



TEST REPORT

Application No.: KSCR2206001045AT
FCC ID: OJFE62-N3-37
Applicant: Corning Optical Communications LLC
Address of Applicant: 6 Concord Road, Shrewsbury, MA 01545 United States
Manufacturer: Corning Optical Communications LLC
Address of Manufacturer: 6 Concord Road, Shrewsbury, MA 01545 United States
Factory: Sunwave Communications Co., Ltd
Address of Factory: 581 Houju Avenue, Binjinag District, Hangzhou, China
Equipment Under Test (EUT):
EUT Name: Remote Unit
Model No.: E62-N3
Trade mark: **CORNING**
Standard(s) : FCC Part 2;
FCC Part 27
Date of Receipt: 2022-06-24
Date of Test: 2022-06-26 to 2022-07-15
Date of Issue: 2022-07-19

Test Result:	Pass
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* In the configuration tested, the EUT complied with the standards specified above.

Eric Lin
Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
00	Original	2022-07-19		/

Authorized for issue by:				
		Damon Zhou		
		Damon Zhou / Project Engineer		
		Eric Lin		
		Eric Lin / Reviewer		



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2 Test Summary

Test Item	FCC Rule No.	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50(j)	PASS
Peak-Average Ratio	§27.50(j)	PASS
Bandwidth	§2.1049(h)	PASS
Band Edge Compliance	§2.1051, §27.53(j)	PASS
Spurious emissions at antenna terminals	§2.1051, §27.53(j)	PASS
Radiated spurious radiation	§2.1051, §27.53	PASS
Frequency stability	§2.1055 §27.54	PASS
<p>Remark:</p> <p>EUT: In this whole report EUT means Equipment Under Test.</p> <p>Tx: In this whole report Tx (or tx) means Transmitter.</p> <p>Rx: In this whole report Rx (or rx) means Receiver.</p> <p>All modes have been tested and only record the worst test result.</p> <p>The products are equipped with internal antenna and external antenna. The main difference is the appearance and antenna, but there is no difference in the circuit. Therefore, we only evaluated the internal and external antennas in the radiation test part, and the worst test result was the external antenna products with load test.</p>		
<p>Test method standard:</p> <p>ANSI C63.26-2015</p> <p>KDB 971168 D01 v03</p>		



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4 General Information

4.1 Details of E.U.T.

Product Name:	Remote Unit
Device type	Base station
Model No.:	E62-N3
Antenna Type:	External&Internal
Antenna Gain:	3dBi (Provided by manufacturer)
Power Supply:	DC 48V
Frequency Band:	3700MHz to 3980MHz
Modulation Type:	5G NR: CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM
MIMO:	4T4R MIMO, 2T2R MIMO, SISO
Temperature Range:	-10°C to 45°C

4.2 Test Frequency

	SCS	Carrier	Bandwidth (MHz)	Continue		
				Low	Middle	High
5G NR N77 (3700-3980MHz)	30kHz	1CC	10	3705	3840	3975
			20	3710	3840	3970
			40	3720	3840	3960
			60	3730	3840	3950
			80	3740	3840	3940
			100	3750	3840	3930
		2CC	10+10	3710	3840	3970
			80+80	3780	3840	3900
		3CC	60+60+60	3790	3840	3890
		4CC	40+40+40+40	3780	3840	3900
		5CC	20+20+20+20+20	3750	3840	3930
		6CC	20+20+20+20+20+20	3760	3840	3920



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	SCS	Carrier	Bandwidth (MHz)	Non Continue		
				Low	Middle	High
5G NR N77 (3700-3980MHz)	30kHz	1CC	10	/	/	/
			20	/	/	/
			40	/	/	/
			60	/	/	/
			80	/	/	/
			100	/	/	/
		2CC	10+10	3710+3890	3750+3930	3790+3970
			80+80	3740+3860	3780+3900	3820+3940
		3CC	60+60+60	3730+3800+3870	3770+3840+3910	3810+3880+3950
		4CC	40+40+40+40	3720+3770+3830+3880	3760+3810+3870+3920	3800+3850+3910+3960
		5CC	20+20+20+20+20	3710+3755+3800+3845+3890	3750+3795+3840+3885+3930	3790+3835+3880+3925+3970
		6CC	20+20+20+20+20+20	3710+3740+3770+3800+3830+3860	3750+3780+3810+3840+3870+3900	3820+3850+3880+3910+3940+3970



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4.3 Test Support Unit

Description	Manufacture	Model No.	S/N
Notebook	ThinkPad	K27	/

4.4 Measurement Uncertainty

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4×10^{-8}
2	Timeout	2s
3	Duty Cycle	0.37%
4	Occupied Bandwidth	3%
5	RF Conducted Power	0.6dB
6	RF Power Density	2.9dB
7	Conducted Spurious Emissions	0.75dB
8	RF Radiated Power	5.2dB (Below 1GHz)
		5.9dB (Above 1GHz)
9	Radiated Spurious Emission Test	4.2dB (Below 30MHz)
		4.5dB (30MHz-1GHz)
		5.1dB (1GHz-18GHz)
		5.4dB (Above 18GHz)
10	Temperature Test	1°C
11	Humidity Test	3%
12	Supply Voltages	1.5%
13	Time	3%

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



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4.5 Test Location

All tests were performed at:

Compliance Certification Services (Kunshan) Inc.

No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City, Jiangsu, China.

Tel: +86 512 5735 5888

Fax: +86 512 5737 0818

No tests were sub-contracted.

4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **CNAS (No. CNAS L4354)**

CNAS has accredited Compliance Certification Services (Kunshan) Inc. to ISO/IEC 17025:2017 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

- **A2LA (Certificate No. 2541.01)**

Compliance Certification Services (Kunshan) Inc. is accredited by the American Association for Laboratory Accreditation (A2LA). Certificate No. 2541.01.

- **FCC (Designation Number: CN1172)**

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory.

Designation Number: CN1172.

- **ISED (CAB identifier: CN0072)**

Compliance Certification Services (Kunshan) Inc. has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory.

Company Number: 2324E

- **VCCI (Member No.: 1938)**

The 3m and 10m Semi-anechoic chamber and Shielded Room of Compliance Certification Services (Kunshan) Inc. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-20134, R-11600, C-11707, T-11499, G-10216 respectively.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None



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5 Equipment List

Item	Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal. Due Date
RF Conducted Test						
1	Spectrum Analyzer	Agilent	E4446A	MY44020154	04/16/2022	04/15/2023
2	Spectrum Analyzer	Keysight	N9020A	MY55370209	10/11/2021	10/10/2022
4	Signal Generator	Agilent	N5182A	MY50142015	08/27/2021	08/26/2022
5	Spectrum Analyzer	Keysight	N9030B	MY61330164	01/22/2022	01/21/2023
6	Vector Signal Generator	R&S	SMW200A	110074	10/12/2021	10/11/2022
7	Radio Communication Test Station	Anritsu	MT8000A	6262012849	09/23/2021	09/22/2022
8	Radio Communication Analyzer	Anritsu	MT8821C	6201692222	09/23/2021	09/22/2022
9	Universal Radio Communication Tester	R&S	CMW500	159275	10/12/2021	10/11/2022
10	Universal Radio Communication Tester	R&S	CMW500	167239	04/16/2022	04/15/2023
11	Power Meter	Anritsu	ML2495A	1445010	04/15/2022	04/14/2023
12	Switcher	CCSRF	FY562	KUS2001M001-3	10/12/2021	10/11/2022
13	AC Power Source	EXTECH	6605	1570106	N.C.R	N.C.R
14	DC Power Supply	Aglient	E3632A	MY50340053	N.C.R	N.C.R
15	6dB Attenuator	Mini-Circuits	NAT-6-2W	15542-1	N.C.R	N.C.R
16	Power Divider	AISI	IOWOPE2068	PE2068	N.C.R	N.C.R
17	Filter	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
18	Conducted Test Cable	/	RF01-RF04	/	04/15/2022	04/14/2023
19	Software	BST	TST-PASS	N/A	N/A	N/A
20	Temp. / Humidity Chamber	TERCHY	MHK-120AK	X30109	04/15/2022	04/14/2023
21	Thermometer	Anymetre	TH603	CCS007	10/14/2021	10/13/2022
RF Radiated Test						
1	Spectrum Analyzer	R&S	FSV40	101493	10/11/2021	10/10/2022
2	Signal Generator	Agilent	E8257C	MY43321570	10/18/2021	10/17/2022
3	Loop Antenna	Com-Power	AL-130R	10160008	04/13/2021	04/12/2023
4	Bilog Antenna	TESEQ	CBL 6112D	35403	06/21/2021	06/20/2023
5	Bilog Antenna	SCHWARZBECK	VULB9160	9160-3342	04/13/2021	04/12/2023
6	Horn-antenna(1-18GHz)	Schwarzbeck	BBHA9120D	267	10/26/2020	10/25/2022
7	Horn-antenna(1-18GHz)	ETS-LINDGREN	3117	00143290	02/22/2021	02/21/2023
8	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	BBHA9170171	02/20/2022	02/19/2023
9	Pre-Amplifier(30MHz~18GHz)	LNA	/	/	04/15/2022	04/14/2023
10	Amplifier(18~40GHz)	COM-POWER	PAM-840A	461332	10/18/2021	10/17/2022
11	Low Pass Filter	MICRO-TRONICS	VLFX-950	RV142900829	N.C.R	N.C.R
12	High Pass Filter	Mini-Circuits	VHF-1200	15542	N.C.R	N.C.R
13	Filter (5450MHz~5770 MHz)	MICRO-TRONICS	BRC50704-01	2	N.C.R	N.C.R
14	Filter (5690 MHz~5930 MHz)	MICRO-TRONICS	BRC50705-01	4	N.C.R	N.C.R
15	Filter (5150 MHz~5350 MHz)	MICRO-TRONICS	BRC50703-01	2	N.C.R	N.C.R
16	Filter (885 MHz~915 MHz)	MICRO-TRONICS	BRM14698	1	N.C.R	N.C.R
17	Filter (815 MHz~860 MHz)	MICRO-TRONICS	BRM14697	1	N.C.R	N.C.R
18	Filter (1745 MHz~1910 MHz)	MICRO-TRONICS	BRM14700	1	N.C.R	N.C.R
19	Filter (1922 MHz~1977 MHz)	MICRO-TRONICS	BRM50715	1	N.C.R	N.C.R



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20	Filter (2550 MHz)	MICRO-TRONICS	HPM13362	5	N.C.R	N.C.R
21	Filter (1532 MHz~1845 MHz)	MICRO-TRONICS	BRM50713	1	N.C.R	N.C.R
22	Filter (2.4GHz)	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
23	RE test cable	/	RE01-RE04	/	04/15/2022	04/14/2023



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6 Radio Spectrum Matter Test Results

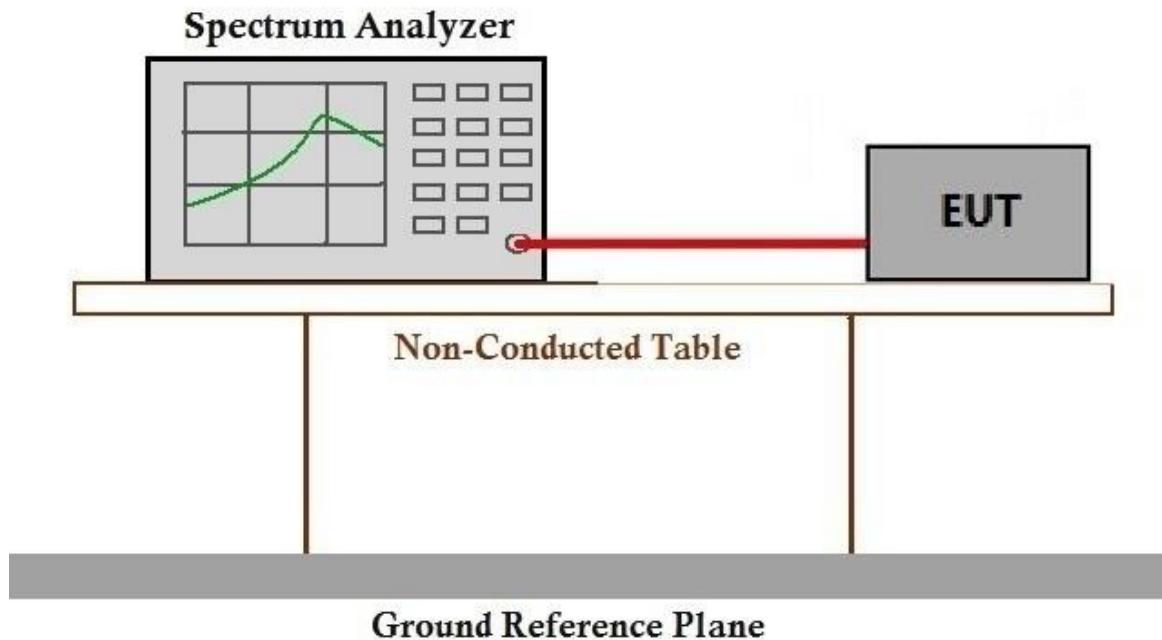
6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §27.53(j)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: EIRP ≤ 62.15dBm/MHz

6.1.1 E.U.T. Operation

Operating Environment:
 Temperature: 20.4 °C Humidity: 56.4 % RH Atmospheric Pressure: 1030 mbar
 Test mode: Tx mode, Keep the EUT in transmitting mode.

