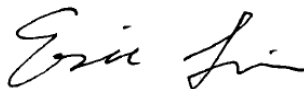


# TEST REPORT

**Application No.:** KSCR2206001043AT  
**FCC ID:** OJFE62-N3-35  
**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 2022-08-10  
**Date of Issue:** 2022-08-12

<b>Test Result:</b>	<b>Pass</b>
---------------------	-------------

\* 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	2022-08-12		/

Authorized for issue by:			
		<i>Damon Zhou</i>	
		<b>Damon Zhou / Project Engineer</b>	
		<i>Eric Lin</i>	
		<b>Eric Lin / Reviewer</b>	



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## 2 Test Summary

Test Item	FCC Rule No.	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §27.50	PASS
Peak-Average Ratio	§27.50	PASS
Bandwidth	§2.1049(h)	PASS
Band Edge Compliance	§2.1051, §27.53	PASS
Spurious emissions at antenna terminals	§2.1051, §27.53	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:	3450MHz to 3550MHz
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 (3450-3550MHz)	30kHz	1 CC	10MHz	3455	3500	3545
			20MHz	3460	3500	3540
			40MHz	3470	3500	3530
			60MHz	3480	3500	3520
			80MHz	3490	3500	3510
			100MHz	/	3500	/
		2 CC	10+10MHz	3460	3500	3540
			40+40MHz	3490	3500	3510
		3 CC	20+20+20MHz	3480	3500	3520
		4 CC	20+20+20+20MHz	3490	3500	3510
		5 CC	10+10+10+10+10MHz	3475	3500	3525
		6 CC	10+10+10+10+10+10MHz	3480	3500	3520



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	SCS	Carrier	Bandwidth (MHz)	Non Continue
				Channel
5G NR (3450-3550MHz)	30kHz	1CC	10MHz	/
			20MHz	/
			40MHz	/
			60MHz	/
			80MHz	/
			100MHz	/
		2CC	10+10MHz	3455+3545
			40+40MHz	3460+3540
		3CC	20+20+20MHz	3460+3500+3540
		4CC	20+20+20+20MHz	3460+3485+3515+3540
		5CC	10+10+10+10+10MHz	3455+3475+3500+3525+3545
		6CC	10+10+10+10+10+10MHz	3455+3473+3491+3509+3527+3545



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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 x 10 <sup>-8</sup>
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
<b>RF Conducted Test</b>						
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	Agilent	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
<b>RF Radiated Test</b>						
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

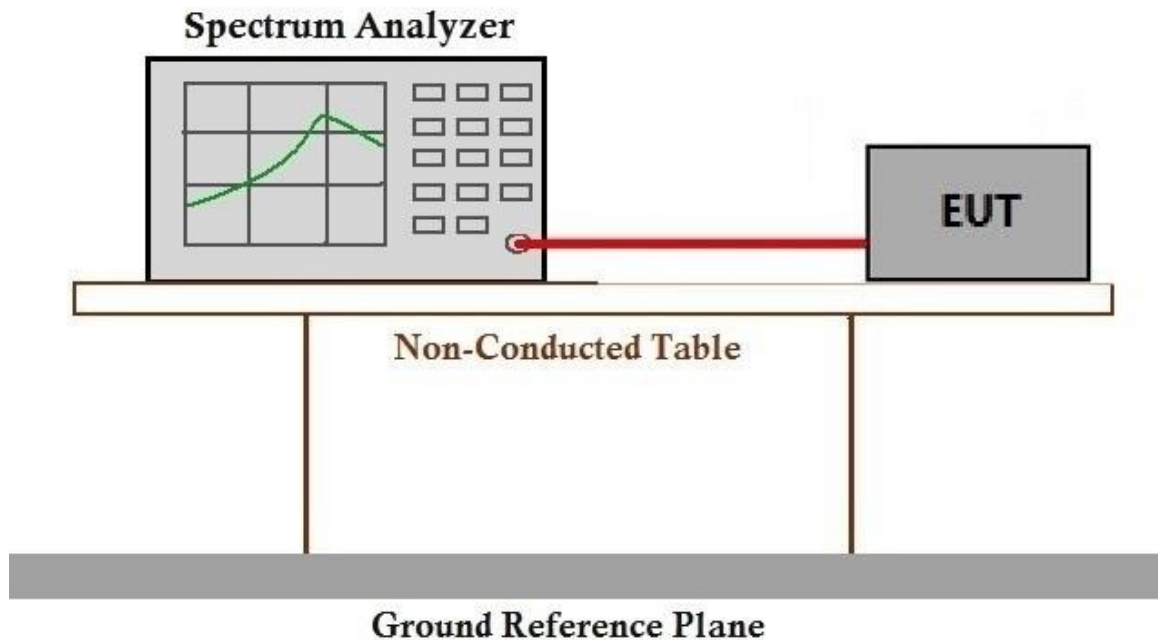
### 6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §27.53  
 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		4*4 MIMO Conducted Power		Ant	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)	Total Power (dBm)	Channel Power (dBm/MHz)	Gain (dBi)			
10M	LCH	QPSK	Full	0	25.43	15.18	31.45	21.20	3	34.45	24.20	62.15
		16QAM	Full	0	25.36	15.15	31.38	21.17	3	34.38	24.17	62.15
		64QAM	Full	0	25.29	15.13	31.31	21.15	3	34.31	24.15	62.15
		256QAM	Full	0	25.22	15.11	31.24	21.13	3	34.24	24.13	62.15
	MCH	QPSK	Full	0	25.45	15.22	31.47	21.24	3	34.47	24.24	62.15
		16QAM	Full	0	25.28	15.16	31.30	21.18	3	34.30	24.18	62.15
		64QAM	Full	0	25.27	15.15	31.29	21.17	3	34.29	24.17	62.15
		256QAM	Full	0	25.23	14.95	31.25	20.97	3	34.25	23.97	62.15
	HCH	QPSK	Full	0	25.44	15.19	31.46	21.21	3	34.46	24.21	62.15
		16QAM	Full	0	25.37	15.17	31.39	21.19	3	34.39	24.19	62.15
		64QAM	Full	0	25.36	15.15	31.38	21.17	3	34.38	24.17	62.15
		256QAM	Full	0	25.23	15.11	31.25	21.13	3	34.25	24.13	62.15
20M	LCH	QPSK	Full	0	25.42	12.47	31.44	18.49	3	34.44	21.49	62.15
		16QAM	Full	0	25.38	12.42	31.40	18.44	3	34.40	21.44	62.15
		64QAM	Full	0	25.32	12.56	31.34	18.58	3	34.34	21.58	62.15
		256QAM	Full	0	25.24	12.27	31.26	18.29	3	34.26	21.29	62.15
	MCH	QPSK	Full	0	25.39	12.67	31.41	18.69	3	34.41	21.69	62.15
		16QAM	Full	0	25.33	12.65	31.35	18.67	3	34.35	21.67	62.15
		64QAM	Full	0	25.29	12.66	31.31	18.68	3	34.31	21.68	62.15
		256QAM	Full	0	25.27	12.32	31.29	18.34	3	34.29	21.34	62.15
	HCH	QPSK	Full	0	25.38	12.72	31.40	18.74	3	34.40	21.74	62.15
		16QAM	Full	0	25.33	12.61	31.35	18.63	3	34.35	21.63	62.15
		64QAM	Full	0	25.32	12.57	31.34	18.59	3	34.34	21.59	62.15
		256QAM	Full	0	25.27	12.64	31.29	18.66	3	34.29	21.66	62.15
40M	LCH	QPSK	Full	0	25.4	9.43	31.42	15.45	3	34.42	18.45	62.15
		16QAM	Full	0	25.35	9.33	31.37	15.35	3	34.37	18.35	62.15
		64QAM	Full	0	25.31	9.29	31.33	15.31	3	34.33	18.31	62.15
		256QAM	Full	0	25.21	9.31	31.23	15.33	3	34.23	18.33	62.15
	MCH	QPSK	Full	0	25.38	9.19	31.40	15.21	3	34.40	18.21	62.15
		16QAM	Full	0	25.34	9.16	31.36	15.18	3	34.36	18.18	62.15
		64QAM	Full	0	25.35	9.13	31.37	15.15	3	34.37	18.15	62.15
		256QAM	Full	0	25.26	9.29	31.28	15.31	3	34.28	18.31	62.15
	HCH	QPSK	Full	0	25.41	9.17	31.43	15.19	3	34.43	18.19	62.15
		16QAM	Full	0	25.38	9.19	31.40	15.21	3	34.40	18.21	62.15
		64QAM	Full	0	25.32	9.22	31.34	15.24	3	34.34	18.24	62.15



