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F	For LTE Cat M
Report No:	CHTEW23060033 Report Verification:
Project No	SHT2303011905EW
FCC ID:	2ASLFGZHX-B300
Applicant:	Guangzhou Homesun Medical Technology Co., Ltd
Address	Floor 7th,TianxiangBusiness Building, No.28, Li Fu Road, Haizhu District, Guangzhou,GD .China
Product Name:	Smart Peak Flow Meter
Trade Mark	-
Model No	B300
Listed Model(s)	
Standard:	FCC CFR Title 47 Part 2
	FCC CFR Title 47 Part 24 Subpart E FCC CFR Title 47 Part 27
Date of receipt of test sample	Apr.25,2023
Date of testing	Apr.26,2023- Jun.12,2023
Date of issue	Jun.21,2023
Result	Pass
Compiled by (position+printedname+signature):	File administrators Xiaodong Zhao
Supervised by (position+printedname+signature):	Project Engineer Xiaodong Zhao
Approved by	Ltown & HM
(position+printedname+signature):	Manager Hans Hu
Testing Laboratory Name:	Shenzhen Huatongwei International Inspection Co., Ltd.
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The test report merely correspond to the test sample.

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1. TEST STANDARDS AND REPORT VERSION

1.1. Applicable Standards

The tests were performed according to following standards:

FCC CFR Title 47 Part 2: Frequency Allocations and Radio Treaty Matters; General Rules and Regulations

FCC CFR Title 47 Part 24 Subpart E: Broadband PCS

FCC CFR Title 47 Part 27: Miscellaneous Wireless Communications Services

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

KDB 971168 D01 Power Meas License Digital Systems v03: MEASUREMENT GUIDANCE FOR CERTIFICATION OF LICENSED DIGITAL TRANSMITTERS

1.2. Report version information

Revision No.	Date of issue	Description
N/A	2023-06-21	Original

2. TEST DESCRIPTION

Section	Test Item	Section in CFR 47	Result #1	Test Engineer
5.1	Conducted Output Power	Part 2.1046 Part 24.232(c) Part 27.50	Pass	Xiaodong Zhao
5.2	Peak-to-Average Ratio	Part 24.232 Part 27.50	Pass	Xiaodong Zhao
5.3	99% Occupied Bandwidth & 26 dB Bandwidth	Part 2.1049 Part 24.238(b) Part 27.53	Pass	Xiaodong Zhao
5.4	Band Edge	Part 2.1051 Part 24.238 Part 27.53	Pass	Xiaodong Zhao
5.5	Conducted Spurious Emissions	Part 2.1051 Part 24.238 Part 27.53	Pass	Xiaodong Zhao
5.6	Frequency stability vs temperature	Part 2.1055(a)(1)(b) Part 24.235 Part 27.54	Pass	Xiaodong Zhao
5.7	Frequency stability vs voltage	Part 2.1055(d)(1)(2) Part 24.235 Part 27.54	Pass	Xiaodong Zhao
5.8	ERP and EIRP	Part 24.232(b) Part 27.50	Pass	Xiaodong Zhao
5.9	Radiated Spurious Emissions	Part 2.1053 Part 24.238 Part 27.53	Pass	Yifan Wang

Note:

#1: The test result does not include measurement uncertainty value

3. SUMMARY

3.1. Client Information

Applicant:	Guangzhou Homesun Medical Technology Co., Ltd
Address:	Floor 7th,TianxiangBusiness Building, No.28, Li Fu Road, Haizhu District, Guangzhou,GD .China
Manufacturer:	Guangzhou Homesun Medical Technology Co., Ltd
Address:	Floor 7th,TianxiangBusiness Building, No.28, Li Fu Road, Haizhu District, Guangzhou,GD .China

3.2. Product Description

Main unit information:	
Product Name:	Smart Peak Flow Meter
Trade Mark:	-
Model No.:	B300
Listed Model(s):	-
Power supply:	DC 3.7V from Battery
Hardware version:	V1.0.1.20220801
Software version:	V1.0.1.20220825

3.3. Radio Specification Description

Support LTE type:	Cat M1		Cat M2			
	🛛 FDD Bar	nd 2	🛛 FDD Ba	nd 4	🗌 FDD Ba	nd 5
Que a set On section a Dans de	🖾 FDD Bar	nd 12	🛛 FDD Ba	nd 13	🗌 FDD Ba	nd 17
Support Operating Band:	FDD Band 25		FDD Band 26		TDD Band 41	
	🛛 FDD Bar	nd 66	🗌 FDD Ba	nd 71		
Operating Frequency Range:	Please refer	to note #2				
Channel bandwidth:	Please refer	to note #3	5			
			Cat	M1		
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz
Maulaura DD	6	6	6	6	6	6
Maximum RB:			Cat	M2		
	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz
	6	12	24	24	24	24

Uplink Modulation type:		🛛 16QAM	🗌 64QAM	256QAM
Downlink Modulation type:	🛛 QPSK	🛛 16QAM	🗌 64QAM	256QAM
Antenna type:	FPC			
Antenna gain #4:	5dBi			

Note:

- 🛛 : means that this feature is supported; 🗋 : means that this feature is not supported
- O #2: Operating frequency range is as follow:

LTE Band	Uplink frequency	Downlink frequency
FDD Band 2	1850.7 – 1909.3 MHz	1930.7 – 1989.3 MHz
FDD Band 4	1710.7 – 1754.3 MHz	2110.7 – 2154.3 MHz
FDD Band 12	699.7 – 715.3 MHz	729.7 – 745.3 MHz
FDD Band 13	779.5 – 784.5 MHz	748.5 – 753.5 MHz
FDD Band 66	1710.7 – 1779.3 MHz	2110.7 – 2179.3 MHz

O Supported channel bandwidth is as follow:

LTE Band	1.4MHz	3MHz	5MHz	10MHz	15MHz	20MHz
FDD Band 2	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark
FDD Band 4	\checkmark		\checkmark	\checkmark	\checkmark	
FDD Band 12	\checkmark		\checkmark	\checkmark	-	-
FDD Band 13	-	-	\checkmark	\checkmark	-	-
FDD Band 66	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark	\checkmark

 $\sqrt{}$: means that this feature is supported; -: means that this feature is not supported

O #4: The antenna gain is provided by the applicant, and the applicant should be responsible for its authenticity, HTW lab has not verified the authenticity of its information

3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International I	nspection Co., Ltd.
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Gongming, Shenzhen, China	Park, Genyu Road, Tianliao,
Contact information:	Tel: 86-755-26715499 E-mail: <u>cs@szhtw.com.cn</u> <u>http://www.szhtw.com.cn</u>	
Qualifications	Туре	Accreditation Number
Quanitzations	FCC	762235

