Certificate #6613.01

FCC TEST REPORT

(PART 27)

Applicant:	JACS Solutions, Inc.
Address:	809 Pinnacle Drive, Suite R, Linthicum Heights, MD 21090

Manufacturer or Supplier:	JACS Solutions, Inc.
Address:	809 Pinnacle Drive, Suite R, Linthicum Heights, MD 21090
Product:	TD191-B
Brand Name:	JACS
Model Name:	TD191-B
FCC ID:	2AGCDJACSTD191-B
Date of tests:	Jun. 15, 2022 ~ Jul. 15, 2022

The tests have been carried out according to the requirements of the following standard:

☒ **FCC Part 27, Subpart C,F,H,L,M** ☒ **ANSI/TIA/EIA-603-D**
☒ **FCC Part 2** ☒ **ANSI/TIA/EIA-603-E** ☒ **ANSI C63.26-2015**

CONCLUSION: The submitted sample was found to COMPLY with the test requirement

Prepared by Chao Wu Engineer / Mobile Department	Approved by Peibo Sun Manager / Mobile Department
Chao Wu Date: Jul. 15, 2022	Sun Peibo Date: Jul. 15, 2022

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
PSU-QSU2206080111RF03	Original release	Jul. 15, 2022

1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC PART 27 & PART 2			
STANDARD SECTION	**TEST TYPE**	**RESULT**	**Test lab***
§2.1046	Coduncted Output Power	Compliance	A
§27.50(c)(10) §27.50(b)(10)	Equivalent Radiated Power (Band12) (Band17) (Band71)	Compliance	A
§27.50(d)(4) §27.50(h)(2)	Equivalent Isotropically Radiated Power (Band4) (Band7) (Band13) (Band17) (Band41) (Band66) (Band71)	Compliance	A
§2.1055 §27.54	Frequency Stability	Compliance	A
§2.1049	Occupied Bandwidth	Compliance	A
§2.1051 §27.53(c)(2)(4) §27.53(g) §27.53(h) §27.53(m)(4)(6)	Band Edge Measurements	Compliance	A
§2.1051 §27.53(g) §27.53(h) §27.53(m)(4)(6) §27.53(c)(2)(4)	Conducted Spurious Emissions	Compliance	A
§2.1053 §27.53(g) §27.53(h) §27.53(m)(4)(6) §27.53(c)(2)(4)	Radiated Spurious Emissions	Compliance	A
NA	Peak to average ratio	Compliance	A

***Test Lab Information Reference**

Lab A:

Huarui 7Layers High Technology (Suzhou) Co., Ltd.

Lab Address:

Tower N, Innovation Center, 88 Zhuyi Road, High-tech District, Suzhou City, Anhui Province

Accredited Test Lab Cert 6613.01

The FCC Site Registration No. is 434559; The Designation No. is CN1325.

1.1 MEASREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

MEASUREMENT	UNCERTAINTY
Frequency Stability	±76.97Hz
Radiated emissions & Radiated Power (30MHz~1GMHz)	±4.98dB
Radiated emissions & Radiated Power (1GMHz ~6GMHz)	±4.70dB
Radiated emissions (6GMHz ~18GMHz)	±4.60dB
Radiated emissions (18GMHz ~40GMHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Band Edge Measurements	±4.70dB

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

1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 18,22	Feb. 17,23
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.15,22	May.14,23
Loop Antenna	Schwarzbeck	FMZB 1519B	00173	Sep.05,21	Sep.04,22
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 06,22	Mar. 05,23
Horn Antenna	ETS-LINDGREN	3117	00168692	Mar. 06,22	Mar. 05,23
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Aug. 25, 21	Aug. 24, 22
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Feb. 15,22	Feb. 14,23
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May.12,22	May.11,23
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.12,22	May.11,23
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Feb. 21,22	Feb.20,23
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	May. 19,20	May. 18,23
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	JS1120	3.1.36	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	May. 07,22	May. 06,23
Power Meter	Anritsu	ML2495A	1506002	Feb. 22,22	Feb. 21,23
Power Sensor	Anritsu	MA2411B	1339352	May. 07,22	May. 06,23
Temperature Chamber	ESPEC	SH-242	93000855	May. 12,22	May. 11,23
MXG Analog Microvave Signal Generator	KEYSIGHT	N5183A	MY50143024	Feb. 18,22	Feb. 17,23
Base station R&S CMW500	Rohde&Schwarz	CMW500	153085	May.12,22	May.11,23
DC Source	Kikusui/JP	PMX18-5A	0000001	Aug. 25,21	Aug. 24,22

NOTE: 1. The calibration interval of the above test instruments is 12 months or 36 months and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.

2. The test was performed in 3m Semi-anechoic Chamber and RF Oven Room.

3. The horn antenna is used only for the measurement of emission frequency above 1GHz if tested.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	TD191-B	
BRAND NAME	JACS	
MODEL NAME	TD191-B	
NOMINAL VOLTAGE	EUT 5.0V	
MODULATION TECHNOLOGY	**WCDMA IV**	HSDPA, HSUPA, DC-HSDPA
	LTE	QPSK, 16QAM
FREQUENCY RANGE	**WCDMA IV**	1712.4MHz ~ 1752.6MHz
	LTE Band 4 Channel Bandwidth: 1.4MHz	1710.7MHz ~ 1754.3MHz
	LTE Band 4 Channel Bandwidth: 3MHz	1711.5MHz ~ 1753.5MHz
	LTE Band 4 Channel Bandwidth: 5MHz	1712.5MHz ~ 1752.5MHz
	LTE Band 4 Channel Bandwidth: 10MHz	1715MHz ~ 1750MHz
	LTE Band 4 Channel Bandwidth: 15MHz	1717.5MHz ~ 1747.5 MHz
	LTE Band 4 Channel Bandwidth: 20MHz	1720MHz ~ 1745MHz
	LTE Band 7 Channel Bandwidth: 5MHz	2502.5MHz ~ 2567.5MHz
	LTE Band 7 Channel Bandwidth: 10MHz	2505MHz ~ 2565MHz
	LTE Band 7 Channel Bandwidth: 15MHz	2507.5MHz ~ 2562.5MHz
	LTE Band 7 Channel Bandwidth: 20MHz	2510MHz ~ 2560MHz
	LTE Band 12 Channel Bandwidth: 3MHz	700.5MHz ~ 714.5MHz
	LTE Band 12 Channel Bandwidth: 5MHz	701.5MHz ~ 713.5MHz
	LTE Band 12 Channel Bandwidth: 10MHz	704MHz ~ 711MHz
	LTE Band 13 Channel Bandwidth: 5MHz	779.5MHz ~ 784.5MHz
	LTE Band 13 Channel Bandwidth: 10MHz	782MHz
	LTE Band 17 Channel Bandwidth: 5MHz	706.5MHz ~ 713.5MHz
	LTE Band 17 Channel Bandwidth: 10MHz	709MHz ~ 711 MHz

	LTE Band 41 Channel Bandwidth: 5MHz	2498.5MHz ~ 2687.5MHz
	LTE Band 41 Channel Bandwidth: 10MHz	2501MHz ~ 2685MHz
	LTE Band 41 Channel Bandwidth: 15MHz	2503.5MHz ~ 2682.5MHz
	LTE Band 41 Channel Bandwidth: 20MHz	2506MHz ~ 2680MHz
	LTE Band 66 Channel Bandwidth: 1.4MHz	1710.7MHz ~ 1779.3MHz
	LTE Band 66 Channel Bandwidth: 3MHz	1711.5MHz ~ 1778.5MHz
	LTE Band 66 Channel Bandwidth: 5MHz	1712.5MHz ~ 1777.5MHz
	LTE Band 66 Channel Bandwidth: 10MHz	1715MHz ~ 1775MHz
	LTE Band 66 Channel Bandwidth: 15MHz	1717.5MHz ~ 1772.5MHz
	LTE Band 66 Channel Bandwidth: 20MHz	1720MHz ~ 1770MHz
	LTE Band 71 Channel Bandwidth: 5MHz	665.5MHz ~ 695.5MHz
	LTE Band 71 Channel Bandwidth: 10MHz	668MHz ~ 693MHz
	LTE Band 71 Channel Bandwidth: 15MHz	670.5MHz ~ 690.5MHz
	LTE Band 71 Channel Bandwidth: 20MHz	673MHz ~ 688MHz
MAX. EIRP POWER	**WCDMA IV**	212.32mW
	LTE Band 4 Channel Bandwidth: 1.4MHz	190.55mW
	LTE Band 4 Channel Bandwidth: 3MHz	190.55mW
	LTE Band 4 Channel Bandwidth: 5MHz	192.31mW
	LTE Band 4 Channel Bandwidth: 10MHz	190.55mW
	LTE Band 4 Channel Bandwidth: 15MHz	190.11mW
	LTE Band 4 Channel Bandwidth: 20MHz	192.75mW
	LTE Band 7 Channel Bandwidth: 5MHz	217.77mW
	LTE Band 7 Channel Bandwidth: 10MHz	218.27mW
	LTE Band 7 Channel Bandwidth: 15MHz	217.27mW

	LTE Band 7 Channel Bandwidth: 20MHz	220.29mW
	LTE Band 12 Channel Bandwidth: 1.4MHz	119.40mW
	LTE Band 12 Channel Bandwidth: 3MHz	119.40mW
	LTE Band 12 Channel Bandwidth: 5MHz	119.40mW
	LTE Band 12 Channel Bandwidth: 10MHz	119.95mW
	LTE Band 13 Channel Bandwidth: 5MHz	117.22mW
	LTE Band 13 Channel Bandwidth: 10MHz	117.49mW
	LTE Band 17 Channel Bandwidth: 5MHz	97.95mW
	LTE Band 17 Channel Bandwidth: 10MHz	99.31mW
	LTE Band 41 Channel Bandwidth: 5MHz	232.27mW
	LTE Band 41 Channel Bandwidth: 10MHz	231.21mW
	LTE Band 41 Channel Bandwidth: 15MHz	232.27mW
	LTE Band 41 Channel Bandwidth: 20MHz	235.50mW
	LTE Band 66 Channel Bandwidth: 1.4MHz	174.98mW
	LTE Band 66 Channel Bandwidth: 3MHz	173.78mW
	LTE Band 66 Channel Bandwidth: 5MHz	174.98mW
	LTE Band 66 Channel Bandwidth: 10MHz	175.39mW
	LTE Band 66 Channel Bandwidth: 15MHz	174.98mW
	LTE Band 66 Channel Bandwidth: 20MHz	175.79mW
	LTE Band 71 Channel Bandwidth: 5MHz	91.41mW
	LTE Band 71 Channel Bandwidth: 10MHz	91.41mW
	LTE Band 71 Channel Bandwidth: 15MHz	91.62mW
	LTE Band 71 Channel Bandwidth: 20MHz	91.83mW
EMISSION DESIGNATOR	**WCDMA IV**	4M15F9W
	LTE Band 7	QPSK: 4M50G7D

	Channel Bandwidth: 5MHz	16QAM: 4M51W7D
	LTE Band 7 Channel Bandwidth: 10MHz	QPSK:8M97G7D
		16QAM: 8M96W7D
	LTE Band 7 Channel Bandwidth: 15MHz	QPSK: 13M5G7D
		16QAM: 13M4W7D
	LTE Band 7 Channel Bandwidth: 20MHz	QPSK: 17M9G7D
		16QAM: 17M9W7D
	LTE Band 12 Channel Bandwidth: 1.4MHz	QPSK: 1M10G7D
		16QAM: 1M09W7D
	LTE Band 12 Channel Bandwidth: 3MHz	QPSK: 2M71G7D
		16QAM: 2M70W7D
	LTE Band 12 Channel Bandwidth: 5MHz	QPSK: 4M50G7D
		16QAM: 4M51W7D
	LTE Band 12 Channel Bandwidth: 10MHz	QPSK: 8M97G7D
		16QAM: 8M97W7D
	LTE Band 13 Channel Bandwidth: 5MHz	QPSK: 4M50G7D
		16QAM: 4M50W7D
	LTE Band 13 Channel Bandwidth: 10MHz	QPSK: 8M98G7D
		16QAM: 8M95W7D
	LTE Band 41 Channel Bandwidth: 5MHz	QPSK: 4M50G7D
		16QAM: 4M49W7D
	LTE Band 41 Channel Bandwidth: 10MHz	QPSK: 8M96G7D
		16QAM: 8M96W7D
	LTE Band 41 Channel Bandwidth: 15MH	QPSK: 13M4G7D
		16QAM: 13M4W7D
	LTE Band 41 Channel Bandwidth: 20MHz	QPSK: 17M9G7D
		16QAM: 17M9W7D
	LTE Band 66 Channel Bandwidth: 1.4MHz	QPSK: 1M10G7D
		16QAM: 1M09W7D

	LTE Band 66 Channel Bandwidth: 3MHz	QPSK: 2M70G7D
		16QAM: 2M70W7D
	LTE Band 66 Channel Bandwidth: 5MHz	QPSK: 4M50G7D
		16QAM: 4M50W7D
	LTE Band 66 Channel Bandwidth: 10MHz	QPSK: 8M97G7D
		16QAM: 8M96W7D
	LTE Band 66 Channel Bandwidth: 15MHz	QPSK: 13M4G7D
		16QAM: 13M4W7D
	LTE Band 66 Channel Bandwidth: 20MHz	QPSK: 17M9G7D
		16QAM: 17M9W7D
	LTE Band 71 Channel Bandwidth: 5MHz	QPSK: 4M50G7D
		16QAM: 4M50W7D
	LTE Band 71 Channel Bandwidth: 10MHz	QPSK: 8M96G7D
		16QAM: 8M96W7D
	LTE Band 71 Channel Bandwidth: 15MHz	QPSK: 13M4G7D
		16QAM: 13M4W7D
	LTE Band 71 Channel Bandwidth: 20MHz	QPSK: 17M9G7D
		16QAM: 17M9W7D
ANTENNA TYPE	Fixed Internal Antenna with 1 dBi gain for WCDMA IV Fixed Internal Antenna with 1 dBi gain for LTE B4/B66 Fixed Internal Antenna with 1.6 dBi gain for LTE B7 Fixed Internal Antenna with 0.1 dBi gain for LTE B12//B17/B71 Fixed Internal Antenna with 0.15 dBi gain for LTE B13 Fixed Internal Antenna with 1.5 dBi gain for LTE B41	
HW VERSION	TD191-B-1.0.0	
SW VERSION	TD191-B_JACS_V1.0.0	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	N/A	
EXTREME TEMPERATURE	-20-65 ℃	
EXTREME VOLTAGE	EUT 4.75V - EUT 5.25V	

NOTE:
1. For a more detailed features description, please refer to the manufacturer's specifications or the user's manual.

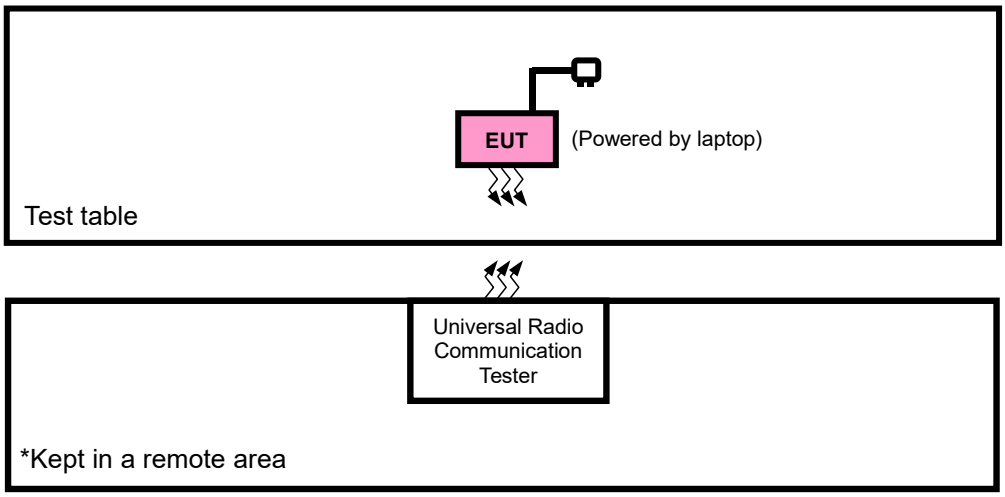
2. The EUT incorporates a SISO function. Physically, the EUT provides one completed transmitter and two receiver.

MODULATION MODE	TX FUNCTION
WCDMA	1TX/2RX
LTE	1TX/2RX

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST



2.3 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC source	Kikusui/JP	PMX18-5A	0000001	N/A
2	Laptop	Lenovo	ThinkPad E14	HRSW00024	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	N/A

2.4 TEST ITEM AND TEST CONFIGURATION

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports The worst case was found when positioned on Y-plane for EIRP and X-axis for radiated emission. Following channel(s) was (were) selected for the final test as listed below:

EUT CONFIGURE MODE	DESCRIPTION
A	EUT +WCDMA/LTE(powered by Laptop）
B	EUT + DC source with WCDMA or LTE link

WCDMA MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	MODE
A	EIRP	1312 to 1513	1312, 1413, 1513	WCDMA
B	FREQUENCY STABILITY	1312 to 1513	1312, 1413,1513	WCDMA
A	OCCUPIED BANDWIDTH	1312 to 1513	1312, 1413, 1513	WCDMA
A	BAND EDGE	1312 to 1513	1312, 1513	WCDMA
A	PEAK TO AVERAGE RATIO	1312 to 1513	1312, 1413, 1513	WCDMA
A	CONDCUDETED EMISSION	1312 to 1513	1312, 1413, 1513	WCDMA
A	RADIATED EMISSION	1312 to 1513	1312, 1413, 1513	WCDMA

LTE BAND 4 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY (See Note 2)	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK,16QAM	Full RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK,16QAM	Full RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK,16QAM	Full RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK,16QAM	Full RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK,16QAM	Full RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK,16QAM	Full RB / 0 RB Offset
A	OCCUPIED BANDWIDTH (See Note 2)	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	Full RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO (See Note 2)	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
A	BAND EDGE (See Note 2)	19957 to 20393	19957	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
			20393	1.4MHz	QPSK, 16QAM	1 RB / 5 RB Offset Full RB / 0 RB Offset
		19965 to 20385	19965	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
			20385	3MHz	QPSK, 16QAM	1 RB / 14 RB Offset Full RB / 0 RB Offset
		19975 to 20375	19975	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
			20375	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset Full RB / 0 RB Offset
		20000 to 20350	20000	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
			20350	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset Full RB / 0 RB Offset

A	BAND EDGE （See Note 2）	20025 to 20325	20025	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			20325	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset
						Full RB / 0 RB Offset
		20050 to 20300	20050	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			20300	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset
						Full RB / 0 RB Offset
A	CONDCUDETED EMISSION （See Note 2）	19957 to 20393	19957, 20175, 20393	1.4MHz	QPSK,16QAM	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK,16QAM	1 RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK,16QAM	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK,16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION （See Note 2）	19957 to 20393	20175	1.4MHz	QPSK	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK	1 RB / 0 RB Offset
		19975 to 20375	20175	5MHz	QPSK	1 RB / 0 RB Offset
		20000 to 20350	20175	10MHz	QPSK	1 RB / 0 RB Offset
		20025 to 20325	20175	15MHz	QPSK	1 RB / 0 RB Offset
		20050 to 20300	20175	20MHz	QPSK	1 RB / 0 RB Offset

Note: 1、This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2、 The Band 4 is included in the range of Band 66 ,the test data please refer to Band 66.

LTE BAND 7 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB / 0RB Offset
		20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	Full RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	Full RB / 0 RB Offset
A	BAND EDGE	20775 to 21425	20775	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			21425	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset
						Full RB / 0 RB Offset
		20800 to 21400	20800	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			21400	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset
						Full RB / 0 RB Offset
		20825 to 21375	20825	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			21375	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset
						Full RB / 0 RB Offset
		20850 to 21350	20850	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			21350	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset
						Full RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
		20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
		20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
A	CONDCUDE TED EMISSION	20775 to 21425	20775, 21100, 21425	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20800 to 21400	20800, 21100, 21400	10MHz	QPSK, 16QAM	1 RB / 0RB Offset
		20825 to 21375	20825, 21100, 21375	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		20850 to 21350	20850, 21100, 21350	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	20775 to 21425	21100	5MHz	QPSK	1 RB / 0 RB Offset
		20800 to 21400	21100	10MHz	QPSK	1 RB / 0 RB Offset
		20825 to 21375	21100	15MHz	QPSK	1 RB / 0 RB Offset
		20850 to 21350	20850,21100,21350	20MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

LTE BAND 12 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	ERP	23017 to 23173	23017, 23095 , 23173	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		23025 to 23165	23025, 23095 ,23165	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		23035 to 23155	23035, 23095 ,23155	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		23060 to 23130	23060, 23095 ,23130	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	23017 to 23173	23017, 23095 , 23173	1.4MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		23025 to 23165	23025, 23095 ,23165	3MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		23035 to 23155	23035, 23095 ,23155	5MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		23060 to 23130	23060, 23095 ,23130	10MHz	QPSK, 16QAM	Full RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	23017 to 23173	23017, 23095 , 23173	1.4MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		23025 to 23165	23025, 23095 ,23165	3MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		23035 to 23155	23035, 23095 ,23155	5MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		23060 to 23130	23060, 23095 ,23130	10MHz	QPSK, 16QAM	Full RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	23017 to 23173	23017, 23095 , 23173	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
		23025 to 23165	23025, 23095 ,23165	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
		23035 to 23155	23035, 23095 ,23155	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
		23060 to 23130	23060, 23095 ,23130	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
A	BAND EDGE	23017 to 23173	23017	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
			23173	1.4MHz	QPSK, 16QAM	1 RB / 5 RB Offset Full RB / 0 RB Offset
		23025 to 23165	23025	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
			23165	3MHz	QPSK, 16QAM	1 RB / 14 RB Offset Full RB / 0 RB Offset
		23035 to 23155	23035	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
			23155	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset Full RB / 0 RB Offset
		23060 to 23130	23060	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset Full RB / 0 RB Offset
			23130	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset Full RB / 0 RB Offset
A	CONDCUDETED EMISSION	23017 to 23173	23017, 23095 , 23173	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		23025 to 23165	23025, 23095 ,23165	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		23035 to 23155	23035, 23095 ,23155	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		23060 to 23130	23060, 23095 ,23130	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	23017 to 23173	23017, 23095 ,23173	1.4MHz	QPSK	1 RB / 0 RB Offset
		23025 to 23165	23095	3MHz	QPSK	1 RB / 0 RB Offset
		23035 to 23155	23095	5MHz	QPSK	1 RB / 0 RB Offset
		23060 to 23130	23095	10MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

LTE BAND 13 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	ERP	23205 to 23255	20025, 20175, 20325	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
		23230	23230	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	23205 to 23255	20025, 20325	1.4MHz	QPSK	1 RB / 0 RB Offset
		23230	23230	10MHz	QPSK	1 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	23205 to 23255	20025, 20175, 20325	5MHz	QPSK,16QAM	Full RB / 0 RB Offset
		23230	23230	10MHz	QPSK,16QAM	Full RB / 0 RB Offse
A	BAND EDGE	23205 to 23255	23250	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offse
			23255	5MHz	QPSK,16QAM	1 RB / 24 RB Offset
						Full RB / 0 RB Offse
		23230	23230	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offse
				10MHz	QPSK,16QAM	1 RB / 49 RB Offset
						Full RB / 0 RB Offse
A	CONDCUDETED EMISSION	23205 to 23255	20025, 20175, 20325	5MHz	QPSK	1 RB / 0 RB Offset
		23230	23230	10MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	23205 to 23255	20025, 20175, 20325	5MHz	QPSK	1 RB / 0 RB Offset
		23230	23230	10MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

LTE BAND 17 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	ERP	23755 to 23825	23755, 23790, 23825	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
		23780 to 23800	23780, 23790, 23800	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY （See Note 2）	23755 to 23825	23755, 23825	5MHz	QPSK	1 RB / 0 RB Offset
		23780 to 23800	23780, 23800	10MHz	QPSK	1 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH （See Note 2）	23755 to 23825	23755, 23790, 23825	5MHz	QPSK,16QAM	Full RB / 0 RB Offse
		23780 to 23800	23780, 23790, 23800	10MHz	QPSK,16QAM	Full RB / 0 RB Offse
A	BAND EDGE （See Note 2）	23755 to 23825	23755	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offse
			23825	5MHz	QPSK,16QAM	1 RB / 24 RB Offset
						Full RB / 0 RB Offse
		23780 to 23800	23780	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offse
			23800	10MHz	QPSK,16QAM	1 RB / 49 RB Offset
						Full RB / 0 RB Offse
A	CONDCUDETED EMISSION （See Note 2）	23755 to 23825	23755, 23790, 23825	5MHz	QPSK	1 RB / 0 RB Offset
		23780 to 23800	23780, 23790, 23800	10MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION （See Note 2）	23755 to 23825	23790	5MHz	QPSK	1 RB / 0 RB Offset
		23780 to 23800	23780, 23790, 23800	10MHz	QPSK	1 RB / 0 RB Offset

Note: 1、This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

2、The Band 17 is included in the range of Band 12 ,the test data please refer to Band 12.

LTE BAND 41 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	1 RB / 0RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	39675 to 41565	39675, 41565	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	39700, 41540	10MHz	QPSK	1 RB / 0RB Offset
		39725 to 41515	39725, 41515	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	39750, 41490	20MHz	QPSK	1 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	Full RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	Full RB / 0 RB Offset
A	BAND EDGE	39675 to 41565	39675	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			41565	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset
						Full RB / 0 RB Offset
		39700 to 41540	39700	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			41540	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset
						Full RB / 0 RB Offset
		39725 to 41515	39725	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			41515	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset
						Full RB / 0 RB Offset
		39750 to 41490	39750	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			41490	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset
						Full RB / 0 RB Offset
A	CONDCUDETED EMISSION	39675 to 41565	39675, 40620, 41565	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK	1 RB / 0RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	39675 to 41565	40620	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	40620	10MHz	QPSK	1 RB / 0RB Offset
		39725 to 41515	40620	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

LTE BAND 66 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	131979 to 132665	131979,132322,132665	1.4MHz	QPSK,16QAM	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK,16QAM	1 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK,16QAM	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK,16QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	131979 to 132665	131979,132665	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	131987,132657	3MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	131997,132647	5MHz	QPSK	1 RB / 0 RB Offset
		132022 to 132622	132022,132622	10MHz	QPSK	1 RB / 0 RB Offset
		132047 to 132597	132047,132597	15MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132072,132572	20MHz	QPSK	1 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	131979 to 132665	131979,132322,132665	1.4MHz	QPSK,16QAM	Full RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK,16QAM	Full RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK,16QAM	Full RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK,16QAM	Full RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK,16QAM	Full RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK,16QAM	Full RB / 0 RB Offset
A	BAND EDGE	131979 to 132322	131979	1.4MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			132322	1.4MHz	QPSK,16QAM	1 RB / 5 RB Offset
						Full RB / 0 RB Offset
		131987 to 132657	131987	3MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			132657	3MHz	QPSK,16QAM	1 RB / 14 RB Offset
						Full RB / 0 RB Offset
		131987 to 132657	131987	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			132657	5MHz	QPSK,16QAM	1 RB / 24 RB Offset
						Full RB / 0 RB Offset
		131997 to 132647	131997	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			132647	10MHz	QPSK,16QAM	1 RB / 49 RB Offset
						Full RB / 0 RB Offset
		132047 to 132597	132047	15MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			132597	15MHz	QPSK,16QAM	1 RB / 74 RB Offset
						Full RB / 0 RB Offset
		132072 to 132572	132072	20MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			132572	20MHz	QPSK,16QAM	1 RB / 99 RB Offset
						Full RB / 0 RB Offset
A	CONDCUDETED EMISSION	131979 to 132665	131979,132322,132665	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK	1 RB / 0 RB Offset

		131997 to 132647	131997,132322,132647	5MHz	QPSK	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK	1 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	131979 to 132665	132322	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	132322	5MHz	QPSK	1 RB / 0 RB Offset
		132022 to 132622	132322	10MHz	QPSK	1 RB / 0 RB Offset
		132047 to 132597	132322	15MHz	QPSK	1 RB / 0 RB Offset
		132072 to 132572	132322	20MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

LTE BAND 71 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	ERP	133147 to 133447	133147, 133247, 133447	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
		133172 to 133172	133172, 133272, 133172	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
		133197 to 133397	133197, 133297, 133397	15MHz	QPSK,16QAM	1 RB / 0 RB Offset
		133222 to 133372	133222, 133322, 133372	20MHz	QPSK,16QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	133147 to 133447	133147, 133447	5MHz	QPSK	1 RB / 0 RB Offset
		133172 to 133172	133172, 133172	10MHz	QPSK	1 RB / 0 RB Offset
		133197 to 133397	133197, 133397	15MHz	QPSK	1 RB / 0 RB Offset
		133222 to 133372	133222, 133372	20MHz	QPSK	1 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	133147 to 133447	133147, 133247, 133447	5MHz	QPSK,16QAM	Full RB / 0 RB Offset
		133172 to 133172	133172, 133272, 133172	10MHz	QPSK,16QAM	Full RB / 0 RB Offset
		133197 to 133397	133197, 133297, 133397	15MHz	QPSK,16QAM	Full RB / 0 RB Offset
		133222 to 133372	133222, 133322, 133372	20MHz	QPSK,16QAM	Full RB / 0 RB Offset
A	BAND EDGE	133147 to 133447	133147	5MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			133447	5MHz	QPSK,16QAM	1 RB / 24 RB Offset
						Full RB / 0 RB Offset
		133172 to 133172	133172	10MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			133172	10MHz	QPSK,16QAM	1 RB / 49 RB Offset
						Full RB / 0 RB Offset
		133197 to 133397	133197	15MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			133397	15MHz	QPSK,16QAM	1 RB / 74 RB Offset
						Full RB / 0 RB Offset
		133222 to 133372	133222	20MHz	QPSK,16QAM	1 RB / 0 RB Offset
						Full RB / 0 RB Offset
			133372	20MHz	QPSK,16QAM	1 RB / 99 RB Offset
						Full RB / 0 RB Offset
A	CONDCUDETED EMISSION	133147 to 133447	133147, 133247, 133447	5MHz	QPSK	1 RB / 0 RB Offset
		133172 to 133172	133172, 133272, 133172	10MHz	QPSK	1 RB / 0 RB Offset
		133197 to 133397	133197, 133297, 133397	15MHz	QPSK	1 RB / 0 RB Offset
		133222 to 133372	133222, 133322, 133372	20MHz	QPSK	1 RB / 0 RB Offset
A	RADIATED EMISSION	133147 to 133447	133247	5MHz	QPSK	1 RB / 0 RB Offset
		133172 to 133172	133272	10MHz	QPSK	1 RB / 0 RB Offset
		133197 to 133397	133197,133297,133397	15MHz	QPSK	1 RB / 0 RB Offset
		133222 to 133372	133322	20MHz	QPSK	1 RB / 0 RB Offset

Note: This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in QPSK modulation.

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP&EIRP	23deg. C, 53%RH	EUT 5.0V	Walker Ye
FREQUENCY STABILITY	23deg. C, 53%RH	EUT 5.0V	Walker Ye
OCCUPIED BANDWIDTH	23deg. C, 53%RH	EUT 5.0V	Walker Ye
BAND EDGE	23deg. C, 53%RH	EUT 5.0V	Walker Ye
CONDCUDETED EMISSION	23deg. C, 53%RH	EUT 5.0V	Walker Ye
RADIATED EMISSION	23deg. C, 53%RH	EUT 5.0V	Gavin Guo
PEAK TO AVERAGE RATIO	23deg. C, 53%RH	EUT 5.0V	Walker Ye

2.5 GENERAL DESCRIPTION OF APPLIED STANDARDS

The EUT is a RF product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards:

FCC 47 CFR Part 2

FCC 47 CFR Part 27

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI/TIA/EIA-603-D

ANSI/TIA/EIA-603-E

ANSI C63.26-2015

NOTE: All test items have been performed and recorded as per the above standards.

3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

For LTE Band 7/41

The radiated peak output power shall be according to the specific rule Part 27.50(h)(2) that “User stations are limited to 2 watts” and 27.50(i) specific that “Peak transmit power must be measure over any interval of continuous transmission using instrumentation calibration in terms of rms-equivalent voltage.”

For LTE Band 4/66

Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP

For LTE Band 12/13/17/71

According to the specific rule Part 27.50(b)(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP.

According to the specific rule Part 27.50(c)(10),Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

3.1.2 TEST PROCEDURES

EIRP MEASUREMENT:

Per KDB 971168 D01 Power Meas License Digital Systems v03r01 or subclause 5.2.5.5 of ANSI C63.26-2015, the relevant equation for determing the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

ERP or EIRP = $P_{Meas} + G_T – L_C$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

G_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

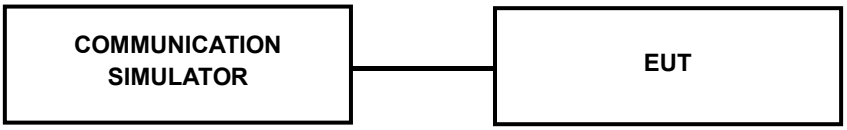
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

a. The EUT was set up for the maximum power with LTE link data modulation and link up with simulator.
b. Set the EUT to transmit under low, middle and high channel and record the power level shown on simulator.

3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.1.4 TEST RESULTS

AVERAGE CONDUCTED OUTPUT POWER (dBm)

Band	WCDMA IV			Max. Tune-up Power
Channel	1312	1413	1513	
Frequency (MHz)	1712.4	1732.6	1752.6	
RMC 12.2K	21.67	21.74	**22.27**	23.0
HSDPA Subtest-1	20.85	20.63	21.10	22.0
HSDPA Subtest-2	20.76	20.59	21.10	22.0
HSDPA Subtest-3	20.09	19.98	20.87	21.5
HSDPA Subtest-4	20.18	20.03	20.68	21.5
DC-HSDPA Subtest-1	20.75	20.60	21.01	22.0
DC-HSDPA Subtest-2	20.73	20.55	21.12	22.0
DC-HSDPA Subtest-3	20.02	19.95	20.79	21.5
DC-HSDPA Subtest-4	20.20	20.03	20.76	21.5
HSUPA Subtest-1	20.86	20.67	21.13	22.0
HSUPA Subtest-2	18.65	18.65	19.25	20.0
HSUPA Subtest-3	19.65	19.70	20.22	21.0
HSUPA Subtest-4	18.72	18.75	19.39	20.0
HSUPA Subtest-5	20.64	20.60	21.05	22.0

LTE Band 4

Band/BW	Modulation	RB Size	RB Offset	Low CH 19957 Frequency 1710.7 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20393 Frequency 1754.3 MHz	MPR
4/ 1.4	QPSK	1	0	21.28	21.64	21.80	0
		1	2	21.31	21.53	21.79	0
		1	5	21.19	21.37	21.73	0
		3	0	21.16	21.36	21.66	0
		3	1	20.95	21.21	21.43	0
		3	3	20.95	21.09	21.39	0
		6	0	20.08	20.28	20.50	1
	16QAM	1	0	19.94	20.14	20.48	1
		1	2	20.08	20.30	20.64	1
		1	5	19.91	19.99	20.51	1
		3	0	20.09	20.41	20.63	1
		3	1	19.84	20.18	20.42	1
		3	3	19.94	20.10	20.36	1
		6	0	19.00	19.40	19.56	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 19965 Frequency 1711.5 MHz	Mid CH 20175 Frequency 1732.5 MHz	High CH 20385 Frequency 1753.5 MHz	MPR
4/ 3	QPSK	1	0	21.30	21.61	21.80	0
		1	7	21.27	21.54	21.79	0
		1	14	21.13	21.42	21.72	0
		8	0	20.14	20.43	20.66	1
		8	3	19.92	20.18	20.43	1
		8	7	19.92	20.16	20.43	1
		15	0	20.04	20.29	20.48	1
	16QAM	1	0	19.97	20.13	20.52	1
		1	7	20.02	20.34	20.61	1
		1	14	19.93	20.01	20.50	1
		8	0	19.11	19.39	19.63	2
		8	3	18.86	19.11	19.45	2
		8	7	18.97	19.13	19.29	2
		15	0	19.01	19.34	19.55	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 19975	Mid CH 20175	High CH 20375	MPR
				Frequency 1712.5 MHz	Frequency 1732.5 MHz	Frequency 1752.5 MHz	
4/ 5	QPSK	1	0	21.31	21.60	21.84	0
		1	12	21.30	21.54	21.76	0
		1	24	21.13	21.43	21.73	0
		12	0	20.18	20.39	20.67	1
		12	6	19.90	20.21	20.46	1
		12	13	19.93	20.12	20.43	1
		25	0	20.01	20.32	20.47	1
	16QAM	1	0	19.97	20.13	20.51	1
		1	12	20.02	20.32	20.58	1
		1	24	19.90	20.05	20.46	1
		12	0	19.06	19.41	19.66	2
		12	6	18.86	19.12	19.42	2
		12	13	18.91	19.10	19.35	2
		25	0	18.98	19.40	19.55	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 20000	Mid CH 20175	High CH 20350	MPR
				Frequency 1715 MHz	Frequency 1732.5 MHz	Frequency 1750 MHz	
4/ 10	QPSK	1	0	21.28	21.64	21.80	0
		1	24	21.31	21.53	21.79	0
		1	49	21.19	21.37	21.73	0
		25	0	20.16	20.36	20.66	1
		25	12	19.95	20.21	20.43	1
		25	25	19.93	20.09	20.39	1
		50	0	20.06	20.28	20.50	1
	16QAM	1	0	19.97	20.14	20.48	1
		1	24	20.04	20.30	20.64	1
		1	49	19.94	19.99	20.51	1
		25	0	19.05	19.42	19.63	2
		25	12	18.90	19.11	19.46	2
		25	25	18.90	19.11	19.32	2
		50	0	19.03	19.36	19.59	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 20025	Mid CH 20175	High CH 20325	MPR
				Frequency 1717.5 MHz	Frequency 1732.5 MHz	Frequency 1747.5 MHz	
4/ 15	QPSK	1	0	21.32	21.65	21.79	0
		1	37	21.32	21.58	21.77	0
		1	74	21.15	21.39	21.77	0
		36	0	20.21	20.42	20.63	1
		36	19	19.88	20.16	20.49	1
		36	39	19.99	20.13	20.42	1
		75	0	20.06	20.33	20.46	1
	16QAM	1	0	19.95	20.16	20.51	1
		1	37	20.04	20.36	20.63	1
		1	74	19.94	19.99	20.51	1
		36	0	19.05	19.42	19.63	2
		36	19	18.89	19.13	19.45	2
		36	39	18.97	19.10	19.29	2
		75	0	19.00	19.39	19.57	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 20050	Mid CH 20175	High CH 20300	MPR
				Frequency 1720 MHz	Frequency 1732.5 MHz	Frequency 1745 MHz	
4/ 20	QPSK	1	0	21.36	21.68	**21.85**	0
		1	50	21.34	21.59	21.81	0
		1	99	21.21	21.44	21.78	0
		50	0	20.22	20.44	20.68	1
		50	25	19.96	20.23	20.51	1
		50	50	20.00	20.17	20.45	1
		100	0	20.09	20.34	20.52	1
	16QAM	1	0	19.99	20.21	20.53	1
		1	50	20.10	20.38	20.66	1
		1	99	19.96	20.07	20.52	1
		50	0	19.13	19.46	19.68	2
		50	25	18.92	19.19	19.47	2
		50	50	18.98	19.15	19.37	2
		100	0	19.06	19.42	19.61	2

LTE Band 7

Band/BW	Modulation	RB Size	RB Offset	Low CH 20775 Frequency 2502.5 MHz	Mid CH 21100 Frequency 2535 MHz	High CH 21425 Frequency 2567.5 MHz	MPR
7/ 5	QPSK	1	0	21.25	21.55	21.25	0
		1	12	21.43	21.73	21.59	0
		1	24	21.48	21.78	21.66	0
		12	0	19.96	20.26	20.08	1
		12	6	19.88	20.18	20.11	1
		12	13	19.82	20.12	20.03	1
		25	0	19.86	20.16	20.01	1
	16QAM	1	0	20.28	20.58	20.49	1
		1	12	20.06	20.36	20.21	1
		1	24	19.82	20.12	20.00	1
		12	0	18.93	19.23	19.05	2
		12	6	19.08	19.38	19.31	2
		12	13	18.93	19.23	18.93	2
		25	0	18.93	19.23	19.07	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 20800 Frequency 2505 MHz	Mid CH 21100 Frequency 2535 MHz	High CH 21400 Frequency 2565 MHz	MPR
7/ 10	QPSK	1	0	21.23	21.52	21.28	0
		1	24	21.49	21.66	21.63	0
		1	49	21.44	21.79	21.62	0
		25	0	20.00	20.20	20.12	1
		25	12	19.87	20.19	20.08	1
		25	25	19.87	20.08	20.06	1
		50	0	19.86	20.17	19.98	1
	16QAM	1	0	20.30	20.56	20.55	1
		1	24	20.11	20.36	20.19	1
		1	49	19.84	20.09	19.96	1
		25	0	18.98	19.24	19.08	2
		25	12	19.13	19.35	19.32	2
		25	25	18.93	19.21	18.94	2
		50	0	18.99	19.16	19.08	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 20825 Frequency 2507.5 MHz	Mid CH 21100 Frequency 2535 MHz	High CH 21375 Frequency 2562.5 MHz	MPR
7/ 15	QPSK	1	0	21.28	21.58	21.22	0
		1	37	21.44	21.66	21.58	0
		1	74	21.49	21.77	21.65	0
		36	0	20.00	20.21	20.08	1
		36	19	19.89	20.15	20.11	1
		36	39	19.88	20.06	20.07	1
		75	0	19.80	20.20	19.98	1
	16QAM	1	0	20.34	20.56	20.56	1
		1	37	20.04	20.34	20.22	1
		1	74	19.86	20.11	20.00	1
		36	0	18.97	19.23	19.05	2
		36	19	19.09	19.35	19.31	2
		36	39	19.00	19.23	18.91	2
		75	0	18.96	19.16	19.03	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 20850 Frequency 2510 MHz	Mid CH 21100 Frequency 2535 MHz	High CH 21350 Frequency 2560 MHz	MPR
7/ 20	QPSK	1	0	21.29	21.60	21.30	0
		1	50	21.51	21.74	21.64	0
		1	99	21.52	**21.83**	21.67	0
		50	0	20.02	20.28	20.13	1
		50	25	19.95	20.23	20.13	1
		50	50	19.90	20.14	20.08	1
		100	0	19.88	20.24	20.03	1
	16QAM	1	0	20.36	20.64	20.57	1
		1	50	20.12	20.38	20.27	1
		1	99	19.89	20.17	20.02	1
		50	0	18.99	19.30	19.10	2
		50	25	19.15	19.43	19.33	2
		50	50	19.01	19.25	18.99	2
		100	0	19.01	19.24	19.09	2

LTE Band 12

Band/BW	Modulation	RB Size	RB Offset	Low CH 23017	Mid CH 23095	High CH 23173	MPR
				Frequency 699.7 MHz	Frequency 707.5 MHz	Frequency 715.3 MHz	
12/ 1.4	QPSK	1	0	22.35	22.35	22.64	0
		1	2	22.57	22.35	22.82	0
		1	5	22.18	21.98	22.43	0
		3	0	22.40	22.30	22.69	0
		3	1	22.41	22.49	22.56	0
		3	3	22.27	22.15	22.54	0
		6	0	21.37	21.31	21.60	1
	16QAM	1	0	21.04	21.00	21.37	1
		1	2	21.16	21.12	21.45	1
		1	5	21.01	20.79	21.32	1
		3	0	21.40	21.38	21.61	1
		3	1	21.34	21.52	21.63	1
		3	3	21.26	21.24	21.65	1
		6	0	20.41	20.43	20.68	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 23025	Mid CH 23095	High CH 23165	MPR
				Frequency 700.5 MHz	Frequency 707.5 MHz	Frequency 714.5 MHz	
12/ 3	QPSK	1	0	22.37	22.37	22.63	0
		1	7	22.53	22.36	22.82	0
		1	14	22.14	21.98	22.43	0
		8	0	21.39	21.33	21.69	1
		8	3	21.34	21.49	21.58	1
		8	7	21.24	21.22	21.58	1
		15	0	21.34	21.32	21.54	1
	16QAM	1	0	21.01	21.06	21.40	1
		1	7	21.13	21.15	21.43	1
		1	14	21.04	20.79	21.32	1
		8	0	20.36	20.39	20.61	2
		8	3	20.39	20.47	20.66	2
		8	7	20.28	20.22	20.61	2
		15	0	20.41	20.37	20.71	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 23035	Mid CH 23095	High CH 23155	MPR
				Frequency 701.5 MHz	Frequency 707.5 MHz	Frequency 713.5 MHz	
12/ 5	QPSK	1	0	22.38	22.32	22.64	0
		1	12	22.58	22.33	22.82	0
		1	24	22.15	21.97	22.47	0
		12	0	21.42	21.33	21.66	1
		12	6	21.34	21.50	21.59	1
		12	13	21.28	21.18	21.59	1
		25	0	21.32	21.35	21.57	1
	16QAM	1	0	21.02	21.02	21.40	1
		1	12	21.10	21.18	21.42	1
		1	24	21.04	20.79	21.31	1
		12	0	20.36	20.37	20.58	2
		12	6	20.36	20.51	20.62	2
		12	13	20.23	20.24	20.64	2
		25	0	20.41	20.38	20.68	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 23060	Mid CH 23095	High CH 23130	MPR
				Frequency 704 MHz	Frequency 707.5 MHz	Frequency 711 MHz	
12/ 10	QPSK	1	0	22.43	22.39	22.69	0
		1	24	22.60	22.41	**22.84**	0
		1	49	22.20	22.05	22.48	0
		25	0	21.46	21.38	21.71	1
		25	12	21.42	21.51	21.64	1
		25	25	21.32	21.23	21.60	1
		50	0	21.38	21.37	21.62	1
	16QAM	1	0	21.09	21.07	21.42	1
		1	24	21.18	21.20	21.47	1
		1	49	21.06	20.87	21.33	1
		25	0	20.44	20.43	20.66	2
		25	12	20.42	20.53	20.68	2
		25	25	20.30	20.29	20.66	2
		50	0	20.47	20.45	20.73	2

LTE Band 13

Band/BW	Modulation	RB Size	RB Offset	Low CH 23205 Frequency 779.5 MHz	Mid CH 23230 Frequency 782.0 MHz	High CH 23255 Frequency 784.5 MHz	MPR
13/ 5	QPSK	1	0	22.47	22.51	22.50	0
		1	12	22.68	22.62	22.69	0
		1	24	22.56	22.60	22.59	0
		12	0	21.57	21.54	21.58	1
		12	6	21.57	21.52	21.54	1
		12	13	21.36	21.34	21.40	1
		25	0	21.66	21.65	21.59	1
	16QAM	1	0	21.17	21.16	21.18	1
		1	12	21.42	21.39	21.43	1
		1	24	21.23	21.18	21.20	1
		12	0	20.44	20.42	20.48	2
		12	6	20.46	20.40	20.47	2
		12	13	20.24	20.28	20.27	2
		25	0	20.39	20.33	20.40	2

Band/BW	Modulation	RB Size	RB Offset	/ /	Mid CH 23230 Frequency 782.0 MHz	/ /	MPR
13/ 10	QPSK	1	0	/	22.55	/	0
		1	24	/	**22.70**	/	0
		1	49	/	22.64	/	0
		25	0	/	21.60	/	1
		25	12	/	21.59	/	1
		25	25	/	21.42	/	1
		50	0	/	21.67	/	1
	16QAM	1	0	/	21.24	/	1
		1	24	/	21.45	/	1
		1	49	/	21.25	/	1
		25	0	/	20.50	/	2
		25	12	/	20.48	/	2
		25	25	/	20.32	/	2
		50	0	/	20.41	/	2

LTE Band 17

Band/BW	Modulation	RB Size	RB Offset	Low CH 23755 Frequency 706.5 MHz	Mid CH 23790 Frequency 710 MHz	High CH 23825 Frequency 713.5 MHz	MPR
17/ 5	QPSK	1	0	21.93	21.80	21.84	0
		1	12	21.96	21.95	21.71	0
		1	24	21.74	21.71	21.71	0
		12	0	20.53	20.66	20.42	1
		12	6	20.80	20.45	20.57	1
		12	13	20.60	20.57	20.37	1
		25	0	20.54	20.56	20.30	1
	16QAM	1	0	20.59	20.56	20.56	1
		1	12	20.56	20.41	20.37	1
		1	24	20.56	20.53	20.53	1
		12	0	19.66	19.79	19.51	2
		12	6	19.60	19.77	19.61	2
		12	13	19.88	19.73	19.49	2
		25	0	19.57	19.74	19.58	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 23780 Frequency 709 MHz	Mid CH 23790 Frequency 710 MHz	High CH 23800 Frequency 711 MHz	MPR
17/ 10	QPSK	1	0	21.97	21.85	21.85	0
		1	24	**22.02**	21.97	21.76	0
		1	49	21.81	21.76	21.73	0
		25	0	20.61	20.68	20.47	1
		25	12	20.82	20.53	20.59	1
		25	25	20.68	20.63	20.45	1
		50	0	20.60	20.58	20.36	1
	16QAM	1	0	20.66	20.61	20.58	1
		1	24	20.62	20.48	20.42	1
		1	49	20.63	20.58	20.55	1
		25	0	19.74	19.81	19.57	2
		25	12	19.68	19.78	19.63	2
		25	25	19.92	19.78	19.57	2
		50	0	19.65	19.75	19.60	2

