



TEST REPORT

Applicant Name : PCD, LLC
Address : 1500 Tradeport Drive, Suite A, Orlando, Florida, United States
32824
Report Number: SZNS1220811-36586E-RF-00D
FCC ID: 2ALJTT85

Test Standard (s)

FCC PART 27; FCC PART 22H; FCC PART 24E

Sample Description

Product Type: TABLET
Model No.: T85
Trade Mark: PCD
Date Received: 2022-08-11
Date of Test: 2022-09-04 to 2022-11-15
Report Date: 2022-11-15

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

Prepared and Checked By:

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EMC Engineer

Approved By:

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Note: This report may contain data that are not covered by the A2LA accreditation and are marked with an asterisk ★.

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GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Product	TABLET	
Tested Model	T85	
Hardware Version	RC-GS717-TC	
Software Version	PCD_T85_US_V1.0	
Frequency Range	WCDMA Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX) WCDMA Band 4: 1710-1755MHz(TX); 2110-2155MHz(RX) WCDMA Band 5: 824-849MHz(TX); 869-894MHz(RX) LTE Band 2: 1850-1910MHz(TX); 1930-1990MHz(RX) LTE Band 4: 1710-1755MHz(TX); 2110-2155MHz(RX) LTE Band 7: 2500-2570MHz(TX); 2620-2690MHz(RX) LTE Band 12: 699-716MHz(TX); 729-746MHz(RX) LTE Band 17: 704-716MHz(TX); 734-746MHz(RX) LTE Band 66: 1710-1780MHz(TX); 2110-2180MHz(RX)) LTE Band 41: 2555-2655MHz(TX/RX)	
Maximum Average Conducted Output Power	WCDMA Band 2: 20.60 dBm WCDMA Band 4: 21.14 dBm WCDMA Band 5: 21.76 dBm LTE Band 2: 20.02 dBm LTE Band 4: 20.21 dBm LTE Band 7: 18.47 dBm LTE Band 12: 20.90 dBm LTE Band 17: 20.97 dBm LTE Band 66: 20.11 dBm LTE Band 41: 17.41 dBm	
Modulation Technique	3G: BPSK, QPSK, 16QAM 4G: QPSK, 16QAM	
Antenna Specification*	Internal FPC Antenna	
	WCDMA Band2: 0.39dBi	LTE Band7: 0.29dBi
	WCDMA Band4: -1.41dBi	LTE Band 12: -0.92dBi
	WCDMA Band5: -4.23dBi	LTE Band 17: -0.92dBi
	LTE Band2: 0.39dBi	LTE Band41: 0.29dBi
	LTE Band4: -1.41dBi	LTE Band66: -1.41dBi
	(provided by the applicant)	
Voltage Range	DC 3.8V from battery or DC 5V from adapter	
Sample number	SZNS1220811-36586E-RF-S1 (RF Radiated Test) SZNS1220811-36586E-RF-S2 (RF Conducted Test) (Assigned by ATC, Shenzhen)	
Sample/EUT Status	Good condition	
Adapter Information	Model: T85 Input: AC 100-240V~50/60Hz, 0.5A Output: DC 5.0V $\pm$ 2000mA	
Normal/Extreme Condition	L.V.: Low Voltage 3.5 V _{DC} N.V.: Normal Voltage 3.8V _{DC} H.V.: High Voltage 4.35V _{DC}	

Objective

This test report is in accordance with Part 2-Subpart J, Part 22-Subpart H, Part 24-Subpart E, and Part 27 of the Federal Communication Commission's rules.

The objective is to determine the compliance of the EUT with FCC rules for output power, modulation characteristic, occupied bandwidth, and spurious emission at antenna terminal, spurious radiated emission, frequency stability and band edge.

Test Methodology

All tests and measurements indicated in this document were performed in accordance with the Code of Federal Regulations Title 47 Part 2-Subpart J as well as the following parts:

Part 22 Subpart H - Public Mobile Services
 Part 24 Subpart E - Personal Communication Services
 Part 27 - Miscellaneous Wireless Communications Services

ANSI C63.26-2015: American National Standard for Compliance Testing of Transmitters Used in Licensed Radio Services

All emissions measurement was performed at Shenzhen Accurate Technology Co., Ltd. The radiated testing was performed at an antenna-to-EUT distance of 3 meters. Each test item follows test standards and with no deviation.

Measurement Uncertainty

Parameter		Uncertainty
Occupied Channel Bandwidth		5%
RF Frequency		0.082×10^{-7}
RF output power, conducted		0.73dB
Unwanted Emission, conducted		1.6dB
AC Power Lines Conducted Emissions		2.72dB
Emissions, Radiated	9kHz - 30MHz	2.66dB
	30MHz - 1GHz	4.28dB
	1GHz - 18GHz	4.98dB
	18GHz - 26.5GHz	5.06dB
	26.5GHz - 40GHz	4.72dB
Temperature		1°C
Humidity		6%
Supply voltages		0.4%

Note: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

Test Facility

The Test site used by Shenzhen Accurate Technology Co., Ltd. to collect test data is located on the 1/F., Building A, Changyuan New Material Port, Science & Industry Park, Nanshan District, Shenzhen, Guangdong, P.R. China.

The test site has been approved by the FCC under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No.: 708358, the FCC Designation No.: CN1189. Accredited by American Association for Laboratory Accreditation (A2LA) The Certificate Number is 429 7.01.

Listed by Innovation, Science and Economic Development Canada (ISED), the Registration Number is 5077A.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The final qualification test was performed with the EUT operating at normal mode.

Test was performed as below table:

Frequency band	Bandwidth (MHz)	Test Frequency(MHz)		
		Low	Middle	High
WCDMA B2	4.2	1852.4	1880.0	1907.6
WCDMA B4	4.2	1712.4	1732.6	1752.6
WCDMA B5	4.2	826.4	836.6	846.6
LTE B2	1.4	1850.7	1880.0	1909.3
	3	1851.5	1880.0	1908.5
	5	1852.5	1880.0	1907.5
	10	1855	1880.0	1905.0
	15	1857.5	1880.0	1902.5
	20	1860.0	1880.0	1900.0
LTE B4	1.4	1710.7	1732.5	1754.3
	3	1711.5	1732.5	1753.5
	5	1712.5	1732.5	1752.5
	10	1715.0	1732.5	1750.0
	15	1717.5	1732.5	1747.5
	20	1720.0	1732.5	1745.0
LTE B7	5	2502.5	2535.0	2567.5
	10	2505.0	2535.0	2565.0
	15	2507.5	2535.0	2562.5
	20	2510.0	2535.0	2560.0
LTE B12	1.4	699.7	707.5	715.3
	3	700.5	707.5	714.5
	5	701.5	707.5	713.5
	10	704.0	707.5	711.0
LTE B17	5	706.5	710.0	713.5
	10	709.0	710.0	711.0

Frequency band	Bandwidth (MHz)	Test Frequency(MHz)		
		Low	Middle	High
LTE B66	1.4	1710.7	1745.0	1779.3
	3	1711.5	1745.0	1778.5
	5	1712.5	1745.0	1777.5
	10	1715.0	1745.0	1775.0
	15	1717.5	1745.0	1772.5
	20	1720.0	1745.0	1770.0
LTE B41	5	2557.5	2605.0	2652.5
	10	2560.0	2605.0	2650.0
	15	2562.5	2605.0	2647.5
	20	2565.0	2605.0	2645.0

Equipment Modifications

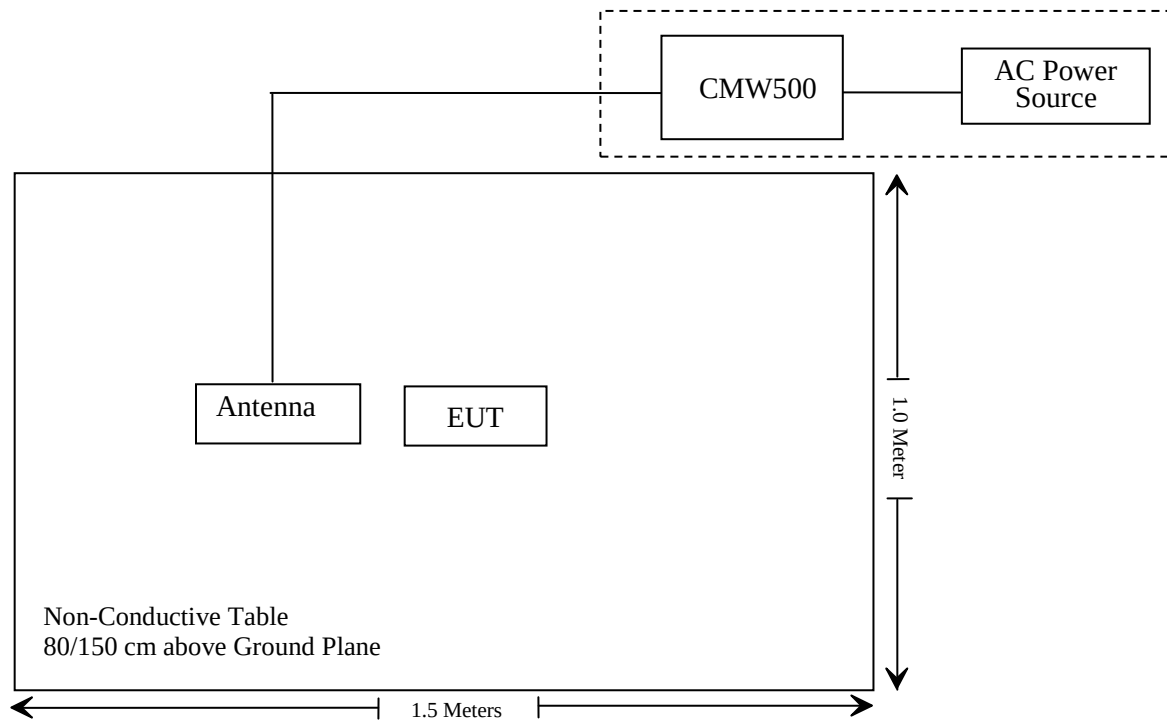
No modification was made to the EUT.

