

RF Test Report

Applicant : Askey Computer Corp

Product Name : 5G Small Cell

Trade Name : ASKEY

Model Number : SCU2080 N48

Applicable Standard : FCC 47 CFR PART 96
ANSI C63.26 2015

Received Date : May 07, 2025

Test Period : Jun. 02, 2025 ~ Jun. 20, 2025

Issued Date : Jul. 16, 2025

Issued by

Eurofins E&E Wireless Taiwan Co., Ltd.
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Taoyuan City, Taiwan (R.O.C.)
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Taiwan Accreditation Foundation accreditation number: 1330
Frequency Range: 9 kHz to 40 GHz
Bade test site :
Test Firm Registration Number: 226252
Test Firm Designation Number: TW0010
Wugu test site :
Test Firm Registration Number: 191812
Test Firm Designation Number: TW0034

Note:

1. The test results are valid only for samples provided by customers and under the test conditions described in this report.
2. This report shall not be reproduced except in full, without the written approval of Eurofins E&E Wireless Taiwan Co., Ltd.
3. The relevant information is provided by customers in this test report. According to the correctness, appropriateness or completeness of the information provided by the customer, if there is any doubt or error in the information which affects the validity of the test results, the laboratory does not take the responsibility.

Revision History

Rev.	Issued Date	Description	Revised by
00	Jul. 16, 2025	Initial Issue	Snow Wang

Verification of Compliance

Applicant : Askey Computer Corp

Product Name : 5G Small Cell

Trade Name : ASKEY

Model Number : SCU2080 N48

FCC ID : H8NSCU2080

Applicable Standard : FCC 47 CFR PART 96
ANSI C63.26 2015

Test Result : Complied

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Eurofins E&E Wireless Taiwan Co., Ltd. tested the above equipment in accordance with the requirements set forth in the above standards. All indications of Pass/Fail in this report are opinions expressed by Eurofins E&E Wireless Taiwan Co., Ltd. based on interpretations and/or observations of test results. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Approved By : _____

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1 General Information

1.1. Summary of Test Result

FCC Rule	Description	Result
§2.1046	Conducted Output Power	Reference
§96.41(b)	Equivalent Isotropic Radiated Power	Pass
§96.41(b)	Maximum Power Spectral Density	Pass
§2.1055	Frequency Stability	Pass
§2.1049	Emission Bandwidth & Occupied Bandwidth	Reference
§96.41(g)	Peak to average power ratio	Pass
§2.1051 §96.41(e)	Band Edge	Pass
§2.1051 §96.41(e)	Conducted Spurious Emissions	Pass
§2.1053 §96.41(e)	Radiated Spurious Emissions	Pass

Decision Rule

- ☒ Uncertainty is not included.
- ☐ Uncertainty is included.

1.2. Testing Location

Lab Name: Eurofins E&E Wireless Taiwan Co., Ltd.

Site Address: ☐ No. 140-1, Changan Street, Bade District, Taoyuan City, Taiwan (R.O.C.)

Site Address: ☒ No. 2, Wuquan 5th Rd. Wugu Dist., New Taipei City, Taiwan (R.O.C.)

1.3. Measurement Uncertainty

Parameter	Uncertainty			
	BD	WG		
Conducted Output Average Power	1.1 dB	1.1 dB		
Effective Radiated Power / Equivalent Isotropic Radiated Power	1.1 dB	1.1 dB		
Frequency Stability	1.3 x 10 ⁻⁷ x fc (Hz)	1.3 x 10 ⁻⁷ x fc (Hz)		
Emission Bandwidth & Occupied Bandwidth	4.5 %	4.5 %		
Peak to Average Ratio	1.1 dB	1.1 dB		
Band Edge	1.1 dB	1.1 dB		
Conducted Spurious Emission	1.1 dB	1.1 dB		
Parameter	Uncertainty			
	96601-BD	96603-BD	96602-WG	96603-WG
Radiated Emission	6.3 dB	6.3 dB	6.3 dB	6.3 dB

1.4. Test Site Environment

Items	Required (IEC 68-1)	Interval(*)
Temperature (°C)	15-35	20-30
Humidity (%RH)	25-75	45-75

(*)The measurement ambient temperature is within this range.

2 EUT Description

The product specifications of the EUT presented in the report are declared by the manufacturer who shall take full responsibility for the authenticity.

Applicant	Askey Computer Corp 10F, No. 119, JIANKANG RD., ZHONGHE DIST., NEW TAIPEI CITY 23585, Taiwan
Product Name	5G Small Cell
Trade Name	ASKEY
Model Number	SCU2080 N48
Models different description	The product has two different kind of power supply design, one is internal power supply design, the other is external power supply design; other product's hardware and radio design are the same.
FCC ID	H8NSCU2080
Operate Temp. Range	-40 ~ 55 °C
EUT Power Rating	90 ~ 264 Vac

EUT Description :

The EUT has two types of power supply design, the RF technical and electrical aspects are identical.
After the evaluation, all tests are performed on the SKU1, SKU2 only retest radiated emission, conducted item results refer SKU1 based on above differences.

DUT	Brand name	Model name
SKU1 (internal power supply)	Askey	1411-00W9S00
SKU2 (external power supply)	MEAN WELL	HEP-480-54A

Testing Sample No.	
Test Item	Sample Number
Radiation	C255076_A001 / A005
Conducted	C255076_A002

5G NR	
Operation Band (NR):	☒ n48 ☐ n77 ☐ n78
Support type:	☒ Standalone ☐ EN-DC
	☐ CA-UL ☐ CA-DL ☒ MIMO-UL
Modulation type:	QPSK, 64QAM, 256QAM
Note: Detail Power information shall refer to power table.	

NR n48	QPSK			64QAM / 256QAM		
BW(MHz)	Occupied Bandwidth (MHz)	Emission Desigotor	Maximum EIRP (W) (dBm/10MHz)	Occupied Bandwidth (MHz)	Emission Desigotor	Maximum EIRP (W) (dBm/10MHz)
20	18.19	18M2G7D	37.325	18.192	18M2W7D	35.4813
30	27.828	27M8G7D	33.9625	27.819	27M8W7D	31.2608
40	37.808	37M8G7D	31.7687	37.827	37M8W7D	30.2691

NR n48	QPSK	64QAM / 256QAM
BW(MHz)	Maximum EIRP (W) (channel bandwidth)	Maximum EIRP (W) (channel bandwidth)
20	66.9885	65.7658
30	96.8278	99.5405
40	123.3105	118.0321

2.1. Product Specification of Equipment Under Test

Antenna information				
ANT	Model	Type	Max. Gain (dBi)	
Omni Antenna 1 / 2	1415-01RGT00	Omni Antenna	n48	5.05
Directional Antenna 1 / 2	1415-01RHJ00	Dipole Antenna	n48	11.56

Note: The above information is provided by the manufacturer.

Channel Bandwidth: (TDD)

5G FR1 Bands																
FCC Part 96																
Bands	Support Mode	Support / Non supportive	SCS (kHz)	Channel bandwidth (MHz)												
				5	10	15	20	25	30	40	50	60	70	80	90	100
n48	SA	N/A	15	X	X	X	X	X	X	X	X	X	X	X	X	X
		Support	30	X	X	X	V	X	V	V	X	X	X	X	X	X
		N/A	60	X	X	X	X	X	X	X	X	X	X	X	X	X

Note: The above information is provided by the manufacturer.

2.2. Mode of Operation

Three channels had been tested for each channel bandwidth.

5G NR n48 (FCC Part 96)				
Channel Bandwidth	20 MHz		30 MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	637334	3560.01	637668	3565.02
Middle CH	641666	3624.99	641666	3624.99
High CH	646000	3690.00	645666	3684.99
Channel Bandwidth	40 MHz		---	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)
Low CH	638000	3570.00	---	---
Middle CH	641666	3624.99	---	---
High CH	645332	3679.98	---	---

Note: Regards to the frequency band operation: the lowest, middle and highest frequency of channel were selected to perform the test, then shown on this report.