LTE Band 41

Band/BW	Modulation	RB Size	RB Offset	Low CH (39675) Frequency (2498.5)MHz	Mid CH (40620) Frequency (2593)MHz	High CH (41565) Frequency (2687.5)MHz	MPR
41/ 5	QPSK	1	0	21.88	21.77	22.11	0
		1	12	21.79	21.78	22.08	0
		1	24	21.91	21.98	22.16	0
		12	0	20.67	20.78	21.06	1
		12	6	20.72	20.73	20.95	1
		12	13	20.74	20.95	21.17	1
		25	0	20.79	20.80	21.14	1
	16QAM	1	0	20.94	21.01	21.35	1
		1	12	20.38	20.51	20.81	1
		1	24	20.34	20.43	20.67	1
		12	0	19.80	19.85	20.29	2
		12	6	19.75	19.84	20.18	2
		12	13	19.93	20.08	20.40	2
		25	0	19.91	19.82	20.26	2

Band/BW	Modulation	RB Size	RB Offset	Low CH (39700) Frequency (2501)MHz	Mid CH (40620) Frequency (2593)MHz	High CH (41540) Frequency (2685)MHz	MPR
41/ 10	QPSK	1	0	21.85	21.77	22.09	0
		1	24	21.79	21.79	22.13	0
		1	49	21.88	21.94	22.14	0
		25	0	20.68	20.81	21.10	1
		25	12	20.78	20.73	21.01	1
		25	25	20.72	20.94	21.18	1
		50	0	20.84	20.77	21.14	1
	16QAM	1	0	20.94	20.97	21.35	1
		1	24	20.43	20.54	20.80	1
		1	49	20.34	20.40	20.64	1
		25	0	19.82	19.91	20.25	2
		25	12	19.79	19.89	20.17	2
		25	25	19.92	20.05	20.35	2
		50	0	19.95	19.86	20.19	2

Band/BW	Modulation	RB Size	RB Offset	Low CH (39725) Frequency (2503.5)MHz	Mid CH (40620) Frequency (2593)MHz	High CH (41515) Frequency (2682.5)MHz	MPR
41/ 15	QPSK	1	0	21.92	21.74	22.11	0
		1	37	21.77	21.74	22.13	0
		1	74	21.94	21.95	22.16	0
		36	0	20.65	20.82	21.12	1
		36	19	20.79	20.73	20.96	1
		36	39	20.70	20.94	21.21	1
		75	0	20.84	20.82	21.11	1
	16QAM	1	0	20.98	20.97	21.38	1
		1	37	20.42	20.54	20.75	1
		1	74	20.30	20.42	20.68	1
		36	0	19.86	19.92	20.30	2
		36	19	19.73	19.85	20.18	2
		36	39	19.97	20.08	20.40	2
		75	0	19.96	19.79	20.21	2

Band/BW	Modulation	RB Size	RB Offset	Low CH (39750) Frequency (2506)MHz	Mid CH (40620) Frequency (2593)MHz	High CH (41490) Frequency (2680)MHz	MPR
41/ 20	QPSK	1	0	21.93	21.82	22.17	0
		1	50	21.81	21.80	22.15	0
		1	99	21.96	21.99	22.22	0
		50	0	20.71	20.83	21.13	1
		50	25	20.80	20.78	21.03	1
		50	50	20.78	20.96	21.23	1
		100	0	20.85	20.85	21.16	1
	16QAM	1	0	21.01	21.03	21.40	1
		1	50	20.46	20.56	20.82	1
		1	99	20.36	20.45	20.72	1
		50	0	19.88	19.93	20.31	2
		50	25	19.81	19.90	20.23	2
		50	50	20.00	20.10	20.42	2
		100	0	19.97	19.87	20.27	2

LTE Band 66

Band/BW	Modulation	RB Size	RB Offset	Low CH 131979 Frequency 1710.7MHz	Mid CH 132322 Frequency 1745MHz	High CH 132665 Frequency 1779.3MHz	MPR
66/ 1.4	QPSK	1	0	20.39	21.01	21.15	0
		1	2	20.68	21.17	21.43	0
		1	5	20.44	20.87	21.17	0
		3	0	20.31	20.79	21.11	0
		3	1	20.43	21.05	21.07	0
		3	3	20.28	20.87	21.04	0
		6	0	19.47	19.93	20.09	1
	16QAM	1	0	19.37	19.92	20.18	1
		1	2	19.51	19.98	20.24	1
		1	5	19.24	19.55	19.99	1
		3	0	19.35	19.87	20.01	1
		3	1	19.54	20.07	20.29	1
		3	3	19.57	19.90	20.19	1
		6	0	18.48	18.95	19.29	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 131987 Frequency 1711.5MHz	Mid CH 132322 Frequency 1745MHz	High CH 132657 Frequency 1778.5MHz	MPR
66/ 3	QPSK	1	0	20.41	21.00	21.19	0
		1	7	20.70	21.21	21.40	0
		1	14	20.38	20.87	21.20	0
		8	0	19.36	19.83	20.10	1
		8	3	19.41	20.06	20.09	1
		8	7	19.29	19.90	20.08	1
		15	0	19.42	19.97	20.08	1
	16QAM	1	0	19.40	19.91	20.22	1
		1	7	19.45	20.02	20.21	1
		1	14	19.26	19.57	19.98	1
		8	0	18.38	18.87	18.98	2
		8	3	18.56	19.05	19.30	2
		8	7	18.59	18.88	19.15	2
		15	0	18.48	18.89	19.32	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 131997 Frequency 1712.5MHz	Mid CH 132322 Frequency 1745MHz	High CH 132647 Frequency 1777.5MHz	MPR
66/ 5	QPSK	1	0	20.42	20.98	21.15	0
		1	12	20.69	21.15	21.43	0
		1	24	20.41	20.86	21.21	0
		12	0	19.33	19.82	20.08	1
		12	6	19.36	20.06	20.10	1
		12	13	19.29	19.90	20.09	1
		25	0	19.42	19.97	20.06	1
	16QAM	1	0	19.35	19.94	20.21	1
		1	12	19.45	20.04	20.21	1
		1	24	19.27	19.55	19.98	1
		12	0	18.31	18.86	18.98	2
		12	6	18.56	19.06	19.28	2
		12	13	18.54	18.90	19.18	2
		25	0	18.48	18.90	19.29	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 132022 Frequency 1715MHz	Mid CH 132322 Frequency 1745MHz	High CH 132622 Frequency 1775MHz	MPR
66/ 10	QPSK	1	0	20.39	21.01	21.15	0
		1	24	20.69	21.15	21.44	0
		1	49	20.38	20.90	21.17	0
		25	0	19.34	19.81	20.11	1
		25	12	19.42	20.00	20.10	1
		25	25	19.27	19.87	20.08	1
		50	0	19.47	19.97	20.03	1
	16QAM	1	0	19.35	19.91	20.17	1
		1	24	19.50	20.00	20.24	1
		1	49	19.27	19.56	19.95	1
		25	0	18.33	18.84	19.04	2
		25	12	18.60	19.00	19.33	2
		25	25	18.53	18.91	19.15	2
		50	0	18.52	18.89	19.33	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 132072 Frequency 1720MHz	Mid CH 132322 Frequency 1745MHz	High CH 132572 Frequency 1770MHz	MPR
66/ 15	QPSK	1	0	20.41	21.03	21.14	0
		1	37	20.64	21.18	21.43	0
		1	74	20.40	20.87	21.17	0
		36	0	19.30	19.82	20.11	1
		36	19	19.36	20.05	20.09	1
		36	39	19.25	19.94	20.08	1
		75	0	19.44	19.94	20.03	1
	16QAM	1	0	19.34	19.98	20.21	1
		1	37	19.48	20.01	20.22	1
		1	74	19.27	19.55	19.99	1
		36	0	18.31	18.88	19.01	2
		36	19	18.59	19.02	19.32	2
		36	39	18.59	18.88	19.15	2
		75	0	18.48	18.89	19.32	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 132072 Frequency 1720MHz	Mid CH 132322 Frequency 1745MHz	High CH 132572 Frequency 1770MHz	MPR
66/ 20	QPSK	1	0	20.47	21.05	21.20	0
		1	50	20.71	21.23	**21.45**	0
		1	99	20.46	20.94	21.22	0
		50	0	19.37	19.87	20.13	1
		50	25	19.44	20.07	20.15	1
		50	50	19.33	19.95	20.10	1
		100	0	19.48	19.99	20.11	1
	16QAM	1	0	19.42	19.99	20.23	1
		1	50	19.53	20.06	20.26	1
		1	99	19.29	19.63	20.00	1
		50	0	18.39	18.92	19.06	2
		50	25	18.62	19.08	19.34	2
		50	50	18.61	18.95	19.20	2
		100	0	18.54	18.97	19.34	2

LTE Band 71

Band/BW	Modulation	RB Size	RB Offset	Low CH 133147 Frequency 665.5MHz	Mid CH 133247 Frequency 675.5MHz	High CH 133447 Frequency 695.5MHz	MPR
71/ 5	QPSK	1	0	21.11	21.00	21.18	0
		1	12	21.66	21.43	21.55	0
		1	24	20.87	20.74	21.04	0
		12	0	20.25	20.08	20.16	1
		12	6	20.14	20.23	20.11	1
		12	13	20.14	20.01	20.21	1
		25	0	20.21	20.24	20.18	1
	16QAM	1	0	19.90	19.73	19.99	1
		1	12	19.64	19.75	19.73	1
		1	24	19.57	19.30	19.56	1
		12	0	19.03	18.90	18.86	2
		12	6	19.00	19.05	19.01	2
		12	13	19.11	18.96	19.12	2
		25	0	19.02	18.87	19.09	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 133172 Frequency 668MHz	Mid CH 133272 Frequency 678MHz	High CH 133172 Frequency 693MHz	MPR
71/ 10	QPSK	1	0	21.08	21.03	21.18	0
		1	24	21.66	21.43	21.56	0
		1	49	20.84	20.78	21.00	0
		25	0	20.26	20.07	20.19	1
		25	12	20.20	20.17	20.11	1
		25	25	20.12	19.98	20.20	1
		50	0	20.26	20.24	20.15	1
	16QAM	1	0	19.90	19.70	19.95	1
		1	24	19.69	19.71	19.76	1
		1	49	19.57	19.31	19.53	1
		25	0	19.05	18.88	18.92	2
		25	12	19.04	18.99	19.06	2
		25	25	19.10	18.97	19.09	2
		50	0	19.06	18.86	19.13	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 133197 Frequency 670.5MHz	Mid CH 133297 Frequency 680.5MHz	High CH 133397 Frequency 690.5MHz	MPR
71/ 15	QPSK	1	0	21.10	21.02	21.22	0
		1	37	21.67	21.49	21.52	0
		1	74	20.84	20.75	21.03	0
		36	0	20.28	20.09	20.18	1
		36	19	20.19	20.23	20.10	1
		36	39	20.14	20.01	20.20	1
		75	0	20.21	20.24	20.20	1
	16QAM	1	0	19.95	19.70	20.00	1
		1	37	19.64	19.73	19.73	1
		1	74	19.56	19.32	19.56	1
		36	0	19.10	18.91	18.86	2
		36	19	19.00	19.04	19.03	2
		36	39	19.16	18.94	19.09	2
		75	0	19.02	18.86	19.12	2

Band/BW	Modulation	RB Size	RB Offset	Low CH 133222 Frequency 673MHz	Mid CH 133322 Frequency 683MHz	High CH 133372 Frequency 688MHz	MPR
71/ 20	QPSK	1	0	21.16	21.07	21.23	0
		1	50	**21.68**	21.51	21.57	0
		1	99	20.92	20.82	21.05	0
		50	0	20.29	20.13	20.21	1
		50	25	20.22	20.24	20.16	1
		50	50	20.18	20.06	20.22	1
		100	0	20.27	20.26	20.23	1
	16QAM	1	0	19.97	19.78	20.01	1
		1	50	19.72	19.77	19.78	1
		1	99	19.59	19.38	19.58	1
		50	0	19.11	18.96	18.94	2
		50	25	19.06	19.07	19.07	2
		50	50	19.18	19.01	19.14	2
		100	0	19.08	18.94	19.14	2

EIRP
WCDMA IV

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
1312	1712.4	21.67	1	22.67	184.93	1
1413	1732.6	21.74	1	22.74	187.93	1
1513	1752.6	22.27	1	23.27	212.32	1

LTE BAND 4
CHANNEL BANDWIDTH: 1.4MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19957	1710.7	21.31	1	22.31	170.22	1
20175	1732.5	21.64	1	22.64	183.65	1
20393	1754.3	21.8	1	22.8	190.55	1

CHANNEL BANDWIDTH: 1.4MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19957	1710.7	20.09	1	21.09	128.53	1
20175	1732.5	20.41	1	21.41	138.36	1
20393	1754.3	20.64	1	21.64	145.88	1

CHANNEL BANDWIDTH: 3MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19965	1711.5	21.3	1	22.3	169.82	1
20175	1732.5	21.61	1	22.61	182.39	1
20385	1753.5	21.8	1	22.8	190.55	1

CHANNEL BANDWIDTH: 3MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19965	1711.5	20.02	1	21.02	126.47	1
20175	1732.5	20.34	1	21.34	136.14	1
20385	1753.5	19.29	1	20.29	106.91	1

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19975	1712.5	21.31	1	22.31	170.22	1
20175	1732.5	21.6	1	22.6	181.97	1
20375	1752.5	21.84	1	22.84	192.31	1

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
19975	1712.5	20.02	1	21.02	126.47	1
20175	1732.5	20.32	1	21.32	135.52	1
20375	1752.5	20.58	1	21.58	143.88	1

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20000	1715	21.31	1	22.31	170.22	1
20175	1732.5	21.64	1	22.64	183.65	1
20350	1750	21.8	1	22.8	190.55	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20000	1715	20.04	1	21.04	127.06	1
20175	1732.5	20.3	1	21.3	134.9	1
20350	1750	20.64	1	21.64	145.88	1

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20025	1717.5	21.32	1	22.32	170.61	1
20175	1732.5	21.65	1	22.65	184.08	1
20325	1747.5	21.79	1	22.79	190.11	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20025	1717.5	20.04	1	21.04	127.06	1
20175	1732.5	20.36	1	21.36	136.77	1
20325	1747.5	20.63	1	21.63	145.55	1

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20050	1720	21.36	1	22.36	172.19	1
20175	1732.5	21.68	1	22.68	185.35	1
20300	1745	21.85	1	22.85	192.75	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20050	1720	20.1	1	21.1	128.82	1
20175	1732.5	20.38	1	21.38	137.4	1
20300	1745	20.66	1	21.66	146.55	1

LTE BAND 7
CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20775	2502.5	21.48	1.6	23.08	203.24	2
21100	2535.0	21.78	1.6	23.38	217.77	2
21425	2567.5	21.66	1.6	23.26	211.84	2

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20775	2502.5	20.28	1.6	21.88	154.17	2
21100	2535.0	20.58	1.6	22.18	165.2	2
21425	2567.5	20.49	1.6	22.09	161.81	2

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20800	2505.0	21.49	1.6	23.09	203.7	2
21100	2535.0	21.79	1.6	23.39	218.27	2
21400	2565.0	21.63	1.6	23.23	210.38	2

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20800	2505.0	20.3	1.6	21.9	154.88	2
21100	2535.0	20.56	1.6	22.16	164.44	2
21400	2565.0	20.55	1.6	22.15	164.06	2

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	21.49	1.6	23.09	203.7	2
21100	2535.0	21.77	1.6	23.37	217.27	2
21375	2562.5	21.65	1.6	23.25	211.35	2

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20825	2507.5	20.34	1.6	21.94	156.31	2
21100	2535.0	20.56	1.6	22.16	164.44	2
21375	2562.5	20.56	1.6	22.16	164.44	2

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	21.52	1.6	23.12	205.12	2
21100	2535.0	21.83	1.6	23.43	220.29	2
21350	2560.0	21.67	1.6	23.27	212.32	2

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
20850	2510.0	20.36	1.6	21.96	157.04	2
21100	2535.0	20.64	1.6	22.24	167.49	2
21350	2560.0	20.57	1.6	22.17	164.82	2

ERP

LTE BAND 12
CHANNEL BANDWIDTH: 1.4MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23017	699.7	22.57	0.1	20.52	112.72	3
23095	707.5	22.49	0.1	20.44	110.66	3
23173	715.3	22.82	0.1	20.77	119.40	3

CHANNEL BANDWIDTH: 1.4MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23017	699.7	21.4	0.1	19.35	86.1	3
23095	707.5	21.52	0.1	19.47	88.51	3
23173	715.3	21.65	0.1	19.6	91.2	3

CHANNEL BANDWIDTH: 3MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23025	700.5	22.53	0.1	20.48	111.69	3
23095	707.5	22.37	0.1	20.32	107.65	3
23165	714.5	22.82	0.1	20.77	119.40	3

CHANNEL BANDWIDTH: 3MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23025	700.5	21.13	0.1	19.08	80.91	3
23095	707.5	21.15	0.1	19.1	81.28	3
23165	714.5	21.43	0.1	19.38	86.7	3

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23035	701.5	22.58	0.1	20.53	112.98	3
23095	707.5	22.33	0.1	20.28	106.66	3
23155	713.5	22.82	0.1	20.77	119.40	3

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23035	701.5	21.1	0.1	19.05	80.35	3
23095	707.5	21.18	0.1	19.13	81.85	3
23155	713.5	21.42	0.1	19.37	86.5	3

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23060	704	22.6	0.1	20.55	113.5	3
23095	707.5	22.41	0.1	20.36	108.64	3
23130	711	22.84	0.1	20.79	119.95	3

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23060	704	21.18	0.1	19.13	81.85	3
23095	707.5	21.2	0.1	19.15	82.22	3
23130	711	21.47	0.1	19.42	87.5	3

REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).

LTE BAND 13

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23205	779.5	22.68	0.15	20.68	116.95	3
23230	782	22.62	0.15	20.62	115.35	3
23255	784.5	22.69	0.15	20.69	117.22	3

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23205	779.5	21.42	0.15	19.42	87.5	3
23230	782	21.39	0.15	19.39	86.9	3
23255	784.5	21.43	0.15	19.43	87.7	3

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
-	-	-	-	-	-	-
23230	782	22.7	0.15	20.7	117.49	3
-	-	-	-	-	-	-

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
-	-	-	-	-	-	-
23230	782	21.45	0.15	19.45	88.1	3
-	-	-	-	-	-	-

REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).

LTE BAND 17
CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23755	706.5	21.96	0.1	19.91	97.95	3
23790	710	21.95	0.1	19.9	97.72	3
23825	713.5	21.84	0.1	19.79	95.28	3

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23755	706.5	20.59	0.1	18.54	71.45	3
23790	710	20.56	0.1	18.51	70.96	3
23825	713.5	20.56	0.1	18.51	70.96	3

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23780	709	22.02	0.1	19.97	99.31	3
23790	710	21.97	0.1	19.92	98.17	3
23800	711	21.85	0.1	19.8	95.5	3

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
23780	709	20.66	0.1	18.61	72.61	3
23790	710	20.61	0.1	18.56	71.78	3
23800	711	20.58	0.1	18.53	71.29	3

EIRP

LTE BAND 41

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39675	2498.5	21.91	1.5	23.41	219.28	2
40620	2593.0	21.98	1.5	23.48	222.84	2
41565	2687.5	22.16	1.5	23.66	232.27	2

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39675	2498.5	20.94	1.5	22.44	175.39	2
40620	2593.0	21.01	1.5	22.51	178.24	2
41565	2687.5	21.35	1.5	22.85	192.75	2

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39700	2501.0	21.88	1.5	23.38	217.77	2
40620	2593.0	21.94	1.5	23.44	220.8	2
41540	2685.0	22.14	1.5	23.64	231.21	2

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39700	2501.0	20.94	1.5	22.44	175.39	2
40620	2593.0	20.97	1.5	22.47	176.6	2
41540	2685.0	21.35	1.5	22.85	192.75	2

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39725	2503.5.0	21.94	1.5	23.44	220.8	2
40620	2593.0	21.95	1.5	23.45	221.31	2
41515	2682.5.0	22.16	1.5	23.66	232.27	2

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39725	2503.5	20.98	1.5	22.48	177.01	2
40620	2593.0	20.97	1.5	22.47	176.6	2
41515	2682.5	21.38	1.5	22.88	194.09	2

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39750	2506.0	21.96	1.5	23.46	221.82	2
40620	2593.0	21.99	1.5	23.49	223.36	2
41490	2680.0	22.22	1.5	23.72	235.50	2

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
39750	2506.0	21.01	1.5	22.51	178.24	2
40620	2593.0	21.03	1.5	22.53	179.06	2
41490	2680.0	21.4	1.5	22.9	194.98	2

LTE BAND 66
CHANNEL BANDWIDTH: 1.4MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	20.68	1	21.68	147.23	1
132322	1745	21.17	1	22.17	164.82	1
132665	1779.3	21.43	1	22.43	174.98	1

CHANNEL BANDWIDTH: 1.4MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	19.57	1	20.57	114.02	1
132322	1745	20.07	1	21.07	127.94	1
132665	1779.3	20.29	1	21.29	134.59	1

CHANNEL BANDWIDTH: 3MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	20.7	1	21.7	147.91	1
132322	1745	21.21	1	22.21	166.34	1
132657	1778.5	21.4	1	22.4	173.78	1

CHANNEL BANDWIDTH: 3MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	19.45	1	20.45	110.92	1
132322	1745	20.02	1	21.02	126.47	1
132657	1778.5	20.22	1	21.22	132.43	1

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	20.69	1	21.69	147.57	1
132322	1745	21.15	1	22.15	164.06	1
132647	1777.5	21.43	1	22.43	174.98	1

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	19.45	1	20.45	110.92	1
132322	1745	20.04	1	21.04	127.06	1
132647	1777.5	20.21	1	21.21	132.13	1

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	20.69	1	21.69	147.57	1
132322	1745	21.15	1	22.15	164.06	1
132622	1775	21.44	1	22.44	175.39	1

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	19.5	1	20.5	112.2	1
132322	1745	20	1	21	125.89	1
132622	1775	20.24	1	21.24	133.05	1

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	20.64	1	21.64	145.88	1
132322	1745	21.18	1	22.18	165.2	1
132597	1772.5	21.43	1	22.43	174.98	1

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	19.48	1	20.48	111.69	1
132322	1745	20.01	1	21.01	126.18	1
132622	1772.5	20.22	1	21.22	132.43	1

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	20.71	1	21.71	148.25	1
132322	1745	21.23	1	22.23	167.11	1
132572	1770	21.45	1	22.45	175.79	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	19.53	1	20.53	112.98	1
132322	1745	20.06	1	21.06	127.64	1
132572	1770	20.26	1	21.26	133.66	1

ERP

LTE BAND 71
CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
133147	665.5	21.66	0.1	19.61	91.41	3
133247	675.5	21.43	0.1	19.38	86.7	3
133447	695.5	21.55	0.1	19.5	89.13	3

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
133147	665.5	19.9	0.1	17.85	60.95	3
133247	675.5	19.75	0.1	17.7	58.88	3
133447	695.5	19.99	0.1	17.94	62.23	3

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
133172	668	21.66	0.1	19.61	91.41	3
133272	678	21.43	0.1	19.38	86.7	3
133422	693	21.56	0.1	19.51	89.33	3

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
133172	668	19.9	0.1	17.85	60.95	3
133272	678	19.71	0.1	17.66	58.34	3
133422	693	19.95	0.1	17.9	61.66	3

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
133197	670.5	21.67	0.1	19.62	91.62	3
133297	680.5	21.49	0.1	19.44	87.9	3
133397	690.5	21.52	0.1	19.47	88.51	3

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
133197	670.5	19.95	0.1	17.9	61.66	3
133297	680.5	19.73	0.1	17.68	58.61	3
133397	690.5	20	0.1	17.95	62.37	3

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
133222	673	21.68	0.1	19.63	91.83	3
133322	683	21.51	0.1	19.46	88.31	3
133372	688	21.57	0.1	19.52	89.54	3

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
133222	673	19.97	0.1	17.92	61.94	3
133322	683	19.78	0.1	17.73	59.29	3
133372	688	20.01	0.1	17.96	62.52	3

REMARKS: ERP Output Power (dBm) = EIRP (dBm) -2.15(dB).

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILIITY MEASUREMENT

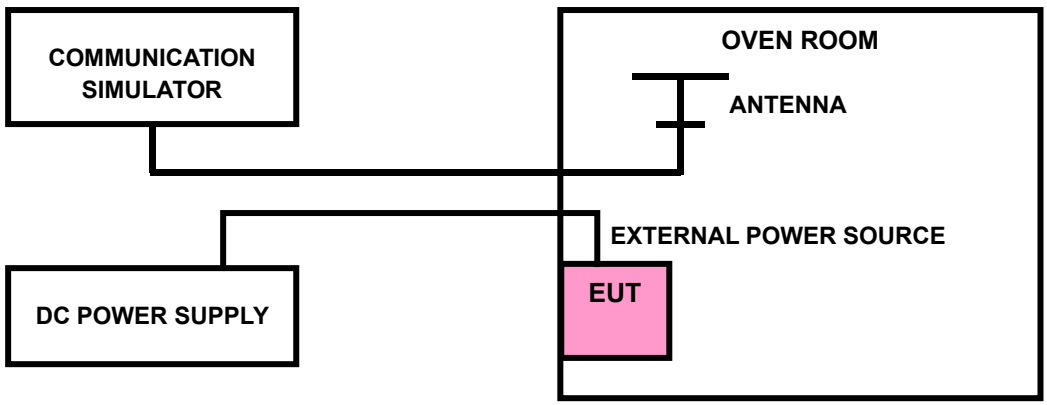
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

3.2.2 TEST PROCEDURE

a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.
b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.
c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

NOTE: The frequency error was recorded frequency error from the communication simulator.

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

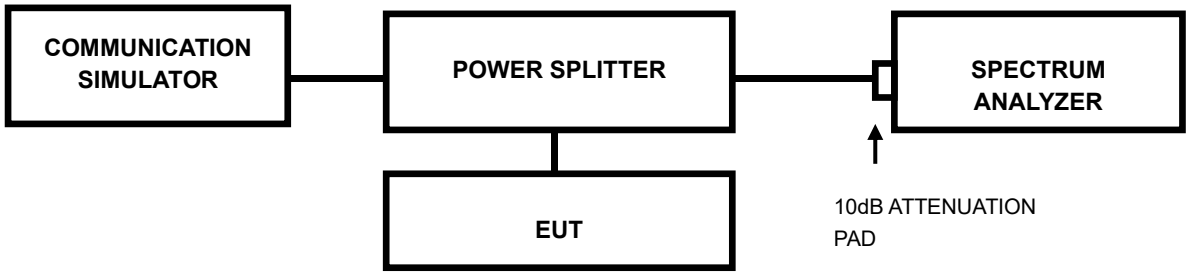
Please Refer to Appendix A Of this test report.

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 LIMITS OF OCCUPIED BANDWIDTH MEASUREMENT

The width of a frequency band such that, below the lower and above the upper frequency limits, the mean powers emitted are each equal to a specified percentage 0.5 % of the total mean power of a given emission.

3.3.2 TEST SETUP



3.3.3 TEST PROCEDURES

a. The conducted occupied bandwidth used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
b. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.4 TEST RESULTS

Please Refer to Appendix A Of this test report.

3.4 BAND EDGE MEASUREMENT

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

According to FCC 27.53(g) specified that For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a 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, by at least 43 + 10 log (P) dB. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

According to FCC 27.53(h) specified that For operations in the 1710-1755 MHz and 1755-1780 MHz band, the power of any emission outside a 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, by at least 43 + 10 log (P) dB. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

According to FCC 27.53(m)(4) specified that For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. For mobile digital stations, in the 1 megahertz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least two percent may be employed.

According to FCC 27.53(c),for operations in the 746-758 MHz band and the 776-788 MHz band, 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 any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least 43 + 10 log (P) dB;

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 76 + 10 log (P) dB in a 6.25 kHz band segment, for base and fixed stations;

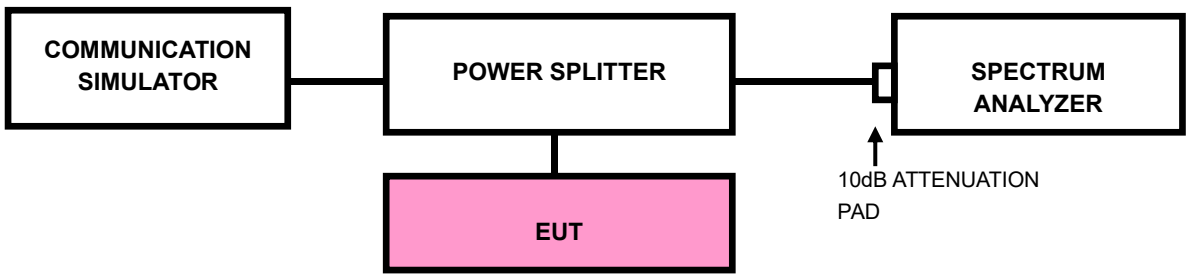
(4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than 65 + 10 log (P) dB in a 6.25 kHz band segment, for mobile and portable stations;

(5) Compliance with the provisions of paragraphs (1) and (2) 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 at least 30 kHz may be employed;

(6) Compliance with the provisions of paragraphs (3) and (4) 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.

According to FCC 27.53(f),for operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions 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. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

3.4.2 TEST SETUP



3.4.3 TEST PROCEDURES

a. All measurements were done at low and high operational frequency range.

b. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz.
RBW of the spectrum is 10kHz and VBW of the spectrum is 30kHz (LTE bandwidth for (1.4M/3M/5M/10M/15M/20M)1RB/0RB&1RB/MAXRB).

c. The center frequency of spectrum is the band edge frequency and span is 10MHz.
RBW of the spectrum is 100kHz and VBW of the spectrum is 300kHz (WCDMA).

d. The center frequency of spectrum is the band edge frequency and span is 1~5 MHz.
RBW of the spectrum is ⩾1%*EBW kHz and VBW of the spectrum is 3*RBW kHz.
(LTE bandwidth 1.4M/3M/5M/10M/15M/20MHz).

e. Record the max trace plot into the test report.

3.4.4 TEST RESULTS

Please Refer to Appendix A Of this test report.

3.5 CONDUCTED SPURIOUS EMISSIONS

3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

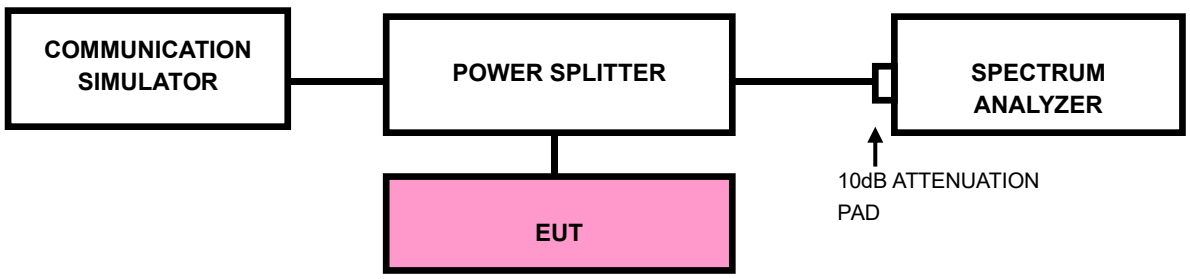
Pls refer to the describtion of chapter 3.4.1.

3.5.2 TEST PROCEDURE

a. The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.

b. Measuring frequency range is from 9kHz up to a frequency including its 10^{th} harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP



3.5.4 TEST RESULTS

NOTE：The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

Please Refer to Appendix A Of this test report.

3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

Pls refer to the describtion of chapter 3.4.1.

3.6.2 TEST PROCEDURES

a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.
b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value “ of step a. Record the power level of S.G.
c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.
d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15dBi.

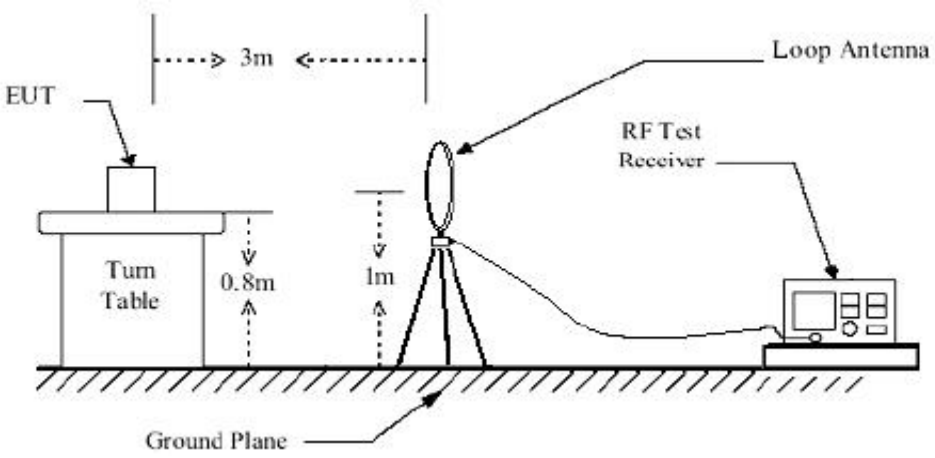
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

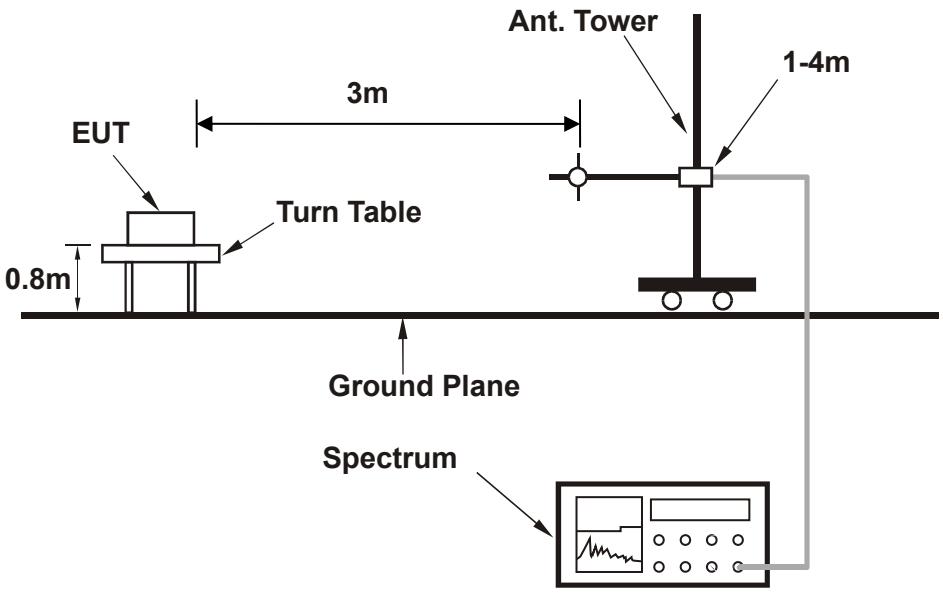
No deviation

3.6.4 TEST SETUP

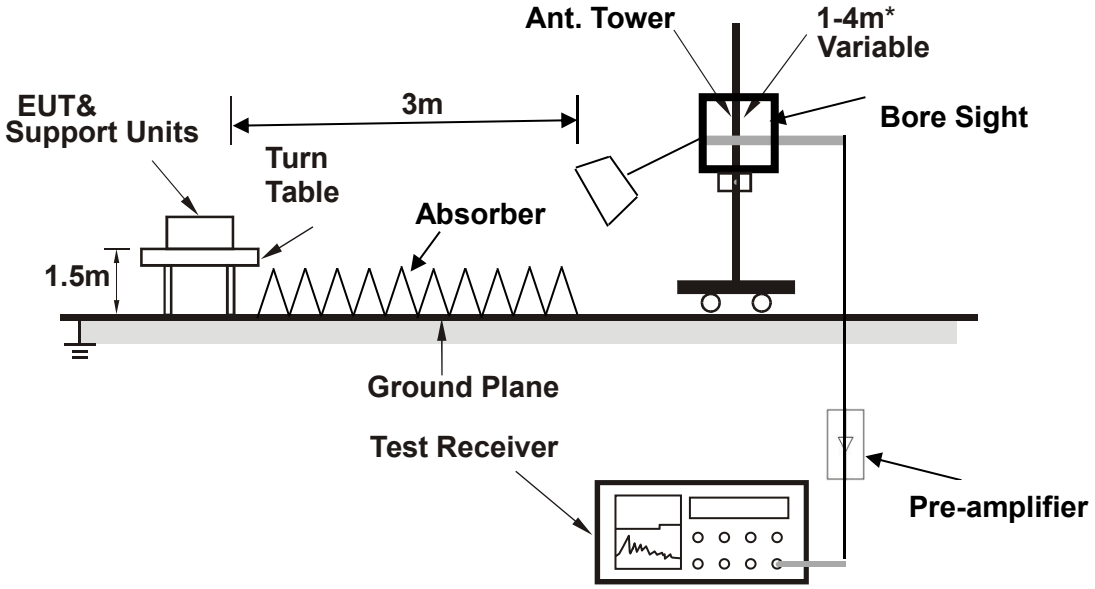
< Frequency Range below 30MHz >



< Frequency Range 30MHz~1GHz >



<Frequency Range above 1GHz>



Note: Above 1G is a directional antenna depends on the EUT height and the antenna 3dB beamwidth both, refer to section 7.3 of CISPR 16-2-3.

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.6.5 TEST RESULTS

NOTE： The 9K~30MHz amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required in the report.

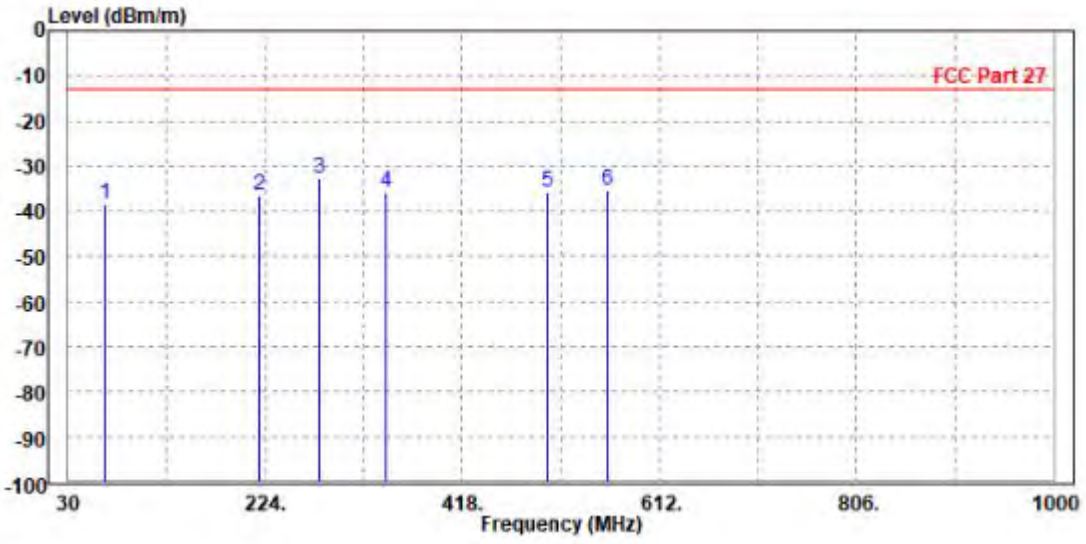
BELOW 1GHz WORST-CASE DATA

30 MHz – 1GHz data:

LTE Band 13
CHANNEL BANDWIDTH: 5MHz / QPSK

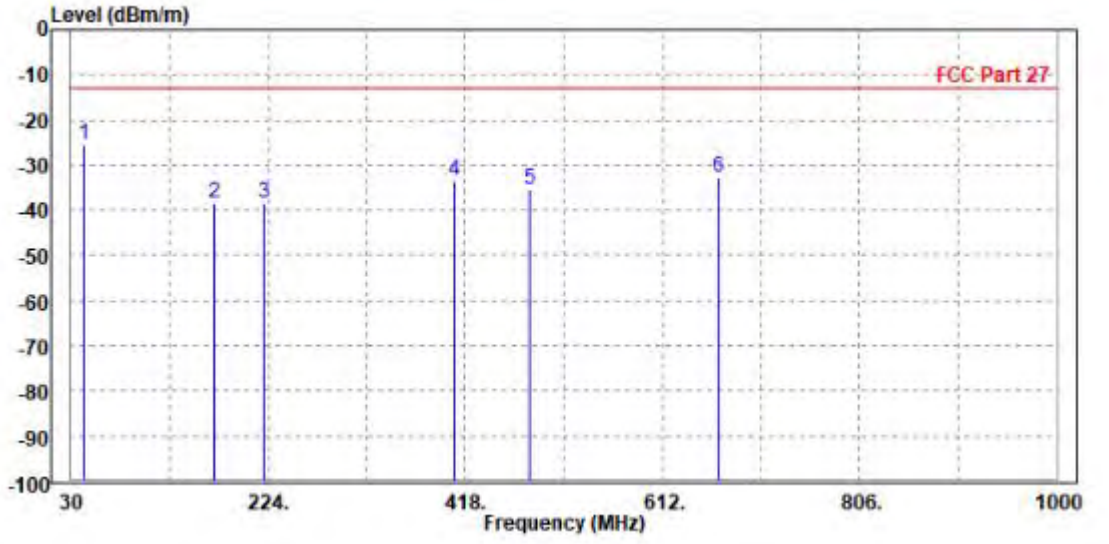
MODE	TX channel 23205	**FREQUENCY RANGE**	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1		66.860	-38.43	-46.60	-13.00	-25.43	8.17	Peak	Horizontal
2		218.180	-36.46	-48.56	-13.00	-23.46	12.10	Peak	Horizontal
3	PP	277.350	-32.61	-46.38	-13.00	-19.61	13.77	Peak	Horizontal
4		343.310	-35.79	-50.74	-13.00	-22.79	14.95	Peak	Horizontal
5		501.420	-35.58	-53.70	-13.00	-22.58	18.12	Peak	Horizontal
6		560.590	-35.18	-54.25	-13.00	-22.18	19.07	Peak	Horizontal



MODE	TX channel 23205	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	42.610	-25.49	-37.32	-13.00	-12.49	11.83	Peak	Vertical
2	171.620	-38.33	-49.40	-13.00	-25.33	11.07	Peak	Vertical
3	219.150	-38.33	-50.25	-13.00	-25.33	11.92	Peak	Vertical
4	407.330	-33.60	-50.00	-13.00	-20.60	16.40	Peak	Vertical
5	482.020	-35.28	-52.65	-13.00	-22.28	17.37	Peak	Vertical
6	667.290	-32.67	-52.94	-13.00	-19.67	20.27	Peak	Vertical



ABOVE 1GHz

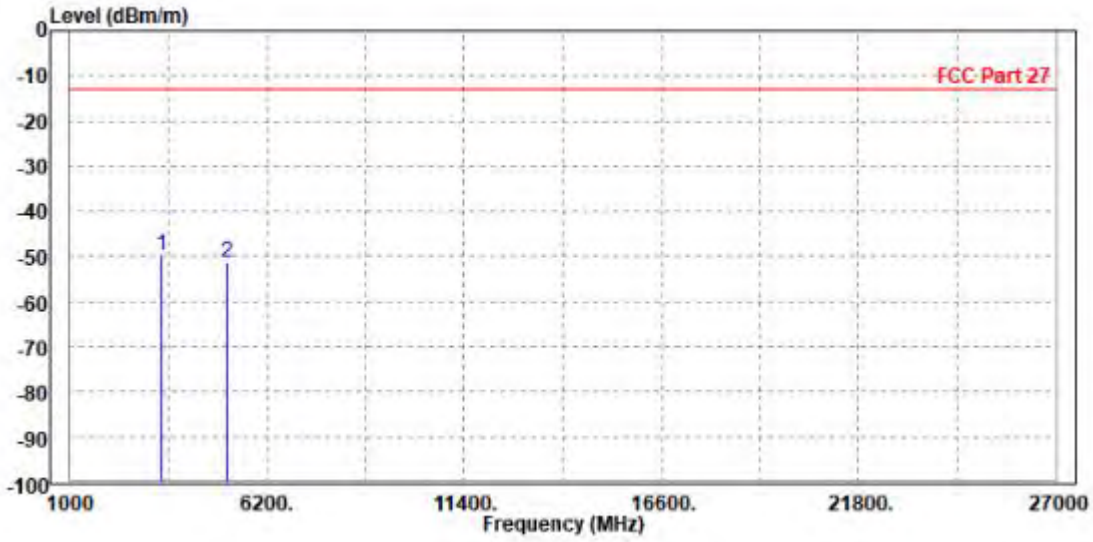
Note: For higher frequency, the emission is too low to be detected.

