

VARIANT FCC RF TEST REPORT

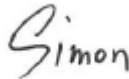
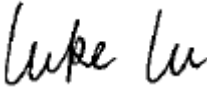
Applicant:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA

Manufacturer or Supplier:	Continental Automotive Systems, Inc.
Address:	21440 W Lake Cook Rd., Deer Park, IL 60010, USA
Product:	FE5NA0020
Brand Name:	Continental
Model Name:	FE5NA0020
FCC ID:	LHJ-FE5NA0020
Date of tests:	Oct. 16, 2021 ~ Mar. 07, 2022

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

- ☒ **FCC PART 24, Subpart E** ☒ **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
 Date: Mar. 07, 2022	 Date: Mar. 07, 2022

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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
W7L-P20210616-3RF05	Original release	Dec. 04, 2021
W7L-P22020005RF02	Based on W7L-P20210616-3RF05, EN-DC combination DC_71A_n2A are added by software. The RSE reconducted its tested and conducted's data did not change.	Mar. 07, 2022

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
§24.232(c)	Equivalent Isotropically Radiated Power	SEE NOTE
§2.1055 §24.235	Frequency Stability	SEE NOTE
§2.1049	Occupied Bandwidth	SEE NOTE
§24.232(d)	Peak to average ratio*	SEE NOTE
§2.1051 §24.238(a)	Band Edge Measurements	SEE NOTE
§2.1051 §24.238(a)	Conducted Spurious Emissions	SEE NOTE
§2.1053 §24.238(a)	Radiated Spurious Emissions	Compliance

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

NOTE: Please refer to the original organization report W7L-P20210616-3RF05.

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	$\pm 2.06\text{dB}$
Frequency Stability	$\pm 76.97\text{Hz}$
Radiated emissions (30MHz~1GMHz)	$\pm 4.98\text{dB}$
Radiated emissions (1GMHz ~6GMHz)	$\pm 4.70\text{dB}$
Radiated emissions (6GMHz ~18GMHz)	$\pm 4.60\text{dB}$
Radiated emissions (18GMHz ~40GMHz)	$\pm 4.12\text{dB}$
Conducted emissions	$\pm 4.01\text{dB}$
Occupied Channel Bandwidth	$\pm 43.58\text{KHz}$
Band Edge Measurements	$\pm 4.70\text{dB}$
Peak to average ratio	$\pm 0.76\text{dB}$

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

1.2 TEST SITE AND INSTRUMENTS

Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Next Cal.
MXE EMI Receiver	KEYSIGHT	N9038A-544	MY54450026	Apr. 22,21	Apr. 21,22
EXA Signal Analyzer	KEYSIGHT	N9010A-544	MY54510355	Jun. 03,21	Jun. 02,22
Loop Antenna	Schwarzbeck	FMZB 1519B	1519B-051	Feb. 14,20	Feb. 13,23
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 05,21	Mar. 04,22
Bilog Antenna	ETS-LINDGREN	3143B	00161965	Mar. 04,22	Mar. 03,23
Horn Antenna	ETS-LINDGREN	3117	00168692	Apr. 02,21	Apr. 01,22
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(China) Co., Ltd	MT8000A	6262093255	Feb. 25,21	Feb. 24,22
Radio Communication Analyzer	Anritsu(China) Co., Ltd	MT8000A	6262093255	Feb. 24,22	Feb. 23,23
Signal Pre-Amplifier	EMSI	EMC 9135	980249	Jun. 02,21	Jun. 01,22
Signal Pre-Amplifier	EMSI	EMC 012645B	980257	Jun. 03,21	Jun. 02,22
Signal Pre-Amplifier	EMSI	EMC 184045B	980259	Apr. 22,21	Apr. 21,22
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	ADT	ADT_Radiated_V 7.6.15.9.2	N/A	N/A	N/A
10dB Attenuator	JFW/USA	50HF-010-SMA	1505	Jun. 03,21	Jun. 02,22
Power Meter	Anritsu	ML2495A	1506002	Feb. 26,21	Feb. 25,22
Power Meter	Anritsu	ML2495A	1506002	Feb. 25,22	Feb. 24,23
Power Sensor	Anritsu	MA2411B	1339352	Feb. 26,21	Feb. 25,22
Power Sensor	Anritsu	MA2411B	1339352	Feb. 25,22	Feb. 24,23
Temperature Chamber	ESPEC	SH-242	93000855	Jun. 02,21	Jun. 01,22
Power Divider	MCLI/USA	PS2-15	24880	N/A	N/A

- 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	FE5NA0020	
BRAND NAME	Continental	
MODEL NAME	FE5NA0020	
NOMINAL VOLTAGE	EUT 4.0V	
MODULATION TYPE	NR Band n2	DFT-s-OFMA($\pi/2$ BPSK,QPSK,16QAM,64QAM,256QAM); CP-OFMA(QPSK,16QAM,64QAM,256QAM);
SUPPORT ENDC COMBINE	NR Band n2	71A_n2A
FREQUENCY RANGE	NR Band n2	1852.5MHz ~ 1907.5MHz
MAX. ERP/EIRP POWER	NR Band n2 Channel Bandwidth: 5MHz	424.62mW
	NR Band n2 Channel Bandwidth: 10MHz	418.79mW
	NR Band n2 Channel Bandwidth: 15MHz	419.76mW
	NR Band n2 Channel Bandwidth: 20MHz	425.60mW
EMISSION DESIGNATOR GGN	NR Band n2 Channel Bandwidth: 5MHz	2BPSK: 4M48G7D
		QPSK: 4M48G7D
		16QAM: 4M49W7D
		64QAM: 4M47W7D
		256QAM: 4M49W7D
	NR Band n2 Channel Bandwidth: 10MHz	2BPSK: 8M91G7D
		QPSK: 8M92G7D
		16QAM: 8M94W7D
		64QAM: 8M92W7D
		256QAM: 8M91W7D



EMISSION DESIGNATOR GOGN	NR Band n2 Channel Bandwidth: 15MHz	2BPSK: 13M4G7D
		QPSK: 13M4G7D
		16QAM: 13M4W7D
		64QAM: 13M4W7D
		256QAM: 13M4W7D
	NR Band n2 Channel Bandwidth: 20MHz	2BPSK: 17M9G7D
		QPSK: 17M9G7D
		16QAM: 17M9W7D
		64QAM: 17M8W7D
		256QAM: 17M8W7D
ANTENNA TYPE	Monopole Antenna with 2.45dBi gain for NR Band n2	
HW VERSION	P4.1	
SW VERSION	MODEMSA515M_03.18.00	
I/O PORTS	Refer to user's manual	
CABLE SUPPLIED	N/A	
EXTREME TEMPERATURE	-40-85 °C	
EXTREME VOLTAGE	EUT 3.8V - EUT 4.2V	

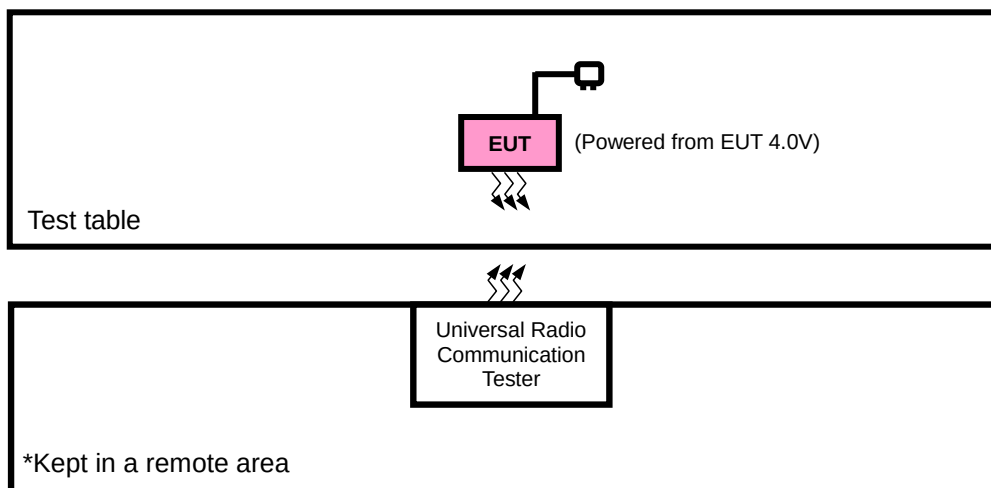
NOTE:

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.

