



REPORT No.: SZ25060347W08

TEST REPORT

APPLICANT : Power Idea Technology
(Shenzhen) Co., Ltd.

PRODUCT NAME : Smartphone

MODEL NAME : PSM06G

BRAND NAME : RugGear

FCC ID : ZLE-PSM06G

STANDARD(S) : 47 CFR Part 2
47 CFR Part 90, Subpart R&S

RECEIPT DATE : 2025-07-04

TEST DATE : 2025-07-28 to 2025-08-21

ISSUE DATE : 2025-10-24



Edited by:

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Approved by:

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Shen Junsheng (Supervisor)

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Change History		
Version	Date	Reason for change
1.0	2025-10-24	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Power Idea Technology (Shenzhen) Co., Ltd.
Applicant Address:	4th Floor, A Section, Languang Science&technology, Xinxi RD, Hi-Tech Industrial Park North, Nanshan, ShenZhen, China
Manufacturer:	Power Idea Technology (Shenzhen) Co., Ltd.
Manufacturer Address:	B1504, 1505, 1506, 1507, Building 9, Zone 2, Shenzhen Bay Science and Technology Ecological Park, No. 3609 Baishi Road, High tech Zone Community, Yuehai Street, Nanshan District, Shenzhen, Guangdong, China

1.2. Equipment Under Test (EUT) Description

Product Name:	Smart Phone	
Sample No.:	2#, 5#	
Hardware Version:	V1	
Software Version:	RG725Plus_ROW_00.00_1_20250611	
Modulation Type:	QPSK, 16QAM	
Operation Band:	Band 14 / 18 / 26	
Frequency Range:	LTE Band 14	Tx: 788MHz-798MHz
		Rx: 758MHz-768MHz
	LTE Band 18	Tx: 815MHz-824MHz
		Rx: 860MHz-869MHz
	LTE Band 26	Tx: 814MHz-824MHz
		Rx: 859MHz-869MHz
Channel Bandwidth	LTE Band 14	5MHz, 10MHz
	LTE Band 18	5MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz
Antenna Type:	PIFA Antenna	
Antenna Gain:	LTE Band 14	-3.20dBi
	LTE Band 18	-2.10dBi
	LTE Band 26	-2.10dBi



Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	BL500IP
	Serial No.:	N/A
	Capacity:	5000mAh
	Rated Voltage:	3.8V
	Charge Limit:	4.35V
	Manufacturer:	JiangxiGuihang New Energy Technology Co., Ltd.
	AC Adapter	
	Brand Name:	N/A
	Model No.:	UC13US
	Serial No.:	N/A
	Rated Output:	5V $\Rightarrow$ 2A
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.5A
	Manufacturer:	Huizhou Juwei Electronics Co., Ltd

Note 1: The EUT description presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information. For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.



1.3. Maximum E.R.P./E.I.R.P. and Emission Designator

LTE Band 14	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.058	0.047	8M98G7D	8M97W7D
5	0.055	0.044	4M50G7D	4M50W7D
LTE Band 18	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
5	0.068	0.055	4M50G7D	4M49W7D
LTE Band 26	Maximum E.R.P./E.I.R.P. (W)		Emission Designator (99%OBW)	
BW(MHz)	QPSK	16QAM	QPSK	16QAM
10	0.075	0.069	8M98G7D	8M96W7D
5	0.081	0.067	4M49G7D	4M49W7D
3	0.082	0.069	2M69G7D	2M69W7D
1.4	0.083	0.070	1M10G7D	1M10W7D



1.4. Test Standards and Results

The objective of the report is to perform testing according to Part 2 and Part 90 for the EUT FCC ID Certification:

No	Identity	Document Title
1	47 CFR Part 2	Frequency Allocations and Radio Treaty Matters; General Rules and Regulations
2	47 CFR Part 90	Miscellaneous Wireless Communications Services

Test detailed items/section required by FCC rules and results are as below:

Section	Description	Test Date	Test Engineer	Result	Remark
2.1046, 90.541(d) 90.635(b)	Transmitter Conducted Output Power and ERP/EIRP	Aug. 21, 2025	Yu Xiaoming Yu Zhizheng Liu Huiyan	PASS _{Note3}	/
2.1049	Occupied Bandwidth	Jul. 28, 2025 to Aug. 01, 2025	Liu Huiyan	PASS	/
2.1055, 90.543	Frequency Stability	Aug. 21, 2025	Liu Huiyan	PASS	/
2.1051, 90.691(a) 90.543(f)	Conducted Spurious Emissions	Jul. 28, 2025 to Aug. 01, 2025	Liu Huiyan	PASS	/
2.1051, 90.691(a) 90.543(e)	Band Edge	Jul. 28, 2025 to Aug. 01, 2025	Liu Huiyan	PASS	/
2.1053, 90.691(a) 90.543(f)	Radiated Spurious Emissions	Aug. 10 to 16, 2025	Gao Jianrou	PASS	/

Note 1: The tests were performed according to the method of measurements prescribed in KDB 971168 D01 v03 and ANSI/TIA-603-E-2016.

Note 2: Any additions, deviation, or exclusions from the method shall be noted in the "Remark".

Note 3: The antenna gain presented in the report are provided by applicant and/or manufacturer, and the test laboratory is not responsible for the accuracy of the information.



1.5. Environmental Conditions

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

Temperature (°C):	15-35
Relative Humidity (%):	30-60
Atmospheric Pressure (kPa):	86-106



2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.

According to FCC section 2.1046(a), for transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in FCC section 2.1033(c)(8).

According to FCC section 90.541(d) for LTE Band 14, the transmitting power of a portable (hand-held) unit must not exceed 3 watts ERP.

According to FCC section 90.635(b) for LTE Band 18/26, the maximum output power of the transmitter for mobile stations is 100 watts.

The diagram shows a measurement setup. A 'System Simulator' block is connected to 'Attenuator 1'. A 'Power Sensor' block is connected via a dashed line to a 'Spectrum Analyzer' block. The 'Spectrum Analyzer' is connected to 'Attenuator 2'. The outputs of both attenuators are connected to a 'Power Splitter'. The output of the 'Power Splitter' is connected to an 'EUT' (Equipment Under Test) block.

The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50 Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.1.3. Test procedure

KDB 971168 D01v03 Section 5.2 and ANSI/TIA-603-E-2016.

$$\text{EIRP (dBm)} = \text{Conducted Output Power (dBm)} + \text{Antenna Gain (dBi)}$$

$$\text{ERP (dBm)} = \text{EIPR (dBm)} - 2.15$$

**2.1.4. Result****Conducted Output Power**

LTE Band 14						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	23330	/
Frequency (MHz)				/	793	/
10	QPSK	1	0	/	22.98	/
10	QPSK	1	25	/	22.78	/
10	QPSK	1	49	/	22.82	/
10	QPSK	25	0	/	22.12	/
10	QPSK	25	12	/	21.81	/
10	QPSK	25	25	/	21.94	/
10	QPSK	50	0	/	21.84	/
10	16QAM	1	0	/	22.06	/
10	16QAM	1	25	/	21.80	/
10	16QAM	1	49	/	21.83	/
10	16QAM	25	0	/	20.99	/
10	16QAM	25	12	/	20.89	/
10	16QAM	25	25	/	20.75	/
10	16QAM	50	0	/	20.81	/



LTE Band 14						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23305	23330	23355
Frequency (MHz)				790.5	793	795.5
5	QPSK	1	0	22.66	22.75	22.73
5	QPSK	1	12	22.59	22.56	22.55
5	QPSK	1	24	22.53	22.60	22.48
5	QPSK	12	0	21.64	21.70	21.61
5	QPSK	12	7	21.58	21.50	21.59
5	QPSK	12	13	21.43	21.63	21.52
5	QPSK	25	0	21.49	21.53	21.46
5	16QAM	1	0	21.69	21.75	21.55
5	16QAM	1	12	21.73	21.49	21.49
5	16QAM	1	24	21.60	21.52	21.46
5	16QAM	12	0	20.61	20.68	20.51
5	16QAM	12	7	20.51	20.58	20.55
5	16QAM	12	13	20.46	20.44	20.38
5	16QAM	25	0	20.53	20.50	20.46



LTE Band 18						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				23875	23895	23915
Frequency (MHz)				817.5	819.5	821.5
5	QPSK	1	0	22.34	22.06	22.38
5	QPSK	1	12	22.33	22.25	22.56
5	QPSK	1	24	22.19	22.35	22.43
5	QPSK	12	0	21.24	21.30	21.21
5	QPSK	12	7	21.12	21.35	21.35
5	QPSK	12	13	21.38	21.17	21.25
5	QPSK	25	0	21.19	21.12	21.40
5	16QAM	1	0	21.67	21.32	21.43
5	16QAM	1	12	21.62	21.31	21.58
5	16QAM	1	24	21.51	21.55	21.41
5	16QAM	12	0	20.39	20.35	20.41
5	16QAM	12	7	20.37	20.40	20.33
5	16QAM	12	13	20.45	20.31	20.37
5	16QAM	25	0	20.38	20.16	20.46



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				/	26740	/
Frequency (MHz)				/	819.0	/
10	QPSK	1	0	/	23.02	/
10	QPSK	1	25	/	22.96	/
10	QPSK	1	49	/	23.02	/
10	QPSK	25	0	/	22.20	/
10	QPSK	25	12	/	21.81	/
10	QPSK	25	25	/	22.20	/
10	QPSK	50	0	/	21.76	/
10	16QAM	1	0	/	22.32	/
10	16QAM	1	25	/	22.62	/
10	16QAM	1	49	/	22.57	/
10	16QAM	25	0	/	21.21	/
10	16QAM	25	12	/	21.54	/
10	16QAM	25	25	/	21.51	/
10	16QAM	50	0	/	21.11	/



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26715	26740	26765
Frequency (MHz)				816.5	819.0	821.5
5	QPSK	1	0	23.32	23.22	23.16
5	QPSK	1	12	23.13	23.24	23.21
5	QPSK	1	24	23.06	23.14	22.81
5	QPSK	12	0	22.15	21.99	22.21
5	QPSK	12	7	22.01	22.13	22.03
5	QPSK	12	13	22.01	21.98	22.32
5	QPSK	25	0	22.21	22.23	21.47
5	16QAM	1	0	22.20	22.33	22.16
5	16QAM	1	12	21.95	22.41	22.39
5	16QAM	1	24	22.23	22.52	19.87
5	16QAM	12	0	21.13	20.82	21.11
5	16QAM	12	7	21.23	21.52	21.22
5	16QAM	12	13	21.15	21.57	21.20
5	16QAM	25	0	21.16	21.02	21.33



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26705	26740	26775
Frequency (MHz)				815.5	819.0	822.5
3	QPSK	1	0	22.67	22.92	23.09
3	QPSK	1	8	23.18	23.39	23.39
3	QPSK	1	14	23.04	23.22	23.38
3	QPSK	8	0	22.18	22.21	22.13
3	QPSK	8	4	22.05	22.07	22.35
3	QPSK	8	7	22.15	22.19	22.40
3	QPSK	15	0	22.22	22.08	22.25
3	16QAM	1	0	22.52	22.25	20.93
3	16QAM	1	8	22.61	22.09	22.32
3	16QAM	1	14	22.19	22.37	22.24
3	16QAM	8	0	21.60	21.49	21.53
3	16QAM	8	4	21.55	21.45	21.43
3	16QAM	8	7	22.17	21.25	21.36
3	16QAM	15	0	20.12	21.28	21.18



LTE Band 26						
BW [MHz]	Modulation	RB Size	RB Offset	Average Power Low Ch. / Freq.	Average Power Middle Ch. / Freq.	Average Power High Ch. / Freq.
Channel				26697	26740	26783
Frequency (MHz)				814.7	819.0	823.3
1.4	QPSK	1	0	23.23	23.19	22.81
1.4	QPSK	1	3	23.09	23.46	23.42
1.4	QPSK	1	5	23.28	23.15	22.98
1.4	QPSK	3	0	23.01	23.08	22.75
1.4	QPSK	3	1	22.81	23.40	23.06
1.4	QPSK	3	3	23.13	22.78	23.14
1.4	QPSK	6	0	21.87	21.77	22.17
1.4	16QAM	1	0	22.31	22.44	22.05
1.4	16QAM	1	3	22.56	22.47	22.54
1.4	16QAM	1	5	22.71	21.56	22.61
1.4	16QAM	3	0	21.95	22.37	22.19
1.4	16QAM	3	1	22.05	22.07	22.21
1.4	16QAM	3	3	22.43	22.21	22.20
1.4	16QAM	6	0	19.52	21.22	21.11

**Effective Radiated Power and Effective Isotropic Radiated Power**

LTE Band 14				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				/		23330		/	
Frequency (MHz)				/		793		/	
				/	/	dBm	W	/	/
10	QPSK	1	0	/	/	18.77	0.075	/	/
10	QPSK	1	25	/	/	18.71	0.074	/	/
10	QPSK	1	49	/	/	18.77	0.075	/	/
10	QPSK	25	0	/	/	17.95	0.062	/	/
10	QPSK	25	12	/	/	17.56	0.057	/	/
10	QPSK	25	25	/	/	17.95	0.062	/	/
10	QPSK	50	0	/	/	17.51	0.056	/	/
10	16QAM	1	0	/	/	18.07	0.064	/	/
10	16QAM	1	25	/	/	18.37	0.069	/	/
10	16QAM	1	49	/	/	18.32	0.068	/	/
10	16QAM	25	0	/	/	16.96	0.050	/	/
10	16QAM	25	12	/	/	17.29	0.054	/	/
10	16QAM	25	25	/	/	17.26	0.053	/	/
10	16QAM	50	0	/	/	16.86	0.049	/	/



LTE Band 14				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23305		23330		23355	
Frequency (MHz)				790.5		793		795.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.07	0.081	18.97	0.079	18.91	0.078
5	QPSK	1	12	18.88	0.077	18.99	0.079	18.96	0.079
5	QPSK	1	24	18.81	0.076	18.89	0.077	18.56	0.072
5	QPSK	12	0	17.90	0.062	17.74	0.059	17.96	0.063
5	QPSK	12	7	17.76	0.060	17.88	0.061	17.78	0.060
5	QPSK	12	13	17.76	0.060	17.73	0.059	18.07	0.064
5	QPSK	25	0	17.96	0.063	17.98	0.063	17.22	0.053
5	16QAM	1	0	17.95	0.062	18.08	0.064	17.91	0.062
5	16QAM	1	12	17.70	0.059	18.16	0.065	18.14	0.065
5	16QAM	1	24	17.98	0.063	18.27	0.067	15.62	0.036
5	16QAM	12	0	16.88	0.049	16.57	0.045	16.86	0.049
5	16QAM	12	7	16.98	0.050	17.27	0.053	16.97	0.050
5	16QAM	12	13	16.90	0.049	17.32	0.054	16.95	0.050
5	16QAM	25	0	16.91	0.049	16.77	0.048	17.08	0.051



LTE Band 18				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26715		26740		26765	
Frequency (MHz)				816.5		819.0		821.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.42	0.070	18.67	0.074	18.84	0.077
5	QPSK	1	12	18.93	0.078	19.14	0.082	19.14	0.082
5	QPSK	1	24	18.79	0.076	18.97	0.079	19.13	0.082
5	QPSK	12	0	17.93	0.062	17.96	0.063	17.88	0.061
5	QPSK	12	7	17.80	0.060	17.82	0.061	18.10	0.065
5	QPSK	12	13	17.90	0.062	17.94	0.062	18.15	0.065
5	QPSK	25	0	17.97	0.063	17.83	0.061	18.00	0.063
5	16QAM	1	0	18.27	0.067	18.00	0.063	16.68	0.047
5	16QAM	1	12	18.36	0.069	17.84	0.061	18.07	0.064
5	16QAM	1	24	17.94	0.062	18.12	0.065	17.99	0.063
5	16QAM	12	0	17.35	0.054	17.24	0.053	17.28	0.053
5	16QAM	12	7	17.30	0.054	17.20	0.052	17.18	0.052
5	16QAM	12	13	17.92	0.062	17.00	0.050	17.11	0.051
5	16QAM	25	0	15.87	0.039	17.03	0.050	16.93	0.049



LTE Band 26				Measured E.R.P.			
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.	Middle Ch. / Freq.		High Ch. / Freq.
Channel				/	26740		/
Frequency (MHz)				/	819		/
				/	dBm	W	/
10	QPSK	1	0	/	19.42	0.087	/
10	QPSK	1	25	/	19.33	0.086	/
10	QPSK	1	49	/	19.39	0.087	/
10	QPSK	25	0	/	18.41	0.069	/
10	QPSK	25	12	/	18.51	0.071	/
10	QPSK	25	25	/	18.48	0.070	/
10	QPSK	50	0	/	18.40	0.069	/
10	16QAM	1	0	/	18.53	0.071	/
10	16QAM	1	25	/	18.65	0.073	/
10	16QAM	1	49	/	18.46	0.070	/
10	16QAM	25	0	/	17.67	0.058	/
10	16QAM	25	12	/	17.43	0.055	/
10	16QAM	25	25	/	17.46	0.056	/
10	16QAM	50	0	/	17.64	0.058	/
10	64QAM	1	0	/	17.40	0.055	/
10	64QAM	1	25	/	17.64	0.058	/
10	64QAM	1	49	/	17.64	0.058	/
10	64QAM	25	0	/	16.77	0.048	/
10	64QAM	25	12	/	16.44	0.044	/
10	64QAM	25	25	/	16.36	0.043	/
10	64QAM	50	0	/	16.54	0.045	/



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26715		26740		26765	
Frequency (MHz)				816.5		819.0		821.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	19.07	0.081	18.97	0.079	18.91	0.078
5	QPSK	1	12	18.88	0.077	18.99	0.079	18.96	0.079
5	QPSK	1	24	18.81	0.076	18.89	0.077	18.56	0.072
5	QPSK	12	0	17.90	0.062	17.74	0.059	17.96	0.063
5	QPSK	12	7	17.76	0.060	17.88	0.061	17.78	0.060
5	QPSK	12	13	17.76	0.060	17.73	0.059	18.07	0.064
5	QPSK	25	0	17.96	0.063	17.98	0.063	17.22	0.053
5	16QAM	1	0	17.95	0.062	18.08	0.064	17.91	0.062
5	16QAM	1	12	17.70	0.059	18.16	0.065	18.14	0.065
5	16QAM	1	24	17.98	0.063	18.27	0.067	15.62	0.036
5	16QAM	12	0	16.88	0.049	16.57	0.045	16.86	0.049
5	16QAM	12	7	16.98	0.050	17.27	0.053	16.97	0.050
5	16QAM	12	13	16.90	0.049	17.32	0.054	16.95	0.050
5	16QAM	25	0	16.91	0.049	16.77	0.048	17.08	0.051
5	64QAM	1	0	19.07	0.081	18.97	0.079	18.91	0.078
5	64QAM	1	12	18.88	0.077	18.99	0.079	18.96	0.079
5	64QAM	1	24	18.81	0.076	18.89	0.077	18.56	0.072
5	64QAM	12	0	17.90	0.062	17.74	0.059	17.96	0.063
5	64QAM	12	7	17.76	0.060	17.88	0.061	17.78	0.060
5	64QAM	12	13	17.76	0.060	17.73	0.059	18.07	0.064
5	64QAM	25	0	17.96	0.063	17.98	0.063	17.22	0.053



LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26705		26740		26775	
Frequency (MHz)				815.5		819.0		822.5	
				dBm	W	dBm	W	dBm	W
3	QPSK	1	0	18.42	0.070	18.67	0.074	18.84	0.077
3	QPSK	1	8	18.93	0.078	19.14	0.082	19.14	0.082
3	QPSK	1	14	18.79	0.076	18.97	0.079	19.13	0.082
3	QPSK	8	0	17.93	0.062	17.96	0.063	17.88	0.061
3	QPSK	8	4	17.80	0.060	17.82	0.061	18.10	0.065
3	QPSK	8	7	17.90	0.062	17.94	0.062	18.15	0.065
3	QPSK	15	0	17.97	0.063	17.83	0.061	18.00	0.063
3	16QAM	1	0	18.27	0.067	18.00	0.063	16.68	0.047
3	16QAM	1	8	18.36	0.069	17.84	0.061	18.07	0.064
3	16QAM	1	14	17.94	0.062	18.12	0.065	17.99	0.063
3	16QAM	8	0	17.35	0.054	17.24	0.053	17.28	0.053
3	16QAM	8	4	17.30	0.054	17.20	0.052	17.18	0.052
3	16QAM	8	7	17.92	0.062	17.00	0.050	17.11	0.051
3	16QAM	15	0	15.87	0.039	17.03	0.050	16.93	0.049



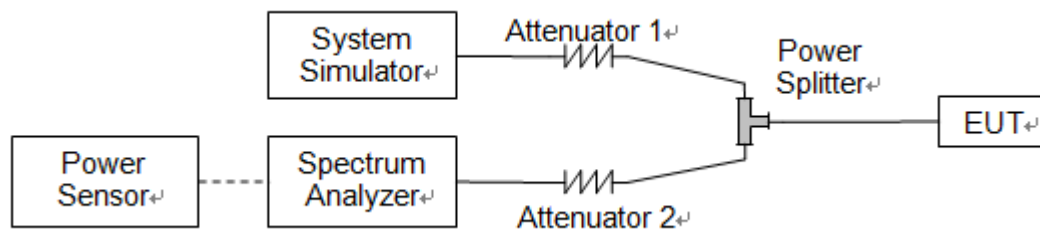
LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26697		26740		26783	
Frequency (MHz)				814.7		819.0		823.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	18.98	0.079	18.94	0.078	18.56	0.072
1.4	QPSK	1	3	18.84	0.077	19.21	0.083	19.17	0.083
1.4	QPSK	1	5	19.03	0.080	18.90	0.078	18.73	0.075
1.4	QPSK	3	0	18.76	0.075	18.83	0.076	18.50	0.071
1.4	QPSK	3	1	18.56	0.072	19.15	0.082	18.81	0.076
1.4	QPSK	3	3	18.88	0.077	18.53	0.071	18.89	0.077
1.4	QPSK	6	0	17.62	0.058	17.52	0.056	17.92	0.062
1.4	16QAM	1	0	18.06	0.064	18.19	0.066	17.80	0.060
1.4	16QAM	1	3	18.31	0.068	18.22	0.066	18.29	0.067
1.4	16QAM	1	5	18.46	0.070	17.31	0.054	18.36	0.069
1.4	16QAM	3	0	17.70	0.059	18.12	0.065	17.94	0.062
1.4	16QAM	3	1	17.80	0.060	17.82	0.061	17.96	0.063
1.4	16QAM	3	3	18.18	0.066	17.96	0.063	17.95	0.062
1.4	16QAM	6	0	15.27	0.034	16.97	0.050	16.86	0.049

2.2. Occupied Bandwidth

2.2.1. Requirement

According to FCC section 2.1049, the occupied bandwidth is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission. Occupied bandwidth is also known as the 99% emission bandwidth.

2.2.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.2.3. Test procedure

KDB 971168 D01v03 Section 4.1 and ANSI/TIA-603-E-2016.

