FCC TEST REPORT

For

Smart Microwave Oven

Model Number: DW221

FCC ID: 2BB9RDW221

Report Number : WT238001355

Test Laboratory	:	Shenzhen Academy of Metrology and Quality Inspection
Site Location	:	NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China
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Revision History

No	Date	Remark
V1.0	2023.08.09	Initial issue

Test report declaration

Applicant	:	Shenzhen Shuying Technology Co., Ltd
Address	:	Room 01, 13th Floor, No. 9988 Shennan District, Shenzhen, China
Manufacturer	:	Shenzhen Shuying Technology Co., Ltd
Address	:	Room 01, 13th Floor, No. 9988 Shennan District, Shenzhen, China
EUT Description	:	Smart Microwave Oven
Model No	:	DW221
Trade mark	:	WANDECHU 万得厨
FCC ID	:	2BB9RDW221

Test Standards:
FCC PART 2, 22H, 27

The EUT described above is tested by Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory to determine the maximum emissions from the EUT. Shenzhen Academy of Metrology and Quality Inspection EMC Laboratory is assumed full responsibility for the accuracy of the test results. The test data, data evaluation, test procedures, and equipment configurations shown in this report were made in accordance with the procedures given in ANSI C63.26 (2015) & KDB971168 and the energy emitted by the sample EUT tested as described in this report is in compliance with FCC Rules Part 2, 22H, and 27.

The test report is valid for above tested sample only and shall not be reproduced in part without written approval of the laboratory.

Project Engineer:	(Zeng Wei 曾伟)	Date:	Aug.09, 2023
Checked by:	(Wan Xiaojing 万晓婧)	Date:	Aug.09, 2023
Approved by:	(Lin Yixiang 林奕翔)	Date:	Aug.09, 2023

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1. TEST RESULTS SUMMARY

Table 1 Test Results Summary

No.	Test Description	FCC Part No.	Clause	Test Verdict
1	Conducted Power & Effective Radiated Power	2.1046 22.913 27.50	5.1	Pass
2	Peak to Average Radio	2.1046 27.50	5.2	Pass
3	Occupied Bandwidth & Emission Bandwidth	2.1049 22.917 27.53	5.3	Pass
4	Spurious Emission at Antenna Terminal	2.1051 22.917 27.53	5.4	Pass
5	Radiated Spurious Emissions	2.1053 22.917 27.53	5.5	Pass
6	Frequency Stability	2.1055 22.355 27.54	5.6	Pass

2. GENERAL INFORMATION

2.1. Report information

This report is not a certificate of quality; it only applies to the sample of the specific product/equipment given at the time of its testing. The results are not used to indicate or imply that they are application to the similar items. In addition, such results must not be used to indicate or imply that SMQ approves recommends or endorses the manufacture, supplier or use of such product/equipment, or that SMQ in any way guarantees the later performance of the product/equipment.

The sample/s mentioned in this report is/are supplied by Applicant, SMQ therefore assumes no responsibility for the accuracy of information on the brand name, model number, origin of manufacture or any information supplied.

Additional copies of the report are available to the Applicant at an additional fee. No third part can obtain a copy of this report through SMQ, unless the applicant has authorized SMQ in writing to do so.

The lab will not be liable for any loss or damage resulting for false, inaccurate, inappropriate or incomplete product information provided by the applicant/manufacturer.

2.2. Laboratory Accreditation and Relationship to Customer

The testing report were performed by the Shenzhen Academy of Metrology and quality Inspection EMC Laboratory (Guangdong EMC compliance testing center), in their facilities located at NETC Building, No.4 Tongfa Rd., Xili, Nanshan, Shenzhen, China. At the time of testing, Laboratory is accredited by the following organizations:

China National Accreditation Service for Conformity Assessment (CNAS) accredits the Laboratory for conformance to FCC standards, EMC international standards and EN standards. The Registration Number is CNAS L0579.

The Laboratory is Accredited Testing Laboratory of FCC with Designation number CN1165 and Site registration number 582918.

The Laboratory is registered to perform emission tests with Innovation, Science and Economic Development (ISED), and the registration number is 11177A.

The Laboratory is registered to perform emission tests with VCCI, and the registration number are C-20048, G20076, R-20077, R-20078 and T-20047.

The Laboratory is Accredited Testing Laboratory of American Association for Laboratory Accreditation (A2LA) and certificate number is 3292.01.

2.3. Measurement Uncertainty

For a 95% confidence level (k = 2), the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 as following:
Radiated Emission
30MHz~1000MHz 4.5dB
1GHz~26.5GHz 4.6dB

26dB & Occupied Bandwidth: ±0.39%

Frequency Stability: ±0.42%

Peak to Average Ratio: 0.45 dB

Conducted power: 0.3 dB

Temperature: ±0.698

Supply voltages:±0.15%

3. PRODUCT DESCRIPTION

3.1. EUT Description

Table 2 Specification of the Equipment under Test

Product Type:	Smart Microwave Oven
Hardware Revision:	1.0
Software Revision:	1.3.6
FCC ID:	2BB9RDW221
Frequency:	LTE Band 5: TX 824MHz~849MHz RX 869MHz~894MHz LTE Band 38: TX 2570MHz~2620MHz RX 2570MHz~2620MHz LTE Band 41: TX 2496MHz~2690MHz RX: 2496MHz~2690MHz
Type(s) of Modulation:	LTE:QPSK, 16QAM, 64QAM
Antenna Type:	FPC antenna
Antenna Gain:	824MHz~849MHz: -5.08 dBi 2570MHz~2620MHz: 1.72 dBi 2496MHz~2690MHz: 1.69 dBi
Operating voltage:	AC 100 ~ 130 V

3.2. Related Submittal(s) / Grant (s)

This submittal(s) (test report) is intended for FCC ID: 2BB9RDW221 filing to comply with FCC PART 2, 22H, 27.

3.3. Block Diagram of EUT Configuration

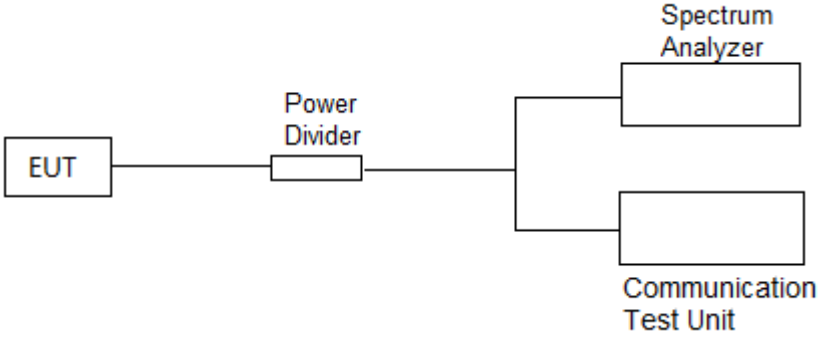

Figure 1 EUT setup of test mode 1, 2, 3

3.4. Operating Condition of EUT

During all testing, EUT is in link mode with base station emulator at maximum power level. The spurious emission measurements were carried out in semi-anechoic chamber with 3-meter test range, and EUT is rotated on three test planes to find out the worst emission (Y plane).

TM1: LTE Mode with QPSK Modulation
TM2: LTE Mode with 16QAM Modulation
TM3: LTE Mode with 64QAM Modulation

The maximum power levels are LTE Mode for QPSK link, LTE mode for 16QAM link, LTE Mode for 64QAM link. Only these modes were used for all tests. The conducted power tables are as follows:

Band	Bandwidth	Modulation	Channel	RB Config.	Power (dBm)
Band5	1.4MHz	QPSK	20407	1RB#0	23.43
Band5	1.4MHz	QPSK	20407	1RB#3	23.14
Band5	1.4MHz	QPSK	20407	1RB#5	23.27
Band5	1.4MHz	QPSK	20407	3RB#0	23.05
Band5	1.4MHz	QPSK	20407	3RB#2	23.03
Band5	1.4MHz	QPSK	20407	3RB#3	22.94
Band5	1.4MHz	QPSK	20407	6RB#0	22.09
Band5	1.4MHz	QPSK	20525	1RB#0	22.85
Band5	1.4MHz	QPSK	20525	1RB#3	22.71
Band5	1.4MHz	QPSK	20525	1RB#5	22.78
Band5	1.4MHz	QPSK	20525	3RB#0	22.62
Band5	1.4MHz	QPSK	20525	3RB#2	22.59
Band5	1.4MHz	QPSK	20525	3RB#3	22.60
Band5	1.4MHz	QPSK	20525	6RB#0	21.70
Band5	1.4MHz	QPSK	20643	1RB#0	22.73
Band5	1.4MHz	QPSK	20643	1RB#3	22.65
Band5	1.4MHz	QPSK	20643	1RB#5	22.74
Band5	1.4MHz	QPSK	20643	3RB#0	22.61
Band5	1.4MHz	QPSK	20643	3RB#2	22.61
Band5	1.4MHz	QPSK	20643	3RB#3	22.56
Band5	1.4MHz	QPSK	20643	6RB#0	21.68
Band5	1.4MHz	16QAM	20407	1RB#0	22.78
Band5	1.4MHz	16QAM	20407	1RB#3	22.40
Band5	1.4MHz	16QAM	20407	1RB#5	22.48
Band5	1.4MHz	16QAM	20407	3RB#0	22.27
Band5	1.4MHz	16QAM	20407	3RB#2	22.18
Band5	1.4MHz	16QAM	20407	3RB#3	22.15
Band5	1.4MHz	16QAM	20407	6RB#0	21.15
Band5	1.4MHz	16QAM	20525	1RB#0	22.24
Band5	1.4MHz	16QAM	20525	1RB#3	22.20

Band5	1.4MHz	16QAM	20525	1RB#5	22.18
Band5	1.4MHz	16QAM	20525	3RB#0	21.82
Band5	1.4MHz	16QAM	20525	3RB#2	21.80
Band5	1.4MHz	16QAM	20525	3RB#3	21.85
Band5	1.4MHz	16QAM	20525	6RB#0	20.79
Band5	1.4MHz	16QAM	20643	1RB#0	22.12
Band5	1.4MHz	16QAM	20643	1RB#3	22.05
Band5	1.4MHz	16QAM	20643	1RB#5	22.15
Band5	1.4MHz	16QAM	20643	3RB#0	21.76
Band5	1.4MHz	16QAM	20643	3RB#2	21.76
Band5	1.4MHz	16QAM	20643	3RB#3	21.78
Band5	1.4MHz	16QAM	20643	6RB#0	20.88
Band5	1.4MHz	64QAM	20407	1RB#0	22.46
Band5	1.4MHz	64QAM	20407	1RB#3	22.31
Band5	1.4MHz	64QAM	20407	1RB#5	22.35
Band5	1.4MHz	64QAM	20407	3RB#0	22.18
Band5	1.4MHz	64QAM	20407	3RB#2	22.22
Band5	1.4MHz	64QAM	20407	3RB#3	22.16
Band5	1.4MHz	64QAM	20407	6RB#0	21.14
Band5	1.4MHz	64QAM	20525	1RB#0	22.04
Band5	1.4MHz	64QAM	20525	1RB#3	21.97
Band5	1.4MHz	64QAM	20525	1RB#5	22.09
Band5	1.4MHz	64QAM	20525	3RB#0	21.85
Band5	1.4MHz	64QAM	20525	3RB#2	21.84
Band5	1.4MHz	64QAM	20525	3RB#3	21.79
Band5	1.4MHz	64QAM	20525	6RB#0	20.82
Band5	1.4MHz	64QAM	20643	1RB#0	21.98
Band5	1.4MHz	64QAM	20643	1RB#3	21.86
Band5	1.4MHz	64QAM	20643	1RB#5	21.94
Band5	1.4MHz	64QAM	20643	3RB#0	21.76
Band5	1.4MHz	64QAM	20643	3RB#2	21.87
Band5	1.4MHz	64QAM	20643	3RB#3	21.76
Band5	1.4MHz	64QAM	20643	6RB#0	20.95
Band5	3MHz	QPSK	20415	1RB#0	22.91
Band5	3MHz	QPSK	20415	1RB#7	22.83
Band5	3MHz	QPSK	20415	1RB#14	22.77
Band5	3MHz	QPSK	20415	8RB#0	21.88
Band5	3MHz	QPSK	20415	8RB#4	21.91
Band5	3MHz	QPSK	20415	8RB#7	21.87
Band5	3MHz	QPSK	20415	15RB#0	21.86
Band5	3MHz	QPSK	20525	1RB#0	22.54
Band5	3MHz	QPSK	20525	1RB#7	22.67
Band5	3MHz	QPSK	20525	1RB#14	22.59
Band5	3MHz	QPSK	20525	8RB#0	21.69
Band5	3MHz	QPSK	20525	8RB#4	21.73