6.1.2 Test Setup Diagram



6.1.3 Measurement Data



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1 Carriers _ SCS 30kHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10M	LCH	QPSK	Full	0	25.28	15.19	31.28	18.20	62.15
		16QAM	Full	0	25.26	15.15	31.26	18.16	62.15
		64QAM	Full	0	25.13	15.11	31.13	18.12	62.15
		256QAM	Full	0	25.09	15.13	31.09	18.14	62.15
	MCH	QPSK	Full	0	25.24	15.15	31.24	18.16	62.15
		16QAM	Full	0	25.16	15.12	31.16	18.13	62.15
		64QAM	Full	0	25.04	15.11	31.04	18.12	62.15
		256QAM	Full	0	24.98	15.18	30.98	18.19	62.15
	HCH	QPSK	Full	0	25.19	15.15	31.19	18.16	62.15
		16QAM	Full	0	25.13	15.07	31.13	18.08	62.15
		64QAM	Full	0	25.09	15.05	31.09	18.06	62.15
		256QAM	Full	0	25.12	15.14	31.12	18.15	62.15
20M	LCH	QPSK	Full	0	25.29	12.75	31.29	15.76	62.15
		16QAM	Full	0	25.25	12.18	31.25	15.19	62.15
		64QAM	Full	0	25.26	12.28	31.26	15.29	62.15
		256QAM	Full	0	25.19	12.85	31.19	15.86	62.15
	MCH	QPSK	Full	0	25.35	12.45	31.35	15.46	62.15
		16QAM	Full	0	25.25	12.53	31.25	15.54	62.15
		64QAM	Full	0	25.24	12.73	31.24	15.74	62.15
		256QAM	Full	0	25.23	12.11	31.23	15.12	62.15
	HCH	QPSK	Full	0	25.31	12.28	31.31	15.29	62.15
		16QAM	Full	0	25.28	12.79	31.28	15.80	62.15
		64QAM	Full	0	25.29	12.40	31.29	15.41	62.15
		256QAM	Full	0	25.12	12.48	31.12	15.49	62.15
40M	LCH	QPSK	Full	0	25.35	9.80	31.35	12.81	62.15
		16QAM	Full	0	25.23	9.75	31.23	12.76	62.15
		64QAM	Full	0	25.2	9.73	31.20	12.74	62.15
		256QAM	Full	0	25.16	9.37	31.16	12.38	62.15
	MCH	QPSK	Full	0	25.34	9.48	31.34	12.49	62.15
		16QAM	Full	0	25.31	9.75	31.31	12.76	62.15
		64QAM	Full	0	25.25	9.51	31.25	12.52	62.15
		256QAM	Full	0	25.15	9.38	31.15	12.39	62.15
	HCH	QPSK	Full	0	25.32	9.30	31.32	12.31	62.15
		16QAM	Full	0	25.22	9.61	31.22	12.62	62.15



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		64QAM	Full	0	25.26	9.35	31.26	12.36	62.15
		256QAM	Full	0	25.19	9.40	31.19	12.41	62.15
60M	LCH	QPSK	Full	0	25.34	7.60	31.34	10.61	62.15
		16QAM	Full	0	25.25	7.73	31.25	10.74	62.15
		64QAM	Full	0	25.21	7.49	31.21	10.50	62.15
		256QAM	Full	0	25.17	7.67	31.17	10.68	62.15
		QPSK	Full	0	25.29	7.62	31.29	10.63	62.15
	MCH	16QAM	Full	0	25.25	7.57	31.25	10.58	62.15
		64QAM	Full	0	25.21	7.49	31.21	10.50	62.15
		256QAM	Full	0	25.20	7.32	31.20	10.33	62.15
		QPSK	Full	0	25.37	7.73	31.37	10.74	62.15
	HCH	16QAM	Full	0	25.31	7.61	31.31	10.62	62.15
		64QAM	Full	0	25.25	7.37	31.25	10.38	62.15
		256QAM	Full	0	25.19	7.50	31.19	10.51	62.15
80M		LCH	QPSK	Full	0	25.37	6.80	31.37	9.81
	16QAM		Full	0	25.31	6.67	31.31	9.68	62.15
	64QAM		Full	0	25.26	6.52	31.26	9.53	62.15
	256QAM		Full	0	25.16	6.51	31.16	9.52	62.15
	MCH	QPSK	Full	0	25.33	6.86	31.33	9.87	62.15
		16QAM	Full	0	25.29	6.74	31.29	9.75	62.15
		64QAM	Full	0	25.23	6.58	31.23	9.59	62.15
		256QAM	Full	0	25.16	6.39	31.16	9.40	62.15
	HCH	QPSK	Full	0	25.35	6.71	31.35	9.72	62.15
		16QAM	Full	0	25.30	6.57	31.30	9.58	62.15
		64QAM	Full	0	25.27	6.36	31.27	9.37	62.15
		256QAM	Full	0	25.10	6.50	31.10	9.51	62.15
100M	LCH	QPSK	Full	0	25.39	5.86	31.39	8.87	62.15
		16QAM	Full	0	25.15	5.51	31.15	8.52	62.15
		64QAM	Full	0	25.10	5.51	31.10	8.52	62.15
		256QAM	Full	0	25.20	5.45	31.20	8.46	62.15
	MCH	QPSK	Full	0	25.29	5.80	31.29	8.81	62.15
		16QAM	Full	0	25.11	5.59	31.11	8.60	62.15
		64QAM	Full	0	25.23	5.51	31.23	8.52	62.15
		256QAM	Full	0	25.10	5.43	31.10	8.44	62.15
	HCH	QPSK	Full	0	25.41	5.75	31.41	8.76	62.15
		16QAM	Full	0	25.22	5.53	31.22	8.54	62.15
		64QAM	Full	0	25.21	5.63	31.21	8.64	62.15
		256QAM	Full	0	25.19	5.33	31.19	8.34	62.15
2 Carriers _ SCS 30kHz									



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BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10M	LCH	QPSK	Full	0	25.46	12.25	31.46	15.26	62.15
		16QAM	Full	0	25.33	12.60	31.33	15.61	62.15
		64QAM	Full	0	25.20	12.43	31.20	15.44	62.15
		256QAM	Full	0	25.14	12.28	31.14	15.29	62.15
	MCH	QPSK	Full	0	25.39	12.73	31.39	15.74	62.15
		16QAM	Full	0	25.21	12.40	31.21	15.41	62.15
		64QAM	Full	0	25.19	12.30	31.19	15.31	62.15
		256QAM	Full	0	25.08	12.35	31.08	15.36	62.15
	HCH	QPSK	Full	0	25.41	12.79	31.41	15.80	62.15
		16QAM	Full	0	25.19	12.58	31.19	15.59	62.15
		64QAM	Full	0	25.27	12.34	31.27	15.35	62.15
		256QAM	Full	0	25.09	12.46	31.09	15.47	62.15
80+80M	LCH	QPSK	Full	0	25.37	3.37	31.37	6.38	62.15
		16QAM	Full	0	25.33	3.52	31.33	6.53	62.15
		64QAM	Full	0	25.20	3.33	31.20	6.34	62.15
		256QAM	Full	0	25.08	3.36	31.08	6.37	62.15
	MCH	QPSK	Full	0	25.44	3.67	31.44	6.68	62.15
		16QAM	Full	0	25.21	3.46	31.21	6.47	62.15
		64QAM	Full	0	25.19	3.31	31.19	6.32	62.15
		256QAM	Full	0	25.17	3.41	31.17	6.42	62.15
	HCH	QPSK	Full	0	25.32	3.75	31.32	6.76	62.15
		16QAM	Full	0	25.13	3.56	31.13	6.57	62.15
		64QAM	Full	0	25.09	3.40	31.09	6.41	62.15
		256QAM	Full	0	25.23	3.55	31.23	6.56	62.15
3 Carriers _ SCS 30kHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
60+60+60M	LCH	QPSK	Full	0	25.46	2.51	31.46	5.52	62.15
		16QAM	Full	0	25.31	2.45	31.31	5.46	62.15
		64QAM	Full	0	25.35	2.47	31.35	5.48	62.15
		256QAM	Full	0	25.19	2.52	31.19	5.53	62.15
	MCH	QPSK	Full	0	25.36	2.51	31.36	5.52	62.15
		16QAM	Full	0	25.20	2.45	31.20	5.46	62.15



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		64QAM	Full	0	25.23	2.47	31.23	5.48	62.15
		256QAM	Full	0	25.06	2.52	31.06	5.53	62.15
	HCH	QPSK	Full	0	25.37	2.51	31.37	5.52	62.15
		16QAM	Full	0	25.26	2.45	31.26	5.46	62.15
		64QAM	Full	0	25.18	2.47	31.18	5.48	62.15
		256QAM	Full	0	25.17	2.52	31.17	5.53	62.15
4 Carriers _ SCS 30kHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
40+40+40+40M	LCH	QPSK	Full	0	25.39	3.81	31.39	6.82	62.15
		16QAM	Full	0	25.21	3.47	31.21	6.48	62.15
		64QAM	Full	0	25.36	3.59	31.36	6.60	62.15
		256QAM	Full	0	25.09	3.33	31.09	6.34	62.15
	MCH	QPSK	Full	0	25.45	3.75	31.45	6.76	62.15
		16QAM	Full	0	25.27	3.66	31.27	6.67	62.15
		64QAM	Full	0	25.21	3.59	31.21	6.60	62.15
		256QAM	Full	0	25.16	3.29	31.16	6.30	62.15
	HCH	QPSK	Full	0	25.49	3.72	31.49	6.73	62.15
		16QAM	Full	0	25.16	3.69	31.16	6.70	62.15
		64QAM	Full	0	25.17	3.56	31.17	6.57	62.15
		256QAM	Full	0	25.11	3.51	31.11	6.52	62.15
5 Carriers _ SCS 30kHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
20+20+20+20+20M	LCH	QPSK	Full	0	25.41	5.81	31.41	8.82	62.15
		16QAM	Full	0	25.24	5.48	31.24	8.49	62.15
		64QAM	Full	0	25.17	5.59	31.17	8.60	62.15
		256QAM	Full	0	25.10	5.23	31.10	8.24	62.15
	MCH	QPSK	Full	0	25.49	5.75	31.49	8.76	62.15
		16QAM	Full	0	25.21	5.58	31.21	8.59	62.15
		64QAM	Full	0	25.20	5.51	31.20	8.52	62.15
		256QAM	Full	0	25.12	5.34	31.12	8.35	62.15
	HCH	QPSK	Full	0	25.47	5.78	31.47	8.79	62.15
		16QAM	Full	0	25.28	5.50	31.28	8.51	62.15
		64QAM	Full	0	25.16	5.47	31.16	8.48	62.15



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		256QAM	Full	0	25.18	5.55	28.19	8.56	62.15
6 Carriers _ SCS 30kHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
20+20+20+20+20+20M	LCH	QPSK	Full	0	25.40	5.69	31.40	8.70	62.15
		16QAM	Full	0	25.29	5.56	31.29	8.57	62.15
		64QAM	Full	0	25.34	5.49	31.34	8.50	62.15
		256QAM	Full	0	25.12	5.41	31.12	8.42	62.15
	MCH	QPSK	Full	0	25.52	5.75	31.52	8.76	62.15
		16QAM	Full	0	25.24	5.50	31.24	8.51	62.15
		64QAM	Full	0	25.23	5.39	31.23	8.40	62.15
		256QAM	Full	0	25.10	5.29	31.10	8.30	62.15
	HCH	QPSK	Full	0	25.45	5.81	31.45	8.82	62.15
		16QAM	Full	0	25.20	5.72	31.20	8.73	62.15
		64QAM	Full	0	25.11	5.29	31.11	8.30	62.15
		256QAM	Full	0	25.18	5.26	31.18	8.27	62.15

1 Carriers _ SCS 30kHz									
BW Arrange+A2:E76	Frequency	Modulation	RB Allocation		4*4 MIMO Conducted Power		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP dBm /MHz	E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)			
10M	LCH	QPSK	Full	0	31.30	21.21	34.30	24.21	62.15
		16QAM	Full	0	31.28	21.17	34.28	24.17	62.15
		64QAM	Full	0	31.15	21.13	34.15	24.13	62.15
		256QAM	Full	0	31.11	21.15	34.11	24.15	62.15
	MCH	QPSK	Full	0	31.26	21.17	34.26	24.17	62.15
		16QAM	Full	0	31.18	21.14	34.18	24.14	62.15
		64QAM	Full	0	31.06	21.13	34.06	24.13	62.15
		256QAM	Full	0	31.00	21.20	34.00	24.20	62.15
	HCH	QPSK	Full	0	31.21	21.17	34.21	24.17	62.15
		16QAM	Full	0	31.15	21.09	34.15	24.09	62.15
		64QAM	Full	0	31.11	21.07	34.11	24.07	62.15
		256QAM	Full	0	31.14	21.16	34.14	24.16	62.15
20M	LCH	QPSK	Full	0	31.31	18.77	34.31	21.77	62.15
		16QAM	Full	0	31.27	18.20	34.27	21.20	62.15
		64QAM	Full	0	31.28	18.30	34.28	21.30	62.15
		256QAM	Full	0	31.21	18.87	34.21	21.87	62.15
	MCH	QPSK	Full	0	31.37	18.47	34.37	21.47	62.15