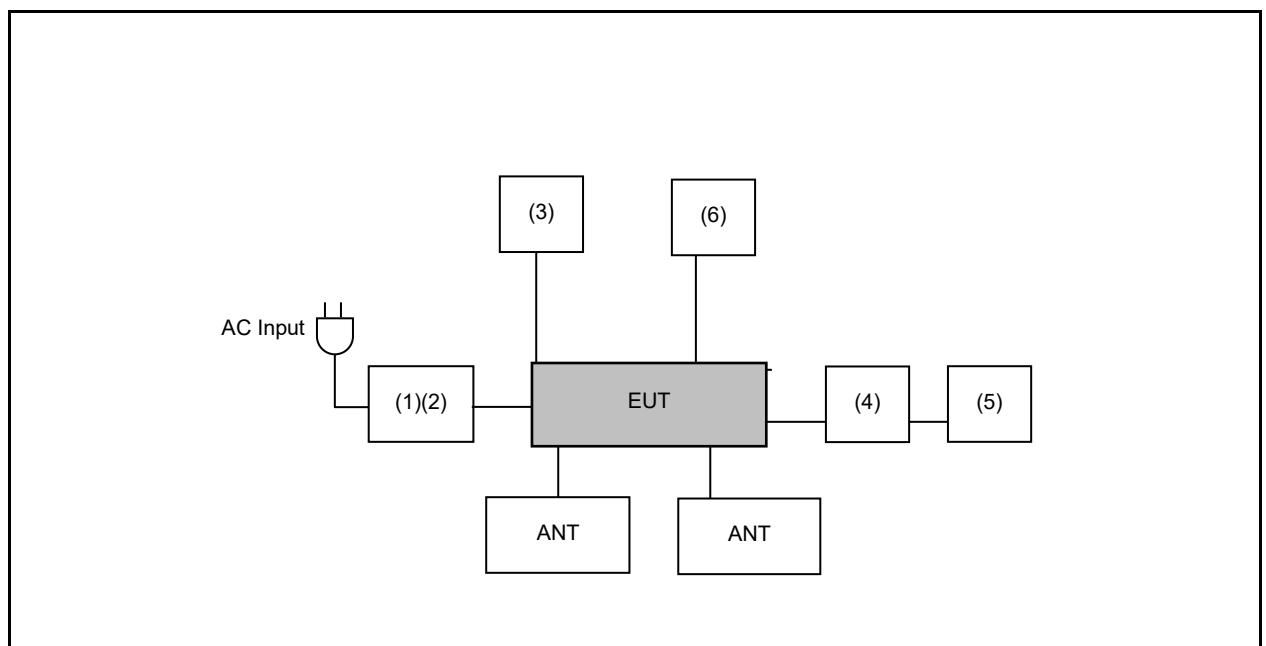
During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission.

Test Item	NR Band	Bandwidth (MHz)			Modulation			RB Config.	Channel		
		20	30	40	QPSK	64 QAM	256 QAM	100 %	L	M	H
Max. output Power	n48	v	v	v	v	v	v	v	v	v	v
E.R.P / E.I.R.P	n48	v	v	v	v	v	v	v	v	v	v
Peak-to-Average-Ratio	n48	v			v	v	v	v		v	
26dB and 99% Bandwidth	n48	v	v	v	v	v	v	v		v	
Conducted Band Edge	n48	v	v	v	v	v	v	v	v	v	v
Conducted Spurious Emission	n48	v	v	v	v			v	v	v	v
Frequency Stability	n48	v			v			v	v		v
Radiated Spurious Emission	n48	v		v	v			v	v	v	v

2.3. EUT Test Step

1	Setup the EUT shown on "Configuration of Test System Details".
2	Turn on the power of all equipment.
3	EUT run test program test.

2.4. Configuration of Test System Details



	Product	Manufacturer	Model Number	Serial Number	Power Cord
(1)	Power Cable (for internal power supply)	ASKEY	1411-00W9S00	---	3000mm
(2)	External PSU (for external power supply)	MEAN WELL	HEP-480-54A	---	Input: 100-240V, 5.5-2.2A, 50/60Hz Output: 54V, 8.9A
(3)	GPS ANT	---	---	231301938	---
(4)	Fixture	Transend	---	---	---
(5)	GPS Disciplined Oscillator	---	BG7TBL	---	---
(6)	Notebook	Lenovo	L14	---	---

2.5. Test Instruments

For Conducted

Test Period: Jun. 2, 2025 ~ Jun. 20, 2025

Testing Engineer: Ethan Hsu

Test Site		RF01-WG				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	Spectrum Analyzer (2 Hz~50 GHz)	KEYSIGHT	N9030B	MY57143537	Mar. 10, 2025	1 year
☒	Spectrum Analyzer (10 Hz~44 GHz)	R&S	FSV3044	101416	Oct. 29, 2024	1 year
☒	Humidity/Temp. Meter	Giant Force	GTH-408-40-CP-SD	MAA2202-001	Jan. 02, 2025	1 year

Note: N.C.R. = No Calibration Request.

For Radiated Emissions

Test Period: Jun. 19 ~ Jun. 20, 2025

Testing Engineer: Jason Yeh

Radiation test sites		Semi Anechoic Room 96603-WG				
Use	Equipment	Manufacturer	Model Number	Serial Number	Cal. Date	Cal. Period
☒	LOOP Antenna (9 kHz~30 MHz)	Schwarzbeck Mess-Elektronik	FMZB 1513-60	00031	Mar. 06, 2025	1 year
☒	Trilog Broadband Antenna (30 MHz~1 GHz)	Schwarzbeck Mess-Elektronik	VULB9168	1276	Jan. 20, 2025	1 year
☒	Broadband Horn Antenna (1 GHz~18 GHz)	RF SPIN	DRH18-E	210307A18ES	Dec. 10, 2024	1 year
☒	Broadband Horn Antenna (15 GHz~40 GHz)	Schwarzbeck Mess-Elektronik	BBHA9170	1133	Nov. 01, 2024	1 year
☒	Spectrum Analyzer (2 Hz~50 GHz)	KEYSIGHT	N9030B	MY57143537	Mar. 10, 2025	1 year
☒	Pre-Amplifier	EMCI	EMC001330	980859	Nov. 27, 2024	1 year
☒	Pre-Amplifier	EMCI	EMC118A45SE	980818	Dec. 12, 2024	1 year
☒	Pre-Amplifier	EMCI	EMC184045SE	980861	Dec. 18, 2024	1 year
☒	Coaxial Cable (9 kHz~1000 MHz)	EMCI	EMCCFD400-NM-NM-2000	211009	Oct. 24, 2024	1 year
☒	Coaxial Cable (9 kHz~1000 MHz)	EMCI	EMCCFD400-NM-NM-2000	211010	Oct. 24, 2024	1 year
☒	Coaxial Cable (9 kHz~1000 MHz)	EMCI	EMCCFD400-NM-NM-6000	211018	Oct. 24, 2024	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-1000	211029	Oct. 24, 2024	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-2000	211033	Oct. 24, 2024	1 year
☒	Coaxial Cable (1 GHz~18 GHz)	EMCI	EMC104-SM-SM-8000	211038	Oct. 24, 2024	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-600	211211	Jan. 15, 2025	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-2000	211210	Jan. 15, 2025	1 year
☒	Coaxial Cable (18 GHz~40 GHz)	EMCI	EMC101G-KM-KM-6000	211209	Jan. 15, 2025	1 year
☒	Highpass Filter	Warison	WFIL-H6000-26500F	WR4BBFWC4B1	Oct. 24, 2024	1 year
☒	Software	R_RAM	V1.3	N/A	N.C.R.	---

Note: N.C.R. = No Calibration Request

3 Measurement Procedure

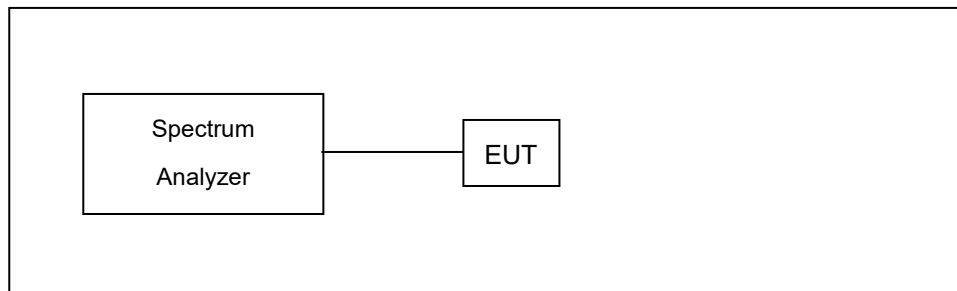
3.1. Conducted Output Power and Power Density Test

