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:	Mar. 15, 2022 ~ Jul. 30, 2022

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

☒ **FCC PART 22, Subpart H** ☒ **FCC PART 24, Subpart E** ☒ **FCC Part 27, Subpart C, M** ☒ **FCC Part 2**
☒ **ANSI/TIA/EIA-603-D** ☒ **ANSI C63.26-2015**
☒ **ANSI/TIA/EIA-603-E**

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: Jul. 30, 2022	Luke Lu Date: Jul. 30, 2022

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-220214W001RF05	Original release	Jul. 30, 2022

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1 SUMMARY OF TEST RESULTS

The EUT has been tested according to the following specifications:

APPLIED STANDARD: FCC Part 22/24/27 & Part 2		
STANDARD SECTION	**TEST TYPE**	**RESULT**
§2.1046	Conducted Output Power	Compliance
§22.913 (a)	Equivalent Radiated Power (5G NR n5)	Compliance
§24.232(c)	Equivalent Isotropically Radiated Power (5G NR n2)	Compliance
§2.1055 §22.355 §24.235	Frequency Stability	Compliance
§2.1049	Occupied Bandwidth	Compliance
§22.913 (d) §24.232(d)	Peak to average ratio*	Compliance
§2.1051 §22.917(a) §24.238(a)	Band Edge Measurements	Compliance
§2.1051 §22.917(a) §24.238(a)	Conducted Spurious Emissions	Compliance
§2.1053 §22.917(a) §24.238(a)	Radiated Spurious Emissions	Compliance

* Refer to KDB 971168 D01 Power Meas License Digital Systems v03r01.

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
Maximum Peak Output Power	±2.06dB
Frequency Stability	±76.97Hz
Radiated emissions (30MHz~1GMHz)	±4.98dB
Radiated emissions (1GMHz ~6GMHz)	±4.70dB
Radiated emissions (6GMHz ~18GMHz)	±4.60dB
Radiated emissions (18GMHz ~40GMHz)	±4.12dB
Conducted emissions	±4.01dB
Occupied Channel Bandwidth	±43.58KHz
Band Edge Measurements	±4.70dB
Peak to average ratio	±0.76dB

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

1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Feb. 18,22	Feb. 17,23
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.16,21	May.15,22
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	May.15,22	May.14,23
Loop Antenna	Schwarzbeck	FMZB 1519B	00173	Sep.05,21	Sep.04,22
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 06,22	Mar. 05,23
Horn Antenna	ETS-LINDGREN	3117	00168692	Mar. 06,22	Mar. 05,23
Horn Antenna (18GHz-40GHz)	N/A	QWH-SL-18-40-K-SG/QMS-00361	15433	Aug. 25, 21	Aug. 24, 22
Radio Communication Analyzer	ANRITSU	MT8820C	6201465426	Feb. 15,22	Feb. 14,23
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May.13,21	May.12,22
Signal Pre-Amplifier	EMSI	EMC 9135	980249	May.12,22	May.11,23
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.13,21	May.12,22
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	May.12,22	May.11,23
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Feb. 21,22	Feb.20,23
3m Semi-anechoic Chamber	ETS-LINDGREN	9m*6m*6m	Euroshieldpn-CT0001143-1216	May. 19,20	May. 18,23
Test Software	E3	V 9.160323	N/A	N/A	N/A
Test Software	JS1120	3.1.36	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	May. 08,21	May. 07,22
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	May. 07,22	May. 06,23
Power Meter	Anritsu	ML2495A	1506002	Feb. 22,22	Feb. 21,23
Power Sensor	Anritsu	MA2411B	1339352	May. 08,21	May. 07,22
Power Sensor	Anritsu	MA2411B	1339352	May. 07,22	May. 06,23
Temperature Chamber	ESPEC	SH-242	93000855	May. 13,21	May. 12,22
Temperature Chamber	ESPEC	SH-242	93000855	May. 12,22	May. 11,23
MXG Analog Microvave Signal Generator	KEYSIGHT	N5183A	MY50143024	Feb. 18,22	Feb. 17,23
Base station R&S CMW500	Rohde&Schwarz	CMW500	153085	May.13,21	May.12,22
Base station R&S CMW500	Rohde&Schwarz	CMW500	153085	May.12,22	May.11,23
DC Source	Kikusui/JP	PMX18-5A	0000001	Aug. 25,21	Aug. 24,22
Radio Communication Analyzer	Starpoint	SP9500-CTS	20460	Oct. 14,21	Oct. 13,22

NOTE: 1. The calibration interval of the above test instruments is 12 months or 24 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 TYPE	**NR Band n2/n5**	DFT-s-OFMA(π/2 BPSK,QPSK,16QAM,64QAM,256QAM); CP-OFMA(QPSK,16QAM,64QAM,256QAM);
SUPPORT ENDC COMBINE	**NR Band n2**	5A_n2
		12A_n2
		14A_n2
	NR Band n5	2A_n5
		66A_n5
FREQUENCY RANGE	**NR Band n2**	1852.5MHz ~ 1907.5MHz
	NR Band n5	826.5MHz ~ 846.5MHz
MAX. ERP POWER MAX. ERP/EIRP POWER	**NR Band n2 Channel Bandwidth: 5MHz**	421.70mW
	NR Band n2 Channel Bandwidth: 10MHz	418.79mW
	NR Band n2 Channel Bandwidth: 15MHz	422.67mW
	NR Band n2 Channel Bandwidth: 20MHz	423.64mW
	NR Band n5 Channel Bandwidth: 5MHz	171.00mW
	NR Band n5 Channel Bandwidth: 10MHz	172.19mW

	NR Band n5 Channel Bandwidth: 15MHz	171.79mW
	NR Band n5 Channel Bandwidth: 20MHz	172.98mW
EMISSION DESIGNATORGOGN	**NR Band n5 Channel Bandwidth: 5MHz**	2BPSK: 4M51G7D
		QPSK: 4M49G7D
		16QAM: 4M49W7D
		64QAM: 4M50W7D
		256QAM: 4M50W7D
	NR Band n5 Channel Bandwidth: 10MHz	2BPSK: 8M92G7D
		QPSK: 8M91G7D
		16QAM: 8M92W7D
		64QAM: 8M91W7D
		256QAM: 8M92W7D
	NR Band n5 Channel Bandwidth: 15MHz	2BPSK: 13M5G7D
		QPSK: 13M5G7D
		16QAM: 13M5W7D
		64QAM: 13M5W7D
		256QAM: 13M5W7D
	NR Band n5 Channel Bandwidth: 20MHz	2BPSK: 17M9G7D
		QPSK: 17M9G7D
		16QAM: 17M9W7D
		64QAM: 17M9W7D
		256QAM: 17M9W7D
ANTENNA TYPE	Monopole Antenna with 2.45dBi gain for NR Band n2 Monopole Antenna with 0.58dBi gain for NR Band n5	
HW VERSION	P4.1	
SW VERSION	MODEMSA515M_LE2.1_01.12.13	
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 incorporates a SISO function. Physically, the EUT provides one completed transmitter and one receiver.

MODULATION MODE	TX FUNCTION
5G NR	1TX/4RX

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

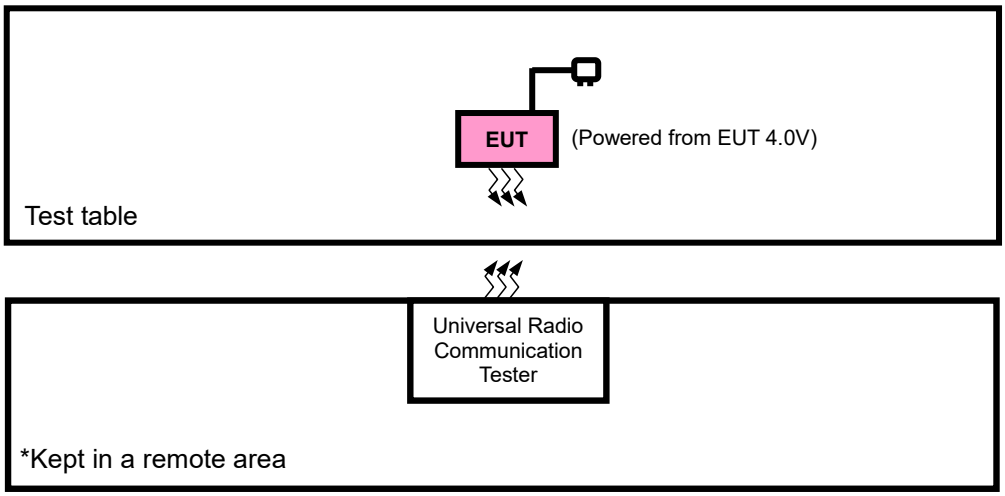
4. Max ERP/EIRP is according to Max conducted power calculate for EN_DC combine.

5. 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



2.3 DESCRIPTION OF SUPPORT UNITS

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

NO.	PRODUCT	BRAND	MODEL NO.	SERIAL NO.	FCC ID
1	DC source	Kikusui/JP	PMX18-5A	0000001	N/A

NO.	SIGNAL CABLE DESCRIPTION OF THE ABOVE SUPPORT UNITS
1	DC Line: 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 + DC source + 5G NR link**

5G **NR n2 MODE (DC_5A_n2/ DC_12A_n2/ DC_14A_n2)**

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	370500 to 381500	370500 to 381500	Low, Middle, High	5MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		371000 to 381000	371000 to 381000	Low, Middle, High	10MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		371500 to 380500	371500 to 380500	Low, Middle, High	15MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		372000 to 513500	372000 to 513500	Low, Middle, High	20MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	RADIATED EMISSION	370500 to 381500	370500 to 381500	Low, Middle, High	5MHz	Pi/2BPSK	1RB/ 0RB Offset
		371000 to 381000	371000 to 381000	Low, Middle, High	10MHz	Pi/2BPSK	1RB/ 0RB Offset
		371500 to 380500	371500 to 380500	Low, Middle, High	15MHz	Pi/2BPSK	1RB/ 0RB Offset
		372000 to 513500	372000 to 513500	Low, Middle, High	20MHz	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 calculate presented in the report from worst ENDC 5A_n2 combination.

3. NSA n2 are covered by SA n25, Because it is a subset of SA n25 with the same output power and supported bandwidths, So the conducted test data please refer to report for details W7L-220214W001RF06 & Appendix F.

5G NR n5 MODE (DC_2A_n5/ DC_66A_n5)

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	ERP	165300 to 169300	165300 to 169300	Low, Middle, High	5MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		165800 to 168800	165800 to 168800	Low, Middle, High	10MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		166300 to 168300	166300 to 168300	Low, Middle, High	15MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
		166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
A	FREQUENCY STABILITY	166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	Pi/2BPSK	Outer_ Full
A	OCCUPIED BANDWIDTH	165300 to 169300	165300 to 169300	Middle	5MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		165800 to 168800	165800 to 168800	Middle	10MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		166300 to 168300	166300 to 168300	Middle	15MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		166800 to 167800	166800 to 167800	Middle	20MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	165300 to 169300	165300 to 169300	Low	5MHz	Pi/2BPSK	1RB/ 0RB Offset
							1RB/ 24RB Offset
							Outer_ Full
				High	5MHz	Pi/2BPSK	1RB/ 0RB Offset
							1RB/ 24RB Offset
							Outer_ Full
		165800 to 168800	165800 to 168800	Low	10MHz	Pi/2BPSK	1RB/ 0RB Offset
							1RB/ 51RB Offset
							Outer_ Full
				High	10MHz	Pi/2BPSK	1RB/ 0RB Offset
							1RB/ 51RB Offset
							Outer_ Full
		166300 to 168300	166300 to 168300	Low	15MHz	Pi/2BPSK	1RB/ 0RB Offset
							1RB/ 78RB Offset
							Outer_ Full
				High	15MHz	Pi/2BPSK	1RB/ 0RB Offset
							1RB/ 78RB Offset
							Outer_ Full

		166800 to 167800	166800 to 167800	Low	20MHz	Pi/2BPSK	1RB/ 0RB Offset
							1RB/ 105RB Offset
							Outer_ Full
				High	20MHz	Pi/2BPSK	1RB/ 0RB Offset
							1RB/ 105RB Offset
							Outer_ Full
A	CONDUCTED EMISSION	165300 to 169300	165300 to 169300	Low, Middle, High	5MHz	Pi/2BPSK	1RB/ 0RB Offset
		165800 to 168800	165800 to 168800	Low, Middle, High	10MHz	Pi/2BPSK	1RB/ 0RB Offset
		166300 to 168300	166300 to 168300	Low, Middle, High	15MHz	Pi/2BPSK	1RB/ 0RB Offset
		166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	Pi/2BPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	165300 to 169300	165300 to 169300	Low, Middle, High	5MHz	Pi/2BPSK	1RB/ 0RB Offset
		165800 to 168800	165800 to 168800	Low, Middle, High	10MHz	Pi/2BPSK	1RB/ 0RB Offset
		166300 to 168300	166300 to 168300	Low, Middle, High	15MHz	Pi/2BPSK	1RB/ 0RB Offset
		166800 to 167800	166800 to 167800	Low, Middle, High	20MHz	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 test data presented in the report from worst ENDC 2A_n5 combination.

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP&EIRP	23deg. C, 70%RH	EUT 4.0V	Jace Hu
FREQUENCY STABILITY	23deg. C, 70%RH	EUT 4.0V	James Fu
OCCUPIED BANDWIDTH	23deg. C, 70%RH	EUT 4.0V	James Fu
BAND EDGE	23deg. C, 70%RH	EUT 4.0V	James Fu
CONDCUDETED EMISSION	23deg. C, 70%RH	EUT 4.0V	James Fu
RADIATED EMISSION	23deg. C, 70%RH	EUT 4.0V	Jace Hu
PEAK TO AVERAGE RATIO	23deg. C, 70%RH	EUT 4.0V	James Fu

2.5 EUT OPERATING CONDITIONS

The EUT makes a call to the communication simulator. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency

2.6 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 22

FCC 47 CFR Part 24

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

According to the specific rule Part 22 ,Mobile / Portable station are limited to 7 watts e.r.p.for N5

According to the specific rule Part 24,Mobile and portable stations are limited to 2 watts EIRP for N2

3.1.2 TEST PROCEDURES

EIRP / ERP 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.

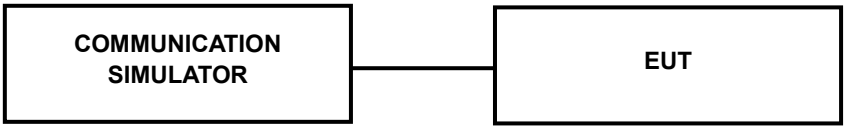
CONDUCTED POWER MEASUREMENT:

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

3.1.3 TEST SETUP

EIRP / ERP Measurement:

CONDUCTED POWER MEASUREMENT:



3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)

5A_n2

BW	MCS Index	RB	RB Size	RB Offset	Low CH 370500 Frequency 1852.5MHz	Mid CH 376000 Frequency 1880MHz	High CH 381500 Frequency 1907.5MHz	Max. Tune-up (dBm)
5M	CP-OFDM QPSK	Outer	1	0	20.34	20.54	20.37	22
			1	24	20.26	20.44	20.34	22
			2	0	20.59	20.74	20.61	22
			2	23	20.61	20.84	20.67	22
			25	0	20.55	20.70	20.61	22
		Inner	1	1	22.77	22.97	22.81	24
			1	23	22.71	22.89	22.79	24
			13	6	23.09	23.31	23.15	24
	CP-OFDM 16QAM	Outer	1	0	20.44	20.54	20.47	22
			1	24	20.33	20.51	20.36	22
			2	0	20.26	20.46	20.29	22
			2	23	20.34	20.47	20.41	22
			25	0	20.48	20.63	20.50	22
		Inner	1	1	21.53	21.67	21.60	23
			1	23	21.56	21.71	21.52	23
			13	6	21.61	21.74	21.63	23
	CP-OFDM 64QAM	Outer	1	0	19.55	19.66	19.57	21
			1	24	19.59	19.73	19.62	21
			2	0	19.77	19.87	19.80	21
			2	23	19.80	19.93	19.87	21
			25	0	20.03	20.23	20.09	21
		Inner	1	1	19.57	19.70	19.61	21
			1	23	19.55	19.66	19.55	21
			13	6	20.07	20.30	20.16	21
	CP-OFDM 256QAM	Outer	1	0	17.29	17.44	17.28	18
			1	24	17.29	17.52	17.38	18
			2	0	16.80	16.96	16.84	18
			2	23	16.74	16.84	16.78	18
			25	0	17.17	17.30	17.13	18
		Inner	1	1	17.42	17.59	17.43	18
			1	23	17.26	17.43	17.27	18
			13	6	17.14	17.31	17.22	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371000 Frequency 1855MHz	Mid CH 376000 Frequency 1880MHz	High CH 381000 Frequency 1905MHz	Max. Tune-up (dBm)
10M	CP-OFDM QPSK	Outer	1	0	20.35	20.49	20.38	22
			1	51	20.31	20.41	20.34	22
			2	0	20.58	20.71	20.65	22
			2	50	20.65	20.80	20.67	22
			52	0	20.51	20.74	20.57	22
		Inner	1	1	22.79	22.94	22.85	24
			1	50	22.72	22.92	22.76	24
			26	13	23.10	23.28	23.18	24
	CP-OFDM 16QAM	Outer	1	0	20.38	20.60	20.44	22
			1	51	20.39	20.49	20.42	22
			2	0	20.24	20.42	20.27	22
			2	50	20.33	20.53	20.36	22
			52	0	20.45	20.63	20.53	22
		Inner	1	1	21.53	21.68	21.57	23
			1	50	21.50	21.68	21.58	23
			26	13	21.58	21.80	21.63	23
	CP-OFDM 64QAM	Outer	1	0	19.48	19.71	19.57	21
			1	51	19.60	19.75	19.59	21
			2	0	19.71	19.94	19.80	21
			2	50	19.81	19.96	19.80	21
			52	0	20.05	20.25	20.11	21
		Inner	1	1	19.54	19.69	19.58	21
			1	50	19.50	19.68	19.58	21
			26	13	20.07	20.29	20.12	21
	CP-OFDM 256QAM	Outer	1	0	17.25	17.48	17.34	18
			1	51	17.33	17.48	17.32	18
			2	0	16.77	17.00	16.86	18
			2	50	16.71	16.87	16.75	18
			52	0	17.16	17.26	17.20	18
		Inner	1	1	17.38	17.58	17.44	18
			1	50	17.25	17.38	17.29	18
			26	13	17.18	17.29	17.18	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371500	Mid CH 376000	High CH 380500	Max. Tune-up (dBm)
					Frequency 1857.5MHz	Frequency 1880MHz	Frequency 1902.5MHz	
15M	CP-OFDM QPSK	Outer	1	0	20.39	20.52	20.35	22
			1	78	20.29	20.46	20.30	22
			2	0	20.61	20.78	20.62	22
			2	77	20.63	20.80	20.71	22
			79	0	20.58	20.73	20.57	22
		Inner	1	1	22.75	22.92	22.84	24
			1	77	22.77	22.90	22.78	24
			39	19	23.14	23.32	23.14	24
	CP-OFDM 16QAM	Outer	1	0	20.42	20.57	20.47	22
			1	78	20.35	20.55	20.41	22
			2	0	20.30	20.40	20.34	22
			2	77	20.31	20.51	20.37	22
			79	0	20.49	20.62	20.53	22
		Inner	1	1	21.58	21.70	21.54	23
			1	77	21.51	21.70	21.56	23
			39	19	21.64	21.75	21.64	23
	CP-OFDM 64QAM	Outer	1	0	19.50	19.64	19.57	21
			1	78	19.63	19.78	19.59	21
			2	0	19.72	19.87	19.76	21
			2	77	19.83	20.00	19.84	21
			79	0	20.09	20.19	20.13	21
		Inner	1	1	19.52	19.72	19.58	21
			1	77	19.55	19.65	19.59	21
			39	19	20.07	20.27	20.13	21
	CP-OFDM 256QAM	Outer	1	0	17.30	17.43	17.34	18
			1	78	17.35	17.46	17.35	18
			2	0	16.79	16.93	16.86	18
			2	77	16.75	16.90	16.71	18
			79	0	17.11	17.26	17.15	18
		Inner	1	1	17.43	17.56	17.47	18
			1	77	17.26	17.37	17.26	18
			39	19	17.14	17.28	17.21	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 372000 Frequency 1860MHz	Mid CH 376000 Frequency 1880MHz	High CH 380000 Frequency 1900MHz	Max. Tune-up (dBm)
20M	CP-OFDM QPSK	Outer	1	0	20.40	20.56	20.43	22
			1	105	20.33	20.49	20.36	22
			2	0	20.63	20.79	20.66	22
			2	104	20.69	20.85	20.72	22
			106	0	20.59	20.75	20.62	22
		Inner	1	1	22.83	22.99	22.86	24
			1	104	22.78	22.94	22.81	24
			53	26	23.17	23.33	23.20	24
	CP-OFDM 16QAM	Outer	1	0	20.46	20.62	20.49	22
			1	105	20.41	20.57	20.44	22
			2	0	20.32	20.48	20.35	22
			2	104	20.39	20.55	20.42	22
			106	0	20.52	20.68	20.55	22
		Inner	1	1	21.59	21.75	21.62	23
			1	104	21.57	21.73	21.60	23
			53	26	21.66	21.82	21.69	23
	CP-OFDM 64QAM	Outer	1	0	19.56	19.72	19.59	21
			1	105	19.64	19.80	19.67	21
			2	0	19.79	19.95	19.82	21
			2	104	19.85	20.01	19.88	21
			106	0	20.11	20.27	20.14	21
		Inner	1	1	19.60	19.76	19.63	21
			1	104	19.57	19.73	19.60	21
			53	26	20.15	20.31	20.18	21
	CP-OFDM 256QAM	Outer	1	0	17.33	17.49	17.36	18
			1	105	17.37	17.53	17.40	18
			2	0	16.85	17.01	16.88	18
			2	104	16.76	16.92	16.79	18
			106	0	17.18	17.34	17.21	18
		Inner	1	1	17.46	17.62	17.49	18
			1	104	17.28	17.44	17.31	18
			53	26	17.20	17.36	17.23	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 370500 Frequency 1852.5MHz	Mid CH 376000 Frequency 1880MHz	High CH 381500 Frequency 1907.5MHz	Max. Tune-up (dBm)
5M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.90	23.40	23.07	24
			1	24	22.67	23.15	22.89	24
			2	0	22.67	23.12	22.83	24
			2	23	22.60	23.13	22.80	24
			25	0	22.77	23.22	22.97	24
		Inner	1	1	23.07	23.57	23.25	24
			1	23	23.10	23.58	23.32	24
			12	6	23.28	23.80	23.48	24
	DFT-s-OFDM QPSK	Outer	1	0	23.03	23.43	23.20	24
			1	24	23.06	23.54	23.23	24
			2	0	23.13	23.63	23.30	24
			2	23	23.15	23.58	23.36	24
			25	0	22.27	22.72	22.43	24
		Inner	1	1	23.09	23.53	23.30	24
			1	23	23.16	23.61	23.26	24
			12	6	23.24	23.67	23.40	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.13	21.54	21.29	23
			1	24	21.13	21.57	21.30	23
			2	0	21.09	21.49	21.26	23
			2	23	21.00	21.43	21.21	23
			25	0	21.25	21.75	21.45	23
		Inner	1	1	22.42	22.85	22.60	24
			1	23	22.51	22.92	22.65	24
			12	6	22.21	22.74	22.44	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.13	21.58	21.26	23
			1	24	21.06	21.59	21.29	23
			2	0	21.13	21.59	21.31	23
			2	23	21.10	21.50	21.28	23
			25	0	21.24	21.67	21.34	23
		Inner	1	1	22.01	22.48	22.16	23
			1	23	22.08	22.55	22.23	23
			12	6	22.30	22.77	22.52	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.06	20.51	20.19	21.5
			1	24	19.98	20.45	20.21	21.5
			2	0	20.65	21.08	20.80	21.5
			2	23	20.68	21.16	20.82	21.5
			25	0	20.78	21.23	20.97	21.5
		Inner	1	1	20.04	20.54	20.24	21.5
			1	23	20.10	20.53	20.28	21.5
			12	6	20.85	21.27	20.95	21.5

