



REPORT No.: SZ25090307W06

TEST REPORT

APPLICANT : Fibocom Wireless Inc.

PRODUCT NAME : SC162-NA

MODEL NAME : SC162-NA

BRAND NAME : Fibocom

FCC ID : ZMOSC162NA

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

RECEIPT DATE : 2025-09-16

TEST DATE : 2025-09-26 to 2025-10-28

ISSUE DATE : 2025-11-11



Edited by:

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Change History		
Version	Date	Reason for change
1.0	2025-11-11	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:	SC162-NA	
Sample No.:	2#, 4#	
Hardware Version:	V1.1	
Software Version:	SC162-V6.012.001	
Modulation Type:	QPSK, 16QAM, 64QAM	
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 Antenna	
Antenna Gain:	LTE Band 14	1.17dBi
	LTE Band 26	1.17dBi

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



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

LTE Band 14		Maximum E.R.P./E.I.R.P. (W)			Emission Designator (99%OBW)		
BW(MHz)		QPSK	16QAM	64QAM	QPSK	16QAM	64QAM
10		0.195	0.156	0.125	8M99G7D	8M96W7D	8M97W7D
5		0.187	0.157	0.126	4M50G7D	4M50W7D	4M51W7D
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		0.135	0.128	0.087	8M97G7D	8M95W7D	8M95W7D
5		0.161	0.124	0.090	4M49G7D	4M49W7D	4M50W7D
3		0.161	0.129	0.095	2M70G7D	2M71W7D	2M71W7D
1.4		0.160	0.126	0.100	1M10G7D	1M10W7D	1M10W7D



1.4. Test Standards and Results

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

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

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

Section	Description	Test Date	Test Engineer	Result	Remark
2.1046, 90.635(b)	Transmitter Conducted Output Power and E.R.P./E.I.R.P.	Sep. 30, 2025	Yu Xiaoming Liu Huiyan	PASS ^{Note3}	/
2.1049, 90.209	Occupied Bandwidth	Oct. 10, 2025	Liu Huiyan	PASS	/
2.1055, 90.213	Frequency Stability	Oct. 28, 2025	Liu Huiyan	PASS	/
2.1051, 90.691	Conducted Spurious Emissions	Oct. 10, 2025	Liu Huiyan	PASS	/
2.1051, 90.691	Band Edge	Oct. 10, 2025	Liu Huiyan	PASS	/
2.1053, 90.691	Radiated Spurious Emissions	Sep. 30, 2025 to Oct. 28, 025	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

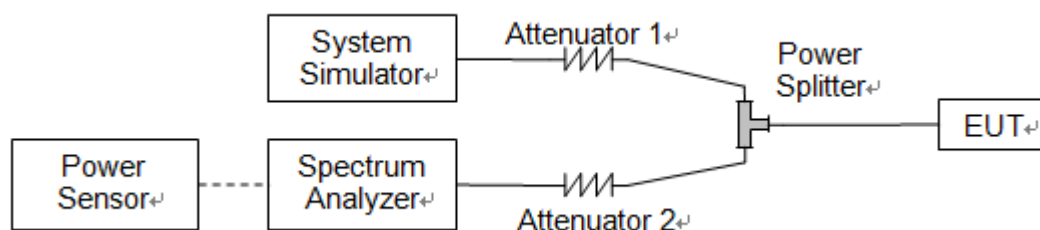
2.1. Transmitter Conducted Output Power and E.R.P./E.I.R.P.

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	/	23.89	/
10	QPSK	1	25	/	23.68	/
10	QPSK	1	49	/	23.70	/
10	QPSK	25	0	/	22.87	/
10	QPSK	25	12	/	22.81	/
10	QPSK	25	25	/	22.65	/
10	QPSK	50	0	/	22.80	/
10	16QAM	1	0	/	22.92	/
10	16QAM	1	25	/	22.87	/
10	16QAM	1	49	/	22.88	/
10	16QAM	25	0	/	21.71	/
10	16QAM	25	12	/	21.69	/
10	16QAM	25	25	/	21.61	/
10	16QAM	50	0	/	21.70	/
10	64QAM	1	0	/	21.94	/
10	64QAM	1	25	/	21.82	/
10	64QAM	1	49	/	21.69	/
10	64QAM	25	0	/	20.70	/
10	64QAM	25	12	/	20.92	/
10	64QAM	25	25	/	20.76	/
10	64QAM	50	0	/	20.66	/



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	23.70	23.71	23.67
5	QPSK	1	12	23.70	23.68	23.60
5	QPSK	1	24	23.65	23.68	23.66
5	QPSK	12	0	22.85	22.85	22.78
5	QPSK	12	7	22.85	22.85	22.73
5	QPSK	12	13	22.72	22.73	22.67
5	QPSK	25	0	22.83	22.82	22.68
5	16QAM	1	0	22.88	22.94	22.85
5	16QAM	1	12	22.88	22.88	22.82
5	16QAM	1	24	22.81	22.85	22.79
5	16QAM	12	0	21.67	21.69	21.58
5	16QAM	12	7	21.61	21.63	21.55
5	16QAM	12	13	21.55	21.56	21.55
5	16QAM	25	0	21.75	21.76	21.65
5	64QAM	1	0	21.90	21.87	21.99
5	64QAM	1	12	21.75	21.93	21.84
5	64QAM	1	24	21.87	21.95	21.74
5	64QAM	12	0	20.68	20.73	20.74
5	64QAM	12	7	20.91	21.01	20.93
5	64QAM	12	13	20.91	21.00	20.86
5	64QAM	25	0	20.67	20.71	20.53



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	/	22.26	/
10	QPSK	1	25	/	22.15	/
10	QPSK	1	49	/	22.29	/
10	QPSK	25	0	/	22.01	/
10	QPSK	25	12	/	22.00	/
10	QPSK	25	25	/	21.70	/
10	QPSK	50	0	/	21.88	/
10	16QAM	1	0	/	22.05	/
10	16QAM	1	25	/	21.97	/
10	16QAM	1	49	/	21.50	/
10	16QAM	25	0	/	20.81	/
10	16QAM	25	12	/	20.78	/
10	16QAM	25	25	/	20.48	/
10	16QAM	50	0	/	20.64	/
10	64QAM	1	0	/	20.33	/
10	64QAM	1	25	/	20.37	/
10	64QAM	1	49	/	20.31	/
10	64QAM	25	0	/	20.02	/
10	64QAM	25	12	/	19.84	/
10	64QAM	25	25	/	19.50	/
10	64QAM	50	0	/	19.76	/



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	23.05	22.31	22.19
5	QPSK	1	12	22.27	22.17	22.48
5	QPSK	1	24	22.37	22.30	22.39
5	QPSK	12	0	22.08	22.01	21.74
5	QPSK	12	7	22.05	21.92	21.71
5	QPSK	12	13	21.95	21.73	21.61
5	QPSK	25	0	22.04	21.89	21.73
5	16QAM	1	0	21.88	21.86	21.82
5	16QAM	1	12	21.82	21.90	21.56
5	16QAM	1	24	21.78	21.51	21.36
5	16QAM	12	0	21.05	21.03	20.47
5	16QAM	12	7	21.04	20.58	20.42
5	16QAM	12	13	20.95	20.55	20.53
5	16QAM	25	0	20.87	20.60	20.60
5	64QAM	1	0	20.45	20.40	20.34
5	64QAM	1	12	20.37	20.50	20.35
5	64QAM	1	24	20.36	20.36	20.22
5	64QAM	12	0	19.96	19.93	19.59
5	64QAM	12	7	19.91	19.66	19.56
5	64QAM	12	13	19.91	19.56	19.57
5	64QAM	25	0	19.89	19.70	19.77



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	22.73	22.32	22.34
3	QPSK	1	8	23.04	22.26	22.34
3	QPSK	1	14	22.83	22.01	22.30
3	QPSK	8	0	21.99	21.98	21.68
3	QPSK	8	4	22.01	21.89	21.66
3	QPSK	8	7	22.05	21.84	21.34
3	QPSK	15	0	22.04	21.88	21.63
3	16QAM	1	0	22.07	21.83	21.49
3	16QAM	1	8	21.90	21.85	21.65
3	16QAM	1	14	21.82	21.81	21.52
3	16QAM	8	0	21.04	20.89	20.58
3	16QAM	8	4	21.11	20.83	20.57
3	16QAM	8	7	21.02	20.64	20.52
3	16QAM	15	0	21.01	20.83	20.54
3	64QAM	1	0	20.36	20.27	20.27
3	64QAM	1	8	20.77	20.39	20.27
3	64QAM	1	14	20.69	20.34	20.33
3	64QAM	8	0	19.98	19.80	19.48
3	64QAM	8	4	20.04	19.85	19.49
3	64QAM	8	7	20.11	19.82	19.39
3	64QAM	15	0	19.93	19.76	19.47



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	22.82	22.25	22.49
1.4	QPSK	1	3	23.01	22.16	22.43
1.4	QPSK	1	5	22.96	22.04	22.47
1.4	QPSK	3	0	22.99	22.85	22.45
1.4	QPSK	3	1	22.97	22.87	22.39
1.4	QPSK	3	3	22.94	22.70	22.29
1.4	QPSK	6	0	21.92	21.78	21.53
1.4	16QAM	1	0	21.93	21.90	21.68
1.4	16QAM	1	3	21.76	21.91	21.72
1.4	16QAM	1	5	21.90	21.79	21.60
1.4	16QAM	3	0	21.75	21.48	21.20
1.4	16QAM	3	1	21.98	21.50	21.20
1.4	16QAM	3	3	21.98	21.36	21.31
1.4	16QAM	6	0	20.95	20.88	20.38
1.4	64QAM	1	0	20.42	20.24	20.28
1.4	64QAM	1	3	20.36	20.37	20.28
1.4	64QAM	1	5	20.32	20.28	20.23
1.4	64QAM	3	0	20.92	20.86	20.49
1.4	64QAM	3	1	20.90	20.93	20.48
1.4	64QAM	3	3	20.98	20.78	20.44
1.4	64QAM	6	0	19.54	19.57	19.17

**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	/	/	22.91	0.195	/	/
10	QPSK	1	25	/	/	22.70	0.186	/	/
10	QPSK	1	49	/	/	22.72	0.187	/	/
10	QPSK	25	0	/	/	21.89	0.155	/	/
10	QPSK	25	12	/	/	21.83	0.152	/	/
10	QPSK	25	25	/	/	21.67	0.147	/	/
10	QPSK	50	0	/	/	21.82	0.152	/	/
10	16QAM	1	0	/	/	21.94	0.156	/	/
10	16QAM	1	25	/	/	21.89	0.155	/	/
10	16QAM	1	49	/	/	21.90	0.155	/	/
10	16QAM	25	0	/	/	20.73	0.118	/	/
10	16QAM	25	12	/	/	20.71	0.118	/	/
10	16QAM	25	25	/	/	20.63	0.116	/	/
10	16QAM	50	0	/	/	20.72	0.118	/	/
10	64QAM	1	0	/	/	20.96	0.125	/	/
10	64QAM	1	25	/	/	20.84	0.121	/	/
10	64QAM	1	49	/	/	20.71	0.118	/	/
10	64QAM	25	0	/	/	19.72	0.094	/	/
10	64QAM	25	12	/	/	19.94	0.099	/	/
10	64QAM	25	25	/	/	19.78	0.095	/	/
10	64QAM	50	0	/	/	19.68	0.093	/	/



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	22.72	0.187	22.73	0.187	22.69	0.186
5	QPSK	1	12	22.72	0.187	22.70	0.186	22.62	0.183
5	QPSK	1	24	22.67	0.185	22.70	0.186	22.68	0.185
5	QPSK	12	0	21.87	0.154	21.87	0.154	21.80	0.151
5	QPSK	12	7	21.87	0.154	21.87	0.154	21.75	0.150
5	QPSK	12	13	21.74	0.149	21.75	0.150	21.69	0.148
5	QPSK	25	0	21.85	0.153	21.84	0.153	21.70	0.148
5	16QAM	1	0	21.90	0.155	21.96	0.157	21.87	0.154
5	16QAM	1	12	21.90	0.155	21.90	0.155	21.84	0.153
5	16QAM	1	24	21.83	0.152	21.87	0.154	21.81	0.152
5	16QAM	12	0	20.69	0.117	20.71	0.118	20.60	0.115
5	16QAM	12	7	20.63	0.116	20.65	0.116	20.57	0.114
5	16QAM	12	13	20.57	0.114	20.58	0.114	20.57	0.114
5	16QAM	25	0	20.77	0.119	20.78	0.120	20.67	0.117
5	64QAM	1	0	20.92	0.124	20.89	0.123	21.01	0.126
5	64QAM	1	12	20.77	0.119	20.95	0.124	20.86	0.122
5	64QAM	1	24	20.89	0.123	20.97	0.125	20.76	0.119
5	64QAM	12	0	19.70	0.093	19.75	0.094	19.76	0.095
5	64QAM	12	7	19.93	0.098	20.03	0.101	19.95	0.099
5	64QAM	12	13	19.93	0.098	20.02	0.100	19.88	0.097
5	64QAM	25	0	19.69	0.093	19.73	0.094	19.55	0.090



