
TEST REPORT FOR RF TESTING

Report No.:SRTC2021-9004(F)-21082803(C)

Product Name: Smart Phone

Applicant: HMD global Oy

Manufacturer: HMD global Oy

Specification: FCC Part 2, Part 22H, Part 27 (2020)

FCC ID:2AJOTTA-1361

The State Radio_monitoring_center Testing Center (SRTC)
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1. GENERAL INFORMATION

1.1 Notes of the test report

The test report may only be reproduced or published in full. Reproduction or publication of extracts from the report requires the prior written permission of The State Radio_monitoring_center Testing Center (SRTC). The test results relate only to individual items of the samples which have been tested. The certification and accreditation identifiers used in this report shall not be applicable to the tested or calibrated samples thereof. The manufacturer shall not mark the tested samples or items (or a separate part of the item) with the identifiers of certification and accreditation to mislead relevant parties about the tested samples or items.

1.2 Information about the testing laboratory

Company:	The State Radio_monitoring_center Testing Center (SRTC)
Address:	15th Building, No.30 Shixing Street, Shijingshan District, P.R.China
City:	Beijing
Country or Region:	P.R.China
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1.3 Applicant's details

Company:	HMD global Oy
Address:	BertelJunginaukio 9, 02600 Espoo Finland
Contacted person:	Reza Serafat
Tel:	+491735287964
Email:	reza.serafat@hmdglobal.com

1.4 Manufacturer's details

Company:	HMD global Oy
Address:	BertelJunginaukio 9, 02600 Espoo Finland

1.5 Test Environment

Date of Receipt of test sample at SRTC:	2021-08-22
Testing Start Date:	2021-08-25
Testing End Date:	2021-08-27

Environmental Data:	Temperature (°C)	Humidity (%)
Ambient:	25	50
Maximum Extreme:	50	---
Minimum Extreme:	-10	---

Normal Supply Voltage (V d.c.):	3.85
Maximum Extreme Supply Voltage (V d.c.):	4.4
Minimum Extreme Supply Voltage (V d.c.):	3.4

2 DESCRIPTION OF THE EQUIPMENT UNDER TEST

2.1 Final Equipment Build Status

Frequency Range:	LTE Band 5: Tx:824~849 MHz Rx:869 ~894MHz LTE Band 7: Tx:2500~2570MHz Rx:2620~2690MHz LTE Band 38: Tx:2570~2620 MHz Rx:2570~2620MHz LTE Band 41: Tx:2496~2690 MHz Rx:2496~2690MHz LTE CA_7C: Tx:2500~2570MHz Rx:2620~2690MHz LTE CA_38C: Tx:2570~2620 MHz Rx:2570~2620MHz LTE CA_41C: Tx:2496~2690 MHz Rx:2496~2690MHz
Modulation Type:	QPSK/16QAM/64QAM/256QAM
Antenna Type:	Integrated
Antenna Gain:	LTE B5: -3.5dBi LTE B7/38/41: -2dBi
Power Supply:	Battery/Charger
Hardware Version:	V1.0
Software Version:	000T_0_315
IMEI:	356271140001063

2.2 Support Equipment

The following support equipment was used to exercise the DUT during testing:

Equipment:	Battery
Manufacturer:	Guangdong Fenghua New Energy Co., Ltd.
Model Number:	P660