**2.2.4. Test Result**

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B14	5	Low	23305	790.5	QPSK	4.4991	5.1814	PASS
B14	5	Low	23305	790.5	16QAM	4.4970	5.1103	PASS
B14	5	Mid	23330	793	QPSK	4.4933	5.1576	PASS
B14	5	Mid	23330	793	16QAM	4.4965	5.1624	PASS
B14	5	High	23355	795.5	QPSK	4.4981	5.1765	PASS
B14	5	High	23355	795.5	16QAM	4.4991	5.1131	PASS
B14	10	Mid	23330	793	QPSK	8.9777	10.1184	PASS
B14	10	Mid	23330	793	16QAM	8.9693	9.9115	PASS

LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B18 part90	5	Low	23875	817.5	QPSK	4.4971	5.0521	PASS
B18 part90	5	Low	23875	817.5	16QAM	4.4888	5.1251	PASS
B18 part90	5	Mid	23895	819.5	QPSK	4.4989	5.1000	PASS
B18 part90	5	Mid	23895	819.5	16QAM	4.4902	5.0876	PASS
B18 part90	5	High	23915	821.5	QPSK	4.4922	5.0365	PASS
B18 part90	5	High	23915	821.5	16QAM	4.4940	5.0608	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B26 Part90	1.4	Low	26697	814.7	16QAM	1.0982	1.2894	PASS
B26 Part90	1.4	Low	26697	814.7	QPSK	1.0958	1.2721	PASS
B26 Part90	1.4	Mid	26740	819	16QAM	1.0983	1.2967	PASS
B26 Part90	1.4	Mid	26740	819	QPSK	1.0947	1.2833	PASS
B26 Part90	1.4	High	26783	823.3	16QAM	1.0982	1.2762	PASS
B26 Part90	1.4	High	26783	823.3	QPSK	1.0952	1.2815	PASS
B26 Part90	3	Low	26705	815.5	16QAM	2.6892	2.9297	PASS
B26 Part90	3	Low	26705	815.5	QPSK	2.6885	2.9204	PASS
B26 Part90	3	Mid	26740	819	16QAM	2.6944	2.9385	PASS
B26 Part90	3	Mid	26740	819	QPSK	2.6900	2.9130	PASS
B26 Part90	3	High	26775	822.5	16QAM	2.6938	2.9288	PASS
B26 Part90	3	High	26775	822.5	QPSK	2.6904	2.9269	PASS
B26 Part90	5	Low	26715	816.5	16QAM	4.4852	4.8689	PASS
B26 Part90	5	Low	26715	816.5	QPSK	4.4875	4.8566	PASS
B26 Part90	5	Mid	26740	819	16QAM	4.4877	4.8813	PASS
B26 Part90	5	Mid	26740	819	QPSK	4.4839	4.8792	PASS
B26 Part90	5	High	26765	821.5	16QAM	4.4850	4.8511	PASS
B26	5	High	26765	821.5	QPSK	4.4856	4.8904	PASS



REPORT No.: SZ25060347W08

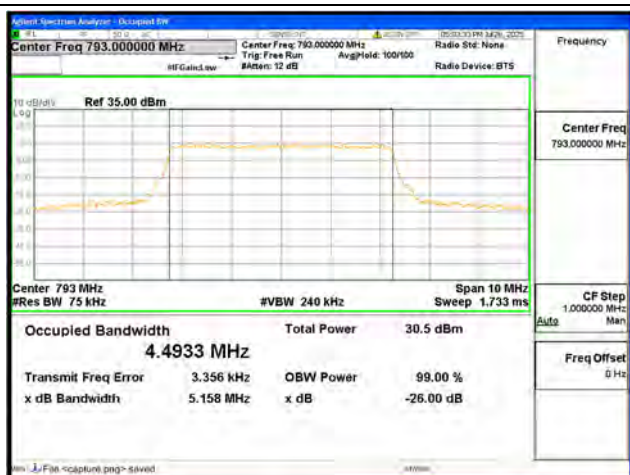
Part90								
B26 Part90	10	Low	26740	819	16QAM	8.9627	9.5999	PASS
B26 Part90	10	Low	26740	819	QPSK	8.9818	9.6817	PASS
B26 Part90	10	Mid	26740	819	16QAM	8.9584	9.6474	PASS
B26 Part90	10	Mid	26740	819	QPSK	8.9752	9.6667	PASS
B26 Part90	10	High	26740	819	16QAM	8.9468	9.6549	PASS
B26 Part90	10	High	26740	819	QPSK	8.9601	9.6048	PASS



B14 / 5MHz / QPSK/ Low CH



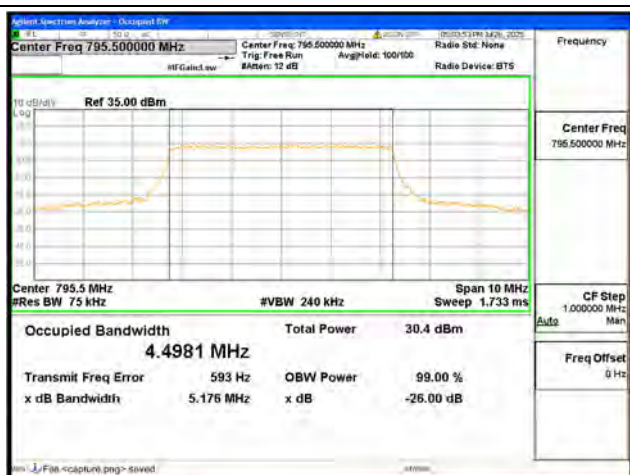
B14 / 5MHz / 16QAM/ Low CH



B14 / 5MHz / QPSK/ Mid CH



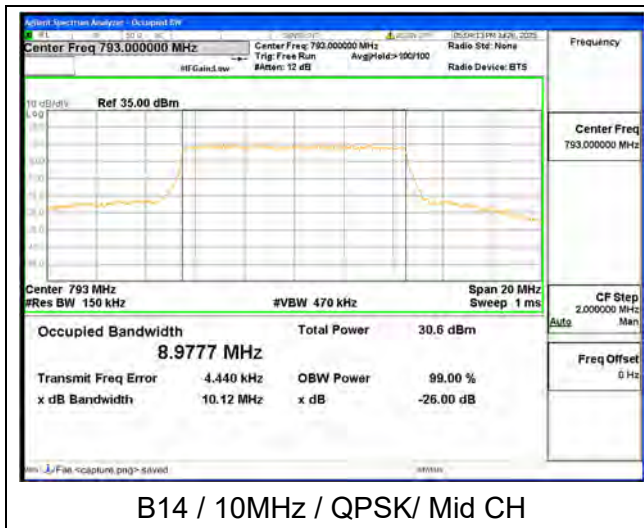
B14 / 5MHz / 16QAM/ Mid CH



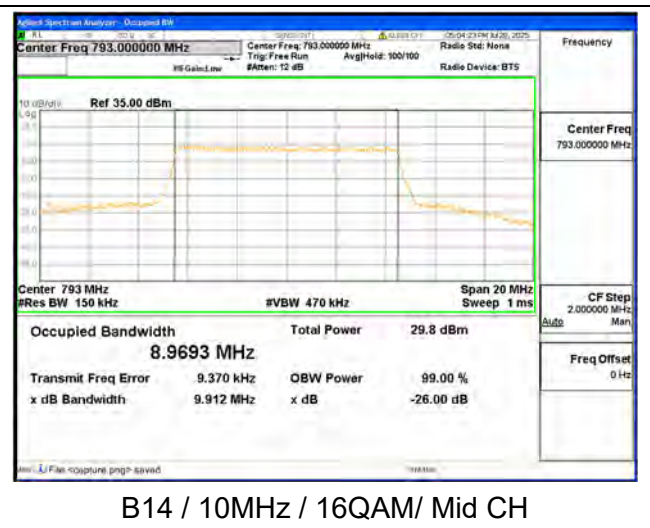
B14 / 5MHz / QPSK/ High CH



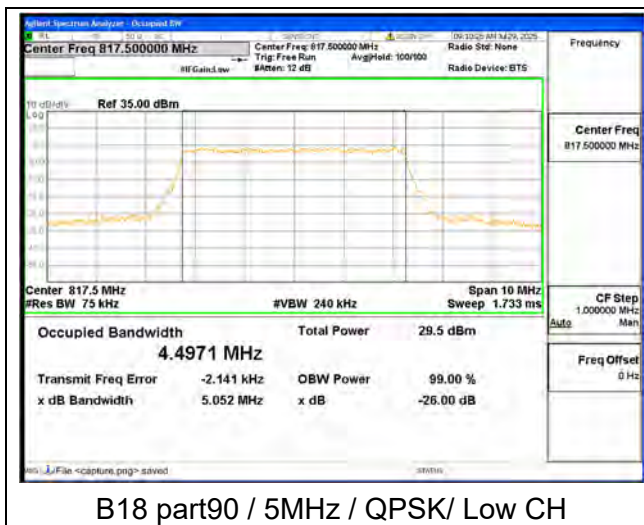
B14 / 5MHz / 16QAM/ High CH



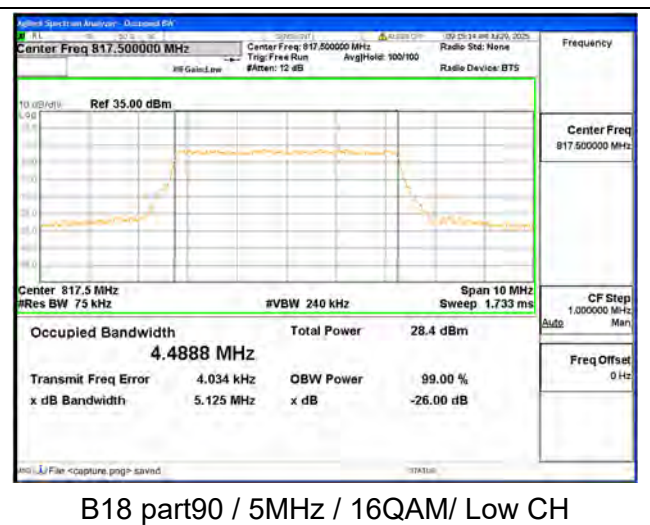
B14 / 10MHz / QPSK/ Mid CH



B14 / 10MHz / 16QAM/ Mid CH



B18 part90 / 5MHz / QPSK/ Low CH



B18 part90 / 5MHz / 16QAM/ Low CH



B18 part90 / 5MHz / QPSK/ Mid CH



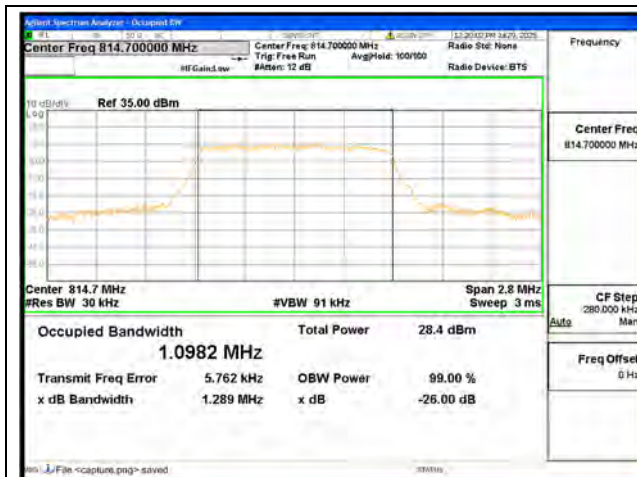
B18 part90 / 5MHz / 16QAM/ Mid CH



B18 part90 / 5MHz / QPSK/ High CH



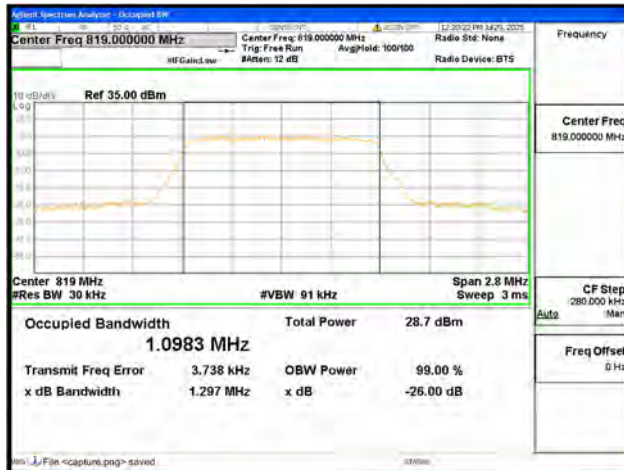
B18 part90 / 5MHz / 16QAM/ High CH



B26 Part90 / 1.4MHz / 16QAM/ Low CH



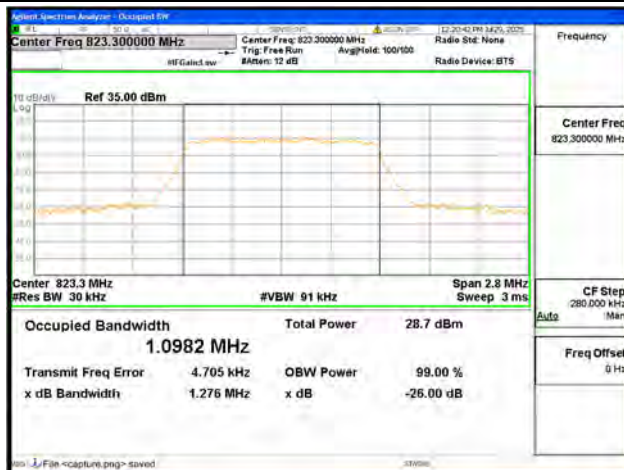
B26 Part90 / 1.4MHz / QPSK/ Low CH



B26 Part90 / 1.4MHz / 16QAM/ Mid CH



B26 Part90 / 1.4MHz / QPSK/ Mid CH



B26 Part90 / 1.4MHz / 16QAM/ High CH



B26 Part90 / 1.4MHz / QPSK/ High CH



B26 Part90 / 3MHz / 16QAM/ Low CH



B26 Part90 / 3MHz / QPSK/ Low CH



B26 Part90 / 3MHz / 16QAM/ Mid CH



B26 Part90 / 3MHz / QPSK/ Mid CH



B26 Part90 / 3MHz / 16QAM/ High CH



B26 Part90 / 3MHz / QPSK/ High CH



B26 Part90 / 5MHz / 16QAM/ Low CH



B26 Part90 / 5MHz / QPSK/ Low CH



B26 Part90 / 5MHz / 16QAM/ Mid CH



B26 Part90 / 5MHz / QPSK/ Mid CH



B26 Part90 / 5MHz / 16QAM/ High CH



B26 Part90 / 5MHz / QPSK/ High CH



B26 Part90 / 10MHz / 16QAM/ Low CH



B26 Part90 / 10MHz / QPSK/ Low CH



B26 Part90 / 10MHz / 16QAM/ Mid CH



B26 Part90 / 10MHz / QPSK/ Mid CH



B26 Part90 / 10MHz / 16QAM/ High CH



B26 Part90 / 10MHz / QPSK/ High CH

2.3. Frequency Stability

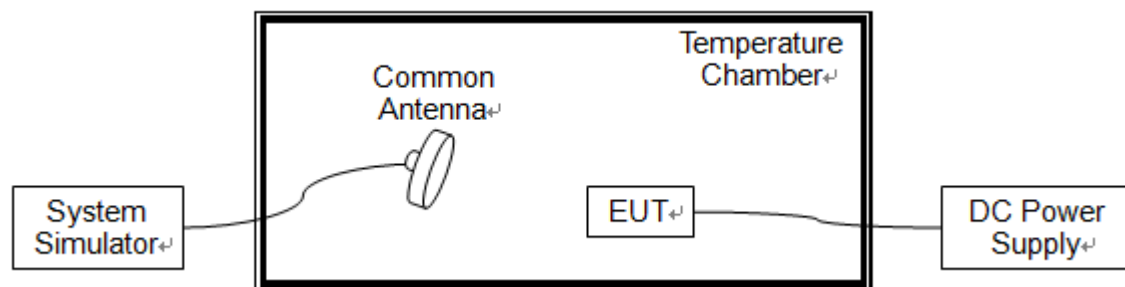
2.3.1. Requirement

According to FCC section 2.1055 & 90.213, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block. According to FCC section 2.1055, the test conditions are:

- (a) The temperature is varied from -30°C to +50°C at intervals of not more than 10°C.
- (b) For hand carried battery powered equipment, the primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacture. The supply voltage shall be measured at the input to the cable normally provided with the equipment, or at the power supply terminals if cables are not normally provided.

Note: The operating temperature of EUT is from -20°C to 50°C, which are specified by the applicant.

2.3.2. Test Description



The EUT which is powered by the DC Power Supply directly, is located in the Temperature Chamber. The EUT is commanded by the System Simulator (SS) to operate at the maximum output power. A call is established between the EUT and the SS via a Common Antenna.

2.3.3. Test procedure

KDB 971168 D01v03 Section 9.0 and ANSI/TIA-603-E-2016.

**2.3.4. Test Result**

The nominal, highest and lowest extreme voltages are separately 3.80V, 4.35V and 3.00V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 14, 16QAM, Channel 23330, Frequency 793.0MHz					
Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	18	0.023	PASS
Normal		+20	-1	-0.001	
Normal		-10	16	0.020	
Normal		0	13	0.016	
Normal		+10	15	0.019	
Normal		+20	20	0.025	
Normal		+30	-15	-0.019	
Normal		+40	23	0.029	
Normal		+50	-7	-0.009	
High	4.35	+20	14	0.018	
BATT.ENDPOINT	3.00	+20	17	0.021	

LTE Band 18, 16QAM, Channel 23895, Frequency 819.5MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-10	-0.012	PASS
Normal		+20	20	0.024	
Normal		-10	-11	-0.013	
Normal		0	19	0.023	
Normal		+10	-18	-0.022	
Normal		+20	-5	-0.006	
Normal		+30	16	0.020	
Normal		+40	3	0.004	
Normal		+50	15	0.018	
High	4.35	+20	18	0.022	



BATT.ENDPOINT	3.00	+20	18	0.022	
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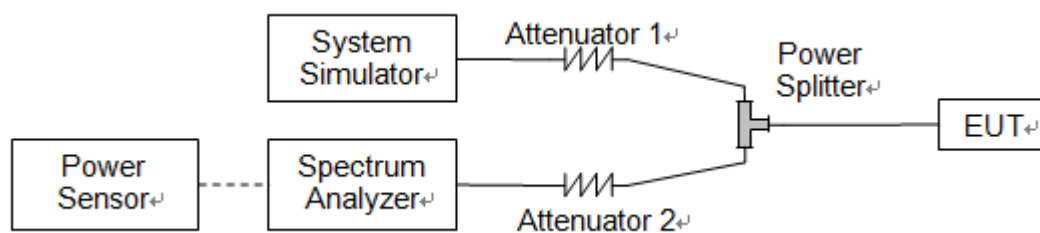
LTE Band 26, 16QAM, Channel 26740, Frequency 819MHz Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	16	0.020	PASS
Normal		+20	21	0.026	
Normal		-10	-7	-0.009	
Normal		0	13	0.016	
Normal		+10	20	0.024	
Normal		+20	-5	-0.006	
Normal		+30	16	0.020	
Normal		+40	-6	-0.007	
Normal		+50	19	0.023	
High		+20	5	0.006	
BATT.ENDPOINT	3.00	+20	17	0.021	

2.4. Conducted Spurious Emissions

2.4.1. Requirement

According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm.

2.4.2. Test Description



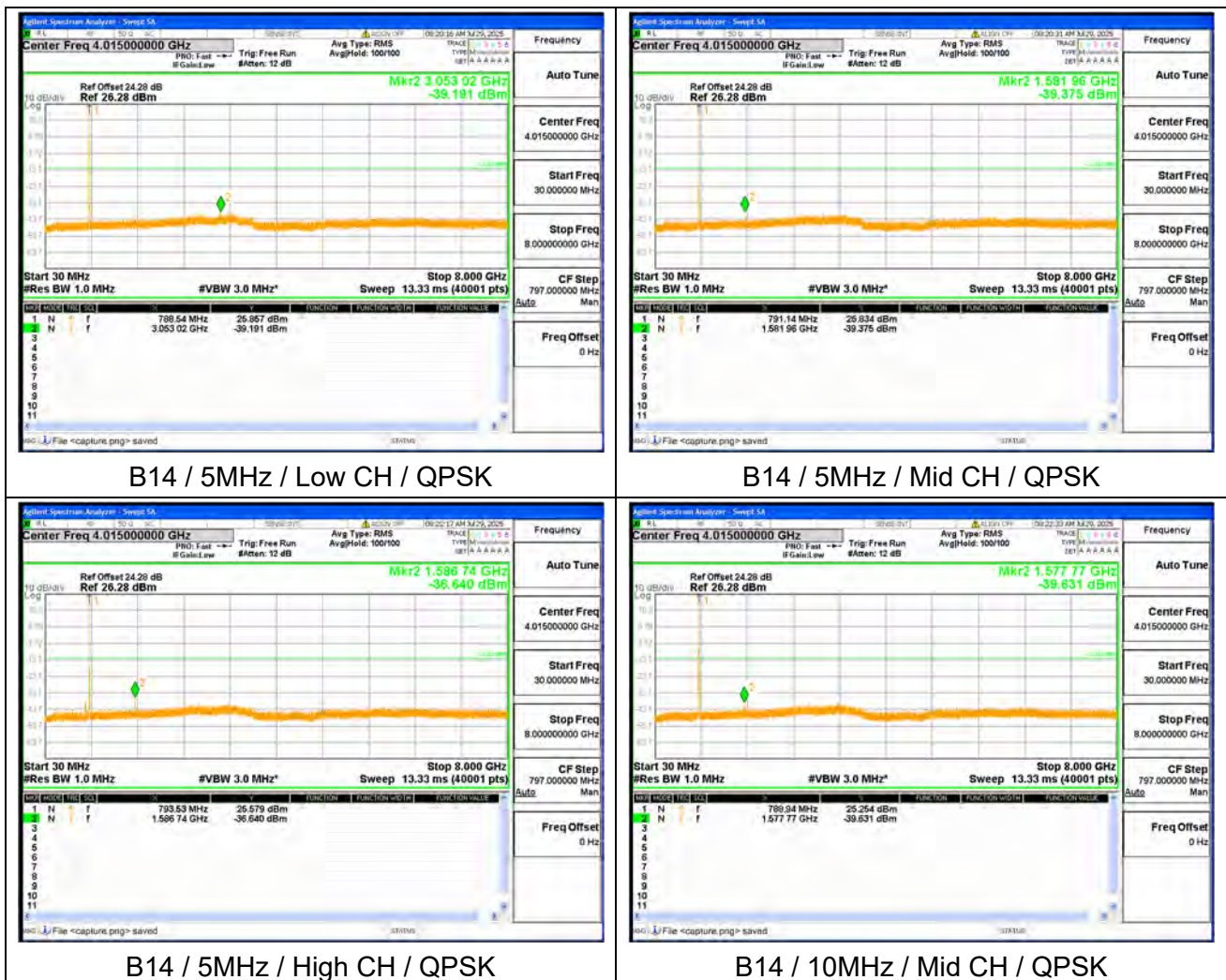
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