Support Equipment List and Details

Manufacturer	Description	Model	Serial Number
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	154606

Support Cable Description

Cable Description	Length (m)	From / Port	To
Unshielded Un-detachable AC cable	1.2	AC Power	CMW500

Block Diagram of Test Setup

SUMMARY OF TEST RESULTS

FCC Rules	Description of Test	Result
§ 1.1307 ,§2.1093	RF Exposure (SAR)	Compliant
§2.1046; § 22.913 (a)(d); § 24.232 (c)(d); §27.50 (c) (d) (h);	RF Output Power	Compliant
§ 2.1047	Modulation Characteristics	Not Applicable
§ 2.1049; § 22.905; § 22.917; § 24.238; §27.53	Occupied Bandwidth	Compliant
§ 2.1051; §22.917 (a); § 24.238 (a); §27.53;	Spurious Emissions at Antenna Terminal	Compliant
§ 2.1053; § 22.917 (a); § 24.238 (a); §27.53	Field Strength of Spurious Radiation	Compliant
§ 22.917 (a); § 24.238 (a); §27.53 (g) (h) (m)	Band Edge	Compliant
§ 2.1055; § 22.355; § 24.235; §27.54;	Frequency stability	Compliant

TEST EQUIPMENT LIST

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Radiated Emission Test					
Rohde& Schwarz	Test Receiver	ESR	102725	2021/12/13	2022/12/12
Rohde&Schwarz	Spectrum Analyzer	FSV40	101949	2021/12/13	2022/12/12
SONOMA INSTRUMENT	Amplifier	310 N	186131	2021/11/09	2022/11/08
A.H. Systems, inc.	Preamplifier	PAM-0118P	135	2021/11/09	2022/11/08
Quinstar	Amplifier	QLW-18405536-J0	15964001002	2021/11/11	2022/11/10
Schwarzbeck	Bilog Antenna	VULB9163	9163-323	2021/07/06	2024/07/05
Schwarzbeck	Bilog Antenna	VULB9163	9163-194	2020/01/05	2023/01/04
Schwarzbeck	Horn Antenna	BBHA9120D	9120D-1067	2020/01/05	2023/01/04
Schwarzbeck	Horn Antenna	BBHA9120D	9120D-655	2020/01/05	2023/01/04
Unknown	RF Coaxial Cable	No.10	N050	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.11	N1000	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.12	N040	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.13	N300	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.14	N800	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.15	N600	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.16	N650	2021/12/14	2022/12/13
Unknown	Band Reject Filter	MSF1850-1910MS-1148	ATCE-142	2021/12/14	2022/12/13
Unknown	Band Reject Filter	MSF1710-1785MS-1150	ATCE-144	2021/12/14	2022/12/13
Unknown	Band Reject Filter	MSF2495-2570MS-1152	ATCE-146	2021/12/14	2022/12/13
Unknown	Band Reject Filter	MSF700-800MS-1153	ATCE-147	2021/12/14	2022/12/13
PASTERNAK	Horn Antenn	PE9852/2F-20	1120 (ATC-BA-024-1)	2020/01/05	2023/01/04
PASTERNAK	Horn Antenn	PE9852/2F-20	1120 (ATC-BA-025-1)	2020/01/05	2023/01/04
Unknown	RF Coaxial Cable	No.16	N200	2021/12/14	2022/12/13
Agilent	Signal Generator	N5183A	MY51040755	2021/12/13	2022/12/12
Radiated Emission Test Software: e3 19821b (V9)					
RF Conducted Test					
Rohde & Schwarz	Spectrum Analyzer	FSV-40	101948	2021/12/13	2022/12/12
Rohde & Schwarz	Wideband Radio Communication Tester	CMW500	154606	2021/12/13	2022/12/12
HP	6dB Attenuator	8493B 6dB Attenuator	2708A 04769	2021/12/14	2022/12/13
Mini-Circuits	Power Splitter	DC-18000MHz	SF10944151S	2021/12/14	2022/12/13
REALE	Temp. & Humid. Chamber	RHP-800BT	R20170318310	2021/12/14	2022/12/13
UNI-T	DC Power Supply	UTP8305B	10584	NCR	NCR
Fluke	Desktop Multi Meter	45	7664009	2021/12/14	2022/12/13
Unknown	RF Coaxial Cable	No.31	RF-01	Each Time	

*** Statement of Traceability:** Shenzhen Accurate Technology Co., Ltd. attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

FCC §1.1307(b)&§2.1093 - RF EXPOSURE

Applicable Standard

FCC§1.1310 and §2.1093.

Test Result

Compliant, please refer to the SAR report: SZNS1220811-36586E-SA.

FCC§2.1047 - MODULATION CHARACTERISTIC

According to FCC § 2.1047(d), Part 22H, 24E&27 there is no specific requirement for digital modulation, therefore modulation characteristic is not presented.

FCC § 2.1046,§ 22.913 (a)(d)&§ 24.232 (c)(d); §27.50(c)(d)(h)- RF OUTPUT POWER

Applicable Standard

According to FCC §2.1046 and §22.913 (a), the ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

According to FCC §2.1046 and §24.232 (c)(d), mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

According to §27.50(c), Control and mobile stations in the 698-746 MHz band are limited to 30 watts ERP. And Portable stations (hand-held devices) in the 600 MHz uplink band and the 698-746 MHz band, and fixed and mobile stations in the 600 MHz uplink band are limited to 3 watts ERP.

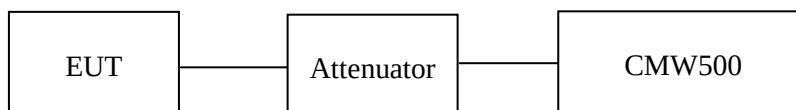
According to §27.50(d), Fixed, mobile, and portable (hand-held) stations operating in the 1710-1755 MHz band and mobile and portable stations operating in the 1695-1710 MHz and 1755-1780 MHz bands are limited to 1 watt EIRP.

According to §27.50(h), the maximum EIRP must not exceed 2Watts (33dBm) for 2496-2690MHz.

Test Procedure

Conducted method:

The RF output of the transmitter was connected to the CMW500 through sufficient attenuation.



Note: the path loss (cable loss and attenuator) has including in result.

ANSI C63.26-2015 Section 5.5.

Test Data

Environmental Conditions

Temperature:	26 °C
Relative Humidity:	56 %
ATM Pressure:	101.0 kPa

The testing was performed by Jesse Chen from 2022-09-08 to 2022-09-28.

Conducted Power**Cellular Band (Part 22H)**

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			ERP(dBm)		
			Low	Mid	High	Low	Mid	High
WCDMA (Band 5)	RMC12.2k		21.72	21.76	21.71	14.84	14.88	14.83
	HSDPA	1	20.48	20.62	20.57	13.60	13.74	13.69
		2	20.38	20.49	20.47	13.50	13.61	13.59
		3	20.25	20.38	20.37	13.37	13.50	13.49
		4	20.25	20.36	20.37	13.37	13.48	13.49
	HSUPA	1	20.66	20.20	20.07	13.78	13.32	13.19
		2	20.53	20.07	20	13.65	13.19	13.12
		3	20.43	20.01	19.88	13.55	13.13	13.00
		4	20.43	19.97	19.87	13.55	13.09	12.99
		5	20.52	20.08	19.96	13.64	13.20	13.08

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd) - Path loss(dB)
 For WCDMA Band5: Antenna Gain = -4.23dBi = -6.38dBd (0dBd=2.15dBi)
 Path loss=0.5dB* (provided by the applicant)
 Limit: ERP≤38.45dBm

PCS Band (Part 24E)

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
WCDMA (Band 2)	RMC12.2k		20.60	20.14	20.23	20.19	19.73	19.82
	HSDPA	1	19.62	19.35	19.17	19.21	18.94	18.76
		2	19.57	19.3	19.08	19.16	18.89	18.67
		3	19.47	19.24	19.02	19.06	18.83	18.61
		4	19.47	19.19	19.01	19.06	18.78	18.60
	HSUPA	1	19.5	19.36	19.33	19.09	18.95	18.92
		2	19.43	19.23	19.26	19.02	18.82	18.85
		3	19.3	19.11	19.14	18.89	18.70	18.73
		4	19.35	19.13	19.2	18.94	18.72	18.79
		5	19.45	19.26	19.27	19.04	18.85	18.86

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi) - Path loss(dB)
 For PCS1900/WCDMA Band2: Antenna Gain = 0.39dBi
 Path loss=0.8dB* (provided by the applicant)
 Limit: EIRP≤33dBm

AWS Band (Part 27)

Mode	Test Mode	3GPP Sub Test	Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
WCDMA (Band 4)	RMC12.2k		21.06	21.13	21.14	18.85	18.92	18.93
	HSDPA	1	20.06	20.1	20.09	17.85	17.89	17.88
		2	19.94	20.04	20.01	17.73	17.83	17.80
		3	19.85	19.97	19.96	17.64	17.76	17.75
		4	19.89	19.99	19.93	17.68	17.78	17.72
	HSUPA	1	19.43	19.69	20.05	17.22	17.48	17.84
		2	19.32	19.59	20.00	17.11	17.38	17.79
		3	19.27	19.47	19.95	17.06	17.26	17.74
		4	19.25	19.53	19.94	17.04	17.32	17.73
		5	19.31	19.61	20.06	17.10	17.40	17.85

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi) - Path loss(dB)

For Band4: Antenna Gain = -1.41dBi

Path loss=0.8dB* (provided by the applicant)

Limit: EIRP ≤ 30dBm

LTE Band 2

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	RB1#0	19.81	19.52	19.37	19.40	19.11	18.96
		RB1#3	20.02	19.73	19.59	19.61	19.32	19.18
		RB1#5	19.84	19.42	19.40	19.43	19.01	18.99
		RB3#0	19.95	19.40	19.42	19.54	18.99	19.01
		RB3#3	19.95	19.45	19.41	19.54	19.04	19.00
		RB6#0	18.85	18.62	18.43	18.44	18.21	18.02
	16QAM	RB1#0	18.82	18.58	18.44	18.41	18.17	18.03
		RB1#3	19.03	18.71	18.61	18.62	18.30	18.20
		RB1#5	18.85	18.58	18.45	18.44	18.17	18.04
		RB3#0	19.00	18.78	18.39	18.59	18.37	17.98
		RB3#3	18.96	18.79	18.39	18.55	18.38	17.98
		RB6#0	17.84	17.63	17.42	17.43	17.22	17.01
3.0	QPSK	RB1#0	19.91	19.11	19.46	19.50	18.70	19.05
		RB1#8	19.78	19.57	19.37	19.37	19.16	18.96
		RB1#14	19.78	19.47	19.36	19.37	19.06	18.95
		RB6#0	18.82	18.56	18.32	18.41	18.15	17.91
		RB6#9	18.81	18.55	18.33	18.40	18.14	17.92
		RB15#0	18.82	18.63	18.37	18.41	18.22	17.96
	16QAM	RB1#0	19.41	18.73	18.41	19.00	18.32	18.00
		RB1#8	19.36	18.67	18.36	18.95	18.26	17.95
		RB1#14	19.31	18.72	18.35	18.90	18.31	17.94
		RB6#0	17.88	17.51	17.27	17.47	17.10	16.86
		RB6#9	17.90	17.58	17.28	17.49	17.17	16.87
		RB15#0	17.85	17.54	17.37	17.44	17.13	16.96

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	19.82	18.91	19.16	19.41	18.50	18.75
		RB1#13	19.85	19.32	19.45	19.44	18.91	19.04
		RB1#24	19.80	19.59	19.34	19.39	19.18	18.93
		RB15#0	18.74	18.55	18.32	18.33	18.14	17.91
		RB15#10	18.80	18.73	18.44	18.39	18.32	18.03
		RB25#0	18.78	18.65	18.37	18.37	18.24	17.96
	16QAM	RB1#0	18.64	18.81	18.37	18.23	18.40	17.96
		RB1#13	18.72	18.88	18.46	18.31	18.47	18.05
		RB1#24	18.67	18.79	18.40	18.26	18.38	17.99
		RB15#0	17.76	17.48	17.32	17.35	17.07	16.91
		RB15#10	17.81	17.69	17.45	17.40	17.28	17.04
		RB25#0	17.75	17.60	17.33	17.34	17.19	16.92
10.0	QPSK	RB1#0	19.91	18.73	18.63	19.50	18.32	18.22
		RB1#25	19.99	19.14	18.81	19.58	18.73	18.40
		RB1#49	19.86	19.61	19.41	19.45	19.20	19.00
		RB25#0	18.85	18.60	18.42	18.44	18.19	18.01
		RB25#25	18.74	18.85	18.61	18.33	18.44	18.20
		RB50#0	18.82	18.77	18.36	18.41	18.36	17.95
	16QAM	RB1#0	19.00	18.36	18.57	18.59	17.95	18.16
		RB1#25	19.02	18.77	18.61	18.61	18.36	18.20
		RB1#49	18.94	18.57	18.47	18.53	18.16	18.06
		RB25#0	17.84	17.67	17.06	17.43	17.26	16.65
		RB25#25	17.71	17.91	17.31	17.30	17.50	16.90
		RB50#0	17.77	17.76	17.33	17.36	17.35	16.92