■ Limit

N/A

■ Test Setup

(For dBm/Channel BW , dBm/10 MHz , dBm/1 MHz)



■ Test Procedure

For Output power (dBm/Channel BW, dBm/10 MHz)

- a. The EUT was set up for the maximum power by test software.
- b. Set the EUT to transmit under low, middle and high channel and record the power level.
- c. Set instrument center frequency to OBW center frequency.
- d. Set span to at least 2 to 3 times the OBW.
- e. Set the RBW = 1% to 5% of the OBW.
- f. Set VBW $\geq 3 \times$ RBW.
- g. Detector = RMS (power averaging).
- h. Employ trace averaging (RMS) mode over a minimum of 100 traces.
- i. Ensure that the number of measurement points in the sweep $\geq 2 \times$ span/RBW.
- j. Sweep time = auto-couple.
- k. Compute power by integrating the spectrum across the OBW of the signal using the instrument's band or channel power measurement function with band/channel limits set equal to the OBW band edges.
- l. If Duty cycle < 98%, Add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission.
- m. For per 10MHz method, channel power integrating bandwidth 10MHz is used for bandwidth 10M, 20M, 30M and 40M. For full power method, channel power integrating bandwidth 10MHz is used for bandwidth 10M, integrating bandwidth 20MHz is used for bandwidth 20M, integrating bandwidth 30MHz is used for bandwidth 30M, integrating bandwidth 40MHz is used for bandwidth 40M

For PSD (dBm/1MHz)

- a. The EUT was set up for the maximum power by test software.
- b. Set the EUT to transmit under low, middle and high channel and record the power level.
- c. Set instrument center frequency to OBW center frequency.
- d. Set span to at least 2 to 3 times the OBW.
- e. Set the RBW to the specified reference bandwidth (often 1 MHz).
- f. Set VBW $\geq 3 \times$ RBW.
- g. Detector = RMS (power averaging).
- h. Employ trace averaging (RMS) mode over a minimum of 100 traces.
- i. Ensure that the number of measurement points in the sweep $\geq 2 \times$ span/RBW.
- j. Sweep time = auto-couple.
- k. Use the peak marker function to determine the maximum amplitude level within the reference bandwidth (PSD).

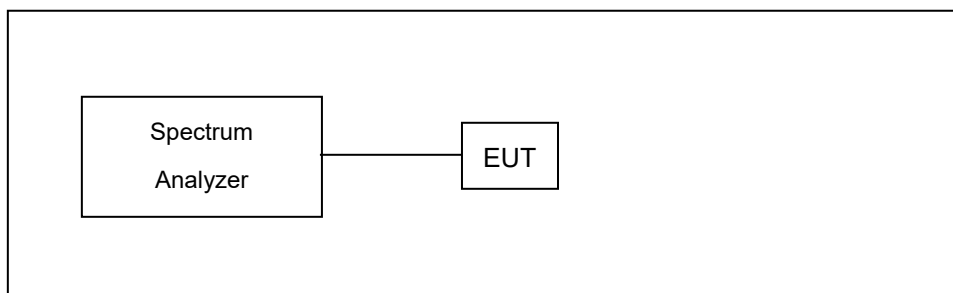
3.2. Equivalent Isotropic Radiated Power and Maximum Power Spectral Density Test

■ Limit

FCC Part 96:

	Device	Maximum EIRP (dBm/10 MHz)	Maximum PSD (EIRP) (dBm/MHz)
☐	End User Device	23	N/A
☐	Category A CBSD	30	20
☒	Category B CBSD	47	37

■ Test Setup



■ Test Procedure

- The EUT was set up for the maximum power with WWAN data modulation. The power was measured with a spectrum analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range).
- The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation as follows:

$$\text{EIRP} = P_T + G_T - L_C, \text{ E.R.P.} = \text{E.I.R.P.} - 2.15 \text{ dB, where}$$

P_T = transmitter output power, expressed in dBm

G_T = gain of the transmitting antenna, in dBi

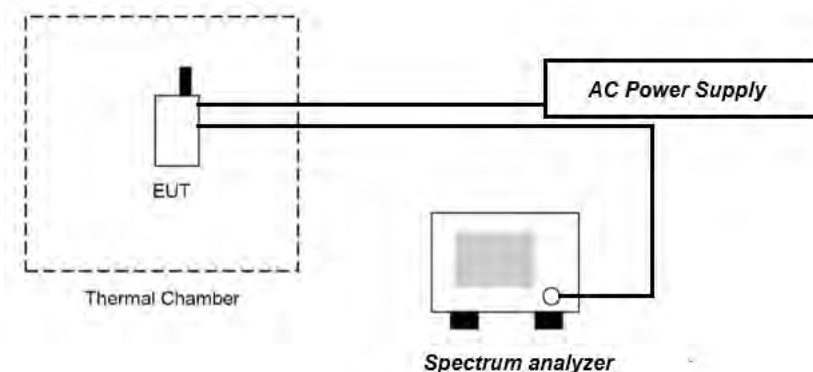
L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB

3.3. Frequency Stability Test

■ Limit

According to the FCC or IC rule shall be tested the frequency stability. The rule is defined that" The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation. The test extreme voltage is according to the 2.1055(d)(1) or Section 6.11 of RSS-Gen Vary primary supply voltage from 85 to 115 percent of the nominal value for other than hand carried battery equipment and the extreme temperature rule is comply with the 2.1055(a)(1) or Section 6.11 of RSS-Gen -30 °C ~ 50 °C.

■ Setup



■ Test Procedure

1. The EUT and test equipment were set up as shown on the following section.
2. With all power removed, the temperature was decreased to -30 °C and permitted to stabilize for three hours. Power was applied and the maximum change in frequency was note within one minute.
3. With power OFF, the temperature was raised in 10 °C steps. The sample was permitted to stabilize at each step for at least one-half hour. Power was applied and the maximum frequency change was noted within one minute.
4. The EUT was placed in a temperature chamber at 25 ± 5 °C and connected as the following section.
5. The power supply voltage to the EUT was varied from BEP to 115 % of the nominal value measured at the input to the EUT.
6. The temperature tests were performed for the worst case.
7. Test data was recorded.

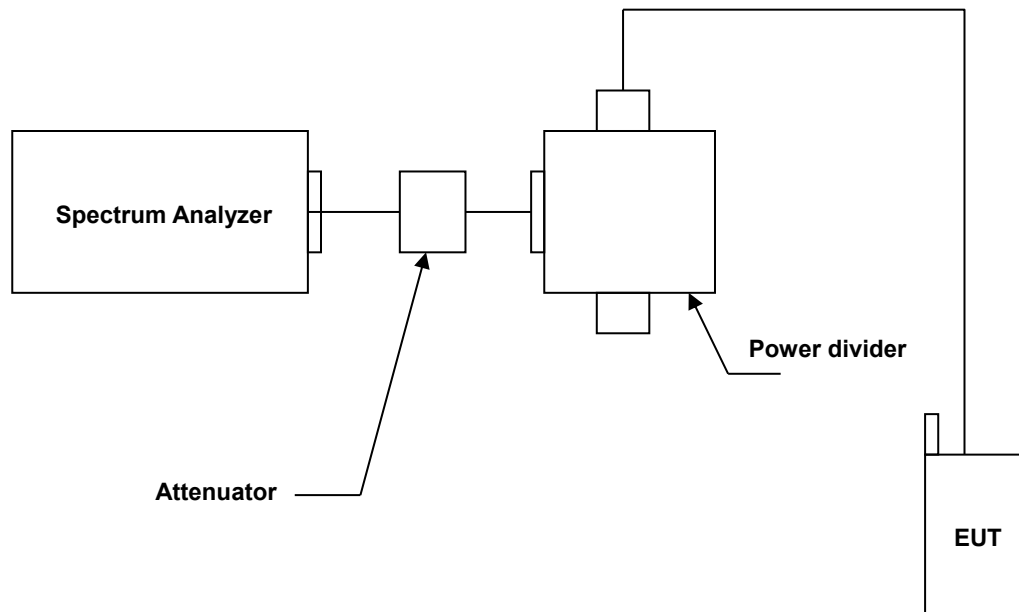
3.4. Emission Bandwidth & Occupied Bandwidth Test

■ Limit

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

The emission bandwidth is defined as the width of the signal between two points, located at the 2 sides of the carrier frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

■ Setup



■ Test Procedure

- The EUT was connected to spectrum analyzer via a power divider.
- The conducted occupied bandwidth used the power splitter via EUT RF power connected to spectrum analyzer.
- The EUT was configured by test software to set data modulation and maximum output power under transmission mode and specific channel frequency. Use OBW measurement function of Spectrum analyzer to measure 99 % or 26 dB occupied bandwidth.

