HUAK TESTING

ISED Test Report

Report Reference No.....:	**HK26101201201-1E**
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Supervised by (position+printed name+signature)..:	Technical Manager Sliver Wan
Approved by (position+printed name+signature)..:	Authorized Signatory Jason Zhou
Date of issue.....:	October 28, 2026
Testing Laboratory Name.....:	**Shenzhen HUAK Testing Technology Co., Ltd.**
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Applicant's Name.....:	**NiceRF Wireless Technology LTD**
Address.....:	309-314, Bldg A,Hongdu business building, Xin'an street, Zone 43, Baoan Dist, shenzhen, 518101, China
Test Specification.....:	
Standard.....:	**RSS-119 Issue12 Amendment 2 (July2025)** **RSS-Gen Issue 6, July 2026**
TRF Originator.....:	Shenzhen HUAK Testing Technology Co., Ltd.

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Product Name.....:	**Wireless walkie-talkie module**
Trade Mark.....:	G-NiceRF
Model Name.....:	DMR818S-U
Series Model(s).....:	N/A
Modulation Type.....:	Analog: FM Digital: 4FSK
Hardware Version.....:	V1.0
Firmware Version.....:	V1.7
Operation Frequency.....:	406.1-430MHz, 450-470MHz
Ratings.....:	DC4.2V
Result.....:	**PASS**

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Test Report

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Product Name	:	Wireless walkie-talkie module
Model Name	:	DMR818S-U
Series Model(s)	:	N/A
Applicant	:	**NiceRF Wireless Technology LTD**
Address	:	309-314, Bldg A,Hongdu business building, Xin'an street, Zone 43, Baoan Dist, shenzhen, 518101, China
Manufacturer	:	**NiceRF Wireless Technology LTD**
Address	:	309-314, Bldg A,Hongdu business building, Xin'an street, Zone 43, Baoan Dist, shenzhen, 518101, China

Test Result	PASS

The test report merely corresponds to the test sample.
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** Issued History **

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	October 28, 2026	Jason Zhou

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1. Summary

1.1. Test Standards

The tests were performed according to following standards:

RSS-119 Issue12: Land Mobile and Fixed Equipment Operating in the Frequency Range 27.41-960 MHz

RSS-Gen Issue 6: General Requirements for Compliance of Radio Apparatus

ANSI C63.26-2015: IEEE/ANSI Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

1.2. Test Procedures and Results

Test Item	Test Requirement	Result
Radiated Emissions	RSS-Gen 7.4.3	PASS
Maximum Transmitter Power	RSS-119 5.4	PASS
Occupied Bandwidth	RSS-119 5.5	PASS
Emission Mask	RSS-119 5.5	PASS
Frequency Stability	RSS-119 5.3 RSS-Gen	PASS
Transmitter Frequency Behavior	RSS-119 5.9	PASS
Transmitter Radiated Spurious Emssion	RSS-119 5.8	PASS

Note:

1. PASS: Test item meets the requirement.

2. Fail: Test item does not meet the requirement.

3. N/A: Test case does not apply to the test object.

4. The test result judgment is decided by the limit of test standard.

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1.3. Information of the Test Laboratory

Shenzhen HUAK Testing Technology Co., Ltd.
Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

IC Registration No.: 21210

1.4. Statement of the measurement uncertainty

The reported uncertainty of measurement y ± U, where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2, providing a level of confidence of approximately 95%.

No.	Item	MU
1	All Emissions, Radiated(<1G)	±3.60dB
2	All Emissions, Radiated(1-18G)	±3.86dB
3	All Emissions, Radiated(18-40G)	±4.76dB
4	Transmitter Power Conducted	±0.37dB
5	Conducted Spurious Emission	±2.20dB
6	Occupied Bandwidth	±3.68%
7	Temperature	±0.1°C
8	Humidity	±1.0%

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2. General Information

2.1. Environmental Conditions

During the measurement the environmental conditions were within the listed ranges:

Normal Temperature:	25°C
Relative Humidity:	55 %
Air Pressure:	101 kPa

2.2. General Descriptionof EUT

EUT Name:	Wireless walkie-talkie module
Model No:	DMR818S-U
Series Model(s):	N/A
Model Difference	N/A
Power Supply	DC4.2V
Frequency Range	406.1-430MHz, 450-470MHz
Rate Power	≤1W
ModulationType	Analog: FM Digital: 4FSK
ChannelSeparation	Analog: 6.25KHz/ 12.5KHz Digital: 12.5KHz
Rated Power Class	High Power: 1W Low Power: 0.5W
Antenna Type	External Antenna
Antenna Gain	1dBi
Hardware Version:	V1.0
Firmware Version:	V1.7
Note: 1.For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual. 2.Antenna gain Refer to the antenna specifications. 3.The cable loss data is obtained from the supplier. 4.The test results in the report only apply to the tested sample.	

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2.3. Description of Test Modes and Test Frequency

The EUT has been tested under typical operating condition. As, test modes selected as below by the technical parameters of the EUT:

Operation ModeNo.	Modulation	Channel Separation
Analog	FM	6.25KHz/ 12.5KHz
Digital	4FSK	12.5KHz

Test Frequency List:
406.1-430MHz:

ModulationType	Test Channel	Channel Separation	Test Frequency (MHz)
FM	CH1	6.25KHz/ 12.5KHz	406.1125
	CH2		418.0625
	CH3		429.9875
4FSK	CH7	12.5KHz	406.10625
	CH8		418.05625
	CH9		429.99375

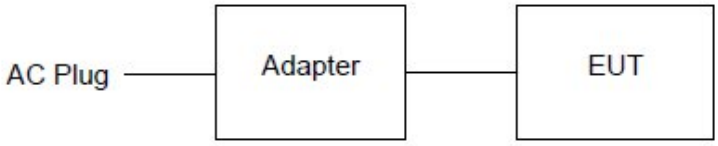
450-470MHz:

ModulationType	Test Channel	Channel Separation	Test Frequency (MHz)
FM	CH4	6.25KHz/ 12.5KHz	450.0125
	CH5		460.0000
	CH6		469.9875
4FSK	CH10	12.5KHz	450.00625
	CH11		460.00000
	CH12		469.99375

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2.4. Description of Test Setup

Operation of EUT during Radiation testing:



Operation of EUT during RF Conducted testing:



The sample was placed (0.8m below 1GHz, 1.5m above 1GHz) above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The report only reflects the worst emission test results. The worst case is X position.

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2.5. Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Trade Mark	Model Name	Specification	Remark
1	Wireless walkie-talkie module	G-NiceRF	DMR818S-U	N/A	EUT
2	Adapter	N/A	MDY-10-EH	Input: AC100-240V, 50/60Hz, 0.7A Output: DC5V/3A, 9V/3A, 12V/2.25A, 20V/1.35A	

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test.

2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, SpuriousEmissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, theantenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in theTest Instruments.

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3. Measurement Instruments List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N.	R&S	ENV216	HKE-002	2026/02/11	1 Year
2	L.I.S.N.	R&S	ENV216	HKE-059	2026/02/04	1 Year
3	EMI Test Receiver	R&S	ESR-7	HKE-005	2026/02/06	1 Year
4	Spectrum analyzer	Agilent	N9020A	HKE-025	2026/02/06	1 Year
5	Spectrum analyzer	KEYSIGHT	N9020A	HKE-117	2026/02/06	1 Year
6	Spectrum analyzer	R&S	FSV3044	HKE-126	2026/02/06	1 Year
7	Preamplifier	Schwarzbeck	EMC051845SE	HKE-006	2026/02/04	1 Year
8	Preamplifier	Agilent	83051A	HKE-016	2026/02/04	1 Year
9	Preamplifier	QJD	QJD18-40-50	HKE-030	2026/02/05	1 Year
10	6dB Attenuator	Pasternack	6dB	HKE-152	2026/02/06	1 Year
11	EMI Test Receiver	R&S	ESR-7	HKE-010	2026/02/06	1 Year
12	Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	2026/02/06	2 Year
13	Loop Antenna	COM-POWER	AL-130R	HKE-014	2026/02/06	2 Year
14	Horn Antenna	Schwarzbeck	9120D	HKE-013	2026/02/06	2 Year
15	Broadband Horn Antenna	A-INFO	LB-180400-KF	HKE-031	2026/02/06	2 Year
16	EMI Test Software	Tonscend	JS32-CE 2.5.0.6	HKE-081	/	/
17	EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	/	/
18	RF Automatic control unit	Tonscend	JS0806-2	HKE-060	2026/02/06	1 Year
19	High pass filter unit	Tonscend	JS0806-F	HKE-055	2026/02/06	1 Year
20	Wireless Communication Test Set	R&S	CMW500	HKE-027	2026/02/06	1 Year
21	High-low temperature chamber	Guangke	HT-80L	HKE-118	2026/02/06	1 Year
22	Temperature and humidity meter	Boyang	HTC-1	HKE-075	2026/03/06	1 Year
23	RF Test Software	Tonscend	JS1120-3 Version 3.6.21	HKE-083	/	/
24	10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	2026/02/04	1 Year
25	RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	/	/
26	Audio signal generator	HEWLETT PACKARD	8921A	HKE-108	2026/02/06	1 Year

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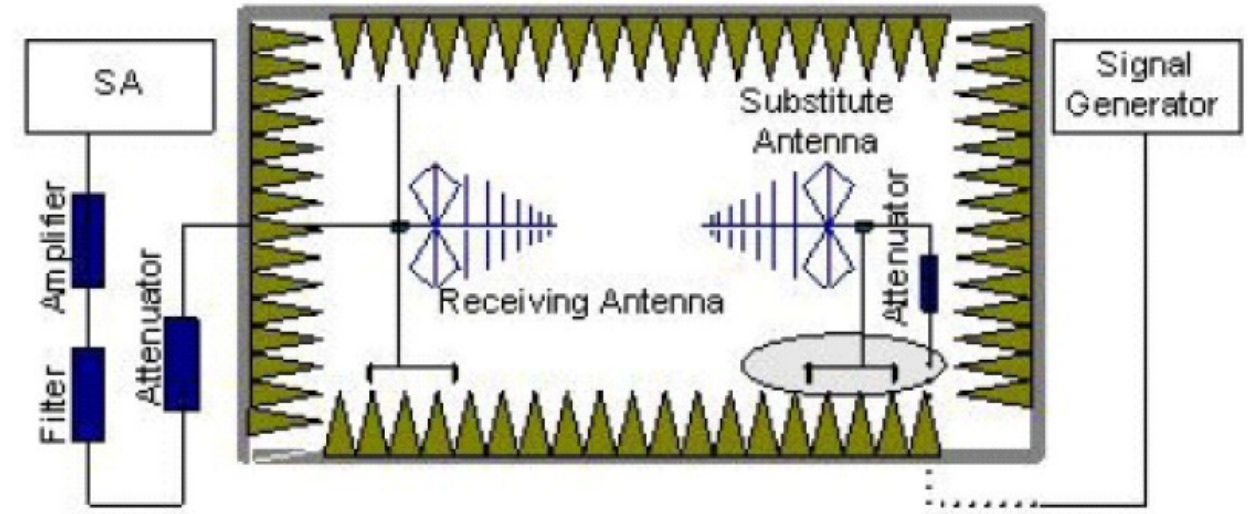
4. Test Conditions and Results

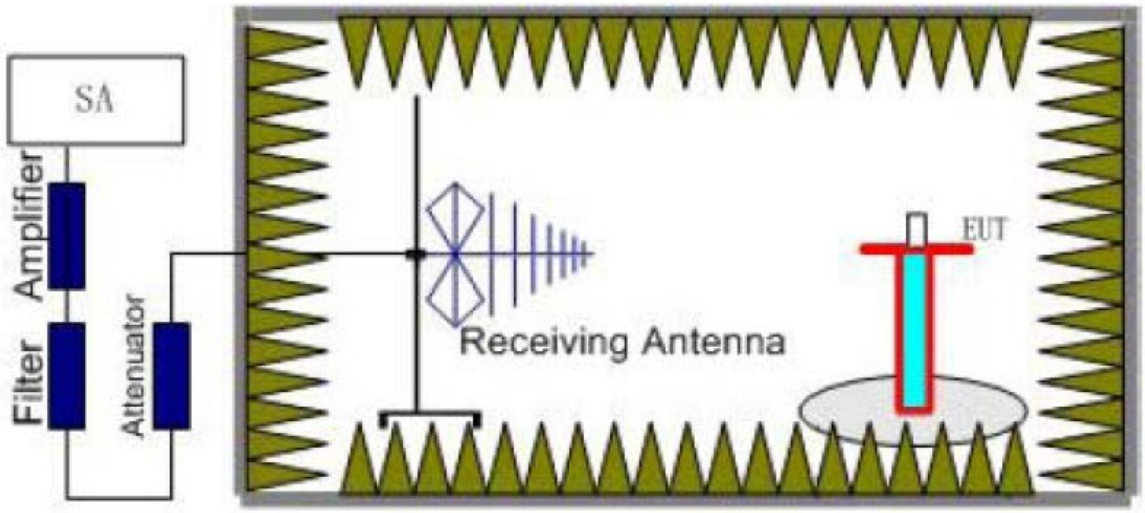
4.1. Transmitter Spurious Emissions (Radiated)

Limit

According to the RSS-119, On any frequency outside of the ranges specified in the ACP tables 13 to 16, the power of any emission shall be attenuated below the mean output power P (dBW) by at least 43 + 10 log10(p), measured in a 100 kHz bandwidth for frequencies less than or equal to 1 GHz, and in a 1 MHz bandwidth for frequencies greater than 1 GHz.
In addition, for operations in the bands 768-776 MHz and 798-806 MHz, all emissions (including harmonics in the band 1559-1610 MHz), shall not exceed:
-70 dBW/MHz equivalent isotropically radiated power (e.i.r.p.) for wideband emissions, and
-80 dBW/kHz e.i.r.p. for discrete emissions of less than 700 Hz bandwidth.

Test Configuration





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Test Procedure

a. EUT was placed on a 0.8 meter high non-conductive stand at a 3 meter test distance from the receive antenna. A receiving antenna was placed on the antenna mast 3 meters from the EUT for emission measurements. The height of receiving antenna is 1.0m. Detected emissions were maximized at each frequency by rotating the EUT through 360° and adjusting the receiving antenna polarization. The radiated emission measurements of all test transmit frequencies were measured with peak detector.
b. A log-periodic antenna or double-ridged waveguide horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
c. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum 100 kHz below 1GHz and 1MHz above 1GHz,Sweep from 30MHz to the 10th harmonic of the fundamental frequency;and recorded the level of the concernedspurious emission point as (P_r).
d. The EUT then replaced by a substitution antenna.In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest isconnected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (P_{Mea}) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (P_r). The power of signal source (P_{Mea}) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
The measurement results are obtained as described below:

$$Power_{(EIRP)} = P_{Mea} - G_a + P_{cl}$$

Where;
$P_{Mea}$is the recorded signal generator level
P_{cl}isthe cable loss connect between instruments
G_aSubstitution Antenna Gain
e. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power.
f. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP -2.15dBi.
g. Test site anechoic chamber refer to ANSI C63.4.

Test Results

☒ PASS☐Fail ☐Not Applicable
Data Reference Appendix Test Data

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4.2. Maximum Transmitter Power

Test Applicable

According to RSS 119 5.4, The output power shall be within ±1 dB of the manufacturer's rated power listed in the equipment specifications.

Limits

Table 2 – Transmitter Output Power

Frequency Bands (MHz)	Transmitter Output Power (W)	
	Base/Fixed Equipment	Mobile Equipment
27.41-28 and 29.7-50	300	30
72-76	No limit	1
138-174	110	60
217-218 and 219-220	110	30*
220-222	See SRSP-512 for ERP limit	50
406.1-430 and 450-470	110	60
768-776 and 798-806	See SRSP-511 for ERP limit	30 3 W ERP for portable equipment
806-821/851-866 and 821-824/866-869	110	30
896-901/935-940	110	60
929-930/931-932	110	30
928-929/952-953 and 932-932.5/941-941.5	110	30
932.5-935/941.5-944	110	30

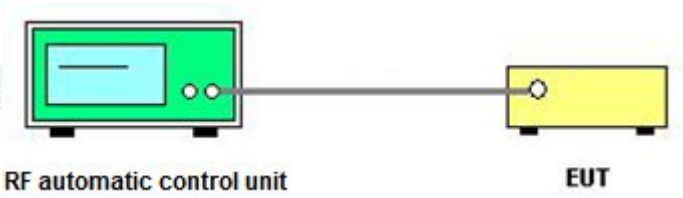
*Equipment is generally authorized for effective radiated power (ERP) of less than 5 W.

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Test Procedure

Measurements shall be made to establish the radio frequency power delivered by the transmitter the standard output termination. The power output shall be monitored and recorded and no adjustment shall be made to the transmitter after the test has begun, except as noted bellow:
If the power output is adjustable, measurements shall be made for the highest and lowest power levels.
The EUT connect to the RF automatic control unit.

Test Configuration



Test Results

☒ PASS☐Fail ☐Not Applicable
Data Reference Appendix Test Data

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4.3. Occupied Bandwidth and Emission Mask

Test Applicable

Frequency Band (MHz)	Related SRSP for Channelling Plan and ERP	Bandwidth(kHz)	Authorized Bandwidth(kHz)	SpectrumMasks for Equipment WithAudio Filter	Spectrum Masks for Equipment Without Audio Filter
406.1-430 and 450-470	SRSP-501	25	20 22	B Y	C(G) (Note 1) Y
		12.5	11.25	D	D
		6.25	6	E	E

Notes:

1. Paging transmitters in the bands 406.1-430 MHz and 450-470 MHz are to use mask D and E.

Table 5 – Emission Mask B

Displacement Frequency, f_d (kHz)	Minimum Attenuation (dB)	Resolution Bandwidth (Hz)
$10 < f_d \leq 20$	25	300
$20 < f_d \leq 50$	35	300
$f_d > 50$	$43 + 10 \log_{10}(p)$	Specified in Section 4.2.1

Table 7 – Emission Mask D

Displacement Frequency, f_d (kHz)	Minimum Attenuation (dB)	Resolution Bandwidth (Hz)
$5.625 < f_d \leq 12.5$	$7.27(f_d - 2.88)$	Specified in Section 4.2.2
$f_d > 12.5$	Whichever is the lesser: 70 or $50 + 10 \log_{10}(p)$	Specified in Section 4.2.2

Table 8 – Emission Mask E

Displacement Frequency, f_d (kHz)	Minimum Attenuation (dB)	Resolution Bandwidth (Hz)
$3 < f_d \leq 4.6$	Whichever is the lesser: $30 + 16.67(f_d - 3)$ or $55 + 10 \log_{10}(p)$	Specified in Section 4.2.2
$f_d > 4.6$	Whichever is the lesser: 57 or $55 + 10 \log_{10}(p)$	Specified in Section 4.2.2

Table 10 – Emission Mask G

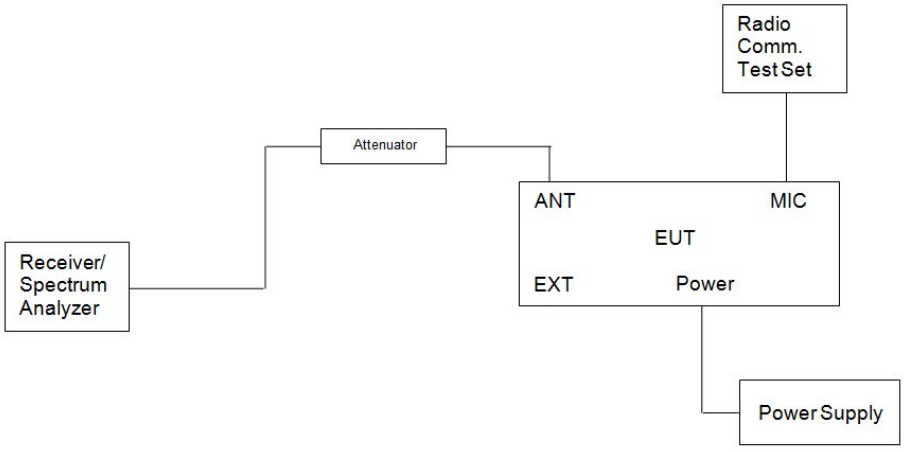
Displacement Frequency, f_d (kHz)	Minimum Attenuation (dB)	Resolution Bandwidth (Hz)
$10 < f_d \leq 50$	Whichever is the lesser: 70 or $116 \log_{10}(f_d/6.11)$ or $50 + 10 \log_{10}(p)$	300
$f_d > 50$	$43 + 10 \log_{10}(p)$	Specified in Section 4.2.1

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Table 17 – Emission Mask Y

Displacement Frequency, f_d (kHz)	Minimum Attenuation (dB)	Resolution Bandwidth (Hz)
$12.375 < f_d \leq 13.975$	Whichever is the lesser: $30 + 16.67(f_d - 12.375)$ or $55 + 10\log_{10}(p)$	Specified in Section 4.2.2
$f_d > 13.975$	Whichever is the lesser: 57 or $55 + 10\log_{10}(p)$	Specified in Section 4.2.2

Test Configuration



Test Procedure

1 The EUT was modulated by 2.5 KHz Sine wave audio signal;the level of the audio signal employed is 16 dB greater than that necessary to produce 50% of rated system deviation. Rated system deviation is 2.5 kHz (12.5 kHz channel spacing) and 5 kHz (25 kHz channel spacing).
2 Set SPA Center Frequency = fundamental frequency, RBW=300Hz, VBW= 3 KHz, span =50 KHz.
3 Set SPA Max hold. Mark peak, Set 99% Occupied Bandwidth and 26dB Occupied Bandwidth.

Test Results

☒ PASS☐Fail ☐Not Applicable
Data Reference Appendix Test Data

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4.4. Frequency Stability

Limits

According to RSS 119 5.3, The carrier frequency shall not depart from the reference frequency in excess of the values given in Table 1. For transmitters that have an output power of less than 120 mW, the frequency stability shall comply with the limits listed in Table 1.

For fixed and base station equipment, in lieu of meeting the frequency stability limit specified in Table 1, the test report can show that the frequency stability is met by demonstrating that the unwanted emission limits, related to the equipment's nominal carrier frequency measured under normal operation, are met when the equipment is tested at the temperature and supply voltage variations specified for the frequency stability measurement in RSS-Gen.

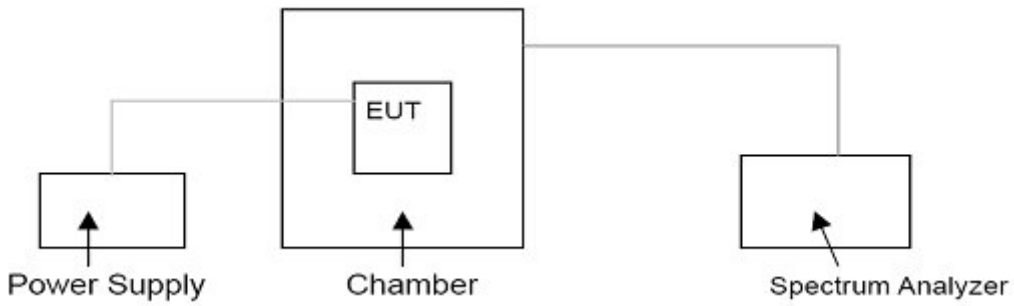
Table 1

Frequency Band (MHz)	Channel Bandwidth (KHz)	Frequency Tolerance (ppm)		
		Base/Fixed	Mobile Stations	
			Output Power >2W	Output Power ≤2W
406.1-430 and 450-470[note2]	25[note1]	0.5	1	1
	25	2.5	5	5
	12.5	1.5	2.5	2.5
	6.25	0.5	1	1

Note:

1. This provision is for digital equipment with a channel bandwidth of 25 kHz and an occupied bandwidth greater than 20 kHz. The mobile station's frequency stability values given in Table 1 are for mobile, portable and control transmitters using automatic frequency control (AFC) to lock onto the base station signal. When the mobile, portable and control transmitters are operating without using AFC to lock onto the base station signal, the frequency stability limit shall be better than 1 kHz and the equipment's unwanted emissions measured with maximum frequency shift shall still comply with emission mask Y (Section 5.8.10) at nominal carrier frequency.
2. Control stations may operate with the frequency stability specified for associated mobile frequencies.

