

FCC Test Report (Spot Check: Part 96: CA mode)

Report No.: RF200109E02E-7

FCC ID: 2AQ68T99W175M

Original FCC ID: 2AQ68T99W175

Test Model: T99W175M

Received Date: May 29, 2020

Test Date: Jul. 03 ~ Aug. 02, 2020

Issued Date: Aug. 10, 2020

Applicant: Hon Lin Technology Co., Ltd.

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Issued By: Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch
Lin Kou Laboratories

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**FCC Registration/
Designation Number:** 788550 / TW0003



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Release Control Record

Issue No.	Description	Date Issued
RF200109E02E-7	Original release	Aug. 10, 2020

1 Certificate of Conformity

Product: 5G WWAN Module

Brand: Foxconn

Test Model: T99W175M

Sample Status: Engineering Sample

Applicant: Hon Lin Technology Co., Ltd.

Test Date: Jul. 03 ~ Aug. 02, 2020

Standards: 47 CFR FCC Part 96

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's RF characteristics under the conditions specified in this report.

Prepared by : Pettie Chen , **Date:** Aug. 10, 2020
Pettie Chen / Senior Specialist

Approved by : Bruce Chen , **Date:** Aug. 10, 2020
Bruce Chen / Senior Project Engineer

2 Summary of Test Results

47 CFR FCC Part 96			
FCC Clause	Test Item	Result	Remarks
2.1046 96.41(b)	Maximum Peak Output Power	Pass	Meet the requirement of limit.
2.1053 96.41(e)	Radiated Spurious Emissions	Pass	Meet the requirement of limit. Minimum passing margin is -3.0dB at 84.83MHz.

Note:

Determining compliance based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

2.1 Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Measurement	Frequency	Expanded Uncertainty (k=2) (±)
Radiated Emissions up to 1 GHz	9 kHz ~ 30MHz	3.04 dB
	30 MHz ~ 200 MHz	3.59 dB
	200 MHz ~ 1000 MHz	3.60 dB
Radiated Emissions above 1 GHz	1 GHz ~ 18 GHz	2.29 dB
	18 GHz ~ 40 GHz	2.29 dB

2.2 Modification Record

There were no modifications required for compliance.

3 General Information

3.1 General Description of EUT

Product	5G WWAN Module				
Brand	Foxconn				
Test Model	T99W175M				
Status of EUT	Engineering Sample				
Power Supply Rating	5 Vdc (Host equipment) 3.135Vdc~3.63Vdc (Module)				
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM				
Operating Frequency	LTE Band 48C	3560 ~ 3690 MHz			
	LTE Band 42C	3552.5 ~ 3597.5 MHz			
Max. EIRP Power		QPSK	16QAM	64QAM	256QAM
	LTE Band 48C (Full Power) (20MHz+20MHz)	187.068mW (22.72dBm)	167.880mW (22.25dBm)	150.661mW (21.78dBm)	125.603mW (20.99dBm)
	LTE Band 48C (Per 10M Power) (20MHz+20MHz)	172.187mW (22.36dBm)	160.694mW (22.06dBm)	146.893mW (21.67dBm)	124.165mW (20.94dBm)
	LTE Band 42C (Full Power) (20MHz+20MHz)	176.198mW (22.46dBm)	154.170mW (21.88dBm)	143.549mW (21.57dBm)	119.124mW (20.76dBm)
	LTE Band 42C (Per 10M Power) (20MHz+20MHz)	161.065mW (22.07dBm)	142.889mW (21.55dBm)	136.144mW (21.34dBm)	112.720mW (20.52dBm)
Emission Designator	LTE Band 48C (20MHz+20MHz)	37M5G7D	37M5D7W	37M4D7W	37M5D7W
	LTE Band 42C (20MHz+20MHz)	37M5G7D	37M5D7W	37M5D7W	37M4D7W
Antenna Type	Refer to Note as below				
Antenna Connector	Refer to Note as below				
Accessory Device	NA				
Cable Supplied	NA				

Note:

1. This report is a supplementary report to the original BV CPS report no.: RF200109E02B-7. The difference compared with original report is only adding mmWave hardware, mmWave function is disabled by software. Exhibit prepared for FCC Spot Check Verification report, the format, test items and amount of spot-check test data are decided by applicant's engineering judgment, for more details please refer to declaration letter exhibit. Radiated emission and output power verification worst test refer to original report.

2. There are four Difference HW of T99W175M.

3.	Brand	Model	HW
			1. 3G+LTE+Sub6+mmWave+eSIM
			2. 3G+LTE+Sub6+mmWave+w/o eSIM
			3. 3G+LTE+Sub6+mmWave+eSIM+GNSS connector
			4. 3G+LTE+Sub6+mmWave+w/o eSIM+GNSS connector

*After pre-testing, "HW: 1. 3G+LTE+Sub6+mmWave+eSIM" is the worst for the final tests.

4. For CA mode configuration, please consult the manufacturer to declare the test mode.

5. E-UTRA CA configuration / Bandwidth combination set.

E-UTRA CA configuration / Bandwidth combination set					
E-UTRA CA configuration	Uplink CA configurations	Component carriers in order of increasing carrier frequency		Maximum aggregated bandwidth [MHz]	Bandwidth combination set
		Channel bandwidths for carrier [MHz]	Channel bandwidths for carrier [MHz]		
CA_48C	CA_48C	5, 10, 15, 20	20	40	0
		20	5, 10, 15		
CA_42C	CA_42C	5, 10, 15, 20	20	40	0
		20	5, 10, 15		
		10, 15, 20	20	40	1
		20	10, 15		

*48C/42C is continuous CA and maximum combination is 20M+20M.

6. The following antennas were provided to the EUT.

Antenna No.	RF Chain No.	Brand	Model	Antenna Net Gain(dBi)	Frequency range (MHz)	Antenna Type	Connector Type
1		WHA YU	C107-511720-A	4.41	660~803	PCB	I-PEX
2		WHA YU	C107-511721-A	3.81 4.03	791~960 1447.9~1606	PCB	I-PEX
3		WHA YU	C107-511722-A	4.27 5.31	1710~2170 2500~2690	PCB	I-PEX
4		WHA YU	C107-511723-A	2.99 0.92	2300~2400 3500~3700	PCB	I-PEX
5		WHA YU	C107-511724-A	6.45	5150~5925	PCB	I-PEX
6		WHA YU	C107-511725-A	4.89	3400~3700	PCB	I-PEX
7		AVX	5000106-R1-X01	2.91	699~803	Monopole	I-PEX
8		AVX	5000107-R1-X01	2.59	791~960	Monopole	I-PEX
9		AVX	5000108-R1-X01	2.85	1427~1610	Monopole	I-PEX
10		AVX	5000109-R1-X01	2.23 2.94	1710~2200 5150~5925	Monopole	I-PEX
11		AVX	5000110-R1-X01	0.9	2300~2690	Monopole	I-PEX
12		AVX	5000111-R1-X01	0.87	3300~5000	Monopole	I-PEX
13	Tx1/ Rx1	Ethertronics	5003806	0.4 -1.61 0.39 2.95 1.98 0.38 0.83 2.31	698-821 824-960 1425-1515 1710-2200 2300-2690 3300-4200 4400-5000 5150-5925	PIFA	I-PEX
	Rx2	Ethertronics	5003807	-2.24 -4.52 2.87 2.99 2.93 2.91 2.23 -0.85 -3.04	716-821 824-960 1425-1515 1557-1610 1805-2200 2300-2690 3300-4200 4400-5000 5150-5925	PIFA	I-PEX
	Tx2/ Rx3	Ethertronics	5003806	2.21 2.25 -0.45 2.6	1710-2200 2300-2690 3300-4200 4400-5000	PIFA	I-PEX
	Rx4	Ethertronics	5003700	1.38 2.87 0.6 -2.09	1805-2200 2300-2690 3300-4200 4400-5000	PIFA	I-PEX

Antenna No.	RF Chain No.	Brand	Model	Antenna Net Gain(dBi)	Frequency range (MHz)	Antenna Type	Connector Type
14	Ant. 0 (TX/RX)	Master Wave	NA	2.4 2.2 2.9 2.9 2.9 NA	880~960 1020~2170 2545~2595 3565~3600 3900~4000 GPS	PCB	I-PEX
	Ant. 2 (TX/RX)	Master Wave	NA	NA 2.2 2.8 2.9 2.8 NA	880~960 1020~2170 2545~2595 3565~3600 3900~4000 GPS	PCB	I-PEX
	Ant. 1 (RX)	Master Wave	NA	NA 5.3 5.1 4.3 4.5 NA	880~960 1020~2170 2545~2595 3565~3600 3900~4000 GPS	PCB	I-PEX
	Ant. 3 (RX)	Master Wave	NA	1.3 6.8 3.7 6.4 6.2 3.7	880~960 1020~2170 2545~2595 3565~3600 3900~4000 GPS	PCB	I-PEX

*The above Antenna information is declared by manufacturer and for more detailed features description, please refer to the manufacturer's specifications, the laboratory shall not be held responsible.

*The antenna for the final tests as following table.

	Band	Antenna
WCDMA	2	Antenna 3
	4	Antenna 3
	5	Antenna 2
LTE	2	Antenna 3
	4	Antenna 3
	5	Antenna 2
	7	Antenna 3
	12	Antenna 1
	13	Antenna 1
	14	Antenna 1
	17	Antenna 1
	25	Antenna 3
	26	Antenna 2
	30	Antenna 4
	66	Antenna 3
	71	Antenna 1
	38	Antenna 3
	41	Antenna 3
42	Antenna 4	
48	Antenna 4	

3.2 Test Mode Applicability and Tested Channel Detail

Pre-Scan has been conducted to determine the worst-case mode from all possible combinations between available modulations, data rates, XYZ axis and antenna ports

The worst case was found when positioned on Z-plane. Following channel(s) was (were) selected for the final test as listed below:

LTE Band 48 (CA 48C)

Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation
Maximum Output Power	55340 to 56442 55538 to 56640	55340 (3560.0MHz)+ 55538 (3579.8MHz), 55891 (3615.1MHz)+ 56089 (3634.9MHz), 56642 (3670.2MHz)+ 56640 (3690.0MHz)	20MHz+20MHz	QPSK / 16QAM / 64QAM / 256QAM
	55340 to 56491 55511 to 56662	55340 (3560.0MHz)+ 55511 (3577.1MHz), 55916 (3617.6MHz)+ 56087 (3634.7MHz), 56491 (3675.1MHz)+ 56662 (3692.2MHz)	20MHz+15MHz	QPSK / 16QAM / 64QAM / 256QAM
	55340 to 56541 55484 to 56685	55340 (3560.0MHz)+ 55484 (3574.4MHz), 55941 (3620.1MHz)+ 56085 (3634.5MHz), 56541 (3680.1MHz)+ 56685 (3694.5MHz)	20MHz+10MHz	QPSK / 16QAM / 64QAM / 256QAM
	55340 to 56590 55457 to 56707	55340 (3560.0MHz)+ 55457 (3571.7MHz), 55965 (3622.5MHz)+ 56082 (3634.2MHz), 56590 (3685.0MHz)+ 56707 (3696.7MHz)	20MHz+5MHz	QPSK / 16QAM / 64QAM / 256QAM
	55273 to 56523 55390 to 56640	55273 (3553.3MHz)+ 55390 (3565.0MHz), 55898 (3615.8MHz)+ 56015 (3627.5MHz), 56523 (3678.3MHz)+ 56640 (3690.0MHz)	5MHz+20MHz	QPSK / 16QAM / 64QAM / 256QAM
	55295 to 56496 55439 to 56640	55295 (3555.5MHz)+ 55439 (3569.9MHz), 55896 (3615.6MHz)+ 56040 (3630.0MHz), 56496 (3675.6MHz)+ 56640 (3690.0MHz)	10MHz+20MHz	QPSK / 16QAM / 64QAM / 256QAM
	55318 to 56469 55489 to 56640	55318 (3557.8MHz)+ 55489 (3574.9MHz), 55893 (3615.3MHz)+ 56064 (3632.4MHz), 56469 (3672.9MHz)+ 56640 (3690.0MHz)	15MHz+20MHz	QPSK / 16QAM / 64QAM / 256QAM
Radiated Emission Below 1GHz	55340 to 56442 55538 to 56640	55891 (3615.1MHz)+ 56089 (3634.9MHz)	20MHz+20MHz	QPSK
Radiated Emission Above 1GHz	55340 to 56442 55538 to 56640	55891 (3615.1MHz)+ 56089 (3634.9MHz)	20MHz+20MHz	QPSK

LTE Band 42 (CA 42C)

Test Item	Available Channel	Tested Channel	Channel Bandwidth	Modulation
Maximum Output Power	43190 to 43292 43388 to 43490	43190 (3560.0MHz)+ 43388 (3579.8MHz), 43241 (3565.1MHz)+ 43439 (3584.9MHz), 43292 (3570.2MHz)+ 43490 (3590.0MHz)	20MHz+20MHz	QPSK / 16QAM / 64QAM / 256QAM
	43190 to 43341 43361 to 43512	43190 (3560.0MHz)+ 43361 (3577.1MHz), 43265 (3567.5MHz)+ 43436 (3584.6MHz), 43341 (3575.1MHz)+ 43512 (3592.2MHz)	20MHz+15MHz	QPSK / 16QAM / 64QAM / 256QAM
	43190 to 43391 43334 to 43535	43190 (3560.0MHz)+ 43334 (3574.4MHz), 43335 (3574.5MHz)+ 43479 (3588.9MHz), 43391 (3580.1MHz)+ 43535 (3594.5MHz)	20MHz+10MHz	QPSK / 16QAM / 64QAM / 256QAM
	43190 to 43440 43307 to 43557	43190 (3560.0MHz)+ 43307 (3571.7MHz), 43315 (3572.5MHz)+ 43432 (3584.2MHz), 43440 (3585.0MHz)+ 43557 (3596.7MHz)	20MHz+5MHz	QPSK / 16QAM / 64QAM / 256QAM
	43115 to 43373 43232 to 43490	43115 (3553.3MHz)+ 43232 (3565.0MHz), 43244 (3565.4MHz)+ 43361 (3577.1MHz), 43373 (3578.3MHz)+ 43490 (3590.0MHz)	5MHz+20MHz	QPSK / 16QAM / 64QAM / 256QAM
	43140 to 43346 43284 to 43490	43140 (3555.5MHz)+ 43284 (3569.9MHz), 43242 (3565.2MHz)+ 43386 (3579.6MHz), 43346 (3575.6MHz)+ 43490 (3590.0MHz)	10MHz+20MHz	QPSK / 16QAM / 64QAM / 256QAM
	43165 to 43319 43336 to 43490	43165 (3557.8MHz)+ 43336 (3574.9MHz), 43242 (3565.2MHz)+ 43413 (3582.3MHz), 43319 (3572.9MHz)+ 43490 (3590.0MHz)	15MHz+20MHz	QPSK / 16QAM / 64QAM / 256QAM

Test Condition:

Test Item	Environmental Conditions	Input Power	Tested By
Maximum Output Power	25deg. C, 70%RH	5Vdc	James Yang
Radiated Emission	22deg. C, 66%RH 22deg. C, 68%RH	120Vac, 60Hz	Greg Lin

3.3 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

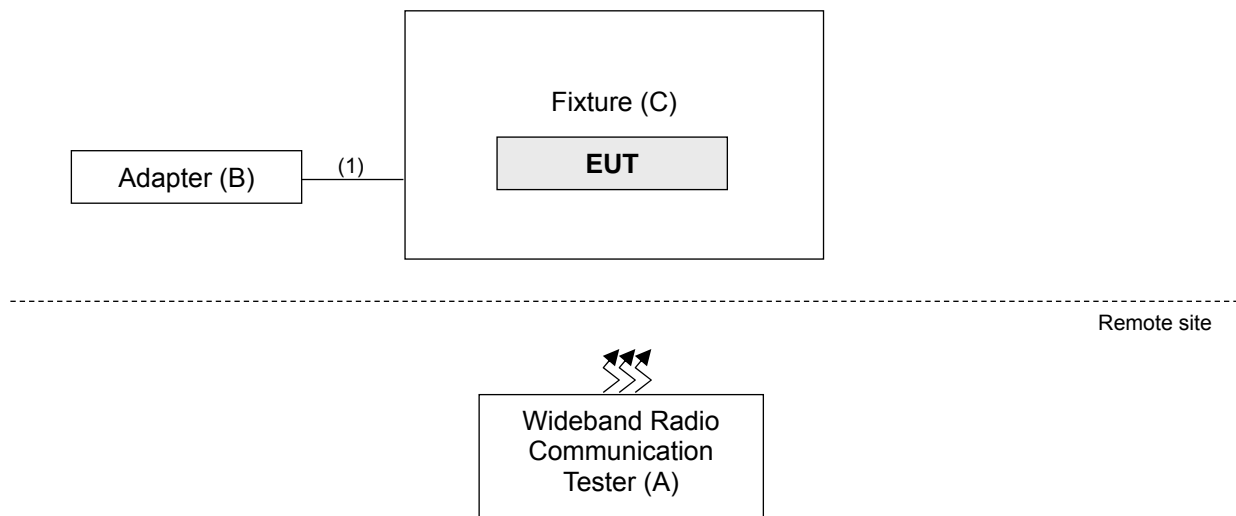
ID	Product	Brand	Model No.	Serial No.	FCC ID	Remarks
A.	Wideband Radio Communication Tester	R&S	CMW500	151084	NA	-
B.	Adapter	LITEON	PA-1050-39	NA	NA	-
C.	Fixture	NA	NA	NA	NA	Provided by client.

