



REPORT No.: SZ24090048W07

TEST REPORT

APPLICANT : Rhino Mobility LLC

PRODUCT NAME : Tablet

MODEL NAME : T105

PART NUMBER : T105-001-RHN-0A-001

BRAND NAME : RHINO

FCC ID : 2AUOUT105

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

RECEIPT DATE : 2024-09-09

TEST DATE : 2024-10-10 to 2024-11-22

ISSUE DATE : 2024-11-26



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Change History		
Version	Date	Reason for change
1.0	2024-11-26	First edition



1. Technical Information

Note: Provide by applicant.

1.1. Applicant and Manufacturer Information

Applicant:	Rhino Mobility LLC
Applicant Address:	8 The Green, Suite A, Dover, Delaware, 19901, USA
Manufacturer:	Rhino Mobility LLC
Manufacturer Address:	8 The Green, Suite A, Dover, Delaware, 19901, USA

1.2. Equipment Under Test (EUT) Description

Product Name:	Tablet	
Sample No.:	1#, 11#	
Hardware Version:	T1007-MB_V1.0	
Software Version:	T105(001)_20241114	
Modulation Type:	QPSK, 16QAM, 64QAM	
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	-3.01dBi
	LTE Band 18	-1.88dBi
	LTE Band 26	-1.38dBi



Accessory Information:	Battery	
	Brand Name:	N/A
	Model No.:	BPT105
	Serial No.:	N/A
	Capacity:	7000mAh
	Rated Voltage:	3.85V
	Charge Limit:	4.4V
	Manufacturer:	Phenix New Energy (Huizhou) Co., Ltd.
	AC Adapter	
	Brand Name:	RHINO
	Model No.:	PS20C120K1670UC
	Serial No.:	N/A
	Rated Output:	5.0V $\pm$ 3.0A, 9.0V $\pm$ 2.22A, 12.0V $\pm$ 1.67A
	Rated Input:	100-240V $\sim$ 50/60Hz, 0.6A
	Manufacturer:	Shenzhen Flypower Technology Co., Ltd.
	USB Cable 1	
	Model No.:	USB TYPE C to C 2.0
	Manufacturer:	HUIZHOU WASHIN ELECTRONICS CO., LTD
	USB Cable 2	
	Model No.:	CP.SJ01.H.0422
	Manufacturer:	Dongguan Keling Electronic Technology Co., Ltd.

Note 1: 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	64QAM	QPSK	16QAM	64QAM
10	0.074	0.065	0.063	8M96G7D	8M94W7D	8M95W7D
5	0.074	0.064	0.063	4M48G7D	4M48W7D	4M48W7D
LTE Band 18	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
5	0.085	0.070	0.056	4M49G7D	4M50W7D	4M49W7D
LTE Band 26	Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)	QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10	0.092	0.079	0.062	8M96G7D	8M97W7D	8M95W7D
5	0.093	0.077	0.062	4M49G7D	4M49W7D	4M48W7D
3	0.093	0.079	0.061	2M71G7D	2M72W7D	2M72W7D
1.4	0.092	0.078	0.064	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	Method Determination /Remark
2.1046, 90.541(d) 90.635(b)	Transmitter Conducted Output Power and ERP/EIRP	Nov. 22, 2024	Zheng Jianhua Gan Jing	PASS	No deviation
2.1049	Occupied Bandwidth	Oct. 21, 2024 Nov. 22, 2024	Gan Jing	PASS	No deviation
2.1055, 90.543	Frequency Stability	Nov. 19, 2024	Li Huaijie	PASS	No deviation
2.1051, 90.691(a) 90.543(f)	Conducted Spurious Emissions	Oct. 21, 2024 Nov. 22, 2024	Li Huaijie	PASS	No deviation
2.1051, 90.691(a) 90.543(e)	Band Edge	Oct. 21, 2024 Nov. 22, 2024	Li Huaijie	PASS	No deviation
2.1053, 90.691(a) 90.543(f)	Radiated Spurious Emissions	Nov. 15, 2024	Yang Lian	PASS	No deviation

Note 1: The tests were performed according to the method of measurements prescribed in KDB971168 D01 v03 and ANSI/TIA-603-E-2016.

Note 2: Additions to, deviation, or exclusions from the method shall be judged in the "method determination" column of add, deviate or exclude from the specific method shall be explained in the "Remark" of the above table.

Note 3: When the test result is a critical value, we will use the measurement uncertainty give the judgment result based on the 95% confidence intervals.



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 90R&S Requirements

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

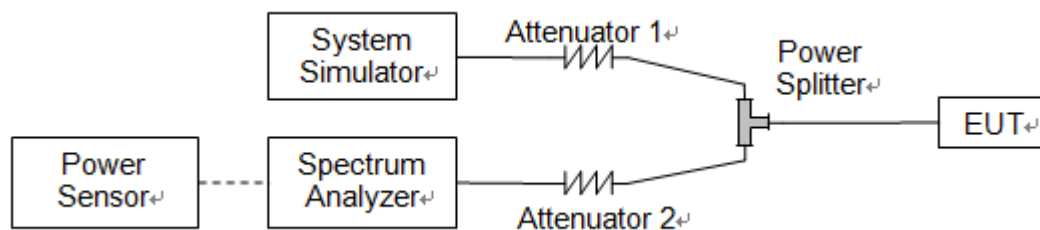
2.1.1. Requirement

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 90.541(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.

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.

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

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

**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	/	23.87	/
10	QPSK	1	25	/	23.81	/
10	QPSK	1	49	/	23.79	/
10	QPSK	25	0	/	23.05	/
10	QPSK	25	12	/	22.94	/
10	QPSK	25	25	/	22.93	/
10	QPSK	50	0	/	23.02	/
10	16QAM	1	0	/	23.27	/
10	16QAM	1	25	/	23.23	/
10	16QAM	1	49	/	23.24	/
10	16QAM	25	0	/	22.17	/
10	16QAM	25	12	/	21.84	/
10	16QAM	25	25	/	22.01	/
10	16QAM	50	0	/	21.72	/
10	64QAM	1	0	/	23.04	/
10	64QAM	1	25	/	22.91	/
10	64QAM	1	49	/	23.18	/
10	64QAM	25	0	/	22.18	/
10	64QAM	25	12	/	21.93	/
10	64QAM	25	25	/	21.84	/
10	64QAM	50	0	/	22.04	/



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	23.79	23.84	23.81
5	QPSK	1	12	23.84	23.82	23.79
5	QPSK	1	24	23.76	23.73	23.68
5	QPSK	12	0	22.93	23.04	22.85
5	QPSK	12	7	22.91	22.92	23.02
5	QPSK	12	13	23.06	22.91	22.75
5	QPSK	25	0	23.12	23.04	22.99
5	16QAM	1	0	23.08	23.22	23.17
5	16QAM	1	12	23.14	23.15	23.20
5	16QAM	1	24	23.09	23.15	23.18
5	16QAM	12	0	22.03	21.97	21.94
5	16QAM	12	7	21.82	22.13	21.86
5	16QAM	12	13	21.71	22.03	21.79
5	16QAM	25	0	22.10	22.05	21.88
5	64QAM	1	0	23.07	23.14	23.12
5	64QAM	1	12	23.14	23.16	22.96
5	64QAM	1	24	23.00	23.01	22.75
5	64QAM	12	0	22.12	21.92	21.92
5	64QAM	12	7	21.84	22.13	21.99
5	64QAM	12	13	21.72	21.85	21.85
5	64QAM	25	0	22.02	21.79	21.87



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	22.75	23.02	23.23
5	QPSK	1	12	23.31	22.97	23.04
5	QPSK	1	24	22.83	22.94	23.10
5	QPSK	12	0	22.26	21.92	22.23
5	QPSK	12	7	21.95	22.25	21.93
5	QPSK	12	13	21.91	22.25	21.87
5	QPSK	25	0	22.24	22.21	21.98
5	16QAM	1	0	22.48	22.45	22.30
5	16QAM	1	12	22.49	22.42	22.36
5	16QAM	1	24	22.30	22.34	22.30
5	16QAM	12	0	21.15	21.13	21.27
5	16QAM	12	7	21.29	21.07	21.27
5	16QAM	12	13	21.21	21.17	21.10
5	16QAM	25	0	21.19	21.11	21.27
5	64QAM	1	0	21.27	21.53	21.21
5	64QAM	1	12	21.38	21.33	21.15
5	64QAM	1	24	21.38	21.04	21.03
5	64QAM	12	0	20.22	20.08	20.08
5	64QAM	12	7	20.31	20.03	20.28
5	64QAM	12	13	20.24	20.24	20.34
5	64QAM	25	0	20.11	20.06	20.13



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	/	22.91	/
10	QPSK	1	25	/	23.18	/
10	QPSK	1	49	/	23.14	/
10	QPSK	25	0	/	22.29	/
10	QPSK	25	12	/	22.29	/
10	QPSK	25	25	/	22.38	/
10	QPSK	50	0	/	22.37	/
10	16QAM	1	0	/	22.27	/
10	16QAM	1	25	/	22.44	/
10	16QAM	1	49	/	22.49	/
10	16QAM	25	0	/	21.28	/
10	16QAM	25	12	/	21.34	/
10	16QAM	25	25	/	21.24	/
10	16QAM	50	0	/	21.16	/
10	64QAM	1	0	/	21.24	/
10	64QAM	1	25	/	21.26	/
10	64QAM	1	49	/	21.42	/
10	64QAM	25	0	/	20.18	/
10	64QAM	25	12	/	20.29	/
10	64QAM	25	25	/	20.31	/
10	64QAM	50	0	/	20.17	/



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	23.13	23.19	23.08
5	QPSK	1	12	23.14	23.17	23.22
5	QPSK	1	24	23.19	23.03	23.16
5	QPSK	12	0	22.18	22.16	22.26
5	QPSK	12	7	22.26	22.22	22.39
5	QPSK	12	13	22.23	22.26	22.27
5	QPSK	25	0	22.23	22.33	22.18
5	16QAM	1	0	22.17	22.18	22.42
5	16QAM	1	12	22.28	22.26	22.42
5	16QAM	1	24	22.33	22.25	22.33
5	16QAM	12	0	21.07	21.36	21.25
5	16QAM	12	7	21.23	21.29	21.31
5	16QAM	12	13	21.18	21.43	21.28
5	16QAM	25	0	21.20	21.14	21.07
5	64QAM	1	0	21.22	21.29	21.02
5	64QAM	1	12	21.25	21.34	21.32
5	64QAM	1	24	21.11	21.29	21.46
5	64QAM	12	0	20.02	20.18	20.22
5	64QAM	12	7	20.24	20.33	20.37
5	64QAM	12	13	20.20	20.30	20.28
5	64QAM	25	0	20.23	20.23	20.25



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	23.16	23.20	23.07
3	QPSK	1	8	22.97	23.06	23.17
3	QPSK	1	14	23.00	23.08	23.07
3	QPSK	8	0	22.25	22.27	22.24
3	QPSK	8	4	22.27	22.32	22.26
3	QPSK	8	7	22.20	22.33	22.33
3	QPSK	15	0	22.28	22.37	22.27
3	16QAM	1	0	22.24	22.31	22.41
3	16QAM	1	8	22.49	22.27	22.50
3	16QAM	1	14	22.08	22.18	22.37
3	16QAM	8	0	21.20	21.26	21.12
3	16QAM	8	4	21.19	21.28	21.34
3	16QAM	8	7	21.20	21.34	21.27
3	16QAM	15	0	21.20	21.19	21.18
3	64QAM	1	0	21.02	21.28	21.11
3	64QAM	1	8	21.22	21.22	21.05
3	64QAM	1	14	21.29	21.41	21.17
3	64QAM	8	0	20.10	20.20	20.32
3	64QAM	8	4	20.29	20.18	20.37
3	64QAM	8	7	20.18	20.25	20.26
3	64QAM	15	0	20.10	20.20	20.19



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	23.05	23.16	23.07
1.4	QPSK	1	3	23.05	23.10	23.17
1.4	QPSK	1	5	23.11	22.88	23.15
1.4	QPSK	3	0	22.80	23.01	22.81
1.4	QPSK	3	1	22.92	22.69	22.96
1.4	QPSK	3	3	22.74	23.00	22.90
1.4	QPSK	6	0	21.94	22.05	21.99
1.4	16QAM	1	0	22.08	22.18	22.38
1.4	16QAM	1	3	22.17	22.28	22.31
1.4	16QAM	1	5	22.14	22.43	22.31
1.4	16QAM	3	0	22.18	22.19	22.20
1.4	16QAM	3	1	22.15	22.11	22.32
1.4	16QAM	3	3	22.17	22.18	22.13
1.4	16QAM	6	0	21.17	21.19	21.27
1.4	64QAM	1	0	21.27	21.14	21.60
1.4	64QAM	1	3	21.09	21.36	21.32
1.4	64QAM	1	5	21.09	21.39	21.17
1.4	64QAM	3	0	21.07	21.31	21.25
1.4	64QAM	3	1	21.10	21.18	21.36
1.4	64QAM	3	3	21.26	21.27	21.40
1.4	64QAM	6	0	20.15	20.25	20.27

**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	/	/	18.71	0.074	/	/
10	QPSK	1	25	/	/	18.65	0.073	/	/
10	QPSK	1	49	/	/	18.63	0.073	/	/
10	QPSK	25	0	/	/	17.89	0.062	/	/
10	QPSK	25	12	/	/	17.78	0.060	/	/
10	QPSK	25	25	/	/	17.77	0.060	/	/
10	QPSK	50	0	/	/	17.86	0.061	/	/
10	16QAM	1	0	/	/	18.11	0.065	/	/
10	16QAM	1	25	/	/	18.07	0.064	/	/
10	16QAM	1	49	/	/	18.08	0.064	/	/
10	16QAM	25	0	/	/	17.01	0.050	/	/
10	16QAM	25	12	/	/	16.68	0.047	/	/
10	16QAM	25	25	/	/	16.85	0.048	/	/
10	16QAM	50	0	/	/	16.56	0.045	/	/
10	64QAM	1	0	/	/	17.88	0.061	/	/
10	64QAM	1	25	/	/	17.75	0.060	/	/
10	64QAM	1	49	/	/	18.02	0.063	/	/
10	64QAM	25	0	/	/	17.02	0.050	/	/
10	64QAM	25	12	/	/	16.77	0.048	/	/
10	64QAM	25	25	/	/	16.68	0.047	/	/
10	64QAM	50	0	/	/	16.88	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	18.63	0.073	18.68	0.074	18.65	0.073
5	QPSK	1	12	18.68	0.074	18.66	0.073	18.63	0.073
5	QPSK	1	24	18.60	0.072	18.57	0.072	18.52	0.071
5	QPSK	12	0	17.77	0.060	17.88	0.061	17.69	0.059
5	QPSK	12	7	17.75	0.060	17.76	0.060	17.86	0.061
5	QPSK	12	13	17.90	0.062	17.75	0.060	17.59	0.057
5	QPSK	25	0	17.96	0.063	17.88	0.061	17.83	0.061
5	16QAM	1	0	17.92	0.062	18.06	0.064	18.01	0.063
5	16QAM	1	12	17.98	0.063	17.99	0.063	18.04	0.064
5	16QAM	1	24	17.93	0.062	17.99	0.063	18.02	0.063
5	16QAM	12	0	16.87	0.049	16.81	0.048	16.78	0.048
5	16QAM	12	7	16.66	0.046	16.97	0.050	16.70	0.047
5	16QAM	12	13	16.55	0.045	16.87	0.049	16.63	0.046
5	16QAM	25	0	16.94	0.049	16.89	0.049	16.72	0.047
5	64QAM	1	0	17.91	0.062	17.98	0.063	17.96	0.063
5	64QAM	1	12	17.98	0.063	18.00	0.063	17.80	0.060
5	64QAM	1	24	17.84	0.061	17.85	0.061	17.59	0.057
5	64QAM	12	0	16.96	0.050	16.76	0.047	16.76	0.047
5	64QAM	12	7	16.68	0.047	16.97	0.050	16.83	0.048
5	64QAM	12	13	16.56	0.045	16.69	0.047	16.69	0.047
5	64QAM	25	0	16.86	0.049	16.63	0.046	16.71	0.047



LTE Band 18				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				23875		23895		23915	
Frequency (MHz)				817.5		819.5		821.5	
				dBm	W	dBm	W	dBm	W
5	QPSK	1	0	18.72	0.074	18.99	0.079	19.20	0.083
5	QPSK	1	12	19.28	0.085	18.94	0.078	19.01	0.080
5	QPSK	1	24	18.80	0.076	18.91	0.078	19.07	0.081
5	QPSK	12	0	18.23	0.067	17.89	0.062	18.20	0.066
5	QPSK	12	7	17.92	0.062	18.22	0.066	17.90	0.062
5	QPSK	12	13	17.88	0.061	18.22	0.066	17.84	0.061
5	QPSK	25	0	18.21	0.066	18.18	0.066	17.95	0.062
5	16QAM	1	0	18.45	0.070	18.42	0.070	18.27	0.067
5	16QAM	1	12	18.46	0.070	18.39	0.069	18.33	0.068
5	16QAM	1	24	18.27	0.067	18.31	0.068	18.27	0.067
5	16QAM	12	0	17.12	0.052	17.10	0.051	17.24	0.053
5	16QAM	12	7	17.26	0.053	17.04	0.051	17.24	0.053
5	16QAM	12	13	17.18	0.052	17.14	0.052	17.07	0.051
5	16QAM	25	0	17.16	0.052	17.08	0.051	17.24	0.053
5	64QAM	1	0	17.24	0.053	17.50	0.056	17.18	0.052
5	64QAM	1	12	17.35	0.054	17.30	0.054	17.12	0.052
5	64QAM	1	24	17.35	0.054	17.01	0.050	17.00	0.050
5	64QAM	12	0	16.19	0.042	16.05	0.040	16.05	0.040
5	64QAM	12	7	16.28	0.042	16.00	0.040	16.25	0.042
5	64QAM	12	13	16.21	0.042	16.21	0.042	16.31	0.043
5	64QAM	25	0	16.08	0.041	16.03	0.040	16.10	0.041



