



REPORT No.: SZ25120010W02

TEST REPORT

APPLICANT : Fibocom Wireless Inc.

PRODUCT NAME : LTE Module

MODEL NAME : LE271-GL

BRAND NAME : Fibocom

FCC ID : ZMOLE271GL

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

RECEIPT DATE : 2025-12-03

TEST DATE : 2025-12-17 to 2026-01-08

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DIRECTORY

1. Technical Information	3
1.1. Applicant and Manufacturer Information	3
1.2. Equipment Under Test (EUT) Description	3
1.3. Maximum E.R.P./E.I.R.P. and Emission Designator	4
1.4. Test Standards and Results	5
1.5. Environmental Conditions	6
2. 47 CFR Part 2, Part 90S Requirements	7
2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.	7
2.2. Occupied Bandwidth	20
2.3. Frequency Stability	32
2.4. Conducted Spurious Emissions	35
2.5. Band Edge	39
2.6. Radiated Spurious Emissions	45
Annex A Test Uncertainty	62
Annex B Testing Laboratory Information	63

Change History		
Version	Date	Reason for change
1.0	2026-02-04	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Fibocom Wireless Inc.
Applicant Address:	1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China.
Manufacturer:	Fibocom Wireless Inc.
Manufacturer Address:	1101, Tower A, Building 6, Shenzhen International Innovation Valley, Dashi 1st Rd, Nanshan, Shenzhen, China.

1.2. Equipment Under Test (EUT) Description

Product Name:	LTE Module	
Sample No.:	1#, 9#	
Hardware Version:	V1.2	
Software Version:	12007.6000.00.05.84.04	
Modulation Type:	QPSK, 16QAM, 64QAM	
UE Category:	Cat 1bis	
Operation Band:	Band 14 / 26	
Frequency Range:	LTE Band 14	Tx: 788MHz–798MHz
		Rx: 758MHz–768MHz
	LTE Band 26	Tx: 814MHz–824MHz
		Rx: 859MHz–869MHz
Channel Bandwidth	LTE Band 14	5MHz, 10MHz
	LTE Band 26	1.4MHz, 3MHz, 5MHz, 10MHz
Antenna Type:	External Rod Antenna	
Antenna Gain:	LTE Band 14	8.66dBi
	LTE Band 26	8.91dBi

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 Conducted Output Power and Emission Designator

LTE Band 14	Maximum Conducted Output Power (dBm)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	23.64	22.73	21.52	8M96G7D	4M52W7D	2M20W7D
5	23.49	22.76	21.61	4M52G7D	4M50W7D	2M19W7D
LTE Band 26	Maximum Conducted Output Power (dBm)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	23.60	23.08	22.97	9M01G7D	4M54W7D	2M21W7D
5	23.50	23.08	23.51	4M52G7D	4M51W7D	2M19W7D
3	23.51	23.10	23.13	2M72G7D	2M72W7D	2M21W7D
1.4	23.70	23.19	23.06	1M10G7D	1M11W7D	1M11W7D



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, 90.635(b)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Dec. 25, 2025	Yu Zhizheng Liu Huiyan	PASS ^{Note3}	/
2.1049, 90.209	Occupied Bandwidth	Dec. 25, 2025	Liu Huiyan	PASS	/
2.1055, 90.213	Frequency Stability	Dec. 25, 2025	Liu Huiyan	PASS	/
2.1051, 90.691	Conducted Spurious Emissions	Dec. 25, 2025	Liu Huiyan	PASS	/
2.1051, 90.691	Band Edge	Dec. 25, 2025	Liu Huiyan	PASS	/
2.1053, 90.691	Radiated Spurious Emissions	Jan. 07&08, 2026	Li Hanbin	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

2.47 CFR Part 2, Part 90S Requirements

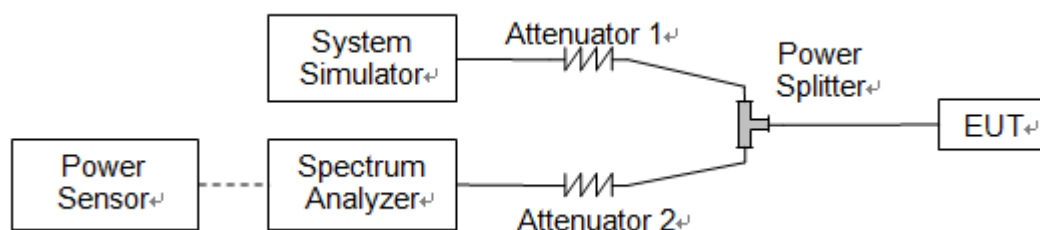
2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.

2.1.1. Requirement

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 90.635(b) for LTE Band 26, the maximum output power of the transmitter for mobile stations is 100 watts.

2.1.2. 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.

2.1.3. Test procedure

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

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

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

**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	/	23.64	/
10	QPSK	1	25	/	23.38	/
10	QPSK	1	49	/	23.40	/
10	QPSK	25	0	/	22.39	/
10	QPSK	25	12	/	22.49	/
10	QPSK	25	25	/	22.53	/
10	QPSK	50	0	/	22.51	/
10	16QAM	1	0	/	22.73	/
10	16QAM	1	12	/	22.58	/
10	16QAM	1	24	/	22.51	/
10	16QAM	25	0	/	21.26	/
10	16QAM	25	24	/	21.27	/
10	64QAM	1	0	/	21.33	/
10	64QAM	1	5	/	21.39	/
10	64QAM	1	11	/	21.52	/
10	64QAM	6	0	/	21.19	/
10	64QAM	6	2	/	21.12	/
10	64QAM	6	6	/	21.08	/
10	64QAM	12	0	/	21.03	/



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	23.36	23.49	23.41
5	QPSK	1	12	23.35	23.38	23.39
5	QPSK	1	24	23.25	23.40	23.42
5	QPSK	12	0	22.36	22.39	22.30
5	QPSK	12	7	22.58	22.49	22.56
5	QPSK	12	13	22.58	22.53	22.50
5	QPSK	25	0	22.52	22.51	22.57
5	16QAM	1	0	22.76	22.73	22.60
5	16QAM	1	12	22.51	22.58	22.58
5	16QAM	1	24	22.56	22.51	22.62
5	16QAM	12	0	21.33	21.35	21.46
5	16QAM	12	7	21.31	21.36	21.33
5	16QAM	12	13	21.43	21.40	21.42
5	64QAM	1	0	21.47	21.42	21.32
5	64QAM	1	5	21.53	21.48	21.46
5	64QAM	1	11	21.59	21.61	21.55
5	64QAM	6	0	21.31	21.51	21.35
5	64QAM	6	2	21.38	21.44	21.46
5	64QAM	6	6	21.33	21.40	21.34
5	64QAM	12	0	21.37	21.35	21.38



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	/	23.31	/
10	QPSK	1	25	/	23.60	/
10	QPSK	1	49	/	23.12	/
10	QPSK	25	0	/	23.52	/
10	QPSK	25	12	/	23.38	/
10	QPSK	25	25	/	23.31	/
10	QPSK	50	0	/	23.49	/
10	16QAM	1	0	/	22.38	/
10	16QAM	1	12	/	23.08	/
10	16QAM	1	24	/	23.00	/
10	16QAM	25	0	/	22.48	/
10	16QAM	25	24	/	22.46	/
10	64QAM	1	0	/	22.47	/
10	64QAM	1	5	/	22.75	/
10	64QAM	1	11	/	22.97	/
10	64QAM	6	0	/	22.57	/
10	64QAM	6	2	/	22.32	/
10	64QAM	6	6	/	22.30	/
10	64QAM	12	0	/	22.18	/



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				26715	26740	26765
Frequency (MHz)				816.5	819.0	821.5
5	QPSK	1	0	23.01	23.11	23.39
5	QPSK	1	12	22.70	23.28	23.36
5	QPSK	1	24	23.48	23.18	23.34
5	QPSK	12	0	22.18	23.30	23.50
5	QPSK	12	7	22.13	23.44	23.43
5	QPSK	12	13	23.46	23.42	23.28
5	QPSK	25	0	23.44	23.47	23.42
5	16QAM	1	0	22.17	22.11	23.06
5	16QAM	1	12	22.16	23.08	23.00
5	16QAM	1	24	23.00	23.06	23.05
5	16QAM	12	0	19.66	22.42	22.43
5	16QAM	12	7	19.70	22.32	22.38
5	16QAM	12	13	22.29	22.45	22.56
5	64QAM	1	0	22.15	22.19	23.07
5	64QAM	1	5	22.03	22.98	22.95
5	64QAM	1	11	23.02	22.91	23.04
5	64QAM	6	0	19.70	22.38	22.44
5	64QAM	6	2	19.63	22.36	22.38
5	64QAM	6	6	22.23	22.45	22.47
5	64QAM	12	0	21.99	21.68	23.51



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	22.75	22.73	23.26
3	QPSK	1	8	22.93	23.49	23.30
3	QPSK	1	14	22.62	23.24	23.41
3	QPSK	8	0	22.04	23.26	23.32
3	QPSK	8	4	22.06	23.35	23.40
3	QPSK	8	7	22.00	23.32	23.51
3	QPSK	15	0	22.02	23.27	23.44
3	16QAM	1	0	22.08	21.79	22.99
3	16QAM	1	8	22.28	23.10	23.06
3	16QAM	1	14	21.98	22.99	23.00
3	16QAM	8	0	19.56	22.35	22.36
3	16QAM	8	4	19.59	22.40	22.49
3	16QAM	8	7	19.55	22.42	22.48
3	16QAM	15	0	19.55	22.27	22.33
3	64QAM	1	0	22.08	21.90	22.97
3	64QAM	1	5	22.21	23.06	23.02
3	64QAM	1	11	21.85	22.97	22.97
3	64QAM	6	0	19.43	22.31	22.32
3	64QAM	6	2	19.54	22.23	22.47
3	64QAM	6	6	19.43	22.37	22.45
3	64QAM	12	0	22.04	23.13	22.74



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	22.84	23.33	23.30
1.4	QPSK	1	3	22.91	23.25	23.44
1.4	QPSK	1	5	22.99	23.26	23.35
1.4	QPSK	3	0	22.91	23.70	23.50
1.4	QPSK	3	1	22.84	23.63	23.51
1.4	QPSK	3	3	22.96	23.64	23.44
1.4	QPSK	6	0	22.02	23.26	22.87
1.4	16QAM	1	0	22.15	23.00	23.01
1.4	16QAM	1	3	22.25	22.94	22.98
1.4	16QAM	1	5	22.18	22.82	22.86
1.4	16QAM	3	0	21.97	23.18	22.66
1.4	16QAM	3	1	21.95	23.18	22.70
1.4	16QAM	3	3	21.93	23.19	22.79
1.4	16QAM	6	0	19.84	22.09	22.04
1.4	64QAM	1	0	22.11	22.80	22.77
1.4	64QAM	1	5	22.09	22.80	22.71
1.4	64QAM	1	11	22.08	22.80	22.66
1.4	64QAM	6	0	21.96	23.06	22.63
1.4	64QAM	6	2	22.02	23.05	22.69
1.4	64QAM	6	6	22.02	22.95	22.66
1.4	64QAM	12	0	19.66	22.34	21.90

**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	/	/	30.15	1.035	/	/
10	QPSK	1	25	/	/	29.89	0.975	/	/
10	QPSK	1	49	/	/	29.91	0.979	/	/
10	QPSK	25	0	/	/	28.90	0.776	/	/
10	QPSK	25	12	/	/	29.00	0.794	/	/
10	QPSK	25	25	/	/	29.04	0.802	/	/
10	QPSK	50	0	/	/	29.02	0.798	/	/
10	16QAM	1	0	/	/	29.24	0.839	/	/
10	16QAM	1	12	/	/	29.09	0.811	/	/
10	16QAM	1	24	/	/	29.02	0.798	/	/
10	16QAM	25	0	/	/	27.77	0.598	/	/
10	16QAM	25	24	/	/	27.78	0.600	/	/
10	64QAM	1	0	/	/	27.84	0.608	/	/
10	64QAM	1	5	/	/	27.90	0.617	/	/
10	64QAM	1	11	/	/	28.03	0.635	/	/
10	64QAM	6	0	/	/	27.70	0.589	/	/
10	64QAM	6	2	/	/	27.63	0.579	/	/
10	64QAM	6	6	/	/	27.59	0.574	/	/
10	64QAM	12	0	/	/	27.54	0.568	/	/



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	29.87	0.971	30.00	1.000	29.92	0.982
5	QPSK	1	12	29.86	0.968	29.89	0.975	29.90	0.977
5	QPSK	1	24	29.76	0.946	29.91	0.979	29.93	0.984
5	QPSK	12	0	28.87	0.771	28.90	0.776	28.81	0.760
5	QPSK	12	7	29.09	0.811	29.00	0.794	29.07	0.807
5	QPSK	12	13	29.09	0.811	29.04	0.802	29.01	0.796
5	QPSK	25	0	29.03	0.800	29.02	0.798	29.08	0.809
5	16QAM	1	0	29.27	0.845	29.24	0.839	29.11	0.815
5	16QAM	1	12	29.02	0.798	29.09	0.811	29.09	0.811
5	16QAM	1	24	29.07	0.807	29.02	0.798	29.13	0.818
5	16QAM	12	0	27.84	0.608	27.86	0.611	27.97	0.627
5	16QAM	12	7	27.82	0.605	27.87	0.612	27.84	0.608
5	16QAM	12	13	27.94	0.622	27.91	0.618	27.93	0.621
5	64QAM	1	0	27.98	0.628	27.93	0.621	27.83	0.607
5	64QAM	1	5	28.04	0.637	27.99	0.630	27.97	0.627
5	64QAM	1	11	28.10	0.646	28.12	0.649	28.06	0.640
5	64QAM	6	0	27.82	0.605	28.02	0.634	27.86	0.611
5	64QAM	6	2	27.89	0.615	27.95	0.624	27.97	0.627
5	64QAM	6	6	27.84	0.608	27.91	0.618	27.85	0.610
5	64QAM	12	0	27.88	0.614	27.86	0.611	27.89	0.615



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	/	30.07	1.016	/
10	QPSK	1	25	/	30.36	1.086	/
10	QPSK	1	49	/	29.88	0.973	/
10	QPSK	25	0	/	30.28	1.067	/
10	QPSK	25	12	/	30.14	1.033	/
10	QPSK	25	25	/	30.07	1.016	/
10	QPSK	50	0	/	30.25	1.059	/
10	16QAM	1	0	/	29.14	0.820	/
10	16QAM	1	12	/	29.84	0.964	/
10	16QAM	1	24	/	29.76	0.946	/
10	16QAM	25	0	/	29.24	0.839	/
10	16QAM	25	24	/	29.22	0.836	/
10	64QAM	1	0	/	29.23	0.838	/
10	64QAM	1	5	/	29.51	0.893	/
10	64QAM	1	11	/	29.73	0.940	/
10	64QAM	6	0	/	29.33	0.857	/
10	64QAM	6	2	/	29.08	0.809	/
10	64QAM	6	6	/	29.06	0.805	/
10	64QAM	12	0	/	28.94	0.783	/

