



Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR220800137701

Page: 1 of 95

TEST REPORT

Application No.: KSCR2208001377AT
FCC ID: OJFE62-N3-19
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 24
Date of Receipt: 2022-08-12
Date of Test: 2022-08-15 to 2022-08-28
Date of Issue: 2022-08-29

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

Eric Lin
Laboratory Manager



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Revision Record				
Version	Chapter	Date	Modifier	Remark
00	Original	2022-08-29		/

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



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2 Test Summary

Test Item	FCC Rule No.	Verdict
Effective (Isotropic) Radiated Power Output Data	§2.1046, §24.232	PASS
Peak-Average Ratio	§24.232(d)	PASS
Bandwidth	§2.1049(h)	PASS
Band Edge Compliance	§2.1051, §24.238	PASS
Spurious emissions at antenna terminals	§2.1051, §24.238	PASS
Radiated spurious radiation	§2.1051, §24.238	PASS
Frequency stability	§2.1055 §24.235	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:	1930MHz to 1995MHz
Normal Output Power(EIRP):	29 ± 2dBm
Modulation Type:	5G NR: CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM
MIMO:	4T4R MIMO,2T2R MIMO,SISO
Temperature Range:	-10℃ to 45℃

4.2 Test Frequency

	SCS	Carrier	Bandwidth (MHz)	Continue		
				Low	Middle	High
5G NR (1930-1995MHz)	15KHz	1CC	10MHz	1935	1962.5	1990
			15MHz	1937.5	1962.5	1987.5
			20MHz	1940	1962.5	1985
			25MHz	1942.5	1962.5	1982.5
			30MHz	1945	1962.5	1980
			40MHz	1950	1962.5	1975
		2CC	10+10MHz	1940	1962.5	1985
			20+20MHz	1950	1962.5	1975
		3CC	10+10+10MHz	1945	1962.5	1980
		4CC	10+10+10+10MHz	1950	1962.5	1975
		5CC	10+10+10+10+10MHz	1955	1962.5	1970
		6CC	10+10+10+10+10+10MHz	1960	1962.5	1965



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	SCS	Carrier	Bandwidth (MHz)	Continue		
				Low	Middle	High
5G NR (1930-1995MHz)	30KHz	1CC	10MHz	1935	1962.5	1990
			15MHz	1937.5	1962.5	1987.5
			20MHz	1940	1962.5	1985
			25MHz	1942.5	1962.5	1982.5
			30MHz	1945	1962.5	1980
			40MHz	1950	1962.5	1975
		2CC	10+10MHz	1940	1962.5	1985
			20+20MHz	1950	1962.5	1975
		3CC	10+10+10MHz	1945	1962.5	1980
		4CC	10+10+10+10MHz	1950	1962.5	1975
		5CC	10+10+10+10+10MHz	1955	1962.5	1970
		6CC	10+10+10+10+10+10MHz	1960	1962.5	1965

	SCS	Carrier	Bandwidth (MHz)	Non-Continue
				Channel
5G NR (1930-1995MHz)	15KHz	1CC	10MHz	/
			15MHz	/
			20MHz	/
			25MHz	/
			30MHz	/
			40MHz	/
		2CC	10+10MHz	1935+1990
			20+20MHz	1940+1985
		3CC	10+10+10MHz	1935+1962.5+1990
		4CC	10+10+10+10MHz	1935+1953+1972+1980
		5CC	10+10+10+10+10MHz	1935+1949+1963+1977+1990
		6CC	10+10+10+10+10+10MHz	1935+1946+1957+1968+1979+1990



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	SCS	Carrier	Bandwidth (MHz)	Non-Continue
				Channel
5G NR (1930-1995MHz)	30KHz	1CC	10MHz	/
			15MHz	/
			20MHz	/
			25MHz	/
			30MHz	/
			40MHz	/
		2CC	10+10MHz	1935+1990
			20+20MHz	1940+1985
		3CC	10+10+10MHz	1935+1962.5+1990
		4CC	10+10+10+10MHz	1935+1953+1972+1980
		5CC	10+10+10+10+10MHz	1935+1949+1963+1977+1990
		6CC	10+10+10+10+10+10MHz	1935+1946+1957+1968+1979+1990



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4.3 Test Support Unit

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

4.4 Measurement Uncertainty

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

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



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4.5 Test Location

All tests were performed at:

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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.

Note:

- 1.SGS is not responsible for wrong test results due to incorrect information (e.g., max. internal working frequency, antenna gain, cable loss, etc) is provided by the applicant. (If applicable).
- 2.SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (If applicable).

4.6 Test Facility

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

• CNAS

Compliance Certification Services (Kunshan) Inc. is accredited by the China National Accreditation Service for Conformity Assessment (CNAS). Registration No. CNAS L4354

• A2LA

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

• FCC

Compliance Certification Services (Kunshan) Inc. has been recognized as an accredited testing laboratory. Designation Number: CN1172.

• ISED

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

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 08/27/2022	08/26/2022 08/26/2023
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	Horn Antenna(18-40GHz)	Schwarzbeck	BBHA9170	9170-515	02/22/2022	02/21/2023
10	Pre-Amplifier(30MHz~18GHz)	LNA	/	/	04/15/2022	04/14/2023
11	Amplifier(18~40GHz)	COM-POWER	PAM-840A	461332	10/18/2021	10/17/2022
12	Low Pass Filter	MICRO-TRONICS	VLFX-950	RV142900829	N.C.R	N.C.R
13	High Pass Filter	Mini-Circuits	VHF-1200	15542	N.C.R	N.C.R
14	Filter (5450MHz~5770 MHz)	MICRO-TRONICS	BRC50704-01	2	N.C.R	N.C.R
15	Filter (5690 MHz~5930 MHz)	MICRO-TRONICS	BRC50705-01	4	N.C.R	N.C.R
16	Filter (5150 MHz~5350 MHz)	MICRO-TRONICS	BRC50703-01	2	N.C.R	N.C.R
17	Filter (885 MHz~915 MHz)	MICRO-TRONICS	BRM14698	1	N.C.R	N.C.R
18	Filter (815 MHz~860 MHz)	MICRO-TRONICS	BRM14697	1	N.C.R	N.C.R
19	Filter (1745 MHz~1910 MHz)	MICRO-TRONICS	BRM14700	1	N.C.R	N.C.R
20	Filter (1922 MHz~1977 MHz)	MICRO-TRONICS	BRM50715	1	N.C.R	N.C.R
21	Filter (2550 MHz)	MICRO-TRONICS	HPM13362	5	N.C.R	N.C.R
22	Filter (1532 MHz~1845 MHz)	MICRO-TRONICS	BRM50713	1	N.C.R	N.C.R
23	Filter (2.4GHz)	MICRO-TRONICS	BRM50701	5	N.C.R	N.C.R
24	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, §24.232

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: EIRP ≤ 62.15dBm/MHz

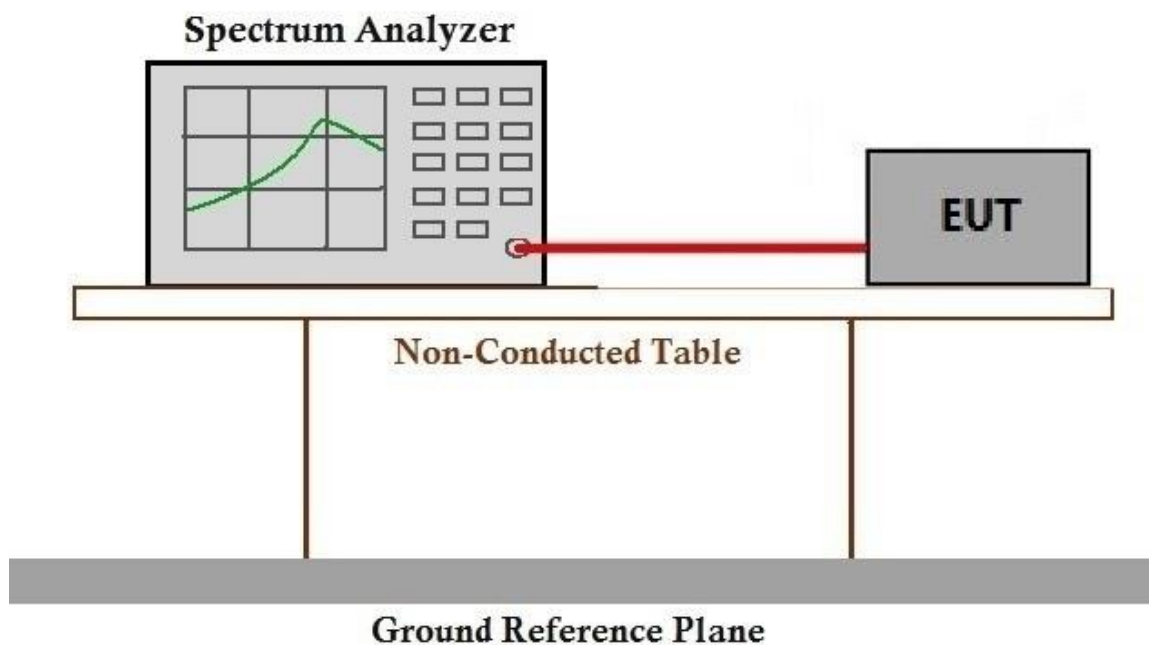
6.1.1 E.U.T. Operation

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 15KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10M	LCH	QPSK	Full	0	20.23	10.42	26.24	16.43	62.15
		16QAM	Full	0	20.19	10.38	26.20	16.39	62.15
		64QAM	Full	0	20.11	10.39	26.12	16.40	62.15
		256QAM	Full	0	20.15	10.33	26.16	16.34	62.15
	MCH	QPSK	Full	0	20.17	10.33	26.18	16.34	62.15
		16QAM	Full	0	20.22	10.12	26.23	16.13	62.15
		64QAM	Full	0	20.21	10.22	26.22	16.23	62.15
		256QAM	Full	0	20.03	10.12	26.04	16.13	62.15
	HCH	QPSK	Full	0	20.23	10.36	26.24	16.37	62.15
		16QAM	Full	0	20.09	10.31	26.10	16.32	62.15
		64QAM	Full	0	20.17	10.16	26.18	16.17	62.15
		256QAM	Full	0	20.20	10.08	26.21	16.09	62.15
15M	LCH	QPSK	Full	0	20.25	8.86	26.26	14.87	62.15
		16QAM	Full	0	20.17	8.77	26.18	14.78	62.15
		64QAM	Full	0	20.20	8.73	26.21	14.74	62.15
		256QAM	Full	0	20.08	8.69	26.09	14.70	62.15
	MCH	QPSK	Full	0	20.23	8.79	26.24	14.80	62.15
		16QAM	Full	0	20.17	8.69	26.18	14.70	62.15
		64QAM	Full	0	20.04	8.50	26.05	14.51	62.15
		256QAM	Full	0	20.08	8.43	26.09	14.44	62.15
	HCH	QPSK	Full	0	20.13	8.69	26.14	14.70	62.15
		16QAM	Full	0	20.09	8.46	26.10	14.47	62.15
		64QAM	Full	0	20.12	8.46	26.13	14.47	62.15
		256QAM	Full	0	20.05	8.67	26.06	14.68	62.15
20M	LCH	QPSK	Full	0	20.21	7.76	26.22	13.77	62.15
		16QAM	Full	0	20.17	7.47	26.18	13.48	62.15
		64QAM	Full	0	20.19	7.62	26.20	13.63	62.15
		256QAM	Full	0	20.09	7.51	26.10	13.52	62.15
	MCH	QPSK	Full	0	20.22	7.86	26.23	13.87	62.15
		16QAM	Full	0	20.09	7.77	26.10	13.78	62.15
		64QAM	Full	0	20.09	7.73	26.10	13.74	62.15
		256QAM	Full	0	20.01	7.69	26.02	13.70	62.15
	HCH	QPSK	Full	0	20.19	7.68	26.20	13.69	62.15



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		16QAM	Full	0	20.15	7.61	26.16	13.62	62.15
		64QAM	Full	0	20.12	7.62	26.13	13.63	62.15
		256QAM	Full	0	20.16	7.65	26.17	13.66	62.15
25M	LCH	QPSK	Full	0	20.17	6.86	26.18	12.87	62.15
		16QAM	Full	0	20.11	6.54	26.12	12.55	62.15
		64QAM	Full	0	20.03	6.50	26.04	12.51	62.15
		256QAM	Full	0	20.04	6.59	26.05	12.60	62.15
	MCH	QPSK	Full	0	20.23	6.79	26.24	12.80	62.15
		16QAM	Full	0	20.22	6.74	26.23	12.75	62.15
		64QAM	Full	0	20.15	6.60	26.16	12.61	62.15
		256QAM	Full	0	20.27	6.68	26.28	12.69	62.15
	HCH	QPSK	Full	0	20.11	6.72	26.12	12.73	62.15
		16QAM	Full	0	20.09	6.47	26.10	12.48	62.15
		64QAM	Full	0	20.10	6.49	26.11	12.50	62.15
		256QAM	Full	0	20.13	6.50	26.14	12.51	62.15
30M	LCH	QPSK	Full	0	20.18	5.59	26.19	11.60	62.15
		16QAM	Full	0	20.16	5.48	26.17	11.49	62.15
		64QAM	Full	0	20.05	5.44	26.06	11.45	62.15
		256QAM	Full	0	20.13	5.54	26.14	11.55	62.15
	MCH	QPSK	Full	0	20.21	5.84	26.22	11.85	62.15
		16QAM	Full	0	20.06	5.49	26.07	11.50	62.15
		64QAM	Full	0	20.14	5.45	26.15	11.46	62.15
		256QAM	Full	0	20.18	5.60	26.19	11.61	62.15
	HCH	QPSK	Full	0	20.27	5.82	26.28	11.83	62.15
		16QAM	Full	0	20.09	5.64	26.10	11.65	62.15
		64QAM	Full	0	20.20	5.48	26.21	11.49	62.15
		256QAM	Full	0	20.18	5.44	26.19	11.45	62.15
40M	LCH	QPSK	Full	0	20.15	4.84	26.16	10.85	62.15
		16QAM	Full	0	20.21	4.53	26.22	10.54	62.15
		64QAM	Full	0	20.14	4.40	26.15	10.41	62.15
		256QAM	Full	0	20.17	4.38	26.18	10.39	62.15
	MCH	QPSK	Full	0	20.30	4.75	26.31	10.76	62.15
		16QAM	Full	0	20.25	4.55	26.26	10.56	62.15
		64QAM	Full	0	20.14	4.40	26.15	10.41	62.15
		256QAM	Full	0	20.06	4.37	26.07	10.38	62.15
	HCH	QPSK	Full	0	20.18	4.85	26.19	10.86	62.15
		16QAM	Full	0	20.08	4.51	26.09	10.52	62.15
		64QAM	Full	0	20.10	4.51	26.11	10.52	62.15
		256QAM	Full	0	20.04	4.69	26.05	10.70	62.15



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2 Carriers _ SCS 15KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10M	LCH	QPSK	Full	0	20.26	7.39	26.27	13.40	62.15
		16QAM	Full	0	20.00	7.25	26.01	13.26	62.15
		64QAM	Full	0	20.31	7.23	26.32	13.24	62.15
		256QAM	Full	0	20.04	7.18	26.05	13.19	62.15
	MCH	QPSK	Full	0	20.27	7.37	26.28	13.38	62.15
		16QAM	Full	0	20.02	7.33	26.03	13.34	62.15
		64QAM	Full	0	20.08	7.29	26.09	13.30	62.15
		256QAM	Full	0	20.08	7.25	26.09	13.26	62.15
	HCH	QPSK	Full	0	20.29	7.42	26.30	13.43	62.15
		16QAM	Full	0	20.05	7.36	26.06	13.37	62.15
		64QAM	Full	0	20.05	7.34	26.06	13.35	62.15
		256QAM	Full	0	20.15	7.31	26.16	13.32	62.15
20+20M	LCH	QPSK	Full	0	20.31	4.70	26.32	10.71	62.15
		16QAM	Full	0	20.27	4.51	26.28	10.52	62.15
		64QAM	Full	0	20.14	4.52	26.15	10.53	62.15
		256QAM	Full	0	20.10	4.53	26.11	10.54	62.15
	MCH	QPSK	Full	0	20.26	4.73	26.27	10.74	62.15
		16QAM	Full	0	20.13	4.48	26.14	10.49	62.15
		64QAM	Full	0	20.13	4.59	26.14	10.60	62.15
		256QAM	Full	0	20.11	4.39	26.12	10.40	62.15
	HCH	QPSK	Full	0	20.25	4.59	26.26	10.60	62.15
		16QAM	Full	0	20.18	4.49	26.19	10.50	62.15
		64QAM	Full	0	20.13	4.47	26.14	10.48	62.15
		256QAM	Full	0	20.10	4.56	26.11	10.57	62.15



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3 Carriers _ SCS 15KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10+10M	LCH	QPSK	Full	0	20.29	5.70	26.30	11.71	62.15
		16QAM	Full	0	20.28	5.63	26.29	11.64	62.15
		64QAM	Full	0	20.11	5.47	26.12	11.48	62.15
		256QAM	Full	0	20.07	5.46	26.08	11.47	62.15
	MCH	QPSK	Full	0	20.33	5.80	26.34	11.81	62.15
		16QAM	Full	0	20.12	5.55	26.13	11.56	62.15
		64QAM	Full	0	20.21	5.63	26.22	11.64	62.15
		256QAM	Full	0	20.04	5.68	26.05	11.69	62.15
	HCH	QPSK	Full	0	20.23	5.69	26.24	11.70	62.15
		16QAM	Full	0	20.17	5.65	26.18	11.66	62.15
		64QAM	Full	0	20.15	5.54	26.16	11.55	62.15
		256QAM	Full	0	20.06	5.46	26.07	11.47	62.15
4 Carriers _ SCS 15KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10+10+10M	LCH	QPSK	Full	0	20.15	4.79	26.16	10.80	62.15
		16QAM	Full	0	20.08	4.52	26.09	10.53	62.15
		64QAM	Full	0	20.01	4.47	26.02	10.48	62.15
		256QAM	Full	0	20.03	4.58	26.04	10.59	62.15
	MCH	QPSK	Full	0	20.27	4.62	26.28	10.63	62.15
		16QAM	Full	0	20.01	4.57	26.02	10.58	62.15
		64QAM	Full	0	20.21	4.54	26.22	10.55	62.15
		256QAM	Full	0	20.12	4.43	26.13	10.44	62.15
	HCH	QPSK	Full	0	20.19	4.68	26.20	10.69	62.15
		16QAM	Full	0	20.05	4.59	26.06	10.60	62.15
		64QAM	Full	0	20.14	4.39	26.15	10.40	62.15
		256QAM	Full	0	20.00	4.61	26.01	10.62	62.15



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5 Carriers _ SCS 15KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10+10+10+10M	LCH	QPSK	Full	0	20.32	3.80	26.33	9.81	62.15
		16QAM	Full	0	20.05	3.50	26.06	9.51	62.15
		64QAM	Full	0	20.06	3.64	26.07	9.65	62.15
		256QAM	Full	0	20.12	3.45	26.13	9.46	62.15
	MCH	QPSK	Full	0	20.19	3.69	26.20	9.70	62.15
		16QAM	Full	0	20.16	3.66	26.17	9.67	62.15
		64QAM	Full	0	20.13	3.55	26.14	9.56	62.15
		256QAM	Full	0	20.11	3.60	26.12	9.61	62.15
	HCH	QPSK	Full	0	20.25	3.67	26.26	9.68	62.15
		16QAM	Full	0	20.12	3.47	26.13	9.48	62.15
		64QAM	Full	0	20.25	3.62	26.26	9.63	62.15
		256QAM	Full	0	20.07	3.58	26.08	9.59	62.15
6 Carriers _ SCS 15KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10+10+10+10+10M	LCH	QPSK	Full	0	20.29	2.65	26.30	8.66	62.15
		16QAM	Full	0	20.08	2.46	26.09	8.47	62.15
		64QAM	Full	0	20.12	2.51	26.13	8.52	62.15
		256QAM	Full	0	20.15	2.59	26.16	8.60	62.15
	MCH	QPSK	Full	0	20.30	2.71	26.31	8.72	62.15
		16QAM	Full	0	20.00	2.69	26.01	8.70	62.15
		64QAM	Full	0	20.20	2.59	26.21	8.60	62.15
		256QAM	Full	0	20.16	2.39	26.17	8.40	62.15
	HCH	QPSK	Full	0	20.32	2.56	26.33	8.57	62.15
		16QAM	Full	0	20.15	2.62	26.16	8.63	62.15
		64QAM	Full	0	20.20	2.47	26.21	8.48	62.15
		256QAM	Full	0	20.13	2.48	26.14	8.49	62.15