2.3 Summary table

FCC Rule Part	Frequency Range (MHz)	EIRP/ERP (W)	Frequency Tolerance (ppm)	Emission Designator	BW (MHz)	Measured 26dBC Bandwidth (MHz)	Communication Type
LTE BAND5							
22H	824.7-848.3	0.052	--	1M08G7D	1.4M	1.236	QPSK
	824.7-848.3	0.046	--	1M10W7D	1.4M	1.239	16QAM/64QAM/256QAM
	825.5-847.5	0.052	--	2M70G7D	3M	2.988	QPSK
	825.5-847.5	0.047	--	2M69W7D	3M	3.024	16QAM/64QAM/256QAM
	826.5-846.5	0.053	--	4M48G7D	5M	4.900	QPSK
	826.5-846.5	0.049	--	4M49W7D	5M	4.920	16QAM/64QAM/256QAM
	829-844	0.052	0.010133	8M95G7D	10M	9.680	QPSK
	829-844	0.049	--	8M95W7D	10M	9.700	16QAM/64QAM/256QAM
LTE BAND7							
27	2502.5-2567.5	0.123	--	4M48G7D	5M	4.476	QPSK
	2502.5-2567.5	0.108	--	4M50W7D	5M	4.496	16QAM/64QAM/256QAM
	2505-2565	0.123	--	9M00G7D	10M	8.971	QPSK
	2505-2565	0.105	--	8M97W7D	10M	8.971	16QAM/64QAM/256QAM
	2507.5-2562.5	0.124	--	13M5G7D	15M	13.516	QPSK
	2507.5-2562.5	0.113	--	13M5W7D	15M	13.487	16QAM/64QAM/256QAM
	2510-2560	0.131	0.007461	18M1G7D	20M	18.062	QPSK
	2510-2560	0.119	--	18M0W7D	20M	18.022	16QAM/64QAM/256QAM

LTE BAND38							
27	2572.5-2617.5	0.110	--	4M48G7D	5M	4.980	QPSK
	2572.5-2617.5	0.089	--	4M48W7D	5M	5.040	16QAM/64QAM/256QAM
	2575-2615	0.110	--	8M95G7D	10M	9.720	QPSK
	2575-2615	0.092	--	8M95W7D	10M	9.740	16QAM/64QAM/256QAM
	2577.5-2612.5	0.114	--	13M6G7D	15M	16.350	QPSK
	2577.5-2612.5	0.093	--	13M5W7D	15M	15.540	16QAM/64QAM/256QAM
	2580-2610	0.108	0.007893	17M9G7D	20M	19.880	QPSK
	2580-2610	0.089	--	17M9W7D	20M	20.440	16QAM/64QAM/256QAM
LTE BAND41							
27	2498.5-2687.5	0.128	--	4M48G7D	5M	4.900	QPSK
	2498.5-2687.5	0.108	--	4M48W7D	5M	5.090	16QAM/64QAM/256QAM
	2501-2685	0.132	--	8M93G7D	10M	9.800	QPSK
	2501-2685	0.114	--	8M95W7D	10M	9.700	16QAM/64QAM/256QAM
	2503.5-2682.5	0.130	--	13M6G7D	15M	16.290	QPSK
	2503.5-2682.5	0.113	--	13M5W7D	15M	15.930	16QAM/64QAM/256QAM
	2506-2680	0.132	0.006425	17M9G7D	20M	19.880	QPSK
	2506-2680	0.101	--	17M9W7D	20M	20.200	16QAM/64QAM/256QAM
LTE CA 7C							
27	2505.5-2545.6	0.122	--	27M6G7D	10M-20M	28.650	QPSK
	2505.5-2545.6	0.122	--	27M7W7D	10M-20M	28.680	16QAM/64QAM/256QAM
	2507.5-2552.7	0.122	--	23M1G7D	15M-10M	24.100	QPSK
	2507.5-2552.7	0.112	--	23M1W7D	15M-10M	24.125	16QAM/64QAM/256QAM
	2507.5-2547.5	0.122	--	28M3G7D	15M-15M	29.310	QPSK
	2507.5-2547.5	0.109	--	28M3W7D	15M-15M	29.370	16QAM/64QAM/256QAM
	2507.8-2542.9	0.122	--	32M6G7D	15M-20M	34.055	QPSK
	2507.8-2542.9	0.109	--	32M7W7D	15M-20M	34.090	16QAM/64QAM/256QAM
	2510-2550.1	0.122	--	27M7G7D	20M-10M	28.920	QPSK
	2510-2550.1	0.112	--	27M7W7D	20M-10M	28.800	16QAM/64QAM/256QAM
	2510-2540.2	0.122	0.012158	37M6G7D	20M-20M	39.080	QPSK
	2510-2540.2	0.105	--	37M6W7D	20M-20M	39.120	16QAM/64QAM/256QAM