Note:

1. All power cords of the above support units are non-shielded (1.8m).
2. Items A acted as communication partners to transfer data.

ID	Descriptions	Qty.	Length (m)	Shielding (Yes/No)	Cores (Qty.)	Remarks
1.	USB cable	1	1.5	Y	0	-

3.3.1 Configuration of System under Test



3.4 General Description of Applied Standards and References

The EUT is a RF Product. According to the specifications of the manufacturer, it must comply with the requirements of the following standards and references:

Test Standard:

FCC 47 CFR Part 2

FCC 47 CFR Part 96

ANSI/TIA/EIA-603-D-2010

All test items have been performed and recorded as per the above standards.

References Test Guidance:

KDB 971168 D01 Power Meas License Digital Systems v03r01

KDB 940660 D01 Part 96 CBRS Eqpt v02

All test items have been performed as a reference to the above KDB test guidance.

4 Test Types and Results

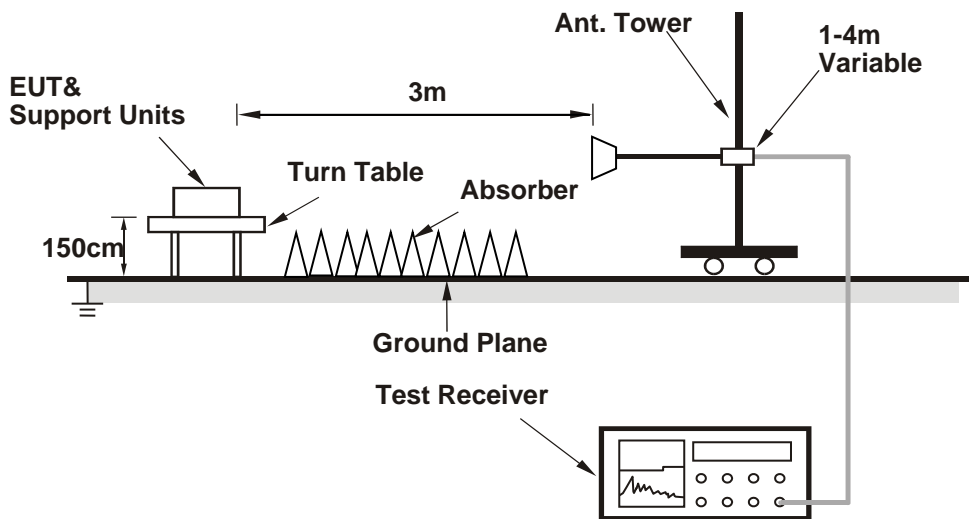
4.1 Maximum Output Power Measurement

4.1.1 Limits of Maximum Output Power Measurement

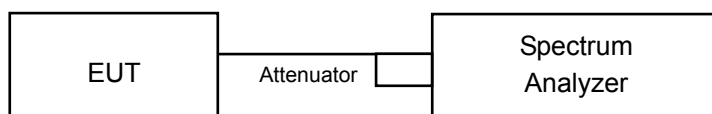
Device		Maximum Output Power (dBm/10 MHz)
<input checked="" type="checkbox"/>	End User Device	23
<input type="checkbox"/>	Category A CBSD	30
<input type="checkbox"/>	Category B CBSD	47

4.1.2 Test Setup

Radiated Measurement Method



Conducted Measurement Method



4.1.3 Test Instruments

Description & Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Due
Test Receiver KEYSIGHT	N9038A	MY55420137	Apr. 16, 2020	Apr. 15, 2021
Spectrum Analyzer ROHDE & SCHWARZ	FSP40	100039	Jun. 12, 2020	Jun. 11, 2021
BILOG Antenna SCHWARZBECK	VULB9168	9168-160	Nov. 07, 2019	Nov. 06, 2020
HORN Antenna SCHWARZBECK	BBHA 9120 D	9120D-1169	Nov. 24, 2019	Nov. 23, 2020
HORN Antenna SCHWARZBECK	BBHA 9170	BBHA9170241	Nov. 24, 2019	Nov. 23, 2020
Preamplifier Agilent (Below 1GHz)	8447D	2944A10638	Jun. 08, 2020	Jun. 07, 2021
Preamplifier Agilent (Above 1GHz)	8449B	3008A02367	Feb. 18, 2020	Feb. 17, 2021
RF signal cable HUBER+SUHNER&EMCI	SUCOFLEX 104 & EMC104-SM-SM80 00	CABLE-CH9-02 (248780+171006)	Jan. 18, 2020	Jan. 17, 2021
RF signal cable HUBER+SUHNER	SUCOFLEX 104	CABLE-CH9-(250795/4)	Jan. 18, 2020	Jan. 17, 2021
RF signal cable Woken	8D-FB	Cable-CH9-01	Jun. 08, 2020	Jun. 07, 2021
Software BV ADT	ADT_Radiated_ V7.6.15.9.5	NA	NA	NA
Antenna Tower EMCO	2070/2080	512.835.4684	NA	NA
Turn Table EMCO	2087-2.03	NA	NA	NA
Antenna Tower & Turn BV ADT	AT100	AT93021705	NA	NA
Turn Table BV ADT	TT100	TT93021705	NA	NA
Turn Table Controller BV ADT	SC100	SC93021705	NA	NA
Boresight Antenna Fixture	FBA-01	FBA-SIP01	NA	NA
WIT Standard Temperature And Humidity Chamber	TH-4S-C	W981030	Jun. 01, 2020	May 31, 2021
JFW 20dB attenuation	50HF-020-SMA	NA	NA	NA
True RMS Clamp Meter Fluke	325	31130711WS	Jun. 06, 2020	Jun. 05, 2021
DC power supply	U8002A	MY56330015	NA	NA

Note: 1. The calibration interval of the above test instruments is 12 months and the calibrations are traceable to NML/ROC and NIST/USA.

2. The test was performed in HwaYa Chamber 9.

4.1.4 Test Procedures

Radiated Measurement Method

1. The EUT was placed on the top of a rotating table 1.5 meters above the ground at 3 meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
5. The test-receiver system was set to peak and/or average detects function and specified bandwidth with maximum hold mode when the test frequency is above 1 GHz.
6. EIRP = Output power level of S.G + Correction Factor (including Cable loss, Antenna gain, etc...)

Conducted Measurement Method

1. Connect the DUT transmitter output to the spectrum analyzer via coaxial cable while ensuring proper impedance matching.
2. Set span to at least 1.5 times the OBW.
3. Set RBW = 1-5% of the OBW, not to exceed 1 MHz.
4. Set VBW $\geq 3 \times$ RBW.
5. Set number of points in sweep $\geq 2 \times$ span / RBW.
6. Sweep time = auto-couple.
7. Detector = RMS (power averaging).
8. If the EUT can be configured to transmit continuously (i.e., burst duty cycle $\geq 98\%$), then set the trigger to free run.
9. If the EUT cannot be configured to transmit continuously (i.e., burst duty cycle $< 98\%$), then use a sweep trigger with the level set to enable triggering only on full power bursts and configure the EUT to transmit at full power for the entire duration of each sweep. Ensure that the sweep time is less than or equal to the transmission burst duration.
10. Trace average at least 100 traces in power averaging (i.e., RMS) mode.
11. Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function, with the band limits set equal to the OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

4.1.5 Deviation from Test Standard

No deviation.

4.1.6 EUT Operating Conditions

The software provided by client to enable the EUT under transmission condition continuously at lowest, middle and highest channel frequencies individually.

4.1.7 Test Results

Conducted Output Power (dBm)

LTE Band 48 (CA 48C) Full Power

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
															Total	
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	20	QPSK	1	99	55538	3579.8	8.30
					1	99						7.76				
		48	20	QPSK	1	0	55891	3615.1	48	20	QPSK	1	99	56089	3634.9	12.80
					1	99						21.80				
		48	20	QPSK	1	0	56442	3670.2	48	20	QPSK	1	99	56640	3690	7.29
					1	99						7.06				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	15	QPSK	1	99	55511	3577.1	7.86
					1	99						7.35				
		48	20	QPSK	1	0	55916	3617.6	48	15	QPSK	1	99	56087	3634.7	12.48
					1	99						21.40				
		48	20	QPSK	1	0	56491	3675.1	48	15	QPSK	1	99	56662	3692.2	6.84
					1	99						6.68				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	10	QPSK	1	99	55484	3574.4	7.78
					1	99						7.45				
		48	20	QPSK	1	0	55941	3620.1	48	10	QPSK	1	99	56085	3634.5	12.26
					1	99						21.36				
		48	20	QPSK	1	0	56541	3680.1	48	10	QPSK	1	99	56685	3694.5	6.84
					1	99						6.71				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	5	QPSK	1	24	55457	3571.7	8.02
					1	99						7.38				
		48	20	QPSK	1	0	55965	3622.5	48	5	QPSK	1	24	56082	3634.2	12.27
					1	99						21.25				
		48	20	QPSK	1	0	56590	3685	48	5	QPSK	1	24	56707	3696.7	6.84
					1	99						6.55				
Intra Band Conti- guous	CA_48C	48	5	QPSK	1	0	55273	3553.3	48	20	QPSK	1	99	55390	3565	7.94
					1	24						7.37				
		48	5	QPSK	1	0	55898	3615.8	48	20	QPSK	1	99	56015	3627.5	12.38
					1	24						21.41				
		48	5	QPSK	1	0	56523	3678.3	48	20	QPSK	1	99	56640	3690	6.91
					1	24						6.62				
Intra Band Conti- guous	CA_48C	48	10	QPSK	1	0	55295	3555.5	48	20	QPSK	1	99	55439	3569.9	7.92
					1	49						7.44				
		48	10	QPSK	1	0	55896	3615.6	48	20	QPSK	1	99	56040	3630	12.36
					1	49						21.35				
		48	10	QPSK	1	0	56496	3675.6	48	20	QPSK	1	99	56640	3690	6.96
					1	49						6.55				
Intra Band Conti- guous	CA_48C	48	15	QPSK	1	0	55318	3557.8	48	20	QPSK	1	99	55489	3574.9	7.89
					1	74						7.35				
		48	15	QPSK	1	0	55893	3615.3	48	20	QPSK	1	99	56064	3632.4	12.42
					1	74						21.34				
		48	15	QPSK	1	0	56469	3672.9	48	20	QPSK	1	99	56640	3690	6.91
					1	74						6.56				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	20	16QAM	1	99	55538	3579.8	7.87
					1	99						7.32				
		48	20	16QAM	1	0	55891	3615.1	48	20	16QAM	1	99	56089	3634.9	12.36
					1	99						21.33				
		48	20	16QAM	1	0	56442	3670.2	48	20	16QAM	1	99	56640	3690	6.88
					1	99						6.65				
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	15	16QAM	1	99	55511	3577.1	7.30
					1	99						6.69				
		48	20	16QAM	1	0	55916	3617.6	48	15	16QAM	1	99	56087	3634.7	11.84
					1	99						20.77				
		48	20	16QAM	1	0	56491	3675.1	48	15	16QAM	1	99	56662	3692.2	6.22
					1	99						6.08				
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	10	16QAM	1	99	55484	3574.4	7.24
					1	99						6.87				
		48	20	16QAM	1	0	55941	3620.1	48	10	16QAM	1	99	56085	3634.5	11.53
					1	99						20.71				
		48	20	16QAM	1	0	56541	3680.1	48	10	16QAM	1	99	56685	3694.5	6.09
					1	99						5.90				
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	5	16QAM	1	24	55457	3571.7	7.31
					1	99						6.70				
		48	20	16QAM	1	0	55965	3622.5	48	5	16QAM	1	24	56082	3634.2	11.67
					1	99						20.74				
		48	20	16QAM	1	0	56590	3685	48	5	16QAM	1	24	56707	3696.7	6.05
					1	99						5.80				
Intra Band Conti- guous	CA_48C	48	5	16QAM	1	0	55273	3553.3	48	20	16QAM	1	99	55390	3565	7.26
					1	24						6.78				
		48	5	16QAM	1	0	55898	3615.8	48	20	16QAM	1	99	56015	3627.5	11.79
					1	24						20.81				
		48	5	16QAM	1	0	56523	3678.3	48	20	16QAM	1	99	56640	3690	6.22
					1	24						5.88				
Intra Band Conti- guous	CA_48C	48	10	16QAM	1	0	55295	3555.5	48	20	16QAM	1	99	55439	3569.9	7.09
					1	49						6.79				
		48	10	16QAM	1	0	55896	3615.6	48	20	16QAM	1	99	56040	3630	11.64
					1	49						20.83				
		48	10	16QAM	1	0	56496	3675.6	48	20	16QAM	1	99	56640	3690	6.24
					1	49						5.97				
Intra Band Conti- guous	CA_48C	48	15	16QAM	1	0	55318	3557.8	48	20	16QAM	1	99	55489	3574.9	7.30
					1	74						6.55				
		48	15	16QAM	1	0	55893	3615.3	48	20	16QAM	1	99	56064	3632.4	11.71
					1	74						20.74				
		48	15	16QAM	1	0	56469	3672.9	48	20	16QAM	1	99	56640	3690	6.21
					1	74						5.82				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	20	64QAM	1	99	55538	3579.8	7.42
					1	99						6.83				
		48	20	64QAM	1	0	55891	3615.1	48	20	64QAM	1	99	56089	3634.9	11.87
					1	99						20.86				
		48	20	64QAM	1	0	56442	3670.2	48	20	64QAM	1	99	56640	3690	6.40
					1	99						6.29				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	15	64QAM	1	99	55511	3577.1	6.86
					1	99						6.30				
		48	20	64QAM	1	0	55916	3617.6	48	15	64QAM	1	99	56087	3634.7	11.41
					1	99						20.24				
		48	20	64QAM	1	0	56491	3675.1	48	15	64QAM	1	99	56662	3692.2	5.81
					1	99						5.71				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	10	64QAM	1	99	55484	3574.4	6.88
					1	99						6.32				
		48	20	64QAM	1	0	55941	3620.1	48	10	64QAM	1	99	56085	3634.5	11.16
					1	99						20.28				
		48	20	64QAM	1	0	56541	3680.1	48	10	64QAM	1	99	56685	3694.5	5.77
					1	99						5.47				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	5	64QAM	1	24	55457	3571.7	6.93
					1	99						6.32				
		48	20	64QAM	1	0	55965	3622.5	48	5	64QAM	1	24	56082	3634.2	11.31
					1	99						20.23				
		48	20	64QAM	1	0	56590	3685	48	5	64QAM	1	24	56707	3696.7	5.58
					1	99						5.45				
Intra Band Conti- guous	CA_48C	48	5	64QAM	1	0	55273	3553.3	48	20	64QAM	1	99	55390	3565	6.90
					1	24						6.35				
		48	5	64QAM	1	0	55898	3615.8	48	20	64QAM	1	99	56015	3627.5	11.32
					1	24						20.35				
		48	5	64QAM	1	0	56523	3678.3	48	20	64QAM	1	99	56640	3690	5.75
					1	24						5.44				
Intra Band Conti- guous	CA_48C	48	10	64QAM	1	0	55295	3555.5	48	20	64QAM	1	99	55439	3569.9	6.76
					1	49						6.42				
		48	10	64QAM	1	0	55896	3615.6	48	20	64QAM	1	99	56040	3630	11.26
					1	49						20.51				
		48	10	64QAM	1	0	56496	3675.6	48	20	64QAM	1	99	56640	3690	5.89
					1	49						5.53				
Intra Band Conti- guous	CA_48C	48	15	64QAM	1	0	55318	3557.8	48	20	64QAM	1	99	55489	3574.9	6.82
					1	74						6.24				
		48	15	64QAM	1	0	55893	3615.3	48	20	64QAM	1	99	56064	3632.4	11.26
					1	74						20.30				
		48	15	64QAM	1	0	56469	3672.9	48	20	64QAM	1	99	56640	3690	5.84
					1	74						5.40				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	20	256 QAM	1	99	55538	3579.8	6.48
					1	99						5.97				
		48	20	256 QAM	1	0	55891	3615.1	48	20	256 QAM	1	99	56089	3634.9	11.11
					1	99						20.07				
		48	20	256 QAM	1	0	56442	3670.2	48	20	256 QAM	1	99	56640	3690	5.47
					1	99						5.23				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	15	256 QAM	1	99	55511	3577.1	6.20
					1	99						5.65				
		48	20	256 QAM	1	0	55916	3617.6	48	15	256 QAM	1	99	56087	3634.7	10.69
					1	99						19.58				
		48	20	256 QAM	1	0	56491	3675.1	48	15	256 QAM	1	99	56662	3692.2	5.14
					1	99						5.16				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	10	256 QAM	1	99	55484	3574.4	6.12
					1	99						5.43				
		48	20	256 QAM	1	0	55941	3620.1	48	10	256 QAM	1	99	56085	3634.5	10.16
					1	99						19.50				
		48	20	256 QAM	1	0	56541	3680.1	48	10	256 QAM	1	99	56685	3694.5	5.04
					1	99						4.49				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	5	256 QAM	1	24	55457	3571.7	6.22
					1	99						5.51				
		48	20	256 QAM	1	0	55965	3622.5	48	5	256 QAM	1	24	56082	3634.2	10.27
					1	99						19.31				
		48	20	256 QAM	1	0	56590	3685	48	5	256 QAM	1	24	56707	3696.7	4.43
					1	99						4.57				
Intra Band Conti- guous	CA_48C	48	5	256 QAM	1	0	55273	3553.3	48	20	256 QAM	1	99	55390	3565	5.91
					1	24						5.69				
		48	5	256 QAM	1	0	55898	3615.8	48	20	256 QAM	1	99	56015	3627.5	10.48
					1	24						19.09				
		48	5	256 QAM	1	0	56523	3678.3	48	20	256 QAM	1	99	56640	3690	4.85
					1	24						4.41				
Intra Band Conti- guous	CA_48C	48	10	256 QAM	1	0	55295	3555.5	48	20	256 QAM	1	99	55439	3569.9	5.83
					1	49						5.50				
		48	10	256 QAM	1	0	55896	3615.6	48	20	256 QAM	1	99	56040	3630	10.61
					1	49						19.93				
		48	10	256 QAM	1	0	56496	3675.6	48	20	256 QAM	1	99	56640	3690	4.62
					1	49						4.64				
Intra Band Conti- guous	CA_48C	48	15	256 QAM	1	0	55318	3557.8	48	20	256 QAM	1	99	55489	3574.9	5.95
					1	74						5.17				
		48	15	256 QAM	1	0	55893	3615.3	48	20	256 QAM	1	99	56064	3632.4	10.48
					1	74						19.60				
		48	15	256 QAM	1	0	56469	3672.9	48	20	256 QAM	1	99	56640	3690	4.79
					1	74						4.55				