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1 Carriers _ SCS 15KHz							
BW Arrange+A2:E76	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10M	LCH	QPSK	Full	0	29.25	19.44	62.15
		16QAM	Full	0	29.21	19.40	62.15
		64QAM	Full	0	29.13	19.41	62.15
		256QAM	Full	0	29.17	19.35	62.15
	MCH	QPSK	Full	0	29.19	19.35	62.15
		16QAM	Full	0	29.24	19.14	62.15
		64QAM	Full	0	29.23	19.24	62.15
		256QAM	Full	0	29.05	19.14	62.15
	HCH	QPSK	Full	0	29.25	19.38	62.15
		16QAM	Full	0	29.11	19.33	62.15
		64QAM	Full	0	29.19	19.18	62.15
		256QAM	Full	0	29.22	19.10	62.15
15M	LCH	QPSK	Full	0	29.27	17.88	62.15
		16QAM	Full	0	29.19	17.79	62.15
		64QAM	Full	0	29.22	17.75	62.15
		256QAM	Full	0	29.10	17.71	62.15
	MCH	QPSK	Full	0	29.25	17.81	62.15
		16QAM	Full	0	29.19	17.71	62.15
		64QAM	Full	0	29.06	17.52	62.15
		256QAM	Full	0	29.10	17.45	62.15
	HCH	QPSK	Full	0	29.15	17.71	62.15
		16QAM	Full	0	29.11	17.48	62.15
		64QAM	Full	0	29.14	17.48	62.15
		256QAM	Full	0	29.07	17.69	62.15
20M	LCH	QPSK	Full	0	29.23	16.78	62.15
		16QAM	Full	0	29.19	16.49	62.15
		64QAM	Full	0	29.21	16.64	62.15
		256QAM	Full	0	29.11	16.53	62.15
	MCH	QPSK	Full	0	29.24	16.88	62.15
		16QAM	Full	0	29.11	16.79	62.15
		64QAM	Full	0	29.11	16.75	62.15
		256QAM	Full	0	29.03	16.71	62.15
	HCH	QPSK	Full	0	29.21	16.70	62.15



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25M	LCH	16QAM	Full	0	29.17	16.63	62.15
		64QAM	Full	0	29.14	16.64	62.15
		256QAM	Full	0	29.18	16.67	62.15
		QPSK	Full	0	29.19	15.88	62.15
	MCH	16QAM	Full	0	29.13	15.56	62.15
		64QAM	Full	0	29.05	15.52	62.15
		256QAM	Full	0	29.06	15.61	62.15
		QPSK	Full	0	29.25	15.81	62.15
	HCH	16QAM	Full	0	29.24	15.76	62.15
		64QAM	Full	0	29.17	15.62	62.15
		256QAM	Full	0	29.29	15.70	62.15
		QPSK	Full	0	29.13	15.74	62.15
30M	LCH	16QAM	Full	0	29.11	15.49	62.15
		64QAM	Full	0	29.12	15.51	62.15
		256QAM	Full	0	29.15	15.52	62.15
		QPSK	Full	0	29.20	14.61	62.15
	MCH	16QAM	Full	0	29.18	14.50	62.15
		64QAM	Full	0	29.07	14.46	62.15
		256QAM	Full	0	29.15	14.56	62.15
		QPSK	Full	0	29.23	14.86	62.15
	HCH	16QAM	Full	0	29.08	14.51	62.15
		64QAM	Full	0	29.16	14.47	62.15
		256QAM	Full	0	29.20	14.62	62.15
		QPSK	Full	0	29.29	14.84	62.15
40M	LCH	16QAM	Full	0	29.11	14.66	62.15
		64QAM	Full	0	29.22	14.50	62.15
		256QAM	Full	0	29.20	14.46	62.15
		QPSK	Full	0	29.17	13.86	62.15
	MCH	16QAM	Full	0	29.23	13.55	62.15
		64QAM	Full	0	29.16	13.42	62.15
		256QAM	Full	0	29.19	13.40	62.15
		QPSK	Full	0	29.32	13.77	62.15
	HCH	16QAM	Full	0	29.27	13.57	62.15
		64QAM	Full	0	29.16	13.42	62.15
		256QAM	Full	0	29.08	13.39	62.15
		QPSK	Full	0	29.20	13.87	62.15



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2 Carriers _ SCS 15KHz							
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10+10M	LCH	QPSK	Full	0	29.28	16.41	62.15
		16QAM	Full	0	29.02	16.27	62.15
		64QAM	Full	0	29.33	16.25	62.15
		256QAM	Full	0	29.06	16.20	62.15
	MCH	QPSK	Full	0	29.29	16.39	62.15
		16QAM	Full	0	29.04	16.35	62.15
		64QAM	Full	0	29.10	16.31	62.15
		256QAM	Full	0	29.10	16.27	62.15
	HCH	QPSK	Full	0	29.31	16.44	62.15
		16QAM	Full	0	29.07	16.38	62.15
		64QAM	Full	0	29.07	16.36	62.15
		256QAM	Full	0	29.17	16.33	62.15
20+20M	LCH	QPSK	Full	0	29.33	13.72	62.15
		16QAM	Full	0	29.29	13.53	62.15
		64QAM	Full	0	29.16	13.54	62.15
		256QAM	Full	0	29.12	13.55	62.15
	MCH	QPSK	Full	0	29.28	13.75	62.15
		16QAM	Full	0	29.15	13.50	62.15
		64QAM	Full	0	29.15	13.61	62.15
		256QAM	Full	0	29.13	13.41	62.15
	HCH	QPSK	Full	0	29.27	13.61	62.15
		16QAM	Full	0	29.20	13.51	62.15
		64QAM	Full	0	29.15	13.49	62.15
		256QAM	Full	0	29.12	13.58	62.15



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3 Carriers _ SCS 15KHz							
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10+10+10M	LCH	QPSK	Full	0	29.30	14.71	62.15
		16QAM	Full	0	29.29	14.64	62.15
		64QAM	Full	0	29.12	14.48	62.15
		256QAM	Full	0	29.08	14.47	62.15
	MCH	QPSK	Full	0	29.34	14.81	62.15
		16QAM	Full	0	29.13	14.56	62.15
		64QAM	Full	0	29.22	14.64	62.15
		256QAM	Full	0	29.05	14.69	62.15
	HCH	QPSK	Full	0	29.24	14.70	62.15
		16QAM	Full	0	29.18	14.66	62.15
		64QAM	Full	0	29.16	14.55	62.15
		256QAM	Full	0	29.07	14.47	62.15
4 Carriers _ SCS 15KHz							
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10+10+10+10M	LCH	QPSK	Full	0	29.17	13.81	62.15
		16QAM	Full	0	29.10	13.54	62.15
		64QAM	Full	0	29.03	13.49	62.15
		256QAM	Full	0	29.05	13.60	62.15
	MCH	QPSK	Full	0	29.29	13.64	62.15
		16QAM	Full	0	29.03	13.59	62.15
		64QAM	Full	0	29.23	13.56	62.15
		256QAM	Full	0	29.14	13.45	62.15
	HCH	QPSK	Full	0	29.21	13.70	62.15
		16QAM	Full	0	29.07	13.61	62.15
		64QAM	Full	0	29.16	13.41	62.15
		256QAM	Full	0	29.02	13.63	62.15



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5 Carriers _ SCS 15KHz							
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10+10+10+10+10M	LCH	QPSK	Full	0	29.34	12.82	62.15
		16QAM	Full	0	29.07	12.52	62.15
		64QAM	Full	0	29.08	12.66	62.15
		256QAM	Full	0	29.14	12.47	62.15
	MCH	QPSK	Full	0	29.21	12.71	62.15
		16QAM	Full	0	29.18	12.68	62.15
		64QAM	Full	0	29.15	12.57	62.15
		256QAM	Full	0	29.13	12.62	62.15
	HCH	QPSK	Full	0	29.27	12.69	62.15
		16QAM	Full	0	29.14	12.49	62.15
		64QAM	Full	0	29.27	12.64	62.15
		256QAM	Full	0	29.09	12.60	62.15
6 Carriers _ SCS 15KHz							
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10+10+10+10+10+10M	LCH	QPSK	Full	0	29.31	11.67	62.15
		16QAM	Full	0	29.10	11.48	62.15
		64QAM	Full	0	29.14	11.53	62.15
		256QAM	Full	0	29.17	11.61	62.15
	MCH	QPSK	Full	0	29.32	11.73	62.15
		16QAM	Full	0	29.02	11.71	62.15
		64QAM	Full	0	29.22	11.61	62.15
		256QAM	Full	0	29.18	11.41	62.15
	HCH	QPSK	Full	0	29.34	11.58	62.15
		16QAM	Full	0	29.17	11.64	62.15
		64QAM	Full	0	29.22	11.49	62.15
		256QAM	Full	0	29.15	11.50	62.15



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Report No.: KSCR220800137701

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1 Carriers _ SCS 30KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10M	LCH	QPSK	Full	0	20.29	10.77	26.30	16.78	62.15
		16QAM	Full	0	20.22	10.50	26.23	16.51	62.15
		64QAM	Full	0	20.08	10.41	26.09	16.42	62.15
		256QAM	Full	0	20.17	10.40	26.18	16.41	62.15
	MCH	QPSK	Full	0	20.45	10.82	26.46	16.83	62.15
		16QAM	Full	0	20.33	10.63	26.34	16.64	62.15
		64QAM	Full	0	20.41	10.46	26.42	16.47	62.15
		256QAM	Full	0	20.00	10.38	26.01	16.39	62.15
	HCH	QPSK	Full	0	20.34	10.70	26.35	16.71	62.15
		16QAM	Full	0	20.19	10.54	26.20	16.55	62.15
		64QAM	Full	0	20.10	10.47	26.11	16.48	62.15
		256QAM	Full	0	20.08	10.56	26.09	16.57	62.15
15M	LCH	QPSK	Full	0	20.43	8.66	26.44	14.67	62.15
		16QAM	Full	0	20.21	8.59	26.22	14.60	62.15
		64QAM	Full	0	20.23	8.52	26.24	14.52	62.15
		256QAM	Full	0	20.32	8.43	26.33	14.44	62.15
	MCH	QPSK	Full	0	20.47	8.82	26.48	14.83	62.15
		16QAM	Full	0	20.11	8.75	26.12	14.76	62.15
		64QAM	Full	0	20.34	8.58	26.35	14.59	62.15
		256QAM	Full	0	20.16	8.53	26.17	14.54	62.15
	HCH	QPSK	Full	0	20.39	8.76	26.40	14.77	62.15
		16QAM	Full	0	20.36	8.74	26.37	14.75	62.15
		64QAM	Full	0	20.25	8.41	26.26	14.42	62.15
		256QAM	Full	0	20.23	8.66	26.24	14.67	62.15
20M	LCH	QPSK	Full	0	20.44	7.85	26.45	13.86	62.15
		16QAM	Full	0	20.26	7.56	26.27	13.57	62.15
		64QAM	Full	0	20.30	7.49	26.31	13.50	62.15
		256QAM	Full	0	20.24	7.37	26.25	13.38	62.15
	MCH	QPSK	Full	0	20.32	7.79	26.33	13.80	62.15
		16QAM	Full	0	20.31	7.67	26.32	13.68	62.15
		64QAM	Full	0	20.16	7.57	26.17	13.58	62.15
		256QAM	Full	0	20.19	7.63	26.20	13.64	62.15
	HCH	QPSK	Full	0	20.37	7.72	26.38	13.73	62.15



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		16QAM	Full	0	20.28	7.59	26.29	13.60	62.15
		64QAM	Full	0	20.11	7.69	26.12	13.70	62.15
		256QAM	Full	0	20.07	7.58	26.08	13.59	62.15
25M	LCH	QPSK	Full	0	20.39	6.62	26.40	12.63	62.15
		16QAM	Full	0	20.21	6.50	26.22	12.51	62.15
		64QAM	Full	0	20.07	6.60	26.08	12.61	62.15
		256QAM	Full	0	20.01	6.56	26.02	12.57	62.15
	MCH	QPSK	Full	0	20.46	6.85	26.47	12.86	62.15
		16QAM	Full	0	20.35	6.72	26.36	12.73	62.15
		64QAM	Full	0	20.22	6.61	26.23	12.62	62.15
		256QAM	Full	0	20.31	6.58	26.32	12.59	62.15
	HCH	QPSK	Full	0	20.37	6.71	26.38	12.72	62.15
		16QAM	Full	0	20.20	6.68	26.21	12.69	62.15
		64QAM	Full	0	20.21	6.67	26.22	12.68	62.15
		256QAM	Full	0	20.00	6.59	26.01	12.60	62.15
30M	LCH	QPSK	Full	0	20.34	5.64	26.35	11.65	62.15
		16QAM	Full	0	20.32	5.59	26.33	11.60	62.15
		64QAM	Full	0	20.08	5.54	26.09	11.55	62.15
		256QAM	Full	0	20.23	5.53	26.24	11.54	62.15
	MCH	QPSK	Full	0	20.38	5.64	26.39	11.65	62.15
		16QAM	Full	0	20.19	5.54	26.20	11.55	62.15
		64QAM	Full	0	20.39	5.53	26.40	11.54	62.15
		256QAM	Full	0	20.15	5.65	26.16	11.66	62.15
	HCH	QPSK	Full	0	20.29	5.70	26.30	11.71	62.15
		16QAM	Full	0	20.18	5.60	26.19	11.61	62.15
		64QAM	Full	0	20.24	5.69	26.25	11.70	62.15
		256QAM	Full	0	20.16	5.57	26.17	11.58	62.15
40M	LCH	QPSK	Full	0	20.33	4.71	26.34	10.72	62.15
		16QAM	Full	0	20.21	4.53	26.22	10.54	62.15
		64QAM	Full	0	20.29	4.55	26.30	10.56	62.15
		256QAM	Full	0	20.17	4.55	26.18	10.56	62.15
	MCH	QPSK	Full	0	20.46	4.68	26.47	10.69	62.15
		16QAM	Full	0	20.17	4.56	26.18	10.57	62.15
		64QAM	Full	0	20.27	4.67	26.28	10.68	62.15
		256QAM	Full	0	20.03	4.53	26.04	10.54	62.15
	HCH	QPSK	Full	0	20.35	4.80	26.36	10.81	62.15
		16QAM	Full	0	20.12	4.65	26.13	10.66	62.15
		64QAM	Full	0	20.13	4.57	26.14	10.58	62.15
		256QAM	Full	0	20.07	4.54	26.08	10.55	62.15



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2 Carriers _ SCS 30KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10M	LCH	QPSK	Full	0	20.44	7.52	26.45	13.53	62.15
		16QAM	Full	0	20.37	7.47	26.38	13.48	62.15
		64QAM	Full	0	20.21	7.35	26.22	13.36	62.15
		256QAM	Full	0	20.28	7.38	26.29	13.39	62.15
	MCH	QPSK	Full	0	20.44	7.55	26.45	13.56	62.15
		16QAM	Full	0	20.23	7.52	26.24	13.53	62.15
		64QAM	Full	0	20.06	7.49	26.07	13.50	62.15
		256QAM	Full	0	20.16	7.42	26.17	13.43	62.15
	HCH	QPSK	Full	0	20.44	7.61	26.45	13.62	62.15
		16QAM	Full	0	20.30	7.54	26.31	13.55	62.15
		64QAM	Full	0	20.12	7.55	26.13	13.56	62.15
		256QAM	Full	0	20.23	7.46	26.24	13.47	62.15
20+20M	LCH	QPSK	Full	0	20.41	4.72	26.42	10.73	62.15
		16QAM	Full	0	20.27	4.63	26.28	10.64	62.15
		64QAM	Full	0	20.25	4.55	26.26	10.56	62.15
		256QAM	Full	0	20.30	4.64	26.31	10.65	62.15
	MCH	QPSK	Full	0	20.38	4.83	26.39	10.84	62.15
		16QAM	Full	0	20.31	4.61	26.32	10.62	62.15
		64QAM	Full	0	20.25	4.52	26.26	10.53	62.15
		256QAM	Full	0	20.18	4.49	26.19	10.50	62.15
	HCH	QPSK	Full	0	20.34	4.78	26.35	10.79	62.15
		16QAM	Full	0	20.17	4.60	26.18	10.61	62.15
		64QAM	Full	0	20.29	4.66	26.30	10.67	62.15
		256QAM	Full	0	20.15	4.50	26.16	10.51	62.15



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3 Carriers _ SCS 30KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10+10M	LCH	QPSK	Full	0	20.33	5.81	26.34	11.82	62.15
		16QAM	Full	0	20.29	5.56	26.30	11.57	62.15
		64QAM	Full	0	20.28	5.69	26.29	11.70	62.15
		256QAM	Full	0	20.04	5.60	26.05	11.61	62.15
	MCH	QPSK	Full	0	20.36	5.75	26.37	11.76	62.15
		16QAM	Full	0	20.34	5.62	26.35	11.63	62.15
		64QAM	Full	0	20.22	5.67	26.23	11.68	62.15
		256QAM	Full	0	20.11	5.61	26.12	11.62	62.15
	HCH	QPSK	Full	0	20.32	5.74	26.33	11.75	62.15
		16QAM	Full	0	20.15	5.54	26.16	11.55	62.15
		64QAM	Full	0	20.07	5.64	26.08	11.65	62.15
		256QAM	Full	0	20.14	5.56	26.15	11.57	62.15
4 Carriers _ SCS 30KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10+10+10M	LCH	QPSK	Full	0	20.37	4.71	26.38	10.72	62.15
		16QAM	Full	0	20.15	4.58	26.16	10.59	62.15
		64QAM	Full	0	20.14	4.54	26.15	10.55	62.15
		256QAM	Full	0	20.11	4.49	26.12	10.50	62.15
	MCH	QPSK	Full	0	20.33	4.68	26.34	10.69	62.15
		16QAM	Full	0	20.23	4.59	26.24	10.60	62.15
		64QAM	Full	0	20.09	4.62	26.10	10.63	62.15
		256QAM	Full	0	20.11	4.57	26.12	10.58	62.15
	HCH	QPSK	Full	0	20.39	4.82	26.40	10.83	62.15
		16QAM	Full	0	20.25	4.65	26.26	10.66	62.15
		64QAM	Full	0	20.20	4.62	26.21	10.63	62.15
		256QAM	Full	0	20.23	4.50	26.24	10.51	62.15



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5 Carriers _ SCS 30KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10+10+10+10M	LCH	QPSK	Full	0	20.47	3.39	26.48	9.40	62.15
		16QAM	Full	0	20.37	3.35	26.38	9.36	62.15
		64QAM	Full	0	20.40	3.33	26.41	9.34	62.15
		256QAM	Full	0	20.24	3.34	26.25	9.35	62.15
	MCH	QPSK	Full	0	20.39	3.38	26.40	9.39	62.15
		16QAM	Full	0	20.32	3.36	26.33	9.37	62.15
		64QAM	Full	0	20.29	3.35	26.30	9.36	62.15
		256QAM	Full	0	20.28	3.37	26.29	9.38	62.15
	HCH	QPSK	Full	0	20.47	3.36	26.48	9.37	62.15
		16QAM	Full	0	20.31	3.37	26.32	9.38	62.15
		64QAM	Full	0	20.25	3.34	26.26	9.35	62.15
		256QAM	Full	0	20.06	3.33	26.07	9.34	62.15
6 Carriers _ SCS 30KHz									
BW Arrange	Frequency	Modulation	RB Allocation		SISO Port 1 Conducted Power		2*2 MIMO EIRP		E.I.R.P Limit (dBm/MHz)
			Size	Off set	Total Power (dBm)	Channel Power (dBm/MHz)	Total Power (dBm)	Channel Power (dBm/MHz)	
10+10+10+10+10+10M	LCH	QPSK	Full	0	20.40	2.81	26.41	8.82	62.15
		16QAM	Full	0	20.36	2.70	26.37	8.71	62.15
		64QAM	Full	0	20.31	2.62	26.32	8.63	62.15
		256QAM	Full	0	20.31	2.59	26.32	8.60	62.15
	MCH	QPSK	Full	0	20.28	2.77	26.29	8.78	62.15
		16QAM	Full	0	20.16	2.69	26.17	8.70	62.15
		64QAM	Full	0	20.23	2.70	26.24	8.71	62.15
		256QAM	Full	0	20.24	2.60	26.25	8.61	62.15
	HCH	QPSK	Full	0	20.37	2.78	26.38	8.79	62.15
		16QAM	Full	0	20.29	2.71	26.30	8.72	62.15
		64QAM	Full	0	20.25	2.58	26.26	8.59	62.15
		256QAM	Full	0	20.06	2.67	26.07	8.68	62.15