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	/	19.38	0.087	/
10	QPSK	1	25	/	19.65	0.092	/
10	QPSK	1	49	/	19.61	0.091	/
10	QPSK	25	0	/	18.76	0.075	/
10	QPSK	25	12	/	18.76	0.075	/
10	QPSK	25	25	/	18.85	0.077	/
10	QPSK	50	0	/	18.84	0.077	/
10	16QAM	1	0	/	18.74	0.075	/
10	16QAM	1	25	/	18.91	0.078	/
10	16QAM	1	49	/	18.96	0.079	/
10	16QAM	25	0	/	17.75	0.060	/
10	16QAM	25	12	/	17.81	0.060	/
10	16QAM	25	25	/	17.71	0.059	/
10	16QAM	50	0	/	17.63	0.058	/
10	64QAM	1	0	/	17.71	0.059	/
10	64QAM	1	25	/	17.73	0.059	/
10	64QAM	1	49	/	17.89	0.062	/
10	64QAM	25	0	/	16.65	0.046	/
10	64QAM	25	12	/	16.76	0.047	/
10	64QAM	25	25	/	16.78	0.048	/
10	64QAM	50	0	/	16.64	0.046	/



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	19.60	0.091	19.66	0.092	19.55	0.090
5	QPSK	1	12	19.61	0.091	19.64	0.092	19.69	0.093
5	QPSK	1	24	19.66	0.092	19.50	0.089	19.63	0.092
5	QPSK	12	0	18.65	0.073	18.63	0.073	18.73	0.075
5	QPSK	12	7	18.73	0.075	18.69	0.074	18.86	0.077
5	QPSK	12	13	18.70	0.074	18.73	0.075	18.74	0.075
5	QPSK	25	0	18.70	0.074	18.80	0.076	18.65	0.073
5	16QAM	1	0	18.64	0.073	18.65	0.073	18.89	0.077
5	16QAM	1	12	18.75	0.075	18.73	0.075	18.89	0.077
5	16QAM	1	24	18.80	0.076	18.72	0.074	18.80	0.076
5	16QAM	12	0	17.54	0.057	17.83	0.061	17.72	0.059
5	16QAM	12	7	17.70	0.059	17.76	0.060	17.78	0.060
5	16QAM	12	13	17.65	0.058	17.90	0.062	17.75	0.060
5	16QAM	25	0	17.67	0.058	17.61	0.058	17.54	0.057
5	64QAM	1	0	17.69	0.059	17.76	0.060	17.49	0.056
5	64QAM	1	12	17.72	0.059	17.81	0.060	17.79	0.060
5	64QAM	1	24	17.58	0.057	17.76	0.060	17.93	0.062
5	64QAM	12	0	16.49	0.045	16.65	0.046	16.69	0.047
5	64QAM	12	7	16.71	0.047	16.80	0.048	16.84	0.048
5	64QAM	12	13	16.67	0.046	16.77	0.048	16.75	0.047
5	64QAM	25	0	16.70	0.047	16.70	0.047	16.72	0.047



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	19.63	0.092	19.67	0.093	19.54	0.090
3	QPSK	1	8	19.44	0.088	19.53	0.090	19.64	0.092
3	QPSK	1	14	19.47	0.089	19.55	0.090	19.54	0.090
3	QPSK	8	0	18.72	0.074	18.74	0.075	18.71	0.074
3	QPSK	8	4	18.74	0.075	18.79	0.076	18.73	0.075
3	QPSK	8	7	18.67	0.074	18.80	0.076	18.80	0.076
3	QPSK	15	0	18.75	0.075	18.84	0.077	18.74	0.075
3	16QAM	1	0	18.71	0.074	18.78	0.076	18.88	0.077
3	16QAM	1	8	18.96	0.079	18.74	0.075	18.97	0.079
3	16QAM	1	14	18.55	0.072	18.65	0.073	18.84	0.077
3	16QAM	8	0	17.67	0.058	17.73	0.059	17.59	0.057
3	16QAM	8	4	17.66	0.058	17.75	0.060	17.81	0.060
3	16QAM	8	7	17.67	0.058	17.81	0.060	17.74	0.059
3	16QAM	15	0	17.67	0.058	17.66	0.058	17.65	0.058
3	64QAM	1	0	17.49	0.056	17.75	0.060	17.58	0.057
3	64QAM	1	8	17.69	0.059	17.69	0.059	17.52	0.056
3	64QAM	1	14	17.76	0.060	17.88	0.061	17.64	0.058
3	64QAM	8	0	16.57	0.045	16.67	0.046	16.79	0.048
3	64QAM	8	4	16.76	0.047	16.65	0.046	16.84	0.048
3	64QAM	8	7	16.65	0.046	16.72	0.047	16.73	0.047
3	64QAM	15	0	16.57	0.045	16.67	0.046	16.66	0.046



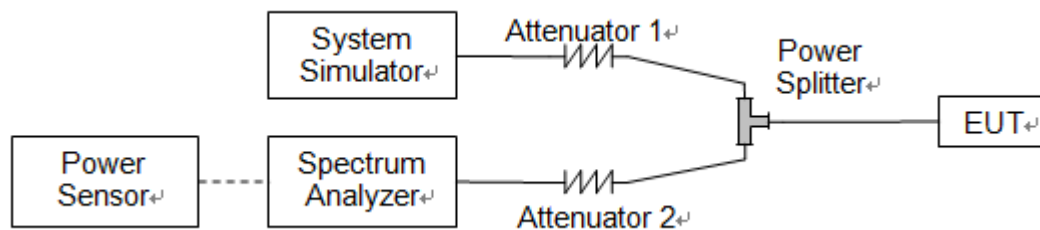
LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26697		26740		26783	
Frequency (MHz)				814.7		819.0		823.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	19.52	0.090	19.63	0.092	19.54	0.090
1.4	QPSK	1	3	19.52	0.090	19.57	0.091	19.64	0.092
1.4	QPSK	1	5	19.58	0.091	19.35	0.086	19.62	0.092
1.4	QPSK	3	0	19.27	0.085	19.48	0.089	19.28	0.085
1.4	QPSK	3	1	19.39	0.087	19.16	0.082	19.43	0.088
1.4	QPSK	3	3	19.21	0.083	19.47	0.089	19.37	0.086
1.4	QPSK	6	0	18.41	0.069	18.52	0.071	18.46	0.070
1.4	16QAM	1	0	18.55	0.072	18.65	0.073	18.85	0.077
1.4	16QAM	1	3	18.64	0.073	18.75	0.075	18.78	0.076
1.4	16QAM	1	5	18.61	0.073	18.90	0.078	18.78	0.076
1.4	16QAM	3	0	18.65	0.073	18.66	0.073	18.67	0.074
1.4	16QAM	3	1	18.62	0.073	18.58	0.072	18.79	0.076
1.4	16QAM	3	3	18.64	0.073	18.65	0.073	18.60	0.072
1.4	16QAM	6	0	17.64	0.058	17.66	0.058	17.74	0.059
1.4	64QAM	1	0	17.74	0.059	17.61	0.058	18.07	0.064
1.4	64QAM	1	3	17.56	0.057	17.83	0.061	17.79	0.060
1.4	64QAM	1	5	17.56	0.057	17.86	0.061	17.64	0.058
1.4	64QAM	3	0	17.54	0.057	17.78	0.060	17.72	0.059
1.4	64QAM	3	1	17.57	0.057	17.65	0.058	17.83	0.061
1.4	64QAM	3	3	17.73	0.059	17.74	0.059	17.87	0.061
1.4	64QAM	6	0	16.62	0.046	16.72	0.047	16.74	0.047

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	4.4746	4.9940	PASS
B14	5	Low	23305	790.5	16QAM	4.4848	5.0148	PASS
B14	5	Low	23305	790.5	64QAM	4.4835	4.9607	PASS
B14	5	Mid	23330	793	QPSK	4.4838	4.9751	PASS
B14	5	Mid	23330	793	16QAM	4.4827	4.9519	PASS
B14	5	Mid	23330	793	64QAM	4.4757	4.9509	PASS
B14	5	High	23355	795.5	QPSK	4.4812	4.9778	PASS
B14	5	High	23355	795.5	16QAM	4.4789	4.9646	PASS
B14	5	High	23355	795.5	64QAM	4.4773	5.0683	PASS
B14	10	Mid	23330	793	QPSK	8.9575	9.8042	PASS
B14	10	Mid	23330	793	16QAM	8.9369	9.7861	PASS
B14	10	Mid	23330	793	64QAM	8.9474	9.8860	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B18	5	Low	23875	817.5	QPSK	4.4741	4.9162	PASS
B18	5	Low	23875	817.5	16QAM	4.4946	4.9519	PASS
B18	5	Low	23875	817.5	64QAM	4.4829	5.0665	PASS
B18	5	Mid	23895	819.5	QPSK	4.4829	5.0288	PASS
B18	5	Mid	23895	819.5	16QAM	4.4951	4.9696	PASS
B18	5	Mid	23895	819.5	64QAM	4.4815	5.0557	PASS
B18	5	High	23915	821.5	QPSK	4.4866	4.9592	PASS
B18	5	High	23915	821.5	16QAM	4.4877	5.0006	PASS
B18	5	High	23915	821.5	64QAM	4.4850	4.9986	PASS



LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B26	1.4	Low	26697	814.7	QPSK	1.1009	1.3331	PASS
B26	1.4	Low	26697	814.7	16QAM	1.1046	1.3542	PASS
B26	1.4	Low	26697	814.7	64QAM	1.1006	1.3650	PASS
B26	1.4	Mid	26740	819	QPSK	1.1039	1.3500	PASS
B26	1.4	Mid	26740	819	16QAM	1.1092	1.3653	PASS
B26	1.4	Mid	26740	819	64QAM	1.1035	1.3571	PASS
B26	1.4	High	26783	823.3	QPSK	1.1022	1.3585	PASS
B26	1.4	High	26783	823.3	16QAM	1.1051	1.3701	PASS
B26	1.4	High	26783	823.3	64QAM	1.1062	1.3634	PASS
B26	3	Low	26705	815.5	QPSK	2.7148	3.0857	PASS
B26	3	Low	26705	815.5	16QAM	2.7202	3.0971	PASS
B26	3	Low	26705	815.5	64QAM	2.7119	3.0686	PASS
B26	3	Mid	26740	819	QPSK	2.7087	3.0378	PASS
B26	3	Mid	26740	819	16QAM	2.7135	3.0751	PASS
B26	3	Mid	26740	819	64QAM	2.7125	3.0618	PASS
B26	3	High	26775	822.5	QPSK	2.7143	3.0540	PASS
B26	3	High	26775	822.5	16QAM	2.7134	3.1052	PASS
B26	3	High	26775	822.5	64QAM	2.7206	3.0152	PASS
B26	5	Low	26715	816.5	QPSK	4.4788	5.0147	PASS
B26	5	Low	26715	816.5	16QAM	4.4948	4.9965	PASS
B26	5	Low	26715	816.5	64QAM	4.4774	5.0232	PASS
B26	5	Mid	26740	819	QPSK	4.4880	5.0214	PASS
B26	5	Mid	26740	819	16QAM	4.4907	5.0335	PASS
B26	5	Mid	26740	819	64QAM	4.4825	4.9963	PASS
B26	5	High	26765	821.5	QPSK	4.4823	5.0271	PASS
B26	5	High	26765	821.5	16QAM	4.4841	5.0262	PASS
B26	5	High	26765	821.5	64QAM	4.4780	4.9417	PASS
B26	10	Low	26740	819	QPSK	8.9479	9.7501	PASS
B26	10	Low	26740	819	16QAM	8.9671	9.7341	PASS
B26	10	Low	26740	819	64QAM	8.9332	9.7129	PASS
B26	10	Mid	26740	819	QPSK	8.9501	9.8738	PASS
B26	10	Mid	26740	819	16QAM	8.9511	9.7219	PASS
B26	10	Mid	26740	819	64QAM	8.9510	9.7662	PASS
B26	10	High	26740	819	QPSK	8.9627	9.7270	PASS
B26	10	High	26740	819	16QAM	8.9501	9.9324	PASS



B26	10	High	26740	819	64QAM	8.9472	9.6637	PASS
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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



