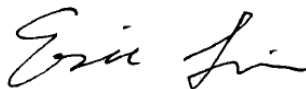


TEST REPORT

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

Test Result:	Pass
---------------------	-------------

* 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>	
		<hr/>	
		Damon Zhou / Project Engineer	
		<i>Eric Lin</i>	
		<hr/>	
		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	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:	3700MHz to 3800MHz
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 (3700-3800MHz)	30kHz	1CC	10MHz	3705	3750	3795
			20MHz	3710	3750	3790
			40MHz	3720	3750	3780
			60MHz	3730	3750	3770
			80MHz	3740	3750	3760
			100MHz	/	3750	/
		2CC	10+10MHz	3710	3750	3790
			40+40MHz	3740	3750	3760
		3CC	20+20+20MHz	3730	3750	3770
		4CC	20+20+20+20MHz	3740	3750	3760
		5CC	10+10+10+10+10MHz	3725	3750	3775
		6CC	10+10+10+10+10+10MHz	3730	3750	3770



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	SCS	Carrier	Bandwidth (MHz)	Non Continue
				Channel
5G NR (3700-3800MHz)	30kHz	1CC	10MHz	/
			20MHz	/
			40MHz	/
			60MHz	/
			80MHz	/
			100MHz	/
		2CC	10+10MHz	3705+3795
			40+40MHz	3720+3780
		3CC	20+20+20MHz	3710+3750+3790
		4CC	20+20+20+20MHz	3710+3735+3765+3790
		5CC	10+10+10+10+10MHz	3705+3725+3750+3775+3795
		6CC	10+10+10+10+10+10MHz	3705+3723+3741+3759+3777+3795



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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 ⁻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	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
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

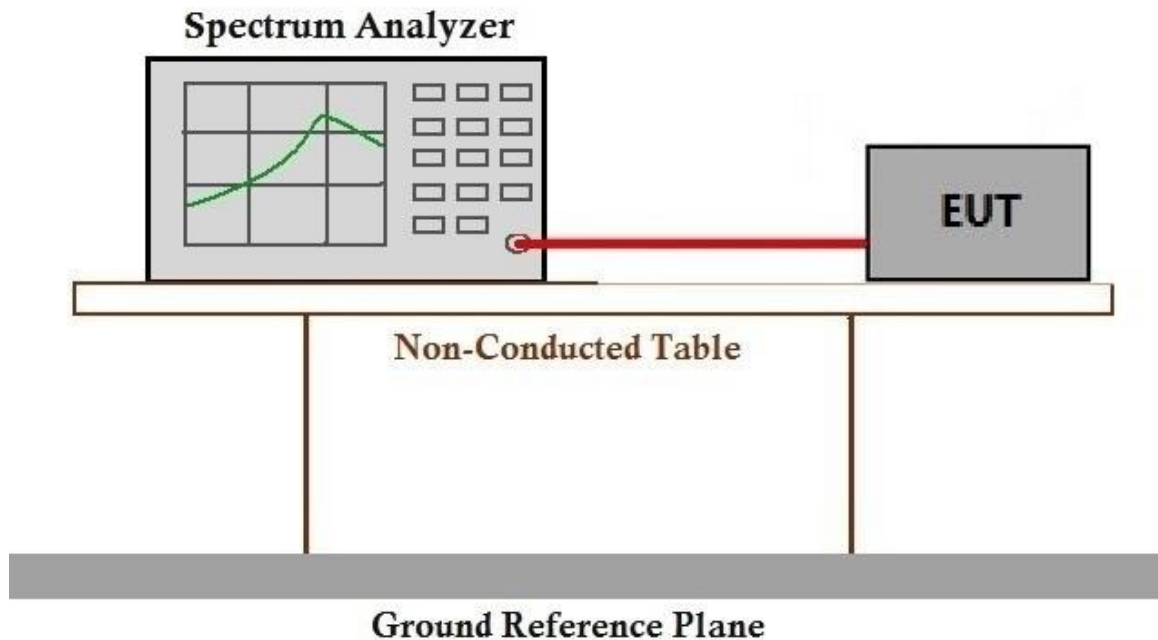
6.1 Effective (Isotropic) Radiated Power Output Data

Test Requirement: §2.1046, §27.53
 Test Method: ANSI C63.26, KDB 971 168 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	25.46	15.39	31.48	21.41	3	34.48	24.41	62.15
		16QAM	Full	0	25.33	15.41	31.35	21.43	3	34.35	24.43	62.15
		64QAM	Full	0	25.17	15.51	31.19	21.53	3	34.19	24.53	62.15
		256QAM	Full	0	25.37	15.47	31.39	21.49	3	34.39	24.49	62.15
	MCH	QPSK	Full	0	25.53	15.35	31.55	21.37	3	34.55	24.37	62.15
		16QAM	Full	0	25.33	15.32	31.35	21.34	3	34.35	24.34	62.15
		64QAM	Full	0	25.36	15.53	31.38	21.55	3	34.38	24.55	62.15
		256QAM	Full	0	25.51	15.6	31.53	21.62	3	34.53	24.62	62.15
	HCH	QPSK	Full	0	25.87	15.92	31.89	21.94	3	34.89	24.94	62.15
		16QAM	Full	0	25.64	15.58	31.66	21.60	3	34.66	24.60	62.15
		64QAM	Full	0	25.25	15.35	31.27	21.37	3	34.27	24.37	62.15
		256QAM	Full	0	25.18	15.74	31.20	21.76	3	34.20	24.76	62.15
20M	LCH	QPSK	Full	0	25.31	12.88	31.33	18.90	3	34.33	21.90	62.15
		16QAM	Full	0	25.33	12.47	31.35	18.49	3	34.35	21.49	62.15
		64QAM	Full	0	25.83	12.60	31.85	18.62	3	34.85	21.62	62.15
		256QAM	Full	0	25.26	12.65	31.28	18.67	3	34.28	21.67	62.15
	MCH	QPSK	Full	0	25.31	12.50	31.33	18.52	3	34.33	21.52	62.15
		16QAM	Full	0	25.36	12.54	31.38	18.56	3	34.38	21.56	62.15
		64QAM	Full	0	25.37	12.83	31.39	18.85	3	34.39	21.85	62.15
		256QAM	Full	0	25.75	12.38	31.77	18.40	3	34.77	21.40	62.15
	HCH	QPSK	Full	0	25.44	12.43	31.46	18.45	3	34.46	21.45	62.15
		16QAM	Full	0	25.36	12.48	31.38	18.50	3	34.38	21.50	62.15
		64QAM	Full	0	25.31	12.68	31.33	18.70	3	34.33	21.70	62.15
		256QAM	Full	0	25.46	12.58	31.48	18.60	3	34.48	21.60	62.15
40M	LCH	QPSK	Full	0	25.42	9.89	31.44	15.91	3	34.44	18.91	62.15
		16QAM	Full	0	25.33	9.86	31.35	15.88	3	34.35	18.88	62.15
		64QAM	Full	0	25.25	9.83	31.27	15.85	3	34.27	18.85	62.15
		256QAM	Full	0	25.5	9.46	31.52	15.48	3	34.52	18.48	62.15
	MCH	QPSK	Full	0	25.2	9.77	31.22	15.79	3	34.22	18.79	62.15
		16QAM	Full	0	25.25	9.74	31.27	15.76	3	34.27	18.76	62.15
		64QAM	Full	0	25.55	9.67	31.57	15.69	3	34.57	18.69	62.15
		256QAM	Full	0	25.93	9.64	31.95	15.66	3	34.95	18.66	62.15
	HCH	QPSK	Full	0	25.99	9.57	32.01	15.59	3	35.01	18.59	62.15
		16QAM	Full	0	25.81	9.44	31.83	15.46	3	34.83	18.46	62.15
		64QAM	Full	0	25.74	9.39	31.76	15.41	3	34.76	18.41	62.15