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	/	21.28	0.134	/
10	QPSK	1	25	/	21.17	0.131	/
10	QPSK	1	49	/	21.31	0.135	/
10	QPSK	25	0	/	21.03	0.127	/
10	QPSK	25	12	/	21.02	0.126	/
10	QPSK	25	25	/	20.72	0.118	/
10	QPSK	50	0	/	20.90	0.123	/
10	16QAM	1	0	/	21.07	0.128	/
10	16QAM	1	25	/	20.99	0.126	/
10	16QAM	1	49	/	20.52	0.113	/
10	16QAM	25	0	/	19.83	0.096	/
10	16QAM	25	12	/	19.80	0.095	/
10	16QAM	25	25	/	19.50	0.089	/
10	16QAM	50	0	/	19.66	0.092	/
10	64QAM	1	0	/	19.35	0.086	/
10	64QAM	1	25	/	19.39	0.087	/
10	64QAM	1	49	/	19.33	0.086	/
10	64QAM	25	0	/	19.04	0.080	/
10	64QAM	25	12	/	18.86	0.077	/
10	64QAM	25	25	/	18.52	0.071	/
10	64QAM	50	0	/	18.78	0.076	/



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	22.07	0.161	21.33	0.136	21.21	0.132
5	QPSK	1	12	21.29	0.135	21.19	0.132	21.50	0.141
5	QPSK	1	24	21.39	0.138	21.32	0.136	21.41	0.138
5	QPSK	12	0	21.10	0.129	21.03	0.127	20.76	0.119
5	QPSK	12	7	21.07	0.128	20.94	0.124	20.73	0.118
5	QPSK	12	13	20.97	0.125	20.75	0.119	20.63	0.116
5	QPSK	25	0	21.06	0.128	20.91	0.123	20.75	0.119
5	16QAM	1	0	20.90	0.123	20.88	0.122	20.84	0.121
5	16QAM	1	12	20.84	0.121	20.92	0.124	20.58	0.114
5	16QAM	1	24	20.80	0.120	20.53	0.113	20.38	0.109
5	16QAM	12	0	20.07	0.102	20.05	0.101	19.49	0.089
5	16QAM	12	7	20.06	0.101	19.60	0.091	19.44	0.088
5	16QAM	12	13	19.97	0.099	19.57	0.091	19.55	0.090
5	16QAM	25	0	19.89	0.097	19.62	0.092	19.62	0.092
5	64QAM	1	0	19.47	0.089	19.42	0.087	19.36	0.086
5	64QAM	1	12	19.39	0.087	19.52	0.090	19.37	0.086
5	64QAM	1	24	19.38	0.087	19.38	0.087	19.24	0.084
5	64QAM	12	0	18.98	0.079	18.95	0.079	18.61	0.073
5	64QAM	12	7	18.93	0.078	18.68	0.074	18.58	0.072
5	64QAM	12	13	18.93	0.078	18.58	0.072	18.59	0.072
5	64QAM	25	0	18.91	0.078	18.72	0.074	18.79	0.076



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	21.75	0.150	21.34	0.136	21.36	0.137
3	QPSK	1	8	22.06	0.161	21.28	0.134	21.36	0.137
3	QPSK	1	14	21.85	0.153	21.03	0.127	21.32	0.136
3	QPSK	8	0	21.01	0.126	21.00	0.126	20.70	0.117
3	QPSK	8	4	21.03	0.127	20.91	0.123	20.68	0.117
3	QPSK	8	7	21.07	0.128	20.86	0.122	20.36	0.109
3	QPSK	15	0	21.06	0.128	20.90	0.123	20.65	0.116
3	16QAM	1	0	21.09	0.129	20.85	0.122	20.51	0.112
3	16QAM	1	8	20.92	0.124	20.87	0.122	20.67	0.117
3	16QAM	1	14	20.84	0.121	20.83	0.121	20.54	0.113
3	16QAM	8	0	20.06	0.101	19.91	0.098	19.60	0.091
3	16QAM	8	4	20.13	0.103	19.85	0.097	19.59	0.091
3	16QAM	8	7	20.04	0.101	19.66	0.092	19.54	0.090
3	16QAM	15	0	20.03	0.101	19.85	0.097	19.56	0.090
3	64QAM	1	0	19.38	0.087	19.29	0.085	19.29	0.085
3	64QAM	1	8	19.79	0.095	19.41	0.087	19.29	0.085
3	64QAM	1	14	19.71	0.094	19.36	0.086	19.35	0.086
3	64QAM	8	0	19.00	0.079	18.82	0.076	18.50	0.071
3	64QAM	8	4	19.06	0.081	18.87	0.077	18.51	0.071
3	64QAM	8	7	19.13	0.082	18.84	0.077	18.41	0.069
3	64QAM	15	0	18.95	0.079	18.78	0.076	18.49	0.071



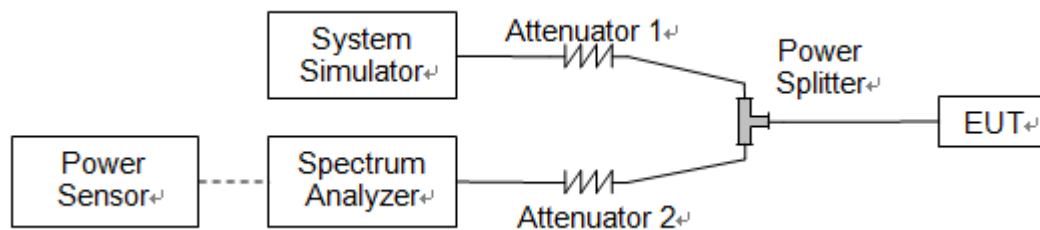
LTE Band 26				Measured E.R.P.					
BW [MHz]	Modulation	RB Size	RB Offset	Low Ch. / Freq.		Middle Ch. / Freq.		High Ch. / Freq.	
Channel				26697		26740		26783	
Frequency (MHz)				814.7		819.0		823.3	
				dBm	W	dBm	W	dBm	W
1.4	QPSK	1	0	21.84	0.153	21.27	0.134	21.51	0.142
1.4	QPSK	1	3	22.03	0.160	21.18	0.131	21.45	0.140
1.4	QPSK	1	5	21.98	0.158	21.06	0.128	21.49	0.141
1.4	QPSK	3	0	22.01	0.159	21.87	0.154	21.47	0.140
1.4	QPSK	3	1	21.99	0.158	21.89	0.155	21.41	0.138
1.4	QPSK	3	3	21.96	0.157	21.72	0.149	21.31	0.135
1.4	QPSK	6	0	20.94	0.124	20.80	0.120	20.55	0.114
1.4	16QAM	1	0	20.95	0.124	20.92	0.124	20.70	0.117
1.4	16QAM	1	3	20.78	0.120	20.93	0.124	20.74	0.119
1.4	16QAM	1	5	20.92	0.124	20.81	0.121	20.62	0.115
1.4	16QAM	3	0	20.77	0.119	20.50	0.112	20.22	0.105
1.4	16QAM	3	1	21.00	0.126	20.52	0.113	20.22	0.105
1.4	16QAM	3	3	21.00	0.126	20.38	0.109	20.33	0.108
1.4	16QAM	6	0	19.97	0.099	19.90	0.098	19.40	0.087
1.4	64QAM	1	0	19.44	0.088	19.26	0.084	19.30	0.085
1.4	64QAM	1	3	19.38	0.087	19.39	0.087	19.30	0.085
1.4	64QAM	1	5	19.34	0.086	19.30	0.085	19.25	0.084
1.4	64QAM	3	0	19.94	0.099	19.88	0.097	19.51	0.089
1.4	64QAM	3	1	19.92	0.098	19.95	0.099	19.50	0.089
1.4	64QAM	3	3	20.00	0.100	19.80	0.095	19.46	0.088
1.4	64QAM	6	0	18.56	0.072	18.59	0.072	18.19	0.066

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	4.5017	4.9699	PASS
B14	5	Low	23305	790.5	16QAM	4.4910	4.9275	PASS
B14	5	Low	23305	790.5	64QAM	4.4999	4.9069	PASS
B14	5	Mid	23330	793	QPSK	4.4903	4.9627	PASS
B14	5	Mid	23330	793	16QAM	4.4966	4.9429	PASS
B14	5	Mid	23330	793	64QAM	4.5074	4.9315	PASS
B14	5	High	23355	795.5	QPSK	4.4900	4.8973	PASS
B14	5	High	23355	795.5	16QAM	4.4893	4.9309	PASS
B14	5	High	23355	795.5	64QAM	4.4922	4.9167	PASS
B14	10	Mid	23330	793	QPSK	8.9869	9.7693	PASS
B14	10	Mid	23330	793	16QAM	8.9610	9.6780	PASS
B14	10	Mid	23330	793	64QAM	8.9651	9.7660	PASS



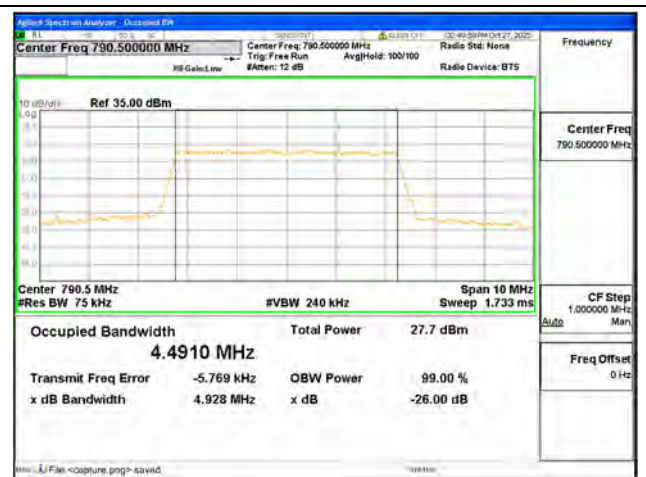
LTE Band	BW(MHz)	Channel Level	Channel	Frequency (MHz)	Modulation	99% BW (MHz)	26dB BW (MHz)	Verdict
B26 Part90	1.4	Low	26697	814.7	QPSK	1.0975	1.2297	PASS
B26 Part90	1.4	Low	26697	814.7	16QAM	1.0954	1.2358	PASS
B26 Part90	1.4	Low	26697	814.7	64QAM	1.0953	1.2408	PASS
B26 Part90	1.4	Mid	26740	819	QPSK	1.0918	1.2373	PASS
B26 Part90	1.4	Mid	26740	819	16QAM	1.0966	1.2362	PASS
B26 Part90	1.4	Mid	26740	819	64QAM	1.0949	1.2369	PASS
B26 Part90	1.4	High	26783	823.3	QPSK	1.0930	1.2367	PASS
B26 Part90	1.4	High	26783	823.3	16QAM	1.0969	1.2327	PASS
B26 Part90	1.4	High	26783	823.3	64QAM	1.0949	1.2305	PASS
B26 Part90	3	Low	26705	815.5	QPSK	2.7005	2.9783	PASS
B26 Part90	3	Low	26705	815.5	16QAM	2.7053	3.0027	PASS
B26 Part90	3	Low	26705	815.5	64QAM	2.7063	2.9812	PASS
B26 Part90	3	Mid	26740	819	QPSK	2.6971	2.9918	PASS
B26 Part90	3	Mid	26740	819	16QAM	2.6967	3.0239	PASS
B26 Part90	3	Mid	26740	819	64QAM	2.7065	2.9992	PASS
B26 Part90	3	High	26775	822.5	QPSK	2.7001	2.9898	PASS
B26 Part90	3	High	26775	822.5	16QAM	2.6972	3.0140	PASS
B26	3	High	26775	822.5	64QAM	2.6998	2.9855	PASS



Part90								
B26 Part90	5	Low	26715	816.5	QPSK	4.4901	4.9459	PASS
B26 Part90	5	Low	26715	816.5	16QAM	4.4916	4.9221	PASS
B26 Part90	5	Low	26715	816.5	64QAM	4.4971	4.9312	PASS
B26 Part90	5	Mid	26740	819	QPSK	4.4818	4.9574	PASS
B26 Part90	5	Mid	26740	819	16QAM	4.4833	4.9028	PASS
B26 Part90	5	Mid	26740	819	64QAM	4.5005	4.9439	PASS
B26 Part90	5	High	26765	821.5	QPSK	4.4875	4.9540	PASS
B26 Part90	5	High	26765	821.5	16QAM	4.4910	4.9342	PASS
B26 Part90	5	High	26765	821.5	64QAM	4.4909	4.9500	PASS
B26 Part90	10	Low	26740	819	QPSK	8.9594	9.7028	PASS
B26 Part90	10	Low	26740	819	16QAM	8.9450	9.5945	PASS
B26 Part90	10	Low	26740	819	64QAM	8.9497	9.7263	PASS
B26 Part90	10	Mid	26740	819	QPSK	8.9718	9.7171	PASS
B26 Part90	10	Mid	26740	819	16QAM	8.9392	9.6118	PASS
B26 Part90	10	Mid	26740	819	64QAM	8.9526	9.7793	PASS
B26 Part90	10	High	26740	819	QPSK	8.9686	9.7202	PASS
B26 Part90	10	High	26740	819	16QAM	8.9230	9.6346	PASS
B26 Part90	10	High	26740	819	64QAM	8.9477	9.7181	PASS