LTE CA_38C							
27	2577.5-2597.5	0.122	--	28M3G7D	15M-15M	29.340	QPSK
	2577.5-2597.5	0.103	--	28M3W7D	15M-15M	29.340	16QAM/64QAM/256QAM
	2580-2590.2	0.123	0.007528	37M5G7D	20M-20M	39.120	QPSK
	2580-2590.2	0.101	--	37M5W7D	20M-20M	39.120	16QAM/64QAM/256QAM
LTE CA_41C							
27	2501.3-2670.5	0.119	--	23M1G7D	10M-15M	24.025	QPSK
	2501.3-2670.5	0.102	--	23M1W7D	10M-15M	24.050	16QAM/64QAM/256QAM
	2501.5-2665.6	0.122	--	27M7G7D	10M-20M	28.680	QPSK
	2501.5-2665.6	0.103	--	27M7W7D	10M-20M	28.740	16QAM/64QAM/256QAM
	2503.5-2672.7	0.127	--	23M1G7D	15M-10M	24.175	QPSK
	2503.5-2672.7	0.101	--	23M2W7D	15M-10M	24.350	16QAM/64QAM/256QAM
	2503.5-2667.5	0.122	--	28M3G7D	15M-15M	29.430	QPSK
	2503.5-2667.5	0.100	--	28M3W7D	15M-15M	29.700	16QAM/64QAM/256QAM
	2503.8-2662.9	0.121	--	32M7G7D	15M-20M	34.090	QPSK
	2503.8-2662.9	0.101	--	32M7W7D	15M-20M	34.125	16QAM/64QAM/256QAM
	2506-2670.1	0.122	--	27M8G7D	20M-10M	28.740	QPSK
	2506-2670.1	0.102	--	27M7W7D	20M-10M	28.800	16QAM/64QAM/256QAM
	2506-2660.2	0.122	--	37M6G7D	20M-20M	39.120	QPSK
	2506-2660.2	0.097	--	37M7W7D	20M-20M	39.120	16QAM/64QAM/256QAM
	2499.3-2668.3	0.121	0.008168	22M8G7D	5M-20M	23.675	QPSK
	2499.3-2668.3	0.101	--	22M8W7D	5M-20M	23.675	16QAM/64QAM/256QAM

3 REFERENCE SPECIFICATION

Specification	Version	Title
FCC Part 2	2020	Frequency allocations and radio treaty matters; general rules and regulations
FCC Part 22	2020	Public mobile services
FCC Part 27	2020	Miscellaneous wireless communications services
ANSI C63.26	2015	American national standard for compliance testing of transmitters used in licensed radio services
KDB 971168 D01	April 9, 2018	Measurement guidance for certification of licensed digital transmitters
TIA-603-E-2016	March 2016	Land Mobile FM or PM Communications Equipment Measurement and Performance Standards



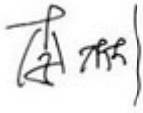
4 KEY TO NOTES AND RESULT CODES

The following are the definition of the test result.

Code	Meaning
PASS	Test result shows that the requirements of the relevant specification have been met.
FAIL	Test result shows that the requirements of the relevant specification have not been met.
NT	Normal Temperature
NV	Nominal voltage
HV	High voltage
LV	Low voltage

5 RESULT SUMMARY

No.	Test case	FCC reference	Verdict
1	RF Power Output	2.1046	Pass
2	Effective Radiated Power and Effective Isotropic Radiated Power	22.913(a)(5), 24.232(c), 27.50(b)(10), 27.50(c)(10), 27.50(h)(2), 27.50(d)(4), 27.50(a)(3)	Pass
3	Occupied Bandwidth	2.1049	Pass
4	Peak-Average Ratio	24.232(d), 27.50(d)(5)	Pass
5	Emission Bandwidth	2.1049	Pass
6	Band Edges Compliance	2.1051, 22.917(a), 24.238(a), 27.53(c), 27.53(g), 27.53(h), 27.53(m), 27.53(a)	Pass
7	Frequency Stability	2.1055, 22.355, 24.235, 27.54	Pass

