

VARIANT FCC TEST REPORT

(PART 27)

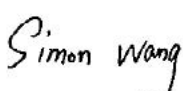
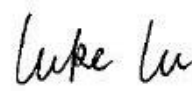
Applicant:	i.safe MOBILE GmbH
Address:	i_Park Tauberfranken 10 97922 Lauda-Koenigshofen Germany

Manufacturer or Supplier:	i.safe MOBILE GmbH
Address:	i_Park Tauberfranken 10 97922 Lauda-Koenigshofen Germany
Product:	Mobile phone
Marketing Name:	IS440.x,EdgeOne,EdgeTwo
Brand Name:	i.safe MOBILE,RuggedEdge
Model Name:	M440A01
FCC ID:	2AACZ-M440A01
Date of tests:	Apr. 01, 2024 ~ July. 6, 2024

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

- ☒ **FCC Part 27** ☒ **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 Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
 Date: Dec. 30, 2024	 Date: Dec. 30, 2024

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Test Report No.: PSZ-NQN2412090319RF07

5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB. 132



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P24030018RF07	Original release	July. 6, 2024
PSZ-NQN2412090319RF07	This product has differences in appearance design and prototype size compared to the original product. .Because those changes doesn't affect any function, so this report doesn't updated any test data.	Dec. 30, 2024

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 AND LIMIT	RESULT
§2.1046	Conducted Output Power	Compliance
§27.50(d)(4) §27.50(h)(2) §27.50(k)(3)	Equivalent Isotropically Radiated Power (Band 4) (Band 38) (Band 41) (Band 42) (Band 66)	Compliance
§2.1055 §27.54	Frequency Stability	Compliance
§2.1049	Occupied Bandwidth	Compliance
§2.1051 §27.53(h) §27.53(m)(4)(6) §27.53(n)(2)	Conducted Band Edge Measurements (Band 4) (Band 38) (Band 41) (Band 42) (Band 66)	Compliance
§2.1051 §27.53(h) §27.53(m)(4)(6) §27.53(n)(2)	Conducted Spurious Emissions ((Band 4) (Band 38) (Band 41) (Band 42) (Band 66)	Compliance
§2.1053 §27.53(h) §27.53(m)(4)(6) §27.53(n)(2)	Radiated Spurious Emissions (Band 4) (Band 38) (Band 41) (Band 42) (Band 66)	Compliance
§27.50(d)(5)	Peak to average ratio	Compliance

NOTE:

The worst-case scenario for all measurements is based on an engineering evaluation made on different modulations. Then, QPSK and 16QAM were observed as the worst mode to LTE bands respectively and set for all conducted and radiated. Output power measurements were measured on QPSK, 16QAM, 64QAM, and 256QAM modulations, and tests other than output power are performed only in worse-case QPSK and 16QAM modulations.

1.1 MEASUREMENT 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	$\pm 76.97\text{Hz}$
Radiated emissions (9KHz~30MHz)	$\pm 2.68\text{dB}$
Radiated emissions & Radiated Power (30MHz~1GHz)	$\pm 4.98\text{dB}$
Radiated emissions & Radiated Power (1GHz ~6GHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GHz ~18GHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GHz ~40GHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Conducted Output power	$\pm 2.06\text{dB}$
Band Edge Measurements	$\pm 4.70\text{dB}$

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	Mar. 28,24	Mar. 27,25
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.10,23	May.09,24
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.09,24	May.08,25
Loop Antenna	Schwarzbeck	FMZB 1519B	00173	Sep.03,23	Sep.02,24
Bilog Antenna	ETS-LINDGRE N	3143B	00161965	Feb. 18,24	Feb. 17,25
Horn Antenna	ETS-LINDGRE N	3117	00168692	Feb. 18,24	Feb. 17,25
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K- SG/QMS-00361	15433	Sep.04, 23	Sep.03, 24
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Feb. 14,24	Feb. 13,25
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May. 06,23	May. 05,24
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May. 05,24	May. 04,25
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.10,23	May.09,24
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.09,24	May.08,25
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Feb. 17,24	Feb.16,25
3m Semi-anechoic Chamber	ETS-LINDGRE N	9m*6m*6m	Euroshieldpn- CT0001143-121 6	Nov. 14,23	Nov. 13,26
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	50HF-010-SMA	May. 06,23	May. 05,24
10dB Attenuator	JFW/USA	50HF-010-SMA	50HF-010-SMA	May. 05,24	May. 04,25
Power Meter	Anritsu	ML2495A	1506002	Feb. 14,24	Feb. 13,25
Power Sensor	Anritsu	MA2411B	1339352	Feb. 14,24	Feb. 13,25
Temperature Chamber	ESPEC	SH-242	93000855	May. 06,23	May. 05,24
Temperature Chamber	ESPEC	SH-242	93000855	May. 05,24	May. 04,25
MXG Analog Microvave Signal Generator	KEYSIGHT	N5183A	MY50143024	Feb. 14,24	Feb. 13,25
Base station R&S CMW500	Rohde&Schwa rz	CMW500	153085	May.10,23	May.09,24
Base station R&S CMW500	Rohde&Schwa rz	CMW500	153085	May.09,24	May.08,25
DC Source	Kikusui/JP	PMX18-5A	N/A	Aug. 11,23	Aug. 10,24

- 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.
4. The FCC Site Registration No. is 525120; The Designation No. is CN1171.

2 GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

PRODUCT	Mobile phone	
MARKETING NAME	IS440.x,EdgeOne,EdgeTwo	
BRAND NAME	i.safe MOBILE,RuggedEdge	
MODEL NAME	M440A01	
NOMINAL VOLTAGE	5Vdc (adapter or host equipment) 3.7Vdc (Li-ion, battery)	
MODULATION TECHNOLOGY	LTE	QPSK, 16QAM, 64QAM, 256QAM
FREQUENCY RANGE	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 38 Channel Bandwidth: 5MHz	2572.5MHz ~ 2617.5MHz
	LTE Band 38 Channel Bandwidth: 10MHz	2575MHz ~ 2615MHz
	LTE Band 38 Channel Bandwidth: 15MHz	2577.5MHz ~ 2612.5MHz
	LTE Band 38 Channel Bandwidth: 20MHz	2580MHz ~ 2610MHz
	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 42 Channel Bandwidth: 5MHz	3452.5 MHz ~ 3547.5MHz
	LTE Band 42 Channel Bandwidth: 10MHz	3455MHz ~ 3545MHz



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	LTE Band 42 Channel Bandwidth: 15MHz	3457.5MHz ~ 3542.5MHz
FREQUENCY RANGE	LTE Band 42 Channel Bandwidth: 20MHz	3460MHz ~ 3540MHz
	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
MAX. EIRP POWER	LTE Band 4 Channel Bandwidth: 1.4MHz	156.68mW
	LTE Band 4 Channel Bandwidth: 3MHz	158.49mW
	LTE Band 4 Channel Bandwidth: 5MHz	154.53mW
	LTE Band 4 Channel Bandwidth: 10MHz	158.49mW
	LTE Band 4 Channel Bandwidth: 15MHz	153.46mW
	LTE Band 4 Channel Bandwidth: 20MHz	158.85mW
	LTE Band 38 Channel Bandwidth: 5MHz	166.72mW
	LTE Band 38 Channel Bandwidth: 10MHz	166.34mW
	LTE Band 38 Channel Bandwidth: 15MHz	165.58mW
	LTE Band 38 Channel Bandwidth: 20MHz	168.66mW
	LTE Band 41 Channel Bandwidth: 5MHz	167.49mW
	LTE Band 41 Channel Bandwidth: 10MHz	165.2mW
	LTE Band 41 Channel Bandwidth: 15MHz	165.96mW
	LTE Band 41 Channel Bandwidth: 20MHz	169.04mW



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MAX. EIRP POWER	LTE Band 42 Channel Bandwidth: 5MHz	161.81mW
	LTE Band 42 Channel Bandwidth: 10MHz	161.81mW
	LTE Band 42 Channel Bandwidth: 15MHz	163.68mW
	LTE Band 42 Channel Bandwidth: 20MHz	164.44mW
	LTE Band 66 Channel Bandwidth: 1.4MHz	167.49mW
	LTE Band 66 Channel Bandwidth: 3MHz	165.2mW
	LTE Band 66 Channel Bandwidth: 5MHz	166.72mW
	LTE Band 66 Channel Bandwidth: 10MHz	165.96mW
	LTE Band 66 Channel Bandwidth: 15MHz	164.82mW
	LTE Band 66 Channel Bandwidth: 20MHz	168.27mW
EMISSION DESIGNATOR	LTE Band 41 Channel Bandwidth: 5MHz	QPSK: 4M53G7D 16QAM: 4M51W7D
	LTE Band 41 Channel Bandwidth: 10MHz	QPSK: 9M02G7D 16QAM: 8M98W7D
	LTE Band 41 Channel Bandwidth: 15MHz	QPSK: 13M5G7D 16QAM: 13M5W7D
	LTE Band 41 Channel Bandwidth: 20MHz	QPSK: 18M0G7D 16QAM: 18M0W7D
	LTE Band 42 Channel Bandwidth: 5MHz	QPSK: 4M52G7D 16QAM: 4M51W7D
	LTE Band 42 Channel Bandwidth: 10MHz	QPSK: 9M01G7D 16QAM: 9M00W7D
	LTE Band 42 Channel Bandwidth: 15MHz	QPSK: 13M5G7D 16QAM: 13M5W7D
	LTE Band 42 Channel Bandwidth: 20MHz	QPSK: 18M0G7D 16QAM: 18M0W7D
	LTE Band 66 Channel Bandwidth: 1.4MHz	QPSK: 1M09G7D 16QAM: 1M10W7D
	LTE Band 66 Channel Bandwidth: 3MHz	QPSK: 2M71G7D 16QAM: 2M70W7D
EMISSION DESIGNATOR	LTE Band 42 Channel Bandwidth: 15MHz	QPSK: 13M5G7D 16QAM: 13M5W7D
	LTE Band 42 Channel Bandwidth: 20MHz	QPSK: 18M0G7D 16QAM: 18M0W7D
	LTE Band 66 Channel Bandwidth: 1.4MHz	QPSK: 1M09G7D 16QAM: 1M10W7D
	LTE Band 66 Channel Bandwidth: 3MHz	QPSK: 2M71G7D 16QAM: 2M70W7D



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	LTE Band 66 Channel Bandwidth: 5MHz	QPSK: 4M54G7D
		16QAM: 4M51W7D
	LTE Band 66 Channel Bandwidth: 10MHz	QPSK: 9M00G7D
		16QAM: 9M00W7D
	LTE Band 66 Channel Bandwidth: 15MHz	QPSK: 13M5G7D
		16QAM: 13M5W7D
	LTE Band 66 Channel Bandwidth: 20MHz	QPSK: 18M0G7D
		16QAM: 18M0W7D
ANTENNA TYPE	ANT1: PIFA Antenna with -1.2dBi gain for LTE B4 PIFA Antenna with -1dBi gain for LTE B38 PIFA Antenna with -0.9dBi gain for LTE B41 PIFA Antenna with -1.2dBi gain for LTE B66 ANT7: PIFA Antenna with -0.75dBi gain for LTE B42	
HW VERSION	V05	
SW VERSION	IS440_00.00_1_20240613	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	USB cable: With shielded cable, w/o ferrite core, 1.0 meter	
EXTREME TEMPERATURE	-10-55 °C	
EXTREME VOLTAGE	3.6V - 4.2V	

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.

MODULATION MODE	TX FUNCTION
LTE	1TX

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Antenna gain and EUT conducted cable loss are provided by the customer, and the laboratory will record the results based on these items that involve these two parameters.

5. List of Accessory:

ACCESSORIES	BRAND	MANUFACTURER	MODEL	SPECIFICATION
AC Adapter	N/A	SHENZHEN SHI YINGYUAN POWER SUPPLY TECHNOLOGY CO., LTD.	ICP12-050-2000B	I/P: 100-240Vac, 0.5A, O/P: 5Vdc, 2A
Battery 1	N/A	FPR Connectivity Technology Inc.	BPIS440A.1A	Capacity: 3.7Vdc, 2400mAh



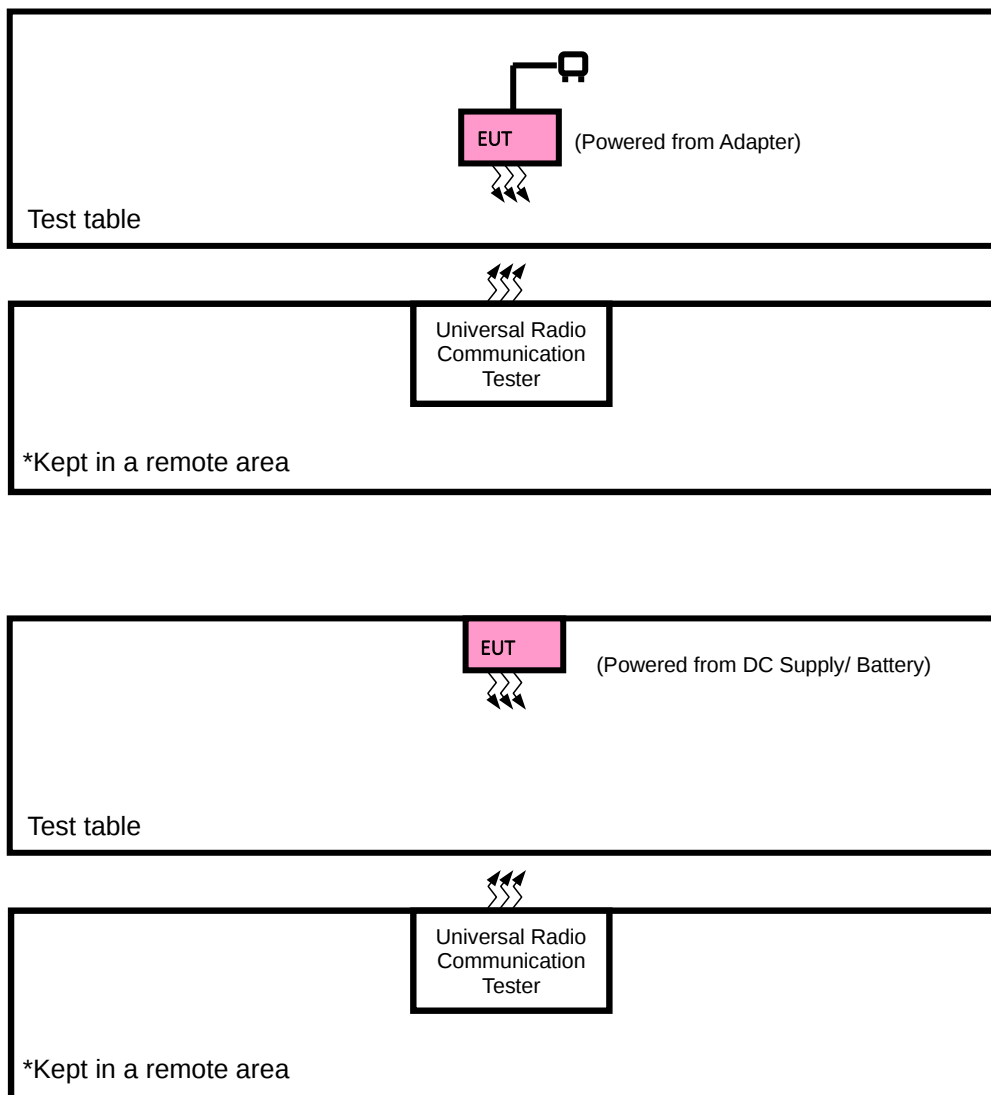
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Battery 2	N/A	FPR Connectivity Technology Inc.	IS440.1H	Capacity: 3.7Vdc, 4800mAh
USB Cable	N/A	Winpower Technology Co., LTD	PROTECTOR 2.0	Signal Line,1.0meter

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	N/A	N/A	N/A	N/A	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	USB cable: Unshielded, Detachable 1.0m

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 + Adapter + USB Cable with LTE link
B	EUT + Supply with LTE link

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, 64QAM, 256QAM	1 RB / 0 RB Offset
		19965 to 20385	19965, 20175, 20385	3MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		19975 to 20375	19975, 20175, 20375	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		20000 to 20350	20000, 20175, 20350	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		20025 to 20325	20025, 20175, 20325	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		20050 to 20300	20050, 20175, 20300	20MHz	QPSK, 16QAM, 64QAM, 256QAM	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. LTE Band 4 are covered by LTE Band 66, Because it is a subset of LTE Band 66 with the same output power and supported bandwidths, So the conducted test data and RSE test data please refer to LTE Band 66

LTE BAND 38 MODE

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	37775 to 38225	37775, 38000, 38225	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		37800 to 38200	37800, 38000, 38200	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		37825 to 38175	37825, 38000, 38175	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		37850 to 38150	37850, 38000, 38150	20MHz	QPSK, 16QAM, 64QAM, 256QAM	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. LTE Band 38 are covered by LTE Band 41, Because it is a subset of LTE Band 41 with the same output power and supported bandwidths, So the RSE test data please refer to LTE Band 41.

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, 64QAM, 256QAM	1 RB / 0 RB Offset
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	39675 to 41565	39675, 40620, 41565	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		39700 to 41540	39700, 40620, 41540	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		39725 to 41515	39725, 40620, 41515	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
		39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	39750 to 41490	39750, 40620, 41490	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	BAND EDGE	39675 to 41565	39675	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset 25 RB / 0 RB Offset
			41565	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset 25 RB / 0 RB Offset
		39700 to 41540	39700	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset 50 RB / 0 RB Offset
			41540	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset 50 RB / 0 RB Offset
		39725 to 41515	39725	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset 75 RB / 0 RB Offset
			41515	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset 75 RB / 0 RB Offset
		39750 to 41490	39750	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
			41490	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset 100 RB / 0 RB Offset



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A	CONDUCTED EMISSION	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 / 0 RB 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
A	RADIATED EMISSION	39675 to 41565	39675, 40620, 41565	5MHz	QPSK	1 RB / 0 RB Offset
		39700 to 41540	40620	10MHz	QPSK	1 RB / 0 RB Offset
		39725 to 41515	40620	15MHz	QPSK	1 RB / 0 RB Offset
		39750 to 41490	40620	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 42

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE
A	EIRP	42115 to 43065	42115 (3452.5MHz), 42590 (3500.0MHz), 43065 (3547.5MHz)	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		42140 to 43040	42140 (3455.0MHz), 42590 (3500.0MHz), 43040 (3545.0MHz)	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		42165 to 43015	42165 (3457.50MHz), 42590 (3500.0MHz), 43015 (3542.5MHz)	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		42190 to 42990	42190 (3460.0MHz), 42590 (3500.0MHz), 42990 (3540.0MHz)	20MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	42140 to 43040	42140 (3455.0MHz), 42590 (3500.0MHz), 43040 (3545.0MHz)	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	42115 to 43065	42115 (3452.5MHz), 42590 (3500.0MHz), 43065 (3547.5MHz)	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		42140 to 43040	42140 (3455.0MHz), 42590 (3500.0MHz), 43040 (3545.0MHz)	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		42165 to 43015	42165 (3457.50MHz), 42590 (3500.0MHz), 43015 (3542.5MHz)	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
		42190 to 42990	42190 (3460.0MHz), 42590 (3500.0MHz), 42990 (3540.0MHz)	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	42190 to 42990	42190 (3460.0MHz), 42590 (3500.0MHz), 42990 (3540.0MHz)	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	BAND EDGE	42115 to 43065	42115	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset 25 RB / 0 RB Offset
			43065	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset 25 RB / 0 RB Offset
			42140	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset 50 RB / 0 RB Offset
			43040	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset 50 RB / 0 RB Offset
		42165 to 43015	42165	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset 75 RB / 0 RB Offset
			43015	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset 75 RB / 0 RB Offset
		42190 to 42990	42190	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
			43040	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
			42165	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
			43015	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset

		42990			QPSK, 16QAM	100 RB / 0 RB Offset
			42990	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset
A	CONDUCTED EMISSION	42115 to 43065	42115 (3452.5MHz), 42590 (3500.0MHz), 43065 (3547.5MHz)	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		42140 to 43040	42140 (3455.0MHz), 42590 (3500.0MHz), 43040 (3545.0MHz)	10MHz	QPSK, 16QAM	1 RB / 0RB Offset
		42165 to 43015	42165 (3457.50MHz), 42590 (3500.0MHz), 43015 (3542.5MHz)	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset
		42190 to 42990	42190 (3460.0MHz), 42590 (3500.0MHz), 42990 (3540.0MHz)	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset
A	RADIATED EMISSION	42115 to 43065	42590 (3500.0MHz),	5MHz	QPSK	1 RB / 0 RB Offset
		42140 to 43040	42140 (3455.0MHz), 42590 (3500.0MHz), 43040 (3545.0MHz)	10MHz	QPSK	1 RB / 0RB Offset
		42165 to 43015	42590 (3500.0MHz),	15MHz	QPSK	1 RB / 0 RB Offset
		42190 to 42990	42590 (3500.0MHz),	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, 64QAM, 256QAM	1 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK, 16QAM, 64QAM, 256QAM	1 RB / 0 RB Offset
B	FREQUENCY STABILITY	132022 to 132622	132022,132322,132622	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
A	OCCUPIED BANDWIDTH	131979 to 132665	131979,132322,132665	1.4MHz	QPSK, 16QAM	6 RB / 0 RB Offset
		131987 to 132657	131987,132322,132657	3MHz	QPSK, 16QAM	15 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	5MHz	QPSK, 16QAM	25 RB / 0 RB Offset
		132022 to 132622	132022,132322,132622	10MHz	QPSK, 16QAM	50 RB / 0 RB Offset
		132047 to 132597	132047,132322,132597	15MHz	QPSK, 16QAM	75 RB / 0 RB Offset
		132072 to 132572	132072,132322,132572	20MHz	QPSK, 16QAM	100 RB / 0 RB Offset
A	PEAK TO AVERAGE RATIO	132072 to 132572	132072, 132572	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
A	BAND EDGE	131979 to 132322	131979	1.4MHz	QPSK, 16QAM	1 RB / 0 RB Offset 6 RB / 0 RB Offset
			132322	1.4MHz	QPSK, 16QAM	1 RB / 5 RB Offset 6 RB / 0 RB Offset
		131987 to 132657	131987	3MHz	QPSK, 16QAM	1 RB / 0 RB Offset 15 RB / 0 RB Offset
			132657	3MHz	QPSK, 16QAM	1 RB / 14 RB Offset 15 RB / 0 RB Offset
		131997 to 132647	131997	5MHz	QPSK, 16QAM	1 RB / 0 RB Offset 25 RB / 0 RB Offset
			132647	5MHz	QPSK, 16QAM	1 RB / 24 RB Offset 25 RB / 0 RB Offset
		132022 to 132622	132022	10MHz	QPSK, 16QAM	1 RB / 0 RB Offset 50 RB / 0 RB Offset
			132622	10MHz	QPSK, 16QAM	1 RB / 49 RB Offset 50 RB / 0 RB Offset
		132047 to 132597	132047	15MHz	QPSK, 16QAM	1 RB / 0 RB Offset 75 RB / 0 RB Offset
			132597	15MHz	QPSK, 16QAM	1 RB / 74 RB Offset 75 RB / 0 RB Offset
		132072 to 132572	132072	20MHz	QPSK, 16QAM	1 RB / 0 RB Offset 100 RB / 0 RB Offset
			132572	20MHz	QPSK, 16QAM	1 RB / 99 RB Offset



**BUREAU
VERITAS**

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						100 RB / 0 RB Offset
A	CONDUCTED EMISSION	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
A	RADIATED EMISSION	131979 to 132665	132322	1.4MHz	QPSK	1 RB / 0 RB Offset
		131987 to 132657	132322	3MHz	QPSK	1 RB / 0 RB Offset
		131997 to 132647	131997,132322,132647	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.