LTE Band 26	Measured E.R.P.
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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	29.77	0.948	29.87	0.971	30.15	1.035
5	QPSK	1	12	29.46	0.883	30.04	1.009	30.12	1.028
5	QPSK	1	24	30.24	1.057	29.94	0.986	30.10	1.023
5	QPSK	12	0	28.94	0.783	30.06	1.014	30.26	1.062
5	QPSK	12	7	28.89	0.774	30.20	1.047	30.19	1.045
5	QPSK	12	13	30.22	1.052	30.18	1.042	30.04	1.009
5	QPSK	25	0	30.20	1.047	30.23	1.054	30.18	1.042
5	16QAM	1	0	28.93	0.782	28.87	0.771	29.82	0.959
5	16QAM	1	12	28.92	0.780	29.84	0.964	29.76	0.946
5	16QAM	1	24	29.76	0.946	29.82	0.959	29.81	0.957
5	16QAM	12	0	26.42	0.439	29.18	0.828	29.19	0.830
5	16QAM	12	7	26.46	0.443	29.08	0.809	29.14	0.820
5	16QAM	12	13	29.05	0.804	29.21	0.834	29.32	0.855
5	64QAM	1	0	28.91	0.778	28.95	0.785	29.83	0.962
5	64QAM	1	5	28.79	0.757	29.74	0.942	29.71	0.935
5	64QAM	1	11	29.78	0.951	29.67	0.927	29.80	0.955
5	64QAM	6	0	26.46	0.443	29.14	0.820	29.20	0.832
5	64QAM	6	2	26.39	0.436	29.12	0.817	29.14	0.820
5	64QAM	6	6	28.99	0.793	29.21	0.834	29.23	0.838
5	64QAM	12	0	28.75	0.750	28.44	0.698	30.27	1.064



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	29.51	0.893	29.49	0.889	30.02	1.005
3	QPSK	1	8	29.69	0.931	30.25	1.059	30.06	1.014
3	QPSK	1	14	29.38	0.867	30.00	1.000	30.17	1.040
3	QPSK	8	0	28.80	0.759	30.02	1.005	30.08	1.019
3	QPSK	8	4	28.82	0.762	30.11	1.026	30.16	1.038
3	QPSK	8	7	28.76	0.752	30.08	1.019	30.27	1.064
3	QPSK	15	0	28.78	0.755	30.03	1.007	30.20	1.047
3	16QAM	1	0	28.84	0.766	28.55	0.716	29.75	0.944
3	16QAM	1	8	29.04	0.802	29.86	0.968	29.82	0.959
3	16QAM	1	14	28.74	0.748	29.75	0.944	29.76	0.946
3	16QAM	8	0	26.32	0.429	29.11	0.815	29.12	0.817
3	16QAM	8	4	26.35	0.432	29.16	0.824	29.25	0.841
3	16QAM	8	7	26.31	0.428	29.18	0.828	29.24	0.839
3	16QAM	15	0	26.31	0.428	29.03	0.800	29.09	0.811
3	64QAM	1	0	28.84	0.766	28.66	0.735	29.73	0.940
3	64QAM	1	5	28.97	0.789	29.82	0.959	29.78	0.951
3	64QAM	1	11	28.61	0.726	29.73	0.940	29.73	0.940
3	64QAM	6	0	26.19	0.416	29.07	0.807	29.08	0.809
3	64QAM	6	2	26.30	0.427	28.99	0.793	29.23	0.838
3	64QAM	6	6	26.19	0.416	29.13	0.818	29.21	0.834
3	64QAM	12	0	28.80	0.759	29.89	0.975	29.50	0.891



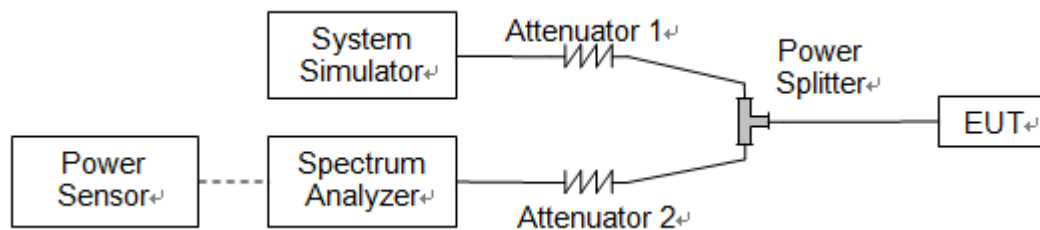
LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26697		26740		26783	
Frequency (MHz)				814.7		819.0		823.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	29.60	0.912	30.09	1.021	30.06	1.014
1.4	QPSK	1	3	29.67	0.927	30.01	1.002	30.20	1.047
1.4	QPSK	1	5	29.75	0.944	30.02	1.005	30.11	1.026
1.4	QPSK	3	0	29.67	0.927	30.46	1.112	30.26	1.062
1.4	QPSK	3	1	29.60	0.912	30.39	1.094	30.27	1.064
1.4	QPSK	3	3	29.72	0.938	30.40	1.096	30.20	1.047
1.4	QPSK	6	0	28.78	0.755	30.02	1.005	29.63	0.918
1.4	16QAM	1	0	28.91	0.778	29.76	0.946	29.77	0.948
1.4	16QAM	1	3	29.01	0.796	29.70	0.933	29.74	0.942
1.4	16QAM	1	5	28.94	0.783	29.58	0.908	29.62	0.916
1.4	16QAM	3	0	28.73	0.746	29.94	0.986	29.42	0.875
1.4	16QAM	3	1	28.71	0.743	29.94	0.986	29.46	0.883
1.4	16QAM	3	3	28.69	0.740	29.95	0.989	29.55	0.902
1.4	16QAM	6	0	26.60	0.457	28.85	0.767	28.80	0.759
1.4	64QAM	1	0	28.87	0.771	29.56	0.904	29.53	0.897
1.4	64QAM	1	5	28.85	0.767	29.56	0.904	29.47	0.885
1.4	64QAM	1	11	28.84	0.766	29.56	0.904	29.42	0.875
1.4	64QAM	6	0	28.72	0.745	29.82	0.959	29.39	0.869
1.4	64QAM	6	2	28.78	0.755	29.81	0.957	29.45	0.881
1.4	64QAM	6	6	28.78	0.755	29.71	0.935	29.42	0.875
1.4	64QAM	12	0	26.42	0.439	29.10	0.813	28.66	0.735

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	4.5188	5.3121	PASS
B14	5	Low	23305	790.5	16QAM	4.4989	5.2760	PASS
B14	5	Low	23305	790.5	64QAM	2.1768	2.7030	PASS
B14	5	Mid	23330	793	QPSK	4.5058	5.4211	PASS
B14	5	Mid	23330	793	16QAM	4.4976	5.5028	PASS
B14	5	Mid	23330	793	64QAM	2.1839	2.6172	PASS
B14	5	High	23355	795.5	QPSK	4.5054	5.4238	PASS
B14	5	High	23355	795.5	16QAM	4.5006	5.4494	PASS
B14	5	High	23355	795.5	64QAM	2.1949	2.6452	PASS
B14	10	Mid	23330	793	QPSK	8.9582	10.3527	PASS
B14	10	Mid	23330	793	16QAM	4.5192	5.5801	PASS
B14	10	Mid	23330	793	64QAM	2.2005	2.8248	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	QPSK	1.0980	1.2871	PASS
B26 Part90	1.4	Low	26697	814.7	16QAM	1.1047	1.3276	PASS
B26 Part90	1.4	Low	26697	814.7	64QAM	1.1031	1.3416	PASS
B26 Part90	1.4	Mid	26740	819	QPSK	1.1023	1.3523	PASS
B26 Part90	1.4	Mid	26740	819	16QAM	1.1058	1.3397	PASS
B26 Part90	1.4	Mid	26740	819	64QAM	1.1063	1.3638	PASS
B26 Part90	1.4	High	26783	823.3	QPSK	1.1002	1.3110	PASS
B26 Part90	1.4	High	26783	823.3	16QAM	1.1073	1.3401	PASS
B26 Part90	1.4	High	26783	823.3	64QAM	1.1024	1.3511	PASS
B26 Part90	3	Low	26705	815.5	QPSK	2.7180	3.1642	PASS
B26 Part90	3	Low	26705	815.5	16QAM	2.7100	3.1669	PASS
B26 Part90	3	Low	26705	815.5	64QAM	2.1995	2.6554	PASS
B26 Part90	3	Mid	26740	819	QPSK	2.7107	3.1530	PASS
B26 Part90	3	Mid	26740	819	16QAM	2.7128	3.2241	PASS
B26 Part90	3	Mid	26740	819	64QAM	2.2083	2.7157	PASS
B26 Part90	3	High	26775	822.5	QPSK	2.7124	3.1518	PASS
B26 Part90	3	High	26775	822.5	16QAM	2.7160	3.1958	PASS
B26	3	High	26775	822.5	64QAM	2.2010	2.6767	PASS



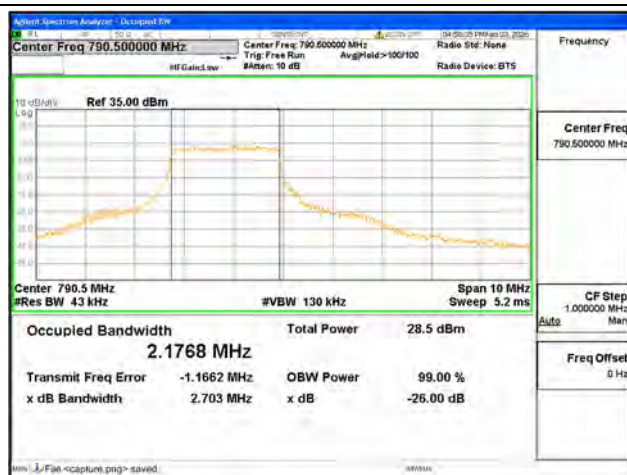
Part90								
B26 Part90	5	Low	26715	816.5	QPSK	4.5104	5.5103	PASS
B26 Part90	5	Low	26715	816.5	16QAM	4.5012	5.4700	PASS
B26 Part90	5	Low	26715	816.5	64QAM	2.1821	2.6502	PASS
B26 Part90	5	Mid	26740	819	QPSK	4.5173	5.6269	PASS
B26 Part90	5	Mid	26740	819	16QAM	4.5133	5.5007	PASS
B26 Part90	5	Mid	26740	819	64QAM	2.1916	2.6822	PASS
B26 Part90	5	High	26765	821.5	QPSK	4.5078	5.4201	PASS
B26 Part90	5	High	26765	821.5	16QAM	4.4988	5.3559	PASS
B26 Part90	5	High	26765	821.5	64QAM	2.1936	2.7250	PASS
B26 Part90	10	Low	26740	819	QPSK	9.0038	10.3940	PASS
B26 Part90	10	Low	26740	819	16QAM	4.5245	5.5659	PASS
B26 Part90	10	Low	26740	819	64QAM	2.2023	2.8675	PASS
B26 Part90	10	Mid	26740	819	QPSK	8.9994	10.5755	PASS
B26 Part90	10	Mid	26740	819	16QAM	4.5165	5.8911	PASS
B26 Part90	10	Mid	26740	819	64QAM	2.2070	2.8225	PASS
B26 Part90	10	High	26740	819	QPSK	9.0084	10.4108	PASS
B26 Part90	10	High	26740	819	16QAM	4.5383	5.8786	PASS
B26 Part90	10	High	26740	819	64QAM	2.2015	2.8149	PASS



