



TEST REPORT

For LTE Cat NB

Report No..... : CHTW25100019A1

Project No : SHT2512111505W

FCC ID : 2A3JW-EM25

Applicant's name : Eitan Medical Ltd.

Address..... : 29 Yad Haruzim St. P.O. Box 8639 Netanya 4250529, Israel

Product Name : Sapphire Connect

Trade Mark..... : Eitan Medical

Model No..... : 15044-000-1029

Listed Model(s) : -

Standard : **FCC CFR Title 47 Part 2**
FCC CFR Title 47 Part 22 Subpart H
FCC CFR Title 47 Part 24 Subpart E
FCC CFR Title 47 Part 27

Date of receipt of test sample..... : 2025/6/20

Date of testing..... : 2025/7/9- 2025/8/26

Date of issue..... : 2026/1/7

Result..... : **PASS**



Compiled by (Position+Printed name+Signature) :	File administrator	Caspar Chen	
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Testing Laboratory Name : **Shenzhen Huatongwei International Inspection Co., Ltd.**

Address..... : Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China

Test Report Form No. : R0066

Test Report Form(s) Originator : Shenzhen Huatongwei International Inspection Co., Ltd.

Master TRF : Dated 2025-07

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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 22 Subpart H](#): Cellular Radiotelephone Service

[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	2025-10-11	Original
A1	2026-01-07	1. Add information about the radiation spurious test software. 2. The equipment list is supplemented with signal sources and attenuators. 3. Add the EUT test configuration diagram.

2. TEST DESCRIPTION

Section	Test Item	Section in CFR 47	Result #1	Test Engineer
-	Conducted Output Power	Part 2.1046 Part 22.913(a) Part 24.232(c) Part 27.50	Pass*	-
-	Peak-to-Average Ratio	Part 24.232 Part 27.50	Pass*	-
-	99% Occupied Bandwidth & 26 dB Bandwidth	Part 2.1049 Part 22.917(b) Part 24.238(b) Part 27.53	Pass*	-
-	Band Edge	Part 2.1051 Part 22.917 Part 24.238 Part 27.53	Pass*	-
-	Conducted Spurious Emissions	Part 2.1051 Part 22.917 Part 24.238 Part 27.53	Pass*	-
-	Frequency stability vs temperature	Part 2.1055(a)(1)(b) Part 22.355 Part 24.235 Part 27.54	Pass*	-
-	Frequency stability vs voltage	Part 2.1055(d)(1)(2) Part 22.355 Part 24.235 Part 27.54	Pass*	-
5.1	ERP and EIRP	Part 22.913(a) Part 24.232(b) Part 27.50	Pass	XAINGYU.WEI
5.2	Radiated Spurious Emissions	Part 2.1053 Part 22.917 Part 24.238 Part 27.53	Pass	YIFAN.WANG

Note:

- 1) #1: The test result does not include measurement uncertainty value
- 2) *: Refer to the module report which report No. is R2005A0283-R6 and R2005A0283-R7.

- 3) This device has installed a certified modular which FCC ID:XMR202005BG95M5, so these conducted test data directly reference the modular's data.

3. SUMMARY

3.1. Client Information

Applicant:	Eitan Medical Ltd.
Address:	29 Yad Haruzim St. P.O. Box 8639 Netanya 4250529, Israel
Manufacturer:	Eitan Medical Ltd.
Address:	29 Yad Haruzim St. P.O. Box 8639 Netanya 4250529, Israel

3.2. Product Description

Main unit information:	
Product Name:	Sapphire Connect
Trade Mark:	Eitan Medical
Model No.:	15044-000-1029
Listed Model(s):	-
Power supply:	DC 3.7V from Battery
Hardware version:	2.2
Software version:	2.0.0
Accessory unit information:	
Battery information:	LiPo Battery FT503450P 3.7V 900mAh
Adapter information:	Model: FW8000M/05 Input: 100-240V~/50-60Hz/300-150mAh Output: 5Vd.c./2200mA