B14 / 5MHz / QPSK/ Low CH



B14 / 5MHz / 16QAM/ Low CH



B14 / 5MHz / 64QAM/ Low CH



B14 / 5MHz / QPSK/ Mid CH



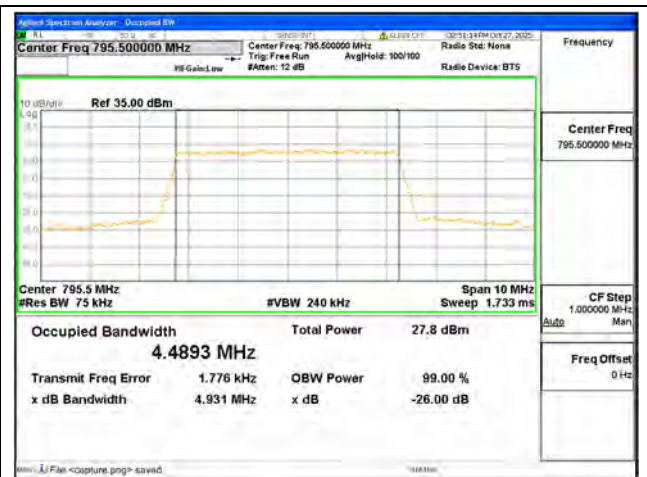
B14 / 5MHz / 16QAM/ Mid CH



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



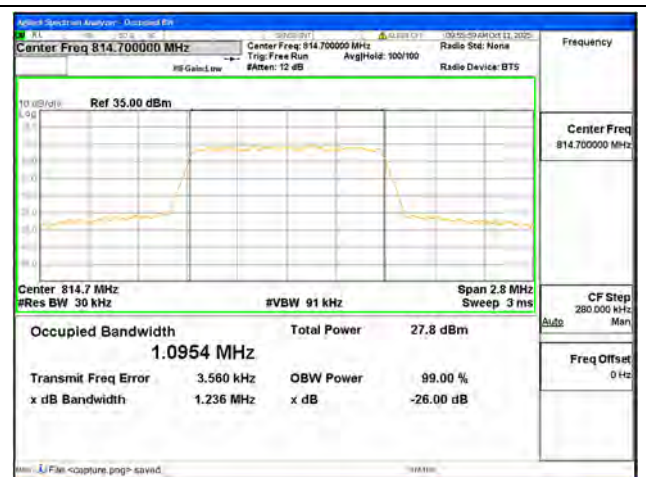
B14 / 10MHz / 16QAM/ Mid CH



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



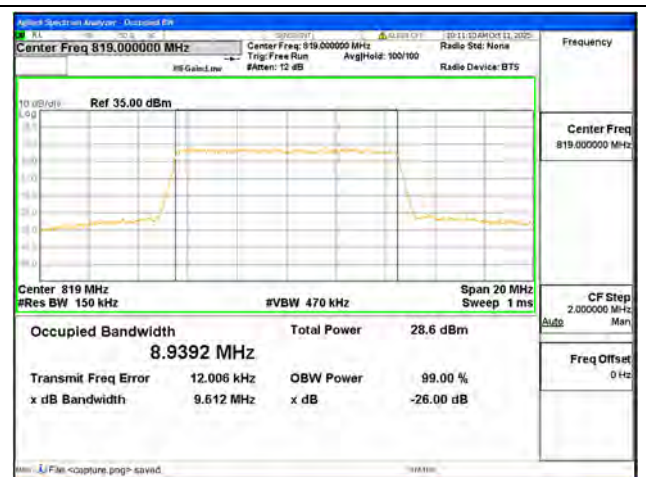
B26 Part90 / 10MHz / 16QAM/ Low CH



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

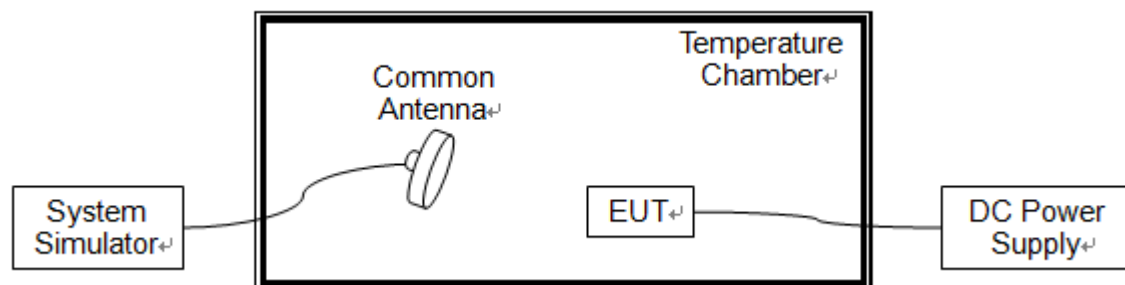
2.3.1. Requirement

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, 4.40V and 3.50V, 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	+20(Ref)	19	0.024	PASS
Normal		-30	13	0.016	
Normal		-20	2	0.003	
Normal		-10	17	0.021	
Normal		0	20	0.025	
Normal		+10	15	0.019	
Normal		+20	10	0.013	
Normal		+30	15	0.019	
Normal		+40	19	0.024	
Normal		+50	3	0.004	
Normal		+60	14	0.018	
Normal		+70	7	0.009	
Normal		+75	19	0.024	
High	4.40	+20	16	0.020	
BATT.ENDPOINT	3.50	+20	5	0.006	



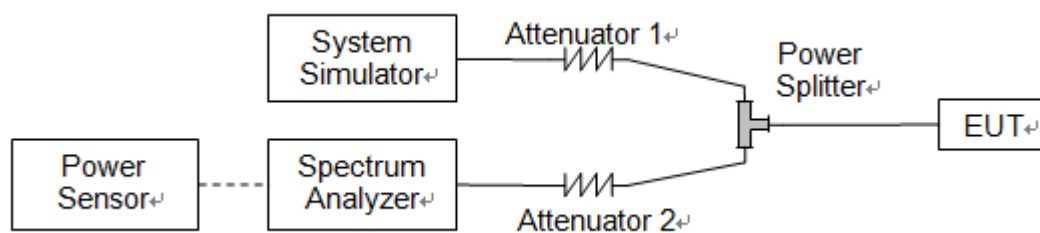
LTE Band 26, 64QAM, Channel 26740, Frequency 819MHz Limit =±2.5ppm					
Voltage (%)	Power (VDC)	Temp(°C)	Fre. Dev.(Hz)	Deviation (ppm)	Result
Normal	3.80	+20(Ref)	-3	-0.004	PASS
Normal		-30	17	0.021	
Normal		-20	17	0.021	
Normal		-10	22	0.027	
Normal		0	3	0.004	
Normal		+10	15	0.018	
Normal		+20	-13	-0.016	
Normal		+30	14	0.017	
Normal		+40	-3	-0.004	
Normal		+50	18	0.022	
Normal		+60	15	0.018	
Normal		+70	15	0.018	
Normal		+75	18	0.022	
High	4.40	+20	17	0.021	
BATT.ENDPOINT	3.50	+20	13	0.016	

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



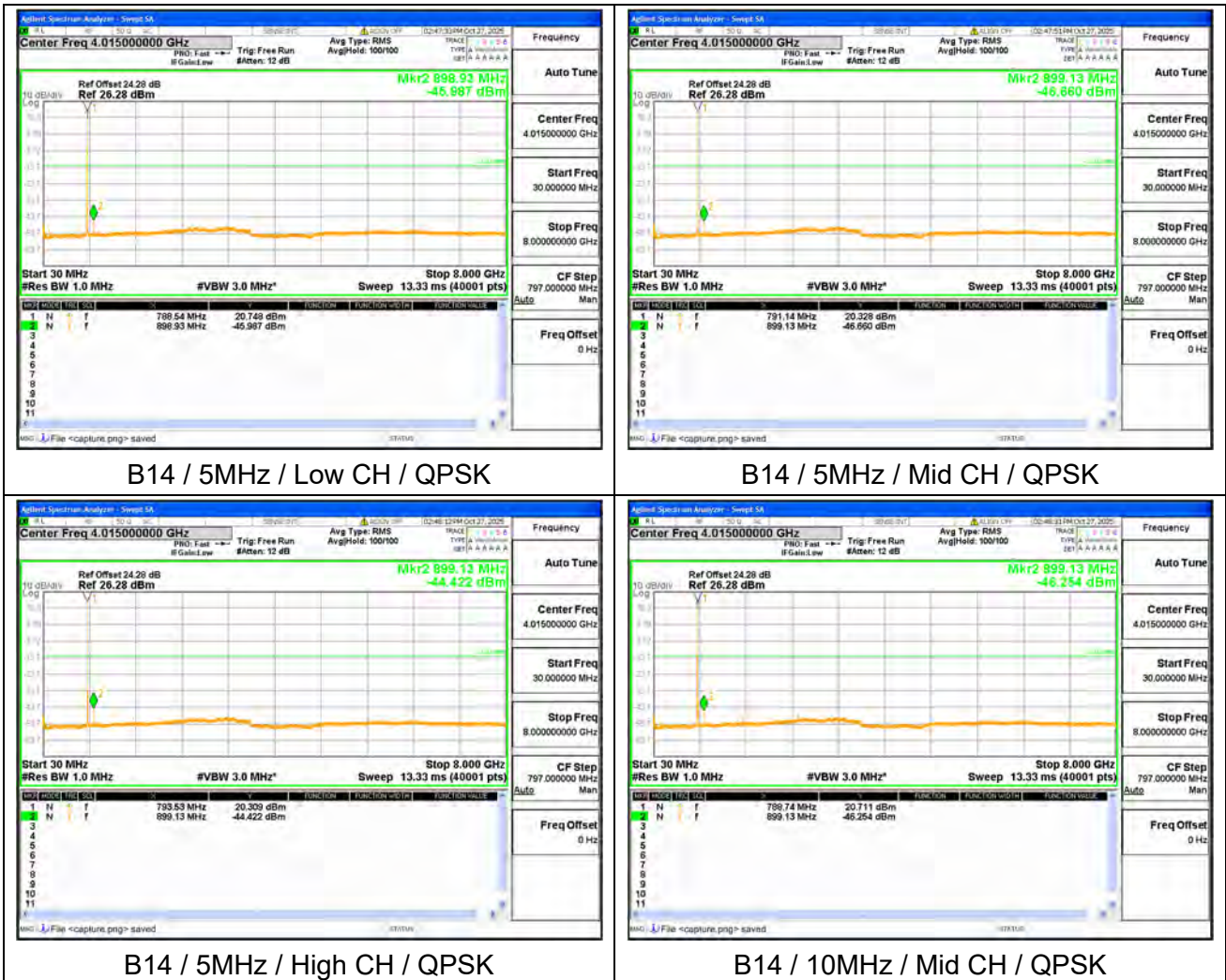
The EUT is coupled to the Spectrum Analyzer (SA) and the System Simulator (SS) with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the SS to operate at the maximum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