4. TEST CONFIGURATION

4.1. Test frequency list

FDD Band 2	Test Frequency	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink
						[MHz]
		1.4	18607 18615	1850.7 1851.5	607 615	1930.7 1931.5
		5	18625	1852.5	625	1931.5
	Low Range	10	18650	1855	650	1935
		15 ^[1]	18675	1857.5	675	1937.5
	Mid Range	20 11	18700	1860	700	1940
	wild Range	1.4/3/5/10 15 ^[1] /20 ^[1]	18900	1880	900	1960
		1.4	19193	1909.3	1193	1989.3
		3	19185	1908.5	1185	1988.5
	High Range	5	19175 19150	1907.5 1905	1175 1150	1987.5 1985
		15 19	19125	1902.5	1125	1982.5
		20 [1]	19100	1900	1100	1980
	NOTE 1: Bandwidth 36.101 [2	for which a relaxatio 7] Clause 7.3) is allo		cified UE receiver s	sensitivity rec	quirement (TS
FDD Band 4	Test Frequency ID	Bandwidth	NuL	Frequency of	NDL	Frequency of
BB Balla I		[MHz]		Uplink [MHz]		Downlink
		4.4	10057	4740.7	1057	[MHz] 2110.7
		1.4	19957 19965	1710.7 1711.5	1957 1965	2110.7 2111.5
		5	19965	1711.5	1965	2111.5
	Low Range	10	20000	1715	2000	2115
		15	20025	1717.5	2025	2117.5
		20	20050	1720	2050	2120
	Mid Range	1.4/3/5/10/15/20	20175	1732.5	2175	2132.5
		1.4	20393 20385	1754.3 1753.5	2393 2385	2154.3 2153.5
		5	20385	1753.5	2385	2153.5
	High Range	10	20375	1752.5	2350	2152.5
		15	20325	1747.5	2325	2147.5
		20	20300	1745	2300	2145
FDD Band 12	Table 4.3.1.1.12-1	Test frequencies	for E-UTR	RA channel band	width for o	perating band 12
	Test Frequency ID	Bandwidth [MHz]	NUL	Frequency of Uplink [MHz]	NDL	Frequency of Downlink [MHz]
		1.4	23017	699.7	5017	729.7
	Low Range	3	23025	700.5	5025	730.5
	Low Range	5 [1]	23035	701.5	5035	731.5
	Mid Dance	10 [1]	23060	704	5060	734
	Mid Range	1.4/3 5 ^[1] /10 ^[1]	23095	707.5	5095	737.5
		1.4	23173	715.3	5173	745.3
	High Range	3	23165	714.5	5165	744.5
	riigit Kaliye	5[1]	23155	713.5	5155	743.5
	NOTE 1: Bandwidth	10 ^[1]	23130	711 cified UE receiver se	5130	741 virement
		1 [27] Clause 7.3) is a			choice requ	
FDD Band 13	Test Frequency ID	Bandwidth	NUL	Frequency of	Ndl	Frequency of
		[MHz] 5 ^[1]	23205	Uplink [MHz] 779.5	5205	Downlink [MHz] 748.5
	Law Danas	10 [1]			5205	748.5
	Low Range		23230	782		/51
	Mid Range	5 [1]/10 [1]	23230	782	5230	751
	Mid Range	5 ^[1] /10 ^[1] 5 ^[1]	23230 23255	782 784.5	5230 5255	751 753.5
	Mid Range High Range	5 ^[1] /10 ^[1] 5 ^[1] 10 ^[1]	23230 23255 23230	782 784.5 782	5230 5255 5230	751 753.5 751
	Mid Range High Range NOTE 1: Bandwidth	5 ^[1] /10 ^[1] 5 ^[1] 10 ^[1]	23230 23255 23230 n of the spec	782 784.5 782	5230 5255 5230	751 753.5 751
FDD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1:	5 [1]/10 [1] 5 [1] 10 [1] for which a relaxation [27] Clause 7.3) is a Test frequencie:	23230 23255 23230 n of the spec llowed.	782 784.5 782 cified UE receiver se	5230 5255 5230 nsitivity requi	751 753.5 751 rement
FDD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10	5 ^[1] /10 ^[1] 5 ^[1] 10 ^[1] for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz]	23230 23255 23230 n of the spec llowed. s for E-UT NuL	782 784.5 782 ciffed UE receiver se RA channel bar Frequency o Uplink [MHz	5230 5255 5230 nsitivity requi	751 753.5 751 rement r operating band Frequency of Downlink [MHz]
FDD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10) Table 4.3.1.1.66-1:	5 ^[1] /10 ^[1] 5 ^[1] 10 ^[1] for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4	23230 23255 23230 n of the spec llowed. s for E-UT NuL 131979	782 784.5 782 iffied UE receiver se RA channel bar Frequency o Uplink [MHz 9 1710.7	5230 5255 5230 nsitivity requi ndwidth fo f N _{DL} 66443	751 753.5 751 rement r operating band Frequency of Downlink [MHz] 2110.7
FDD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID	5 ^[1] /10 ^[1] 5 ^[1] 10 ^[1] for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [[MHz] 1.4 3	23230 23255 23230 n of the spec llowed. s for E-UT NuL 131979 131987	782 784.5 782 cified UE receiver se 'RA channel bar Prequency o Uplink [MHz] 9 1710.7 7 1711.5	5230 5255 5230 nsitivity requi ndwidth fo f NDL 66443 66451	751 753.5 751 rement r operating band Frequency of Downlink [MH2] 2110.7 2111.5
FDD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10) Table 4.3.1.1.66-1:	5 ^[1] /10 ^[1] 5 ^[1] /10 ^[1] 10 ^[1] for which a relaxation [127] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5	23230 23255 23230 nof the speci llowed. s for E-UT NuL 131979 131987 131997	782 784.5 782 201600000000000000000000000000000000000	5230 5255 5230 nsitivity requi adwidth fo f NoL 66443 664451 66461	751 753.5 751 rement roperating band Frequency of Downlink [MH2] 2110.7 2111.5 2112.5
⁻ DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID	5 ^[1] /10 ^[1] 5 ^[1] 10 ^[1] for which a relaxation for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10	23230 23255 23230 nof the speci llowed. s for E-UT NuL 131979 131987 131997 132022	782 784.5 782 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011	5230 5255 5230 nsitivity requi ndwidth fo f NoL 1 66443 66451 66461 66486	751 753.5 751 rement r operating band Frequency of Downlink [MHz] 2110.7 2111.5 2112.5 2115
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID	5 ^[1] /10 ^[1] 5 ^[1] /10 ^[1] 10 ^[1] for which a relaxation [127] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5	23230 23255 23230 nof the speci llowed. s for E-UT NuL 131979 131987 131997	782 784.5 782 cified UE receiver se 'RA channel bar Uplink [MHz] 1710.7 7 1711.5 7 1715.7 7 1717.5	5230 5255 5230 nsitivity requi adwidth fo f NoL 66443 664451 66461	751 753.5 751 rement r operating band Frequency of Downlink [MHz] 2110.7 2111.5 2115 2115 2117.5
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹	5 ^[1] /10 ^[1] 5 ^[1] 10 ^[1] for which a relaxation for which a relaxation [27] Clause 7 3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10 15 20 1.4/3/5/10/15/20	23230 23255 23230 of the specillowed. s for E-UT NuL 131997 132022 132047 132047 132027	782 784.5 782 2011 <	5230 5255 5230 nsitivity requi ndwidth fo f NoL 1 66443 66451 66486 66511	751 753.5 751 rement roperating band Frequency of Downlink [MHz] 2110.7 2111.5 2112.5 2115 2117.5 2117.5 2120 2145
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10) Table 4.3.1.1.66-1: Test Frequency ID Low Range	5 ^[1] /10 ^[1] 5 ^[1] /10 ^[1] 10 ^[1] for which a relaxation for which a relaxation [[27] Clause 7.3) is a Test frequencie: Bandwidth [[MHz] 1.4 3 5 10 15 20	23230 23255 23230 n of the speci llowed. s for E-UT 131997 131997 131997 132022 132047 132022 132047 132022 1322422	782 784.5 782 cified UE receiver se FRA channel bar Prequency o Uplink [MHz 9 1710.7 7 1711.5 7 1715.7 7 1717.5 2 1745 2 1745	5230 5255 5230 nsitivity requi	751 753.5 751 rement r operating band d Frequency of Downlink [MHz] 2110.7 2111.5 2112.5 2115 2115 2115 2115 2115
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹	5 ^{[17} /10 ^[1] 5 ^[17] 10 ^[11] for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10 1.5 20 1.4/3/5/10/15/20 1.4	23230 23255 23230 of the specilowed. s for E-UT 131997 131997 132022 132047 132072 132047 132072 132042 132422 132422	782 784.5 782 2016 2016 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 201745 201775 201779.3	5230 5255 5230 nstitvity requi	751 753.5 751 rement roperating band Frequency of Downlink [MH2] 2110.7 2111.5 2112.5 2115 2117.5 2120 2145 2155 2179.3
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹ Mid Range	5 ^[1] /10 ^[1] 5 ^[1] 10 ^[1] 10 ^[1] for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10 15 20 1.4/3/5/10/15/10/15/10/15/10/15/10/15/10/15/10/15/10/15/10/15/10/15/10/15/10/15/10/15/1	23230 23255 23230 n of the specilowed. s for E-UT 131975 131987 132022 132047 132027 132022 1322422 132422 132422 132655	782 784.5 782 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2111 <	5230 5255 5230 nsitivity requi ndwidth fo f NpL 66443 66443 664451 66461 66513 66646 66736 66736 66736	751 753.5 751 rement roperating band Frequency of Downlink [MHz] 2110.7 2111.5 2112.5 2117.5 2117.5 2117.5 2120 2145 2145 2179.3 2178.5
