

FCC Test Report

Report No.: 2405V58287EE

Applicant: Whoop International Trading Limited

Address: Flat-B 8/F Chong Gming Building 72 Cheung Sha Wan Road,
Kowloon Hong Kong China

Product Name: 4G smart watch

Product Model: FLEX

Multiple Models: N/A

Trade Mark: SUNTAK

FCC ID: 2AP7LWT003

Standards: FCC CFR Title 47 Part 2, 22H, 24E, 27

Test Date: 2024-07-25 to 2024-08-12

Test Result: Complied

Issue Date: 2024-08-19

Reviewed by:

Abel chen

Approved by:

Jacob Kong

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Revision History

Version No.	Issued Date	Description
00	2024-08-19	Original

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1 General Information

1.1 Client Information

Applicant:	Whoop International Trading Limited
Address:	Flat-B 8/F Chong Gming Building 72 Cheung Sha Wan Road, Kowloon Hong Kong China
Manufacturer:	Shenzhen Teleone Technology Co., Ltd
Address:	Tower B 5/F, Shanshui Building, Nanshan Yungu Innovation Industry Park, 4093 Liuxian Avenue, Shenzhen, China

1.2 Product Description of EUT

The EUT is 4G smart watch that contains Classic Bluetooth, BLE, 2.4G WLAN, GSM/GPRS and LTE radios, this report covers the full testing of the GSM and radios.

Sample Serial number	2OQH-1 for RE test, 2OQH-2for RF conducted test (assigned by WATC)				
Sample Received Date	2024-07-19				
Sample Status	Good Condition				
Frequency Range	Band	TX Frequency (MHz)	RX Frequency (MHz)	Max. Conducted Power (dBm)	Antenna Gain# (dBi)
Maximum Conducted Power	GSM850	824-849	869-894	28.35	-8.83dBi
Antenna Gain	PCS1900	1850-1910	1930-1990	29.66	-1.74dBi
	LTE B2	1850-1910	1930-1990	22.85	-1.74dBi
	LTE B4	1710-1755	2110-2155	22.71	-2.00dBi
	LTE B5	824-849	869-894	20.14	-8.83dBi
	LTE B12	699-716	729-746	20.14	-6.55dBi
	LTE B66	1710-1780	2100-2180	22.83	-2.00dBi
Modulation Technology	GMSK, QPSK, 16QAM				
Power Supply	DC 5V from adapter or DC 3.85V from battery				
Adapter Information	N/A				
Modification	Sample No Modification by the test lab				

Related Submittal(s)/Grant(s)

FCC Part 15, Subpart C, Equipment Class: DSS, FCC ID: 2AP7LWT003
FCC Part 15, Subpart C, Equipment Class: DTS, FCC ID: 2AP7LWT003

1.3 Measurement Uncertainty

Parameter		Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
Emissions, Radiated	Below 30MHz	±2.78dB
	Below 1GHz	±4.84dB
	Above 1GHz	±5.44dB
Emissions, Conducted		1.75dB
Conducted Power		0.74dB
Frequency Error		150Hz
Bandwidth		0.34%
Note 1: 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. Note 2: The Decision Rule is based on simple acceptance with ISO Guide 98-4:2012 Clause 8.2 (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)		

1.4 Laboratory Location

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: ga@watc.com.cn

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

1.5 Test Methodology

FCC CFR Title 47 Part 2, 22H, 24E, 27

ANSI C63.26-2015

FCC KDB 971168 D01 Power Meas License Digital Systems v03r01

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

2 Description of Measurement

2.1 Test Frequency of Low/Middle/High Channels

Band	Bandwidth (MHz)	Low Channel (MHz)	Middle Channel (MHz)	High Channel (MHz)
GSM850	0.2	824.2	836.6	848.8
PCS1900	0.2	1850.2	1880	1909.8
LTE B2	1.4	1850.7	1880	1909.3
	3	1851.5	1880	1908.5
	5	1852.5	1880	1907.5
	10	1855	1880	1905
	15	1857.5	1880	1902.5
	20	1860	1880	1900
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	1732.5	1750
	15	1717.5	1732.5	1747.5
	20	1720	1732.5	1745
LTE B5	1.4	824.7	836.5	848.3
	3	825.5	836.5	847.5
	5	826.5	836.5	846.5
	10	829	836.5	844
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	707.5	711
LTE B66	1.4	1710.7	1745	1779.3
	3	1711.5	1745	1778.5
	5	1712.5	1745	1777.5
	10	1715	1745	1775
	15	1717.5	1745	1772.5
	20	1720	1745	1770

2.2 Test Configuration for LTE bands

Test Items	Band	Bandwidth (MHz)						Modulation		RB#			Test Channel		
		1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full	L	M	H
RF Output Power ERP/EIRP	2	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	4	√	√	√	√	√	√	√	√	√	√	√	√	√	√
	5	√	√	√	√	-	-	√	√	√	√	√	√	√	√
	12	√	√	√	√	-	-	√	√	√	√	√	√	√	√
	66	√	√	√	√	√	√	√	√	√	√	√	√	√	√
Peak-to-Average Ratio	2				√			√	√	√		√	√	√	√
	4				√			√	√	√		√	√	√	√
	5				√	-	-	√	√	√		√	√	√	√
	12				√	-	-	√	√	√		√	√	√	√
	66				√			√	√	√		√	√	√	√
26dB and 99% Bandwidth	2	√	√	√	√	√	√	√	√			√	√	√	√
	4	√	√	√	√	√	√	√	√			√	√	√	√
	5	√	√	√	√	-	-	√	√			√	√	√	√

	12	√	√	√	√	-	-	√	√			√	√	√	√
	66	√	√	√	√	√	√	√	√			√	√	√	√
Band Edge	2	√	√	√	√	√	√	√	√	√		√	√		√
	4	√	√	√	√	√	√	√	√	√		√	√		√
	5	√	√	√	√	-	-	√	√	√		√	√		√
	12	√	√	√	√	-	-	√	√	√		√	√		√
	66	√	√	√	√	√	√	√	√	√		√	√		√
Conducted Spurious Emission	2	√	√	√	√	√	√	√		√			√	√	√
	4	√	√	√	√	√	√	√		√			√	√	√
	5	√	√	√	√	-	-	√		√			√	√	√
	12	√	√	√	√	-	-	√		√			√	√	√
	66	√	√	√	√	√	√	√		√			√	√	√
Frequency Stability	2	√						√	√			√	√		√
	4	√						√	√			√	√		√
	5				√	-	-	√	√			√		√	
	12	√				-	-	√	√			√	√		√
	66	√						√	√			√	√		√
Radiated Spurious Emission	2	√						√		√			√	√	√
	4	√						√		√			√	√	√
	5	√				-	-	√		√			√	√	√
	12	√				-	-	√		√			√	√	√
	66	√						√		√			√	√	√

Note:

1. "√" means the configuration was chosen for testing
2. "-" means the not support the bandwidth

Worst-Case Configuration:

For radiated emissions, EUT was investigated in three orthogonal orientation, the worst-case orientation was recorded in report

For radiated emissions, measurement was investigated from 30MHz to 10 times of fundamental, the worst case bandwidth, RB size and modulation test data was recorded.

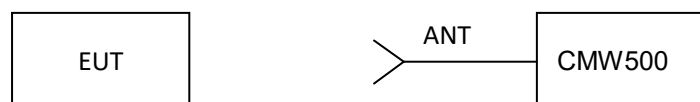
2.3 Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number
ROHDE& SCHWARZ	WIDEBAND RADIO COMMUNICATION TESTER	CMW500	116218

2.4 Interconnecting Cables

Manufacturer	Description	Length(m)	From	To
Unknown	RF Cable	1.0	CMW500	ANT

2.5 Block Diagram of Connection between EUT and AE

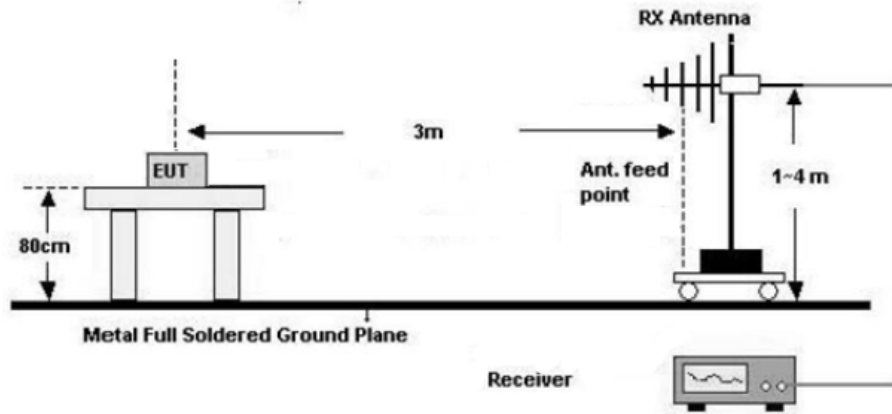


Note: for reference only, the actual connection setup used for testing please refer to the test photos.

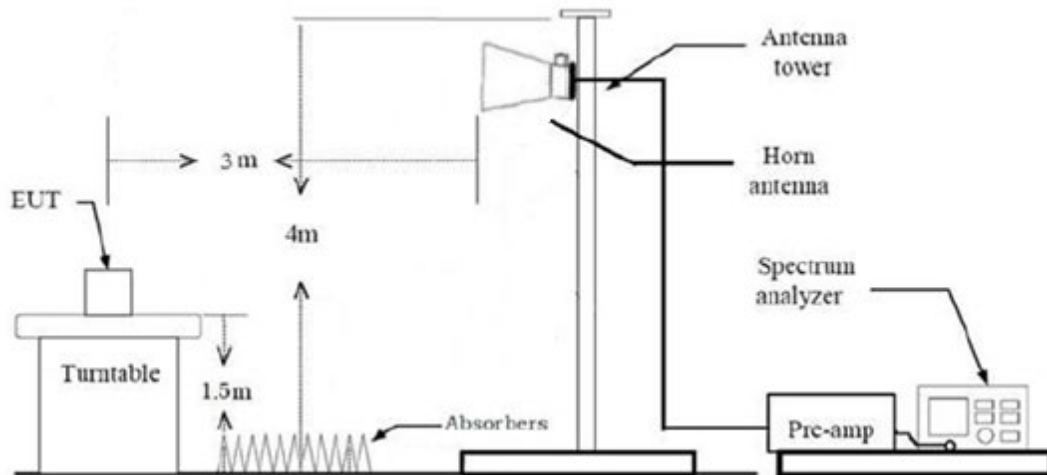
2.6 Test Setup

1) Radiated emission measurement:

30MHz-1GHz (3m SAC)

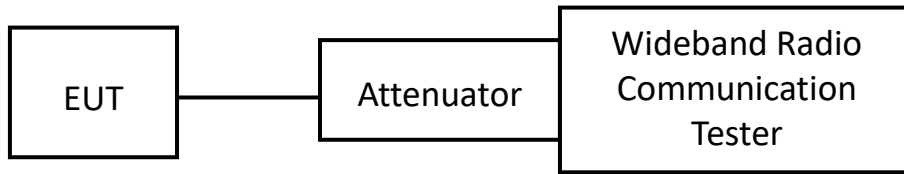


Above 1GHz (3m FAC)

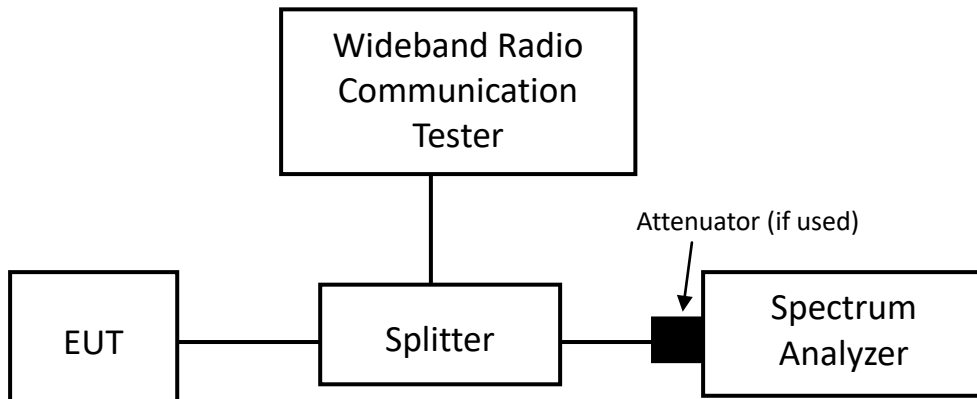


2) RF Conducted Test

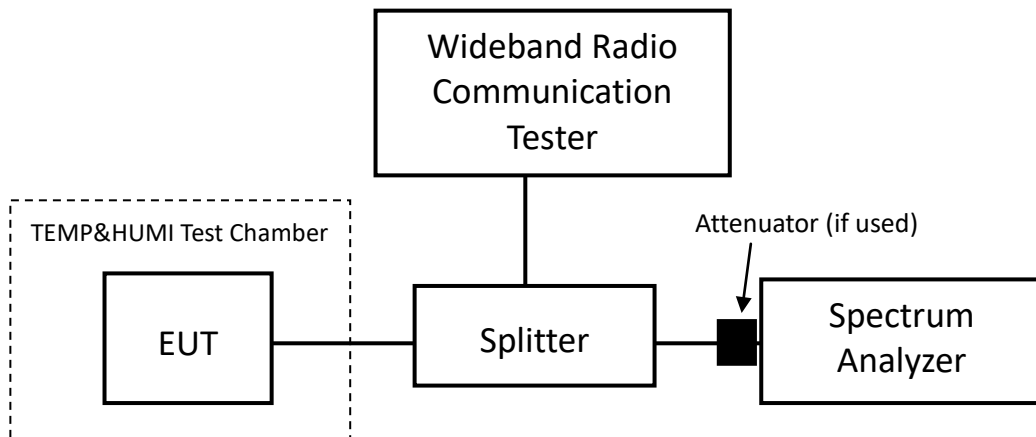
For RF Output Power test



For Bandwidth/Band edge/ PAR/Conducted spurious emissions Test



For Frequency Stability test



2.7 Test Procedure

Radiated Emission Procedure:

a) For 30MHz-1GHz:

1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.
2. EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.

b) For above 1GHz:

1. The EUT was placed on the tabletop of a rotating table 1.5 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m.
2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.
3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.

RF Conducted Test:

1. The antenna port of EUT was connected to the RF port of the test equipment (Wideband Radio Communication Tester or Spectrum analyzer) through Attenuator and RF cable.
2. The cable assembly insertion loss of 8dB (including 7.0 dB Splitter, 1.0 dB cable) was entered as an offset in the power meter. Note: Actual cable loss was unavailable at the time of testing, therefore a loss of 1.0dB was assumed as worst case. This was later verified to be true by laboratory. (if the RF cable provided by client, the cable loss declared by client)
3. The EUT is keeping in continuous transmission mode and tested in all modulation modes.

2.8 Measurement Method

Description of Test	Measurement Method
RF Output Power	ANSI C63.26-2015 section 5.2
ERP/EIRP	ANSI C63.26-2015 section 5.2.5.5
Peak-to-Average Ratio	ANSI C63.26-2015 section 5.2.3.4
26dB and 99% Bandwidth	ANSI C63.26-2015 section 5.4
Band Edge	ANSI C63.26-2015 section 5.7.3
Conducted Spurious Emissions	ANSI C63.26-2015 section 5.7.4
Frequency Stability	ANSI C63.26-2015 section 5.6
Radiated Spurious Emissions	ANSI C63.26-2015 section 5.5.4

2.9 Measurement Equipment

Manufacturer	Description	Model	Management No.	Calibration Date	Calibration Due Date
Radiated Emission Test					
R&S	EMI test receiver	ESR3	102758	2024/6/4	2025/6/3
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSV40-N	101608	2024/6/4	2025/6/3
SONOMA INSTRUMENT	Low frequency amplifier	310	186014	2024/6/4	2025/6/3
COM-POWER	preamplifier	PAM-118A	18040152	2024/6/4	2025/6/3
COM-POWER	Amplifier	PAM-840A	461306	2023/8/8	2024/8/7
SCHWARZBECK	Log - periodic wideband antenna	VULB 9163	9163-872	2023/7/7	2026/7/6
Astro Antenna Ltd	Horn antenna	AHA-118S	3015	2023/7/6	2026/7/5
Ducommun technologies	Horn Antenna	ARH-4223-02	1007726-03	2023/7/10	2026/7/9
N/A	Coaxial Cable	NO.9	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.14	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.15	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.16	N/A	2024/6/4	2025/6/3
N/A	Coaxial Cable	NO.17	N/A	2024/6/4	2025/6/3
Audix	Test Software	E3	191218 V9	/	/
RF Conducted Test					
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSU-26	200680/026	2024/6/4	2025/6/3
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSV40	101419	2024/6/4	2025/6/3
BACL	TEMP&HUMI Test Chamber	BTH-150	30022	2024/7/11	2025/7/10
HP	Power Splitter	11667A	1610A	2024/7/25	2025/7/24
FLUKE	Digital Multimeter	15B+	N/A	2024/6/6	2025/6/5
ROHDE& SCHWARZ	WIDEBAND RADIO COMMUNICATION TESTER	CMW500	116218	2023/9/12	2024/9/11

Note: All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or International standards.

