

**Radio equipment according to Certification
Ordinance Article 2 Paragraph 1 of Item 47-4
for
Artemis Anchor
Model No.: UG-A210H**

of

Applicant: AVALUE TECHNOLOGY INCORPORATION.
Address: 7F, No.228, Lian-Cheng Road, Zhonghe District, New Taipei City 235,
Taiwan
Tested and Prepared

By

Worldwide Testing Services (Taiwan) Co., Ltd.

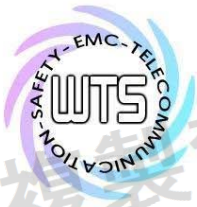
Report No.: W6D22208-22042-J-1

6F, NO. 58, LANE 188, RUEY-KUANG RD., NEIHU TAIPEI 114, TAIWAN, R.O.C.
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1 General Information

1.1 Notes

The purpose of conformity testing is to increase the probability of adherence to the essential requirements or conformity specifications, as appropriate.

The complexity of the technical specifications, however, means that full and thorough testing is impractical for both technical and economic reasons.

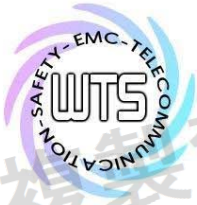
Furthermore, there is no guarantee that a test sample, which has passed all the relevant tests conforms to a specification.

Neither is there any guarantee that such a test sample will interwork with other genuinely open systems.

The existence of the tests nevertheless provides the confidence that the test sample possesses the qualities as maintained and that its performance generally conforms to representative cases of communications equipment.

Laboratory disclaimer-

1. The test results of this test report relate exclusively to the item tested as specified in 1.5.
2. The test report may only be reproduced or published in full.
3. Reproduction or publication of extracts from the report requires the prior written approval of the Worldwide Testing Services (Taiwan) Co., Ltd.
4. Antenna gain is provided by applicant and laboratory issue relevant data and results.



Worldwide Testing Services(Taiwan) Co., Ltd.

Tester:

September 29, 2022

Spencer Yang

Spencer

Date

WTS-Lab.

Name

Signature

Technical responsibility for area of testing:

September 29, 2022

Kevin Wang

Kevin Wang

Date

WTS

Name

Signature



Worldwide Testing Services(Taiwan) Co., Ltd.

1.2 Testing laboratory

1.2.1 Location

OATS

No.5-1, Shuang Sing Village,
LiShuei Rd., Wanli Dist.,
New Taipei City 207, Taiwan (R.O.C.)

Company

6F, NO. 58, LANE 188, RUEY-KUANG RD.
NEIHU, TAIPEI 114, TAIWAN R.O.C.

Tel : +886-2-66068877

Fax : +886-2-66068879

1.2.2 Details of accreditation status

Accredited testing laboratory

Telefication Reviewed Laboratory: TRL 0501

1.3 Details of applicant

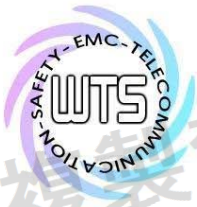
Name : AVALUE TECHNOLOGY INCORPORATION.
Street : 7F, No.228, Lian-Cheng Road, Zhonghe District,
Town : New Taipei City 235,
Country : Taiwan

1.4 Application details

Date of receipt of test item : ./.
Date of test : from April 22, 2022 to May 12, 2022

1.5 Equipment information

Description of test item : Artemis Anchor
Type identification : UG-A210H
Sample No. : #01
Multi-listing model number : ./.
Trade mark : ./.
Modulation type : BPM-BPSK



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Frequency range : 7.25-9 GHz
Tested frequencies : 7.9872 GHz
Frequency of the used channel : CH9
Type of antenna : PIFA antenna
Antenna gain : 4.5 dBi
Rated output power : 0.001 mW
EIRP : -29.05 dBm/50 MHz (Peak)

Manufacturer: (if different from applicant)

Name : GIPS Technology Co., Ltd.
Street : Rm. 2, 6 F., No. 395, Sec. 1, Linsen Rd., East Dist.,
Town : Tainan City 70151,
Country : Taiwan (R.O.C.)