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371000 Frequency 1855MHz	Mid CH 376000 Frequency 1880MHz	High CH 381000 Frequency 1905MHz	Max. Tune-up (dBm)
10M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.91	23.35	23.08	24
			1	51	22.72	23.12	22.89	24
			2	0	22.66	23.09	22.87	24
			2	50	22.64	23.09	22.80	24
			50	0	22.73	23.26	22.93	24
		Inner	1	1	23.09	23.54	23.29	24
			1	50	23.11	23.61	23.29	24
			25	12	23.29	23.77	23.51	24
	DFT-s-OFDM QPSK	Outer	1	0	22.97	23.49	23.17	24
			1	51	23.12	23.52	23.29	24
			2	0	23.11	23.59	23.28	24
			2	50	23.14	23.64	23.31	24
			50	0	22.24	22.72	22.46	24
		Inner	1	1	23.09	23.54	23.27	24
			1	50	23.10	23.58	23.32	24
			25	12	23.21	23.73	23.40	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.06	21.59	21.29	23
			1	51	21.14	21.59	21.27	23
			2	0	21.03	21.56	21.26	23
			2	50	21.01	21.46	21.14	23
			50	0	21.27	21.77	21.47	23
		Inner	1	1	22.39	22.84	22.57	24
			1	50	22.46	22.94	22.68	24
			25	12	22.21	22.73	22.40	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.09	21.62	21.32	23
			1	51	21.10	21.55	21.23	23
			2	0	21.10	21.63	21.33	23
			2	50	21.07	21.53	21.25	23
			50	0	21.23	21.63	21.41	23
		Inner	1	1	21.97	22.47	22.17	23
			1	50	22.07	22.50	22.25	23
			25	12	22.34	22.75	22.48	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.01	20.45	20.22	21.5
			1	51	20.05	20.50	20.15	21.5
			2	0	20.61	21.04	20.77	21.5
			2	50	20.70	21.11	20.86	21.5
			50	0	20.77	21.26	20.92	21.5
		Inner	1	1	20.08	20.48	20.26	21.5
			1	50	20.05	20.55	20.25	21.5
			25	12	20.84	21.24	21.02	21.5

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371500 Frequency 1857.5MHz	Mid CH 376000 Frequency 1880MHz	High CH 380500 Frequency 1902.5MHz	Max. Tune-up (dBm)
15M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.95	23.38	23.05	24
			1	78	22.70	23.17	22.85	24
			2	0	22.69	23.16	22.84	24
			2	77	22.62	23.09	22.84	24
			75	0	22.80	23.25	22.93	24
		Inner	1	1	23.05	23.52	23.28	24
			1	77	23.16	23.59	23.31	24
			36	18	23.33	23.81	23.47	24
	DFT-s-OFDM QPSK	Outer	1	0	23.01	23.46	23.20	24
			1	78	23.08	23.58	23.28	24
			2	0	23.17	23.57	23.35	24
			2	77	23.12	23.62	23.32	24
			75	0	22.28	22.71	22.46	24
		Inner	1	1	23.14	23.56	23.24	24
			1	77	23.11	23.60	23.30	24
			36	18	23.27	23.68	23.41	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.08	21.52	21.29	23
			1	78	21.17	21.62	21.27	23
			2	0	21.04	21.49	21.22	23
			2	77	21.03	21.50	21.18	23
			75	0	21.31	21.71	21.49	23
		Inner	1	1	22.37	22.87	22.57	24
			1	77	22.51	22.91	22.69	24
			36	18	22.21	22.71	22.41	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.14	21.57	21.32	23
			1	78	21.12	21.53	21.26	23
			2	0	21.12	21.56	21.33	23
			2	77	21.11	21.56	21.21	23
			75	0	21.18	21.63	21.36	23
		Inner	1	1	22.02	22.45	22.20	23
			1	77	22.08	22.49	22.22	23
			36	18	22.30	22.74	22.51	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.05	20.45	20.23	21.5
			1	78	19.98	20.48	20.18	21.5
			2	0	20.64	21.04	20.82	21.5
			2	77	20.63	21.13	20.83	21.5
			75	0	20.79	21.22	20.97	21.5
		Inner	1	1	20.08	20.49	20.22	21.5
			1	77	20.07	20.51	20.28	21.5
			36	18	20.85	21.30	20.95	21.5

BW	MCS Index	RB	RB Size	RB Offset	Low CH 372000 Frequency 1860MHz	Mid CH 376000 Frequency 1880MHz	High CH 380000 Frequency 1900MHz	Max. Tune-up (dBm)
20M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.96	23.42	23.13	24
			1	105	22.74	23.20	22.91	24
			2	0	22.71	23.17	22.88	24
			2	104	22.68	23.14	22.85	24
			100	0	22.81	23.27	22.98	24
		Inner	1	1	23.13	23.59	23.30	24
			1	104	23.17	23.63	23.34	24
			50	25	23.36	23.82	23.53	24
	DFT-s-OFDM QPSK	Outer	1	0	23.05	23.51	23.22	24
			1	105	23.14	23.60	23.31	24
			2	0	23.19	23.65	23.36	24
			2	104	23.20	23.66	23.37	24
			100	0	22.31	22.77	22.48	24
		Inner	1	1	23.15	23.61	23.32	24
			1	104	23.17	23.63	23.34	24
			50	25	23.29	23.75	23.46	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.14	21.60	21.31	23
			1	105	21.18	21.64	21.35	23
			2	0	21.11	21.57	21.28	23
			2	104	21.05	21.51	21.22	23
			100	0	21.33	21.79	21.50	23
		Inner	1	1	22.45	22.91	22.62	24
			1	104	22.53	22.99	22.70	24
			50	25	22.29	22.75	22.46	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.17	21.63	21.34	23
			1	105	21.14	21.60	21.31	23
			2	0	21.18	21.64	21.35	23
			2	104	21.12	21.58	21.29	23
			100	0	21.25	21.71	21.42	23
		Inner	1	1	22.05	22.51	22.22	23
			1	104	22.10	22.56	22.27	23
			50	25	22.36	22.82	22.53	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.07	20.53	20.24	21.5
			1	105	20.06	20.52	20.23	21.5
			2	0	20.66	21.12	20.83	21.5
			2	104	20.71	21.17	20.88	21.5
			100	0	20.82	21.28	20.99	21.5
		Inner	1	1	20.10	20.56	20.27	21.5
			1	104	20.13	20.59	20.30	21.5
			50	25	20.86	21.32	21.03	21.5

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BW	MCS Index	RB	RB Size	RB Offset	Low CH 370500	Mid CH 376000	High CH 381500	Max. Tune-up (dBm)
					Frequency 1852.5MHz	Frequency 1880MHz	Frequency 1907.5MHz	
5M	CP-OFDM QPSK	Outer	1	0	20.31	20.48	20.35	22
			1	24	20.25	20.39	20.26	22
			2	0	20.53	20.71	20.57	22
			2	23	20.59	20.77	20.62	22
			25	0	20.49	20.62	20.59	22
		Inner	1	1	22.76	22.95	22.73	24
			1	23	22.64	22.81	22.73	24
			13	6	23.07	23.30	23.11	24
	CP-OFDM 16QAM	Outer	1	0	20.42	20.46	20.46	22
			1	24	20.27	20.49	20.30	22
			2	0	20.19	20.41	20.27	22
			2	23	20.28	20.40	20.36	22
			25	0	20.41	20.58	20.48	22
		Inner	1	1	21.45	21.65	21.54	23
			1	23	21.48	21.70	21.50	23
			13	6	21.57	21.69	21.55	23
	CP-OFDM 64QAM	Outer	1	0	19.47	19.65	19.55	21
			1	24	19.54	19.68	19.58	21
			2	0	19.75	19.79	19.79	21
			2	23	19.72	19.89	19.82	21
			25	0	20.00	20.17	20.07	21
		Inner	1	1	19.55	19.63	19.56	21
			1	23	19.49	19.58	19.53	21
			13	6	20.06	20.28	20.08	21
	CP-OFDM 256QAM	Outer	1	0	17.24	17.36	17.22	18
			1	24	17.28	17.46	17.36	18
			2	0	16.75	16.94	16.77	18
			2	23	16.67	16.79	16.76	18
			25	0	17.09	17.28	17.07	18
		Inner	1	1	17.34	17.58	17.41	18
			1	23	17.22	17.38	17.19	18
			13	6	17.07	17.26	17.20	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371000 Frequency 1855MHz	Mid CH 376000 Frequency 1880MHz	High CH 381000 Frequency 1905MHz	Max. Tune-up (dBm)
10M	CP-OFDM QPSK	Outer	1	0	20.32	20.43	20.36	22
			1	51	20.30	20.36	20.26	22
			2	0	20.52	20.68	20.61	22
			2	50	20.63	20.73	20.62	22
			52	0	20.45	20.66	20.55	22
		Inner	1	1	22.78	22.92	22.77	24
			1	50	22.65	22.84	22.70	24
			26	13	23.08	23.27	23.14	24
	CP-OFDM 16QAM	Outer	1	0	20.36	20.52	20.43	22
			1	51	20.33	20.47	20.36	22
			2	0	20.17	20.37	20.25	22
			2	50	20.27	20.46	20.31	22
			52	0	20.38	20.58	20.51	22
		Inner	1	1	21.45	21.66	21.51	23
			1	50	21.42	21.67	21.56	23
			26	13	21.54	21.75	21.55	23
	CP-OFDM 64QAM	Outer	1	0	19.40	19.70	19.55	21
			1	51	19.55	19.70	19.55	21
			2	0	19.69	19.86	19.79	21
			2	50	19.73	19.92	19.75	21
			52	0	20.02	20.19	20.09	21
		Inner	1	1	19.52	19.62	19.53	21
			1	50	19.44	19.60	19.56	21
			26	13	20.06	20.27	20.04	21
	CP-OFDM 256QAM	Outer	1	0	17.20	17.40	17.28	18
			1	51	17.32	17.42	17.30	18
			2	0	16.72	16.98	16.79	18
			2	50	16.64	16.82	16.73	18
			52	0	17.08	17.24	17.14	18
		Inner	1	1	17.30	17.57	17.42	18
			1	50	17.21	17.33	17.21	18
			26	13	17.11	17.24	17.16	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371500	Mid CH 376000	High CH 380500	Max. Tune-up (dBm)
					Frequency 1857.5MHz	Frequency 1880MHz	Frequency 1902.5MHz	
15M	CP-OFDM QPSK	Outer	1	0	20.36	20.46	20.33	22
			1	78	20.28	20.41	20.22	22
			2	0	20.55	20.75	20.58	22
			2	77	20.61	20.73	20.66	22
			79	0	20.52	20.65	20.55	22
		Inner	1	1	22.74	22.90	22.76	24
			1	77	22.70	22.82	22.72	24
			39	19	23.12	23.31	23.10	24
	CP-OFDM 16QAM	Outer	1	0	20.40	20.49	20.46	22
			1	78	20.29	20.53	20.35	22
			2	0	20.23	20.35	20.32	22
			2	77	20.25	20.44	20.32	22
			79	0	20.42	20.57	20.51	22
		Inner	1	1	21.50	21.68	21.48	23
			1	77	21.43	21.69	21.54	23
			39	19	21.60	21.70	21.56	23
	CP-OFDM 64QAM	Outer	1	0	19.42	19.63	19.55	21
			1	78	19.58	19.73	19.55	21
			2	0	19.70	19.79	19.75	21
			2	77	19.75	19.96	19.79	21
			79	0	20.06	20.13	20.11	21
		Inner	1	1	19.50	19.65	19.53	21
			1	77	19.49	19.57	19.57	21
			39	19	20.06	20.25	20.05	21
	CP-OFDM 256QAM	Outer	1	0	17.25	17.35	17.28	18
			1	78	17.34	17.40	17.33	18
			2	0	16.74	16.91	16.79	18
			2	77	16.68	16.85	16.69	18
			79	0	17.03	17.24	17.09	18
		Inner	1	1	17.35	17.55	17.45	18
			1	77	17.22	17.32	17.18	18
			39	19	17.07	17.23	17.19	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 372000 Frequency 1860MHz	Mid CH 376000 Frequency 1880MHz	High CH 380000 Frequency 1900MHz	Max. Tune-up (dBm)
20M	CP-OFDM QPSK	Outer	1	0	20.37	20.50	20.41	22
			1	105	20.32	20.44	20.28	22
			2	0	20.57	20.76	20.62	22
			2	104	20.67	20.78	20.67	22
			106	0	20.53	20.67	20.60	22
		Inner	1	1	22.82	22.97	22.78	24
			1	104	22.71	22.86	22.75	24
			53	26	23.15	23.32	23.16	24
	CP-OFDM 16QAM	Outer	1	0	20.44	20.54	20.48	22
			1	105	20.35	20.55	20.38	22
			2	0	20.25	20.43	20.33	22
			2	104	20.33	20.48	20.37	22
			106	0	20.45	20.63	20.53	22
		Inner	1	1	21.51	21.73	21.56	23
			1	104	21.49	21.72	21.58	23
			53	26	21.62	21.77	21.61	23
	CP-OFDM 64QAM	Outer	1	0	19.48	19.71	19.57	21
			1	105	19.59	19.75	19.63	21
			2	0	19.77	19.87	19.81	21
			2	104	19.77	19.97	19.83	21
			106	0	20.08	20.21	20.12	21
		Inner	1	1	19.58	19.69	19.58	21
			1	104	19.51	19.65	19.58	21
			53	26	20.14	20.29	20.10	21
	CP-OFDM 256QAM	Outer	1	0	17.28	17.41	17.30	18
			1	105	17.36	17.47	17.38	18
			2	0	16.80	16.99	16.81	18
			2	104	16.69	16.87	16.77	18
			106	0	17.10	17.32	17.15	18
		Inner	1	1	17.38	17.61	17.47	18
			1	104	17.24	17.39	17.23	18
			53	26	17.13	17.31	17.21	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 370500 Frequency 1852.5MHz	Mid CH 376000 Frequency 1880MHz	High CH 381500 Frequency 1907.5MHz	Max. Tune-up (dBm)
5M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.82	23.39	23.02	24
			1	24	22.63	23.10	22.88	24
			2	0	22.61	23.10	22.78	24
			2	23	22.53	23.08	22.78	24
			25	0	22.69	23.20	22.92	24
		Inner	1	1	23.06	23.55	23.17	24
			1	23	23.05	23.50	23.26	24
			12	6	23.27	23.74	23.46	24
	DFT-s-OFDM QPSK	Outer	1	0	22.98	23.36	23.15	24
			1	24	23.04	23.46	23.21	24
			2	0	23.07	23.55	23.28	24
			2	23	23.14	23.56	23.28	24
			25	0	22.22	22.64	22.37	24
		Inner	1	1	23.08	23.47	23.28	24
			1	23	23.11	23.59	23.19	24
			12	6	23.22	23.59	23.39	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.12	21.50	21.21	23
			1	24	21.09	21.54	21.24	23
			2	0	21.07	21.48	21.22	23
			2	23	21.10	21.38	21.20	23
			25	0	21.24	21.73	21.40	23
		Inner	1	1	22.34	22.78	22.58	24
			1	23	22.50	22.88	22.62	24
			12	6	22.18	22.73	22.38	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.09	21.53	21.24	23
			1	24	21.00	21.57	21.26	23
			2	0	21.11	21.51	21.30	23
			2	23	21.04	21.42	21.26	23
			25	0	21.22	21.59	21.33	23
		Inner	1	1	21.93	22.44	22.11	23
			1	23	22.06	22.47	22.22	23
			12	6	22.24	22.72	22.51	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.05	20.49	20.14	21.5
			1	24	19.90	20.38	20.19	21.5
			2	0	20.64	21.04	20.77	21.5
			2	23	20.65	21.15	20.76	21.5
			25	0	20.74	21.18	20.95	21.5
		Inner	1	1	20.03	20.48	20.22	21.5
			1	23	20.04	20.45	20.26	21.5
			12	6	20.84	21.25	20.87	21.5

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371000 Frequency 1855MHz	Mid CH 376000 Frequency 1880MHz	High CH 381000 Frequency 1905MHz	Max. Tune-up (dBm)
10M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.83	23.34	23.03	24
			1	51	22.68	23.07	22.88	24
			2	0	22.60	23.07	22.82	24
			2	50	22.57	23.04	22.78	24
			50	0	22.65	23.24	22.88	24
		Inner	1	1	23.08	23.52	23.21	24
			1	50	23.06	23.53	23.23	24
			25	12	23.28	23.71	23.49	24
	DFT-s-OFDM QPSK	Outer	1	0	22.92	23.42	23.12	24
			1	51	23.10	23.44	23.27	24
			2	0	23.05	23.51	23.26	24
			2	50	23.13	23.62	23.23	24
			50	0	22.19	22.64	22.40	24
		Inner	1	1	23.08	23.48	23.25	24
			1	50	23.05	23.56	23.25	24
			25	12	23.19	23.65	23.39	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.05	21.55	21.21	23
			1	51	21.10	21.56	21.21	23
			2	0	21.01	21.55	21.22	23
			2	50	21.15	21.41	21.13	23
			50	0	21.26	21.75	21.42	23
		Inner	1	1	22.31	22.77	22.55	24
			1	50	22.45	22.90	22.65	24
			25	12	22.18	22.72	22.34	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.05	21.57	21.30	23
			1	51	21.04	21.53	21.20	23
			2	0	21.08	21.55	21.32	23
			2	50	21.01	21.45	21.23	23
			50	0	21.21	21.55	21.40	23
		Inner	1	1	21.89	22.43	22.12	23
			1	50	22.05	22.42	22.24	23
			25	12	22.28	22.70	22.47	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.00	20.43	20.17	21.5
			1	51	19.97	20.43	20.13	21.5
			2	0	20.60	21.00	20.74	21.5
			2	50	20.67	21.10	20.80	21.5
			50	0	20.73	21.21	20.90	21.5
		Inner	1	1	20.07	20.42	20.24	21.5
			1	50	19.99	20.47	20.23	21.5
			25	12	20.83	21.22	20.94	21.5

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371500 Frequency 1857.5MHz	Mid CH 376000 Frequency 1880MHz	High CH 380500 Frequency 1902.5MHz	Max. Tune-up (dBm)
15M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.87	23.37	23.00	24
			1	78	22.66	23.12	22.84	24
			2	0	22.63	23.14	22.79	24
			2	77	22.55	23.04	22.82	24
			75	0	22.72	23.23	22.88	24
		Inner	1	1	23.04	23.50	23.20	24
			1	77	23.11	23.51	23.25	24
			36	18	23.32	23.75	23.45	24
	DFT-s-OFDM QPSK	Outer	1	0	22.96	23.39	23.15	24
			1	78	23.06	23.50	23.26	24
			2	0	23.11	23.49	23.33	24
			2	77	23.11	23.60	23.24	24
			75	0	22.23	22.63	22.40	24
		Inner	1	1	23.13	23.50	23.22	24
			1	77	23.06	23.58	23.23	24
			36	18	23.25	23.60	23.40	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.07	21.48	21.21	23
			1	78	21.13	21.59	21.21	23
			2	0	21.02	21.48	21.18	23
			2	77	21.13	21.45	21.17	23
			75	0	21.30	21.69	21.44	23
		Inner	1	1	22.29	22.80	22.55	24
			1	77	22.50	22.87	22.66	24
			36	18	22.18	22.70	22.35	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.10	21.52	21.30	23
			1	78	21.06	21.51	21.23	23
			2	0	21.10	21.48	21.32	23
			2	77	21.05	21.48	21.19	23
			75	0	21.16	21.55	21.35	23
		Inner	1	1	21.94	22.41	22.15	23
			1	77	22.06	22.41	22.21	23
			36	18	22.24	22.69	22.50	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.04	20.43	20.18	21.5
			1	78	19.90	20.41	20.16	21.5
			2	0	20.63	21.00	20.79	21.5
			2	77	20.60	21.12	20.77	21.5
			75	0	20.75	21.17	20.95	21.5
		Inner	1	1	20.07	20.43	20.20	21.5
			1	77	20.01	20.43	20.26	21.5
			36	18	20.84	21.28	20.87	21.5