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60M	LCH	256QAM	Full	0	25.37	9.63	31.39	15.65	3	34.39	18.65	62.15
		QPSK	Full	0	25.35	7.88	31.37	13.90	3	34.37	16.90	62.15
		16QAM	Full	0	25.44	7.62	31.46	13.64	3	34.46	16.64	62.15
		64QAM	Full	0	25.53	7.54	31.55	13.56	3	34.55	16.56	62.15
	MCH	256QAM	Full	0	25.76	7.81	31.78	13.83	3	34.78	16.83	62.15
		QPSK	Full	0	25.90	7.95	31.92	13.97	3	34.92	16.97	62.15
		16QAM	Full	0	25.44	7.82	31.46	13.84	3	34.46	16.84	62.15
		64QAM	Full	0	25.34	7.78	31.36	13.80	3	34.36	16.80	62.15
	HCH	256QAM	Full	0	25.43	7.52	31.45	13.54	3	34.45	16.54	62.15
		QPSK	Full	0	25.70	7.91	31.72	13.93	3	34.72	16.93	62.15
		16QAM	Full	0	25.71	7.88	31.73	13.90	3	34.73	16.90	62.15
		64QAM	Full	0	25.68	7.73	31.70	13.75	3	34.70	16.75	62.15
80M	LCH	256QAM	Full	0	25.49	7.59	31.51	13.61	3	34.51	16.61	62.15
		QPSK	Full	0	25.39	6.90	31.41	12.92	3	34.41	15.92	62.15
		16QAM	Full	0	25.44	6.95	31.46	12.97	3	34.46	15.97	62.15
		64QAM	Full	0	25.16	6.58	31.18	12.60	3	34.18	15.60	62.15
	MCH	256QAM	Full	0	25.42	6.58	31.44	12.60	3	34.44	15.60	62.15
		QPSK	Full	0	25.34	6.87	31.36	12.89	3	34.36	15.89	62.15
		16QAM	Full	0	25.36	6.89	31.38	12.91	3	34.38	15.91	62.15
		64QAM	Full	0	25.41	6.74	31.43	12.76	3	34.43	15.76	62.15
	HCH	256QAM	Full	0	25.47	6.44	31.49	12.46	3	34.49	15.46	62.15
		QPSK	Full	0	25.48	6.91	31.50	12.93	3	34.50	15.93	62.15
		16QAM	Full	0	25.41	6.74	31.43	12.76	3	34.43	15.76	62.15
		64QAM	Full	0	25.57	6.65	31.59	12.67	3	34.59	15.67	62.15
100M	LCH	256QAM	Full	0	25.79	6.56	31.81	12.58	3	34.81	15.58	62.15
		QPSK	Full	0	25.33	5.92	31.35	11.94	3	34.35	14.94	62.15
		16QAM	Full	0	25.39	5.82	31.41	11.84	3	34.41	14.84	62.15
		64QAM	Full	0	25.71	5.74	31.73	11.76	3	34.73	14.76	62.15
	MCH	256QAM	Full	0	25.88	5.78	31.90	11.80	3	34.90	14.80	62.15
		QPSK	Full	0	25.71	5.81	31.73	11.83	3	34.73	14.83	62.15
		16QAM	Full	0	25.75	5.78	31.77	11.80	3	34.77	14.80	62.15
		64QAM	Full	0	25.70	5.75	31.72	11.77	3	34.72	14.77	62.15
	HCH	256QAM	Full	0	25.13	5.56	31.15	11.58	3	34.15	14.58	62.15
		QPSK	Full	0	25.20	5.75	31.22	11.77	3	34.22	14.77	62.15
		16QAM	Full	0	25.33	5.73	31.35	11.75	3	34.35	14.75	62.15
		64QAM	Full	0	25.52	5.71	31.54	11.73	3	34.54	14.73	62.15
		256QAM	Full	0	25.43	5.47	31.45	11.49	3	34.45	14.49	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	25.69	12.45	31.71	18.47	3	34.71	21.47	62.15
		16QAM	Full	0	25.68	12.52	31.70	18.54	3	34.70	21.54	62.15
		64QAM	Full	0	25.81	12.65	31.83	18.67	3	34.83	21.67	62.15
		256QAM	Full	0	26.06	12.33	32.08	18.35	3	35.08	21.35	62.15
	MCH	QPSK	Full	0	25.54	12.96	31.56	18.98	3	34.56	21.98	62.15
		16QAM	Full	0	25.44	12.59	31.46	18.61	3	34.46	21.61	62.15
		64QAM	Full	0	25.31	12.49	31.33	18.51	3	34.33	21.51	62.15
		256QAM	Full	0	25.54	12.40	31.56	18.42	3	34.56	21.42	62.15
	HCH	QPSK	Full	0	25.40	12.99	31.42	19.01	3	34.42	22.01	62.15
		16QAM	Full	0	25.55	12.82	31.57	18.84	3	34.57	21.84	62.15
		64QAM	Full	0	25.61	12.48	31.63	18.50	3	34.63	21.50	62.15
		256QAM	Full	0	25.77	12.84	31.79	18.86	3	34.79	21.86	62.15
40+40M	LCH	QPSK	Full	0	25.69	9.90	31.71	15.92	3	34.71	18.92	62.15
		16QAM	Full	0	25.77	9.56	31.79	15.58	3	34.79	18.58	62.15
		64QAM	Full	0	25.81	9.81	31.83	15.83	3	34.83	18.83	62.15
		256QAM	Full	0	26.06	9.78	32.08	15.80	3	35.08	18.80	62.15
	MCH	QPSK	Full	0	25.54	9.40	31.56	15.42	3	34.56	18.42	62.15
		16QAM	Full	0	25.44	9.56	31.46	15.58	3	34.46	18.58	62.15
		64QAM	Full	0	25.31	9.70	31.33	15.72	3	34.33	18.72	62.15
		256QAM	Full	0	25.54	9.98	31.56	16.00	3	34.56	19.00	62.15
	HCH	QPSK	Full	0	25.40	9.89	31.42	15.91	3	34.42	18.91	62.15
		16QAM	Full	0	25.58	9.27	31.60	15.29	3	34.60	18.29	62.15
		64QAM	Full	0	25.61	9.64	31.63	15.66	3	34.63	18.66	62.15
		256QAM	Full	0	25.77	9.41	31.79	15.43	3	34.79	18.43	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	25.46	7.59	31.48	13.61	3	34.48	16.61	62.15
		16QAM	Full	0	25.56	7.65	31.58	13.67	3	34.58	16.67	62.15
		64QAM	Full	0	25.73	7.98	31.75	14.00	3	34.75	17.00	62.15
		256QAM	Full	0	25.95	7.91	31.97	13.93	3	34.97	16.93	62.15
	MCH	QPSK	Full	0	25.25	7.60	31.27	13.62	3	34.27	16.62	62.15
		16QAM	Full	0	25.33	7.71	31.35	13.73	3	34.35	16.73	62.15
		64QAM	Full	0	25.47	7.87	31.49	13.89	3	34.49	16.89	62.15
		256QAM	Full	0	25.54	7.61	31.56	13.63	3	34.56	16.63	62.15
	HCH	QPSK	Full	0	25.59	7.92	31.61	13.94	3	34.61	16.94	62.15
		16QAM	Full	0	25.38	7.82	31.40	13.84	3	34.40	16.84	62.15
		64QAM	Full	0	25.39	7.80	31.41	13.82	3	34.41	16.82	62.15
		256QAM	Full	0	25.28	7.98	31.30	14.00	3	34.30	17.00	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	25.35	6.75	31.37	12.77	3	34.37	15.77	62.15
		16QAM	Full	0	25.71	6.44	31.73	12.46	3	34.73	15.46	62.15
		64QAM	Full	0	25.88	6.24	31.90	12.26	3	34.90	15.26	62.15
		256QAM	Full	0	25.22	6.58	31.24	12.60	3	34.24	15.60	62.15
	MCH	QPSK	Full	0	25.35	6.68	31.37	12.70	3	34.37	15.70	62.15
		16QAM	Full	0	25.44	6.61	31.46	12.63	3	34.46	15.63	62.15
		64QAM	Full	0	25.75	6.59	31.77	12.61	3	34.77	15.61	62.15
		256QAM	Full	0	25.12	6.47	31.14	12.49	3	34.14	15.49	62.15
	HCH	QPSK	Full	0	25.80	6.66	31.82	12.68	3	34.82	15.68	62.15
		16QAM	Full	0	25.71	6.45	31.73	12.47	3	34.73	15.47	62.15
		64QAM	Full	0	25.94	6.36	31.96	12.38	3	34.96	15.38	62.15
		256QAM	Full	0	25.68	6.34	31.70	12.36	3	34.70	15.36	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	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+10+10+10+10M	LCH	QPSK	Full	0	25.65	8.69	31.67	14.71	3	34.67	17.71	62.15
		16QAM	Full	0	25.34	8.62	31.36	14.64	3	34.36	17.64	62.15
		64QAM	Full	0	25.23	8.57	31.25	14.59	3	34.25	17.59	62.15
		256QAM	Full	0	25.26	8.38	31.28	14.40	3	34.28	17.40	62.15
	MCH	QPSK	Full	0	25.56	8.68	31.58	14.70	3	34.58	17.70	62.15
		16QAM	Full	0	25.44	8.58	31.46	14.60	3	34.46	17.60	62.15
		64QAM	Full	0	25.37	8.50	31.39	14.52	3	34.39	17.52	62.15
		256QAM	Full	0	25.63	8.25	31.65	14.27	3	34.65	17.27	62.15
	HCH	QPSK	Full	0	25.46	8.39	31.48	14.41	3	34.48	17.41	62.15
		16QAM	Full	0	25.51	8.42	31.53	14.44	3	34.53	17.44	62.15
		64QAM	Full	0	25.37	8.33	31.39	14.35	3	34.39	17.35	62.15
		256QAM	Full	0	25.78	8.45	31.80	14.47	3	34.80	17.47	62.15