Test Report No.: PSZ-NQN2412090319RF07

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP&EIRP	23deg. C, 70%RH	DC 5V By Adapter	Jace Hu
FREQUENCY STABILITY	23deg. C, 70%RH	DC 3.6V/3.7V/4.2V By Battery	James Fu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	DC 5V By Adapter	James Fu
BAND EDGE	23deg. C, 70%RH	DC 5V By Adapter	James Fu
CONDUCTED EMISSION	23deg. C, 70%RH	DC 5V By Adapter	James Fu
RADIATED EMISSION	23deg. C, 70%RH	DC 5V By Adapter	Jace Hu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	DC 5V By Adapter	James Fu



Test Report No.: PSZ-NQN2412090319RF07

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

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.”

According to the specific rule Part 27.50(d)(4) 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

According to the specific rule Part 27.50 (k)(3) Mobile devices are limited to 1Watt (30 dBm) EIRP, Mobile devices operating inl these bands must employ a means for limiting power to the minimum necessary for successful communications

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:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_{\text{T}} - L_{\text{C}}$$

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

CONDUCTED OUTPUT POWER (dBm)

LTE Band 4 (Ant1)						
BW	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		20050	20175	20300
		Frequency (MHz)		1720	1732.5	1745
20M	QPSK	1	0	23.20	23.15	23.31
		1	50	23.10	23.01	23.06
		1	99	23.05	23.05	23.07
		50	0	22.14	22.16	22.26
		50	25	22.04	22.07	22.26
		50	50	22.15	22.19	22.28
		100	0	22.04	22.15	22.15
	16QAM	1	0	22.78	22.83	22.88
		1	50	22.51	22.44	22.54
		1	99	22.46	22.49	22.52
		50	0	21.12	21.13	21.25
		50	25	21.16	21.13	21.12
		50	50	21.12	21.09	21.18
		100	0	21.14	21.04	21.14
	64QAM	1	0	21.34	21.23	21.36
		1	50	21.27	21.32	21.34
		1	99	21.12	21.16	21.22
		50	0	20.15	20.11	20.24
		50	25	20.12	20.14	20.25
		50	50	20.10	20.14	20.18
		100	0	20.16	20.11	20.28
	256QAM	1	0	18.21	18.20	18.26
		1	50	18.25	18.29	18.33
		1	99	18.04	18.14	18.23
		50	0	18.05	18.17	18.15
		50	25	18.09	18.11	18.10
		50	50	18.06	18.04	18.07
		100	0	18.15	18.14	18.24

BW	Modulation	Channel		20025	20175	20325
		Frequency (MHz)		1717.5	1732.5	1747.5
15M	QPSK	1	0	23.09	23.05	23.16
		1	37	23.05	22.92	22.92
		1	74	22.91	22.94	23.02
		36	0	22.04	22.11	22.19
		36	19	21.94	21.94	22.11
		36	39	22.04	22.11	22.27
		75	0	21.92	22.02	22.08
	16QAM	1	0	22.72	22.70	22.82
		1	37	22.44	22.41	22.41
		1	74	22.43	22.42	22.44
		36	0	20.99	21.10	21.21
		36	19	21.01	21.12	21.05
		36	39	20.97	21.08	21.17
		75	0	21.02	20.98	21.12
	64QAM	1	0	21.31	21.14	21.30
		1	37	21.13	21.18	21.33
		1	74	21.01	21.10	21.21
		36	0	20.12	20.09	20.17
		36	19	19.97	20.13	20.22
		36	39	19.98	19.99	20.10
		75	0	20.10	20.06	20.16
	256QAM	1	0	18.06	18.16	18.15
		1	37	18.10	18.19	18.26
		1	74	18.02	18.08	18.17
		36	0	17.99	18.04	18.03
		36	19	18.06	18.01	18.04
		36	39	18.00	18.00	18.04
		75	0	18.01	18.05	18.20

BW	Modulation	Channel		20000	20175	20350
		Frequency (MHz)		1715	1732.5	1750
10M	QPSK	1	0	23.19	23.03	23.30
		1	24	22.95	22.95	22.94
		1	49	23.01	23.04	23.05
		25	0	22.03	22.12	22.14
		25	12	21.92	21.98	22.24
		25	25	22.06	22.09	22.19
		50	0	22.01	22.06	22.05
	16QAM	1	0	22.66	22.70	22.84
		1	24	22.40	22.37	22.42
		1	49	22.40	22.40	22.38
		25	0	21.09	21.01	21.16
		25	12	21.02	21.12	20.99
		25	25	20.98	21.02	21.15
		50	0	21.05	21.01	21.11
	64QAM	1	0	21.29	21.19	21.33
		1	24	21.26	21.18	21.29
		1	49	20.99	21.11	21.17
		25	0	20.13	19.97	20.17
		25	12	20.03	20.09	20.17
		25	25	20.00	20.01	20.07
		50	0	20.12	20.01	20.21
	256QAM	1	0	18.14	18.06	18.13
		1	24	18.13	18.15	18.25
		1	49	18.03	18.05	18.11
		25	0	17.95	18.15	18.03
		25	12	17.99	17.99	18.04
		25	25	18.04	18.03	17.97
		50	0	18.03	18.13	18.16

BW	Modulation	Channel		19975	20175	20375
		Frequency (MHz)		1712.5	1732.5	1752.5
5M	QPSK	1	0	23.13	23.07	23.19
		1	12	23.00	22.90	22.93
		1	24	22.96	23.03	23.02
		12	0	22.11	22.13	22.12
		12	6	21.92	22.03	22.13
		12	13	22.00	22.15	22.19
		25	0	21.94	22.01	22.02
	16QAM	1	0	22.64	22.74	22.79
		1	12	22.42	22.31	22.39
		1	24	22.44	22.35	22.39
		12	0	21.00	21.12	21.18
		12	6	21.04	21.00	20.97
		12	13	20.97	21.07	21.12
		25	0	21.02	20.96	21.13
	64QAM	1	0	21.25	21.08	21.22
		1	12	21.12	21.23	21.29
		1	24	21.07	21.07	21.09
		12	0	20.10	20.03	20.22
		12	6	20.03	20.04	20.19
		12	13	19.97	20.08	20.07
		25	0	20.02	19.99	20.19
	256QAM	1	0	18.09	18.16	18.15
		1	12	18.23	18.23	18.28
		1	24	17.98	18.13	18.10
		12	0	18.04	18.06	18.11
		12	6	18.00	18.10	18.04
		12	13	18.04	18.00	17.98
		25	0	18.09	17.99	18.23

BW	Modulation	Channel		19965	20175	20385
		Frequency (MHz)		1711.5	1732.5	1753.5
3M	QPSK	1	0	23.19	23.06	23.30
		1	7	22.98	23.00	22.96
		1	14	23.03	22.95	22.98
		8	0	22.03	22.14	22.15
		8	3	21.99	21.97	22.23
		8	7	22.10	22.12	22.22
		15	0	21.93	22.01	22.07
	16QAM	1	0	22.66	22.74	22.75
		1	7	22.41	22.30	22.49
		1	14	22.35	22.39	22.50
		8	0	21.05	21.07	21.11
		8	3	21.11	21.02	20.98
		8	7	21.07	20.99	21.13
		15	0	21.09	20.89	21.09
	64QAM	1	0	21.25	21.09	21.32
		1	7	21.12	21.18	21.33
		1	14	20.97	21.03	21.18
		8	0	20.13	20.08	20.11
		8	3	20.11	20.13	20.18
		8	7	20.08	20.05	20.15
		15	0	20.04	20.06	20.14
	256QAM	1	0	18.20	18.06	18.18
		1	7	18.16	18.25	18.30
		1	14	17.89	18.08	18.21
		8	0	18.02	18.04	18.09
		8	3	18.04	18.05	18.05
		8	7	17.95	18.03	18.02
		15	0	18.11	18.06	18.12

BW	Modulation	Channel		19957	20175	20393
		Frequency (MHz)		1710.7	1732.5	1754.3
1.4M	QPSK	1	0	23.13	23.05	23.25
		1	2	22.98	22.99	22.99
		1	5	22.94	22.98	23.05
		3	0	22.81	22.94	22.91
		3	1	22.75	22.78	23.04
		3	3	22.92	22.86	23.00
		6	0	21.98	22.11	22.10
	16QAM	1	0	22.77	22.73	22.79
		1	2	22.41	22.36	22.53
		1	5	22.40	22.46	22.48
		3	0	22.04	22.05	22.23
		3	1	22.10	22.04	22.10
		3	3	22.10	21.99	22.10
		6	0	21.09	20.98	21.01
	64QAM	1	0	21.32	21.19	21.22
		1	2	21.17	21.31	21.24
		1	5	21.05	21.06	21.20
		3	0	21.10	21.03	21.14
		3	1	21.02	21.12	21.12
		3	3	21.07	21.10	21.05
		6	0	20.10	20.03	20.21
	256QAM	1	0	18.19	18.13	18.12
		1	2	18.10	18.17	18.21
		1	5	17.99	18.04	18.14
		3	0	17.98	18.04	18.14
		3	1	18.05	18.07	17.96
		3	3	18.01	17.89	18.00
		6	0	18.13	18.01	18.18

LTE Band 38 (Ant1)						
BW	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		37850	38000	38150
		Frequency (MHz)		2580	2595	2610
20M	QPSK	1	0	23.37	23.44	23.37
		1	50	23.28	23.36	23.30
		1	99	23.37	23.45	23.47
		50	0	22.14	22.20	22.20
		50	25	22.30	22.28	22.25
		50	50	22.32	22.41	22.33
		100	0	22.26	22.28	22.21
	16QAM	1	0	22.16	22.32	22.25
		1	50	22.31	22.23	22.30
		1	99	22.23	22.24	22.25
		50	0	21.12	21.16	21.27
		50	25	21.13	21.24	21.22
		50	50	21.22	21.32	21.33
		100	0	21.31	21.35	21.39
	64QAM	1	0	21.06	20.98	21.12
		1	50	21.01	21.03	21.05
		1	99	21.14	21.12	21.08
		50	0	20.32	20.34	20.29
		50	25	20.35	20.35	20.28
		50	50	20.33	20.42	20.33
		100	0	20.16	20.30	20.24
	256QAM	1	0	18.11	18.21	18.16
		1	50	18.18	18.23	18.28
		1	99	18.21	18.22	18.18
		50	0	18.00	18.03	18.05
		50	25	17.89	17.96	17.95
		50	50	18.03	18.03	18.05
		100	0	18.21	18.10	18.16

BW	Modulation	Channel		37825	38000	38175
		Frequency (MHz)		2577.5	2595	2612.5
15M	QPSK	1	0	23.30	23.30	23.29
		1	37	23.19	23.30	23.27
		1	74	23.27	23.35	23.39
		36	0	22.13	22.11	22.06
		36	19	22.21	22.18	22.14
		36	39	22.26	22.27	22.25
		75	0	22.25	22.21	22.19
	16QAM	1	0	22.11	22.23	22.19
		1	37	22.29	22.13	22.20
		1	74	22.22	22.11	22.20
		36	0	21.01	21.15	21.22
		36	19	21.10	21.16	21.20
		36	39	21.18	21.20	21.30
		75	0	21.26	21.23	21.33
	64QAM	1	0	21.02	20.92	21.09
		1	37	20.92	20.97	21.02
		1	74	21.11	21.04	21.05
		36	0	20.20	20.29	20.25
		36	19	20.21	20.20	20.24
		36	39	20.26	20.33	20.23
		75	0	20.11	20.15	20.18
	256QAM	1	0	17.96	18.13	18.02
		1	37	18.04	18.22	18.21
		1	74	18.20	18.10	18.06
		36	0	17.91	17.94	17.95
		36	19	17.83	17.84	17.94
		36	39	17.93	18.01	17.96
		75	0	18.10	18.04	18.15

BW	Modulation	Channel		37800	38000	38200
		Frequency (MHz)		2575	2595	2615
10M	QPSK	1	0	23.22	23.41	23.25
		1	24	23.14	23.23	23.17
		1	49	23.32	23.41	23.36
		25	0	21.99	22.13	22.14
		25	12	22.17	22.13	22.16
		25	25	22.19	22.27	22.20
		50	0	22.12	22.23	22.09
	16QAM	1	0	22.06	22.19	22.23
		1	24	22.23	22.10	22.26
		1	49	22.19	22.14	22.12
		25	0	20.98	21.12	21.21
		25	12	21.10	21.17	21.21
		25	25	21.18	21.27	21.29
		50	0	21.21	21.29	21.25
	64QAM	1	0	20.93	20.90	21.04
		1	24	20.95	20.95	20.98
		1	49	21.12	21.06	21.05
		25	0	20.24	20.33	20.22
		25	12	20.24	20.23	20.14
		25	25	20.19	20.39	20.28
		50	0	20.03	20.28	20.11
	256QAM	1	0	17.99	18.06	18.15
		1	24	18.08	18.13	18.17
		1	49	18.12	18.15	18.12
		25	0	17.95	17.95	17.99
		25	12	17.83	17.89	17.93
		25	25	17.88	18.01	18.02
		50	0	18.17	18.06	18.07

BW	Modulation	Channel		37775	38000	38225
		Frequency (MHz)		2572.5	2595	2617.5
5M	QPSK	1	0	23.34	23.42	23.33
		1	12	23.17	23.27	23.22
		1	24	23.34	23.31	23.35
		12	0	22.06	22.05	22.12
		12	6	22.28	22.21	22.21
		12	13	22.19	22.36	22.27
		25	0	22.19	22.17	22.18
	16QAM	1	0	22.08	22.26	22.21
		1	12	22.20	22.14	22.29
		1	24	22.12	22.16	22.13
		12	0	21.01	21.04	21.14
		12	6	21.04	21.14	21.11
		12	13	21.16	21.19	21.24
		25	0	21.26	21.21	21.38
	64QAM	1	0	20.91	20.86	21.06
		1	12	20.88	21.02	21.04
		1	24	21.12	21.01	21.07
		12	0	20.19	20.30	20.16
		12	6	20.24	20.31	20.16
		12	13	20.19	20.28	20.31
		25	0	20.14	20.23	20.20
	256QAM	1	0	18.05	18.19	18.12
		1	12	18.13	18.18	18.23
		1	24	18.06	18.20	18.09
		12	0	17.89	17.91	18.01
		12	6	17.76	17.91	17.94
		12	13	17.95	17.93	18.01
		25	0	18.16	18.02	18.05

LTE Band 41 (Ant1)						
BW	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		39750	40620	41490
		Frequency (MHz)		2506	2593	2680
20M	QPSK	1	0	23.41	23.30	23.22
		1	50	23.17	23.29	23.10
		1	99	23.36	23.48	23.24
		50	0	22.23	22.27	22.06
		50	25	22.20	22.21	22.13
		50	50	22.23	22.24	22.15
		100	0	22.29	22.19	22.09
	16QAM	1	0	22.27	22.27	22.11
		1	50	22.03	22.07	21.91
		1	99	22.13	22.21	22.08
		50	0	21.22	21.15	20.98
		50	25	21.10	21.22	21.04
		50	50	21.21	21.31	21.10
		100	0	21.23	21.29	21.21
	64QAM	1	0	21.12	21.12	20.93
		1	50	20.93	20.96	20.81
		1	99	21.11	21.06	20.98
		50	0	20.24	20.33	20.18
		50	25	20.25	20.27	20.11
		50	50	20.35	20.33	20.19
		100	0	20.17	20.31	20.16
	256QAM	1	0	18.27	18.33	18.19
		1	50	18.24	18.18	18.07
		1	99	18.21	18.29	18.13
		50	0	18.01	18.05	17.89
		50	25	17.81	17.84	17.64
		50	50	17.89	17.98	17.83
		100	0	18.18	18.24	18.08

BW	Modulation	Channel		39725	40620	41515
		Frequency (MHz)		2503.5	2593	2682.5
15M	QPSK	1	0	23.40	23.24	23.13
		1	37	23.02	23.25	23.02
		1	74	23.32	23.34	23.20
		36	0	22.10	22.17	21.94
		36	19	22.15	22.06	21.98
		36	39	22.10	22.15	22.08
		75	0	22.17	22.04	22.08
	16QAM	1	0	22.14	22.17	21.97
		1	37	21.98	21.96	21.76
		1	74	22.05	22.08	21.95
		36	0	21.16	21.04	20.90
		36	19	20.97	21.12	20.90
		36	39	21.18	21.20	21.09
		75	0	21.09	21.25	21.18
	64QAM	1	0	21.10	21.03	20.86
		1	37	20.91	20.87	20.67
		1	74	20.98	21.03	20.95
		36	0	20.22	20.23	20.08
		36	19	20.10	20.20	20.06
		36	39	20.20	20.18	20.17
		75	0	20.16	20.29	20.03
	256QAM	1	0	18.23	18.24	18.17
		1	37	18.18	18.09	17.93
		1	74	18.19	18.15	18.03
		36	0	17.87	17.93	17.84
		36	19	17.66	17.81	17.53
		36	39	17.74	17.92	17.76
		75	0	18.10	18.21	17.97

BW	Modulation	Channel		39700	40620	41540
		Frequency (MHz)		2501	2593	2685
10M	QPSK	1	0	23.38	23.15	23.12
		1	24	23.03	23.26	22.95
		1	49	23.32	23.35	23.17
		25	0	22.22	22.24	21.94
		25	12	22.12	22.08	22.01
		25	25	22.12	22.11	22.02
		50	0	22.26	22.14	22.00
	16QAM	1	0	22.16	22.19	22.07
		1	24	21.93	22.02	21.83
		1	49	22.05	22.19	21.93
		25	0	21.07	21.01	20.94
		25	12	21.09	21.19	20.89
		25	25	21.16	21.30	21.09
		50	0	21.11	21.19	21.07
	64QAM	1	0	21.11	20.97	20.81
		1	24	20.90	20.87	20.72
		1	49	21.06	21.02	20.84
		25	0	20.10	20.29	20.15
		25	12	20.24	20.24	20.06
		25	25	20.20	20.21	20.06
		50	0	20.13	20.17	20.12
	256QAM	1	0	18.12	18.25	18.05
		1	24	18.09	18.15	18.03
		1	49	18.09	18.24	18.08
		25	0	17.87	18.00	17.80
		25	12	17.76	17.78	17.56
		25	25	17.78	17.94	17.78
		50	0	18.09	18.22	17.93

BW	Modulation	Channel		39675	40620	41565
		Frequency (MHz)		2498.5	2593	2687.5
5M	QPSK	1	0	23.29	23.26	23.16
		1	12	23.08	23.20	23.04
		1	24	23.22	23.44	23.13
		12	0	22.09	22.26	21.99
		12	6	22.11	22.18	22.02
		12	13	22.19	22.12	22.09
		25	0	22.27	22.08	22.01
	16QAM	1	0	22.25	22.18	22.04
		1	12	21.93	22.02	21.83
		1	24	22.03	22.09	22.01
		12	0	21.10	21.13	20.96
		12	6	21.08	21.15	21.00
		12	13	21.07	21.20	20.96
		25	0	21.10	21.26	21.09
	64QAM	1	0	21.09	21.05	20.82
		1	12	20.78	20.84	20.76
		1	24	21.06	20.98	20.94
		12	0	20.15	20.18	20.17
		12	6	20.20	20.24	20.02
		12	13	20.25	20.19	20.11
		25	0	20.02	20.19	20.02
	256QAM	1	0	18.13	18.20	18.15
		1	12	18.15	18.12	17.98
		1	24	18.11	18.19	18.04
		12	0	17.92	17.99	17.83
		12	6	17.80	17.79	17.54
		12	13	17.85	17.95	17.80
		25	0	18.15	18.22	17.98

LTE Band 42 FCC Part27Q (Ant7)						
BW	MCS Index	RB Size	RB Offset	Low	Mid	High
		Channel		42190	42590	42990
		Frequency (MHz)		3460	3500	3540
20M	QPSK	1	0	22.72	22.64	22.74
		1	50	22.90	22.82	22.91
		1	99	22.76	22.76	22.77
		50	0	21.68	21.74	21.75
		50	25	21.76	21.77	21.91
		50	50	21.99	21.96	22.04
		100	0	21.81	21.79	21.86
	16QAM	1	0	21.74	21.78	21.82
		1	50	21.64	21.61	21.73
		1	99	21.77	21.67	21.79
		50	0	20.72	20.74	20.82
		50	25	20.79	20.75	20.91
		50	50	20.86	20.88	20.85
		100	0	20.84	20.87	20.87
	64QAM	1	0	20.79	20.67	20.75
		1	50	20.67	20.61	20.63
		1	99	20.80	20.76	20.71
		50	0	19.82	19.74	19.81
		50	25	19.77	19.84	19.93
		50	50	19.83	19.81	19.98
		100	0	19.81	19.74	19.84
	256QAM	1	0	17.76	17.71	17.81
		1	50	17.69	17.64	17.72
		1	99	17.76	17.64	17.80
		50	0	17.75	17.77	17.84
		50	25	17.89	17.77	17.91
		50	50	17.87	17.79	17.92
		100	0	17.85	17.87	17.83

BW	MCS Index	Channel		42165	42590	43015
		Frequency (MHz)		3457.5	3500	3542.5
15M	QPSK	1	0	22.64	22.63	22.66
		1	37	22.89	22.72	22.77
		1	74	22.67	22.74	22.66
		36	0	21.57	21.62	21.67
		36	19	21.71	21.74	21.77
		36	39	21.87	21.82	22.02
		75	0	21.73	21.77	21.82
	16QAM	1	0	21.61	21.76	21.72
		1	37	21.62	21.51	21.68
		1	74	21.64	21.65	21.75
		36	0	20.64	20.62	20.80
		36	19	20.64	20.60	20.79
		36	39	20.80	20.78	20.76
		75	0	20.76	20.77	20.75
	64QAM	1	0	20.68	20.62	20.62
		1	37	20.55	20.59	20.53
		1	74	20.70	20.64	20.62
		36	0	19.81	19.63	19.69
		36	19	19.66	19.69	19.89
		36	39	19.72	19.72	19.88
		75	0	19.69	19.68	19.69
	256QAM	1	0	17.70	17.61	17.79
		1	37	17.66	17.50	17.60
		1	74	17.74	17.62	17.71
		36	0	17.62	17.65	17.73
		36	19	17.74	17.63	17.76
		36	39	17.73	17.71	17.86
		75	0	17.72	17.73	17.79

