

MEASUREMENT REPORT

FCC PART 22 & 24 & 27

FCC ID: HD5-EDA61K1

Application: Honeywell International Inc.
Honeywell Safety and Productivity Solutions

Application Type: Certification

Product: Mobile Computer

Model No.: EDA61K-1

Brand Name: Honeywell

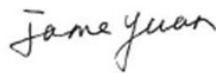
FCC Classification: PCS Licensed Transmitter (PCB)

FCC Rule Part(s): Part 22 Subpart H, Part 24 Subpart E,
Part 27 Subpart L & H & F & M & N

Test Procedure(s): ANSI C63.26-2015, KDB 971168 D01v03r01

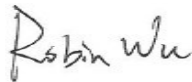
Test Date: November 7 ~ 25, 2020

Reviewed By:



(Jame Yuan)

Approved By:



(Robin Wu)



The test results relate only to the samples tested.

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in ANSI C63.26-2015. Test results reported herein relate only to the item(s) tested.

The test report shall not be reproduced except in full without the written approval of MRT Technology (Suzhou) Co., Ltd.

Revision History

Report No.	Version	Description	Issue Date	Note
2010RSU078-U7	Rev. 01	Initial Report	11-25-2020	Valid

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1. General Information

1.1. Applicant

Honeywell International Inc
Honeywell Safety and Productivity Solutions
9680 Old Bailes Road, Fort Mill, SC 29707 United States

1.2. Manufacturer

Honeywell International Inc
Honeywell Safety and Productivity Solutions
9680 Old Baires Road, Fort Mill, SC 29707 United States

1.3. Testing Facility

☒	Test Site – MRT Suzhou Laboratory
	Laboratory Location (Suzhou – Wuzhong) D8 Building, No.2 Tian'edang Rd., Wuzhong Economic Development Zone, Suzhou, China
	Laboratory Location (Suzhou – SIP) 4b Building, Liando U Valley, No.200 Xingpu Rd., Shengpu Town, Suzhou Industrial Park, China
	Laboratory Accreditations
	A2LA: 3628.01 FCC: CN1166 VCCI: R-20025, G-20034, C-20020, T-20020
	CNAS: L10551 ISED: CN0001
☐	Test Site – MRT Shenzhen Laboratory
	Laboratory Location (Shenzhen) 1G, Building A, Junxiangda Building, Zhongshanyuan Road West, Nanshan District, Shenzhen, China
	Laboratory Accreditations
	A2LA: 3628.02 FCC: CN1284
☐	Test Site – MRT Taiwan Laboratory
	Laboratory Location (Taiwan) No. 38, Fuxing 2 nd Rd., Guishan Dist., Taoyuan City 333, Taiwan (R.O.C.)
	Laboratory Accreditations
	TAF: L3261-190725 FCC: 291082, TW3261
☐	

2. PRODUCT INFORMATION

2.1. Equipment Description

Product Name	Mobile Computer
Model No.	EDA61K-1
Serial No.	19252B1389 (Conducted Sample), 20094B219D (Radiated Sample)
Wi-Fi Specification	802.11a/b/g/n/ac
Bluetooth Version	v4.1 dual mode
Satellite	GPS/GLONASS
GSM Operation Band (s)	GPRS/EDGE 850/1900
WCDMA Operation Band (s)	Band II/IV/V
CDMA2000 Operation Band (s)	BC0 / BC1
LTE Operation Band (s)	FDD Band 2/4/5/7/12/13/17/25, TDD Band 38/41
Accessories	
USB Adapter	Model No.: ADS-12B-06 05010E Input Power: 100 - 240V ~ 50/60Hz, Max. 0.3A Output Power: 5VDC 2.0A
Rechargeable Li-ion Battery	Model No.: CK65-BTSC Capacitance: 7000mAh/25.2Wh Rated Voltage: 3.6V

2.2. Product Specification Subjective to this Report

FDD T _x Frequency Range:	Band 2: 1850 ~ 1910 MHz; Band 4: 1710 ~ 1755 MHz; Band 5: 824 ~ 849 MHz; Band 7: 2500 ~ 2570 MHz; Band 12: 699 ~ 716 MHz; Band 13: 777 ~ 787 MHz; Band 17: 704 ~ 716 MHz; Band 25: 1850 ~ 1915 MHz;
FDD R _x Frequency Range:	Band 2: 1930 ~ 1990 MHz; Band 4: 2110 ~ 2155 MHz; Band 5: 869 ~ 894 MHz; Band 7: 2620 ~ 2690 MHz; Band 12: 729 ~ 746 MHz; Band 13: 746 ~ 756 MHz; Band 17: 734 ~ 746 MHz; Band 25: 1930 ~ 1995 MHz;
TDD T _x & R _x Frequency Range:	Band 38: 2570 ~ 2620 MHz; Band 41: 2496 ~ 2690 MHz;
Bandwidth	LTE Band 2: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 4: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 5: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 7: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 12: 1.4MHz / 3MHz / 5MHz / 10MHz LTE Band 13: 5MHz / 10MHz LTE Band 17: 5MHz / 10MHz LTE Band 25: 1.4MHz / 3MHz / 5MHz / 10MHz / 15MHz / 20MHz LTE Band 38: 5MHz / 10MHz / 15MHz / 20MHz LTE Band 41: 5MHz / 10MHz / 15MHz / 20MHz
Type of Modulation	QPSK / 16QAM

Note 1: For other features of this EUT, test report will be issued separately.

Note 2: All product information is provided by the manufacturer.

2.3. Description of Available Antennas

Technology	Frequency Range (MHz)	Antenna Type	Max Peak Gain (dBi)
LTE Band 2	1850 ~ 1910	FPC	-0.59
LTE Band 4	1710 ~ 1755		-1.03
LTE Band 5	824 ~ 849		0.56
LTE Band 7	2500 ~ 2570		3.06
LTE Band 12	699 ~ 716		-4.46
LTE Band 13	777 ~ 787		-0.68
LTE Band 17	704 ~ 716		-4.46
LTE Band 25	1850 ~ 1915		-0.59
LTE Band 38	2570 ~ 2620		2.68
LTE Band 41	2496 ~ 2690		3.06

Note: All product information is provided by the manufacturer.

2.4. EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and/or no modifications were made during testing.

2.5. Maximum Power, Frequency Tolerance, and Emission Designator

LTE Band 2		QPSK			16QAM		
BW (MHz)	Feq. (MHz)	Designator	Tolerance (ppm)	Max Power (W)	Designator	Tolerance (ppm)	Max Power (W)
1.4	1850.7 ~ 1909.3	1M08G7D	-	0.1028	1M08W7D	-	0.0865
3	1851.5 ~ 1908.5	2M68G7D	-	0.1054	2M68W7D	-	0.0979
5	1852.5 ~ 1907.5	4M47G7D	-	0.1054	4M47W7D	-	0.0865
10	1855.0 ~ 1905.0	8M93G7D	-	0.1879	8M93W7D	-	0.0869
15	1857.5 ~ 1902.5	13M4G7D	-	0.1879	13M4W7D	-	0.1542
20	1860.0 ~ 1900.0	17M8G7D	-0.0024	0.1679	17M9W7D	-	0.1371

LTE Band 4		QPSK			16QAM		
BW (MHz)	Feq. (MHz)	Designator	Tolerance (ppm)	Max Power (W)	Designator	Tolerance (ppm)	Max Power (W)
1.4	1710.7 ~ 1754.3	1M08G7D	-	0.1791	1M08W7D	-	0.1449
3	1711.5 ~ 1753.5	2M69G7D	-	0.1770	2M68W7D	-	0.1493
5	1712.5 ~ 1752.5	4M47G7D	-	0.1762	4M46W7D	-	0.1384
10	1715.0 ~ 1750.0	8M94G7D	-	0.1774	8M93W7D	-	0.1683
15	1717.5 ~ 1747.5	13M4G7D	-	0.1774	13M4W7D	-	0.1503
20	1720.0 ~ 1745.0	17M9G7D	0.0022	0.1750	17M8W7D	-	0.1358