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		16QAM	Full	0	31.27	18.55	34.27	21.55	62.15
		64QAM	Full	0	31.26	18.75	34.26	21.75	62.15
		256QAM	Full	0	31.25	18.13	34.25	21.13	62.15
		QPSK	Full	0	31.33	18.30	34.33	21.30	62.15
	HCH	16QAM	Full	0	31.30	18.81	34.30	21.81	62.15
		64QAM	Full	0	31.31	18.42	34.31	21.42	62.15
		256QAM	Full	0	31.14	18.50	34.14	21.50	62.15
40M	LCH	QPSK	Full	0	31.37	15.82	34.37	18.82	62.15
		16QAM	Full	0	31.25	15.77	34.25	18.77	62.15
		64QAM	Full	0	31.22	15.75	34.22	18.75	62.15
		256QAM	Full	0	31.18	15.39	34.18	18.39	62.15
	MCH	QPSK	Full	0	31.36	15.50	34.36	18.50	62.15
		16QAM	Full	0	31.33	15.77	34.33	18.77	62.15
		64QAM	Full	0	31.27	15.53	34.27	18.53	62.15
		256QAM	Full	0	31.17	15.40	34.17	18.40	62.15
	HCH	QPSK	Full	0	31.34	15.32	34.34	18.32	62.15
		16QAM	Full	0	31.24	15.63	34.24	18.63	62.15
		64QAM	Full	0	31.28	15.37	34.28	18.37	62.15
		256QAM	Full	0	31.21	15.42	34.21	18.42	62.15
60M	LCH	QPSK	Full	0	31.36	13.62	34.36	16.62	62.15
		16QAM	Full	0	31.27	13.75	34.27	16.75	62.15
		64QAM	Full	0	31.23	13.51	34.23	16.51	62.15
		256QAM	Full	0	31.19	13.69	34.19	16.69	62.15
	MCH	QPSK	Full	0	31.31	13.64	34.31	16.64	62.15
		16QAM	Full	0	31.27	13.59	34.27	16.59	62.15
		64QAM	Full	0	31.23	13.51	34.23	16.51	62.15
		256QAM	Full	0	31.22	13.34	34.22	16.34	62.15
	HCH	QPSK	Full	0	31.39	13.75	34.39	16.75	62.15
		16QAM	Full	0	31.33	13.63	34.33	16.63	62.15
		64QAM	Full	0	31.27	13.39	34.27	16.39	62.15
		256QAM	Full	0	31.21	13.52	34.21	16.52	62.15
80M	LCH	QPSK	Full	0	31.39	12.82	34.39	15.82	62.15
		16QAM	Full	0	31.33	12.69	34.33	15.69	62.15
		64QAM	Full	0	31.28	12.54	34.28	15.54	62.15
		256QAM	Full	0	31.18	12.53	34.18	15.53	62.15
	MCH	QPSK	Full	0	31.35	12.88	34.35	15.88	62.15
		16QAM	Full	0	31.31	12.76	34.31	15.76	62.15
		64QAM	Full	0	31.25	12.60	34.25	15.60	62.15
		256QAM	Full	0	31.18	12.41	34.18	15.41	62.15
	HCH	QPSK	Full	0	31.37	12.73	34.37	15.73	62.15



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		16QAM	Full	0	31.32	12.59	34.32	15.59	62.15
		64QAM	Full	0	31.29	12.38	34.29	15.38	62.15
		256QAM	Full	0	31.12	12.52	34.12	15.52	62.15
100M	LCH	QPSK	Full	0	31.41	11.88	34.41	14.88	62.15
		16QAM	Full	0	31.17	11.53	34.17	14.53	62.15
		64QAM	Full	0	31.12	11.53	34.12	14.53	62.15
		256QAM	Full	0	31.22	11.47	34.22	14.47	62.15
	MCH	QPSK	Full	0	31.31	11.82	34.31	14.82	62.15
		16QAM	Full	0	31.13	11.61	34.13	14.61	62.15
		64QAM	Full	0	31.25	11.53	34.25	14.53	62.15
		256QAM	Full	0	31.12	11.45	34.12	14.45	62.15
	HCH	QPSK	Full	0	31.43	11.77	34.43	14.77	62.15
		16QAM	Full	0	31.24	11.55	34.24	14.55	62.15
		64QAM	Full	0	31.23	11.65	34.23	14.65	62.15
		256QAM	Full	0	31.21	11.35	34.21	14.35	62.15
2 Carriers _ SCS 30kHz									
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO Conducted Power		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP dBm /MHz	E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)			
10+10M	LCH	QPSK	Full	0	31.48	18.27	34.48	21.27	62.15
		16QAM	Full	0	31.35	18.62	34.35	21.62	62.15
		64QAM	Full	0	31.22	18.45	34.22	21.45	62.15
		256QAM	Full	0	31.16	18.30	34.16	21.30	62.15
	MCH	QPSK	Full	0	31.41	18.75	34.41	21.75	62.15
		16QAM	Full	0	31.23	18.42	34.23	21.42	62.15
		64QAM	Full	0	31.21	18.32	34.21	21.32	62.15
		256QAM	Full	0	31.10	18.37	34.10	21.37	62.15
	HCH	QPSK	Full	0	31.43	18.81	34.43	21.81	62.15
		16QAM	Full	0	31.21	18.60	34.21	21.60	62.15
		64QAM	Full	0	31.29	18.36	34.29	21.36	62.15
		256QAM	Full	0	31.11	18.48	34.11	21.48	62.15
80+80M	LCH	QPSK	Full	0	31.39	9.39	34.39	12.39	62.15
		16QAM	Full	0	31.35	9.54	34.35	12.54	62.15
		64QAM	Full	0	31.22	9.35	34.22	12.35	62.15
		256QAM	Full	0	31.10	9.38	34.10	12.38	62.15
	MCH	QPSK	Full	0	31.46	9.69	34.46	12.69	62.15
		16QAM	Full	0	31.23	9.48	34.23	12.48	62.15
		64QAM	Full	0	31.21	9.33	34.21	12.33	62.15



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		256QAM	Full	0	31.19	9.43	34.19	12.43	62.15
	HCH	QPSK	Full	0	31.34	9.77	34.34	12.77	62.15
		16QAM	Full	0	31.15	9.58	34.15	12.58	62.15
		64QAM	Full	0	31.11	9.42	34.11	12.42	62.15
		256QAM	Full	0	31.25	9.57	34.25	12.57	62.15
3 Carriers _ SCS 30kHz									
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO Conducted Power		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP dBm /MHz	E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)			
60+60+60M	LCH	QPSK	Full	0	31.48	8.53	34.48	11.53	62.15
		16QAM	Full	0	31.33	8.47	34.33	11.47	62.15
		64QAM	Full	0	31.37	8.49	34.37	11.49	62.15
		256QAM	Full	0	31.21	8.54	34.21	11.54	62.15
	MCH	QPSK	Full	0	31.38	8.53	34.38	11.53	62.15
		16QAM	Full	0	31.22	8.47	34.22	11.47	62.15
		64QAM	Full	0	31.25	8.49	34.25	11.49	62.15
		256QAM	Full	0	31.08	8.54	34.08	11.54	62.15
	HCH	QPSK	Full	0	31.39	8.53	34.39	11.53	62.15
		16QAM	Full	0	31.28	8.47	34.28	11.47	62.15
		64QAM	Full	0	31.20	8.49	34.20	11.49	62.15
		256QAM	Full	0	31.19	8.54	34.19	11.54	62.15
4 Carriers _ SCS 30kHz									
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO Conducted Power		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP dBm /MHz	E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)			
40+40+40+40M	LCH	QPSK	Full	0	31.41	9.83	34.41	12.83	62.15
		16QAM	Full	0	31.23	9.49	34.23	12.49	62.15
		64QAM	Full	0	31.38	9.61	34.38	12.61	62.15
		256QAM	Full	0	31.11	9.35	34.11	12.35	62.15
	MCH	QPSK	Full	0	31.47	9.77	34.47	12.77	62.15
		16QAM	Full	0	31.29	9.68	34.29	12.68	62.15
		64QAM	Full	0	31.23	9.61	34.23	12.61	62.15
		256QAM	Full	0	31.18	9.31	34.18	12.31	62.15
	HCH	QPSK	Full	0	31.51	9.74	34.51	12.74	62.15
		16QAM	Full	0	31.18	9.71	34.18	12.71	62.15
		64QAM	Full	0	31.19	9.58	34.19	12.58	62.15
		256QAM	Full	0	31.13	9.53	34.13	12.53	62.15



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5 Carriers _ SCS 30kHz									
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO Conducted Power		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP dBm /MHz	E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)			
20+20+20+20+20M	LCH	QPSK	Full	0	31.43	11.83	34.43	14.83	62.15
		16QAM	Full	0	31.26	11.50	34.26	14.50	62.15
		64QAM	Full	0	31.19	11.61	34.19	14.61	62.15
		256QAM	Full	0	31.12	11.25	34.12	14.25	62.15
	MCH	QPSK	Full	0	31.51	11.77	34.51	14.77	62.15
		16QAM	Full	0	31.23	11.60	34.23	14.60	62.15
		64QAM	Full	0	31.22	11.53	34.22	14.53	62.15
		256QAM	Full	0	31.14	11.36	34.14	14.36	62.15
	HCH	QPSK	Full	0	31.49	11.80	34.49	14.80	62.15
		16QAM	Full	0	31.30	11.52	34.30	14.52	62.15
		64QAM	Full	0	31.18	11.49	34.18	14.49	62.15
		256QAM	Full	0	31.20	11.57	34.20	14.57	62.15
6 Carriers _ SCS 30kHz									
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO Conducted Power		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP dBm /MHz	E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)			
20+20+20+20+20+20M	LCH	QPSK	Full	0	31.42	11.71	34.42	14.71	62.15
		16QAM	Full	0	31.31	11.58	34.31	14.58	62.15
		64QAM	Full	0	31.36	11.51	34.36	14.51	62.15
		256QAM	Full	0	31.14	11.43	34.14	14.43	62.15
	MCH	QPSK	Full	0	31.54	11.77	34.54	14.77	62.15
		16QAM	Full	0	31.26	11.52	34.26	14.52	62.15
		64QAM	Full	0	31.25	11.41	34.25	14.41	62.15
		256QAM	Full	0	31.12	11.31	34.12	14.31	62.15
	HCH	QPSK	Full	0	31.47	11.83	34.47	14.83	62.15
		16QAM	Full	0	31.22	11.74	34.22	14.74	62.15
		64QAM	Full	0	31.13	11.31	34.13	14.31	62.15
		256QAM	Full	0	31.20	11.28	34.20	14.28	62.15

Remark:

- 1.The EUT supports SISO working mode. Each antenna can be used as SISO working port. We only present the worst result, the test data of a nt 1 port.
- 2.This EUT supports 2*2 and 4*4MIMO, For MIMO mode the output signals are considered completely uncorrelated, so the antenna gain is 3dBi.



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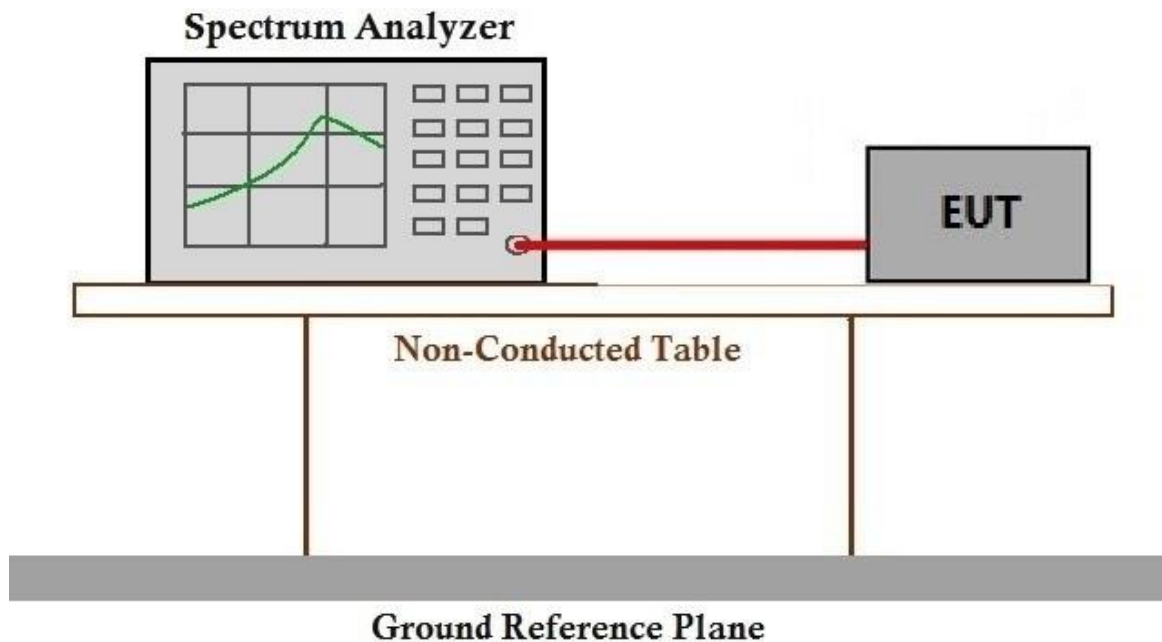
6.2 Peak-Average Ratio

Test Requirement: §27.50(j)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: ≤13dB

6.2.1 E.U.T. Operation

Operating Environment:
 Temperature: 20.4 °C Humidity: 56.4 % RH Atmospheric Pressure: 1030 mbar
 Test mode: Tx mode, Keep the EUT in transmitting mode.