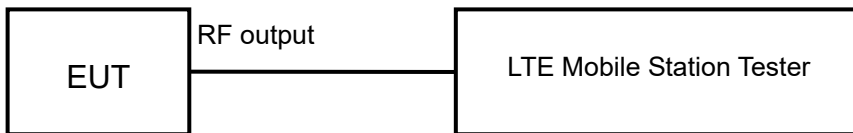
This Test Report Is Issued by: Mr. Peng Zhen 	Checked by: Ms. Liu Jia 
Tested by: Mr. Li Bin 	Issued date: 20210906

6 TEST RESULT

6.1 RF Power Output

Rule Part(s)
FCC: 2.1046

Test Setup:



Test procedure:

After a radio link has been established between EUT and Tester, the output power of the cell signal of the testing equipment will be decreased until the output power of the EUT reach a maximum value. Then the test data can be read at the tester screen. The loss between RF output port of the EUT and the input port of the tester will be taken into consideration.

Limits: No RF Power Output requirements in part 2.1046.

Test result:

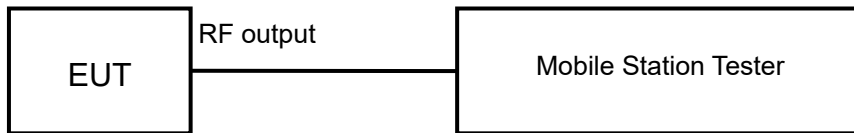
The test results are shown in Appendix A.

6.2 Effective Radiated Power and Effective Isotropic Radiated Power

Rule Part(s)

FCC: 22.913(a) (5), 24.232(c), 27.50(b) (10), 27.50(c) (10), 27.50(h) (2), 27.50(d) (4), 27.50(a) (3)

Test setup:



Test procedure:

KDB 971168 D01 v03r01 – Section 5.6

Test Settings

Subclause 5.2.5.5 of ANSI C63.26-2015 is applicable, along with the following provisions. For personal/portable radios utilizing an integral antenna, the factor LC is typically negligible. However, in a fixed station transmit system that utilizes a long cable run between the transmitter and the transmitting antenna, this factor can be significant. The minimum cable loss should be used in this equation.

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

$$\text{ERP/EIRP} = \text{PMeas} - \text{LC} + \text{GT}$$

Where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm)

PMeas = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP)

ERP/EIRP LIMIT

This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, $\text{ERP} = \text{EIRP} - 2.15 \text{ (dB)}$.

22.913(a) (5)

The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

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.

27.50(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.

27.50(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.

27.50(h) (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.

27.50(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.

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.

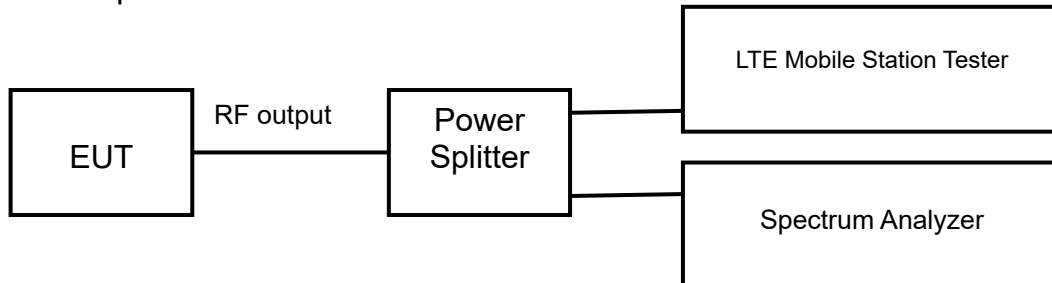
Test result:

The test results are shown in Appendix A.