3.3. Radio Specification Description

Support LTE type:	☐ Cat NB1 ☒ Cat NB2
Support Operating Band:	☒ FDD Band 2 ☒ FDD Band 4 ☒ FDD Band 5 ☒ FDD Band 12
Operating Frequency Range:	Please refer to note #2
Channel bandwidth:	200kHz
Subcarrier spacing:	☒ 3.75kHz ☒ 15kHz
Uplink Modulation type:	☒ BPSK ☒ QPSK
Downlink Modulation type:	☒ BPSK ☒ QPSK
Antenna type:	Dipole Printed Antenna
Antenna gain #3:	Band 2: 1.5dBi Band 4: 2.66dBi Band 5: -10.0dBi

	Band 12: -1.41dBi
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Note:

- ☒: means that this feature is supported; ☐: means that this feature is not supported
- #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 5	824.7 – 848.3 MHz	869.7 – 893.3 MHz
FDD Band 12	699.7 – 715.3 MHz	729.7 – 745.3 MHz

- #3: 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 Inspection Co., Ltd.	
Laboratory Location	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China	
Contact information:	Phone: 400-963-0755 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn	
Qualifications	Type	Accreditation Number
	FCC Registration Number	762235
	FCC Designation Number	CN1181

4. TEST CONFIGURATION

4.1. Test frequency list

FDD Band 2	Test Frequency ID	N_{UL}	M_{UL}	Frequency of Uplink [MHz]	N_{DL}	M_{DL}	Frequency of Downlink [MHz]
	Low Range	18601	0	1850.1	601	-0.5	1930.1
	Mid Range	18900	0	1880.0	900	-0.5	1960.0
	High Range	19199	0	1909.9	1199	-0.5	1989.9
	NOTE 1: Applicable to either 3.75 kHz or 15 kHz NB-IoT UL subcarrier spacing						
FDD Band 4	Test Frequency ID	N_{UL}	M_{UL}	Frequency of Uplink [MHz]	N_{DL}	M_{DL}	Frequency of Downlink [MHz]
	Low Range	19951	0	1710.1	1951	-0.5	2110.1
	Mid Range	20175	0	1732.5	2175	-0.5	2132.5
	High Range	20399	0	1754.9	2399	-0.5	2154.9
	NOTE 1: Applicable to either 3.75 kHz or 15 kHz NB-IoT UL subcarrier spacing						
FDD Band 5	Test Frequency ID	N_{UL}	M_{UL}	Frequency of Uplink [MHz]	N_{DL}	M_{DL}	Frequency of Downlink [MHz]
	Low Range	20401	0	824.1	2401	-0.5	869.1
	Mid Range	20525	0	836.5	2525	-0.5	881.5
	High Range	20649	0	848.9	2649	-0.5	893.9
	NOTE 1: Applicable to either 3.75 kHz or 15 kHz NB-IoT UL subcarrier spacing						
FDD Band 12	Test Frequency ID	N_{UL}	M_{UL}	Frequency of Uplink [MHz]	N_{DL}	M_{DL}	Frequency of Downlink [MHz]
	Low Range	23011	0	699.1	5011	-0.5	729.1
	Mid Range	23095	0	707.5	5095	-0.5	737.5
	High Range	23179	0	715.9	5179	-0.5	745.9
	NOTE 1: Applicable to either 3.75 kHz or 15 kHz NB-IoT UL subcarrier spacing						

4.2. Test mode

Test mode	Link mode
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- 1) 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	Modulation	Subcarrier spacing	N _{Tones}		
			1	Half	Full
Radiated Spurious Emission	#4	#5	○	-	-

Note:

- #4: Test all kind of uplink modulation in section 3.3
- #5: Test all kind of subcarrier spacing in section 3.3
- ○: means that this configuration is chosen for testing
- -: means that this configuration is not test.
- The device is investigated from 30MHz to 10 times of fundamental signal for radiated spurious emission test under different modulations, Subcarrier spacing and N_{Tones} in exploratory test. Subsequently, only the worst case emissions (QPSK, 15kHz SCS, and 1@0) are reported.