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60M	LCH	256QAM	Full	0	25.20	9.33	31.22	15.35	3	34.22	18.35	62.15
		QPSK	Full	0	25.38	7.44	31.40	13.46	3	34.40	16.46	62.15
		16QAM	Full	0	25.25	7.13	31.27	13.15	3	34.27	16.15	62.15
		64QAM	Full	0	25.19	7.02	31.21	13.04	3	34.21	16.04	62.15
	MCH	256QAM	Full	0	25.18	7.60	31.20	13.62	3	34.20	16.62	62.15
		QPSK	Full	0	25.34	7.21	31.36	13.23	3	34.36	16.23	62.15
		16QAM	Full	0	25.28	7.18	31.30	13.20	3	34.30	16.20	62.15
		64QAM	Full	0	25.17	7.20	31.19	13.22	3	34.19	16.22	62.15
	HCH	256QAM	Full	0	25.26	7.25	31.28	13.27	3	34.28	16.27	62.15
		QPSK	Full	0	25.28	7.49	31.30	13.51	3	34.30	16.51	62.15
		16QAM	Full	0	25.25	7.25	31.27	13.27	3	34.27	16.27	62.15
		64QAM	Full	0	25.21	7.15	31.23	13.17	3	34.23	16.17	62.15
80M	LCH	256QAM	Full	0	25.12	7.11	31.14	13.13	3	34.14	16.13	62.15
		QPSK	Full	0	25.36	6.55	31.38	12.57	3	34.38	15.57	62.15
		16QAM	Full	0	25.33	6.28	31.35	12.30	3	34.35	15.30	62.15
		64QAM	Full	0	25.29	6.19	31.31	12.21	3	34.31	15.21	62.15
	MCH	256QAM	Full	0	25.26	6.31	31.28	12.33	3	34.28	15.33	62.15
		QPSK	Full	0	25.28	6.64	31.30	12.66	3	34.30	15.66	62.15
		16QAM	Full	0	25.26	6.61	31.28	12.63	3	34.28	15.63	62.15
		64QAM	Full	0	25.25	6.32	31.27	12.34	3	34.27	15.34	62.15
	HCH	256QAM	Full	0	25.14	6.42	31.16	12.44	3	34.16	15.44	62.15
		QPSK	Full	0	25.34	6.56	31.36	12.58	3	34.36	15.58	62.15
		16QAM	Full	0	25.28	6.35	31.30	12.37	3	34.30	15.37	62.15
		64QAM	Full	0	25.17	6.29	31.19	12.31	3	34.19	15.31	62.15
100M	LCH	256QAM	Full	0	25.12	6.39	31.14	12.41	3	34.14	15.41	62.15
		QPSK	Full	0	25.42	5.76	31.44	11.78	3	34.44	14.78	62.15
		16QAM	Full	0	25.38	5.58	31.40	11.60	3	34.40	14.60	62.15
		64QAM	Full	0	25.31	5.37	31.33	11.39	3	34.33	14.39	62.15
	MCH	256QAM	Full	0	25.10	5.37	31.12	11.39	3	34.12	14.39	62.15
		QPSK	Full	0	25.28	5.75	31.30	11.77	3	34.30	14.77	62.15
		16QAM	Full	0	25.31	5.44	31.33	11.46	3	34.33	14.46	62.15
		64QAM	Full	0	25.35	5.43	31.37	11.45	3	34.37	14.45	62.15
	HCH	256QAM	Full	0	25.26	5.25	31.28	11.27	3	34.28	14.27	62.15
		QPSK	Full	0	25.36	5.62	31.38	11.64	3	34.38	14.64	62.15
		16QAM	Full	0	25.25	5.60	31.27	11.62	3	34.27	14.62	62.15
		64QAM	Full	0	25.21	5.57	31.23	11.59	3	34.23	14.59	62.15
		256QAM	Full	0	25.20	5.75	31.22	11.77	3	34.22	14.77	62.15



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2 Carriers _ SCS 30kHz												
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		4*4 MIMO Conducted Power		Ant	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)	Total Power (dBm)	Channel Power (dBm/MHz)	Gain (dBi)			
10+10M	LCH	QPSK	Full	0	25.40	12.51	31.42	18.53	3	34.42	21.53	62.15
		16QAM	Full	0	25.36	12.41	31.38	18.43	3	34.38	21.43	62.15
		64QAM	Full	0	25.21	12.34	31.23	18.36	3	34.23	21.36	62.15
		256QAM	Full	0	25.20	12.29	31.22	18.31	3	34.22	21.31	62.15
	MCH	QPSK	Full	0	25.44	12.31	31.46	18.33	3	34.46	21.33	62.15
		16QAM	Full	0	25.33	12.25	31.35	18.27	3	34.35	21.27	62.15
		64QAM	Full	0	25.29	12.16	31.31	18.18	3	34.31	21.18	62.15
		256QAM	Full	0	25.14	12.18	31.16	18.20	3	34.16	21.20	62.15
	HCH	QPSK	Full	0	25.34	12.33	31.36	18.35	3	34.36	21.35	62.15
		16QAM	Full	0	25.31	12.26	31.33	18.28	3	34.33	21.28	62.15
		64QAM	Full	0	25.29	12.15	31.31	18.17	3	34.31	21.17	62.15
		256QAM	Full	0	25.22	12.45	31.24	18.47	3	34.24	21.47	62.15
40+40M	LCH	QPSK	Full	0	25.42	9.49	31.44	15.51	3	34.44	18.51	62.15
		16QAM	Full	0	25.31	9.41	31.33	15.43	3	34.33	18.43	62.15
		64QAM	Full	0	25.33	9.43	31.35	15.45	3	34.35	18.45	62.15
		256QAM	Full	0	25.16	9.89	31.18	15.91	3	34.18	18.91	62.15
	MCH	QPSK	Full	0	25.30	9.34	31.32	15.36	3	34.32	18.36	62.15
		16QAM	Full	0	25.34	9.36	31.36	15.38	3	34.36	18.38	62.15
		64QAM	Full	0	25.35	9.37	31.37	15.39	3	34.37	18.39	62.15
		256QAM	Full	0	25.20	9.93	31.22	15.95	3	34.22	18.95	62.15
	HCH	QPSK	Full	0	25.32	9.42	31.34	15.44	3	34.34	18.44	62.15
		16QAM	Full	0	25.34	9.44	31.36	15.46	3	34.36	18.46	62.15
		64QAM	Full	0	25.31	9.56	31.33	15.58	3	34.33	18.58	62.15
		256QAM	Full	0	25.08	9.45	31.10	15.47	3	34.10	18.47	62.15



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3 Carriers _ SCS 30kHz												
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		4*4 MIMO Conducted Power		Ant	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)	Total Power (dBm)	Channel Power (dBm/MHz)	Gain (dBi)			
20+20+20M	LCH	QPSK	Full	0	25.44	7.64	31.46	13.66	3	34.46	16.66	62.15
		16QAM	Full	0	25.33	7.58	31.35	13.60	3	34.35	16.60	62.15
		64QAM	Full	0	25.17	7.41	31.19	13.43	3	34.19	16.43	62.15
		256QAM	Full	0	25.20	7.35	31.22	13.37	3	34.22	16.37	62.15
	MCH	QPSK	Full	0	25.36	7.54	31.38	13.56	3	34.38	16.56	62.15
		16QAM	Full	0	25.41	7.56	31.43	13.58	3	34.43	16.58	62.15
		64QAM	Full	0	25.29	7.51	31.31	13.53	3	34.31	16.53	62.15
		256QAM	Full	0	25.08	7.64	31.10	13.66	3	34.10	16.66	62.15
	HCH	QPSK	Full	0	25.46	7.92	31.48	13.94	3	34.48	16.94	62.15
		16QAM	Full	0	25.38	7.84	31.40	13.86	3	34.40	16.86	62.15
		64QAM	Full	0	25.35	7.94	31.37	13.96	3	34.37	16.96	62.15
		256QAM	Full	0	25.12	7.47	31.14	13.49	3	34.14	16.49	62.15

4 Carriers _ SCS 30kHz												
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		4*4 MIMO Conducted Power		Ant	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)	Total Power (dBm)	Channel Power (dBm/MHz)	Gain (dBi)			
20+20+20+20M	LCH	QPSK	Full	0	25.42	6.75	31.44	12.77	3	34.44	15.77	62.15
		16QAM	Full	0	25.36	6.78	31.38	12.80	3	34.38	15.80	62.15
		64QAM	Full	0	25.25	6.92	31.27	12.94	3	34.27	15.94	62.15
		256QAM	Full	0	25.16	6.84	31.18	12.86	3	34.18	15.86	62.15
	MCH	QPSK	Full	0	25.46	6.92	31.48	12.94	3	34.48	15.94	62.15
		16QAM	Full	0	25.33	6.54	31.35	12.56	3	34.35	15.56	62.15
		64QAM	Full	0	25.19	6.39	31.21	12.41	3	34.21	15.41	62.15
		256QAM	Full	0	25.18	6.45	31.20	12.47	3	34.20	15.47	62.15
	HCH	QPSK	Full	0	25.34	6.81	31.36	12.83	3	34.36	15.83	62.15
		16QAM	Full	0	25.41	6.85	31.43	12.87	3	34.43	15.87	62.15
		64QAM	Full	0	25.23	6.64	31.25	12.66	3	34.25	15.66	62.15
		256QAM	Full	0	25.14	6.76	31.16	12.78	3	34.16	15.78	62.15



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5 Carriers _ SCS 30kHz												
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		4*4 MIMO Conducted Power		Ant Gain (dBi)	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)	Total Power (dBm)	Channel Power (dBm/MHz)				
10+10+10+10+10M	LCH	QPSK	Full	0	25.34	8.88	31.36	14.90	3	34.36	17.90	62.15
		16QAM	Full	0	25.41	8.85	31.43	14.87	3	34.43	17.87	62.15
		64QAM	Full	0	25.29	8.43	31.31	14.45	3	34.31	17.45	62.15
		256QAM	Full	0	25.16	9.22	31.18	15.24	3	34.18	18.24	62.15
	MCH	QPSK	Full	0	25.42	8.42	31.44	14.44	3	34.44	17.44	62.15
		16QAM	Full	0	25.35	8.46	31.37	14.48	3	34.37	17.48	62.15
		64QAM	Full	0	25.27	8.54	31.29	14.56	3	34.29	17.56	62.15
		256QAM	Full	0	25.16	8.75	31.18	14.77	3	34.18	17.77	62.15
	HCH	QPSK	Full	0	25.28	8.23	31.30	14.25	3	34.30	17.25	62.15
		16QAM	Full	0	25.33	8.31	31.35	14.33	3	34.35	17.33	62.15
		64QAM	Full	0	25.27	8.24	31.29	14.26	3	34.29	17.26	62.15
		256QAM	Full	0	25.22	8.91	31.24	14.93	3	34.24	17.93	62.15