Test Configuration



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Test Procedure

The EUT was set in the climate chamber and connected to an external DC power supply. The RF output was directly connected to Spectrum Analyzer. The coupling loss of the additional cables was recorded and taken in account for all the measurements. After temperature stabilization (approx. 20 min for each stage), the frequency for the lower, the middle and the highest frequency range was recorded. For Frequency stability Vs. Voltage the EUT was connected to a DC power supply and the voltage was adjusted in the required ranges. The result was recorded.

Test Results

☒ PASS☐Fail ☐Not Applicable
Data Reference Appendix Test Data

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4.5. Transmitter Frequency Behavior

Test Applicable

According to RSS 119 5.9, When a transmitter is turned on, the radio frequency may take some time to stabilize. During this initial period, the frequency error or frequency difference (i.e., between the instantaneous and the steady state frequencies) shall not exceed the limits specified in Table 18.

Table 18 – Transient Frequency Behaviour

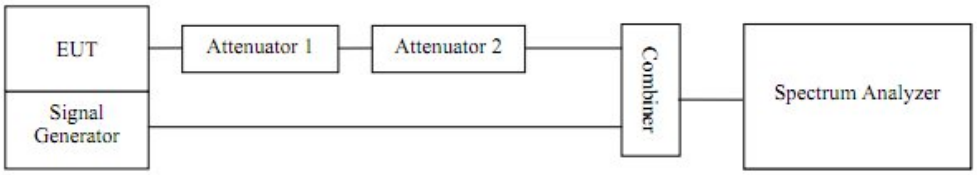
Channel Bandwidth (kHz)	Time Intervals (Notes 1, 2)	Maximum Frequency Difference (kHz)	Transient Duration Limit (ms)	
			138-174 MHz	406.1-512 MHz
25	t_1	±25	5	10
	t_2	±12.5	20	25
	t_3	±25	5	10
12.5	t_1	±12.5	5	10
	t_2	±6.25	20	25
	t_3	±12.5	5	10
6.25	t_1	±6.25	5	10
	t_2	±3.125	20	25
	t_3	±6.25	5	10

Notes:

1. t_{on}: the instant when a 1 kHz test signal is completely suppressed, including any capture time due to phasing.
   t_1: the time period immediately following t_{on}.
   t_2: the time period immediately following t_1.
   t_3: the time period from the instant when the transmitter is turned off until t_{off}.
   t_{off}: the instant when the 1 kHz test signal starts to rise.

2. If the transmitter carrier output power rating is 6 W or less, the frequency difference during the time periods t_1 and t_3 may exceed the maximum frequency difference for these time periods. The corresponding plot of frequency versus time during t_1 and t_3 shall be recorded in the test report.

Test Configuration



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Test Procedure

1. Connect the EUT and test equipment as shown in the test configuration.
2. Set Spectrum Analyzer to measure FM deviation, and tune the RF frequency to transmitter assigned frequency.
3. Set the signal generator to the assigned transmitter frequency and modulate it with a 1KHz tone at ±12.5Khz deviation and set its output level to -100dBm.
4. Turn on the transmitter.
5. Supply sufficient attenuation via RF attenuator to provide an input level to the Spectrum Analyzer that is 40dB below the maximum allowed input power when the transmitter is operating at its rated power level. Note this power level on Spectrum Analyzer as $P_{0.}$
6. Turn offthe transmitter.
7. Adjust the RF level of the signal generator to provide RF power equal to $P_{0.}$ This signal generator RF level shall be maintained throughout the rest of the measurement.
8. Remove the attenuation 1, so the input power to the Spectrum Analyzer is increased by 30dB when the transmitter is turned on.
9. Adjust the vertical amplitude control of the spectrum analyzer to display the 1000Hz at ±4 divisions vertically centered on display. Set trigger mode of the Spectrum Analyzer to “Video”, and tune the “trigger level” on suitable level. Then set the “trigger offset” to -10ms for turn on and -15ms for turn off.
10. Turn on the transmitter and the transient wave will be captured on the screen of Spectrum Analyzer. Observe the stored display. The instant when the 1 KHz test signal is completely suppressed is considered to be $t_{on.}$ The trace should be maintained within the allowed divisions duringthe period $t_1$and $t_{2.}$
11. Then turn off the transmitter, and another transient wave will be captured on the screen of Spectrum Analyzer. The trace should be maintained within the allowed divisions during the period $t_{3.}$

Test Results

☒ PASS☐Fail ☐Not Applicable
Data Reference Appendix Test Data

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4.6. Transmitter Spurious Emissions(Conducted)

Limit

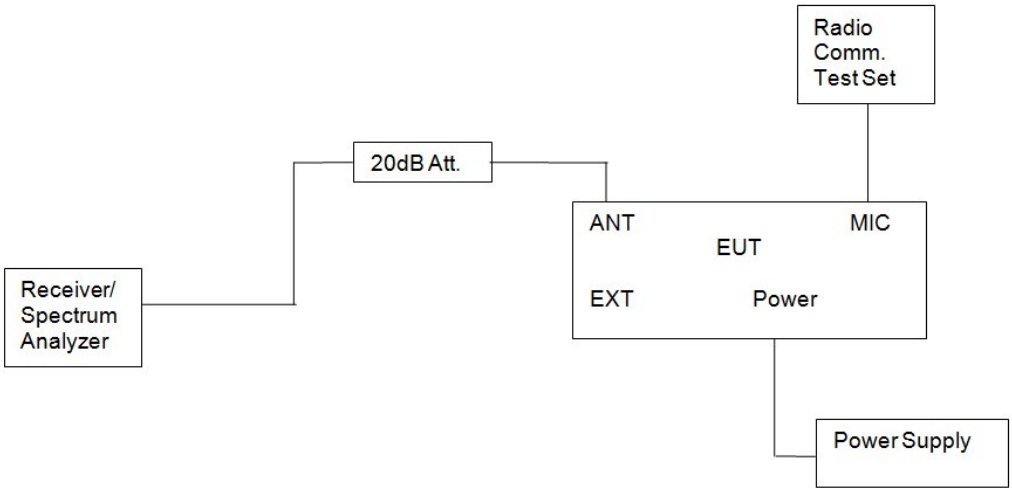
12.5K: Per RSS-119 5.8.3, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 50 + 10 log10(p)

When P =1W, Limit = -20 dBm

6.25K: Per RSS-119 5.8.4, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 57 or 55 + 10 log10(p) (Whichever is the lesser)

When P =1W, Limit = -25 dBm

Test Configuration



Test Procedure

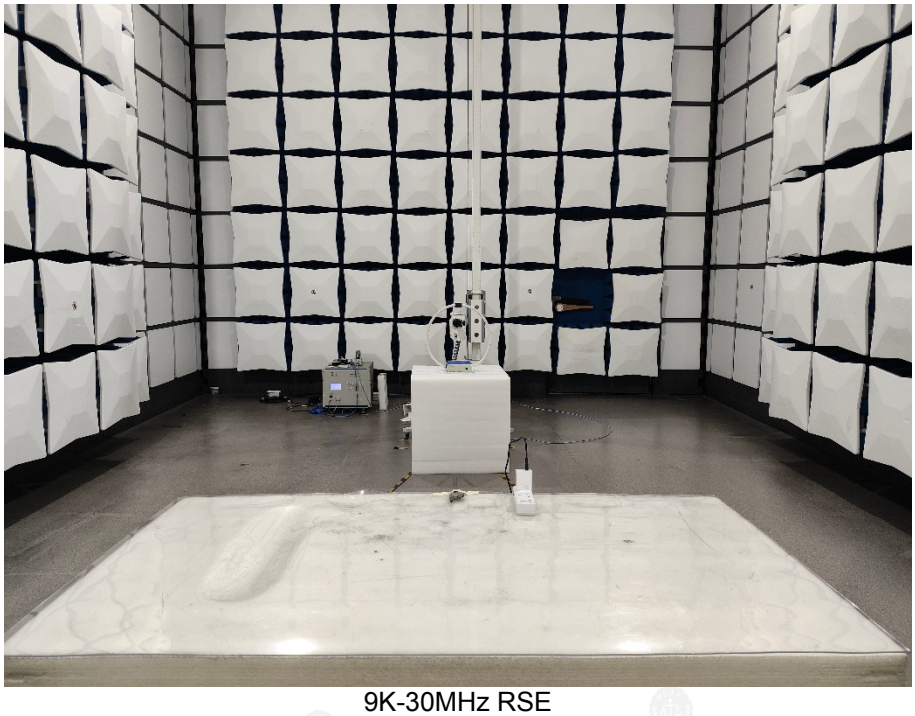
The RF output of the EUT was connected to a spectrum analyzer through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set to 10 kHz/1MHz. Sufficient scans were taken to show any out of band emission up to 10th. Harmonic for the lower and the highest frequency range.Set RBW 10 kHz, VBW 30 kHz in the frequency band 30MHz to 1GHz,while set RBW=1MHz.VBW=3MHz from the 1GHz to 10thHarmonic.

Test Results

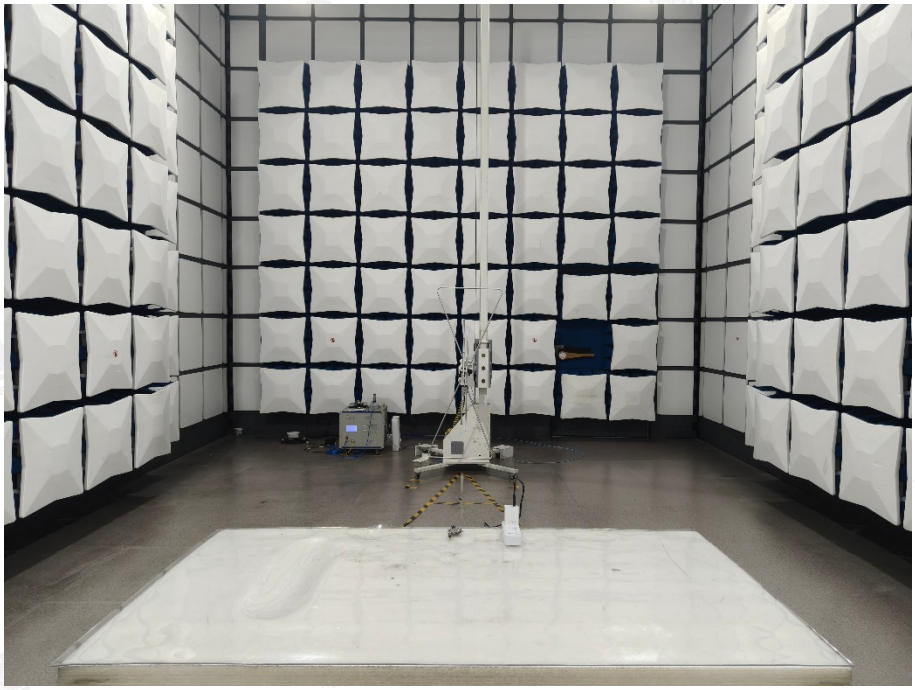
☒ PASS☐Fail ☐Not Applicable
Data Reference Appendix Test Data

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5. Test Setup Photos of the EUT



9K-30MHz RSE

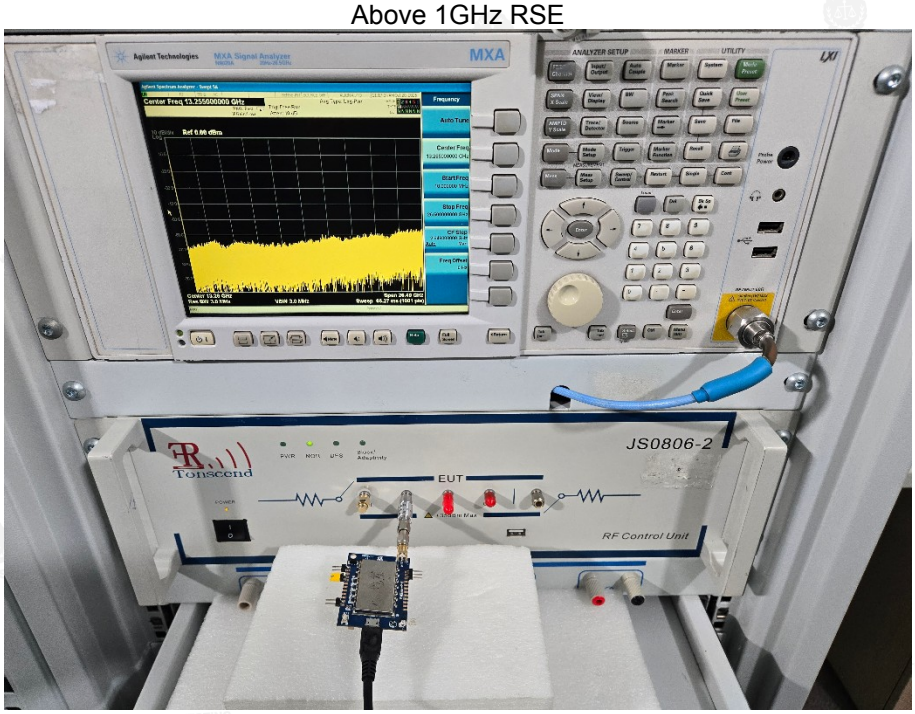


Radiated Emission

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Above 1GHz RSE



RF Conducted Emission

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6. Photosof the EUT

Reference to the report: ANNEX A of external photos and ANNEX B ofinternal photos

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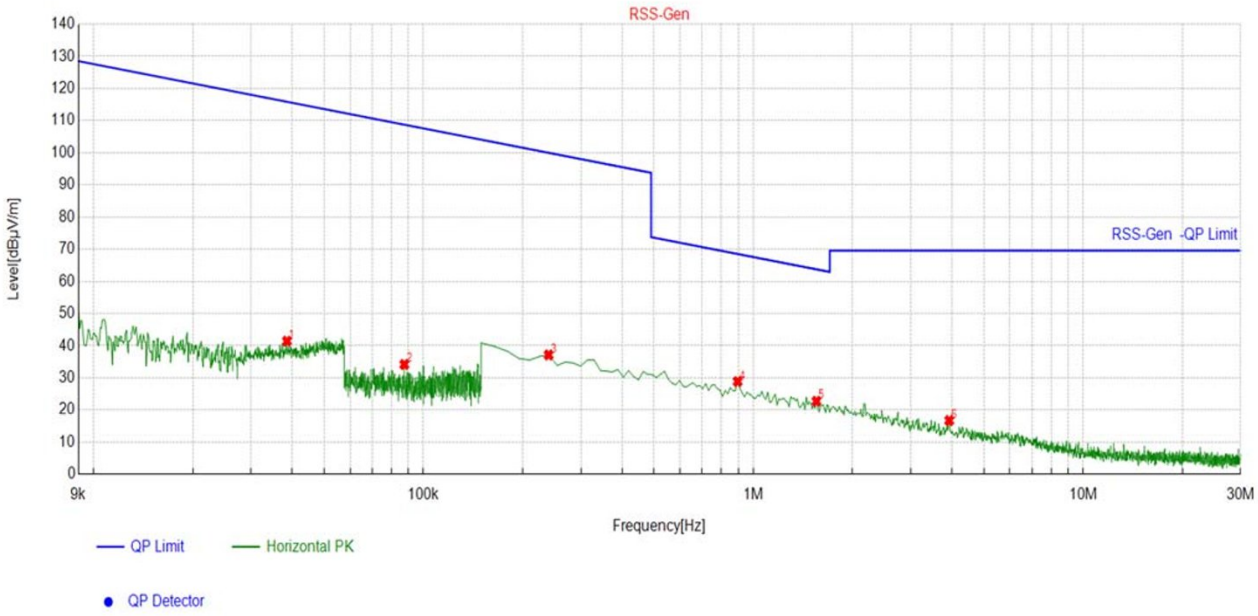
7. Appendix Test Data

7.1. Transmitter Radiated Spurious Emission

All the test modes completed for test. Only the worst result was reported as below:
Worst mode: 450-470MHz High Channel

Frequency Range (9 kHz-30MHz)

Test Graph



NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]
1	0.039	-16.61	58.04	41.43	115.86	74.43
2	0.088	-17.03	51.20	34.17	108.74	74.57
3	0.240	-18.10	55.24	37.14	99.99	62.85
4	0.897	-17.11	45.98	28.87	68.53	39.66
5	1.554	-16.56	39.30	22.74	63.76	41.02
6	3.928	-16.88	33.62	16.74	69.56	52.82

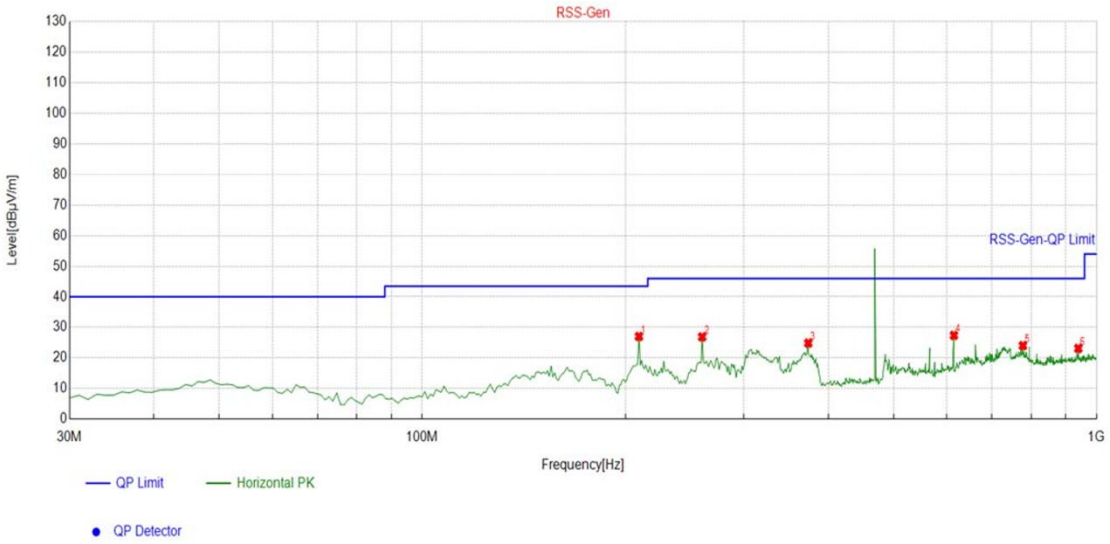
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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Frequency Range (30MHz-1GHz)

Analog (12.5KHz):

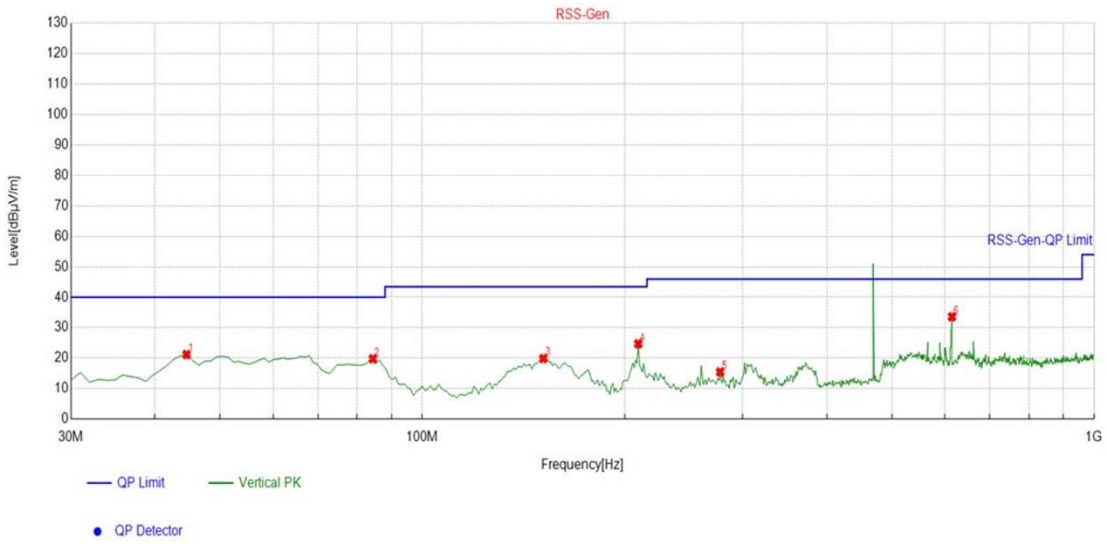
Test Graph



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	209.630	-14.66	41.71	27.05	43.50	16.45	100	295	Horizontal
2	260.120	-13.03	39.93	26.90	46.00	19.10	100	89	Horizontal
3	373.724	-10.47	35.35	24.88	46.00	21.12	100	86	Horizontal
4	614.525	-5.66	33.07	27.41	46.00	18.59	100	86	Horizontal
5	777.648	-3.38	27.42	24.04	46.00	21.96	100	312	Horizontal
6	939.800	-1.52	24.66	23.14	46.00	22.86	100	77	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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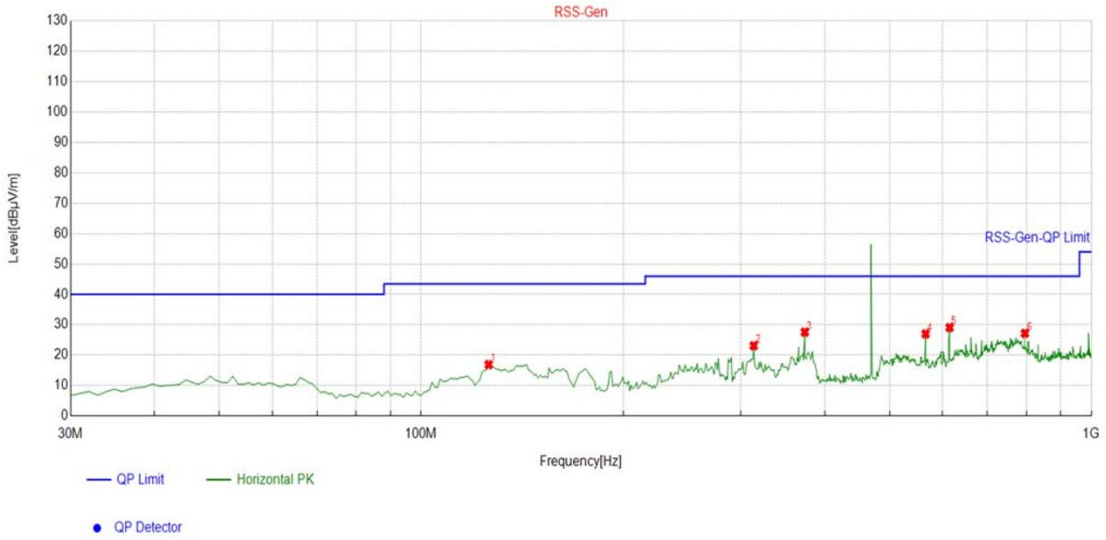
Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	44.565	-11.61	32.83	21.22	40.00	18.78	100	340	Vertical
2	84.374	-17.68	37.49	19.81	40.00	20.19	100	241	Vertical
3	151.371	-18.12	38.03	19.91	43.50	23.59	100	8	Vertical
4	209.630	-14.66	39.42	24.76	43.50	18.74	100	307	Vertical
5	277.598	-12.74	28.23	15.49	46.00	30.51	100	332	Vertical
6	614.525	-5.66	39.29	33.63	46.00	12.37	100	34	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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Analog (6.25KHz):