3 Test Results

3.1 Test Summary

FCC Rules	Description of Test	Result
FCC§2.1046; § 22.913; § 24.232; §27.50	RF Output Power	Compliance
FCC§ 2.1047	Modulation Characteristics	Compliance
FCC§ 2.1049; § 22.905; § 22.917; § 24.238; §27.53	26dB and 99% Bandwidth	Compliance
FCC§ 2.1051; § 22.917; § 24.238; §27.53	Conducted Spurious Emissions	Compliance
FCC§ 22.917; § 24.238; §27.53	Out of band emission, Band Edge	Compliance
FCC§ 2.1055; § 22.355; § 24.235; §27.54	Frequency stability	Compliance
FCC§ 2.1053; § 22.917; § 24.238; §27.53	Radiated Spurious Emissions	Compliance

3.2 Limit

Test items	Limit																																				
RF Output Power	FCC §22.913: (a)(5) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7watts. (d) Power measurement. Measurement of the ERP of Cellular base transmitters and repeaters must be made using an average power measurement technique. The peak-to average ratio (PAR) of the transmission must not exceed 13 dB. Power measurements for base transmitters and repeaters must be made in accordance with either of the following: (1) A Commission-approved average power technique (see FCC Laboratory's Knowledge Database); or (2) For purposes of this section, peak transmit power must be measured over an interval of continuous transmission using instrumentation calibrated in terms of an rms equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.																																				
Unwanted Emissions (Out of band emission and spurious)	FCC §22.917: (a) Out of band emissions. 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. (b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a reference bandwidth as follows: (1) In the spectrum below 1 GHz, instrumentation should employ a reference bandwidth of 100 kHz or greater. In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy, provided that the measured power is integrated over the full required reference bandwidth (i.e., 100 kHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. (2) In the spectrum above 1 GHz, instrumentation should employ a reference bandwidth of 1 MHz																																				
Frequency stability	FCC §22.355: Except as otherwise provided in this part, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table C-1 of this section. <table><tr><th colspan="4">Table C-1—Frequency Tolerance for Transmitters in the Public Mobile Services</th></tr><tr><th>Frequency range (MHz)</th><th>Base, fixed (ppm)</th><th>Mobile >3 watts (ppm)</th><th>Mobile ≤3 watts (ppm)</th></tr><tr><td>25 to 50</td><td>20.0</td><td>20.0</td><td>50.0</td></tr><tr><td>50 to 450</td><td>5.0</td><td>5.0</td><td>50.0</td></tr><tr><td>450 to 512</td><td>2.5</td><td>5.0</td><td>5.0</td></tr><tr><td>821 to 896</td><td>1.5</td><td>2.5</td><td>2.5</td></tr><tr><td>928 to 929</td><td>5.0</td><td>n/a</td><td>n/a</td></tr><tr><td>929 to 960</td><td>1.5</td><td>n/a</td><td>n/a</td></tr><tr><td>2110 to 2220</td><td>10.0</td><td>n/a</td><td>n/a</td></tr></table>	Table C-1—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
Table C-1—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																																		

Test items	Limit
RF Output Power	FCC §24.232: (c) 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. (d) Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of § 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
Unwanted Emissions (Out of band emission and spurious)	FCC §24.238: The rules in this section govern the spectral characteristics of emissions in the Broadband Personal Communications Service. (a) Out of band emissions. 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. (b) Measurement procedure. Compliance with these rules is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or greater. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e. 1 MHz or 1 percent of emission bandwidth, as specified). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power. (c) Alternative out of band emission limit. Licensees in this service may establish an alternative out of band emission limit to be used at specified band edge(s) in specified geographical areas, in lieu of that set forth in this section, pursuant to a private contractual arrangement of all affected licensees and applicants. In this event, each party to such contract shall maintain a copy of the contract in their station files and disclose it to prospective assignees or transferees and, upon request, to the FCC. (d) Interference caused by out of band emissions. If any emission from a transmitter operating in this service results in interference to users of another radio service, the FCC may require a greater attenuation of that emission than specified in this section.
Frequency stability	FCC §24.235: The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test items	Limit
RF Output Power	FCC §27.50: (a)(3) Mobile and portable stations. (i) For mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band, the average EIRP must not exceed 50 milliwatts within any 1 megahertz of authorized bandwidth, except that for mobile and portable stations compliant with 3GPP LTE standards or another advanced mobile broadband protocol that avoids concentrating energy at the edge of the operating band the average EIRP must not exceed 250 milliwatts within any 5 megahertz of authorized bandwidth but may exceed 50 milliwatts within any 1 megahertz of authorized bandwidth. For mobile and portable stations using time division duplexing (TDD) technology, the duty cycle must not exceed 38 percent in the 2305-2315 MHz and 2350-2360 MHz bands. Mobile and portable stations using FDD technology are restricted to transmitting in the 2305-2315 MHz band. Power averaging shall not include intervals in which the transmitter is off. (ii) Mobile and portable stations are not permitted to transmit in the 2315-2320 MHz and 2345-2350 MHz bands. (iii) Automatic transmit power control. Mobile and portable stations transmitting in the 2305-2315 MHz band or in the 2350-2360 MHz band must employ automatic transmit power control when operating so the stations operate with the minimum power necessary for successful communications. (iv) Prohibition on external vehicle-mounted antennas. The use of external vehicle-mounted antennas for mobile and portable stations transmitting in the 2305-2315 MHz band or the 2350-2360 MHz band is prohibited. (b)(10) Portable stations (hand-held devices) transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands are limited to 3 watts ERP. (c)(10) 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. (d)(4) 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. Fixed stations operating in the 1710-1755 MHz band are limited to a maximum antenna height of 10 meters above ground. Mobile and portable stations operating in these bands must employ a means for limiting power to the minimum necessary for successful communications. (h) The following power limits shall apply in the BRS and EBS: (2) 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.

Unwanted Emissions (Out of band emission and spurious)	FCC §27.53: (a) For operations in the 2305-2320 MHz band and the 2345-2360 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power P (with averaging performed only during periods of transmission) within the licensed band(s) of operation, in watts, by the following amounts: (4) For mobile and portable stations operating in the 2305-2315 MHz and 2350-2360 MHz bands: (i) By a factor of not less than: $43 + 10 \log (P)$ dB on all frequencies between 2305 and 2320 MHz and on all frequencies between 2345 and 2360 MHz that are outside the licensed band(s) of operation, not less than $55 + 10 \log (P)$ dB on all frequencies between 2320 and 2324 MHz and on all frequencies between 2341 and 2345 MHz, not less than $61 + 10 \log (P)$ dB on all frequencies between 2324 and 2328 MHz and on all frequencies between 2337 and 2341 MHz, and not less than $67 + 10 \log (P)$ dB on all frequencies between 2328 and 2337 MHz; (ii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2300 and 2305 MHz, $55 + 10 \log (P)$ dB on all frequencies between 2296 and 2300 MHz, $61 + 10 \log (P)$ dB on all frequencies between 2292 and 2296 MHz, $67 + 10 \log (P)$ dB on all frequencies between 2288 and 2292 MHz, and $70 + 10 \log (P)$ dB below 2288 MHz; (iii) By a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz. (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following: (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB; (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log (P)$ dB; (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log (P)$ dB in a 6.25 kHz band segment, for base and fixed stations; (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations; (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed; (6) Compliance with the provisions of paragraphs (c)(3) and (c)(4) of this section is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
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	(f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation. (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log (P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed. (h) AWS emission limits (1) <i>General protection levels.</i> Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB. (m)(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.
Frequency stability	FCC §27.54: The frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

3.3 RF Conducted Test Data

Test Date:	2024-07-25~2024-08-12	Test By:	Ryan Zhang
Environment condition:	Temperature: 23.0~23.6°C; Relative Humidity:57.0~67.0%; ATM Pressure: 100.1~101.3kPa		

3.3.1 RF Output Power&ERP/EIRP

GSM850, Normal

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
GSM_Low	28.34	17.36	0.054	7	Pass
GSM_Middle	28.31	17.33	0.054	7	Pass
GSM_High	28.23	17.25	0.053	7	Pass
GPRS_Low_1 slot	28.35	17.37	0.055	7	Pass
GPRS_Low_2 slot	26.73	15.75	0.038	7	Pass
GPRS_Low_3 slot	25.02	14.04	0.025	7	Pass
GPRS_Low_4 slot	23.26	12.28	0.017	7	Pass
GPRS_Middle_1 slot	28.33	17.35	0.054	7	Pass
GPRS_Middle_2 slot	26.62	15.64	0.037	7	Pass
GPRS_Middle_3 slot	24.76	13.78	0.024	7	Pass
GPRS_Middle_4 slot	22.93	11.95	0.016	7	Pass
GPRS_High_1 slot	28.27	17.29	0.054	7	Pass
GPRS_High_2 slot	26.42	15.44	0.035	7	Pass
GPRS_High_3 slot	24.50	13.52	0.022	7	Pass
GPRS_High_4 slot	22.56	11.58	0.014	7	Pass

Note:

ERP = Conducted Power(dBm) - L_C(dB) + G_T(dBd)

G_T(dBd) = G_T(dBi) - 2.15

1. Ant Gain = -8.83dBi;

2. L_C = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

B5 , Normal

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
1.4MHz_Low_QPSK_1@0	19.94	8.960	0.008	7	Pass
1.4MHz_Low_QPSK_1@3	19.99	9.010	0.008	7	Pass
1.4MHz_Low_QPSK_1@5	19.98	9.000	0.008	7	Pass
1.4MHz_Low_QPSK_3@0	19.84	8.860	0.008	7	Pass
1.4MHz_Low_QPSK_3@1	19.89	8.910	0.008	7	Pass
1.4MHz_Low_QPSK_3@3	19.87	8.890	0.008	7	Pass
1.4MHz_Low_QPSK_6@0	18.87	7.890	0.006	7	Pass
1.4MHz_Low_16QAM_1@0	19.40	8.420	0.007	7	Pass
1.4MHz_Low_16QAM_1@3	19.40	8.420	0.007	7	Pass
1.4MHz_Low_16QAM_1@5	19.33	8.350	0.007	7	Pass
1.4MHz_Low_16QAM_3@0	19.16	8.180	0.007	7	Pass
1.4MHz_Low_16QAM_3@1	19.23	8.250	0.007	7	Pass
1.4MHz_Low_16QAM_3@3	19.22	8.240	0.007	7	Pass
1.4MHz_Low_16QAM_6@0	18.06	7.080	0.005	7	Pass
1.4MHz_Middle_QPSK_1@0	19.54	8.560	0.007	7	Pass
1.4MHz_Middle_QPSK_1@3	19.50	8.520	0.007	7	Pass
1.4MHz_Middle_QPSK_1@5	19.41	8.430	0.007	7	Pass
1.4MHz_Middle_QPSK_3@0	19.41	8.430	0.007	7	Pass
1.4MHz_Middle_QPSK_3@1	19.46	8.480	0.007	7	Pass
1.4MHz_Middle_QPSK_3@3	19.33	8.350	0.007	7	Pass
1.4MHz_Middle_QPSK_6@0	18.32	7.340	0.005	7	Pass
1.4MHz_Middle_16QAM_1@0	18.31	7.330	0.005	7	Pass
1.4MHz_Middle_16QAM_1@3	18.27	7.290	0.005	7	Pass
1.4MHz_Middle_16QAM_1@5	18.36	7.380	0.005	7	Pass
1.4MHz_Middle_16QAM_3@0	18.36	7.380	0.005	7	Pass
1.4MHz_Middle_16QAM_3@1	18.33	7.350	0.005	7	Pass
1.4MHz_Middle_16QAM_3@3	18.30	7.320	0.005	7	Pass
1.4MHz_Middle_16QAM_6@0	17.81	6.830	0.005	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
1.4MHz_High_QPSK_1@0	18.32	7.340	0.005	7	Pass
1.4MHz_High_QPSK_1@3	18.06	7.080	0.005	7	Pass
1.4MHz_High_QPSK_1@5	18.10	7.120	0.005	7	Pass
1.4MHz_High_QPSK_3@0	18.27	7.290	0.005	7	Pass
1.4MHz_High_QPSK_3@1	18.14	7.160	0.005	7	Pass
1.4MHz_High_QPSK_3@3	18.16	7.180	0.005	7	Pass
1.4MHz_High_QPSK_6@0	17.11	6.130	0.004	7	Pass
1.4MHz_High_16QAM_1@0	17.84	6.860	0.005	7	Pass
1.4MHz_High_16QAM_1@3	17.36	6.380	0.004	7	Pass
1.4MHz_High_16QAM_1@5	17.30	6.320	0.004	7	Pass
1.4MHz_High_16QAM_3@0	17.32	6.340	0.004	7	Pass
1.4MHz_High_16QAM_3@1	17.37	6.390	0.004	7	Pass
1.4MHz_High_16QAM_3@3	17.34	6.360	0.004	7	Pass
1.4MHz_High_16QAM_6@0	16.21	5.230	0.003	7	Pass
3MHz_Low_QPSK_1@0	20.14	9.160	0.008	7	Pass
3MHz_Low_QPSK_1@14	20.08	9.100	0.008	7	Pass
3MHz_Low_QPSK_1@8	20.06	9.080	0.008	7	Pass
3MHz_Low_QPSK_15@0	18.93	7.950	0.006	7	Pass
3MHz_Low_QPSK_8@0	19.07	8.090	0.006	7	Pass
3MHz_Low_QPSK_8@4	18.93	7.950	0.006	7	Pass
3MHz_Low_QPSK_8@7	18.93	7.950	0.006	7	Pass
3MHz_Low_16QAM_1@0	19.29	8.310	0.007	7	Pass
3MHz_Low_16QAM_1@14	19.16	8.180	0.007	7	Pass
3MHz_Low_16QAM_1@8	19.26	8.280	0.007	7	Pass
3MHz_Low_16QAM_15@0	17.91	6.930	0.005	7	Pass
3MHz_Low_16QAM_8@0	18.18	7.200	0.005	7	Pass
3MHz_Low_16QAM_8@4	18.05	7.070	0.005	7	Pass
3MHz_Low_16QAM_8@7	18.43	7.450	0.006	7	Pass
3MHz_Middle_QPSK_1@0	19.57	8.590	0.007	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
3MHz_Middle_QPSK_1@14	19.34	8.360	0.007	7	Pass
3MHz_Middle_QPSK_1@8	19.45	8.470	0.007	7	Pass
3MHz_Middle_QPSK_15@0	18.35	7.370	0.005	7	Pass
3MHz_Middle_QPSK_8@0	18.24	7.260	0.005	7	Pass
3MHz_Middle_QPSK_8@4	18.27	7.290	0.005	7	Pass
3MHz_Middle_QPSK_8@7	18.25	7.270	0.005	7	Pass
3MHz_Middle_16QAM_1@0	18.85	7.870	0.006	7	Pass
3MHz_Middle_16QAM_1@14	18.65	7.670	0.006	7	Pass
3MHz_Middle_16QAM_1@8	18.78	7.800	0.006	7	Pass
3MHz_Middle_16QAM_15@0	17.64	6.660	0.005	7	Pass
3MHz_Middle_16QAM_8@0	17.68	6.700	0.005	7	Pass
3MHz_Middle_16QAM_8@4	17.66	6.680	0.005	7	Pass
3MHz_Middle_16QAM_8@7	17.59	6.610	0.005	7	Pass
3MHz_High_QPSK_1@0	18.40	7.420	0.006	7	Pass
3MHz_High_QPSK_1@14	18.08	7.100	0.005	7	Pass
3MHz_High_QPSK_1@8	18.17	7.190	0.005	7	Pass
3MHz_High_QPSK_15@0	17.36	6.380	0.004	7	Pass
3MHz_High_QPSK_8@0	17.42	6.440	0.004	7	Pass
3MHz_High_QPSK_8@4	17.38	6.400	0.004	7	Pass
3MHz_High_QPSK_8@7	17.16	6.180	0.004	7	Pass
3MHz_High_16QAM_1@0	18.04	7.060	0.005	7	Pass
3MHz_High_16QAM_1@14	17.81	6.830	0.005	7	Pass
3MHz_High_16QAM_1@8	17.87	6.890	0.005	7	Pass
3MHz_High_16QAM_15@0	16.49	5.510	0.004	7	Pass
3MHz_High_16QAM_8@0	16.26	5.280	0.003	7	Pass
3MHz_High_16QAM_8@4	16.15	5.170	0.003	7	Pass
3MHz_High_16QAM_8@7	16.10	5.120	0.003	7	Pass
5MHz_Low_QPSK_1@0	19.98	9.000	0.008	7	Pass
5MHz_Low_QPSK_1@12	19.85	8.870	0.008	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
5MHz_Low_QPSK_1@24	19.72	8.740	0.007	7	Pass
5MHz_Low_QPSK_12@0	18.86	7.880	0.006	7	Pass
5MHz_Low_QPSK_12@13	18.81	7.830	0.006	7	Pass
5MHz_Low_QPSK_12@7	18.84	7.860	0.006	7	Pass
5MHz_Low_QPSK_25@0	18.80	7.820	0.006	7	Pass
5MHz_Low_16QAM_1@0	19.28	8.300	0.007	7	Pass
5MHz_Low_16QAM_1@12	19.17	8.190	0.007	7	Pass
5MHz_Low_16QAM_1@24	18.99	8.010	0.006	7	Pass
5MHz_Low_16QAM_12@0	17.87	6.890	0.005	7	Pass
5MHz_Low_16QAM_12@13	18.21	7.230	0.005	7	Pass
5MHz_Low_16QAM_12@7	18.21	7.230	0.005	7	Pass
5MHz_Low_16QAM_25@0	18.36	7.380	0.005	7	Pass
5MHz_Middle_QPSK_1@0	19.12	8.140	0.007	7	Pass
5MHz_Middle_QPSK_1@12	18.85	7.870	0.006	7	Pass
5MHz_Middle_QPSK_1@24	18.71	7.730	0.006	7	Pass
5MHz_Middle_QPSK_12@0	18.20	7.220	0.005	7	Pass
5MHz_Middle_QPSK_12@13	18.03	7.050	0.005	7	Pass
5MHz_Middle_QPSK_12@7	18.08	7.100	0.005	7	Pass
5MHz_Middle_QPSK_25@0	18.08	7.100	0.005	7	Pass
5MHz_Middle_16QAM_1@0	17.94	6.960	0.005	7	Pass
5MHz_Middle_16QAM_1@12	17.82	6.840	0.005	7	Pass
5MHz_Middle_16QAM_1@24	18.04	7.060	0.005	7	Pass
5MHz_Middle_16QAM_12@0	17.66	6.680	0.005	7	Pass
5MHz_Middle_16QAM_12@13	17.46	6.480	0.004	7	Pass
5MHz_Middle_16QAM_12@7	17.62	6.640	0.005	7	Pass
5MHz_Middle_16QAM_25@0	17.57	6.590	0.005	7	Pass
5MHz_High_QPSK_1@0	18.35	7.370	0.005	7	Pass
5MHz_High_QPSK_1@12	18.10	7.120	0.005	7	Pass
5MHz_High_QPSK_1@24	17.98	7.000	0.005	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
5MHz_High_QPSK_12@0	17.34	6.360	0.004	7	Pass
5MHz_High_QPSK_12@13	17.05	6.070	0.004	7	Pass
5MHz_High_QPSK_12@7	17.27	6.290	0.004	7	Pass
5MHz_High_QPSK_25@0	17.31	6.330	0.004	7	Pass
5MHz_High_16QAM_1@0	17.13	6.150	0.004	7	Pass
5MHz_High_16QAM_1@12	16.82	5.840	0.004	7	Pass
5MHz_High_16QAM_1@24	16.65	5.670	0.004	7	Pass
5MHz_High_16QAM_12@0	16.38	5.400	0.003	7	Pass
5MHz_High_16QAM_12@13	16.16	5.180	0.003	7	Pass
5MHz_High_16QAM_12@7	16.23	5.250	0.003	7	Pass
5MHz_High_16QAM_25@0	16.47	5.490	0.004	7	Pass
10MHz_Low_QPSK_1@0	19.88	8.900	0.008	7	Pass
10MHz_Low_QPSK_1@25	19.64	8.660	0.007	7	Pass
10MHz_Low_QPSK_1@49	19.42	8.440	0.007	7	Pass
10MHz_Low_QPSK_25@0	18.72	7.740	0.006	7	Pass
10MHz_Low_QPSK_25@12	18.56	7.580	0.006	7	Pass
10MHz_Low_QPSK_25@25	18.51	7.530	0.006	7	Pass
10MHz_Low_QPSK_50@0	18.55	7.570	0.006	7	Pass
10MHz_Low_16QAM_1@0	19.68	8.700	0.007	7	Pass
10MHz_Low_16QAM_1@25	19.38	8.400	0.007	7	Pass
10MHz_Low_16QAM_1@49	19.10	8.120	0.006	7	Pass
10MHz_Low_16QAM_25@0	18.23	7.250	0.005	7	Pass
10MHz_Low_16QAM_25@12	17.74	6.760	0.005	7	Pass
10MHz_Low_16QAM_25@25	17.59	6.610	0.005	7	Pass
10MHz_Low_16QAM_50@0	17.62	6.640	0.005	7	Pass
10MHz_Middle_QPSK_1@0	19.51	8.530	0.007	7	Pass
10MHz_Middle_QPSK_1@25	19.21	8.230	0.007	7	Pass
10MHz_Middle_QPSK_1@49	18.78	7.800	0.006	7	Pass
10MHz_Middle_QPSK_25@0	18.17	7.190	0.005	7	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
10MHz_Middle_QPSK_25@12	18.09	7.110	0.005	7	Pass
10MHz_Middle_QPSK_25@25	18.26	7.280	0.005	7	Pass
10MHz_Middle_QPSK_50@0	18.10	7.120	0.005	7	Pass
10MHz_Middle_16QAM_1@0	18.50	7.520	0.006	7	Pass
10MHz_Middle_16QAM_1@25	18.15	7.170	0.005	7	Pass
10MHz_Middle_16QAM_1@49	17.81	6.830	0.005	7	Pass
10MHz_Middle_16QAM_25@0	17.92	6.940	0.005	7	Pass
10MHz_Middle_16QAM_25@12	17.78	6.800	0.005	7	Pass
10MHz_Middle_16QAM_25@25	17.58	6.600	0.005	7	Pass
10MHz_Middle_16QAM_50@0	17.59	6.610	0.005	7	Pass
10MHz_High_QPSK_1@0	19.07	8.090	0.006	7	Pass
10MHz_High_QPSK_1@25	18.68	7.700	0.006	7	Pass
10MHz_High_QPSK_1@49	18.28	7.300	0.005	7	Pass
10MHz_High_QPSK_25@0	17.67	6.690	0.005	7	Pass
10MHz_High_QPSK_25@12	17.49	6.510	0.004	7	Pass
10MHz_High_QPSK_25@25	17.29	6.310	0.004	7	Pass
10MHz_High_QPSK_50@0	17.59	6.610	0.005	7	Pass
10MHz_High_16QAM_1@0	18.78	7.800	0.006	7	Pass
10MHz_High_16QAM_1@25	18.22	7.240	0.005	7	Pass
10MHz_High_16QAM_1@49	17.71	6.730	0.005	7	Pass
10MHz_High_16QAM_25@0	17.07	6.090	0.004	7	Pass
10MHz_High_16QAM_25@12	16.84	5.860	0.004	7	Pass
10MHz_High_16QAM_25@25	16.27	5.290	0.003	7	Pass
10MHz_High_16QAM_50@0	16.87	5.890	0.004	7	Pass