6 Carriers _ SCS 30kHz												
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		4*4 MIMO Conducted Power		Ant Gain (dBi)	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)	Total Power (dBm)	Channel Power (dBm/MHz)				
10+10+10+10+10+10M	LCH	QPSK	Full	0	25.36	7.72	31.38	13.74	3	34.38	16.74	62.15
		16QAM	Full	0	25.41	7.78	31.43	13.80	3	34.43	16.80	62.15
		64QAM	Full	0	25.25	7.65	31.27	13.67	3	34.27	16.67	62.15
		256QAM	Full	0	25.10	7.79	31.12	13.81	3	34.12	16.81	62.15
	MCH	QPSK	Full	0	25.38	7.73	31.40	13.75	3	34.40	16.75	62.15
		16QAM	Full	0	25.44	7.86	31.46	13.88	3	34.46	16.88	62.15
		64QAM	Full	0	25.19	7.79	31.21	13.81	3	34.21	16.81	62.15
		256QAM	Full	0	25.26	7.58	31.28	13.60	3	34.28	16.60	62.15
	HCH	QPSK	Full	0	25.42	7.50	31.44	13.52	3	34.44	16.52	62.15
		16QAM	Full	0	25.38	7.48	31.40	13.50	3	34.40	16.50	62.15
		64QAM	Full	0	25.21	7.45	31.23	13.47	3	34.23	16.47	62.15
		256QAM	Full	0	25.16	7.89	31.18	13.91	3	34.18	16.91	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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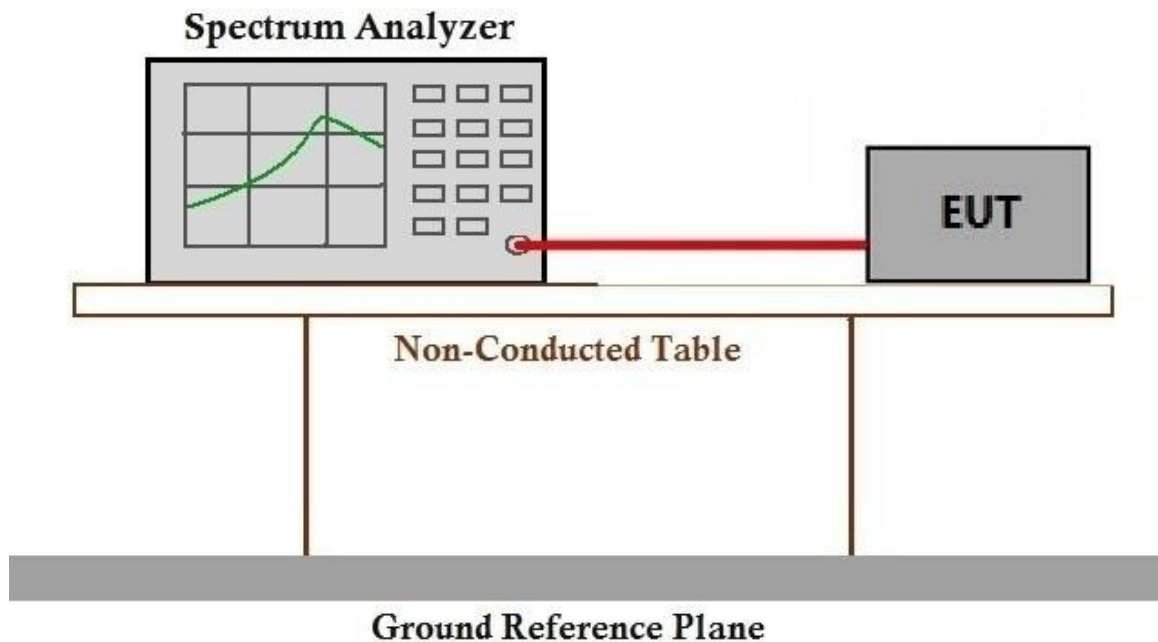
### 6.2 Peak-Average Ratio

Test Requirement: §27.50  
 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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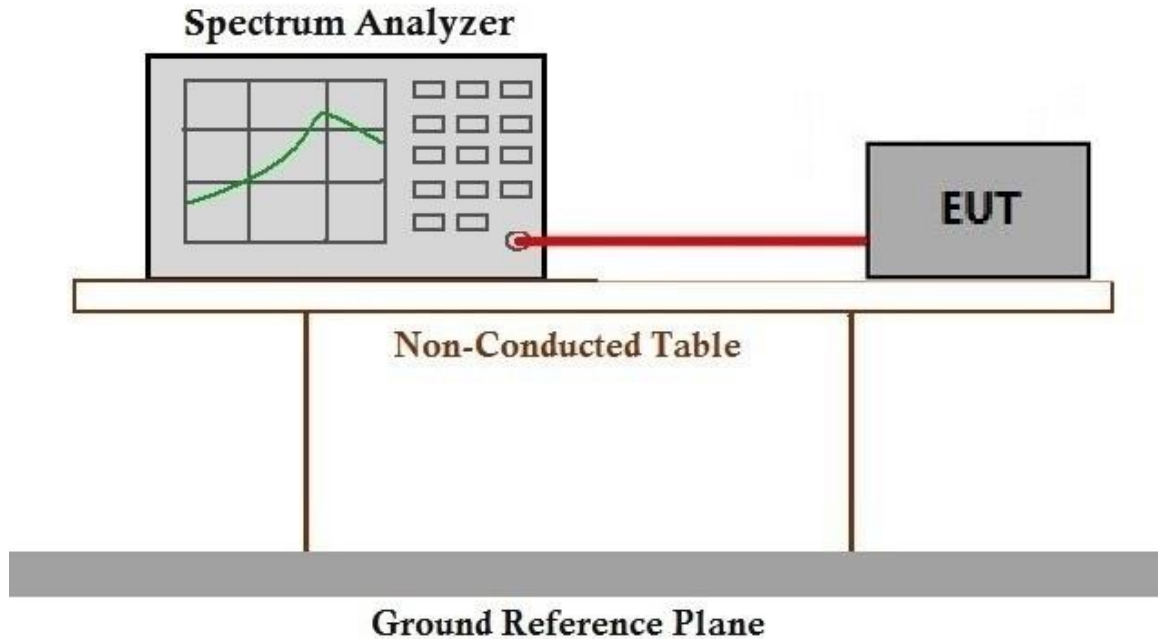
**6.3 Bandwidth**

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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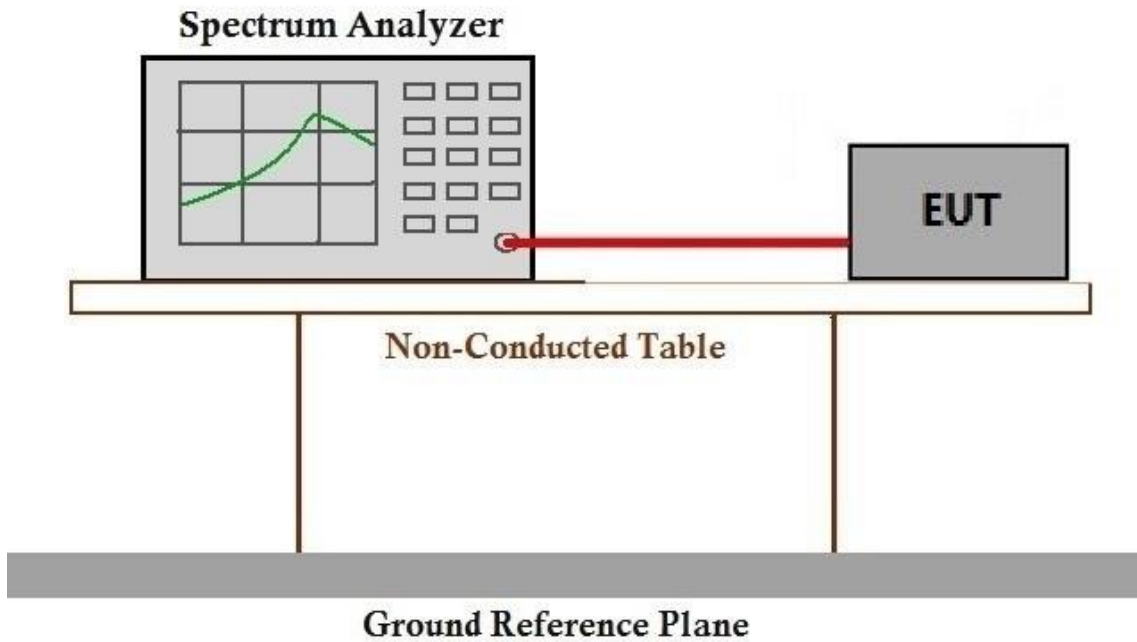
**6.4 Band Edge Compliance**

