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FCC REPORT

Report Reference No.....: CHTEW19070067

Report verification:

Project No.....: SHT1906035901EW

FCC ID.....: 2AB2FLS-H28Y

Applicant's name.....: Lisheng (Fujian) Communications Co., Ltd.

Address...... Lisheng (Fujian) Communications Co., Ltd.

Test item description: 5#, Chongxiang St., Econ. & Tech. Area, Quanzhou, China

Trade Mark IP Walkie Talkie

Model/Type reference.....: Lisheng

Listed Model(s) H-28Y

Standard: FCC CFR Title 47 Part 2

FCC CFR Title 47 Part 22 FCC CFR Title 47 Part 24 FCC CFR Title 47 Part 27

Date of receipt of test sample........... Jun 19, 2019

Date of testing...... Jun 20, 2019- Jul 16, 2019

Date of issue...... Jul 17, 2019

Result.....: Pass

Compiled by

(position+printedname+signature)...: File administrators Silvia Li

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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 Rules Part 2: FREQUENCY ALLOCATIONS AND RADIO TREATY MATTERS; GENERAL RULES AND REGULATIONS

FCC Rules Part 22: PUBLIC MOBILE SERVICES

FCC Rules Part 24: PERSONAL COMMUNICATIONS SERVICES

FCC Rules 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	2019-07-17	Original

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2. Test Description

Test Item	Section in CFR 47	Result	Test Engineer	
	Part 2.1046			
Conducted Output Power	Part 22.913(a)	Pass	Jiongsheng Feng	
Conducted Catput Circle	Part 24.232(c)	1 455	Giorigonorig i orig	
	Part 27.50			
Peak-to-Average Ratio	Part 24.232	Pass	Jiongsheng Feng	
T can to Average Natio	Part 27.50	1 433	Siongsheng reng	
	Part 2.1049			
99% Occupied Bandwidth & 26 dB	Part 22.917(b)	Pass	Jiongsheng Feng	
Bandwidth	Part 24.238(b)	1 055	Jiongsheng reng	
	Part 27.53			
	Part 2.1051			
Band Edge	Part 22.917	Pass	Jiongsheng Feng	
Band Edge	Part 24.238	Fass	Jiongsheng Feng	
	Part 27.53			
	Part 2.1051			
Conducted Spurious Emissions	Part 22.917	Pass	liongohong Eong	
Conducted Spurious Emissions	Part 24.238	Pass	Jiongsheng Feng	
	Part 27.53			
	Part 2.1055(a)(1)(b)			
Frequency stability VS Temperature	Part 22.355	Pass	Jiongsheng Feng	
l requericy stability v3 remperature	Part 24.235	Fass	Jiongsheng Feng	
	Part 27.54			
	Part 2.1055(d)(1)(2)			
Frequency stability VS Voltage	Part 22.355	Pass	Jiongsheng Feng	
rrequericy stability v3 voltage	Part 24.235	F a 5 5	Jiongsheng Feng	
	Part 27.54			
	Part 22.913(a)			
ERP and EIRP	Part 24.232(b)	Pass	Shower Dai	
	Part 27.50			
	Part 2.1053			
Padiated Spurious Emissions	Part 22.917	Pass	Shower Dai	
Radiated Spurious Emissions	Part 24.238	F d 5 5	Shower Dai	
	Part 27.53			

Note: The measurement uncertainty is not included in the test result.

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3. **SUMMARY**

3.1. Client Information

Applicant:	Lisheng (Fujian) Communications Co., Ltd.
Address:	5#, Chongxiang St., Econ. & Tech. Area, Quanzhou, China
Manufacturer:	Lisheng (Fujian) Communications Co., Ltd.
Address:	5#, Chongxiang St., Econ. & Tech. Area, Quanzhou, China

3.2. Product Description

o.z. Troudet Description									
Name of EUT:	IP Walkie Talkie								
Trade Mark:	Lisheng								
Model No.:	H-28Y								
Listed Model(s):	-								
Power supply:	DC 3.7V								
Adapter information: Model:LD-0502C Input:100-240Va.c., 50/60Hz, 0.15A Output:5.0Vd.c., 2000mA									
Hardware version:	ordware version: DJ026_MB_V4.0								
Software version:	re version: T53								
4G									
Operation Band:		☑ FDD Band 4☑ FDD Band 12☑ FDD Band 25	☑ FDD Band 5☑ FDD Band 13☑ FDD Band 26						
Transmit frequency:	FDD Band 2: FDD Band 4: FDD Band 5: FDD Band 7: FDD Band 12: FDD Band 13: FDD Band 17: FDD Band 25: FDD Band 26:	1850.7 MHz - 1909.3 1710.7 MHz - 1754.3 824.7 MHz - 848.3 M 2502.5 MHz - 2567.5 699.7 MHz - 715.3 M 779.5 MHz - 784.5 M 706.5 MHz - 713.5 M 1850.7 MHz - 1914.3 M 824.7 MHz - 848.3 M	MHz Hz MHz Hz Hz Hz Hz						
Receive frequency:	FDD Band 2: FDD Band 4: FDD Band 5: FDD Band 7: FDD Band 12: FDD Band 13: FDD Band 17: FDD Band 25: FDD Band 26:	1930.7 MHz - 1989.3 2110.7 MHz - 2154.3 869.7 MHz - 893.3 M 2622.5 MHz - 2687.5 729.7 MHz - 745.3 M 748.5 MHz - 753.5 M 736.5 MHz - 743.5 M 1930.7 MHz - 1994.3 M 869.7 MHz - 893.3 M	MHz Hz MHz Hz Hz Hz Hz						

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Antenna Gain	Band2:0dBi Band4:0dBi Band5:0dBi Band7:0dBi Band12:0dBi Band13:0dBi Band17:0dBi Band25:0dBi Band26:0dBi					
Antenna type	External Antenna					
Modulation type:	QPSK, 16QAM					
Power Class:	Class 3	Class 3				
	FDD Band 17: FDD Band 25: FDD Band 26:	5MHz, 10MHz 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz				
Channel bandwidth:	FDD Band 7: FDD Band 12: FDD Band 13:	5MHz, 10MHz, 15MHz, 20MHz 1.4MHz, 3MHz, 5MHz, 10MHz 5MHz, 10MHz				
	FDD Band 2: FDD Band 4: FDD Band 5:	1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz 1.4MHz, 3MHz, 5MHz, 10MHz, 15MHz, 20MHz 1.4MHz, 3MHz, 5MHz, 10MHz				

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3.3. Operation state

Test frequency list

Toot froquerioy flot	1					
FDD Band 2	Test Frequency ID	Bandwidth [MHz]	NuL	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink
	10		,			[MHz]
		1.4 3	18607 18615	1850.7 1851.5	607 615	1930.7 1931.5
	Low Range	5	18625	1852.5	625	1932.5
	- Low Hange	10 15 ^[1]	18650 18675	1855 1857.5	650 675	1935 1937.5
		رتا 20	18700	1860	700	1940
	Mid Range	1.4/3/5/10 15 ^[1] /20 ^[1]	18900	1880	900	1960
		1.4	19193	1909.3	1193	1989.3
		<u>3</u>	19185 19175	1908.5 1907.5	1185 1175	1988.5 1987.5
	High Range	10	19150	1905	1150	1985
		15 ^[1]	19125 19100	1902.5 1900	1125 1100	1982.5 1980
	NOTE 1: Bandwidth		ion of the spe			
	36.101 [27	Clause 1.5) is all	loweu.			
FDD Band 4	Test Frequency ID	Bandwidth [MHz]	NuL	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
		1.4	19957	1710.7	1957	2110.7
	Law Barrer	3 5	19965 19975	1711.5 1712.5	1965 1975	2111.5 2112.5
	Low Range	10 15	20000 20025	1715 1717.5	2000	2115 2117.5
		20	20050	1720	2025 2050	2120
	Mid Range	1.4/3/5/10/15/20 1.4	20175 20393	1732.5 1754.3	2175 2393	2132.5 2154.3
		3	20385	1753.5	2385	2153.5
	High Range	5 10	20375 20350	1752.5 1750	2375 2350	2152.5 2150
		15	20325	1747.5	2325	2147.5
		20	20300	1745	2300	2145
FDD Band 5	Test Frequency ID	Bandwidth	N _{UL}	Frequency of	N _{DL}	Frequency of Downlink
		[MHz]		Uplink [MHz]		[MHz]
		1.4 3	20407 20415	824.7 825.5	2407 2415	869.7 870.5
	Low Range	5	20425	826.5	2425	871.5
		10 [1]	20450	829	2450	874
	Mid Range	1.4/3/5 10 ^[1]	20525	836.5	2525	881.5
		1.4 3	20643 20635	848.3 847.5	2643 2635	893.3 892.5
	High Range	5	20625	846.5	2625	891.5
	NOTE 1: Bandwidth fo	10 ^[1]	20600	844	2600	889
		Clause 7.3) is allo				
FDD Band 7	Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
	1	5 10	20775 20800	2502.5 2505	2775 2800	2622.5 2625
	Low Range	15	20825	2507.5	2825	2627.5
		20 ^[1] 5/10/15	20850	2510	2850	2630
	Mid Range	5/10/15 20 ^[1]	21100	2535	3100	2655
	1 157.5	5 10	21425 21400	2567.5 2565	3425 3400	2687.5 2685
	High Range	15 20 ^[1]	21375	2562.5	3375	2682.5
	NOTE 1: Bandwidth for	or which a relaxation		2560 ified UE receiver ser	3350 nsitivity requi	2680 rement (TS
	36.101 [27	Clause 7.3) is allo	wed.		-	
	1					
FDD Band 12	Table 4.3.1.1.12-1:	Test frequencie	s for E-UTF	RA channel band	width for o	perating band 1
	Test Frequency ID	Bandwidth	NuL	Frequency of	N _{DL}	Frequency of
		[MHz] 1.4	23017	Uplink [MHz] 699.7	5017	Downlink [MHz] 729.7
	Low Range	3	23025	700.5	5025	730.5
	25	5 [1] 10 [1]	23035 23060	701.5 704	5035 5060	731.5 734
	Mid Range	1.4/3	23095	707.5	5095	737.5
		5 [1]/10 [1]	23173	715.3	5173	745.3
	High Range	3	23165	714.5	5165	744.5
	riigii ixaliye	5 [1] 10 [1]	23155 23130	713.5 711	5155 5130	743.5 741
	NOTE 1: Bandwidth	for which a relaxati	ion of the spe			
		[27] Clause 7.3) is	allowed.			
	(TS 36.101					
FDD Band 13		Bandwidth [MHz]	NuL	Frequency of	NDL	Frequency of
FDD Band 13	(TS 36.101	[MHz] 5 [1]	23205	779.5	5205	748.5
FDD Band 13	Test Frequency ID	[MHz] 5 [1] 10 [1]	23205 23230	779.5 782	5205 5230	748.5 751
FDD Band 13	Test Frequency ID Low Range Mid Range	[MHz] 5 [1] 10 [1] 5 [1]/10 [1] 5 [1]	23205 23230 23230 23255	779.5 782 782 784.5	5205 5230 5230 5255	748.5 751 751 753.5
FDD Band 13	Test Frequency ID Low Range Mid Range High Range	[MHz] 5 (1) 10 (1) 5 (1)/10 (1) 5 (1) 10 (1)	23205 23230 23230 23255 23230	Uplink [MHz] 779.5 782 782 784.5 782	5205 5230 5230 5255 5230	748.5 751 751 753.5 751
FDD Band 13	Test Frequency ID Low Range Mid Range High Range NOTE 1: Bandwidtl	[MHz] 5 (1) 10 (1) 5 (1)/10 (1) 5 (1) 10 (1)	23205 23230 23230 23255 23230 tion of the spe	Uplink [MHz] 779.5 782 782 784.5 782	5205 5230 5230 5255 5230	748.5 751 751 753.5 751