Note:

ERP = Conducted Power(dBm) - L_C(dB) + G_T(dBd)

G_T(dBd) = G_T(dBi) - 2.15

1.Ant Gain = -8.83dBi;

2.C_L = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

GSM1900, Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
GSM_Low	29.32	27.58	0.573	2	Pass
GSM_Middle	29.44	27.70	0.589	2	Pass
GSM_High	29.65	27.91	0.618	2	Pass
GPRS_Low_1 slot	29.34	27.60	0.575	2	Pass
GPRS_Low_2 slot	27.15	25.41	0.348	2	Pass
GPRS_Low_3 slot	25.63	23.89	0.245	2	Pass
GPRS_Low_4 slot	23.66	21.92	0.156	2	Pass
GPRS_Middle_1 slot	29.46	27.72	0.592	2	Pass
GPRS_Middle_2 slot	27.38	25.64	0.366	2	Pass
GPRS_Middle_3 slot	25.86	24.12	0.258	2	Pass
GPRS_Middle_4 slot	23.95	22.21	0.166	2	Pass
GPRS_High_1 slot	29.66	27.92	0.619	2	Pass
GPRS_High_2 slot	27.54	25.80	0.380	2	Pass
GPRS_High_3 slot	26.03	24.29	0.269	2	Pass
GPRS_High_4 slot	24.07	22.33	0.171	2	Pass

Note:

$$\text{EIRP} = \text{Conducted Power(dBm)} - L_C(\text{dB}) + G_T(\text{dBi})$$

1. Ant Gain = -1.74dBi;

2. L_C = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

B2 , Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
1.4MHz_Low_QPSK_1@0	22.57	20.830	0.121	2	Pass
1.4MHz_Low_QPSK_1@3	22.56	20.820	0.121	2	Pass
1.4MHz_Low_QPSK_1@5	22.68	20.940	0.124	2	Pass
1.4MHz_Low_QPSK_3@0	22.55	20.810	0.121	2	Pass
1.4MHz_Low_QPSK_3@1	22.58	20.840	0.121	2	Pass
1.4MHz_Low_QPSK_3@3	22.47	20.730	0.118	2	Pass
1.4MHz_Low_QPSK_6@0	21.56	19.820	0.096	2	Pass
1.4MHz_Low_16QAM_1@0	22.28	20.540	0.113	2	Pass
1.4MHz_Low_16QAM_1@3	22.27	20.530	0.113	2	Pass
1.4MHz_Low_16QAM_1@5	22.31	20.570	0.114	2	Pass
1.4MHz_Low_16QAM_3@0	21.85	20.110	0.103	2	Pass
1.4MHz_Low_16QAM_3@1	21.84	20.100	0.102	2	Pass
1.4MHz_Low_16QAM_3@3	21.85	20.110	0.103	2	Pass
1.4MHz_Low_16QAM_6@0	20.74	19.000	0.079	2	Pass
1.4MHz_Middle_QPSK_1@0	21.74	20.000	0.100	2	Pass
1.4MHz_Middle_QPSK_1@3	21.75	20.010	0.100	2	Pass
1.4MHz_Middle_QPSK_1@5	21.72	19.980	0.100	2	Pass
1.4MHz_Middle_QPSK_3@0	21.59	19.850	0.097	2	Pass
1.4MHz_Middle_QPSK_3@1	21.61	19.870	0.097	2	Pass
1.4MHz_Middle_QPSK_3@3	21.44	19.700	0.093	2	Pass
1.4MHz_Middle_QPSK_6@0	20.47	18.730	0.075	2	Pass
1.4MHz_Middle_16QAM_1@0	20.93	19.190	0.083	2	Pass
1.4MHz_Middle_16QAM_1@3	20.96	19.220	0.084	2	Pass
1.4MHz_Middle_16QAM_1@5	20.87	19.130	0.082	2	Pass
1.4MHz_Middle_16QAM_3@0	20.65	18.910	0.078	2	Pass
1.4MHz_Middle_16QAM_3@1	20.69	18.950	0.079	2	Pass
1.4MHz_Middle_16QAM_3@3	20.60	18.860	0.077	2	Pass
1.4MHz_Middle_16QAM_6@0	19.36	17.620	0.058	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
1.4MHz_High_QPSK_1@0	21.48	19.740	0.094	2	Pass
1.4MHz_High_QPSK_1@3	21.45	19.710	0.094	2	Pass
1.4MHz_High_QPSK_1@5	21.54	19.800	0.095	2	Pass
1.4MHz_High_QPSK_3@0	21.38	19.640	0.092	2	Pass
1.4MHz_High_QPSK_3@1	21.44	19.700	0.093	2	Pass
1.4MHz_High_QPSK_3@3	21.42	19.680	0.093	2	Pass
1.4MHz_High_QPSK_6@0	20.36	18.620	0.073	2	Pass
1.4MHz_High_16QAM_1@0	21.17	19.430	0.088	2	Pass
1.4MHz_High_16QAM_1@3	21.15	19.410	0.087	2	Pass
1.4MHz_High_16QAM_1@5	21.19	19.450	0.088	2	Pass
1.4MHz_High_16QAM_3@0	20.67	18.930	0.078	2	Pass
1.4MHz_High_16QAM_3@1	20.65	18.910	0.078	2	Pass
1.4MHz_High_16QAM_3@3	20.66	18.920	0.078	2	Pass
1.4MHz_High_16QAM_6@0	19.51	17.770	0.060	2	Pass
3MHz_Low_QPSK_1@0	22.73	20.990	0.126	2	Pass
3MHz_Low_QPSK_1@14	22.77	21.030	0.127	2	Pass
3MHz_Low_QPSK_1@8	22.76	21.020	0.126	2	Pass
3MHz_Low_QPSK_15@0	21.58	19.840	0.096	2	Pass
3MHz_Low_QPSK_8@0	21.53	19.790	0.095	2	Pass
3MHz_Low_QPSK_8@4	21.49	19.750	0.094	2	Pass
3MHz_Low_QPSK_8@7	21.45	19.710	0.094	2	Pass
3MHz_Low_16QAM_1@0	21.87	20.130	0.103	2	Pass
3MHz_Low_16QAM_1@14	21.88	20.140	0.103	2	Pass
3MHz_Low_16QAM_1@8	21.83	20.090	0.102	2	Pass
3MHz_Low_16QAM_15@0	20.75	19.010	0.080	2	Pass
3MHz_Low_16QAM_8@0	20.84	19.100	0.081	2	Pass
3MHz_Low_16QAM_8@4	20.85	19.110	0.081	2	Pass
3MHz_Low_16QAM_8@7	20.81	19.070	0.081	2	Pass
3MHz_Middle_QPSK_1@0	21.66	19.920	0.098	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
3MHz_Middle_QPSK_1@14	21.52	19.780	0.095	2	Pass
3MHz_Middle_QPSK_1@8	21.57	19.830	0.096	2	Pass
3MHz_Middle_QPSK_15@0	20.52	18.780	0.076	2	Pass
3MHz_Middle_QPSK_8@0	20.55	18.810	0.076	2	Pass
3MHz_Middle_QPSK_8@4	20.50	18.760	0.075	2	Pass
3MHz_Middle_QPSK_8@7	20.50	18.760	0.075	2	Pass
3MHz_Middle_16QAM_1@0	20.29	18.550	0.072	2	Pass
3MHz_Middle_16QAM_1@14	20.18	18.440	0.070	2	Pass
3MHz_Middle_16QAM_1@8	20.21	18.470	0.070	2	Pass
3MHz_Middle_16QAM_15@0	19.67	17.930	0.062	2	Pass
3MHz_Middle_16QAM_8@0	19.64	17.900	0.062	2	Pass
3MHz_Middle_16QAM_8@4	19.65	17.910	0.062	2	Pass
3MHz_Middle_16QAM_8@7	19.58	17.840	0.061	2	Pass
3MHz_High_QPSK_1@0	21.48	19.740	0.094	2	Pass
3MHz_High_QPSK_1@14	21.53	19.790	0.095	2	Pass
3MHz_High_QPSK_1@8	21.53	19.790	0.095	2	Pass
3MHz_High_QPSK_15@0	20.36	18.620	0.073	2	Pass
3MHz_High_QPSK_8@0	20.37	18.630	0.073	2	Pass
3MHz_High_QPSK_8@4	20.28	18.540	0.071	2	Pass
3MHz_High_QPSK_8@7	20.35	18.610	0.073	2	Pass
3MHz_High_16QAM_1@0	21.12	19.380	0.087	2	Pass
3MHz_High_16QAM_1@14	21.13	19.390	0.087	2	Pass
3MHz_High_16QAM_1@8	21.10	19.360	0.086	2	Pass
3MHz_High_16QAM_15@0	19.59	17.850	0.061	2	Pass
3MHz_High_16QAM_8@0	19.39	17.650	0.058	2	Pass
3MHz_High_16QAM_8@4	19.40	17.660	0.058	2	Pass
3MHz_High_16QAM_8@7	19.35	17.610	0.058	2	Pass
5MHz_Low_QPSK_1@0	22.74	21.000	0.126	2	Pass
5MHz_Low_QPSK_1@12	22.66	20.920	0.124	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
5MHz_Low_QPSK_1@24	22.62	20.880	0.122	2	Pass
5MHz_Low_QPSK_12@0	21.54	19.800	0.095	2	Pass
5MHz_Low_QPSK_12@13	21.51	19.770	0.095	2	Pass
5MHz_Low_QPSK_12@7	21.59	19.850	0.097	2	Pass
5MHz_Low_QPSK_25@0	21.58	19.840	0.096	2	Pass
5MHz_Low_16QAM_1@0	22.18	20.440	0.111	2	Pass
5MHz_Low_16QAM_1@12	22.07	20.330	0.108	2	Pass
5MHz_Low_16QAM_1@24	21.97	20.230	0.105	2	Pass
5MHz_Low_16QAM_12@0	20.62	18.880	0.077	2	Pass
5MHz_Low_16QAM_12@13	20.63	18.890	0.077	2	Pass
5MHz_Low_16QAM_12@7	20.63	18.890	0.077	2	Pass
5MHz_Low_16QAM_25@0	20.80	19.060	0.081	2	Pass
5MHz_Middle_QPSK_1@0	21.38	19.640	0.092	2	Pass
5MHz_Middle_QPSK_1@12	21.36	19.620	0.092	2	Pass
5MHz_Middle_QPSK_1@24	21.33	19.590	0.091	2	Pass
5MHz_Middle_QPSK_12@0	20.51	18.770	0.075	2	Pass
5MHz_Middle_QPSK_12@13	20.46	18.720	0.074	2	Pass
5MHz_Middle_QPSK_12@7	20.47	18.730	0.075	2	Pass
5MHz_Middle_QPSK_25@0	20.47	18.730	0.075	2	Pass
5MHz_Middle_16QAM_1@0	20.40	18.660	0.073	2	Pass
5MHz_Middle_16QAM_1@12	20.34	18.600	0.072	2	Pass
5MHz_Middle_16QAM_1@24	20.34	18.600	0.072	2	Pass
5MHz_Middle_16QAM_12@0	19.72	17.980	0.063	2	Pass
5MHz_Middle_16QAM_12@13	19.63	17.890	0.062	2	Pass
5MHz_Middle_16QAM_12@7	19.61	17.870	0.061	2	Pass
5MHz_Middle_16QAM_25@0	19.64	17.900	0.062	2	Pass
5MHz_High_QPSK_1@0	21.17	19.430	0.088	2	Pass
5MHz_High_QPSK_1@12	21.20	19.460	0.088	2	Pass
5MHz_High_QPSK_1@24	21.26	19.520	0.090	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
5MHz_High_QPSK_12@0	20.37	18.630	0.073	2	Pass
5MHz_High_QPSK_12@13	20.36	18.620	0.073	2	Pass
5MHz_High_QPSK_12@7	20.29	18.550	0.072	2	Pass
5MHz_High_QPSK_25@0	20.24	18.500	0.071	2	Pass
5MHz_High_16QAM_1@0	19.93	18.190	0.066	2	Pass
5MHz_High_16QAM_1@12	19.92	18.180	0.066	2	Pass
5MHz_High_16QAM_1@24	20.01	18.270	0.067	2	Pass
5MHz_High_16QAM_12@0	19.50	17.760	0.060	2	Pass
5MHz_High_16QAM_12@13	19.45	17.710	0.059	2	Pass
5MHz_High_16QAM_12@7	19.50	17.760	0.060	2	Pass
5MHz_High_16QAM_25@0	19.61	17.870	0.061	2	Pass
10MHz_Low_QPSK_1@0	22.80	21.060	0.128	2	Pass
10MHz_Low_QPSK_1@25	22.69	20.950	0.124	2	Pass
10MHz_Low_QPSK_1@49	22.36	20.620	0.115	2	Pass
10MHz_Low_QPSK_25@0	21.61	19.870	0.097	2	Pass
10MHz_Low_QPSK_25@12	21.47	19.730	0.094	2	Pass
10MHz_Low_QPSK_25@25	21.30	19.560	0.090	2	Pass
10MHz_Low_QPSK_50@0	21.53	19.790	0.095	2	Pass
10MHz_Low_16QAM_1@0	22.42	20.680	0.117	2	Pass
10MHz_Low_16QAM_1@25	22.35	20.610	0.115	2	Pass
10MHz_Low_16QAM_1@49	22.01	20.270	0.106	2	Pass
10MHz_Low_16QAM_25@0	20.75	19.010	0.080	2	Pass
10MHz_Low_16QAM_25@12	20.75	19.010	0.080	2	Pass
10MHz_Low_16QAM_25@25	20.60	18.860	0.077	2	Pass
10MHz_Low_16QAM_50@0	20.72	18.980	0.079	2	Pass
10MHz_Middle_QPSK_1@0	21.61	19.870	0.097	2	Pass
10MHz_Middle_QPSK_1@25	21.59	19.850	0.097	2	Pass
10MHz_Middle_QPSK_1@49	21.47	19.730	0.094	2	Pass
10MHz_Middle_QPSK_25@0	20.54	18.800	0.076	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
10MHz_Middle_QPSK_25@12	20.55	18.810	0.076	2	Pass
10MHz_Middle_QPSK_25@25	20.50	18.760	0.075	2	Pass
10MHz_Middle_QPSK_50@0	20.57	18.830	0.076	2	Pass
10MHz_Middle_16QAM_1@0	20.87	19.130	0.082	2	Pass
10MHz_Middle_16QAM_1@25	20.79	19.050	0.080	2	Pass
10MHz_Middle_16QAM_1@49	20.69	18.950	0.079	2	Pass
10MHz_Middle_16QAM_25@0	19.86	18.120	0.065	2	Pass
10MHz_Middle_16QAM_25@12	19.84	18.100	0.065	2	Pass
10MHz_Middle_16QAM_25@25	19.77	18.030	0.064	2	Pass
10MHz_Middle_16QAM_50@0	19.75	18.010	0.063	2	Pass
10MHz_High_QPSK_1@0	21.47	19.730	0.094	2	Pass
10MHz_High_QPSK_1@25	21.42	19.680	0.093	2	Pass
10MHz_High_QPSK_1@49	21.59	19.850	0.097	2	Pass
10MHz_High_QPSK_25@0	20.40	18.660	0.073	2	Pass
10MHz_High_QPSK_25@12	20.36	18.620	0.073	2	Pass
10MHz_High_QPSK_25@25	20.39	18.650	0.073	2	Pass
10MHz_High_QPSK_50@0	20.44	18.700	0.074	2	Pass
10MHz_High_16QAM_1@0	21.11	19.370	0.086	2	Pass
10MHz_High_16QAM_1@25	21.12	19.380	0.087	2	Pass
10MHz_High_16QAM_1@49	21.15	19.410	0.087	2	Pass
10MHz_High_16QAM_25@0	19.41	17.670	0.058	2	Pass
10MHz_High_16QAM_25@12	19.52	17.780	0.060	2	Pass
10MHz_High_16QAM_25@25	19.53	17.790	0.060	2	Pass
10MHz_High_16QAM_50@0	19.51	17.770	0.060	2	Pass
15MHz_Low_QPSK_1@0	22.85	21.110	0.129	2	Pass
15MHz_Low_QPSK_1@37	22.55	20.810	0.121	2	Pass
15MHz_Low_QPSK_1@74	22.14	20.400	0.110	2	Pass
15MHz_Low_QPSK_36@0	21.51	19.770	0.095	2	Pass
15MHz_Low_QPSK_36@20	21.33	19.590	0.091	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
15MHz_Low_QPSK_36@39	21.20	19.460	0.088	2	Pass
15MHz_Low_QPSK_75@0	21.28	19.540	0.090	2	Pass
15MHz_Low_16QAM_1@0	21.94	20.200	0.105	2	Pass
15MHz_Low_16QAM_1@37	21.67	19.930	0.098	2	Pass
15MHz_Low_16QAM_1@74	21.31	19.570	0.091	2	Pass
15MHz_Low_16QAM_36@0	20.80	19.060	0.081	2	Pass
15MHz_Low_16QAM_36@20	20.50	18.760	0.075	2	Pass
15MHz_Low_16QAM_36@39	20.36	18.620	0.073	2	Pass
15MHz_Low_16QAM_75@0	20.52	18.780	0.076	2	Pass
15MHz_Middle_QPSK_1@0	21.86	20.120	0.103	2	Pass
15MHz_Middle_QPSK_1@37	21.75	20.010	0.100	2	Pass
15MHz_Middle_QPSK_1@74	21.60	19.860	0.097	2	Pass
15MHz_Middle_QPSK_36@0	20.63	18.890	0.077	2	Pass
15MHz_Middle_QPSK_36@20	20.55	18.810	0.076	2	Pass
15MHz_Middle_QPSK_36@39	20.57	18.830	0.076	2	Pass
15MHz_Middle_QPSK_75@0	20.57	18.830	0.076	2	Pass
15MHz_Middle_16QAM_1@0	21.46	19.720	0.094	2	Pass
15MHz_Middle_16QAM_1@37	21.34	19.600	0.091	2	Pass
15MHz_Middle_16QAM_1@74	21.29	19.550	0.090	2	Pass
15MHz_Middle_16QAM_36@0	19.74	18.000	0.063	2	Pass
15MHz_Middle_16QAM_36@20	19.67	17.930	0.062	2	Pass
15MHz_Middle_16QAM_36@39	19.60	17.860	0.061	2	Pass
15MHz_Middle_16QAM_75@0	19.72	17.980	0.063	2	Pass
15MHz_High_QPSK_1@0	21.49	19.750	0.094	2	Pass
15MHz_High_QPSK_1@37	21.50	19.760	0.095	2	Pass
15MHz_High_QPSK_1@74	21.59	19.850	0.097	2	Pass
15MHz_High_QPSK_36@0	20.30	18.560	0.072	2	Pass
15MHz_High_QPSK_36@20	20.41	18.670	0.074	2	Pass
15MHz_High_QPSK_36@39	20.41	18.670	0.074	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
15MHz_High_QPSK_75@0	20.43	18.690	0.074	2	Pass
15MHz_High_16QAM_1@0	21.11	19.370	0.086	2	Pass
15MHz_High_16QAM_1@37	21.14	19.400	0.087	2	Pass
15MHz_High_16QAM_1@74	21.17	19.430	0.088	2	Pass
15MHz_High_16QAM_36@0	19.44	17.700	0.059	2	Pass
15MHz_High_16QAM_36@20	19.54	17.800	0.060	2	Pass
15MHz_High_16QAM_36@39	19.60	17.860	0.061	2	Pass
15MHz_High_16QAM_75@0	19.54	17.800	0.060	2	Pass
20MHz_Low_QPSK_1@0	22.66	20.920	0.124	2	Pass
20MHz_Low_QPSK_1@49	22.27	20.530	0.113	2	Pass
20MHz_Low_QPSK_1@99	21.79	20.050	0.101	2	Pass
20MHz_Low_QPSK_100@0	21.25	19.510	0.089	2	Pass
20MHz_Low_QPSK_50@0	21.49	19.750	0.094	2	Pass
20MHz_Low_QPSK_50@24	21.11	19.370	0.086	2	Pass
20MHz_Low_QPSK_50@50	21.05	19.310	0.085	2	Pass
20MHz_Low_16QAM_1@0	21.85	20.110	0.103	2	Pass
20MHz_Low_16QAM_1@49	21.49	19.750	0.094	2	Pass
20MHz_Low_16QAM_1@99	21.04	19.300	0.085	2	Pass
20MHz_Low_16QAM_100@0	20.43	18.690	0.074	2	Pass
20MHz_Low_16QAM_50@0	20.77	19.030	0.080	2	Pass
20MHz_Low_16QAM_50@24	20.38	18.640	0.073	2	Pass
20MHz_Low_16QAM_50@50	20.11	18.370	0.069	2	Pass
20MHz_Middle_QPSK_1@0	21.70	19.960	0.099	2	Pass
20MHz_Middle_QPSK_1@49	21.54	19.800	0.095	2	Pass
20MHz_Middle_QPSK_1@99	21.37	19.630	0.092	2	Pass
20MHz_Middle_QPSK_100@0	20.65	18.910	0.078	2	Pass
20MHz_Middle_QPSK_50@0	20.62	18.880	0.077	2	Pass
20MHz_Middle_QPSK_50@24	20.65	18.910	0.078	2	Pass
20MHz_Middle_QPSK_50@50	20.40	18.660	0.073	2	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
20MHz_Middle_16QAM_1@0	20.32	18.580	0.072	2	Pass
20MHz_Middle_16QAM_1@49	20.20	18.460	0.070	2	Pass
20MHz_Middle_16QAM_1@99	20.35	18.610	0.073	2	Pass
20MHz_Middle_16QAM_100@0	19.73	17.990	0.063	2	Pass
20MHz_Middle_16QAM_50@0	19.75	18.010	0.063	2	Pass
20MHz_Middle_16QAM_50@24	19.76	18.020	0.063	2	Pass
20MHz_Middle_16QAM_50@50	19.71	17.970	0.063	2	Pass
20MHz_High_QPSK_1@0	21.50	19.760	0.095	2	Pass
20MHz_High_QPSK_1@49	21.44	19.700	0.093	2	Pass
20MHz_High_QPSK_1@99	21.67	19.930	0.098	2	Pass
20MHz_High_QPSK_100@0	20.28	18.540	0.071	2	Pass
20MHz_High_QPSK_50@0	20.33	18.590	0.072	2	Pass
20MHz_High_QPSK_50@24	20.36	18.620	0.073	2	Pass
20MHz_High_QPSK_50@50	20.36	18.620	0.073	2	Pass
20MHz_High_16QAM_1@0	20.47	18.730	0.075	2	Pass
20MHz_High_16QAM_1@49	20.33	18.590	0.072	2	Pass
20MHz_High_16QAM_1@99	20.55	18.810	0.076	2	Pass
20MHz_High_16QAM_100@0	19.45	17.710	0.059	2	Pass
20MHz_High_16QAM_50@0	19.56	17.820	0.061	2	Pass
20MHz_High_16QAM_50@24	19.54	17.800	0.060	2	Pass
20MHz_High_16QAM_50@50	19.59	17.850	0.061	2	Pass