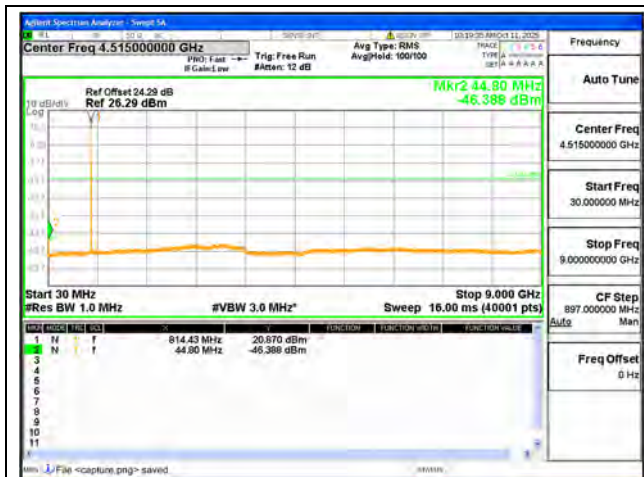
2.4.3. Test procedure

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



2.4.4. Test Result

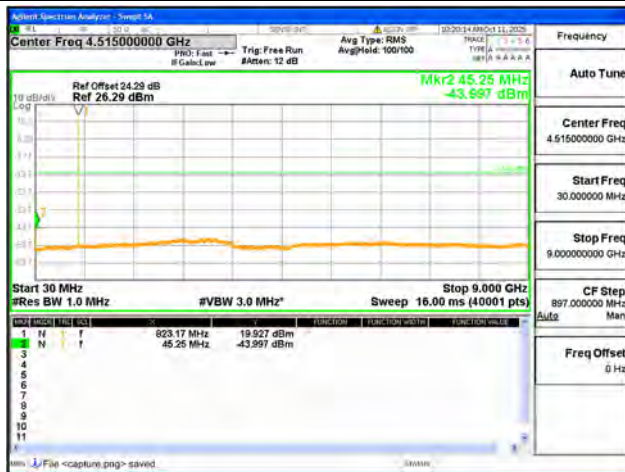




B26 Part90 / 1.4MHz / Low CH / QPSK



B26 Part90 / 1.4MHz / Mid CH / QPSK



B26 Part90 / 1.4MHz / High CH / QPSK



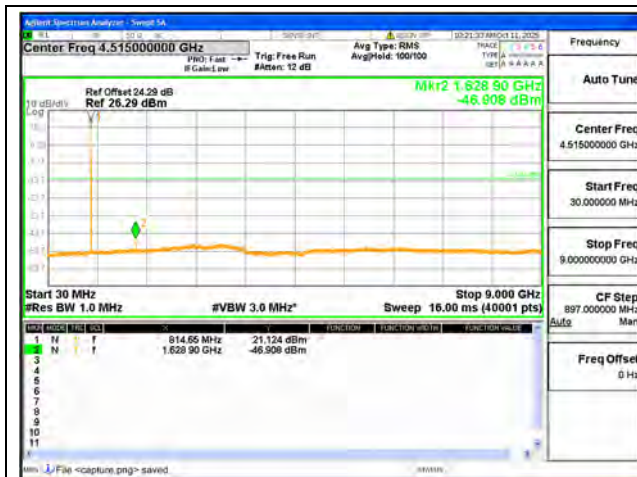
B26 Part90 / 3MHz / Low CH / QPSK



B26 Part90 / 3MHz / Mid CH / QPSK



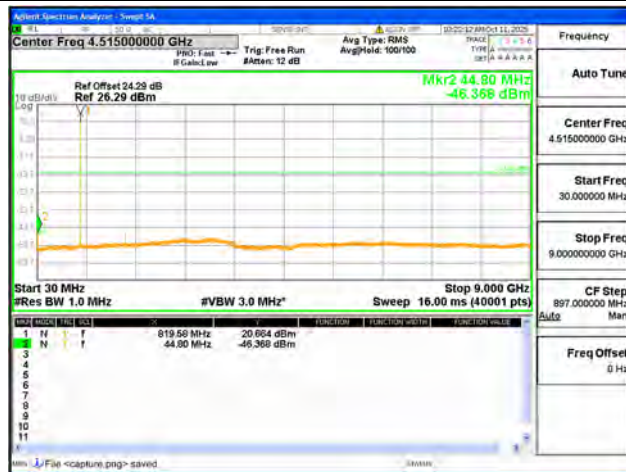
B26 Part90 / 3MHz / High CH / QPSK



B26 Part90 / 5MHz / Low CH / QPSK



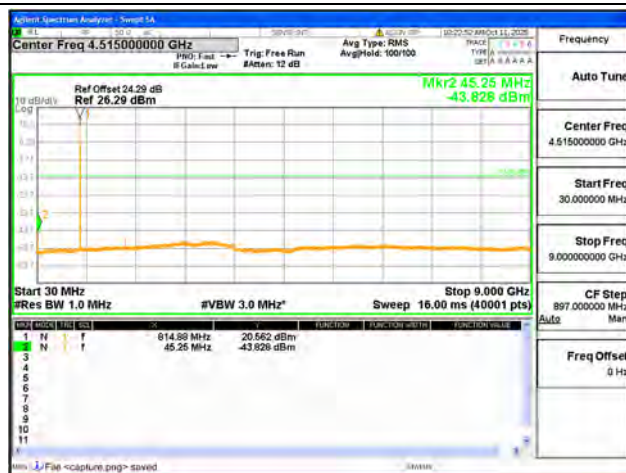
B26 Part90 / 5MHz / Mid CH / QPSK



B26 Part90 / 5MHz / High CH / QPSK



B26 Part90 / 10MHz / Low CH / QPSK



B26 Part90 / 10MHz / Mid CH / QPSK



B26 Part90 / 10MHz / High CH / QPSK

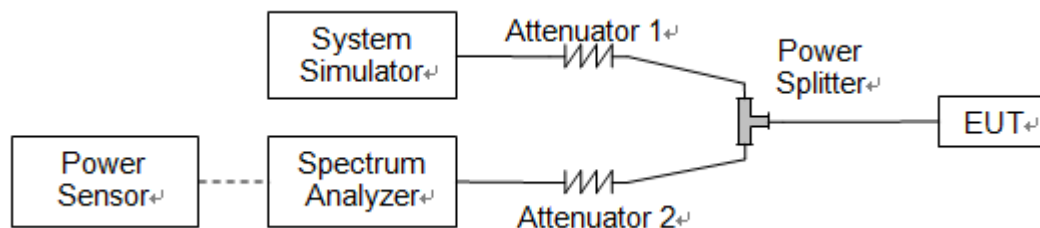
2.5. Band Edge

2.5.1. Requirement

Band26

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.

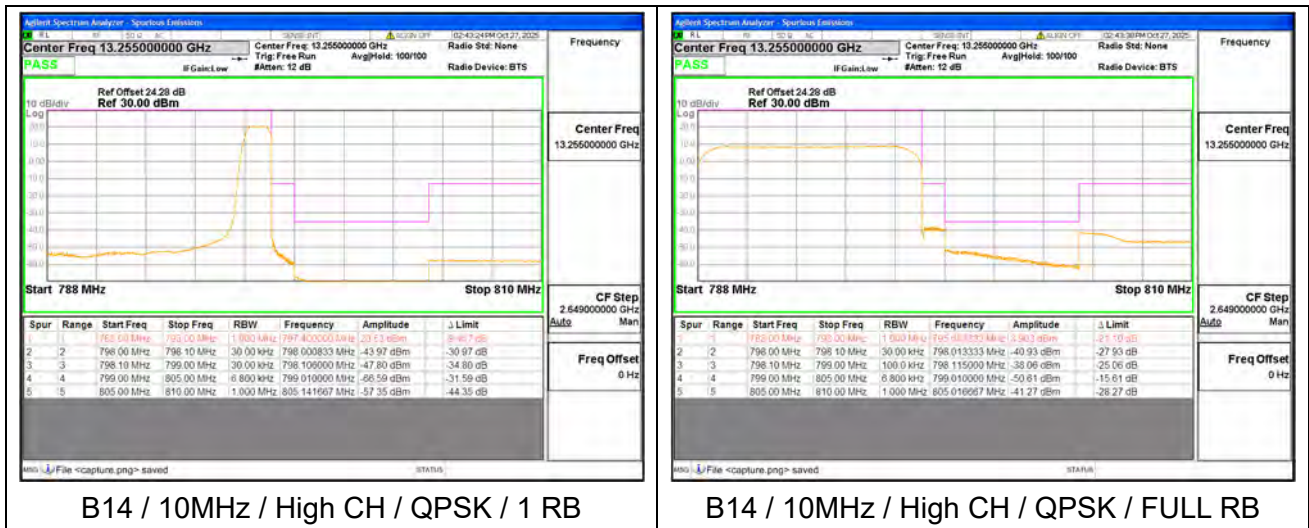
2.5.3. Test procedure

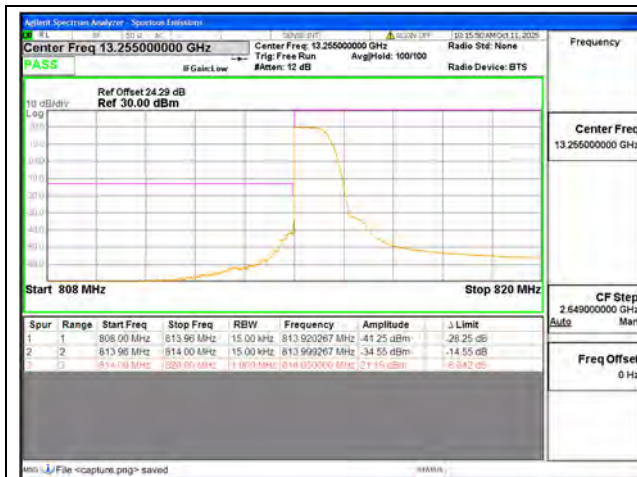
KDB 971168 D01v03 Section 6.0 and ANSI/TIA-603-E-2016.



2.5.4. Test Result







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



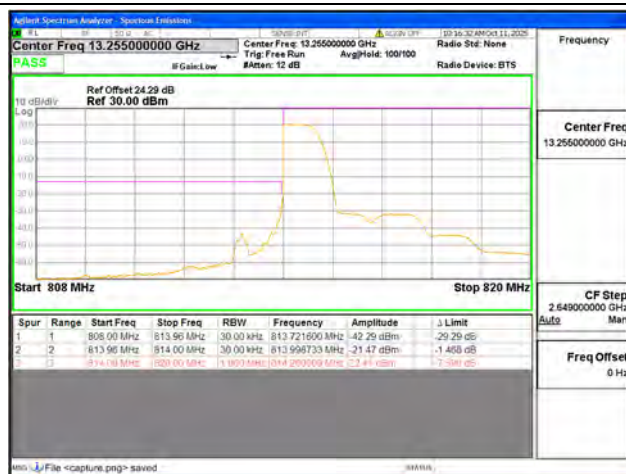
B26 Part90 / 1.4MHz / Low CH / QPSK / FULL RB



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



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



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



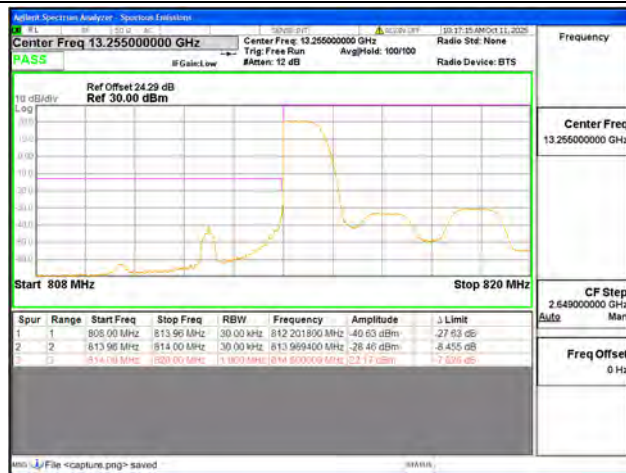
B26 Part90 / 3MHz / Low CH / QPSK / FULL RB



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



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



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



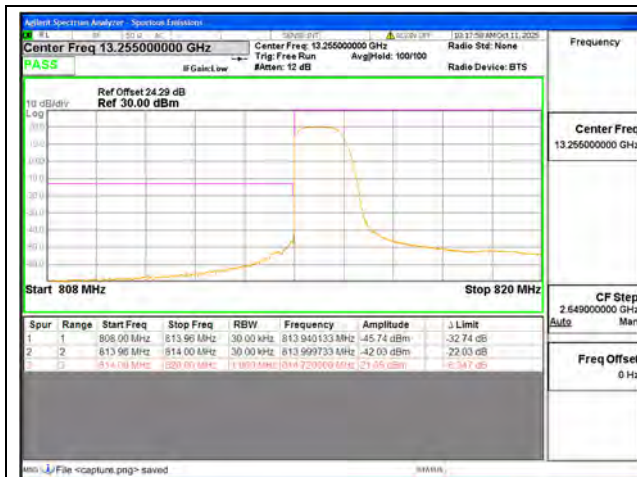
B26 Part90 / 5MHz / Low CH / QPSK / FULL RB



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



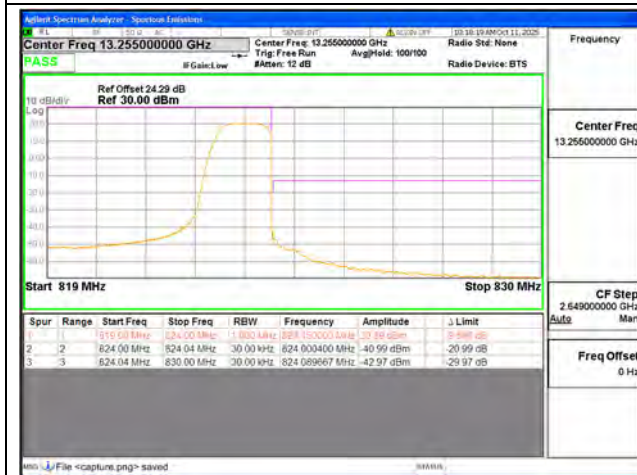
B26 Part90 / 5MHz / High CH / QPSK / FULL RB



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



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



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



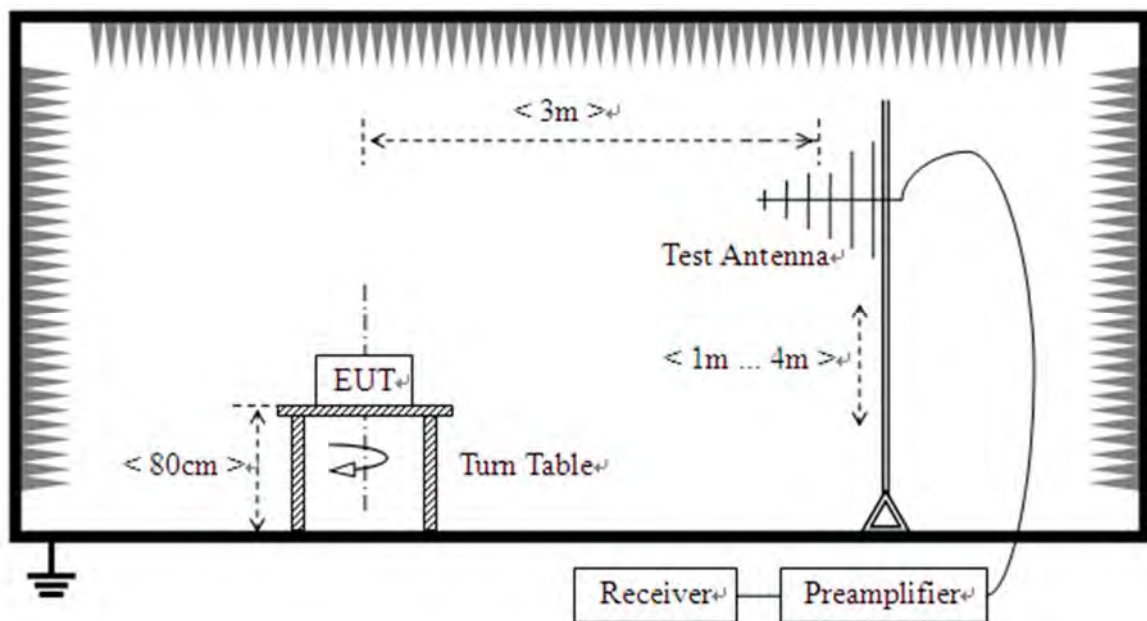
B26 Part90 / 10MHz / High CH / QPSK / FULL RB

