VARIANT FCC RF TEST REPORT

Applicant:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA

Manufacturer or Supplier:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA
Product:	FE5NA0010, FE5NA0011
Brand Name:	Continental
Model Name:	FE5NA0010, FE5NA0011
FCC ID:	LHJ-FE5NA0010
Date of tests:	Jan. 19, 2023 ~ Feb. 23, 2023

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

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

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

Prepared by Simon Wang Engineer / Mobile Department	Approved by Luke Lu Manager / Mobile Department
Simon Wang Date: Feb. 23, 2023	Luke Lu Date: Feb. 23, 2023

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-220214W001RF06	Original release	Sep. 07, 2022
W7L-230201W001RF06	Based on the original product changing the software version and add the MIMO function of Band n41, n77, The new sample update the data (n41, n77) of RSE and conducted Power.	Feb. 23, 2023

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**	**TEST LAB***
§2.1046	Conducted Output Power	Compliance	A/B
§27.50(c)(10)	Equivalent Radiated Power (5G NR n71)	Compliance	A
§27.50(d)(4) §27.50(h)(2) §27.50(j)(3)	Equivalent Isotropically Radiated Power (5G NR n25,n41,n66,n77A)	Compliance	A/B
§2.1055 §27.54	Frequency Stability	See Note	A
§2.1049	Occupied Bandwidth	See Note	A
§2.1051 §27.53(g) §27.53(h) §27.53(l)(2) §27.53(m)(4)(6)	Band Edge Measurements	See Note	A
§2.1051 §27.53(g) §27.53(h) §27.53(l)(2) §27.53(m)(4)(6)	Conducted Spurious Emissions	See Note	A
§2.1053 §27.53(g) §27.53(h) §27.53(l)(2) §27.53(m)(4)(6)	Radiated Spurious Emissions	Compliance	B
§27.50(j)(4)	Peak-to-Average Ratio	See Note	A

NOTE: Please refer to the original report W7L-220214W001RF06.

***Test Lab Information Reference**

Lab A:

BV 7Layers Communications Technology (Shenzhen) Co., Ltd

Lab Address:

No.B102, Dazu Chuangxin Mansion, North of Beihuan Avenue, North Area, Hi-Tech Industrial Park, Nanshan District, Shenzhen, Guangdong, China

Accredited Test Lab Cert 3939.01

The FCC Site Registration No. : 525120; Designation No. : CN1171;

Lab B:

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

Lab Address:

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

Accredited Test Lab Cert 6613.01

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

1.1 MEASREMENT UNCERTAINTY

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

MEASUREMENT	UNCERTAINTY
Frequency Stability	±76.97Hz
Radiated emissions (9KHz~30MHz)	±2.68dB
Radiated emissions & Radiated Power (30MHz~1GHz)	±4.98dB
Radiated emissions & Radiated Power (1GHz ~6GHz)	±4.70dB
Radiated emissions (6GHz ~18GHz)	±4.60dB
Radiated emissions (18GHz ~40GHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Conducted Output power	±2.06dB
Band Edge Measurements	±4.70dB

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

1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
Pre-Amplifier	R&S	SCU18F1	100815	Aug.30,22	Aug.29,24
Pre-Amplifier	R&S	SCU08F1	101028	Sep.16,22	Sep.15,24
Vector Signal Generator	R&S	SMBV100B	102176	Feb.16,22	Feb.15,24
Signal Generator	R&S	SMB100A	182185	Feb.16,22	Feb.15,24
3m Fully-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-01Chamber	Nov.25,22	Nov.24,25
3m Semi-anechoic Chamber	TDK	9m*6m*6m	HRSW-SZ-EMC-02Chamber	Nov.25,22	Nov.24,25
EMI TEST Receiver	R&S	ESR26	101734	Feb.25,22	Feb.24,24
EMI TEST Receiver	R&S	ESW44	101973	Feb.25,22	Feb.24,24
Bilog Antenna	SCHWARZBECK	VULB 9163	1264	Feb.28,22	Feb.27,24
Horn Antenna	ETS-LINDGREN	3117	227836	Aug.22,22	Aug.21,24
Horn Antenna (18GHz-40GHz)	Steatite Q-par Antennas	QMS 00880	23486	Feb.23,22	Feb.22,24
Horn Antenna	Steatite Q-par Antennas	QMS 00208	23485	Aug.22,22	Aug.21,24
Loop Antenna	SCHWARZ	HFH2-Z2/Z2E	100976	Feb.23,22	Feb.22,24
WIDEBANDRADIO COMMUNICATION TESTER	R&S	CMW500	169399	Jun.27,22	Jun.26,24
Test Software	EMC32	EMC32	N/A	N/A	N/A
Test Software	ELEKTRA	ELEKTRA4.32	N/A	N/A	N/A
Open Switch and Control Unit	R&S	OSP220	101964	Oct.01,22	Sep.30,24
DC Source	HYELEC	HY3010B	551016	Aug.31,22	Aug.30,24
Hygrothermograph	DELI	20210528	SZ014	Sep.06,22	Sep.05,24
PC	LENOVO	E14	HRSW0024	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-7.00M	N/A	N/A	N/A
TMC-AMI18843A(CABLE)	R&S	HF290-NMNM-4.00M	N/A	N/A	N/A
CABLE	R&S	W13.02	N/A	Oct.31,22	Apr.29,23
CABLE	R&S	W12.14	N/A	Oct.31,22	Apr.29,23
CABLE	R&S	J12J103539-00-1	SEP-03-20-069	Oct.31,22	Apr.29,23
CABLE	R&S	J12J103539-00-1	SEP-03-20-070	Oct.31,22	Apr.29,23
Temperature Chamber	votsch	VT4002	58566078100050	May.31,22	May.30,24

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	FE5NA0010, FE5NA0011	
BRAND NAME	Continental	
MODEL NAME	FE5NA0010, FE5NA0011	
NOMINAL VOLTAGE	EUT 4.0V	
MODULATION TECHNOLOGY	**5G NR**	DFT-s-OFMA(Pi/2 BPSK,QPSK,16QAM,64QAM,256QAM); CP-OFMA(QPSK,16QAM,64QAM,256QAM);
SUPPORT ENDC COMBINE	**NR Band n25**	Only SA Mode
	NR Band n41	
	NR Band n71	
	NR Band n66	5A_n66
		12A_n66
		14A_n66
	NR Band n77	2A_n77A(3700-3980MHz)
		5A_n77A(3700-3980MHz)
		12A_n77A(3700-3980MHz)
		14A_n77A(3700-3980MHz)
		66A_n77A(3700-3980MHz)
FREQUENCY RANGE	**NR Band n25**	1852.50MHz ~ 1912.50MHz
	NR Band n41/n41 HPUE	2506.02MHz ~ 2679.99MHz
	NR Band n66	1712.5MHz ~ 1777.5MHz
	NR Band n71	665.5MHz ~ 695.5MHz
	NR Band n77A/n77A-HPUE	3710MHz ~ 3970MHz
EMISSION DESIGNATOR	**NR Band n25 Channel Bandwidth: 5MHz**	Pi/2BPSK: 4M51G7D
		QPSK: 4M47G7D
		16QAM: 4M49W7D
		64QAM: 4M48W7D
		256QAM: 4M49W7D

EMISSION DESIGNATOR	**NR Band n25 Channel Bandwidth: 10MHz**	Pi/2BPSK: 8M89G7D
		QPSK: 8M87G7D
		16QAM: 8M87W7D
		64QAM: 8M87W7D
		256QAM: 8M87W7D
	NR Band n25 Channel Bandwidth: 15MHz	Pi/2BPSK: 13M5G7D
		QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
		256QAM: 13M5W7D
	NR Band n25 Channel Bandwidth: 20MHz	Pi/2BPSK: 17M9G7D
		QPSK: 17M9G7D
		16QAM: 17M9W7D
		64QAM: 17M9W7D
		256QAM: 17M9W7D
	NR Band n41-HPUE Channel Bandwidth: 20MHz	Pi/2BPSK: 18M6G7D
		QPSK: 18M6G7D
		16QAM: 18M6W7D
		64QAM: 18M6W7D
		256QAM: 18M6W7D
	NR Band n41-HPUE Channel Bandwidth: 30MHz	Pi/2BPSK: 27M3G7D
		QPSK: 27M2G7D
		16QAM: 27M3W7D
		64QAM: 27M2W7D
		256QAM: 27M3W7D
	NR Band n41-HPUE Channel Bandwidth: 40MHz	Pi/2BPSK: 36M1G7D
		QPSK: 36M0G7D
		16QAM: 36M1W7D
		64QAM: 36M0W7D
		256QAM: 36M1W7D
	NR Band n41-HPUE Channel Bandwidth 50MHz	Pi/2BPSK: 45M9G7D
		QPSK: 46M1G7D
		16QAM: 46M1W7D
		64QAM: 46M0W7D
		256QAM: 46M0W7D
	NR Band n41-HPUE Channel Bandwidth 60MHz	Pi/2BPSK: 58M1G7D
		QPSK: 58M2G7D
		16QAM: 58M2W7D
		64QAM: 58M1W7D
		256QAM: 58M2W7D

EMISSION DESIGNATOR	**NR Band n41-HPUE Channel Bandwidth 80MHz**	Pi/2BPSK: 77M4G7D
		QPSK: 77M2G7D
		16QAM: 77M1W7D
		64QAM: 77M4W7D
		256QAM: 77M5W7D
	NR Band n41-HPUE Channel Bandwidth 90MHz	Pi/2BPSK: 85M7G7D
		QPSK: 85M8G7D
		16QAM: 85M6W7D
		64QAM: 85M6W7D
		256QAM: 85M7W7D
	NR Band n41-HPUE Channel Bandwidth 100MHz	Pi/2BPSK: 96M1G7D
		QPSK: 96M2G7D
		16QAM: 96M1W7D
		64QAM: 96M2W7D
		256QAM: 96M1W7D
	NR Band n66 Channel Bandwidth: 5MHz	Pi/2BPSK: 4M47G7D
		QPSK: 4M46G7D
		16QAM: 4M47W7D
		64QAM: 4M47W7D
		256QAM: 4M47W7D
	NR Band n66 Channel Bandwidth: 10MHz	Pi/2BPSK: 8M90G7D
		QPSK: 8M92G7D
		16QAM: 8M90W7D
		64QAM: 8M89W7D
		256QAM: 8M89W7D
	NR Band n66 Channel Bandwidth: 15MHz	Pi/2BPSK: 13M6G7D
		QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
		256QAM: 13M5W7D
	NR Band n66 Channel Bandwidth: 20MHz	Pi/2BPSK: 17M9G7D
		QPSK: 17M9G7D
		16QAM: 17M9W7D
		64QAM: 17M9W7D
		256QAM: 17M9W7D
	NR Band n66 Channel Bandwidth: 30MHz	Pi/2BPSK: 29M0G7D
		QPSK: 29M0G7D
		16QAM: 29M0W7D
		64QAM: 29M0W7D
		256QAM: 29M1W7D

EMISSION DESIGNATOR	**NR Band n66 Channel Bandwidth: 40MHz**	Pi/2BPSK: 38M8G7D
		QPSK: 38M9G7D
		16QAM: 38M9W7D
		64QAM: 38M9W7D
		256QAM: 38M8W7D
	NR Band n71 Channel Bandwidth: 5MHz	Pi/2BPSK: 4M50G7D
		QPSK: 4M52G7D
		16QAM: 4M52W7D
		64QAM: 4M52W7D
		256QAM: 4M50W7D
	NR Band n71 Channel Bandwidth: 10MHz	Pi/2BPSK: 8M94G7D
		QPSK: 8M95G7D
		16QAM: 8M94W7D
		64QAM: 8M94W7D
		256QAM: 8M93W7D
	NR Band n71 Channel Bandwidth: 15MHz	Pi/2BPSK: 13M5G7D
		QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
		256QAM: 13M5W7D
	NR Band n71 Channel Bandwidth: 20MHz	Pi/2BPSK: 18M4G7D
		QPSK: 18M4G7D
		16QAM: 18M4W7D
		64QAM: 18M4W7D
		256QAM: 18M4W7D
	NR Band 77-HPUE Channel Bandwidth: 20MHz	Pi/2BPSK: 17M8G7D
		QPSK: 17M9G7D
		16QAM: 17M9W7D
		64QAM: 17M9W7D
		256QAM: 17M8W7D
	NR Band 77-HPUE Channel Bandwidth: 30MHz	Pi/2BPSK: 26M9G7D
		QPSK: 26M7G7D
		16QAM: 26M7W7D
		64QAM: 26M6W7D
		256QAM: 26M8W7D
	NR Band 77-HPUE Channel Bandwidth: 40MHz	Pi/2BPSK: 36M2G7D
		QPSK: 36M0G7D
		16QAM: 36M2W7D
		64QAM: 36M0W7D
		256QAM: 35M8W7D

EMISSION DESIGNATOR	**NR Band 77-HPUE Channel Bandwidth: 50MHz**	Pi/2BPSK: 46M2G7D
		QPSK: 46M1G7D
		16QAM: 46M2W7D
		64QAM: 46M0W7D
		256QAM: 45M9W7D
	NR Band 77-HPUE Channel Bandwidth: 60MHz	Pi/2BPSK: 57M8G7D
		QPSK: 58M3G7D
		16QAM: 58M1W7D
		64QAM: 58M0W7D
		256QAM: 58M2W7D
	NR Band 77-HPUE Channel Bandwidth: 70MHz	Pi/2BPSK: 64M6G7D
		QPSK: 64M6G7D
		16QAM: 64M5W7D
		64QAM: 64M3W7D
		256QAM: 64M4W7D
	NR Band 77-HPUE Channel Bandwidth: 80MHz	Pi/2BPSK: 77M4G7D
		QPSK: 77M3G7D
		16QAM: 77M4W7D
		64QAM: 77M3W7D
		256QAM: 77M4W7D
	NR Band 77-HPUE Channel Bandwidth: 90MHz	Pi/2BPSK: 85M8G7D
		QPSK: 85M5G7D
		16QAM: 85M9W7D
		64QAM: 85M9W7D
		256QAM: 85M8W7D
	NR Band 77-HPUE Channel Bandwidth: 100MHz	Pi/2BPSK: 96M2G7D
		QPSK: 95M7G7D
		16QAM: 96M6W7D
		64QAM: 95M8W7D
		256QAM: 95M8W7D
MAX. EIRP POWER	**NR Band n25 Channel Bandwidth: 5MHz**	399.94mW
	NR Band n25 Channel Bandwidth: 10MHz	399.94mW
	NR Band n25 Channel Bandwidth: 15MHz	400.87mW

MAX. EIRP POWER	**NR Band n25 Channel Bandwidth: 20MHz**	401.79mW
	NR Band n41 Channel Bandwidth: 20MHz	353.18mW
	NR Band n41 Channel Bandwidth: 30MHz	355.63mW
	NR Band n41 Channel Bandwidth: 40MHz	353.18mW
	NR Band n41 Channel Bandwidth: 50MHz	358.92mW
	NR Band n41 Channel Bandwidth: 60MHz	355.63mW
	NR Band n41 Channel Bandwidth: 80MHz	358.92mW
	NR Band n41 Channel Bandwidth: 90MHz	358.10mW
	NR Band n41 Channel Bandwidth: 100MHz	359.75mW
	NR Band n41-HPUE Channel Bandwidth: 20MHz	647.14mW
	NR Band n41-HPUE Channel Bandwidth: 30MHz	645.65mW
	NR Band n41-HPUE Channel Bandwidth: 40MHz	648.63mW
	NR Band n41-HPUE Channel Bandwidth: 50MHz	650.13mW

MAX. EIRP POWER	NR Band n41-HPUE Channel Bandwidth: 60MHz	645.65mW
	NR Band n41-HPUE Channel Bandwidth: 80MHz	650.13mW
	NR Band n41-HPUE Channel Bandwidth: 90MHz	644.17mW
	NR Band n41-HPUE Channel Bandwidth: 100MHz	653.13mW
	NR Band n66 Channel Bandwidth: 5MHz	492.04mW
	NR Band n66 Channel Bandwidth: 10MHz	487.53mW
	NR Band n66 Channel Bandwidth: 15MHz	486.41mW
	NR Band n66 Channel Bandwidth: 20MHz	488.65mW
	NR Band n66 Channel Bandwidth: 30MHz	489.78mW
	NR Band n66 Channel Bandwidth: 40MHz	493.17mW
	NR Band n71 Channel Bandwidth: 5MHz	135.52mW
	NR Band n71 Channel Bandwidth: 10MHz	136.14mW
	NR Band n71 Channel Bandwidth: 15MHz	136.77mW

MAX. EIRP POWER	**NR Band n71 Channel Bandwidth: 20MHz**	137.72mW
	NR Band 77 Channel Bandwidth: 20MHz	348.34mW
	NR Band 77 Channel Bandwidth: 30MHz	348.34mW
	NR Band 77 Channel Bandwidth: 40MHz	348.34mW
	NR Band 77 Channel Bandwidth: 50MHz	345.94mW
	NR Band 77 Channel Bandwidth: 60MHz	348.34mW
	NR Band 77 Channel Bandwidth: 70MHz	348.34mW
	NR Band 77 Channel Bandwidth: 80MHz	345.94mW
	NR Band 77 Channel Bandwidth: 90MHz	344.35mW
	NR Band 77 Channel Bandwidth: 100MHz	349.95mW
	NR Band 77-HPUE Channel Bandwidth: 20MHz	683.91mW
	NR Band 77-HPUE Channel Bandwidth: 30MHz	679.20mW
	NR Band 77-HPUE Channel Bandwidth: 40MHz	685.49mW
	NR Band 77-HPUE Channel Bandwidth: 50MHz	676.08mW
	NR Band 77-HPUE Channel Bandwidth: 60MHz	679.20mW
	NR Band 77-HPUE Channel Bandwidth: 70MHz	683.91mW

MAX. EIRP POWER	**NR Band 77-HPUE Channel Bandwidth: 80MHz**	676.08mW
	NR Band 77-HPUE Channel Bandwidth: 90MHz	683.91mW
	NR Band 77-HPUE Channel Bandwidth: 100MHz	687.07mW
ANTENNA TYPE	Monopole Antenna with 4.84 dBi gain for NR Band n25 Monopole Antenna with 1.69 dBi gain for NR Band n41/n41C-HPUE Monopole Antenna with 3.09 dBi gain for NR Band n66 Monopole Antenna with 0.14 dBi gain for NR Band n71 Monopole Antenna with 1.5 dBi gain for NR Band n77A/n77A-HPUE	
HW VERSION	FE5NA0010	P4.1
	FE5NA0011	P4.2
SW VERSION	MODEMSA515M_LE2.1_01.14.39	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	N/A	
EXTREME TEMPERATURE	-40-85 ℃	
EXTREME VOLTAGE	EUT 3.8V - EUT 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 incorporate SISO and MIMO(N41&N77) function. Physically, the EUT provides one completed transmitter and one receiver.

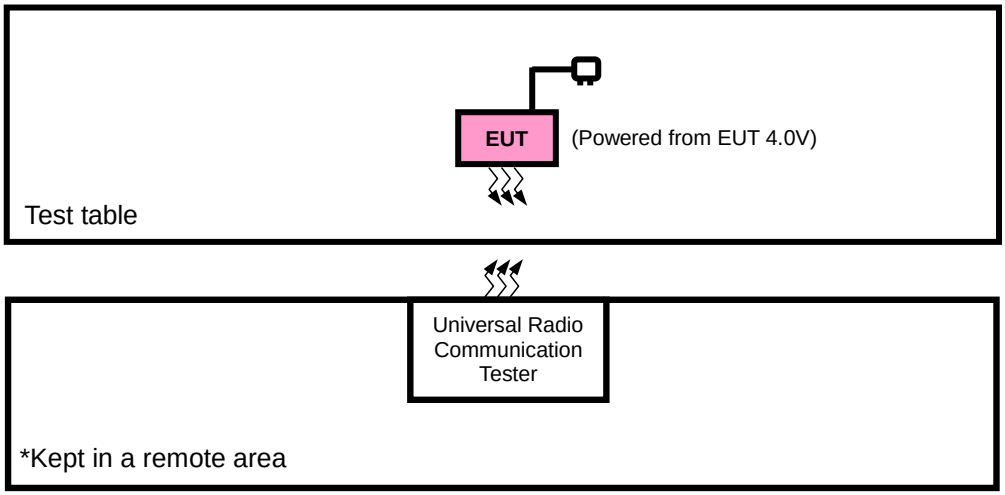
MODULATION MODE	TX FUNCTION
5G NR	2TX/4RX

3. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.
4. Max ERP/EIRP is according to Max conducted power calculate for SA.
5. The N41-HPUE&N77A-HPUE induced N41&N77A.
6. According to the information provided by the manufacturer, The difference between FE5NA0010, FE5NA0011 is as follows:

TA-code	L2/L5 GNSS	Band Difference
FE5NA0010	support	/
FE5NA0011	not support	BOM change: depopulated passive components from the GNSS RF front-end

2.2 CONFIGURATION OF SYSTEM UNDER TEST

FOR RADIATION EMISSION TEST



2.3 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC source	LONG WEI	PS-6403D	010934269	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	DC Line: Unshielded, Detachable 1.8m

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 + DC source + 5G NR link**

5G NR n41 (SA_n41_UL_MIMO)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	EIRP	501204 to 535998	501204 to 535998	Low, Middle, High	20MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		502200 to 534996	502200 to 534996	Low, Middle, High	30MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		503202 to 534000	503202 to 534000	Low, Middle, High	40MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		504200 to 532998	504200 to 532998	Low, Middle, High	50MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		505200 to 531996	505200 to 531996	Low, Middle, High	60MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		507204 to 529998	507204 to 529998	Low, Middle, High	80MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		508200 to 528996	508200 to 528996	Low, Middle, High	90MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		509202 to 528000	509202 to 528000	Low, Middle, High	100MHz	QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	RADIATED EMISSION	501204 to 535998	501204 to 535998	Low, Middle, High	20MHz	QPSK,	1RB/ 0RB Offset
		502200 to 534996	502200 to 534996	Middle	30MHz	QPSK,	1RB/ 0RB Offset
		503202 to 534000	503202 to 534000	Middle	40MHz	QPSK,	1RB/ 0RB Offset
		504200 to 532998	504200 to 532998	Middle	50MHz	QPSK,	1RB/ 0RB Offset
		505200 to 531996	505200 to 531996	Middle	60MHz	QPSK,	1RB/ 0RB Offset
		507204 to 529998	507204 to 529998	Middle	80MHz	QPSK,	1RB/ 0RB Offset
		508200 to 528996	508200 to 528996	Middle	90MHz	QPSK,	1RB/ 0RB Offset
		509202 to 528000	509202 to 528000	Middle	100MHz	QPSK,	1RB/ 0RB Offset

Note: 1. This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in Pi/2BPSK modulation.

2. The EIRP data presented in the report from worst SA n41.

5G NR n77A MODE (SA_n77A, DC_2A_n77A, DC_5A_n77A, DC_12A_n77A, DC_14A_n77A, DC_66A_n77A)

EUT CONFIGURE MODE	TEST ITEM	AVAILABLE CP-OFDM CHANNEL	AVAILABLE DFT-S-OFDM CHANNEL	TESTED CHANNEL	CHANNEL BANDWIDTH	MODULATION	MODE(DFT-S-OFDM) (INCLUDE CP-OFDM)
A	EIRP	647334 to 664666	647334 to 664666	Low, Middle, High	20MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		647668 to 664332	647668 to 664332	Low, Middle, High	30MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		648000 to 664000	648000 to 664000	Low, Middle, High	40MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		648334 to 663666	648334 to 663666	Low, Middle, High	50MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		648668 to 663332	648668 to 663332	Low, Middle, High	60MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		649000 to 663000	649000 to 663000	Low, Middle, High	70MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		649334 to 662666	649334 to 662666	Low, Middle, High	80MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		649668 to 662332	649668 to 662332	Low, Middle, High	90MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		650000 to 662000	650000 to 662000	Low, Middle, High	100MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	RADIATED EMISSION	647334 to 664666	647334 to 664666	LMiddle	20MHz	Pi/2BPSK	1RB/ 0RB Offset
		647668 to 664332	647668 to 664332	LMiddle	30MHz	Pi/2BPSK	1RB/ 0RB Offset
		648000 to 664000	648000 to 664000	LMiddle	40MHz	Pi/2BPSK	1RB/ 0RB Offset
		648334 to 663666	648334 to 663666	LMiddle	50MHz	Pi/2BPSK	1RB/ 0RB Offset
		648668 to 663332	648668 to 663332	LMiddle	60MHz	Pi/2BPSK	1RB/ 0RB Offset
		649000 to 663000	649000 to 663000	Low, Middle, High	70MHz	Pi/2BPSK	1RB/ 0RB Offset
		649334 to 662666	649334 to 662666	LMiddle	80MHz	Pi/2BPSK	1RB/ 0RB Offset
		649668 to 662332	649668 to 662332	LMiddle	90MHz	Pi/2BPSK	1RB/ 0RB Offset
		650000 to 662000	650000 to 662000	LMiddle	100MHz	Pi/2BPSK	1RB/ 0RB Offset

Note: 1.This device was tested under all bandwidths, RB configurations and modulations. The worst case was found in Pi/2BPSK modulation.