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹ Mid Range	5 ^[1] /10 ^[1] 5 ^[1] /10 ^[1] 10 ^[1] for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10 15 20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3 5	23230 23255 23230 of the speciliowed. s for E-UT 131975 131987 131987 131987 132072 132047 132022 132247 132266 1322657 132667	782 784.5 782 2011 <	5230 5255 5230 nsitivity requi	751 753.5 751 rement r operating band Frequency of Downlink [MHz] 2110.7 2111.5 2112.5 2115 2115 2115 2115 2115
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹ Mid Range	5 ^[17] /10 ^[1] 5 ^[17] 10 ^[11] for which a relaxation for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4 3 5 10 10 1.4 10 10	23230 23255 23230 of the specilowed. s for E-UT 131977 131987 131987 132022 132047 132022 1322427 132047 132022 132427 132657 132657 132667	782 784.5 782 786 787 788 20166 Vertex P 7 <tr< td=""><td>5230 5255 5230 nstitvity requi ndwidth fo f Not 1 66443 66451 66451 66456 66726 66726 66726 66726 67721 67711</td><td>751 753.5 751 rement roperating band Frequency of Downlink [MH2] 2110.7 2111.5 2112.5 2115 2117.5 2120 2145 2155 2179.3 2179.3 2175</td></tr<>	5230 5255 5230 nstitvity requi ndwidth fo f Not 1 66443 66451 66451 66456 66726 66726 66726 66726 67721 67711	751 753.5 751 rement roperating band Frequency of Downlink [MH2] 2110.7 2111.5 2112.5 2115 2117.5 2120 2145 2155 2179.3 2179.3 2175
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹ Mid Range	5 ^[1] /10 ^[1] 5 ^[1] /10 ^[1] 10 ^[1] 10 ^[1] for which a relaxation 1 [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10 1.4/3/5/10/15/20 1.5 10 10 10 10 10 10 10 10 10 10	23230 23255 23230 n of the specilowed. s for E-UT 131977 131997 132022 132047 132027 132047 132027 132047 132647 132647 132647 132647 132647 132647	782 784.5 782 2016 2016 2017 2017 2017 2017 2017 2017 2017 2017 2017 2017 21715 21745 21745 21745 21775 7177.5 71777.5 71775 71772.5	5230 5255 5230 nsitivity requi ndwidth fo f N _{DL} 66443 66451 66451 66456 66786 677888 67788 67788 677888 677888 677888 677888 6778888 677888 6	751 753.5 751 rement roperating band Frequency of Downlink [MHz] 2110.7 2111.5 2112.5 2115 2117.5 2120 2145 2179.3 2179.3 2177.5 2177.5 2177.5 2177.5
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹ Mid Range	5 ^[1] /10 ^[1] 5 ^[1] /10 ^[1] 10 ^[1] 10 ^[1] for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10 1.5 20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.5 20	23230 23255 23230 n of the specilowed. s for E-UT 131975 131987 131987 131987 132072 132047 132047 132047 132665 132667 132667 132667 132667 132667 132667 132667	782 784.5 782 2011 <	5230 5255 5230 nsitivity requi dwidth fo f Not.] 66443 66451 66466 66576 66768 66768 67129 67121 67111 67086 67061 67061	751 753.5 751 rement roperating band Frequency of Downlink [MHz] 2110.7 2111.5 2112.5 2115 2115 2115 2115 2115
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹ Mid Range	5 ^[17] /10 ^[1] 5 ^[17] 10 ^[11] for which a relaxation for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4 3 5 10 1.4 3 5 10 1.4 3 5 10 1.4 3 5 10 1.4 3 5 10 1.4 3 5 10 1.4 3 5 10 1.4 3 5 10 1.4 3 5 10 1.4 3 5 10 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 16 10 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 10 15 20 1.4 10 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 15 20 1.4 1.4 15 20 1.4 1.4 15 20 1.4 1.4 1.4 15 20 1.4 1.4 1.4 1.4 1.4 1.4 1.4 1.4	2330 23255 23255 23230 of the specilowed. s for E-UT 131977 131987 131987 131997 132022 132047 132027 132047 132657 132657 132657 132657 132572 NA	782 784.5 782 784.5 782 ilfied UE receiver se P 7 9 1710.7 1711.5 7 1712.5 2 1745 2 1745 2 1775 1777.5 2 1775 1777.5 2 1775 1777.5 2 1770 NA	5230 5255 5230 nstitvity requi ndwidth fo f Not 1 66443 66451 66451 66451 66456 66786 66886 66786 66786 66786 677121 67061 67061 67066 67086 670	751 753.5 751 rement roperating band Frequency of Downlink [MH2] 2110.7 2111.5 2112.5 2117.5 2112.5 2117.5 2179.3 2179.3 2177.5 2177.5 2177.5 2170 2199.3
⁻ DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10) Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹ Mid Range Paired High Range ²	5 ^[1] /10 ^[1] 5 ^[1] /10 ^[1] 10 ^[1] 10 ^[1] for which a relaxation Test frequencie: Bandwidth [MHz] 1.4 3 5 10 1.4/3/5/10/15/20 1.4/3/5/10/15/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/10/15/10/15/10/15/1	23230 23255 23230 n of the specilowed. s for E-UT 131977 131997 132022 132047 132027 132242 132422 132647 132647 132657 132647 132657 132657 132572 NA	782 784.5 782 2016 2016 2017 <	5230 5255 5230 nsitivity requi ndwidth fo f NoL 66443 66443 664511 664651 66456 66752 67729 67721 67036 67036 67036 67036 67036 67036 67036 67036 67036 67036 67036 67036 67036 67036 677329 677329	751 753.5 751 rement roperating band Frequency of Downlink [MHz] 2110.7 2111.5 2112.5 2115 2117.5 2115 2117.5 2179.3 2179.3 2177.5 2177.5 2177.5 2177.5 2177.5 2177.5 2177.5 2177.5 2177.5 2177.5 2177.5 2178.5 2179.3 2199.3 2198.5
DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10 Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹ Mid Range	5 ^[1] /10 ^[1] 5 ^[1] /10 ^[1] 10 ^[1] 10 ^[1] for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10 1.4 3 5 10 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.5 20 1.5 20 1.4 3 5 5	23230 23255 23230 n of the specilowed. s for E-UT Nut. 131975 131987 131987 131987 132072 132047 132022 132422 132665 132667 132667 132667 132667 132672 NA NA NA NA	782 784.5 782 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2112.5 21715 21745 21745 21745 21778.5 71777.5 21770 NA NA NA	5230 5255 5230 nsitivity requi dwidth fo f l 66443 66451 66463 66451 66466 66706 66706 67026 67129 67121 67111 67086 670	751 753.5 751 rement roperating band Downlink [MHz] 2110.7 2111.5 2112.5 2115 2117.5 2115 2117.5 2145 2145 2145 2179.3 2178.5 2177.5 21
-DD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10) Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹ Mid Range Paired High Range ²	5 ^{[17} /10 ^[1] 5 ^[17] 10 ^[11] for which a relaxation for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [[MHz] 1.4 3 5 10 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3 5 10 15 20 1.4 3 5 10 15 20 1.4 3 5 10 15 20 1.4 3 5 10 10 15 20 1.4 3 5 10 10 15 20 1.4 3 5 10 10 15 20 1.4 3 5 10 10 15 20 1.4 3 5 10 10 1.4 3 5 10 10 1.4 3 5 10 10 10 10 10 10 10 10 10 10	2330 23255 23255 23230 of the specilowed. s for E-UT 131977 131987 131987 131987 131997 132022 132047 132022 132047 132057 132657 13657 13265757 1326577 13265757 1326577 1326577 13265757 1326577 1326577 13	782 784.5 782 784.5 782 ilfied UE receiver se P 7 9 1710.7 1711.5 1712.5 2 1715 1712.5 2 1745 1779.3 7 1775 1777.5 2 1775 1777.5 2 1770 NA NA NA NA	5230 5255 5230 scalar scal	751 753.5 751 rement roperating band Frequency of Downlink [MH2] 2110.7 2111.5 2112.5 2117.5 2112.5 2117.5 2120 2145 2179.3 2179.3 2177.5 2177.5 2177.5 2170 2199.3 2199.3 2199.5 2195
FDD Band 66	Mid Range High Range NOTE 1: Bandwidth (TS 36.10) Table 4.3.1.1.66-1: Test Frequency ID Low Range Mid Range Tx ¹ Mid Range Paired High Range ²	5 ^[1] /10 ^[1] 5 ^[1] /10 ^[1] 10 ^[1] 10 ^[1] for which a relaxation [27] Clause 7.3) is a Test frequencie: Bandwidth [MHz] 1.4 3 5 10 1.4 3 5 10 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.4/3/5/10/15/20 1.5 20 1.5 20 1.4 3 5 5	23230 23255 23230 n of the specilowed. s for E-UT Nut. 131975 131987 131987 131987 132072 132047 132022 132422 132665 132667 132667 132667 132667 132672 NA NA NA NA	782 784.5 782 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 2011 211 </td <td>5230 5255 5230 nsitivity requi dwidth fo f l 66443 66451 66463 66451 66466 66706 66706 67026 67129 67121 67111 67086 670</td> <td>751 753.5 751 rement rement 70perating band Frequency of Downlink [MHz] 2110.7 2111.5 2112.5 2115 2117.5 2115 2117.5 2120 2145 2145 2175.5 2177.5 2177.5 2177.5 2177.5 2177.5 2177.5 2177.5 2179.3 2198.5 2199.3 2198.5 2195 2192.5</td>	5230 5255 5230 nsitivity requi dwidth fo f l 66443 66451 66463 66451 66466 66706 66706 67026 67129 67121 67111 67086 670	751 753.5 751 rement rement 70perating band Frequency of Downlink [MHz] 2110.7 2111.5 2112.5 2115 2117.5 2115 2117.5 2120 2145 2145 2175.5 2177.5 2177.5 2177.5 2177.5 2177.5 2177.5 2177.5 2179.3 2198.5 2199.3 2198.5 2195 2192.5