Note:

EIRP = Conducted Power(dBm) - L_C(dB) + G_T(dBi)

1. Ant Gain = -1.74dBi;

2. L_C = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

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B4 , Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
1.4MHz_Low_QPSK_1@0	22.09	20.090	0.102	1	Pass
1.4MHz_Low_QPSK_1@3	22.14	20.140	0.103	1	Pass
1.4MHz_Low_QPSK_1@5	22.17	20.170	0.104	1	Pass
1.4MHz_Low_QPSK_3@0	22.23	20.230	0.105	1	Pass
1.4MHz_Low_QPSK_3@1	22.27	20.270	0.106	1	Pass
1.4MHz_Low_QPSK_3@3	22.21	20.210	0.105	1	Pass
1.4MHz_Low_QPSK_6@0	21.10	19.100	0.081	1	Pass
1.4MHz_Low_16QAM_1@0	21.27	19.270	0.085	1	Pass
1.4MHz_Low_16QAM_1@3	21.20	19.200	0.083	1	Pass
1.4MHz_Low_16QAM_1@5	21.20	19.200	0.083	1	Pass
1.4MHz_Low_16QAM_3@0	21.14	19.140	0.082	1	Pass
1.4MHz_Low_16QAM_3@1	21.16	19.160	0.082	1	Pass
1.4MHz_Low_16QAM_3@3	21.15	19.150	0.082	1	Pass
1.4MHz_Low_16QAM_6@0	20.39	18.390	0.069	1	Pass
1.4MHz_Middle_QPSK_1@0	22.56	20.560	0.114	1	Pass
1.4MHz_Middle_QPSK_1@3	22.62	20.620	0.115	1	Pass
1.4MHz_Middle_QPSK_1@5	22.56	20.560	0.114	1	Pass
1.4MHz_Middle_QPSK_3@0	22.49	20.490	0.112	1	Pass
1.4MHz_Middle_QPSK_3@1	22.55	20.550	0.114	1	Pass
1.4MHz_Middle_QPSK_3@3	22.52	20.520	0.113	1	Pass
1.4MHz_Middle_QPSK_6@0	21.39	19.390	0.087	1	Pass
1.4MHz_Middle_16QAM_1@0	22.31	20.310	0.107	1	Pass
1.4MHz_Middle_16QAM_1@3	22.28	20.280	0.107	1	Pass
1.4MHz_Middle_16QAM_1@5	22.20	20.200	0.105	1	Pass
1.4MHz_Middle_16QAM_3@0	21.71	19.710	0.094	1	Pass
1.4MHz_Middle_16QAM_3@1	21.71	19.710	0.094	1	Pass
1.4MHz_Middle_16QAM_3@3	21.70	19.700	0.093	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
1.4MHz_Middle_16QAM_6@0	20.68	18.680	0.074	1	Pass
1.4MHz_High_QPSK_1@0	22.37	20.370	0.109	1	Pass
1.4MHz_High_QPSK_1@3	22.36	20.360	0.109	1	Pass
1.4MHz_High_QPSK_1@5	22.40	20.400	0.110	1	Pass
1.4MHz_High_QPSK_3@0	22.50	20.500	0.112	1	Pass
1.4MHz_High_QPSK_3@1	22.38	20.380	0.109	1	Pass
1.4MHz_High_QPSK_3@3	22.41	20.410	0.110	1	Pass
1.4MHz_High_QPSK_6@0	21.50	19.500	0.089	1	Pass
1.4MHz_High_16QAM_1@0	21.67	19.670	0.093	1	Pass
1.4MHz_High_16QAM_1@3	21.63	19.630	0.092	1	Pass
1.4MHz_High_16QAM_1@5	21.59	19.590	0.091	1	Pass
1.4MHz_High_16QAM_3@0	21.33	19.330	0.086	1	Pass
1.4MHz_High_16QAM_3@1	21.28	19.280	0.085	1	Pass
1.4MHz_High_16QAM_3@3	21.30	19.300	0.085	1	Pass
1.4MHz_High_16QAM_6@0	20.50	18.500	0.071	1	Pass
3MHz_Low_QPSK_1@0	22.37	20.370	0.109	1	Pass
3MHz_Low_QPSK_1@14	22.37	20.370	0.109	1	Pass
3MHz_Low_QPSK_1@8	22.29	20.290	0.107	1	Pass
3MHz_Low_QPSK_15@0	21.20	19.200	0.083	1	Pass
3MHz_Low_QPSK_8@0	21.15	19.150	0.082	1	Pass
3MHz_Low_QPSK_8@4	21.21	19.210	0.083	1	Pass
3MHz_Low_QPSK_8@7	21.15	19.150	0.082	1	Pass
3MHz_Low_16QAM_1@0	21.49	19.490	0.089	1	Pass
3MHz_Low_16QAM_1@14	21.50	19.500	0.089	1	Pass
3MHz_Low_16QAM_1@8	21.53	19.530	0.090	1	Pass
3MHz_Low_16QAM_15@0	20.40	18.400	0.069	1	Pass
3MHz_Low_16QAM_8@0	20.48	18.480	0.070	1	Pass
3MHz_Low_16QAM_8@4	20.43	18.430	0.070	1	Pass
3MHz_Low_16QAM_8@7	20.50	18.500	0.071	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
3MHz_Middle_QPSK_1@0	22.58	20.580	0.114	1	Pass
3MHz_Middle_QPSK_1@14	22.52	20.520	0.113	1	Pass
3MHz_Middle_QPSK_1@8	22.52	20.520	0.113	1	Pass
3MHz_Middle_QPSK_15@0	21.38	19.380	0.087	1	Pass
3MHz_Middle_QPSK_8@0	21.41	19.410	0.087	1	Pass
3MHz_Middle_QPSK_8@4	21.44	19.440	0.088	1	Pass
3MHz_Middle_QPSK_8@7	21.43	19.430	0.088	1	Pass
3MHz_Middle_16QAM_1@0	21.68	19.680	0.093	1	Pass
3MHz_Middle_16QAM_1@14	21.63	19.630	0.092	1	Pass
3MHz_Middle_16QAM_1@8	21.63	19.630	0.092	1	Pass
3MHz_Middle_16QAM_15@0	20.50	18.500	0.071	1	Pass
3MHz_Middle_16QAM_8@0	20.53	18.530	0.071	1	Pass
3MHz_Middle_16QAM_8@4	20.49	18.490	0.071	1	Pass
3MHz_Middle_16QAM_8@7	20.52	18.520	0.071	1	Pass
3MHz_High_QPSK_1@0	22.40	20.400	0.110	1	Pass
3MHz_High_QPSK_1@14	22.43	20.430	0.110	1	Pass
3MHz_High_QPSK_1@8	22.44	20.440	0.111	1	Pass
3MHz_High_QPSK_15@0	21.40	19.400	0.087	1	Pass
3MHz_High_QPSK_8@0	21.48	19.480	0.089	1	Pass
3MHz_High_QPSK_8@4	21.38	19.380	0.087	1	Pass
3MHz_High_QPSK_8@7	21.43	19.430	0.088	1	Pass
3MHz_High_16QAM_1@0	21.61	19.610	0.091	1	Pass
3MHz_High_16QAM_1@14	21.63	19.630	0.092	1	Pass
3MHz_High_16QAM_1@8	21.63	19.630	0.092	1	Pass
3MHz_High_16QAM_15@0	20.71	18.710	0.074	1	Pass
3MHz_High_16QAM_8@0	20.44	18.440	0.070	1	Pass
3MHz_High_16QAM_8@4	20.51	18.510	0.071	1	Pass
3MHz_High_16QAM_8@7	20.46	18.460	0.070	1	Pass
5MHz_Low_QPSK_1@0	22.37	20.370	0.109	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
5MHz_Low_QPSK_1@12	22.33	20.330	0.108	1	Pass
5MHz_Low_QPSK_1@24	22.36	20.360	0.109	1	Pass
5MHz_Low_QPSK_12@0	21.24	19.240	0.084	1	Pass
5MHz_Low_QPSK_12@13	21.28	19.280	0.085	1	Pass
5MHz_Low_QPSK_12@7	21.17	19.170	0.083	1	Pass
5MHz_Low_QPSK_25@0	21.25	19.250	0.084	1	Pass
5MHz_Low_16QAM_1@0	21.71	19.710	0.094	1	Pass
5MHz_Low_16QAM_1@12	21.68	19.680	0.093	1	Pass
5MHz_Low_16QAM_1@24	21.75	19.750	0.094	1	Pass
5MHz_Low_16QAM_12@0	20.26	18.260	0.067	1	Pass
5MHz_Low_16QAM_12@13	20.32	18.320	0.068	1	Pass
5MHz_Low_16QAM_12@7	20.26	18.260	0.067	1	Pass
5MHz_Low_16QAM_25@0	20.37	18.370	0.069	1	Pass
5MHz_Middle_QPSK_1@0	22.19	20.190	0.104	1	Pass
5MHz_Middle_QPSK_1@12	22.22	20.220	0.105	1	Pass
5MHz_Middle_QPSK_1@24	22.22	20.220	0.105	1	Pass
5MHz_Middle_QPSK_12@0	21.36	19.360	0.086	1	Pass
5MHz_Middle_QPSK_12@13	21.39	19.390	0.087	1	Pass
5MHz_Middle_QPSK_12@7	21.46	19.460	0.088	1	Pass
5MHz_Middle_QPSK_25@0	21.38	19.380	0.087	1	Pass
5MHz_Middle_16QAM_1@0	21.23	19.230	0.084	1	Pass
5MHz_Middle_16QAM_1@12	21.23	19.230	0.084	1	Pass
5MHz_Middle_16QAM_1@24	21.29	19.290	0.085	1	Pass
5MHz_Middle_16QAM_12@0	20.61	18.610	0.073	1	Pass
5MHz_Middle_16QAM_12@13	20.52	18.520	0.071	1	Pass
5MHz_Middle_16QAM_12@7	20.58	18.580	0.072	1	Pass
5MHz_Middle_16QAM_25@0	20.56	18.560	0.072	1	Pass
5MHz_High_QPSK_1@0	22.47	20.470	0.111	1	Pass
5MHz_High_QPSK_1@12	22.40	20.400	0.110	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
5MHz_High_QPSK_1@24	22.40	20.400	0.110	1	Pass
5MHz_High_QPSK_12@0	21.44	19.440	0.088	1	Pass
5MHz_High_QPSK_12@13	21.44	19.440	0.088	1	Pass
5MHz_High_QPSK_12@7	21.45	19.450	0.088	1	Pass
5MHz_High_QPSK_25@0	21.44	19.440	0.088	1	Pass
5MHz_High_16QAM_1@0	21.09	19.090	0.081	1	Pass
5MHz_High_16QAM_1@12	21.08	19.080	0.081	1	Pass
5MHz_High_16QAM_1@24	21.08	19.080	0.081	1	Pass
5MHz_High_16QAM_12@0	20.54	18.540	0.071	1	Pass
5MHz_High_16QAM_12@13	20.49	18.490	0.071	1	Pass
5MHz_High_16QAM_12@7	20.49	18.490	0.071	1	Pass
5MHz_High_16QAM_25@0	20.76	18.760	0.075	1	Pass
10MHz_Low_QPSK_1@0	22.33	20.330	0.108	1	Pass
10MHz_Low_QPSK_1@25	22.35	20.350	0.108	1	Pass
10MHz_Low_QPSK_1@49	22.46	20.460	0.111	1	Pass
10MHz_Low_QPSK_25@0	21.03	19.030	0.080	1	Pass
10MHz_Low_QPSK_25@12	21.13	19.130	0.082	1	Pass
10MHz_Low_QPSK_25@25	21.12	19.120	0.082	1	Pass
10MHz_Low_QPSK_50@0	21.26	19.260	0.084	1	Pass
10MHz_Low_16QAM_1@0	22.13	20.130	0.103	1	Pass
10MHz_Low_16QAM_1@25	22.13	20.130	0.103	1	Pass
10MHz_Low_16QAM_1@49	22.21	20.210	0.105	1	Pass
10MHz_Low_16QAM_25@0	20.33	18.330	0.068	1	Pass
10MHz_Low_16QAM_25@12	20.40	18.400	0.069	1	Pass
10MHz_Low_16QAM_25@25	20.38	18.380	0.069	1	Pass
10MHz_Low_16QAM_50@0	20.35	18.350	0.068	1	Pass
10MHz_Middle_QPSK_1@0	22.42	20.420	0.110	1	Pass
10MHz_Middle_QPSK_1@25	22.54	20.540	0.113	1	Pass
10MHz_Middle_QPSK_1@49	22.53	20.530	0.113	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
10MHz_Middle_QPSK_25@0	21.39	19.390	0.087	1	Pass
10MHz_Middle_QPSK_25@12	21.37	19.370	0.086	1	Pass
10MHz_Middle_QPSK_25@25	21.37	19.370	0.086	1	Pass
10MHz_Middle_QPSK_50@0	21.37	19.370	0.086	1	Pass
10MHz_Middle_16QAM_1@0	21.60	19.600	0.091	1	Pass
10MHz_Middle_16QAM_1@25	21.65	19.650	0.092	1	Pass
10MHz_Middle_16QAM_1@49	21.62	19.620	0.092	1	Pass
10MHz_Middle_16QAM_25@0	20.65	18.650	0.073	1	Pass
10MHz_Middle_16QAM_25@12	20.67	18.670	0.074	1	Pass
10MHz_Middle_16QAM_25@25	20.73	18.730	0.075	1	Pass
10MHz_Middle_16QAM_50@0	20.52	18.520	0.071	1	Pass
10MHz_High_QPSK_1@0	22.29	20.290	0.107	1	Pass
10MHz_High_QPSK_1@25	22.36	20.360	0.109	1	Pass
10MHz_High_QPSK_1@49	22.33	20.330	0.108	1	Pass
10MHz_High_QPSK_25@0	21.40	19.400	0.087	1	Pass
10MHz_High_QPSK_25@12	21.45	19.450	0.088	1	Pass
10MHz_High_QPSK_25@25	21.37	19.370	0.086	1	Pass
10MHz_High_QPSK_50@0	21.50	19.500	0.089	1	Pass
10MHz_High_16QAM_1@0	22.18	20.180	0.104	1	Pass
10MHz_High_16QAM_1@25	22.21	20.210	0.105	1	Pass
10MHz_High_16QAM_1@49	22.25	20.250	0.106	1	Pass
10MHz_High_16QAM_25@0	20.52	18.520	0.071	1	Pass
10MHz_High_16QAM_25@12	20.52	18.520	0.071	1	Pass
10MHz_High_16QAM_25@25	20.51	18.510	0.071	1	Pass
10MHz_High_16QAM_50@0	20.57	18.570	0.072	1	Pass
15MHz_Low_QPSK_1@0	22.36	20.360	0.109	1	Pass
15MHz_Low_QPSK_1@37	22.38	20.380	0.109	1	Pass
15MHz_Low_QPSK_1@74	22.55	20.550	0.114	1	Pass
15MHz_Low_QPSK_36@0	21.13	19.130	0.082	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
15MHz_Low_QPSK_36@20	21.16	19.160	0.082	1	Pass
15MHz_Low_QPSK_36@39	21.23	19.230	0.084	1	Pass
15MHz_Low_QPSK_75@0	21.24	19.240	0.084	1	Pass
15MHz_Low_16QAM_1@0	22.07	20.070	0.102	1	Pass
15MHz_Low_16QAM_1@37	22.14	20.140	0.103	1	Pass
15MHz_Low_16QAM_1@74	22.25	20.250	0.106	1	Pass
15MHz_Low_16QAM_36@0	20.36	18.360	0.069	1	Pass
15MHz_Low_16QAM_36@20	20.41	18.410	0.069	1	Pass
15MHz_Low_16QAM_36@39	20.44	18.440	0.070	1	Pass
15MHz_Low_16QAM_75@0	20.28	18.280	0.067	1	Pass
15MHz_Middle_QPSK_1@0	22.57	20.570	0.114	1	Pass
15MHz_Middle_QPSK_1@37	22.60	20.600	0.115	1	Pass
15MHz_Middle_QPSK_1@74	22.71	20.710	0.118	1	Pass
15MHz_Middle_QPSK_36@0	21.41	19.410	0.087	1	Pass
15MHz_Middle_QPSK_36@20	21.45	19.450	0.088	1	Pass
15MHz_Middle_QPSK_36@39	21.35	19.350	0.086	1	Pass
15MHz_Middle_QPSK_75@0	21.41	19.410	0.087	1	Pass
15MHz_Middle_16QAM_1@0	22.24	20.240	0.106	1	Pass
15MHz_Middle_16QAM_1@37	22.30	20.300	0.107	1	Pass
15MHz_Middle_16QAM_1@74	22.21	20.210	0.105	1	Pass
15MHz_Middle_16QAM_36@0	20.47	18.470	0.070	1	Pass
15MHz_Middle_16QAM_36@20	20.52	18.520	0.071	1	Pass
15MHz_Middle_16QAM_36@39	20.54	18.540	0.071	1	Pass
15MHz_Middle_16QAM_75@0	20.54	18.540	0.071	1	Pass
15MHz_High_QPSK_1@0	22.24	20.240	0.106	1	Pass
15MHz_High_QPSK_1@37	22.27	20.270	0.106	1	Pass
15MHz_High_QPSK_1@74	22.34	20.340	0.108	1	Pass
15MHz_High_QPSK_36@0	21.43	19.430	0.088	1	Pass
15MHz_High_QPSK_36@20	21.32	19.320	0.086	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
15MHz_High_QPSK_36@39	21.44	19.440	0.088	1	Pass
15MHz_High_QPSK_75@0	21.44	19.440	0.088	1	Pass
15MHz_High_16QAM_1@0	22.19	20.190	0.104	1	Pass
15MHz_High_16QAM_1@37	22.17	20.170	0.104	1	Pass
15MHz_High_16QAM_1@74	22.20	20.200	0.105	1	Pass
15MHz_High_16QAM_36@0	20.70	18.700	0.074	1	Pass
15MHz_High_16QAM_36@20	20.67	18.670	0.074	1	Pass
15MHz_High_16QAM_36@39	20.66	18.660	0.073	1	Pass
15MHz_High_16QAM_75@0	20.52	18.520	0.071	1	Pass
20MHz_Low_QPSK_1@0	22.13	20.130	0.103	1	Pass
20MHz_Low_QPSK_1@49	22.25	20.250	0.106	1	Pass
20MHz_Low_QPSK_1@99	22.48	20.480	0.112	1	Pass
20MHz_Low_QPSK_100@0	21.28	19.280	0.085	1	Pass
20MHz_Low_QPSK_50@0	21.12	19.120	0.082	1	Pass
20MHz_Low_QPSK_50@24	21.31	19.310	0.085	1	Pass
20MHz_Low_QPSK_50@50	21.25	19.250	0.084	1	Pass
20MHz_Low_16QAM_1@0	21.38	19.380	0.087	1	Pass
20MHz_Low_16QAM_1@49	21.47	19.470	0.089	1	Pass
20MHz_Low_16QAM_1@99	21.64	19.640	0.092	1	Pass
20MHz_Low_16QAM_100@0	20.40	18.400	0.069	1	Pass
20MHz_Low_16QAM_50@0	20.33	18.330	0.068	1	Pass
20MHz_Low_16QAM_50@24	20.45	18.450	0.070	1	Pass
20MHz_Low_16QAM_50@50	20.54	18.540	0.071	1	Pass
20MHz_Middle_QPSK_1@0	22.15	20.150	0.104	1	Pass
20MHz_Middle_QPSK_1@49	22.23	20.230	0.105	1	Pass
20MHz_Middle_QPSK_1@99	22.30	20.300	0.107	1	Pass
20MHz_Middle_QPSK_100@0	21.44	19.440	0.088	1	Pass
20MHz_Middle_QPSK_50@0	21.32	19.320	0.086	1	Pass
20MHz_Middle_QPSK_50@24	21.44	19.440	0.088	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
20MHz_Middle_QPSK_50@50	20.50	18.500	0.071	1	Pass
20MHz_Middle_16QAM_1@0	21.67	19.670	0.093	1	Pass
20MHz_Middle_16QAM_1@49	21.80	19.800	0.095	1	Pass
20MHz_Middle_16QAM_1@99	21.77	19.770	0.095	1	Pass
20MHz_Middle_16QAM_100@0	20.61	18.610	0.073	1	Pass
20MHz_Middle_16QAM_50@0	20.64	18.640	0.073	1	Pass
20MHz_Middle_16QAM_50@24	20.71	18.710	0.074	1	Pass
20MHz_Middle_16QAM_50@50	20.67	18.670	0.074	1	Pass
20MHz_High_QPSK_1@0	22.34	20.340	0.108	1	Pass
20MHz_High_QPSK_1@49	22.28	20.280	0.107	1	Pass
20MHz_High_QPSK_1@99	22.36	20.360	0.109	1	Pass
20MHz_High_QPSK_100@0	21.48	19.480	0.089	1	Pass
20MHz_High_QPSK_50@0	21.51	19.510	0.089	1	Pass
20MHz_High_QPSK_50@24	21.40	19.400	0.087	1	Pass
20MHz_High_QPSK_50@50	21.44	19.440	0.088	1	Pass
20MHz_High_16QAM_1@0	21.62	19.620	0.092	1	Pass
20MHz_High_16QAM_1@49	21.53	19.530	0.090	1	Pass
20MHz_High_16QAM_1@99	21.54	19.540	0.090	1	Pass
20MHz_High_16QAM_100@0	20.63	18.630	0.073	1	Pass
20MHz_High_16QAM_50@0	20.56	18.560	0.072	1	Pass
20MHz_High_16QAM_50@24	20.50	18.500	0.071	1	Pass
20MHz_High_16QAM_50@50	20.60	18.600	0.072	1	Pass

