RF TEST REPORT

Applicant	Smawave Technology Co. ,Ltd
FCC ID	2AU8HSRG821
Product	Ruggedized Router
Brand	Smawave
Model	SRG821
Report No.	R2409A1327-R3
Issue Date	November 28, 2024

Eurofins TA Technology (Shanghai) Co., Ltd. tested the above equipment in accordance with the requirements in **FCC CFR47 Part 2/ FCC CFR 47 Part 96E**. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report.

Prepared by: Xu Ying *Approved by: Xu Kai*

Eurofins TA Technology (Shanghai) Co., Ltd.

Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
TEL: +86-021-50791141/2/3
FAX: +86-021-50791141/2/3-8000

TABLE OF CONTENT

Summary of Measurement Results

No.	Test Case	Clause in FCC rules	Verdict
1	Maximum Effective Isotropic Radiated Power and Maximum Power Spectral Density	96.41(b)	PASS (because of the change of antenna gain, ERP/EIRP need to be re-evaluated)
2	Radiated Spurious Emission	2.1051 / 96.41(e)	PASS
3	Occupied Bandwidth	Refer to the Module report (Report No.: ZEWM2306000841RG01; ZEWM2306000841RG02 FCC ID: XMR2023RM520NGL, Grant date: 07/23/2023)	
4	Band Edge Compliance		
5	Peak-to-Average Power Ratio		
6	Frequency Stability		
7	Spurious Emissions at Antenna Terminals		
Date of Testing: September 18, 2024 ~ October 31, 2024 Date of Sample Received: September 12, 2024			
Note: PASS: The EUT complies with the essential requirements in the standard. FAIL: The EUT does not comply with the essential requirements in the standard. All indications of Pass/Fail in this report are opinions expressed by Eurofins TA Technology (Shanghai) Co., Ltd. based on interpretations and/or observations of test results. Measurement Uncertainties were not taken into account and are published for informational purposes only.			

1. Test Laboratory

1.1. Notes of the Test Report

This report shall not be reproduced in full or partial, without the written approval of **Eurofins TA technology (shanghai) co., Ltd.** The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. Measurement Uncertainties were not taken into account and are published for informational purposes only. This report is written to support regulatory compliance of the applicable standards stated above.

1.2. Test Facility

FCC (Designation number: CN1179, Test Firm Registration Number: 446626)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed on the US Federal Communications Commission list of test facilities recognized to perform electromagnetic emissions measurements.

A2LA (Certificate Number: 3857.01)

Eurofins TA Technology (Shanghai) Co., Ltd. has been listed by American Association for Laboratory Accreditation to perform electromagnetic emission measurement.

1.3. Testing Location

Company:	Eurofins TA Technology (Shanghai) Co., Ltd.
Address:	Building 3, No.145, Jintang Rd, Pudong Shanghai, P.R.China
City:	Shanghai
Post code:	201201
Country:	P. R. China
Contact:	Xu Kai
Telephone:	+86-021-50791141/2/3
Fax:	+86-021-50791141/2/3-8000
Website:	https://www.eurofins.com/electrical-and-electronics
E-mail:	Kain.Xu@cpt.eurofinscn.com

2. General Description of Equipment Under Test

2.1. Applicant and Manufacturer Information

Applicant	Smawave Technology Co. ,Ltd.
Applicant address	2/F, Building 8, 1001 North Qinzhou Road，Xuhui District, Shanghai, China
Manufacturer	Smawave Technology Co. ,Ltd.
Manufacturer address	2/F, Building 8, 1001 North Qinzhou Road，Xuhui District, Shanghai, China

2.2. General Information

EUT Description				
Model	SRG821			
Lab internal SN	R2409A1327/S01			
Hardware Version	V1.0			
Software Version	SQX5040_V1.1.4			
Power Supply	AC adapter			
Antenna Type	External Antenna			
Rated Power Supply Voltage	24V			
Operating Voltage	Minimum: 9 V Maximum: 36 V			
Operating Temperature	Lowest: -40°C Highest: +70°C			
Operating Frequency Range(s)	Band	Tx (MHz)	Rx (MHz)	Gain (dBi)
	LTE Band 48	3550 ~ 3700	3550 ~ 3700	-0.94
	NR Band n48	3550 ~ 3700	3550 ~ 3700	-0.94
LTE UL CA Band(s)	CA_48C			
UL-MIMO Band(s)	NR n48			
Test Modulation	(LTE) QPSK, 16QAM, 64QAM, 256QAM; (NR) CP-OFDM: QPSK, 16QAM, 64QAM, 256QAM; DFT-s OFDM: PI/2 BPSK, QPSK, 16QAM, 64QAM, 256QAM			
LTE Category	16			
Maximum E.I.R.P.	LTE Band 48:	22.99 dBm		
	CA_48C	22.55 dBm		
	NR Band n48:	22.76 dBm		
	NR Band n48 (MIMO):	21.40 dBm		
EUT Accessory				
Adapter 1	Manufacturer: SHENZHEN TOPOW ELECTRONICS CO., LTD Model: TPA309-29240-US			
Adapter 2	Manufacturer: Dongguan Sunun Power Co., Ltd Model: SA361V-240150U			

Note: 1. The EUT is sent from the applicant to Eurofins TA and the information of the EUT is declared by the applicant.

3. Applied Standards

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

Test standards:
FCC 47 CFR Part 96E (2023)

FCC CFR47 Part 2 (2023)

Reference standard:
ANSI C63.26-2015

FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

FCC KDB 940660 D01 Part 96 CBRS Eqpt v03

4. Test Configuration

Radiated measurements are performed by rotating the EUT in three different orthogonal test planes. EUT stand-up position (Z axis), lie-down position (X, Y axis). Receiver antenna polarization (horizontal and vertical), the worst emission was found in position (LTE: X axis, horizontal polarization; NR: X axis, vertical polarization) and the worst case was recorded.

All mode and data rates and positions and RB size and modulations were investigated.
Subsequently, only the worst case emissions are reported.
The following testing in different Bandwidth is set to detailin the following table:
Test modes are chosen to be reported as the worst case configuration below for LTE Band:

Test items	Modes	Bandwidth (MHz)						Modulation		RB			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM/ 64QAM/ 256QAM	1	50%	100%	L	M	H
Radiated Spurious Emission	LTE 48	-	-	O	-	-	O	O	-	O	-	-	-	O	-
Note	1. The mark “O” means that this configuration is chosen for testing. 2. The mark “-” means that this configuration is not testing.														

Test modes are chosen to be reported as the worst case configuration below for NR Band:

Test items	Mode	Bandwidth (MHz)													Modulation			RB			Test Channel		
		5	10	15	20	25	30	40	50	60	70	80	90	100	PI/2 BPSK	QPSK	16QAM/ 64QAM/ 256QAM	1	50%	100%	L	M	H
Radiates Spurious Emission	NR n48	-	O	-	-	-	-	O	-	-	-	-	-	-	-	O	-	O	-	-	-	O	-
Note: 1. The mark “O” means that this configuration is chosen for testing. 2. The mark “-” means that this configuration is not testing. 3. Sub 6GHz operates using 15kHz Subcarrier Spacing with both CP-OFDM and DFT-s OFDM waveforms. The band supports PI/2 BPSK ,QPSK, 16QAM, 64QAM, and 256QAM modulation. The test data provided in this report represents the worst case configurations.																							

5. Test Case

5.1. Maximum Effective Isotropic Radiated Power and Maximum Power Spectral Density

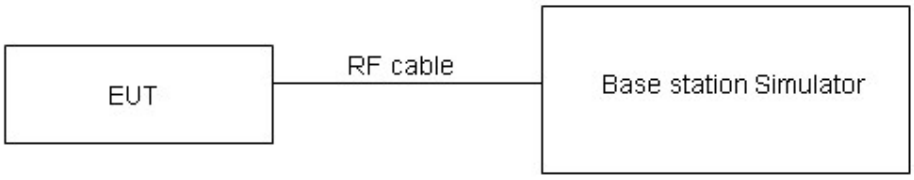
Ambient Condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

Methods of Measurement

The testing follows procedure in Section 5.2 of ANSI C63.26-2015 and KDB 940660 D01 Section 3.2(b)(2).
Determine the EIRP by adding the effective antenna gain to the measured average conducted power level.
The testing follows ANSI C63.26-2015 Section 5.2.5.5

Test Setup



A transmitter port of EUT is connected to the input of a signal analyzer. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Limits

Rule Part 96.41 (b) *Power limits.* Unless otherwise specified in this section, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table in this paragraph (b):

Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a
Category A CBSD	30	20
Category B CBSD[1]	47	37

[1] *Category B CBSDs will only be authorized for use after an ESC is approved and commercially deployed consistent with §§ 96.15 and 96.67.*

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 2, U= 1.19 dB

Test Results

Refer to the section 6.1 of this report for test data.

5.2. Radiated Spurious Emission

Ambient Condition

Temperature	Relative humidity	Pressure
15°C ~ 35°C	20% ~ 80%	86 kPa ~ 106 kPa

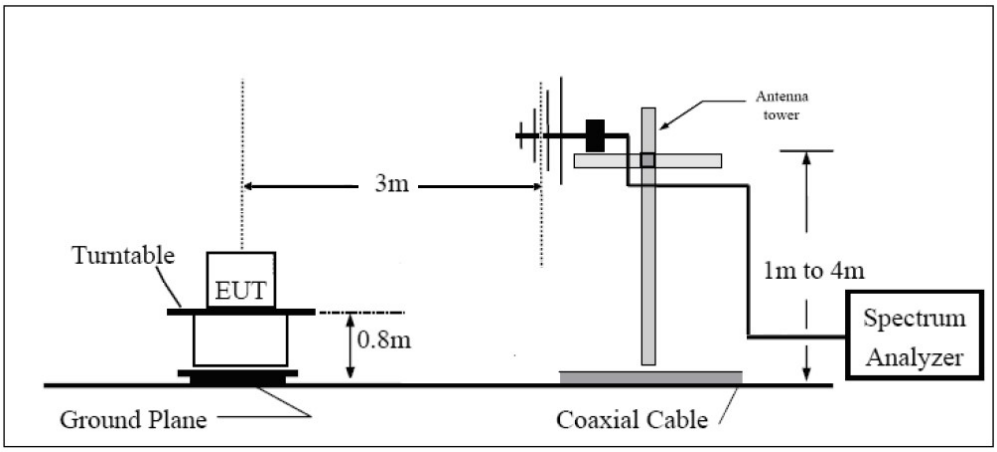
Method of Measurement

1. The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI C63.26 (2015).
2. Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
3. A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
4. The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=1MHz, VBW=3MHz, and the maximum value of the receiver should be recorded as (Pr).
5. The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
6. A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
7. The measurement results are obtained as described below:
Power(EIRP)=PMea- PAg - Pcl + Ga
The measurement results are amend as described below:
Power(EIRP)=PMea- Pcl + Ga
8. This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dBi) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, ERP = EIRP-2.15dBi.