2. The EIRP data presented in the report from worst SA_n77A

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	23deg. C, 70%RH	EUT 4.0V	Jace Hu
RADIATED EMISSION	23deg. C, 70%RH	EUT 4.0V	Jace Hu

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.”

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(b)(10) and 27.50(c)(10) Fixed, mobile, and Portable stations (hand-held devices) transmitting in the 698-746 MHz, 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP

According to the specific rule Part 27.50(j)(4) ,Mobile and portable stations are limited to 1 Watt EIRP. Mobile and portable stations operating in 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:

ERP or EIRP = $P_{Meas} + G_T – L_C$

Where:

ERP or EIRP = effective radiated power or equivalent isotropically radiated power, respectively

(expressed in the same units as P_{Meas}, typically dBW or dBm);

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

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

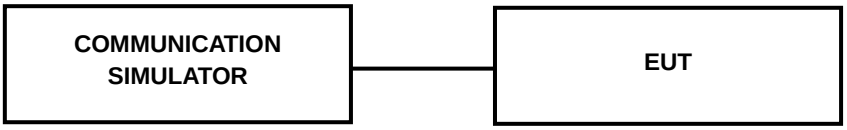
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

CONDUCTED POWER MEASUREMENT:

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

3.1.3 TEST SETUP

CONDUCTED POWER MEASUREMENT:



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

3.1.4 TEST RESULTS

AVERAGE CONDUCTED OUTPUT POWER (dBm)

5G SA:

N41

BW	MCS Index	RB	RB Size	RB Offset	Low CH 501204	Mid CH 518598	High CH 535998
					Frequency 2506.02MHz	Frequency 2592.99MHz	Frequency 2679.99MHz
20M	CP-OFDM QPSK	Outer	1	0	20.70	20.60	20.50
			1	50	20.26	20.49	20.31
			2	0	20.73	20.66	20.59
			2	49	20.26	20.56	20.34
			51	0	20.50	20.71	20.46
		Inner	1	1	22.14	22.05	22.06
			1	49	21.76	22.10	21.78
			25	12	21.98	21.99	22.06
	CP-OFDM 16QAM	Outer	1	0	20.69	20.83	20.68
			1	50	20.26	20.66	20.53
			2	0	20.66	20.57	20.50
			2	49	20.07	20.57	20.26
			51	0	20.42	20.48	20.59
		Inner	1	1	21.77	21.56	21.42
			1	49	21.24	21.57	21.40
			25	12	21.43	21.43	21.45
	CP-OFDM 64QAM	Outer	1	0	19.89	20.10	19.97
			1	50	19.64	19.97	19.58
			2	0	19.94	20.04	19.96
			2	49	19.56	19.99	19.60
			51	0	20.05	20.08	20.09
		Inner	1	1	20.02	19.97	19.89
			1	49	19.59	19.82	19.77
			25	12	19.95	19.91	20.11
	CP-OFDM 256QAM	Outer	1	0	17.04	17.08	16.95
			1	50	16.51	17.13	16.77
			2	0	17.11	17.16	17.12
			2	49	16.62	17.09	16.73
			51	0	16.90	17.02	17.18
		Inner	1	1	16.99	17.12	16.90
			1	49	16.66	16.83	16.75
			25	12	16.92	16.98	16.90

BW	MCS Index	RB	RB Size	RB Offset	Low CH 502200	Mid CH 518598	High CH 534996
					Frequency 2511MHz	Frequency 2592.99MHz	Frequency 2674.98MHz
30M	CP-OFDM QPSK	Outer	1	0	20.71	20.64	20.58
			1	77	20.30	20.52	20.37
			2	0	20.75	20.67	20.63
			2	76	20.32	20.61	20.35
			78	0	20.51	20.73	20.51
		Inner	1	1	22.22	22.12	22.08
			1	76	21.77	22.14	21.81
			39	19	22.01	22.00	22.12
	CP-OFDM 16QAM	Outer	1	0	20.73	20.88	20.70
			1	77	20.32	20.68	20.56
			2	0	20.68	20.65	20.51
			2	76	20.15	20.61	20.31
			78	0	20.45	20.54	20.61
		Inner	1	1	21.78	21.61	21.50
			1	76	21.30	21.60	21.44
			39	19	21.45	21.50	21.50
	CP-OFDM 64QAM	Outer	1	0	19.95	20.18	19.99
			1	77	19.65	19.99	19.66
			2	0	20.01	20.12	20.02
			2	76	19.58	20.00	19.64
			78	0	20.07	20.16	20.10
		Inner	1	1	20.07	20.04	19.94
			1	76	19.61	19.90	19.79
			39	19	20.00	19.99	20.12
	CP-OFDM 256QAM	Outer	1	0	17.08	17.13	17.00
			1	77	16.59	17.14	16.82
			2	0	17.15	17.21	17.13
			2	76	16.68	17.11	16.78
			78	0	16.97	17.07	17.20
		Inner	1	1	17.07	17.14	16.95
			1	76	16.68	16.91	16.77
			39	19	17.00	17.04	16.98

BW	MCS Index	RB	RB Size	RB Offset	Low CH 503202	Mid CH 518598	High CH 534000
					Frequency 2516.01MHz	Frequency 2592.99MHz	Frequency 2670MHz
40M	CP-OFDM QPSK	Outer	1	0	20.68	20.67	20.58
			1	105	20.30	20.52	20.38
			2	0	20.72	20.71	20.59
			2	104	20.33	20.60	20.38
			106	0	20.57	20.67	20.51
		Inner	1	1	22.20	22.09	22.07
			1	104	21.82	22.14	21.78
			53	26	22.01	21.97	22.08
	CP-OFDM 16QAM	Outer	1	0	20.78	20.84	20.73
			1	105	20.32	20.69	20.53
			2	0	20.70	20.63	20.57
			2	104	20.19	20.55	20.36
			106	0	20.44	20.55	20.58
		Inner	1	1	21.82	21.60	21.54
			1	104	21.29	21.61	21.41
			53	26	21.50	21.46	21.54
	CP-OFDM 64QAM	Outer	1	0	20.01	20.12	19.96
			1	105	19.63	19.96	19.72
			2	0	20.08	20.11	19.96
			2	104	19.57	19.97	19.66
			106	0	20.12	20.12	20.11
		Inner	1	1	20.04	20.07	19.94
			1	104	19.61	19.90	19.80
			53	26	19.97	20.03	20.08
	CP-OFDM 256QAM	Outer	1	0	17.09	17.12	17.03
			1	105	16.65	17.08	16.82
			2	0	17.13	17.18	17.12
			2	104	16.73	17.11	16.75
			106	0	16.97	17.04	17.16
		Inner	1	1	17.12	17.10	16.98
			1	104	16.68	16.92	16.74
			53	26	17.02	17.02	17.04

BW	MCS Index	RB	RB Size	RB Offset	Low CH 504204	Mid CH 518598	High CH 532998
					Frequency 2521.02MHz	Frequency 2592.99MHz	Frequency 2664.99MHz
50M	CP-OFDM QPSK	Outer	1	0	20.75	20.67	20.55
			1	132	20.28	20.57	20.33
			2	0	20.78	20.74	20.60
			2	131	20.30	20.61	20.39
			133	0	20.58	20.72	20.51
		Inner	1	1	22.18	22.10	22.07
			1	131	21.82	22.12	21.83
			67	33	22.05	22.04	22.08
	CP-OFDM 16QAM	Outer	1	0	20.77	20.85	20.73
			1	132	20.28	20.74	20.55
			2	0	20.74	20.63	20.58
			2	131	20.13	20.59	20.32
			133	0	20.49	20.53	20.61
		Inner	1	1	21.83	21.63	21.47
			1	131	21.31	21.62	21.42
			67	33	21.51	21.45	21.51
	CP-OFDM 64QAM	Outer	1	0	19.97	20.11	19.99
			1	132	19.68	20.02	19.66
			2	0	20.02	20.05	19.98
			2	131	19.60	20.04	19.68
			133	0	20.11	20.10	20.12
		Inner	1	1	20.11	20.07	19.91
			1	131	19.59	19.95	19.75
			67	33	20.03	20.06	20.09
	CP-OFDM 256QAM	Outer	1	0	17.06	17.13	17.04
			1	132	16.66	17.13	16.82
			2	0	17.11	17.19	17.12
			2	131	16.73	17.09	16.80
			133	0	17.01	17.11	17.16
		Inner	1	1	17.11	17.11	16.98
			1	131	16.64	16.97	16.76
			67	33	17.06	17.02	17.05

BW	MCS Index	RB	RB Size	RB Offset	Low CH 505200	Mid CH 518598	High CH 531996
					Frequency 2526MHz	Frequency 2592.99MHz	Frequency 2659.98MHz
60M	CP-OFDM QPSK	Outer	1	0	20.76	20.71	20.63
			1	161	20.32	20.60	20.39
			2	0	20.80	20.75	20.64
			2	160	20.36	20.66	20.40
			162	0	20.59	20.74	20.56
		Inner	1	1	22.26	22.17	22.09
			1	160	21.83	22.16	21.86
			81	40	22.08	22.05	22.14
	CP-OFDM 16QAM	Outer	1	0	20.81	20.90	20.75
			1	161	20.34	20.76	20.58
			2	0	20.76	20.71	20.59
			2	160	20.21	20.63	20.37
			162	0	20.52	20.59	20.63
		Inner	1	1	21.84	21.68	21.55
			1	160	21.37	21.65	21.46
			81	40	21.53	21.52	21.56
	CP-OFDM 64QAM	Outer	1	0	20.03	20.19	20.01
			1	161	19.69	20.04	19.74
			2	0	20.09	20.13	20.04
			2	160	19.62	20.05	19.72
			162	0	20.13	20.18	20.13
		Inner	1	1	20.12	20.11	19.99
			1	160	19.63	19.98	19.81
			81	40	20.05	20.07	20.13
	CP-OFDM 256QAM	Outer	1	0	17.12	17.18	17.05
			1	161	16.67	17.15	16.87
			2	0	17.19	17.26	17.14
			2	160	16.74	17.13	16.83
			162	0	17.04	17.12	17.22
		Inner	1	1	17.15	17.16	17.00
			1	160	16.70	16.99	16.79
			81	40	17.08	17.10	17.06

BW	MCS Index	RB	RB Size	RB Offset	Low CH 507204	Mid CH 518598	High CH 529998
					Frequency 2536.02MHz	Frequency 2592.99MHz	Frequency 2649.99MHz
80M	CP-OFDM QPSK	Outer	1	0	20.73	20.74	20.63
			1	216	20.32	20.60	20.40
			2	0	20.77	20.79	20.60
			2	215	20.37	20.65	20.43
			217	0	20.65	20.68	20.56
		Inner	1	1	22.24	22.14	22.08
			1	215	21.88	22.16	21.83
			109	54	22.08	22.02	22.10
	CP-OFDM 16QAM	Outer	1	0	20.86	20.86	20.78
			1	216	20.34	20.77	20.55
			2	0	20.78	20.69	20.65
			2	215	20.25	20.57	20.42
			217	0	20.51	20.60	20.60
		Inner	1	1	21.88	21.67	21.59
			1	215	21.36	21.66	21.43
			109	54	21.58	21.48	21.60
	CP-OFDM 64QAM	Outer	1	0	20.09	20.13	19.98
			1	216	19.67	20.01	19.80
			2	0	20.16	20.12	19.98
			2	215	19.61	20.02	19.74
			217	0	20.18	20.14	20.14
		Inner	1	1	20.09	20.14	19.99
			1	215	19.63	19.98	19.82
			109	54	20.02	20.11	20.09
	CP-OFDM 256QAM	Outer	1	0	17.13	17.17	17.08
			1	216	16.73	17.09	16.87
			2	0	17.17	17.23	17.13
			2	215	16.79	17.13	16.80
			217	0	17.04	17.09	17.18
		Inner	1	1	17.20	17.12	17.03
			1	215	16.70	17.00	16.76
			109	54	17.10	17.08	17.12

BW	MCS Index	RB	RB Size	RB Offset	Low CH 508200	Mid CH 518598	High CH 528996
					Frequency 2541MHz	Frequency 2592.99MHz	Frequency 2644.98MHz
90M	CP-OFDM QPSK	Outer	1	0	20.80	20.74	20.60
			1	244	20.30	20.65	20.35
			2	0	20.83	20.82	20.61
			2	243	20.34	20.66	20.44
			245	0	20.66	20.73	20.56
		Inner	1	1	22.22	22.15	22.08
			1	243	21.88	22.14	21.88
			123	61	22.12	22.09	22.10
	CP-OFDM 16QAM	Outer	1	0	20.85	20.87	20.78
			1	244	20.30	20.82	20.57
			2	0	20.82	20.69	20.66
			2	243	20.19	20.61	20.38
			245	0	20.56	20.58	20.63
		Inner	1	1	21.89	21.70	21.52
			1	243	21.38	21.67	21.44
			123	61	21.59	21.47	21.57
	CP-OFDM 64QAM	Outer	1	0	20.05	20.12	20.01
			1	244	19.72	20.07	19.74
			2	0	20.10	20.06	20.00
			2	243	19.64	20.09	19.76
			245	0	20.17	20.12	20.15
		Inner	1	1	20.16	20.14	19.96
			1	243	19.61	20.03	19.77
			123	61	20.08	20.14	20.10
	CP-OFDM 256QAM	Outer	1	0	17.10	17.18	17.09
			1	244	16.74	17.14	16.87
			2	0	17.15	17.24	17.13
			2	243	16.79	17.11	16.85
			245	0	17.08	17.16	17.18
		Inner	1	1	17.19	17.13	17.03
			1	243	16.66	17.05	16.78
			123	61	17.14	17.08	17.13

BW	MCS Index	RB	RB Size	RB Offset	Low CH 509202	Mid CH 518598	High CH 528000
					Frequency 2546.01MHz	Frequency 2592.99MHz	Frequency 2640MHz
100M	CP-OFDM QPSK	Outer	1	0	20.81	20.78	20.68
			1	272	20.34	20.68	20.41
			2	0	20.85	20.83	20.65
			2	271	20.40	20.71	20.45
			273	0	20.67	20.75	20.61
		Inner	1	1	22.30	22.22	22.10
			1	271	21.89	22.18	21.91
			137	68	22.15	22.10	22.16
	CP-OFDM 16QAM	Outer	1	0	20.89	20.92	20.80
			1	272	20.36	20.84	20.60
			2	0	20.84	20.77	20.67
			2	271	20.27	20.65	20.43
			273	0	20.59	20.64	20.65
		Inner	1	1	21.90	21.75	21.60
			1	271	21.44	21.70	21.48
			137	68	21.61	21.54	21.62
	CP-OFDM 64QAM	Outer	1	0	20.11	20.20	20.03
			1	272	19.73	20.09	19.82
			2	0	20.17	20.14	20.06
			2	271	19.66	20.10	19.80
			273	0	20.19	20.20	20.16
		Inner	1	1	20.17	20.18	20.04
			1	271	19.65	20.06	19.83
			137	68	20.10	20.15	20.14
	CP-OFDM 256QAM	Outer	1	0	17.16	17.23	17.10
			1	272	16.75	17.16	16.92
			2	0	17.23	17.31	17.15
			2	271	16.80	17.15	16.88
			273	0	17.11	17.17	17.24
		Inner	1	1	17.23	17.18	17.05
			1	271	16.72	17.07	16.81
			137	68	17.16	17.16	17.14

N77A(3700-3980MHz)

BW	MCS Index	RB	RB Size	RB Offset	Low CH 647334	Mid CH 656000	High CH 664666
					Frequency 3710MHz	Frequency 3840MHz	Frequency 3970MHz
20M	CP-OFDM QPSK	Outer	1	0	19.68	19.22	19.25
			1	50	19.60	19.45	19.23
			2	0	19.74	19.28	19.35
			2	49	19.63	19.51	19.37
			51	0	19.65	19.96	19.87
		Inner	1	1	21.11	21.32	21.39
			1	49	21.14	21.40	21.19
			25	12	21.04	21.46	21.38
	CP-OFDM 16QAM	Outer	1	0	19.72	19.25	19.40
			1	50	19.71	19.49	19.38
			2	0	19.74	19.25	19.45
			2	49	19.70	19.49	19.40
			51	0	19.64	19.80	19.87
		Inner	1	1	20.82	20.76	20.91
			1	49	20.73	21.01	20.79
			25	12	20.59	20.87	20.89
	CP-OFDM 64QAM	Outer	1	0	19.13	19.12	19.32
			1	50	19.13	19.46	19.18
			2	0	19.14	19.14	19.33
			2	49	19.12	19.45	19.28
			51	0	19.20	19.33	19.45
		Inner	1	1	19.14	19.20	19.24
			1	49	19.09	19.38	19.23
			25	12	19.07	19.43	19.39
	CP-OFDM 256QAM	Outer	1	0	15.97	15.99	16.17
			1	50	16.05	16.39	16.12
			2	0	15.90	16.05	16.24
			2	49	16.08	16.35	16.16
			51	0	16.00	16.47	16.34
		Inner	1	1	16.01	16.01	16.19
			1	49	16.04	16.28	16.16
			25	12	16.02	16.40	16.46

BW	MCS Index	RB	RB Size	RB Offset	Low CH 647668	Mid CH 656000	High CH 664332
					Frequency 3715MHz	Frequency 3840MHz	Frequency 3965MHz
30M	CP-OFDM QPSK	Outer	1	0	19.69	19.17	19.26
			1	77	19.65	19.42	19.23
			2	0	19.75	19.27	19.39
			2	76	19.66	19.51	19.34
			78	0	19.65	19.97	19.88
		Inner	1	1	21.15	21.28	21.40
			1	76	21.12	21.43	21.22
			39	19	21.05	21.42	21.38
	CP-OFDM 16QAM	Outer	1	0	19.69	19.28	19.39
			1	77	19.71	19.49	19.37
			2	0	19.74	19.23	19.42
			2	76	19.67	19.53	19.36
			78	0	19.59	19.82	19.90
		Inner	1	1	20.82	20.77	20.88
			1	76	20.67	20.98	20.85
			39	19	20.56	20.93	20.89
	CP-OFDM 64QAM	Outer	1	0	19.06	19.17	19.32
			1	77	19.14	19.43	19.17
			2	0	19.08	19.21	19.32
			2	76	19.16	19.44	19.25
			78	0	19.16	19.39	19.43
		Inner	1	1	19.15	19.15	19.25
			1	76	19.14	19.35	19.23
			39	19	19.08	19.42	19.43
	CP-OFDM 256QAM	Outer	1	0	16.00	15.99	16.14
			1	77	16.05	16.40	16.13
			2	0	15.94	16.01	16.25
			2	76	16.06	16.38	16.19
			78	0	16.01	16.43	16.34
		Inner	1	1	15.98	16.04	16.18
			1	76	16.04	16.28	16.15
			39	19	16.02	16.38	16.43

BW	MCS Index	RB	RB Size	RB Offset	Low CH 648000	Mid CH 656000	High CH 664000
					Frequency 3720MHz	Frequency 3840MHz	Frequency 3960MHz
40M	CP-OFDM QPSK	Outer	1	0	19.66	19.20	19.26
			1	105	19.65	19.42	19.24
			2	0	19.72	19.31	19.35
			2	104	19.67	19.50	19.37
			106	0	19.71	19.91	19.88
		Inner	1	1	21.13	21.25	21.39
			1	104	21.17	21.43	21.19
			53	26	21.05	21.39	21.34
	CP-OFDM 16QAM	Outer	1	0	19.74	19.24	19.42
			1	105	19.71	19.50	19.34
			2	0	19.76	19.21	19.48
			2	104	19.71	19.47	19.41
			106	0	19.58	19.83	19.87
		Inner	1	1	20.86	20.76	20.92
			1	104	20.66	20.99	20.82
			53	26	20.61	20.89	20.93
	CP-OFDM 64QAM	Outer	1	0	19.12	19.11	19.29
			1	105	19.12	19.40	19.23
			2	0	19.15	19.20	19.26
			2	104	19.15	19.41	19.27
			106	0	19.21	19.35	19.44
		Inner	1	1	19.12	19.18	19.25
			1	104	19.14	19.35	19.24
			53	26	19.05	19.46	19.39
	CP-OFDM 256QAM	Outer	1	0	16.01	15.98	16.17
			1	105	16.11	16.34	16.13
			2	0	15.92	15.98	16.24
			2	104	16.11	16.38	16.16
			106	0	16.01	16.40	16.30
		Inner	1	1	16.03	16.00	16.21
			1	104	16.04	16.29	16.12
			53	26	16.04	16.36	16.49

BW	MCS Index	RB	RB Size	RB Offset	Low CH 648334	Mid CH 656000	High CH 663666
					Frequency 3725MHz	Frequency 3840MHz	Frequency 3955MHz
50M	CP-OFDM QPSK	Outer	1	0	19.73	19.20	19.23
			1	132	19.63	19.47	19.19
			2	0	19.78	19.34	19.36
			2	131	19.64	19.51	19.38
			133	0	19.72	19.96	19.88
		Inner	1	1	21.11	21.26	21.39
			1	131	21.17	21.41	21.24
			67	33	21.09	21.46	21.34
	CP-OFDM 16QAM	Outer	1	0	19.73	19.25	19.42
			1	132	19.67	19.55	19.36
			2	0	19.80	19.21	19.49
			2	131	19.65	19.51	19.37
			133	0	19.63	19.81	19.90
		Inner	1	1	20.87	20.79	20.85
			1	131	20.68	21.00	20.83
			67	33	20.62	20.88	20.90
	CP-OFDM 64QAM	Outer	1	0	19.08	19.10	19.32
			1	132	19.17	19.46	19.17
			2	0	19.09	19.14	19.28
			2	131	19.18	19.48	19.29
			133	0	19.20	19.33	19.45
		Inner	1	1	19.19	19.18	19.22
			1	131	19.12	19.40	19.19
			67	33	19.11	19.49	19.40
	CP-OFDM 256QAM	Outer	1	0	15.98	15.99	16.18
			1	132	16.12	16.39	16.13
			2	0	15.90	15.99	16.24
			2	131	16.11	16.36	16.21
			133	0	16.05	16.47	16.30
		Inner	1	1	16.02	16.01	16.21
			1	131	16.00	16.34	16.14
			67	33	16.08	16.36	16.50

BW	MCS Index	RB	RB Size	RB Offset	Low CH 648668	Mid CH 656000	High CH 663332
					Frequency 3730MHz	Frequency 3840MHz	Frequency 3950MHz
60M	CP-OFDM QPSK	Outer	1	0	19.69	19.26	19.33
			1	161	19.64	19.48	19.29
			2	0	19.76	19.29	19.39
			2	160	19.69	19.56	19.38
			162	0	19.66	19.98	19.92
		Inner	1	1	21.19	21.39	21.41
			1	160	21.15	21.44	21.22
			81	40	21.07	21.47	21.44
	CP-OFDM 16QAM	Outer	1	0	19.76	19.30	19.42
			1	161	19.77	19.51	19.41
			2	0	19.76	19.33	19.46
			2	160	19.78	19.53	19.45
			162	0	19.67	19.86	19.89
		Inner	1	1	20.83	20.81	20.99
			1	160	20.79	21.04	20.83
			81	40	20.61	20.94	20.94
	CP-OFDM 64QAM	Outer	1	0	19.19	19.20	19.34
			1	161	19.14	19.48	19.26
			2	0	19.21	19.22	19.39
			2	160	19.14	19.46	19.32
			162	0	19.22	19.41	19.46
		Inner	1	1	19.15	19.24	19.32
			1	160	19.13	19.41	19.29
			81	40	19.09	19.44	19.43
	CP-OFDM 256QAM	Outer	1	0	16.03	16.04	16.18
			1	161	16.06	16.41	16.17
			2	0	15.98	16.12	16.26
			2	160	16.09	16.39	16.19
			162	0	16.03	16.48	16.40
		Inner	1	1	16.05	16.06	16.21
			1	160	16.10	16.30	16.19
			81	40	16.04	16.48	16.47