4.3. Test sample information

Test item	HTW sample no.
Radiated test items	YPHT25060472003

Radiated test items: Radiated Spurious Emission

4.4. Setup Diagram for Tests

Test item	Configuration
Radiated test items	

4.5. 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:

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

4.6. Testing environmental condition

Voltage	VN=Nominal Voltage	DC 3.70V
Temperature	TN=Normal Temperature	25 °C
Humidity	30~60 %	
Air Pressure	950-1050 hPa	

4.7. Statement of the measurement uncertainty

No.	Test Items	Measurement Uncertainty
1	Radiated Spurious Emission	4.54dB for 30MHz-1GHz 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.

4.8. Equipments Used during the Test

● RF Test Software					
Used	Test Item	Software Name	Manufacturer	Equipment No.	Version
●	Radiated Spurious Emission	E3	AUDIX	HTWER006	V6.110407a

● Radiated Spurious 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	2024/8/12	2025/8/11
●	Spectrum Analyzer	R&S	HTWE0098	FSP40	100597	2025/8/6	2026/8/5
●	Spectrum Analyzer	Agilent	HTWE0385	N9020A	MY54486658	2024/8/12	2025/8/11
●	Spectrum Analyzer	Agilent	HTWE0385	N9020A	MY54486658	2025/8/6	2026/8/5
●	Vector signal generator	R&S	HTWE0244	SMBV100A	260790	2025/3/13	2026/3/12
●	Attenuator	Eastsheep	HTWE0387	NCP-20-3-100W	/	2025/3/26	2026/3/25
●	Ultra-Broadband Antenna	SCHWARZBECK	HTWE0123	VULB9163	538	2024/4/8	2027/4/7
●	Horn Antenna	SCHWARZBECK	HTWE0126	BBHA 9120D	1011	2023/2/14	2026/2/13
●	Horn Antenna	STEATITE	HTWE0549	QMS-00880	25661	2025/4/14	2028/4/13
●	Pre-Amplifier	CD	HTWE0071	PAP-0102	12004	2025/5/26	2026/5/25
●	Broadband Pre-amplifier	SCHWARZBECK	HTWE0551	SCU18F	100855	2025/5/26	2026/5/25
●	Pre-amplifier	SCHWARZBECK	HTWE0552	SCU40F1	100619	2025/5/26	2026/5/25

● Auxiliary Equipment							
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	HTWE0323	CMW500	137681	2025/3/13	2026/3/12
●	High pass filter	Wainwright	HTWE0297	WHKX3.0/18G-10SS	38	2025/5/26	2026/5/25
●	Band Stop filter	-	HTWE0039	N/A	N/A	2025/1/21	2026/1/20

5. TEST CONDITIONS AND RESULTS

5.1. ERP and EIRP

LIMIT

LTE Band 2: 2W(33dBm) EIRP

LTE Band 4: 1W(30dBm) EIRP

LTE Band 5: 7W(38.50dBm) ERP

LTE Band 12: 3W(34.77dBm) 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. $ERP = \text{conducted power} + \text{Gain(dBd)}$
3. $EIRP = \text{conducted power} + \text{Gain(dBi)}$
 $ERP = EIRP - 2.15$

TEST RESULTS

☒ **Passed** ☐ **Not Applicable**

TEST DATA

Band	SCS	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP		Limit (W)	Verdict
					(dBm)	(W)		
LTE Cat NB Band 2	3.75kHz	BPSK	23.95	1.50	25.45	0.3508	2	PASS
		QPSK	23.86	1.50	25.36	0.3436	2	PASS
	15kHz	BPSK	23.72	1.50	25.22	0.3327	2	PASS
		QPSK	23.66	1.50	25.16	0.3281	2	PASS
LTE Cat NB Band 4	3.75kHz	BPSK	23.74	2.66	26.40	0.4365	1	PASS
		QPSK	23.65	2.66	26.31	0.4276	1	PASS
	15kHz	BPSK	23.66	2.66	26.32	0.4285	1	PASS
		QPSK	23.74	2.66	26.40	0.4365	1	PASS