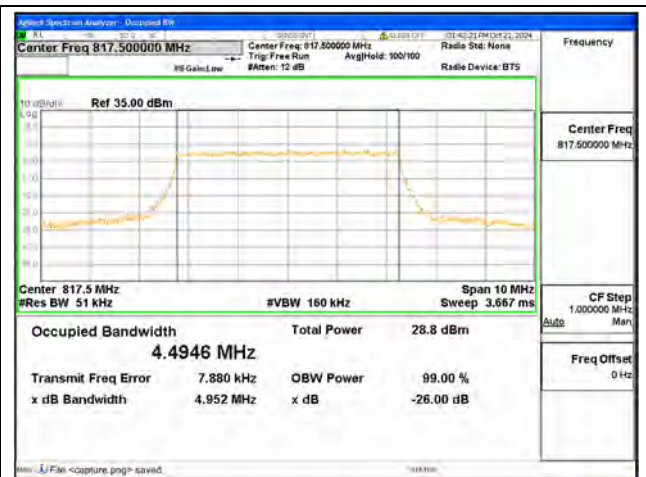
B14 / 10MHz / 16QAM/ Mid CH



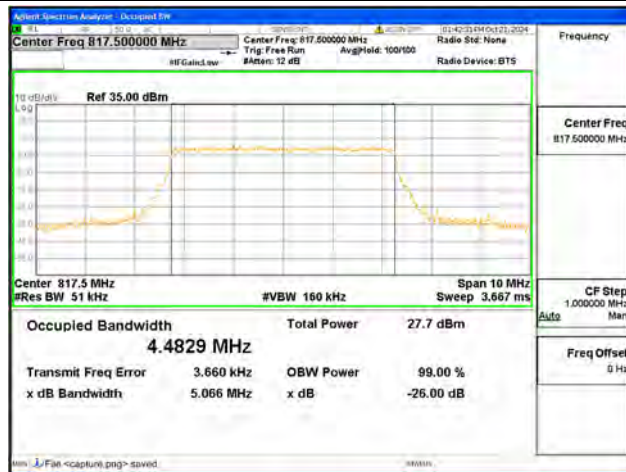
B14 / 10MHz / 64QAM/ Mid CH



B18 / 5MHz / QPSK/ Low CH



B18 / 5MHz / 16QAM/ Low CH



B18 / 5MHz / 64QAM/ Low CH



B18 / 5MHz / QPSK/ Mid CH



B18 / 5MHz / 16QAM/ Mid CH



B18 / 5MHz / 64QAM/ Mid CH



B18 / 5MHz / QPSK/ High CH



B18 / 5MHz / 16QAM/ High CH



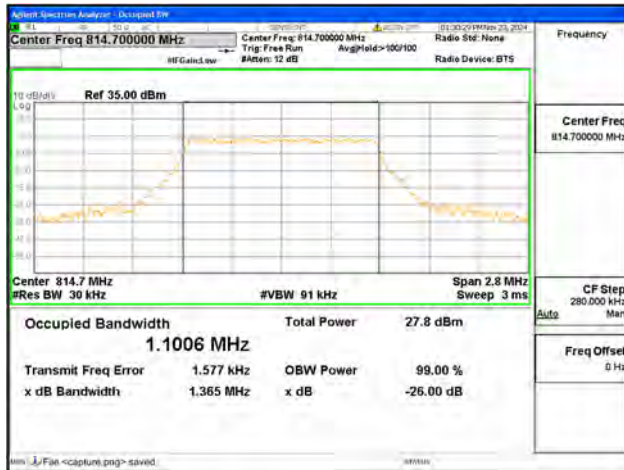
B18 / 5MHz / 64QAM/ High CH



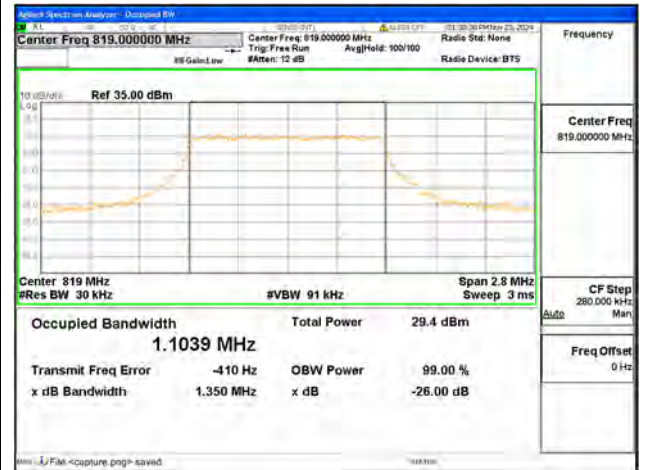
B26 / 1.4MHz / QPSK/ Low CH



B26 / 1.4MHz / 16QAM/ Low CH



B26 / 1.4MHz / 64QAM/ Low CH



B26 / 1.4MHz / QPSK/ Mid CH



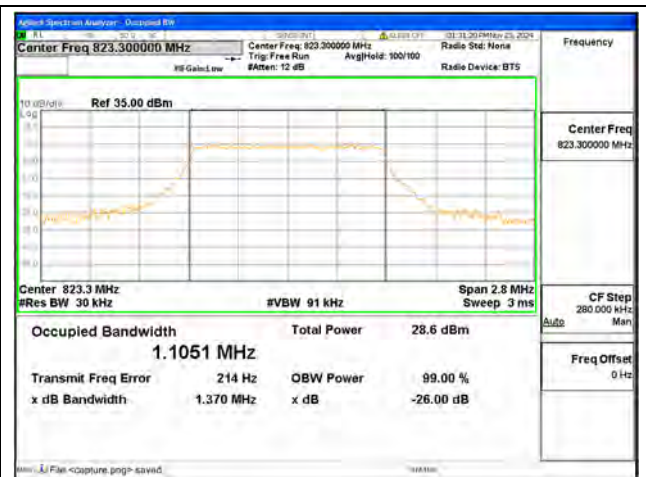
B26 / 1.4MHz / 16QAM/ Mid CH



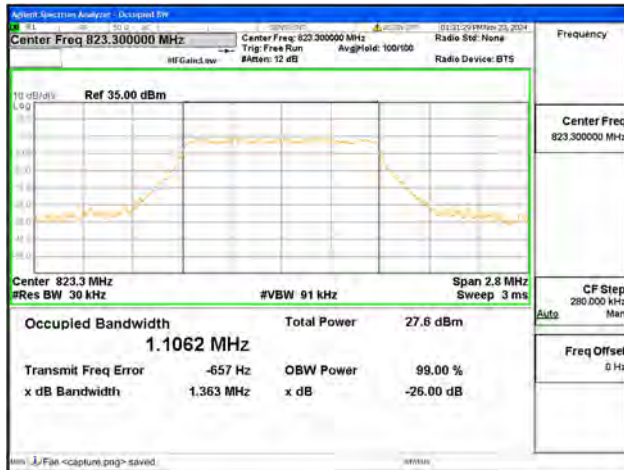
B26 / 1.4MHz / 64QAM/ Mid CH



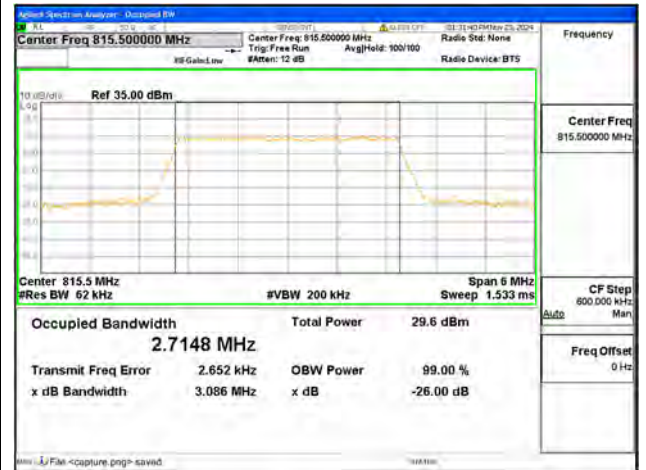
B26 / 1.4MHz / QPSK/ High CH



B26 / 1.4MHz / 16QAM/ High CH



B26 / 1.4MHz / 64QAM/ High CH



B26 / 3MHz / QPSK/ Low CH



B26 / 3MHz / 16QAM/ Low CH



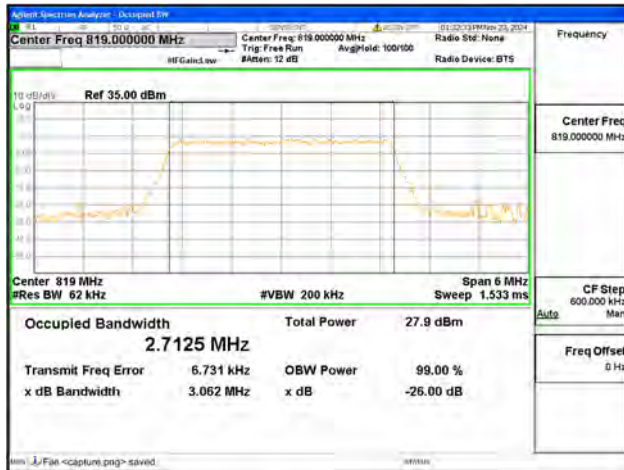
B26 / 3MHz / 64QAM/ Low CH



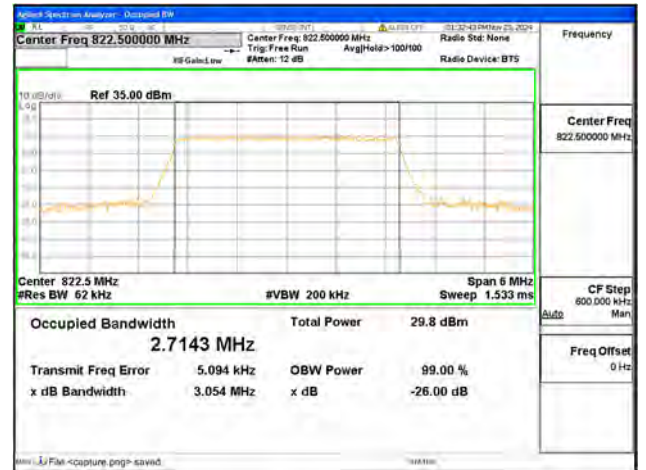
B26 / 3MHz / QPSK/ Mid CH



B26 / 3MHz / 16QAM/ Mid CH



B26 / 3MHz / 64QAM/ Mid CH



B26 / 3MHz / QPSK/ High CH



B26 / 3MHz / 16QAM/ High CH



B26 / 3MHz / 64QAM/ High CH



B26 / 5MHz / QPSK/ Low CH



B26 / 5MHz / 16QAM/ Low CH



B26 / 5MHz / 64QAM/ Low CH



B26 / 5MHz / QPSK/ Mid CH



B26 / 5MHz / 16QAM/ Mid CH



B26 / 5MHz / 64QAM/ Mid CH



B26 / 5MHz / QPSK/ High CH



B26 / 5MHz / 16QAM/ High CH



B26 / 5MHz / 64QAM/ High CH



B26 / 10MHz / QPSK/ Low CH



B26 / 10MHz / 16QAM/ Low CH



B26 / 10MHz / 64QAM/ Low CH



B26 / 10MHz / QPSK/ Mid CH



B26 / 10MHz / 16QAM/ Mid CH



B26 / 10MHz / 64QAM/ Mid CH



B26 / 10MHz / QPSK/ High CH



B26 / 10MHz / 16QAM/ High CH



B26 / 10MHz / 64QAM/ High CH

2.3. Frequency Stability

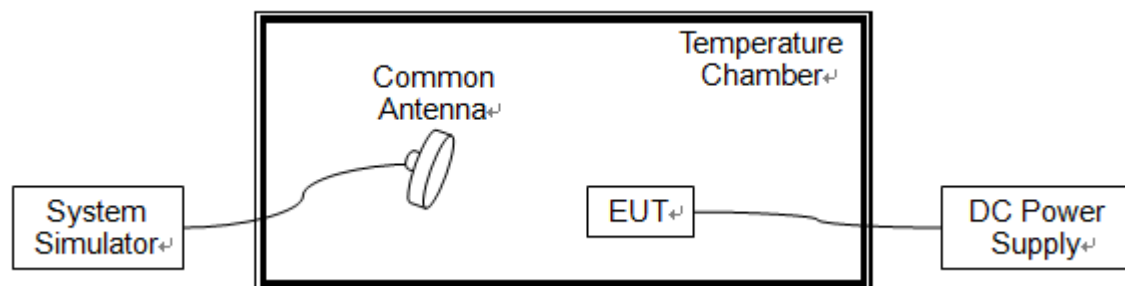
2.3.1. Requirement

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°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 0°C to 45°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 3.85V, 4.45V and 3.65V, which are specified by the applicant; the normal temperature here used is 20°C.

LTE Band 14, 64QAM, Channel 23330, Frequency 793.0MHz Limit=±2.5ppm					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	18	0.022	PASS
Normal		0	3	0.004	
Normal		+10	15	0.018	
Normal		+20	22	0.027	
Normal		+30	8	0.010	
Normal		+40	13	0.016	
Normal		+45	10	0.012	
High	4.45	+20	16	0.020	
BATT.ENDPOINT	3.65	+20	3	0.004	

LTE Band 18, 64QAM, Channel 23895, Frequency 819.5MHz Limit =Within Authorized Band					
Voltage (%)	Power (VDC)	Temp (°C)	Fre. Dev. (Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	14	0.017	PASS
Normal		0	17	0.021	
Normal		+10	20	0.024	
Normal		+20	4	0.005	
Normal		+30	19	0.023	
Normal		+40	-21	-0.026	
Normal		+45	-14	-0.017	
High	4.45	+20	-7	-0.009	
BATT.ENDPOINT	3.65	+20	13	0.016	



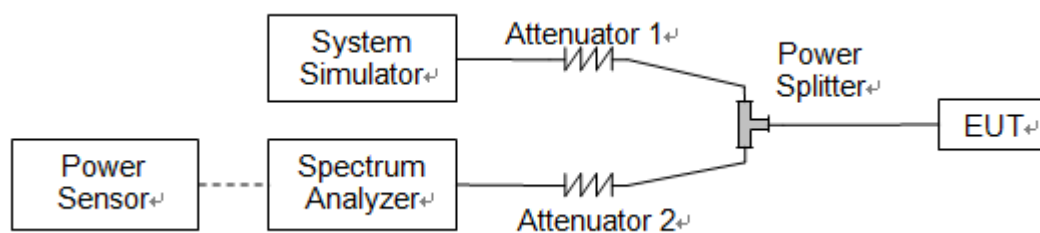
LTE Band 26, 64QAM, Channel 26740, Frequency 819MHz Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.85	+20(Ref)	14	0.017	PASS
Normal		0	-5	-0.006	
Normal		+10	17	0.021	
Normal		+20	-2	-0.002	
Normal		+30	13	0.016	
Normal		+40	11	0.013	
Normal		+45	19	0.023	
High	4.45	+20	14	0.017	
BATT.ENDPOINT	3.65	+20	-10	-0.012	

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



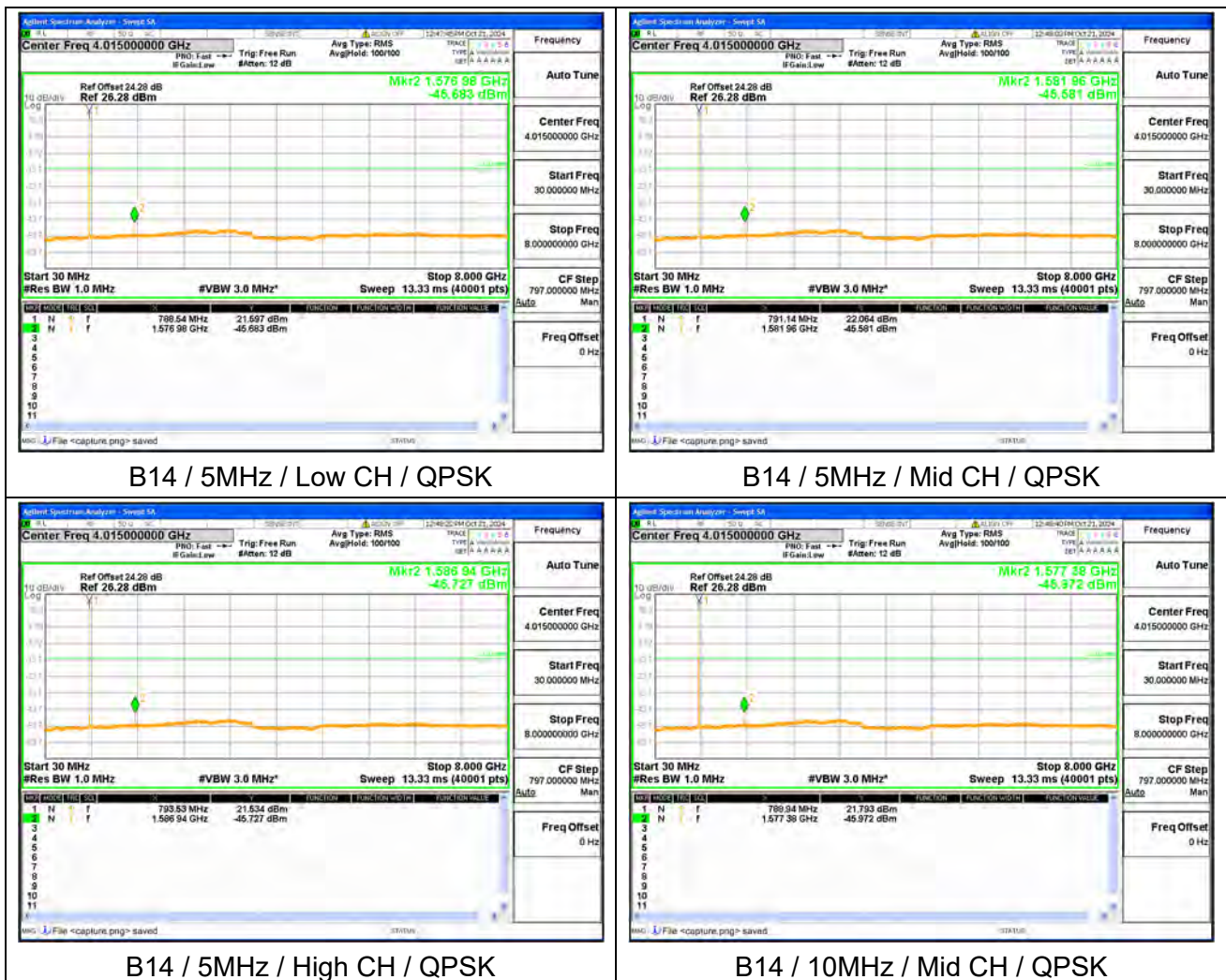
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum 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 / Low CH / 16QAM



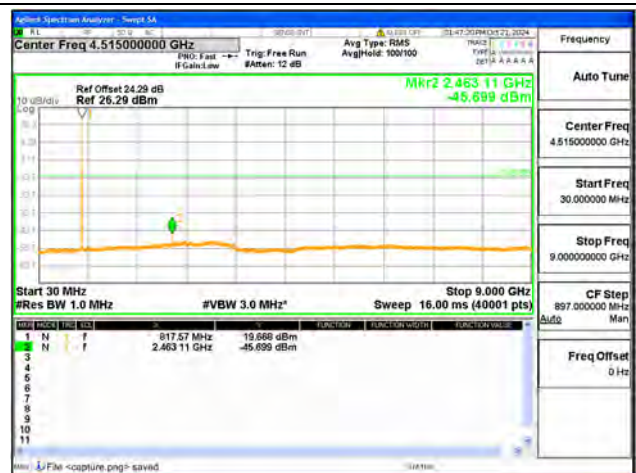
B18 part90 / 5MHz / Low CH / 64QAM



B18 part90 / 5MHz / Mid CH / QPSK



B18 part90 / 5MHz / Mid CH / 16QAM



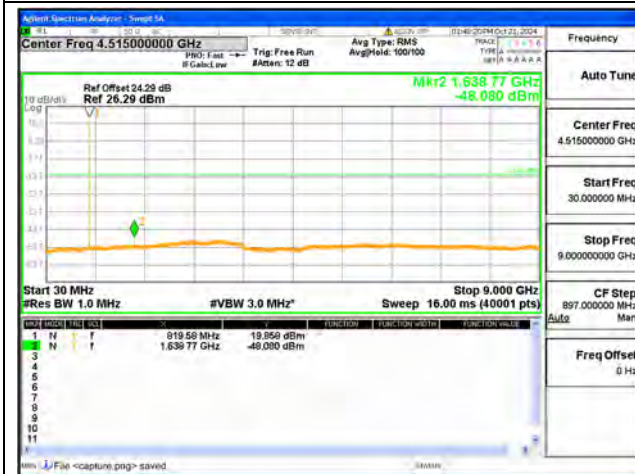
B18 part90 / 5MHz / Mid CH / 64QAM



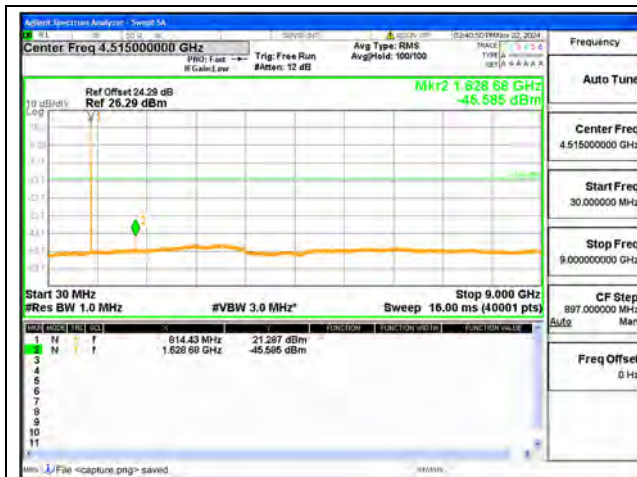
B18 part90 / 5MHz / High CH / QPSK



B18 part90 / 5MHz / High CH / 16QAM



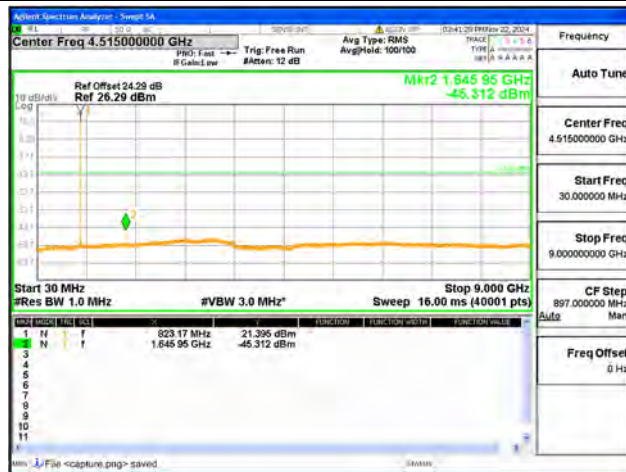
B18 part90 / 5MHz / High CH / 64QAM



B26 Part90 / 1.4MHz / Low CH / QPSK



B26 Part90 / 1.4MHz / Mid CH / QPSK



B26 Part90 / 1.4MHz / High CH / QPSK



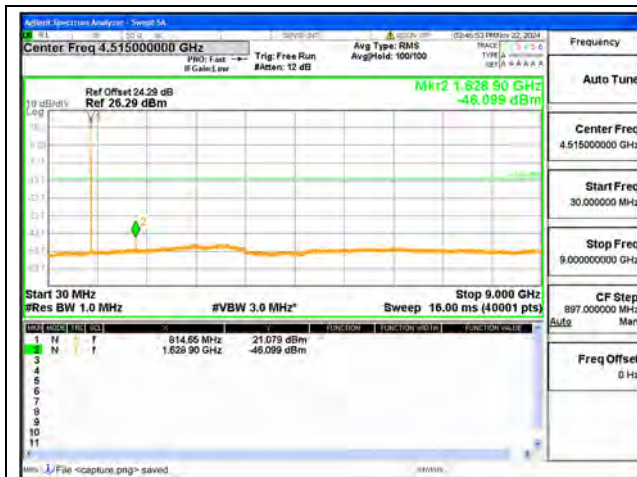
B26 Part90 / 3MHz / Low CH / QPSK



B26 Part90 / 3MHz / Mid CH / QPSK



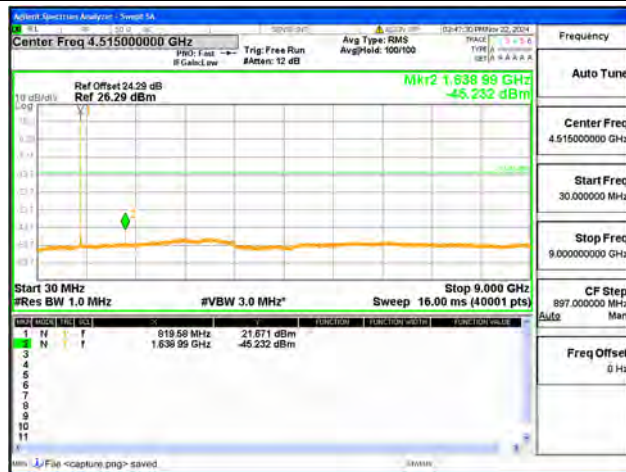
B26 Part90 / 3MHz / High CH / QPSK



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

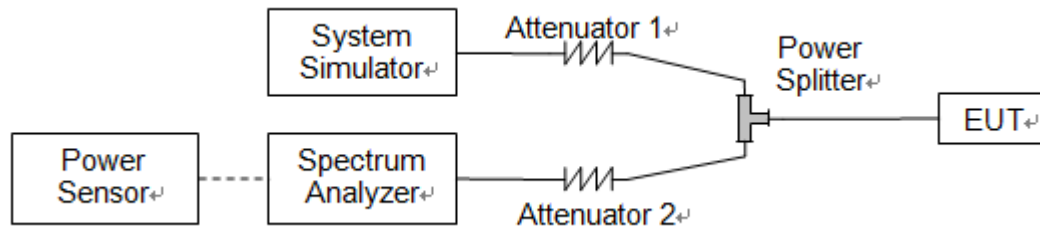
According to FCC section 90.543(e), for operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance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