LTE Band 48 (CA 48C) Per 10M Power

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	20	QPSK	1	99	55538	3579.8	8.80
					1	99						8.49				
		48	20	QPSK	1	0	55891	3615.1	48	20	QPSK	1	99	56089	3634.9	13.08
					1	99						21.44				
		48	20	QPSK	1	0	56442	3670.2	48	20	QPSK	1	99	56640	3690	7.90
					1	99						7.70				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	15	QPSK	1	99	55511	3577.1	8.79
					1	99						8.43				
		48	20	QPSK	1	0	55916	3617.6	48	15	QPSK	1	99	56087	3634.7	13.08
					1	99						21.25				
		48	20	QPSK	1	0	56491	3675.1	48	15	QPSK	1	99	56662	3692.2	17.07
					1	99						7.66				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	10	QPSK	1	99	55484	3574.4	8.80
					1	99						8.49				
		48	20	QPSK	1	0	55941	3620.1	48	10	QPSK	1	99	56085	3634.5	13.08
					1	99						21.31				
		48	20	QPSK	1	0	56541	3680.1	48	10	QPSK	1	99	56685	3694.5	7.90
					1	99						7.59				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	5	QPSK	1	24	55457	3571.7	8.78
					1	99						8.40				
		48	20	QPSK	1	0	55965	3622.5	48	5	QPSK	1	24	56082	3634.2	13.03
					1	99						21.23				
		48	20	QPSK	1	0	56590	3685	48	5	QPSK	1	24	56707	3696.7	7.79
					1	99						7.63				
Intra Band Conti- guous	CA_48C	48	5	QPSK	1	0	55273	3553.3	48	20	QPSK	1	99	55390	3565	8.73
					1	24						8.43				
		48	5	QPSK	1	0	55898	3615.8	48	20	QPSK	1	99	56015	3627.5	13.05
					1	24						21.41				
		48	5	QPSK	1	0	56523	3678.3	48	20	QPSK	1	99	56640	3690	7.80
					1	24						7.55				
Intra Band Conti- guous	CA_48C	48	10	QPSK	1	0	55295	3555.5	48	20	QPSK	1	99	55439	3569.9	8.78
					1	49						8.47				
		48	10	QPSK	1	0	55896	3615.6	48	20	QPSK	1	99	56040	3630	12.98
					1	49						21.30				
		48	10	QPSK	1	0	56496	3675.6	48	20	QPSK	1	99	56640	3690	7.91
					1	49						7.67				
Intra Band Conti- guous	CA_48C	48	15	QPSK	1	0	55318	3557.8	48	20	QPSK	1	99	55489	3574.9	8.77
					1	74						8.54				
		48	15	QPSK	1	0	55893	3615.3	48	20	QPSK	1	99	56064	3632.4	13.08
					1	74						21.39				
		48	15	QPSK	1	0	56469	3672.9	48	20	QPSK	1	99	56640	3690	7.93
					1	74						7.56				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	20	16QAM	1	99	55538	3579.8	8.16
					1	99						7.79				
		48	20	16QAM	1	0	55891	3615.1	48	20	16QAM	1	99	56089	3634.9	12.78
					1	99						21.14				
		48	20	16QAM	1	0	56442	3670.2	48	20	16QAM	1	99	56640	3690	7.68
					1	99						7.48				
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	15	16QAM	1	99	55511	3577.1	8.08
					1	99						7.76				
		48	20	16QAM	1	0	55916	3617.6	48	15	16QAM	1	99	56087	3634.7	12.66
					1	99						21.04				
		48	20	16QAM	1	0	56491	3675.1	48	15	16QAM	1	99	56662	3692.2	7.70
					1	99						7.41				
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	10	16QAM	1	99	55484	3574.4	8.05
					1	99						7.85				
		48	20	16QAM	1	0	55941	3620.1	48	10	16QAM	1	99	56085	3634.5	12.63
					1	99						21.13				
		48	20	16QAM	1	0	56541	3680.1	48	10	16QAM	1	99	56685	3694.5	7.72
					1	99						7.37				
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	5	16QAM	1	24	55457	3571.7	8.10
					1	99						7.79				
		48	20	16QAM	1	0	55965	3622.5	48	5	16QAM	1	24	56082	3634.2	12.67
					1	99						20.99				
		48	20	16QAM	1	0	56590	3685	48	5	16QAM	1	24	56707	3696.7	7.66
					1	99						7.35				
Intra Band Conti- guous	CA_48C	48	5	16QAM	1	0	55273	3553.3	48	20	16QAM	1	99	55390	3565	8.05
					1	24						7.72				
		48	5	16QAM	1	0	55898	3615.8	48	20	16QAM	1	99	56015	3627.5	12.62
					1	24						21.01				
		48	5	16QAM	1	0	56523	3678.3	48	20	16QAM	1	99	56640	3690	7.66
					1	24						7.40				
Intra Band Conti- guous	CA_48C	48	10	16QAM	1	0	55295	3555.5	48	20	16QAM	1	99	55439	3569.9	7.99
					1	49						7.83				
		48	10	16QAM	1	0	55896	3615.6	48	20	16QAM	1	99	56040	3630	12.59
					1	49						21.05				
		48	10	16QAM	1	0	56496	3675.6	48	20	16QAM	1	99	56640	3690	7.56
					1	49						7.40				
Intra Band Conti- guous	CA_48C	48	15	16QAM	1	0	55318	3557.8	48	20	16QAM	1	99	55489	3574.9	8.10
					1	74						7.88				
		48	15	16QAM	1	0	55893	3615.3	48	20	16QAM	1	99	56064	3632.4	12.58
					1	74						21.14				
		48	15	16QAM	1	0	56469	3672.9	48	20	16QAM	1	99	56640	3690	7.67
					1	74						7.42				

Configure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	20	64QAM	1	99	55538	3579.8	7.75
					1	99						7.50				
		48	20	64QAM	1	0	55891	3615.1	48	20	64QAM	1	99	56089	3634.9	12.50
					1	99						20.75				
		48	20	64QAM	1	0	56442	3670.2	48	20	64QAM	1	99	56640	3690	6.99
					1	99						7.02				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	15	64QAM	1	99	55511	3577.1	7.76
					1	99						7.54				
		48	20	64QAM	1	0	55916	3617.6	48	15	64QAM	1	99	56087	3634.7	12.42
					1	99						20.61				
		48	20	64QAM	1	0	56491	3675.1	48	15	64QAM	1	99	56662	3692.2	7.04
					1	99						6.93				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	10	64QAM	1	99	55484	3574.4	7.73
					1	99						7.46				
		48	20	64QAM	1	0	55941	3620.1	48	10	64QAM	1	99	56085	3634.5	12.44
					1	99						20.62				
		48	20	64QAM	1	0	56541	3680.1	48	10	64QAM	1	99	56685	3694.5	6.98
					1	99						7.02				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	5	64QAM	1	24	55457	3571.7	7.63
					1	99						7.48				
		48	20	64QAM	1	0	55965	3622.5	48	5	64QAM	1	24	56082	3634.2	12.45
					1	99						20.57				
		48	20	64QAM	1	0	56590	3685	48	5	64QAM	1	24	56707	3696.7	7.02
					1	99						6.99				
Intra Band Conti- guous	CA_48C	48	5	64QAM	1	0	55273	3553.3	48	20	64QAM	1	99	55390	3565	7.73
					1	24						7.42				
		48	5	64QAM	1	0	55898	3615.8	48	20	64QAM	1	99	56015	3627.5	12.46
					1	24						20.70				
		48	5	64QAM	1	0	56523	3678.3	48	20	64QAM	1	99	56640	3690	7.06
					1	24						7.03				
Intra Band Conti- guous	CA_48C	48	10	64QAM	1	0	55295	3555.5	48	20	64QAM	1	99	55439	3569.9	7.77
					1	49						7.50				
		48	10	64QAM	1	0	55896	3615.6	48	20	64QAM	1	99	56040	3630	12.50
					1	49						20.71				
		48	10	64QAM	1	0	56496	3675.6	48	20	64QAM	1	99	56640	3690	7.09
					1	49						6.98				
Intra Band Conti- guous	CA_48C	48	15	64QAM	1	0	55318	3557.8	48	20	64QAM	1	99	55489	3574.9	7.72
					1	74						7.45				
		48	15	64QAM	1	0	55893	3615.3	48	20	64QAM	1	99	56064	3632.4	12.34
					1	74						20.60				
		48	15	64QAM	1	0	56469	3672.9	48	20	64QAM	1	99	56640	3690	6.92
					1	74						6.96				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
															Total	
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	20	256 QAM	1	99	55538	3579.8	6.97
					1	99						6.85				
		48	20	256 QAM	1	0	55891	3615.1	48	20	256 QAM	1	99	56089	3634.9	11.38
					1	99						20.02				
		48	20	256 QAM	1	0	56442	3670.2	48	20	256 QAM	1	99	56640	3690	6.15
					1	99						6.10				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	15	256 QAM	1	99	55511	3577.1	6.91
					1	99						6.32				
		48	20	256 QAM	1	0	55916	3617.6	48	15	256 QAM	1	99	56087	3634.7	11.24
					1	99						20.00				
		48	20	256 QAM	1	0	56491	3675.1	48	15	256 QAM	1	99	56662	3692.2	5.94
					1	99						6.15				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	10	256 QAM	1	99	55484	3574.4	7.07
					1	99						6.52				
		48	20	256 QAM	1	0	55941	3620.1	48	10	256 QAM	1	99	56085	3634.5	11.28
					1	99						19.81				
		48	20	256 QAM	1	0	56541	3680.1	48	10	256 QAM	1	99	56685	3694.5	6.20
					1	99						6.02				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	5	256 QAM	1	24	55457	3571.7	6.66
					1	99						6.61				
		48	20	256 QAM	1	0	55965	3622.5	48	5	256 QAM	1	24	56082	3634.2	11.53
					1	99						19.49				
		48	20	256 QAM	1	0	56590	3685	48	5	256 QAM	1	24	56707	3696.7	6.06
					1	99						6.38				
Intra Band Conti- guous	CA_48C	48	5	256 QAM	1	0	55273	3553.3	48	20	256 QAM	1	99	55390	3565	6.80
					1	24						6.35				
		48	5	256 QAM	1	0	55898	3615.8	48	20	256 QAM	1	99	56015	3627.5	11.20
					1	24						19.63				
		48	5	256 QAM	1	0	56523	3678.3	48	20	256 QAM	1	99	56640	3690	6.01
					1	24						6.28				
Intra Band Conti- guous	CA_48C	48	10	256 QAM	1	0	55295	3555.5	48	20	256 QAM	1	99	55439	3569.9	6.83
					1	49						6.74				
		48	10	256 QAM	1	0	55896	3615.6	48	20	256 QAM	1	99	56040	3630	11.64
					1	49						19.99				
		48	10	256 QAM	1	0	56496	3675.6	48	20	256 QAM	1	99	56640	3690	6.35
					1	49						6.05				
Intra Band Conti- guous	CA_48C	48	15	256 QAM	1	0	55318	3557.8	48	20	256 QAM	1	99	55489	3574.9	6.73
					1	74						6.41				
		48	15	256 QAM	1	0	55893	3615.3	48	20	256 QAM	1	99	56064	3632.4	11.57
					1	74						20.02				
		48	15	256 QAM	1	0	56469	3672.9	48	20	256 QAM	1	99	56640	3690	6.32
					1	74						6.33				