2.4.3. Test procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.



2.4.4. Test Result

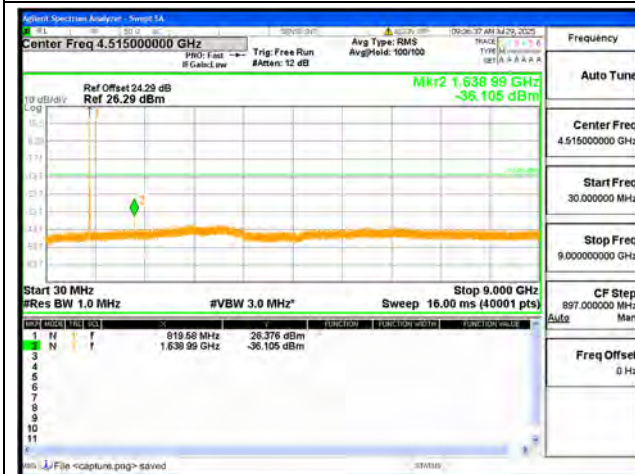




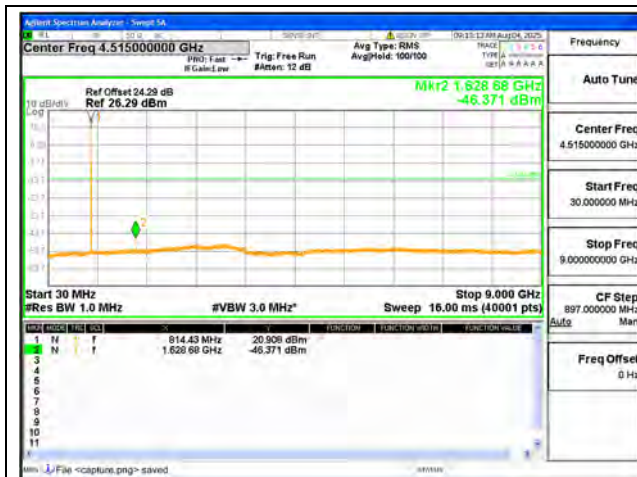
B18 part90 / 5MHz / Low CH / QPSK



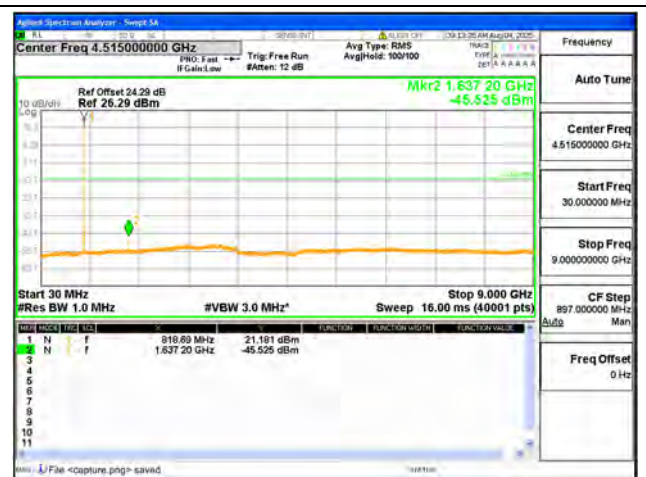
B18 part90 / 5MHz / Mid CH / QPSK



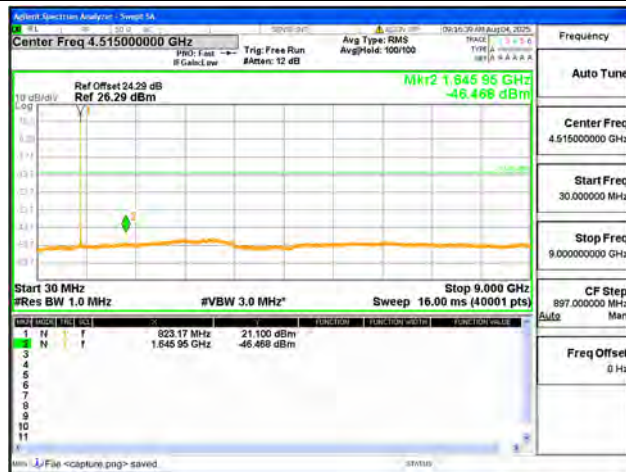
B18 part90 / 5MHz / High CH / QPSK



B26 Part90 / 1.4MHz / Low CH / QPSK



B26 Part90 / 1.4MHz / Mid CH / QPSK



B26 Part90 / 1.4MHz / High CH / QPSK



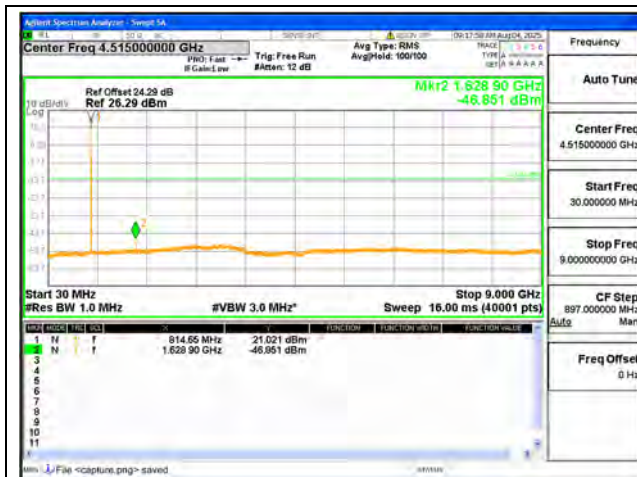
B26 Part90 / 3MHz / Low CH / QPSK



B26 Part90 / 3MHz / Mid CH / QPSK



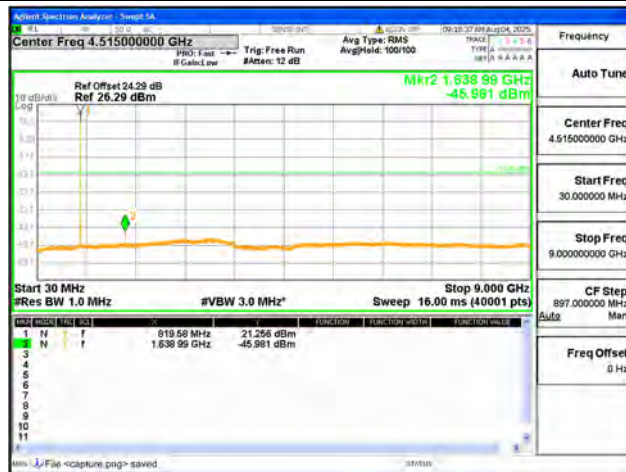
B26 Part90 / 3MHz / High CH / QPSK



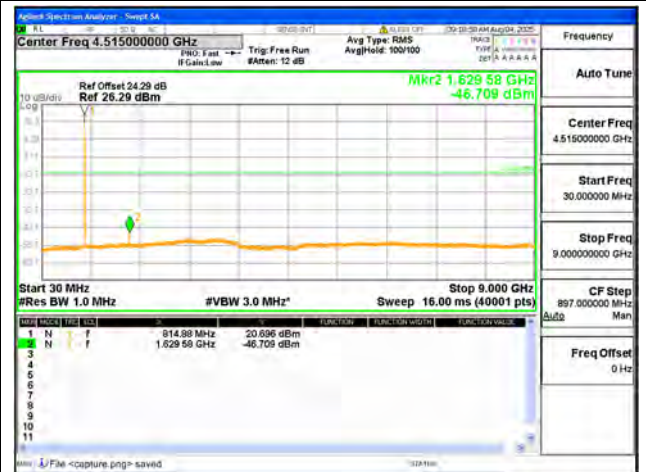
B26 Part90 / 5MHz / Low CH / QPSK



B26 Part90 / 5MHz / Mid CH / QPSK



B26 Part90 / 5MHz / High CH / QPSK



B26 Part90 / 10MHz / Low CH / QPSK



B26 Part90 / 10MHz / Mid CH / QPSK



B26 Part90 / 10MHz / High CH / QPSK



2.5. Band Edge

2.5.1. Requirement

Band 14

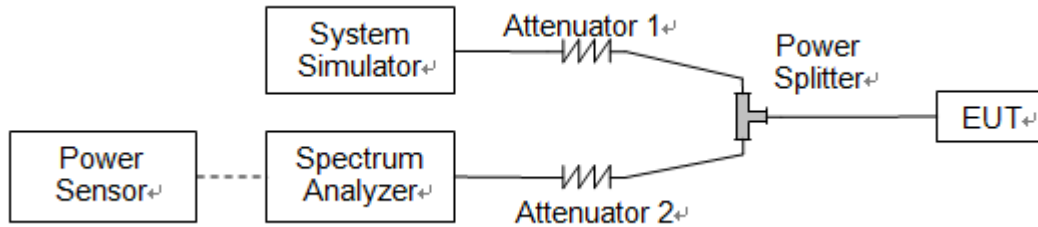
According to FCC section 90.543(e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On all frequencies between 769-775 MHz and 799-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations.
- (2) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.
- (3) Compliance with the provisions of paragraphs (e)(1) and (2) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
- (4) Compliance with the provisions of paragraph (e)(3) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of 30 kHz may be employed.

Band 18/26

According to FCC section 90.961(a), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

2.5.2. Test Description



The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum output power. A call is established between the EUT and the SS.

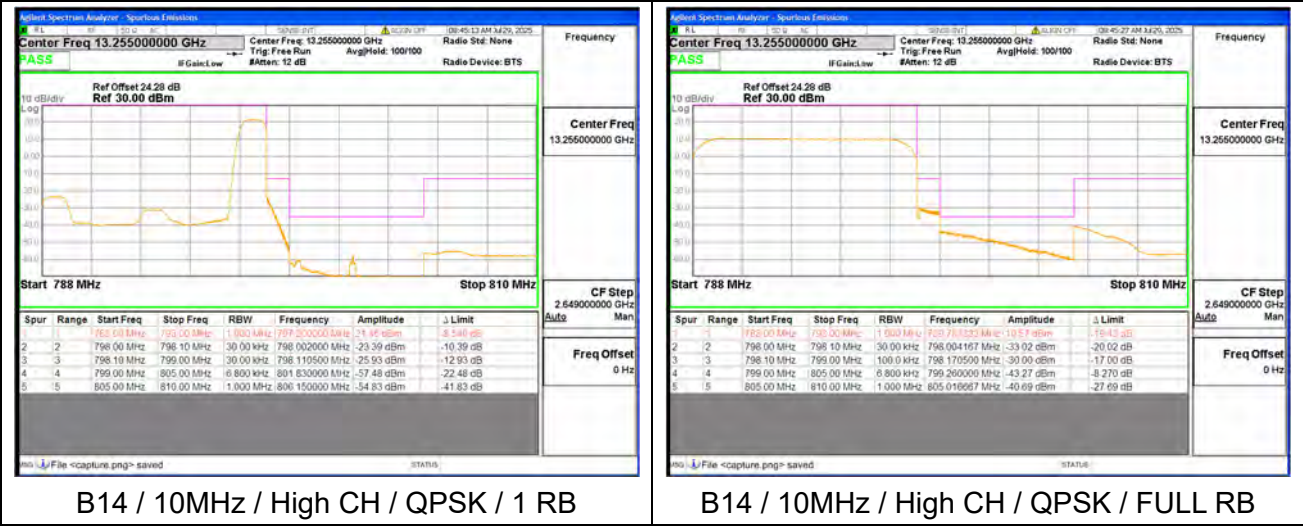
2.5.3. Test procedure

KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.



2.5.4. Test Result



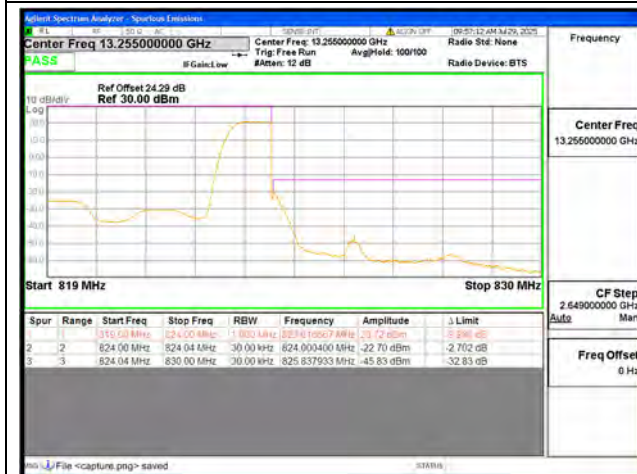




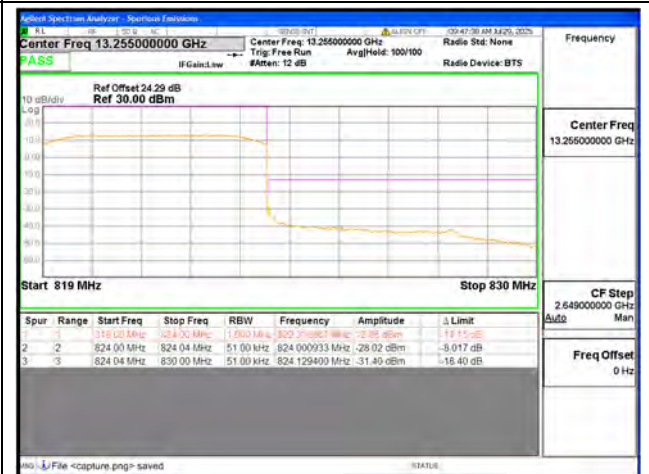
B18 part90 / 5MHz / Low CH / QPSK / 1 RB



B18 part90 / 5MHz / Low CH / QPSK / FULL RB



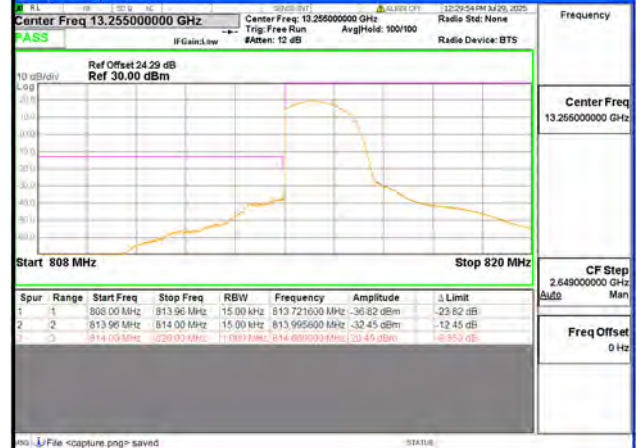
B18 part90 / 5MHz / High CH / QPSK / 1 RB



B18 part90 / 5MHz / High CH / QPSK / FULL RB



B26 Part90 / 1.4MHz / Low CH / QPSK / 1 RB



B26 Part90 / 1.4MHz / Low CH / QPSK / FULL RB



B26 Part90 / 1.4MHz / High CH / QPSK / 1 RB



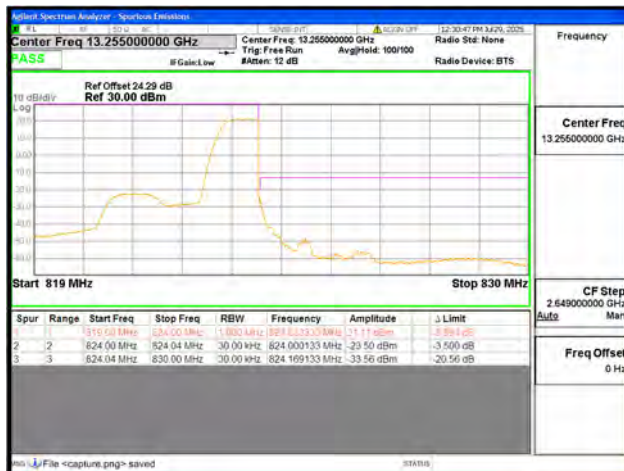
B26 Part90 / 1.4MHz / High CH / QPSK / FULL RB



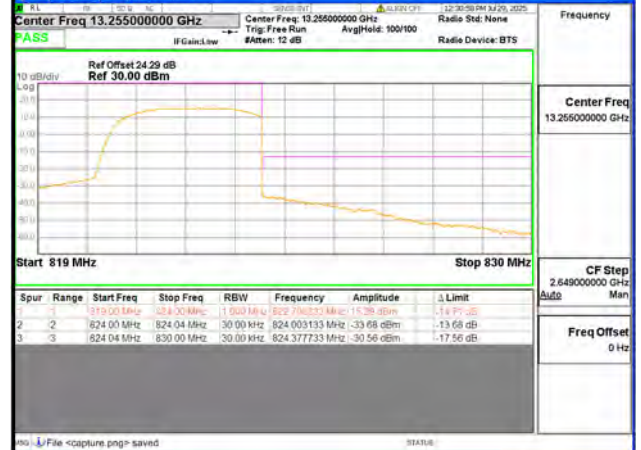
B26 Part90 / 3MHz / Low CH / QPSK / 1 RB



B26 Part90 / 3MHz / Low CH / QPSK / FULL RB



B26 Part90 / 3MHz / High CH / QPSK / 1 RB



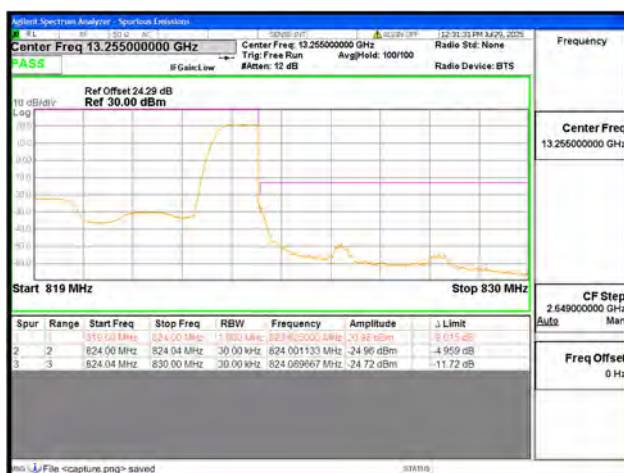
B26 Part90 / 3MHz / High CH / QPSK / FULL RB



B26 Part90 / 5MHz / Low CH / QPSK / 1 RB



B26 Part90 / 5MHz / Low CH / QPSK / FULL RB



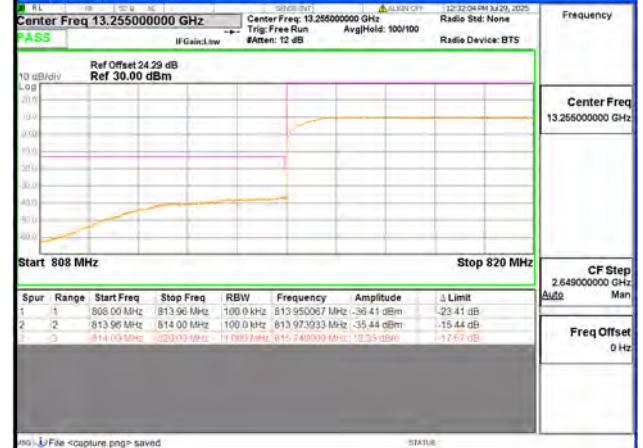
B26 Part90 / 5MHz / High CH / QPSK / 1 RB



B26 Part90 / 5MHz / High CH / QPSK / FULL RB



B26 Part90 / 10MHz / Low CH / QPSK / 1 RB



B26 Part90 / 10MHz / Low CH / QPSK / FULL RB



B26 Part90 / 10MHz / High CH / QPSK / 1 RB



B26 Part90 / 10MHz / High CH / QPSK / FULL RB

2.6. Radiated Spurious Emissions

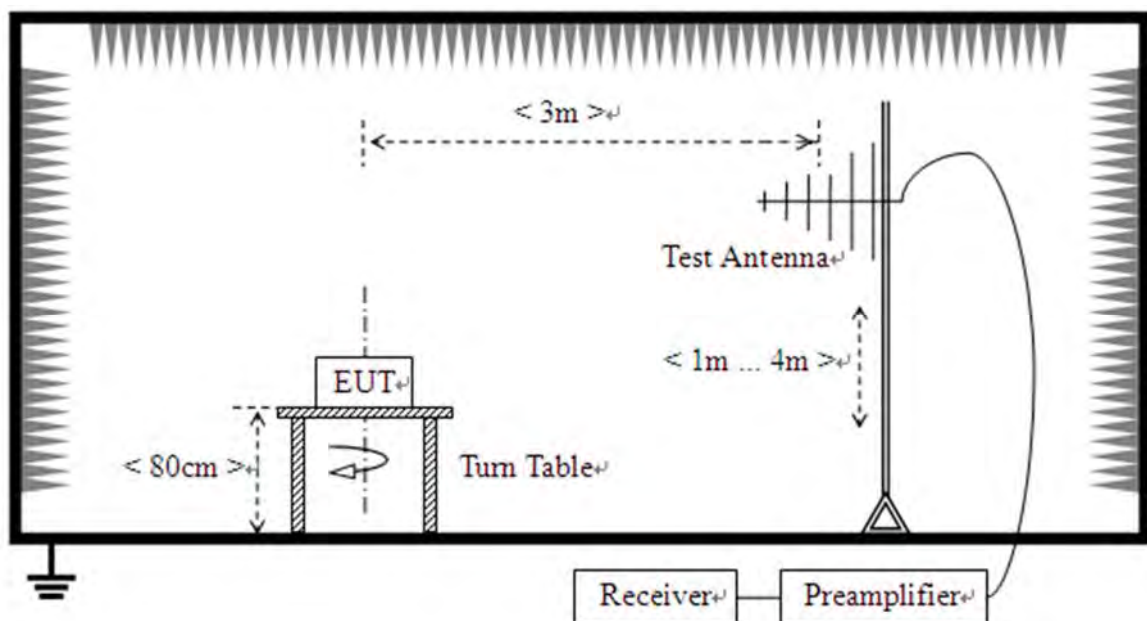
2.6.1. Requirement

According to FCC section 2.1051, the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10\log(P)$ dB. This calculated to be -13dBm.

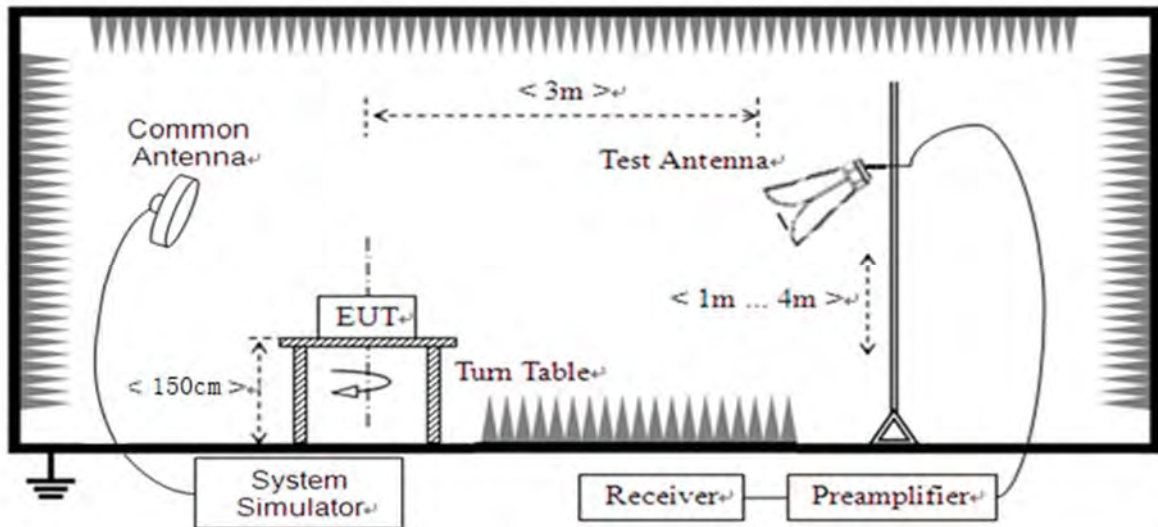
Additional requirement for Band 14

According to FCC section 90.543(f), for operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. This calculated to be -40dBm.

2.6.2. Test Description



(For the test frequency from 30MHz to 1GHz)



(For the test frequency above 1GHz)

The EUT is located in a 3m Full-Anechoic Chamber, the cable loss, air loss and so on of the site as factors are pre-calibrated using the "Substitution" method, and calculated to correct the reading. A call is established between the EUT and the SS via a Common Antenna. The EUT is commanded by the SS to operate at the maximum and minimum output power, and only the test result of the maximum output power was recorded.

In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground and the Turn Table is actuated to turn from 0° to 360° to determine the maximum value of the radiated power. The emission levels at both horizontal and vertical polarizations should be tested. The Filters consists of Notch Filters and High Pass Filter.

Note: when doing measurements above 1GHz, the EUT has been within the 3dB cone width of the horn antenna during horizontal antenna.

2.6.3. Test procedure

KDB 971168 D01v03 Section 5.8 and ANSI/TIA-603-E-2016.

For measurements below 1GHz the resolution bandwidth is set to 100kHz for peak detection measurements.

For measurements above 1GHz the resolution bandwidth is set to 1MHz, the video band width is set to 3MHz for peak measurements.



2.6.4. Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The Turn Table is actuated to turn from 0° to 360°, and both horizontal and vertical polarizations of the Test Antenna are used to find the maximum radiated power. The lowest, middle and highest channels are tested to verify the out of band emissions.

The substitution corrections are obtained as described below:

$$A_{\text{SUBST}} = P_{\text{SUBST_TX}} - P_{\text{SUBST_RX}} - L_{\text{SUBST_CABLES}} + G_{\text{SUBST_TX_ANT}}$$

$$A_{\text{TOT}} = L_{\text{CABLES}} + A_{\text{SUBST}}$$

Where A_{SUBST} is the final substitution correction including receive antenna gain.

$P_{\text{SUBST_TX}}$ is signal generator level,

$P_{\text{SUBST_RX}}$ is receiver level,

$L_{\text{SUBST_CABLES}}$ is cable losses including TX cable,

$G_{\text{SUBST_TX_ANT}}$ is substitution antenna gain.

A_{TOT} is total correction factor including cable loss and substitution correction

During the test, the data of A_{TOT} was added in the test spectrum analyze, so spectrum analyze reading is the final values which contain the data of A_{TOT} .

Note1: The power of the EUT transmitting frequency should be ignored.

Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

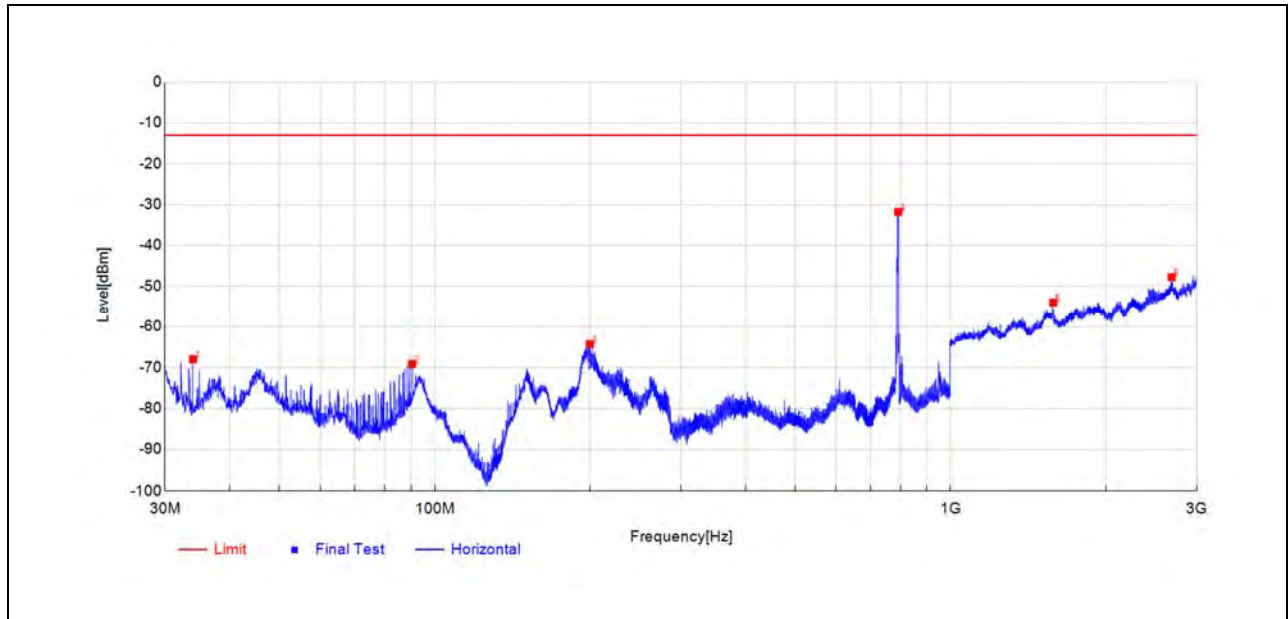
Note3: All bandwidth and modulation were considered and evaluated respectively by performing full test for each band, only the worst cases (Max Bandwidth and QPSK mode) were recorded in this test report.

Note4: N/A means the frequency is the basic frequency or the base station frequency, they are no need to verdict.

Note5: The amplitude of emissions (18GHz to 10th harmonics) which are attenuated more than 20 dB below the limit are not be reported.

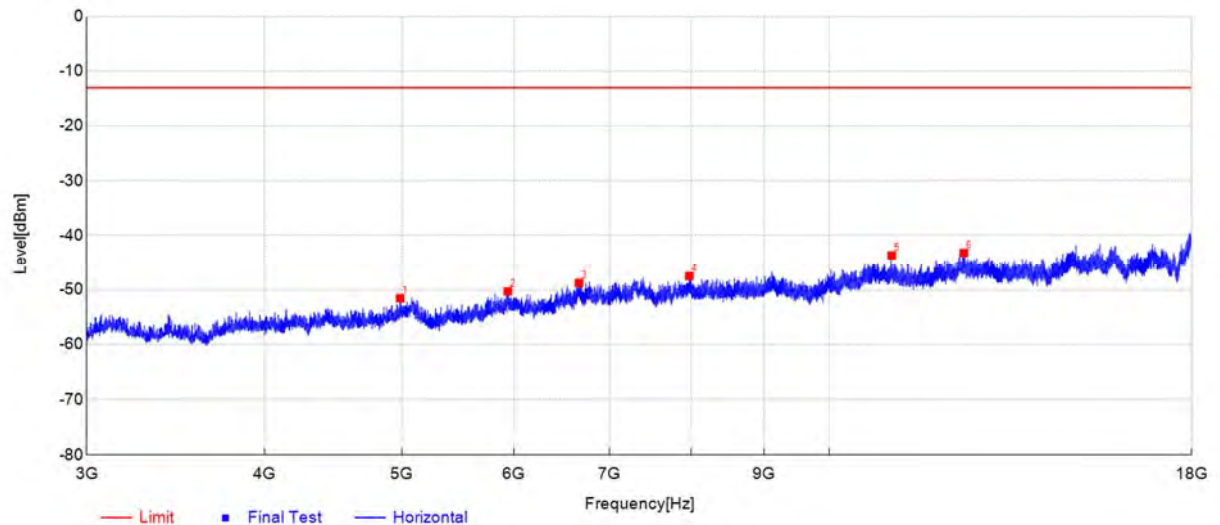
LTE Band 14

Plot for Low Channel



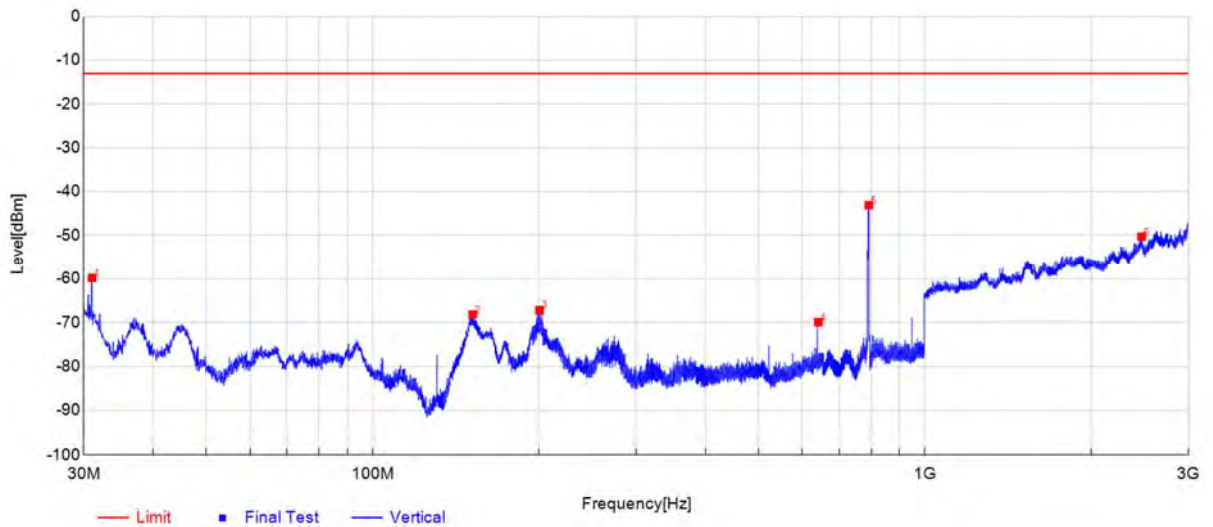
(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
33.9772	-57.36	-68.04	-10.7	-13.0	55.0	Horizontal	PASS
90.5795	-47.19	-69.15	-22.0	-13.0	56.2	Horizontal	PASS
200.001	-46.95	-64.26	-17.3	-13.0	51.3	Horizontal	PASS
792.6521	-27.11	-31.86	-4.8	-13.0	18.9	Horizontal	NA
1578.9158	-55.57	-53.94	1.6	-13.0	40.9	Horizontal	PASS
2683.9368	-57.63	-47.84	9.8	-13.0	34.8	Horizontal	PASS



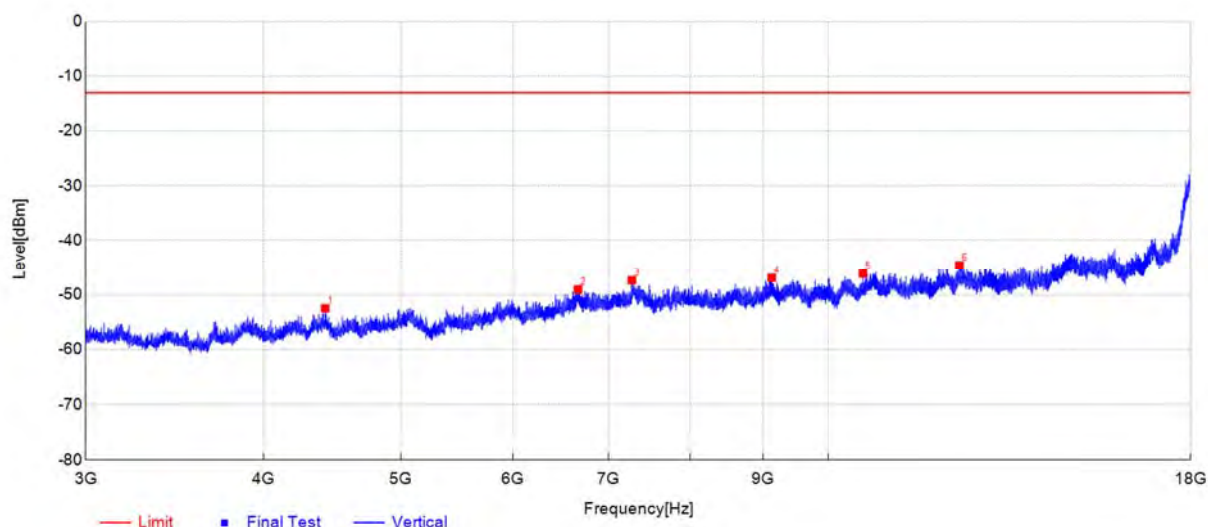
(Antenna Horizontal, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
4987.5663	-53.20	-51.66	1.5	-13.0	38.7	Horizontal	PASS
5937.0979	-54.78	-50.42	4.4	-13.0	37.4	Horizontal	PASS
6665.1222	-55.12	-48.77	6.4	-13.0	35.8	Horizontal	PASS
7978.1659	-54.85	-47.62	7.2	-13.0	34.6	Horizontal	PASS
11069.769	-55.97	-43.62	12.4	-13.0	30.6	Horizontal	PASS
12449.315	-57.94	-43.21	14.7	-13.0	30.2	Horizontal	PASS



(Antenna Vertical, 30MHz to 3GHz)

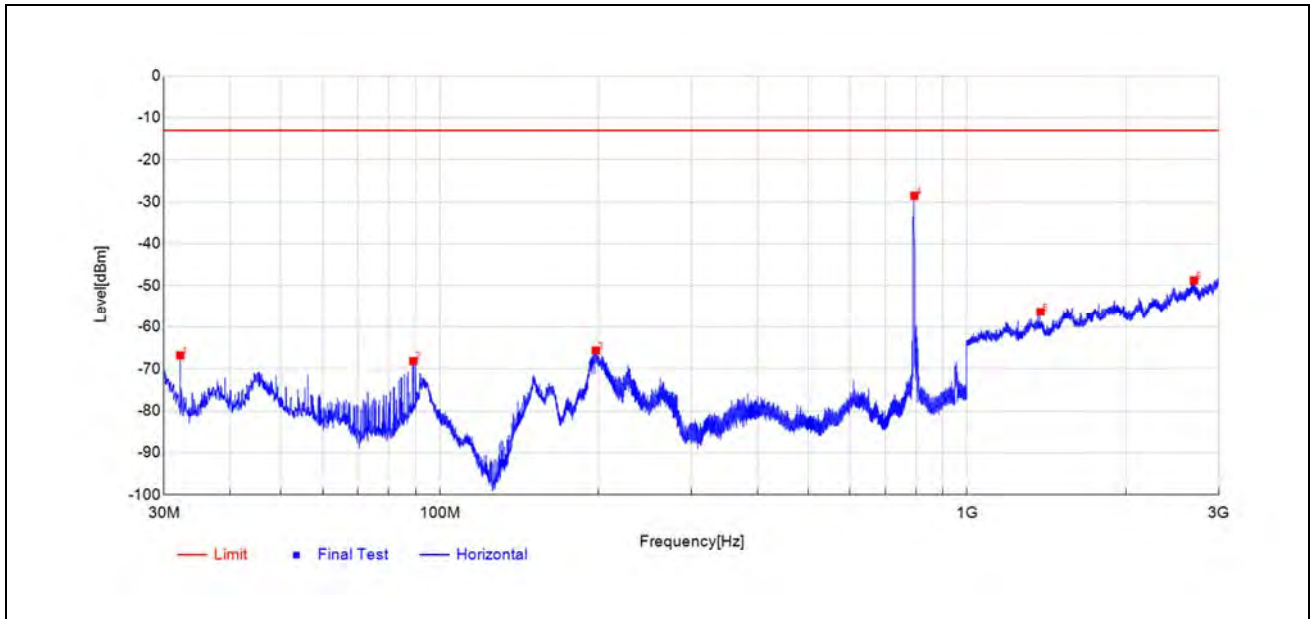
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
31.0186	-39.58	-59.89	-20.3	-13.0	46.9	Vertical	PASS
151.6926	-48.76	-68.28	-19.5	-13.0	55.3	Vertical	PASS
200.8255	-48.60	-67.15	-18.6	-13.0	54.2	Vertical	PASS
640.6455	-61.41	-70.01	-8.6	-13.0	57.0	Vertical	PASS
792.0701	-36.48	-43.04	-6.6	-13.0	30.0	Vertical	NA
2468.6937	-57.72	-50.33	7.4	-13.0	37.3	Vertical	PASS



(Antenna Vertical, 3GHz to 18GHz)

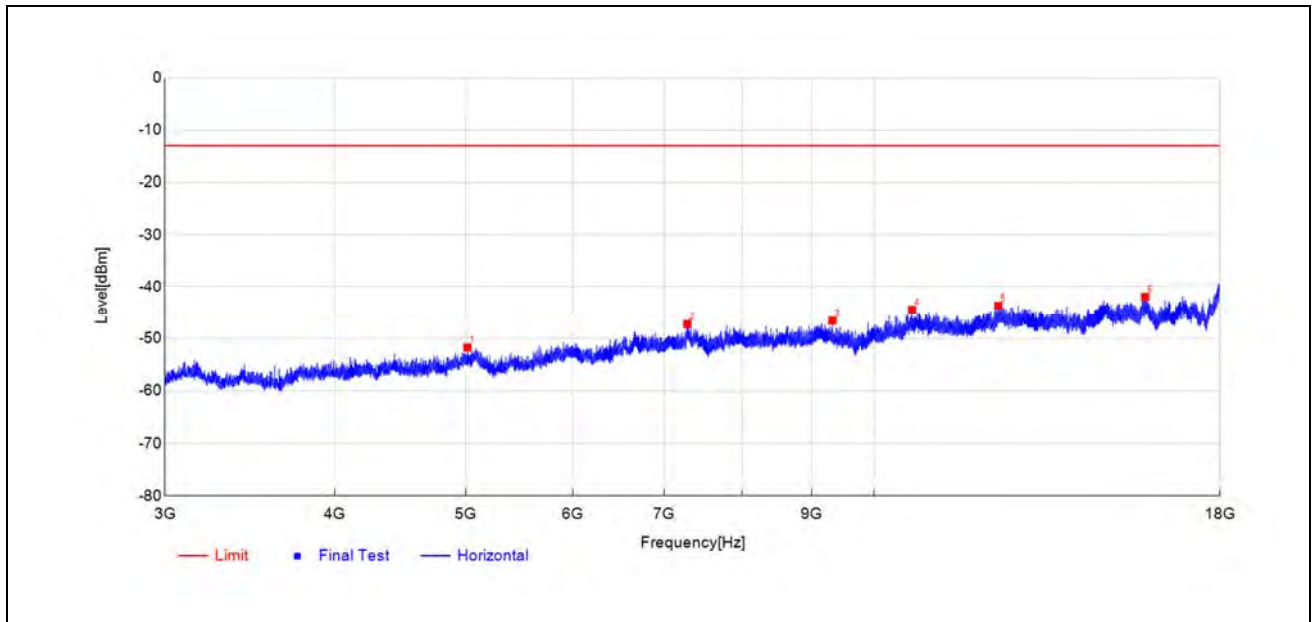
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
4425.0475	-52.26	-52.56	-0.3	-13.0	39.6	Vertical	PASS
6668.1223	-55.58	-49.10	6.5	-13.0	36.1	Vertical	PASS
7273.6425	-54.57	-47.37	7.2	-13.0	34.4	Vertical	PASS
9122.2041	-55.30	-46.92	8.4	-13.0	33.9	Vertical	PASS
10584.7528	-57.07	-46.22	10.9	-13.0	33.2	Vertical	PASS
12370.3123	-58.27	-44.59	13.7	-13.0	31.6	Vertical	PASS

Plot for Mid Channel



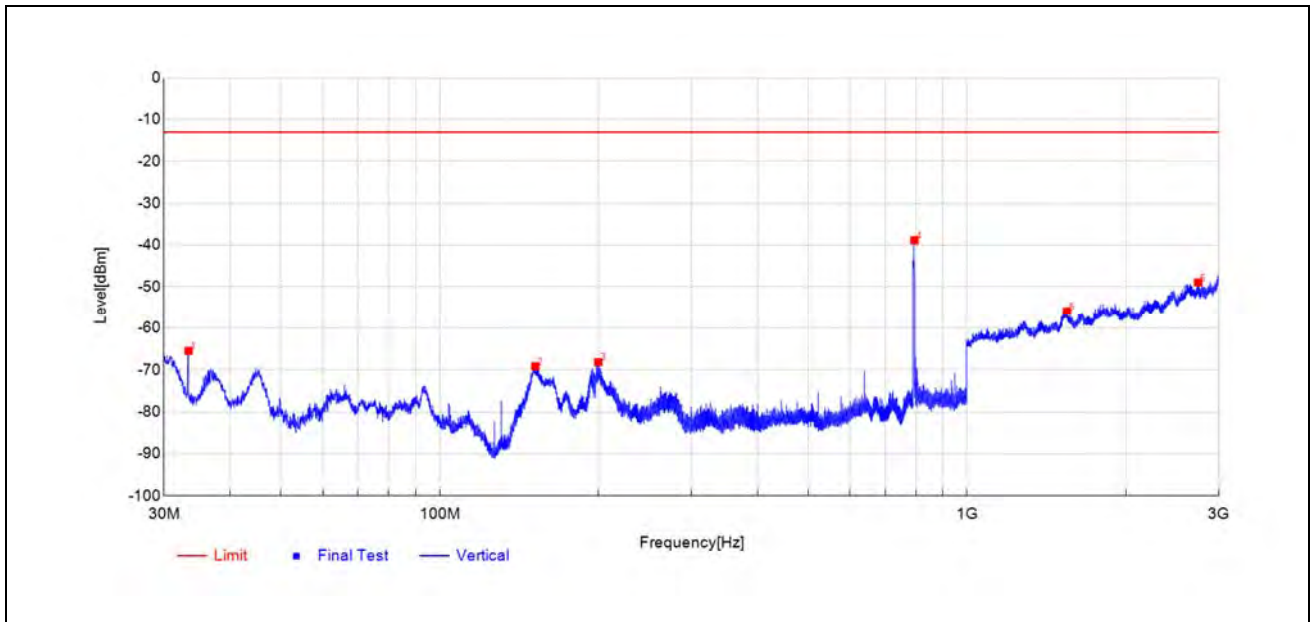
(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
32.2311	-55.81	-66.79	-11.0	-13.0	53.8	Horizontal	PASS
89.076	-46.26	-68.12	-21.9	-13.0	55.1	Horizontal	PASS
198.0609	-47.86	-65.68	-17.8	-13.0	52.7	Horizontal	PASS
794.1072	-23.76	-28.58	-4.8	-13.0	15.6	Horizontal	NA
1375.6751	-56.17	-56.42	-0.3	-13.0	43.4	Horizontal	PASS
2690.3381	-58.87	-48.74	10.1	-13.0	35.7	Horizontal	PASS



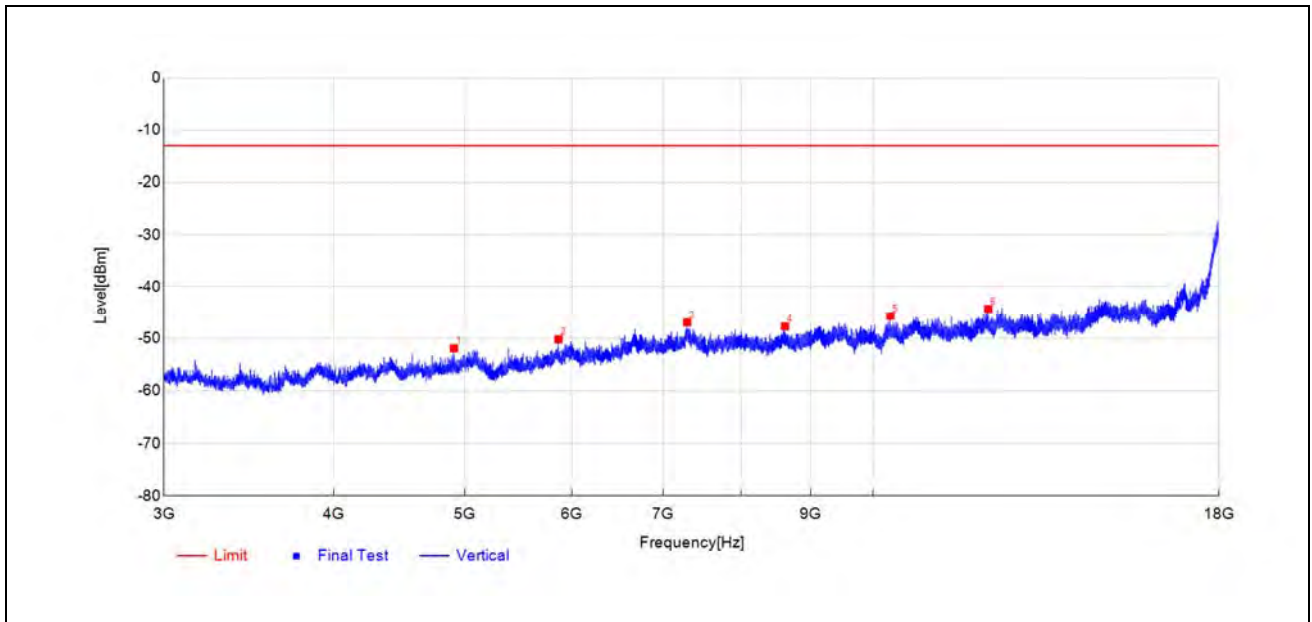
(Antenna Horizontal, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5016.5672	-53.57	-51.74	1.8	-13.0	38.7	Horizontal	PASS
7290.143	-55.04	-47.25	7.8	-13.0	34.3	Horizontal	PASS
9329.711	-55.86	-46.62	9.2	-13.0	33.6	Horizontal	PASS
10675.2558	-56.08	-44.52	11.6	-13.0	31.5	Horizontal	PASS
12359.812	-58.15	-43.64	14.5	-13.0	30.6	Horizontal	PASS
15868.929	-59.64	-41.92	17.7	-13.0	28.9	Horizontal	PASS



(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
33.3467	-45.96	-65.57	-19.6	-13.0	52.6	Vertical	PASS
151.6926	-49.71	-69.23	-19.5	-13.0	56.2	Vertical	PASS
199.6615	-49.55	-68.12	-18.6	-13.0	55.1	Vertical	PASS
794.4467	-32.27	-38.79	-6.5	-13.0	25.8	Vertical	NA
1548.1096	-58.61	-55.91	2.7	-13.0	42.9	Vertical	PASS
2743.1486	-57.80	-48.93	8.9	-13.0	35.9	Vertical	PASS