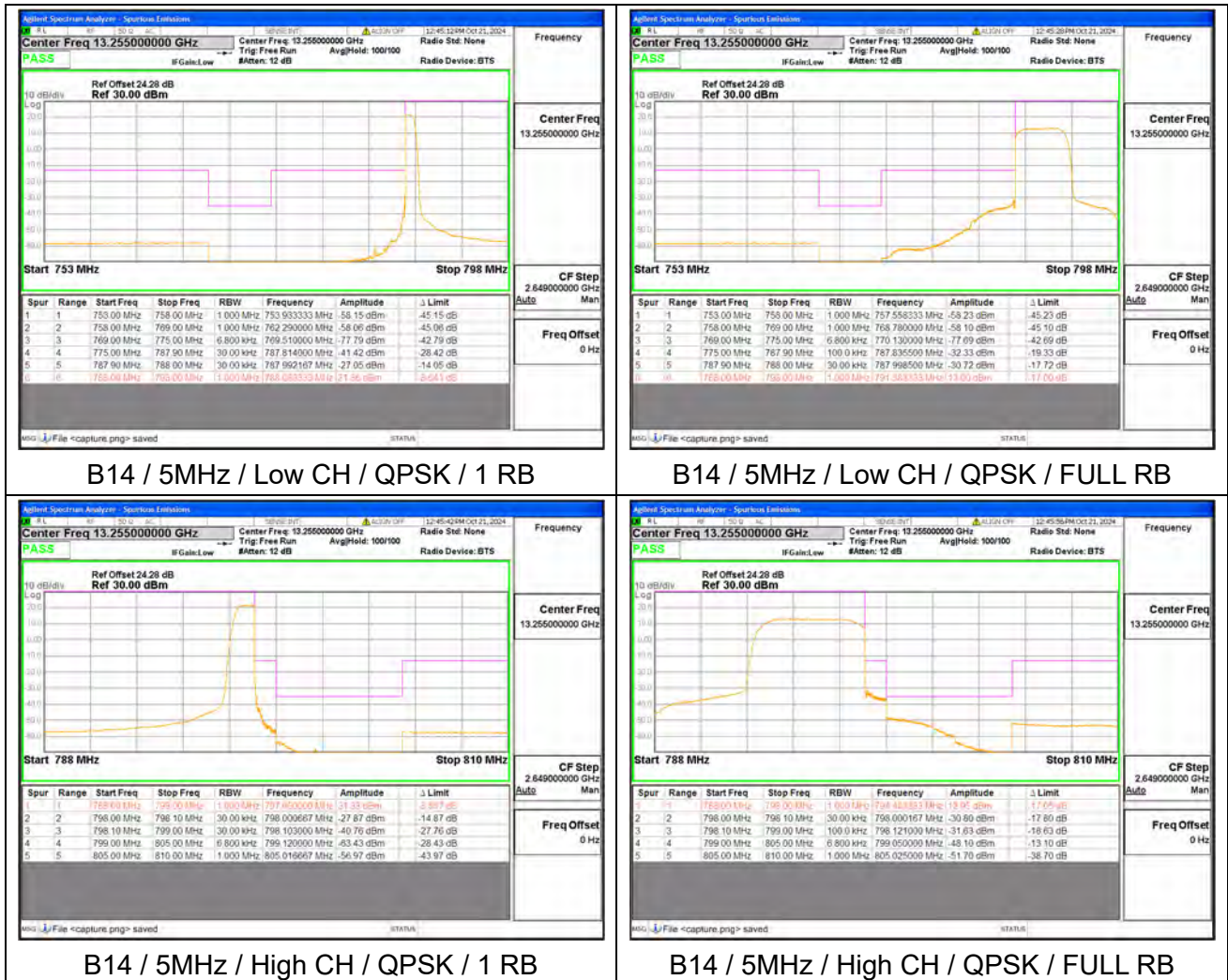
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

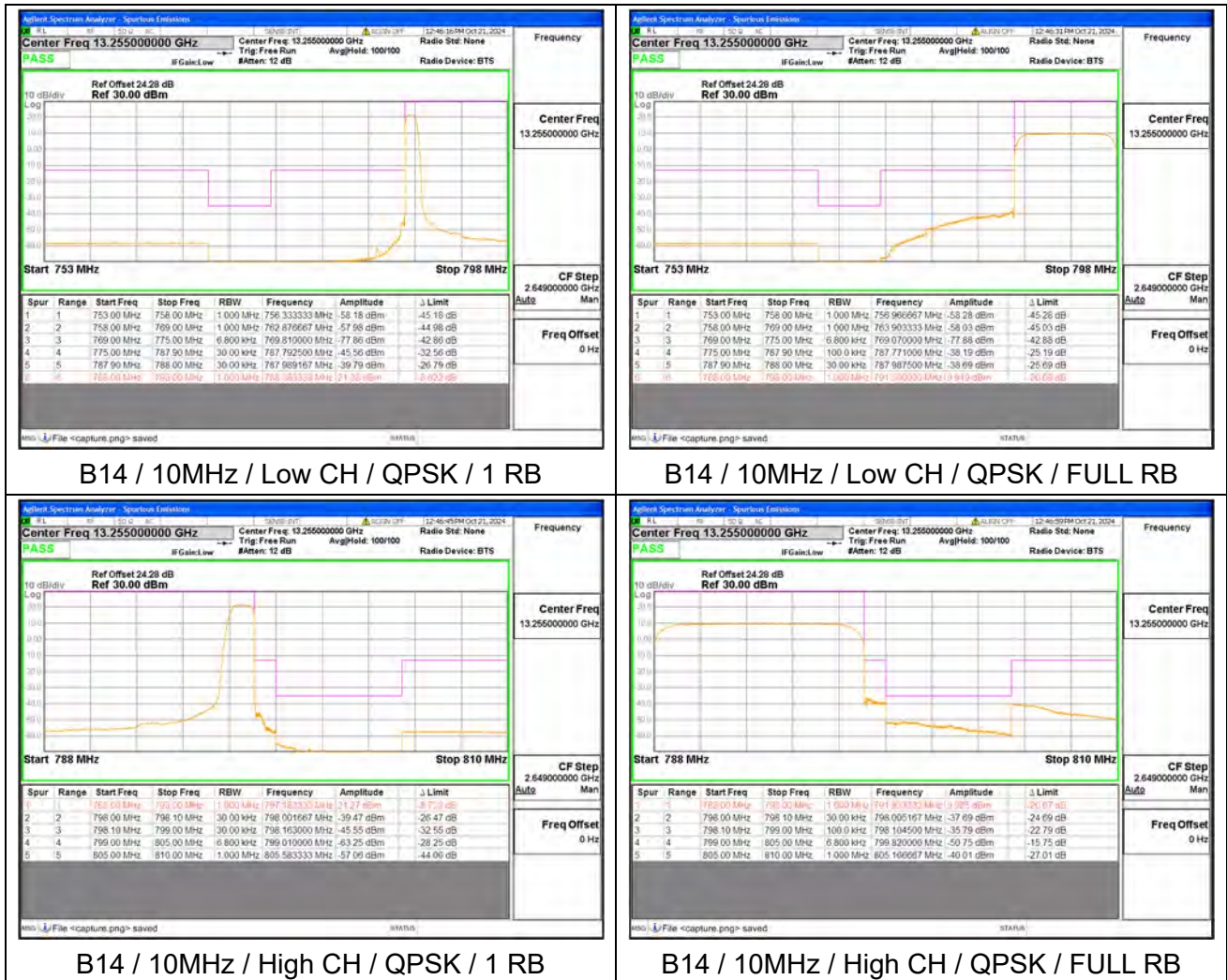
2.5.3. Test procedure

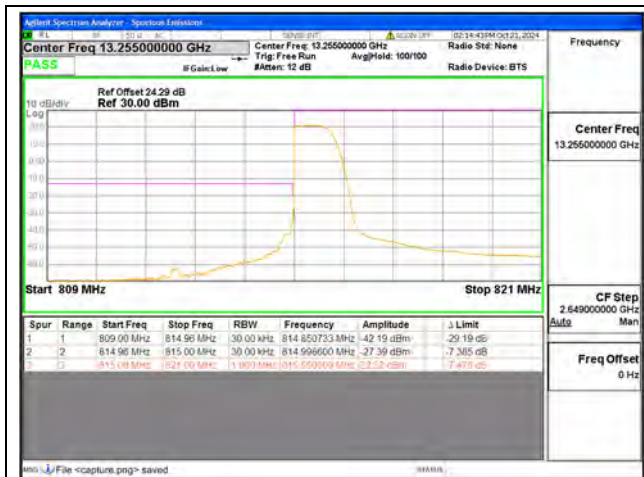
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.



2.5.4. Test Result







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



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



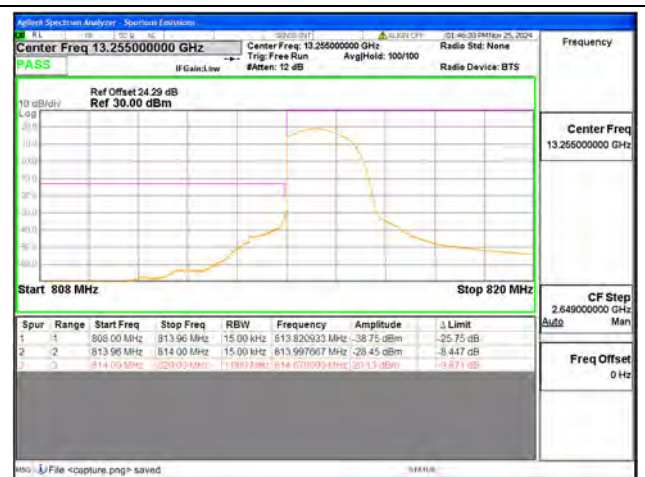
B18 / 5MHz / High CH / QPSK / 1 RB



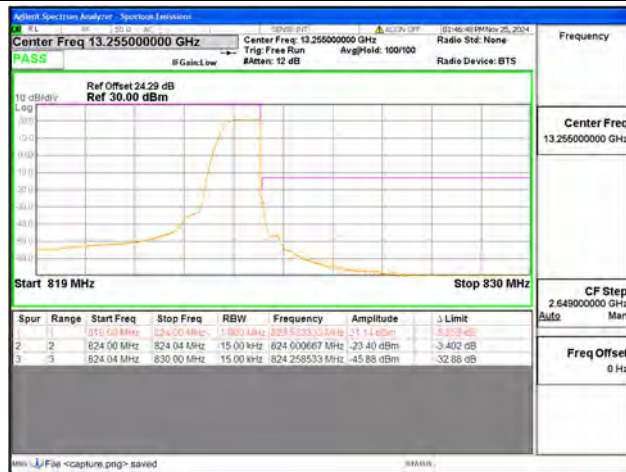
B18 / 5MHz / High CH / QPSK / FULL RB



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



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



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



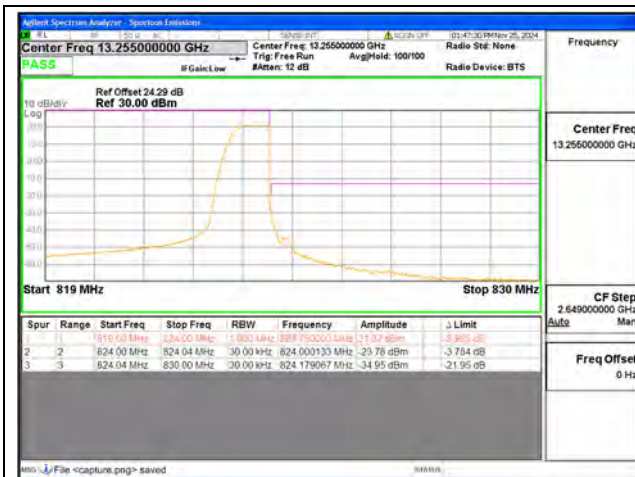
B26 / 1.4MHz / High CH / QPSK / FULL RB



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



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



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



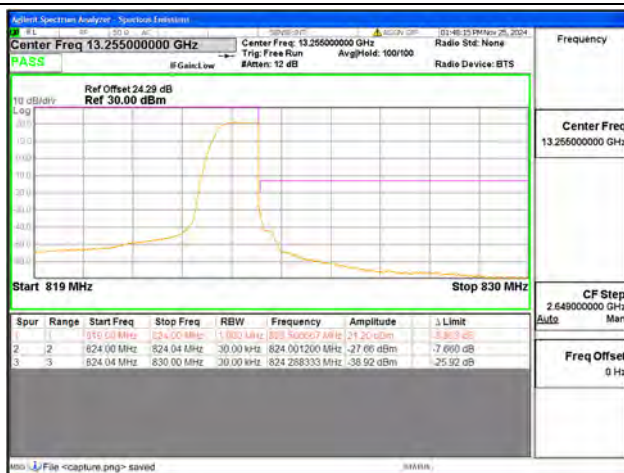
B26 / 3MHz / High CH / QPSK / FULL RB



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



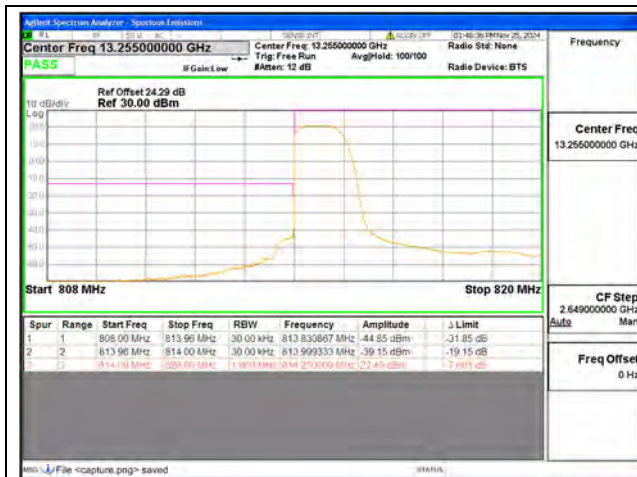
B26 / 5MHz / Low CH / QPSK / FULL RB



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



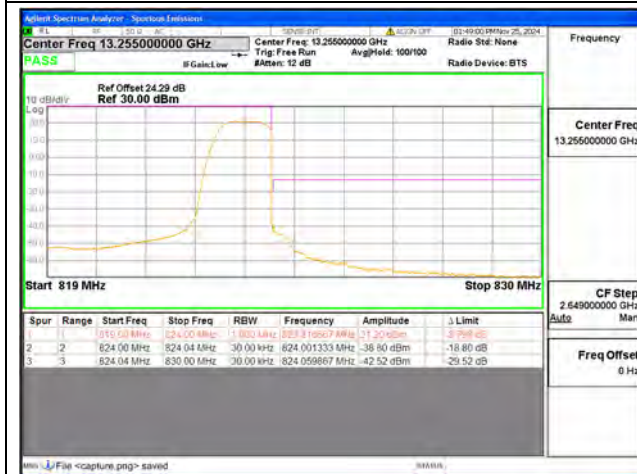
B26 / 5MHz / High CH / QPSK / FULL RB



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

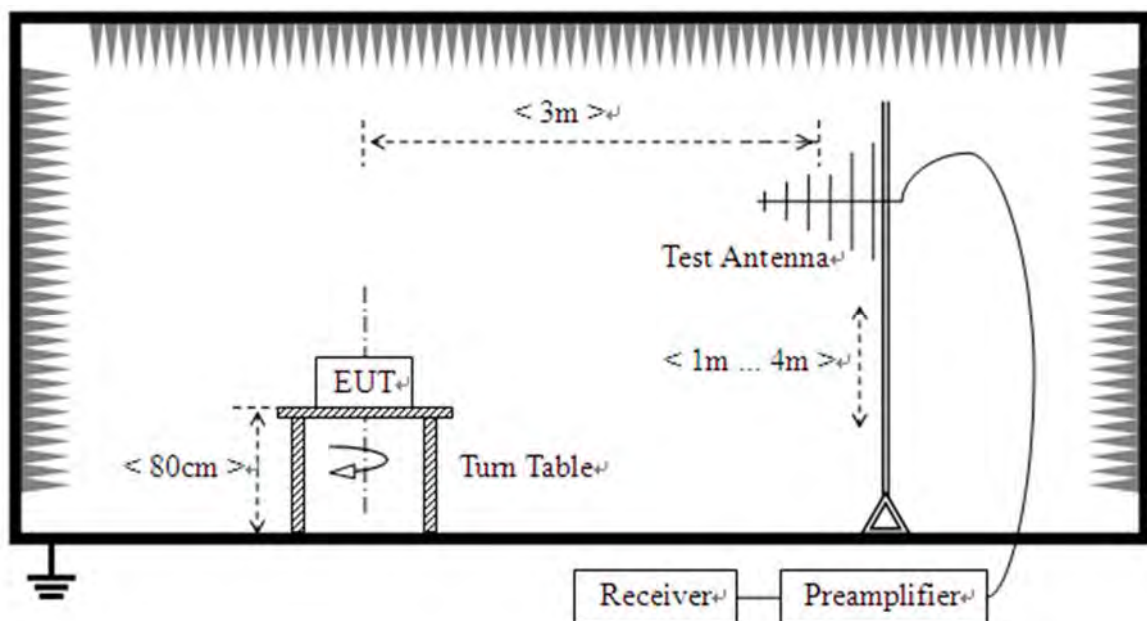
2.6.1. Requirement

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.