Band5	3MHz	QPSK	20525	8RB#7	21.71
Band5	3MHz	QPSK	20525	15RB#0	21.70
Band5	3MHz	QPSK	20635	1RB#0	22.65
Band5	3MHz	QPSK	20635	1RB#7	22.72
Band5	3MHz	QPSK	20635	1RB#14	22.64
Band5	3MHz	QPSK	20635	8RB#0	21.76
Band5	3MHz	QPSK	20635	8RB#4	21.81
Band5	3MHz	QPSK	20635	8RB#7	21.75
Band5	3MHz	QPSK	20635	15RB#0	21.79
Band5	3MHz	16QAM	20415	1RB#0	22.17
Band5	3MHz	16QAM	20415	1RB#7	22.22
Band5	3MHz	16QAM	20415	1RB#14	22.08
Band5	3MHz	16QAM	20415	8RB#0	21.02
Band5	3MHz	16QAM	20415	8RB#4	21.05
Band5	3MHz	16QAM	20415	8RB#7	21.00
Band5	3MHz	16QAM	20415	15RB#0	20.92
Band5	3MHz	16QAM	20525	1RB#0	21.93
Band5	3MHz	16QAM	20525	1RB#7	22.06
Band5	3MHz	16QAM	20525	1RB#14	21.95
Band5	3MHz	16QAM	20525	8RB#0	20.84
Band5	3MHz	16QAM	20525	8RB#4	20.90
Band5	3MHz	16QAM	20525	8RB#7	20.88
Band5	3MHz	16QAM	20525	15RB#0	20.80
Band5	3MHz	16QAM	20635	1RB#0	21.97
Band5	3MHz	16QAM	20635	1RB#7	22.20
Band5	3MHz	16QAM	20635	1RB#14	22.01
Band5	3MHz	16QAM	20635	8RB#0	20.90
Band5	3MHz	16QAM	20635	8RB#4	21.00
Band5	3MHz	16QAM	20635	8RB#7	20.95
Band5	3MHz	16QAM	20635	15RB#0	20.82
Band5	3MHz	64QAM	20415	1RB#0	22.27
Band5	3MHz	64QAM	20415	1RB#7	22.24
Band5	3MHz	64QAM	20415	1RB#14	22.07
Band5	3MHz	64QAM	20415	8RB#0	21.07
Band5	3MHz	64QAM	20415	8RB#4	21.05
Band5	3MHz	64QAM	20415	8RB#7	21.00
Band5	3MHz	64QAM	20415	15RB#0	21.01
Band5	3MHz	64QAM	20525	1RB#0	21.81
Band5	3MHz	64QAM	20525	1RB#7	21.88
Band5	3MHz	64QAM	20525	1RB#14	21.80
Band5	3MHz	64QAM	20525	8RB#0	20.88
Band5	3MHz	64QAM	20525	8RB#4	20.91
Band5	3MHz	64QAM	20525	8RB#7	20.89
Band5	3MHz	64QAM	20525	15RB#0	20.85
Band5	3MHz	64QAM	20635	1RB#0	21.89

Band5	3MHz	64QAM	20635	1RB#7	21.99
Band5	3MHz	64QAM	20635	1RB#14	21.86
Band5	3MHz	64QAM	20635	8RB#0	20.95
Band5	3MHz	64QAM	20635	8RB#4	21.03
Band5	3MHz	64QAM	20635	8RB#7	20.99
Band5	3MHz	64QAM	20635	15RB#0	20.98
Band5	5MHz	QPSK	20425	1RB#0	22.84
Band5	5MHz	QPSK	20425	1RB#12	22.96
Band5	5MHz	QPSK	20425	1RB#24	22.68
Band5	5MHz	QPSK	20425	12RB#0	21.89
Band5	5MHz	QPSK	20425	12RB#6	21.92
Band5	5MHz	QPSK	20425	12RB#13	21.76
Band5	5MHz	QPSK	20425	25RB#0	21.82
Band5	5MHz	QPSK	20525	1RB#0	22.39
Band5	5MHz	QPSK	20525	1RB#12	22.66
Band5	5MHz	QPSK	20525	1RB#24	22.71
Band5	5MHz	QPSK	20525	12RB#0	21.63
Band5	5MHz	QPSK	20525	12RB#6	21.74
Band5	5MHz	QPSK	20525	12RB#13	21.72
Band5	5MHz	QPSK	20525	25RB#0	21.67
Band5	5MHz	QPSK	20625	1RB#0	22.75
Band5	5MHz	QPSK	20625	1RB#12	22.70
Band5	5MHz	QPSK	20625	1RB#24	22.57
Band5	5MHz	QPSK	20625	12RB#0	21.70
Band5	5MHz	QPSK	20625	12RB#6	21.84
Band5	5MHz	QPSK	20625	12RB#13	21.74
Band5	5MHz	QPSK	20625	25RB#0	21.77
Band5	5MHz	16QAM	20425	1RB#0	22.13
Band5	5MHz	16QAM	20425	1RB#12	22.24
Band5	5MHz	16QAM	20425	1RB#24	21.97
Band5	5MHz	16QAM	20425	12RB#0	20.99
Band5	5MHz	16QAM	20425	12RB#6	21.01
Band5	5MHz	16QAM	20425	12RB#13	20.88
Band5	5MHz	16QAM	20425	25RB#0	20.85
Band5	5MHz	16QAM	20525	1RB#0	21.70
Band5	5MHz	16QAM	20525	1RB#12	22.07
Band5	5MHz	16QAM	20525	1RB#24	22.14
Band5	5MHz	16QAM	20525	12RB#0	20.73
Band5	5MHz	16QAM	20525	12RB#6	20.88
Band5	5MHz	16QAM	20525	12RB#13	20.84
Band5	5MHz	16QAM	20525	25RB#0	20.73
Band5	5MHz	16QAM	20625	1RB#0	22.10
Band5	5MHz	16QAM	20625	1RB#12	22.08
Band5	5MHz	16QAM	20625	1RB#24	21.87
Band5	5MHz	16QAM	20625	12RB#0	20.89

Band5	5MHz	16QAM	20625	12RB#6	20.97
Band5	5MHz	16QAM	20625	12RB#13	20.82
Band5	5MHz	16QAM	20625	25RB#0	20.76
Band5	5MHz	64QAM	20425	1RB#0	21.97
Band5	5MHz	64QAM	20425	1RB#12	22.06
Band5	5MHz	64QAM	20425	1RB#24	21.82
Band5	5MHz	64QAM	20425	12RB#0	20.99
Band5	5MHz	64QAM	20425	12RB#6	21.04
Band5	5MHz	64QAM	20425	12RB#13	20.95
Band5	5MHz	64QAM	20425	25RB#0	21.05
Band5	5MHz	64QAM	20525	1RB#0	21.98
Band5	5MHz	64QAM	20525	1RB#12	21.92
Band5	5MHz	64QAM	20525	1RB#24	21.91
Band5	5MHz	64QAM	20525	12RB#0	20.80
Band5	5MHz	64QAM	20525	12RB#6	20.97
Band5	5MHz	64QAM	20525	12RB#13	20.93
Band5	5MHz	64QAM	20525	25RB#0	20.88
Band5	5MHz	64QAM	20625	1RB#0	21.92
Band5	5MHz	64QAM	20625	1RB#12	21.93
Band5	5MHz	64QAM	20625	1RB#24	21.86
Band5	5MHz	64QAM	20625	12RB#0	20.97
Band5	5MHz	64QAM	20625	12RB#6	21.00
Band5	5MHz	64QAM	20625	12RB#13	20.90
Band5	5MHz	64QAM	20625	25RB#0	20.92
Band5	10MHz	QPSK	20450	1RB#0	22.70
Band5	10MHz	QPSK	20450	1RB#24	22.62
Band5	10MHz	QPSK	20450	1RB#49	22.30
Band5	10MHz	QPSK	20450	25RB#0	21.62
Band5	10MHz	QPSK	20450	25RB#12	21.71
Band5	10MHz	QPSK	20450	25RB#25	21.51
Band5	10MHz	QPSK	20450	50RB#0	21.65
Band5	10MHz	QPSK	20525	1RB#0	22.44
Band5	10MHz	QPSK	20525	1RB#24	22.63
Band5	10MHz	QPSK	20525	1RB#49	22.59
Band5	10MHz	QPSK	20525	25RB#0	21.49
Band5	10MHz	QPSK	20525	25RB#12	21.66
Band5	10MHz	QPSK	20525	25RB#25	21.71
Band5	10MHz	QPSK	20525	50RB#0	21.62
Band5	10MHz	QPSK	20600	1RB#0	22.29
Band5	10MHz	QPSK	20600	1RB#24	22.61
Band5	10MHz	QPSK	20600	1RB#49	22.41
Band5	10MHz	QPSK	20600	25RB#0	21.68
Band5	10MHz	QPSK	20600	25RB#12	21.68
Band5	10MHz	QPSK	20600	25RB#25	21.56
Band5	10MHz	QPSK	20600	50RB#0	21.51

Band5	10MHz	16QAM	20450	1RB#0	22.33
Band5	10MHz	16QAM	20450	1RB#24	22.40
Band5	10MHz	16QAM	20450	1RB#49	22.01
Band5	10MHz	16QAM	20450	25RB#0	20.93
Band5	10MHz	16QAM	20450	25RB#12	20.91
Band5	10MHz	16QAM	20450	25RB#25	20.74
Band5	10MHz	16QAM	20450	50RB#0	20.74
Band5	10MHz	16QAM	20525	1RB#0	21.78
Band5	10MHz	16QAM	20525	1RB#24	21.92
Band5	10MHz	16QAM	20525	1RB#49	21.94
Band5	10MHz	16QAM	20525	25RB#0	20.56
Band5	10MHz	16QAM	20525	25RB#12	20.69
Band5	10MHz	16QAM	20525	25RB#25	20.71
Band5	10MHz	16QAM	20525	50RB#0	20.55
Band5	10MHz	16QAM	20600	1RB#0	21.91
Band5	10MHz	16QAM	20600	1RB#24	22.05
Band5	10MHz	16QAM	20600	1RB#49	21.69
Band5	10MHz	16QAM	20600	25RB#0	20.76
Band5	10MHz	16QAM	20600	25RB#12	20.74
Band5	10MHz	16QAM	20600	25RB#25	20.66
Band5	10MHz	16QAM	20600	50RB#0	20.59
Band5	10MHz	64QAM	20450	1RB#0	21.87
Band5	10MHz	64QAM	20450	1RB#24	21.86
Band5	10MHz	64QAM	20450	1RB#49	21.47
Band5	10MHz	64QAM	20450	25RB#0	20.67
Band5	10MHz	64QAM	20450	25RB#12	20.75
Band5	10MHz	64QAM	20450	25RB#25	20.55
Band5	10MHz	64QAM	20450	50RB#0	20.62
Band5	10MHz	64QAM	20525	1RB#0	21.94
Band5	10MHz	64QAM	20525	1RB#24	21.71
Band5	10MHz	64QAM	20525	1RB#49	21.64
Band5	10MHz	64QAM	20525	25RB#0	20.53
Band5	10MHz	64QAM	20525	25RB#12	20.71
Band5	10MHz	64QAM	20525	25RB#25	20.74
Band5	10MHz	64QAM	20525	50RB#0	20.69
Band5	10MHz	64QAM	20600	1RB#0	21.87
Band5	10MHz	64QAM	20600	1RB#24	21.89
Band5	10MHz	64QAM	20600	1RB#49	21.50
Band5	10MHz	64QAM	20600	25RB#0	20.75
Band5	10MHz	64QAM	20600	25RB#12	20.83
Band5	10MHz	64QAM	20600	25RB#25	20.67
Band5	10MHz	64QAM	20600	50RB#0	20.65
Band38	5MHz	QPSK	37775	1RB#0	22.28
Band38	5MHz	QPSK	37775	1RB#12	22.43
Band38	5MHz	QPSK	37775	1RB#24	22.22

Band38	5MHz	QPSK	37775	12RB#0	21.39
Band38	5MHz	QPSK	37775	12RB#6	21.53
Band38	5MHz	QPSK	37775	12RB#13	21.46
Band38	5MHz	QPSK	37775	25RB#0	21.47
Band38	5MHz	QPSK	38000	1RB#0	22.46
Band38	5MHz	QPSK	38000	1RB#12	22.63
Band38	5MHz	QPSK	38000	1RB#24	22.49
Band38	5MHz	QPSK	38000	12RB#0	21.74
Band38	5MHz	QPSK	38000	12RB#6	21.77
Band38	5MHz	QPSK	38000	12RB#13	21.65
Band38	5MHz	QPSK	38000	25RB#0	21.69
Band38	5MHz	QPSK	38225	1RB#0	22.32
Band38	5MHz	QPSK	38225	1RB#12	22.44
Band38	5MHz	QPSK	38225	1RB#24	22.31
Band38	5MHz	QPSK	38225	12RB#0	21.36
Band38	5MHz	QPSK	38225	12RB#6	21.50
Band38	5MHz	QPSK	38225	12RB#13	21.40
Band38	5MHz	QPSK	38225	25RB#0	21.43
Band38	5MHz	16QAM	37775	1RB#0	21.42
Band38	5MHz	16QAM	37775	1RB#12	21.54
Band38	5MHz	16QAM	37775	1RB#24	21.42
Band38	5MHz	16QAM	37775	12RB#0	20.47
Band38	5MHz	16QAM	37775	12RB#6	20.56
Band38	5MHz	16QAM	37775	12RB#13	20.48
Band38	5MHz	16QAM	37775	25RB#0	20.60
Band38	5MHz	16QAM	38000	1RB#0	21.62
Band38	5MHz	16QAM	38000	1RB#12	21.73
Band38	5MHz	16QAM	38000	1RB#24	21.57
Band38	5MHz	16QAM	38000	12RB#0	20.78
Band38	5MHz	16QAM	38000	12RB#6	20.76
Band38	5MHz	16QAM	38000	12RB#13	20.65
Band38	5MHz	16QAM	38000	25RB#0	20.80
Band38	5MHz	16QAM	38225	1RB#0	21.40
Band38	5MHz	16QAM	38225	1RB#12	21.50
Band38	5MHz	16QAM	38225	1RB#24	21.37
Band38	5MHz	16QAM	38225	12RB#0	20.45
Band38	5MHz	16QAM	38225	12RB#6	20.49
Band38	5MHz	16QAM	38225	12RB#13	20.39
Band38	5MHz	16QAM	38225	25RB#0	20.54
Band38	5MHz	64QAM	37775	1RB#0	21.76
Band38	5MHz	64QAM	37775	1RB#12	21.93
Band38	5MHz	64QAM	37775	1RB#24	21.84
Band38	5MHz	64QAM	37775	12RB#0	20.77
Band38	5MHz	64QAM	37775	12RB#6	20.90
Band38	5MHz	64QAM	37775	12RB#13	20.86