BW	MCS Index	Channel		42140	42590	43040
		Frequency (MHz)		3455	3500	3545
10M	QPSK	1	0	22.58	22.62	22.62
		1	24	22.84	22.73	22.82
		1	49	22.66	22.75	22.76
		25	0	21.63	21.70	21.68
		25	12	21.69	21.62	21.87
		25	25	21.91	21.82	22.00
		50	0	21.75	21.71	21.82
	16QAM	1	0	21.70	21.69	21.68
		1	24	21.51	21.60	21.65
		1	49	21.76	21.53	21.75
		25	0	20.71	20.71	20.78
		25	12	20.66	20.70	20.81
		25	25	20.84	20.78	20.75
		50	0	20.73	20.77	20.77
	64QAM	1	0	20.64	20.64	20.63
		1	24	20.58	20.60	20.60
		1	49	20.68	20.70	20.62
		25	0	19.68	19.73	19.77
		25	12	19.70	19.73	19.79
		25	25	19.81	19.74	19.92
		50	0	19.76	19.69	19.74
	256QAM	1	0	17.70	17.67	17.66
		1	24	17.61	17.50	17.71
		1	49	17.69	17.51	17.65
		25	0	17.64	17.62	17.77
		25	12	17.78	17.65	17.83
		25	25	17.83	17.69	17.81
		50	0	17.71	17.86	17.82

BW	MCS Index	Channel		42115	42590	43065
		Frequency (MHz)		3452.5	3500	3547.5
5M	QPSK	1	0	22.68	22.58	22.68
		1	12	22.84	22.67	22.81
		1	24	22.72	22.69	22.69
		12	0	21.63	21.61	21.71
		12	6	21.72	21.72	21.76
		12	13	21.90	21.84	21.95
		25	0	21.75	21.64	21.73
	16QAM	1	0	21.66	21.77	21.78
		1	12	21.55	21.50	21.68
		1	24	21.73	21.57	21.75
		12	0	20.64	20.73	20.81
		12	6	20.78	20.62	20.87
		12	13	20.72	20.79	20.76
		25	0	20.71	20.85	20.72
	64QAM	1	0	20.70	20.65	20.65
		1	12	20.55	20.51	20.52
		1	24	20.68	20.66	20.63
		12	0	19.79	19.66	19.66
		12	6	19.74	19.77	19.92
		12	13	19.82	19.70	19.83
		25	0	19.68	19.65	19.73
	256QAM	1	0	17.72	17.65	17.71
		1	12	17.59	17.52	17.70
		1	24	17.73	17.53	17.69
		12	0	17.65	17.70	17.73
		12	6	17.85	17.76	17.83
		12	13	17.81	17.77	17.87
		25	0	17.71	17.85	17.73

LTE Band 66 (Ant1)						
BW	Modulation	RB Size	RB Offset	Low	Mid	High
		Channel		132072	132322	132572
		Frequency (MHz)		1720	1745	1770
20M	QPSK	1	0	23.10	23.22	23.56
		1	50	23.14	23.23	23.55
		1	99	23.16	23.25	23.49
		50	0	22.20	22.42	22.66
		50	25	22.32	22.29	22.71
		50	50	22.33	22.33	22.78
		100	0	22.20	22.35	22.62
	16QAM	1	0	22.76	22.90	22.93
		1	50	22.72	22.80	22.89
		1	99	22.77	22.80	22.96
		50	0	21.30	21.48	21.74
		50	25	21.29	21.46	21.77
		50	50	21.36	21.46	21.85
		100	0	21.31	21.52	21.82
	64QAM	1	0	21.52	21.64	21.91
		1	50	21.47	21.56	21.87
		1	99	21.42	21.60	21.88
		50	0	20.43	20.46	20.87
		50	25	20.40	20.46	20.70
		50	50	20.41	20.46	20.73
		100	0	20.23	20.44	20.64
	256QAM	1	0	18.53	18.54	18.91
		1	50	18.36	18.52	18.86
		1	99	18.46	18.52	18.84
		50	0	18.36	18.53	18.78
		50	25	18.30	18.51	18.80
		50	50	18.28	18.38	18.81
		100	0	18.27	18.36	18.68

BW	Modulation	Channel		132047	132322	132597
		Frequency (MHz)		1717.5	1745	1772.5
15M	QPSK	1	0	22.97	23.21	23.47
		1	37	23.00	23.19	23.40
		1	74	23.08	23.19	23.47
		36	0	22.05	22.35	22.65
		36	19	22.20	22.21	22.58
		36	39	22.21	22.20	22.72
		75	0	22.08	22.30	22.48
	16QAM	1	0	22.65	22.75	22.91
		1	37	22.65	22.67	22.79
		1	74	22.67	22.69	22.90
		36	0	21.24	21.43	21.60
		36	19	21.23	21.45	21.74
		36	39	21.33	21.45	21.74
		75	0	21.21	21.37	21.69
	64QAM	1	0	21.50	21.54	21.90
		1	37	21.40	21.45	21.86
		1	74	21.30	21.45	21.79
		36	0	20.30	20.31	20.80
		36	19	20.26	20.35	20.57
		36	39	20.37	20.42	20.70
		75	0	20.15	20.39	20.61
	256QAM	1	0	18.46	18.50	18.89
		1	37	18.25	18.39	18.85
		1	74	18.38	18.46	18.75
		36	0	18.31	18.44	18.76
		36	19	18.20	18.50	18.79
		36	39	18.19	18.25	18.78
		75	0	18.21	18.22	18.60

BW	Modulation	Channel		132022	132322	132622
		Frequency (MHz)		1715	1745	1775
10M	QPSK	1	0	23.09	23.15	23.50
		1	24	23.01	23.16	23.50
		1	49	23.08	23.23	23.46
		25	0	22.17	22.36	22.65
		25	12	22.24	22.17	22.68
		25	25	22.19	22.29	22.65
		50	0	22.12	22.30	22.51
	16QAM	1	0	22.66	22.86	22.83
		1	24	22.69	22.65	22.76
		1	49	22.72	22.65	22.84
		25	0	21.20	21.46	21.60
		25	12	21.16	21.31	21.74
		25	25	21.34	21.40	21.78
		50	0	21.20	21.42	21.68
	64QAM	1	0	21.39	21.51	21.77
		1	24	21.43	21.52	21.76
		1	49	21.27	21.48	21.86
		25	0	20.39	20.45	20.86
		25	12	20.39	20.33	20.66
		25	25	20.34	20.35	20.67
		50	0	20.10	20.36	20.52
	256QAM	1	0	18.47	18.50	18.84
		1	24	18.35	18.42	18.80
		1	49	18.33	18.51	18.83
		25	0	18.26	18.41	18.71
		25	12	18.26	18.45	18.68
		25	25	18.22	18.27	18.79
		50	0	18.24	18.31	18.56

BW	Modulation	Channel		131997	132322	132647
		Frequency (MHz)		1712.5	1745	1777.5
5M	QPSK	1	0	23.04	23.15	23.44
		1	12	23.06	23.20	23.52
		1	24	23.04	23.13	23.37
		12	0	22.19	22.41	22.52
		12	6	22.21	22.22	22.68
		12	13	22.21	22.26	22.71
		25	0	22.05	22.21	22.48
	16QAM	1	0	22.72	22.88	22.82
		1	12	22.64	22.70	22.79
		1	24	22.75	22.76	22.92
		12	0	21.23	21.46	21.62
		12	6	21.28	21.34	21.68
		12	13	21.26	21.41	21.74
		25	0	21.27	21.46	21.80
	64QAM	1	0	21.44	21.52	21.80
		1	12	21.39	21.45	21.86
		1	24	21.41	21.53	21.76
		12	0	20.37	20.37	20.73
		12	6	20.27	20.36	20.69
		12	13	20.34	20.37	20.61
		25	0	20.21	20.41	20.53
	256QAM	1	0	18.42	18.50	18.86
		1	12	18.33	18.41	18.78
		1	24	18.35	18.45	18.73
		12	0	18.23	18.51	18.77
		12	6	18.25	18.49	18.74
		12	13	18.22	18.34	18.72
		25	0	18.24	18.31	18.61

BW	Modulation	Channel		131987	132322	132657
		Frequency (MHz)		1711.5	1745	1778.5
3M	QPSK	1	0	23.04	23.14	23.48
		1	7	23.04	23.20	23.45
		1	14	23.08	23.11	23.37
		8	0	22.12	22.38	22.54
		8	3	22.24	22.23	22.59
		8	7	22.24	22.25	22.63
		15	0	22.08	22.29	22.60
	16QAM	1	0	22.62	22.84	22.91
		1	7	22.57	22.75	22.75
		1	14	22.64	22.76	22.83
		8	0	21.28	21.40	21.60
		8	3	21.17	21.37	21.65
		8	7	21.35	21.44	21.80
		15	0	21.30	21.51	21.68
	64QAM	1	0	21.49	21.55	21.79
		1	7	21.33	21.46	21.77
		1	14	21.27	21.46	21.76
		8	0	20.31	20.32	20.83
		8	3	20.33	20.43	20.63
		8	7	20.37	20.45	20.66
		15	0	20.18	20.34	20.49
	256QAM	1	0	18.40	18.46	18.77
		1	7	18.31	18.50	18.85
		1	14	18.45	18.38	18.80
		8	0	18.27	18.45	18.72
		8	3	18.26	18.46	18.76
		8	7	18.24	18.24	18.73
		15	0	18.26	18.28	18.65

BW	Modulation	Channel		131979	132322	132665
		Frequency (MHz)		1710.7	1745	1779.3
1.4M	QPSK	1	0	23.01	23.18	23.47
		1	2	23.09	23.15	23.54
		1	5	23.15	23.17	23.47
		3	0	22.88	23.11	23.30
		3	1	22.91	22.86	23.28
		3	3	22.90	22.90	23.47
		6	0	22.17	22.29	22.51
	16QAM	1	0	22.68	22.84	22.81
		1	2	22.57	22.68	22.81
		1	5	22.66	22.73	22.86
		3	0	22.18	22.36	22.71
		3	1	22.22	22.41	22.67
		3	3	22.30	22.35	22.73
		6	0	21.23	21.46	21.79
	64QAM	1	0	21.50	21.61	21.87
		1	2	21.32	21.50	21.75
		1	5	21.39	21.55	21.80
		3	0	21.28	21.38	21.86
		3	1	21.25	21.42	21.56
		3	3	21.27	21.43	21.59
		6	0	20.20	20.36	20.61
	256QAM	1	0	18.40	18.42	18.87
		1	2	18.23	18.45	18.75
		1	5	18.34	18.51	18.71
		3	0	18.34	18.50	18.63
		3	1	18.25	18.41	18.70
		3	3	18.18	18.27	18.71
		6	0	18.25	18.33	18.64

EIRP

LTE B4 1.4M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19957	1710.7	23.13	-1.3	21.83	152.41	1
20175	1732.5	23.05	-1.3	21.75	149.62	1
20393	1754.3	23.25	-1.3	21.95	156.68	1

LTE B4 1.4M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19957	1710.7	22.77	-1.3	21.47	140.28	1
20175	1732.5	22.73	-1.3	21.43	139	1
20393	1754.3	22.79	-1.3	21.49	140.93	1

LTE B4 1.4M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19957	1710.7	21.32	-1.3	20.02	100.46	1
20175	1732.5	21.31	-1.3	20.01	100.23	1
20393	1754.3	21.24	-1.3	19.94	98.63	1

LTE B4 1.4M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19957	1710.7	18.19	-1.3	16.89	48.87	1
20175	1732.5	18.17	-1.3	16.87	48.64	1
20393	1754.3	18.21	-1.3	16.91	49.09	1

LTE B4 3M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19965	1711.5	23.19	-1.3	21.89	154.53	1
20175	1732.5	23.06	-1.3	21.76	149.97	1
20385	1753.5	23.3	-1.3	22	158.49	1

LTE B4 3M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19965	1711.5	22.66	-1.3	21.36	136.77	1
20175	1732.5	22.41	-1.3	21.11	129.12	1
20385	1753.5	22.35	-1.3	21.05	127.35	1

LTE B4 3M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19965	1711.5	21.25	-1.3	19.95	98.86	1
20175	1732.5	21.18	-1.3	19.88	97.27	1
20385	1753.5	21.33	-1.3	20.03	100.69	1

LTE B4 3M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19965	1711.5	18.2	-1.3	16.9	48.98	1
20175	1732.5	18.25	-1.3	16.95	49.55	1
20385	1753.5	18.3	-1.3	17	50.12	1

LTE B4 5M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19975	1712.5	23.13	-1.3	21.83	152.41	1
20175	1732.5	23.07	-1.3	21.77	150.31	1
20375	1752.5	23.19	-1.3	21.89	154.53	1

LTE B4 5M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19975	1712.5	22.64	-1.3	21.34	136.14	1
20175	1732.5	22.74	-1.3	21.44	139.32	1
20375	1752.5	22.79	-1.3	21.49	140.93	1

LTE B4 5M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19975	1712.5	21.25	-1.3	19.95	98.86	1
20175	1732.5	21.23	-1.3	19.93	98.4	1
20375	1752.5	21.29	-1.3	19.99	99.77	1

LTE B4 5M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
19975	1712.5	18.23	-1.3	16.93	49.32	1
20175	1732.5	18.23	-1.3	16.93	49.32	1
20375	1752.5	18.28	-1.3	16.98	49.89	1

LTE B4 10M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20000	1715	23.19	-1.3	21.89	154.53	1
20175	1732.5	23.04	-1.3	21.74	149.28	1
20350	1750	23.3	-1.3	22	158.49	1

LTE B4 10M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20000	1715	22.66	-1.3	21.36	136.77	1
20175	1732.5	22.7	-1.3	21.4	138.04	1
20350	1750	22.84	-1.3	21.54	142.56	1

LTE B4 10M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20000	1715	21.29	-1.3	19.99	99.77	1
20175	1732.5	21.19	-1.3	19.89	97.5	1
20350	1750	21.33	-1.3	20.03	100.69	1

LTE B4 10M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20000	1715	18.14	-1.3	16.84	48.31	1
20175	1732.5	18.15	-1.3	16.85	48.42	1
20350	1750	18.25	-1.3	16.95	49.55	1

LTE B4 15M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20025	1717.5	23.09	-1.3	21.79	151.01	1
20175	1732.5	23.05	-1.3	21.75	149.62	1
20325	1747.5	23.16	-1.3	21.86	153.46	1

LTE B4 15M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20025	1717.5	22.72	-1.3	21.42	138.68	1
20175	1732.5	22.7	-1.3	21.4	138.04	1
20325	1747.5	22.82	-1.3	21.52	141.91	1

LTE B4 15M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20025	1717.5	21.31	-1.3	20.01	100.23	1
20175	1732.5	21.18	-1.3	19.88	97.27	1
20325	1747.5	21.33	-1.3	20.03	100.69	1

LTE B4 15M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20025	1717.5	18.1	-1.3	16.8	47.86	1
20175	1732.5	18.19	-1.3	16.89	48.87	1
20325	1747.5	18.26	-1.3	16.96	49.66	1

LTE B4 20M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20050	1720	23.2	-1.3	21.9	154.88	1
20175	1732.5	23.15	-1.3	21.85	153.11	1
20300	1745	23.31	-1.3	22.01	158.85	1

LTE B4 20M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20050	1720	22.78	-1.3	21.48	140.6	1
20175	1732.5	22.83	-1.3	21.53	142.23	1
20300	1745	22.88	-1.3	21.58	143.88	1

LTE B4 20M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20050	1720	21.34	-1.3	20.04	100.93	1
20175	1732.5	21.32	-1.3	20.02	100.46	1
20300	1745	21.36	-1.3	20.06	101.39	1

LTE B4 20M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
20050	1720	18.25	-1.3	16.95	49.55	1
20175	1732.5	18.29	-1.3	16.99	50	1
20300	1745	18.33	-1.3	17.03	50.47	1

LTE B38 5M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37775	2572.5	23.34	-1.2	22.14	163.68	2
38000	2595	23.42	-1.2	22.22	166.72	2
38225	2617.5	23.35	-1.2	22.15	164.06	2

LTE B38 5M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37775	2572.5	22.2	-1.2	21	125.89	2
38000	2595	22.26	-1.2	21.06	127.64	2
38225	2617.5	22.29	-1.2	21.09	128.53	2

LTE B38 5M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37775	2572.5	21.12	-1.2	19.92	98.17	2
38000	2595	21.02	-1.2	19.82	95.94	2
38225	2617.5	21.07	-1.2	19.87	97.05	2

LTE B38 5M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37775	2572.5	21.12	-1.2	19.92	98.17	2
38000	2595	21.02	-1.2	19.82	95.94	2
38225	2617.5	21.07	-1.2	19.87	97.05	2

LTE B38 10M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37800	2575	23.32	-1.2	22.12	162.93	2
38000	2595	23.41	-1.2	22.21	166.34	2
38200	2615	23.36	-1.2	22.16	164.44	2

LTE B38 10M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37800	2575	22.23	-1.2	21.03	126.77	2
38000	2595	22.19	-1.2	20.99	125.6	2
38200	2615	22.26	-1.2	21.06	127.64	2

LTE B38 10M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37800	2575	21.12	-1.2	19.92	98.17	2
38000	2595	21.06	-1.2	19.86	96.83	2
38200	2615	21.05	-1.2	19.85	96.61	2

LTE B38 10M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37800	2575	18.17	-1.2	16.97	49.77	2
38000	2595	18.15	-1.2	16.95	49.55	2
38200	2615	18.17	-1.2	16.97	49.77	2

LTE B38 15M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37825	2577.5	23.3	-1.2	22.1	162.18	2
38000	2595	23.35	-1.2	22.15	164.06	2
38175	2612.5	23.39	-1.2	22.19	165.58	2

LTE B38 15M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37825	2577.5	22.29	-1.2	21.09	128.53	2
38000	2595	22.23	-1.2	21.03	126.77	2
38175	2612.5	22.2	-1.2	21	125.89	2

LTE B38 15M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37825	2577.5	21.11	-1.2	19.91	97.95	2
38000	2595	21.04	-1.2	19.84	96.38	2
38175	2612.5	21.09	-1.2	19.89	97.5	2

LTE B38 15M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37825	2577.5	18.2	-1.2	17	50.12	2
38000	2595	18.22	-1.2	17.02	50.35	2
38175	2612.5	18.21	-1.2	17.01	50.23	2

LTE B38 20M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37850	2580	23.37	-1.2	22.17	164.82	2
38000	2595	23.45	-1.2	22.25	167.88	2
38150	2610	23.47	-1.2	22.27	168.66	2

LTE B38 20M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37850	2580	22.31	-1.2	21.11	129.12	2
38000	2595	22.32	-1.2	21.12	129.42	2
38150	2610	22.3	-1.2	21.1	128.82	2

LTE B38 20M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37850	2580	21.14	-1.2	19.94	98.63	2
38000	2595	21.12	-1.2	19.92	98.17	2
38150	2610	21.12	-1.2	19.92	98.17	2

LTE B38 20M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
37850	2580	18.21	-1.2	17.01	50.23	2
38000	2595	18.23	-1.2	17.03	50.47	2
38150	2610	18.28	-1.2	17.08	51.05	2

LTE B41 5M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39675	2498.5	23.29	-1.2	22.09	161.81	2
40620	2593	23.44	-1.2	22.24	167.49	2
41565	2687.5	23.16	-1.2	21.96	157.04	2

LTE B41 5M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39675	2498.5	22.25	-1.2	21.05	127.35	2
40620	2593	22.18	-1.2	20.98	125.31	2
41565	2687.5	22.04	-1.2	20.84	121.34	2

LTE B41 5M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39675	2498.5	21.09	-1.2	19.89	97.5	2
40620	2593	21.05	-1.2	19.85	96.61	2
41565	2687.5	20.94	-1.2	19.74	94.19	2

LTE B41 5M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39675	2498.5	18.15	-1.2	16.95	49.55	2
40620	2593	18.22	-1.2	17.02	50.35	2
41565	2687.5	18.15	-1.2	16.95	49.55	2

LTE B41 10M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39700	2501	23.38	-1.2	22.18	165.2	2
40620	2593	23.35	-1.2	22.15	164.06	2
41540	2685	23.17	-1.2	21.97	157.4	2

LTE B41 10M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39700	2501	22.16	-1.2	20.96	124.74	2
40620	2593	22.19	-1.2	20.99	125.6	2
41540	2685	22.07	-1.2	20.87	122.18	2

LTE B41 10M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39700	2501	21.11	-1.2	19.91	97.95	2
40620	2593	21.02	-1.2	19.82	95.94	2
41540	2685	20.84	-1.2	19.64	92.04	2

LTE B41 10M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39700	2501	18.12	-1.2	16.92	49.2	2
40620	2593	18.25	-1.2	17.05	50.7	2
41540	2685	18.08	-1.2	16.88	48.75	2

LTE B41 15M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39725	2503.5	23.4	-1.2	22.2	165.96	2
40620	2593	23.34	-1.2	22.14	163.68	2
41515	2682.5	23.2	-1.2	22	158.49	2

LTE B41 15M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39725	2503.5	22.14	-1.2	20.94	124.17	2
40620	2593	22.17	-1.2	20.97	125.03	2
41515	2682.5	21.97	-1.2	20.77	119.4	2

LTE B41 15M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39725	2503.5	21.1	-1.2	19.9	97.72	2
40620	2593	21.03	-1.2	19.83	96.16	2
41515	2682.5	20.95	-1.2	19.75	94.41	2

LTE B41 15M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39725	2503.5	18.23	-1.2	17.03	50.47	2
40620	2593	18.24	-1.2	17.04	50.58	2
41515	2682.5	18.17	-1.2	16.97	49.77	2

LTE B41 20M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39750	2506	23.41	-1.2	22.21	166.34	2
40620	2593	23.48	-1.2	22.28	169.04	2
41490	2680	23.24	-1.2	22.04	159.96	2

LTE B41 20M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39750	2506	22.27	-1.2	21.07	127.94	2
40620	2593	22.27	-1.2	21.07	127.94	2
41490	2680	22.11	-1.2	20.91	123.31	2

LTE B41 20M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39750	2506	21.12	-1.2	19.92	98.17	2
40620	2593	21.12	-1.2	19.92	98.17	2
41490	2680	20.98	-1.2	19.78	95.06	2