B14 / 5MHz / QPSK/ Low CH



B14 / 5MHz / 16QAM/ Low CH



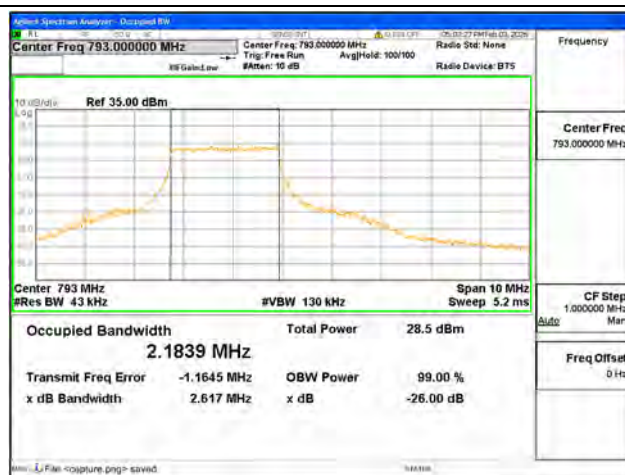
B14 / 5MHz / 64QAM/ Low CH



B14 / 5MHz / QPSK/ Mid CH



B14 / 5MHz / 16QAM/ Mid CH



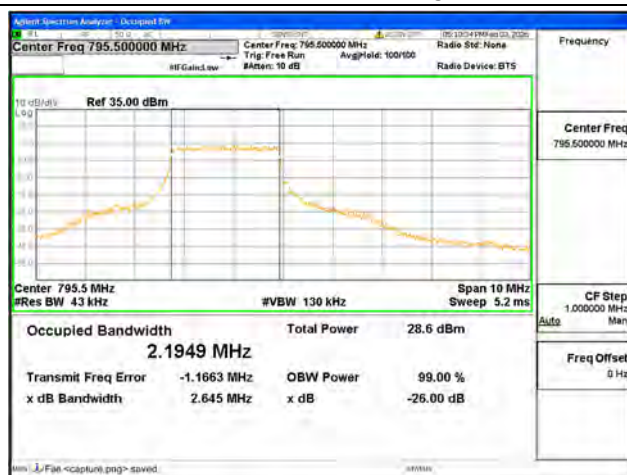
B14 / 5MHz / 64QAM/ Mid CH



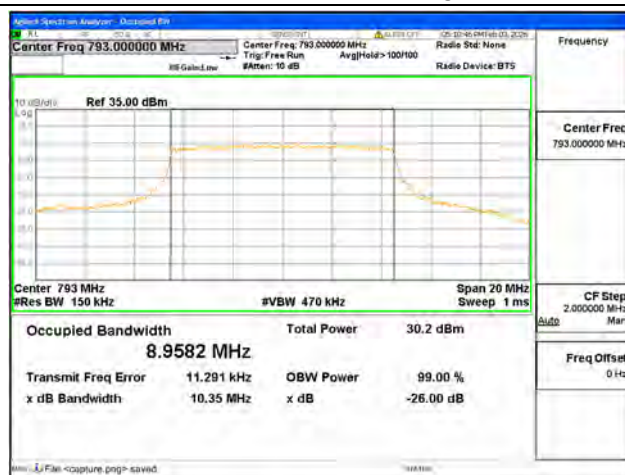
B14 / 5MHz / QPSK/ High CH



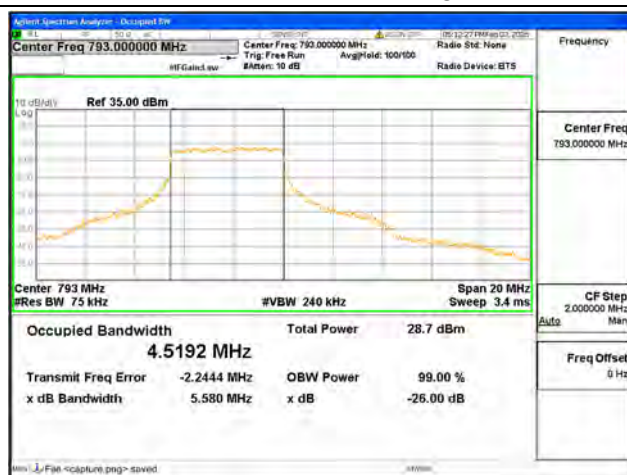
B14 / 5MHz / 16QAM/ High CH



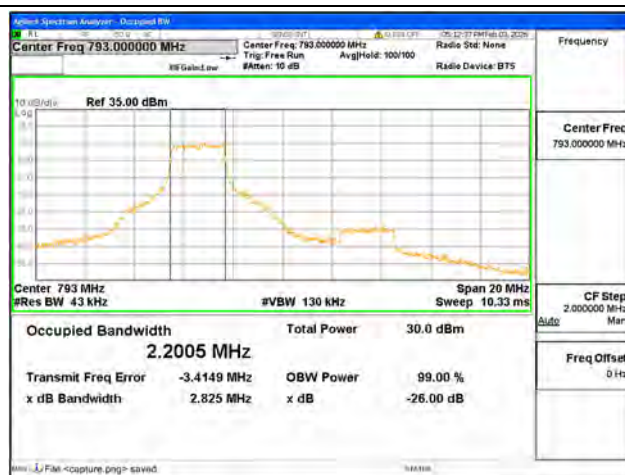
B14 / 5MHz / 64QAM/ High CH



B14 / 10MHz / QPSK/ Mid CH



B14 / 10MHz / 16QAM/ Mid CH



B14 / 10MHz / 64QAM/ Mid CH



B26 Part90 / 1.4MHz / QPSK/ Low CH



B26 Part90 / 1.4MHz / 16QAM/ Low CH



B26 Part90 / 1.4MHz / 64QAM/ Low CH



B26 Part90 / 1.4MHz / QPSK/ Mid CH



B26 Part90 / 1.4MHz / 16QAM/ Mid CH



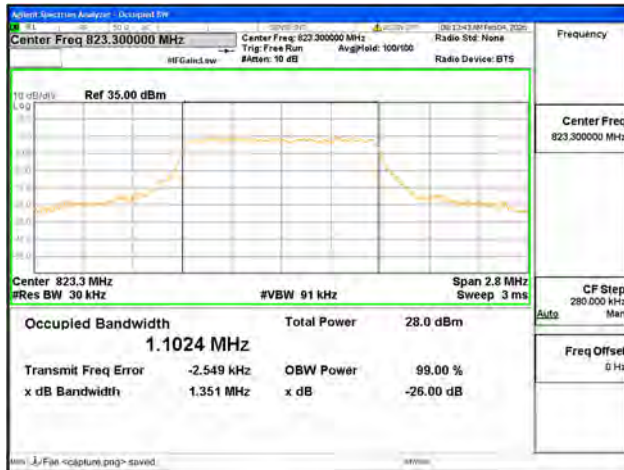
B26 Part90 / 1.4MHz / 64QAM/ Mid CH



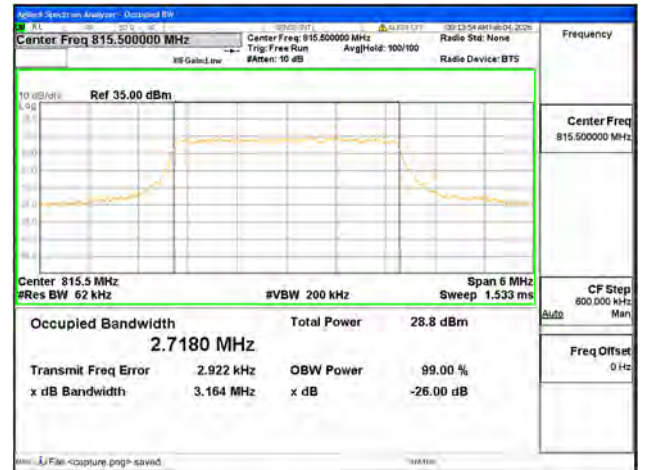
B26 Part90 / 1.4MHz / QPSK/ High CH



B26 Part90 / 1.4MHz / 16QAM/ High CH



B26 Part90 / 1.4MHz / 64QAM/ High CH



B26 Part90 / 3MHz / QPSK/ Low CH



B26 Part90 / 3MHz / 16QAM/ Low CH



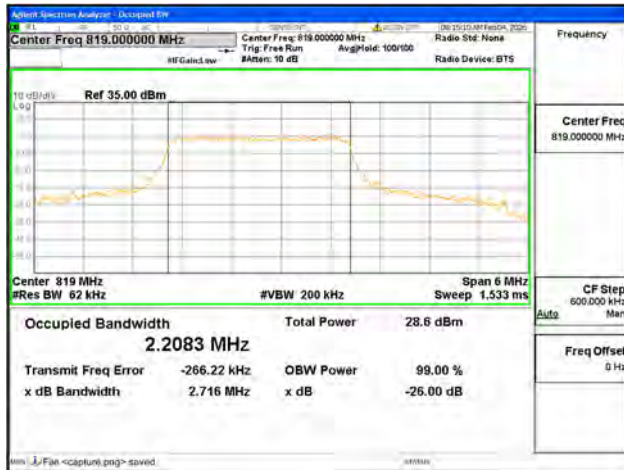
B26 Part90 / 3MHz / 64QAM/ Low CH



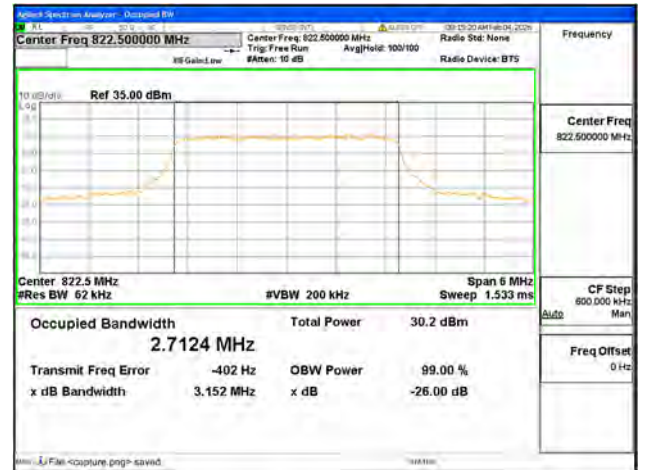
B26 Part90 / 3MHz / QPSK/ Mid CH



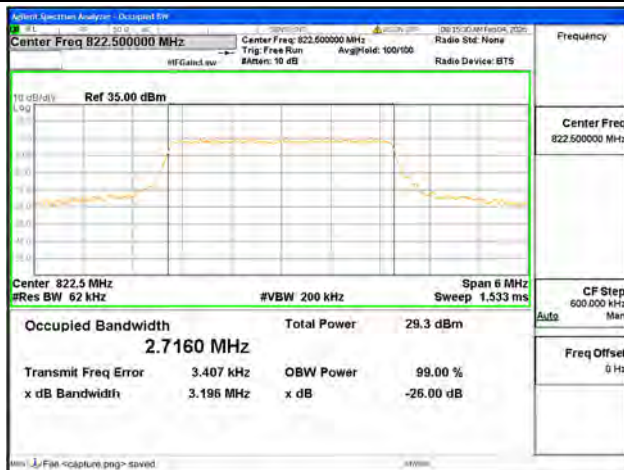
B26 Part90 / 3MHz / 16QAM/ Mid CH



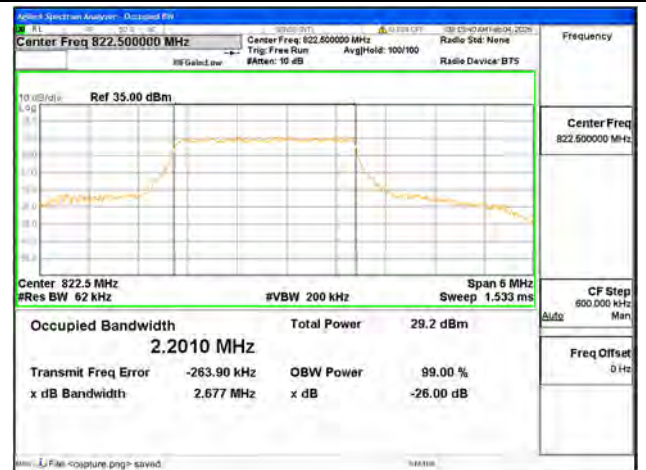
B26 Part90 / 3MHz / 64QAM/ Mid CH



B26 Part90 / 3MHz / QPSK/ High CH



B26 Part90 / 3MHz / 16QAM/ High CH



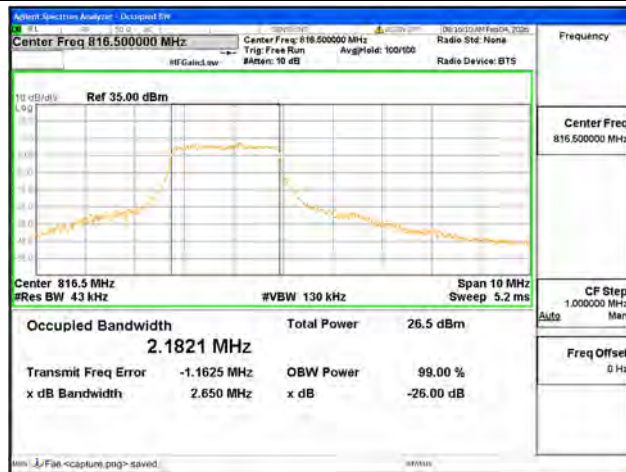
B26 Part90 / 3MHz / 64QAM/ High CH



B26 Part90 / 5MHz / QPSK/ Low CH



B26 Part90 / 5MHz / 16QAM/ Low CH



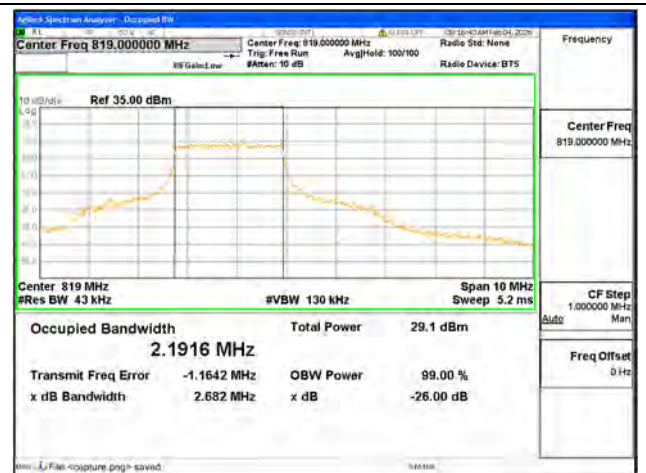
B26 Part90 / 5MHz / 64QAM/ Low CH



B26 Part90 / 5MHz / QPSK/ Mid CH



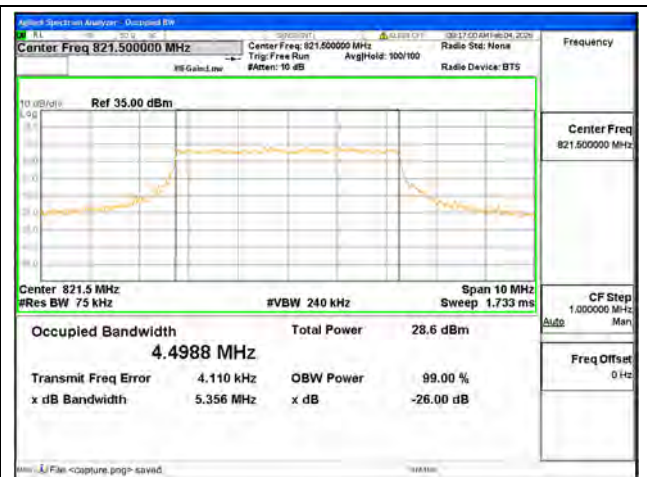
B26 Part90 / 5MHz / 16QAM/ Mid CH



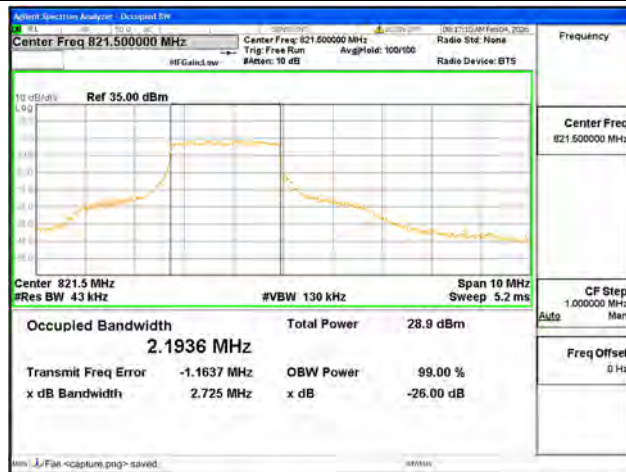
B26 Part90 / 5MHz / 64QAM/ Mid CH



B26 Part90 / 5MHz / QPSK/ High CH



B26 Part90 / 5MHz / 16QAM/ High CH



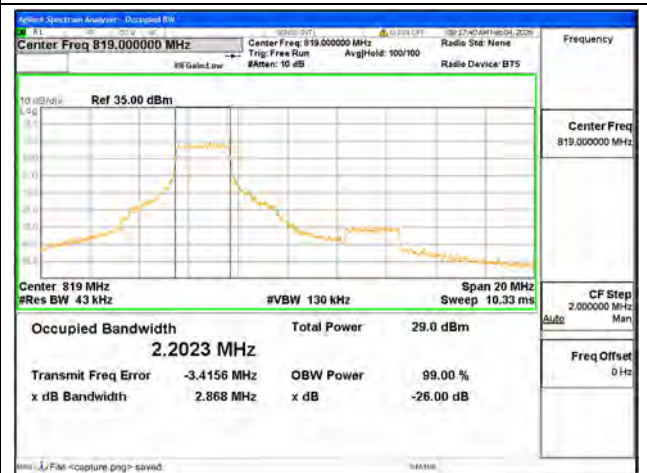
B26 Part90 / 5MHz / 64QAM/ High CH



B26 Part90 / 10MHz / QPSK/ Low CH



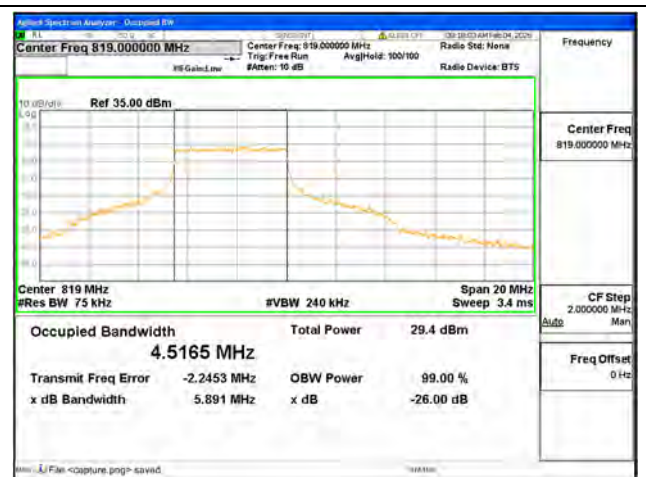
B26 Part90 / 10MHz / 16QAM/ Low CH



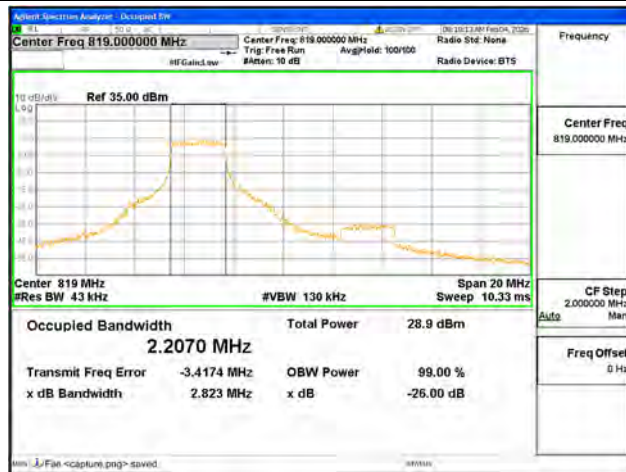
B26 Part90 / 10MHz / 64QAM/ Low CH



B26 Part90 / 10MHz / QPSK/ Mid CH



B26 Part90 / 10MHz / 16QAM/ Mid CH



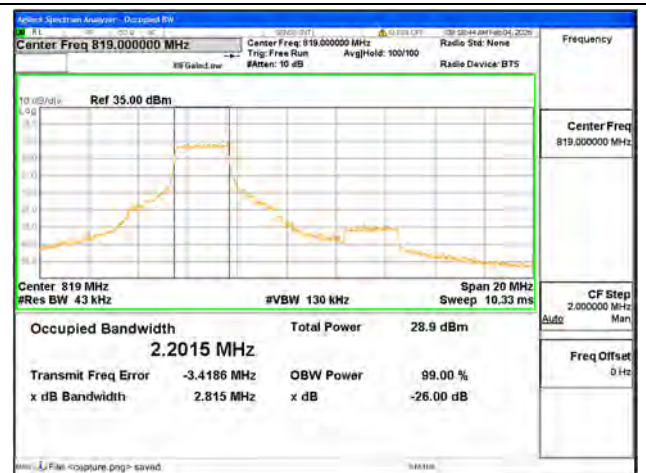
B26 Part90 / 10MHz / 64QAM/ Mid CH