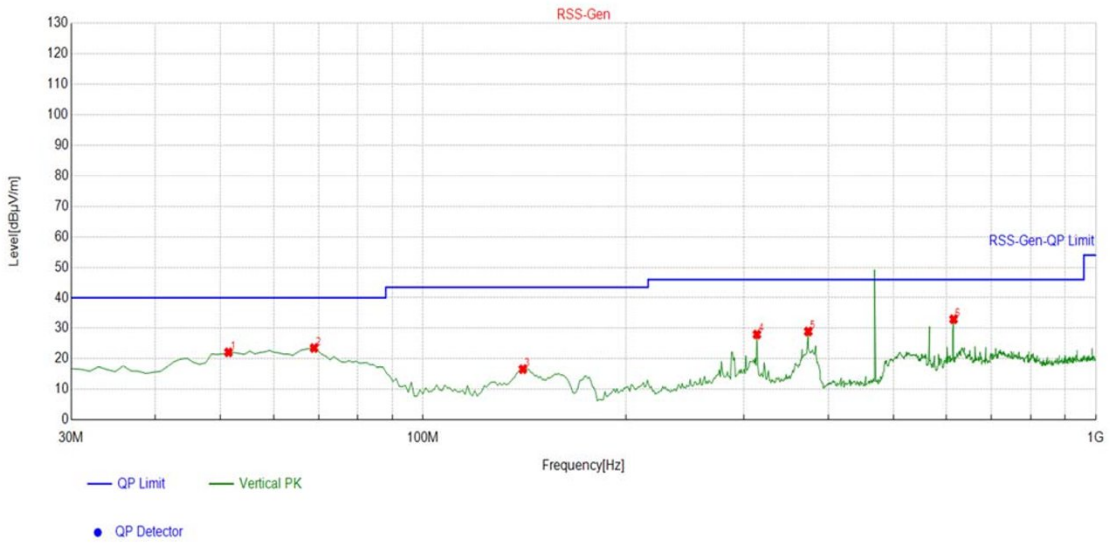
Test Graph



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	126.126	-17.61	34.54	16.93	43.50	26.57	100	1	Horizontal
2	313.524	-11.82	34.96	23.14	46.00	22.86	100	272	Horizontal
3	373.724	-10.47	38.07	27.60	46.00	18.40	100	187	Horizontal
4	565.976	-6.78	33.81	27.03	46.00	18.97	100	221	Horizontal
5	614.525	-5.66	34.78	29.12	46.00	16.88	100	247	Horizontal
6	796.096	-3.17	30.37	27.20	46.00	18.80	100	27	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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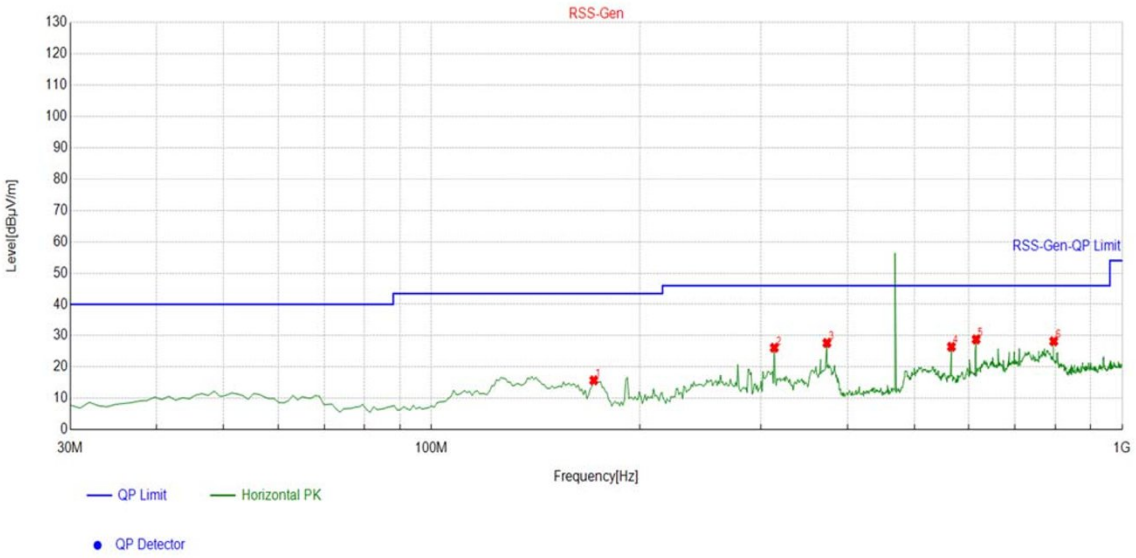
Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	51.361	-11.57	33.73	22.16	40.00	17.84	100	20	Vertical
2	68.839	-15.78	39.36	23.58	40.00	16.42	100	273	Vertical
3	140.691	-18.32	34.95	16.63	43.50	26.87	100	216	Vertical
4	313.524	-11.82	39.84	28.02	46.00	17.98	100	360	Vertical
5	373.724	-10.47	39.45	28.98	46.00	17.02	100	273	Vertical
6	614.525	-5.66	38.66	33.00	46.00	13.00	100	80	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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Digital (12.5KHz):

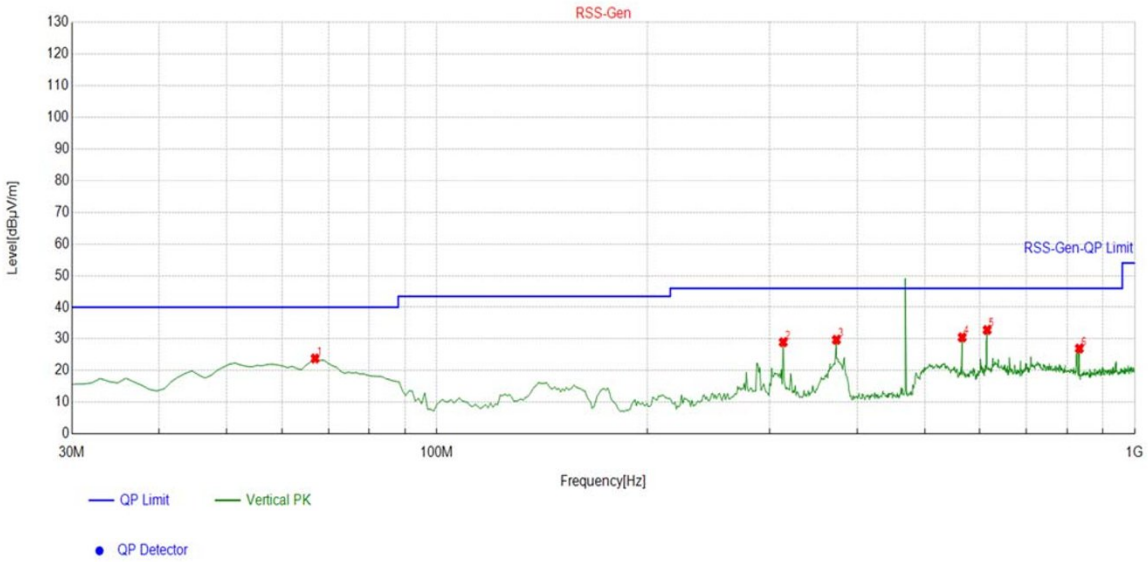
Test Graph



Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	171.762	-17.07	32.85	15.78	43.50	27.72	100	70	Horizontal
2	313.524	-11.82	38.00	26.18	46.00	19.82	100	295	Horizontal
3	373.724	-10.47	38.18	27.71	46.00	18.29	100	275	Horizontal
4	565.976	-6.78	33.27	26.49	46.00	19.51	100	252	Horizontal
5	614.525	-5.66	34.49	28.83	46.00	17.17	100	243	Horizontal
6	796.096	-3.17	31.41	28.24	46.00	17.76	100	41	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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Suspected List									
NO.	Freq. [MHz]	Factor [dB]	Reading [dBµV/m]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	66.897	-14.88	38.74	23.86	40.00	16.14	100	324	Vertical
2	313.524	-11.82	40.81	28.99	46.00	17.01	100	304	Vertical
3	373.724	-10.47	40.22	29.75	46.00	16.25	100	304	Vertical
4	565.976	-6.78	37.30	30.52	46.00	15.48	100	93	Vertical
5	614.525	-5.66	38.51	32.85	46.00	13.15	100	70	Vertical
6	832.993	-2.96	29.95	26.99	46.00	19.01	100	96	Vertical

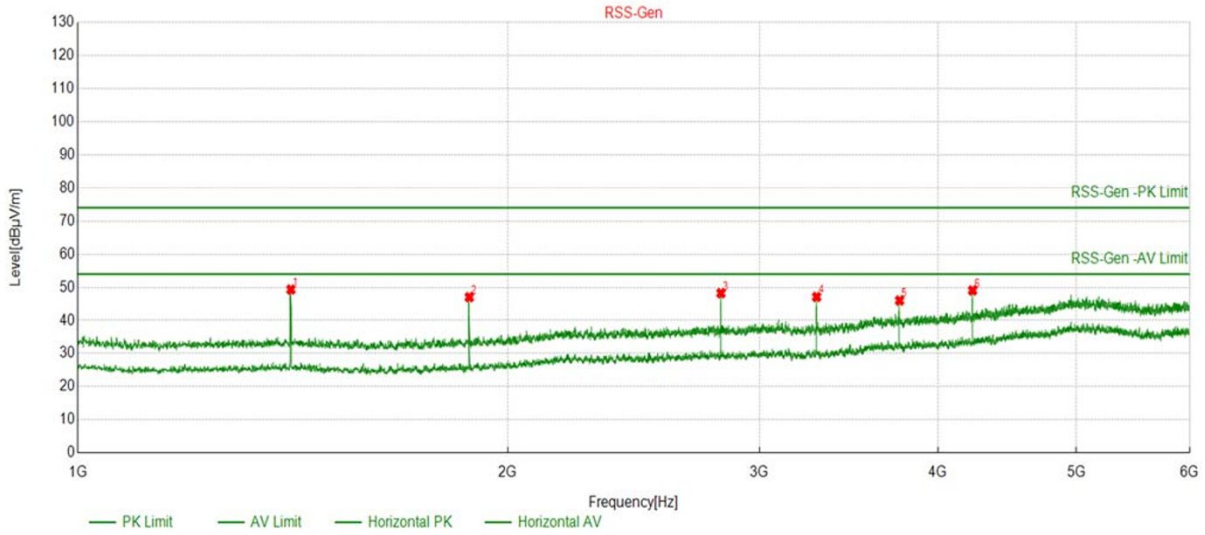
Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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For 1G-6GHz

Digital (12.5KHz):

Test Graph

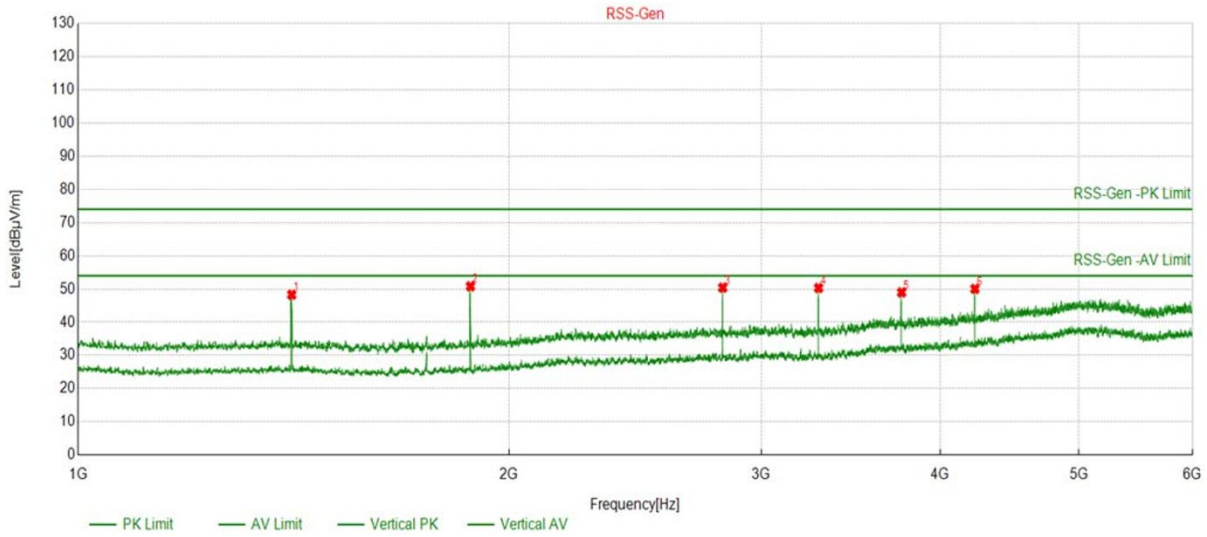


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	PK Level [dBµV/m]	Factor [dB]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1410.041	67.39	49.33	-18.06	74.00	24.67	150	260	Horizontal
2	1879.588	64.65	47.03	-17.62	74.00	26.97	150	94	Horizontal
3	2819.682	61.74	48.22	-13.52	74.00	25.78	150	234	Horizontal
4	3289.729	59.69	47.11	-12.58	74.00	26.89	150	125	Horizontal
5	3760.276	56.33	46.02	-10.31	74.00	27.98	150	311	Horizontal
6	4229.823	57.74	49.07	-8.67	74.00	24.93	150	321	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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Test Graph



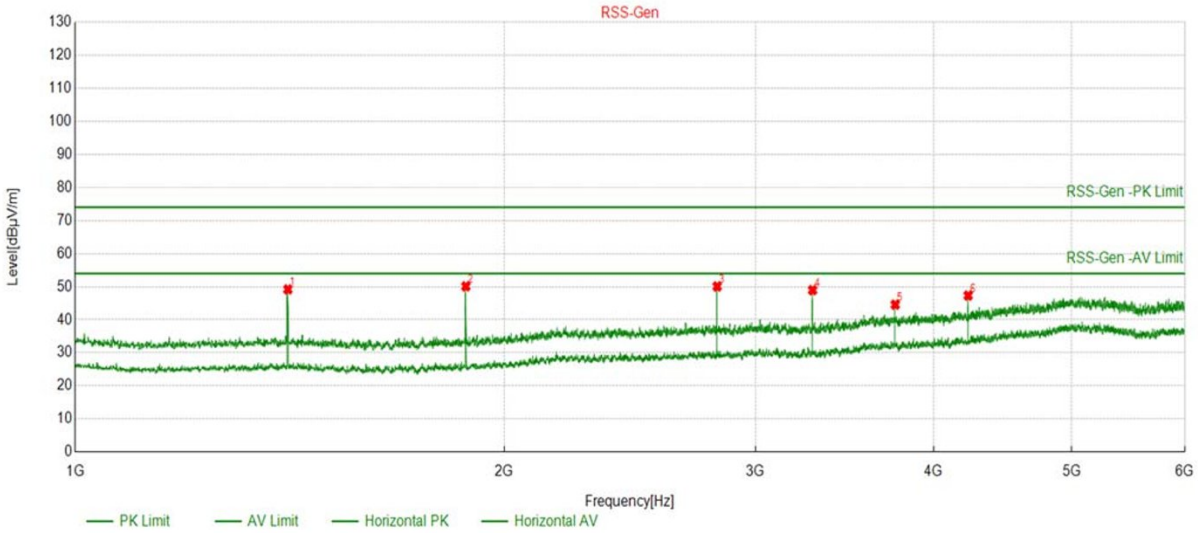
Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	PK Level [dBµV/m]	Factor [dB]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1410.041	66.34	48.28	-18.06	74.00	25.72	150	126	Vertical
2	1879.588	68.45	50.83	-17.62	74.00	23.17	150	126	Vertical
3	2819.682	63.93	50.41	-13.52	74.00	23.59	150	121	Vertical
4	3289.729	62.91	50.33	-12.58	74.00	23.67	150	75	Vertical
5	3759.776	59.30	48.99	-10.31	74.00	25.01	150	96	Vertical
6	4229.823	58.71	50.04	-8.67	74.00	23.96	150	1	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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Analog (12.5KHz):

Test Graph

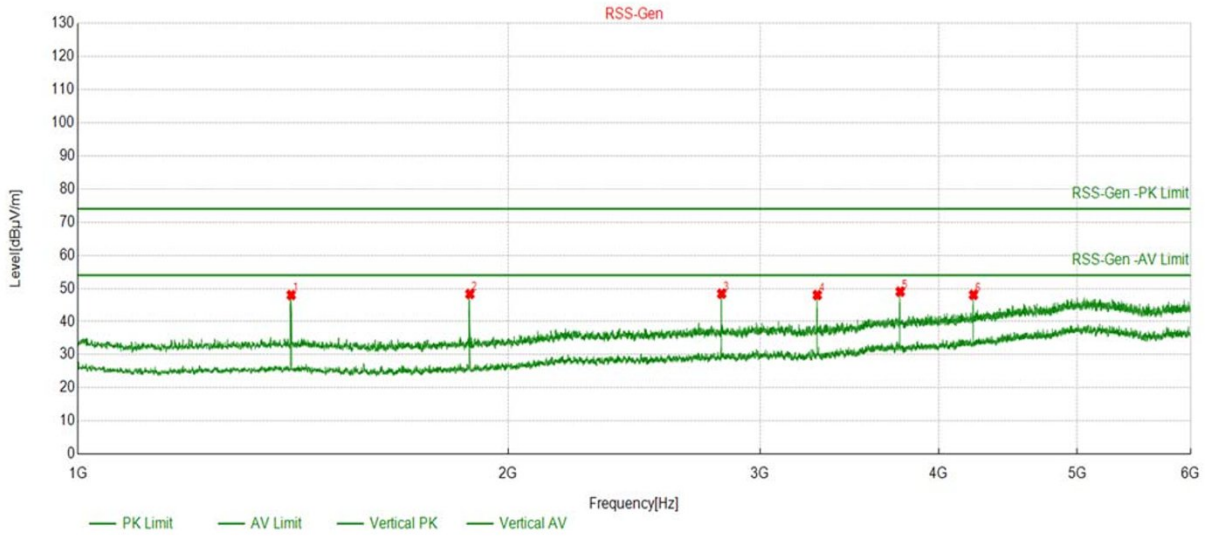


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	PK Level [dBµV/m]	Factor [dB]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1410.041	67.27	49.21	-18.06	74.00	24.79	150	262	Horizontal
2	1879.588	67.73	50.11	-17.62	74.00	23.89	150	94	Horizontal
3	2820.182	63.59	50.07	-13.52	74.00	23.93	150	356	Horizontal
4	3290.229	61.54	48.96	-12.58	74.00	25.04	150	116	Horizontal
5	3759.776	54.89	44.58	-10.31	74.00	29.42	150	37	Horizontal
6	4229.823	56.00	47.33	-8.67	74.00	26.67	150	319	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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Test Graph



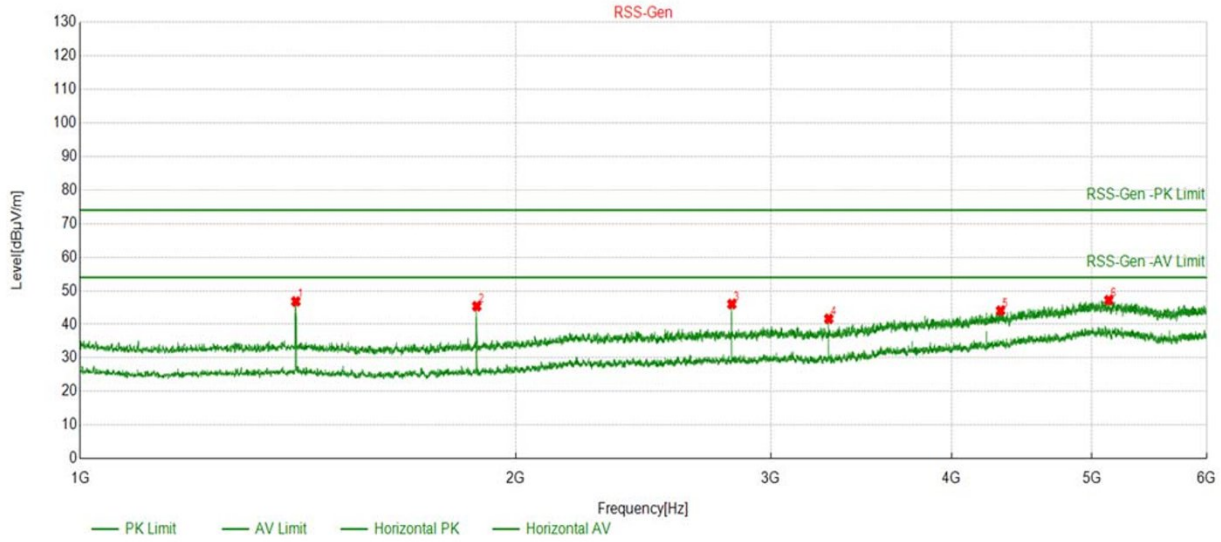
Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	PK Level [dBµV/m]	Factor [dB]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1410.041	66.10	48.04	-18.06	74.00	25.96	150	131	Vertical
2	1880.088	65.94	48.32	-17.62	74.00	25.68	150	126	Vertical
3	2820.182	61.95	48.43	-13.52	74.00	25.57	150	90	Vertical
4	3289.729	60.61	48.03	-12.58	74.00	25.97	150	239	Vertical
5	3759.776	59.34	49.03	-10.31	74.00	24.97	150	95	Vertical
6	4230.323	56.75	48.08	-8.67	74.00	25.92	150	70	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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Analog (6.25KHz):

Test Graph

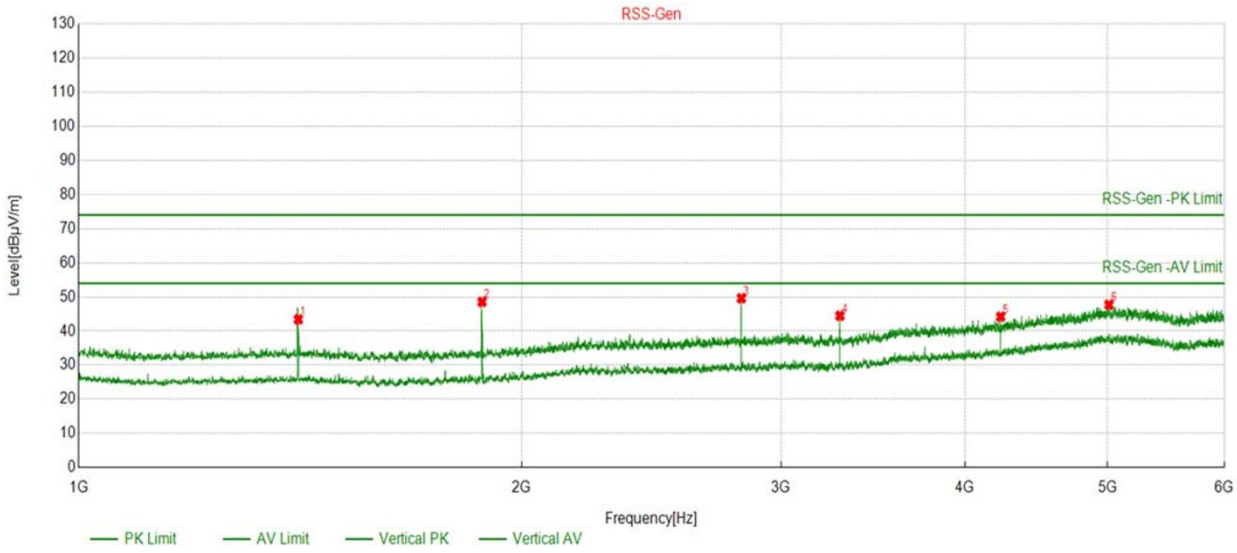


Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	PK Level [dBµV/m]	Factor [dB]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1409.541	64.90	46.84	-18.06	74.00	27.16	150	290	Horizontal
2	1879.588	63.04	45.42	-17.62	74.00	28.58	150	55	Horizontal
3	2820.182	59.57	46.05	-13.52	74.00	27.95	150	331	Horizontal
4	3290.229	54.27	41.69	-12.58	74.00	32.31	150	14	Horizontal
5	4323.832	52.20	44.09	-8.11	74.00	29.91	150	87	Horizontal
6	5135.914	51.47	47.22	-4.25	74.00	26.78	150	222	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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Test Graph



Suspected Data List									
NO.	Freq. [MHz]	Reading [dBµV/m]	PK Level [dBµV/m]	Factor [dB]	PK Limit [dBµV/m]	PK Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1410.041	61.50	43.44	-18.06	74.00	30.56	150	184	Vertical
2	1879.588	66.19	48.57	-17.62	74.00	25.43	150	152	Vertical
3	2819.682	63.13	49.61	-13.52	74.00	24.39	150	58	Vertical
4	3289.729	57.07	44.49	-12.58	74.00	29.51	150	268	Vertical
5	4229.823	52.88	44.21	-8.67	74.00	29.79	150	4	Vertical
6	5010.401	52.13	47.71	-4.42	74.00	26.29	150	110	Vertical