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15.0	QPSK	RB1#0	19.80	18.30	19.49	19.39	17.89	19.08
		RB1#38	19.83	19.06	18.29	19.42	18.65	17.88
		RB1#74	19.10	19.51	19.00	18.69	19.10	18.59
		RB36#0	18.91	18.49	18.10	18.50	18.08	17.69
		RB36#39	18.67	18.82	18.14	18.26	18.41	17.73
		RB75#0	18.83	18.79	18.07	18.42	18.38	17.66
	16QAM	RB1#0	19.31	18.28	18.21	18.90	17.87	17.80
		RB1#38	19.40	18.77	18.24	18.99	18.36	17.83
		RB1#74	19.18	18.57	18.05	18.77	18.16	17.64
		RB36#0	17.88	17.63	17.07	17.47	17.22	16.66
		RB36#39	17.66	17.83	17.07	17.25	17.42	16.66
		RB75#0	17.78	17.68	17.01	17.37	17.27	16.60
20.0	QPSK	RB1#0	19.51	17.99	18.81	19.10	17.58	18.40
		RB1#50	19.88	18.88	18.57	19.47	18.47	18.16
		RB1#99	18.25	19.31	18.62	17.84	18.90	18.21
		RB50#0	18.96	18.17	18.41	18.55	17.76	18.00
		RB50#50	18.41	18.65	18.12	18.00	18.24	17.71
		RB100#0	18.81	18.31	18.31	18.40	17.90	17.90
	16QAM	RB1#0	19.04	18.12	17.88	18.63	17.71	17.47
		RB1#50	19.41	18.54	18.25	19.00	18.13	17.84
		RB1#99	18.66	18.00	17.76	18.25	17.59	17.35
		RB50#0	17.96	16.95	17.37	17.55	16.54	16.96
		RB50#50	17.41	17.34	17.00	17.00	16.93	16.59
		RB100#0	17.79	17.26	17.22	17.38	16.85	16.81

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi) - Path loss(dB)

For Band2: Antenna Gain = 0.39dBi

Path loss=0.8dB*(provided by the applicant)

Limit: EIRP≤33dBm

LTE Band 4

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	RB1#0	19.17	19.66	19.82	16.96	17.45	17.61
		RB1#3	19.38	20.09	19.79	17.17	17.88	17.58
		RB1#5	19.09	19.69	19.60	16.88	17.48	17.39
		RB3#0	19.15	19.83	19.53	16.94	17.62	17.32
		RB3#3	19.19	19.83	19.41	16.98	17.62	17.20
		RB6#0	18.70	18.88	18.88	16.49	16.67	16.67
	16QAM	RB1#0	18.55	18.78	18.35	16.34	16.57	16.14
		RB1#3	18.75	19.01	18.46	16.54	16.80	16.25
		RB1#5	18.60	18.77	18.38	16.39	16.56	16.17
		RB3#0	18.40	18.96	18.56	16.19	16.75	16.35
		RB3#3	18.57	18.97	18.54	16.36	16.76	16.33
		RB6#0	17.82	17.80	17.87	15.61	15.59	15.66
3.0	QPSK	RB1#0	19.46	19.95	19.95	17.25	17.74	17.74
		RB1#8	19.77	19.90	19.88	17.56	17.69	17.67
		RB1#14	19.48	19.89	19.79	17.27	17.68	17.58
		RB6#0	18.84	18.90	18.83	16.63	16.69	16.62
		RB6#9	18.89	18.87	18.89	16.68	16.66	16.68
		RB15#0	18.91	18.92	18.89	16.70	16.71	16.68
	16QAM	RB1#0	18.98	19.47	18.82	16.77	17.26	16.61
		RB1#8	18.91	19.42	18.82	16.70	17.21	16.61
		RB1#14	18.86	19.45	18.60	16.65	17.24	16.39
		RB6#0	17.85	18.07	17.91	15.64	15.86	15.70
		RB6#9	17.88	17.98	17.92	15.67	15.77	15.71
		RB15#0	18.02	18.03	17.85	15.81	15.82	15.64

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	19.49	19.90	19.90	17.28	17.69	17.69
		RB1#13	19.69	19.96	19.98	17.48	17.75	17.77
		RB1#24	19.93	19.92	19.86	17.72	17.71	17.65
		RB15#0	18.94	18.94	18.92	16.73	16.73	16.71
		RB15#10	18.98	18.94	18.94	16.77	16.73	16.73
		RB25#0	18.95	18.88	18.97	16.74	16.67	16.76
	16QAM	RB1#0	18.95	18.75	19.14	16.74	16.54	16.93
		RB1#13	18.97	18.86	19.19	16.76	16.65	16.98
		RB1#24	18.89	18.75	19.12	16.68	16.54	16.91
		RB15#0	18.01	18.03	17.94	15.80	15.82	15.73
		RB15#10	18.03	18.00	17.88	15.82	15.79	15.67
		RB25#0	18.01	17.99	17.96	15.80	15.78	15.75
10.0	QPSK	RB1#0	19.68	19.84	19.81	17.47	17.63	17.60
		RB1#25	20.00	20.10	19.77	17.79	17.89	17.56
		RB1#49	19.99	19.92	19.91	17.78	17.71	17.70
		RB25#0	18.91	18.98	18.95	16.70	16.77	16.74
		RB25#25	18.97	18.90	19.00	16.76	16.69	16.79
		RB50#0	18.92	18.94	18.97	16.71	16.73	16.76
	16QAM	RB1#0	18.92	19.45	19.04	16.71	17.24	16.83
		RB1#25	19.12	19.60	19.15	16.91	17.39	16.94
		RB1#49	18.92	19.48	19.04	16.71	17.27	16.83
		RB25#0	18.07	18.11	18.03	15.86	15.90	15.82
		RB25#25	18.14	18.01	17.99	15.93	15.80	15.78
		RB50#0	18.06	17.99	17.98	15.85	15.78	15.77

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15.0	QPSK	RB1#0	19.82	19.92	19.88	17.61	17.71	17.67
		RB1#38	20.03	19.97	19.66	17.82	17.76	17.45
		RB1#74	19.88	19.81	19.87	17.67	17.60	17.66
		RB36#0	18.93	19.02	18.99	16.72	16.81	16.78
		RB36#39	19.01	18.95	18.97	16.80	16.74	16.76
		RB75#0	19.03	18.97	19.00	16.82	16.76	16.79
	16QAM	RB1#0	19.27	19.44	18.99	17.06	17.23	16.78
		RB1#38	19.29	19.52	19.07	17.08	17.31	16.86
		RB1#74	19.25	19.41	18.96	17.04	17.20	16.75
		RB36#0	18.00	18.10	18.10	15.79	15.89	15.89
		RB36#39	18.05	17.99	18.06	15.84	15.78	15.85
		RB75#0	18.01	17.98	18.11	15.80	15.77	15.90
20.0	QPSK	RB1#0	19.75	19.76	19.80	17.54	17.55	17.59
		RB1#50	20.21	20.12	19.59	18.00	17.91	17.38
		RB1#99	19.81	19.78	19.69	17.60	17.57	17.48
		RB50#0	18.98	19.07	19.11	16.77	16.86	16.90
		RB50#50	18.98	18.85	18.94	16.77	16.64	16.73
		RB100#0	18.94	18.92	19.05	16.73	16.71	16.84
	16QAM	RB1#0	19.21	18.98	18.95	17.00	16.77	16.74
		RB1#50	19.60	19.41	19.37	17.39	17.20	17.16
		RB1#99	19.26	19.01	18.65	17.05	16.80	16.44
		RB50#0	17.96	18.07	18.19	15.75	15.86	15.98
		RB50#50	18.06	17.91	18.00	15.85	15.70	15.79
		RB100#0	18.02	18.04	18.09	15.81	15.83	15.88

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi) - Path loss(dB)

For Band4: Antenna Gain = -1.41dBi

Path loss=0.8dB*(provided by the applicant)

Limit: EIRP ≤ 30dBm

LTE Band 7

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	17.48	17.84	17.98	16.97	17.33	17.47
		RB1#13	17.09	18.30	17.37	16.58	17.79	16.86
		RB1#24	18.21	17.84	18.43	17.70	17.33	17.92
		RB15#0	17.06	17.88	17.74	16.55	17.37	17.23
		RB15#10	18.19	17.96	17.02	17.68	17.45	16.51
		RB25#0	17.46	17.53	17.47	16.95	17.02	16.96
	16QAM	RB1#0	18.43	18.08	18.45	17.92	17.57	17.94
		RB1#13	18.10	17.25	17.03	17.59	16.74	16.52
		RB1#24	17.21	17.28	18.10	16.70	16.77	17.59
		RB15#0	17.81	17.89	17.36	17.30	17.38	16.85
		RB15#10	17.20	17.78	18.45	16.69	17.27	17.94
		RB25#0	18.35	18.39	17.35	17.84	17.88	16.84
10.0	QPSK	RB1#0	18.18	17.39	18.28	17.67	16.88	17.77
		RB1#25	17.85	17.61	17.25	17.34	17.10	16.74
		RB1#49	17.03	17.58	17.54	16.52	17.07	17.03
		RB25#0	17.28	17.68	18.18	16.77	17.17	17.67
		RB25#25	18.15	17.56	17.98	17.64	17.05	17.47
		RB50#0	17.50	18.19	17.21	16.99	17.68	16.70
	16QAM	RB1#0	17.49	17.36	18.06	16.98	16.85	17.55
		RB1#25	17.01	17.23	18.24	16.50	16.72	17.73
		RB1#49	17.70	17.67	18.04	17.19	17.16	17.53
		RB25#0	17.96	17.58	17.89	17.45	17.07	17.38
		RB25#25	18.29	18.07	18.36	17.78	17.56	17.85
		RB50#0	17.11	17.38	17.14	16.60	16.87	16.63

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15.0	QPSK	RB1#0	18.46	17.86	18.14	17.95	17.35	17.63
		RB1#38	17.84	17.75	18.41	17.33	17.24	17.90
		RB1#74	18.36	17.44	18.35	17.85	16.93	17.84
		RB36#0	17.41	17.75	17.93	16.90	17.24	17.42
		RB36#39	18.12	18.47	17.68	17.61	17.96	17.17
		RB75#0	17.49	17.50	17.65	16.98	16.99	17.14
	16QAM	RB1#0	17.81	17.16	17.66	17.30	16.65	17.15
		RB1#38	18.25	18.02	18.08	17.74	17.51	17.57
		RB1#74	17.85	17.39	17.84	17.34	16.88	17.33
		RB36#0	17.37	18.41	18.01	16.86	17.90	17.50
		RB36#39	18.03	17.98	17.37	17.52	17.47	16.86
		RB75#0	17.95	17.04	18.37	17.44	16.53	17.86
20.0	QPSK	RB1#0	17.21	17.05	17.01	16.70	16.54	16.50
		RB1#50	18.20	17.32	17.08	17.69	16.81	16.57
		RB1#99	17.18	18.13	18.07	16.67	17.62	17.56
		RB50#0	17.79	17.88	17.63	17.28	17.37	17.12
		RB50#50	18.02	17.90	18.16	17.51	17.39	17.65
		RB100#0	17.63	18.07	17.72	17.12	17.56	17.21
	16QAM	RB1#0	18.44	17.41	18.47	17.93	16.90	17.96
		RB1#50	18.18	17.42	17.25	17.67	16.91	16.74
		RB1#99	17.93	18.12	17.32	17.42	17.61	16.81
		RB50#0	17.82	17.37	17.99	17.31	16.86	17.48
		RB50#50	17.67	17.17	17.23	17.16	16.66	16.72
		RB100#0	17.04	18.11	17.16	16.53	17.60	16.65