4.2. Test mode

Test mode	Link mode

- Antenna port conducted and radiated test items were performed according to KDB 971168 D01 Power Meas. License Digital Systems and ANSI C63.26 with maximum output power.
- 2) Radiated measurements were performed with rotating EUT in different three orthogonal test planes to find the maximum emission.

Test configuration is as follow:

Test Items	Bandwidth	Modulation		RB #	
rest tierns	Danuwiuth	wooulation	1	Half	Full
Conducted Output Power	#5	#6	0	0	0
Peak-to-Average Ratio	#5	#6	0	-	0
99% Occupied Bandwidth & 26 dB Bandwidth	#5	#6	-	-	0
Band Edge	#5	#6	0	-	0
Conducted Spurious Emission	#5	#6	0	-	-
Frequency Stability	#5	#6	-	-	0
ERP and EIRP	#5	#6	0	0	0
Radiated Spurious Emission	#5	#6	0	-	-

Note:

O #5: Test all kind of bandwith in section 3.3

O #6: Test all kind of uplink modulation in section 3.3

O o: means that this configuration is chosen for testing

O -: means that this configuration is not test.

O The device is investigated from 30MHz to10 times offundamental signal for radiated spurious emission test under different bandwidth, modulations and RB size/offset in exploratory test. Subsequently, only the worst case emissions (highest bandwidth, QPSK, and 1RB0) are reported.

4.3. Test sample information

Test item	HTW sample no.
Conducted test items	Please refer to the description in the appendix report
Radiated test items	YPHT23030119006

Note:

Conducted test items: Conducted Output Power, Peak-Average Ratio, 99% Occupied Bandwidth & 26 dB Bandwidth, Band Edge, Conducted Spurious Emissions, Frequency stability, ERP and EIRP

Radiated test items: Radiated Spurious Emission

4.4. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Whethe	er support unit is used?			
✓	No			
Item	Equipment	Trade Name	Model No.	Other
1				
2				

4.5. Testing environmental condition

	VN=Nominal Voltage	DC 3.70V
Voltage	VL=Lower Voltage	DC 4.07V
	VH=Higher Voltage	DC 3.33V
Tomporatura	TN=Normal Temperature	25 °C
Temperature	Extreme Temperature	From −30°C to + 50°C
Humidity	30~60 %	
Air Pressure	950-1050 hPa	

4.6. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	Conducted Output Power	0.66
2	Peak-to-Average Ratio	-
3	99% Occupied Bandwidth & 26 dB Bandwidth	0.002%
4	Band Edge	1.68dB
5	Conducted Spurious Emissions	1.68dB
6	Frequency stability	0.02ppm
7	Radiated Spurious Emission	4.54dB for 30MHz-1GHz
I		5.10dB for above 1GHz

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

•	Conducted test item								
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)		
•	Spectrum Analyzer	Agilent	HTWE0286	N9020A	MY50510187	2022/08/25	2023/08/24		
•	Radio communication tester	R&S	HTWE0287	CMW500	137688-Lv	2022/08/25	2023/08/24		
•	Test software	Tonscend	N/A	JS1120	N/A	N/A	N/A		
•	T-Cock	Weinschel	HTWE0289	1580	SC329	2022/08/25	2023/08/24		

•	Radiated Spu	rious Emission					
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Semi-Anechoic Chamber	Albatross projects	HTWE0122	SAC-3m-01	C11121	2023/4/17	2026/4/16
•	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2022/8/25	2023/8/24
•	Spectrum Analyzer	R&S	HTWE0385	N9020A	MY54486658	2022/8/25	2023/8/24
•	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0123	VULB9163	538	2021/4/6	2024/4/5
•	Horn Antenna	SCHWARZBECK	HTWE0126	BBHA 9120D	1011	2023/2/14	2026/2/13
•	Pre-Amplifer	CD	HTWE0071	PAP-0102	12004	2023/5/25	2024/5/24
•	Broadband Pre- amplifier	SCHWARZBECK	HTWE0201	BBV 9718	9718-248	2023/5/25	2024/5/24
•	Test Software	Audix	N/A	E3	N/A	N/A	N/A

•	Auxiliary Equi	pment					
Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Radio communication tester	R&S	HTWE0287	CMW500	137688-Lv	2022/08/25	2023/08/24
•	High pass filter	Wainwright	HTWE0297	WHKX3.0/18G-10SS	38	2023/05/15	2024/05/14
•	Band Stop filter	-	HTWE0039	N/A	N/A	2023/01/26	2024/01/25

Page:

5.1. Conducted Output Power

<u>LIMIT</u>

N/A

TEST CONFIGURATION



Communication Tester

TEST PROCEDURE

- 1. The EUT output port was connected to communication tester.
- 2. Set EUT at maximum power through communication tester.
- 3. Select lowest, middle, and highest channels for each band and different modulation.
- 4. Measure the maximum burst average power.

TEST MODE

Please refer to the clause 4.2

TEST RESULTS

☑ Passed □ Not Applicable

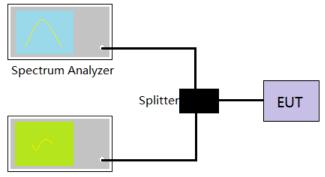
<u>TEST DATA</u>

5.2. Peak-to-Average Ratio

<u>LIMIT</u>

13dB

TEST CONFIGURATION



Communication Tester

TEST PROCEDURE

- 1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
- 2. Set EUT in maximum power output.
- 3. Center Frequency = Carrier frequency, RBW > Emission bandwidth of signal
- 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.
 - i. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms.
 - ii. For bursttransmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that issynced 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 whichthetransmitter is operating at maximum power
- 6. Record the maximum PAPR level associated with a probability of 0.1%.

TEST MODE

Please refer to the clause 4.2

TEST RESULTS

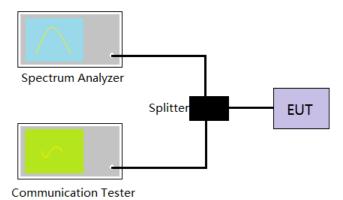
☑ Passed □ Not Applicable

TEST DATA

5.3. 99% Occupied Bandwidth & 26 dB Bandwidth

N/A

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
- 2. Set EUT in maximum power output.
- Spectrum analyzer setting as follow: Center Frequency= Carrier frequency, RBW=51kHz, VBW= 200kHz, Detector=Peak, Trace maximum hold.
- 4. Record the value of 99% Occupied bandwidth and 26dB bandwidth.

TEST MODE

Please refer to the clause 4.2

TEST RESULTS

🛛 Passed

Not Applicable

TEST DATA

5.4. Band Edge

<u>LIMIT</u>

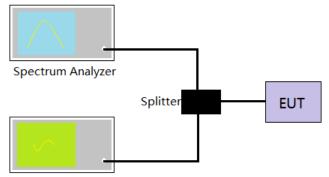
Part 24.238 and Part 27.53 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

Part 27.53(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;
- 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;
- 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.

TEST CONFIGURATION



Communication Tester

TEST PROCEDURE

- 1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
- 2. Set EUT in maximum power output.
- 3. The band edges of low and high channels were measured.
- 4. Spectrum analyzer setting as follow:

RBW= no less than 1% of the OBW, VBW =3 * RBW, Sweep time= Auto

5. Record the test plot.

TEST MODE

Please refer to the clause 4.2

TEST RESULTS

☑ Passed □ Not Applicable

TEST DATA

5.5. Conducted Spurious Emissions

<u>LIMIT</u>

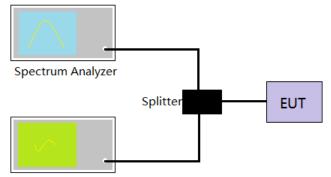
Part 24.238 and Part 27.53 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

Part 27.53(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;
- 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;
- 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.