6 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+10+10+10+10+10M	LCH	QPSK	Full	0	25.72	7.71	31.74	13.73	3	34.74	16.73	62.15
		16QAM	Full	0	25.66	7.41	31.68	13.43	3	34.68	16.43	62.15
		64QAM	Full	0	25.48	7.39	31.50	13.41	3	34.50	16.41	62.15
		256QAM	Full	0	25.38	7.80	31.40	13.82	3	34.40	16.82	62.15
	MCH	QPSK	Full	0	25.87	7.77	31.89	13.79	3	34.89	16.79	62.15
		16QAM	Full	0	25.62	7.58	31.64	13.60	3	34.64	16.60	62.15
		64QAM	Full	0	25.56	7.46	31.58	13.48	3	34.58	16.48	62.15
		256QAM	Full	0	25.77	7.27	31.79	13.29	3	34.79	16.29	62.15
	HCH	QPSK	Full	0	25.88	7.83	31.90	13.85	3	34.90	16.85	62.15
		16QAM	Full	0	25.33	7.18	31.35	13.20	3	34.35	16.20	62.15
		64QAM	Full	0	25.25	7.60	31.27	13.62	3	34.27	16.62	62.15
		256QAM	Full	0	25.46	7.22	31.48	13.24	3	34.48	16.24	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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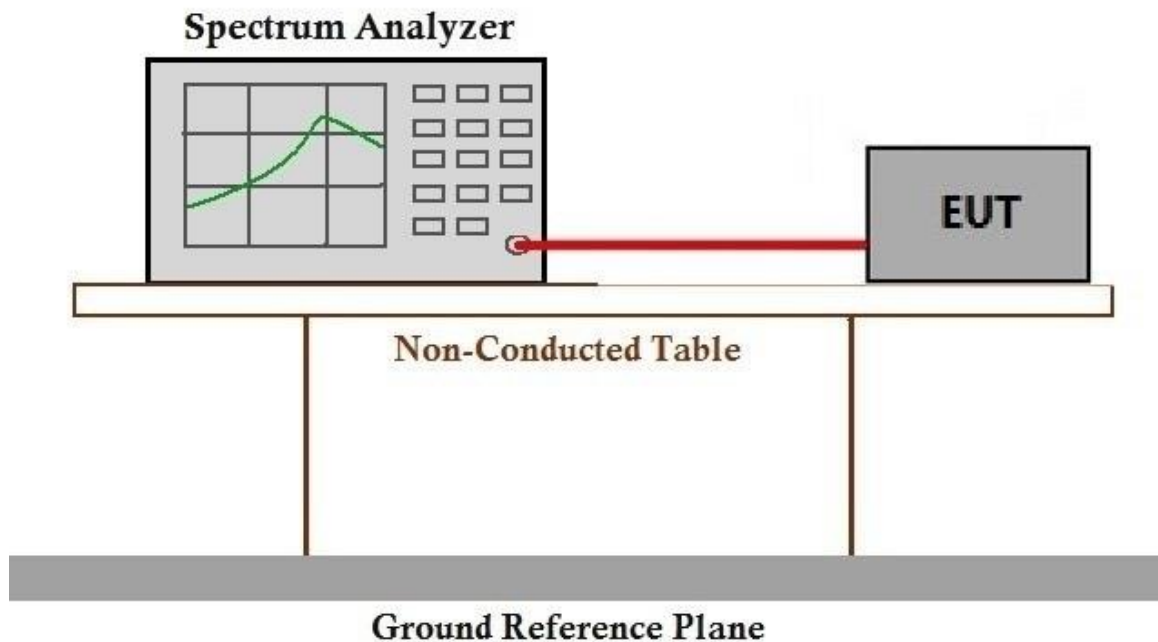
6.2 Peak-Average Ratio

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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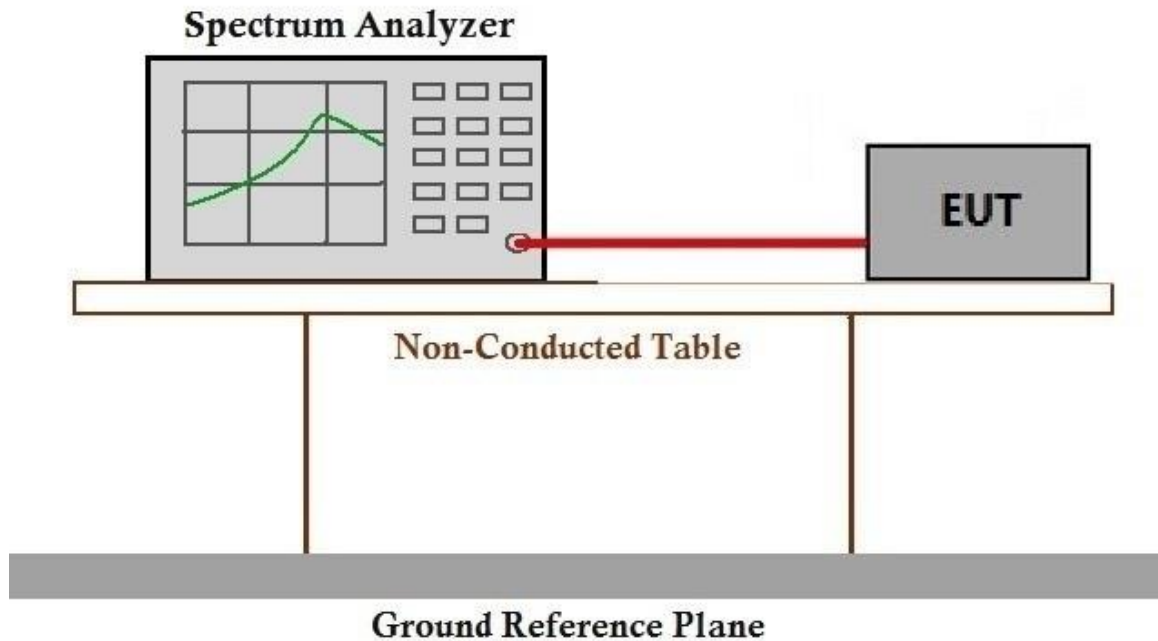
6.3 Bandwidth

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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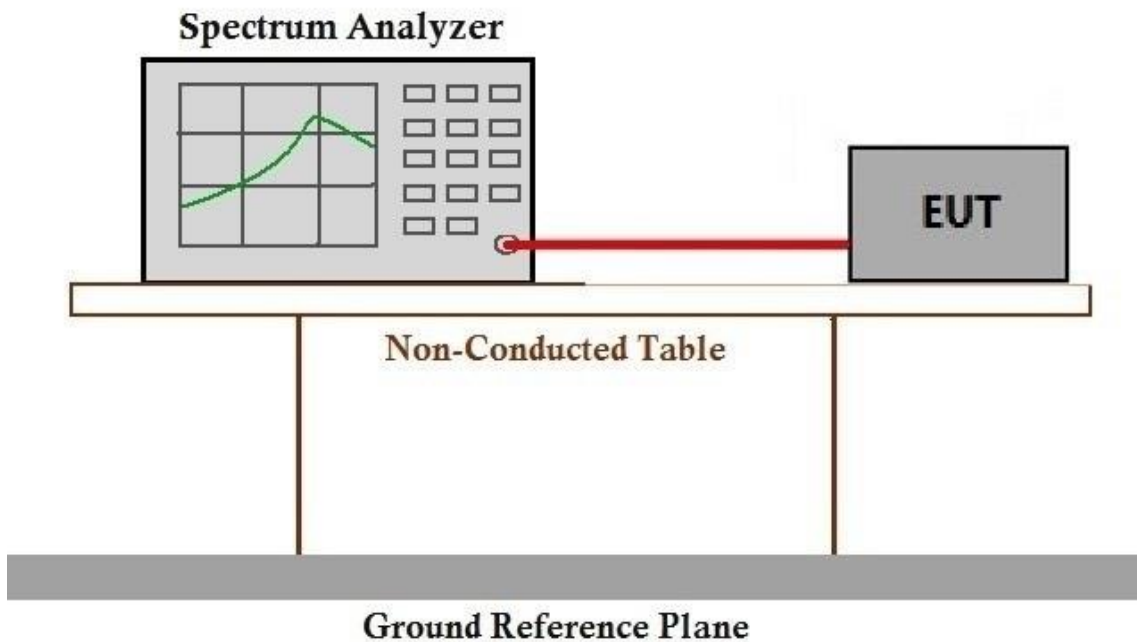
6.4 Band Edge Compliance

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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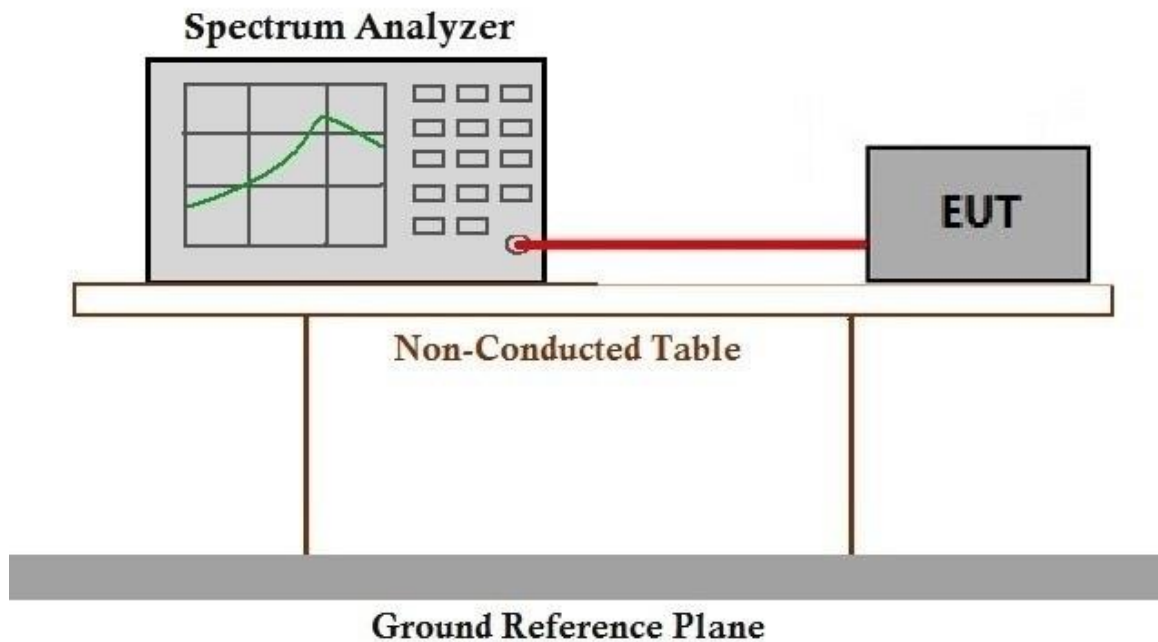
6.5 Spurious emissions at antenna terminals

