MEASUREMENT REPORT

FCC PART 27

FCC ID:	XIA-CFW2591
Application:	NetComm Wireless Pty Ltd
Application Type:	Certification
Product:	5G High Power mmWave Outdoor CPE
Model No.:	CFW-2591
Brand Name:	Casa Systems
FCC Rule Part(s):	Part 27
Test Procedure(s):	ANSI C63.26: 2015
Test Date:	January 21 ~ 25, 2022

Reviewed By: Sunny Sun

Approved By: Robin Wu

Revision History

Report No.	Version	Description	Issue Date	Note
2110RSU037-U10	Rev. 01	Initial Report	01-29-2022	Valid

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Description Page

1. GENERAL INFORMATION

1.1. Applicant

NetComm Wireless Pty Ltd

Level 5, 18-20 Orion Road, Lane Cove, NSW, 2066, Australia

1.2. Manufacturer

CASA SYSTEMS, INC.

100 Old River Road, Andover MA 01810 USA

1.3. Testing Facility

☒	**Test Site - MRT Suzhou Laboratory**	
	Laboratory Location (Suzhou - Wuzhong)	
	D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China	
	Laboratory Location (Suzhou - SIP)	
	4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China	
	Laboratory Accreditations	
	A2LA: 3628.01	CNAS: L10551
	FCC: CN1166	ISED: CN0001
	VCCI: R-20025, G-20034, C-20020, T-20020	
☐	**Test Site - MRT Shenzhen Laboratory**	
	Laboratory Location (Shenzhen)	
	1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China	
	Laboratory Accreditations	
	A2LA: 3628.02	CNAS: L10551
	FCC: CN1284	ISED: CN0105
☐	**Test Site - MRT Taiwan Laboratory**	
	Laboratory Location (Taiwan)	
	No. 38, Fuxing 2nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)	
	Laboratory Accreditations	
	TAF: L3261-190725	
	FCC: 291082, TW3261	ISED: TW3261

1.4. Product Information

Product Name	5G High Power mmWave Outdoor CPE
Model No.	CFW-2591
Brand Name	Casa Systems
IMEI	Conducted Measurement: 354796430000971 Radiated Measurement: 35479630001250
E-UTRA Band	Band 4, 5, 12, 17, 41, 48, 66
FR1 NR Band	n66
FR2 NR Band	n261
Bluetooth Specification	V4.1 BLE only
Antenna Information	Refer to section 1.6
Operating Temperature	-40 ~ 55 °C
Remark: 1. The information of EUT was provided by the manufacturer, and the accuracy of the information shall be the responsibility of the manufacturer.	

1.5. Radio Specification under Test

TDD T_X Frequency Range	CA_41C: 2496 ~ 2690 MHz;
TDD R_X Frequency Range	CA_41C: 2496 ~ 2690 MHz;
Modulation	up to 256QAM

1.6. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
LTE Band 41	2496 ~ 2690	Dipole	5.1

1.7. Test Methodology

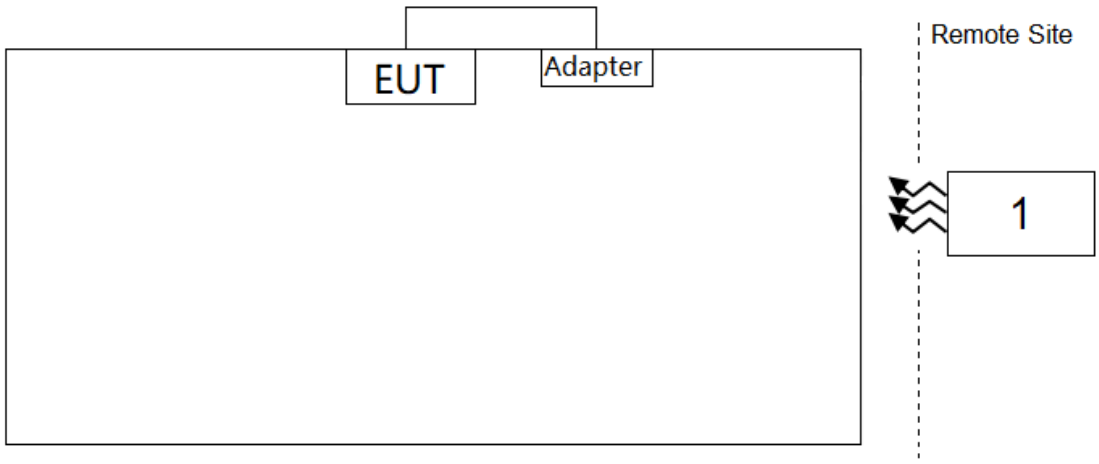
According to the specifications of the manufacturer, the EUT must comply with the requirements of the following standards:

- ANSI C63.26:2015
- FCC CFR 47 Part 27
- FCC KDB 971168 D01 v03r01: Power Meas License Digital Systems
- FCC KDB 971168 D02 v02r01: Misc Rev Approv License Devices
- FCC KDB 412172 D01 v01r01: Determining ERP and EIRP

1.8. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

1.9. Configuration of Tested System



Product		Manufacturer	Model No.
1	Wideband Radio Communication Tester	R&S	CMW 500
2	Adapter	CASA System	POE-O4

1.10. Test Environment Condition

Ambient Temperature	15 ~ 35°C
Relative Humidity	20% ~ 75%RH

2. TEST EQUIPMENT CALIBRATION DATE

Instrument	Manufacturer	Model No.	Asset No.	Last Cali. Date	Cali. Due Date	Test Site
Thermohygrometer	testo	608-H1	MRTSUE06362	1 year	2022/2/25	WZ-SR6
Shielding Room	HUAMING	WZ-SR6	MRTSUE06443	/	/	WZ-SR6
Signal Analyzer	Keysight	N9020B	MRTSUE06583	1 year	2022/10/10	WZ-SR6
Signal Generator	Keysight	N5173B	MRTSUE06606	1 year	2022/11/29	WZ-SR6
5G Wireless Test Platform	Keysight	E7515B	MRTSUE06942	1 year	2022/3/29	WZ-SR6
Radio Communication Analyzer	Anritsu	MT8821C	MRTSUE06960	1 year	2022/7/1	WZ-SR6
Radio Communication Test Station	Anritsu	MT8000A	MRTSUE06961	1 year	2022/7/1	WZ-SR6
Communication Tester	R&S	CMW500	MRTSUE06108	1 year	2022/4/14	WZ-SR6

Software	Version	Function
EMI Software	V3	EMI Test Software

3. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k = 2.

Radiated Spurious Emissions
Measurement Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): Horizontal: 9kHz ~ 300MHz: 5.04dB 300MHz ~ 1GHz: 4.95dB 1GHz ~ 40GHz: 6.40dB Vertical: 9kHz ~ 300MHz: 5.24dB 300MHz ~ 1GHz: 6.03dB 1GHz ~ 40GHz: 6.40dB
Conducted Spurious Emissions
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 0.78dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 1.13dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 0.28%
Frequency Stability
Measuring Uncertainty for a Level of Confidence of 95% (U=2Uc(y)): 76.2Hz

4. TEST RESULT

4.1. Summary

FCC Part Section(s)	Test Description	Test Condition	Test Result
2.1049	Occupied Bandwidth	Conducted	Pass
27.50(h)(2)	Equivalent Isotropic Radiated Power		Pass
2.1051, 27.53(m)	Band Edge		Pass
2.1051, 27.53(m)	Conducted Spurious Emissions		Pass

Notes:

1) The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.
2) All supported modulation types were evaluated. The worst-case emission of modulation was selected. Therefore, the Frequency Stability, Channel Band Edge, Conducted Spurious Emission, Radiated Spurious Emission (include the Intr-Band CA Mode) were presented the worst-case in the test report.

4.2. Occupied Bandwidth

4.2.1.Test Limit

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

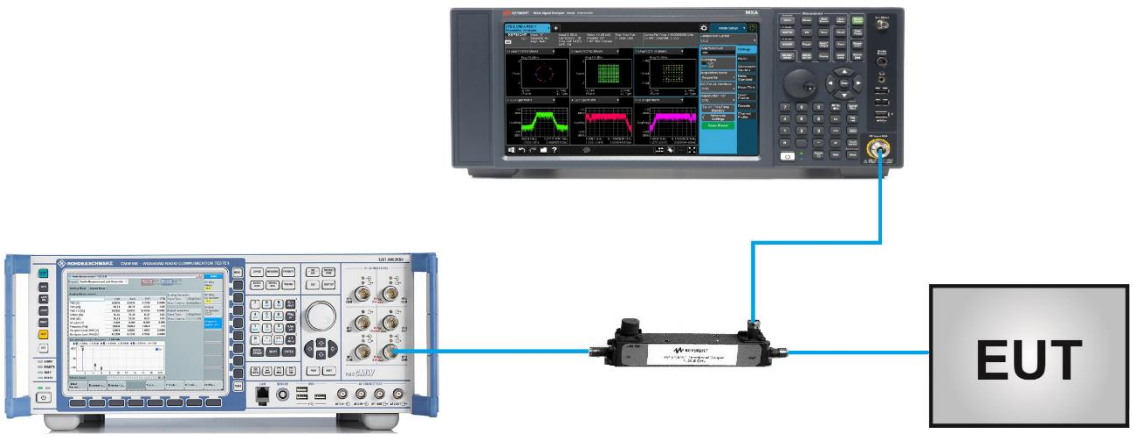
4.2.2.Test Procedure

ANSI C63.26-2015 - Section 5.4

4.2.3.Test Setting

1. Set center frequency to the nominal EUT channel center frequency
2. RBW = The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW
3. VBW ≥ 3 × RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

4.2.4.Test Setup



4.2.5.Test Result

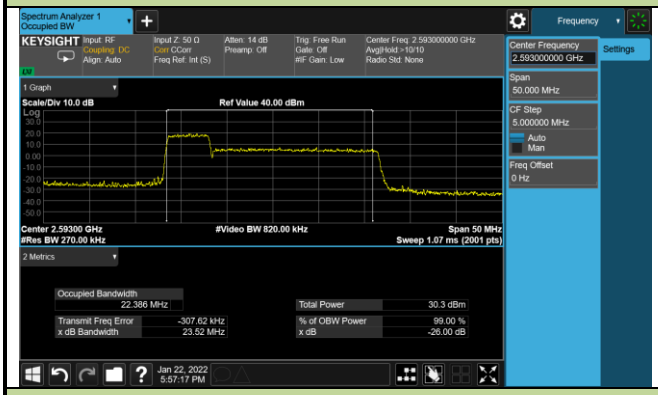
Test Engineer	Larry Yan	Test Site	WZ-SR6
Test Band	Intra-Band CA_41C	Test Date	2022/01/22

Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	2583.8 + 2595.5	5+20	22.39
	2585.9 + 2597.9	10+15	22.77
	2583.6 + 2598.0	10+20	27.32
	2588.1 + 2600.1	15+10	22.95
	2585.5 + 2600.5	15+15	27.98
	2583.3 + 2600.4	15+20	32.16
	2590.5 + 2602.2	20+5	22.77
	2588.1 + 2602.5	20+10	27.53
	2585.6 + 2602.7	20+15	32.31
	2583.1 + 2602.9	20+20	37.07
16QAM	2583.8 + 2595.5	5+20	22.41
	2585.9 + 2597.9	10+15	22.78
	2583.6 + 2598.0	10+20	27.32
	2588.1 + 2600.1	15+10	22.91
	2585.5 + 2600.5	15+15	28.01
	2583.3 + 2600.4	15+20	32.17
	2590.5 + 2602.2	20+5	22.75
	2588.1 + 2602.5	20+10	27.52
	2585.6 + 2602.7	20+15	32.30
	2583.1 + 2602.9	20+20	37.14

Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
64QAM	2583.8 + 2595.5	5+20	22.41
	2585.9 + 2597.9	10+15	22.86
	2583.6 + 2598.0	10+20	27.31
	2588.1 + 2600.1	15+10	22.97
	2585.5 + 2600.5	15+15	28.01
	2583.3 + 2600.4	15+20	32.20
	2590.5 + 2602.2	20+5	22.73
	2588.1 + 2602.5	20+10	27.54
	2585.6 + 2602.7	20+15	32.30
	2583.1 + 2602.9	20+20	37.04
256QAM	2583.8 + 2595.5	5+20	22.43
	2585.9 + 2597.9	10+15	22.82
	2583.6 + 2598.0	10+20	27.34
	2588.1 + 2600.1	15+10	22.89
	2585.5 + 2600.5	15+15	27.96
	2583.3 + 2600.4	15+20	32.31
	2590.5 + 2602.2	20+5	22.71
	2588.1 + 2602.5	20+10	27.62
	2585.6 + 2602.7	20+15	32.31
	2583.1 + 2602.9	20+20	37.02

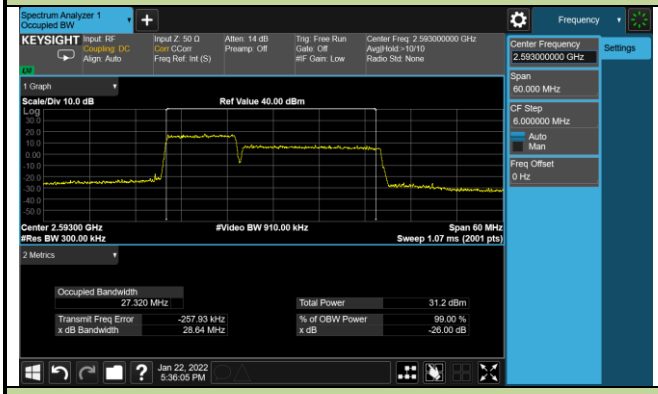
99% Bandwidth - QPSK

5+20MHz Channel Bandwidth



10+15MHz Channel Bandwidth

10+20MHz Channel Bandwidth

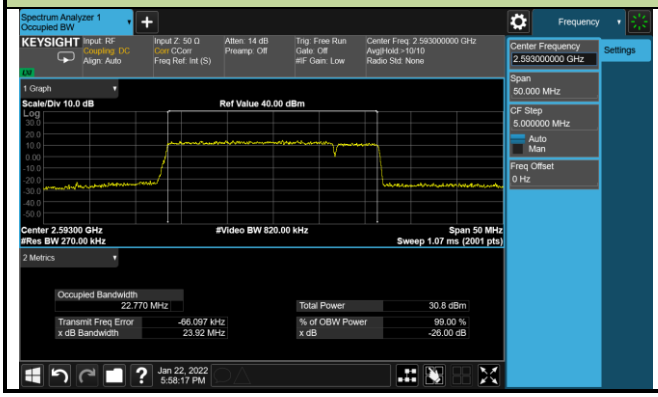


15+10MHz Channel Bandwidth

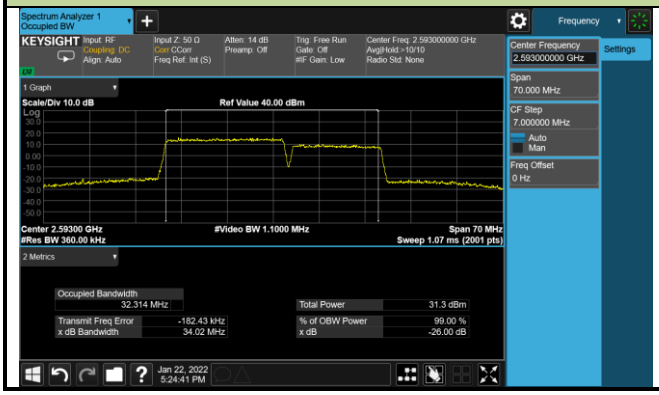
15+15MHz Channel Bandwidth

15+20MHz Channel Bandwidth

20+5MHz Channel Bandwidth



20+10MHz Channel Bandwidth

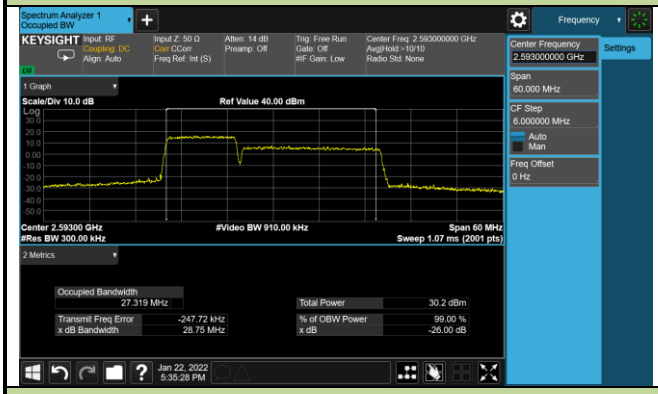
20+15MHz Channel Bandwidth	20+20MHz Channel Bandwidth
	

99% Bandwidth - 16QAM

5+20MHz Channel Bandwidth

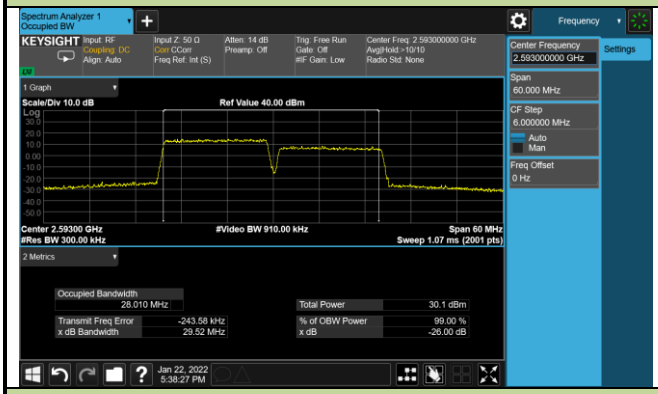
10+15MHz Channel Bandwidth

10+20MHz Channel Bandwidth



15+10MHz Channel Bandwidth

15+15MHz Channel Bandwidth

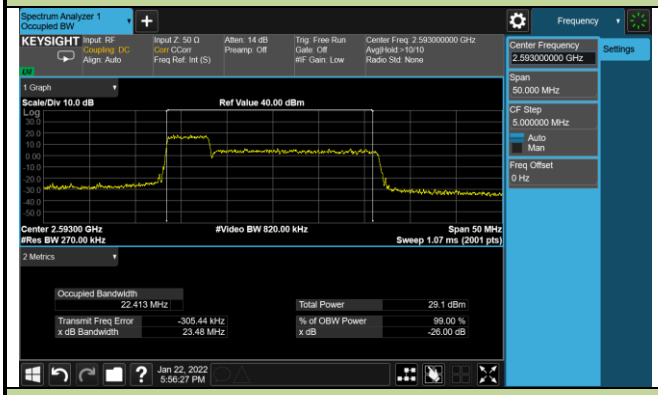
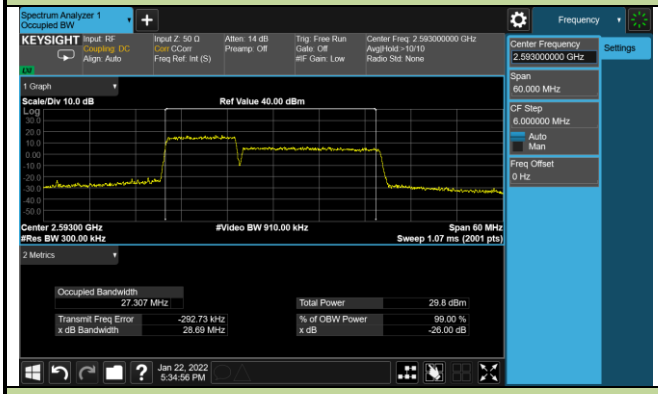
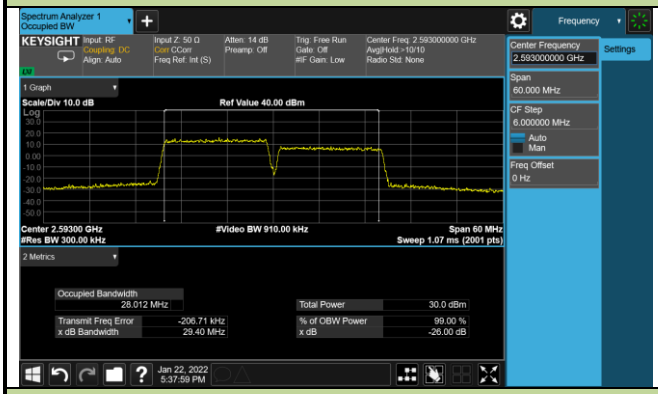
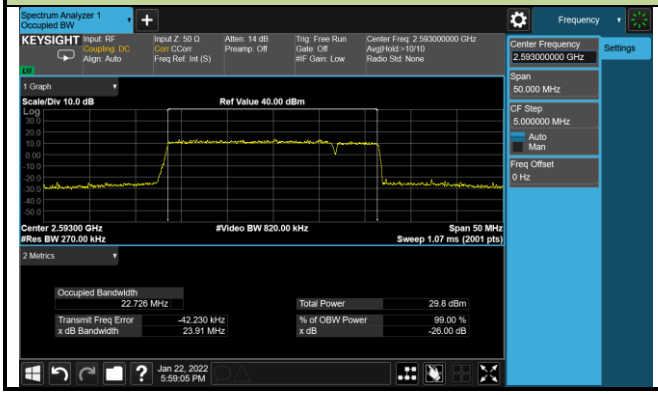


15+20MHz Channel Bandwidth

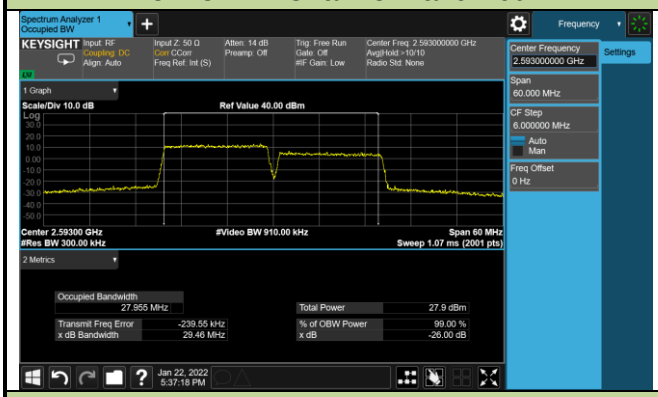
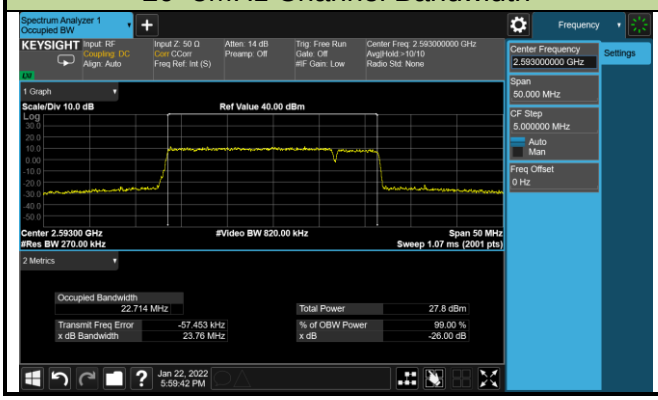
20+5MHz Channel Bandwidth