LTE Band 42 (CA 42C)_ Full Power

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	20	QPSK	1	99	43388	3579.8	8.20
					1	99						7.59				
		42	20	QPSK	1	0	43241	3565.1	42	20	QPSK	1	99	43439	3584.9	12.55
					1	99						21.54				
		42	20	QPSK	1	0	43292	3570.2	42	20	QPSK	1	99	43490	3590	7.01
					1	99						6.90				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	15	QPSK	1	99	43361	3577.1	7.68
					1	99						7.23				
		42	20	QPSK	1	0	43265	3567.5	42	15	QPSK	1	99	43436	3584.6	12.30
					1	99						21.34				
		42	20	QPSK	1	0	43341	3575.1	42	15	QPSK	1	99	43512	3592.2	6.66
					1	99						6.46				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	10	QPSK	1	99	43334	3574.4	7.71
					1	99						7.26				
		42	20	QPSK	1	0	43335	3574.5	42	10	QPSK	1	99	43479	3588.9	12.11
					1	99						21.18				
		42	20	QPSK	1	0	43391	3580.1	42	10	QPSK	1	99	43535	3594.5	6.44
					1	99						6.60				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	5	QPSK	1	24	43307	3571.7	7.75
					1	99						7.15				
		42	20	QPSK	1	0	43315	3572.5	42	5	QPSK	1	24	43432	3584.2	12.04
					1	99						21.13				
		42	20	QPSK	1	0	43440	3585	42	5	QPSK	1	24	43557	3596.7	6.56
					1	99						6.44				
Intra Band Conti- guous	CA_42C	42	5	QPSK	1	0	43115	3552.5	42	20	QPSK	1	99	43232	3564.2	7.81
					1	24						7.20				
		42	5	QPSK	1	0	43244	3565.4	42	20	QPSK	1	99	43361	3577.1	12.15
					1	24						21.25				
		42	5	QPSK	1	0	43373	3578.3	42	20	QPSK	1	99	43490	3590	6.71
					1	24						6.29				
Intra Band Conti- guous	CA_42C	42	10	QPSK	1	0	43140	3555	42	20	QPSK	1	99	43284	3569.4	7.68
					1	49						7.31				
		42	10	QPSK	1	0	43242	3565.2	42	20	QPSK	1	99	43386	3579.6	12.11
					1	49						21.18				
		42	10	QPSK	1	0	43346	3575.6	42	20	QPSK	1	99	43490	3590	6.74
					1	49						6.37				
Intra Band Conti- guous	CA_42C	42	15	QPSK	1	0	43165	3557.5	42	20	QPSK	1	99	43336	3574.6	7.78
					1	74						7.18				
		42	15	QPSK	1	0	43242	3565.2	42	20	QPSK	1	99	43413	3582.3	12.25
					1	74						21.10				
		42	15	QPSK	1	0	43319	3572.9	42	20	QPSK	1	99	43490	3590	6.57
					1	74						6.42				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	20	16QAM	1	99	43388	3579.8	7.64
					1	99						6.97				
		42	20	16QAM	1	0	43241	3565.1	42	20	16QAM	1	99	43439	3584.9	12.01
					1	99						20.96				
		42	20	16QAM	1	0	43292	3570.2	42	20	16QAM	1	99	43490	3590	6.74
					1	99						6.21				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	15	16QAM	1	99	43361	3577.1	7.05
					1	99						6.57				
		42	20	16QAM	1	0	43265	3567.5	42	15	16QAM	1	99	43436	3584.6	11.58
					1	99						20.55				
		42	20	16QAM	1	0	43341	3575.1	42	15	16QAM	1	99	43512	3592.2	5.80
					1	99						5.68				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	10	16QAM	1	99	43334	3574.4	6.99
					1	99						6.73				
		42	20	16QAM	1	0	43335	3574.5	42	10	16QAM	1	99	43479	3588.9	11.14
					1	99						20.39				
		42	20	16QAM	1	0	43391	3580.1	42	10	16QAM	1	99	43535	3594.5	5.75
					1	99						5.57				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	5	16QAM	1	24	43307	3571.7	7.05
					1	99						6.36				
		42	20	16QAM	1	0	43315	3572.5	42	5	16QAM	1	24	43432	3584.2	11.42
					1	99						20.49				
		42	20	16QAM	1	0	43440	3585	42	5	16QAM	1	24	43557	3596.7	5.78
					1	99						5.40				
Intra Band Conti- guous	CA_42C	42	5	16QAM	1	0	43115	3552.5	42	20	16QAM	1	99	43232	3564.2	6.92
					1	24						6.44				
		42	5	16QAM	1	0	43244	3565.4	42	20	16QAM	1	99	43361	3577.1	11.43
					1	24						20.60				
		42	5	16QAM	1	0	43373	3578.3	42	20	16QAM	1	99	43490	3590	5.94
					1	24						5.64				
Intra Band Conti- guous	CA_42C	42	10	16QAM	1	0	43140	3555	42	20	16QAM	1	99	43284	3569.4	6.85
					1	49						6.54				
		42	10	16QAM	1	0	43242	3565.2	42	20	16QAM	1	99	43386	3579.6	11.43
					1	49						20.57				
		42	10	16QAM	1	0	43346	3575.6	42	20	16QAM	1	99	43490	3590	5.98
					1	49						5.71				
Intra Band Conti- guous	CA_42C	42	15	16QAM	1	0	43165	3557.5	42	20	16QAM	1	99	43336	3574.6	7.07
					1	74						6.45				
		42	15	16QAM	1	0	43242	3565.2	42	20	16QAM	1	99	43413	3582.3	11.40
					1	74						20.44				
		42	15	16QAM	1	0	43319	3572.9	42	20	16QAM	1	99	43490	3590	5.99
					1	74						5.61				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	20	64QAM	1	99	43388	3579.8	7.23
					1	99						6.58				
		42	20	64QAM	1	0	43241	3565.1	42	20	64QAM	1	99	43439	3584.9	11.86
					1	99						20.65				
		42	20	64QAM	1	0	43292	3570.2	42	20	64QAM	1	99	43490	3590	6.16
					1	99						6.12				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	15	64QAM	1	99	43361	3577.1	6.53
					1	99						6.26				
		42	20	64QAM	1	0	43265	3567.5	42	15	64QAM	1	99	43436	3584.6	11.18
					1	99						20.00				
		42	20	64QAM	1	0	43341	3575.1	42	15	64QAM	1	99	43512	3592.2	5.50
					1	99						5.46				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	10	64QAM	1	99	43334	3574.4	6.52
					1	99						6.21				
		42	20	64QAM	1	0	43335	3574.5	42	10	64QAM	1	99	43479	3588.9	10.94
					1	99						20.08				
		42	20	64QAM	1	0	43391	3580.1	42	10	64QAM	1	99	43535	3594.5	5.50
					1	99						5.29				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	5	64QAM	1	24	43307	3571.7	6.79
					1	99						6.12				
		42	20	64QAM	1	0	43315	3572.5	42	5	64QAM	1	24	43432	3584.2	11.05
					1	99						20.04				
		42	20	64QAM	1	0	43440	3585	42	5	64QAM	1	24	43557	3596.7	5.39
					1	99						5.11				
Intra Band Conti- guous	CA_42C	42	5	64QAM	1	0	43115	3552.5	42	20	64QAM	1	99	43232	3564.2	6.69
					1	24						6.17				
		42	5	64QAM	1	0	43244	3565.4	42	20	64QAM	1	99	43361	3577.1	11.13
					1	24						20.24				
		42	5	64QAM	1	0	43373	3578.3	42	20	64QAM	1	99	43490	3590	5.52
					1	24						5.18				
Intra Band Conti- guous	CA_42C	42	10	64QAM	1	0	43140	3555	42	20	64QAM	1	99	43284	3569.4	6.46
					1	49						6.14				
		42	10	64QAM	1	0	43242	3565.2	42	20	64QAM	1	99	43386	3579.6	11.11
					1	49						20.21				
		42	10	64QAM	1	0	43346	3575.6	42	20	64QAM	1	99	43490	3590	5.63
					1	49						5.37				
Intra Band Conti- guous	CA_42C	42	15	64QAM	1	0	43165	3557.5	42	20	64QAM	1	99	43336	3574.6	6.54
					1	74						5.94				
		42	15	64QAM	1	0	43242	3565.2	42	20	64QAM	1	99	43413	3582.3	11.06
					1	74						20.00				
		42	15	64QAM	1	0	43319	3572.9	42	20	64QAM	1	99	43490	3590	5.64
					1	74						5.22				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	20	256 QAM	1	99	43388	3579.8	6.24
					1	99						5.70				
		42	20	256 QAM	1	0	43241	3565.1	42	20	256 QAM	1	99	43439	3584.9	10.84
					1	99						19.84				
		42	20	256 QAM	1	0	43292	3570.2	42	20	256 QAM	1	99	43490	3590	5.20
					1	99						5.04				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	15	256 QAM	1	99	43361	3577.1	6.00
					1	99						5.40				
		42	20	256 QAM	1	0	43265	3567.5	42	15	256 QAM	1	99	43436	3584.6	10.45
					1	99						19.34				
		42	20	256 QAM	1	0	43341	3575.1	42	15	256 QAM	1	99	43512	3592.2	5.01
					1	99						4.83				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	10	256 QAM	1	99	43334	3574.4	5.92
					1	99						5.27				
		42	20	256 QAM	1	0	43335	3574.5	42	10	256 QAM	1	99	43479	3588.9	9.91
					1	99						19.20				
		42	20	256 QAM	1	0	43391	3580.1	42	10	256 QAM	1	99	43535	3594.5	4.69
					1	99						4.19				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	5	256 QAM	1	24	43307	3571.7	5.99
					1	99						5.15				
		42	20	256 QAM	1	0	43315	3572.5	42	5	256 QAM	1	24	43432	3584.2	10.12
					1	99						19.10				
		42	20	256 QAM	1	0	43440	3585	42	5	256 QAM	1	24	43557	3596.7	4.25
					1	99						4.40				
Intra Band Conti- guous	CA_42C	42	5	256 QAM	1	0	43115	3552.5	42	20	256 QAM	1	99	43232	3564.2	5.65
					1	24						5.45				
		42	5	256 QAM	1	0	43244	3565.4	42	20	256 QAM	1	99	43361	3577.1	10.41
					1	24						18.98				
		42	5	256 QAM	1	0	43373	3578.3	42	20	256 QAM	1	99	43490	3590	4.62
					1	24						4.15				
Intra Band Conti- guous	CA_42C	42	10	256 QAM	1	0	43140	3555	42	20	256 QAM	1	99	43284	3569.4	5.54
					1	49						5.28				
		42	10	256 QAM	1	0	43242	3565.2	42	20	256 QAM	1	99	43386	3579.6	10.45
					1	49						19.68				
		42	10	256 QAM	1	0	43346	3575.6	42	20	256 QAM	1	99	43490	3590	4.49
					1	49						4.37				
Intra Band Conti- guous	CA_42C	42	15	256 QAM	1	0	43165	3557.5	42	20	256 QAM	1	99	43336	3574.6	5.61
					1	74						4.91				
		42	15	256 QAM	1	0	43242	3565.2	42	20	256 QAM	1	99	43413	3582.3	10.19
					1	74						19.37				
		42	15	256 QAM	1	0	43319	3572.9	42	20	256 QAM	1	99	43490	3590	4.57
					1	74						4.22				