LTE Band 5		QPSK			16QAM		
BW (MHz)	Feq. (MHz)	Designator	Tolerance (ppm)	Max Power (W)	Designator	Tolerance (ppm)	Max Power (W)
1.4	824.7 ~ 848.3	1M08G7D	-	0.1603	1M08W7D	-	0.1306
3	825.5 ~ 847.5	2M68G7D	-	0.1607	2M68W7D	-	0.1563
5	826.5 ~ 846.5	4M47G7D	-	0.1600	4M46W7D	-	0.1309
10	829.0 ~ 844.0	8M93G7D	-0.0073	0.1603	8M91W7D	-	0.1476

LTE Band 7		QPSK			16QAM		
BW (MHz)	Feq. (MHz)	Designator	Tolerance (ppm)	Max Power (W)	Designator	Tolerance (ppm)	Max Power (W)
5	2502.5 ~ 2567.5	4M48G7D	-	0.4603	4M47W7D	-	0.3483
10	2505.0 ~ 2565.0	8M94G7D	-	0.4508	8M93W7D	-	0.3573
15	2507.5 ~ 2562.5	13M4G7D	-	0.4508	13M4W7D	-	0.3573
20	2510.0 ~ 2560.0	17M9G7D	-0.0032	0.4581	17M9W7D	-	0.3540

LTE Band 12		QPSK			16QAM		
BW (MHz)	Feq. (MHz)	Designator	Tolerance (ppm)	Max Power (W)	Designator	Tolerance (ppm)	Max Power (W)
1.4	699.7 ~ 715.3	1M08G7D	-	0.0566	1M08W7D	-	0.0492
3	700.5 ~ 714.5	2M68G7D	-	0.0570	2M68W7D	-	0.0471
5	701.5 ~ 713.5	4M47G7D	-	0.0557	4M46W7D	-	0.0454
10	704.0 ~ 711.0	8M91G7D	-0.0035	0.0586	8M92W7D	-	0.0470

LTE Band 13		QPSK			16QAM		
BW (MHz)	Feq. (MHz)	Designator	Tolerance (ppm)	Max Power (W)	Designator	Tolerance (ppm)	Max Power (W)
5	779.5 ~ 784.5	4M47G7D	-	0.1413	4M46W7D	-	0.1081
10	782.0	8M92G7D	-0.0068	0.1429	8M93W7D	-	0.1122

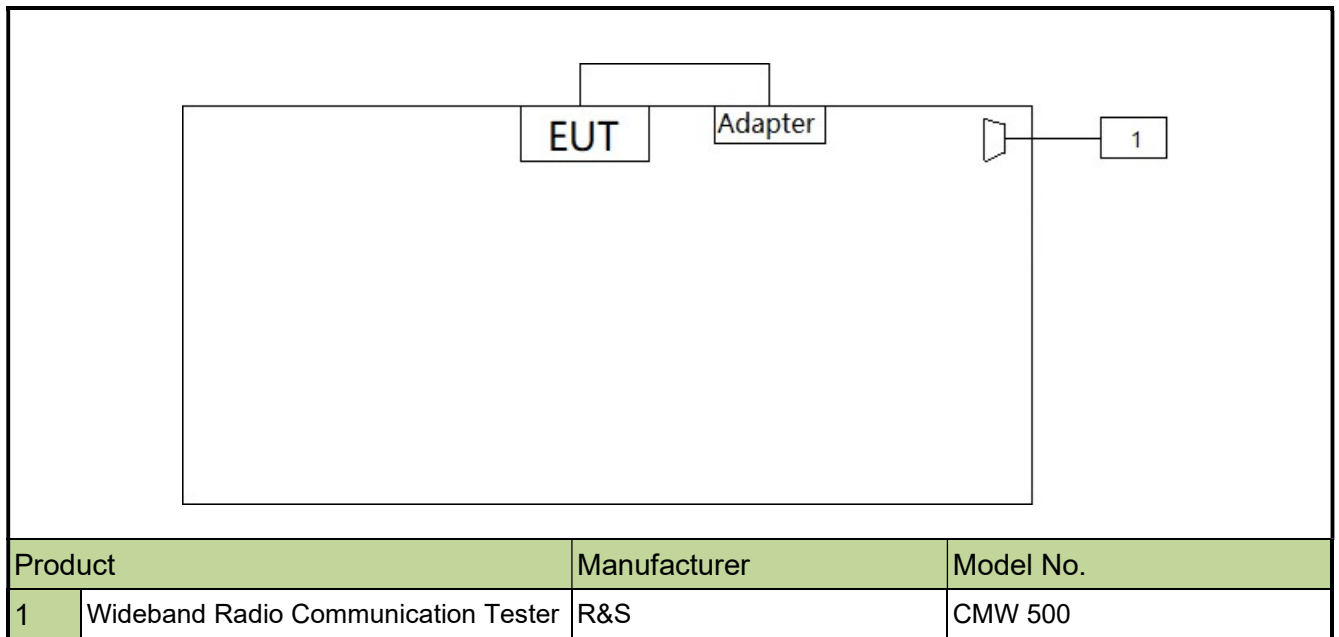
LTE Band 17		QPSK			16QAM		
BW (MHz)	Feq. (MHz)	Designator	Tolerance (ppm)	Max Power (W)	Designator	Tolerance (ppm)	Max Power (W)
5	706.5 ~ 713.5	4M47G7D		0.0579	4M46W7D	-	0.0449
10	709.0 ~ 711.0	8M93G7D	0.0037	0.0583	8M93W7D	-	0.0480

LTE Band 25		QPSK			16QAM		
BW (MHz)	Feq. (MHz)	Designator	Tolerance (ppm)	Max Power (W)	Designator	Tolerance (ppm)	Max Power (W)
1.4	1850.7 ~ 1914.3	1M08G7D	-	0.1950	1M08W7D	-	0.1618
3	1851.5 ~ 1913.5	2M69G7D	-	0.1945	2M68W7D	-	0.1644
5	1852.5 ~ 1912.5	4M47G7D	-	0.1950	4M47W7D	-	0.1466
10	1855.0 ~ 1910.0	8M93G7D		0.1954	8M93W7D	-	0.1603
15	1857.5 ~ 1907.5	13M4G7D		0.1945	13M4W7D	-	0.1786
20	1860.0 ~ 1905.0	17M9G7D	0.0030	0.1941	17M8W7D	-	0.1531

LTE Band 38		QPSK			16QAM		
BW (MHz)	Feq. (MHz)	Designator	Tolerance (ppm)	Max Power (W)	Designator	Tolerance (ppm)	Max Power (W)
5	2502.5 ~ 2567.5	4M47G7D	-	0.3733	4M46W7D	-	0.2630
10	2575.0 ~ 2615.0	8M94G7D	-	0.3350	8M94W7D	-	0.3192
15	2577.5 ~ 2612.5	13M4G7D	-	0.3648	13M4W7D	-	0.2761
20	2580 ~ 2610.0	17M9G7D	-0.0036	0.3516	17M8W7D	-	0.2884