BW	MCS Index	RB	RB Size	RB Offset	Low CH 649000	Mid CH 656000	High CH 663000
					Frequency 3735MHz	Frequency 3840MHz	Frequency 3945MHz
70M	CP-OFDM QPSK	Outer	1	0	19.70	19.21	19.34
			1	188	19.69	19.45	19.29
			2	0	19.77	19.28	19.43
			2	187	19.72	19.56	19.35
			189	0	19.66	19.99	19.93
		Inner	1	1	21.23	21.35	21.42
			1	187	21.13	21.47	21.25
			95	47	21.08	21.43	21.44
	CP-OFDM 16QAM	Outer	1	0	19.73	19.33	19.41
			1	188	19.77	19.51	19.40
			2	0	19.76	19.31	19.43
			2	187	19.75	19.57	19.41
			189	0	19.62	19.88	19.92
		Inner	1	1	20.83	20.82	20.96
			1	187	20.73	21.01	20.89
			95	47	20.58	21.00	20.94
	CP-OFDM 64QAM	Outer	1	0	19.12	19.25	19.34
			1	188	19.15	19.45	19.25
			2	0	19.15	19.29	19.38
			2	187	19.18	19.45	19.29
			189	0	19.18	19.47	19.44
		Inner	1	1	19.16	19.19	19.33
			1	187	19.18	19.38	19.29
			95	47	19.10	19.43	19.47
	CP-OFDM 256QAM	Outer	1	0	16.06	16.04	16.15
			1	188	16.06	16.42	16.18
			2	0	16.02	16.08	16.27
			2	187	16.07	16.42	16.22
			189	0	16.04	16.44	16.40
		Inner	1	1	16.02	16.09	16.20
			1	187	16.10	16.30	16.18
			95	47	16.04	16.46	16.44

BW	MCS Index	RB	RB Size	RB Offset	Low CH 649334	Mid CH 656000	High CH 662666
					Frequency 3740MHz	Frequency 3840MHz	Frequency 3940MHz
80M	CP-OFDM QPSK	Outer	1	0	19.67	19.24	19.34
			1	216	19.69	19.45	19.30
			2	0	19.74	19.32	19.39
			2	215	19.73	19.55	19.38
			217	0	19.72	19.93	19.93
		Inner	1	1	21.21	21.32	21.41
			1	215	21.18	21.47	21.22
			109	54	21.08	21.40	21.40
	CP-OFDM 16QAM	Outer	1	0	19.78	19.29	19.44
			1	216	19.77	19.52	19.37
			2	0	19.78	19.29	19.49
			2	215	19.79	19.51	19.46
			217	0	19.61	19.89	19.89
		Inner	1	1	20.87	20.81	21.00
			1	215	20.72	21.02	20.86
			109	54	20.63	20.96	20.98
	CP-OFDM 64QAM	Outer	1	0	19.18	19.19	19.31
			1	216	19.13	19.42	19.31
			2	0	19.22	19.28	19.32
			2	215	19.17	19.42	19.31
			217	0	19.23	19.43	19.45
		Inner	1	1	19.13	19.22	19.33
			1	215	19.18	19.38	19.30
			109	54	19.07	19.47	19.43
	CP-OFDM 256QAM	Outer	1	0	16.07	16.03	16.18
			1	216	16.12	16.36	16.18
			2	0	16.00	16.05	16.26
			2	215	16.12	16.42	16.19
			217	0	16.04	16.41	16.36
		Inner	1	1	16.07	16.05	16.23
			1	215	16.10	16.31	16.15
			109	54	16.06	16.44	16.50

BW	MCS Index	RB	RB Size	RB Offset	Low CH 649668	Mid CH 656000	High CH 662332
					Frequency 3745MHz	Frequency 3840MHz	Frequency 3935MHz
90M	CP-OFDM QPSK	Outer	1	0	19.74	19.24	19.31
			1	244	19.67	19.50	19.25
			2	0	19.80	19.35	19.40
			2	243	19.70	19.56	19.39
			245	0	19.73	19.98	19.93
		Inner	1	1	21.19	21.33	21.41
			1	243	21.18	21.45	21.27
			123	61	21.12	21.47	21.40
	CP-OFDM 16QAM	Outer	1	0	19.77	19.30	19.44
			1	244	19.73	19.57	19.39
			2	0	19.82	19.29	19.50
			2	243	19.73	19.55	19.42
			245	0	19.66	19.87	19.92
		Inner	1	1	20.88	20.84	20.93
			1	243	20.74	21.03	20.87
			123	61	20.64	20.95	20.95
	CP-OFDM 64QAM	Outer	1	0	19.14	19.18	19.34
			1	244	19.18	19.48	19.25
			2	0	19.16	19.22	19.34
			2	243	19.20	19.49	19.33
			245	0	19.22	19.41	19.46
		Inner	1	1	19.20	19.22	19.30
			1	243	19.16	19.43	19.25
			123	61	19.13	19.50	19.44
	CP-OFDM 256QAM	Outer	1	0	16.04	16.04	16.19
			1	244	16.13	16.41	16.18
			2	0	15.98	16.06	16.26
			2	243	16.12	16.40	16.24
			245	0	16.08	16.48	16.36
		Inner	1	1	16.06	16.06	16.23
			1	243	16.06	16.36	16.17
			123	61	16.10	16.44	16.51

BW	MCS Index	RB	RB Size	RB Offset	Low CH 650000	Mid CH 656000	High CH 662000
					Frequency 3750MHz	Frequency 3840MHz	Frequency 3930MHz
100M	CP-OFDM QPSK	Outer	1	0	19.75	19.28	19.39
			1	272	19.71	19.53	19.31
			2	0	19.82	19.36	19.44
			2	271	19.76	19.61	19.40
			273	0	19.74	20.00	19.98
		Inner	1	1	21.27	21.40	21.43
			1	271	21.19	21.49	21.30
			137	68	21.15	21.48	21.46
	CP-OFDM 16QAM	Outer	1	0	19.81	19.35	19.46
			1	272	19.79	19.59	19.42
			2	0	19.84	19.37	19.51
			2	271	19.81	19.59	19.47
			273	0	19.69	19.93	19.94
		Inner	1	1	20.89	20.89	21.01
			1	271	20.80	21.06	20.91
			137	68	20.66	21.02	21.00
	CP-OFDM 64QAM	Outer	1	0	19.20	19.26	19.36
			1	272	19.19	19.50	19.33
			2	0	19.23	19.30	19.40
			2	271	19.22	19.50	19.37
			273	0	19.24	19.49	19.47
		Inner	1	1	19.21	19.26	19.38
			1	271	19.20	19.46	19.31
			137	68	19.15	19.51	19.48
	CP-OFDM 256QAM	Outer	1	0	16.10	16.09	16.20
			1	272	16.14	16.43	16.23
			2	0	16.06	16.13	16.28
			2	271	16.13	16.44	16.27
			273	0	16.11	16.49	16.42
		Inner	1	1	16.10	16.11	16.25
			1	271	16.12	16.38	16.20
			137	68	16.12	16.52	16.52

EIRP

N41

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
501204	2506.02	22.14	1.69	23.83	241.55	2
518598	2592.99	22.1	1.69	23.79	239.33	2
535998	2679.99	22.06	1.69	23.75	237.14	2

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
501204	2506.02	21.77	1.69	23.46	221.82	2
518598	2592.99	21.57	1.69	23.26	211.84	2
535998	2679.99	21.45	1.69	23.14	206.06	2

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
501204	2506.02	20.05	1.69	21.74	149.28	2
518598	2592.99	20.1	1.69	21.79	151.01	2
535998	2679.99	20.11	1.69	21.8	151.36	2

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
501204	2506.02	17.11	1.69	18.8	75.86	2
518598	2592.99	17.16	1.69	18.85	76.74	2
535998	2679.99	17.18	1.69	18.87	77.09	2

CHANNEL BANDWIDTH: 30MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
502200	2511	22.22	1.69	23.91	246.04	2
518598	2592.99	22.14	1.69	23.83	241.55	2
534996	2674.98	22.12	1.69	23.81	240.44	2

CHANNEL BANDWIDTH: 30MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
502200	2511	21.78	1.69	23.47	222.33	2
518598	2592.99	21.61	1.69	23.3	213.8	2
534996	2674.98	21.5	1.69	23.19	208.45	2

CHANNEL BANDWIDTH: 30MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
502200	2511	20.07	1.69	21.76	149.97	2
518598	2592.99	20.18	1.69	21.87	153.82	2
534996	2674.98	20.12	1.69	21.81	151.71	2

CHANNEL BANDWIDTH: 30MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
502200	2511	17.15	1.69	18.84	76.56	2
518598	2592.99	17.21	1.69	18.9	77.62	2
534996	2674.98	17.2	1.69	18.89	77.45	2

CHANNEL BANDWIDTH: 40MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
503202	2516.01	22.2	1.69	23.89	244.91	2
518598	2592.99	22.14	1.69	23.83	241.55	2
534000	2670	22.08	1.69	23.77	238.23	2

CHANNEL BANDWIDTH: 40MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
503202	2516.01	21.82	1.69	23.51	224.39	2
518598	2592.99	21.61	1.69	23.3	213.8	2
534000	2670	21.54	1.69	23.23	210.38	2

CHANNEL BANDWIDTH: 40MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
503202	2516.01	20.12	1.69	21.81	151.71	2
518598	2592.99	20.12	1.69	21.81	151.71	2
534000	2670	20.11	1.69	21.8	151.36	2

CHANNEL BANDWIDTH: 40MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
503202	2516.01	17.13	1.69	18.82	76.21	2
518598	2592.99	17.18	1.69	18.87	77.09	2
534000	2670	17.16	1.69	18.85	76.74	2

CHANNEL BANDWIDTH: 50MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
504204	2521.02	22.18	1.69	23.87	243.78	2
518598	2592.99	22.12	1.69	23.81	240.44	2
532998	2664.99	22.08	1.69	23.77	238.23	2

CHANNEL BANDWIDTH: 50MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
504204	2521.02	21.83	1.69	23.52	224.91	2
518598	2592.99	21.63	1.69	23.32	214.78	2
532998	2664.99	21.51	1.69	23.2	208.93	2

CHANNEL BANDWIDTH: 50MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
504204	2521.02	20.11	1.69	21.8	151.36	2
518598	2592.99	20.11	1.69	21.8	151.36	2
532998	2664.99	20.12	1.69	21.81	151.71	2

CHANNEL BANDWIDTH: 50MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
504204	2521.02	17.11	1.69	18.8	75.86	2
518598	2592.99	17.19	1.69	18.88	77.27	2
532998	2664.99	17.16	1.69	18.85	76.74	2

CHANNEL BANDWIDTH: 60MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
505200	2526	22.26	1.69	23.95	248.31	2
518598	2592.99	22.17	1.69	23.86	243.22	2
531996	2659.98	22.14	1.69	23.83	241.55	2

CHANNEL BANDWIDTH: 60MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
505200	2526	21.84	1.69	23.53	225.42	2
518598	2592.99	21.68	1.69	23.37	217.27	2
531996	2659.98	21.56	1.69	23.25	211.35	2

CHANNEL BANDWIDTH: 60MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
505200	2526	20.13	1.69	21.82	152.05	2
518598	2592.99	20.19	1.69	21.88	154.17	2
531996	2659.98	20.13	1.69	21.82	152.05	2

CHANNEL BANDWIDTH: 60MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
505200	2526	17.19	1.69	18.88	77.27	2
518598	2592.99	17.26	1.69	18.95	78.52	2
531996	2659.98	17.22	1.69	18.91	77.8	2

CHANNEL BANDWIDTH: 80MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
507204	2536.02	22.24	1.69	23.93	247.17	2
518598	2592.99	22.16	1.69	23.85	242.66	2
529998	2649.99	22.1	1.69	23.79	239.33	2

CHANNEL BANDWIDTH: 80MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
507204	2536.02	21.88	1.69	23.57	227.51	2
518598	2592.99	21.67	1.69	23.36	216.77	2
529998	2649.99	21.6	1.69	23.29	213.3	2

CHANNEL BANDWIDTH: 80MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
507204	2536.02	20.18	1.69	21.87	153.82	2
518598	2592.99	20.14	1.69	21.83	152.41	2
529998	2649.99	20.14	1.69	21.83	152.41	2

CHANNEL BANDWIDTH: 80MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
507204	2536.02	17.2	1.69	18.89	77.45	2
518598	2592.99	17.23	1.69	18.92	77.98	2
529998	2649.99	17.18	1.69	18.87	77.09	2

CHANNEL BANDWIDTH: 90MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
508200	2541	22.22	1.69	23.91	246.04	2
518598	2592.99	22.15	1.69	23.84	242.1	2
528996	2644.98	22.1	1.69	23.79	239.33	2

CHANNEL BANDWIDTH: 90MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
508200	2541	21.89	1.69	23.58	228.03	2
518598	2592.99	21.7	1.69	23.39	218.27	2
528996	2644.98	21.57	1.69	23.26	211.84	2

CHANNEL BANDWIDTH: 90MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
508200	2541	20.17	1.69	21.86	153.46	2
518598	2592.99	20.14	1.69	21.83	152.41	2
528996	2644.98	20.15	1.69	21.84	152.76	2

CHANNEL BANDWIDTH: 90MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
508200	2541	17.19	1.69	18.88	77.27	2
518598	2592.99	17.24	1.69	18.93	78.16	2
528996	2644.98	17.18	1.69	18.87	77.09	2

CHANNEL BANDWIDTH: 100MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
509202	2546.01	22.3	1.69	23.99	250.61	2
518598	2592.99	22.22	1.69	23.91	246.04	2
528000	2640	22.16	1.69	23.85	242.66	2

CHANNEL BANDWIDTH: 100MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
509202	2546.01	21.9	1.69	23.59	228.56	2
518598	2592.99	21.75	1.69	23.44	220.8	2
528000	2640	21.62	1.69	23.31	214.29	2

CHANNEL BANDWIDTH: 100MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
509202	2546.01	20.19	1.69	21.88	154.17	2
518598	2592.99	20.2	1.69	21.89	154.53	2
528000	2640	20.16	1.69	21.85	153.11	2

CHANNEL BANDWIDTH: 100MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
509202	2546.01	17.23	1.69	18.92	77.98	2
518598	2592.99	17.31	1.69	19	79.43	2
528000	2640	17.24	1.69	18.93	78.16	2

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

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710	21.14	1.5	22.64	183.65	1
656000	3840	21.46	1.5	22.96	197.7	1
664666	3970	21.39	1.5	22.89	194.54	1

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710	20.82	1.5	22.32	170.61	1
656000	3840	21.01	1.5	22.51	178.24	1
664666	3970	20.91	1.5	22.41	174.18	1

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710	19.2	1.5	20.7	117.49	1
656000	3840	19.46	1.5	20.96	124.74	1
664666	3970	19.45	1.5	20.95	124.45	1

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647334	3710	16.08	1.5	17.58	57.28	1
656000	3840	16.47	1.5	17.97	62.66	1
664666	3970	16.46	1.5	17.96	62.52	1

CHANNEL BANDWIDTH: 30MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715	21.15	1.5	22.65	184.08	1
656000	3840	21.43	1.5	22.93	196.34	1
664332	3965	21.4	1.5	22.9	194.98	1

CHANNEL BANDWIDTH: 30MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715	20.82	1.5	22.32	170.61	1
656000	3840	20.98	1.5	22.48	177.01	1
664332	3965	20.89	1.5	22.39	173.38	1

CHANNEL BANDWIDTH: 30MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715	19.16	1.5	20.66	116.41	1
656000	3840	19.44	1.5	20.94	124.17	1
664332	3965	19.43	1.5	20.93	123.88	1

CHANNEL BANDWIDTH: 30MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
647668	3715	16.06	1.5	17.56	57.02	1
656000	3840	16.43	1.5	17.93	62.09	1
664332	3965	16.43	1.5	17.93	62.09	1

CHANNEL BANDWIDTH: 40MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	21.17	1.5	22.67	184.93	1
656000	3840	21.43	1.5	22.93	196.34	1
664000	3960	21.39	1.5	22.89	194.54	1

CHANNEL BANDWIDTH: 40MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	20.86	1.5	22.36	172.19	1
656000	3840	20.99	1.5	22.49	177.42	1
664000	3960	20.93	1.5	22.43	174.98	1

CHANNEL BANDWIDTH: 40MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	19.21	1.5	20.71	117.76	1
656000	3840	19.46	1.5	20.96	124.74	1
664000	3960	19.44	1.5	20.94	124.17	1

CHANNEL BANDWIDTH: 40MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648000	3720	16.11	1.5	17.61	57.68	1
656000	3840	16.4	1.5	17.9	61.66	1
664000	3960	16.49	1.5	17.99	62.95	1

CHANNEL BANDWIDTH: 50MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725	21.17	1.5	22.67	184.93	1
656000	3840	21.46	1.5	22.96	197.7	1
663666	3955	21.39	1.5	22.89	194.54	1

CHANNEL BANDWIDTH: 50MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725	20.87	1.5	22.37	172.58	1
656000	3840	21	1.5	22.5	177.83	1
663666	3955	20.9	1.5	22.4	173.78	1

CHANNEL BANDWIDTH: 50MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725	19.2	1.5	20.7	117.49	1
656000	3840	19.49	1.5	20.99	125.6	1
663666	3955	19.45	1.5	20.95	124.45	1

CHANNEL BANDWIDTH: 50MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648334	3725	16.12	1.5	17.62	57.81	1
656000	3840	16.47	1.5	17.97	62.66	1
663666	3955	16.5	1.5	18	63.1	1

CHANNEL BANDWIDTH: 60MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730	21.19	1.5	22.69	185.78	1
656000	3840	21.47	1.5	22.97	198.15	1
663332	3950	21.44	1.5	22.94	196.79	1

CHANNEL BANDWIDTH: 60MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730	20.83	1.5	22.33	171	1
656000	3840	21.04	1.5	22.54	179.47	1
663332	3950	20.99	1.5	22.49	177.42	1

CHANNEL BANDWIDTH: 60MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730	19.22	1.5	20.72	118.03	1
656000	3840	19.48	1.5	20.98	125.31	1
663332	3950	19.46	1.5	20.96	124.74	1

CHANNEL BANDWIDTH: 60MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
648668	3730	16.1	1.5	17.6	57.54	1
656000	3840	16.48	1.5	17.98	62.81	1
663332	3950	16.47	1.5	17.97	62.66	1

CHANNEL BANDWIDTH: 70MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	21.23	1.5	22.73	187.5	1
656000	3840	21.47	1.5	22.97	198.15	1
663000	3945	21.44	1.5	22.94	196.79	1

CHANNEL BANDWIDTH: 70MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	20.83	1.5	22.33	171	1
656000	3840	21.01	1.5	22.51	178.24	1
663000	3945	20.96	1.5	22.46	176.2	1

CHANNEL BANDWIDTH: 70MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	19.18	1.5	20.68	116.95	1
656000	3840	19.47	1.5	20.97	125.03	1
663000	3945	19.47	1.5	20.97	125.03	1

CHANNEL BANDWIDTH: 70MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649000	3735	16.1	1.5	17.6	57.54	1
656000	3840	16.46	1.5	17.96	62.52	1
663000	3945	16.44	1.5	17.94	62.23	1

CHANNEL BANDWIDTH: 80MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740	21.21	1.5	22.71	186.64	1
656000	3840	21.47	1.5	22.97	198.15	1
662666	3940	21.41	1.5	22.91	195.43	1

CHANNEL BANDWIDTH: 80MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740	20.87	1.5	22.37	172.58	1
656000	3840	21.02	1.5	22.52	178.65	1
662666	3940	21	1.5	22.5	177.83	1

CHANNEL BANDWIDTH: 80MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740	19.23	1.5	20.73	118.3	1
656000	3840	19.47	1.5	20.97	125.03	1
662666	3940	19.45	1.5	20.95	124.45	1

CHANNEL BANDWIDTH: 80MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649334	3740	16.12	1.5	17.62	57.81	1
656000	3840	16.44	1.5	17.94	62.23	1
662666	3940	16.5	1.5	18	63.1	1

CHANNEL BANDWIDTH: 90MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745	21.19	1.5	22.69	185.78	1
656000	3840	21.47	1.5	22.97	198.15	1
662332	3935	21.41	1.5	22.91	195.43	1

CHANNEL BANDWIDTH: 90MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745	20.88	1.5	22.38	172.98	1
656000	3840	21.03	1.5	22.53	179.06	1
662332	3935	20.95	1.5	22.45	175.79	1

CHANNEL BANDWIDTH: 90MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745	19.22	1.5	20.72	118.03	1
656000	3840	19.5	1.5	21	125.89	1
662332	3935	19.46	1.5	20.96	124.74	1

CHANNEL BANDWIDTH: 90MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
649668	3745	16.13	1.5	17.63	57.94	1
656000	3840	16.48	1.5	17.98	62.81	1
662332	3935	16.51	1.5	18.01	63.24	1

CHANNEL BANDWIDTH: 100MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	21.27	1.5	22.77	189.23	1
656000	3840	21.49	1.5	22.99	199.07	1
662000	3930	21.46	1.5	22.96	197.7	1

CHANNEL BANDWIDTH: 100MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	20.89	1.5	22.39	173.38	1
656000	3840	21.06	1.5	22.56	180.3	1
662000	3930	21.01	1.5	22.51	178.24	1

CHANNEL BANDWIDTH: 100MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	19.24	1.5	20.74	118.58	1
656000	3840	19.51	1.5	21.01	126.18	1
662000	3930	19.48	1.5	20.98	125.31	1

CHANNEL BANDWIDTH: 100MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
650000	3750	16.14	1.5	17.64	58.08	1
656000	3840	16.52	1.5	18.02	63.39	1
662000	3930	16.52	1.5	18.02	63.39	1

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

3.2 RADIATED EMISSION MEASUREMENT

3.2.1 LIMITS OF RADIATED EMISSION MEASUREMENT

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 43 +10 log10(P) dB. The limit of emission is equal to -13dBm.

For 5G NR n41:

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least 55 +10 log10(P) dB. The limit of emission is equal to -25dBm.