LTE Band 42 (CA 42C)_Per 10M Power

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	20	QPSK	1	99	43388	3579.8	7.65
					1	99						7.28				
		42	20	QPSK	1	0	43241	3565.1	42	20	QPSK	1	99	43439	3584.9	12.12
					1	99						21.15				
		42	20	QPSK	1	0	43292	3570.2	42	20	QPSK	1	99	43490	3590	6.50
					1	99						6.43				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	15	QPSK	1	99	43361	3577.1	7.31
					1	99						6.72				
		42	20	QPSK	1	0	43265	3567.5	42	15	QPSK	1	99	43436	3584.6	11.85
					1	99						20.98				
		42	20	QPSK	1	0	43341	3575.1	42	15	QPSK	1	99	43512	3592.2	6.15
					1	99						5.98				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	10	QPSK	1	99	43334	3574.4	7.28
					1	99						6.92				
		42	20	QPSK	1	0	43335	3574.5	42	10	QPSK	1	99	43479	3588.9	11.68
					1	99						20.77				
		42	20	QPSK	1	0	43391	3580.1	42	10	QPSK	1	99	43535	3594.5	6.02
					1	99						6.20				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	5	QPSK	1	24	43307	3571.7	7.35
					1	99						6.72				
		42	20	QPSK	1	0	43315	3572.5	42	5	QPSK	1	24	43432	3584.2	11.75
					1	99						20.75				
		42	20	QPSK	1	0	43440	3585	42	5	QPSK	1	24	43557	3596.7	6.13
					1	99						6.06				
Intra Band Conti- guous	CA_42C	42	5	QPSK	1	0	43115	3552.5	42	20	QPSK	1	99	43232	3564.2	7.40
					1	24						6.98				
		42	5	QPSK	1	0	43244	3565.4	42	20	QPSK	1	99	43361	3577.1	11.72
					1	24						20.89				
		42	5	QPSK	1	0	43373	3578.3	42	20	QPSK	1	99	43490	3590	6.38
					1	24						5.94				
Intra Band Conti- guous	CA_42C	42	10	QPSK	1	0	43140	3555	42	20	QPSK	1	99	43284	3569.4	7.32
					1	49						6.87				
		42	10	QPSK	1	0	43242	3565.2	42	20	QPSK	1	99	43386	3579.6	11.70
					1	49						20.83				
		42	10	QPSK	1	0	43346	3575.6	42	20	QPSK	1	99	43490	3590	6.31
					1	49						6.02				
Intra Band Conti- guous	CA_42C	42	15	QPSK	1	0	43165	3557.5	42	20	QPSK	1	99	43336	3574.6	7.31
					1	74						6.76				
		42	15	QPSK	1	0	43242	3565.2	42	20	QPSK	1	99	43413	3582.3	11.75
					1	74						20.82				
		42	15	QPSK	1	0	43319	3572.9	42	20	QPSK	1	99	43490	3590	6.17
					1	74						5.96				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	20	16QAM	1	99	43388	3579.8	7.15
					1	99						6.59				
		42	20	16QAM	1	0	43241	3565.1	42	20	16QAM	1	99	43439	3584.9	11.55
					1	99						20.63				
		42	20	16QAM	1	0	43292	3570.2	42	20	16QAM	1	99	43490	3590	6.42
					1	99						5.90				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	15	16QAM	1	99	43361	3577.1	6.68
					1	99						6.21				
		42	20	16QAM	1	0	43265	3567.5	42	15	16QAM	1	99	43436	3584.6	11.29
					1	99						20.26				
		42	20	16QAM	1	0	43341	3575.1	42	15	16QAM	1	99	43512	3592.2	5.65
					1	99						5.45				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	10	16QAM	1	99	43334	3574.4	6.69
					1	99						6.24				
		42	20	16QAM	1	0	43335	3574.5	42	10	16QAM	1	99	43479	3588.9	10.90
					1	99						20.03				
		42	20	16QAM	1	0	43391	3580.1	42	10	16QAM	1	99	43535	3594.5	5.42
					1	99						5.30				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	5	16QAM	1	24	43307	3571.7	6.75
					1	99						6.08				
		42	20	16QAM	1	0	43315	3572.5	42	5	16QAM	1	24	43432	3584.2	11.18
					1	99						20.05				
		42	20	16QAM	1	0	43440	3585	42	5	16QAM	1	24	43557	3596.7	5.54
					1	99						5.15				
Intra Band Conti- guous	CA_42C	42	5	16QAM	1	0	43115	3552.5	42	20	16QAM	1	99	43232	3564.2	6.59
					1	24						6.09				
		42	5	16QAM	1	0	43244	3565.4	42	20	16QAM	1	99	43361	3577.1	11.13
					1	24						20.22				
		42	5	16QAM	1	0	43373	3578.3	42	20	16QAM	1	99	43490	3590	5.58
					1	24						5.23				
Intra Band Conti- guous	CA_42C	42	10	16QAM	1	0	43140	3555	42	20	16QAM	1	99	43284	3569.4	6.60
					1	49						6.07				
		42	10	16QAM	1	0	43242	3565.2	42	20	16QAM	1	99	43386	3579.6	11.01
					1	49						20.25				
		42	10	16QAM	1	0	43346	3575.6	42	20	16QAM	1	99	43490	3590	5.72
					1	49						5.34				
Intra Band Conti- guous	CA_42C	42	15	16QAM	1	0	43165	3557.5	42	20	16QAM	1	99	43336	3574.6	6.75
					1	74						5.89				
		42	15	16QAM	1	0	43242	3565.2	42	20	16QAM	1	99	43413	3582.3	11.04
					1	74						20.14				
		42	15	16QAM	1	0	43319	3572.9	42	20	16QAM	1	99	43490	3590	5.55
					1	74						5.23				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	20	64QAM	1	99	43388	3579.8	6.79
					1	99						6.19				
		42	20	64QAM	1	0	43241	3565.1	42	20	64QAM	1	99	43439	3584.9	11.40
					1	99						20.42				
		42	20	64QAM	1	0	43292	3570.2	42	20	64QAM	1	99	43490	3590	5.76
					1	99						5.68				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	15	64QAM	1	99	43361	3577.1	6.33
					1	99						5.82				
		42	20	64QAM	1	0	43265	3567.5	42	15	64QAM	1	99	43436	3584.6	10.88
					1	99						19.47				
		42	20	64QAM	1	0	43341	3575.1	42	15	64QAM	1	99	43512	3592.2	5.21
					1	99						5.15				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	10	64QAM	1	99	43334	3574.4	6.19
					1	99						5.90				
		42	20	64QAM	1	0	43335	3574.5	42	10	64QAM	1	99	43479	3588.9	10.68
					1	99						19.70				
		42	20	64QAM	1	0	43391	3580.1	42	10	64QAM	1	99	43535	3594.5	5.11
					1	99						5.06				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	5	64QAM	1	24	43307	3571.7	6.53
					1	99						5.77				
		42	20	64QAM	1	0	43315	3572.5	42	5	64QAM	1	24	43432	3584.2	10.66
					1	99						19.68				
		42	20	64QAM	1	0	43440	3585	42	5	64QAM	1	24	43557	3596.7	5.01
					1	99						4.69				
Intra Band Conti- guous	CA_42C	42	5	64QAM	1	0	43115	3552.5	42	20	64QAM	1	99	43232	3564.2	6.29
					1	24						5.83				
		42	5	64QAM	1	0	43244	3565.4	42	20	64QAM	1	99	43361	3577.1	10.76
					1	24						19.77				
		42	5	64QAM	1	0	43373	3578.3	42	20	64QAM	1	99	43490	3590	5.30
					1	24						4.92				
Intra Band Conti- guous	CA_42C	42	10	64QAM	1	0	43140	3555	42	20	64QAM	1	99	43284	3569.4	6.08
					1	49						5.78				
		42	10	64QAM	1	0	43242	3565.2	42	20	64QAM	1	99	43386	3579.6	10.72
					1	49						19.90				
		42	10	64QAM	1	0	43346	3575.6	42	20	64QAM	1	99	43490	3590	5.24
					1	49						5.00				
Intra Band Conti- guous	CA_42C	42	15	64QAM	1	0	43165	3557.5	42	20	64QAM	1	99	43336	3574.6	6.21
					1	74						5.63				
		42	15	64QAM	1	0	43242	3565.2	42	20	64QAM	1	99	43413	3582.3	10.60
					1	74						19.59				
		42	15	64QAM	1	0	43319	3572.9	42	20	64QAM	1	99	43490	3590	5.16
					1	74						4.75				

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Tx Power with UL-CA Active (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	20	256 QAM	1	99	43388	3579.8	5.95
					1	99						5.34				
		42	20	256 QAM	1	0	43241	3565.1	42	20	256 QAM	1	99	43439	3584.9	10.37
					1	99						19.60				
		42	20	256 QAM	1	0	43292	3570.2	42	20	256 QAM	1	99	43490	3590	4.90
					1	99						4.68				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	15	256 QAM	1	99	43361	3577.1	5.59
					1	99						5.04				
		42	20	256 QAM	1	0	43265	3567.5	42	15	256 QAM	1	99	43436	3584.6	10.08
					1	99						18.87				
		42	20	256 QAM	1	0	43341	3575.1	42	15	256 QAM	1	99	43512	3592.2	4.51
					1	99						4.47				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	10	256 QAM	1	99	43334	3574.4	5.55
					1	99						4.91				
		42	20	256 QAM	1	0	43335	3574.5	42	10	256 QAM	1	99	43479	3588.9	9.73
					1	99						18.90				
		42	20	256 QAM	1	0	43391	3580.1	42	10	256 QAM	1	99	43535	3594.5	4.41
					1	99						3.80				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	5	256 QAM	1	24	43307	3571.7	5.69
					1	99						4.81				
		42	20	256 QAM	1	0	43315	3572.5	42	5	256 QAM	1	24	43432	3584.2	9.68
					1	99						18.70				
		42	20	256 QAM	1	0	43440	3585	42	5	256 QAM	1	24	43557	3596.7	3.96
					1	99						4.04				
Intra Band Conti- guous	CA_42C	42	5	256 QAM	1	0	43115	3552.5	42	20	256 QAM	1	99	43232	3564.2	5.25
					1	24						5.21				
		42	5	256 QAM	1	0	43244	3565.4	42	20	256 QAM	1	99	43361	3577.1	10.00
					1	24						18.57				
		42	5	256 QAM	1	0	43373	3578.3	42	20	256 QAM	1	99	43490	3590	4.17
					1	24						3.79				
Intra Band Conti- guous	CA_42C	42	10	256 QAM	1	0	43140	3555	42	20	256 QAM	1	99	43284	3569.4	5.27
					1	49						4.92				
		42	10	256 QAM	1	0	43242	3565.2	42	20	256 QAM	1	99	43386	3579.6	10.01
					1	49						19.29				
		42	10	256 QAM	1	0	43346	3575.6	42	20	256 QAM	1	99	43490	3590	4.08
					1	49						3.89				
Intra Band Conti- guous	CA_42C	42	15	256 QAM	1	0	43165	3557.5	42	20	256 QAM	1	99	43336	3574.6	5.22
					1	74						4.58				
		42	15	256 QAM	1	0	43242	3565.2	42	20	256 QAM	1	99	43413	3582.3	9.89
					1	74						19.07				
		42	15	256 QAM	1	0	43319	3572.9	42	20	256 QAM	1	99	43490	3590	4.28
					1	74						3.92				

EIRP Power (dBm)
 LTE Band 48 (CA 48C) Full Power

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
															Total	
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	20	QPSK	1	99	55538	3579.8	9.22
					1	99						8.68				
		48	20	QPSK	1	0	55891	3615.1	48	20	QPSK	1	99	56089	3634.9	13.72
					1	99						22.72				
		48	20	QPSK	1	0	56442	3670.2	48	20	QPSK	1	99	56640	3690	8.21
					1	99						7.98				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	15	QPSK	1	99	55511	3577.1	8.78
					1	99						8.27				
		48	20	QPSK	1	0	55916	3617.6	48	15	QPSK	1	99	56087	3634.7	13.40
					1	99						22.32				
		48	20	QPSK	1	0	56491	3675.1	48	15	QPSK	1	99	56662	3692.2	7.76
					1	99						7.60				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	10	QPSK	1	99	55484	3574.4	8.70
					1	99						8.37				
		48	20	QPSK	1	0	55941	3620.1	48	10	QPSK	1	99	56085	3634.5	13.18
					1	99						22.28				
		48	20	QPSK	1	0	56541	3680.1	48	10	QPSK	1	99	56685	3694.5	7.76
					1	99						7.63				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	5	QPSK	1	24	55457	3571.7	8.94
					1	99						8.30				
		48	20	QPSK	1	0	55965	3622.5	48	5	QPSK	1	24	56082	3634.2	13.19
					1	99						22.17				
		48	20	QPSK	1	0	56590	3685	48	5	QPSK	1	24	56707	3696.7	7.76
					1	99						7.47				
Intra Band Conti- guous	CA_48C	48	5	QPSK	1	0	55273	3553.3	48	20	QPSK	1	99	55390	3565	8.86
					1	24						8.29				
		48	5	QPSK	1	0	55898	3615.8	48	20	QPSK	1	99	56015	3627.5	13.30
					1	24						22.33				
		48	5	QPSK	1	0	56523	3678.3	48	20	QPSK	1	99	56640	3690	7.83
					1	24						7.54				
Intra Band Conti- guous	CA_48C	48	10	QPSK	1	0	55295	3555.5	48	20	QPSK	1	99	55439	3569.9	8.84
					1	49						8.36				
		48	10	QPSK	1	0	55896	3615.6	48	20	QPSK	1	99	56040	3630	13.28
					1	49						22.27				
		48	10	QPSK	1	0	56496	3675.6	48	20	QPSK	1	99	56640	3690	7.88
					1	49						7.47				
Intra Band Conti- guous	CA_48C	48	15	QPSK	1	0	55318	3557.8	48	20	QPSK	1	99	55489	3574.9	8.81
					1	74						8.27				
		48	15	QPSK	1	0	55893	3615.3	48	20	QPSK	1	99	56064	3632.4	13.34
					1	74						22.26				
		48	15	QPSK	1	0	56469	3672.9	48	20	QPSK	1	99	56640	3690	7.83
					1	74						7.48				

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)	
																Total	
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	20	16QAM	1	99	55538	3579.8	8.79	
					1	99						8.24					
		48	20	16QAM	1	0	55891	3615.1	48	20	16QAM	1	99	56089	3634.9	13.28	
					1	99						22.25					
		48	20	16QAM	1	0	56442	3670.2	48	20	16QAM	1	99	56640	3690	7.80	
					1	99						7.57					
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	15	16QAM	1	99	55511	3577.1	8.22	
					1	99						7.61					
		48	20	16QAM	1	0	55916	3617.6	48	15	16QAM	1	99	56087	3634.7	12.76	
					1	99						21.69					
		48	20	16QAM	1	0	56491	3675.1	48	15	16QAM	1	99	56662	3692.2	7.14	
					1	99						7.00					
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	10	16QAM	1	99	55484	3574.4	8.16	
					1	99						7.79					
		48	20	16QAM	1	0	55941	3620.1	48	10	16QAM	1	99	56085	3634.5	12.45	
					1	99						21.63					
		48	20	16QAM	1	0	56541	3680.1	48	10	16QAM	1	99	56685	3694.5	7.01	
					1	99						6.82					
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	5	16QAM	1	24	55457	3571.7	8.23	
					1	99						7.62					
		48	20	16QAM	1	0	55965	3622.5	48	5	16QAM	1	24	56082	3634.2	12.59	
					1	99						21.66					
		48	20	16QAM	1	0	56590	3685	48	5	16QAM	1	24	56707	3696.7	6.97	
					1	99						6.72					
Intra Band Conti- guous	CA_48C	48	5	16QAM	1	0	55273	3553.3	48	20	16QAM	1	99	55390	3565	8.18	
					1	24						7.70					
		48	5	16QAM	1	0	55898	3615.8	48	20	16QAM	1	99	56015	3627.5	12.71	
					1	24						21.73					
		48	5	16QAM	1	0	56523	3678.3	48	20	16QAM	1	99	56640	3690	7.14	
					1	24						6.80					
Intra Band Conti- guous	CA_48C	48	10	16QAM	1	0	55295	3555.5	48	20	16QAM	1	99	55439	3569.9	8.01	
					1	49						7.71					
		48	10	16QAM	1	0	55896	3615.6	48	20	16QAM	1	99	56040	3630	12.56	
					1	49						21.75					
		48	10	16QAM	1	0	56496	3675.6	48	20	16QAM	1	99	56640	3690	7.16	
					1	49						6.89					
Intra Band Conti- guous	CA_48C	48	15	16QAM	1	0	55318	3557.8	48	20	16QAM	1	99	55489	3574.9	8.22	
					1	74						7.47					
		48	15	16QAM	1	0	55893	3615.3	48	20	16QAM	1	99	56064	3632.4	12.63	
					1	74						21.66					
		48	15	16QAM	1	0	56469	3672.9	48	20	16QAM	1	99	56640	3690	7.13	
					1	74						6.74					

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	20	64QAM	1	99	55538	3579.8	8.34
					1	99						7.75				
		48	20	64QAM	1	0	55891	3615.1	48	20	64QAM	1	99	56089	3634.9	12.79
					1	99						21.78				
		48	20	64QAM	1	0	56442	3670.2	48	20	64QAM	1	99	56640	3690	7.32
					1	99						7.21				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	15	64QAM	1	99	55511	3577.1	7.78
					1	99						7.22				
		48	20	64QAM	1	0	55916	3617.6	48	15	64QAM	1	99	56087	3634.7	12.33
					1	99						21.16				
		48	20	64QAM	1	0	56491	3675.1	48	15	64QAM	1	99	56662	3692.2	6.73
					1	99						6.63				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	10	64QAM	1	99	55484	3574.4	7.80
					1	99						7.24				
		48	20	64QAM	1	0	55941	3620.1	48	10	64QAM	1	99	56085	3634.5	12.08
					1	99						21.20				
		48	20	64QAM	1	0	56541	3680.1	48	10	64QAM	1	99	56685	3694.5	6.69
					1	99						6.39				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	5	64QAM	1	24	55457	3571.7	7.85
					1	99						7.24				
		48	20	64QAM	1	0	55965	3622.5	48	5	64QAM	1	24	56082	3634.2	12.23
					1	99						21.15				
		48	20	64QAM	1	0	56590	3685	48	5	64QAM	1	24	56707	3696.7	6.50
					1	99						6.37				
Intra Band Conti- guous	CA_48C	48	5	64QAM	1	0	55273	3553.3	48	20	64QAM	1	99	55390	3565	7.82
					1	24						7.27				
		48	5	64QAM	1	0	55898	3615.8	48	20	64QAM	1	99	56015	3627.5	12.24
					1	24						21.27				
		48	5	64QAM	1	0	56523	3678.3	48	20	64QAM	1	99	56640	3690	6.67
					1	24						6.36				
Intra Band Conti- guous	CA_48C	48	10	64QAM	1	0	55295	3555.5	48	20	64QAM	1	99	55439	3569.9	7.68
					1	49						7.34				
		48	10	64QAM	1	0	55896	3615.6	48	20	64QAM	1	99	56040	3630	12.18
					1	49						21.43				
		48	10	64QAM	1	0	56496	3675.6	48	20	64QAM	1	99	56640	3690	6.81
					1	49						6.45				
Intra Band Conti- guous	CA_48C	48	15	64QAM	1	0	55318	3557.8	48	20	64QAM	1	99	55489	3574.9	7.74
					1	74						7.16				
		48	15	64QAM	1	0	55893	3615.3	48	20	64QAM	1	99	56064	3632.4	12.18
					1	74						21.22				
		48	15	64QAM	1	0	56469	3672.9	48	20	64QAM	1	99	56640	3690	6.76
					1	74						6.32				