20+10MHz Channel Bandwidth

20+15MHz Channel Bandwidth	20+20MHz Channel Bandwidth
	

99% Bandwidth - 64QAM	
5+20MHz Channel Bandwidth	10+15MHz Channel Bandwidth
	
10+20MHz Channel Bandwidth	15+10MHz Channel Bandwidth
	
15+15MHz Channel Bandwidth	15+20MHz Channel Bandwidth
	
20+5MHz Channel Bandwidth	20+10MHz Channel Bandwidth
	

20+15MHz Channel Bandwidth	20+20MHz Channel Bandwidth
	

99% Bandwidth - 256QAM	
5+20MHz Channel Bandwidth	10+15MHz Channel Bandwidth
	
10+20MHz Channel Bandwidth	15+10MHz Channel Bandwidth
	
15+15MHz Channel Bandwidth	15+20MHz Channel Bandwidth
	
20+5MHz Channel Bandwidth	20+10MHz Channel Bandwidth
	

20+15MHz Channel Bandwidth	20+20MHz Channel Bandwidth
	

4.3. Equivalent Isotropically Radiated Power Measurement

4.3.1.Test Limit

Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

4.3.2.Test Procedures Used

ANSI C63.26-2015 - Section 5.2

4.3.3.Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation (1) as follows:

ERP or EIRP = P_{Meas} + G_T

where

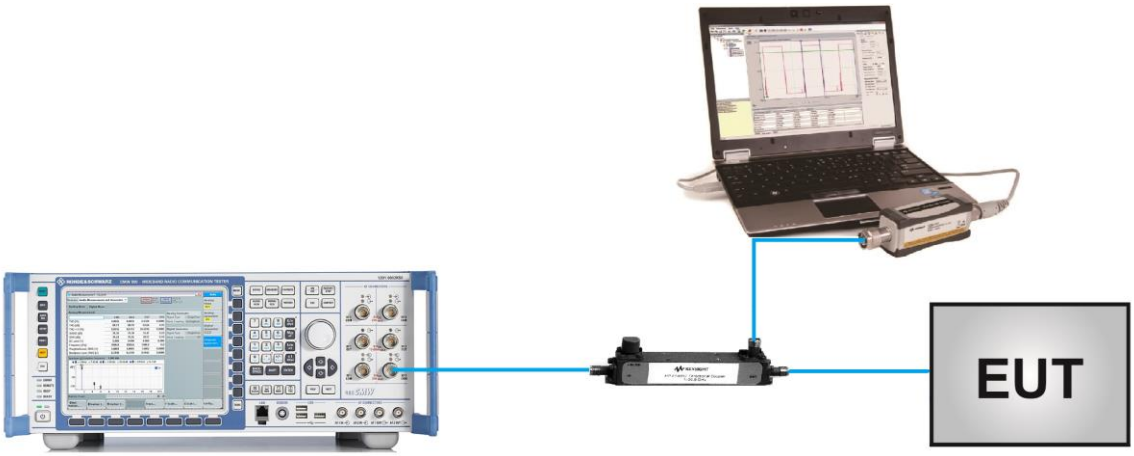
ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas}, e.g., dBm or dBW)

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)

ERP = EIRP -2.15

4.3.4.Test Setup



4.3.5.Test Result

Test Engineer	Larry Yan	Test Site	WZ-SR6
Test Band	Intra-Band CA_41C	Test Date	2022/01/22