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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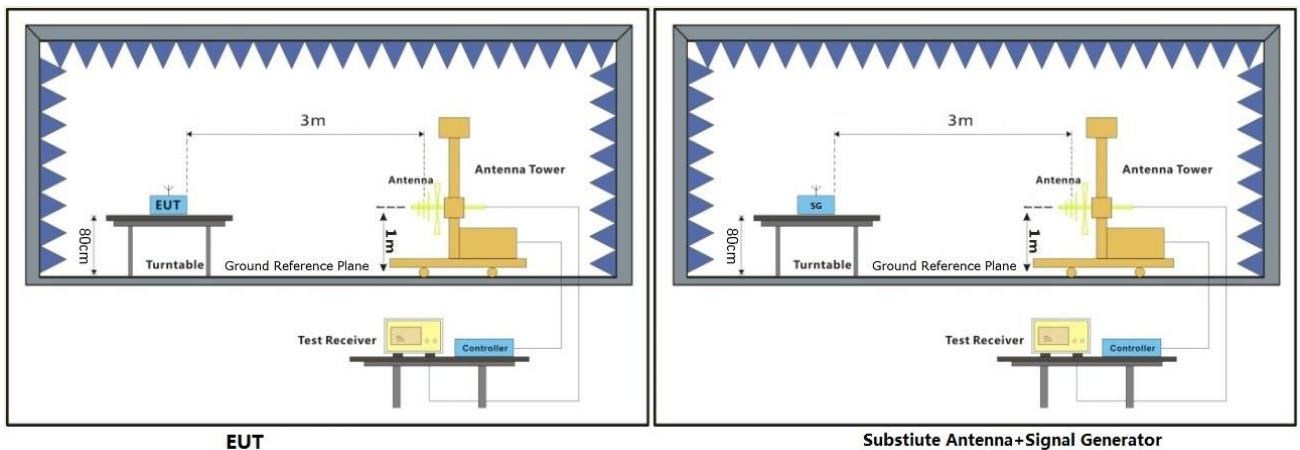
6.6 Radiated spurious radiation

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)			
317.8	228	Horizontal	-69.7	-13.0	-56.7	Pass
572.3	357	Horizontal	-70.2	-13.0	-57.2	Pass
857.3	205	Horizontal	-70.2	-13.0	-57.2	Pass
7134.9	102	Horizontal	-51.6	-13.0	-38.6	Pass
10820.6	84	Horizontal	-58.0	-13.0	-45.0	Pass
14362.3	269	Horizontal	-53.0	-13.0	-40.0	Pass
214.8	319	Vertical	-70.6	-13.0	-57.6	Pass
728.6	140	Vertical	-75.0	-13.0	-62.0	Pass
930.4	296	Vertical	-69.1	-13.0	-56.1	Pass
7218.6	178	Vertical	-53.9	-13.0	-40.9	Pass
10718.9	18	Vertical	-54.8	-13.0	-41.8	Pass
14320.3	292	Vertical	-54.4	-13.0	-41.4	Pass

5G NR Continuous CA, Nominal Bandwidth: 10M Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
257.6	293	Horizontal	-73.4	-13.0	-60.4	Pass
579.2	36	Horizontal	-71.4	-13.0	-58.4	Pass
866.4	32	Horizontal	-69.5	-13.0	-56.5	Pass
7382.8	93	Horizontal	-54.5	-13.0	-41.5	Pass
10995.8	205	Horizontal	-57.3	-13.0	-44.3	Pass
14660.4	232	Horizontal	-54.4	-13.0	-41.4	Pass
237.7	57	Vertical	-70.9	-13.0	-57.9	Pass
638.1	364	Vertical	-72.2	-13.0	-59.2	Pass
907.4	274	Vertical	-69.5	-13.0	-56.5	Pass
7349.9	176	Vertical	-54.3	-13.0	-41.3	Pass
11011.5	63	Vertical	-57.0	-13.0	-44.0	Pass
14661.7	112	Vertical	-58.4	-13.0	-45.4	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)			
250.8	208	Horizontal	-70.1	-13.0	-57.1	Pass
539.0	130	Horizontal	-74.4	-13.0	-61.4	Pass
844.4	138	Horizontal	-68.6	-13.0	-55.6	Pass
7519.7	67	Horizontal	-60.5	-13.0	-47.5	Pass
11175.8	136	Horizontal	-57.8	-13.0	-44.8	Pass
14920.0	306	Horizontal	-52.3	-13.0	-39.3	Pass
244.7	40	Vertical	-72.8	-13.0	-59.8	Pass
586.6	126	Vertical	-73.0	-13.0	-60.0	Pass
919.6	234	Vertical	-69.8	-13.0	-56.8	Pass
7476.8	86	Vertical	-50.9	-13.0	-37.9	Pass
11171.3	277	Vertical	-60.5	-13.0	-47.5	Pass
14959.5	170	Vertical	-50.4	-13.0	-37.4	Pass

5G NR Continuous CA, Nominal Bandwidth: 20M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
235.4	337	Horizontal	-70.8	-13.0	-57.8	Pass
585.4	323	Horizontal	-72.0	-13.0	-59.0	Pass
854.6	88	Horizontal	-70.3	-13.0	-57.3	Pass
7282.6	344	Horizontal	-52.6	-13.0	-39.6	Pass
10736.1	48	Horizontal	-58.0	-13.0	-45.0	Pass
14307.0	27	Horizontal	-53.7	-13.0	-40.7	Pass
309.7	353	Vertical	-72.3	-13.0	-59.3	Pass
685.9	83	Vertical	-75.0	-13.0	-62.0	Pass
886.8	307	Vertical	-70.7	-13.0	-57.7	Pass
7237.6	330	Vertical	-53.5	-13.0	-40.5	Pass
10856.0	215	Vertical	-55.9	-13.0	-42.9	Pass
14273.5	103	Vertical	-56.3	-13.0	-43.3	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)			
307.7	75	Horizontal	-72.8	-13.0	-59.8	Pass
620.4	89	Horizontal	-70.6	-13.0	-57.6	Pass
851.3	122	Horizontal	-69.3	-13.0	-56.3	Pass
7353.9	243	Horizontal	-55.7	-13.0	-42.7	Pass
10986.2	153	Horizontal	-57.0	-13.0	-44.0	Pass
14528.6	340	Horizontal	-56.3	-13.0	-43.3	Pass
225.0	360	Vertical	-70.8	-13.0	-57.8	Pass
711.7	181	Vertical	-71.3	-13.0	-58.3	Pass
867.1	58	Vertical	-70.9	-13.0	-57.9	Pass
7356.1	80	Vertical	-54.1	-13.0	-41.1	Pass
10996.2	222	Vertical	-57.7	-13.0	-44.7	Pass
14637.2	241	Vertical	-58.3	-13.0	-45.3	Pass

5G NR Continuous CA, Nominal Bandwidth: 20M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
300.7	260	Horizontal	-69.4	-13.0	-56.4	Pass
606.6	279	Horizontal	-73.3	-13.0	-60.3	Pass
847.6	128	Horizontal	-69.0	-13.0	-56.0	Pass
7553.4	207	Horizontal	-59.2	-13.0	-46.2	Pass
11165.9	30	Horizontal	-58.9	-13.0	-45.9	Pass
14952.1	351	Horizontal	-52.4	-13.0	-39.4	Pass
260.2	161	Vertical	-72.4	-13.0	-59.4	Pass
617.7	224	Vertical	-74.4	-13.0	-61.4	Pass
893.3	227	Vertical	-68.4	-13.0	-55.4	Pass
7443.8	265	Vertical	-49.4	-13.0	-36.4	Pass
11179.7	21	Vertical	-59.5	-13.0	-46.5	Pass
14839.4	165	Vertical	-52.9	-13.0	-39.9	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)			
276.3	86	Horizontal	-70.3	-13.0	-57.3	Pass
615.6	211	Horizontal	-72.5	-13.0	-59.5	Pass
861.6	280	Horizontal	-69.3	-13.0	-56.3	Pass
7208.6	297	Horizontal	-50.5	-13.0	-37.5	Pass
10758.8	162	Horizontal	-57.9	-13.0	-44.9	Pass
14351.2	183	Horizontal	-53.8	-13.0	-40.8	Pass
302.5	299	Vertical	-73.0	-13.0	-60.0	Pass
601.1	354	Vertical	-72.8	-13.0	-59.8	Pass
937.4	177	Vertical	-69.4	-13.0	-56.4	Pass
7259.2	198	Vertical	-53.3	-13.0	-40.3	Pass
10822.6	84	Vertical	-55.8	-13.0	-42.8	Pass
14346.7	306	Vertical	-55.8	-13.0	-42.8	Pass