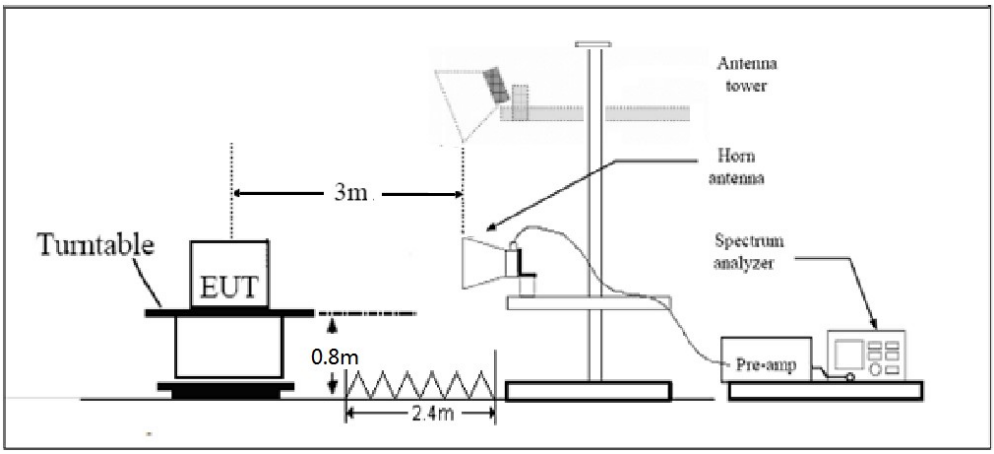
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test Setup

30MHz~~~ 1GHz



Above 1GHz



Note: Area side: 2.4mX3.6m

Limits

Rule Part 96.41(e) (2) specifies that "*Additional protection levels.* Notwithstanding paragraph (e)(1) of this section, for CBSDs and End User Devices, the conducted power of emissions below 3540 MHz or above 3710 MHz shall not exceed −25 dBm/MHz, and the conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed −40dBm/MHz."

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor k = 1.96, U= 3.55 dB.

Test Results

Refer to the section 6.2 of this report for test data.

6. Test Result

6.1. Maximum Effective Isotropic Radiated Powerand Maximum Power Spectral Density

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)
LTE Band 48	5MHZ	QPSK	55265	1RB#0	23.85	22.91
LTE Band 48	5MHz	QPSK	55265	1RB#12	23.91	22.97
LTE Band 48	5MHz	QPSK	55265	1RB#24	23.82	22.88
LTE Band 48	5MHz	QPSK	55265	25RB#0	22.89	21.95
LTE Band 48	5MHz	QPSK	55990	1RB#0	23.31	22.37
LTE Band 48	5MHz	QPSK	55990	1RB#12	23.42	22.48
LTE Band 48	5MHz	QPSK	55990	1RB#24	23.37	22.43
LTE Band 48	5MHz	QPSK	55990	25RB#0	22.37	21.43
LTE Band 48	5MHz	QPSK	56715	1RB#0	23.55	22.61
LTE Band 48	5MHz	QPSK	56715	1RB#12	23.65	22.71
LTE Band 48	5MHz	QPSK	56715	1RB#24	23.57	22.63
LTE Band 48	5MHz	QPSK	56715	25RB#0	22.56	21.62
LTE Band 48	5MHz	16QAM	55265	1RB#0	22.87	21.93
LTE Band 48	5MHz	16QAM	55265	1RB#12	22.97	22.03
LTE Band 48	5MHz	16QAM	55265	1RB#24	22.97	22.03
LTE Band 48	5MHz	16QAM	55265	25RB#0	21.86	20.92
LTE Band 48	5MHz	16QAM	55990	1RB#0	22.40	21.46
LTE Band 48	5MHz	16QAM	55990	1RB#12	22.51	21.57
LTE Band 48	5MHz	16QAM	55990	1RB#24	22.46	21.52
LTE Band 48	5MHz	16QAM	55990	25RB#0	21.38	20.44
LTE Band 48	5MHz	16QAM	56715	1RB#0	22.62	21.68
LTE Band 48	5MHz	16QAM	56715	1RB#12	22.72	21.78
LTE Band 48	5MHz	16QAM	56715	1RB#24	22.63	21.69
LTE Band 48	5MHz	16QAM	56715	25RB#0	21.55	20.61
LTE Band 48	5MHz	64QAM	55265	1RB#0	22.85	21.91
LTE Band 48	5MHz	64QAM	55265	1RB#12	22.85	21.91
LTE Band 48	5MHz	64QAM	55265	1RB#24	22.74	21.80
LTE Band 48	5MHz	64QAM	55265	25RB#0	21.90	20.96
LTE Band 48	5MHz	64QAM	55990	1RB#0	22.18	21.24
LTE Band 48	5MHz	64QAM	55990	1RB#12	22.34	21.40
LTE Band 48	5MHz	64QAM	55990	1RB#24	22.34	21.40
LTE Band 48	5MHz	64QAM	55990	25RB#0	21.40	20.46
LTE Band 48	5MHz	64QAM	56715	1RB#0	22.56	21.62
LTE Band 48	5MHz	64QAM	56715	1RB#12	22.73	21.79
LTE Band 48	5MHz	64QAM	56715	1RB#24	22.54	21.60

LTE Band 48	5MHz	64QAM	56715	25RB#0	21.54	20.60
LTE Band 48	10MHz	QPSK	55290	1RB#0	23.82	22.88
LTE Band 48	10MHz	QPSK	55290	1RB#24	23.89	22.95
LTE Band 48	10MHz	QPSK	55290	1RB#49	23.93	22.99
LTE Band 48	10MHz	QPSK	55290	50RB#0	22.94	22.00
LTE Band 48	10MHz	QPSK	55990	1RB#0	23.30	22.36
LTE Band 48	10MHz	QPSK	55990	1RB#24	23.38	22.44
LTE Band 48	10MHz	QPSK	55990	1RB#49	23.48	22.54
LTE Band 48	10MHz	QPSK	55990	50RB#0	22.35	21.41
LTE Band 48	10MHz	QPSK	56690	1RB#0	23.62	22.68
LTE Band 48	10MHz	QPSK	56690	1RB#24	23.68	22.74
LTE Band 48	10MHz	QPSK	56690	1RB#49	23.61	22.67
LTE Band 48	10MHz	QPSK	56690	50RB#0	22.66	21.72
LTE Band 48	10MHz	16QAM	55290	1RB#0	22.92	21.98
LTE Band 48	10MHz	16QAM	55290	1RB#24	22.84	21.90
LTE Band 48	10MHz	16QAM	55290	1RB#49	22.88	21.94
LTE Band 48	10MHz	16QAM	55290	50RB#0	21.90	20.96
LTE Band 48	10MHz	16QAM	55990	1RB#0	22.30	21.36
LTE Band 48	10MHz	16QAM	55990	1RB#24	22.44	21.50
LTE Band 48	10MHz	16QAM	55990	1RB#49	22.50	21.56
LTE Band 48	10MHz	16QAM	55990	50RB#0	21.34	20.40
LTE Band 48	10MHz	16QAM	56690	1RB#0	22.75	21.81
LTE Band 48	10MHz	16QAM	56690	1RB#24	22.62	21.68
LTE Band 48	10MHz	16QAM	56690	1RB#49	22.67	21.73
LTE Band 48	10MHz	16QAM	56690	50RB#0	21.66	20.72
LTE Band 48	10MHz	64QAM	55290	1RB#0	21.78	20.84
LTE Band 48	10MHz	64QAM	55290	1RB#24	21.95	21.01
LTE Band 48	10MHz	64QAM	55290	1RB#49	22.04	21.10
LTE Band 48	10MHz	64QAM	55290	50RB#0	20.90	19.96
LTE Band 48	10MHz	64QAM	55990	1RB#0	21.27	20.33
LTE Band 48	10MHz	64QAM	55990	1RB#24	21.40	20.46
LTE Band 48	10MHz	64QAM	55990	1RB#49	21.45	20.51
LTE Band 48	10MHz	64QAM	55990	50RB#0	20.32	19.38
LTE Band 48	10MHz	64QAM	56690	1RB#0	21.69	20.75
LTE Band 48	10MHz	64QAM	56690	1RB#24	21.75	20.81
LTE Band 48	10MHz	64QAM	56690	1RB#49	21.62	20.68
LTE Band 48	10MHz	64QAM	56690	50RB#0	20.68	19.74
LTE Band 48	15MHz	QPSK	55315	1RB#0	23.70	22.76
LTE Band 48	15MHz	QPSK	55315	1RB#38	23.72	22.78
LTE Band 48	15MHz	QPSK	55315	1RB#74	23.72	22.78
LTE Band 48	15MHz	QPSK	55315	75RB#0	22.80	21.86
LTE Band 48	5MHz	QPSK	55990	1RB#0	23.17	22.23
LTE Band 48	15MHz	QPSK	55990	1RB#38	23.20	22.26

LTE Band 48	15MHz	QPSK	55990	1RB#74	23.20	22.26
LTE Band 48	15MHz	QPSK	55990	75RB#0	22.23	21.29
LTE Band 48	15MHz	QPSK	56665	1RB#0	23.45	22.51
LTE Band 48	15MHz	QPSK	56665	1RB#38	23.49	22.55
LTE Band 48	15MHz	QPSK	56665	1RB#74	23.37	22.43
LTE Band 48	15MHz	QPSK	56665	75RB#0	22.55	21.61
LTE Band 48	15MHz	16QAM	55315	1RB#0	22.63	21.69
LTE Band 48	15MHz	16QAM	55315	1RB#38	22.67	21.73
LTE Band 48	15MHz	16QAM	55315	1RB#74	22.66	21.72
LTE Band 48	15MHz	16QAM	55315	75RB#0	21.79	20.85
LTE Band 48	15MHz	16QAM	55990	1RB#0	22.13	21.19
LTE Band 48	15MHz	16QAM	55990	1RB#38	22.22	21.28
LTE Band 48	15MHz	16QAM	55990	1RB#74	22.27	21.33
LTE Band 48	15MHz	16QAM	55990	75RB#0	21.21	20.27
LTE Band 48	15MHz	16QAM	56665	1RB#0	22.39	21.45
LTE Band 48	15MHz	16QAM	56665	1RB#38	22.49	21.55
LTE Band 48	15MHz	16QAM	56665	1RB#74	22.42	21.48
LTE Band 48	15MHz	16QAM	56665	75RB#0	21.56	20.62
LTE Band 48	15MHz	64QAM	55315	1RB#0	21.60	20.66
LTE Band 48	15MHz	64QAM	55315	1RB#38	21.65	20.71
LTE Band 48	15MHz	64QAM	55315	1RB#74	21.63	20.69
LTE Band 48	15MHz	64QAM	55315	75RB#0	20.82	19.88
LTE Band 48	15MHz	64QAM	55990	1RB#0	21.16	20.22
LTE Band 48	15MHz	64QAM	55990	1RB#38	21.21	20.27
LTE Band 48	15MHz	64QAM	55990	1RB#74	21.18	20.24
LTE Band 48	15MHz	64QAM	55990	75RB#0	20.24	19.30
LTE Band 48	15MHz	64QAM	56665	1RB#0	21.41	20.47
LTE Band 48	15MHz	64QAM	56665	1RB#38	21.36	20.42
LTE Band 48	15MHz	64QAM	56665	1RB#74	21.33	20.39
LTE Band 48	15MHz	64QAM	56665	75RB#0	20.60	19.66
LTE Band 48	20MHz	QPSK	55340	1RB#0	23.72	22.78
LTE Band 48	20MHz	QPSK	55340	1RB#49	23.74	22.80
LTE Band 48	20MHz	QPSK	55340	1RB#99	23.73	22.79
LTE Band 48	20MHz	QPSK	55340	100RB#0	22.81	21.87
LTE Band 48	20MHz	QPSK	55990	1RB#0	23.10	22.16
LTE Band 48	20MHz	QPSK	55990	1RB#49	23.21	22.27
LTE Band 48	20MHz	QPSK	55990	1RB#99	23.26	22.32
LTE Band 48	20MHz	QPSK	55990	100RB#0	22.25	21.31
LTE Band 48	20MHz	QPSK	56640	1RB#0	23.37	22.43
LTE Band 48	20MHz	QPSK	56640	1RB#49	23.50	22.56
LTE Band 48	20MHz	QPSK	56640	1RB#99	23.39	22.45
LTE Band 48	20MHz	QPSK	56640	100RB#0	22.50	21.56
LTE Band 48	20MHz	16QAM	55340	1RB#0	22.59	21.65