BW	MCS Index	RB	RB Size	RB Offset	Low CH 372000 Frequency 1860MHz	Mid CH 376000 Frequency 1880MHz	High CH 380000 Frequency 1900MHz	Max. Tune-up (dBm)
20M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.88	23.41	23.08	24
			1	105	22.70	23.15	22.90	24
			2	0	22.65	23.15	22.83	24
			2	104	22.61	23.09	22.83	24
			100	0	22.73	23.25	22.93	24
		Inner	1	1	23.12	23.57	23.22	24
			1	104	23.12	23.55	23.28	24
			50	25	23.35	23.76	23.51	24
	DFT-s-OFDM QPSK	Outer	1	0	23.00	23.44	23.17	24
			1	105	23.12	23.52	23.29	24
			2	0	23.13	23.57	23.34	24
			2	104	23.19	23.64	23.29	24
			100	0	22.26	22.69	22.42	24
		Inner	1	1	23.14	23.55	23.30	24
			1	104	23.12	23.61	23.27	24
			50	25	23.27	23.67	23.45	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.13	21.56	21.23	23
			1	105	21.14	21.61	21.29	23
			2	0	21.09	21.56	21.24	23
			2	104	21.17	21.46	21.21	23
			100	0	21.32	21.77	21.45	23
		Inner	1	1	22.37	22.84	22.60	24
			1	104	22.52	22.95	22.67	24
			50	25	22.26	22.74	22.40	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.13	21.58	21.32	23
			1	105	21.08	21.58	21.28	23
			2	0	21.16	21.56	21.34	23
			2	104	21.06	21.50	21.27	23
			100	0	21.23	21.63	21.41	23
		Inner	1	1	21.97	22.47	22.17	23
			1	104	22.08	22.48	22.26	23
			50	25	22.30	22.77	22.52	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.06	20.51	20.19	21.5
			1	105	19.98	20.45	20.21	21.5
			2	0	20.65	21.08	20.80	21.5
			2	104	20.68	21.16	20.82	21.5
			100	0	20.78	21.23	20.97	21.5
		Inner	1	1	20.09	20.50	20.25	21.5
			1	104	20.07	20.51	20.28	21.5
			50	25	20.85	21.30	20.95	21.5

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BW	MCS Index	RB	RB Size	RB Offset	Low CH 370500	Mid CH 376000	High CH 381500	Max. Tune-up (dBm)
					Frequency 1852.5MHz	Frequency 1880MHz	Frequency 1907.5MHz	
5M	CP-OFDM QPSK	Outer	1	0	20.33	20.48	20.35	22
			1	24	20.21	20.37	20.29	22
			2	0	20.57	20.66	20.59	22
			2	23	20.56	20.76	20.66	22
			25	0	20.51	20.65	20.56	22
		Inner	1	1	22.69	22.96	22.76	24
			1	23	22.67	22.84	22.78	24
			13	6	23.03	23.29	23.10	24
	CP-OFDM 16QAM	Outer	1	0	20.37	20.49	20.45	22
			1	24	20.25	20.49	20.31	22
			2	0	20.24	20.38	20.27	22
			2	23	20.26	20.41	20.33	22
			25	0	20.47	20.57	20.48	22
		Inner	1	1	21.48	21.65	21.53	23
			1	23	21.54	21.63	21.51	23
			13	6	21.53	21.70	21.58	23
	CP-OFDM 64QAM	Outer	1	0	19.53	19.58	19.56	21
			1	24	19.51	19.69	19.57	21
			2	0	19.75	19.79	19.79	21
			2	23	19.76	19.88	19.82	21
			25	0	19.95	20.22	20.04	21
		Inner	1	1	19.53	19.65	19.60	21
			1	23	19.49	19.64	19.50	21
			13	6	20.00	20.25	20.14	21
	CP-OFDM 256QAM	Outer	1	0	17.21	17.42	17.23	18
			1	24	17.27	17.44	17.36	18
			2	0	16.72	16.90	16.76	18
			2	23	16.68	16.82	16.72	18
			25	0	17.10	17.25	17.11	18
		Inner	1	1	17.36	17.52	17.38	18
			1	23	17.19	17.38	17.25	18
			13	6	17.06	17.29	17.16	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371000 Frequency 1855MHz	Mid CH 376000 Frequency 1880MHz	High CH 381000 Frequency 1905MHz	Max. Tune-up (dBm)
10M	CP-OFDM QPSK	Outer	1	0	20.34	20.43	20.36	22
			1	51	20.26	20.34	20.29	22
			2	0	20.56	20.63	20.63	22
			2	50	20.60	20.72	20.66	22
			52	0	20.47	20.69	20.52	22
		Inner	1	1	22.71	22.93	22.80	24
			1	50	22.68	22.87	22.75	24
			26	13	23.04	23.26	23.13	24
	CP-OFDM 16QAM	Outer	1	0	20.31	20.55	20.42	22
			1	51	20.31	20.47	20.37	22
			2	0	20.22	20.34	20.25	22
			2	50	20.25	20.47	20.28	22
			52	0	20.44	20.57	20.51	22
		Inner	1	1	21.48	21.66	21.50	23
			1	50	21.48	21.60	21.57	23
			26	13	21.50	21.76	21.58	23
	CP-OFDM 64QAM	Outer	1	0	19.46	19.63	19.56	21
			1	51	19.52	19.71	19.54	21
			2	0	19.69	19.86	19.79	21
			2	50	19.77	19.91	19.75	21
			52	0	19.97	20.24	20.06	21
		Inner	1	1	19.50	19.64	19.57	21
			1	50	19.44	19.66	19.53	21
			26	13	20.00	20.24	20.10	21
	CP-OFDM 256QAM	Outer	1	0	17.17	17.46	17.29	18
			1	51	17.31	17.40	17.30	18
			2	0	16.69	16.94	16.78	18
			2	50	16.65	16.85	16.69	18
			52	0	17.09	17.21	17.18	18
		Inner	1	1	17.32	17.51	17.39	18
			1	50	17.18	17.33	17.27	18
			26	13	17.10	17.27	17.12	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371500	Mid CH 376000	High CH 380500	Max. Tune-up (dBm)
					Frequency 1857.5MHz	Frequency 1880MHz	Frequency 1902.5MHz	
15M	CP-OFDM QPSK	Outer	1	0	20.38	20.46	20.33	22
			1	78	20.24	20.39	20.25	22
			2	0	20.59	20.70	20.60	22
			2	77	20.58	20.72	20.70	22
			79	0	20.54	20.68	20.52	22
		Inner	1	1	22.67	22.91	22.79	24
			1	77	22.73	22.85	22.77	24
			39	19	23.08	23.30	23.09	24
	CP-OFDM 16QAM	Outer	1	0	20.35	20.52	20.45	22
			1	78	20.27	20.53	20.36	22
			2	0	20.28	20.32	20.32	22
			2	77	20.23	20.45	20.29	22
			79	0	20.48	20.56	20.51	22
		Inner	1	1	21.53	21.68	21.47	23
			1	77	21.49	21.62	21.55	23
			39	19	21.56	21.71	21.59	23
	CP-OFDM 64QAM	Outer	1	0	19.48	19.56	19.56	21
			1	78	19.55	19.74	19.54	21
			2	0	19.70	19.79	19.75	21
			2	77	19.79	19.95	19.79	21
			79	0	20.01	20.18	20.08	21
		Inner	1	1	19.48	19.67	19.57	21
			1	77	19.49	19.63	19.54	21
			39	19	20.00	20.22	20.11	21
	CP-OFDM 256QAM	Outer	1	0	17.22	17.41	17.29	18
			1	78	17.33	17.38	17.33	18
			2	0	16.71	16.87	16.78	18
			2	77	16.69	16.88	16.65	18
			79	0	17.04	17.21	17.13	18
		Inner	1	1	17.37	17.49	17.42	18
			1	77	17.19	17.32	17.24	18
			39	19	17.06	17.26	17.15	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 372000 Frequency 1860MHz	Mid CH 376000 Frequency 1880MHz	High CH 380000 Frequency 1900MHz	Max. Tune-up (dBm)
20M	CP-OFDM QPSK	Outer	1	0	20.39	20.50	20.41	22
			1	105	20.28	20.42	20.31	22
			2	0	20.61	20.71	20.64	22
			2	104	20.64	20.77	20.71	22
			106	0	20.55	20.70	20.57	22
		Inner	1	1	22.75	22.98	22.81	24
			1	104	22.74	22.89	22.80	24
			53	26	23.11	23.31	23.15	24
	CP-OFDM 16QAM	Outer	1	0	20.39	20.57	20.47	22
			1	105	20.33	20.55	20.39	22
			2	0	20.30	20.40	20.33	22
			2	104	20.31	20.49	20.34	22
			106	0	20.51	20.62	20.53	22
		Inner	1	1	21.54	21.73	21.55	23
			1	104	21.55	21.65	21.59	23
			53	26	21.58	21.78	21.64	23
	CP-OFDM 64QAM	Outer	1	0	19.54	19.64	19.58	21
			1	105	19.56	19.76	19.62	21
			2	0	19.77	19.87	19.81	21
			2	104	19.81	19.96	19.83	21
			106	0	20.03	20.26	20.09	21
		Inner	1	1	19.56	19.71	19.62	21
			1	104	19.51	19.71	19.55	21
			53	26	20.08	20.26	20.16	21
	CP-OFDM 256QAM	Outer	1	0	17.25	17.47	17.31	18
			1	105	17.35	17.45	17.38	18
			2	0	16.77	16.95	16.80	18
			2	104	16.70	16.90	16.73	18
			106	0	17.11	17.29	17.19	18
		Inner	1	1	17.40	17.55	17.44	18
			1	104	17.21	17.39	17.29	18
			53	26	17.12	17.34	17.17	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 370500 Frequency 1852.5MHz	Mid CH 376000 Frequency 1880MHz	High CH 381500 Frequency 1907.5MHz	Max. Tune-up (dBm)
5M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.86	23.35	23.06	24
			1	24	22.61	23.13	22.84	24
			2	0	22.60	23.07	22.81	24
			2	23	22.52	23.11	22.75	24
			25	0	22.75	23.14	22.95	24
		Inner	1	1	22.99	23.51	23.17	24
			1	23	23.04	23.56	23.26	24
			12	6	23.21	23.75	23.46	24
	DFT-s-OFDM QPSK	Outer	1	0	22.97	23.36	23.15	24
			1	24	22.99	23.49	23.21	24
			2	0	23.05	23.61	23.24	24
			2	23	23.07	23.57	23.34	24
			25	0	22.23	22.67	22.35	24
		Inner	1	1	23.04	23.46	23.25	24
			1	23	23.14	23.53	23.24	24
			12	6	23.19	23.59	23.39	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.09	21.49	21.24	23
			1	24	21.05	21.56	21.25	23
			2	0	21.05	21.44	21.25	23
			2	23	21.09	21.41	21.16	23
			25	0	21.18	21.70	21.43	23
		Inner	1	1	22.34	22.83	22.55	24
			1	23	22.48	22.86	22.63	24
			12	6	22.19	22.67	22.39	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.07	21.50	21.24	23
			1	24	21.05	21.57	21.21	23
			2	0	21.06	21.51	21.25	23
			2	23	21.07	21.44	21.26	23
			25	0	21.22	21.60	21.29	23
		Inner	1	1	21.95	22.40	22.14	23
			1	23	22.06	22.47	22.22	23
			12	6	22.22	22.73	22.47	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.04	20.43	20.18	21.5
			1	24	19.90	20.41	20.16	21.5
			2	0	20.62	21.02	20.78	21.5
			2	23	20.66	21.09	20.77	21.5
			25	0	20.72	21.15	20.95	21.5
		Inner	1	1	20.03	20.52	20.16	21.5
			1	23	20.05	20.45	20.22	21.5
			12	6	20.84	21.21	20.93	21.5

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371000	Mid CH 376000	High CH 381000	Max. Tune-up (dBm)
					Frequency 1855MHz	Frequency 1880MHz	Frequency 1905MHz	
10M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.87	23.30	23.07	24
			1	51	22.66	23.10	22.84	24
			2	0	22.59	23.04	22.85	24
			2	50	22.56	23.07	22.75	24
			50	0	22.71	23.18	22.91	24
		Inner	1	1	23.01	23.48	23.21	24
			1	50	23.05	23.59	23.23	24
			25	12	23.22	23.72	23.49	24
	DFT-s-OFDM QPSK	Outer	1	0	22.91	23.42	23.12	24
			1	51	23.05	23.47	23.27	24
			2	0	23.03	23.57	23.22	24
			2	50	23.06	23.63	23.29	24
			50	0	22.20	22.67	22.38	24
		Inner	1	1	23.04	23.47	23.22	24
			1	50	23.08	23.50	23.30	24
			25	12	23.16	23.65	23.39	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.02	21.54	21.24	23
			1	51	21.06	21.58	21.22	23
			2	0	21.19	21.51	21.25	23
			2	50	21.14	21.44	21.09	23
			50	0	21.20	21.72	21.45	23
		Inner	1	1	22.31	22.82	22.52	24
			1	50	22.43	22.88	22.66	24
			25	12	22.19	22.66	22.35	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.03	21.54	21.30	23
			1	51	21.09	21.53	21.15	23
			2	0	21.03	21.55	21.27	23
			2	50	21.04	21.47	21.23	23
			50	0	21.21	21.56	21.36	23
		Inner	1	1	21.91	22.39	22.15	23
			1	50	22.05	22.42	22.24	23
			25	12	22.26	22.71	22.43	23
	DFT-s-OFDM 256QAM	Outer	1	0	19.99	20.37	20.21	21.5
			1	51	19.97	20.46	20.10	21.5
			2	0	20.58	20.98	20.75	21.5
			2	50	20.68	21.04	20.81	21.5
			50	0	20.71	21.18	20.90	21.5
		Inner	1	1	20.07	20.46	20.18	21.5
			1	50	20.00	20.47	20.19	21.5
			25	12	20.83	21.18	21.00	21.5

BW	MCS Index	RB	RB Size	RB Offset	Low CH 371500 Frequency 1857.5MHz	Mid CH 376000 Frequency 1880MHz	High CH 380500 Frequency 1902.5MHz	Max. Tune-up (dBm)
15M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.91	23.33	23.04	24
			1	78	22.64	23.15	22.80	24
			2	0	22.62	23.11	22.82	24
			2	77	22.54	23.07	22.79	24
			75	0	22.78	23.17	22.91	24
		Inner	1	1	22.97	23.46	23.20	24
			1	77	23.10	23.57	23.25	24
			36	18	23.26	23.76	23.45	24
	DFT-s-OFDM QPSK	Outer	1	0	22.95	23.39	23.15	24
			1	78	23.01	23.53	23.26	24
			2	0	23.09	23.55	23.29	24
			2	77	23.04	23.61	23.30	24
			75	0	22.24	22.66	22.38	24
		Inner	1	1	23.09	23.49	23.19	24
			1	77	23.09	23.52	23.28	24
			36	18	23.22	23.60	23.40	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.04	21.47	21.24	23
			1	78	21.09	21.61	21.22	23
			2	0	21.00	21.44	21.21	23
			2	77	21.18	21.48	21.13	23
			75	0	21.24	21.66	21.47	23
		Inner	1	1	22.29	22.85	22.52	24
			1	77	22.48	22.85	22.67	24
			36	18	22.19	22.64	22.36	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.08	21.49	21.30	23
			1	78	21.11	21.51	21.18	23
			2	0	21.05	21.48	21.27	23
			2	77	21.08	21.50	21.19	23
			75	0	21.16	21.56	21.31	23
		Inner	1	1	21.96	22.37	22.18	23
			1	77	22.06	22.41	22.21	23
			36	18	22.22	22.70	22.46	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.03	20.37	20.22	21.5
			1	78	19.90	20.44	20.13	21.5
			2	0	20.61	20.98	20.80	21.5
			2	77	20.61	21.06	20.78	21.5
			75	0	20.73	21.14	20.95	21.5
		Inner	1	1	20.07	20.47	20.14	21.5
			1	77	20.02	20.43	20.22	21.5
			36	18	20.84	21.24	20.93	21.5

BW	MCS Index	RB	RB Size	RB Offset	Low CH 372000 Frequency 1860MHz	Mid CH 376000 Frequency 1880MHz	High CH 380000 Frequency 1900MHz	Max. Tune-up (dBm)
20M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	22.92	23.37	23.12	24
			1	105	22.68	23.18	22.86	24
			2	0	22.64	23.12	22.86	24
			2	104	22.60	23.12	22.80	24
			100	0	22.79	23.19	22.96	24
		Inner	1	1	23.05	23.53	23.22	24
			1	104	23.11	23.61	23.28	24
			50	25	23.29	23.77	23.51	24
	DFT-s-OFDM QPSK	Outer	1	0	22.99	23.44	23.17	24
			1	105	23.07	23.55	23.29	24
			2	0	23.11	23.63	23.30	24
			2	104	23.12	23.65	23.35	24
			100	0	22.27	22.72	22.40	24
		Inner	1	1	23.10	23.54	23.27	24
			1	104	23.15	23.55	23.32	24
			50	25	23.24	23.67	23.45	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.10	21.55	21.26	23
			1	105	21.10	21.63	21.30	23
			2	0	21.07	21.52	21.27	23
			2	104	21.10	21.49	21.17	23
			100	0	21.26	21.74	21.48	23
		Inner	1	1	22.37	22.89	22.57	24
			1	104	22.50	22.93	22.68	24
			50	25	22.27	22.68	22.41	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.11	21.55	21.32	23
			1	105	21.13	21.58	21.23	23
			2	0	21.11	21.56	21.29	23
			2	104	21.09	21.52	21.27	23
			100	0	21.23	21.64	21.37	23
		Inner	1	1	21.99	22.43	22.20	23
			1	104	22.08	22.48	22.26	23
			50	25	22.28	22.78	22.48	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.05	20.45	20.23	21.5
			1	105	19.98	20.48	20.18	21.5
			2	0	20.63	21.06	20.81	21.5
			2	104	20.69	21.10	20.83	21.5
			100	0	20.76	21.20	20.97	21.5
		Inner	1	1	20.09	20.54	20.19	21.5
			1	104	20.08	20.51	20.24	21.5
			50	25	20.85	21.26	21.01	21.5

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BW	MCS Index	RB	RB Size	RB Offset	Low CH 165300 Frequency 826.5MHz	Mid CH 167300 Frequency 836.5MHz	High CH 169300 Frequency 846.5MHz	Max. Tune-up (dBm)
5M	CP-OFDM QPSK	Outer	1	0	20.50	20.46	20.62	22
			1	24	20.98	20.90	21.10	22
			2	0	20.37	20.32	20.53	22
			2	23	20.79	20.76	20.90	22
			25	0	20.72	20.77	20.87	22
		Inner	1	1	22.92	22.89	23.07	24
			1	23	22.59	22.61	22.72	24
			13	6	23.25	23.25	23.42	24
	CP-OFDM 16QAM	Outer	1	0	20.46	20.50	20.61	22
			1	24	21.01	20.93	21.13	22
			2	0	20.29	20.29	20.41	22
			2	23	20.85	20.87	20.97	22
			25	0	20.69	20.69	20.86	22
		Inner	1	1	21.66	21.61	21.76	23
			1	23	22.03	22.02	22.14	23
			13	6	21.84	21.79	21.94	23
	CP-OFDM 64QAM	Outer	1	0	19.55	19.59	19.69	21
			1	24	20.08	20.04	20.19	21
			2	0	19.78	19.72	19.84	21
			2	23	20.18	20.19	20.33	21
			25	0	20.36	20.31	20.42	21
		Inner	1	1	19.62	19.59	19.74	21
			1	23	19.91	19.86	19.98	21
			13	6	20.28	20.32	20.42	21
	CP-OFDM 256QAM	Outer	1	0	16.82	16.81	16.89	18
			1	24	17.04	17.05	17.16	18
			2	0	16.85	16.85	16.92	18
			2	23	17.26	17.22	17.38	18
			25	0	17.27	17.19	17.39	18
		Inner	1	1	16.82	16.77	16.98	18
			1	23	17.26	17.23	17.31	18
			13	6	17.26	17.23	17.39	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 165800 Frequency 829MHz	Mid CH 167300 Frequency 836.5MHz	High CH 168800 Frequency 844MHz	Max. Tune-up (dBm)
10M	CP-OFDM QPSK	Outer	1	0	20.49	20.51	20.61	22
			1	51	20.93	20.93	21.10	22
			2	0	20.38	20.35	20.49	22
			2	50	20.75	20.80	20.90	22
			52	0	20.76	20.73	20.91	22
		Inner	1	1	22.90	22.92	23.03	24
			1	50	22.58	22.58	22.75	24
			26	13	23.24	23.28	23.39	24
	CP-OFDM 16QAM	Outer	1	0	20.52	20.44	20.64	22
			1	51	20.95	20.95	21.07	22
			2	0	20.31	20.33	20.43	22
			2	50	20.86	20.81	21.02	22
			52	0	20.72	20.69	20.83	22
		Inner	1	1	21.62	21.58	21.78	23
			1	50	22.07	22.04	22.12	23
			26	13	21.81	21.76	21.92	23
	CP-OFDM 64QAM	Outer	1	0	19.62	19.55	19.73	21
			1	51	20.09	20.05	20.21	21
			2	0	19.78	19.70	19.90	21
			2	50	20.18	20.13	20.34	21
			52	0	20.30	20.32	20.45	21
		Inner	1	1	19.65	19.60	19.78	21
			1	50	19.91	19.84	20.00	21
			26	13	20.28	20.33	20.46	21
	CP-OFDM 256QAM	Outer	1	0	16.80	16.77	16.88	18
			1	51	17.04	17.09	17.22	18
			2	0	16.83	16.81	16.96	18
			2	50	17.29	17.21	17.42	18
			52	0	17.28	17.23	17.33	18
		Inner	1	1	16.83	16.82	16.93	18
			1	50	17.25	17.24	17.35	18
			26	13	17.27	17.26	17.44	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 166300	Mid CH 167300	High CH 168300	Max. Tune-up (dBm)
					Frequency 831.5MHz	Frequency 836.5MHz	Frequency 841.5MHz	
15M	CP-OFDM QPSK	Outer	1	0	20.54	20.49	20.59	22
			1	78	20.96	20.95	21.06	22
			2	0	20.40	20.39	20.50	22
			2	77	20.77	20.76	20.94	22
			79	0	20.79	20.76	20.87	22
		Inner	1	1	22.88	22.87	23.06	24
			1	77	22.64	22.59	22.74	24
			39	19	23.29	23.29	23.38	24
	CP-OFDM 16QAM	Outer	1	0	20.50	20.47	20.64	22
			1	78	20.97	20.99	21.12	22
			2	0	20.35	20.27	20.48	22
			2	77	20.83	20.85	20.98	22
			79	0	20.73	20.68	20.86	22
		Inner	1	1	21.67	21.61	21.72	23
			1	77	22.02	22.03	22.16	23
			39	19	21.84	21.77	21.93	23
	CP-OFDM 64QAM	Outer	1	0	19.57	19.53	19.73	21
			1	78	20.13	20.10	20.18	21
			2	0	19.73	19.70	19.86	21
			2	77	20.21	20.20	20.31	21
			79	0	20.36	20.28	20.49	21
		Inner	1	1	19.60	19.62	19.75	21
			1	77	19.91	19.83	20.04	21
			39	19	20.28	20.30	20.43	21
	CP-OFDM 256QAM	Outer	1	0	16.81	16.76	16.94	18
			1	78	17.10	17.03	17.19	18
			2	0	16.82	16.78	16.98	18
			2	77	17.30	17.27	17.35	18
			79	0	17.22	17.19	17.35	18
		Inner	1	1	16.84	16.79	16.97	18
			1	77	17.25	17.18	17.34	18
			39	19	17.27	17.23	17.43	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 166800	Mid CH 167300	High CH 167800	Max. Tune-up (dBm)
					Frequency 834MHz	Frequency 836.5MHz	Frequency 839MHz	
20M	CP-OFDM QPSK	Outer	1	0	20.55	20.53	20.67	22
			1	105	21.00	20.98	21.12	22
			2	0	20.42	20.40	20.54	22
			2	104	20.83	20.81	20.95	22
			106	0	20.80	20.78	20.92	22
		Inner	1	1	22.96	22.94	23.08	24
			1	104	22.65	22.63	22.77	24
			53	26	23.32	23.30	23.44	24
	CP-OFDM 16QAM	Outer	1	0	20.54	20.52	20.66	22
			1	105	21.03	21.01	21.15	22
			2	0	20.37	20.35	20.49	22
			2	104	20.91	20.89	21.03	22
			106	0	20.76	20.74	20.88	22
		Inner	1	1	21.68	21.66	21.80	23
			1	104	22.08	22.06	22.20	23
			53	26	21.86	21.84	21.98	23
	CP-OFDM 64QAM	Outer	1	0	19.63	19.61	19.75	21
			1	105	20.14	20.12	20.26	21
			2	0	19.80	19.78	19.92	21
			2	104	20.23	20.21	20.35	21
			106	0	20.38	20.36	20.50	21
		Inner	1	1	19.68	19.66	19.80	21
			1	104	19.93	19.91	20.05	21
			53	26	20.36	20.34	20.48	21
	CP-OFDM 256QAM	Outer	1	0	16.84	16.82	16.96	18
			1	105	17.12	17.10	17.24	18
			2	0	16.88	16.86	17.00	18
			2	104	17.31	17.29	17.43	18
			106	0	17.29	17.27	17.41	18
		Inner	1	1	16.87	16.85	16.99	18
			1	104	17.27	17.25	17.39	18
			53	26	17.33	17.31	17.45	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 165300 Frequency 826.5MHz	Mid CH 167300 Frequency 836.5MHz	High CH 169300 Frequency 846.5MHz	Max. Tune-up (dBm)
5M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.09	23.00	23.11	24
			1	24	23.47	23.34	23.49	24
			2	0	23.19	23.09	23.25	24
			2	23	23.53	23.45	23.54	24
			25	0	23.26	23.26	23.31	24
		Inner	1	1	23.65	23.57	23.70	24
			1	23	23.87	23.84	23.90	24
			12	6	23.83	23.78	23.90	24
	DFT-s-OFDM QPSK	Outer	1	0	23.45	23.44	23.50	24
			1	24	23.86	23.73	23.88	24
			2	0	23.59	23.54	23.61	24
			2	23	23.76	23.73	23.78	24
			25	0	22.79	22.74	22.86	24
		Inner	1	1	23.57	23.47	23.57	24
			1	23	23.86	23.80	23.87	24
			12	6	23.82	23.72	23.82	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.37	21.36	21.41	23
			1	24	21.78	21.69	21.79	23
			2	0	21.57	21.46	21.53	23
			2	23	21.86	21.82	21.91	23
			25	0	21.87	21.77	21.83	23
		Inner	1	1	22.52	22.44	22.54	24
			1	23	23.03	22.93	23.00	24
			12	6	22.76	22.75	22.80	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.20	21.14	21.17	23
			1	24	21.58	21.54	21.60	23
			2	0	21.15	21.10	21.12	23
			2	23	21.34	21.25	21.36	23
			25	0	21.34	21.21	21.36	23
		Inner	1	1	21.15	21.05	21.21	23
			1	23	21.71	21.63	21.66	23
			12	6	21.26	21.18	21.29	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.56	20.46	20.59	22
			1	24	21.02	20.90	21.01	22
			2	0	21.09	21.00	21.15	22
			2	23	21.49	21.36	21.52	22
			25	0	21.24	21.21	21.29	22
		Inner	1	1	20.54	20.42	20.53	22
			1	23	20.96	20.87	21.02	22
			12	6	21.32	21.24	21.27	22