LTE B41 20M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
39750	2506	18.27	-1.2	17.07	50.93	2
40620	2593	18.33	-1.2	17.13	51.64	2
41490	2680	18.19	-1.2	16.99	50	2

LTE B42 5M QPSK Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42115	3452.5	22.84	-0.75	22.09	161.81	1
42590	3500	22.69	-0.75	21.94	156.31	1
43065	3547.5	22.81	-0.75	22.06	160.69	1

LTE B42 5M 16QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42115	3452.5	21.73	-0.75	20.98	125.31	1
42590	3500	21.77	-0.75	21.02	126.47	1
43065	3547.5	21.78	-0.75	21.03	126.77	1

LTE B42 5M 64QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42115	3452.5	20.7	-0.75	19.95	98.86	1
42590	3500	20.66	-0.75	19.91	97.95	1
43065	3547.5	20.65	-0.75	19.9	97.72	1

LTE B42 5M 256QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42115	3452.5	17.85	-0.75	17.1	51.29	1
42590	3500	17.85	-0.75	17.1	51.29	1
43065	3547.5	17.87	-0.75	17.12	51.52	1

LTE B42 10M QPSK Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42140	3455	22.84	-0.75	22.09	161.81	1
42590	3500	22.75	-0.75	22	158.49	1
43040	3545	22.82	-0.75	22.07	161.06	1

LTE B42 10M 16QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42140	3455	21.76	-0.75	21.01	126.18	1
42590	3500	21.69	-0.75	20.94	124.17	1
43040	3545	21.75	-0.75	21	125.89	1

LTE B42 10M 64QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42140	3455	20.68	-0.75	19.93	98.4	1
42590	3500	20.7	-0.75	19.95	98.86	1
43040	3545	20.63	-0.75	19.88	97.27	1

LTE B42 10M 256QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42140	3455	17.83	-0.75	17.08	51.05	1
42590	3500	17.86	-0.75	17.11	51.4	1
43040	3545	17.83	-0.75	17.08	51.05	1

LTE B42 15M QPSK Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42165	3457.5	22.89	-0.75	22.14	163.68	1
42590	3500	22.74	-0.75	21.99	158.12	1
43015	3542.5	22.77	-0.75	22.02	159.22	1

LTE B42 15M 16QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42165	3457.5	21.64	-0.75	20.89	122.74	1
42590	3500	21.76	-0.75	21.01	126.18	1
43015	3542.5	21.75	-0.75	21	125.89	1

LTE B42 15M 64QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42165	3457.5	20.7	-0.75	19.95	98.86	1
42590	3500	20.64	-0.75	19.89	97.5	1
43015	3542.5	20.62	-0.75	19.87	97.05	1

LTE B42 15M 256QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42165	3457.5	17.74	-0.75	16.99	50	1
42590	3500	17.73	-0.75	16.98	49.89	1
43015	3542.5	17.86	-0.75	17.11	51.4	1

LTE B42 20M QPSK Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42190	3460	22.9	-0.75	22.15	164.06	1
42590	3500	22.82	-0.75	22.07	161.06	1
42990	3540	22.91	-0.75	22.16	164.44	1

LTE B42 20M 16QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42190	3460	21.77	-0.75	21.02	126.47	1
42590	3500	21.78	-0.75	21.03	126.77	1
42990	3540	21.82	-0.75	21.07	127.94	1

LTE B42 20M 64QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42190	3460	20.8	-0.75	20.05	101.16	1
42590	3500	20.76	-0.75	20.01	100.23	1
42990	3540	20.75	-0.75	20	100	1

LTE B42 20M 256QAM Part27Q						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
42190	3460	17.89	-0.75	17.14	51.76	1
42590	3500	17.87	-0.75	17.12	51.52	1
42990	3540	17.92	-0.75	17.17	52.12	1

LTE B66 1.4M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	23.15	-1.3	21.85	153.11	1
132322	1745	23.18	-1.3	21.88	154.17	1
132665	1779.3	23.54	-1.3	22.24	167.49	1

LTE B66 1.4M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	22.68	-1.3	21.38	137.4	1
132322	1745	22.84	-1.3	21.54	142.56	1
132665	1779.3	22.86	-1.3	21.56	143.22	1

LTE B66 1.4M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	21.5	-1.3	20.2	104.71	1
132322	1745	21.61	-1.3	20.31	107.4	1
132665	1779.3	21.87	-1.3	20.57	114.02	1

LTE B66 1.4M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131979	1710.7	18.4	-1.3	17.1	51.29	1
132322	1745	18.51	-1.3	17.21	52.6	1
132665	1779.3	18.87	-1.3	17.57	57.15	1

LTE B66 3M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	23.08	-1.3	21.78	150.66	1
132322	1745	23.2	-1.3	21.9	154.88	1
132657	1778.5	23.48	-1.3	22.18	165.2	1

LTE B66 3M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	22.64	-1.3	21.34	136.14	1
132322	1745	22.84	-1.3	21.54	142.56	1
132657	1778.5	22.91	-1.3	21.61	144.88	1

LTE B66 3M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	21.49	-1.3	20.19	104.47	1
132322	1745	21.55	-1.3	20.25	105.93	1
132657	1778.5	21.79	-1.3	20.49	111.94	1

LTE B66 3M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131987	1711.5	18.45	-1.3	17.15	51.88	1
132322	1745	18.5	-1.3	17.2	52.48	1
132657	1778.5	18.85	-1.3	17.55	56.89	1

LTE B66 5M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	23.06	-1.3	21.76	149.97	1
132322	1745	23.2	-1.3	21.9	154.88	1
132647	1777.5	23.52	-1.3	22.22	166.72	1

LTE B66 5M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	22.75	-1.3	21.45	139.64	1
132322	1745	22.88	-1.3	21.58	143.88	1
132647	1777.5	22.92	-1.3	21.62	145.21	1

LTE B66 5M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	21.44	-1.3	20.14	103.28	1
132322	1745	21.53	-1.3	20.23	105.44	1
132647	1777.5	21.86	-1.3	20.56	113.76	1

LTE B66 5M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
131997	1712.5	18.42	-1.3	17.12	51.52	1
132322	1745	18.51	-1.3	17.21	52.6	1
132647	1777.5	18.86	-1.3	17.56	57.02	1

LTE B66 10M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	23.09	-1.3	21.79	151.01	1
132322	1745	23.23	-1.3	21.93	155.96	1
132622	1775	23.5	-1.3	22.2	165.96	1

LTE B66 10M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	22.72	-1.3	21.42	138.68	1
132322	1745	22.86	-1.3	21.56	143.22	1
132622	1775	22.84	-1.3	21.54	142.56	1

LTE B66 10M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	21.43	-1.3	20.13	103.04	1
132322	1745	21.52	-1.3	20.22	105.2	1
132622	1775	21.86	-1.3	20.56	113.76	1

LTE B66 10M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132022	1715	18.47	-1.3	17.17	52.12	1
132322	1745	18.51	-1.3	17.21	52.6	1
132622	1775	18.84	-1.3	17.54	56.75	1

LTE B66 15M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	23.08	-1.3	21.78	150.66	1
132322	1745	23.21	-1.3	21.91	155.24	1
132597	1772.5	23.47	-1.3	22.17	164.82	1

LTE B66 15M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	22.67	-1.3	21.37	137.09	1
132322	1745	22.75	-1.3	21.45	139.64	1
132597	1772.5	22.91	-1.3	21.61	144.88	1

LTE B66 15M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	21.5	-1.3	20.2	104.71	1
132322	1745	21.54	-1.3	20.24	105.68	1
132597	1772.5	21.9	-1.3	20.6	114.82	1

LTE B66 15M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132047	1717.5	18.46	-1.3	17.16	52	1
132322	1745	18.5	-1.3	17.2	52.48	1
132597	1772.5	18.89	-1.3	17.59	57.41	1

LTE B66 20M QPSK						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	23.16	-1.3	21.86	153.46	1
132322	1745	23.25	-1.3	21.95	156.68	1
132572	1770	23.56	-1.3	22.26	168.27	1

LTE B66 20M 16QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	22.77	-1.3	21.47	140.28	1
132322	1745	22.9	-1.3	21.6	144.54	1
132572	1770	22.96	-1.3	21.66	146.55	1

LTE B66 20M 64QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	21.52	-1.3	20.22	105.2	1
132322	1745	21.64	-1.3	20.34	108.14	1
132572	1770	21.91	-1.3	20.61	115.08	1

LTE B66 20M 256QAM						
Channel	Frequency (MHz)	Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP (mW)	Limit (W)
132072	1720	18.53	-1.3	17.23	52.84	1
132322	1745	18.54	-1.3	17.24	52.97	1
132572	1770	18.91	-1.3	17.61	57.68	1

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

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

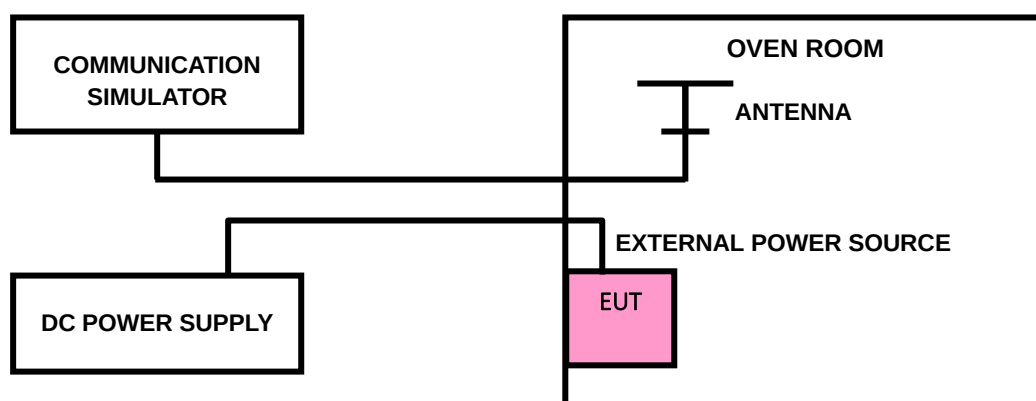
The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

3.2.2 TEST PROCEDURE

- 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.
- 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.
- The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the $\pm 0.5^{\circ}\text{C}$ 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





Test Report No.: PSZ-NQN2412090319RF07

3.2.4 TEST RESULTS

Please Refer to Appendix J.

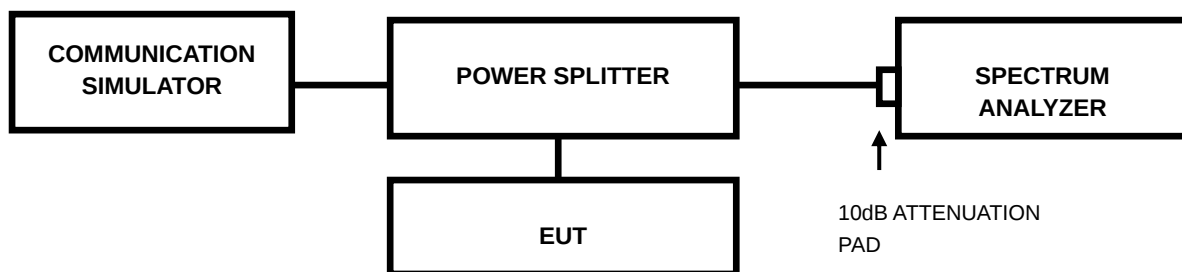
Note: VL = Low voltage(3.6V); VN/NV = Normal voltage(3.7V); VH = High voltage(4.2V);
NT = Normal temperature (25°C)

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

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



Test Report No.: PSZ-NQN2412090319RF07

3.3.4 TEST RESULTS

Please Refer to Appendix J.

3.4 BAND EDGE MEASUREMENT

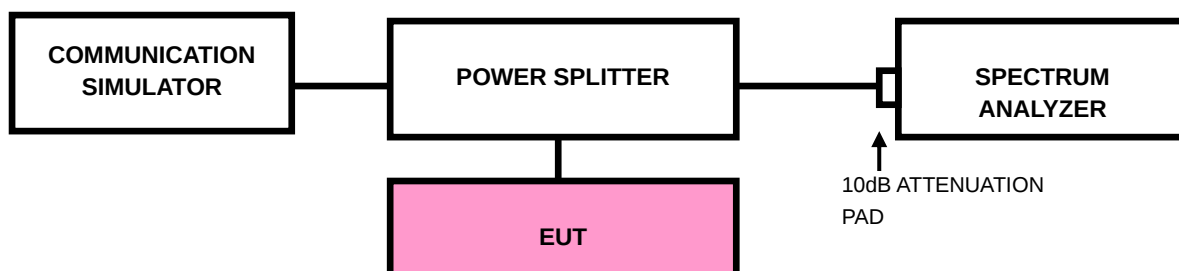
3.4.1 LIMITS OF BAND EDGE MEASUREMENT

According to FCC Part 27.53(h) specified that For operations in the 1710-1755 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 Part 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 than $43 + 10 \log (P)$ 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 Part 27.53 (n)(2) For mobile operations in the 3450-3550 MHz band, the conducted power of any emission outside the licensee's authorized bandwidth shall not exceed -13 dBm/MHz. Compliance with this paragraph is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. 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, but limited to a maximum of 200 kHz. In the bands between 1 and 5 MHz removed from the licensee's frequency block, the minimum resolution bandwidth for the measurement shall be 500 kHz.

3.4.2 TEST SETUP



3.4.3 TEST PROCEDURES

- a) Connect the transmitter to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
- b) Tune the analyzer to the nominal center frequency of the emission bandwidth (EBW).
- c) Set the resolution bandwidth (RBW) $\geq 1\%$ EBW in the 1MHz band immediately outside and adjacent to the band edge.
- d) Beyond the 1MHz band from the band edge, RBW=1MHz was used.
- e) Set the video bandwidth (VBW) to $\geq 3 \times$ RBW.
- f) Select the average power (RMS) display detector.
- g) Set the number of measurement points to ≥ 1001 .
- h) Use auto-coupled sweep time.
- i) Perform the measurement over an interval of time when the transmission is continuous and at its maximum power level.
- j) The RF fundamental frequency should be excluded against the limit line in the operating frequency band and use RBW is 10KHz or 100KHz.
- k) Record the max trace plot into the test report.



Test Report No.: PSZ-NQN2412090319RF07

3.4.4 TEST RESULTS

Please Refer to Appendix J.

3.5 CONDUCTED SPURIOUS EMISSIONS

3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

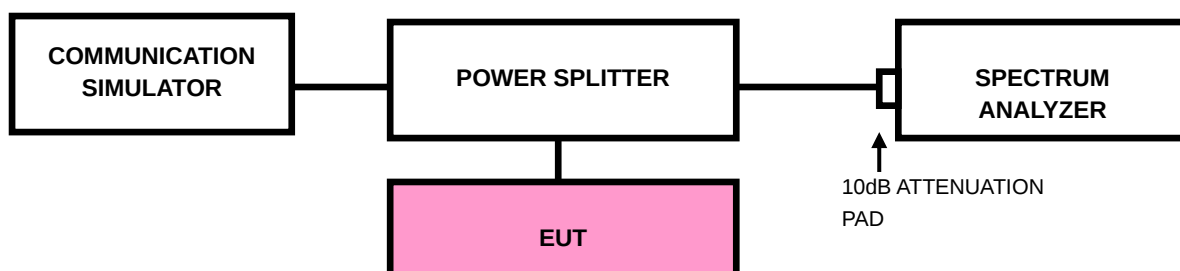
For: Band41

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm .

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 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP





Test Report No.: PSZ-NQN2412090319RF07

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 J.

3.6 RADIATED EMISSION MEASUREMENT

3.6.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

For: Band41

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $55 + 10 \log_{10}(P)$ dB. The limit of emission is equal to -25dBm .

3.6.2 TEST PROCEDURES

- 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.
- 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.
- $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
- E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole,
 $\text{E.R.P power} = \text{E.I.P.R power} - 2.15\text{dBi}$.

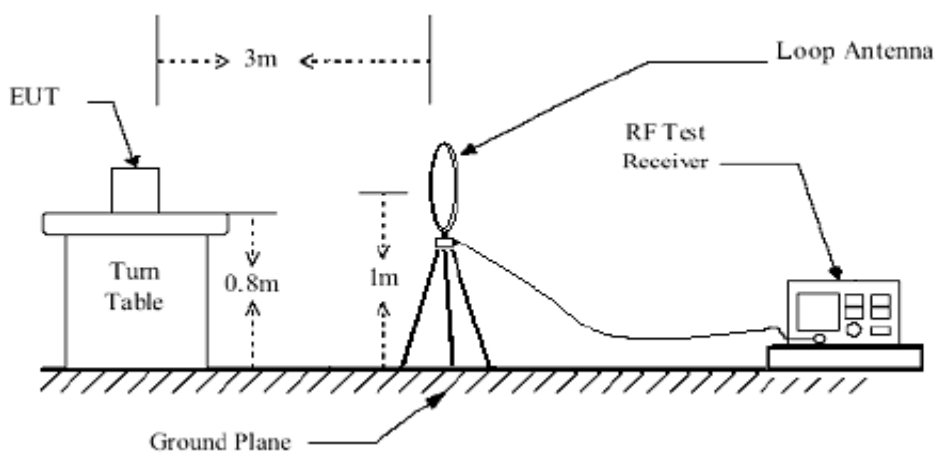
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.6.3 DEVIATION FROM TEST STANDARD

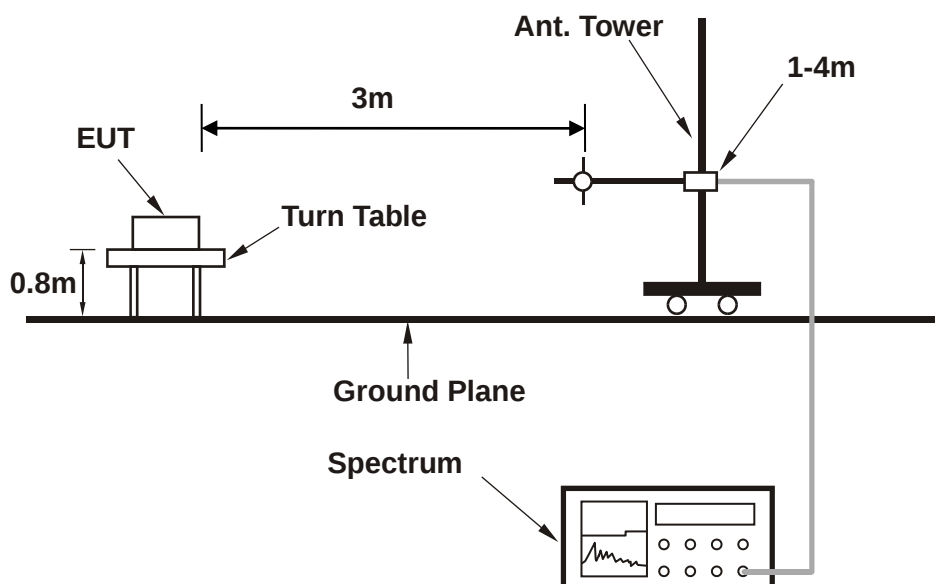
No deviation

3.6.4 TEST SETUP

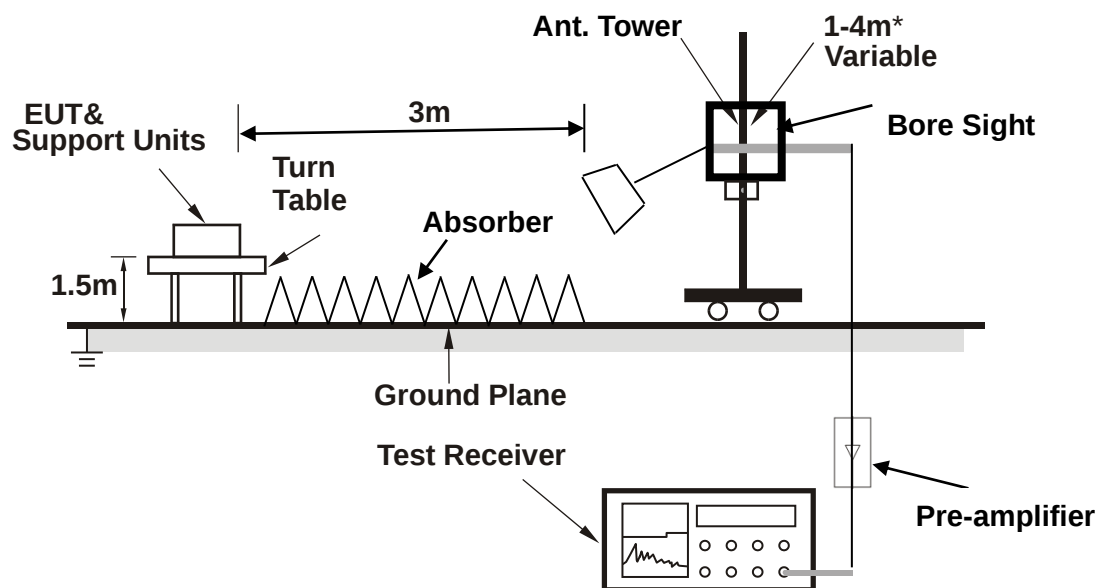
< Frequency Range below 30MHz >



< 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

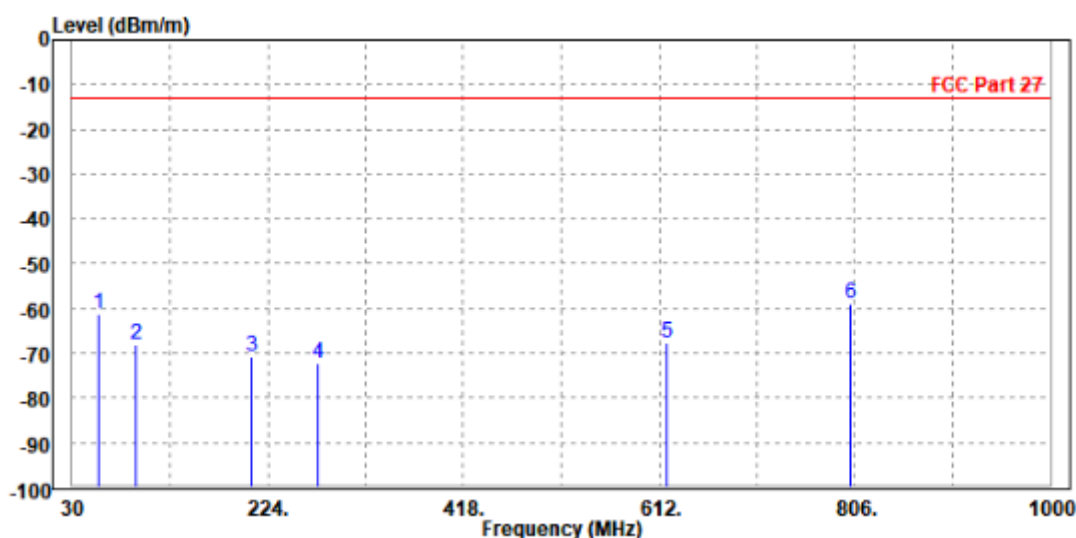
30 MHz – 1GHz data:

LTE Band 66

CHANNEL BANDWIDTH: 5MHz / QPSK

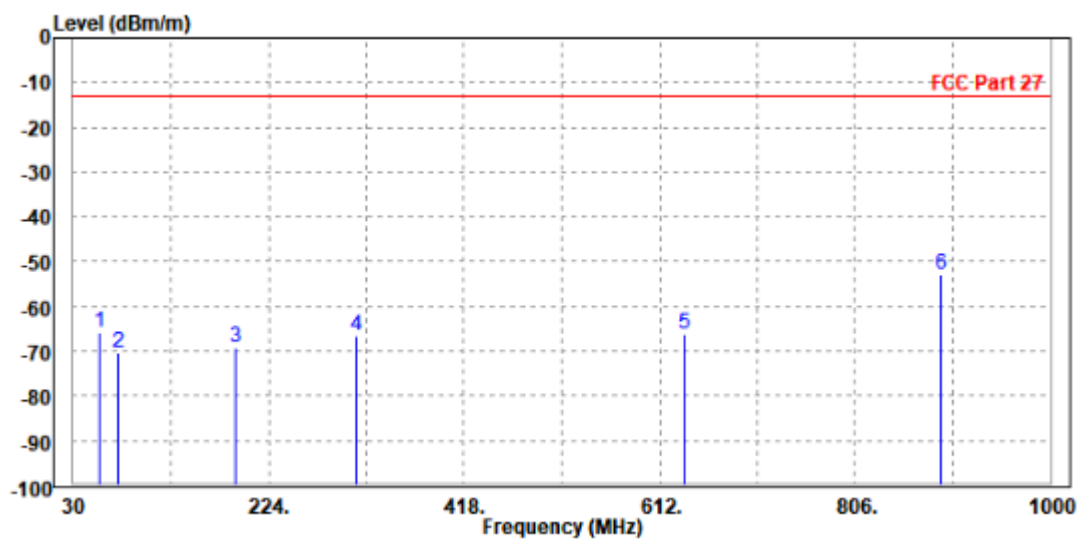
MODE	TX channel 132647	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	56.190	-61.27	-49.29	-13.00	-48.27	-11.98	Peak	Horizontal
2	93.050	-68.11	-55.31	-13.00	-55.11	-12.80	Peak	Horizontal
3	208.480	-70.63	-55.98	-13.00	-57.63	-14.65	Peak	Horizontal
4	273.470	-72.22	-62.15	-13.00	-59.22	-10.07	Peak	Horizontal
5	619.760	-67.54	-64.88	-13.00	-54.54	-2.66	Peak	Horizontal
6 PP	802.120	-59.10	-64.24	-13.00	-46.10	5.14	Peak	Horizontal



MODE	TX channel 132647	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
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	56.190	-65.87	-46.74	-13.00	-52.87	-19.13	Peak	Vertical
2	74.620	-70.30	-50.47	-13.00	-57.30	-19.83	Peak	Vertical
3	191.020	-69.32	-62.53	-13.00	-56.32	-6.79	Peak	Vertical
4	310.330	-66.49	-63.00	-13.00	-53.49	-3.49	Peak	Vertical
5	636.250	-66.02	-65.40	-13.00	-53.02	-0.62	Peak	Vertical
6 PP	891.360	-52.76	-64.27	-13.00	-39.76	11.51	Peak	Vertical





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Test Report No.: PSZ-NQN2412090319RF07

ABOVE 1GHz

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

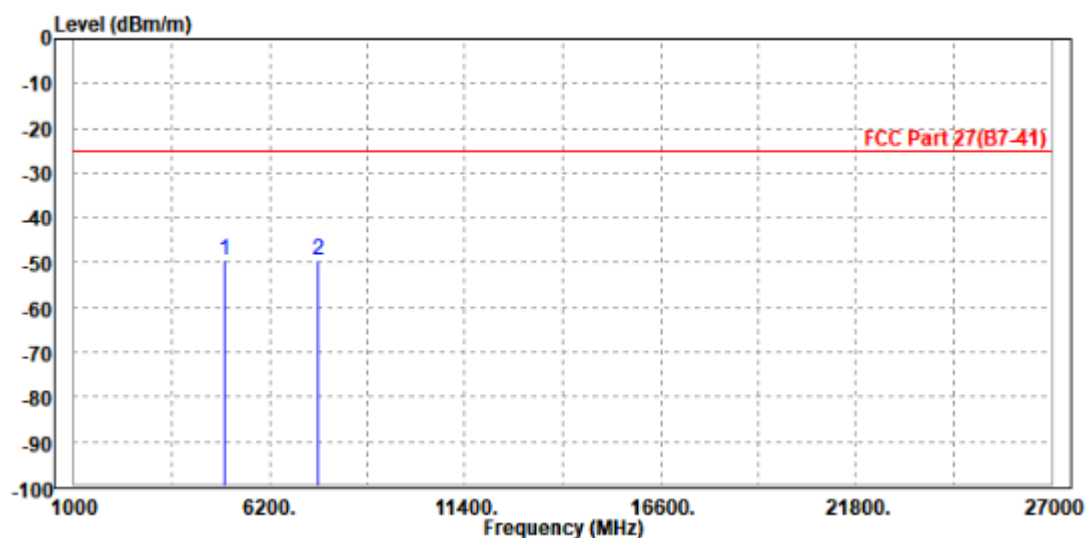
LTE BAND 41

CHANNEL BANDWIDTH: 5MHz / QPSK

CH39715

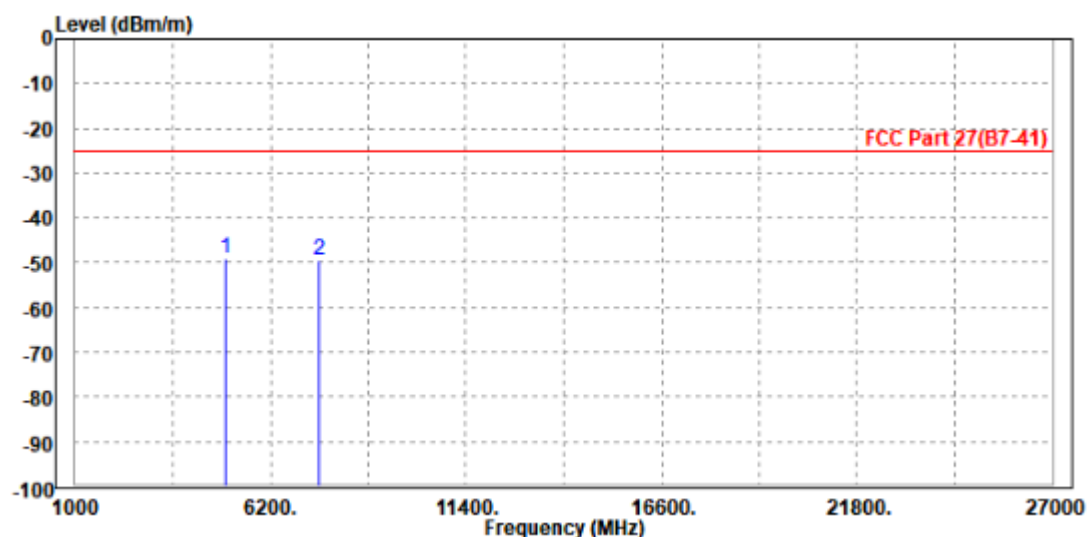
MODE	TX channel 39715	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5005.000	-49.32	-60.39	-25.00	-24.32	11.07	Peak	Horizontal
2	7500.000	-49.37	-63.71	-25.00	-24.37	14.34	Peak	Horizontal



MODE	TX channel 39715	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

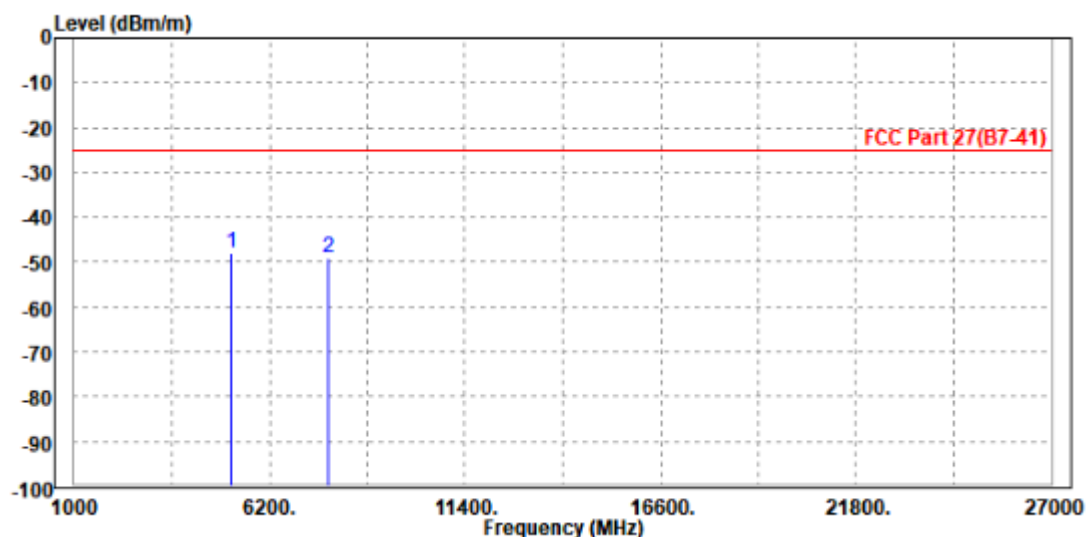
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	5004.000	-49.05	-60.43	-25.00	-24.05	11.38	Peak	Vertical
2		7507.500	-49.37	-62.42	-25.00	-24.37	13.05	Peak	Vertical



CH40620

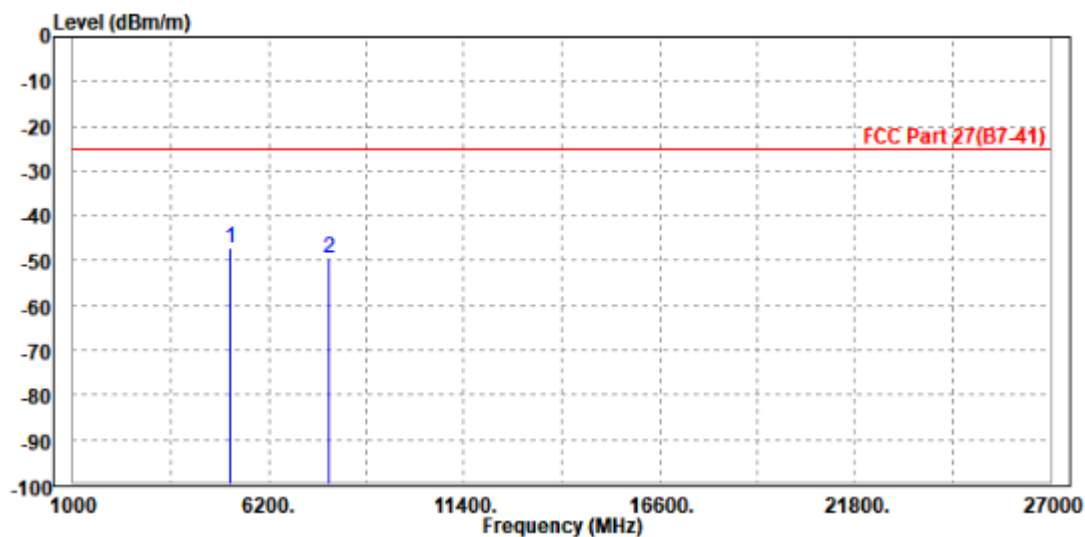
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		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	-47.80	-59.14	-25.00	-22.80	11.34	Peak	Horizontal
2		7779.000	-49.08	-63.90	-25.00	-24.08	14.82	Peak	Horizontal



MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

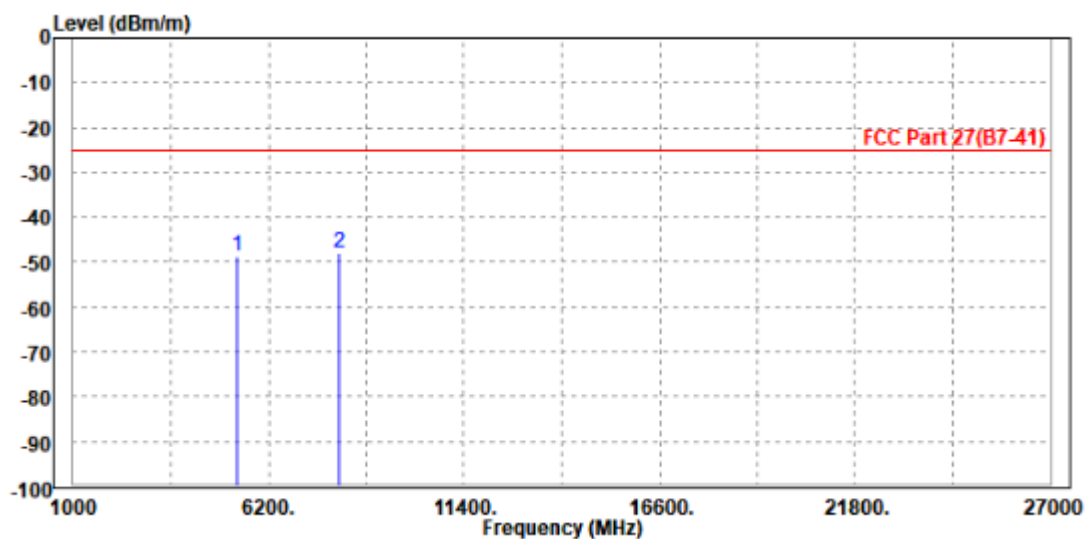
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-47.32	-59.05	-25.00	-22.32	11.73	Peak	Vertical
2	7786.000	-49.44	-63.70	-25.00	-24.44	14.26	Peak	Vertical



CH41565

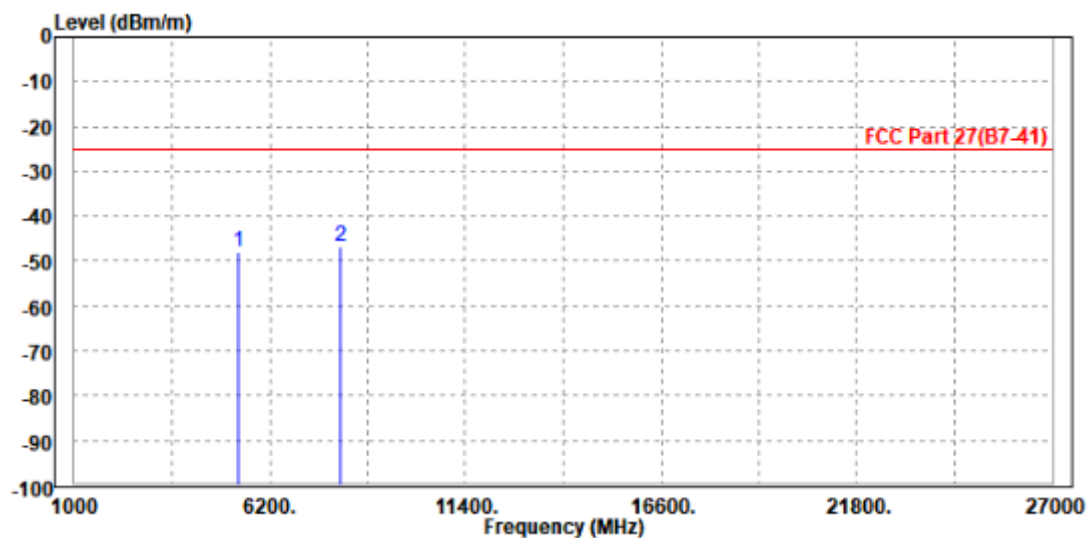
MODE	TX channel 41565	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5368.000	-48.80	-60.40	-25.00	-23.80	11.60	Peak	Horizontal
2 PP	8062.500	-47.83	-63.14	-25.00	-22.83	15.31	Peak	Horizontal



MODE	TX channel 41565	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

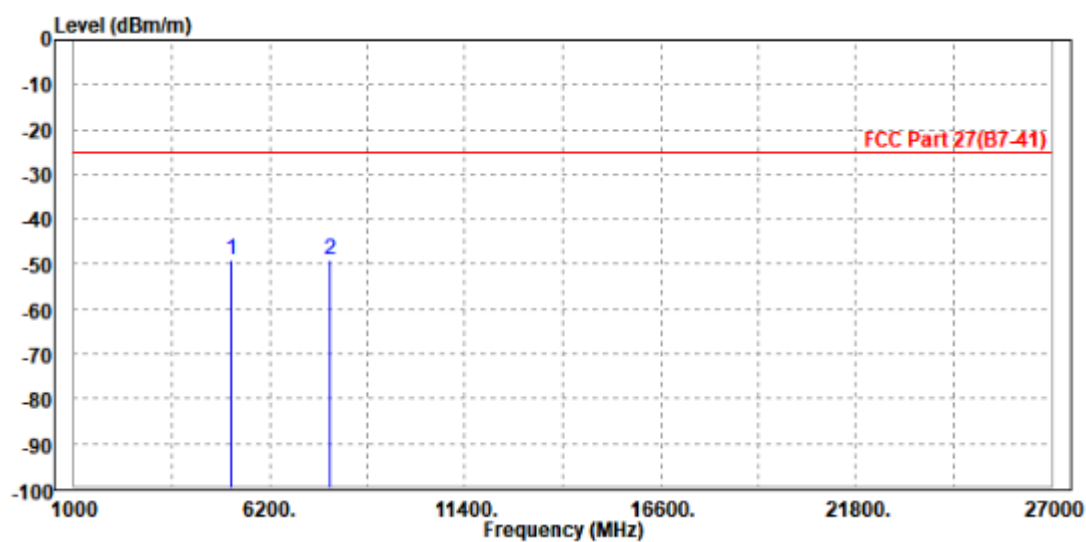
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	5375.000	-47.87	-59.97	-25.00	-22.87	12.10	Peak	Vertical
2 PP	8072.000	-46.87	-62.31	-25.00	-21.87	15.44	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz / QPSK

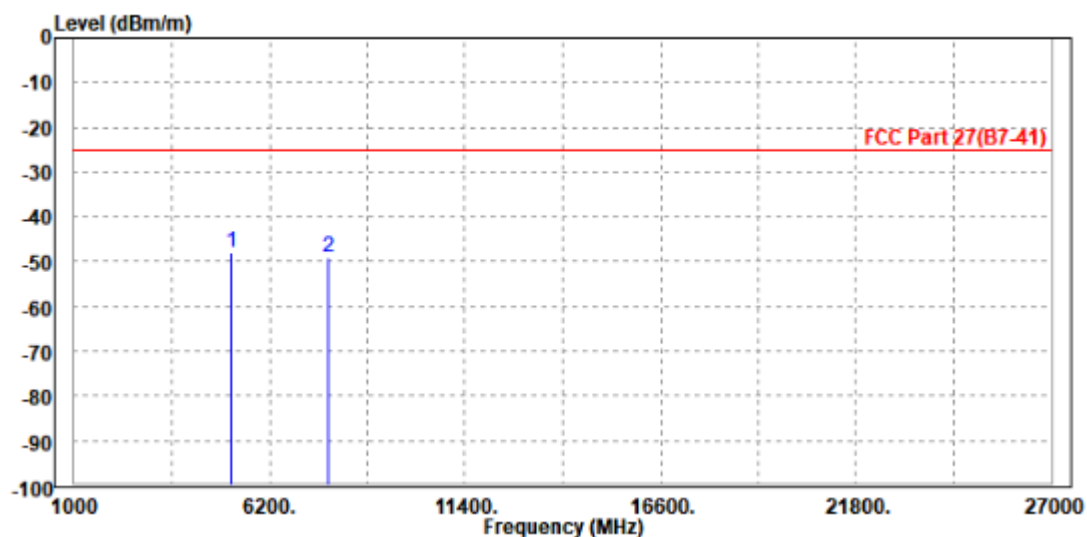
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		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	-48.89	-60.23	-25.00	-23.89	11.34	Peak	Horizontal
2		7786.000	-49.01	-63.84	-25.00	-24.01	14.83	Peak	Horizontal



MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

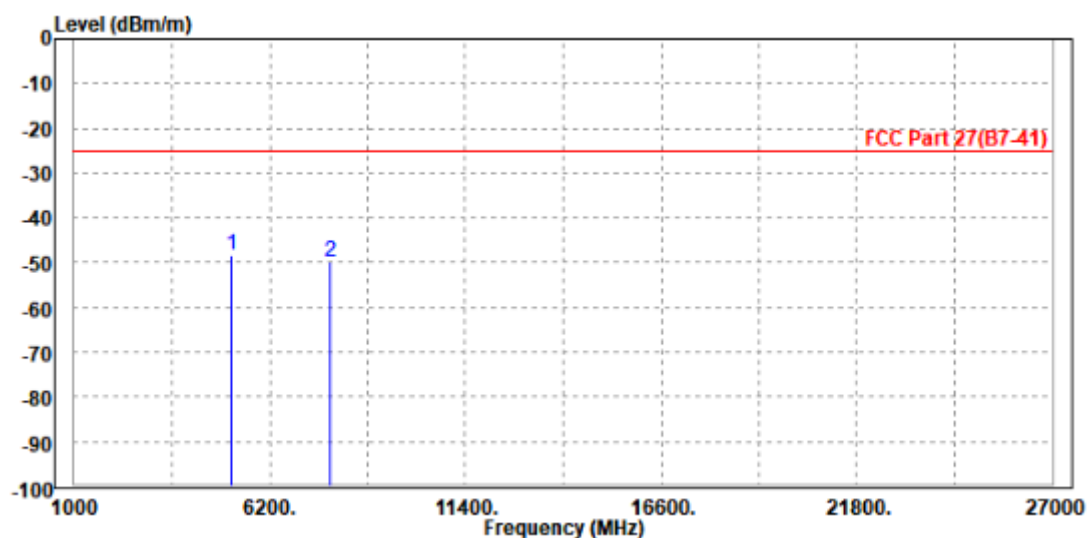
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-47.99	-59.72	-25.00	-22.99	11.73	Peak	Vertical
2	7779.000	-48.93	-63.16	-25.00	-23.93	14.23	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz / QPSK