WCDMA Band IV:

CH 1312

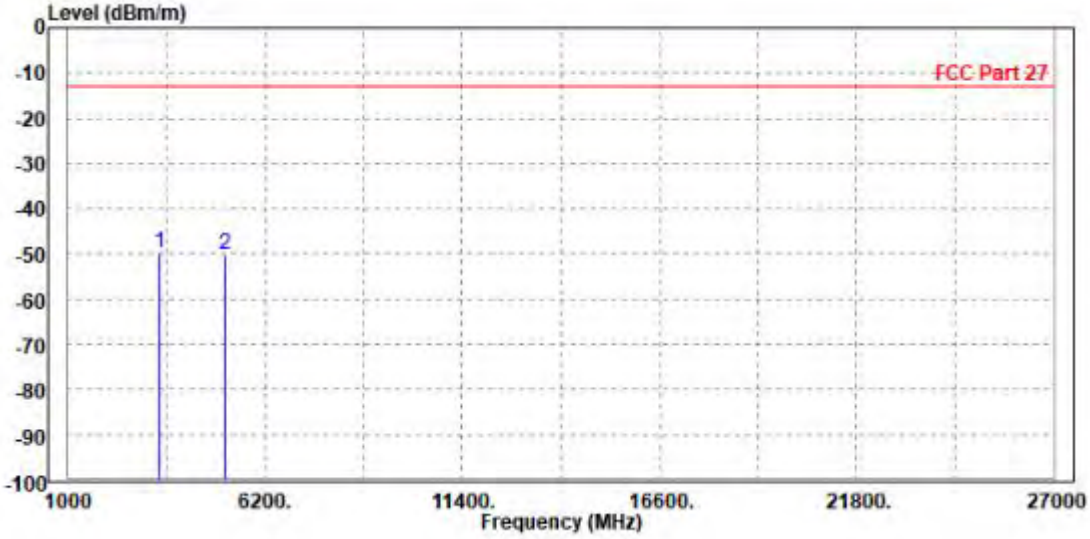
MODE	TX channel 1312	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3418.000	-49.93	-58.52	-13.00	-36.93	8.59	Peak	Horizontal
2	5137.200	-51.22	-60.16	-13.00	-38.22	8.94	Peak	Horizontal



MODE	TX channel 1312	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

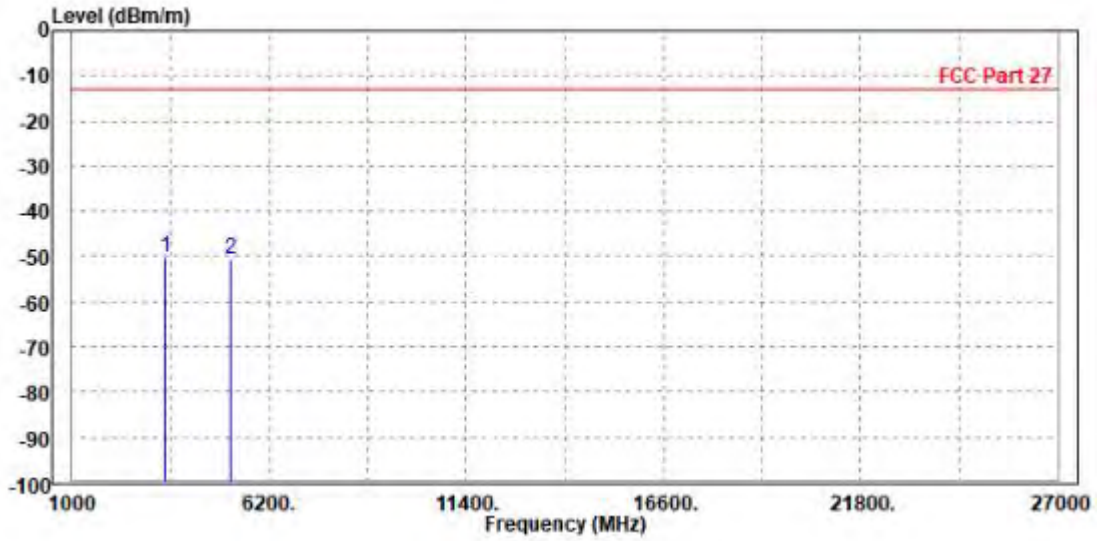
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3418.000	-49.63	-58.74	-13.00	-36.63	9.11	Peak	Vertical
2	5137.200	-50.24	-60.09	-13.00	-37.24	9.85	Peak	Vertical



CH 1413

MODE	TX channel 1413	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

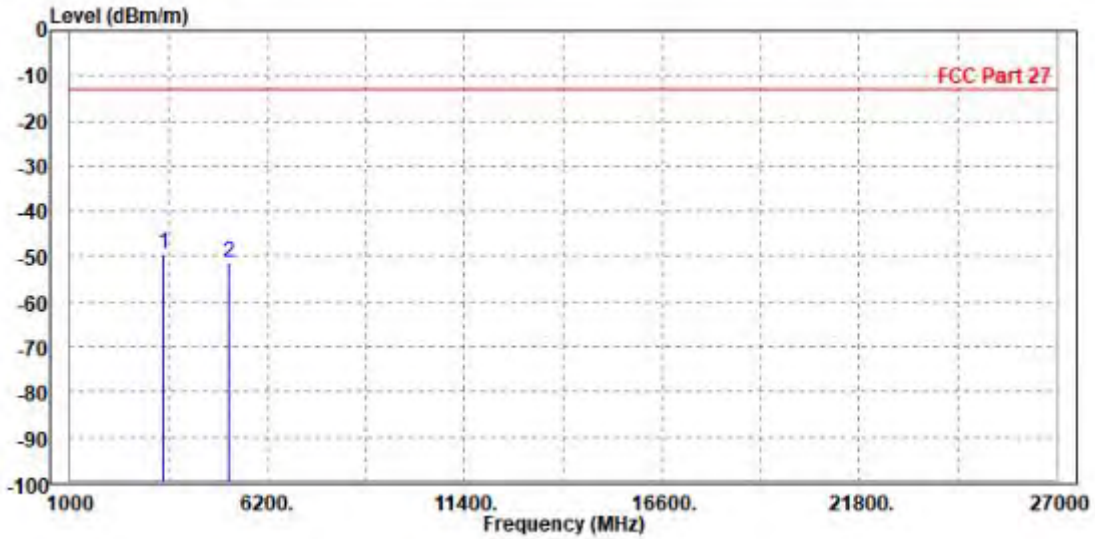
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3470.000	-50.34	-58.92	-13.00	-37.34	8.58	Peak	Horizontal
2	5197.800	-50.39	-59.51	-13.00	-37.39	9.12	Peak	Horizontal



MODE	TX channel 1413	FREQUENCY RANGE	Above 1000MHz

ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

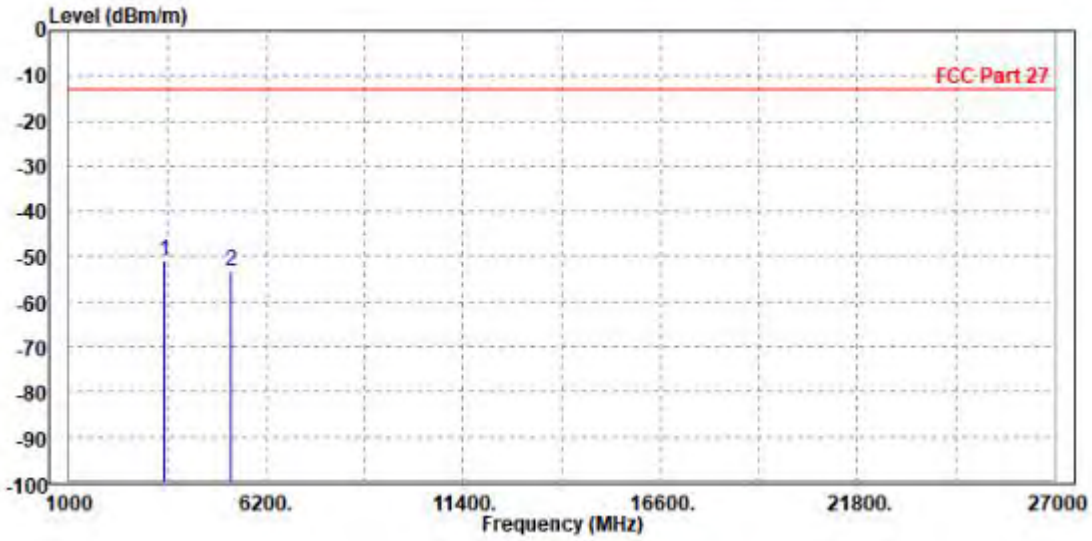
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3470.000	-49.47	-58.63	-13.00	-36.47	9.16	Peak	Vertical
2	5197.800	-51.25	-61.07	-13.00	-38.25	9.82	Peak	Vertical



CH 1513

MODE	TX channel 1513	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

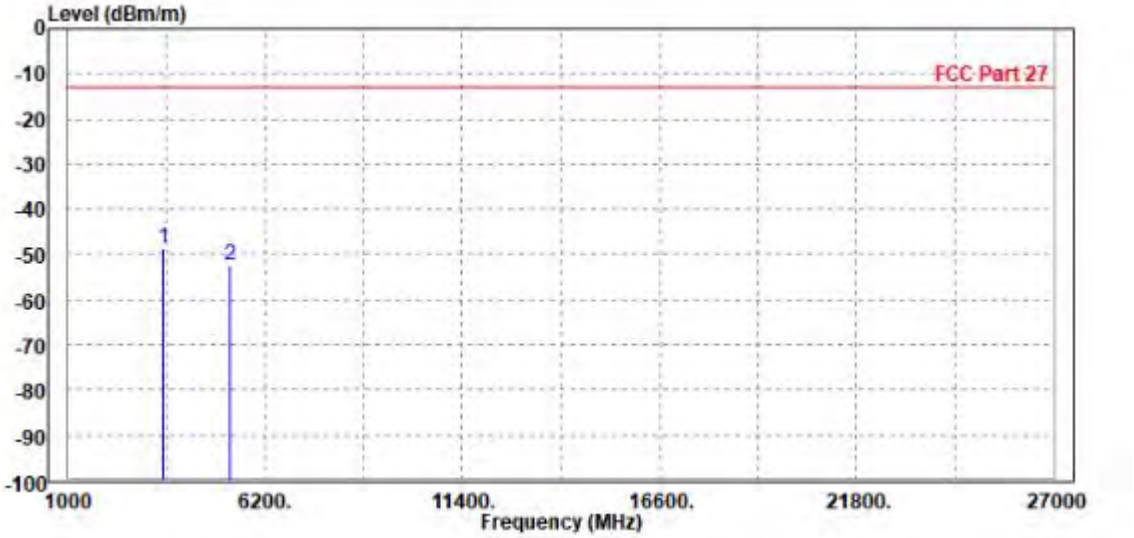
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3496.000	-50.98	-59.55	-13.00	-37.98	8.57	Peak	Horizontal
2	5257.800	-53.06	-62.36	-13.00	-40.06	9.30	Peak	Horizontal



MODE	TX channel 1513	FREQUENCY RANGE	Above 1000MHz

ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3496.000	-48.61	-57.80	-13.00	-35.61	9.19	Peak	Vertical
2	5257.800	-52.55	-62.35	-13.00	-39.55	9.80	Peak	Vertical

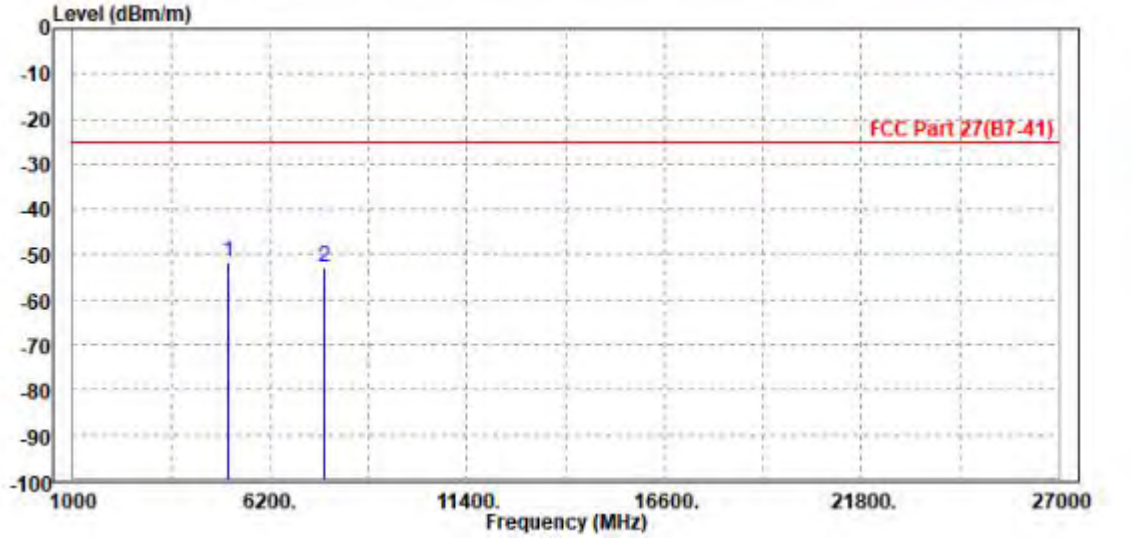


LTE Band 7
CHANNEL BANDWIDTH: 5MHz / QPSK

MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz

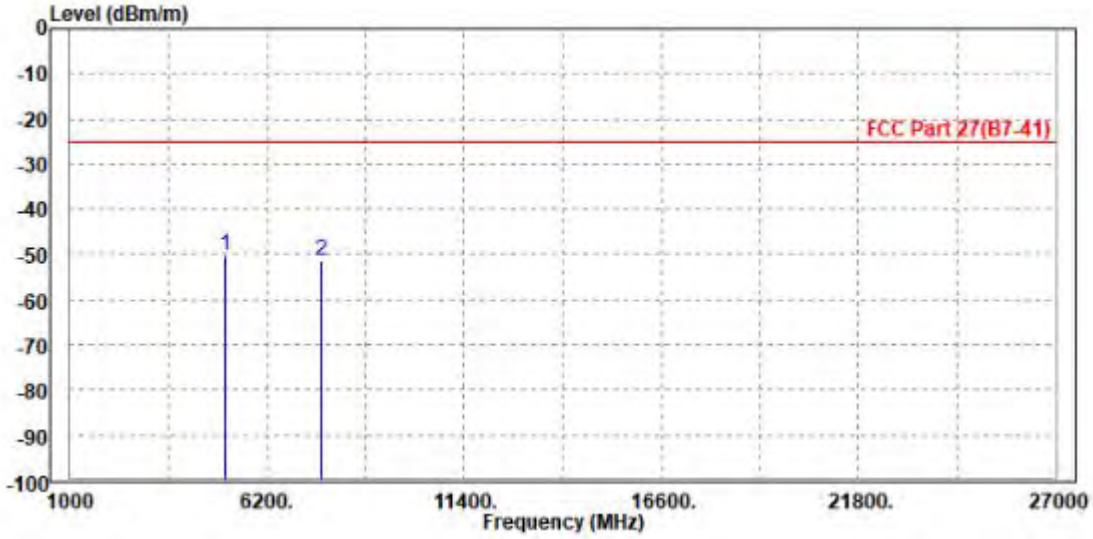
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5082.000	-51.73	-60.50	-25.00	-26.73	8.77	Peak	Horizontal
2	7605.000	-53.02	-64.42	-25.00	-28.02	11.40	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

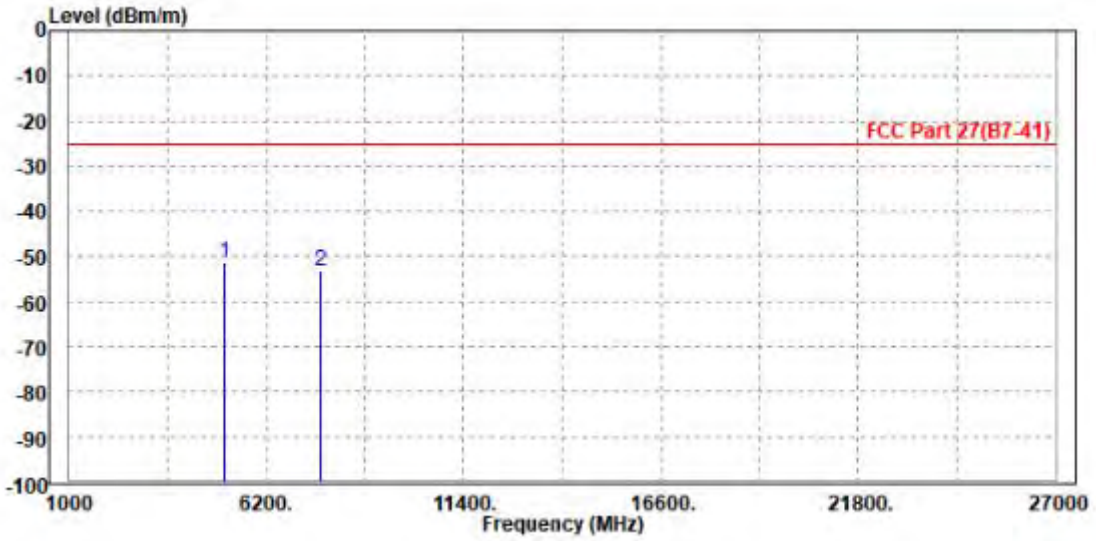
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-50.27	-60.14	-25.00	-25.27	9.87	Peak	Vertical
2	7605.000	-51.20	-63.98	-25.00	-26.20	12.78	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz / QPSK

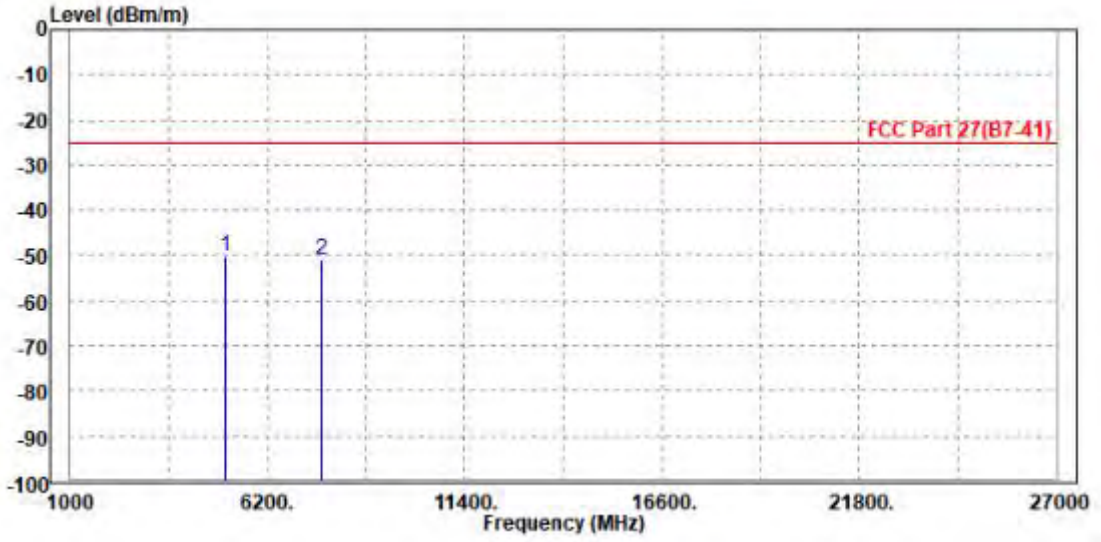
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-51.28	-60.05	-25.00	-26.28	8.77	Peak	Horizontal
2	7605.000	-53.27	-64.67	-25.00	-28.27	11.40	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

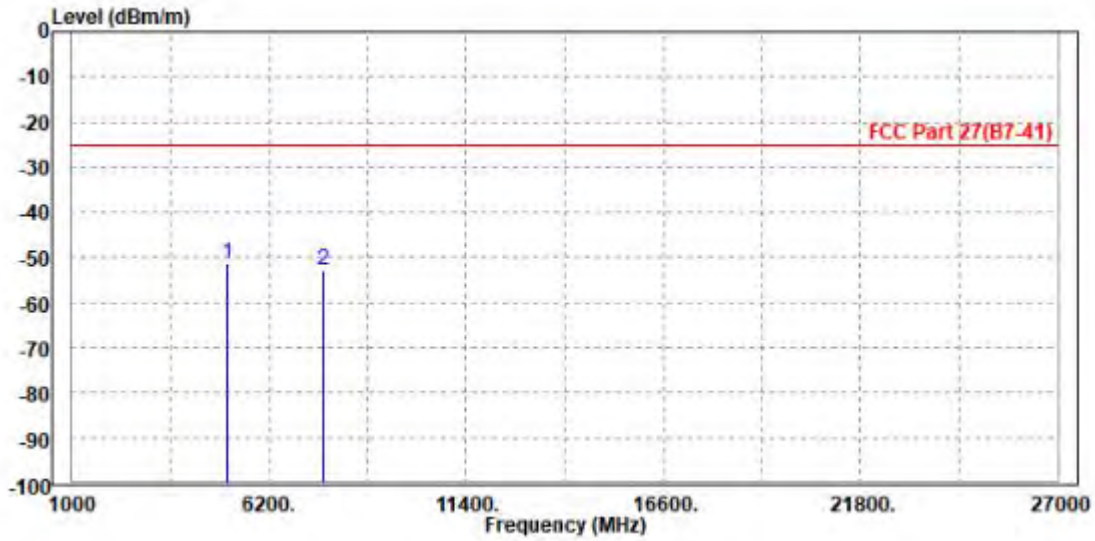
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-50.26	-60.13	-25.00	-25.26	9.87	Peak	Vertical
2	7605.000	-50.78	-63.56	-25.00	-25.78	12.78	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz / QPSK

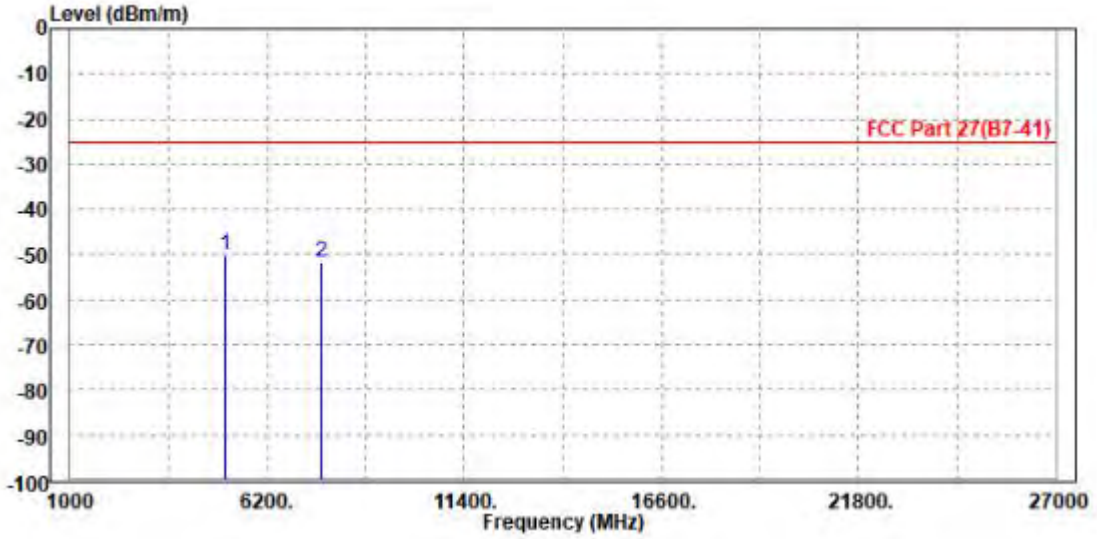
MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-51.42	-60.19	-25.00	-26.42	8.77	Peak	Horizontal
2	7605.000	-52.70	-64.10	-25.00	-27.70	11.40	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

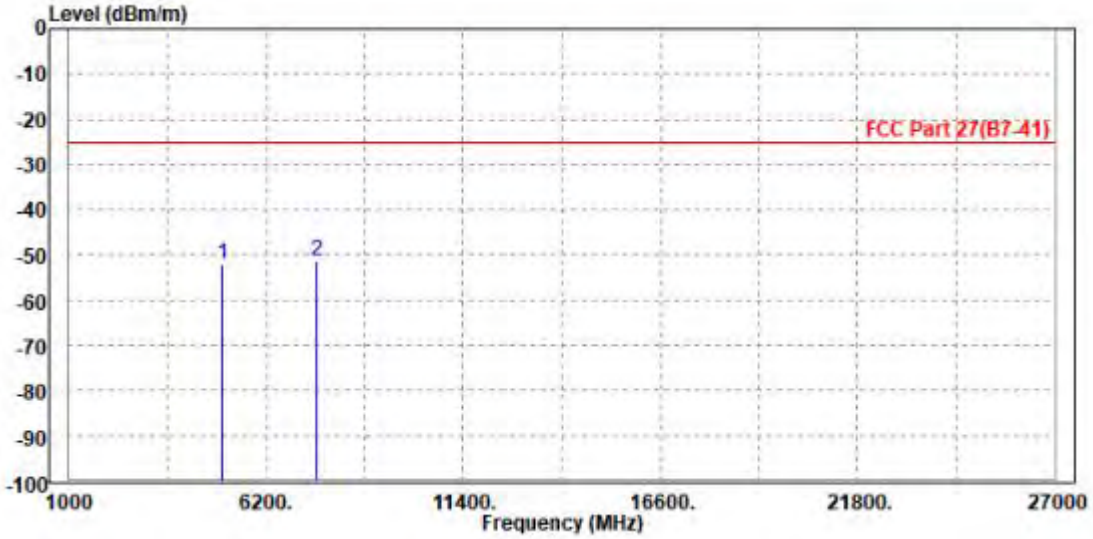
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-50.27	-60.14	-25.00	-25.27	9.87	Peak	Vertical
2	7605.000	-51.54	-64.32	-25.00	-26.54	12.78	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz / QPSK
CH20850

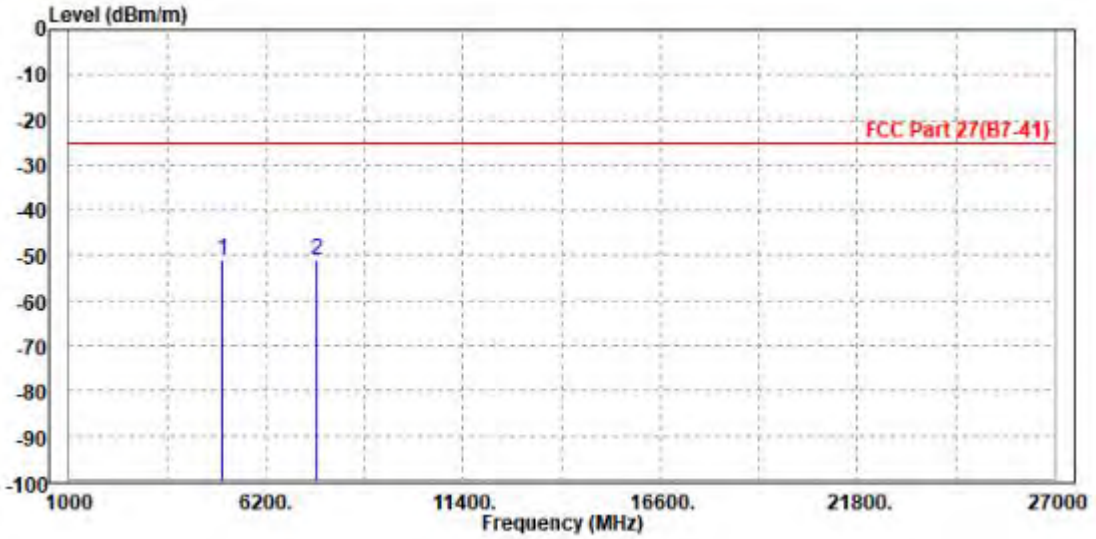
MODE	TX channel 20850	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5030.000	-51.96	-60.57	-25.00	-26.96	8.61	Peak	Horizontal
2 PP	7530.000	-51.36	-62.73	-25.00	-26.36	11.37	Peak	Horizontal



MODE	TX channel 20850	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

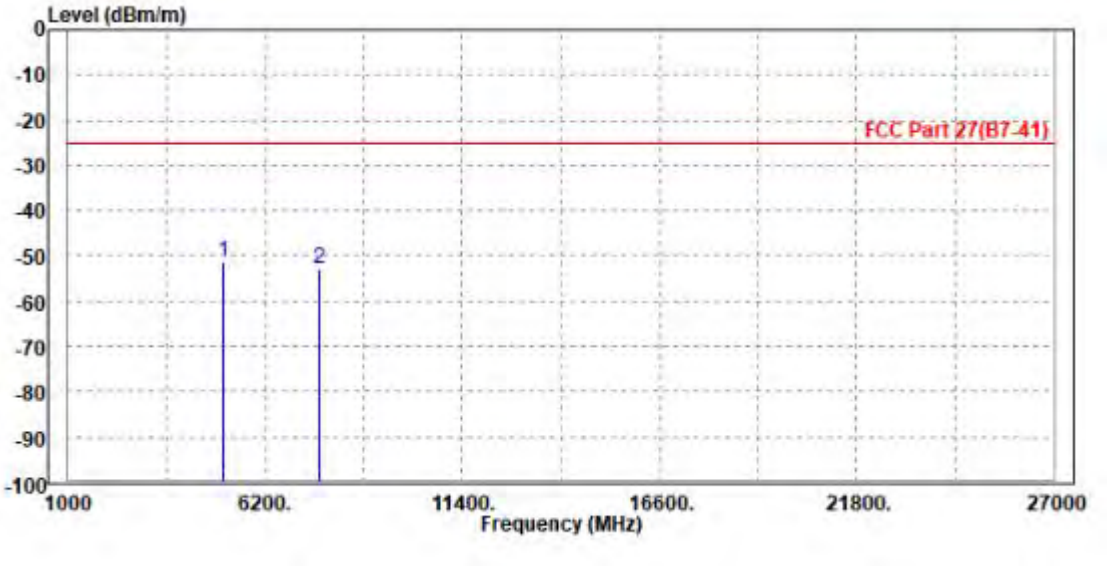
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5030.000	-51.10	-60.99	-25.00	-26.10	9.89	Peak	Vertical
2 PP	7530.000	-51.04	-63.79	-25.00	-26.04	12.75	Peak	Vertical



CH21100

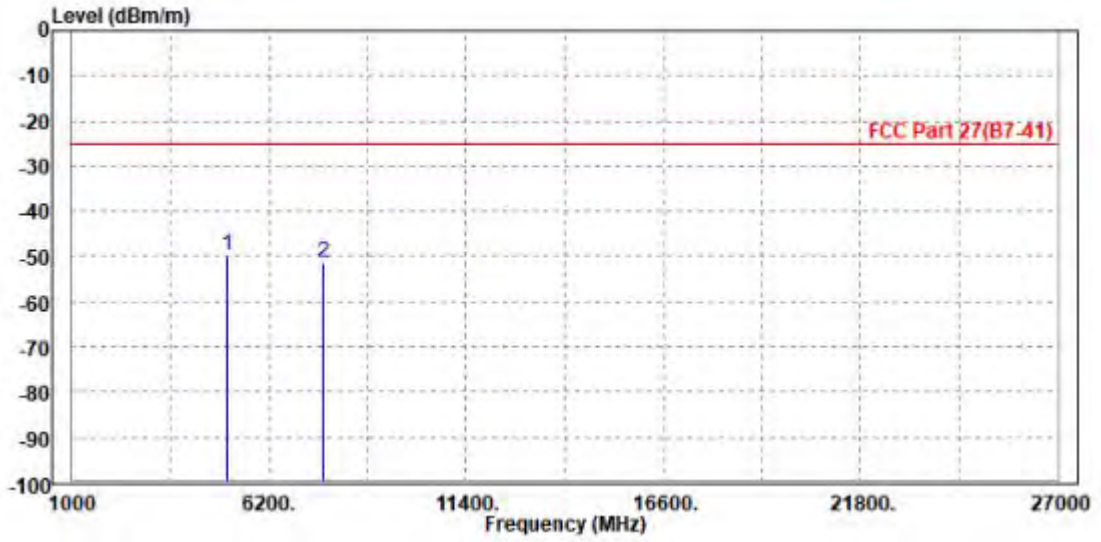
MODE	TX channel 21100	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-51.47	-60.24	-25.00	-26.47	8.77	Peak	Horizontal
2	7605.000	-52.69	-64.09	-25.00	-27.69	11.40	Peak	Horizontal



MODE	TX channel 21100	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

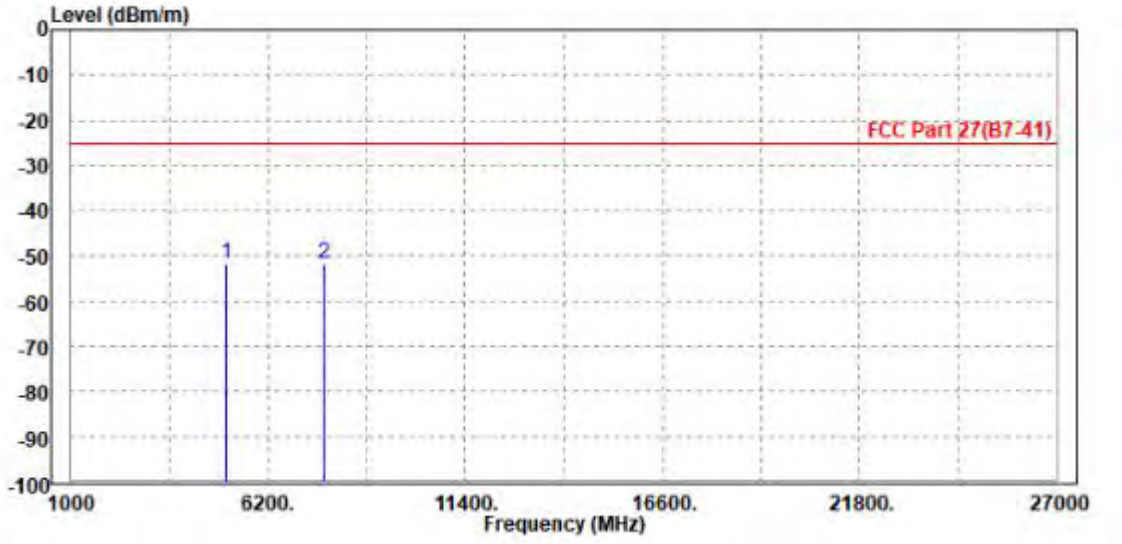
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5082.000	-49.73	-59.60	-25.00	-24.73	9.87	Peak	Vertical
2	7605.000	-51.45	-64.23	-25.00	-26.45	12.78	Peak	Vertical



CH21350

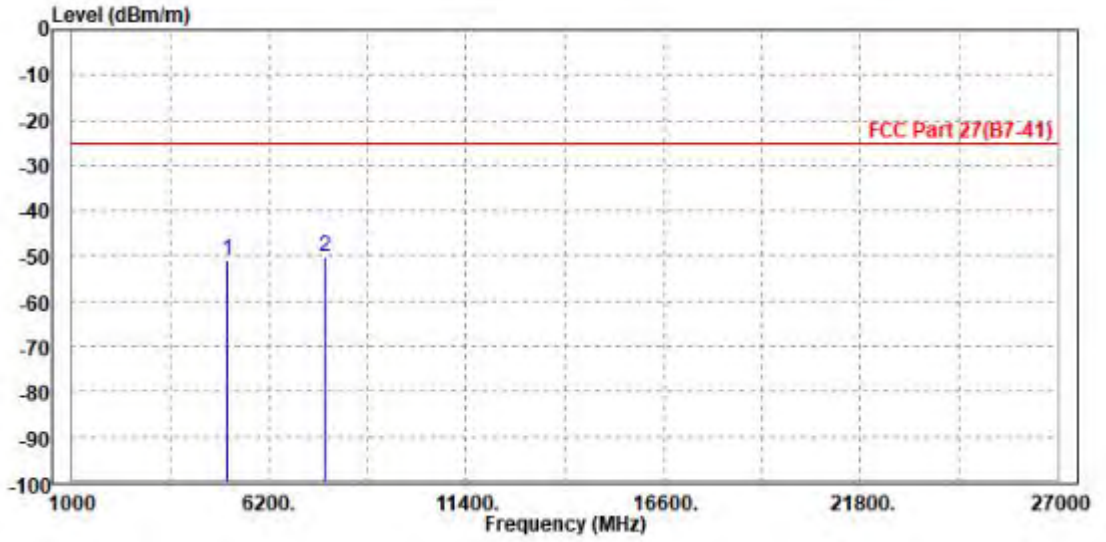
MODE	TX channel 21350	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5108.000	-51.85	-60.70	-25.00	-26.85	8.85	Peak	Horizontal
2 PP	7680.000	-51.70	-63.13	-25.00	-26.70	11.43	Peak	Horizontal



MODE	TX channel 21350	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5108.000	-50.80	-60.66	-25.00	-25.80	9.86	Peak	Vertical
2 PP	7680.000	-50.24	-63.05	-25.00	-25.24	12.81	Peak	Vertical



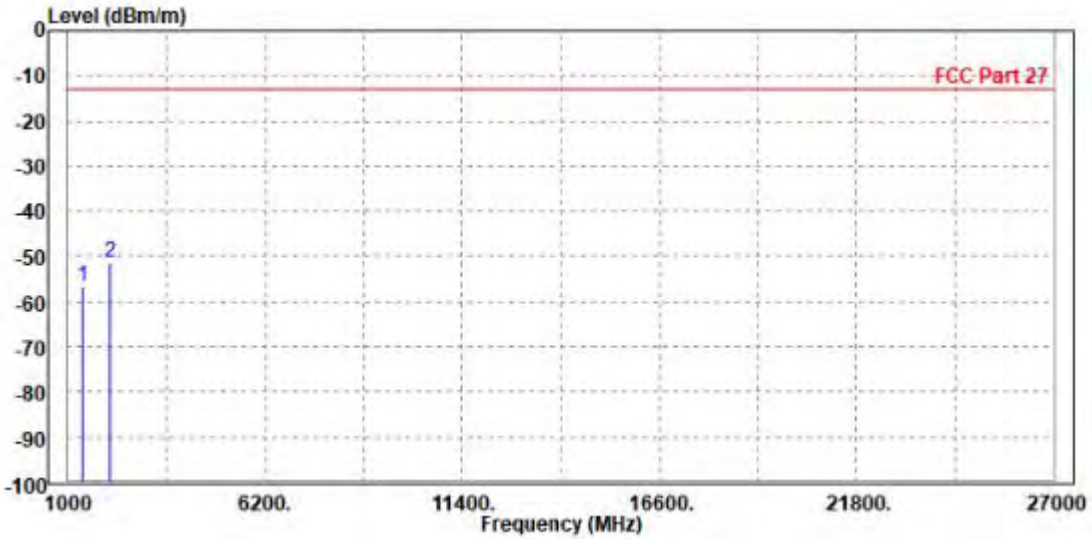
LTE BAND 12

CHANNEL BANDWIDTH: 1.4MHz / QPSK

CH23017

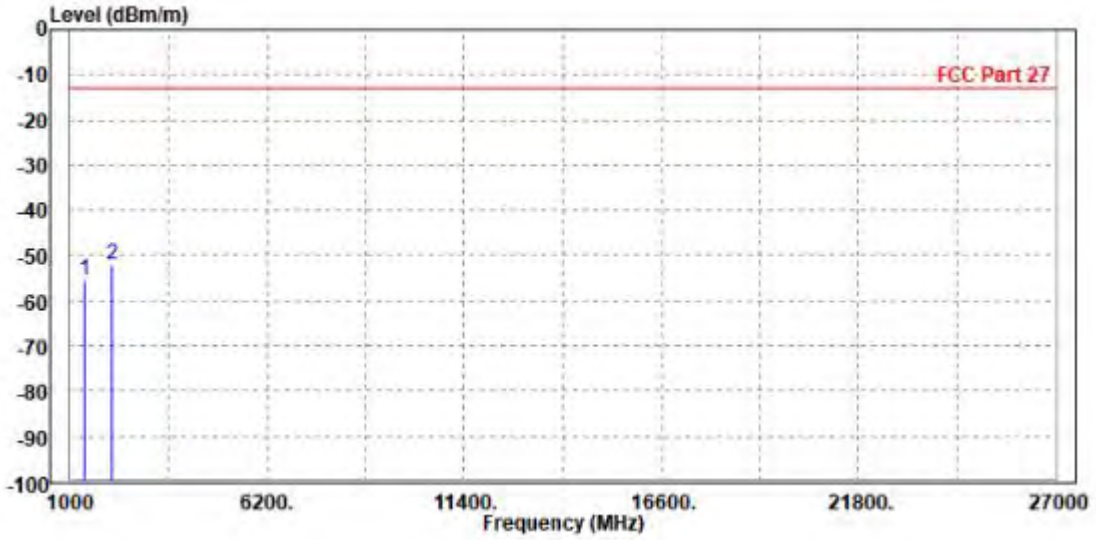
MODE	TX channel 23017	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1390.000	-56.51	-57.48	-13.00	-43.51	0.97	Peak	Horizontal
2 PP	2099.100	-51.27	-58.92	-13.00	-38.27	7.65	Peak	Horizontal



MODE	TX channel 23017	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

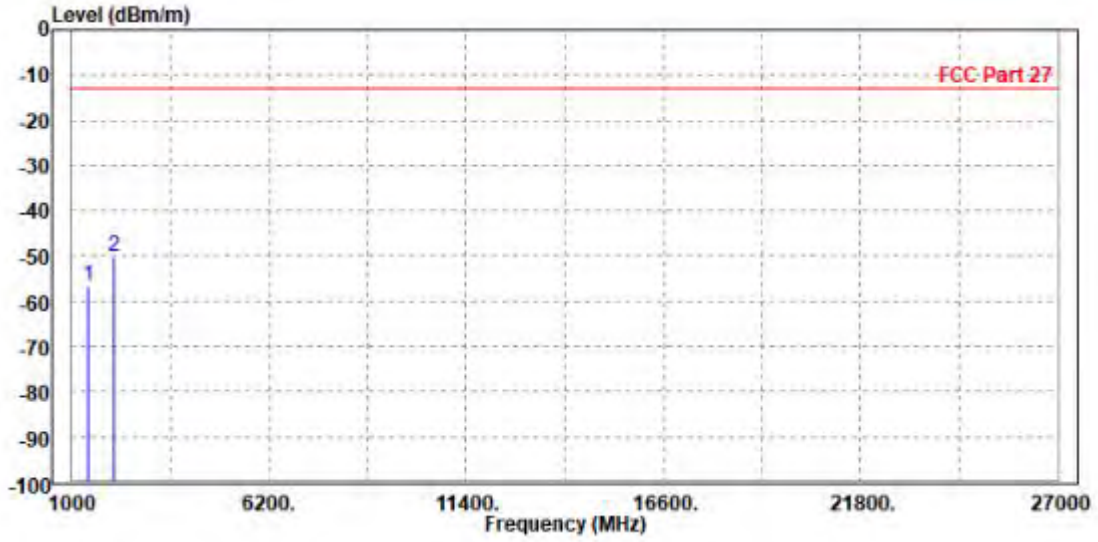
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1390.000	-55.55	-57.13	-13.00	-42.55	1.58	Peak	Vertical
2 PP	2099.100	-51.94	-58.60	-13.00	-38.94	6.66	Peak	Vertical



CH23095

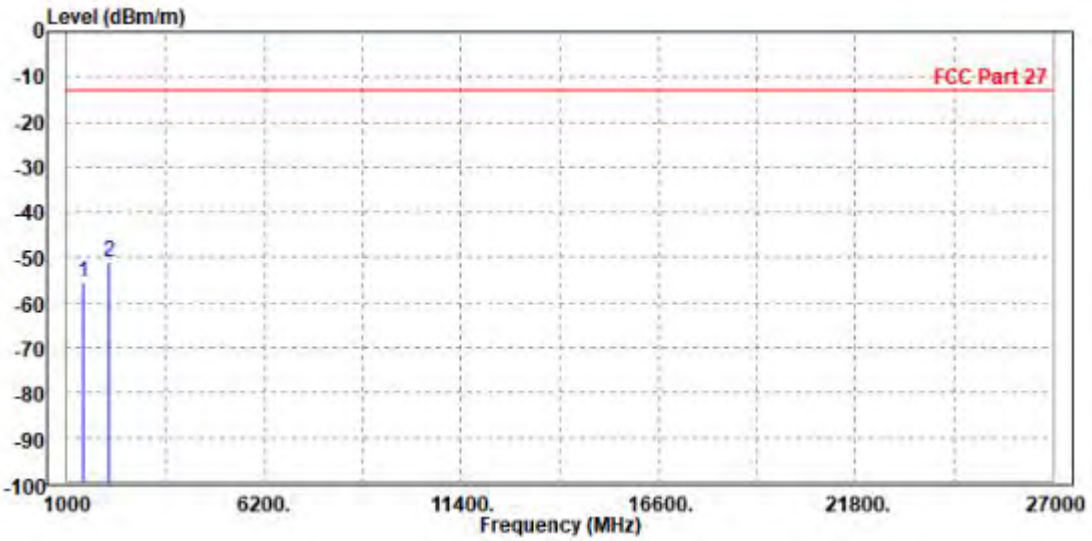
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-56.49	-57.57	-13.00	-43.49	1.08	Peak	Horizontal
2 PP	2122.500	-50.34	-58.01	-13.00	-37.34	7.67	Peak	Horizontal



MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

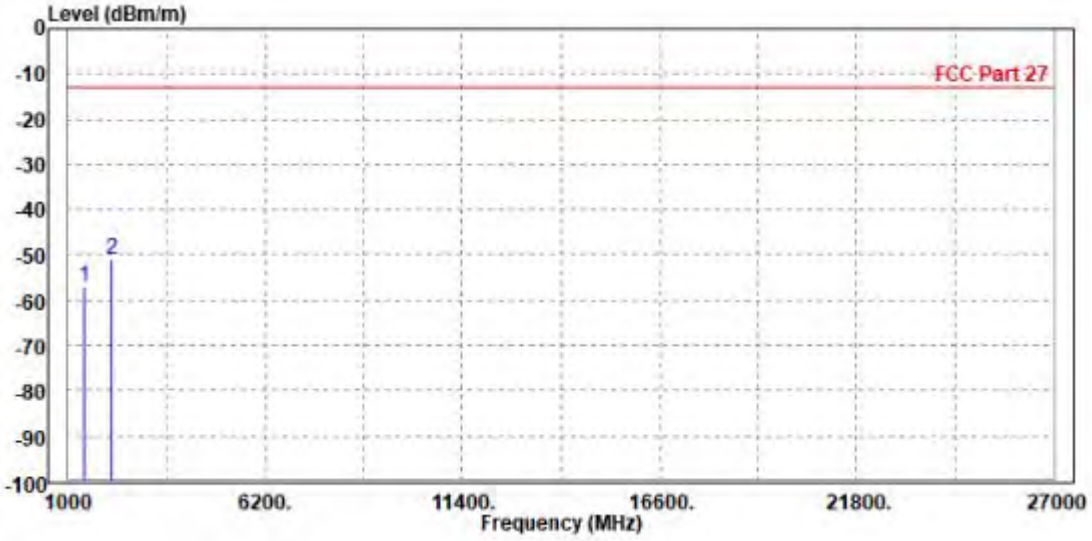
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-55.57	-57.26	-13.00	-42.57	1.69	Peak	Vertical
2 PP	2122.500	-51.13	-57.82	-13.00	-38.13	6.69	Peak	Vertical



CH23173

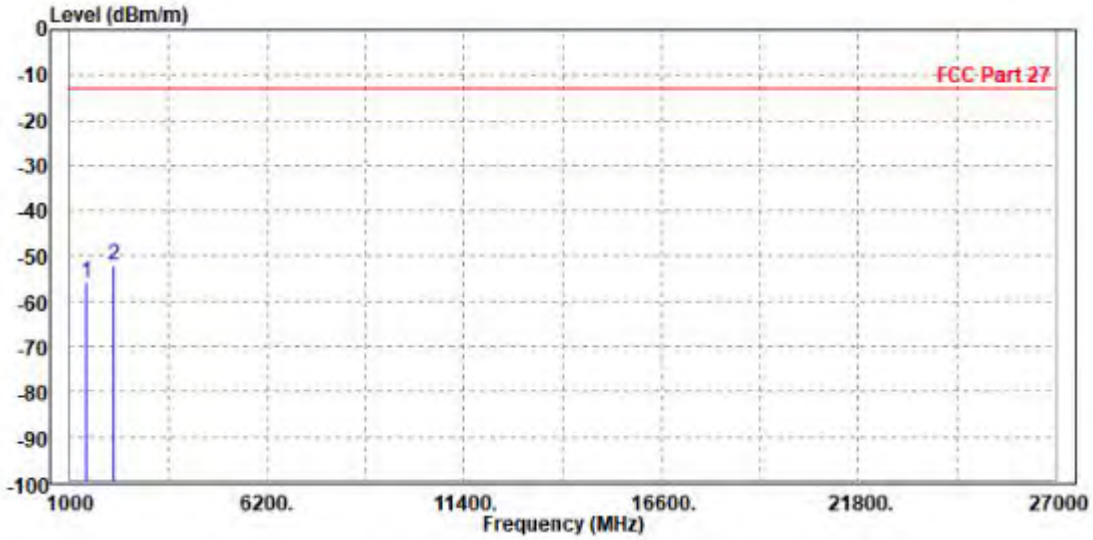
MODE	TX channel 23173	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1442.000	-56.97	-58.16	-13.00	-43.97	1.19	Peak	Horizontal
2 PP	2145.900	-50.95	-58.64	-13.00	-37.95	7.69	Peak	Horizontal



MODE	TX channel 23173	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

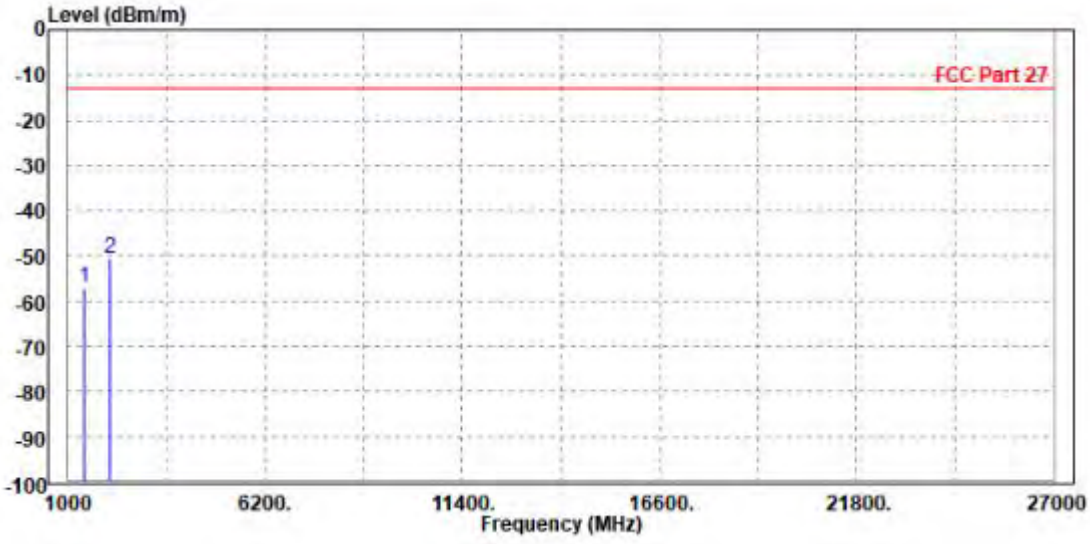
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1442.000	-56.05	-57.85	-13.00	-43.05	1.80	Peak	Vertical
2 PP	2145.900	-52.11	-58.82	-13.00	-39.11	6.71	Peak	Vertical