TEST CONFIGURATION



Communication Tester

TEST PROCEDURE

- 1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
- 2. Set EUT in maximum power output.
- 3. Spectrum analyzer setting as follow:

Below 1GHz, RBW=100kHz, VBW = 300kHz, Detector=RMS, Sweep time= Auto Above 1GHz, RBW=1MHz, VBW=3MHz, Detector= RMS, Sweep time= Auto Scan frequency range up to 10th harmonic.

4. Record the test plot.

TEST MODE

Please refer to the clause 4.2

TEST RESULTS

☑ Passed □ Not Applicable

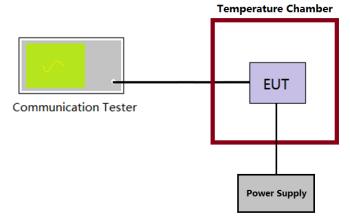
TEST DATA Refer to the appendix report

5.6. Frequency stability VS Temperature measurement

<u>LIMIT</u>

2.5ppm

TEST CONFIGURATION



TEST PROCEDURE

- 1. The equipment under test was connected to an external DC power supply and input rated voltage.
- 2. The EUT output port was connected to communication tester.
- 3. The EUT was placed inside the temperature chamber.
- 4. Turn EUT off and set the chamber temperature to –30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency.
- 5. Repeat step 4 measure with 10°C increased per stage until the highest temperature of +50°C reached.

TEST MODE

Please refer to the clause 4.2

TEST RESULTS

🛛 Passed

Not Applicable

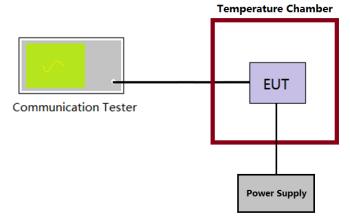
<u>TEST DATA</u>

5.7. Frequency stability VS Voltage measurement

LIMIT

2.5ppm

TEST CONFIGURATION



TEST PROCEDURE

- 1. The equipment under test was connected to an external DC power supply and input rated voltage.
- 2. The EUT output port was connected to communication tester.
- 3. The EUT was placed inside the temperature chamber at 25°C
- The power supply voltage to the EUT was varied ±15% of the nominal value measured at the input to the EUT
- 5. Record the maximum frequency change.

TEST MODE

Please refer to the clause 4.2

TEST RESULTS

🛛 Passed

Not Applicable

TEST DATA Refer to the appendix report

5.8. ERP and EIRP

<u>LIMIT</u>

LTE Band 2: 2W EIRP

LTE Band 4/66: 1W EIRP

LTE Band 12/13: 3W ERP

TEST PROCEDURE

- 1. According to the power tested in section 5.1, select the maximum power in each mode, and use the following formula to calculate the corresponding ERP/EIRP.
- 2. ERP = conducted power + Gain(dBd)
- EIRP = conducted power + Gain(dBi)
 ERP = EIRP 2.15

TEST RESULTS

☑ Passed □ Not Applicable

TEST DATA

5.9. Radiated Spurious Emission

<u>LIMIT</u>

Part 24.238 and Part 27.53 specify that 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.

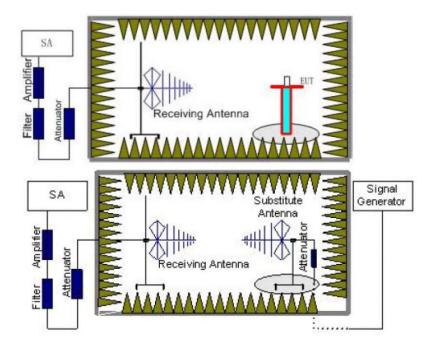
The specification that emissions shall be attenuated below the transmitter power (P) by at least 43 + 10 log (P) dB, translates in the relevant power range (1 to 0.001 W) to -13 dBm. At 1 W the specified minimum attenuation becomes 43 dB and relative to a 30 dBm (1 W) carrier becomes a limit of -13 dBm. At 0.001 W (0 dBm) the minimum attenuation is 13 dB, which again yields a limit of -13 dBm. In this way a translation of the specification from relative to absolute terms is carried out.

Part 27.53(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;
- 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;
- 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.

Part 27.53(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.

TEST CONFIGURATION



TEST PROCEDURE

- 1. Place the EUT in the center of the turntable.
 - a) For radiated emissions measurements performed at frequencies less than or equal to 1 GHz, the EUT shall be placed on a RF-transparent table at a nominal height of 80 cm above the reference ground plane
 - b) For radiated measurements performed at frequencies above 1 GHz, the EUT shall be placed on an RF transparent table at a nominal height of 1.5 m above the ground plane.
- 2. Unless the EUT uses an integral antenna, the EUT shall be terminated with a non-radiating transmitter load. In cases where the EUT uses an adjustable antenna, the antenna shall be adjusted through typical

positions and lengths to maximize emissions levels.

- 3. The EUT shall be tested while operating on the frequency per manufacturer specification. Set the transmitter to operate in continuous transmit mode.
- 4. Receiver or Spectrum set as follow:

Below 1GHz, RBW=100kHz, VBW=300kHz, Detector=Peak, Sweep time=Auto

Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peck, Sweep time=Auto

- 5. Each emission under consideration shall be evaluated:
 - a) Raise and lower the measurement antenna from 1 m to 4 m, as necessary to enable detection of the maximum emission amplitude relative to measurement antenna height.
 - b) Rotate the EUT through 360° to determine the maximum emission level relative to the axial position.
 - c) Return the turntable to the azimuth where the highest emission amplitude level was observed.
 - d) Vary the measurement antenna height again through 1 m to 4 m again to find the height associated with the maximum emission amplitude.
 - e) Record the measured emission amplitude level and frequency
- 6. Repeat step 5 for each emission frequency with the measurement antenna oriented in both the horizontal and vertical polarizations to determine the orientation that gives the maximum emissions amplitude.
- Set-up the substitution measurement with the reference point of the substitution antenna located as near as possible to where the center of the EUT radiating element was located during the initial EUT measurement.
- 8. Maintain the previous measurement instrument settings and test set-up, with the exception that the EUT is removed and replaced by the substitution antenna.
- 9. Connect a signal generator to the substitution antenna; locate the signal generator so as to minimize any potential influences on the measurement results. Set the signal generator to the frequency where emissions are detected, and set an output power level such that the radiated signal can be detected by the measurement instrument, with sufficient dynamic range relative to the noise floor.
- 10. For each emission that was detected and measured in the initial test
 - a) Vary the measurement antenna height between 1 m to 4 m to maximize the received (measured) signal amplitude.
 - b) Adjust the signal generator output power level until the amplitude detected by the measurement instrument equals the amplitude level of the emission previously measured directly in step 5 and step 6.
 - c) Record the output power level of the signal generator when equivalence is achieved in step b).
- 11. Repeat step 8 through step 10 with the measurement antenna oriented in the opposite polarization.
- 12. Calculate the emission power in dBm referenced to a half-wave dipole using the following equation:

Pe = Ps(dBm) - cable loss (dB) + antenna gain (dBd)

where

Pe = equivalent emission power in dBm

Ps = source (signal generator) power in dBm

NOTE—dBd refers to the measured antenna gain in decibels relative to a half-wave dipole.

13. Correct the antenna gain of the substitution antenna if necessary to reference the emission power to a half-wave dipole. When using measurement antennas with the gain specified in dBi, the equivalent dipole-referenced gain can be determined from:

gain (dBd) = gain (dBi) - 2.15 dB.

If necessary, the antenna gain can be calculated from calibrated antenna factor information

14. Provide the complete measurement results as a part of the test report.

TEST MODE

Please refer to the clause 4.2

TEST RESULTS

☑ Passed □ Not Applicable

Note: only show the worse case for QPSK modulation.