LTE Band 41		QPSK			16QAM		
BW (MHz)	Feq. (MHz)	Designator	Tolerance (ppm)	Max Power (W)	Designator	Tolerance (ppm)	Max Power (W)
5	2498.5 ~ 2687.5	4M46G7D	-	0.4266	4M46W7D	-	0.3483
10	2501.0 ~ 2685.0	8M93G7D	-	0.4178	8M93W7D	-	0.3811
15	2503.5 ~ 2682.5	13M4G7D	-	0.4266	13M4W7D	-	0.3184
20	2506.0 ~ 2680.0	17M9G7D	0.0033	0.4130	17M9W7D	-	0.3327

2.6. Configuration of Tested System



2.7. Test Environment Condition

Ambient Temperature	15 ~ 35 °C
Relative Humidity	20 ~75 %RH

3. TEST EQUIPMENT CALIBRATION DATE

Conducted Emission (WZ-SR2)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06185	1 year	2021/01/18
Two-Line V-Network	R&S	ENV216	MRTSUE06002	1 year	2021/09/09
Thermal Hygrometer	testo	608-H1	MRTSUE06404	1 year	2021/07/26
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2021/10/20
Shielding Room	MIX-BEP	Chamber-SR2	MRTSUE06215	N/A	N/A

Conducted Emission (SIP-SR2)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06613	1 year	2021/07/02
Two-Line V-Network	R&S	ENV216	MRTSUE06003	1 year	2021/09/09
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2021/10/20
Thermal Hygrometer	testo	608-H1	MRTSUE06621	1 year	2020/12/29

Radiated Emission (WZ-AC1)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR7	MRTSUE06001	1 year	2021/01/18
PXA Signal Analyzer	Keysight	N9030B	MRTSUE06395	1 year	2021/08/30
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB 9168	MRTSUE06172	1 year	2021/08/08
Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06023	1 year	2021/09/27
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06597	1 year	2020/12/17
Microwave System Amplifier	Agilent	83017A	MRTSUE06076	1 year	2021/11/14
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2021/06/11
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2021/10/20
Thermal Hygrometer	testo	608-H1	MRTSUE06403	1 year	2021/07/26
Anechoic Chamber	TDK	Chamber-AC1	MRTSUE06212	1 year	2021/04/30

Radiated Emission (WZ-SIP-AC2)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
MXE EMI Receiver	Keysight	N9038A	MRTSUE06125	1 year	2021/07/02
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB 9162	MRTSUE06022	1 year	2021/05/26
Broad-Band Horn Antenna	Schwarzbeck	BBHA 9120D	MRTSUE06171	1 year	2021/10/25
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06597	1 year	2020/12/17
Broadband Coaxial Preamplifier	Schwarzbeck	BBV 9718	MRTSUE06176	1 year	2021/11/14
Preamplifier	Schwarzbeck	BBV 9721	MRTSUE06121	1 year	2021/06/11
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2021/10/20
Thermal Hygrometer	Minggao	ETH529	MRTSUE06170	1 year	2020/12/15
Anechoic Chamber	RIKEN	Chamber-SIP- AC2	MRTSUE06213	1 year	2021/04/30

Radiated Emission (SIP-AC1)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06612	1 year	2021/07/02
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2021/07/23
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06645	1 year	2021/08/30
Double Ridged Horn Antenna	R&S	HF907	MRTSUE06610	1 year	2021/08/30
Preamplifier	EMCI	EMC051845SE	MRTSUE06600	1 year	2021/11/09
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2021/10/20
Thermal Hygrometer	testo	608-H1	MRTSUE06620	1 year	2020/12/29
Anechoic Chamber	RIKEN	SIP-AC1	MRTSUE06554	1 year	2020/12/25

Radiated Emission (SIP-AC2)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06613	1 year	2021/07/02
MXA Signal Analyzer	Keysight	N9020B	MRTSUE06604	1 year	2021/09/26
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06646	1 year	2021/08/30
Horn Antenna	Schwarzbeck	BBHA9120D	MRTSUE06648	1 year	2020/12/17
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06599	1 year	2020/12/17
Preamplifier	EMCI	EMC051845SE	MRTSUE06644	1 year	2021/11/09
Preamplifier	EMCI	EMC184045SE	MRTSUE06602	1 year	2021/10/21
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2021/10/20
Thermal Hygrometer	testo	608-H1	MRTSUE06624	1 year	2020/12/29
Anechoic Chamber	RIKEN	WZ-SIP-AC2	MRTSUE06781	1 year	2020/12/25

Radiated Emission (SIP-AC3)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EMI Test Receiver	R&S	ESR3	MRTSUE06612	1 year	2021/07/02
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06559	1 year	2021/07/23
Loop Antenna	Schwarzbeck	FMZB 1519	MRTSUE06025	1 year	2021/11/08
Bilog Period Antenna	Schwarzbeck	VULB9168	MRTSUE06647	1 year	2021/08/08
Double Ridged Horn Antenna	R&S	HF907	MRTSUE06611	1 year	2021/09/13
Horn Antenna	Schwarzbeck	BBHA9170	MRTSUE06598	1 year	2020/12/17
Preamplifier	EMCI	EMC012645SE	MRTSUE06642	1 year	2021/01/16
Preamplifier	EMCI	EMC184045SE	MRTSUE06641	1 year	2021/01/16
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2021/10/20
Thermal Hygrometer	testo	608-H1	MRTSUE06622	1 year	2020/12/29
Anechoic Chamber	RIKEN	SIP-AC3	MRTSUE06782	1 year	2020/12/25

Conducted Test Equipment (WZ-TR3)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
EXA Signal Analyzer	Agilent	N9020A	MRTSUE06106	1 year	2021/04/14
EXA Signal Analyzer	Keysight	N9010B	MRTSUE06607	1 year	2021/01/08
Signal Analyzer	R&S	FSV40	MRTSUE06218	1 year	2021/04/14
Power Meter	Agilent	U2021XA	MRTSUE06030	1 year	2021/10/22
USB wideband power sensor	Keysight	U2021XA	MRTSUE06446	1 year	2021/08/30
USB wideband power sensor	Keysight	U2021XA	MRTSUE06447	1 year	2021/08/08
Bluetooth Test Set	Anritsu	MT8852B-042	MRTSUE06389	1 year	2021/06/11
Audio Analyzer	Agilent	U8903B	MRTSUE06143	1 year	2021/06/11
Modulation Analyzer	HP	HP8901A	MRTSUE06098	1 year	2021/09/26
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2021/10/20
DC Power Supply	GWINSTEK	DPS-3303C	MRTSUE06064	N/A	N/A
Temperature & Humidity Chamber	BAOYT	BYH-150CL	MRTSUE06051	1 year	2021/10/21
Thermal Hygrometer	testo	608-H1	MRTSUE06401	1 year	2021/07/26

Conducted Test Equipment (SIP-SR6)

Instrument	Manufacturer	Type No.	Asset No.	Cali. Interval	Cali. Due Date
Signal Analyzer	R&S	FSV40	MRTSUE06218	1 year	2021/04/14
PXA Signal Analyzer	Keysight	N9030B	MRTSUE06395	1 year	2021/08/30
USB wideband power sensor	Agilent	U2021XA	MRTSUE06595	1 year	2021/09/26
USB wideband power sensor	Agilent	U2021XA	MRTSUE06596	1 year	2021/09/26
Wideband Radio Communication Tester	R&S	CMW 500	MRTSUE06243	1 year	2021/10/20
Bluetooth Test Set	Anritsu	MT8852B-042	MRTSUE06389	1 year	2021/06/11
Temperature Chamber	BAOYT	BYG-408CS	MRTSUE06847	1 year	2021/03/31
Thermal Hygrometer	testo	622	MRTSUE06629	1 year	2020/12/30

Software	Version	Function
EMI Software	V3	EMI Test Software

4. MEASUREMENT UNCERTAINTY

Where relevant, the following test uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of $k = 2$.