BW	MCS Index	RB	RB Size	RB Offset	Low CH 165800 Frequency 829MHz	Mid CH 167300 Frequency 836.5MHz	High CH 168800 Frequency 844MHz	Max. Tune-up (dBm)
10M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.08	23.05	23.10	24
			1	51	23.42	23.37	23.49	24
			2	0	23.20	23.12	23.21	24
			2	50	23.49	23.49	23.54	24
			50	0	23.30	23.22	23.35	24
		Inner	1	1	23.63	23.60	23.66	24
			1	50	23.86	23.81	23.93	24
			25	12	23.82	23.81	23.87	24
	DFT-s-OFDM QPSK	Outer	1	0	23.51	23.38	23.53	24
			1	51	23.80	23.75	23.82	24
			2	0	23.61	23.58	23.63	24
			2	50	23.77	23.67	23.83	24
			50	0	22.82	22.74	22.83	24
		Inner	1	1	23.53	23.44	23.59	24
			1	50	23.90	23.82	23.85	24
			25	12	23.79	23.69	23.80	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.44	21.32	21.45	23
			1	51	21.79	21.70	21.81	23
			2	0	21.57	21.44	21.59	23
			2	50	21.86	21.76	21.92	23
			50	0	21.81	21.78	21.86	23
		Inner	1	1	22.55	22.45	22.58	24
			1	50	23.03	22.91	23.02	24
			25	12	22.76	22.76	22.84	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.18	21.10	21.16	23
			1	51	21.58	21.58	21.66	23
			2	0	21.13	21.06	21.16	23
			2	50	21.37	21.24	21.40	23
			50	0	21.35	21.25	21.30	23
		Inner	1	1	21.16	21.10	21.16	23
			1	50	21.70	21.64	21.70	23
			25	12	21.27	21.21	21.34	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.58	20.50	20.56	22
			1	51	20.96	20.90	21.04	22
			2	0	21.14	21.04	21.14	22
			2	50	21.48	21.43	21.47	22
			50	0	21.28	21.20	21.32	22
		Inner	1	1	20.50	20.47	20.55	22
			1	50	20.99	20.89	21.02	22
			25	12	21.32	21.21	21.27	22

BW	MCS Index	RB	RB Size	RB Offset	Low CH 166300 Frequency 831.5MHz	Mid CH 167300 Frequency 836.5MHz	High CH 168300 Frequency 841.5MHz	Max. Tune-up (dBm)
15M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.13	23.03	23.08	24
			1	78	23.45	23.39	23.45	24
			2	0	23.22	23.16	23.22	24
			2	77	23.51	23.45	23.58	24
			75	0	23.33	23.25	23.31	24
		Inner	1	1	23.61	23.55	23.69	24
			1	77	23.92	23.82	23.92	24
			36	18	23.87	23.82	23.86	24
	DFT-s-OFDM QPSK	Outer	1	0	23.49	23.41	23.53	24
			1	78	23.82	23.79	23.87	24
			2	0	23.65	23.52	23.68	24
			2	77	23.74	23.71	23.79	24
			75	0	22.83	22.73	22.86	24
		Inner	1	1	23.58	23.47	23.53	24
			1	77	23.85	23.81	23.89	24
			36	18	23.82	23.70	23.81	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.39	21.30	21.45	23
			1	78	21.83	21.75	21.78	23
			2	0	21.52	21.44	21.55	23
			2	77	21.89	21.83	21.89	23
			75	0	21.87	21.74	21.90	23
		Inner	1	1	22.50	22.47	22.55	24
			1	77	23.03	22.90	23.06	24
			36	18	22.76	22.73	22.81	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.19	21.09	21.22	23
			1	78	21.64	21.52	21.63	23
			2	0	21.12	21.03	21.18	23
			2	77	21.38	21.30	21.33	23
			75	0	21.29	21.21	21.32	23
		Inner	1	1	21.17	21.07	21.20	23
			1	77	21.70	21.58	21.69	23
			36	18	21.27	21.18	21.33	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.57	20.44	20.60	22
			1	78	20.96	20.93	21.01	22
			2	0	21.13	21.00	21.16	22
			2	77	21.43	21.40	21.48	22
			75	0	21.29	21.19	21.32	22
		Inner	1	1	20.54	20.42	20.53	22
			1	77	20.96	20.87	21.02	22
			36	18	21.32	21.24	21.27	22

BW	MCS Index	RB	RB Size	RB Offset	Low CH 166800 Frequency 834MHz	Mid CH 167300 Frequency 836.5MHz	High CH 167800 Frequency 839MHz	Max. Tune-up (dBm)
20M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.14	23.07	23.16	24
			1	105	23.49	23.42	23.51	24
			2	0	23.24	23.17	23.26	24
			2	104	23.57	23.50	23.59	24
			100	0	23.34	23.27	23.36	24
		Inner	1	1	23.69	23.62	23.71	24
			1	104	23.93	23.86	23.95	24
			50	25	23.90	23.83	23.92	24
	DFT-s-OFDM QPSK	Outer	1	0	23.53	23.46	23.55	24
			1	105	23.88	23.81	23.90	24
			2	0	23.67	23.60	23.69	24
			2	104	23.82	23.75	23.84	24
			100	0	22.86	22.79	22.88	24
		Inner	1	1	23.59	23.52	23.61	24
			1	104	23.91	23.84	23.93	24
			50	25	23.84	23.77	23.86	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.45	21.38	21.47	23
			1	105	21.84	21.77	21.86	23
			2	0	21.59	21.52	21.61	23
			2	104	21.91	21.84	21.93	23
			100	0	21.89	21.82	21.91	23
		Inner	1	1	22.58	22.51	22.60	24
			1	104	23.05	22.98	23.07	24
			50	25	22.84	22.77	22.86	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.22	21.15	21.24	23
			1	105	21.66	21.59	21.68	23
			2	0	21.18	21.11	21.20	23
			2	104	21.39	21.32	21.41	23
			100	0	21.36	21.29	21.38	23
		Inner	1	1	21.20	21.13	21.22	23
			1	104	21.72	21.65	21.74	23
			50	25	21.33	21.26	21.35	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.59	20.52	20.61	22
			1	105	21.04	20.97	21.06	22
			2	0	21.15	21.08	21.17	22
			2	104	21.51	21.44	21.53	22
			100	0	21.32	21.25	21.34	22
		Inner	1	1	20.56	20.49	20.58	22
			1	104	21.02	20.95	21.04	22
			50	25	21.33	21.26	21.35	22

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BW	MCS Index	RB	RB Size	RB Offset	Low CH 165300 Frequency 826.5MHz	Mid CH 167300 Frequency 836.5MHz	High CH 169300 Frequency 846.5MHz	Max. Tune-up (dBm)
5M	CP-OFDM QPSK	Outer	1	0	20.46	20.41	20.61	22
			1	24	20.92	20.88	21.05	22
			2	0	20.30	20.27	20.51	22
			2	23	20.71	20.74	20.85	22
			25	0	20.70	20.69	20.85	22
		Inner	1	1	22.84	22.83	22.99	24
			1	23	22.53	22.59	22.66	24
			13	6	23.18	23.20	23.40	24
	CP-OFDM 16QAM	Outer	1	0	20.40	20.43	20.56	22
			1	24	20.94	20.88	21.11	22
			2	0	20.21	20.27	20.35	22
			2	23	20.78	20.79	20.91	22
			25	0	20.66	20.63	20.84	22
		Inner	1	1	21.64	21.54	21.71	23
			1	23	21.97	21.94	22.12	23
			13	6	21.82	21.71	21.93	23
	CP-OFDM 64QAM	Outer	1	0	19.47	19.55	19.64	21
			1	24	20.05	20.03	20.13	21
			2	0	19.74	19.67	19.82	21
			2	23	20.12	20.17	20.30	21
			25	0	20.34	20.23	20.41	21
		Inner	1	1	19.54	19.55	19.69	21
			1	23	19.88	19.80	19.96	21
			13	6	20.27	20.27	20.34	21
	CP-OFDM 256QAM	Outer	1	0	16.76	16.78	16.85	18
			1	24	17.02	16.98	17.11	18
			2	0	16.79	16.77	16.90	18
			2	23	17.25	17.20	17.30	18
			25	0	17.20	17.11	17.33	18
		Inner	1	1	16.80	16.76	16.94	18
			1	23	17.24	17.15	17.30	18
			13	6	17.24	17.22	17.35	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 165800 Frequency 829MHz	Mid CH 167300 Frequency 836.5MHz	High CH 168800 Frequency 844MHz	Max. Tune-up (dBm)
10M	CP-OFDM QPSK	Outer	1	0	20.45	20.46	20.60	22
			1	51	20.87	20.91	21.05	22
			2	0	20.31	20.30	20.47	22
			2	50	20.67	20.78	20.85	22
			52	0	20.74	20.65	20.89	22
		Inner	1	1	22.82	22.86	22.95	24
			1	50	22.52	22.56	22.69	24
			26	13	23.17	23.23	23.37	24
	CP-OFDM 16QAM	Outer	1	0	20.46	20.37	20.59	22
			1	51	20.88	20.90	21.05	22
			2	0	20.23	20.31	20.37	22
			2	50	20.79	20.73	20.96	22
			52	0	20.69	20.63	20.81	22
		Inner	1	1	21.60	21.51	21.73	23
			1	50	22.01	21.96	22.10	23
			26	13	21.79	21.68	21.91	23
	CP-OFDM 64QAM	Outer	1	0	19.54	19.51	19.68	21
			1	51	20.06	20.04	20.15	21
			2	0	19.74	19.65	19.88	21
			2	50	20.12	20.11	20.31	21
			52	0	20.28	20.24	20.44	21
		Inner	1	1	19.57	19.56	19.73	21
			1	50	19.88	19.78	19.98	21
			26	13	20.27	20.28	20.38	21
	CP-OFDM 256QAM	Outer	1	0	16.74	16.74	16.84	18
			1	51	17.02	17.02	17.17	18
			2	0	16.77	16.73	16.94	18
			2	50	17.28	17.19	17.34	18
			52	0	17.21	17.15	17.27	18
		Inner	1	1	16.81	16.81	16.89	18
			1	50	17.23	17.16	17.34	18
			26	13	17.25	17.25	17.40	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 166300	Mid CH 167300	High CH 168300	Max. Tune-up (dBm)
					Frequency 831.5MHz	Frequency 836.5MHz	Frequency 841.5MHz	
15M	CP-OFDM QPSK	Outer	1	0	20.50	20.44	20.58	22
			1	78	20.90	20.93	21.01	22
			2	0	20.33	20.34	20.48	22
			2	77	20.69	20.74	20.89	22
			79	0	20.77	20.68	20.85	22
		Inner	1	1	22.80	22.81	22.98	24
			1	77	22.58	22.57	22.68	24
			39	19	23.22	23.24	23.36	24
	CP-OFDM 16QAM	Outer	1	0	20.44	20.40	20.59	22
			1	78	20.90	20.94	21.10	22
			2	0	20.27	20.25	20.42	22
			2	77	20.76	20.77	20.92	22
			79	0	20.70	20.62	20.84	22
		Inner	1	1	21.65	21.54	21.67	23
			1	77	21.96	21.95	22.14	23
			39	19	21.82	21.69	21.92	23
	CP-OFDM 64QAM	Outer	1	0	19.49	19.49	19.68	21
			1	78	20.10	20.09	20.12	21
			2	0	19.69	19.65	19.84	21
			2	77	20.15	20.18	20.28	21
			79	0	20.34	20.20	20.48	21
		Inner	1	1	19.52	19.58	19.70	21
			1	77	19.88	19.77	20.02	21
			39	19	20.27	20.25	20.35	21
	CP-OFDM 256QAM	Outer	1	0	16.75	16.73	16.90	18
			1	78	17.08	16.96	17.14	18
			2	0	16.76	16.70	16.96	18
			2	77	17.29	17.25	17.27	18
			79	0	17.15	17.11	17.29	18
		Inner	1	1	16.82	16.78	16.93	18
			1	77	17.23	17.10	17.33	18
			39	19	17.25	17.22	17.39	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 166800	Mid CH 167300	High CH 167800	Max. Tune-up (dBm)
					Frequency 834MHz	Frequency 836.5MHz	Frequency 839MHz	
20M	CP-OFDM QPSK	Outer	1	0	20.51	20.48	20.66	22
			1	105	20.94	20.96	21.07	22
			2	0	20.35	20.35	20.52	22
			2	104	20.75	20.79	20.90	22
			106	0	20.78	20.70	20.90	22
		Inner	1	1	22.88	22.88	23.00	24
			1	104	22.59	22.61	22.71	24
			53	26	23.25	23.25	23.42	24
	CP-OFDM 16QAM	Outer	1	0	20.48	20.45	20.61	22
			1	105	20.96	20.96	21.13	22
			2	0	20.29	20.33	20.43	22
			2	104	20.84	20.81	20.97	22
			106	0	20.73	20.68	20.86	22
		Inner	1	1	21.66	21.59	21.75	23
			1	104	22.02	21.98	22.18	23
			53	26	21.84	21.76	21.97	23
	CP-OFDM 64QAM	Outer	1	0	19.55	19.57	19.70	21
			1	105	20.11	20.11	20.20	21
			2	0	19.76	19.73	19.90	21
			2	104	20.17	20.19	20.32	21
			106	0	20.36	20.28	20.49	21
		Inner	1	1	19.60	19.62	19.75	21
			1	104	19.90	19.85	20.03	21
			53	26	20.35	20.29	20.40	21
	CP-OFDM 256QAM	Outer	1	0	16.78	16.79	16.92	18
			1	105	17.10	17.03	17.19	18
			2	0	16.82	16.78	16.98	18
			2	104	17.30	17.27	17.35	18
			106	0	17.22	17.19	17.35	18
		Inner	1	1	16.85	16.84	16.95	18
			1	104	17.25	17.17	17.38	18
			53	26	17.31	17.30	17.41	18

BW	MCS Index	RB	RB Size	RB Offset	Low CH 165300 Frequency 826.5MHz	Mid CH 167300 Frequency 836.5MHz	High CH 169300 Frequency 846.5MHz	Max. Tune-up (dBm)
5M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.06	22.94	23.09	24
			1	24	23.45	23.27	23.44	24
			2	0	23.13	23.01	23.23	24
			2	23	23.52	23.43	23.46	24
			25	0	23.19	23.18	23.25	24
		Inner	1	1	23.62	23.51	23.68	24
			1	23	23.85	23.77	23.85	24
			12	6	23.77	23.70	23.88	24
	DFT-s-OFDM QPSK	Outer	1	0	23.43	23.36	23.49	24
			1	24	23.78	23.69	23.83	24
			2	0	23.58	23.50	23.58	24
			2	23	23.73	23.72	23.72	24
			25	0	22.75	22.69	22.84	24
		Inner	1	1	23.51	23.45	23.54	24
			1	23	23.84	23.72	23.86	24
			12	6	23.74	23.68	23.77	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.34	21.30	21.39	23
			1	24	21.72	21.62	21.74	23
			2	0	21.50	21.41	21.51	23
			2	23	21.78	21.80	21.85	23
			25	0	21.79	21.76	21.81	23
		Inner	1	1	22.48	22.39	22.46	24
			1	23	22.95	22.92	22.98	24
			12	6	22.71	22.70	22.76	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.16	21.09	21.16	23
			1	24	21.52	21.52	21.55	23
			2	0	21.08	21.05	21.10	23
			2	23	21.26	21.23	21.31	23
			25	0	21.33	21.15	21.34	23
		Inner	1	1	21.10	21.11	21.16	23
			1	23	21.69	21.55	21.64	23
			12	6	21.21	21.10	21.28	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.52	20.41	20.54	22
			1	24	20.94	20.89	20.96	22
			2	0	21.05	20.95	21.14	22
			2	23	21.43	21.34	21.47	22
			25	0	21.23	21.19	21.21	22
		Inner	1	1	20.49	20.34	20.47	22
			1	23	20.95	20.81	21.00	22
			12	6	21.27	21.17	21.22	22

BW	MCS Index	RB	RB Size	RB Offset	Low CH 165800 Frequency 829MHz	Mid CH 167300 Frequency 836.5MHz	High CH 168800 Frequency 844MHz	Max. Tune-up (dBm)
10M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.05	22.99	23.08	24
			1	51	23.40	23.30	23.44	24
			2	0	23.14	23.04	23.19	24
			2	50	23.48	23.47	23.46	24
			50	0	23.23	23.14	23.29	24
		Inner	1	1	23.60	23.54	23.64	24
			1	50	23.84	23.74	23.88	24
			25	12	23.76	23.73	23.85	24
	DFT-s-OFDM QPSK	Outer	1	0	23.49	23.30	23.52	24
			1	51	23.72	23.71	23.77	24
			2	0	23.60	23.54	23.60	24
			2	50	23.74	23.66	23.77	24
			50	0	22.78	22.69	22.81	24
		Inner	1	1	23.47	23.42	23.56	24
			1	50	23.88	23.74	23.84	24
			25	12	23.71	23.65	23.75	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.41	21.26	21.43	23
			1	51	21.73	21.63	21.76	23
			2	0	21.50	21.39	21.57	23
			2	50	21.78	21.74	21.86	23
			50	0	21.73	21.77	21.84	23
		Inner	1	1	22.51	22.40	22.50	24
			1	50	22.95	22.90	23.00	24
			25	12	22.71	22.71	22.80	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.14	21.05	21.15	23
			1	51	21.52	21.56	21.61	23
			2	0	21.06	21.01	21.14	23
			2	50	21.29	21.22	21.35	23
			50	0	21.34	21.19	21.28	23
		Inner	1	1	21.11	21.03	21.11	23
			1	50	21.68	21.56	21.68	23
			25	12	21.22	21.13	21.33	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.54	20.45	20.51	22
			1	51	20.88	20.89	20.99	22
			2	0	21.10	20.99	21.13	22
			2	50	21.42	21.41	21.42	22
			50	0	21.27	21.18	21.24	22
		Inner	1	1	20.45	20.39	20.49	22
			1	50	20.98	20.83	21.00	22
			25	12	21.27	21.14	21.22	22