LTE Band 48	20MHz	16QAM	55340	1RB#49	23.00	22.06
LTE Band 48	20MHz	16QAM	55340	1RB#99	22.82	21.88
LTE Band 48	20MHz	16QAM	55340	100RB#0	21.81	20.87
LTE Band 48	20MHZ	16QAM	55990	1RB#0	22.03	21.09
LTE Band 48	20MHz	16QAM	55990	1RB#49	22.19	21.25
LTE Band 48	20MHz	16QAM	55990	1RB#99	22.29	21.35
LTE Band 48	20MHz	16QAM	55990	100RB#0	21.25	20.31
LTE Band 48	20MHz	16QAM	56640	1RB#0	22.33	21.39
LTE Band 48	20MHz	16QAM	56640	1RB#49	22.58	21.64
LTE Band 48	20MHz	16QAM	56640	1RB#99	22.44	21.50
LTE Band 48	20MHz	16QAM	56640	100RB#0	21.48	20.54
LTE Band 48	20MHz	64QAM	55340	1RB#0	21.62	20.68
LTE Band 48	20MHz	64QAM	55340	1RB#49	21.73	20.79
LTE Band 48	20MHz	64QAM	55340	1RB#99	21.81	20.87
LTE Band 48	20MHz	64QAM	55340	100RB#0	20.83	19.89
LTE Band 48	20MHz	64QAM	55990	1RB#0	20.97	20.03
LTE Band 48	20MHz	64QAM	55990	1RB#49	21.32	20.38
LTE Band 48	20MHz	64QAM	55990	1RB#99	21.17	20.23
LTE Band 48	20MHz	64QAM	55990	100RB#0	20.23	19.29
LTE Band 48	20MHz	64QAM	56640	1RB#0	21.33	20.39
LTE Band 48	20MHz	64QAM	56640	1RB#49	21.40	20.46
LTE Band 48	20MHz	64QAM	56640	1RB#99	21.51	20.57
LTE Band 48	20MHz	64QAM	56640	100RB#0	20.49	19.55

Band	Bandwidth	Bandwidth (MHz)	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)
CA_48C	5MHz-20MHz	25	QPSK-QPSK	55273-55390	1RB#0-0RB#0	23.49	22.55
CA_48C	5MHz-20MHz	25	16QAM-16QAM	55273-55390	1RB#0-0RB#0	22.40	21.46
CA_48C	5MHz-20MHz	25	64QAM-64QAM	55273-55390	1RB#0-0RB#0	21.54	20.60
CA_48C	5MHz-20MHz	25	256QAM-256QAM	55273-55390	1RB#0-0RB#0	18.46	17.52
CA_48C	5MHz-20MHz	25	QPSK-QPSK	55273-55390	25RB#0-100RB#0	22.31	21.37
CA_48C	5MHz-20MHz	25	16QAM-16QAM	55273-55390	25RB#0-100RB#0	21.33	20.39
CA_48C	5MHz-20MHz	25	64QAM-64QAM	55273-55390	25RB#0-100RB#0	21.29	20.35
CA_48C	5MHz-20MHz	25	256QAM-256QAM	55273-55390	25RB#0-100RB#0	19.32	18.38
CA_48C	5MHz-20MHz	25	QPSK-QPSK	55898-56015	1RB#0-0RB#0	23.10	22.16
CA_48C	5MHz-20MHz	25	16QAM-16QAM	55898-56015	1RB#0-0RB#0	22.04	21.10
CA_48C	5MHz-20MHz	25	64QAM-64QAM	55898-56015	1RB#0-0RB#0	21.08	20.14
CA_48C	5MHz-20MHz	25	256QAM-256QAM	55898-56015	1RB#0-0RB#0	18.10	17.16
CA_48C	5MHz-20MHz	25	QPSK-QPSK	55898-56015	25RB#0-100RB#0	21.89	20.95
CA_48C	5MHz-20MHz	25	16QAM-16QAM	55898-56015	25RB#0-100RB#0	20.90	19.96
CA_48C	5MHz-20MHz	25	64QAM-64QAM	55898-56015	25RB#0-100RB#0	20.90	19.96
CA_48C	5MHz-20MHz	25	256QAM-256QAM	55898-56015	25RB#0-100RB#0	18.91	17.97
CA_48C	5MHz-20MHz	25	QPSK-QPSK	56523-56640	1RB#0-0RB#0	23.28	22.34

CA_48C	5MHz-20MHz	25	16QAM-16QAM	56523-56640	1RB#0-0RB#0	22.21	21.27
CA_48C	5MHz-20MHz	25	64QAM-64QAM	56523-56640	1RB#0-0RB#0	21.37	20.43
CA_48C	5MHz-20MHz	25	256QAM-256QAM	56523-56640	1RB#0-0RB#0	18.24	17.30
CA_48C	5MHz-20MHz	25	QPSK-QPSK	56523-56640	25RB#0-100RB#0	22.10	21.16
CA_48C	5MHz-20MHz	25	16QAM-16QAM	56523-56640	25RB#0-100RB#0	21.09	20.15
CA_48C	5MHz-20MHz	25	64QAM-64QAM	56523-56640	25RB#0-100RB#0	21.08	20.14
CA_48C	5MHz-20MHz	25	256QAM-256QAM	56523-56640	25RB#0-100RB#0	19.12	18.18
CA_48C	20MHz-5MHz	25	QPSK-QPSK	55340-55457	1RB#0-0RB#0	23.41	22.47
CA_48C	20MHz-5MHz	25	16QAM-16QAM	55340-55457	1RB#0-0RB#0	22.42	21.48
CA_48C	20MHz-5MHz	25	64QAM-64QAM	55340-55457	1RB#0-0RB#0	21.50	20.56
CA_48C	20MHz-5MHz	25	256QAM-256QAM	55340-55457	1RB#0-0RB#0	18.52	17.58
CA_48C	20MHz-5MHz	25	QPSK-QPSK	55340-55457	100RB#0-25RB#0	22.34	21.40
CA_48C	20MHz-5MHz	25	16QAM-16QAM	55340-55457	100RB#0-25RB#0	21.32	20.38
CA_48C	20MHz-5MHz	25	64QAM-64QAM	55340-55457	100RB#0-25RB#0	21.34	20.40
CA_48C	20MHz-5MHz	25	256QAM-256QAM	55340-55457	100RB#0-25RB#0	19.38	18.44
CA_48C	20MHz-5MHz	25	QPSK-QPSK	55965-56082	1RB#0-0RB#0	23.01	22.07
CA_48C	20MHz-5MHz	25	16QAM-16QAM	55965-56082	1RB#0-0RB#0	21.98	21.04
CA_48C	20MHz-5MHz	25	64QAM-64QAM	55965-56082	1RB#0-0RB#0	21.18	20.24
CA_48C	20MHz-5MHz	25	256QAM-256QAM	55965-56082	1RB#0-0RB#0	18.04	17.10
CA_48C	20MHz-5MHz	25	QPSK-QPSK	55965-56082	100RB#0-25RB#0	21.92	20.98
CA_48C	20MHz-5MHz	25	16QAM-16QAM	55965-56082	100RB#0-25RB#0	20.94	20.00
CA_48C	20MHz-5MHz	25	64QAM-64QAM	55965-56082	100RB#0-25RB#0	20.93	19.99
CA_48C	20MHz-5MHz	25	256QAM-256QAM	55965-56082	100RB#0-25RB#0	18.95	18.01
CA_48C	20MHz-5MHz	25	QPSK-QPSK	56590-56707	1RB#0-0RB#0	23.21	22.27
CA_48C	20MHz-5MHz	25	16QAM-16QAM	56590-56707	1RB#0-0RB#0	22.09	21.15
CA_48C	20MHz-5MHz	25	64QAM-64QAM	56590-56707	1RB#0-0RB#0	21.32	20.38
CA_48C	20MHz-5MHz	25	256QAM-256QAM	56590-56707	1RB#0-0RB#0	18.33	17.39
CA_48C	20MHz-5MHz	25	QPSK-QPSK	56590-56707	100RB#0-25RB#0	22.09	21.15
CA_48C	20MHz-5MHz	25	16QAM-16QAM	56590-56707	100RB#0-25RB#0	21.11	20.17
CA_48C	20MHz-5MHz	25	64QAM-64QAM	56590-56707	100RB#0-25RB#0	21.10	20.16
CA_48C	20MHz-5MHz	25	256QAM-256QAM	56590-56707	100RB#0-25RB#0	19.14	18.20
CA_48C	10MHz-20MHz	30	QPSK-QPSK	55295-55439	1RB#0-0RB#0	20.78	19.84
CA_48C	10MHz-20MHz	30	16QAM-16QAM	55295-55439	1RB#0-0RB#0	22.40	21.46
CA_48C	10MHz-20MHz	30	64QAM-64QAM	55295-55439	1RB#0-0RB#0	21.62	20.68
CA_48C	10MHz-20MHz	30	256QAM-256QAM	55295-55439	1RB#0-0RB#0	18.49	17.55
CA_48C	10MHz-20MHz	30	QPSK-QPSK	55295-55439	50RB#0-100RB#0	22.38	21.44
CA_48C	10MHz-20MHz	30	16QAM-16QAM	55295-55439	50RB#0-100RB#0	21.35	20.41
CA_48C	10MHz-20MHz	30	64QAM-64QAM	55295-55439	50RB#0-100RB#0	21.38	20.44
CA_48C	10MHz-20MHz	30	256QAM-256QAM	55295-55439	50RB#0-100RB#0	19.39	18.45
CA_48C	10MHz-20MHz	30	QPSK-QPSK	55896-56040	1RB#0-0RB#0	23.09	22.15
CA_48C	10MHz-20MHz	30	16QAM-16QAM	55896-56040	1RB#0-0RB#0	22.01	21.07
CA_48C	10MHz-20MHz	30	64QAM-64QAM	55896-56040	1RB#0-0RB#0	21.22	20.28
CA_48C	10MHz-20MHz	30	256QAM-256QAM	55896-56040	1RB#0-0RB#0	18.12	17.18