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1 Carriers _ SCS 30KHz							
BW Arrange+A2:E76	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10M	LCH	QPSK	Full	0	29.31	19.79	62.15
		16QAM	Full	0	29.24	19.52	62.15
		64QAM	Full	0	29.10	19.43	62.15
		256QAM	Full	0	29.19	19.42	62.15
	MCH	QPSK	Full	0	29.47	19.84	62.15
		16QAM	Full	0	29.35	19.65	62.15
		64QAM	Full	0	29.43	19.48	62.15
		256QAM	Full	0	29.02	19.40	62.15
	HCH	QPSK	Full	0	29.36	19.72	62.15
		16QAM	Full	0	29.21	19.56	62.15
		64QAM	Full	0	29.12	19.49	62.15
		256QAM	Full	0	29.10	19.58	62.15
15M	LCH	QPSK	Full	0	29.45	17.68	62.15
		16QAM	Full	0	29.23	17.61	62.15
		64QAM	Full	0	29.25	17.54	62.15
		256QAM	Full	0	29.34	17.45	62.15
	MCH	QPSK	Full	0	29.49	17.84	62.15
		16QAM	Full	0	29.13	17.77	62.15
		64QAM	Full	0	29.36	17.60	62.15
		256QAM	Full	0	29.18	17.55	62.15
	HCH	QPSK	Full	0	29.41	17.78	62.15
		16QAM	Full	0	29.38	17.76	62.15
		64QAM	Full	0	29.27	17.43	62.15
		256QAM	Full	0	29.25	17.68	62.15
20M	LCH	QPSK	Full	0	29.46	16.87	62.15
		16QAM	Full	0	29.28	16.58	62.15
		64QAM	Full	0	29.32	16.51	62.15
		256QAM	Full	0	29.26	16.39	62.15
	MCH	QPSK	Full	0	29.34	16.81	62.15
		16QAM	Full	0	29.33	16.69	62.15
		64QAM	Full	0	29.18	16.59	62.15
		256QAM	Full	0	29.21	16.65	62.15
	HCH	QPSK	Full	0	29.39	16.74	62.15



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25M	LCH	16QAM	Full	0	29.30	16.61	62.15
		64QAM	Full	0	29.13	16.71	62.15
		256QAM	Full	0	29.09	16.60	62.15
		QPSK	Full	0	29.41	15.64	62.15
	MCH	16QAM	Full	0	29.23	15.52	62.15
		64QAM	Full	0	29.09	15.62	62.15
		256QAM	Full	0	29.03	15.58	62.15
		QPSK	Full	0	29.48	15.87	62.15
	HCH	16QAM	Full	0	29.37	15.74	62.15
		64QAM	Full	0	29.24	15.63	62.15
		256QAM	Full	0	29.33	15.60	62.15
		QPSK	Full	0	29.39	15.73	62.15
30M	LCH	16QAM	Full	0	29.22	15.70	62.15
		64QAM	Full	0	29.23	15.69	62.15
		256QAM	Full	0	29.02	15.61	62.15
		QPSK	Full	0	29.36	14.66	62.15
	MCH	16QAM	Full	0	29.34	14.61	62.15
		64QAM	Full	0	29.10	14.56	62.15
		256QAM	Full	0	29.25	14.55	62.15
		QPSK	Full	0	29.40	14.66	62.15
	HCH	16QAM	Full	0	29.21	14.56	62.15
		64QAM	Full	0	29.41	14.55	62.15
		256QAM	Full	0	29.17	14.67	62.15
		QPSK	Full	0	29.31	14.72	62.15
40M	LCH	16QAM	Full	0	29.20	14.62	62.15
		64QAM	Full	0	29.26	14.71	62.15
		256QAM	Full	0	29.18	14.59	62.15
		QPSK	Full	0	29.35	13.73	62.15
	MCH	16QAM	Full	0	29.23	13.55	62.15
		64QAM	Full	0	29.31	13.57	62.15
		256QAM	Full	0	29.19	13.57	62.15
		QPSK	Full	0	29.48	13.70	62.15
	HCH	16QAM	Full	0	29.19	13.58	62.15
		64QAM	Full	0	29.29	13.69	62.15
		256QAM	Full	0	29.05	13.55	62.15
		QPSK	Full	0	29.37	13.82	62.15



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2 Carriers _ SCS 30KHz

BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10+10M	LCH	QPSK	Full	0	29.46	16.54	62.15
		16QAM	Full	0	29.39	16.49	62.15
		64QAM	Full	0	29.23	16.37	62.15
		256QAM	Full	0	29.30	16.40	62.15
	MCH	QPSK	Full	0	29.46	16.57	62.15
		16QAM	Full	0	29.25	16.54	62.15
		64QAM	Full	0	29.08	16.51	62.15
		256QAM	Full	0	29.18	16.44	62.15
	HCH	QPSK	Full	0	29.46	16.63	62.15
		16QAM	Full	0	29.32	16.56	62.15
		64QAM	Full	0	29.14	16.57	62.15
		256QAM	Full	0	29.25	16.48	62.15
20+20M	LCH	QPSK	Full	0	29.43	13.74	62.15
		16QAM	Full	0	29.29	13.65	62.15
		64QAM	Full	0	29.27	13.57	62.15
		256QAM	Full	0	29.32	13.66	62.15
	MCH	QPSK	Full	0	29.40	13.85	62.15
		16QAM	Full	0	29.33	13.63	62.15
		64QAM	Full	0	29.27	13.54	62.15
		256QAM	Full	0	29.20	13.51	62.15
	HCH	QPSK	Full	0	29.36	13.80	62.15
		16QAM	Full	0	29.19	13.62	62.15
		64QAM	Full	0	29.31	13.68	62.15
		256QAM	Full	0	29.17	13.52	62.15



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3 Carriers _ SCS 30KHz							
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10+10+10M	LCH	QPSK	Full	0	29.35	14.83	62.15
		16QAM	Full	0	29.31	14.58	62.15
		64QAM	Full	0	29.30	14.71	62.15
		256QAM	Full	0	29.06	14.62	62.15
	MCH	QPSK	Full	0	29.38	14.77	62.15
		16QAM	Full	0	29.36	14.64	62.15
		64QAM	Full	0	29.24	14.69	62.15
		256QAM	Full	0	29.13	14.63	62.15
	HCH	QPSK	Full	0	29.34	14.76	62.15
		16QAM	Full	0	29.17	14.56	62.15
		64QAM	Full	0	29.09	14.66	62.15
		256QAM	Full	0	29.16	14.58	62.15
4 Carriers _ SCS 30KHz							
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10+10+10+10M	LCH	QPSK	Full	0	29.39	13.73	62.15
		16QAM	Full	0	29.17	13.60	62.15
		64QAM	Full	0	29.16	13.56	62.15
		256QAM	Full	0	29.13	13.51	62.15
	MCH	QPSK	Full	0	29.35	13.70	62.15
		16QAM	Full	0	29.25	13.61	62.15
		64QAM	Full	0	29.11	13.64	62.15
		256QAM	Full	0	29.13	13.59	62.15
	HCH	QPSK	Full	0	29.41	13.84	62.15
		16QAM	Full	0	29.27	13.67	62.15
		64QAM	Full	0	29.22	13.64	62.15
		256QAM	Full	0	29.25	13.52	62.15



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5 Carriers _ SCS 30KHz							
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10+10+10+10+10M	LCH	QPSK	Full	0	29.49	12.41	62.15
		16QAM	Full	0	29.39	12.37	62.15
		64QAM	Full	0	29.42	12.35	62.15
		256QAM	Full	0	29.26	12.36	62.15
	MCH	QPSK	Full	0	29.41	12.40	62.15
		16QAM	Full	0	29.34	12.38	62.15
		64QAM	Full	0	29.31	12.37	62.15
		256QAM	Full	0	29.30	12.39	62.15
	HCH	QPSK	Full	0	29.49	12.38	62.15
		16QAM	Full	0	29.33	12.39	62.15
		64QAM	Full	0	29.27	12.36	62.15
		256QAM	Full	0	29.08	12.35	62.15
6 Carriers _ SCS 30KHz							
BW Arrange	Frequency	Modulation	RB Allocation		4*4 MIMO EIRP (dBm)	4*4 MIMO EIRP (dBm/MHz)	E.I.R.P Limit (dBm/MHz)
			Size	Off set			
10+10+10+10+10+10M	LCH	QPSK	Full	0	29.42	11.83	62.15
		16QAM	Full	0	29.38	11.72	62.15
		64QAM	Full	0	29.33	11.64	62.15
		256QAM	Full	0	29.33	11.61	62.15
	MCH	QPSK	Full	0	29.30	11.79	62.15
		16QAM	Full	0	29.18	11.71	62.15
		64QAM	Full	0	29.25	11.72	62.15
		256QAM	Full	0	29.26	11.62	62.15
	HCH	QPSK	Full	0	29.39	11.80	62.15
		16QAM	Full	0	29.31	11.73	62.15
		64QAM	Full	0	29.27	11.60	62.15
		256QAM	Full	0	29.08	11.69	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 ant 1 port.
- 2.This EUT supports 2*2 and 4*MIMO, 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: §24.232(d)
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: ≤13dB

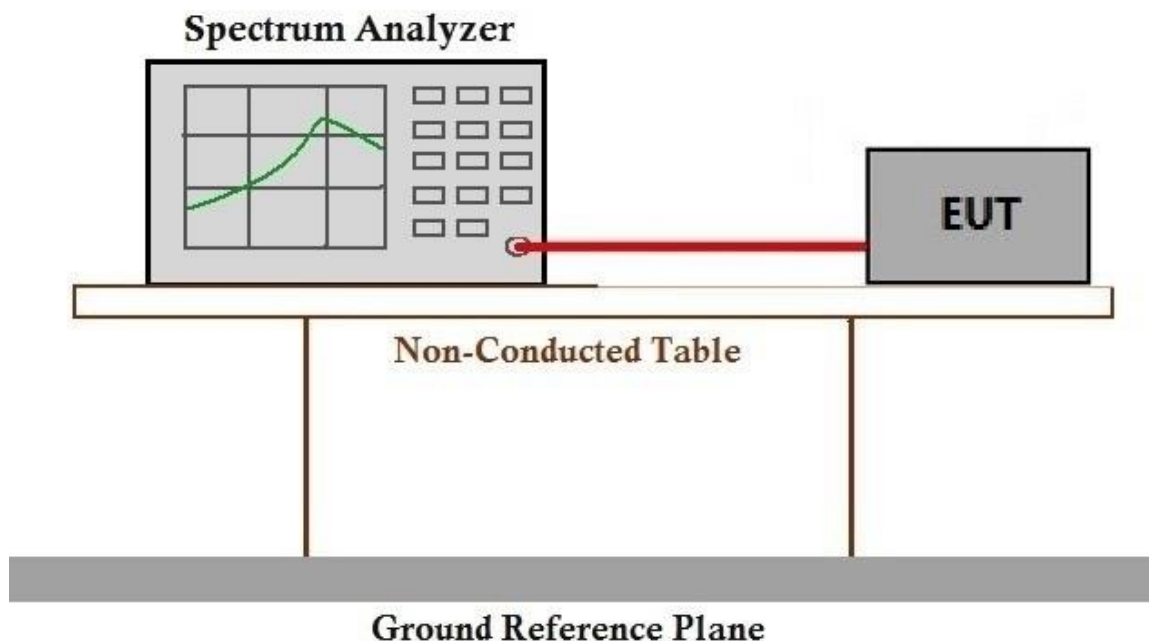
6.2.1 E.U.T. Operation

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

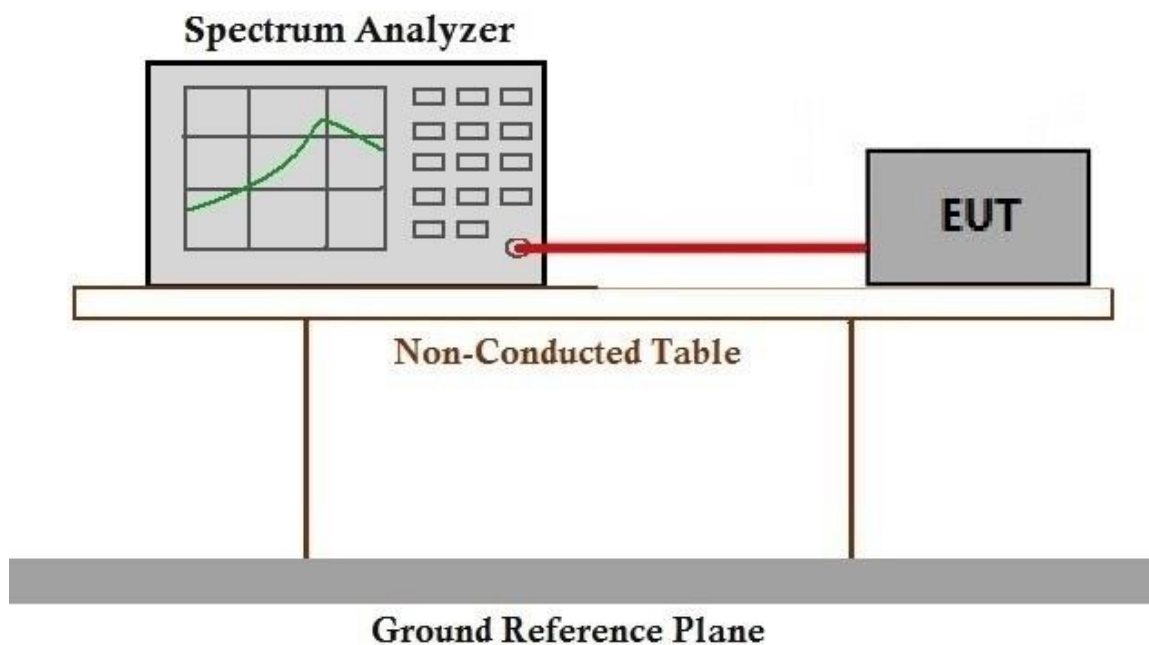
6.3.1 E.U.T. Operation

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, §24.238
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq -13\text{dBm/MHz}$

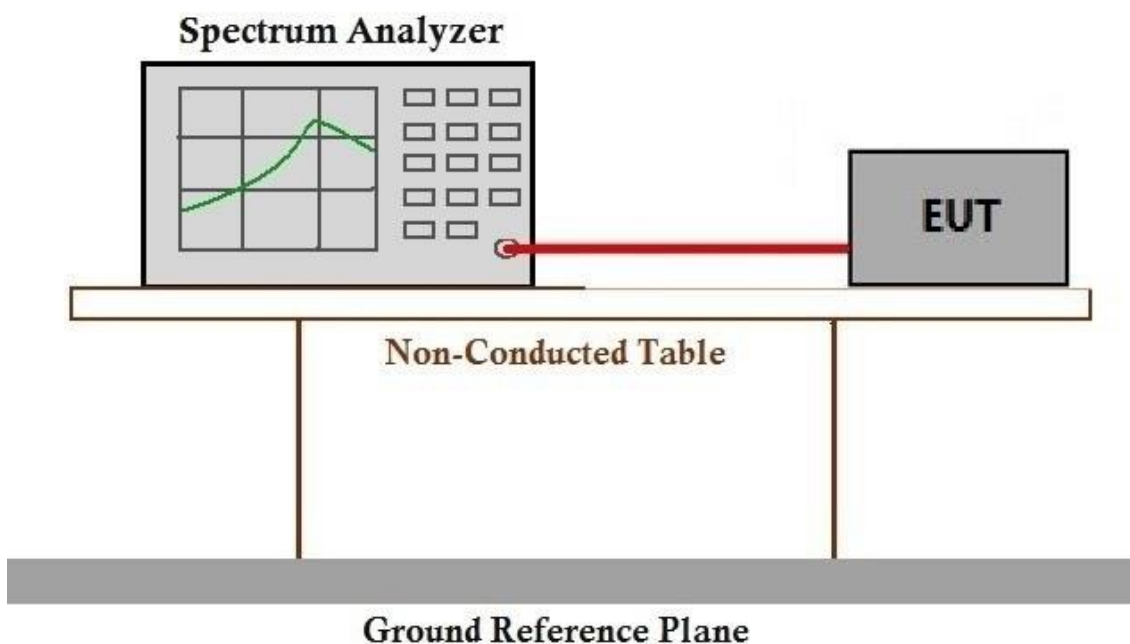
6.4.1 E.U.T. Operation

Operating Environment:

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

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

6.4.2 Test Setup Diagram



6.4.3 Measurement Data

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



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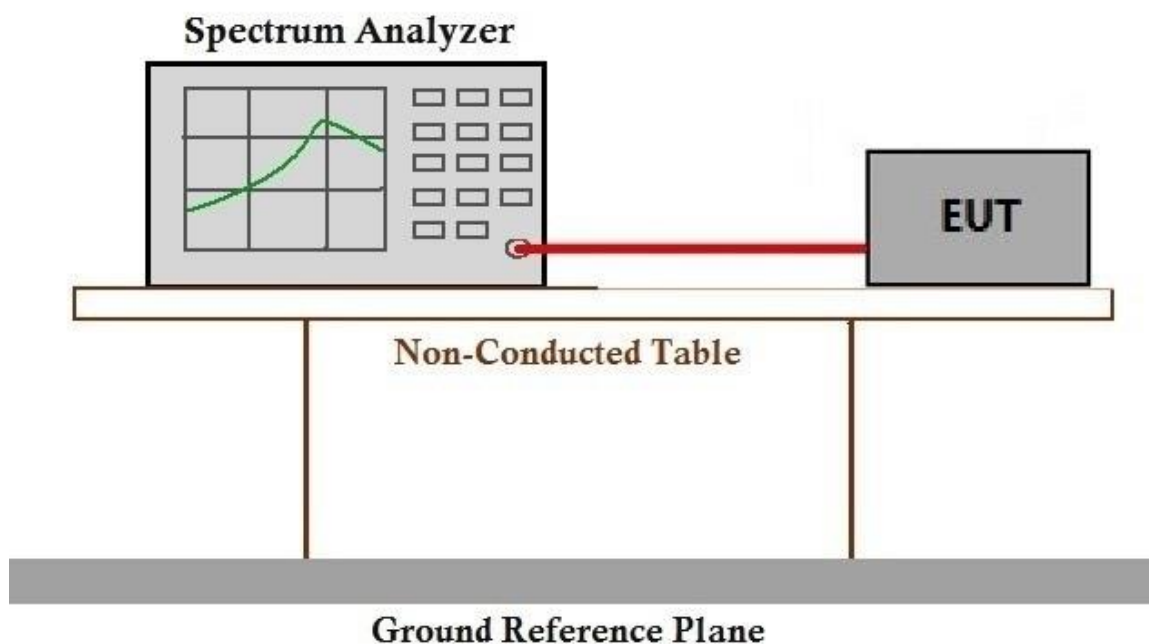
6.5 Spurious emissions at antenna terminals

Test Requirement: §2.1051, §24.238
 Test Method: ANSI C63.26, KDB 971168 D01 v03
 Limit: $\leq -13\text{dBm/MHz}$

6.5.1 E.U.T. Operation

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

6.5.2 Test Setup Diagram



6.5.3 Measurement Data

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



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6.6 Radiated spurious radiation