Note:

$$\text{EIRP} = \text{Conducted Power(dBm)} - L_C(\text{dB}) + G_T(\text{dBi})$$

1. Ant Gain = -2.0dBi;

2. L_C = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

B12 , Normal

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
1.4MHz_Low_QPSK_1@0	19.83	11.130	0.013	3	Pass
1.4MHz_Low_QPSK_1@3	19.83	11.130	0.013	3	Pass
1.4MHz_Low_QPSK_1@5	19.91	11.210	0.013	3	Pass
1.4MHz_Low_QPSK_3@0	19.83	11.130	0.013	3	Pass
1.4MHz_Low_QPSK_3@1	19.82	11.120	0.013	3	Pass
1.4MHz_Low_QPSK_3@3	19.83	11.130	0.013	3	Pass
1.4MHz_Low_QPSK_6@0	18.98	10.280	0.011	3	Pass
1.4MHz_Low_16QAM_1@0	18.87	10.170	0.010	3	Pass
1.4MHz_Low_16QAM_1@3	18.90	10.200	0.010	3	Pass
1.4MHz_Low_16QAM_1@5	18.85	10.150	0.010	3	Pass
1.4MHz_Low_16QAM_3@0	18.68	9.980	0.010	3	Pass
1.4MHz_Low_16QAM_3@1	18.67	9.970	0.010	3	Pass
1.4MHz_Low_16QAM_3@3	18.71	10.010	0.010	3	Pass
1.4MHz_Low_16QAM_6@0	18.35	9.650	0.009	3	Pass
1.4MHz_Middle_QPSK_1@0	20.14	11.440	0.014	3	Pass
1.4MHz_Middle_QPSK_1@3	19.96	11.260	0.013	3	Pass
1.4MHz_Middle_QPSK_1@5	19.97	11.270	0.013	3	Pass
1.4MHz_Middle_QPSK_3@0	19.88	11.180	0.013	3	Pass
1.4MHz_Middle_QPSK_3@1	19.90	11.200	0.013	3	Pass
1.4MHz_Middle_QPSK_3@3	19.92	11.220	0.013	3	Pass
1.4MHz_Middle_QPSK_6@0	18.92	10.220	0.011	3	Pass
1.4MHz_Middle_16QAM_1@0	19.49	10.790	0.012	3	Pass
1.4MHz_Middle_16QAM_1@3	19.58	10.880	0.012	3	Pass
1.4MHz_Middle_16QAM_1@5	19.69	10.990	0.013	3	Pass
1.4MHz_Middle_16QAM_3@0	19.17	10.470	0.011	3	Pass
1.4MHz_Middle_16QAM_3@1	19.19	10.490	0.011	3	Pass
1.4MHz_Middle_16QAM_3@3	19.19	10.490	0.011	3	Pass
1.4MHz_Middle_16QAM_6@0	18.16	9.460	0.009	3	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
1.4MHz_High_QPSK_1@0	19.80	11.100	0.013	3	Pass
1.4MHz_High_QPSK_1@3	19.93	11.230	0.013	3	Pass
1.4MHz_High_QPSK_1@5	19.99	11.290	0.013	3	Pass
1.4MHz_High_QPSK_3@0	19.93	11.230	0.013	3	Pass
1.4MHz_High_QPSK_3@1	19.95	11.250	0.013	3	Pass
1.4MHz_High_QPSK_3@3	20.00	11.300	0.013	3	Pass
1.4MHz_High_QPSK_6@0	18.88	10.180	0.010	3	Pass
1.4MHz_High_16QAM_1@0	19.32	10.620	0.012	3	Pass
1.4MHz_High_16QAM_1@3	19.12	10.420	0.011	3	Pass
1.4MHz_High_16QAM_1@5	19.09	10.390	0.011	3	Pass
1.4MHz_High_16QAM_3@0	19.07	10.370	0.011	3	Pass
1.4MHz_High_16QAM_3@1	18.97	10.270	0.011	3	Pass
1.4MHz_High_16QAM_3@3	18.93	10.230	0.011	3	Pass
1.4MHz_High_16QAM_6@0	18.27	9.570	0.009	3	Pass
3MHz_Low_QPSK_1@0	20.00	11.300	0.013	3	Pass
3MHz_Low_QPSK_1@14	20.00	11.300	0.013	3	Pass
3MHz_Low_QPSK_1@8	19.87	11.170	0.013	3	Pass
3MHz_Low_QPSK_15@0	18.88	10.180	0.010	3	Pass
3MHz_Low_QPSK_8@0	18.91	10.210	0.010	3	Pass
3MHz_Low_QPSK_8@4	18.95	10.250	0.011	3	Pass
3MHz_Low_QPSK_8@7	18.96	10.260	0.011	3	Pass
3MHz_Low_16QAM_1@0	19.11	10.410	0.011	3	Pass
3MHz_Low_16QAM_1@14	19.17	10.470	0.011	3	Pass
3MHz_Low_16QAM_1@8	19.10	10.400	0.011	3	Pass
3MHz_Low_16QAM_15@0	18.37	9.670	0.009	3	Pass
3MHz_Low_16QAM_8@0	18.47	9.770	0.009	3	Pass
3MHz_Low_16QAM_8@4	18.46	9.760	0.009	3	Pass
3MHz_Low_16QAM_8@7	18.11	9.410	0.009	3	Pass
3MHz_Middle_QPSK_1@0	20.13	11.430	0.014	3	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
3MHz_Middle_QPSK_1@14	20.02	11.320	0.014	3	Pass
3MHz_Middle_QPSK_1@8	20.06	11.360	0.014	3	Pass
3MHz_Middle_QPSK_15@0	18.94	10.240	0.011	3	Pass
3MHz_Middle_QPSK_8@0	19.01	10.310	0.011	3	Pass
3MHz_Middle_QPSK_8@4	18.84	10.140	0.010	3	Pass
3MHz_Middle_QPSK_8@7	19.01	10.310	0.011	3	Pass
3MHz_Middle_16QAM_1@0	19.42	10.720	0.012	3	Pass
3MHz_Middle_16QAM_1@14	19.54	10.840	0.012	3	Pass
3MHz_Middle_16QAM_1@8	19.46	10.760	0.012	3	Pass
3MHz_Middle_16QAM_15@0	17.93	9.230	0.008	3	Pass
3MHz_Middle_16QAM_8@0	18.23	9.530	0.009	3	Pass
3MHz_Middle_16QAM_8@4	17.94	9.240	0.008	3	Pass
3MHz_Middle_16QAM_8@7	17.93	9.230	0.008	3	Pass
3MHz_High_QPSK_1@0	19.87	11.170	0.013	3	Pass
3MHz_High_QPSK_1@14	19.66	10.960	0.012	3	Pass
3MHz_High_QPSK_1@8	19.80	11.100	0.013	3	Pass
3MHz_High_QPSK_15@0	19.09	10.390	0.011	3	Pass
3MHz_High_QPSK_8@0	19.06	10.360	0.011	3	Pass
3MHz_High_QPSK_8@4	18.97	10.270	0.011	3	Pass
3MHz_High_QPSK_8@7	18.92	10.220	0.011	3	Pass
3MHz_High_16QAM_1@0	19.66	10.960	0.012	3	Pass
3MHz_High_16QAM_1@14	19.54	10.840	0.012	3	Pass
3MHz_High_16QAM_1@8	19.59	10.890	0.012	3	Pass
3MHz_High_16QAM_15@0	18.19	9.490	0.009	3	Pass
3MHz_High_16QAM_8@0	17.88	9.180	0.008	3	Pass
3MHz_High_16QAM_8@4	17.91	9.210	0.008	3	Pass
3MHz_High_16QAM_8@7	18.13	9.430	0.009	3	Pass
5MHz_Low_QPSK_1@0	19.82	11.120	0.013	3	Pass
5MHz_Low_QPSK_1@12	19.90	11.200	0.013	3	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
5MHz_Low_QPSK_1@24	19.91	11.210	0.013	3	Pass
5MHz_Low_QPSK_12@0	18.76	10.060	0.010	3	Pass
5MHz_Low_QPSK_12@13	18.90	10.200	0.010	3	Pass
5MHz_Low_QPSK_12@7	18.91	10.210	0.010	3	Pass
5MHz_Low_QPSK_25@0	18.95	10.250	0.011	3	Pass
5MHz_Low_16QAM_1@0	19.15	10.450	0.011	3	Pass
5MHz_Low_16QAM_1@12	19.24	10.540	0.011	3	Pass
5MHz_Low_16QAM_1@24	19.11	10.410	0.011	3	Pass
5MHz_Low_16QAM_12@0	18.23	9.530	0.009	3	Pass
5MHz_Low_16QAM_12@13	17.89	9.190	0.008	3	Pass
5MHz_Low_16QAM_12@7	17.87	9.170	0.008	3	Pass
5MHz_Low_16QAM_25@0	18.01	9.310	0.009	3	Pass
5MHz_Middle_QPSK_1@0	19.74	11.040	0.013	3	Pass
5MHz_Middle_QPSK_1@12	19.66	10.960	0.012	3	Pass
5MHz_Middle_QPSK_1@24	19.69	10.990	0.013	3	Pass
5MHz_Middle_QPSK_12@0	18.98	10.280	0.011	3	Pass
5MHz_Middle_QPSK_12@13	19.07	10.370	0.011	3	Pass
5MHz_Middle_QPSK_12@7	18.97	10.270	0.011	3	Pass
5MHz_Middle_QPSK_25@0	19.07	10.370	0.011	3	Pass
5MHz_Middle_16QAM_1@0	18.93	10.230	0.011	3	Pass
5MHz_Middle_16QAM_1@12	18.80	10.100	0.010	3	Pass
5MHz_Middle_16QAM_1@24	19.06	10.360	0.011	3	Pass
5MHz_Middle_16QAM_12@0	18.30	9.600	0.009	3	Pass
5MHz_Middle_16QAM_12@13	18.05	9.350	0.009	3	Pass
5MHz_Middle_16QAM_12@7	18.07	9.370	0.009	3	Pass
5MHz_Middle_16QAM_25@0	18.08	9.380	0.009	3	Pass
5MHz_High_QPSK_1@0	19.74	11.040	0.013	3	Pass
5MHz_High_QPSK_1@12	19.70	11.000	0.013	3	Pass
5MHz_High_QPSK_1@24	19.71	11.010	0.013	3	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
5MHz_High_QPSK_12@0	18.80	10.100	0.010	3	Pass
5MHz_High_QPSK_12@13	18.84	10.140	0.010	3	Pass
5MHz_High_QPSK_12@7	18.91	10.210	0.010	3	Pass
5MHz_High_QPSK_25@0	18.95	10.250	0.011	3	Pass
5MHz_High_16QAM_1@0	18.43	9.730	0.009	3	Pass
5MHz_High_16QAM_1@12	18.56	9.860	0.010	3	Pass
5MHz_High_16QAM_1@24	18.36	9.660	0.009	3	Pass
5MHz_High_16QAM_12@0	18.20	9.500	0.009	3	Pass
5MHz_High_16QAM_12@13	17.87	9.170	0.008	3	Pass
5MHz_High_16QAM_12@7	17.86	9.160	0.008	3	Pass
5MHz_High_16QAM_25@0	18.11	9.410	0.009	3	Pass
10MHz_Low_QPSK_1@0	20.00	11.300	0.013	3	Pass
10MHz_Low_QPSK_1@25	20.01	11.310	0.014	3	Pass
10MHz_Low_QPSK_1@49	20.01	11.310	0.014	3	Pass
10MHz_Low_QPSK_25@0	19.00	10.300	0.011	3	Pass
10MHz_Low_QPSK_25@12	18.91	10.210	0.010	3	Pass
10MHz_Low_QPSK_25@25	18.95	10.250	0.011	3	Pass
10MHz_Low_QPSK_50@0	18.90	10.200	0.010	3	Pass
10MHz_Low_16QAM_1@0	19.72	11.020	0.013	3	Pass
10MHz_Low_16QAM_1@25	19.66	10.960	0.012	3	Pass
10MHz_Low_16QAM_1@49	19.71	11.010	0.013	3	Pass
10MHz_Low_16QAM_25@0	18.12	9.420	0.009	3	Pass
10MHz_Low_16QAM_25@12	18.15	9.450	0.009	3	Pass
10MHz_Low_16QAM_25@25	18.42	9.720	0.009	3	Pass
10MHz_Low_16QAM_50@0	18.13	9.430	0.009	3	Pass
10MHz_Middle_QPSK_1@0	20.05	11.350	0.014	3	Pass
10MHz_Middle_QPSK_1@25	19.94	11.240	0.013	3	Pass
10MHz_Middle_QPSK_1@49	20.02	11.320	0.014	3	Pass
10MHz_Middle_QPSK_25@0	18.87	10.170	0.010	3	Pass