CA_48C	10MHz-20MHz	30	QPSK-QPSK	55896-56040	50RB#0-100RB#0	21.94	21.00
CA_48C	10MHz-20MHz	30	16QAM-16QAM	55896-56040	50RB#0-100RB#0	20.90	19.96
CA_48C	10MHz-20MHz	30	64QAM-64QAM	55896-56040	50RB#0-100RB#0	20.94	20.00
CA_48C	10MHz-20MHz	30	256QAM-256QAM	55896-56040	50RB#0-100RB#0	18.96	18.02
CA_48C	10MHz-20MHz	30	QPSK-QPSK	56496-56640	1RB#0-0RB#0	20.61	19.67
CA_48C	10MHz-20MHz	30	16QAM-16QAM	56496-56640	1RB#0-0RB#0	22.26	21.32
CA_48C	10MHz-20MHz	30	64QAM-64QAM	56496-56640	1RB#0-0RB#0	21.33	20.39
CA_48C	10MHz-20MHz	30	256QAM-256QAM	56496-56640	1RB#0-0RB#0	18.31	17.37
CA_48C	10MHz-20MHz	30	QPSK-QPSK	56496-56640	50RB#0-100RB#0	22.10	21.16
CA_48C	10MHz-20MHz	30	16QAM-16QAM	56496-56640	50RB#0-100RB#0	21.11	20.17
CA_48C	10MHz-20MHz	30	64QAM-64QAM	56496-56640	50RB#0-100RB#0	21.09	20.15
CA_48C	10MHz-20MHz	30	256QAM-256QAM	56496-56640	50RB#0-100RB#0	19.14	18.20
CA_48C	20MHz-10MHz	30	QPSK-QPSK	55340-55484	1RB#0-0RB#0	23.41	22.47
CA_48C	20MHz-10MHz	30	16QAM-16QAM	55340-55484	1RB#0-0RB#0	22.47	21.53
CA_48C	20MHz-10MHz	30	64QAM-64QAM	55340-55484	1RB#0-0RB#0	21.57	20.63
CA_48C	20MHz-10MHz	30	256QAM-256QAM	55340-55484	1RB#0-0RB#0	18.56	17.62
CA_48C	20MHz-10MHz	30	QPSK-QPSK	55340-55484	100RB#0-50RB#0	22.36	21.42
CA_48C	20MHz-10MHz	30	16QAM-16QAM	55340-55484	100RB#0-50RB#0	21.35	20.41
CA_48C	20MHz-10MHz	30	64QAM-64QAM	55340-55484	100RB#0-50RB#0	21.35	20.41
CA_48C	20MHz-10MHz	30	256QAM-256QAM	55340-55484	100RB#0-50RB#0	19.36	18.42
CA_48C	20MHz-10MHz	30	QPSK-QPSK	55941-56085	1RB#0-0RB#0	23.04	22.10
CA_48C	20MHz-10MHz	30	16QAM-16QAM	55941-56085	1RB#0-0RB#0	21.99	21.05
CA_48C	20MHz-10MHz	30	64QAM-64QAM	55941-56085	1RB#0-0RB#0	21.09	20.15
CA_48C	20MHz-10MHz	30	256QAM-256QAM	55941-56085	1RB#0-0RB#0	18.03	17.09
CA_48C	20MHz-10MHz	30	QPSK-QPSK	55941-56085	100RB#0-50RB#0	21.96	21.02
CA_48C	20MHz-10MHz	30	16QAM-16QAM	55941-56085	100RB#0-50RB#0	20.96	20.02
CA_48C	20MHz-10MHz	30	64QAM-64QAM	55941-56085	100RB#0-50RB#0	20.96	20.02
CA_48C	20MHz-10MHz	30	256QAM-256QAM	55941-56085	100RB#0-50RB#0	18.97	18.03
CA_48C	20MHz-10MHz	30	QPSK-QPSK	56541-56685	1RB#0-0RB#0	23.22	22.28
CA_48C	20MHz-10MHz	30	16QAM-16QAM	56541-56685	1RB#0-0RB#0	22.20	21.26
CA_48C	20MHz-10MHz	30	64QAM-64QAM	56541-56685	1RB#0-0RB#0	21.32	20.38
CA_48C	20MHz-10MHz	30	256QAM-256QAM	56541-56685	1RB#0-0RB#0	18.23	17.29
CA_48C	20MHz-10MHz	30	QPSK-QPSK	56541-56685	100RB#0-50RB#0	22.07	21.13
CA_48C	20MHz-10MHz	30	16QAM-16QAM	56541-56685	100RB#0-50RB#0	21.09	20.15
CA_48C	20MHz-10MHz	30	64QAM-64QAM	56541-56685	100RB#0-50RB#0	21.10	20.16
CA_48C	20MHz-10MHz	30	256QAM-256QAM	56541-56685	100RB#0-50RB#0	19.12	18.18
CA_48C	15MHz-20MHz	35	QPSK-QPSK	55318-55489	1RB#0-0RB#0	23.42	22.48
CA_48C	15MHz-20MHz	35	16QAM-16QAM	55318-55489	1RB#0-0RB#0	22.42	21.48
CA_48C	15MHz-20MHz	35	64QAM-64QAM	55318-55489	1RB#0-0RB#0	21.47	20.53
CA_48C	15MHz-20MHz	35	256QAM-256QAM	55318-55489	1RB#0-0RB#0	18.35	17.41
CA_48C	15MHz-20MHz	35	QPSK-QPSK	55318-55489	75RB#0-100RB#0	22.31	21.37
CA_48C	15MHz-20MHz	35	16QAM-16QAM	55318-55489	75RB#0-100RB#0	21.35	20.41
CA_48C	15MHz-20MHz	35	64QAM-64QAM	55318-55489	75RB#0-100RB#0	21.30	20.36

CA_48C	15MHz-20MHz	35	256QAM-256QAM	55318-55489	75RB#0-100RB#0	19.34	18.40
CA_48C	15MHz-20MHz	35	QPSK-QPSK	55893-56064	1RB#0-0RB#0	23.05	22.11
CA_48C	15MHz-20MHz	35	16QAM-16QAM	55893-56064	1RB#0-0RB#0	22.05	21.11
CA_48C	15MHz-20MHz	35	64QAM-64QAM	55893-56064	1RB#0-0RB#0	21.18	20.24
CA_48C	15MHz-20MHz	35	256QAM-256QAM	55893-56064	1RB#0-0RB#0	18.02	17.08
CA_48C	15MHz-20MHz	35	QPSK-QPSK	55893-56064	75RB#0-100RB#0	21.90	20.96
CA_48C	15MHz-20MHz	35	16QAM-16QAM	55893-56064	75RB#0-100RB#0	20.95	20.01
CA_48C	15MHz-20MHz	35	64QAM-64QAM	55893-56064	75RB#0-100RB#0	20.92	19.98
CA_48C	15MHz-20MHz	35	256QAM-256QAM	55893-56064	75RB#0-100RB#0	18.94	18.00
CA_48C	15MHz-20MHz	35	QPSK-QPSK	56469-56640	1RB#0-0RB#0	20.55	19.61
CA_48C	15MHz-20MHz	35	16QAM-16QAM	56469-56640	1RB#0-0RB#0	22.18	21.24
CA_48C	15MHz-20MHz	35	64QAM-64QAM	56469-56640	1RB#0-0RB#0	21.32	20.38
CA_48C	15MHz-20MHz	35	256QAM-256QAM	56469-56640	1RB#0-0RB#0	18.33	17.39
CA_48C	15MHz-20MHz	35	QPSK-QPSK	56469-56640	75RB#0-100RB#0	22.11	21.17
CA_48C	15MHz-20MHz	35	16QAM-16QAM	56469-56640	75RB#0-100RB#0	21.11	20.17
CA_48C	15MHz-20MHz	35	64QAM-64QAM	56469-56640	75RB#0-100RB#0	21.16	20.22
CA_48C	15MHz-20MHz	35	256QAM-256QAM	56469-56640	75RB#0-100RB#0	19.12	18.18
CA_48C	20MHz-15MHz	35	QPSK-QPSK	55340-55511	1RB#0-0RB#0	23.41	22.47
CA_48C	20MHz-15MHz	35	16QAM-16QAM	55340-55511	1RB#0-0RB#0	22.39	21.45
CA_48C	20MHz-15MHz	35	64QAM-64QAM	55340-55511	1RB#0-0RB#0	21.52	20.58
CA_48C	20MHz-15MHz	35	256QAM-256QAM	55340-55511	1RB#0-0RB#0	18.44	17.50
CA_48C	20MHz-15MHz	35	QPSK-QPSK	55340-55511	100RB#0-75RB#0	22.30	21.36
CA_48C	20MHz-15MHz	35	16QAM-16QAM	55340-55511	100RB#0-75RB#0	21.33	20.39
CA_48C	20MHz-15MHz	35	64QAM-64QAM	55340-55511	100RB#0-75RB#0	21.30	20.36
CA_48C	20MHz-15MHz	35	256QAM-256QAM	55340-55511	100RB#0-75RB#0	19.35	18.41
CA_48C	20MHz-15MHz	35	QPSK-QPSK	55916-56087	1RB#0-0RB#0	23.03	22.09
CA_48C	20MHz-15MHz	35	16QAM-16QAM	55916-56087	1RB#0-0RB#0	22.04	21.10
CA_48C	20MHz-15MHz	35	64QAM-64QAM	55916-56087	1RB#0-0RB#0	21.20	20.26
CA_48C	20MHz-15MHz	35	256QAM-256QAM	55916-56087	1RB#0-0RB#0	17.95	17.01
CA_48C	20MHz-15MHz	35	QPSK-QPSK	55916-56087	100RB#0-75RB#0	21.94	21.00
CA_48C	20MHz-15MHz	35	16QAM-16QAM	55916-56087	100RB#0-75RB#0	20.93	19.99
CA_48C	20MHz-15MHz	35	64QAM-64QAM	55916-56087	100RB#0-75RB#0	20.93	19.99
CA_48C	20MHz-15MHz	35	256QAM-256QAM	55916-56087	100RB#0-75RB#0	18.95	18.01
CA_48C	20MHz-15MHz	35	QPSK-QPSK	56491-56662	1RB#0-0RB#0	23.21	22.27
CA_48C	20MHz-15MHz	35	16QAM-16QAM	56491-56662	1RB#0-0RB#0	22.24	21.30
CA_48C	20MHz-15MHz	35	64QAM-64QAM	56491-56662	1RB#0-0RB#0	21.37	20.43
CA_48C	20MHz-15MHz	35	256QAM-256QAM	56491-56662	1RB#0-0RB#0	18.28	17.34
CA_48C	20MHz-15MHz	35	QPSK-QPSK	56491-56662	100RB#0-75RB#0	22.10	21.16
CA_48C	20MHz-15MHz	35	16QAM-16QAM	56491-56662	100RB#0-75RB#0	21.10	20.16
CA_48C	20MHz-15MHz	35	64QAM-64QAM	56491-56662	100RB#0-75RB#0	21.09	20.15
CA_48C	20MHz-15MHz	35	256QAM-256QAM	56491-56662	100RB#0-75RB#0	19.11	18.17
CA_48C	20MHz-20MHz	40	QPSK-QPSK	55340-55538	1RB#0-0RB#0	23.38	22.44
CA_48C	20MHz-20MHz	40	16QAM-16QAM	55340-55538	1RB#0-0RB#0	22.44	21.50