6.2.2 Test Setup Diagram



6.2.3 Measurement Data

Please refer to Appendix D for Peak-Average Ratio-FCC WWAN BS



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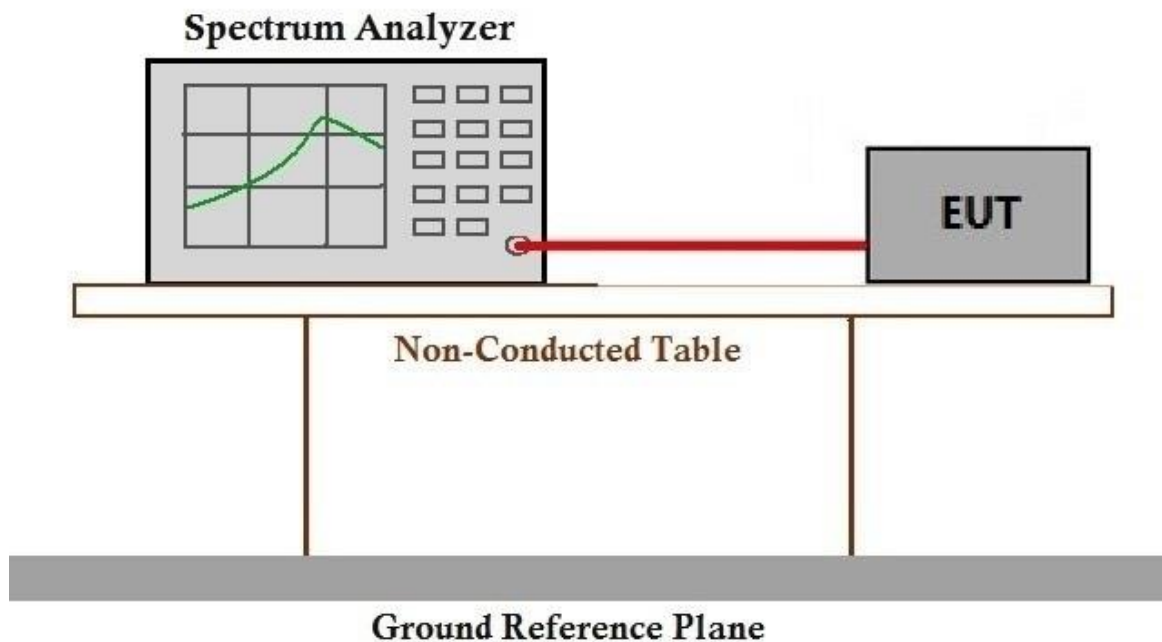
6.3 Bandwidth

Test Requirement: §2.1049(h)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: OBW: No limit
 EBW: No limit

6.3.1 E.U.T. Operation

Operating Environment:
 Temperature: 20.4 °C Humidity: 56.4 % RH Atmospheric Pressure: 1030 mbar
 Test mode: Tx mode, Keep the EUT in transmitting mode.

6.3.2 Test Setup Diagram



6.3.3 Measurement Data

Please refer to Appendix A for Bandwidth-FCC WWAN BS



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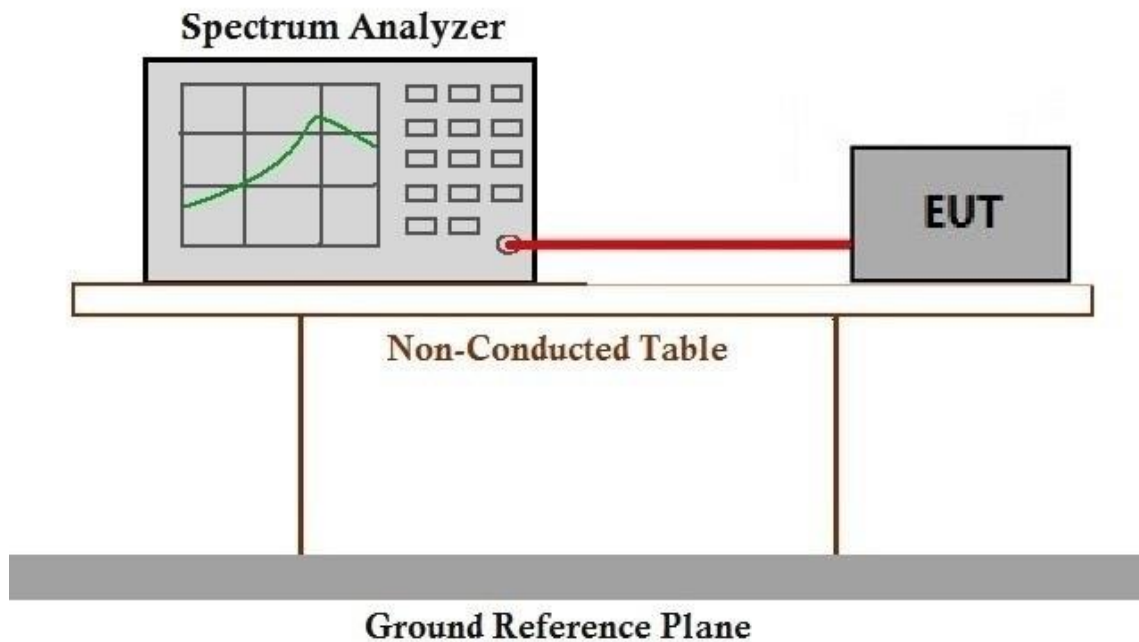
6.4 Band Edge Compliance

Test Requirement: §2.1051, §27.53(j)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq -13\text{dBm/MHz}$

6.4.1 E.U.T. Operation

Operating Environment:
 Temperature: 20.4 °C Humidity: 56.4 % RH Atmospheric Pressure: 1030 mbar
 Test mode: Tx mode, Keep the EUT in transmitting mode.

6.4.2 Test Setup Diagram



6.4.3 Measurement Data

Please refer to Appendix B for Conducted band edge-FCC WWAN BS



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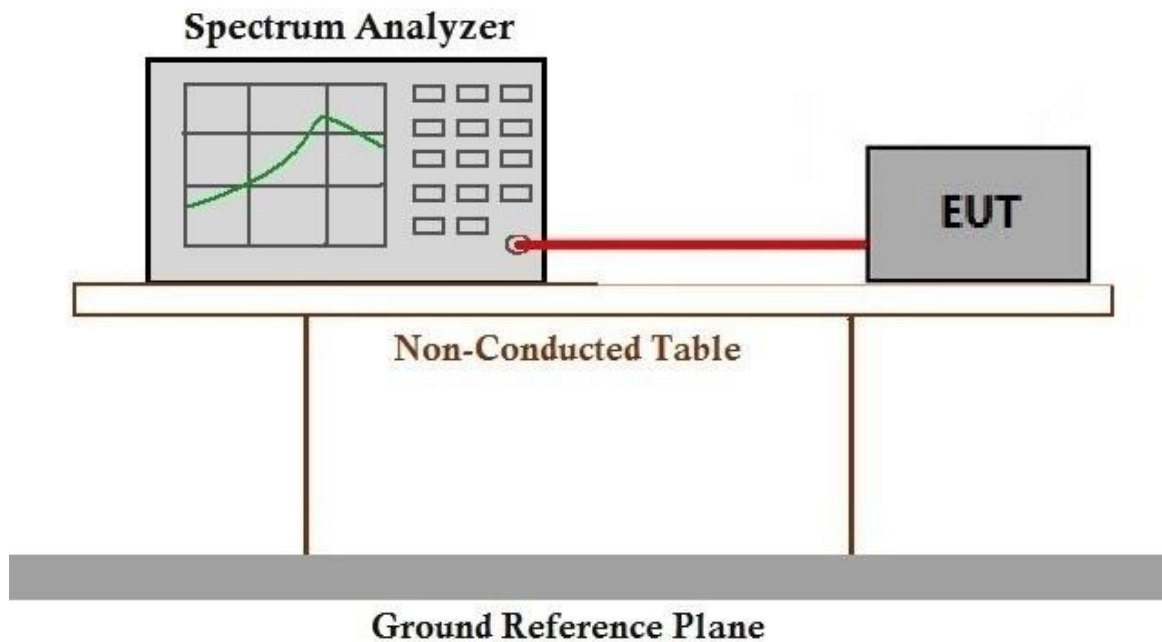
6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §27.53(j)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq -13\text{dBm/MHz}$

6.5.1 E.U.T. Operation

Operating Environment:
 Temperature: 20.4 °C Humidity: 56.4 % RH Atmospheric Pressure: 1030 mbar
 Test mode: Tx mode, Keep the EUT in transmitting mode.

6.5.2 Test Setup Diagram



6.5.3 Measurement Data

Please refer to Appendix C for Conducted Spurious Emission-FCC WWAN BS



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6.6 Radiated spurious radiation

Test Requirement: §2.1051, §27.53(j)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq -13\text{dBm/MHz}$

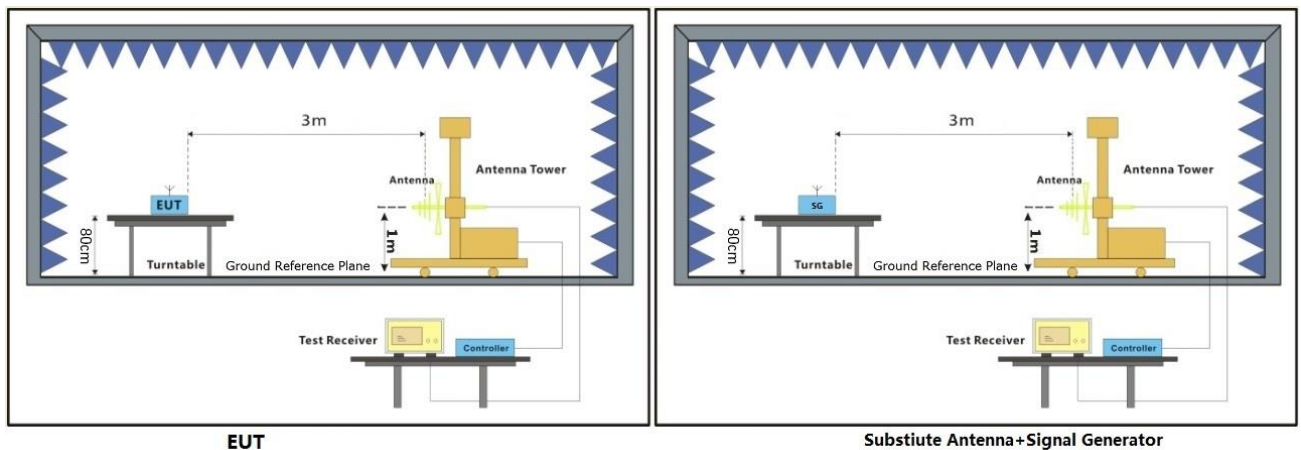
6.6.1 E.U.T. Operation

Operating Environment:

Temperature: 20.4 °C Humidity: 56.4 % RH Atmospheric Pressure: 1030 mbar

Test mode: Tx mode, Keep the EUT in transmitting mode.

6.6.2 Test Setup Diagram



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6.6.3 Measurement Procedure and Data

Test Procedure:

- (1) On a test site, the EUT shall be placed on a turntable and in the position closest to the normal use as declared by the user.
- (2) The test antenna shall be oriented initially for vertical polarization located 3m from the EUT to correspond to the transmitter.
- (3) The output of the antenna shall be connected to the measuring receiver and either a peak or quasi-peak detector was used for the measurement as indicated on the report. The detector selection is based on how close the emission level was approaching the limit.
- (4) The transmitter shall be switched on; if possible, without the modulation and the measurement receiver shall be tuned to the frequency of the transmitter under test.
- (5) The test antenna shall be raised and lowered through the specified range of height until the measuring receiver detects a maximum signal level.
- (6) The transmitter shall then be rotated through 360° in the horizontal plane, until the maximum signal level is detected by the measuring receiver.
- (7) The test antenna shall be raised and lowered again through the specified range of height until the measuring receiver detects a maximum signal level.
- (8) The maximum signal level detected by the measuring receiver shall be noted.
- (9) The measurement shall be repeated with the test antenna set to horizontal polarization.
- (10) Replace the antenna with a proper Antenna (substitution antenna).
- (11) The substitution antenna shall be oriented for vertical polarization and, if necessary, the length of the substitution antenna shall be adjusted to correspond to the frequency of transmitting.
- (12) The substitution antenna shall be connected to a calibrated signal generator.
- (13) If necessary, the input attenuator setting of the measuring receiver shall be adjusted in order to increase the sensitivity of the measuring receiver.
- (14) The test antenna shall be raised and lowered through the specified range of the height to ensure that the maximum signal is received.
- (15) The input signal to substitution antenna shall be adjusted to the level that produces a level detected by the measuring receiver, that is equal to the level noted while the transmitter radiated power was measured, corrected for the change of input attenuation setting of the measuring receiver.
- (16) The input level to the substitution antenna shall be recorded as power level in dBm, corrected for any change of input attenuator setting of the measuring receiver.
- (17) The measurement shall be repeated with the test antenna and the substitution antenna oriented for horizontal polarization.