Band38	5MHz	64QAM	37775	25RB#0	20.94
Band38	5MHz	64QAM	38000	1RB#0	22.09
Band38	5MHz	64QAM	38000	1RB#12	22.23
Band38	5MHz	64QAM	38000	1RB#24	22.02
Band38	5MHz	64QAM	38000	12RB#0	21.15
Band38	5MHz	64QAM	38000	12RB#6	21.17
Band38	5MHz	64QAM	38000	12RB#13	21.03
Band38	5MHz	64QAM	38000	25RB#0	21.22
Band38	5MHz	64QAM	38225	1RB#0	21.75
Band38	5MHz	64QAM	38225	1RB#12	21.82
Band38	5MHz	64QAM	38225	1RB#24	21.73
Band38	5MHz	64QAM	38225	12RB#0	20.74
Band38	5MHz	64QAM	38225	12RB#6	20.86
Band38	5MHz	64QAM	38225	12RB#13	20.75
Band38	5MHz	64QAM	38225	25RB#0	20.88
Band38	10MHz	QPSK	37800	1RB#0	22.54
Band38	10MHz	QPSK	37800	1RB#24	22.77
Band38	10MHz	QPSK	37800	1RB#49	22.40
Band38	10MHz	QPSK	37800	25RB#0	21.51
Band38	10MHz	QPSK	37800	25RB#12	21.56
Band38	10MHz	QPSK	37800	25RB#25	21.40
Band38	10MHz	QPSK	37800	50RB#0	21.31
Band38	10MHz	QPSK	38000	1RB#0	22.29
Band38	10MHz	QPSK	38000	1RB#24	22.42
Band38	10MHz	QPSK	38000	1RB#49	22.07
Band38	10MHz	QPSK	38000	25RB#0	21.42
Band38	10MHz	QPSK	38000	25RB#12	21.48
Band38	10MHz	QPSK	38000	25RB#25	21.34
Band38	10MHz	QPSK	38000	50RB#0	21.45
Band38	10MHz	QPSK	38200	1RB#0	22.14
Band38	10MHz	QPSK	38200	1RB#24	22.27
Band38	10MHz	QPSK	38200	1RB#49	22.18
Band38	10MHz	QPSK	38200	25RB#0	21.27
Band38	10MHz	QPSK	38200	25RB#12	21.38
Band38	10MHz	QPSK	38200	25RB#25	21.22
Band38	10MHz	QPSK	38200	50RB#0	21.29
Band38	10MHz	16QAM	37800	1RB#0	21.67
Band38	10MHz	16QAM	37800	1RB#24	21.85
Band38	10MHz	16QAM	37800	1RB#49	21.59
Band38	10MHz	16QAM	37800	25RB#0	20.57
Band38	10MHz	16QAM	37800	25RB#12	20.70
Band38	10MHz	16QAM	37800	25RB#25	20.51
Band38	10MHz	16QAM	37800	50RB#0	20.46
Band38	10MHz	16QAM	38000	1RB#0	21.38
Band38	10MHz	16QAM	38000	1RB#24	21.57

Band38	10MHz	16QAM	38000	1RB#49	21.17
Band38	10MHz	16QAM	38000	25RB#0	20.54
Band38	10MHz	16QAM	38000	25RB#12	20.63
Band38	10MHz	16QAM	38000	25RB#25	20.50
Band38	10MHz	16QAM	38000	50RB#0	20.58
Band38	10MHz	16QAM	38200	1RB#0	21.18
Band38	10MHz	16QAM	38200	1RB#24	21.32
Band38	10MHz	16QAM	38200	1RB#49	21.19
Band38	10MHz	16QAM	38200	25RB#0	20.37
Band38	10MHz	16QAM	38200	25RB#12	20.53
Band38	10MHz	16QAM	38200	25RB#25	20.45
Band38	10MHz	16QAM	38200	50RB#0	20.43
Band38	10MHz	64QAM	37800	1RB#0	21.78
Band38	10MHz	64QAM	37800	1RB#24	22.20
Band38	10MHz	64QAM	37800	1RB#49	21.98
Band38	10MHz	64QAM	37800	25RB#0	20.95
Band38	10MHz	64QAM	37800	25RB#12	21.14
Band38	10MHz	64QAM	37800	25RB#25	21.08
Band38	10MHz	64QAM	37800	50RB#0	21.06
Band38	10MHz	64QAM	38000	1RB#0	22.10
Band38	10MHz	64QAM	38000	1RB#24	22.38
Band38	10MHz	64QAM	38000	1RB#49	21.96
Band38	10MHz	64QAM	38000	25RB#0	21.34
Band38	10MHz	64QAM	38000	25RB#12	21.42
Band38	10MHz	64QAM	38000	25RB#25	21.19
Band38	10MHz	64QAM	38000	50RB#0	21.34
Band38	10MHz	64QAM	38200	1RB#0	21.84
Band38	10MHz	64QAM	38200	1RB#24	21.97
Band38	10MHz	64QAM	38200	1RB#49	21.79
Band38	10MHz	64QAM	38200	25RB#0	20.99
Band38	10MHz	64QAM	38200	25RB#12	21.09
Band38	10MHz	64QAM	38200	25RB#25	20.88
Band38	10MHz	64QAM	38200	50RB#0	21.01
Band38	15MHz	QPSK	37825	1RB#0	22.30
Band38	15MHz	QPSK	37825	1RB#38	22.34
Band38	15MHz	QPSK	37825	1RB#74	22.39
Band38	15MHz	QPSK	37825	38RB#0	22.42
Band38	15MHz	QPSK	37825	38RB#18	22.49
Band38	15MHz	QPSK	37825	38RB#37	22.46
Band38	15MHz	QPSK	37825	75RB#0	21.57
Band38	15MHz	QPSK	38000	1RB#0	22.48
Band38	15MHz	QPSK	38000	1RB#38	22.68
Band38	15MHz	QPSK	38000	1RB#74	22.42
Band38	15MHz	QPSK	38000	38RB#0	22.58
Band38	15MHz	QPSK	38000	38RB#18	22.69

Band38	15MHz	QPSK	38000	38RB#37	22.85
Band38	15MHz	QPSK	38000	75RB#0	21.82
Band38	15MHz	QPSK	38175	1RB#0	22.46
Band38	15MHz	QPSK	38175	1RB#38	22.51
Band38	15MHz	QPSK	38175	1RB#74	22.50
Band38	15MHz	QPSK	38175	38RB#0	22.57
Band38	15MHz	QPSK	38175	38RB#18	22.50
Band38	15MHz	QPSK	38175	38RB#37	22.66
Band38	15MHz	QPSK	38175	75RB#0	21.56
Band38	15MHz	16QAM	37825	1RB#0	21.42
Band38	15MHz	16QAM	37825	1RB#38	21.67
Band38	15MHz	16QAM	37825	1RB#74	21.63
Band38	15MHz	16QAM	37825	38RB#0	21.50
Band38	15MHz	16QAM	37825	38RB#18	21.56
Band38	15MHz	16QAM	37825	38RB#37	21.72
Band38	15MHz	16QAM	37825	75RB#0	20.69
Band38	15MHz	16QAM	38000	1RB#0	21.81
Band38	15MHz	16QAM	38000	1RB#38	21.82
Band38	15MHz	16QAM	38000	1RB#74	21.54
Band38	15MHz	16QAM	38000	38RB#0	21.82
Band38	15MHz	16QAM	38000	38RB#18	21.85
Band38	15MHz	16QAM	38000	38RB#37	21.95
Band38	15MHz	16QAM	38000	75RB#0	20.91
Band38	15MHz	16QAM	38175	1RB#0	21.62
Band38	15MHz	16QAM	38175	1RB#38	21.61
Band38	15MHz	16QAM	38175	1RB#74	21.50
Band38	15MHz	16QAM	38175	38RB#0	21.61
Band38	15MHz	16QAM	38175	38RB#18	21.65
Band38	15MHz	16QAM	38175	38RB#37	21.68
Band38	15MHz	16QAM	38175	75RB#0	20.74
Band38	15MHz	64QAM	37825	1RB#0	21.84
Band38	15MHz	64QAM	37825	1RB#38	22.10
Band38	15MHz	64QAM	37825	1RB#74	22.06
Band38	15MHz	64QAM	37825	38RB#0	22.01
Band38	15MHz	64QAM	37825	38RB#18	22.08
Band38	15MHz	64QAM	37825	38RB#37	22.21
Band38	15MHz	64QAM	37825	75RB#0	21.18
Band38	15MHz	64QAM	38000	1RB#0	22.22
Band38	15MHz	64QAM	38000	1RB#38	22.32
Band38	15MHz	64QAM	38000	1RB#74	21.96
Band38	15MHz	64QAM	38000	38RB#0	22.22
Band38	15MHz	64QAM	38000	38RB#18	22.29
Band38	15MHz	64QAM	38000	38RB#37	22.36
Band38	15MHz	64QAM	38000	75RB#0	21.38
Band38	15MHz	64QAM	38175	1RB#0	22.00

Band38	15MHz	64QAM	38175	1RB#38	22.05
Band38	15MHz	64QAM	38175	1RB#74	21.81
Band38	15MHz	64QAM	38175	38RB#0	22.00
Band38	15MHz	64QAM	38175	38RB#18	21.96
Band38	15MHz	64QAM	38175	38RB#37	22.03
Band38	15MHz	64QAM	38175	75RB#0	21.08
Band38	20MHz	QPSK	37850	1RB#0	21.98
Band38	20MHz	QPSK	37850	1RB#49	22.43
Band38	20MHz	QPSK	37850	1RB#99	22.32
Band38	20MHz	QPSK	37850	50RB#0	21.41
Band38	20MHz	QPSK	37850	50RB#25	21.61
Band38	20MHz	QPSK	37850	50RB#50	21.56
Band38	20MHz	QPSK	37850	100RB#0	21.47
Band38	20MHz	QPSK	38000	1RB#0	22.36
Band38	20MHz	QPSK	38000	1RB#49	22.62
Band38	20MHz	QPSK	38000	1RB#99	22.29
Band38	20MHz	QPSK	38000	50RB#0	21.63
Band38	20MHz	QPSK	38000	50RB#25	21.78
Band38	20MHz	QPSK	38000	50RB#50	21.47
Band38	20MHz	QPSK	38000	100RB#0	21.66
Band38	20MHz	QPSK	38150	1RB#0	22.37
Band38	20MHz	QPSK	38150	1RB#49	22.53
Band38	20MHz	QPSK	38150	1RB#99	22.35
Band38	20MHz	QPSK	38150	50RB#0	21.48
Band38	20MHz	QPSK	38150	50RB#25	21.60
Band38	20MHz	QPSK	38150	50RB#50	21.40
Band38	20MHz	QPSK	38150	100RB#0	21.48
Band38	20MHz	16QAM	37850	1RB#0	21.32
Band38	20MHz	16QAM	37850	1RB#49	21.64
Band38	20MHz	16QAM	37850	1RB#99	21.50
Band38	20MHz	16QAM	37850	50RB#0	20.52
Band38	20MHz	16QAM	37850	50RB#25	20.71
Band38	20MHz	16QAM	37850	50RB#50	20.70
Band38	20MHz	16QAM	37850	100RB#0	20.67
Band38	20MHz	16QAM	38000	1RB#0	21.49
Band38	20MHz	16QAM	38000	1RB#49	21.82
Band38	20MHz	16QAM	38000	1RB#99	21.36
Band38	20MHz	16QAM	38000	50RB#0	20.78
Band38	20MHz	16QAM	38000	50RB#25	20.92
Band38	20MHz	16QAM	38000	50RB#50	20.61
Band38	20MHz	16QAM	38000	100RB#0	20.82
Band38	20MHz	16QAM	38150	1RB#0	21.45
Band38	20MHz	16QAM	38150	1RB#49	21.61
Band38	20MHz	16QAM	38150	1RB#99	21.29
Band38	20MHz	16QAM	38150	50RB#0	20.60

Band38	20MHz	16QAM	38150	50RB#25	20.68
Band38	20MHz	16QAM	38150	50RB#50	20.55
Band38	20MHz	16QAM	38150	100RB#0	20.58
Band38	20MHz	64QAM	37850	1RB#0	21.62
Band38	20MHz	64QAM	37850	1RB#49	22.00
Band38	20MHz	64QAM	37850	1RB#99	21.95
Band38	20MHz	64QAM	37850	50RB#0	20.91
Band38	20MHz	64QAM	37850	50RB#25	21.11
Band38	20MHz	64QAM	37850	50RB#50	21.08
Band38	20MHz	64QAM	37850	100RB#0	21.07
Band38	20MHz	64QAM	38000	1RB#0	22.01
Band38	20MHz	64QAM	38000	1RB#49	22.22
Band38	20MHz	64QAM	38000	1RB#99	21.74
Band38	20MHz	64QAM	38000	50RB#0	21.18
Band38	20MHz	64QAM	38000	50RB#25	21.34
Band38	20MHz	64QAM	38000	50RB#50	21.05
Band38	20MHz	64QAM	38000	100RB#0	21.27
Band38	20MHz	64QAM	38150	1RB#0	21.94
Band38	20MHz	64QAM	38150	1RB#49	21.96
Band38	20MHz	64QAM	38150	1RB#99	21.66
Band38	20MHz	64QAM	38150	50RB#0	21.02
Band38	20MHz	64QAM	38150	50RB#25	21.13
Band38	20MHz	64QAM	38150	50RB#50	20.93
Band38	20MHz	64QAM	38150	100RB#0	21.03
Band41	5MHz	QPSK	39675	1RB#0	22.46
Band41	5MHz	QPSK	39675	1RB#12	22.36
Band41	5MHz	QPSK	39675	1RB#24	22.25
Band41	5MHz	QPSK	39675	12RB#0	21.45
Band41	5MHz	QPSK	39675	12RB#6	21.47
Band41	5MHz	QPSK	39675	12RB#13	21.52
Band41	5MHz	QPSK	39675	25RB#0	21.60
Band41	5MHz	QPSK	40620	1RB#0	23.24
Band41	5MHz	QPSK	40620	1RB#12	23.40
Band41	5MHz	QPSK	40620	1RB#24	23.38
Band41	5MHz	QPSK	40620	12RB#0	22.61
Band41	5MHz	QPSK	40620	12RB#6	22.70
Band41	5MHz	QPSK	40620	12RB#13	22.60
Band41	5MHz	QPSK	40620	25RB#0	22.62
Band41	5MHz	QPSK	41565	1RB#0	23.24
Band41	5MHz	QPSK	41565	1RB#12	23.19
Band41	5MHz	QPSK	41565	1RB#24	23.05
Band41	5MHz	QPSK	41565	12RB#0	22.29
Band41	5MHz	QPSK	41565	12RB#6	22.27
Band41	5MHz	QPSK	41565	12RB#13	22.20
Band41	5MHz	QPSK	41565	25RB#0	22.23