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FDD Band 17	Test Frequency ID	Bandwidth	NuL	Frequency of	N _{DL}	Frequency of
1 DD Dana 17		[MHz]		Uplink [MHz]		Downlink [MHz]
	Low Range	5 [1]	23755	706.5	5755	736.5
		10 [1]	23780	709	5780	739
	Mid Range	5 [1]/10 [1]	23790	710	5790	740
	High Range	5 ^[1]	23825	713.5	5825	743.5
	NOTE 1: Bandwidth f		23800	711	5800	741
		e 7.3) is allowed.	or the speci	ned OE receiver seri	isitivity requi	ement (15 36, 101
FDD Band 25	Test Frequency ID	Bandwidth [MHz]	N _{UL}	Frequency of Uplink [MHz]	N _{DL}	Frequency of Downlink [MHz]
		1.4	26047	1850.7	8047	1930.7
		3	26055	1851.5	8055	1931.5
	I I I Danse	5	26065	1852.5	8065	1932.5
	Low Range	10	26090	1855	8090	1935
		15 ^[1]	26115	1857.5	8115	1937.5
		20 [1]	26140	1860	8140	1940
	Mid Range	1.4/3/5/10 15 ^[1] /20 ^[1]	26365	1882,5	8365	1962.5
		1.4	26683	1914.3	8683	1994.3
		3	26675	1913.5	8675	1993.5
	High Range	5	26665	1912.5	8665	1992.5
	Thigh realige	10	26640	1910	8640	1990
		15 [1]	26615	1907.5	8615	1987.5
		20 [1]	26590	1905	8590	1985
	NOTE 1: Bandwidth (TS 36.10	1 for which a relaxation 1 [27] Clause 7.3) is		Decilied UE receiver	sensitivity i	equirement
FDD Band 26						
FDD Band 26	Test Frequency			Frequency of		Fraguency of
FDD Band 26	Test Frequency	Banwidth[MHz]	N _{UL}	Frequency of	N _{DL}	Frequency of
FDD Band 26	Test Frequency	Banwidth[MHz]		Uplink [MHz]	N _{DL}	Downlink [MHz]
FDD Band 26	1 1	Banwidth[MHz]	N _{UL} 26797		N _{DL} 8797	' '
FDD Band 26	1 1			Uplink [MHz]	N _{DL}	Downlink [MHz]
FDD Band 26	1 1	1.4	26797	Uplink [MHz] 824.7	N _{DL} 8797	Downlink [MHz] 869.7
FDD Band 26	ID	1.4	26797 26805	Uplink [MHz] 824.7 825.5	N _{DL} 8797 8805	Downlink [MHz] 869.7 870.5
FDD Band 26	ID	1.4 3 5	26797 26805 26815	Uplink [MHz] 824.7 825.5 826.5	N _{DL} 8797 8805 8815	Downlink [MHz] 869.7 870.5 871.5
FDD Band 26	ID	1.4 3 5 10	26797 26805 26815 26840	Uplink [MHz] 824.7 825.5 826.5 829	N _{DL} 8797 8805 8815 8840	Downlink [MHz] 869.7 870.5 871.5 874
FDD Band 26	ID Low Range	1.4 3 5 10 15	26797 26805 26815 26840 26865	Uplink [MHz] 824.7 825.5 826.5 829 831.5	N _{DL} 8797 8805 8815 8840 8865	Downlink [MHz] 869.7 870.5 871.5 874 876.5
FDD Band 26	ID Low Range	1.4 3 5 10 15 1.4/3/5/10/15	26797 26805 26815 26840 26865 26915	Uplink [MHz] 824.7 825.5 826.5 829 831.5 836.5	N _{DL} 8797 8805 8815 8840 8865 8915	Downlink [MHz] 869.7 870.5 871.5 874 876.5 881.5
FDD Band 26	ID Low Range	1.4 3 5 10 15 1.4/3/5/10/15 1.4	26797 26805 26815 26840 26865 26915 27033	Uplink [MHz] 824.7 825.5 826.5 829 831.5 836.5 848.3	N _{DL} 8797 8805 8815 8840 8865 8915 9033	Downlink [MHz] 869.7 870.5 871.5 874 876.5 881.5 893.3
FDD Band 26	Low Range Mid Range	1.4 3 5 10 15 1.4/3/5/10/15 1.4	26797 26805 26815 26840 26865 26915 27033 27025	Uplink [MHz] 824.7 825.5 826.5 829 831.5 836.5 848.3 847.5	N _{DL} 8797 8805 8815 8840 8865 8915 9033 9025	Downlink [MHz] 869.7 870.5 871.5 874 876.5 881.5 893.3 892.5
FDD Band 26	Low Range Mid Range	1.4 3 5 10 15 1.4/3/5/10/15 1.4 3 5	26797 26805 26815 26840 26865 26915 27033 27025 27015	Uplink [MHz] 824.7 825.5 826.5 829 831.5 836.5 848.3 847.5 846.5	8797 8805 8815 8840 8865 8915 9033 9025 9015	Downlink [MHz] 869.7 870.5 871.5 874 876.5 881.5 893.3 892.5 891.5

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3.4. EUT operation mode

For RF test items

The EUT has been tested under typical operating condition. Testing was performed by configuring EUT to maximum output power status.

				Bandwic	Ith (MHz)			Modu	ulation		RB#	
Test Items	Band	1.4	3	5	10	15	20	QPSK	16QAM	1	Half	Full
	2	0	0	0	0	0	0	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	-	-	0	0	0	0	0
Conducted Output	7	-	-	0	0	0	0	0	0	0	0	0
Conducted Output Power	12	0	0	0	0	-	-	0	0	0	0	0
Power	13	-	-	0	0	-	-	0	0	0	0	0
	17	-	-	0	0	-	-	0	0	0	0	0
	25	0	0	0	0	0	0	0	0	0	0	0
	26	0	0	0	0	0	-	0	0	0	0	0
	2	0	0	0	0	0	0	0	0	0	-	0
	4	0	0	0	0	0	0	0	0	0	-	0
	5	0	0	0	0	-	-	0	0	0	-	0
	7	-	-	0	0	0	0	0	0	0	-	0
Peak-to-Average Ratio	12	0	0	0	0	-	-	0	0	0	-	0
ratio	13	-	-	0	0	-	-	0	0	0	-	0
	17	-	-	0	0	-	-	0	0	0	-	0
	25	0	0	0	0	0	0	0	0	0	-	0
	26	0	0	0	0	0	-	0	0	0	-	0
	2	0	0	0	0	0	0	0	0	-	-	0
	4	0	0	0	0	0	0	0	0	-	-	0
	5	0	0	0	0	-	-	0	0	-	-	0
99% Occupied	7	-	-	0	0	0	0	0	0	-	-	0
Bandwidth & 26	12	0	0	0	0	-	-	0	0	-	-	0
dB Bandwidth	13	-	-	0	0	-	-	0	0	-	-	0
	17	-	-	0	0	-	-	0	0	-	-	0
	25	0	0	0	0	0	0	0	0	-	-	0
	26	0	0	0	0	0	-	0	0	-	-	0
	2	0	0	0	0	0	0	0	0	0	-	0
	4	0	0	0	0	0	0	0	0	0	-	0
	5	0	0	0	0	-	-	0	0	0	-	0
	7	-	-	0	0	0	0	0	0	0	-	0
Band Edge	12	0	0	0	0	-	-	0	0	0	-	0
	13	-	-	0	0	-	-	0	0	0	-	0
	17	-	-	0	0	-	-	0	0	0	-	0
	25	0	0	0	0	0	0	0	0	0	-	0
	26	0	0	0	0	0	-	0	0	0	-	0
	2	0	0	0	0	0	0	0	0	0	-	-
	4	0	0	0	0	0	0	0	0	0	-	-
	5	0	0	0	0	-	-	0	0	0	-	-
Conducted	7	-	-	0	0	0	0	0	0	0	-	-
Spurious Emission	12	0	0	0	0	-	-	0	0	0	-	-
	13	-	-	0	0	-	-	0	0	0	-	-
	17	-	-	0	0	-	-	0	0	0	-	-
	25	0	0	0	0	0	0	0	0	0	-	-
	26	0	0	0	0	0	-	0	0	0	-	-

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								1				
	2	0	0	0	0	0	0	0	0	-	-	0
	4	0	0	0	0	0	0	0	0	-	-	0
	5	0	0	0	0	-	-	0	0	-	-	0
F=========	7	-	-	0	0	0	0	0	0	-	-	0
Frequency Stability	12	0	0	0	0	-	-	0	0	-	-	0
J.a.z,	13	-	-	0	0	-	-	0	0	-	-	0
	17	-	-	0	0	-	-	0	0	-	-	0
	25	0	0	0	0	0	0	0	0	-	-	0
	26	0	0	0	0	0	-	0	0	-	-	0
	2	0	0	0	0	0	0	0	0	0	-	-
	4	0	0	0	0	0	0	0	0	0	-	-
	5	0	0	0	0	-	-	0	0	0	-	-
	7	-	-	0	0	0	0	0	0	0	-	-
ERP and EIRP	12	0	0	0	0	-	-	0	0	0	-	-
	13	-	-	0	0	-	-	0	0	0	-	-
	17	-	-	0	0	-	-	0	0	0	-	-
	25	0	0	0	0	0	0	0	0	0	-	-
	26	0	0	0	0	0	-	0	0	0	-	-
	2	0	0	0	0	0	0	0	0	0	-	-
	4	0	0	0	0	0	0	0	0	0	-	-
	5	0	0	0	0	-	-	0	0	0	-	-
B #	7	-	-	0	0	0	0	0	0	0	-	-
Radiated Spurious Emission	12	0	0	0	0	-	-	0	0	0	-	-
Lillioololl	13	-	-	0	0	-	-	0	0	0	-	-
	17		-	0	0	-	-	0	0	0	-	-
	25	0	0	0	0	0	0	0	0	0	-	-
	26	0	0	0	0	0	-	0	0	0	-	-
Remark	26											

3.5. EUT configuration

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

supplied by the manufacturer

 Supplied by the lat 	ed by the lab	- supp	0
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	Manufacturer:	/
0	Model No.:	/
	Manufacturer:	/
0	Model No.:	/

3.6. Modifications

No modifications were implemented to meet testing criteria.