					LTE	Band 2			
Test channel:		Lo	W		F	Polarization	:		Horizontal
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Pream dB	p Level dBm	Limit dBm	Over limit	Remark
1	214.96	-60.34	19.53	2.23	30.50	-69.08	-13.00	-56.08	Peak
2	650.76	-72.09	28.50	4.13	30.07	-69.53	-13.00	-56.53	Peak
3	1192.17	-73.55	36.54	5.77	29.66	-60.90	-13.00	-47.90	Peak
4	2519.18	-64.72	39.17	9.52	27.83	-43.86	-13.00	-30.86	Peak
5	7009.96	-61.87	47.66	6.99	41.09	-48.31	-13.00	-35.31	Peak
6	11545.04	-71.92	52.94	8.98	40.15	-50.15	-13.00	-37.15	Peak
Fest cha	nnel:	Lo	Low		F	Polarization	:		Vertical
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Pream dB	p Level dBm	Limit dBm	Over limit	Remark
1	214.96	-61.42	18.55	2.23	30.50	-71.14	-13.00	-58.14	Peak
2	650.76	-75.09	28.32	4.13	30.07	-72.71	-13.00	-59.71	Peak
3	1385.81	-74.52	37.70	6.34	29.46	-59.94	-13.00	-46.94	Peak
4	2519.18	-62.25	39.22	9.52	27.83	-41.34	-13.00	-28.34	Peak
5	6956.63	-64.45	47.36	6.97	41.08	-51.20	-13.00	-38.20	Peak
6	10971.98	-70.52	52.76	8.61	41.10	-50.35	-13.00	-37.35	Peak

Test channel:			ldle		F	Polarization	n:	Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark	
1	34.90	-68.02	27.00	0.85	30.90	-71.07	-13.00	-58.07	Peak	
2	220.31	-62.07	19.41	2.25	30.51	-70.92	-13.00	-57.92	Peak	
3	1314.63	-73.42	36.98	6.13	29.58	-59.89	-13.00	-46.89	Peak	
4	2849.03	-80.25	40.81	12.90	25.43	-51.97	-13.00	-38.97	Peak	
5	6956.63	-57.70	47.45	6.97	41.08	-44.36	-13.00	-31.36	Peak	
6	11112.52	-70.07	52.93	8.74	40.81	-49,21	-13.00	-36.21	Peak	
Test cha	nnel:	Mic	Idle		F	Polarizatio	n:		Vertical	
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark	
1	172.85	-69.25	20.01	1.96	30.57	-77.85	-13.00	-64.85	Peak	
1 2 3	650.76	-74.47	28.32	4.13	30.07	-72.09	-13.00	-59.09	Peak	
3	1519.79	-74.56	37.76	6.74	29.49	- 59.55	-13.00	-46.55	Peak	
4	2880.50	-79.44	40.82	11.99	25.29	-51.92	-13.00	-38.92	Peak	
5	6956.63	-61.22	47.36	6.97	41.08	-47.97	-13.00	-34.97	Peak	
6	11341.14	-72.63	53.08	8.92	40.35	-50.98	-13.00	-37.98	Peak	

Test channel: High			h Polarization:						Horizontal	
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark	
1	205.35	-62.83	19.90	2.18	30.47	-71.22	-13.00	-58.22	Peak	
2	650.76	-73.14	28.50	4.13	30.07	-70.58	-13.00	-57.58	Peak	
3	1367.66	-73.39	37.09	6.27	29.43	-59.46	-13.00	-46.46	Peak	
4	2402.94	-53.31	39.80	9.28	28.66	-32.89	-13.00	-19.89	Peak	
5	6956.63	-64.94	47.45	6.97	41.06	-51.60	-13.00	-38.60	Peak	
6	11752.50	-70.87	52.77	9.11	40.30	-49.29	-13.00	-36.29	Peak	
Test cha	nnel:	Hig	lh		Po	larization	:		Vertical	
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark	
1	220.31	-63.29	18.80	2.25	30.51	-72.75	-13.00	-59.75	Peak	
2	650.76	-74.30	28.32	4.13	30.07	-71.92	-13.00	-58.92	Peak	
2 3	1480.24	-73.35	37.76	6.74	29.42	-58.27	-13.00	-45.27	Peak	
4	2426.82	-55.56	39.30	9.14	28.43	-35.55	-13.00	-22.55	Peak	
5	6956.63	-60.34	47.36	6.97	41.08	-47.09	-13.00	-34.09	Peak	
6	10534.09	-72.16	52.35	8.53	39.93	-51.21	-13.00	-38.21	Peak	

					LTE B	Band 4			
Test cha	nnel:	Lo	w		Po	larization	:		Horizontal
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	34.05	-66.96	26.86	0.84	30.91	-70.17	-13.00	-57.17	Peak
1 2 3	214.96	-59.77	19.53	2.23	30.50	-68.51	-13.00	-55.51	Peak
3	1240.27	-73.81	36.82	5.96	29.73	-60.76	-13.00	-47.76	Peak
4	2402.94	-53.28	39.80	9.28	28.66	-32.86	-13.00	-19.86	Peak
5	6956.63	-59.65	47.45	6.97	41.08	-46.31	-13.00	-33.31	Peak
6	11226.25	-71.45	52.94	8.84	40.59	-50.26	-13.00	-37.26	Peak
Test cha	nnel:	Lo	W		Po	larization	:		Vertical
Mark	Frequency	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
	MHZ								Bk
1	214.96	-62.55	18.55	2.23	30.50	-72.27	-13.00	-59.27	Peak
2	650.76	-73.91	28.32	4.13	29.67	-71.53	-13.00	-36.33	Peak
5	1286.06	-73.13	37.25	6.07		-59.48	-13.00		Peak
4	2410.87	-66.42	39.31	9.23	28.59	-46.47	-13.00	-33.47	Peak
5	6956.63	-57.79	47.36	6.97	41.08	-44.54		-31.54	Peak
0	11457.21	-71.63	53.17	8.95	40.12	-49.63	-13.00	-36.63	Peak

Test cha	nnel:	Mic	ldle		F	Polarizatio	n:		Horizontal	
Mark	Frequency	Reading	Antenna dB	Cable dB	Preamp dB		Limit	Over limit	Remark	
1	MHz 33.93	dBm -68.36	26.84	0.84	30,91	dBm -71.59	dBm -13.00	-58.59	Peak	
1 2	214.96	-62.58	19.53	2.23	30.50	-71.33	-13.00	-58.32	Peak	
2	1249.84	-74.26	36.84	6.00	29.73	-61.15	-13.00	-48.15	Peak	
2	2849.03	-74.20	40.81	12.90	25,43	-50.06	-13.00		Peak	
5	6956.63	-62.81	40.81	6.97	41.08	-49.47	-13.00		Peak	
6	11545.04	-70.58	52.94	8.98	40.15	-48.81		-35.81	Peak	
Test cha	nnel:	Mic	ldle		F	Polarizatio	n:		Vertical	
Mark	Frequency	Reading	Antenna	Cable	Preamp		Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit		
1	220.31	-63.67	18.80	2.25	30.51	-73.13	-13.00	-60.13	Peak	
2	650.76	-73.61	28.32	4.13	30.07	-71.23	-13.00	-58.23	Peak	
3	1201.38	-73.83	36.85	5.81	29.64	-60.81	-13.00	-47.81	Peak	
4	2426.82	-55.74	39.30	9.14	28.43	-35.73	-13.00	-22.73	Peak	
5	6956.63	-60.19	47.36	6.97	41.08	-46.94	-13.00	-33.94	Peak	
6	11663.19	-72.03	53.13	9.03	40.24	-50.11	-13 00	-37.11	Peak	

Fest cha	nnel:	Hi	gh		P	olarization	1:		Horizontal	
Mark	Frequency	Reading	Antenna	Cable	Preamp		Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit		
1	34.90	-69,80	27.00	0.85	30.90	-72.85	-13.00	-59.85	Peak	
1 2 3	650.76	-73.86	28.50	4.13	30.07	-71.30	-13.00	-58.30	Peak	
	1354.21	-74.56	37.07	6.22	29.40	-60.67	-13.00	-47.67	Peak	
4	2615.06	-52.16	38.90	10.13	26.75	-29.88	-13.00	-16.88	Peak	
5	7009.96	-63.46	47.66	6.99	41.09	-49.90	-13.00	-36.90	Peak	
6	11515.68	-71.76	52.97	8.97	40.13	-49.95	-13,00	-36.95	Peak	
Fest cha	nnel:	Hi	gh		P	olarization	1:		Vertical	
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark	
1	214.96	-59.83	18.55	2.23	30.50	-69.55	-13.00	-56.55	Peak	
1 2 3	835.32	-74.23	29.79	4.79	30.02	-69.67	-13.00	-56.67	Peak	
3	1405.75	-74.44	37.76	6.45	29.50	-59.73	-13.00	-46.73	Peak	
4	2200.76	-75.37	41.72	8.50	29,44	-54.59	-13.00	-41.59	Peak	
	6956.63	-60.71	47.36	6.97	41.08	-47.46	-13.00	-34.46	Peak	
5					12100					