Band41	5MHz	16QAM	39675	1RB#0	21.56
Band41	5MHz	16QAM	39675	1RB#12	21.48
Band41	5MHz	16QAM	39675	1RB#24	21.39
Band41	5MHz	16QAM	39675	12RB#0	20.35
Band41	5MHz	16QAM	39675	12RB#6	20.45
Band41	5MHz	16QAM	39675	12RB#13	20.58
Band41	5MHz	16QAM	39675	25RB#0	20.78
Band41	5MHz	16QAM	40620	1RB#0	22.57
Band41	5MHz	16QAM	40620	1RB#12	22.62
Band41	5MHz	16QAM	40620	1RB#24	22.47
Band41	5MHz	16QAM	40620	12RB#0	21.63
Band41	5MHz	16QAM	40620	12RB#6	21.66
Band41	5MHz	16QAM	40620	12RB#13	21.57
Band41	5MHz	16QAM	40620	25RB#0	21.72
Band41	5MHz	16QAM	41565	1RB#0	22.37
Band41	5MHz	16QAM	41565	1RB#12	22.27
Band41	5MHz	16QAM	41565	1RB#24	22.10
Band41	5MHz	16QAM	41565	12RB#0	21.17
Band41	5MHz	16QAM	41565	12RB#6	21.14
Band41	5MHz	16QAM	41565	12RB#13	21.04
Band41	5MHz	16QAM	41565	25RB#0	21.21
Band41	5MHz	64QAM	39675	1RB#0	22.53
Band41	5MHz	64QAM	39675	1RB#12	22.54
Band41	5MHz	64QAM	39675	1RB#24	22.46
Band41	5MHz	64QAM	39675	12RB#0	21.34
Band41	5MHz	64QAM	39675	12RB#6	21.47
Band41	5MHz	64QAM	39675	12RB#13	21.37
Band41	5MHz	64QAM	39675	25RB#0	21.49
Band41	5MHz	64QAM	40620	1RB#0	22.70
Band41	5MHz	64QAM	40620	1RB#12	22.78
Band41	5MHz	64QAM	40620	1RB#24	22.60
Band41	5MHz	64QAM	40620	12RB#0	21.66
Band41	5MHz	64QAM	40620	12RB#6	21.74
Band41	5MHz	64QAM	40620	12RB#13	21.69
Band41	5MHz	64QAM	40620	25RB#0	21.75
Band41	5MHz	64QAM	41565	1RB#0	22.48
Band41	5MHz	64QAM	41565	1RB#12	22.33
Band41	5MHz	64QAM	41565	1RB#24	22.22
Band41	5MHz	64QAM	41565	12RB#0	21.25
Band41	5MHz	64QAM	41565	12RB#6	21.19
Band41	5MHz	64QAM	41565	12RB#13	21.08
Band41	5MHz	64QAM	41565	25RB#0	21.26
Band41	10MHz	QPSK	39700	1RB#0	23.22
Band41	10MHz	QPSK	39700	1RB#24	23.28
Band41	10MHz	QPSK	39700	1RB#49	23.08

Band41	10MHz	QPSK	39700	25RB#0	22.30
Band41	10MHz	QPSK	39700	25RB#12	22.46
Band41	10MHz	QPSK	39700	25RB#25	22.24
Band41	10MHz	QPSK	39700	50RB#0	22.33
Band41	10MHz	QPSK	40620	1RB#0	23.28
Band41	10MHz	QPSK	40620	1RB#24	23.44
Band41	10MHz	QPSK	40620	1RB#49	23.32
Band41	10MHz	QPSK	40620	25RB#0	22.55
Band41	10MHz	QPSK	40620	25RB#12	22.71
Band41	10MHz	QPSK	40620	25RB#25	22.52
Band41	10MHz	QPSK	40620	50RB#0	22.58
Band41	10MHz	QPSK	41540	1RB#0	23.43
Band41	10MHz	QPSK	41540	1RB#24	23.31
Band41	10MHz	QPSK	41540	1RB#49	22.96
Band41	10MHz	QPSK	41540	25RB#0	22.41
Band41	10MHz	QPSK	41540	25RB#12	22.37
Band41	10MHz	QPSK	41540	25RB#25	21.49
Band41	10MHz	QPSK	41540	50RB#0	22.34
Band41	10MHz	16QAM	39700	1RB#0	22.05
Band41	10MHz	16QAM	39700	1RB#24	22.55
Band41	10MHz	16QAM	39700	1RB#49	22.00
Band41	10MHz	16QAM	39700	25RB#0	21.40
Band41	10MHz	16QAM	39700	25RB#12	21.47
Band41	10MHz	16QAM	39700	25RB#25	21.35
Band41	10MHz	16QAM	39700	50RB#0	21.43
Band41	10MHz	16QAM	40620	1RB#0	22.47
Band41	10MHz	16QAM	40620	1RB#24	22.69
Band41	10MHz	16QAM	40620	1RB#49	22.41
Band41	10MHz	16QAM	40620	25RB#0	21.61
Band41	10MHz	16QAM	40620	25RB#12	21.80
Band41	10MHz	16QAM	40620	25RB#25	21.68
Band41	10MHz	16QAM	40620	50RB#0	21.67
Band41	10MHz	16QAM	41540	1RB#0	22.51
Band41	10MHz	16QAM	41540	1RB#24	22.38
Band41	10MHz	16QAM	41540	1RB#49	22.07
Band41	10MHz	16QAM	41540	25RB#0	21.39
Band41	10MHz	16QAM	41540	25RB#12	21.38
Band41	10MHz	16QAM	41540	25RB#25	21.19
Band41	10MHz	16QAM	41540	50RB#0	21.32
Band41	10MHz	64QAM	39700	1RB#0	22.25
Band41	10MHz	64QAM	39700	1RB#24	22.72
Band41	10MHz	64QAM	39700	1RB#49	22.23
Band41	10MHz	64QAM	39700	25RB#0	21.63
Band41	10MHz	64QAM	39700	25RB#12	21.69
Band41	10MHz	64QAM	39700	25RB#25	21.52

Band41	10MHz	64QAM	39700	50RB#0	21.65
Band41	10MHz	64QAM	40620	1RB#0	22.65
Band41	10MHz	64QAM	40620	1RB#24	22.88
Band41	10MHz	64QAM	40620	1RB#49	22.63
Band41	10MHz	64QAM	40620	25RB#0	21.84
Band41	10MHz	64QAM	40620	25RB#12	21.90
Band41	10MHz	64QAM	40620	25RB#25	21.85
Band41	10MHz	64QAM	40620	50RB#0	21.87
Band41	10MHz	64QAM	41540	1RB#0	22.65
Band41	10MHz	64QAM	41540	1RB#24	22.55
Band41	10MHz	64QAM	41540	1RB#49	22.24
Band41	10MHz	64QAM	41540	25RB#0	21.50
Band41	10MHz	64QAM	41540	25RB#12	21.50
Band41	10MHz	64QAM	41540	25RB#25	21.31
Band41	10MHz	64QAM	41540	50RB#0	21.43
Band41	15MHz	QPSK	39725	1RB#0	22.64
Band41	15MHz	QPSK	39725	1RB#38	23.32
Band41	15MHz	QPSK	39725	1RB#74	23.23
Band41	15MHz	QPSK	39725	38RB#0	23.17
Band41	15MHz	QPSK	39725	38RB#18	23.31
Band41	15MHz	QPSK	39725	38RB#37	23.35
Band41	15MHz	QPSK	39725	75RB#0	22.51
Band41	15MHz	QPSK	40620	1RB#0	23.32
Band41	15MHz	QPSK	40620	1RB#38	23.50
Band41	15MHz	QPSK	40620	1RB#74	23.38
Band41	15MHz	QPSK	40620	38RB#0	23.28
Band41	15MHz	QPSK	40620	38RB#18	23.33
Band41	15MHz	QPSK	40620	38RB#37	23.49
Band41	15MHz	QPSK	40620	75RB#0	22.66
Band41	15MHz	QPSK	41515	1RB#0	23.66
Band41	15MHz	QPSK	41515	1RB#38	23.36
Band41	15MHz	QPSK	41515	1RB#74	23.04
Band41	15MHz	QPSK	41515	38RB#0	23.61
Band41	15MHz	QPSK	41515	38RB#18	23.48
Band41	15MHz	QPSK	41515	38RB#37	23.41
Band41	15MHz	QPSK	41515	75RB#0	22.53
Band41	15MHz	16QAM	39725	1RB#0	22.32
Band41	15MHz	16QAM	39725	1RB#38	22.52
Band41	15MHz	16QAM	39725	1RB#74	22.02
Band41	15MHz	16QAM	39725	38RB#0	22.44
Band41	15MHz	16QAM	39725	38RB#18	22.50
Band41	15MHz	16QAM	39725	38RB#37	22.54
Band41	15MHz	16QAM	39725	75RB#0	21.45
Band41	15MHz	16QAM	40620	1RB#0	22.60
Band41	15MHz	16QAM	40620	1RB#38	22.78

Band41	15MHz	16QAM	40620	1RB#74	22.47
Band41	15MHz	16QAM	40620	38RB#0	22.60
Band41	15MHz	16QAM	40620	38RB#18	22.62
Band41	15MHz	16QAM	40620	38RB#37	22.75
Band41	15MHz	16QAM	40620	75RB#0	21.79
Band41	15MHz	16QAM	41515	1RB#0	22.79
Band41	15MHz	16QAM	41515	1RB#38	22.55
Band41	15MHz	16QAM	41515	1RB#74	22.20
Band41	15MHz	16QAM	41515	38RB#0	22.78
Band41	15MHz	16QAM	41515	38RB#18	22.65
Band41	15MHz	16QAM	41515	38RB#37	22.59
Band41	15MHz	16QAM	41515	75RB#0	21.51
Band41	15MHz	64QAM	39725	1RB#0	22.65
Band41	15MHz	64QAM	39725	1RB#38	22.73
Band41	15MHz	64QAM	39725	1RB#74	22.25
Band41	15MHz	64QAM	39725	38RB#0	22.67
Band41	15MHz	64QAM	39725	38RB#18	22.67
Band41	15MHz	64QAM	39725	38RB#37	22.74
Band41	15MHz	64QAM	39725	75RB#0	21.65
Band41	15MHz	64QAM	40620	1RB#0	22.79
Band41	15MHz	64QAM	40620	1RB#38	22.89
Band41	15MHz	64QAM	40620	1RB#74	22.61
Band41	15MHz	64QAM	40620	38RB#0	22.75
Band41	15MHz	64QAM	40620	38RB#18	22.83
Band41	15MHz	64QAM	40620	38RB#37	22.93
Band41	15MHz	64QAM	40620	75RB#0	21.98
Band41	15MHz	64QAM	41515	1RB#0	22.88
Band41	15MHz	64QAM	41515	1RB#38	22.67
Band41	15MHz	64QAM	41515	1RB#74	22.33
Band41	15MHz	64QAM	41515	38RB#0	22.90
Band41	15MHz	64QAM	41515	38RB#18	22.76
Band41	15MHz	64QAM	41515	38RB#37	22.71
Band41	15MHz	64QAM	41515	75RB#0	21.71
Band41	20MHz	QPSK	39750	1RB#0	23.51
Band41	20MHz	QPSK	39750	1RB#49	24.58
Band41	20MHz	QPSK	39750	1RB#99	24.54
Band41	20MHz	QPSK	39750	50RB#0	23.66
Band41	20MHz	QPSK	39750	50RB#25	23.76
Band41	20MHz	QPSK	39750	50RB#50	23.68
Band41	20MHz	QPSK	39750	100RB#0	23.61
Band41	20MHz	QPSK	40620	1RB#0	24.61
Band41	20MHz	QPSK	40620	1RB#49	25.00
Band41	20MHz	QPSK	40620	1RB#99	24.89
Band41	20MHz	QPSK	40620	50RB#0	24.03
Band41	20MHz	QPSK	40620	50RB#25	24.21

Band41	20MHz	QPSK	40620	50RB#50	24.02
Band41	20MHz	QPSK	40620	100RB#0	24.10
Band41	20MHz	QPSK	41490	1RB#0	24.25
Band41	20MHz	QPSK	41490	1RB#49	24.02
Band41	20MHz	QPSK	41490	1RB#99	23.70
Band41	20MHz	QPSK	41490	50RB#0	23.28
Band41	20MHz	QPSK	41490	50RB#25	23.26
Band41	20MHz	QPSK	41490	50RB#50	23.03
Band41	20MHz	QPSK	41490	100RB#0	23.14
Band41	20MHz	16QAM	39750	1RB#0	22.81
Band41	20MHz	16QAM	39750	1RB#49	23.78
Band41	20MHz	16QAM	39750	1RB#99	23.45
Band41	20MHz	16QAM	39750	50RB#0	22.74
Band41	20MHz	16QAM	39750	50RB#25	22.84
Band41	20MHz	16QAM	39750	50RB#50	22.77
Band41	20MHz	16QAM	39750	100RB#0	22.71
Band41	20MHz	16QAM	40620	1RB#0	23.88
Band41	20MHz	16QAM	40620	1RB#49	24.21
Band41	20MHz	16QAM	40620	1RB#99	23.88
Band41	20MHz	16QAM	40620	50RB#0	23.07
Band41	20MHz	16QAM	40620	50RB#25	23.34
Band41	20MHz	16QAM	40620	50RB#50	23.21
Band41	20MHz	16QAM	40620	100RB#0	23.21
Band41	20MHz	16QAM	41490	1RB#0	23.33
Band41	20MHz	16QAM	41490	1RB#49	23.26
Band41	20MHz	16QAM	41490	1RB#99	22.82
Band41	20MHz	16QAM	41490	50RB#0	22.28
Band41	20MHz	16QAM	41490	50RB#25	22.29
Band41	20MHz	16QAM	41490	50RB#50	22.01
Band41	20MHz	16QAM	41490	100RB#0	22.23
Band41	20MHz	64QAM	39750	1RB#0	22.34
Band41	20MHz	64QAM	39750	1RB#49	22.68
Band41	20MHz	64QAM	39750	1RB#99	22.16
Band41	20MHz	64QAM	39750	50RB#0	21.68
Band41	20MHz	64QAM	39750	50RB#25	21.71
Band41	20MHz	64QAM	39750	50RB#50	21.48
Band41	20MHz	64QAM	39750	100RB#0	21.64
Band41	20MHz	64QAM	40620	1RB#0	22.69
Band41	20MHz	64QAM	40620	1RB#49	22.94
Band41	20MHz	64QAM	40620	1RB#99	22.54
Band41	20MHz	64QAM	40620	50RB#0	21.88
Band41	20MHz	64QAM	40620	50RB#25	22.03
Band41	20MHz	64QAM	40620	50RB#50	21.85
Band41	20MHz	64QAM	40620	100RB#0	21.93
Band41	20MHz	64QAM	41490	1RB#0	22.95

Band41	20MHz	64QAM	41490	1RB#49	22.80
Band41	20MHz	64QAM	41490	1RB#99	22.28
Band41	20MHz	64QAM	41490	50RB#0	21.84
Band41	20MHz	64QAM	41490	50RB#25	21.83
Band41	20MHz	64QAM	41490	50RB#50	21.50
Band41	20MHz	64QAM	41490	100RB#0	21.72

3.5. Support Equipment List

Table 3 Support Equipment List

Name	Model No	S/N	Manufacturer
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3.6. Test Conditions

Date of EUT Receive：Oct.25, 2022

Date of test (For Radiated Spurious Emissions):
Apr.28, 2023

Date of test (For the other test):
Dec.27, 2022 - May.29, 2023

Voltage (For Radiated Spurious Emissions test): AC 110 V
Voltage (For the other test): DC: 10.2 V (Low) /12.0 V (Nominal) / 13.8 V (Max)
Temperature: -30 ~ 50 ℃
Relative Humidity: 41~48%
Air Pressure: (100.0-101.9) kPa

3.7. Special Accessories

Not available for this EUT intended for grant.