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5G NR n77 Continuous CA, Nominal Bandwidth: 10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
223.9	228	Horizontal	-69.5	-13.0	-56.5	Pass
506.5	349	Horizontal	-70.1	-13.0	-57.1	Pass
809.8	200	Horizontal	-70.1	-13.0	-57.1	Pass
7132.9	93	Horizontal	-50.8	-13.0	-37.8	Pass
10769.6	82	Horizontal	-57.5	-13.0	-44.5	Pass
14275.6	263	Horizontal	-52.5	-13.0	-39.5	Pass
165.1	315	Vertical	-70.2	-13.0	-57.2	Pass
652.3	130	Vertical	-74.4	-13.0	-61.4	Pass
876.6	293	Vertical	-68.4	-13.0	-55.4	Pass
7215.4	174	Vertical	-53.1	-13.0	-40.1	Pass
10680.9	10	Vertical	-54.5	-13.0	-41.5	Pass
14243.9	287	Vertical	-54.0	-13.0	-41.0	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
227.8	284	Horizontal	-73.3	-13.0	-60.3	Pass
568.0	32	Horizontal	-71.3	-13.0	-58.3	Pass
833.3	32	Horizontal	-69.1	-13.0	-56.1	Pass
7359.7	84	Horizontal	-53.6	-13.0	-40.6	Pass
10973.4	203	Horizontal	-56.3	-13.0	-43.3	Pass
14616.9	223	Horizontal	-54.3	-13.0	-41.3	Pass
194.9	50	Vertical	-70.3	-13.0	-57.3	Pass
587.5	355	Vertical	-72.2	-13.0	-59.2	Pass
841.2	266	Vertical	-69.1	-13.0	-56.1	Pass
7294.2	175	Vertical	-53.7	-13.0	-40.7	Pass
10942.2	62	Vertical	-56.2	-13.0	-43.2	Pass
14583.3	106	Vertical	-57.5	-13.0	-44.5	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
160.6	205	Horizontal	-69.5	-13.0	-56.5	Pass
521.0	125	Horizontal	-74.3	-13.0	-61.3	Pass
826.5	129	Horizontal	-68.3	-13.0	-55.3	Pass
7477.0	57	Horizontal	-59.9	-13.0	-46.9	Pass
11140.0	134	Horizontal	-57.5	-13.0	-44.5	Pass
14872.8	301	Horizontal	-51.9	-13.0	-38.9	Pass
204.2	31	Vertical	-72.5	-13.0	-59.5	Pass
573.7	124	Vertical	-72.9	-13.0	-59.9	Pass
891.6	228	Vertical	-69.0	-13.0	-56.0	Pass
7470.6	81	Vertical	-50.2	-13.0	-37.2	Pass
11159.0	275	Vertical	-60.3	-13.0	-47.3	Pass
14865.8	161	Vertical	-50.0	-13.0	-37.0	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 20M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
174.0	329	Horizontal	-70.2	-13.0	-57.2	Pass
527.3	318	Horizontal	-71.1	-13.0	-58.1	Pass
832.0	80	Horizontal	-69.3	-13.0	-56.3	Pass
7217.8	360	Horizontal	-52.1	-13.0	-39.1	Pass
10721.5	42	Horizontal	-57.7	-13.0	-44.7	Pass
14293.3	21	Horizontal	-53.0	-13.0	-40.0	Pass
230.7	345	Vertical	-72.0	-13.0	-59.0	Pass
631.6	76	Vertical	-74.1	-13.0	-61.1	Pass
869.0	299	Vertical	-70.0	-13.0	-57.0	Pass
7204.6	327	Vertical	-53.1	-13.0	-40.1	Pass
10775.3	208	Vertical	-55.0	-13.0	-42.0	Pass
14272.8	100	Vertical	-56.3	-13.0	-43.3	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 20M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
229.6	70	Horizontal	-72.4	-13.0	-59.4	Pass
580.1	87	Horizontal	-70.5	-13.0	-57.5	Pass
817.8	116	Horizontal	-69.1	-13.0	-56.1	Pass
7312.6	238	Horizontal	-54.7	-13.0	-41.7	Pass
10983.2	149	Horizontal	-56.0	-13.0	-43.0	Pass
14528.0	334	Horizontal	-55.9	-13.0	-42.9	Pass
214.7	352	Vertical	-70.2	-13.0	-57.2	Pass
639.7	179	Vertical	-70.4	-13.0	-57.4	Pass
833.7	49	Vertical	-70.4	-13.0	-57.4	Pass
7269.6	75	Vertical	-53.7	-13.0	-40.7	Pass
10981.3	220	Vertical	-57.7	-13.0	-44.7	Pass
14559.2	234	Vertical	-57.5	-13.0	-44.5	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 20M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
234.9	260	Horizontal	-68.9	-13.0	-55.9	Pass
519.2	280	Horizontal	-72.6	-13.0	-59.6	Pass
820.8	129	Horizontal	-68.1	-13.0	-55.1	Pass
7476.5	207	Horizontal	-59.1	-13.0	-46.1	Pass
11140.9	30	Horizontal	-58.9	-13.0	-45.9	Pass
14878.8	351	Horizontal	-52.0	-13.0	-39.0	Pass
207.8	162	Vertical	-71.8	-13.0	-58.8	Pass
613.5	224	Vertical	-74.2	-13.0	-61.2	Pass
834.3	227	Vertical	-68.3	-13.0	-55.3	Pass
7432.8	266	Vertical	-48.9	-13.0	-35.9	Pass
11143.7	21	Vertical	-59.5	-13.0	-46.5	Pass
14808.2	166	Vertical	-51.9	-13.0	-38.9	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 40M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
240.4	86	Horizontal	-70.3	-13.0	-57.3	Pass
599.0	212	Horizontal	-71.5	-13.0	-58.5	Pass
833.8	280	Horizontal	-69.1	-13.0	-56.1	Pass
7197.3	298	Horizontal	-49.9	-13.0	-36.9	Pass
10721.6	163	Horizontal	-57.1	-13.0	-44.1	Pass
14271.6	184	Horizontal	-53.1	-13.0	-40.1	Pass
235.4	299	Vertical	-72.6	-13.0	-59.6	Pass
583.9	355	Vertical	-72.0	-13.0	-59.0	Pass
841.1	178	Vertical	-68.9	-13.0	-55.9	Pass
7178.1	198	Vertical	-53.1	-13.0	-40.1	Pass
10726.5	85	Vertical	-55.0	-13.0	-42.0	Pass
14318.8	307	Vertical	-54.9	-13.0	-41.9	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 40M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
167.2	256	Horizontal	-71.7	-13.0	-58.7	Pass
588.7	197	Horizontal	-71.6	-13.0	-58.6	Pass
897.3	251	Horizontal	-69.2	-13.0	-56.2	Pass
7332.8	24	Horizontal	-53.8	-13.0	-40.8	Pass
10941.4	140	Horizontal	-55.7	-13.0	-42.7	Pass
14604.0	193	Horizontal	-55.0	-13.0	-42.0	Pass
222.5	144	Vertical	-70.5	-13.0	-57.5	Pass
549.3	11	Vertical	-73.0	-13.0	-60.0	Pass
885.1	345	Vertical	-69.4	-13.0	-56.4	Pass
7351.5	79	Vertical	-54.3	-13.0	-41.3	Pass
10955.1	252	Vertical	-57.9	-13.0	-44.9	Pass
14612.6	63	Vertical	-57.3	-13.0	-44.3	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 40M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
168.1	306	Horizontal	-68.3	-13.0	-55.3	Pass
552.5	212	Horizontal	-74.3	-13.0	-61.3	Pass
814.3	239	Horizontal	-67.6	-13.0	-54.6	Pass
7412.7	49	Horizontal	-60.3	-13.0	-47.3	Pass
11144.5	358	Horizontal	-57.5	-13.0	-44.5	Pass
14844.1	187	Horizontal	-51.7	-13.0	-38.7	Pass
192.2	192	Vertical	-72.3	-13.0	-59.3	Pass
588.1	231	Vertical	-74.0	-13.0	-61.0	Pass
853.5	81	Vertical	-66.5	-13.0	-53.5	Pass
7404.0	106	Vertical	-51.2	-13.0	-38.2	Pass
11180.0	157	Vertical	-61.4	-13.0	-48.4	Pass
14856.4	353	Vertical	-50.9	-13.0	-37.9	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 60M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
208.1	163	Horizontal	-70.2	-13.0	-57.2	Pass
540.2	135	Horizontal	-70.2	-13.0	-57.2	Pass
836.5	160	Horizontal	-69.0	-13.0	-56.0	Pass
7158.5	37	Horizontal	-51.6	-13.0	-38.6	Pass
10713.1	174	Horizontal	-56.5	-13.0	-43.5	Pass
14265.8	134	Horizontal	-50.8	-13.0	-37.8	Pass
154.8	60	Vertical	-70.8	-13.0	-57.8	Pass
643.9	150	Vertical	-73.9	-13.0	-60.9	Pass
876.8	103	Vertical	-69.2	-13.0	-56.2	Pass
7136.8	82	Vertical	-53.3	-13.0	-40.3	Pass
10720.4	24	Vertical	-54.0	-13.0	-41.0	Pass
14291.0	265	Vertical	-54.9	-13.0	-41.9	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 60M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
258.8	139	Horizontal	-72.8	-13.0	-59.8	Pass
521.7	360	Horizontal	-70.6	-13.0	-57.6	Pass
808.7	157	Horizontal	-68.7	-13.0	-55.7	Pass
7344.5	221	Horizontal	-54.0	-13.0	-41.0	Pass
10949.8	61	Horizontal	-56.7	-13.0	-43.7	Pass
14616.7	280	Horizontal	-54.7	-13.0	-41.7	Pass
223.5	166	Vertical	-68.5	-13.0	-55.5	Pass
614.4	128	Vertical	-72.2	-13.0	-59.2	Pass
923.4	173	Vertical	-69.0	-13.0	-56.0	Pass
7276.0	232	Vertical	-53.4	-13.0	-40.4	Pass
10966.6	34	Vertical	-57.2	-13.0	-44.2	Pass
14530.0	231	Vertical	-56.6	-13.0	-43.6	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 60M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
198.5	186	Horizontal	-70.5	-13.0	-57.5	Pass
521.1	284	Horizontal	-72.0	-13.0	-59.0	Pass
881.6	258	Horizontal	-69.2	-13.0	-56.2	Pass
7475.6	292	Horizontal	-59.8	-13.0	-46.8	Pass
11110.8	107	Horizontal	-56.6	-13.0	-43.6	Pass
14837.3	351	Horizontal	-53.8	-13.0	-40.8	Pass
176.0	342	Vertical	-72.1	-13.0	-59.1	Pass
602.1	151	Vertical	-74.0	-13.0	-61.0	Pass
839.2	173	Vertical	-68.2	-13.0	-55.2	Pass
7452.2	310	Vertical	-51.4	-13.0	-38.4	Pass
11107.9	88	Vertical	-59.8	-13.0	-46.8	Pass
14809.9	42	Vertical	-51.2	-13.0	-38.2	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 80M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
209.5	162	Horizontal	-70.3	-13.0	-57.3	Pass
513.7	143	Horizontal	-69.9	-13.0	-56.9	Pass
896.5	156	Horizontal	-68.6	-13.0	-55.6	Pass
7142.0	38	Horizontal	-51.2	-13.0	-38.2	Pass
10765.7	181	Horizontal	-57.1	-13.0	-44.1	Pass
14306.7	127	Horizontal	-50.6	-13.0	-37.6	Pass
241.6	57	Vertical	-70.7	-13.0	-57.7	Pass
584.2	158	Vertical	-73.9	-13.0	-60.9	Pass
903.7	104	Vertical	-70.1	-13.0	-57.1	Pass
7182.8	83	Vertical	-53.2	-13.0	-40.2	Pass
10689.8	21	Vertical	-54.8	-13.0	-41.8	Pass
14269.8	265	Vertical	-55.1	-13.0	-42.1	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 80M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
179.6	132	Horizontal	-72.6	-13.0	-59.6	Pass
565.4	359	Horizontal	-71.0	-13.0	-58.0	Pass
866.4	162	Horizontal	-69.5	-13.0	-56.5	Pass
7276.4	226	Horizontal	-54.1	-13.0	-41.1	Pass
10934.1	62	Horizontal	-57.0	-13.0	-44.0	Pass
14536.9	284	Horizontal	-54.2	-13.0	-41.2	Pass
235.8	170	Vertical	-68.2	-13.0	-55.2	Pass
548.8	123	Vertical	-71.5	-13.0	-58.5	Pass
846.3	174	Vertical	-69.6	-13.0	-56.6	Pass
7290.5	232	Vertical	-53.5	-13.0	-40.5	Pass
10952.6	29	Vertical	-57.0	-13.0	-44.0	Pass
14553.0	233	Vertical	-56.0	-13.0	-43.0	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 80M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
183.2	185	Horizontal	-70.3	-13.0	-57.3	Pass
529.7	275	Horizontal	-72.5	-13.0	-59.5	Pass
808.5	255	Horizontal	-69.4	-13.0	-56.4	Pass
7465.1	301	Horizontal	-59.5	-13.0	-46.5	Pass
11131.8	102	Horizontal	-56.7	-13.0	-43.7	Pass
14818.3	344	Horizontal	-53.1	-13.0	-40.1	Pass
180.6	345	Vertical	-71.2	-13.0	-58.2	Pass
597.5	150	Vertical	-73.3	-13.0	-60.3	Pass
827.4	174	Vertical	-68.5	-13.0	-55.5	Pass
7439.5	308	Vertical	-51.0	-13.0	-38.0	Pass
11118.0	83	Vertical	-59.7	-13.0	-46.7	Pass
14840.5	41	Vertical	-50.5	-13.0	-37.5	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 100M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
213.9	163	Horizontal	-70.5	-13.0	-57.5	Pass
552.3	143	Horizontal	-70.0	-13.0	-57.0	Pass
880.8	155	Horizontal	-69.0	-13.0	-56.0	Pass
7212.5	35	Horizontal	-51.2	-13.0	-38.2	Pass
10708.6	174	Horizontal	-56.6	-13.0	-43.6	Pass
14290.3	134	Horizontal	-51.1	-13.0	-38.1	Pass
212.1	58	Vertical	-70.9	-13.0	-57.9	Pass
597.3	155	Vertical	-74.4	-13.0	-61.4	Pass
881.4	103	Vertical	-69.4	-13.0	-56.4	Pass
7126.5	82	Vertical	-53.0	-13.0	-40.0	Pass
10761.3	23	Vertical	-54.5	-13.0	-41.5	Pass
14292.6	269	Vertical	-55.3	-13.0	-42.3	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 100M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
167.7	136	Horizontal	-72.6	-13.0	-59.6	Pass
558.7	353	Horizontal	-70.2	-13.0	-57.2	Pass
832.8	159	Horizontal	-68.7	-13.0	-55.7	Pass
7290.4	224	Horizontal	-53.7	-13.0	-40.7	Pass
10898.1	64	Horizontal	-56.5	-13.0	-43.5	Pass
14615.2	283	Horizontal	-54.5	-13.0	-41.5	Pass
220.1	165	Vertical	-68.9	-13.0	-55.9	Pass
593.0	122	Vertical	-72.3	-13.0	-59.3	Pass
866.7	173	Vertical	-69.8	-13.0	-56.8	Pass
7348.9	233	Vertical	-53.6	-13.0	-40.6	Pass
10968.2	33	Vertical	-57.1	-13.0	-44.1	Pass
14584.9	233	Vertical	-56.6	-13.0	-43.6	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 100M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