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	20	256 QAM	1	99	55538	3579.8	7.40
					1	99						6.89				
		48	20	256 QAM	1	0	55891	3615.1	48	20	256 QAM	1	99	56089	3634.9	12.03
					1	99						20.99				
		48	20	256 QAM	1	0	56442	3670.2	48	20	256 QAM	1	99	56640	3690	6.39
					1	99						6.15				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	15	256 QAM	1	99	55511	3577.1	7.12
					1	99						6.57				
		48	20	256 QAM	1	0	55916	3617.6	48	15	256 QAM	1	99	56087	3634.7	11.61
					1	99						20.50				
		48	20	256 QAM	1	0	56491	3675.1	48	15	256 QAM	1	99	56662	3692.2	6.06
					1	99						6.08				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	10	256 QAM	1	99	55484	3574.4	7.04
					1	99						6.35				
		48	20	256 QAM	1	0	55941	3620.1	48	10	256 QAM	1	99	56085	3634.5	11.08
					1	99						20.42				
		48	20	256 QAM	1	0	56541	3680.1	48	10	256 QAM	1	99	56685	3694.5	5.96
					1	99						5.41				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	5	256 QAM	1	24	55457	3571.7	7.14
					1	99						6.43				
		48	20	256 QAM	1	0	55965	3622.5	48	5	256 QAM	1	24	56082	3634.2	11.19
					1	99						20.23				
		48	20	256 QAM	1	0	56590	3685	48	5	256 QAM	1	24	56707	3696.7	5.35
					1	99						5.49				
Intra Band Conti- guous	CA_48C	48	5	256 QAM	1	0	55273	3553.3	48	20	256 QAM	1	99	55390	3565	6.83
					1	24						6.61				
		48	5	256 QAM	1	0	55898	3615.8	48	20	256 QAM	1	99	56015	3627.5	11.40
					1	24						20.01				
		48	5	256 QAM	1	0	56523	3678.3	48	20	256 QAM	1	99	56640	3690	5.77
					1	24						5.33				
Intra Band Conti- guous	CA_48C	48	10	256 QAM	1	0	55295	3555.5	48	20	256 QAM	1	99	55439	3569.9	6.75
					1	49						6.42				
		48	10	256 QAM	1	0	55896	3615.6	48	20	256 QAM	1	99	56040	3630	11.53
					1	49						20.85				
		48	10	256 QAM	1	0	56496	3675.6	48	20	256 QAM	1	99	56640	3690	5.54
					1	49						5.56				
Intra Band Conti- guous	CA_48C	48	15	256 QAM	1	0	55318	3557.8	48	20	256 QAM	1	99	55489	3574.9	6.87
					1	74						6.09				
		48	15	256 QAM	1	0	55893	3615.3	48	20	256 QAM	1	99	56064	3632.4	11.40
					1	74						20.52				
		48	15	256 QAM	1	0	56469	3672.9	48	20	256 QAM	1	99	56640	3690	5.71
					1	74						5.47				

*EIRP = Conducted + antenna gain(0.92dBi).

LTE Band 48 (CA 48C) Per 10M Power

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	20	QPSK	1	99	55538	3579.8	9.72
					1	99						9.41				
		48	20	QPSK	1	0	55891	3615.1	48	20	QPSK	1	99	56089	3634.9	14.00
					1	99						22.36				
		48	20	QPSK	1	0	56442	3670.2	48	20	QPSK	1	99	56640	3690	8.82
					1	99						8.62				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	15	QPSK	1	99	55511	3577.1	9.71
					1	99						9.35				
		48	20	QPSK	1	0	55916	3617.6	48	15	QPSK	1	99	56087	3634.7	14.00
					1	99						22.17				
		48	20	QPSK	1	0	56491	3675.1	48	15	QPSK	1	99	56662	3692.2	17.99
					1	99						8.58				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	10	QPSK	1	99	55484	3574.4	9.72
					1	99						9.41				
		48	20	QPSK	1	0	55941	3620.1	48	10	QPSK	1	99	56085	3634.5	14.00
					1	99						22.23				
		48	20	QPSK	1	0	56541	3680.1	48	10	QPSK	1	99	56685	3694.5	8.82
					1	99						8.51				
Intra Band Conti- guous	CA_48C	48	20	QPSK	1	0	55340	3560	48	5	QPSK	1	24	55457	3571.7	9.70
					1	99						9.32				
		48	20	QPSK	1	0	55965	3622.5	48	5	QPSK	1	24	56082	3634.2	13.95
					1	99						22.15				
		48	20	QPSK	1	0	56590	3685	48	5	QPSK	1	24	56707	3696.7	8.71
					1	99						8.55				
Intra Band Conti- guous	CA_48C	48	5	QPSK	1	0	55273	3553.3	48	20	QPSK	1	99	55390	3565	9.65
					1	24						9.35				
		48	5	QPSK	1	0	55898	3615.8	48	20	QPSK	1	99	56015	3627.5	13.97
					1	24						22.33				
		48	5	QPSK	1	0	56523	3678.3	48	20	QPSK	1	99	56640	3690	8.72
					1	24						8.47				
Intra Band Conti- guous	CA_48C	48	10	QPSK	1	0	55295	3555.5	48	20	QPSK	1	99	55439	3569.9	9.70
					1	49						9.39				
		48	10	QPSK	1	0	55896	3615.6	48	20	QPSK	1	99	56040	3630	13.90
					1	49						22.22				
		48	10	QPSK	1	0	56496	3675.6	48	20	QPSK	1	99	56640	3690	8.83
					1	49						8.59				
Intra Band Conti- guous	CA_48C	48	15	QPSK	1	0	55318	3557.8	48	20	QPSK	1	99	55489	3574.9	9.69
					1	74						9.46				
		48	15	QPSK	1	0	55893	3615.3	48	20	QPSK	1	99	56064	3632.4	14.00
					1	74						22.31				
		48	15	QPSK	1	0	56469	3672.9	48	20	QPSK	1	99	56640	3690	8.85
					1	74						8.48				

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power	
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)	
																Total	
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	20	16QAM	1	99	55538	3579.8	9.08	
					1	99						8.71					
		48	20	16QAM	1	0	55891	3615.1	48	20	16QAM	1	99	56089	3634.9	13.70	
					1	99						22.06					
		48	20	16QAM	1	0	56442	3670.2	48	20	16QAM	1	99	56640	3690	8.60	
					1	99						8.40					
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	15	16QAM	1	99	55511	3577.1	9.00	
					1	99						8.68					
		48	20	16QAM	1	0	55916	3617.6	48	15	16QAM	1	99	56087	3634.7	13.58	
					1	99						21.96					
		48	20	16QAM	1	0	56491	3675.1	48	15	16QAM	1	99	56662	3692.2	8.62	
					1	99						8.33					
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	10	16QAM	1	99	55484	3574.4	8.97	
					1	99						8.77					
		48	20	16QAM	1	0	55941	3620.1	48	10	16QAM	1	99	56085	3634.5	13.55	
					1	99						22.05					
		48	20	16QAM	1	0	56541	3680.1	48	10	16QAM	1	99	56685	3694.5	8.64	
					1	99						8.29					
Intra Band Conti- guous	CA_48C	48	20	16QAM	1	0	55340	3560	48	5	16QAM	1	24	55457	3571.7	9.02	
					1	99						8.71					
		48	20	16QAM	1	0	55965	3622.5	48	5	16QAM	1	24	56082	3634.2	13.59	
					1	99						21.91					
		48	20	16QAM	1	0	56590	3685	48	5	16QAM	1	24	56707	3696.7	8.58	
					1	99						8.27					
Intra Band Conti- guous	CA_48C	48	5	16QAM	1	0	55273	3553.3	48	20	16QAM	1	99	55390	3565	8.97	
					1	24						8.64					
		48	5	16QAM	1	0	55898	3615.8	48	20	16QAM	1	99	56015	3627.5	13.54	
					1	24						21.93					
		48	5	16QAM	1	0	56523	3678.3	48	20	16QAM	1	99	56640	3690	8.58	
					1	24						8.32					
Intra Band Conti- guous	CA_48C	48	10	16QAM	1	0	55295	3555.5	48	20	16QAM	1	99	55439	3569.9	8.91	
					1	49						8.75					
		48	10	16QAM	1	0	55896	3615.6	48	20	16QAM	1	99	56040	3630	13.51	
					1	49						21.97					
		48	10	16QAM	1	0	56496	3675.6	48	20	16QAM	1	99	56640	3690	8.48	
					1	49						8.32					
Intra Band Conti- guous	CA_48C	48	15	16QAM	1	0	55318	3557.8	48	20	16QAM	1	99	55489	3574.9	9.02	
					1	74						8.80					
		48	15	16QAM	1	0	55893	3615.3	48	20	16QAM	1	99	56064	3632.4	13.50	
					1	74						22.06					
		48	15	16QAM	1	0	56469	3672.9	48	20	16QAM	1	99	56640	3690	8.59	
					1	74						8.34					

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	20	64QAM	1	99	55538	3579.8	8.67
					1	99						8.42				
		48	20	64QAM	1	0	55891	3615.1	48	20	64QAM	1	99	56089	3634.9	13.42
					1	99						21.67				
		48	20	64QAM	1	0	56442	3670.2	48	20	64QAM	1	99	56640	3690	7.91
					1	99						7.94				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	15	64QAM	1	99	55511	3577.1	8.68
					1	99						8.46				
		48	20	64QAM	1	0	55916	3617.6	48	15	64QAM	1	99	56087	3634.7	13.34
					1	99						21.53				
		48	20	64QAM	1	0	56491	3675.1	48	15	64QAM	1	99	56662	3692.2	7.96
					1	99						7.85				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	10	64QAM	1	99	55484	3574.4	8.65
					1	99						8.38				
		48	20	64QAM	1	0	55941	3620.1	48	10	64QAM	1	99	56085	3634.5	13.36
					1	99						21.54				
		48	20	64QAM	1	0	56541	3680.1	48	10	64QAM	1	99	56685	3694.5	7.90
					1	99						7.94				
Intra Band Conti- guous	CA_48C	48	20	64QAM	1	0	55340	3560	48	5	64QAM	1	24	55457	3571.7	8.55
					1	99						8.40				
		48	20	64QAM	1	0	55965	3622.5	48	5	64QAM	1	24	56082	3634.2	13.37
					1	99						21.49				
		48	20	64QAM	1	0	56590	3685	48	5	64QAM	1	24	56707	3696.7	7.94
					1	99						7.91				
Intra Band Conti- guous	CA_48C	48	5	64QAM	1	0	55273	3553.3	48	20	64QAM	1	99	55390	3565	8.65
					1	24						8.34				
		48	5	64QAM	1	0	55898	3615.8	48	20	64QAM	1	99	56015	3627.5	13.38
					1	24						21.62				
		48	5	64QAM	1	0	56523	3678.3	48	20	64QAM	1	99	56640	3690	7.98
					1	24						7.95				
Intra Band Conti- guous	CA_48C	48	10	64QAM	1	0	55295	3555.5	48	20	64QAM	1	99	55439	3569.9	8.69
					1	49						8.42				
		48	10	64QAM	1	0	55896	3615.6	48	20	64QAM	1	99	56040	3630	13.42
					1	49						21.63				
		48	10	64QAM	1	0	56496	3675.6	48	20	64QAM	1	99	56640	3690	8.01
					1	49						7.90				
Intra Band Conti- guous	CA_48C	48	15	64QAM	1	0	55318	3557.8	48	20	64QAM	1	99	55489	3574.9	8.64
					1	74						8.37				
		48	15	64QAM	1	0	55893	3615.3	48	20	64QAM	1	99	56064	3632.4	13.26
					1	74						21.52				
		48	15	64QAM	1	0	56469	3672.9	48	20	64QAM	1	99	56640	3690	7.84
					1	74						7.88				

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	20	256 QAM	1	99	55538	3579.8	7.89
					1	99						7.77				
		48	20	256 QAM	1	0	55891	3615.1	48	20	256 QAM	1	99	56089	3634.9	12.30
					1	99						20.94				
		48	20	256 QAM	1	0	56442	3670.2	48	20	256 QAM	1	99	56640	3690	7.07
					1	99						7.02				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	15	256 QAM	1	99	55511	3577.1	7.83
					1	99						7.24				
		48	20	256 QAM	1	0	55916	3617.6	48	15	256 QAM	1	99	56087	3634.7	12.16
					1	99						20.92				
		48	20	256 QAM	1	0	56491	3675.1	48	15	256 QAM	1	99	56662	3692.2	6.86
					1	99						7.07				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	10	256 QAM	1	99	55484	3574.4	7.99
					1	99						7.44				
		48	20	256 QAM	1	0	55941	3620.1	48	10	256 QAM	1	99	56085	3634.5	12.20
					1	99						20.73				
		48	20	256 QAM	1	0	56541	3680.1	48	10	256 QAM	1	99	56685	3694.5	7.12
					1	99						6.94				
Intra Band Conti- guous	CA_48C	48	20	256 QAM	1	0	55340	3560	48	5	256 QAM	1	24	55457	3571.7	7.58
					1	99						7.53				
		48	20	256 QAM	1	0	55965	3622.5	48	5	256 QAM	1	24	56082	3634.2	12.45
					1	99						20.41				
		48	20	256 QAM	1	0	56590	3685	48	5	256 QAM	1	24	56707	3696.7	6.98
					1	99						7.30				
Intra Band Conti- guous	CA_48C	48	5	256 QAM	1	0	55273	3553.3	48	20	256 QAM	1	99	55390	3565	7.72
					1	24						7.27				
		48	5	256 QAM	1	0	55898	3615.8	48	20	256 QAM	1	99	56015	3627.5	12.12
					1	24						20.55				
		48	5	256 QAM	1	0	56523	3678.3	48	20	256 QAM	1	99	56640	3690	6.93
					1	24						7.20				
Intra Band Conti- guous	CA_48C	48	10	256 QAM	1	0	55295	3555.5	48	20	256 QAM	1	99	55439	3569.9	7.75
					1	49						7.66				
		48	10	256 QAM	1	0	55896	3615.6	48	20	256 QAM	1	99	56040	3630	12.56
					1	49						20.91				
		48	10	256 QAM	1	0	56496	3675.6	48	20	256 QAM	1	99	56640	3690	7.27
					1	49						6.97				
Intra Band Conti- guous	CA_48C	48	15	256 QAM	1	0	55318	3557.8	48	20	256 QAM	1	99	55489	3574.9	7.65
					1	74						7.33				
		48	15	256 QAM	1	0	55893	3615.3	48	20	256 QAM	1	99	56064	3632.4	12.49
					1	74						20.94				
		48	15	256 QAM	1	0	56469	3672.9	48	20	256 QAM	1	99	56640	3690	7.24
					1	74						7.25				

*EIRP = Conducted + antenna gain(0.92dBi).