1.6 Assembly

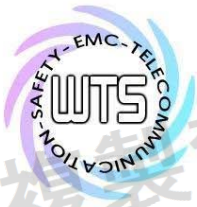
The RF module is covered by the metal shielded board with soldering. For this EUT is opening only by destroying the equipment have been taken to satisfy sample requirement.

1.7 Test method

According to Article 2 Paragraph 1 of Item 47-4

Special statement:

1. This test report is based on the original test report no. W6M22204-21746-J-1.
2. The relevant Circuitry, PCB Layout, Inner element, Appearance and Function is exactly the same as the one in original test report. The differences are applicant, product name, model number and brand name. Therefore the test result is also based on the original test report no. W6M22204-21746-J-1 without retesting.
3. This product has Transmission Control function and Interference Prevent function.



2 Technical Test

2.1 Summary of test results

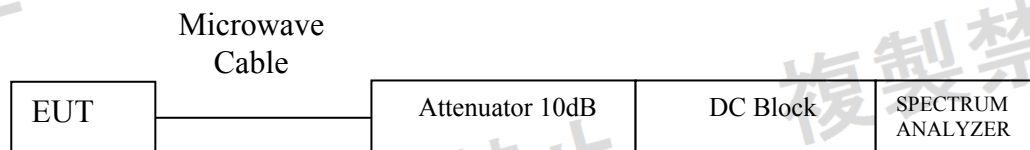
No deviations from the technical specifications were ascertained in the course of the test performed.

2.2 Test environment

Temperature	:	5 ° C - 35 ° C
Relative humidity content	:	45% - 85%
Air pressure	:	990 - 1300 hPa
Details of power supply	:	100Va.c.
Other parameter	:	./.
Extreme conditions parameters	:	Vnom: -- V Vmin: -- V Vmax: -- V

2.3 Test setup

Antenna power, Frequency tolerance, Occupied bandwidth, Spreading bandwidth and Spurious emission



Test item Name	Measurement Uncertainty
Estimation Result of Uncertainty of Frequency Drift Measurement	Expanded Uncertainty : 6.11 Hz
Estimation Result of Uncertainty of Bandwidth Measurement	Expanded Uncertainty : 0.45 kHz
Estimation Result of Uncertainty of Conducted Output Power Measurement	Expanded Uncertainty : 3.07 dB

The decision rule is: Measurement uncertainty is not included in the calculation of test results.