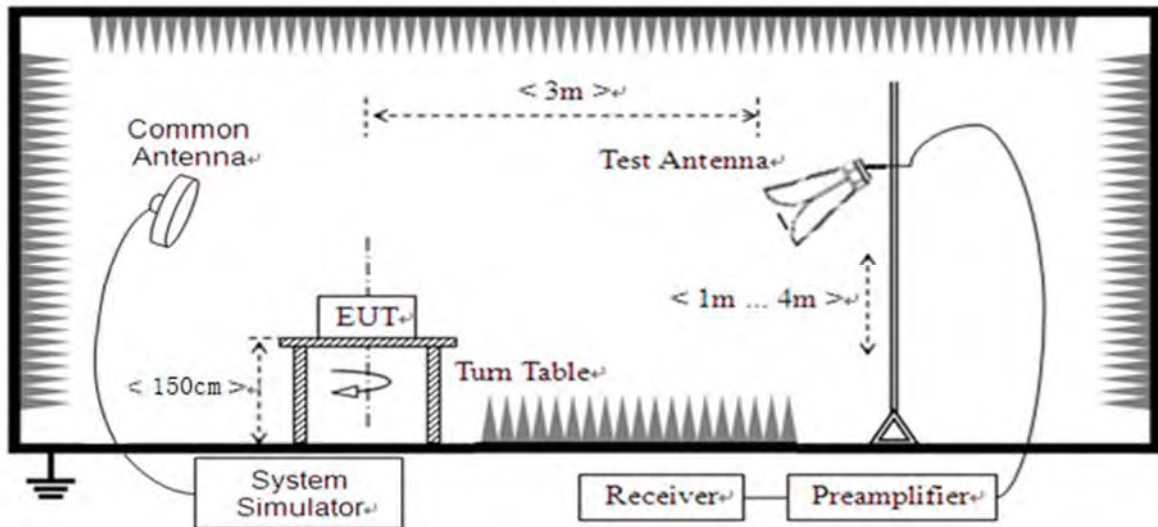
Additional requirement for Band 14

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.

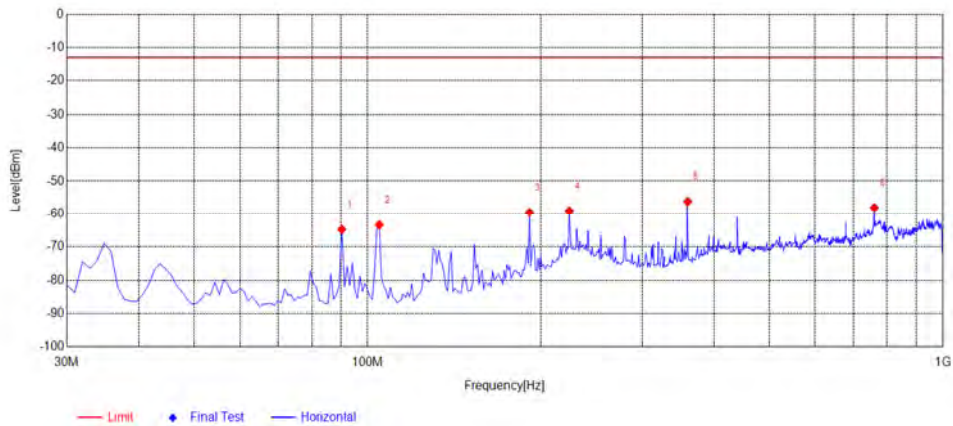
Note2: All Spurious Emission tests were performed in X, Y, Z axis direction. And only the worst axis test condition was recorded in this test report.

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.

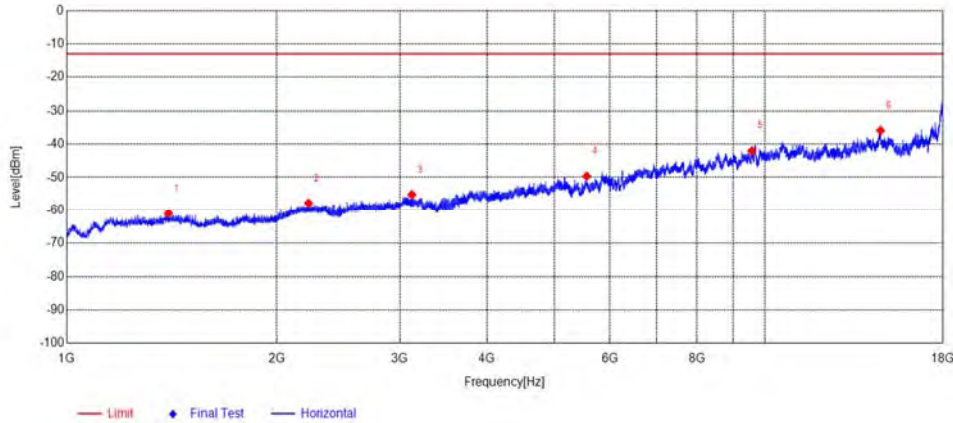
Note 4: N/A means the frequency is the basic frequency or the base station frequency, they are no need to verdict.

Note 5: 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, 5MHz BW, Low Channel, QPSK

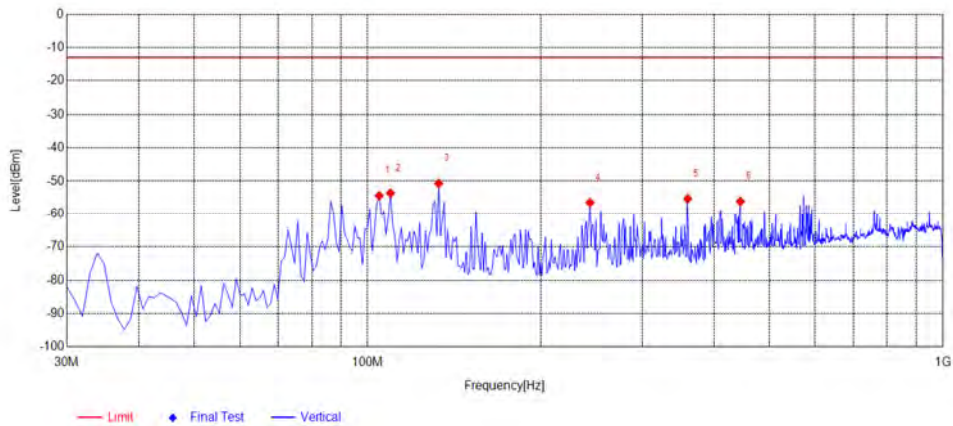


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	90.2002	-64.77	-13.00	Horizontal	PASS
2	104.7648	-63.36	-13.00	Horizontal	PASS
3	191.1812	-59.53	-13.00	Horizontal	PASS
4	224.1942	-59.08	-13.00	Horizontal	PASS
5	360.1301	-56.20	-13.00	Horizontal	N/A
6	760.1702	-58.07	-13.00	Horizontal	N/A

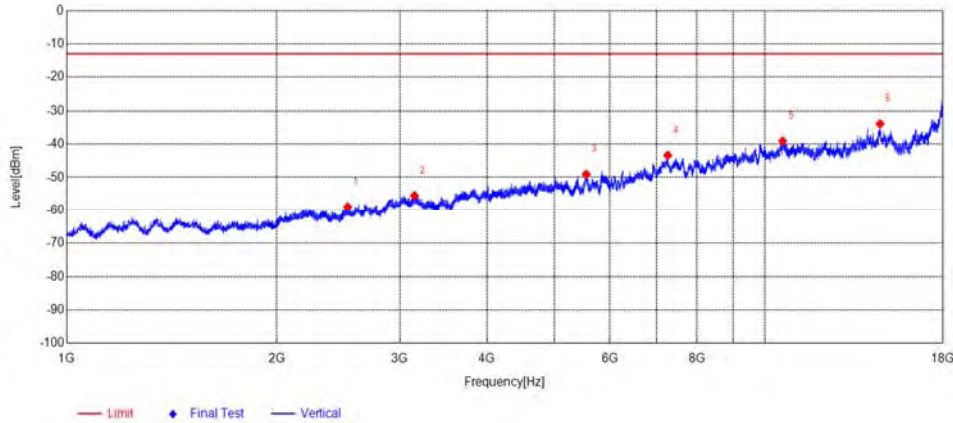


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	1399.0399	-61.01	-13.00	Horizontal	PASS
2	2220.6221	-57.82	-13.00	Horizontal	PASS
3	3122.7123	-55.22	-13.00	Horizontal	PASS
4	5558.9559	-49.62	-13.00	Horizontal	PASS
5	9588.3588	-41.98	-13.00	Horizontal	PASS
6	14656.4656	-35.88	-13.00	Horizontal	PASS

LTE Band 14, 5MHz BW, Low Channel, QPSK

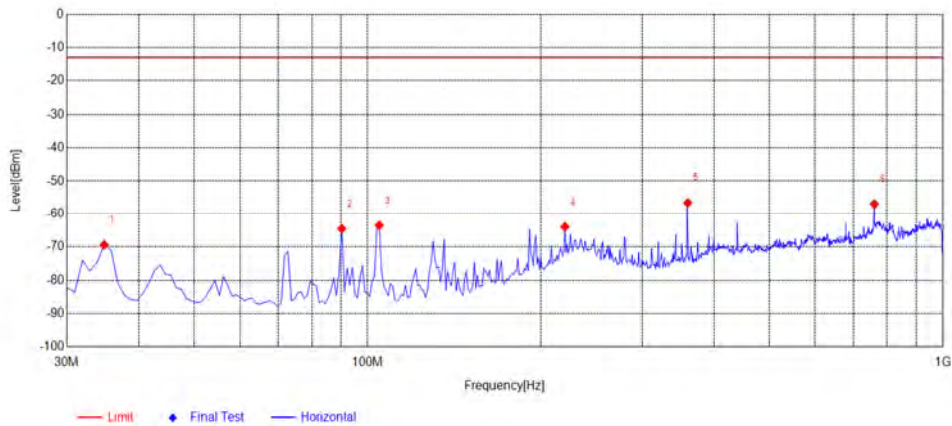


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	104.7648	-54.38	-13.00	Vertical	PASS
2	109.6196	-53.61	-13.00	Vertical	PASS
3	132.9229	-50.72	-13.00	Vertical	PASS
4	243.6136	-56.49	-13.00	Vertical	PASS
5	360.1301	-55.28	-13.00	Vertical	PASS
6	444.6046	-56.15	-13.00	Vertical	PASS

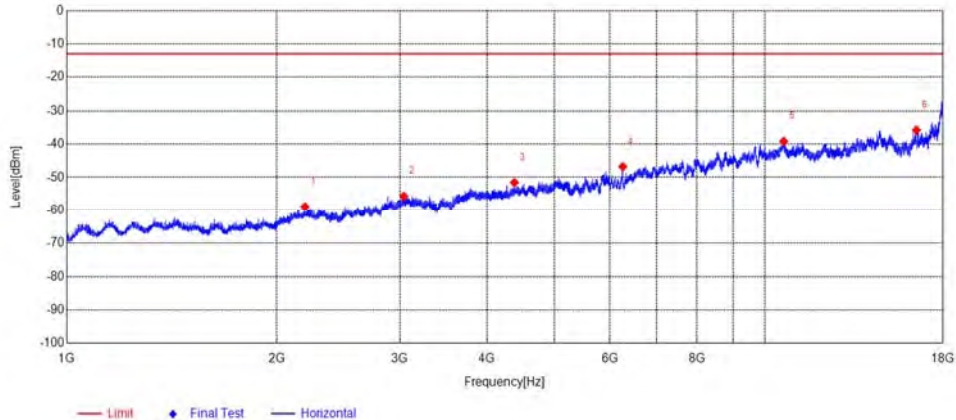


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2526.1526	-58.92	-13.00	Vertical	PASS
2	3150.2150	-55.51	-13.00	Vertical	PASS
3	5549.4549	-49.05	-13.00	Vertical	PASS
4	7263.7264	-43.34	-13.00	Vertical	PASS
5	10612.0612	-39.06	-13.00	Vertical	PASS
6	14634.8635	-33.91	-13.00	Vertical	PASS

LTE Band 14, 5MHz BW, Mid Channel, QPSK

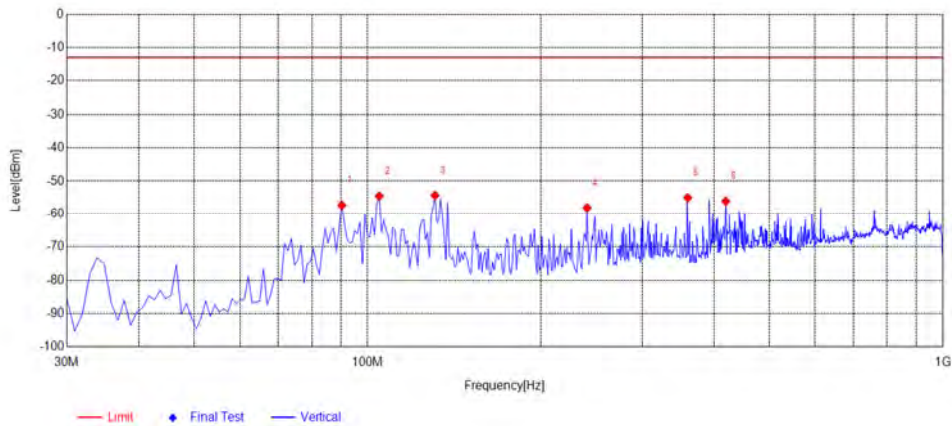


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	34.8549	-69.39	-13.00	Horizontal	PASS
2	90.2002	-64.56	-13.00	Horizontal	PASS
3	104.7648	-63.51	-13.00	Horizontal	PASS
4	220.3103	-64.00	-13.00	Horizontal	PASS
5	360.1301	-56.58	-13.00	Horizontal	PASS
6	760.1702	-56.94	-13.00	Horizontal	PASS

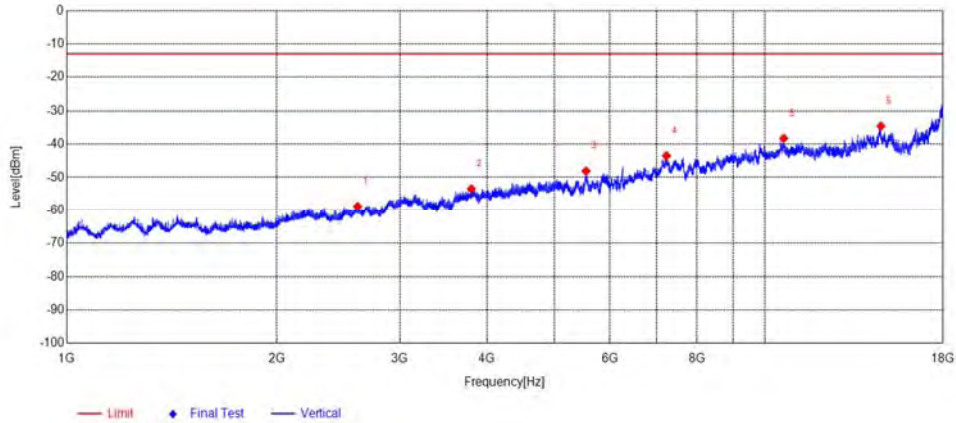


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2194.6195	-58.91	-13.00	Horizontal	PASS
2	3040.7041	-55.69	-13.00	Horizontal	PASS
3	4379.8380	-51.53	-13.00	Horizontal	PASS
4	6262.8263	-46.77	-13.00	Horizontal	PASS
5	10648.0648	-39.14	-13.00	Horizontal	PASS
6	16499.8500	-35.76	-13.00	Horizontal	PASS

LTE Band 14, 5MHz BW, Mid Channel, QPSK

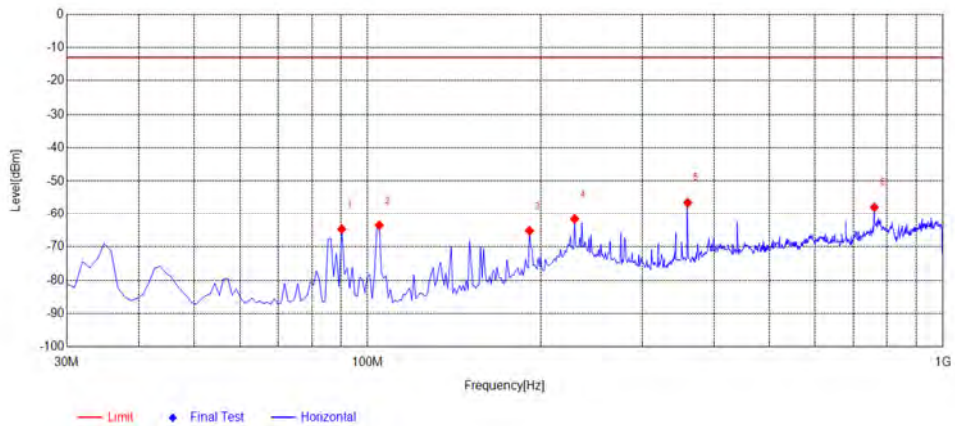


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	90.2002	-57.29	-13.00	Vertical	PASS
2	104.7648	-54.55	-13.00	Vertical	PASS
3	130.9810	-54.30	-13.00	Vertical	PASS
4	240.7007	-58.09	-13.00	Vertical	PASS
5	360.1301	-55.03	-13.00	Vertical	PASS
6	419.3594	-56.06	-13.00	Vertical	PASS