3.8. Equipment Modifications

Not available for this EUT intended for grant.

4. TEST EQUIPMENT USED

4.1. Details for Conducted test equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB13118	Wideband Radio communication Tester	R&S	CMW500	Apr.24, 2023	1 Year
SB13118	Wideband Radio communication Tester	R&S	CMW500	Apr.26, 2022	1 Year
SB9721/02	Signal Analyzer	Agilent	N9020A	Apr.24, 2023	1 Year
SB9721/02	Signal Analyzer	Agilent	N9020A	Apr.26, 2022	1 Year
SB20321/01	Signal Analyzer	R&S	FSV3044	Dec.16, 2022	1 Year
SB9721/07	DC Power Supply	Agilent	66319D	--	--
SB18164	Band Reject Filter Group	Tonscend	JS0806-F	--	--
SB11818	Temperature & Humidity Test chamber	Espec	EH-010U	Dec.16, 2022	1 Year
--	Test Software	Tonscend	JS1120	--	--

4.2. Details for Radiated spurious test equipment

No.	Equipment	Manufacturer	Model No.	Last Cal.	Cal. Interval
SB8501/09	EMI Test Receiver	R&S	ESU40	Jan.19, 2023	1 Year
SB9054/08	Bilog Antenna	Schwarzbeck	VULB9163	Dec.29, 2022	1 Year
SB3435	Horn Antenna	R&S	HF906	Dec.03, 2022	1 Year
SB8501/11	Horn Antenna	ETS-Lindgren	3160-09	Feb.22, 2023	3 Year
SB8501/12	Horn Antenna	ETS-Lindgren	3160-10	Feb.22, 2023	3 Year
SB8501/14	Preamplifier	R&S	SCU-03	Jan.31, 2023	1 Year
SB8501/17	Preamplifier	R&S	SCU-18	Jan.31, 2023	1 Year
SB8501/16	Preamplifier	R&S	SCU-26	Jan.31, 2023	1 Year
SB9059	Preamplifier	R&S	SCU-40	Aug.10, 2022	1 Year
SB12724/06	Wideband Radio communication Tester	R&S	CMW500	Apr.24, 2023	1 Year
--	Radiated Test Software	R&S	EMC 32	--	--
SB9555/02	Fully Anechoic Chamber	Albatross	10.0*5.2*5.4(m)	Aug.16,2022	1 Year
SB15044/01	Test Receiver	R&S	ESW8	Sep.13,2022	1 Year
SB12944	Broadband Antenna	R&S	VULB9163	Dec.29,2022	1 Year
SB18844	Semi Anechoic Chamber	Albatross	9×6×6(m)	Mar.20,2023	1 Year

5. TEST RESULTS

5.1. Conducted Power & Effective Radiated Power

5.1.1. Test Standard

FCC: CFR Part 2.1046, 22.913, 27.50

5.1.2. Test Limit

22.913 (a) Effective radiated power limits.
The effective radiated power (ERP) of mobile transmitters must not exceed 7 Watts.

27.50(h) (2), for mobile and other user stations, mobile stations are limited to 2.0 watts EIRP. All user stations are limited to 2.0 watts transmitter output power.

5.1.3. Test Procedure

EIRP (dBm) = ERP (dBm) + 2.15 (dB)
ERP/EIRP = PMeas + GT − LC
where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same
units as PMeas, typically dBW or dBm);
PMeas = measured transmitter output power or PSD, in dBm or dBW;
GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);
LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.
For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.
EUT includes different power levels for head use configuration and body use configuration and the below tables contain the highest of all configurations average conducted and ERP/EIRP output powers as follows:

5.1.4.Test Data

LTE Band 5 ,Channel Bandwidth: 1.4 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20407	824.7	1	0	**23.43**	-5.08	**16.20**	38.5	Pass
			1	3	23.14	-5.08	15.91	38.5	Pass
			1	5	23.27	-5.08	16.04	38.5	Pass
			3	0	23.05	-5.08	15.82	38.5	Pass
			3	2	23.03	-5.08	15.80	38.5	Pass
			3	3	22.94	-5.08	15.71	38.5	Pass
			6	0	22.09	-5.08	14.86	38.5	Pass
	20525	836.5	1	0	22.85	-5.08	15.62	38.5	Pass
			1	3	22.71	-5.08	15.48	38.5	Pass
			1	5	22.78	-5.08	15.55	38.5	Pass
			3	0	22.62	-5.08	15.39	38.5	Pass
			3	2	22.59	-5.08	15.36	38.5	Pass
			3	3	22.60	-5.08	15.37	38.5	Pass
			6	0	21.70	-5.08	14.47	38.5	Pass
	20643	848.3	1	0	22.73	-5.08	15.50	38.5	Pass
			1	3	22.65	-5.08	15.42	38.5	Pass
			1	5	22.74	-5.08	15.51	38.5	Pass
			3	0	22.61	-5.08	15.38	38.5	Pass
			3	2	22.61	-5.08	15.38	38.5	Pass
			3	3	22.56	-5.08	15.33	38.5	Pass
			6	0	21.68	-5.08	14.45	38.5	Pass
16QAM	20407	824.7	1	0	**22.78**	-5.08	**15.55**	38.5	Pass
			1	3	22.40	-5.08	15.17	38.5	Pass
			1	5	22.48	-5.08	15.25	38.5	Pass
			3	0	22.27	-5.08	15.04	38.5	Pass
			3	2	22.18	-5.08	14.95	38.5	Pass
			3	3	22.15	-5.08	14.92	38.5	Pass
			6	0	21.15	-5.08	13.92	38.5	Pass
	20525	836.5	1	0	22.24	-5.08	15.01	38.5	Pass
			1	3	22.20	-5.08	14.97	38.5	Pass
			1	5	22.18	-5.08	14.95	38.5	Pass
			3	0	21.82	-5.08	14.59	38.5	Pass
			3	2	21.80	-5.08	14.57	38.5	Pass
			3	3	21.85	-5.08	14.62	38.5	Pass
			6	0	20.79	-5.08	13.56	38.5	Pass

	20643	848.3	1	0	22.12	-5.08	14.89	38.5	Pass
			1	3	22.05	-5.08	14.82	38.5	Pass
			1	5	22.15	-5.08	14.92	38.5	Pass
			3	0	21.76	-5.08	14.53	38.5	Pass
			3	2	21.76	-5.08	14.53	38.5	Pass
			3	3	21.78	-5.08	14.55	38.5	Pass
			6	0	20.88	-5.08	13.65	38.5	Pass
64QAM	20407	824.7	1	0	**22.46**	-5.08	**15.23**	38.5	Pass
			1	3	22.31	-5.08	15.08	38.5	Pass
			1	5	22.35	-5.08	15.12	38.5	Pass
			3	0	22.18	-5.08	14.95	38.5	Pass
			3	2	22.22	-5.08	14.99	38.5	Pass
			3	3	22.16	-5.08	14.93	38.5	Pass
			6	0	21.14	-5.08	13.91	38.5	Pass
	20525	836.5	1	0	22.04	-5.08	14.81	38.5	Pass
			1	3	21.97	-5.08	14.74	38.5	Pass
			1	5	22.09	-5.08	14.86	38.5	Pass
			3	0	21.85	-5.08	14.62	38.5	Pass
			3	2	21.84	-5.08	14.61	38.5	Pass
			3	3	21.79	-5.08	14.56	38.5	Pass
			6	0	20.82	-5.08	13.59	38.5	Pass
	20643	848.3	1	0	21.98	-5.08	14.75	38.5	Pass
			1	3	21.86	-5.08	14.63	38.5	Pass
			1	5	21.94	-5.08	14.71	38.5	Pass
			3	0	21.76	-5.08	14.53	38.5	Pass
			3	2	21.87	-5.08	14.64	38.5	Pass
			3	3	21.76	-5.08	14.53	38.5	Pass
			6	0	20.95	-5.08	13.72	38.5	Pass

LTE Band 5 ,Channel Bandwidth: 3 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20415	825.5	1	0	**22.91**	-5.08	**15.68**	38.5	Pass
			1	7	22.83	-5.08	15.60	38.5	Pass
			1	14	22.77	-5.08	15.54	38.5	Pass
			8	0	21.88	-5.08	14.65	38.5	Pass
			8	4	21.91	-5.08	14.68	38.5	Pass
			8	7	21.87	-5.08	14.64	38.5	Pass
			15	0	21.86	-5.08	14.63	38.5	Pass
	20525	836.5	1	0	22.54	-5.08	15.31	38.5	Pass

			1	7	22.67	-5.08	15.44	38.5	Pass
			1	14	22.59	-5.08	15.36	38.5	Pass
			8	0	21.69	-5.08	14.46	38.5	Pass
			8	4	21.73	-5.08	14.50	38.5	Pass
			8	7	21.71	-5.08	14.48	38.5	Pass
			15	0	21.70	-5.08	14.47	38.5	Pass
	20635	847.5	1	0	22.65	-5.08	15.42	38.5	Pass
			1	7	22.72	-5.08	15.49	38.5	Pass
			1	14	22.64	-5.08	15.41	38.5	Pass
			8	0	21.76	-5.08	14.53	38.5	Pass
			8	4	21.81	-5.08	14.58	38.5	Pass
			8	7	21.75	-5.08	14.52	38.5	Pass
			15	0	21.79	-5.08	14.56	38.5	Pass
	20415	825.5	1	0	22.17	-5.08	14.94	38.5	Pass
			1	7	**22.22**	-5.08	**14.99**	38.5	Pass
			1	14	22.08	-5.08	14.85	38.5	Pass
			8	0	21.02	-5.08	13.79	38.5	Pass
			8	4	21.05	-5.08	13.82	38.5	Pass
			8	7	21.00	-5.08	13.77	38.5	Pass
			15	0	20.92	-5.08	13.69	38.5	Pass
	20525	836.5	1	0	21.93	-5.08	14.70	38.5	Pass
			1	7	22.06	-5.08	14.83	38.5	Pass
			1	14	21.95	-5.08	14.72	38.5	Pass
16QAM			8	0	20.84	-5.08	13.61	38.5	Pass
			8	4	20.90	-5.08	13.67	38.5	Pass
			8	7	20.88	-5.08	13.65	38.5	Pass
			15	0	20.80	-5.08	13.57	38.5	Pass
	20635	847.5	1	0	21.97	-5.08	14.74	38.5	Pass
			1	7	22.20	-5.08	14.97	38.5	Pass
			1	14	22.01	-5.08	14.78	38.5	Pass
			8	0	20.90	-5.08	13.67	38.5	Pass
			8	4	21.00	-5.08	13.77	38.5	Pass
			8	7	20.95	-5.08	13.72	38.5	Pass
			15	0	20.82	-5.08	13.59	38.5	Pass
	20415	825.5	1	0	**22.27**	-5.08	**15.04**	38.5	Pass
			1	7	22.24	-5.08	15.01	38.5	Pass
			1	14	22.07	-5.08	14.84	38.5	Pass
64QAM			8	0	21.07	-5.08	13.84	38.5	Pass
			8	4	21.05	-5.08	13.82	38.5	Pass
			8	7	21.00	-5.08	13.77	38.5	Pass
			15	0	21.01	-5.08	13.78	38.5	Pass

	20525	836.5	1	0	21.81	-5.08	14.58	38.5	Pass
			1	7	21.88	-5.08	14.65	38.5	Pass
			1	14	21.80	-5.08	14.57	38.5	Pass
			8	0	20.88	-5.08	13.65	38.5	Pass
			8	4	20.91	-5.08	13.68	38.5	Pass
			8	7	20.89	-5.08	13.66	38.5	Pass
			15	0	20.85	-5.08	13.62	38.5	Pass
	20635	847.5	1	0	21.89	-5.08	14.66	38.5	Pass
			1	7	21.99	-5.08	14.76	38.5	Pass
			1	14	21.86	-5.08	14.63	38.5	Pass
			8	0	20.95	-5.08	13.72	38.5	Pass
			8	4	21.03	-5.08	13.80	38.5	Pass
			8	7	20.99	-5.08	13.76	38.5	Pass
			15	0	20.98	-5.08	13.75	38.5	Pass