Test Requirement: §2.1051, §27.53  
 Test Method: ANSI C63.26, KDB 971168 D01 v03  
 Limit: ≤-13dBm/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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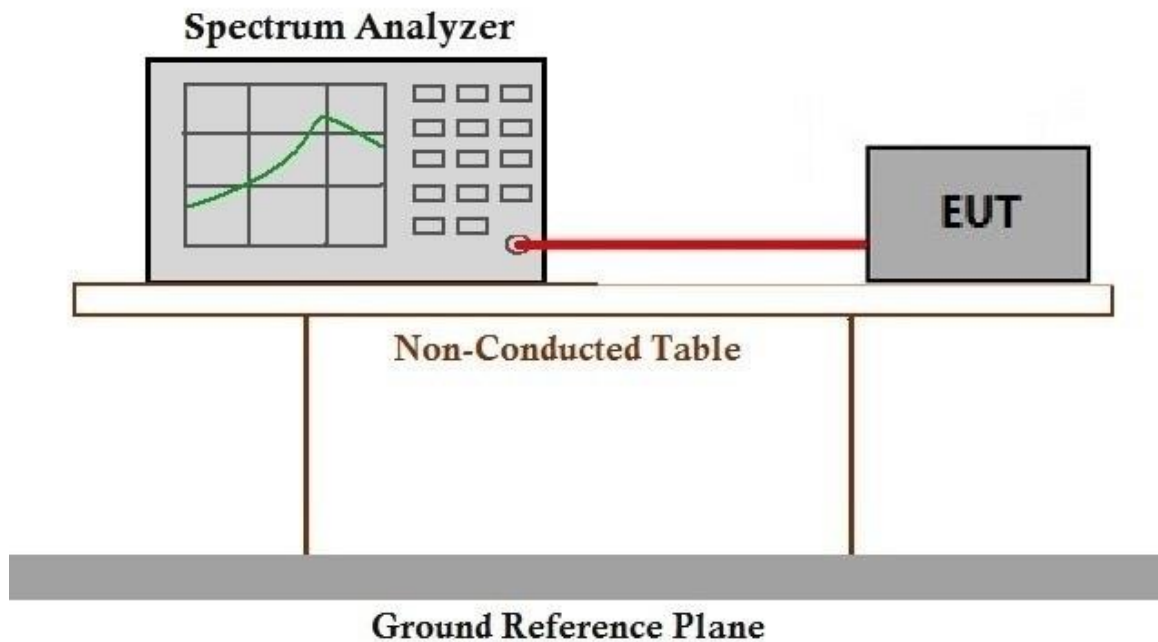
### 6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §27.53  
 Test Method: ANSI C63.26, KDB 971168 D01 v03  
 Limit: ≤-13dBm/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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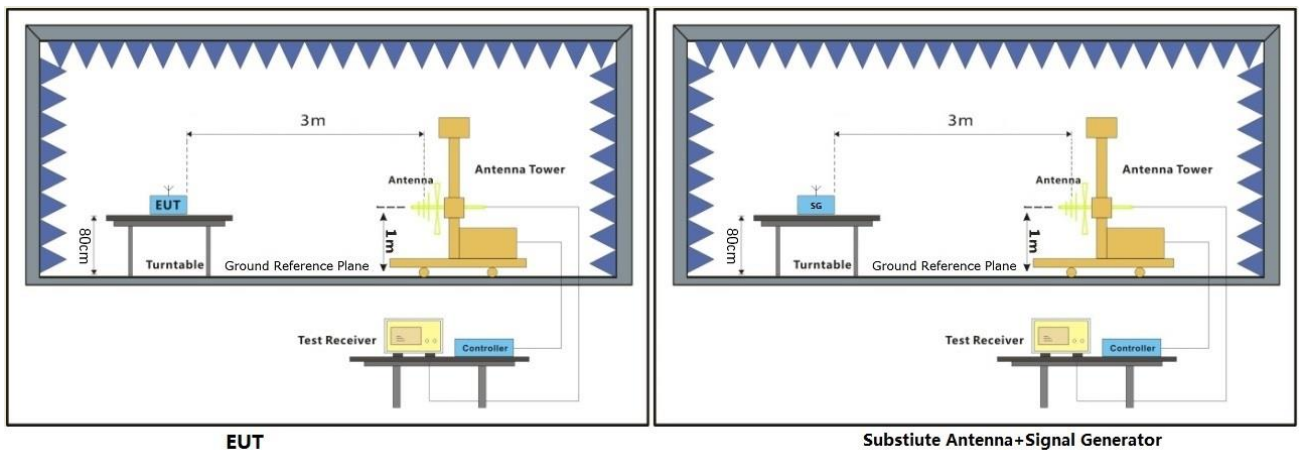
### 6.6 Radiated spurious radiation

Test Requirement: §2.1051, §27.53  
 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 Continuous CA, Nominal Bandwidth: 10M_ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
366.5	221	Horizontal	-70.7	-13.0	-57.7	Pass
663.9	353	Horizontal	-71.0	-13.0	-58.0	Pass
951.8	204	Horizontal	-70.9	-13.0	-57.9	Pass
7201.9	95	Horizontal	-52.0	-13.0	-39.0	Pass
10914.7	81	Horizontal	-58.7	-13.0	-45.7	Pass
14366.2	267	Horizontal	-53.9	-13.0	-40.9	Pass
242.8	312	Vertical	-70.8	-13.0	-57.8	Pass
742.4	137	Vertical	-75.3	-13.0	-62.3	Pass
1002.6	289	Vertical	-69.6	-13.0	-56.6	Pass
7230.4	174	Vertical	-54.4	-13.0	-41.4	Pass
10719.4	9	Vertical	-55.1	-13.0	-42.1	Pass
14395.8	284	Vertical	-55.3	-13.0	-42.3	Pass

5G NR Continuous CA, Nominal Bandwidth: 10M_ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
333.3	288	Horizontal	-73.4	-13.0	-60.4	Pass
608.4	30	Horizontal	-71.6	-13.0	-58.6	Pass
934.3	25	Horizontal	-69.6	-13.0	-56.6	Pass
7422.6	88	Horizontal	-55.2	-13.0	-42.2	Pass
11071.9	199	Horizontal	-58.0	-13.0	-45.0	Pass
14733.9	229	Horizontal	-54.9	-13.0	-41.9	Pass
304.3	54	Vertical	-71.7	-13.0	-58.7	Pass
657.9	359	Vertical	-72.8	-13.0	-59.8	Pass
921.5	272	Vertical	-69.5	-13.0	-56.5	Pass
7427.5	167	Vertical	-54.6	-13.0	-41.6	Pass
11080.7	56	Vertical	-57.8	-13.0	-44.8	Pass
14681.8	108	Vertical	-58.9	-13.0	-45.9	Pass



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5G NR Continuous CA, Nominal Bandwidth: 10M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
273.6	207	Horizontal	-70.4	-13.0	-57.4	Pass
631.3	126	Horizontal	-75.1	-13.0	-62.1	Pass
870.6	137	Horizontal	-68.7	-13.0	-55.7	Pass
7557.4	61	Horizontal	-61.2	-13.0	-48.2	Pass
11257.6	127	Horizontal	-58.7	-13.0	-45.7	Pass
14978.5	305	Horizontal	-52.8	-13.0	-39.8	Pass
247.1	33	Vertical	-73.6	-13.0	-60.6	Pass
658.2	117	Vertical	-73.6	-13.0	-60.6	Pass
953.9	233	Vertical	-70.0	-13.0	-57.0	Pass
7484.0	85	Vertical	-51.5	-13.0	-38.5	Pass
11266.3	268	Vertical	-61.5	-13.0	-48.5	Pass
15052.8	165	Vertical	-51.2	-13.0	-38.2	Pass

5G NR Continuous CA, Nominal Bandwidth: 20M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
315.6	335	Horizontal	-71.7	-13.0	-58.7	Pass
668.0	322	Horizontal	-72.3	-13.0	-59.3	Pass
914.0	84	Horizontal	-70.6	-13.0	-57.6	Pass
7352.6	344	Horizontal	-53.6	-13.0	-40.6	Pass
10815.3	47	Horizontal	-58.7	-13.0	-45.7	Pass
14348.3	24	Horizontal	-54.0	-13.0	-41.0	Pass
399.2	348	Vertical	-72.8	-13.0	-59.8	Pass
765.2	81	Vertical	-75.6	-13.0	-62.6	Pass
911.8	302	Vertical	-70.7	-13.0	-57.7	Pass
7337.5	321	Vertical	-54.3	-13.0	-41.3	Pass
10900.3	211	Vertical	-55.9	-13.0	-42.9	Pass
14318.3	99	Vertical	-56.5	-13.0	-43.5	Pass



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5G NR Continuous CA, Nominal Bandwidth: 20M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
407.0	72	Horizontal	-73.3	-13.0	-60.3	Pass
633.9	85	Horizontal	-71.5	-13.0	-58.5	Pass
852.0	121	Horizontal	-69.6	-13.0	-56.6	Pass
7384.2	242	Horizontal	-55.8	-13.0	-42.8	Pass
11033.5	144	Horizontal	-57.5	-13.0	-44.5	Pass
14566.8	340	Horizontal	-57.2	-13.0	-44.2	Pass
294.2	353	Vertical	-71.4	-13.0	-58.4	Pass
787.3	172	Vertical	-71.8	-13.0	-58.8	Pass
965.6	50	Vertical	-71.5	-13.0	-58.5	Pass
7425.3	80	Vertical	-54.8	-13.0	-41.8	Pass
11071.0	214	Vertical	-57.7	-13.0	-44.7	Pass
14638.8	239	Vertical	-58.8	-13.0	-45.8	Pass

5G NR Continuous CA, Nominal Bandwidth: 20M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
379.6	251	Horizontal	-69.9	-13.0	-56.9	Pass
648.2	277	Horizontal	-73.5	-13.0	-60.5	Pass
908.6	120	Horizontal	-69.5	-13.0	-56.5	Pass
7554.5	205	Horizontal	-59.5	-13.0	-46.5	Pass
11188.9	29	Horizontal	-59.6	-13.0	-46.6	Pass
14961.9	342	Horizontal	-53.0	-13.0	-40.0	Pass
297.6	151	Vertical	-73.3	-13.0	-60.3	Pass
708.6	221	Vertical	-75.3	-13.0	-62.3	Pass
900.6	219	Vertical	-68.7	-13.0	-55.7	Pass
7536.4	264	Vertical	-49.7	-13.0	-36.7	Pass
11240.6	16	Vertical	-59.9	-13.0	-46.9	Pass
14869.1	160	Vertical	-53.0	-13.0	-40.0	Pass