Test Requirement: §2.1051, §24.238

Test Method: ANSI C63.26, KDB 971168 D01 v03

Limit: $\leq -13\text{dBm/MHz}$

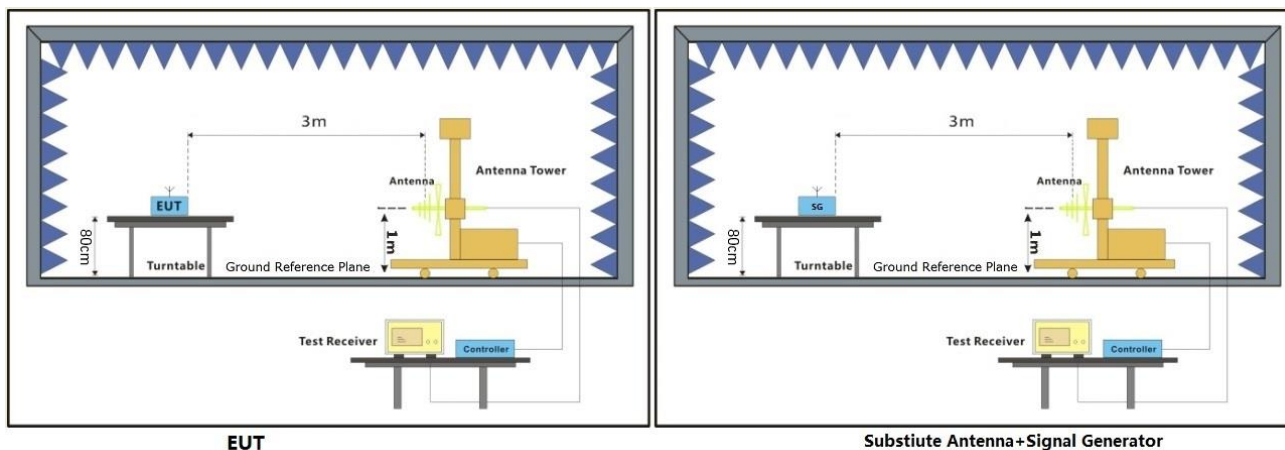
6.6.1 E.U.T. Operation

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 SCS 15KHz, Continuous CA, Nominal Bandwidth: 10M _ Low channel						
Frequency (MHz)	Spurious Emission Level			Limit	Over limit	Result
	(Deg)	Polaxis	(dBm)	dBm	dB	
290.8	227	Horizontal	-70.3	-13.0	-57.3	Pass
565.6	349	Horizontal	-70.7	-13.0	-57.7	Pass
839.4	200	Horizontal	-71.0	-13.0	-58.0	Pass
7214.5	85	Horizontal	-51.0	-13.0	-38.0	Pass
10846.0	77	Horizontal	-57.9	-13.0	-44.9	Pass
14323.1	258	Horizontal	-52.8	-13.0	-39.8	Pass
170.4	309	Vertical	-71.0	-13.0	-58.0	Pass
685.8	124	Vertical	-74.6	-13.0	-61.6	Pass
974.5	287	Vertical	-69.1	-13.0	-56.1	Pass
7266.9	165	Vertical	-53.3	-13.0	-40.3	Pass
10709.3	4	Vertical	-55.0	-13.0	-42.0	Pass
14305.0	282	Vertical	-54.7	-13.0	-41.7	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10M _ Middle channel						
Frequency (MHz)	Spurious Emission Level			Limit	Over limit	Result
	(Deg)	Polaxis	(dBm)	dBm	dB	
293.1	280	Horizontal	-73.6	-13.0	-60.6	Pass
571.0	27	Horizontal	-71.4	-13.0	-58.4	Pass
917.2	30	Horizontal	-69.4	-13.0	-56.4	Pass
7369.8	83	Horizontal	-53.9	-13.0	-40.9	Pass
11016.0	195	Horizontal	-57.0	-13.0	-44.0	Pass
14651.7	216	Horizontal	-54.5	-13.0	-41.5	Pass
206.9	43	Vertical	-70.9	-13.0	-57.9	Pass
635.9	349	Vertical	-72.9	-13.0	-59.9	Pass
878.3	266	Vertical	-69.9	-13.0	-56.9	Pass
7373.3	175	Vertical	-54.2	-13.0	-41.2	Pass
11028.5	53	Vertical	-56.3	-13.0	-43.3	Pass
14609.2	101	Vertical	-57.7	-13.0	-44.7	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
245.6	203	Horizontal	-70.0	-13.0	-57.0	Pass
553.2	123	Horizontal	-75.2	-13.0	-62.2	Pass
845.7	125	Horizontal	-68.4	-13.0	-55.4	Pass
7547.0	54	Horizontal	-60.8	-13.0	-47.8	Pass
11158.9	133	Horizontal	-58.3	-13.0	-45.3	Pass
14892.4	298	Horizontal	-52.5	-13.0	-39.5	Pass
259.5	30	Vertical	-73.2	-13.0	-60.2	Pass
631.9	121	Vertical	-73.8	-13.0	-60.8	Pass
959.9	218	Vertical	-69.3	-13.0	-56.3	Pass
7550.4	78	Vertical	-50.5	-13.0	-37.5	Pass
11194.2	271	Vertical	-61.3	-13.0	-48.3	Pass
14926.8	155	Vertical	-50.0	-13.0	-37.0	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 15M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
213.7	324	Horizontal	-70.8	-13.0	-57.8	Pass
555.3	313	Horizontal	-71.5	-13.0	-58.5	Pass
846.1	73	Horizontal	-69.6	-13.0	-56.6	Pass
7292.5	358	Horizontal	-52.9	-13.0	-39.9	Pass
10780.3	33	Horizontal	-58.5	-13.0	-45.5	Pass
14347.5	12	Horizontal	-54.0	-13.0	-41.0	Pass
304.6	342	Vertical	-72.0	-13.0	-59.0	Pass
636.8	71	Vertical	-74.8	-13.0	-61.8	Pass
926.2	291	Vertical	-70.9	-13.0	-57.9	Pass
7219.2	318	Vertical	-54.1	-13.0	-41.1	Pass
10795.1	200	Vertical	-55.6	-13.0	-42.6	Pass
14328.9	99	Vertical	-56.9	-13.0	-43.9	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 15M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
323.4	64	Horizontal	-72.6	-13.0	-59.6	Pass
592.0	79	Horizontal	-71.1	-13.0	-58.1	Pass
895.6	106	Horizontal	-70.0	-13.0	-57.0	Pass
7349.8	233	Horizontal	-54.9	-13.0	-41.9	Pass
11001.5	149	Horizontal	-56.5	-13.0	-43.5	Pass
14627.1	332	Horizontal	-56.2	-13.0	-43.2	Pass
254.5	346	Vertical	-70.8	-13.0	-57.8	Pass
653.0	179	Vertical	-70.6	-13.0	-57.6	Pass
905.1	43	Vertical	-70.4	-13.0	-57.4	Pass
7285.1	65	Vertical	-53.8	-13.0	-40.8	Pass
11049.3	213	Vertical	-57.9	-13.0	-44.9	Pass
14634.0	234	Vertical	-58.1	-13.0	-45.1	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 15M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
314.1	256	Horizontal	-69.7	-13.0	-56.7	Pass
599.8	276	Horizontal	-72.8	-13.0	-59.8	Pass
903.3	122	Horizontal	-69.0	-13.0	-56.0	Pass
7529.4	206	Horizontal	-59.7	-13.0	-46.7	Pass
11198.0	28	Horizontal	-59.1	-13.0	-46.1	Pass
14916.8	344	Horizontal	-52.4	-13.0	-39.4	Pass
249.8	160	Vertical	-72.5	-13.0	-59.5	Pass
628.9	220	Vertical	-75.0	-13.0	-62.0	Pass
852.0	221	Vertical	-69.1	-13.0	-56.1	Pass
7459.2	256	Vertical	-49.2	-13.0	-36.2	Pass
11227.4	11	Vertical	-60.3	-13.0	-47.3	Pass
14831.1	165	Vertical	-52.7	-13.0	-39.7	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
256.2	85	Horizontal	-70.3	-13.0	-57.3	Pass
689.2	208	Horizontal	-72.0	-13.0	-59.0	Pass
928.4	278	Horizontal	-69.1	-13.0	-56.1	Pass
7221.0	289	Horizontal	-50.1	-13.0	-37.1	Pass
10744.8	155	Horizontal	-57.3	-13.0	-44.3	Pass
14356.3	175	Horizontal	-53.8	-13.0	-40.8	Pass
264.9	294	Vertical	-73.0	-13.0	-60.0	Pass
586.7	349	Vertical	-72.9	-13.0	-59.9	Pass
931.0	172	Vertical	-69.8	-13.0	-56.8	Pass
7274.6	196	Vertical	-53.3	-13.0	-40.3	Pass
10774.7	81	Vertical	-55.1	-13.0	-42.1	Pass
14414.5	304	Vertical	-54.9	-13.0	-41.9	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 20M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
179.9	247	Horizontal	-72.5	-13.0	-59.5	Pass
603.6	189	Horizontal	-72.0	-13.0	-59.0	Pass
935.2	247	Horizontal	-69.5	-13.0	-56.5	Pass
7367.1	21	Horizontal	-54.3	-13.0	-41.3	Pass
11017.4	130	Horizontal	-56.3	-13.0	-43.3	Pass
14700.5	185	Horizontal	-55.5	-13.0	-42.5	Pass
292.8	139	Vertical	-70.7	-13.0	-57.7	Pass
619.2	3	Vertical	-73.8	-13.0	-60.8	Pass
934.6	343	Vertical	-70.0	-13.0	-57.0	Pass
7352.4	74	Vertical	-54.9	-13.0	-41.9	Pass
11023.5	248	Vertical	-58.2	-13.0	-45.2	Pass
14635.1	59	Vertical	-57.8	-13.0	-44.8	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
191.7	301	Horizontal	-68.6	-13.0	-55.6	Pass
584.2	207	Horizontal	-75.3	-13.0	-62.3	Pass
841.0	238	Horizontal	-67.8	-13.0	-54.8	Pass
7414.9	46	Horizontal	-60.6	-13.0	-47.6	Pass
11150.6	353	Horizontal	-58.3	-13.0	-45.3	Pass
14881.3	186	Horizontal	-52.1	-13.0	-39.1	Pass
217.6	185	Vertical	-73.1	-13.0	-60.1	Pass
612.8	226	Vertical	-74.7	-13.0	-61.7	Pass
868.7	72	Vertical	-67.4	-13.0	-54.4	Pass
7480.4	104	Vertical	-52.1	-13.0	-39.1	Pass
11250.0	156	Vertical	-61.7	-13.0	-48.7	Pass
14865.4	348	Vertical	-51.7	-13.0	-38.7	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 25M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
217.5	163	Horizontal	-70.5	-13.0	-57.5	Pass
576.4	131	Horizontal	-70.7	-13.0	-57.7	Pass
873.0	153	Horizontal	-70.0	-13.0	-57.0	Pass
7190.7	35	Horizontal	-52.3	-13.0	-39.3	Pass
10733.2	173	Horizontal	-57.1	-13.0	-44.1	Pass
14318.9	130	Horizontal	-50.8	-13.0	-37.8	Pass
188.4	58	Vertical	-71.4	-13.0	-58.4	Pass
676.6	145	Vertical	-74.0	-13.0	-61.0	Pass
888.8	94	Vertical	-70.0	-13.0	-57.0	Pass
7146.8	79	Vertical	-53.6	-13.0	-40.6	Pass
10814.1	20	Vertical	-54.1	-13.0	-41.1	Pass
14296.1	256	Vertical	-55.5	-13.0	-42.5	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 25M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
268.2	357	Horizontal	-71.1	-13.0	-58.1	Pass
651.5	157	Horizontal	-69.4	-13.0	-56.4	Pass
811.2	214	Horizontal	-54.6	-13.0	-41.6	Pass
6054.2	51	Horizontal	-57.5	-13.0	-44.5	Pass
12232.2	272	Horizontal	-55.5	-13.0	-42.5	Pass
13366.1	163	Vertical	-69.4	-13.0	-56.4	Pass
255.6	126	Vertical	-72.6	-13.0	-59.6	Pass
582.3	171	Vertical	-69.7	-13.0	-56.7	Pass
886.1	230	Vertical	-53.6	-13.0	-40.6	Pass
7115.4	24	Vertical	-57.8	-13.0	-44.8	Pass
12052.6	230	Vertical	-56.8	-13.0	-43.8	Pass
15012.2	357	Horizontal	-51.8	-13.0	-38.8	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 25M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
253.1	186	Horizontal	-70.7	-13.0	-57.7	Pass
545.5	278	Horizontal	-72.3	-13.0	-59.3	Pass
893.2	249	Horizontal	-69.5	-13.0	-56.5	Pass
7484.2	291	Horizontal	-60.5	-13.0	-47.5	Pass
11192.6	104	Horizontal	-57.6	-13.0	-44.6	Pass
14916.8	347	Horizontal	-54.7	-13.0	-41.7	Pass
232.4	336	Vertical	-73.0	-13.0	-60.0	Pass
616.4	151	Vertical	-74.7	-13.0	-61.7	Pass
925.7	171	Vertical	-68.9	-13.0	-55.9	Pass
7524.4	300	Vertical	-51.9	-13.0	-38.9	Pass
11130.5	83	Vertical	-60.6	-13.0	-47.6	Pass
14859.2	34	Vertical	-51.6	-13.0	-38.6	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 30M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
276.2	161	Horizontal	-71.1	-13.0	-58.1	Pass
585.6	136	Horizontal	-70.8	-13.0	-57.8	Pass
972.1	156	Horizontal	-68.9	-13.0	-55.9	Pass
7168.9	33	Horizontal	-52.0	-13.0	-39.0	Pass
10768.3	181	Horizontal	-57.7	-13.0	-44.7	Pass
14386.7	121	Horizontal	-51.5	-13.0	-38.5	Pass
339.1	57	Vertical	-71.5	-13.0	-58.5	Pass
659.9	156	Vertical	-74.0	-13.0	-61.0	Pass
951.3	94	Vertical	-70.5	-13.0	-57.5	Pass
7275.1	81	Vertical	-54.0	-13.0	-41.0	Pass
10693.9	21	Vertical	-55.0	-13.0	-42.0	Pass
14309.1	264	Vertical	-56.1	-13.0	-43.1	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 30M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
219.4	123	Horizontal	-73.4	-13.0	-60.4	Pass
589.8	355	Horizontal	-71.4	-13.0	-58.4	Pass
901.2	156	Horizontal	-70.3	-13.0	-57.3	Pass
7299.5	223	Horizontal	-54.9	-13.0	-41.9	Pass
10957.0	60	Horizontal	-57.3	-13.0	-44.3	Pass
14595.8	284	Horizontal	-54.5	-13.0	-41.5	Pass
270.5	162	Vertical	-68.2	-13.0	-55.2	Pass
574.2	122	Vertical	-72.0	-13.0	-59.0	Pass
884.7	171	Vertical	-70.6	-13.0	-57.6	Pass
7293.9	229	Vertical	-53.7	-13.0	-40.7	Pass
10973.5	26	Vertical	-57.1	-13.0	-44.1	Pass
14650.7	233	Vertical	-56.8	-13.0	-43.8	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 30M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
241.1	185	Horizontal	-70.8	-13.0	-57.8	Pass
620.1	273	Horizontal	-73.4	-13.0	-60.4	Pass
886.3	250	Horizontal	-70.0	-13.0	-57.0	Pass
7480.8	292	Horizontal	-59.8	-13.0	-46.8	Pass
11172.1	97	Horizontal	-57.2	-13.0	-44.2	Pass
14825.7	108	Horizontal	-53.2	-13.0	-40.2	Pass
210.0	159	Vertical	-71.6	-13.0	-58.6	Pass
653.2	149	Vertical	-73.6	-13.0	-60.6	Pass
862.3	168	Vertical	-69.4	-13.0	-56.4	Pass
7527.6	300	Vertical	-51.1	-13.0	-38.1	Pass
11170.1	78	Vertical	-59.8	-13.0	-46.8	Pass
14910.7	35	Vertical	-51.1	-13.0	-38.1	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 40M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
238.3	159	Horizontal	-70.8	-13.0	-57.8	Pass
585.5	138	Horizontal	-70.5	-13.0	-57.5	Pass
910.9	148	Horizontal	-69.5	-13.0	-56.5	Pass
7283.0	34	Horizontal	-51.8	-13.0	-38.8	Pass
10733.0	170	Horizontal	-57.0	-13.0	-44.0	Pass
14290.3	133	Horizontal	-51.4	-13.0	-38.4	Pass
254.1	50	Vertical	-71.2	-13.0	-58.2	Pass
690.7	153	Vertical	-74.8	-13.0	-61.8	Pass
900.5	97	Vertical	-70.1	-13.0	-57.1	Pass
7215.0	72	Vertical	-53.5	-13.0	-40.5	Pass
10853.8	13	Vertical	-55.4	-13.0	-42.4	Pass
14361.6	269	Vertical	-55.8	-13.0	-42.8	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 40M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
185.7	134	Horizontal	-73.5	-13.0	-60.5	Pass
623.3	345	Horizontal	-71.1	-13.0	-58.1	Pass
851.4	154	Horizontal	-68.7	-13.0	-55.7	Pass
7300.5	218	Horizontal	-53.8	-13.0	-40.8	Pass
10909.5	59	Horizontal	-57.1	-13.0	-44.1	Pass
14675.7	277	Horizontal	-55.2	-13.0	-42.2	Pass
275.1	161	Vertical	-69.0	-13.0	-56.0	Pass
659.4	118	Vertical	-73.0	-13.0	-60.0	Pass
873.1	169	Vertical	-70.7	-13.0	-57.7	Pass
7354.2	228	Vertical	-54.3	-13.0	-41.3	Pass
11025.8	30	Vertical	-57.2	-13.0	-44.2	Pass
14592.5	228	Vertical	-57.3	-13.0	-44.3	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 40M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
288.4	185	Horizontal	-70.8	-13.0	-57.8	Pass
643.3	274	Horizontal	-73.0	-13.0	-60.0	Pass
899.7	249	Horizontal	-70.0	-13.0	-57.0	Pass
7554.2	287	Horizontal	-60.2	-13.0	-47.2	Pass
11205.4	98	Horizontal	-57.9	-13.0	-44.9	Pass
14949.5	120	Horizontal	-54.1	-13.0	-41.1	Pass
222.2	258	Vertical	-73.0	-13.0	-60.0	Pass
684.0	144	Vertical	-73.4	-13.0	-60.4	Pass
908.4	170	Vertical	-69.5	-13.0	-56.5	Pass
7578.8	303	Vertical	-51.1	-13.0	-38.1	Pass
11200.9	76	Vertical	-59.9	-13.0	-46.9	Pass
14893.7	36	Vertical	-51.6	-13.0	-38.6	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
275.7	159	Horizontal	-71.3	-13.0	-58.3	Pass
643.7	132	Horizontal	-70.7	-13.0	-57.7	Pass
896.4	148	Horizontal	-69.5	-13.0	-56.5	Pass
7127.6	41	Horizontal	-52.4	-13.0	-39.4	Pass
10810.0	172	Horizontal	-56.6	-13.0	-43.6	Pass
14326.6	130	Horizontal	-51.2	-13.0	-38.2	Pass
221.0	49	Vertical	-70.5	-13.0	-57.5	Pass
572.7	156	Vertical	-74.6	-13.0	-61.6	Pass
989.2	105	Vertical	-70.1	-13.0	-57.1	Pass
7299.1	80	Vertical	-52.8	-13.0	-39.8	Pass
10731.7	13	Vertical	-54.4	-13.0	-41.4	Pass
14368.2	268	Vertical	-56.0	-13.0	-43.0	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
289.6	127	Horizontal	-73.2	-13.0	-60.2	Pass
627.2	346	Horizontal	-70.3	-13.0	-57.3	Pass
824.1	156	Horizontal	-69.9	-13.0	-56.9	Pass
7344.1	217	Horizontal	-54.8	-13.0	-41.8	Pass
10953.7	64	Horizontal	-58.0	-13.0	-45.0	Pass
14595.1	281	Horizontal	-55.0	-13.0	-42.0	Pass
229.0	159	Vertical	-69.8	-13.0	-56.8	Pass
616.6	130	Vertical	-72.5	-13.0	-59.5	Pass
934.8	169	Vertical	-70.5	-13.0	-57.5	Pass
7421.4	231	Vertical	-54.2	-13.0	-41.2	Pass
11020.4	27	Vertical	-57.0	-13.0	-44.0	Pass
14557.1	221	Vertical	-57.0	-13.0	-44.0	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
220.4	186	Horizontal	-71.9	-13.0	-58.9	Pass
557.4	265	Horizontal	-72.8	-13.0	-59.8	Pass
876.3	25	Horizontal	-70.3	-13.0	-57.3	Pass
7505.8	69	Horizontal	-60.5	-13.0	-47.5	Pass
11202.1	27	Horizontal	-57.9	-13.0	-44.9	Pass
14953.7	205	Horizontal	-54.6	-13.0	-41.6	Pass
259.1	118	Vertical	-71.9	-13.0	-58.9	Pass
713.0	108	Vertical	-74.5	-13.0	-61.5	Pass
942.3	257	Vertical	-68.6	-13.0	-55.6	Pass
7525.3	91	Vertical	-52.5	-13.0	-39.5	Pass
11181.1	76	Vertical	-60.6	-13.0	-47.6	Pass
14926.8	46	Vertical	-51.2	-13.0	-38.2	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 20+20M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
223.7	161	Horizontal	-70.1	-13.0	-57.1	Pass
635.1	134	Horizontal	-70.7	-13.0	-57.7	Pass
878.5	154	Horizontal	-69.8	-13.0	-56.8	Pass
7150.1	35	Horizontal	-52.1	-13.0	-39.1	Pass
10770.9	181	Horizontal	-56.7	-13.0	-43.7	Pass
14427.4	128	Horizontal	-51.3	-13.0	-38.3	Pass
191.2	53	Vertical	-71.7	-13.0	-58.7	Pass
654.7	151	Vertical	-74.4	-13.0	-61.4	Pass
909.2	102	Vertical	-69.9	-13.0	-56.9	Pass
7243.7	77	Vertical	-53.6	-13.0	-40.6	Pass
10853.4	16	Vertical	-55.4	-13.0	-42.4	Pass
14315.5	257	Vertical	-55.5	-13.0	-42.5	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 20+20M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
236.6	124	Horizontal	-73.4	-13.0	-60.4	Pass
540.4	359	Horizontal	-70.6	-13.0	-57.6	Pass
942.1	158	Horizontal	-69.7	-13.0	-56.7	Pass
7361.0	221	Horizontal	-54.4	-13.0	-41.4	Pass
10931.2	54	Horizontal	-57.6	-13.0	-44.6	Pass
14612.8	273	Horizontal	-54.6	-13.0	-41.6	Pass
291.6	161	Vertical	-68.4	-13.0	-55.4	Pass
631.4	120	Vertical	-71.6	-13.0	-58.6	Pass
928.8	173	Vertical	-70.1	-13.0	-57.1	Pass
7319.6	231	Vertical	-54.3	-13.0	-41.3	Pass
11002.3	26	Vertical	-56.9	-13.0	-43.9	Pass
14670.5	230	Vertical	-56.9	-13.0	-43.9	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 20+20M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
272.0	125	Horizontal	-73.3	-13.0	-60.3	Pass
548.7	358	Horizontal	-70.6	-13.0	-57.6	Pass
962.7	154	Horizontal	-70.0	-13.0	-57.0	Pass
7369.1	222	Horizontal	-54.6	-13.0	-41.6	Pass
10922.2	54	Horizontal	-57.7	-13.0	-44.7	Pass
14634.5	273	Horizontal	-55.0	-13.0	-42.0	Pass
292.3	164	Vertical	-68.9	-13.0	-55.9	Pass
666.5	121	Vertical	-71.6	-13.0	-58.6	Pass
876.4	169	Vertical	-69.8	-13.0	-56.8	Pass
7306.1	230	Vertical	-53.5	-13.0	-40.5	Pass
10974.0	30	Vertical	-57.1	-13.0	-44.1	Pass
14645.4	230	Vertical	-57.6	-13.0	-44.6	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
185.5	130	Horizontal	-73.0	-13.0	-60.0	Pass
573.6	356	Horizontal	-70.6	-13.0	-57.6	Pass
988.7	155	Horizontal	-69.6	-13.0	-56.6	Pass
7293.1	226	Horizontal	-54.7	-13.0	-41.7	Pass
10918.4	52	Horizontal	-58.3	-13.0	-45.3	Pass
14667.0	281	Horizontal	-54.3	-13.0	-41.3	Pass
325.4	155	Vertical	-69.3	-13.0	-56.3	Pass
648.2	119	Vertical	-72.0	-13.0	-59.0	Pass
929.5	167	Vertical	-70.2	-13.0	-57.2	Pass
7292.7	226	Vertical	-53.6	-13.0	-40.6	Pass
11058.2	23	Vertical	-57.1	-13.0	-44.1	Pass
14593.1	232	Vertical	-57.2	-13.0	-44.2	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
252.1	130	Horizontal	-73.2	-13.0	-60.2	Pass
547.9	356	Horizontal	-70.6	-13.0	-57.6	Pass
969.6	160	Horizontal	-70.1	-13.0	-57.1	Pass
7340.6	219	Horizontal	-54.6	-13.0	-41.6	Pass
10989.2	60	Horizontal	-58.0	-13.0	-45.0	Pass
14590.0	280	Horizontal	-54.4	-13.0	-41.4	Pass
251.6	158	Vertical	-69.0	-13.0	-56.0	Pass
648.7	118	Vertical	-72.2	-13.0	-59.2	Pass
870.3	166	Vertical	-69.5	-13.0	-56.5	Pass
7332.0	227	Vertical	-54.3	-13.0	-41.3	Pass
10966.1	22	Vertical	-57.1	-13.0	-44.1	Pass
14655.7	229	Vertical	-57.1	-13.0	-44.1	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
313.5	184	Horizontal	-71.1	-13.0	-58.1	Pass
522.8	271	Horizontal	-72.9	-13.0	-59.9	Pass
898.1	254	Horizontal	-70.4	-13.0	-57.4	Pass
7470.8	293	Horizontal	-59.2	-13.0	-46.2	Pass
11258.3	94	Horizontal	-58.6	-13.0	-45.6	Pass
14922.1	339	Horizontal	-54.2	-13.0	-41.2	Pass
282.0	337	Vertical	-71.7	-13.0	-58.7	Pass
707.2	147	Vertical	-74.4	-13.0	-61.4	Pass
879.7	165	Vertical	-69.3	-13.0	-56.3	Pass
7446.6	309	Vertical	-51.6	-13.0	-38.6	Pass
11256.9	77	Vertical	-60.0	-13.0	-47.0	Pass
14832.5	35	Vertical	-51.0	-13.0	-38.0	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
302.2	183	Horizontal	-70.6	-13.0	-57.6	Pass
588.7	269	Horizontal	-73.0	-13.0	-60.0	Pass
801.2	246	Horizontal	-70.0	-13.0	-57.0	Pass
7460.5	299	Horizontal	-60.0	-13.0	-47.0	Pass
11271.3	91	Horizontal	-57.8	-13.0	-44.8	Pass
14921.1	334	Horizontal	-54.6	-13.0	-41.6	Pass
196.4	332	Vertical	-72.2	-13.0	-59.2	Pass
643.3	147	Vertical	-74.4	-13.0	-61.4	Pass
931.2	168	Vertical	-69.0	-13.0	-56.0	Pass
7456.4	310	Vertical	-51.1	-13.0	-38.1	Pass
11293.4	77	Vertical	-60.0	-13.0	-47.0	Pass
14900.9	41	Vertical	-50.8	-13.0	-37.8	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
272.9	178	Horizontal	-70.5	-13.0	-57.5	Pass
518.7	275	Horizontal	-73.0	-13.0	-60.0	Pass
845.2	247	Horizontal	-70.4	-13.0	-57.4	Pass
7486.7	293	Horizontal	-59.5	-13.0	-46.5	Pass
11259.8	96	Horizontal	-58.4	-13.0	-45.4	Pass
14937.1	340	Horizontal	-54.3	-13.0	-41.3	Pass
275.6	336	Vertical	-72.6	-13.0	-59.6	Pass
664.4	145	Vertical	-74.5	-13.0	-61.5	Pass
903.1	169	Vertical	-69.2	-13.0	-56.2	Pass
7471.2	309	Vertical	-51.9	-13.0	-38.9	Pass
11222.7	80	Vertical	-59.5	-13.0	-46.5	Pass
14893.1	40	Vertical	-51.2	-13.0	-38.2	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
322.0	187	Horizontal	-70.9	-13.0	-57.9	Pass
584.9	271	Horizontal	-72.4	-13.0	-59.4	Pass
806.4	247	Horizontal	-70.1	-13.0	-57.1	Pass
7476.7	289	Horizontal	-59.7	-13.0	-46.7	Pass
11199.3	98	Horizontal	-58.4	-13.0	-45.4	Pass
14946.0	334	Horizontal	-54.4	-13.0	-41.4	Pass
190.6	341	Vertical	-72.0	-13.0	-59.0	Pass
665.4	145	Vertical	-74.5	-13.0	-61.5	Pass
915.3	171	Vertical	-69.3	-13.0	-56.3	Pass
7470.8	306	Vertical	-51.3	-13.0	-38.3	Pass
11230.9	72	Vertical	-60.3	-13.0	-47.3	Pass
14850.4	34	Vertical	-50.9	-13.0	-37.9	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
273.2	184	Horizontal	-70.7	-13.0	-57.7	Pass
534.5	75	Horizontal	-72.8	-13.0	-59.8	Pass
844.1	144	Horizontal	-70.4	-13.0	-57.4	Pass
7431.3	208	Horizontal	-59.8	-13.0	-46.8	Pass
11215.7	90	Horizontal	-58.1	-13.0	-45.1	Pass
14981.5	302	Horizontal	-54.2	-13.0	-41.2	Pass
241.9	31	Vertical	-72.6	-13.0	-59.6	Pass
685.0	150	Vertical	-74.3	-13.0	-61.3	Pass
938.2	165	Vertical	-69.2	-13.0	-56.2	Pass
7445.2	47	Vertical	-51.6	-13.0	-38.6	Pass
11251.6	82	Vertical	-60.4	-13.0	-47.4	Pass
14895.4	115	Vertical	-50.8	-13.0	-37.8	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
333.6	179	Horizontal	-71.1	-13.0	-58.1	Pass
537.1	270	Horizontal	-73.1	-13.0	-60.1	Pass
887.4	251	Horizontal	-70.0	-13.0	-57.0	Pass
7451.0	293	Horizontal	-59.7	-13.0	-46.7	Pass
11238.5	93	Horizontal	-58.2	-13.0	-45.2	Pass
14980.6	343	Horizontal	-54.3	-13.0	-41.3	Pass
281.0	334	Vertical	-72.6	-13.0	-59.6	Pass
631.8	150	Vertical	-74.2	-13.0	-61.2	Pass
885.7	169	Vertical	-69.9	-13.0	-56.9	Pass
7459.9	305	Vertical	-51.2	-13.0	-38.2	Pass
11271.6	72	Vertical	-60.1	-13.0	-47.1	Pass
14830.2	42	Vertical	-51.3	-13.0	-38.3	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
269.7	178	Horizontal	-71.6	-13.0	-58.6	Pass
653.8	277	Horizontal	-72.3	-13.0	-59.3	Pass
906.7	258	Horizontal	-69.7	-13.0	-56.7	Pass
7510.6	295	Horizontal	-60.6	-13.0	-47.6	Pass
11282.6	99	Horizontal	-57.4	-13.0	-44.4	Pass
14923.8	348	Horizontal	-54.1	-13.0	-41.1	Pass
282.8	337	Vertical	-71.9	-13.0	-58.9	Pass
670.4	148	Vertical	-73.4	-13.0	-60.4	Pass
881.7	165	Vertical	-68.7	-13.0	-55.7	Pass
7532.5	306	Vertical	-51.8	-13.0	-38.8	Pass
11216.6	74	Vertical	-60.4	-13.0	-47.4	Pass
14893.8	38	Vertical	-51.8	-13.0	-38.8	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
209.7	182	Horizontal	-71.0	-13.0	-58.0	Pass
593.6	282	Horizontal	-72.9	-13.0	-59.9	Pass
890.0	255	Horizontal	-69.7	-13.0	-56.7	Pass
7562.6	288	Horizontal	-59.8	-13.0	-46.8	Pass
11259.6	100	Horizontal	-57.1	-13.0	-44.1	Pass
14890.8	345	Horizontal	-54.3	-13.0	-41.3	Pass
269.7	335	Vertical	-72.1	-13.0	-59.1	Pass
693.1	144	Vertical	-74.0	-13.0	-61.0	Pass
914.7	167	Vertical	-68.8	-13.0	-55.8	Pass
7469.8	303	Vertical	-51.4	-13.0	-38.4	Pass
11156.4	78	Vertical	-60.2	-13.0	-47.2	Pass
14960.0	40	Vertical	-51.4	-13.0	-38.4	Pass