2.6. Radiated Spurious Emissions

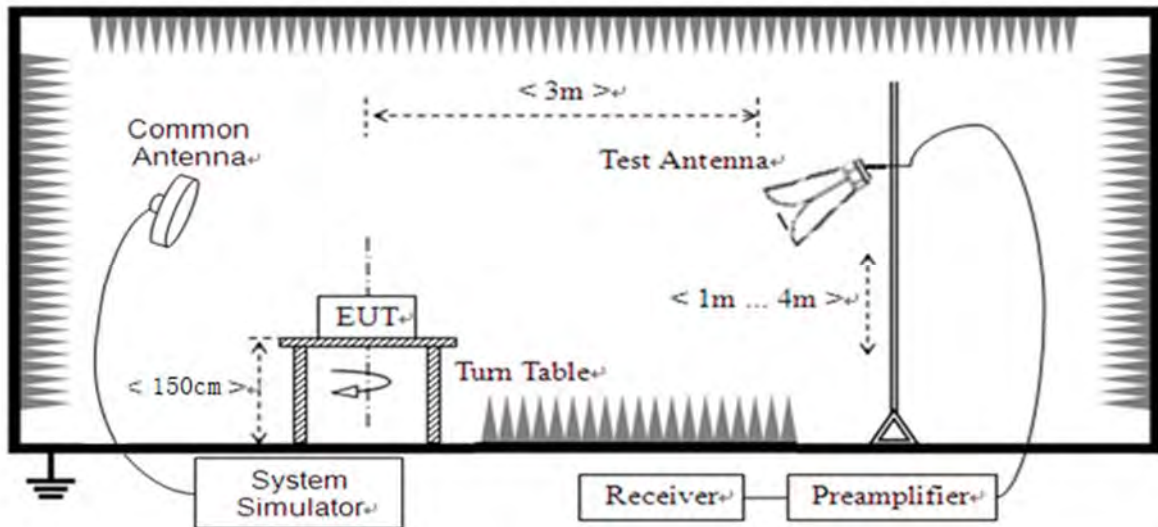
2.6.1. Requirement

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

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.

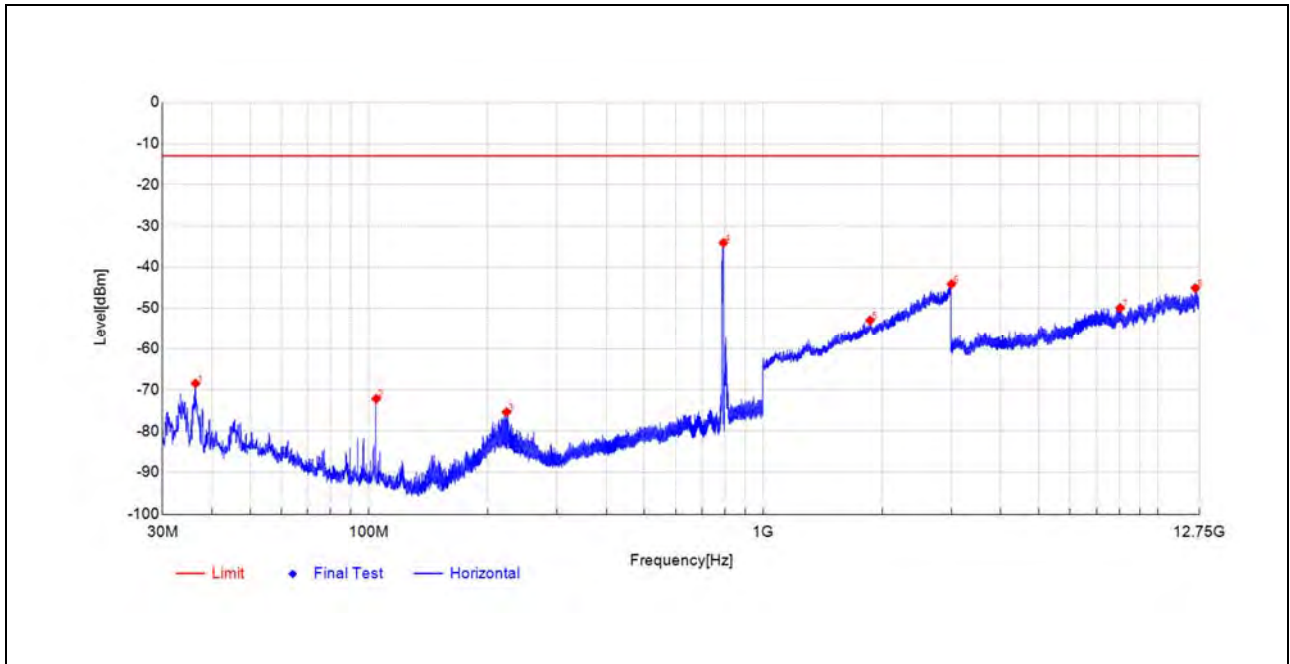
Note4: N/A means the frequency is the basic frequency or the base station frequency, they are no need to verdict.

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

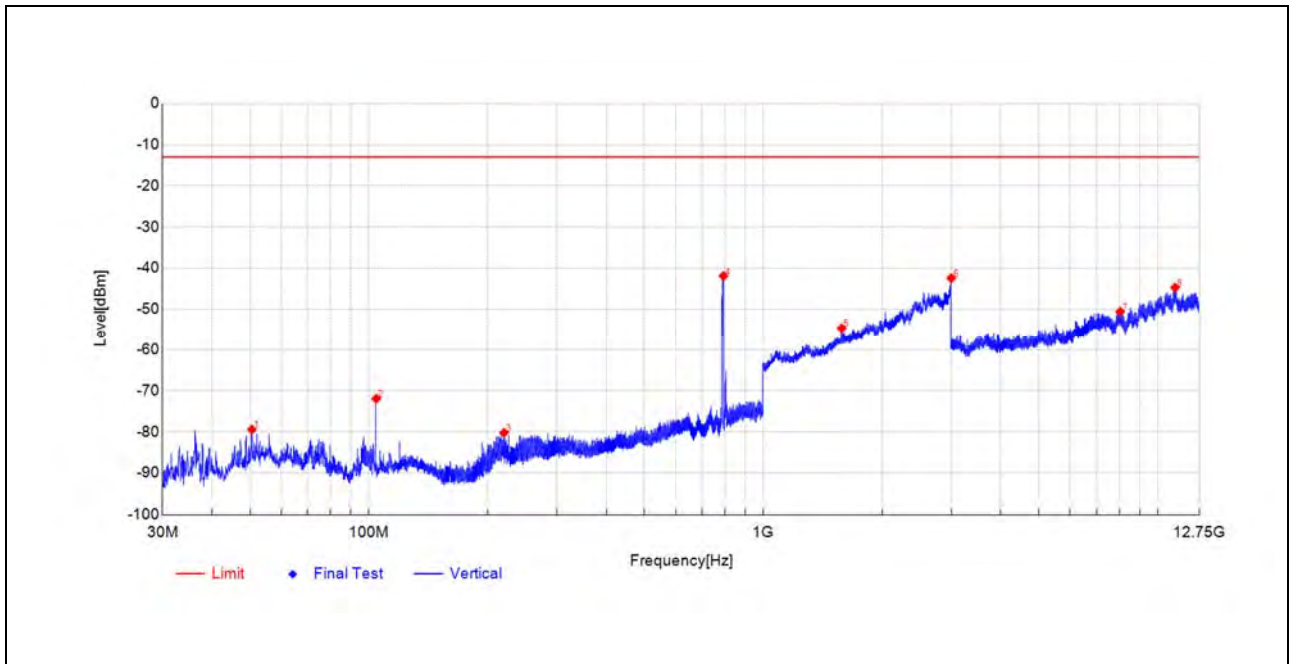


LTE Band 14

Plot for Low Channel

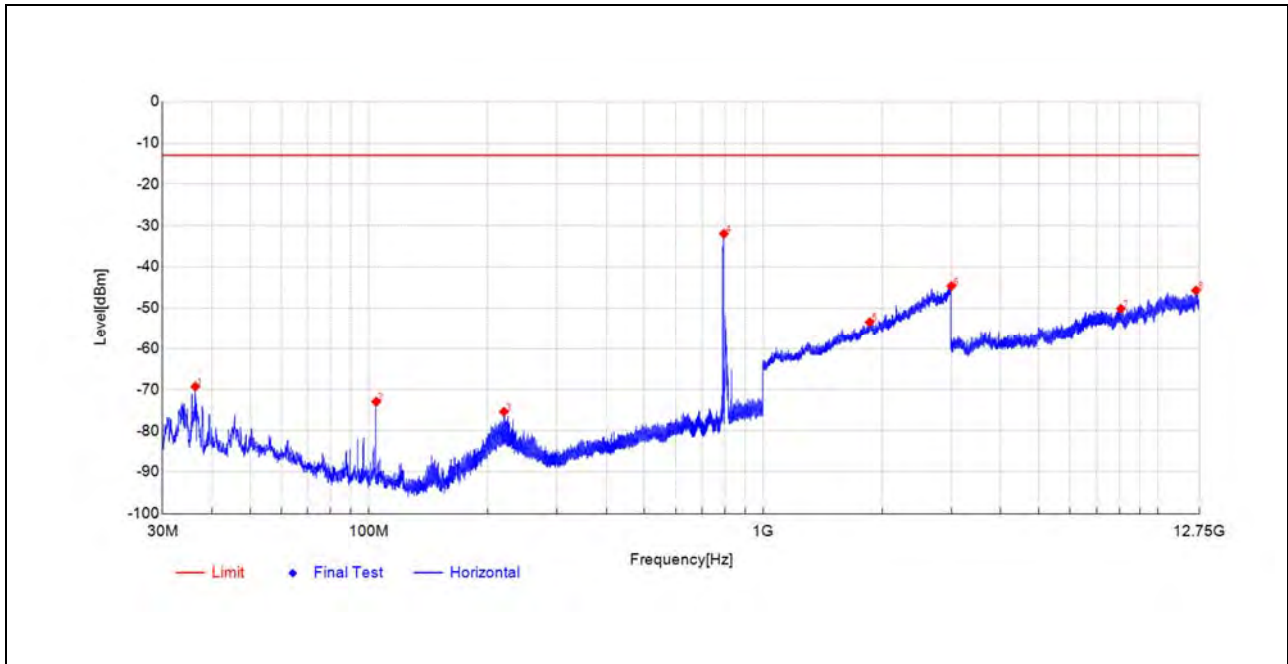


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
36.3538	-53.38	-68.45	-15.1	-13.0	55.5	Horizontal	PK	PASS
104.3542	-49.73	-72.17	-22.4	-13.0	59.2	Horizontal	PK	PASS
223.2822	-60.37	-75.41	-15.0	-13.0	62.4	Horizontal	PK	PASS
792.5066	-26.96	-34.10	-7.1	-	-	Horizontal	PK	NA
1864.5729	-58.25	-52.95	5.3	-13.0	40.0	Horizontal	PK	PASS
2999.5999	-59.62	-44.13	15.5	-13.0	31.1	Horizontal	PK	PASS
8031.2516	-63.39	-49.94	13.5	-13.0	36.9	Horizontal	PK	PASS
12464.798	-67.71	-45.10	22.6	-13.0	32.1	Horizontal	PK	PASS