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2.4 Test equipment utilized

No.	Test equipment	Type	Serial No.	Manufacturer	Cal. Date	Next Cal. Date
ETSTW-CE 001	EMI TEST RECEIVER	ESHS10	842121/013	R&S	2021/6/17	2022/6/16
ETSTW-CE 003	AC POWER SOURCE	APS-9102	D161137	GW	Function Test	
ETSTW-CE 004	ZWEILEITER-V-NETZNACHBILDUNG TWO-LINE V-NETWORK	ESH3-Z5	840731/011	R&S	2021/11/9	2022/11/8
ETSTW-CE 005	Line-Impedance Stabilisation Network	NNBM 8126D	137	Schwarzbeck	2022/4/19	2023/4/18
ETSTW-CE 006	IMPULSBEGRENZER PULSE LIMITER	ESH3-Z2	100226	R&S	2021/9/22	2022/9/21
ETSTW-CE 008	HF-EICHLERUNG RF STEP ATTENUATOR 139dB DPSP	334.6010.02	844581/024	R&S	Function Test	
ETSTW-CE 009	TEMP.&HUMIDITY CHAMBER	GTH-225-40-1P-U	MAA0305-009	GIANT FORCE	2021/7/29	2022/7/28
ETSTW-CE 016	TWO-LINE V-NETWORK	ENV216	100050	R&S	2021/11/8	2022/11/7
ETSTW-CE 024	IMPEDANCE STABILIZATION NETWORK	ISN T800	29454	TESEQ	2021/7/19	2022/7/18
ETSTW-CE 027	COUPLING AND DECOUPLING NETWORK	CDN ST08AS	38087	TESEQ	Function Test	
ETSTW-CE 028	MXE EMI Receiver	N9038A	MY53220110	Agilent	2021/7/28	2022/7/27
ETSTW-CE 030	CISPR Passive probe	PMM SHC-1-1000	1021X30803	Narda S.T.S/PMM	2022/3/29	2023/3/28
ETSTW-CS 004	COUPLING AND DECOUPLING NETWORK	CDN M016	20053	SCHAFFNER	2021/9/6	2022/9/5
ETSTW-CS 005	RF Power Amplifier	100A250A	306547	AR	Function Test	
ETSTW-CS 010	6 dB Attenuator	SA3N1007-06	None	AISI	Function test	
ETSTW-CS 011	ESG Analog Signal Generator	E4428C	MY45280875	AGILENT	2021/7/29	2022/7/28
ETSTW-RE 003	EMI TEST RECEIVER	ESI 26	831438/001	R&S	2021/6/17	2022/6/16
ETSTW-RE 004	EMI TEST RECEIVER	ESI 40	832427/004	R&S	2021/9/28	2022/9/27
ETSTW-RE 010	ABSORBING CLAMP	MDS 21	03469	Schwarzbeck	2021/11/11	2022/11/10
ETSTW-RE 012	TUNABLE BANDREJECT FILTER	D.C 0309	146	K&L	Function Test	
ETSTW-RE 013	TUNABLE BANDREJECT FILTER	D.C 0336	397	K&L	Function Test	
ETSTW-RE 019	MICROWAVE HORN ANTENNA	22240-25	121074	FM	2021/5/31	2022/5/30
ETSTW-RE 027	Passive Loop Antenna	6512	00034563	ETS-Lindgren	2021/6/16	2022/6/15
ETSTW-RE 030	Double-Ridged Guide Horn Antenna	3117	00035224	ETS-Lindgren	2022/5/4	2023/5/3
ETSTW-RE 032	Millivoltmeter	URV 55	849086/013	R&S	2021/10/6	2022/10/5
ETSTW-RE 033	WaveRunner 6000A Serise Oscilloscope	WAVERUNNER 6100A	LCRY0604P14508	LeCroy	2021/8/4	2022/8/3
ETSTW-RE 034	Power Sensor	URV5-Z4	839313/006	R&S	2021/9/21	2022/9/20
ETSTW-RE 042	Biconical Antenna	HK116	100172	R&S	2022/3/4	2023/3/3
ETSTW-RE 043	Log-Periodic Dipole Antenna	HL223	100166	R&S	2021/5/21	2022/5/20
ETSTW-RE 044	Log-Periodic Antenna	HL050	100094	R&S	2021/7/14	2022/7/13
ETSTW-RE 045	ESA-E SERIES SPECTRUM ANALYZER	E4404B	MY45111242	Agilent	Pre-test Use	
ETSTW-RE 048	Triple Loop Antenna	HXYZ 9170	HXYZ 9170-134	Schwarzbeck	2022/1/25	2023/1/24