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi) - Path loss(dB)

For Band7: Antenna Gain = 0.29dBi

Path loss=0.8dB*(provided by the applicant)

Limit: EIRP≤33dBm

LTE Band 12

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP(dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	RB1#0	20.69	20.68	20.52	17.12	17.11	16.95
		RB1#3	20.89	20.81	20.73	17.32	17.24	17.16
		RB1#5	20.64	20.65	20.60	17.07	17.08	17.03
		RB3#0	20.86	20.81	20.67	17.29	17.24	17.10
		RB3#3	20.87	20.75	20.70	17.30	17.18	17.13
		RB6#0	19.57	19.79	19.64	16.00	16.22	16.07
	16QAM	RB1#0	19.65	19.77	19.71	16.08	16.20	16.14
		RB1#3	19.84	19.95	19.94	16.27	16.38	16.37
		RB1#5	19.69	19.78	19.80	16.12	16.21	16.23
		RB3#0	19.92	20.13	19.77	16.35	16.56	16.20
		RB3#3	19.97	20.13	19.81	16.40	16.56	16.24
		RB6#0	18.65	18.87	18.73	15.08	15.30	15.16
3.0	QPSK	RB1#0	20.61	20.76	20.62	17.04	17.19	17.05
		RB1#8	20.57	20.72	20.64	17.00	17.15	17.07
		RB1#14	20.54	20.64	20.69	16.97	17.07	17.12
		RB6#0	19.64	19.77	19.72	16.07	16.20	16.15
		RB6#9	19.64	19.78	19.69	16.07	16.21	16.12
		RB15#0	19.75	19.83	19.73	16.18	16.26	16.16
	16QAM	RB1#0	19.84	20.50	19.89	16.27	16.93	16.32
		RB1#8	19.81	20.42	19.84	16.24	16.85	16.27
		RB1#14	19.77	20.46	19.92	16.20	16.89	16.35
		RB6#0	18.69	18.85	18.74	15.12	15.28	15.17
		RB6#9	18.63	18.85	18.76	15.06	15.28	15.19
		RB15#0	18.81	18.95	18.68	15.24	15.38	15.11

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	20.75	20.73	20.62	17.18	17.16	17.05
		RB1#13	20.76	20.84	20.69	17.19	17.27	17.12
		RB1#24	20.68	20.73	20.62	17.11	17.16	17.05
		RB15#0	19.95	19.85	19.75	16.38	16.28	16.18
		RB15#10	19.67	19.93	19.64	16.10	16.36	16.07
		RB25#0	19.81	19.89	19.70	16.24	16.32	16.13
	16QAM	RB1#0	19.80	19.66	20.05	16.23	16.09	16.48
		RB1#13	19.85	19.81	20.06	16.28	16.24	16.49
		RB1#24	19.87	19.65	19.98	16.30	16.08	16.41
		RB15#0	19.01	18.93	18.72	15.44	15.36	15.15
		RB15#10	18.76	19.01	18.66	15.19	15.44	15.09
		RB25#0	18.89	18.99	18.71	15.32	15.42	15.14
10.0	QPSK	RB1#0	20.76	20.65	20.77	17.19	17.08	17.20
		RB1#25	20.90	20.84	20.83	17.33	17.27	17.26
		RB1#49	20.76	20.65	20.67	17.19	17.08	17.10
		RB25#0	20.14	20.02	19.71	16.57	16.45	16.14
		RB25#25	19.92	20.12	19.79	16.35	16.55	16.22
		RB50#0	20.10	20.05	19.79	16.53	16.48	16.22
	16QAM	RB1#0	19.81	20.40	20.06	16.24	16.83	16.49
		RB1#25	19.94	20.64	20.16	16.37	17.07	16.59
		RB1#49	19.89	20.44	19.89	16.32	16.87	16.32
		RB25#0	19.25	19.08	18.78	15.68	15.51	15.21
		RB25#25	19.05	19.21	18.86	15.48	15.64	15.29
		RB50#0	19.12	19.09	18.86	15.55	15.52	15.29

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd) - Path loss(dB)
 For Band12: Antenna Gain = -0.92dBi = -3.07dBd (0dBd=2.15dBi)
 Path loss=0.5dB* (provided by the applicant)
 Limit: ERP≤34.77dBm

LTE Band 17

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			ERP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	20.76	20.73	20.71	17.19	17.16	17.14
		RB1#13	20.93	20.82	20.75	17.36	17.25	17.18
		RB1#24	20.74	20.66	20.62	17.17	17.09	17.05
		RB15#0	19.93	19.83	19.80	16.36	16.26	16.23
		RB15#10	20.01	20.01	19.76	16.44	16.44	16.19
		RB25#0	20.00	19.91	19.71	16.43	16.34	16.14
	16QAM	RB1#0	20.12	19.89	19.74	16.55	16.32	16.17
		RB1#13	20.32	20.00	19.82	16.75	16.43	16.25
		RB1#24	20.17	19.85	19.67	16.60	16.28	16.10
		RB15#0	18.94	18.88	18.91	15.37	15.31	15.34
		RB15#10	18.99	19.07	18.79	15.42	15.50	15.22
		RB25#0	19.02	18.94	18.85	15.45	15.37	15.28
10.0	QPSK	RB1#0	20.74	20.77	20.84	17.17	17.20	17.27
		RB1#25	20.97	20.90	20.90	17.40	17.33	17.33
		RB1#49	20.72	20.68	20.71	17.15	17.11	17.14
		RB25#0	19.92	19.85	19.76	16.35	16.28	16.19
		RB25#25	20.11	19.98	19.82	16.54	16.41	16.25
		RB50#0	20.06	19.98	19.86	16.49	16.41	16.29
	16QAM	RB1#0	19.88	20.56	20.07	16.31	16.99	16.50
		RB1#25	20.02	20.64	20.18	16.45	17.07	16.61
		RB1#49	19.81	20.36	19.98	16.24	16.79	16.41
		RB25#0	19.05	18.96	18.86	15.48	15.39	15.29
		RB25#25	19.22	19.07	18.90	15.65	15.50	15.33
		RB50#0	19.08	18.99	18.89	15.51	15.42	15.32

Note: ERP(dBm) = Conducted Power(dBm) + Antenna Gain(dBd) - Path loss(dB)
 For Band17: Antenna Gain = -0.92dBi = -3.07dBd (0dBd=2.15dBi)
 Path loss=0.5dB* (provided by the applicant)
 Limit: ERP≤34.77dBm

LTE Band 41:

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	16.93	16.83	16.96	16.42	16.32	16.45
		RB1#13	17.01	16.93	17.06	16.50	16.42	16.55
		RB1#24	16.90	16.87	17.00	16.39	16.36	16.49
		RB15#0	15.93	15.86	16.00	15.42	15.35	15.49
		RB15#10	15.90	15.82	15.98	15.39	15.31	15.47
		RB25#0	15.93	15.84	15.98	15.42	15.33	15.47
	16QAM	RB1#0	16.13	15.78	15.83	15.62	15.27	15.32
		RB1#13	16.21	15.88	16.11	15.70	15.37	15.60
		RB1#24	16.08	15.75	15.99	15.57	15.24	15.48
		RB15#0	15.91	15.85	15.98	15.40	15.34	15.47
		RB15#10	15.90	15.82	15.99	15.39	15.31	15.48
		RB25#0	14.94	14.89	15.04	14.43	14.38	14.53
10.0	QPSK	RB1#0	17.18	16.89	17.00	16.67	16.38	16.49
		RB1#25	17.41	17.21	17.29	16.90	16.70	16.78
		RB1#49	17.05	16.96	17.08	16.54	16.45	16.57
		RB25#0	15.99	15.84	15.95	15.48	15.33	15.44
		RB25#25	16.05	15.87	15.95	15.54	15.36	15.44
		RB50#0	16.00	15.82	15.94	15.49	15.31	15.43
	16QAM	RB1#0	16.07	15.91	16.05	15.56	15.40	15.54
		RB1#25	16.26	16.26	16.47	15.75	15.75	15.96
		RB1#49	15.95	15.98	16.25	15.44	15.47	15.74
		RB25#0	15.99	15.83	15.97	15.48	15.32	15.46
		RB25#25	16.06	15.85	15.95	15.55	15.34	15.44
		RB50#0	15.04	14.85	14.94	14.53	14.34	14.43

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15.0	QPSK	RB1#0	17.07	16.95	16.92	16.56	16.44	16.41
		RB1#38	17.16	16.93	17.07	16.65	16.42	16.56
		RB1#74	16.99	16.98	16.97	16.48	16.47	16.46
		RB36#0	16.01	15.83	15.96	15.50	15.32	15.45
		RB36#39	16.03	15.83	15.97	15.52	15.32	15.46
		RB75#0	16.03	15.84	16.00	15.52	15.33	15.49
	16QAM	RB1#0	15.98	16.01	16.06	15.47	15.50	15.55
		RB1#38	16.03	16.05	16.25	15.52	15.54	15.74
		RB1#74	15.90	16.16	16.34	15.39	15.65	15.83
		RB36#0	15.03	14.93	15.01	14.52	14.42	14.50
		RB36#39	15.06	14.97	15.01	14.55	14.46	14.50
		RB75#0	15.05	14.88	14.98	14.54	14.37	14.47
20.0	QPSK	RB1#0	16.73	16.80	16.71	16.22	16.29	16.20
		RB1#50	17.20	17.32	17.25	16.69	16.81	16.74
		RB1#99	16.69	16.87	16.90	16.18	16.36	16.39
		RB50#0	15.87	15.89	15.91	15.36	15.38	15.40
		RB50#50	15.95	15.94	15.94	15.44	15.43	15.43
		RB100#0	15.91	15.90	15.92	15.40	15.39	15.41
	16QAM	RB1#0	15.71	15.92	15.73	15.20	15.41	15.22
		RB1#50	16.14	16.47	16.29	15.63	15.96	15.78
		RB1#99	15.62	15.99	15.90	15.11	15.48	15.39
		RB50#0	14.95	14.94	14.91	14.44	14.43	14.40
		RB50#50	15.03	14.98	14.96	14.52	14.47	14.45
		RB100#0	14.94	14.95	14.91	14.43	14.44	14.40

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi) - Path loss(dB)

For Band 41: Antenna Gain = 0.29dBi

Path loss=0.8dB*(provided by the applicant)

Limit: EIRP≤33dBm

LTE Band 66:

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
1.4	QPSK	RB1#0	19.24	19.53	19.30	17.03	17.32	17.09
		RB1#3	19.62	19.78	19.51	17.41	17.57	17.30
		RB1#5	19.29	19.43	19.19	17.08	17.22	16.98
		RB3#0	19.37	19.62	19.32	17.16	17.41	17.11
		RB3#3	19.45	19.56	19.28	17.24	17.35	17.07
		RB6#0	19.03	18.98	18.93	16.82	16.77	16.72
	16QAM	RB1#0	18.94	18.92	18.92	16.73	16.71	16.71
		RB1#3	19.10	19.09	18.98	16.89	16.88	16.77
		RB1#5	18.95	18.93	18.78	16.74	16.72	16.57
		RB3#0	19.11	19.17	18.78	16.90	16.96	16.57
		RB3#3	19.13	19.18	18.74	16.92	16.97	16.53
		RB6#0	18.01	18.03	17.93	15.80	15.82	15.72
3.0	QPSK	RB1#0	19.14	19.42	19.17	16.93	17.21	16.96
		RB1#8	19.59	19.58	19.46	17.38	17.37	17.25
		RB1#14	19.38	19.19	19.07	17.17	16.98	16.86
		RB6#0	18.93	18.94	18.66	16.72	16.73	16.45
		RB6#9	18.95	18.92	18.71	16.74	16.71	16.50
		RB15#0	19.01	18.96	18.55	16.80	16.75	16.34
	16QAM	RB1#0	19.04	19.51	18.54	16.83	17.30	16.33
		RB1#8	19.04	19.46	18.49	16.83	17.25	16.28
		RB1#14	18.94	19.45	18.48	16.73	17.24	16.27
		RB6#0	17.93	18.11	17.84	15.72	15.90	15.63
		RB6#9	17.95	18.07	17.77	15.74	15.86	15.56
		RB15#0	18.11	18.08	17.80	15.90	15.87	15.59

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
5.0	QPSK	RB1#0	19.05	19.51	19.18	16.84	17.30	16.97
		RB1#13	19.42	19.36	19.13	17.21	17.15	16.92
		RB1#24	19.71	19.43	19.19	17.50	17.22	16.98
		RB15#0	19.01	19.06	18.50	16.80	16.85	16.29
		RB15#10	19.05	19.00	18.42	16.84	16.79	16.21
		RB25#0	19.02	19.01	18.41	16.81	16.80	16.20
	16QAM	RB1#0	19.00	18.81	18.71	16.79	16.60	16.50
		RB1#13	19.08	18.91	18.72	16.87	16.70	16.51
		RB1#24	18.97	18.77	18.63	16.76	16.56	16.42
		RB15#0	18.06	18.15	17.51	15.85	15.94	15.30
		RB15#10	18.12	18.06	17.63	15.91	15.85	15.42
		RB25#0	18.05	18.17	17.54	15.84	15.96	15.33
10.0	QPSK	RB1#0	19.18	19.75	19.94	16.97	17.54	17.73
		RB1#25	19.60	19.23	19.11	17.39	17.02	16.90
		RB1#49	20.06	19.53	19.18	17.85	17.32	16.97
		RB25#0	19.01	19.09	19.13	16.80	16.88	16.92
		RB25#25	19.05	19.07	18.43	16.84	16.86	16.22
		RB50#0	19.01	19.02	18.69	16.80	16.81	16.48
	16QAM	RB1#0	19.02	19.58	18.77	16.81	17.37	16.56
		RB1#25	19.13	19.68	18.73	16.92	17.47	16.52
		RB1#49	19.04	19.51	18.55	16.83	17.30	16.34
		RB25#0	18.13	18.20	18.11	15.92	15.99	15.90
		RB25#25	18.18	18.14	17.80	15.97	15.93	15.59
		RB50#0	18.10	18.10	18.05	15.89	15.89	15.84

Bandwidth (MHz)	Modulation	RB size/ RB Offset	Conducted Average Output Power (dBm)			EIRP(dBm)		
			Low	Mid	High	Low	Mid	High
15.0	QPSK	RB1#0	19.53	19.96	19.91	17.32	17.75	17.70
		RB1#38	20.11	19.45	19.94	17.90	17.24	17.73
		RB1#74	19.91	19.89	19.42	17.70	17.68	17.21
		RB36#0	19.01	19.07	19.07	16.80	16.86	16.86
		RB36#39	19.07	19.01	18.91	16.86	16.80	16.70
		RB75#0	19.05	19.01	19.08	16.84	16.80	16.87
	16QAM	RB1#0	19.36	19.50	18.99	17.15	17.29	16.78
		RB1#38	19.39	19.56	19.07	17.18	17.35	16.86
		RB1#74	19.41	19.43	18.97	17.20	17.22	16.76
		RB36#0	18.08	18.11	18.06	15.87	15.90	15.85
		RB36#39	18.10	18.06	17.95	15.89	15.85	15.74
		RB75#0	18.03	18.09	18.04	15.82	15.88	15.83
20.0	QPSK	RB1#0	19.40	19.82	19.81	17.19	17.61	17.60
		RB1#50	20.11	19.49	20.07	17.90	17.28	17.86
		RB1#99	19.79	19.75	19.24	17.58	17.54	17.03
		RB50#0	18.95	19.12	19.08	16.74	16.91	16.87
		RB50#50	19.03	18.99	18.76	16.82	16.78	16.55
		RB100#0	19.02	19.06	18.95	16.81	16.85	16.74
	16QAM	RB1#0	19.31	19.08	18.95	17.10	16.87	16.74
		RB1#50	19.65	19.46	19.26	17.44	17.25	17.05
		RB1#99	19.32	19.03	18.90	17.11	16.82	16.69
		RB50#0	18.01	18.15	18.00	15.80	15.94	15.79
		RB50#50	18.09	18.02	17.74	15.88	15.81	15.53
		RB100#0	18.02	18.15	17.89	15.81	15.94	15.68

Note: EIRP(dBm) = Conducted Power(dBm) + Antenna Gain(dBi) - Path loss(dB)

For Band 66: Antenna Gain = -1.41dBi

Path loss=0.8dB*(provided by the applicant)

Limit: EIRP≤30dBm

Peak-to-average ratio (PAR)**Cellular Band**

Mode	Channel	PAR (dB)	Limit (dB)
RMC (BPSK)	Low	3.13	13
	Middle	3.22	13
	High	3.10	13
HSDPA (16QAM)	Low	3.71	13
	Middle	3.22	13
	High	3.42	13
HSUPA (QPSK)	Low	3.16	13
	Middle	3.88	13
	High	3.39	13

PCS Band

Mode	Channel	PAR (dB)	Limit (dB)
RMC (BPSK)	Low	3.10	13
	Middle	3.04	13
	High	3.19	13
HSDPA (16QAM)	Low	3.39	13
	Middle	3.39	13
	High	3.19	13
HSUPA (QPSK)	Low	3.36	13
	Middle	3.16	13
	High	3.45	13

AWS Band

Mode	Channel	PAR (dB)	Limit (dB)
RMC (BPSK)	Low	3.25	13
	Middle	3.22	13
	High	3.07	13
HSDPA (16QAM)	Low	3.16	13
	Middle	3.19	13
	High	3.16	13
HSUPA (QPSK)	Low	3.39	13
	Middle	3.65	13
	High	3.33	13

LTE Band 2 20MHz Bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	5.07	5.51	5.59	13	Pass
QPSK (100RB Size)	4.32	4.23	4.55	13	Pass
16QAM (1RB Size)	5.68	5.86	6.93	13	Pass
16QAM (100RB Size)	5.91	5.77	5.97	13	Pass

LTE Band 4 20MHz Bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	4.87	5.01	5.45	13	Pass
QPSK (100RB Size)	4.14	4.23	4.38	13	Pass
16QAM (1RB Size)	5.83	6.12	6.72	13	Pass
16QAM (100RB Size)	5.86	5.91	5.97	13	Pass

LTE Band 7 20MHz Bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	6.38	6.00	5.80	13	Pass
QPSK (100RB Size)	4.17	4.14	4.20	13	Pass
16QAM (1RB Size)	6.70	6.03	6.06	13	Pass
16QAM (100RB Size)	5.77	5.74	5.83	13	Pass

LTE Band 12 10MHz Bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	5.25	5.65	6.14	13	Pass
QPSK (50RB Size)	5.71	5.74	5.62	13	Pass
16QAM (1RB Size)	5.97	6.2	6.64	13	Pass
16QAM (50RB Size)	6.75	6.75	6.75	13	Pass

LTE Band 17 10MHz Bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	5.62	6.03	6.12	13	Pass
QPSK (50RB Size)	5.77	5.83	5.59	13	Pass
16QAM (1RB Size)	6.32	6.96	7.13	13	Pass
16QAM (50RB Size)	6.75	6.70	6.75	13	Pass

LTE Band 66 20MHz Bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	5.39	5.51	4.93	13	Pass
QPSK (100RB Size)	4.14	4.35	4.17	13	Pass
16QAM (1RB Size)	6.32	6.90	6.06	13	Pass
16QAM (100RB Size)	5.83	6.00	5.86	13	Pass

LTE Band 41 20MHz Bandwidth

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
QPSK (1RB Size)	5.33	5.42	5.38	13	Pass
QPSK (100RB Size)	5.41	5.44	5.53	13	Pass
16QAM (1RB Size)	5.28	5.36	5.21	13	Pass
16QAM (100RB Size)	5.39	5.45	5.06	13	Pass

FCC §2.1049, §22.917, §22.905 & §24.238&§27.53 - OCCUPIED BANDWIDTH

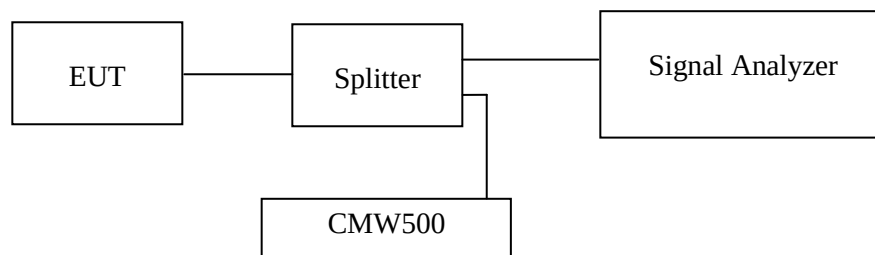
Applicable Standard

FCC 47 §2.1049, §22.917, §22.905, §24.238 and §27.53.

Test Procedure

The RF output of the transmitter was connected to the simulator and the spectrum analyzer through sufficient attenuation.

The resolution bandwidth of the spectrum analyzer was set at 1% to 5% of the anticipated emission bandwidth and the 26 dB & 99% bandwidth was recorded.



Note: the worst path loss (cable loss and splitter inset loss) among the test frequency range has including in test plot.

Test Data

Environmental Conditions

Temperature:	24°C
Relative Humidity:	56-60 %
ATM Pressure:	101.0 kPa

The testing was performed by Jesse Chen from 2022-09-08 to 2022-10-31.

EUT operation mode: Transmitting

Test Result: Pass. Please refer to the following tables and plots.