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4. TEST ENVIRONMENT

4.1. Address of the test laboratory

Laboratory: Shenzhen Huatongwei International Inspection Co., Ltd.

Address: 1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China

4.2. Test Facility

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC17025: 2005 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No.: 3902.01

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing.

FCC-Registration No.: 762235

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files.

IC-Registration No.:5377A

Two 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No.: 5377A.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd. EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

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4.3. Equipments Used during the Test

Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
•	Signal and spectrum Analyzer	R&S	FSV40	100048	2018/10/28	2019/10/27
•	Spectrum Analyzer	Agilent	N9020A	MY50510187	2018/09/29	2019/09/28
•	Radio communication tester	R&S	CMW500	137688-Lv	2018/09/29	2019/09/28
•	Test software	Tonscend	JS1120-1(LTE)	N/A	N/A	N/A
•	Test software	Tonscend	JS1120-2(WIFI)	N/A	N/A	N/A
•	Test software	Tonscend	JS1120-3(WCDMA)	N/A	N/A	N/A
•	Test software	Tonscend	JS1120-4(GSM)	N/A	N/A	N/A

•	Radiated Spurious Emission									
Used	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)				
•	Semi-Anechoic Chamber	Albatross projects	SAC-3m-01	N/A	2018/09/30	2021/09/29				
•	Spectrum Analyzer	R&S	FSP40	100597	2018/10/27	2019/10/26				
•	Loop Antenna	R&S	HFH2-Z2	100020	2017/11/20	2020/11/19				
•	Ultra-Broadband Antenna	SCHWARZBECK	VULB9163	538	2017/04/05	2020/04/04				
•	Horn Antenna	SCHWARZBECK	9120D	1011	2017/04/01	2020/03/31				
0	Horn Antenna	SCHWARZBECK	BBHA9170	25841	2017/03/27	2020/03/26				
0	Pre-amplifier	BONN	BLWA0160-2M	1811887	2018/11/14	2019/11/13				
•	Pre-amplifier	CD	PAP-0102	12004	2018/11/14	2019/11/13				
•	Broadband Preamplifier	SCHWARZBECK	BBV 9718	9718-248	2019/04/26	2020/04/25				
•	RF Connection Cable	HUBER+SUHNER	RE-7-FH	N/A	2018/11/15	2019/11/14				
•	RF Connection Cable	HUBER+SUHNER	RE-7-FL	N/A	2018/11/15	2019/11/14				
•	EMI Test Software	Audix	E3	N/A	N/A	N/A				
•	Turntable	MATURO	TT2.0	N/A	N/A	N/A				
•	Antenna Mast	MATURO	TAM-4.0-P	N/A	N/A	N/A				

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4.4. Environmental conditions

During the measurement the environmental conditions were within the listed ranges:

	VN=Nominal Voltage	DC 3.70V		
Voltage	VL=Lower Voltage	DC 3.60V		
	VH=Higher Voltage	DC 4.20V		
Tomporoturo	TN=Normal Temperature	25 °C		
Temperature	Extreme Temperature	From −30° to + 50° centigrade		
Humidity	30~60 %			
Air Pressure	950-1050 hPa			

4.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to TR-100028-01"Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 1"and TR-100028-02 "Electromagnetic compatibility and Radio spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics; Part 2 " and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongweilaboratory is reported:

Test Items	Measurement Uncertainty	Notes	
Transmitter power conducted	0.51 dB	(1)	
Transmitter power Radiated	2.66dB for <1GHz 3.44dB for >1GHz	(1)	
Conducted spurious emissions 9kHz~40GHz	0.51 dB	(1)	
Radiated spurious emissions	2.66dB for <1GHz	(1)	
	3.44dB for >1GHz	(.)	
Occupied Bandwidth	15Hz for <1GHz	(1)	
Occupied Baridwidth	70Hz for >1GHz	(1)	
Frequency error	15Hz for <1GHz	(1)	
Trequency error	70Hz for >1GHz	(1)	

⁽¹⁾ This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=1.96.

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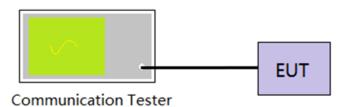
5. TEST CONDITIONS AND RESULTS

5.1. Conducted Output Power

LIMIT

N/A

TEST CONFIGURATION



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 3.3

TEST RESULTS

Refer to appendix A on the section 8 appendix report

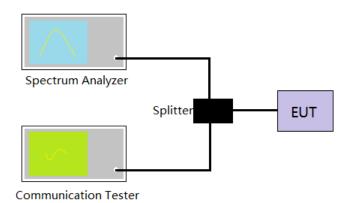
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5.2. Peak-to-Average Ratio

LIMIT

13dB

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.
- 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 3.3

TEST RESULTS

Refer to appendix B on the section 8 appendix report

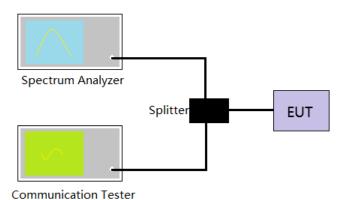
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5.3. 99% Occupied Bandwidth & 26 dB Bandwidth

<u>LIMIT</u>

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.
- 3. Spectrum analyzer setting as follow:

Center Frequency= Carrier frequency, RBW=1% to 5% of the anticipated OBW, VBW= 3 * RBW, Detector=Peak,

Trace maximum hold.

4. Record the value of 99% Occupied bandwidth and 26dB bandwidth.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Refer to appendix C on the section 8 appendix report

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5.4. Band Edge

LIMIT

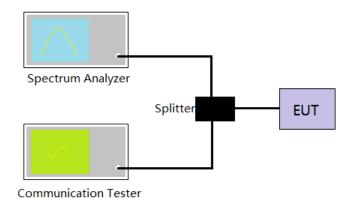
Part 24.238 and Part 22.917 and Part 27.53 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

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.

LTE Band 7

Part 27.53 m(4) For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P) dB$ on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P) dB$ on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P) dB$ on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

TEST CONFIGURATION



TEST PROCEDURE

- 1. The EUT was connected to the spectrum analyzer and communication tester via a power splitter
- Set EUT in maximum power output.
- 3. The band edges of low and high channels were measured.
- 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 3.3

TEST RESULTS

Refer to appendix D on the section 8 appendix report

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5.5. Conducted Spurious Emissions

LIMIT

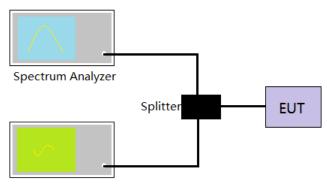
Part 24.238 and Part 22.917 and Part 27.53 specify that the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

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.

LTE Band 7

Part 27.53 m(4) For mobile digital stations, the attenuation factor shall be not less than 40 + 10 log (P) dB on all frequencies between the channel edge and 5 megahertz from the channel edge, 43 + 10 log (P) dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and 55 + 10 log (P) dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less that 43 + 10 log (P) dB on all frequencies between 2490.5 MHz and 2496 MHz and 55 + 10 log (P) dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees. Limit <-25 dBm

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=Peak, Sweep time= Auto Above 1GHz, RBW=1MHz, VBW=3MHz, Detector=Peak, Sweep time= Auto Scan frequency range up to 10th harmonic.

4. Record the test plot.

TEST MODE:

Please refer to the clause 3.3

TEST RESULTS

Refer to appendix E on the section 8 appendix report

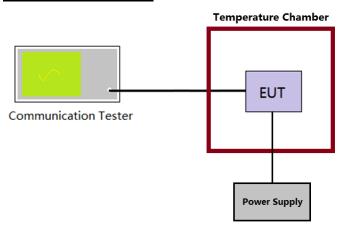
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5.6. Frequency stability VS Temperature measurement

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.
- 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 3.3

TEST RESULTS

Refer to appendix F on the section 8 appendix report

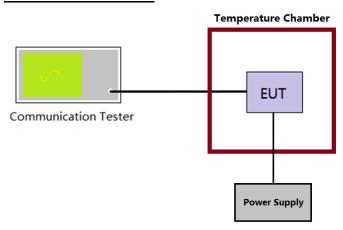
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5.7. Frequency stability VS Voltage measurement

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
- 4. 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 3.3

TEST RESULTS

Refer to appendix F on the section 8 appendix report

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5.8. ERP and EIRP

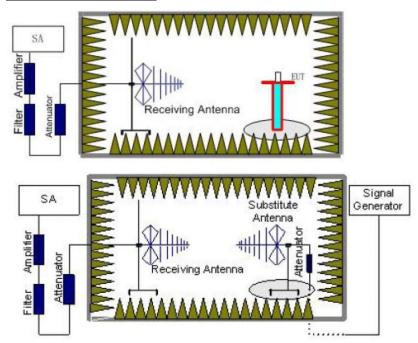
LIMIT

LTE Band 2/7/25: 2W(33dBm) EIRP

LTE Band 4: 1W(30dBm) EIRP

LTE Band 5/26: 7W(38.50dBm) ERP LTE Band 12/17: 3W(34.77dBm) ERP LTE Band 13: 30W(44.77dBm) ERP

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.
- 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.