BW	MCS Index	RB	RB Size	RB Offset	Low CH 166300 Frequency 831.5MHz	Mid CH 167300 Frequency 836.5MHz	High CH 168300 Frequency 841.5MHz	Max. Tune-up (dBm)
15M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.10	22.97	23.06	24
			1	78	23.43	23.32	23.40	24
			2	0	23.16	23.08	23.20	24
			2	77	23.50	23.43	23.50	24
			75	0	23.26	23.17	23.25	24
		Inner	1	1	23.58	23.49	23.67	24
			1	77	23.90	23.75	23.87	24
			36	18	23.81	23.74	23.84	24
	DFT-s-OFDM QPSK	Outer	1	0	23.47	23.33	23.52	24
			1	78	23.74	23.75	23.82	24
			2	0	23.64	23.48	23.65	24
			2	77	23.71	23.70	23.73	24
			75	0	22.79	22.68	22.84	24
		Inner	1	1	23.52	23.45	23.50	24
			1	77	23.83	23.73	23.88	24
			36	18	23.74	23.66	23.76	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.36	21.24	21.43	23
			1	78	21.77	21.68	21.73	23
			2	0	21.45	21.39	21.53	23
			2	77	21.81	21.81	21.83	23
			75	0	21.79	21.73	21.88	23
		Inner	1	1	22.46	22.42	22.47	24
			1	77	22.95	22.89	23.04	24
			36	18	22.71	22.68	22.77	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.15	21.04	21.21	23
			1	78	21.58	21.50	21.58	23
			2	0	21.05	21.08	21.16	23
			2	77	21.30	21.28	21.28	23
			75	0	21.28	21.15	21.30	23
		Inner	1	1	21.12	21.00	21.15	23
			1	77	21.68	21.50	21.67	23
			36	18	21.22	21.10	21.32	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.53	20.39	20.55	22
			1	78	20.88	20.92	20.96	22
			2	0	21.09	20.95	21.15	22
			2	77	21.37	21.38	21.43	22
			75	0	21.28	21.17	21.24	22
		Inner	1	1	20.49	20.34	20.47	22
			1	77	20.95	20.81	21.00	22
			36	18	21.27	21.17	21.22	22

BW	MCS Index	RB	RB Size	RB Offset	Low CH 166800 Frequency 834MHz	Mid CH 167300 Frequency 836.5MHz	High CH 167800 Frequency 839MHz	Max. Tune-up (dBm)
20M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.11	23.01	23.14	24
			1	105	23.47	23.35	23.46	24
			2	0	23.18	23.09	23.24	24
			2	104	23.56	23.48	23.51	24
			100	0	23.27	23.19	23.30	24
		Inner	1	1	23.66	23.56	23.69	24
			1	104	23.91	23.79	23.90	24
			50	25	23.84	23.75	23.90	24
	DFT-s-OFDM QPSK	Outer	1	0	23.51	23.38	23.54	24
			1	105	23.80	23.77	23.85	24
			2	0	23.66	23.56	23.66	24
			2	104	23.79	23.74	23.78	24
			100	0	22.82	22.74	22.86	24
		Inner	1	1	23.53	23.50	23.58	24
			1	104	23.89	23.76	23.92	24
			50	25	23.76	23.73	23.81	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.42	21.32	21.45	23
			1	105	21.78	21.70	21.81	23
			2	0	21.52	21.47	21.59	23
			2	104	21.83	21.82	21.87	23
			100	0	21.81	21.81	21.89	23
		Inner	1	1	22.54	22.46	22.52	24
			1	104	22.97	22.97	23.05	24
			50	25	22.79	22.72	22.82	24
	DFT-s-OFDM 64QAM	Outer	1	0	21.18	21.10	21.23	23
			1	105	21.60	21.57	21.63	23
			2	0	21.11	21.06	21.18	23
			2	104	21.31	21.30	21.36	23
			100	0	21.35	21.23	21.36	23
		Inner	1	1	21.15	21.06	21.17	23
			1	104	21.70	21.57	21.72	23
			50	25	21.28	21.18	21.34	23
	DFT-s-OFDM 256QAM	Outer	1	0	20.55	20.47	20.56	22
			1	105	20.96	20.96	21.01	22
			2	0	21.11	21.03	21.16	22
			2	104	21.45	21.42	21.48	22
			100	0	21.31	21.23	21.26	22
		Inner	1	1	20.51	20.41	20.52	22
			1	104	21.01	20.89	21.02	22
			50	25	21.28	21.19	21.30	22

EIRP POWER (dBm)

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CHANNEL BANDWIDTH: 5MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
370500	1852.5	23.28	2.45	25.73	374.11	2
376000	1880	23.8	2.45	26.25	421.70	2
381500	1907.5	23.48	2.45	25.93	391.74	2

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
370500	1852.5	23.24	2.45	25.69	370.68	2
376000	1880	23.67	2.45	26.12	409.26	2
381500	1907.5	23.4	2.45	25.85	384.59	2

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
370500	1852.5	22.51	2.45	24.96	313.33	2
376000	1880	22.92	2.45	25.37	344.35	2
381500	1907.5	22.65	2.45	25.1	323.59	2

CHANNEL BANDWIDTH: 5MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
370500	1852.5	22.3	2.45	24.75	298.54	2
376000	1880	22.77	2.45	25.22	332.66	2
381500	1907.5	22.52	2.45	24.97	314.05	2

CHANNEL BANDWIDTH: 5MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
370500	1852.5	20.85	2.45	23.3	213.8	2
376000	1880	21.27	2.45	23.72	235.5	2
381500	1907.5	20.97	2.45	23.42	219.79	2

CHANNEL BANDWIDTH: 10MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
371000	1855	23.29	2.45	25.74	374.97	2
376000	1880	23.77	2.45	26.22	418.79	2
381000	1905	23.51	2.45	25.96	394.46	2

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
371000	1855	23.21	2.45	25.66	368.13	2
376000	1880	23.73	2.45	26.18	414.95	2
381000	1905	23.4	2.45	25.85	384.59	2

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
371000	1855	22.46	2.45	24.91	309.74	2
376000	1880	22.94	2.45	25.39	345.94	2
381000	1905	22.68	2.45	25.13	325.84	2

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
371000	1855	22.34	2.45	24.79	301.3	2
376000	1880	22.75	2.45	25.2	331.13	2
381000	1905	22.48	2.45	24.93	311.17	2

CHANNEL BANDWIDTH: 10MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
371000	1855	20.84	2.45	23.29	213.3	2
376000	1880	21.26	2.45	23.71	234.96	2
381000	1905	21.02	2.45	23.47	222.33	2

CHANNEL BANDWIDTH: 15MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
371500	1857.5	23.33	2.45	25.78	378.44	2
376000	1880	23.81	2.45	26.26	422.67	2
380500	1902.5	23.47	2.45	25.92	390.84	2

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
371500	1857.5	23.27	2.45	25.72	373.25	2
376000	1880	23.68	2.45	26.13	410.2	2
380500	1902.5	23.41	2.45	25.86	385.48	2

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
371500	1857.5	22.51	2.45	24.96	313.33	2
376000	1880	22.91	2.45	25.36	343.56	2
380500	1902.5	22.69	2.45	25.14	326.59	2

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
371500	1857.5	22.3	2.45	24.75	298.54	2
376000	1880	22.74	2.45	25.19	330.37	2
380500	1902.5	22.51	2.45	24.96	313.33	2

CHANNEL BANDWIDTH: 15MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
371500	1857.5	20.85	2.45	23.3	213.8	2
376000	1880	21.3	2.45	23.75	237.14	2
380500	1902.5	20.97	2.45	23.42	219.79	2

CHANNEL BANDWIDTH: 20MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
372000	1860	23.36	2.45	25.81	381.07	2
376000	1880	23.82	2.45	26.27	**423.64**	2
380000	1900	23.53	2.45	25.98	396.28	2

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
372000	1860	23.29	2.45	25.74	374.97	2
376000	1880	23.75	2.45	26.2	416.87	2
380000	1900	23.46	2.45	25.91	389.94	2

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
372000	1860	22.53	2.45	24.98	314.77	2
376000	1880	22.99	2.45	25.44	349.95	2
380000	1900	22.7	2.45	25.15	327.34	2

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
372000	1860	22.36	2.45	24.81	302.69	2
376000	1880	22.82	2.45	25.27	336.51	2
380000	1900	22.53	2.45	24.98	314.77	2

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	EIRP (dBm)	EIRP (mW)	Limit (W)
372000	1860	20.86	2.45	23.31	214.29	2
376000	1880	21.32	2.45	23.77	238.23	2
380000	1900	21.03	2.45	23.48	222.84	2

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

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CHANNEL BANDWIDTH: 5MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
165300	826.5	23.87	0.58	22.3	169.82	7
167300	836.5	23.84	0.58	22.27	168.66	7
169300	846.5	23.9	0.58	22.33	171.00	7

CHANNEL BANDWIDTH: 5MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
165300	826.5	23.86	0.58	22.29	169.43	7
167300	836.5	23.8	0.58	22.23	167.11	7
169300	846.5	23.88	0.58	22.31	170.22	7

CHANNEL BANDWIDTH: 5MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
165300	826.5	23.03	0.58	21.46	139.96	7
167300	836.5	22.93	0.58	21.36	136.77	7
169300	846.5	23	0.58	21.43	139	7

CHANNEL BANDWIDTH: 5MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
165300	826.5	21.71	0.58	20.14	103.28	7
167300	836.5	21.63	0.58	20.06	101.39	7
169300	846.5	21.66	0.58	20.09	102.09	7

CHANNEL BANDWIDTH: 5MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
165300	826.5	21.49	0.58	19.92	98.17	7
167300	836.5	21.36	0.58	19.79	95.28	7
169300	846.5	21.52	0.58	19.95	98.86	7

CHANNEL BANDWIDTH: 10MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
165800	829	23.86	0.58	22.29	169.43	7
167300	836.5	23.81	0.58	22.24	167.49	7
168800	844	23.93	0.58	22.36	172.19	7

CHANNEL BANDWIDTH: 10MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
165800	829	23.9	0.58	22.33	171	7
167300	836.5	23.82	0.58	22.25	167.88	7
168800	844	23.85	0.58	22.28	169.04	7

CHANNEL BANDWIDTH: 10MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
165800	829	23.03	0.58	21.46	139.96	7
167300	836.5	22.91	0.58	21.34	136.14	7
168800	844	23.02	0.58	21.45	139.64	7

CHANNEL BANDWIDTH: 10MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
165800	829	21.7	0.58	20.13	103.04	7
167300	836.5	21.64	0.58	20.07	101.62	7
168800	844	21.7	0.58	20.13	103.04	7

CHANNEL BANDWIDTH: 10MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
165800	829	21.48	0.58	19.91	97.95	7
167300	836.5	21.43	0.58	19.86	96.83	7
168800	844	21.47	0.58	19.9	97.72	7

CHANNEL BANDWIDTH: 15MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
166300	831.5	23.92	0.58	22.35	171.79	7
167300	836.5	23.82	0.58	22.25	167.88	7
168300	841.5	23.92	0.58	22.35	171.79	7

CHANNEL BANDWIDTH: 15MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
166300	831.5	23.85	0.58	22.28	169.04	7
167300	836.5	23.81	0.58	22.24	167.49	7
168300	841.5	23.89	0.58	22.32	170.61	7

CHANNEL BANDWIDTH: 15MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
166300	831.5	23.03	0.58	21.46	139.96	7
167300	836.5	22.9	0.58	21.33	135.83	7
168300	841.5	23.06	0.58	21.49	140.93	7

CHANNEL BANDWIDTH: 15MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
166300	831.5	21.7	0.58	20.13	103.04	7
167300	836.5	21.58	0.58	20.01	100.23	7
168300	841.5	21.69	0.58	20.12	102.8	7

CHANNEL BANDWIDTH: 15MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
166300	831.5	21.43	0.58	19.86	96.83	7
167300	836.5	21.4	0.58	19.83	96.16	7
168300	841.5	21.48	0.58	19.91	97.95	7

CHANNEL BANDWIDTH: 20MHz Pi/2 BPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
166800	834	23.93	0.58	22.36	172.19	7
167300	836.5	23.86	0.58	22.29	169.43	7
167800	839	23.95	0.58	22.38	172.98	7

CHANNEL BANDWIDTH: 20MHz QPSK

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
166800	834	23.91	0.58	22.34	171.4	7
167300	836.5	23.84	0.58	22.27	168.66	7
167800	839	23.93	0.58	22.36	172.19	7

CHANNEL BANDWIDTH: 20MHz 16QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
166800	834	23.05	0.58	21.48	140.6	7
167300	836.5	22.98	0.58	21.41	138.36	7
167800	839	23.07	0.58	21.5	141.25	7

CHANNEL BANDWIDTH: 20MHz 64QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
166800	834	21.72	0.58	20.15	103.51	7
167300	836.5	21.65	0.58	20.08	101.86	7
167800	839	21.74	0.58	20.17	103.99	7

CHANNEL BANDWIDTH: 20MHz 256QAM

Channel	Frequency (MHz)	Conducted Power (dBm)	G_T-L_C (dB)	ERP (dBm)	ERP (mW)	Limit (W)
166800	834	21.51	0.58	19.94	98.63	7
167300	836.5	21.44	0.58	19.87	97.05	7
167800	839	21.53	0.58	19.96	99.08	7

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

3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILIITY MEASUREMENT

1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

3.2.2 TEST PROCEDURE

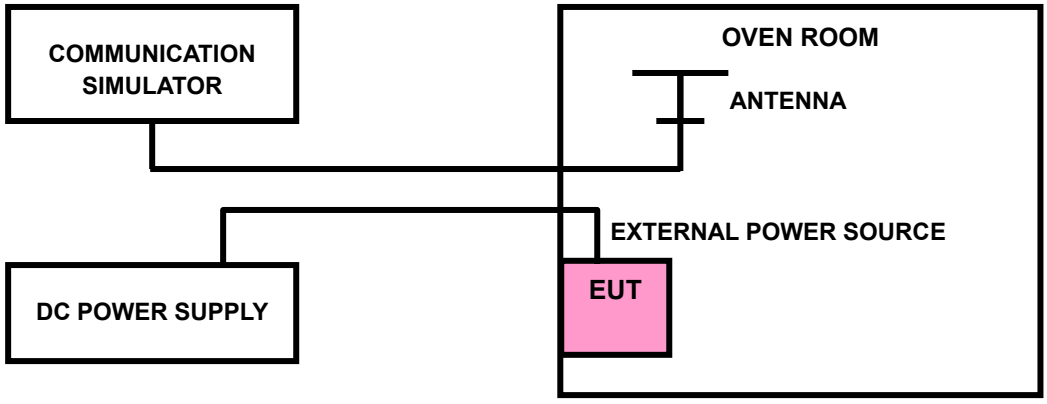
a. Device is placed at the oven room. The oven room could control the temperatures and humidity. Power warm up is at least 15 min and power applied should perform before recording frequency error.

b. EUT is connected the external power supply to control the DC input power. The test voltage range is from minimum to maximum working voltage. Each step shall be record the frequency error rate.

c. The temperature range step is 10 degrees in this test items. All temperature levels shall be hold the ±0.5℃ during the measurement testing. The each temperature step shall be at least 0.5 hours, consider the EUT could be test under the stability condition.

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

3.2.3 TEST SETUP



3.2.4 TEST RESULTS

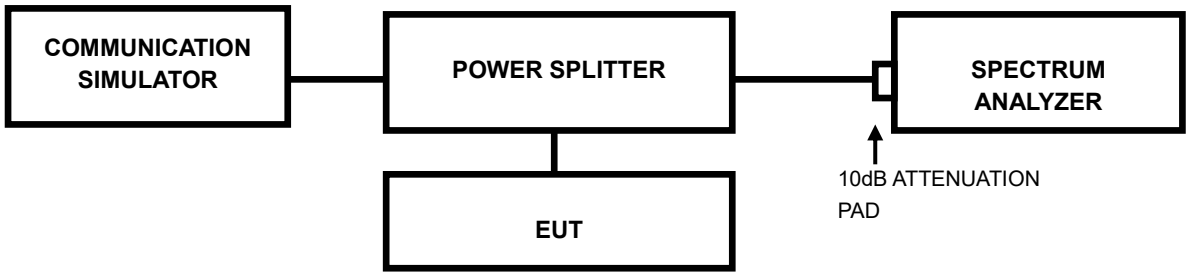
Please Refer to Appendix E Of this test report.

3.3 OCCUPIED BANDWIDTH MEASUREMENT

3.3.1 TEST PROCEDURES

The EUT makes a call to the communication simulator. All measurements were done at low, middle and high operational frequency range. The communication simulator station system controlled a EUT to export maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % occupied bandwidth.

3.3.2 TEST SETUP



3.3.3 TEST RESULTS

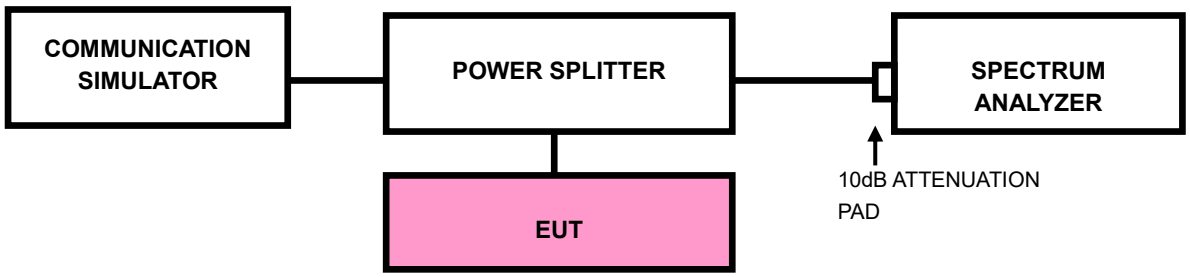
Please Refer to Appendix E Of this test report.

3.4 BAND EDGE MEASUREMENT

3.4.1 LIMITS OF BAND EDGE MEASUREMENT

According to FCC Part22&Part24 specified that 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. In the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.

3.4.2 TEST SETUP



3.4.3 TEST PROCEDURES

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

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

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

3.4.4 TEST RESULTS

Please Refer to Appendix E Of this test report.

3.5 CONDUCTED SPURIOUS EMISSIONS

3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

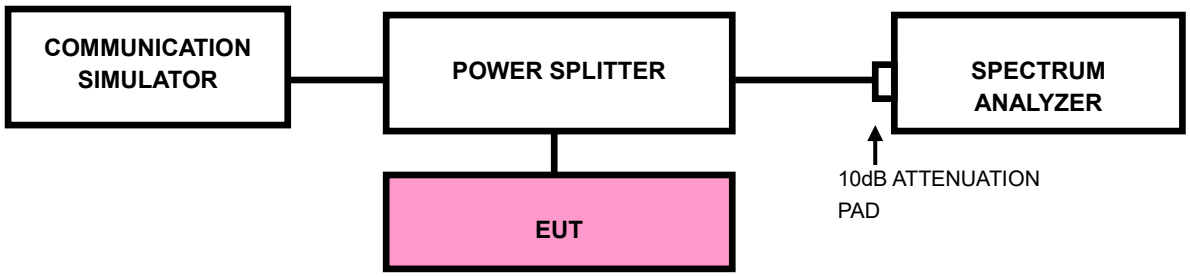
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB. The emission limit equal to –13dBm.

3.5.2 TEST PROCEDURE

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

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

3.5.3 TEST SETUP



3.5.4 TEST RESULTS

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

Please Refer to Appendix E Of this test report.

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.

3.6.2 TEST PROCEDURES

a. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The “Read Value” is the spectrum reading the maximum power value.

b. The substitution horn antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to “Read Value “ of step a. Record the power level of S.G

c. EIRP = Output power level of S.G – TX cable loss + Antenna gain of substitution horn.

d. E.R.P power can be calculated form E.I.R.P power by subtracting the gain of dipole, E.R.P power = E.I.P.R power - 2.15dBi.