Radiated Emission Measurement
Measurement Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): Horizontal: 9kHz~300MHz: 5.04dB 300MHz~1GHz: 4.95dB 1GHz~40GHz: 6.40dB Vertical: 9kHz~300MHz: 5.24dB 300MHz~1GHz: 6.03dB 1GHz~40GHz: 6.40dB
Spurious Emissions, Conducted
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 0.78dB
Output Power
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 1.13dB
Power Spectrum Density
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 1.15dB
Occupied Bandwidth
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 0.28%
Frequency Stability
Measuring Uncertainty for a Level of Confidence of 95% ($U=2U_c(y)$): 76.2Hz

5. TEST RESULT

5.1. Summary

FCC Part Section(s)	Test Description	Test Limit	Test Condition	Test Result	Reference
2.1049	Occupied Bandwidth	N/A	Conducted	Pass	Section 5.2
2.1055, 22.355 24.235, 27.54	Frequency Stability	< 2.5 ppm		Pass	Section 5.3
22.913(a)(5)	Equivalent Radiated Power (Band 5)	< 7 Watts Max ERP		Pass	Section 5.4
27.50(b)(10) 27.50(c)(10)	Equivalent Radiated Power (Band 12, 13, 17)	< 3 Watts Max ERP			
24.232(c) 27.50(h)(2)	Equivalent Isotropic Radiated Power (Band 2, 7, 25, 38, 41)	< 2 Watts Max EIRP			
27.50(d)(4)	Equivalent Isotropic Radiated Power (Band 4)	< 1 Watts Max EIRP			
2.1051, 22.917(a) 24.238(a), 27.53(c), 27.53(g), 27.53(h)	Band Edge (Band 2, 4, 5, 12, 13, 17, 25)	< 43 + 10log ₁₀ (P _[Watts])		Pass	Section 5.5, 5.7
27.53(m)	Band Edge (Band 7, 38, 41)	27.53(m)(4)			
2.1051, 22.917(a) 24.238(a), 27.53(c), 27.53(g), 27.53(h)	Spurious Emission (Band 2, 4, 5, 12, 13, 17, 25)	< 43 + 10log ₁₀ (P _[Watts])			
2.1051, 27.53(m)	Spurious Emission (Band 7, 38, 41)	< 55 + 10log ₁₀ (P _[Watts])			
24.232(d), 27.50(d)(5)	Peak to Average Ratio	< 13dB		Pass	Section 5.6
2.1053, 22.917(a) 24.238(a), 27.53(c) (f) (g) (h)	Spurious Emissions (Band 2, 4, 5, 12, 13, 17, 25)	< 43 + 10log ₁₀ (P _[Watts])	Radiated	Pass	Section 5.8
27.53(m)	Spurious Emissions (Band 7, 38, 41)	< 55 + 10log ₁₀ (P _[Watts])			

Notes:

- The analyzer plots shown in this section were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables and attenuators used as part of the system to connect the EUT to the analyzer at all frequencies of interest.

- 2) All supported modulation types were evaluated. The worst-case emission of modulation was selected. Therefore, the Frequency Stability, Channel Band Edge, Radiated & Conducted Spurious Emission were presented worst data in the test report.

5.2. Occupied Bandwidth

5.2.1. Test Limit

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured.

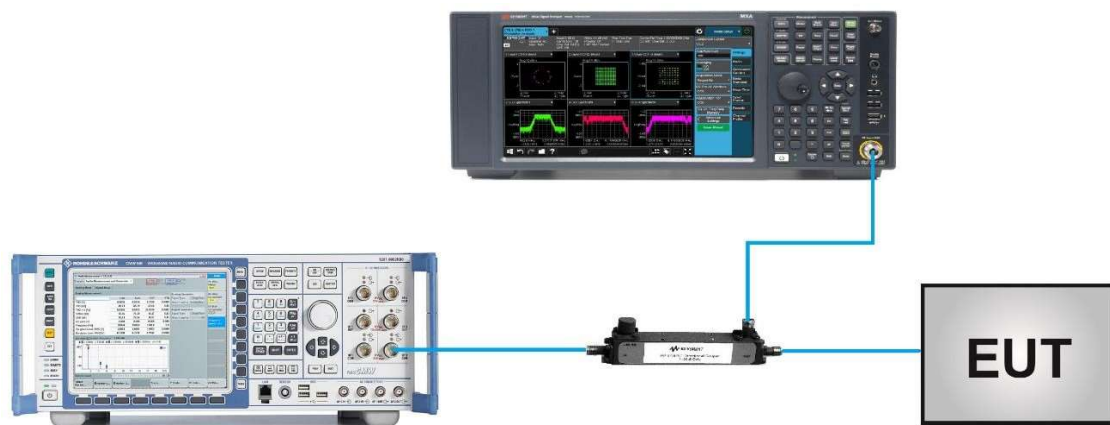
5.2.2. Test Procedure

ANSI C63.26-2015 - Section 5.4

5.2.3. Test Setting

1. Set center frequency to the nominal EUT channel center frequency
2. RBW = The nominal RBW shall be in the range of 1% to 5% of the anticipated OBW
3. $VBW \geq 3 \times RBW$
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. Allow the trace to stabilize
8. Use the 99% power bandwidth function of the instrument and report the measured bandwidth.

5.2.4. Test Setup



5.2.5. Test Result

Product	Mobile Computer	Test Engineer	Candy Luo
Test Date	2020/11/13	Test Site	SIP-SR6
Test Band	Band 2		

Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	1880.0	1.4	1.08
	1880.0	3	2.68
	1880.0	5	4.47
	1880.0	10	8.93
	1880.0	15	13.38
	1880.0	20	17.81
16QAM	1880.0	1.4	1.08
	1880.0	3	2.68
	1880.0	5	4.47
	1880.0	10	8.93
	1880.0	15	13.38
	1880.0	20	17.87