Band	SCS	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	ERP		Limit (W)	Verdict
					(dBm)	(W)		
LTE Cat NB Band 12	3.75kHz	BPSK	23.30	-1.41	19.74	0.0942	3	PASS
		QPSK	23.37	-1.41	19.81	0.0957	3	PASS
	15kHz	BPSK	23.44	-1.41	19.88	0.0973	3	PASS
		QPSK	23.41	-1.41	19.85	0.0966	3	PASS

Band	SCS	Mode	Conducted Power (dBm)	Antenna Gain (dBi)	ERP		Limit (W)	Verdict
					(dBm)	(W)		
Band 5	3.75kHz	QPSK	23.57	-10.00	11.42	0.0139	7	PASS
		16QAM	23.61	-10.00	11.46	0.0140	7	PASS
	15kHz	QPSK	23.56	-10.00	11.41	0.0138	7	PASS
		16QAM	23.55	-10.00	11.40	0.0138	7	PASS

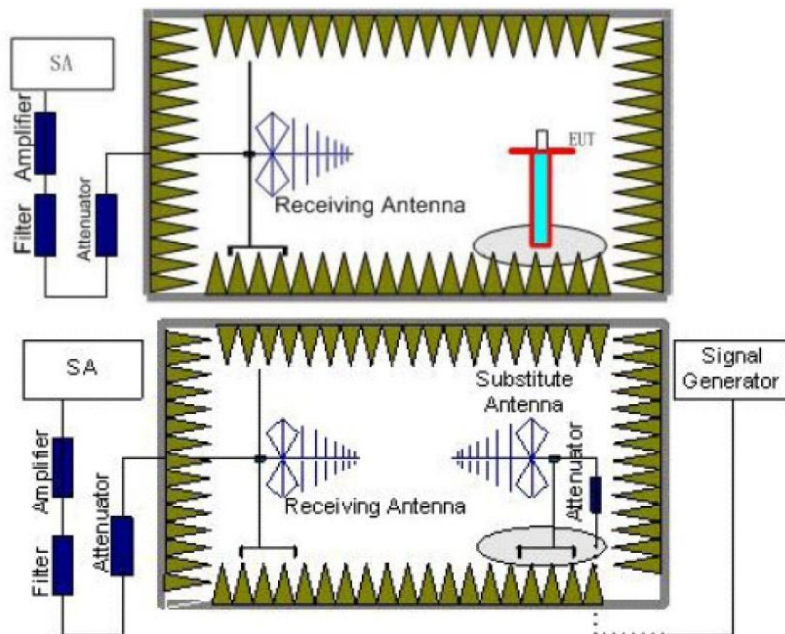
Note: Conducted power refer to module FCC ID:XMR202005BG95M5.

5.2. Radiated Spurious Emission

LIMIT

LTE Band 2/4/5/12: -13dBm

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=Peak, 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.

7. 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:
$$P_e = P_s(\text{dBm}) - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$
where
 P_e = equivalent emission power in dBm
 P_s = 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:
$$\text{gain (dBd)} = \text{gain (dBi)} - 2.15 \text{ dB}.$$
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**