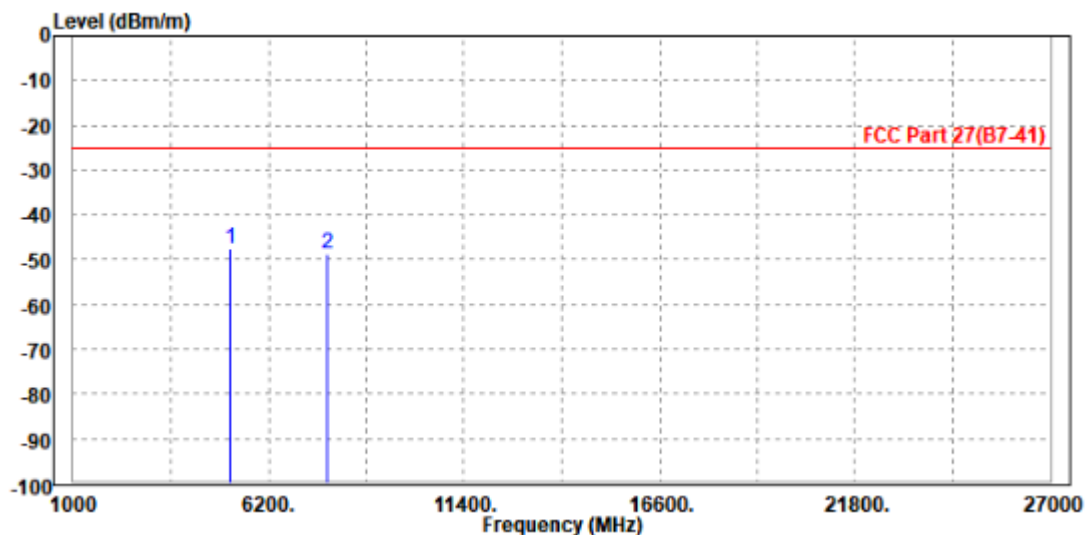
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		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	-48.43	-59.77	-25.00	-23.43	11.34	Peak	Horizontal
2		7786.000	-49.90	-64.73	-25.00	-24.90	14.83	Peak	Horizontal



MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

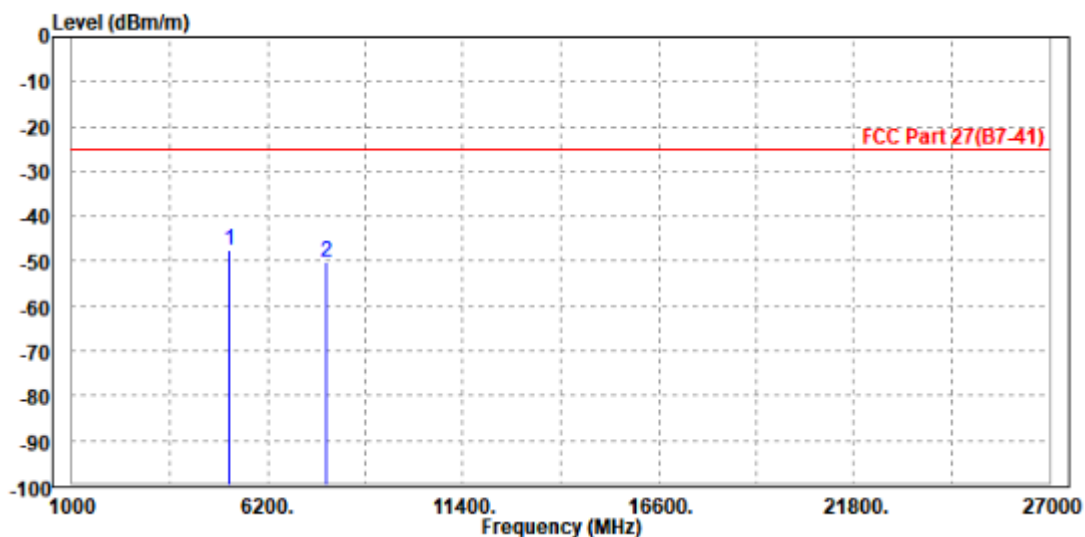
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-47.57	-59.30	-25.00	-22.57	11.73	Peak	Vertical
2	7779.000	-48.53	-62.76	-25.00	-23.53	14.23	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz / QPSK

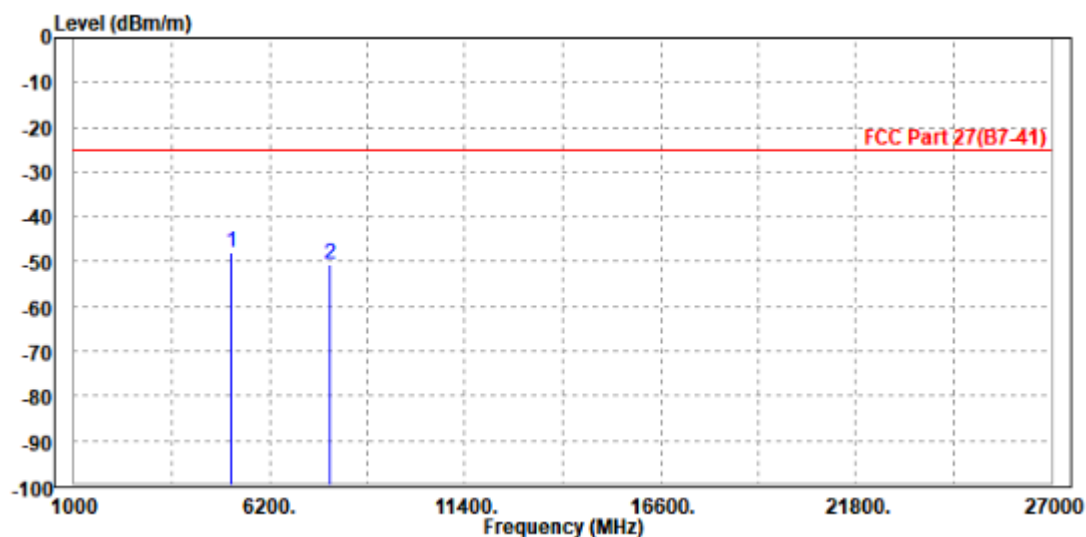
MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

			Read	Limit	Over			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 5186.000	-47.51	-58.85	-25.00	-22.51	11.34	Peak	Horizontal
2	7779.000	-50.19	-65.01	-25.00	-25.19	14.82	Peak	Horizontal



MODE	TX channel 40620	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	-47.93	-59.66	-25.00	-22.93	11.73	Peak	Vertical
2	7786.000	-50.40	-64.66	-25.00	-25.40	14.26	Peak	Vertical





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Test Report No.: PSZ-NQN2412090319RF07

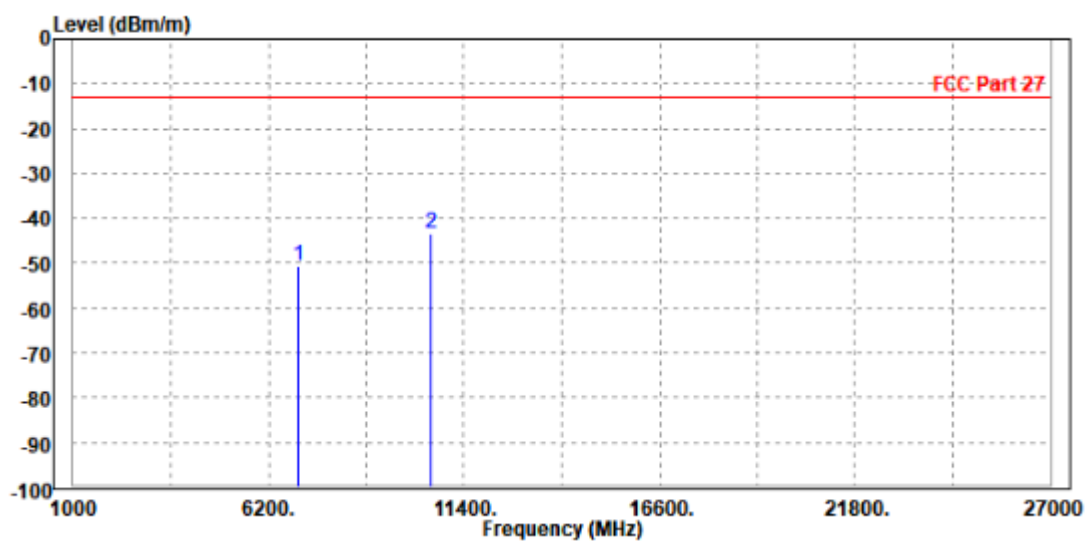
LTE BAND 42

Note: For frequency above 27GHz, the emission was tested 20db below the limit so the data not recorded in the sheet.

CHANNEL BANDWIDTH: 5MHz / QPSK

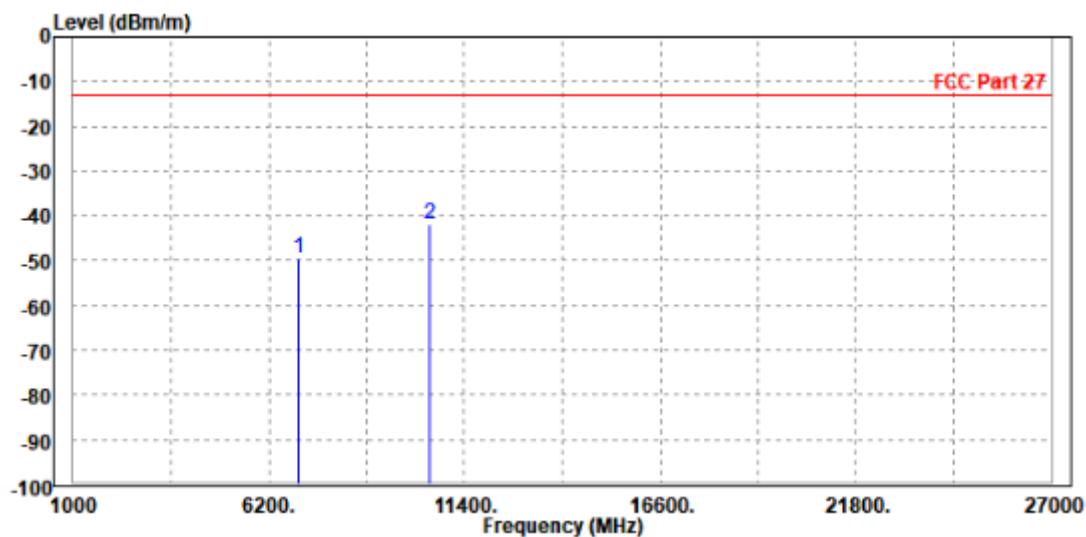
MODE	TX channel 42590	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7006.000	-50.56	-64.34	-13.00	-37.56	13.78	Peak	Horizontal
2	PP10500.000	-43.17	-62.82	-13.00	-30.17	19.65	Peak	Horizontal



MODE	TX channel 42590	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	7000.000	-49.31	-63.88	-13.00	-36.31	14.57	Peak	Vertical
2	PP10490.000	-42.00	-62.52	-13.00	-29.00	20.52	Peak	Vertical

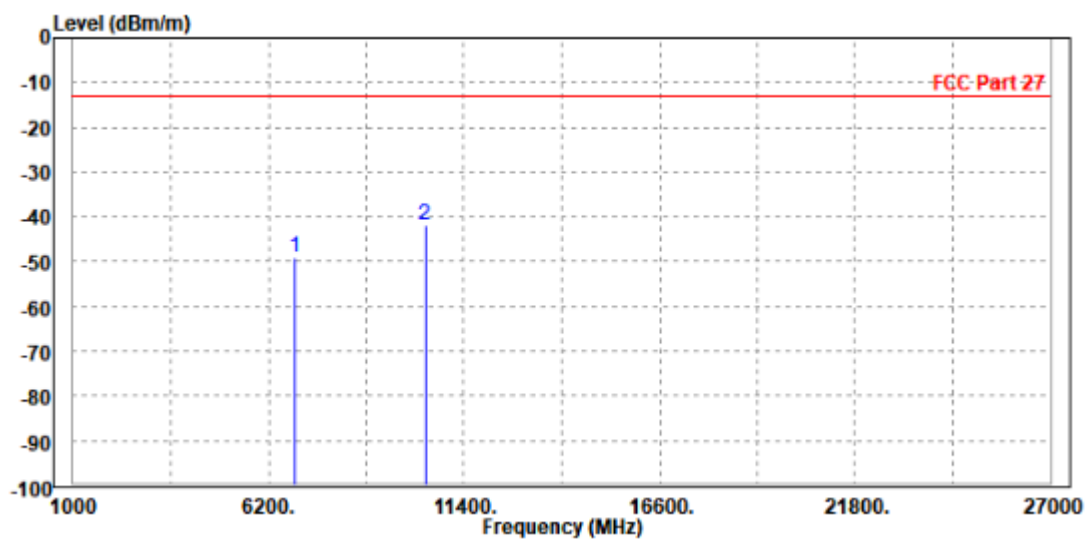


CHANNEL BANDWIDTH: 10MHz / QPSK

CH42140

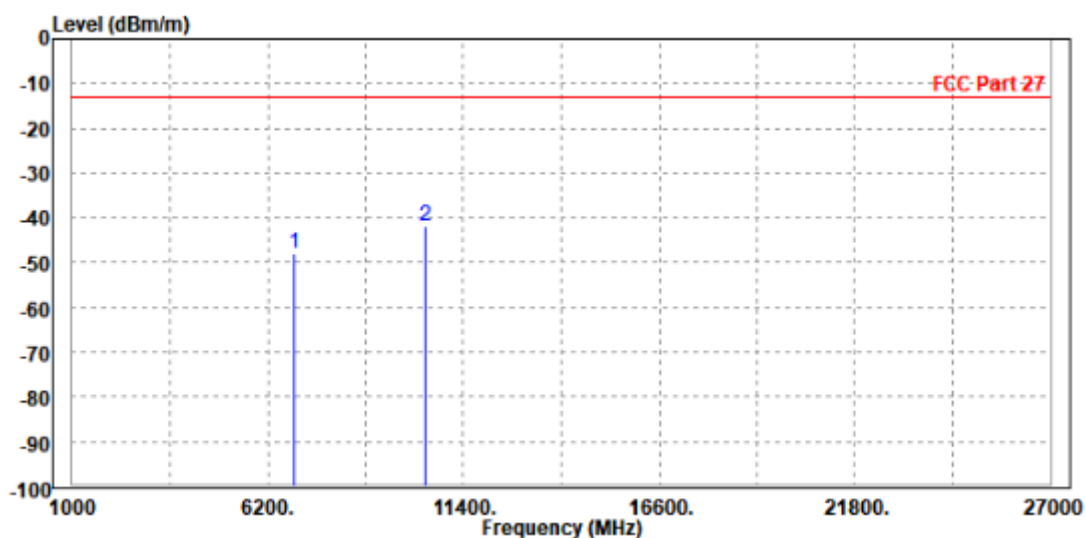
MODE	TX channel 42140	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	6910.000	-49.08	-62.65	-13.00	-36.08	13.57	Peak	Horizontal
2	PP10360.000	-41.91	-61.36	-13.00	-28.91	19.45	Peak	Horizontal



MODE	TX channel 42140	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

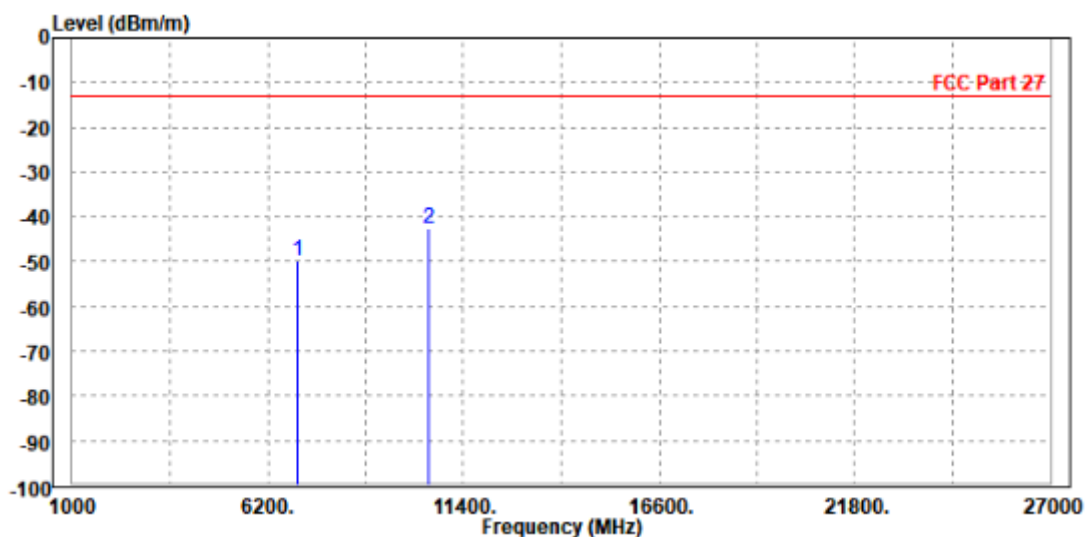
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	6902.000	-47.76	-62.11	-13.00	-34.76	14.35	Peak	Vertical
2	PP10365.000	-41.78	-61.70	-13.00	-28.78	19.92	Peak	Vertical



CH42590

MODE	TX channel 42590	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	7000.000	-49.96	-63.73	-13.00	-36.96	13.77	Peak	Horizontal
2	PP10490.000	-42.57	-62.21	-13.00	-29.57	19.64	Peak	Horizontal

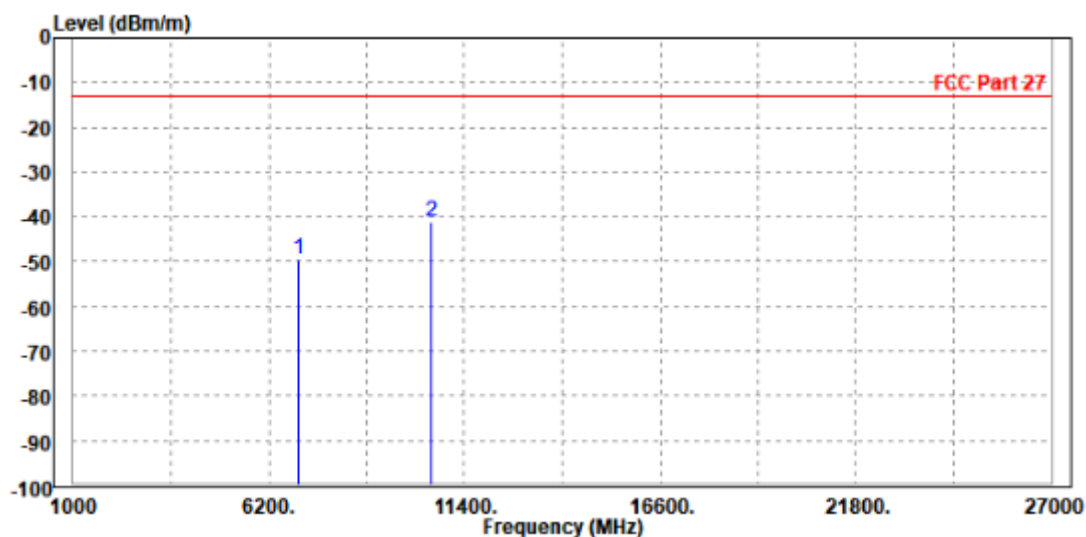




Test Report No.: PSZ-NQN2412090319RF07

MODE	TX channel 42590	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	7006.000	-49.25	-63.80	-13.00	-36.25	14.55	Peak	Vertical
2	PP10500.000	-41.12	-61.69	-13.00	-28.12	20.57	Peak	Vertical





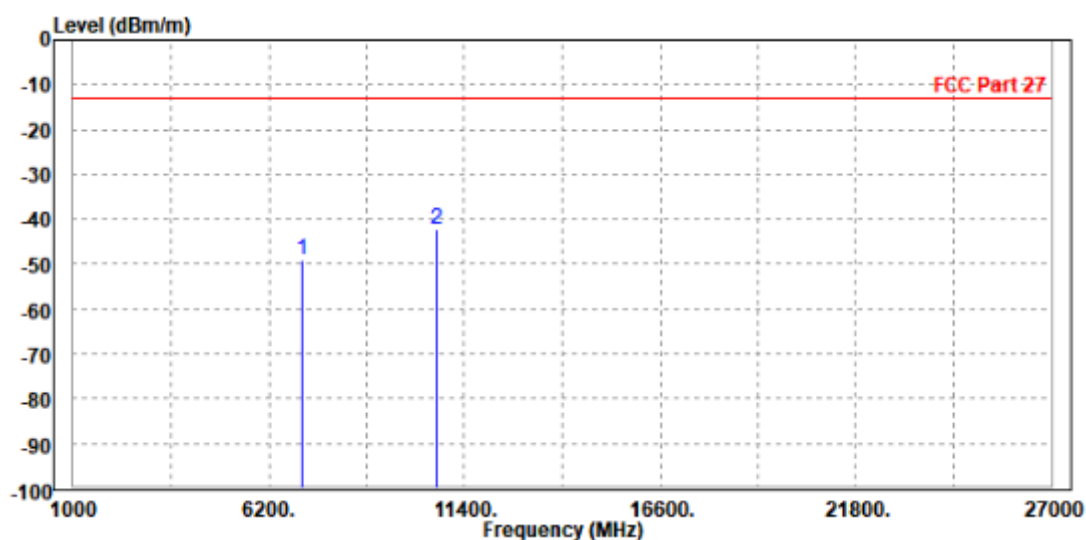
BUREAU
VERITAS

Test Report No.: PSZ-NQN2412090319RF07

CH43040

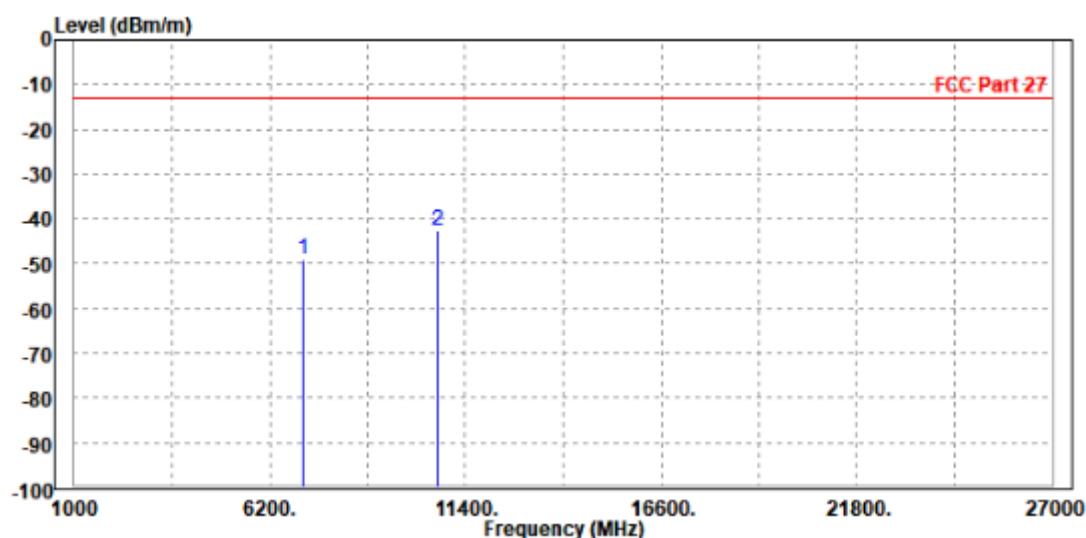
MODE	TX channel 43040	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7084.000	-48.97	-62.84	-13.00	-35.97	13.87	Peak	Horizontal
2	PP10635.000	-42.32	-62.16	-13.00	-29.32	19.84	Peak	Horizontal