3.2.2 TEST PROCEDURES

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

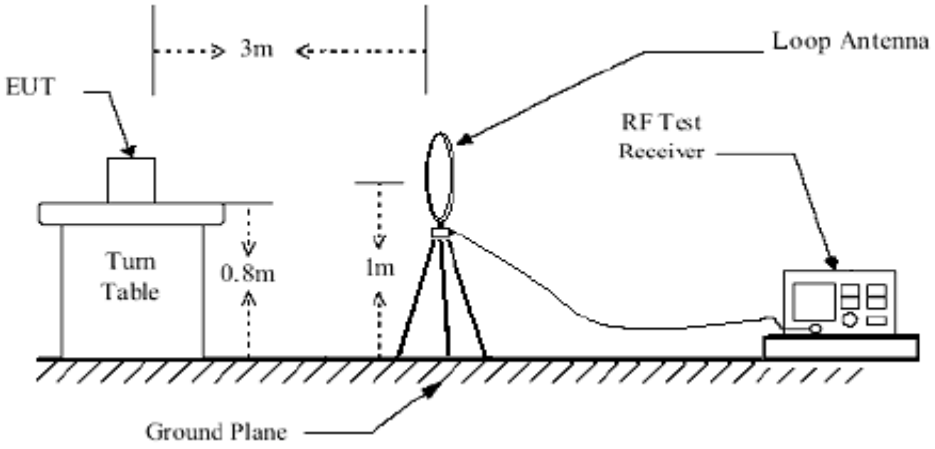
NOTE: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

3.2.3 DEVIATION FROM TEST STANDARD

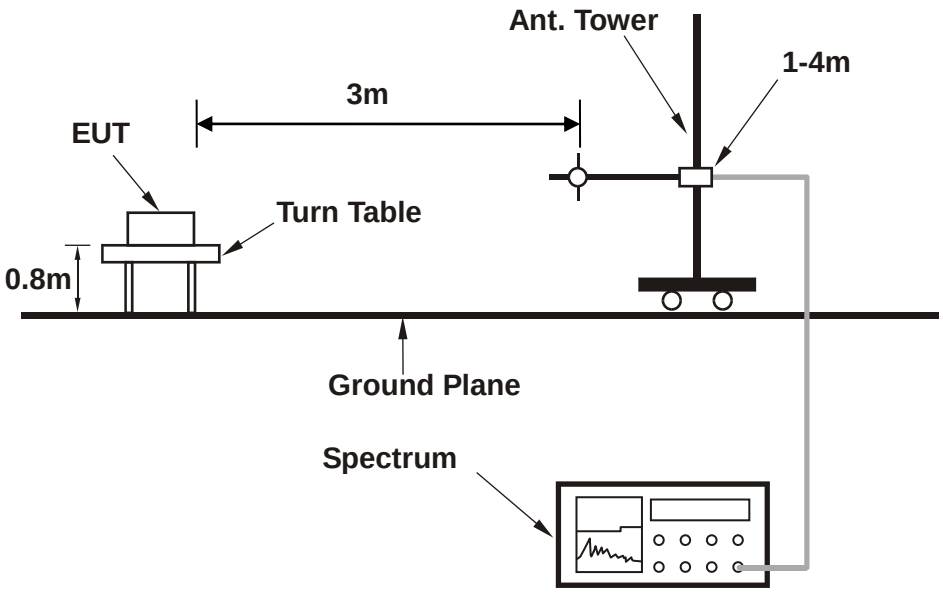
No deviation

3.2.4 TEST SETUP

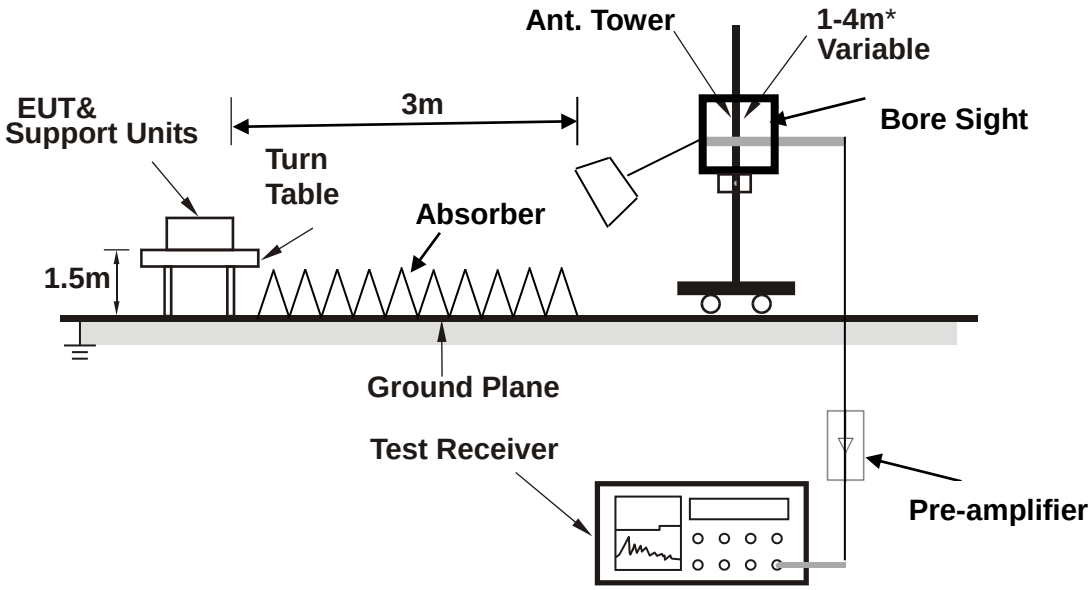
< Frequency Range below 30MHz >



< 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).

3.2.5 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.

5G SA BELOW 1GHz WORST-CASE DATA

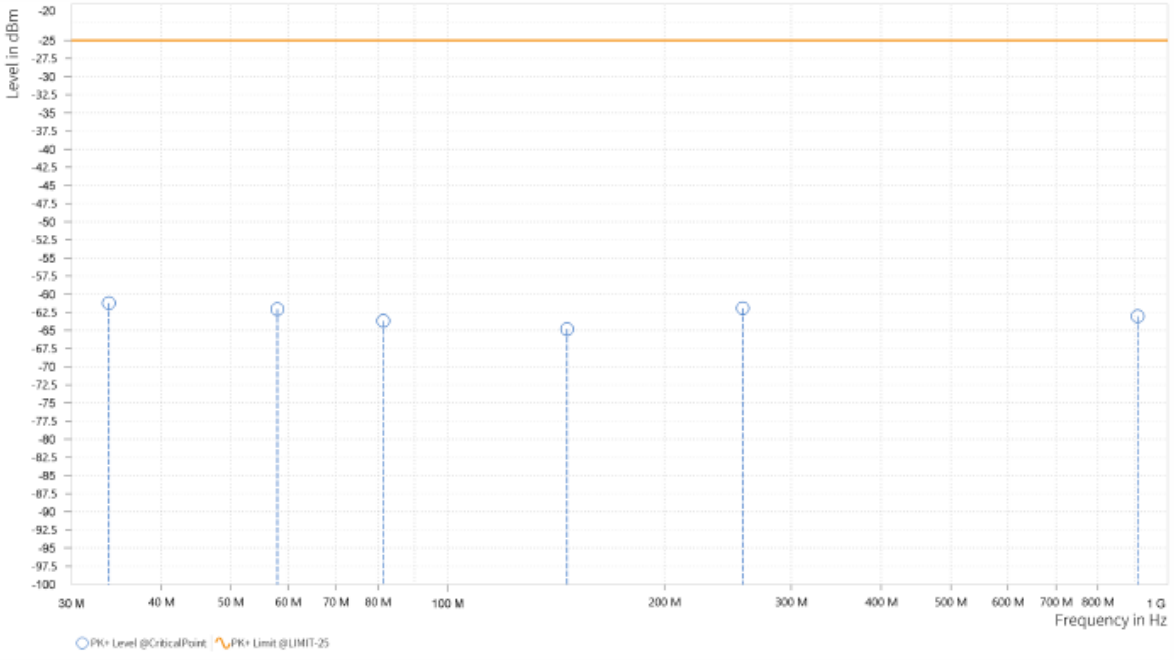
30 MHz – 1GHz data:

5G_NR41

CHANNEL BANDWIDTH: 20MHz / QPSK

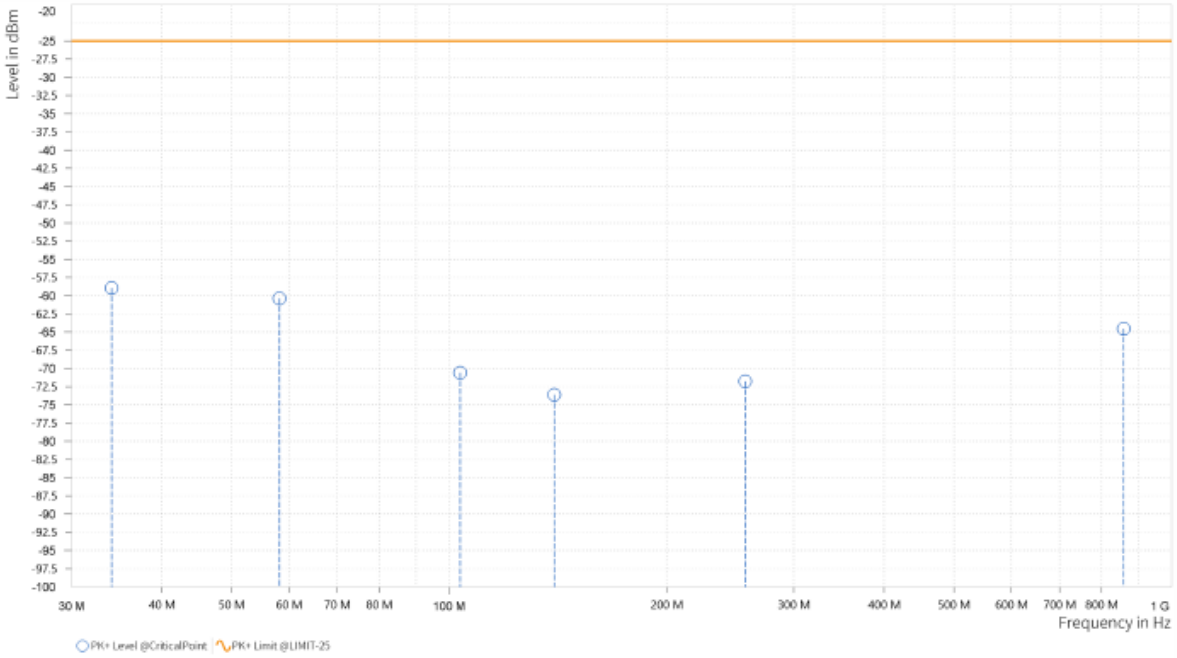
MODE	TX channel CH518598	**FREQUENCY RANGE**	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	33.850	-61.21	-25.00	36.21	-9.43	H	151.2	2
1	58.000	-62.08	-25.00	37.08	-5.01	H	207.5	1
1	81.400	-63.69	-25.00	38.69	-11.88	H	151.2	2
1	146.450	-64.83	-25.00	39.83	-17.13	H	359	2
1	257.050	-61.94	-25.00	36.94	-7.67	H	354.8	2
2	908.929	-63.03	-25.00	38.03	13.70	H	110.6	1



MODE	TX channel CH518598	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
1	34.100	-58.95	-25.00	33.95	-11.27	V	213.5	1
1	58.200	-60.39	-25.00	35.39	-4.73	V	151.2	2
1	103.600	-70.60	-25.00	45.60	-8.49	V	151.2	2
1	139.850	-73.60	-25.00	48.60	-13.85	V	213.5	1
1	256.900	-71.77	-25.00	46.77	-9.75	V	151.2	2
2	858.833	-64.55	-25.00	39.55	13.19	V	359	2



ABOVE 1GHz

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

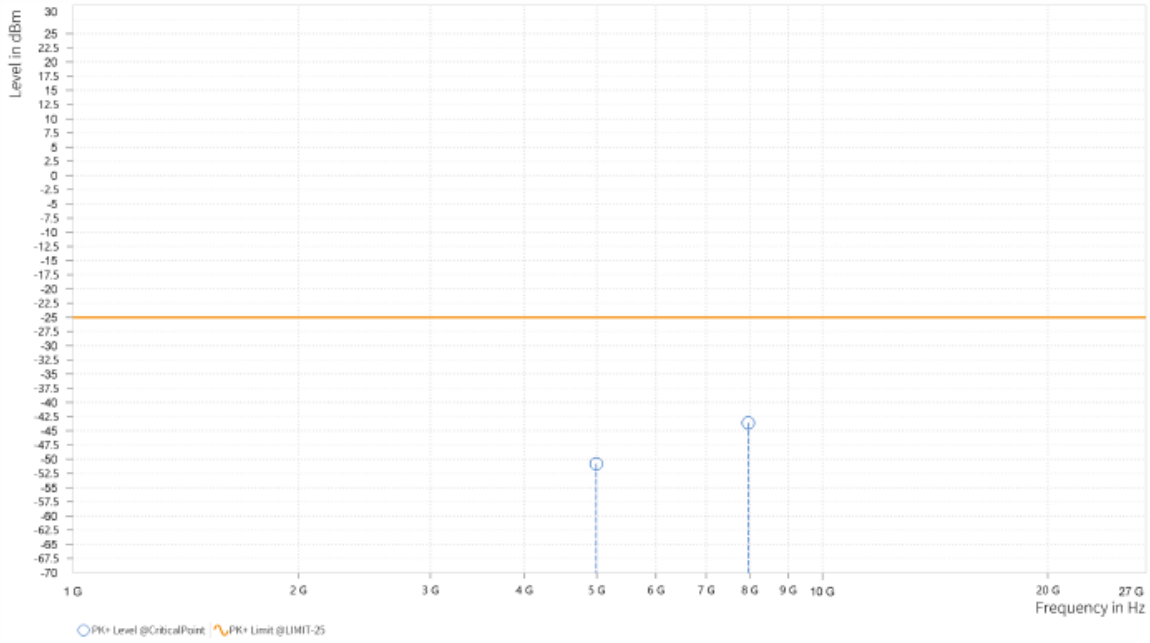
5G_NR41:

CHANNEL BANDWIDTH: 20MHz / QPSK

CH501204

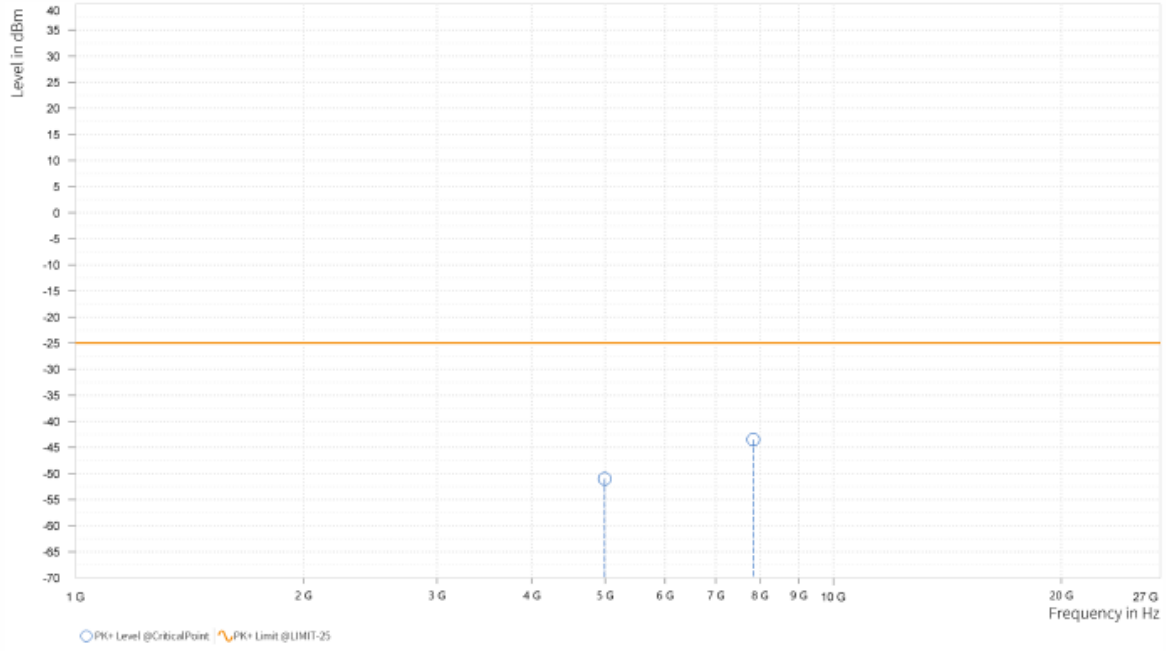
MODE	TX channel 501204	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	4,994.000	-50.82	-25.00	25.82	25.47	H	359	2
5	7,965.000	-43.61	-25.00	18.61	32.97	H	1	1



MODE	TX channel 501204	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

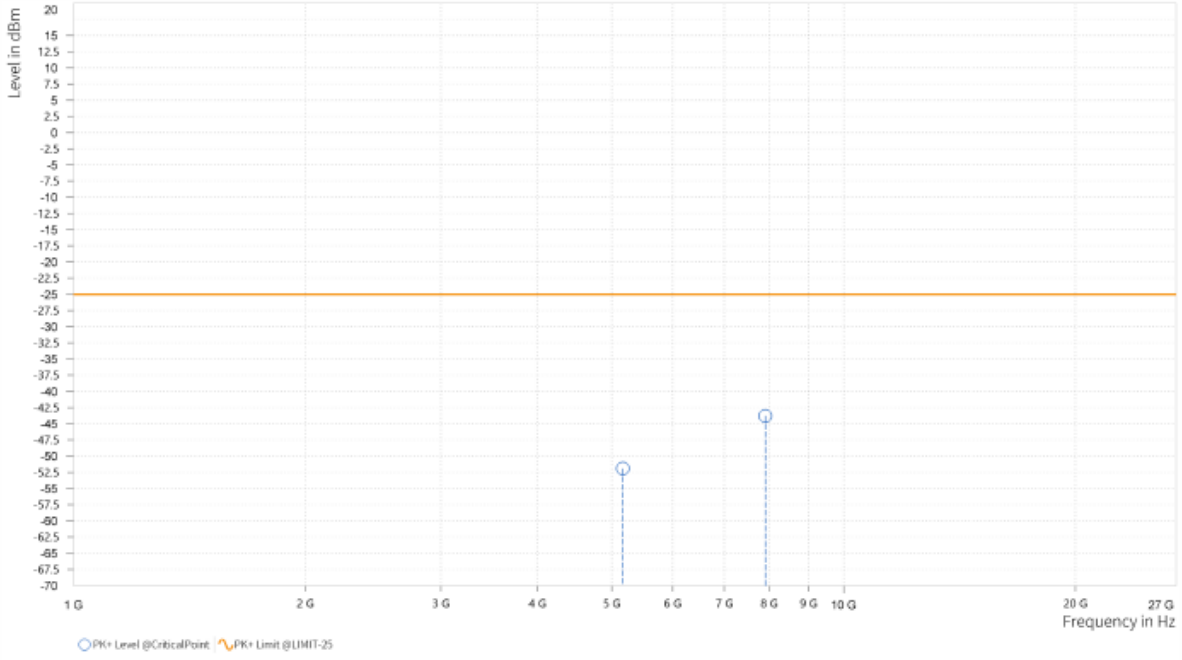
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	4,993.000	-51.01	-25.00	26.01	25.29	V	217.2	1
5	7,843.000	-43.50	-25.00	18.50	33.06	V	359	2



CH518598

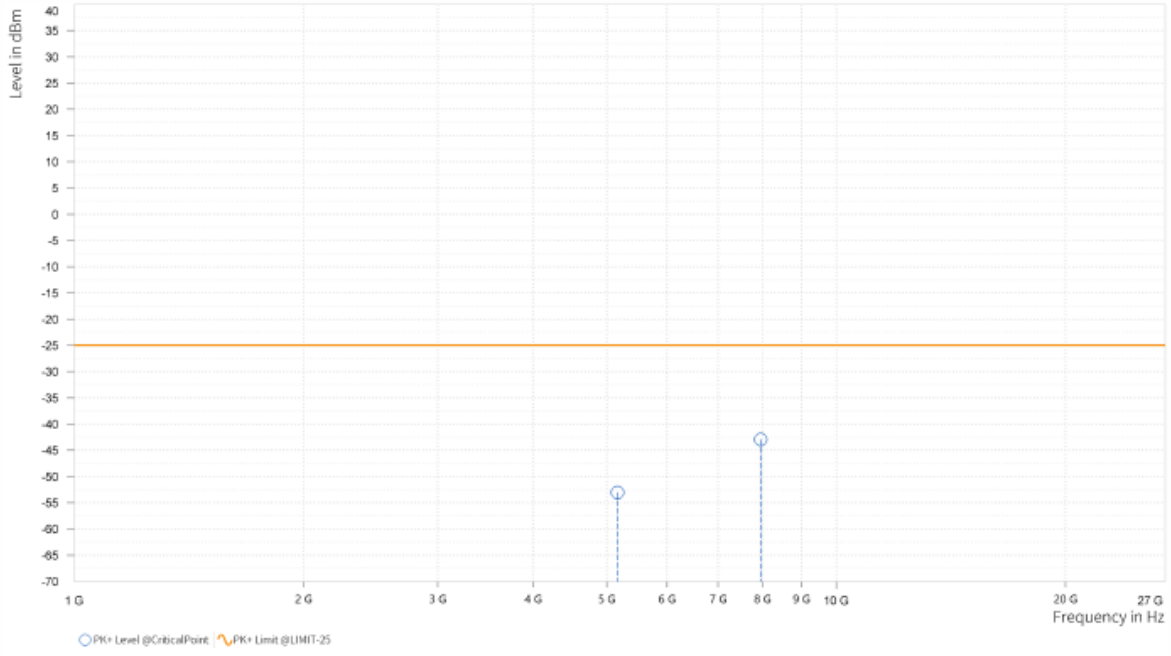
MODE	TX channel 518598	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,166.000	-51.91	-25.00	26.91	26.20	H	1	1
5	7,914.000	-43.79	-25.00	18.79	33.01	H	1	1



MODE	TX channel 518598	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

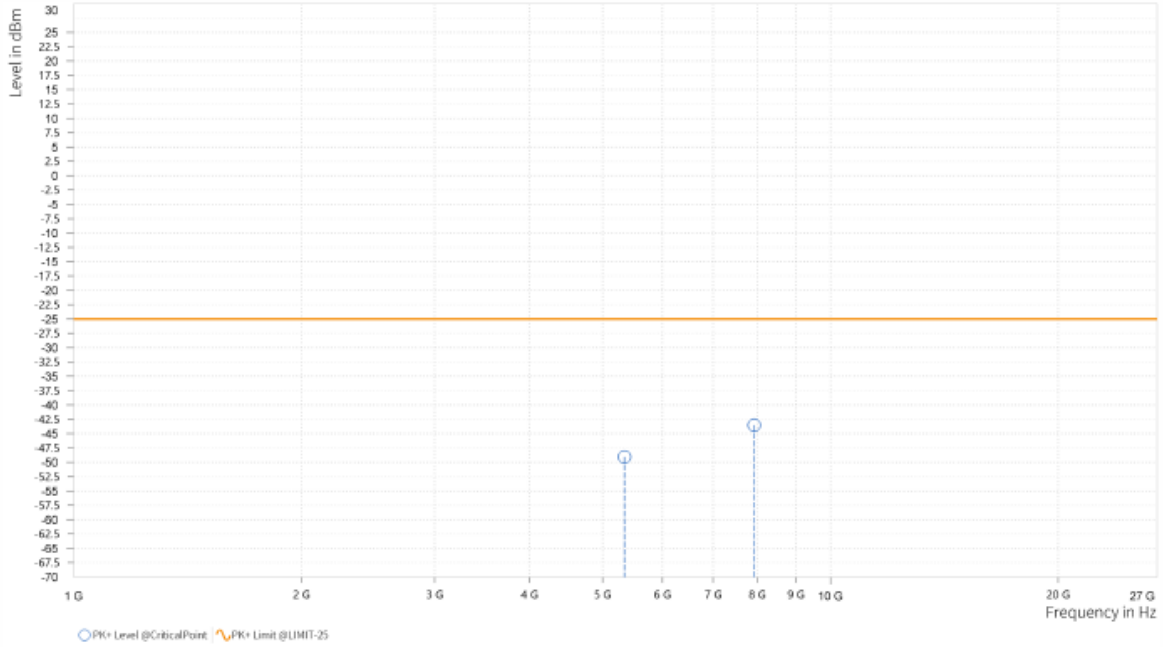
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,165.500	-53.05	-25.00	28.05	26.08	V	1	1
5	7,956.500	-42.96	-25.00	17.96	33.23	V	60.4	2



CH535998

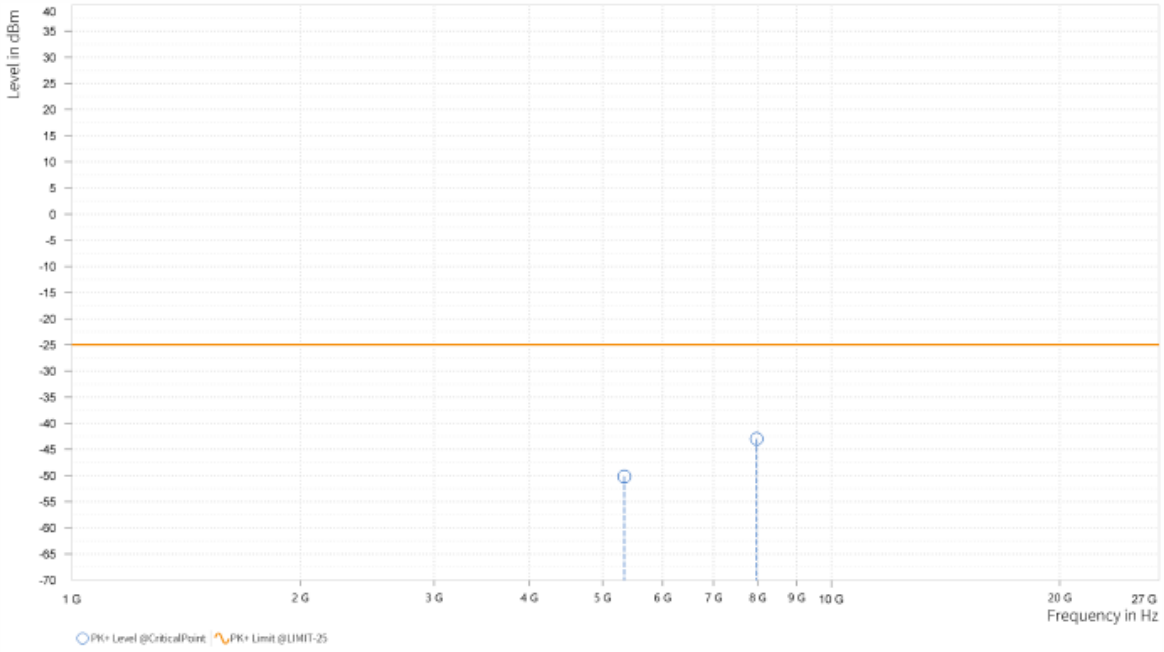
MODE	TX channel 535998	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,343.000	-49.07	-25.00	24.07	27.23	H	181.2	1
5	7,932.000	-43.50	-25.00	18.50	33.00	H	359.1	1