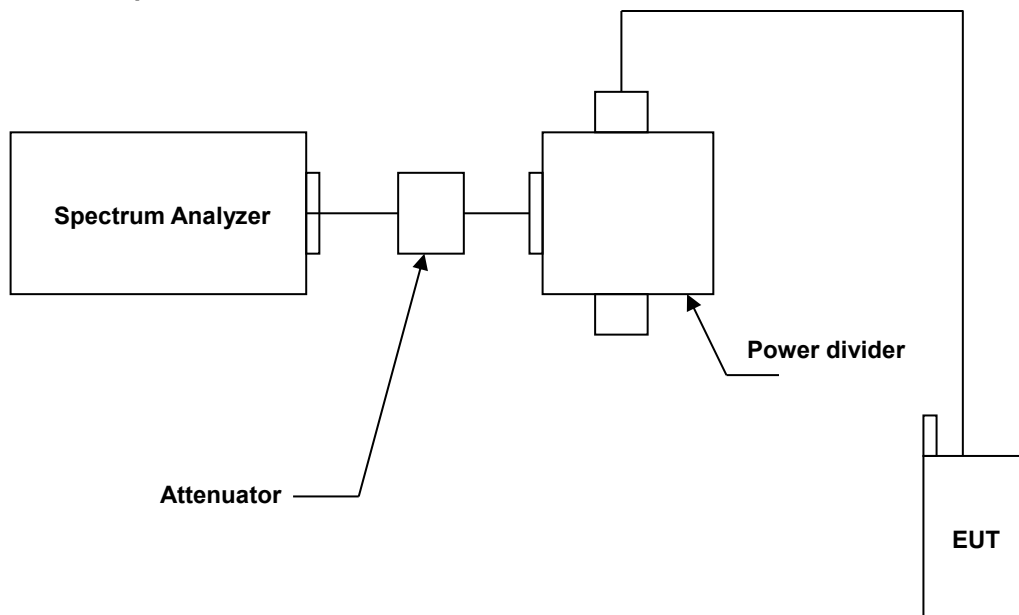
3.5. Peak to Average Power Ratio Test

■ Limit

FCC Part 96:

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

■ Setup



■ Test Procedure

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

3.6. Band Edge Test

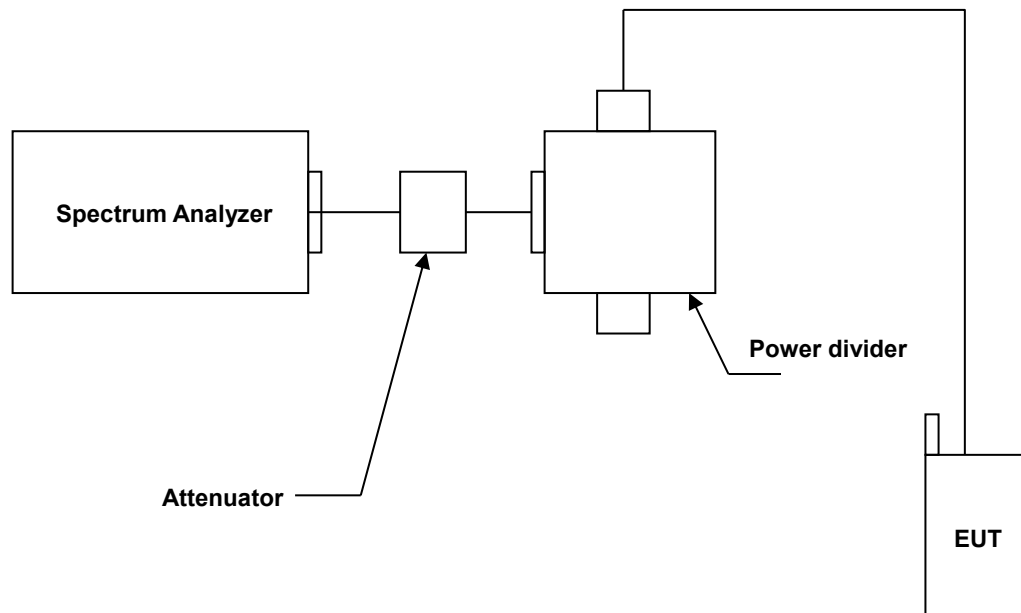
■ Limit

FCC Part 96:

Device		Power of emission outside the fundamental	Limit (dBm/MHz)
☐	End User Device	Within 0 MHz to B MHz above and below the assigned channel.	-13
		Greater than B MHz above and below the assigned channel.	-25
		The conducted power of emissions below 3540 or above 3710 MHz.	
		The conducted power of emissions below 3530 or above 3720 MHz.	-40
		The Adjacent Channel Leakage Ratio for End User Devices shall be at least 30 dB.	
☐	Category A CBSD	Within 0 MHz to 10 MHz above and below the assigned channel.	-13
		Greater than 10 MHz above and below the assigned channel.	-25
	■ Category B CBSD	The conducted power of emissions below 3540 or above 3710 MHz.	
		The conducted power of emissions below 3530 or above 3720 MHz.	-40

Note: Where B is the bandwidth in megahertz of the assigned channel or multiple contiguous channels of the End User Device.

■ Setup



■ Test Procedure

- The EUT was set up for the maximum peak power with WWAN data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low / mid / high operational frequency range.)
- The band edge measurement used the power splitter connected to spectrum analyzer. This splitter loss and cable loss are the worst loss in the transmitted path track.
- Record the max trace plot into the test report.

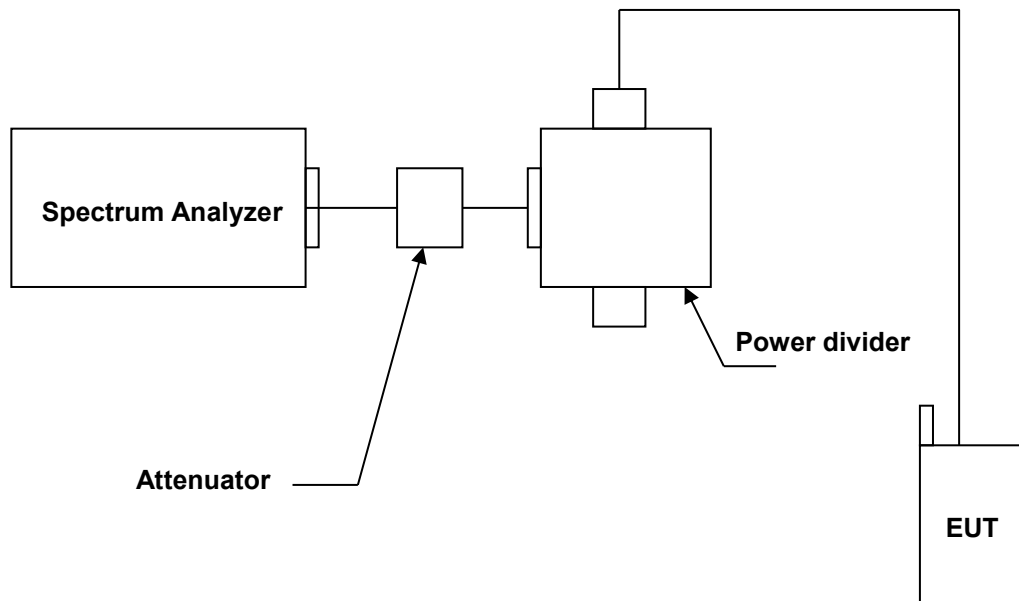
3.7. Conducted Spurious Emission Test

■ Limit

FCC Part 96:

The conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

■ Setup



■ Test Procedure

- The EUT was set up for the maximum peak power with WWAN data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range.).
- The conducted spurious emission used the power splitter via EUT RF power connected to spectrum analyzer.
- Record the max trace plot into the test report

3.8. Radiated Emission Test

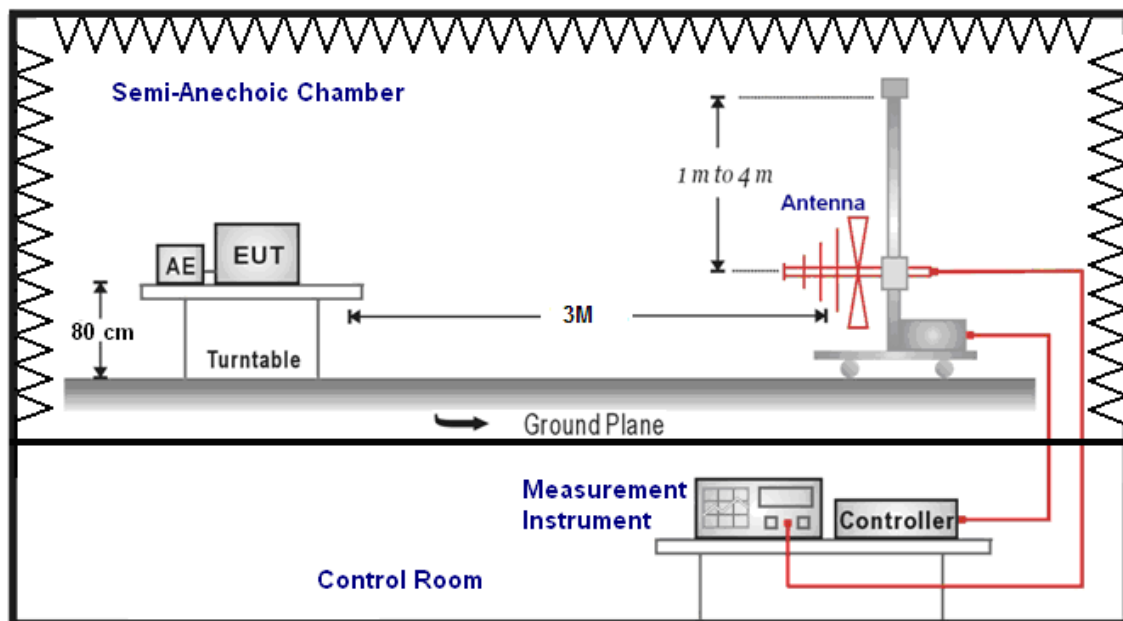
■ Limit

FCC Part 96:

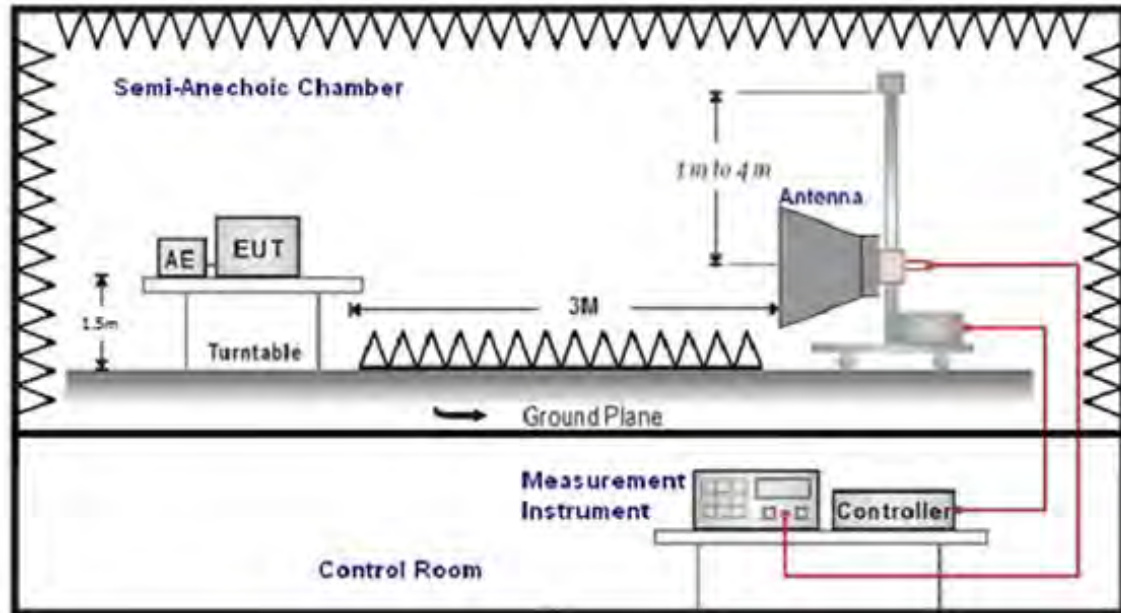
The conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

■ Setup

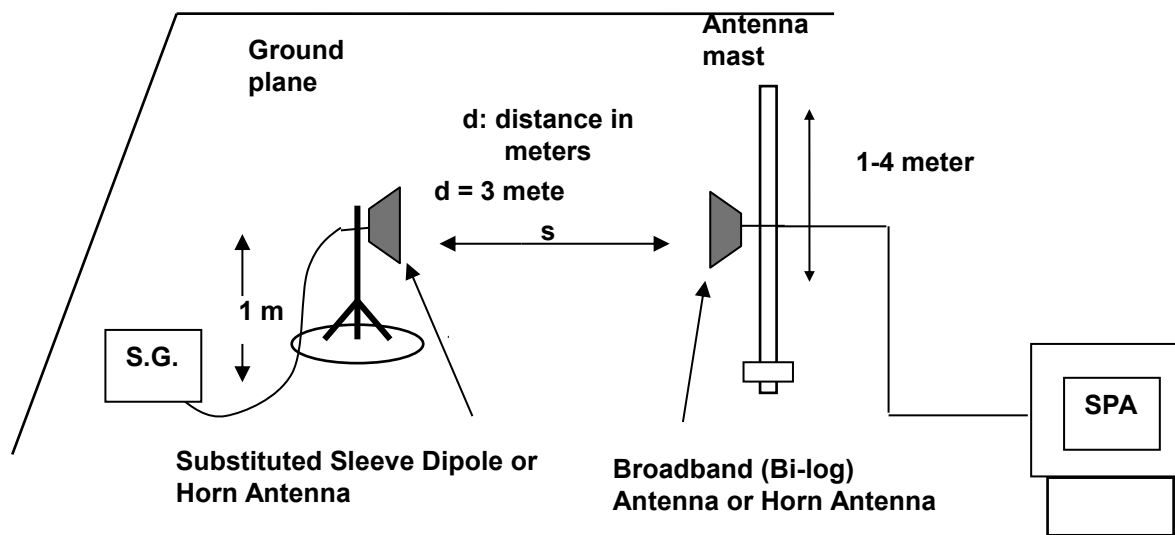
Below 1 GHz



Above 1 GHz



For Substituted Method Test Set-UP



■ Test Procedure

- The EUT was set up for the maximum power with WWAN data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range).
- Radiation Emission measurement. In the semi-anechoic chamber, EUT placed on the 0.8 m (1.5 m for above 1 GHz) 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 1 m to 4 m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- The substitution antenna (Note:1 & 2) 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.
- E.I.R.P. = Output power level of S.G - TX cable loss + Antenna gain of substitution horn
- E.R.P. = E.I.R.P- 2.15 dB

Note: 1. Below 1 GHz Substituted Method Test : Sleeve dipole antenna to Bi-Log Antenna.