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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.
 - 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 3.3

TEST RESULTS

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LTE Band 2-1.4MHz							
Modulation	Channel	EIRP	EIRP (dBm)		Danish		
iviodulation	Channel	Vertical	Horizontal	Limit (dBm)	Result		
	Low	21.30	18.52	<22.00			
QPSK	Mid	21.33	18.32		PASS		
	High	21.38	18.51				
	Low	20.57	17.80	≤33.00 			
16QAM	Mid	20.71	17.76		PASS		
	High	20.48	18.04				

LTE Band 2-3MHz							
Modulation	Channel	EIRP	EIRP (dBm)		Dogult		
Modulation	Chamilei	Vertical	Horizontal	Limit (dBm)	Result		
	Low	21.58	18.37				
QPSK	Mid	21.92	18.31	222.00	PASS		
	High	21.60	18.48				
	Low	20.36	17.93	≤33.00			
16QAM	Mid	20.59	17.84		PASS		
	High	20.37	18.01				

LTE Band 2-5MHz							
Modulation	Channel	EIRP	EIRP (dBm)		Danut		
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result		
	Low	21.19	18.31	700.00	PASS		
QPSK	Mid	20.86	18.81				
	High	22.06	17.69				
	Low	19.56	17.66	≤33.00			
16QAM	Mid	19.50	18.08		PASS		
	High	20.41	16.86				

	LTE Band 2-10MHz							
Modulation	Channel	EIRP	(dBm)	Limit (dDm)	Result			
Wodulation	Channel	Vertical	Horizontal	Limit (dBm)				
	Low	21.10	18.00	700.00				
QPSK	Mid	21.46	18.52		PASS			
	High	22.22	17.72					
	Low	19.40	17.20	≤33.00 				
16QAM	Mid	19.61	17.67		PASS			
	High	20.52	17.05					

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LTE Band 2-15MHz							
Modulation	Channal	EIRP	EIRP (dBm)		Daniell		
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result		
	Low	20.53	18.27				
QPSK	Mid	20.66	18.39	200.00	PASS		
	High	20.99	17.68				
	Low	19.49	17.60	≤33.00			
16QAM	Mid	19.67	18.93		PASS		
	High	19.80	17.18				

	LTE Band 2-20MHz							
Modulation	Channel	EIRP (dBm)		Limit (dRm)	Dooult			
Modulation	Chame	Vertical	Horizontal	Limit (dBm)	Result			
	Low	20.61	17.85					
QPSK	Mid	21.08	18.08	222.00	PASS			
	High	21.10	17.70					
	Low	19.38	17.57	≤33.00				
16QAM	Mid	20.12	17.87		PASS			
	High	20.23	17.51					

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LTE Band 4-1.4MHz							
Madulation	Channal	EIRP	EIRP (dBm)		Decult		
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result		
	Low	21.35	19.28	200.00			
QPSK	Mid	22.01	19.43		PASS		
	High	22.06	19.39				
	Low	20.45	18.92	- ≤30.00			
16QAM	Mid	21.12	19.03		PASS		
	High	20.94	19.14				

LTE Band 4-3MHz							
Modulation	Channel	EIRP	(dBm)	Limit (dPm)	Result		
Modulation	Channel	Vertical	Horizontal	Limit (dBm)			
	Low	21.54	19.25	<220.00			
QPSK	Mid	21.38	19.47		PASS		
	High	21.06	19.36				
	Low	21.06	19.15	≤30.00 			
16QAM	Mid	20.67	19.29		PASS		
	High	21.28	19.51				

	LTE Band 4-5MHz								
Modulation	Channel	EIRP	(dBm)	Limit (dPm)	Dogult				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.55	20.02						
QPSK	Mid	21.73	19.51	400.00	PASS				
	High	21.84	19.58						
	Low	20.73	19.52	≤30.00					
16QAM	Mid	20.93	19.03	1	PASS				
	High	20.75	19.19						

	LTE Band 4-10MHz								
Modulation	Channel	EIRP	(dBm)	Limit (dPm)	Result				
iviodulation	Channel	Vertical	Horizontal	Limit (dBm)					
	Low	21.76	19.93						
QPSK	Mid	21.71	19.44		PASS				
	High	21.47	19.63	<20.00					
	Low	21.08	19.49	≤30.00					
16QAM	Mid	21.25	18.97]	PASS				
	High	21.00	19.17						

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	LTE Band 4-15MHz								
Modulation	Channel	EIRP	(dBm)	Limit (dDm)	Dogult				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.54	19.24						
QPSK	Mid	21.64	19.95		PASS				
	High	22.02	19.65	<20.00					
	Low	20.54	18.74	≤30.00					
16QAM	Mid	20.78	19.35		PASS				
	High	20.93	19.21						

LTE Band 4-20MHz								
Modulation	Channel	EIRP	(dBm)	Limit (dBm)	Result			
iviodulation	Chamei	Vertical	Horizontal	Limit (ubin)	Kesuit			
	Low	21.71	19.29					
QPSK	Mid	22.25	20.15	400.00	PASS			
	High	22.28	19.81					
	Low	20.45	18.72	≤30.00	PASS			
16QAM	Mid	20.38	19.44					
	High	20.55	19.22					

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LTE Band 5-1.4MHz									
Modulation	Channel	ERP	(dBm)	Limit (dPm)	Daguit				
iviodulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.59	20.91						
QPSK	Mid	21.59	20.46	400.50	PASS				
	High	21.73	20.63						
	Low	20.87	19.99	≤38.50					
16QAM	Mid	20.73	19.85	1	PASS				
	High	20.89	19.86						

	LTE Band 5-3MHz								
Modulation	Channel	ERP (dBm)		Limit (dRm)	Result				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.81	20.47						
QPSK	Mid	22.00	20.33	400.50	PASS				
	High	22.06	20.39						
	Low	20.55	20.19	≤38.50					
16QAM	Mid	20.51	19.81		PASS				
	High	20.69	19.84						

	LTE Band 5-5MHz								
Modulation	Channel	ERP	(dBm)	Limit (dPm)	Docult				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.75	20.11						
QPSK	Mid	21.67	19.48	400.50	PASS				
	High	21.50	19.49						
	Low	21.13	19.78	≤38.50	PASS				
16QAM	Mid	21.03	19.06]					
	High	20.87	19.12						

	LTE Band 5-10MHz								
Modulation	Channel	ERP	(dBm)	Limit (dPm)	Popult				
iviodulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.60	20.07						
QPSK	Mid	21.52	19.53		PASS				
	High	21.26	19.54	<20 F0					
	Low	20.99	19.51	≤38.50					
16QAM	Mid	20.94	19.06	1	PASS				
	High	20.75	19.07						

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LTE Band 7-5MHz									
Modulation	Channal	EIRP	EIRP (dBm)		Dooult				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.16	19.44						
QPSK	Mid	21.32	19.93	100.00	PASS				
	High	21.86	19.52						
	Low	20.17	18.98	≤33.00					
16QAM	Mid	20.27	19.45		PASS				
	High	20.39	19.22						

	LTE Band 7-10MHz								
Modulation	Channel	EIRP	(dBm)	Limit (dPm)	Result				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.41	19.33						
QPSK	Mid	21.93	19.79		PASS				
	High	21.98	19.54	<22.00					
	Low	20.31	19.01	≤33.00					
16QAM	Mid	20.60	19.41		PASS				
	High	20.80	19.12						

	LTE Band 7-15MHz								
Modulation	Channel	EIRP	(dBm)	Limit (dPm)	Dogult				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.74	20.00						
QPSK	Mid	22.07	19.68	400.00	PASS				
	High	21.63	19.44						
	Low	20.74	19.14	≤33.00	PASS				
16QAM	Mid	21.09	18.88	1					
	High	20.74	18.74						

	LTE Band 7-20MHz								
Modulation	Channal	EIRP	(dBm)	Limit (dPm)	Popult				
iviodulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.93	19.90						
QPSK	Mid	22.65	19.81		PASS				
	High	22.18	19.55	≤33.00					
	Low	20.47	19.21	≥33.00					
16QAM	Mid	21.09	19.01]	PASS				
	High	20.74	18.79						

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LTE Band 12-1.4MHz									
Modulation	Channal	ERP (dBm)		Limit (dDm)	Dogult				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.18	19.37						
QPSK	Mid	21.54	19.35		PASS				
	High	22.00	19.46						
	Low	20.81	19.06	≤34.77					
16QAM	Mid	21.16	19.01		PASS				
	High	21.55	19.23						

LTE Band 12-3MHz								
Modulation	Channal	ERP	(dBm)	Limit (dPm)	Result			
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result			
	Low	21.22	19.39					
QPSK	Mid	21.46	19.25		PASS			
	High	21.52	19.22	<24.77				
	Low	20.83	19.30	- ≤34.77				
16QAM	Mid	20.88	19.10		PASS			
	High	21.79	19.32					

LTE Band 12-5MHz									
Modulation	Channel	ERP	(dBm)	Limit (dPm)	Result				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Resuit				
	Low	21.48	19.69						
QPSK	Mid	21.73	19.72		PASS				
	High	21.99	19.52						
	Low	20.59	19.02	≤34.77	PASS				
16QAM	Mid	20.90	19.26						
	High	20.80	19.01						

LTE Band 12-10MHz								
Modulation	Channel	ERP	(dBm)	Limit (dPm)	Result			
iviodulation	Channel	Vertical	Horizontal	Limit (dBm) ≤34.77	Resuit			
	Low	21.71	19.58					
QPSK	Mid	22.31	19.64		PASS			
	High	22.10	19.40	<24.77				
	Low	20.48	19.20	534.77				
16QAM	Mid	20.98	19.21		PASS			
	High	20.88	19.03					

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LTE Band 13-5MHz									
Modulation	Channal	ERP (dBm)		Limit (dDm)	Dogult				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.46	19.20						
QPSK	Mid	21.78	19.15		PASS				
	High	21.84	19.09						
	Low	20.82	19.06	<44.77 					
16QAM	Mid	21.24	19.03		PASS				
	High	22.35	18.98						

	LTE Band 13-10MHz								
Modulation	Channel	ERP	(dBm)	Limit (dPm)	Result				
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result				
	Low	21.77	18.89						
QPSK	Mid	22.18	18.82		PASS				
	High	22.58	18.69	-44 77					
	Low	21.50	18.82	<44.77					
16QAM	Mid	21.86	18.89		PASS				
	High	22.98	18.84						