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor; Margin = Limit – Level

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7.2. RF Test Data

Maximum Transmitter Power

406.1-430MHz:

Mode	Channel Bandwidth (KHz)	Test Channel	Test Frequency (MHz)	Power Level	Test Results (dBm)	Test Results (W)	Test Result
Analog	6.25	CH1	406.1125	L	27.015	0.503	Pass
				H	29.838	0.963	
		CH2	418.0625	L	27.645	0.581	
				H	29.900	0.977	
		CH3	429.9875	L	27.894	0.616	
				H	30.590	1.146	
	12.5	CH1	406.1125	L	27.195	0.524	
				H	30.141	1.033	
		CH2	418.0625	L	27.609	0.577	
				H	30.020	1.005	
		CH3	429.9875	L	27.883	0.614	
				H	30.444	1.108	
Digital	12.5	CH7	406.10625	L	27.315	0.539	
				H	29.944	0.987	
		CH8	418.05625	L	27.724	0.592	
				H	30.620	1.153	
		CH9	429.99375	L	27.876	0.613	
				H	30.108	1.025	

450-470MHz

Mode	Channel Bandwidth (KHz)	Test Channel	Test Frequency (MHz)	Power Level	Test Results (dBm)	Test Results (W)	Test Result
Analog	6.25	CH4	450.0125	L	26.945	0.495	Pass
				H	30.240	1.057	
		CH5	460.0000	L	27.075	0.510	
				H	30.208	1.049	
		CH6	469.9875	L	27.075	0.510	
				H	29.638	0.920	
	12.5	CH4	450.0125	L	26.947	0.495	
				H	30.492	1.120	
		CH5	460.0000	L	27.059	0.508	
				H	30.039	1.009	
		CH6	469.9875	L	27.040	0.506	
				H	29.665	0.926	
Digital	12.5	CH10	450.00625	L	27.076	0.510	
				H	29.956	0.990	
		CH11	460.00000	L	27.148	0.519	
				H	29.745	0.943	
		CH12	469.99375	L	27.699	0.589	
				H	29.445	0.880	

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Occupied Bandwidth and Emission Mask

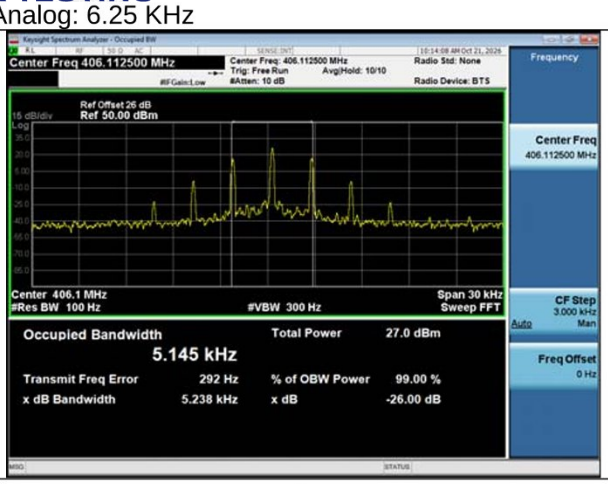
Occupied Bandwidth:

406.1-430MHz:

Mode	Channel Bandwidth (KHz)	Channel	Frequency (MHz)	Power Level	99% OBW (kHz)	26dB bandwidth (kHz)	99% OBW Limit (KHz)	Result
Analog	6.25	CH1	406.1125	L	5.145	5.238	6	Pass
				H	5.140	5.234		
		CH2	418.0625	L	5.149	5.241		
				H	5.160	5.244		
		CH3	429.9875	L	5.148	5.240		
				H	5.146	5.239		
	12.5	CH1	406.1125	L	10.022	10.19	11.25	
				H	10.008	10.17		
		CH2	418.0625	L	10.021	10.20		
				H	10.014	10.18		
		CH3	429.9875	L	10.017	10.19		
				H	10.008	10.18		
Digital	12.5	CH7	406.10625	L	7.264	9.178	11.25	Pass
				H	7.686	9.234		
		CH8	418.05625	L	7.393	9.175		
				H	7.459	9.424		
		CH9	429.99375	L	7.167	9.332		
				H	7.403	9.242		

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Analog: 6.25 KHz



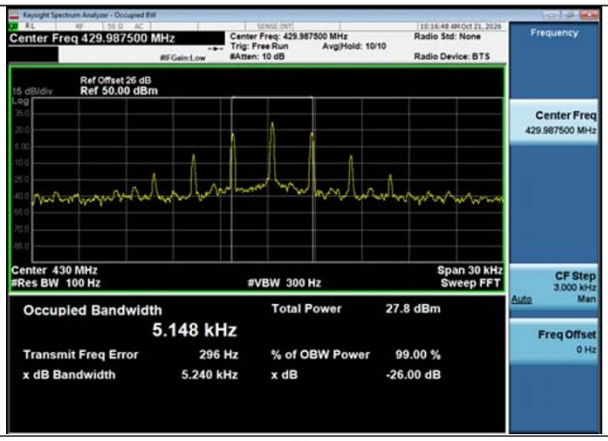


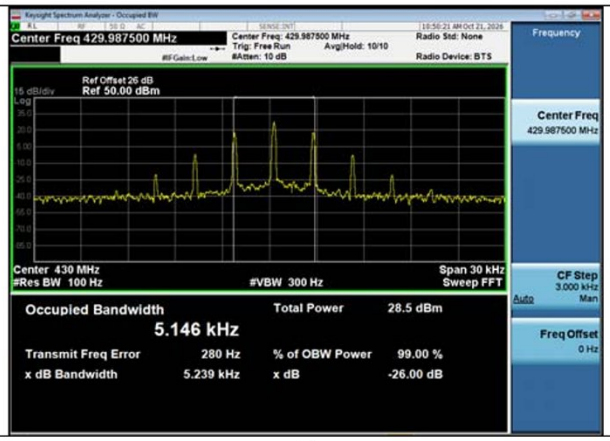
L	H
406.1125MHz	





L	H
418.0625MHz	

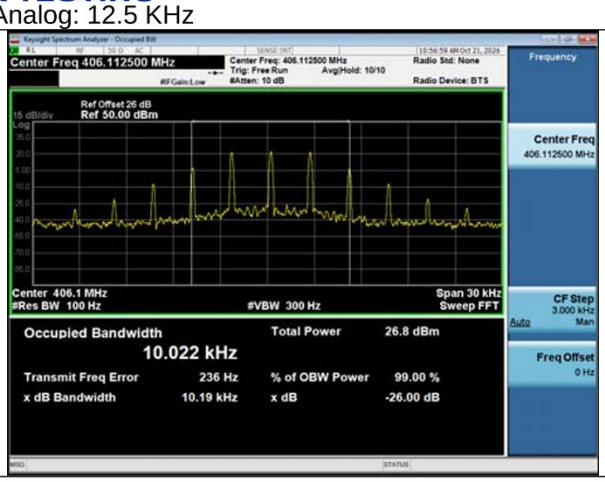


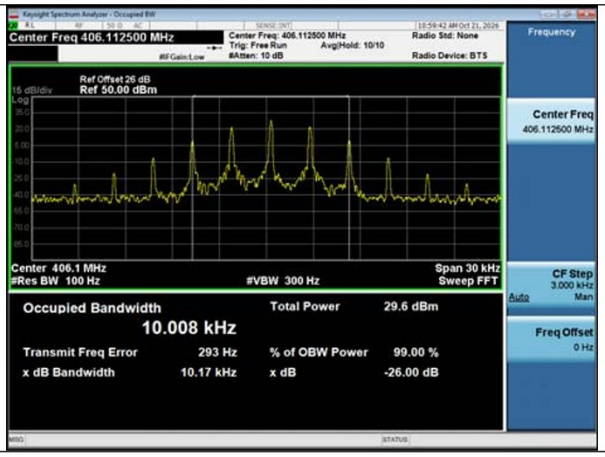


L	H
429.9875MHz	

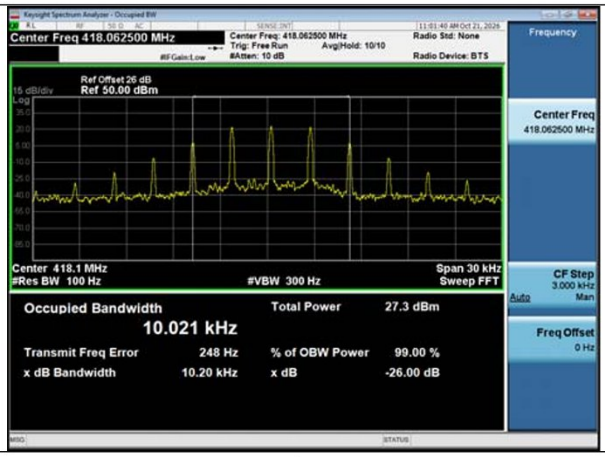
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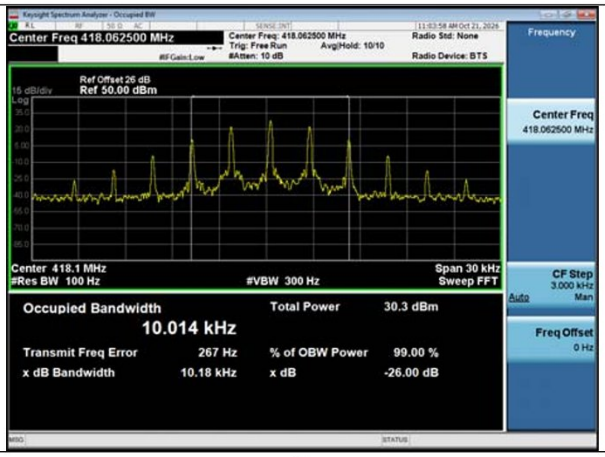
Analog: 12.5 KHz



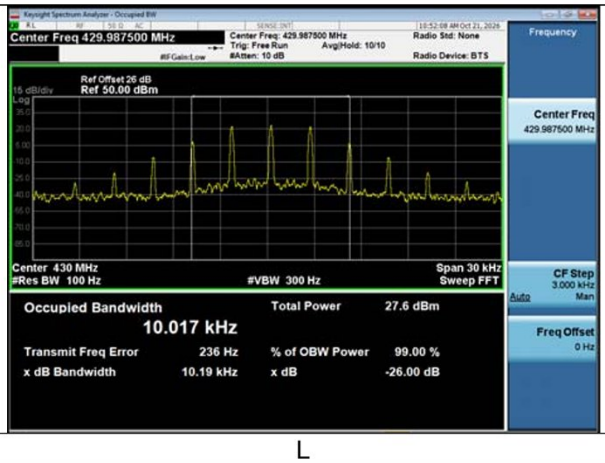


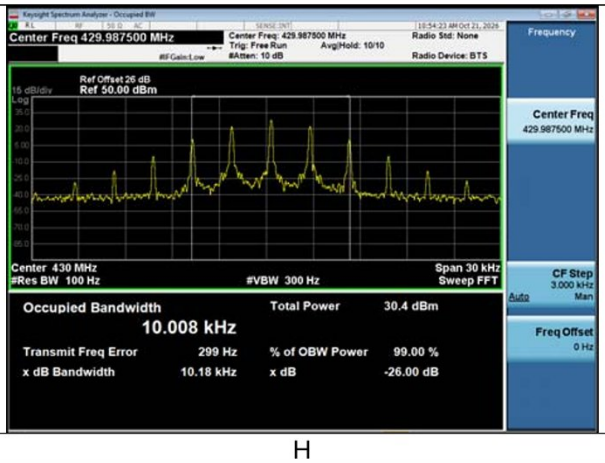
L	H
406.1125MHz	





L	H
418.0625MHz	





L	H
429.9875MHz	

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Digital: 12.5 KHz



L



H

406.10625MHz



L



H

418.05625MHz



L



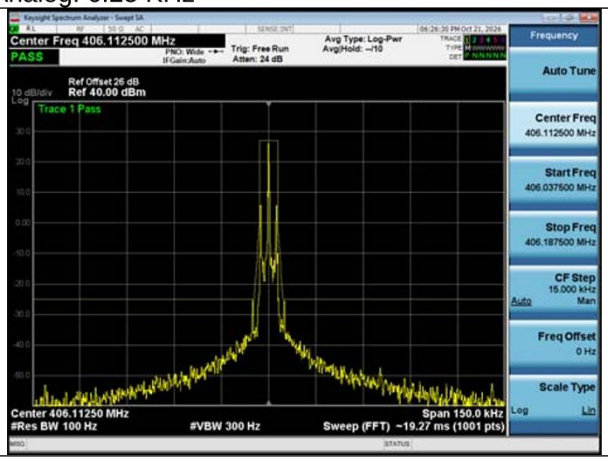
H

429.99375MHz

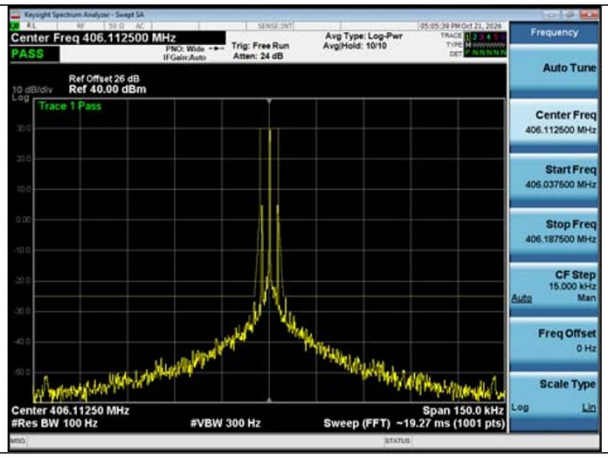
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Emission Mask:

Analog: 6.25 KHz

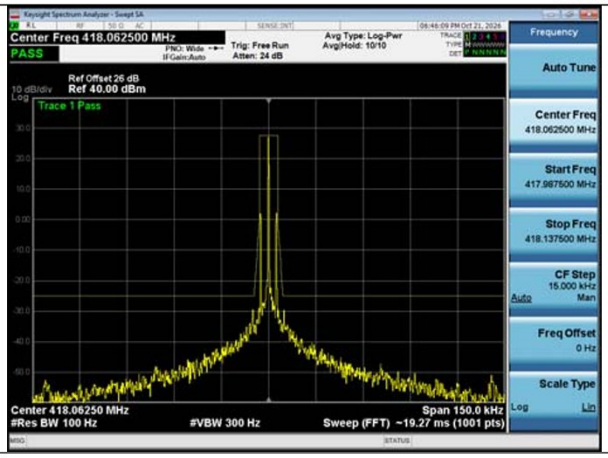


L

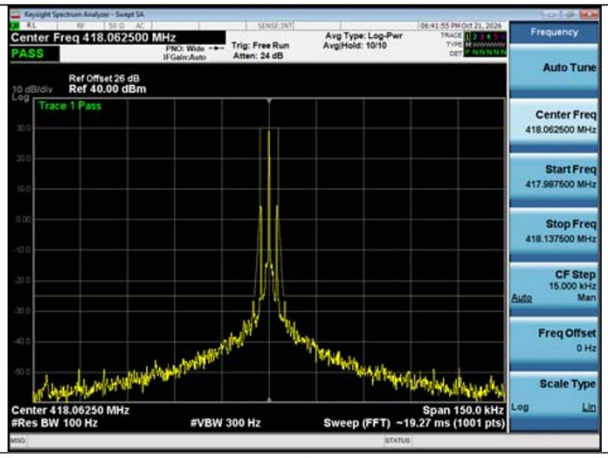


H

406.1125MHz

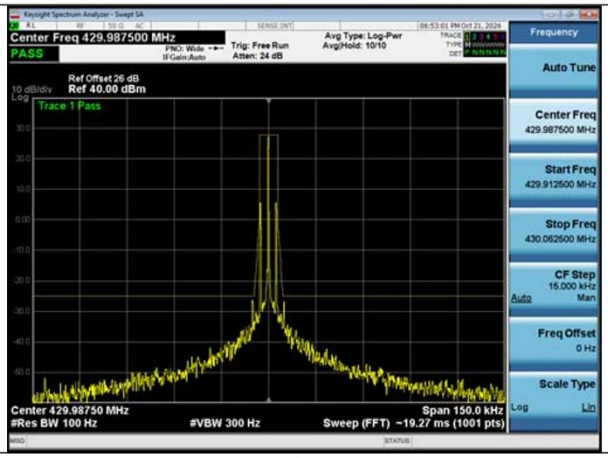


L

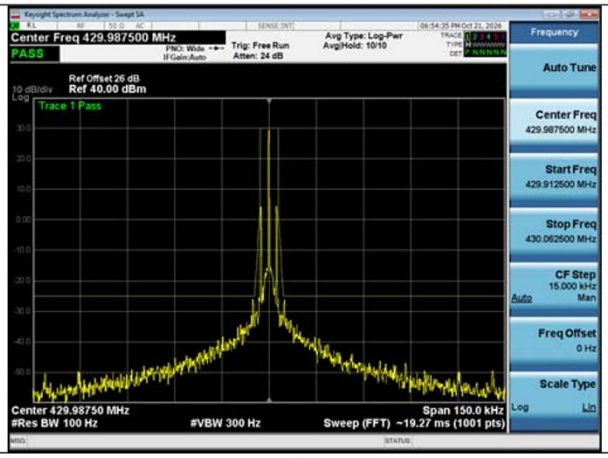


H

418.0625MHz



L

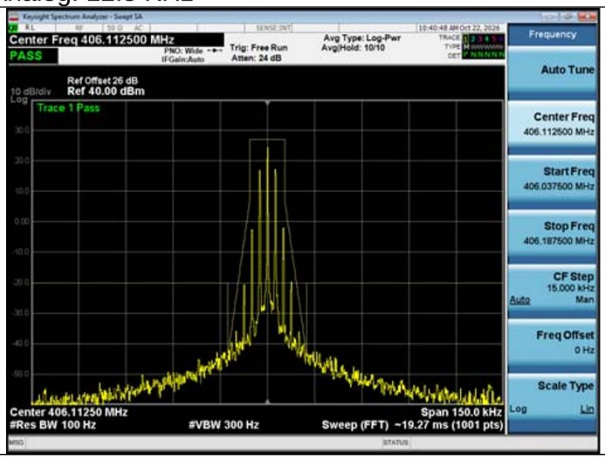


H

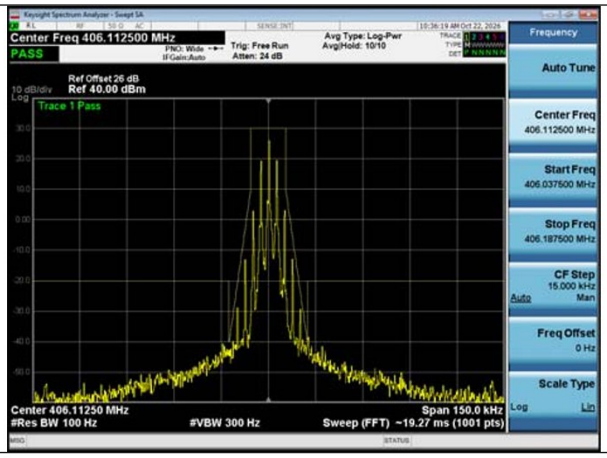
429.9875MHz

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Analog: 12.5 KHz

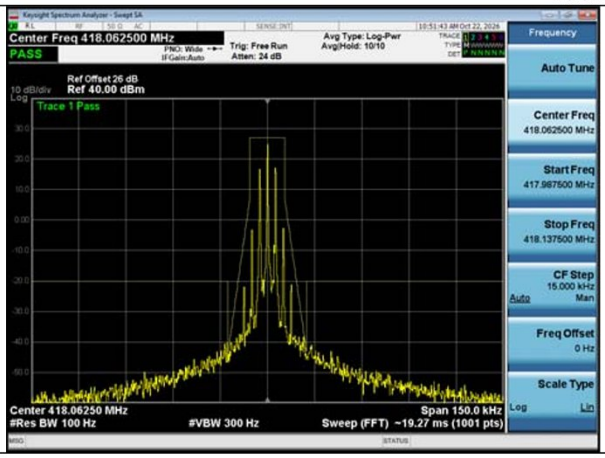


L

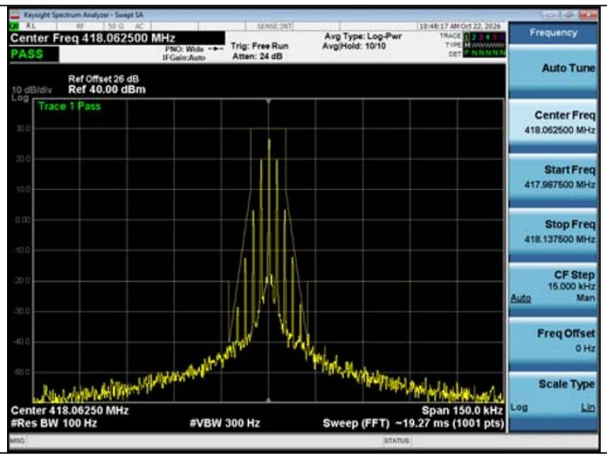


H

406.1125MHz

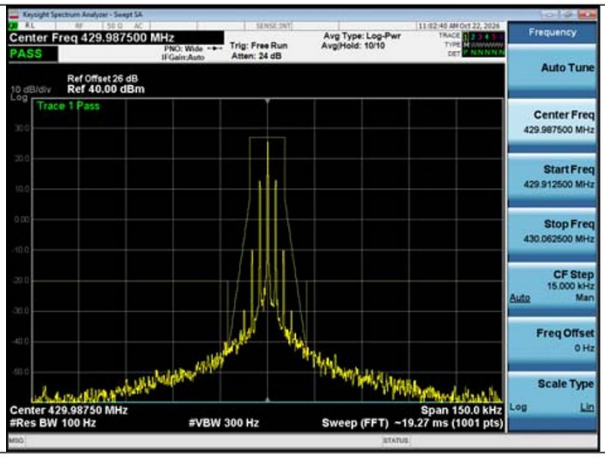


L

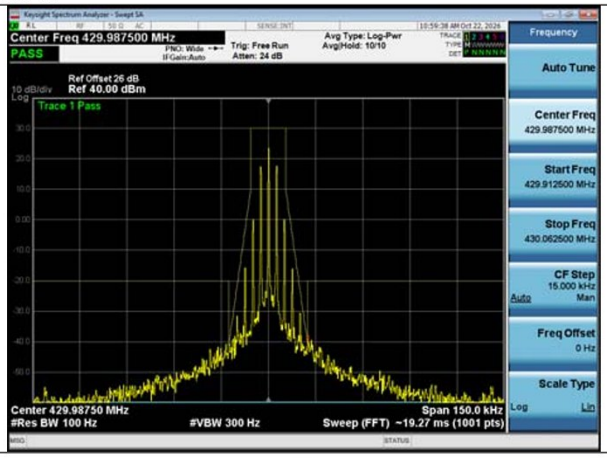


H

418.0625MHz



L

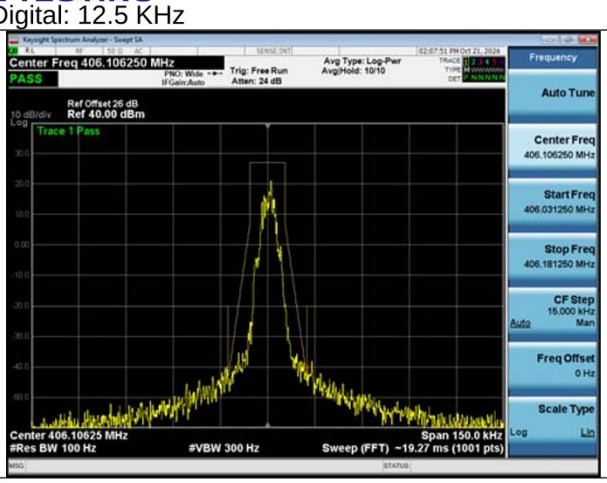


H

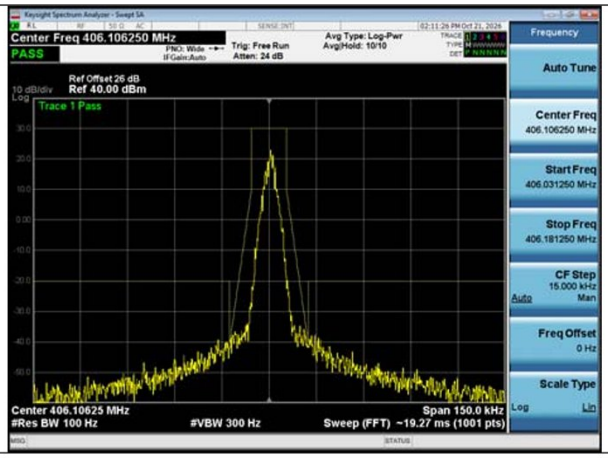
429.9875MHz

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Digital: 12.5 KHz

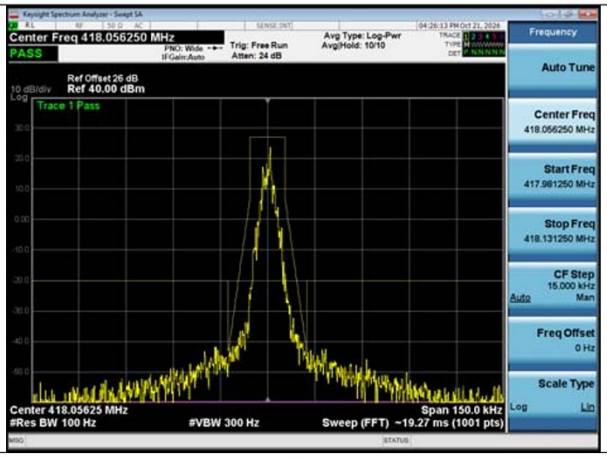


L

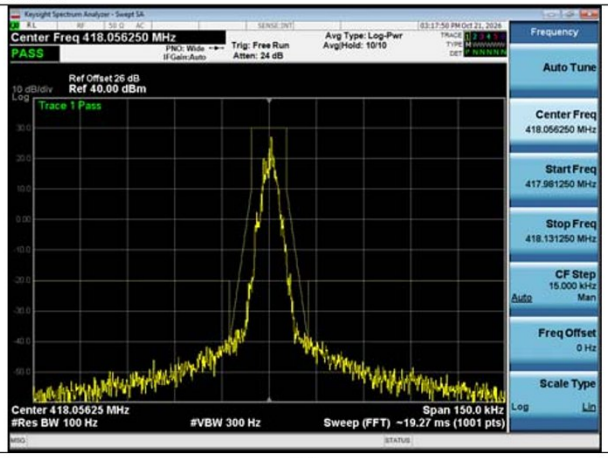


H

406.10625MHz

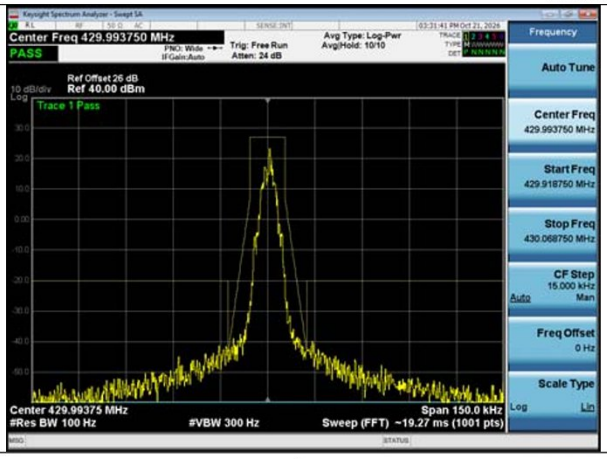


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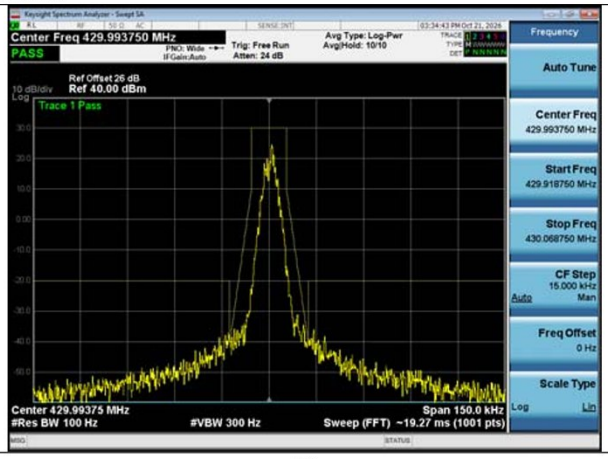


H

418.05625MHz



L



H

429.99375MHz

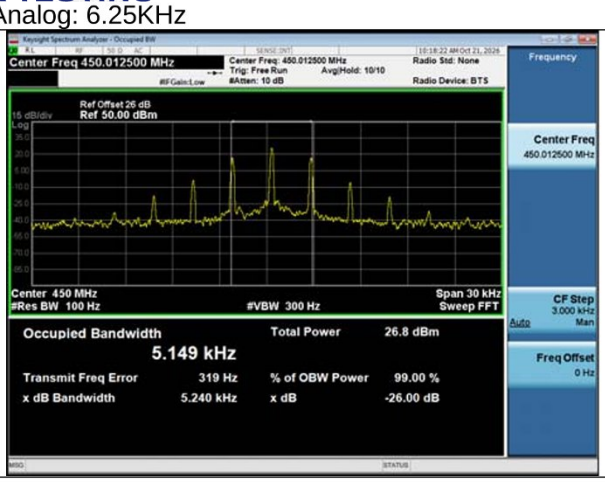
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450-470MHz:

Mode	Channel Bandwidth (KHz)	Channel	Frequency (MHz)	Power Level	99% OBW (kHz)	26dB bandwidth (kHz)	99% OBW Limit (KHz)	Result
Analog	6.25	CH4	450.0125	L	5.149	5.240	6	Pass
				H	5.150	5.239		
		CH5	460.0000	L	5.149	5.241		
				H	5.153	5.240		
		CH6	469.9875	L	5.158	5.240		
				H	5.150	5.241		
	12.5	CH4	450.0125	L	10.000	10.18	11.25	
				H	9.920	10.14		
		CH5	460.0000	L	9.995	10.19		
				H	10.012	10.16		
		CH6	469.9875	L	10.051	10.21		
				H	10.034	10.18		
Digital	12.5	CH10	450.00625	L	7.102	8.987	11.25	Pass
				H	7.584	9.217		
		CH11	460.00000	L	7.351	9.086		
				H	7.067	9.302		
		CH12	469.99375	L	7.159	9.035		
				H	7.288	9.338		

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Analog: 6.25KHz

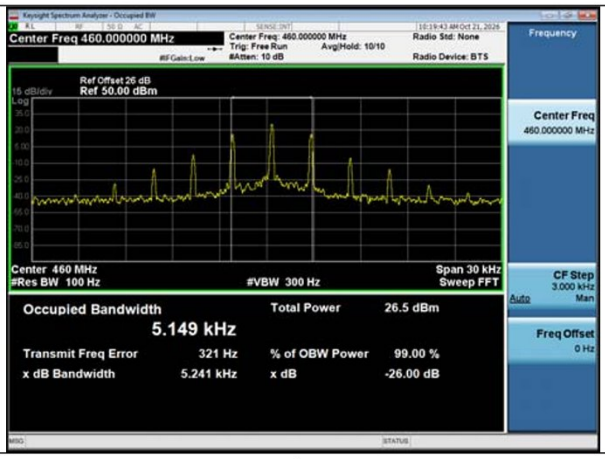


L



H

450.0125MHz



L



H

460.0000MHz



L

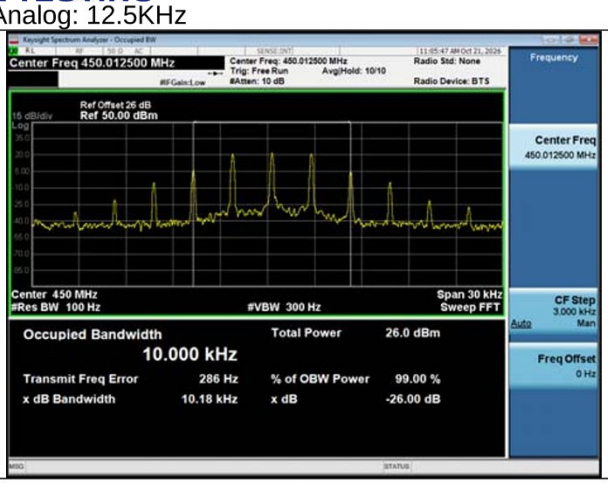


H

469.9875MHz

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Analog: 12.5KHz



L



H

450.0125MHz

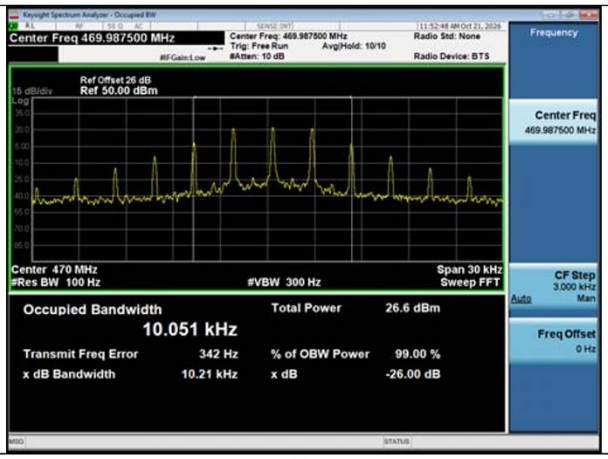


L



H

460.0000MHz



L

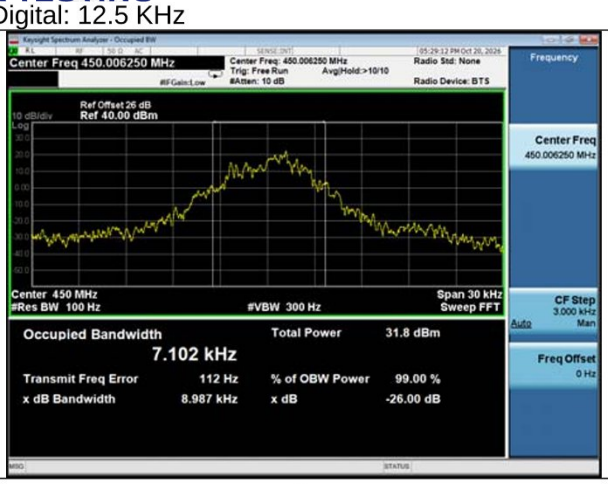


H

469.9875MHz

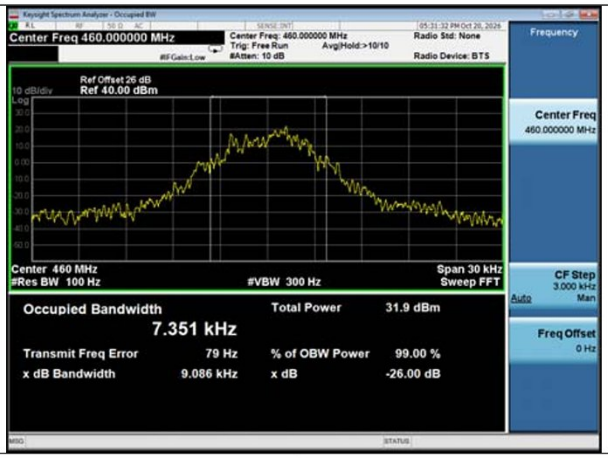
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Digital: 12.5 KHz





L	H
450.00625MHz	





L	H
460.00000MHz	



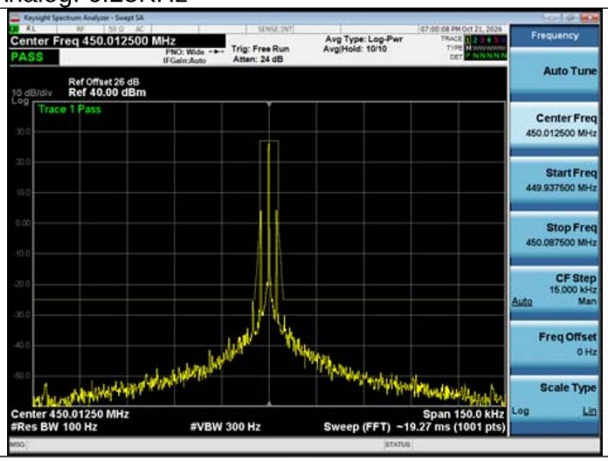


L	H
469.99375MHz	

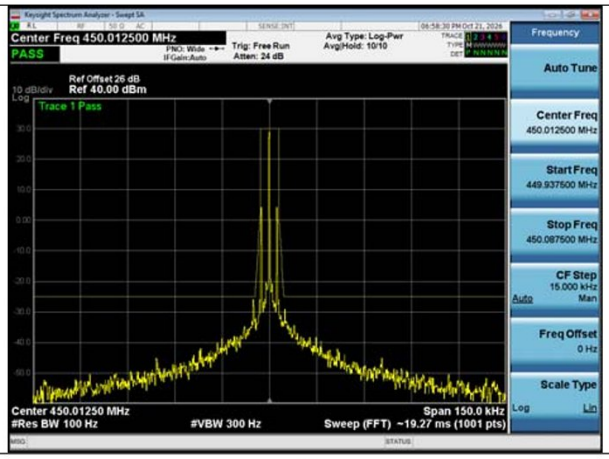
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Emission Mask:

Analog: 6.25KHz

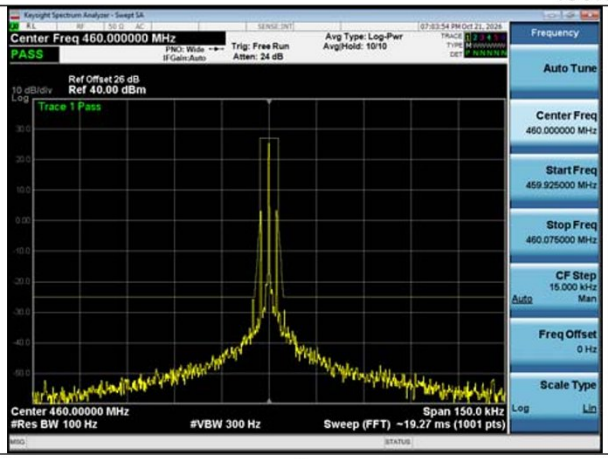


L

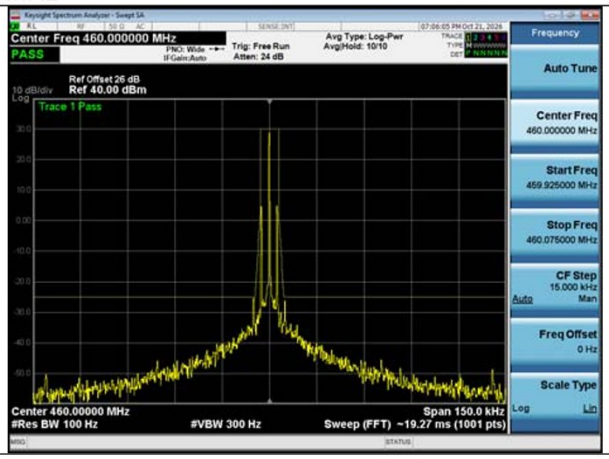


H

450.0125MHz

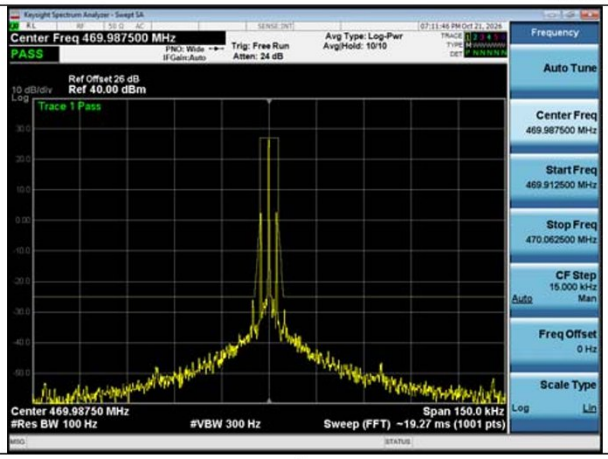


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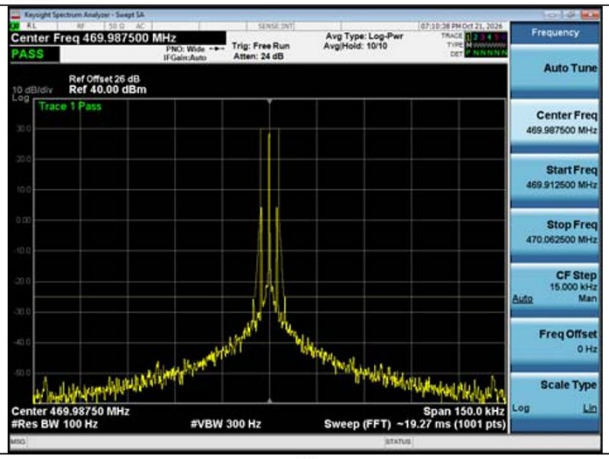


H

460.0000MHz



L

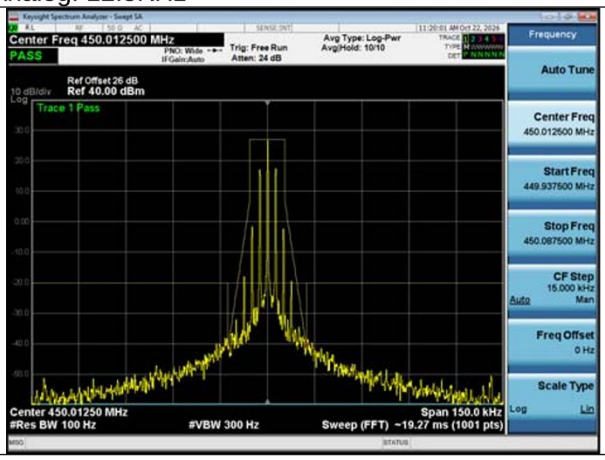


H

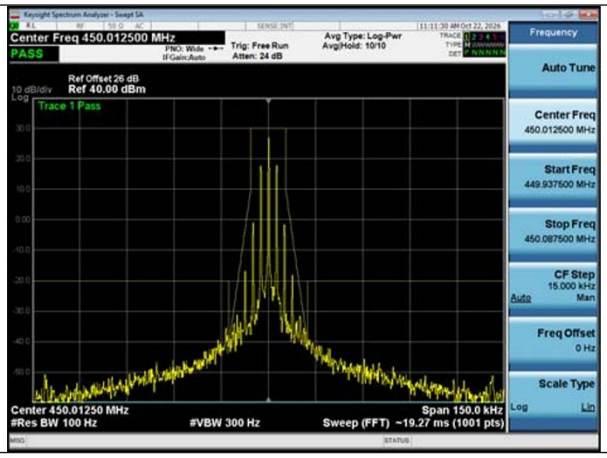
469.9875MHz

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Analog: 12.5KHz

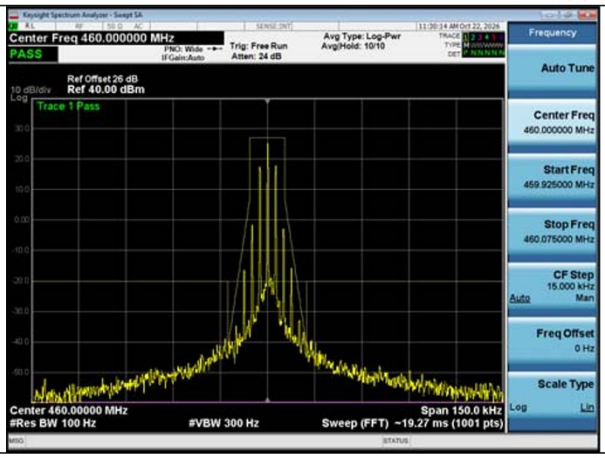


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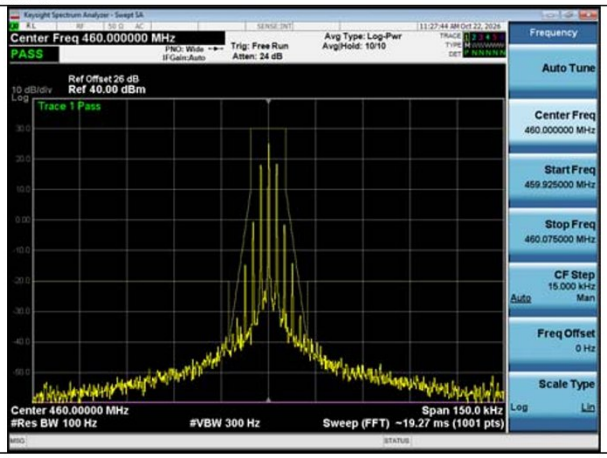


H

450.0125MHz

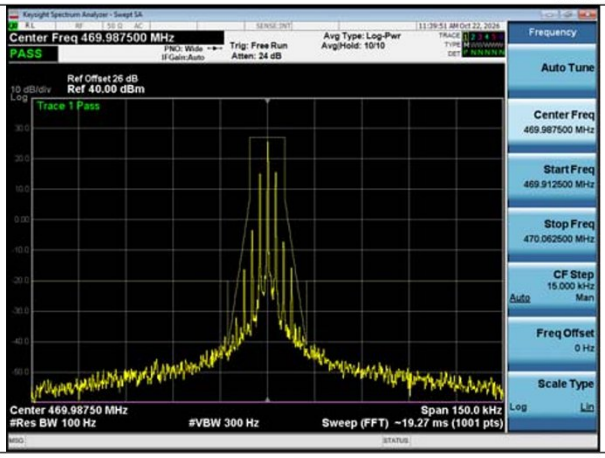


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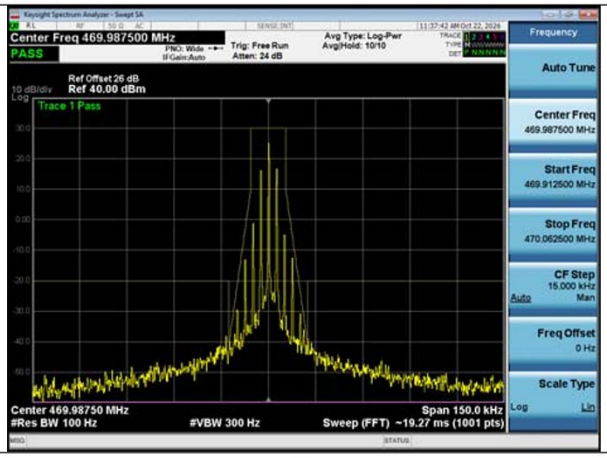