5G NR Continuous CA, Nominal Bandwidth: 40M_ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
231.9	256	Horizontal	-72.2	-13.0	-59.2	Pass
649.4	196	Horizontal	-72.4	-13.0	-59.4	Pass
951.6	250	Horizontal	-69.7	-13.0	-56.7	Pass
7332.9	23	Horizontal	-54.6	-13.0	-41.6	Pass
11040.1	140	Horizontal	-56.1	-13.0	-43.1	Pass
14694.9	192	Horizontal	-55.8	-13.0	-42.8	Pass
273.0	144	Vertical	-70.5	-13.0	-57.5	Pass
587.4	10	Vertical	-73.8	-13.0	-60.8	Pass
970.7	344	Vertical	-70.0	-13.0	-57.0	Pass
7412.5	78	Vertical	-55.2	-13.0	-42.2	Pass
11018.2	252	Vertical	-58.2	-13.0	-45.2	Pass
14701.5	63	Vertical	-57.5	-13.0	-44.5	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)			
224.7	306	Horizontal	-68.5	-13.0	-55.5	Pass
606.0	211	Horizontal	-75.2	-13.0	-62.2	Pass
830.1	239	Horizontal	-67.7	-13.0	-54.7	Pass
7506.8	48	Horizontal	-61.2	-13.0	-48.2	Pass
11197.7	357	Horizontal	-58.4	-13.0	-45.4	Pass
14932.6	186	Horizontal	-52.6	-13.0	-39.6	Pass
270.2	191	Vertical	-73.0	-13.0	-60.0	Pass
659.5	231	Vertical	-74.1	-13.0	-61.1	Pass
875.7	80	Vertical	-67.2	-13.0	-54.2	Pass
7429.0	105	Vertical	-52.0	-13.0	-39.0	Pass
11240.3	156	Vertical	-62.3	-13.0	-49.3	Pass
14945.3	353	Vertical	-51.0	-13.0	-38.0	Pass

5G NR Continuous CA, Nominal Bandwidth: 60M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
280.6	159	Horizontal	-71.0	-13.0	-58.0	Pass
546.2	130	Horizontal	-71.1	-13.0	-58.1	Pass
884.2	150	Horizontal	-69.0	-13.0	-56.0	Pass
7219.5	34	Horizontal	-51.9	-13.0	-38.9	Pass
10723.2	167	Horizontal	-56.7	-13.0	-43.7	Pass
14327.1	124	Horizontal	-51.5	-13.0	-38.5	Pass
181.7	56	Vertical	-71.2	-13.0	-58.2	Pass
722.1	140	Vertical	-74.7	-13.0	-61.7	Pass
946.7	97	Vertical	-69.2	-13.0	-56.2	Pass
7175.1	78	Vertical	-53.7	-13.0	-40.7	Pass
10758.0	16	Vertical	-54.9	-13.0	-41.9	Pass
14312.9	263	Vertical	-55.4	-13.0	-42.4	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)			
319.6	130	Horizontal	-73.0	-13.0	-60.0	Pass
574.5	354	Horizontal	-71.4	-13.0	-58.4	Pass
851.0	154	Horizontal	-68.7	-13.0	-55.7	Pass
7377.4	211	Horizontal	-54.0	-13.0	-41.0	Pass
11017.5	51	Horizontal	-57.5	-13.0	-44.5	Pass
14637.5	273	Horizontal	-55.2	-13.0	-42.2	Pass
319.5	163	Vertical	-68.6	-13.0	-55.6	Pass
652.0	123	Vertical	-72.5	-13.0	-59.5	Pass
995.9	169	Vertical	-69.1	-13.0	-56.1	Pass
7325.5	222	Vertical	-54.0	-13.0	-41.0	Pass
11043.9	27	Vertical	-57.4	-13.0	-44.4	Pass
14619.1	228	Vertical	-57.1	-13.0	-44.1	Pass

5G NR Continuous CA, Nominal Bandwidth: 60M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
216.9	185	Horizontal	-70.7	-13.0	-57.7	Pass
591.9	275	Horizontal	-72.8	-13.0	-59.8	Pass
914.9	257	Horizontal	-69.2	-13.0	-56.2	Pass
7518.8	287	Horizontal	-60.7	-13.0	-47.7	Pass
11162.7	98	Horizontal	-57.4	-13.0	-44.4	Pass
14842.7	341	Horizontal	-54.7	-13.0	-41.7	Pass
246.9	338	Vertical	-72.3	-13.0	-59.3	Pass
650.3	146	Vertical	-75.0	-13.0	-62.0	Pass
859.0	173	Vertical	-68.6	-13.0	-55.6	Pass
7487.0	302	Vertical	-52.1	-13.0	-39.1	Pass
11153.0	78	Vertical	-60.2	-13.0	-47.2	Pass
14876.6	34	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)			
296.0	153	Horizontal	-71.3	-13.0	-58.3	Pass
571.3	142	Horizontal	-70.3	-13.0	-57.3	Pass
933.5	149	Horizontal	-69.3	-13.0	-56.3	Pass
7148.6	37	Horizontal	-51.3	-13.0	-38.3	Pass
10834.0	178	Horizontal	-57.2	-13.0	-44.2	Pass
14309.6	119	Horizontal	-51.4	-13.0	-38.4	Pass
253.3	51	Vertical	-70.7	-13.0	-57.7	Pass
600.7	157	Vertical	-74.1	-13.0	-61.1	Pass
912.9	103	Vertical	-70.3	-13.0	-57.3	Pass
7230.9	82	Vertical	-53.5	-13.0	-40.5	Pass
10725.4	19	Vertical	-55.3	-13.0	-42.3	Pass
14361.0	262	Vertical	-55.6	-13.0	-42.6	Pass

5G NR Continuous CA, Nominal Bandwidth: 80M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
237.6	124	Horizontal	-73.2	-13.0	-60.2	Pass
576.3	354	Horizontal	-71.2	-13.0	-58.2	Pass
917.0	158	Horizontal	-70.4	-13.0	-57.4	Pass
7331.2	226	Horizontal	-54.8	-13.0	-41.8	Pass
10992.8	56	Horizontal	-57.7	-13.0	-44.7	Pass
14549.9	276	Horizontal	-54.4	-13.0	-41.4	Pass
323.3	162	Vertical	-68.9	-13.0	-55.9	Pass
583.7	119	Vertical	-71.9	-13.0	-58.9	Pass
874.9	171	Vertical	-70.1	-13.0	-57.1	Pass
7318.9	226	Vertical	-53.9	-13.0	-40.9	Pass
11038.1	24	Vertical	-57.5	-13.0	-44.5	Pass
14628.9	228	Vertical	-56.7	-13.0	-43.7	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)			
202.3	180	Horizontal	-71.3	-13.0	-58.3	Pass
574.5	266	Horizontal	-72.6	-13.0	-59.6	Pass
878.3	248	Horizontal	-69.8	-13.0	-56.8	Pass
7525.1	294	Horizontal	-59.5	-13.0	-46.5	Pass
11148.5	98	Horizontal	-57.3	-13.0	-44.3	Pass
14879.2	337	Horizontal	-53.8	-13.0	-40.8	Pass
238.8	342	Vertical	-71.5	-13.0	-58.5	Pass
668.8	143	Vertical	-74.2	-13.0	-61.2	Pass
836.1	171	Vertical	-69.0	-13.0	-56.0	Pass
7496.3	300	Vertical	-51.0	-13.0	-38.0	Pass
11164.5	75	Vertical	-60.4	-13.0	-47.4	Pass
14888.8	32	Vertical	-50.8	-13.0	-37.8	Pass