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
QPSK							
2506.00	2523.10	20+15	P_1@0	S_1@74	15.39	20.49	< 33.01
2585.60	2602.70				15.53	20.63	< 33.01
2665.10	2682.20				15.62	20.72	< 33.01
2506.00	2523.10		P_1@49	S_0@0	22.70	27.80	< 33.01
2585.60	2602.70				23.02	28.12	< 33.01
2665.10	2682.20				22.98	28.08	< 33.01
2506.00	2523.10		P_1@99	S_1@0	23.51	28.61	< 33.01
2585.60	2602.70				23.69	28.79	< 33.01
2665.10	2682.20				23.67	28.77	< 33.01
2506.00	2523.10		P_100@0	S_75@0	21.25	26.35	< 33.01
2585.60	2602.70				22.01	27.11	< 33.01
2665.10	2682.20				21.78	26.88	< 33.01
2503.80	2520.90	15+20	P_1@0	S_1@99	15.40	20.50	< 33.01
2593.30	2600.40				15.60	20.70	< 33.01
2662.90	2680.00				15.39	20.49	< 33.01
2503.80	2520.90		P_1@38	S_0@0	22.70	27.80	< 33.01
2593.30	2600.40				23.21	28.31	< 33.01
2662.90	2680.00				23.10	28.20	< 33.01
2503.80	2520.90		P_1@74	S_1@0	23.58	28.68	< 33.01
2593.30	2600.40				23.31	28.41	< 33.01
2662.90	2680.00				23.58	28.68	< 33.01
2503.80	2520.90		P_75@0	S_100@0	21.79	26.89	< 33.01
2593.30	2600.40				22.02	27.12	< 33.01
2662.90	2680.00				21.77	26.87	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
QPSK							
2506.00	2520.40	20+10	P_1@0	S_1@49	15.36	20.46	< 33.01
2588.10	2602.50				15.56	20.66	< 33.01
2670.10	2684.50				15.46	20.56	< 33.01
2506.00	2520.40		P_1@49	S_0@0	22.82	27.92	< 33.01
2588.10	2602.50				23.01	28.11	< 33.01
2670.10	2684.50				22.78	27.88	< 33.01
2506.00	2520.40		P_1@99	S_1@0	23.66	28.76	< 33.01
2588.10	2602.50				23.83	28.93	< 33.01
2670.10	2684.50				23.75	28.85	< 33.01
2506.00	2520.40		P_100@0	S_50@0	21.73	26.83	< 33.01
2588.10	2602.50				21.96	27.06	< 33.01
2670.10	2684.50				21.77	26.87	< 33.01
2501.50	2515.90	10+20	P_1@0	S_1@99	15.33	20.43	< 33.01
2583.60	2598.00				15.36	20.46	< 33.01
2665.60	2680.00				15.42	20.52	< 33.01
2501.50	2515.90		P_1@25	S_0@0	22.72	27.82	< 33.01
2583.60	2598.00				23.11	28.21	< 33.01
2665.60	2680.00				22.98	28.08	< 33.01
2501.50	2515.90		P_1@49	S_1@0	23.55	28.65	< 33.01
2583.60	2598.00				23.06	28.16	< 33.01
2665.60	2680.00				23.35	28.45	< 33.01
2501.50	2515.90		P_50@0	S_100@0	21.95	27.05	< 33.01
2583.60	2598.00				22.08	27.18	< 33.01
2665.60	2680.00				21.86	26.96	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
QPSK							
2506.00	2517.70	20+5	P_1@0	S_1@24	15.29	20.39	< 33.01
2590.50	2602.20				15.58	20.68	< 33.01
2675.00	2686.70				15.36	20.46	< 33.01
2506.00	2517.70		P_1@49	S_0@0	22.79	27.89	< 33.01
2590.50	2602.20				23.07	28.17	< 33.01
2675.00	2686.70				22.85	27.95	< 33.01
2506.00	2517.70		P_1@99	S_1@0	23.52	28.62	< 33.01
2590.50	2602.20				23.86	28.96	< 33.01
2675.00	2686.70				23.09	28.19	< 33.01
2506.00	2517.70		P_100@	S_25@0	21.70	26.80	< 33.01
2590.50	2602.20				21.98	27.08	< 33.01
2675.00	2686.70				21.82	26.92	< 33.01
2499.30	2511.00	5+20	P_1@0	S_1@99	15.23	20.33	< 33.01
2583.80	2595.50				15.16	20.26	< 33.01
2668.30	2680.00				15.35	20.45	< 33.01
2499.30	2511.00		P_1@13	S_0@0	22.54	27.64	< 33.01
2583.80	2595.50				23.25	28.35	< 33.01
2668.30	2680.00				22.95	28.05	< 33.01
2499.30	2511.00		P_1@24	S_1@0	22.84	27.94	< 33.01
2583.80	2595.50				23.14	28.24	< 33.01
2668.30	2680.00				23.71	28.81	< 33.01
2499.30	2511.00		P_25@0	S_100@0	21.99	27.09	< 33.01
2583.80	2595.50				22.04	27.14	< 33.01
2668.30	2680.00				21.99	27.09	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
QPSK							
2501.30	2513.30	10+15	P_1@0	S_1@74	15.32	20.42	< 33.01
2585.90	2597.90				15.71	20.81	< 33.01
2670.50	2682.50				15.09	20.19	< 33.01
2501.30	2513.30		P_1@25	S_0@0	22.64	27.74	< 33.01
2585.90	2597.90				23.08	28.18	< 33.01
2670.50	2682.50				22.93	28.03	< 33.01
2501.30	2513.30		P_1@49	S_1@0	23.54	28.64	< 33.01
2585.90	2597.90				23.85	28.95	< 33.01
2670.50	2682.50				22.96	28.06	< 33.01
2501.30	2513.30		P_50@0	S_75@0	21.85	26.95	< 33.01
2585.90	2597.90				21.56	26.66	< 33.01
2670.50	2682.50				21.82	26.92	< 33.01
2503.50	2515.50	15+10	P_1@0	S_1@49	15.22	20.32	< 33.01
2588.10	2600.10				15.48	20.58	< 33.01
2672.70	2684.70				15.36	20.46	< 33.01
2503.50	2515.50		P_1@38	S_0@0	22.78	27.88	< 33.01
2588.10	2600.10				22.95	28.05	< 33.01
2672.70	2684.70				22.89	27.99	< 33.01
2503.50	2515.50		P_1@74	S_1@0	22.94	28.04	< 33.01
2588.10	2600.10				23.77	28.87	< 33.01
2672.70	2684.70				22.98	28.08	< 33.01
2503.50	2515.50		P_75@0	S_50@0	21.76	26.86	< 33.01
2588.10	2600.10				21.93	27.03	< 33.01
2672.70	2684.70				20.76	25.86	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
QPSK							
2506.00	2525.80	20+20	P_1@0	S_1@99	15.68	20.78	< 33.01
2583.10	2602.90				15.55	20.65	< 33.01
2660.20	2680.00				15.53	20.63	< 33.01
2506.00	2525.80		P_1@49	S_0@0	22.86	27.96	< 33.01
2583.10	2602.90				23.12	28.22	< 33.01
2660.20	2680.00				22.98	28.08	< 33.01
2506.00	2525.80		P_1@99	S_1@0	23.61	28.71	< 33.01
2583.10	2602.90				23.81	28.91	< 33.01
2660.20	2680.00				23.71	28.81	< 33.01
2506.00	2525.80		P_100@0	S_100@0	21.72	26.82	< 33.01
2583.10	2602.90				21.98	27.08	< 33.01
2660.20	2680.00				21.81	26.91	< 33.01
2503.50	2518.50	15+15	P_1@0	S_1@74	15.32	20.42	< 33.01
2585.50	2600.50				15.65	20.75	< 33.01
2667.50	2682.50				14.99	20.09	< 33.01
2503.50	2518.50		P_1@38	S_1@0	22.78	27.88	< 33.01
2585.50	2600.50				23.11	28.21	< 33.01
2667.50	2682.50				22.94	28.04	< 33.01
2503.50	2518.50		P_1@74	S_0@0	22.83	27.93	< 33.01
2585.50	2600.50				23.57	28.67	< 33.01
2667.50	2682.50				22.93	28.03	< 33.01
2503.50	2518.50		P_75@0	S_75@0	21.75	26.85	< 33.01
2585.50	2600.50				22.07	27.17	< 33.01
2667.50	2682.50				21.86	26.96	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
16QAM							
2506.00	2523.10	20+15	P_1@0	S_1@74	15.56	20.66	< 33.01
2585.60	2602.70				15.86	20.96	< 33.01
2665.10	2682.20				15.48	20.58	< 33.01
2506.00	2523.10		P_1@49	S_0@0	21.86	26.96	< 33.01
2585.60	2602.70				22.33	27.43	< 33.01
2665.10	2682.20				22.05	27.15	< 33.01
2506.00	2523.10		P_1@99	S_1@0	22.76	27.86	< 33.01
2585.60	2602.70				23.01	28.11	< 33.01
2665.10	2682.20				22.89	27.99	< 33.01
2506.00	2523.10		P_100@0	S_75@0	20.73	25.83	< 33.01
2585.60	2602.70				20.99	26.09	< 33.01
2665.10	2682.20				20.83	25.93	< 33.01
2503.80	2520.90	15+20	P_1@0	S_1@99	15.58	20.68	< 33.01
2593.30	2600.40				15.36	20.46	< 33.01
2662.90	2680.00				15.38	20.48	< 33.01
2503.80	2520.90		P_1@38	S_0@0	22.16	27.26	< 33.01
2593.30	2600.40				22.51	27.61	< 33.01
2662.90	2680.00				22.26	27.36	< 33.01
2503.80	2520.90		P_1@74	S_1@0	22.82	27.92	< 33.01
2593.30	2600.40				22.43	27.53	< 33.01
2662.90	2680.00				22.51	27.61	< 33.01
2503.80	2520.90		P_75@0	S_100@0	20.83	25.93	< 33.01
2593.30	2600.40				21.11	26.21	< 33.01
2662.90	2680.00				20.79	25.89	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
16QAM							
2506.00	2520.40	20+10	P_1@0	S_1@49	15.66	20.76	< 33.01
2588.10	2602.50				15.83	20.93	< 33.01
2670.10	2684.50				15.43	20.53	< 33.01
2506.00	2520.40		P_1@49	S_0@0	22.16	27.26	< 33.01
2588.10	2602.50				22.38	27.48	< 33.01
2670.10	2684.50				21.93	27.03	< 33.01
2506.00	2520.40		P_1@99	S_1@0	23.28	28.38	< 33.01
2588.10	2602.50				23.11	28.21	< 33.01
2670.10	2684.50				23.18	28.28	< 33.01
2506.00	2520.40		P_100@0	S_50@0	20.79	25.89	< 33.01
2588.10	2602.50				21.06	26.16	< 33.01
2670.10	2684.50				20.82	25.92	< 33.01
2501.50	2515.90	10+20	P_1@0	S_1@99	15.70	20.80	< 33.01
2583.60	2598.00				15.54	20.64	< 33.01
2665.60	2680.00				15.45	20.55	< 33.01
2501.50	2515.90		P_1@25	S_0@0	22.06	27.16	< 33.01
2583.60	2598.00				22.42	27.52	< 33.01
2665.60	2680.00				22.36	27.46	< 33.01
2501.50	2515.90		P_1@49	S_1@0	22.78	27.88	< 33.01
2583.60	2598.00				22.56	27.66	< 33.01
2665.60	2680.00				22.98	28.08	< 33.01
2501.50	2515.90		P_50@0	S_100@0	20.73	25.83	< 33.01
2583.60	2598.00				21.09	26.19	< 33.01
2665.60	2680.00				20.91	26.01	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
16QAM							
2506.00	2517.70	20+5	P_1@0	S_1@24	15.43	20.53	< 33.01
2590.50	2602.20				15.72	20.82	< 33.01
2675.00	2686.70				15.68	20.78	< 33.01
2506.00	2517.70		P_1@49	S_0@0	21.97	27.07	< 33.01
2590.50	2602.20				22.53	27.63	< 33.01
2675.00	2686.70				22.15	27.25	< 33.01
2506.00	2517.70		P_1@99	S_1@0	22.59	27.69	< 33.01
2590.50	2602.20				23.02	28.12	< 33.01
2675.00	2686.70				22.35	27.45	< 33.01
2506.00	2517.70		P_100@	S_25@0	20.86	25.96	< 33.01
2590.50	2602.20				21.03	26.13	< 33.01
2675.00	2686.70				20.81	25.91	< 33.01
2499.30	2511.00	5+20	P_1@0	S_1@99	15.06	20.16	< 33.01
2583.80	2595.50				15.38	20.48	< 33.01
2668.30	2680.00				15.71	20.81	< 33.01
2499.30	2511.00		P_1@13	S_0@0	22.13	27.23	< 33.01
2583.80	2595.50				22.55	27.65	< 33.01
2668.30	2680.00				22.38	27.48	< 33.01
2499.30	2511.00		P_1@24	S_1@0	22.13	27.23	< 33.01
2583.80	2595.50				22.46	27.56	< 33.01
2668.30	2680.00				22.98	28.08	< 33.01
2499.30	2511.00		P_25@0	S_100@0	20.80	25.90	< 33.01
2583.80	2595.50				21.11	26.21	< 33.01
2668.30	2680.00				20.89	25.99	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
16QAM							
2501.30	2513.30	10+15	P_1@0	S_1@74	15.29	20.39	< 33.01
2585.90	2597.90				15.78	20.88	< 33.01
2670.50	2682.50				15.23	20.33	< 33.01
2501.30	2513.30		P_1@25	S_0@0	22.12	27.22	< 33.01
2585.90	2597.90				22.57	27.67	< 33.01
2670.50	2682.50				22.14	27.24	< 33.01
2501.30	2513.30		P_1@49	S_1@0	22.56	27.66	< 33.01
2585.90	2597.90				23.13	28.23	< 33.01
2670.50	2682.50				22.22	27.32	< 33.01
2501.30	2513.30		P_50@0	S_75@0	20.76	25.86	< 33.01
2585.90	2597.90				21.03	26.13	< 33.01
2670.50	2682.50				20.83	25.93	< 33.01
2503.50	2515.50	15+10	P_1@0	S_1@49	15.30	20.40	< 33.01
2588.10	2600.10				15.72	20.82	< 33.01
2672.70	2684.70				15.29	20.39	< 33.01
2503.50	2515.50		P_1@38	S_0@0	22.05	27.15	< 33.01
2588.10	2600.10				22.16	27.26	< 33.01
2672.70	2684.70				22.06	27.16	< 33.01
2503.50	2515.50		P_1@74	S_1@0	22.15	27.25	< 33.01
2588.10	2600.10				23.02	28.12	< 33.01
2672.70	2684.70				22.12	27.22	< 33.01
2503.50	2515.50		P_75@0	S_50@0	20.76	25.86	< 33.01
2588.10	2600.10				20.95	26.05	< 33.01
2672.70	2684.70				20.75	25.85	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
16QAM							
2506.00	2525.80	20+20	P_1@0	S_1@99	15.52	20.62	< 33.01
2583.10	2602.90				15.63	20.73	< 33.01
2660.20	2680.00				15.58	20.68	< 33.01
2506.00	2525.80		P_1@49	S_0@0	22.07	27.17	< 33.01
2583.10	2602.90				22.35	27.45	< 33.01
2660.20	2680.00				22.35	27.45	< 33.01
2506.00	2525.80		P_1@99	S_1@0	22.80	27.90	< 33.01
2583.10	2602.90				22.95	28.05	< 33.01
2660.20	2680.00				22.91	28.01	< 33.01
2506.00	2525.80		P_100@0	S_100@0	20.87	25.97	< 33.01
2583.10	2602.90				21.25	26.35	< 33.01
2660.20	2680.00				20.89	25.99	< 33.01
2503.50	2518.50	15+15	P_1@0	S_1@74	15.06	20.16	< 33.01
2585.50	2600.50				15.68	20.78	< 33.01
2667.50	2682.50				15.06	20.16	< 33.01
2503.50	2518.50		P_1@38	S_1@0	22.04	27.14	< 33.01
2585.50	2600.50				22.66	27.76	< 33.01
2667.50	2682.50				21.99	27.09	< 33.01
2503.50	2518.50		P_1@74	S_0@0	22.23	27.33	< 33.01
2585.50	2600.50				23.22	28.32	< 33.01
2667.50	2682.50				22.16	27.26	< 33.01
2503.50	2518.50		P_75@0	S_75@0	20.79	25.89	< 33.01
2585.50	2600.50				21.09	26.19	< 33.01
2667.50	2682.50				20.80	25.90	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
64QAM							
2506.00	2523.10	20+15	P_1@0	S_1@74	15.62	20.72	< 33.01
2585.60	2602.70				15.82	20.92	< 33.01
2665.10	2682.20				15.70	20.80	< 33.01
2506.00	2523.10		P_1@49	S_0@0	20.74	25.84	< 33.01
2585.60	2602.70				21.33	26.43	< 33.01
2665.10	2682.20				21.43	26.53	< 33.01
2506.00	2523.10		P_1@99	S_1@0	21.06	26.16	< 33.01
2585.60	2602.70				23.38	28.48	< 33.01
2665.10	2682.20				22.01	27.11	< 33.01
2506.00	2523.10		P_100@0	S_75@0	20.72	25.82	< 33.01
2585.60	2602.70				20.62	25.72	< 33.01
2665.10	2682.20				20.85	25.95	< 33.01
2503.80	2520.90	15+20	P_1@0	S_1@99	15.81	20.91	< 33.01
2593.30	2600.40				15.35	20.45	< 33.01
2662.90	2680.00				15.66	20.76	< 33.01
2503.80	2520.90		P_1@38	S_0@0	21.25	26.35	< 33.01
2593.30	2600.40				21.52	26.62	< 33.01
2662.90	2680.00				21.29	26.39	< 33.01
2503.80	2520.90		P_1@74	S_1@0	22.01	27.11	< 33.01
2593.30	2600.40				21.59	26.69	< 33.01
2662.90	2680.00				21.89	26.99	< 33.01
2503.80	2520.90		P_75@0	S_100@0	20.69	25.79	< 33.01
2593.30	2600.40				21.06	26.16	< 33.01
2662.90	2680.00				20.80	25.90	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
64QAM							
2506.00	2520.40	20+10	P_1@0	S_1@49	15.70	20.80	< 33.01
2588.10	2602.50				15.92	21.02	< 33.01
2670.10	2684.50				15.61	20.71	< 33.01
2506.00	2520.40		P_1@49	S_0@0	20.68	25.78	< 33.01
2588.10	2602.50				21.20	26.30	< 33.01
2670.10	2684.50				21.06	26.16	< 33.01
2506.00	2520.40		P_1@99	S_1@0	21.52	26.62	< 33.01
2588.10	2602.50				22.01	27.11	< 33.01
2670.10	2684.50				22.02	27.12	< 33.01
2506.00	2520.40		P_100@0	S_50@0	20.73	25.83	< 33.01
2588.10	2602.50				20.98	26.08	< 33.01
2670.10	2684.50				20.73	25.83	< 33.01
2501.50	2515.90	10+20	P_1@0	S_1@99	15.62	20.72	< 33.01
2583.60	2598.00				15.25	20.35	< 33.01
2665.60	2680.00				15.43	20.53	< 33.01
2501.50	2515.90		P_1@25	S_0@0	21.32	26.42	< 33.01
2583.60	2598.00				21.35	26.45	< 33.01
2665.60	2680.00				21.24	26.34	< 33.01
2501.50	2515.90		P_1@49	S_1@0	21.86	26.96	< 33.01
2583.60	2598.00				21.59	26.69	< 33.01
2665.60	2680.00				22.26	27.36	< 33.01
2501.50	2515.90		P_50@0	S_100@0	20.78	25.88	< 33.01
2583.60	2598.00				21.23	26.33	< 33.01
2665.60	2680.00				20.89	25.99	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
64QAM							
2506.00	2517.70	20+5	P_1@0	S_1@24	15.67	20.77	< 33.01
2590.50	2602.20				16.01	21.11	< 33.01
2675.00	2686.70				15.58	20.68	< 33.01
2506.00	2517.70		P_1@49	S_0@0	21.15	26.25	< 33.01
2590.50	2602.20				21.53	26.63	< 33.01
2675.00	2686.70				21.32	26.42	< 33.01
2506.00	2517.70		P_1@99	S_1@0	21.81	26.91	< 33.01
2590.50	2602.20				22.15	27.25	< 33.01
2675.00	2686.70				21.64	26.74	< 33.01
2506.00	2517.70		P_100@	S_25@0	20.76	25.86	< 33.01
2590.50	2602.20				21.01	26.11	< 33.01
2675.00	2686.70				20.84	25.94	< 33.01
2499.30	2511.00	5+20	P_1@0	S_1@99	15.23	20.33	< 33.01
2583.80	2595.50				15.43	20.53	< 33.01
2668.30	2680.00				15.57	20.67	< 33.01
2499.30	2511.00		P_1@13	S_0@0	21.26	26.36	< 33.01
2583.80	2595.50				21.59	26.69	< 33.01
2668.30	2680.00				21.35	26.45	< 33.01
2499.30	2511.00		P_1@24	S_1@0	21.18	26.28	< 33.01
2583.80	2595.50				21.52	26.62	< 33.01
2668.30	2680.00				22.18	27.28	< 33.01
2499.30	2511.00		P_25@0	S_100@0	20.76	25.86	< 33.01
2583.80	2595.50				21.09	26.19	< 33.01
2668.30	2680.00				20.86	25.96	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
64QAM							
2501.30	2513.30	10+15	P_1@0	S_1@74	15.68	20.78	< 33.01
2585.90	2597.90				15.88	20.98	< 33.01
2670.50	2682.50				15.36	20.46	< 33.01
2501.30	2513.30		P_1@25	S_0@0	21.20	26.30	< 33.01
2585.90	2597.90				21.32	26.42	< 33.01
2670.50	2682.50				21.25	26.35	< 33.01
2501.30	2513.30		P_1@49	S_1@0	21.85	26.95	< 33.01
2585.90	2597.90				22.09	27.19	< 33.01
2670.50	2682.50				21.44	26.54	< 33.01
2501.30	2513.30		P_50@0	S_75@0	20.71	25.81	< 33.01
2585.90	2597.90				21.01	26.11	< 33.01
2670.50	2682.50				20.83	25.93	< 33.01
2503.50	2515.50	15+10	P_1@0	S_1@49	15.44	20.54	< 33.01
2588.10	2600.10				15.84	20.94	< 33.01
2672.70	2684.70				15.31	20.41	< 33.01
2503.50	2515.50		P_1@38	S_0@0	21.02	26.12	< 33.01
2588.10	2600.10				21.34	26.44	< 33.01
2672.70	2684.70				21.23	26.33	< 33.01
2503.50	2515.50		P_1@74	S_1@0	21.28	26.38	< 33.01
2588.10	2600.10				22.20	27.30	< 33.01
2672.70	2684.70				21.38	26.48	< 33.01
2503.50	2515.50		P_75@0	S_50@0	20.78	25.88	< 33.01
2588.10	2600.10				20.99	26.09	< 33.01
2672.70	2684.70				20.77	25.87	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
64QAM							
2506.00	2525.80	20+20	P_1@0	S_1@99	15.51	20.61	< 33.01
2583.10	2602.90				15.92	21.02	< 33.01
2660.20	2680.00				15.69	20.79	< 33.01
2506.00	2525.80		P_1@49	S_0@0	21.18	26.28	< 33.01
2583.10	2602.90				22.02	27.12	< 33.01
2660.20	2680.00				21.48	26.58	< 33.01
2506.00	2525.80		P_1@99	S_1@0	22.09	27.19	< 33.01
2583.10	2602.90				21.58	26.68	< 33.01
2660.20	2680.00				21.89	26.99	< 33.01
2506.00	2525.80		P_100@0	S_100@0	20.75	25.85	< 33.01
2583.10	2602.90				21.04	26.14	< 33.01
2660.20	2680.00				20.82	25.92	< 33.01
2503.50	2518.50	15+15	P_1@0	S_1@74	15.20	20.30	< 33.01
2585.50	2600.50				15.73	20.83	< 33.01
2667.50	2682.50				15.26	20.36	< 33.01
2503.50	2518.50		P_1@38	S_1@0	21.07	26.17	< 33.01
2585.50	2600.50				21.52	26.62	< 33.01
2667.50	2682.50				21.22	26.32	< 33.01
2503.50	2518.50		P_1@74	S_0@0	21.12	26.22	< 33.01
2585.50	2600.50				22.19	27.29	< 33.01
2667.50	2682.50				21.43	26.53	< 33.01
2503.50	2518.50		P_75@0	S_75@0	20.81	25.91	< 33.01
2585.50	2600.50				21.08	26.18	< 33.01
2667.50	2682.50				20.89	25.99	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
256QAM							
2506.00	2523.10	20+15	P_1@0	S_1@74	15.46	20.56	< 33.01
2585.60	2602.70				15.62	20.72	< 33.01
2665.10	2682.20				15.21	20.31	< 33.01
2506.00	2523.10		P_1@49	S_0@0	18.39	23.49	< 33.01
2585.60	2602.70				16.21	21.31	< 33.01
2665.10	2682.20				15.25	20.35	< 33.01
2506.00	2523.10		P_1@99	S_1@0	18.89	23.99	< 33.01
2585.60	2602.70				19.11	24.21	< 33.01
2665.10	2682.20				19.06	24.16	< 33.01
2506.00	2523.10		P_100@0	S_75@0	18.73	23.83	< 33.01
2585.60	2602.70				18.65	23.75	< 33.01
2665.10	2682.20				18.65	23.75	< 33.01
2503.80	2520.90	15+20	P_1@0	S_1@99	15.52	20.62	< 33.01
2593.30	2600.40				15.93	21.03	< 33.01
2662.90	2680.00				15.13	20.23	< 33.01
2503.80	2520.90		P_1@38	S_0@0	18.28	23.38	< 33.01
2593.30	2600.40				17.63	22.73	< 33.01
2662.90	2680.00				18.13	23.23	< 33.01
2503.80	2520.90		P_1@74	S_1@0	18.95	24.05	< 33.01
2593.30	2600.40				19.11	24.21	< 33.01
2662.90	2680.00				18.90	24.00	< 33.01
2503.80	2520.90		P_75@0	S_100@0	18.90	24.00	< 33.01
2593.30	2600.40				19.05	24.15	< 33.01
2662.90	2680.00				18.84	23.94	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
256QAM							
2506.00	2520.40	20+10	P_1@0	S_1@49	15.52	20.62	< 33.01
2588.10	2602.50				15.43	20.53	< 33.01
2670.10	2684.50				15.03	20.13	< 33.01
2506.00	2520.40		P_1@49	S_0@0	18.59	23.69	< 33.01
2588.10	2602.50				18.31	23.41	< 33.01
2670.10	2684.50				16.57	21.67	< 33.01
2506.00	2520.40		P_1@99	S_1@0	18.53	23.63	< 33.01
2588.10	2602.50				19.14	24.24	< 33.01
2670.10	2684.50				19.01	24.11	< 33.01
2506.00	2520.40		P_100@0	S_50@0	18.82	23.92	< 33.01
2588.10	2602.50				18.98	24.08	< 33.01
2670.10	2684.50				18.81	23.91	< 33.01
2501.50	2515.90	10+20	P_1@0	S_1@99	15.55	20.65	< 33.01
2583.60	2598.00				15.92	21.02	< 33.01
2665.60	2680.00				14.69	19.79	< 33.01
2501.50	2515.90		P_1@25	S_0@0	18.32	23.42	< 33.01
2583.60	2598.00				16.85	21.95	< 33.01
2665.60	2680.00				17.32	22.42	< 33.01
2501.50	2515.90		P_1@49	S_1@0	18.92	24.02	< 33.01
2583.60	2598.00				19.05	24.15	< 33.01
2665.60	2680.00				18.90	24.00	< 33.01
2501.50	2515.90		P_50@0	S_100@0	18.80	23.90	< 33.01
2583.60	2598.00				19.02	24.12	< 33.01
2665.60	2680.00				18.98	24.08	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
256QAM							
2506.00	2517.70	20+5	P_1@0	S_1@24	15.52	20.62	< 33.01
2590.50	2602.20				15.88	20.98	< 33.01
2675.00	2686.70				15.64	20.74	< 33.01
2506.00	2517.70		P_1@49	S_0@0	18.95	24.05	< 33.01
2590.50	2602.20				18.56	23.66	< 33.01
2675.00	2686.70				18.25	23.35	< 33.01
2506.00	2517.70		P_1@99	S_1@0	18.75	23.85	< 33.01
2590.50	2602.20				19.24	24.34	< 33.01
2675.00	2686.70				18.96	24.06	< 33.01
2506.00	2517.70		P_100@	S_25@0	18.68	23.78	< 33.01
2590.50	2602.20				18.99	24.09	< 33.01
2675.00	2686.70				18.83	23.93	< 33.01
2499.30	2511.00	5+20	P_1@0	S_1@99	15.23	20.33	< 33.01
2583.80	2595.50				15.86	20.96	< 33.01
2668.30	2680.00				15.23	20.33	< 33.01
2499.30	2511.00		P_1@13	S_0@0	18.65	23.75	< 33.01
2583.80	2595.50				18.86	23.96	< 33.01
2668.30	2680.00				18.53	23.63	< 33.01
2499.30	2511.00		P_1@24	S_1@0	18.35	23.45	< 33.01
2583.80	2595.50				19.28	24.38	< 33.01
2668.30	2680.00				18.34	23.44	< 33.01
2499.30	2511.00		P_25@0	S_100@0	18.82	23.92	< 33.01
2583.80	2595.50				19.07	24.17	< 33.01
2668.30	2680.00				18.36	23.46	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
256QAM							
2501.30	2513.30	10+15	P_1@0	S_1@74	15.54	20.64	< 33.01
2585.90	2597.90				15.91	21.01	< 33.01
2670.50	2682.50				15.88	20.98	< 33.01
2501.30	2513.30		P_1@25	S_0@0	18.25	23.35	< 33.01
2585.90	2597.90				18.52	23.62	< 33.01
2670.50	2682.50				18.36	23.46	< 33.01
2501.30	2513.30		P_1@49	S_1@0	19.01	24.11	< 33.01
2585.90	2597.90				19.12	24.22	< 33.01
2670.50	2682.50				18.97	24.07	< 33.01
2501.30	2513.30		P_50@0	S_75@0	18.75	23.85	< 33.01
2585.90	2597.90				18.99	24.09	< 33.01
2670.50	2682.50				18.84	23.94	< 33.01
2503.50	2515.50	15+10	P_1@0	S_1@49	15.69	20.79	< 33.01
2588.10	2600.10				15.77	20.87	< 33.01
2672.70	2684.70				15.01	20.11	< 33.01
2503.50	2515.50		P_1@38	S_0@0	18.20	23.30	< 33.01
2588.10	2600.10				18.20	23.30	< 33.01
2672.70	2684.70				18.42	23.52	< 33.01
2503.50	2515.50		P_1@74	S_1@0	18.95	24.05	< 33.01
2588.10	2600.10				19.06	24.16	< 33.01
2672.70	2684.70				18.99	24.09	< 33.01
2503.50	2515.50		P_75@0	S_50@0	18.72	23.82	< 33.01
2588.10	2600.10				18.92	24.02	< 33.01
2672.70	2684.70				18.77	23.87	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