H

460.0000MHz



L

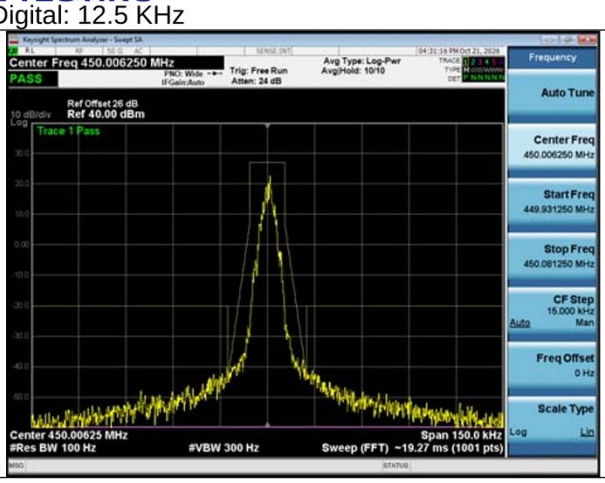


H

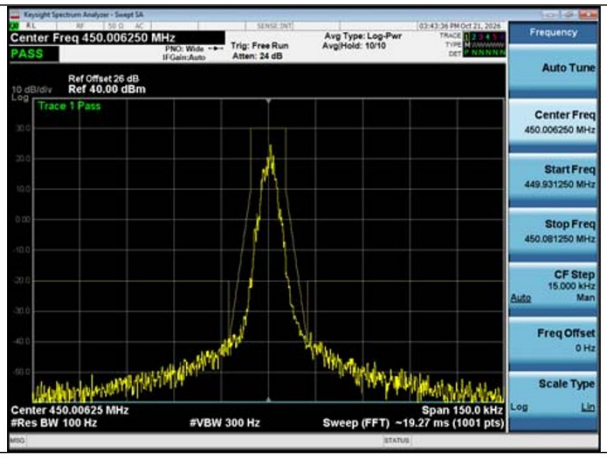
469.9875MHz

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Digital: 12.5 KHz

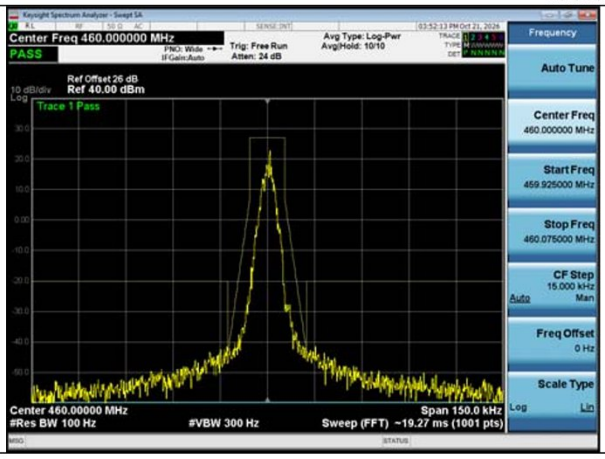


L

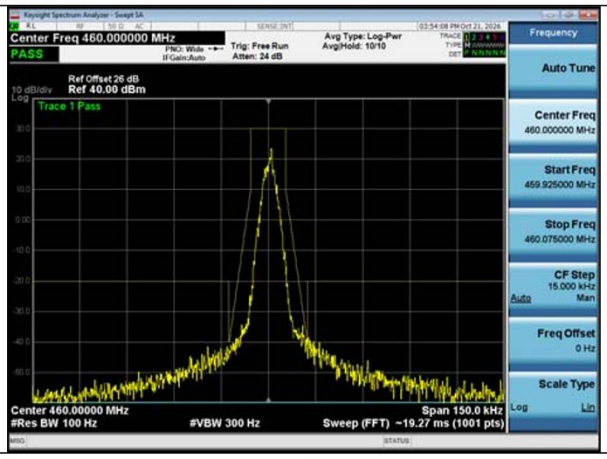


H

450.00625MHz

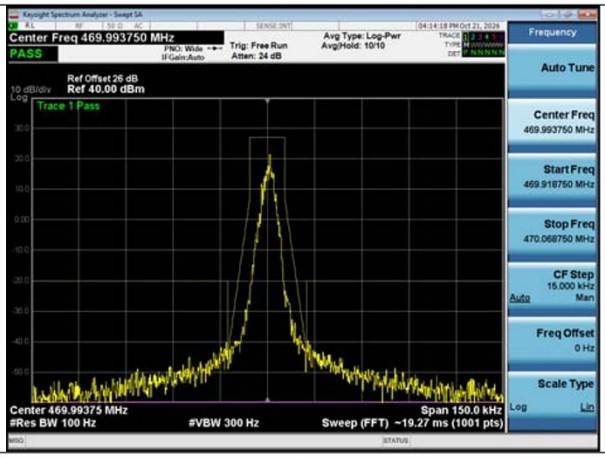


L

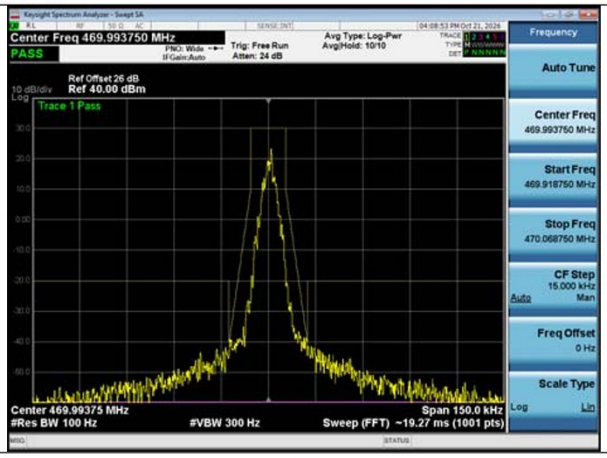


H

460.00000MHz



L



H

469.99375MHz

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Frequency Stability

Analog: 6.25KHz

Test conditions		Frequency error (ppm)			Limit (ppm)	Result
Voltage(V)	Temp(℃)	406.10625MHz	418.05625MHz	429.99375MHz		
4.2	-30	0.51	0.48	0.50	1	Pass
	-20	0.61	0.62	0.67		
	-10	0.70	0.76	0.68		
	0	0.79	0.88	0.78		
	10	0.83	0.87	0.84		
	20	0.72	0.69	0.73		
	30	0.68	0.62	0.64		
	40	0.67	0.64	0.61		
	50	0.67	0.63	0.66		
3.57 (85% Rated)	20	0.82	0.78	0.82		
4.83 (115% Rated)	20	0.72	0.66	0.74		

Test conditions		Frequency error (ppm)			Limit (ppm)	Result
Voltage(V)	Temp(℃)	450.00625MHz	460.00000MHz	469.99375MHz		
4.2	-30	0.48	0.52	0.48	1	Pass
	-20	0.64	0.59	0.59		
	-10	0.69	0.72	0.71		
	0	0.80	0.81	0.87		
	10	0.86	0.86	0.84		
	20	0.66	0.65	0.70		
	30	0.66	0.65	0.65		
	40	0.64	0.63	0.66		
	50	0.58	0.58	0.64		
3.57 (85% Rated)	20	0.82	0.80	0.79		
4.83 (115% Rated)	20	0.67	0.67	0.68		

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Analog: 12.5KHz

Test conditions		Frequency error (ppm)			Limit (ppm)	Result
Voltage(V)	Temp(℃)	406.10625MHz	418.05625MHz	429.99375MHz		
4.2	-30	1.27	1.33	1.29	2.5	Pass
	-20	1.38	1.37	1.38		
	-10	1.12	1.14	1.14		
	0	1.35	1.33	1.41		
	10	1.30	1.26	1.25		
	20	1.28	1.23	1.27		
	30	1.37	1.33	1.06		
	40	1.29	1.28	1.25		
	50	1.11	1.08	1.10		
3.57 (85% Rated)	20	1.02	0.98	1.02		
4.83 (115% Rated)	20	1.24	1.28	1.23		

Test conditions		Frequency error (ppm)			Limit (ppm)	Result
Voltage(V)	Temp(℃)	450.00625MHz	460.00000MHz	469.99375MHz		
4.2	-30	1.28	1.24	1.28	2.5	Pass
	-20	1.31	1.29	1.38		
	-10	1.09	1.18	1.10		
	0	1.33	1.35	1.41		
	10	1.28	1.25	1.27		
	20	1.27	1.23	1.23		
	30	1.03	1.04	1.07		
	40	1.33	1.32	1.29		
	50	1.11	1.11	1.17		
3.57 (85% Rated)	20	1.07	1.01	1.06		
4.83 (115% Rated)	20	1.30	1.27	1.30		

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Digital: 12.5KHz

Test conditions		Frequency error (ppm)			Limit (ppm)	Result
Voltage(V)	Temp(℃)	406.1125MHz	418.0625MHz	429.9875MHz		
4.2	-30	1.23	1.25	1.09	2.5	Pass
	-20	1.23	1.22	1.31		
	-10	1.14	1.19	1.13		
	0	1.12	1.15	1.06		
	10	1.21	1.20	1.26		
	20	1.21	1.27	1.20		
	30	1.07	1.02	1.01		
	40	1.26	1.26	1.27		
	50	1.10	1.17	1.10		
3.57 (85% Rated)	20	0.99	1.06	1.04		
4.83 (115% Rated)	20	1.26	1.26	1.23		

Test conditions		Frequency error (ppm)			Limit (ppm)	Result
Voltage(V)	Temp(℃)	450.0125MHz	460.0000MHz	469.9875MHz		
4.2	-30	1.14	1.17	1.13	2.5	Pass
	-20	1.17	1.13	1.15		
	-10	1.16	1.16	1.13		
	0	1.10	1.12	1.10		
	10	1.29	1.28	1.27		
	20	1.21	1.24	1.27		
	30	1.00	1.02	1.00		
	40	1.26	1.29	1.25		
	50	1.10	1.10	1.10		
3.57 (85% Rated)	20	1.06	1.03	1.01		
4.83 (115% Rated)	20	1.25	1.24	1.22		

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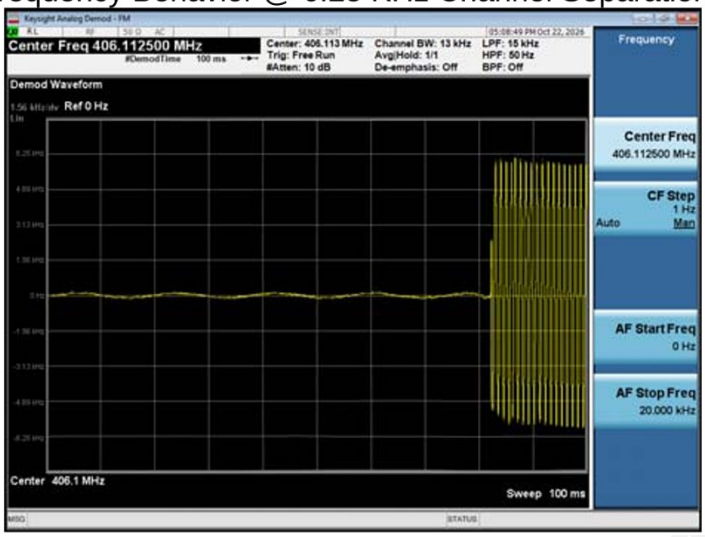
Transmitter Frequency Behavior

Modulation Type: FM

Transmitter Frequency Behavior @ 6.25 KHz Channel Separation------Off – On



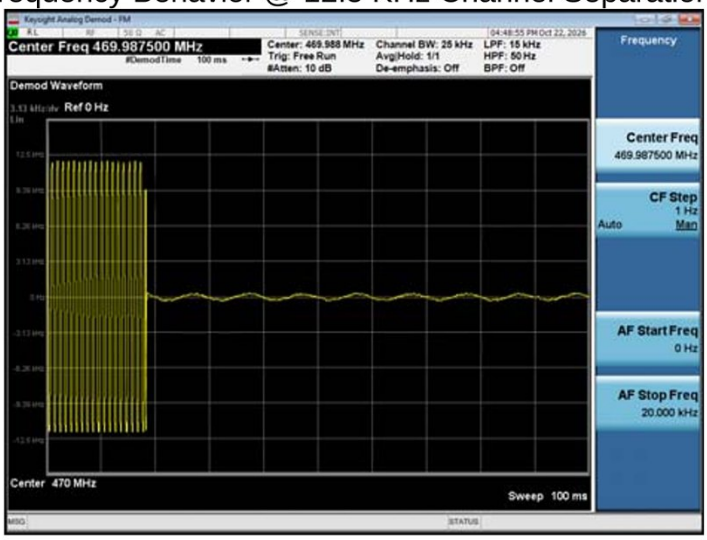
Transmitter Frequency Behavior @ 6.25 KHz Channel Separation------On – Off



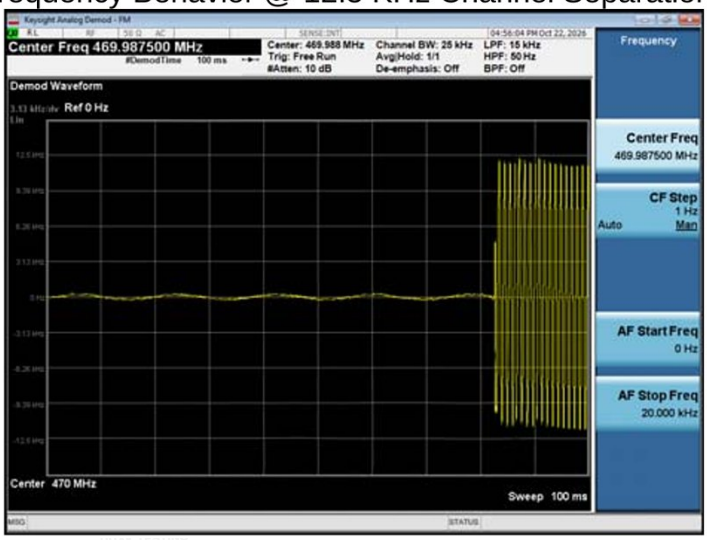
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Modulation Type: FM

Transmitter Frequency Behavior @ 12.5 KHz Channel Separation------Off – On



Transmitter Frequency Behavior @ 12.5 KHz Channel Separation------On – Off



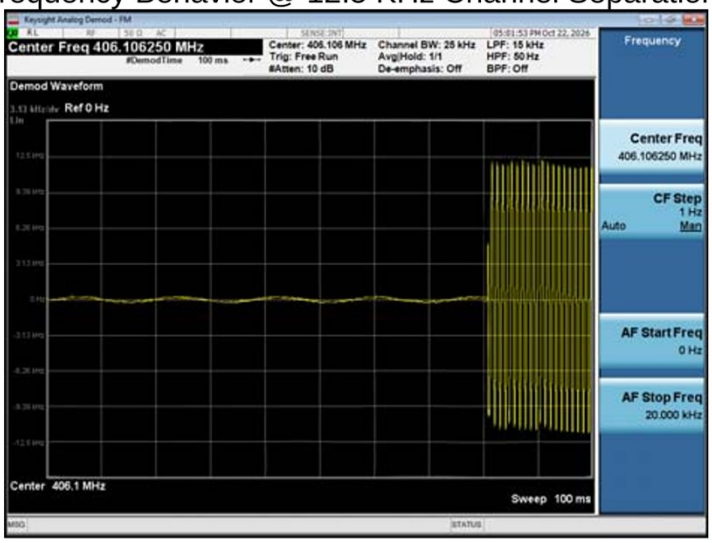
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Modulation Type: 4FSK

Transmitter Frequency Behavior @ 12.5 KHz Channel Separation------Off – On



Transmitter Frequency Behavior @ 12.5 KHz Channel Separation------On – Off

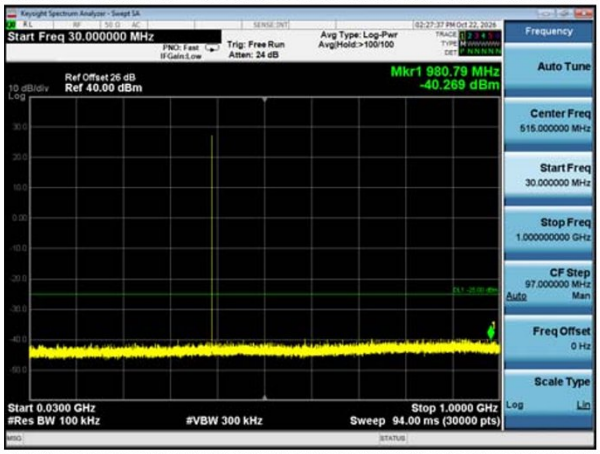


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Transmitter Spurious Emissions (Conducted)

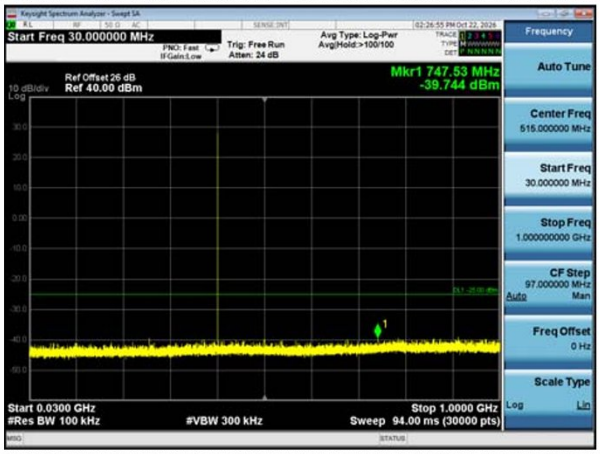
Analog: 6.25K
406.1-430MHz: LOW

FM





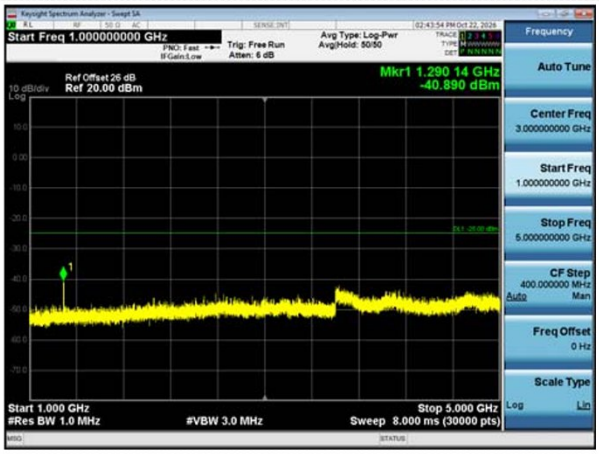
CH1





CH2





CH3

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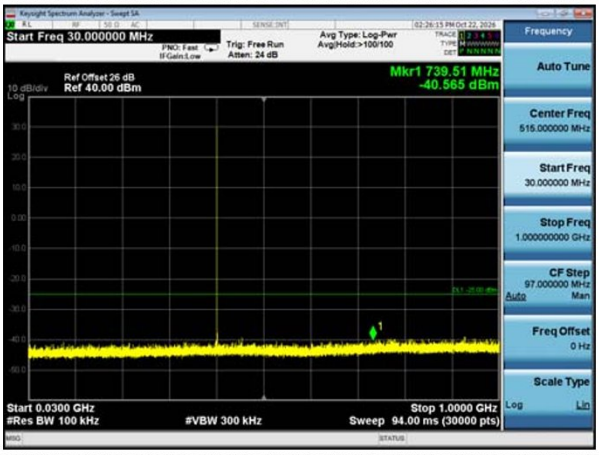
406.1-430MHz: HIGH

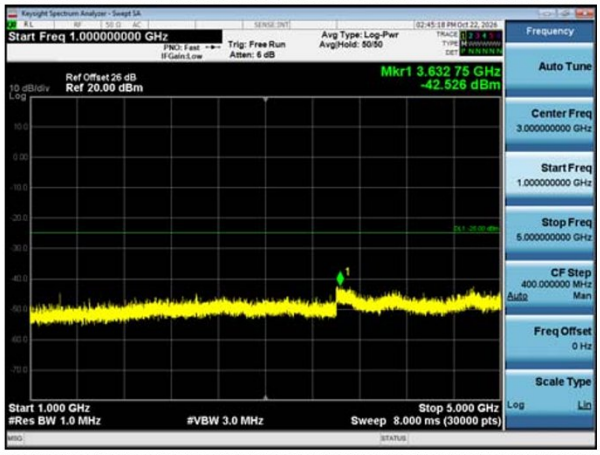
FM



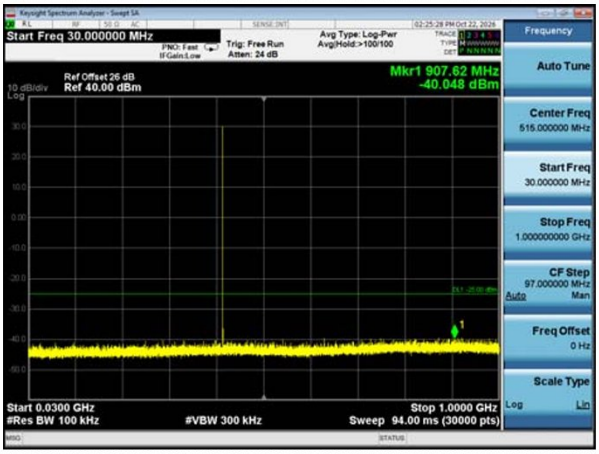


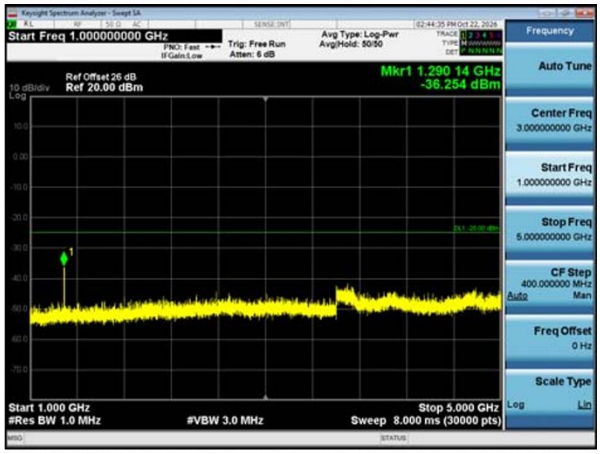
CH1





CH2



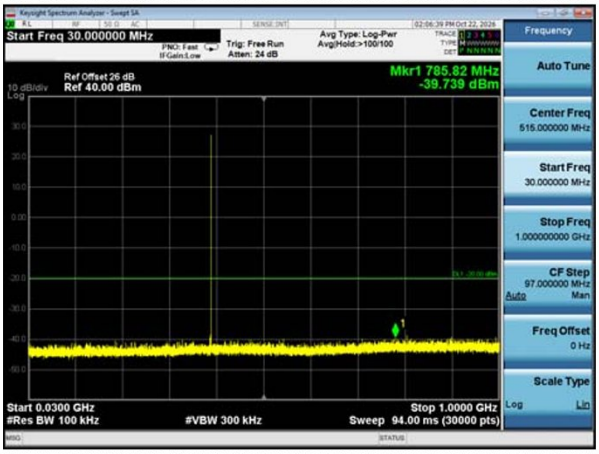


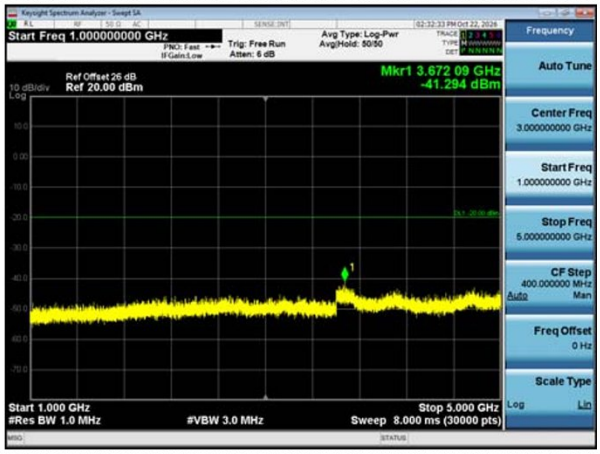
CH3

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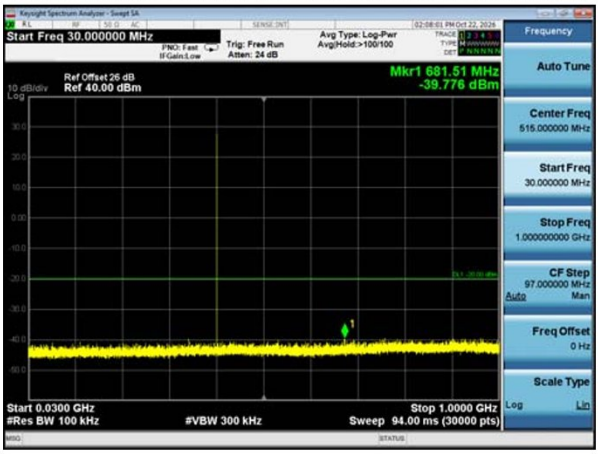
Analog: 12.5K
406.1-430MHz: LOW