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 in ERP and radiated emission was found when positioned on X-plane for GSM /EDGE /LTE. 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 Band n2 MODE (DC_71A_n2A)

EUT CONFIGURE MODE	TEST ITEM	AVAILABL E CP-OFDM CHANNEL	AVAILABLE DFT-S-OFD M 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	FREQUEN CY STABILITY	372000 to 513500	372000 to 513500	Low, Middle, High	20MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
A	OCCUPIED BANDWIDT H	370500 to 381500	370500 to 381500	Low, Middle, High	5MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		371000 to 381000	371000 to 381000	Low, Middle, High	10MHz	Pi/2BPSK, QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		371500 to 380500	371500 to 380500	Low, Middle, High	15MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
		372000 to 513500	372000 to 513500	Low, Middle, High	20MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_ Full
A	BAND EDGE	370500 to 381500	370500 to 381500	Low	5MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
							1RB/ 24RB Offset
							Outer_ Full
				High	5MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
							1RB/ 24RB Offset
							Outer_ Full
		371000 to 381000	371000 to 381000	Low	10MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
							1RB/ 51RB Offset
							Outer_ Full
				High	10MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
							1RB/ 51RB Offset
							Outer_ Full
		371500 to 380500	371500 to 380500	Low	15MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
							1RB/ 78RB Offset
							Outer_ Full
				High	15MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	1RB/ 0RB Offset
							1RB/ 78RB Offset
							Outer_ Full



		372000 to 513500	372000 to 513500	Low	20MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_Full 1RB/ 0RB Offset 1RB/ 105RB Offset
				High	20MHz	Pi/2BPSK,QPSK, 16QAM, 64QAM, 256QAM	Outer_Full 1RB/ 0RB Offset 1RB/ 105RB Offset
							Outer_Full 1RB/ 0RB Offset 1RB/ 105RB Offset
							Outer_Full 1RB/ 0RB Offset 1RB/ 105RB Offset
							Outer_Full 1RB/ 0RB Offset 1RB/ 105RB Offset
							Outer_Full 1RB/ 0RB Offset 1RB/ 105RB Offset
A	CONDUCTED EMISSION	370500 to 381500	370500 to 381500	Low, Middle, High	5MHz	Pi/2BPSK,QPSK	1RB/ 0RB Offset
		371000 to 381000	371000 to 381000	Low, Middle, High	10MHz	Pi/2BPSK,QPSK	1RB/ 0RB Offset
		371500 to 380500	371500 to 380500	Low, Middle, High	15MHz	Pi/2BPSK,QPSK	1RB/ 0RB Offset
		372000 to 513500	372000 to 513500	Low, Middle, High	20MHz	Pi/2BPSK,QPSK	1RB/ 0RB Offset
A	RADIATED EMISSION	370500 to 381500	370500 to 381500	Low, Middle, High	5MHz	Pi/2BPSK,QPSK	1RB/ 0RB Offset
		371000 to 381000	371000 to 381000	Low, Middle, High	10MHz	Pi/2BPSK,QPSK	1RB/ 0RB Offset
		371500 to 380500	371500 to 380500	Low, Middle, High	15MHz	Pi/2BPSK,QPSK	1RB/ 0RB Offset
		372000 to 513500	372000 to 513500	Low, Middle, High	20MHz	Pi/2BPSK,QPSK	1RB/ 0RB Offset

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

2. The test data presented in the report from worst ENDC 5A_n2A combination.

TEST CONDITION:

TEST ITEM	ENVIRONMENTAL CONDITIONS	INPUT POWER	TESTED BY
ERP	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
CONDCUDED 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

FCC 47 CFR Part 27

KDB 971168 D01 Power Meas License Digital Systems v03r01

ANSI/TIA/EIA-603-D

ANSI/TIA/EIA-603-E

ANSI C63.26-2015

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

3 TEST TYPES AND RESULTS

3.1 OUTPUT POWER MEASUREMENT

3.1.1 LIMITS OF OUTPUT POWER MEASUREMENT

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 determining the ERP or EIRP from the conducted RF output power measured using the guidance provided above is:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_T - L_C$$

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.

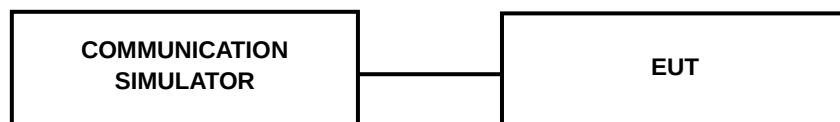
CONDUCTED POWER MEASUREMENT:

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 Measurement:

CONDUCTED POWER MEASUREMENT:



3.1.4 TEST RESULTS

CONDUCTED OUTPUT POWER (dBm)



**BUREAU
VERITAS**

Test Report No.: W7L-P22020005RF02

71A_n2A

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	20.42	20.58	20.06	21
			1	24	20.58	20.61	20.12	21
			2	0	20.16	20.53	20.08	21
			2	23	20.51	20.54	20.26	21
			25	0	20.42	20.64	20.13	21
		Inner	1	1	22.61	22.56	22.73	24
			1	23	22.66	22.67	22.55	24
			13	6	22.58	22.71	22.99	24
	CP-OFDM 16QAM	Outer	1	0	20.35	20.49	20.06	21
			1	24	20.48	20.60	20.16	21
			2	0	20.43	20.53	20.08	21
			2	23	20.61	20.52	20.20	21
			25	0	20.43	20.56	20.16	21
		Inner	1	1	22.27	22.23	22.36	23
			1	23	22.47	22.43	22.16	23
			13	6	22.22	22.44	22.15	23
	CP-OFDM 64QAM	Outer	1	0	19.86	20.01	19.51	21
			1	24	20.02	19.97	19.72	21
			2	0	19.85	20.05	19.73	21
			2	23	20.06	20.05	19.76	21
			25	0	19.82	19.85	19.58	21
		Inner	1	1	20.84	20.94	20.07	21
			1	23	20.82	20.65	20.22	21
			13	6	20.87	20.97	20.12	21
	CP-OFDM 256QAM	Outer	1	0	16.85	17.11	16.01	18
			1	24	17.15	17.04	16.36	18
			2	0	16.76	17.06	16.06	18
			2	23	16.99	16.96	16.24	18
			25	0	16.95	17.21	16.13	18
		Inner	1	1	17.36	16.81	16.46	18
			1	23	17.35	16.93	16.11	18
			13	6	16.78	17.14	16.21	18