Frequency (MHz)		Channel Bandwidth (MHz)	PCC RB	SCC RB	Output Power (dBm)	EIRP (dBm)	Limit (dBm)
PCC	SCC						
256QAM							
2506.00	2525.80	20+20	P_1@0	S_1@99	15.52	20.62	< 33.01
2583.10	2602.90				15.81	20.91	< 33.01
2660.20	2680.00				15.25	20.35	< 33.01
2506.00	2525.80		P_1@49	S_0@0	16.02	21.12	< 33.01
2583.10	2602.90				15.96	21.06	< 33.01
2660.20	2680.00				15.35	20.45	< 33.01
2506.00	2525.80		P_1@99	S_1@0	18.89	23.99	< 33.01
2583.10	2602.90				19.02	24.12	< 33.01
2660.20	2680.00				19.05	24.15	< 33.01
2506.00	2525.80		P_100@0	S_100@0	18.89	23.99	< 33.01
2583.10	2602.90				19.03	24.13	< 33.01
2660.20	2680.00				18.96	24.06	< 33.01
2503.50	2518.50	15+15	P_1@0	S_1@74	15.69	20.79	< 33.01
2585.50	2600.50				15.56	20.66	< 33.01
2667.50	2682.50				15.06	20.16	< 33.01
2503.50	2518.50		P_1@38	S_1@0	18.39	23.49	< 33.01
2585.50	2600.50				18.67	23.77	< 33.01
2667.50	2682.50				18.52	23.62	< 33.01
2503.50	2518.50		P_1@74	S_0@0	18.88	23.98	< 33.01
2585.50	2600.50				19.62	24.72	< 33.01
2667.50	2682.50				18.92	24.02	< 33.01
2503.50	2518.50		P_75@0	S_75@0	18.79	23.89	< 33.01
2585.50	2600.50				19.02	24.12	< 33.01
2667.50	2682.50				18.84	23.94	< 33.01
Note: The EIRP (dBm) = Output Power (dBm) + Antenna Gain (dBi)							