LTE Band 42 (CA 42C)_Full Power

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	20	QPSK	1	99	43388	3579.8	9.12
					1	99						8.51				
		42	20	QPSK	1	0	43241	3565.1	42	20	QPSK	1	99	43439	3584.9	13.47
					1	99						22.46				
		42	20	QPSK	1	0	43292	3570.2	42	20	QPSK	1	99	43490	3590	7.93
					1	99						7.82				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	15	QPSK	1	99	43361	3577.1	8.60
					1	99						8.15				
		42	20	QPSK	1	0	43265	3567.5	42	15	QPSK	1	99	43436	3584.6	13.22
					1	99						22.26				
		42	20	QPSK	1	0	43341	3575.1	42	15	QPSK	1	99	43512	3592.2	7.58
					1	99						7.38				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	10	QPSK	1	99	43334	3574.4	8.63
					1	99						8.18				
		42	20	QPSK	1	0	43335	3574.5	42	10	QPSK	1	99	43479	3588.9	13.03
					1	99						22.10				
		42	20	QPSK	1	0	43391	3580.1	42	10	QPSK	1	99	43535	3594.5	7.36
					1	99						7.52				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	5	QPSK	1	24	43307	3571.7	8.67
					1	99						8.07				
		42	20	QPSK	1	0	43315	3572.5	42	5	QPSK	1	24	43432	3584.2	12.96
					1	99						22.05				
		42	20	QPSK	1	0	43440	3585	42	5	QPSK	1	24	43557	3596.7	7.48
					1	99						7.36				
Intra Band Conti- guous	CA_42C	42	5	QPSK	1	0	43115	3552.5	42	20	QPSK	1	99	43232	3564.2	8.73
					1	24						8.12				
		42	5	QPSK	1	0	43244	3565.4	42	20	QPSK	1	99	43361	3577.1	13.07
					1	24						22.17				
		42	5	QPSK	1	0	43373	3578.3	42	20	QPSK	1	99	43490	3590	7.63
					1	24						7.21				
Intra Band Conti- guous	CA_42C	42	10	QPSK	1	0	43140	3555	42	20	QPSK	1	99	43284	3569.4	8.60
					1	49						8.23				
		42	10	QPSK	1	0	43242	3565.2	42	20	QPSK	1	99	43386	3579.6	13.03
					1	49						22.10				
		42	10	QPSK	1	0	43346	3575.6	42	20	QPSK	1	99	43490	3590	7.66
					1	49						7.29				
Intra Band Conti- guous	CA_42C	42	15	QPSK	1	0	43165	3557.5	42	20	QPSK	1	99	43336	3574.6	8.70
					1	74						8.10				
		42	15	QPSK	1	0	43242	3565.2	42	20	QPSK	1	99	43413	3582.3	13.17
					1	74						22.02				
		42	15	QPSK	1	0	43319	3572.9	42	20	QPSK	1	99	43490	3590	7.49
					1	74						7.34				

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	20	16QAM	1	99	43388	3579.8	8.56
					1	99						7.89				
		42	20	16QAM	1	0	43241	3565.1	42	20	16QAM	1	99	43439	3584.9	12.93
					1	99						21.88				
		42	20	16QAM	1	0	43292	3570.2	42	20	16QAM	1	99	43490	3590	7.66
					1	99						7.13				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	15	16QAM	1	99	43361	3577.1	7.97
					1	99						7.49				
		42	20	16QAM	1	0	43265	3567.5	42	15	16QAM	1	99	43436	3584.6	12.50
					1	99						21.47				
		42	20	16QAM	1	0	43341	3575.1	42	15	16QAM	1	99	43512	3592.2	6.72
					1	99						6.60				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	10	16QAM	1	99	43334	3574.4	7.91
					1	99						7.65				
		42	20	16QAM	1	0	43335	3574.5	42	10	16QAM	1	99	43479	3588.9	12.06
					1	99						21.31				
		42	20	16QAM	1	0	43391	3580.1	42	10	16QAM	1	99	43535	3594.5	6.67
					1	99						6.49				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	5	16QAM	1	24	43307	3571.7	7.97
					1	99						7.28				
		42	20	16QAM	1	0	43315	3572.5	42	5	16QAM	1	24	43432	3584.2	12.34
					1	99						21.41				
		42	20	16QAM	1	0	43440	3585	42	5	16QAM	1	24	43557	3596.7	6.70
					1	99						6.32				
Intra Band Conti- guous	CA_42C	42	5	16QAM	1	0	43115	3552.5	42	20	16QAM	1	99	43232	3564.2	7.84
					1	24						7.36				
		42	5	16QAM	1	0	43244	3565.4	42	20	16QAM	1	99	43361	3577.1	12.35
					1	24						21.52				
		42	5	16QAM	1	0	43373	3578.3	42	20	16QAM	1	99	43490	3590	6.86
					1	24						6.56				
Intra Band Conti- guous	CA_42C	42	10	16QAM	1	0	43140	3555	42	20	16QAM	1	99	43284	3569.4	7.77
					1	49						7.46				
		42	10	16QAM	1	0	43242	3565.2	42	20	16QAM	1	99	43386	3579.6	12.35
					1	49						21.49				
		42	10	16QAM	1	0	43346	3575.6	42	20	16QAM	1	99	43490	3590	6.90
					1	49						6.63				
Intra Band Conti- guous	CA_42C	42	15	16QAM	1	0	43165	3557.5	42	20	16QAM	1	99	43336	3574.6	7.99
					1	74						7.37				
		42	15	16QAM	1	0	43242	3565.2	42	20	16QAM	1	99	43413	3582.3	12.32
					1	74						21.36				
		42	15	16QAM	1	0	43319	3572.9	42	20	16QAM	1	99	43490	3590	6.91
					1	74						6.53				

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	20	64QAM	1	99	43388	3579.8	8.15
					1	99						7.50				
		42	20	64QAM	1	0	43241	3565.1	42	20	64QAM	1	99	43439	3584.9	12.78
					1	99						21.57				
		42	20	64QAM	1	0	43292	3570.2	42	20	64QAM	1	99	43490	3590	7.08
					1	99						7.04				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	15	64QAM	1	99	43361	3577.1	7.45
					1	99						7.18				
		42	20	64QAM	1	0	43265	3567.5	42	15	64QAM	1	99	43436	3584.6	12.10
					1	99						20.92				
		42	20	64QAM	1	0	43341	3575.1	42	15	64QAM	1	99	43512	3592.2	6.42
					1	99						6.38				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	10	64QAM	1	99	43334	3574.4	7.44
					1	99						7.13				
		42	20	64QAM	1	0	43335	3574.5	42	10	64QAM	1	99	43479	3588.9	11.86
					1	99						21.00				
		42	20	64QAM	1	0	43391	3580.1	42	10	64QAM	1	99	43535	3594.5	6.42
					1	99						6.21				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	5	64QAM	1	24	43307	3571.7	7.71
					1	99						7.04				
		42	20	64QAM	1	0	43315	3572.5	42	5	64QAM	1	24	43432	3584.2	11.97
					1	99						20.96				
		42	20	64QAM	1	0	43440	3585	42	5	64QAM	1	24	43557	3596.7	6.31
					1	99						6.03				
Intra Band Conti- guous	CA_42C	42	5	64QAM	1	0	43115	3552.5	42	20	64QAM	1	99	43232	3564.2	7.61
					1	24						7.09				
		42	5	64QAM	1	0	43244	3565.4	42	20	64QAM	1	99	43361	3577.1	12.05
					1	24						21.16				
		42	5	64QAM	1	0	43373	3578.3	42	20	64QAM	1	99	43490	3590	6.44
					1	24						6.10				
Intra Band Conti- guous	CA_42C	42	10	64QAM	1	0	43140	3555	42	20	64QAM	1	99	43284	3569.4	7.38
					1	49						7.06				
		42	10	64QAM	1	0	43242	3565.2	42	20	64QAM	1	99	43386	3579.6	12.03
					1	49						21.13				
		42	10	64QAM	1	0	43346	3575.6	42	20	64QAM	1	99	43490	3590	6.55
					1	49						6.29				
Intra Band Conti- guous	CA_42C	42	15	64QAM	1	0	43165	3557.5	42	20	64QAM	1	99	43336	3574.6	7.46
					1	74						6.86				
		42	15	64QAM	1	0	43242	3565.2	42	20	64QAM	1	99	43413	3582.3	11.98
					1	74						20.92				
		42	15	64QAM	1	0	43319	3572.9	42	20	64QAM	1	99	43490	3590	6.56
					1	74						6.14				

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	20	256 QAM	1	99	43388	3579.8	7.16
					1	99						6.62				
		42	20	256 QAM	1	0	43241	3565.1	42	20	256 QAM	1	99	43439	3584.9	11.76
					1	99						20.76				
		42	20	256 QAM	1	0	43292	3570.2	42	20	256 QAM	1	99	43490	3590	6.12
					1	99						5.96				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	15	256 QAM	1	99	43361	3577.1	6.92
					1	99						6.32				
		42	20	256 QAM	1	0	43265	3567.5	42	15	256 QAM	1	99	43436	3584.6	11.37
					1	99						20.26				
		42	20	256 QAM	1	0	43341	3575.1	42	15	256 QAM	1	99	43512	3592.2	5.93
					1	99						5.75				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	10	256 QAM	1	99	43334	3574.4	6.84
					1	99						6.19				
		42	20	256 QAM	1	0	43335	3574.5	42	10	256 QAM	1	99	43479	3588.9	10.83
					1	99						20.12				
		42	20	256 QAM	1	0	43391	3580.1	42	10	256 QAM	1	99	43535	3594.5	5.61
					1	99						5.11				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	5	256 QAM	1	24	43307	3571.7	6.91
					1	99						6.07				
		42	20	256 QAM	1	0	43315	3572.5	42	5	256 QAM	1	24	43432	3584.2	11.04
					1	99						20.02				
		42	20	256 QAM	1	0	43440	3585	42	5	256 QAM	1	24	43557	3596.7	5.17
					1	99						5.32				
Intra Band Conti- guous	CA_42C	42	5	256 QAM	1	0	43115	3552.5	42	20	256 QAM	1	99	43232	3564.2	6.57
					1	24						6.37				
		42	5	256 QAM	1	0	43244	3565.4	42	20	256 QAM	1	99	43361	3577.1	11.33
					1	24						19.90				
		42	5	256 QAM	1	0	43373	3578.3	42	20	256 QAM	1	99	43490	3590	5.54
					1	24						5.07				
Intra Band Conti- guous	CA_42C	42	10	256 QAM	1	0	43140	3555	42	20	256 QAM	1	99	43284	3569.4	6.46
					1	49						6.20				
		42	10	256 QAM	1	0	43242	3565.2	42	20	256 QAM	1	99	43386	3579.6	11.37
					1	49						20.60				
		42	10	256 QAM	1	0	43346	3575.6	42	20	256 QAM	1	99	43490	3590	5.41
					1	49						5.29				
Intra Band Conti- guous	CA_42C	42	15	256 QAM	1	0	43165	3557.5	42	20	256 QAM	1	99	43336	3574.6	6.53
					1	74						5.83				
		42	15	256 QAM	1	0	43242	3565.2	42	20	256 QAM	1	99	43413	3582.3	11.11
					1	74						20.29				
		42	15	256 QAM	1	0	43319	3572.9	42	20	256 QAM	1	99	43490	3590	5.49
					1	74						5.14				

*EIRP = Conducted + antenna gain(0.92dBi).

LTE Band 42 (CA 42C)_Per 10M Power

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	20	QPSK	1	99	43388	3579.8	8.57
					1	99						8.20				
		42	20	QPSK	1	0	43241	3565.1	42	20	QPSK	1	99	43439	3584.9	13.04
					1	99						22.07				
		42	20	QPSK	1	0	43292	3570.2	42	20	QPSK	1	99	43490	3590	7.42
					1	99						7.35				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	15	QPSK	1	99	43361	3577.1	8.23
					1	99						7.64				
		42	20	QPSK	1	0	43265	3567.5	42	15	QPSK	1	99	43436	3584.6	12.77
					1	99						21.90				
		42	20	QPSK	1	0	43341	3575.1	42	15	QPSK	1	99	43512	3592.2	7.07
					1	99						6.90				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	10	QPSK	1	99	43334	3574.4	8.20
					1	99						7.84				
		42	20	QPSK	1	0	43335	3574.5	42	10	QPSK	1	99	43479	3588.9	12.60
					1	99						21.69				
		42	20	QPSK	1	0	43391	3580.1	42	10	QPSK	1	99	43535	3594.5	6.94
					1	99						7.12				
Intra Band Conti- guous	CA_42C	42	20	QPSK	1	0	43190	3560	42	5	QPSK	1	24	43307	3571.7	8.27
					1	99						7.64				
		42	20	QPSK	1	0	43315	3572.5	42	5	QPSK	1	24	43432	3584.2	12.67
					1	99						21.67				
		42	20	QPSK	1	0	43440	3585	42	5	QPSK	1	24	43557	3596.7	7.05
					1	99						6.98				
Intra Band Conti- guous	CA_42C	42	5	QPSK	1	0	43115	3552.5	42	20	QPSK	1	99	43232	3564.2	8.32
					1	24						7.90				
		42	5	QPSK	1	0	43244	3565.4	42	20	QPSK	1	99	43361	3577.1	12.64
					1	24						21.81				
		42	5	QPSK	1	0	43373	3578.3	42	20	QPSK	1	99	43490	3590	7.30
					1	24						6.86				
Intra Band Conti- guous	CA_42C	42	10	QPSK	1	0	43140	3555	42	20	QPSK	1	99	43284	3569.4	8.24
					1	49						7.79				
		42	10	QPSK	1	0	43242	3565.2	42	20	QPSK	1	99	43386	3579.6	12.62
					1	49						21.75				
		42	10	QPSK	1	0	43346	3575.6	42	20	QPSK	1	99	43490	3590	7.23
					1	49						6.94				
Intra Band Conti- guous	CA_42C	42	15	QPSK	1	0	43165	3557.5	42	20	QPSK	1	99	43336	3574.6	8.23
					1	74						7.68				
		42	15	QPSK	1	0	43242	3565.2	42	20	QPSK	1	99	43413	3582.3	12.67
					1	74						21.74				
		42	15	QPSK	1	0	43319	3572.9	42	20	QPSK	1	99	43490	3590	7.09
					1	74						6.88				

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	20	16QAM	1	99	43388	3579.8	8.07
					1	99						7.51				
		42	20	16QAM	1	0	43241	3565.1	42	20	16QAM	1	99	43439	3584.9	12.47
					1	99						21.55				
		42	20	16QAM	1	0	43292	3570.2	42	20	16QAM	1	99	43490	3590	7.34
					1	99						6.82				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	15	16QAM	1	99	43361	3577.1	7.60
					1	99						7.13				
		42	20	16QAM	1	0	43265	3567.5	42	15	16QAM	1	99	43436	3584.6	12.21
					1	99						21.18				
		42	20	16QAM	1	0	43341	3575.1	42	15	16QAM	1	99	43512	3592.2	6.57
					1	99						6.37				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	10	16QAM	1	99	43334	3574.4	7.61
					1	99						7.16				
		42	20	16QAM	1	0	43335	3574.5	42	10	16QAM	1	99	43479	3588.9	11.82
					1	99						20.95				
		42	20	16QAM	1	0	43391	3580.1	42	10	16QAM	1	99	43535	3594.5	6.34
					1	99						6.22				
Intra Band Conti- guous	CA_42C	42	20	16QAM	1	0	43190	3560	42	5	16QAM	1	24	43307	3571.7	7.67
					1	99						7.00				
		42	20	16QAM	1	0	43315	3572.5	42	5	16QAM	1	24	43432	3584.2	12.10
					1	99						20.97				
		42	20	16QAM	1	0	43440	3585	42	5	16QAM	1	24	43557	3596.7	6.46
					1	99						6.07				
Intra Band Conti- guous	CA_42C	42	5	16QAM	1	0	43115	3552.5	42	20	16QAM	1	99	43232	3564.2	7.51
					1	24						7.01				
		42	5	16QAM	1	0	43244	3565.4	42	20	16QAM	1	99	43361	3577.1	12.05
					1	24						21.14				
		42	5	16QAM	1	0	43373	3578.3	42	20	16QAM	1	99	43490	3590	6.50
					1	24						6.15				
Intra Band Conti- guous	CA_42C	42	10	16QAM	1	0	43140	3555	42	20	16QAM	1	99	43284	3569.4	7.52
					1	49						6.99				
		42	10	16QAM	1	0	43242	3565.2	42	20	16QAM	1	99	43386	3579.6	11.93
					1	49						21.17				
		42	10	16QAM	1	0	43346	3575.6	42	20	16QAM	1	99	43490	3590	6.64
					1	49						6.26				
Intra Band Conti- guous	CA_42C	42	15	16QAM	1	0	43165	3557.5	42	20	16QAM	1	99	43336	3574.6	7.67
					1	74						6.81				
		42	15	16QAM	1	0	43242	3565.2	42	20	16QAM	1	99	43413	3582.3	11.96
					1	74						21.06				
		42	15	16QAM	1	0	43319	3572.9	42	20	16QAM	1	99	43490	3590	6.47
					1	74						6.15				