6.3 Occupied Bandwidth

Rule Part(s)
FCC: 2.1049

Test Setup:



Test procedure:
KDB 971168 D01 v03r01 – Section 4.2

Test Setting:

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW \geq 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

Limits: No specific occupied bandwidth requirements in part 2.1049

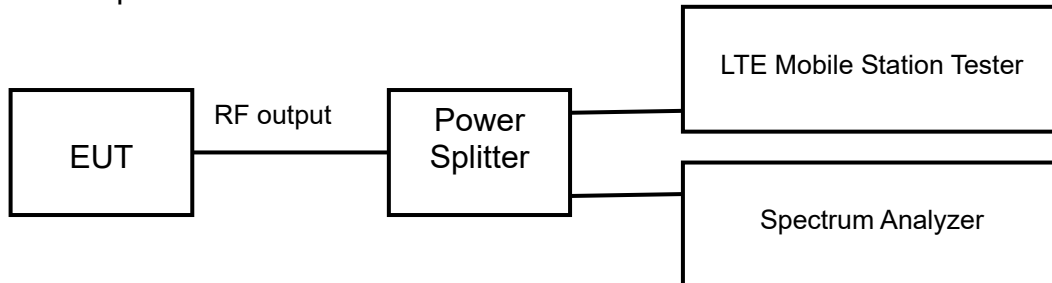
Test result:

The test results are shown in Appendix A.

6.4 Emission Bandwidth

Rule Part(s)
FCC: 2.1049

Test Setup:



Test procedure:
KDB 971168 D01 v03r01 – Section 4.2

Test Setting:

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW \geq 3 x RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of 26dB bandwidth observed in Step 7

Limits: No specific emission bandwidth requirements in part 2.1049.

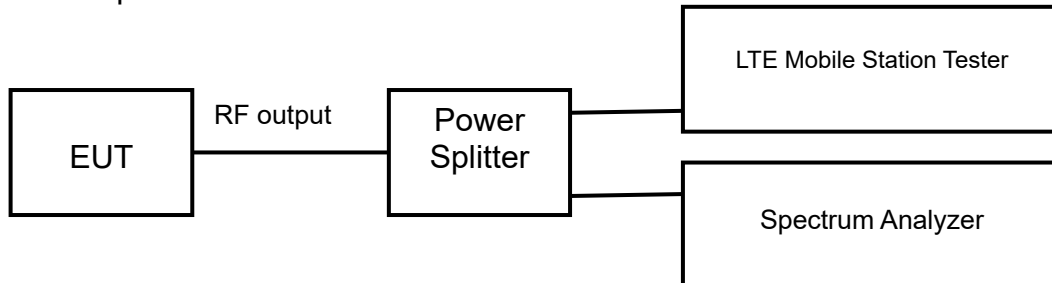
Test result:
The test results are shown in Appendix A.

6.5 Peak-Average Ratio

Rule Part(s)

FCC: 24.232(d), 27.50(d) (5)

Test Setup:



Test procedure:

KDB 971168 D01 v03r01 – Section 5.7.1

Test Setting:

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW \geq OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Limits

24.232(d), 27.50(d) (5)

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.

Test result:

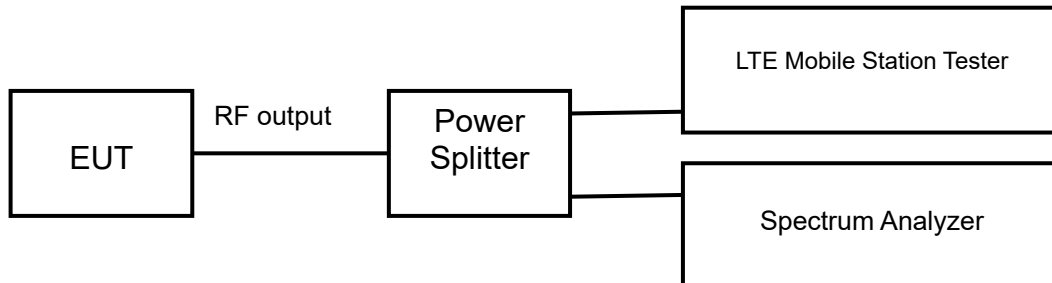
The test results are shown in Appendix A.

6.6 Spurious Emissions at antenna terminal

Rule Part(s)

FCC: 2.1051, 22.917(a), 24.238(a), 27.53(c), 27.53(g), 27.53(h), 27.53(m), 27.53(a)

Test Setup:



Test procedure:

KDB 971168 D01 v03r01 – Section 6.0

Test Setting:

1. Start frequency was set to 30MHz and stop frequency was set to at least $10 \times$ the fundamental frequency
2. Detector = RMS
3. RBW=1MHz
4. VBW=3MHz
5. Trace mode = trace average for continuous emissions, max hold for pulse emissions
6. Sweep time = auto couple
7. The trace was allowed to stabilize

Limits

The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P)$ [Watts], where P is the transmitter power in Watts.