CA_48C	20MHz-20MHz	40	64QAM-64QAM	55340-55538	1RB#0-0RB#0	21.62	20.68
CA_48C	20MHz-20MHz	40	256QAM-256QAM	55340-55538	1RB#0-0RB#0	18.39	17.45
CA_48C	20MHz-20MHz	40	QPSK-QPSK	55340-55538	100RB#0-100RB#0	22.31	21.37
CA_48C	20MHz-20MHz	40	16QAM-16QAM	55340-55538	100RB#0-100RB#0	21.31	20.37
CA_48C	20MHz-20MHz	40	64QAM-64QAM	55340-55538	100RB#0-100RB#0	21.33	20.39
CA_48C	20MHz-20MHz	40	256QAM-256QAM	55340-55538	100RB#0-100RB#0	19.31	18.37
CA_48C	20MHz-20MHz	40	QPSK-QPSK	55891-56089	1RB#0-0RB#0	23.10	22.16
CA_48C	20MHz-20MHz	40	16QAM-16QAM	55891-56089	1RB#0-0RB#0	22.06	21.12
CA_48C	20MHz-20MHz	40	64QAM-64QAM	55891-56089	1RB#0-0RB#0	21.18	20.24
CA_48C	20MHz-20MHz	40	256QAM-256QAM	55891-56089	1RB#0-0RB#0	18.07	17.13
CA_48C	20MHz-20MHz	40	QPSK-QPSK	55891-56089	100RB#0-100RB#0	21.95	21.01
CA_48C	20MHz-20MHz	40	16QAM-16QAM	55891-56089	100RB#0-100RB#0	20.95	20.01
CA_48C	20MHz-20MHz	40	64QAM-64QAM	55891-56089	100RB#0-100RB#0	20.92	19.98
CA_48C	20MHz-20MHz	40	256QAM-256QAM	55891-56089	100RB#0-100RB#0	18.97	18.03
CA_48C	20MHz-20MHz	40	QPSK-QPSK	56442-56640	1RB#0-0RB#0	23.25	22.31
CA_48C	20MHz-20MHz	40	16QAM-16QAM	56442-56640	1RB#0-0RB#0	22.21	21.27
CA_48C	20MHz-20MHz	40	64QAM-64QAM	56442-56640	1RB#0-0RB#0	21.33	20.39
CA_48C	20MHz-20MHz	40	256QAM-256QAM	56442-56640	1RB#0-0RB#0	18.09	17.15
CA_48C	20MHz-20MHz	40	QPSK-QPSK	56442-56640	100RB#0-100RB#0	22.13	21.19
CA_48C	20MHz-20MHz	40	16QAM-16QAM	56442-56640	100RB#0-100RB#0	21.13	20.19
CA_48C	20MHz-20MHz	40	64QAM-64QAM	56442-56640	100RB#0-100RB#0	21.14	20.20
CA_48C	20MHz-20MHz	40	256QAM-256QAM	56442-56640	100RB#0-100RB#0	19.12	18.18

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	EIRP (dBm)
N48	30	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.39	22.45
N48	30	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.38	22.44
N48	30	10	DFT-PI2BPSK	L	Outer_Full	22.84	21.90
N48	30	10	DFT-QPSK	L	Inner_1RB_Left	23.39	22.45
N48	30	10	DFT-QPSK	L	Inner_1RB_Right	23.35	22.41
N48	30	10	DFT-QPSK	L	Outer_Full	22.38	21.44
N48	30	10	DFT-16QAM	L	Inner_1RB_Left	22.53	21.59
N48	30	10	DFT-16QAM	L	Inner_1RB_Right	22.56	21.62
N48	30	10	DFT-16QAM	L	Outer_Full	21.41	20.47
N48	30	10	DFT-64QAM	L	Inner_1RB_Left	20.89	19.95
N48	30	10	DFT-64QAM	L	Inner_1RB_Right	20.97	20.03
N48	30	10	DFT-64QAM	L	Outer_Full	20.94	20.00
N48	30	10	DFT-256QAM	L	Inner_1RB_Left	18.69	17.75
N48	30	10	DFT-256QAM	L	Inner_1RB_Right	18.69	17.75
N48	30	10	DFT-256QAM	L	Outer_Full	18.79	17.85
N48	30	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.29	22.35
N48	30	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.36	22.42
N48	30	10	DFT-PI2BPSK	M	Outer_Full	22.77	21.83

N48	30	10	DFT-QPSK	M	Inner_1RB_Left	23.29	22.35
N48	30	10	DFT-QPSK	M	Inner_1RB_Right	23.35	22.41
N48	30	10	DFT-QPSK	M	Outer_Full	22.26	21.32
N48	30	10	DFT-16QAM	M	Inner_1RB_Left	22.52	21.58
N48	30	10	DFT-16QAM	M	Inner_1RB_Right	22.52	21.58
N48	30	10	DFT-16QAM	M	Outer_Full	21.37	20.43
N48	30	10	DFT-64QAM	M	Inner_1RB_Left	20.91	19.97
N48	30	10	DFT-64QAM	M	Inner_1RB_Right	20.95	20.01
N48	30	10	DFT-64QAM	M	Outer_Full	20.87	19.93
N48	30	10	DFT-256QAM	M	Inner_1RB_Left	18.62	17.68
N48	30	10	DFT-256QAM	M	Inner_1RB_Right	18.48	17.54
N48	30	10	DFT-256QAM	M	Outer_Full	18.78	17.84
N48	30	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.12	22.18
N48	30	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.25	22.31
N48	30	10	DFT-PI2BPSK	H	Outer_Full	22.68	21.74
N48	30	10	DFT-QPSK	H	Inner_1RB_Left	23.07	22.13
N48	30	10	DFT-QPSK	H	Inner_1RB_Right	23.23	22.29
N48	30	10	DFT-QPSK	H	Outer_Full	22.16	21.22
N48	30	10	DFT-16QAM	H	Inner_1RB_Left	22.27	21.33
N48	30	10	DFT-16QAM	H	Inner_1RB_Right	22.37	21.43
N48	30	10	DFT-16QAM	H	Outer_Full	21.25	20.31
N48	30	10	DFT-64QAM	H	Inner_1RB_Left	20.66	19.72
N48	30	10	DFT-64QAM	H	Inner_1RB_Right	20.70	19.76
N48	30	10	DFT-64QAM	H	Outer_Full	20.73	19.79
N48	30	10	DFT-256QAM	H	Inner_1RB_Left	18.50	17.56
N48	30	10	DFT-256QAM	H	Inner_1RB_Right	18.57	17.63
N48	30	10	DFT-256QAM	H	Outer_Full	18.62	17.68
N48	30	20	DFT-PI2BPSK	L	Inner_1RB_Left	23.60	22.66
N48	30	20	DFT-PI2BPSK	L	Inner_1RB_Right	23.50	22.56
N48	30	20	DFT-PI2BPSK	L	Outer_Full	23.08	22.14
N48	30	20	DFT-QPSK	L	Inner_1RB_Left	23.60	22.66
N48	30	20	DFT-QPSK	L	Inner_1RB_Right	23.50	22.56
N48	30	20	DFT-QPSK	L	Outer_Full	22.58	21.64
N48	30	20	DFT-16QAM	L	Inner_1RB_Left	22.75	21.81
N48	30	20	DFT-16QAM	L	Inner_1RB_Right	22.66	21.72
N48	30	20	DFT-16QAM	L	Outer_Full	21.61	20.67
N48	30	20	DFT-64QAM	L	Inner_1RB_Left	21.22	20.28
N48	30	20	DFT-64QAM	L	Inner_1RB_Right	21.05	20.11
N48	30	20	DFT-64QAM	L	Outer_Full	21.19	20.25
N48	30	20	DFT-256QAM	L	Inner_1RB_Left	18.97	18.03
N48	30	20	DFT-256QAM	L	Inner_1RB_Right	18.81	17.87
N48	30	20	DFT-256QAM	L	Outer_Full	19.06	18.12
N48	30	20	DFT-PI2BPSK	M	Inner_1RB_Left	23.49	22.55

N48	30	20	DFT-PI2BPSK	M	Inner_1RB_Right	23.24	22.30
N48	30	20	DFT-PI2BPSK	M	Outer_Full	22.93	21.99
N48	30	20	DFT-QPSK	M	Inner_1RB_Left	23.45	22.51
N48	30	20	DFT-QPSK	M	Inner_1RB_Right	23.28	22.34
N48	30	20	DFT-QPSK	M	Outer_Full	22.39	21.45
N48	30	20	DFT-16QAM	M	Inner_1RB_Left	22.64	21.70
N48	30	20	DFT-16QAM	M	Inner_1RB_Right	22.60	21.66
N48	30	20	DFT-16QAM	M	Outer_Full	21.42	20.48
N48	30	20	DFT-64QAM	M	Inner_1RB_Left	21.06	20.12
N48	30	20	DFT-64QAM	M	Inner_1RB_Right	20.87	19.93
N48	30	20	DFT-64QAM	M	Outer_Full	20.93	19.99
N48	30	20	DFT-256QAM	M	Inner_1RB_Left	18.82	17.88
N48	30	20	DFT-256QAM	M	Inner_1RB_Right	18.59	17.65
N48	30	20	DFT-256QAM	M	Outer_Full	18.93	17.99
N48	30	20	DFT-PI2BPSK	H	Inner_1RB_Left	23.13	22.19
N48	30	20	DFT-PI2BPSK	H	Inner_1RB_Right	23.36	22.42
N48	30	20	DFT-PI2BPSK	H	Outer_Full	22.67	21.73
N48	30	20	DFT-QPSK	H	Inner_1RB_Left	23.12	22.18
N48	30	20	DFT-QPSK	H	Inner_1RB_Right	23.31	22.37
N48	30	20	DFT-QPSK	H	Outer_Full	22.15	21.21
N48	30	20	DFT-16QAM	H	Inner_1RB_Left	22.26	21.32
N48	30	20	DFT-16QAM	H	Inner_1RB_Right	22.46	21.52
N48	30	20	DFT-16QAM	H	Outer_Full	21.19	20.25
N48	30	20	DFT-64QAM	H	Inner_1RB_Left	20.65	19.71
N48	30	20	DFT-64QAM	H	Inner_1RB_Right	20.89	19.95
N48	30	20	DFT-64QAM	H	Outer_Full	20.70	19.76
N48	30	20	DFT-256QAM	H	Inner_1RB_Left	18.48	17.54
N48	30	20	DFT-256QAM	H	Inner_1RB_Right	18.65	17.71
N48	30	20	DFT-256QAM	H	Outer_Full	18.66	17.72
N48	30	30	DFT-PI2BPSK	L	Inner_1RB_Left	23.66	22.72
N48	30	30	DFT-PI2BPSK	L	Inner_1RB_Right	23.25	22.31
N48	30	30	DFT-PI2BPSK	L	Outer_Full	23.01	22.07
N48	30	30	DFT-QPSK	L	Inner_1RB_Left	23.65	22.71
N48	30	30	DFT-QPSK	L	Inner_1RB_Right	23.31	22.37
N48	30	30	DFT-QPSK	L	Outer_Full	22.54	21.60
N48	30	30	DFT-16QAM	L	Inner_1RB_Left	22.83	21.89
N48	30	30	DFT-16QAM	L	Inner_1RB_Right	22.48	21.54
N48	30	30	DFT-16QAM	L	Outer_Full	21.47	20.53
N48	30	30	DFT-64QAM	L	Inner_1RB_Left	21.17	20.23
N48	30	30	DFT-64QAM	L	Inner_1RB_Right	20.86	19.92
N48	30	30	DFT-64QAM	L	Outer_Full	21.10	20.16
N48	30	30	DFT-256QAM	L	Inner_1RB_Left	19.01	18.07
N48	30	30	DFT-256QAM	L	Inner_1RB_Right	18.75	17.81