CHANNEL BANDWIDTH: 3MHz / QPSK

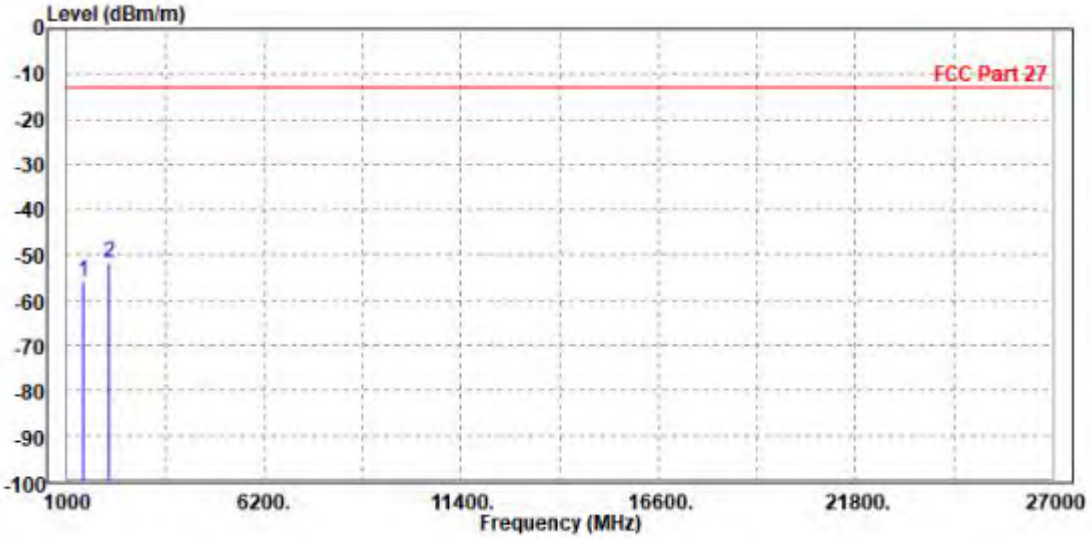
MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-56.92	-58.00	-13.00	-43.92	1.08	Peak	Horizontal
2 PP	2122.500	-50.51	-58.18	-13.00	-37.51	7.67	Peak	Horizontal



MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

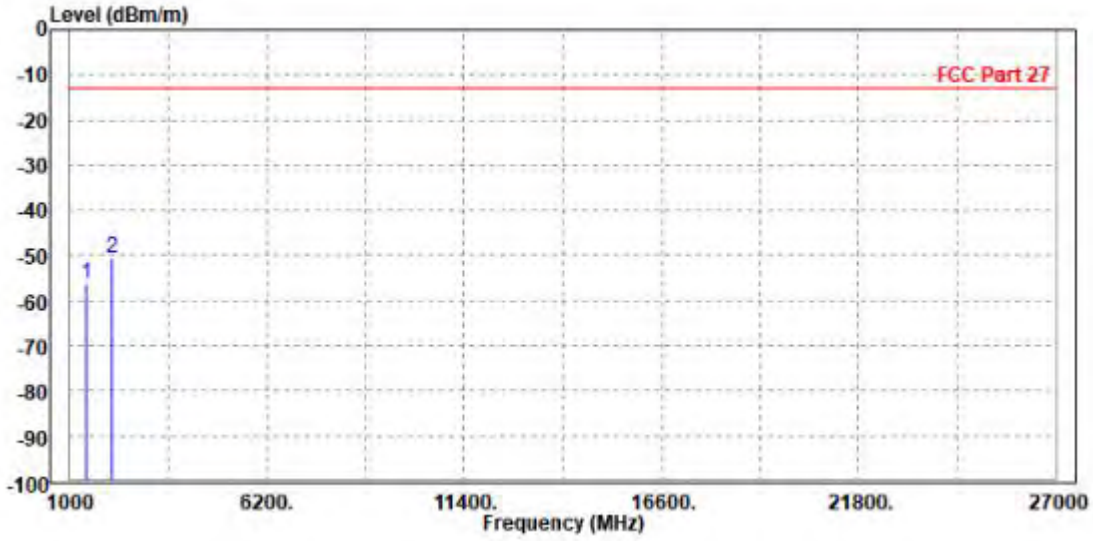
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-55.95	-57.64	-13.00	-42.95	1.69	Peak	Vertical
2 PP	2122.500	-51.56	-58.25	-13.00	-38.56	6.69	Peak	Vertical



CHANNEL BANDWIDTH: 5MHz / QPSK

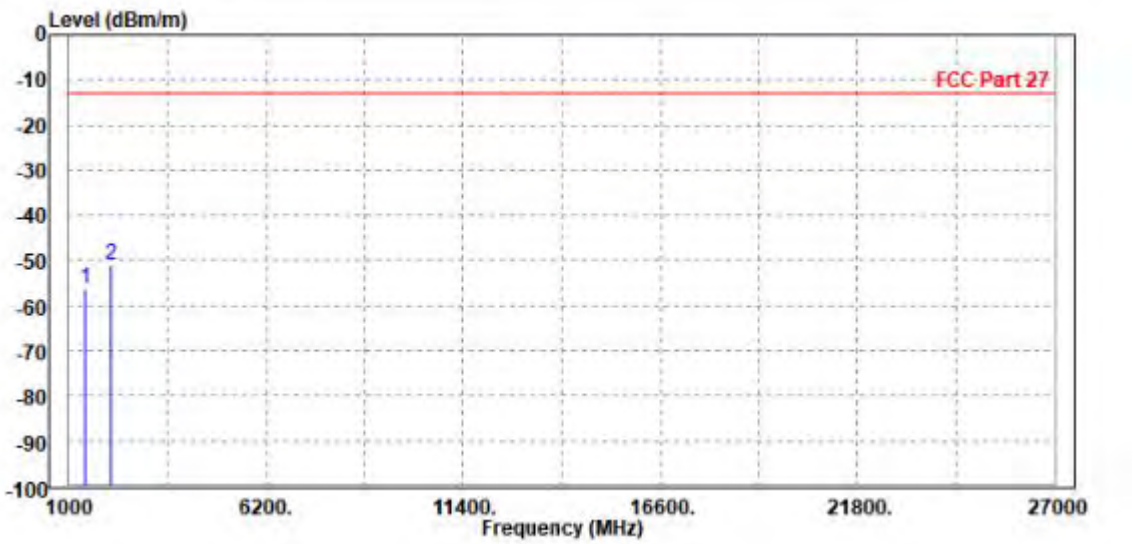
MODE	TX channel 23095	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-56.35	-57.43	-13.00	-43.35	1.08	Peak	Horizontal
2 PP	2122.500	-50.69	-58.36	-13.00	-37.69	7.67	Peak	Horizontal



MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

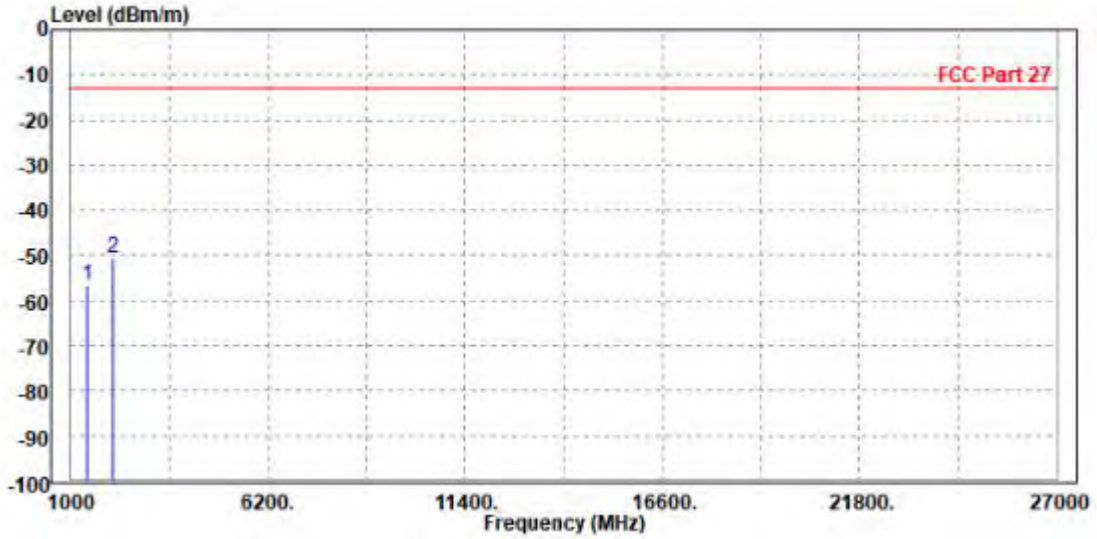
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-56.21	-57.90	-13.00	-43.21	1.69	Peak	Vertical
2 PP	2122.500	-51.06	-57.75	-13.00	-38.06	6.69	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz / QPSK

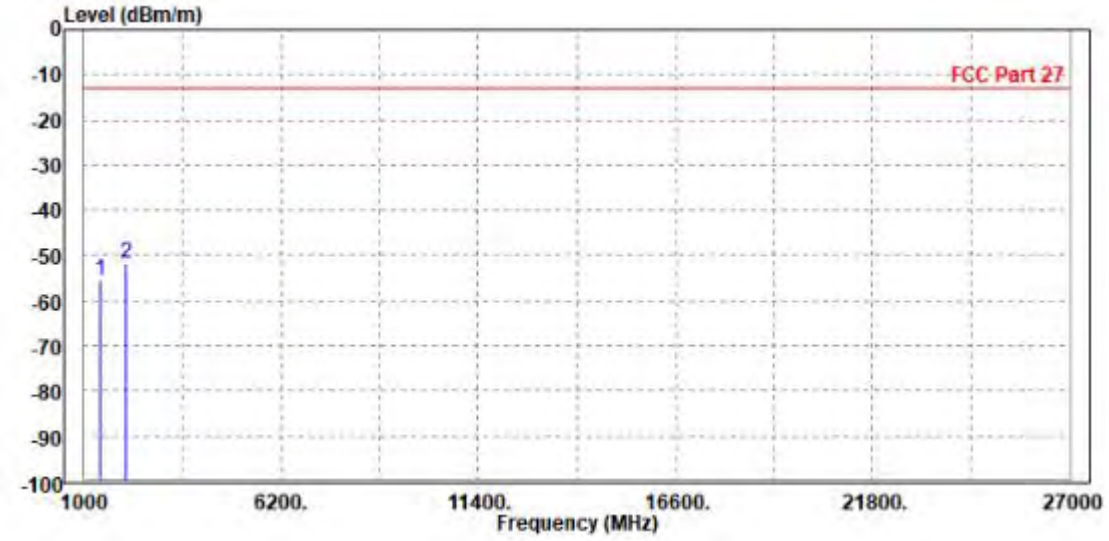
MODE	TX channel 23095	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-56.79	-57.87	-13.00	-43.79	1.08	Peak	Horizontal
2 PP	2122.500	-50.73	-58.40	-13.00	-37.73	7.67	Peak	Horizontal



MODE	TX channel 23095	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1416.000	-55.68	-57.37	-13.00	-42.68	1.69	Peak	Vertical
2 PP	2122.500	-51.60	-58.29	-13.00	-38.60	6.69	Peak	Vertical



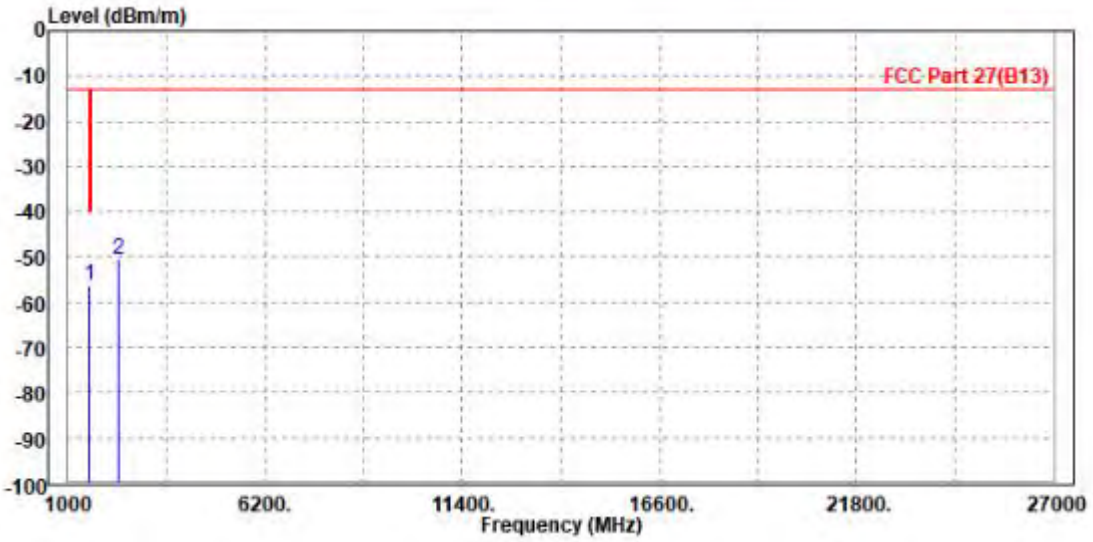
LTE B13

CHANNEL BANDWIDTH: 5MHz / QPSK

CH23205

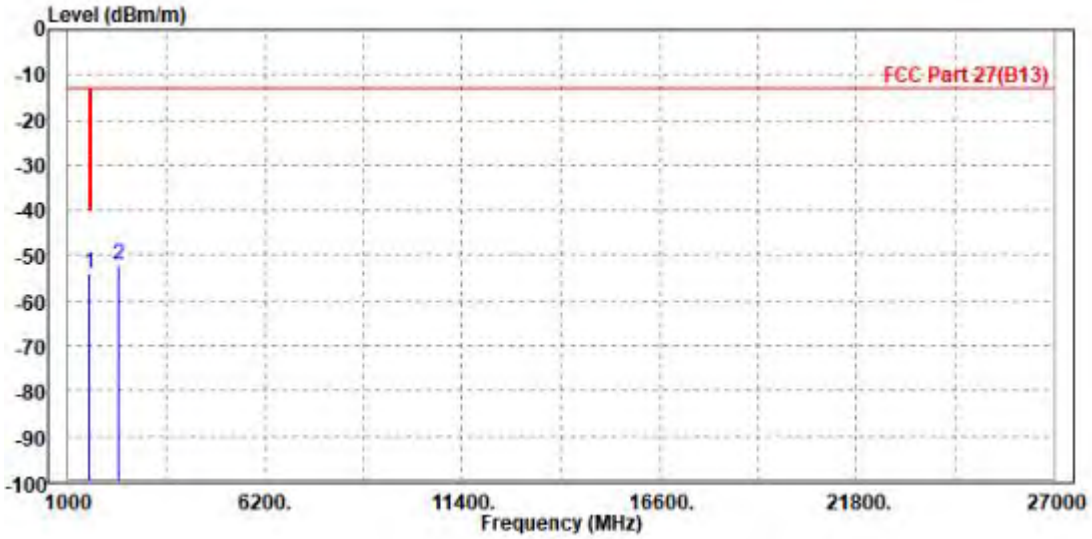
MODE	TX channel 23205	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1572.000	-56.37	-58.69	-40.00	-16.37	2.32	Peak	Horizontal
2	2338.500	-50.59	-58.48	-13.00	-37.59	7.89	Peak	Horizontal



MODE	TX channel 23205	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

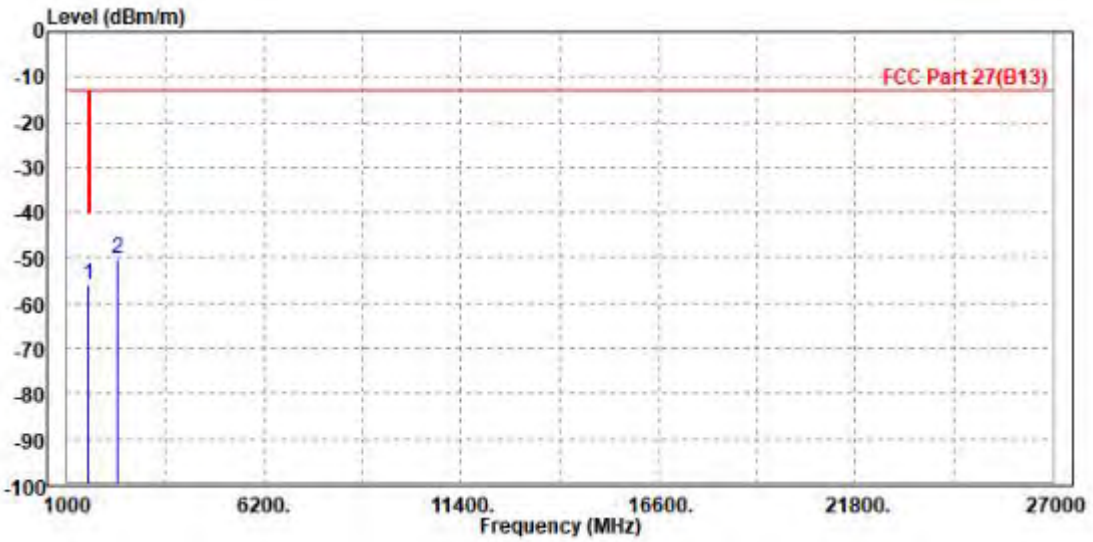
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1572.000	-54.01	-56.71	-40.00	-14.01	2.70	Peak	Vertical
2	2338.500	-52.03	-58.93	-13.00	-39.03	6.90	Peak	Vertical



CH23230

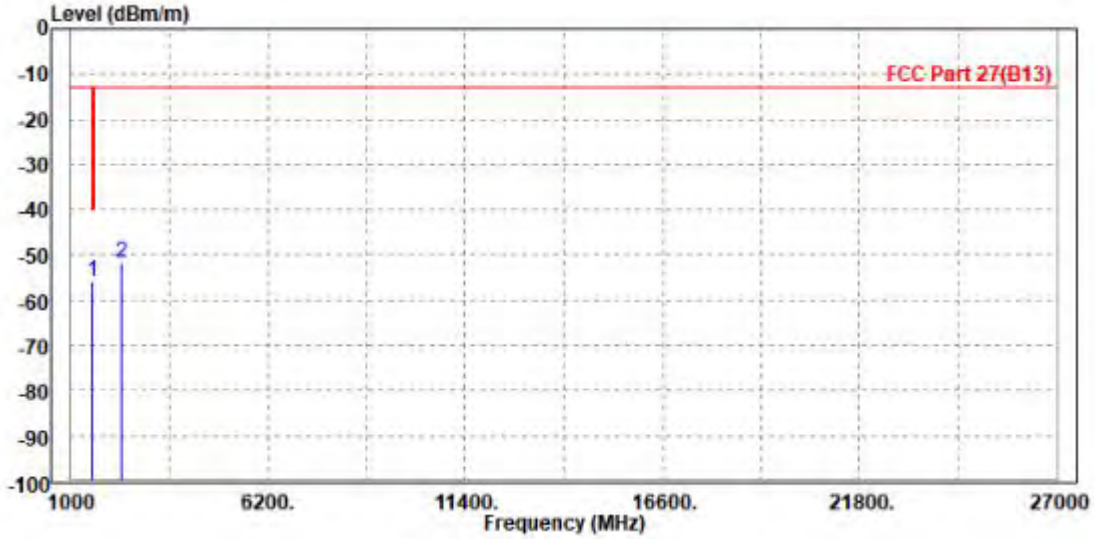
MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	1572.000	-55.71	-58.03	-40.00	-15.71	2.32	Peak	Horizontal
2	2346.000	-50.01	-57.91	-13.00	-37.01	7.90	Peak	Horizontal



MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

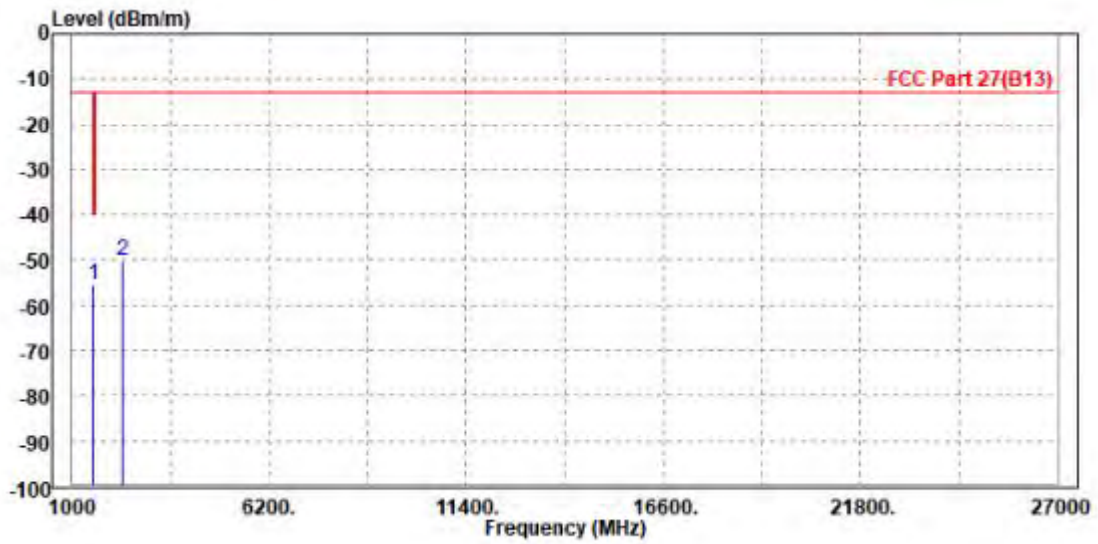
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1572.000	-55.73	-58.43	-40.00	-15.73	2.70	Peak	Vertical
2	2346.000	-51.63	-58.54	-13.00	-38.63	6.91	Peak	Vertical



CH23255

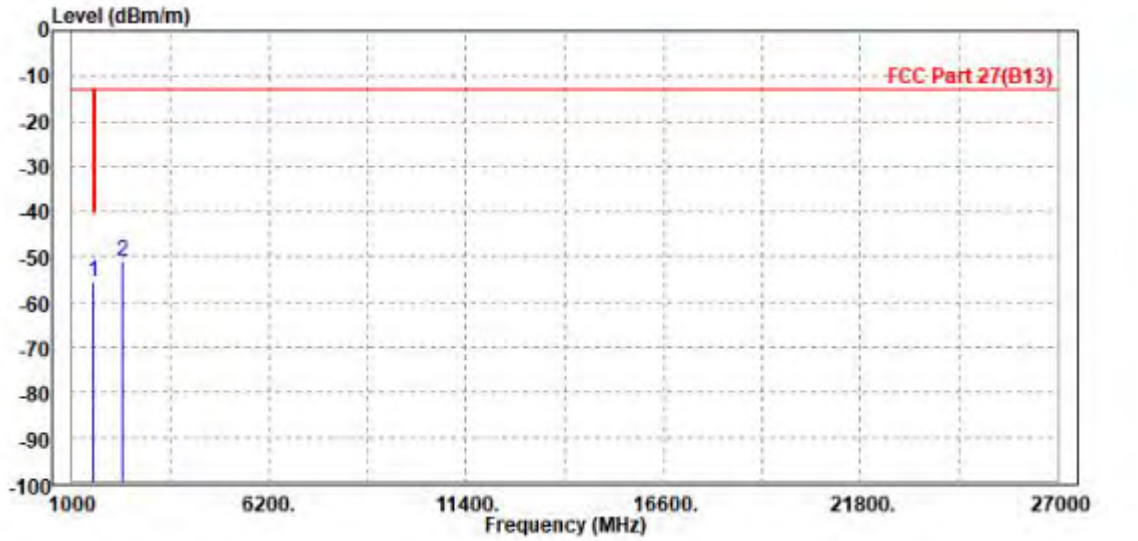
MODE	TX channel 23255	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1572.000	-55.59	-57.91	-40.00	-15.59	2.32	Peak	Horizontal
2	2353.500	-50.38	-58.28	-13.00	-37.38	7.90	Peak	Horizontal



MODE	TX channel 23255	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

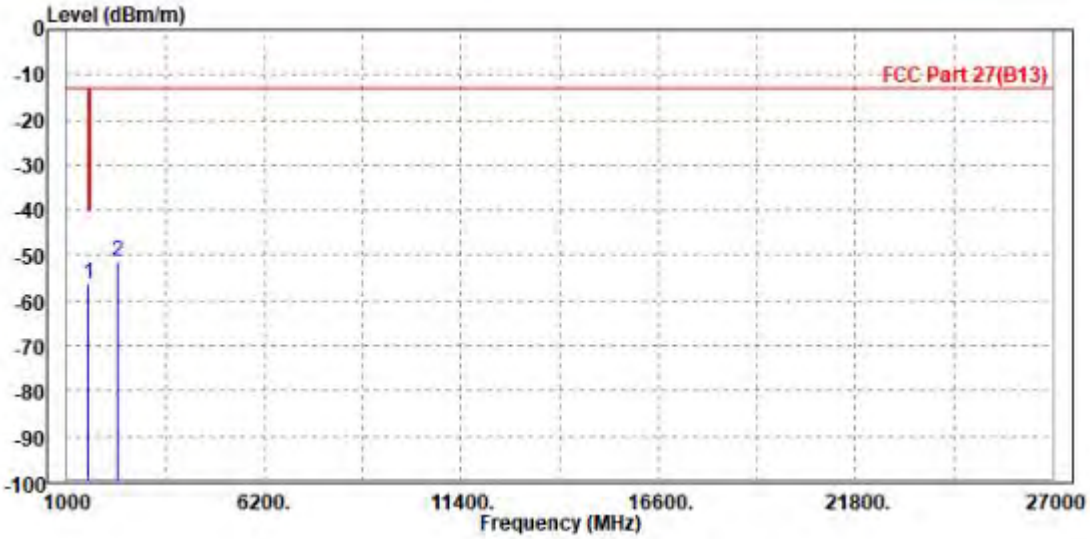
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1572.000	-55.46	-58.16	-40.00	-15.46	2.70	Peak	Vertical
2	2353.500	-50.84	-57.76	-13.00	-37.84	6.92	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz /QPSK

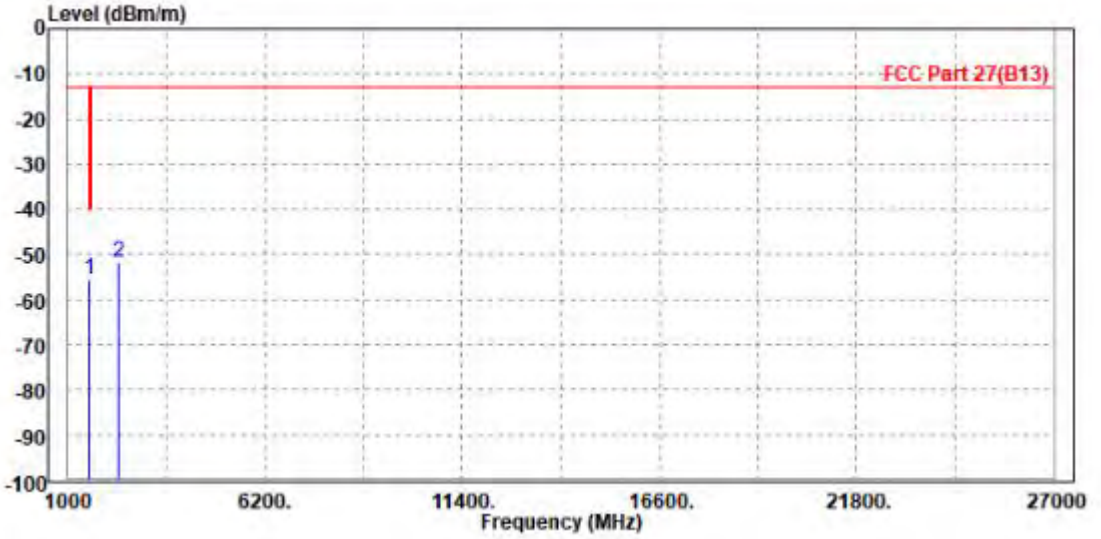
MODE	TX channel 23230	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1572.000	-56.15	-58.47	-40.00	-16.15	2.32	Peak	Horizontal
2	2346.000	-51.26	-59.16	-13.00	-38.26	7.90	Peak	Horizontal



MODE	TX channel 23230	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 1572.000	-55.51	-58.21	-40.00	-15.51	2.70	Peak	Vertical
2	2346.000	-51.73	-58.64	-13.00	-38.73	6.91	Peak	Vertical

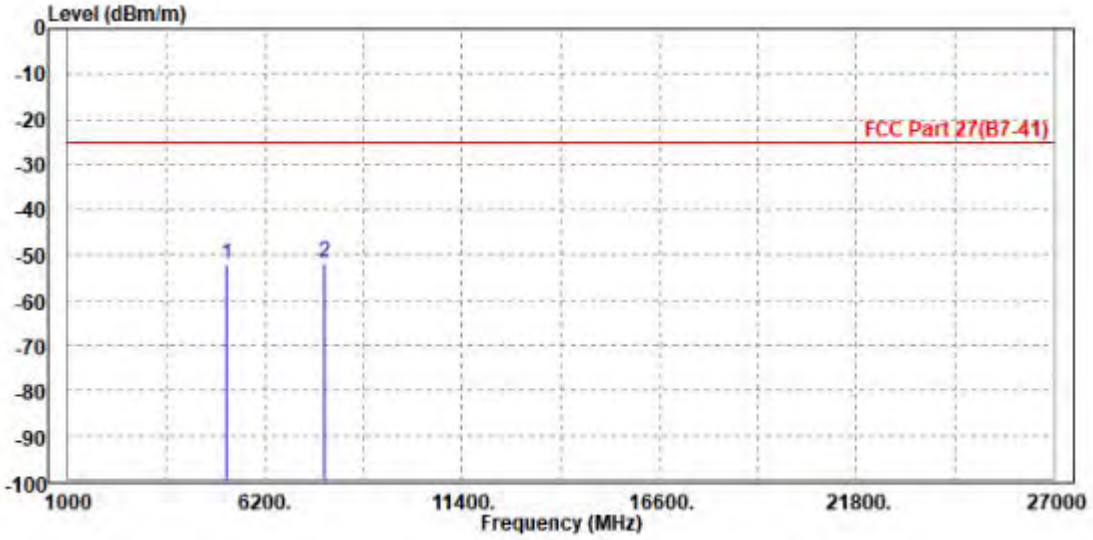


LTE BAND 41

CHANNEL BANDWIDTH: 5MHz / QPSK

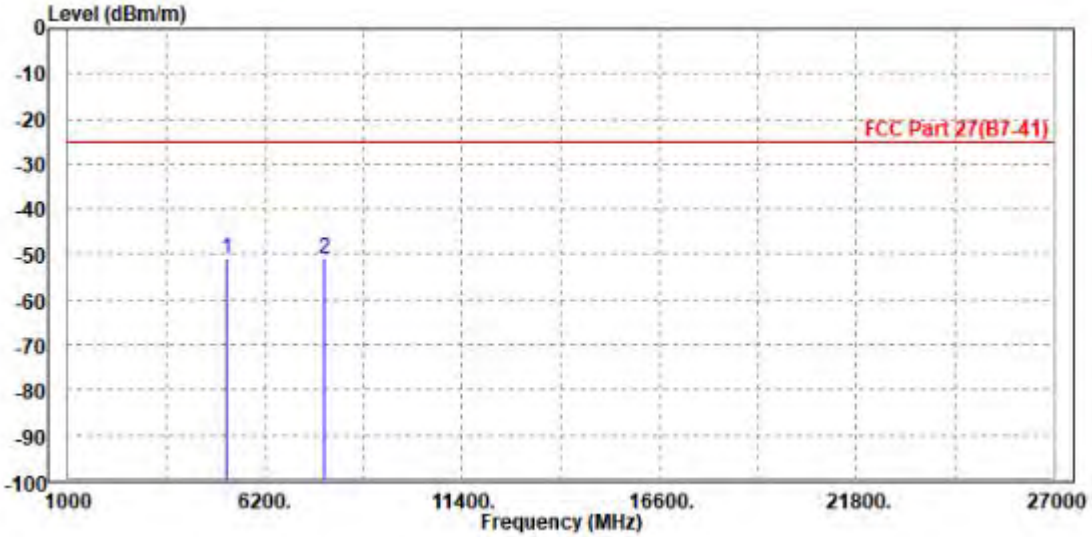
MODE	TX channel 40620	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-52.12	-61.20	-25.00	-27.12	9.08	Peak	Horizontal
2 PP	7779.000	-51.56	-63.03	-25.00	-26.56	11.47	Peak	Horizontal



MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

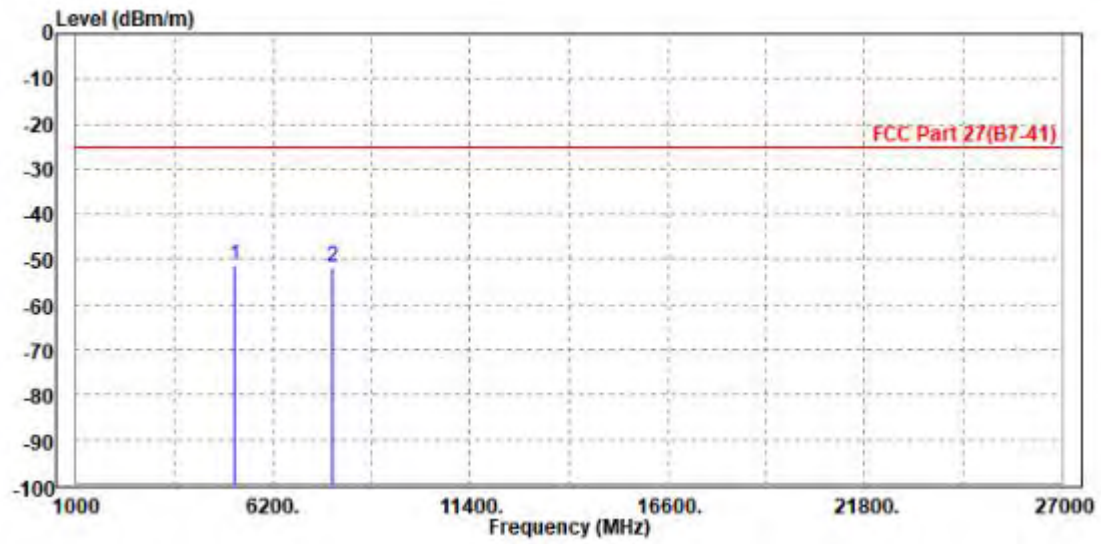
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-50.89	-60.72	-25.00	-25.89	9.83	Peak	Vertical
2	7779.000	-51.10	-63.95	-25.00	-26.10	12.85	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz / QPSK

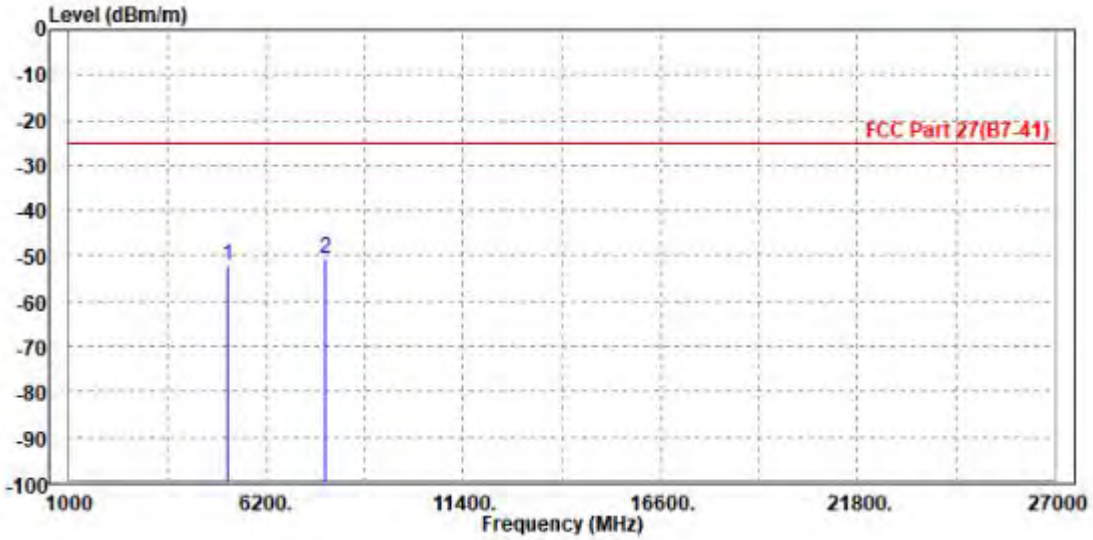
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-51.51	-60.59	-25.00	-26.51	9.08	Peak	Horizontal
2	7779.000	-51.62	-63.09	-25.00	-26.62	11.47	Peak	Horizontal



MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

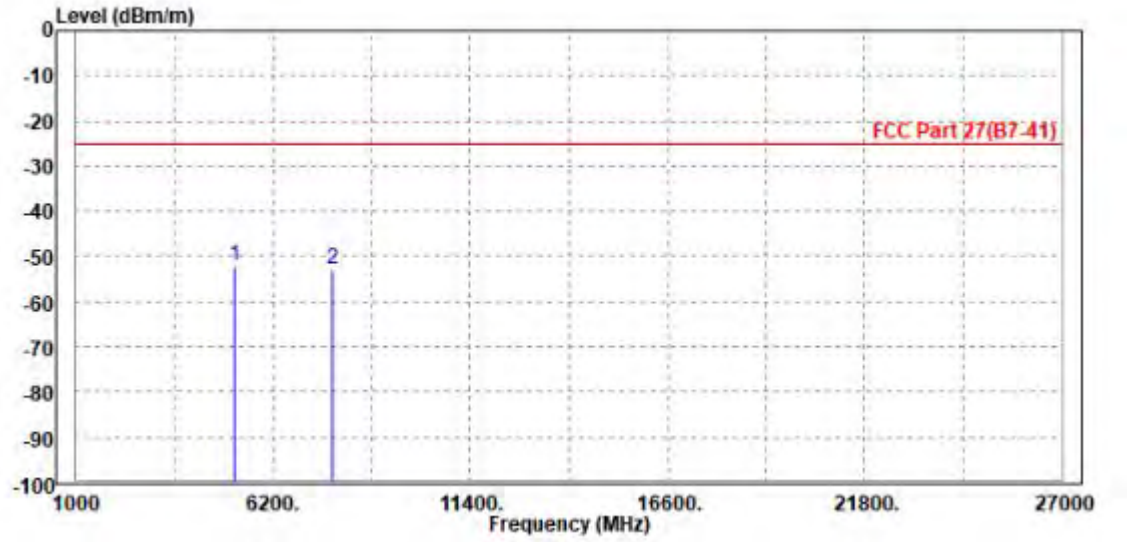
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.98	-61.81	-25.00	-26.98	9.83	Peak	Vertical
2 PP	7779.000	-50.39	-63.24	-25.00	-25.39	12.85	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz / QPSK

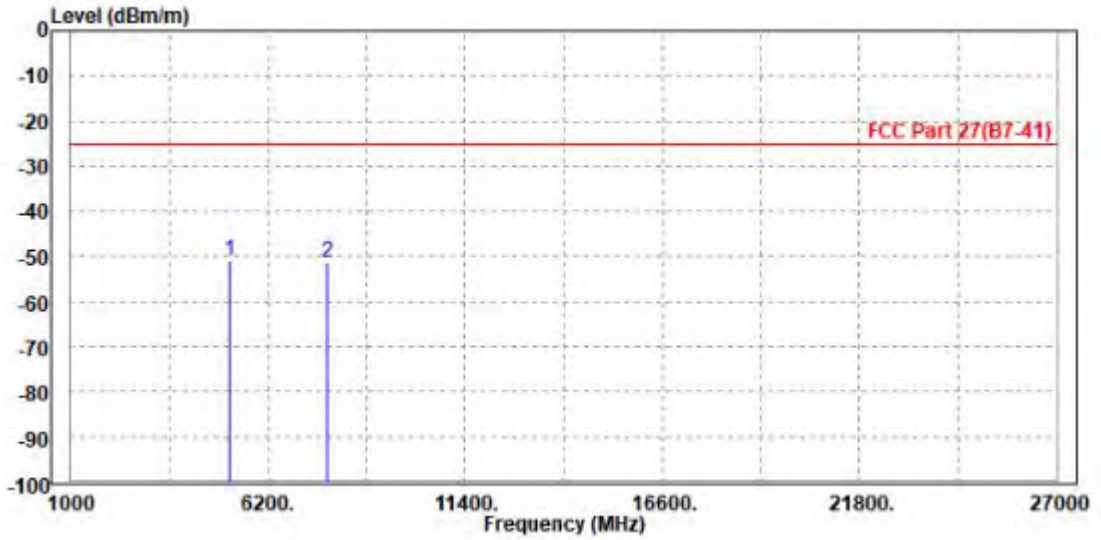
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	5186.000	-51.92	-61.00	-25.00	-26.92	9.08	Peak	Horizontal
2	7779.000	-52.66	-64.13	-25.00	-27.66	11.47	Peak	Horizontal



MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-51.06	-60.89	-25.00	-26.06	9.83	Peak	Vertical
2	7779.000	-51.32	-64.17	-25.00	-26.32	12.85	Peak	Vertical

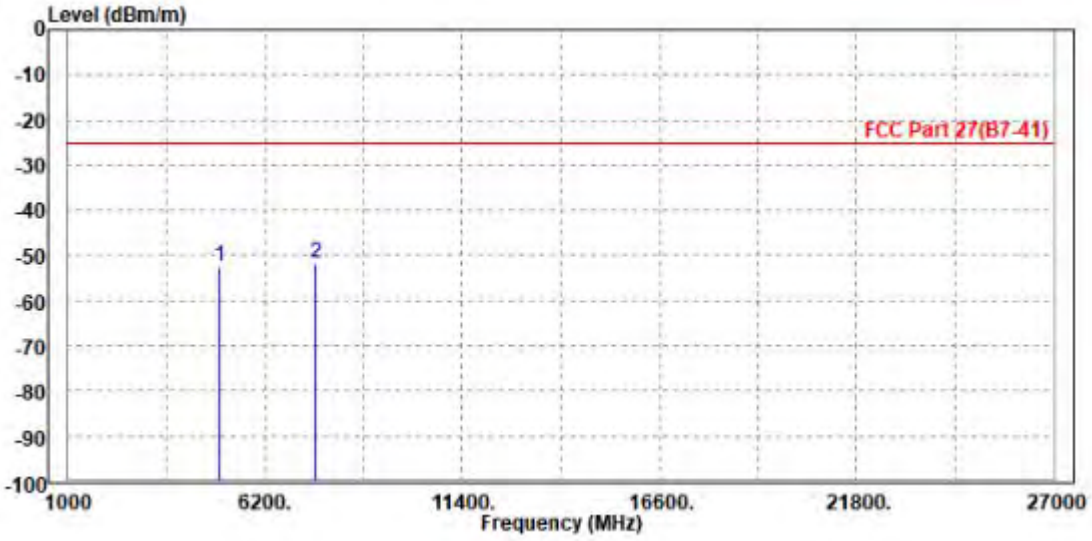


CHANNEL BANDWIDTH: 20MHz / QPSK

CH39750

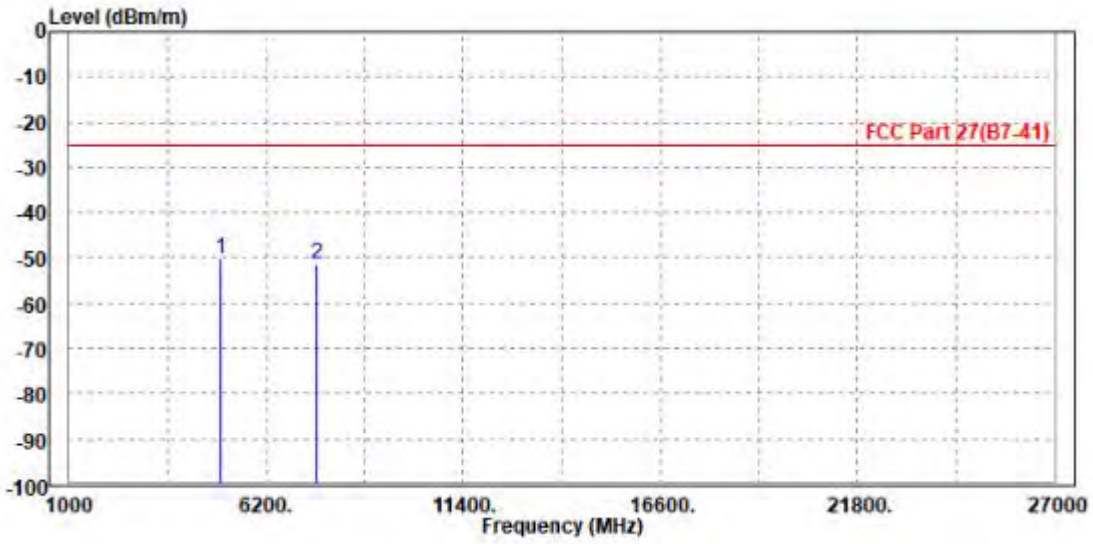
MODE	TX channel 39750	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5004.000	-52.36	-60.90	-25.00	-27.36	8.54	Peak	Horizontal
2 PP	7518.000	-51.59	-62.96	-25.00	-26.59	11.37	Peak	Horizontal



MODE	TX channel 39750	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

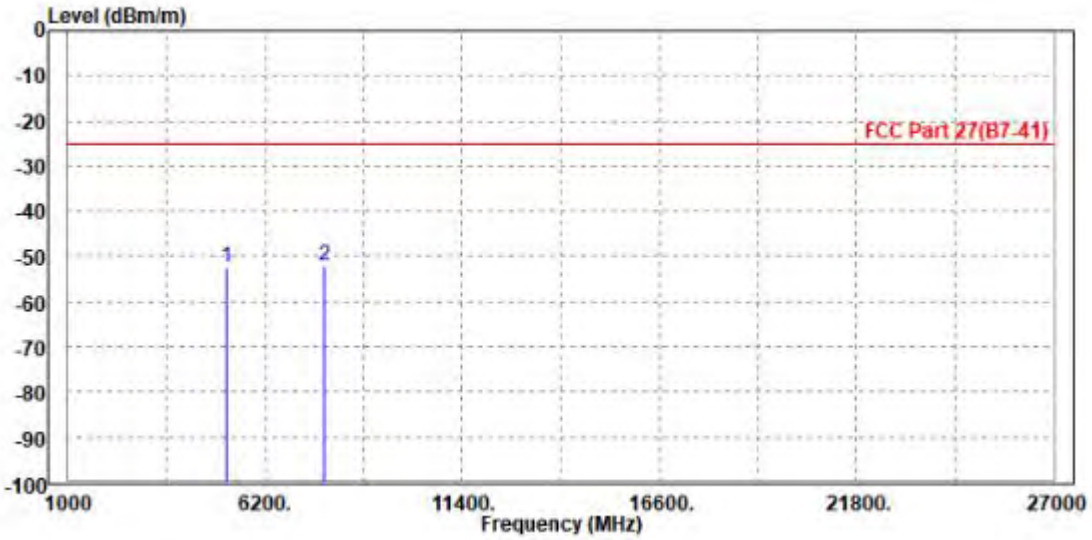
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5004.000	-50.14	-60.04	-25.00	-25.14	9.90	Peak	Vertical
2	7518.000	-51.45	-64.19	-25.00	-26.45	12.74	Peak	Vertical



CH40620

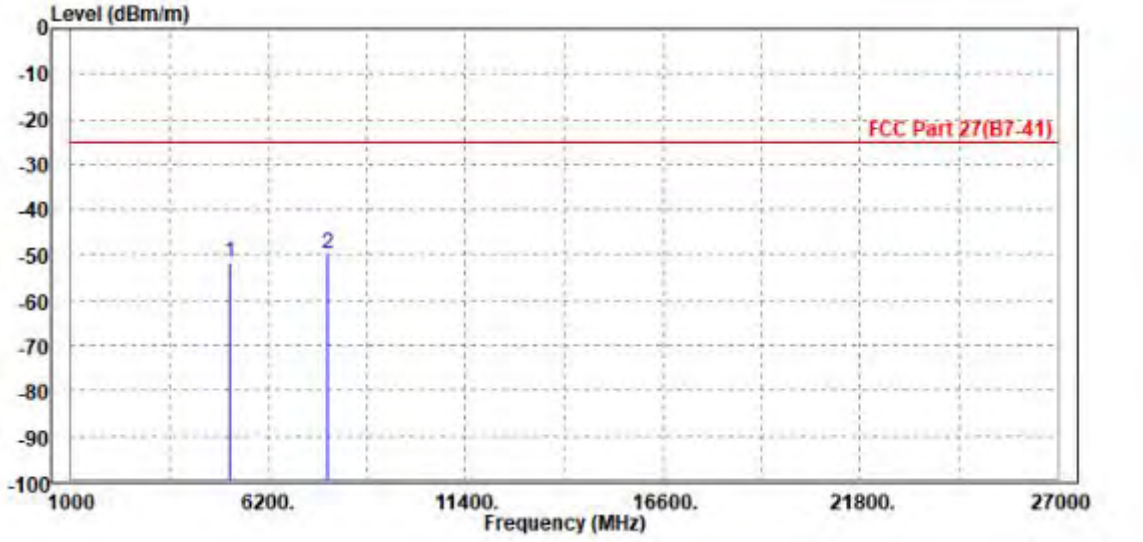
MODE	TX channel 40620	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-52.37	-61.45	-25.00	-27.37	9.08	Peak	Horizontal
2 PP	7779.000	-51.90	-63.37	-25.00	-26.90	11.47	Peak	Horizontal



MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

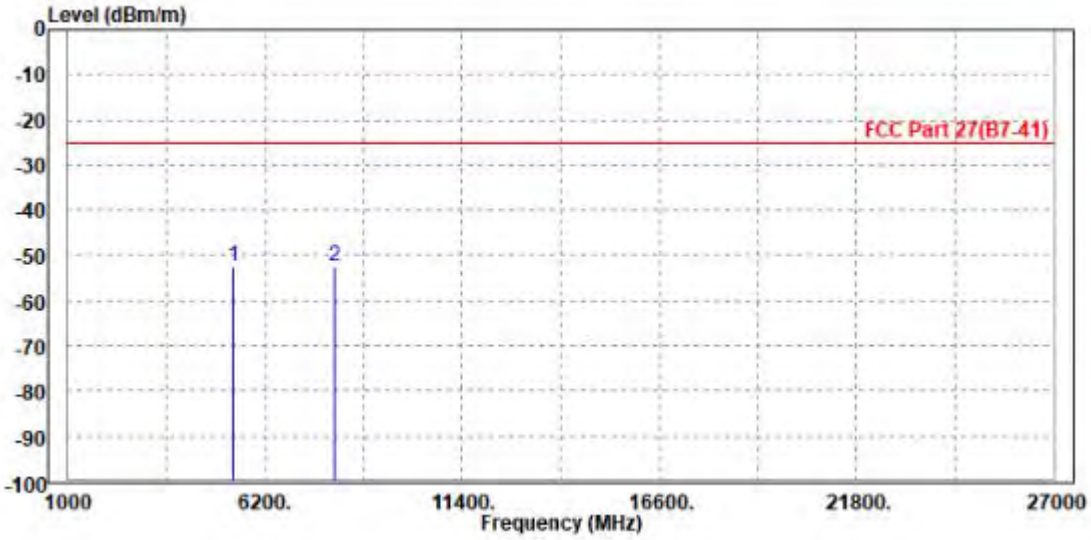
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5186.000	-51.66	-61.49	-25.00	-26.66	9.83	Peak	Vertical
2 PP	7779.000	-49.97	-62.82	-25.00	-24.97	12.85	Peak	Vertical



CH41490

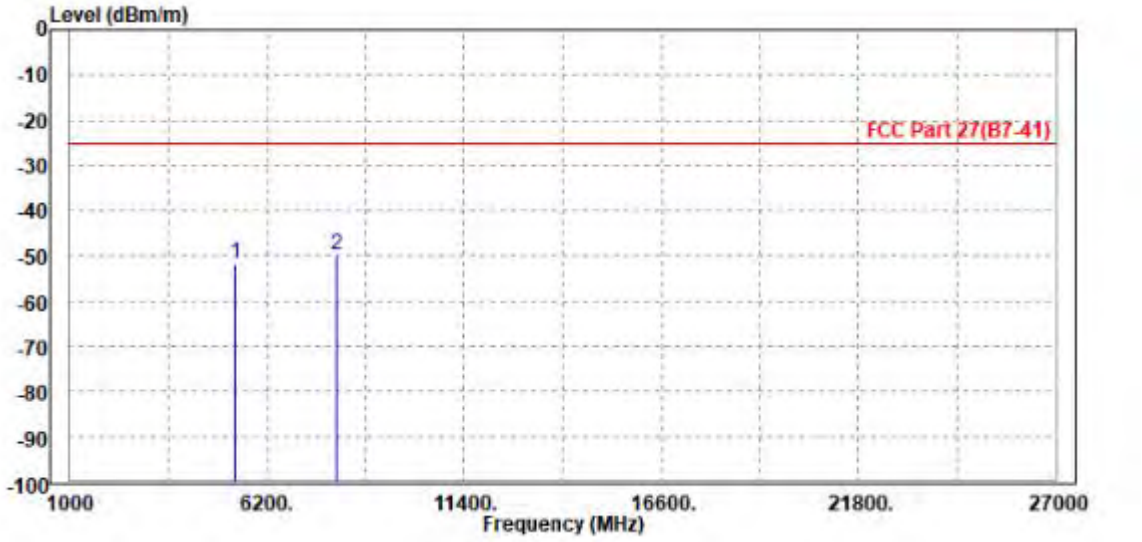
MODE	TX channel 41490	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5368.000	-52.66	-62.29	-25.00	-27.66	9.63	Peak	Horizontal
2 PP	8040.000	-52.30	-63.90	-25.00	-27.30	11.60	Peak	Horizontal



MODE	TX channel 41490	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5368.000	-51.82	-61.58	-25.00	-26.82	9.76	Peak	Vertical
2 PP	8040.000	-49.64	-62.67	-25.00	-24.64	13.03	Peak	Vertical

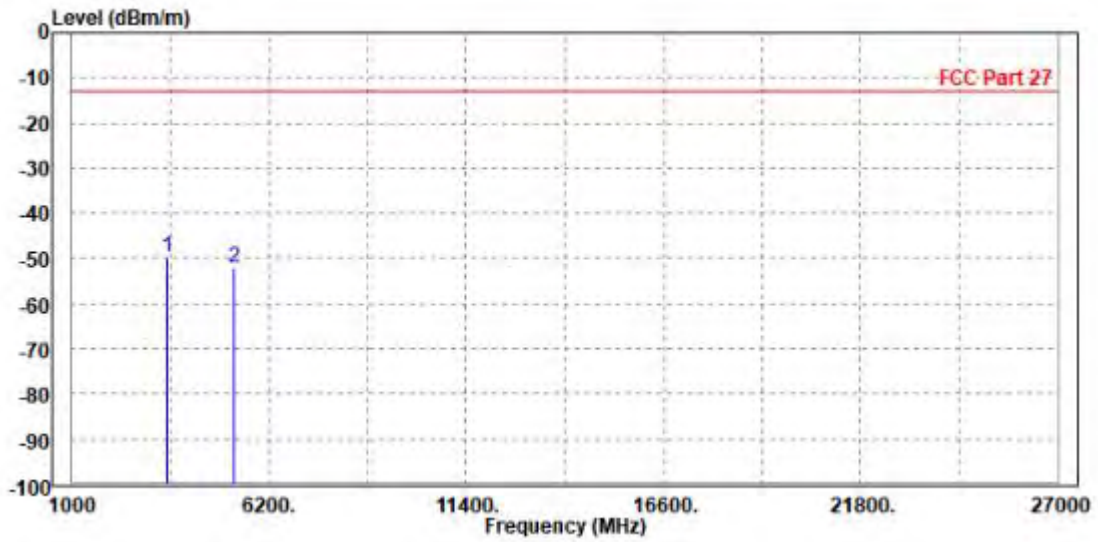


LTE B66

CHANNEL BANDWIDTH: 1.4MHz / QPSK

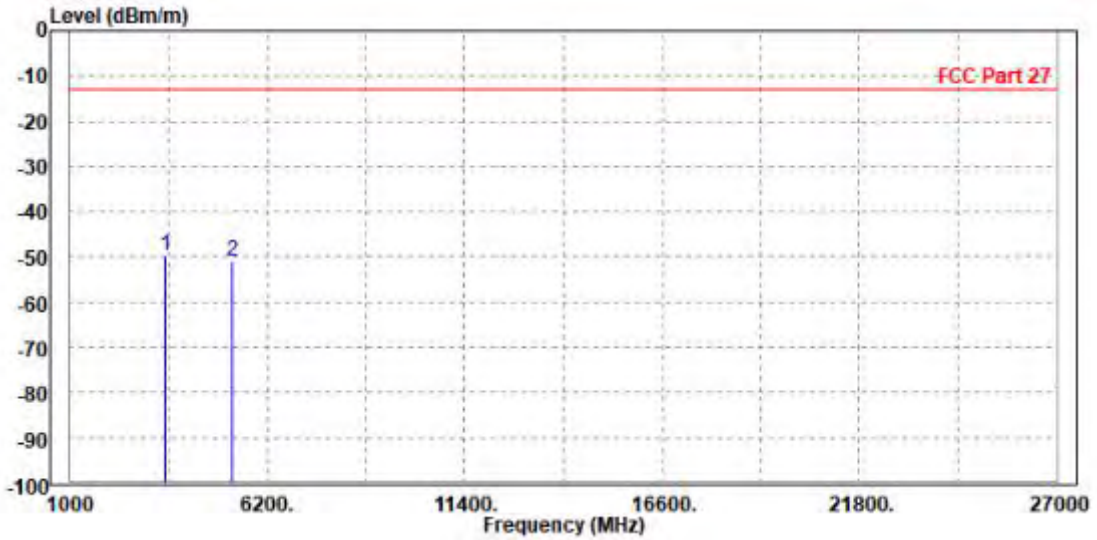
MODE	TX channel 132322	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3522.000	-49.97	-58.57	-13.00	-36.97	8.60	Peak	Horizontal
2	5265.000	-51.95	-61.27	-13.00	-38.95	9.32	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3522.000	-49.77	-58.97	-13.00	-36.77	9.20	Peak	Vertical
2	5265.000	-51.10	-60.90	-13.00	-38.10	9.80	Peak	Vertical

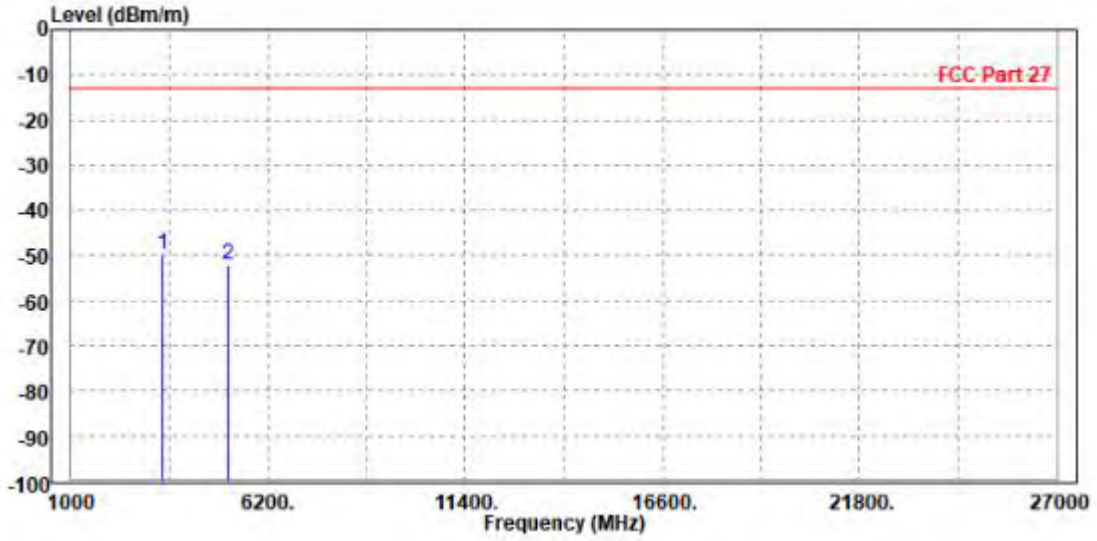


CHANNEL BANDWIDTH: 3MHz / QPSK

CH131987

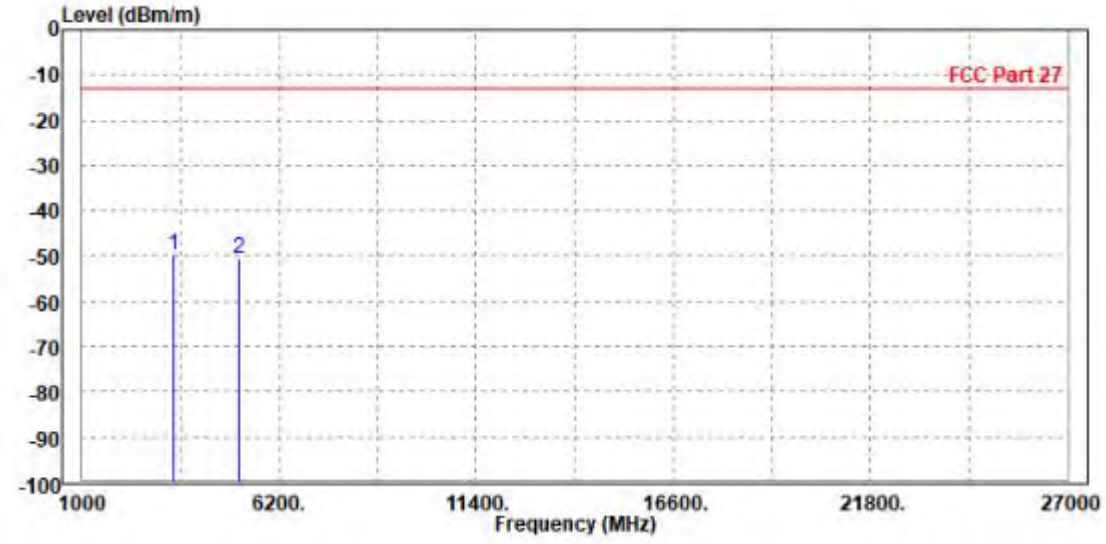
MODE	TX channel 131987	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3418.000	-49.85	-58.44	-13.00	-36.85	8.59	Peak	Horizontal
2	5134.500	-51.93	-60.86	-13.00	-38.93	8.93	Peak	Horizontal



MODE	TX channel 131987	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

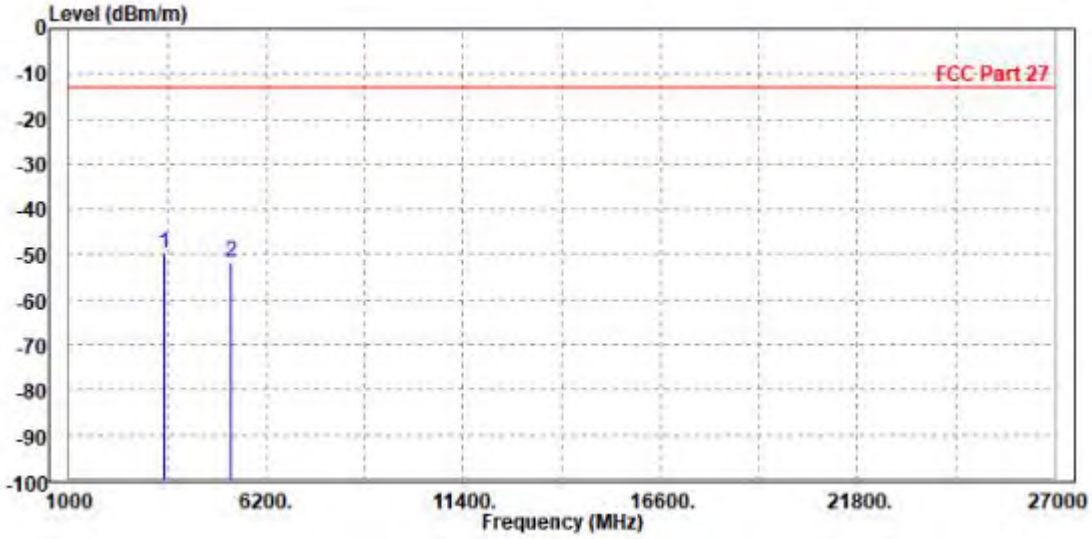
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3418.000	-49.75	-58.86	-13.00	-36.75	9.11	Peak	Vertical
2	5134.500	-50.57	-60.42	-13.00	-37.57	9.85	Peak	Vertical



CH132322

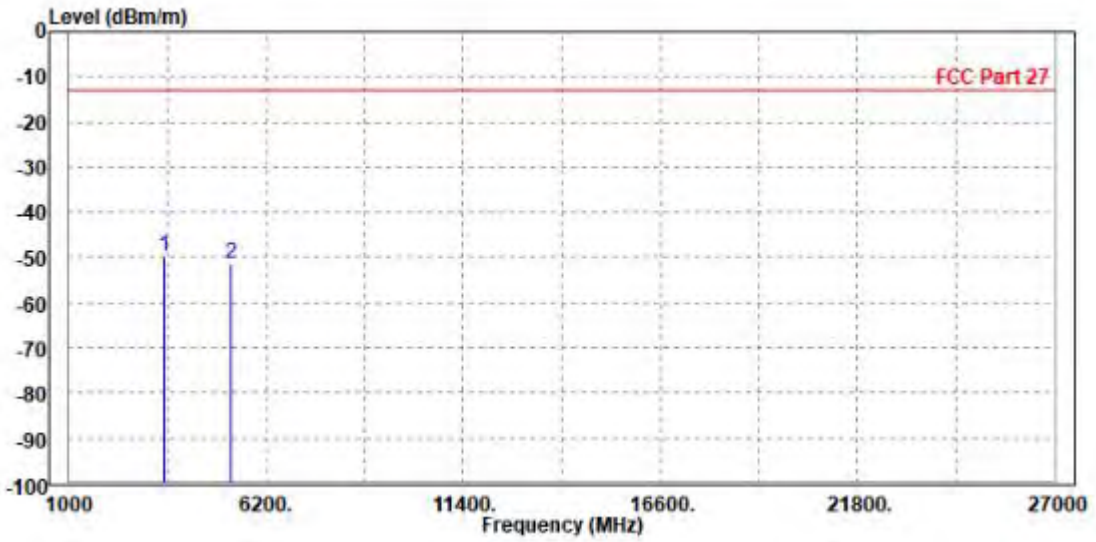
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3522.000	-49.80	-58.40	-13.00	-36.80	8.60	Peak	Horizontal
2	5265.000	-51.73	-61.05	-13.00	-38.73	9.32	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

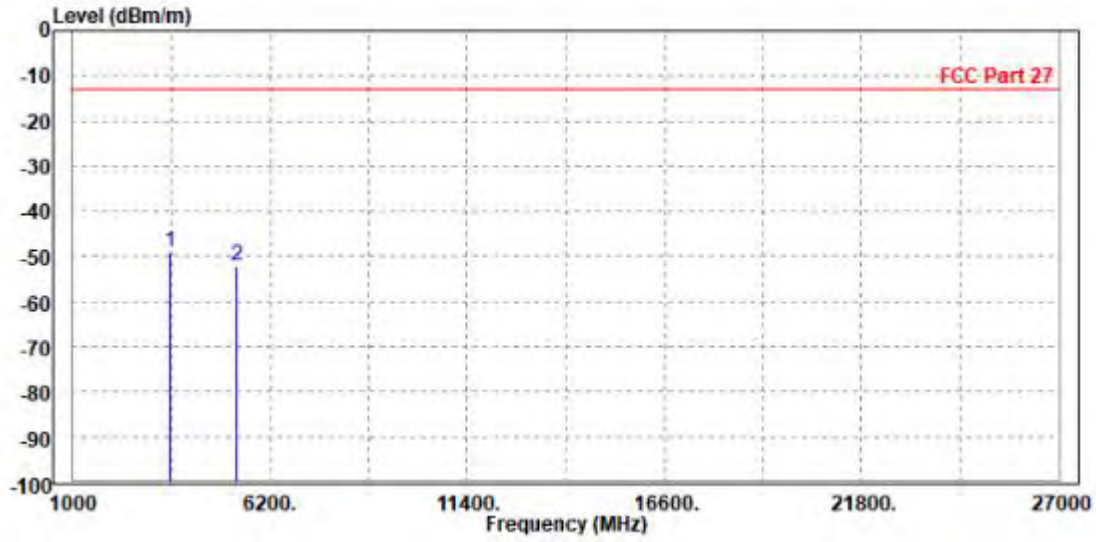
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3522.000	-49.75	-58.95	-13.00	-36.75	9.20	Peak	Vertical
2	5265.000	-51.21	-61.01	-13.00	-38.21	9.80	Peak	Vertical



CH132657

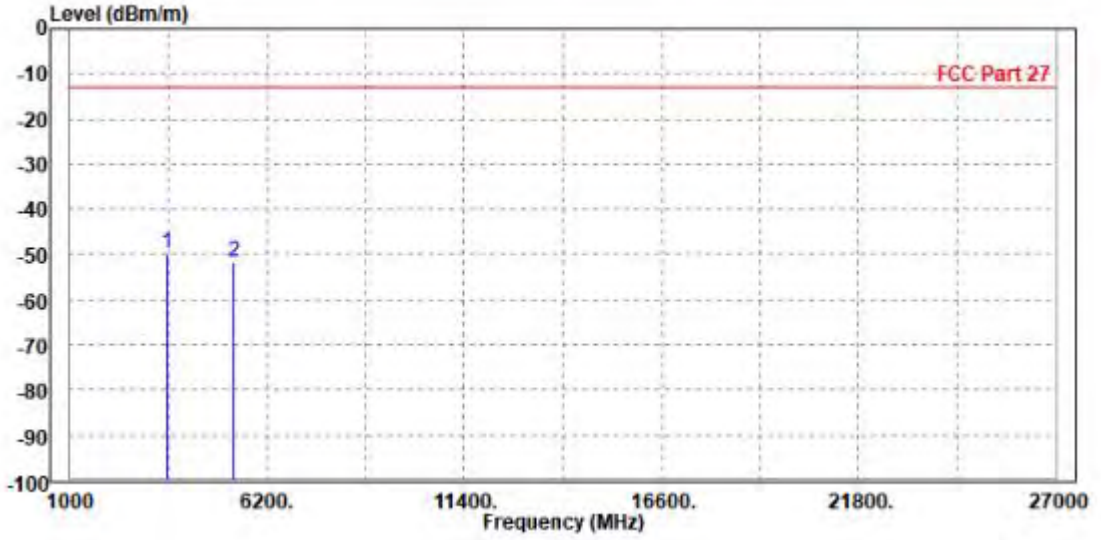
MODE	TX channel 132657	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3548.000	-49.23	-57.85	-13.00	-36.23	8.62	Peak	Horizontal
2	5335.500	-52.07	-61.60	-13.00	-39.07	9.53	Peak	Horizontal



MODE	TX channel 132657	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

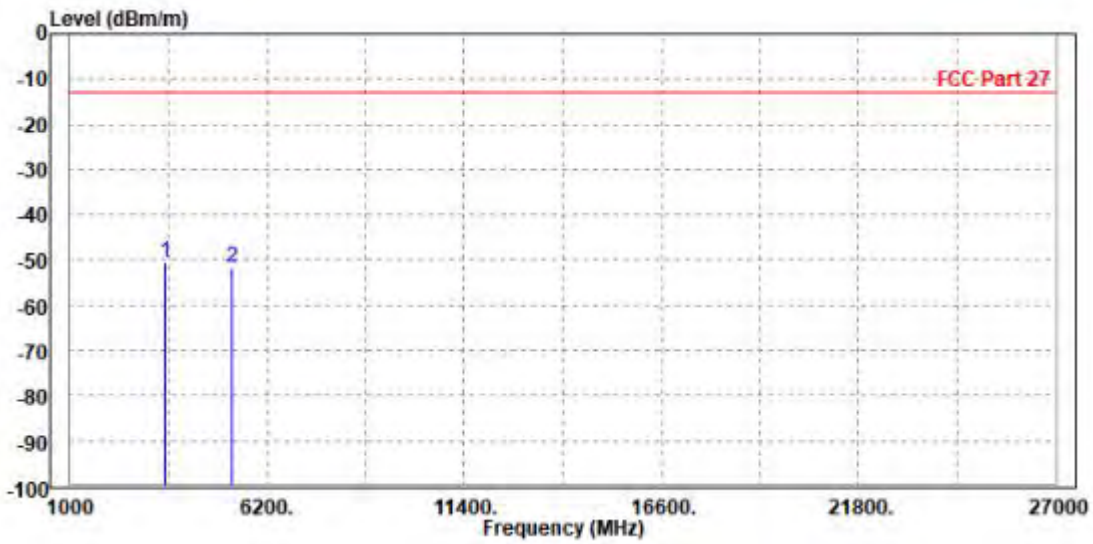
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3548.000	-49.64	-58.85	-13.00	-36.64	9.21	Peak	Vertical
2	5335.500	-51.75	-61.52	-13.00	-38.75	9.77	Peak	Vertical



CHANNEL BANDWIDTH: 5MHz / QPSK

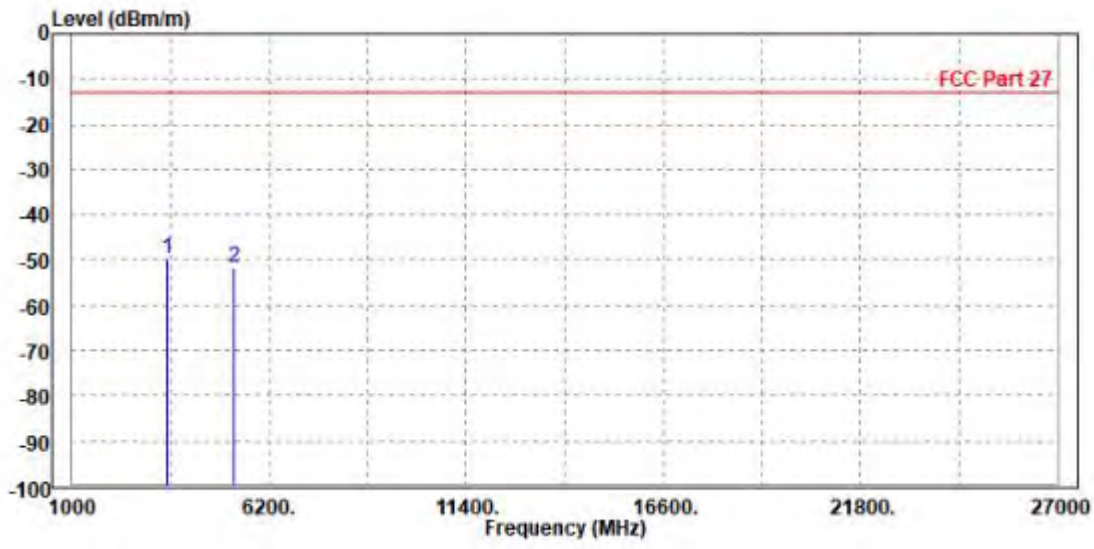
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3522.000	-50.71	-59.31	-13.00	-37.71	8.60	Peak	Horizontal
2	5265.000	-51.90	-61.22	-13.00	-38.90	9.32	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

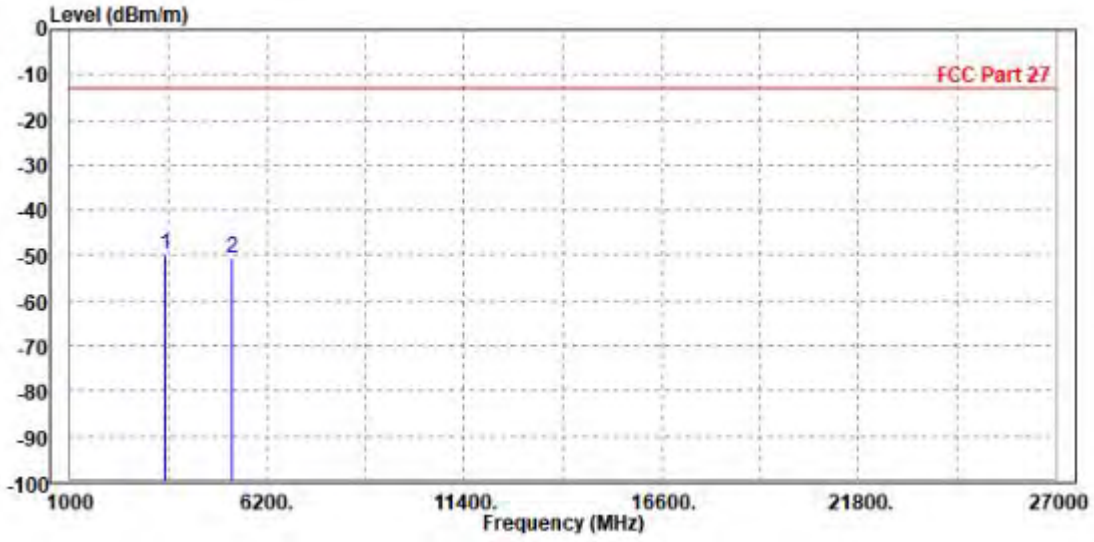
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3522.000	-49.82	-59.02	-13.00	-36.82	9.20	Peak	Vertical
2	5265.000	-51.57	-61.37	-13.00	-38.57	9.80	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz / QPSK

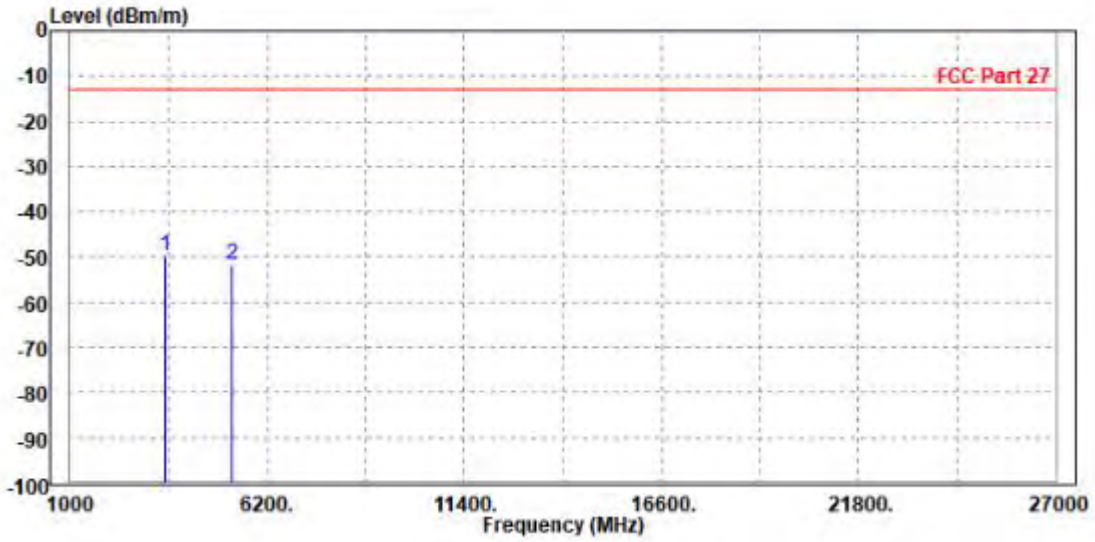
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3522.000	-49.80	-58.40	-13.00	-36.80	8.60	Peak	Horizontal
2	5265.000	-50.74	-60.06	-13.00	-37.74	9.32	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

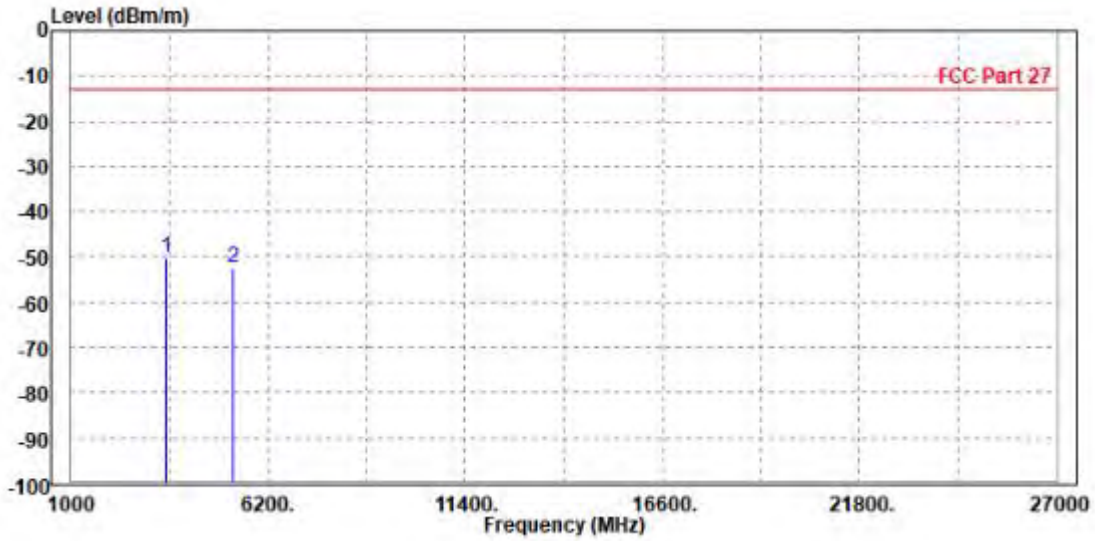
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3522.000	-49.96	-59.16	-13.00	-36.96	9.20	Peak	Vertical
2	5265.000	-51.73	-61.53	-13.00	-38.73	9.80	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz / QPSK

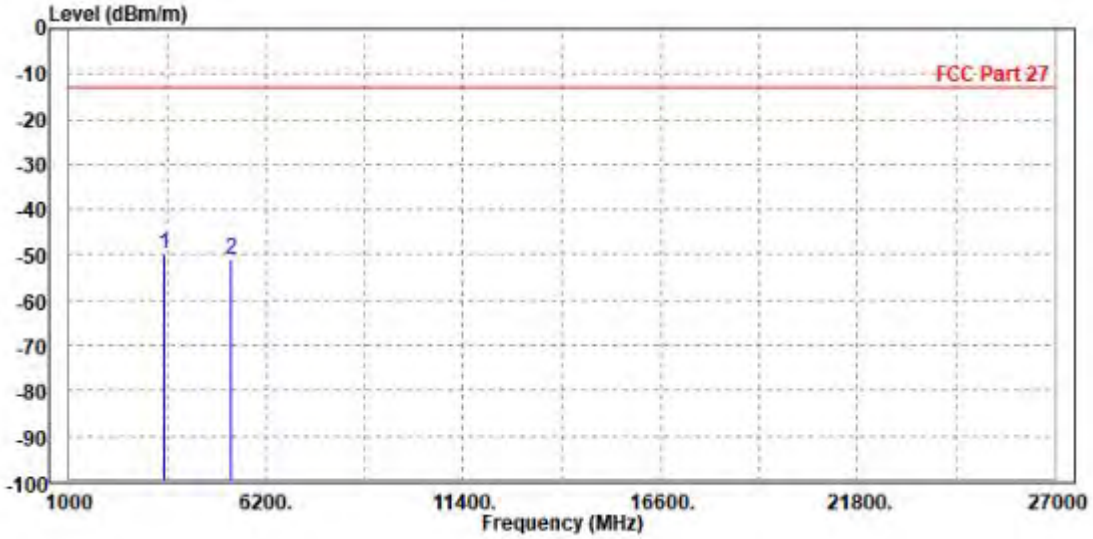
MODE	TX channel 132322	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3522.000	-50.09	-58.69	-13.00	-37.09	8.60	Peak	Horizontal
2	5265.000	-52.34	-61.66	-13.00	-39.34	9.32	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

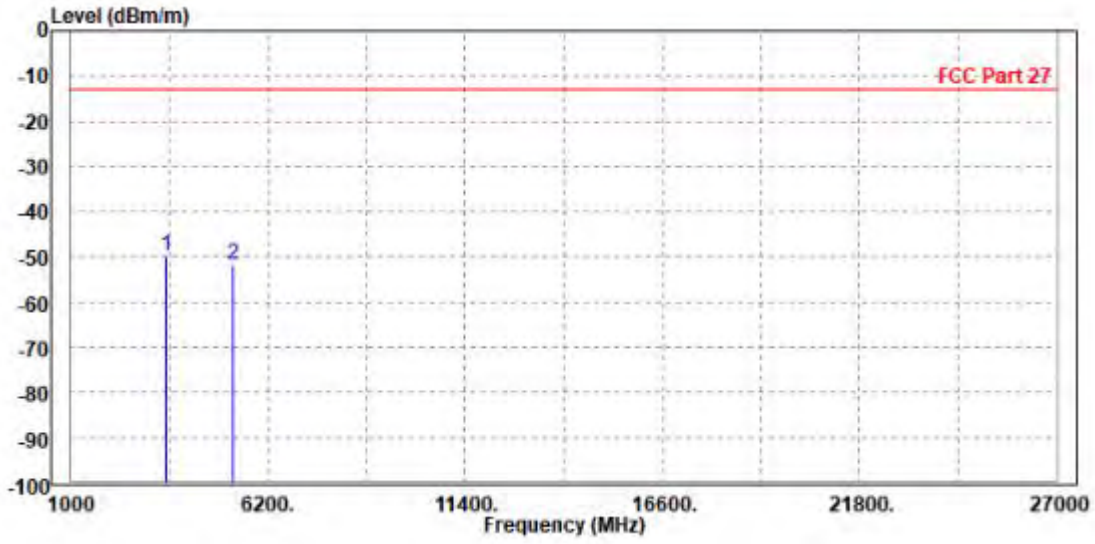
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3522.000	-49.77	-58.97	-13.00	-36.77	9.20	Peak	Vertical
2	5265.000	-50.92	-60.72	-13.00	-37.92	9.80	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz / QPSK

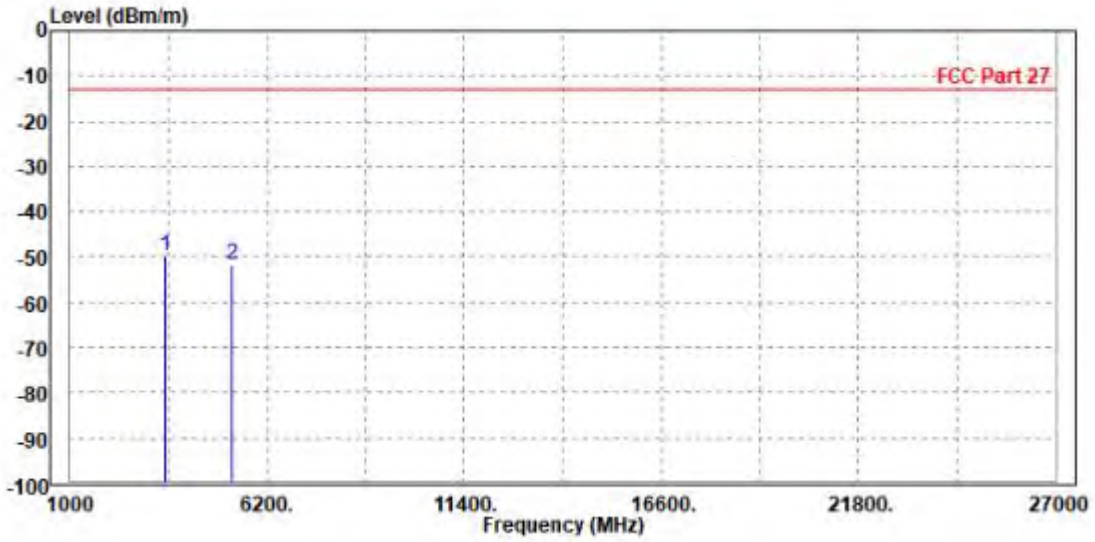
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3522.000	-49.97	-58.57	-13.00	-36.97	8.60	Peak	Horizontal
2	5265.000	-51.56	-60.88	-13.00	-38.56	9.32	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3522.000	-49.86	-59.06	-13.00	-36.86	9.20	Peak	Vertical
2	5265.000	-51.72	-61.52	-13.00	-38.72	9.80	Peak	Vertical

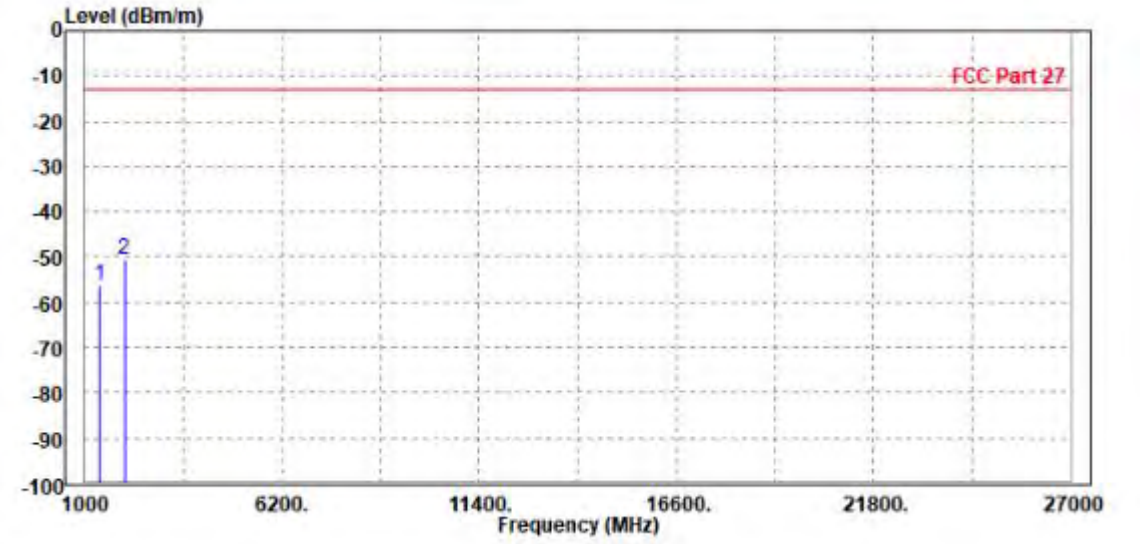


LTE B71

CHANNEL BANDWIDTH: 5MHz / QPSK

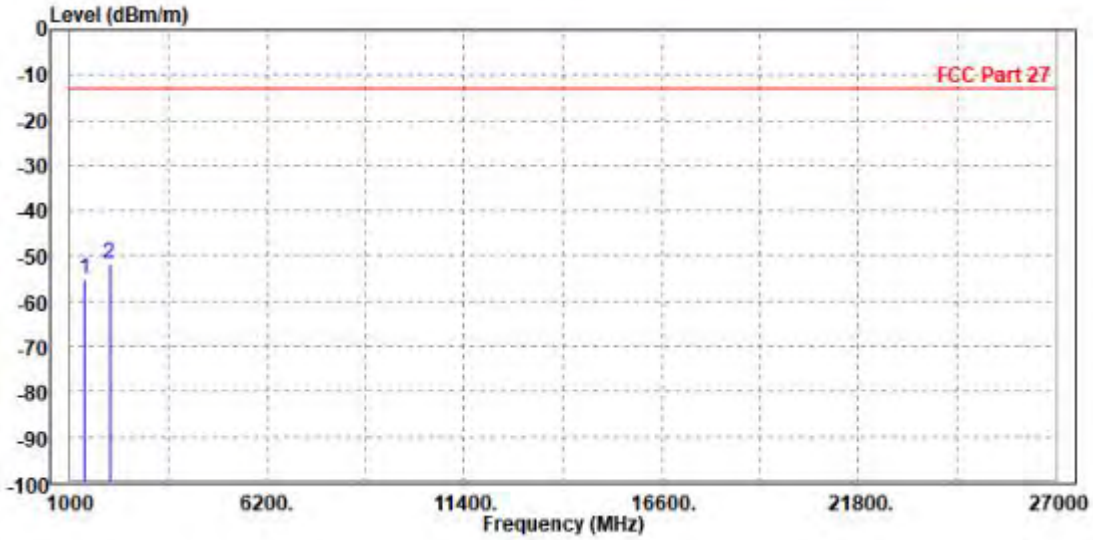
MODE	TX channel 133247	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1364.000	-56.11	-56.96	-13.00	-43.11	0.85	Peak	Horizontal
2 PP	2041.500	-50.54	-58.13	-13.00	-37.54	7.59	Peak	Horizontal



MODE	TX channel 133247	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

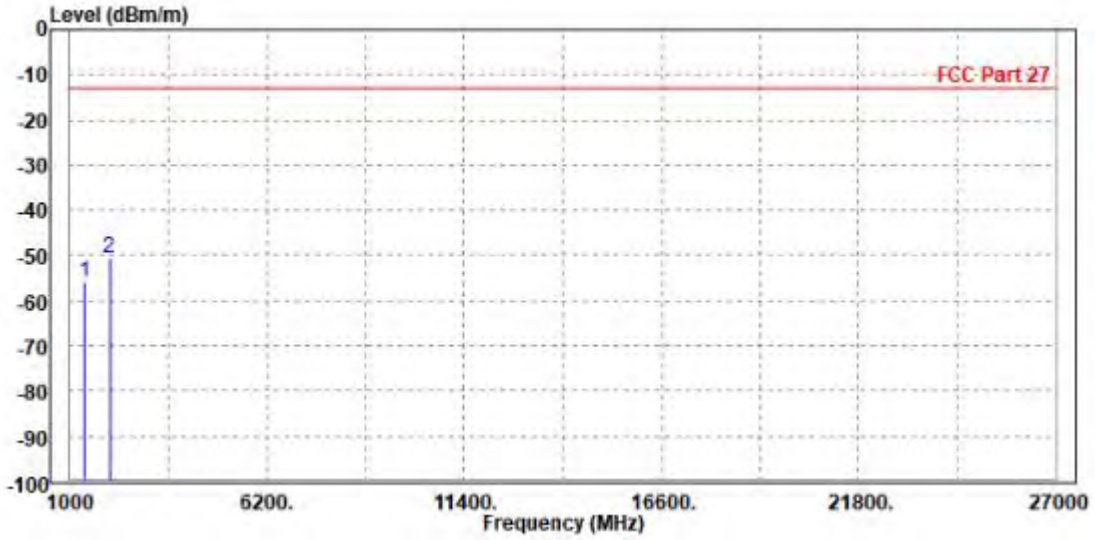
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1364.000	-55.28	-56.75	-13.00	-42.28	1.47	Peak	Vertical
2 PP	2041.500	-51.75	-58.36	-13.00	-38.75	6.61	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz / QPSK

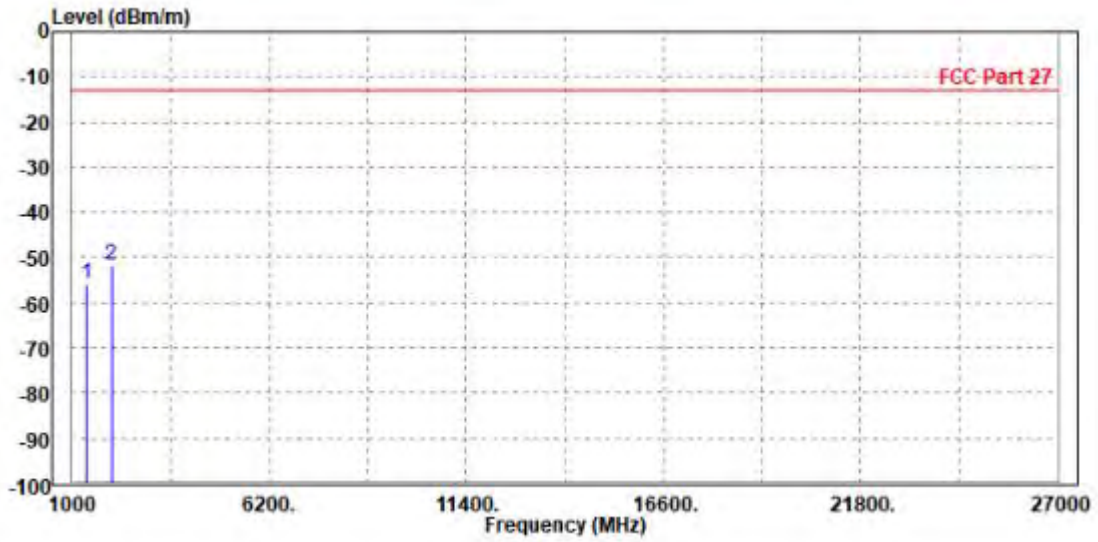
MODE	TX channel 133272	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1364.000	-55.83	-56.68	-13.00	-42.83	0.85	Peak	Horizontal
2 PP	2041.500	-50.40	-57.99	-13.00	-37.40	7.59	Peak	Horizontal



MODE	TX channel 133272	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1364.000	-55.76	-57.23	-13.00	-42.76	1.47	Peak	Vertical
2 PP	2041.500	-51.76	-58.37	-13.00	-38.76	6.61	Peak	Vertical