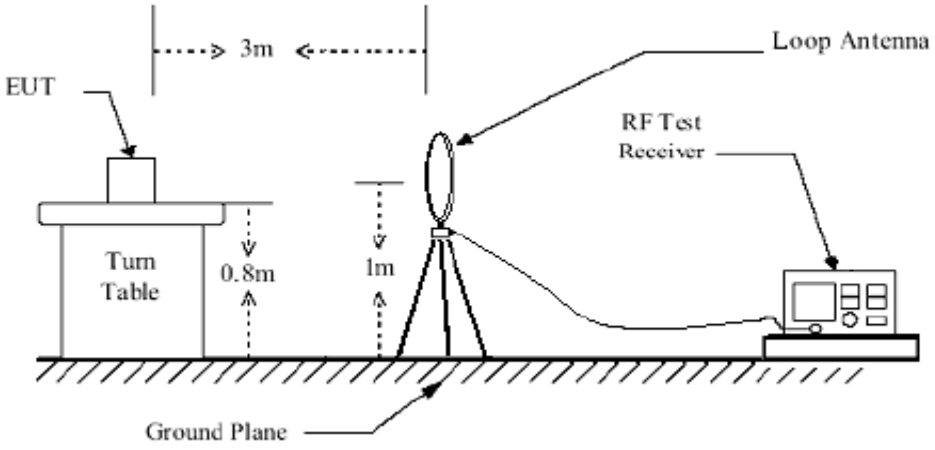
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

3.6.3 DEVIATION FROM TEST STANDARD

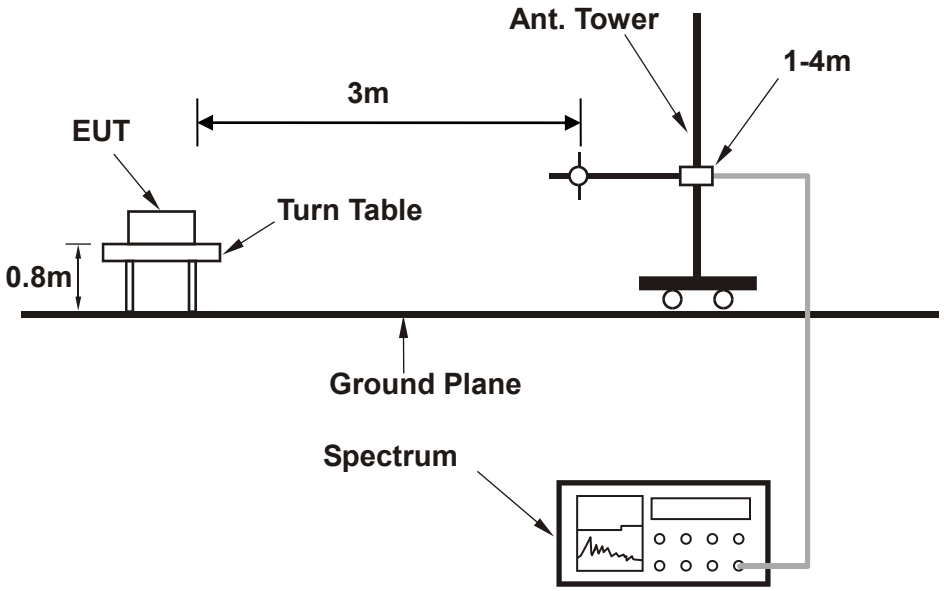
No deviation

3.6.4 TEST SETUP

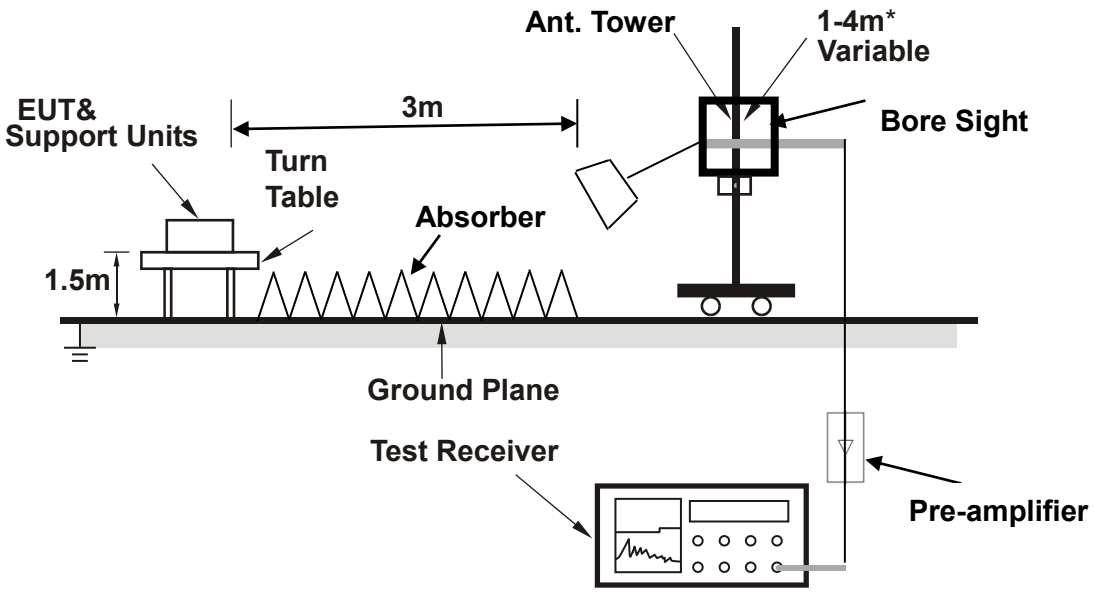
< Frequency Range below 30MHz >



< 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

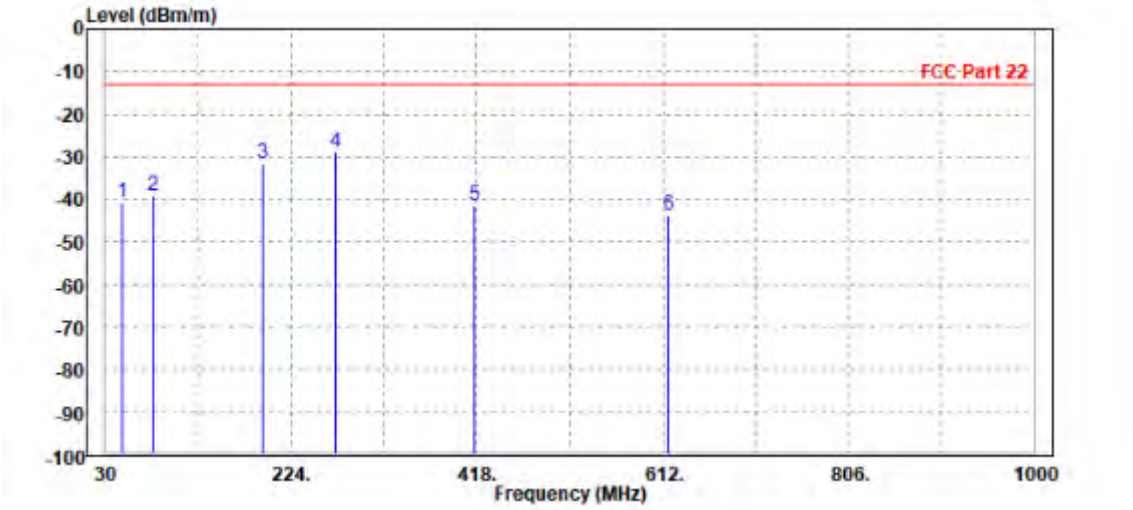
30 MHz – 1GHz data:

DC_B2A_n5

CHANNEL BANDWIDTH: 20MHz / QPSK

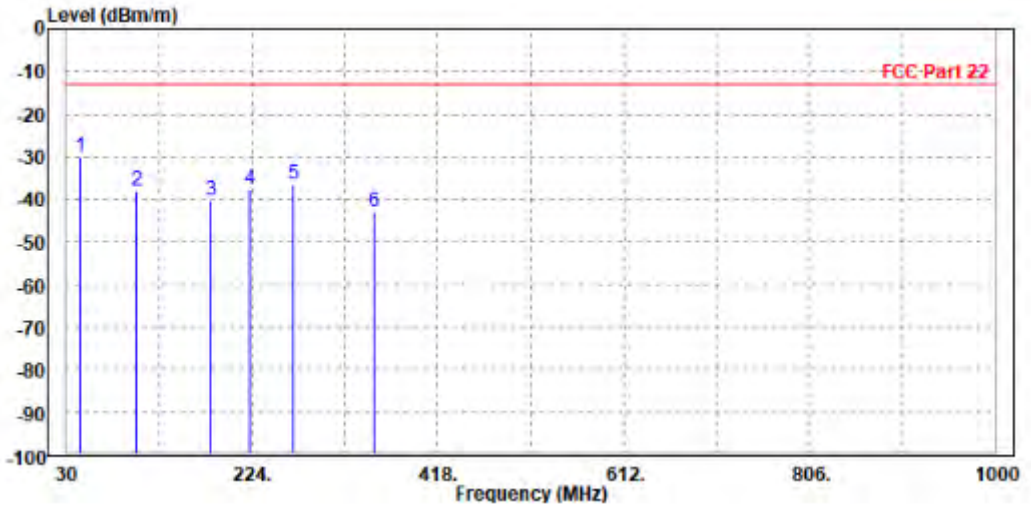
MODE	TX channel 167300	**FREQUENCY RANGE**	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	48.430	-40.53	-50.82	-13.00	-27.53	10.29	Peak	Horizontal
2	79.470	-39.32	-47.02	-13.00	-26.32	7.70	Peak	Horizontal
3	194.900	-31.75	-43.08	-13.00	-18.75	11.33	Peak	Horizontal
4 PP	270.560	-29.09	-42.80	-13.00	-16.09	13.71	Peak	Horizontal
5	415.090	-41.38	-57.87	-13.00	-28.38	16.49	Peak	Horizontal
6	617.820	-43.69	-63.73	-13.00	-30.69	20.04	Peak	Horizontal



MODE	TX channel 167300	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			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	43.580	-29.95	-41.65	-13.00	-16.95	11.70	Peak	Vertical
2	103.720	-38.01	-47.00	-13.00	-25.01	8.99	Peak	Vertical
3	180.350	-40.44	-51.65	-13.00	-27.44	11.21	Peak	Vertical
4	222.060	-37.54	-49.53	-13.00	-24.54	11.99	Peak	Vertical
5	267.650	-36.68	-49.77	-13.00	-23.68	13.09	Peak	Vertical
6	351.070	-42.83	-58.00	-13.00	-29.83	15.17	Peak	Vertical



ABOVE 1GHz DATA

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

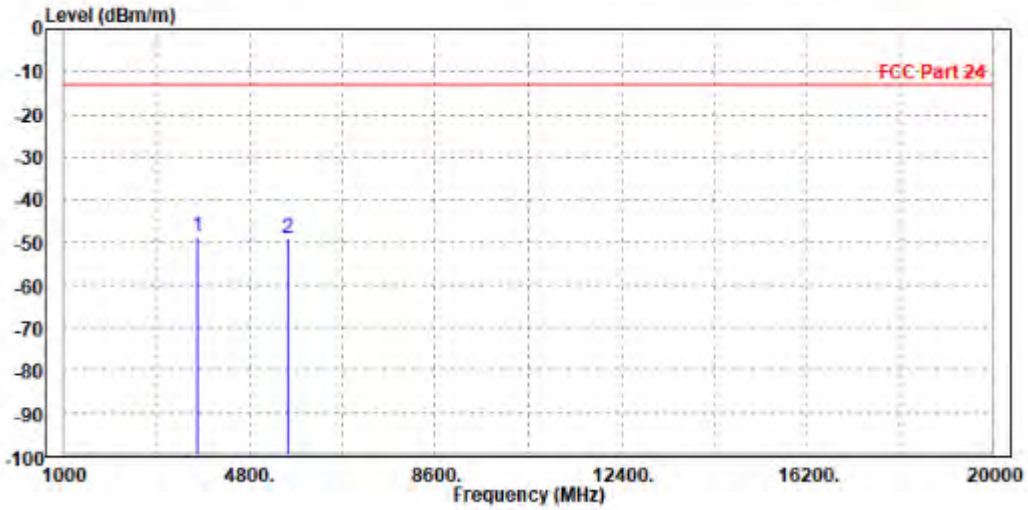
WORST-CASE DATA

DC_B5A_n2:

CH 372000

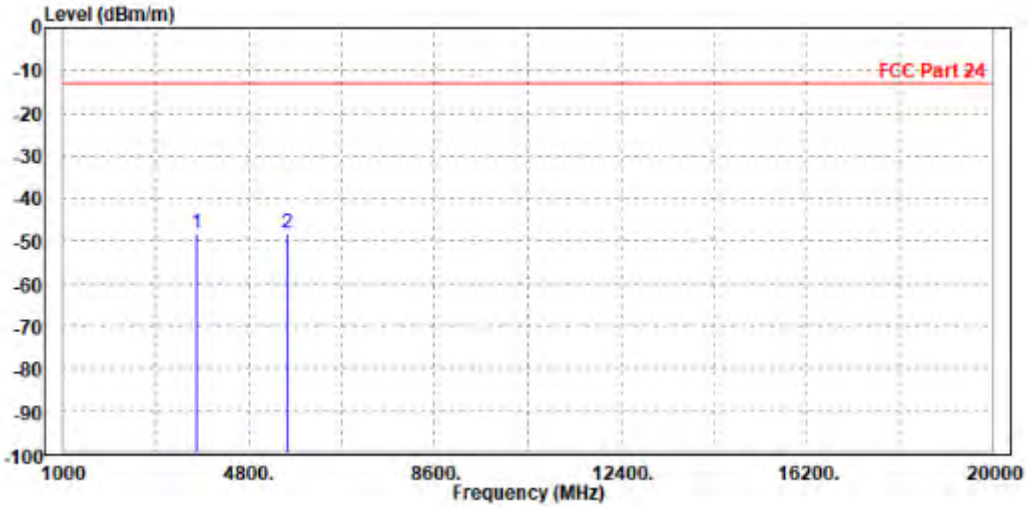
MODE	TX channel 372000	**FREQUENCY RANGE**	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	**INPUT POWER**	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3717.000	-48.84	-57.65	-13.00	-35.84	8.81	Peak	Horizontal
2	5580.000	-49.14	-59.43	-13.00	-36.14	10.29	Peak	Horizontal



MODE	TX channel 372000	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			

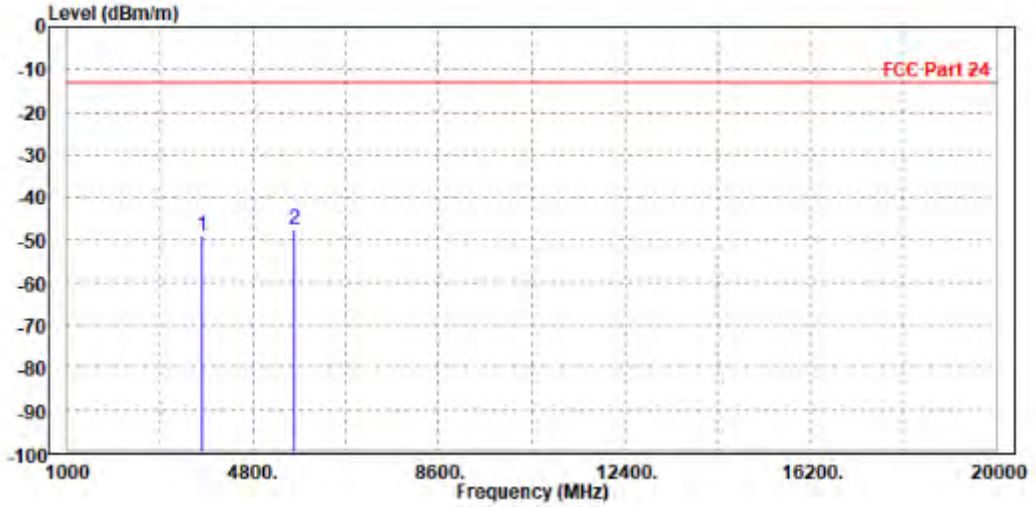
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3720.000	-48.46	-57.72	-13.00	-35.46	9.26	Peak	Vertical
2 PP	5579.000	-48.15	-58.16	-13.00	-35.15	10.01	Peak	Vertical



CH 376000

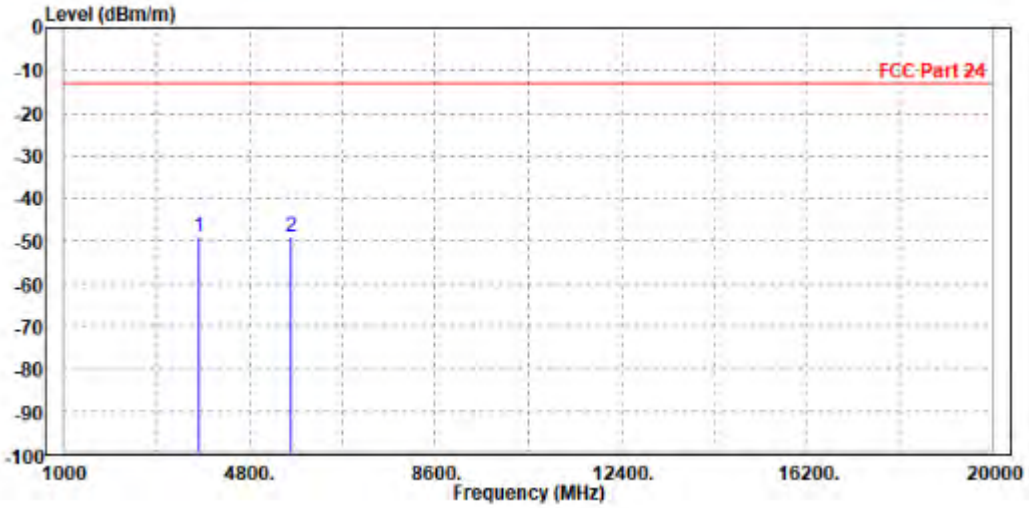
MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3760.000	-48.99	-57.84	-13.00	-35.99	8.85	Peak	Horizontal
2 PP	5636.000	-47.71	-58.18	-13.00	-34.71	10.47	Peak	Horizontal



MODE	TX channel 376000	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			

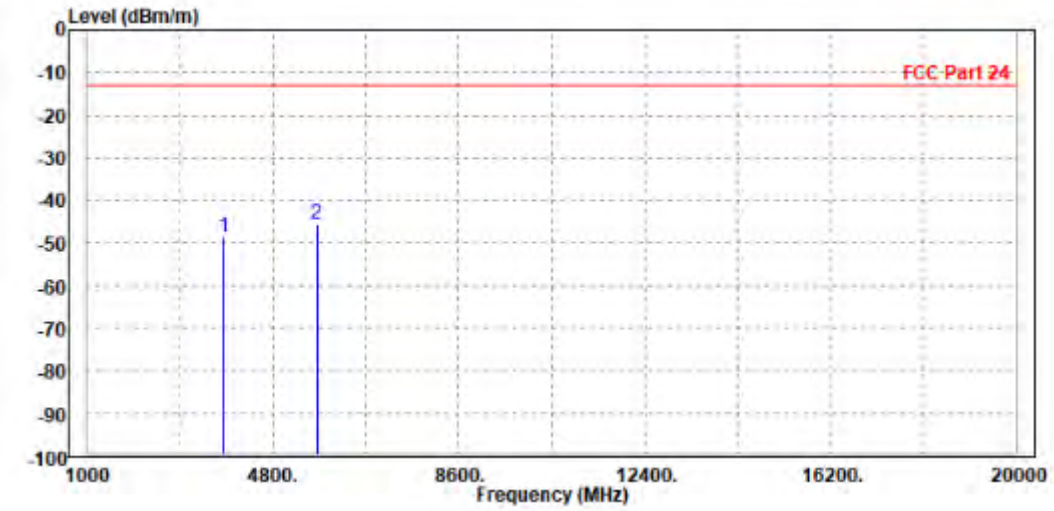
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3755.000	-48.90	-58.17	-13.00	-35.90	9.27	Peak	Vertical
2	5640.000	-49.17	-59.42	-13.00	-36.17	10.25	Peak	Vertical



CH 380000

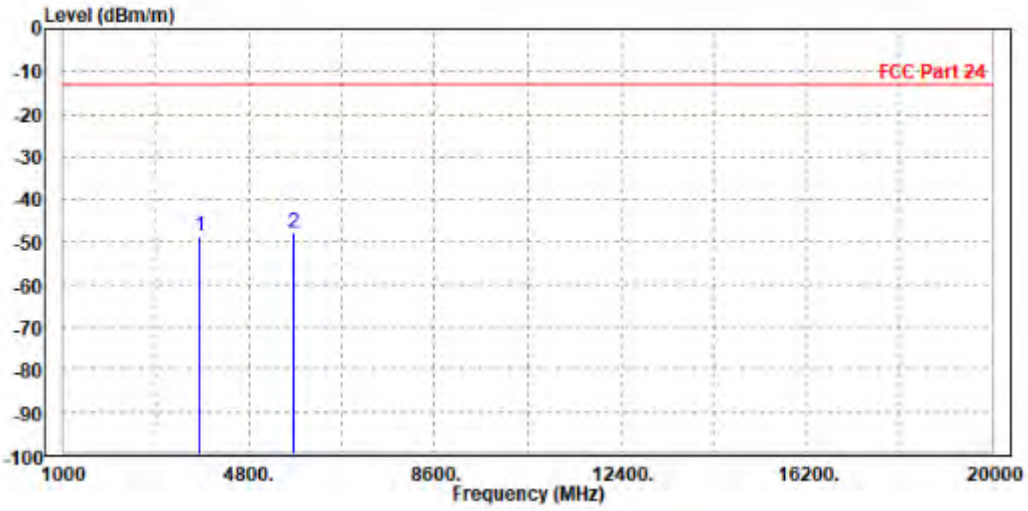
MODE	TX channel 380000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3800.000	-48.66	-57.55	-13.00	-35.66	8.89	Peak	Horizontal
2 PP	5693.000	-45.82	-56.48	-13.00	-32.82	10.66	Peak	Horizontal



MODE	TX channel 380000	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			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3793.000	-48.49	-57.77	-13.00	-35.49	9.28	Peak	Vertical
2 PP	5700.000	-47.84	-58.32	-13.00	-34.84	10.48	Peak	Vertical

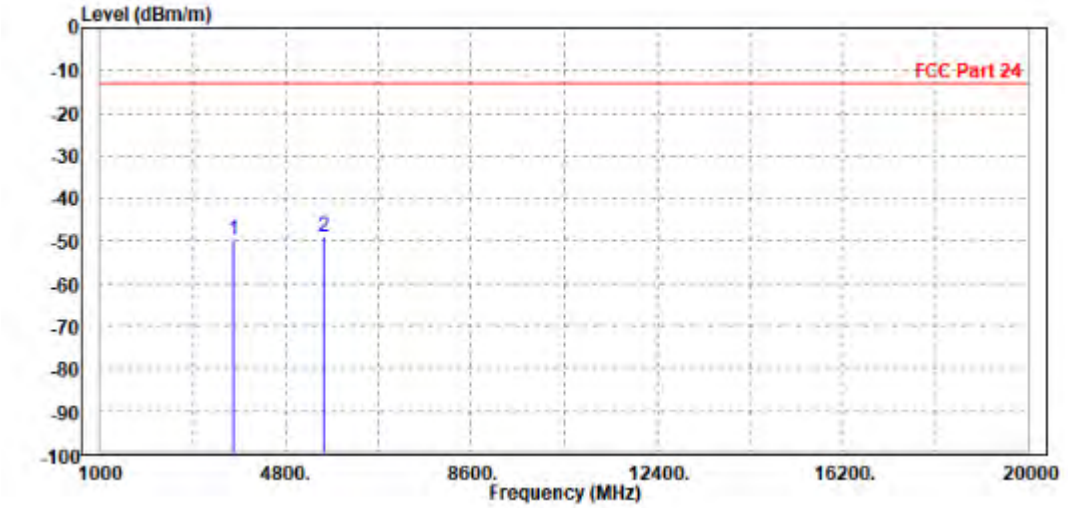


DC_B12A_n2:

CH 372000

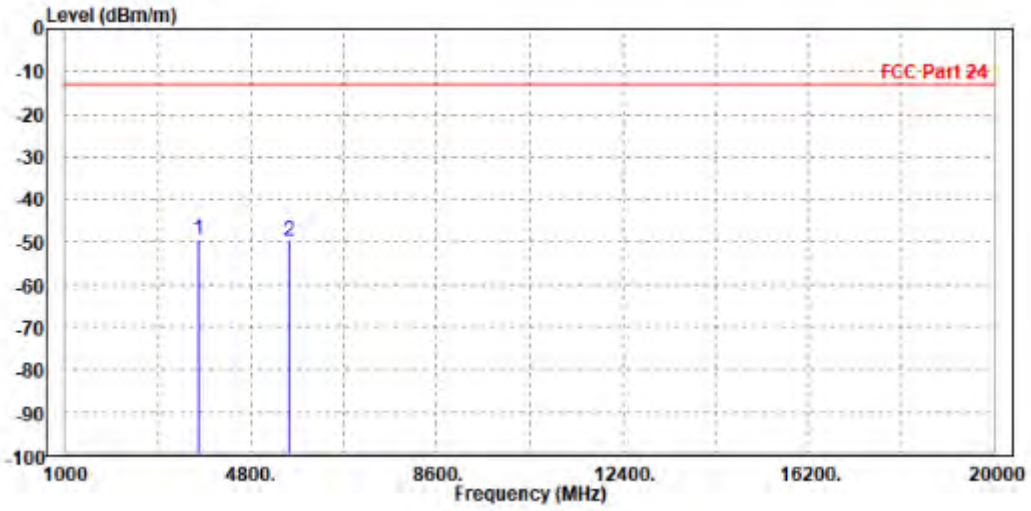
MODE	TX channel 372000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3717.000	-49.99	-58.80	-13.00	-36.99	8.81	Peak	Horizontal
2 PP	5580.000	-49.20	-59.49	-13.00	-36.20	10.29	Peak	Horizontal