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	20	64QAM	1	99	43388	3579.8	7.71
					1	99						7.11				
		42	20	64QAM	1	0	43241	3565.1	42	20	64QAM	1	99	43439	3584.9	12.32
					1	99						21.34				
		42	20	64QAM	1	0	43292	3570.2	42	20	64QAM	1	99	43490	3590	6.68
					1	99						6.60				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	15	64QAM	1	99	43361	3577.1	7.25
					1	99						6.74				
		42	20	64QAM	1	0	43265	3567.5	42	15	64QAM	1	99	43436	3584.6	11.80
					1	99						20.39				
		42	20	64QAM	1	0	43341	3575.1	42	15	64QAM	1	99	43512	3592.2	6.13
					1	99						6.07				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	10	64QAM	1	99	43334	3574.4	7.11
					1	99						6.82				
		42	20	64QAM	1	0	43335	3574.5	42	10	64QAM	1	99	43479	3588.9	11.60
					1	99						20.62				
		42	20	64QAM	1	0	43391	3580.1	42	10	64QAM	1	99	43535	3594.5	6.03
					1	99						5.98				
Intra Band Conti- guous	CA_42C	42	20	64QAM	1	0	43190	3560	42	5	64QAM	1	24	43307	3571.7	7.45
					1	99						6.69				
		42	20	64QAM	1	0	43315	3572.5	42	5	64QAM	1	24	43432	3584.2	11.58
					1	99						20.60				
		42	20	64QAM	1	0	43440	3585	42	5	64QAM	1	24	43557	3596.7	5.93
					1	99						5.61				
Intra Band Conti- guous	CA_42C	42	5	64QAM	1	0	43115	3552.5	42	20	64QAM	1	99	43232	3564.2	7.21
					1	24						6.75				
		42	5	64QAM	1	0	43244	3565.4	42	20	64QAM	1	99	43361	3577.1	11.68
					1	24						20.69				
		42	5	64QAM	1	0	43373	3578.3	42	20	64QAM	1	99	43490	3590	6.22
					1	24						5.84				
Intra Band Conti- guous	CA_42C	42	10	64QAM	1	0	43140	3555	42	20	64QAM	1	99	43284	3569.4	7.00
					1	49						6.70				
		42	10	64QAM	1	0	43242	3565.2	42	20	64QAM	1	99	43386	3579.6	11.64
					1	49						20.82				
		42	10	64QAM	1	0	43346	3575.6	42	20	64QAM	1	99	43490	3590	6.16
					1	49						5.92				
Intra Band Conti- guous	CA_42C	42	15	64QAM	1	0	43165	3557.5	42	20	64QAM	1	99	43336	3574.6	7.13
					1	74						6.55				
		42	15	64QAM	1	0	43242	3565.2	42	20	64QAM	1	99	43413	3582.3	11.52
					1	74						20.51				
		42	15	64QAM	1	0	43319	3572.9	42	20	64QAM	1	99	43490	3590	6.08
					1	74						5.67				

*EIRP = Conducted + antenna gain(0.92dBi).

Con- figure	Com- bination	PCC							SCC							Measurement Power
		Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	Band	BW (MHz)	Modu- lation	RB Size	RB Offset	UL Chan.	UL Freq. (MHz)	EIRP (dBm)
																Total
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	20	256 QAM	1	99	43388	3579.8	6.87
					1	99						6.26				
		42	20	256 QAM	1	0	43241	3565.1	42	20	256 QAM	1	99	43439	3584.9	11.29
					1	99						20.52				
		42	20	256 QAM	1	0	43292	3570.2	42	20	256 QAM	1	99	43490	3590	5.82
					1	99						5.60				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	15	256 QAM	1	99	43361	3577.1	6.51
					1	99						5.96				
		42	20	256 QAM	1	0	43265	3567.5	42	15	256 QAM	1	99	43436	3584.6	11.00
					1	99						19.79				
		42	20	256 QAM	1	0	43341	3575.1	42	15	256 QAM	1	99	43512	3592.2	5.43
					1	99						5.39				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	10	256 QAM	1	99	43334	3574.4	6.47
					1	99						5.83				
		42	20	256 QAM	1	0	43335	3574.5	42	10	256 QAM	1	99	43479	3588.9	10.65
					1	99						19.82				
		42	20	256 QAM	1	0	43391	3580.1	42	10	256 QAM	1	99	43535	3594.5	5.33
					1	99						4.72				
Intra Band Conti- guous	CA_42C	42	20	256 QAM	1	0	43190	3560	42	5	256 QAM	1	24	43307	3571.7	6.61
					1	99						5.73				
		42	20	256 QAM	1	0	43315	3572.5	42	5	256 QAM	1	24	43432	3584.2	10.60
					1	99						19.62				
		42	20	256 QAM	1	0	43440	3585	42	5	256 QAM	1	24	43557	3596.7	4.88
					1	99						4.96				
Intra Band Conti- guous	CA_42C	42	5	256 QAM	1	0	43115	3552.5	42	20	256 QAM	1	99	43232	3564.2	6.17
					1	24						6.13				
		42	5	256 QAM	1	0	43244	3565.4	42	20	256 QAM	1	99	43361	3577.1	10.92
					1	24						19.49				
		42	5	256 QAM	1	0	43373	3578.3	42	20	256 QAM	1	99	43490	3590	5.09
					1	24						4.71				
Intra Band Conti- guous	CA_42C	42	10	256 QAM	1	0	43140	3555	42	20	256 QAM	1	99	43284	3569.4	6.19
					1	49						5.84				
		42	10	256 QAM	1	0	43242	3565.2	42	20	256 QAM	1	99	43386	3579.6	10.93
					1	49						20.21				
		42	10	256 QAM	1	0	43346	3575.6	42	20	256 QAM	1	99	43490	3590	5.00
					1	49						4.81				
Intra Band Conti- guous	CA_42C	42	15	256 QAM	1	0	43165	3557.5	42	20	256 QAM	1	99	43336	3574.6	6.14
					1	74						5.50				
		42	15	256 QAM	1	0	43242	3565.2	42	20	256 QAM	1	99	43413	3582.3	10.81
					1	74						19.99				
		42	15	256 QAM	1	0	43319	3572.9	42	20	256 QAM	1	99	43490	3590	5.20
					1	74						4.84				

*EIRP = Conducted + antenna gain(0.92dBi).

4.2 Radiated Emission Measurement

4.2.1 Limits of Radiated Emission Measurement

The power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40dBm/MHz .

4.2.2 Test Instruments

Refer to section 4.1.3 to get information of above instrument.

4.2.3 Test Procedures

- a. Substitution method is used for EIRP measurement. In the semi-anechoic chamber, EUT placed on the 0.8 meters (for 30MHz ~ 1GHz) / 1.5 meters (for above 1GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The substitution antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step a. Record the power level of S.G
- c. $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution horn}$.
- d. ERP power can be calculated form EIRP power by subtracting the gain of dipole, $\text{ERP power} = \text{EIRP power} - 2.15\text{dBi}$.

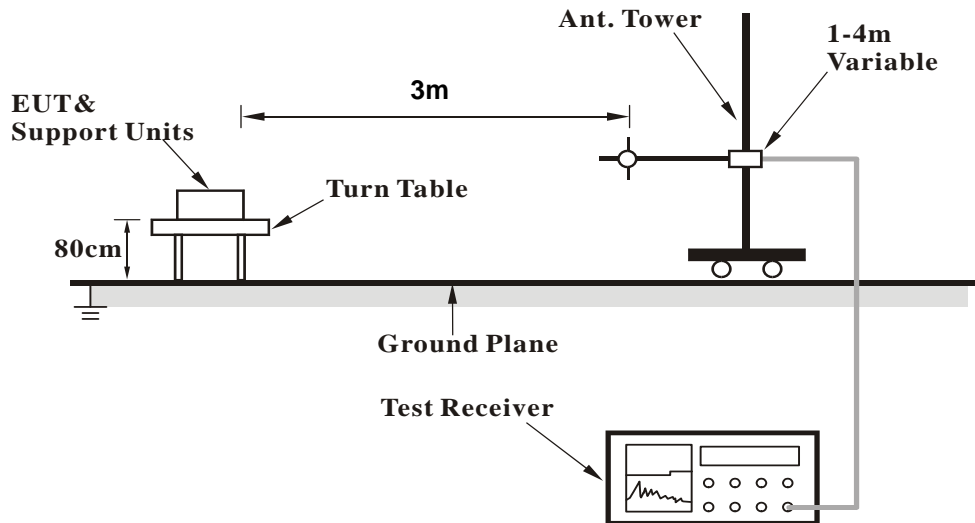
Note: The resolution bandwidth of spectrum analyzer is 1 MHz and the video bandwidth is 3 MHz.

4.2.4 Deviation from Test Standard

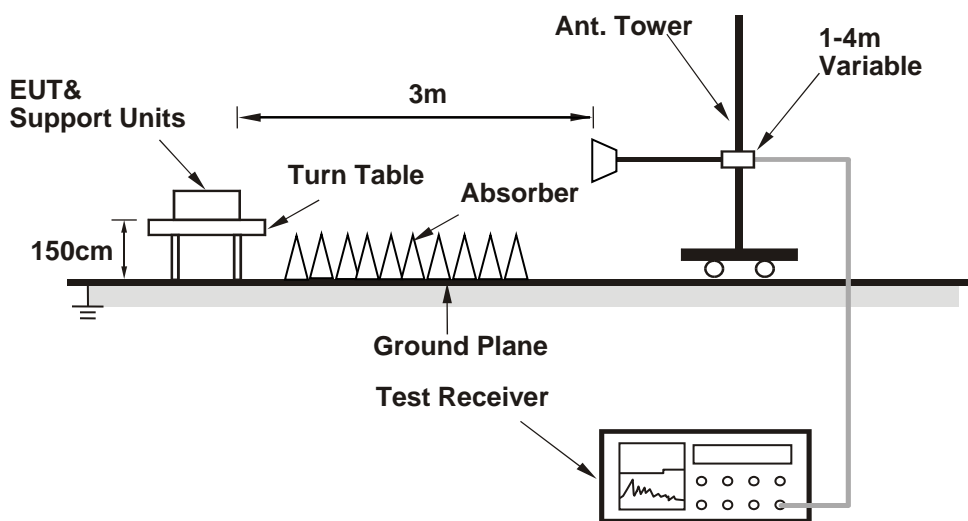
No deviation.

4.2.5 Test Set Up

<Frequency Range below 1GHz>



<Frequency Range above 1GHz>



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.2.6 Test Results

Test was done with 50ohm terminator on antenna port.

Below 1GHz Data :

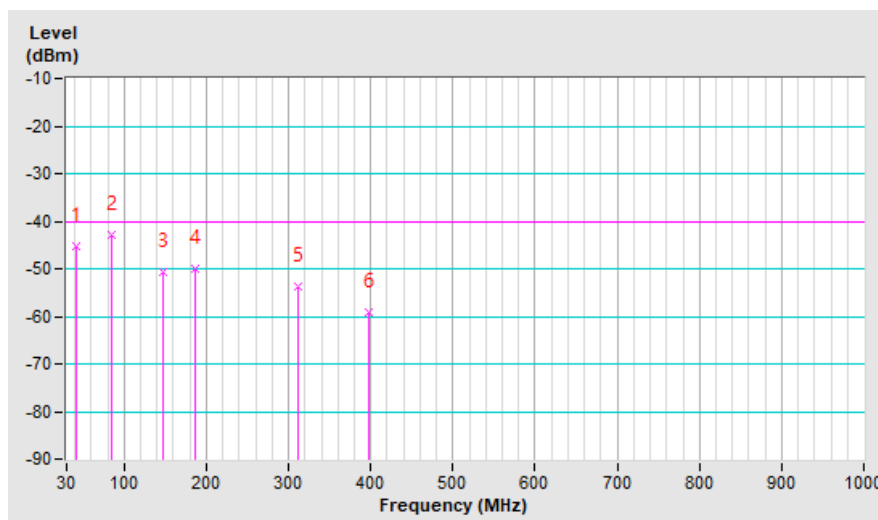
LTE Band 48 (CA 48C)

Mode	TX channel 55891 (3615.1MHz)+ TX channel 56089 (3634.9MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	41.25	-48.5	-34.6	-10.7	-45.3	-40.0	-5.3
2	84.83	-36.2	-42.7	-0.3	-43.0	-40.0	-3.0
3	146.68	-46.0	-50.5	-0.2	-50.7	-40.0	-10.7
4	186.04	-41.8	-53.8	3.7	-50.1	-40.0	-10.1
5	312.57	-49.8	-58.7	5.1	-53.6	-40.0	-13.6
6	396.91	-59.0	-64.5	5.2	-59.3	-40.0	-19.3

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).



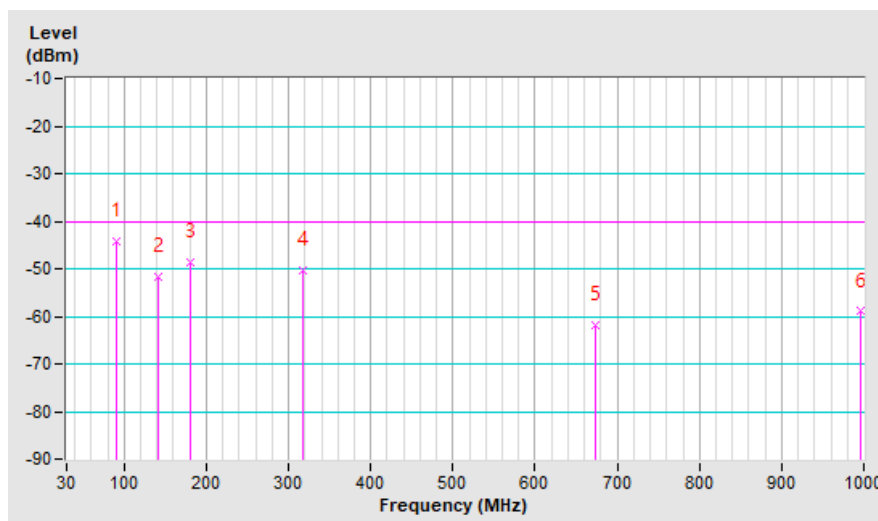
Mode	TX channel 55891 (3615.1MHz)+ TX channel 56089 (3634.9MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Vertical at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	90.45	-38.2	-45.5	1.1	-44.4	-40.0	-4.4
2	141.06	-48.7	-51.3	-0.3	-51.6	-40.0	-11.6
3	180.42	-45.4	-51.7	3.0	-48.7	-40.0	-8.7
4	316.78	-50.5	-55.4	5.2	-50.2	-40.0	-10.2
5	672.45	-68.0	-66.9	5.0	-61.9	-40.0	-21.9
6	995.78	-69.8	-63.0	4.0	-59.0	-40.0	-19.0

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).



Above 1GHz

LTE Band 48 (CA 48C)

Mode	TX channel 55891 (3615.1MHz)+ TX channel 56089 (3634.9MHz)	Frequency Range	1GHz ~ 40GHz
Environmental Conditions	22deg. C, 68%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	7250.00	-65.7	-47.9	0.9	-47.0	-40.0	-7.0
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	7250.00	-62.9	-45.0	0.9	-44.1	-40.0	-4.1

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) + Cable Loss (dB).

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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Web Site: www.bureauveritas-adt.com

The address and road map of all our labs can be found in our web site also.

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