Cellular Band (Part 22H)

Frequency (MHz)		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
RMC	826.4	4.17	4.76
	836.6	4.20	4.86
	846.6	4.17	4.76
HSDPA	826.4	4.21	4.88
	836.6	4.21	4.86
	846.6	4.17	4.74
HSUPA	826.4	4.21	4.86
	836.6	4.21	5.00
	846.6	4.17	4.74

PCS Band (Part 24E)

Frequency (MHz)		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
RMC	1852.4	4.15	4.74
	1880.0	4.17	4.76
	1907.6	4.15	4.74
HSDPA	1852.4	4.17	4.74
	1880.0	4.17	4.74
	1907.6	4.18	4.74
HSUPA	1852.4	4.17	4.73
	1880.0	4.17	4.76
	1907.6	4.18	4.74

AWS Band (Part 27)

Frequency (MHz)		Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)
RMC	1712.4	4.17	4.74
	1732.6	4.17	4.86
	1752.6	4.17	4.74
HSDPA	1712.4	4.17	4.74
	1732.6	4.18	4.73
	1752.6	4.17	4.76
HSUPA	1712.4	4.18	4.74
	1732.6	4.18	4.74
	1752.6	4.18	4.74

LTE Band 2:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)
1.4 MHz	QPSK	1.102	1.296	1.090	1.302	1.096	1.326
	16QAM	1.096	1.302	1.102	1.326	1.090	1.296
3 MHz	QPSK	2.683	2.880	2.683	2.868	2.683	2.892
	16QAM	2.683	2.868	2.671	2.892	2.683	2.880
5 MHz	QPSK	4.511	5.180	4.531	5.200	4.511	5.180
	16QAM	4.531	5.260	4.531	5.200	4.531	5.180
10 MHz	QPSK	8.942	9.880	8.982	10.120	8.942	9.840
	16QAM	8.982	9.800	8.982	9.760	8.982	9.880
15 MHz	QPSK	13.473	14.880	13.473	14.700	13.533	15.120
	16QAM	13.473	14.700	13.473	14.760	13.533	14.880
20 MHz	QPSK	17.884	19.520	17.964	19.520	18.044	19.440
	16QAM	17.964	19.680	17.964	19.440	18.124	19.920

LTE Band 4:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)
1.4 MHz	QPSK	1.102	1.314	1.102	1.296	1.096	1.296
	16QAM	1.090	1.290	1.096	1.296	1.096	1.326
3 MHz	QPSK	2.683	2.892	2.671	2.868	2.695	2.868
	16QAM	2.683	2.868	2.671	2.892	2.683	2.880
5 MHz	QPSK	4.511	5.180	4.551	5.200	4.511	5.180
	16QAM	4.551	5.220	4.511	5.140	4.551	5.200
10 MHz	QPSK	8.982	9.920	8.942	10.000	8.982	10.120
	16QAM	8.982	9.840	8.942	9.800	8.982	9.880
15 MHz	QPSK	13.473	14.880	13.533	14.880	13.473	14.760
	16QAM	13.533	14.820	13.533	14.880	13.473	14.760
20 MHz	QPSK	17.964	19.680	18.044	19.440	17.964	19.440
	16QAM	17.964	19.600	17.964	19.760	18.044	19.760

LTE Band 7:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)
5 MHz	QPSK	4.551	6.920	4.531	5.220	4.551	5.280
	16QAM	4.511	4.990	4.511	5.010	4.531	5.220
10 MHz	QPSK	8.942	10.000	8.982	10.200	8.982	9.920
	16QAM	8.982	10.000	8.942	9.800	8.982	9.960
15 MHz	QPSK	13.473	14.820	13.593	20.400	13.533	14.880
	16QAM	13.533	14.820	13.653	22.740	13.653	22.380
20 MHz	QPSK	17.964	20.160	17.964	19.760	17.964	19.520
	16QAM	17.964	19.840	17.964	19.760	18.044	23.040

LTE Band 12:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)
1.4 MHz	QPSK	1.102	1.290	1.108	1.386	1.096	1.326
	16QAM	1.096	1.302	1.126	1.434	1.096	1.296
3 MHz	QPSK	2.683	2.880	2.695	2.940	2.695	2.880
	16QAM	2.683	2.880	2.683	3.144	2.683	2.928
5 MHz	QPSK	4.511	5.160	4.551	5.220	4.531	5.160
	16QAM	4.531	5.200	4.531	5.160	4.531	5.240
10 MHz	QPSK	8.982	9.920	9.022	9.960	8.982	9.880
	16QAM	8.982	9.880	9.022	9.960	8.982	9.920

LTE Band 17:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)
5 MHz	QPSK	4.531	5.180	4.531	5.180	4.531	5.160
	16QAM	4.551	5.260	4.551	5.240	4.531	5.140
10 MHz	QPSK	9.022	10.000	9.022	9.960	8.982	9.920
	16QAM	9.022	10.040	8.982	9.960	8.982	9.880

LTE Band 66:

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)
1.4 MHz	QPSK	1.102	1.290	1.096	1.296	1.096	1.320
	16QAM	1.096	1.290	1.096	1.320	1.090	1.290
3 MHz	QPSK	2.695	2.880	2.683	2.892	2.683	2.880
	16QAM	2.683	2.880	2.683	2.868	2.683	2.892
5 MHz	QPSK	4.551	5.220	4.531	5.220	4.511	5.140
	16QAM	4.511	5.140	4.531	5.180	4.551	5.240
10 MHz	QPSK	8.982	9.960	8.942	9.720	8.982	9.880
	16QAM	8.942	9.840	8.982	9.840	8.982	9.920
15 MHz	QPSK	13.533	14.820	13.473	14.880	13.473	14.760
	16QAM	13.533	14.820	13.473	14.700	13.473	16.440
20 MHz	QPSK	18.044	20.080	17.964	19.600	18.044	19.760
	16QAM	18.044	19.760	17.964	19.600	17.964	20.320

LTE Band 41

Bandwidth	Modulation	Low channel		Middle channel		High channel	
		OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)	OBW (MHz)	26dB EBW (MHz)
5 MHz	QPSK	4.511	5.180	4.511	5.240	4.511	5.300
	16QAM	4.531	5.500	4.531	5.580	4.511	5.280
10 MHz	QPSK	8.942	9.920	8.942	9.800	8.942	9.960
	16QAM	8.942	9.720	8.942	10.200	8.942	9.760
15 MHz	QPSK	13.533	16.320	13.473	15.840	13.533	15.420
	16QAM	13.593	14.880	13.533	15.300	13.533	14.880
20 MHz	QPSK	17.964	19.920	17.884	19.600	17.964	19.600
	16QAM	17.964	19.280	17.884	19.600	17.884	19.280

The test plots please refer to the Appendix A.

FCC §2.1051, §22.917(a) & §24.238(a)& §27.53 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS

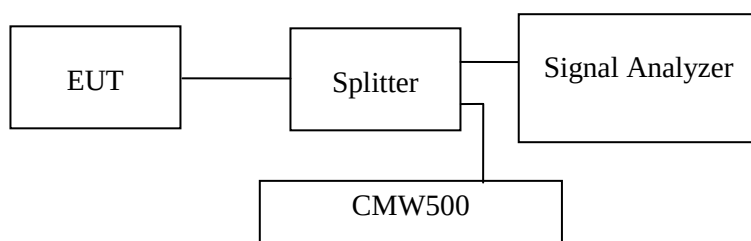
Applicable Standard

FCC §2.1051, §22.917(a) & §24.238(a)&§27.53.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 1MHz. Sufficient scans were taken to show any out of band emissions up to 10th harmonic.



Note: the worst path loss (cable loss and splitter inset loss) among the test frequency range has including in test plot.

Test Data

Environmental Conditions

Temperature:	24°C
Relative Humidity:	56-60 %
ATM Pressure:	101.0 kPa

The testing was performed by Jesse Chen from 2022-09-05 to 2022-11-15.

EUT operation mode: Transmitting

Test result: Pass.

The test plots please refer to the Appendix B.

FCC § 2.1053; § 22.917 (a); § 24.238 (a); § 27.53 - SPURIOUS RADIATED EMISSIONS

Applicable Standard

FCC § 2.1053, §22.917(a) & § 24.238(a) & § 27.53.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the receiving antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Test Data**Environmental Conditions**

Temperature:	25°C
Relative Humidity:	60 %
ATM Pressure:	101.0 kPa

The testing was performed by Level Li from 2022-09-09 to 2022-09-13.

EUT operation mode: Transmitting

(Pre-scan in the X,Y and Z axes of orientation, the worst case Y-axes of orientation was recorded)

The worst case is as below:

Cellular Band (Part 22H)**30MHz-10GHz:**

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	Reading (dBuV)	PK/Ave		Height (m)	Polar (H/V)				
3G BAND5, Low Channel									
45.59	-53.65	PK	296	1.6	H	6.5	-47.15	-13	-34.15
694.72	-50.74	PK	35	1.9	V	9.32	-41.42	-13	-28.42
1652.8	-58.69	PK	332	1.9	H	3.53	-55.16	-13	-42.16
1652.8	-56.48	PK	137	1.8	V	3.1	-53.38	-13	-40.38
3G BAND5, Middle Channel									
45.59	-55.71	PK	166	1	H	6.5	-49.21	-13	-36.21
694.72	-51.43	PK	215	1.2	V	9.32	-42.11	-13	-29.11
1673.2	-57.32	PK	221	2.2	H	3.78	-53.54	-13	-40.54
1673.2	-55.88	PK	132	1.6	V	3.1	-52.78	-13	-39.78
3G BAND5, High Channel									
45.59	-55.28	PK	300	1.2	H	6.5	-48.78	-13	-35.78
694.72	-51.86	PK	194	1.8	V	9.32	-42.54	-13	-29.54
1693.2	-56.79	PK	36	1.2	H	4.02	-52.77	-13	-39.77
1693.2	-55.11	PK	235	2.2	V	3.1	-52.01	-13	-39.01

PCS Band (Part 24E)**30MHz-20GHz:**

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	Reading (dBuV)	PK/Ave		Height (m)	Polar (H/V)				
3G BAND2, Low Channel									
45.59	-53.62	PK	164	1.1	H	6.5	-47.12	-13	-34.12
694.72	-52.46	PK	46	1.4	V	9.32	-43.14	-13	-30.14
3704.8	-61.8	PK	192	1.6	H	4.75	-57.05	-13	-44.05
3704.8	-60.19	PK	292	1.1	V	4.62	-55.57	-13	-42.57
3G BAND2, Middle Channel									
45.59	-53.21	PK	344	1.7	H	6.5	-46.71	-13	-33.71
694.72	-51.45	PK	345	1	V	9.32	-42.13	-13	-29.13
3760	-60.31	PK	126	1.5	H	4.94	-55.37	-13	-42.37
3760	-59.45	PK	275	2.1	V	4.85	-54.6	-13	-41.6
3G BAND2, High Channel									
45.59	-56.04	PK	73	1.5	H	6.5	-49.54	-13	-36.54
694.72	-50.13	PK	223	1.5	V	9.32	-40.81	-13	-27.81
3815.2	-59.74	PK	6	1.6	H	5.22	-54.52	-13	-41.52
3815.2	-57.81	PK	333	1.7	V	5.05	-52.76	-13	-39.76

AWS Band (Part 27)

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	Reading (dBuV)	PK/Ave		Height (m)	Polar (H/V)				
3G BAND4, Low Channel									
45.59	-55.95	PK	179	1.7	H	6.5	-49.45	-13	-36.45
694.72	-51.79	PK	39	1.2	V	9.32	-42.47	-13	-29.47
3424.8	-61.27	PK	332	1.9	H	6.4	-54.87	-13	-41.87
3424.8	-58.91	PK	137	1.8	V	5.75	-53.16	-13	-40.16
3G BAND4, Middle Channel									
45.59	-53.07	PK	9	1.5	H	6.5	-46.57	-13	-33.57
694.72	-50.18	PK	251	1.5	V	9.32	-40.86	-13	-27.86
3464	-60.97	PK	221	2.2	H	6.94	-54.03	-13	-41.03
3464	-59.05	PK	132	1.6	V	6.21	-52.84	-13	-39.84
3G BAND4, High Channel									
45.59	-54.05	PK	237	1.2	H	6.5	-47.55	-13	-34.55
694.72	-51.46	PK	180	1.4	V	9.32	-42.14	-13	-29.14
3502.2	-60.37	PK	36	1.2	H	7.8	-52.57	-13	-39.57
3502.2	-57.95	PK	235	2.2	V	6.52	-51.43	-13	-38.43