LTE Band 5 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20425	826.5	1	0	22.84	-5.08	15.61	38.5	Pass
			1	12	**22.96**	-5.08	**15.73**	38.5	Pass
			1	24	22.68	-5.08	15.45	38.5	Pass
			12	0	21.89	-5.08	14.66	38.5	Pass
			12	6	21.92	-5.08	14.69	38.5	Pass
			12	13	21.76	-5.08	14.53	38.5	Pass
			25	0	21.82	-5.08	14.59	38.5	Pass
	20525	836.5	1	0	22.39	-5.08	15.16	38.5	Pass
			1	12	22.66	-5.08	15.43	38.5	Pass
			1	24	22.71	-5.08	15.48	38.5	Pass
			12	0	21.63	-5.08	14.40	38.5	Pass
			12	6	21.74	-5.08	14.51	38.5	Pass
			12	13	21.72	-5.08	14.49	38.5	Pass
			25	0	21.67	-5.08	14.44	38.5	Pass
	20625	846.5	1	0	22.75	-5.08	15.52	38.5	Pass
			1	12	22.70	-5.08	15.47	38.5	Pass
			1	24	22.57	-5.08	15.34	38.5	Pass
			12	0	21.70	-5.08	14.47	38.5	Pass
			12	6	21.84	-5.08	14.61	38.5	Pass
			12	13	21.74	-5.08	14.51	38.5	Pass
			25	0	21.77	-5.08	14.54	38.5	Pass
16QAM	20425	826.5	1	0	22.13	-5.08	14.90	38.5	Pass

			1	12	**22.24**	-5.08	**15.01**	38.5	Pass
			1	24	21.97	-5.08	14.74	38.5	Pass
			12	0	20.99	-5.08	13.76	38.5	Pass
			12	6	21.01	-5.08	13.78	38.5	Pass
			12	13	20.88	-5.08	13.65	38.5	Pass
			25	0	20.85	-5.08	13.62	38.5	Pass
	20525	836.5	1	0	21.70	-5.08	14.47	38.5	Pass
			1	12	22.07	-5.08	14.84	38.5	Pass
			1	24	22.14	-5.08	14.91	38.5	Pass
			12	0	20.73	-5.08	13.50	38.5	Pass
			12	6	20.88	-5.08	13.65	38.5	Pass
			12	13	20.84	-5.08	13.61	38.5	Pass
			25	0	20.73	-5.08	13.50	38.5	Pass
	20625	846.5	1	0	22.10	-5.08	14.87	38.5	Pass
			1	12	22.08	-5.08	14.85	38.5	Pass
			1	24	21.87	-5.08	14.64	38.5	Pass
			12	0	20.89	-5.08	13.66	38.5	Pass
			12	6	20.97	-5.08	13.74	38.5	Pass
			12	13	20.82	-5.08	13.59	38.5	Pass
			25	0	20.76	-5.08	13.53	38.5	Pass
64QAM	20425	826.5	1	0	21.97	-5.08	14.74	38.5	Pass
			1	12	**22.06**	-5.08	**14.83**	38.5	Pass
			1	24	21.82	-5.08	14.59	38.5	Pass
			12	0	20.99	-5.08	13.76	38.5	Pass
			12	6	21.04	-5.08	13.81	38.5	Pass
			12	13	20.95	-5.08	13.72	38.5	Pass
			25	0	21.05	-5.08	13.82	38.5	Pass
	20525	836.5	1	0	21.98	-5.08	14.75	38.5	Pass
			1	12	21.92	-5.08	14.69	38.5	Pass
			1	24	21.91	-5.08	14.68	38.5	Pass
			12	0	20.80	-5.08	13.57	38.5	Pass
			12	6	20.97	-5.08	13.74	38.5	Pass
			12	13	20.93	-5.08	13.70	38.5	Pass
			25	0	20.88	-5.08	13.65	38.5	Pass
	20625	846.5	1	0	21.92	-5.08	14.69	38.5	Pass
			1	12	21.93	-5.08	14.70	38.5	Pass
			1	24	21.86	-5.08	14.63	38.5	Pass
			12	0	20.97	-5.08	13.74	38.5	Pass
			12	6	21.00	-5.08	13.77	38.5	Pass
			12	13	20.90	-5.08	13.67	38.5	Pass
			25	0	20.92	-5.08	13.69	38.5	Pass

LTE Band 5 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	ERP [dBm]	ERP Limit [dBm]	Verdict
			Size	Offset					
QPSK	20450	829	1	0	**22.70**	-5.08	**15.47**	38.5	Pass
			1	24	22.62	-5.08	15.39	38.5	Pass
			1	49	22.30	-5.08	15.07	38.5	Pass
			25	0	21.62	-5.08	14.39	38.5	Pass
			25	12	21.71	-5.08	14.48	38.5	Pass
			25	25	21.51	-5.08	14.28	38.5	Pass
			50	0	21.65	-5.08	14.42	38.5	Pass
	20525	836.5	1	0	22.44	-5.08	15.21	38.5	Pass
			1	24	22.63	-5.08	15.40	38.5	Pass
			1	49	22.59	-5.08	15.36	38.5	Pass
			25	0	21.49	-5.08	14.26	38.5	Pass
			25	12	21.66	-5.08	14.43	38.5	Pass
			25	25	21.71	-5.08	14.48	38.5	Pass
			50	0	21.62	-5.08	14.39	38.5	Pass
	20600	844	1	0	22.29	-5.08	15.06	38.5	Pass
			1	24	22.61	-5.08	15.38	38.5	Pass
			1	49	22.41	-5.08	15.18	38.5	Pass
			25	0	21.68	-5.08	14.45	38.5	Pass
			25	12	21.68	-5.08	14.45	38.5	Pass
			25	25	21.56	-5.08	14.33	38.5	Pass
			50	0	21.51	-5.08	14.28	38.5	Pass
16QAM	20450	829	1	0	22.33	-5.08	15.10	38.5	Pass
			1	24	**22.40**	-5.08	**15.17**	38.5	Pass
			1	49	22.01	-5.08	14.78	38.5	Pass
			25	0	20.93	-5.08	13.70	38.5	Pass
			25	12	20.91	-5.08	13.68	38.5	Pass
			25	25	20.74	-5.08	13.51	38.5	Pass
			50	0	20.74	-5.08	13.51	38.5	Pass
	20525	836.5	1	0	21.78	-5.08	14.55	38.5	Pass
			1	24	21.92	-5.08	14.69	38.5	Pass
			1	49	21.94	-5.08	14.71	38.5	Pass
			25	0	20.56	-5.08	13.33	38.5	Pass
			25	12	20.69	-5.08	13.46	38.5	Pass
			25	25	20.71	-5.08	13.48	38.5	Pass
			50	0	20.55	-5.08	13.32	38.5	Pass
	20600	844	1	0	21.91	-5.08	14.68	38.5	Pass
			1	24	22.05	-5.08	14.82	38.5	Pass

			1	49	21.69	-5.08	14.46	38.5	Pass
			25	0	20.76	-5.08	13.53	38.5	Pass
			25	12	20.74	-5.08	13.51	38.5	Pass
			25	25	20.66	-5.08	13.43	38.5	Pass
			50	0	20.59	-5.08	13.36	38.5	Pass
	20450	829	1	0	21.87	-5.08	14.64	38.5	Pass
			1	24	21.86	-5.08	14.63	38.5	Pass
			1	49	21.47	-5.08	14.24	38.5	Pass
			25	0	20.67	-5.08	13.44	38.5	Pass
			25	12	20.75	-5.08	13.52	38.5	Pass
			25	25	20.55	-5.08	13.32	38.5	Pass
			50	0	20.62	-5.08	13.39	38.5	Pass
	20525	836.5	1	0	**21.94**	-5.08	**14.71**	38.5	Pass
			1	24	21.71	-5.08	14.48	38.5	Pass
			1	49	21.64	-5.08	14.41	38.5	Pass
64QAM			25	0	20.53	-5.08	13.30	38.5	Pass
			25	12	20.71	-5.08	13.48	38.5	Pass
			25	25	20.74	-5.08	13.51	38.5	Pass
			50	0	20.69	-5.08	13.46	38.5	Pass
	20600	844	1	0	21.87	-5.08	14.64	38.5	Pass
			1	24	21.89	-5.08	14.66	38.5	Pass
			1	49	21.50	-5.08	14.27	38.5	Pass
			25	0	20.75	-5.08	13.52	38.5	Pass
			25	12	20.83	-5.08	13.60	38.5	Pass
			25	25	20.67	-5.08	13.44	38.5	Pass
			50	0	20.65	-5.08	13.42	38.5	Pass

LTE Band 38 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
	37775	2572.5	1	0	22.28	1.72	24.00	33	Pass
			1	12	22.43	1.72	24.15	33	Pass
			1	24	22.22	1.72	23.94	33	Pass
			12	0	21.39	1.72	23.11	33	Pass
			12	6	21.53	1.72	23.25	33	Pass
QPSK			12	13	21.46	1.72	23.18	33	Pass
			25	0	21.47	1.72	23.19	33	Pass
	38000	2595	1	0	22.46	1.72	24.18	33	Pass
			1	12	**22.63**	1.72	**24.35**	33	Pass
			1	24	22.49	1.72	24.21	33	Pass

			12	0	21.74	1.72	23.46	33	Pass
			12	6	21.77	1.72	23.49	33	Pass
			12	13	21.65	1.72	23.37	33	Pass
			25	0	21.69	1.72	23.41	33	Pass
	38225	2617.5	1	0	22.32	1.72	24.04	33	Pass
			1	12	22.44	1.72	24.16	33	Pass
			1	24	22.31	1.72	24.03	33	Pass
			12	0	21.36	1.72	23.08	33	Pass
			12	6	21.50	1.72	23.22	33	Pass
			12	13	21.40	1.72	23.12	33	Pass
			25	0	21.43	1.72	23.15	33	Pass
	37775	2572.5	1	0	21.42	1.72	23.14	33	Pass
			1	12	21.54	1.72	23.26	33	Pass
			1	24	21.42	1.72	23.14	33	Pass
			12	0	20.47	1.72	22.19	33	Pass
			12	6	20.56	1.72	22.28	33	Pass
			12	13	20.48	1.72	22.20	33	Pass
			25	0	20.60	1.72	22.32	33	Pass
	38000	2595	1	0	21.62	1.72	23.34	33	Pass
			1	12	**21.73**	1.72	**23.45**	33	Pass
			1	24	21.57	1.72	23.29	33	Pass
16QAM			12	0	20.78	1.72	22.50	33	Pass
			12	6	20.76	1.72	22.48	33	Pass
			12	13	20.65	1.72	22.37	33	Pass
			25	0	20.80	1.72	22.52	33	Pass
	38225	2617.5	1	0	21.40	1.72	23.12	33	Pass
			1	12	21.50	1.72	23.22	33	Pass
			1	24	21.37	1.72	23.09	33	Pass
			12	0	20.45	1.72	22.17	33	Pass
			12	6	20.49	1.72	22.21	33	Pass
			12	13	20.39	1.72	22.11	33	Pass
			25	0	20.54	1.72	22.26	33	Pass
	37775	2572.5	1	0	21.76	1.72	23.48	33	Pass
			1	12	21.93	1.72	23.65	33	Pass
			1	24	21.84	1.72	23.56	33	Pass
			12	0	20.77	1.72	22.49	33	Pass
64QAM			12	6	20.90	1.72	22.62	33	Pass
			12	13	20.86	1.72	22.58	33	Pass
			25	0	20.94	1.72	22.66	33	Pass
	38000	2595	1	0	22.09	1.72	23.81	33	Pass
			1	12	**22.23**	1.72	**23.95**	33	Pass

			1	24	22.02	1.72	23.74	33	Pass
			12	0	21.15	1.72	22.87	33	Pass
			12	6	21.17	1.72	22.89	33	Pass
			12	13	21.03	1.72	22.75	33	Pass
			25	0	21.22	1.72	22.94	33	Pass
	38225	2617.5	1	0	21.75	1.72	23.47	33	Pass
			1	12	21.82	1.72	23.54	33	Pass
			1	24	21.73	1.72	23.45	33	Pass
			12	0	20.74	1.72	22.46	33	Pass
			12	6	20.86	1.72	22.58	33	Pass
			12	13	20.75	1.72	22.47	33	Pass
			25	0	20.88	1.72	22.60	33	Pass

LTE Band 38 ,Channel Bandwidth: 10 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	37800	2575	1	0	22.54	1.72	24.26	33	Pass
			1	24	**22.77**	1.72	**24.49**	33	Pass
			1	49	22.40	1.72	24.12	33	Pass
			25	0	21.51	1.72	23.23	33	Pass
			25	12	21.56	1.72	23.28	33	Pass
			25	25	21.40	1.72	23.12	33	Pass
			50	0	21.31	1.72	23.03	33	Pass
	38000	2595	1	0	22.29	1.72	24.01	33	Pass
			1	24	22.42	1.72	24.14	33	Pass
			1	49	22.07	1.72	23.79	33	Pass
			25	0	21.42	1.72	23.14	33	Pass
			25	12	21.48	1.72	23.20	33	Pass
			25	25	21.34	1.72	23.06	33	Pass
			50	0	21.45	1.72	23.17	33	Pass
	38200	2615	1	0	22.14	1.72	23.86	33	Pass
			1	24	22.27	1.72	23.99	33	Pass
			1	49	22.18	1.72	23.90	33	Pass
			25	0	21.27	1.72	22.99	33	Pass
			25	12	21.38	1.72	23.10	33	Pass
			25	25	21.22	1.72	22.94	33	Pass
			50	0	21.29	1.72	23.01	33	Pass
16QAM	37800	2575	1	0	21.67	1.72	23.39	33	Pass
			1	24	**21.85**	1.72	**23.57**	33	Pass
			1	49	21.59	1.72	23.31	33	Pass