5G NR Continuous CA, Nominal Bandwidth: 100M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
225.5	161	Horizontal	-71.0	-13.0	-58.0	Pass
571.5	137	Horizontal	-70.5	-13.0	-57.5	Pass
961.3	153	Horizontal	-69.1	-13.0	-56.1	Pass
7257.3	27	Horizontal	-51.6	-13.0	-38.6	Pass
10716.7	166	Horizontal	-56.7	-13.0	-43.7	Pass
14379.2	128	Horizontal	-51.5	-13.0	-38.5	Pass
248.3	51	Vertical	-71.6	-13.0	-58.6	Pass
602.7	152	Vertical	-74.7	-13.0	-61.7	Pass
955.0	97	Vertical	-69.8	-13.0	-56.8	Pass
7220.0	74	Vertical	-53.7	-13.0	-40.7	Pass
10849.4	22	Vertical	-55.1	-13.0	-42.1	Pass
14389.1	263	Vertical	-55.7	-13.0	-42.7	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)			
208.4	132	Horizontal	-73.1	-13.0	-60.1	Pass
613.5	352	Horizontal	-71.1	-13.0	-58.1	Pass
880.4	152	Horizontal	-69.1	-13.0	-56.1	Pass
7319.2	218	Horizontal	-53.7	-13.0	-40.7	Pass
10899.8	58	Horizontal	-56.7	-13.0	-43.7	Pass
14696.5	274	Horizontal	-54.6	-13.0	-41.6	Pass
274.8	158	Vertical	-69.1	-13.0	-56.1	Pass
671.0	117	Vertical	-73.2	-13.0	-60.2	Pass
883.3	166	Vertical	-70.0	-13.0	-57.0	Pass
7404.0	230	Vertical	-53.9	-13.0	-40.9	Pass
11059.3	33	Vertical	-57.8	-13.0	-44.8	Pass
14647.2	229	Vertical	-56.9	-13.0	-43.9	Pass

5G NR Continuous CA, Nominal Bandwidth: 100M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
241.2	183	Horizontal	-71.3	-13.0	-58.3	Pass
667.7	273	Horizontal	-73.2	-13.0	-60.2	Pass
888.9	256	Horizontal	-69.9	-13.0	-56.9	Pass
7573.2	294	Horizontal	-59.8	-13.0	-46.8	Pass
11196.2	96	Horizontal	-57.2	-13.0	-44.2	Pass
14924.9	338	Horizontal	-54.3	-13.0	-41.3	Pass
199.9	346	Vertical	-72.3	-13.0	-59.3	Pass
683.6	151	Vertical	-74.2	-13.0	-61.2	Pass
852.5	175	Vertical	-69.0	-13.0	-56.0	Pass
7524.8	304	Vertical	-51.7	-13.0	-38.7	Pass
11215.3	80	Vertical	-59.9	-13.0	-46.9	Pass
14956.3	38	Vertical	-51.6	-13.0	-38.6	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)			
301.5	162	Horizontal	-70.5	-13.0	-57.5	Pass
674.0	128	Horizontal	-70.9	-13.0	-57.9	Pass
929.0	155	Horizontal	-69.1	-13.0	-56.1	Pass
7212.0	35	Horizontal	-51.8	-13.0	-38.8	Pass
10840.1	170	Horizontal	-56.6	-13.0	-43.6	Pass
14278.2	127	Horizontal	-50.6	-13.0	-37.6	Pass
196.9	50	Vertical	-70.8	-13.0	-57.8	Pass
571.0	156	Vertical	-74.7	-13.0	-61.7	Pass
929.9	108	Vertical	-70.5	-13.0	-57.5	Pass
7277.6	76	Vertical	-53.1	-13.0	-40.1	Pass
10769.7	19	Vertical	-55.1	-13.0	-42.1	Pass
14410.6	263	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)			
284.7	130	Horizontal	-73.4	-13.0	-60.4	Pass
643.1	348	Horizontal	-71.0	-13.0	-58.0	Pass
860.7	151	Horizontal	-69.7	-13.0	-56.7	Pass
7370.5	220	Horizontal	-54.9	-13.0	-41.9	Pass
10943.2	63	Horizontal	-58.1	-13.0	-45.1	Pass
14618.9	275	Horizontal	-55.0	-13.0	-42.0	Pass
246.4	158	Vertical	-69.1	-13.0	-56.1	Pass
642.1	128	Vertical	-73.2	-13.0	-60.2	Pass
1002.6	175	Vertical	-70.4	-13.0	-57.4	Pass
7417.0	232	Vertical	-53.9	-13.0	-40.9	Pass
11005.6	22	Vertical	-57.4	-13.0	-44.4	Pass
14625.6	218	Vertical	-57.7	-13.0	-44.7	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)			
261.2	188	Horizontal	-71.6	-13.0	-58.6	Pass
521.1	267	Horizontal	-73.0	-13.0	-60.0	Pass
894.9	254	Horizontal	-69.7	-13.0	-56.7	Pass
7546.1	297	Horizontal	-60.6	-13.0	-47.6	Pass
11238.4	92	Horizontal	-58.1	-13.0	-45.1	Pass
14872.8	336	Horizontal	-54.0	-13.0	-41.0	Pass
231.1	346	Vertical	-72.3	-13.0	-59.3	Pass
684.8	154	Vertical	-74.3	-13.0	-61.3	Pass
967.3	170	Vertical	-68.7	-13.0	-55.7	Pass
7501.6	303	Vertical	-52.0	-13.0	-39.0	Pass
11178.8	80	Vertical	-60.2	-13.0	-47.2	Pass
14885.5	46	Vertical	-51.2	-13.0	-38.2	Pass

5G NR Continuous CA, Nominal Bandwidth: 40+40M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
258.8	162	Horizontal	-69.9	-13.0	-56.9	Pass
633.4	134	Horizontal	-70.9	-13.0	-57.9	Pass
937.9	146	Horizontal	-69.0	-13.0	-56.0	Pass
7150.0	33	Horizontal	-52.1	-13.0	-39.1	Pass
10773.1	180	Horizontal	-57.4	-13.0	-44.4	Pass
14351.6	130	Horizontal	-51.9	-13.0	-38.9	Pass
238.6	60	Vertical	-71.1	-13.0	-58.1	Pass
649.5	154	Vertical	-74.2	-13.0	-61.2	Pass
912.2	107	Vertical	-69.6	-13.0	-56.6	Pass
7298.7	74	Vertical	-53.2	-13.0	-40.2	Pass
10857.2	22	Vertical	-55.0	-13.0	-42.0	Pass
14301.1	260	Vertical	-55.9	-13.0	-42.9	Pass



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5G NR Continuous CA, Nominal Bandwidth: 40+40M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
205.9	128	Horizontal	-73.0	-13.0	-60.0	Pass
495.5	354	Horizontal	-70.7	-13.0	-57.7	Pass
902.8	157	Horizontal	-69.5	-13.0	-56.5	Pass
7350.2	225	Horizontal	-54.9	-13.0	-41.9	Pass
10949.8	53	Horizontal	-58.2	-13.0	-45.2	Pass
14600.6	279	Horizontal	-54.6	-13.0	-41.6	Pass
325.5	156	Vertical	-68.5	-13.0	-55.5	Pass
638.2	116	Vertical	-71.7	-13.0	-58.7	Pass
912.8	165	Vertical	-69.8	-13.0	-56.8	Pass
7312.0	230	Vertical	-54.2	-13.0	-41.2	Pass
11039.4	23	Vertical	-57.4	-13.0	-44.4	Pass
14659.9	227	Vertical	-57.3	-13.0	-44.3	Pass