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5G NR Continuous CA, Nominal Bandwidth: 40M_ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
299.2	77	Horizontal	-71.0	-13.0	-58.0	Pass
627.9	204	Horizontal	-73.2	-13.0	-60.2	Pass
862.1	279	Horizontal	-69.9	-13.0	-56.9	Pass
7230.8	292	Horizontal	-51.2	-13.0	-38.2	Pass
10798.7	152	Horizontal	-58.0	-13.0	-45.0	Pass
14419.7	182	Horizontal	-54.3	-13.0	-41.3	Pass
343.0	299	Vertical	-73.3	-13.0	-60.3	Pass
619.0	349	Vertical	-73.5	-13.0	-60.5	Pass
982.7	175	Vertical	-70.0	-13.0	-57.0	Pass
7292.8	189	Vertical	-53.6	-13.0	-40.6	Pass
10845.2	83	Vertical	-56.1	-13.0	-43.1	Pass
14379.9	300	Vertical	-56.5	-13.0	-43.5	Pass

5G NR Continuous CA, Nominal Bandwidth: 40M_ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
291.3	253	Horizontal	-72.7	-13.0	-59.7	Pass
718.7	194	Horizontal	-72.5	-13.0	-59.5	Pass
971.4	245	Horizontal	-70.1	-13.0	-57.1	Pass
7385.6	15	Horizontal	-55.6	-13.0	-42.6	Pass
11075.3	139	Horizontal	-56.6	-13.0	-43.6	Pass
14745.2	184	Horizontal	-56.6	-13.0	-43.6	Pass
336.2	135	Vertical	-71.1	-13.0	-58.1	Pass
597.4	5	Vertical	-74.1	-13.0	-61.1	Pass
988.9	343	Vertical	-70.8	-13.0	-57.8	Pass
7486.3	73	Vertical	-55.3	-13.0	-42.3	Pass
11020.3	251	Vertical	-58.8	-13.0	-45.8	Pass
14734.6	56	Vertical	-58.3	-13.0	-45.3	Pass



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5G NR Continuous CA, Nominal Bandwidth: 40M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
233.8	303	Horizontal	-69.4	-13.0	-56.4	Pass
680.1	203	Horizontal	-76.2	-13.0	-63.2	Pass
883.6	239	Horizontal	-68.4	-13.0	-55.4	Pass
7526.4	43	Horizontal	-61.2	-13.0	-48.2	Pass
11234.2	352	Horizontal	-58.6	-13.0	-45.6	Pass
14950.0	176	Horizontal	-53.3	-13.0	-40.3	Pass
274.3	186	Vertical	-73.0	-13.0	-60.0	Pass
689.6	227	Vertical	-74.6	-13.0	-61.6	Pass
960.8	71	Vertical	-67.7	-13.0	-54.7	Pass
7472.7	96	Vertical	-52.6	-13.0	-39.6	Pass
11286.9	147	Vertical	-62.6	-13.0	-49.6	Pass
15010.0	352	Vertical	-51.5	-13.0	-38.5	Pass

5G NR Continuous CA, Nominal Bandwidth: 60M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
289.7	153	Horizontal	-71.5	-13.0	-58.5	Pass
585.7	126	Horizontal	-71.5	-13.0	-58.5	Pass
939.9	149	Horizontal	-69.9	-13.0	-56.9	Pass
7241.5	31	Horizontal	-52.1	-13.0	-39.1	Pass
10776.0	159	Horizontal	-57.1	-13.0	-44.1	Pass
14396.5	116	Horizontal	-52.5	-13.0	-39.5	Pass
251.5	53	Vertical	-71.4	-13.0	-58.4	Pass
819.6	133	Vertical	-75.0	-13.0	-62.0	Pass
949.5	88	Vertical	-69.4	-13.0	-56.4	Pass
7275.1	75	Vertical	-53.9	-13.0	-40.9	Pass
10809.9	14	Vertical	-55.8	-13.0	-42.8	Pass
14411.2	257	Vertical	-55.5	-13.0	-42.5	Pass



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5G NR Continuous CA, Nominal Bandwidth: 60M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
361.9	120	Horizontal	-74.0	-13.0	-61.0	Pass
592.4	347	Horizontal	-72.3	-13.0	-59.3	Pass
857.2	144	Horizontal	-68.8	-13.0	-55.8	Pass
7378.2	204	Horizontal	-54.1	-13.0	-41.1	Pass
11087.0	44	Horizontal	-58.4	-13.0	-45.4	Pass
14667.0	271	Horizontal	-55.9	-13.0	-42.9	Pass
398.9	158	Vertical	-69.3	-13.0	-56.3	Pass
744.5	120	Vertical	-73.3	-13.0	-60.3	Pass
1000.3	167	Vertical	-69.9	-13.0	-56.9	Pass
7364.0	212	Vertical	-54.1	-13.0	-41.1	Pass
11136.1	26	Vertical	-57.5	-13.0	-44.5	Pass
14707.9	225	Vertical	-57.5	-13.0	-44.5	Pass

5G NR Continuous CA, Nominal Bandwidth: 60M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
308.3	180	Horizontal	-71.6	-13.0	-58.6	Pass
680.6	268	Horizontal	-73.6	-13.0	-60.6	Pass
991.3	253	Horizontal	-69.4	-13.0	-56.4	Pass
7592.4	284	Horizontal	-61.0	-13.0	-48.0	Pass
11248.7	97	Horizontal	-58.1	-13.0	-45.1	Pass
14898.5	339	Horizontal	-55.6	-13.0	-42.6	Pass
271.5	331	Vertical	-73.1	-13.0	-60.1	Pass
709.7	145	Vertical	-75.3	-13.0	-62.3	Pass
952.8	165	Vertical	-69.1	-13.0	-56.1	Pass
7572.4	296	Vertical	-52.6	-13.0	-39.6	Pass
11245.7	76	Vertical	-61.0	-13.0	-48.0	Pass
14911.1	31	Vertical	-51.9	-13.0	-38.9	Pass



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5G NR Continuous CA, Nominal Bandwidth: 80M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
322.5	149	Horizontal	-71.7	-13.0	-58.7	Pass
596.6	133	Horizontal	-70.4	-13.0	-57.4	Pass
997.7	145	Horizontal	-70.2	-13.0	-57.2	Pass
7240.9	30	Horizontal	-51.4	-13.0	-38.4	Pass
10906.2	173	Horizontal	-57.9	-13.0	-44.9	Pass
14392.3	117	Horizontal	-51.5	-13.0	-38.5	Pass
291.4	48	Vertical	-71.4	-13.0	-58.4	Pass
697.4	150	Vertical	-75.1	-13.0	-62.1	Pass
979.9	97	Vertical	-70.8	-13.0	-57.8	Pass
7325.2	79	Vertical	-53.7	-13.0	-40.7	Pass
10732.6	16	Vertical	-55.7	-13.0	-42.7	Pass
14448.7	255	Vertical	-56.4	-13.0	-43.4	Pass

5G NR Continuous CA, Nominal Bandwidth: 80M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
313.3	122	Horizontal	-73.6	-13.0	-60.6	Pass
669.3	351	Horizontal	-71.3	-13.0	-58.3	Pass
946.0	153	Horizontal	-70.6	-13.0	-57.6	Pass
7388.0	222	Horizontal	-55.2	-13.0	-42.2	Pass
11069.9	51	Horizontal	-58.3	-13.0	-45.3	Pass
14641.4	266	Horizontal	-55.2	-13.0	-42.2	Pass
364.6	158	Vertical	-69.6	-13.0	-56.6	Pass
602.2	112	Vertical	-72.1	-13.0	-59.1	Pass
948.6	170	Vertical	-70.2	-13.0	-57.2	Pass
7395.3	222	Vertical	-54.3	-13.0	-41.3	Pass
11095.3	22	Vertical	-57.7	-13.0	-44.7	Pass
14631.4	223	Vertical	-57.6	-13.0	-44.6	Pass



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5G NR Continuous CA, Nominal Bandwidth: 80M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
269.9	177	Horizontal	-71.7	-13.0	-58.7	Pass
671.8	264	Horizontal	-73.3	-13.0	-60.3	Pass
910.8	246	Horizontal	-70.2	-13.0	-57.2	Pass
7596.4	286	Horizontal	-59.6	-13.0	-46.6	Pass
11203.6	93	Horizontal	-58.2	-13.0	-45.2	Pass
14978.8	336	Horizontal	-54.7	-13.0	-41.7	Pass
333.0	333	Vertical	-72.1	-13.0	-59.1	Pass
672.5	135	Vertical	-74.6	-13.0	-61.6	Pass
889.9	163	Vertical	-69.9	-13.0	-56.9	Pass
7578.7	293	Vertical	-52.0	-13.0	-39.0	Pass
11207.7	70	Vertical	-61.0	-13.0	-48.0	Pass
14930.7	26	Vertical	-51.7	-13.0	-38.7	Pass

5G NR Continuous CA, Nominal Bandwidth: 100M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
312.9	155	Horizontal	-71.2	-13.0	-58.2	Pass
622.1	131	Horizontal	-70.8	-13.0	-57.8	Pass
1029.9	152	Horizontal	-69.4	-13.0	-56.4	Pass
7290.7	18	Horizontal	-52.6	-13.0	-39.6	Pass
10754.0	165	Horizontal	-56.7	-13.0	-43.7	Pass
14425.3	121	Horizontal	-51.8	-13.0	-38.8	Pass
292.7	45	Vertical	-71.8	-13.0	-58.8	Pass
686.2	143	Vertical	-74.7	-13.0	-61.7	Pass
1003.6	90	Vertical	-70.6	-13.0	-57.6	Pass
7269.0	72	Vertical	-54.6	-13.0	-41.6	Pass
10893.9	13	Vertical	-55.3	-13.0	-42.3	Pass
14440.2	261	Vertical	-56.7	-13.0	-43.7	Pass