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	CP-OFDM QPSK	Outer	1	0	20.05	20.32	20.25	21
			1	51	20.24	20.27	20.21	21
			2	0	20.04	20.13	20.21	21
			2	50	20.33	20.21	20.05	21
			52	0	20.26	20.34	20.22	21
		Inner	1	1	22.57	22.75	21.49	24
			1	50	22.93	22.77	22.68	24
			26	13	22.83	22.94	22.74	24
	CP-OFDM 16QAM	Outer	1	0	20.20	20.38	20.52	21
			1	51	20.51	20.34	20.61	21
			2	0	20.16	20.28	20.52	21
			2	50	20.31	20.37	20.04	21
			52	0	20.22	20.33	20.23	21
		Inner	1	1	22.17	22.02	21.69	23
			1	50	22.34	22.28	22.12	23
			26	13	22.49	22.43	21.99	23
	CP-OFDM 64QAM	Outer	1	0	19.84	19.98	19.82	21
			1	51	20.12	19.85	19.69	21
			2	0	19.97	20.02	19.83	21
			2	50	19.94	19.86	19.77	21
			52	0	20.08	20.04	19.57	21
		Inner	1	1	20.72	20.95	19.82	21
			1	50	20.83	20.75	20.11	21
			26	13	20.91	20.97	20.03	21
	CP-OFDM 256QAM	Outer	1	0	17.73	17.82	17.15	18
			1	51	17.87	17.92	17.12	18
			2	0	17.78	17.77	16.86	18
			2	50	17.82	17.67	17.17	18
			52	0	17.81	17.72	16.99	18
		Inner	1	1	17.09	17.04	17.11	18
			1	50	17.47	16.68	17.23	18
			26	13	17.35	16.94	17.00	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	20.32	20.48	20.20	21
			1	78	20.42	20.15	20.09	21
			2	0	20.25	20.44	20.29	21
			2	77	20.46	20.23	20.06	21
			79	0	20.16	20.32	20.22	21
		Inner	1	1	22.56	22.81	22.78	24
			1	77	22.87	22.55	22.61	24
			39	19	22.67	22.82	22.53	24
	CP-OFDM 16QAM	Outer	1	0	20.12	20.37	20.11	21
			1	78	20.53	20.18	20.19	21
			2	0	20.20	20.38	20.03	21
			2	77	20.53	20.33	20.12	21
			79	0	20.37	20.38	20.08	21
		Inner	1	1	22.01	22.38	21.96	23
			1	77	22.49	22.10	22.19	23
			39	19	22.27	22.36	21.95	23
	CP-OFDM 64QAM	Outer	1	0	19.67	19.86	19.60	21
			1	78	20.08	19.82	19.75	21
			2	0	19.76	20.00	19.54	21
			2	77	20.04	19.77	19.60	21
			79	0	19.75	19.87	19.54	21
		Inner	1	1	20.43	20.71	19.81	21
			1	77	20.98	20.64	20.07	21
			39	19	20.81	20.85	19.93	21
	CP-OFDM 256QAM	Outer	1	0	17.92	17.21	17.15	18
			1	78	17.82	17.84	17.41	18
			2	0	17.61	17.88	16.99	18
			2	77	17.57	17.73	16.98	18
			79	0	17.72	17.75	16.91	18
		Inner	1	1	17.42	17.21	16.28	18
			1	77	17.83	17.48	16.41	18
			39	19	17.19	17.29	16.32	18



BW	MCS Index	RB	RB Size	RB Offset	Low CH 372000	Mid CH 376000	High CH 380000	Max. Tune-up (dBm)
					Frequency 1860MHz	Frequency 1880MHz	Frequency 1900MHz	
20M	CP-OFDM QPSK	Outer	1	0	20.18	20.70	20.46	21
			1	105	20.52	20.11	20.04	21
			2	0	20.06	20.05	20.64	21
			2	104	20.23	20.81	20.54	21
			106	0	20.35	20.48	20.64	21
		Inner	1	1	23.00	22.60	22.98	24
			1	104	22.59	22.58	22.51	24
			53	26	22.62	22.51	22.52	24
	CP-OFDM 16QAM	Outer	1	0	20.16	20.12	20.57	21
			1	105	20.49	20.83	20.50	21
			2	0	20.19	20.22	20.60	21
			2	104	20.28	20.67	20.58	21
			106	0	20.35	20.51	20.54	21
		Inner	1	1	21.82	22.03	22.44	23
			1	104	21.91	22.55	22.30	23
			53	26	21.77	22.43	22.54	23
	CP-OFDM 64QAM	Outer	1	0	19.77	19.73	20.24	21
			1	105	19.82	20.31	20.04	21
			2	0	19.70	19.74	20.08	21
			2	104	19.73	20.22	20.04	21
			106	0	19.61	19.97	20.08	21
		Inner	1	1	19.84	20.60	20.51	21
			1	104	20.61	20.99	20.43	21
			53	26	20.28	20.97	20.57	21
	CP-OFDM 256QAM	Outer	1	0	17.02	17.68	17.48	18
			1	105	17.66	17.88	17.62	18
			2	0	16.92	17.62	17.62	18
			2	104	17.68	17.85	17.71	18
			106	0	17.35	17.96	17.55	18
		Inner	1	1	17.42	17.53	17.42	18
			1	104	17.86	17.87	17.51	18
			53	26	17.78	17.83	16.96	18



BUREAU
VERITAS

Test Report No.: W7L-P22020005RF02

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	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.27	23.52	23.33	24
			1	24	23.38	23.47	23.06	24
			2	0	23.25	23.41	23.19	24
			2	23	23.45	23.37	23.10	24
			25	0	23.11	23.37	23.29	24
		Inner	1	1	23.27	23.63	23.02	24
			1	23	23.34	23.41	23.02	24
			12	6	23.24	23.51	23.42	24
	DFT-s-OFDM QPSK	Outer	1	0	23.23	23.32	23.27	24
			1	24	23.38	23.42	23.11	24
			2	0	23.19	23.41	23.32	24
			2	23	23.42	23.37	23.07	24
			25	0	23.57	23.28	23.22	24
		Inner	1	1	23.21	23.33	23.19	24
			1	23	23.38	23.57	23.09	24
			12	6	23.21	23.38	23.19	24
	DFT-s-OFDM 16QAM	Outer	1	0	22.15	22.34	21.92	23
			1	24	22.27	22.35	22.05	23
			2	0	22.19	22.30	22.07	23
			2	23	22.15	22.37	22.00	23
			25	0	22.33	22.21	22.28	23
		Inner	1	1	22.17	22.36	22.05	23
			1	23	22.20	22.40	22.07	23
			12	6	22.19	22.31	22.26	23
	DFT-s-OFDM 64QAM	Outer	1	0	21.88	21.95	21.98	22
			1	24	21.31	21.65	21.28	22
			2	0	21.81	21.68	21.34	22
			2	23	21.43	21.76	21.44	22
			25	0	21.75	21.97	21.42	22
		Inner	1	1	21.85	21.87	21.50	22
			1	23	21.63	21.65	21.44	22
			12	6	21.62	21.69	21.74	22
	DFT-s-OFDM 256QAM	Outer	1	0	21.14	21.46	21.04	22
			1	24	21.33	21.37	21.16	22
			2	0	21.18	21.41	20.97	22
			2	23	21.38	21.42	21.09	22
			25	0	21.24	21.31	21.11	22
		Inner	1	1	21.11	21.52	20.95	22
			1	23	21.25	21.47	21.22	22
			12	6	21.32	21.44	21.09	22