	LTE Band 17-5MHz									
Modulation	Channel	ERP (dBm)		Limit (dPm)	Dogult					
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result					
	Low	21.09	19.86							
QPSK	Mid	20.74	19.57		PASS					
	High	21.23	19.79	<24.77						
	Low	20.31	19.23	≤34.77						
16QAM	Mid	20.01	19.07		PASS					
	High	20.20	19.18							

LTE Band 17-10MHz								
Modulation	Channal	ERP (dBr		Limit (dPm)	Result			
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result			
	Low	21.27	19.75					
QPSK	Mid	21.23	19.50		PASS			
	High	21.32	19.56	<24.77				
	Low	20.21	19.40	≤34.77				
16QAM	Mid	20.21	19.10		PASS			
	High	20.38	19.21					

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LTE Band 25-1.4MHz									
Madulation	Channel	EIRP	(dBm)	Limit (dBm)	Result				
Modulation	Chame	Vertical	Horizontal	Limit (ubin)	Nesuit				
	Low	21.54	18.85						
QPSK	Mid	21.16	19.01		PASS				
	High	21.80	18.75	<22.00					
	Low	21.00	18.32	≤33.00					
16QAM	Mid	20.70	18.60		PASS				
	High	21.13	18.40						

LTE Band 25-3MHz								
Modulation	Channel	EIRP (dBm)		Limit (dBm)	Result			
Modulation	Chamer	Vertical	Horizontal	Limit (ubin)	Nesuit			
	Low	21.75	18.74					
QPSK	Mid	21.59	19.00	400.00	PASS			
	High	21.96	18.73					
	Low	20.85	18.41	≤33.00				
16QAM	Mid	20.60	18.66		PASS			
	High	21.05	18.38					

LTE Band 25-5MHz									
Mashalatian	Channel	EIRP (Limit (dBm)	Danish				
Modulation	Channel	Vertical	Horizontal	LIIIII (UDIII)	Result				
	Low	20.93	18.15						
QPSK	Mid	20.65	18.02	≤33.00	PASS				
	High	20.67	17.62						
	Low	19.86	17.72						
16QAM	Mid	19.76	17.55		PASS				
	High	19.60	17.07						

	LTE Band 25-10MHz									
Modulation	Channel	EIRP	EIRP (dBm)		Decult					
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result					
	Low	20.87	17.95	100.00						
QPSK	Mid	21.04	17.83		PASS					
	High	20.78	17.64							
	Low	19.76	17.43	≤33.00						
16QAM	Mid	19.83	17.28		PASS					
	High	19.67	17.20							

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LTE Band 25-15MHz						
Modulation	Channel	EIRP (dBm)		Limit (dPm)	Result	
iviodulation	Channel	Vertical	Horizontal	Limit (dBm)	Result	
	Low	20.07	18.76	222.00		
QPSK	Mid	20.36	18.93		PASS	
	High	20.19	18.35			
	Low	18.63	17.83	≤33.00		
16QAM	Mid	18.99	19.66		PASS	
	High	18.54	17.65			

LTE Band 25-20MHz						
Modulation	Channel	EIRP (dBm)		Lineit (dDne)	Result	
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Resuit	
	Low	20.17	18.17			
QPSK	Mid	20.95	18.50		PASS	
	High	20.35	18.38	<22.00		
	Low	18.47	17.79	≤33.00		
16QAM	Mid	19.58	18.19		PASS	
	High	19.10	18.11			

LTE Band 26-1.4MHz						
Modulation	Channel	ERP	(dBm)	Limit (dPm)	Dooult	
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result	
	Low	20.85	19.08	~22.00		
QPSK	Mid	21.07	18.78		PASS	
	High	21.60	18.72			
	Low	20.17	18.43	≤33.00		
16QAM	Mid	20.50	18.27		PASS	
	High	20.76	18.29			

LTE Band 26-3MHz						
Modulation	ER ER		(dBm)	Limit (dPm)	Dogult	
iviodulation	Channel	Vertical	Horizontal	Limit (dBm)	Result	
	Low	21.11	18.95	202.00		
QPSK	Mid	21.62	18.77		PASS	
	High	21.79	18.70			
	Low	19.98	18.54	≤33.00		
16QAM	Mid	20.39	18.34		PASS	
	High	20.66	18.26			

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LTE Band 26-5MHz						
Modulation	Channel	ERP (Lind (ID.)	Dogult	
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result	
	Low	21.62	19.30	700.00		
QPSK	Mid	21.34	19.21		PASS	
	High	22.08	18.68			
	Low	20.01	18.66	≤33.00		
16QAM	Mid	20.00	18.50		PASS	
	High	20.47	17.87			

LTE Band 26-10MHz						
Modulation	Channel	ERP (dBm)		L : it /-ID)	Docult	
Modulation	Channel	Vertical	Horizontal	Limit (dBm)	Result	
	Low	21.53	18.99	722.00		
QPSK	Mid	21.92	18.92		PASS	
	High	22.23	18.72			
	Low	19.86	18.22	≤33.00		
16QAM	Mid	20.12	18.09		PASS	
	High	20.57	18.06			

LTE Band 26-15MHz						
Modulation	Channel	ERP (dBm)		l insit (dDas)	Result	
Modulation	Chamei	Vertical	Horizontal	Limit (dBm)	Result	
	Low	21.00	20.58	222.00		
QPSK	Mid	20.71	20.11		PASS	
	High	21.74	19.41			
	Low	19.61	19.38	≤33.00	PASS	
16QAM	Mid	19.40	20.81			
	High	20.13	18.74			

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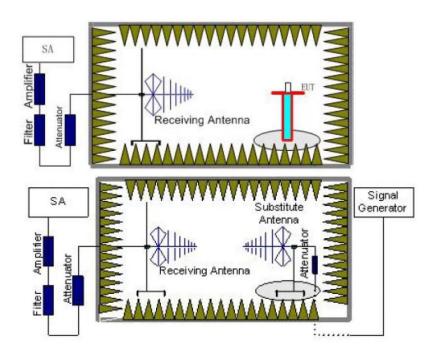
5.9. Radiated Spurious Emission

LIMIT

LTE Band 2/4/5/12/13/17/25/26: -13dBm;

LTE Band 7: -25dBm

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

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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.
 - 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 3.3

TEST RESULTS

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LTE Band 2-1.4MHz							
Channal	Frequency	Spurious Emission		Lineit (dDne)	Decult		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3701.4	Vertical	-31.85				
	5552.1	V	-32.69	≤-13.00	Pass		
Low	7402.8	V					
LOW	3701.4	Horizontal	-38.69	≤-13.00			
	5552.1	Н	-40.85		Pass		
	7402.8	Н					
	3760	Vertical	-31.61	≤-13.00			
	5640	V	-32.74		Pass		
Mid	7520	V					
IVIIU	3760	Horizontal	-38.64				
	5640	Н	-40.80	≤-13.00	Pass		
	7520	Н					
	3818.6	Vertical	-31.70				
	5727.9	V	-32.82	≤-13.00	Pass		
∐iah	7637.2	V					
High	3818.6	Horizontal	-38.64				
	5727.9	Н	-40.79	≤-13.00	Pass		
	7637.2	Н					

LTE Band 2-3MHz							
Channal	Frequency	Spurious Emission		Lineit (dDne)	Daguit		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3703	Vertical	-32.07				
	5554.5	V	-32.65	≤-13.00	Pass		
Low	7406	V					
LOW	3703	Horizontal	-32.25	≤-13.00			
	5554.5	Н	-32.61		Pass		
	7406	Н					
	3760	Vertical	-32.22	≤-13.00			
	5640	V	-32.49		Pass		
Mid	7520	V					
iviid	3760	Horizontal	-32.12	≤-13.00	Pass		
	5640	Н	-32.13				
	7520	Н					
	3817	Vertical	-32.75				
High	5725.5	V	-32.25	≤-13.00	Pass		
	7634	V					
	3817	Horizontal	-32.51				
	5725.5	Н	-32.20	≤-13.00	Pass		
	7634	Н					

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LTE Band 2-5MHz							
Channal	Frequency	Spurious I	Emission	Limeit (dDms)	D		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3705	Vertical	-32.20				
	5557.5	V	-32.52	≤-13.00	Pass		
Low	7410	V					
LOW	3705	Horizontal	-32.80				
	5557.5	Н	-32.39	≤-13.00	Pass		
	7410	Н					
	3760	Vertical	-32.70	≤-13.00	Pass		
	5640	V	-31.99				
Mid	7520	V					
iviid	3760	Horizontal	-33.11		Pass		
	5640	Н	-31.54	≤-13.00			
	7520	Н					
	3815	Vertical	-33.88				
	5722.5	V	-31.69	≤-13.00	Pass		
∐iah	7630	V					
High	3815	Horizontal	-33.45				
	5722.5	Н	-31.60	≤-13.00	Pass		
	7630	Н					

LTE Band 2-10MHz							
Oh an a a l	Frequency	Spurious I	Emission	Lineit (dDas)	D !!		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3710	Vertical	-32.63				
	5565	V	-32.40	≤-13.00	Pass		
Low	7420	V					
LOW	3710	Horizontal	-33.18				
	5565	Н	-32.28	≤-13.00	Pass		
	7420	Н					
	3760	Vertical	-33.08	≤-13.00	Pass		
	5640	V	-31.92				
Mid	7520	V					
iviid	3760	Horizontal	-33.45				
	5640	Н	-31.30	≤-13.00	Pass		
	7520	Н					
	3810	Vertical	-34.52				
	5715	V	-31.50	≤-13.00	Pass		
High	7620	V					
riigii	3810	Horizontal	-33.76				
	5715	Н	-31.35	≤-13.00	Pass		
	7620	Н					

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		LTE Ban	d 2-15MHz		
Ohamad	Frequency	Spurious	Emission	Limett (dDms)	Б
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result
	3715	Vertical	-33.01		
	5572.5	V	-32.27	≤-13.00	Pass
Low	7430	V			
Low	3715	Horizontal	-33.58		
	5572.5	Н	-32.15	≤-13.00	Pass
	7430	Н			
	3760	Vertical	-33.49		Pass
	5640	V	-31.78	≤-13.00	
Mid	7520	V			
IVIIG	3760	Horizontal	-33.86		
	5640	Н	-31.34	≤-13.00	Pass
	7520	Н			
	3805	Vertical	-34.61		
	5707.5	V	-31.49	≤-13.00	Pass
∐iab	7610	V			
High	3805	Horizontal	-34.86		
	5707.5	Н	-31.54	≤-13.00	Pass
	7610	Н			

		LTE Ban	d 2-20MHz		
Channal	Frequency	Spurious	Emission	Limit (dDm)	Dogult
Channel	(MHz)	Polarization	Level (dBm)	Limit (dbin)	Result
	3720	Vertical	-33.41		
	5580	V	-32.12	≤-13.00	Pass
Low	7440	V			
LOW	3720	Horizontal	-34.11		
	5580	Н	-31.98	≤-13.00	Pass
	7440	Н			
	3760	Vertical	-33.99		Pass
	5640	V	-31.52	≤-13.00	
Mid	7520	V			
IVIIU	3760	Horizontal	-34.45		
	5640	Н	-31.03	≤-13.00	Pass
	7520	Н		≤-13.00 ≤-13.00	
	3800	Vertical	-35.29		
	5700	V	-31.19	≤-13.00	Pass
Lligh	7600	V			
High	3800 Horizontal -34.80				
	5700	Н	-31.09	≤-13.00	Pass
	7600	Н			

- Remark"---" means that the emission level is too low to be measured The emission levels of below 1 GHz are very lower than the limit and not show in test report.