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5G NR Continuous CA, Nominal Bandwidth: 100M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
212.9	127	Horizontal	-73.3	-13.0	-60.3	Pass
614.2	347	Horizontal	-71.9	-13.0	-58.9	Pass
949.8	151	Horizontal	-70.0	-13.0	-57.0	Pass
7406.3	209	Horizontal	-54.4	-13.0	-41.4	Pass
10955.3	49	Horizontal	-57.6	-13.0	-44.6	Pass
14727.5	265	Horizontal	-54.7	-13.0	-41.7	Pass
315.0	148	Vertical	-69.7	-13.0	-56.7	Pass
766.5	111	Vertical	-74.1	-13.0	-61.1	Pass
889.0	163	Vertical	-70.1	-13.0	-57.1	Pass
7486.3	227	Vertical	-54.2	-13.0	-41.2	Pass
11092.3	25	Vertical	-58.5	-13.0	-45.5	Pass
14734.9	226	Vertical	-57.8	-13.0	-44.8	Pass

5G NR Continuous CA, Nominal Bandwidth: 100M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
283.4	181	Horizontal	-71.8	-13.0	-58.8	Pass
704.0	265	Horizontal	-73.3	-13.0	-60.3	Pass
896.6	256	Horizontal	-70.2	-13.0	-57.2	Pass
7643.7	290	Horizontal	-60.8	-13.0	-47.8	Pass
11214.6	93	Horizontal	-58.0	-13.0	-45.0	Pass
14928.9	338	Horizontal	-54.4	-13.0	-41.4	Pass
235.1	336	Vertical	-72.8	-13.0	-59.8	Pass
703.6	148	Vertical	-74.3	-13.0	-61.3	Pass
897.1	174	Vertical	-69.4	-13.0	-56.4	Pass
7601.6	303	Vertical	-52.0	-13.0	-39.0	Pass
11301.4	70	Vertical	-60.0	-13.0	-47.0	Pass
15027.8	36	Vertical	-52.2	-13.0	-39.2	Pass



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5G NR Continuous CA, Nominal Bandwidth: 10+10M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
343.9	157	Horizontal	-70.9	-13.0	-57.9	Pass
724.8	120	Horizontal	-71.8	-13.0	-58.8	Pass
1020.5	145	Horizontal	-69.8	-13.0	-56.8	Pass
7252.9	30	Horizontal	-52.7	-13.0	-39.7	Pass
10919.1	165	Horizontal	-57.3	-13.0	-44.3	Pass
14352.8	125	Horizontal	-51.0	-13.0	-38.0	Pass
264.9	48	Vertical	-71.8	-13.0	-58.8	Pass
645.0	146	Vertical	-75.0	-13.0	-62.0	Pass
1024.2	108	Vertical	-70.9	-13.0	-57.9	Pass
7359.4	66	Vertical	-53.5	-13.0	-40.5	Pass
10869.4	12	Vertical	-55.9	-13.0	-42.9	Pass
14493.7	256	Vertical	-55.5	-13.0	-42.5	Pass

5G NR Continuous CA, Nominal Bandwidth: 10+10M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
363.6	127	Horizontal	-74.1	-13.0	-61.1	Pass
651.4	343	Horizontal	-71.5	-13.0	-58.5	Pass
949.0	144	Horizontal	-69.8	-13.0	-56.8	Pass
7420.6	220	Horizontal	-55.7	-13.0	-42.7	Pass
10981.8	56	Horizontal	-58.3	-13.0	-45.3	Pass
14671.0	271	Horizontal	-55.8	-13.0	-42.8	Pass
310.2	155	Vertical	-70.0	-13.0	-57.0	Pass
697.9	124	Vertical	-73.6	-13.0	-60.6	Pass
1081.6	172	Vertical	-70.6	-13.0	-57.6	Pass
7499.7	223	Vertical	-54.6	-13.0	-41.6	Pass
11019.1	19	Vertical	-57.5	-13.0	-44.5	Pass
14716.9	218	Vertical	-58.2	-13.0	-45.2	Pass



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5G NR Continuous CA, Nominal Bandwidth: 10+10M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
317.7	184	Horizontal	-71.6	-13.0	-58.6	Pass
566.5	259	Horizontal	-73.3	-13.0	-60.3	Pass
926.6	246	Horizontal	-70.2	-13.0	-57.2	Pass
7600.0	291	Horizontal	-60.9	-13.0	-47.9	Pass
11337.3	87	Horizontal	-58.4	-13.0	-45.4	Pass
14899.0	330	Horizontal	-54.1	-13.0	-41.1	Pass
316.1	346	Vertical	-72.6	-13.0	-59.6	Pass
718.7	153	Vertical	-74.5	-13.0	-61.5	Pass
993.4	160	Vertical	-69.3	-13.0	-56.3	Pass
7526.2	294	Vertical	-52.8	-13.0	-39.8	Pass
11222.9	72	Vertical	-60.8	-13.0	-47.8	Pass
14890.6	40	Vertical	-52.0	-13.0	-39.0	Pass

5G NR Continuous CA, Nominal Bandwidth: 20+20M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
324.8	154	Horizontal	-70.7	-13.0	-57.7	Pass
691.9	127	Horizontal	-71.1	-13.0	-58.1	Pass
1019.4	140	Horizontal	-69.6	-13.0	-56.6	Pass
7239.9	24	Horizontal	-52.4	-13.0	-39.4	Pass
10836.4	171	Horizontal	-58.2	-13.0	-45.2	Pass
14393.3	129	Horizontal	-52.5	-13.0	-39.5	Pass
239.3	55	Vertical	-71.8	-13.0	-58.8	Pass
711.5	151	Vertical	-74.5	-13.0	-61.5	Pass
974.0	100	Vertical	-69.8	-13.0	-56.8	Pass
7333.4	68	Vertical	-53.8	-13.0	-40.8	Pass
10899.7	14	Vertical	-55.5	-13.0	-42.5	Pass
14345.4	253	Vertical	-56.1	-13.0	-43.1	Pass



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5G NR Continuous CA, Nominal Bandwidth: 20+20M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
246.8	119	Horizontal	-73.8	-13.0	-60.8	Pass
569.3	346	Horizontal	-71.4	-13.0	-58.4	Pass
955.1	151	Horizontal	-69.7	-13.0	-56.7	Pass
7395.9	220	Horizontal	-55.6	-13.0	-42.6	Pass
11000.2	47	Horizontal	-58.8	-13.0	-45.8	Pass
14648.0	269	Horizontal	-55.5	-13.0	-42.5	Pass
422.8	153	Vertical	-69.1	-13.0	-56.1	Pass
712.6	108	Vertical	-71.9	-13.0	-58.9	Pass
949.5	160	Vertical	-70.2	-13.0	-57.2	Pass
7323.2	225	Vertical	-54.7	-13.0	-41.7	Pass
11105.2	13	Vertical	-58.1	-13.0	-45.1	Pass
14667.9	218	Vertical	-58.2	-13.0	-45.2	Pass

5G NR Continuous CA, Nominal Bandwidth: 20+20M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
265.6	177	Horizontal	-71.9	-13.0	-58.9	Pass
642.7	262	Horizontal	-72.6	-13.0	-59.6	Pass
996.6	235	Horizontal	-70.1	-13.0	-57.1	Pass
7480.9	281	Horizontal	-60.2	-13.0	-47.2	Pass
11167.4	96	Horizontal	-57.4	-13.0	-44.4	Pass
14912.0	341	Horizontal	-54.4	-13.0	-41.4	Pass
196.2	342	Vertical	-72.7	-13.0	-59.7	Pass
703.3	140	Vertical	-74.0	-13.0	-61.0	Pass
981.6	175	Vertical	-70.3	-13.0	-57.3	Pass
7572.5	290	Vertical	-52.5	-13.0	-39.5	Pass
11257.7	77	Vertical	-60.7	-13.0	-47.7	Pass
14826.3	35	Vertical	-52.7	-13.0	-39.7	Pass



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5G NR Continuous CA, Nominal Bandwidth: 20+20+20M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
336.7	145	Horizontal	-72.3	-13.0	-59.3	Pass
690.0	136	Horizontal	-71.4	-13.0	-58.4	Pass
955.8	141	Horizontal	-70.8	-13.0	-57.8	Pass
7157.0	18	Horizontal	-52.6	-13.0	-39.6	Pass
10756.8	171	Horizontal	-57.9	-13.0	-44.9	Pass
14372.2	119	Horizontal	-52.9	-13.0	-39.9	Pass
263.2	51	Vertical	-71.2	-13.0	-58.2	Pass
801.3	148	Vertical	-74.8	-13.0	-61.8	Pass
1008.4	101	Vertical	-71.0	-13.0	-58.0	Pass
7267.2	78	Vertical	-53.1	-13.0	-40.1	Pass
10794.6	16	Vertical	-54.8	-13.0	-41.8	Pass
14388.0	264	Vertical	-56.0	-13.0	-43.0	Pass