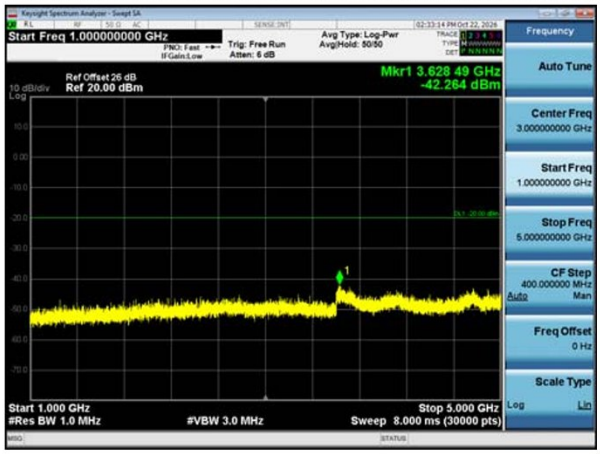
FM



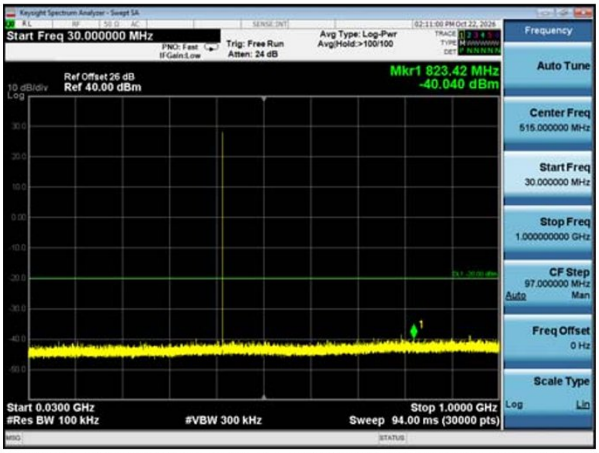


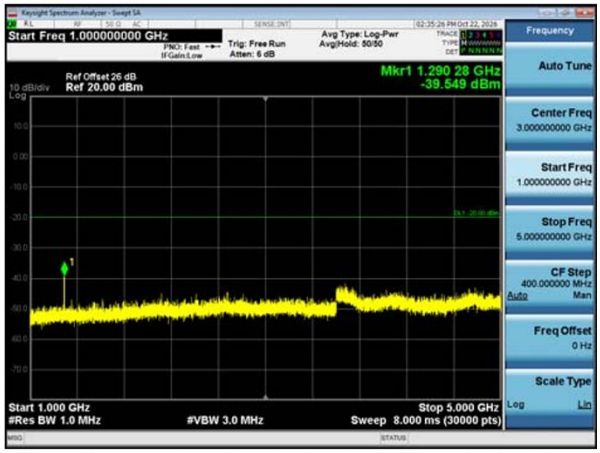
CH7





CH8



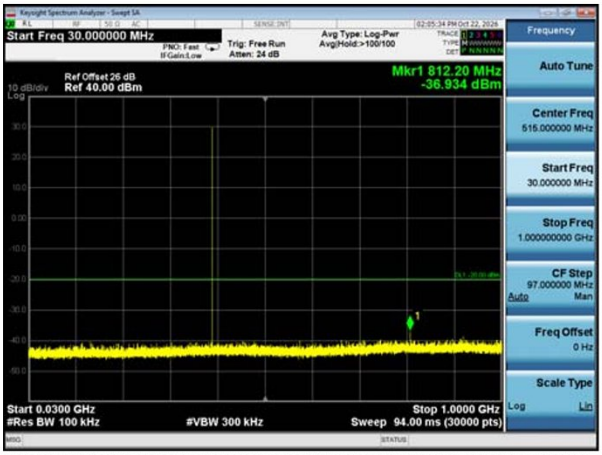


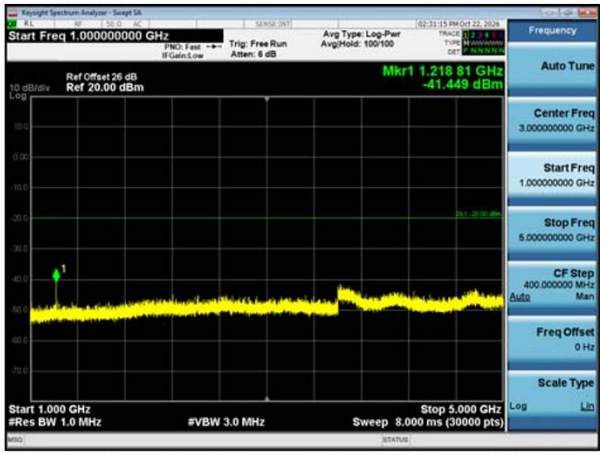
CH9

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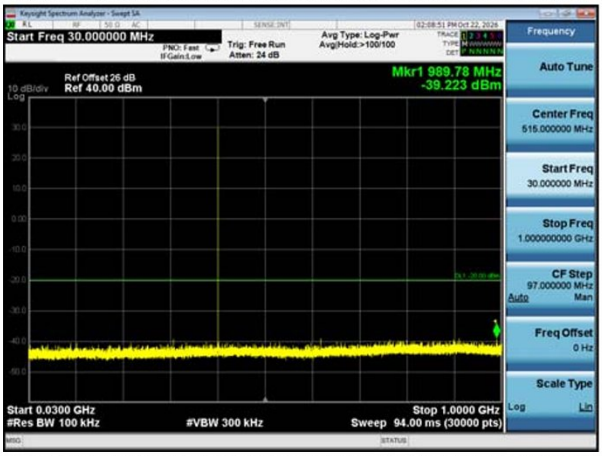
406.1-430MHz: HIGH

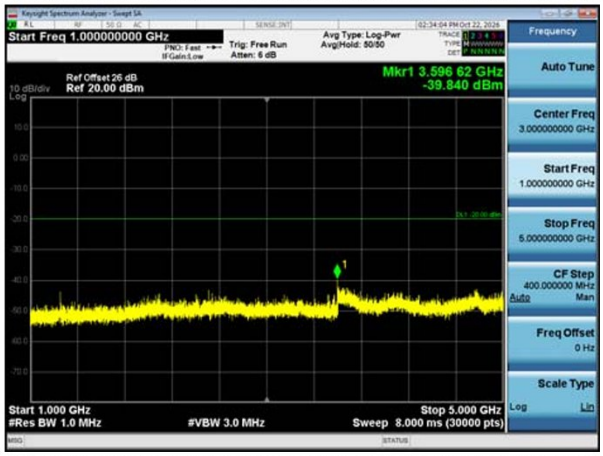
FM





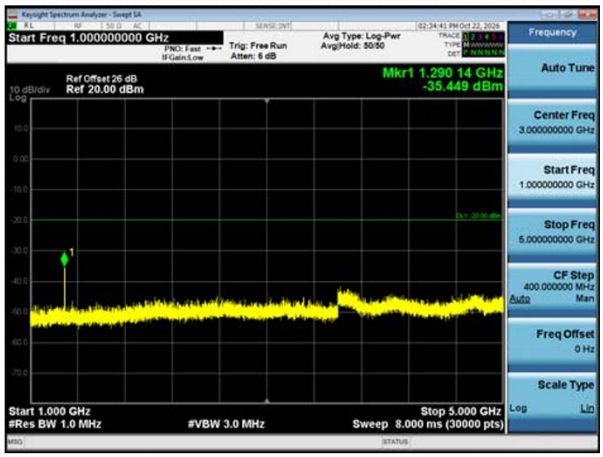
CH1





CH2



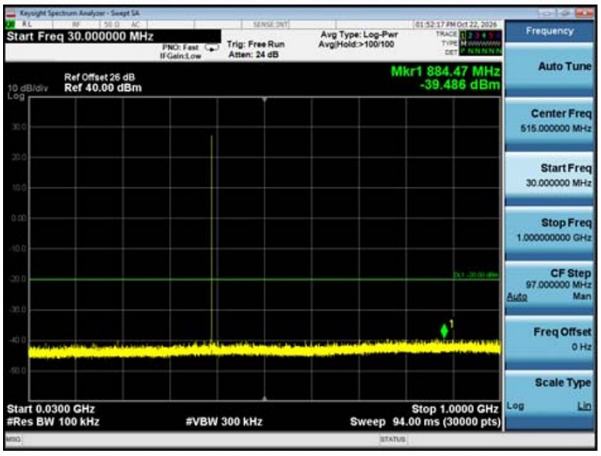


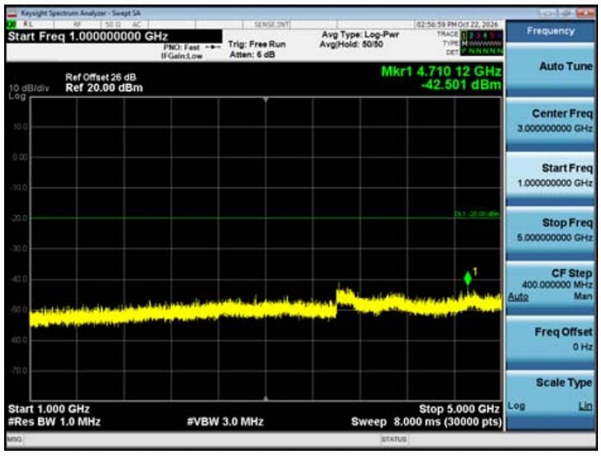
CH3

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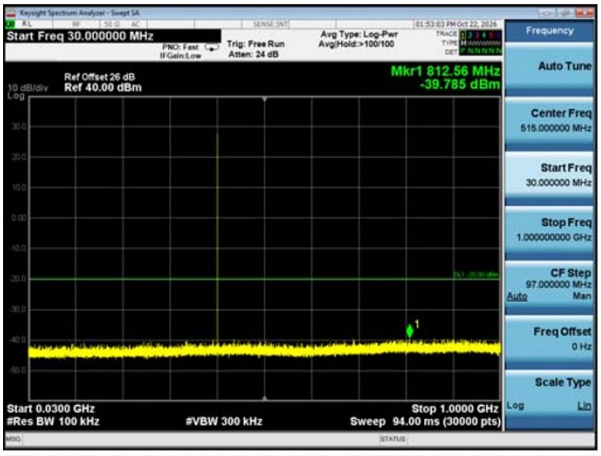
Digital: 12.5K
406.1-430MHz: LOW

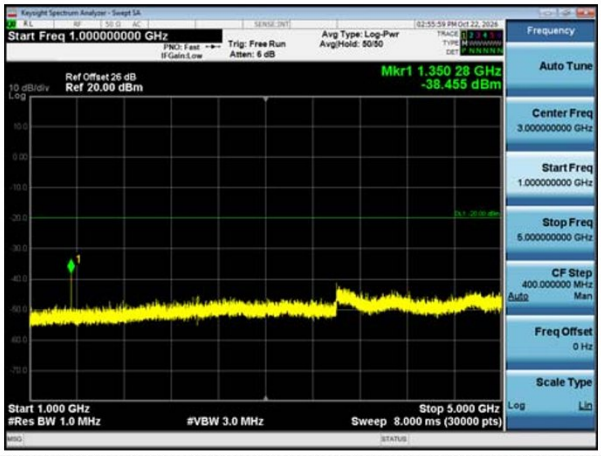
4FSK



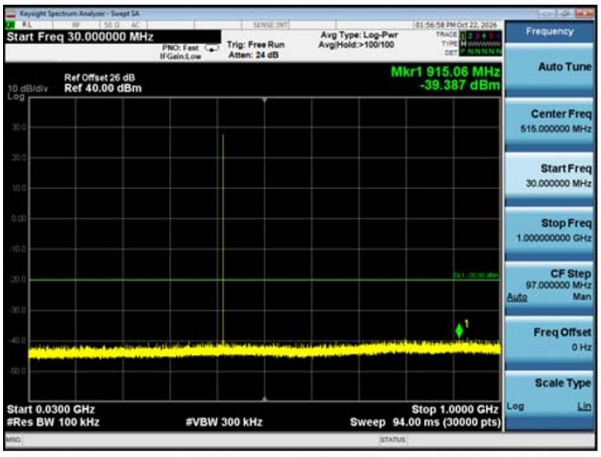


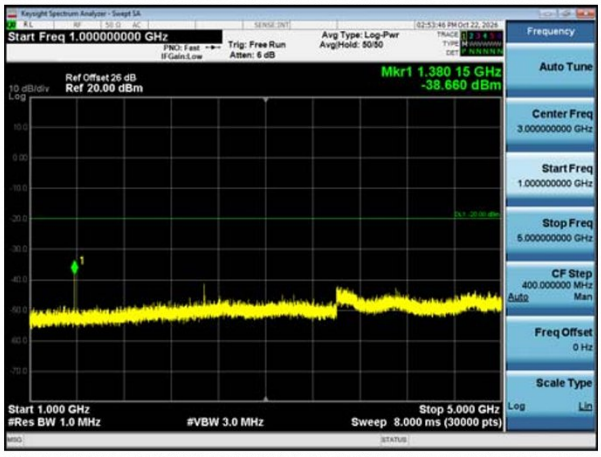
CH7





CH8



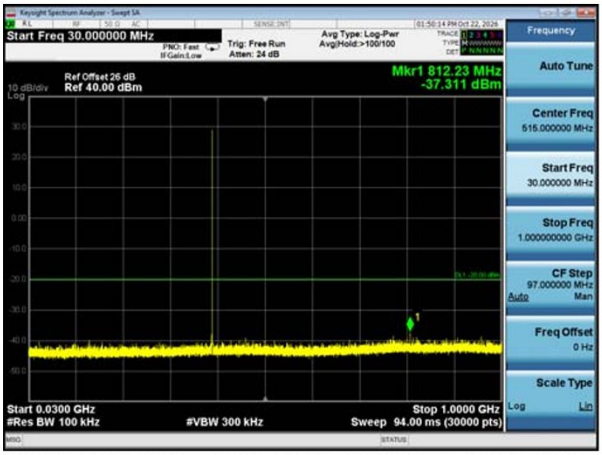


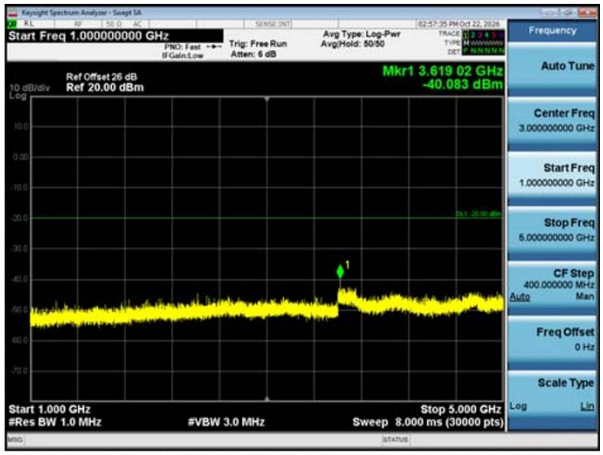
CH9

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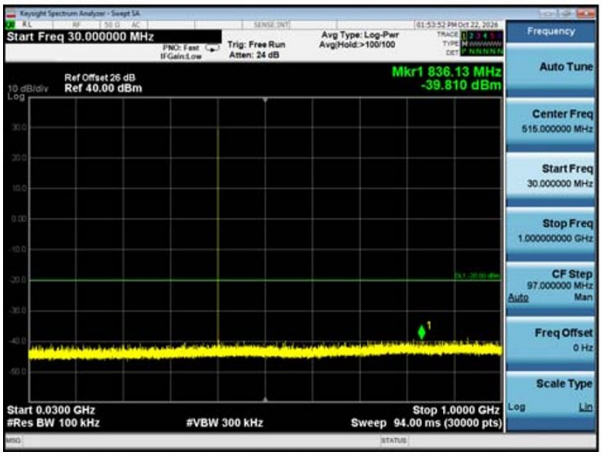
406.1-430MHz: HIGH

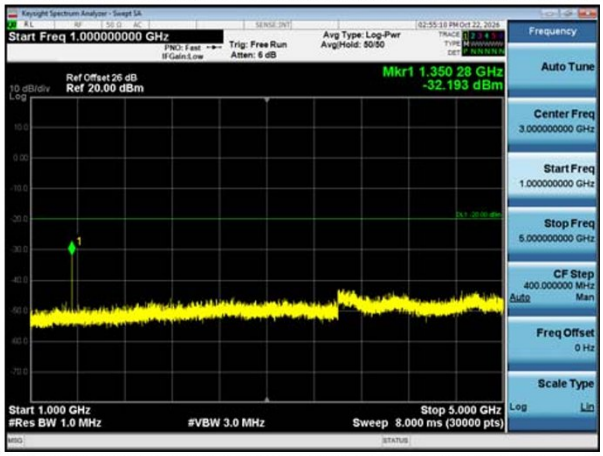
4FSK





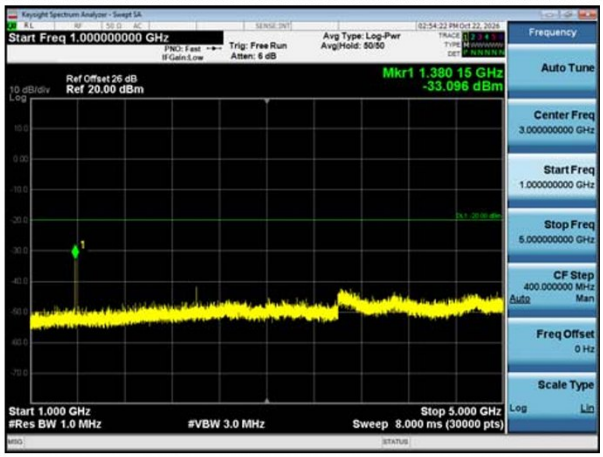
CH1





CH2



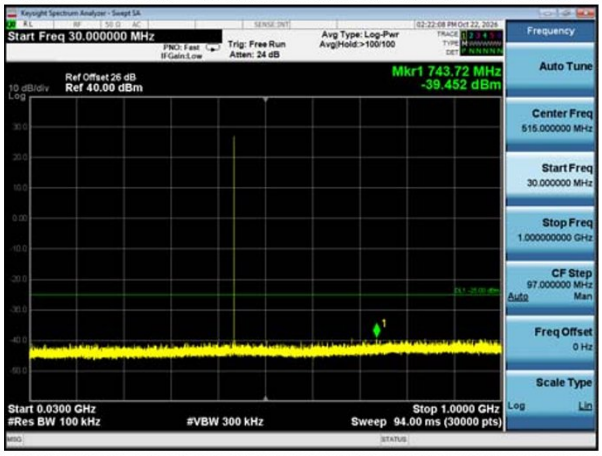


CH3

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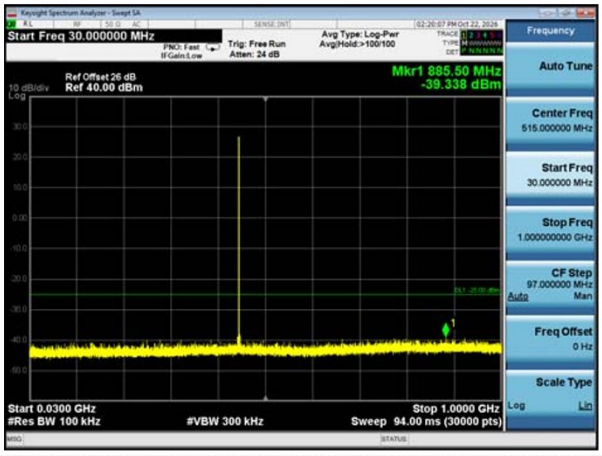
Analog: 6.25K
450-470MHz: LOW

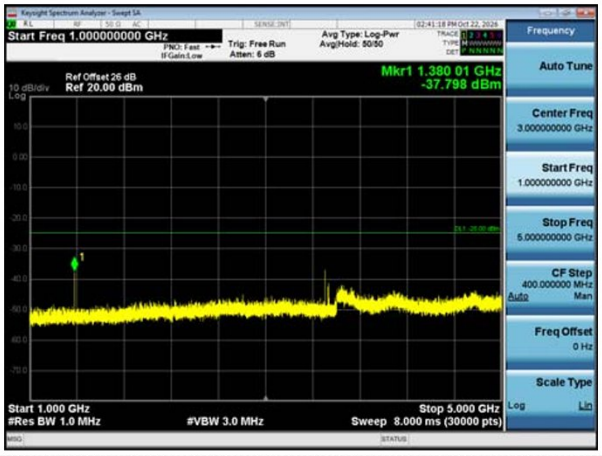
FM



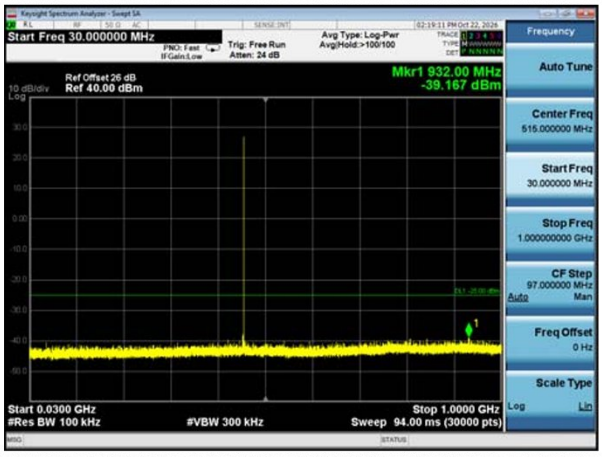


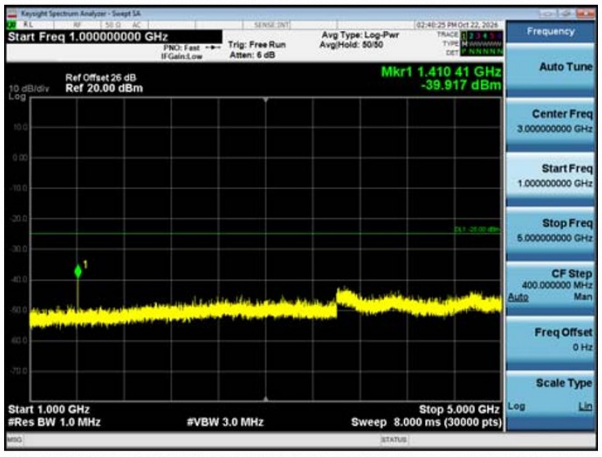
CH4





CH5



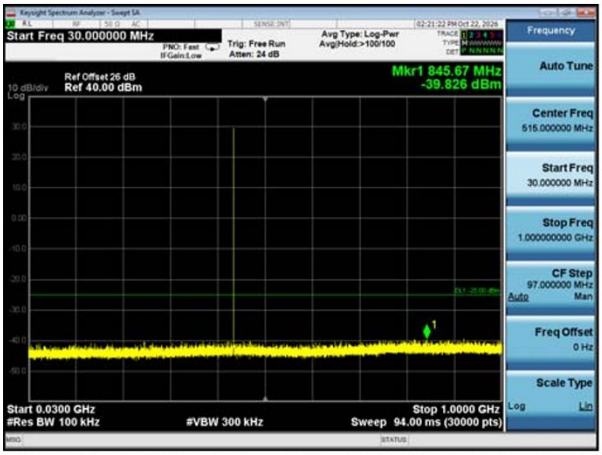


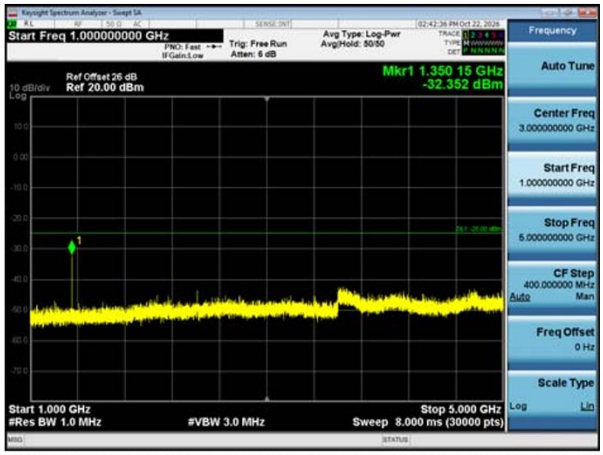
CH6

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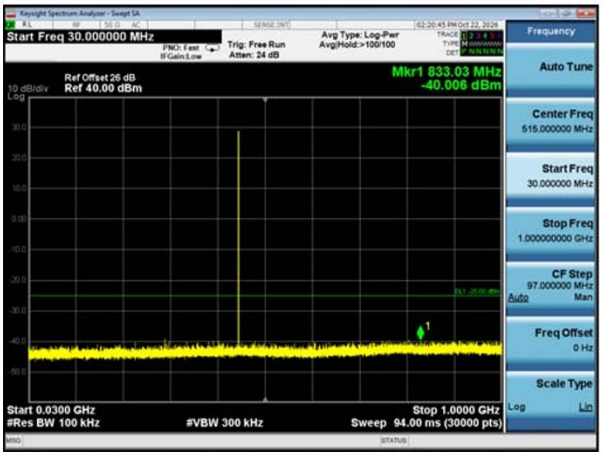
450-470MHz: HIGH