MODE	TX channel 372000	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			

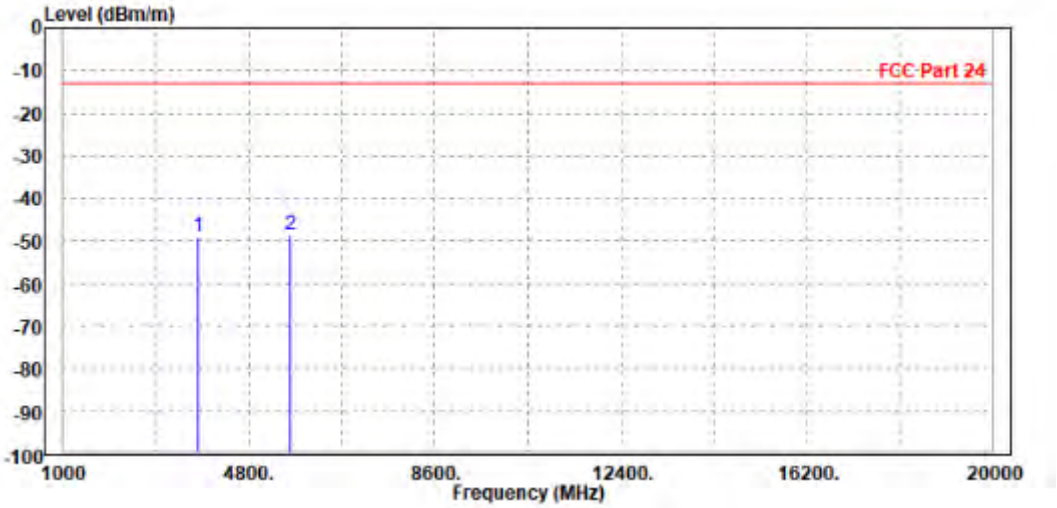
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP 3717.000	-49.44	-58.70	-13.00	-36.44	9.26	Peak	Vertical
2	5580.000	-49.87	-59.88	-13.00	-36.87	10.01	Peak	Vertical



CH 376000

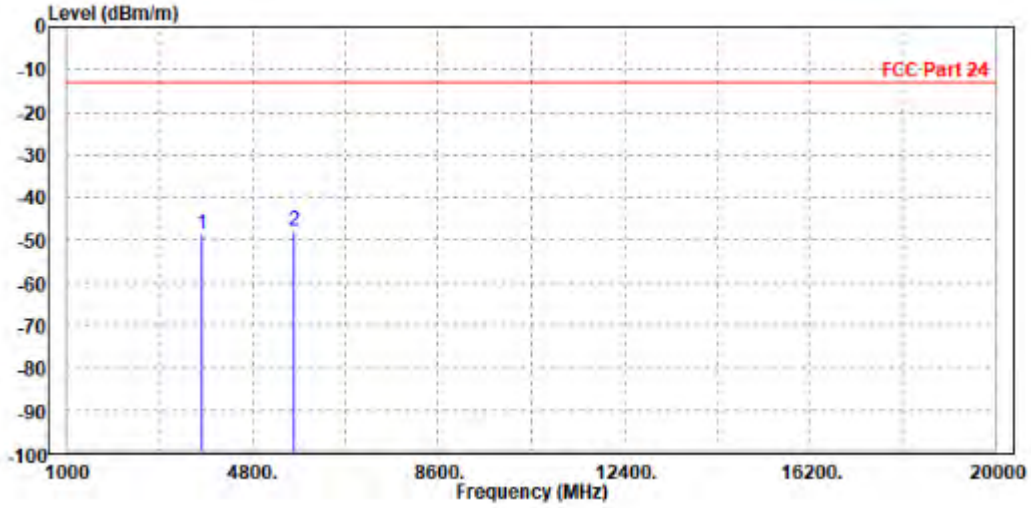
MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3755.000	-48.96	-57.81	-13.00	-35.96	8.85	Peak	Horizontal
2 PP	5640.000	-48.71	-59.19	-13.00	-35.71	10.48	Peak	Horizontal



MODE	TX channel 376000	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			

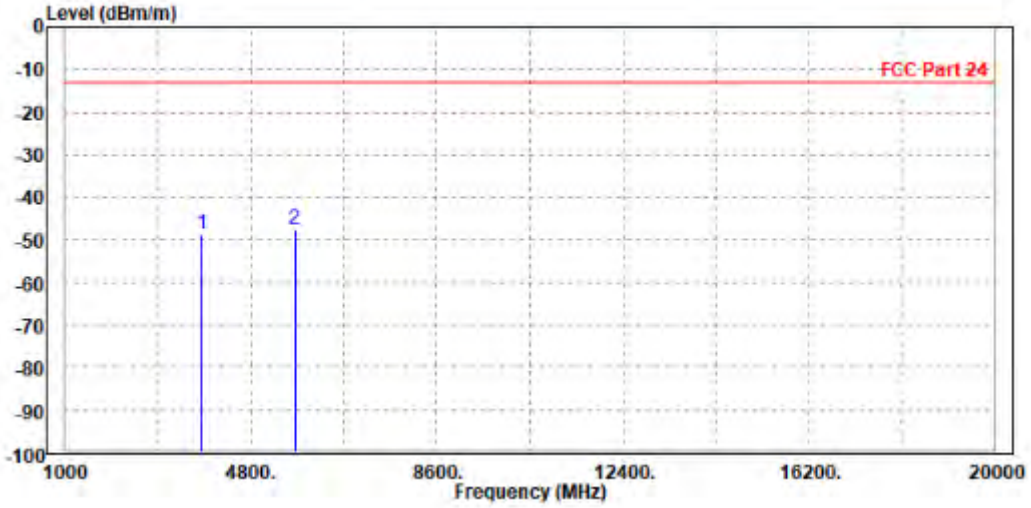
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3760.000	-48.73	-58.00	-13.00	-35.73	9.27	Peak	Vertical
2 PP	5636.000	-47.91	-58.14	-13.00	-34.91	10.23	Peak	Vertical



CH 380000

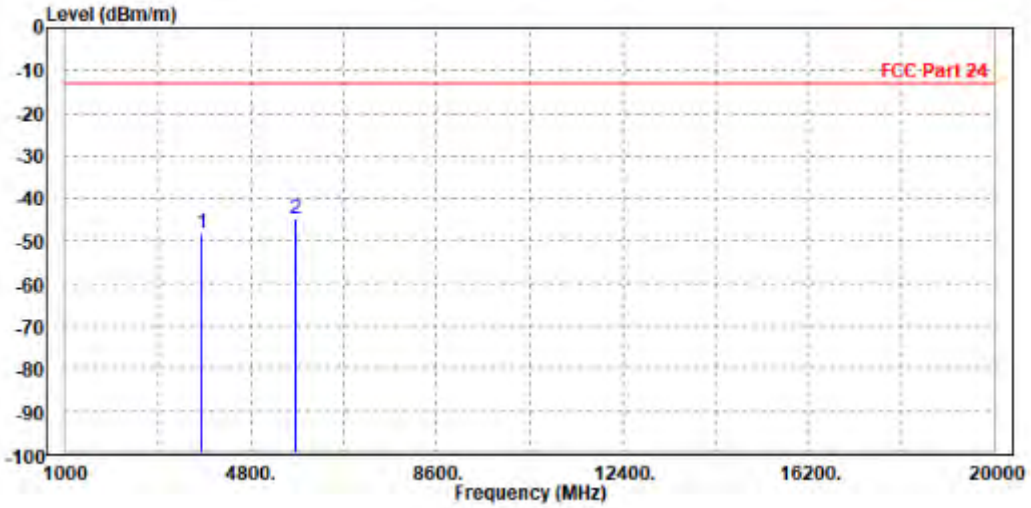
MODE	TX channel 380000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3800.000	-48.57	-57.46	-13.00	-35.57	8.89	Peak	Horizontal
2 PP	5693.000	-47.72	-58.38	-13.00	-34.72	10.66	Peak	Horizontal



MODE	TX channel 380000	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			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3793.000	-48.17	-57.45	-13.00	-35.17	9.28	Peak	Vertical
2 PP	5700.000	-44.98	-55.46	-13.00	-31.98	10.48	Peak	Vertical

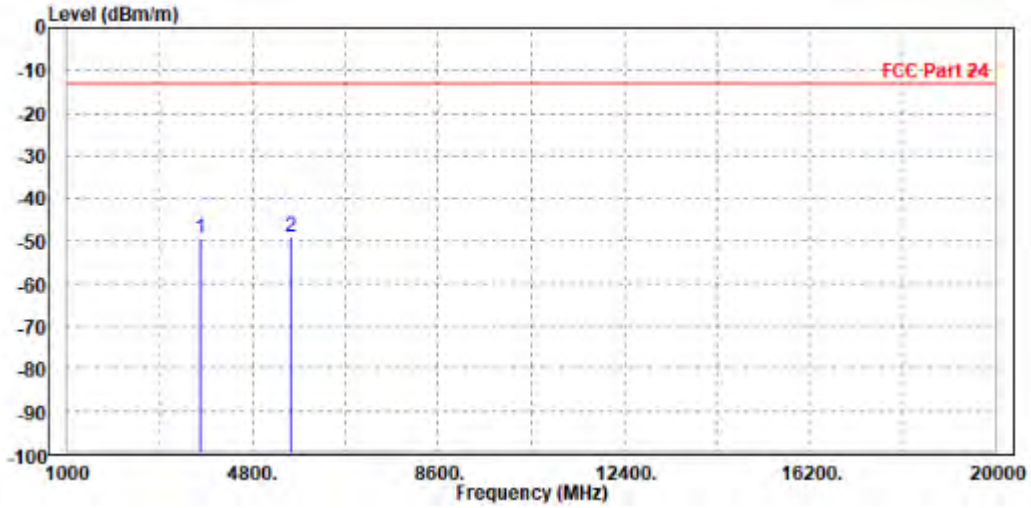


DC_B14A_n2:

CH 372000

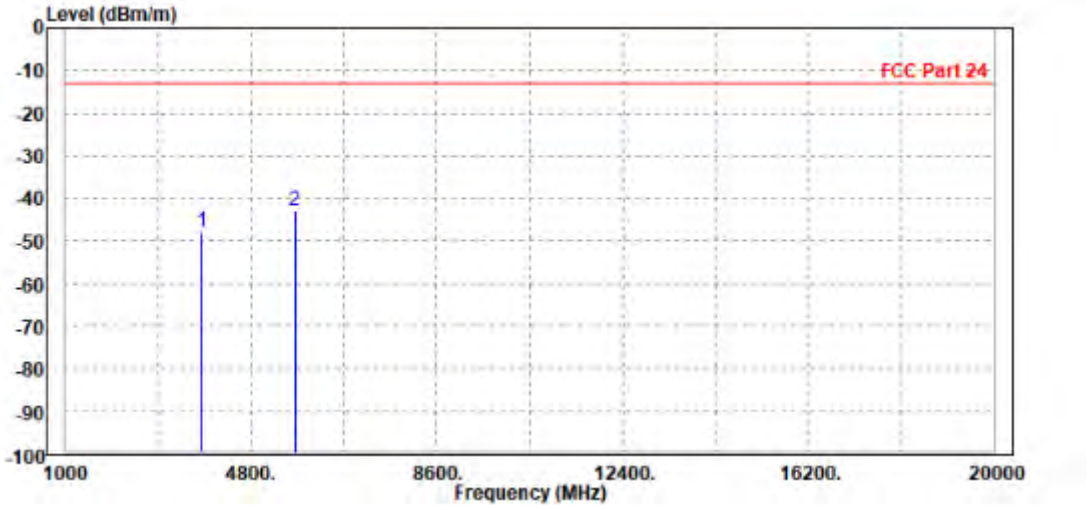
MODE	TX channel 372000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3720.000	-49.41	-58.22	-13.00	-36.41	8.81	Peak	Horizontal
2 PP	5579.000	-49.07	-59.35	-13.00	-36.07	10.28	Peak	Horizontal



MODE	TX channel 372000	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			

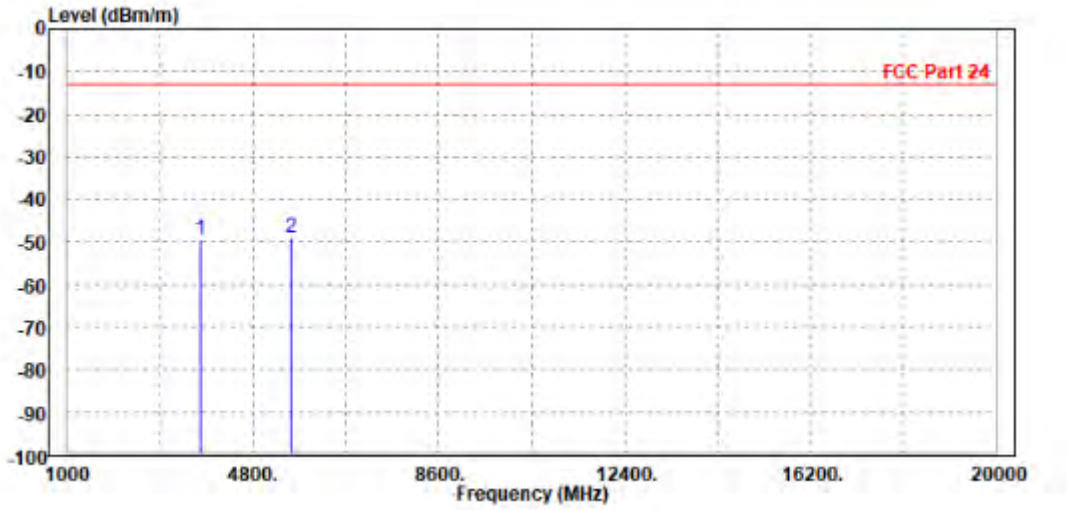
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3800.000	-47.85	-57.13	-13.00	-34.85	9.28	Peak	Vertical
2 PP	5693.000	-42.94	-53.39	-13.00	-29.94	10.45	Peak	Vertical



CH 376000

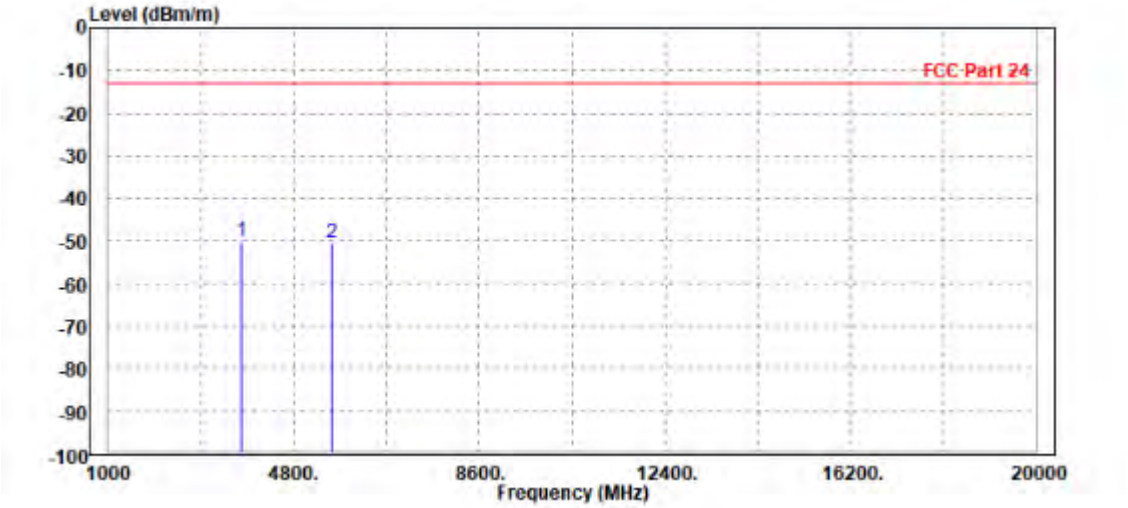
MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3720.000	-49.41	-58.22	-13.00	-36.41	8.81	Peak	Horizontal
2 PP	5579.000	-49.07	-59.35	-13.00	-36.07	10.28	Peak	Horizontal



MODE	TX channel 376000	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			

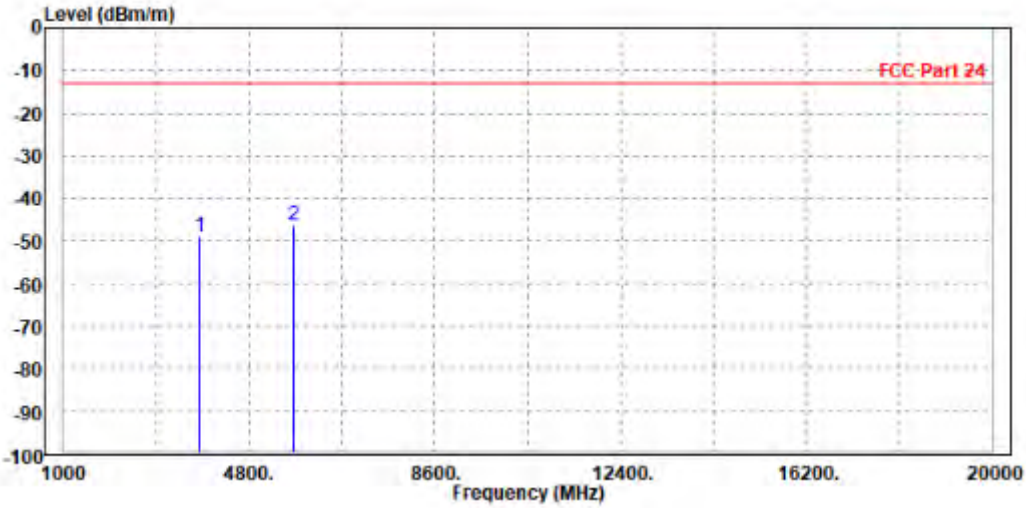
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1 PP	3717.000	-50.25	-59.51	-13.00	-37.25	9.26	Peak	Vertical
2	5580.000	-50.58	-60.59	-13.00	-37.58	10.01	Peak	Vertical



CH 380000

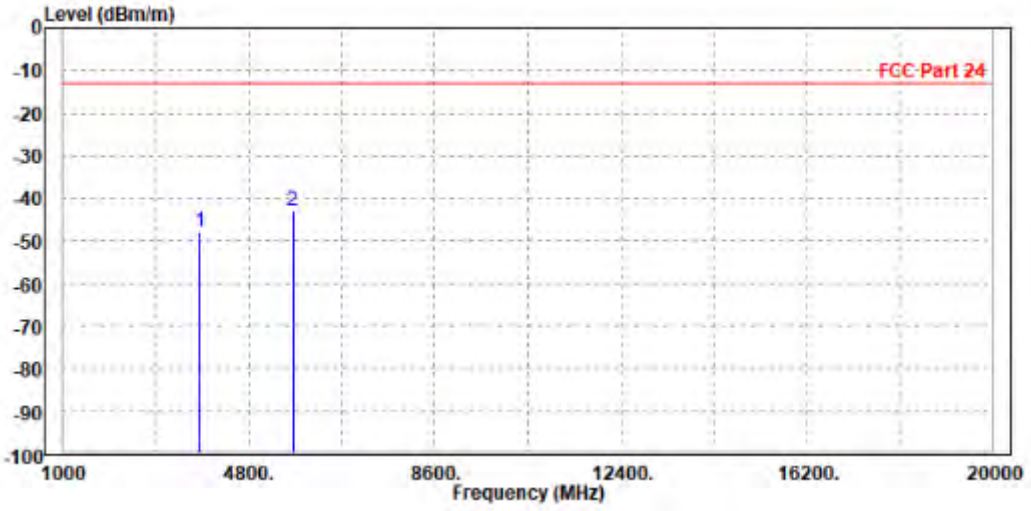
MODE	TX channel 380000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3793.000	-49.15	-58.04	-13.00	-36.15	8.89	Peak	Horizontal
2 PP	5700.000	-46.24	-56.92	-13.00	-33.24	10.68	Peak	Horizontal



MODE	TX channel 380000	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			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3800.000	-47.85	-57.13	-13.00	-34.85	9.28	Peak	Vertical
2 PP	5693.000	-42.94	-53.39	-13.00	-29.94	10.45	Peak	Vertical



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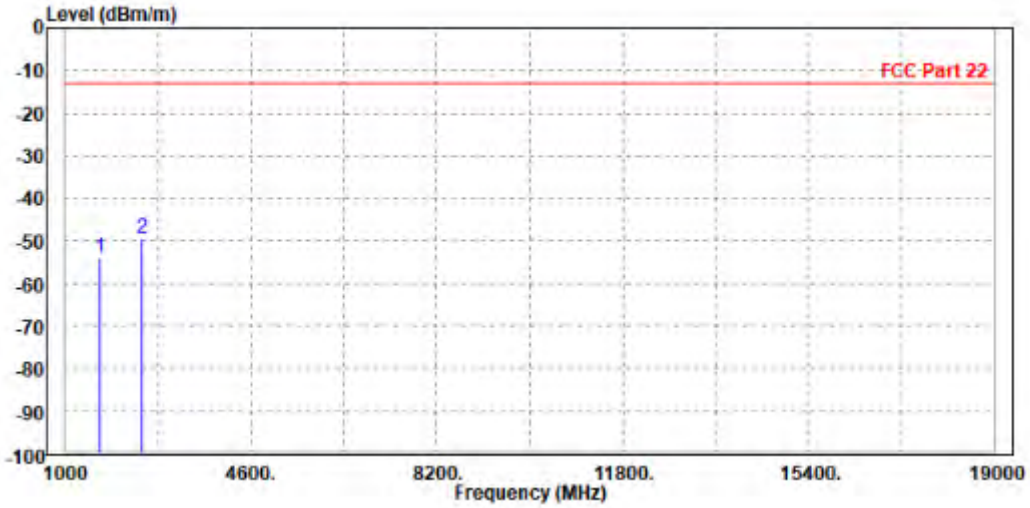
CH 166800:

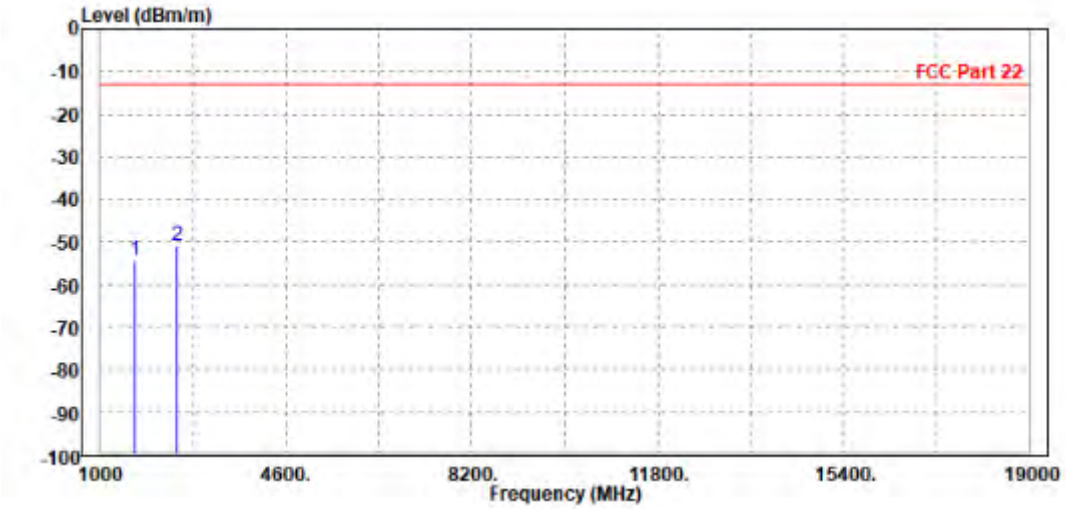
MODE	TX channel 166800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1666.000	-54.11	-57.58	-13.00	-41.11	3.47	Peak	Horizontal
2 PP	2502.000	-49.38	-57.43	-13.00	-36.38	8.05	Peak	Horizontal



MODE	TX channel 166800	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			

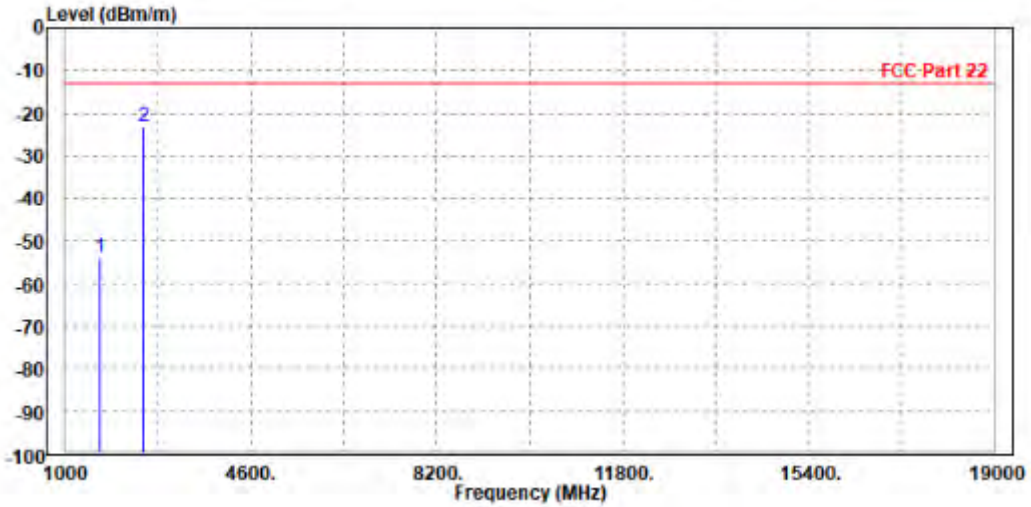
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1666.000	-54.23	-57.77	-13.00	-41.23	3.54	Peak	Vertical
2 PP	2502.000	-50.82	-57.89	-13.00	-37.82	7.07	Peak	Vertical



CH 167300:

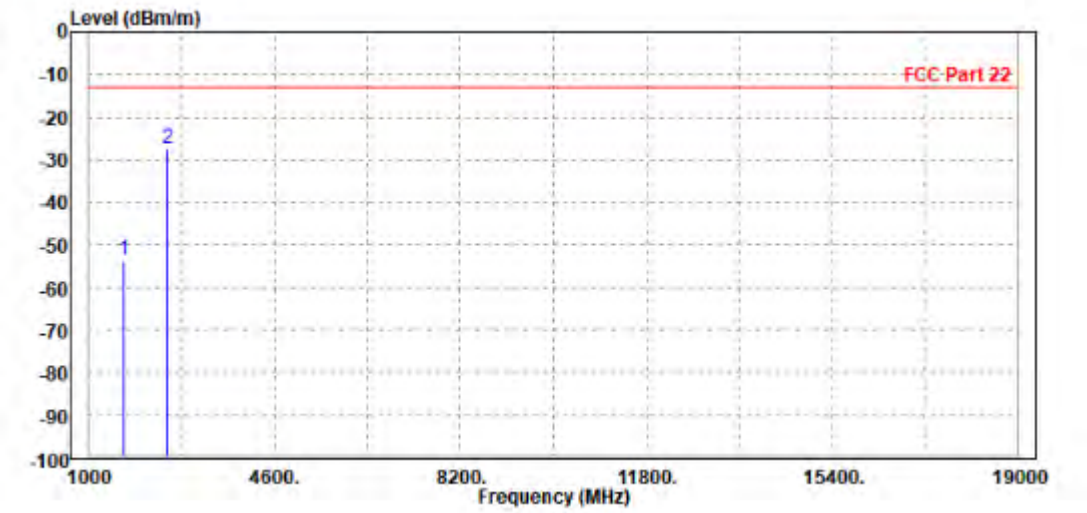
MODE	TX channel 167300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1666.000	-54.10	-57.57	-13.00	-41.10	3.47	Peak	Horizontal
2 PP	2509.500	-23.02	-31.08	-13.00	-10.02	8.06	Peak	Horizontal



MODE	TX channel 167300	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			

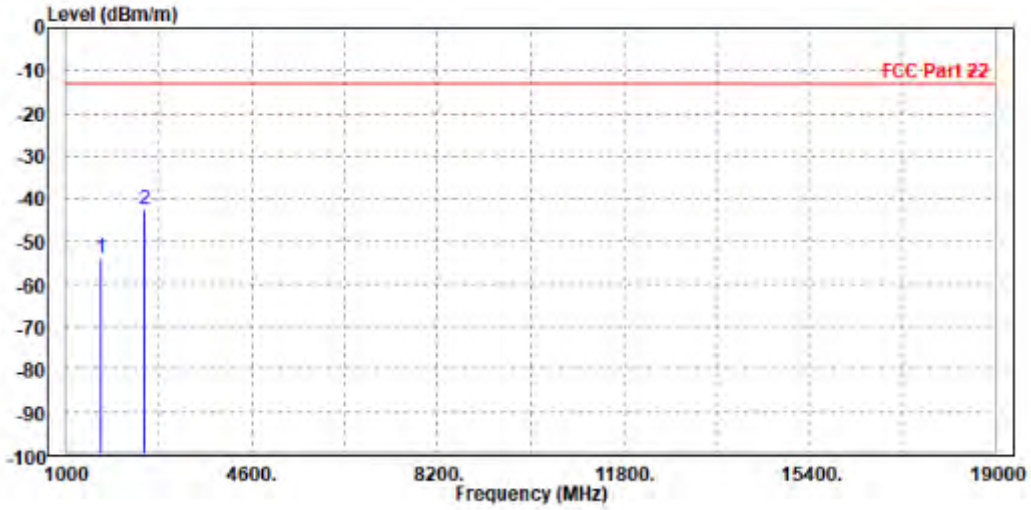
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1666.000	-53.65	-57.19	-13.00	-40.65	3.54	Peak	Vertical
2 PP	2509.500	-27.41	-34.51	-13.00	-14.41	7.10	Peak	Vertical



CH 167800:

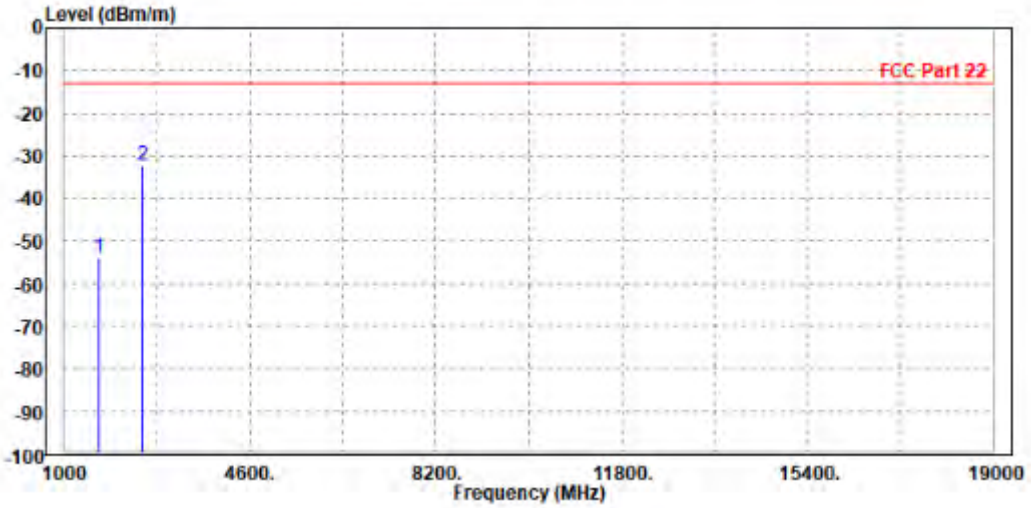
MODE	TX channel 167800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1684.000	-54.12	-57.81	-13.00	-41.12	3.69	Peak	Horizontal
2 PP	2517.000	-42.66	-50.73	-13.00	-29.66	8.07	Peak	Horizontal



MODE	TX channel 167800	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			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1678.000	-54.17	-57.82	-13.00	-41.17	3.65	Peak	Vertical
2 PP	2517.000	-32.37	-39.49	-13.00	-19.37	7.12	Peak	Vertical



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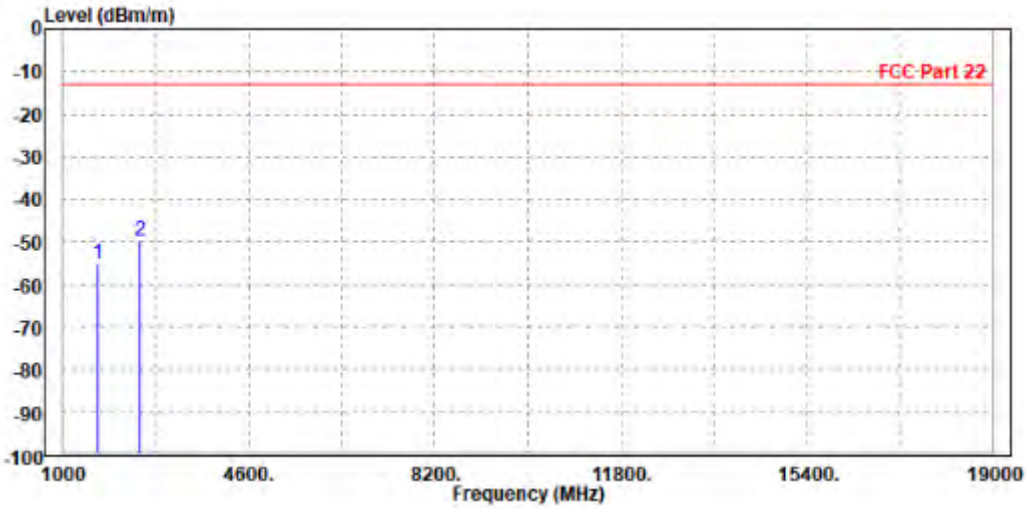
CH 166800:

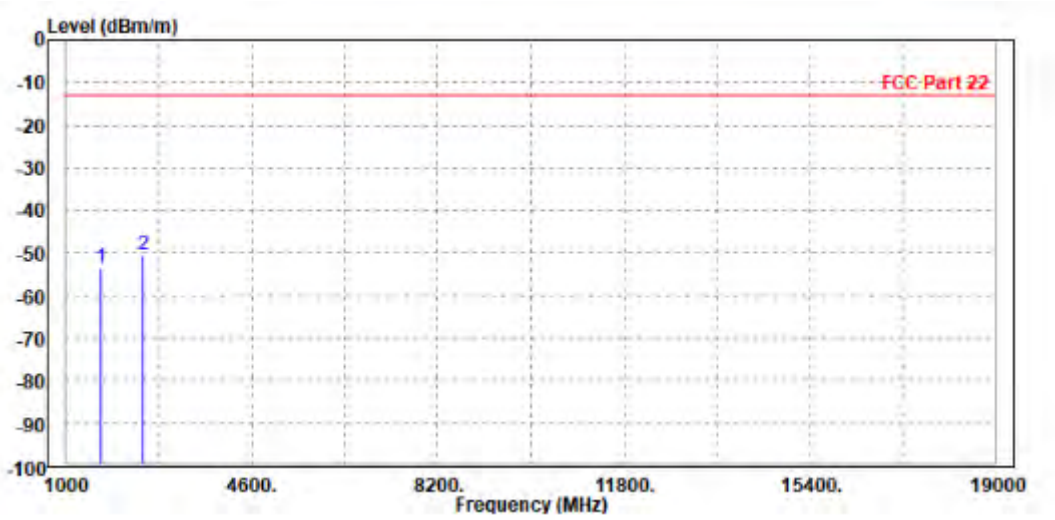
MODE	TX channel 166800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1668.000	-54.97	-58.47	-13.00	-41.97	3.50	Peak	Horizontal
2 PP	2494.000	-49.92	-57.96	-13.00	-36.92	8.04	Peak	Horizontal



MODE	TX channel 166800	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			

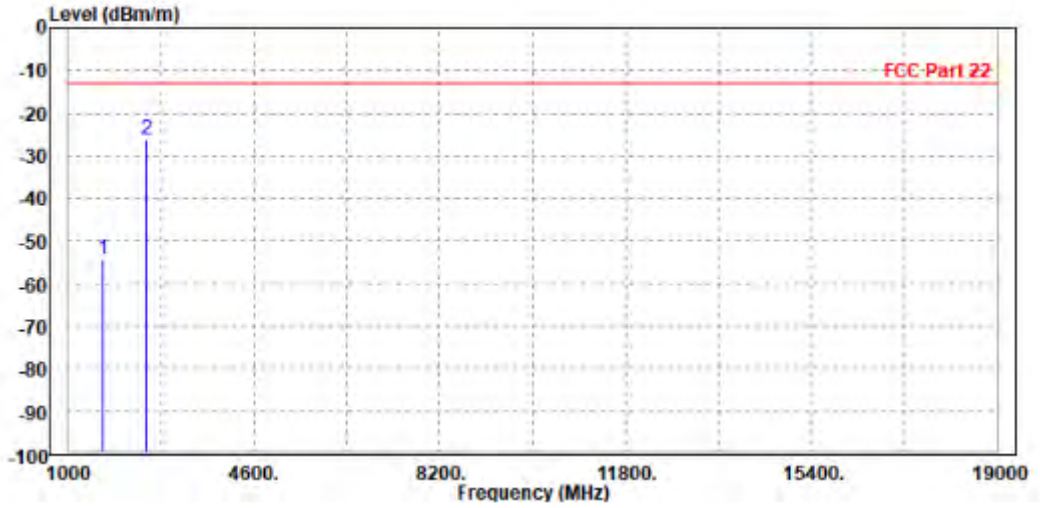
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1666.000	-53.50	-57.04	-13.00	-40.50	3.54	Peak	Vertical
2 PP	2502.000	-50.39	-57.46	-13.00	-37.39	7.07	Peak	Vertical



CH 167300:

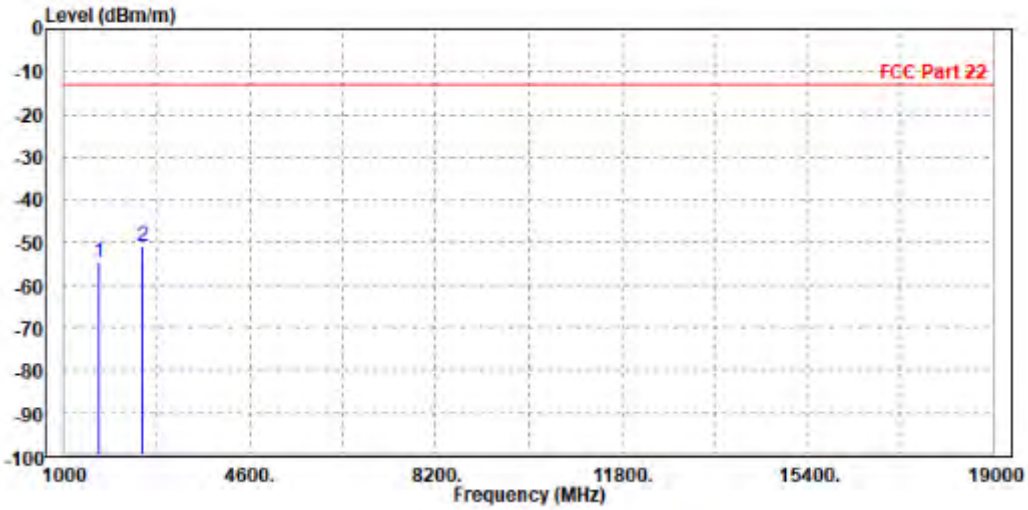
MODE	TX channel 167300	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1673.000	-54.45	-58.01	-13.00	-41.45	3.56	Peak	Horizontal
2 PP	2512.000	-26.11	-34.17	-13.00	-13.11	8.06	Peak	Horizontal



MODE	TX channel 167300	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			

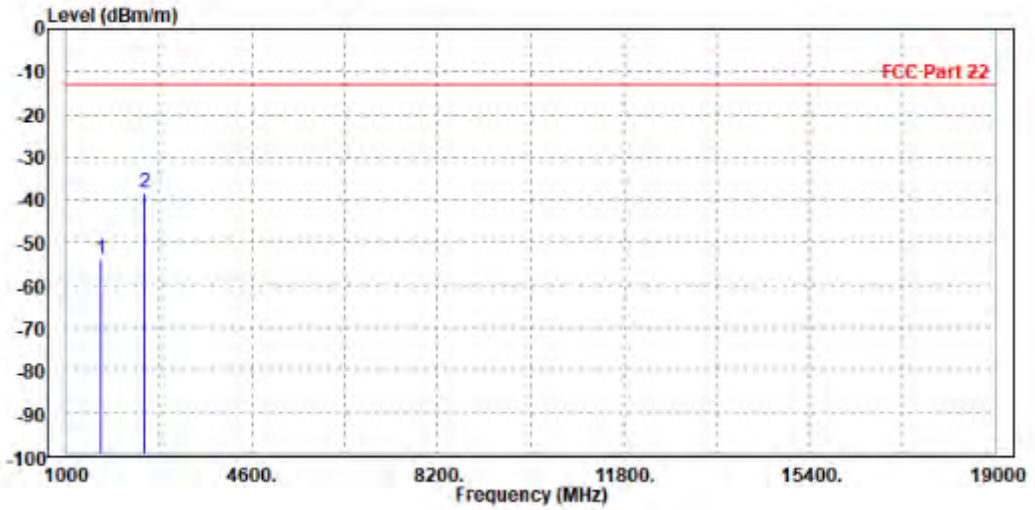
	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1666.000	-54.59	-58.13	-13.00	-41.59	3.54	Peak	Vertical
2 PP	2509.500	-50.88	-57.98	-13.00	-37.88	7.10	Peak	Vertical



CH 167800:

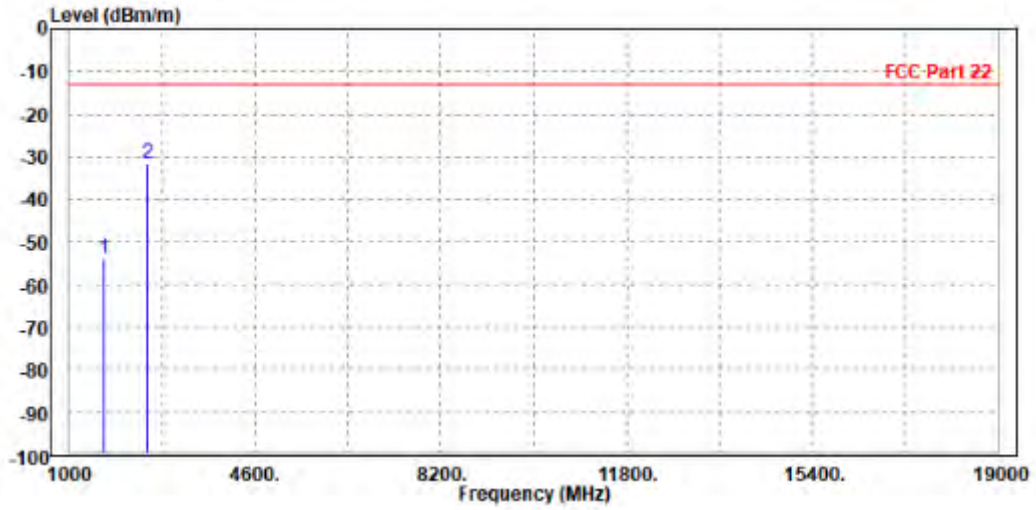
MODE	TX channel 167800	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1684.000	-53.81	-57.50	-13.00	-40.81	3.69	Peak	Horizontal
2 PP	2517.000	-38.37	-46.44	-13.00	-25.37	8.07	Peak	Horizontal



MODE	TX channel 167800	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			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	1678.000	-54.10	-57.75	-13.00	-41.10	3.65	Peak	Vertical
2 PP	2512.000	-31.45	-38.56	-13.00	-18.45	7.11	Peak	Vertical

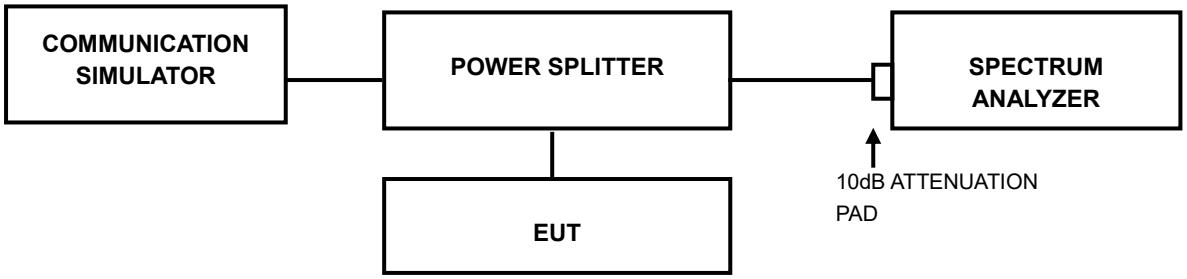


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

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

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

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

3.7.4 TEST RESULTS

Please Refer to Appendix E Of this test report.

4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).

5 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.

6 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.

NOTE: APPENDIX E is another word.

---END---