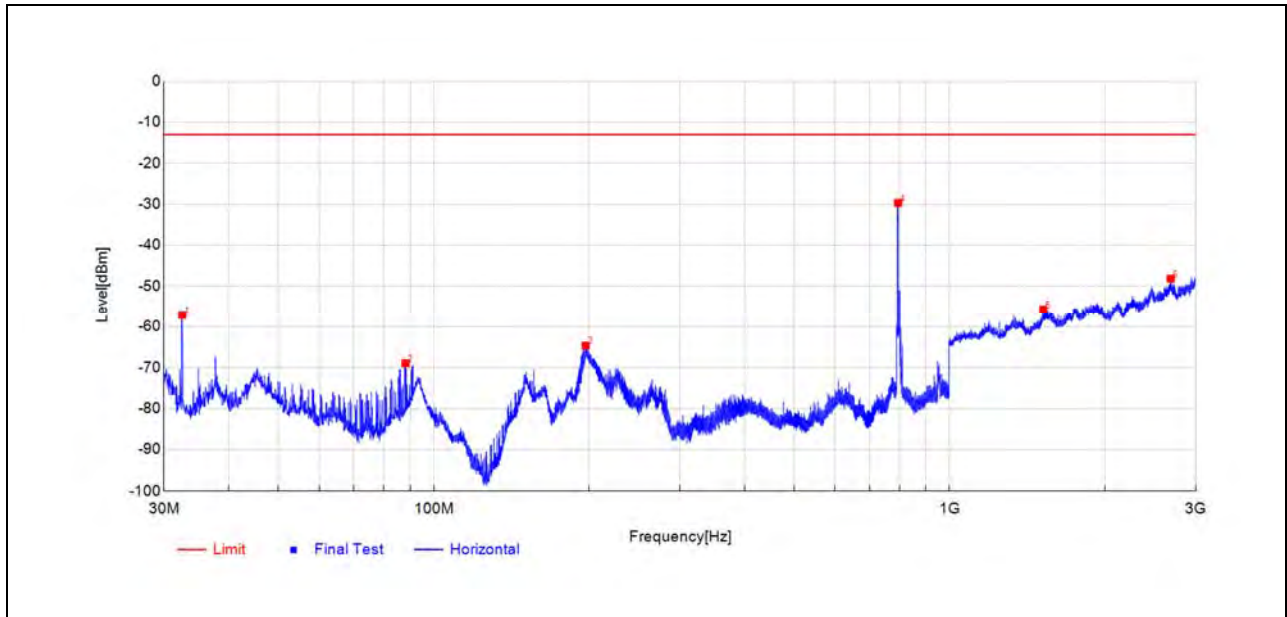


(Antenna Vertical, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
4911.5637	-52.16	-51.97	0.2	-13.0	39.0	Vertical	PASS
5865.0955	-53.87	-50.23	3.6	-13.0	37.2	Vertical	PASS
7298.1433	-55.00	-46.96	8.0	-13.0	34.0	Vertical	PASS
8614.1871	-54.89	-47.68	7.2	-13.0	34.7	Vertical	PASS
10304.7435	-55.65	-45.75	9.9	-13.0	32.8	Vertical	PASS
12166.3055	-57.46	-44.32	13.1	-13.0	31.3	Vertical	PASS

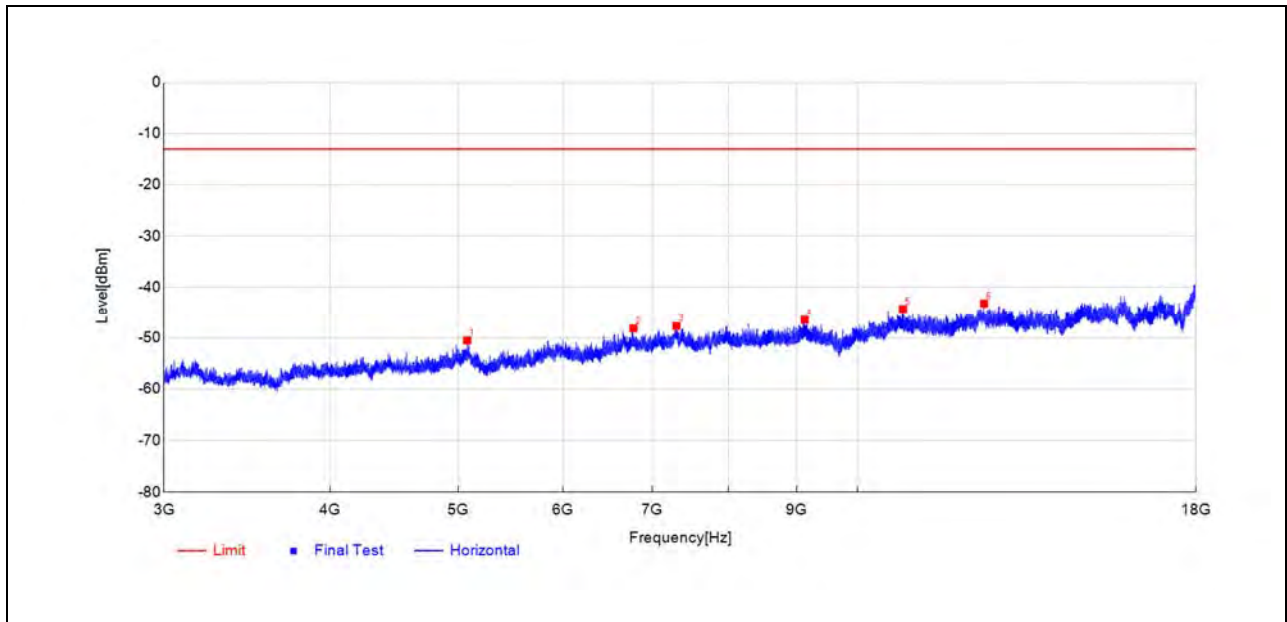


Plot for High Channel



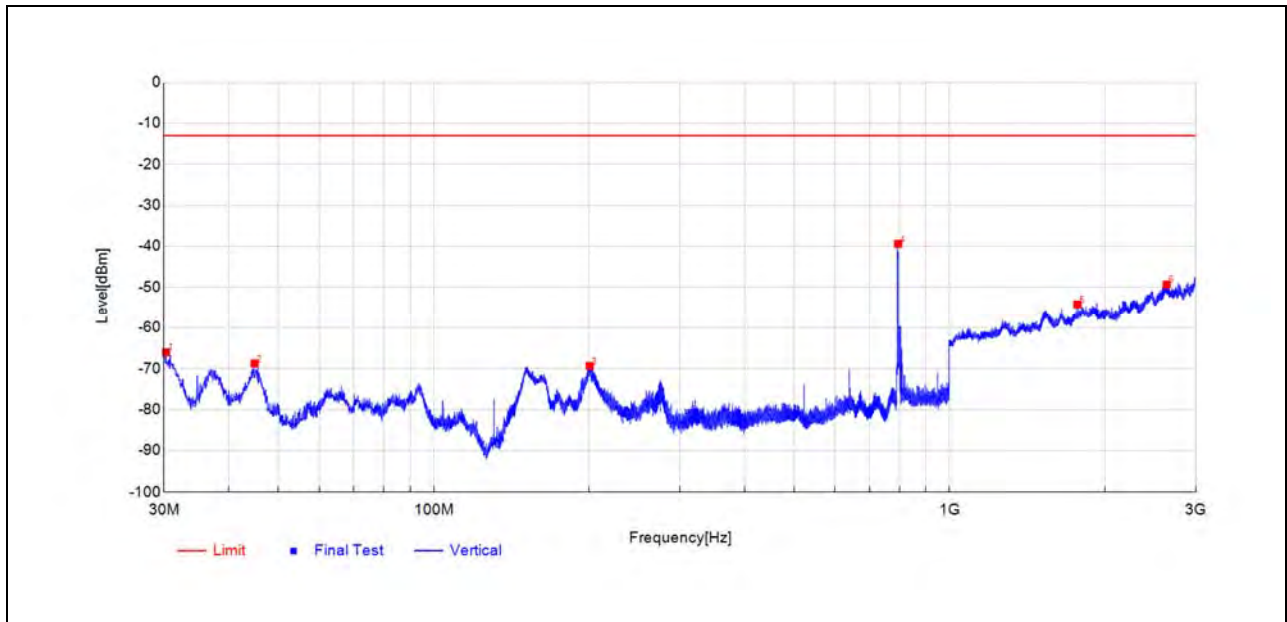
(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
32.5706	-46.14	-57.06	-10.9	-13.0	44.1	Horizontal	PASS
88.2029	-47.18	-68.97	-21.8	-13.0	56.0	Horizontal	PASS
196.8968	-46.52	-64.64	-18.1	-13.0	51.6	Horizontal	PASS
794.6892	-24.87	-29.71	-4.8	-13.0	16.7	Horizontal	NA
1518.5037	-57.18	-55.85	1.3	-13.0	42.9	Horizontal	PASS
2683.9368	-57.98	-48.19	9.8	-13.0	35.2	Horizontal	PASS



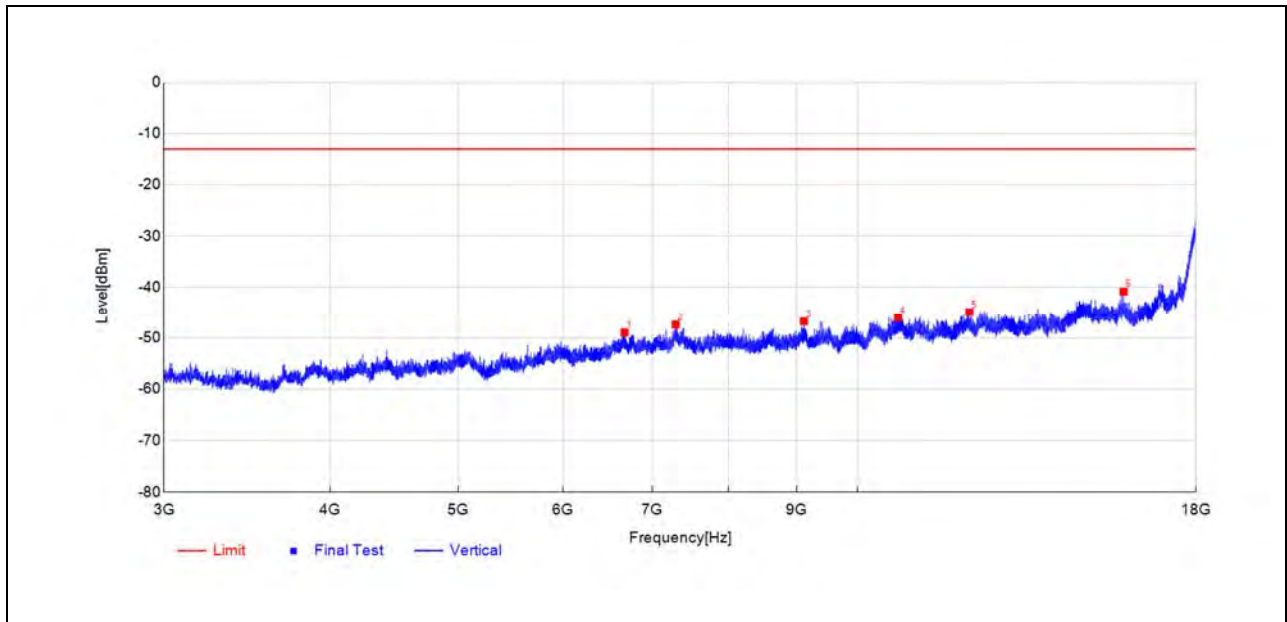
(Antenna Horizontal, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5082.5694	-52.84	-50.46	2.4	-13.0	37.5	Horizontal	PASS
6780.126	-54.66	-48.25	6.4	-13.0	35.3	Horizontal	PASS
7303.6435	-55.69	-47.64	8.1	-13.0	34.6	Horizontal	PASS
9123.2041	-55.50	-46.41	9.1	-13.0	33.4	Horizontal	PASS
10826.2609	-56.66	-44.36	12.3	-13.0	31.4	Horizontal	PASS
12465.3155	-57.86	-43.21	14.7	-13.0	30.2	Horizontal	PASS



(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.3395	-45.48	-65.99	-20.5	-13.0	53.0	Vertical	PASS
44.8902	-52.60	-68.74	-16.1	-13.0	55.7	Vertical	PASS
200.9225	-50.86	-69.41	-18.6	-13.0	56.4	Vertical	PASS
794.1072	-32.88	-39.40	-6.5	-13.0	26.4	Vertical	NA
1769.3539	-56.54	-54.25	2.3	-13.0	41.3	Vertical	PASS
2634.7269	-58.21	-49.25	9.0	-13.0	36.3	Vertical	PASS

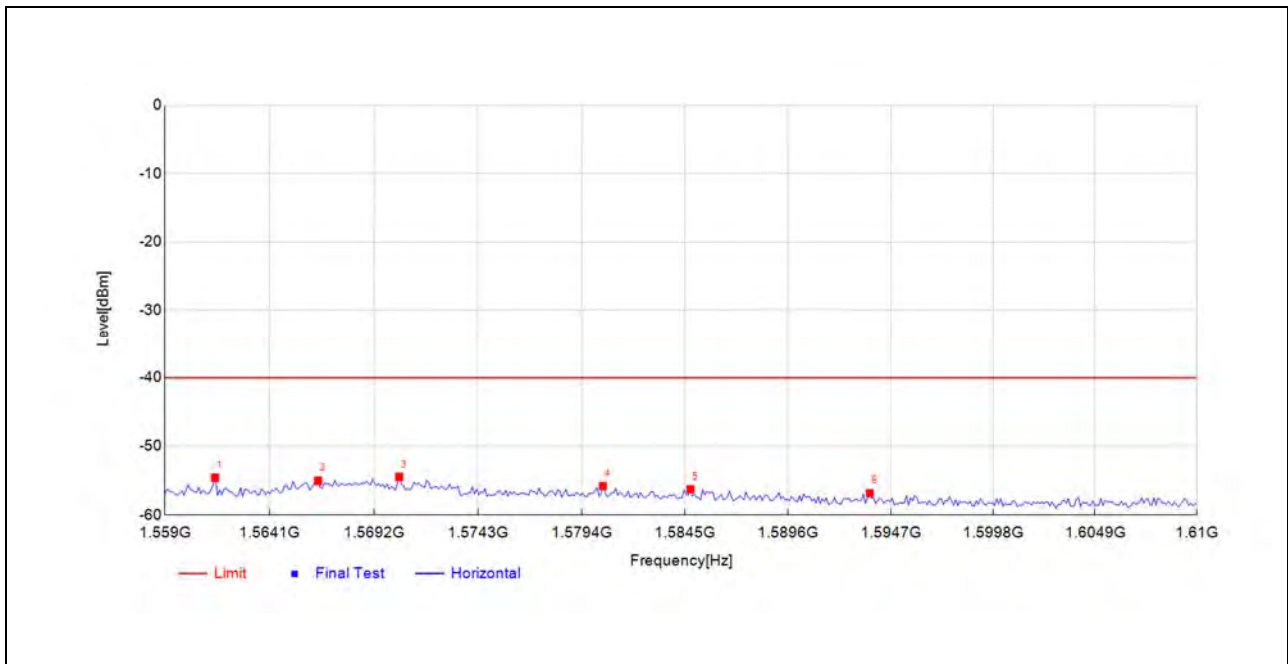


(Antenna Vertical, 3GHz to 18GHz)

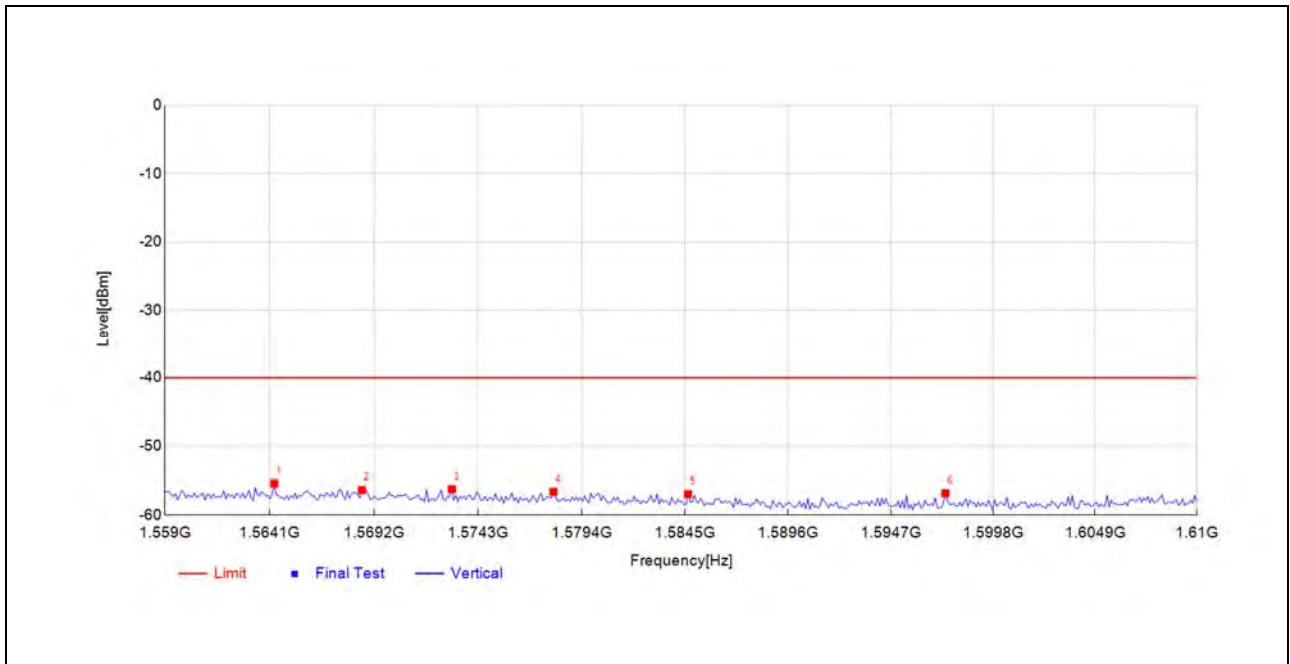
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
6673.1224	-55.44	-48.94	6.5	-13.0	35.9	Vertical	PASS
7296.1432	-55.38	-47.42	8.0	-13.0	34.4	Vertical	PASS
9120.704	-55.18	-46.82	8.4	-13.0	33.8	Vertical	PASS
10730.2577	-57.32	-45.94	11.4	-13.0	32.9	Vertical	PASS
12145.3048	-58.14	-44.94	13.2	-13.0	31.9	Vertical	PASS
15884.9295	-58.31	-40.79	17.5	-13.0	27.8	Vertical	PASS



Plot for 1559MHz-1610MHz



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1561.4529	-56.91	-54.59	2.3	-40.0	14.6	Horizontal	PK	PASS
1566.4609	-57.25	-55.01	2.2	-40.0	15.0	Horizontal	PK	PASS
1570.4469	-56.68	-54.52	2.2	-40.0	14.5	Horizontal	PK	PASS
1580.4629	-57.33	-55.79	1.5	-40.0	15.8	Horizontal	PK	PASS
1584.7555	-57.51	-56.24	1.3	-40.0	16.2	Horizontal	PK	PASS
1593.6473	-57.65	-56.80	0.9	-40.0	16.8	Horizontal	PK	PASS

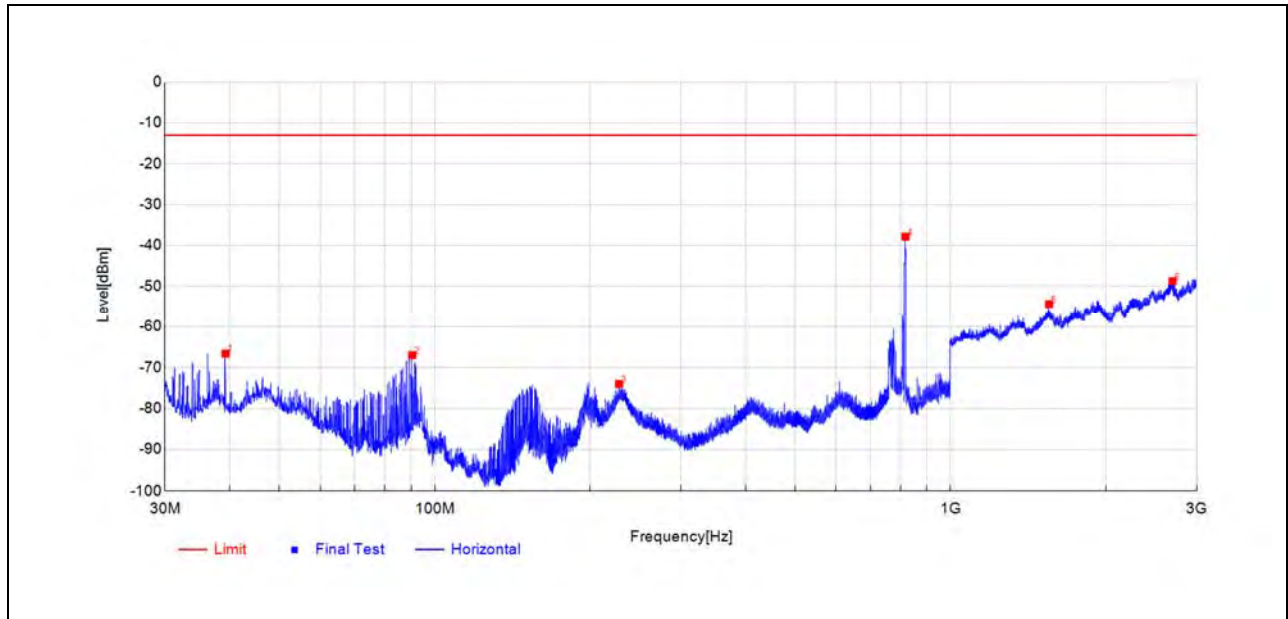


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1564.3146	-57.14	-55.44	1.7	-40.0	15.4	Vertical	PK	PASS
1568.6072	-57.69	-56.29	1.4	-40.0	16.3	Vertical	PK	PASS
1573.002	-57.35	-56.22	1.1	-40.0	16.2	Vertical	PK	PASS
1578.01	-57.45	-56.60	0.9	-40.0	16.6	Vertical	PK	PASS
1584.6533	-57.38	-56.90	0.5	-40.0	16.9	Vertical	PK	PASS
1597.4289	-57.19	-56.86	0.3	-40.0	16.9	Vertical	PK	PASS



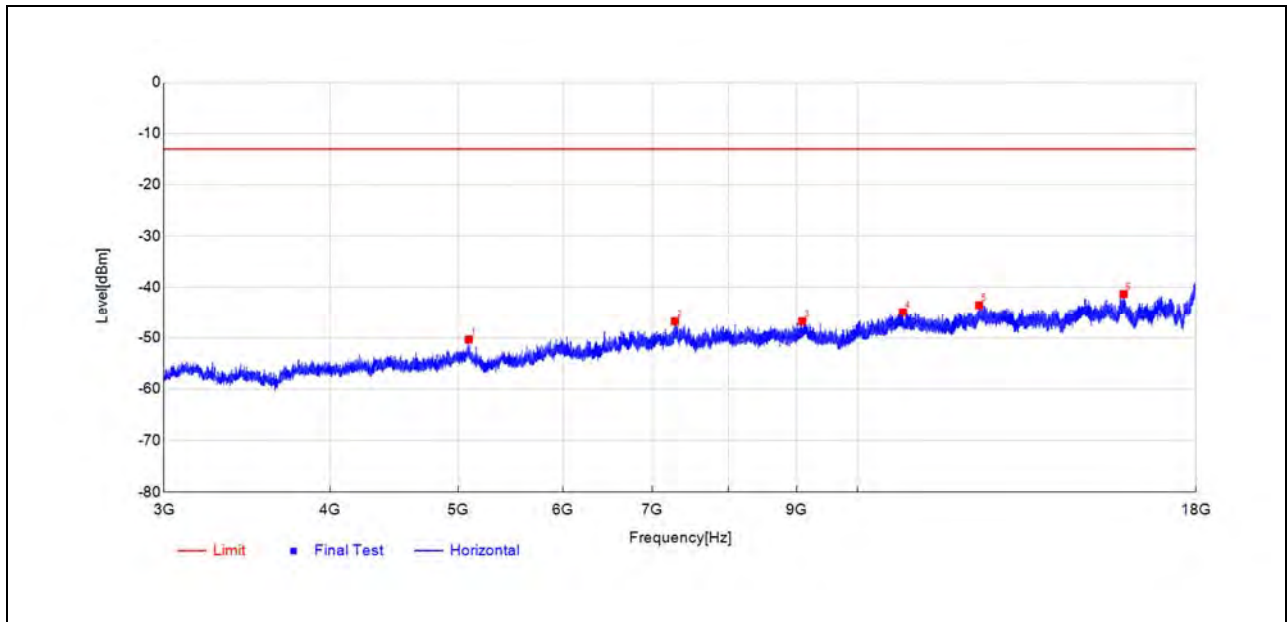
LTE Band 18

Plot for Low Channel



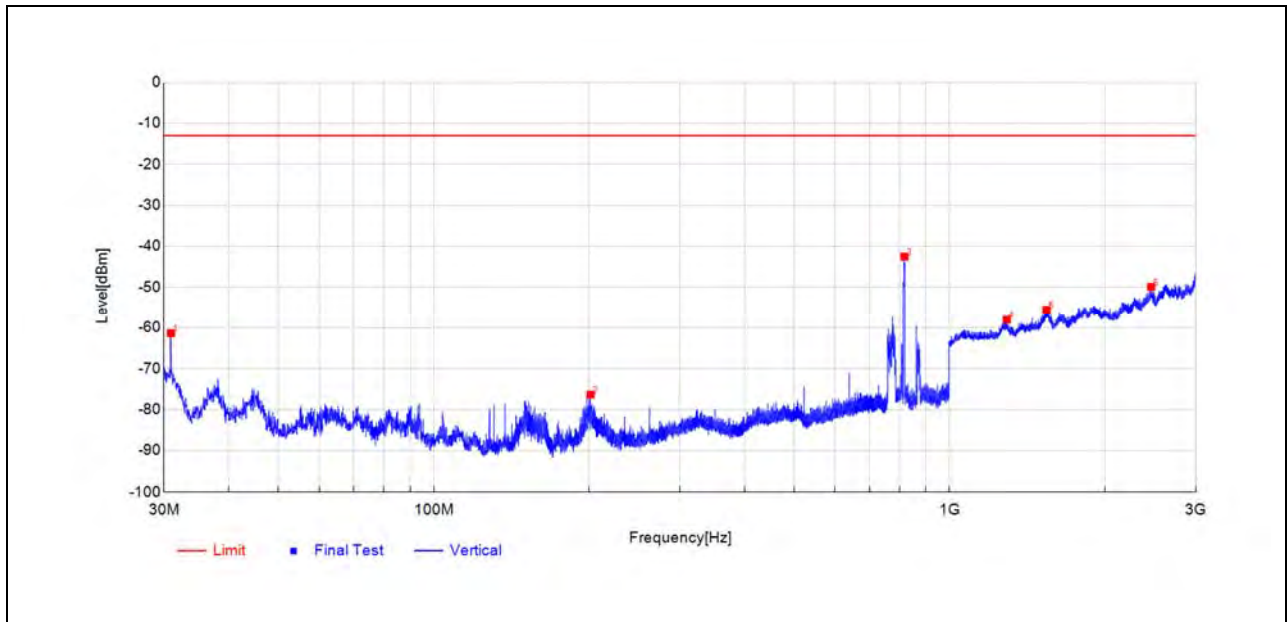
(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
39.264	-56.70	-66.56	-9.9	-13.0	53.6	Horizontal	PASS
90.3855	-45.15	-67.13	-22.0	-13.0	54.1	Horizontal	PASS
227.6959	-66.58	-74.05	-7.5	-13.0	61.1	Horizontal	PASS
818.6979	-32.50	-37.85	-5.4	-13.0	24.9	Horizontal	NA
1551.7103	-56.99	-54.48	2.5	-13.0	41.5	Horizontal	PASS
2696.3393	-58.56	-48.74	9.8	-13.0	35.7	Horizontal	PASS