MODE	TX channel 43040	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

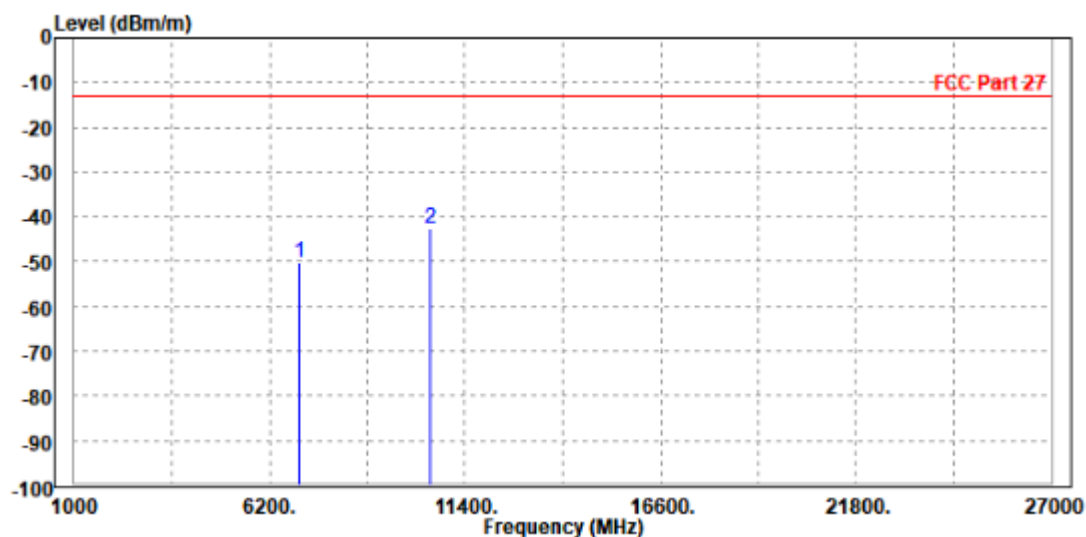
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7090.000	-49.22	-63.51	-13.00	-36.22	14.29	Peak	Vertical
2	PP10646.000	-42.50	-63.05	-13.00	-29.50	20.55	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz / QPSK

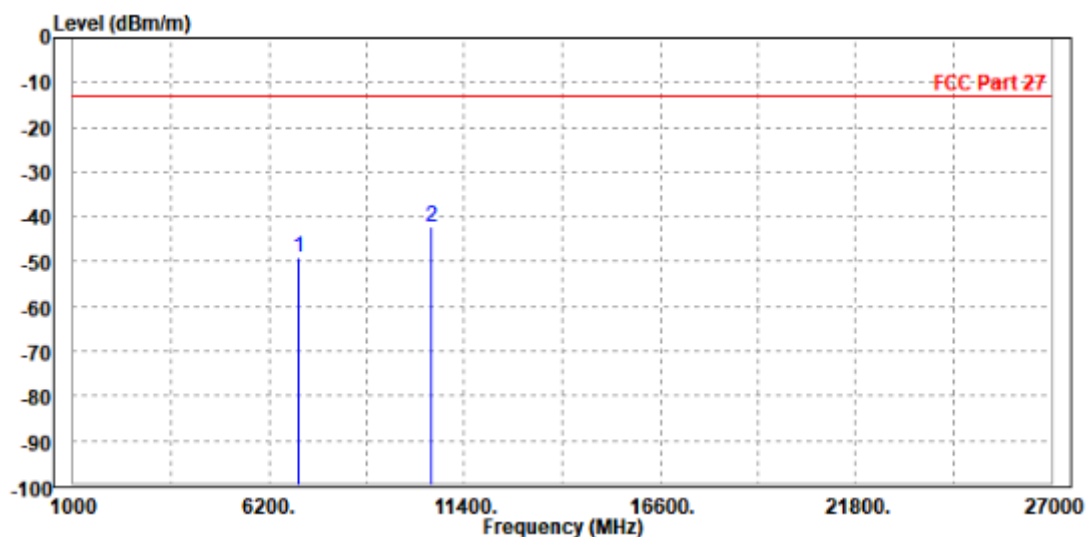
MODE	TX channel 42590	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7000.000	-50.02	-63.79	-13.00	-37.02	13.77	Peak	Horizontal
2	PP10490.000	-42.45	-62.09	-13.00	-29.45	19.64	Peak	Horizontal



MODE	TX channel 42590	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

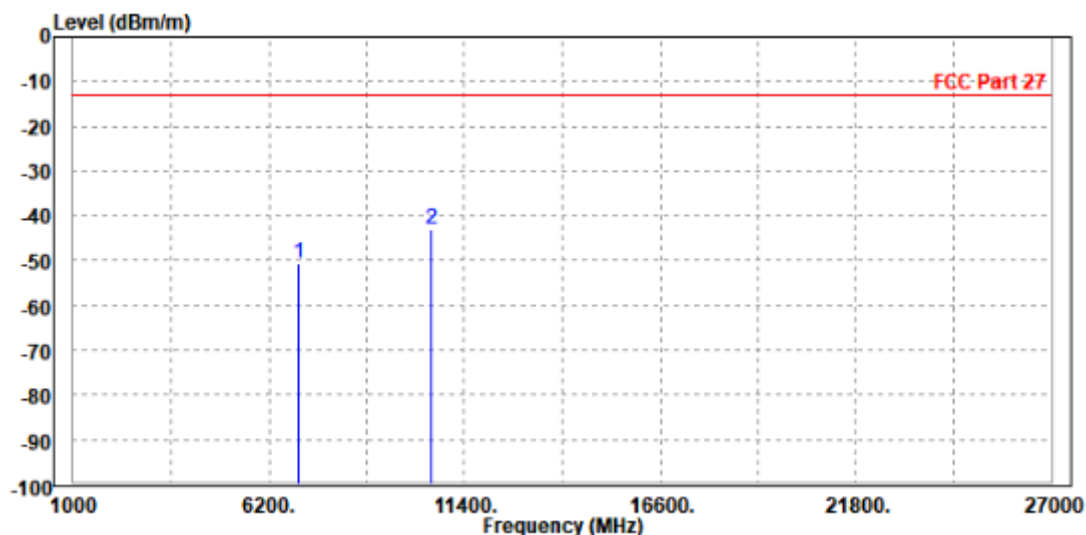
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7006.000	-48.97	-63.52	-13.00	-35.97	14.55	Peak	Vertical
2	PP10500.000	-42.14	-62.71	-13.00	-29.14	20.57	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz / QPSK

MODE	TX channel 42590	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

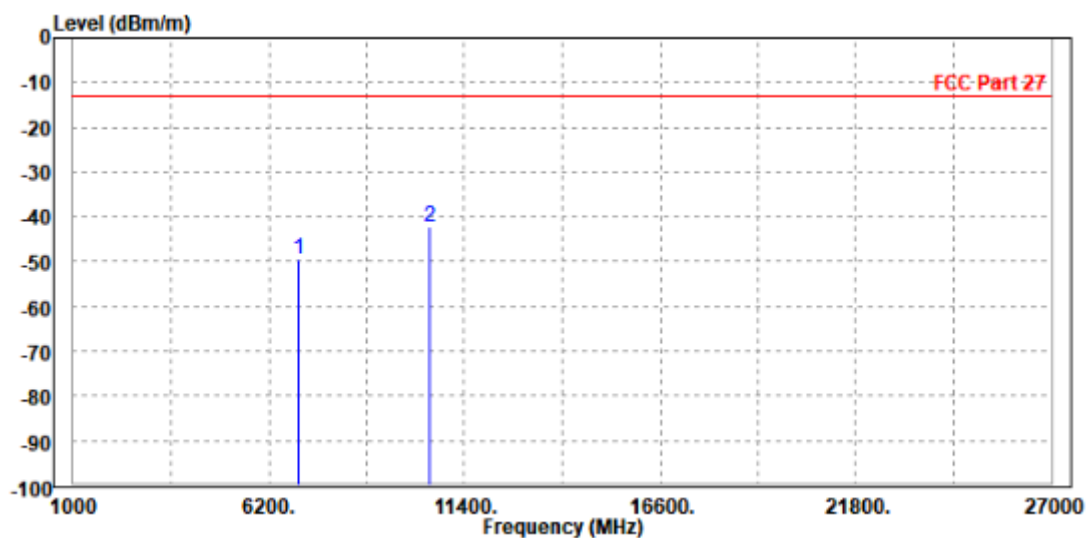
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	7006.000	-50.73	-64.51	-13.00	-37.73	13.78	Peak	Horizontal
2	PP10500.000	-42.84	-62.49	-13.00	-29.84	19.65	Peak	Horizontal



Test Report No.: PSZ-NQN2412090319RF07

MODE	TX channel 42590	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60Hz
TESTED BY	Jace Hu		
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	7000.000	-49.37	-63.94	-13.00	-36.37	14.57	Peak	Vertical
2	PP10490.000	-42.11	-62.63	-13.00	-29.11	20.52	Peak	Vertical

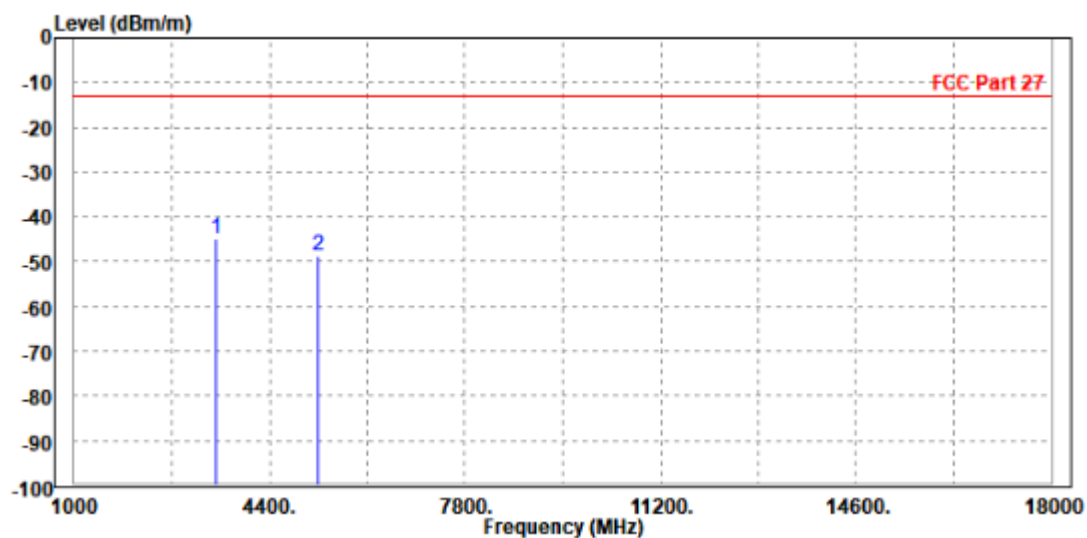


LTE B66

CHANNEL BANDWIDTH: 1.4MHz / QPSK

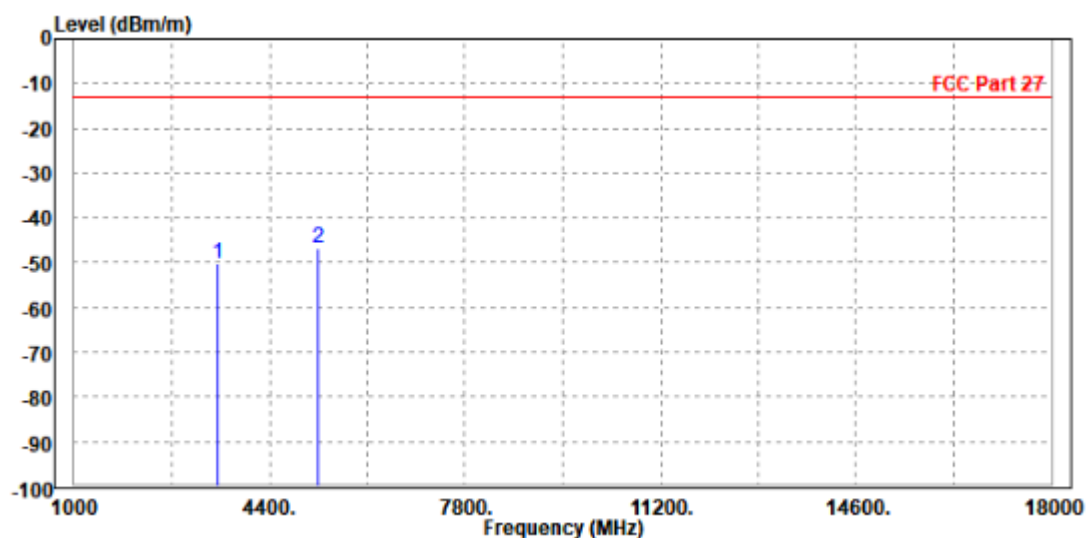
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3482.000	-44.79	-53.34	-13.00	-31.79	8.55	Peak	Horizontal
2	5235.000	-48.83	-60.24	-13.00	-35.83	11.41	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
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	3490.000	-50.12	-58.76	-13.00	-37.12	8.64	Peak	Vertical
2 PP	5233.000	-46.94	-58.76	-13.00	-33.94	11.82	Peak	Vertical



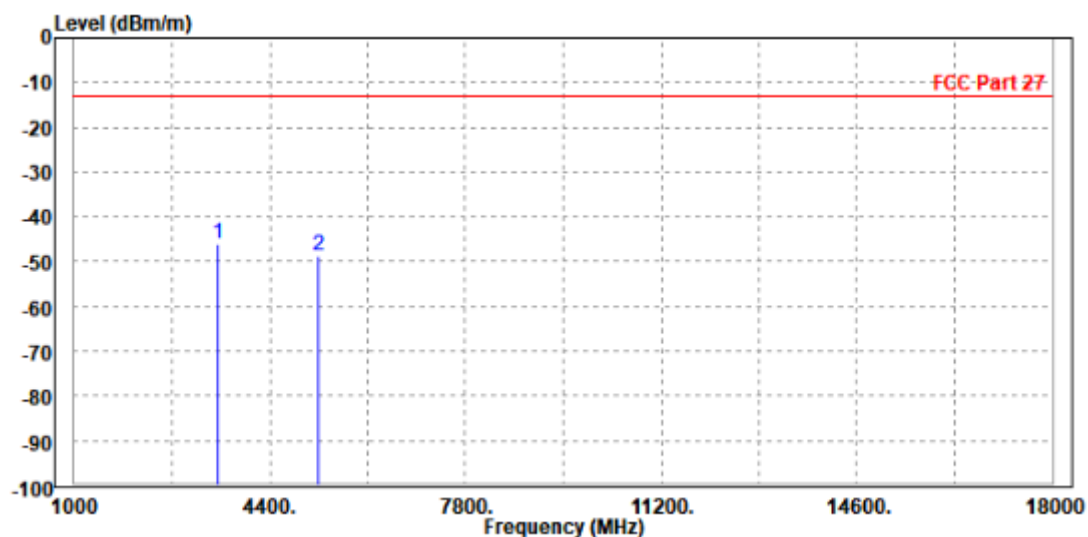


Test Report No.: PSZ-NQN2412090319RF07

CHANNEL BANDWIDTH: 3MHz / QPSK

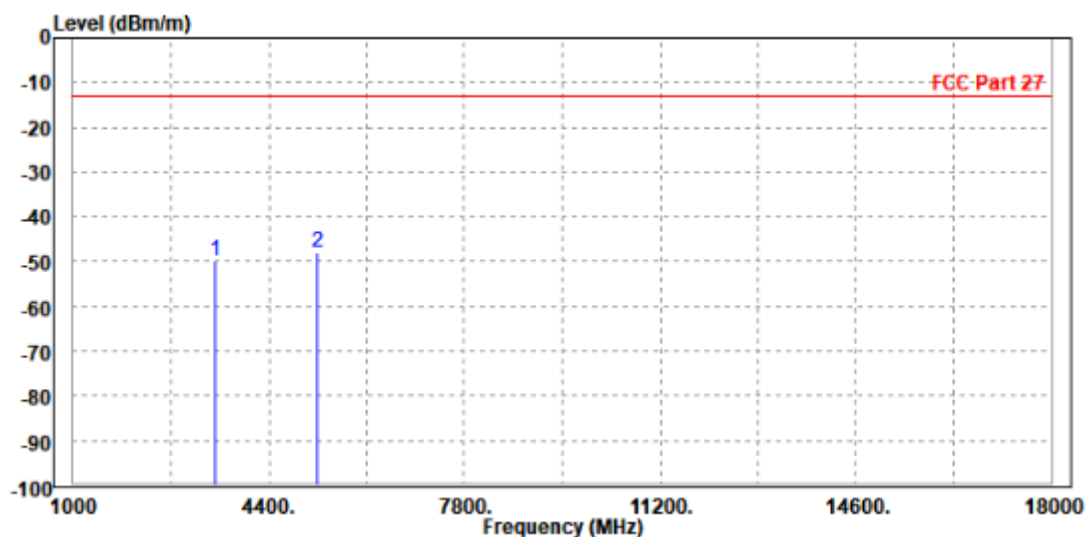
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3490.000	-46.13	-54.68	-13.00	-33.13	8.55	Peak	Horizontal
2		5233.000	-48.61	-60.01	-13.00	-35.61	11.40	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
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	3482.000	-49.67	-58.32	-13.00	-36.67	8.65	Peak	Vertical
2 PP	5235.000	-47.73	-59.56	-13.00	-34.73	11.83	Peak	Vertical

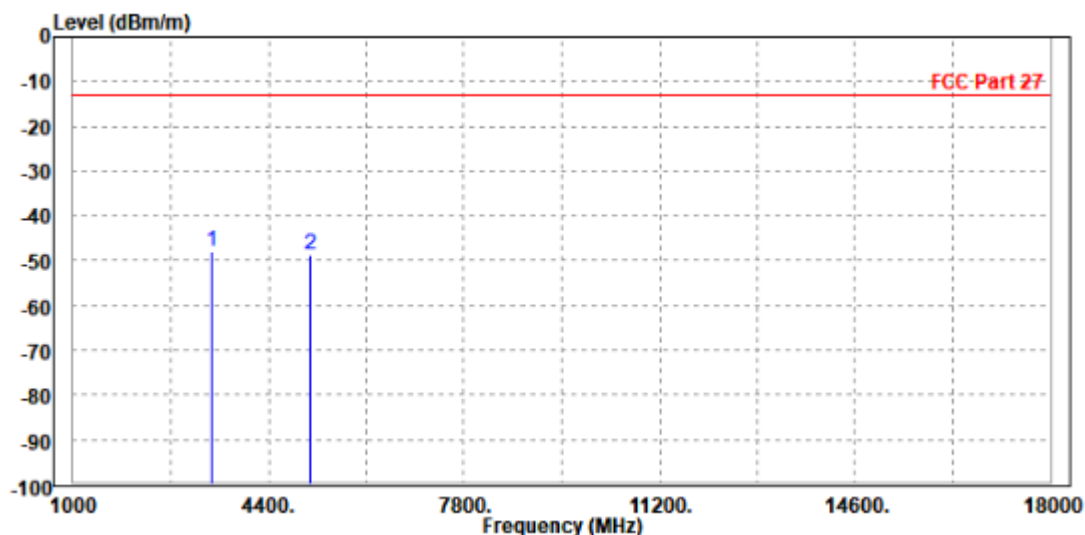


CHANNEL BANDWIDTH: 5MHz / QPSK

CH131997

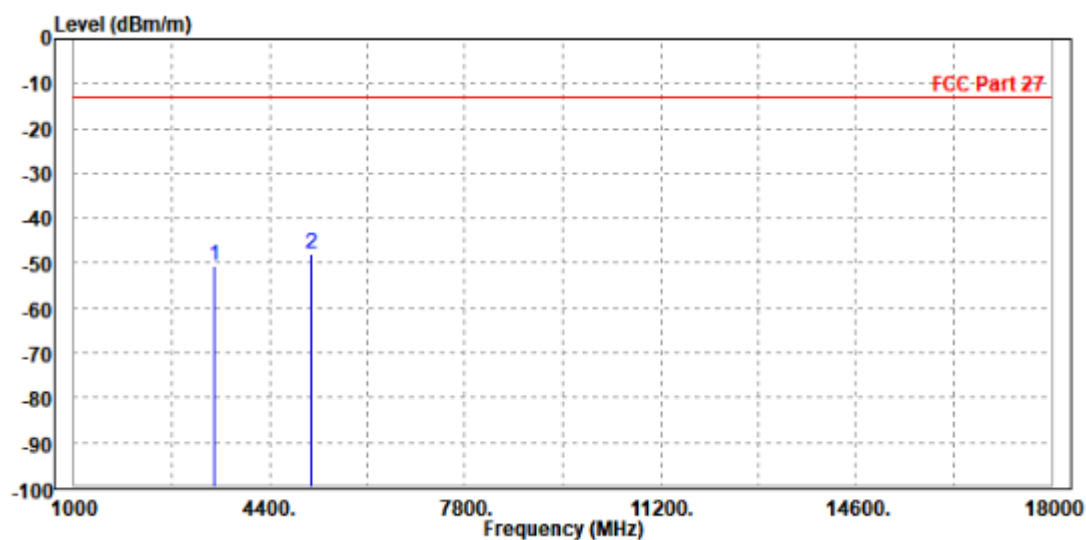
MODE	TX channel 131997	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

			Read	Limit	Over			
	Freq	Level	Level	Line	Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3414.000	-48.06	-56.57	-13.00	-35.06	8.51	Peak	Horizontal
2	5131.000	-48.84	-60.09	-13.00	-35.84	11.25	Peak	Horizontal