228.5	193	Horizontal	-70.7	-13.0	-57.7	Pass
581.2	278	Horizontal	-72.5	-13.0	-59.5	Pass
876.1	257	Horizontal	-69.6	-13.0	-56.6	Pass
7494.3	296	Horizontal	-59.4	-13.0	-46.4	Pass
11151.6	101	Horizontal	-57.0	-13.0	-44.0	Pass
14871.6	345	Horizontal	-53.7	-13.0	-40.7	Pass
191.6	349	Vertical	-72.1	-13.0	-59.1	Pass
596.3	152	Vertical	-73.3	-13.0	-60.3	Pass
828.7	179	Vertical	-68.7	-13.0	-55.7	Pass
7490.3	307	Vertical	-51.1	-13.0	-38.1	Pass
11143.1	84	Vertical	-59.8	-13.0	-46.8	Pass
14867.3	45	Vertical	-51.1	-13.0	-38.1	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 10+10M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
208.0	165	Horizontal	-70.4	-13.0	-57.4	Pass
582.1	135	Horizontal	-70.6	-13.0	-57.6	Pass
886.6	157	Horizontal	-68.8	-13.0	-55.8	Pass
7125.9	43	Horizontal	-51.8	-13.0	-38.8	Pass
10761.9	178	Horizontal	-56.4	-13.0	-43.4	Pass
14250.6	133	Horizontal	-50.5	-13.0	-37.5	Pass
185.7	56	Vertical	-70.4	-13.0	-57.4	Pass
557.5	159	Vertical	-74.0	-13.0	-61.0	Pass
890.6	109	Vertical	-69.6	-13.0	-56.6	Pass
7219.3	85	Vertical	-52.7	-13.0	-39.7	Pass
10688.6	19	Vertical	-54.3	-13.0	-41.3	Pass
14323.3	269	Vertical	-55.3	-13.0	-42.3	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 10+10M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
218.2	134	Horizontal	-73.1	-13.0	-60.1	Pass
569.8	353	Horizontal	-70.2	-13.0	-57.2	Pass
815.3	157	Horizontal	-69.0	-13.0	-56.0	Pass
7303.3	220	Horizontal	-54.6	-13.0	-41.6	Pass
10933.7	65	Horizontal	-57.4	-13.0	-44.4	Pass
14544.6	282	Horizontal	-54.6	-13.0	-41.6	Pass
210.5	164	Vertical	-69.1	-13.0	-56.1	Pass
576.7	132	Vertical	-72.3	-13.0	-59.3	Pass
924.3	176	Vertical	-69.8	-13.0	-56.8	Pass
7330.6	234	Vertical	-53.4	-13.0	-40.4	Pass
10979.4	30	Vertical	-57.0	-13.0	-44.0	Pass
14545.6	227	Vertical	-56.9	-13.0	-43.9	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
187.8	189	Horizontal	-71.0	-13.0	-58.0	Pass
499.0	275	Horizontal	-72.5	-13.0	-59.5	Pass
832.8	256	Horizontal	-69.4	-13.0	-56.4	Pass
7497.4	298	Horizontal	-59.7	-13.0	-46.7	Pass
11148.8	100	Horizontal	-57.6	-13.0	-44.6	Pass
14862.8	345	Horizontal	-53.7	-13.0	-40.7	Pass
205.9	346	Vertical	-71.7	-13.0	-58.7	Pass
613.9	155	Vertical	-73.6	-13.0	-60.6	Pass
892.7	176	Vertical	-68.5	-13.0	-55.5	Pass
7452.1	303	Vertical	-51.5	-13.0	-38.5	Pass
11148.5	83	Vertical	-60.1	-13.0	-47.1	Pass
14873.7	47	Vertical	-50.8	-13.0	-37.8	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 80+80M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
190.9	164	Horizontal	-69.9	-13.0	-56.9	Pass
558.5	135	Horizontal	-69.9	-13.0	-56.9	Pass
873.6	155	Horizontal	-69.0	-13.0	-56.0	Pass
7135.2	35	Horizontal	-52.0	-13.0	-39.0	Pass
10748.4	182	Horizontal	-56.5	-13.0	-43.5	Pass
14332.1	134	Horizontal	-51.0	-13.0	-38.0	Pass
181.2	61	Vertical	-70.9	-13.0	-57.9	Pass
571.0	154	Vertical	-74.0	-13.0	-61.0	Pass
834.3	108	Vertical	-69.3	-13.0	-56.3	Pass
7204.3	81	Vertical	-53.1	-13.0	-40.1	Pass
10769.4	25	Vertical	-54.4	-13.0	-41.4	Pass
14251.1	263	Vertical	-55.3	-13.0	-42.3	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 80+80M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
176.4	133	Horizontal	-72.5	-13.0	-59.5	Pass
493.2	361	Horizontal	-70.3	-13.0	-57.3	Pass
895.2	162	Horizontal	-69.2	-13.0	-56.2	Pass
7290.7	226	Horizontal	-54.4	-13.0	-41.4	Pass
10895.6	62	Horizontal	-57.4	-13.0	-44.4	Pass
14573.3	283	Horizontal	-54.3	-13.0	-41.3	Pass
248.5	165	Vertical	-68.4	-13.0	-55.4	Pass
608.8	123	Vertical	-71.6	-13.0	-58.6	Pass
830.1	174	Vertical	-69.2	-13.0	-56.2	Pass
7265.5	235	Vertical	-53.4	-13.0	-40.4	Pass
10961.4	32	Vertical	-56.7	-13.0	-43.7	Pass
14590.2	234	Vertical	-56.8	-13.0	-43.8	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 80+80M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
185.9	194	Horizontal	-71.1	-13.0	-58.1	Pass
556.6	277	Horizontal	-72.0	-13.0	-59.0	Pass
882.1	250	Horizontal	-69.2	-13.0	-56.2	Pass
7404.9	296	Horizontal	-58.9	-13.0	-45.9	Pass
11106.0	104	Horizontal	-57.3	-13.0	-44.3	Pass
14822.6	350	Horizontal	-53.6	-13.0	-40.6	Pass
180.9	349	Vertical	-71.8	-13.0	-58.8	Pass
633.6	153	Vertical	-73.1	-13.0	-60.1	Pass
849.7	181	Vertical	-69.0	-13.0	-56.0	Pass
7481.7	308	Vertical	-50.9	-13.0	-37.9	Pass
11104.2	81	Vertical	-60.3	-13.0	-47.3	Pass
14805.6	44	Vertical	-51.2	-13.0	-38.2	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 60+60+60M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
216.5	160	Horizontal	-70.3	-13.0	-57.3	Pass
572.5	144	Horizontal	-70.2	-13.0	-57.2	Pass
894.3	151	Horizontal	-69.3	-13.0	-56.3	Pass
7124.4	37	Horizontal	-51.3	-13.0	-38.3	Pass
10720.8	175	Horizontal	-56.7	-13.0	-43.7	Pass
14321.5	133	Horizontal	-51.3	-13.0	-38.3	Pass
148.4	56	Vertical	-70.3	-13.0	-57.3	Pass
640.6	158	Vertical	-73.8	-13.0	-60.8	Pass
917.7	108	Vertical	-70.0	-13.0	-57.0	Pass
7134.0	90	Vertical	-52.7	-13.0	-39.7	Pass
10697.5	25	Vertical	-54.1	-13.0	-41.1	Pass
14262.4	267	Vertical	-55.4	-13.0	-42.4	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 60+60+60M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
228.0	140	Horizontal	-72.6	-13.0	-59.6	Pass
558.5	359	Horizontal	-71.1	-13.0	-58.1	Pass
815.9	163	Horizontal	-69.5	-13.0	-56.5	Pass
7353.2	220	Horizontal	-53.6	-13.0	-40.6	Pass
10911.1	67	Horizontal	-56.9	-13.0	-43.9	Pass
14587.0	284	Horizontal	-54.6	-13.0	-41.6	Pass
193.3	161	Vertical	-68.5	-13.0	-55.5	Pass
548.8	125	Vertical	-72.0	-13.0	-59.0	Pass
853.3	172	Vertical	-69.4	-13.0	-56.4	Pass
7265.8	232	Vertical	-53.4	-13.0	-40.4	Pass
10958.8	38	Vertical	-57.6	-13.0	-44.6	Pass
14619.3	235	Vertical	-56.1	-13.0	-43.1	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 60+60+60M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
244.6	188	Horizontal	-70.3	-13.0	-57.3	Pass
512.4	277	Horizontal	-72.1	-13.0	-59.1	Pass
799.5	255	Horizontal	-69.6	-13.0	-56.6	Pass
7403.6	299	Horizontal	-59.1	-13.0	-46.1	Pass
11176.9	100	Horizontal	-57.6	-13.0	-44.6	Pass
14882.4	343	Horizontal	-53.6	-13.0	-40.6	Pass
182.2	341	Vertical	-71.7	-13.0	-58.7	Pass
607.6	154	Vertical	-73.8	-13.0	-60.8	Pass
846.6	173	Vertical	-68.9	-13.0	-55.9	Pass
7437.2	310	Vertical	-51.0	-13.0	-38.0	Pass
11194.9	81	Vertical	-59.5	-13.0	-46.5	Pass
14824.7	43	Vertical	-50.6	-13.0	-37.6	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 40+40+40+40M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
205.4	162	Horizontal	-70.1	-13.0	-57.1	Pass
517.0	135	Horizontal	-69.9	-13.0	-56.9	Pass
881.8	158	Horizontal	-68.8	-13.0	-55.8	Pass
7218.8	41	Horizontal	-51.9	-13.0	-38.9	Pass
10769.8	174	Horizontal	-56.7	-13.0	-43.7	Pass
14267.4	129	Horizontal	-51.3	-13.0	-38.3	Pass
158.3	52	Vertical	-70.7	-13.0	-57.7	Pass
651.3	158	Vertical	-73.5	-13.0	-60.5	Pass
842.5	110	Vertical	-69.7	-13.0	-56.7	Pass
7139.0	82	Vertical	-52.9	-13.0	-39.9	Pass
10749.7	20	Vertical	-54.6	-13.0	-41.6	Pass
14259.6	269	Vertical	-55.3	-13.0	-42.3	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 40+40+40+40M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
178.2	131	Horizontal	-72.8	-13.0	-59.8	Pass
557.0	357	Horizontal	-70.1	-13.0	-57.1	Pass
845.8	161	Horizontal	-68.6	-13.0	-55.6	Pass
7314.1	225	Horizontal	-54.2	-13.0	-41.2	Pass
10966.7	63	Horizontal	-57.2	-13.0	-44.2	Pass
14528.3	281	Horizontal	-54.7	-13.0	-41.7	Pass
201.6	168	Vertical	-68.6	-13.0	-55.6	Pass
550.1	126	Vertical	-72.1	-13.0	-59.1	Pass
869.8	181	Vertical	-69.5	-13.0	-56.5	Pass
7361.0	231	Vertical	-53.2	-13.0	-40.2	Pass
10985.0	39	Vertical	-56.8	-13.0	-43.8	Pass
14546.5	230	Vertical	-56.4	-13.0	-43.4	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 40+40+40+40M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
251.7	193	Horizontal	-70.8	-13.0	-57.8	Pass
530.6	279	Horizontal	-72.4	-13.0	-59.4	Pass
824.1	258	Horizontal	-69.9	-13.0	-56.9	Pass
7471.1	300	Horizontal	-59.7	-13.0	-46.7	Pass
11133.6	98	Horizontal	-57.5	-13.0	-44.5	Pass
14808.2	347	Horizontal	-53.7	-13.0	-40.7	Pass
234.6	348	Vertical	-71.5	-13.0	-58.5	Pass
602.7	155	Vertical	-73.5	-13.0	-60.5	Pass
859.5	176	Vertical	-69.2	-13.0	-56.2	Pass
7482.5	308	Vertical	-51.7	-13.0	-38.7	Pass
11177.0	87	Vertical	-59.4	-13.0	-46.4	Pass
14889.1	47	Vertical	-50.9	-13.0	-37.9	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 20+20+20+20+20M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
236.5	162	Horizontal	-69.9	-13.0	-56.9	Pass
511.7	141	Horizontal	-70.1	-13.0	-57.1	Pass
817.7	152	Horizontal	-69.1	-13.0	-56.1	Pass
7157.3	42	Horizontal	-51.2	-13.0	-38.2	Pass
10757.5	178	Horizontal	-57.0	-13.0	-44.0	Pass
14274.8	135	Horizontal	-50.8	-13.0	-37.8	Pass
222.8	60	Vertical	-71.1	-13.0	-58.1	Pass
605.4	157	Vertical	-74.3	-13.0	-61.3	Pass
826.0	106	Vertical	-70.0	-13.0	-57.0	Pass
7205.8	82	Vertical	-53.1	-13.0	-40.1	Pass
10737.7	18	Vertical	-54.9	-13.0	-41.9	Pass
14307.8	264	Vertical	-55.4	-13.0	-42.4	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 20+20+20+20+20M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
238.1	134	Horizontal	-72.4	-13.0	-59.4	Pass
495.0	359	Horizontal	-70.2	-13.0	-57.2	Pass
821.9	160	Horizontal	-68.7	-13.0	-55.7	Pass
7302.3	227	Horizontal	-54.2	-13.0	-41.2	Pass
10958.7	67	Horizontal	-56.7	-13.0	-43.7	Pass
14562.5	277	Horizontal	-54.0	-13.0	-41.0	Pass
255.0	162	Vertical	-68.3	-13.0	-55.3	Pass
582.3	130	Vertical	-71.8	-13.0	-58.8	Pass
895.9	177	Vertical	-69.8	-13.0	-56.8	Pass
7310.9	235	Vertical	-53.3	-13.0	-40.3	Pass
10980.2	36	Vertical	-56.9	-13.0	-43.9	Pass
14591.5	235	Vertical	-56.8	-13.0	-43.8	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 20+20+20+20+20M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
198.3	185	Horizontal	-70.9	-13.0	-57.9	Pass
584.3	285	Horizontal	-72.0	-13.0	-59.0	Pass
840.7	258	Horizontal	-69.2	-13.0	-56.2	Pass
7480.6	297	Horizontal	-59.7	-13.0	-46.7	Pass
11188.1	106	Horizontal	-57.1	-13.0	-44.1	Pass
14858.8	350	Horizontal	-53.5	-13.0	-40.5	Pass
225.8	344	Vertical	-71.4	-13.0	-58.4	Pass
594.5	149	Vertical	-73.3	-13.0	-60.3	Pass
862.3	171	Vertical	-68.6	-13.0	-55.6	Pass
7439.0	310	Vertical	-51.4	-13.0	-38.4	Pass
11156.0	83	Vertical	-59.4	-13.0	-46.4	Pass
14874.2	46	Vertical	-50.8	-13.0	-37.8	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 20+20+20+20+20+20M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
159.4	159	Horizontal	-69.9	-13.0	-56.9	Pass
530.4	139	Horizontal	-70.8	-13.0	-57.8	Pass
878.6	153	Horizontal	-69.4	-13.0	-56.4	Pass
7125.3	44	Horizontal	-51.6	-13.0	-38.6	Pass
10727.1	181	Horizontal	-56.4	-13.0	-43.4	Pass
14261.6	131	Horizontal	-51.2	-13.0	-38.2	Pass
218.3	58	Vertical	-70.8	-13.0	-57.8	Pass
619.6	156	Vertical	-74.0	-13.0	-61.0	Pass
907.3	106	Vertical	-69.9	-13.0	-56.9	Pass
7171.9	81	Vertical	-52.8	-13.0	-39.8	Pass
10723.8	22	Vertical	-54.0	-13.0	-41.0	Pass
14322.8	264	Vertical	-55.1	-13.0	-42.1	Pass