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5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
288.1	179	Horizontal	-71.0	-13.0	-58.0	Pass
587.0	275	Horizontal	-72.2	-13.0	-59.2	Pass
868.1	249	Horizontal	-69.3	-13.0	-56.3	Pass
7525.4	289	Horizontal	-59.8	-13.0	-46.8	Pass
11285.6	102	Horizontal	-57.6	-13.0	-44.6	Pass
14930.9	349	Horizontal	-53.8	-13.0	-40.8	Pass
264.7	340	Vertical	-72.2	-13.0	-59.2	Pass
624.1	143	Vertical	-74.1	-13.0	-61.1	Pass
943.8	161	Vertical	-69.0	-13.0	-56.0	Pass
7516.0	309	Vertical	-51.8	-13.0	-38.8	Pass
11199.5	82	Vertical	-60.0	-13.0	-47.0	Pass
14949.0	41	Vertical	-51.1	-13.0	-38.1	Pass

5G NR SCS 15KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
226.9	184	Horizontal	-71.6	-13.0	-58.6	Pass
651.6	284	Horizontal	-72.1	-13.0	-59.1	Pass
883.5	253	Horizontal	-69.9	-13.0	-56.9	Pass
7537.5	296	Horizontal	-59.9	-13.0	-46.9	Pass
11193.2	104	Horizontal	-57.6	-13.0	-44.6	Pass
14880.3	349	Horizontal	-53.7	-13.0	-40.7	Pass
241.2	342	Vertical	-72.3	-13.0	-59.3	Pass
605.4	141	Vertical	-73.4	-13.0	-60.4	Pass
868.1	162	Vertical	-69.4	-13.0	-56.4	Pass
7471.9	304	Vertical	-52.0	-13.0	-39.0	Pass
11215.9	77	Vertical	-59.7	-13.0	-46.7	Pass
14945.1	42	Vertical	-51.0	-13.0	-38.0	Pass



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5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
281.9	176	Horizontal	-71.6	-13.0	-58.6	Pass
664.5	284	Horizontal	-72.1	-13.0	-59.1	Pass
927.4	251	Horizontal	-69.3	-13.0	-56.3	Pass
7565.0	291	Horizontal	-60.7	-13.0	-47.7	Pass
11287.6	100	Horizontal	-57.4	-13.0	-44.4	Pass
14863.1	346	Horizontal	-54.3	-13.0	-41.3	Pass
253.2	343	Vertical	-72.2	-13.0	-59.2	Pass
621.3	143	Vertical	-73.4	-13.0	-60.4	Pass
902.3	166	Vertical	-68.7	-13.0	-55.7	Pass
7446.5	309	Vertical	-51.6	-13.0	-38.6	Pass
11245.5	80	Vertical	-59.7	-13.0	-46.7	Pass
14948.1	37	Vertical	-51.6	-13.0	-38.6	Pass

5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
213.9	130	Horizontal	-73.4	-13.0	-60.4	Pass
527.1	355	Horizontal	-70.7	-13.0	-57.7	Pass
922.0	155	Horizontal	-69.5	-13.0	-56.5	Pass
7317.4	215	Horizontal	-54.0	-13.0	-41.0	Pass
10955.5	60	Horizontal	-57.3	-13.0	-44.3	Pass
14649.4	278	Horizontal	-54.1	-13.0	-41.1	Pass
206.6	160	Vertical	-69.2	-13.0	-56.2	Pass
630.1	120	Vertical	-73.1	-13.0	-60.1	Pass
957.6	166	Vertical	-69.6	-13.0	-56.6	Pass
7334.8	232	Vertical	-54.1	-13.0	-41.1	Pass
11020.8	25	Vertical	-58.1	-13.0	-45.1	Pass
14634.7	229	Vertical	-56.6	-13.0	-43.6	Pass



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5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
227.4	183	Horizontal	-70.4	-13.0	-57.4	Pass
566.2	272	Horizontal	-72.6	-13.0	-59.6	Pass
910.0	245	Horizontal	-69.7	-13.0	-56.7	Pass
7532.0	291	Horizontal	-60.0	-13.0	-47.0	Pass
11189.5	103	Horizontal	-56.9	-13.0	-43.9	Pass
14886.3	349	Horizontal	-53.7	-13.0	-40.7	Pass
243.5	333	Vertical	-72.6	-13.0	-59.6	Pass
611.2	151	Vertical	-74.9	-13.0	-61.9	Pass
925.9	172	Vertical	-69.1	-13.0	-56.1	Pass
7488.7	303	Vertical	-51.5	-13.0	-38.5	Pass
11206.1	70	Vertical	-60.1	-13.0	-47.1	Pass
14925.0	41	Vertical	-51.7	-13.0	-38.7	Pass

5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 20+20M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
200.6	159	Horizontal	-71.2	-13.0	-58.2	Pass
624.9	135	Horizontal	-71.6	-13.0	-58.6	Pass
858.2	151	Horizontal	-69.9	-13.0	-56.9	Pass
7159.2	37	Horizontal	-52.8	-13.0	-39.8	Pass
10759.4	176	Horizontal	-57.4	-13.0	-44.4	Pass
14318.2	133	Horizontal	-51.2	-13.0	-38.2	Pass
228.4	56	Vertical	-71.7	-13.0	-58.7	Pass
670.0	149	Vertical	-74.9	-13.0	-61.9	Pass
877.8	103	Vertical	-70.2	-13.0	-57.2	Pass
7214.6	72	Vertical	-54.1	-13.0	-41.1	Pass
10819.1	14	Vertical	-54.8	-13.0	-41.8	Pass
14319.9	266	Vertical	-56.1	-13.0	-43.1	Pass



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5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 20+20M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
243.6	133	Horizontal	-73.7	-13.0	-60.7	Pass
608.3	353	Horizontal	-70.7	-13.0	-57.7	Pass
941.5	145	Horizontal	-69.7	-13.0	-56.7	Pass
7407.5	223	Horizontal	-55.2	-13.0	-42.2	Pass
10961.2	57	Horizontal	-57.5	-13.0	-44.5	Pass
14644.7	272	Horizontal	-54.4	-13.0	-41.4	Pass
267.0	160	Vertical	-69.7	-13.0	-56.7	Pass
594.9	120	Vertical	-72.5	-13.0	-59.5	Pass
951.2	164	Vertical	-69.6	-13.0	-56.6	Pass
7364.7	234	Vertical	-53.6	-13.0	-40.6	Pass
10995.4	25	Vertical	-58.1	-13.0	-45.1	Pass
14616.3	225	Vertical	-56.4	-13.0	-43.4	Pass

5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 20+20M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
275.5	187	Horizontal	-71.2	-13.0	-58.2	Pass
584.3	281	Horizontal	-72.8	-13.0	-59.8	Pass
942.1	248	Horizontal	-69.7	-13.0	-56.7	Pass
7561.5	294	Horizontal	-59.9	-13.0	-46.9	Pass
11272.5	98	Horizontal	-57.7	-13.0	-44.7	Pass
14945.4	343	Horizontal	-53.8	-13.0	-40.8	Pass
211.4	339	Vertical	-72.1	-13.0	-59.1	Pass
700.0	144	Vertical	-73.3	-13.0	-60.3	Pass
942.8	165	Vertical	-68.5	-13.0	-55.5	Pass
7465.5	299	Vertical	-52.2	-13.0	-39.2	Pass
11170.4	82	Vertical	-60.8	-13.0	-47.8	Pass
14867.2	43	Vertical	-51.2	-13.0	-38.2	Pass



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5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
279.0	188	Horizontal	-71.1	-13.0	-58.1	Pass
622.8	274	Horizontal	-73.2	-13.0	-60.2	Pass
866.6	251	Horizontal	-70.0	-13.0	-57.0	Pass
7525.3	292	Horizontal	-59.4	-13.0	-46.4	Pass
11180.5	97	Horizontal	-58.3	-13.0	-45.3	Pass
14882.3	340	Horizontal	-53.8	-13.0	-40.8	Pass
251.9	336	Vertical	-71.6	-13.0	-58.6	Pass
714.9	143	Vertical	-73.6	-13.0	-60.6	Pass
937.2	167	Vertical	-68.7	-13.0	-55.7	Pass
7488.3	305	Vertical	-51.5	-13.0	-38.5	Pass
11132.6	79	Vertical	-60.3	-13.0	-47.3	Pass
14871.2	41	Vertical	-51.2	-13.0	-38.2	Pass