5G NR Continuous CA, Nominal Bandwidth: 40+40M _ High channel						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
251.6	185	Horizontal	-71.6	-13.0	-58.6	Pass
579.7	272	Horizontal	-72.2	-13.0	-59.2	Pass
932.9	244	Horizontal	-69.4	-13.0	-56.4	Pass
7409.9	288	Horizontal	-59.8	-13.0	-46.8	Pass
11119.2	96	Horizontal	-57.3	-13.0	-44.3	Pass
14842.6	346	Horizontal	-54.1	-13.0	-41.1	Pass
184.7	343	Vertical	-72.2	-13.0	-59.2	Pass
680.2	148	Vertical	-73.9	-13.0	-60.9	Pass
894.1	177	Vertical	-70.0	-13.0	-57.0	Pass
7487.9	300	Vertical	-51.9	-13.0	-38.9	Pass
11160.1	79	Vertical	-60.4	-13.0	-47.4	Pass
14812.5	39	Vertical	-51.9	-13.0	-38.9	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)			
274.9	153	Horizontal	-71.3	-13.0	-58.3	Pass
606.2	137	Horizontal	-70.5	-13.0	-57.5	Pass
913.8	145	Horizontal	-70.1	-13.0	-57.1	Pass
7156.7	27	Horizontal	-52.0	-13.0	-39.0	Pass
10723.0	174	Horizontal	-57.6	-13.0	-44.6	Pass
14326.3	125	Horizontal	-52.1	-13.0	-39.1	Pass
206.8	53	Vertical	-70.4	-13.0	-57.4	Pass
729.2	151	Vertical	-74.2	-13.0	-61.2	Pass
981.3	108	Vertical	-70.9	-13.0	-57.9	Pass
7191.2	84	Vertical	-52.9	-13.0	-39.9	Pass
10754.0	17	Vertical	-54.3	-13.0	-41.3	Pass
14296.1	267	Vertical	-55.6	-13.0	-42.6	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)			
254.3	131	Horizontal	-73.4	-13.0	-60.4	Pass
643.6	354	Horizontal	-71.9	-13.0	-58.9	Pass
877.7	161	Horizontal	-69.6	-13.0	-56.6	Pass
7366.8	216	Horizontal	-53.8	-13.0	-40.8	Pass
10927.8	58	Horizontal	-57.8	-13.0	-44.8	Pass
14596.8	274	Horizontal	-55.0	-13.0	-42.0	Pass
291.2	154	Vertical	-68.9	-13.0	-55.9	Pass
601.7	119	Vertical	-72.3	-13.0	-59.3	Pass
949.9	163	Vertical	-70.4	-13.0	-57.4	Pass
7314.0	223	Vertical	-53.5	-13.0	-40.5	Pass
10978.2	35	Vertical	-58.3	-13.0	-45.3	Pass
14637.2	230	Vertical	-56.2	-13.0	-43.2	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)			
267.1	185	Horizontal	-71.1	-13.0	-58.1	Pass
592.1	277	Horizontal	-72.7	-13.0	-59.7	Pass
813.8	253	Horizontal	-70.5	-13.0	-57.5	Pass
7404.4	294	Horizontal	-59.2	-13.0	-46.2	Pass
11179.0	92	Horizontal	-57.7	-13.0	-44.7	Pass
14897.2	339	Horizontal	-54.6	-13.0	-41.6	Pass
198.4	333	Vertical	-72.4	-13.0	-59.4	Pass
625.8	151	Vertical	-74.0	-13.0	-61.0	Pass
914.8	167	Vertical	-68.9	-13.0	-55.9	Pass
7480.7	308	Vertical	-51.0	-13.0	-38.0	Pass
11273.3	77	Vertical	-59.7	-13.0	-46.7	Pass
14872.3	41	Vertical	-51.6	-13.0	-38.6	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)			
252.9	159	Horizontal	-70.5	-13.0	-57.5	Pass
525.4	131	Horizontal	-70.7	-13.0	-57.7	Pass
946.7	153	Horizontal	-69.6	-13.0	-56.6	Pass
7257.8	41	Horizontal	-52.8	-13.0	-39.8	Pass
10827.3	165	Horizontal	-57.6	-13.0	-44.6	Pass
14356.6	119	Horizontal	-51.9	-13.0	-38.9	Pass
217.8	49	Vertical	-71.3	-13.0	-58.3	Pass
671.8	151	Vertical	-73.9	-13.0	-60.9	Pass
907.8	105	Vertical	-70.4	-13.0	-57.4	Pass
7210.9	76	Vertical	-53.6	-13.0	-40.6	Pass
10828.6	14	Vertical	-55.5	-13.0	-42.5	Pass
14308.2	266	Vertical	-55.5	-13.0	-42.5	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)			
237.9	123	Horizontal	-73.6	-13.0	-60.6	Pass
643.9	353	Horizontal	-70.2	-13.0	-57.2	Pass
854.7	159	Horizontal	-68.8	-13.0	-55.8	Pass
7396.7	222	Horizontal	-54.2	-13.0	-41.2	Pass
11049.8	55	Horizontal	-57.2	-13.0	-44.2	Pass
14594.2	279	Horizontal	-55.5	-13.0	-42.5	Pass
281.6	168	Vertical	-68.8	-13.0	-55.8	Pass
583.2	126	Vertical	-72.7	-13.0	-59.7	Pass
965.3	178	Vertical	-69.6	-13.0	-56.6	Pass
7427.0	229	Vertical	-53.8	-13.0	-40.8	Pass
10997.4	32	Vertical	-57.1	-13.0	-44.1	Pass
14614.4	230	Vertical	-56.8	-13.0	-43.8	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)			
271.1	184	Horizontal	-70.9	-13.0	-57.9	Pass
572.0	273	Horizontal	-73.1	-13.0	-60.1	Pass
828.3	257	Horizontal	-70.0	-13.0	-57.0	Pass
7506.5	299	Horizontal	-60.3	-13.0	-47.3	Pass
11142.6	97	Horizontal	-57.7	-13.0	-44.7	Pass
14902.3	338	Horizontal	-54.0	-13.0	-41.0	Pass
294.5	340	Vertical	-71.7	-13.0	-58.7	Pass
638.1	152	Vertical	-73.8	-13.0	-60.8	Pass
916.6	167	Vertical	-69.6	-13.0	-56.6	Pass
7578.8	304	Vertical	-51.8	-13.0	-38.8	Pass
11181.1	77	Vertical	-59.8	-13.0	-46.8	Pass
14963.7	37	Vertical	-51.7	-13.0	-38.7	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)			
245.6	157	Horizontal	-70.4	-13.0	-57.4	Pass
521.6	137	Horizontal	-70.2	-13.0	-57.2	Pass
913.5	144	Horizontal	-70.0	-13.0	-57.0	Pass
7246.4	39	Horizontal	-51.4	-13.0	-38.4	Pass
10768.1	171	Horizontal	-57.3	-13.0	-44.3	Pass
14319.8	132	Horizontal	-51.2	-13.0	-38.2	Pass
260.0	55	Vertical	-72.0	-13.0	-59.0	Pass
700.1	156	Vertical	-74.8	-13.0	-61.8	Pass
912.7	100	Vertical	-70.3	-13.0	-57.3	Pass
7257.9	81	Vertical	-53.4	-13.0	-40.4	Pass
10757.1	17	Vertical	-55.2	-13.0	-42.2	Pass
14376.3	262	Vertical	-56.0	-13.0	-43.0	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)			
287.8	126	Horizontal	-73.0	-13.0	-60.0	Pass
506.0	357	Horizontal	-70.3	-13.0	-57.3	Pass
907.6	160	Horizontal	-68.9	-13.0	-55.9	Pass
7338.0	223	Horizontal	-54.7	-13.0	-41.7	Pass
11010.5	63	Horizontal	-56.8	-13.0	-43.8	Pass
14608.6	271	Horizontal	-54.3	-13.0	-41.3	Pass
265.8	153	Vertical	-68.8	-13.0	-55.8	Pass
655.2	126	Vertical	-72.3	-13.0	-59.3	Pass
951.2	168	Vertical	-69.9	-13.0	-56.9	Pass
7386.7	226	Vertical	-54.1	-13.0	-41.1	Pass
11037.0	27	Vertical	-57.0	-13.0	-44.0	Pass
14600.5	234	Vertical	-57.7	-13.0	-44.7	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)			
248.7	184	Horizontal	-71.5	-13.0	-58.5	Pass
597.4	279	Horizontal	-72.9	-13.0	-59.9	Pass
892.4	252	Horizontal	-69.5	-13.0	-56.5	Pass
7566.8	290	Horizontal	-59.9	-13.0	-46.9	Pass
11201.6	99	Horizontal	-57.6	-13.0	-44.6	Pass
14952.2	342	Horizontal	-53.9	-13.0	-40.9	Pass
238.3	336	Vertical	-71.7	-13.0	-58.7	Pass
670.4	145	Vertical	-73.7	-13.0	-60.7	Pass
906.3	168	Vertical	-68.7	-13.0	-55.7	Pass
7455.9	307	Vertical	-51.5	-13.0	-38.5	Pass
11211.0	73	Vertical	-60.1	-13.0	-47.1	Pass
14875.6	43	Vertical	-51.4	-13.0	-38.4	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)			
193.7	155	Horizontal	-70.6	-13.0	-57.6	Pass
549.2	130	Horizontal	-71.0	-13.0	-58.0	Pass
969.6	151	Horizontal	-70.1	-13.0	-57.1	Pass
7130.7	35	Horizontal	-52.3	-13.0	-39.3	Pass
10729.0	176	Horizontal	-56.7	-13.0	-43.7	Pass
14305.0	125	Horizontal	-51.3	-13.0	-38.3	Pass
252.7	53	Vertical	-71.4	-13.0	-58.4	Pass
647.1	152	Vertical	-74.5	-13.0	-61.5	Pass
985.7	98	Vertical	-70.1	-13.0	-57.1	Pass
7270.8	78	Vertical	-53.4	-13.0	-40.4	Pass
10755.2	14	Vertical	-54.7	-13.0	-41.7	Pass
14322.9	257	Vertical	-55.7	-13.0	-42.7	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)			
288.5	134	Horizontal	-73.8	-13.0	-60.8	Pass
504.8	360	Horizontal	-71.8	-13.0	-58.8	Pass
913.5	159	Horizontal	-69.3	-13.0	-56.3	Pass
7313.6	221	Horizontal	-53.8	-13.0	-40.8	Pass
11029.3	62	Horizontal	-57.5	-13.0	-44.5	Pass
14594.3	277	Horizontal	-54.7	-13.0	-41.7	Pass
278.0	157	Vertical	-69.1	-13.0	-56.1	Pass
616.3	121	Vertical	-72.6	-13.0	-59.6	Pass
955.0	170	Vertical	-69.9	-13.0	-56.9	Pass
7374.7	235	Vertical	-54.1	-13.0	-41.1	Pass
10969.9	27	Vertical	-57.5	-13.0	-44.5	Pass
14589.6	230	Vertical	-57.6	-13.0	-44.6	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)			
313.6	188	Horizontal	-71.1	-13.0	-58.1	Pass
576.8	276	Horizontal	-73.4	-13.0	-60.4	Pass
956.7	251	Horizontal	-70.1	-13.0	-57.1	Pass
7430.5	284	Horizontal	-59.4	-13.0	-46.4	Pass
11224.8	93	Horizontal	-57.7	-13.0	-44.7	Pass
14877.6	340	Horizontal	-54.2	-13.0	-41.2	Pass
264.1	341	Vertical	-72.3	-13.0	-59.3	Pass
705.7	149	Vertical	-73.2	-13.0	-60.2	Pass
933.2	173	Vertical	-69.0	-13.0	-56.0	Pass
7492.1	303	Vertical	-51.2	-13.0	-38.2	Pass
11162.1	81	Vertical	-60.2	-13.0	-47.2	Pass
14919.2	43	Vertical	-51.6	-13.0	-38.6	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)			
244.2	181	Horizontal	-71.0	-13.0	-58.0	Pass
622.9	275	Horizontal	-72.7	-13.0	-59.7	Pass
982.6	247	Horizontal	-69.3	-13.0	-56.3	Pass
7549.2	292	Horizontal	-59.2	-13.0	-46.2	Pass
11216.9	97	Horizontal	-57.6	-13.0	-44.6	Pass
14822.0	343	Horizontal	-53.5	-13.0	-40.5	Pass
199.9	334	Vertical	-71.8	-13.0	-58.8	Pass
606.3	154	Vertical	-74.9	-13.0	-61.9	Pass
937.1	173	Vertical	-69.9	-13.0	-56.9	Pass
7500.8	298	Vertical	-51.5	-13.0	-38.5	Pass
11229.3	74	Vertical	-59.6	-13.0	-46.6	Pass
14908.9	45	Vertical	-51.7	-13.0	-38.7	Pass