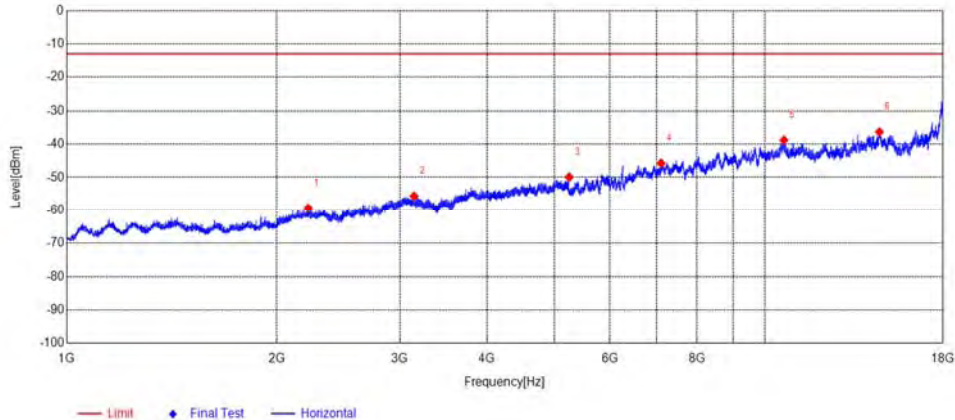


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2610.6611	-58.80	-13.00	Vertical	PASS
2	3798.7799	-53.44	-13.00	Vertical	PASS
3	5547.4547	-48.09	-13.00	Vertical	PASS
4	7232.5233	-43.51	-13.00	Vertical	PASS
5	10649.2649	-38.23	-13.00	Vertical	PASS
6	14675.6676	-34.57	-13.00	Vertical	PASS

LTE Band 14, 5MHz BW, High Channel, QPSK

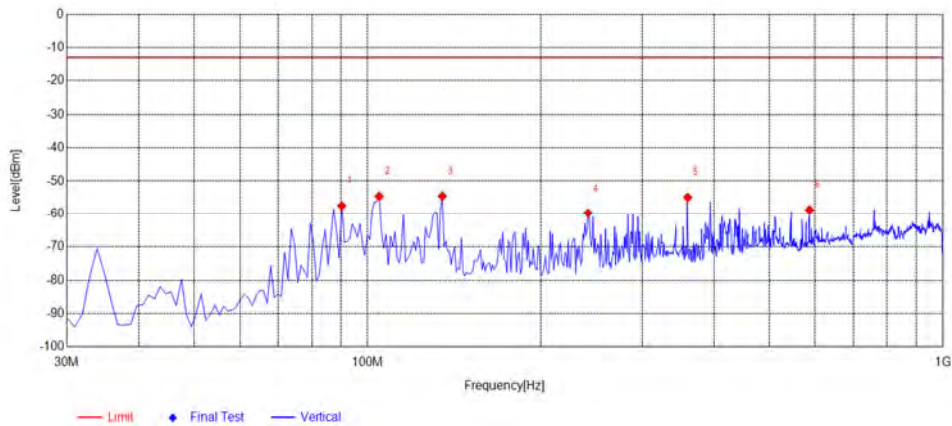


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	90.2002	-64.68	-13.00	Horizontal	PASS
2	104.7648	-63.55	-13.00	Horizontal	PASS
3	191.1812	-65.20	-13.00	Horizontal	PASS
4	229.0490	-61.65	-13.00	Horizontal	PASS
5	360.1301	-56.49	-13.00	Horizontal	PASS
6	760.1702	-57.90	-13.00	Horizontal	PASS

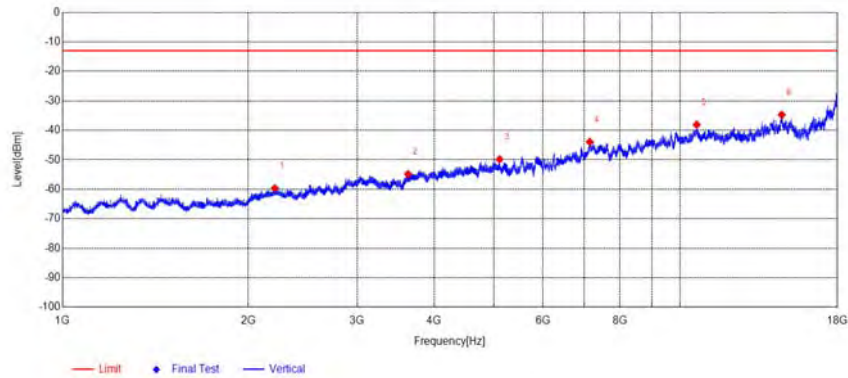


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2218.1218	-59.35	-13.00	Horizontal	PASS
2	3145.2145	-55.66	-13.00	Horizontal	PASS
3	5246.9247	-49.90	-13.00	Horizontal	PASS
4	7105.3105	-45.72	-13.00	Horizontal	PASS
5	10654.0654	-38.78	-13.00	Horizontal	PASS
6	14602.4602	-36.33	-13.00	Horizontal	PASS

LTE Band 14, 5MHz BW, High Channel, QPSK

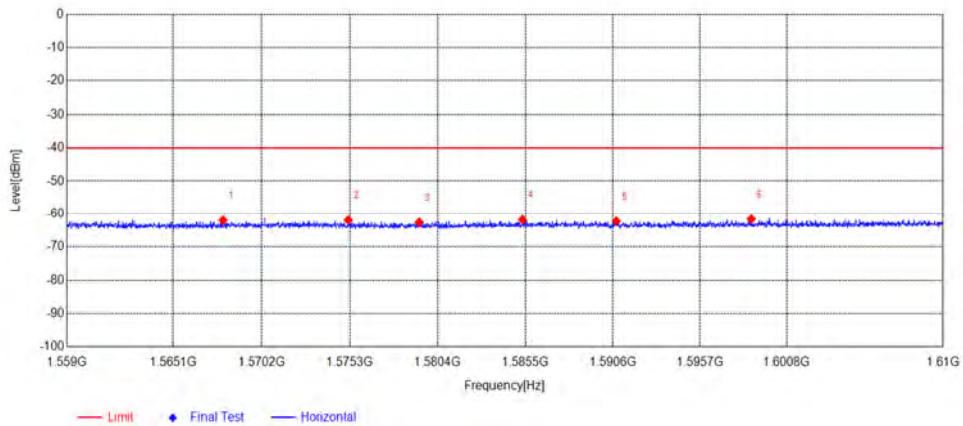


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	90.2002	-57.47	-13.00	Vertical	PASS
2	104.7648	-54.60	-13.00	Vertical	PASS
3	134.8649	-54.52	-13.00	Vertical	PASS
4	241.6717	-59.77	-13.00	Vertical	PASS
5	360.1301	-54.94	-13.00	Vertical	PASS
6	586.3664	-58.75	-13.00	Vertical	PASS

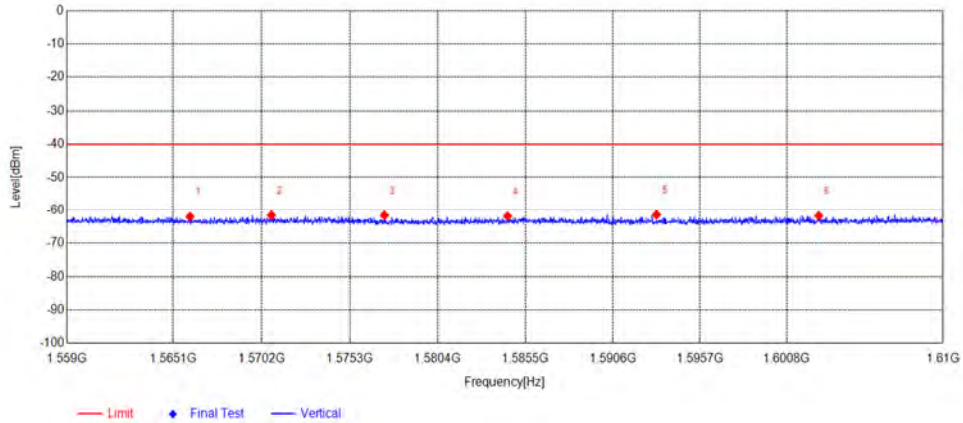


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2207.6208	-59.64	-13.00	Vertical	PASS
2	3627.7628	-54.84	-13.00	Vertical	PASS
3	5104.4104	-49.85	-13.00	Vertical	PASS
4	7147.3147	-43.94	-13.00	Vertical	PASS
5	10651.6652	-38.11	-13.00	Vertical	PASS
6	14627.6628	-34.74	-13.00	Vertical	PASS

LTE Band 14,1559MHz-1610MHz, 5MHz BW, Mid Channel, QPSK

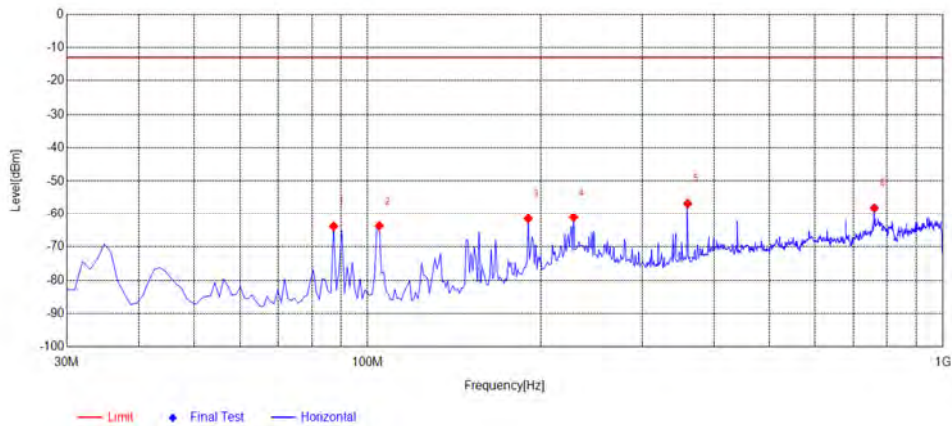


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	1567.9790	-62.06	-40.00	Horizontal	PASS
2	1575.2064	-62.00	-40.00	Horizontal	PASS
3	1579.3218	-62.62	-40.00	Horizontal	PASS
4	1585.3248	-61.82	-40.00	Horizontal	PASS
5	1590.8006	-62.30	-40.00	Horizontal	PASS
6	1598.7082	-61.65	-40.00	Horizontal	PASS

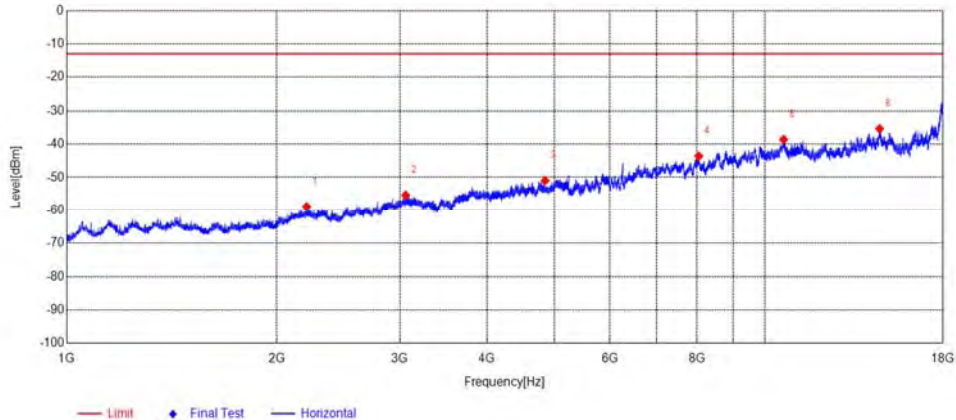


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	1566.0744	-62.03	-40.00	Vertical	PASS
2	1570.7679	-61.60	-40.00	Vertical	PASS
3	1577.2981	-61.61	-40.00	Vertical	PASS
4	1584.4575	-61.88	-40.00	Vertical	PASS
5	1593.1474	-61.44	-40.00	Vertical	PASS
6	1602.6706	-61.78	-40.00	Vertical	PASS

LTE Band 18, 5MHz BW, Low Channel, QPSK

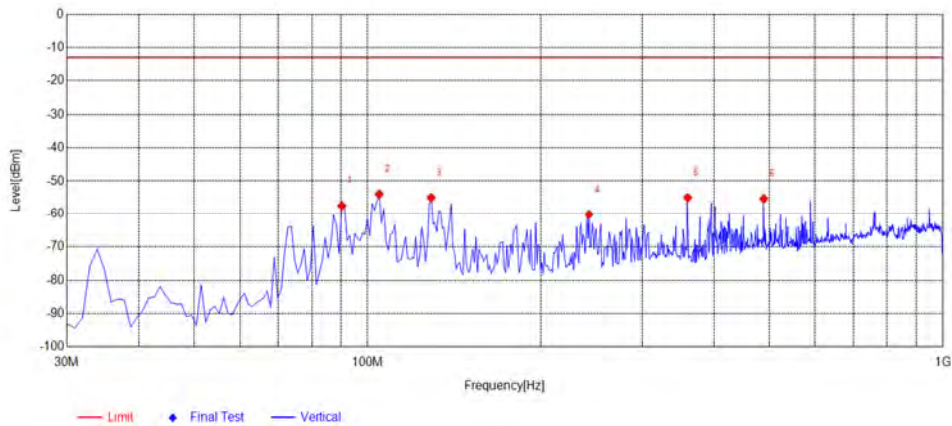


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	87.2873	-63.88	-13.00	Horizontal	PASS
2	104.7648	-63.72	-13.00	Horizontal	PASS
3	190.2102	-61.48	-13.00	Horizontal	PASS
4	228.0781	-61.13	-13.00	Horizontal	PASS
5	360.1301	-56.73	-13.00	Horizontal	PASS
6	760.1702	-58.11	-13.00	Horizontal	PASS

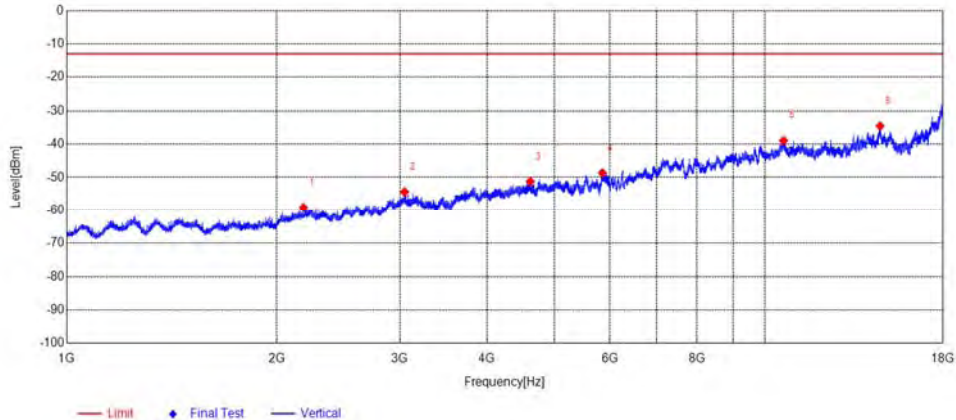


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2206.6207	-58.88	-13.00	Horizontal	PASS
2	3059.2059	-55.40	-13.00	Horizontal	PASS
3	4846.8847	-50.96	-13.00	Horizontal	PASS
4	8042.6043	-43.56	-13.00	Horizontal	PASS
5	10645.6646	-38.61	-13.00	Horizontal	PASS
6	14609.6610	-35.37	-13.00	Horizontal	PASS

LTE Band 18, 5MHz BW, Low Channel, QPSK

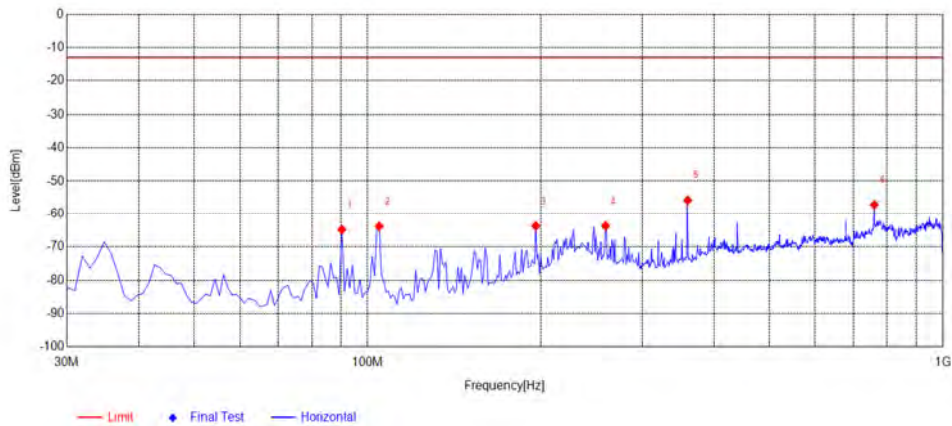


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	90.2002	-57.47	-13.00	Vertical	PASS
2	104.7648	-54.00	-13.00	Vertical	PASS
3	129.0390	-55.01	-13.00	Vertical	PASS
4	242.6426	-60.19	-13.00	Vertical	PASS
5	360.1301	-55.00	-13.00	Vertical	PASS
6	488.2983	-55.29	-13.00	Vertical	PASS