LTE Bands: (pre-scan all bandwidth/modulation, the worst case as below)

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	Reading (dBuV)	PK/Ave		Height (m)	Polar (H/V)				
LTE BAND2									
Test frequency range: 30MHz-20GHz									
1.4MHz bandwidth, QPSK, Low Channel									
45.59	-53.65	PK	168	2.2	H	6.5	-47.15	-13	-34.15
694.72	-51.06	PK	269	1.4	V	9.32	-41.74	-13	-28.74
3701.4	-57.35	PK	239	1.6	H	4.72	-52.63	-13	-39.63
3701.4	-55.34	PK	14	2	V	4.61	-50.73	-13	-37.73
1.4MHz bandwidth, QPSK, Middle Channel									
45.59	-53.19	PK	75	1.7	H	6.5	-46.69	-13	-33.69
694.72	-49.77	PK	232	1.8	V	9.32	-40.45	-13	-27.45
3760	-56.35	PK	40	1.2	H	4.94	-51.41	-13	-38.41
3760	-53.94	PK	97	1.1	V	4.85	-49.09	-13	-36.09
1.4MHz bandwidth, QPSK, High Channel									
45.59	-54.77	PK	103	1.5	H	6.5	-48.27	-13	-35.27
694.72	-51.45	PK	142	1.4	V	9.32	-42.13	-13	-29.13
3818.6	-55.7	PK	167	1.7	H	5.25	-50.45	-13	-37.45
3818.6	-53.24	PK	12	1.6	V	5.08	-48.16	-13	-35.16
LTE BAND4									
Test frequency range: 30MHz-20GHz									
1.4MHz bandwidth, QPSK,									
45.59	-55.74	PK	211	1.6	H	6.5	-49.24	-13	-36.24
694.72	-50.17	PK	221	2.2	V	9.32	-40.85	-13	-27.85
3421.4	-55.84	PK	75	1.3	H	2.72	-53.12	-13	-40.12
3421.4	-55.26	PK	52	1.4	V	2.59	-52.67	-13	-39.67
1.4MHz bandwidth, QPSK, Middle Channel									
45.59	-54.25	PK	298	1.6	H	6.5	-47.75	-13	-34.75
694.72	-51.73	PK	121	1.1	V	9.32	-42.41	-13	-29.41
3465	-55.96	PK	263	1.7	H	3.09	-52.87	-13	-39.87
3465	-54.46	PK	217	1.3	V	2.97	-51.49	-13	-38.49
1.4MHz bandwidth, QPSK, High Channel									
45.59	-55.73	PK	214	2.1	H	6.5	-49.23	-13	-36.23
694.72	-51.73	PK	182	2	V	9.32	-42.41	-13	-29.41
3508.6	-54.89	PK	76	1.2	H	3.44	-51.45	-13	-38.45
3508.6	-53.85	PK	270	2.1	V	3.31	-50.54	-13	-37.54

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	Reading (dBuV)	PK/Ave		Height (m)	Polar (H/V)				
LTE BAND7									
Test frequency range: 30MHz-26.5GHz									
5MHz bandwidth, QPSK, Low Channel									
45.59	-53.65	PK	128	1.2	H	6.5	-47.15	-25	-22.15
694.72	-50.78	PK	328	1.1	V	9.32	-41.46	-25	-16.46
5005	-59.35	PK	34	1.1	H	8.82	-50.53	-25	-25.53
5005	-58	PK	46	2	V	8.53	-49.47	-25	-24.47
5MHz bandwidth, QPSK, Middle Channel									
45.59	-55.51	PK	140	1.2	H	6.5	-49.01	-25	-24.01
694.72	-49.77	PK	164	1.4	V	9.32	-40.45	-25	-15.45
5070	-58.59	PK	262	2.2	H	9.18	-49.41	-25	-24.41
5070	-57.34	PK	290	1.2	V	8.56	-48.78	-25	-23.78
5MHz bandwidth, QPSK, High Channel									
45.59	-55.62	PK	140	2.2	H	6.5	-49.12	-25	-24.12
694.72	-51.74	PK	91	1.8	V	9.32	-42.42	-25	-17.42
5135	-58.18	PK	18	2.2	H	9.47	-48.71	-25	-23.71
5135	-56.67	PK	299	1.1	V	8.65	-48.02	-25	-23.02
LTE BAND12									
Test frequency range: 30MHz-10GHz									
1.4MHz bandwidth, QPSK, Low Channel									
45.59	-53.15	PK	128	1.2	H	6.5	-46.65	-13	-33.65
694.72	-49.86	PK	328	1.1	V	9.32	-40.54	-13	-27.54
1399.4	-53.38	PK	34	1.1	H	5.91	-47.47	-13	-34.47
1399.4	-54.34	PK	46	2	V	5.9	-48.44	-13	-35.44
1.4MHz bandwidth, QPSK, Middle Channel									
45.59	-53.07	PK	140	1.2	H	6.5	-46.57	-13	-33.57
694.72	-49.63	PK	164	1.4	V	9.32	-40.31	-13	-27.31
1411	-53.86	PK	262	2.2	H	5.72	-48.14	-13	-35.14
1411	-54.16	PK	290	1.2	V	5.5	-48.66	-13	-35.66
1.4MHz bandwidth, QPSK, High Channel									
45.59	-53.67	PK	140	2.2	H	6.5	-47.17	-13	-34.17
694.72	-51.1	PK	91	1.8	V	9.32	-41.78	-13	-28.78
1430.6	-53.09	PK	18	2.2	H	5.41	-47.68	-13	-34.68
1430.6	-52.43	PK	299	1.1	V	4.8	-47.63	-13	-34.63

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	Reading (dBuV)	PK/Ave		Height (m)	Polar (H/V)				
LTE BAND17									
Test frequency range: 30MHz-10GHz									
5MHz bandwidth, QPSK, Low Channel									
45.59	-54.21	PK	176	2.2	H	6.5	-47.71	-13	-34.71
694.72	-51.08	PK	65	1.8	V	9.32	-41.76	-13	-28.76
1413	-58.93	PK	125	2.2	H	5.69	-53.24	-13	-42.68
1413	-57.69	PK	204	1.2	V	5.43	-52.26	-13	-41.21
5MHz bandwidth, QPSK, Middle Channel									
45.59	-55.74	PK	149	1.6	H	6.5	-49.24	-13	-36.24
694.72	-50.79	PK	124	1.7	V	9.32	-41.47	-13	-28.47
1420	-60.67	PK	293	1.9	H	5.58	-55.09	-13	-42.09
1420	-58.49	PK	36	1.9	V	5.18	-53.31	-13	-40.31
5MHz bandwidth, QPSK, High Channel									
45.59	-53.19	PK	204	1.6	H	6.5	-46.69	-13	-33.69
694.72	-49.81	PK	101	1.7	V	9.32	-40.49	-13	-27.49
1427	-58.71	PK	202	1.6	H	5.47	-53.24	-13	-40.24
1427	-57.19	PK	168	2.1	V	4.93	-52.26	-13	-39.26
LTE BAND41									
Test frequency range: 30MHz-27GHz									
5MHz bandwidth, QPSK, Low Channel									
45.59	-54.64	PK	98	1.7	H	6.5	-48.14	-25	-23.14
694.72	-49.74	PK	62	1.2	V	9.32	-40.42	-25	-15.42
5115	-61.89	PK	331	1.2	H	10.75	-51.14	-25	-26.14
5115	-59.76	PK	67	2	V	10.04	-49.72	-25	-24.72
5MHz bandwidth, QPSK, Middle Channel									
45.59	-55.92	PK	195	1.4	H	6.5	-49.42	-25	-24.42
694.72	-51.79	PK	339	1.3	V	9.32	-42.47	-25	-17.47
5210	-60.38	PK	94	1.6	H	10.61	-49.77	-25	-24.77
5210	-58.48	PK	240	1.7	V	10.05	-48.43	-25	-23.43
5MHz bandwidth, QPSK, High Channel									
45.59	-53.24	PK	16	1.1	H	6.5	-46.74	-25	-21.74
694.72	-51.48	PK	123	1.4	V	9.32	-42.16	-25	-17.16
5305	-57.98	PK	354	1.1	H	9.5	-48.48	-25	-23.48
5305	-56.42	PK	143	1.4	V	8.85	-47.57	-25	-22.57

Frequency (MHz)	Receiver		Turntable Angle Degree	Rx Antenna		Factor (dB/m)	Absolute Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)
	Reading (dBuV)	PK/Ave		Height (m)	Polar (H/V)				
LTE BAND66									
Test frequency range: 30MHz-20GHz									
1.4MHz bandwidth, QPSK, Low Channel									
45.59	-53.77	PK	29	1.4	H	6.5	-47.27	-13	-34.27
694.72	-50.77	PK	311	1.7	V	9.32	-41.45	-13	-28.45
3421.4	-58.02	PK	243	2.1	H	6.37	-51.65	-13	-38.65
3421.4	-56.11	PK	92	1.2	V	5.7	-50.41	-13	-37.41
1.4MHz bandwidth, QPSK, Middle Channel									
45.59	-53.79	PK	288	1.9	H	6.5	-47.29	-13	-34.29
694.72	-50.13	PK	339	1.2	V	9.32	-40.81	-13	-27.81
3490	-58.3	PK	19	1.2	H	7.56	-50.74	-13	-37.74
3490	-56.01	PK	68	1.7	V	6.42	-49.59	-13	-36.59
1.4MHz bandwidth, QPSK, High Channel									
45.59	-55.17	PK	20	1.7	H	6.5	-48.67	-13	-35.67
694.72	-51.23	PK	266	1.6	V	9.32	-41.91	-13	-28.91
3558.6	-57.81	PK	302	1.8	H	7.79	-50.02	-13	-37.02
3558.6	-55.94	PK	269	1.2	V	6.97	-48.97	-13	-35.97

Note:

Absolute Level = Reading Level + Substituted Factor

Substituted Factor contains: SG Level - Cable loss+ Antenna Gain

Margin = Absolute Level - Limit

The other spurious emission which is in the noise floor level was not recorded.

The test result of peak was 20dB below to the limit of peak, which can be compliant to the average limit, so just peak value was recorded.

FCC§ 22.917 (a);§ 24.238 (a); §27.53(g) (h)(m) - BAND EDGES**Applicable Standard**

According to § 22.917(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

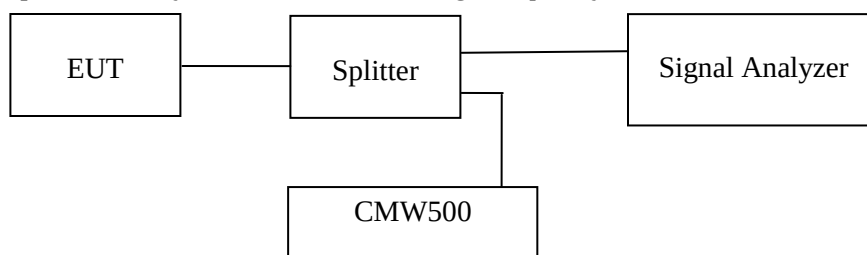
According to §24.238(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to FCC §27.53(g) (h)(m), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency



Note: the worst path loss (cable loss and splitter inset loss) among the test frequency range has including in test plot.