99% Bandwidth - QPSK

1.4MHz Channel Bandwidth



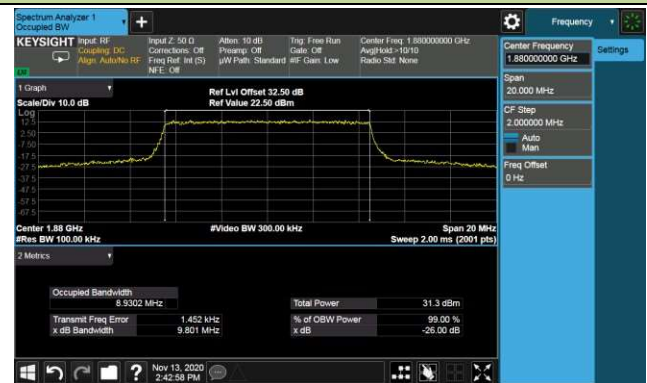
3MHz Channel Bandwidth



5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



99% Bandwidth - 16QAM

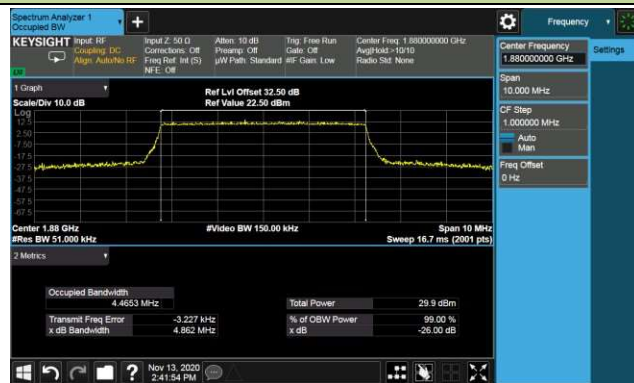
1.4MHz Channel Bandwidth



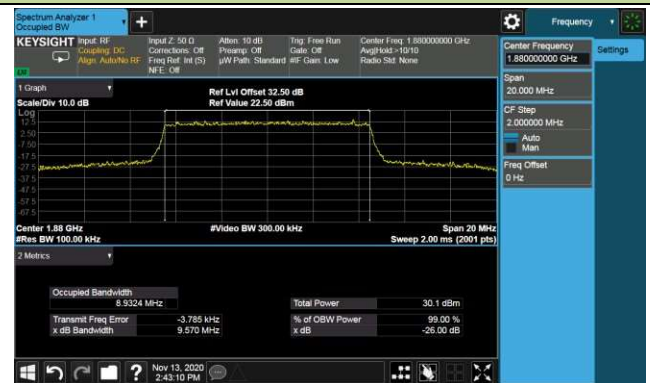
3MHz Channel Bandwidth



5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth

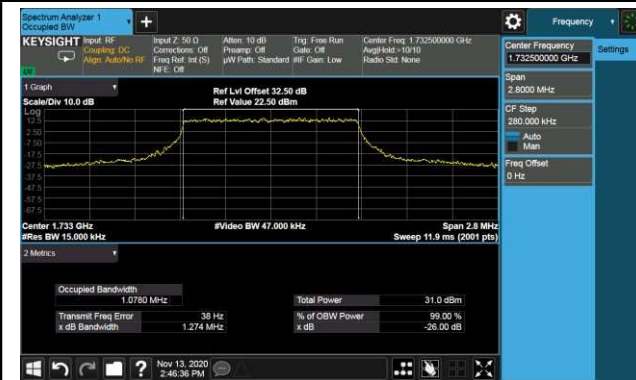


Product	Mobile Computer	Test Engineer	Candy Luo
Test Date	2020/11/13	Test Site	SIP-SR6
Test Band	Band 4		

Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	1732.5	1.4	1.08
	1732.5	3	2.69
	1732.5	5	4.47
	1732.5	10	8.94
	1732.5	15	13.40
	1732.5	20	17.87
16QAM	1732.5	1.4	1.08
	1732.5	3	2.68
	1732.5	5	4.46
	1732.5	10	8.93
	1732.5	15	13.38
	1732.5	20	17.84

99% Bandwidth - QPSK

1.4MHz Channel Bandwidth



3MHz Channel Bandwidth



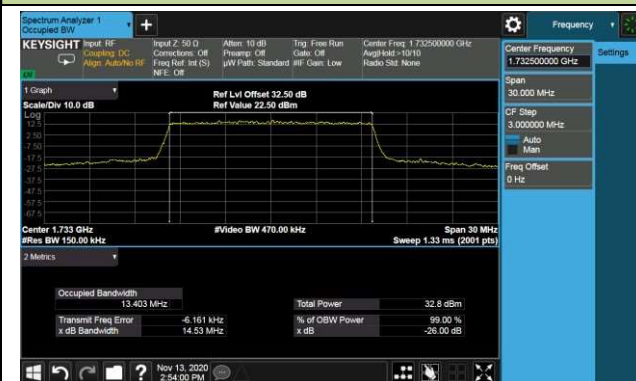
5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



99% Bandwidth - 16QAM

1.4MHz Channel Bandwidth



3MHz Channel Bandwidth



5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



Product	Mobile Computer	Test Engineer	Candy Luo
Test Date	2020/11/13	Test Site	SIP-SR6
Test Band	LTE Band 5		

Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	836.5	1.4	1.08
		3	2.68
		5	4.47
		10	8.93
16QAM	836.5	1.4	1.08
		3	2.68
		5	4.46
		10	8.91

99% Bandwidth - QPSK

1.4MHz Channel Bandwidth



3MHz Channel Bandwidth



5MHz Channel Bandwidth



10MHz Channel Bandwidth



99% Bandwidth - 16QAM

1.4MHz Channel Bandwidth



3MHz Channel Bandwidth



5MHz Channel Bandwidth



10MHz Channel Bandwidth



Product	Mobile Computer	Test Engineer	Candy Luo
Test Date	2020/11/13	Test Site	SIP-SR6
Test Band	LTE Band 7		

Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	2535.0	5	4.48
		10	8.94
		15	13.40
		20	17.86
16QAM	2535.0	5	4.47
		10	8.93
		15	13.39
		20	17.87

99% Bandwidth - QPSK

5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



99% Bandwidth - 16QAM

5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



Product	Mobile Computer	Test Engineer	Candy Luo
Test Date	2020/11/13	Test Site	SIP-SR6
Test Band	LTE Band 12		

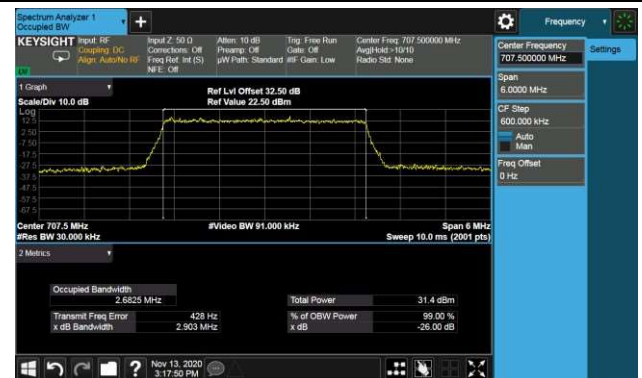
Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	707.5	1.4	1.08
		3	2.68
		5	4.47
		10	8.91
16QAM	707.5	1.4	1.08
		3	2.68
		5	4.46
		10	8.92

99% Bandwidth - QPSK

1.4MHz Channel Bandwidth



3MHz Channel Bandwidth



5MHz Channel Bandwidth



10MHz Channel Bandwidth



99% Bandwidth - 16QAM

1.4MHz Channel Bandwidth



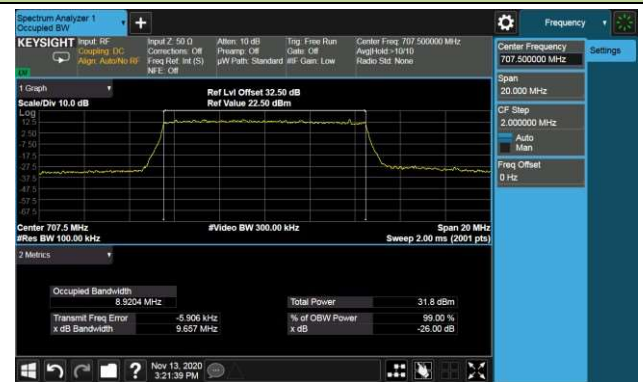
3MHz Channel Bandwidth



5MHz Channel Bandwidth



10MHz Channel Bandwidth



Product	Mobile Computer	Test Engineer	Candy Luo
Test Date	2020/11/13	Test Site	SIP-SR6
Test Band	LTE Band 13		

Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	782	5	4.47
		10	8.92
16QAM	782	5	4.46
		10	8.93