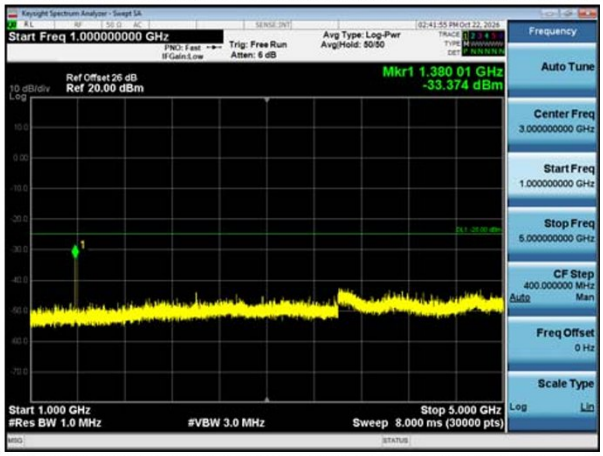
FM





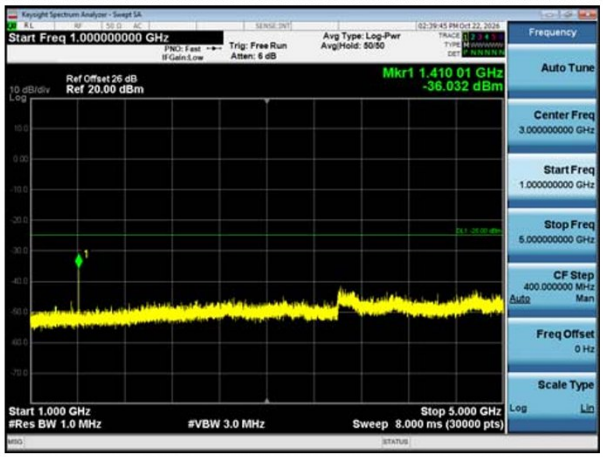
CH4





CH5



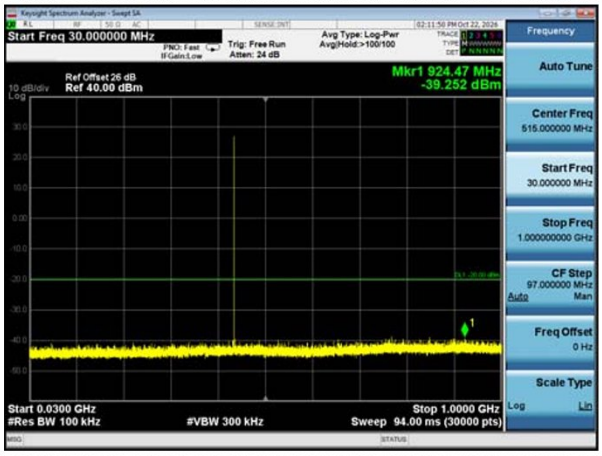


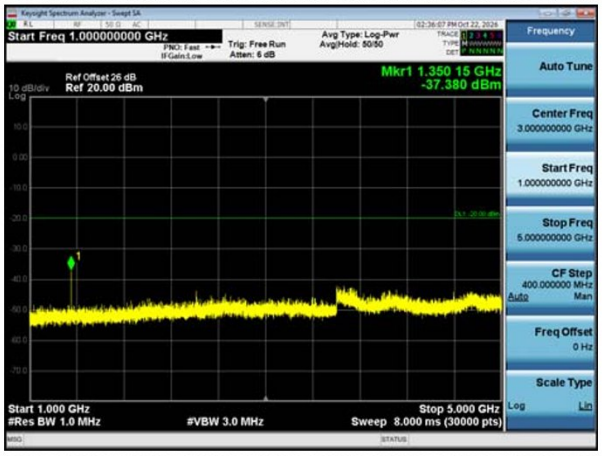
CH6

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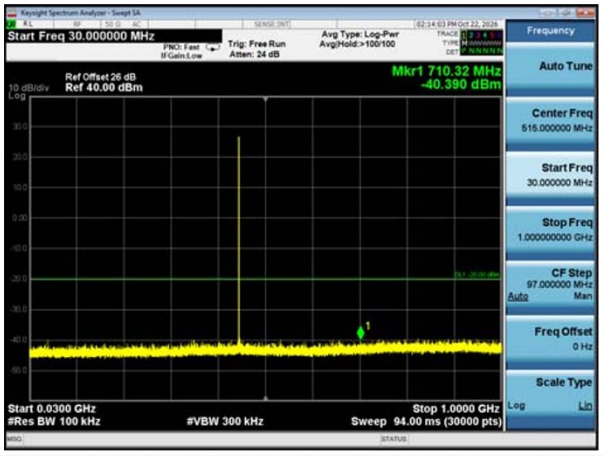
Analog: 12.5K
450-470MHz: LOW

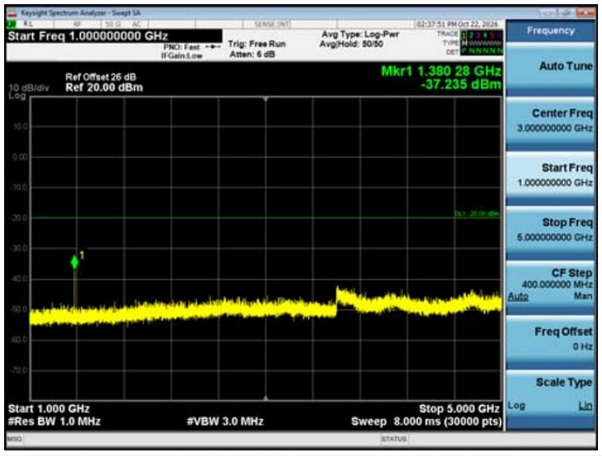
FM



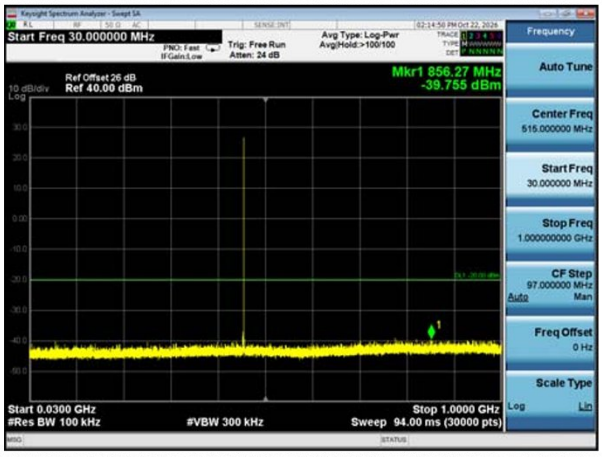


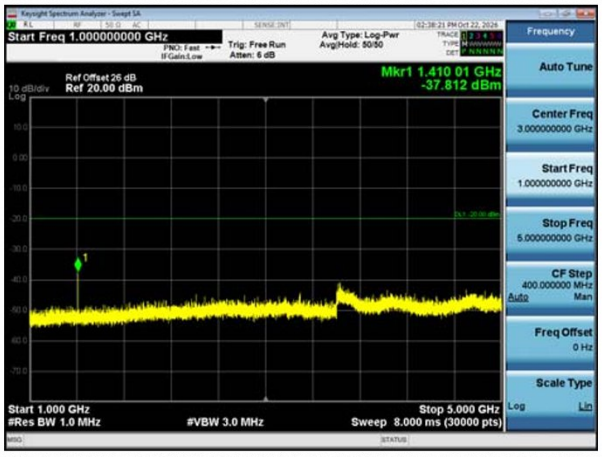
CH10





CH11



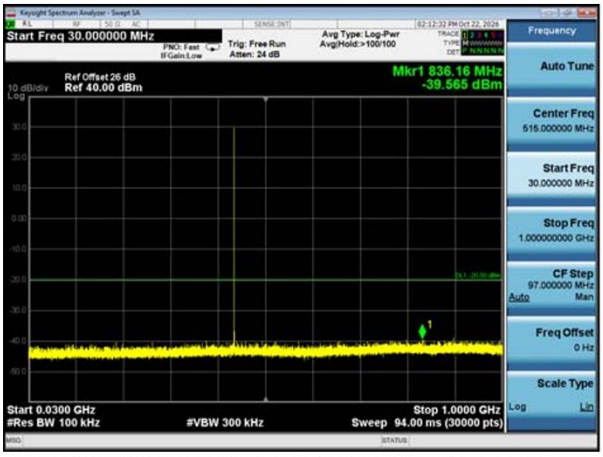


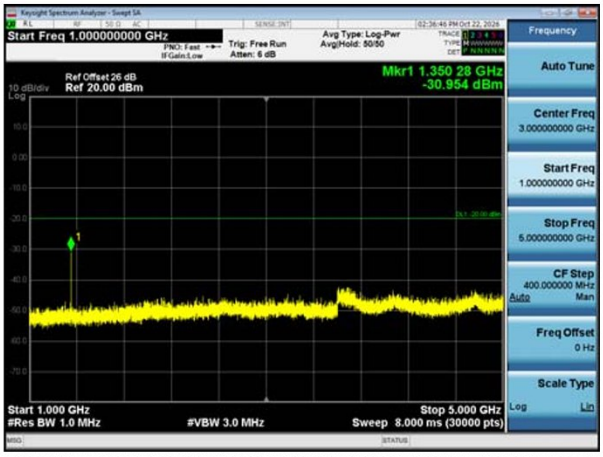
CH12

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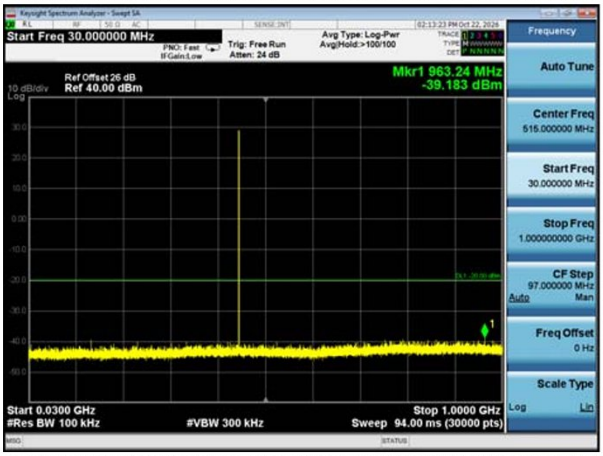
450-470MHz: HIGH

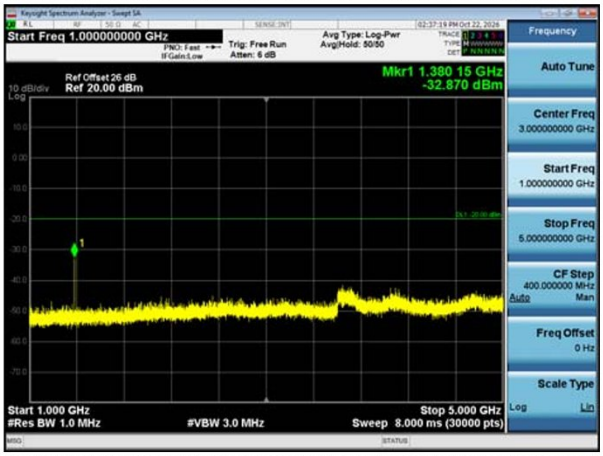
FM



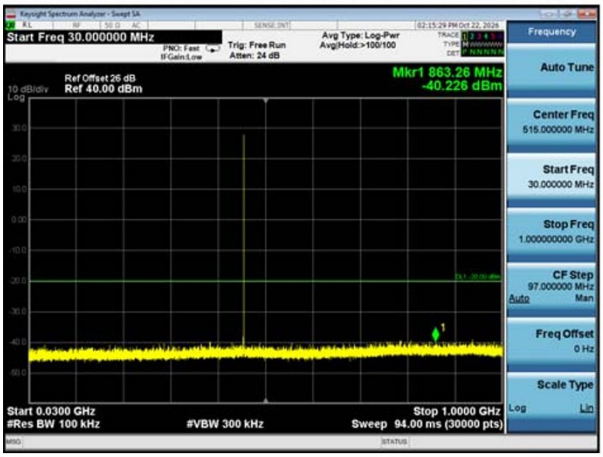


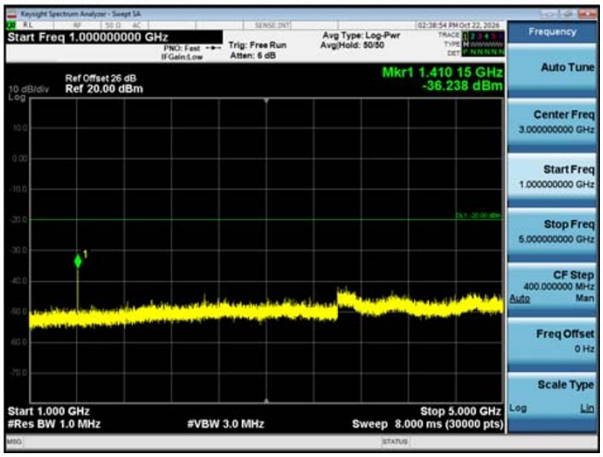
CH10





CH11



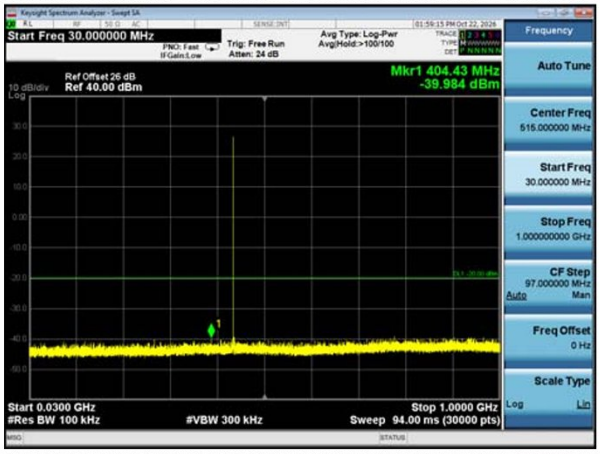


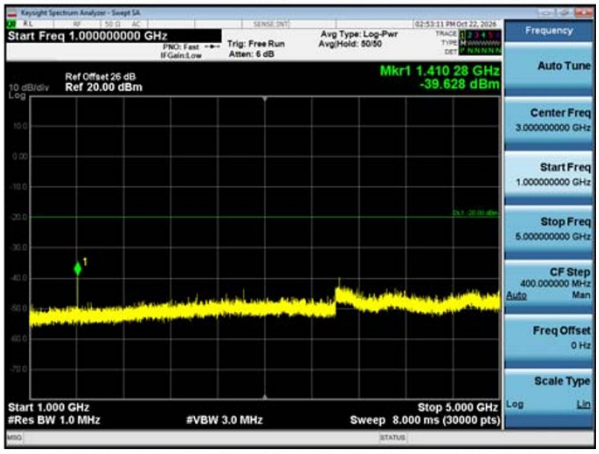
CH12

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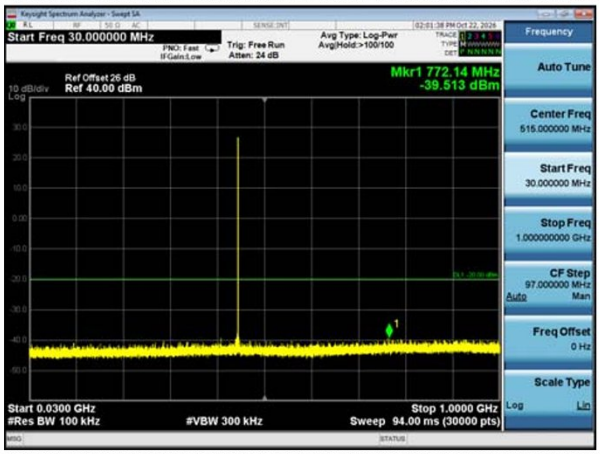
Digital: 12.5K
450-470MHz: LOW

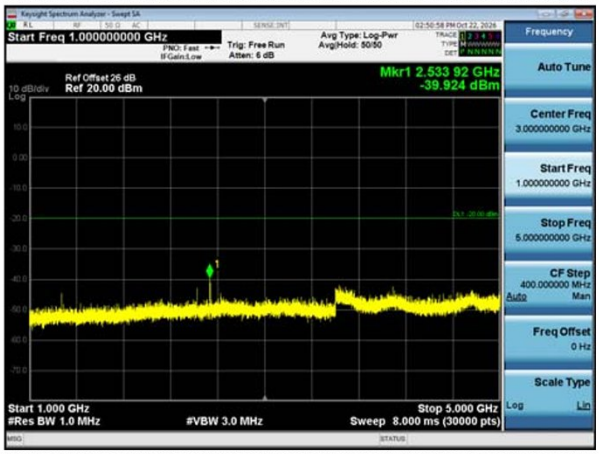
4FSK



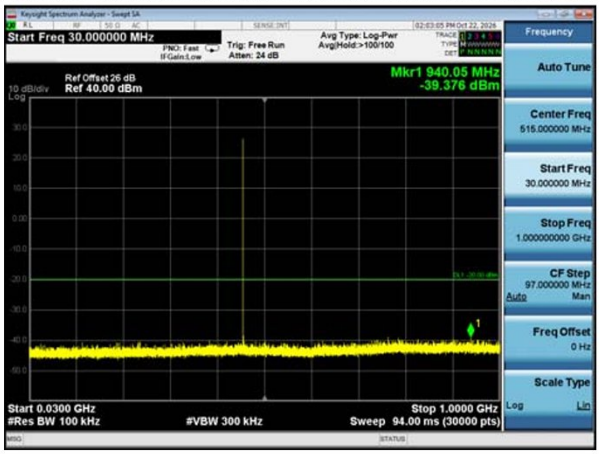


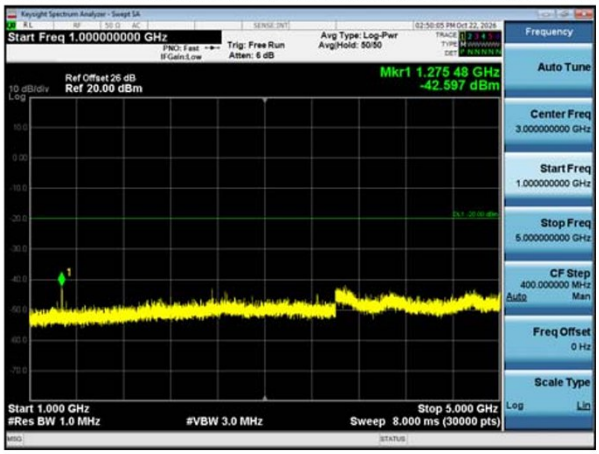
CH10





CH11



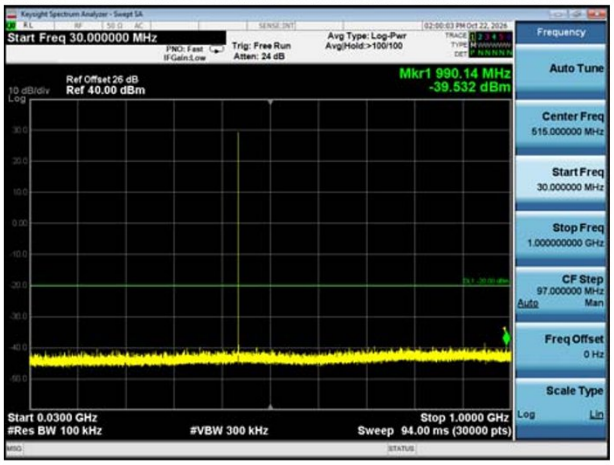


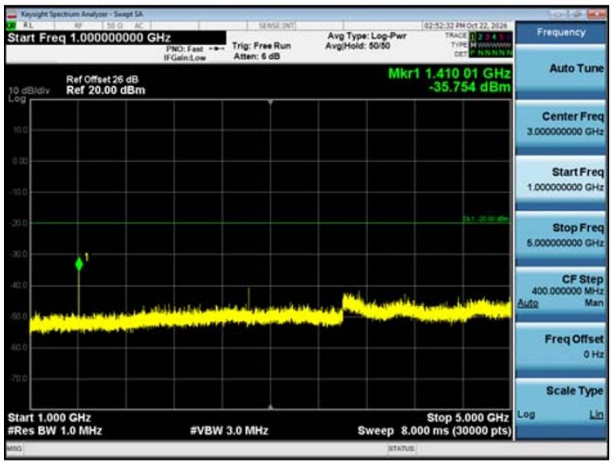
CH12

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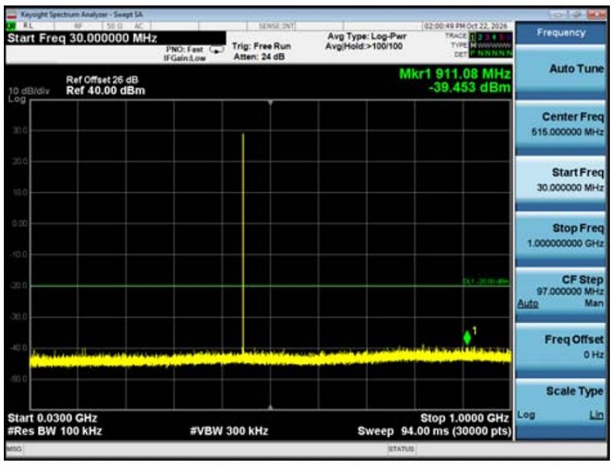
450-470MHz: HIGH

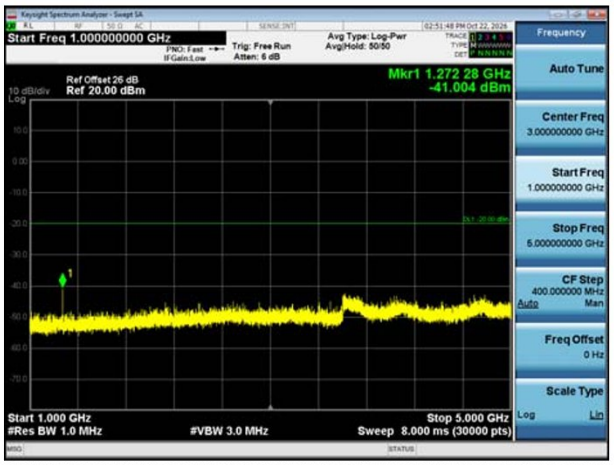
4FSK



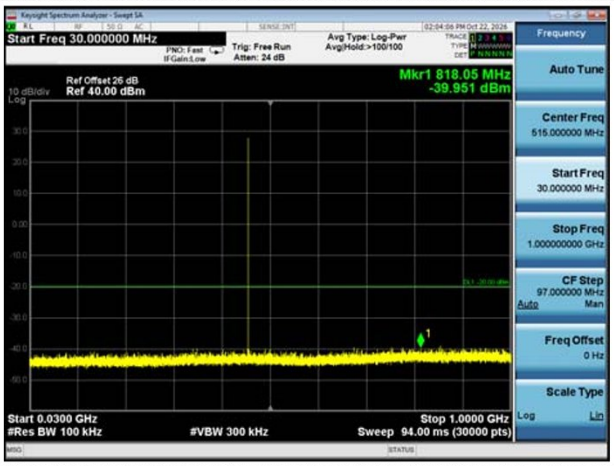


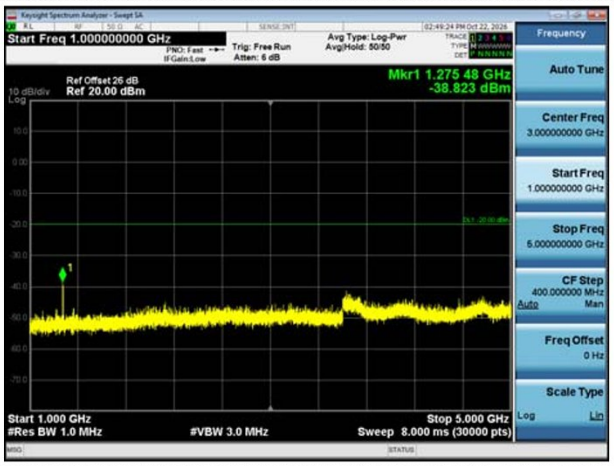
CH10





CH11





CH12

---------End of Test Report---------

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