B26 Part90 / 10MHz / QPSK/ High CH



B26 Part90 / 10MHz / 16QAM/ High CH



B26 Part90 / 10MHz / 64QAM/ High CH

2.3. Frequency Stability

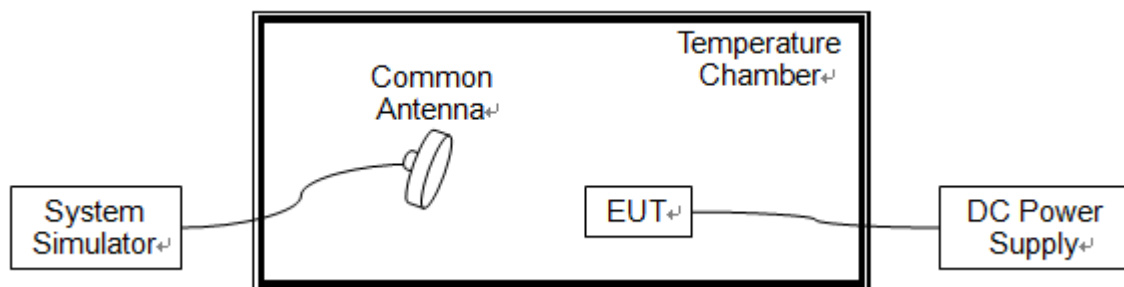
2.3.1. Requirement

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 $+50^{\circ}\text{C}$ 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 -30°C to 75°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, 4.50V and 3.40V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 14, 64QAM, Channel 23330, Frequency 793.0MHz					
Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.80	-35	23	0.029	PASS
Normal		-30	-7	-0.009	
Normal		-20	13	0.016	
Normal		-10	20	0.025	
Normal		0	-1	-0.001	
Normal		+10	14	0.018	
Normal		+20(Ref)	14	0.018	
Normal		+30	-11	-0.014	
Normal		+40	14	0.018	
Normal		+50	13	0.016	
Normal		+60	-22	-0.028	
Normal		+70	-16	-0.020	
Normal		+75	-22	-0.028	
High	4.50	+20	15	0.019	
BATT.ENDPOINT	3.40	+20	-4	-0.005	



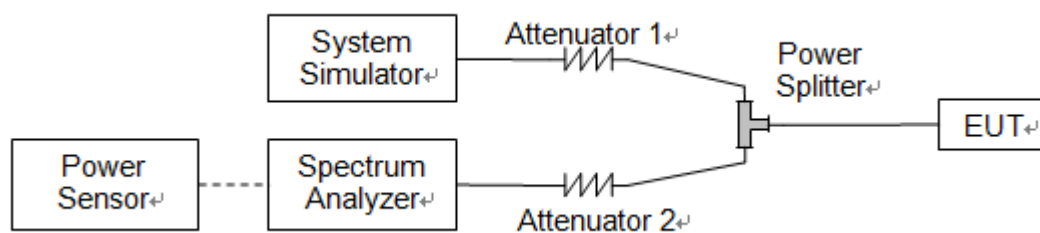
LTE Band 26, 64QAM, Channel 26740, Frequency 819MHz Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.80	-35	13	0.016	PASS
Normal		-30	20	0.024	
Normal		-20	-22	-0.027	
Normal		-10	6	0.007	
Normal		0	16	0.020	
Normal		+10	11	0.013	
Normal		+20(Ref)	20	0.024	
Normal		+30	-11	-0.013	
Normal		+40	19	0.023	
Normal		+50	-18	-0.022	
Normal		+60	-23	-0.028	
Normal		+70	5	0.006	
Normal		+75	15	0.018	
High	4.50	+20	-17	-0.021	
BATT.ENDPOINT	3.40	+20	18	0.022	

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



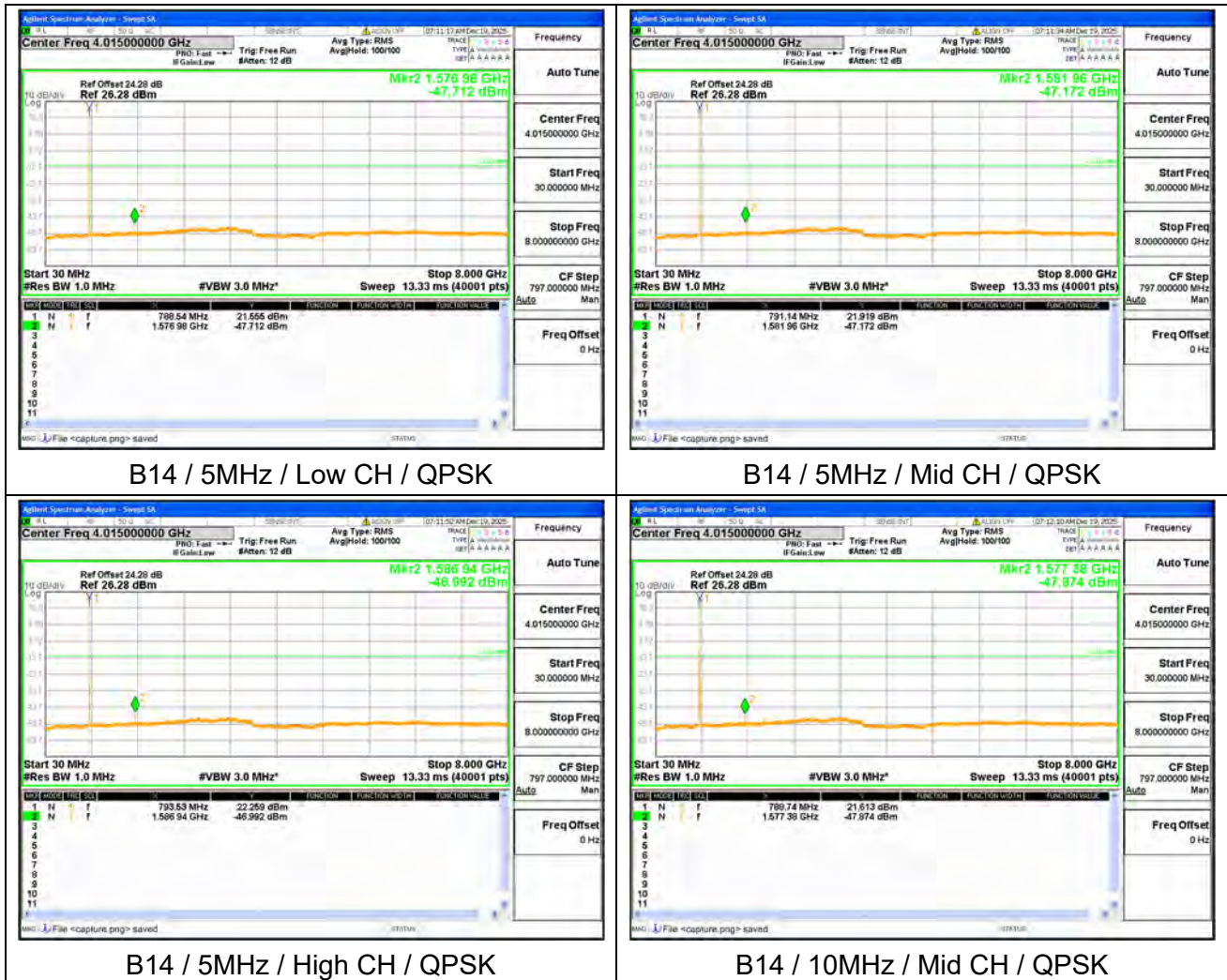
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

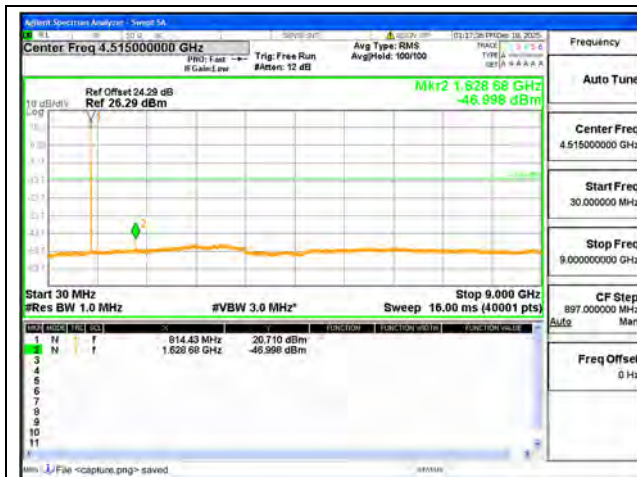
2.4.3. Test procedure

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



2.4.4. Test Result

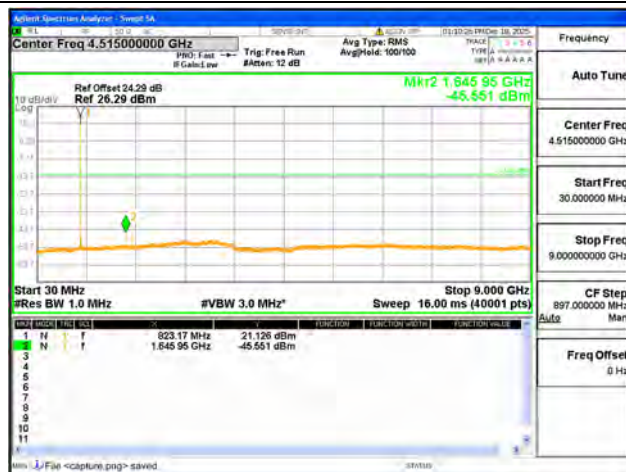




B26 / 1.4MHz / Low CH / QPSK



B26 / 1.4MHz / Mid CH / QPSK



B26 / 1.4MHz / High CH / QPSK



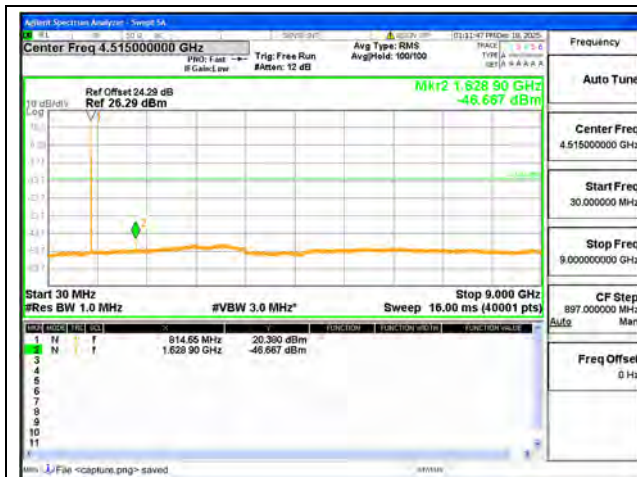
B26 / 3MHz / Low CH / QPSK



B26 / 3MHz / Mid CH / QPSK



B26 / 3MHz / High CH / QPSK



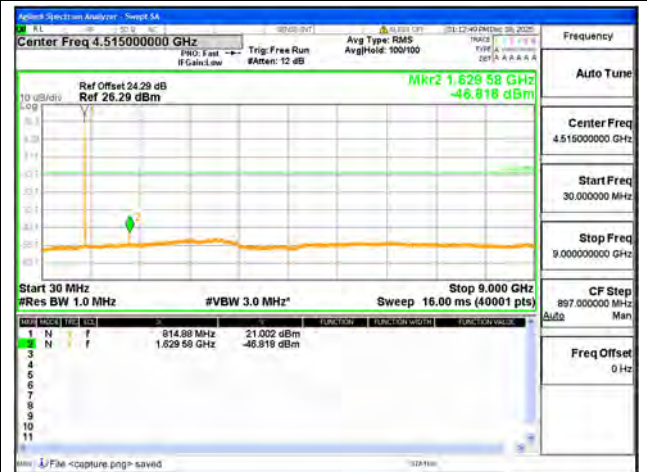
B26 / 5MHz / Low CH / QPSK



B26 / 5MHz / Mid CH / QPSK



B26 / 5MHz / High CH / QPSK



B26 / 10MHz / Low CH / QPSK



B26 / 10MHz / Mid CH / QPSK



B26 / 10MHz / High CH / QPSK

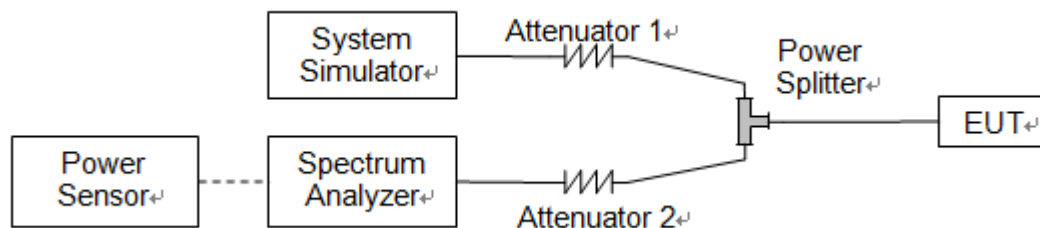
2.5. Band Edge

2.5.1. Requirement

Band 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.