5G NR Continuous CA, Nominal Bandwidth: 20+20+20M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
282.0	129	Horizontal	-74.2	-13.0	-61.2	Pass
705.8	354	Horizontal	-72.8	-13.0	-59.8	Pass
960.0	156	Horizontal	-70.4	-13.0	-57.4	Pass
7392.6	212	Horizontal	-54.7	-13.0	-41.7	Pass
10949.0	52	Horizontal	-57.8	-13.0	-44.8	Pass
14661.1	269	Horizontal	-55.8	-13.0	-42.8	Pass
304.2	148	Vertical	-69.1	-13.0	-56.1	Pass
615.8	116	Vertical	-72.8	-13.0	-59.8	Pass
953.6	154	Vertical	-71.1	-13.0	-58.1	Pass
7390.3	221	Vertical	-54.2	-13.0	-41.2	Pass
11008.7	34	Vertical	-58.6	-13.0	-45.6	Pass
14698.9	224	Vertical	-56.7	-13.0	-43.7	Pass



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5G NR Continuous CA, Nominal Bandwidth: 20+20+20M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
321.7	180	Horizontal	-71.2	-13.0	-58.2	Pass
618.8	272	Horizontal	-73.4	-13.0	-60.4	Pass
884.7	243	Horizontal	-71.2	-13.0	-58.2	Pass
7450.2	292	Horizontal	-59.5	-13.0	-46.5	Pass
11264.3	83	Horizontal	-58.5	-13.0	-45.5	Pass
14990.3	335	Horizontal	-55.3	-13.0	-42.3	Pass
249.2	330	Vertical	-72.7	-13.0	-59.7	Pass
650.9	146	Vertical	-74.9	-13.0	-61.9	Pass
984.3	159	Vertical	-69.7	-13.0	-56.7	Pass
7569.1	302	Vertical	-52.0	-13.0	-39.0	Pass
11327.2	70	Vertical	-60.2	-13.0	-47.2	Pass
14899.4	38	Vertical	-51.9	-13.0	-38.9	Pass

5G NR Continuous CA, Nominal Bandwidth: 20+20+20+20M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
296.5	151	Horizontal	-71.4	-13.0	-58.4	Pass
599.0	126	Horizontal	-71.1	-13.0	-58.1	Pass
1009.0	145	Horizontal	-69.7	-13.0	-56.7	Pass
7287.4	32	Horizontal	-53.2	-13.0	-40.2	Pass
10896.9	157	Horizontal	-58.5	-13.0	-45.5	Pass
14425.4	114	Horizontal	-52.7	-13.0	-39.7	Pass
223.1	48	Vertical	-71.9	-13.0	-58.9	Pass
746.8	149	Vertical	-74.5	-13.0	-61.5	Pass
972.0	102	Vertical	-71.1	-13.0	-58.1	Pass
7268.9	73	Vertical	-53.8	-13.0	-40.8	Pass
10892.9	8	Vertical	-56.4	-13.0	-43.4	Pass
14309.9	257	Vertical	-55.8	-13.0	-42.8	Pass



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5G NR Continuous CA, Nominal Bandwidth: 20+20+20+20M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
239.1	120	Horizontal	-73.8	-13.0	-60.8	Pass
694.1	351	Horizontal	-70.4	-13.0	-57.4	Pass
934.5	153	Horizontal	-69.1	-13.0	-56.1	Pass
7450.7	215	Horizontal	-54.5	-13.0	-41.5	Pass
11067.4	50	Horizontal	-57.3	-13.0	-44.3	Pass
14675.1	270	Horizontal	-55.9	-13.0	-42.9	Pass
362.5	165	Vertical	-69.3	-13.0	-56.3	Pass
623.3	121	Vertical	-72.9	-13.0	-59.9	Pass
999.1	174	Vertical	-70.3	-13.0	-57.3	Pass
7451.6	223	Vertical	-54.4	-13.0	-41.4	Pass
11027.3	23	Vertical	-57.8	-13.0	-44.8	Pass
14679.6	221	Vertical	-57.0	-13.0	-44.0	Pass

5G NR Continuous CA, Nominal Bandwidth: 20+20+20+20M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
282.2	175	Horizontal	-71.8	-13.0	-58.8	Pass
601.5	265	Horizontal	-73.5	-13.0	-60.5	Pass
911.1	252	Horizontal	-70.2	-13.0	-57.2	Pass
7556.1	294	Horizontal	-60.4	-13.0	-47.4	Pass
11165.1	94	Horizontal	-58.2	-13.0	-45.2	Pass
14960.9	329	Horizontal	-54.6	-13.0	-41.6	Pass
298.4	330	Vertical	-72.7	-13.0	-59.7	Pass
718.1	149	Vertical	-74.2	-13.0	-61.2	Pass
1009.9	161	Vertical	-70.4	-13.0	-57.4	Pass
7611.6	302	Vertical	-52.4	-13.0	-39.4	Pass
11278.0	68	Vertical	-60.2	-13.0	-47.2	Pass
14970.7	34	Vertical	-52.1	-13.0	-39.1	Pass



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5G NR Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
247.0	153	Horizontal	-71.2	-13.0	-58.2	Pass
543.6	135	Horizontal	-70.2	-13.0	-57.2	Pass
986.2	138	Horizontal	-70.6	-13.0	-57.6	Pass
7258.9	32	Horizontal	-52.3	-13.0	-39.3	Pass
10773.6	169	Horizontal	-58.1	-13.0	-45.1	Pass
14363.1	122	Horizontal	-51.4	-13.0	-38.4	Pass
359.7	53	Vertical	-72.9	-13.0	-59.9	Pass
729.3	151	Vertical	-75.0	-13.0	-62.0	Pass
994.4	91	Vertical	-70.7	-13.0	-57.7	Pass
7299.3	74	Vertical	-53.8	-13.0	-40.8	Pass
10807.0	13	Vertical	-55.3	-13.0	-42.3	Pass
14457.6	255	Vertical	-57.0	-13.0	-44.0	Pass

5G NR Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
344.7	123	Horizontal	-73.3	-13.0	-60.3	Pass
588.6	354	Horizontal	-70.3	-13.0	-57.3	Pass
988.8	153	Horizontal	-69.4	-13.0	-56.4	Pass
7430.6	219	Horizontal	-55.3	-13.0	-42.3	Pass
11055.6	53	Horizontal	-57.0	-13.0	-44.0	Pass
14702.3	268	Horizontal	-54.9	-13.0	-41.9	Pass
342.9	153	Vertical	-69.5	-13.0	-56.5	Pass
747.0	125	Vertical	-72.5	-13.0	-59.5	Pass
962.1	167	Vertical	-70.8	-13.0	-57.8	Pass
7422.4	226	Vertical	-54.9	-13.0	-41.9	Pass
11047.1	27	Vertical	-57.3	-13.0	-44.3	Pass
14631.4	225	Vertical	-58.4	-13.0	-45.4	Pass



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5G NR Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
375.4	121	Horizontal	-73.4	-13.0	-60.4	Pass
551.0	351	Horizontal	-71.1	-13.0	-58.1	Pass
951.4	158	Horizontal	-69.9	-13.0	-56.9	Pass
7366.5	219	Horizontal	-55.4	-13.0	-42.4	Pass
11101.6	63	Horizontal	-57.0	-13.0	-44.0	Pass
14668.7	263	Horizontal	-54.5	-13.0	-41.5	Pass
346.3	152	Vertical	-69.4	-13.0	-56.4	Pass
708.4	121	Vertical	-73.0	-13.0	-60.0	Pass
1051.0	166	Vertical	-70.4	-13.0	-57.4	Pass
7408.0	224	Vertical	-55.1	-13.0	-42.1	Pass
11079.8	25	Vertical	-57.5	-13.0	-44.5	Pass
14693.2	231	Vertical	-58.1	-13.0	-45.1	Pass

5G NR Continuous CA, Nominal Bandwidth: 10+10+10+10+10+10M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
196.6	146	Horizontal	-70.9	-13.0	-57.9	Pass
603.2	127	Horizontal	-71.9	-13.0	-58.9	Pass
972.9	142	Horizontal	-70.4	-13.0	-57.4	Pass
7217.2	31	Horizontal	-52.3	-13.0	-39.3	Pass
10825.0	168	Horizontal	-57.5	-13.0	-44.5	Pass
14332.6	123	Horizontal	-52.2	-13.0	-39.2	Pass
326.9	45	Vertical	-71.7	-13.0	-58.7	Pass
665.8	144	Vertical	-74.6	-13.0	-61.6	Pass
987.5	89	Vertical	-70.5	-13.0	-57.5	Pass
7284.3	74	Vertical	-53.9	-13.0	-40.9	Pass
10787.2	5	Vertical	-55.2	-13.0	-42.2	Pass
14367.8	250	Vertical	-56.1	-13.0	-43.1	Pass



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5G NR Continuous CA, Nominal Bandwidth: 10+10+10+10+10+10M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
329.8	132	Horizontal	-74.7	-13.0	-61.7	Pass
563.2	351	Horizontal	-72.7	-13.0	-59.7	Pass
1005.4	149	Horizontal	-69.8	-13.0	-56.8	Pass
7344.9	213	Horizontal	-53.9	-13.0	-40.9	Pass
11066.8	60	Horizontal	-58.4	-13.0	-45.4	Pass
14680.4	272	Horizontal	-55.3	-13.0	-42.3	Pass
293.3	157	Vertical	-69.1	-13.0	-56.1	Pass
623.0	120	Vertical	-73.4	-13.0	-60.4	Pass
1048.1	161	Vertical	-70.8	-13.0	-57.8	Pass
7383.1	231	Vertical	-54.1	-13.0	-41.1	Pass
11021.0	20	Vertical	-57.8	-13.0	-44.8	Pass
14662.7	223	Vertical	-58.0	-13.0	-45.0	Pass