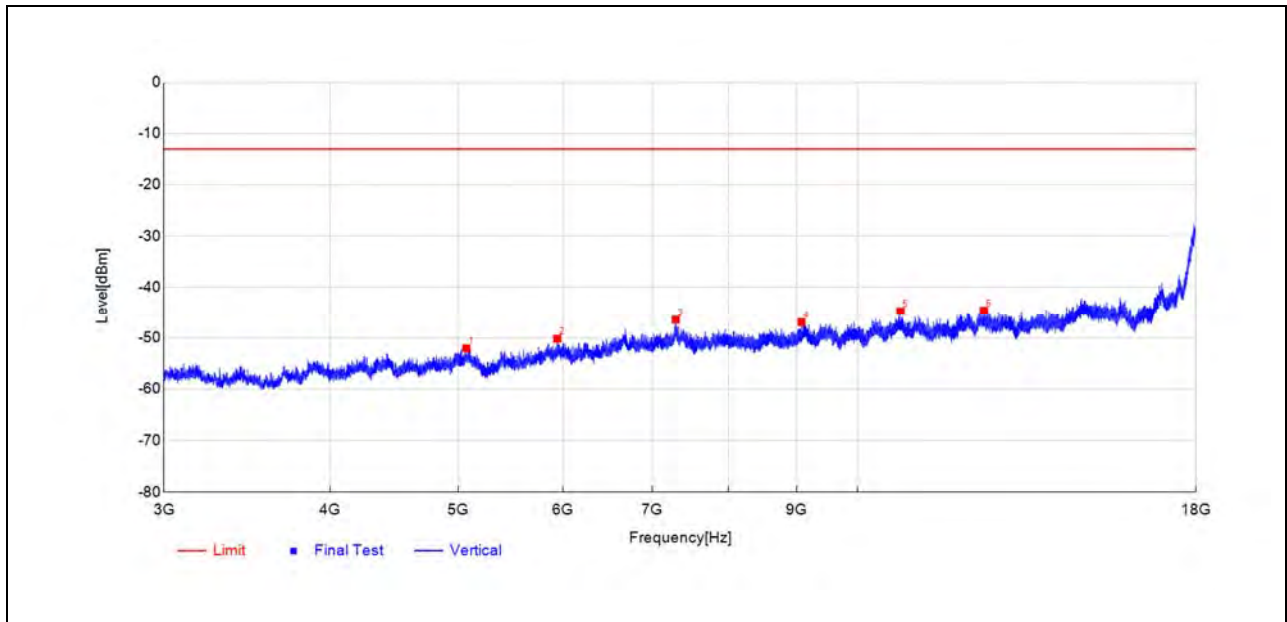
(Antenna Horizontal, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5092.0697	-52.79	-50.33	2.5	-13.0	37.3	Horizontal	PASS
7284.6428	-54.46	-46.83	7.6	-13.0	33.8	Horizontal	PASS
9084.2028	-55.37	-46.77	8.6	-13.0	33.8	Horizontal	PASS
10831.7611	-57.15	-44.86	12.3	-13.0	31.9	Horizontal	PASS
12358.812	-57.96	-43.45	14.5	-13.0	30.5	Horizontal	PASS
15891.4297	-58.98	-41.28	17.7	-13.0	28.3	Horizontal	PASS



(Antenna Vertical, 30MHz to 3GHz)

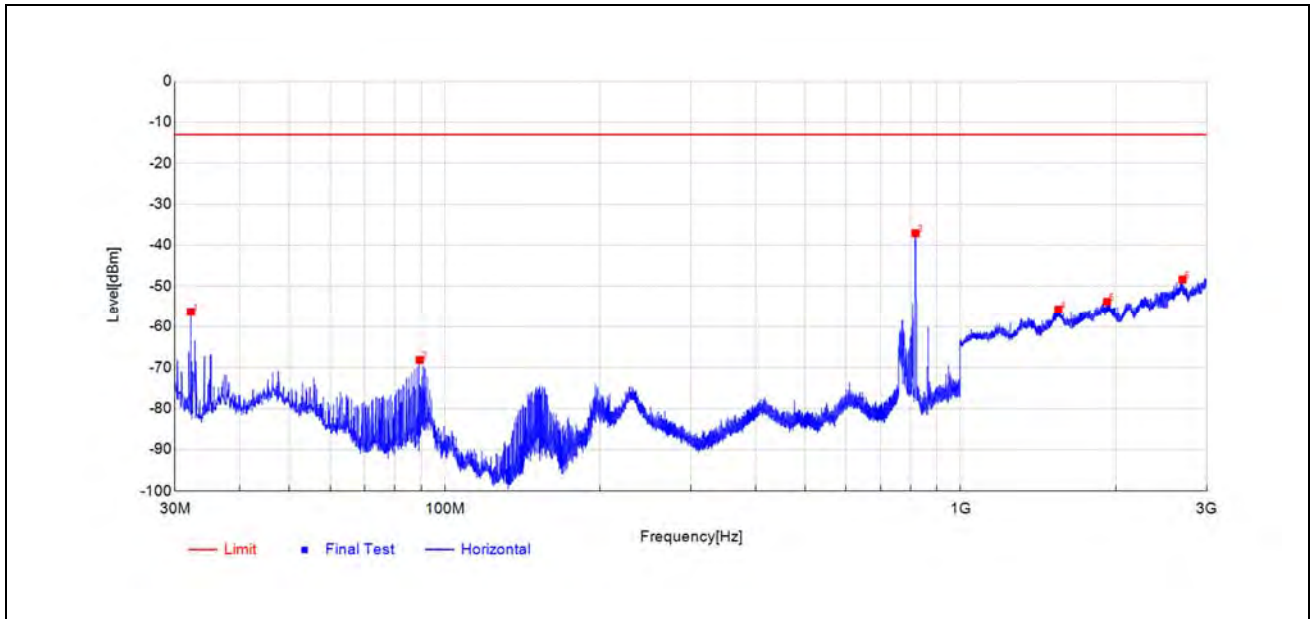
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.97	-41.14	-61.49	-20.4	-13.0	48.5	Vertical	PASS
201.2136	-57.37	-76.48	-19.1	-13.0	63.5	Vertical	PASS
817.5339	-37.06	-42.58	-5.5	-13.0	29.6	Vertical	NA
1290.4581	-57.73	-58.02	-0.3	-13.0	45.0	Vertical	PASS
1543.7087	-58.23	-55.54	2.7	-13.0	42.5	Vertical	PASS
2456.2913	-56.82	-49.86	7.0	-13.0	36.9	Vertical	PASS



(Antenna Vertical, 3GHz to 18GHz)

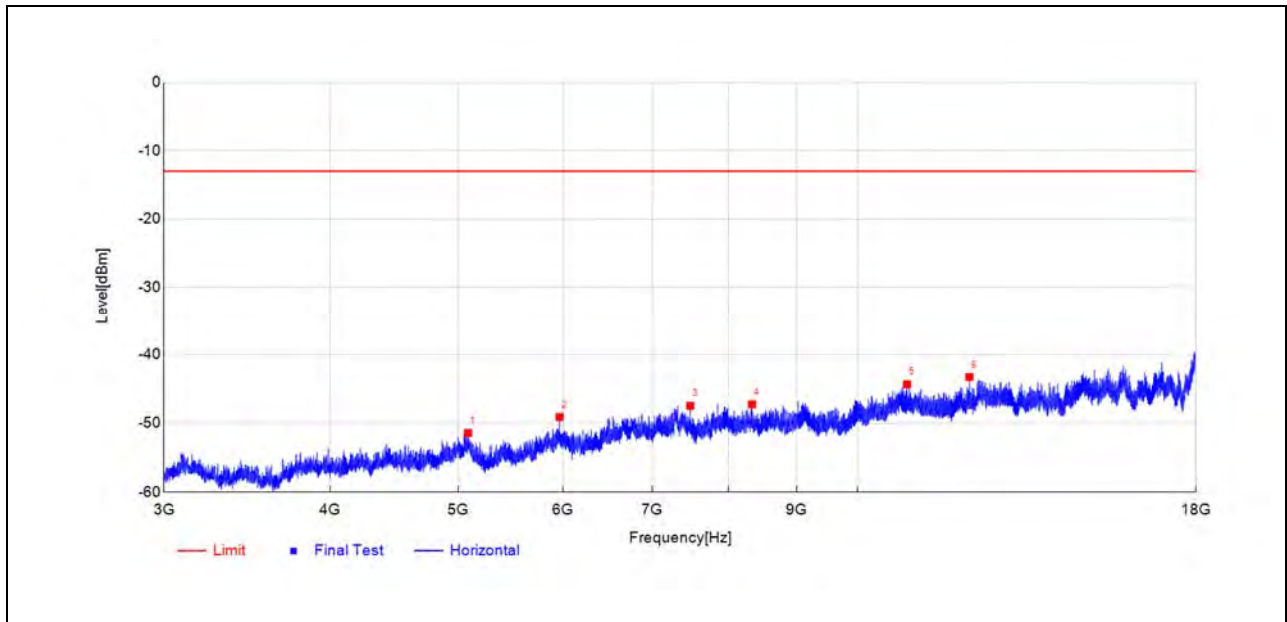
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5071.069	-53.81	-52.09	1.7	-13.0	39.1	Vertical	PASS
5941.098	-54.24	-50.19	4.1	-13.0	37.2	Vertical	PASS
7296.1432	-54.44	-46.48	8.0	-13.0	33.5	Vertical	PASS
9078.7026	-54.82	-46.90	7.9	-13.0	33.9	Vertical	PASS
10774.7592	-56.48	-44.71	11.8	-13.0	31.7	Vertical	PASS
12456.3152	-58.55	-44.57	14.0	-13.0	31.6	Vertical	PASS

Plot for Mid Channel



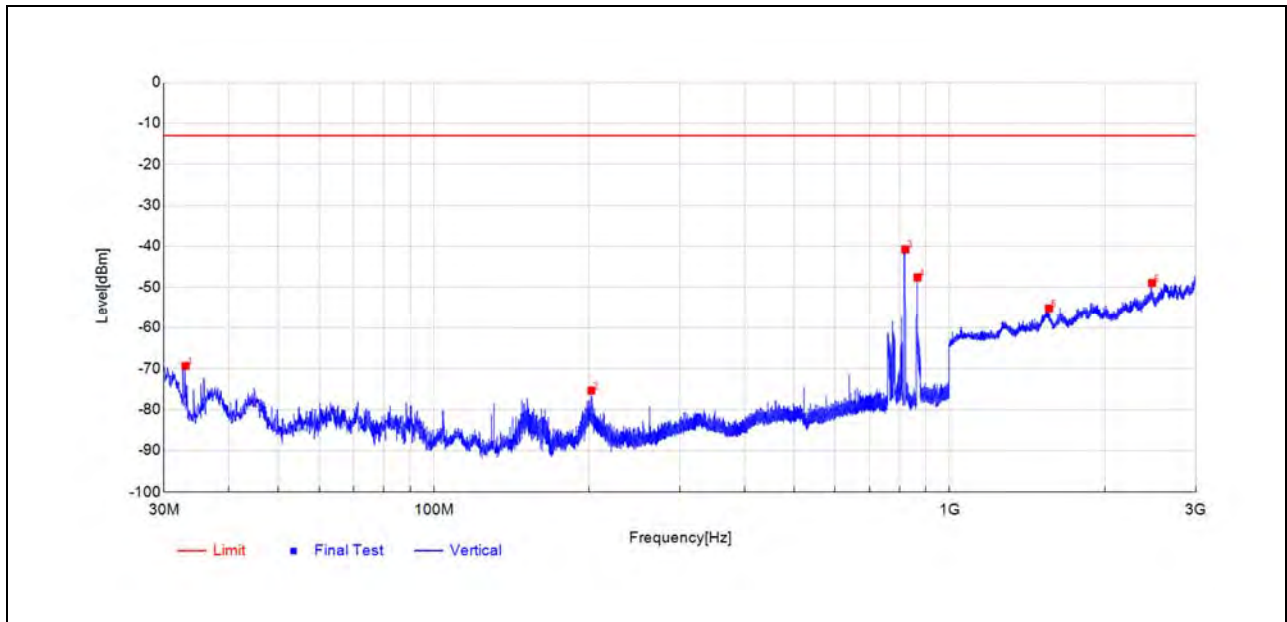
(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
32.2311	-45.40	-56.41	-11.0	-13.0	43.4	Horizontal	PASS
89.367	-46.41	-68.30	-21.9	-13.0	55.3	Horizontal	PASS
818.1159	-31.71	-37.04	-5.3	-13.0	24.0	Horizontal	NA
1547.7095	-58.34	-55.84	2.5	-13.0	42.8	Horizontal	PASS
1919.784	-57.46	-53.81	3.7	-13.0	40.8	Horizontal	PASS
2689.938	-58.73	-48.44	10.3	-13.0	35.4	Horizontal	PASS



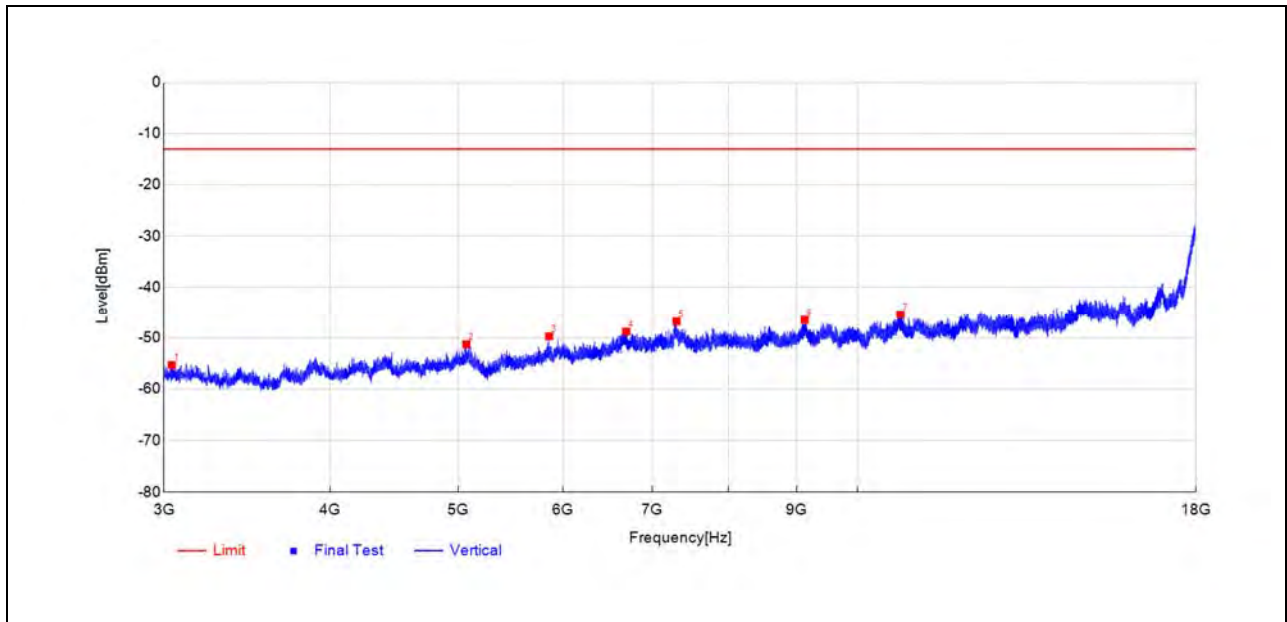
(Antenna Horizontal, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5084.0695	-53.88	-51.49	2.4	-13.0	38.5	Horizontal	PASS
5963.0988	-53.68	-49.14	4.5	-13.0	36.1	Horizontal	PASS
7482.1494	-53.73	-47.41	6.3	-13.0	34.4	Horizontal	PASS
8325.1775	-54.96	-47.28	7.7	-13.0	34.3	Horizontal	PASS
10906.7636	-56.49	-44.26	12.2	-13.0	31.3	Horizontal	PASS
12159.8053	-56.76	-43.29	13.5	-13.0	30.3	Horizontal	PASS



(Antenna Vertical, 30MHz to 3GHz)

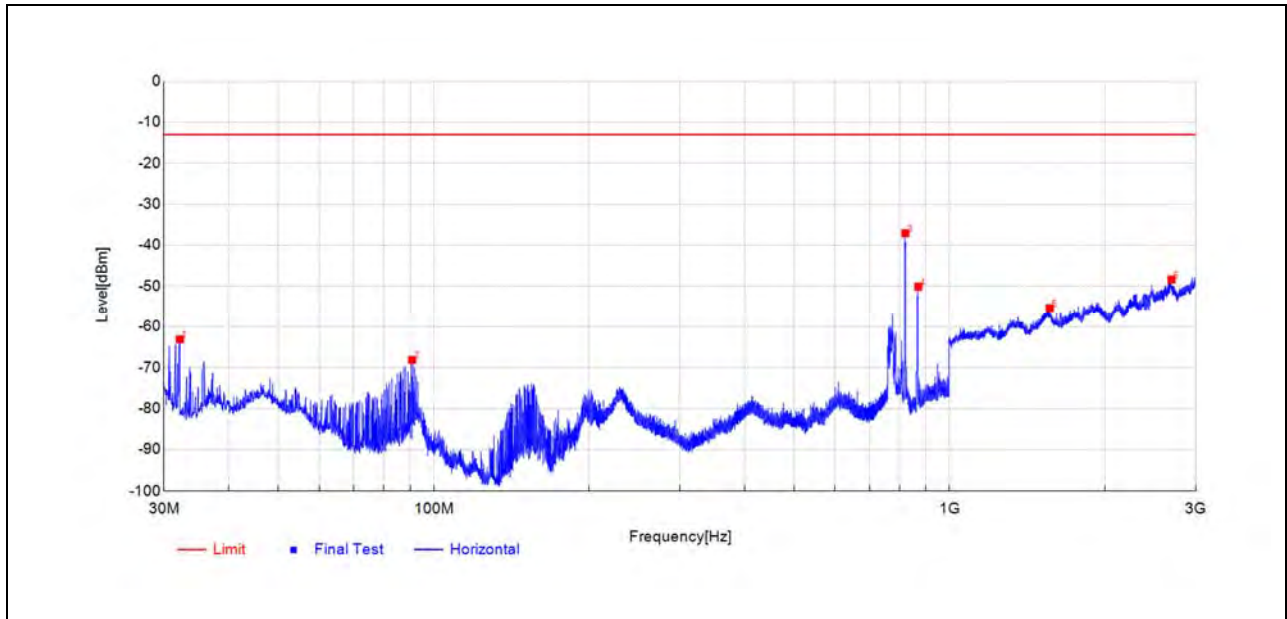
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
33.0072	-49.60	-69.35	-19.8	-13.0	56.4	Vertical	PASS
202.3776	-56.34	-75.40	-19.1	-13.0	62.4	Vertical	PASS
821.5111	-35.28	-40.69	-5.4	-13.0	27.7	Vertical	NA
866.5213	-41.29	-47.64	-6.4	-13.0	34.6	Vertical	NA
1558.9118	-57.30	-55.17	2.1	-13.0	42.2	Vertical	PASS
2467.4935	-56.23	-48.89	7.3	-13.0	35.9	Vertical	PASS



(Antenna Vertical, 3GHz to 18GHz)

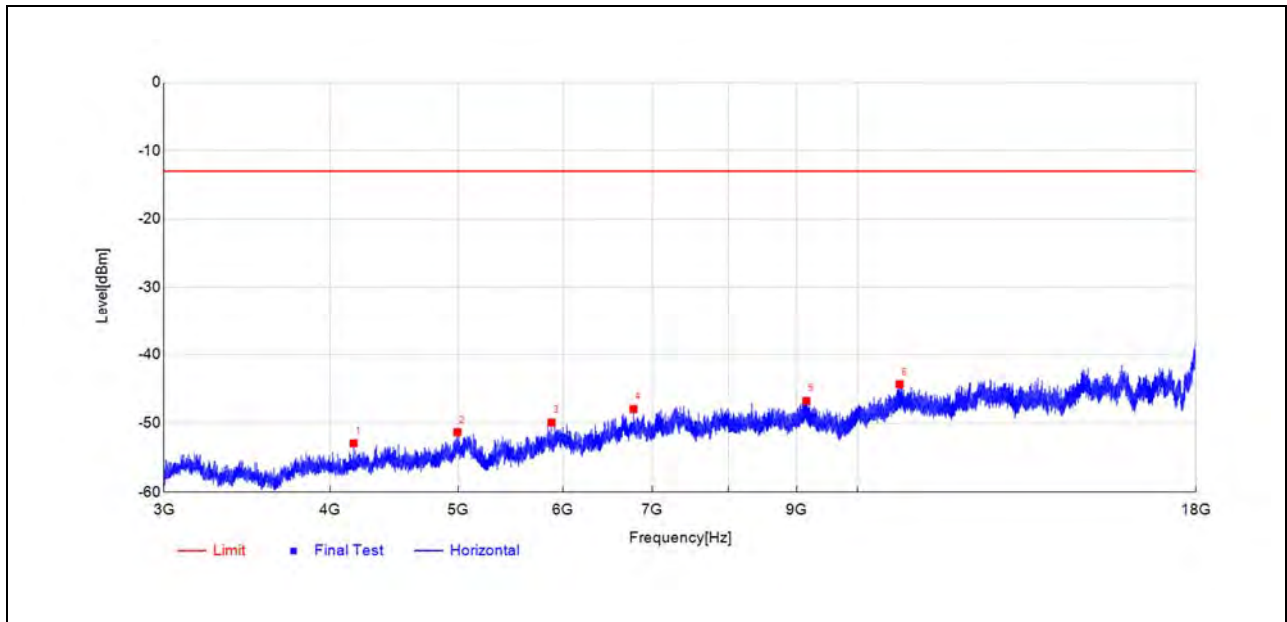
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3040.0013	-51.72	-55.35	-3.6	-13.0	42.4	Vertical	PASS
5069.569	-52.98	-51.28	1.7	-13.0	38.3	Vertical	PASS
5859.0953	-53.42	-49.74	3.7	-13.0	36.7	Vertical	PASS
6691.6231	-55.34	-48.79	6.6	-13.0	35.8	Vertical	PASS
7307.1436	-54.83	-46.84	8.0	-13.0	33.8	Vertical	PASS
9134.7045	-55.06	-46.54	8.5	-13.0	33.5	Vertical	PASS
10774.7592	-57.16	-45.39	11.8	-13.0	32.4	Vertical	PASS