LTE Band 2									
Test channel:		Low		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-70.03	25.22	1.24	30.93	-74.50	-13.00	-61.50	Peak
2	400.56	-70.22	25.43	3.95	29.80	-70.64	-13.00	-57.64	Peak
3	3700.26	-54.61	42.29	5.22	40.76	-47.86	-13.00	-34.86	Peak
4	6001.77	-54.58	44.56	6.70	39.23	-42.55	-13.00	-29.55	Peak
5	7508.69	-58.75	48.05	7.79	39.93	-42.84	-13.00	-29.84	Peak
6	10999.95	-57.02	52.91	8.80	40.70	-36.01	-13.00	-23.01	Peak
Test channel:		Low		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	46.72	-67.14	21.78	1.25	30.91	-75.02	-13.00	-62.02	Peak
2	400.56	-69.96	25.25	3.95	29.80	-70.56	-13.00	-57.56	Peak
3	3498.74	-52.26	41.10	5.07	40.93	-47.02	-13.00	-34.02	Peak
4	4996.69	-56.01	44.50	6.00	40.20	-45.71	-13.00	-32.71	Peak
5	6001.77	-54.02	44.76	6.70	39.23	-41.79	-13.00	-28.79	Peak
6	10011.21	-60.21	50.54	8.61	39.91	-40.97	-13.00	-27.97	Peak

Test channel:		Middle		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-67.63	25.22	1.24	30.93	-72.10	-13.00	-59.10	Peak
2	400.56	-70.61	25.43	3.95	29.80	-71.03	-13.00	-58.03	Peak
3	4996.69	-57.73	44.35	6.00	40.20	-47.58	-13.00	-34.58	Peak
4	6001.77	-55.40	44.56	6.70	39.23	-43.37	-13.00	-30.37	Peak
5	8506.17	-56.33	47.21	8.24	40.20	-41.08	-13.00	-28.08	Peak
6	10011.21	-56.48	50.43	8.61	39.91	-37.35	-13.00	-24.35	Peak
Test channel:		Middle		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-71.53	21.68	1.24	30.93	-79.54	-13.00	-66.54	Peak
2	400.56	-68.27	25.25	3.95	29.80	-68.87	-13.00	-55.87	Peak
3	4004.08	-55.24	41.55	5.44	40.31	-48.56	-13.00	-35.56	Peak
4	6001.77	-55.26	44.76	6.70	39.23	-43.03	-13.00	-30.03	Peak
5	7489.60	-58.80	48.44	7.78	39.93	-42.51	-13.00	-29.51	Peak
6	10011.21	-59.30	50.54	8.61	39.91	-40.06	-13.00	-27.06	Peak

Test channel:		High		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-69.03	25.22	1.24	30.93	-73.50	-13.00	-60.50	Peak
2	449.85	-72.97	25.95	4.20	29.90	-72.72	-13.00	-59.72	Peak
3	3786.01	-55.87	42.20	5.26	40.61	-49.02	-13.00	-36.02	Peak
4	6001.77	-54.75	44.56	6.70	39.23	-42.72	-13.00	-29.72	Peak
5	7508.69	-56.94	48.05	7.79	39.93	-41.03	-13.00	-28.03	Peak
6	10011.21	-55.74	50.43	8.61	39.91	-36.61	-13.00	-23.61	Peak
Test channel:		High		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-64.13	21.68	1.24	30.93	-72.14	-13.00	-59.14	Peak
2	400.56	-65.74	25.25	3.95	29.80	-66.34	-13.00	-53.34	Peak
3	3498.74	-53.99	41.10	5.07	40.93	-48.75	-13.00	-35.75	Peak
4	5504.17	-54.81	44.00	6.40	39.71	-44.12	-13.00	-31.12	Peak
5	7508.69	-59.15	48.40	7.79	39.93	-42.89	-13.00	-29.89	Peak
6	10011.21	-60.90	50.54	8.61	39.91	-41.66	-13.00	-28.66	Peak