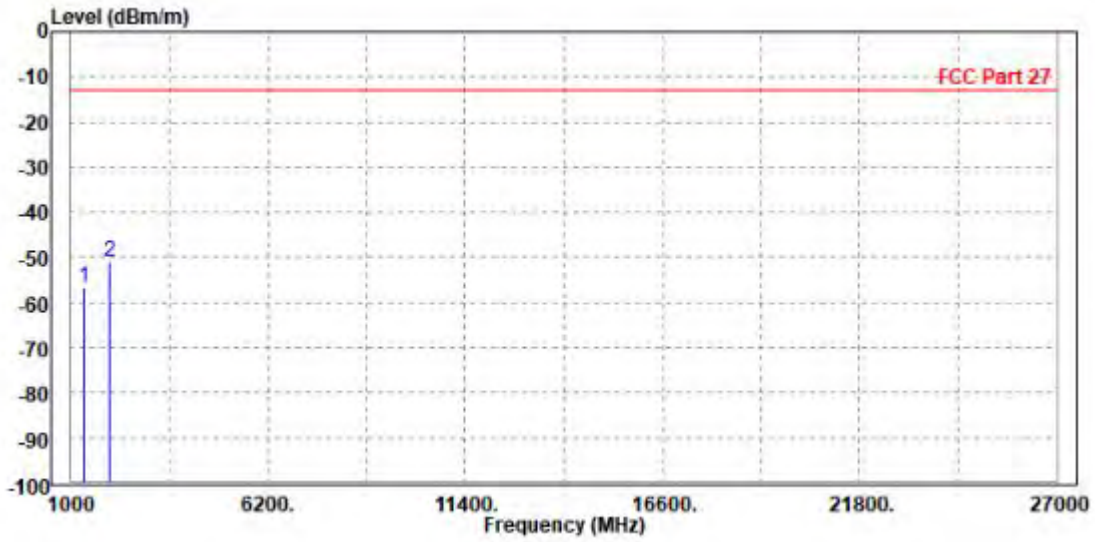


CHANNEL BANDWIDTH: 15MHz / QPSK

CH133197

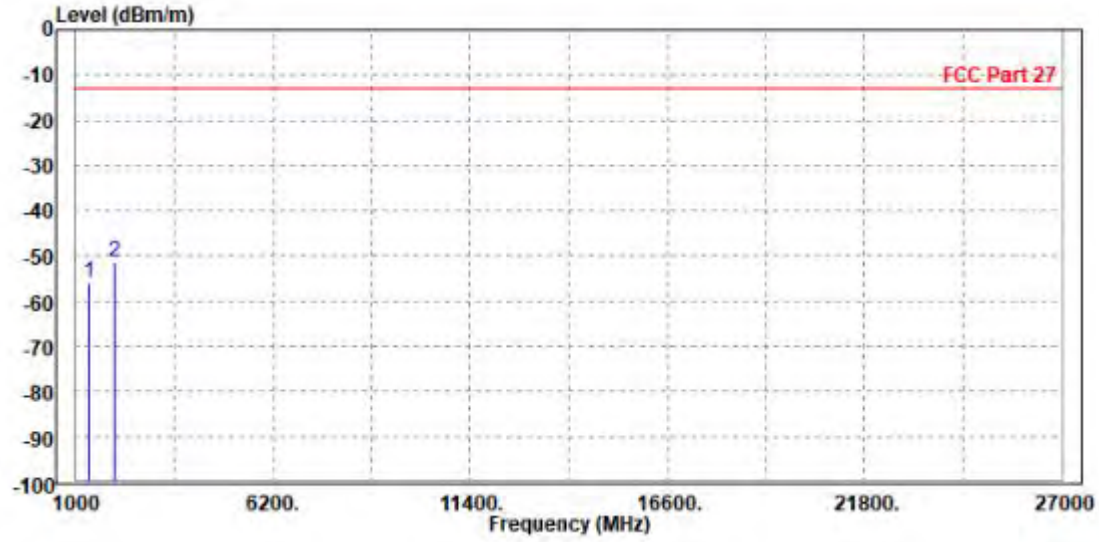
MODE	TX channel 133197	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1338.000	-56.47	-57.21	-13.00	-43.47	0.74	Peak	Horizontal
2 PP	2011.500	-50.81	-58.37	-13.00	-37.81	7.56	Peak	Horizontal



MODE	TX channel 133197	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

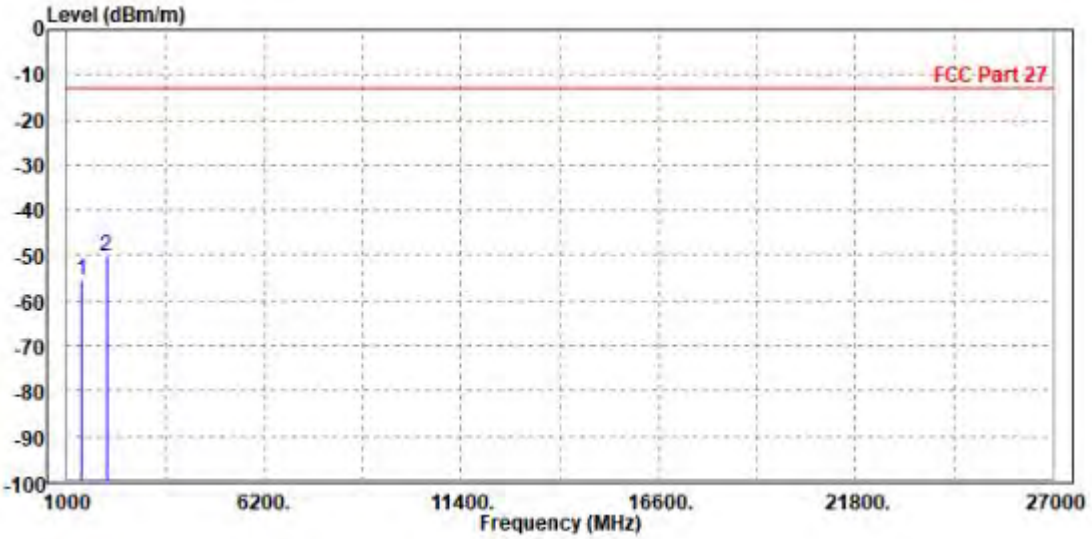
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1338.000	-55.85	-57.21	-13.00	-42.85	1.36	Peak	Vertical
2 PP	2011.500	-51.49	-58.07	-13.00	-38.49	6.58	Peak	Vertical



CH133297

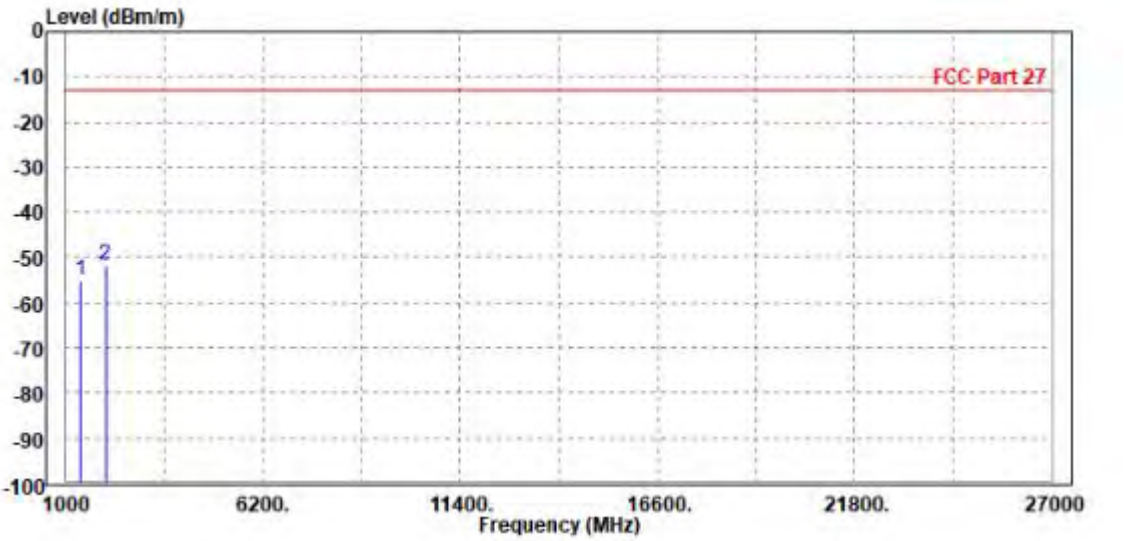
MODE	TX channel 133297	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1364.000	-55.66	-56.51	-13.00	-42.66	0.85	Peak	Horizontal
2 PP	2041.500	-50.31	-57.90	-13.00	-37.31	7.59	Peak	Horizontal



MODE	TX channel 133297	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

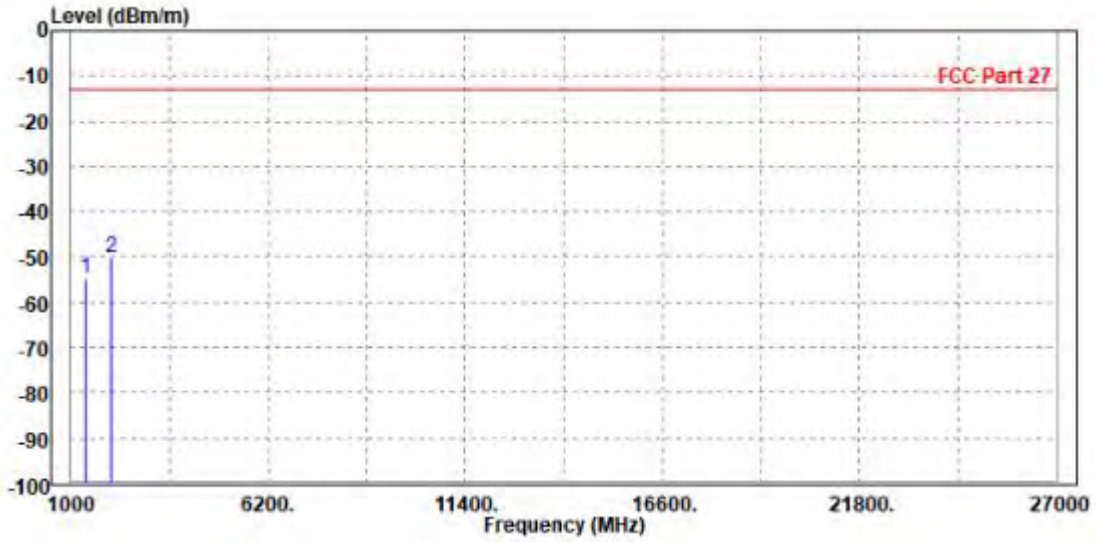
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1364.000	-55.29	-56.76	-13.00	-42.29	1.47	Peak	Vertical
2 PP	2041.500	-51.72	-58.33	-13.00	-38.72	6.61	Peak	Vertical



CH133397

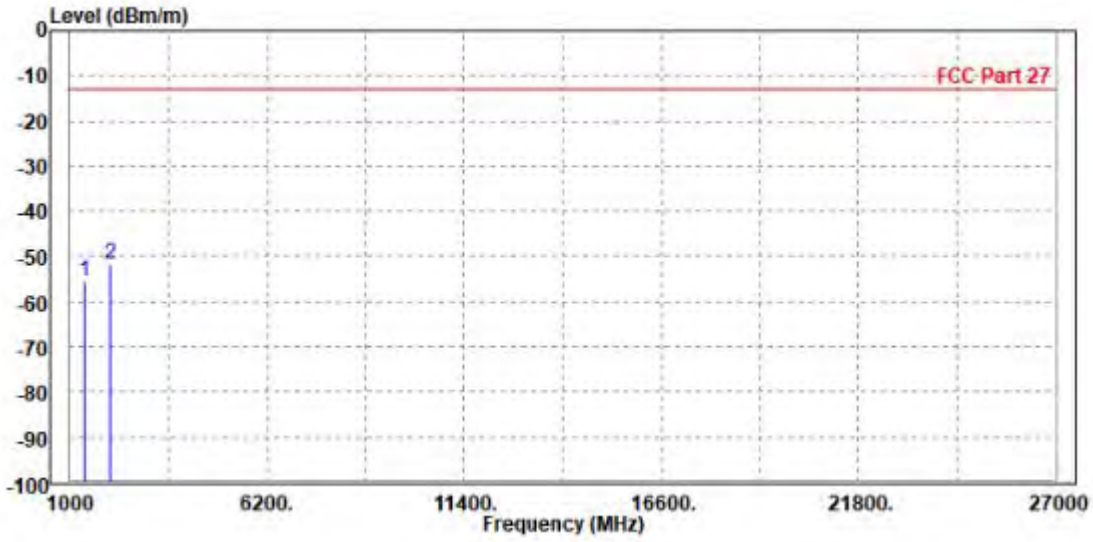
MODE	TX channel 133397	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	**INPUT POWER**	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1390.000	-54.82	-55.79	-13.00	-41.82	0.97	Peak	Horizontal
2 PP	2071.500	-50.30	-57.92	-13.00	-37.30	7.62	Peak	Horizontal



MODE	TX channel 133397	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

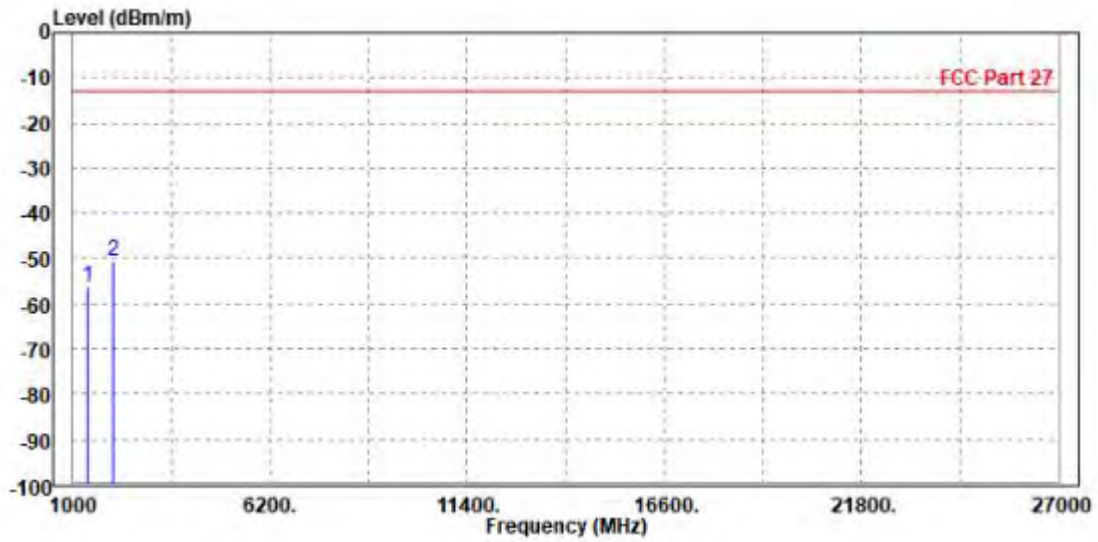
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1390.000	-55.43	-57.01	-13.00	-42.43	1.58	Peak	Vertical
2 PP	2071.500	-51.88	-58.52	-13.00	-38.88	6.64	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz / QPSK

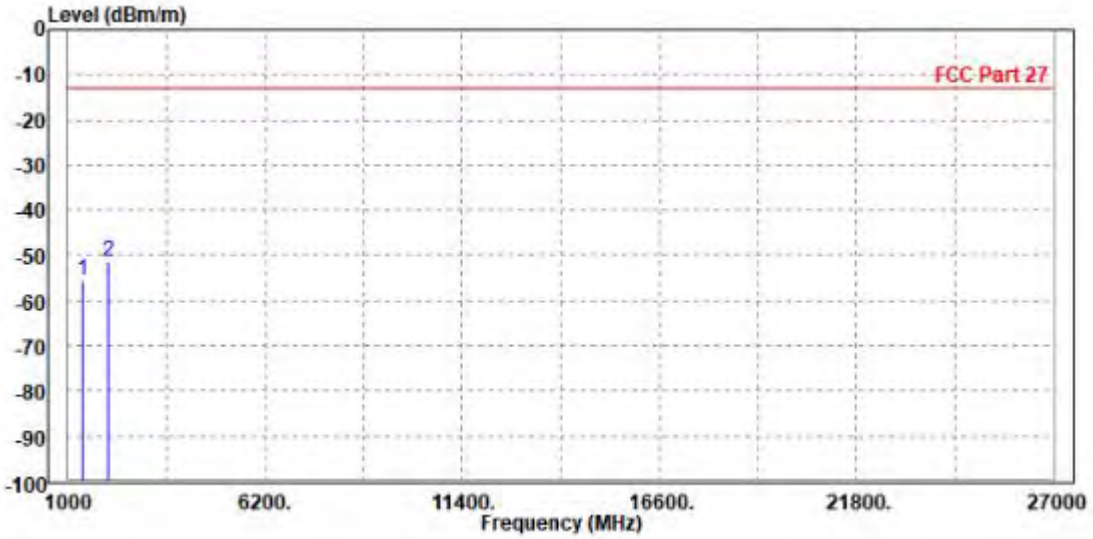
MODE	TX channel 133322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1364.000	-56.44	-57.29	-13.00	-43.44	0.85	Peak	Horizontal
2 PP	2049.000	-50.46	-58.06	-13.00	-37.46	7.60	Peak	Horizontal



MODE	TX channel 133322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 53%RH	INPUT POWER	EUT 5.0V
TESTED BY	Gavin Guo		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1364.000	-55.44	-56.91	-13.00	-42.44	1.47	Peak	Vertical
2 PP	2049.000	-51.42	-58.03	-13.00	-38.42	6.61	Peak	Vertical

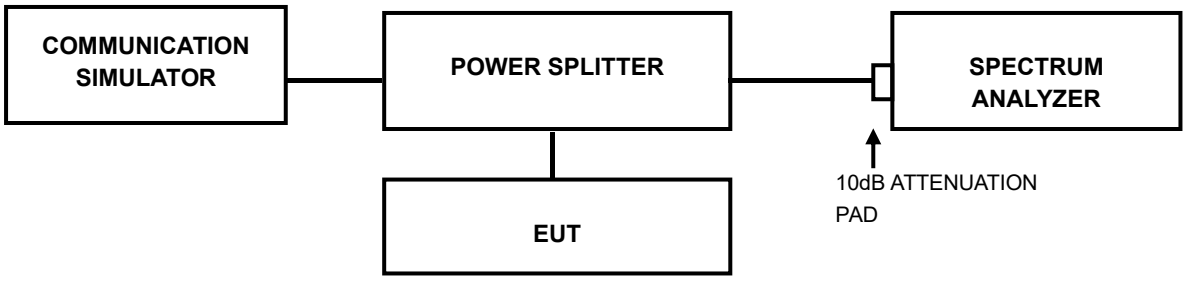


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

1. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth;
2. Set the number of counts to a value that stabilizes the measured CCDF curve;
3. Record the maximum PAPR level associated with a probability of 0.1%.

3.7.4 TEST RESULTS

Please Refer to Appendix A Of this test report.

4 INFORMATION ON THE TESTING LABORATORIES

We, Huarui 7layers High Technology (Suzhou) Co., Ltd. ,were founded in 2020 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

Suzhou EMC/RF Lab:
Tel: +86 (0557) 368 1008

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No any modifications are made to the EUT by the lab during the test.

APPENDIX A:

WCDMA BAND IV

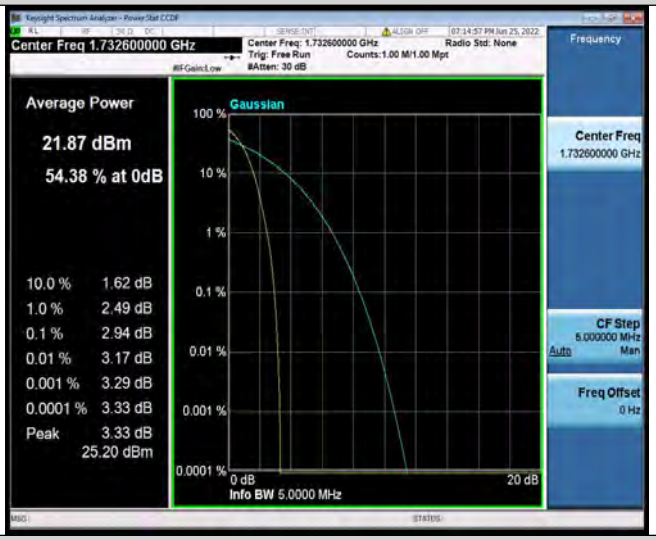
PEAK-TO-AVERAGE RATIO

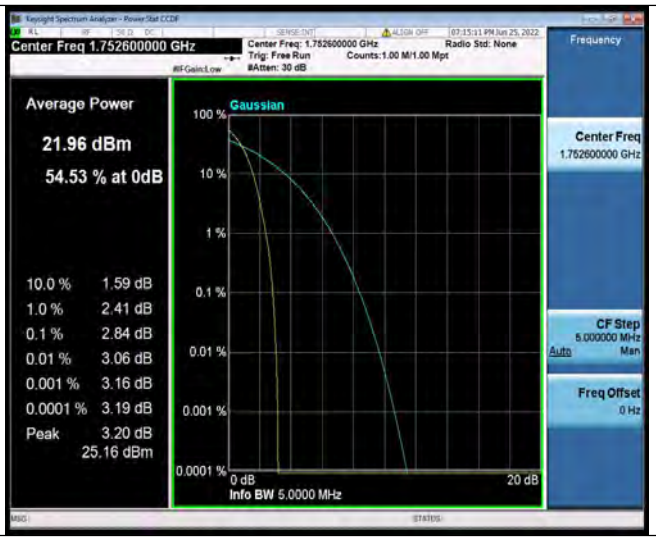
Test Result

Band	Channel	Peak-to-Average Ratio(dB)	Limit(dBm)	Verdict
Band4	1312	2.88	13	PASS
Band4	1413	2.94	13	PASS
Band4	1513	2.84	13	PASS

Test Graphs

Band4-1312

Band4-1413

Band4-1513


Center Freq 1.752600000 GHz
Center Freq: 1.752600000 GHz
Trig: Free Run
#Atten: 30 dB
Radio Std: None
Counts:1.00 M/1.00 Mpt
Frequency
Average Power
21.96 dBm
54.53 % at 0dB
10.0 % 1.59 dB
1.0 % 2.41 dB
0.1 % 2.84 dB
0.01 % 3.06 dB
0.001 % 3.16 dB
0.0001 % 3.19 dB
Peak 3.20 dB
25.16 dBm
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
0 dB
20 dB
Info BW 5.0000 MHz
Center Freq
1.752600000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Channel	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit(MHz)	Verdict
Band4	1312	4.1442	4.731	---	PASS
Band4	1413	4.1411	4.735	---	PASS
Band4	1513	4.1496	4.738	---	PASS

Test Graphs

Band4-1312

Band4-1413

Band4-1513

BAND EDGE

Test Result

Band	Channel	Frequency (MHz)	Result (dBm)	Limit(dBm)	Verdict
Band4	1312	1710.00	-24.33	-13	PASS
Band4	1513	1755.00	-24.49	-13	PASS

Test Graphs

Band4-1312

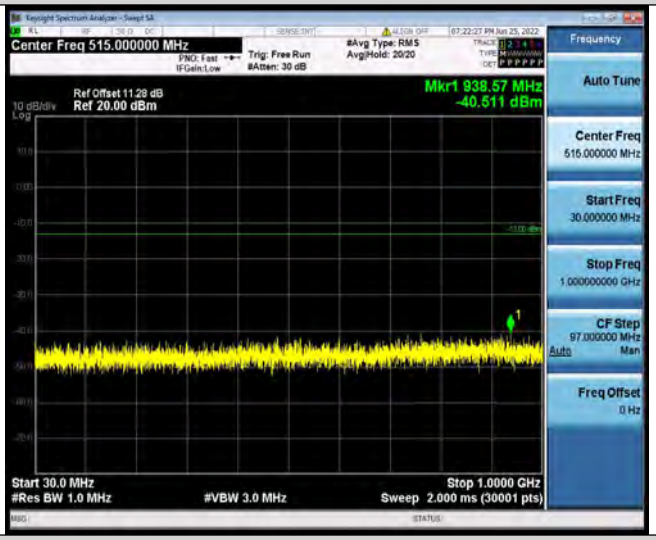
Band4-1513

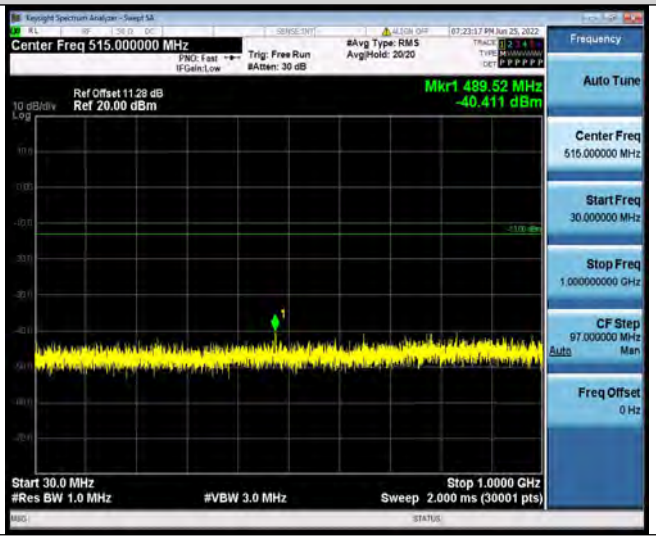
CONDUCTED SPURIOUS EMISSION

Test Result

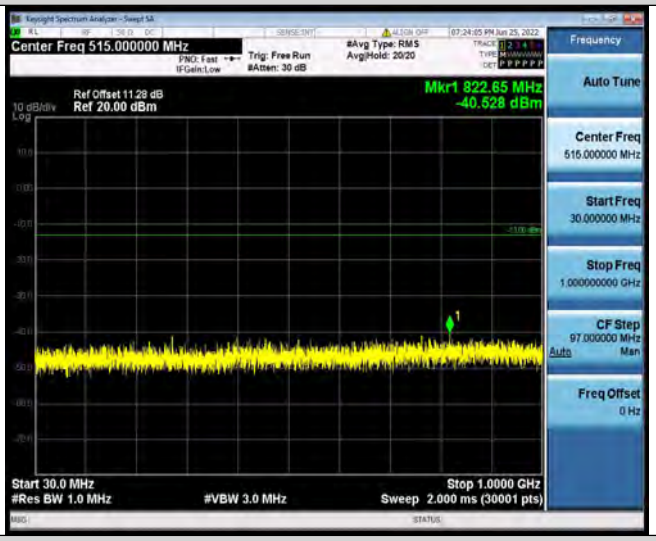
Band	Channel	Frequency Range (Mhz)	Frequency (dBm)	Result (dBm)	Limit (dBm)	Verdict
Band4	1312	30~1000MHz	938.57	-40.51	-13	PASS
Band4	1312	1000~20000MHz	19094.97	-32.3	-13	PASS
Band4	1413	30~1000MHz	489.52	-40.41	-13	PASS
Band4	1413	1000~20000MHz	19512.97	-31.48	-13	PASS
Band4	1513	30~1000MHz	822.65	-40.53	-13	PASS
Band4	1513	1000~20000MHz	19395.17	-31.69	-13	PASS

Test Graphs

Band4-1312-30~1000MHz

Band4-1312-1000~20000MHz

Band4-1413-30~1000MHz


Band4-1413-1000~20000MHz

Band4-1513-30~1000MHz

Band4-1513-1000~20000MHz


FREQUENCY STABILITY

Test Result

Voltage							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	VL	NT	27.08	0.015814	±2.5	PASS
Band4	1312	VN	NT	26.50	0.015475	±2.5	PASS
Band4	1312	VH	NT	27.17	0.015867	±2.5	PASS
Band4	1413	VL	NT	-0.40	-0.000231	±2.5	PASS
Band4	1413	VN	NT	0.11	0.000063	±2.5	PASS
Band4	1413	VH	NT	0.10	0.000058	±2.5	PASS
Band4	1513	VL	NT	-25.13	-0.014339	±2.5	PASS
Band4	1513	VN	NT	-25.35	-0.014464	±2.5	PASS
Band4	1513	VH	NT	-25.56	-0.014584	±2.5	PASS

Temperature							
Band	Channel	Voltage (Vdc)	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band4	1312	NV	-30	27.33	0.015960	±2.5	PASS
Band4	1312	NV	-20	26.81	0.015656	±2.5	PASS
Band4	1312	NV	0	27.04	0.015791	±2.5	PASS
Band4	1312	NV	10	27.24	0.015907	±2.5	PASS
Band4	1312	NV	20	27.54	0.016083	±2.5	PASS
Band4	1312	NV	30	26.59	0.015528	±2.5	PASS
Band4	1312	NV	40	26.35	0.015388	±2.5	PASS
Band4	1312	NV	50	26.59	0.015528	±2.5	PASS
Band4	1413	NV	-30	-0.14	-0.000081	±2.5	PASS
Band4	1413	NV	-20	-0.24	-0.000139	±2.5	PASS
Band4	1413	NV	0	-0.50	-0.000289	±2.5	PASS
Band4	1413	NV	10	-0.39	-0.000225	±2.5	PASS
Band4	1413	NV	20	-0.40	-0.000231	±2.5	PASS
Band4	1413	NV	30	0.34	0.000196	±2.5	PASS
Band4	1413	NV	40	-0.01	-0.000006	±2.5	PASS
Band4	1413	NV	50	0.60	0.000346	±2.5	PASS
Band4	1513	NV	-30	-25.89	-0.014772	±2.5	PASS
Band4	1513	NV	-20	-25.85	-0.014750	±2.5	PASS
Band4	1513	NV	0	-26.06	-0.014869	±2.5	PASS
Band4	1513	NV	10	-25.58	-0.014595	±2.5	PASS
Band4	1513	NV	20	-25.13	-0.014339	±2.5	PASS
Band4	1513	NV	30	-25.36	-0.014470	±2.5	PASS
Band4	1513	NV	40	-25.68	-0.014653	±2.5	PASS
Band4	1513	NV	50	-25.68	-0.014653	±2.5	PASS

LTE BAND7

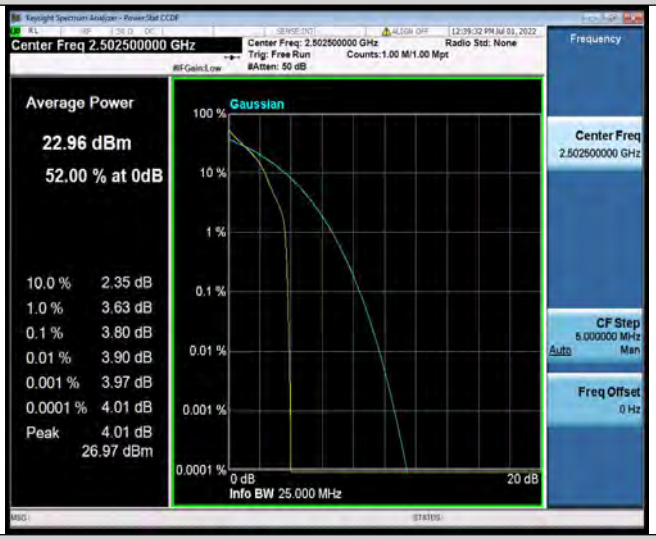
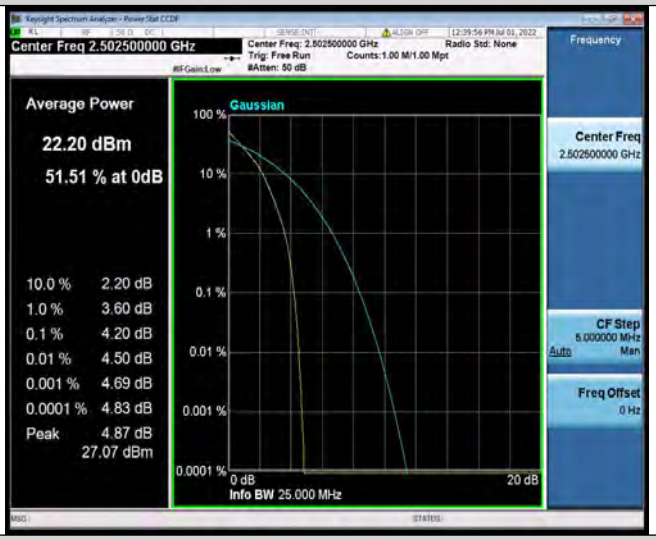
PEAK-TO-AVERAGE RATIO(CCDF)

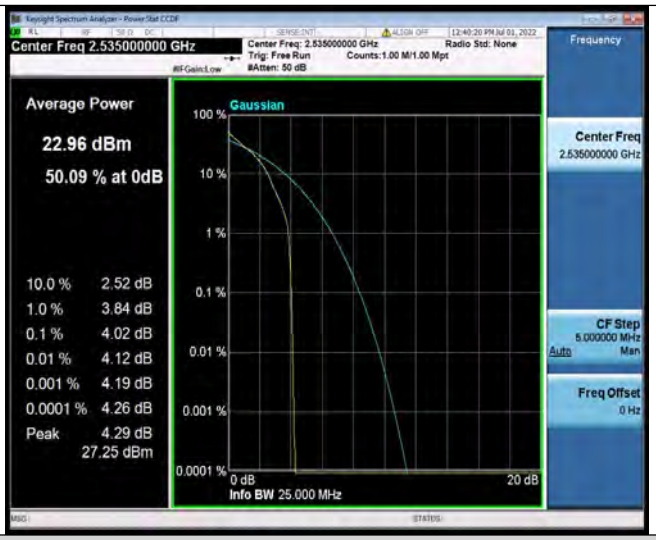
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	3.80	13	PASS
Band7	5MHz	QPSK	20775	25RB#0	4.20	13	PASS
Band7	5MHz	QPSK	21100	1RB#0	4.02	13	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.55	13	PASS
Band7	5MHz	QPSK	21425	1RB#0	3.79	13	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.45	13	PASS
Band7	5MHz	16QAM	20775	1RB#0	4.59	13	PASS
Band7	5MHz	16QAM	20775	25RB#0	5.03	13	PASS
Band7	5MHz	16QAM	21100	1RB#0	4.75	13	PASS
Band7	5MHz	16QAM	21100	25RB#0	5.37	13	PASS
Band7	5MHz	16QAM	21425	1RB#0	4.31	13	PASS
Band7	5MHz	16QAM	21425	25RB#0	5.30	13	PASS
Band7	10MHz	QPSK	20800	1RB#0	3.68	13	PASS
Band7	10MHz	QPSK	20800	50RB#0	4.13	13	PASS
Band7	10MHz	QPSK	21100	1RB#0	3.94	13	PASS
Band7	10MHz	QPSK	21100	50RB#0	4.54	13	PASS
Band7	10MHz	QPSK	21400	1RB#0	3.56	13	PASS
Band7	10MHz	QPSK	21400	50RB#0	4.30	13	PASS
Band7	10MHz	16QAM	20800	1RB#0	4.57	13	PASS
Band7	10MHz	16QAM	20800	50RB#0	4.98	13	PASS
Band7	10MHz	16QAM	21100	1RB#0	4.81	13	PASS
Band7	10MHz	16QAM	21100	50RB#0	5.40	13	PASS
Band7	10MHz	16QAM	21400	1RB#0	4.39	13	PASS
Band7	10MHz	16QAM	21400	50RB#0	5.03	13	PASS
Band7	15MHz	QPSK	20825	1RB#0	3.67	13	PASS
Band7	15MHz	QPSK	20825	75RB#0	4.43	13	PASS
Band7	15MHz	QPSK	21100	1RB#0	3.84	13	PASS
Band7	15MHz	QPSK	21100	75RB#0	4.76	13	PASS
Band7	15MHz	QPSK	21375	1RB#0	3.49	13	PASS
Band7	15MHz	QPSK	21375	75RB#0	4.52	13	PASS
Band7	15MHz	16QAM	20825	1RB#0	4.47	13	PASS
Band7	15MHz	16QAM	20825	75RB#0	5.18	13	PASS
Band7	15MHz	16QAM	21100	1RB#0	4.78	13	PASS
Band7	15MHz	16QAM	21100	75RB#0	5.52	13	PASS
Band7	15MHz	16QAM	21375	1RB#0	4.27	13	PASS
Band7	15MHz	16QAM	21375	75RB#0	5.18	13	PASS
Band7	20MHz	QPSK	20850	1RB#0	3.71	13	PASS
Band7	20MHz	QPSK	20850	100RB#0	4.47	13	PASS
Band7	20MHz	QPSK	21100	1RB#0	3.78	13	PASS
Band7	20MHz	QPSK	21100	100RB#0	4.71	13	PASS
Band7	20MHz	QPSK	21350	1RB#0	3.54	13	PASS
Band7	20MHz	QPSK	21350	100RB#0	4.49	13	PASS
Band7	20MHz	16QAM	20850	1RB#0	4.33	13	PASS
Band7	20MHz	16QAM	20850	100RB#0	5.23	13	PASS
Band7	20MHz	16QAM	21100	1RB#0	4.64	13	PASS

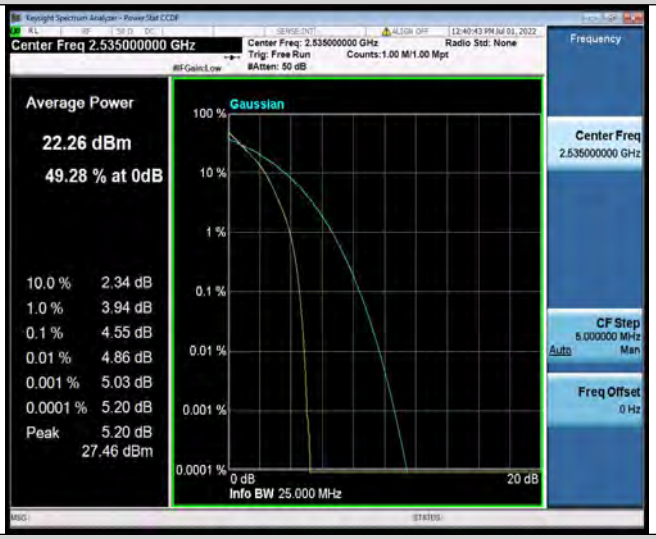
Band7	20MHz	16QAM	21100	100RB#0	5.54	13	PASS
Band7	20MHz	16QAM	21350	1RB#0	4.40	13	PASS
Band7	20MHz	16QAM	21350	100RB#0	5.24	13	PASS