5G NR Non Continuous CA, Nominal Bandwidth: 20+20M						
Frequency (MHz)	Spurious Emission Level			Limit dBm	Over limit dB	Result
	(Deg)	Polaxis	(dBm)			
268.4	191	Horizontal	-71.5	-13.0	-58.5	Pass
639.5	277	Horizontal	-72.5	-13.0	-59.5	Pass
932.6	252	Horizontal	-70.5	-13.0	-57.5	Pass
7526.3	292	Horizontal	-59.9	-13.0	-46.9	Pass
11197.0	100	Horizontal	-58.3	-13.0	-45.3	Pass
14926.8	344	Horizontal	-54.2	-13.0	-41.2	Pass
238.3	341	Vertical	-71.6	-13.0	-58.6	Pass
643.3	146	Vertical	-73.6	-13.0	-60.6	Pass
894.5	166	Vertical	-68.5	-13.0	-55.5	Pass
7454.8	306	Vertical	-52.2	-13.0	-39.2	Pass
11176.3	75	Vertical	-60.4	-13.0	-47.4	Pass
14869.0	38	Vertical	-51.1	-13.0	-38.1	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)			
207.5	191	Horizontal	-71.1	-13.0	-58.1	Pass
687.1	275	Horizontal	-72.1	-13.0	-59.1	Pass
895.4	250	Horizontal	-70.3	-13.0	-57.3	Pass
7459.5	287	Horizontal	-59.6	-13.0	-46.6	Pass
11220.8	96	Horizontal	-57.2	-13.0	-44.2	Pass
14900.1	341	Horizontal	-54.4	-13.0	-41.4	Pass
242.8	340	Vertical	-71.5	-13.0	-58.5	Pass
685.1	146	Vertical	-73.9	-13.0	-60.9	Pass
900.5	164	Vertical	-68.7	-13.0	-55.7	Pass
7501.3	303	Vertical	-51.5	-13.0	-38.5	Pass
11178.2	73	Vertical	-60.7	-13.0	-47.7	Pass
14924.1	46	Vertical	-51.1	-13.0	-38.1	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)			
229.2	190	Horizontal	-71.2	-13.0	-58.2	Pass
524.4	281	Horizontal	-72.4	-13.0	-59.4	Pass
897.5	243	Horizontal	-70.5	-13.0	-57.5	Pass
7456.3	287	Horizontal	-59.2	-13.0	-46.2	Pass
11181.6	95	Horizontal	-57.8	-13.0	-44.8	Pass
14956.2	340	Horizontal	-54.1	-13.0	-41.1	Pass
341.8	339	Vertical	-72.5	-13.0	-59.5	Pass
603.7	142	Vertical	-73.8	-13.0	-60.8	Pass
897.7	168	Vertical	-69.6	-13.0	-56.6	Pass
7496.1	297	Vertical	-51.4	-13.0	-38.4	Pass
11175.7	87	Vertical	-60.2	-13.0	-47.2	Pass
14945.4	32	Vertical	-51.6	-13.0	-38.6	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)			
243.8	191	Horizontal	-70.9	-13.0	-57.9	Pass
560.4	273	Horizontal	-73.0	-13.0	-60.0	Pass
924.4	244	Horizontal	-69.9	-13.0	-56.9	Pass
7518.2	292	Horizontal	-59.6	-13.0	-46.6	Pass
11268.3	96	Horizontal	-57.6	-13.0	-44.6	Pass
14894.6	345	Horizontal	-53.4	-13.0	-40.4	Pass
250.3	341	Vertical	-71.4	-13.0	-58.4	Pass
716.7	149	Vertical	-74.1	-13.0	-61.1	Pass
913.5	177	Vertical	-68.6	-13.0	-55.6	Pass
7479.4	293	Vertical	-51.4	-13.0	-38.4	Pass
11183.9	71	Vertical	-60.4	-13.0	-47.4	Pass
14914.4	39	Vertical	-51.0	-13.0	-38.0	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)			
184.5	194	Horizontal	-70.9	-13.0	-57.9	Pass
612.1	268	Horizontal	-72.3	-13.0	-59.3	Pass
834.0	257	Horizontal	-70.3	-13.0	-57.3	Pass
7471.2	292	Horizontal	-60.5	-13.0	-47.5	Pass
11250.6	104	Horizontal	-58.3	-13.0	-45.3	Pass
14884.8	340	Horizontal	-53.9	-13.0	-40.9	Pass
194.2	335	Vertical	-72.3	-13.0	-59.3	Pass
657.3	153	Vertical	-74.7	-13.0	-61.7	Pass
858.9	174	Vertical	-68.8	-13.0	-55.8	Pass
7483.8	304	Vertical	-51.9	-13.0	-38.9	Pass
11141.3	80	Vertical	-59.9	-13.0	-46.9	Pass
14932.3	42	Vertical	-51.1	-13.0	-38.1	Pass



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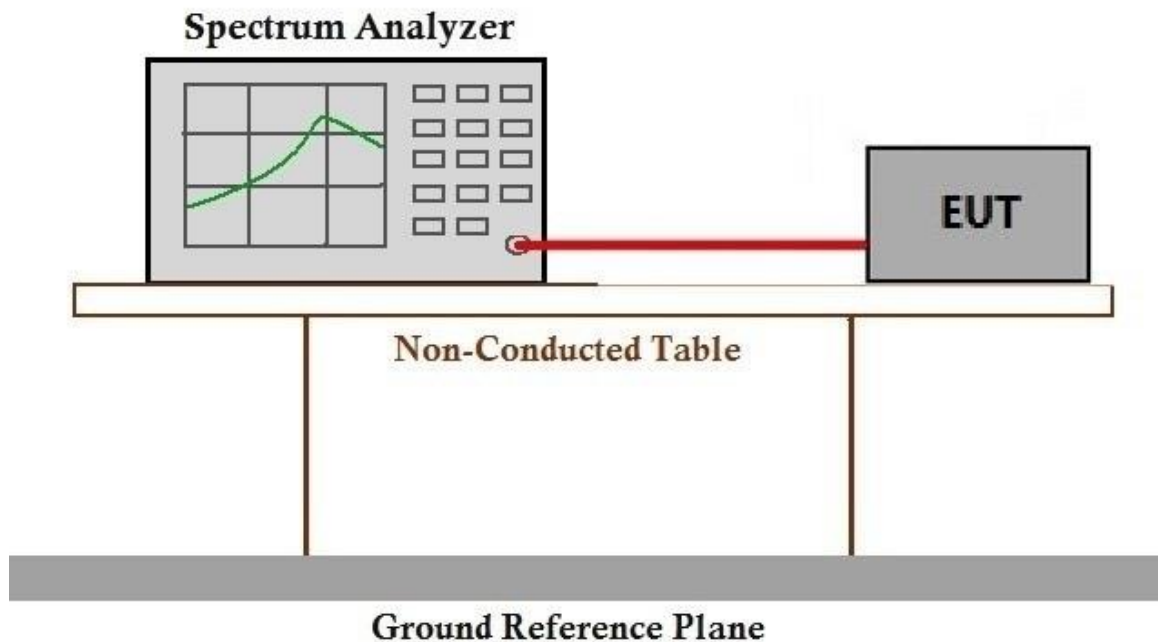
6.7 Frequency stability

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 3750MHz)

Temperature(°C)	Voltage (V dc)	Frequency Error (Hz)	Tolerance(ppm)
45	48.00	41.12	0.0110
40	48.00	50.77	0.0135
30	48.00	25.68	0.0068
20	48.00	27.10	0.0072
10	48.00	37.53	0.0100
0	48.00	29.44	0.0079
-10	48.00	28.01	0.0075

Frequency Stability vs voltage:

1. Test for 5G NR Band n77 Downlink (Middle Channel 3750MHz)

Voltage (V dc)	Temperature(°C)	Frequency Error (Hz)	Tolerance(ppm)
40.20	25	63.18	0.0168
48.00	25	64.47	0.0172
55.80	25	47.24	0.0126

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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