MODE	TX channel 535998	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

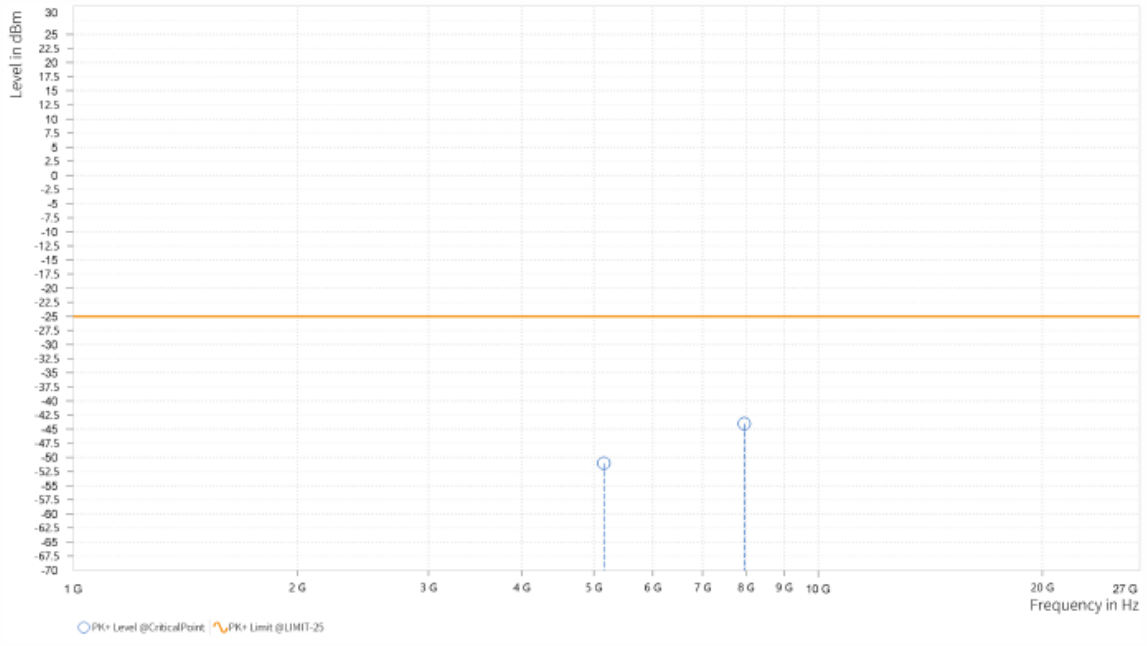
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,340.000	-50.18	-25.00	25.18	26.61	V	1	1
5	7,977.500	-43.02	-25.00	18.02	33.29	V	291.2	1



CHANNEL BANDWIDTH: 30MHz / QPSK

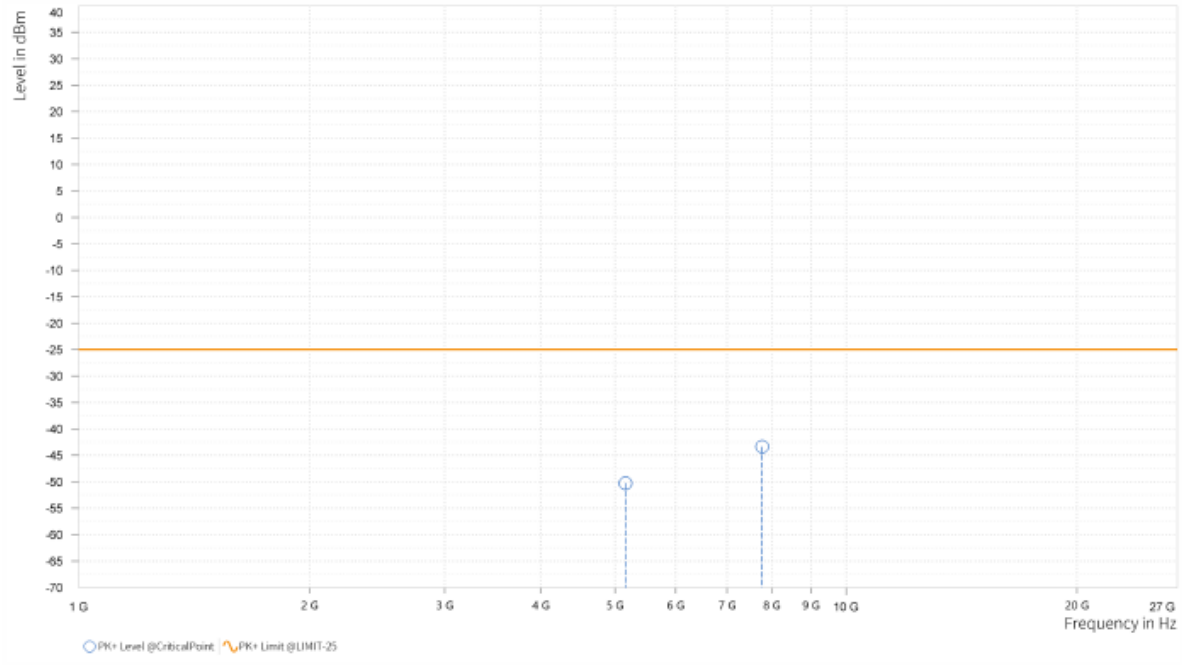
MODE	TX channel 518598	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,156.500	-51.01	-25.00	26.01	26.22	H	170.3	2
5	7,956.500	-44.03	-25.00	19.03	32.98	H	84.2	2



MODE	TX channel 518598	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

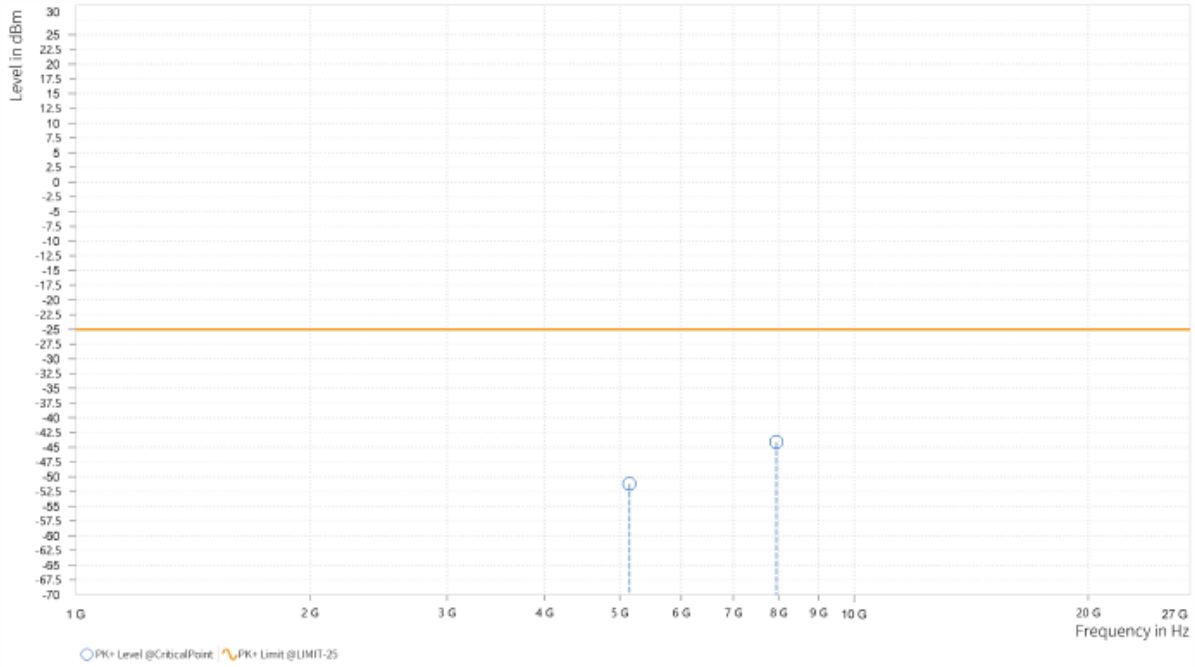
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,160.000	-50.28	-25.00	25.28	26.13	V	1	2
5	7,774.500	-43.36	-25.00	18.36	33.03	V	1	2



CHANNEL BANDWIDTH: 40MHz / QPSK

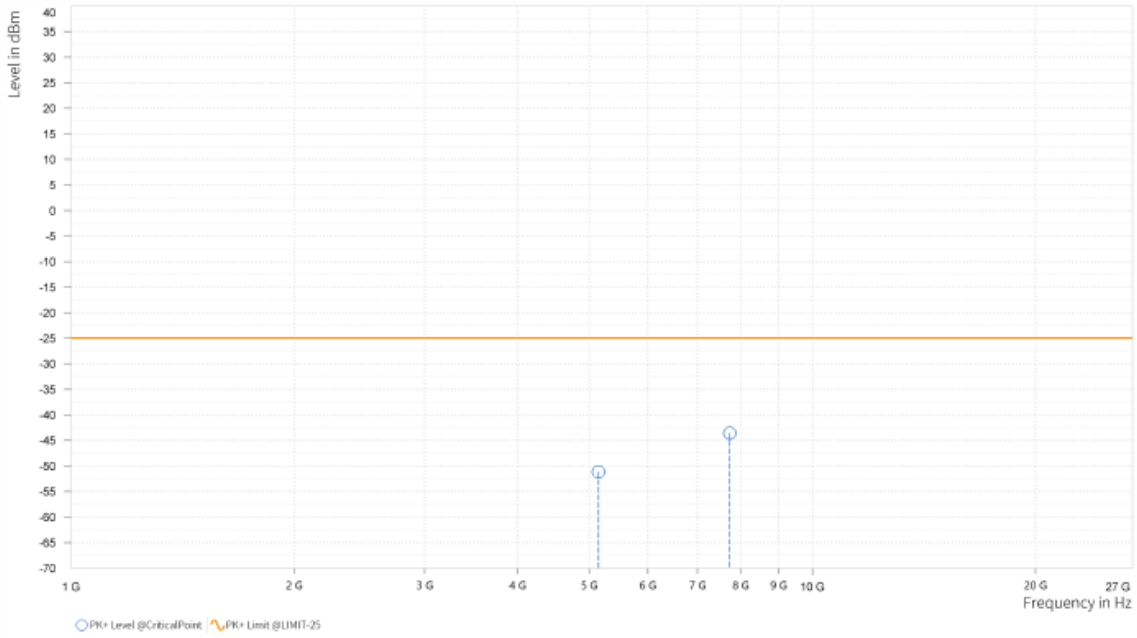
MODE	TX channel 518598	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,145.500	-51.20	-25.00	26.20	26.22	H	172.8	2
5	7,949.000	-44.11	-25.00	19.11	32.99	H	359	2



MODE	TX channel 518598	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

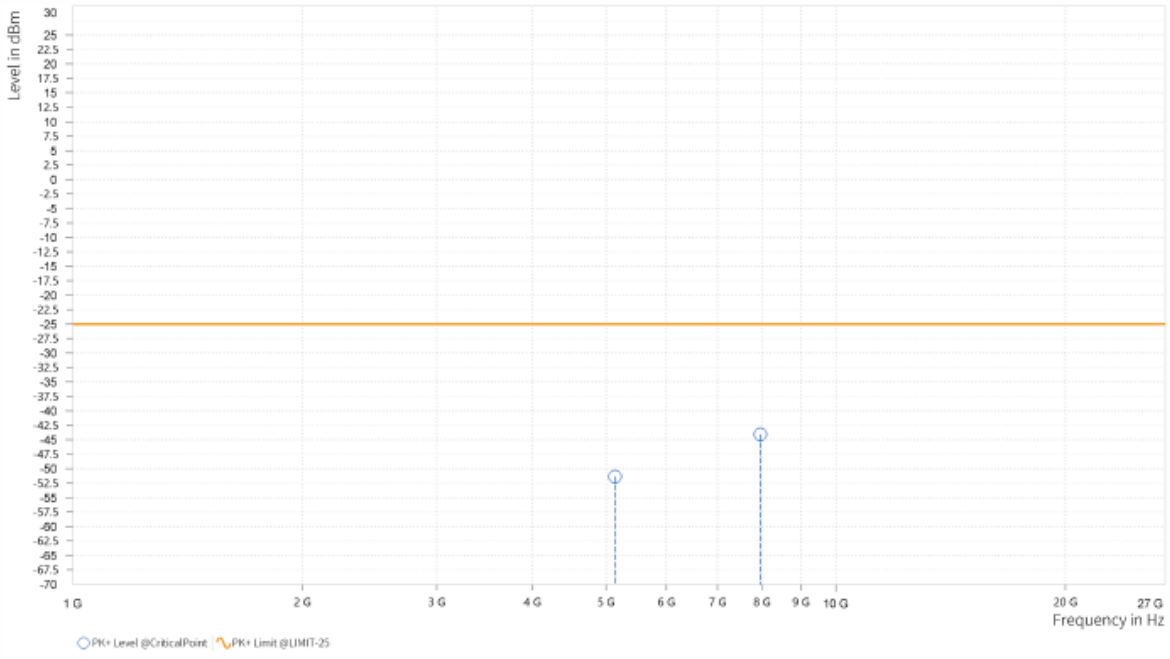
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,144.500	-51.17	-25.00	26.17	26.20	V	359	1
5	7,734.000	-43.58	-25.00	18.58	33.03	V	58	2



CHANNEL BANDWIDTH: 50MHz / QPSK

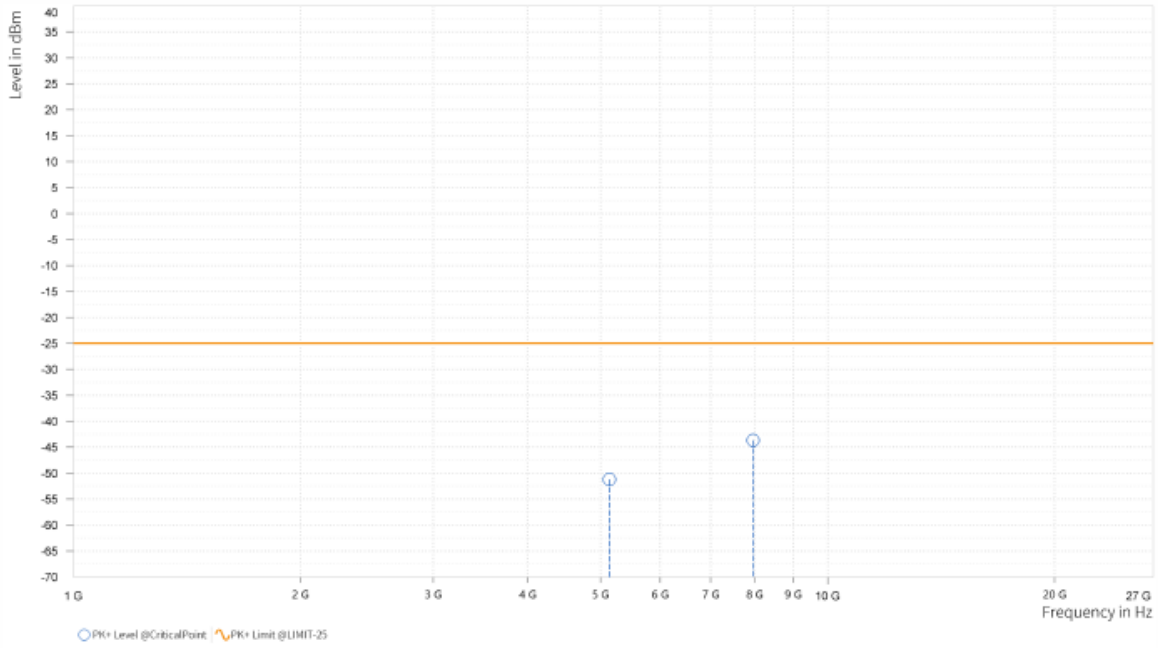
MODE	TX channel 518598	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,138.000	-51.35	-25.00	26.35	26.21	H	1	1
5	7,961.500	-44.05	-25.00	19.05	32.98	H	0.9	2



MODE	TX channel 518598	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

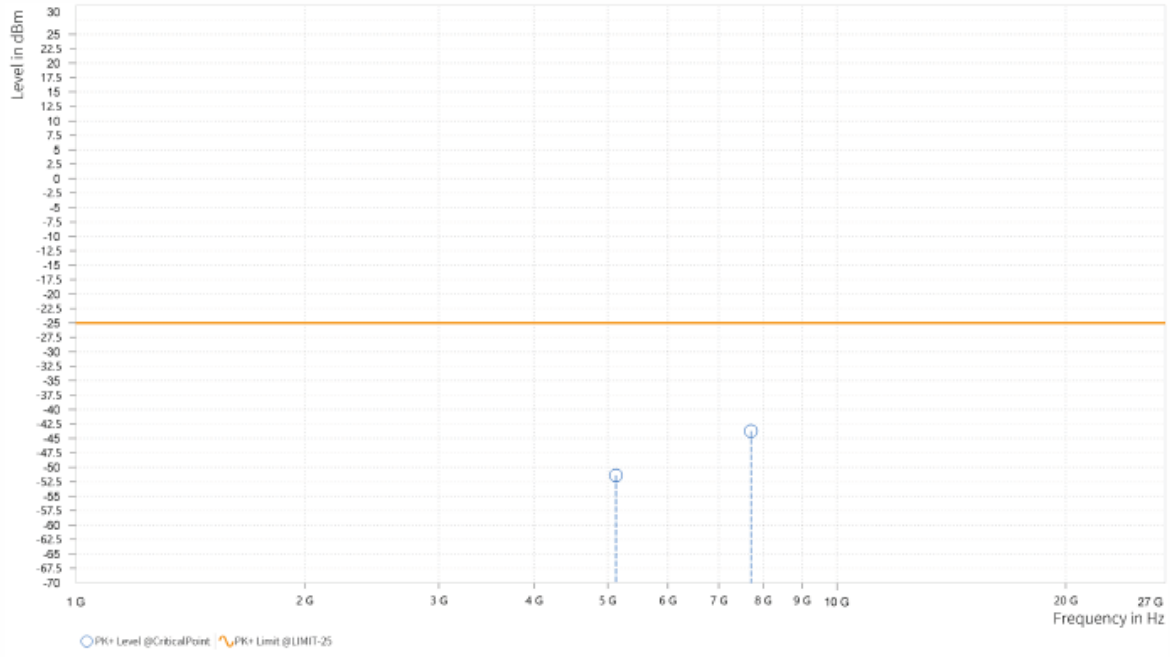
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,138.500	-51.20	-25.00	26.20	26.21	V	217.1	1
5	7,965.000	-43.70	-25.00	18.70	33.26	V	303.1	1



CHANNEL BANDWIDTH: 60MHz / QPSK

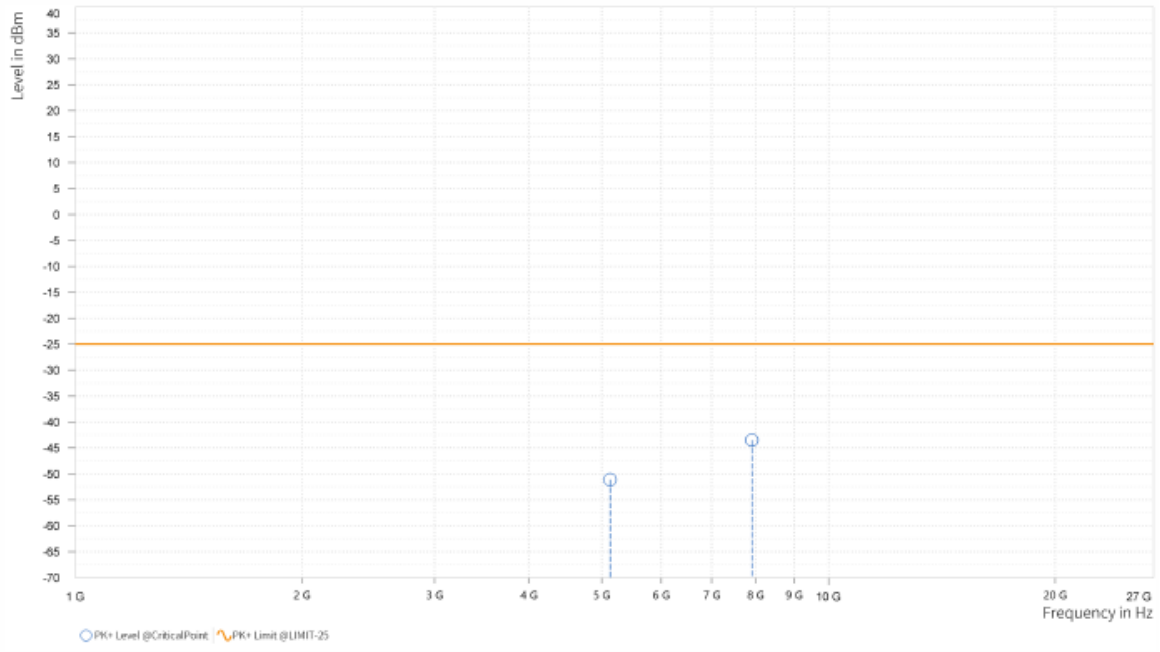
MODE	TX channel 518598	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,128.000	-51.39	-25.00	26.39	26.19	H	0.9	2
5	7,713.000	-43.75	-25.00	18.75	32.76	H	276.9	1



MODE	TX channel 518598	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

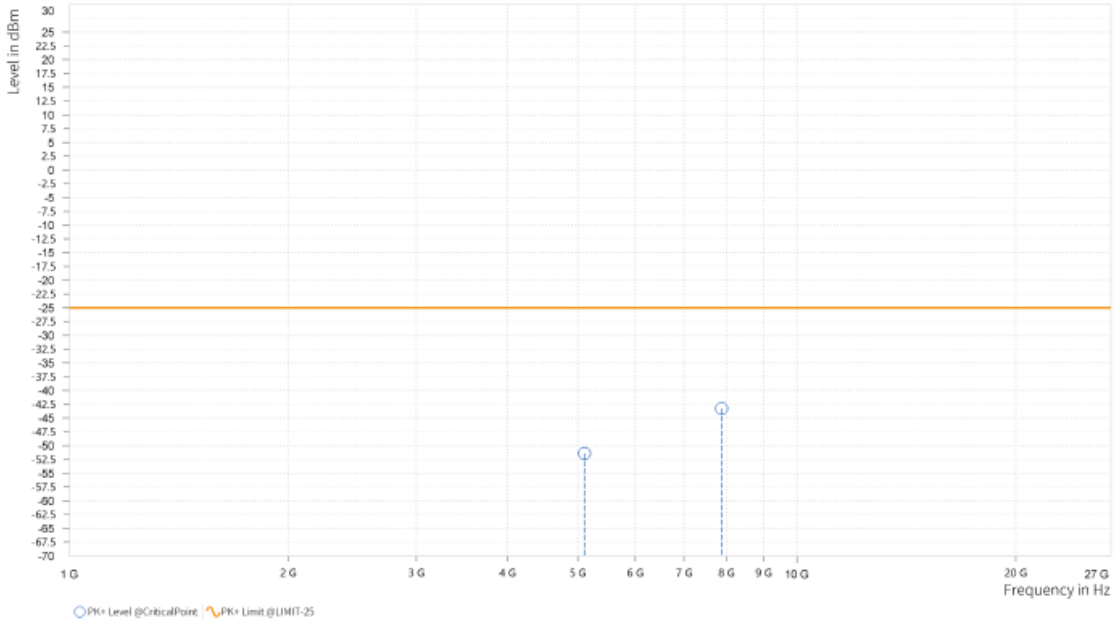
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,128.500	-51.13	-25.00	26.13	26.22	V	0.9	2
5	7,910.500	-43.49	-25.00	18.49	33.10	V	359	1