			25	0	20.57	1.72	22.29	33	Pass
			25	12	20.70	1.72	22.42	33	Pass
			25	25	20.51	1.72	22.23	33	Pass
			50	0	20.46	1.72	22.18	33	Pass
	38000	2595	1	0	21.38	1.72	23.10	33	Pass
			1	24	21.57	1.72	23.29	33	Pass
			1	49	21.17	1.72	22.89	33	Pass
			25	0	20.54	1.72	22.26	33	Pass
			25	12	20.63	1.72	22.35	33	Pass
			25	25	20.50	1.72	22.22	33	Pass
			50	0	20.58	1.72	22.30	33	Pass
	38200	2615	1	0	21.18	1.72	22.90	33	Pass
			1	24	21.32	1.72	23.04	33	Pass
			1	49	21.19	1.72	22.91	33	Pass
			25	0	20.37	1.72	22.09	33	Pass
			25	12	20.53	1.72	22.25	33	Pass
			25	25	20.45	1.72	22.17	33	Pass
			50	0	20.43	1.72	22.15	33	Pass
64QAM	37800	2575	1	0	21.78	1.72	23.50	33	Pass
			1	24	22.20	1.72	23.92	33	Pass
			1	49	21.98	1.72	23.70	33	Pass
			25	0	20.95	1.72	22.67	33	Pass
			25	12	21.14	1.72	22.86	33	Pass
			25	25	21.08	1.72	22.80	33	Pass
			50	0	21.06	1.72	22.78	33	Pass
	38000	2595	1	0	22.10	1.72	23.82	33	Pass
			1	24	**22.38**	1.72	**24.10**	33	Pass
			1	49	21.96	1.72	23.68	33	Pass
			25	0	21.34	1.72	23.06	33	Pass
			25	12	21.42	1.72	23.14	33	Pass
			25	25	21.19	1.72	22.91	33	Pass
			50	0	21.34	1.72	23.06	33	Pass
	38200	2615	1	0	21.84	1.72	23.56	33	Pass
			1	24	21.97	1.72	23.69	33	Pass
			1	49	21.79	1.72	23.51	33	Pass
			25	0	20.99	1.72	22.71	33	Pass
			25	12	21.09	1.72	22.81	33	Pass
			25	25	20.88	1.72	22.60	33	Pass
			50	0	21.01	1.72	22.73	33	Pass

LTE Band 38 ,Channel Bandwidth: 15 MHz								
Modulation	Channel		RB Configuration		Antenna	EIRP	EIRP	Verdict

		Frequency (MHz)			Conducted Average Power [dBm]	Gain [dBi]	[dBm]	Limit [dBm]	
			Size	Offset					
QPSK	37825	2577.5	1	0	22.30	1.72	24.02	33	Pass
			1	37	22.34	1.72	24.06	33	Pass
			1	74	22.39	1.72	24.11	33	Pass
			37	0	22.42	1.72	24.14	33	Pass
			37	18	22.49	1.72	24.21	33	Pass
			37	38	22.46	1.72	24.18	33	Pass
			75	0	21.57	1.72	23.29	33	Pass
	38000	2595	1	0	22.48	1.72	24.20	33	Pass
			1	37	22.68	1.72	24.40	33	Pass
			1	74	22.42	1.72	24.14	33	Pass
			37	0	22.58	1.72	24.30	33	Pass
			37	18	22.69	1.72	24.41	33	Pass
			37	38	**22.85**	1.72	**24.57**	33	Pass
			75	0	21.82	1.72	23.54	33	Pass
	38175	2612.5	1	0	22.46	1.72	24.18	33	Pass
			1	37	22.51	1.72	24.23	33	Pass
			1	74	22.50	1.72	24.22	33	Pass
			37	0	22.57	1.72	24.29	33	Pass
			37	18	22.50	1.72	24.22	33	Pass
			37	38	22.66	1.72	24.38	33	Pass
			75	0	21.56	1.72	23.28	33	Pass
16QAM	37825	2577.5	1	0	21.42	1.72	23.14	33	Pass
			1	37	21.67	1.72	23.39	33	Pass
			1	74	21.63	1.72	23.35	33	Pass
			37	0	21.50	1.72	23.22	33	Pass
			37	18	21.56	1.72	23.28	33	Pass
			37	38	21.72	1.72	23.44	33	Pass
			75	0	20.69	1.72	22.41	33	Pass
	38000	2595	1	0	21.81	1.72	23.53	33	Pass
			1	37	21.82	1.72	23.54	33	Pass
			1	74	21.54	1.72	23.26	33	Pass
			37	0	21.82	1.72	23.54	33	Pass
			37	18	21.85	1.72	23.57	33	Pass
			37	38	**21.95**	1.72	**23.67**	33	Pass
			75	0	20.91	1.72	22.63	33	Pass
	38175	2612.5	1	0	21.62	1.72	23.34	33	Pass
			1	37	21.61	1.72	23.33	33	Pass
			1	74	21.50	1.72	23.22	33	Pass
			37	0	21.61	1.72	23.33	33	Pass

			37	18	21.65	1.72	23.37	33	Pass
			37	38	21.68	1.72	23.40	33	Pass
			75	0	20.74	1.72	22.46	33	Pass
64QAM	37825	2577.5	1	0	21.84	1.72	23.56	33	Pass
			1	37	22.10	1.72	23.82	33	Pass
			1	74	22.06	1.72	23.78	33	Pass
			37	0	22.01	1.72	23.73	33	Pass
			37	18	22.08	1.72	23.80	33	Pass
			37	38	22.21	1.72	23.93	33	Pass
			75	0	21.18	1.72	22.90	33	Pass
	38000	2595	1	0	22.22	1.72	23.94	33	Pass
			1	37	22.32	1.72	24.04	33	Pass
			1	74	21.96	1.72	23.68	33	Pass
			37	0	22.22	1.72	23.94	33	Pass
			37	18	22.29	1.72	24.01	33	Pass
			37	38	**22.36**	1.72	**24.08**	33	Pass
			75	0	21.38	1.72	23.10	33	Pass
	38175	2612.5	1	0	22.00	1.72	23.72	33	Pass
			1	37	22.05	1.72	23.77	33	Pass
			1	74	21.81	1.72	23.53	33	Pass
			37	0	22.00	1.72	23.72	33	Pass
			37	18	21.96	1.72	23.68	33	Pass
			37	38	22.03	1.72	23.75	33	Pass
			75	0	21.08	1.72	22.80	33	Pass

LTE Band 38 ,Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	37850	2580	1	0	21.98	1.72	23.70	33	Pass
			1	49	22.43	1.72	24.15	33	Pass
			1	99	22.32	1.72	24.04	33	Pass
			50	0	21.41	1.72	23.13	33	Pass
			50	25	21.61	1.72	23.33	33	Pass
			50	50	21.56	1.72	23.28	33	Pass
			100	0	21.47	1.72	23.19	33	Pass
	38000	2595	1	0	22.36	1.72	24.08	33	Pass
			1	49	**22.62**	1.72	**24.34**	33	Pass
			1	99	22.29	1.72	24.01	33	Pass
			50	0	21.63	1.72	23.35	33	Pass
			50	25	21.78	1.72	23.50	33	Pass

			50	50	21.47	1.72	23.19	33	Pass
			100	0	21.66	1.72	23.38	33	Pass
	38150	2610	1	0	22.37	1.72	24.09	33	Pass
			1	49	22.53	1.72	24.25	33	Pass
			1	99	22.35	1.72	24.07	33	Pass
			50	0	21.48	1.72	23.20	33	Pass
			50	25	21.60	1.72	23.32	33	Pass
			50	50	21.40	1.72	23.12	33	Pass
			100	0	21.48	1.72	23.20	33	Pass
16QAM	37850	2580	1	0	21.32	1.72	23.04	33	Pass
			1	49	21.64	1.72	23.36	33	Pass
			1	99	21.50	1.72	23.22	33	Pass
			50	0	20.52	1.72	22.24	33	Pass
			50	25	20.71	1.72	22.43	33	Pass
			50	50	20.70	1.72	22.42	33	Pass
			100	0	20.67	1.72	22.39	33	Pass
	38000	2595	1	0	21.49	1.72	23.21	33	Pass
			1	49	**21.82**	1.72	**23.54**	33	Pass
			1	99	21.36	1.72	23.08	33	Pass
			50	0	20.78	1.72	22.50	33	Pass
			50	25	20.92	1.72	22.64	33	Pass
			50	50	20.61	1.72	22.33	33	Pass
			100	0	20.82	1.72	22.54	33	Pass
	38150	2610	1	0	21.45	1.72	23.17	33	Pass
			1	49	21.61	1.72	23.33	33	Pass
			1	99	21.29	1.72	23.01	33	Pass
			50	0	20.60	1.72	22.32	33	Pass
			50	25	20.68	1.72	22.40	33	Pass
			50	50	20.55	1.72	22.27	33	Pass
			100	0	20.58	1.72	22.30	33	Pass
64QAM	37850	2580	1	0	21.62	1.72	23.34	33	Pass
			1	49	22.00	1.72	23.72	33	Pass
			1	99	21.95	1.72	23.67	33	Pass
			50	0	20.91	1.72	22.63	33	Pass
			50	25	21.11	1.72	22.83	33	Pass
			50	50	21.08	1.72	22.80	33	Pass
			100	0	21.07	1.72	22.79	33	Pass
	38000	2595	1	0	22.01	1.72	23.73	33	Pass
			1	49	**22.22**	1.72	**23.94**	33	Pass
			1	99	21.74	1.72	23.46	33	Pass
			50	0	21.18	1.72	22.90	33	Pass

			50	25	21.34	1.72	23.06	33	Pass
			50	50	21.05	1.72	22.77	33	Pass
			100	0	21.27	1.72	22.99	33	Pass
	38150	2610	1	0	21.94	1.72	23.66	33	Pass
			1	49	21.96	1.72	23.68	33	Pass
			1	99	21.66	1.72	23.38	33	Pass
			50	0	21.02	1.72	22.74	33	Pass
			50	25	21.13	1.72	22.85	33	Pass
			50	50	20.93	1.72	22.65	33	Pass
			100	0	21.03	1.72	22.75	33	Pass

LTE Band 41 ,Channel Bandwidth: 5 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	39675	2498.5	1	0	22.46	1.69	24.15	33	Pass
			1	12	22.36	1.69	24.05	33	Pass
			1	24	22.25	1.69	23.94	33	Pass
			12	0	21.45	1.69	23.14	33	Pass
			12	6	21.47	1.69	23.16	33	Pass
			12	13	21.52	1.69	23.21	33	Pass
			25	0	21.60	1.69	23.29	33	Pass
	40620	2593	1	0	23.24	1.69	24.93	33	Pass
			1	12	**23.40**	1.69	**25.09**	33	Pass
			1	24	23.38	1.69	25.07	33	Pass
			12	0	22.61	1.69	24.30	33	Pass
			12	6	22.70	1.69	24.39	33	Pass
			12	13	22.60	1.69	24.29	33	Pass
			25	0	22.62	1.69	24.31	33	Pass
	41565	2687.5	1	0	23.24	1.69	24.93	33	Pass
			1	12	23.19	1.69	24.88	33	Pass
			1	24	23.05	1.69	24.74	33	Pass
			12	0	22.29	1.69	23.98	33	Pass
			12	6	22.27	1.69	23.96	33	Pass
			12	13	22.20	1.69	23.89	33	Pass
			25	0	22.23	1.69	23.92	33	Pass
16QAM	39675	2498.5	1	0	21.56	1.69	23.25	33	Pass
			1	12	21.48	1.69	23.17	33	Pass
			1	24	21.39	1.69	23.08	33	Pass
			12	0	20.35	1.69	22.04	33	Pass
			12	6	20.45	1.69	22.14	33	Pass

			12	13	20.58	1.69	22.27	33	Pass
			25	0	20.78	1.69	22.47	33	Pass
			1	0	22.57	1.69	24.26	33	Pass
			1	12	**22.62**	1.69	**24.31**	33	Pass
			1	24	22.47	1.69	24.16	33	Pass
	40620	2593	12	0	21.63	1.69	23.32	33	Pass
			12	6	21.66	1.69	23.35	33	Pass
			12	13	21.57	1.69	23.26	33	Pass
			25	0	21.72	1.69	23.41	33	Pass
			1	0	22.37	1.69	24.06	33	Pass
			1	12	22.27	1.69	23.96	33	Pass
			1	24	22.10	1.69	23.79	33	Pass
	41565	2687.5	12	0	21.17	1.69	22.86	33	Pass
			12	6	21.14	1.69	22.83	33	Pass
			12	13	21.04	1.69	22.73	33	Pass
			25	0	21.21	1.69	22.90	33	Pass
			1	0	22.53	1.69	24.22	33	Pass
			1	12	22.54	1.69	24.23	33	Pass
			1	24	22.46	1.69	24.15	33	Pass
	39675	2498.5	12	0	21.34	1.69	23.03	33	Pass
			12	6	21.47	1.69	23.16	33	Pass
			12	13	21.37	1.69	23.06	33	Pass
			25	0	21.49	1.69	23.18	33	Pass
			1	0	22.70	1.69	24.39	33	Pass
			1	12	**22.78**	1.69	**24.47**	33	Pass
			1	24	22.60	1.69	24.29	33	Pass
64QAM	40620	2593	12	0	21.66	1.69	23.35	33	Pass
			12	6	21.74	1.69	23.43	33	Pass
			12	13	21.69	1.69	23.38	33	Pass
			25	0	21.75	1.69	23.44	33	Pass
			1	0	22.48	1.69	24.17	33	Pass
			1	12	22.33	1.69	24.02	33	Pass
			1	24	22.22	1.69	23.91	33	Pass
	41565	2687.5	12	0	21.25	1.69	22.94	33	Pass
			12	6	21.19	1.69	22.88	33	Pass
			12	13	21.08	1.69	22.77	33	Pass
			25	0	21.26	1.69	22.95	33	Pass

LTE Band 41 ,Channel Bandwidth: 10 MHz								
Modulation	Channel	Frequency (MHz)	RB Configuration	Conducted Average	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit	Verdict