Mode	Conducted Power (dBm)	ERP (dBm)	ERP (W)	Limit (W)	Result
10MHz_Middle_QPSK_25@12	19.00	10.300	0.011	3	Pass
10MHz_Middle_QPSK_25@25	19.24	10.540	0.011	3	Pass
10MHz_Middle_QPSK_50@0	18.89	10.190	0.010	3	Pass
10MHz_Middle_16QAM_1@0	19.59	10.890	0.012	3	Pass
10MHz_Middle_16QAM_1@25	19.55	10.850	0.012	3	Pass
10MHz_Middle_16QAM_1@49	19.70	11.000	0.013	3	Pass
10MHz_Middle_16QAM_25@0	18.38	9.680	0.009	3	Pass
10MHz_Middle_16QAM_25@12	18.19	9.490	0.009	3	Pass
10MHz_Middle_16QAM_25@25	18.45	9.750	0.009	3	Pass
10MHz_Middle_16QAM_50@0	18.04	9.340	0.009	3	Pass
10MHz_High_QPSK_1@0	20.05	11.350	0.014	3	Pass
10MHz_High_QPSK_1@25	20.00	11.300	0.013	3	Pass
10MHz_High_QPSK_1@49	19.98	11.280	0.013	3	Pass
10MHz_High_QPSK_25@0	19.05	10.350	0.011	3	Pass
10MHz_High_QPSK_25@12	19.17	10.470	0.011	3	Pass
10MHz_High_QPSK_25@25	19.07	10.370	0.011	3	Pass
10MHz_High_QPSK_50@0	19.21	10.510	0.011	3	Pass
10MHz_High_16QAM_1@0	19.52	10.820	0.012	3	Pass
10MHz_High_16QAM_1@25	19.88	11.180	0.013	3	Pass
10MHz_High_16QAM_1@49	19.49	10.790	0.012	3	Pass
10MHz_High_16QAM_25@0	17.95	9.250	0.008	3	Pass
10MHz_High_16QAM_25@12	18.18	9.480	0.009	3	Pass
10MHz_High_16QAM_25@25	18.03	9.330	0.009	3	Pass
10MHz_High_16QAM_50@0	18.33	9.630	0.009	3	Pass

Note:

ERP = Conducted Power(dBm) - L_C(dB) + G_T(dBd)

G_T(dBd) = G_T(dBi) - 2.15

12:

1. Ant Gain = -6.55dBi;

2. L_C = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

B66 , Normal

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
1.4MHz_Low_QPSK_1@0	22.33	20.330	0.108	1	Pass
1.4MHz_Low_QPSK_1@3	22.60	20.600	0.115	1	Pass
1.4MHz_Low_QPSK_1@5	22.62	20.620	0.115	1	Pass
1.4MHz_Low_QPSK_3@0	22.40	20.400	0.110	1	Pass
1.4MHz_Low_QPSK_3@1	22.35	20.350	0.108	1	Pass
1.4MHz_Low_QPSK_3@3	22.44	20.440	0.111	1	Pass
1.4MHz_Low_QPSK_6@0	21.47	19.470	0.089	1	Pass
1.4MHz_Low_16QAM_1@0	22.29	20.290	0.107	1	Pass
1.4MHz_Low_16QAM_1@3	22.63	20.630	0.116	1	Pass
1.4MHz_Low_16QAM_1@5	21.68	19.680	0.093	1	Pass
1.4MHz_Low_16QAM_3@0	21.79	19.790	0.095	1	Pass
1.4MHz_Low_16QAM_3@1	21.81	19.810	0.096	1	Pass
1.4MHz_Low_16QAM_3@3	21.45	19.450	0.088	1	Pass
1.4MHz_Low_16QAM_6@0	20.51	18.510	0.071	1	Pass
1.4MHz_Middle_QPSK_1@0	22.41	20.410	0.110	1	Pass
1.4MHz_Middle_QPSK_1@3	22.38	20.380	0.109	1	Pass
1.4MHz_Middle_QPSK_1@5	22.44	20.440	0.111	1	Pass
1.4MHz_Middle_QPSK_3@0	22.43	20.430	0.110	1	Pass
1.4MHz_Middle_QPSK_3@1	22.46	20.460	0.111	1	Pass
1.4MHz_Middle_QPSK_3@3	22.46	20.460	0.111	1	Pass
1.4MHz_Middle_QPSK_6@0	21.50	19.500	0.089	1	Pass
1.4MHz_Middle_16QAM_1@0	21.86	19.860	0.097	1	Pass
1.4MHz_Middle_16QAM_1@3	21.81	19.810	0.096	1	Pass
1.4MHz_Middle_16QAM_1@5	21.94	19.940	0.099	1	Pass
1.4MHz_Middle_16QAM_3@0	21.50	19.500	0.089	1	Pass
1.4MHz_Middle_16QAM_3@1	21.51	19.510	0.089	1	Pass
1.4MHz_Middle_16QAM_3@3	21.46	19.460	0.088	1	Pass
1.4MHz_Middle_16QAM_6@0	20.51	18.510	0.071	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
1.4MHz_High_QPSK_1@0	22.55	20.55	0.114	1	Pass
1.4MHz_High_QPSK_1@3	22.62	20.620	0.115	1	Pass
1.4MHz_High_QPSK_1@5	22.71	20.710	0.118	1	Pass
1.4MHz_High_QPSK_3@0	22.42	20.420	0.110	1	Pass
1.4MHz_High_QPSK_3@1	22.51	20.510	0.112	1	Pass
1.4MHz_High_QPSK_3@3	22.40	20.400	0.110	1	Pass
1.4MHz_High_QPSK_6@0	21.40	19.400	0.087	1	Pass
1.4MHz_High_16QAM_1@0	21.71	19.710	0.094	1	Pass
1.4MHz_High_16QAM_1@3	22.63	20.630	0.116	1	Pass
1.4MHz_High_16QAM_1@5	22.06	20.060	0.101	1	Pass
1.4MHz_High_16QAM_3@0	22.38	20.380	0.109	1	Pass
1.4MHz_High_16QAM_3@1	22.48	20.480	0.112	1	Pass
1.4MHz_High_16QAM_3@3	22.40	20.400	0.110	1	Pass
1.4MHz_High_16QAM_6@0	20.89	18.890	0.077	1	Pass
3MHz_Low_QPSK_1@0	22.61	20.610	0.115	1	Pass
3MHz_Low_QPSK_1@14	22.64	20.640	0.116	1	Pass
3MHz_Low_QPSK_1@8	22.62	20.620	0.115	1	Pass
3MHz_Low_QPSK_15@0	21.35	19.350	0.086	1	Pass
3MHz_Low_QPSK_8@0	21.49	19.490	0.089	1	Pass
3MHz_Low_QPSK_8@4	21.52	19.520	0.090	1	Pass
3MHz_Low_QPSK_8@7	21.45	19.450	0.088	1	Pass
3MHz_Low_16QAM_1@0	22.25	20.250	0.106	1	Pass
3MHz_Low_16QAM_1@14	22.25	20.250	0.106	1	Pass
3MHz_Low_16QAM_1@8	22.25	20.250	0.106	1	Pass
3MHz_Low_16QAM_15@0	20.74	18.740	0.075	1	Pass
3MHz_Low_16QAM_8@0	20.51	18.510	0.071	1	Pass
3MHz_Low_16QAM_8@4	20.51	18.510	0.071	1	Pass
3MHz_Low_16QAM_8@7	20.51	18.510	0.071	1	Pass
3MHz_Middle_QPSK_1@0	22.48	20.480	0.112	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
3MHz_Middle_QPSK_1@14	22.39	20.390	0.109	1	Pass
3MHz_Middle_QPSK_1@8	22.46	20.460	0.111	1	Pass
3MHz_Middle_QPSK_15@0	21.46	19.460	0.088	1	Pass
3MHz_Middle_QPSK_8@0	21.51	19.510	0.089	1	Pass
3MHz_Middle_QPSK_8@4	21.45	19.450	0.088	1	Pass
3MHz_Middle_QPSK_8@7	21.50	19.500	0.089	1	Pass
3MHz_Middle_16QAM_1@0	22.41	20.410	0.110	1	Pass
3MHz_Middle_16QAM_1@14	22.46	20.460	0.111	1	Pass
3MHz_Middle_16QAM_1@8	22.43	20.430	0.110	1	Pass
3MHz_Middle_16QAM_15@0	20.73	18.730	0.075	1	Pass
3MHz_Middle_16QAM_8@0	20.85	18.850	0.077	1	Pass
3MHz_Middle_16QAM_8@4	20.84	18.840	0.077	1	Pass
3MHz_Middle_16QAM_8@7	20.82	18.820	0.076	1	Pass
3MHz_High_QPSK_1@0	22.61	20.610	0.115	1	Pass
3MHz_High_QPSK_1@14	22.54	20.540	0.113	1	Pass
3MHz_High_QPSK_1@8	22.53	20.530	0.113	1	Pass
3MHz_High_QPSK_15@0	21.44	19.440	0.088	1	Pass
3MHz_High_QPSK_8@0	21.43	19.430	0.088	1	Pass
3MHz_High_QPSK_8@4	21.48	19.480	0.089	1	Pass
3MHz_High_QPSK_8@7	21.45	19.450	0.088	1	Pass
3MHz_High_16QAM_1@0	21.74	19.740	0.094	1	Pass
3MHz_High_16QAM_1@14	21.75	19.750	0.094	1	Pass
3MHz_High_16QAM_1@8	21.80	19.800	0.095	1	Pass
3MHz_High_16QAM_15@0	20.60	18.600	0.072	1	Pass
3MHz_High_16QAM_8@0	20.64	18.640	0.073	1	Pass
3MHz_High_16QAM_8@4	20.62	18.620	0.073	1	Pass
3MHz_High_16QAM_8@7	20.63	18.630	0.073	1	Pass
5MHz_Low_QPSK_1@0	22.62	20.620	0.115	1	Pass
5MHz_Low_QPSK_1@12	22.62	20.620	0.115	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
5MHz_Low_QPSK_1@24	22.60	20.600	0.115	1	Pass
5MHz_Low_QPSK_12@0	21.51	19.510	0.089	1	Pass
5MHz_Low_QPSK_12@13	21.44	19.440	0.088	1	Pass
5MHz_Low_QPSK_12@7	21.48	19.480	0.089	1	Pass
5MHz_Low_QPSK_25@0	21.46	19.460	0.088	1	Pass
5MHz_Low_16QAM_1@0	21.60	19.600	0.091	1	Pass
5MHz_Low_16QAM_1@12	21.53	19.530	0.090	1	Pass
5MHz_Low_16QAM_1@24	21.60	19.600	0.091	1	Pass
5MHz_Low_16QAM_12@0	20.57	18.570	0.072	1	Pass
5MHz_Low_16QAM_12@13	20.61	18.610	0.073	1	Pass
5MHz_Low_16QAM_12@7	20.58	18.580	0.072	1	Pass
5MHz_Low_16QAM_25@0	20.78	18.780	0.076	1	Pass
5MHz_Middle_QPSK_1@0	22.33	20.330	0.108	1	Pass
5MHz_Middle_QPSK_1@12	22.28	20.280	0.107	1	Pass
5MHz_Middle_QPSK_1@24	22.25	20.250	0.106	1	Pass
5MHz_Middle_QPSK_12@0	21.49	19.490	0.089	1	Pass
5MHz_Middle_QPSK_12@13	21.53	19.530	0.090	1	Pass
5MHz_Middle_QPSK_12@7	21.49	19.490	0.089	1	Pass
5MHz_Middle_QPSK_25@0	21.37	19.370	0.086	1	Pass
5MHz_Middle_16QAM_1@0	21.34	19.340	0.086	1	Pass
5MHz_Middle_16QAM_1@12	21.34	19.340	0.086	1	Pass
5MHz_Middle_16QAM_1@24	21.32	19.320	0.086	1	Pass
5MHz_Middle_16QAM_12@0	20.65	18.650	0.073	1	Pass
5MHz_Middle_16QAM_12@13	20.62	18.620	0.073	1	Pass
5MHz_Middle_16QAM_12@7	20.62	18.620	0.073	1	Pass
5MHz_Middle_16QAM_25@0	20.62	18.620	0.073	1	Pass
5MHz_High_QPSK_1@0	22.33	20.330	0.108	1	Pass
5MHz_High_QPSK_1@12	22.35	20.350	0.108	1	Pass
5MHz_High_QPSK_1@24	22.38	20.380	0.109	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
5MHz_High_QPSK_12@0	21.46	19.460	0.088	1	Pass
5MHz_High_QPSK_12@13	21.56	19.560	0.090	1	Pass
5MHz_High_QPSK_12@7	21.48	19.480	0.089	1	Pass
5MHz_High_QPSK_25@0	21.54	19.540	0.090	1	Pass
5MHz_High_16QAM_1@0	21.15	19.150	0.082	1	Pass
5MHz_High_16QAM_1@12	21.15	19.150	0.082	1	Pass
5MHz_High_16QAM_1@24	21.16	19.160	0.082	1	Pass
5MHz_High_16QAM_12@0	20.65	18.650	0.073	1	Pass
5MHz_High_16QAM_12@13	20.65	18.650	0.073	1	Pass
5MHz_High_16QAM_12@7	20.66	18.660	0.073	1	Pass
5MHz_High_16QAM_25@0	20.82	18.820	0.076	1	Pass
10MHz_Low_QPSK_1@0	22.68	20.680	0.117	1	Pass
10MHz_Low_QPSK_1@25	22.71	20.710	0.118	1	Pass
10MHz_Low_QPSK_1@49	22.75	20.750	0.119	1	Pass
10MHz_Low_QPSK_25@0	21.54	19.540	0.090	1	Pass
10MHz_Low_QPSK_25@12	21.52	19.520	0.090	1	Pass
10MHz_Low_QPSK_25@25	21.50	19.500	0.089	1	Pass
10MHz_Low_QPSK_50@0	21.53	19.530	0.090	1	Pass
10MHz_Low_16QAM_1@0	22.39	20.390	0.109	1	Pass
10MHz_Low_16QAM_1@25	22.43	20.430	0.110	1	Pass
10MHz_Low_16QAM_1@49	22.39	20.390	0.109	1	Pass
10MHz_Low_16QAM_25@0	20.65	18.650	0.073	1	Pass
10MHz_Low_16QAM_25@12	20.74	18.740	0.075	1	Pass
10MHz_Low_16QAM_25@25	20.76	18.760	0.075	1	Pass
10MHz_Low_16QAM_50@0	20.65	18.650	0.073	1	Pass
10MHz_Middle_QPSK_1@0	22.46	20.460	0.111	1	Pass
10MHz_Middle_QPSK_1@25	22.45	20.450	0.111	1	Pass
10MHz_Middle_QPSK_1@49	22.47	20.470	0.111	1	Pass
10MHz_Middle_QPSK_25@0	21.52	19.520	0.090	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
10MHz_Middle_QPSK_25@12	21.50	19.500	0.089	1	Pass
10MHz_Middle_QPSK_25@25	21.41	19.410	0.087	1	Pass
10MHz_Middle_QPSK_50@0	21.45	19.450	0.088	1	Pass
10MHz_Middle_16QAM_1@0	22.52	20.520	0.113	1	Pass
10MHz_Middle_16QAM_1@25	22.46	20.460	0.111	1	Pass
10MHz_Middle_16QAM_1@49	22.48	20.480	0.112	1	Pass
10MHz_Middle_16QAM_25@0	20.74	18.740	0.075	1	Pass
10MHz_Middle_16QAM_25@12	20.75	18.750	0.075	1	Pass
10MHz_Middle_16QAM_25@25	20.70	18.700	0.074	1	Pass
10MHz_Middle_16QAM_50@0	20.65	18.650	0.073	1	Pass
10MHz_High_QPSK_1@0	22.75	20.750	0.119	1	Pass
10MHz_High_QPSK_1@25	22.60	20.600	0.115	1	Pass
10MHz_High_QPSK_1@49	22.65	20.650	0.116	1	Pass
10MHz_High_QPSK_25@0	21.48	19.480	0.089	1	Pass
10MHz_High_QPSK_25@12	21.58	19.580	0.091	1	Pass
10MHz_High_QPSK_25@25	21.62	19.620	0.092	1	Pass
10MHz_High_QPSK_50@0	21.58	19.580	0.091	1	Pass
10MHz_High_16QAM_1@0	22.27	20.270	0.106	1	Pass
10MHz_High_16QAM_1@25	22.22	20.220	0.105	1	Pass
10MHz_High_16QAM_1@49	22.23	20.230	0.105	1	Pass
10MHz_High_16QAM_25@0	20.61	18.610	0.073	1	Pass
10MHz_High_16QAM_25@12	20.67	18.670	0.074	1	Pass
10MHz_High_16QAM_25@25	20.59	18.590	0.072	1	Pass
10MHz_High_16QAM_50@0	20.63	18.630	0.073	1	Pass
15MHz_Low_QPSK_1@0	22.66	20.660	0.116	1	Pass
15MHz_Low_QPSK_1@37	22.75	20.750	0.119	1	Pass
15MHz_Low_QPSK_1@74	22.70	20.700	0.117	1	Pass
15MHz_Low_QPSK_36@0	21.49	19.490	0.089	1	Pass
15MHz_Low_QPSK_36@20	21.43	19.430	0.088	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
15MHz_Low_QPSK_36@39	21.49	19.490	0.089	1	Pass
15MHz_Low_QPSK_75@0	21.48	19.480	0.089	1	Pass
15MHz_Low_16QAM_1@0	22.41	20.410	0.110	1	Pass
15MHz_Low_16QAM_1@37	22.41	20.410	0.110	1	Pass
15MHz_Low_16QAM_1@74	22.45	20.450	0.111	1	Pass
15MHz_Low_16QAM_36@0	20.67	18.670	0.074	1	Pass
15MHz_Low_16QAM_36@20	20.69	18.690	0.074	1	Pass
15MHz_Low_16QAM_36@39	20.64	18.640	0.073	1	Pass
15MHz_Low_16QAM_75@0	20.65	18.650	0.073	1	Pass
15MHz_Middle_QPSK_1@0	22.52	20.520	0.113	1	Pass
15MHz_Middle_QPSK_1@37	22.43	20.430	0.110	1	Pass
15MHz_Middle_QPSK_1@74	22.46	20.460	0.111	1	Pass
15MHz_Middle_QPSK_36@0	21.46	19.460	0.088	1	Pass
15MHz_Middle_QPSK_36@20	21.43	19.430	0.088	1	Pass
15MHz_Middle_QPSK_36@39	21.51	19.510	0.089	1	Pass
15MHz_Middle_QPSK_75@0	21.41	19.410	0.087	1	Pass
15MHz_Middle_16QAM_1@0	22.35	20.350	0.108	1	Pass
15MHz_Middle_16QAM_1@37	22.21	20.210	0.105	1	Pass
15MHz_Middle_16QAM_1@74	22.21	20.210	0.105	1	Pass
15MHz_Middle_16QAM_36@0	20.66	18.660	0.073	1	Pass
15MHz_Middle_16QAM_36@20	20.64	18.640	0.073	1	Pass
15MHz_Middle_16QAM_36@39	20.66	18.660	0.073	1	Pass
15MHz_Middle_16QAM_75@0	20.61	18.610	0.073	1	Pass
15MHz_High_QPSK_1@0	22.81	20.810	0.121	1	Pass
15MHz_High_QPSK_1@37	22.83	20.830	0.121	1	Pass
15MHz_High_QPSK_1@74	22.63	20.630	0.116	1	Pass
15MHz_High_QPSK_36@0	21.48	19.480	0.089	1	Pass
15MHz_High_QPSK_36@20	21.55	19.550	0.090	1	Pass
15MHz_High_QPSK_36@39	21.50	19.500	0.089	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
15MHz_High_QPSK_75@0	21.57	19.570	0.091	1	Pass
15MHz_High_16QAM_1@0	22.24	20.240	0.106	1	Pass
15MHz_High_16QAM_1@37	22.23	20.230	0.105	1	Pass
15MHz_High_16QAM_1@74	22.19	20.190	0.104	1	Pass
15MHz_High_16QAM_36@0	20.74	18.740	0.075	1	Pass
15MHz_High_16QAM_36@20	20.73	18.730	0.075	1	Pass
15MHz_High_16QAM_36@39	20.70	18.700	0.074	1	Pass
15MHz_High_16QAM_75@0	20.70	18.700	0.074	1	Pass
20MHz_Low_QPSK_1@0	22.51	20.510	0.112	1	Pass
20MHz_Low_QPSK_1@49	22.55	20.550	0.114	1	Pass
20MHz_Low_QPSK_1@99	22.55	20.550	0.114	1	Pass
20MHz_Low_QPSK_100@0	21.54	19.540	0.090	1	Pass
20MHz_Low_QPSK_50@0	21.59	19.590	0.091	1	Pass
20MHz_Low_QPSK_50@24	21.58	19.580	0.091	1	Pass
20MHz_Low_QPSK_50@50	21.47	19.470	0.089	1	Pass
20MHz_Low_16QAM_1@0	21.79	19.790	0.095	1	Pass
20MHz_Low_16QAM_1@49	21.82	19.820	0.096	1	Pass
20MHz_Low_16QAM_1@99	21.79	19.790	0.095	1	Pass
20MHz_Low_16QAM_100@0	20.70	18.700	0.074	1	Pass
20MHz_Low_16QAM_50@0	20.74	18.740	0.075	1	Pass
20MHz_Low_16QAM_50@24	20.69	18.690	0.074	1	Pass
20MHz_Low_16QAM_50@50	20.70	18.700	0.074	1	Pass
20MHz_Middle_QPSK_1@0	22.32	20.320	0.108	1	Pass
20MHz_Middle_QPSK_1@49	22.29	20.290	0.107	1	Pass
20MHz_Middle_QPSK_1@99	22.36	20.360	0.109	1	Pass
20MHz_Middle_QPSK_100@0	21.53	19.530	0.090	1	Pass
20MHz_Middle_QPSK_50@0	21.46	19.460	0.088	1	Pass
20MHz_Middle_QPSK_50@24	21.42	19.420	0.087	1	Pass
20MHz_Middle_QPSK_50@50	21.42	19.420	0.087	1	Pass