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LTE Band 4-1.4MHz							
Channal	Frequency	Spurious I	Emission	Limit (dDm)	Dooult		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3421.4	Vertical	-31.22				
	5132.1	V	-35.41	≤-13.00	Pass		
Low	6842.8	V					
LOW	3421.4	Horizontal	-36.86				
	5132.1	Н	-34.57	≤-13.00	Pass		
	6842.8	Н					
	3465	Vertical	-31.32	≤-13.00	Pass		
	5197.5	V	-35.31				
Mid	6930	V					
iviiu	3465	Horizontal	-36.74				
	5197.5	Н	-34.47	≤-13.00	Pass		
	6930	Н					
	3508.6	Vertical	-31.48				
	5262.9	V	-35.47	≤-13.00	Pass		
∐iah	7017.2	V					
High	3508.6	Horizontal	-36.75				
	5262.9	Н	-34.48	≤-13.00	Pass		
	7017.2	Н					

LTE Band 4-3MHz						
Channal	Frequency	Spurious I	Emission	Limit (dDm)	Dooult	
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result	
	3423	Vertical	-31.65			
	5134.5	V	-35.28	≤-13.00	Pass	
Low	6846	V				
Low	3423	Horizontal	-36.61			
	5134.5	Н	-34.45	≤-13.00	Pass	
	6846	Н				
	3465	Vertical	-31.75		Pass	
	5197.5	V	-35.37	≤-13.00		
Mid	6930	V				
iviiu	3465	Horizontal	-36.44			
	5197.5	Н	-34.58	≤-13.00	Pass	
	6930	Н				
	3507	Vertical	-31.99			
	5260.5	V	-35.16	≤-13.00	Pass	
Lliah	7014	V				
High	3507	Horizontal	-36.31			
	5260.5	Н	-34.71	≤-13.00	Pass	
	7014	Н				

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LTE Band 4-5MHz							
Channal	Frequency	Spurious	Emission	Lineit (dDne)	D !!		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3425	Vertical	-32.07				
	5137.5	V	-35.19	≤-13.00	Pass		
Low	6850	V					
Low	3425	Horizontal	-36.22				
	5137.5	Н	-34.63	≤-13.00	Pass		
	6850	Н					
	3465	Vertical	-32.14	≤-13.00	Pass		
	5197.5	V	-35.25				
Mid	6930	V	-				
iviid	3465	Horizontal	-36.31		Pass		
	5197.5	Н	-34.70	≤-13.00			
	6930	Н					
	3505	Vertical	-32.01				
	5257.5	V	-35.14	≤-13.00	Pass		
∐iah	7010	V	-				
High	3505	Horizontal	-36.25				
	5257.5	Н	-34.65	≤-13.00	Pass		
	7010	Н					

LTE Band 4-10MHz							
Channal	Frequency	Spurious	Emission	Linnit (dDnn)	D !!		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3430	Vertical	-32.34				
	5145	V	-35.07	≤-13.00	Pass		
Low	6860	V					
LOW	3430	Horizontal	-36.44				
	5145	Н	-34.80	≤-13.00	Pass		
	6860	Н					
	3465	Vertical	-32.25	≤-13.00	Pass		
	5197.5	V	-34.98				
Mid	6930	V					
IVIIU	3465	Horizontal	-36.31				
	5197.5	Н	-34.70	≤-13.00	Pass		
	6930	Н	-				
	3500	Vertical	-32.43				
	5250	V	-35.15	≤-13.00	Pass		
Lligh	7000	V	-				
High	3500	Horizontal	-36.14				
	5250	Н	-34.54	≤-13.00	Pass		
	7000	Н					

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LTE Band 4-15MHz							
Ob a mad	Frequency	Spurious	Emission	Limit (dDms)	D 1		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3435	Vertical	-32.75				
	5152.5	V	-34.91	≤-13.00	Pass		
Low	6870	V					
Low	3435	Horizontal	-35.98				
	5152.5	Н	-34.69	≤-13.00	Pass		
	6870	Н					
	3465	Vertical	-32.64		Pass		
	5197.5	V	-34.80	≤-13.00			
Mid	6930	V					
iviid	3465	Horizontal	-36.14				
	5197.5	Н	-34.82	≤-13.00	Pass		
	6930	Н					
	3495	Vertical	-32.41				
	5242.5	V	-34.59	≤-13.00	Pass		
Lligh	6990	V					
High	3495	Horizontal	-36.09		_		
	5242.5	Н	-34.77	≤-13.00	Pass		
	6990	Н					

		LTE Ban	d 4-20MHz		
Ohamal	Frequency	Spurious	Emission	Limett (dDms)	Danill
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result
	3440	Vertical	-33.26		
	5160	V	-34.47	≤-13.00	Pass
Law	6880	V			
Low	3440	Horizontal	-36.20		
	5160	Н	-34.67	≤-13.00	Pass
	6880	Н			
	3465	Vertical	-33.34		Pass
	5197.5	V	-34.56	≤-13.00	
Mid	6930	V			
IVIIG	3465	Horizontal	-36.29		
	5197.5	Н	-34.60	≤-13.00	Pass
	6930	Н			
	3490	Vertical	-33.22		
	5235	V	-34.56	≤-13.00	Pass
∐iah	6980	V			
High	3490	Horizontal	-36.29		
	5235	Н	-34.75	≤-13.00	Pass
	6980	Н			

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LTE Band 5-1.4MHz							
Channel	Frequency	Spurious	Emission	Limit (dDm)	Dooult		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1649.4	Vertical	-34.66				
	2474.1	V	-39.17	≤-13.00	Pass		
Low	3298.8	V					
LOW	1649.4	Horizontal	-44.79				
	2474.1	Н	-45.63	≤-13.00	Pass		
	3298.8	Н					
	1673	Vertical	-34.57	≤-13.00	Pass		
	2509.5	V	-39.09				
Mid	3346	V					
iviid	1673	Horizontal	-44.91				
	2509.5	Н	-45.73	≤-13.00	Pass		
	3346	Н					
	1696.6	Vertical	-34.40				
	2544.9	V	-38.93	≤-13.00	Pass		
∐iah	3393.2	V	-				
High	1696.6	Horizontal	-44.94				
	2544.9	Н	-45.75	≤-13.00	Pass		
	3393.2	Н					

LTE Band 5-3MHz							
Channal	Frequency	Spurious	Emission	Lineit (dDne)	D It		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1651	Vertical	-34.81				
	2476.5	V	-39.02	≤-13.00	Pass		
Low	3302	V					
LOW	1651	Horizontal	-45.43				
	2476.5	Н	-45.77	≤-13.00	Pass		
	3302	Н					
	1673	Vertical	-35.32	≤-13.00	Pass		
	2509.5	V	-39.47				
Mid	3346	V					
iviid	1673	Horizontal	-45.33				
	2509.5	Н	-45.85	≤-13.00	Pass		
	3346	Н					
	1695	Vertical	-35.67				
	2542.5	V	-40.04	≤-13.00	Pass		
High	3390	V					
Підп	1695	Horizontal	-45.90				
	2542.5	Н	-46.39	≤-13.00	Pass		
	3390	Н					

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LTE Band 5-5MHz							
Channal	Frequency	Spurious I	Emission	Limait (dDma)	Danult		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1653	Vertical	-34.92				
	2479.5	V	-38.91	≤-13.00	Pass		
Low	3306	V					
LOW	1653	Horizontal	-45.91				
	2479.5	Н	-45.88	≤-13.00	Pass		
	3306	Н					
	1673	Vertical	-35.30	≤-13.00	Pass		
	2509.5	V	-39.24				
Mid	3346	V					
iviid	1673	Horizontal	-45.80		Pass		
	2509.5	Н	-39.62	≤-13.00			
	3346	Н					
	1693	Vertical	-35.67				
	2539.5	V	-39.86	≤-13.00	Pass		
∐iah	3386	V					
High	1693	Horizontal	-45.89				
	2539.5	Н	-39.70	≤-13.00	Pass		
	3386	Н					

LTE Band 5-10MHz							
Channal	Frequency	Spurious I	Emission	Lineit (dDne)	Decult		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1658	Vertical	-35.04				
	2487	V	-38.79	≤-13.00	Pass		
Low	3316	V					
Low	1658	Horizontal	-46.42				
	2487	Н	-45.99	≤-13.00	Pass		
	3316	Н					
	1673	Vertical	-35.45		Pass		
	2509.5	V	-39.15	≤-13.00			
Mid	3346	V					
IVIIU	1673	Horizontal	-45.87				
	2509.5	Н	-45.89	≤-13.00	Pass		
	3346	Н					
	1688	Vertical	-35.28				
	2532	V	-39.30	≤-13.00	Pass		
Lligh	3376	V	-				
High	1688	Horizontal	-45.85				
	2532	Н	-45.91	≤-13.00	Pass		
	3376	Н					

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LTE Band 7-5MHz							
Ohamad	Frequency	Spurious I	Emission	Limit (dDas)	D !!		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	5005	Vertical	-38.56				
	7507.5	V	-42.44	≤-25.00	Pass		
Low	10010	V					
Low	5005	Horizontal	-49.97				
	7507.5	Н	-51.25	≤-25.00	Pass		
	10010	Н					
	5070	Vertical	-38.71		Pass		
	7605	V	-42.57	≤-25.00			
Mid	10140	V					
iviid	5070	Horizontal	-49.39				
	7605	Н	-43.02	≤-25.00	Pass		
	10140	Н					
	5135	Vertical	-39.16				
	7702.5	V	-43.31	≤-25.00	Pass		
∐iah	10270	V					
High	5135	Horizontal	-49.26				
	7702.5	Н	-43.34	≤-25.00	Pass		
	10270	Н					