4.4. Band Edge Measurement

4.4.1.Test Limit

27.53(m)(4)

For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

4.4.2.Test Procedure Used

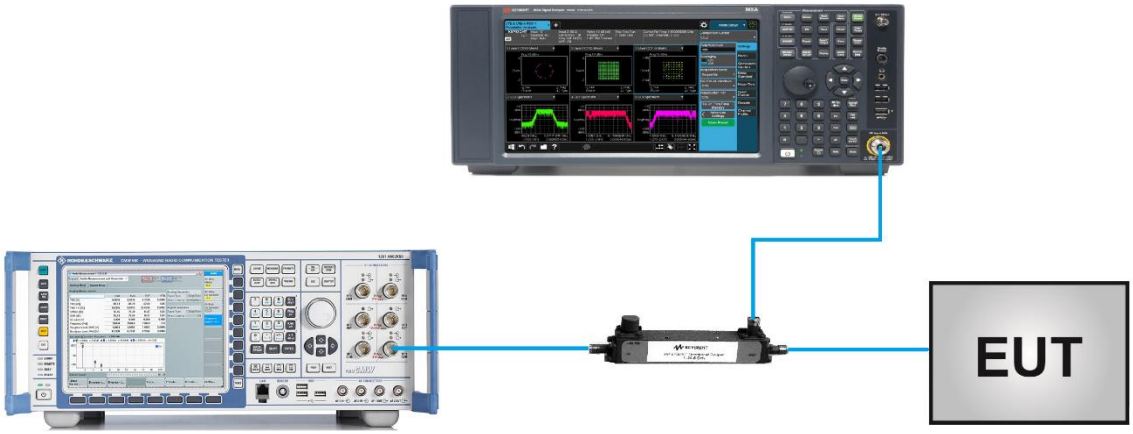
ANSI C63.26-2015 - Section 5.7

4.4.3.Test Setting

1. Set the analyzer frequency to low or high channel
2. RBW ≥ The nominal RBW shall be in the range of 1% of the anticipated OBW (in the 1MHz band immediately outside and adjacent to the band edge). For improvement of the accuracy in the measurement of the average power of a noise-like emission, a RBW narrower than the specified reference bandwidth can be used (generally limited to no less than 1% of the OBW), provided that a subsequent integration is performed over the full required measurement bandwidth. This integration should be performed using the spectrum analyzer's band power functions.
3. VBW ≥ 3*RBW
4. Sweep time = auto
5. Detector = power averaging (rms)
6. Set sweep trigger to "free run."
7. User gate triggered such that the analyzer only sweeps when the device is transmitting at full power
8. Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple.

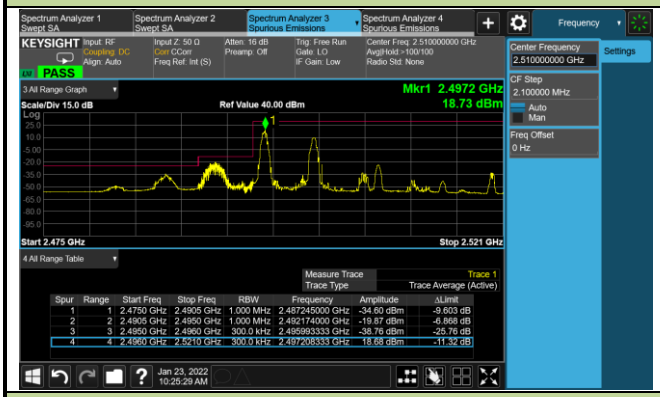
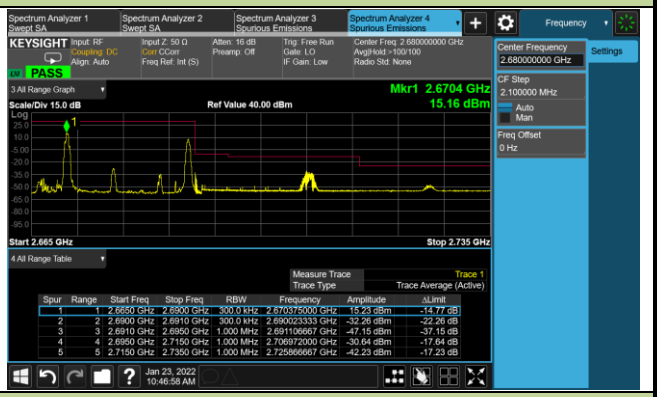
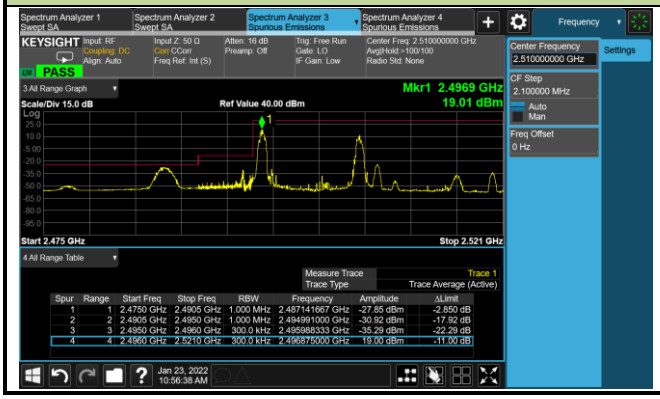
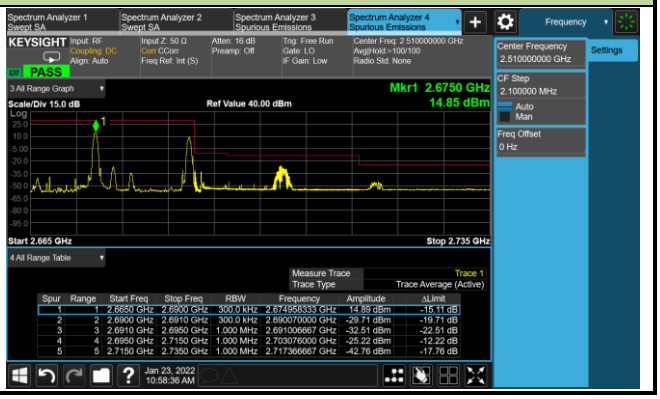
To accurately determine the average power over the on and off time of the transmitter, it can be necessary to increase the number of traces to be averaged above 100, or if using a manually configured sweep time, increase the sweep time.

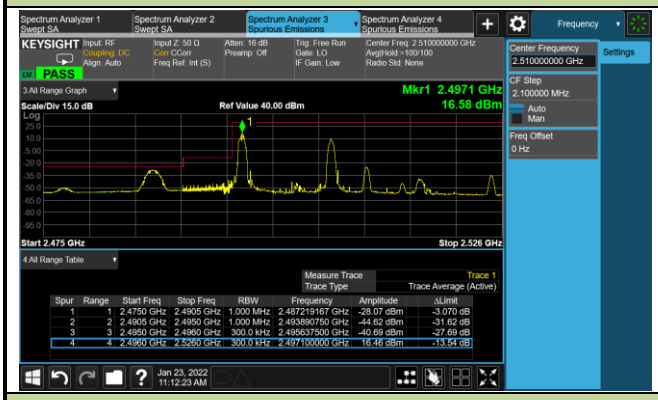
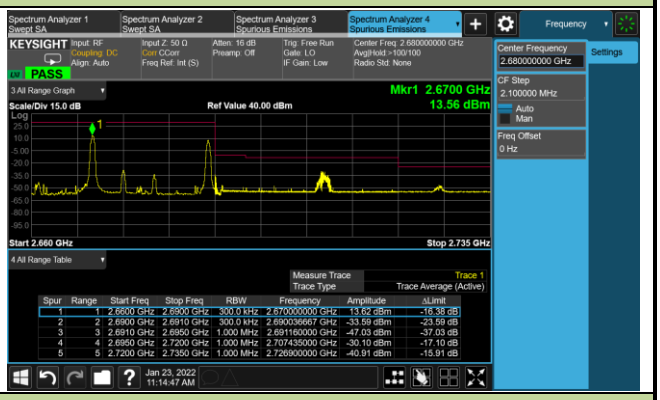
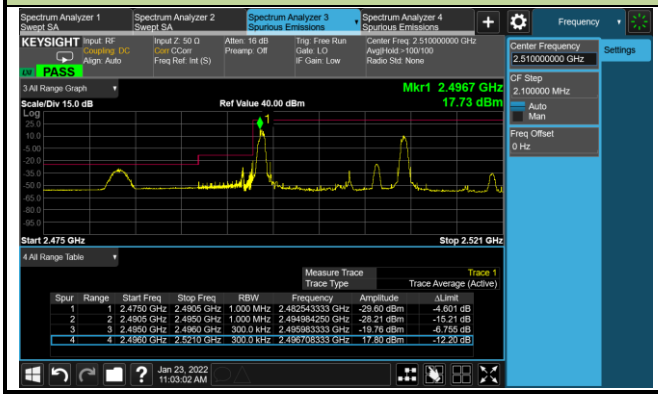
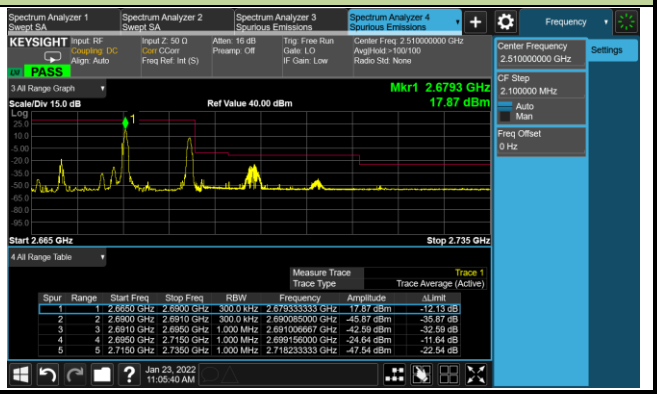
4.4.4.Test Setup