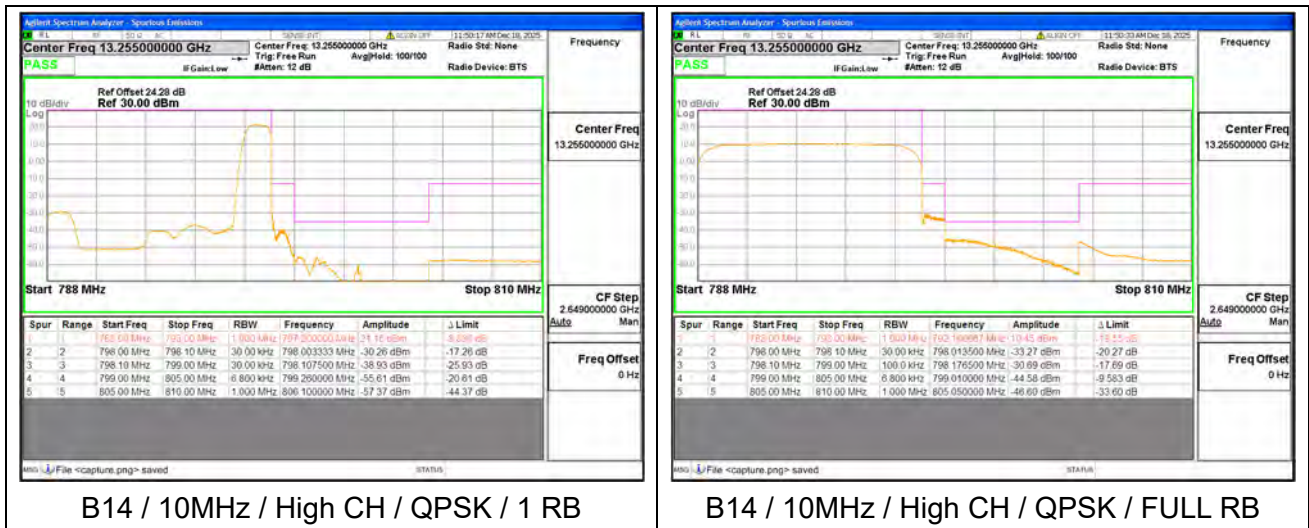
2.5.3. Test procedure

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



2.5.4. Test Result



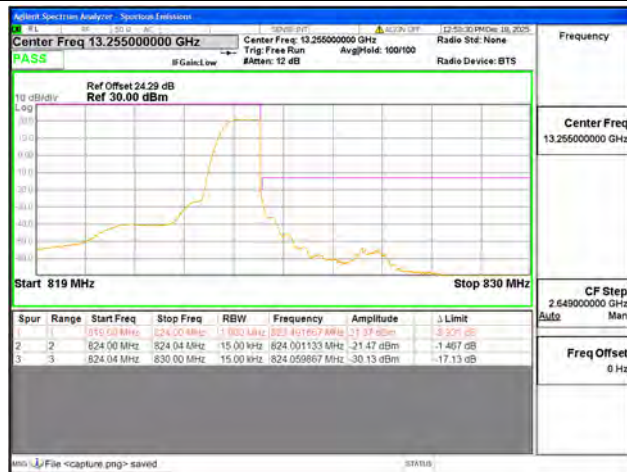




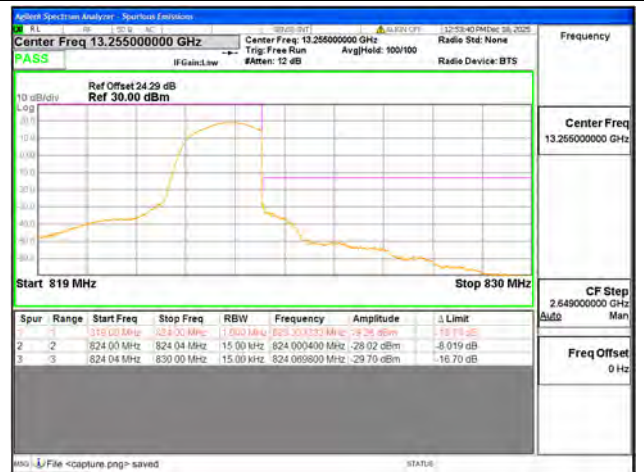
B26 / 1.4MHz / Low CH / QPSK / 1 RB



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



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



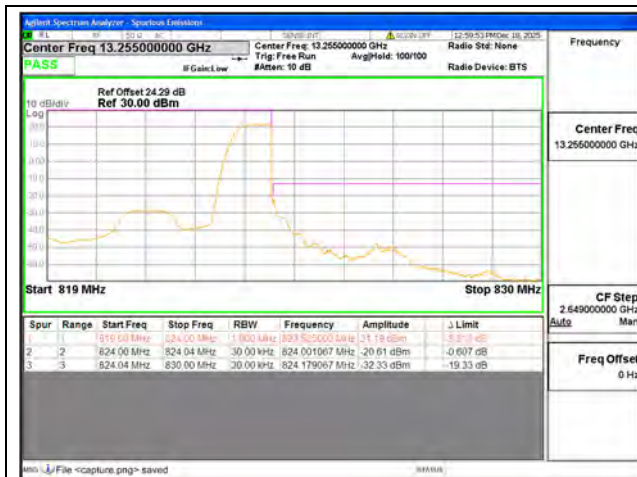
B26 / 1.4MHz / High CH / QPSK / FULL RB



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



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



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



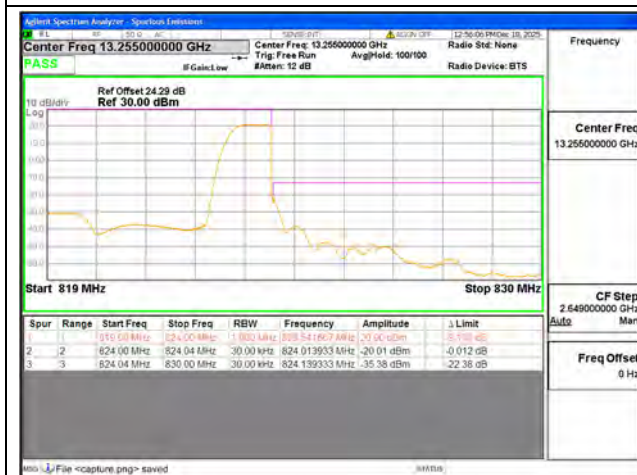
B26 / 3MHz / High CH / QPSK / FULL RB



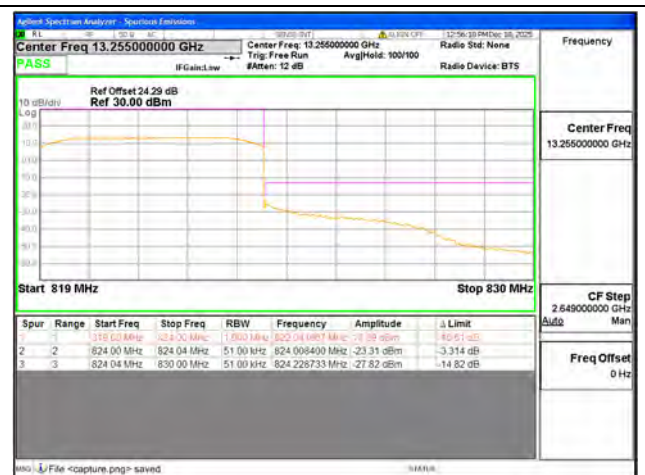
B26 / 5MHz / Low CH / QPSK / 1 RB



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



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



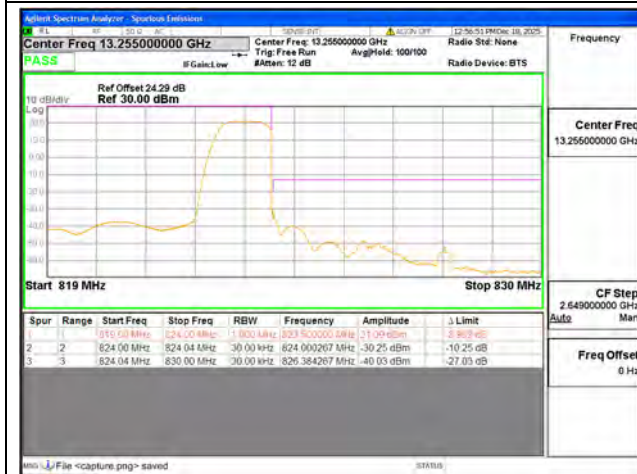
B26 / 5MHz / High CH / QPSK / FULL RB



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



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



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



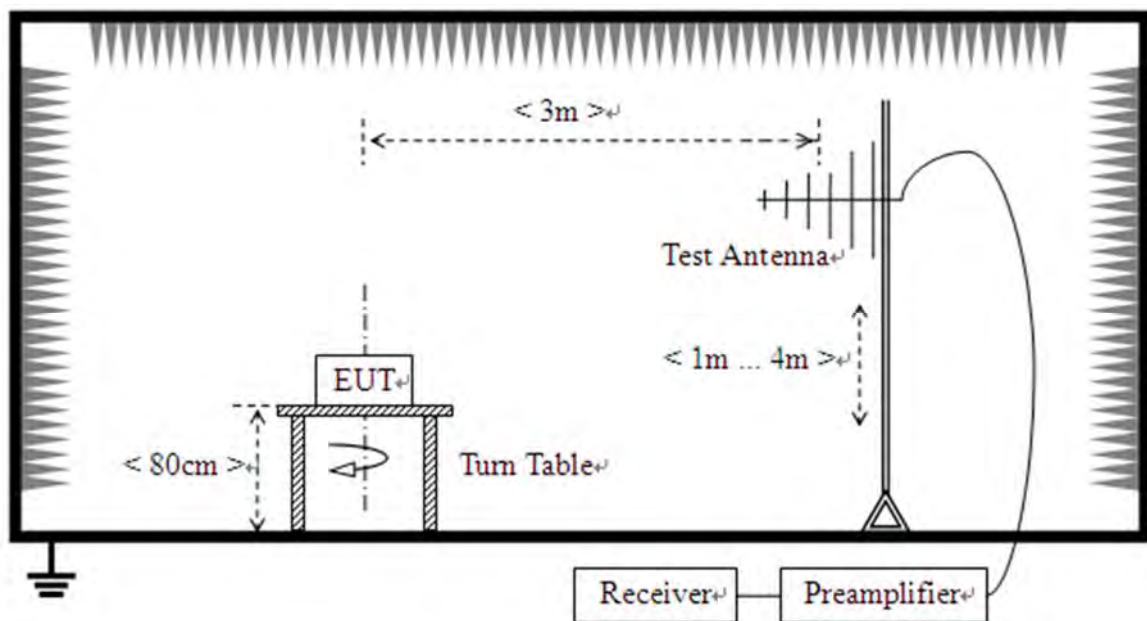
B26 / 10MHz / High CH / QPSK / FULL RB

2.6. Radiated Spurious Emissions

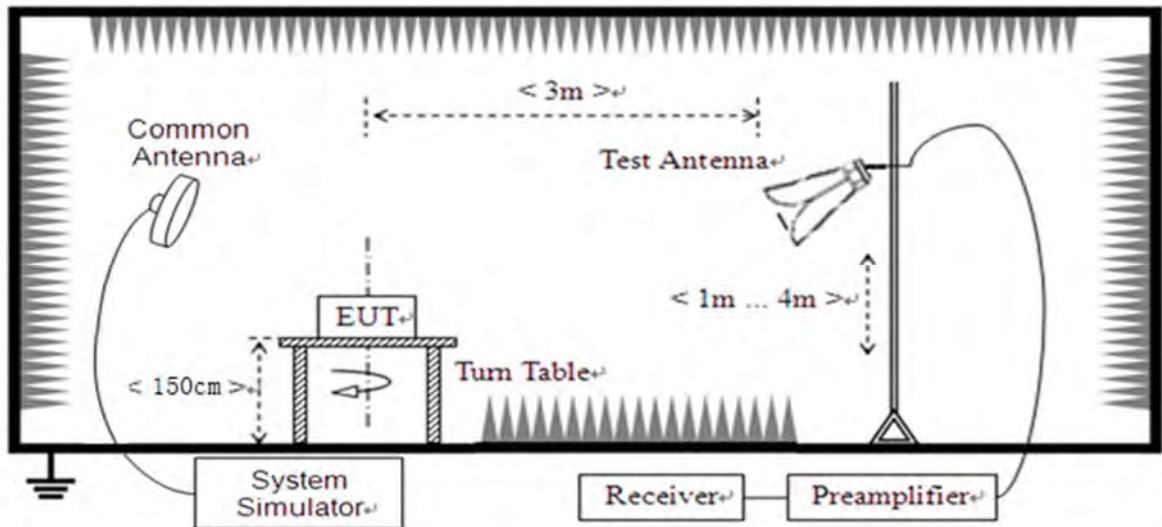
2.6.1. Requirement

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.

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.

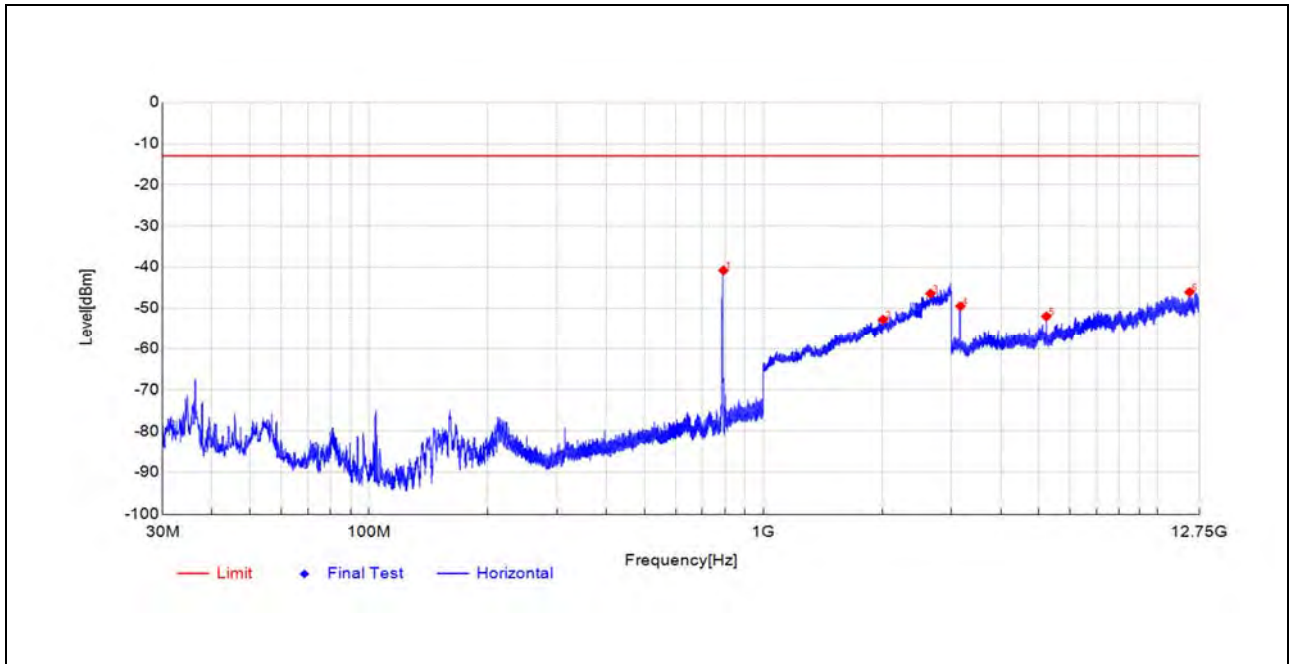
Note4: N/A means the frequency is the basic frequency or the base station frequency, they are no need to verdict.