LTE Band 7-10MHz							
Oh ara a a l	Frequency	Spurious I	Emission	Lineit (dDas)	Danult		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	5010	Vertical	-38.58				
	7515	V	-42.42	≤-25.00	Pass		
Low	10020	V					
LOW	5010	Horizontal	-50.04				
	7515	Н	-51.27	≤-25.00	Pass		
	10020	Н					
	5070	Vertical	-38.63	≤-25.00	Pass		
	7605	V	-42.47				
Mid	10140	V					
iviiu	5070	Horizontal	-49.39				
	7605	Н	-42.97	≤-25.00	Pass		
	10140	Н					
	5130	Vertical	-39.13				
	7695	V	-43.30	≤-25.00	Pass		
High	10260	V					
riigri	5130	Horizontal	-49.23				
	7695	Н	-43.33	≤-25.00	Pass		
	10260	Н					

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LTE Band 7-15MHz							
Observal	Frequency	Spurious	Emission	Limett (dDms)	D 14		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	5015	Vertical	-38.70				
	7522.5	V	-42.30	≤-25.00	Pass		
Low	10030	V					
LOW	5015	Horizontal	-50.57				
	7522.5	Н	-51.38	≤-25.00	Pass		
	10030	Н					
	5070	Vertical	-39.12		Pass		
	7605	V	-42.67	≤-25.00			
Mid	10140	V					
iviid	5070	Horizontal	-50.01				
	7605	Н	-43.10	≤-25.00	Pass		
	10140	Н					
	5125	Vertical	-39.55				
	7687.5	V	-43.38	≤-25.00	Pass		
Lligh	10250	V					
High	5125	Horizontal	-49.90		_		
	7687.5	Н	-43.40	≤-25.00	Pass		
	10250	Н					

LTE Band 7-20MHz							
Channal	Frequency	Spurious I	Emission	Limit (dDm)	Dooult		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	5020	Vertical	-38.82				
	7530	V	-42.18	≤-25.00	Pass		
Low	10040	V					
LOW	5020	Horizontal	-51.10				
	7530	Н	-51.55	≤-25.00	Pass		
	10040	Н					
	5070	Vertical	-39.25	≤-25.00	Pass		
	7605	V	-42.55				
Mid	10140	V					
IVIIU	5070	Horizontal	-50.44				
	7605	Н	-43.05	≤-25.00	Pass		
	10140	Н					
	5120	Vertical	-39.75				
	7680	V	-43.38	≤-25.00	Pass		
Lliah	10240	V					
High	5120	Horizontal	-50.29				
	7680	Н	-43.41	≤-25.00	Pass		
	10240	Н					

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LTE Band 12-1.4MHz							
Channal	Frequency	Spurious	Emission	Lineit (dDne)	Desuit		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1399.4	Vertical	-33.64				
	2099.1	V	-38.00	≤-13.00	Pass		
Low	2798.8	V					
Low	1399.4	Horizontal	-47.85				
	2099.1	Н	-48.73	≤-13.00	Pass		
	2798.8	Н					
	1415	Vertical	-33.42		Pass		
	2122.5	V	-37.79	≤-13.00			
Mid	2830	V					
iviid	1415	Horizontal	-48.03				
	2122.5	Н	-48.88	≤-13.00	Pass		
	2830	Η					
	1430.6	Vertical	-33.17				
	2145.9	V	-37.56	≤-13.00	Pass		
∐iah	2861.2	V	-				
High	1430.6	Horizontal	-48.09				
	2145.9	Н	-48.93	≤-13.00	Pass		
	2861.2	Н					

LTE Band 12-3MHz							
Ob a see a l	Frequency	Spurious	Emission	Lineit (dDas)	D		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1401	Vertical	-34.16				
	2101.5	V	-37.48	≤-13.00	Pass		
Low	2802	V					
LOW	1401	Horizontal	-48.32				
	2101.5	Н	-48.83	≤-13.00	Pass		
	2802	Н					
	1415	Vertical	-34.54	≤-13.00	Pass		
	2122.5	V	-37.81				
Mid	2830	V					
iviid	1415	Horizontal	-48.21				
	2122.5	Н	-48.93	≤-13.00	Pass		
	2830	Н					
	1429	Vertical	-34.93				
	2143.5	V	-38.46	≤-13.00	Pass		
High	2858	V					
riigri	1429	Horizontal	-48.86				
	2143.5	Н	-49.54	≤-13.00	Pass		
	2858	Н					

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LTE Band 12-5MHz							
Ob a mad	Frequency	Spurious	Emission	Limett (dDms)	D !		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1403	Vertical	-34.34				
	2104.5	V	-37.30	≤-13.00	Pass		
Low	2806	V					
Low	1403	Horizontal	-49.09				
	2104.5	Н	-49.00	≤-13.00	Pass		
	2806	Н					
	1415	Vertical	-34.96	≤-13.00	Pass		
	2122.5	V	-37.84				
Mid	2830	V					
iviid	1415	Horizontal	-48.91				
	2122.5	Н	-38.48	≤-13.00	Pass		
	2830	Н					
	1427	Vertical	-35.60				
	2140.5	V	-38.90	≤-13.00	Pass		
∐iah	2854	V					
High	1427	Horizontal	-49.17				
	2140.5	Н	-38.73	≤-13.00	Pass		
	2854	Н					

	LTE Band 12-10MHz							
Channal	Frequency	Spurious I	Emission	Limit (dDm)	Dooult			
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result			
	1408	Vertical	-34.51					
	2112	V	-37.13	≤-13.00	Pass			
Low	2816	V						
LOW	1408	Horizontal	-49.83					
	2112	Н	-49.16	≤-13.00	Pass			
	2816	Н						
	1415	Vertical	-35.10	≤-13.00	Pass			
	2122.5	V	-37.64					
Mid	2830	V						
iviiu	1415	Horizontal	-49.29		Pass			
	2122.5	Н	-49.07	≤-13.00				
	2830	Н						
	1422	Vertical	-34.94					
	2133	V	-37.79	≤-13.00	Pass			
High	2844	V	-					
riigii	1422	Horizontal	-49.27		_			
	2133	Н	-49.09	≤-13.00	Pass			
	2844	Н						

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LTE Band 13-5MHz							
Channal	Frequency	Spurious	Emission	Linnit (dDnn)	D 1		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1559	Vertical	-35.98				
	2338.5	V	-36.54	≤-13.00	Pass		
Low	3118	V					
LOW	1559	Horizontal	-46.06				
	2338.5	Н	-44.56	≤-13.00	Pass		
	3118	Н					
	1564	Vertical	-36.47				
	2346	V	-36.97	≤-13.00	Pass		
Mid	3128	V					
IVIIG	1564	Horizontal	-45.38				
	2346	Н	-37.50	≤-13.00	Pass		
	3128	Н					
	1569	Vertical	-36.99				
	2353.5	V	-37.84	≤-13.00	Pass		
Lligh	3138	V					
High	1569	Horizontal	-45.21				
	2353.5	Н	-37.87	≤-13.00	Pass		
	3138	Н					

LTE Band 13-10MHz							
Channal	Frequency	Spurious I	Emission	Limit (dDm)	Danult		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1564	Vertical	-35.37				
	2346	V	-37.12	≤-13.00	Pass		
Low	3128	V					
Low	1564	Horizontal	-35.29				
	2346	Н	-44.69	≤-13.00	Pass		
	3128	Н					
	1564	Vertical	-35.83		Pass		
	2346	V	-37.52	≤-13.00			
Mid	3128	V					
IVIIU	1564	Horizontal	-34.84				
	2346	Н	-37.88	≤-13.00	Pass		
	3128	Н					
	1564	Vertical	-36.18				
	2346	V	-38.11	≤-13.00	Pass		
Lliah	3128	V					
High	1564	Horizontal	-34.76				
	2346	Н	-38.12	≤-13.00	Pass		
	3128	Н					

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LTE Band 17-5MHz							
Channal	Frequency	Spurious	Emission	Linnit (dDnn)	D !!		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1413	Vertical	-35.15				
	2119.5	V	-37.33	≤-13.00	Pass		
Low	2826	V					
LOW	1413	Horizontal	-44.79				
	2119.5	Н	-44.28	≤-13.00	Pass		
	2826	Н					
	1420	Vertical	-35.72	≤-13.00	Pass		
	2130	V	-37.83				
Mid	2840	V					
IVIIU	1420	Horizontal	-44.12		Pass		
	2130	Н	-38.34	≤-13.00			
	2840	Н					
	1427	Vertical	-36.23				
	2140.5	V	-38.68	≤-13.00	Pass		
∐iah	2854	V					
High	1427	Horizontal	-43.96				
	2140.5	Н	-38.71	≤-13.00	Pass		
	2854	Н					

LTE Band 17-10MHz							
Channal	Frequency	Spurious I	Emission	Limit (dDm)	Doodt		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1418	Vertical	-35.32				
	2127	V	-37.16	≤-13.00	Pass		
Low	2836	V					
LOW	1418	Horizontal	-45.45				
	2127	Н	-44.42	≤-13.00	Pass		
	2836	Н					
	1420	Vertical	-35.85	≤-13.00	Pass		
	2130	V	-37.62				
Mid	2840	V					
IVIIU	1420	Horizontal	-44.89		Pass		
	2130	Н	-38.05	≤-13.00			
	2840	Н					
	1422	Vertical	-36.28				
	2133	V	-38.32	≤-13.00	Pass		
∐iah	2844	V			_		
High	1422	Horizontal	-44.78				
	2133	Н	-38.35	≤-13.00	Pass		
	2844	Н					

- 3.
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LTE Band 25-1.4MHz							
Channel	Frequency	Spurious	Emission	Limit (dDm)	D II		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3701.4	Vertical	-31.06				
	5552.1	V	-32.54	≤-13.00	Pass		
Low	7402.8	V					
LOW	3701.4	Horizontal	-34.28				
	5552.1	Н	-36.25	≤-13.00	Pass		
	7402.8	Н					
	3765	Vertical	-30.45		Pass		
	5647.5	V	-32.67	≤-13.00			
Mid	7530	V					
IVIIU	3765	Horizontal	-34.15		Pass		
	5647.5	Н	-36.12	≤-13.00			
	7530	Н					
	3828.6	Vertical	-30.68				
	5742.9	V	-32.87	≤-13.00	Pass		
Lliah	7657.2	V					
High	3828.6	Horizontal	-34.17				
	5742.9	Н	-36.09	≤-13.00	Pass		
	7657.2	Н					