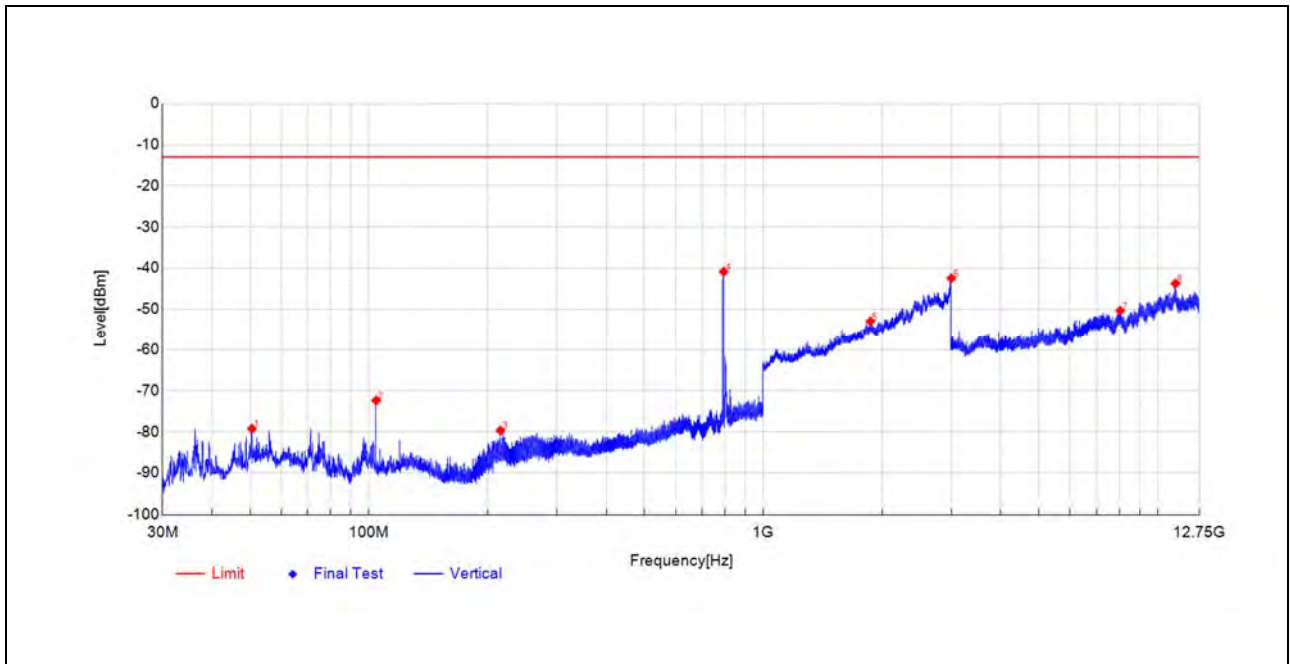


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
50.5165	-61.28	-79.44	-18.2	-13.0	66.4	Vertical	PK	PASS
104.3542	-51.20	-71.96	-20.8	-13.0	59.0	Vertical	PK	PASS
220.081	-61.00	-80.21	-19.2	-13.0	67.2	Vertical	PK	PASS
792.6521	-35.10	-41.90	-6.8	-	-	Vertical	PK	NA
1580.9162	-56.97	-54.62	2.4	-13.0	41.6	Vertical	PK	PASS
2997.1994	-59.78	-42.40	17.4	-13.0	29.4	Vertical	PK	PASS
8032.7141	-63.58	-50.57	13.0	-13.0	37.6	Vertical	PK	PASS
11067.553	-66.98	-44.71	22.3	-13.0	31.7	Vertical	PK	PASS

Plot for Mid Channel

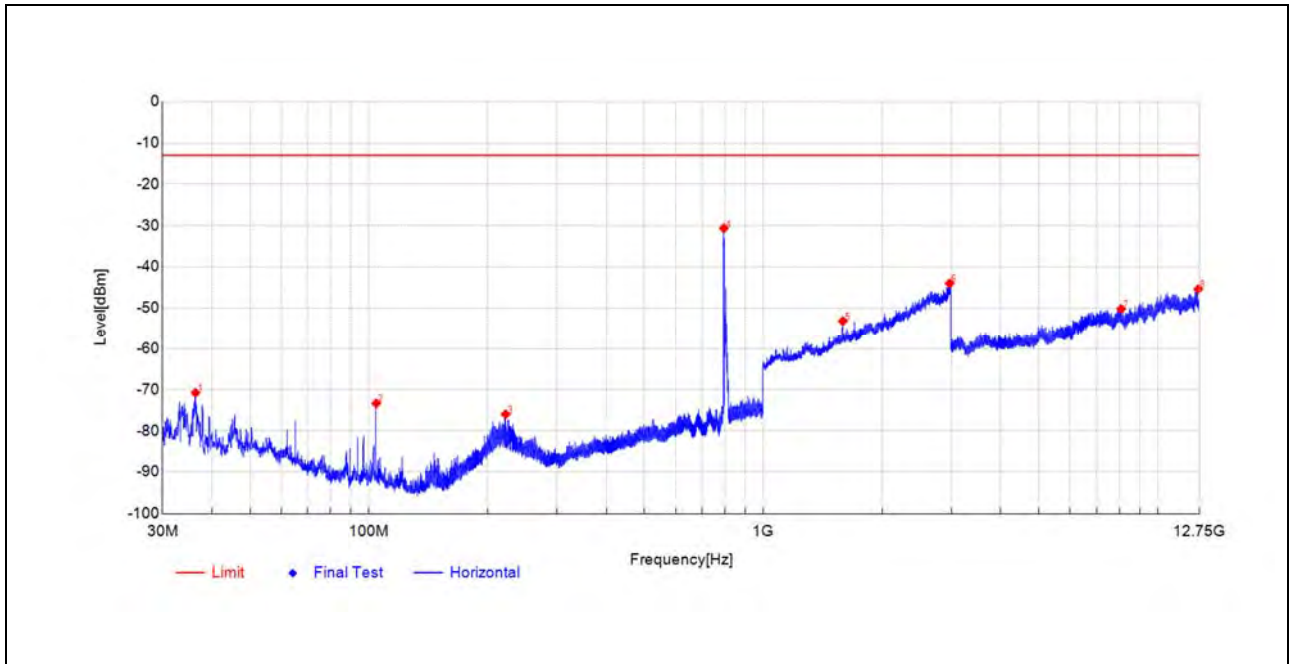


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
36.3053	-54.17	-69.24	-15.1	-13.0	56.2	Horizontal	PK	PASS
104.3542	-50.48	-72.92	-22.4	-13.0	59.9	Horizontal	PK	PASS
220.081	-60.08	-75.36	-15.3	-13.0	62.4	Horizontal	PK	PASS
794.6892	-24.84	-31.96	-7.1	-	-	Horizontal	PK	NA
1861.3723	-58.58	-53.39	5.2	-13.0	40.4	Horizontal	PK	PASS
2998.3997	-60.08	-44.63	15.5	-13.0	31.6	Horizontal	PK	PASS
8066.8408	-63.64	-50.14	13.5	-13.0	37.1	Horizontal	PK	PASS
12510.625	-69.11	-45.70	23.4	-13.0	32.7	Horizontal	PK	PASS

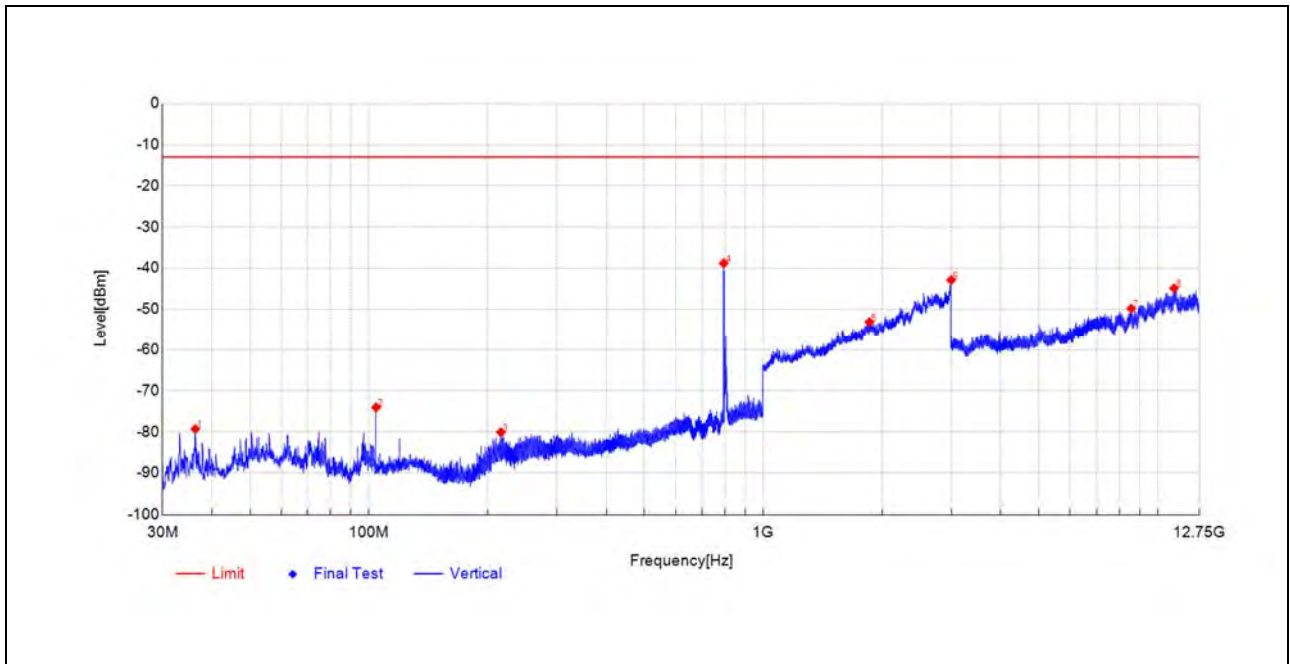


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
50.5165	-61.06	-79.22	-18.2	-13.0	66.2	Vertical	PK	PASS
104.3542	-51.62	-72.38	-20.8	-13.0	59.4	Vertical	PK	PASS
215.5703	-60.03	-79.66	-19.6	-13.0	66.7	Vertical	PK	PASS
793.8162	-34.07	-40.85	-6.8	-	-	Vertical	PK	NA
1869.774	-58.26	-52.93	5.3	-13.0	39.9	Vertical	PK	PASS
2997.1994	-59.81	-42.43	17.4	-13.0	29.4	Vertical	PK	PASS
8034.6642	-63.36	-50.34	13.0	-13.0	37.3	Vertical	PK	PASS
11089.492	-66.09	-43.72	22.4	-13.0	30.7	Vertical	PK	PASS

Plot for High Channel

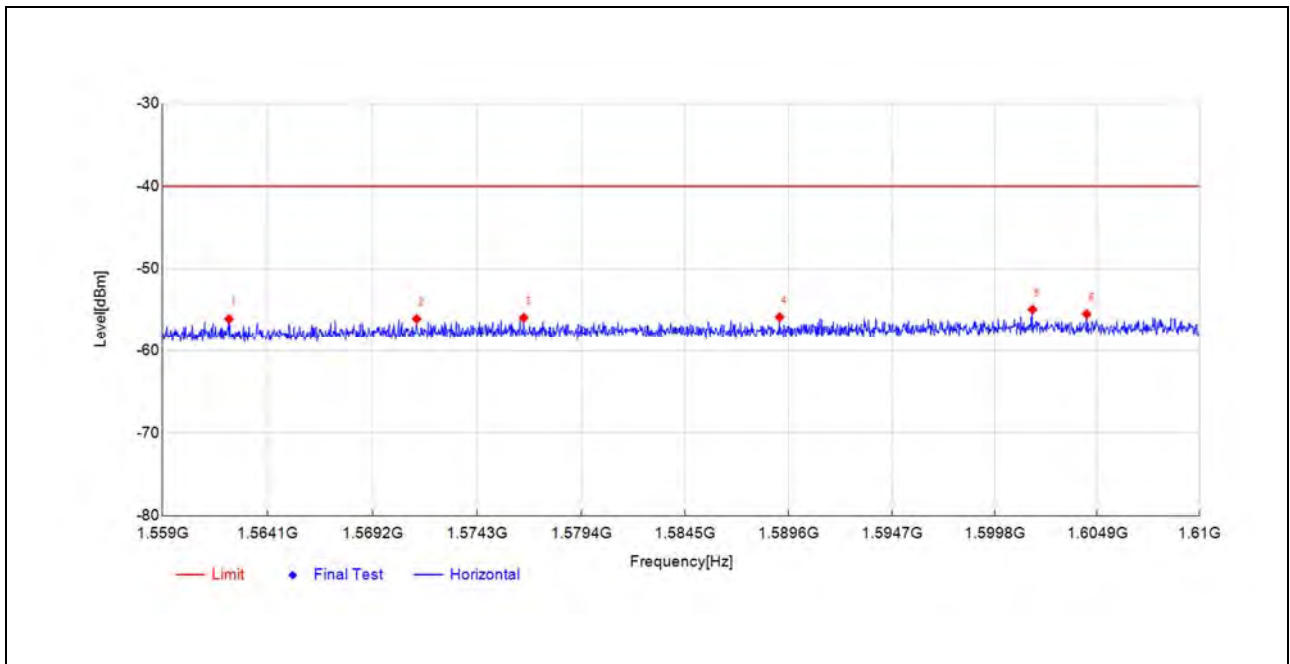


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
36.3538	-55.70	-70.77	-15.1	-13.0	57.8	Horizontal	PK	PASS
104.3542	-50.90	-73.34	-22.4	-13.0	60.3	Horizontal	PK	PASS
222.2636	-60.87	-75.98	-15.1	-13.0	63.0	Horizontal	PK	PASS
794.3982	-23.52	-30.64	-7.1	-	-	Horizontal	PK	NA
1590.9182	-55.66	-53.14	2.5	-13.0	40.1	Horizontal	PK	PASS
2966.7934	-58.96	-44.00	15.0	-13.0	31.0	Horizontal	PK	PASS
8079.5165	-63.70	-50.18	13.5	-13.0	37.2	Horizontal	PK	PASS
12670.533	-68.00	-45.38	22.6	-13.0	32.4	Horizontal	PK	PASS