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

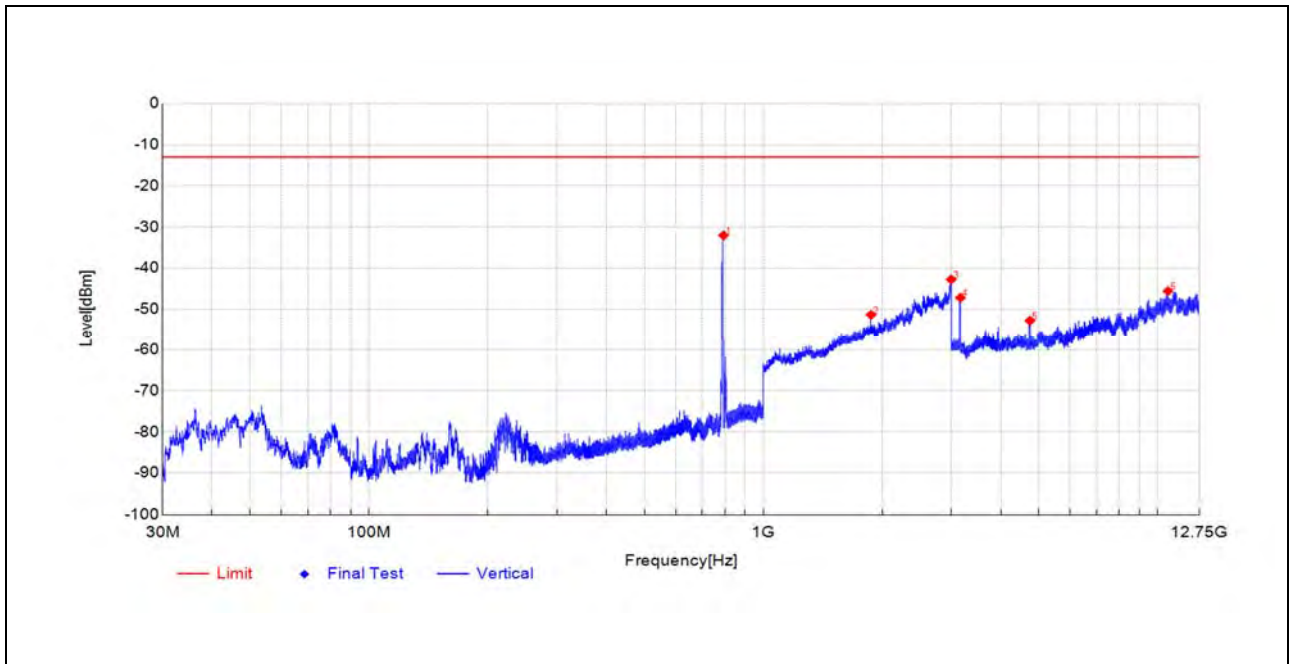


LTE Band 14

Plot for Low Channel

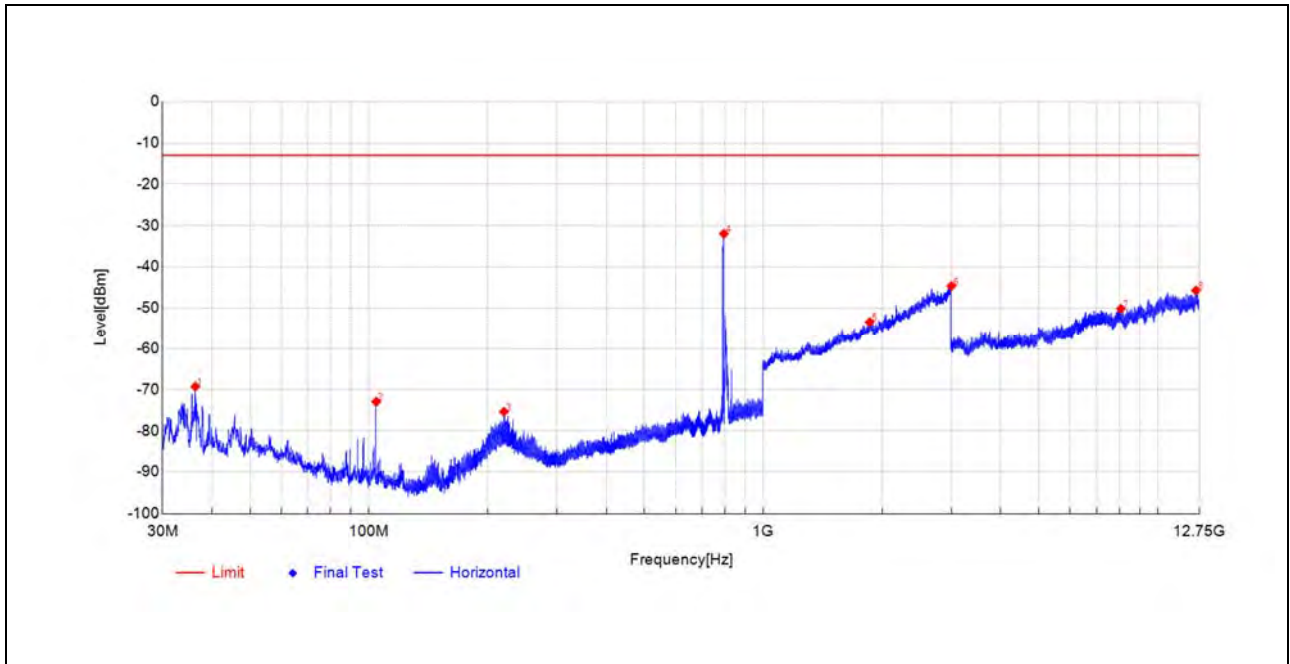


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
792.5551	-33.66	-40.80	-7.1	-	-	Horizontal	PK	NA
2011.4023	-58.52	-52.78	5.7	-13.0	39.8	Horizontal	PK	PASS
2654.7309	-59.31	-46.44	12.9	-13.0	33.4	Horizontal	PK	PASS
3162.3456	-49.33	-49.49	-0.2	-13.0	36.5	Horizontal	PK	PASS
5221.1611	-57.18	-51.99	5.2	-13.0	39.0	Horizontal	PK	PASS
12045.527	-67.39	-46.07	21.3	-13.0	33.1	Horizontal	PK	PASS

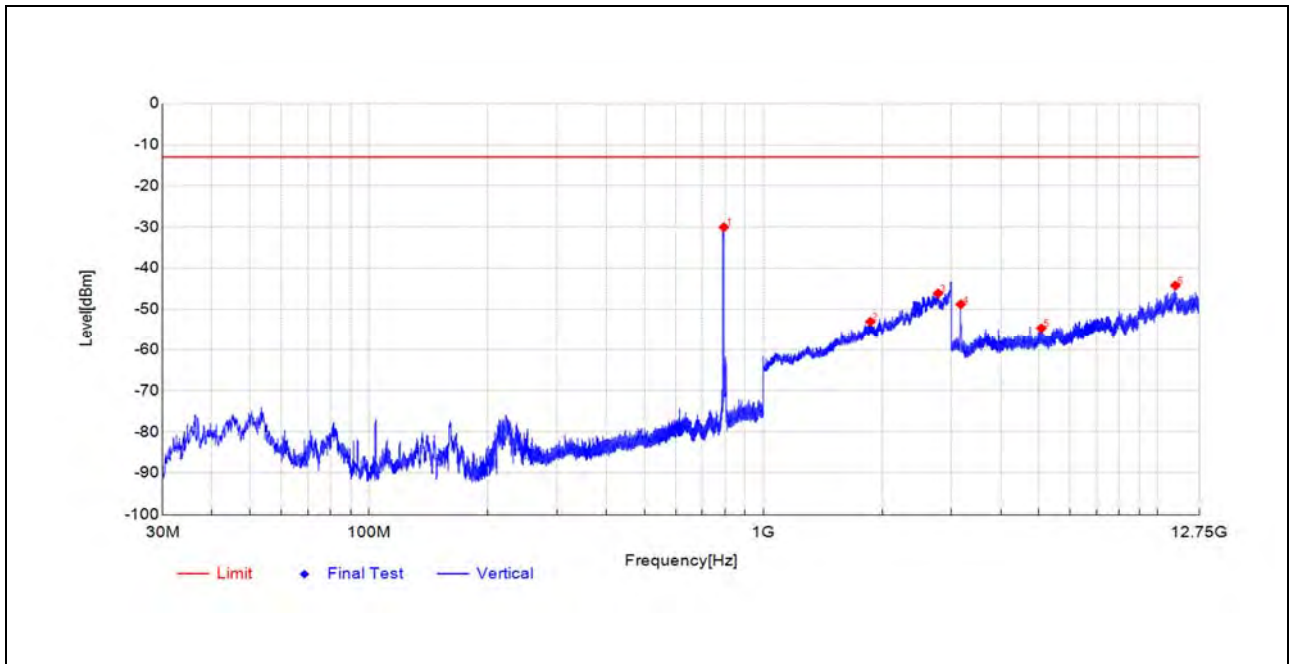


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
792.7006	-25.22	-32.02	-6.8	-	-	Vertical	PK	NA
1875.7752	-56.86	-51.33	5.5	-13.0	38.3	Vertical	PK	PASS
2993.5987	-59.67	-42.74	16.9	-13.0	29.7	Vertical	PK	PASS
3161.8581	-46.93	-47.16	-0.2	-13.0	34.2	Vertical	PK	PASS
4742.8996	-56.60	-52.75	3.9	-13.0	39.8	Vertical	PK	PASS
10618.055	-65.64	-45.56	20.1	-13.0	32.6	Vertical	PK	PASS

Plot for Mid Channel

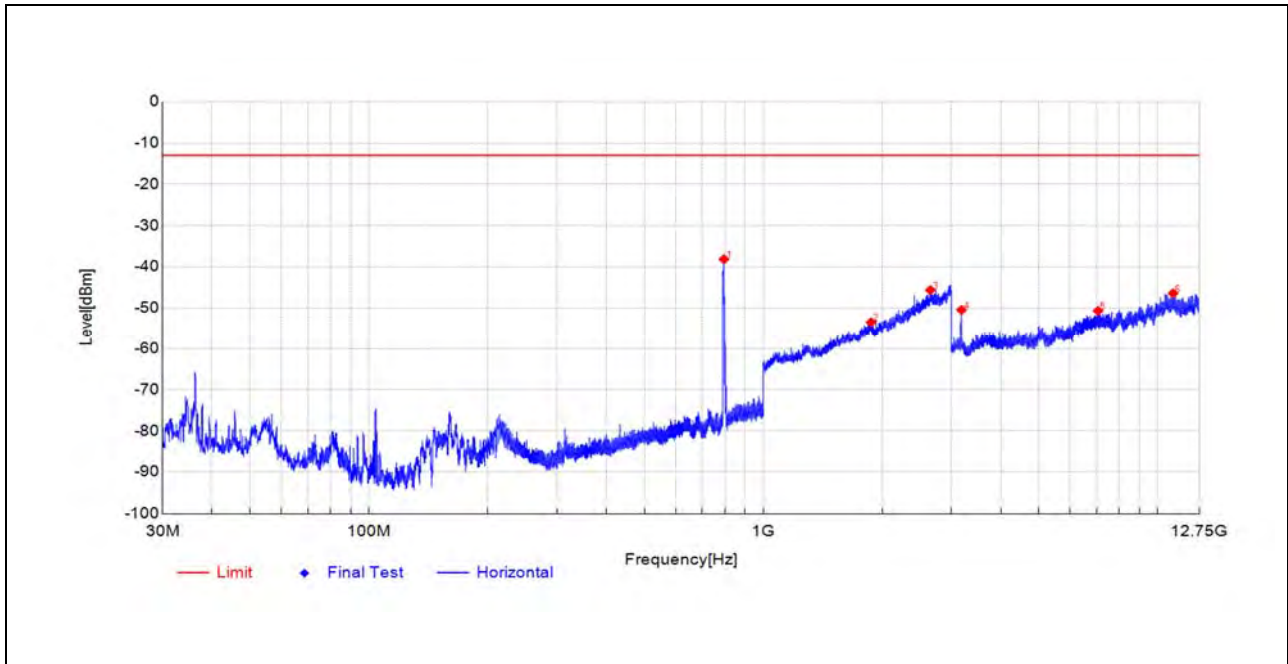


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
793.6222	-31.40	-38.53	-7.1	-	-	Horizontal	PK	NA
2029.806	-57.80	-51.46	6.3	-13.0	38.5	Horizontal	PK	PASS
2730.3461	-57.34	-44.80	12.5	-13.0	31.8	Horizontal	PK	PASS
3176.4838	-51.14	-51.28	-0.1	-13.0	38.3	Horizontal	PK	PASS
7968.8484	-63.32	-50.03	13.3	-13.0	37.0	Horizontal	PK	PASS
10587.829	-65.52	-46.00	19.5	-13.0	33.0	Horizontal	PK	PASS

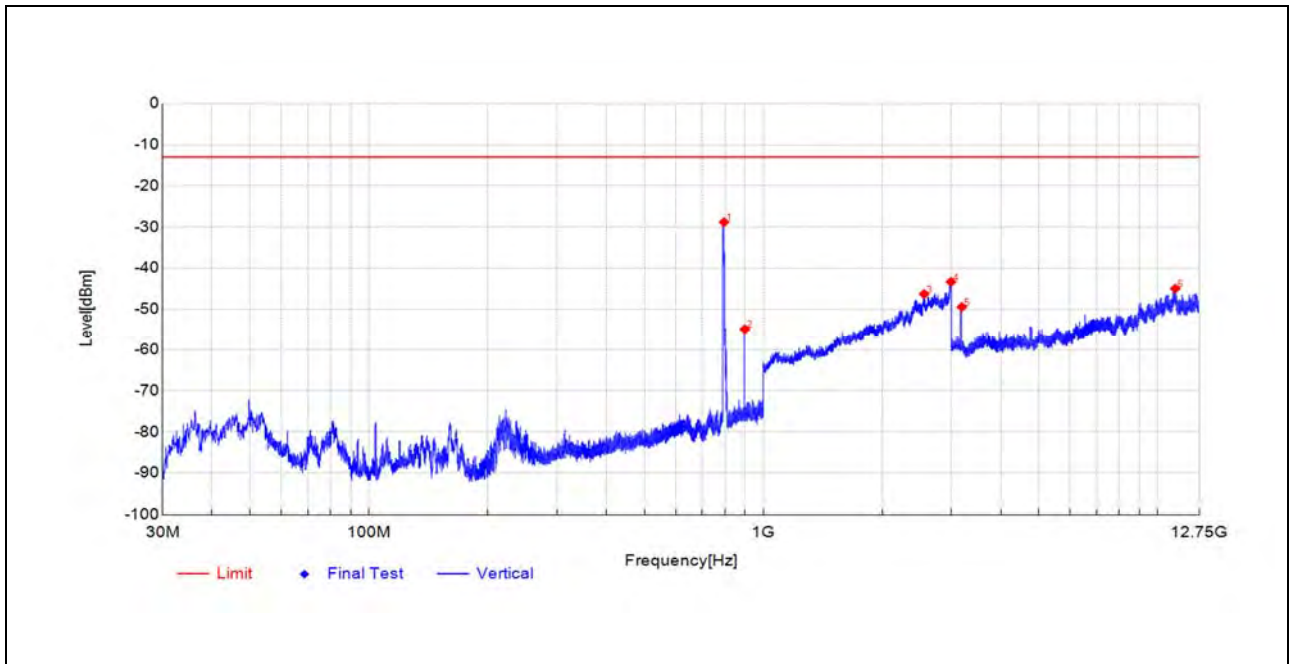


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
794.6892	-23.27	-30.03	-6.8	-	-	Vertical	PK	NA
1867.3735	-58.29	-53.03	5.3	-13.0	40.0	Vertical	PK	PASS
2775.155	-58.84	-46.10	12.7	-13.0	33.1	Vertical	PK	PASS
3167.2209	-48.50	-48.76	-0.3	-13.0	35.8	Vertical	PK	PASS
5071.4911	-60.11	-54.63	5.5	-13.0	41.6	Vertical	PK	PASS
11090.467	-66.57	-44.20	22.4	-13.0	31.2	Vertical	PK	PASS