Plot for High Channel



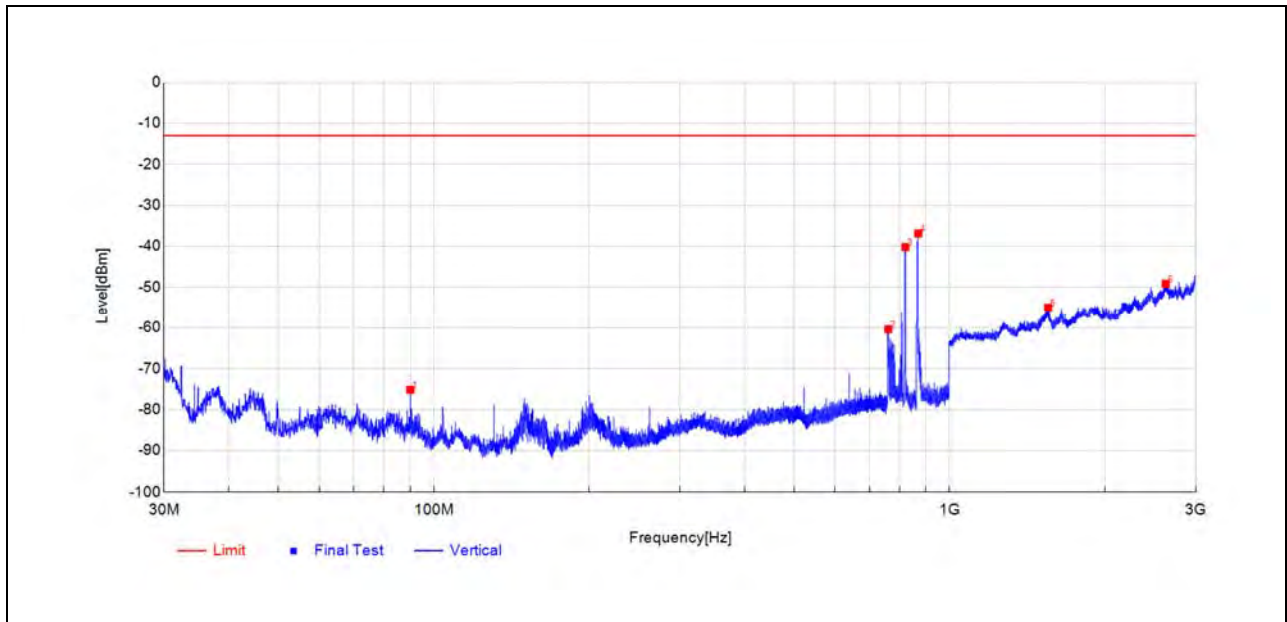
(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
32.1826	-52.12	-63.14	-11.0	-13.0	50.1	Horizontal	PASS
90.6765	-46.26	-68.25	-22.0	-13.0	55.3	Horizontal	PASS
821.6081	-31.67	-37.10	-5.4	-13.0	24.1	Horizontal	NA
868.6069	-42.10	-50.14	-8.0	-13.0	37.1	Horizontal	NA
1561.7123	-57.66	-55.31	2.4	-13.0	42.3	Horizontal	PASS
2689.5379	-58.65	-48.39	10.3	-13.0	35.4	Horizontal	PASS



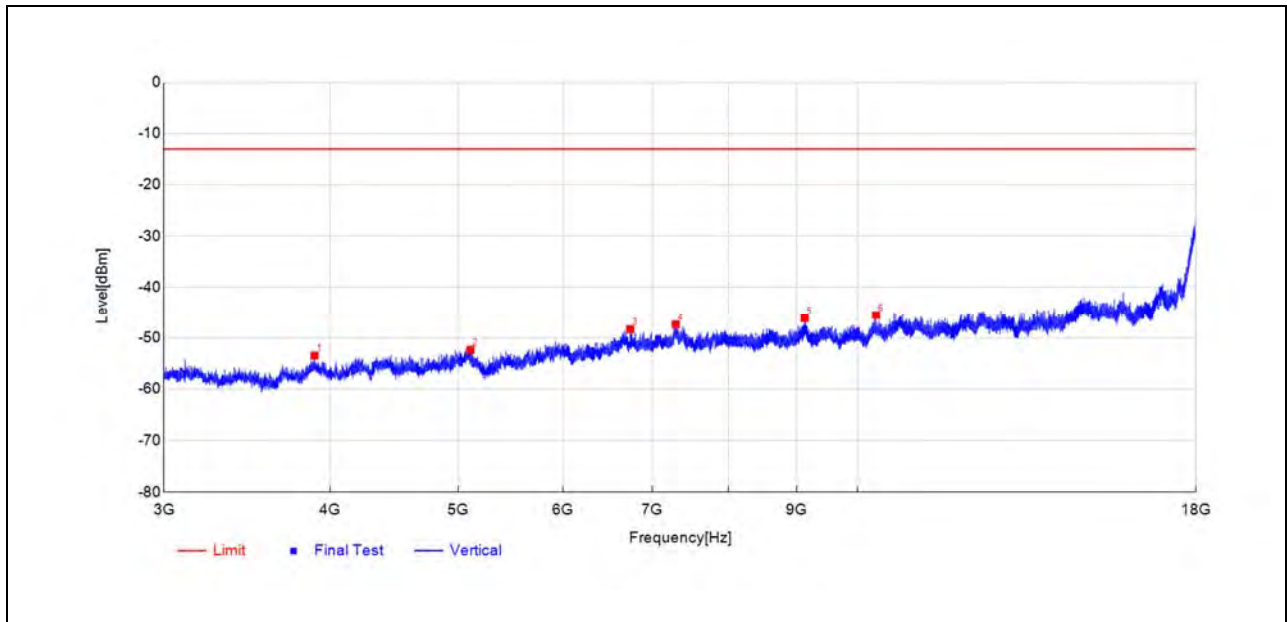
(Antenna Horizontal, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
4171.039	-51.63	-53.01	-1.4	-13.0	40.0	Horizontal	PASS
4995.5665	-53.00	-51.35	1.7	-13.0	38.4	Horizontal	PASS
5879.596	-53.88	-49.91	4.0	-13.0	36.9	Horizontal	PASS
6782.6261	-54.35	-47.92	6.4	-13.0	34.9	Horizontal	PASS
9160.7054	-56.17	-46.71	9.5	-13.0	33.7	Horizontal	PASS
10766.7589	-56.36	-44.36	12.0	-13.0	31.4	Horizontal	PASS



(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
90.24	-55.10	-75.24	-20.1	-13.0	62.2	Vertical	PASS
759.816	-52.90	-60.52	-7.6	-13.0	47.5	Vertical	PASS
821.7051	-34.74	-40.14	-5.4	-13.0	27.1	Vertical	NA
868.7039	-30.44	-36.78	-6.3	-13.0	23.8	Vertical	NA
1552.5105	-57.59	-54.99	2.6	-13.0	42.0	Vertical	PASS
2625.9252	-58.11	-49.12	9.0	-13.0	36.1	Vertical	PASS



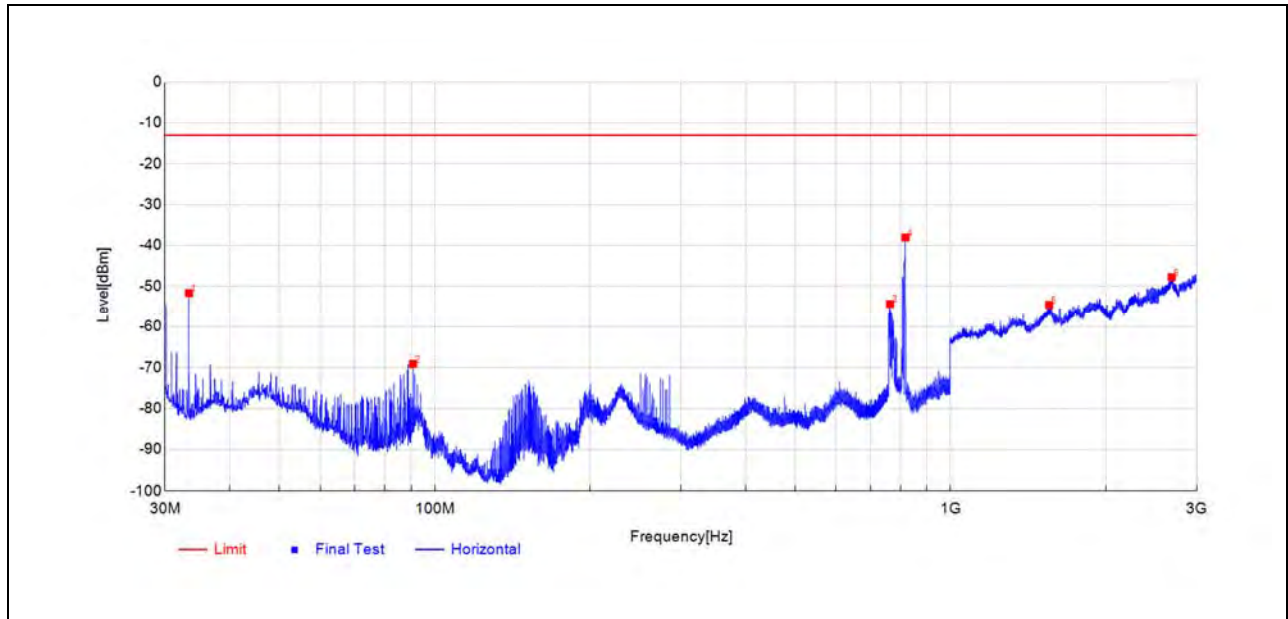
(Antenna Vertical, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3898.0299	-52.07	-53.54	-1.5	-13.0	40.5	Vertical	PASS
5108.0703	-54.15	-52.37	1.8	-13.0	39.4	Vertical	PASS
6746.6249	-54.31	-48.38	5.9	-13.0	35.4	Vertical	PASS
7298.6433	-55.45	-47.40	8.1	-13.0	34.4	Vertical	PASS
9130.7044	-54.63	-46.15	8.5	-13.0	33.2	Vertical	PASS
10333.7445	-55.44	-45.47	10.0	-13.0	32.5	Vertical	PASS



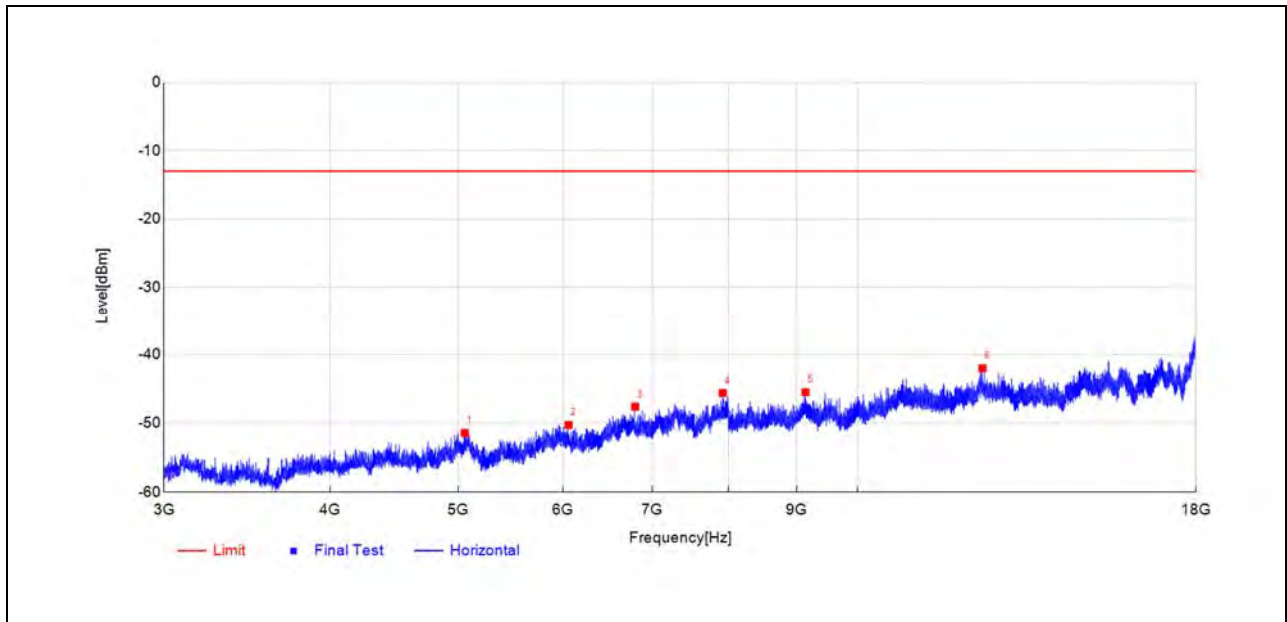
LTE Band 26

Plot for Low Channel



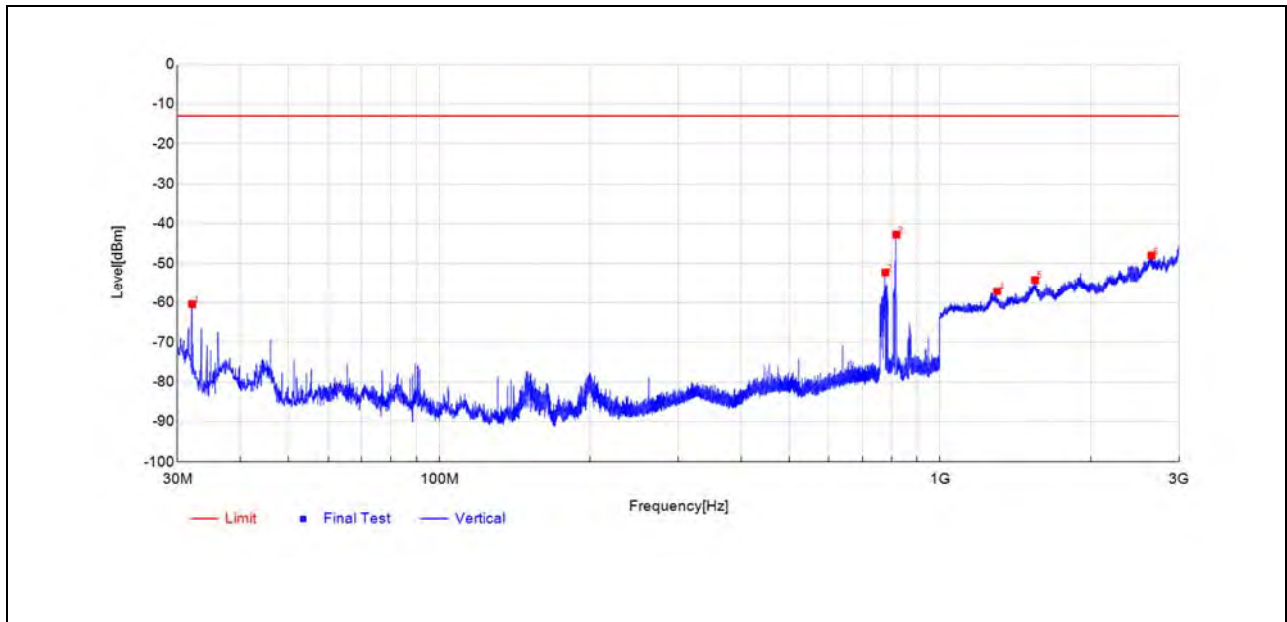
(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
33.3952	-40.90	-51.72	-10.8	-13.0	38.7	Horizontal	PASS
90.919	-47.13	-69.15	-22.0	-13.0	56.2	Horizontal	PASS
763.0657	-49.10	-54.31	-5.2	-13.0	41.3	Horizontal	PASS
817.3399	-32.70	-38.01	-5.3	-13.0	25.0	Horizontal	NA
1550.9102	-57.16	-54.63	2.5	-13.0	41.6	Horizontal	PASS
2683.1366	-57.72	-47.84	9.9	-13.0	34.8	Horizontal	PASS



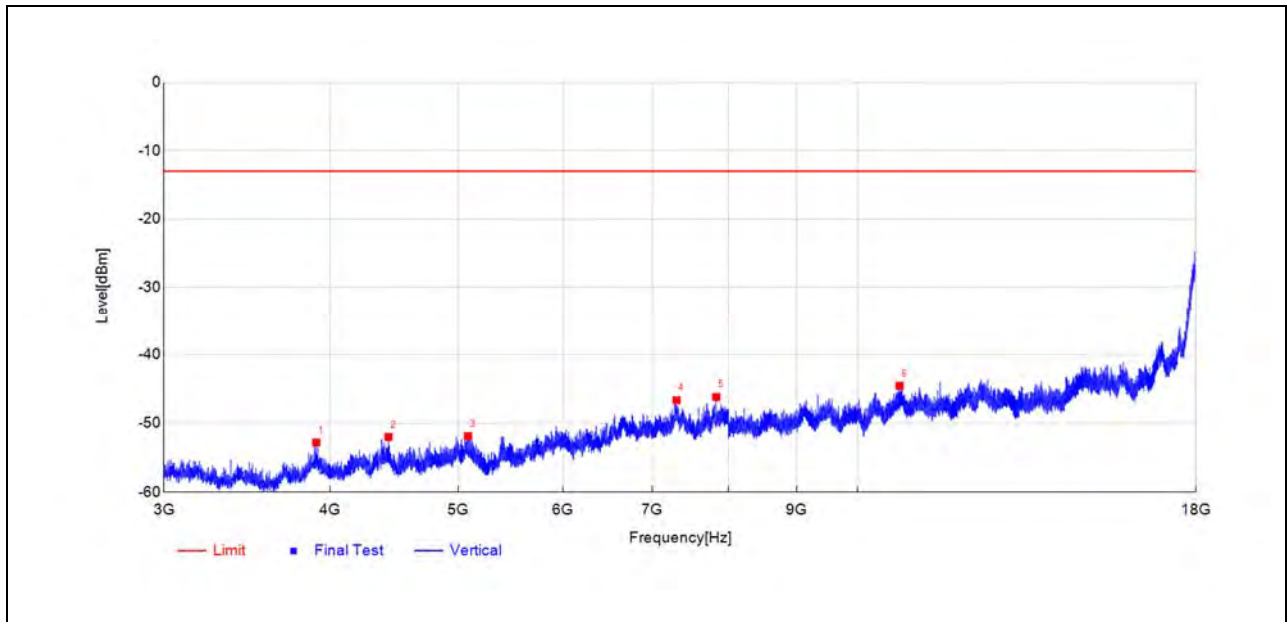
(Antenna Horizontal, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5058.0686	-53.60	-51.42	2.2	-13.0	38.4	Horizontal	PASS
6055.6019	-54.34	-50.21	4.1	-13.0	37.2	Horizontal	PASS
6796.6266	-54.18	-47.63	6.6	-13.0	34.6	Horizontal	PASS
7919.664	-53.04	-45.64	7.4	-13.0	32.6	Horizontal	PASS
9138.2046	-54.77	-45.44	9.3	-13.0	32.4	Horizontal	PASS
12423.3141	-56.83	-41.97	14.9	-13.0	29.0	Horizontal	PASS



(Antenna Vertical, 30MHz to 3GHz)

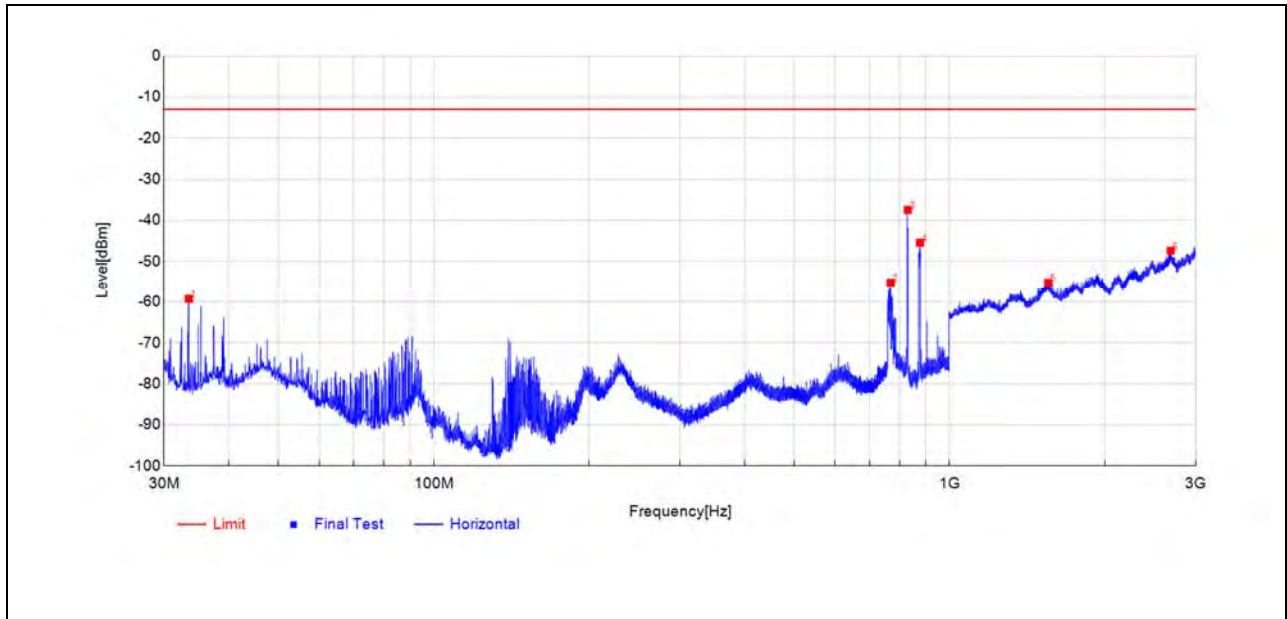
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
32.0371	-40.42	-60.46	-20.0	-13.0	47.5	Vertical	PASS
777.6164	-46.30	-52.34	-6.0	-13.0	39.3	Vertical	PASS
818.6494	-37.17	-42.66	-5.5	-13.0	29.7	Vertical	NA
1299.6599	-56.45	-57.20	-0.8	-13.0	44.2	Vertical	PASS
1546.1092	-56.83	-54.11	2.7	-13.0	41.1	Vertical	PASS
2647.5295	-57.13	-47.95	9.2	-13.0	35.0	Vertical	PASS



(Antenna Vertical, 3GHz to 18GHz)

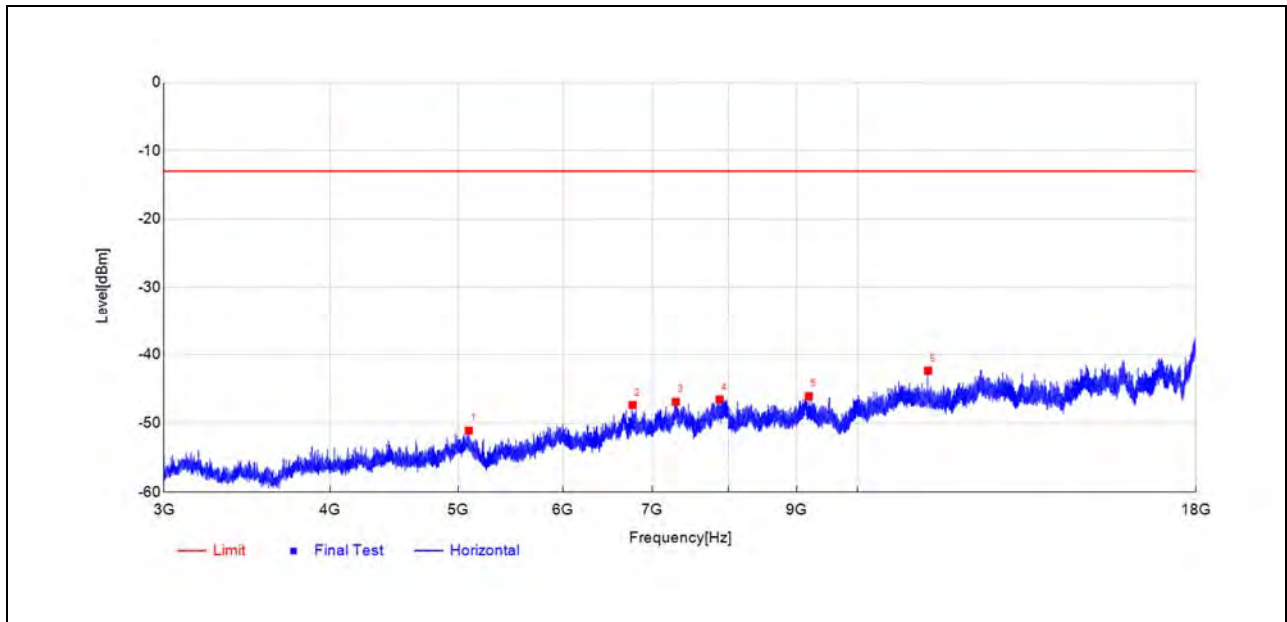
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3909.5303	-51.30	-52.84	-1.5	-13.0	39.8	Vertical	PASS
4432.0477	-51.65	-52.04	-0.4	-13.0	39.0	Vertical	PASS
5086.5696	-53.77	-51.92	1.9	-13.0	38.9	Vertical	PASS
7303.1434	-54.66	-46.60	8.1	-13.0	33.6	Vertical	PASS
7833.1611	-52.51	-46.16	6.4	-13.0	33.2	Vertical	PASS
10759.7587	-56.23	-44.59	11.6	-13.0	31.6	Vertical	PASS