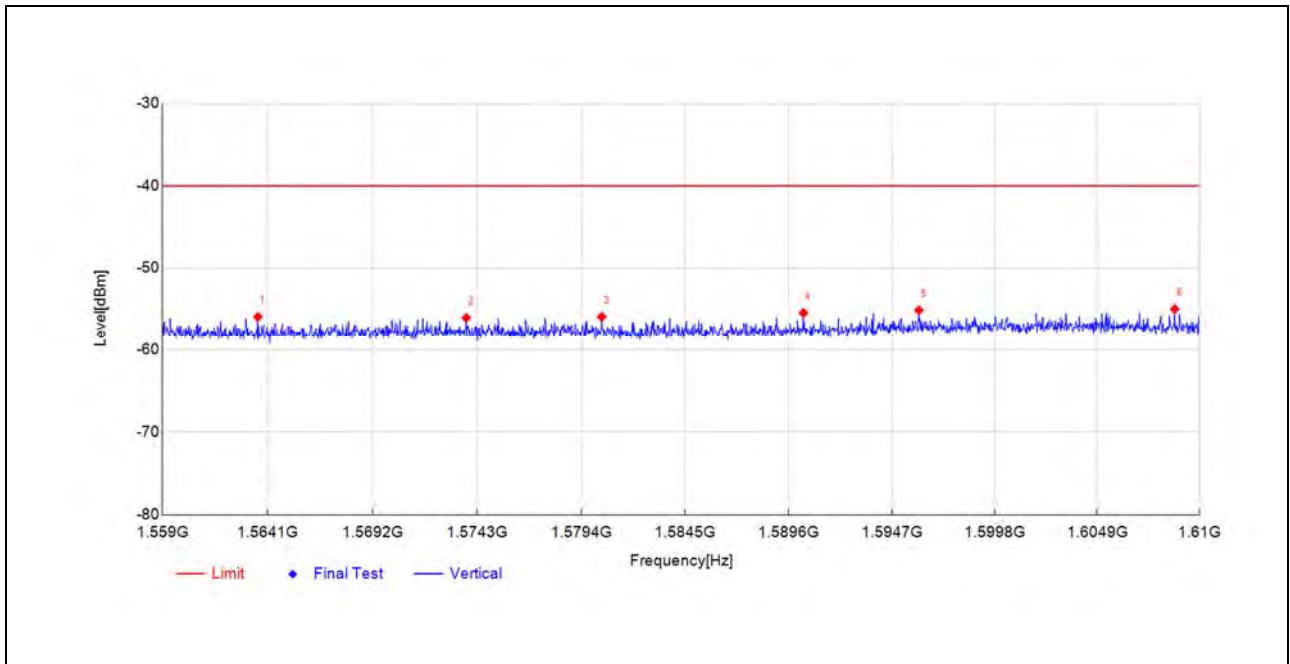


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
36.3053	-56.36	-79.30	-22.9	-13.0	66.3	Vertical	PK	PASS
104.3057	-53.29	-74.05	-20.8	-13.0	61.1	Vertical	PK	PASS
216.2008	-60.50	-80.07	-19.6	-13.0	67.1	Vertical	PK	PASS
793.9132	-32.01	-38.79	-6.8	-	-	Vertical	PK	NA
1858.9718	-58.07	-53.09	5.0	-13.0	40.1	Vertical	PK	PASS
2994.3989	-59.90	-42.87	17.0	-13.0	29.9	Vertical	PK	PASS
8569.4785	-63.67	-49.80	13.9	-13.0	36.8	Vertical	PK	PASS
10998.812	-66.84	-44.87	22.0	-13.0	31.9	Vertical	PK	PASS

Plot for 1559MHz-1610MHz



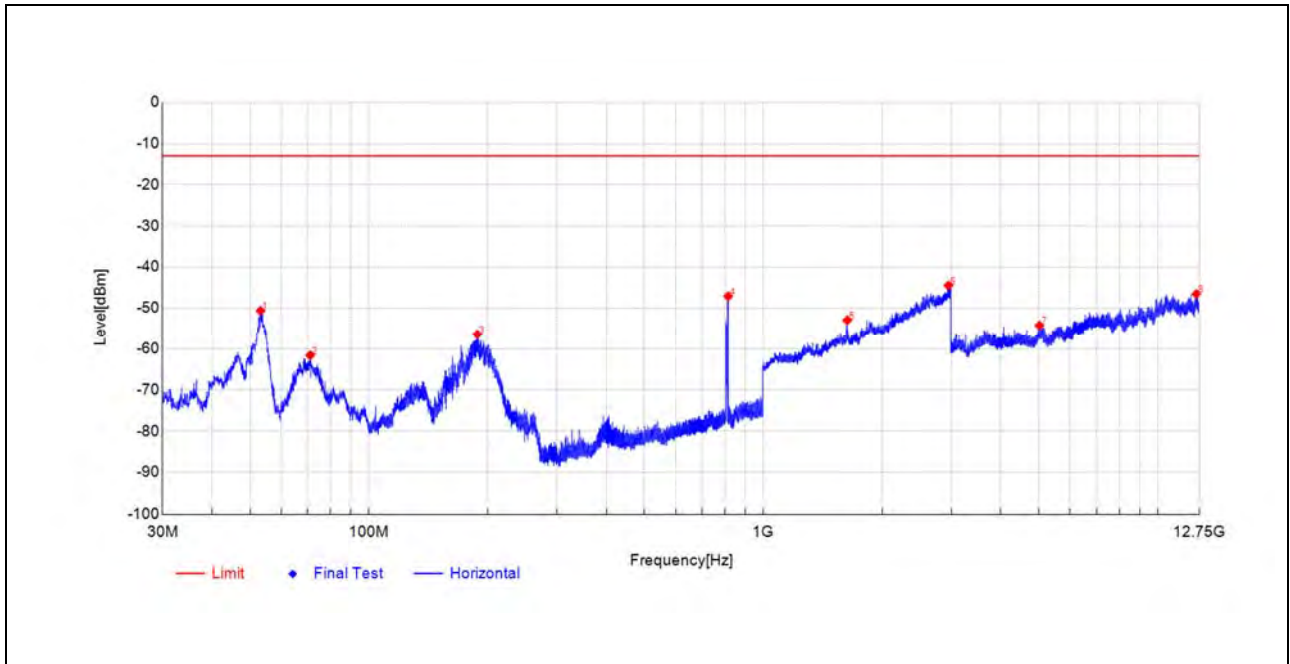
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1562.2146	-58.56	-56.07	2.5	-40.0	16.1	Horizontal	PK	PASS
1571.3482	-58.56	-56.05	2.5	-40.0	16.1	Horizontal	PK	PASS
1576.5783	-58.43	-55.91	2.5	-40.0	15.9	Horizontal	PK	PASS
1589.1561	-58.34	-55.82	2.5	-40.0	15.8	Horizontal	PK	PASS
1601.6828	-57.42	-54.91	2.5	-40.0	14.9	Horizontal	PK	PASS
1604.3872	-57.96	-55.46	2.5	-40.0	15.5	Horizontal	PK	PASS



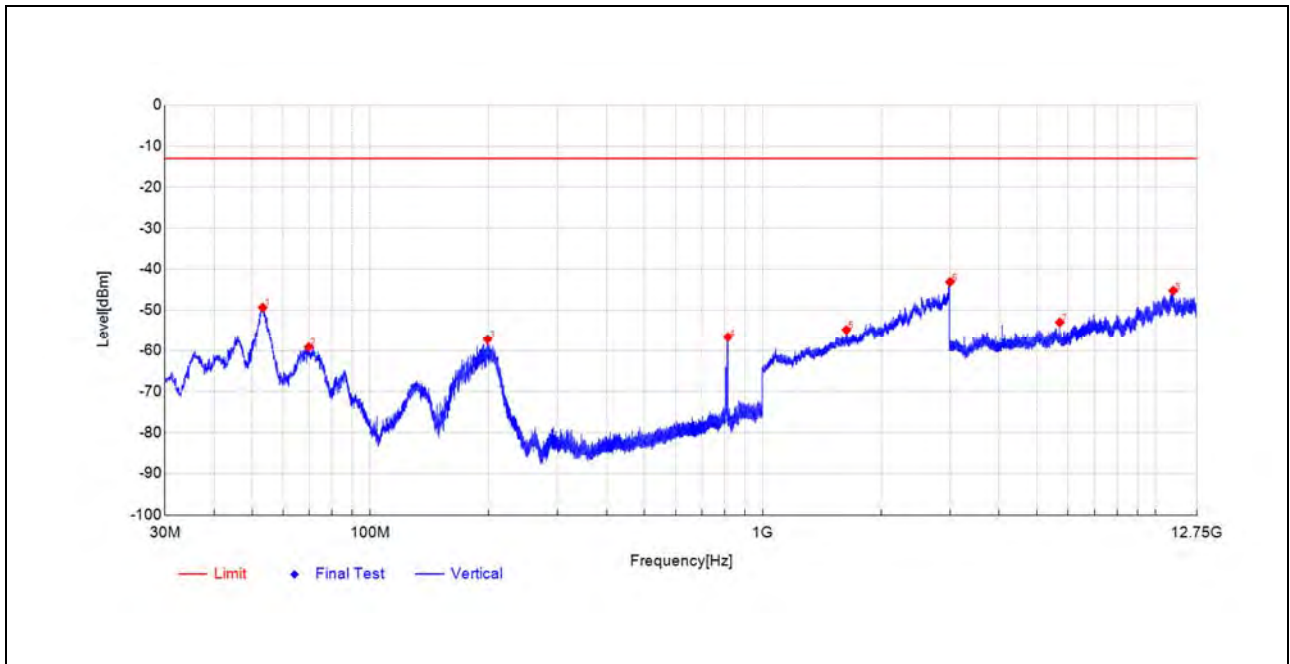
Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
1563.6178	-58.51	-55.90	2.6	-40.0	15.9	Vertical	PK	PASS
1573.7719	-58.47	-56.03	2.4	-40.0	16.0	Vertical	PK	PASS
1580.4052	-58.23	-55.90	2.3	-40.0	15.9	Vertical	PK	PASS
1590.3297	-57.91	-55.44	2.5	-40.0	15.4	Vertical	PK	PASS
1596.0445	-57.66	-55.11	2.6	-40.0	15.1	Vertical	PK	PASS
1608.7754	-57.66	-54.97	2.7	-40.0	15.0	Vertical	PK	PASS

**LTE Band 26**

Plot for Low Channel

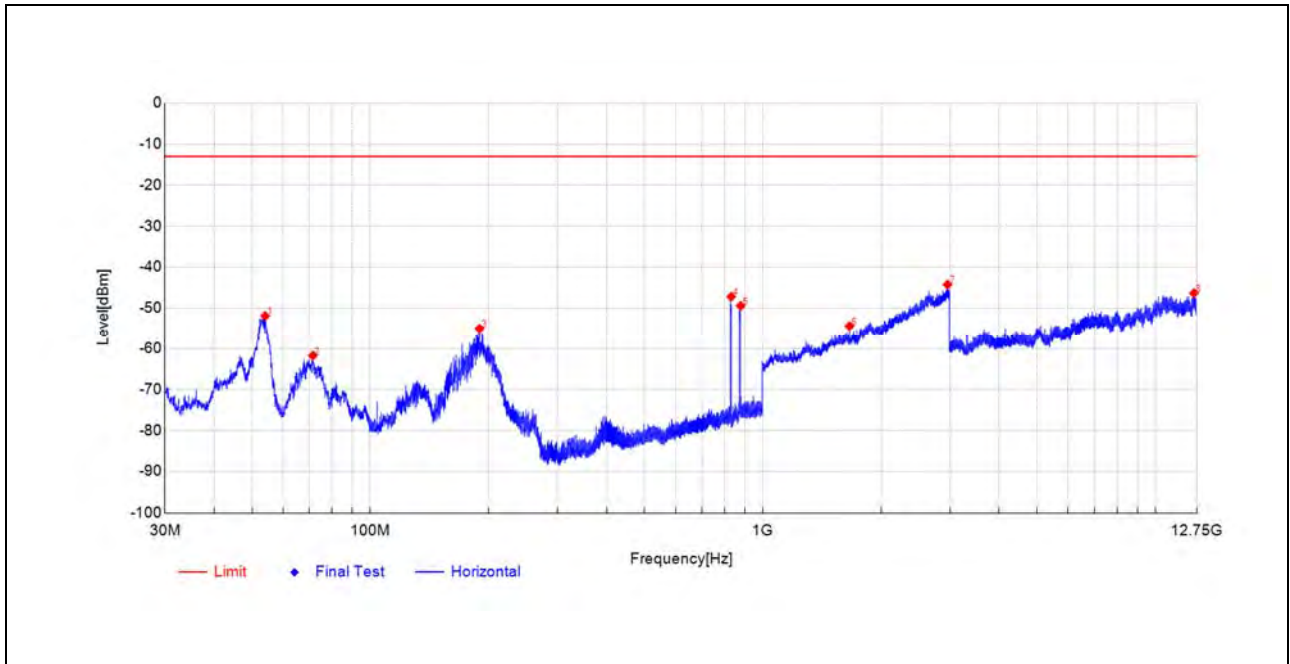


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
53.1357	-35.24	-50.63	-15.4	-13.0	37.6	Horizontal	PK	PASS
70.9845	-40.81	-61.61	-20.8	-13.0	48.6	Horizontal	PK	PASS
188.3604	-36.85	-56.44	-19.6	-13.0	43.4	Horizontal	PK	PASS
814.7207	-41.14	-47.09	-6.0	-	-	Horizontal	PK	NA
1632.9266	-55.89	-52.94	3.0	-13.0	39.9	Horizontal	PK	PASS
2946.7894	-59.17	-44.45	14.7	-13.0	31.5	Horizontal	PK	PASS
5014.9382	-60.33	-54.23	6.1	-13.0	41.2	Horizontal	PK	PASS
12535.001	-69.90	-46.54	23.4	-13.0	33.5	Horizontal	PK	PASS