Test Graphs

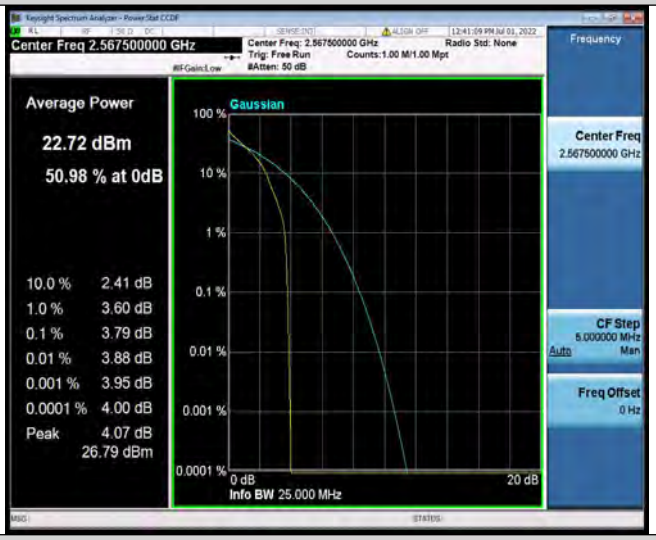
Band7-5MHz-QPSK-20775-1RB#0

Band7-5MHz-QPSK-20775-25RB#0

Band7-5MHz-QPSK-21100-1RB#0



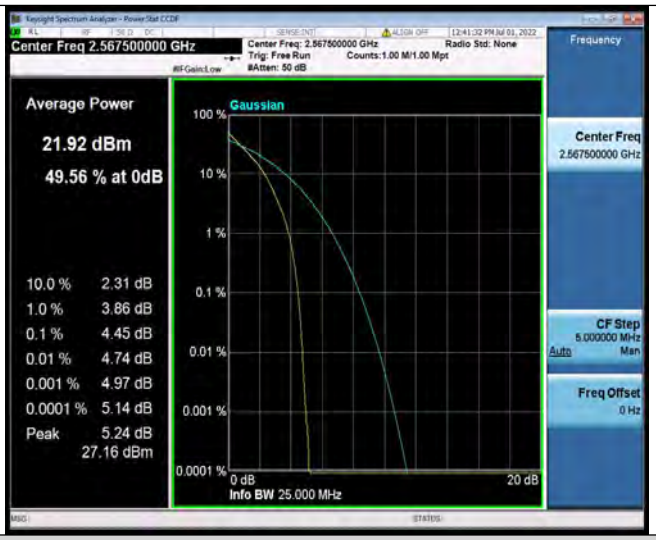
Band7-5MHz-QPSK-21100-25RB#0



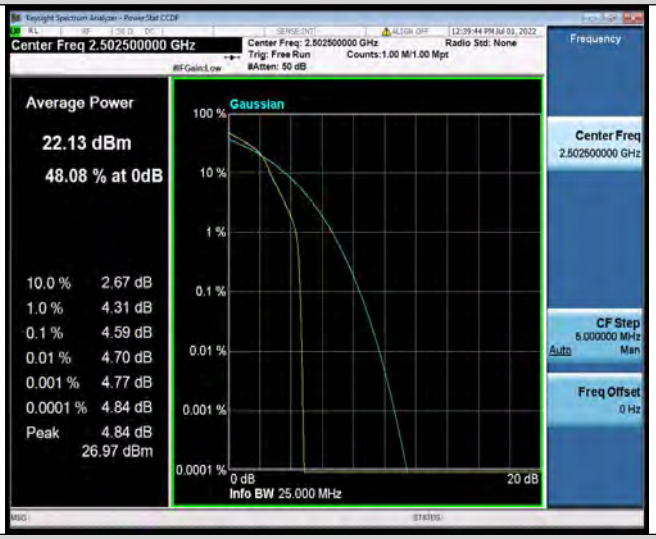
Band7-5MHz-QPSK-21425-1RB#0



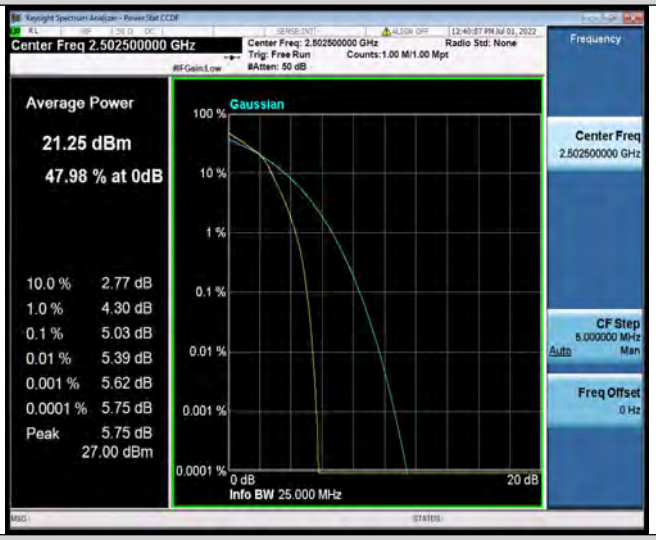
Band7-5MHz-QPSK-21425-25RB#0



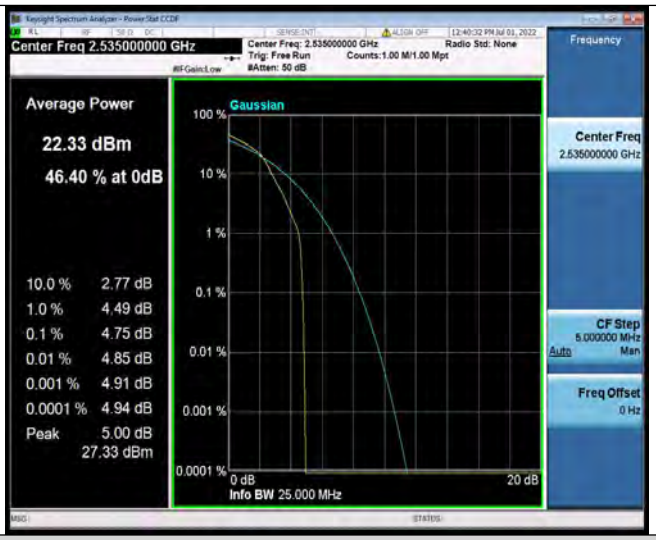
Band7-5MHz-16QAM-20775-1RB#0



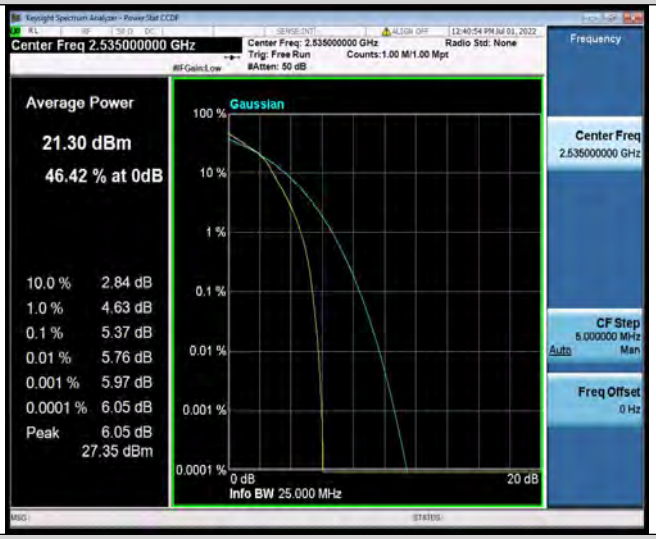
Band7-5MHz-16QAM-20775-25RB#0



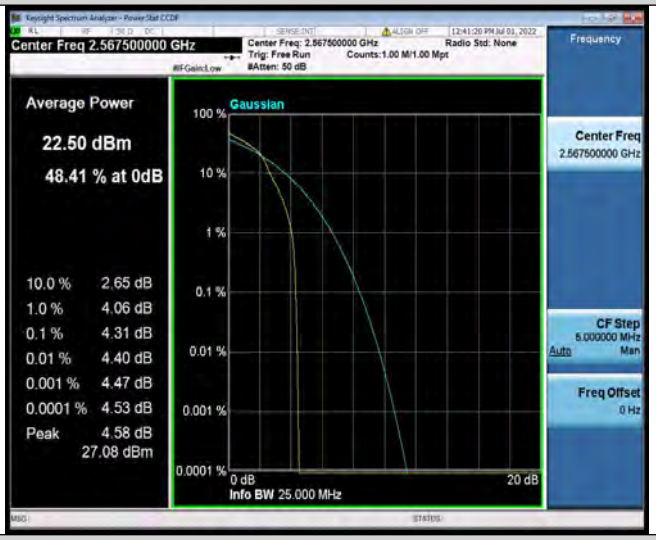
Band7-5MHz-16QAM-21100-1RB#0



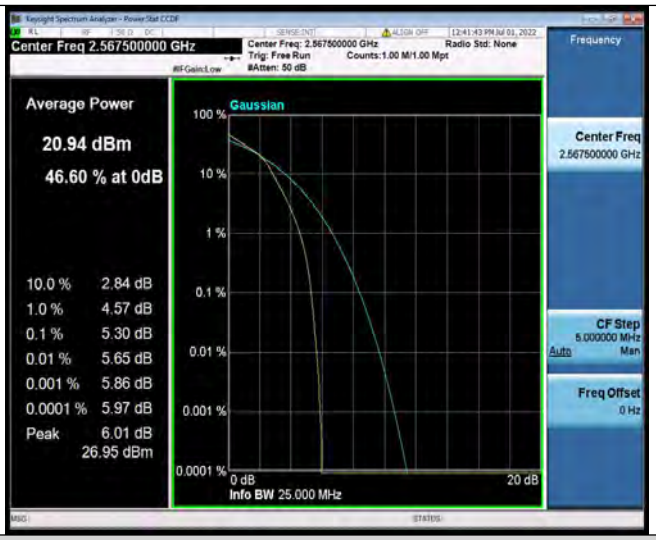
Band7-5MHz-16QAM-21100-25RB#0



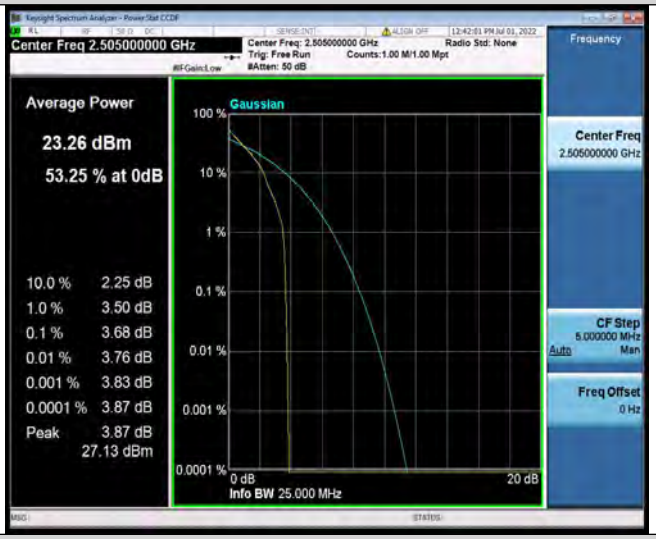
Band7-5MHz-16QAM-21425-1RB#0



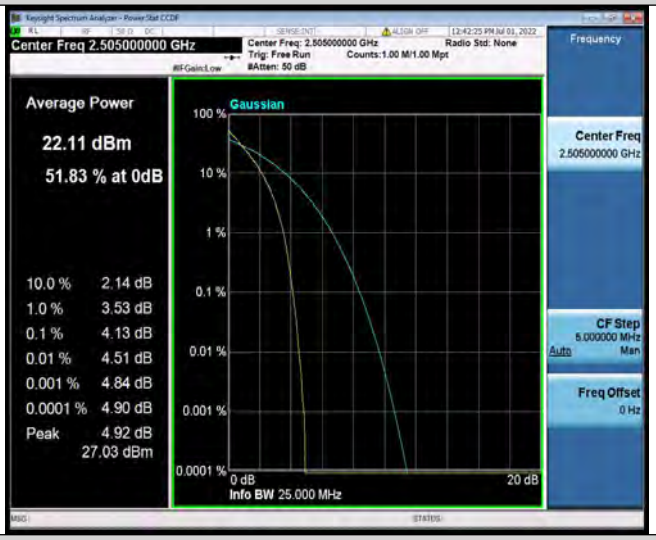
Band7-5MHz-16QAM-21425-25RB#0



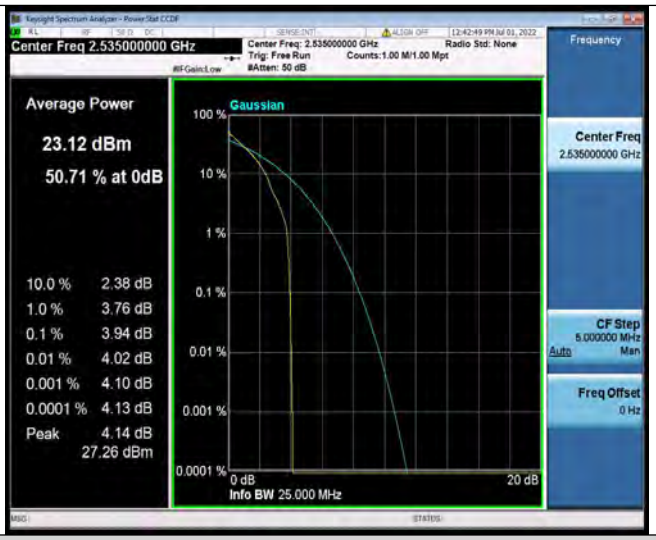
Band7-10MHz-QPSK-20800-1RB#0



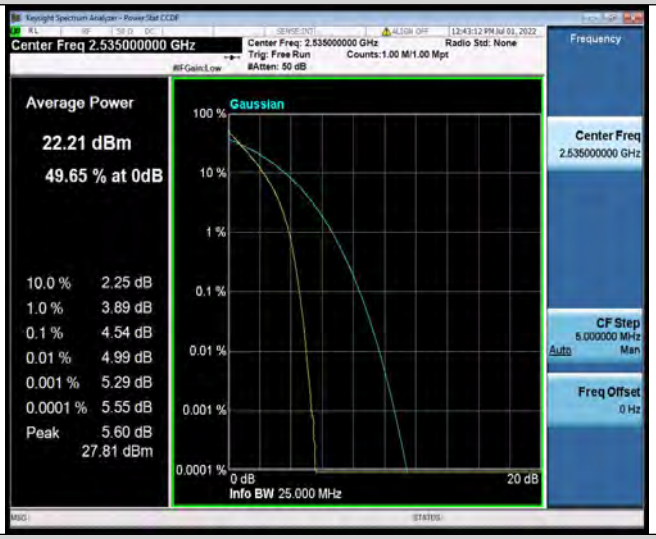
Band7-10MHz-QPSK-20800-50RB#0



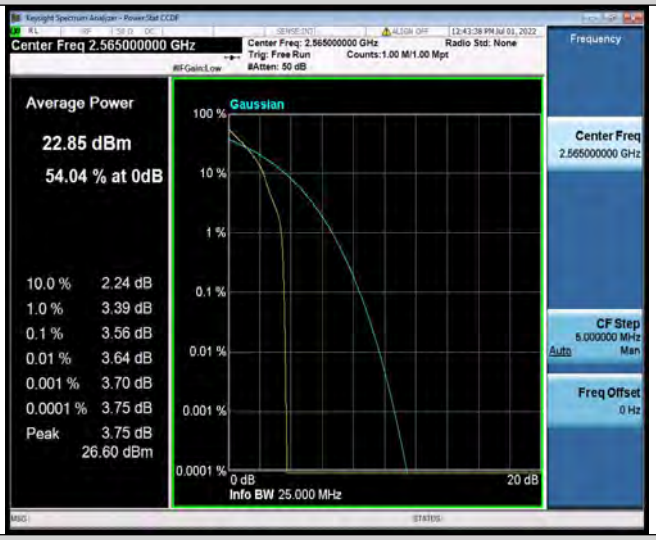
Band7-10MHz-QPSK-21100-1RB#0



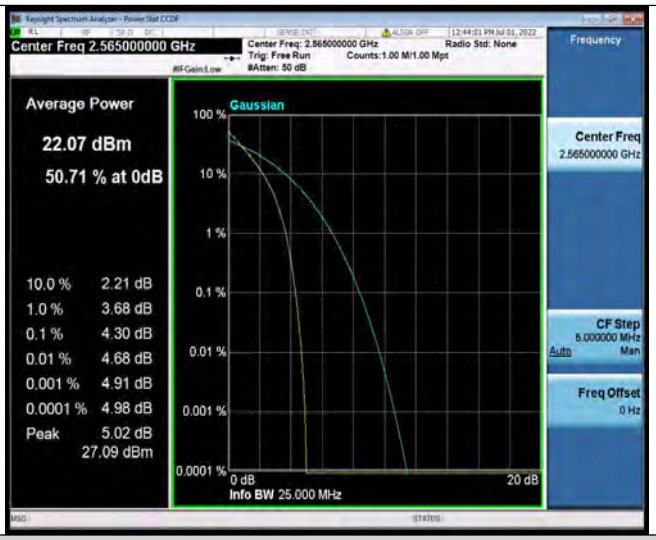
Band7-10MHz-QPSK-21100-50RB#0



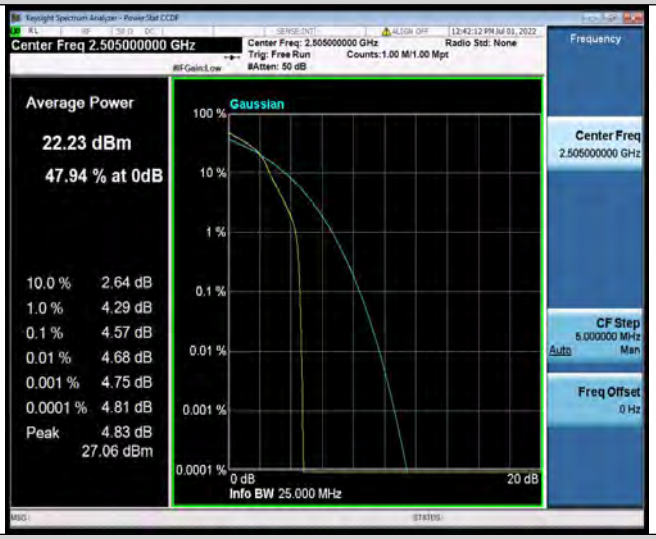
Band7-10MHz-QPSK-21400-1RB#0



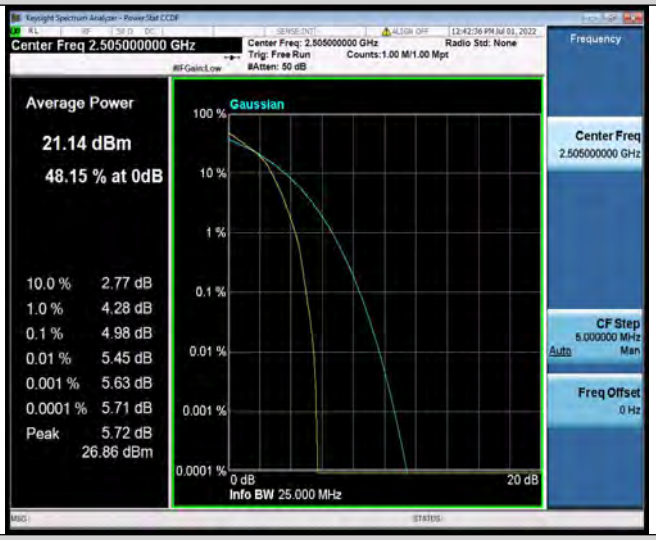
Band7-10MHz-QPSK-21400-50RB#0



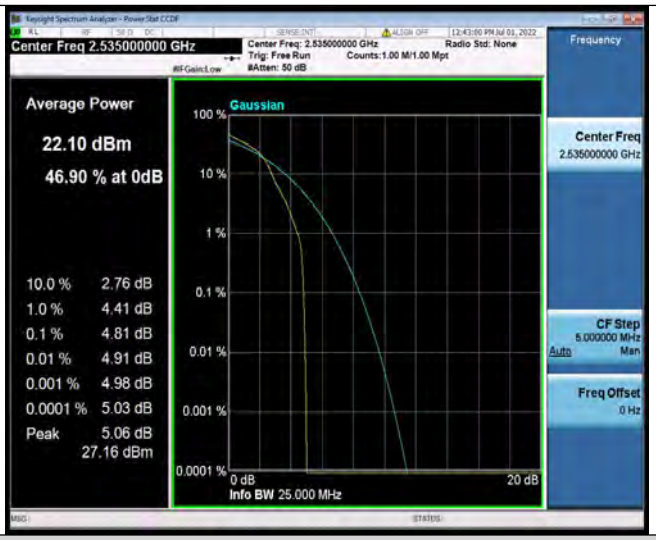
Band7-10MHz-16QAM-20800-1RB#0



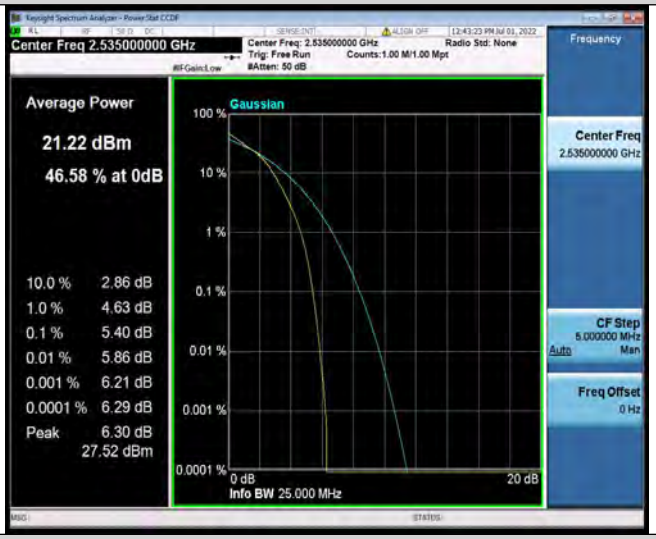
Band7-10MHz-16QAM-20800-50RB#0



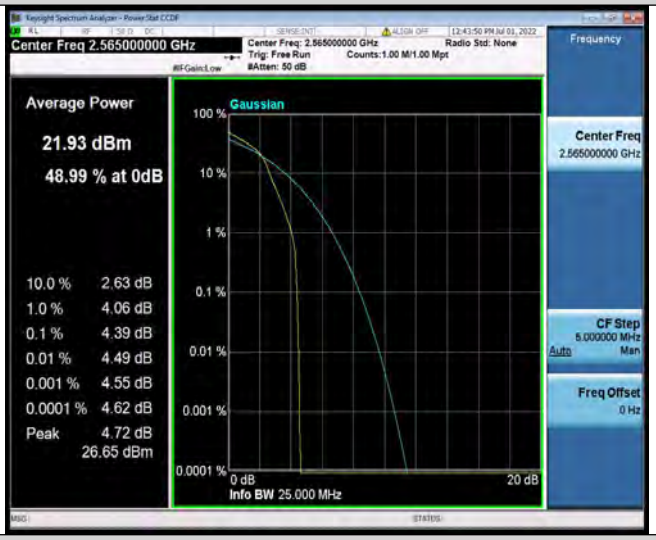
Band7-10MHz-16QAM-21100-1RB#0



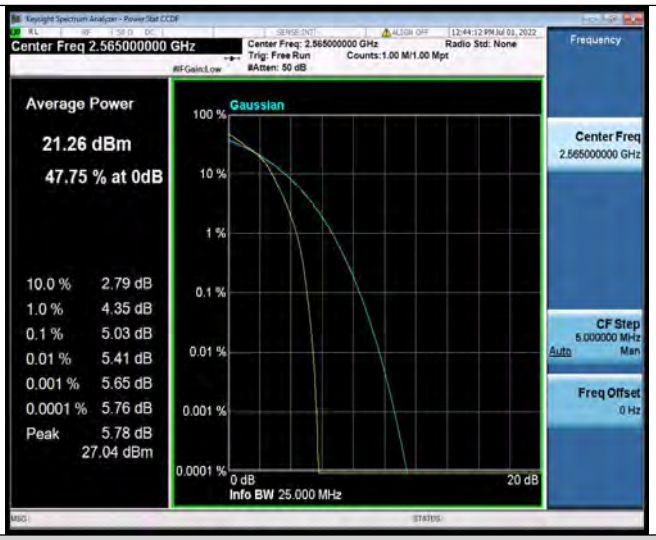
Band7-10MHz-16QAM-21100-50RB#0



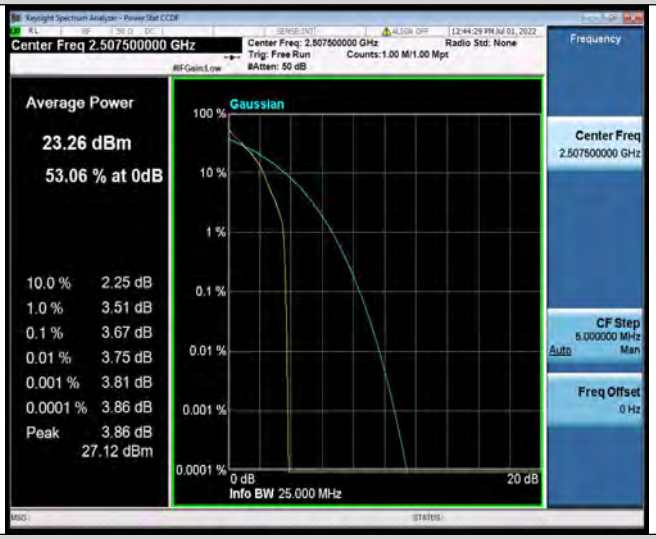
Band7-10MHz-16QAM-21400-1RB#0



Band7-10MHz-16QAM-21400-50RB#0

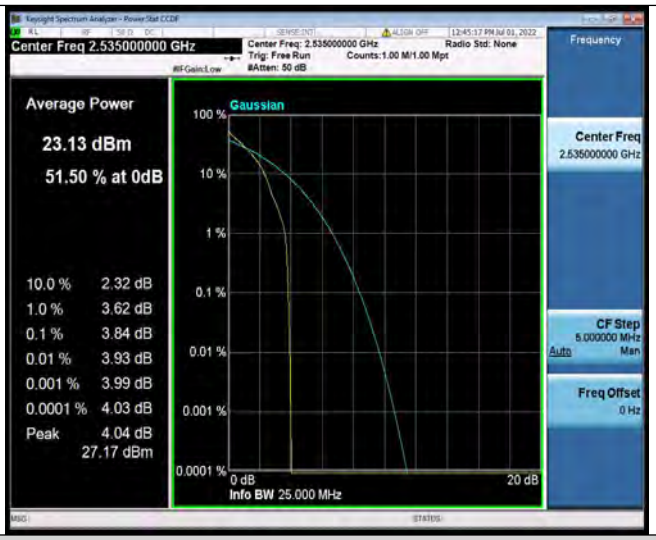


Band7-15MHz-QPSK-20825-1RB#0

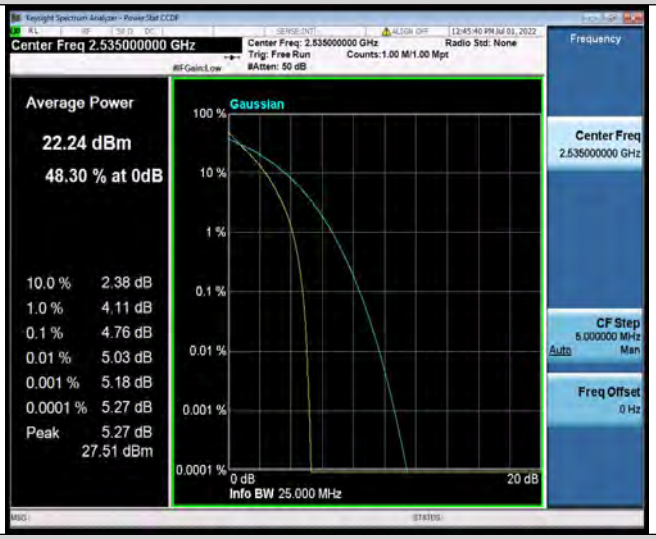


Band7-15MHz-QPSK-20825-75RB#0

Band7-15MHz-QPSK-21100-1RB#0

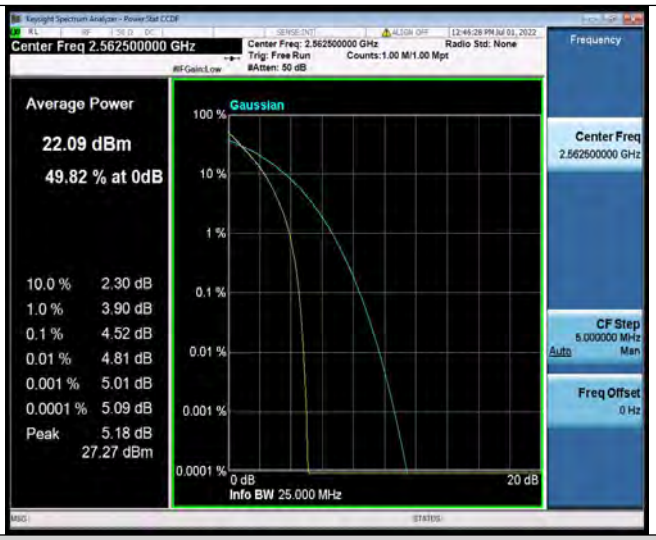


Band7-15MHz-QPSK-21100-75RB#0

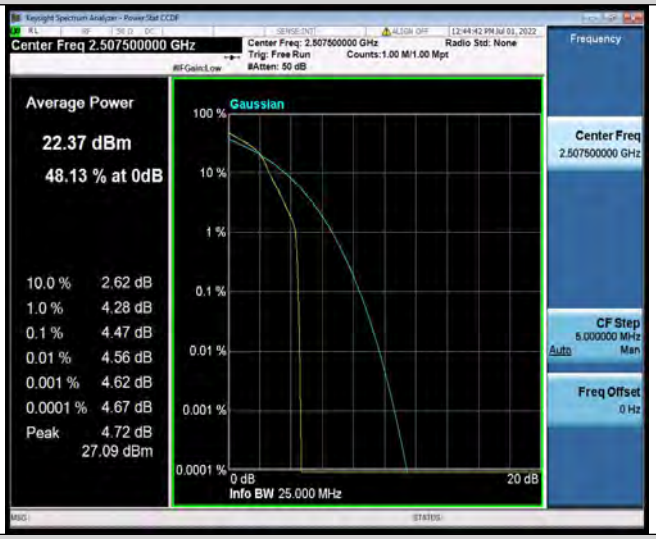


Band7-15MHz-QPSK-21375-1RB#0

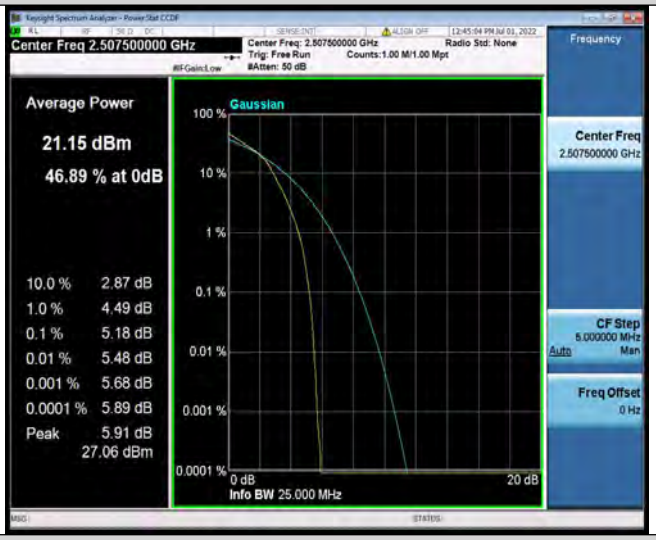
Band7-15MHz-QPSK-21375-75RB#0



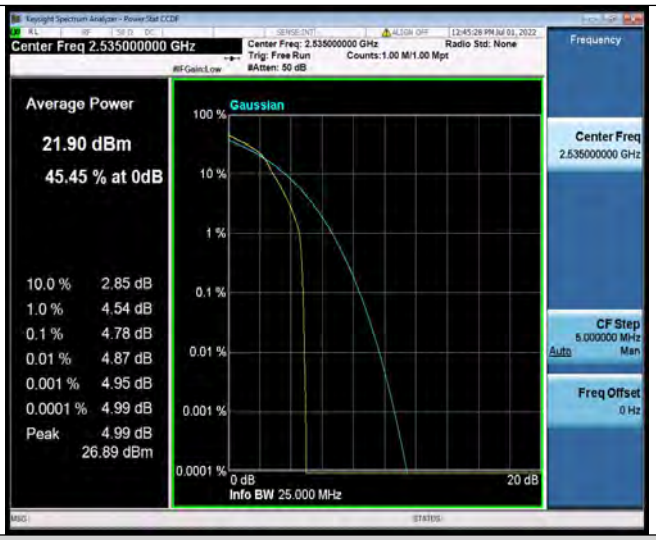
Band7-15MHz-16QAM-20825-1RB#0



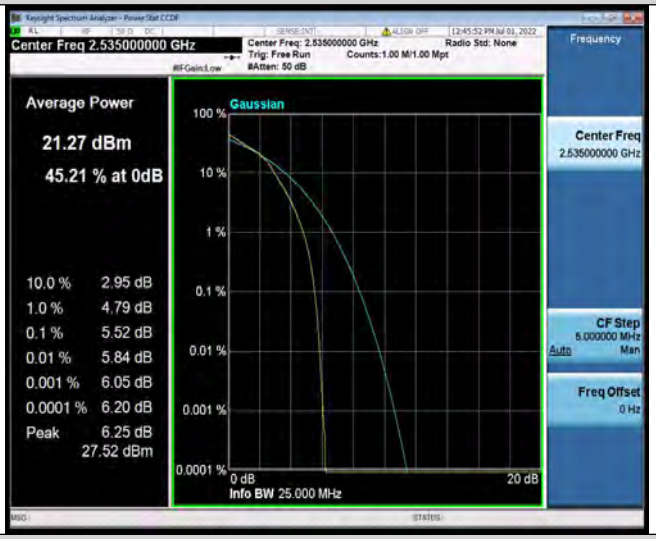
Band7-15MHz-16QAM-20825-75RB#0



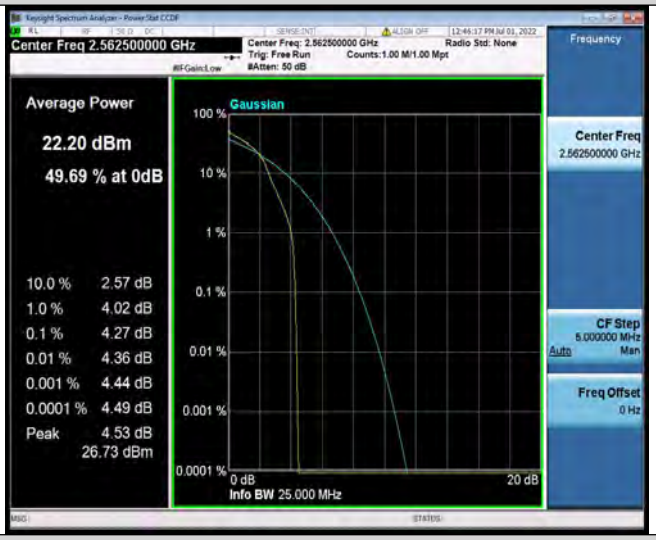
Band7-15MHz-16QAM-21100-1RB#0



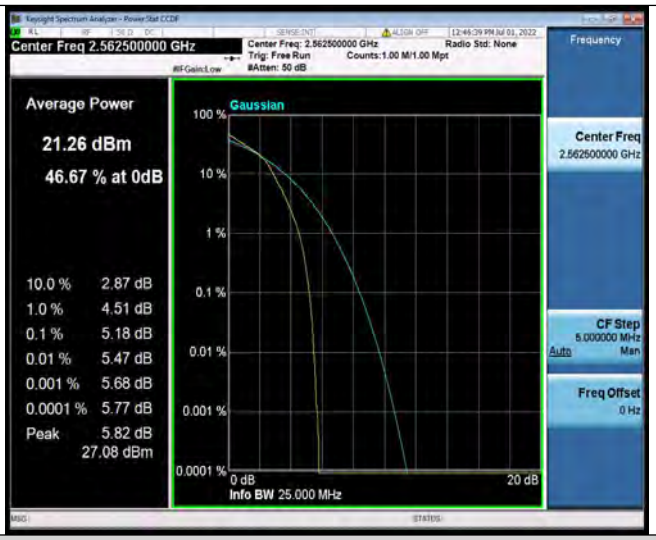
Band7-15MHz-16QAM-21100-75RB#0



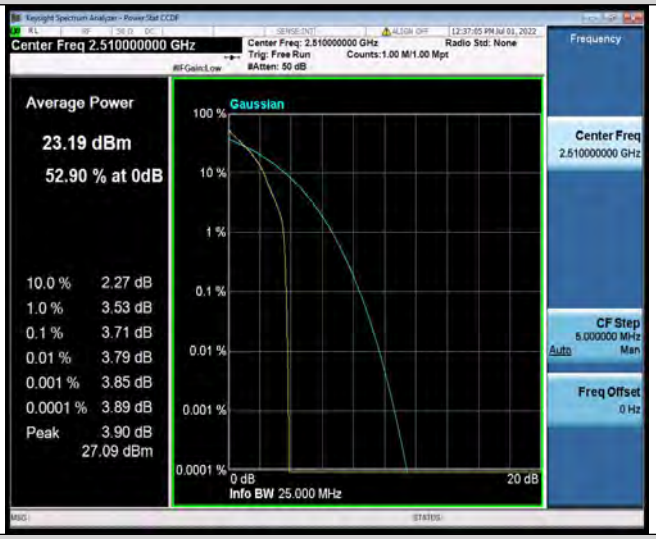
Band7-15MHz-16QAM-21375-1RB#0



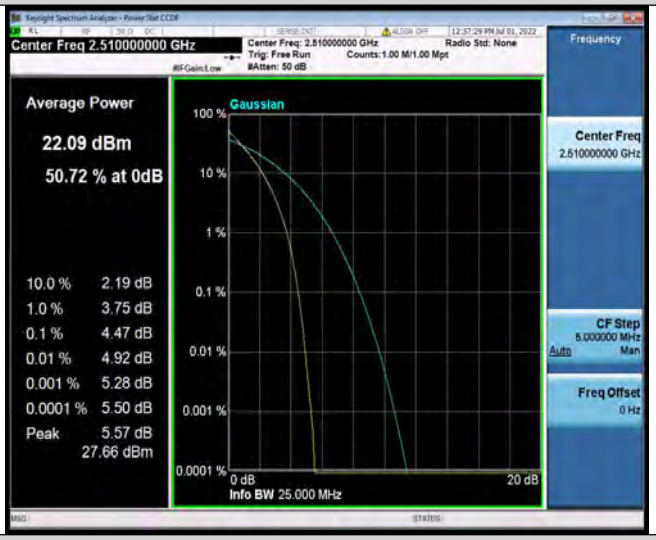
Band7-15MHz-16QAM-21375-75RB#0



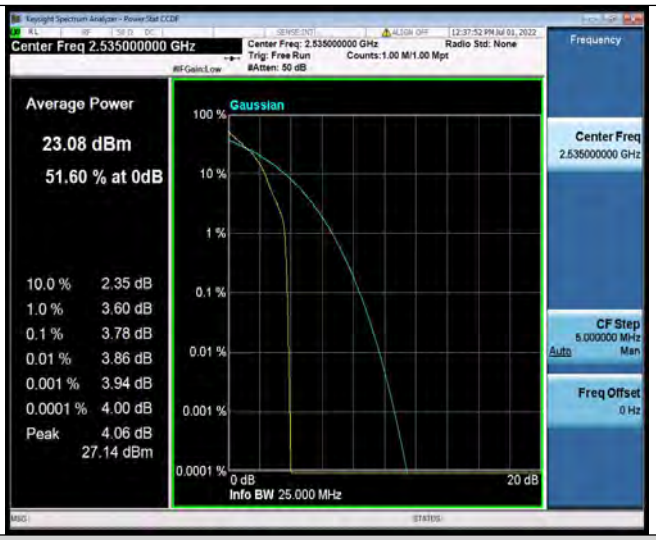
Band7-20MHz-QPSK-20850-1RB#0



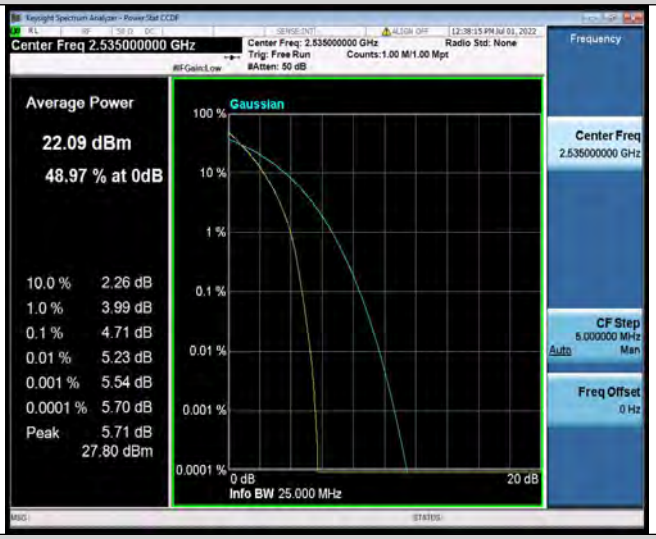
Band7-20MHz-QPSK-20850-100RB#0



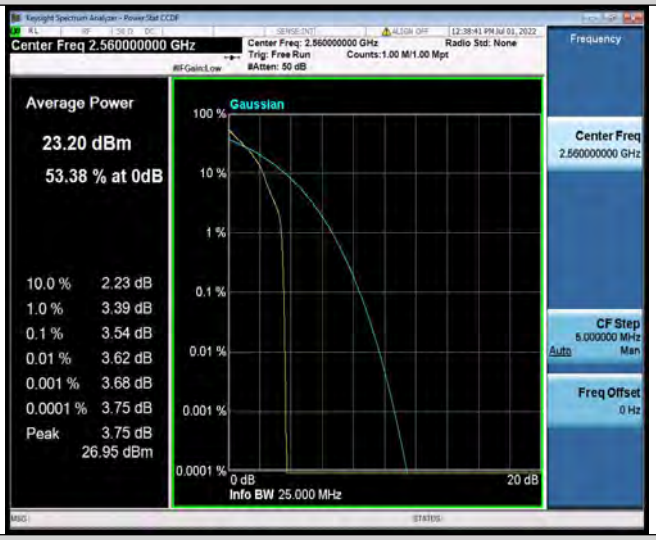
Band7-20MHz-QPSK-21100-1RB#0



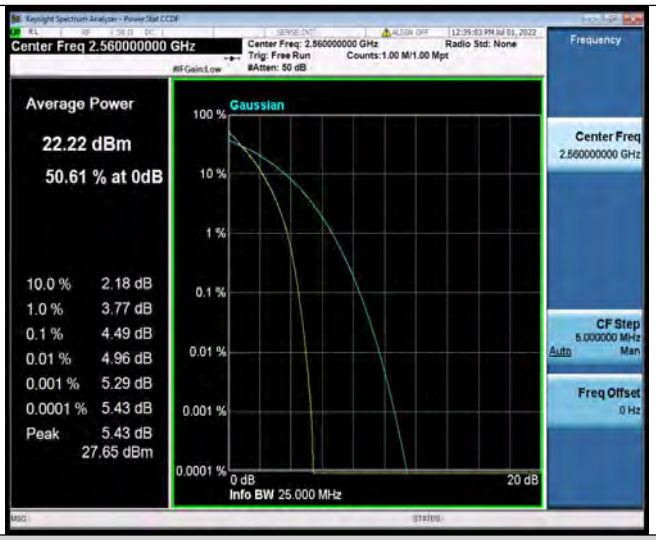
Band7-20MHz-QPSK-21100-100RB#0



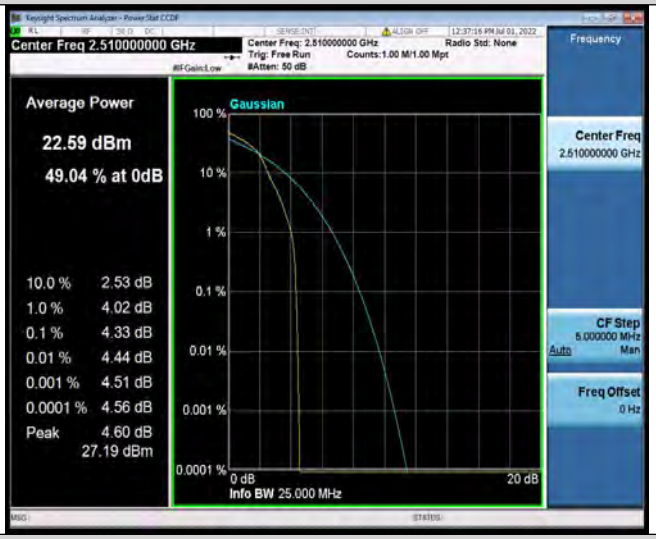
Band7-20MHz-QPSK-21350-1RB#0



Band7-20MHz-QPSK-21350-100RB#0

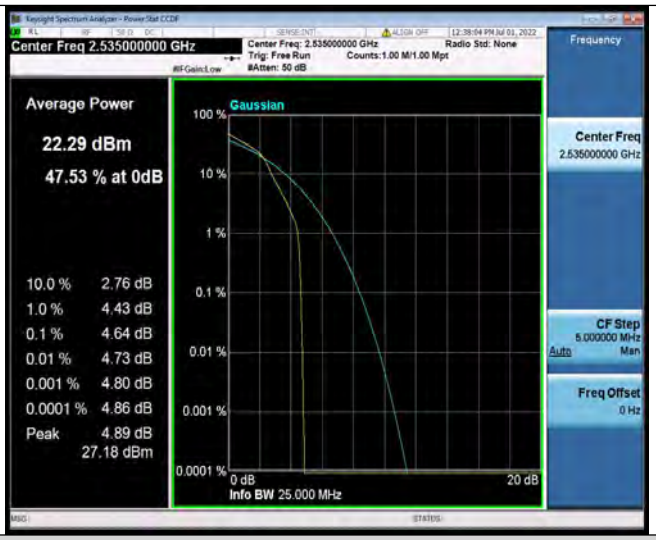


Band7-20MHz-16QAM-20850-1RB#0

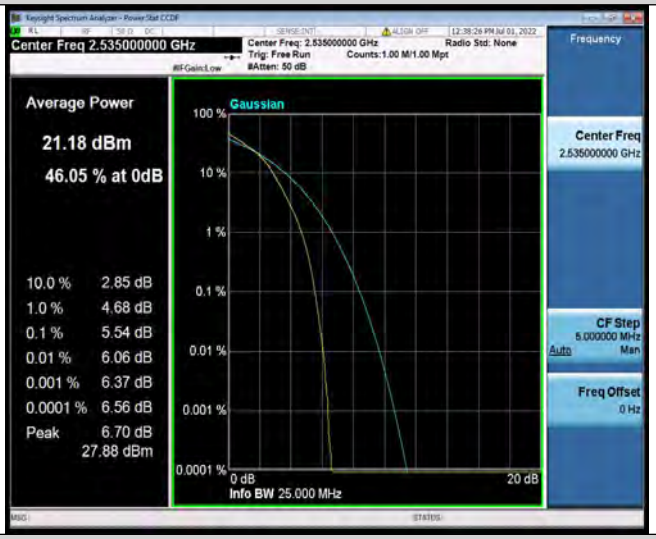


Band7-20MHz-16QAM-20850-100RB#0

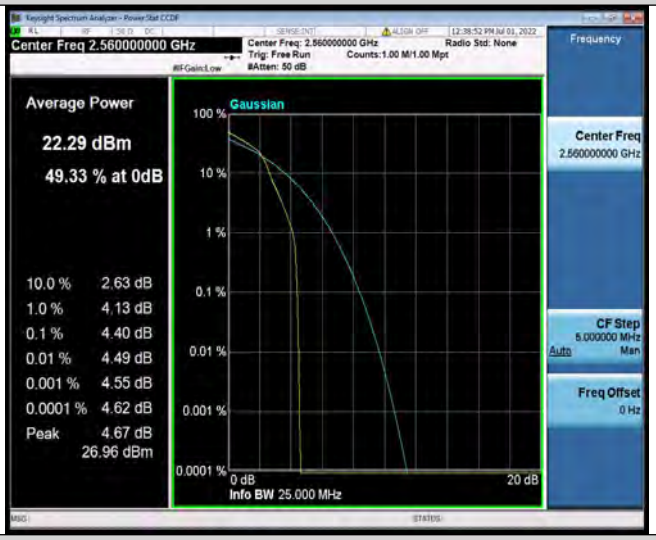
Band7-20MHz-16QAM-21100-1RB#0



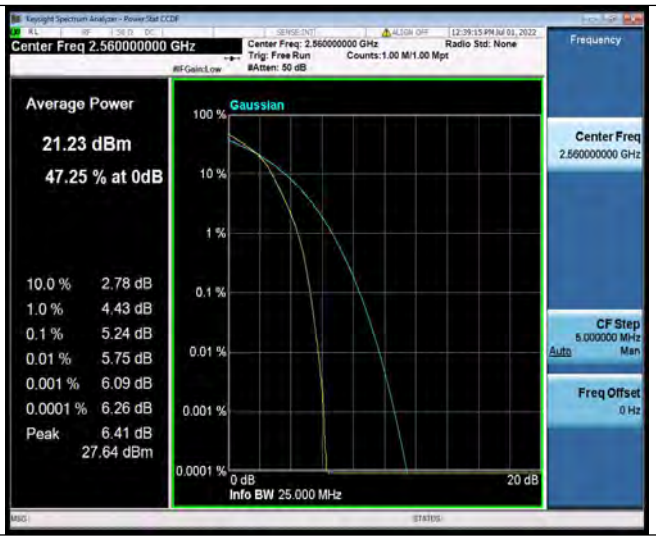
Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-1RB#0



Band7-20MHz-16QAM-21350-100RB#0


Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
#Atten: 50 dB
Radio Std: None
Counts:1.00 M/1.00 Mpt
Frequency
Average Power
21.23 dBm
47.25 % at 0dB
Gaussian
100 %
10 %
1 %
0.1 %
0.01 %
0.001 %
0.0001 %
10.0 % 2.78 dB
1.0 % 4.43 dB
0.1 % 5.24 dB
0.01 % 5.75 dB
0.001 % 6.09 dB
0.0001 % 6.26 dB
Peak 6.41 dB
27.64 dBm
0 dB
20 dB
Info BW 25.000 MHz
Center Freq
2.560000000 GHz
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz

26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.5010	4.921	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.4964	4.866	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.5004	4.893	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.5069	4.932	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.5064	4.855	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.5042	4.866	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.9658	9.589	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.9652	9.535	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.9629	9.541	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.9539	9.550	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.9605	9.546	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.9585	9.541	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.449	14.35	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.434	14.23	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.462	14.27	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.440	14.29	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.422	14.25	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.443	14.30	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.917	18.97	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.884	19.00	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.915	18.99	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.905	18.94	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.903	18.98	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.928	19.00	PASS

Test Graphs

Band7-5MHz-QPSK-20775-25RB#0

Band7-5MHz-QPSK-21100-25RB#0

Band7-5MHz-QPSK-21425-25RB#0

Band7-5MHz-16QAM-20775-25RB#0

Band7-5MHz-16QAM-21100-25RB#0

Band7-5MHz-16QAM-21425-25RB#0

Band7-10MHz-QPSK-20800-50RB#0

Band7-10MHz-QPSK-21100-50RB#0

Band7-10MHz-QPSK-21400-50RB#0

Band7-10MHz-16QAM-20800-50RB#0

Band7-10MHz-16QAM-21100-50RB#0

Band7-10MHz-16QAM-21400-50RB#0

Band7-15MHz-QPSK-20825-75RB#0

Band7-15MHz-QPSK-21100-75RB#0

Band7-15MHz-QPSK-21375-75RB#0

Band7-15MHz-16QAM-20825-75RB#0

Band7-15MHz-16QAM-21100-75RB#0

Band7-15MHz-16QAM-21375-75RB#0

Band7-20MHz-QPSK-20850-100RB#0

Band7-20MHz-QPSK-21100-100RB#0

Band7-20MHz-QPSK-21350-100RB#0

Band7-20MHz-16QAM-20850-100RB#0

Band7-20MHz-16QAM-21100-100RB#0

Band7-20MHz-16QAM-21350-100RB#0

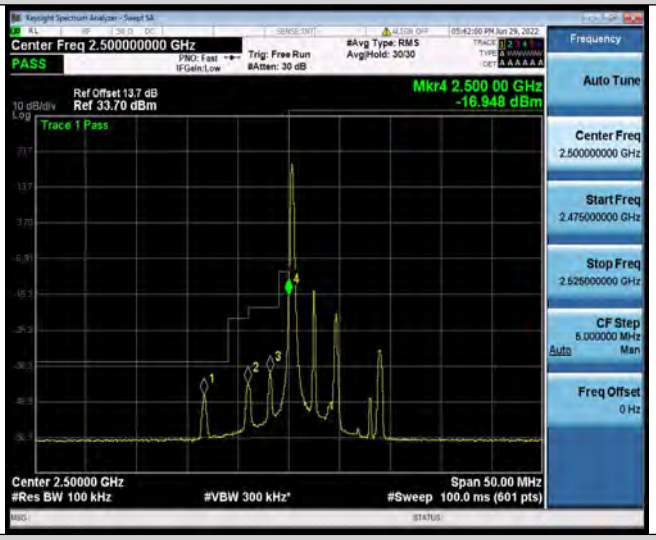

Center Freq 2.560000000 GHz
Center Freq: 2.560000000 GHz
Trig: Free Run
Avg|Hold: 30/30
#Atten: 40 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 13.62 dB
10 dB/div
Ref 35.00 dBm
Log
Center Freq
2.560000000 GHz
Center 2.56 GHz
#Res BW 390 kHz
#VBW 1.2 MHz
Span 40 MHz
#Sweep 100 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.928 MHz
Total Power
21.9 dBm
Transmit Freq Error
-3.473 kHz
OBW Power
99.00 %
x dB Bandwidth
19.00 MHz
x dB
-26.00 dB
Freq Offset
0 Hz

BAND EDGE

Test Result

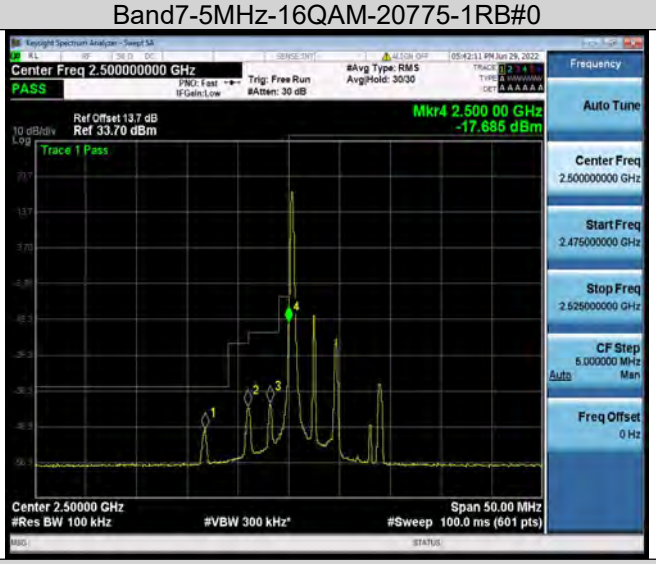
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	-44.71,-41.46,-38.50,-16.95	PASS
Band7	5MHz	QPSK	20775	25RB#0	-47.50,-39.68,-29.89,-23.35	PASS
Band7	5MHz	QPSK	21425	1RB#24	-17.70,-39.86,-55.03,-52.55	PASS
Band7	5MHz	QPSK	21425	25RB#0	-25.18,-33.13,-46.41,-48.23	PASS
Band7	5MHz	16QAM	20775	1RB#0	-47.33,-41.00,-39.85,-17.68	PASS
Band7	5MHz	16QAM	20775	25RB#0	-48.96,-43.11,-31.99,-25.22	PASS
Band7	5MHz	16QAM	21425	1RB#24	-19.34,-41.57,-55.36,-54.11	PASS
Band7	5MHz	16QAM	21425	25RB#0	-26.36,-35.87,-47.75,-49.92	PASS
Band7	10MHz	QPSK	20800	1RB#0	-48.74,-36.80,-35.30,-24.30	PASS
Band7	10MHz	QPSK	20800	50RB#0	-46.52,-32.44,-29.44,-25.07	PASS
Band7	10MHz	QPSK	21400	1RB#49	-26.30,-39.17,-40.65,-53.83	PASS
Band7	10MHz	QPSK	21400	50RB#0	-26.22,-30.01,-34.82,-46.93	PASS
Band7	10MHz	16QAM	20800	1RB#0	-50.19,-38.41,-37.74,-25.03	PASS
Band7	10MHz	16QAM	20800	50RB#0	-47.21,-35.32,-32.13,-28.12	PASS
Band7	10MHz	16QAM	21400	1RB#49	-26.88,-40.73,-41.77,-53.97	PASS
Band7	10MHz	16QAM	21400	50RB#0	-28.53,-32.46,-37.34,-46.59	PASS
Band7	15MHz	QPSK	20825	1RB#0	-36.31,-34.13,-44.66,-21.68	PASS
Band7	15MHz	QPSK	20825	75RB#0	-37.01,-30.54,-27.91,-24.92	PASS
Band7	15MHz	QPSK	21375	1RB#74	-24.11,-45.66,-38.06,-52.12	PASS
Band7	15MHz	QPSK	21375	75RB#0	-24.65,-28.02,-30.32,-46.71	PASS
Band7	15MHz	16QAM	20825	1RB#0	-36.99,-35.22,-45.50,-23.30	PASS
Band7	15MHz	16QAM	20825	75RB#0	-39.02,-32.35,-30.03,-27.91	PASS
Band7	15MHz	16QAM	21375	1RB#74	-24.42,-46.40,-37.37,-52.20	PASS
Band7	15MHz	16QAM	21375	75RB#0	-27.31,-30.07,-32.15,-46.15	PASS
Band7	20MHz	QPSK	20850	1RB#0	-38.22,-35.17,-44.53,-25.34	PASS
Band7	20MHz	QPSK	20850	100RB#0	-34.54,-30.54,-28.85,-26.68	PASS
Band7	20MHz	QPSK	21350	1RB#99	-26.16,-45.03,-37.05,-50.97	PASS
Band7	20MHz	QPSK	21350	100RB#0	-26.05,-28.38,-30.90,-47.73	PASS
Band7	20MHz	16QAM	20850	1RB#0	-38.42,-35.52,-44.43,-25.80	PASS
Band7	20MHz	16QAM	20850	100RB#0	-36.93,-32.72,-31.20,-29.26	PASS
Band7	20MHz	16QAM	21350	1RB#99	-26.48,-45.84,-38.72,-50.94	PASS
Band7	20MHz	16QAM	21350	100RB#0	-28.85,-30.84,-32.99,-47.54	PASS

Test Graphs

Band7-5MHz-QPSK-20775-1RB#0

Band7-5MHz-QPSK-20775-25RB#0

Band7-5MHz-QPSK-21425-1RB#24


Band7-5MHz-QPSK-21425-25RB#0

Band7-5MHz-16QAM-20775-1RB#0

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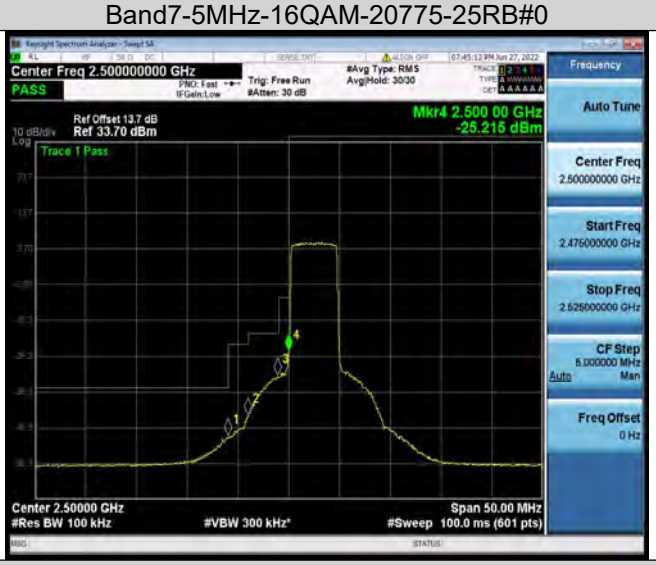
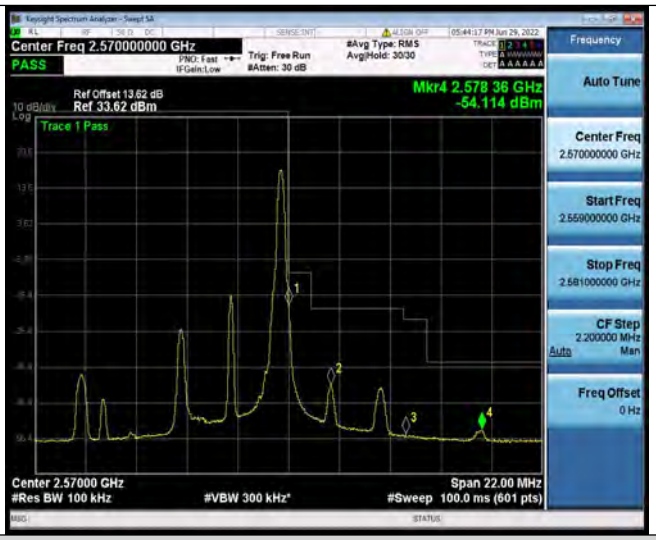
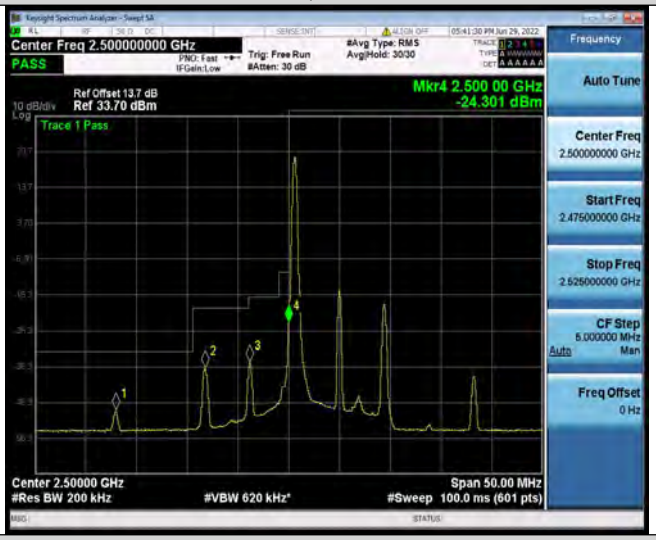