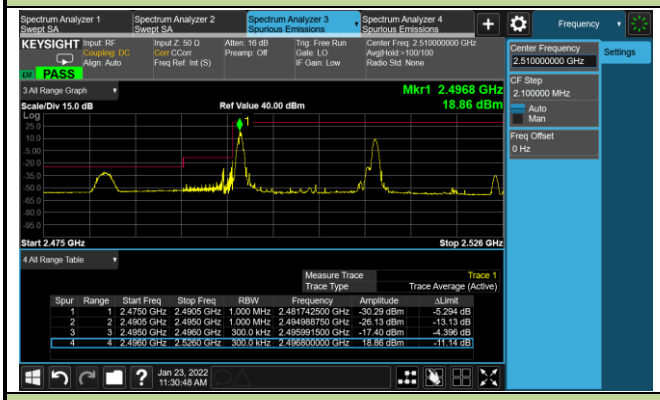
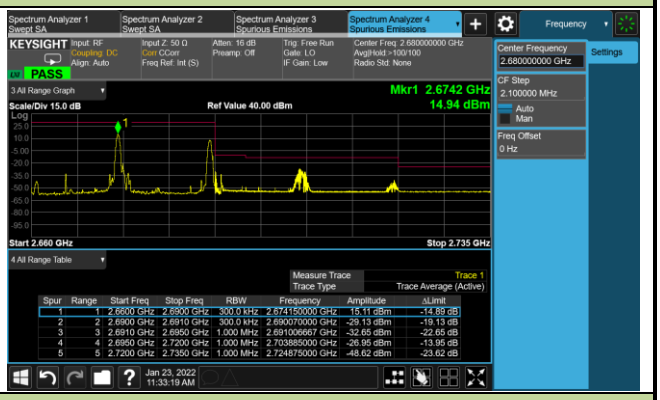
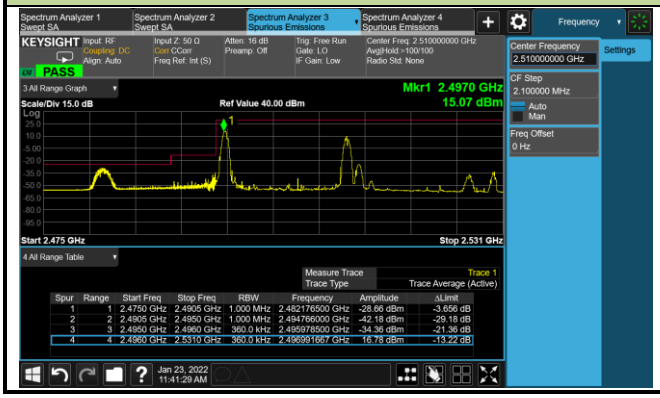
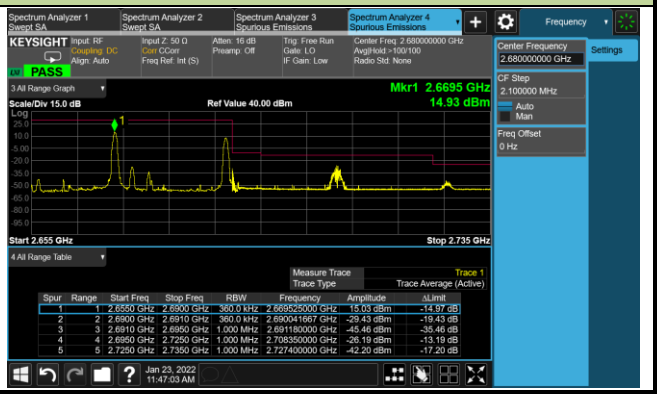


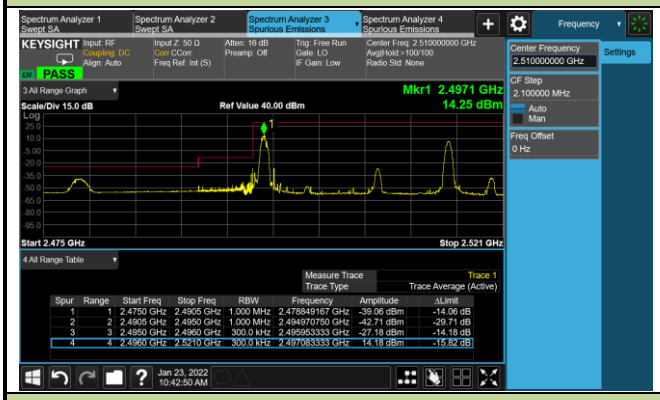
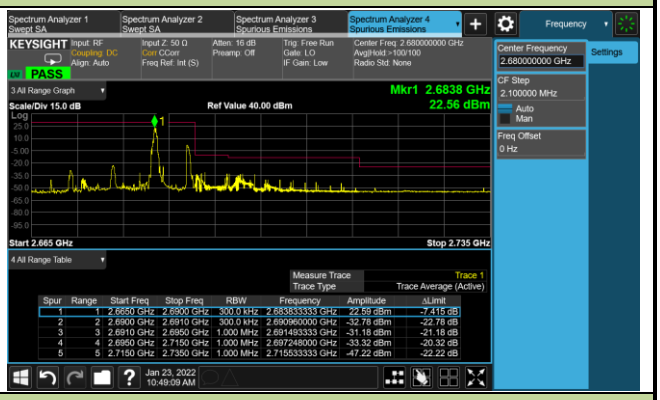
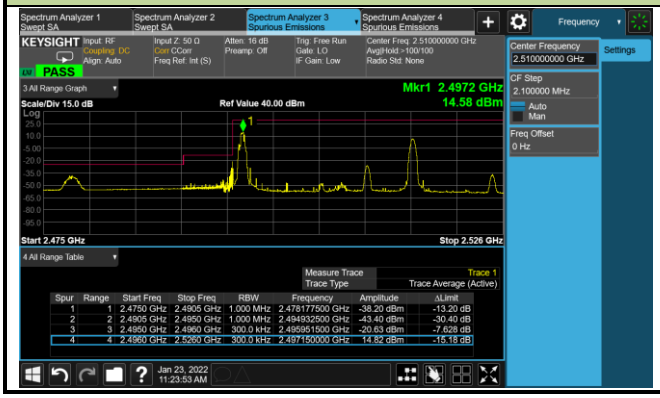
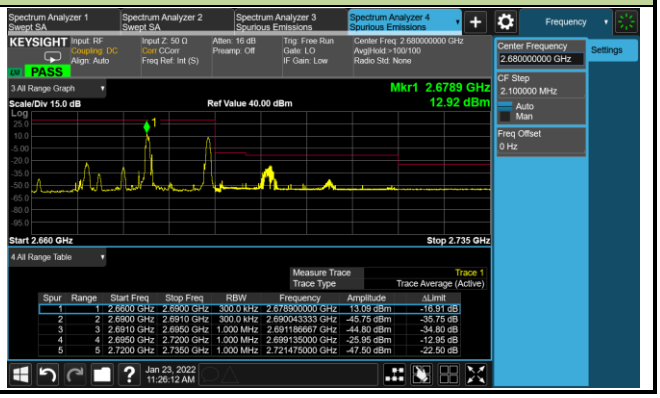
4.4.5.Test Result

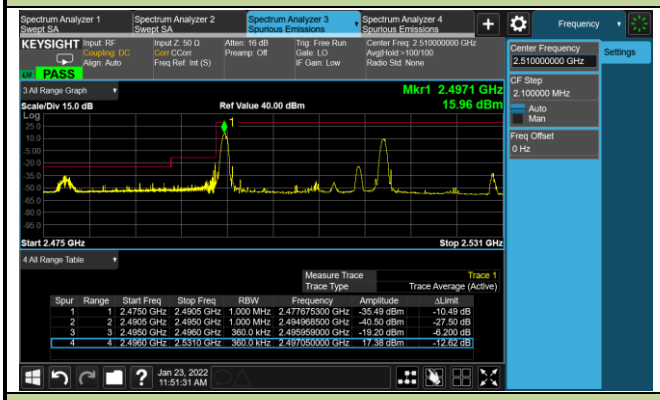
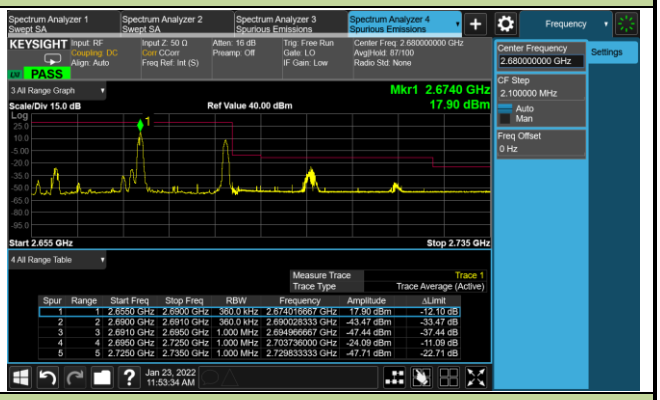
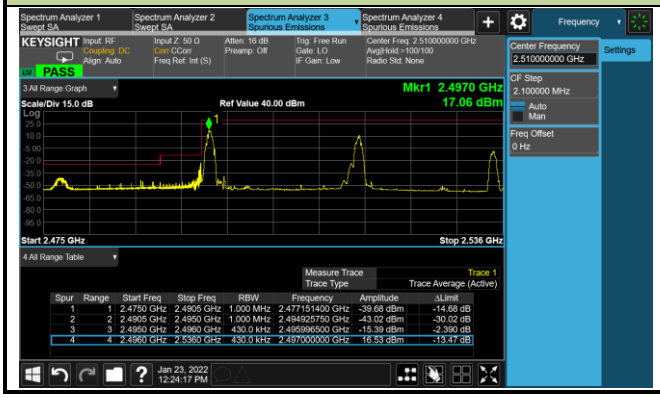
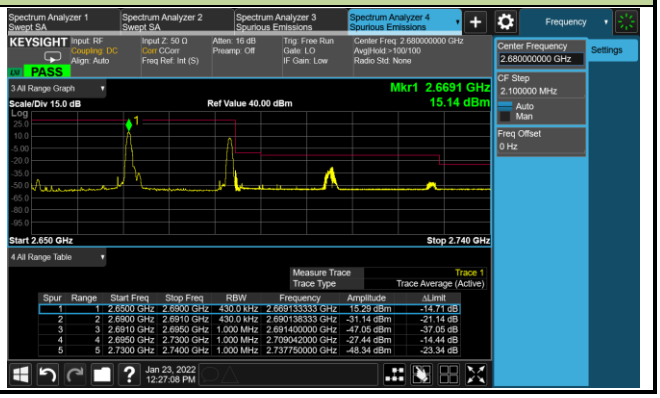
Test Engineer	Cloud Guo	Test Site	WZ-SR6
Test Band	Intra-Band CA_41C	Test Date	2022/01/23