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	23.01	23.08	23.08	24
			1	51	23.15	23.12	23.38	24
			2	0	23.11	23.11	23.15	24
			2	50	23.26	23.07	23.42	24
			50	0	23.23	23.32	23.32	24
		Inner	1	1	23.21	23.08	23.19	24
			1	50	23.25	23.21	23.01	24
			25	12	23.32	23.17	23.23	24
	DFT-s-OFDM QPSK	Outer	1	0	23.09	23.24	23.32	24
			1	51	23.36	23.18	23.08	24
			2	0	23.37	23.24	23.32	24
			2	50	23.40	23.27	23.07	24
			50	0	23.32	23.16	23.21	24
		Inner	1	1	23.01	23.28	23.41	24
			1	50	23.31	23.38	23.10	24
			25	12	23.32	23.21	23.09	24
	DFT-s-OFDM 16QAM	Outer	1	0	22.15	22.38	21.70	23
			1	51	22.52	22.34	22.16	23
			2	0	22.25	22.31	21.86	23
			2	50	22.50	22.38	22.07	23
			50	0	22.62	22.38	21.76	23
		Inner	1	1	22.19	22.48	21.86	23
			1	50	22.48	22.35	22.09	23
			25	12	22.35	22.27	22.16	23
	DFT-s-OFDM 64QAM	Outer	1	0	21.91	21.92	21.81	22
			1	51	21.79	21.59	21.16	22
			2	0	21.81	21.54	20.96	22
			2	50	21.87	21.68	21.38	22
			50	0	21.73	21.81	21.59	22
		Inner	1	1	21.84	21.81	21.25	22
			1	50	21.83	21.61	21.35	22
			25	12	21.84	21.57	21.61	22
	DFT-s-OFDM 256QAM	Outer	1	0	21.25	21.42	20.91	22
			1	51	21.66	21.39	21.11	22
			2	0	21.19	21.41	20.81	22
			2	50	21.56	21.32	21.01	22
			50	0	21.34	21.21	21.18	22
		Inner	1	1	21.29	21.42	20.88	22
			1	50	21.51	21.24	21.22	22
			25	12	21.32	21.29	21.29	22



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	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.22	23.37	23.12	24
			1	78	23.43	23.06	23.25	24
			2	0	23.32	23.29	23.13	24
			2	77	23.43	23.14	23.02	24
			75	0	23.26	23.09	23.21	24
		Inner	1	1	23.11	23.40	23.21	24
			1	77	23.53	23.12	23.11	24
			36	18	23.24	23.08	23.05	24
	DFT-s-OFDM QPSK	Outer	1	0	23.33	23.26	23.09	24
			1	78	23.38	23.09	23.05	24
			2	0	23.24	23.41	23.33	24
			2	77	23.39	23.08	23.12	24
			75	0	23.10	23.50	23.53	24
		Inner	1	1	23.21	23.42	23.05	24
			1	77	23.56	23.12	23.13	24
			36	18	23.30	23.23	23.19	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.88	22.38	21.77	23
			1	78	22.42	22.17	22.19	23
			2	0	21.91	22.38	21.85	23
			2	77	22.38	22.09	22.07	23
			75	0	22.30	22.21	22.33	23
		Inner	1	1	21.91	22.43	21.87	23
			1	77	22.48	22.25	22.08	23
			36	18	22.13	22.26	22.01	23
	DFT-s-OFDM 64QAM	Outer	1	0	21.73	21.86	21.88	22
			1	78	21.63	21.37	21.23	22
			2	0	21.87	21.43	21.00	22
			2	77	21.76	21.50	21.33	22
			75	0	21.71	21.52	21.73	22
		Inner	1	1	21.86	21.83	21.35	22
			1	77	21.56	21.49	21.39	22
			36	18	21.77	21.40	21.61	22
	DFT-s-OFDM 256QAM	Outer	1	0	21.08	21.27	20.90	22
			1	78	21.41	21.29	21.13	22
			2	0	21.07	21.29	20.83	22
			2	77	21.47	21.05	21.04	22
			75	0	21.35	21.12	21.16	22
		Inner	1	1	21.07	21.30	20.92	22
			1	77	21.36	21.24	21.14	22
			36	18	21.12	21.31	21.09	22



BUREAU
VERITAS

Test Report No.: W7L-P22020005RF02

BW	MCS Index	RB	RB Size	RB Offset	Low CH 372000	Mid CH 376000	High CH 380000	Max. Tune-up (dBm)
					Frequency 1860MHz	Frequency 1880MHz	Frequency 1900MHz	
20M	DFT-s-OFDM Pi/2 BPSK	Outer	1	0	23.04	23.30	23.01	24
			1	105	23.46	23.12	23.16	24
			2	0	23.32	23.33	23.09	24
			2	104	23.52	23.08	23.09	24
			100	0	23.32	23.42	23.28	24
		Inner	1	1	23.03	23.46	23.33	24
			1	104	23.42	23.02	23.23	24
			50	25	23.34	23.27	23.21	24
	DFT-s-OFDM QPSK	Outer	1	0	23.23	23.19	23.38	24
			1	105	23.28	23.61	23.56	24
			2	0	23.24	23.08	23.50	24
			2	104	23.20	23.55	23.46	24
			100	0	23.40	23.43	23.35	24
		Inner	1	1	23.29	23.08	23.49	24
			1	104	23.12	23.54	23.50	24
			50	25	23.31	23.20	23.29	24
	DFT-s-OFDM 16QAM	Outer	1	0	21.33	22.20	22.56	23
			1	105	22.13	22.60	22.54	23
			2	0	21.45	22.03	22.49	23
			2	104	22.09	22.57	22.43	23
			100	0	22.32	22.26	22.33	23
		Inner	1	1	21.49	21.95	22.58	23
			1	104	22.02	22.65	22.50	23
			50	25	22.16	22.17	22.36	23
	DFT-s-OFDM 64QAM	Outer	1	0	21.55	21.55	21.73	22
			1	105	21.41	21.92	21.68	22
			2	0	21.44	21.25	21.67	22
			2	104	21.38	21.90	21.72	22
			100	0	21.44	21.92	21.73	22
		Inner	1	1	21.52	21.45	21.88	22
			1	104	21.60	21.85	21.82	22
			50	25	21.63	21.74	21.72	22
	DFT-s-OFDM 256QAM	Outer	1	0	21.01	21.40	20.96	22
			1	105	21.47	21.02	21.05	22
			2	0	20.91	21.36	20.96	22
			2	104	21.39	21.05	21.07	22
			100	0	21.20	21.09	21.14	22
		Inner	1	1	20.90	20.37	21.02	22
			1	104	21.45	21.11	21.06	22
			50	25	21.22	21.01	21.24	22



3.2 FREQUENCY STABILITY MEASUREMENT

3.2.1 LIMITS OF FREQUENCY STABILITY MEASUREMENT

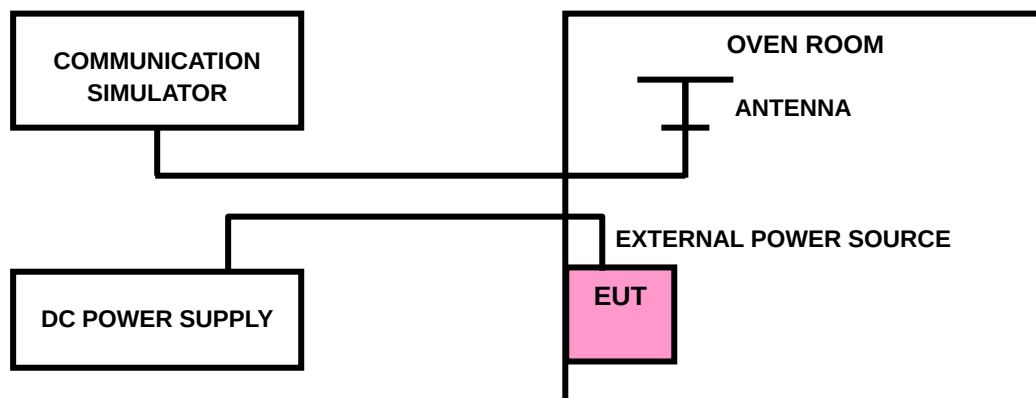
1.5 ppm is for base and fixed station. 2.5 ppm is for mobile station.