5G NR Continuous CA, Nominal Bandwidth: 10+10+10+10+10+10M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
345.4	185	Horizontal	-71.6	-13.0	-58.6	Pass
598.0	271	Horizontal	-74.0	-13.0	-61.0	Pass
968.9	241	Horizontal	-70.4	-13.0	-57.4	Pass
7443.4	281	Horizontal	-59.5	-13.0	-46.5	Pass
11287.4	90	Horizontal	-57.9	-13.0	-44.9	Pass
14968.9	339	Horizontal	-55.2	-13.0	-42.2	Pass
293.8	341	Vertical	-73.1	-13.0	-60.1	Pass
713.8	139	Vertical	-73.8	-13.0	-60.8	Pass
964.5	166	Vertical	-69.6	-13.0	-56.6	Pass
7525.4	301	Vertical	-52.1	-13.0	-39.1	Pass
11179.6	74	Vertical	-60.5	-13.0	-47.5	Pass
14998.7	34	Vertical	-51.7	-13.0	-38.7	Pass



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5G NR Non Continuous CA, Nominal Bandwidth: 10+10M						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
244.6	173	Horizontal	-71.9	-13.0	-58.9	Pass
699.5	270	Horizontal	-72.8	-13.0	-59.8	Pass
993.4	238	Horizontal	-70.0	-13.0	-57.0	Pass
7570.8	283	Horizontal	-59.7	-13.0	-46.7	Pass
11313.1	90	Horizontal	-58.0	-13.0	-45.0	Pass
14836.4	334	Horizontal	-54.4	-13.0	-41.4	Pass
209.3	331	Vertical	-72.2	-13.0	-59.2	Pass
642.3	152	Vertical	-75.2	-13.0	-62.2	Pass
1033.8	172	Vertical	-70.0	-13.0	-57.0	Pass
7511.2	290	Vertical	-52.5	-13.0	-39.5	Pass
11299.1	69	Vertical	-60.4	-13.0	-47.4	Pass
15003.0	43	Vertical	-51.9	-13.0	-38.9	Pass

5G NR Non Continuous CA, Nominal Bandwidth: 40+40M						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
282.0	190	Horizontal	-72.1	-13.0	-59.1	Pass
700.3	277	Horizontal	-72.7	-13.0	-59.7	Pass
942.1	250	Horizontal	-71.4	-13.0	-58.4	Pass
7534.6	291	Horizontal	-60.2	-13.0	-47.2	Pass
11200.6	96	Horizontal	-58.9	-13.0	-45.9	Pass
14983.0	343	Horizontal	-54.8	-13.0	-41.8	Pass
280.3	333	Vertical	-72.2	-13.0	-59.2	Pass
665.1	137	Vertical	-73.9	-13.0	-60.9	Pass
903.3	162	Vertical	-69.0	-13.0	-56.0	Pass
7539.8	305	Vertical	-53.1	-13.0	-40.1	Pass
11205.6	66	Vertical	-60.7	-13.0	-47.7	Pass
14901.6	35	Vertical	-51.5	-13.0	-38.5	Pass



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5G NR Non Continuous CA, Nominal Bandwidth: 20+20+20M						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
221.5	182	Horizontal	-71.2	-13.0	-58.2	Pass
710.6	266	Horizontal	-73.1	-13.0	-60.1	Pass
898.3	250	Horizontal	-71.2	-13.0	-58.2	Pass
7530.3	287	Horizontal	-59.9	-13.0	-46.9	Pass
11284.9	86	Horizontal	-57.8	-13.0	-44.8	Pass
14934.9	334	Horizontal	-54.8	-13.0	-41.8	Pass
270.4	338	Vertical	-72.0	-13.0	-59.0	Pass
687.4	141	Vertical	-74.3	-13.0	-61.3	Pass
971.4	156	Vertical	-69.7	-13.0	-56.7	Pass
7520.6	300	Vertical	-52.2	-13.0	-39.2	Pass
11229.6	66	Vertical	-61.0	-13.0	-48.0	Pass
14979.6	44	Vertical	-51.2	-13.0	-38.2	Pass

5G NR Non Continuous CA, Nominal Bandwidth: 20+20+20+20M						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
236.9	189	Horizontal	-72.0	-13.0	-59.0	Pass
590.0	276	Horizontal	-72.7	-13.0	-59.7	Pass
914.2	238	Horizontal	-71.4	-13.0	-58.4	Pass
7547.9	282	Horizontal	-60.0	-13.0	-47.0	Pass
11280.7	88	Horizontal	-58.4	-13.0	-45.4	Pass
15048.0	336	Horizontal	-54.4	-13.0	-41.4	Pass
415.7	333	Vertical	-73.0	-13.0	-60.0	Pass
694.9	134	Vertical	-73.9	-13.0	-60.9	Pass
985.9	164	Vertical	-70.0	-13.0	-57.0	Pass
7517.8	287	Vertical	-51.5	-13.0	-38.5	Pass
11201.9	83	Vertical	-60.6	-13.0	-47.6	Pass
15013.5	29	Vertical	-52.6	-13.0	-39.6	Pass



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5G NR Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10M						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
340.4	188	Horizontal	-71.8	-13.0	-58.8	Pass
638.1	264	Horizontal	-73.5	-13.0	-60.5	Pass
1021.3	242	Horizontal	-70.8	-13.0	-57.8	Pass
7518.3	287	Horizontal	-60.0	-13.0	-47.0	Pass
11313.6	87	Horizontal	-58.2	-13.0	-45.2	Pass
14938.1	337	Horizontal	-53.7	-13.0	-40.7	Pass
327.2	335	Vertical	-72.1	-13.0	-59.1	Pass
728.4	144	Vertical	-74.2	-13.0	-61.2	Pass
988.1	172	Vertical	-69.0	-13.0	-56.0	Pass
7479.4	285	Vertical	-51.8	-13.0	-38.8	Pass
11253.2	61	Vertical	-60.7	-13.0	-47.7	Pass
14984.8	30	Vertical	-51.9	-13.0	-38.9	Pass

5G NR Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10+10M						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
208.2	192	Horizontal	-71.2	-13.0	-58.2	Pass
691.5	264	Horizontal	-72.6	-13.0	-59.6	Pass
865.6	253	Horizontal	-70.5	-13.0	-57.5	Pass
7486.9	287	Horizontal	-61.1	-13.0	-48.1	Pass
11298.8	104	Horizontal	-58.7	-13.0	-45.7	Pass
14946.4	331	Horizontal	-54.0	-13.0	-41.0	Pass
201.8	335	Vertical	-73.2	-13.0	-60.2	Pass
739.2	146	Vertical	-75.0	-13.0	-62.0	Pass
899.2	165	Vertical	-69.8	-13.0	-56.8	Pass
7562.4	295	Vertical	-52.3	-13.0	-39.3	Pass
11162.1	74	Vertical	-60.7	-13.0	-47.7	Pass
14967.1	37	Vertical	-51.3	-13.0	-38.3	Pass



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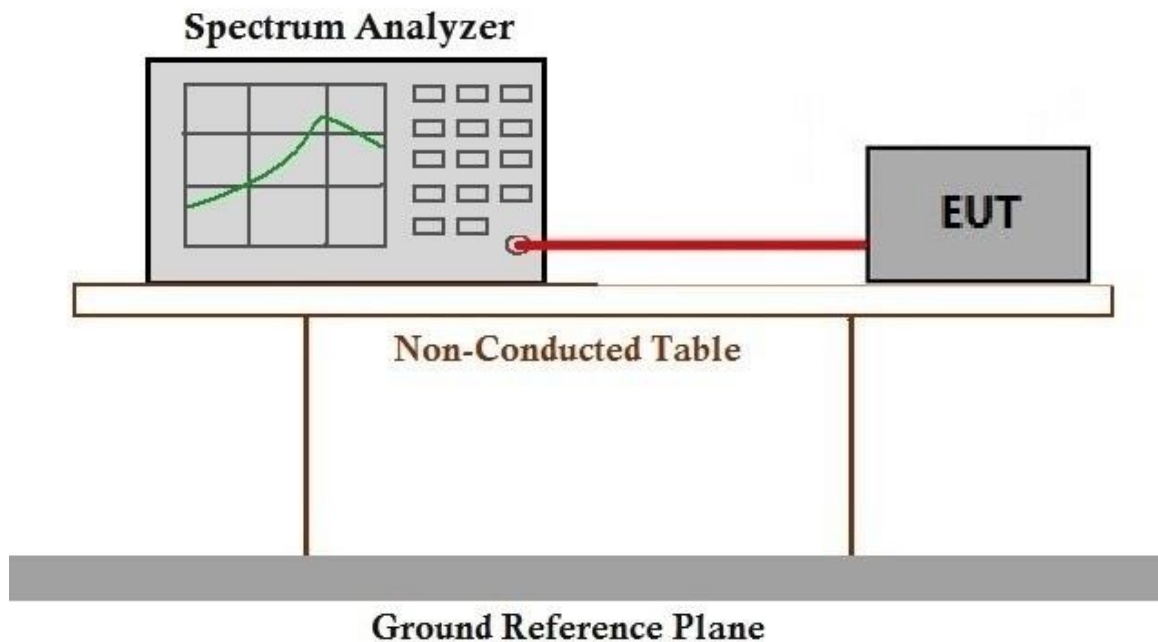
### 6.7 Frequency stability

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 3500MHz)

Temperature(°C)	Voltage (V dc)	Frequency Error (Hz)	Tolerance(ppm)
45	48.00	37.64	0.0108
40	48.00	50.94	0.0146
30	48.00	30.95	0.0088
20	48.00	24.21	0.0069
10	48.00	38.59	0.0110
0	48.00	30.05	0.0086
-10	48.00	22.92	0.0065

Frequency Stability vs voltage:

1. Test for 5G NR Band n77 Downlink (Middle Channel 3500MHz)

Voltage (V dc)	Temperature(°C)	Frequency Error (Hz)	Tolerance(ppm)
40.20	25	60.13	0.0172
48.00	25	71.43	0.0204
55.80	25	47.92	0.0137

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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