MODE	TX channel 131997	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

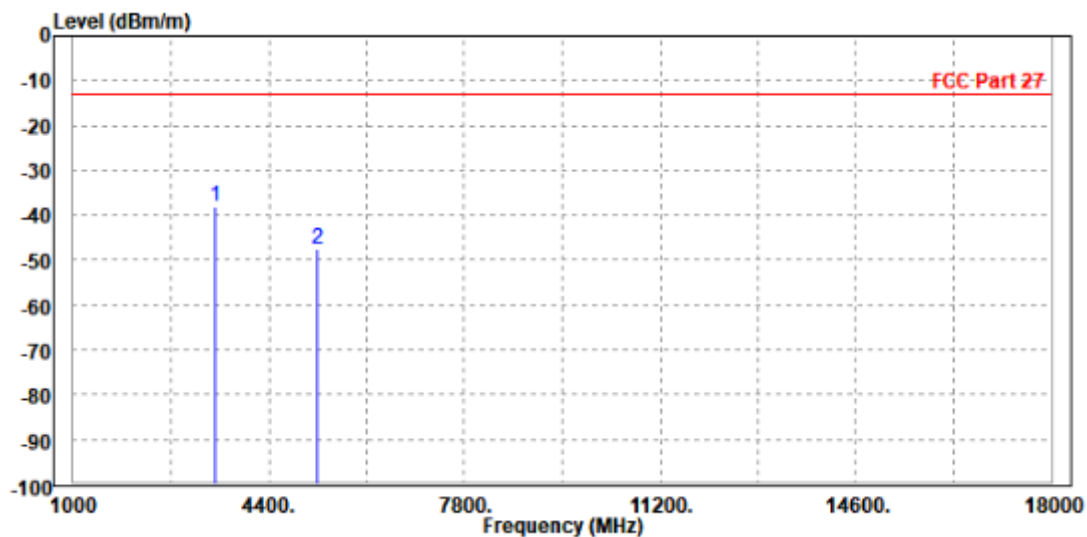
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3431.000	-50.41	-59.08	-13.00	-37.41	8.67	Peak	Vertical
2 PP	5137.500	-47.88	-59.52	-13.00	-34.88	11.64	Peak	Vertical



CH132322

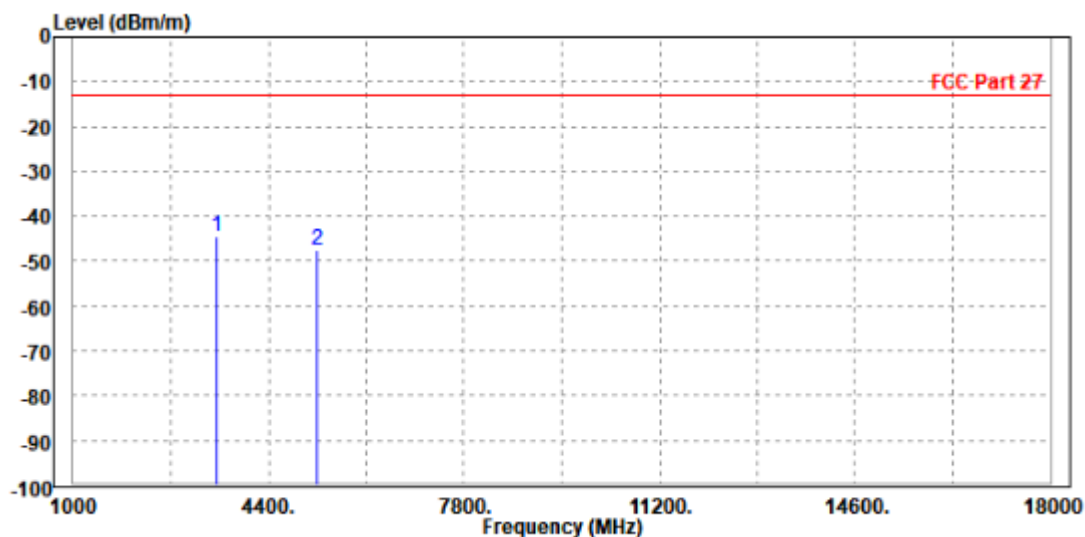
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3482.000	-38.16	-46.71	-13.00	-25.16	8.55	Peak	Horizontal
2	5235.000	-47.55	-58.96	-13.00	-34.55	11.41	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

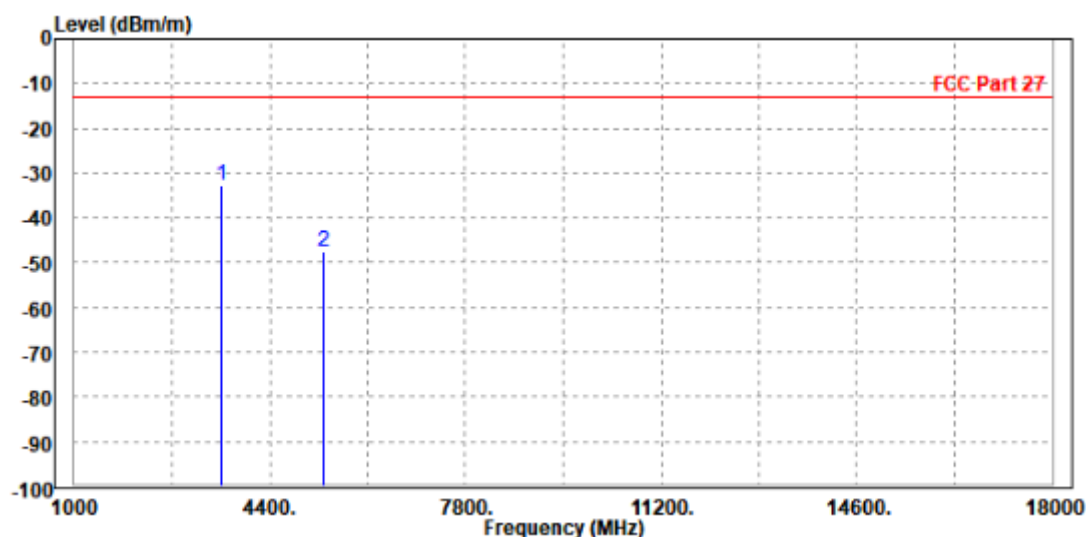
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3490.000	-44.32	-52.96	-13.00	-31.32	8.64	Peak	Vertical
2		5233.000	-47.71	-59.53	-13.00	-34.71	11.82	Peak	Vertical



CH132647

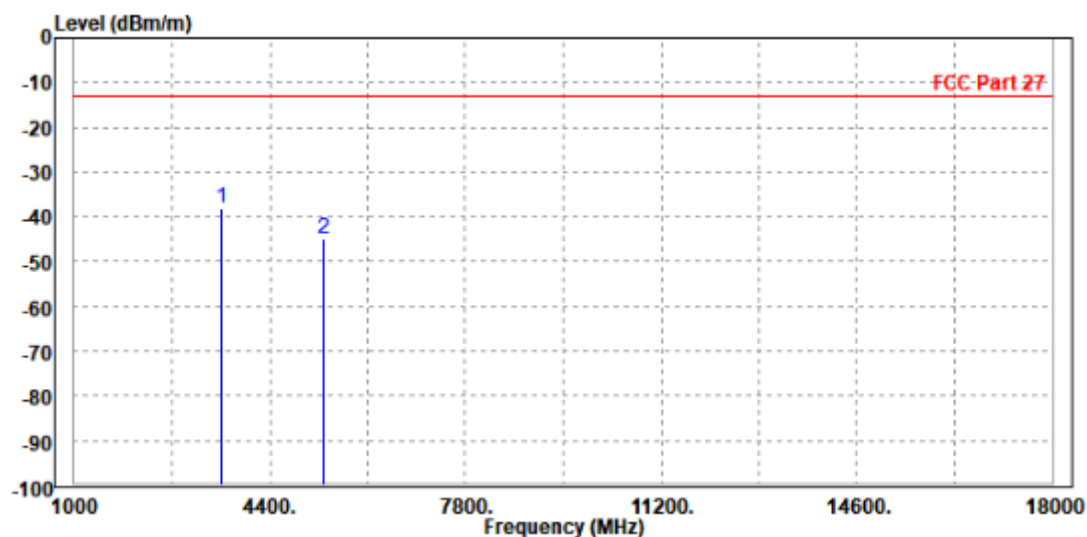
MODE	TX channel 132647	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3550.000	-32.76	-41.28	-13.00	-19.76	8.52	Peak	Horizontal
2	5332.500	-47.42	-58.97	-13.00	-34.42	11.55	Peak	Horizontal



MODE	TX channel 132647	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

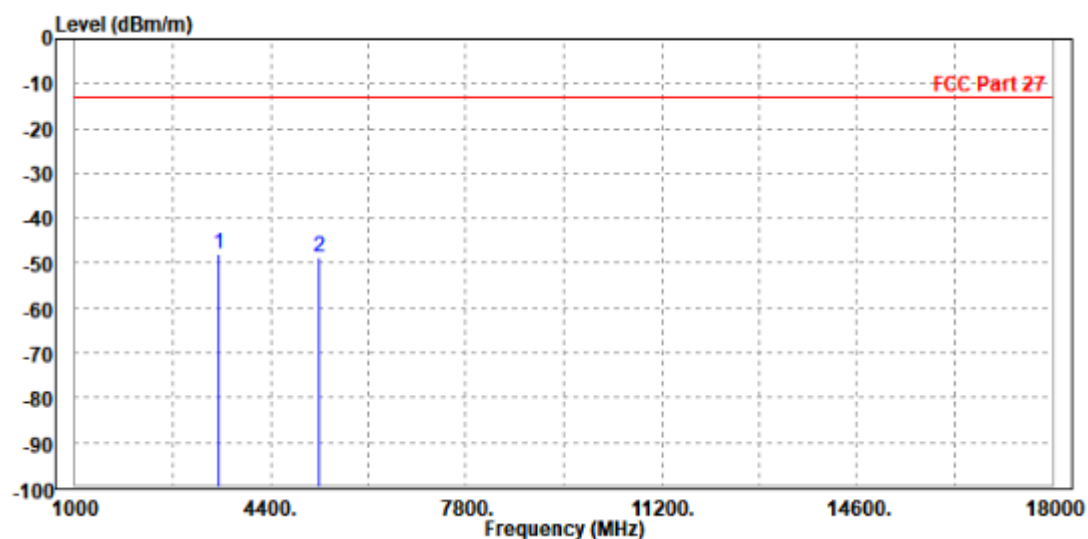
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3550.000	-38.07	-46.71	-13.00	-25.07	8.64	Peak	Vertical
2		5318.000	-45.00	-56.99	-13.00	-32.00	11.99	Peak	Vertical



CHANNEL BANDWIDTH: 10MHz / QPSK

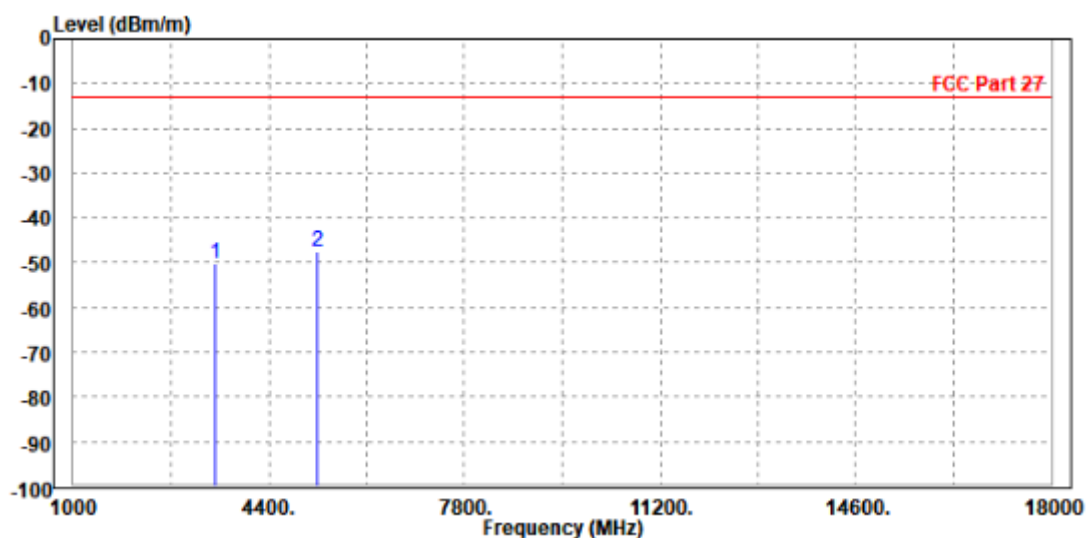
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3490.000	-47.88	-56.43	-13.00	-34.88	8.55	Peak	Horizontal
2		5233.000	-48.85	-60.25	-13.00	-35.85	11.40	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

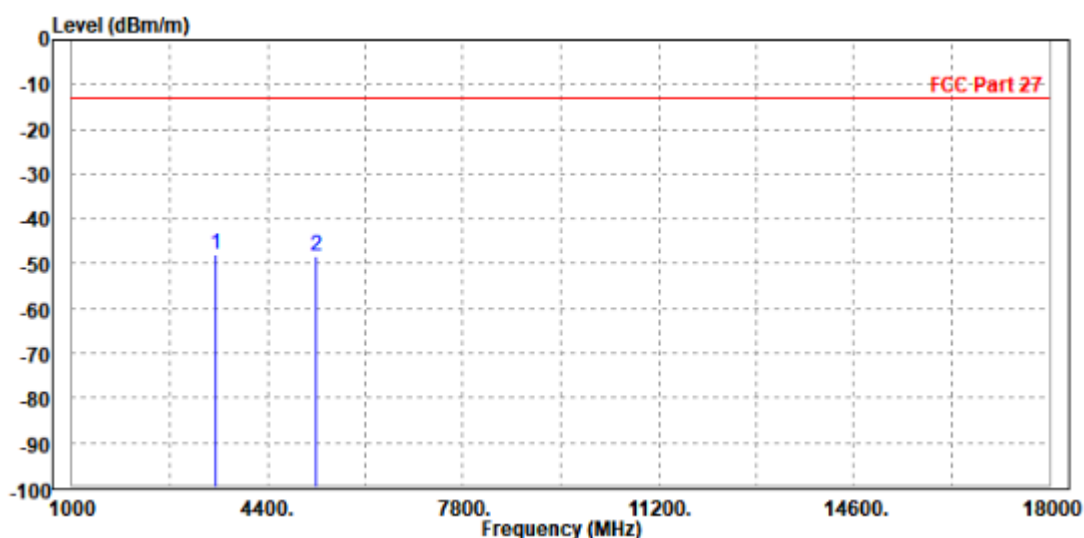
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3482.000	-50.18	-58.83	-13.00	-37.18	8.65	Peak	Vertical
2 PP	5235.000	-47.69	-59.52	-13.00	-34.69	11.83	Peak	Vertical



CHANNEL BANDWIDTH: 15MHz / QPSK

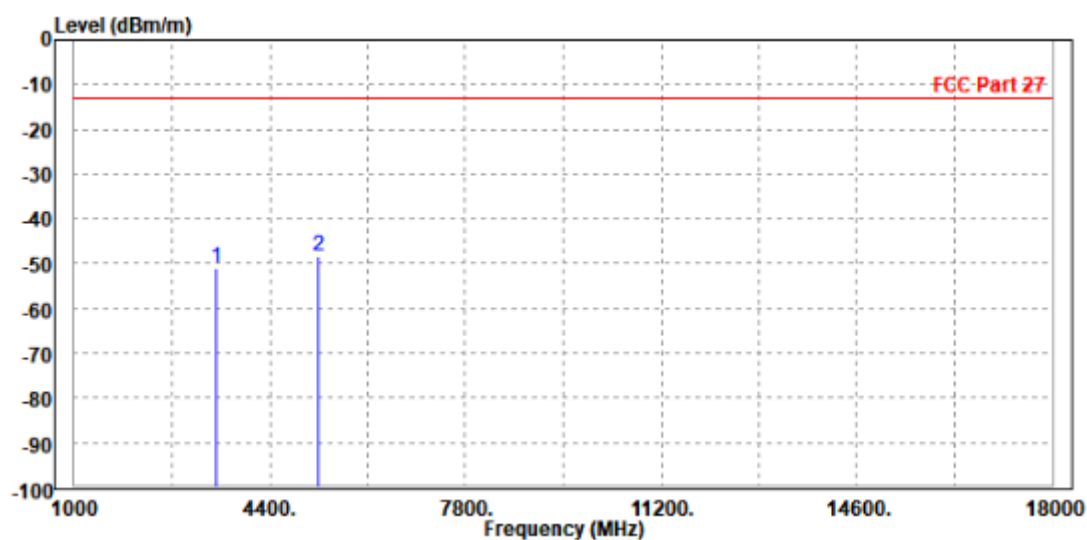
CHANNEL BANDWIDTH: 10MHz			
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3490.000	-47.88	-56.43	-13.00	-34.88	8.55	Peak	Horizontal
2		5233.000	-48.12	-59.52	-13.00	-35.12	11.40	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

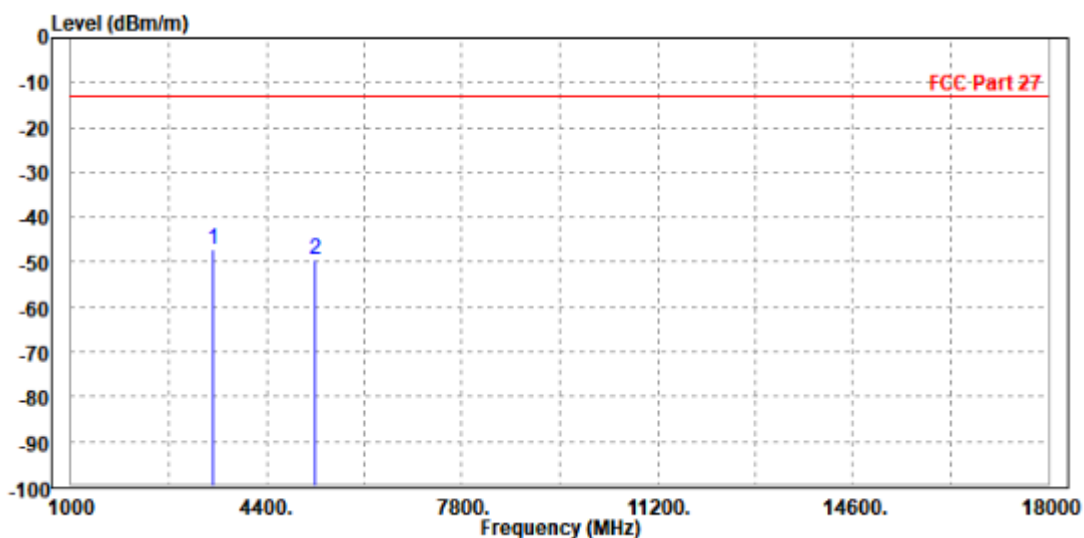
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3482.000	-50.91	-59.56	-13.00	-37.91	8.65	Peak	Vertical
2 PP	5235.000	-48.23	-60.06	-13.00	-35.23	11.83	Peak	Vertical



CHANNEL BANDWIDTH: 20MHz / QPSK

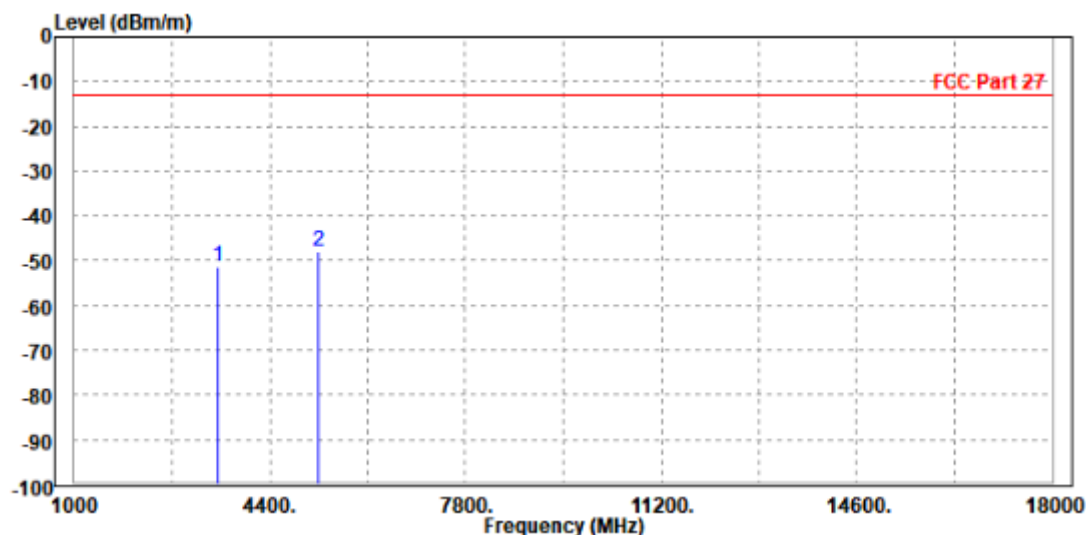
MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3465.000	-47.14	-55.68	-13.00	-34.14	8.54	Peak	Horizontal
2		5235.000	-49.59	-61.00	-13.00	-36.59	11.41	Peak	Horizontal



MODE	TX channel 132322	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	AC 120V/60HZ
TESTED BY	Jace Hu		
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	3490.000	-51.39	-60.03	-13.00	-38.39	8.64	Peak	Vertical
2 PP	5233.000	-47.81	-59.63	-13.00	-34.81	11.82	Peak	Vertical

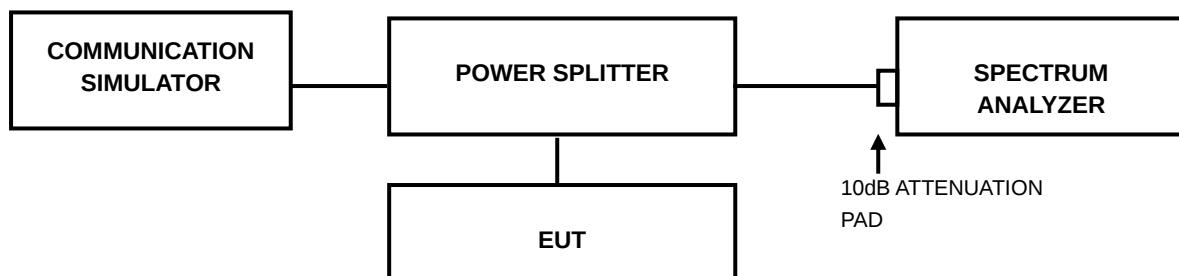


3.7 PEAK TO AVERAGE RATIO

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 $\geq$ 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%.



Test Report No.: PSZ-NQN2412090319RF07

3.7.4 TEST RESULTS

Please Refer to Appendix J.



Test Report No.: PSZ-NQN2412090319RF07

4 INFORMATION ON THE TESTING LABORATORIES

We, BV 7LAYERS COMMUNICATIONS TECHNOLOGY (SHENZHEN) CO. LTD., were founded in 2015 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:

Shenzhen EMC/RF Lab:

Tel: +86-755-88696566

Fax: +86-755-88696577

Email: customerservice.sw@cn.bureauveritas.com

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.



Test Report No.: PSZ-NQN2412090319RF07

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.

--END--