			Size	Offset	Power [dBm]			[dBm]	
QPSK	39700	2501	1	0	23.22	1.69	24.91	33	Pass
			1	24	23.28	1.69	24.97	33	Pass
			1	49	23.08	1.69	24.77	33	Pass
			25	0	22.30	1.69	23.99	33	Pass
			25	12	22.46	1.69	24.15	33	Pass
			25	25	22.24	1.69	23.93	33	Pass
			50	0	22.33	1.69	24.02	33	Pass
	40620	2593	1	0	23.28	1.69	24.97	33	Pass
			1	24	**23.44**	1.69	**25.13**	33	Pass
			1	49	23.32	1.69	25.01	33	Pass
			25	0	22.55	1.69	24.24	33	Pass
			25	12	22.71	1.69	24.40	33	Pass
			25	25	22.52	1.69	24.21	33	Pass
			50	0	22.58	1.69	24.27	33	Pass
	41540	2685	1	0	23.43	1.69	25.12	33	Pass
			1	24	23.31	1.69	25.00	33	Pass
			1	49	22.96	1.69	24.65	33	Pass
			25	0	22.41	1.69	24.10	33	Pass
			25	12	22.37	1.69	24.06	33	Pass
			25	25	21.49	1.69	23.18	33	Pass
			50	0	22.34	1.69	24.03	33	Pass
16QAM	39700	2501	1	0	22.05	1.69	23.74	33	Pass
			1	24	22.55	1.69	24.24	33	Pass
			1	49	22.00	1.69	23.69	33	Pass
			25	0	21.40	1.69	23.09	33	Pass
			25	12	21.47	1.69	23.16	33	Pass
			25	25	21.35	1.69	23.04	33	Pass
			50	0	21.43	1.69	23.12	33	Pass
	40620	2593	1	0	22.47	1.69	24.16	33	Pass
			1	24	**22.69**	1.69	**24.38**	33	Pass
			1	49	22.41	1.69	24.10	33	Pass
			25	0	21.61	1.69	23.30	33	Pass
			25	12	21.80	1.69	23.49	33	Pass
			25	25	21.68	1.69	23.37	33	Pass
			50	0	21.67	1.69	23.36	33	Pass
	41540	2685	1	0	22.51	1.69	24.20	33	Pass
			1	24	22.38	1.69	24.07	33	Pass
			1	49	22.07	1.69	23.76	33	Pass
			25	0	21.39	1.69	23.08	33	Pass
			25	12	21.38	1.69	23.07	33	Pass

			25	25	21.19	1.69	22.88	33	Pass
			50	0	21.32	1.69	23.01	33	Pass
64QAM	39700	2501	1	0	22.25	1.69	23.94	33	Pass
			1	24	22.72	1.69	24.41	33	Pass
			1	49	22.23	1.69	23.92	33	Pass
			25	0	21.63	1.69	23.32	33	Pass
			25	12	21.69	1.69	23.38	33	Pass
			25	25	21.52	1.69	23.21	33	Pass
			50	0	21.65	1.69	23.34	33	Pass
	40620	2593	1	0	22.65	1.69	24.34	33	Pass
			1	24	**22.88**	1.69	**24.57**	33	Pass
			1	49	22.63	1.69	24.32	33	Pass
			25	0	21.84	1.69	23.53	33	Pass
			25	12	21.90	1.69	23.59	33	Pass
			25	25	21.85	1.69	23.54	33	Pass
			50	0	21.87	1.69	23.56	33	Pass
	41540	2685	1	0	22.65	1.69	24.34	33	Pass
			1	24	22.55	1.69	24.24	33	Pass
			1	49	22.24	1.69	23.93	33	Pass
			25	0	21.50	1.69	23.19	33	Pass
			25	12	21.50	1.69	23.19	33	Pass
			25	25	21.31	1.69	23.00	33	Pass
			50	0	21.43	1.69	23.12	33	Pass

LTE Band 41 ,Channel Bandwidth: 15 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	39725	2503.5	1	0	22.64	1.69	24.33	33	Pass
			1	37	23.32	1.69	25.01	33	Pass
			1	74	23.23	1.69	24.92	33	Pass
			37	0	23.17	1.69	24.86	33	Pass
			37	18	23.31	1.69	25.00	33	Pass
			37	38	23.35	1.69	25.04	33	Pass
			75	0	22.51	1.69	24.20	33	Pass
	40620	2593	1	0	23.32	1.69	25.01	33	Pass
			1	37	23.50	1.69	25.19	33	Pass
			1	74	23.38	1.69	25.07	33	Pass
			37	0	23.28	1.69	24.97	33	Pass
			37	18	23.33	1.69	25.02	33	Pass
			37	38	23.49	1.69	25.18	33	Pass

			75	0	22.66	1.69	24.35	33	Pass
	41515	2682.5	1	0	**23.66**	1.69	**25.35**	33	Pass
			1	37	23.36	1.69	25.05	33	Pass
			1	74	23.04	1.69	24.73	33	Pass
			37	0	23.61	1.69	25.30	33	Pass
			37	18	23.48	1.69	25.17	33	Pass
			37	38	23.41	1.69	25.10	33	Pass
			75	0	22.53	1.69	24.22	33	Pass
16QAM	39725	2503.5	1	0	22.32	1.69	24.01	33	Pass
			1	37	22.52	1.69	24.21	33	Pass
			1	74	22.02	1.69	23.71	33	Pass
			37	0	22.44	1.69	24.13	33	Pass
			37	18	22.50	1.69	24.19	33	Pass
			37	38	22.54	1.69	24.23	33	Pass
			75	0	21.45	1.69	23.14	33	Pass
	40620	2593	1	0	22.60	1.69	24.29	33	Pass
			1	37	22.78	1.69	24.47	33	Pass
			1	74	22.47	1.69	24.16	33	Pass
			37	0	22.60	1.69	24.29	33	Pass
			37	18	22.62	1.69	24.31	33	Pass
			37	38	22.75	1.69	24.44	33	Pass
			75	0	21.79	1.69	23.48	33	Pass
	41515	2682.5	1	0	**22.79**	1.69	**24.48**	33	Pass
			1	37	22.55	1.69	24.24	33	Pass
			1	74	22.20	1.69	23.89	33	Pass
			37	0	22.78	1.69	24.47	33	Pass
			37	18	22.65	1.69	24.34	33	Pass
			37	38	22.59	1.69	24.28	33	Pass
			75	0	21.51	1.69	23.20	33	Pass
64QAM	39725	2503.5	1	0	22.65	1.69	24.34	33	Pass
			1	37	22.73	1.69	24.42	33	Pass
			1	74	22.25	1.69	23.94	33	Pass
			37	0	22.67	1.69	24.36	33	Pass
			37	18	22.67	1.69	24.36	33	Pass
			37	38	22.74	1.69	24.43	33	Pass
			75	0	21.65	1.69	23.34	33	Pass
	40620	2593	1	0	22.79	1.69	24.48	33	Pass
			1	37	22.89	1.69	24.58	33	Pass
			1	74	22.61	1.69	24.30	33	Pass
			37	0	22.75	1.69	24.44	33	Pass
			37	18	22.83	1.69	24.52	33	Pass

			37	38	**22.93**	1.69	**24.62**	33	Pass
			75	0	21.98	1.69	23.67	33	Pass
	41515	2682.5	1	0	22.88	1.69	24.57	33	Pass
			1	37	22.67	1.69	24.36	33	Pass
			1	74	22.33	1.69	24.02	33	Pass
			37	0	22.90	1.69	24.59	33	Pass
			37	18	22.76	1.69	24.45	33	Pass
			37	38	22.71	1.69	24.40	33	Pass
			75	0	21.71	1.69	23.40	33	Pass

LTE Band 41 ,Channel Bandwidth: 20 MHz									
Modulation	Channel	Frequency (MHz)	RB Configuration		Conducted Average Power [dBm]	Antenna Gain [dBi]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
			Size	Offset					
QPSK	39750	2506	1	0	23.51	1.69	25.20	33	Pass
			1	49	24.58	1.69	26.27	33	Pass
			1	99	24.54	1.69	26.23	33	Pass
			50	0	23.66	1.69	25.35	33	Pass
			50	25	23.76	1.69	25.45	33	Pass
			50	50	23.68	1.69	25.37	33	Pass
			100	0	23.61	1.69	25.30	33	Pass
	40620	2593	1	0	24.61	1.69	26.30	33	Pass
			1	49	**25.00**	1.69	**26.69**	33	Pass
			1	99	24.89	1.69	26.58	33	Pass
			50	0	24.03	1.69	25.72	33	Pass
			50	25	24.21	1.69	25.90	33	Pass
			50	50	24.02	1.69	25.71	33	Pass
			100	0	24.10	1.69	25.79	33	Pass
	41490	2680	1	0	24.25	1.69	25.94	33	Pass
			1	49	24.02	1.69	25.71	33	Pass
			1	99	23.70	1.69	25.39	33	Pass
			50	0	23.28	1.69	24.97	33	Pass
			50	25	23.26	1.69	24.95	33	Pass
			50	50	23.03	1.69	24.72	33	Pass
			100	0	23.14	1.69	24.83	33	Pass
16QAM	39750	2506	1	0	22.81	1.69	24.50	33	Pass
			1	49	23.78	1.69	25.47	33	Pass
			1	99	23.45	1.69	25.14	33	Pass
			50	0	22.74	1.69	24.43	33	Pass
			50	25	22.84	1.69	24.53	33	Pass
			50	50	22.77	1.69	24.46	33	Pass

			100	0	22.71	1.69	24.40	33	Pass
	40620	2593	1	0	23.88	1.69	25.57	33	Pass
			1	49	**24.21**	1.69	**25.90**	33	Pass
			1	99	23.88	1.69	25.57	33	Pass
			50	0	23.07	1.69	24.76	33	Pass
			50	25	23.34	1.69	25.03	33	Pass
			50	50	23.21	1.69	24.90	33	Pass
			100	0	23.21	1.69	24.90	33	Pass
	41490	2680	1	0	23.33	1.69	25.02	33	Pass
			1	49	23.26	1.69	24.95	33	Pass
			1	99	22.82	1.69	24.51	33	Pass
			50	0	22.28	1.69	23.97	33	Pass
			50	25	22.29	1.69	23.98	33	Pass
			50	50	22.01	1.69	23.70	33	Pass
			100	0	22.23	1.69	23.92	33	Pass
64QAM	39750	2506	1	0	22.34	1.69	24.03	33	Pass
			1	49	22.68	1.69	24.37	33	Pass
			1	99	22.16	1.69	23.85	33	Pass
			50	0	21.68	1.69	23.37	33	Pass
			50	25	21.71	1.69	23.40	33	Pass
			50	50	21.48	1.69	23.17	33	Pass
			100	0	21.64	1.69	23.33	33	Pass
	40620	2593	1	0	22.69	1.69	24.38	33	Pass
			1	49	22.94	1.69	24.63	33	Pass
			1	99	22.54	1.69	24.23	33	Pass
			50	0	21.88	1.69	23.57	33	Pass
			50	25	22.03	1.69	23.72	33	Pass
			50	50	21.85	1.69	23.54	33	Pass
			100	0	21.93	1.69	23.62	33	Pass
	41490	2680	1	0	**22.95**	1.69	**24.64**	33	Pass
			1	49	22.80	1.69	24.49	33	Pass
			1	99	22.28	1.69	23.97	33	Pass
			50	0	21.84	1.69	23.53	33	Pass
			50	25	21.83	1.69	23.52	33	Pass
			50	50	21.50	1.69	23.19	33	Pass
			100	0	21.72	1.69	23.41	33	Pass

5.2. Peak to Average Radio

5.2.1. Test Standard

FCC: CFR 47 Part 22.913 & 27.50(d)

5.2.2. Test Limit

The peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

5.2.3. Test Procedure

For LTE operating mode: a. The EUT was connected to spectrum and system simulator via a power divider. b. Set the CCDF (Complementary Cumulative Distribution Function) option in spectrum analyzer. c. The highest RF powers were measured and recorded the maximum PAPR level associated with a probability of 0.1%. d. Record the deviation as Peak to Average Ratio.

5.2.4. Test Data

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band5	1.4MHz	QPSK	20407	6RB#0	4.96	13	PASS
Band5	1.4MHz	QPSK	20525	6RB#0	5.58	13	PASS
Band5	1.4MHz	QPSK	20643	6RB#0	5.38	13	PASS
Band5	1.4MHz	16QAM	20407	6RB#0	5.80	13	PASS
Band5	1.4MHz	16QAM	20525	6RB#0	6.34	13	PASS
Band5	1.4MHz	16QAM	20643	6RB#0	6.20	13	PASS
Band5	1.4MHz	64QAM	20407	6RB#0	5.68	13	PASS
Band5	1.4MHz	64QAM	20525	6RB#0	6.16	13	PASS
Band5	1.4MHz	64QAM	20643	6RB#0	6.12	13	PASS
Band5	3MHz	QPSK	20415	15RB#0	5.14	13	PASS
Band5	3MHz	QPSK	20525	15RB#0	5.54	13	PASS
Band5	3MHz	QPSK	20635	15RB#0	5.48	13	PASS
Band5	3MHz	16QAM	20415	15RB#0	5.84	13	PASS
Band5	3MHz	16QAM	20525	15RB#0	6.22	13	PASS
Band5	3MHz	16QAM	20635	15RB#0	6.20	13	PASS
Band5	3MHz	64QAM	20415	15RB#0	5.72	13	PASS
Band5	3MHz	64QAM	20525	15RB#0	6.20	13	PASS
Band5	3MHz	64QAM	20635	15RB#0	6.12	13	PASS
Band5	5MHz	QPSK	20425	25RB#0	5.22	13	PASS
Band5	5MHz	QPSK	20525	25RB#0	5.40	13	PASS
Band5	5MHz	QPSK	20625	25RB#0	5.46	13	PASS
Band5	5MHz	16QAM	20425	25RB#0	6.04	13	PASS
Band5	5MHz	16QAM	20525	25RB#0	6.14	13	PASS
Band5	5MHz	16QAM	20625	25RB#0	6.22	13	PASS
Band5	5MHz	64QAM	20425	25RB#0	5.94	13	PASS
Band5	5MHz	64QAM	20525	25RB#0	6.18	13	PASS
Band5	5MHz	64QAM	20625	25RB#0	6.14	13	PASS
Band5	10MHz	QPSK	20450	50RB#0	5.78	13	PASS
Band5	10MHz	QPSK	20525	50RB#0	5.72	13	PASS
Band5	10MHz	QPSK	20600	50RB#0	5.62	13	PASS
Band5	10MHz	16QAM	20450	50RB#0	6.36	13	PASS