3.2.2 TEST PROCEDURE

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

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

3.2.3 TEST SETUP





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3.2.4 TEST RESULTS

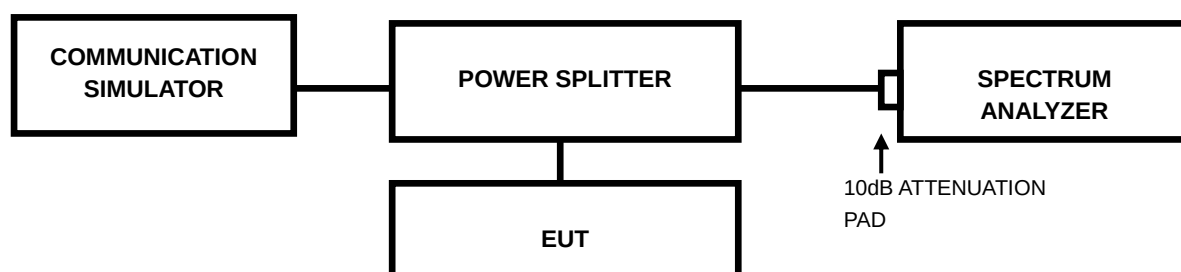
Please refer to the original organization report W7L-P20210616-3RF05.

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





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3.3.3 TEST RESULTS

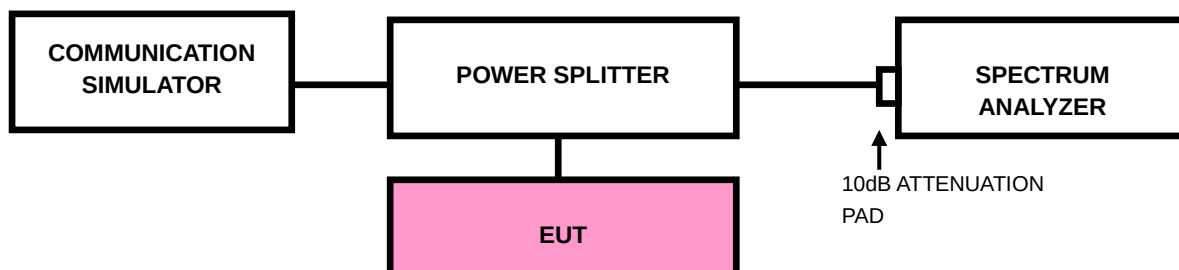
Please refer to the original organization report W7L-P20210616-3RF05.

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





Test Report No.: W7L-P22020005RF02

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 $\geq 1\% \cdot \text{EBW}$ kHz and VBW of the spectrum is $3 \cdot \text{RBW}$ 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 the original organization report W7L-P20210616-3RF05.

3.5 CONDUCTED SPURIOUS EMISSIONS

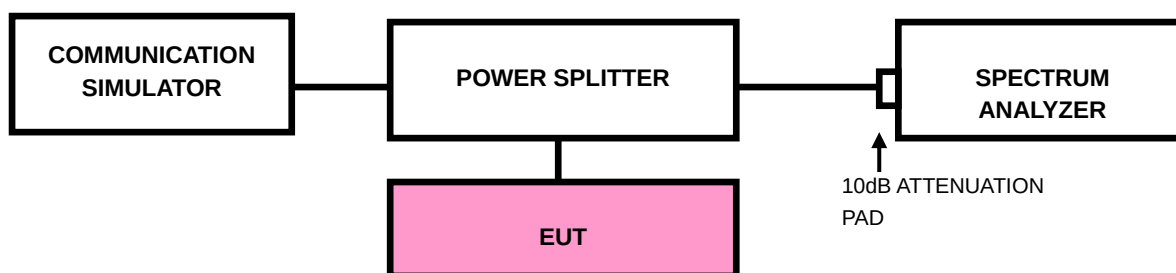
3.5.1 LIMITS OF CONDUCTED SPURIOUS EMISSIONS MEASUREMENT

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

- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9kHz up to a frequency including its 10th harmonic. 10dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

3.5.3 TEST SETUP





Test Report No.: W7L-P22020005RF02

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 the original organization report W7L-P20210616-3RF05.

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

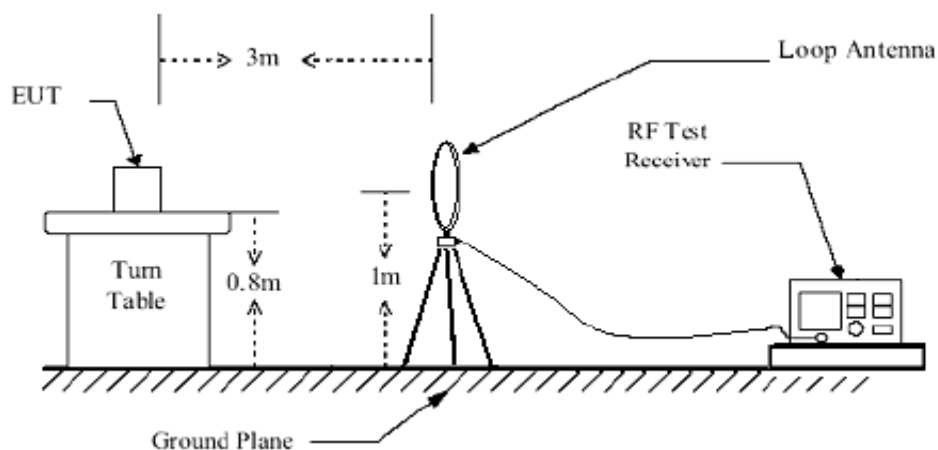
NOTE: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