N48	30	30	DFT-256QAM	L	Outer_Full	18.96	18.02
N48	30	30	DFT-PI2BPSK	M	Inner_1RB_Left	23.60	22.66
N48	30	30	DFT-PI2BPSK	M	Inner_1RB_Right	23.17	22.23
N48	30	30	DFT-PI2BPSK	M	Outer_Full	22.93	21.99
N48	30	30	DFT-QPSK	M	Inner_1RB_Left	23.70	22.76
N48	30	30	DFT-QPSK	M	Inner_1RB_Right	23.23	22.29
N48	30	30	DFT-QPSK	M	Outer_Full	22.43	21.49
N48	30	30	DFT-16QAM	M	Inner_1RB_Left	22.82	21.88
N48	30	30	DFT-16QAM	M	Inner_1RB_Right	22.43	21.49
N48	30	30	DFT-16QAM	M	Outer_Full	21.47	20.53
N48	30	30	DFT-64QAM	M	Inner_1RB_Left	21.20	20.26
N48	30	30	DFT-64QAM	M	Inner_1RB_Right	20.77	19.83
N48	30	30	DFT-64QAM	M	Outer_Full	21.00	20.06
N48	30	30	DFT-256QAM	M	Inner_1RB_Left	18.97	18.03
N48	30	30	DFT-256QAM	M	Inner_1RB_Right	18.57	17.63
N48	30	30	DFT-256QAM	M	Outer_Full	18.99	18.05
N48	30	30	DFT-PI2BPSK	H	Inner_1RB_Left	23.32	22.38
N48	30	30	DFT-PI2BPSK	H	Inner_1RB_Right	23.26	22.32
N48	30	30	DFT-PI2BPSK	H	Outer_Full	22.73	21.79
N48	30	30	DFT-QPSK	H	Inner_1RB_Left	23.35	22.41
N48	30	30	DFT-QPSK	H	Inner_1RB_Right	23.28	22.34
N48	30	30	DFT-QPSK	H	Outer_Full	22.28	21.34
N48	30	30	DFT-16QAM	H	Inner_1RB_Left	22.39	21.45
N48	30	30	DFT-16QAM	H	Inner_1RB_Right	22.44	21.50
N48	30	30	DFT-16QAM	H	Outer_Full	21.20	20.26
N48	30	30	DFT-64QAM	H	Inner_1RB_Left	20.80	19.86
N48	30	30	DFT-64QAM	H	Inner_1RB_Right	20.81	19.87
N48	30	30	DFT-64QAM	H	Outer_Full	20.77	19.83
N48	30	30	DFT-256QAM	H	Inner_1RB_Left	18.67	17.73
N48	30	30	DFT-256QAM	H	Inner_1RB_Right	18.61	17.67
N48	30	30	DFT-256QAM	H	Outer_Full	18.75	17.81
N48	30	40	DFT-PI2BPSK	L	Inner_1RB_Left	23.61	22.67
N48	30	40	DFT-PI2BPSK	L	Inner_1RB_Right	23.31	22.37
N48	30	40	DFT-PI2BPSK	L	Outer_Full	22.97	22.03
N48	30	40	DFT-QPSK	L	Inner_1RB_Left	23.57	22.63
N48	30	40	DFT-QPSK	L	Inner_1RB_Right	23.39	22.45
N48	30	40	DFT-QPSK	L	Outer_Full	23.23	22.29
N48	30	40	DFT-16QAM	L	Inner_1RB_Left	22.51	21.57
N48	30	40	DFT-16QAM	L	Inner_1RB_Right	22.41	21.47
N48	30	40	DFT-16QAM	L	Outer_Full	22.32	21.38
N48	30	40	DFT-64QAM	L	Inner_1RB_Left	22.58	21.64
N48	30	40	DFT-64QAM	L	Inner_1RB_Right	22.37	21.43
N48	30	40	DFT-64QAM	L	Outer_Full	22.19	21.25

N48	30	40	DFT-256QAM	L	Inner_1RB_Left	18.98	18.04
N48	30	40	DFT-256QAM	L	Inner_1RB_Right	18.88	17.94
N48	30	40	DFT-256QAM	L	Outer_Full	18.97	18.03
N48	30	40	DFT-PI2BPSK	M	Inner_1RB_Left	23.68	22.74
N48	30	40	DFT-PI2BPSK	M	Inner_1RB_Right	23.30	22.36
N48	30	40	DFT-PI2BPSK	M	Outer_Full	22.95	22.01
N48	30	40	DFT-QPSK	M	Inner_1RB_Left	23.70	22.76
N48	30	40	DFT-QPSK	M	Inner_1RB_Right	23.26	22.32
N48	30	40	DFT-QPSK	M	Outer_Full	22.44	21.50
N48	30	40	DFT-16QAM	M	Inner_1RB_Left	22.83	21.89
N48	30	40	DFT-16QAM	M	Inner_1RB_Right	22.34	21.40
N48	30	40	DFT-16QAM	M	Outer_Full	21.50	20.56
N48	30	40	DFT-64QAM	M	Inner_1RB_Left	21.29	20.35
N48	30	40	DFT-64QAM	M	Inner_1RB_Right	20.79	19.85
N48	30	40	DFT-64QAM	M	Outer_Full	20.96	20.02
N48	30	40	DFT-256QAM	M	Inner_1RB_Left	19.05	18.11
N48	30	40	DFT-256QAM	M	Inner_1RB_Right	18.69	17.75
N48	30	40	DFT-256QAM	M	Outer_Full	18.95	18.01
N48	30	40	DFT-PI2BPSK	H	Inner_1RB_Left	23.26	22.32
N48	30	40	DFT-PI2BPSK	H	Inner_1RB_Right	23.49	22.55
N48	30	40	DFT-PI2BPSK	H	Outer_Full	22.81	21.87
N48	30	40	DFT-QPSK	H	Inner_1RB_Left	23.31	22.37
N48	30	40	DFT-QPSK	H	Inner_1RB_Right	23.54	22.60
N48	30	40	DFT-QPSK	H	Outer_Full	22.32	21.38
N48	30	40	DFT-16QAM	H	Inner_1RB_Left	22.47	21.53
N48	30	40	DFT-16QAM	H	Inner_1RB_Right	22.56	21.62
N48	30	40	DFT-16QAM	H	Outer_Full	21.26	20.32
N48	30	40	DFT-64QAM	H	Inner_1RB_Left	20.83	19.89
N48	30	40	DFT-64QAM	H	Inner_1RB_Right	20.93	19.99
N48	30	40	DFT-64QAM	H	Outer_Full	20.78	19.84
N48	30	40	DFT-256QAM	H	Inner_1RB_Left	18.65	17.71
N48	30	40	DFT-256QAM	H	Inner_1RB_Right	18.72	17.78
N48	30	40	DFT-256QAM	H	Outer_Full	18.82	17.88
N48	30	10	CP-QPSK	L	Inner_1RB_Left	19.28	18.34
N48	30	10	CP-QPSK	L	Inner_1RB_Right	19.24	18.30
N48	30	10	CP-QPSK	L	Outer_Full	17.71	16.77
N48	30	10	CP-16QAM	L	Inner_1RB_Left	18.71	17.77
N48	30	10	CP-16QAM	L	Inner_1RB_Right	18.74	17.80
N48	30	10	CP-16QAM	L	Outer_Full	17.66	16.72
N48	30	10	CP-64QAM	L	Inner_1RB_Left	17.34	16.40
N48	30	10	CP-64QAM	L	Inner_1RB_Right	17.33	16.39
N48	30	10	CP-64QAM	L	Outer_Full	17.13	16.19
N48	30	10	CP-256QAM	L	Inner_1RB_Left	14.33	13.39

N48	30	10	CP-256QAM	L	Inner_1RB_Right	14.19	13.25
N48	30	10	CP-256QAM	L	Outer_Full	14.09	13.15
N48	30	10	CP-QPSK	M	Inner_1RB_Left	18.90	17.96
N48	30	10	CP-QPSK	M	Inner_1RB_Right	18.96	18.02
N48	30	10	CP-QPSK	M	Outer_Full	17.43	16.49
N48	30	10	CP-16QAM	M	Inner_1RB_Left	18.49	17.55
N48	30	10	CP-16QAM	M	Inner_1RB_Right	18.52	17.58
N48	30	10	CP-16QAM	M	Outer_Full	17.38	16.44
N48	30	10	CP-64QAM	M	Inner_1RB_Left	17.00	16.06
N48	30	10	CP-64QAM	M	Inner_1RB_Right	17.02	16.08
N48	30	10	CP-64QAM	M	Outer_Full	16.88	15.94
N48	30	10	CP-256QAM	M	Inner_1RB_Left	14.10	13.16
N48	30	10	CP-256QAM	M	Inner_1RB_Right	14.04	13.10
N48	30	10	CP-256QAM	M	Outer_Full	13.84	12.90
N48	30	10	CP-QPSK	H	Inner_1RB_Left	18.93	17.99
N48	30	10	CP-QPSK	H	Inner_1RB_Right	18.91	17.97
N48	30	10	CP-QPSK	H	Outer_Full	17.26	16.32
N48	30	10	CP-16QAM	H	Inner_1RB_Left	18.26	17.32
N48	30	10	CP-16QAM	H	Inner_1RB_Right	18.37	17.43
N48	30	10	CP-16QAM	H	Outer_Full	17.29	16.35
N48	30	10	CP-64QAM	H	Inner_1RB_Left	16.89	15.95
N48	30	10	CP-64QAM	H	Inner_1RB_Right	16.93	15.99
N48	30	10	CP-64QAM	H	Outer_Full	16.74	15.80
N48	30	10	CP-256QAM	H	Inner_1RB_Left	13.82	12.88
N48	30	10	CP-256QAM	H	Inner_1RB_Right	13.84	12.90
N48	30	10	CP-256QAM	H	Outer_Full	13.65	12.71
N48	30	20	CP-QPSK	L	Inner_1RB_Left	19.58	18.64
N48	30	20	CP-QPSK	L	Inner_1RB_Right	19.51	18.57
N48	30	20	CP-QPSK	L	Outer_Full	17.88	16.94
N48	30	20	CP-16QAM	L	Inner_1RB_Left	19.00	18.06
N48	30	20	CP-16QAM	L	Inner_1RB_Right	19.11	18.17
N48	30	20	CP-16QAM	L	Outer_Full	17.85	16.91
N48	30	20	CP-64QAM	L	Inner_1RB_Left	17.51	16.57
N48	30	20	CP-64QAM	L	Inner_1RB_Right	17.44	16.50
N48	30	20	CP-64QAM	L	Outer_Full	17.42	16.48
N48	30	20	CP-256QAM	L	Inner_1RB_Left	14.63	13.69
N48	30	20	CP-256QAM	L	Inner_1RB_Right	14.47	13.53
N48	30	20	CP-256QAM	L	Outer_Full	14.38	13.44
N48	30	20	CP-QPSK	M	Inner_1RB_Left	19.16	18.22
N48	30	20	CP-QPSK	M	Inner_1RB_Right	19.30	18.36
N48	30	20	CP-QPSK	M	Outer_Full	17.57	16.63
N48	30	20	CP-16QAM	M	Inner_1RB_Left	18.67	17.73
N48	30	20	CP-16QAM	M	Inner_1RB_Right	18.63	17.69