Test cha	nnel:	Lo	W		Po	larization	:		Horizontal
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark
FIGT N	MHz	dBm	dB	dB	dB	dBm	dBm	limit	Remark
1	35.89	-95.92	27.16	0.86	0.00	-67.90	-13.00	-54.90	Peak
2	429.75	-93.48	26.01	3.28	0.00	-64.19	-13.00	-51.19	Peak
3	1498.91	-60.93	36.55	3.18	42.56	-63.76	-13.00	-50.76	Peak
4	2810.85	-63.86	40.75	4.35	42.03	-60.79	-13.00	-47.79	Peak
5	4223.95	-64.76	42.36	5.27	41.45	-58.58	-13.00	-45.58	Peak
6	6956.63	-63.83	47.45	6.97	41.08	-50.49	-13.00	-37.49	Peak
Fest cha	nnel:	Lo	W		Po	larization	:		Vertical
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark
	MHz	dBm	dB	dB	dB	dBm	dBm	limit	
1	100.57	-95.00	25.67	1.50	0.00	-67.83	-13.00	-54.83	Peak
2	440.46	-94.49	25.59	3.33	0.00	-65.57	-13.00	-52.57	Peak
3	1406.50	-52.45	37.76	3.08	42.60	-54.21	-13.00	-41.21	Peak
4	3570.71	-65.39	42.18	4.81	41.79	-60.19	-13.00	-47.19	Peak
5	6956.63	-65.61	47.36	6.97	41.08	-52.36	-13.00	-39.36	Peak
6	10400.86	-70.51	51.97	8.51	39.50	-49.63	-13.00	-36.63	Peak

Test char	nnel:	Mid	ldle		Po	olarizatio	n:		Horizontal	
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit		
1	40.74	-94.66	27.43	0.92	0.00	-66.31	-13.00	-53.31	Peak	
2	438.91	-92.39	26.04	3.32	0.00	-63.03	-13.00	-50.03	Peak	
3	1406.50	-49.42	37.12	3.08	42.60	-51.82	-13.00	-38.82	Peak	
4	2474.92	-48.42	39.41	4.03	42.14	-47.12	-13.00	-34.12	Peak	
5	4223.95	-57.49	42.36	5.27	41.45	-51.31	-13.00	-38.31	Peak	
6	6956.63	-52.48	47.45	6.97	41.03	-39.14	-13.00	-26.14	Peak	
Fest char	nnel:	Mid	ldle		Po	olarizatio	n:		Vertical	
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark	
1	MHz 96.76	dBm -92.94	dB 25.79	dB 1,47	dB 0.00	dBm -65.68	dBm -13.00	limit -52.68	Peak	
2	368.06	-93.07	25.00	3.07	0.00	-65.00	-13.00	-52.00	Peak	
3	1406.50	-50.88	37.76	3.08	42.60	-52.64	-13.00	-39.64	Peak	
	2493.90	-57.98	39.24	4.05	42.13	-56.82	-13.00	-43.82	Peak	
30		21.20	22.24					-39.22	Peak	
4	4501.49	-59.69	43.26	5.44	41.23	-52.22	-13.00			

Test cha	nnel:	Hig	lh		Po	larization	:		Horizontal	
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark	
1	40.74	-95.58	27.43	0.92	0.00	-67.23	-13.00	-54.23	Peak	
1 2 3	413.44	-94.13	25.80	3.20	0.00	-65.13	-13.00	-52.13	Peak	
3	1498.91	-58.49	36.55	3.18	42.56	-61.32	-13.00	-48.32	Peak	
4	4223.95	-60.33	42.36	5.27	41.45	-54.15	-13.00	-41.15	Peak	
5	6956.63	-64.14	47.45	6.97	41.08	-50.80	-13.00	-37.80	Peak	
6	10321.74	-71.17	51.23	8.50	39.60	-51.04	-13.00	-38.04	Peak	
Test cha	nnel:	Hig	ıh		Po	larization	:		Vertical	
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit		
1	99.52	-94.65	25.76	1.49	0.00	-67.40	-13.00	-54.40	Peak	
2 3	451.43	-94.38	25.23	3.38	0.00	-65.77	-13.00	-52.77	Peak	
З	1498.91	-60.45	37.76	3.18	42.56	-62.07	-13.00	-49.07	Peak	
4	3049.39	-65.67	41.14	4.49	41.92	-61.96	-13.00	-48.96	Peak	
5	5086.52	-68.65	44.25	5.80	40.83	-59.43	-13.00	-46.43	Peak	
6	6956.63	-64.22	47.36	6.97	41.08	-50.97	-13.00	-37.97	Peak	

Test cha	nnel:	Lo	w		P	olarization	:	Horizontal	
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Pream dB	p Level	Limit dBm	Over limit	Remark
1	33.93	-94.75	26.84	0.84	0.00		-13.00	-54.07	Peak
2	394.97	-93.28	25.31	3.11	0.00	-64.86	-13.00	-51.86	Peak
3	1254.27	-62.96	36.85	2.88	42.66	-65.89	-13.00	-52.89	Peak
4	2097.51	-63.80	40.04	3.70	42.34	-62.40	-13.00	-49.40	Peak
5	3634.91	-65.45	42.35	4.93	41.76	-59.93	-13.00	-46.93	Peak
6	6956.63	-62.55	47.45	6.97	41.08	-49.21	-13.00	-36.21	Peak
Test cha	nnel:	Lo	W		P	olarization	:		Vertical
Mark	Frequency	Reading	Antenna	Cable	Pream	p Level	Limit	Over	Remark
	MHz	dBm	dB	dB	dB	dBm	dBm	limit	
1	99.52	-96.08	25.76	1.49	0.00		-13.00	-55.83	Peak
2	482.62	-93.69	25.81	3,52	0.00		-13.00	-51.36	Peak
3	1498.91	-59.08	37.76	3.18	42.56	-60.70	-13.00	-47.70	Peak
4	3616.45	-65.43	42.57	4.90	41.77	-59.73	-13.00	-46.73	Peak
5	6956.63	-62.09	47.36	6.97	41.08	-48.84	-13.00	-35.84	Peak
6	10217.17	-69.66	51.30	8.44	39.72	-49.64	-13.00	-36.64	Peak

Test char	nnel:	Mid	ldle		P	olarizatio	n:		Horizontal
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	40.03	-96.87	27.77	0.91	0.00	-68.19	-13.00	-55.19	Peak
1 2 3	397.75	-93.58	25.37	3.12	0.00	-65.09	-13.00	-52.09	Peak
3	1498.91	-50.14	36.55	3.18	42.56	-52.97	-13.00	-39.97	Peak
4	2400.47	-38.55	39.82	3.98	42.20	-36.95	-13.00	-23.95	Peak
5	4501.49	-61.89	43.20	5.44	41.23	-54.48	-13.00	-41.48	Peak
5	6956.63	-51.86	47.45	6.97	41.08	-38,52	-13.00	-25.52	Peak
Test char	nnel:	Mid	ldle		P	olarizatio	n:		Vertical
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	90.82	-93.35	25.88	1.43	0.00	-66.04	-13.00	-53.04	Peak
2	498.14	-93.80	26.21	3.58	0.00	-64.01	-13.00	-51.01	Peak
3	1498.91	-52.93	37.76	3.18	42.56	-54.55	-13.00	-41.55	Peak
4	2493.90	-58.62	39.24	4.05	42.13	-57.46	-13.00	-44.46	Peak
5	4501.49	-61.10	43.26	5.44	41.23	-53.63	-13.00	-40.63	Peak
6	6956.63	-50.75	47.36	6.97	41.08	-37.50	-13.00	-24.50	Peak