3.6.3 DEVIATION FROM TEST STANDARD

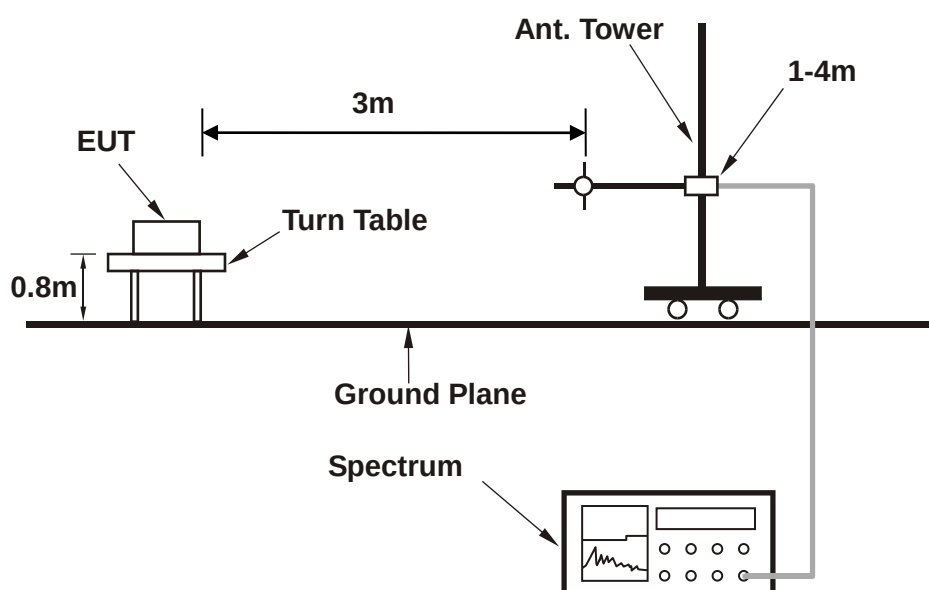
No deviation

3.6.4 TEST SETUP

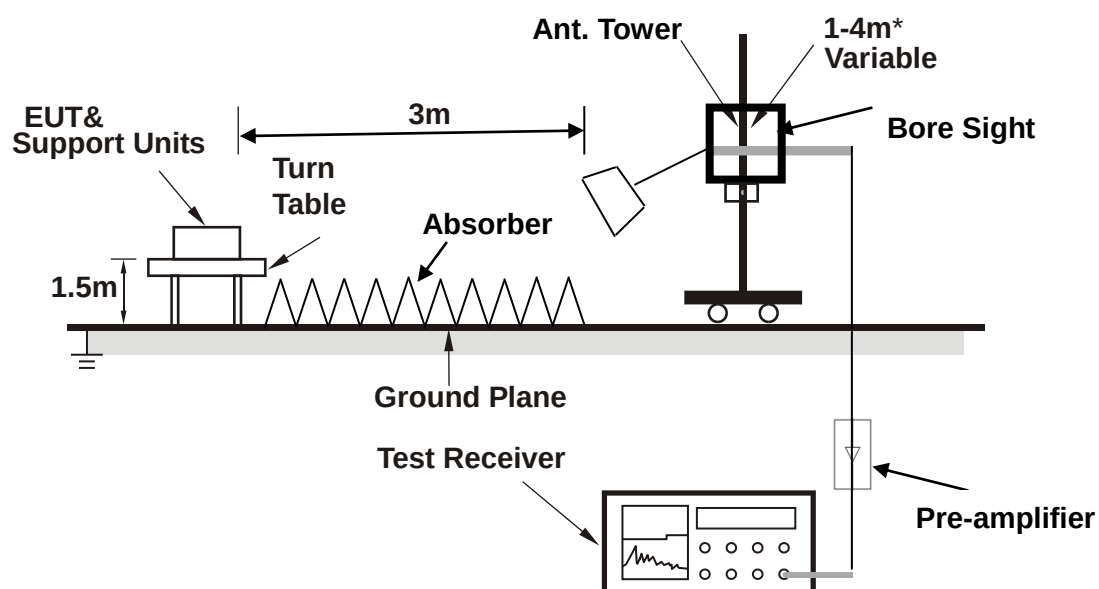
< Frequency Range below 30MHz >



< 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

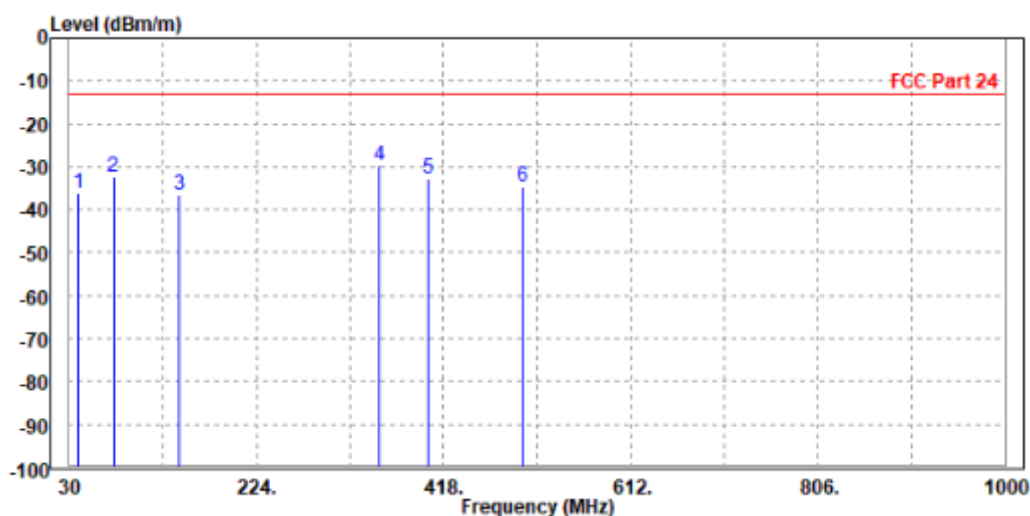
30 MHz – 1GHz data:

DC_B71A_n2A

CHANNEL BANDWIDTH: 20MHz / QPSK

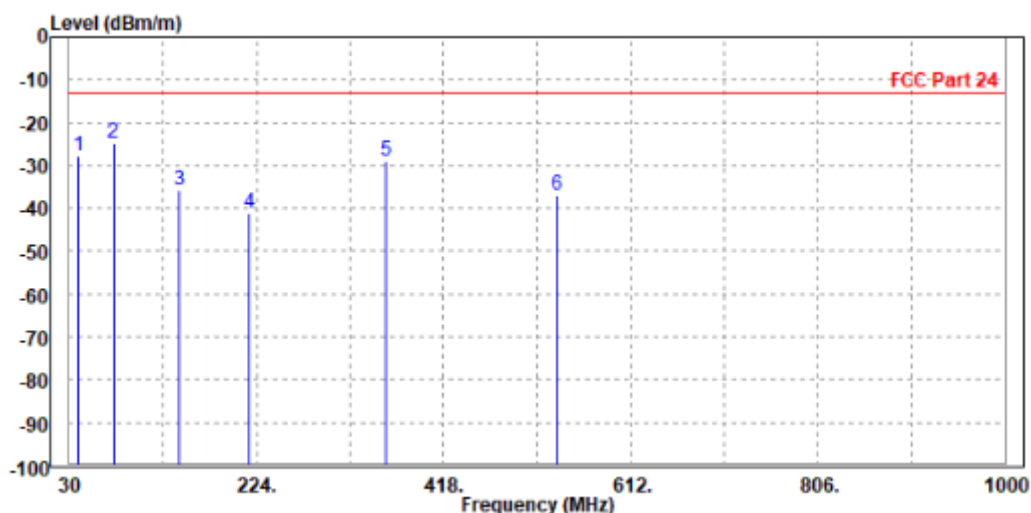
MODE	TX channel 380000	FREQUENCY RANGE	Below 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	39.700	-36.21	-49.84	-13.00	-23.21	13.63	Peak	Horizontal
2	75.590	-32.43	-40.24	-13.00	-19.43	7.81	Peak	Horizontal
3	143.490	-36.57	-45.26	-13.00	-23.57	8.69	Peak	Horizontal
4 PP	352.040	-29.48	-44.99	-13.00	-16.48	15.51	Peak	Horizontal
5	402.480	-32.87	-49.81	-13.00	-19.87	16.94	Peak	Horizontal
6	500.450	-34.50	-53.21	-13.00	-21.50	18.71	Peak	Horizontal