5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
278.2	192	Horizontal	-71.5	-13.0	-58.5	Pass
627.3	280	Horizontal	-73.1	-13.0	-60.1	Pass
865.7	247	Horizontal	-70.3	-13.0	-57.3	Pass
7519.6	292	Horizontal	-59.6	-13.0	-46.6	Pass
11210.1	98	Horizontal	-57.6	-13.0	-44.6	Pass
14921.5	340	Horizontal	-53.9	-13.0	-40.9	Pass
259.9	339	Vertical	-72.4	-13.0	-59.4	Pass
620.0	139	Vertical	-73.3	-13.0	-60.3	Pass
873.8	166	Vertical	-69.0	-13.0	-56.0	Pass
7490.9	300	Vertical	-51.8	-13.0	-38.8	Pass
11152.3	80	Vertical	-60.3	-13.0	-47.3	Pass
14860.0	42	Vertical	-51.4	-13.0	-38.4	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
250.3	192	Horizontal	-71.4	-13.0	-58.4	Pass
621.2	277	Horizontal	-73.2	-13.0	-60.2	Pass
880.4	248	Horizontal	-69.9	-13.0	-56.9	Pass
7520.6	288	Horizontal	-59.5	-13.0	-46.5	Pass
11207.0	103	Horizontal	-57.6	-13.0	-44.6	Pass
14884.3	345	Horizontal	-53.6	-13.0	-40.6	Pass
203.5	344	Vertical	-72.3	-13.0	-59.3	Pass
650.7	143	Vertical	-73.8	-13.0	-60.8	Pass
910.2	167	Vertical	-69.2	-13.0	-56.2	Pass
7487.1	305	Vertical	-51.8	-13.0	-38.8	Pass
11152.1	73	Vertical	-60.2	-13.0	-47.2	Pass
14904.4	41	Vertical	-51.6	-13.0	-38.6	Pass

5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
235.4	191	Horizontal	-71.2	-13.0	-58.2	Pass
624.1	276	Horizontal	-72.7	-13.0	-59.7	Pass
897.6	246	Horizontal	-69.8	-13.0	-56.8	Pass
7477.7	293	Horizontal	-60.0	-13.0	-47.0	Pass
11271.7	106	Horizontal	-57.8	-13.0	-44.8	Pass
14897.0	341	Horizontal	-53.3	-13.0	-40.3	Pass
238.4	343	Vertical	-71.7	-13.0	-58.7	Pass
682.6	143	Vertical	-73.1	-13.0	-60.1	Pass
929.8	170	Vertical	-68.4	-13.0	-55.4	Pass
7478.5	303	Vertical	-51.5	-13.0	-38.5	Pass
11172.2	74	Vertical	-60.9	-13.0	-47.9	Pass
14952.4	39	Vertical	-50.9	-13.0	-37.9	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
291.0	192	Horizontal	-71.9	-13.0	-58.9	Pass
643.7	282	Horizontal	-73.2	-13.0	-60.2	Pass
885.3	250	Horizontal	-69.9	-13.0	-56.9	Pass
7480.4	291	Horizontal	-59.9	-13.0	-46.9	Pass
11196.6	99	Horizontal	-58.1	-13.0	-45.1	Pass
14936.8	343	Horizontal	-53.6	-13.0	-40.6	Pass
285.8	342	Vertical	-71.7	-13.0	-58.7	Pass
690.5	140	Vertical	-73.2	-13.0	-60.2	Pass
932.9	164	Vertical	-69.0	-13.0	-56.0	Pass
7442.6	299	Vertical	-52.1	-13.0	-39.1	Pass
11121.0	74	Vertical	-60.5	-13.0	-47.5	Pass
14860.5	36	Vertical	-51.2	-13.0	-38.2	Pass

5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
256.9	185	Horizontal	-71.1	-13.0	-58.1	Pass
574.7	277	Horizontal	-73.0	-13.0	-60.0	Pass
959.7	247	Horizontal	-69.8	-13.0	-56.8	Pass
7469.4	291	Horizontal	-59.6	-13.0	-46.6	Pass
11203.7	105	Horizontal	-58.5	-13.0	-45.5	Pass
14908.2	343	Horizontal	-54.1	-13.0	-41.1	Pass
226.7	341	Vertical	-71.7	-13.0	-58.7	Pass
658.9	141	Vertical	-73.8	-13.0	-60.8	Pass
914.4	167	Vertical	-69.3	-13.0	-56.3	Pass
7467.4	303	Vertical	-51.3	-13.0	-38.3	Pass
11166.0	77	Vertical	-60.8	-13.0	-47.8	Pass
14889.4	36	Vertical	-51.6	-13.0	-38.6	Pass



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5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
264.2	161	Horizontal	-70.7	-13.0	-57.7	Pass
596.2	135	Horizontal	-70.7	-13.0	-57.7	Pass
936.9	151	Horizontal	-69.8	-13.0	-56.8	Pass
7207.7	35	Horizontal	-52.1	-13.0	-39.1	Pass
10834.7	182	Horizontal	-56.7	-13.0	-43.7	Pass
14353.3	129	Horizontal	-50.8	-13.0	-37.8	Pass
243.1	55	Vertical	-71.2	-13.0	-58.2	Pass
698.9	150	Vertical	-74.6	-13.0	-61.6	Pass
910.8	106	Vertical	-70.1	-13.0	-57.1	Pass
7284.1	80	Vertical	-53.3	-13.0	-40.3	Pass
10791.7	17	Vertical	-54.6	-13.0	-41.6	Pass
14289.9	256	Vertical	-55.8	-13.0	-42.8	Pass

5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
337.9	127	Horizontal	-73.9	-13.0	-60.9	Pass
598.9	355	Horizontal	-71.4	-13.0	-58.4	Pass
829.9	148	Horizontal	-69.4	-13.0	-56.4	Pass
7329.4	218	Horizontal	-54.8	-13.0	-41.8	Pass
10985.3	56	Horizontal	-56.7	-13.0	-43.7	Pass
14595.1	277	Horizontal	-54.3	-13.0	-41.3	Pass
247.2	164	Vertical	-68.7	-13.0	-55.7	Pass
631.6	127	Vertical	-73.1	-13.0	-60.1	Pass
993.2	169	Vertical	-70.3	-13.0	-57.3	Pass
7350.0	222	Vertical	-53.9	-13.0	-40.9	Pass
11009.2	35	Vertical	-57.8	-13.0	-44.8	Pass
14601.5	232	Vertical	-56.4	-13.0	-43.4	Pass



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5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
278.1	190	Horizontal	-71.5	-13.0	-58.5	Pass
561.4	276	Horizontal	-73.3	-13.0	-60.3	Pass
911.1	242	Horizontal	-70.4	-13.0	-57.4	Pass
7515.7	291	Horizontal	-60.2	-13.0	-47.2	Pass
11267.1	97	Horizontal	-57.7	-13.0	-44.7	Pass
14911.3	347	Horizontal	-53.2	-13.0	-40.2	Pass
253.8	336	Vertical	-71.4	-13.0	-58.4	Pass
702.4	147	Vertical	-74.0	-13.0	-61.0	Pass
990.8	175	Vertical	-68.5	-13.0	-55.5	Pass
7541.8	295	Vertical	-51.0	-13.0	-38.0	Pass
11208.5	76	Vertical	-60.5	-13.0	-47.5	Pass
14867.7	41	Vertical	-51.6	-13.0	-38.6	Pass

5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
298.9	148	Horizontal	-70.5	-13.0	-57.5	Pass
630.7	123	Horizontal	-71.1	-13.0	-58.1	Pass
950.8	138	Horizontal	-69.7	-13.0	-56.7	Pass
7262.3	16	Horizontal	-52.3	-13.0	-39.3	Pass
10769.4	162	Horizontal	-57.4	-13.0	-44.4	Pass
14344.2	117	Horizontal	-51.5	-13.0	-38.5	Pass
231.9	51	Vertical	-71.8	-13.0	-58.8	Pass
624.1	131	Vertical	-73.7	-13.0	-60.7	Pass
986.8	99	Vertical	-70.1	-13.0	-57.1	Pass
7302.4	66	Vertical	-52.8	-13.0	-39.8	Pass
10833.2	4	Vertical	-54.3	-13.0	-41.3	Pass
14339.1	251	Vertical	-55.8	-13.0	-42.8	Pass



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5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
188.5	107	Horizontal	-73.2	-13.0	-60.2	Pass
587.7	345	Horizontal	-70.7	-13.0	-57.7	Pass
933.4	154	Horizontal	-68.8	-13.0	-55.8	Pass
7374.1	215	Horizontal	-54.7	-13.0	-41.7	Pass
10990.4	59	Horizontal	-58.0	-13.0	-45.0	Pass
14646.7	273	Horizontal	-54.9	-13.0	-41.9	Pass
272.5	163	Vertical	-69.2	-13.0	-56.2	Pass
680.9	109	Vertical	-72.4	-13.0	-59.4	Pass
895.4	161	Vertical	-69.5	-13.0	-56.5	Pass
7373.8	211	Vertical	-54.1	-13.0	-41.1	Pass
10991.4	15	Vertical	-57.3	-13.0	-44.3	Pass
14721.3	218	Vertical	-57.1	-13.0	-44.1	Pass