For Band 30, the minimum permissible attenuation level of any spurious emission <2288MHz and >2365MHz is $70 + \log_{10}(P)$ [Watts].

For Band 7 and 41, the minimum permissible attenuation level of any spurious emission is $55 + \log_{10}(P)$ [Watts].

Test result:

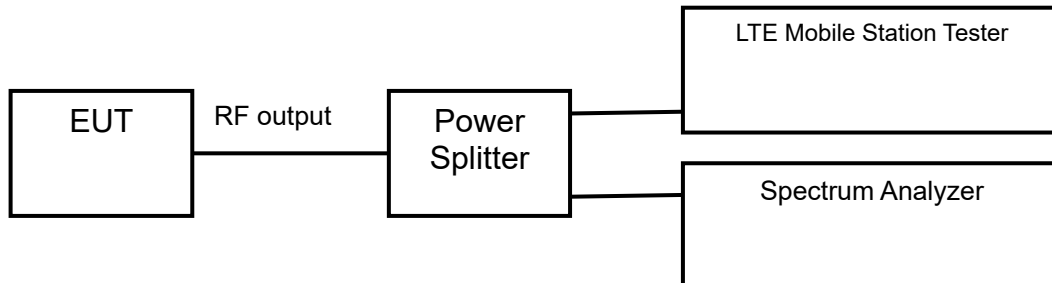
The test results are shown in Appendix A.

6.7 Band Edges Compliance

Rule Part(s)

FCC: 2.1051, 22.917(a), 24.238(a), 27.53(c), 27.53(g), 27.53(h), 27.53(m), 27.53(a)

Test Setup:



Test procedure:

KDB 971168 D01 v03r01 – Section 6.0

Test Setting:

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW > 1% of the emission bandwidth
4. VBW > 3 x RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span/RBW}$
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Limits

The minimum permissible attenuation level of any spurious emission is $43 + \log_{10}(P)$ [Watts], where P is the transmitter power in Watts.

The minimum permissible attenuation level for Band 30 is $> 43 + 10\log_{10}(P)$ [Watts] at 2300-2305MHz & 2345-2360MHz, $> 55 + 10\log_{10}(P)$ [Watts] at 2320-2324MHz & 2341-2345MHz, $> 61 + 10\log_{10}(P)$ [Watts] at 2324-2328MHz & 2337-2341MHz, $> 67 + 10\log_{10}(P)$ [Watts] at 2288-2292MHz & 2328- 2337MHz, and $> 70 + 10\log_{10}(P)$ [Watts] at frequencies $< 2288\text{MHz}$ & $> 2365\text{MHz}$.

Per 22.917(b) 24.238(a) 27.53(h) 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 to demonstrate compliance with the out-of-band emissions limit. 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 emission are attenuated at least 26 dB below the transmitter power.

Per 27.53(g) for operations in the 698-746 MHz band, in the 100 kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30 kHz may be employed to demonstrate compliance with the out-of-band emissions limit.

Per 27.53(c)(5) for operations in the 776-788 MHz band, in the 100 kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30 kHz may

be employed to demonstrate compliance with the out-of-band emissions limit.

For all plots showing emissions in the 763 – 775MHz and 793 – 805MHz band, the FCC limit per 27.53(c)(4) is $65 + 10\log_{10}(P) = -35\text{dBm}$ in a 6.25kHz bandwidth.

Per 27.53(a)(5) in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 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). 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.

Per 27.53(m) for operations in the BRS/EBS bands, 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. In addition, the attenuation factor shall not be less that $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5MHz.