Test Data**Environmental Conditions**

Temperature:	24℃
Relative Humidity:	56-60 %
ATM Pressure:	101.0 kPa

The testing was performed by Jesse Chen from 2022-09-06 to 2022-09-15.

EUT operation mode: Transmitting (Worst case)

Test Result: Pass

Please refer to the following plots.

The test plots please refer to the Appendix C.

FCC § 2.1055; § 22.355; § 24.235; §27.54 - FREQUENCY STABILITY

Applicable Standard

FCC § 2.1055, §22.355, §24.235&§27.54.

According to FCC §2.1055, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency Range (MHz)	Base, fixed (ppm)	Mobile ≤ 3 watts (ppm)	Mobile > 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

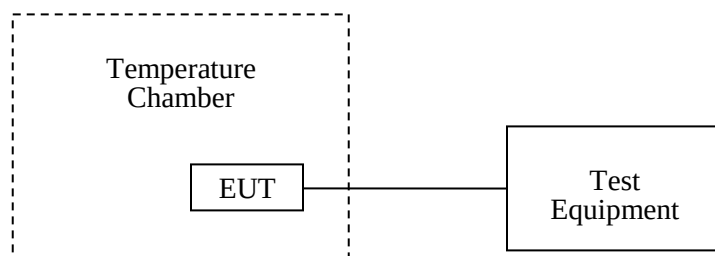
According to §24.235&§27.54, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external AC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The AC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: For hand carried, battery powered equipment; reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.



Test Data**Environmental Conditions**

Temperature:	24℃
Relative Humidity:	56-60 %
ATM Pressure:	101.0 kPa

The testing was performed by Jesse Chen from 2022-09-08 to 2022-09-15.

EUT operation mode: Transmitting

Test Result: Pass

Please refer to the following tables.

Cellular Band (Part 22H)**WCDMA Mode**

Middle Channel, $f_0 = 836.6\text{MHz}$				
Temperature (°C)	Voltage Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	N.V.	-11	-0.0131	2.5
-20		5	0.0060	2.5
-10		4	0.0048	2.5
0		-1	-0.0012	2.5
10		-2	-0.0024	2.5
20		-3	-0.0036	2.5
30		3	0.0036	2.5
40		-2	-0.0024	2.5
50		-4	-0.0048	2.5
20	L.V.	6	0.0072	2.5
	H.V.	-1	-0.0012	2.5

PCS Band (Part 24E)**WCDMA Mode**

Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	1850.0530	1909.9830	1850	1910
-20		1850.0335	1909.9940	1850	1910
-10		1850.0367	1909.9254	1850	1910
0		1850.0309	1909.9632	1850	1910
10		1850.0481	1909.9735	1850	1910
20		1850.0738	1909.9611	1850	1910
30		1850.0440	1909.9775	1850	1910
40		1850.0689	1909.9207	1850	1910
50		1850.0288	1909.9814	1850	1910
20	L.V.	1850.0530	1909.9825	1850	1910
	H.V.	1850.0508	1909.9648	1850	1910

AWS Band (Part 27)

Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	1710.0144	1754.9718	1710	1755
-20		1710.0164	1754.9773	1710	1755
-10		1710.0103	1754.9756	1710	1755
0		1710.0142	1754.9754	1710	1755
10		1710.0124	1754.9728	1710	1755
20		1710.0122	1754.9725	1710	1755
30		1710.0146	1754.9711	1710	1755
40		1710.0160	1754.9757	1710	1755
50		1710.0103	1754.9732	1710	1755
20	L.V.	1710.0139	1754.9710	1710	1755
	H.V.	1710.0171	1754.9719	1710	1755

LTE:
QPSK:
Band 2:

Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	1850.0119	1909.9791	1850	1910
-20		1850.0353	1909.9858	1850	1910
-10		1850.0580	1909.9883	1850	1910
0		1850.0750	1909.9629	1850	1910
10		1850.0725	1909.9663	1850	1910
20		1850.0486	1909.9681	1850	1910
30		1850.0402	1909.9846	1850	1910
40		1850.0463	1909.9450	1850	1910
50		1850.0314	1909.9759	1850	1910
20	L.V.	1850.0178	1909.9555	1850	1910
	H.V.	1850.0475	1909.9786	1850	1910

Band 4:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	1710.1169	1754.8715	1710	1755
-20		1710.1163	1754.8712	1710	1755
-10		1710.1119	1754.8762	1710	1755
0		1710.1119	1754.8754	1710	1755
10		1710.1126	1754.8742	1710	1755
20		1710.1173	1754.8737	1710	1755
30		1710.1108	1754.8733	1710	1755
40		1710.1141	1754.8767	1710	1755
50		1710.1176	1754.8751	1710	1755
20	L.V.	1710.1114	1754.8778	1710	1755
	H.V.	1710.1094	1754.8736	1710	1755

Band 7:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	2500.0586	2569.9695	2500	2570
-20		2500.0556	2569.9621	2500	2570
-10		2500.0559	2569.9679	2500	2570
0		2500.0547	2569.9672	2500	2570
10		2500.0356	2569.9654	2500	2570
20		2500.0404	2569.9635	2500	2570
30		2500.0354	2569.9625	2500	2570
40		2500.0341	2569.9643	2500	2570
50		2500.0356	2569.9632	2500	2570
20	L.V.	2500.0366	2569.9684	2500	2570
	H.V.	2500.0447	2569.9671	2500	2570

Band 12:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	699.0375	715.9630	699	716
-20		699.0369	715.9620	699	716
-10		699.0365	715.9679	699	716
0		699.0318	715.9664	699	716
10		699.0347	715.9647	699	716
20		699.0384	715.9675	699	716
30		699.0378	715.9665	699	716
40		699.0379	715.9693	699	716
50		699.0368	715.9654	699	716
20	L.V.	699.0338	715.9676	699	716
	H.V.	699.0374	715.9640	699	716

Band 17:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	704.1283	715.9861	704	716
-20		704.1263	715.9856	704	716
-10		704.1296	715.9819	704	716
0		704.1317	715.9854	704	716
10		704.1301	715.9847	704	716
20		704.1296	715.9869	704	716
30		704.1288	715.9891	704	716
40		704.1311	715.9864	704	716
50		704.1282	715.9869	704	716
20	L.V.	704.1302	715.9824	704	716
	H.V.	704.1297	715.9834	704	716

Band 66:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	1710.0219	1779.9773	1710	1780
-20		1710.0211	1779.9756	1710	1780
-10		1710.0229	1779.9806	1710	1780
0		1710.0258	1779.9755	1710	1780
10		1710.0239	1779.9762	1710	1780
20		1710.0225	1779.9746	1710	1780
30		1710.0260	1779.9765	1710	1780
40		1710.0257	1779.9757	1710	1780
50		1710.0237	1779.9809	1710	1780
20	L.V.	1710.0271	1779.9706	1710	1780
	H.V.	1710.0222	1779.9771	1710	1780

Band 41:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	2555.0567	2654.9469	2555	2655
-20		2555.0559	2654.9467	2555	2655
-10		2555.0521	2654.9403	2555	2655
0		2555.0538	2654.9425	2555	2655
10		2555.0526	2654.9426	2555	2655
20		2555.0527	2654.9470	2555	2655
30		2555.0510	2654.9460	2555	2655
40		2555.0567	2654.9401	2555	2655
50		2555.0572	2654.9399	2555	2655
20	L.V.	2555.0494	2654.9407	2555	2655
	H.V.	2555.0500	2654.9404	2555	2655

Note: the frequency range of LTE B41 is 2555-2655MHz which was declared by applicant.

16QAM:**Band 2:**

Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	1850.0214	1909.9816	1850	1910
-20		1850.0465	1909.9391	1850	1910
-10		1850.0287	1909.9718	1850	1910
0		1850.0313	1909.9634	1850	1910
10		1850.0286	1909.9505	1850	1910
20		1850.0394	1909.9490	1850	1910
30		1850.0482	1909.9566	1850	1910
40		1850.0497	1909.9700	1850	1910
50		1850.0765	1909.9990	1850	1910
20	L.V.	1850.0637	1909.9915	1850	1910
	H.V.	1850.0466	1909.9611	1850	1910

Band 4:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	1710.2694	1754.7557	1710	1755
-20		1710.2703	1754.7632	1710	1755
-10		1710.2679	1754.7598	1710	1755
0		1710.2653	1754.7569	1710	1755
10		1710.2657	1754.7584	1710	1755
20		1710.2638	1754.7629	1710	1755
30		1710.2650	1754.7606	1710	1755
40		1710.2670	1754.7597	1710	1755
50		1710.2678	1754.7613	1710	1755
20	L.V.	1710.2657	1754.7573	1710	1755
	H.V.	1710.2702	1754.7579	1710	1755

Band 7:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	2500.0526	2569.8591	2500	2570
-20		2500.0496	2569.8516	2500	2570
-10		2500.0509	2569.8575	2500	2570
0		2500.0517	2569.8572	2500	2570
10		2500.0456	2569.8614	2500	2570
20		2500.0494	2569.8615	2500	2570
30		2500.0454	2569.8525	2500	2570
40		2500.0362	2569.8563	2500	2570
50		2500.0386	2569.8592	2500	2570
20	L.V.	2500.0396	2569.8594	2500	2570
	H.V.	2500.0497	2569.8591	2500	2570

Band 12:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	699.0386	715.9696	699	716
-20		699.0356	715.9621	699	716
-10		699.0399	715.9676	699	716
0		699.0347	715.9672	699	716
10		699.0356	715.9650	699	716
20		699.0406	715.9636	699	716
30		699.0354	715.9625	699	716
40		699.0341	715.9643	699	716
50		699.0386	715.9632	699	716
20	L.V.	699.0366	715.9664	699	716
	H.V.	699.0347	715.9671	699	716

Band 17:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	704.1293	715.9852	704	716
-20		704.1233	715.9851	704	716
-10		704.1276	715.9846	704	716
0		704.1217	715.9830	704	716
10		704.1247	715.9852	704	716
20		704.1291	715.9899	704	716
30		704.1258	715.9895	704	716
40		704.1291	715.9851	704	716
50		704.1262	715.9884	704	716
20	L.V.	704.1210	715.9853	704	716
	H.V.	704.1266	715.9850	704	716

Band 66:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	1710.0283	1779.8371	1710	1780
-20		1710.0249	1779.8401	1710	1780
-10		1710.0256	1779.8375	1710	1780
0		1710.0273	1779.8351	1710	1780
10		1710.0246	1779.8365	1710	1780
20		1710.0255	1779.8342	1710	1780
30		1710.0219	1779.8349	1710	1780
40		1710.0255	1779.8363	1710	1780
50		1710.0219	1779.8383	1710	1780
20	L.V.	1710.0274	1779.8364	1710	1780
	H.V.	1710.0250	1779.8335	1710	1780

Band 41:

10 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	N.V.	2555.0592	2654.9363	2555	2655
-20		2555.0589	2654.9358	2555	2655
-10		2555.0594	2654.9383	2555	2655
0		2555.0618	2654.9335	2555	2655
10		2555.0621	2654.9329	2555	2655
20		2555.0627	2654.9363	2555	2655
30		2555.0610	2654.9354	2555	2655
40		2555.0597	2654.9335	2555	2655
50		2555.0582	2654.9402	2555	2655
20	L.V.	2555.0591	2654.9407	2555	2655
	H.V.	2555.0509	2654.9408	2555	2655

Note: the frequency range of LTE B41 is 2555-2655MHz which was declared by applicant.

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