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5G NR n77 Continuous CA, Nominal Bandwidth: 20+20+20+20+20+20M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
189.7	139	Horizontal	-73.3	-13.0	-60.3	Pass
491.5	362	Horizontal	-70.9	-13.0	-57.9	Pass
888.7	160	Horizontal	-69.2	-13.0	-56.2	Pass
7283.7	224	Horizontal	-53.7	-13.0	-40.7	Pass
10964.2	64	Horizontal	-56.6	-13.0	-43.6	Pass
14540.1	284	Horizontal	-54.0	-13.0	-41.0	Pass
201.1	167	Vertical	-68.4	-13.0	-55.4	Pass
560.2	123	Vertical	-72.1	-13.0	-59.1	Pass
918.3	173	Vertical	-69.7	-13.0	-56.7	Pass
7343.6	235	Vertical	-53.4	-13.0	-40.4	Pass
10932.9	33	Vertical	-57.3	-13.0	-44.3	Pass
14536.9	233	Vertical	-56.8	-13.0	-43.8	Pass

5G NR n77 Continuous CA, Nominal Bandwidth: 20+20+20+20+20+20M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
255.6	194	Horizontal	-70.6	-13.0	-57.6	Pass
510.9	278	Horizontal	-72.7	-13.0	-59.7	Pass
877.4	259	Horizontal	-69.9	-13.0	-56.9	Pass
7422.5	292	Horizontal	-59.1	-13.0	-46.1	Pass
11187.7	100	Horizontal	-57.6	-13.0	-44.6	Pass
14817.5	349	Horizontal	-53.7	-13.0	-40.7	Pass
185.7	349	Vertical	-72.0	-13.0	-59.0	Pass
618.7	154	Vertical	-73.2	-13.0	-60.2	Pass
904.5	178	Vertical	-68.5	-13.0	-55.5	Pass
7414.9	307	Vertical	-50.9	-13.0	-37.9	Pass
11121.1	86	Vertical	-59.4	-13.0	-46.4	Pass
14885.6	47	Vertical	-51.1	-13.0	-38.1	Pass



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5G NR n77 Non Continuous CA, Nominal Bandwidth: 10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
158.5	169	Horizontal	-70.8	-13.0	-57.8	Pass
530.5	135	Horizontal	-70.6	-13.0	-57.6	Pass
872.2	158	Horizontal	-69.6	-13.0	-56.6	Pass
7199.3	36	Horizontal	-52.0	-13.0	-39.0	Pass
10771.8	177	Horizontal	-56.9	-13.0	-43.9	Pass
14326.6	131	Horizontal	-50.5	-13.0	-37.5	Pass
180.0	53	Vertical	-70.3	-13.0	-57.3	Pass
640.8	154	Vertical	-73.7	-13.0	-60.7	Pass
910.8	103	Vertical	-69.5	-13.0	-56.5	Pass
7206.7	87	Vertical	-53.1	-13.0	-40.1	Pass
10752.4	17	Vertical	-53.9	-13.0	-40.9	Pass
14285.3	265	Vertical	-55.2	-13.0	-42.2	Pass

5G NR n77 Non Continuous CA, Nominal Bandwidth: 10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
166.7	139	Horizontal	-72.9	-13.0	-59.9	Pass
517.1	356	Horizontal	-70.7	-13.0	-57.7	Pass
882.1	160	Horizontal	-68.9	-13.0	-55.9	Pass
7305.8	220	Horizontal	-53.9	-13.0	-40.9	Pass
10909.3	65	Horizontal	-56.6	-13.0	-43.6	Pass
14569.3	278	Horizontal	-53.9	-13.0	-40.9	Pass
193.3	167	Vertical	-69.0	-13.0	-56.0	Pass
626.8	127	Vertical	-72.1	-13.0	-59.1	Pass
920.1	172	Vertical	-69.2	-13.0	-56.2	Pass
7329.9	236	Vertical	-53.8	-13.0	-40.8	Pass
10960.0	31	Vertical	-57.5	-13.0	-44.5	Pass
14596.6	231	Vertical	-56.1	-13.0	-43.1	Pass



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5G NR n77 Non Continuous CA, Nominal Bandwidth: 10+10M_ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
174.8	187	Horizontal	-70.4	-13.0	-57.4	Pass
565.0	279	Horizontal	-71.8	-13.0	-58.8	Pass
888.0	250	Horizontal	-69.2	-13.0	-56.2	Pass
7494.7	297	Horizontal	-59.2	-13.0	-46.2	Pass
11160.1	105	Horizontal	-56.8	-13.0	-43.8	Pass
14804.3	349	Horizontal	-53.5	-13.0	-40.5	Pass
196.6	341	Vertical	-71.6	-13.0	-58.6	Pass
599.3	155	Vertical	-73.9	-13.0	-60.9	Pass
897.0	174	Vertical	-69.0	-13.0	-56.0	Pass
7403.8	306	Vertical	-51.2	-13.0	-38.2	Pass
11167.7	79	Vertical	-59.3	-13.0	-46.3	Pass
14843.7	47	Vertical	-51.1	-13.0	-38.1	Pass

5G NR n77 Non Continuous CA, Nominal Bandwidth: 80+80M_ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
197.2	162	Horizontal	-70.7	-13.0	-57.7	Pass
569.9	139	Horizontal	-70.7	-13.0	-57.7	Pass
822.4	154	Horizontal	-68.9	-13.0	-55.9	Pass
7150.0	41	Horizontal	-52.0	-13.0	-39.0	Pass
10704.9	181	Horizontal	-56.5	-13.0	-43.5	Pass
14278.9	134	Horizontal	-50.9	-13.0	-37.9	Pass
204.3	60	Vertical	-71.0	-13.0	-58.0	Pass
600.4	151	Vertical	-74.1	-13.0	-61.1	Pass
857.8	107	Vertical	-69.8	-13.0	-56.8	Pass
7203.7	80	Vertical	-53.5	-13.0	-40.5	Pass
10762.6	21	Vertical	-54.5	-13.0	-41.5	Pass
14271.3	268	Vertical	-55.4	-13.0	-42.4	Pass



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5G NR n77 Non Continuous CA, Nominal Bandwidth: 80+80M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit	Over limit	Result
	(Deg)	Polaxis	(dBm)	dBm	dB	
211.4	133	Horizontal	-73.0	-13.0	-60.0	Pass
575.7	356	Horizontal	-70.6	-13.0	-57.6	Pass
856.4	155	Horizontal	-69.3	-13.0	-56.3	Pass
7322.4	226	Horizontal	-54.2	-13.0	-41.2	Pass
10897.1	67	Horizontal	-57.1	-13.0	-44.1	Pass
14592.4	278	Horizontal	-53.9	-13.0	-40.9	Pass
243.4	166	Vertical	-69.2	-13.0	-56.2	Pass
579.8	129	Vertical	-71.9	-13.0	-58.9	Pass
875.7	173	Vertical	-69.4	-13.0	-56.4	Pass
7290.2	235	Vertical	-53.4	-13.0	-40.4	Pass
10904.5	31	Vertical	-57.3	-13.0	-44.3	Pass
14583.4	234	Vertical	-56.4	-13.0	-43.4	Pass

5G NR n77 Non Continuous CA, Nominal Bandwidth: 80+80M_ High channel						
Frequency (MHz)	Spurious Emission Level			Limit	Over limit	Result
	(Deg)	Polaxis	(dBm)	dBm	dB	
197.4	192	Horizontal	-70.9	-13.0	-57.9	Pass
566.8	283	Horizontal	-72.4	-13.0	-59.4	Pass
862.5	253	Horizontal	-69.6	-13.0	-56.6	Pass
7462.7	294	Horizontal	-59.3	-13.0	-46.3	Pass
11178.9	106	Horizontal	-57.5	-13.0	-44.5	Pass
14866.1	348	Horizontal	-53.3	-13.0	-40.3	Pass
191.4	345	Vertical	-71.5	-13.0	-58.5	Pass
616.3	149	Vertical	-73.0	-13.0	-60.0	Pass
850.0	173	Vertical	-68.3	-13.0	-55.3	Pass
7425.0	308	Vertical	-51.3	-13.0	-38.3	Pass
11120.0	82	Vertical	-60.1	-13.0	-47.1	Pass
14859.1	45	Vertical	-50.8	-13.0	-37.8	Pass



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5G NR n77 Non Continuous CA, Nominal Bandwidth: 60+60+60M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
202.2	164	Horizontal	-70.3	-13.0	-57.3	Pass
548.8	142	Horizontal	-70.4	-13.0	-57.4	Pass
897.1	153	Horizontal	-69.3	-13.0	-56.3	Pass
7132.5	39	Horizontal	-51.7	-13.0	-38.7	Pass
10780.1	175	Horizontal	-56.7	-13.0	-43.7	Pass
14266.1	129	Horizontal	-50.8	-13.0	-37.8	Pass
243.5	57	Vertical	-70.3	-13.0	-57.3	Pass
593.7	154	Vertical	-73.8	-13.0	-60.8	Pass
861.5	108	Vertical	-70.1	-13.0	-57.1	Pass
7208.0	81	Vertical	-53.5	-13.0	-40.5	Pass
10741.3	19	Vertical	-54.0	-13.0	-41.0	Pass
14249.7	270	Vertical	-55.1	-13.0	-42.1	Pass

5G NR n77 Non Continuous CA, Nominal Bandwidth: 60+60+60M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
194.5	132	Horizontal	-72.8	-13.0	-59.8	Pass
567.7	360	Horizontal	-70.8	-13.0	-57.8	Pass
860.3	155	Horizontal	-69.5	-13.0	-56.5	Pass
7350.8	224	Horizontal	-54.5	-13.0	-41.5	Pass
10911.7	63	Horizontal	-56.9	-13.0	-43.9	Pass
14540.8	283	Horizontal	-54.0	-13.0	-41.0	Pass
191.3	161	Vertical	-69.0	-13.0	-56.0	Pass
605.9	129	Vertical	-72.3	-13.0	-59.3	Pass
875.5	172	Vertical	-69.8	-13.0	-56.8	Pass
7358.9	230	Vertical	-53.5	-13.0	-40.5	Pass
10940.4	34	Vertical	-57.1	-13.0	-44.1	Pass
14567.4	232	Vertical	-56.4	-13.0	-43.4	Pass