2. Above 1 GHz Substituted Method Test : Horn antenna to Horn Antenna.

4 Test Results

4.1. Conducted Output Power and Power Density / Equivalent Isotropic Radiated Power and Maximum Power Spectral Density

Maximum EIRP (Full Power)

NR Band	BandWidth	Arfcn	Freq (MHz)	Modulation	Setting	ANT1 Power (dBm)	ANT2 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
48	20	637334	3560.01	QPSK	310	30.86	30.41	33.65	48.22	66.3743
48	20	637334	3560.01	64 QAM	310	30.83	30.35	33.61	48.18	65.7658
48	20	637334	3560.01	256 QAM	310	30.74	30.18	33.48	48.05	63.8263
48	20	641666	3624.99	QPSK	310	30.82	29.79	33.35	47.92	61.9441
48	20	641666	3624.99	64 QAM	310	29.87	29.86	32.88	47.45	55.5904
48	20	641666	3624.99	256 QAM	310	30.47	29.34	32.95	47.52	56.4937
48	20	646000	3690	QPSK	315	30.94	30.4	33.69	48.26	66.9885
48	20	646000	3690	64 QAM	315	30.94	30.11	33.56	48.13	65.0130
48	20	646000	3690	256 QAM	315	29.76	29.51	32.65	47.22	52.7230
48	30	637668	3565.02	QPSK	320	32.03	31.51	34.79	49.36	86.2979
48	30	637668	3565.02	64 QAM	320	31.93	31.49	34.73	49.3	85.1138
48	30	637668	3565.02	256 QAM	320	31.95	31.49	34.74	49.31	85.3100
48	30	641666	3624.99	QPSK	325	32.31	31.27	34.83	49.4	87.0964
48	30	641666	3624.99	64 QAM	325	32.13	31.47	34.82	49.39	86.8960
48	30	641666	3624.99	256 QAM	325	32.33	30.73	34.61	49.18	82.7942
48	30	645666	3684.99	QPSK	330	32.26	32.29	35.29	49.86	96.8278
48	30	645666	3684.99	64 QAM	330	32.36	32.44	35.41	49.98	99.5405
48	30	645666	3684.99	256 QAM	330	32.25	32.37	35.32	49.89	97.4990
48	40	638000	3570	QPSK	330	32.19	32.17	35.19	49.76	94.6237
48	40	638000	3570	64 QAM	330	32.2	32.04	35.13	49.7	93.3254
48	40	638000	3570	256 QAM	330	31.73	31.06	34.42	48.99	79.2501
48	40	641666	3624.99	QPSK	340	33.7	32.93	36.34	50.91	123.3105
48	40	641666	3624.99	64 QAM	340	33.37	32.89	36.15	50.72	118.0321
48	40	641666	3624.99	256 QAM	340	32.6	32.51	35.57	50.14	103.2761
48	40	645332	3679.98	QPSK	340	33.19	32.72	35.97	50.54	113.2400
48	40	645332	3679.98	64 QAM	340	32.92	32.46	35.71	50.28	106.6596
48	40	645332	3679.98	256 QAM	340	32.77	32.59	35.69	50.26	106.1696

Maximum EIRP (Per 10M)

NR Band	BandWidth	Arfcn	Freq (MHz)	Modulation	Setting	ANT1 Power (dBm)	ANT2 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
48	20	637334	3560.01	QPSK	310	28.16	27.73	30.96	45.53	35.7273
48	20	637334	3560.01	64 QAM	310	28.1	27.47	30.81	45.38	34.5144
48	20	637334	3560.01	256 QAM	310	28.24	27.57	30.93	45.5	35.4813
48	20	641666	3624.99	QPSK	310	27.92	27.71	30.83	45.4	34.6737
48	20	641666	3624.99	64 QAM	310	27.72	27.67	30.71	45.28	33.7287
48	20	641666	3624.99	256 QAM	310	27.74	27.33	30.55	45.12	32.5087
48	20	646000	3690	QPSK	315	28.26	28.01	31.15	45.72	37.3250
48	20	646000	3690	64 QAM	315	27.89	27.27	30.60	45.17	32.8852
48	20	646000	3690	256 QAM	315	27.36	27.13	30.26	44.83	30.4089
48	30	637668	3565.02	QPSK	320	27.48	27.05	30.28	44.85	30.5492
48	30	637668	3565.02	64 QAM	320	27.3	26.6	29.97	44.54	28.4446
48	30	637668	3565.02	256 QAM	320	27.48	26.98	30.25	44.82	30.3389
48	30	641666	3624.99	QPSK	325	27.8	26.74	30.31	44.88	30.7610
48	30	641666	3624.99	64 QAM	325	26.76	26.5	29.64	44.21	26.3633
48	30	641666	3624.99	256 QAM	325	27.64	26.59	30.16	44.73	29.7167
48	30	645666	3684.99	QPSK	330	27.94	27.51	30.74	45.31	33.9625
48	30	645666	3684.99	64 QAM	330	27.69	27.02	30.38	44.95	31.2608
48	30	645666	3684.99	256 QAM	330	27.35	27.14	30.26	44.83	30.4089
48	40	638000	3570	QPSK	330	26.59	26.17	29.40	43.97	24.9459
48	40	638000	3570	64 QAM	330	26.67	25.96	29.34	43.91	24.6037
48	40	638000	3570	256 QAM	330	26.79	25.79	29.33	43.9	24.5471
48	40	641666	3624.99	QPSK	340	28.25	26.44	30.45	45.02	31.7687
48	40	641666	3624.99	64 QAM	340	27.39	26.85	30.14	44.71	29.5801
48	40	641666	3624.99	256 QAM	340	27.38	27.08	30.24	44.81	30.2691
48	40	645332	3679.98	QPSK	340	27.14	26.97	30.07	44.64	29.1072
48	40	645332	3679.98	64 QAM	340	26.97	26.72	29.86	44.43	27.7332
48	40	645332	3679.98	256 QAM	340	26.93	26.76	29.86	44.43	27.7332

Remark: The above Maximum EIRP value is compliance with limit EIRP 47dBm/10MHz.

Maximum EIRP Power Density

NR Band	BandWidth	Arfcn	Freq (MHz)	Modulation	Setting	ANT1 Power (dBm)	ANT2 Power (dBm)	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)
48	20	637334	3560.01	QPSK	310	19.235	18.861	22.06	36.63	4.6026
48	20	637334	3560.01	64 QAM	310	19.101	18.815	21.97	36.54	4.5082
48	20	637334	3560.01	256 QAM	310	19.249	18.659	21.97	36.54	4.5082
48	20	641666	3624.99	QPSK	310	19.121	18.836	21.99	36.56	4.5290
48	20	641666	3624.99	64 QAM	310	18.738	18.674	21.72	36.29	4.2560
48	20	641666	3624.99	256 QAM	310	18.738	18.608	21.68	36.25	4.2170
48	20	646000	3690	QPSK	315	19.074	18.91	22.00	36.57	4.5394
48	20	646000	3690	64 QAM	315	18.461	18.362	21.42	35.99	3.9719
48	20	646000	3690	256 QAM	315	19.115	18.518	21.84	36.41	4.3752
48	30	637668	3565.02	QPSK	320	19.111	18.561	21.86	36.43	4.3954
48	30	637668	3565.02	64 QAM	320	19.079	18.201	21.67	36.24	4.2073
48	30	637668	3565.02	256 QAM	320	19.199	18.21	21.74	36.31	4.2756
48	30	641666	3624.99	QPSK	325	19.14	18.377	21.79	36.36	4.3251
48	30	641666	3624.99	64 QAM	325	18.933	18.368	21.67	36.24	4.2073
48	30	641666	3624.99	256 QAM	325	18.707	18.295	21.52	36.09	4.0644
48	30	645666	3684.99	QPSK	330	19.055	18.902	21.99	36.56	4.5290
48	30	645666	3684.99	64 QAM	330	19.206	18.513	21.88	36.45	4.4157
48	30	645666	3684.99	256 QAM	330	18.735	18.703	21.73	36.3	4.2658
48	40	638000	3570	QPSK	330	18.08	17.249	20.69	35.26	3.3574
48	40	638000	3570	64 QAM	330	17.757	17.479	20.63	35.2	3.3113
48	40	638000	3570	256 QAM	330	17.923	17.114	20.55	35.12	3.2509
48	40	641666	3624.99	QPSK	340	19.365	18.519	21.97	36.54	4.5082
48	40	641666	3624.99	64 QAM	340	18.608	18.587	21.61	36.18	4.1495
48	40	641666	3624.99	256 QAM	340	18.717	18.348	21.55	36.12	4.0926
48	40	645332	3679.98	QPSK	340	18.525	18.253	21.40	35.97	3.9537
48	40	645332	3679.98	64 QAM	340	18.328	18.287	21.32	35.89	3.8815
48	40	645332	3679.98	256 QAM	340	18.376	18.342	21.37	35.94	3.9264

Remark: The above Maximum EIRP PSD value is compliance with limit EIRP 37dBm/1MHz.