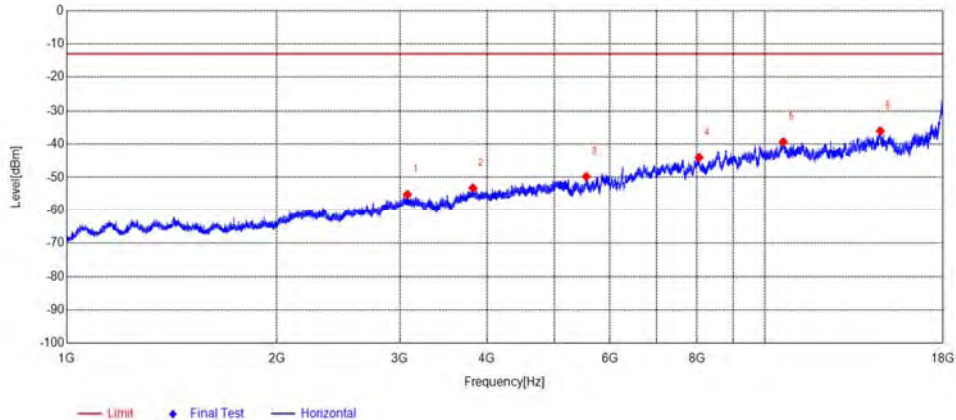


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2183.6184	-59.15	-13.00	Vertical	PASS
2	3047.7048	-54.39	-13.00	Vertical	PASS
3	4615.3615	-51.22	-13.00	Vertical	PASS
4	5853.9854	-48.65	-13.00	Vertical	PASS
5	10643.2643	-38.92	-13.00	Vertical	PASS
6	14634.8635	-34.53	-13.00	Vertical	PASS

LTE Band 18, 5MHz BW, Mid Channel, QPSK

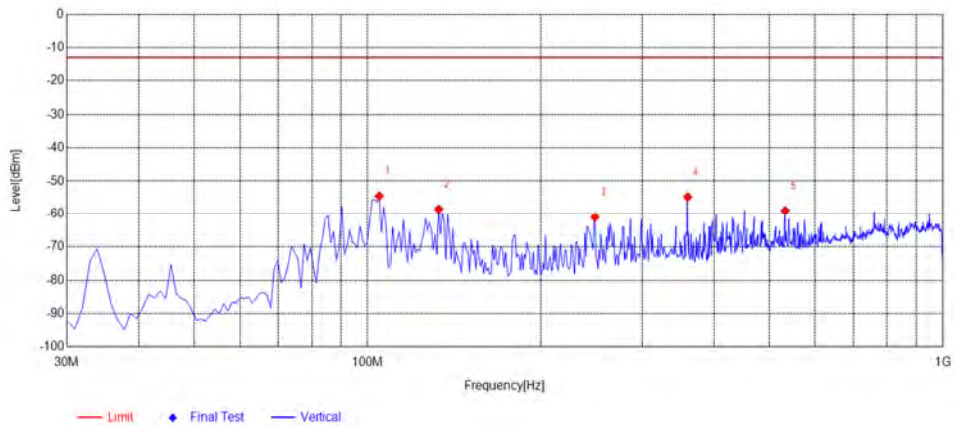


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	90.2002	-64.83	-13.00	Horizontal	PASS
2	104.7648	-63.83	-13.00	Horizontal	PASS
3	196.0360	-63.75	-13.00	Horizontal	PASS
4	259.1491	-63.73	-13.00	Horizontal	PASS
5	360.1301	-55.77	-13.00	Horizontal	PASS
6	760.1702	-57.16	-13.00	Horizontal	PASS

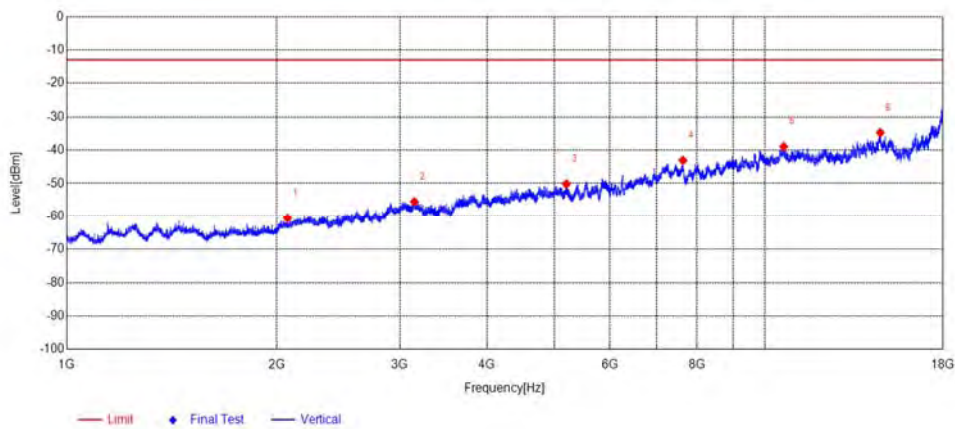


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	3075.7076	-55.16	-13.00	Horizontal	PASS
2	3819.2819	-53.19	-13.00	Horizontal	PASS
3	5551.9552	-49.72	-13.00	Horizontal	PASS
4	8053.4053	-44.00	-13.00	Horizontal	PASS
5	10632.4632	-39.29	-13.00	Horizontal	PASS
6	14644.4644	-36.05	-13.00	Horizontal	PASS

LTE Band 18, 5MHz BW, Mid Channel, QPSK

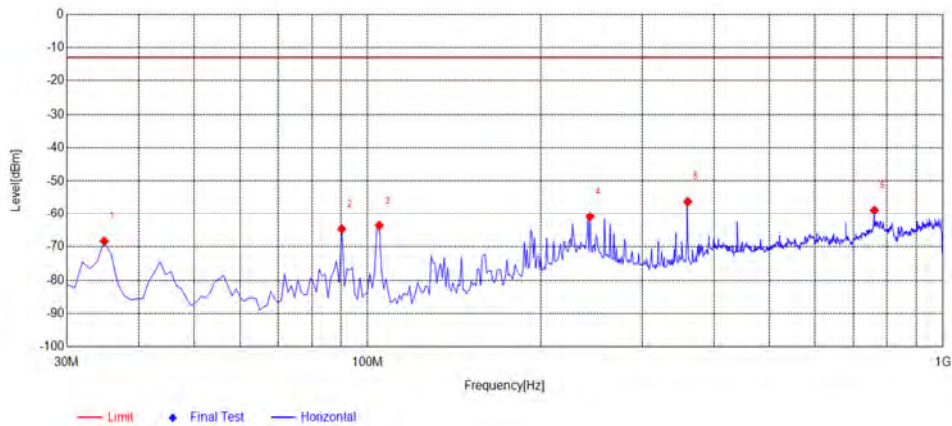


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	104.7648	-54.55	-13.00	Vertical	PASS
2	132.9229	-58.55	-13.00	Vertical	PASS
3	248.4685	-61.01	-13.00	Vertical	PASS
4	360.1301	-54.80	-13.00	Vertical	PASS
5	531.9920	-59.00	-13.00	Vertical	PASS

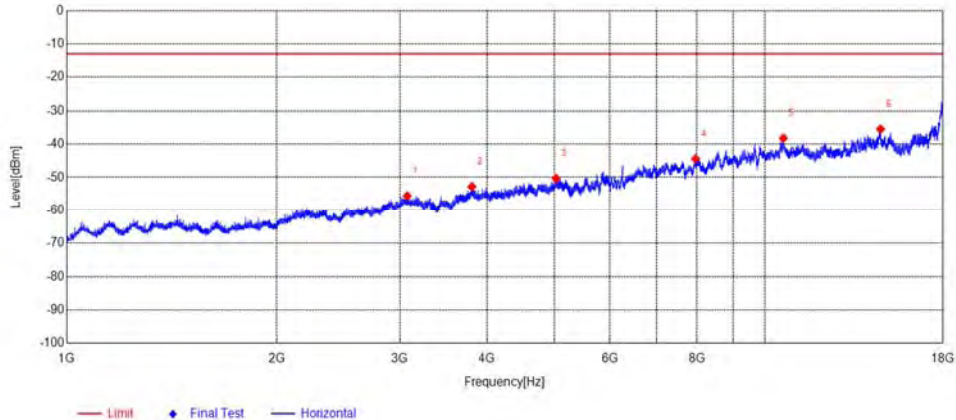


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2071.1071	-60.59	-13.00	Vertical	PASS
2	3149.2149	-55.51	-13.00	Vertical	PASS
3	5199.4199	-50.16	-13.00	Vertical	PASS
4	7635.7636	-43.05	-13.00	Vertical	PASS
5	10648.0648	-38.89	-13.00	Vertical	PASS
6	14642.0642	-34.71	-13.00	Vertical	PASS

LTE Band 18, 5MHz BW, High Channel, QPSK

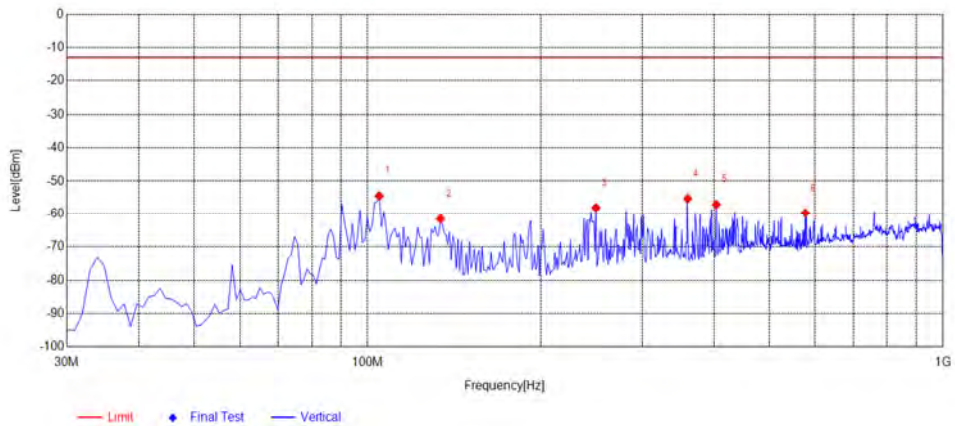


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	34.8549	-68.33	-13.00	Horizontal	PASS
2	90.2002	-64.65	-13.00	Horizontal	PASS
3	104.7648	-63.62	-13.00	Horizontal	PASS
4	243.6136	-60.86	-13.00	Horizontal	PASS
5	360.1301	-56.21	-13.00	Horizontal	PASS
6	760.1702	-58.83	-13.00	Horizontal	PASS

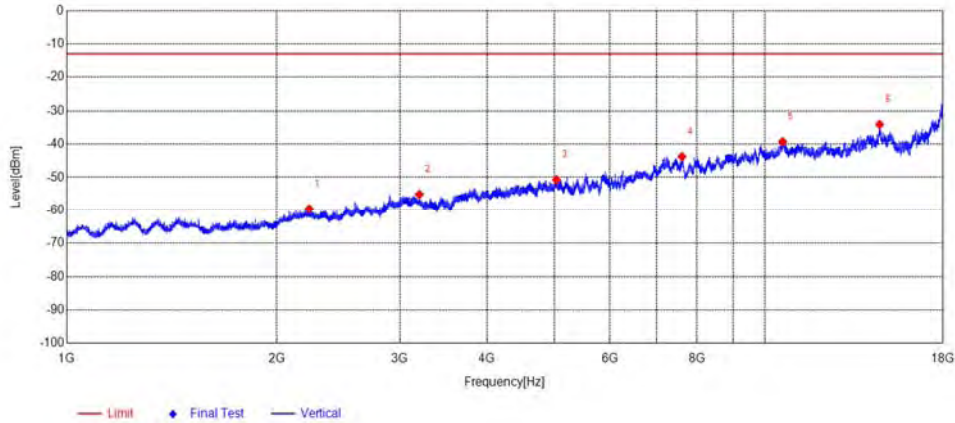


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	3074.2074	-55.62	-13.00	Horizontal	PASS
2	3806.7807	-52.80	-13.00	Horizontal	PASS
3	5025.9026	-50.32	-13.00	Horizontal	PASS
4	7962.1962	-44.39	-13.00	Horizontal	PASS
5	10637.2637	-38.16	-13.00	Horizontal	PASS
6	14657.6658	-35.47	-13.00	Horizontal	PASS

LTE Band 18, 5MHz BW, High Channel, QPSK

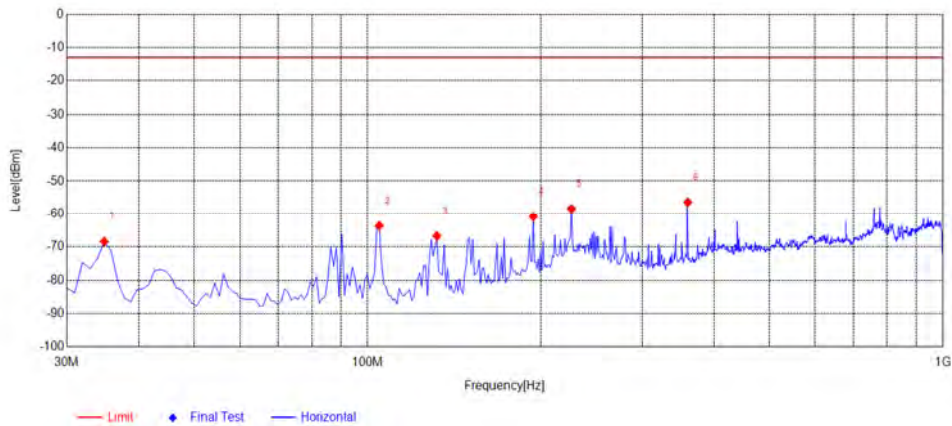


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	104.7648	-54.50	-13.00	Vertical	PASS
2	133.8939	-61.57	-13.00	Vertical	PASS
3	249.4394	-58.08	-13.00	Vertical	PASS
4	360.1301	-55.25	-13.00	Vertical	PASS
5	403.8238	-57.10	-13.00	Vertical	PASS
6	576.6567	-59.76	-13.00	Vertical	PASS

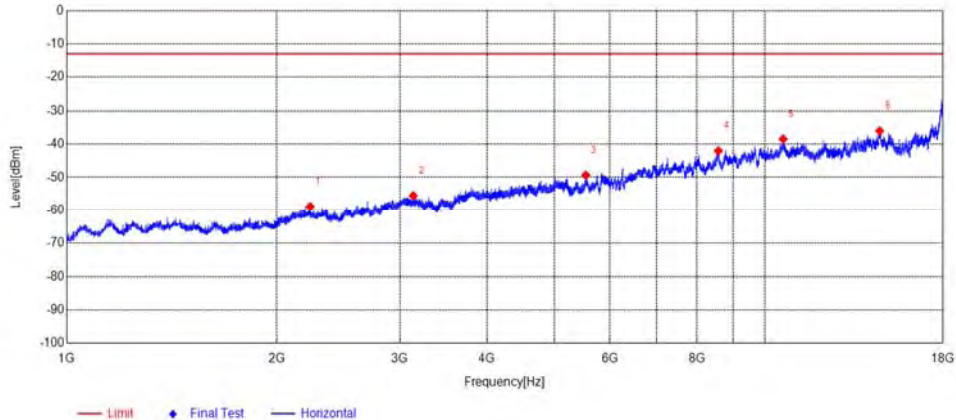


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2225.1225	-59.57	-13.00	Vertical	PASS
2	3200.2200	-55.15	-13.00	Vertical	PASS
3	5031.4031	-50.72	-13.00	Vertical	PASS
4	7612.9613	-43.73	-13.00	Vertical	PASS
5	10610.8611	-39.23	-13.00	Vertical	PASS
6	14612.0612	-34.07	-13.00	Vertical	PASS

LTE Band 26, 5MHz BW, Low Channel, QPSK

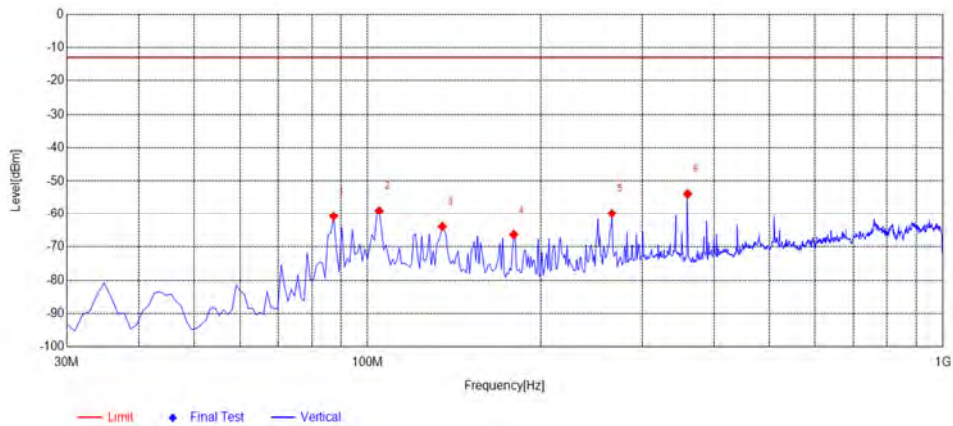


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	34.8549	-68.41	-13.00	Horizontal	PASS
2	104.7648	-63.69	-13.00	Horizontal	PASS
3	131.9520	-66.79	-13.00	Horizontal	PASS
4	194.0941	-60.86	-13.00	Horizontal	PASS
5	226.1361	-58.42	-13.00	Horizontal	PASS
6	360.1301	-56.40	-13.00	Horizontal	PASS