99% Bandwidth - QPSK

5MHz Channel Bandwidth



10MHz Channel Bandwidth



99% Bandwidth - 16QAM

5MHz Channel Bandwidth

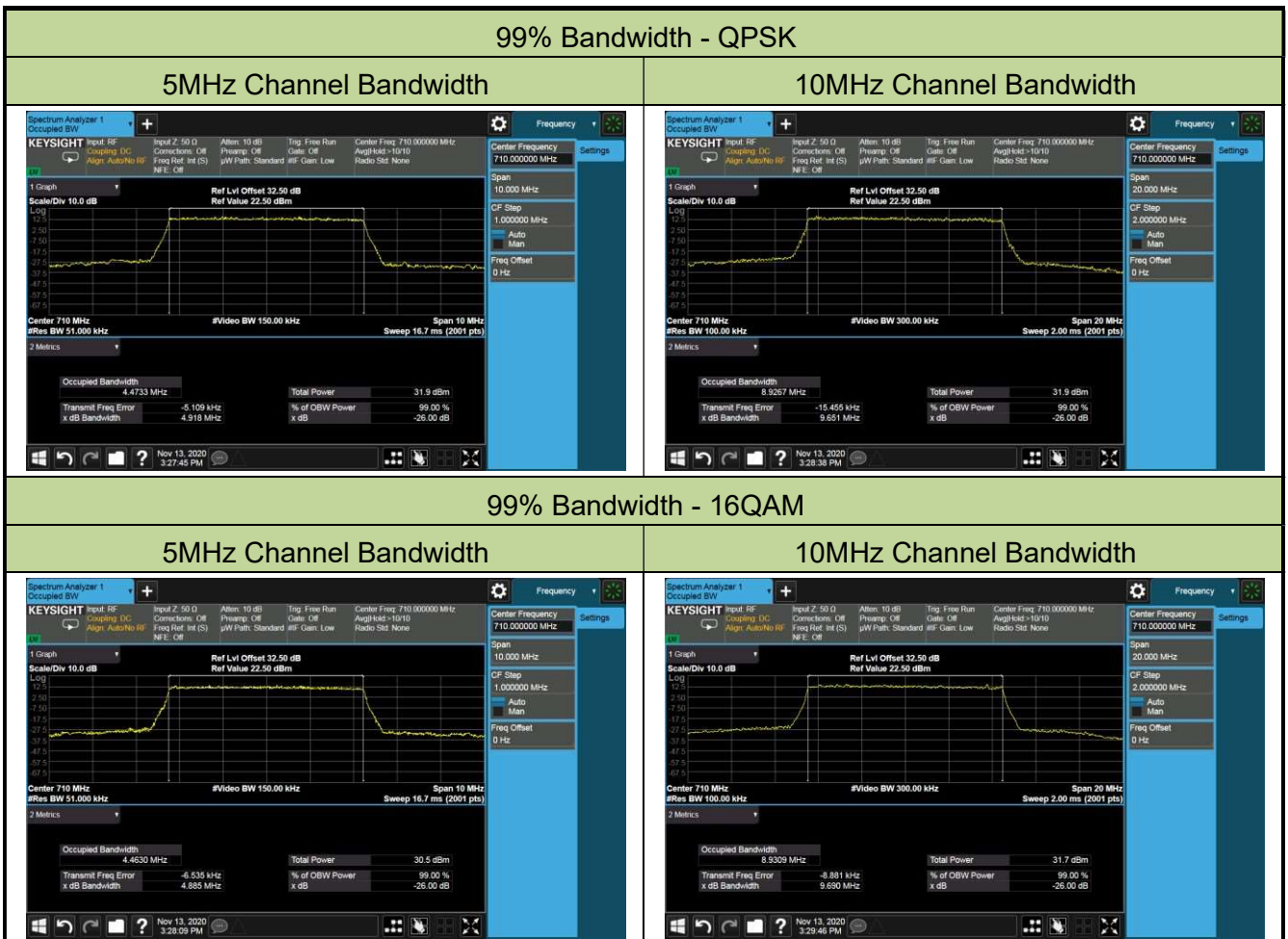


10MHz Channel Bandwidth



Product	Mobile Computer	Test Engineer	Candy Luo
Test Date	2020/11/13	Test Site	SIP-SR6
Test Band	LTE Band 17		

Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	710	5	4.47
		10	8.93
16QAM	710	5	4.46
		10	8.93



Product	Mobile Computer	Test Engineer	Candy Luo
Test Date	2020/11/13	Test Site	SIP-SR6
Test Band	Band 25		

Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	1882.5	1.4	1.08
	1882.5	3	2.69
	1882.5	5	4.47
	1882.5	10	8.93
	1882.5	15	13.36
	1882.5	20	17.82
16QAM	1882.5	1.4	1.08
	1882.5	3	2.68
	1882.5	5	4.47
	1882.5	10	8.93
	1882.5	15	13.38
	1882.5	20	17.86

99% Bandwidth - QPSK

1.4MHz Channel Bandwidth



3MHz Channel Bandwidth



5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



99% Bandwidth - 16QAM

1.4MHz Channel Bandwidth



3MHz Channel Bandwidth



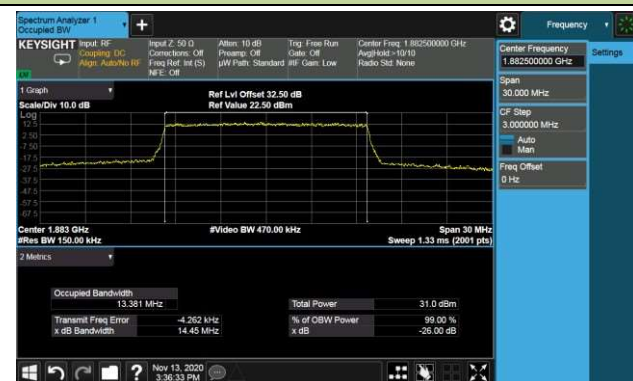
5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth

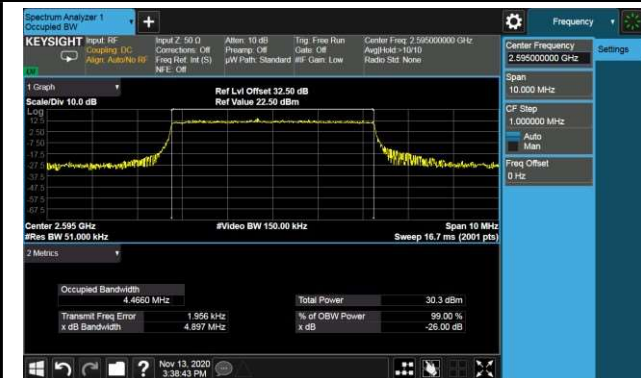


Product	Mobile Computer	Test Engineer	Candy Luo
Test Date	2020/11/13	Test Site	SIP-SR6
Test Band	LTE Band 38		

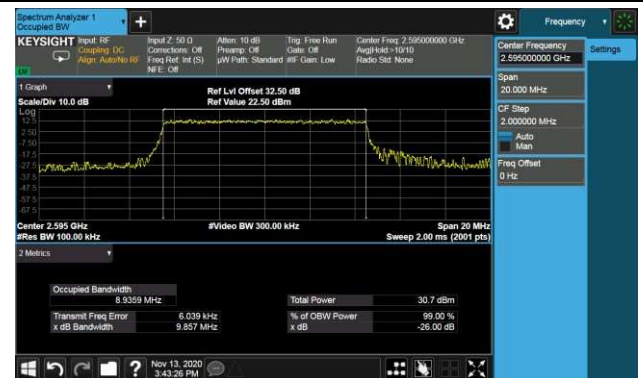
Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	2595.0	5	4.47
		10	8.94
		15	13.38
		20	17.86
16QAM	2595.0	5	4.46
		10	8.94
		15	13.39
		20	17.83