4.2. Emission Bandwidth & Occupied Bandwidth / Peak to Average Ratio / Band Edge / Conducted Spurious Emission

The equipment passed the requirement of this clause, the detail results refer to Appendix A. Test Results_Band n48

26dB and 99% Bandwidth

NR n48 (ANT 1)				
Modulation	Channel Bandwidth	Frequency	26dB Bandwidth	Occupied Bandwidth
		(MHz)	(MHz)	(MHz)
QPSK	20 MHz	3624.99	18.98	18.158
	30 MHz	3624.99	28.85	27.809
	40 MHz	3624.99	39.29	37.766
64 QAM	20 MHz	3624.99	18.9	18.169
	30 MHz	3624.99	28.9	27.813
	40 MHz	3624.99	39.22	37.778
256 QAM	20 MHz	3624.99	18.98	18.162
	30 MHz	3624.99	28.86	27.791
	40 MHz	3624.99	39.26	37.807

NR n48 (ANT 2)				
Modulation	Channel Bandwidth	Frequency	26dB Bandwidth	Occupied Bandwidth
		(MHz)	(MHz)	(MHz)
QPSK	20 MHz	3624.99	18.87	18.19
	30 MHz	3624.99	28.82	27.828
	40 MHz	3624.99	39.25	37.808
64 QAM	20 MHz	3624.99	18.92	18.171
	30 MHz	3624.99	28.84	27.819
	40 MHz	3624.99	39.22	37.827
256 QAM	20 MHz	3624.99	18.9	18.192
	30 MHz	3624.99	28.9	27.806
	40 MHz	3624.99	39.25	37.79

4.3. Frequency Stability

Frequency Stability (Temperature Variation)

QPSK	NR Band 48_BW 20MHz	Fq(MHz) : 3560.01
Temperature (°C)	Deviation (ppm)	
-30	-0.01	
-20	-0.01	
-10	-0.01	
0	0.01	
10	0	
20	-0.01	
30	-0.01	
40	0	
50	-0.01	

Frequency Stability vs. Voltage

QPSK	NR Band 48_BW 20MHz	Fq(MHz) : 3560.01
Voltage(V)	Deviation (ppm)	
VN (120V)	-0.01	
VL (102V)	-0.01	
VH (138V)	0.01	

QPSK	NR Band 48_BW 20MHz	Fq(MHz) : 3690
Temperature (°C)	Deviation (ppm)	
-30	-0.03	
-20	-0.03	
-10	-0.02	
0	-0.04	
10	-0.03	
20	-0.03	
30	-0.03	
40	-0.03	
50	-0.02	

Frequency Stability vs. Voltage

QPSK	NR Band 48_BW 20MHz	Fq(MHz) : 3690
Voltage(V)	Deviation (ppm)	
VN (120V)	-0.03	
VL (102V)	-0.02	
VH (138V)	-0.04	

4.4. Radiated Emission

Internal power supply
Omni Antenna

Test Site:	96603 - WG	Standard:	Part96
Test Mode:	Transmit mode		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	280.26	-44.93	-11.69	-56.62	-40.00	-16.62	PEAK
2	320.03	-45.57	-10.64	-56.21	-40.00	-16.21	PEAK
3	459.71	-49.85	-7.08	-56.93	-40.00	-16.93	PEAK
4	480.08	-46.31	-6.96	-53.27	-40.00	-13.27	PEAK
5	749.74	-57.90	-2.27	-60.17	-40.00	-20.17	PEAK
6	967.02	-63.54	0.16	-63.38	-40.00	-23.38	PEAK

Test Site:	96603 - WG	Standard:	Part96
Test Mode:	Transmit mode		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	269.59	-47.88	-12.24	-60.12	-40.00	-20.12	PEAK
2	280.26	-43.77	-11.69	-55.46	-40.00	-15.46	PEAK
3	419.94	-50.08	-8.19	-58.27	-40.00	-18.27	PEAK
4	459.71	-48.53	-7.08	-55.61	-40.00	-15.61	PEAK
5	480.08	-42.50	-6.96	-49.46	-40.00	-9.46	PEAK
6	900.09	-62.90	-0.36	-63.26	-40.00	-23.26	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3560.01 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7120.02	-52.37	8.01	-44.36	-40.00	-4.36	PEAK
2	10680.03	-59.18	8.82	-50.36	-40.00	-10.36	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3560.01 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7120.02	-54.33	8.01	-46.32	-40.00	-6.32	PEAK
2	10680.03	-60.13	8.82	-51.31	-40.00	-11.31	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3624.99 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-51.76	7.95	-43.81	-40.00	-3.81	PEAK
2	10874.97	-59.63	8.40	-51.23	-40.00	-11.23	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3624.99 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-54.80	7.95	-46.85	-40.00	-6.85	PEAK
2	10874.97	-61.06	8.40	-52.66	-40.00	-12.66	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3690 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7380.00	-56.51	7.89	-48.62	-40.00	-8.62	PEAK
2	11070.00	-61.94	8.39	-53.55	-40.00	-13.55	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3690 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7380.00	-56.48	7.89	-48.59	-40.00	-8.59	PEAK
2	11070.00	-63.71	8.39	-55.32	-40.00	-15.32	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3570 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7140.00	-53.86	7.98	-45.88	-40.00	-5.88	PEAK
2	10710.00	-63.86	8.77	-55.09	-40.00	-15.09	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3570 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7140.00	-51.54	7.98	-43.56	-40.00	-3.56	PEAK
2	10710.00	-63.62	8.77	-54.85	-40.00	-14.85	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3624.99 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-56.91	7.95	-48.96	-40.00	-8.96	PEAK
2	10874.97	-62.72	8.40	-54.32	-40.00	-14.32	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3624.99 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-53.27	7.95	-45.32	-40.00	-5.32	PEAK
2	10874.97	-62.05	8.40	-53.65	-40.00	-13.65	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3679.98 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7359.96	-57.52	7.92	-49.60	-40.00	-9.60	PEAK
2	11039.94	-66.44	8.31	-58.13	-40.00	-18.13	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3679.98 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7359.96	-60.15	7.92	-52.23	-40.00	-12.23	PEAK
2	11039.94	-63.51	8.31	-55.20	-40.00	-15.20	PEAK

Directional Antenna

Test Site:	96603 - WG	Standard:	Part96
Test Mode:	Transmit mode		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	210.42	-55.07	-14.76	-69.83	-40.00	-29.83	PEAK
2	280.26	-43.45	-11.69	-55.14	-40.00	-15.14	PEAK
3	320.03	-48.57	-10.64	-59.21	-40.00	-19.21	PEAK
4	480.08	-43.63	-6.96	-50.59	-40.00	-10.59	PEAK
5	500.45	-52.87	-6.73	-59.60	-40.00	-19.60	PEAK
6	874.87	-62.42	-1.08	-63.50	-40.00	-23.50	PEAK