MODE	TX channel 380000	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	39.700	-27.82	-40.37	-13.00	-14.82	12.55	Peak	Vertical
2 PP	75.590	-24.84	-32.96	-13.00	-11.84	8.12	Peak	Vertical
3	143.490	-35.81	-44.70	-13.00	-22.81	8.89	Peak	Vertical
4	216.240	-41.20	-53.45	-13.00	-28.20	12.25	Peak	Vertical
5	358.830	-29.06	-45.35	-13.00	-16.06	16.29	Peak	Vertical
6	535.370	-36.97	-56.71	-13.00	-23.97	19.74	Peak	Vertical





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VERITAS**

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ABOVE 1GHz DATA

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

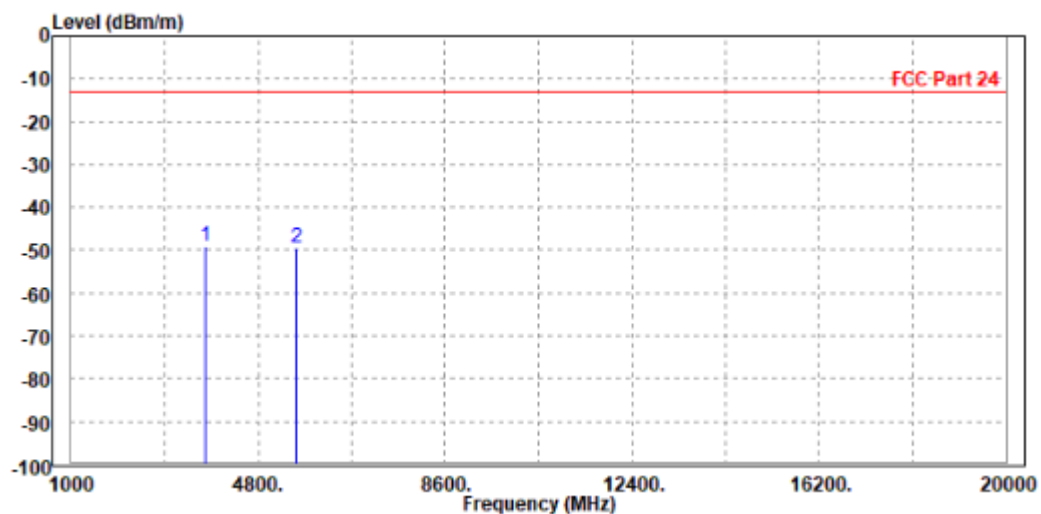
WORST-CASE DATA

DC_B71A_n2A:

CH 372000

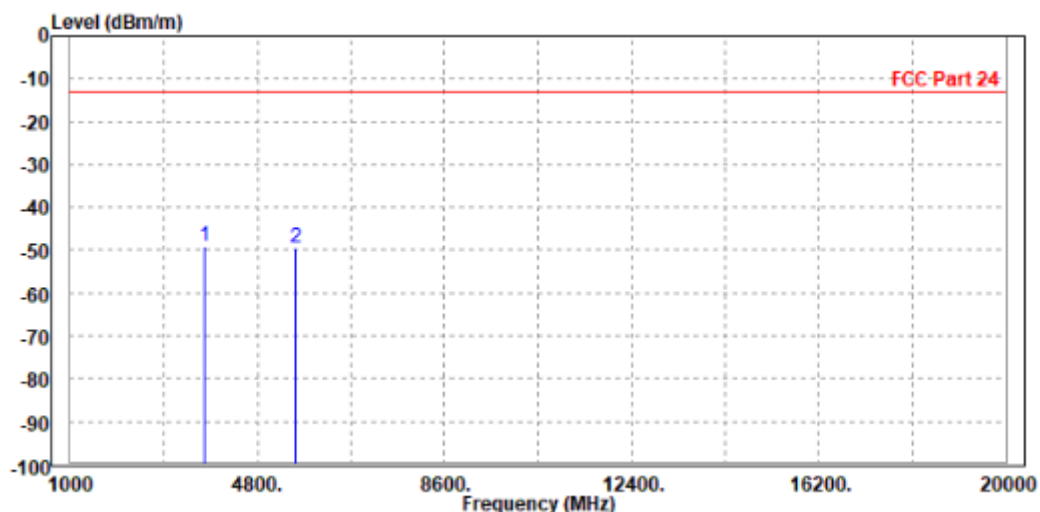
MODE	TX channel 372000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

		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	-48.90	-57.71	-13.00	-35.90	8.81	Peak	Horizontal
2		5580.000	-49.35	-59.64	-13.00	-36.35	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			

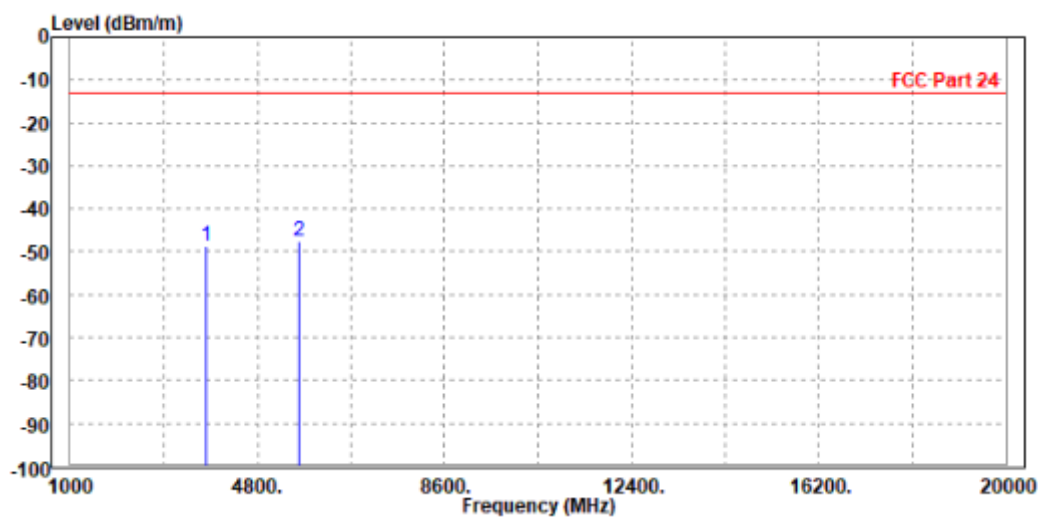
		Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
		MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	PP	3720.000	-48.88	-58.14	-13.00	-35.88	9.26	Peak	Vertical
2		5579.000	-49.50	-59.51	-13.00	-36.50	10.01	Peak	Vertical