Plot for High Channel



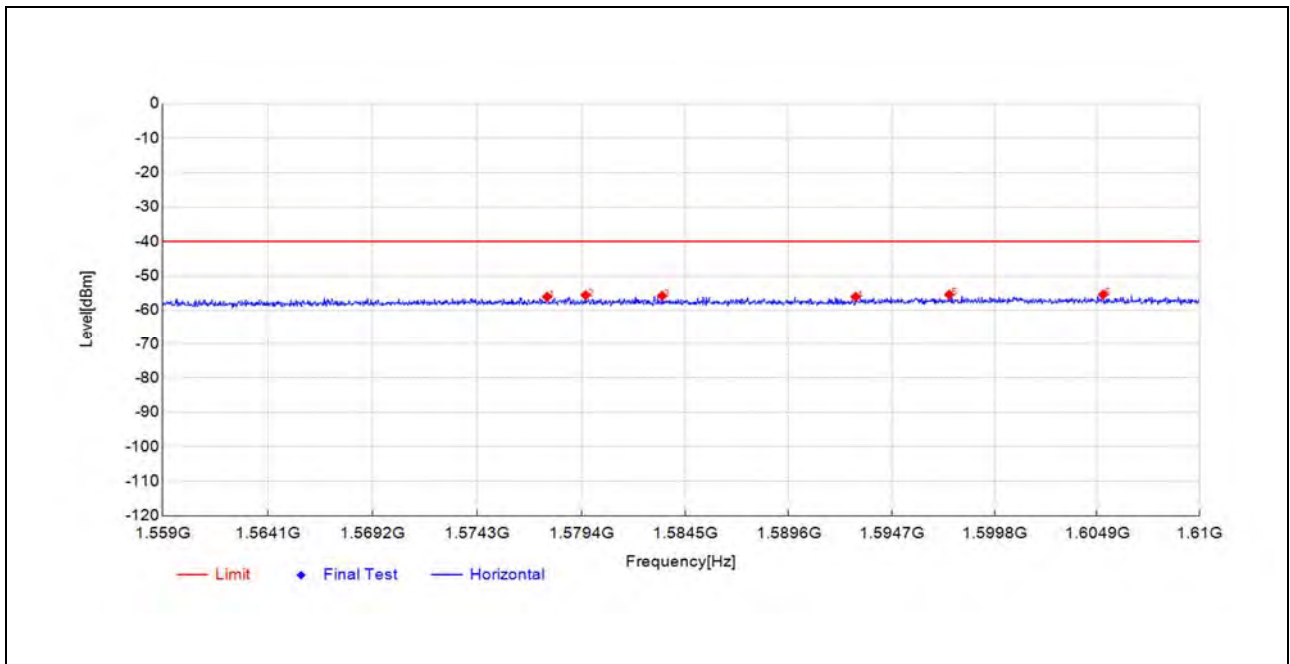
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
794.8832	-31.01	-38.13	-7.1	-13.0	25.1	Horizontal	PK	PASS
1875.3751	-59.11	-53.43	5.7	-13.0	40.4	Horizontal	PK	PASS
2652.3305	-58.36	-45.62	12.7	-13.0	32.6	Horizontal	PK	PASS
3181.8466	-50.28	-50.41	-0.1	-13.0	37.4	Horizontal	PK	PASS
7059.128	-62.57	-50.64	11.9	-13.0	37.6	Horizontal	PK	PASS
10935.434	-67.37	-46.40	21.0	-13.0	33.4	Horizontal	PK	PASS



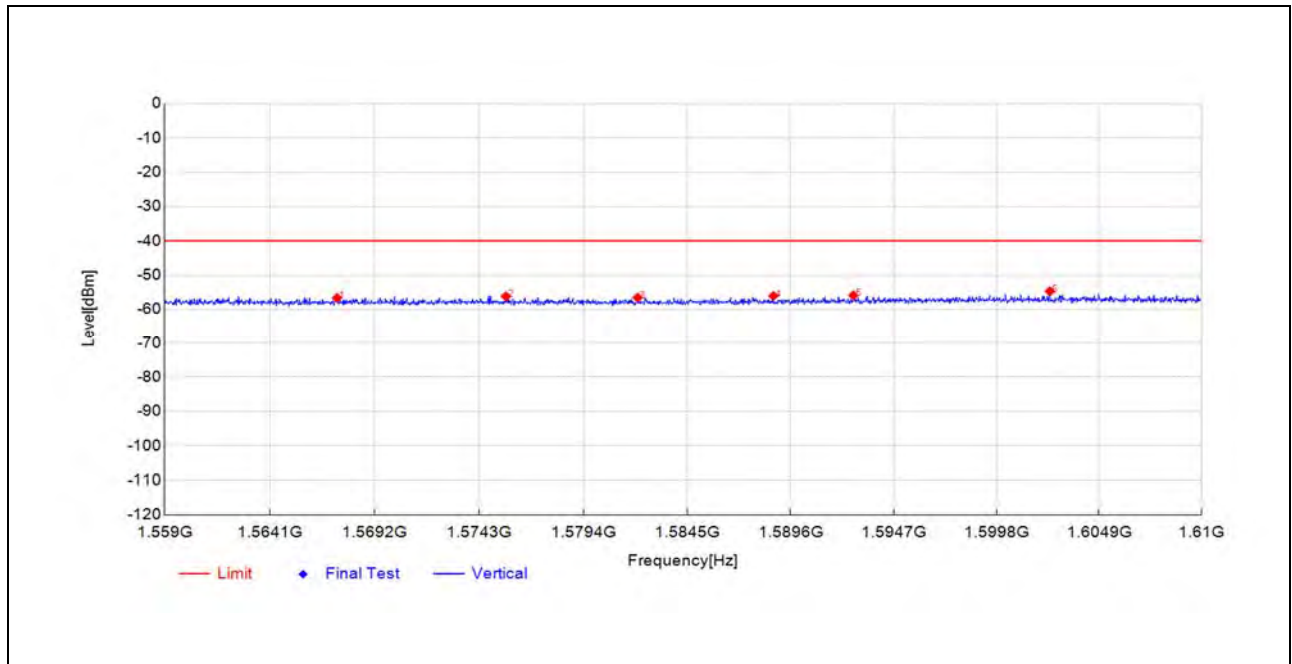
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
795.3198	-22.05	-28.80	-6.8	-	-	Vertical	PK	NA
898.4359	-49.94	-54.85	-4.9	-	-	Vertical	PK	NA
2557.1114	-58.68	-46.27	12.4	-13.0	33.3	Vertical	PK	PASS
2992.7986	-60.12	-43.30	16.8	-13.0	30.3	Vertical	PK	PASS
3186.7218	-49.10	-49.42	-0.3	-13.0	36.4	Vertical	PK	PASS
11081.204	-67.29	-44.96	22.3	-13.0	32.0	Vertical	PK	PASS



Plot for 1559MHz-1610MHz



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1577.7264	-58.62	-56.09	2.5	-40.0	16.1	Horizontal	PK	PASS
1579.6143	-58.13	-55.60	2.5	-40.0	15.6	Horizontal	PK	PASS
1583.3647	-58.34	-55.81	2.5	-40.0	15.8	Horizontal	PK	PASS
1592.9065	-58.59	-56.07	2.5	-40.0	16.1	Horizontal	PK	PASS
1597.5498	-57.95	-55.44	2.5	-40.0	15.4	Horizontal	PK	PASS
1605.2036	-57.94	-55.44	2.5	-40.0	15.4	Horizontal	PK	PASS

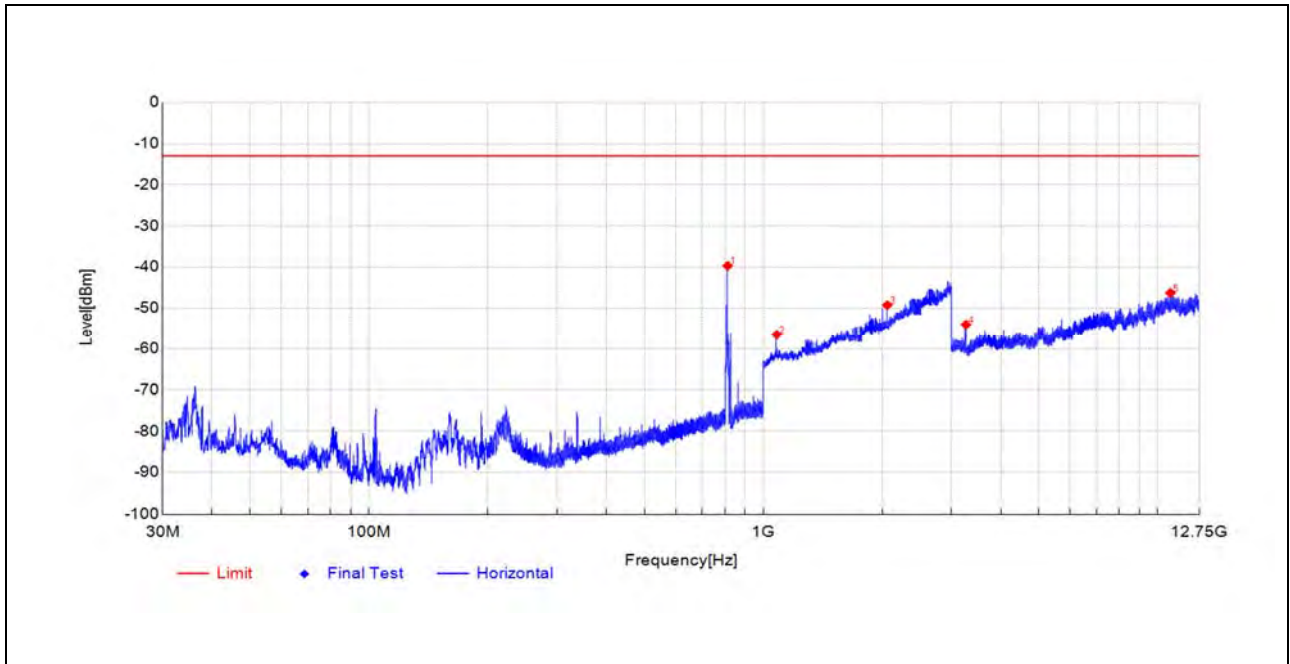


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1567.3682	-59.19	-56.64	2.6	-40.0	16.6	Vertical	PK	PASS
1575.6088	-58.59	-56.18	2.4	-40.0	16.2	Vertical	PK	PASS
1582.0635	-58.92	-56.56	2.4	-40.0	16.6	Vertical	PK	PASS
1588.7479	-58.53	-56.08	2.5	-40.0	16.1	Vertical	PK	PASS
1592.7024	-58.41	-55.91	2.5	-40.0	15.9	Vertical	PK	PASS
1602.4482	-57.35	-54.72	2.6	-40.0	14.7	Vertical	PK	PASS