LTE Band 25-3MHz							
Channal	Frequency	Frequency Spurious Emission		Limeit (alDine)	Danish		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3703	Vertical	-31.63				
	5554.5	V	-32.39	≤-13.00	Pass		
Low	7406	V					
LOW	3703	Horizontal	-32.29				
	5554.5	Н	-32.26	≤-13.00	Pass		
	7406	Н					
	3765	Vertical	-32.18	≤-13.00	Pass		
	5647.5	V	-31.82				
Mid	7530	V					
IVIIU	3765	Horizontal	-32.04				
	5647.5	Н	-31.29	≤-13.00	Pass		
	7530	Н					
	3827	Vertical	-32.95				
	5740.5	V	-31.46	≤-13.00	Pass		
Liah	7654	V					
High	3827	Horizontal	-32.34				
	5740.5	Н	-31.34	≤-13.00	Pass		
	7654	Н					

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	LTE Band 25-5MHz							
Channal	Frequency	Spurious I	Emission	Limeit (dDms)	D !!			
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result			
	3705	Vertical	-32.10					
	5557.5	V	-32.27	≤-13.00	Pass			
Low	7410	V						
LOW	3705	Horizontal	-32.66					
	5557.5	Н	-32.15	≤-13.00	Pass			
	7410	Н						
	3765	Vertical	-32.57	≤-13.00	Pass			
	5647.5	V	-31.78					
Mid	7530	V						
iviiu	3765	Horizontal	-32.94		Pass			
	5647.5	Н	-31.36	≤-13.00				
	7530	Н						
	3825	Vertical	-33.67					
	5737.5	V	-31.49	≤-13.00	Pass			
High	7650	V						
riigii	3825	Horizontal	-33.27					
	5737.5	Н	-31.41	≤-13.00	Pass			
	7650	Н						

LTE Band 25-10MHz							
Channal	Frequency	Spurious I	Emission	Lineit (dDne)	D !!		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3710	Vertical	-32.50				
	5565	V	-32.12	≤-13.00	Pass		
Low	7420	V					
LOW	3710	Horizontal	-33.20				
	5565	Н	-31.97	≤-13.00	Pass		
	7420	Н					
	3765	Vertical	-33.08	≤-13.00	Pass		
	5647.5	V	-31.51				
Mid	7530	V					
iviiu	3765	Horizontal	-33.54				
	5647.5	Н	-30.72	≤-13.00	Pass		
	7530	Н					
	3820	Vertical	-34.91				
	5730	V	-30.98	≤-13.00	Pass		
High	7640	V					
riigri	3820	Horizontal	-34.15				
	5730	Н	-30.82	≤-13.00	Pass		
	7640	Н					

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LTE Band 25-15MHz							
Ohamal	Frequency	Spurious	Emission	Limit (dDms)	D 14		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	3715	Vertical	-32.99				
	5572.5	V	-31.94	≤-13.00	Pass		
Low	7430	V					
Low	3715	Horizontal	-33.81				
	5572.5	Н	-31.77	≤-13.00	Pass		
	7430	Н					
	3765	Vertical	-33.67	≤-13.00	Pass		
	5647.5	V	-31.22				
Mid	7530	V					
iviid	3765	Horizontal	-34.22				
	5647.5	Н	-30.60	≤-13.00	Pass		
	7530	Н					
	3815	Vertical	-35.30				
	5722.5	V	-30.80	≤-13.00	Pass		
∐iah	7630	V					
High	3815	Horizontal	-35.55				
	5722.5	Н	-30.85	≤-13.00	Pass		
	7630	Н					

		LTE Band	1 25-20MHz		
Channel	Frequency	Spurious	Emission	Limit (dDm)	Decult
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result
	3720	Vertical	-33.57		
	5580	V	-31.78	≤-13.00	Pass
Low	7440	V			
LOW	3720	Horizontal	-34.27		
	5580	Н	-31.64	≤-13.00	Pass
	7440	Н			
	3765	Vertical	-34.15		Pass
	5647.5	V	-31.17	≤-13.00	
Mid	7530	V			
IVIIG	3765	Horizontal	-34.62		Pass
	5647.5	Н	-30.68	≤-13.00	
	7530	Н			
	3810	Vertical	-35.47		
	5715	V	-30.84	≤-13.00	Pass
High	7620	V			
High	3810	Horizontal	-34.97		_
	5715	Н	-30.74	≤-13.00	Pass
	7620	Н			

- 3. Remark"---" means that the emission level is too low to be measured
- 4. The emission levels of below 1 GHz are very lower than the limit and not show in test report.

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LTE Band 26-1.4MHz							
Channel	Frequency	Spurious	Emission	Limit (dDm)	D II		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1649.4	Vertical	-36.44				
	2474.1	V	-38.85	≤-13.00	Pass		
Low	3298.8	V					
LOW	1649.4	Horizontal	-33.65				
	2474.1	Н	-40.85	≤-13.00	Pass		
	3298.8	Н					
	1673	Vertical	-35.88	≤-13.00	Pass		
	2509.5	V	-38.96				
Mid	3346	V					
IVIIU	1673	Horizontal	-33.53		Pass		
	2509.5	Н	-40.73	≤-13.00			
	3346	Н					
	1696.6	Vertical	-36.09				
	2544.9	V	-39.15	≤-13.00	Pass		
Lliah	3393.2	V			l		
High	1696.6	Horizontal	-33.55				
	2544.9	Н	-40.71	≤-13.00	Pass		
	3393.2	Н					

LTE Band 26-3MHz							
Channel	Frequency	Spurious	Emission	Limit (dDm)	Danult		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1653	Vertical	-35.84				
	2479.5	V	-38.79	≤-13.00	Pass		
Low	3306	V					
LOW	1653	Horizontal	-36.13				
	2479.5	Н	-38.72	≤-13.00	Pass		
	3306	Н					
	1675.6	Vertical	-36.09	≤-13.00	Pass		
	2513.4	V	-38.53				
Mid	3351.2	V					
iviid	1675.6	Horizontal	-36.02				
	2513.4	Н	-38.27	≤-13.00	Pass		
	3351.2	Н					
	1699.2	Vertical	-36.46				
	2548.8	V	-38.36	≤-13.00	Pass		
∐iah	3398.4	V					
High	1699.2	Horizontal	-36.18				
	2548.8	Н	-38.30	≤-13.00	Pass		
	3398.4	Н					

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LTE Band 26-5MHz							
Ob a mad	Frequency	Spurious	Emission	Limit (-ID)	D 1		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1649.4	Vertical	-36.05				
	2474.1	V	-38.64	≤-13.00	Pass		
Low	3298.8	V					
Low	1649.4	Horizontal	-36.70				
	2474.1	Н	-38.51	≤-13.00	Pass		
	3298.8	Н					
	1673	Vertical	-36.59	≤-13.00	Pass		
	2509.5	V	-38.07				
Mid	3346	V					
IVIIU	1673	Horizontal	-37.03				
	2509.5	Н	-37.59	≤-13.00	Pass		
	3346	Н					
	1696.6	Vertical	-37.86				
	2544.9	V	-37.75	≤-13.00	Pass		
∐iah	3393.2	V					
High	1696.6	Horizontal	-37.40				
	2544.9	Н	-37.65	≤-13.00	Pass		
	3393.2	Н					

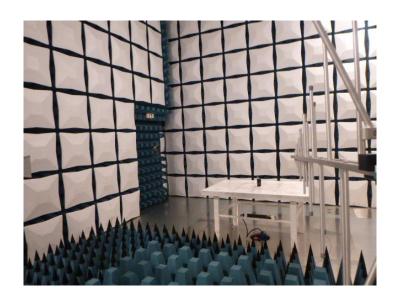
LTE Band 26-10MHz							
Channal	Frequency	Spurious	Emission	Lineit (dDne)	D !!		
Channel	(MHz)	Polarization	Level (dBm)	Limit (dBm)	Result		
	1653.6	Vertical	-36.51				
	2480.4	V	-38.50	≤-13.00	Pass		
Low	3307.2	V					
LOW	1653.6	Horizontal	-37.13				
	2480.4	Н	-38.38	≤-13.00	Pass		
	3307.2	Н					
	1670.1	Vertical	-37.03	≤-13.00	Pass		
	2505.15	V	-37.96				
Mid	3340.2	V					
iviid	1670.1	Horizontal	-37.44				
	2505.15	Н	-37.26	≤-13.00	Pass		
	3340.2	Н					
	1694.52	Vertical	-38.66				
	2541.78	V	-37.49	≤-13.00	Pass		
Ligh	3389.04	V			_		
High	1694.52	Horizontal	-37.90				
	2541.78	Н	-37.33	≤-13.00	Pass		
	3389.04	Н					

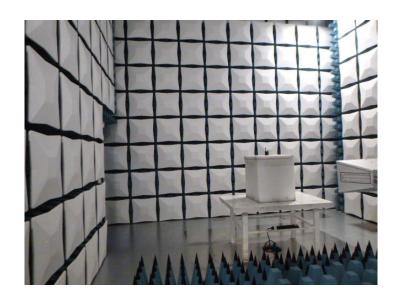
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		LTE Band	d 26-15MHz		
Channel	Frequency (MHz)	Spurious Emission		Limit (dDm)	Dooult
		Polarization	Level (dBm)	Limit (dBm)	Result
	1658.2	Vertical	-36.95	≤-13.00	Pass
Low	2487.3	V	-38.41		
	3316.4	V			
	1658.2	Horizontal	-37.37	≤-13.00	Pass
	2487.3	Н	-38.33		
	3316.4	Н			
Mid	1685.2	Vertical	-37.30	≤-13.00	Pass
	2527.8	V	-38.05		
	3370.4	V			
	1685.2	Horizontal	-37.58	≤-13.00	Pass
	2527.8	Н	-37.73		
	3370.4	Н			
	1702.2	Vertical	-38.13	≤-13.00	Pass
High	2553.3	V	-37.83		
	3404.4	V			
	1702.2	Horizontal	-38.38	≤-13.00	Pass
	2553.3	Н	-37.88		
	3404.4	Н			

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6. TEST SETUP PHOTOS OF THE EUT





7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Refere to the test report No.: CHTEW19070065

8. APPENDIX REPORT