99% Bandwidth - QPSK

5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



99% Bandwidth - 16QAM

5MHz Channel Bandwidth



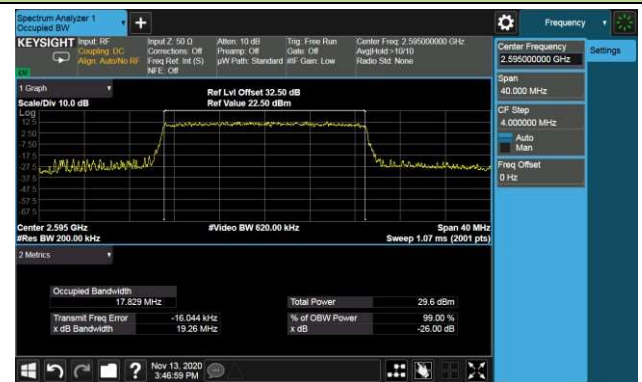
10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



Product	Mobile Computer	Test Engineer	Candy Luo
Test Date	2020/11/13	Test Site	SIP-SR6
Test Band	LTE Band 41		

Modulation	Frequency (MHz)	Bandwidth (MHz)	99% Bandwidth (MHz)
QPSK	2593.0	5	4.46
		10	8.93
		15	13.38
		20	17.87
16QAM	2593.0	5	4.46
		10	8.93
		15	13.40
		20	17.85

99% Bandwidth - QPSK

5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth

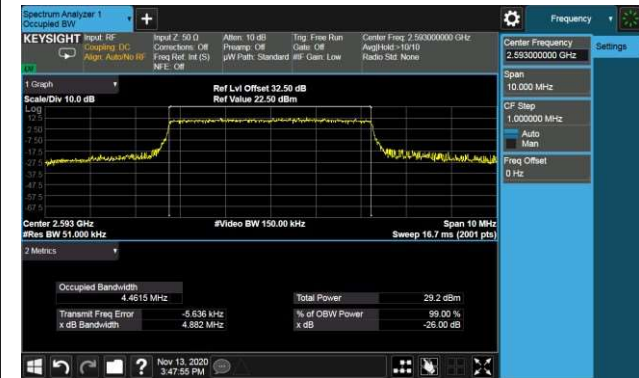


20MHz Channel Bandwidth



99% Bandwidth - 16QAM

5MHz Channel Bandwidth



10MHz Channel Bandwidth



15MHz Channel Bandwidth



20MHz Channel Bandwidth



5.3. Frequency Stability Measurement

5.3.1. Test Limit

The frequency stability shall be measured by variation of ambient temperature and variation of primary supply voltage to ensure that the fundamental emission stays within the authorized frequency block. The frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ ($\pm 2.5\text{ppm}$) of the center frequency.

5.3.2. Test Procedures Used

ANSI C63.26-2015 - Section 5.6

5.3.3. Test Setting

Frequency Stability Under Temperature Variations:

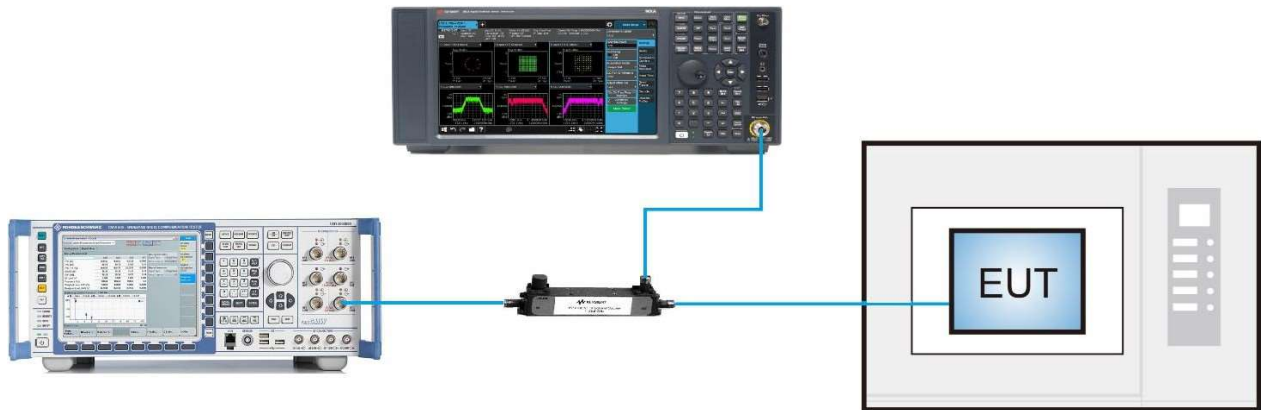
The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 20°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to highest. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C decreased per stage until the lowest temperature reached.

Frequency Stability Under Voltage Variations:

Set chamber temperature to 20°C. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.

Reduce the input voltage to specify extreme voltage variation ($\pm 15\%$) and endpoint, record the maximum frequency change.

5.3.4. Test Setup



5.3.5. Test Result

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/12
Test Mode	LTE Band 2	Operating Frequency	1880.0MHz

Voltage (%)	Power (V _{DC})	TEMP (%)	Freq. Dev. (Hz)	Deviation (ppm)	Result
100%	3.6	-30	-2.83	-0.0015	Pass
100%		-20	-4.11	-0.0022	Pass
100%		-10	-3.00	-0.0016	Pass
100%		0	-3.53	-0.0019	Pass
100%		+10	-1.90	-0.0010	Pass
100%		+20	-1.73	-0.0009	Pass
100%		+30	-3.35	-0.0018	Pass
100%		+40	-4.52	-0.0024	Pass
100%		+50	-3.12	-0.0017	Pass
Battery Upper	4.2	+20	-4.48	-0.0024	Pass
Battery Endpoint	3.4	+20	-4.23	-0.0023	Pass

Note: Battery upper voltage is 4.2Vdc, battery endpoint voltage is 3.4Vdc, which are declared by the manufacturer.

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/11
Test Mode	LTE Band 4	Operating Frequency	1732.5MHz

Voltage (%)	Power (V _{DC})	TEMP (%)	Freq. Dev. (Hz)	Deviation (ppm)	Result
100%	3.6	-30	0.29	0.0002	Pass
100%		-20	2.12	0.0012	Pass
100%		-10	-1.59	-0.0009	Pass
100%		0	2.36	0.0014	Pass
100%		+10	4.62	0.0027	Pass
100%		+20	3.79	0.0022	Pass
100%		+30	-0.13	-0.0001	Pass
100%		+40	0.14	0.0001	Pass
100%		+50	-2.96	-0.0017	Pass
Battery Upper	4.2	+20	-0.16	-0.0001	Pass
Battery Endpoint	3.4	+20	2.59	0.0015	Pass

Note: Battery upper voltage is 4.2Vdc, battery endpoint voltage is 3.4Vdc, which are declared by the manufacturer.

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/11
Test Mode	LTE Band 5	Operating Frequency	836.5MHz

Voltage (%)	Power (V _{DC})	TEMP (%)	Freq. Dev. (Hz)	Deviation (ppm)	Result
100%	3.6	-30	-2.09	-0.0025	Pass
100%		-20	4.16	0.0050	Pass
100%		-10	-1.23	-0.0015	Pass
100%		0	3.55	0.0042	Pass
100%		+10	3.23	0.0039	Pass
100%		+20	2.23	0.0027	Pass
100%		+30	-6.14	-0.0073	Pass
100%		+40	0.47	0.0006	Pass
100%		+50	-0.16	-0.0002	Pass
Battery Upper	4.2	+20	0.83	0.0010	Pass
Battery Endpoint	3.4	+20	1.66	0.0020	Pass

Note: Battery upper voltage is 4.2Vdc, battery endpoint voltage is 3.4Vdc, which are declared by the manufacturer.