N48	30	20	CP-16QAM	M	Outer_Full	17.56	16.62
N48	30	20	CP-64QAM	M	Inner_1RB_Left	17.28	16.34
N48	30	20	CP-64QAM	M	Inner_1RB_Right	17.19	16.25
N48	30	20	CP-64QAM	M	Outer_Full	17.07	16.13
N48	30	20	CP-256QAM	M	Inner_1RB_Left	14.31	13.37
N48	30	20	CP-256QAM	M	Inner_1RB_Right	14.28	13.34
N48	30	20	CP-256QAM	M	Outer_Full	14.11	13.17
N48	30	20	CP-QPSK	H	Inner_1RB_Left	18.92	17.98
N48	30	20	CP-QPSK	H	Inner_1RB_Right	19.06	18.12
N48	30	20	CP-QPSK	H	Outer_Full	17.38	16.44
N48	30	20	CP-16QAM	H	Inner_1RB_Left	18.38	17.44
N48	30	20	CP-16QAM	H	Inner_1RB_Right	18.44	17.50
N48	30	20	CP-16QAM	H	Outer_Full	17.37	16.43
N48	30	20	CP-64QAM	H	Inner_1RB_Left	16.98	16.04
N48	30	20	CP-64QAM	H	Inner_1RB_Right	17.12	16.18
N48	30	20	CP-64QAM	H	Outer_Full	16.83	15.89
N48	30	20	CP-256QAM	H	Inner_1RB_Left	14.03	13.09
N48	30	20	CP-256QAM	H	Inner_1RB_Right	14.04	13.10
N48	30	20	CP-256QAM	H	Outer_Full	13.91	12.97
N48	30	40	CP-QPSK	L	Inner_1RB_Left	19.48	18.54
N48	30	40	CP-QPSK	L	Inner_1RB_Right	19.08	18.14
N48	30	40	CP-QPSK	L	Outer_Full	17.74	16.80
N48	30	40	CP-16QAM	L	Inner_1RB_Left	19.01	18.07
N48	30	40	CP-16QAM	L	Inner_1RB_Right	18.56	17.62
N48	30	40	CP-16QAM	L	Outer_Full	17.69	16.75
N48	30	40	CP-64QAM	L	Inner_1RB_Left	17.59	16.65
N48	30	40	CP-64QAM	L	Inner_1RB_Right	17.09	16.15
N48	30	40	CP-64QAM	L	Outer_Full	17.24	16.30
N48	30	40	CP-256QAM	L	Inner_1RB_Left	14.58	13.64
N48	30	40	CP-256QAM	L	Inner_1RB_Right	14.25	13.31
N48	30	40	CP-256QAM	L	Outer_Full	14.15	13.21
N48	30	40	CP-QPSK	M	Inner_1RB_Left	19.32	18.38
N48	30	40	CP-QPSK	M	Inner_1RB_Right	19.40	18.46
N48	30	40	CP-QPSK	M	Outer_Full	17.66	16.72
N48	30	40	CP-16QAM	M	Inner_1RB_Left	18.82	17.88
N48	30	40	CP-16QAM	M	Inner_1RB_Right	18.87	17.93
N48	30	40	CP-16QAM	M	Outer_Full	17.64	16.70
N48	30	40	CP-64QAM	M	Inner_1RB_Left	17.37	16.43
N48	30	40	CP-64QAM	M	Inner_1RB_Right	17.35	16.41
N48	30	40	CP-64QAM	M	Outer_Full	17.16	16.22
N48	30	40	CP-256QAM	M	Inner_1RB_Left	14.40	13.46
N48	30	40	CP-256QAM	M	Inner_1RB_Right	14.47	13.53
N48	30	40	CP-256QAM	M	Outer_Full	14.24	13.30

N48	30	40	CP-QPSK	H	Inner_1RB_Left	19.32	18.38
N48	30	40	CP-QPSK	H	Inner_1RB_Right	19.09	18.15
N48	30	40	CP-QPSK	H	Outer_Full	17.59	16.65
N48	30	40	CP-16QAM	H	Inner_1RB_Left	18.63	17.69
N48	30	40	CP-16QAM	H	Inner_1RB_Right	18.51	17.57
N48	30	40	CP-16QAM	H	Outer_Full	17.56	16.62
N48	30	40	CP-64QAM	H	Inner_1RB_Left	17.16	16.22
N48	30	40	CP-64QAM	H	Inner_1RB_Right	17.17	16.23
N48	30	40	CP-64QAM	H	Outer_Full	17.07	16.13
N48	30	40	CP-256QAM	H	Inner_1RB_Left	14.25	13.31
N48	30	40	CP-256QAM	H	Inner_1RB_Right	14.20	13.26
N48	30	40	CP-256QAM	H	Outer_Full	14.01	13.07

Band	SCS	Bandwidth	Modulation	Channel	RB Config	PowerAnt1	PowerAnt2	TotalPower	EIRP (dBm)
MIMO N48	30	10	CP-QPSK	L	Inner_1RB_Left	19.28	18.73	22.02	21.08
MIMO N48	30	10	CP-QPSK	L	Inner_1RB_Right	19.24	18.94	22.10	21.16
MIMO N48	30	10	CP-QPSK	L	Outer_Full	17.71	17.17	20.46	19.52
MIMO N48	30	10	CP-16QAM	L	Inner_1RB_Left	18.71	18.28	21.51	20.57
MIMO N48	30	10	CP-16QAM	L	Inner_1RB_Right	18.74	18.03	21.41	20.47
MIMO N48	30	10	CP-16QAM	L	Outer_Full	17.66	17.16	20.43	19.49
MIMO N48	30	10	CP-64QAM	L	Inner_1RB_Left	17.34	16.70	20.04	19.10
MIMO N48	30	10	CP-64QAM	L	Inner_1RB_Right	17.33	16.60	19.99	19.05
MIMO N48	30	10	CP-64QAM	L	Outer_Full	17.13	16.70	19.93	18.99
MIMO N48	30	10	CP-256QAM	L	Inner_1RB_Left	14.33	13.65	17.01	16.07
MIMO N48	30	10	CP-256QAM	L	Inner_1RB_Right	14.19	13.54	16.89	15.95
MIMO N48	30	10	CP-256QAM	L	Outer_Full	14.09	13.68	16.90	15.96
MIMO N48	30	10	CP-QPSK	M	Inner_1RB_Left	18.90	18.75	21.84	20.90
MIMO N48	30	10	CP-QPSK	M	Inner_1RB_Right	18.96	18.88	21.93	20.99
MIMO N48	30	10	CP-QPSK	M	Outer_Full	17.43	17.37	20.41	19.47
MIMO N48	30	10	CP-16QAM	M	Inner_1RB_Left	18.49	18.16	21.34	20.40
MIMO N48	30	10	CP-16QAM	M	Inner_1RB_Right	18.52	18.23	21.39	20.45
MIMO N48	30	10	CP-16QAM	M	Outer_Full	17.38	17.38	20.39	19.45
MIMO N48	30	10	CP-64QAM	M	Inner_1RB_Left	17.00	16.76	19.89	18.95
MIMO N48	30	10	CP-64QAM	M	Inner_1RB_Right	17.02	16.79	19.92	18.98
MIMO N48	30	10	CP-64QAM	M	Outer_Full	16.88	16.93	19.92	18.98
MIMO N48	30	10	CP-256QAM	M	Inner_1RB_Left	14.10	13.63	16.88	15.94
MIMO N48	30	10	CP-256QAM	M	Inner_1RB_Right	14.04	13.73	16.90	15.96
MIMO N48	30	10	CP-256QAM	M	Outer_Full	13.84	13.82	16.84	15.90
MIMO N48	30	10	CP-QPSK	H	Inner_1RB_Left	18.93	18.76	21.86	20.92
MIMO N48	30	10	CP-QPSK	H	Inner_1RB_Right	18.91	18.72	21.83	20.89
MIMO N48	30	10	CP-QPSK	H	Outer_Full	17.26	17.06	20.17	19.23
MIMO N48	30	10	CP-16QAM	H	Inner_1RB_Left	18.26	18.20	21.24	20.30
MIMO N48	30	10	CP-16QAM	H	Inner_1RB_Right	18.37	17.81	21.11	20.17