Plot for Mid Channel



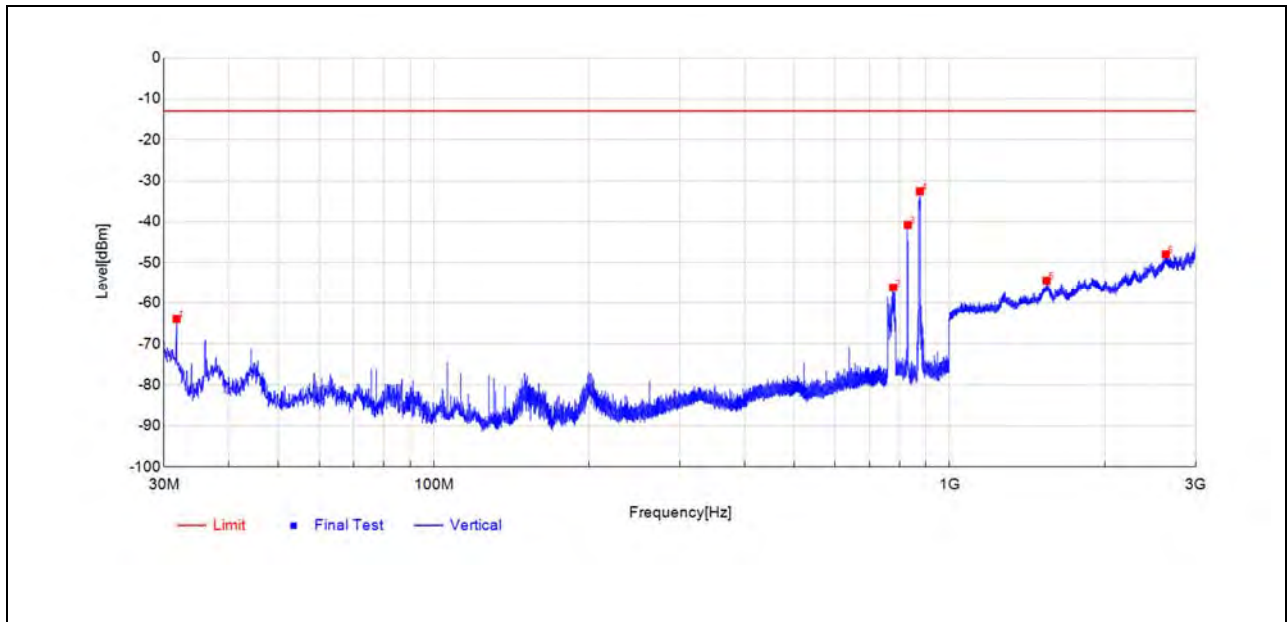
(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
33.4922	-48.45	-59.26	-10.8	-13.0	46.3	Horizontal	PASS
769.177	-50.90	-55.13	-4.2	-13.0	42.1	Horizontal	PASS
829.7565	-31.84	-37.51	-5.7	-13.0	24.5	Horizontal	NA
876.0763	-37.83	-45.51	-7.7	-13.0	32.5	Horizontal	NA
1551.7103	-57.62	-55.11	2.5	-13.0	42.1	Horizontal	PASS
2688.3377	-57.64	-47.45	10.2	-13.0	34.5	Horizontal	PASS



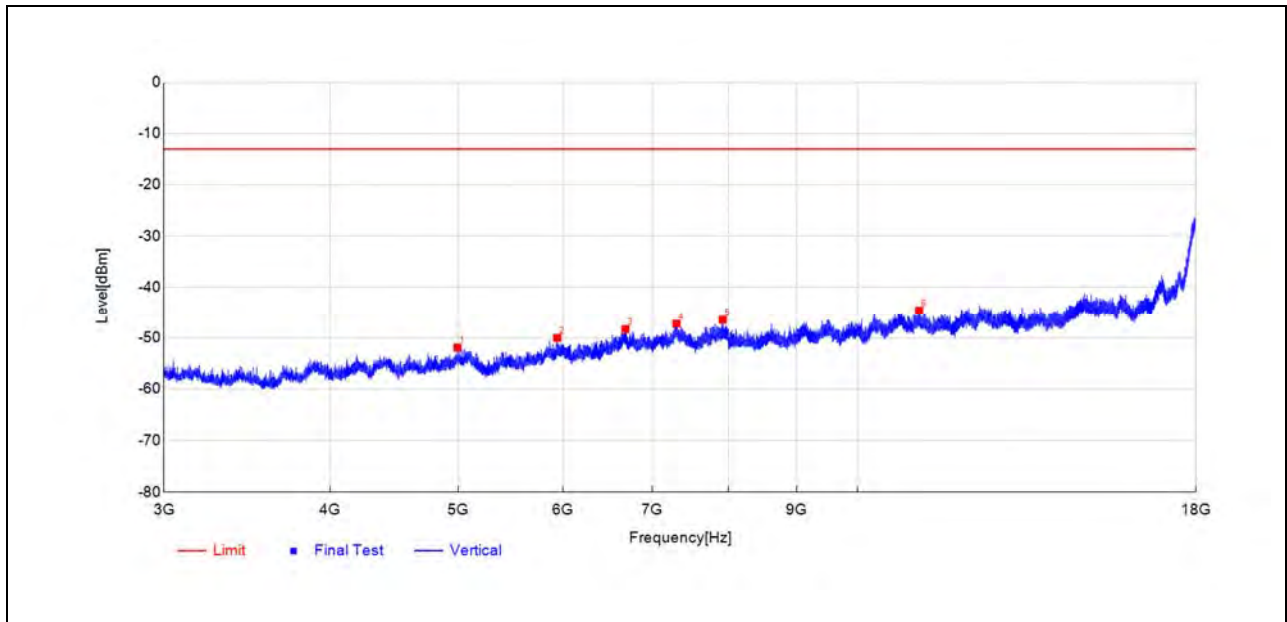
(Antenna Horizontal, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5097.0699	-53.57	-51.07	2.5	-13.0	38.1	Horizontal	PASS
6767.1256	-53.67	-47.37	6.3	-13.0	34.4	Horizontal	PASS
7300.6434	-54.95	-46.87	8.1	-13.0	33.9	Horizontal	PASS
7871.1624	-53.67	-46.54	7.1	-13.0	33.5	Horizontal	PASS
9197.7066	-55.26	-46.03	9.2	-13.0	33.0	Horizontal	PASS
11315.2772	-54.82	-42.37	12.5	-13.0	29.4	Horizontal	PASS



(Antenna Vertical, 30MHz to 3GHz)

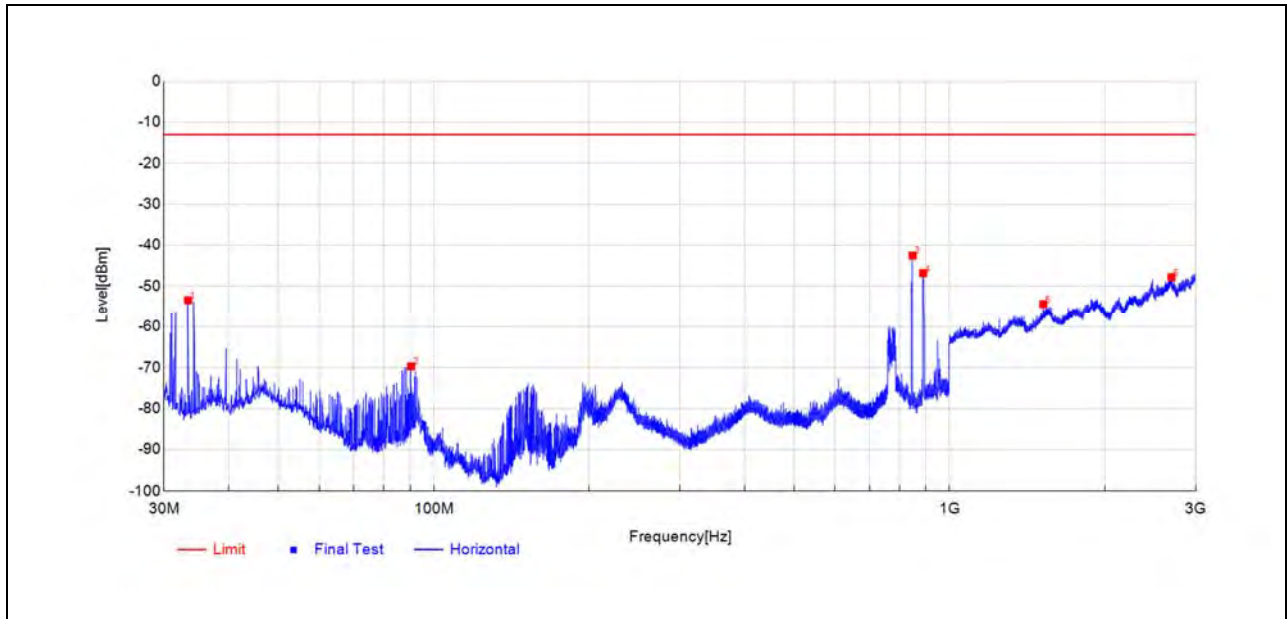
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
31.7946	-43.79	-63.89	-20.1	-13.0	50.9	Vertical	PASS
777.0829	-50.07	-56.10	-6.0	-13.0	43.1	Vertical	PASS
829.902	-35.60	-40.76	-5.2	-13.0	27.8	Vertical	NA
877.5314	-26.47	-32.54	-6.1	-13.0	19.5	Vertical	NA
1543.3087	-57.14	-54.46	2.7	-13.0	41.5	Vertical	PASS
2626.3253	-57.06	-48.06	9.0	-13.0	35.1	Vertical	PASS



(Antenna Vertical, 3GHz to 18GHz)

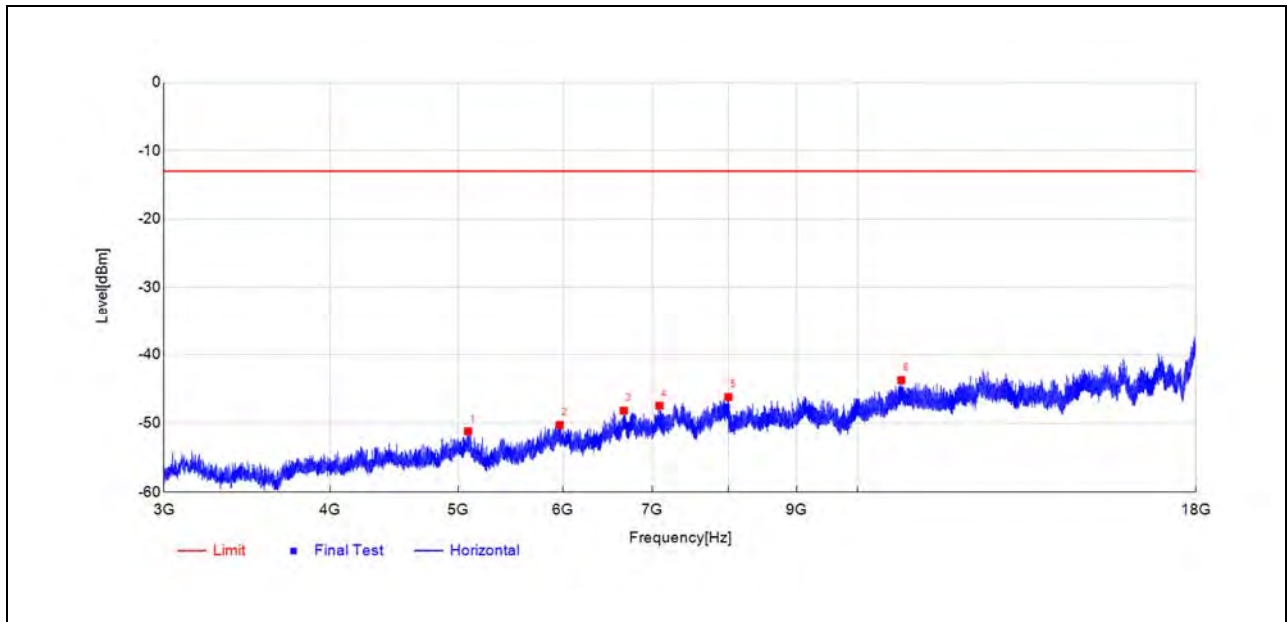
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
4991.5664	-52.86	-51.88	1.0	-13.0	38.9	Vertical	PASS
5943.0981	-54.18	-50.10	4.1	-13.0	37.1	Vertical	PASS
6685.6229	-54.85	-48.31	6.5	-13.0	35.3	Vertical	PASS
7303.1434	-55.24	-47.18	8.1	-13.0	34.2	Vertical	PASS
7915.1638	-53.14	-46.50	6.6	-13.0	33.5	Vertical	PASS
11128.771	-56.42	-44.64	11.8	-13.0	31.6	Vertical	PASS

Plot for High Channel



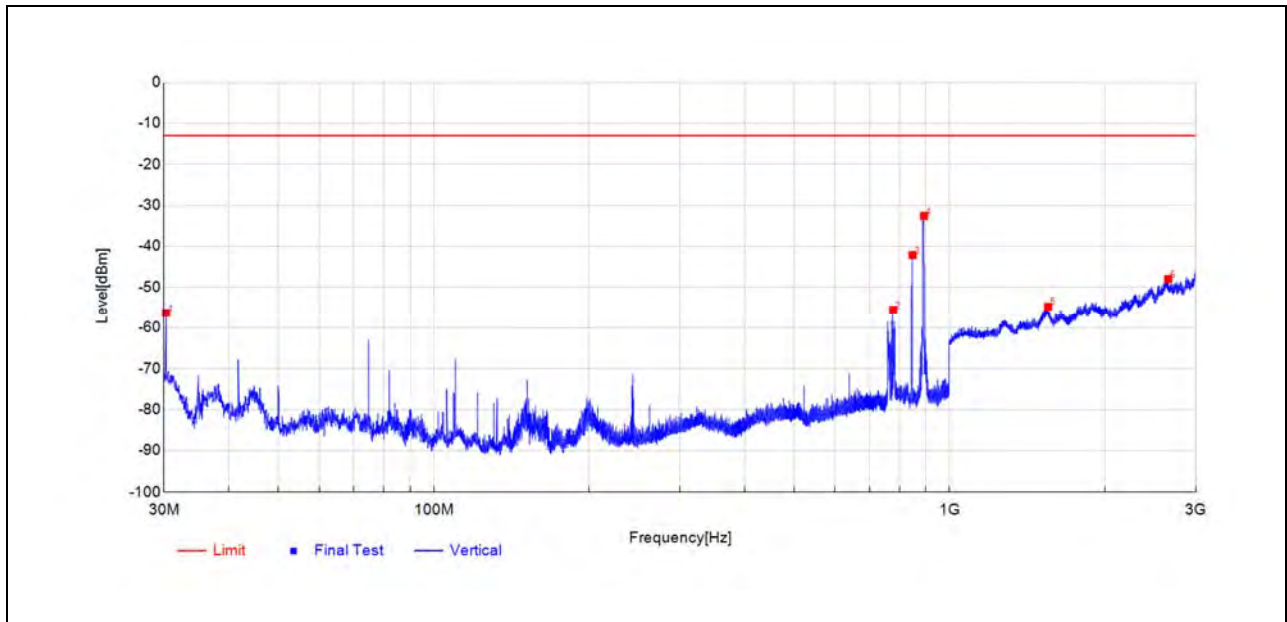
(Antenna Horizontal, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
33.4437	-42.58	-53.40	-10.8	-13.0	40.4	Horizontal	PASS
90.434	-47.71	-69.68	-22.0	-13.0	56.7	Horizontal	PASS
847.7509	-34.86	-42.45	-7.6	-13.0	29.5	Horizontal	NA
890.239	-39.95	-46.76	-6.8	-13.0	33.8	Horizontal	NA
1521.7043	-56.03	-54.39	1.6	-13.0	41.4	Horizontal	PASS
2691.5383	-57.98	-47.81	10.2	-13.0	34.8	Horizontal	PASS



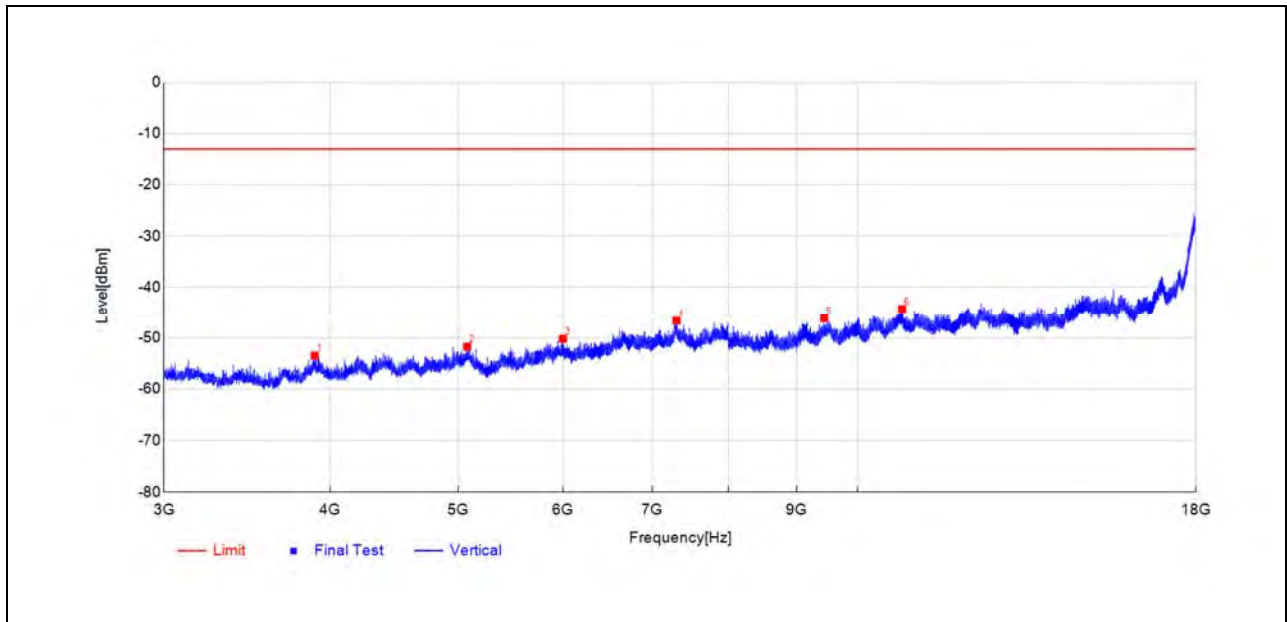
(Antenna Horizontal, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
5085.5695	-53.65	-51.25	2.4	-13.0	38.3	Horizontal	PASS
5961.0987	-54.76	-50.21	4.6	-13.0	37.2	Horizontal	PASS
6668.1223	-54.51	-48.16	6.4	-13.0	35.2	Horizontal	PASS
7091.1364	-53.93	-47.48	6.5	-13.0	34.5	Horizontal	PASS
7993.1664	-53.36	-46.15	7.2	-13.0	33.2	Horizontal	PASS
10790.2597	-55.91	-43.68	12.2	-13.0	30.7	Horizontal	PASS



(Antenna Vertical, 30MHz to 3GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
30.291	-35.86	-56.41	-20.6	-13.0	43.4	Vertical	PASS
776.4523	-49.51	-55.53	-6.0	-13.0	42.5	Vertical	PASS
847.8964	-35.89	-42.21	-6.3	-13.0	29.2	Vertical	NA
891.4031	-26.91	-32.59	-5.7	-13.0	19.6	Vertical	NA
1551.3103	-57.39	-54.70	2.7	-13.0	41.7	Vertical	PASS
2650.7301	-57.09	-47.94	9.2	-13.0	34.9	Vertical	PASS



(Antenna Vertical, 3GHz to 18GHz)

Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Verdict
3898.0299	-52.08	-53.55	-1.5	-13.0	40.6	Vertical	PASS
5080.5694	-53.50	-51.70	1.8	-13.0	38.7	Vertical	PASS
5994.0998	-54.41	-50.22	4.2	-13.0	37.2	Vertical	PASS
7310.1437	-54.60	-46.65	8.0	-13.0	33.7	Vertical	PASS
9444.2148	-55.13	-46.16	9.0	-13.0	33.2	Vertical	PASS
10804.7602	-56.23	-44.29	11.9	-13.0	31.3	Vertical	PASS



Annex A Test Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for test performed on the EUT as specified in CISPR 16-1-2:

Test items	Uncertainty
Output Power	± 2.22 dB
Bandwidth	$\pm 5\%$
Conducted Spurious Emission	± 2.77 dB
Band Edge	± 2.77 dB
Equivalent Isotropic Radiated Power	± 2.22 dB
Radiated Spurious Emissions	± 6 dB

This uncertainty represent an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k=2$.



Annex B Testing Laboratory Information

1. Identification of the Responsible Testing Laboratory

Laboratory Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Laboratory Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China
Telephone:	+86 755 36698555
Facsimile:	+86 755 36698525

2. Identification of the Responsible Testing Location

Name:	Shenzhen Morlab Communications Technology Co., Ltd.
Address:	FL.3, Building A, FeiYang Science Park, No.8 LongChang Road, Block 67, BaoAn District, ShenZhen, GuangDong Province, P. R. China

3. Facilities and Accreditations

All measurement facilities used to collect the measurement data are located at FL.3, Building A, FeiYang Science Park, Block 67, BaoAn District, Shenzhen, 518101 P. R. China. The test site is constructed in conformance with the requirements of ANSI C63.10-2020 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



REPORT No.: SZ25060347W08

4. Test Equipment Utilized

4.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY51511149	N9020A	Agilent	2025.05.15	2026.05.14
Communication Test Station	6200995016	MT8820C	Anritsu	2024.09.11	2025.09.10
Temperature Chamber	S022177101 00089002	KMT-36LF 1A0	KOMEG	2024.09.11	2025.09.10

4.2 List of Software Used

Description	Manufacturer	Software Version
Morlab FCC LTE Test System	MORLAB	V7.99
JS36-RSE	Tonscend	5.0.0

**4.3 Radiated Test Equipment**

Equipment Name	Serial No.	Type	Manufacturer	Cal. Date	Due Date
System Simulator	152038	CMW500	R&S	2024.09.11	2025.09.10
Receiver	MY56060145	N9020A	Agilent	2025.05.13	2026.05.12
Test Antenna - Bi-Log	9163-274	VULB 9163	Schwarzbeck	2025.06.28	2026.06.27
Test Antenna - Loop	00131	FMZB1519B	Schwarzbeck	2024.09.19	2025.09.18
Test Antenna – Horn	01774	BBHA 9120D	Schwarzbeck	2025.06.20	2026.06.19
Test Antenna – Horn	BBHA9170 #773	BBHA9170	Schwarzbeck	2025.06.20	2026.06.19
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2025.05.13	2026.05.12
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-K K-0.5	Qualwave	2024.09.11	2025.09.10
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2024.09.11	2025.09.10
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2025.05.13	2026.05.12
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118-40C-S	Decentest	2025.05.13	2026.05.12
Notch Filter	N/A	WRCGV -LTE B14	Wainwright	N/A	N/A
Notch Filter	N/A	WRCGV -LTE B18	Wainwright	N/A	N/A
Notch Filter	N/A	WRCGV -LTE B26	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.06.21	2028.06.20



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Anechoic Chamber	N/A	9m*6m*6m	CRT	2022.11.30	2025.11.29
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