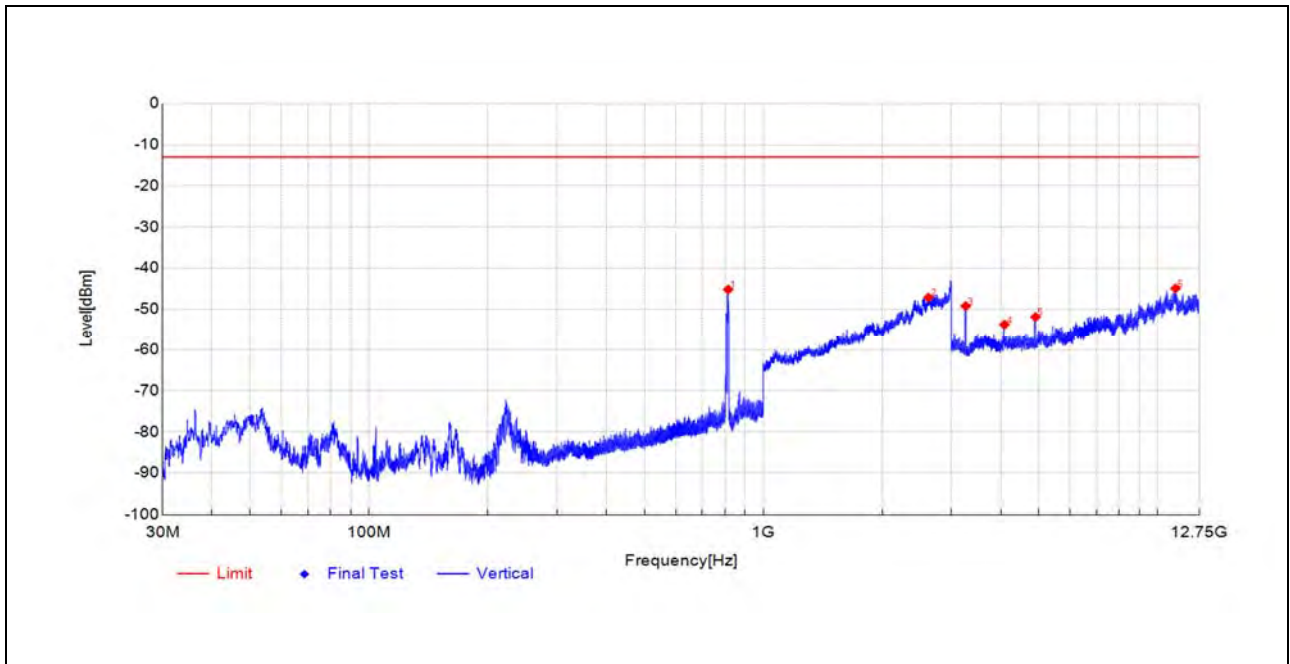


LTE Band 26

Plot for Low Channel

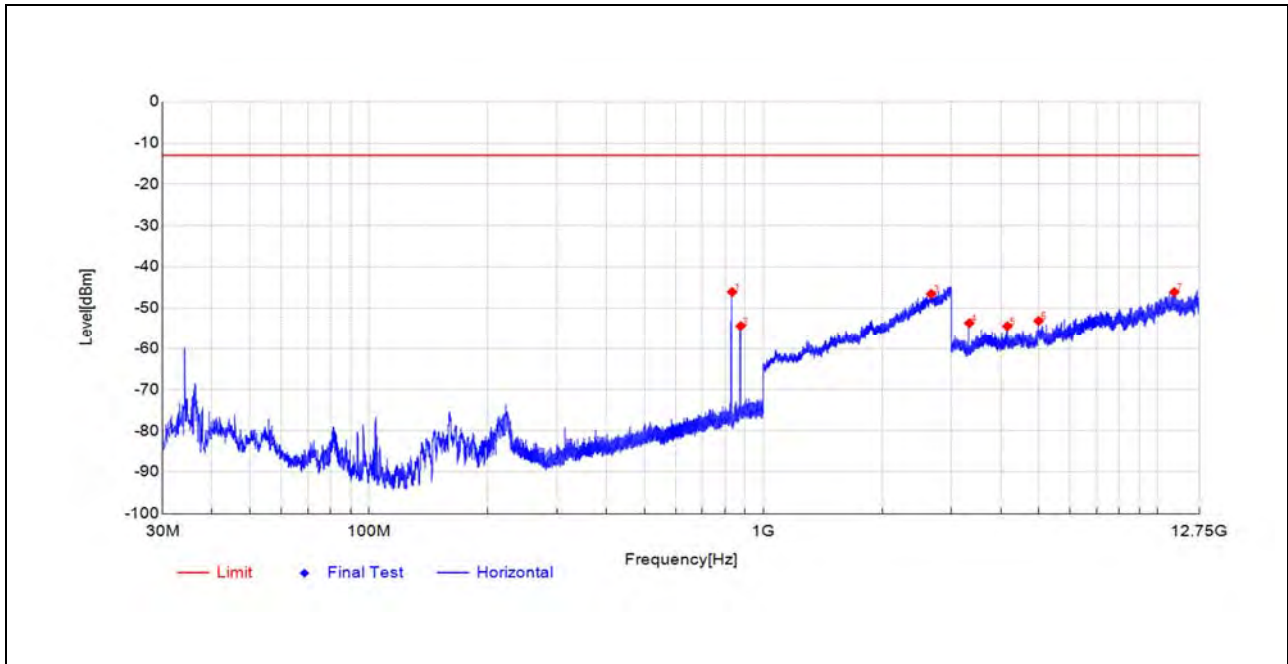


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
812.2956	-33.69	-39.68	-6.0	-	-	Horizontal	PK	NA
1081.6163	-54.59	-56.52	-1.9	-13.0	43.5	Horizontal	PK	PASS
2062.6125	-54.79	-49.24	5.6	-13.0	36.2	Horizontal	PK	PASS
3266.6758	-53.08	-53.99	-0.9	-13.0	41.0	Horizontal	PK	PASS
10775.038	-66.15	-46.27	19.9	-13.0	33.3	Horizontal	PK	PASS

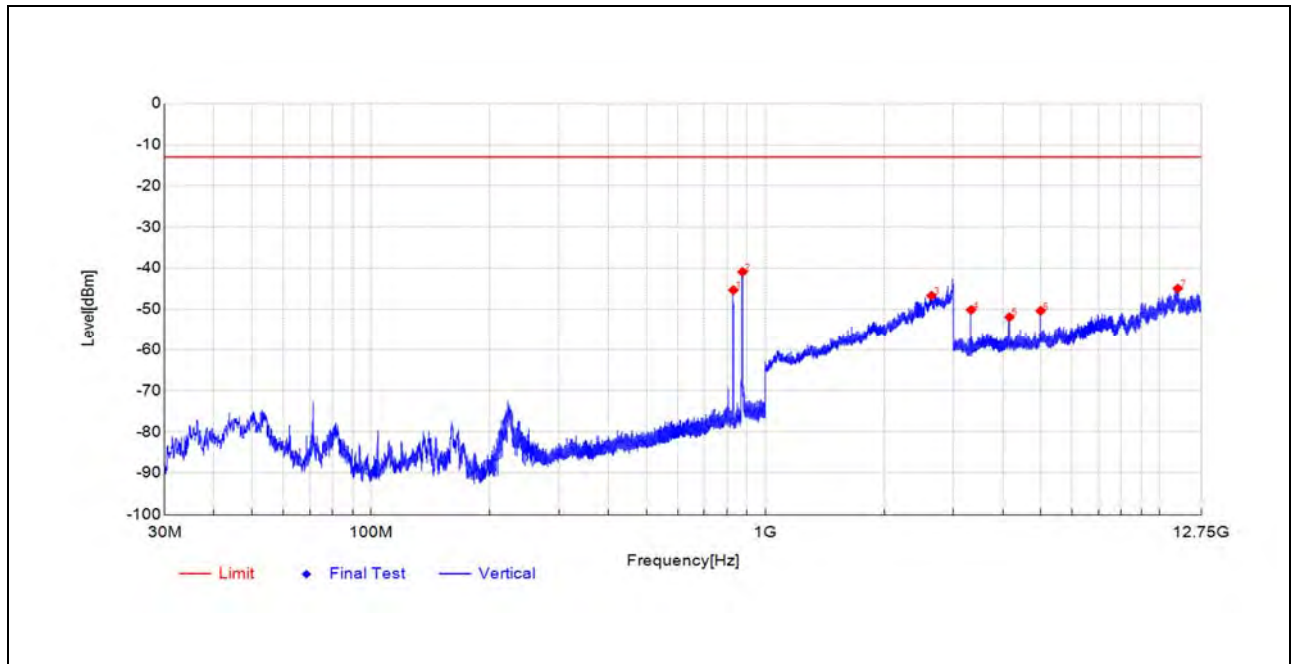


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
814.9147	-39.41	-45.16	-5.8	-	-	Vertical	PK	NA
2623.1246	-59.31	-47.11	12.2	-13.0	34.1	Vertical	PK	PASS
3261.3131	-48.31	-49.19	-0.9	-13.0	36.2	Vertical	PK	PASS
4088.6419	-55.70	-53.72	2.0	-13.0	40.7	Vertical	PK	PASS
4898.9074	-55.86	-51.86	4.0	-13.0	38.9	Vertical	PK	PASS
11093.392	-67.29	-44.91	22.4	-13.0	31.9	Vertical	PK	PASS

Plot for Mid Channel

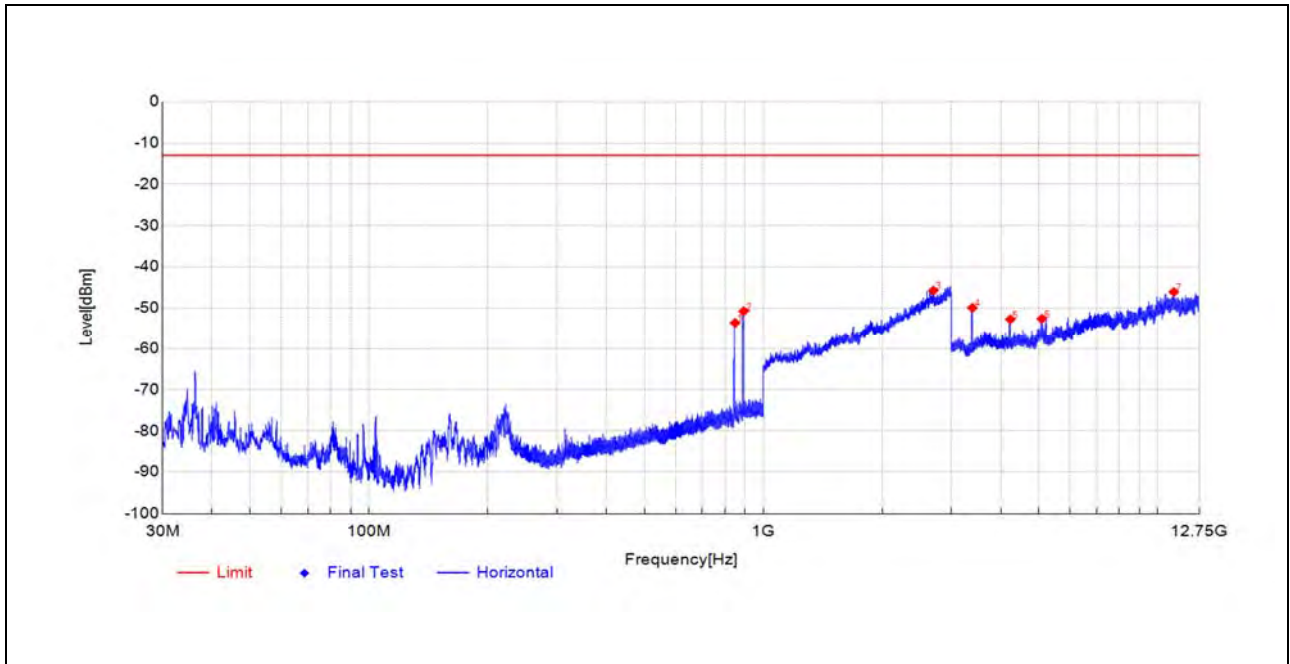


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
833.8307	-40.47	-46.07	-5.6	-	-	Horizontal	PK	NA
876.1733	-49.54	-54.33	-4.8	-	-	Horizontal	PK	NA
2665.5331	-59.35	-46.54	12.8	-13.0	33.5	Horizontal	PK	PASS
3330.5415	-52.77	-53.62	-0.9	-13.0	40.6	Horizontal	PK	PASS
4157.8704	-56.52	-54.38	2.1	-13.0	41.4	Horizontal	PK	PASS
4989.0995	-58.94	-53.07	5.9	-13.0	40.1	Horizontal	PK	PASS
11017.825	-66.88	-46.08	20.8	-13.0	33.1	Horizontal	PK	PASS

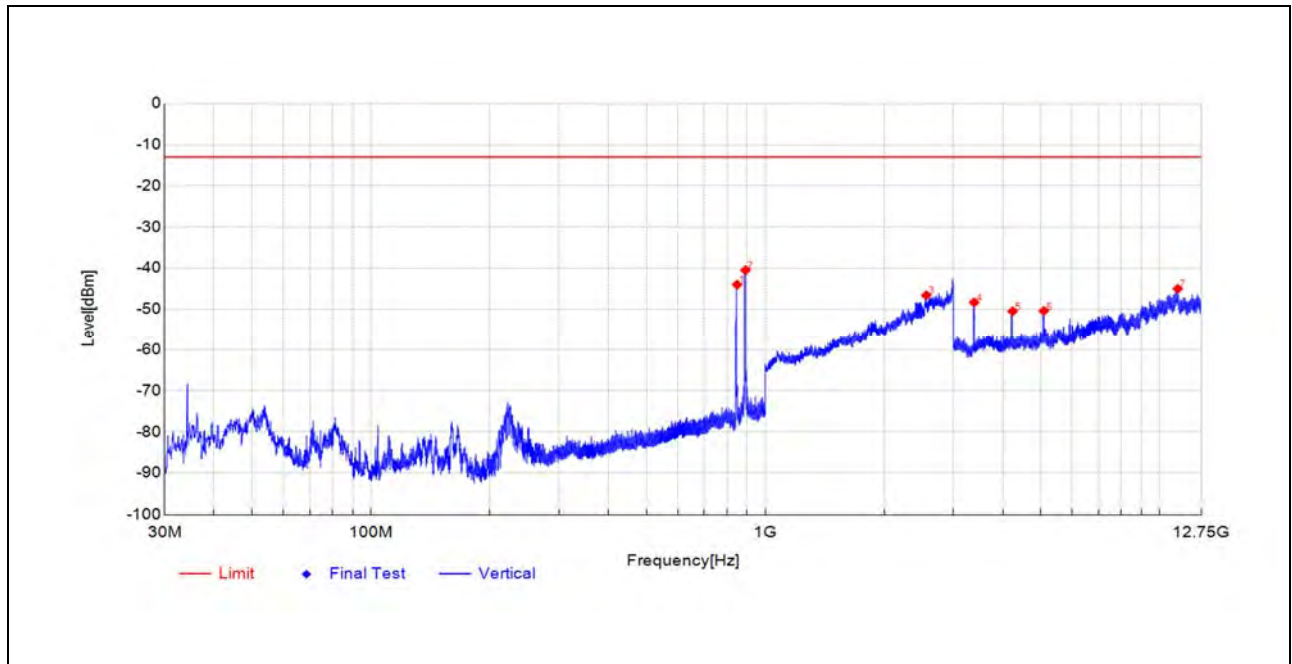


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
830.29	-39.33	-45.30	-6.0	-	-	Vertical	PK	NA
875.5428	-36.27	-40.90	-4.6	-	-	Vertical	PK	NA
2638.3277	-59.15	-46.66	12.5	-13.0	33.7	Vertical	PK	PASS
3325.6663	-49.33	-50.13	-0.8	-13.0	37.1	Vertical	PK	PASS
4157.8704	-54.12	-51.90	2.2	-13.0	38.9	Vertical	PK	PASS
4989.0995	-55.71	-50.35	5.4	-13.0	37.4	Vertical	PK	PASS
11116.305	-67.09	-44.91	22.2	-13.0	31.9	Vertical	PK	PASS

Plot for High Channel



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
848.5754	-48.36	-53.56	-5.2	-	-	Horizontal	PK	NA
891.9366	-46.04	-50.72	-4.7	-	-	Horizontal	PK	NA
2698.7397	-58.36	-45.73	12.6	-13.0	32.7	Horizontal	PK	PASS
3390.9946	-49.98	-49.91	0.1	-13.0	36.9	Horizontal	PK	PASS
4231.9741	-54.95	-52.70	2.3	-13.0	39.7	Horizontal	PK	PASS
5084.1667	-58.64	-52.57	6.1	-13.0	39.6	Horizontal	PK	PASS
10992.962	-67.03	-46.06	21.0	-13.0	33.1	Horizontal	PK	PASS



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
848.3814	-38.44	-43.98	-5.5	-	-	Vertical	PK	NA
890.53	-36.03	-40.47	-4.4	-	-	Vertical	PK	NA
2560.3121	-58.62	-46.58	12.0	-13.0	33.6	Vertical	PK	PASS
3386.1193	-48.40	-48.29	0.1	-13.0	35.3	Vertical	PK	PASS
4238.3119	-52.72	-50.46	2.3	-13.0	37.5	Vertical	PK	PASS
5084.1667	-55.84	-50.37	5.5	-13.0	37.4	Vertical	PK	PASS
11111.918	-67.23	-44.99	22.2	-13.0	32.0	Vertical	PK	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.



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	2025.09.02	2026.09.01
Temperature Chamber	S022177101 00089002	KMT-36LF 1A0	KOMEG	2025.09.02	2026.09.01

4.2 List of Software Used

Description	Manufacturer	Software Version
MOR-2023E Test System	MORLAB	V7.99
JS36-RSE	Tonscend	5.0.0

**4.3 Radiated Test Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
System Simulator	152038	CMW500	R&S	2025.09.03	2026.09.02
Receiver	MY56060145	N9020A	Agilent	2025.05.13	2026.05.12
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2025.06.22	2026.06.21
Test Antenna - Horn	9120D-963	BBHA 9120D	Schwarzbeck	2025.05.16	2026.05.15
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	2025.09.03	2026.09.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2025.09.03	2026.09.02
RF Coaxial Cable (DC-18GHz)	22120181	QA500-18-N N-5	Qualwave	2025.09.03	2026.09.02
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 14	Wainwright	N/A	N/A
Notch Filter	N/A	WRCGV -LTE 26	Wainwright	N/A	N/A
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.06.21	2028.06.20
Anechoic Chamber	N/A	9m*6m*6m	CRT	2025.04.19	2028.04.18

END OF REPORT