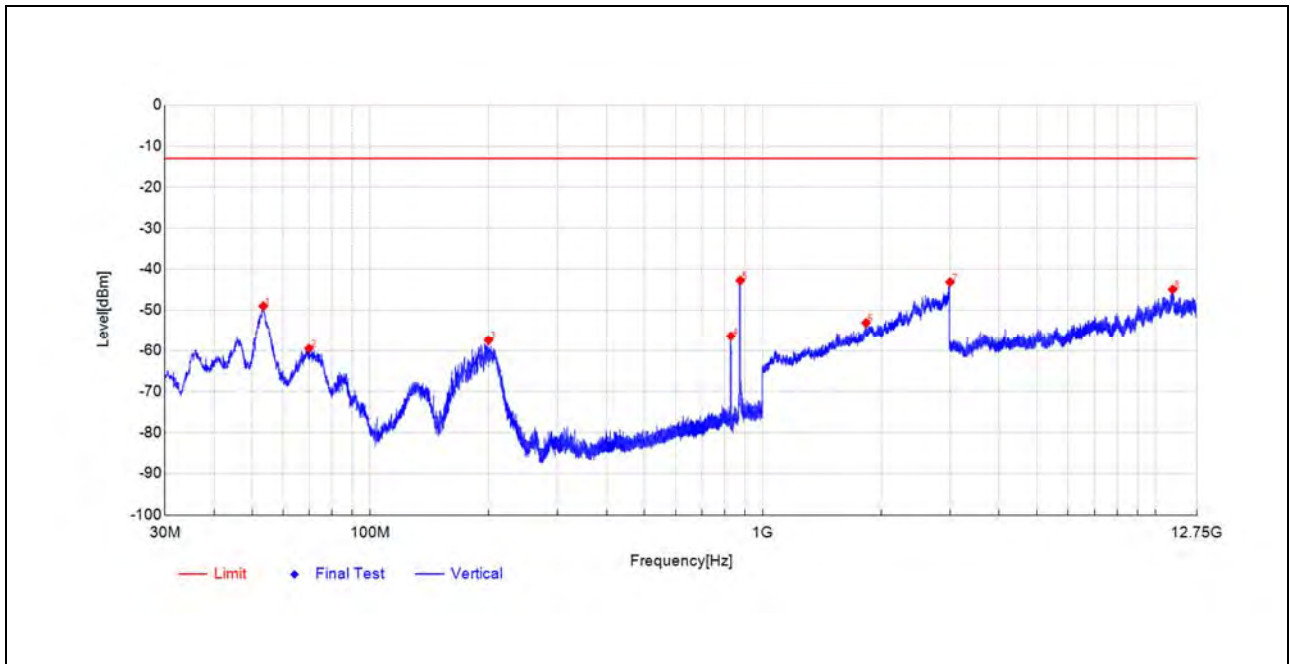


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
53.2327	-31.88	-49.32	-17.4	-13.0	36.3	Vertical	PK	PASS
69.675	-38.56	-59.14	-20.6	-13.0	46.1	Vertical	PK	PASS
199.031	-35.81	-57.17	-21.4	-13.0	44.2	Vertical	PK	PASS
814.7207	-50.88	-56.63	-5.8	-	-	Vertical	PK	NA
1632.9266	-57.44	-54.81	2.6	-13.0	41.8	Vertical	PK	PASS
2998.7998	-60.19	-43.06	17.1	-13.0	30.1	Vertical	PK	PASS
5709.6605	-59.49	-52.94	6.6	-13.0	39.9	Vertical	PK	PASS
11101.680	-67.59	-45.21	22.4	-13.0	32.2	Vertical	PK	PASS

Plot for Mid Channel

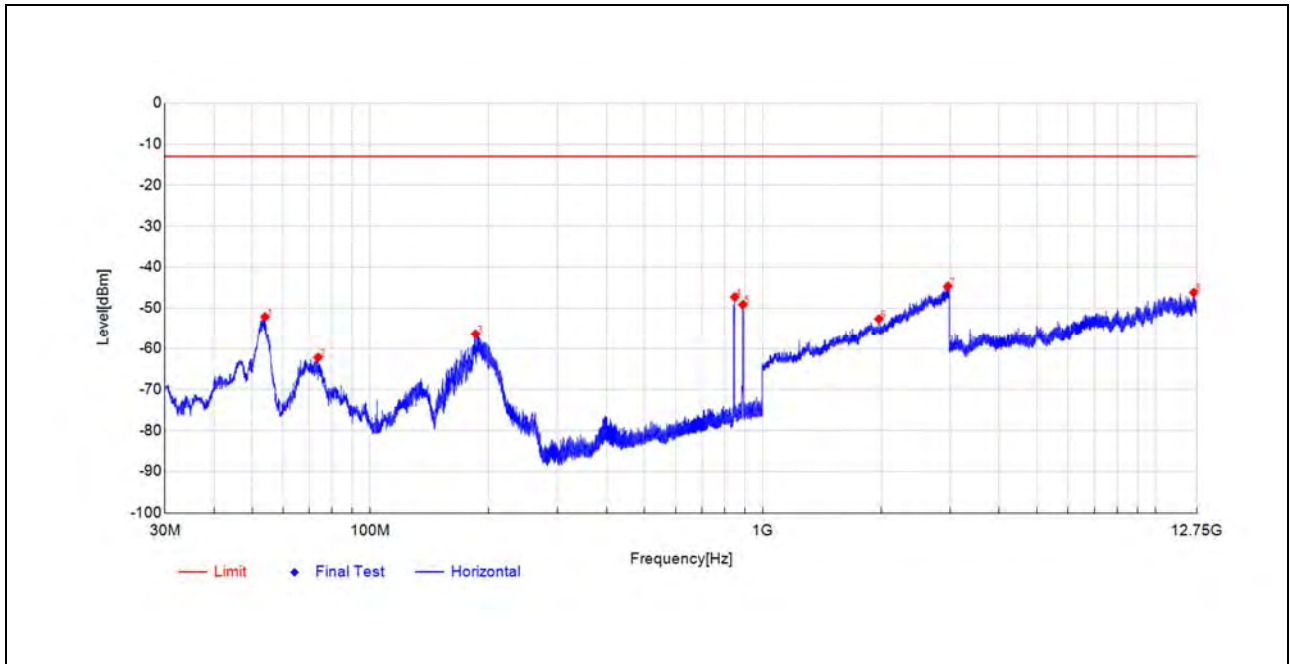


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
53.9602	-36.43	-51.85	-15.4	-13.0	38.9	Horizontal	PK	PASS
71.3726	-40.83	-61.75	-20.9	-13.0	48.8	Horizontal	PK	PASS
189.8155	-35.63	-54.98	-19.4	-13.0	42.0	Horizontal	PK	PASS
830.8235	-41.47	-47.16	-5.7	-	-	Horizontal	PK	NA
878.5984	-44.60	-49.37	-4.8	-	-	Horizontal	PK	NA
1662.9326	-56.87	-54.37	2.5	-13.0	41.4	Horizontal	PK	PASS
2955.5911	-59.35	-44.20	15.2	-13.0	31.2	Horizontal	PK	PASS
12547.189	-69.63	-46.30	23.3	-13.0	33.3	Horizontal	PK	PASS

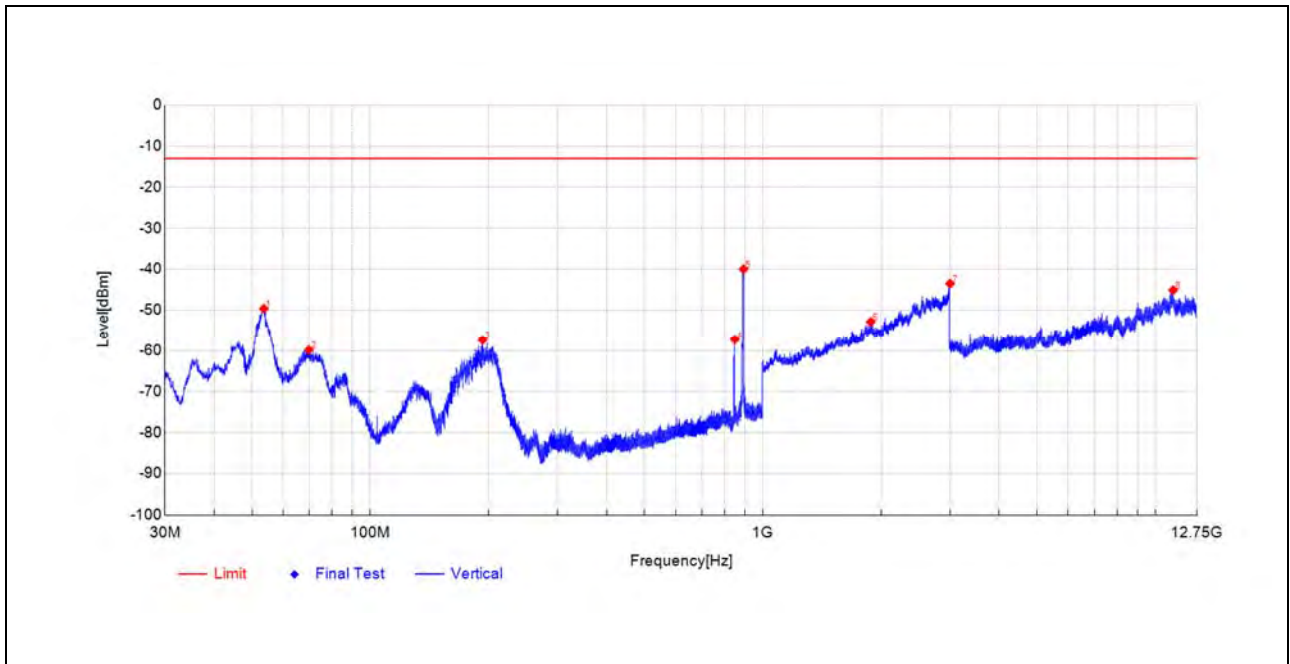


Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
53.3782	-31.56	-48.96	-17.4	-13.0	36.0	Vertical	PK	PASS
69.8205	-38.90	-59.52	-20.6	-13.0	46.5	Vertical	PK	PASS
200.0495	-36.11	-57.41	-21.3	-13.0	44.4	Vertical	PK	PASS
829.708	-50.42	-56.40	-6.0	-	-	Vertical	PK	NA
876.2703	-38.11	-42.73	-4.6	-	-	Vertical	PK	NA
1831.3663	-58.48	-53.08	5.4	-13.0	40.1	Vertical	PK	PASS
2999.5999	-60.32	-43.10	17.2	-13.0	30.1	Vertical	PK	PASS
11068.528	-67.18	-44.90	22.3	-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
53.9602	-36.68	-52.10	-15.4	-13.0	39.1	Horizontal	PK	PASS
73.5552	-40.56	-62.21	-21.7	-13.0	49.2	Horizontal	PK	PASS
185.3533	-36.30	-56.40	-20.1	-13.0	43.4	Horizontal	PK	PASS
848.3814	-42.04	-47.24	-5.2	-	-	Horizontal	PK	NA
889.754	-44.43	-49.13	-4.7	-	-	Horizontal	PK	NA
1976.5953	-58.11	-52.63	5.5	-13.0	39.6	Horizontal	PK	PASS
2961.1922	-59.68	-44.63	15.1	-13.0	31.6	Horizontal	PK	PASS
12543.777	-69.51	-46.18	23.3	-13.0	33.2	Horizontal	PK	PASS



Frequency [MHz]	Reading [dBm]	Level [dBm]	Factor [dB]	Limit [dBm]	Margin [dB]	Polarity	Detector	Verdict
53.5722	-32.27	-49.61	-17.3	-13.0	36.6	Vertical	PK	PASS
69.7235	-39.27	-59.86	-20.6	-13.0	46.9	Vertical	PK	PASS
193.2592	-35.70	-57.37	-21.7	-13.0	44.4	Vertical	PK	PASS
848.6724	-51.69	-57.22	-5.5	-	-	Vertical	PK	NA
893.1977	-35.51	-39.94	-4.4	-	-	Vertical	PK	NA
1882.9766	-58.76	-52.86	5.9	-13.0	39.9	Vertical	PK	PASS
3000	-60.74	-43.48	17.3	-13.0	30.5	Vertical	PK	PASS
11101.192	-67.46	-45.07	22.4	-13.0	32.1	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	2022.11.30	2025.11.29

END OF REPORT