CHANNEL BANDWIDTH: 80MHz / QPSK

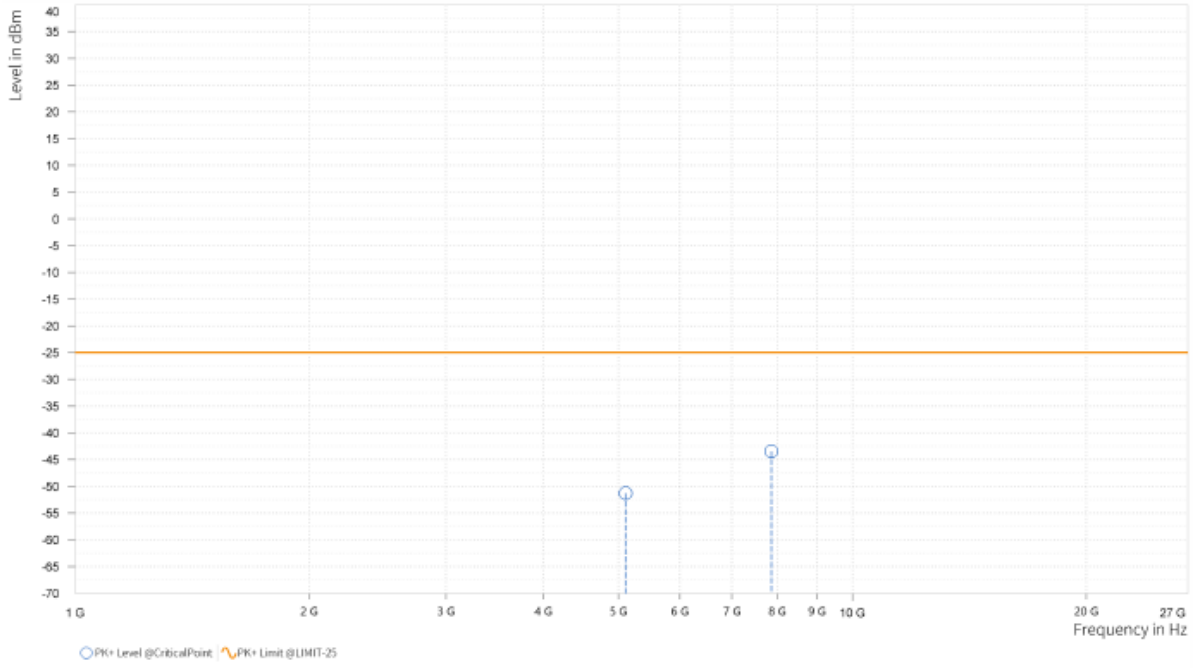
MODE	TX channel 518598	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,107.000	-51.42	-25.00	26.42	26.12	H	188.4	1
5	7,881.500	-43.29	-25.00	18.29	33.00	H	359	2



MODE	TX channel 518598	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

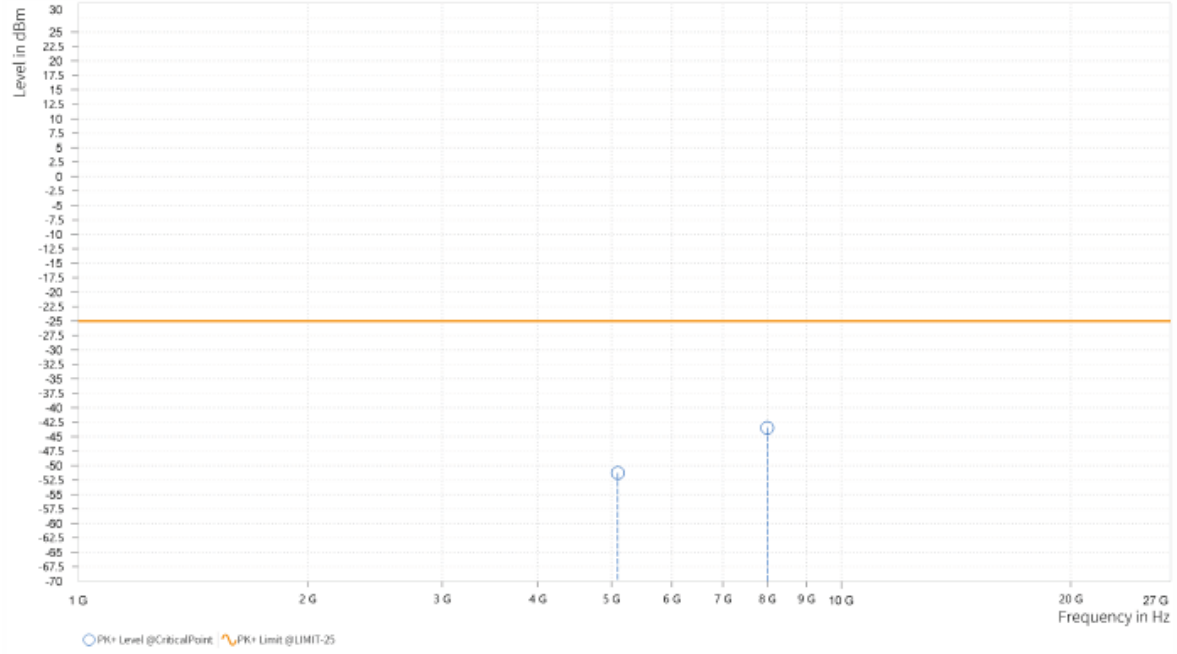
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,107.000	-51.33	-25.00	26.33	26.20	V	1	2
5	7,866.000	-43.46	-25.00	18.46	33.05	V	1	1



CHANNEL BANDWIDTH: 90MHz / QPSK

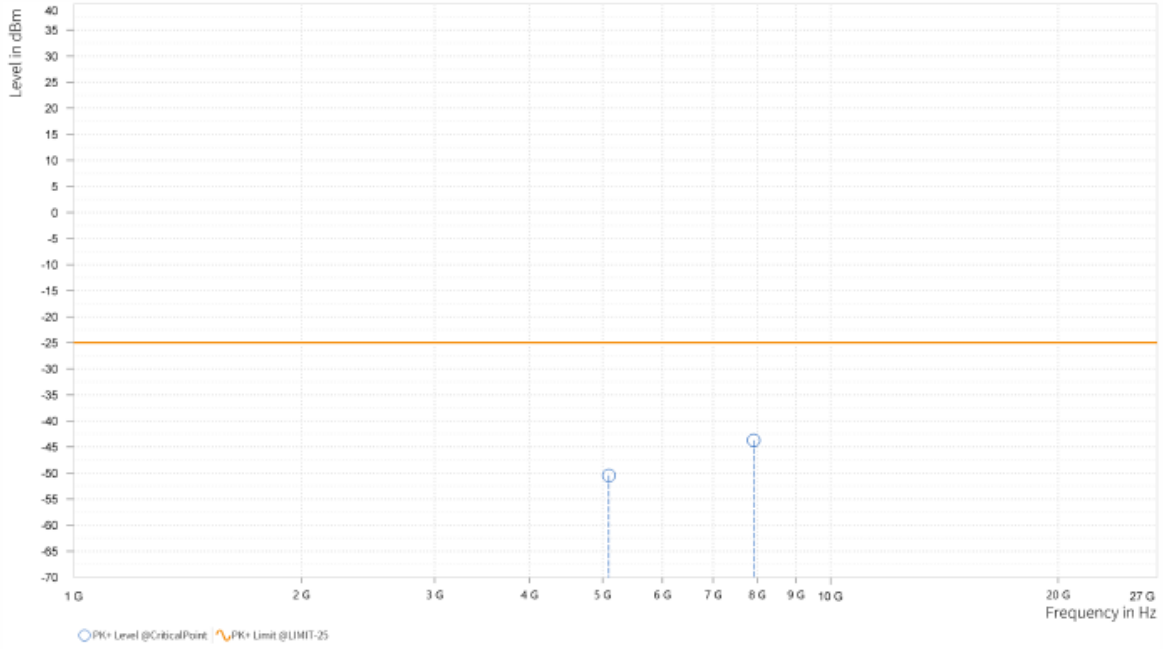
MODE	TX channel 518598	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,096.500	-51.28	-25.00	26.28	26.02	H	189.7	1
5	7,997.500	-43.47	-25.00	18.47	33.14	H	84.2	2



MODE	TX channel 518598	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

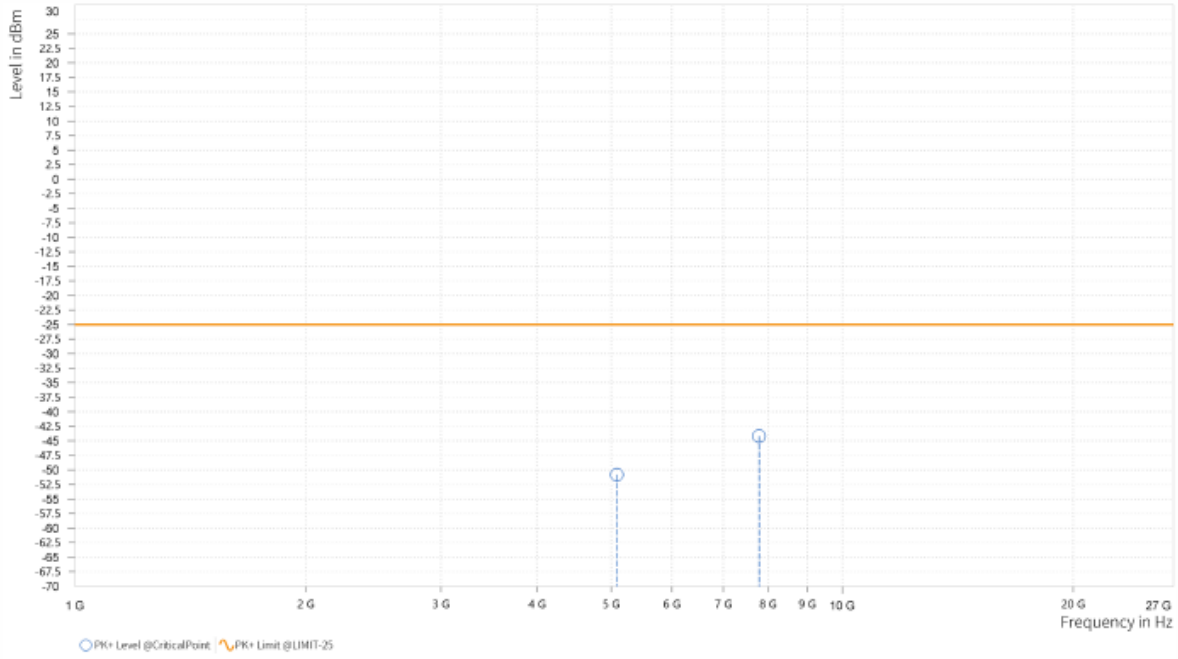
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,097.000	-50.47	-25.00	25.47	26.12	V	1	2
5	7,919.000	-43.72	-25.00	18.72	33.12	V	1	1



CHANNEL BANDWIDTH: 100MHz / QPSK

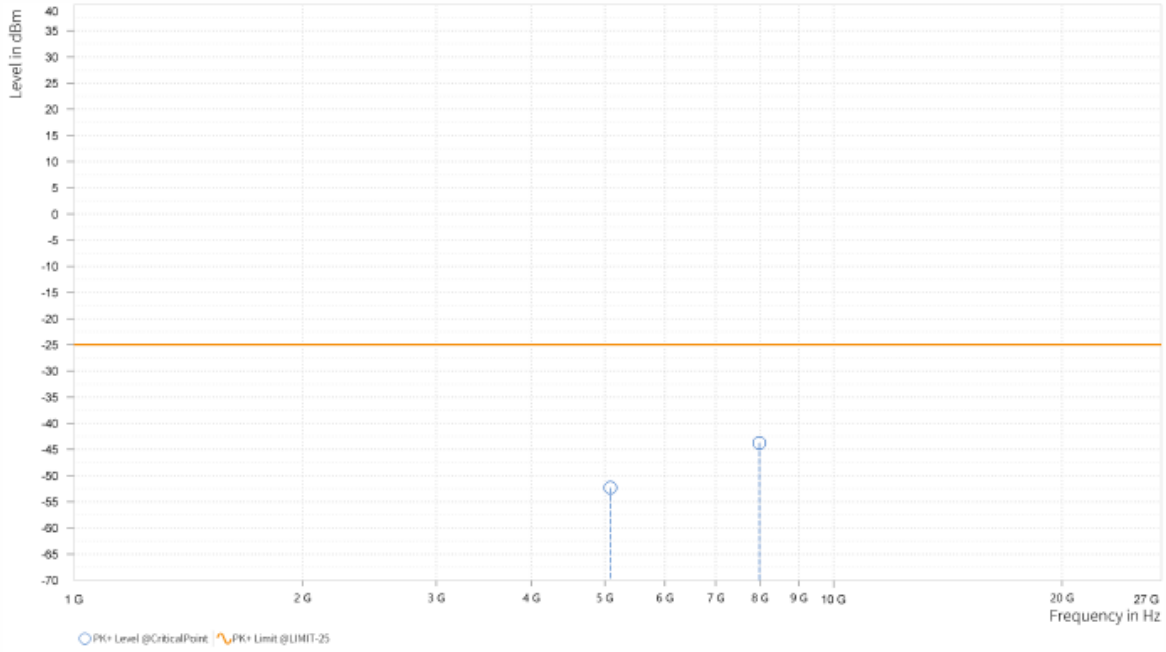
MODE	TX channel 518598	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,085.000	-50.84	-25.00	25.84	25.91	H	0.9	2
5	7,793.000	-44.20	-25.00	19.20	32.90	H	0.9	2



MODE	TX channel 518598	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

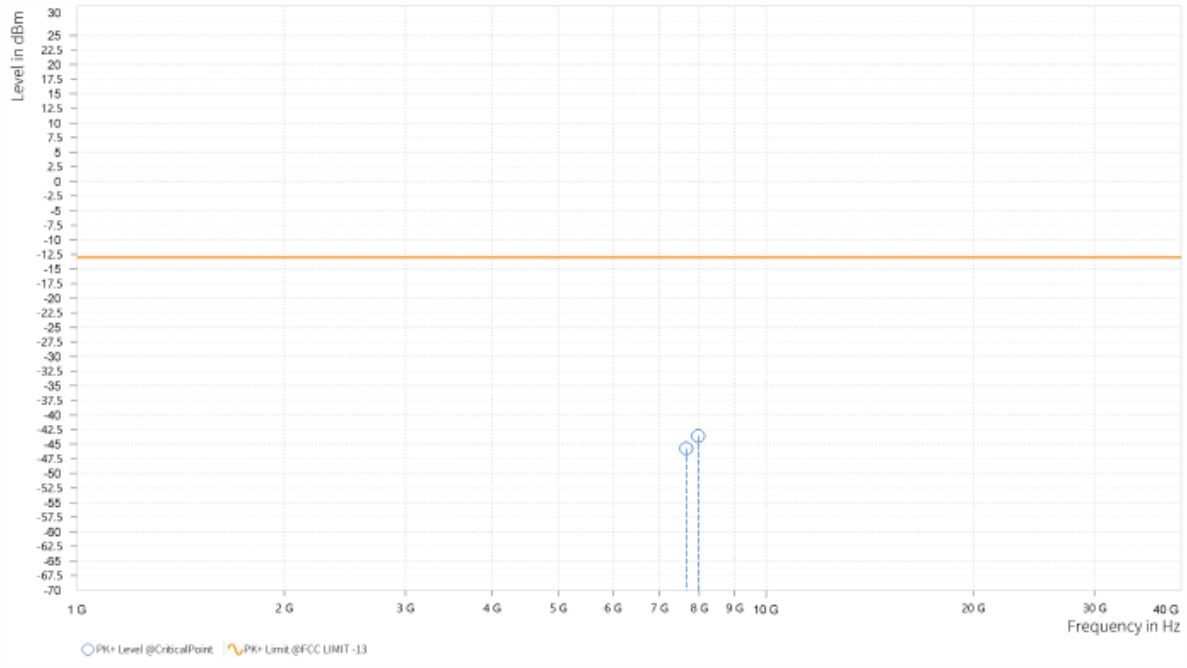
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
4	5,086.000	-52.33	-25.00	27.33	25.96	V	143	2
5	7,988.000	-43.78	-25.00	18.78	33.32	V	0.9	2



5G NR77 A:
CHANNEL BANDWIDTH: 20MHz / QPSK

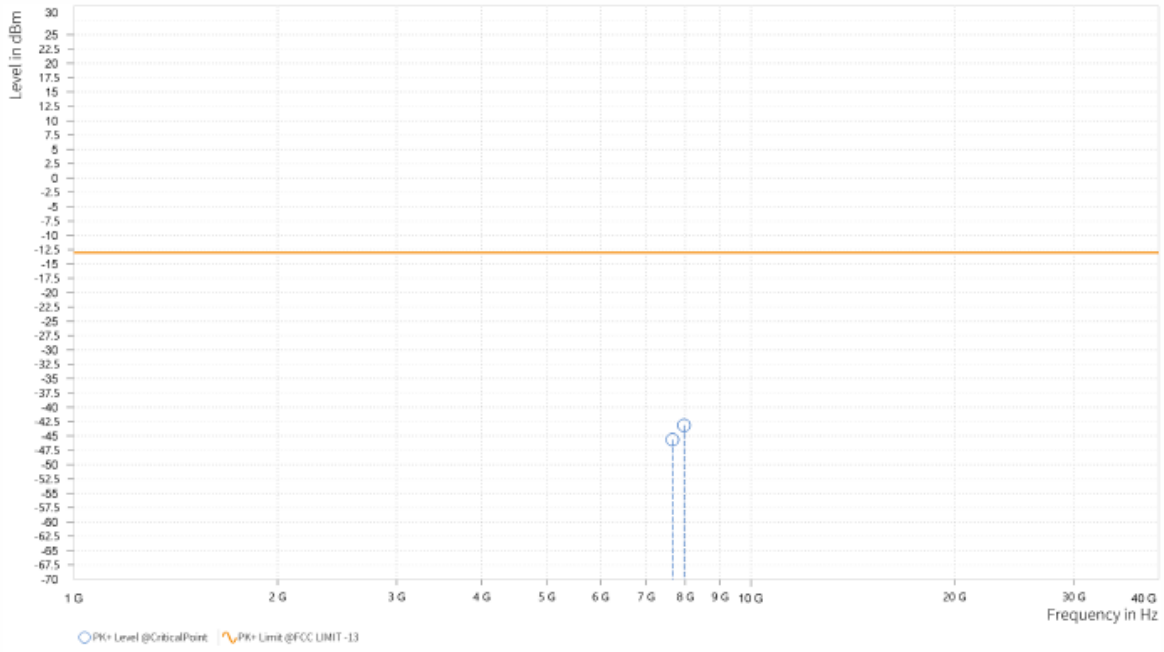
MODE	TX channel 656000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,659.500	-45.75	-13.00	32.75	32.47	H	1	2
5	7,976.000	-43.61	-13.00	30.61	33.00	H	318.6	1



MODE	TX channel 656000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

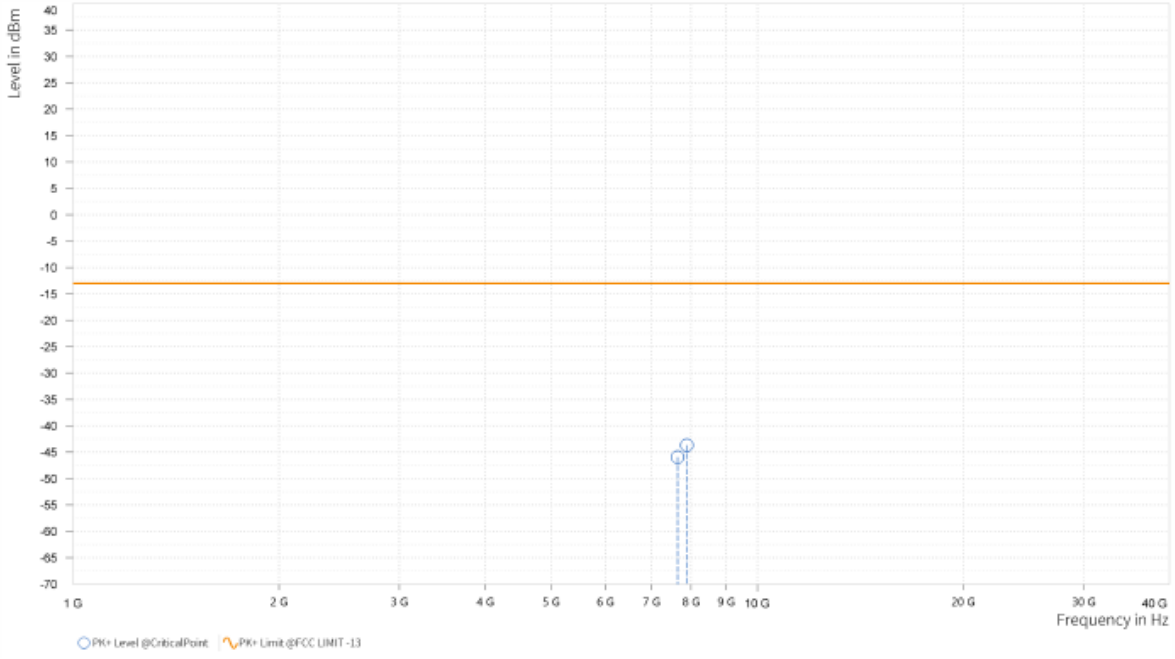
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,659.000	-45.66	-13.00	32.66	32.55	V	282.9	1
5	7,970.000	-43.14	-13.00	30.14	33.27	V	282.9	1



CHANNEL BANDWIDTH: 30MHz / QPSK

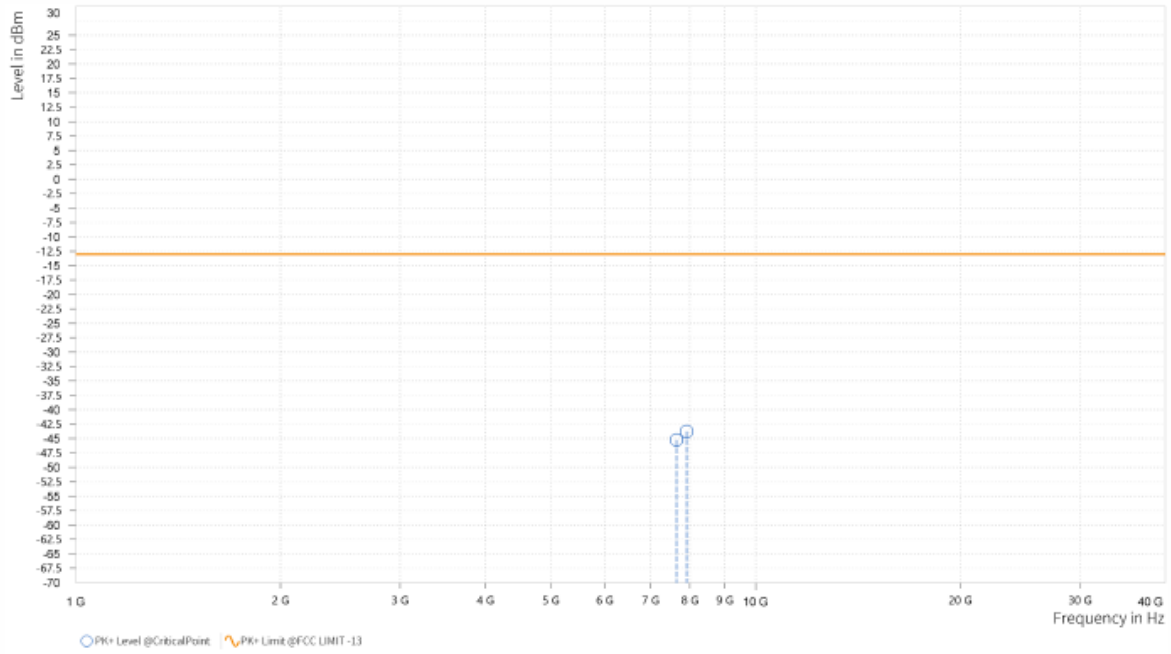
MODE	TX channel 656000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,648.000	-45.93	-13.00	32.93	32.40	H	56.8	2
5	7,888.000	-43.69	-13.00	30.69	33.01	H	1	1