5G NR SCS 15KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
236.3	167	Horizontal	-71.0	-13.0	-58.0	Pass
625.7	271	Horizontal	-72.2	-13.0	-59.2	Pass
871.7	254	Horizontal	-70.2	-13.0	-57.2	Pass
7498.3	275	Horizontal	-60.4	-13.0	-47.4	Pass
11230.0	90	Horizontal	-58.1	-13.0	-45.1	Pass
14872.3	316	Horizontal	-54.1	-13.0	-41.1	Pass
263.4	330	Vertical	-72.0	-13.0	-59.0	Pass
675.0	149	Vertical	-74.4	-13.0	-61.4	Pass
916.0	152	Vertical	-69.1	-13.0	-56.1	Pass
7440.6	305	Vertical	-51.8	-13.0	-38.8	Pass
11156.2	57	Vertical	-60.2	-13.0	-47.2	Pass
14901.6	34	Vertical	-51.3	-13.0	-38.3	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
285.9	205	Horizontal	-70.0	-13.0	-57.0	Pass
531.2	324	Horizontal	-70.8	-13.0	-57.8	Pass
847.7	179	Horizontal	-71.0	-13.0	-58.0	Pass
7177.8	82	Horizontal	-50.9	-13.0	-37.9	Pass
10837.1	81	Horizontal	-58.2	-13.0	-45.2	Pass
14340.7	259	Horizontal	-52.8	-13.0	-39.8	Pass
207.1	307	Vertical	-70.2	-13.0	-57.2	Pass
715.3	112	Vertical	-75.3	-13.0	-62.3	Pass
891.2	277	Vertical	-69.2	-13.0	-56.2	Pass
7278.3	161	Vertical	-53.3	-13.0	-40.3	Pass
10681.2	5	Vertical	-54.6	-13.0	-41.6	Pass
14285.3	285	Vertical	-54.8	-13.0	-41.8	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
309.5	271	Horizontal	-73.6	-13.0	-60.6	Pass
645.7	20	Horizontal	-72.2	-13.0	-59.2	Pass
839.8	22	Horizontal	-70.0	-13.0	-57.0	Pass
7451.0	66	Horizontal	-53.7	-13.0	-40.7	Pass
11009.4	192	Horizontal	-56.4	-13.0	-43.4	Pass
14687.8	195	Horizontal	-55.1	-13.0	-42.1	Pass
291.3	48	Vertical	-70.6	-13.0	-57.6	Pass
624.4	336	Vertical	-72.4	-13.0	-59.4	Pass
933.8	260	Vertical	-69.7	-13.0	-56.7	Pass
7374.7	174	Vertical	-54.1	-13.0	-41.1	Pass
10987.3	50	Vertical	-56.4	-13.0	-43.4	Pass
14682.9	90	Vertical	-58.1	-13.0	-45.1	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
193.3	188	Horizontal	-69.5	-13.0	-56.5	Pass
558.7	119	Horizontal	-74.7	-13.0	-61.7	Pass
871.5	128	Horizontal	-69.2	-13.0	-56.2	Pass
7534.5	54	Horizontal	-60.1	-13.0	-47.1	Pass
11171.5	107	Horizontal	-58.0	-13.0	-45.0	Pass
14873.4	279	Horizontal	-52.7	-13.0	-39.7	Pass
215.6	15	Vertical	-72.9	-13.0	-59.9	Pass
659.8	119	Vertical	-73.4	-13.0	-60.4	Pass
977.0	224	Vertical	-69.9	-13.0	-56.9	Pass
7521.3	52	Vertical	-51.0	-13.0	-38.0	Pass
11165.9	258	Vertical	-60.3	-13.0	-47.3	Pass
14932.1	145	Vertical	-50.7	-13.0	-37.7	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 15M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
213.7	181	Horizontal	-69.7	-13.0	-56.7	Pass
563.3	110	Horizontal	-74.8	-13.0	-61.8	Pass
925.1	127	Horizontal	-69.0	-13.0	-56.0	Pass
7546.9	44	Horizontal	-60.1	-13.0	-47.1	Pass
11194.5	131	Horizontal	-58.2	-13.0	-45.2	Pass
14943.3	301	Horizontal	-52.9	-13.0	-39.9	Pass
289.2	6	Vertical	-72.6	-13.0	-59.6	Pass
623.2	120	Vertical	-73.8	-13.0	-60.8	Pass
989.5	205	Vertical	-69.8	-13.0	-56.8	Pass
7489.9	63	Vertical	-50.5	-13.0	-37.5	Pass
11206.3	245	Vertical	-60.6	-13.0	-47.6	Pass
14901.4	133	Vertical	-51.0	-13.0	-38.0	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 15M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
242.7	48	Horizontal	-73.0	-13.0	-60.0	Pass
660.8	62	Horizontal	-71.3	-13.0	-58.3	Pass
873.1	116	Horizontal	-69.7	-13.0	-56.7	Pass
7397.7	227	Horizontal	-55.2	-13.0	-42.2	Pass
11021.4	127	Horizontal	-56.0	-13.0	-43.0	Pass
14592.2	317	Horizontal	-56.9	-13.0	-43.9	Pass
277.8	342	Vertical	-71.0	-13.0	-58.0	Pass
724.1	151	Vertical	-70.5	-13.0	-57.5	Pass
894.7	34	Vertical	-70.7	-13.0	-57.7	Pass
7354.7	52	Vertical	-53.8	-13.0	-40.8	Pass
11006.3	213	Vertical	-58.4	-13.0	-45.4	Pass
14656.2	213	Vertical	-57.5	-13.0	-44.5	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 15M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
313.8	243	Horizontal	-69.4	-13.0	-56.4	Pass
601.3	273	Horizontal	-73.3	-13.0	-60.3	Pass
876.8	119	Horizontal	-68.8	-13.0	-55.8	Pass
7554.4	206	Horizontal	-59.1	-13.0	-46.1	Pass
11174.2	23	Horizontal	-59.6	-13.0	-46.6	Pass
14962.1	349	Horizontal	-52.8	-13.0	-39.8	Pass
291.1	154	Vertical	-72.3	-13.0	-59.3	Pass
658.9	220	Vertical	-74.8	-13.0	-61.8	Pass
840.7	212	Vertical	-69.2	-13.0	-56.2	Pass
7478.1	257	Vertical	-49.4	-13.0	-36.4	Pass
11201.3	0	Vertical	-60.3	-13.0	-47.3	Pass
14873.0	140	Vertical	-52.7	-13.0	-39.7	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
272.8	64	Horizontal	-70.7	-13.0	-57.7	Pass
684.0	204	Horizontal	-72.5	-13.0	-59.5	Pass
843.3	271	Horizontal	-70.0	-13.0	-57.0	Pass
7238.2	283	Horizontal	-50.8	-13.0	-37.8	Pass
10728.9	139	Horizontal	-57.8	-13.0	-44.8	Pass
14310.0	162	Horizontal	-53.4	-13.0	-40.4	Pass
246.7	276	Vertical	-72.7	-13.0	-59.7	Pass
606.4	326	Vertical	-72.5	-13.0	-59.5	Pass
924.6	171	Vertical	-69.3	-13.0	-56.3	Pass
7204.0	193	Vertical	-53.7	-13.0	-40.7	Pass
10783.9	60	Vertical	-55.3	-13.0	-42.3	Pass
14398.2	289	Vertical	-55.0	-13.0	-42.0	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 20M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
193.6	254	Horizontal	-72.0	-13.0	-59.0	Pass
658.8	192	Horizontal	-72.4	-13.0	-59.4	Pass
982.7	249	Horizontal	-70.1	-13.0	-57.1	Pass
7380.1	20	Horizontal	-54.3	-13.0	-41.3	Pass
11020.4	137	Horizontal	-56.5	-13.0	-43.5	Pass
14660.1	179	Horizontal	-55.1	-13.0	-42.1	Pass
294.5	139	Vertical	-70.5	-13.0	-57.5	Pass
555.9	14	Vertical	-73.9	-13.0	-60.9	Pass
973.2	327	Vertical	-69.6	-13.0	-56.6	Pass
7422.5	70	Vertical	-55.0	-13.0	-42.0	Pass
11012.7	234	Vertical	-58.4	-13.0	-45.4	Pass
14638.9	39	Vertical	-57.6	-13.0	-44.6	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 20M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
177.2	297	Horizontal	-68.5	-13.0	-55.5	Pass
649.5	195	Horizontal	-74.5	-13.0	-61.5	Pass
908.7	230	Horizontal	-68.3	-13.0	-55.3	Pass
7436.9	20	Horizontal	-61.1	-13.0	-48.1	Pass
11222.4	334	Horizontal	-58.3	-13.0	-45.3	Pass
14888.9	168	Horizontal	-52.1	-13.0	-39.1	Pass
220.4	172	Vertical	-73.0	-13.0	-60.0	Pass
651.6	219	Vertical	-74.7	-13.0	-61.7	Pass
865.3	58	Vertical	-67.0	-13.0	-54.0	Pass
7425.7	76	Vertical	-51.2	-13.0	-38.2	Pass
11233.5	131	Vertical	-62.2	-13.0	-49.2	Pass
14877.0	351	Vertical	-51.2	-13.0	-38.2	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 25M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
214.3	161	Horizontal	-71.2	-13.0	-58.2	Pass
631.0	114	Horizontal	-71.1	-13.0	-58.1	Pass
871.1	138	Horizontal	-69.6	-13.0	-56.6	Pass
7194.4	37	Horizontal	-52.5	-13.0	-39.5	Pass
10713.8	146	Horizontal	-56.8	-13.0	-43.8	Pass
14297.4	130	Horizontal	-51.4	-13.0	-38.4	Pass
231.0	44	Vertical	-71.4	-13.0	-58.4	Pass
729.9	149	Vertical	-74.0	-13.0	-61.0	Pass
902.0	76	Vertical	-69.6	-13.0	-56.6	Pass
7150.7	64	Vertical	-53.8	-13.0	-40.8	Pass
10735.0	10	Vertical	-54.4	-13.0	-41.4	Pass
14359.2	255	Vertical	-55.1	-13.0	-42.1	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 25M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
269.4	131	Horizontal	-73.1	-13.0	-60.1	Pass
586.6	345	Horizontal	-71.3	-13.0	-58.3	Pass
829.4	143	Horizontal	-69.2	-13.0	-56.2	Pass
7370.1	199	Horizontal	-55.0	-13.0	-42.0	Pass
11029.4	32	Horizontal	-57.6	-13.0	-44.6	Pass
14646.2	254	Horizontal	-55.6	-13.0	-42.6	Pass
296.7	142	Vertical	-69.4	-13.0	-56.4	Pass
683.0	99	Vertical	-72.9	-13.0	-59.9	Pass
947.6	147	Vertical	-69.2	-13.0	-56.2	Pass
7361.0	223	Vertical	-53.9	-13.0	-40.9	Pass
11026.6	11	Vertical	-57.7	-13.0	-44.7	Pass
14623.9	215	Vertical	-56.7	-13.0	-43.7	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 25M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
289.5	173	Horizontal	-71.2	-13.0	-58.2	Pass
557.0	254	Horizontal	-72.3	-13.0	-59.3	Pass
913.9	249	Horizontal	-70.2	-13.0	-57.2	Pass
7484.2	271	Horizontal	-60.6	-13.0	-47.6	Pass
11188.2	94	Horizontal	-57.3	-13.0	-44.3	Pass
14932.0	334	Horizontal	-54.7	-13.0	-41.7	Pass
189.4	318	Vertical	-72.8	-13.0	-59.8	Pass
655.8	137	Vertical	-74.6	-13.0	-61.6	Pass
933.0	145	Vertical	-68.8	-13.0	-55.8	Pass
7506.7	309	Vertical	-51.4	-13.0	-38.4	Pass
11165.8	67	Vertical	-60.4	-13.0	-47.4	Pass
14906.9	19	Vertical	-51.3	-13.0	-38.3	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 30M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
234.8	161	Horizontal	-70.9	-13.0	-57.9	Pass
609.0	122	Horizontal	-69.9	-13.0	-56.9	Pass
901.0	143	Horizontal	-68.8	-13.0	-55.8	Pass
7224.0	38	Horizontal	-52.1	-13.0	-39.1	Pass
10859.1	168	Horizontal	-57.5	-13.0	-44.5	Pass
14392.4	107	Horizontal	-51.5	-13.0	-38.5	Pass
323.2	38	Vertical	-71.7	-13.0	-58.7	Pass
645.1	145	Vertical	-74.9	-13.0	-61.9	Pass
906.9	78	Vertical	-70.1	-13.0	-57.1	Pass
7222.9	76	Vertical	-54.1	-13.0	-41.1	Pass
10764.7	20	Vertical	-54.9	-13.0	-41.9	Pass
14347.8	258	Vertical	-55.8	-13.0	-42.8	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 30M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
196.5	111	Horizontal	-73.0	-13.0	-60.0	Pass
650.3	348	Horizontal	-71.6	-13.0	-58.6	Pass
927.9	145	Horizontal	-70.1	-13.0	-57.1	Pass
7309.8	199	Horizontal	-54.6	-13.0	-41.6	Pass
11013.7	59	Horizontal	-57.0	-13.0	-44.0	Pass
14549.2	260	Horizontal	-54.3	-13.0	-41.3	Pass
265.5	150	Vertical	-69.1	-13.0	-56.1	Pass
607.1	103	Vertical	-72.1	-13.0	-59.1	Pass
891.3	168	Vertical	-70.3	-13.0	-57.3	Pass
7322.0	207	Vertical	-53.6	-13.0	-40.6	Pass
10959.7	19	Vertical	-57.1	-13.0	-44.1	Pass
14623.1	205	Vertical	-56.5	-13.0	-43.5	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 30M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
230.4	171	Horizontal	-71.1	-13.0	-58.1	Pass
600.9	262	Horizontal	-73.2	-13.0	-60.2	Pass
845.1	253	Horizontal	-69.4	-13.0	-56.4	Pass
7490.1	281	Horizontal	-59.7	-13.0	-46.7	Pass
11198.4	75	Horizontal	-57.6	-13.0	-44.6	Pass
14895.3	332	Horizontal	-53.5	-13.0	-40.5	Pass
252.3	344	Vertical	-71.3	-13.0	-58.3	Pass
673.4	127	Vertical	-73.4	-13.0	-60.4	Pass
858.4	148	Vertical	-69.5	-13.0	-56.5	Pass
7502.2	286	Vertical	-51.5	-13.0	-38.5	Pass
11201.7	69	Vertical	-59.8	-13.0	-46.8	Pass
14854.9	34	Vertical	-51.2	-13.0	-38.2	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 40M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
282.8	148	Horizontal	-70.7	-13.0	-57.7	Pass
602.6	113	Horizontal	-70.9	-13.0	-57.9	Pass
977.2	128	Horizontal	-69.4	-13.0	-56.4	Pass
7268.4	8	Horizontal	-52.0	-13.0	-39.0	Pass
10713.7	173	Horizontal	-56.7	-13.0	-43.7	Pass
14354.6	105	Horizontal	-51.6	-13.0	-38.6	Pass
286.3	46	Vertical	-71.3	-13.0	-58.3	Pass
686.3	152	Vertical	-74.5	-13.0	-61.5	Pass
928.5	77	Vertical	-69.6	-13.0	-56.6	Pass
7220.1	61	Vertical	-53.9	-13.0	-40.9	Pass
10848.5	21	Vertical	-55.4	-13.0	-42.4	Pass
14380.3	243	Vertical	-55.6	-13.0	-42.6	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 40M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
254.2	111	Horizontal	-72.9	-13.0	-59.9	Pass
607.9	338	Horizontal	-70.2	-13.0	-57.2	Pass
923.9	153	Horizontal	-69.5	-13.0	-56.5	Pass
7306.3	209	Horizontal	-54.4	-13.0	-41.4	Pass
10916.4	47	Horizontal	-56.9	-13.0	-43.9	Pass
14655.4	266	Horizontal	-55.2	-13.0	-42.2	Pass
239.5	153	Vertical	-69.4	-13.0	-56.4	Pass
657.0	104	Vertical	-72.5	-13.0	-59.5	Pass
900.8	144	Vertical	-70.3	-13.0	-57.3	Pass
7406.9	232	Vertical	-54.2	-13.0	-41.2	Pass
11038.4	15	Vertical	-57.7	-13.0	-44.7	Pass
14617.7	213	Vertical	-57.5	-13.0	-44.5	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 40M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
289.9	169	Horizontal	-71.0	-13.0	-58.0	Pass
662.5	254	Horizontal	-72.5	-13.0	-59.5	Pass
891.4	251	Horizontal	-70.4	-13.0	-57.4	Pass
7534.1	287	Horizontal	-60.3	-13.0	-47.3	Pass
11168.7	95	Horizontal	-57.1	-13.0	-44.1	Pass
14948.5	330	Horizontal	-53.7	-13.0	-40.7	Pass
286.8	335	Vertical	-72.7	-13.0	-59.7	Pass
654.5	144	Vertical	-73.7	-13.0	-60.7	Pass
884.2	176	Vertical	-69.5	-13.0	-56.5	Pass
7531.0	280	Vertical	-52.0	-13.0	-39.0	Pass
11176.6	61	Vertical	-59.9	-13.0	-46.9	Pass
14892.5	22	Vertical	-51.7	-13.0	-38.7	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
249.6	158	Horizontal	-70.7	-13.0	-57.7	Pass
677.3	134	Horizontal	-71.1	-13.0	-58.1	Pass
974.1	132	Horizontal	-69.1	-13.0	-56.1	Pass
7136.5	29	Horizontal	-52.6	-13.0	-39.6	Pass
10842.1	156	Horizontal	-57.4	-13.0	-44.4	Pass
14264.1	112	Horizontal	-51.3	-13.0	-38.3	Pass
220.5	32	Vertical	-71.2	-13.0	-58.2	Pass
635.5	136	Vertical	-74.6	-13.0	-61.6	Pass
922.2	89	Vertical	-70.0	-13.0	-57.0	Pass
7249.6	83	Vertical	-53.6	-13.0	-40.6	Pass
10748.5	-10	Vertical	-55.2	-13.0	-42.2	Pass
14393.7	248	Vertical	-55.9	-13.0	-42.9	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
293.0	113	Horizontal	-73.9	-13.0	-60.9	Pass
634.2	331	Horizontal	-70.9	-13.0	-57.9	Pass
825.3	128	Horizontal	-69.3	-13.0	-56.3	Pass
7330.9	209	Horizontal	-55.0	-13.0	-42.0	Pass
10990.4	59	Horizontal	-58.1	-13.0	-45.1	Pass
14642.3	267	Horizontal	-55.0	-13.0	-42.0	Pass
280.8	162	Vertical	-69.9	-13.0	-56.9	Pass
618.6	127	Vertical	-72.6	-13.0	-59.6	Pass
977.3	161	Vertical	-70.0	-13.0	-57.0	Pass
7382.2	211	Vertical	-53.6	-13.0	-40.6	Pass
11056.7	27	Vertical	-57.5	-13.0	-44.5	Pass
14642.9	226	Vertical	-56.9	-13.0	-43.9	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
248.8	172	Horizontal	-71.5	-13.0	-58.5	Pass
531.6	268	Horizontal	-72.8	-13.0	-59.8	Pass
924.2	244	Horizontal	-70.2	-13.0	-57.2	Pass
7509.2	273	Horizontal	-60.1	-13.0	-47.1	Pass
11236.9	76	Horizontal	-57.9	-13.0	-44.9	Pass
14909.9	343	Horizontal	-54.0	-13.0	-41.0	Pass
241.8	343	Vertical	-72.6	-13.0	-59.6	Pass
656.8	152	Vertical	-74.0	-13.0	-61.0	Pass
942.8	160	Vertical	-69.0	-13.0	-56.0	Pass
7490.7	301	Vertical	-51.5	-13.0	-38.5	Pass
11190.2	55	Vertical	-60.4	-13.0	-47.4	Pass
14894.1	33	Vertical	-51.1	-13.0	-38.1	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 20+20M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
256.4	141	Horizontal	-70.6	-13.0	-57.6	Pass
652.9	108	Horizontal	-70.1	-13.0	-57.1	Pass
946.2	140	Horizontal	-69.6	-13.0	-56.6	Pass
7214.7	22	Horizontal	-52.3	-13.0	-39.3	Pass
10799.7	169	Horizontal	-57.0	-13.0	-44.0	Pass
14375.0	105	Horizontal	-51.1	-13.0	-38.1	Pass
275.0	60	Vertical	-71.0	-13.0	-58.0	Pass
579.3	138	Vertical	-74.9	-13.0	-61.9	Pass
904.3	81	Vertical	-69.6	-13.0	-56.6	Pass
7285.3	78	Vertical	-53.9	-13.0	-40.9	Pass
10856.5	12	Vertical	-54.8	-13.0	-41.8	Pass
14309.0	241	Vertical	-55.7	-13.0	-42.7	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 20+20M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
180.9	132	Horizontal	-73.4	-13.0	-60.4	Pass
545.7	353	Horizontal	-70.7	-13.0	-57.7	Pass
957.5	133	Horizontal	-69.4	-13.0	-56.4	Pass
7302.9	197	Horizontal	-55.1	-13.0	-42.1	Pass
10988.6	38	Horizontal	-57.6	-13.0	-44.6	Pass
14611.9	267	Horizontal	-54.8	-13.0	-41.8	Pass
315.1	144	Vertical	-69.2	-13.0	-56.2	Pass
688.9	113	Vertical	-71.8	-13.0	-58.8	Pass
839.8	146	Vertical	-70.1	-13.0	-57.1	Pass
7308.7	223	Vertical	-53.9	-13.0	-40.9	Pass
11007.9	8	Vertical	-57.7	-13.0	-44.7	Pass
14651.9	220	Vertical	-57.3	-13.0	-44.3	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 20+20M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
211.5	180	Horizontal	-71.4	-13.0	-58.4	Pass
609.2	251	Horizontal	-72.2	-13.0	-59.2	Pass
974.1	239	Horizontal	-70.2	-13.0	-57.2	Pass
7468.6	284	Horizontal	-59.5	-13.0	-46.5	Pass
11177.0	78	Horizontal	-57.3	-13.0	-44.3	Pass
14922.4	344	Horizontal	-54.3	-13.0	-41.3	Pass
190.8	327	Vertical	-71.9	-13.0	-58.9	Pass
663.0	129	Vertical	-73.3	-13.0	-60.3	Pass
863.0	167	Vertical	-69.4	-13.0	-56.4	Pass
7566.8	302	Vertical	-51.6	-13.0	-38.6	Pass
11150.1	64	Vertical	-60.4	-13.0	-47.4	Pass
14850.2	16	Vertical	-51.7	-13.0	-38.7	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
264.9	153	Horizontal	-70.9	-13.0	-57.9	Pass
645.7	122	Horizontal	-70.3	-13.0	-57.3	Pass
960.3	145	Horizontal	-70.2	-13.0	-57.2	Pass
7128.6	8	Horizontal	-52.3	-13.0	-39.3	Pass
10777.7	168	Horizontal	-57.2	-13.0	-44.2	Pass
14409.2	111	Horizontal	-51.4	-13.0	-38.4	Pass
172.5	38	Vertical	-70.4	-13.0	-57.4	Pass
651.0	143	Vertical	-74.4	-13.0	-61.4	Pass
986.8	85	Vertical	-70.1	-13.0	-57.1	Pass
7219.1	81	Vertical	-52.8	-13.0	-39.8	Pass
10769.1	25	Vertical	-54.4	-13.0	-41.4	Pass
14282.1	244	Vertical	-56.0	-13.0	-43.0	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
321.5	132	Horizontal	-72.9	-13.0	-59.9	Pass
582.7	333	Horizontal	-71.1	-13.0	-58.1	Pass
877.2	156	Horizontal	-70.3	-13.0	-57.3	Pass
7451.6	194	Horizontal	-54.2	-13.0	-41.2	Pass
10983.8	39	Horizontal	-57.6	-13.0	-44.6	Pass
14631.6	274	Horizontal	-55.0	-13.0	-42.0	Pass
275.2	153	Vertical	-69.0	-13.0	-56.0	Pass
553.7	114	Vertical	-72.6	-13.0	-59.6	Pass
891.4	164	Vertical	-69.6	-13.0	-56.6	Pass
7338.0	216	Vertical	-53.7	-13.0	-40.7	Pass
10970.3	11	Vertical	-57.8	-13.0	-44.8	Pass
14700.0	228	Vertical	-56.7	-13.0	-43.7	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
308.2	187	Horizontal	-70.6	-13.0	-57.6	Pass
586.8	275	Horizontal	-72.5	-13.0	-59.5	Pass
867.1	241	Horizontal	-70.0	-13.0	-57.0	Pass
7447.9	287	Horizontal	-59.2	-13.0	-46.2	Pass
11235.6	74	Horizontal	-58.0	-13.0	-45.0	Pass
14943.8	324	Horizontal	-53.7	-13.0	-40.7	Pass
203.2	319	Vertical	-72.2	-13.0	-59.2	Pass
624.3	130	Vertical	-74.3	-13.0	-61.3	Pass
913.9	145	Vertical	-69.7	-13.0	-56.7	Pass
7485.3	287	Vertical	-51.9	-13.0	-38.9	Pass
11238.4	54	Vertical	-59.9	-13.0	-46.9	Pass
14880.9	19	Vertical	-51.3	-13.0	-38.3	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
296.0	149	Horizontal	-70.7	-13.0	-57.7	Pass
540.4	106	Horizontal	-70.4	-13.0	-57.4	Pass
953.5	129	Horizontal	-69.8	-13.0	-56.8	Pass
7292.5	21	Horizontal	-52.6	-13.0	-39.6	Pass
10868.9	149	Horizontal	-57.2	-13.0	-44.2	Pass
14360.9	112	Horizontal	-51.7	-13.0	-38.7	Pass
225.2	24	Vertical	-70.8	-13.0	-57.8	Pass
655.6	144	Vertical	-73.8	-13.0	-60.8	Pass
914.6	108	Vertical	-70.4	-13.0	-57.4	Pass
7161.9	56	Vertical	-53.8	-13.0	-40.8	Pass
10796.2	7	Vertical	-54.9	-13.0	-41.9	Pass
14344.2	268	Vertical	-55.9	-13.0	-42.9	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
258.1	110	Horizontal	-73.5	-13.0	-60.5	Pass
588.1	357	Horizontal	-70.8	-13.0	-57.8	Pass
851.6	149	Horizontal	-68.9	-13.0	-55.9	Pass
7319.4	206	Horizontal	-54.3	-13.0	-41.3	Pass
11013.7	62	Horizontal	-57.2	-13.0	-44.2	Pass
14594.1	265	Horizontal	-54.9	-13.0	-41.9	Pass
249.2	154	Vertical	-69.2	-13.0	-56.2	Pass
644.5	122	Vertical	-72.3	-13.0	-59.3	Pass
883.4	156	Vertical	-70.2	-13.0	-57.2	Pass
7382.0	228	Vertical	-53.2	-13.0	-40.2	Pass
11026.4	36	Vertical	-57.7	-13.0	-44.7	Pass
14645.5	227	Vertical	-56.6	-13.0	-43.6	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
278.1	185	Horizontal	-71.4	-13.0	-58.4	Pass
584.0	250	Horizontal	-72.8	-13.0	-59.8	Pass
911.6	255	Horizontal	-70.2	-13.0	-57.2	Pass
7522.1	274	Horizontal	-60.3	-13.0	-47.3	Pass
11149.1	69	Horizontal	-57.8	-13.0	-44.8	Pass
14893.7	319	Horizontal	-54.5	-13.0	-41.5	Pass
249.6	324	Vertical	-71.8	-13.0	-58.8	Pass
662.1	150	Vertical	-73.5	-13.0	-60.5	Pass
908.2	175	Vertical	-69.7	-13.0	-56.7	Pass
7549.4	303	Vertical	-52.1	-13.0	-39.1	Pass
11274.1	77	Vertical	-60.2	-13.0	-47.2	Pass
14968.9	22	Vertical	-51.7	-13.0	-38.7	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
257.5	162	Horizontal	-69.9	-13.0	-56.9	Pass
535.8	113	Horizontal	-70.6	-13.0	-57.6	Pass
883.7	123	Horizontal	-69.8	-13.0	-56.8	Pass
7203.1	28	Horizontal	-51.9	-13.0	-38.9	Pass
10758.1	156	Horizontal	-57.8	-13.0	-44.8	Pass
14286.1	123	Horizontal	-51.8	-13.0	-38.8	Pass
241.2	51	Vertical	-71.4	-13.0	-58.4	Pass
642.5	151	Vertical	-75.3	-13.0	-62.3	Pass
854.5	78	Vertical	-70.7	-13.0	-57.7	Pass
7305.2	56	Vertical	-53.8	-13.0	-40.8	Pass
10752.0	12	Vertical	-55.2	-13.0	-42.2	Pass
14391.3	251	Vertical	-55.6	-13.0	-42.6	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
258.6	124	Horizontal	-72.5	-13.0	-59.5	Pass
532.6	337	Horizontal	-70.5	-13.0	-57.5	Pass
893.4	150	Horizontal	-69.6	-13.0	-56.6	Pass
7327.8	205	Horizontal	-54.8	-13.0	-41.8	Pass
11017.0	66	Horizontal	-56.8	-13.0	-43.8	Pass
14644.6	268	Horizontal	-55.0	-13.0	-42.0	Pass
338.5	143	Vertical	-69.0	-13.0	-56.0	Pass
593.1	107	Vertical	-71.9	-13.0	-58.9	Pass
970.9	173	Vertical	-70.5	-13.0	-57.5	Pass
7346.5	212	Vertical	-53.5	-13.0	-40.5	Pass
11012.1	32	Vertical	-57.4	-13.0	-44.4	Pass
14672.0	212	Vertical	-57.4	-13.0	-44.4	Pass



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5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
204.0	157	Horizontal	-71.5	-13.0	-58.5	Pass
675.3	264	Horizontal	-72.7	-13.0	-59.7	Pass
936.8	238	Horizontal	-69.9	-13.0	-56.9	Pass
7541.0	292	Horizontal	-60.1	-13.0	-47.1	Pass
11266.8	90	Horizontal	-57.9	-13.0	-44.9	Pass
14926.0	327	Horizontal	-53.7	-13.0	-40.7	Pass
309.6	332	Vertical	-72.0	-13.0	-59.0	Pass
692.8	132	Vertical	-73.8	-13.0	-60.8	Pass
941.6	167	Vertical	-69.1	-13.0	-56.1	Pass
7499.0	292	Vertical	-52.3	-13.0	-39.3	Pass
11187.6	68	Vertical	-59.6	-13.0	-46.6	Pass
14895.0	31	Vertical	-50.9	-13.0	-37.9	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
201.7	133	Horizontal	-70.3	-13.0	-57.3	Pass
617.0	115	Horizontal	-71.3	-13.0	-58.3	Pass
919.0	152	Horizontal	-69.6	-13.0	-56.6	Pass
7165.4	43	Horizontal	-52.3	-13.0	-39.3	Pass
10748.3	153	Horizontal	-56.5	-13.0	-43.5	Pass
14360.2	110	Horizontal	-52.0	-13.0	-39.0	Pass
257.7	37	Vertical	-71.5	-13.0	-58.5	Pass
646.5	144	Vertical	-74.4	-13.0	-61.4	Pass
943.4	98	Vertical	-70.1	-13.0	-57.1	Pass
7215.1	63	Vertical	-52.8	-13.0	-39.8	Pass
10736.1	3	Vertical	-54.4	-13.0	-41.4	Pass
14378.5	238	Vertical	-56.0	-13.0	-43.0	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
203.2	122	Horizontal	-73.8	-13.0	-60.8	Pass
588.9	359	Horizontal	-71.3	-13.0	-58.3	Pass
980.6	158	Horizontal	-69.6	-13.0	-56.6	Pass
7373.9	196	Horizontal	-54.2	-13.0	-41.2	Pass
11014.3	56	Horizontal	-57.0	-13.0	-44.0	Pass
14582.3	260	Horizontal	-54.2	-13.0	-41.2	Pass
201.4	166	Vertical	-69.0	-13.0	-56.0	Pass
634.8	108	Vertical	-72.8	-13.0	-59.8	Pass
1002.8	149	Vertical	-70.7	-13.0	-57.7	Pass
7421.7	224	Vertical	-54.0	-13.0	-41.0	Pass
10976.0	21	Vertical	-57.7	-13.0	-44.7	Pass
14565.8	214	Vertical	-57.7	-13.0	-44.7	Pass

5G NR SCS 30KHz, Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
291.1	172	Horizontal	-70.6	-13.0	-57.6	Pass
591.0	258	Horizontal	-73.5	-13.0	-60.5	Pass
939.6	248	Horizontal	-70.8	-13.0	-57.8	Pass
7489.6	273	Horizontal	-59.3	-13.0	-46.3	Pass
11201.4	89	Horizontal	-58.5	-13.0	-45.5	Pass
14868.4	336	Horizontal	-54.3	-13.0	-41.3	Pass
229.6	319	Vertical	-72.4	-13.0	-59.4	Pass
656.6	126	Vertical	-73.5	-13.0	-60.5	Pass
937.9	168	Vertical	-68.7	-13.0	-55.7	Pass
7442.6	282	Vertical	-51.4	-13.0	-38.4	Pass
11196.7	57	Vertical	-59.4	-13.0	-46.4	Pass
14907.6	36	Vertical	-52.1	-13.0	-39.1	Pass



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Compliance Certification Services (Kunshan) Inc.