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/11
Test Mode	LTE Band 7	Operating Frequency	2535.0MHz

Voltage (%)	Power (V _{DC})	TEMP (%)	Freq. Dev. (Hz)	Deviation (ppm)	Result
100%	3.6	-30	-2.03	-0.0008	Pass
100%		-20	2.86	0.0011	Pass
100%		-10	-7.91	-0.0031	Pass
100%		0	1.63	0.0006	Pass
100%		+10	-3.81	-0.0015	Pass
100%		+20	-1.70	-0.0007	Pass
100%		+30	-8.01	-0.0032	Pass
100%		+40	-3.12	-0.0012	Pass
100%		+50	-8.03	-0.0032	Pass
Battery Upper	4.2	+20	-3.23	-0.0013	Pass
Battery Endpoint	3.4	+20	0.51	0.0002	Pass

Note: Battery upper voltage is 4.2Vdc, battery endpoint voltage is 3.4Vdc, which are declared by the manufacturer.

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/11
Test Mode	LTE Band 12	Operating Frequency	707.5MHz

Voltage (%)	Power (V _{DC})	TEMP (%)	Freq. Dev. (Hz)	Deviation (ppm)	Result
100%	3.6	-30	1.80	0.0025	Pass
100%		-20	-1.24	-0.0018	Pass
100%		-10	-2.16	-0.0031	Pass
100%		0	-0.19	-0.0003	Pass
100%		+10	-0.19	-0.0003	Pass
100%		+20	0.06	0.0001	Pass
100%		+30	-1.33	-0.0019	Pass
100%		+40	-0.31	-0.0004	Pass
100%		+50	-0.09	-0.0001	Pass
Battery Upper	4.2	+20	-2.50	-0.0035	Pass
Battery Endpoint	3.4	+20	0.40	0.0006	Pass

Note: Battery upper voltage is 4.2Vdc, battery endpoint voltage is 3.4Vdc, which are declared by the manufacturer.

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/11
Test Mode	LTE Band 13	Operating Frequency	782.0MHz

Voltage (%)	Power (V _{DC})	TEMP (%)	Freq. Dev. (Hz)	Deviation (ppm)	Result
100%	3.6	-30	-4.68	-0.0060	Pass
100%		-20	-5.31	-0.0068	Pass
100%		-10	-0.30	-0.0004	Pass
100%		0	-2.32	-0.0030	Pass
100%		+10	0.31	0.0004	Pass
100%		+20	-0.53	-0.0007	Pass
100%		+30	0.14	0.0002	Pass
100%		+40	-2.68	-0.0034	Pass
100%		+50	-1.43	-0.0018	Pass
Battery Upper	4.2	+20	0.84	0.0011	Pass
Battery Endpoint	3.4	+20	0.74	0.0009	Pass

Note: Battery upper voltage is 4.2Vdc, battery endpoint voltage is 3.4Vdc, which are declared by the manufacturer.

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/11
Test Mode	LTE Band 17	Operating Frequency	710.0MHz

Voltage (%)	Power (VDC)	TEMP (%)	Freq. Dev. (Hz)	Deviation (ppm)	Result
100%	3.6	-30	1.92	0.0027	Pass
100%		-20	-1.03	-0.0015	Pass
100%		-10	0.79	0.0011	Pass
100%		0	0.41	0.0006	Pass
100%		+10	1.24	0.0017	Pass
100%		+20	2.66	0.0037	Pass
100%		+30	-0.94	-0.0013	Pass
100%		+40	0.46	0.0006	Pass
100%		+50	0.54	0.0008	Pass
Battery Upper	4.2	+20	-1.14	-0.0016	Pass
Battery Endpoint	3.4	+20	-1.47	-0.0021	Pass

Note: Battery upper voltage is 4.2Vdc, battery endpoint voltage is 3.4Vdc, which are declared by the manufacturer.

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/11
Test Mode	LTE Band 25	Operating Frequency	1882.5MHz

Voltage (%)	Power (VDC)	TEMP (%)	Freq. Dev. (Hz)	Deviation (ppm)	Result
100%	3.6	-30	2.19	0.0012	Pass
100%		-20	1.36	0.0007	Pass
100%		-10	-1.97	-0.0010	Pass
100%		0	5.59	0.0030	Pass
100%		+10	0.60	0.0003	Pass
100%		+20	2.78	0.0015	Pass
100%		+30	0.56	0.0003	Pass
100%		+40	1.69	0.0009	Pass
100%		+50	0.64	0.0003	Pass
Battery Upper	4.2	+20	3.22	0.0017	Pass
Battery Endpoint	3.4	+20	-0.11	-0.0001	Pass

Note: Battery upper voltage is 4.2Vdc, battery endpoint voltage is 3.4Vdc, which are declared by the manufacturer.

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/11
Test Mode	LTE Band 38	Operating Frequency	2595.0MHz

Voltage (%)	Power (V _{DC})	TEMP (%)	Freq. Dev. (Hz)	Deviation (ppm)	Result
100%	3.6	-30	-7.62	-0.0029	Pass
100%		-20	-6.49	-0.0025	Pass
100%		-10	-9.43	-0.0036	Pass
100%		0	5.05	0.0019	Pass
100%		+10	2.17	0.0008	Pass
100%		+20	-9.20	-0.0035	Pass
100%		+30	-6.87	-0.0026	Pass
100%		+40	-6.51	-0.0025	Pass
100%		+50	-9.37	-0.0036	Pass
Battery Upper	4.2	+20	-7.14	-0.0028	Pass
Battery Endpoint	3.4	+20	-4.95	-0.0019	Pass

Note: Battery upper voltage is 4.2Vdc, battery endpoint voltage is 3.4Vdc, which are declared by the manufacturer.

Product	Mobile Computer	Test Site	SIP-SR6
Test Engineer	Candy Luo	Test Date	2020/11/11
Test Mode	LTE Band 41	Operating Frequency	2593.0MHz

Voltage (%)	Power (V _{DC})	TEMP (%)	Freq. Dev. (Hz)	Deviation (ppm)	Result
100%	3.6	-30	-6.41	-0.0025	Pass
100%		-20	-2.09	-0.0008	Pass
100%		-10	-8.23	-0.0032	Pass
100%		0	-1.16	-0.0004	Pass
100%		+10	8.48	0.0033	Pass
100%		+20	-4.21	-0.0016	Pass
100%		+30	4.72	0.0018	Pass
100%		+40	5.74	0.0022	Pass
100%		+50	3.66	0.0014	Pass
Battery Upper	4.2	+20	2.55	0.0010	Pass
Battery Endpoint	3.4	+20	-1.90	-0.0007	Pass

Note: Battery upper voltage is 4.2Vdc, battery endpoint voltage is 3.4Vdc, which are declared by the manufacturer.

5.4. Equivalent Isotropically Radiated Power Measurement

5.4.1. Test Limit

Band 5:

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

Band 12, 13

Control stations and mobile stations transmitting in the 746-757 MHz, 776-788 MHz, and 805-806 MHz bands and fixed stations transmitting in the 787-788 MHz and 805-806MHz bands are limited to 30 watts ERP.

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.

Band 2, 25, 7, 38, 41:

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.

Band 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.

5.4.2. Test Procedures Used

ANSI C63.26-2015 - Section 5.2

5.4.3. Test Setting

Average power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.

The relevant equation for determining the maximum ERP or EIRP from the measured RF output power is given in Equation (1) as follows:

$$\text{ERP or EIRP} = P_{\text{Meas}} + G_T$$

where

ERP or EIRP effective radiated power or equivalent isotropically radiated power, respectively (expressed in the same units as P_{Meas} , e.g., dBm or dBW)