MODE	TX channel 656000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

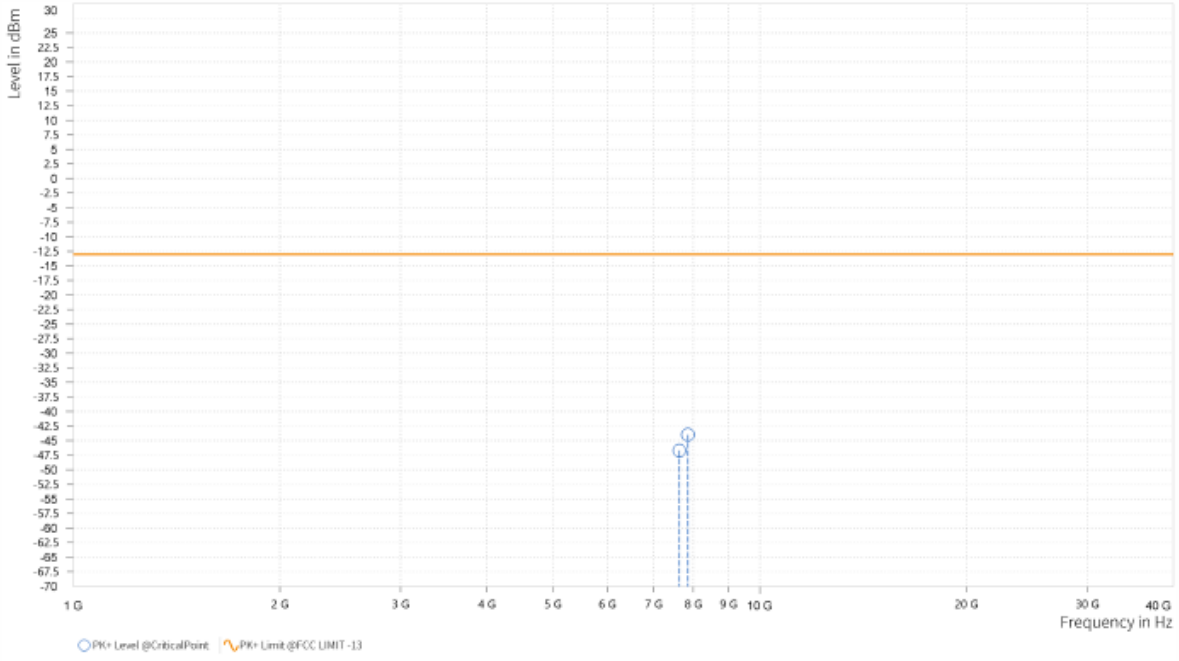
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,649.500	-45.22	-13.00	32.22	32.49	V	359	2
5	7,915.000	-43.79	-13.00	30.79	33.11	V	0.9	2



CHANNEL BANDWIDTH: 40MHz / QPSK

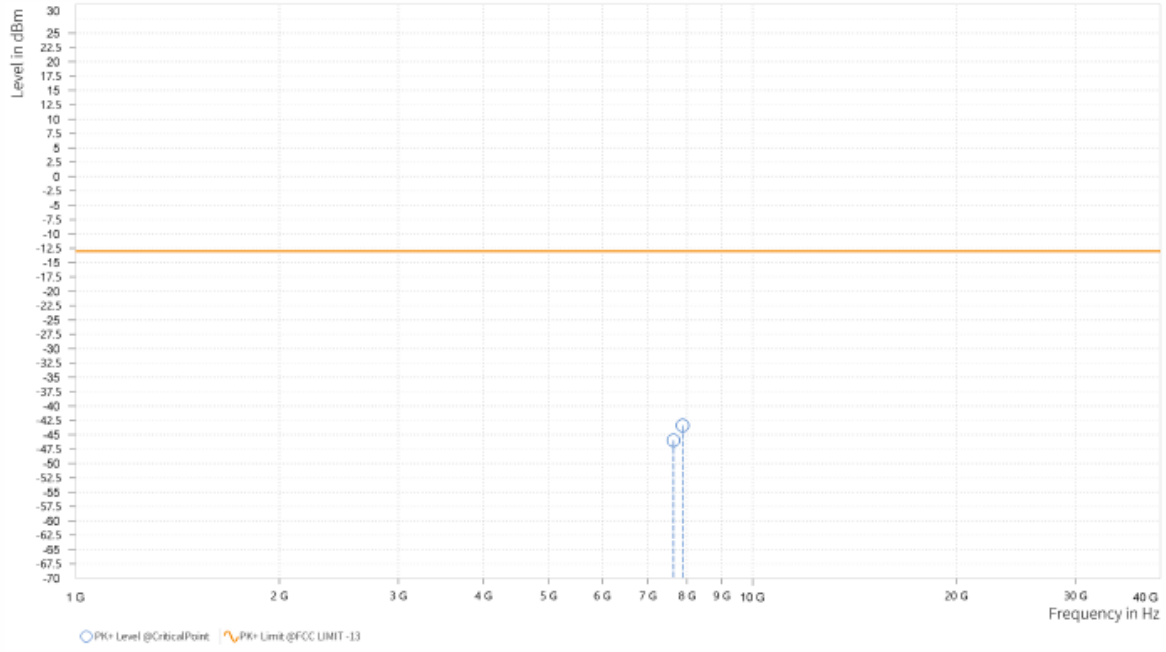
MODE	TX channel 656000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,639.500	-46.72	-13.00	33.72	32.35	H	55.7	2
5	7,857.500	-43.98	-13.00	30.98	32.98	H	55.7	2



MODE	TX channel 656000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

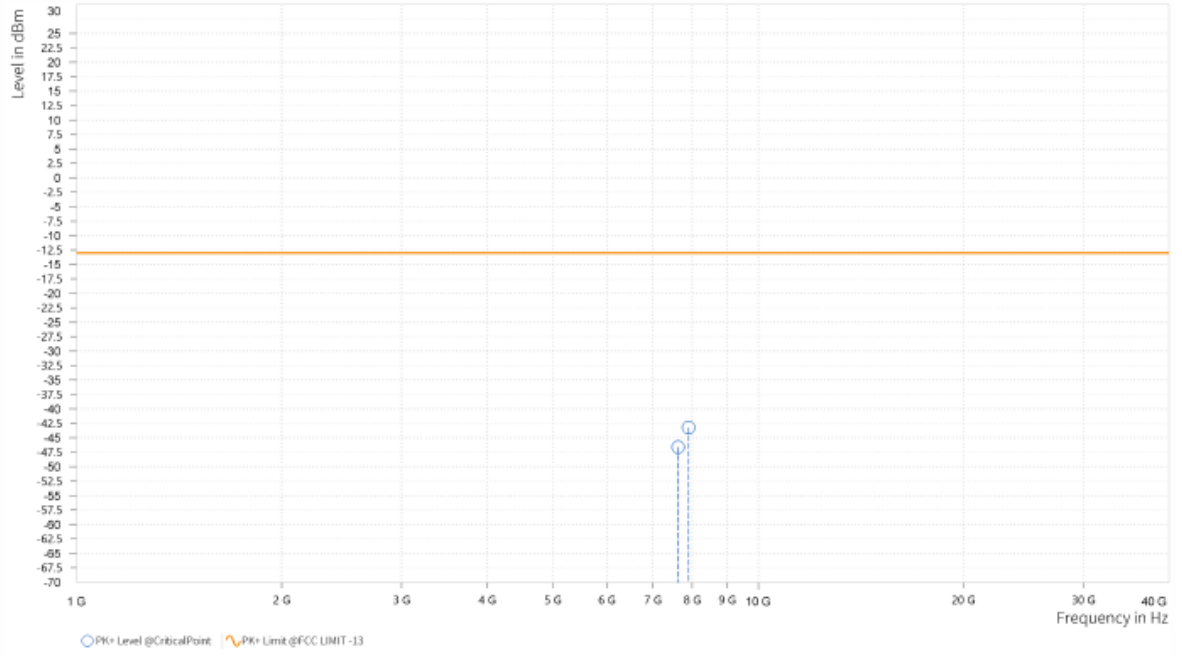
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,641.000	-45.98	-13.00	32.98	32.43	V	1	2
5	7,883.000	-43.39	-13.00	30.39	33.04	V	1	1



CHANNEL BANDWIDTH: 50MHz / QPSK

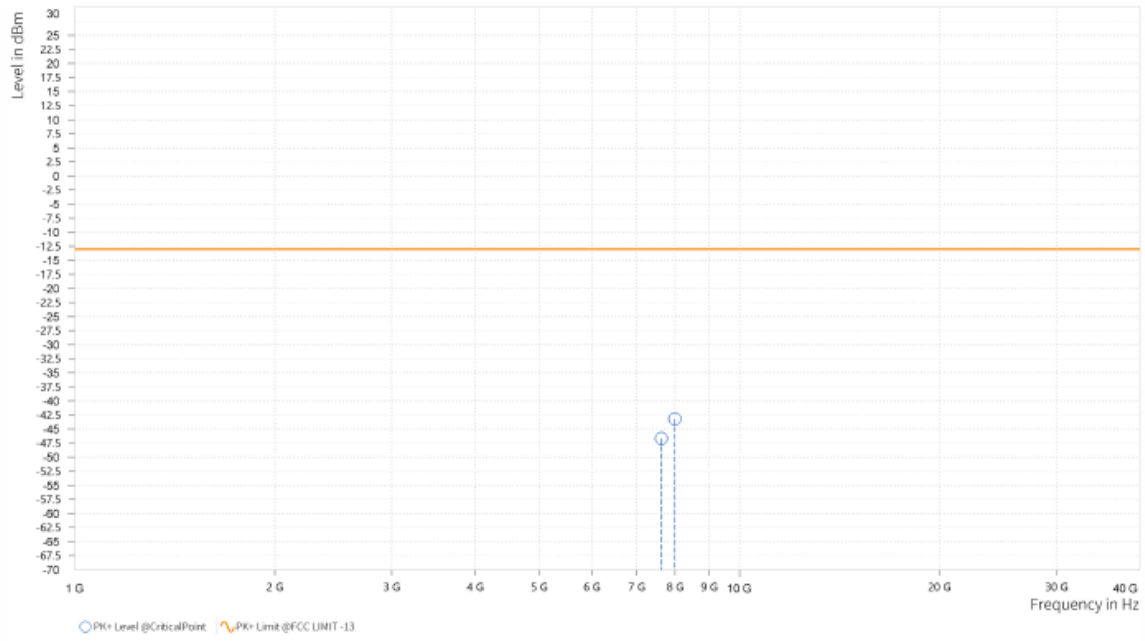
MODE	TX channel 656000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,629.000	-46.64	-13.00	33.64	32.29	H	359	2
5	7,903.500	-43.22	-13.00	30.22	33.01	H	1	1



MODE	TX channel 656000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

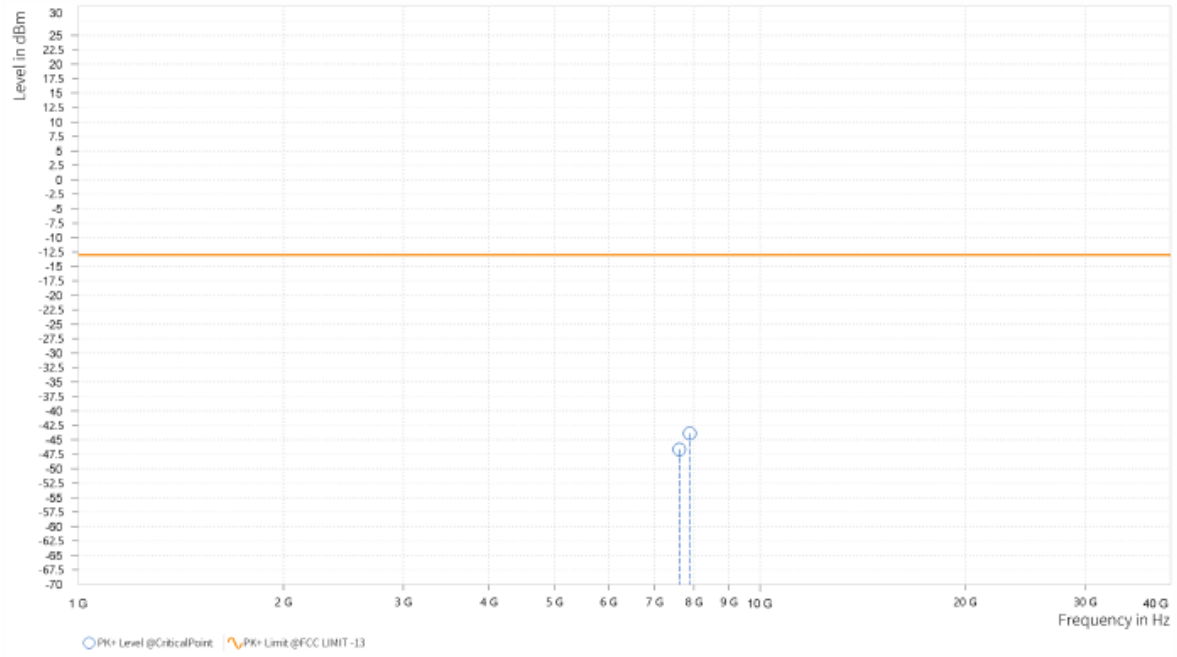
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,631.000	-46.66	-13.00	33.66	32.37	V	266.2	1
5	7,994.000	-43.19	-13.00	30.19	33.34	V	266.2	1



CHANNEL BANDWIDTH: 60MHz / QPSK

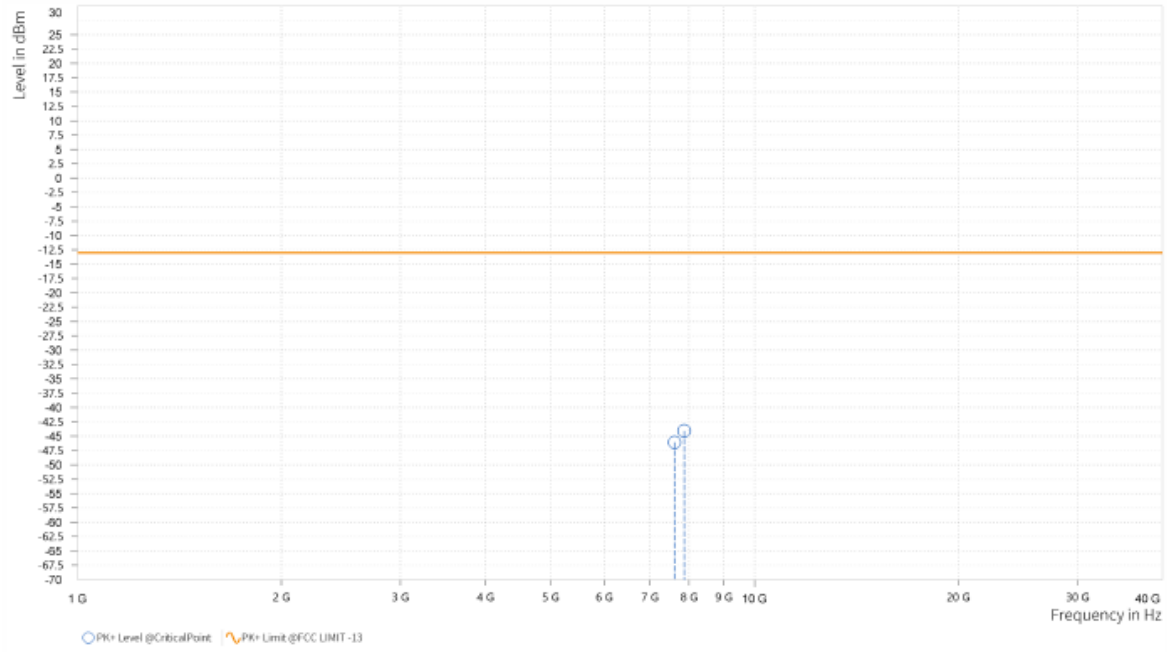
MODE	TX channel 656000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,620.000	-46.69	-13.00	33.69	32.24	H	1	1
5	7,887.500	-43.90	-13.00	30.90	33.01	H	1	1



MODE	TX channel 656000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,620.000	-46.10	-13.00	33.10	32.29	V	359	2
5	7,869.500	-44.07	-13.00	31.07	33.05	V	93.8	2

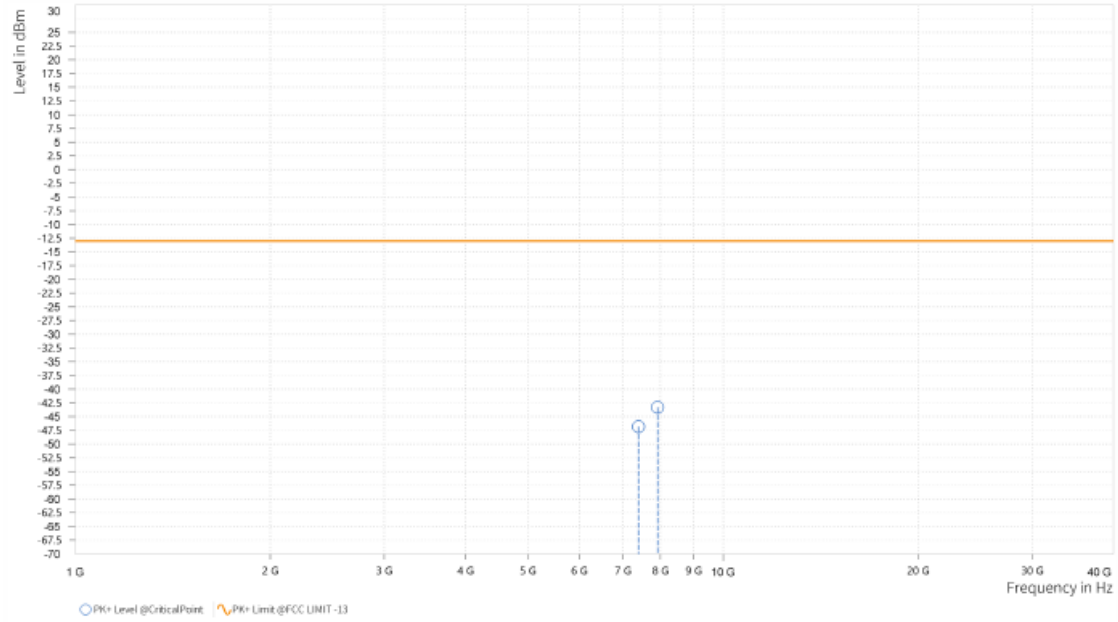


CHANNEL BANDWIDTH: 70MHz / QPSK

CH649000

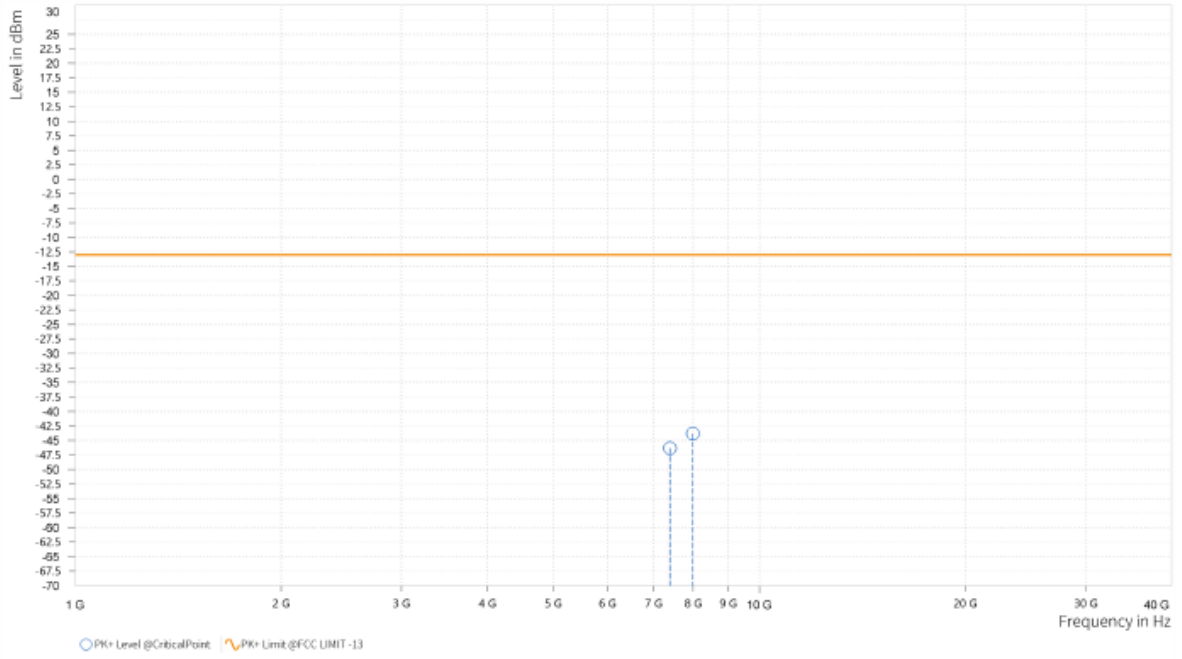
MODE	TX channel 649000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,400.000	-46.83	-13.00	33.83	31.56	H	1	2
5	7,921.000	-43.30	-13.00	30.30	33.00	H	359.1	1



MODE	TX channel 649000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

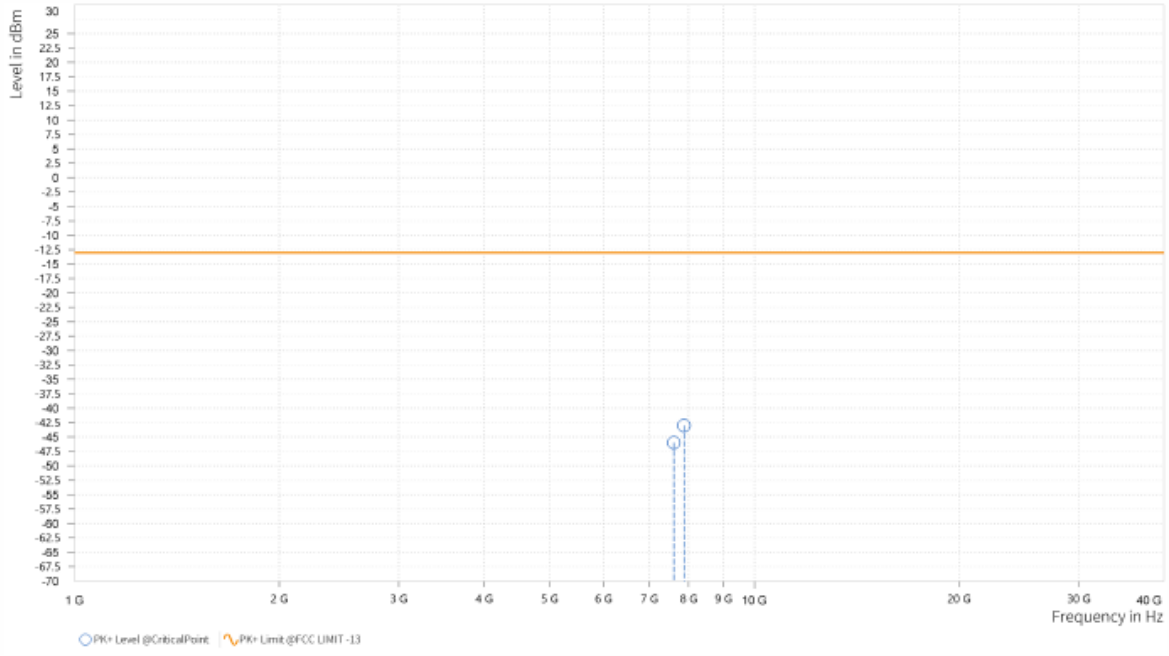
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,400.500	-46.33	-13.00	33.33	31.73	V	54.5	2
5	7,993.500	-43.80	-13.00	30.80	33.34	V	1	1