Test Site:	96603 - WG	Standard:	Part96
Test Mode:	Transmit mode		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	36.79	-52.27	-12.93	-65.20	-40.00	-25.20	PEAK
2	229.82	-54.96	-14.50	-69.46	-40.00	-29.46	PEAK
3	480.08	-46.45	-6.96	-53.41	-40.00	-13.41	PEAK
4	519.85	-55.78	-6.24	-62.02	-40.00	-22.02	PEAK
5	806.00	-65.51	-1.38	-66.89	-40.00	-26.89	PEAK
6	900.09	-70.28	-0.36	-70.65	-40.00	-30.65	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3560.01 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7120.02	-58.64	8.01	-50.63	-40.00	-10.63	PEAK
2	10680.03	-67.52	8.82	-58.70	-40.00	-18.70	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3560.01 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7120.02	-60.64	8.01	-52.63	-40.00	-12.63	PEAK
2	10680.03	-67.49	8.82	-58.67	-40.00	-18.67	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3624.99 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-57.27	7.95	-49.32	-40.00	-9.32	PEAK
2	10874.97	-67.52	8.40	-59.12	-40.00	-19.12	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3624.99 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-61.18	7.95	-53.23	-40.00	-13.23	PEAK
2	10874.97	-67.46	8.40	-59.06	-40.00	-19.06	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3690 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7380.00	-56.85	7.89	-48.96	-40.00	-8.96	PEAK
2	11070.00	-67.99	8.39	-59.60	-40.00	-19.60	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3690 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7380.00	-61.10	7.89	-53.21	-40.00	-13.21	PEAK
2	11070.00	-68.43	8.39	-60.04	-40.00	-20.04	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3570 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7140.00	-60.79	7.98	-52.81	-40.00	-12.81	PEAK
2	10710.00	-67.23	8.77	-58.46	-40.00	-18.46	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3570 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7140.00	-63.28	7.98	-55.30	-40.00	-15.30	PEAK
2	10710.00	-67.74	8.77	-58.97	-40.00	-18.97	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3624.99 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-60.76	7.95	-52.81	-40.00	-12.81	PEAK
2	10874.97	-67.14	8.40	-58.74	-40.00	-18.74	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3624.99 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-63.27	7.95	-55.32	-40.00	-15.32	PEAK
2	10874.97	-67.91	8.40	-59.51	-40.00	-19.51	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3679.98 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7359.96	-63.40	7.92	-55.48	-40.00	-15.48	PEAK
2	11039.94	-66.53	8.31	-58.22	-40.00	-18.22	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3679.98 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7359.96	-68.46	7.92	-60.54	-40.00	-20.54	PEAK
2	11039.94	-68.94	8.31	-60.63	-40.00	-20.63	PEAK

External power supply
Omni Antenna

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	Transmit mode		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	69.77	-41.15	-14.04	-55.19	-40.00	-15.19	PEAK
2	164.83	-34.64	-11.93	-46.57	-40.00	-6.57	PEAK
3	195.87	-31.47	-14.59	-46.06	-40.00	-6.06	PEAK
4	239.52	-35.57	-13.13	-48.70	-40.00	-8.70	PEAK
5	290.93	-45.36	-11.40	-56.76	-40.00	-16.76	PEAK
6	641.10	-49.59	-3.86	-53.45	-40.00	-13.45	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	Transmit mode		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	70.74	-32.39	-14.11	-46.50	-40.00	-6.50	PEAK
2	151.25	-34.75	-11.62	-46.37	-40.00	-6.37	PEAK
3	175.50	-32.50	-12.70	-45.20	-40.00	-5.20	PEAK
4	195.87	-30.72	-14.59	-45.31	-40.00	-5.31	PEAK
5	639.16	-51.72	-3.88	-55.60	-40.00	-15.60	PEAK
6	897.18	-49.08	-0.42	-49.50	-40.00	-9.50	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3560.01 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7120.02	-54.63	8.01	-46.62	-40.00	-6.62	PEAK
2	10680.03	-61.46	8.82	-52.64	-40.00	-12.64	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3560.01 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7120.02	-56.88	8.01	-48.87	-40.00	-8.87	PEAK
2	10680.03	-62.46	8.82	-53.64	-40.00	-13.64	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3624.99 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-52.97	7.95	-45.02	-40.00	-5.02	PEAK
2	10874.97	-62.89	8.40	-54.49	-40.00	-14.49	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3624.99 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-55.97	7.95	-48.02	-40.00	-8.02	PEAK
2	10874.97	-63.43	8.40	-55.03	-40.00	-15.03	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3690 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7380.00	-58.74	7.89	-50.85	-40.00	-10.85	PEAK
2	11070.00	-64.02	8.39	-55.63	-40.00	-15.63	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3690 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7380.00	-58.12	7.89	-50.23	-40.00	-10.23	PEAK
2	11070.00	-64.41	8.39	-56.02	-40.00	-16.02	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3570 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7140.00	-55.60	7.98	-47.62	-40.00	-7.62	PEAK
2	10710.00	-63.75	8.77	-54.98	-40.00	-14.98	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3570 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7140.00	-54.00	7.98	-46.02	-40.00	-6.02	PEAK
2	10710.00	-66.00	8.77	-57.23	-40.00	-17.23	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3624.99 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-58.27	7.95	-50.32	-40.00	-10.32	PEAK
2	10874.97	-64.49	8.40	-56.09	-40.00	-16.09	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3624.99 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-55.98	7.95	-48.03	-40.00	-8.03	PEAK
2	10874.97	-63.49	8.40	-55.09	-40.00	-15.09	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3679.98 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7359.96	-58.55	7.92	-50.63	-40.00	-10.63	PEAK
2	11039.94	-67.81	8.31	-59.50	-40.00	-19.50	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3679.98 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7359.96	-63.05	7.92	-55.13	-40.00	-15.13	PEAK
2	11039.94	-66.40	8.31	-58.09	-40.00	-18.09	PEAK

Directional Antenna

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	Transmit mode		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	69.77	-31.03	-14.04	-45.07	-40.00	-5.07	PEAK
2	151.25	-33.99	-11.62	-45.61	-40.00	-5.61	PEAK
3	166.77	-33.14	-12.02	-45.16	-40.00	-5.16	PEAK
4	242.43	-34.39	-12.98	-47.37	-40.00	-7.37	PEAK
5	480.08	-44.78	-6.96	-51.74	-40.00	-11.74	PEAK
6	798.24	-54.24	-1.53	-55.78	-40.00	-15.78	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	Transmit mode		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	70.74	-30.42	-14.11	-44.53	-40.00	-4.53	PEAK
2	175.50	-32.92	-12.70	-45.62	-40.00	-5.62	PEAK
3	213.33	-30.25	-14.70	-44.95	-40.00	-4.95	PEAK
4	295.78	-40.22	-11.37	-51.59	-40.00	-11.59	PEAK
5	480.08	-43.73	-6.96	-50.69	-40.00	-10.69	PEAK
6	676.02	-52.22	-3.68	-55.90	-40.00	-15.90	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3560.01 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7120.02	-60.17	8.01	-52.16	-40.00	-12.16	PEAK
2	10680.03	-66.94	8.82	-58.12	-40.00	-18.12	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3560.01 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7120.02	-62.10	8.01	-54.09	-40.00	-14.09	PEAK
2	10680.03	-67.16	8.82	-58.34	-40.00	-18.34	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3624.99 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-59.04	7.95	-51.09	-40.00	-11.09	PEAK
2	10874.97	-68.38	8.40	-59.98	-40.00	-19.98	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3624.99 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-61.98	7.95	-54.03	-40.00	-14.03	PEAK
2	10874.97	-68.00	8.40	-59.60	-40.00	-19.60	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3690 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7380.00	-58.01	7.89	-50.12	-40.00	-10.12	PEAK
2	11070.00	-67.21	8.39	-58.82	-40.00	-18.82	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:20M		
	3690 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7380.00	-59.98	7.89	-52.09	-40.00	-12.09	PEAK
2	11070.00	-67.47	8.39	-59.08	-40.00	-19.08	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3570 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7140.00	-62.07	7.98	-54.09	-40.00	-14.09	PEAK
2	10710.00	-67.06	8.77	-58.29	-40.00	-18.29	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3570 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7140.00	-64.29	7.98	-56.31	-40.00	-16.31	PEAK
2	10710.00	-67.26	8.77	-58.49	-40.00	-18.49	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3624.99 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-61.50	7.95	-53.55	-40.00	-13.55	PEAK
2	10874.97	-67.79	8.40	-59.39	-40.00	-19.39	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3624.99 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7249.98	-65.93	7.95	-57.98	-40.00	-17.98	PEAK
2	10874.97	-67.89	8.40	-59.49	-40.00	-19.49	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3679.98 MHz		
Polarization:	Horizontal		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7359.96	-66.39	7.92	-58.47	-40.00	-18.47	PEAK
2	11039.94	-68.47	8.31	-60.16	-40.00	-20.16	PEAK

Test Site:	96603 - WG	Standard:	Part 96
Test Mode:	n48 NR 30k QPSK BW:40M		
	3679.98 MHz		
Polarization:	Vertical		
Remark:			

ID	Frequency MHz	Reading dBm	Correct Factor dB/m	Result dBm	Limit dBm	Margin dB	Remark
1	7359.96	-68.79	7.92	-60.87	-40.00	-20.87	PEAK
2	11039.94	-67.82	8.31	-59.51	-40.00	-19.51	PEAK

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