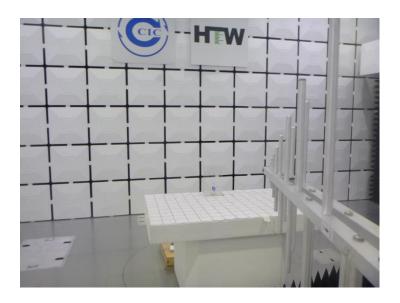
est cha	nnel:	Hig	gh		Po	olarization	:		Horizontal	
Mark	Frequency	Reading	Antenna	Cable	Preamp	Level	Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit		
1	35.89	-95.29	27.16	0.86	0.00	-67.27	-13.00	-54.27	Peak	
2	425.24	-94.36	26.00	3.26	0.00	-65.10	-13.00	-52.10	Peak	
3	1498.91	-61.81	36.55	3.18	42.56	-64.64	-13.00	-51.64	Peak	
4	3041.64	-65.12	41.11	4.48	41.92	-61.45	-13.00	-48.45	Peak	
5	6956.63	-62.50	47.45	6.97	41.08	-49.16	-13.00	-36.16	Peak	
6	10217.17	-69.26	50.97	8.44	39.72	-49.57	-13.00	-36.57	Peak	
Test cha	nnel:	Hi	gh		Po	larization	:		Vertical	
Mark	Frequency	Reading	Antenna	Cable	Preamp		Limit	Over	Remark	
1	MHz 88.93	dBm -95.33	dB 25.42	dB 1,42	dB 0.00	dBm -68,49	dBm -13.00	limit -55.49	Peak	
1 2 3	512.36	-95.55	25.97	3.64	0.00	-64.44	-13.00	-51.49	Peak	
2										
	1498.91	-62.09	37.76	3.18	42.56	-63.71	-13.00	-50.71	Peak	
4	3096.33	-64.58	41.25	4.52	41.89	-60.70	-13.00	-47.70	Peak	
5	6956.63	-62.18	47.36	6.97	41.08	-48.93	-13.00	-35.93	Peak	
6	11545.04	-71.39	53.19	8.98	40.15	-49.37	-13.00	-36.37	Peak	

		<u> </u>			LTE				
Test cha	nnel:	Lo	W		F	Polarization	:	Horizontal	
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Pream dB	p Level dBm	Limit dBm	Over limit	Remark
1 2	33.93	-68.63	26.84	0.84	30.91	-71.86	-13.00	-58.86	Peak
2	650.76	-72.96	28.50	4.13	30.07		-13.00	-57.40	Peak
3	1342.36	-73.90	37.04	6.18	29.43		-13.00	-47.11	Peak
4	2877.34	-78.13	40.85	12.08	25.30	-50.50	-13.00	-37.50	Peak
5	6956.63	-58.91	47.45	6.97	41.08	-45.57	-13.00	-32.57	Peak
6	11399.03	-69.32	52.97	8.93	40.24	-47.66	-13.00	-34.66	Peak
Test cha	nnel:	Lo	W		F	Polarization	:		Vertical
Mark	Frequency	Reading	Antenna	Cable	Pream		Limit	Over	Remark
~	MHz	dBm	dB	dB	dB	dBm	dBm	limit	
1	34.90	-67.62	19.55	0.85	30.90		-13.00	-65.12	Peak
2	188.07	-68.31	20.26	2.09	30.52	CARGE CONTRACT	-13.00	-63.48	Peak
3	1370.57	-74.42	37.63	6.28	29.43		-13.00	-46.94	Peak
4	2459.02	-73.73	39.27	9.07	28.14		-13.00	-40.53	Peak
5	6956.63	-59.03	47.36	6.97	41.08		-13.00	-32.78	Peak
6	11603.96	-70.55	53.16	8.99	40.20	-48.60	-13.00	-35.60	Peak

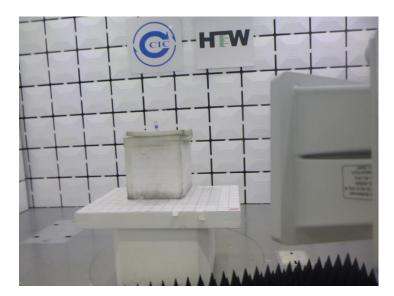
Test cha	nnel:	Mi	ddle			Polarizatio	n:		Horizontal	
Mark	Frequency	Reading	Antenna	Cable	Pream	0.000000	Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit	to a second	
1	34.90	-69.14	27.00	0.85	30.90		-13.00	-59.19	Peak	
1 2 3	650.76	-72.68	28.50	4.13	30.07	-70.12	-13.00	-57.12	Peak	
3	1224.03	-72.68	36.79	5.90	29.69	-59.68	-13.00	-46.68	Peak	
4	2480.73	-67.41	39.38	9.25	28.01	-46.79	-13.00	-33.79	Peak	
5	3480.97	-57.56	40.74	4.72	41.82	-53.92	-13.00	-40.92	Peak	
6	6956.63	-52.89	47.45	6.97	41.03	- 39.55	-13.00	-26.55	Peak	
Test chai	nnel:	Mi	ddle			Polarizatio	n:		Vertical	
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Pream dB	p Level dBm	Limit dBm	Over limit	Remark	
1	57.50	-71.75	23.37	1.09	31.06		-13.00	-65.35	Peak	
2	214.96	-64.23	18.55	2.23	30.50		-13.00	-60.95	Peak	
3	1255.35	-73.50	37.11	6.01	29.72		-13.00	-47.10	Peak	
4	2424.15	-68.67	39.30	9.16	28.45		-13.00	-35.66	Peak	
					100000000					
5	3480.97	-53.61	40.83	4.72	41.82		-13.00	-36.88	Peak	
6	6956.63	-50.93	47.36	6.97	41.08	-37.68	-13.00	-24.68	Peak	

Fest chai	nnel:	Hiç	gh		P	olarization	1:		Horizontal	
Mark	Frequency	Reading	Antenna	Cable	Preamp		Limit	Over	Remark	
	MHz	dBm	dB	dB	dB	dBm	dBm	limit	BH	
1	34.90	-67.13	27.00	0.85	30.90	-70.18	-13.00	-57.18	Peak	
2	214.96	-59.76	19.53	2.23	30.50	-68.50	-13.00	-55.50	Peak	
3	1396.51	-73.75	37.15	6.39	29.49	-59.70	-13.00	-46.70	Peak	
4	2839.65	-78.66	40.79	12.90	25,49	-50.46	-13.00	-37.46	Peak	
5	3480.97	-61.28	40.74	4.72	41.82	-57.64	-13.00	-44.64	Peak	
6	6956.63	-57.35	47.45	6.97	41.08	-44.01	-13.00	-31.01	Peak	
est cha	nnel:	Hiç	gh		P	olarization	:		Vertical	
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Pream dB	p Level dBm	Limit dBm	Over limit	Remark	• • • •
1	214.96	-60.30	18.55	2,23	30.50		-13.00	-57.02	Peak	
2	650.76	-72.66	28.32	4.13	30.07	and the second se	-13.00	-57.28	Peak	
1	1367.66	-74.40	37.62	6.27	29.43	and the second second	-13.00	-46.94	Peak	
	2830.31	-78.92	40.73	12.90	25.56		-13.00	-37.85	Peak	
		-/0.92	40.75	12.30	- CT - C - C - C - C - C - C - C - C - C			-38.59		
4	5230.96	-60.72	43.95	5.90	40.72	-51.59	-13.00		Peak	

6. TEST SETUP PHOTOS OF THE EUT







Shenzhen Huatongwei International Inspection Co., Ltd.

7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

External Photos







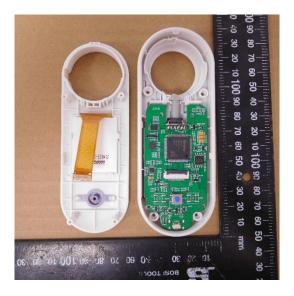


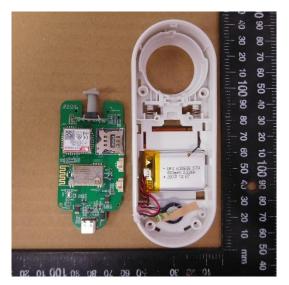


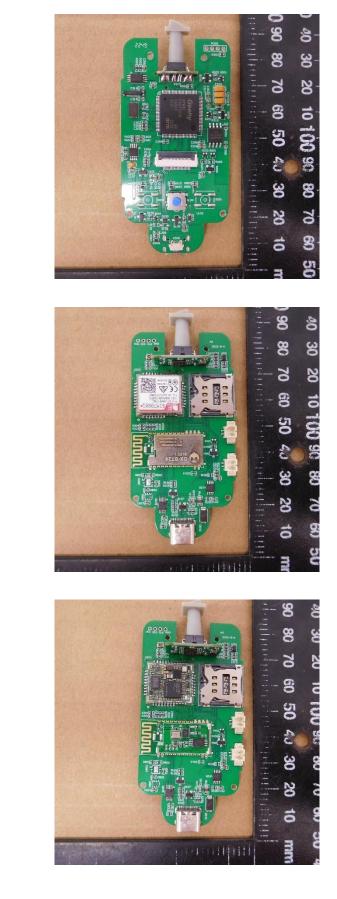


Internal Photos















8. APPENDIX REPORT