Test result:

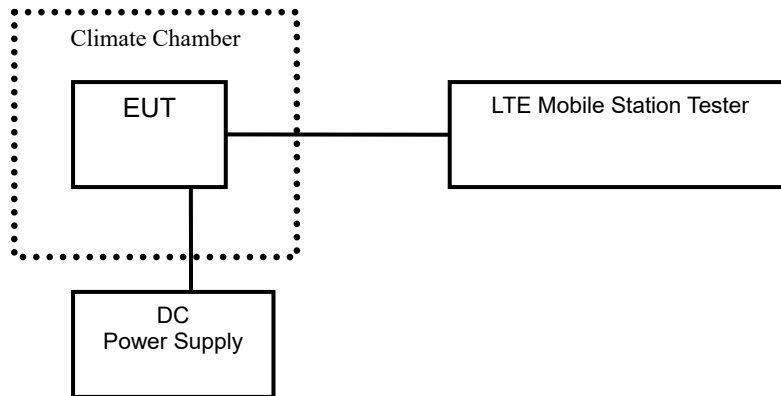
The test results are shown in Appendix A.

6.8 Frequency Stability

Rule Part(s)

FCC: 2.1055, 22.355, 24.235, 27.54

Test setup:



Test Procedure:

ANSI/TIA-603-E-2016

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C (The temperature range can be declared by the manufacturer). A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Limits: For Part 22, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency. For Part 24, Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test result:

The test results are shown in Appendix A.

7 MEASUREMENT UNCERTAINTIES

Items	Uncertainty
RF Power Output	0.6 dB
Effective Radiated Power and Effective Isotropic Radiated Power	0.6 dB
Occupied Bandwidth	3kHz
Emission Bandwidth	3kHz
Peak-Average Ratio	0.8dB
FrequencyStability	48Hz
Band Edges Compliance	1.2dB

8 TEST EQUIPMENTS

No.	Name/Model	Manufacturer	S/N	Calibration Date	Calibration Due Date
1	Mobile Station Tester / MT8820C	Anritsu	6201300660	2021.06.21	2022.06.20
2	Radio Communication Station / CMW500	R&S	161702	2021.06.21	2022.06.20
3	Radio Communication Station / SP9500	StarPoint	20334	2021.4.12	2022.4.11
4	Spectrum Analyzer / FSV40	R&S	101065	2021.06.21	2022.06.20
5	Spectrum Analyzer / FSW	R&S	101581	2021.02.19	2022.02.18
6	Spectrum Analyzer / N9020A	Agilent	MY48010771	2021.05.18	2022.05.17
7	Power Divider / 11667A	HP	19632	2021.06.21	2022.06.20
8	DC Power Supply / E3645A	Agilent	MY40000741	2021.04.22	2022.04.21
9	Temperature chamber / SH241	ESPEC	92013758	2021.06.21	2022.06.20
10	Fully-Anechoic Chamber / 12.65m×8.03m×7.50m	FRANKONIA	----	----	----
11	Semi-Anechoic/Chamber / 23.18m×16.88m×9.60m	FRANKONIA	---	----	----
12	Turn table Diameter:1m	FRANKONIA	----	----	----
13	Turn table Diameter:5m	FRANKONIA	----	----	----
14	Antenna master FAC(MA4.0)	MATURO	----	----	----
15	Antenna master SAC(MA4.0)	MATURO	----	----	----
16	Shielding room / 9.080m×5.255m×3.525m	FRANKONIA	----	----	----
17	Double-Ridged Waveguide Horn Antenna / HF 907	R&S	100512	2021.06.21	2022.06.20
18	Double-Ridged Waveguide Horn Antenna / HF 907	R&S	100513	2021.06.21	2022.06.20
19	Ultra log antenna / HL562	R&S	100016	2021.06.21	2022.06.20
20	Receive antenna /3160-09	SCHWARZ-BECK	002058-002	2021.06.21	2022.06.20
21	EMI test receiver / ESI 40	R&S	100015	2021.06.21	2022.06.20
22	EMI test receiver / ESCS30	R&S	100029	2021.06.21	2022.06.20
23	Receive antenna / HL562	R&S	100167	2021.06.21	2022.06.20
24	AMN / ENV216	R&S	3560.6550.12	2021.06.21	2022.06.20

APPENDIX A – TEST DATA OF CONDUCTED EMISSION

Please refer to the attachment.