CH656000

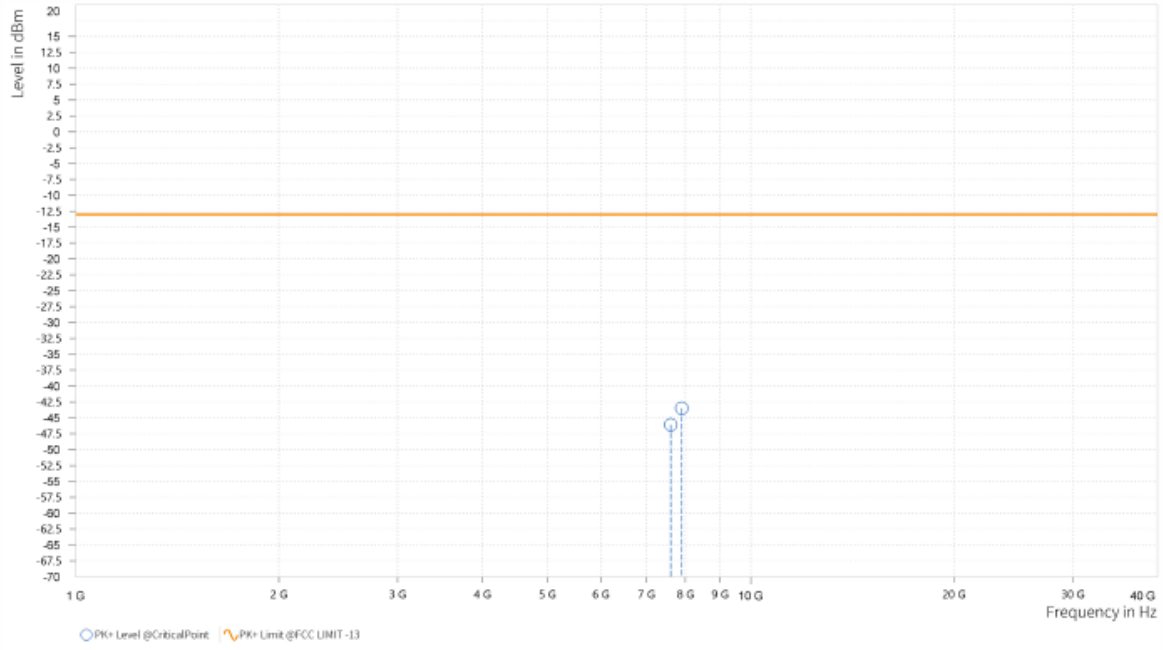
MODE	TX channel 656000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,610.000	-45.99	-13.00	32.99	32.19	H	359	2
5	7,878.000	-43.03	-13.00	30.03	33.00	H	0.9	2



MODE	TX channel 656000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

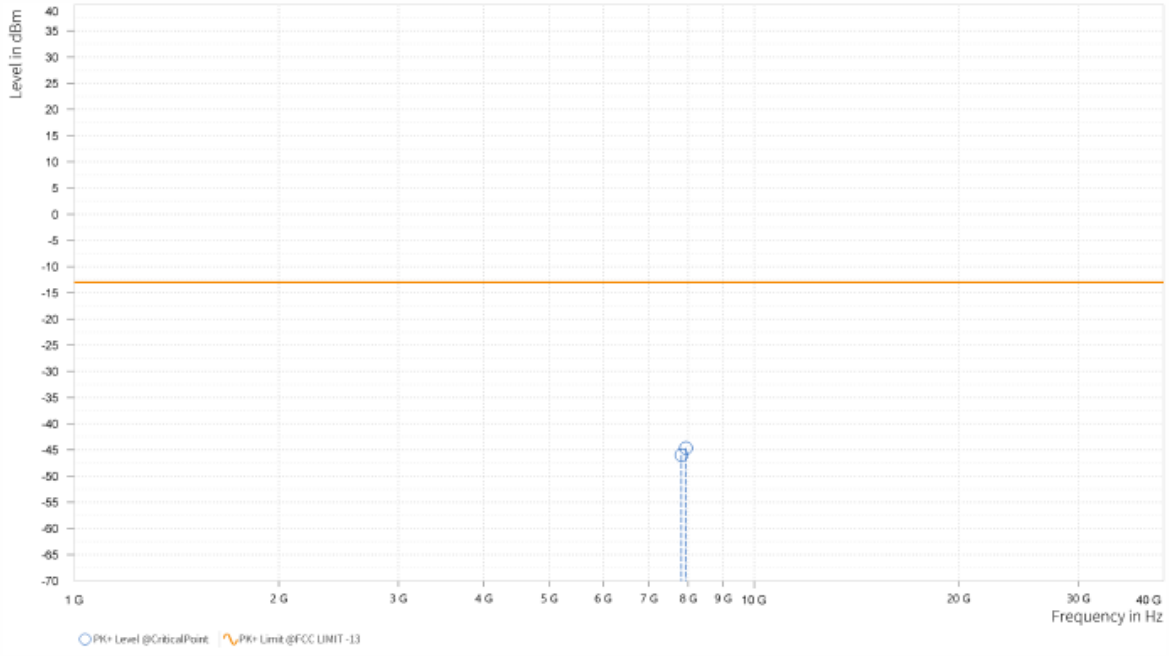
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,609.000	-46.08	-13.00	33.08	32.23	V	266.2	1
5	7,906.000	-43.49	-13.00	30.49	33.08	V	359	2



CH663000

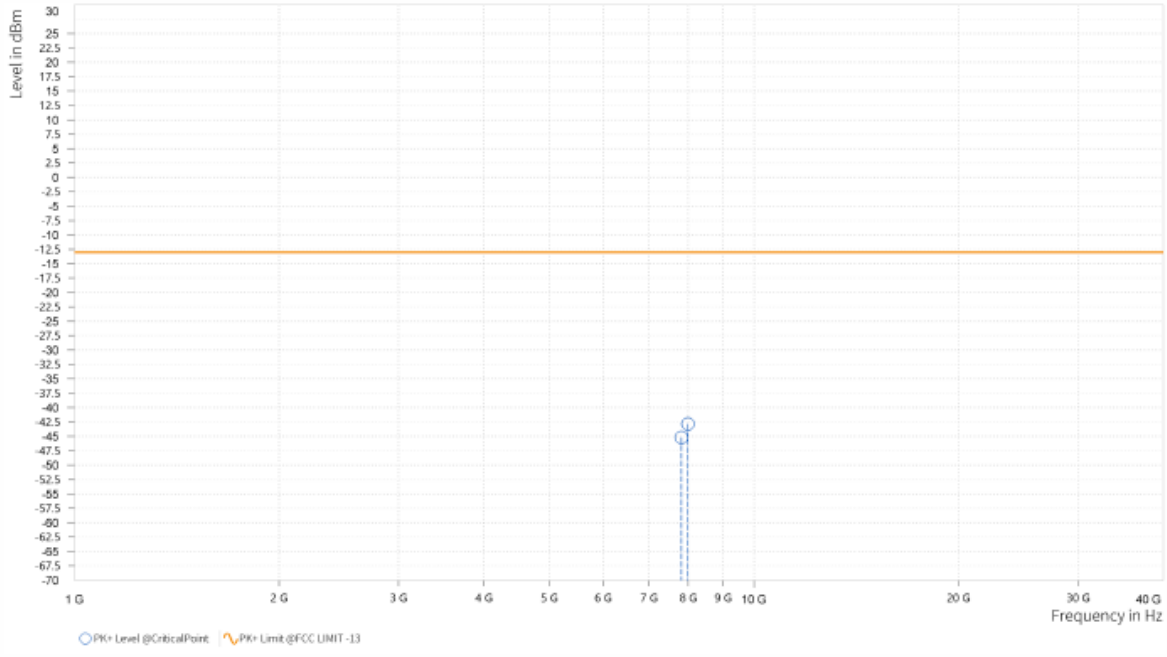
MODE	TX channel 663000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,820.000	-45.97	-13.00	32.97	32.95	H	359.1	1
5	7,944.000	-44.67	-13.00	31.67	32.99	H	1	2



MODE	TX channel 663000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

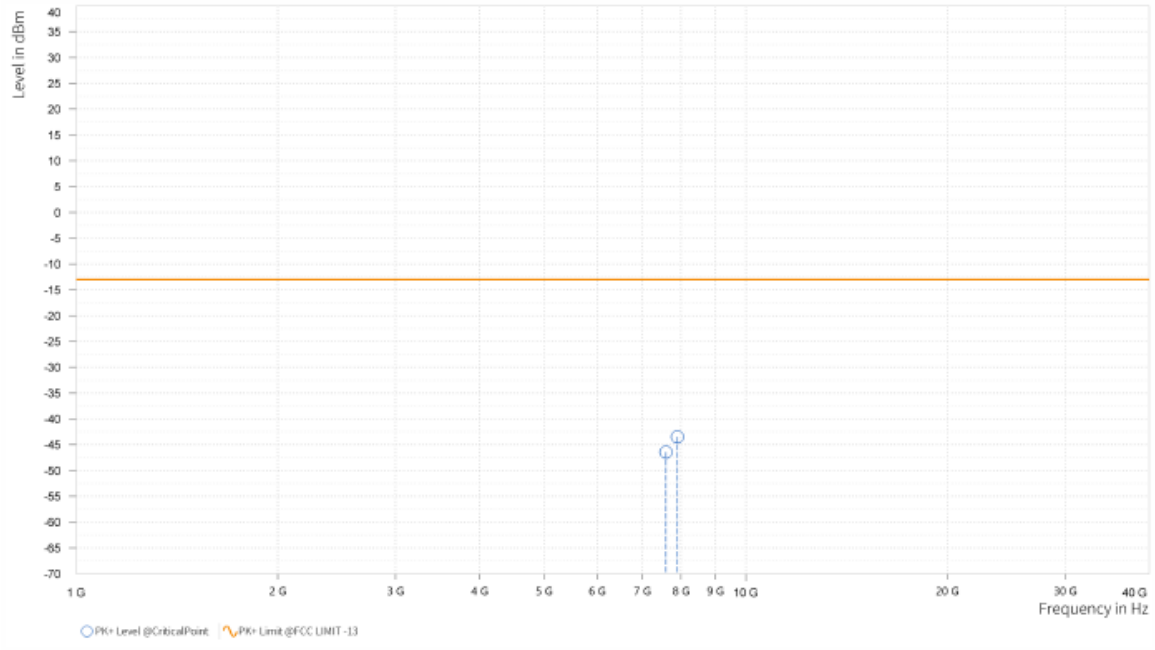
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,820.500	-45.21	-13.00	32.21	33.07	V	359.1	1
5	7,994.000	-42.86	-13.00	29.86	33.34	V	268.6	1



CHANNEL BANDWIDTH: 80MHz / QPSK

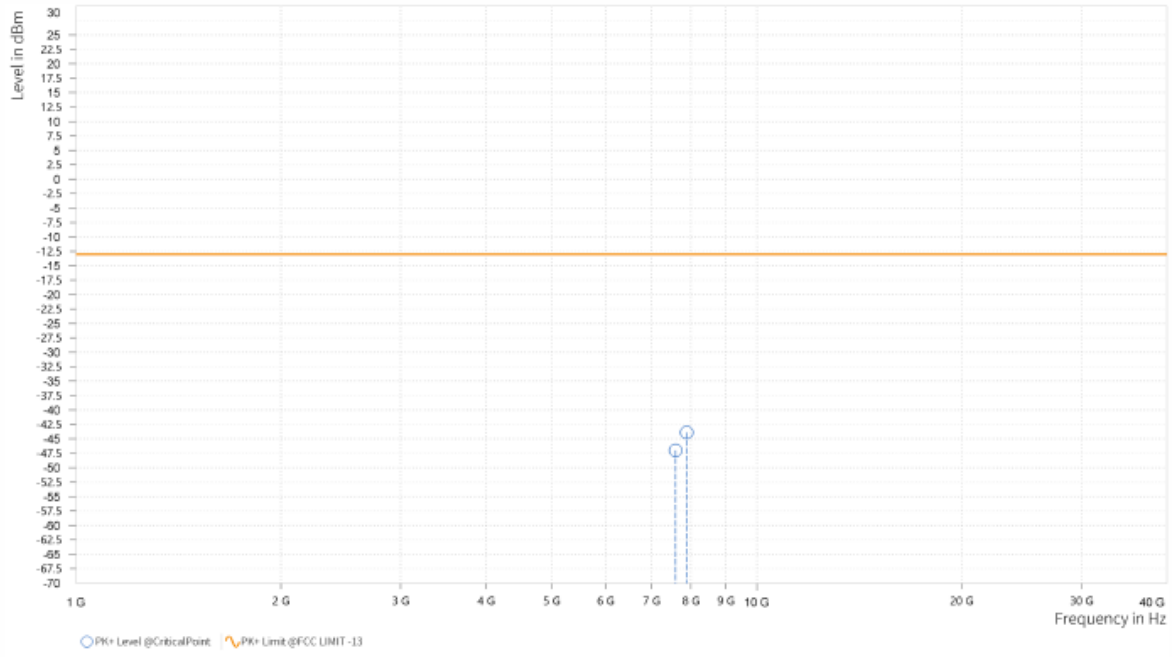
MODE	TX channel 656000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,600.000	-46.46	-13.00	33.46	32.18	H	55.6	2
5	7,903.000	-43.52	-13.00	30.52	33.01	H	340.6	1



MODE	TX channel 656000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

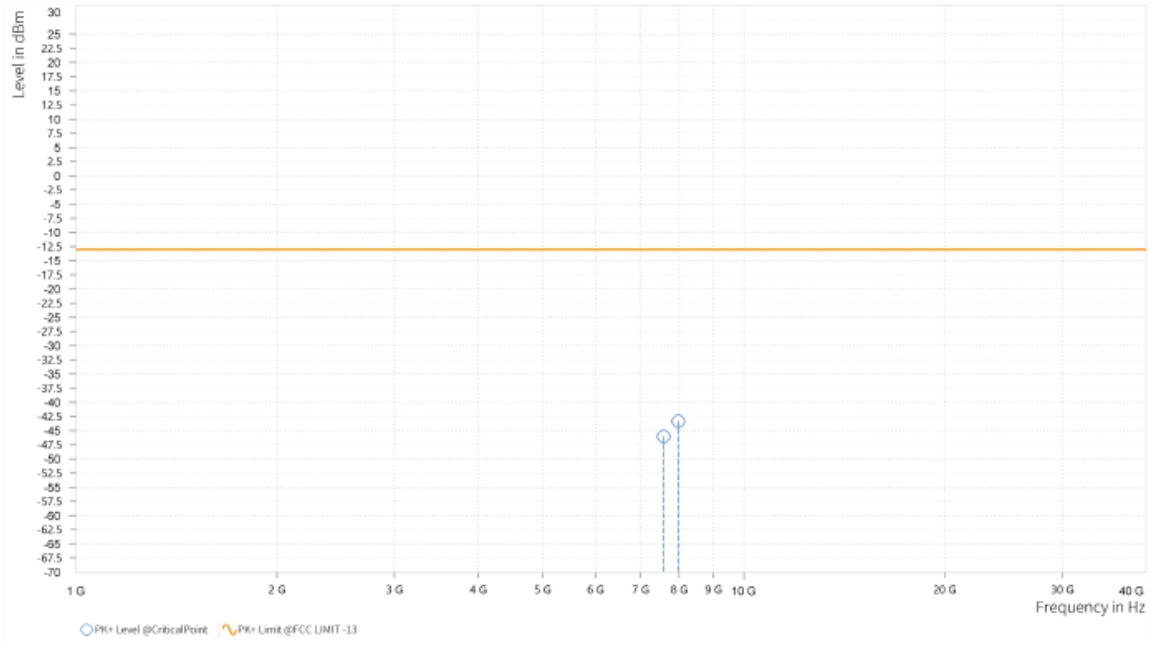
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,599.500	-47.02	-13.00	34.02	32.21	V	359	2
5	7,892.000	-43.89	-13.00	30.89	33.04	V	359	2



CHANNEL BANDWIDTH: 90MHz / QPSK

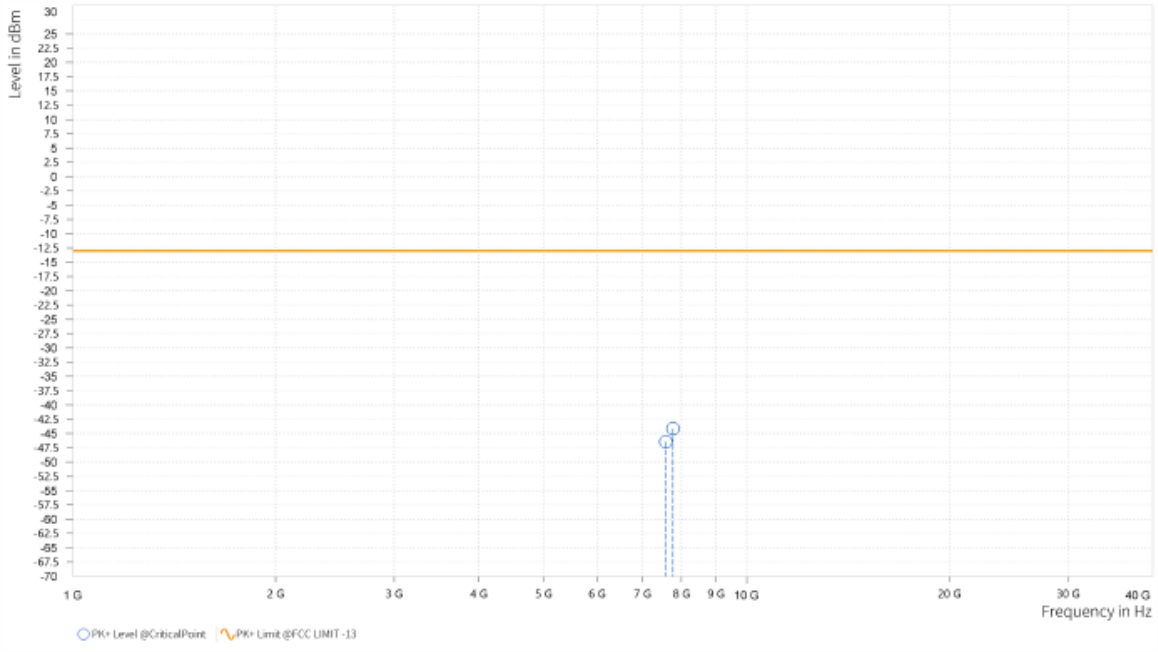
MODE	TX channel 656000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,589.500	-46.04	-13.00	33.04	32.17	H	1	1
5	7,981.000	-43.36	-13.00	30.36	33.03	H	359	2



MODE	TX channel 656000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

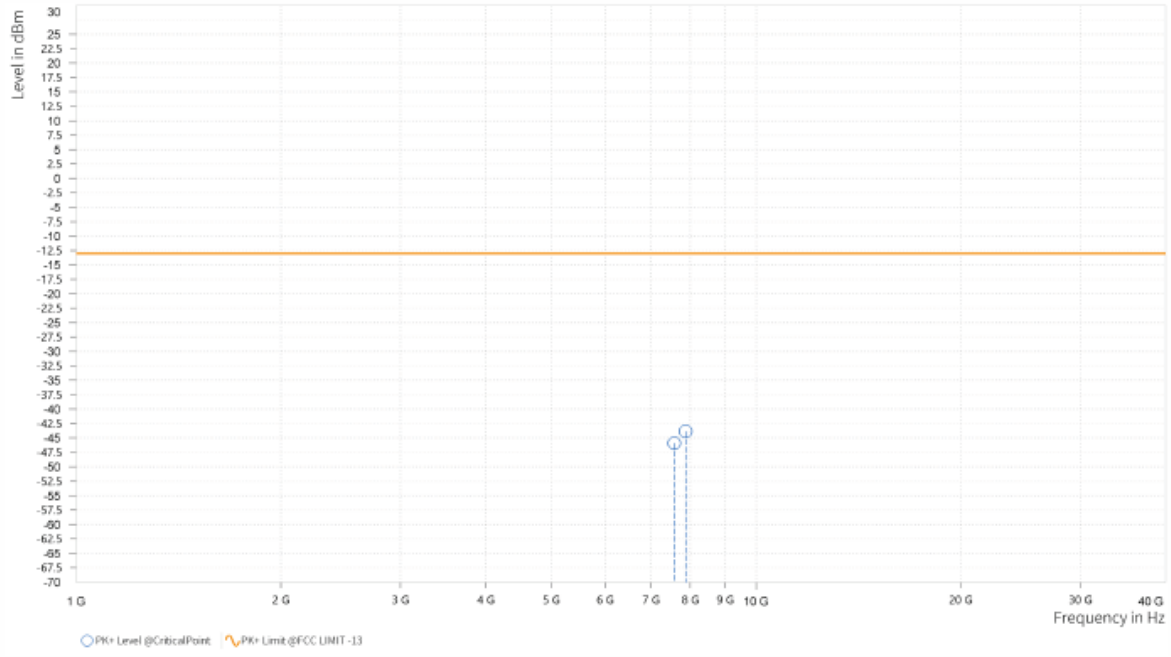
Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,589.500	-46.48	-13.00	33.48	32.19	V	1	2
5	7,775.000	-44.14	-13.00	31.14	33.03	V	359	1



CHANNEL BANDWIDTH: 100MHz / QPSK

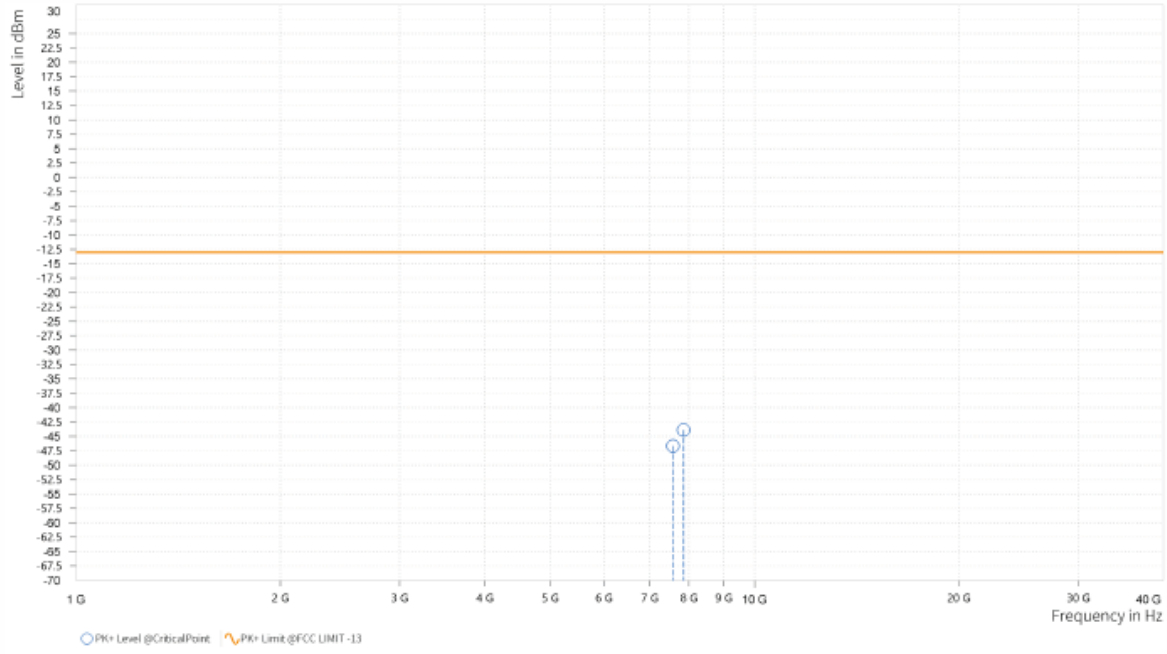
MODE	TX channel 656000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,580.500	-45.90	-13.00	32.90	32.16	H	0.9	2
5	7,876.000	-43.86	-13.00	30.86	33.00	H	340.6	1



MODE	TX channel 656000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M			

Rg	Frequency [MHz]	PK+ Level [dBm]	PK+ Limit [dBm]	PK+ Margin [dB]	Correction [dB]	Polarization	Azimuth [deg]	Antenna Height [m]
5	7,579.500	-46.66	-13.00	33.66	32.17	V	265	1
5	7,858.000	-43.89	-13.00	30.89	33.05	V	265	1



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:

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Tel: +86-755-88696566
Fax: +86-755-88696577

Email: customerservice.sw@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.

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---