CH 376000

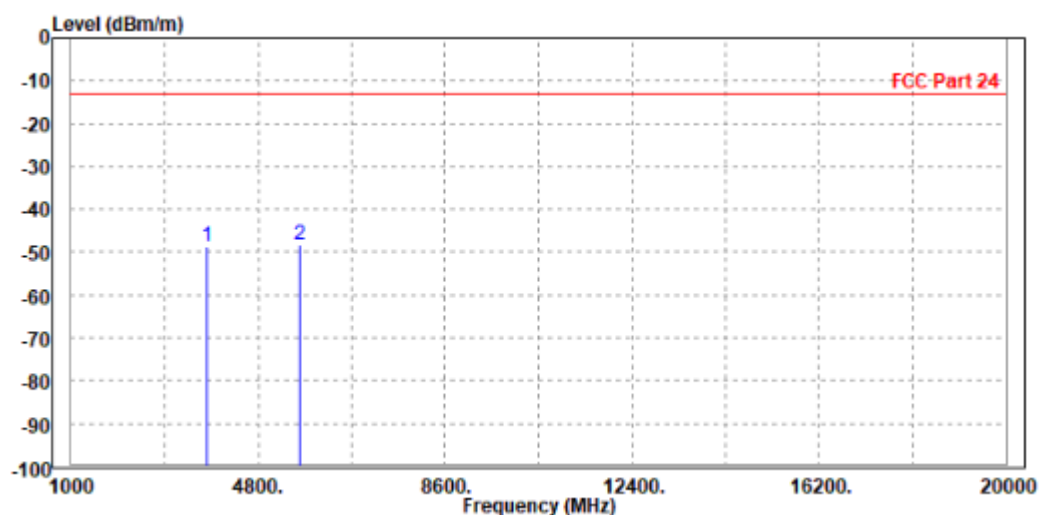
MODE	TX channel 376000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3760.000	-48.81	-57.66	-13.00	-35.81	8.85	Peak	Horizontal
2 PP	5636.000	-47.40	-57.87	-13.00	-34.40	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	3755.000	-48.59	-57.86	-13.00	-35.59	9.27	Peak	Vertical
2 PP	5640.000	-48.23	-58.48	-13.00	-35.23	10.25	Peak	Vertical





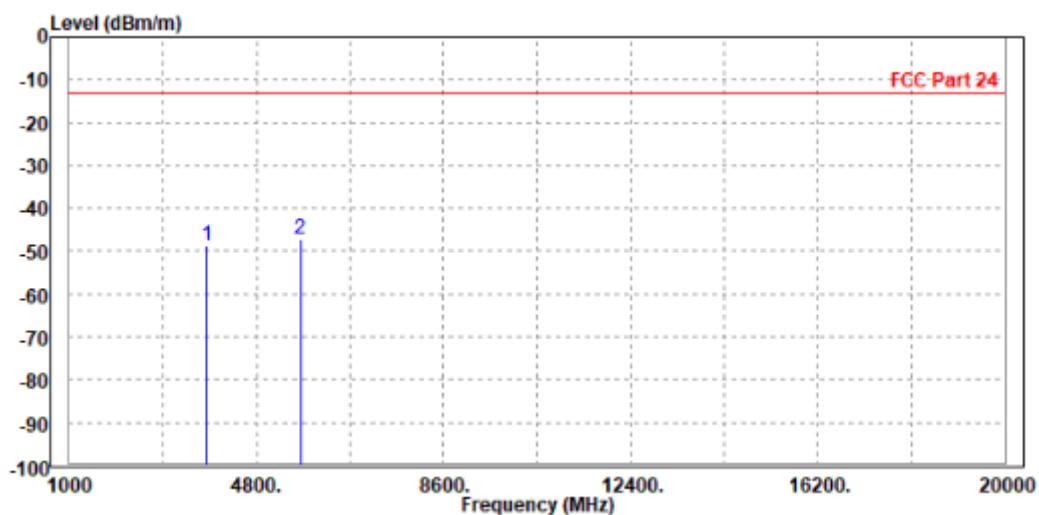
BUREAU
VERITAS

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CH 380000

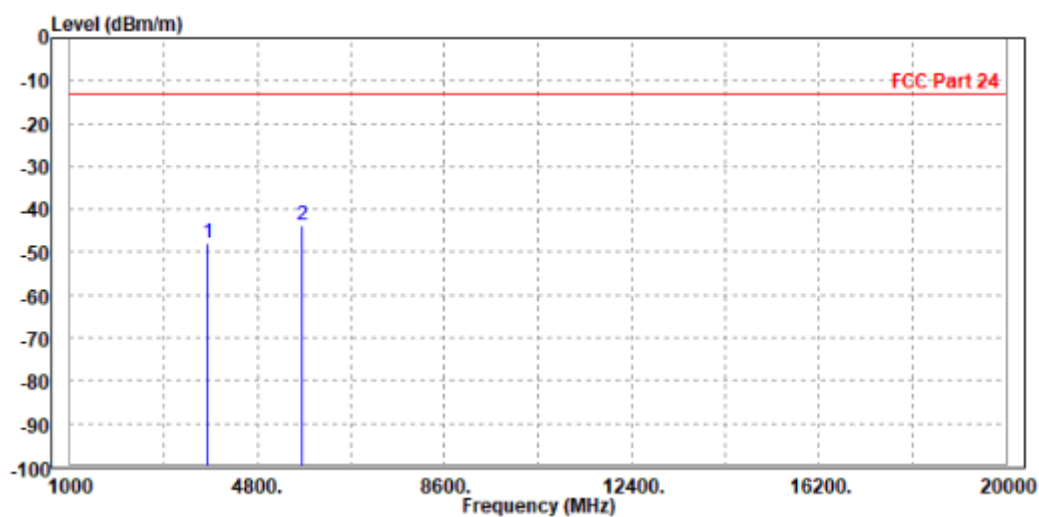
CH 655555			
MODE	TX channel 380000	FREQUENCY RANGE	Above 1000MHz
ENVIRONMENTAL CONDITIONS	23deg. C, 70%RH	INPUT POWER	EUT 4.0V
TESTED BY	Jace Hu		
ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M			

	Freq	Level	Read Level	Limit Line	Over Limit	Factor	Remark	Pol/Phase
	MHz	dBm/m	dBm	dBm/m	dB	dB/m		
1	3800.000	-48.71	-57.60	-13.00	-35.71	8.89	Peak	Horizontal
2 PP	5693.000	-47.07	-57.73	-13.00	-34.07	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	-48.10	-57.38	-13.00	-35.10	9.28	Peak	Vertical
2 PP	5700.000	-43.78	-54.26	-13.00	-30.78	10.48	Peak	Vertical

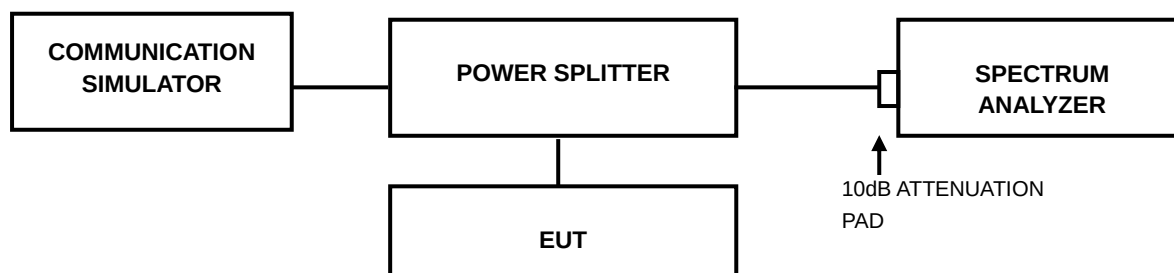


3.7 PEAK TO AVERAGE RATIO

3.7.1 LIMITS OF PEAK TO AVERAGE RATIO MEASUREMENT

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

3.7.2 TEST SETUP



3.7.3 TEST PROCEDURES

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



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3.7.4 TEST RESULTS

Please refer to the original organization report W7L-P20210616-3RF05.



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4 PHOTOGRAPHS OF THE TEST CONFIGURATION

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



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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.

---END---