LTE Band 4									
Test channel:		Low		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	44.64	-69.92	25.69	1.22	30.94	-73.95	-13.00	-60.95	Peak
2	400.56	-72.44	25.43	3.95	29.80	-72.86	-13.00	-59.86	Peak
3	3419.49	-49.06	39.86	4.92	40.84	-45.12	-13.00	-32.12	Peak
4	5138.58	-51.15	44.07	6.11	40.04	-41.01	-13.00	-28.01	Peak
5	7508.69	-57.52	48.05	7.79	39.93	-41.61	-13.00	-28.61	Peak
6	10011.21	-56.23	50.43	8.61	39.91	-37.10	-13.00	-24.10	Peak
Test channel:		Low		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-70.57	21.68	1.24	30.93	-78.58	-13.00	-65.58	Peak
2	400.56	-71.67	25.25	3.95	29.80	-72.27	-13.00	-59.27	Peak
3	3419.49	-48.58	39.88	4.92	40.84	-44.62	-13.00	-31.62	Peak
4	5138.58	-48.77	44.10	6.11	40.04	-38.60	-13.00	-25.60	Peak
5	6851.19	-58.08	47.39	7.41	39.39	-42.67	-13.00	-29.67	Peak
6	10011.21	-59.16	50.54	8.61	39.91	-39.92	-13.00	-26.92	Peak

Test channel:		Middle		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-64.65	25.22	1.24	30.93	-69.12	-13.00	-56.12	Peak
2	703.10	-57.27	28.24	5.38	29.30	-52.95	-13.00	-39.95	Peak
3	3445.70	-48.86	40.24	4.97	40.87	-44.52	-13.00	-31.52	Peak
4	5177.97	-52.05	43.99	6.15	39.99	-41.90	-13.00	-28.90	Peak
5	8002.06	-57.19	48.12	8.04	39.94	-40.97	-13.00	-27.97	Peak
6	10011.21	-55.73	50.43	8.61	39.91	-36.60	-13.00	-23.60	Peak
Test channel:		Middle		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	44.64	-63.95	21.58	1.22	30.94	-72.09	-13.00	-59.09	Peak
2	400.56	-65.87	25.25	3.95	29.80	-66.47	-13.00	-53.47	Peak
3	3445.70	-50.11	40.28	4.97	40.87	-45.73	-13.00	-32.73	Peak
4	5177.97	-50.71	43.98	6.15	39.99	-40.57	-13.00	-27.57	Peak
5	7508.69	-58.44	48.40	7.79	39.93	-42.18	-13.00	-29.18	Peak
6	10011.21	-59.68	50.54	8.61	39.91	-40.44	-13.00	-27.44	Peak

Test channel:		High		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-69.55	25.22	1.24	30.93	-74.02	-13.00	-61.02	Peak
2	400.56	-71.94	25.43	3.95	29.80	-72.36	-13.00	-59.36	Peak
3	3472.12	-48.35	40.61	5.02	40.90	-43.62	-13.00	-30.62	Peak
4	5217.66	-52.49	43.96	6.18	39.94	-42.29	-13.00	-29.29	Peak
5	7508.69	-57.25	48.05	7.79	39.93	-41.34	-13.00	-28.34	Peak
6	10011.21	-55.28	50.43	8.61	39.91	-36.15	-13.00	-23.15	Peak
Test channel:		High		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	46.72	-68.90	21.78	1.25	30.91	-76.78	-13.00	-63.78	Peak
2	400.56	-70.72	25.25	3.95	29.80	-71.32	-13.00	-58.32	Peak
3	3472.12	-50.84	40.69	5.02	40.90	-46.03	-13.00	-33.03	Peak
4	5217.66	-49.95	43.94	6.18	39.94	-39.77	-13.00	-26.77	Peak
5	7508.69	-59.56	48.40	7.79	39.93	-43.30	-13.00	-30.30	Peak
6	10011.21	-58.85	50.54	8.61	39.91	-39.61	-13.00	-26.61	Peak