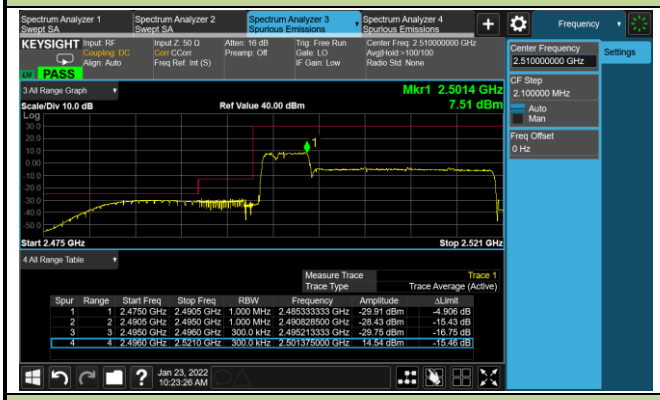
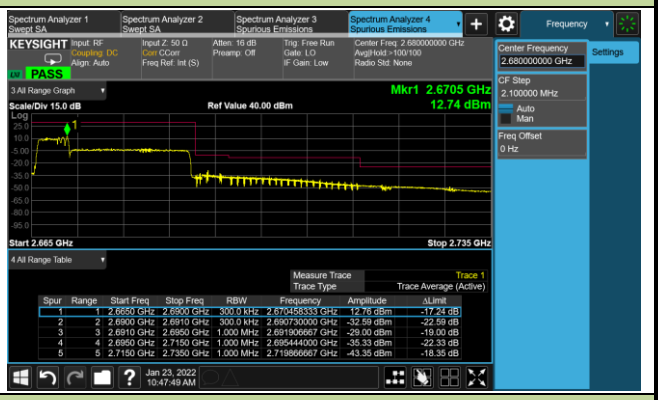
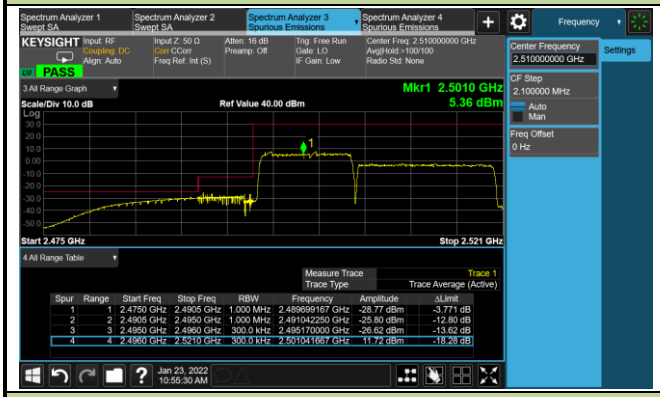
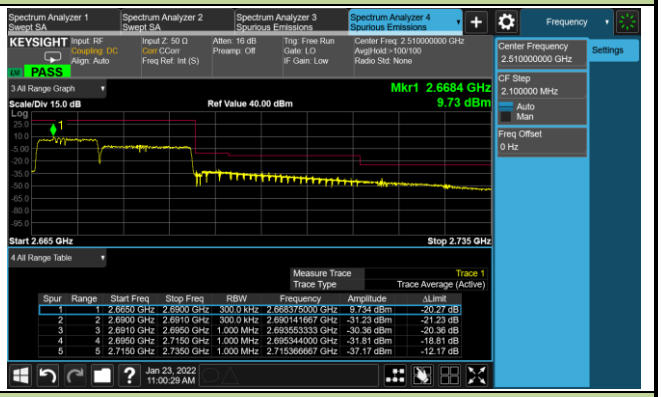
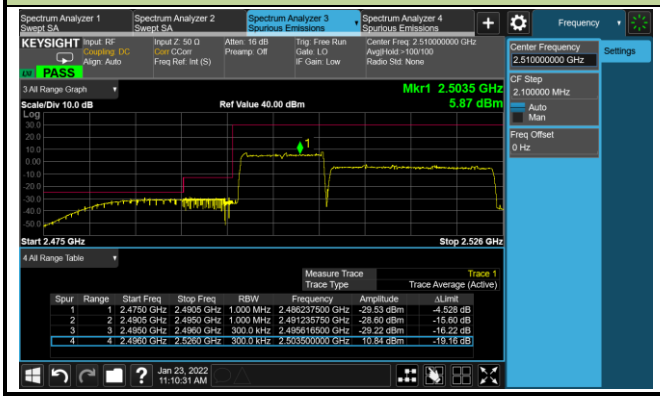
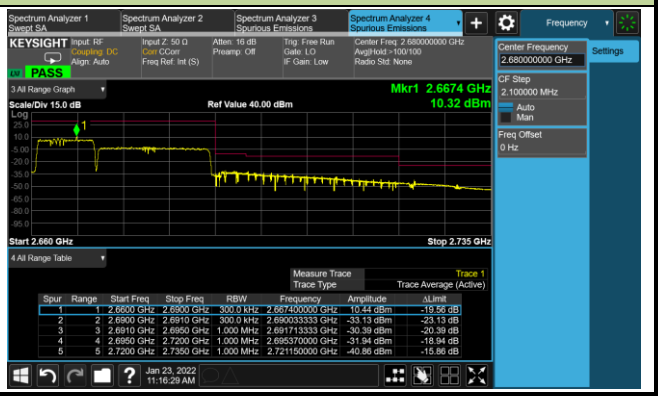
5+20MHz Channel Bandwidth	
Lower Band Edge RB = 0 & 0	Upper Band Edge RB = 24 & 99
	
10+15MHz Channel Bandwidth	
Lower Band Edge RB = 0 & 0	Upper Band Edge RB = 49 & 74
	

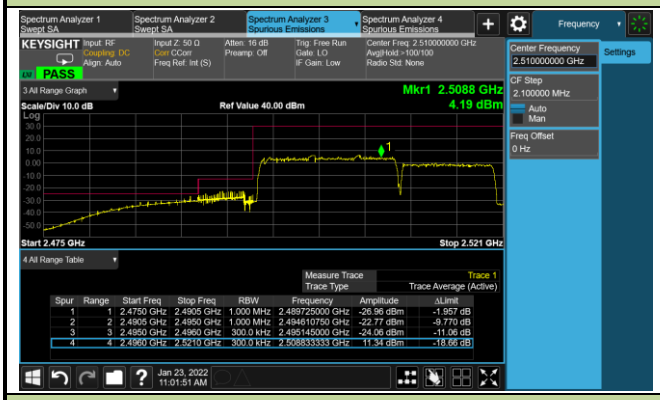
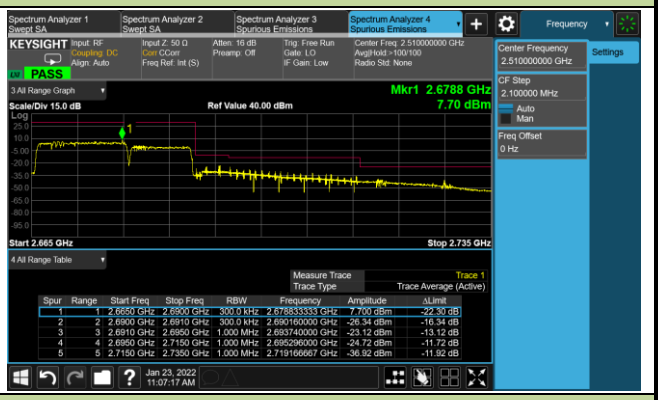
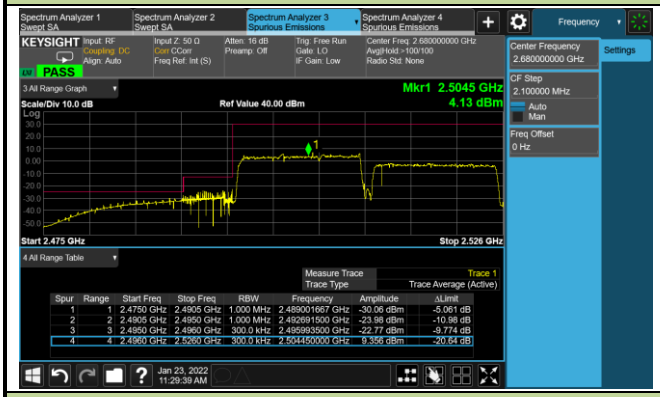
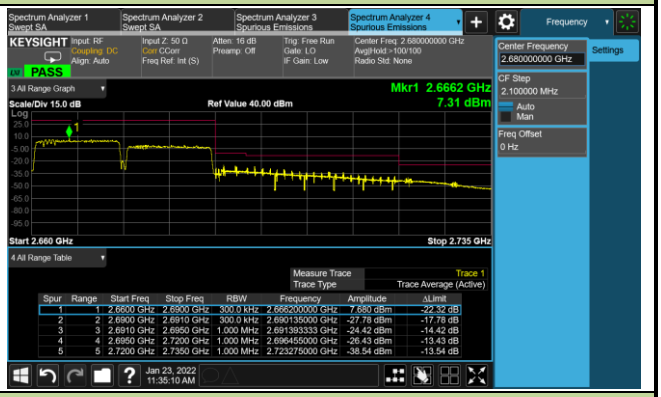
10+20MHz Channel Bandwidth	
Lower Band Edge RB = 0 & 0	Upper Band Edge RB = 49 & 99
	
15+10MHz Channel Bandwidth	
Lower Band Edge RB = 0 & 0	Upper Band Edge RB = 74 & 49
	

15+15MHz Channel Bandwidth	
Lower Band Edge RB = 0 & 0	Upper Band Edge RB = 74 & 74
	
15+20MHz Channel Bandwidth	
Lower Band Edge RB = 0 & 0	Upper Band Edge RB = 74 & 99
	

20+5MHz Channel Bandwidth	
Lower Band Edge RB = 0 & 0	Upper Band Edge RB = 99 & 24
	
20+10MHz Channel Bandwidth	
Lower Band Edge RB = 0 & 0	Upper Band Edge RB = 99 & 49
	

20+15MHz Channel Bandwidth	
Lower Band Edge RB = 0 & 0	Upper Band Edge RB = 99 & 74
	
20+20MHz Channel Bandwidth	
Lower Band Edge RB = 0 & 99	Upper Band Edge RB = 99 & 99
	

5+20MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	
10+15MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	
10+20MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	

15+10MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	
15+15MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge
	
15+20MHz Channel Bandwidth Full RB	
Lower Band Edge	Upper Band Edge