Mode	Conducted Power (dBm)	EIRP (dBm)	EIRP (W)	Limit (W)	Result
20MHz_Middle_16QAM_1@0	21.89	19.890	0.097	1	Pass
20MHz_Middle_16QAM_1@49	21.84	19.840	0.096	1	Pass
20MHz_Middle_16QAM_1@99	21.90	19.900	0.098	1	Pass
20MHz_Middle_16QAM_100@0	20.64	18.640	0.073	1	Pass
20MHz_Middle_16QAM_50@0	20.63	18.630	0.073	1	Pass
20MHz_Middle_16QAM_50@24	20.73	18.730	0.075	1	Pass
20MHz_Middle_16QAM_50@50	20.62	18.620	0.073	1	Pass
20MHz_High_QPSK_1@0	22.59	20.590	0.115	1	Pass
20MHz_High_QPSK_1@49	22.55	20.550	0.114	1	Pass
20MHz_High_QPSK_1@99	22.56	20.560	0.114	1	Pass
20MHz_High_QPSK_100@0	21.56	19.560	0.090	1	Pass
20MHz_High_QPSK_50@0	21.46	19.460	0.088	1	Pass
20MHz_High_QPSK_50@24	21.43	19.430	0.088	1	Pass
20MHz_High_QPSK_50@50	21.50	19.500	0.089	1	Pass
20MHz_High_16QAM_1@0	21.79	19.790	0.095	1	Pass
20MHz_High_16QAM_1@49	21.84	19.840	0.096	1	Pass
20MHz_High_16QAM_1@99	21.95	19.950	0.099	1	Pass
20MHz_High_16QAM_100@0	20.58	18.580	0.072	1	Pass
20MHz_High_16QAM_50@0	20.64	18.640	0.073	1	Pass
20MHz_High_16QAM_50@24	20.62	18.620	0.073	1	Pass
20MHz_High_16QAM_50@50	20.61	18.610	0.073	1	Pass

Note:

EIRP = Conducted Power(dBm) - L_C(dB) + G_T(dBd)

66:

1.Ant Gain = -2.0dBi;

2.C_L = signal attenuation in the connecting cable between the transmitter and antenna in 0dB

3.3.2 Peak-to-average ratio (PAR)

GSM850

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
GSM	6.53	7.15	6.52	13	Pass

GSM1900

Modulation	Low channel (dB)	Middle channel (dB)	High channel (dB)	PAR Limit (dB)	Result
GSM	7.45	6.8	8.28	13	Pass

For LTE mode, please refer to the Appendix A.

3.3.3 26dB and 99% Bandwidth

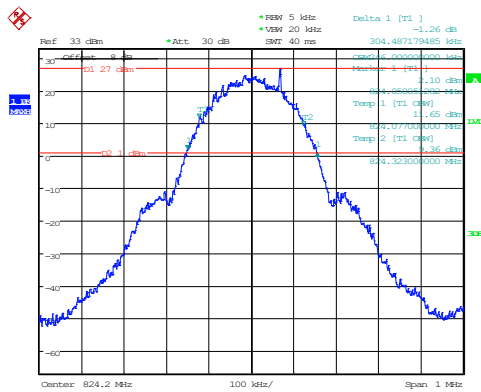
FCC Part 22H

GSM850

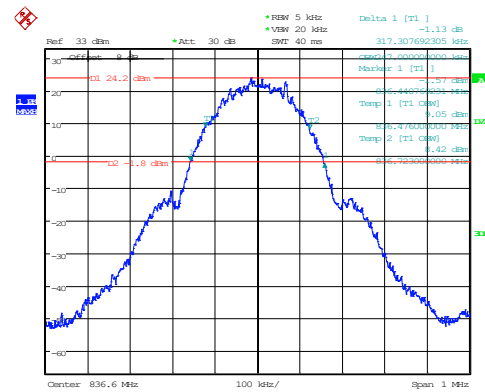
Mode	99% OBW (MHz)	EBW (MHz)
GSM_Low	0.246	0.304
GSM_Middle	0.247	0.317
GSM_High	0.245	0.311

GSM850, Normal

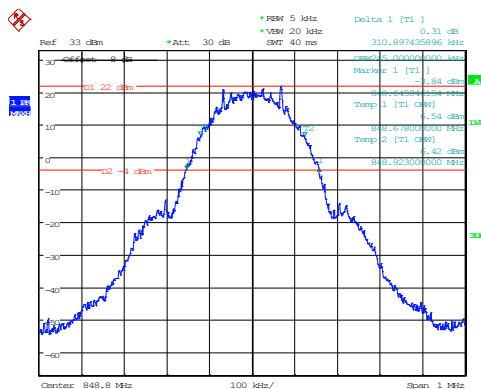
Low



Middle



High



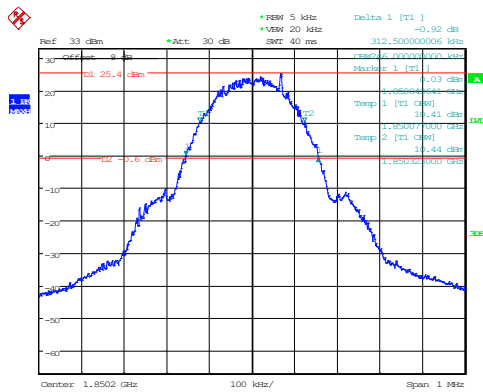
FCC Part 24E

GSM1900

Mode	99% OBW (MHz)	EBW (MHz)
GSM_Low	0.246	0.313
GSM_Middle	0.244	0.321
GSM_High	0.246	0.315

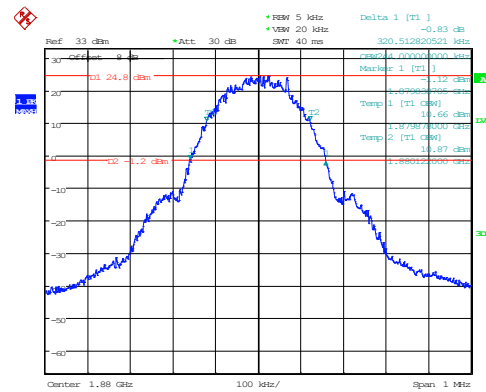
GSM1900, Normal

Low



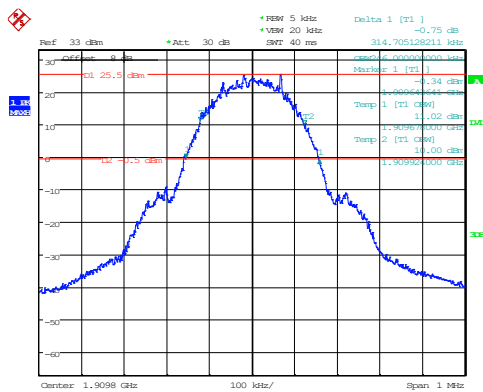
ProjectNo.:2405V58287E-RF Tester:Ryan Zhang
Date: 30.JUL.2024 10:46:10

Middle



ProjectNo.:2405V58287E-RF Tester:Ryan Zhang
Date: 30.JUL.2024 10:43:08

High



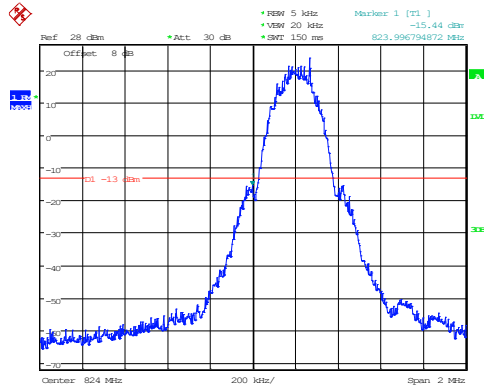
ProjectNo.:2405V58287E-RF Tester:Ryan Zhang
Date: 30.JUL.2024 10:41:43

For LTE mode, please refer to the Appendix B.

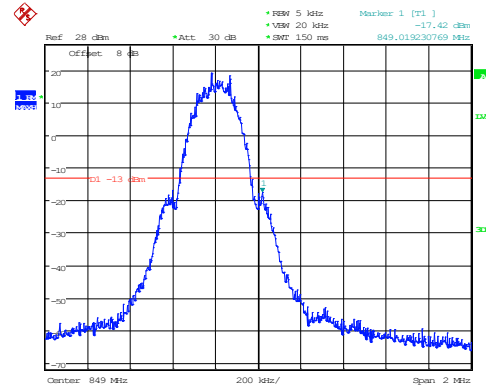
3.3.4 Out of band emission, Band Edge

GSM850

Low

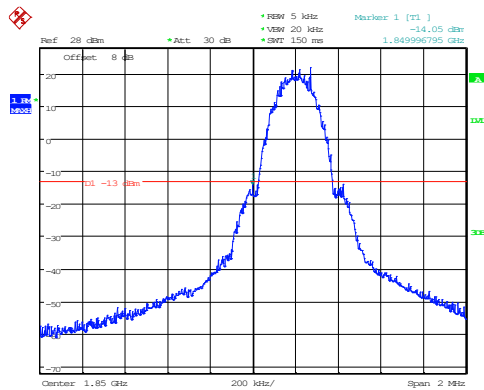


High

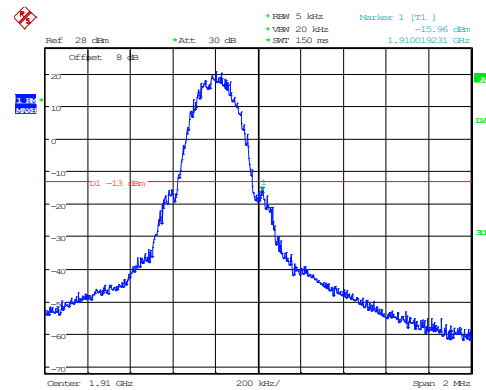


GSM1900

Low



High

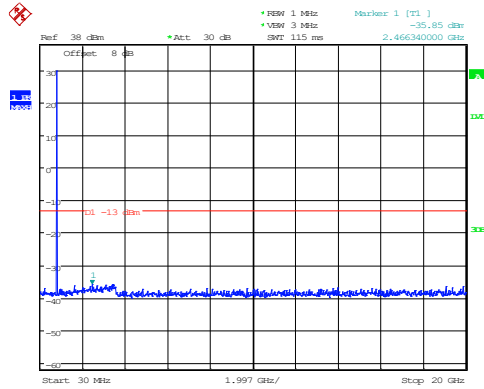


For LTE mode, please refer to the Appendix C.