MIMO N48	30	10	CP-16QAM	H	Outer_Full	17.29	17.04	20.18	19.24
MIMO N48	30	10	CP-64QAM	H	Inner_1RB_Left	16.89	16.63	19.77	18.83
MIMO N48	30	10	CP-64QAM	H	Inner_1RB_Right	16.93	16.42	19.69	18.75
MIMO N48	30	10	CP-64QAM	H	Outer_Full	16.74	16.55	19.66	18.72
MIMO N48	30	10	CP-256QAM	H	Inner_1RB_Left	13.82	13.54	16.69	15.75
MIMO N48	30	10	CP-256QAM	H	Inner_1RB_Right	13.84	13.33	16.60	15.66
MIMO N48	30	10	CP-256QAM	H	Outer_Full	13.65	13.55	16.61	15.67
MIMO N48	30	20	CP-QPSK	L	Inner_1RB_Left	19.58	18.84	22.24	21.30
MIMO N48	30	20	CP-QPSK	L	Inner_1RB_Right	19.51	19.15	22.34	21.40
MIMO N48	30	20	CP-QPSK	L	Outer_Full	17.88	17.35	20.63	19.69
MIMO N48	30	20	CP-16QAM	L	Inner_1RB_Left	19.00	18.48	21.76	20.82
MIMO N48	30	20	CP-16QAM	L	Inner_1RB_Right	19.11	18.53	21.84	20.90
MIMO N48	30	20	CP-16QAM	L	Outer_Full	17.85	17.36	20.62	19.68
MIMO N48	30	20	CP-64QAM	L	Inner_1RB_Left	17.51	16.84	20.20	19.26
MIMO N48	30	20	CP-64QAM	L	Inner_1RB_Right	17.44	17.17	20.32	19.38
MIMO N48	30	20	CP-64QAM	L	Outer_Full	17.42	16.81	20.14	19.20
MIMO N48	30	20	CP-256QAM	L	Inner_1RB_Left	14.63	13.81	17.25	16.31
MIMO N48	30	20	CP-256QAM	L	Inner_1RB_Right	14.47	14.07	17.28	16.34
MIMO N48	30	20	CP-256QAM	L	Outer_Full	14.38	13.90	17.16	16.22
MIMO N48	30	20	CP-QPSK	M	Inner_1RB_Left	19.16	18.65	21.92	20.98
MIMO N48	30	20	CP-QPSK	M	Inner_1RB_Right	19.30	18.77	22.05	21.11
MIMO N48	30	20	CP-QPSK	M	Outer_Full	17.57	17.38	20.49	19.55
MIMO N48	30	20	CP-16QAM	M	Inner_1RB_Left	18.67	18.10	21.40	20.46
MIMO N48	30	20	CP-16QAM	M	Inner_1RB_Right	18.63	17.97	21.32	20.38
MIMO N48	30	20	CP-16QAM	M	Outer_Full	17.56	17.43	20.51	19.57
MIMO N48	30	20	CP-64QAM	M	Inner_1RB_Left	17.28	16.81	20.06	19.12
MIMO N48	30	20	CP-64QAM	M	Inner_1RB_Right	17.19	16.64	19.93	18.99
MIMO N48	30	20	CP-64QAM	M	Outer_Full	17.07	16.92	20.01	19.07
MIMO N48	30	20	CP-256QAM	M	Inner_1RB_Left	14.31	13.65	17.00	16.06
MIMO N48	30	20	CP-256QAM	M	Inner_1RB_Right	14.28	13.56	16.95	16.01
MIMO N48	30	20	CP-256QAM	M	Outer_Full	14.11	13.91	17.02	16.08
MIMO N48	30	20	CP-QPSK	H	Inner_1RB_Left	18.92	18.74	21.84	20.90
MIMO N48	30	20	CP-QPSK	H	Inner_1RB_Right	19.06	18.62	21.86	20.92
MIMO N48	30	20	CP-QPSK	H	Outer_Full	17.38	17.35	20.38	19.44
MIMO N48	30	20	CP-16QAM	H	Inner_1RB_Left	18.38	18.19	21.30	20.36
MIMO N48	30	20	CP-16QAM	H	Inner_1RB_Right	18.44	18.00	21.24	20.30
MIMO N48	30	20	CP-16QAM	H	Outer_Full	17.37	17.30	20.35	19.41
MIMO N48	30	20	CP-64QAM	H	Inner_1RB_Left	16.98	16.79	19.90	18.96
MIMO N48	30	20	CP-64QAM	H	Inner_1RB_Right	17.12	16.61	19.88	18.94
MIMO N48	30	20	CP-64QAM	H	Outer_Full	16.83	16.79	19.82	18.88
MIMO N48	30	20	CP-256QAM	H	Inner_1RB_Left	14.03	13.64	16.85	15.91
MIMO N48	30	20	CP-256QAM	H	Inner_1RB_Right	14.04	13.56	16.82	15.88
MIMO N48	30	20	CP-256QAM	H	Outer_Full	13.91	13.84	16.89	15.95

MIMO N48	30	40	CP-QPSK	L	Inner_1RB_Left	19.48	18.99	22.25	21.31
MIMO N48	30	40	CP-QPSK	L	Inner_1RB_Right	19.08	19.11	22.11	21.17
MIMO N48	30	40	CP-QPSK	L	Outer_Full	17.74	17.51	20.64	19.70
MIMO N48	30	40	CP-16QAM	L	Inner_1RB_Left	19.01	18.51	21.78	20.84
MIMO N48	30	40	CP-16QAM	L	Inner_1RB_Right	18.56	18.51	21.55	20.61
MIMO N48	30	40	CP-16QAM	L	Outer_Full	17.69	17.54	20.63	19.69
MIMO N48	30	40	CP-64QAM	L	Inner_1RB_Left	17.59	16.89	20.26	19.32
MIMO N48	30	40	CP-64QAM	L	Inner_1RB_Right	17.09	17.06	20.09	19.15
MIMO N48	30	40	CP-64QAM	L	Outer_Full	17.24	17.00	20.13	19.19
MIMO N48	30	40	CP-256QAM	L	Inner_1RB_Left	14.58	13.77	17.20	16.26
MIMO N48	30	40	CP-256QAM	L	Inner_1RB_Right	14.25	13.96	17.12	16.18
MIMO N48	30	40	CP-256QAM	L	Outer_Full	14.15	14.05	17.11	16.17
MIMO N48	30	40	CP-QPSK	M	Inner_1RB_Left	19.32	19.03	22.19	21.25
MIMO N48	30	40	CP-QPSK	M	Inner_1RB_Right	19.40	18.21	21.86	20.92
MIMO N48	30	40	CP-QPSK	M	Outer_Full	17.66	17.33	20.51	19.57
MIMO N48	30	40	CP-16QAM	M	Inner_1RB_Left	18.82	18.50	21.67	20.73
MIMO N48	30	40	CP-16QAM	M	Inner_1RB_Right	18.87	17.68	21.33	20.39
MIMO N48	30	40	CP-16QAM	M	Outer_Full	17.64	17.29	20.48	19.54
MIMO N48	30	40	CP-64QAM	M	Inner_1RB_Left	17.37	16.91	20.16	19.22
MIMO N48	30	40	CP-64QAM	M	Inner_1RB_Right	17.35	16.21	19.83	18.89
MIMO N48	30	40	CP-64QAM	M	Outer_Full	17.16	16.79	19.99	19.05
MIMO N48	30	40	CP-256QAM	M	Inner_1RB_Left	14.40	13.87	17.15	16.21
MIMO N48	30	40	CP-256QAM	M	Inner_1RB_Right	14.47	13.17	16.88	15.94
MIMO N48	30	40	CP-256QAM	M	Outer_Full	14.24	13.85	17.06	16.12
MIMO N48	30	40	CP-QPSK	H	Inner_1RB_Left	19.32	18.94	22.14	21.20
MIMO N48	30	40	CP-QPSK	H	Inner_1RB_Right	19.09	18.56	21.84	20.90
MIMO N48	30	40	CP-QPSK	H	Outer_Full	17.59	17.25	20.43	19.49
MIMO N48	30	40	CP-16QAM	H	Inner_1RB_Left	18.63	18.33	21.49	20.55
MIMO N48	30	40	CP-16QAM	H	Inner_1RB_Right	18.51	18.11	21.32	20.38
MIMO N48	30	40	CP-16QAM	H	Outer_Full	17.56	17.20	20.39	19.45
MIMO N48	30	40	CP-64QAM	H	Inner_1RB_Left	17.16	16.74	19.97	19.03
MIMO N48	30	40	CP-64QAM	H	Inner_1RB_Right	17.17	16.63	19.92	18.98
MIMO N48	30	40	CP-64QAM	H	Outer_Full	17.07	16.70	19.90	18.96
MIMO N48	30	40	CP-256QAM	H	Inner_1RB_Left	14.25	13.89	17.08	16.14
MIMO N48	30	40	CP-256QAM	H	Inner_1RB_Right	14.20	13.65	16.94	16.00
MIMO N48	30	40	CP-256QAM	H	Outer_Full	14.01	13.77	16.90	15.96

6.2. Radiated Spurious Emission

Sweep the whole frequency band through the range from 30MHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

LTE Band 48 5MHz CH Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	7245.00	-59.56	2.50	11.35	Horizontal	-50.71	-13.00	37.71	15
3	10867.50	-53.23	4.20	12.05	Horizontal	-45.38	-13.00	32.38	78
4	14490.00	-53.40	5.50	14.23	Horizontal	-44.67	-13.00	31.67	14
5	18112.50	--	--	--	--	--	--	--	--
6	21735.00	--	--	--	--	--	--	--	--
7	25357.50	--	--	--	--	--	--	--	--
8	28980.00	--	--	--	--	--	--	--	--
9	32602.50	--	--	--	--	--	--	--	--
10	36225.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

LTE Band 48 20MHz CH Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	7230.00	-59.34	2.50	11.35	Horizontal	-50.49	-13.00	37.49	142
3	10845.00	-54.20	4.20	12.05	Horizontal	-46.35	-13.00	33.35	35
4	14460.00	-56.64	5.50	14.23	Horizontal	-47.91	-13.00	34.91	2
5	18075.00	--	--	--	--	--	--	--	--
6	21690.00	--	--	--	--	--	--	--	--
7	25305.00	--	--	--	--	--	--	--	--
8	28920.00	--	--	--	--	--	--	--	--
9	32535.00	--	--	--	--	--	--	--	--
10	36150.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Horizontal position.									

NR n48 10MHz CH Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	7240.00	-60.42	2.50	11.35	Vertical	-51.57	-25.00	26.57	180
3	10860.00	-53.12	4.20	12.05	Vertical	-45.27	-25.00	20.27	240
4	14480.00	-50.94	5.50	14.23	Vertical	-42.21	-25.00	17.21	75
5	18100.00	--	--	--	--	--	--	--	--
6	21720.00	--	--	--	--	--	--	--	--
7	25340.00	--	--	--	--	--	--	--	--
8	28960.00	--	--	--	--	--	--	--	--
9	32580.00	--	--	--	--	--	--	--	--
10	36200.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

NR n48 40MHz CH Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	Result Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	7210.00	-65.08	2.50	11.35	Vertical	-56.23	-25.00	31.23	180
3	10815.00	-55.17	4.20	12.05	Vertical	-47.32	-25.00	22.32	199
4	14420.00	-54.15	5.50	14.23	Vertical	-45.42	-25.00	20.42	240
5	18025.00	--	--	--	--	--	--	--	--
6	21630.00	--	--	--	--	--	--	--	--
7	25235.00	--	--	--	--	--	--	--	--
8	28840.00	--	--	--	--	--	--	--	--
9	32445.00	--	--	--	--	--	--	--	--
10	36050.00	--	--	--	--	--	--	--	--
Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor. 2. The worst emission was found in the antenna is Vertical position.									

7. Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Spectrum Analyzer	R&S	FSV30	100815	2023-12-05	2024-12-04
Loop Antenna	SCHWARZBECK	FMZB1519	1519-047	2023-04-16	2026-04-15
TRILOG Broadband Antenna	SCHWARZBECK	VULB 9163	391	2022-09-29	2025-09-28
Horn Antenna	SCHWARZBECK	BBHA 9120D	1594	2023-12-05	2026-12-04
Horn Antenna	ETS-Lindgren	3160-09	00102643	2024-09-24	2027-09-23
Horn Antenna	STEATITE	QSH-SL-26-40-K-15	16779	2023-01-17	2026-01-16
Software	R&S	EMC32	10.35.10	/	/

ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.

ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.

****** END OF REPORT ******