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5G NR n77 Non Continuous CA, Nominal Bandwidth: 60+60+60M_ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
182.5	192	Horizontal	-70.4	-13.0	-57.4	Pass
591.4	283	Horizontal	-72.0	-13.0	-59.0	Pass
844.4	252	Horizontal	-69.7	-13.0	-56.7	Pass
7424.5	296	Horizontal	-59.1	-13.0	-46.1	Pass
11186.0	98	Horizontal	-56.7	-13.0	-43.7	Pass
14878.1	350	Horizontal	-53.5	-13.0	-40.5	Pass
158.5	349	Vertical	-71.4	-13.0	-58.4	Pass
599.3	153	Vertical	-73.1	-13.0	-60.1	Pass
813.0	172	Vertical	-68.5	-13.0	-55.5	Pass
7459.5	308	Vertical	-51.5	-13.0	-38.5	Pass
11165.9	83	Vertical	-60.2	-13.0	-47.2	Pass
14897.7	48	Vertical	-50.7	-13.0	-37.7	Pass

5G NR n77 Non Continuous CA, Nominal Bandwidth: 40+40+40+40M_ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
198.3	167	Horizontal	-70.6	-13.0	-57.6	Pass
566.3	143	Horizontal	-70.5	-13.0	-57.5	Pass
886.9	153	Horizontal	-69.6	-13.0	-56.6	Pass
7215.0	38	Horizontal	-51.2	-13.0	-38.2	Pass
10707.9	173	Horizontal	-57.2	-13.0	-44.2	Pass
14281.7	130	Horizontal	-50.4	-13.0	-37.4	Pass
238.8	53	Vertical	-70.4	-13.0	-57.4	Pass
636.1	158	Vertical	-74.3	-13.0	-61.3	Pass
847.6	105	Vertical	-70.1	-13.0	-57.1	Pass
7155.2	88	Vertical	-53.2	-13.0	-40.2	Pass
10722.4	23	Vertical	-54.1	-13.0	-41.1	Pass
14317.8	264	Vertical	-55.2	-13.0	-42.2	Pass



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5G NR n77 Non Continuous CA, Nominal Bandwidth: 40+40+40+40M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
250.2	137	Horizontal	-73.2	-13.0	-60.2	Pass
546.5	359	Horizontal	-70.2	-13.0	-57.2	Pass
870.8	159	Horizontal	-69.3	-13.0	-56.3	Pass
7268.8	223	Horizontal	-54.1	-13.0	-41.1	Pass
10952.9	62	Horizontal	-57.0	-13.0	-44.0	Pass
14588.2	282	Horizontal	-53.9	-13.0	-40.9	Pass
236.1	166	Vertical	-69.1	-13.0	-56.1	Pass
626.7	122	Vertical	-72.3	-13.0	-59.3	Pass
865.8	178	Vertical	-69.4	-13.0	-56.4	Pass
7282.9	229	Vertical	-53.2	-13.0	-40.2	Pass
10962.9	38	Vertical	-56.9	-13.0	-43.9	Pass
14571.2	228	Vertical	-56.1	-13.0	-43.1	Pass

5G NR n77 Non Continuous CA, Nominal Bandwidth: 40+40+40+40M_ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
226.5	192	Horizontal	-70.6	-13.0	-57.6	Pass
508.0	282	Horizontal	-72.2	-13.0	-59.2	Pass
857.7	252	Horizontal	-69.7	-13.0	-56.7	Pass
7402.7	294	Horizontal	-58.8	-13.0	-45.8	Pass
11114.8	98	Horizontal	-56.9	-13.0	-43.9	Pass
14897.4	342	Horizontal	-53.1	-13.0	-40.1	Pass
246.0	347	Vertical	-71.9	-13.0	-58.9	Pass
565.7	146	Vertical	-73.3	-13.0	-60.3	Pass
820.6	173	Vertical	-69.0	-13.0	-56.0	Pass
7455.3	306	Vertical	-51.1	-13.0	-38.1	Pass
11154.0	87	Vertical	-59.5	-13.0	-46.5	Pass
14892.3	41	Vertical	-51.0	-13.0	-38.0	Pass



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5G NR n77 Non Continuous CA, Nominal Bandwidth: 20+20+20+20+20M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
238.0	165	Horizontal	-70.0	-13.0	-57.0	Pass
567.2	143	Horizontal	-70.4	-13.0	-57.4	Pass
887.2	155	Horizontal	-69.0	-13.0	-56.0	Pass
7194.2	41	Horizontal	-51.2	-13.0	-38.2	Pass
10777.7	182	Horizontal	-56.7	-13.0	-43.7	Pass
14292.8	131	Horizontal	-50.5	-13.0	-37.5	Pass
190.7	60	Vertical	-71.0	-13.0	-58.0	Pass
620.6	159	Vertical	-73.9	-13.0	-60.9	Pass
873.0	106	Vertical	-69.9	-13.0	-56.9	Pass
7206.8	88	Vertical	-52.8	-13.0	-39.8	Pass
10701.7	24	Vertical	-54.6	-13.0	-41.6	Pass
14255.2	264	Vertical	-55.7	-13.0	-42.7	Pass

5G NR n77 Non Continuous CA, Nominal Bandwidth: 20+20+20+20+20M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
244.1	132	Horizontal	-73.1	-13.0	-60.1	Pass
571.2	355	Horizontal	-70.5	-13.0	-57.5	Pass
817.0	154	Horizontal	-69.3	-13.0	-56.3	Pass
7305.8	223	Horizontal	-54.3	-13.0	-41.3	Pass
10911.5	60	Horizontal	-56.6	-13.0	-43.6	Pass
14566.8	281	Horizontal	-54.2	-13.0	-41.2	Pass
246.0	164	Vertical	-68.5	-13.0	-55.5	Pass
561.3	128	Vertical	-72.1	-13.0	-59.1	Pass
901.7	176	Vertical	-69.4	-13.0	-56.4	Pass
7345.0	229	Vertical	-53.4	-13.0	-40.4	Pass
10978.6	35	Vertical	-57.3	-13.0	-44.3	Pass
14587.5	236	Vertical	-56.2	-13.0	-43.2	Pass



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5G NR n77 Non Continuous CA, Nominal Bandwidth: 20+20+20+20+20M_ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
202.5	192	Horizontal	-70.8	-13.0	-57.8	Pass
525.8	278	Horizontal	-72.6	-13.0	-59.6	Pass
825.9	251	Horizontal	-69.6	-13.0	-56.6	Pass
7444.6	296	Horizontal	-59.5	-13.0	-46.5	Pass
11183.2	104	Horizontal	-57.5	-13.0	-44.5	Pass
14890.6	349	Horizontal	-52.9	-13.0	-39.9	Pass
191.3	343	Vertical	-71.3	-13.0	-58.3	Pass
621.4	155	Vertical	-73.4	-13.0	-60.4	Pass
908.6	177	Vertical	-68.2	-13.0	-55.2	Pass
7444.8	302	Vertical	-50.8	-13.0	-37.8	Pass
11176.3	80	Vertical	-59.8	-13.0	-46.8	Pass
14820.6	47	Vertical	-50.8	-13.0	-37.8	Pass

5G NR n77 Non Continuous CA, Nominal Bandwidth: 20+20+20+20+20+20M_ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
238.4	163	Horizontal	-70.0	-13.0	-57.0	Pass
581.8	135	Horizontal	-70.2	-13.0	-57.2	Pass
892.4	160	Horizontal	-68.9	-13.0	-55.9	Pass
7175.4	40	Horizontal	-51.6	-13.0	-38.6	Pass
10752.1	176	Horizontal	-56.8	-13.0	-43.8	Pass
14280.8	129	Horizontal	-51.2	-13.0	-38.2	Pass
157.2	53	Vertical	-71.1	-13.0	-58.1	Pass
566.7	159	Vertical	-73.6	-13.0	-60.6	Pass
918.5	111	Vertical	-69.5	-13.0	-56.5	Pass
7208.7	88	Vertical	-52.6	-13.0	-39.6	Pass
10753.4	25	Vertical	-54.2	-13.0	-41.2	Pass
14302.3	263	Vertical	-55.5	-13.0	-42.5	Pass



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5G NR n77 Non Continuous CA, Nominal Bandwidth: 20+20+20+20+20+20M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
165.0	135	Horizontal	-73.0	-13.0	-60.0	Pass
515.8	357	Horizontal	-70.1	-13.0	-57.1	Pass
843.2	162	Horizontal	-68.6	-13.0	-55.6	Pass
7291.0	226	Horizontal	-53.7	-13.0	-40.7	Pass
10929.9	67	Horizontal	-57.5	-13.0	-44.5	Pass
14602.4	276	Horizontal	-53.9	-13.0	-40.9	Pass
252.9	164	Vertical	-69.0	-13.0	-56.0	Pass
643.9	127	Vertical	-72.3	-13.0	-59.3	Pass
889.5	173	Vertical	-69.3	-13.0	-56.3	Pass
7340.1	231	Vertical	-53.8	-13.0	-40.8	Pass
10899.4	32	Vertical	-56.7	-13.0	-43.7	Pass
14621.9	234	Vertical	-56.8	-13.0	-43.8	Pass

5G NR n77 Non Continuous CA, Nominal Bandwidth: 20+20+20+20+20+20M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
175.2	194	Horizontal	-70.8	-13.0	-57.8	Pass
547.7	277	Horizontal	-71.9	-13.0	-58.9	Pass
814.0	258	Horizontal	-70.0	-13.0	-57.0	Pass
7438.2	296	Horizontal	-59.5	-13.0	-46.5	Pass
11177.0	105	Horizontal	-57.4	-13.0	-44.4	Pass
14821.2	346	Horizontal	-53.6	-13.0	-40.6	Pass
187.0	343	Vertical	-71.6	-13.0	-58.6	Pass
588.0	155	Vertical	-73.9	-13.0	-60.9	Pass
817.0	176	Vertical	-68.6	-13.0	-55.6	Pass
7440.3	309	Vertical	-51.5	-13.0	-38.5	Pass
11105.4	85	Vertical	-59.4	-13.0	-46.4	Pass
14841.5	45	Vertical	-50.6	-13.0	-37.6	Pass



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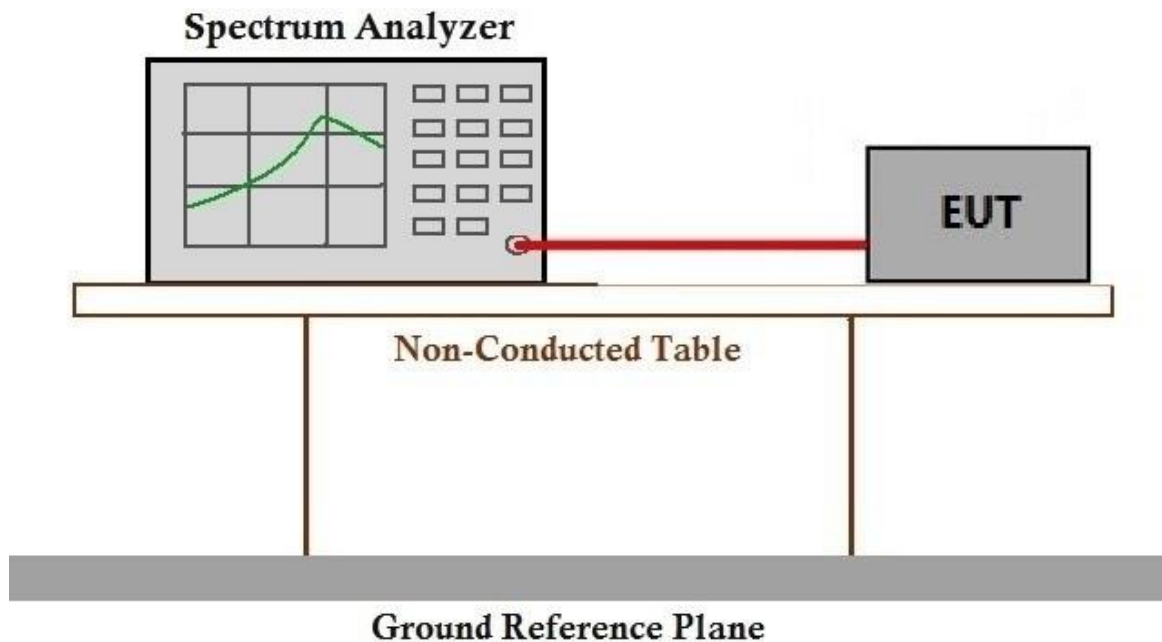
6.7 Frequency stability

Test Requirement: §2.1055
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: Fundamental emission stays within authorized frequency block

6.7.1 E.U.T. Operation

Operating Environment:
 Temperature: 20.4 °C Humidity: 56.4 % RH Atmospheric Pressure: 1030 mbar
 Test mode: Tx mode, Keep the EUT in transmitting mode.

6.7.2 Test Setup Diagram



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6.7.3 Measurement Data

Frequency Stability vs temperature:

1. Test for 5G NR Band n77 Downlink (Middle Channel 3840MHz)

Temperature(°C)	Voltage (V dc)	Frequency Error (Hz)	Tolerance(ppm)
45	48.00	37.21	0.0097
40	48.00	45.63	0.0119
30	48.00	21.45	0.0056
20	48.00	19.78	0.0052
10	48.00	35.66	0.0093
0	48.00	27.69	0.0072
-10	48.00	18.93	0.0049

Frequency Stability vs voltage:

1. Test for 5G NR Band n77 Downlink (Middle Channel 3840MHz)

Voltage (V dc)	Temperature(°C)	Frequency Error (Hz)	Tolerance(ppm)
43.20	25	56.43	0.0147
48.00	25	62.67	0.0163
52.80	25	41.75	0.0109

Remark:

- 1) Pretest with normal and extreme conditions, only the worst case data was showed in the test report.
- 2) We have tested all modulation and all Channel, but only the worst case data displayed in this report.



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7 Photographs - Test Setup

Please refer to test setup photo

8 Photographs - EUT Constructional Details

Please refer to external and internal photo

- End of the Report -



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