LTE Band 5									
Test channel:		Low		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	44.64	-67.17	25.69	1.22	30.83	-71.09	-13.00	-58.09	Peak
2	308.78	-79.35	22.66	3.45	29.35	-82.59	-13.00	-69.59	Peak
3	6001.77	-49.43	44.56	7.27	39.12	-36.72	-13.00	-23.72	Peak
4	7508.69	-58.10	48.05	7.98	39.20	-41.27	-13.00	-28.27	Peak
5	8506.17	-59.33	47.21	8.57	39.31	-42.86	-13.00	-29.86	Peak
6	10011.21	-58.91	50.43	8.81	40.62	-40.29	-13.00	-27.29	Peak
Test channel:		Low		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-62.52	21.68	1.24	30.83	-70.43	-13.00	-57.43	Peak
2	349.23	-72.93	24.55	3.69	29.33	-74.02	-13.00	-61.02	Peak
3	5747.59	-51.68	44.07	7.01	39.33	-39.93	-13.00	-26.93	Peak
4	6001.77	-48.28	44.76	7.27	39.12	-35.37	-13.00	-22.37	Peak
5	7508.69	-56.14	48.40	7.98	39.20	-38.96	-13.00	-25.96	Peak
6	10011.21	-58.12	50.54	8.81	40.62	-39.39	-13.00	-26.39	Peak

Test channel:		Middle		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	44.64	-65.53	25.69	1.22	30.83	-69.45	-13.00	-56.45	Peak
2	767.71	-72.27	29.39	5.68	29.08	-66.28	-13.00	-53.28	Peak
3	6001.77	-46.59	44.56	7.27	39.12	-33.88	-13.00	-20.88	Peak
4	7508.69	-55.91	48.05	7.98	39.20	-39.08	-13.00	-26.08	Peak
5	10011.21	-58.61	50.43	8.81	40.62	-39.99	-13.00	-26.99	Peak
6	12024.96	-60.37	52.57	10.11	40.79	-38.48	-13.00	-25.48	Peak
Test channel:		Middle		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-62.16	21.68	1.24	30.83	-70.07	-13.00	-57.07	Peak
2	639.42	-70.84	28.42	5.14	29.15	-66.43	-13.00	-53.43	Peak
3	5747.59	-52.09	44.07	7.01	39.33	-40.34	-13.00	-27.34	Peak
4	6001.77	-47.40	44.76	7.27	39.12	-34.49	-13.00	-21.49	Peak
5	7264.28	-56.43	48.62	7.84	38.96	-38.93	-13.00	-25.93	Peak
6	10011.21	-56.96	50.54	8.81	40.62	-38.23	-13.00	-25.23	Peak

Test channel:		High		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	45.75	-62.19	25.22	1.24	30.83	-66.56	-13.00	-53.56	Peak
2	646.20	-69.64	28.73	5.16	29.14	-64.89	-13.00	-51.89	Peak
3	5504.17	-52.84	43.89	6.87	39.46	-41.54	-13.00	-28.54	Peak
4	6001.77	-47.30	44.56	7.27	39.12	-34.59	-13.00	-21.59	Peak
5	6747.34	-56.33	46.67	7.77	38.93	-40.82	-13.00	-27.82	Peak
6	12024.96	-59.41	52.57	10.11	40.79	-37.52	-13.00	-24.52	Peak
Test channel:		High		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	44.64	-66.21	21.58	1.22	30.83	-74.24	-13.00	-61.24	Peak
2	671.69	-76.96	28.48	5.28	29.17	-72.37	-13.00	-59.37	Peak
3	6001.77	-46.99	44.76	7.27	39.12	-34.08	-13.00	-21.08	Peak
4	6747.34	-54.56	47.27	7.77	38.93	-38.45	-13.00	-25.45	Peak
5	10011.21	-59.27	50.54	8.81	40.62	-40.54	-13.00	-27.54	Peak
6	12024.96	-62.24	52.88	10.11	40.79	-40.04	-13.00	-27.04	Peak