Report No.: KSCR220800137701

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5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
161.0	149	Horizontal	-71.0	-13.0	-58.0	Pass
584.4	113	Horizontal	-71.3	-13.0	-58.3	Pass
879.7	131	Horizontal	-70.1	-13.0	-57.1	Pass
7209.0	8	Horizontal	-52.9	-13.0	-39.9	Pass
10848.0	157	Horizontal	-57.1	-13.0	-44.1	Pass
14341.5	130	Horizontal	-50.6	-13.0	-37.6	Pass
199.5	24	Vertical	-70.9	-13.0	-57.9	Pass
695.3	144	Vertical	-74.5	-13.0	-61.5	Pass
961.2	101	Vertical	-70.4	-13.0	-57.4	Pass
7301.1	71	Vertical	-53.4	-13.0	-40.4	Pass
10792.4	2	Vertical	-54.9	-13.0	-41.9	Pass
14351.1	256	Vertical	-55.3	-13.0	-42.3	Pass

5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
227.2	117	Horizontal	-73.4	-13.0	-60.4	Pass
528.0	329	Horizontal	-70.8	-13.0	-57.8	Pass
913.2	134	Horizontal	-69.8	-13.0	-56.8	Pass
7371.6	213	Horizontal	-54.4	-13.0	-41.4	Pass
10948.6	45	Horizontal	-56.7	-13.0	-43.7	Pass
14578.9	267	Horizontal	-54.2	-13.0	-41.2	Pass
219.8	157	Vertical	-70.0	-13.0	-57.0	Pass
629.7	120	Vertical	-72.1	-13.0	-59.1	Pass
991.2	163	Vertical	-69.2	-13.0	-56.2	Pass
7358.1	230	Vertical	-54.3	-13.0	-41.3	Pass
10961.2	23	Vertical	-57.6	-13.0	-44.6	Pass
14683.6	229	Vertical	-56.3	-13.0	-43.3	Pass



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5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
212.1	169	Horizontal	-71.1	-13.0	-58.1	Pass
639.2	254	Horizontal	-71.9	-13.0	-58.9	Pass
907.2	232	Horizontal	-69.5	-13.0	-56.5	Pass
7586.4	276	Horizontal	-59.2	-13.0	-46.2	Pass
11253.2	79	Horizontal	-57.8	-13.0	-44.8	Pass
14836.2	319	Horizontal	-54.4	-13.0	-41.4	Pass
225.2	335	Vertical	-72.2	-13.0	-59.2	Pass
611.6	143	Vertical	-74.1	-13.0	-61.1	Pass
908.7	158	Vertical	-70.0	-13.0	-57.0	Pass
7415.0	305	Vertical	-51.5	-13.0	-38.5	Pass
11247.6	58	Vertical	-59.6	-13.0	-46.6	Pass
14896.8	29	Vertical	-51.5	-13.0	-38.5	Pass

5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 20+20M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
278.3	146	Horizontal	-71.3	-13.0	-58.3	Pass
570.7	112	Horizontal	-71.2	-13.0	-58.2	Pass
867.1	135	Horizontal	-69.3	-13.0	-56.3	Pass
7203.4	26	Horizontal	-52.2	-13.0	-39.2	Pass
10766.3	176	Horizontal	-56.9	-13.0	-43.9	Pass
14368.8	105	Horizontal	-51.7	-13.0	-38.7	Pass
213.4	37	Vertical	-71.6	-13.0	-58.6	Pass
627.7	150	Vertical	-74.6	-13.0	-61.6	Pass
895.7	97	Vertical	-70.5	-13.0	-57.5	Pass
7295.9	63	Vertical	-54.5	-13.0	-41.5	Pass
10860.1	16	Vertical	-55.2	-13.0	-42.2	Pass
14285.1	261	Vertical	-55.7	-13.0	-42.7	Pass



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5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 20+20M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
255.0	107	Horizontal	-73.2	-13.0	-60.2	Pass
618.0	341	Horizontal	-71.0	-13.0	-58.0	Pass
859.6	143	Horizontal	-70.2	-13.0	-57.2	Pass
7416.0	201	Horizontal	-55.0	-13.0	-42.0	Pass
10966.9	54	Horizontal	-57.1	-13.0	-44.1	Pass
14665.9	271	Horizontal	-54.1	-13.0	-41.1	Pass
289.9	140	Vertical	-69.3	-13.0	-56.3	Pass
671.1	127	Vertical	-72.3	-13.0	-59.3	Pass
889.6	166	Vertical	-70.1	-13.0	-57.1	Pass
7327.8	233	Vertical	-54.4	-13.0	-41.4	Pass
10916.2	8	Vertical	-57.9	-13.0	-44.9	Pass
14659.2	231	Vertical	-57.0	-13.0	-44.0	Pass

5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 20+20M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
199.1	165	Horizontal	-71.6	-13.0	-58.6	Pass
601.0	255	Horizontal	-73.2	-13.0	-60.2	Pass
955.8	239	Horizontal	-70.4	-13.0	-57.4	Pass
7473.1	264	Horizontal	-59.8	-13.0	-46.8	Pass
11250.9	89	Horizontal	-57.7	-13.0	-44.7	Pass
14931.7	322	Horizontal	-53.8	-13.0	-40.8	Pass
205.6	329	Vertical	-71.6	-13.0	-58.6	Pass
651.8	143	Vertical	-73.8	-13.0	-60.8	Pass
945.7	151	Vertical	-69.2	-13.0	-56.2	Pass
7498.7	287	Vertical	-52.1	-13.0	-39.1	Pass
11180.7	75	Vertical	-60.7	-13.0	-47.7	Pass
14917.2	35	Vertical	-51.3	-13.0	-38.3	Pass



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5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
240.0	153	Horizontal	-70.9	-13.0	-57.9	Pass
587.6	113	Horizontal	-70.7	-13.0	-57.7	Pass
977.5	133	Horizontal	-69.5	-13.0	-56.5	Pass
7229.3	13	Horizontal	-52.4	-13.0	-39.4	Pass
10789.2	150	Horizontal	-56.9	-13.0	-43.9	Pass
14354.1	128	Horizontal	-51.0	-13.0	-38.0	Pass
320.4	29	Vertical	-71.2	-13.0	-58.2	Pass
596.3	143	Vertical	-74.1	-13.0	-61.1	Pass
958.5	101	Vertical	-70.3	-13.0	-57.3	Pass
7251.3	67	Vertical	-53.8	-13.0	-40.8	Pass
10759.1	10	Vertical	-54.7	-13.0	-41.7	Pass
14304.0	267	Vertical	-55.2	-13.0	-42.2	Pass

5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
198.3	130	Horizontal	-73.5	-13.0	-60.5	Pass
592.2	354	Horizontal	-71.3	-13.0	-58.3	Pass
897.5	142	Horizontal	-69.6	-13.0	-56.6	Pass
7439.9	196	Horizontal	-54.7	-13.0	-41.7	Pass
10923.1	58	Horizontal	-57.3	-13.0	-44.3	Pass
14597.2	259	Horizontal	-54.4	-13.0	-41.4	Pass
280.6	158	Vertical	-69.6	-13.0	-56.6	Pass
654.7	111	Vertical	-73.1	-13.0	-60.1	Pass
948.4	159	Vertical	-70.5	-13.0	-57.5	Pass
7436.9	216	Vertical	-53.7	-13.0	-40.7	Pass
11012.7	16	Vertical	-58.1	-13.0	-45.1	Pass
14570.1	215	Vertical	-57.0	-13.0	-44.0	Pass



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Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
261.4	186	Horizontal	-70.8	-13.0	-57.8	Pass
620.2	259	Horizontal	-72.9	-13.0	-59.9	Pass
933.7	233	Horizontal	-70.2	-13.0	-57.2	Pass
7510.5	277	Horizontal	-60.0	-13.0	-47.0	Pass
11277.0	69	Horizontal	-57.3	-13.0	-44.3	Pass
14922.6	329	Horizontal	-53.7	-13.0	-40.7	Pass
158.8	338	Vertical	-72.2	-13.0	-59.2	Pass
601.3	133	Vertical	-74.0	-13.0	-61.0	Pass
829.4	170	Vertical	-68.5	-13.0	-55.5	Pass
7537.9	295	Vertical	-52.0	-13.0	-39.0	Pass
11219.5	72	Vertical	-60.3	-13.0	-47.3	Pass
14900.9	47	Vertical	-51.5	-13.0	-38.5	Pass

5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
270.9	160	Horizontal	-71.3	-13.0	-58.3	Pass
653.1	119	Horizontal	-71.2	-13.0	-58.2	Pass
927.9	149	Horizontal	-69.6	-13.0	-56.6	Pass
7293.8	19	Horizontal	-51.3	-13.0	-38.3	Pass
10727.5	172	Horizontal	-57.9	-13.0	-44.9	Pass
14282.8	105	Horizontal	-50.9	-13.0	-37.9	Pass
276.4	46	Vertical	-70.5	-13.0	-57.5	Pass
710.5	143	Vertical	-74.7	-13.0	-61.7	Pass
943.9	100	Vertical	-70.9	-13.0	-57.9	Pass
7164.1	67	Vertical	-53.4	-13.0	-40.4	Pass
10789.1	22	Vertical	-54.5	-13.0	-41.5	Pass
14377.4	254	Vertical	-56.2	-13.0	-43.2	Pass



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5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
291.4	117	Horizontal	-73.4	-13.0	-60.4	Pass
599.0	350	Horizontal	-70.7	-13.0	-57.7	Pass
945.1	133	Horizontal	-69.7	-13.0	-56.7	Pass
7340.5	222	Horizontal	-54.8	-13.0	-41.8	Pass
11034.7	44	Horizontal	-57.4	-13.0	-44.4	Pass
14593.7	278	Horizontal	-54.8	-13.0	-41.8	Pass
289.9	164	Vertical	-69.2	-13.0	-56.2	Pass
691.8	98	Vertical	-72.3	-13.0	-59.3	Pass
877.1	154	Vertical	-70.3	-13.0	-57.3	Pass
7352.8	228	Vertical	-54.2	-13.0	-41.2	Pass
11026.8	15	Vertical	-57.9	-13.0	-44.9	Pass
14589.2	212	Vertical	-56.1	-13.0	-43.1	Pass

5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
285.7	177	Horizontal	-71.6	-13.0	-58.6	Pass
508.1	261	Horizontal	-72.7	-13.0	-59.7	Pass
911.5	244	Horizontal	-70.2	-13.0	-57.2	Pass
7435.6	265	Horizontal	-58.9	-13.0	-45.9	Pass
11124.9	92	Horizontal	-57.5	-13.0	-44.5	Pass
14915.9	313	Horizontal	-54.0	-13.0	-41.0	Pass
338.0	331	Vertical	-72.5	-13.0	-59.5	Pass
614.3	128	Vertical	-73.4	-13.0	-60.4	Pass
893.4	158	Vertical	-69.4	-13.0	-56.4	Pass
7523.9	291	Vertical	-52.0	-13.0	-39.0	Pass
11217.7	70	Vertical	-60.3	-13.0	-47.3	Pass
14963.3	19	Vertical	-51.3	-13.0	-38.3	Pass



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5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
321.9	151	Horizontal	-70.2	-13.0	-57.2	Pass
662.9	116	Horizontal	-70.8	-13.0	-57.8	Pass
969.6	129	Horizontal	-69.3	-13.0	-56.3	Pass
7241.8	37	Horizontal	-51.5	-13.0	-38.5	Pass
10868.4	170	Horizontal	-57.1	-13.0	-44.1	Pass
14323.0	126	Horizontal	-51.2	-13.0	-38.2	Pass
278.5	49	Vertical	-71.1	-13.0	-58.1	Pass
644.7	155	Vertical	-74.2	-13.0	-61.2	Pass
961.4	84	Vertical	-69.9	-13.0	-56.9	Pass
7282.1	86	Vertical	-53.3	-13.0	-40.3	Pass
10727.0	4	Vertical	-55.3	-13.0	-42.3	Pass
14299.7	252	Vertical	-56.7	-13.0	-43.7	Pass

5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
247.8	127	Horizontal	-73.2	-13.0	-60.2	Pass
659.8	345	Horizontal	-71.3	-13.0	-58.3	Pass
819.3	128	Horizontal	-69.9	-13.0	-56.9	Pass
7380.5	222	Horizontal	-54.6	-13.0	-41.6	Pass
10972.2	50	Horizontal	-57.5	-13.0	-44.5	Pass
14620.3	263	Horizontal	-54.3	-13.0	-41.3	Pass
312.8	134	Vertical	-69.4	-13.0	-56.4	Pass
618.7	126	Vertical	-72.5	-13.0	-59.5	Pass
910.7	162	Vertical	-69.6	-13.0	-56.6	Pass
7381.9	226	Vertical	-54.2	-13.0	-41.2	Pass
10995.9	26	Vertical	-57.7	-13.0	-44.7	Pass
14621.6	233	Vertical	-57.2	-13.0	-44.2	Pass



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5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
292.6	186	Horizontal	-71.1	-13.0	-58.1	Pass
582.5	278	Horizontal	-72.8	-13.0	-59.8	Pass
845.4	224	Horizontal	-69.8	-13.0	-56.8	Pass
7467.4	283	Horizontal	-60.5	-13.0	-47.5	Pass
11187.4	93	Horizontal	-58.0	-13.0	-45.0	Pass
14965.8	333	Horizontal	-53.3	-13.0	-40.3	Pass
260.1	317	Vertical	-72.0	-13.0	-59.0	Pass
631.8	128	Vertical	-73.7	-13.0	-60.7	Pass
997.8	158	Vertical	-68.5	-13.0	-55.5	Pass
7495.1	282	Vertical	-50.8	-13.0	-37.8	Pass
11252.6	74	Vertical	-60.7	-13.0	-47.7	Pass
14829.9	43	Vertical	-51.7	-13.0	-38.7	Pass

5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10M _ Low channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
314.0	147	Horizontal	-70.5	-13.0	-57.5	Pass
591.8	115	Horizontal	-70.2	-13.0	-57.2	Pass
927.4	139	Horizontal	-69.3	-13.0	-56.3	Pass
7267.3	23	Horizontal	-52.0	-13.0	-39.0	Pass
10806.1	149	Horizontal	-57.4	-13.0	-44.4	Pass
14334.4	116	Horizontal	-51.7	-13.0	-38.7	Pass
162.9	47	Vertical	-71.7	-13.0	-58.7	Pass
627.4	157	Vertical	-74.0	-13.0	-61.0	Pass
1004.6	96	Vertical	-69.7	-13.0	-56.7	Pass
7263.2	66	Vertical	-52.8	-13.0	-39.8	Pass
10786.6	5	Vertical	-54.4	-13.0	-41.4	Pass
14310.4	255	Vertical	-56.3	-13.0	-43.3	Pass



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5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10+10M _ Middle channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
206.0	110	Horizontal	-73.5	-13.0	-60.5	Pass
612.5	332	Horizontal	-70.9	-13.0	-57.9	Pass
922.0	146	Horizontal	-69.3	-13.0	-56.3	Pass
7304.3	205	Horizontal	-53.8	-13.0	-40.8	Pass
11022.9	51	Horizontal	-57.8	-13.0	-44.8	Pass
14700.2	257	Horizontal	-54.3	-13.0	-41.3	Pass
328.7	135	Vertical	-69.2	-13.0	-56.2	Pass
740.4	109	Vertical	-72.8	-13.0	-59.8	Pass
952.4	169	Vertical	-70.0	-13.0	-57.0	Pass
7366.4	205	Vertical	-54.2	-13.0	-41.2	Pass
10959.2	15	Vertical	-57.4	-13.0	-44.4	Pass
14700.6	205	Vertical	-57.1	-13.0	-44.1	Pass

5G NR SCS 30KHz, Non Continuous CA, Nominal Bandwidth: 10+10+10+10+10+10M _ High channel						
Frequency	Spurious Emission Level			Limit	Over limit	Result
(MHz)	(Deg)	Polaxis	(dBm)	dBm	dB	
218.6	165	Horizontal	-71.2	-13.0	-58.2	Pass
642.7	274	Horizontal	-72.5	-13.0	-59.5	Pass
887.6	250	Horizontal	-71.0	-13.0	-58.0	Pass
7494.2	284	Horizontal	-60.5	-13.0	-47.5	Pass
11229.6	102	Horizontal	-58.2	-13.0	-45.2	Pass
14908.7	317	Horizontal	-54.1	-13.0	-41.1	Pass
213.6	329	Vertical	-72.1	-13.0	-59.1	Pass
686.6	134	Vertical	-74.7	-13.0	-61.7	Pass
867.1	160	Vertical	-68.7	-13.0	-55.7	Pass
7505.9	301	Vertical	-52.2	-13.0	-39.2	Pass
11119.4	63	Vertical	-60.2	-13.0	-47.2	Pass
14901.1	45	Vertical	-51.0	-13.0	-38.0	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

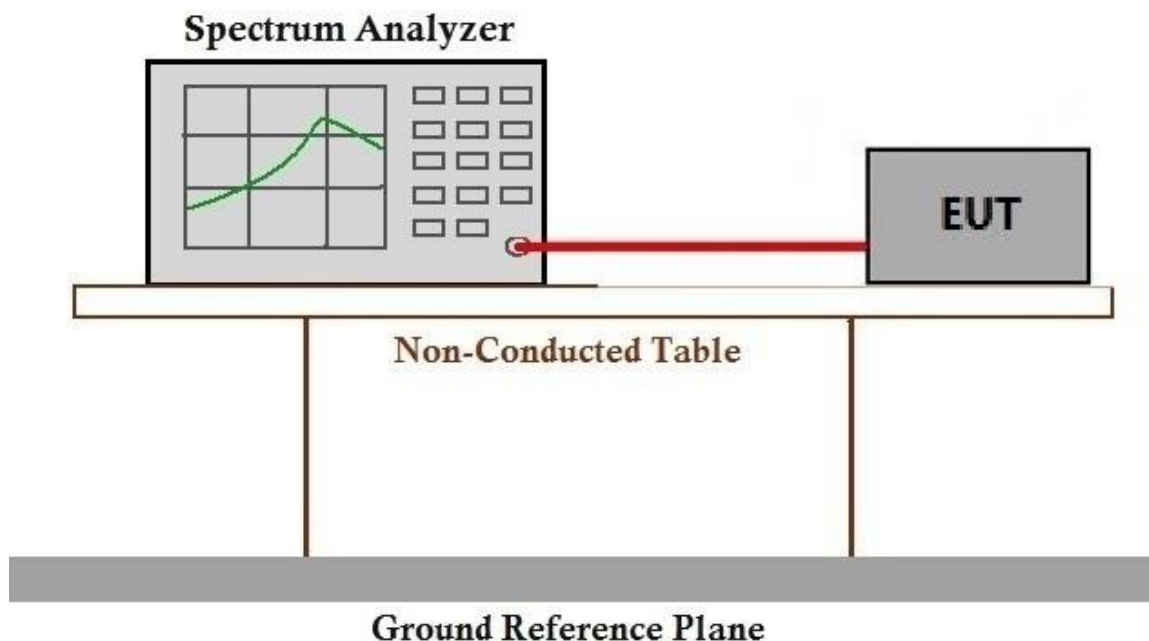
6.7.1 E.U.T. Operation

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 n25 Downlink (Middle Channel 1962.5MHz)

Temperature(°C)	Voltage (V dc)	Frequency Error (Hz)	Tolerance(ppm)
45	48.00	43.56	0.0222
40	48.00	48.92	0.0249
30	48.00	36.77	0.0187
20	48.00	29.86	0.0152
10	48.00	44.58	0.0227
0	48.00	21.48	0.0109
-10	48.00	25.73	0.0131

Frequency Stability vs voltage:

1. Test for 5G NR Band n25 Downlink (Middle Channel 1962.5MHz)

Voltage (V dc)	Temperature(°C)	Frequency Error (Hz)	Tolerance(ppm)
40.20	25	46.85	0.0239
48.00	25	54.68	0.0279
55.80	25	48.97	0.0250

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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