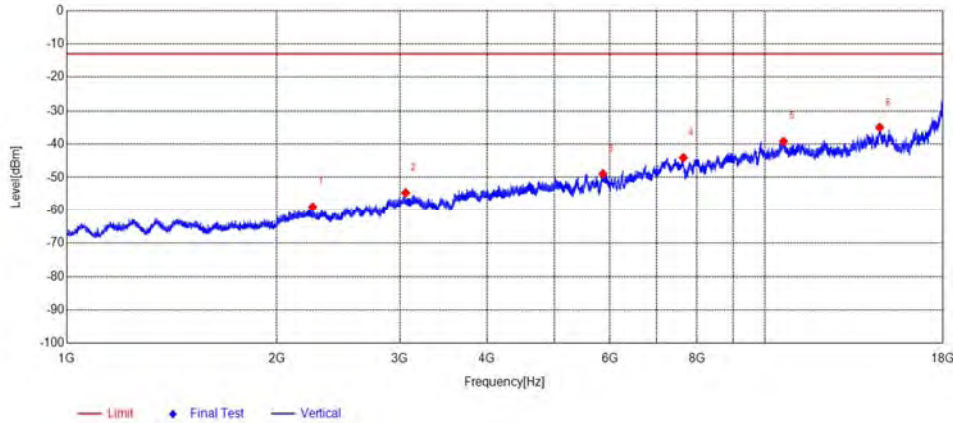


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2232.1232	-58.85	-13.00	Horizontal	PASS
2	3136.7137	-55.51	-13.00	Horizontal	PASS
3	5542.4542	-49.33	-13.00	Horizontal	PASS
4	8583.8584	-41.99	-13.00	Horizontal	PASS
5	10628.8629	-38.49	-13.00	Horizontal	PASS
6	14614.4614	-36.02	-13.00	Horizontal	PASS

LTE Band 26, 5MHz BW, Low Channel, QPSK

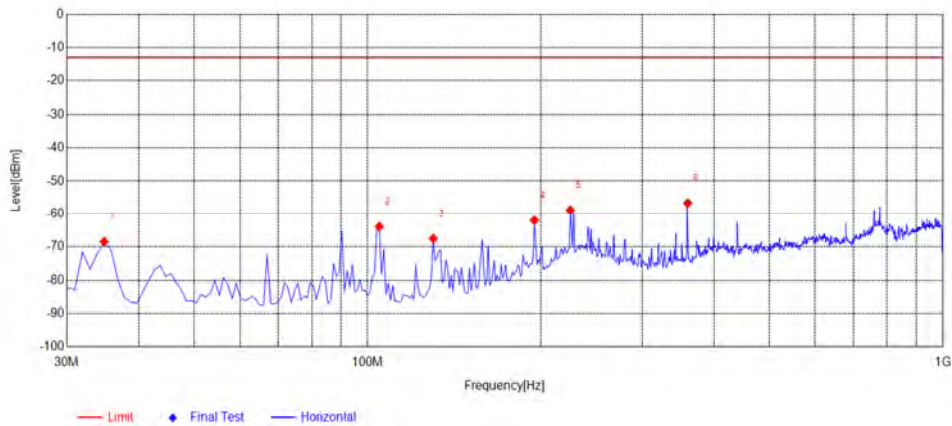


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	87.2873	-60.71	-13.00	Vertical	PASS
2	104.7648	-59.01	-13.00	Vertical	PASS
3	134.8649	-63.90	-13.00	Vertical	PASS
4	179.5295	-66.31	-13.00	Vertical	PASS
5	265.9459	-59.90	-13.00	Vertical	PASS
6	360.1301	-53.86	-13.00	Vertical	PASS

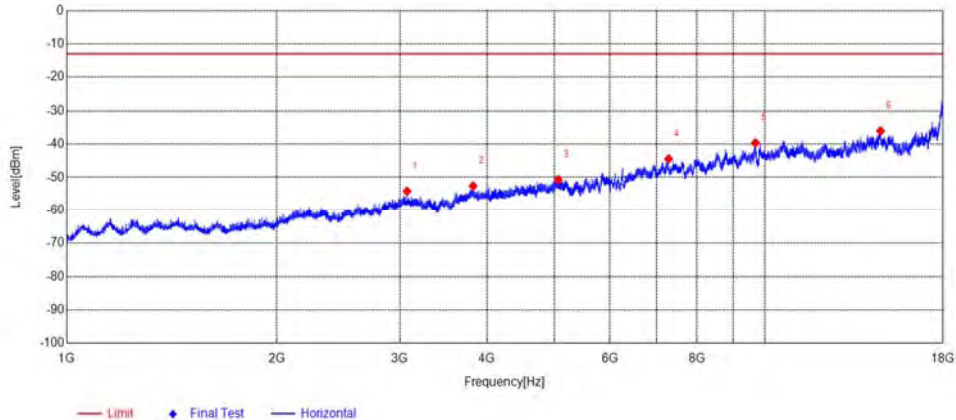


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2250.6251	-58.98	-13.00	Vertical	PASS
2	3058.2058	-54.64	-13.00	Vertical	PASS
3	5862.9863	-48.90	-13.00	Vertical	PASS
4	7646.5647	-44.08	-13.00	Vertical	PASS
5	10639.6640	-39.17	-13.00	Vertical	PASS
6	14613.2613	-34.93	-13.00	Vertical	PASS

LTE Band 26, 5MHz BW, Mid Channel, QPSK

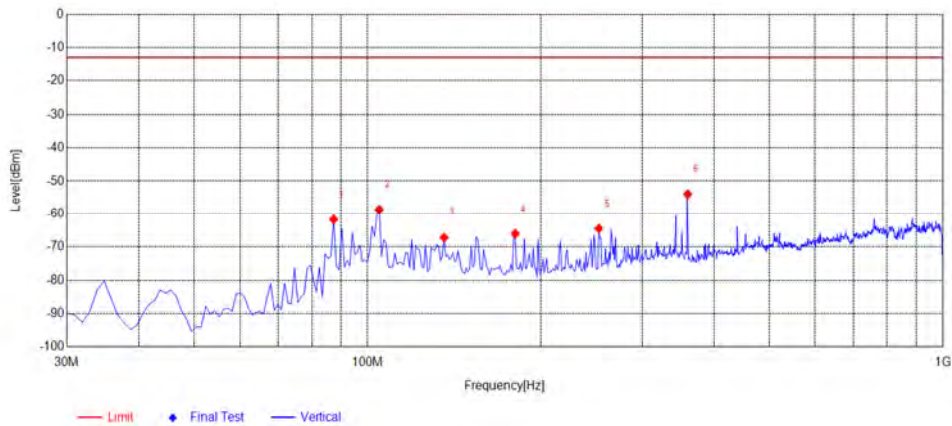


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	34.8549	-68.44	-13.00	Horizontal	PASS
2	104.7648	-63.90	-13.00	Horizontal	PASS
3	130.0100	-67.52	-13.00	Horizontal	PASS
4	195.0651	-62.02	-13.00	Horizontal	PASS
5	225.1652	-58.85	-13.00	Horizontal	PASS
6	360.1301	-56.66	-13.00	Horizontal	PASS

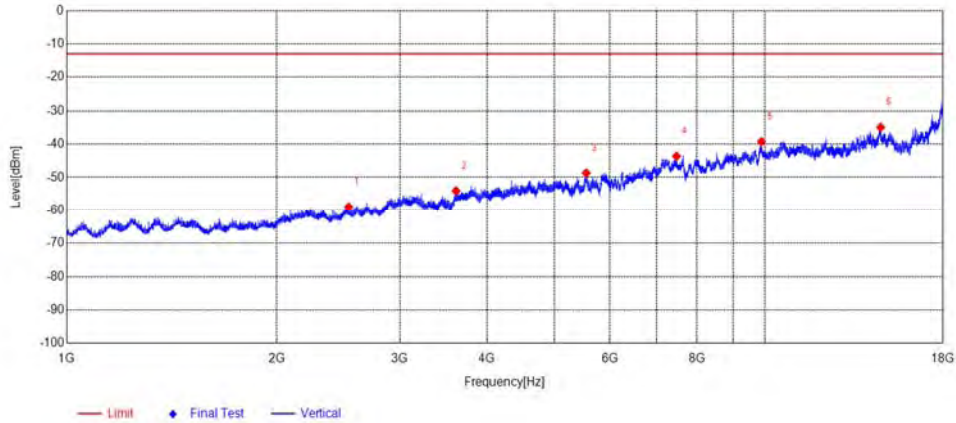


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	3073.2073	-54.13	-13.00	Horizontal	PASS
2	3821.7822	-52.58	-13.00	Horizontal	PASS
3	5060.9061	-50.68	-13.00	Horizontal	PASS
4	7281.7282	-44.41	-13.00	Horizontal	PASS
5	9701.1701	-39.60	-13.00	Horizontal	PASS
6	14657.6658	-36.03	-13.00	Horizontal	PASS

LTE Band 26, 5MHz BW, Mid Channel, QPSK

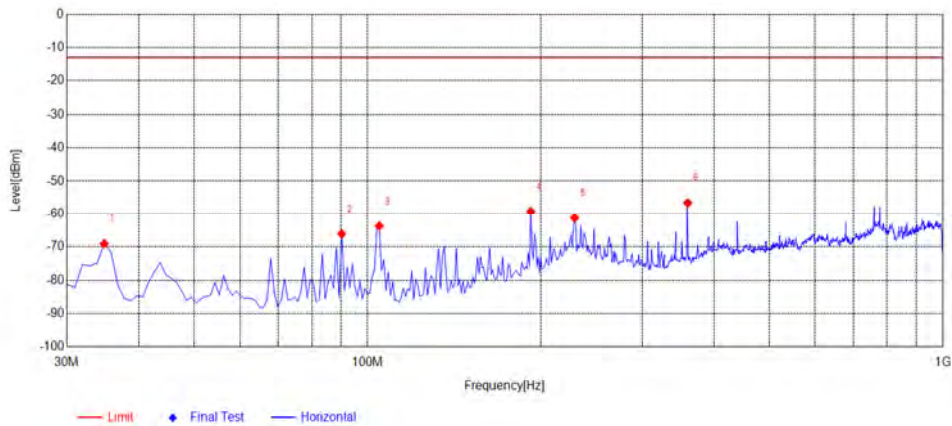


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	87.2873	-61.75	-13.00	Vertical	PASS
2	104.7648	-58.66	-13.00	Vertical	PASS
3	135.8358	-67.20	-13.00	Vertical	PASS
4	180.5005	-66.08	-13.00	Vertical	PASS
5	252.3524	-64.51	-13.00	Vertical	PASS
6	360.1301	-54.02	-13.00	Vertical	PASS

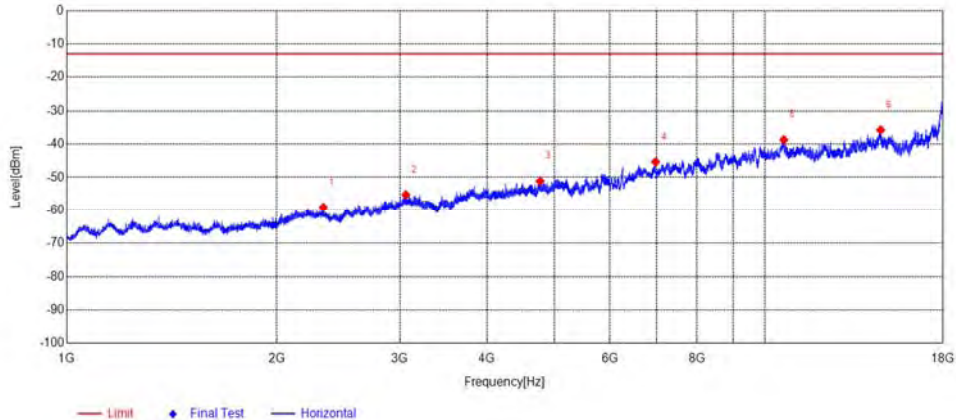


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2534.6535	-58.98	-13.00	Vertical	PASS
2	3612.7613	-54.05	-13.00	Vertical	PASS
3	5550.9551	-48.69	-13.00	Vertical	PASS
4	7476.1476	-43.62	-13.00	Vertical	PASS
5	9896.7897	-39.21	-13.00	Vertical	PASS
6	14661.2661	-34.89	-13.00	Vertical	PASS

LTE Band 26, 5MHz BW, High Channel, QPSK

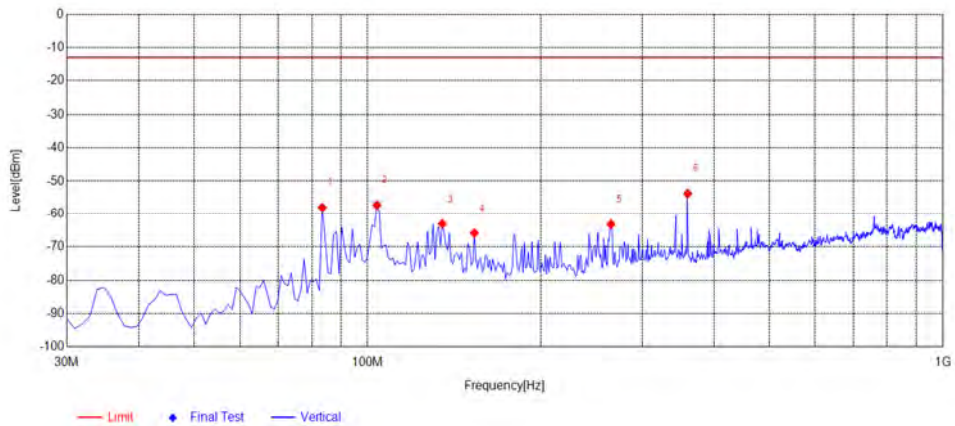


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	34.8549	-69.07	-13.00	Horizontal	PASS
2	90.2002	-66.15	-13.00	Horizontal	PASS
3	104.7648	-63.76	-13.00	Horizontal	PASS
4	192.1522	-59.23	-13.00	Horizontal	PASS
5	229.0490	-61.26	-13.00	Horizontal	PASS
6	360.1301	-56.60	-13.00	Horizontal	PASS

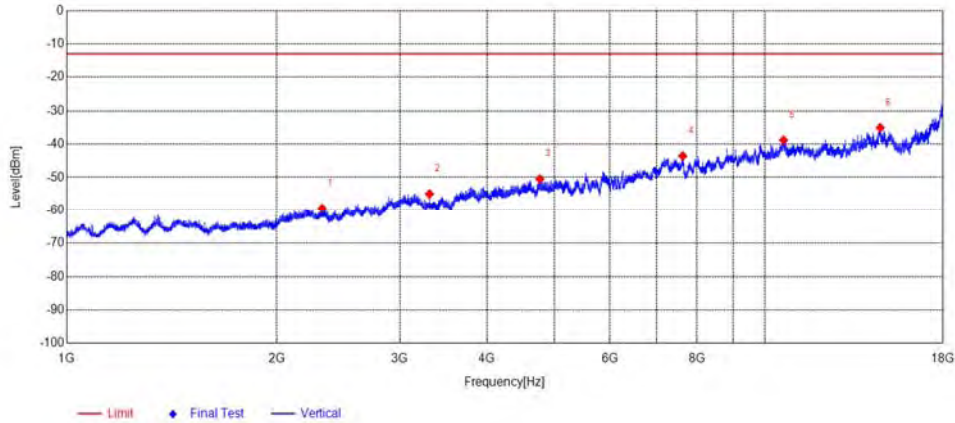


No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2332.1332	-59.12	-13.00	Horizontal	PASS
2	3061.2061	-55.27	-13.00	Horizontal	PASS
3	4767.3767	-51.12	-13.00	Horizontal	PASS
4	6975.6976	-45.32	-13.00	Horizontal	PASS
5	10652.8653	-38.68	-13.00	Horizontal	PASS
6	14661.2661	-35.74	-13.00	Horizontal	PASS

LTE Band 26, 5MHz BW, High Channel, QPSK



No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	83.4034	-58.01	-13.00	Vertical	PASS
2	103.7938	-57.27	-13.00	Vertical	PASS
3	134.8649	-63.07	-13.00	Vertical	PASS
4	153.3133	-65.90	-13.00	Vertical	PASS
5	264.9750	-63.16	-13.00	Vertical	PASS
6	360.1301	-53.74	-13.00	Vertical	PASS



No.	Fre.(MHz)	Level (dBm)	Limit (dBm)	Antenna	Verdict
1	2322.1322	-59.37	-13.00	Vertical	PASS
2	3309.7310	-54.98	-13.00	Vertical	PASS
3	4762.3762	-50.47	-13.00	Vertical	PASS
4	7633.3633	-43.52	-13.00	Vertical	PASS
5	10640.8641	-38.77	-13.00	Vertical	PASS
6	14639.6640	-35.02	-13.00	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 C63.10-2013 and CISPR Publication 22; the FCC designation number is CN1192, the test firm registration number is 226174.



REPORT No.: SZ24090048W07

4. Test Equipment Utilized

4.1 Conducted Test Equipment

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
EXA Signal Analyzer	MY51511149	N9020A	Agilent	2024.06.19	2025.06.18
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
MOE-2023E Test System	MORLAB	V7.99
TS+ -[JS36-RSE]	Tonscend	V3.0.0.0

**4.3 Radiated Test Equipment**

Equipment	Serial No.	Type	Manufacturer	Cal. Date	Due Date
System Simulator	152038	CMW500	R&S	2024.09.11	2025.09.10
Receiver	MY56060145	N9020A	Agilent	2024.05.30	2025.05.29
Test Antenna - Bi-Log	9163-519	VULB 9163	Schwarzbeck	2024.06.22	2025.06.21
Test Antenna - Horn	9120D-963	BBHA 9120D	Schwarzbeck	2024.06.22	2025.06.21
RF Coaxial Cable (DC-18GHz)	MRE001	PE330	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE002	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-18GHz)	MRE003	CLU18	Pasternack	2024.05.30	2025.05.29
RF Coaxial Cable (DC-40GHz)	22290045	QA360-40-K K-0.5	Qualwave	2024.07.03	2025.07.02
RF Coaxial Cable (DC-40GHz)	22290046	QA360-40-K KF-2	Qualwave	2024.07.03	2025.07.02
Preamplifier (10MHz-6GHz)	46732	S10M100L38 02	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (2GHz-18GHz)	61171/61172	S020180L32 03	LUCIX CORP.	2024.05.30	2025.05.29
Preamplifier (18GHz-40GHz)	DS77209	DCLNA0118- 40C-S	Decentest	2024.05.30	2025.05.29
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	2022.05.10	2025.05.09

END OF REPORT