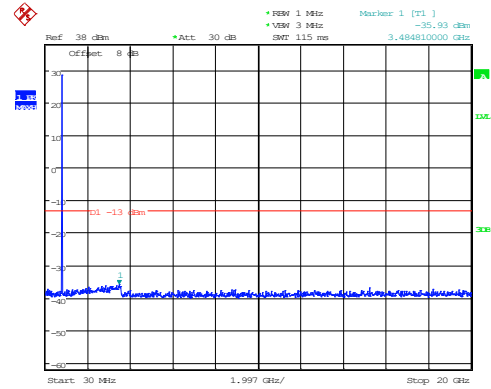
3.3.5 Spurious Emissions at Antenna Terminal

GSM850 , Normal

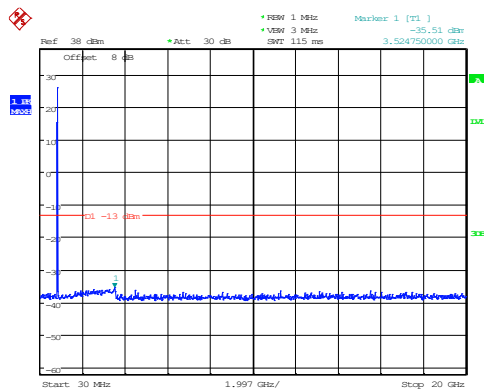
Low



Middle

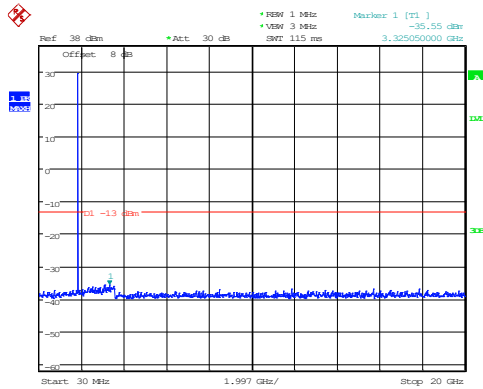


High



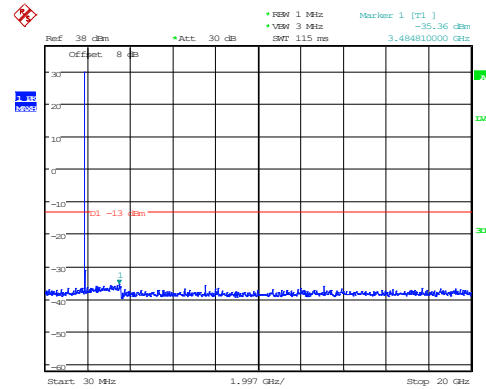
GSM1900 , Normal

Low



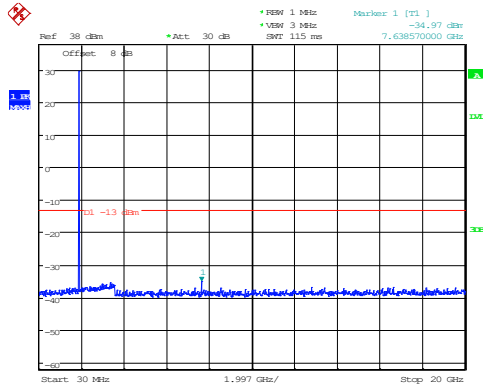
ProjectNo.:2405V58287E-RF Tester:Ryan Zhang
Date: 30.JUL.2024 11:15:34

Middle



ProjectNo.:2405V58287E-RF Tester:Ryan Zhang
Date: 30.JUL.2024 11:14:44

High



ProjectNo.:2405V58287E-RF Tester:Ryan Zhang
Date: 30.JUL.2024 11:20:05

For LTE mode, please refer to the Appendix D.

3.3.6 FREQUENCY STABILITY

GSM850

Middle Channel, $f_0=836.6\text{MHz}$				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.85	7.09	0.008475	2.5
-20		5.75	0.006873	2.5
-10		4.92	0.005881	2.5
0		7.35	0.008786	2.5
10		6.97	0.008331	2.5
20		7.34	0.008774	2.5
30		4.89	0.005845	2.5
40		7.26	0.008678	2.5
50		4.30	0.005140	2.5
20	3.3	4.36	0.005212	2.5
	4.4	4.50	0.005379	2.5

GSM1900

200KHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.85	1850.731029	1909.558323	1850	1910
-20		1850.293431	1909.672010	1850	1910
-10		1850.680384	1909.900269	1850	1910
0		1850.418721	1909.253503	1850	1910
10		1850.937832	1909.363498	1850	1910
20		1850.548197	1909.134991	1850	1910
30		1850.281074	1909.779644	1850	1910
40		1850.309290	1909.706324	1850	1910
50		1850.252257	1909.087024	1850	1910
20	3.3	1850.639969	1909.812681	1850	1910
	4.4	1850.504463	1909.038772	1850	1910

LTE:

QPSK:

Band 2:

1.4 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.85	1850.477031	1909.243084	1850	1910
-20		1850.936468	1909.196104	1850	1910
-10		1850.789612	1909.040798	1850	1910
0		1850.395422	1909.318103	1850	1910
10		1850.580571	1909.203327	1850	1910
20		1850.084796	1909.575064	1850	1910
30		1850.966660	1909.548709	1850	1910
40		1850.844133	1909.476665	1850	1910
50		1850.868184	1909.286307	1850	1910
20	3.3	1850.849207	1909.264279	1850	1910
	4.4	1850.538378	1909.454290	1850	1910

Band 4:

1.4 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.85	1710.081908	1754.473810	1710	1755
-20		1710.669996	1754.731692	1710	1755
-10		1710.798587	1754.700585	1710	1755
0		1710.393601	1754.494514	1710	1755
10		1710.728053	1754.205506	1710	1755
20		1710.021511	1754.204526	1710	1755
30		1710.899851	1754.671427	1710	1755
40		1710.036334	1754.074272	1710	1755
50		1710.412577	1754.861810	1710	1755
20	3.3	1710.042706	1754.882086	1710	1755
	4.4	1710.162164	1754.235065	1710	1755

Band 5:

10.0 MHz Middle Channel, $f_o=836.5\text{MHz}$				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.85	5.41	0.007699	2.5
-20		6.15	0.006037	2.5
-10		5.63	0.008273	2.5
0		4.33	0.006802	2.5
10		6.11	0.006527	2.5
20		4.27	0.006539	2.5
30		4.27	0.005989	2.5
40		4.32	0.007328	2.5
50		6.72	0.005619	2.5
20	3.3	6.95	0.006778	2.5
	4.4	4.56	0.005750	2.5

Band 12:

1.4 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.85	699.588421	715.210908	699	716
-20		699.588014	715.023450	699	716
-10		699.870284	715.698355	699	716
0		699.048482	715.010198	699	716
10		699.356953	715.472935	699	716
20		699.558249	715.837472	699	716
30		699.693763	715.306220	699	716
40		699.097685	715.409132	699	716
50		699.018149	715.266534	699	716
20	3.3	699.823667	715.544404	699	716
	4.4	699.901258	715.568503	699	716

Band 66:

1.4 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.85	1710.370154	1779.672566	1710	1780
-20		1710.299636	1779.592292	1710	1780
-10		1710.609078	1779.324639	1710	1780
0		1710.568468	1779.996427	1710	1780
10		1710.370448	1779.756185	1710	1780
20		1710.060019	1779.316762	1710	1780
30		1710.967909	1779.695057	1710	1780
40		1710.576558	1779.435203	1710	1780
50		1710.126814	1779.805142	1710	1780
20	3.3	1710.586363	1779.029565	1710	1780
	4.4	1710.508136	1779.278490	1710	1780

16QAM:

Band 2:

1.4 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.85	1850.191279	1909.451628	1850	1910
-20		1850.343518	1909.273547	1850	1910
-10		1850.423056	1909.294853	1850	1910
0		1850.978496	1909.637991	1850	1910
10		1850.020512	1909.949127	1850	1910
20		1850.902881	1909.985123	1850	1910
30		1850.104953	1909.434057	1850	1910
40		1850.404118	1909.649579	1850	1910
50		1850.827310	1909.648857	1850	1910
20	3.3	1850.132934	1909.120109	1850	1910
	4.4	1850.446388	1909.565652	1850	1910

Band 4:

1.4 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.85	1710.712275	1754.220325	1710	1755
-20		1710.173506	1754.522319	1710	1755
-10		1710.780407	1754.175211	1710	1755
0		1710.444230	1754.283286	1710	1755
10		1710.339337	1754.610539	1710	1755
20		1710.109384	1754.478037	1710	1755
30		1710.070054	1754.939174	1710	1755
40		1710.575126	1754.126515	1710	1755
50		1710.684969	1754.577578	1710	1755
20	3.3	1710.109266	1754.171798	1710	1755
	4.4	1710.516535	1754.828147	1710	1755

Band 5:

10.0 MHz Middle Channel, f _o =836.5MHz				
Temperature (°C)	Voltage Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.85	6.56	0.007842	2.5
-20		4.78	0.005714	2.5
-10		4.78	0.005714	2.5
0		5.50	0.006575	2.5
10		5.05	0.006037	2.5
20		6.13	0.007328	2.5
30		6.20	0.007412	2.5
40		5.63	0.006730	2.5
50		5.16	0.006169	2.5
20	3.3	5.80	0.006934	2.5
	4.4	5.08	0.006073	2.5

Band 12:

1.4 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.85	699.803139	715.507822	699	716
-20		699.866222	715.290992	699	716
-10		699.007997	715.114053	699	716
0		699.578993	715.053051	699	716
10		699.640197	715.252237	699	716
20		699.302869	715.059884	699	716
30		699.947023	715.887486	699	716
40		699.573935	715.681819	699	716
50		699.417145	715.695516	699	716
20	3.3	699.180884	715.090924	699	716
	4.4	699.893806	715.781885	699	716

Band 66:

1.4 MHz Bandwidth					
Temperature (°C)	Power Supplied (V _{DC})	F _L (MHz)	F _H (MHz)	F _L Limit (MHz)	F _H Limit (MHz)
-30	3.85	1710.389998	1779.574377	1710	1780
-20		1710.190935	1779.481939	1710	1780
-10		1710.600077	1779.324868	1710	1780
0		1710.697698	1779.209197	1710	1780
10		1710.469680	1779.578201	1710	1780
20		1710.862120	1779.364687	1710	1780
30		1710.498481	1779.422965	1710	1780
40		1710.121677	1779.564944	1710	1780
50		1710.361595	1779.525310	1710	1780
20	3.3	1710.365995	1779.935965	1710	1780
	4.4	1710.791789	1779.408905	1710	1780

Note: the extreme voltage range was provided by applicant.

3.4 Radiated Spurious emission Test Data

Test Date:	2024-06-06	Test By:	Luke Li
Environment condition:	Temperature: 23.8°C; Relative Humidity:65%; ATM Pressure: 100.1kPa		

Frequency (MHz)	Reading level (dBμV)	Polar (H/V)	Corrected Factor (dB/m)	Corrected Amplitude (dBμV/m)	EIRP CF	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Remark
LTE Band 2									
Low Channel(1850.7MHz)									
3701.400	55.11	horizontal	-2.57	52.54	95.2	-42.66	-13.00	-29.66	Peak
5552.100	57.50	horizontal	0.95	58.45	95.2	-36.75	-13.00	-23.75	Peak
7402.800	64.49	horizontal	1.44	65.93	95.2	-29.27	-13.00	-16.27	Peak
3701.400	62.20	vertical	-2.57	59.63	95.2	-35.57	-13.00	-22.57	Peak
5552.100	55.73	vertical	0.95	56.68	95.2	-38.52	-13.00	-25.52	Peak
7402.800	60.82	vertical	1.44	62.26	95.2	-32.94	-13.00	-19.94	Peak
Middle Channel(1880MHz)									
3760.000	54.70	horizontal	-2.69	52.01	95.2	-43.19	-13.00	-30.19	Peak
5640.000	53.66	horizontal	1.28	54.94	95.2	-40.26	-13.00	-27.26	Peak
7520.000	67.50	horizontal	1.73	69.23	95.2	-25.97	-13.00	-12.97	Peak
3760.000	62.09	vertical	-2.69	59.4	95.2	-35.80	-13.00	-22.80	Peak
5640.000	50.68	vertical	1.28	51.96	95.2	-43.24	-13.00	-30.24	Peak
7520.000	61.47	vertical	1.73	63.2	95.2	-32.00	-13.00	-19.00	Peak
High Channel(1909.3MHz)									
3818.600	55.38	horizontal	-2.78	52.6	95.2	-42.60	-13.00	-29.60	Peak
5727.900	49.16	horizontal	1.66	50.82	95.2	-44.38	-13.00	-31.38	Peak
7637.200	68.50	horizontal	2.63	71.13	95.2	-24.07	-13.00	-11.07	Peak
3818.600	57.89	vertical	-2.78	55.11	95.2	-40.09	-13.00	-27.09	Peak
7637.200	65.30	vertical	2.63	67.93	95.2	-27.27	-13.00	-14.27	Peak
LTE Band 4									
Low Channel(1710.7MHz)									
3421.400	54.71	horizontal	-2.63	52.08	95.2	-43.12	-13.00	-30.12	Peak
5132.100	53.60	horizontal	0.71	54.31	95.2	-40.89	-13.00	-27.89	Peak
6842.800	58.11	horizontal	1.97	60.08	95.2	-35.12	-13.00	-22.12	Peak
3421.400	52.81	vertical	-2.63	50.18	95.2	-45.02	-13.00	-32.02	Peak
6842.800	51.49	vertical	1.97	53.46	95.2	-41.74	-13.00	-28.74	Peak
Middle Channel(1732.5MHz)									
3465.000	54.09	horizontal	-2.68	51.41	95.2	-43.79	-13.00	-30.79	Peak
3465.000	54.96	vertical	-2.68	52.28	95.2	-42.92	-13.00	-29.92	Peak
High Channel(1754.3MHz)									
3508.600	57.57	horizontal	-2.71	54.86	95.2	-40.34	-13.00	-27.34	Peak
7017.200	64.89	horizontal	1.99	66.88	95.2	-28.32	-13.00	-15.32	Peak
3508.600	62.07	vertical	-2.71	59.36	95.2	-35.84	-13.00	-22.84	Peak

7017.200	61.16	vertical	1.99	63.15	95.2	-32.05	-13.00	-19.05	Peak
LTE Band 5									
Low Channel(824.7MHz)									
1649.400	48.51	horizontal	-3.32	45.19	95.2	-50.01	-13.00	-37.01	Peak
1649.400	49.06	vertical	-3.32	45.74	95.2	-49.46	-13.00	-36.46	Peak
Middle Channel(836.5MHz)									
1673.000	49.97	horizontal	-3.19	46.78	95.2	-48.42	-13.00	-35.42	Peak
1673.000	52.04	vertical	-3.19	48.85	95.2	-46.35	-13.00	-33.35	Peak
High Channel(848.3MHz)									
1696.600	51.55	horizontal	-3.07	48.48	95.2	-46.72	-13.00	-33.72	Peak
1696.600	52.40	vertical	-3.07	49.33	95.2	-45.87	-13.00	-32.87	Peak
LTE Band 12									
Low Channel(699.7MHz)									
1399.400	25.59	horizontal	36.72	62.31	95.20	-32.89	-13.00	-19.89	Peak
1399.400	26.94	vertical	36.72	63.66	95.20	-31.54	-13.00	-18.54	Peak
Middle Channel(707.5MHz)									
1415.000	46.41	horizontal	-4.58	41.83	95.2	-53.37	-13.00	-40.37	Peak
1415.000	46.02	vertical	-4.58	41.44	95.2	-53.76	-13.00	-40.76	Peak
High Channel(715.3MHz)									
1430.600	48.03	horizontal	-4.51	43.52	95.2	-51.68	-13.00	-38.68	Peak
1430.600	55.99	vertical	-4.51	51.48	95.2	-43.72	-13.00	-30.72	Peak
LTE Band 66									
Low Channel(1710.7MHz)									
3421.400	54.80	horizontal	-2.63	52.17	95.2	-43.03	-13.00	-30.03	Peak
5132.100	52.68	horizontal	0.71	53.39	95.2	-41.81	-13.00	-28.81	Peak
6842.800	58.27	horizontal	1.97	60.24	95.2	-34.96	-13.00	-21.96	Peak
3421.400	54.80	horizontal	-2.63	52.17	95.20	-43.03	-13.00	-30.03	Peak
5132.100	52.68	horizontal	0.71	53.39	95.20	-41.81	-13.00	-28.81	Peak
6842.800	58.27	horizontal	1.97	60.24	95.20	-34.96	-13.00	-21.96	Peak
Middle Channel(1745MHz)									
3490.000	60.81	horizontal	-2.71	58.1	95.2	-37.10	-13.00	-24.10	Peak
6980.000	58.80	horizontal	1.92	60.72	95.2	-34.48	-13.00	-21.48	Peak
3490.000	64.42	vertical	-2.71	61.71	95.20	-33.49	-13.00	-20.49	Peak
6980.000	57.03	vertical	1.92	58.95	95.20	-36.25	-13.00	-23.25	Peak
High Channel(1779.3MHz)									
3558.600	57.54	horizontal	-2.65	54.89	95.2	-40.31	-13.00	-27.31	Peak
7117.200	60.57	horizontal	2.11	62.68	95.2	-32.52	-13.00	-19.52	Peak
7117.200	57.53	vertical	2.11	59.64	95.2	-35.56	-13.00	-22.56	Peak
GSM 850									
Low Channel(824.2MHz)									
1648.400	49.49	horizontal	-3.34	46.15	95.2	-49.05	-13.00	-36.05	Peak
2472.600	57.32	horizontal	-2.76	54.56	95.2	-40.64	-13.00	-27.64	Peak
1648.400	59.43	vertical	-3.34	56.09	95.20	-39.11	-13.00	-26.11	Peak

2472.600	52.61	vertical	-2.76	49.85	95.20	-45.35	-13.00	-32.35	Peak
Middle Channel(836.6MHz)									
1673.200	53.44	horizontal	-3.19	50.25	95.2	-44.95	-13.00	-31.95	Peak
2509.800	54.29	horizontal	-2.72	51.57	95.2	-43.63	-13.00	-30.63	Peak
1673.200	58.12	vertical	-3.19	54.93	95.2	-40.27	-13.00	-27.27	Peak
2509.800	53.06	vertical	-2.72	50.34	95.2	-44.86	-13.00	-31.86	Peak
High Channel(848.8MHz)									
1697.600	53.18	horizontal	-3.06	50.12	95.2	-45.08	-13.00	-32.08	Peak
2546.400	53.90	horizontal	-2.73	51.17	95.2	-44.03	-13.00	-31.03	Peak
1697.600	53.97	vertical	-3.06	50.91	95.2	-44.29	-13.00	-31.29	Peak
2546.400	54.93	vertical	-2.73	52.2	95.2	-43.00	-13.00	-30.00	Peak
GSM 1900									
Low Channel(1850.2MHz)									
3700.400	47.74	horizontal	-2.57	45.17	95.2	-50.03	-13.00	-37.03	Peak
3700.400	47.87	vertical	-2.57	45.3	95.2	-49.90	-13.00	-36.90	Peak
Middle Channel(1880MHz)									
3760.000	48.64	horizontal	-2.69	45.95	95.2	-49.25	-13.00	-36.25	Peak
3760.000	48.07	vertical	-2.69	45.38	95.2	-49.82	-13.00	-36.82	Peak
High Channel(1909.8MHz)									
5729.400	57.71	horizontal	1.66	59.37	95.2	-35.83	-13.00	-22.83	Peak
3818.600	49.68	vertical	-2.78	46.9	95.20	-48.30	-13.00	-35.30	Peak
5729.400	50.47	vertical	1.66	52.13	95.20	-43.07	-13.00	-30.07	Peak

Remark:

Corrected Amplitude= Reading level + corrected Factor

Corrected Factor = Antenna factor + Cable loss – Amplifier gain

Margin = Result – Limit

According to ANSI C63.26-2015 section 5.2.7:

$$EIRP \text{ (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8; \text{ where } D \text{ is the measurement distance (in the far field region) in m.}$$

Test was performed on 3meters distance, so

Result = Corrected Amplitude + $20\log(3) - 104.8$

= Corrected Amplitude - 95.2

The emission levels of other frequencies that were lower than the limit 20dB, not show in test report.

4 Test Setup Photo

Please refer to the attachment 2405V58287EE Test Setup photo.

5 E.U.T Photo

Please refer to the attachment 2405V58287E External photo and 2405V58287E Internal photo.

---End of Report---