LTE Band 12									
Test channel:		Low		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	57.50	-96.03	24.29	1.39	0.00	-70.35	-13.00	-57.35	Peak
2	411.99	-94.73	25.76	4.00	0.00	-64.97	-13.00	-51.97	Peak
3	1406.50	-36.92	37.12	3.09	41.30	-38.01	-13.00	-25.01	Peak
4	2113.59	-33.42	40.19	3.83	41.10	-30.50	-13.00	-17.50	Peak
5	6001.77	-53.90	44.56	6.70	39.23	-41.87	-13.00	-28.87	Peak
6	10011.21	-57.04	50.43	8.61	39.91	-37.91	-13.00	-24.91	Peak
Test channel:		Low		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	92.76	-96.12	25.85	1.81	0.00	-68.46	-13.00	-55.46	Peak
2	457.83	-94.60	25.02	4.24	0.00	-65.34	-13.00	-52.34	Peak
3	1406.50	-43.99	37.76	3.09	41.30	-44.44	-13.00	-31.44	Peak
4	2113.59	-38.93	40.29	3.83	41.10	-35.91	-13.00	-22.91	Peak
5	6001.77	-52.86	44.76	6.70	39.23	-40.63	-13.00	-27.63	Peak
6	10011.21	-56.88	50.54	8.61	39.91	-37.64	-13.00	-24.64	Peak

Test channel:		Middle		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	89.87	-86.15	17.92	1.78	0.00	-66.45	-13.00	-53.45	Peak
2	437.37	-94.10	26.03	4.13	0.00	-63.94	-13.00	-50.94	Peak
3	1406.50	-41.23	37.12	3.09	41.30	-42.32	-13.00	-29.32	Peak
4	2108.21	-33.61	40.14	3.82	41.10	-30.75	-13.00	-17.75	Peak
5	6001.77	-52.58	44.56	6.70	39.23	-40.55	-13.00	-27.55	Peak
6	10011.21	-54.80	50.43	8.61	39.91	-35.67	-13.00	-22.67	Peak
Test channel:		Middle		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	57.50	-95.31	23.37	1.39	0.00	-70.55	-13.00	-57.55	Peak
2	413.44	-93.95	25.33	4.01	0.00	-64.61	-13.00	-51.61	Peak
3	1406.50	-45.66	37.76	3.09	41.30	-46.11	-13.00	-33.11	Peak
4	2108.21	-43.39	40.20	3.82	41.10	-40.47	-13.00	-27.47	Peak
5	3498.74	-53.84	41.10	5.07	40.93	-48.60	-13.00	-35.60	Peak
6	6001.77	-55.18	44.76	6.70	39.23	-42.95	-13.00	-29.95	Peak

Test channel:		High		Polarization:			Horizontal		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	60.40	-96.15	24.20	1.43	0.00	-70.52	-13.00	-57.52	Peak
2	423.74	-94.83	25.99	4.06	0.00	-64.78	-13.00	-51.78	Peak
3	1420.89	-36.73	37.03	3.10	41.32	-37.92	-13.00	-24.92	Peak
4	2135.22	-35.28	40.39	3.87	41.10	-32.12	-13.00	-19.12	Peak
5	7508.69	-56.33	48.05	7.79	39.93	-40.42	-13.00	-27.42	Peak
6	10011.21	-57.20	50.43	8.61	39.91	-38.07	-13.00	-25.07	Peak
Test channel:		High		Polarization:			Vertical		
Mark	Frequency MHz	Reading dBm	Antenna dB	Cable dB	Preamp dB	Level dBm	Limit dBm	Over limit	Remark
1	99.52	-95.94	25.76	1.87	0.00	-68.31	-13.00	-55.31	Peak
2	417.82	-94.42	25.36	4.03	0.00	-65.03	-13.00	-52.03	Peak
3	1420.89	-34.95	37.76	3.10	41.32	-35.41	-13.00	-22.41	Peak
4	2135.22	-35.28	40.66	3.87	41.10	-31.85	-13.00	-18.85	Peak
5	5504.17	-53.37	44.00	6.40	39.71	-42.68	-13.00	-29.68	Peak
6	10011.21	-60.50	50.54	8.61	39.91	-41.26	-13.00	-28.26	Peak

6. TEST SETUP PHOTOS OF THE EUT

Refer to the test report No.: CHTW25100017A1

7. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Refer to the test report No.: CHTW25100017A1

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