Band7-5MHz-16QAM-21425-1RB#24



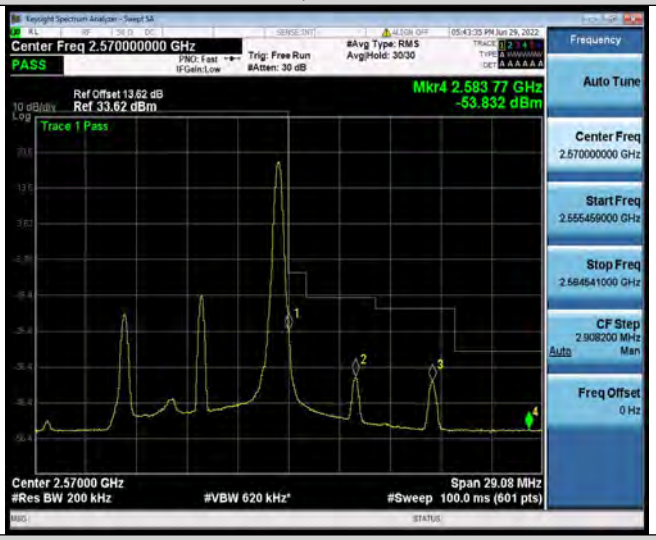
Band7-5MHz-16QAM-21425-25RB#0

Band7-10MHz-QPSK-20800-1RB#0



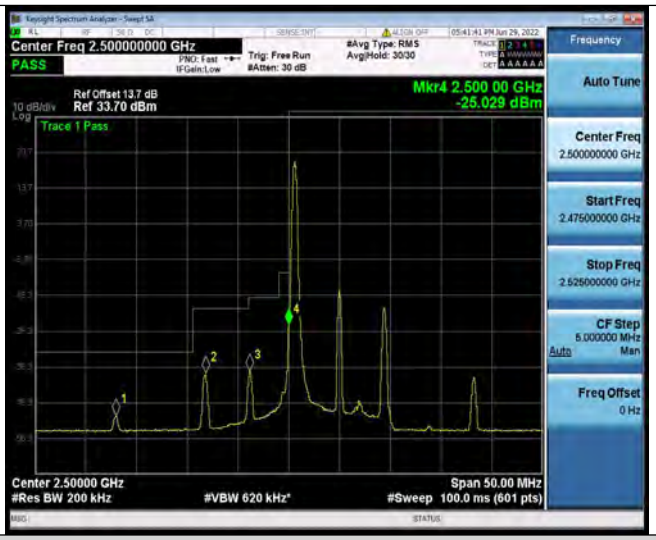
Band7-10MHz-QPSK-20800-50RB#0

Band7-10MHz-QPSK-21400-1RB#49

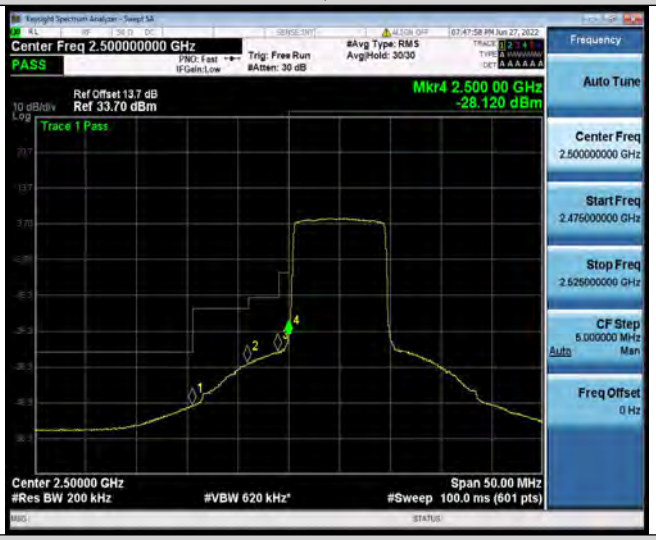


Band7-10MHz-QPSK-21400-50RB#0

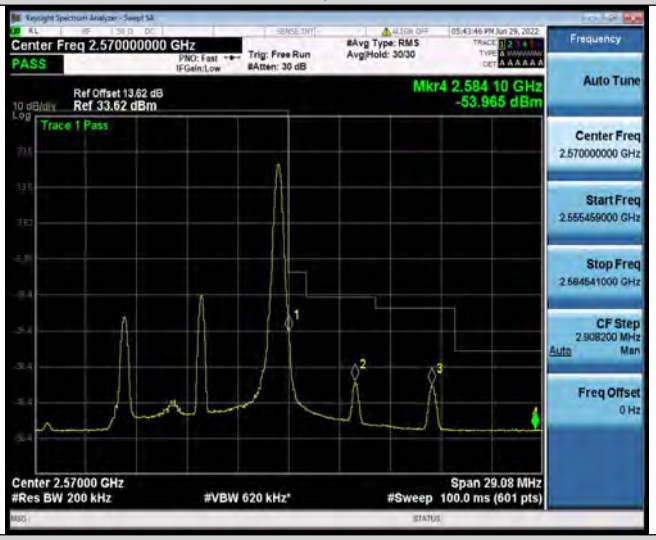
Band7-10MHz-16QAM-20800-1RB#0



Band7-10MHz-16QAM-20800-50RB#0

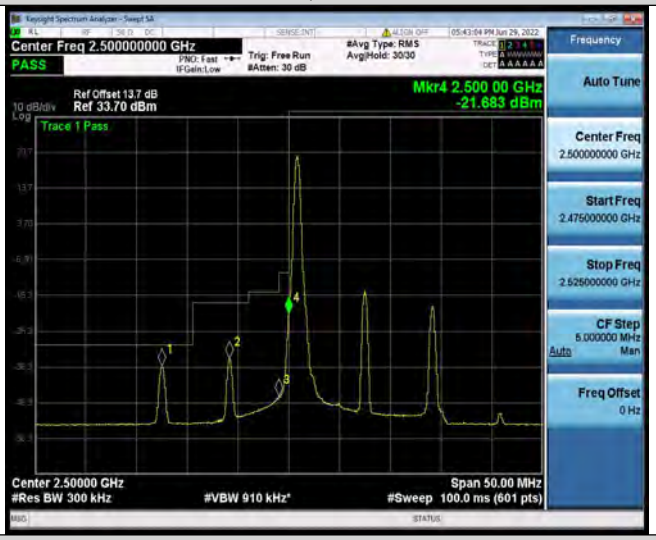


Band7-10MHz-16QAM-21400-1RB#49



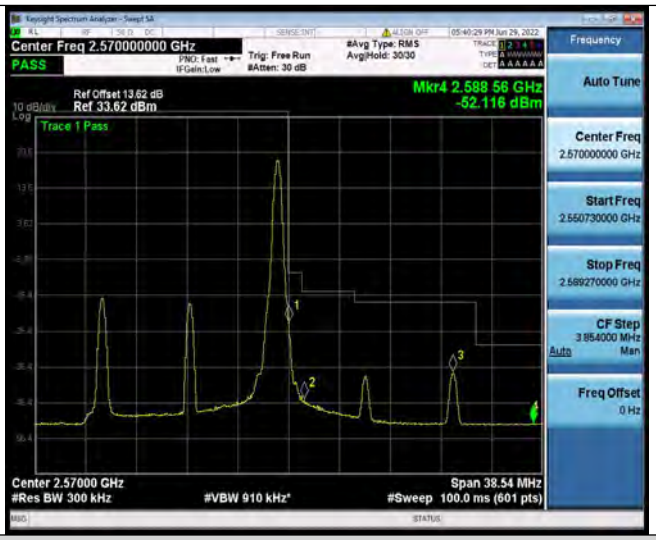
Band7-10MHz-16QAM-21400-50RB#0

Band7-15MHz-QPSK-20825-1RB#0



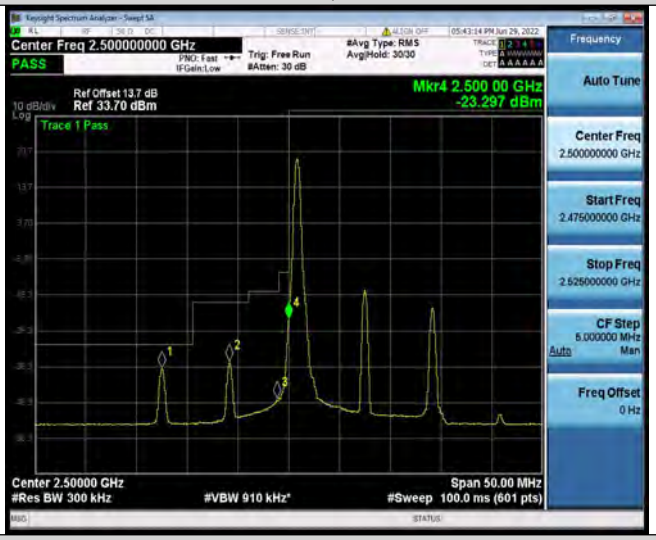
Band7-15MHz-QPSK-20825-75RB#0

Band7-15MHz-QPSK-21375-1RB#74



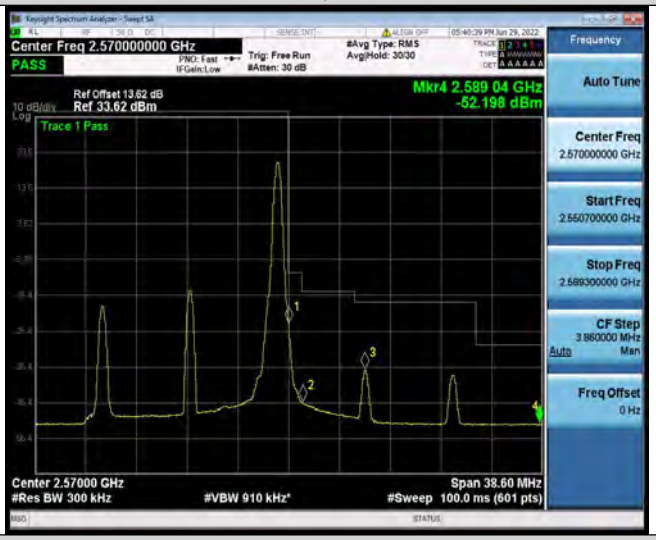
Band7-15MHz-QPSK-21375-75RB#0

Band7-15MHz-16QAM-20825-1RB#0



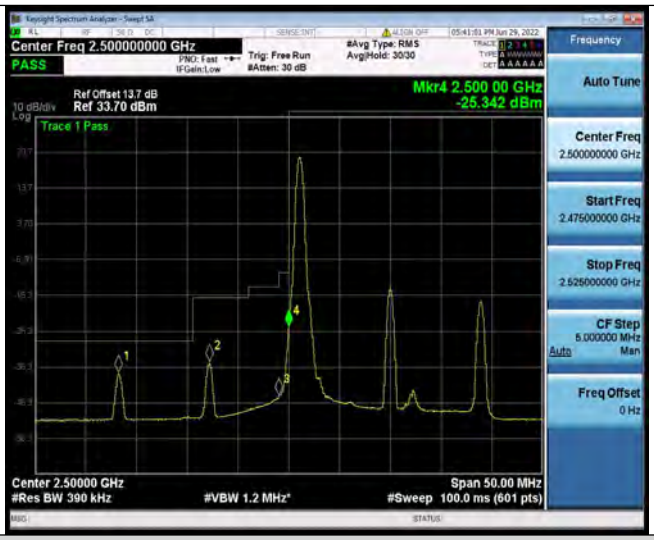
Band7-15MHz-16QAM-20825-75RB#0

Band7-15MHz-16QAM-21375-1RB#74



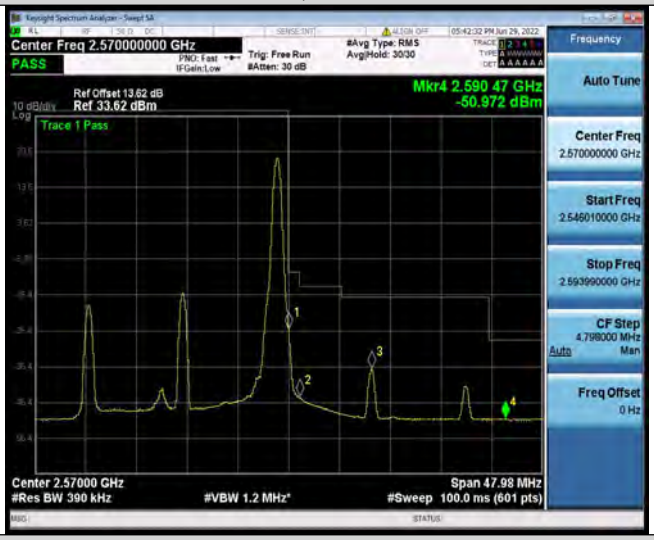
Band7-15MHz-16QAM-21375-75RB#0

Band7-20MHz-QPSK-20850-1RB#0



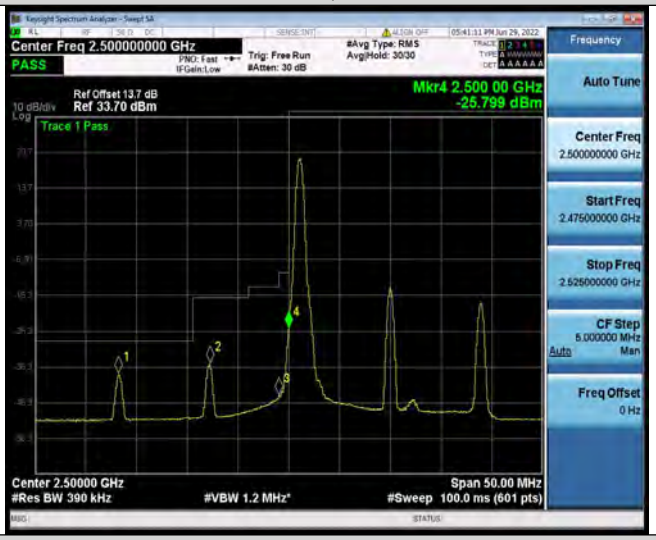
Band7-20MHz-QPSK-20850-100RB#0

Band7-20MHz-QPSK-21350-1RB#99



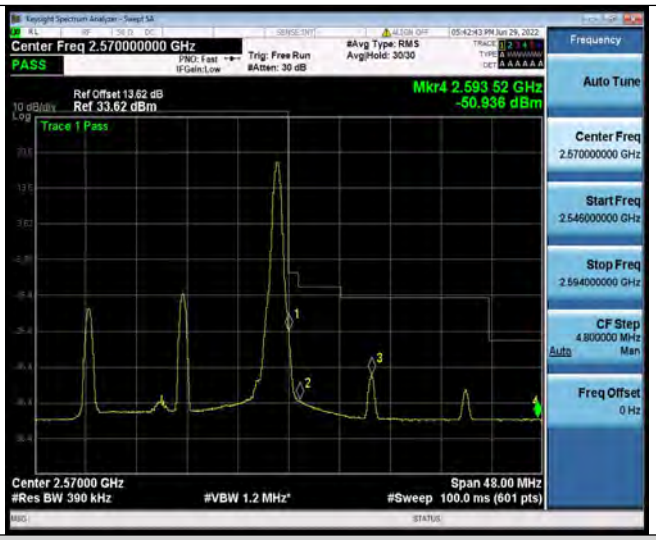
Band7-20MHz-QPSK-21350-100RB#0

Band7-20MHz-16QAM-20850-1RB#0



Band7-20MHz-16QAM-20850-100RB#0

Band7-20MHz-16QAM-21350-1RB#99



Band7-20MHz-16QAM-21350-100RB#0

CONDUCTED SPURIOUS EMISSION

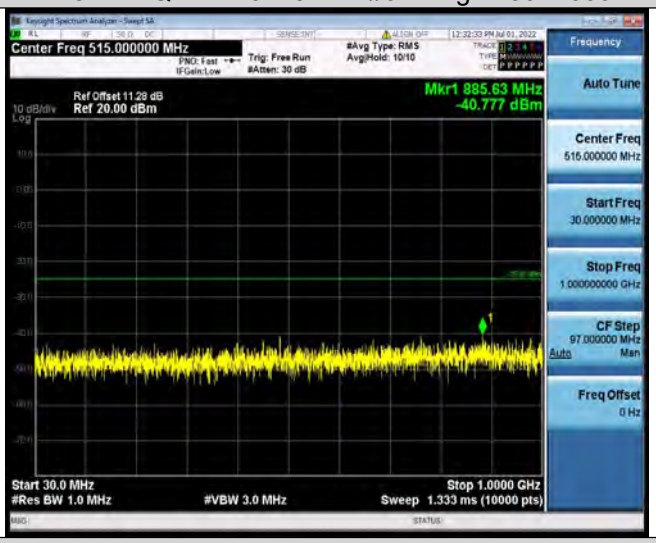
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range1:30~1000MHz	-40.78	PASS
Band7	5MHz	QPSK	20775	1RB#0	Range2:1000~27000MHz	-29.62	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-41.02	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-30.34	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range1:30~1000MHz	-40.68	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range2:1000~27000MHz	-30.71	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range1:30~1000MHz	-41.09	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range2:1000~27000MHz	-30.77	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-41.07	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-31.78	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range1:30~1000MHz	-41.46	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range2:1000~27000MHz	-30.76	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range1:30~1000MHz	-39.58	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range2:1000~27000MHz	-30.7	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-41.36	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-30.85	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range1:30~1000MHz	-40.21	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range2:1000~27000MHz	-30.94	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range1:30~1000MHz	-40.38	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range2:1000~27000MHz	-30.93	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-41.52	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-31.68	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range1:30~1000MHz	-39.94	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range2:1000~27000MHz	-31.05	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range1:30~1000MHz	-41.64	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range2:1000~27000MHz	-31.2	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-40.58	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-31.29	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range1:30~1000MHz	-40.93	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range2:1000~27000MHz	-30.97	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range1:30~1000MHz	-40.56	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range2:1000~27000MHz	-31.02	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-41.1	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-30.99	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range1:30~1000MHz	-40.97	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range2:1000~27000MHz	-30.36	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range1:30~1000MHz	-41.06	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range2:1000~27000MHz	-30.84	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range1:30~1000MHz	-40.31	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range2:1000~27000MHz	-30.43	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range1:30~1000MHz	-40.94	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range2:1000~27000MHz	-31.73	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range1:30~1000MHz	-41.48	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range2:1000~27000MHz	-30.83	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range1:30~1000MHz	-41.29	PASS

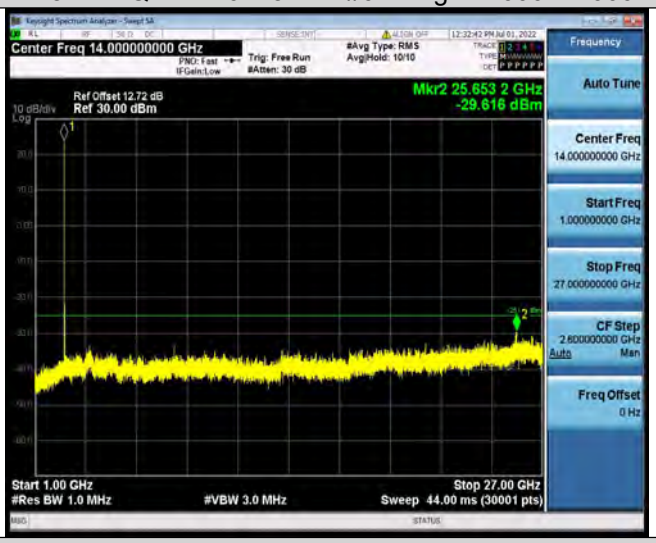
Band7	20MHz	16QAM	21100	1RB#0	Range2:1000~27000MHz	-30.73	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range1:30~1000MHz	-40.39	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range2:1000~27000MHz	-30.66	PASS

Test Graphs

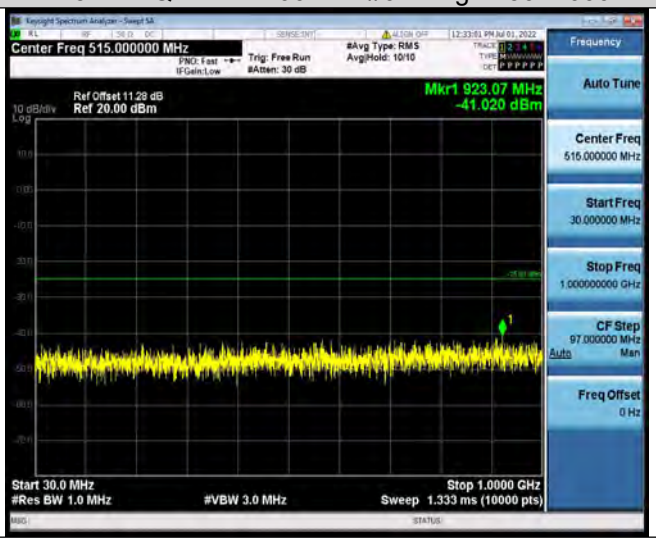
Band7-5MHz-QPSK-20775-1RB#0-Range1:30~1000MHz



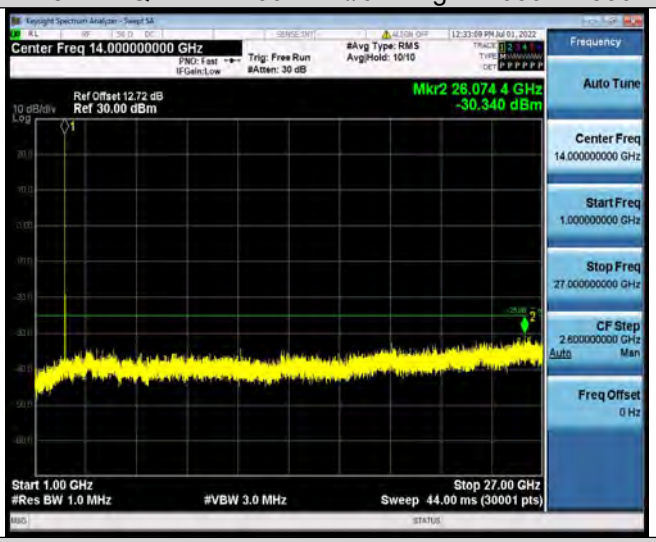
Band7-5MHz-QPSK-20775-1RB#0-Range2:1000~27000MHz



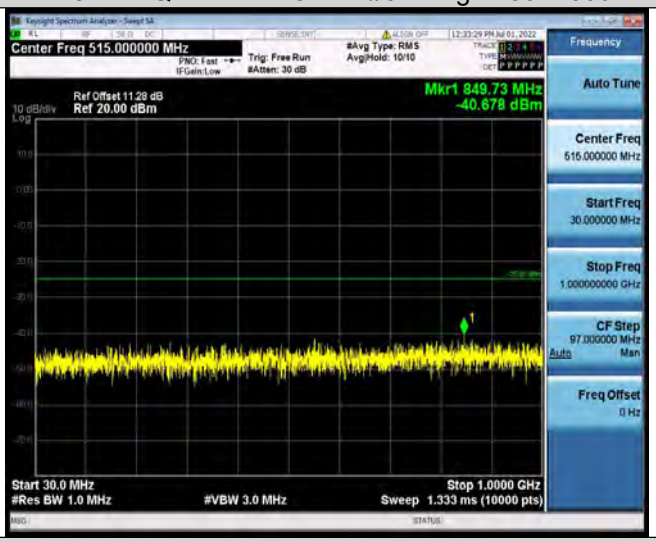
Band7-5MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



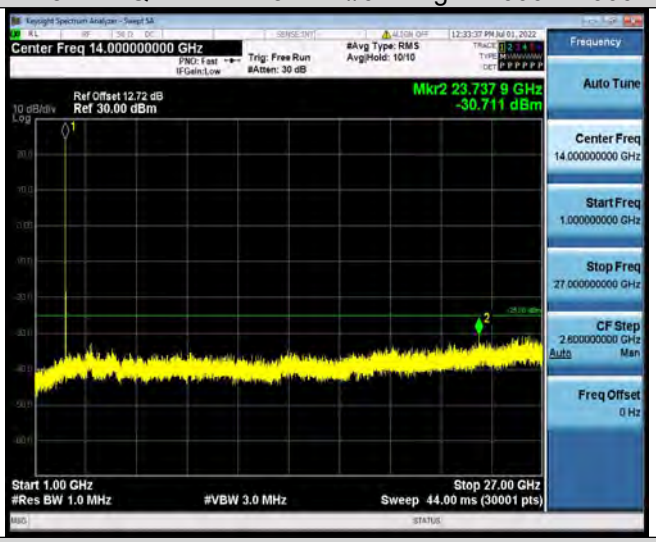
Band7-5MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



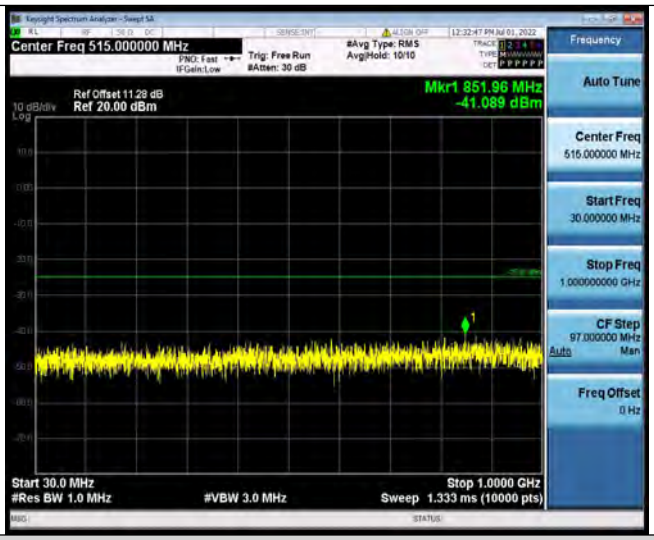
Band7-5MHz-QPSK-21425-1RB#0-Range1:30~1000MHz



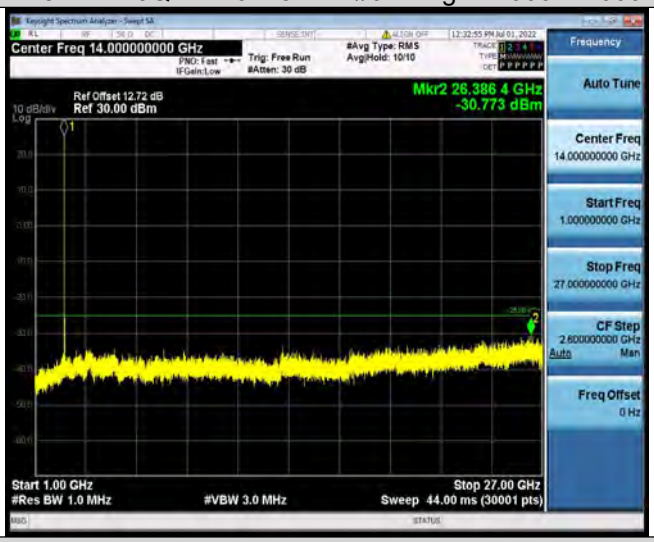
Band7-5MHz-QPSK-21425-1RB#0-Range2:1000~27000MHz



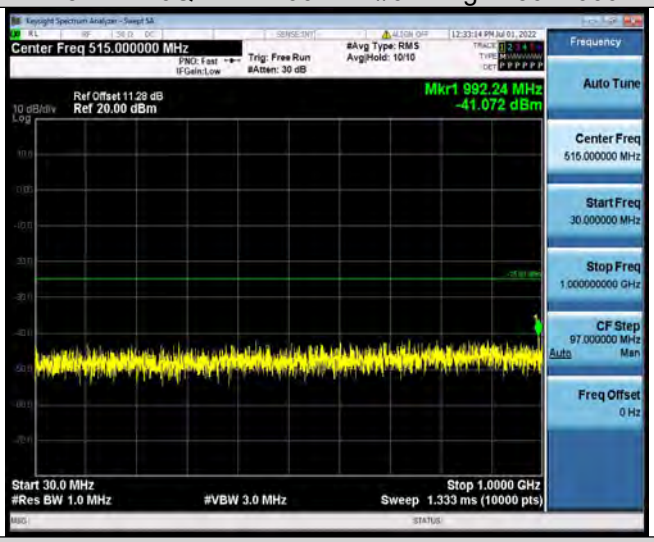
Band7-5MHz-16QAM-20775-1RB#0-Range1:30~1000MHz



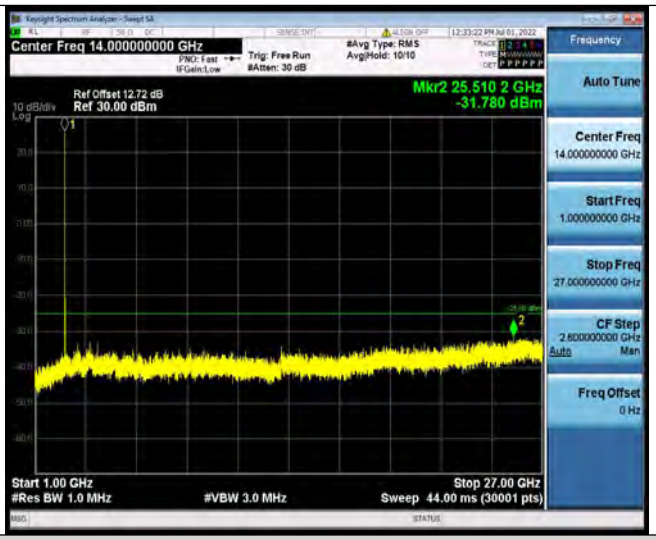
Band7-5MHz-16QAM-20775-1RB#0-Range2:1000~27000MHz



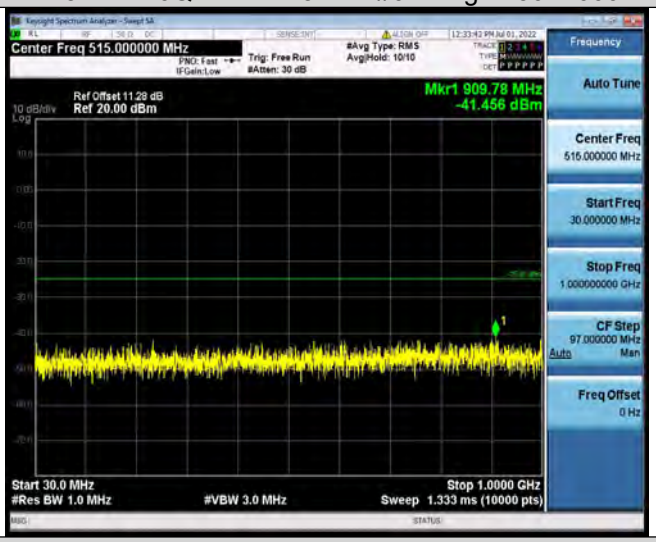
Band7-5MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



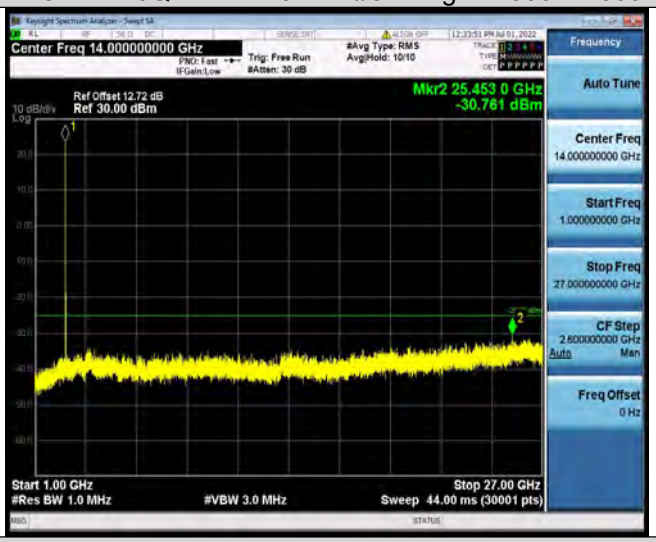
Band7-5MHz-16QAM-21100-1RB#0-Range2:1000~27000MHz



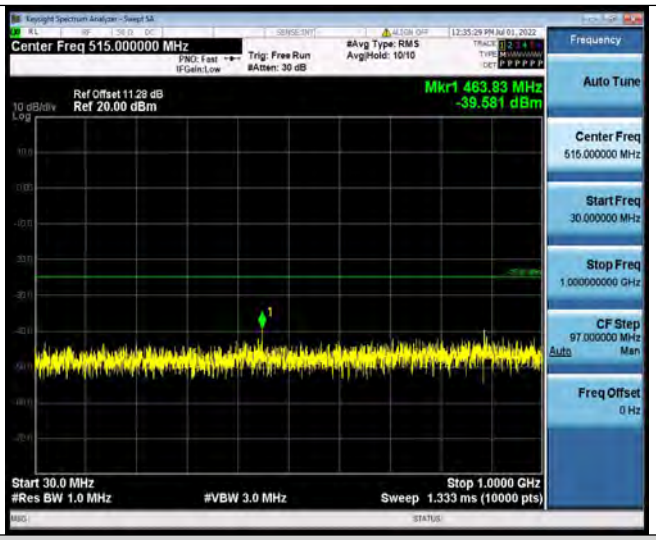
Band7-5MHz-16QAM-21425-1RB#0-Range1:30~1000MHz



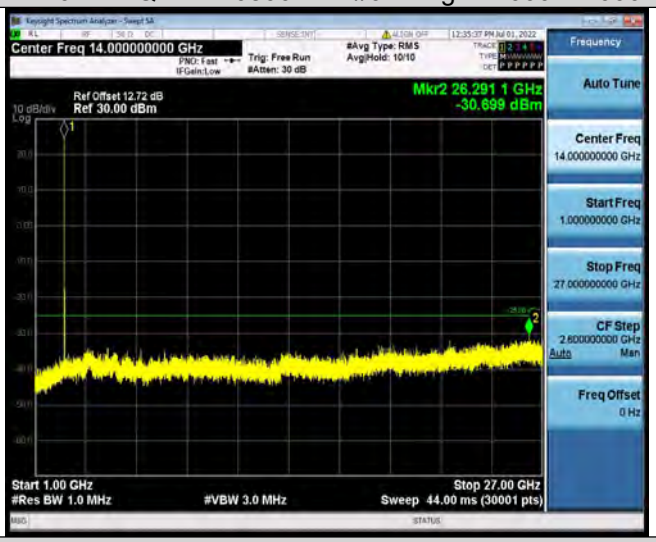
Band7-5MHz-16QAM-21425-1RB#0-Range2:1000~27000MHz



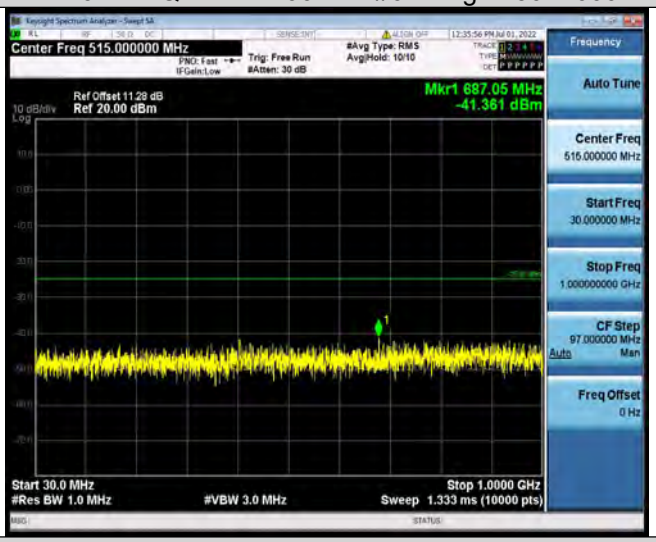
Band7-10MHz-QPSK-20800-1RB#0-Range1:30~1000MHz



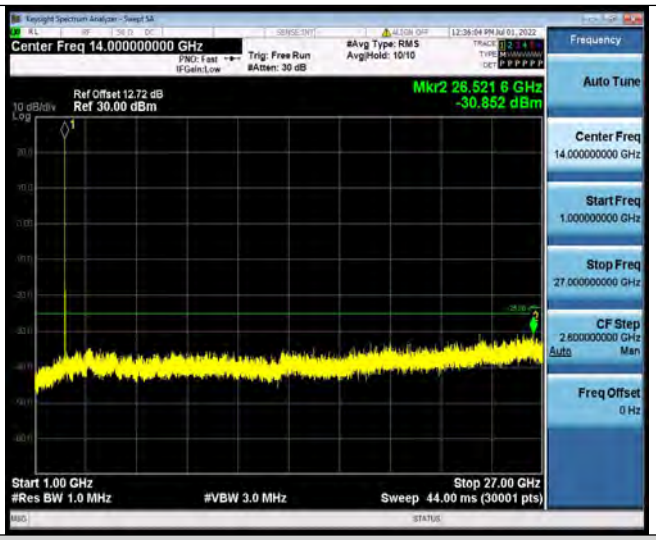
Band7-10MHz-QPSK-20800-1RB#0-Range2:1000~27000MHz



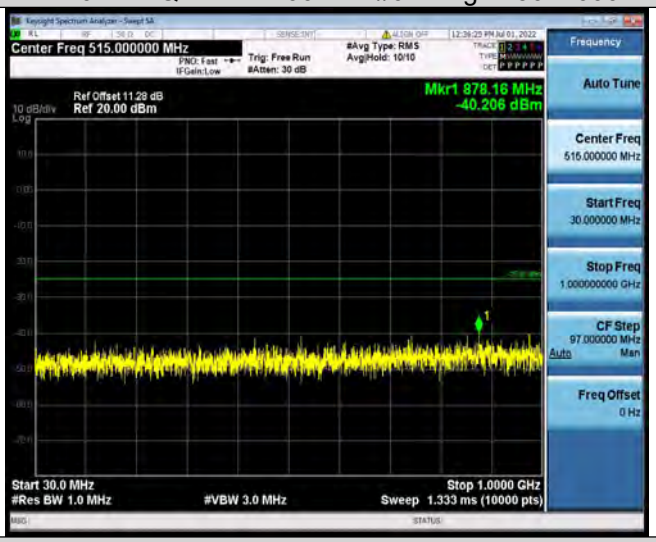
Band7-10MHz-QPSK-21100-1RB#0-Range1:30~1000MHz



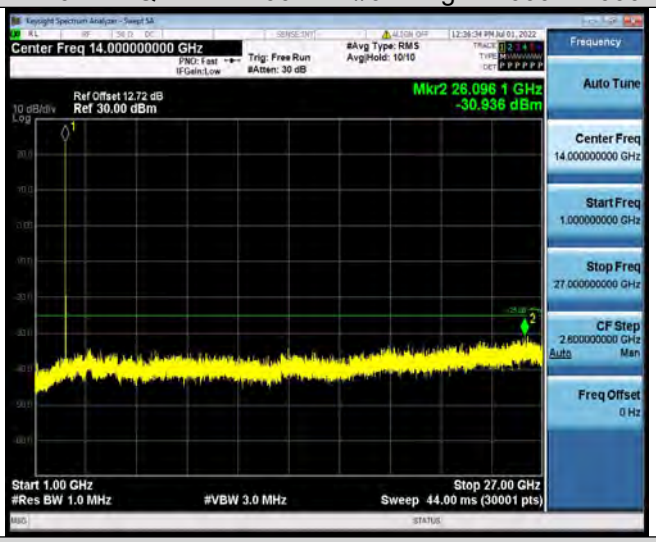
Band7-10MHz-QPSK-21100-1RB#0-Range2:1000~27000MHz



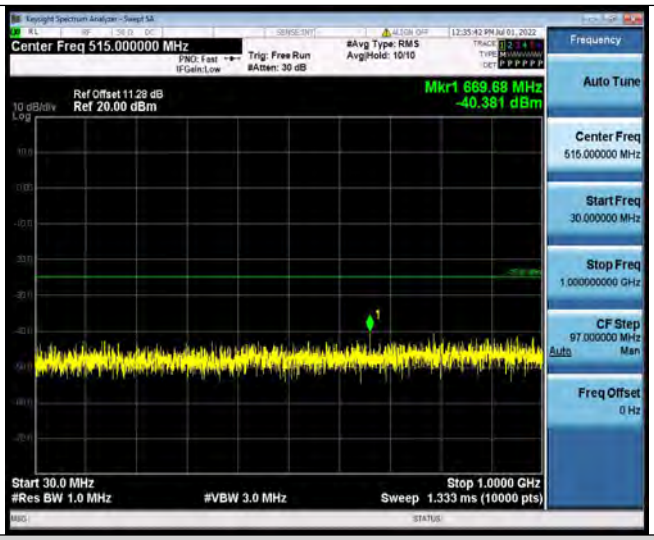
Band7-10MHz-QPSK-21400-1RB#0-Range1:30~1000MHz



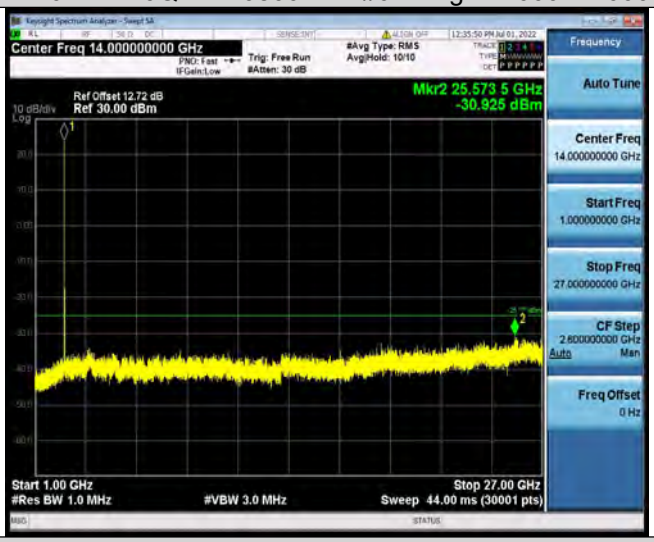
Band7-10MHz-QPSK-21400-1RB#0-Range2:1000~27000MHz



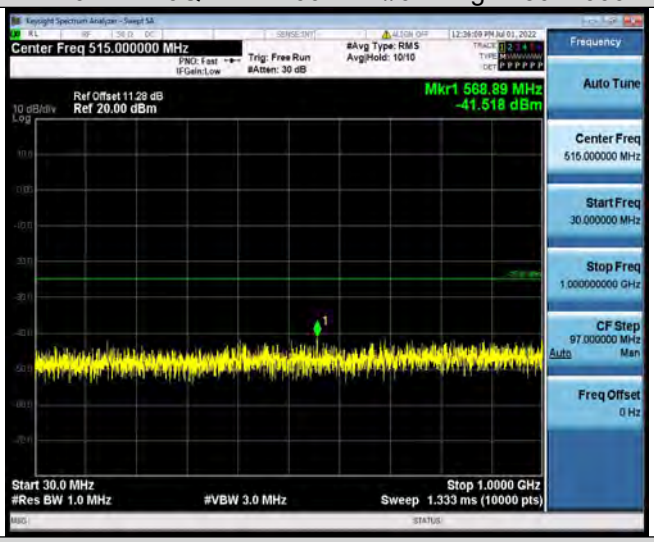
Band7-10MHz-16QAM-20800-1RB#0-Range1:30~1000MHz



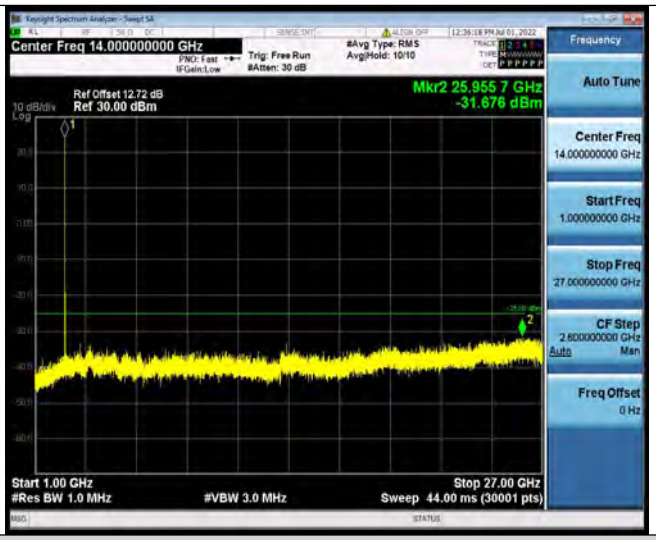
Band7-10MHz-16QAM-20800-1RB#0-Range2:1000~27000MHz



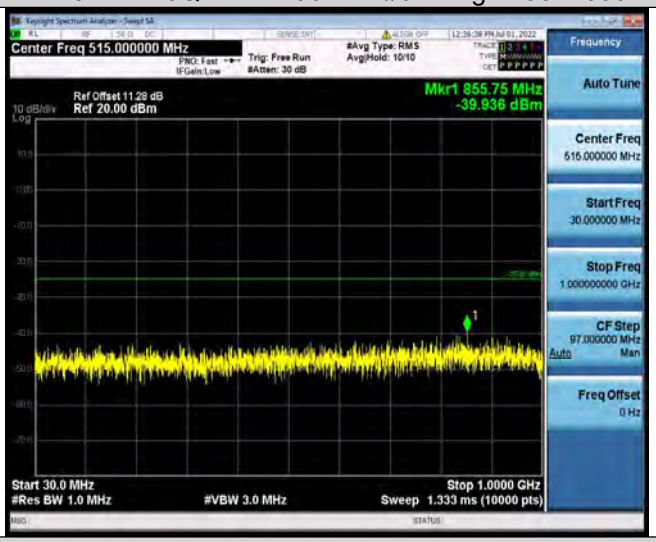
Band7-10MHz-16QAM-21100-1RB#0-Range1:30~1000MHz



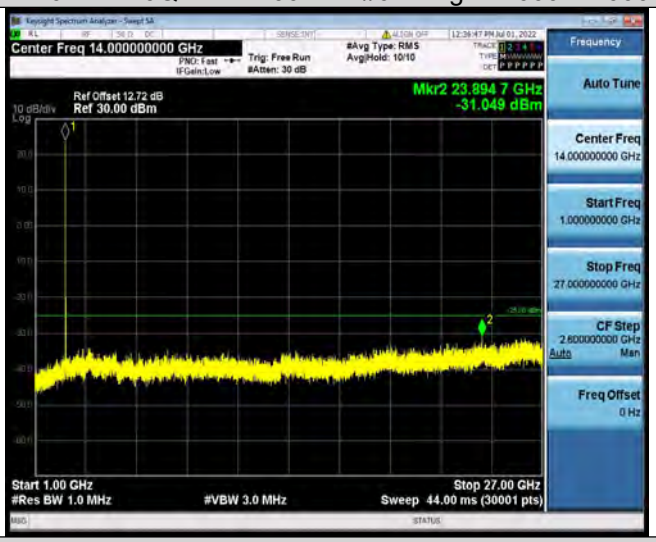
Band7-10MHz-16QAM-21100-1RB#0-Range2:1000~27000MHz



Band7-10MHz-16QAM-21400-1RB#0-Range1:30~1000MHz



Band7-10MHz-16QAM-21400-1RB#0-Range2:1000~27000MHz



Band7-15MHz-QPSK-20825-1RB#0-Range1:30~1000MHz