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ETSTW-RE 050	Attenuator 10dB	50HF-010-1	None	JFW	2022/2/18	2023/2/17
ETSTW-RE 051	Attenuator 6dB	50HF-006-1	None	JFW	2022/2/18	2023/2/17
ETSTW-RE 053	Attenuator 3dB	50HF-003-1	None	JFW	2022/2/18	2023/2/17
ETSTW-RE 055	SPECTRUM ANALYZER	FSU 26	200074	R&S	2022/3/28	2023/3/27
ETSTW-RE 060	Attenuator 30dB	5015-30	F651012z-01	ATM	2022/2/18	2023/2/17
ETSTW-RE 061	Amplifier Module	CHC 1	None	ETS	2022/5/4	2023/5/3
ETSTW-RE 062	Amplifier Module	CHC 2	None	KMIC	2022/5/4	2023/5/3
ETSTW-RE 064	Bluetooth Test Set	MT8852B-042	6K00005709	Anritsu	Function Test	
ETSTW-RE 065	Amplifier	AMF-6F-18002650-25-10P	941608	MITEQ	2022/3/23	2023/3/22
ETSTW-RE 069	Double-Ridged Guide Horn Antenna	3117	00069377	ETS-Lindgren	Function Test	
ETSTW-RE 072	CELL SITE TEST SET	8921A	3339A00375	HP	2021/10/27	2022/10/26
ETSTW-RE 073	Power Meter	N1911A	MY45100769	Agilent	2022/2/24	2023/2/23
ETSTW-RE 074	Power Sensor	N1921A	MY45241198	Agilent	2022/2/24	2023/2/23
ETSTW-RE 091	Match Pad	MDCS1500	None	WOKEN	2021/5/27	2022/5/26
ETSTW-RE 099	DC Block	50DB-007-1	None	JFW	2022/2/18	2023/2/17
ETSTW-RE 112	AC POWER SOURCE	TFC-1005	T-0A023536	T-Power	Function test	
ETSTW-RE 105	2.4GHz Notch Filter	N0124411	39555	MICROWAVE CIRCUITS	2022/1/5	2023/1/4
ETSTW-RE 120	RF Player	MP9200	MP9210-111022	ADIVIC	2021/10/29	2022/10/28
ETSTW-RE 122	SIGNAL GENERATOR	SMF100A	102149	R&S	2021/6/8	2022/6/7
ETSTW-RE 125	5GHz Notch filter	5NSL11-5200/E221.3-O/O	1	K&L Microwave	2021/8/6	2022/8/5
ETSTW-RE 126	5GHz Notch filter	5NSL12-5800/E221.3-O/O	1	K&L Microwave	2021/8/6	2022/8/5
ETSTW-RE 127	RF Switch Box	RFS-01	None	WTS	2022/2/18	2023/2/17
ETSTW-RE 128	5.3GHz Notch filter	N0153001	SN487233	Microwave Circuits	2021/8/6	2022/8/5
ETSTW-RE 129	5.5GHz Notch filter	N0555984	SN487234	Microwave Circuits	2021/8/6	2022/8/5
ETSTW-RE 130	Handheld RF Spectrum Analyzer	N9340A	CN0147000204	Agilent	Pre-test Use	
ETSTW-RE 133	EXA Signal Analyzer	N9010A	MY53470566	Agilent	2022/5/4	2023/5/3
ETSTW-RE 134	MXG Vector Signal Generator	N5182B	MY53050664	Agilent	2022/5/4	2023/5/3
ETSTW-RE 135	EXG Analog Signal Generator	N5171B	MY53050476	Agilent	2022/5/4	2023/5/3
ETSTW-RE 136	USB Wideband Power Sensor	U2021XA	MY54070006	Agilent	2022/5/4	2023/5/3
ETSTW-RE 137	USB Wideband Power Sensor	U2021XA	MY54020004	Agilent	2022/5/4	2023/5/3
ETSTW-RE 138	USB Wideband Power Sensor	U2021XA	MY54110003	Agilent	2022/5/4	2023/5/3
ETSTW-RE 139	USB Wideband Power Sensor	U2021XA	MY54110004	Agilent	2022/5/4	2023/5/3
ETSTW-RE 140	Simultaneous sampling DAQ	U2531A	TW56143501	Agilent	Function Test	
ETSTW-RE 142	Amplifier	8447D	2805A03378	Agilent	2022/5/4	2023/5/3
ETSTW-RE 146	Preamplifier	JPA-10M1G	15090004	JPT	2021/6/4	2022/6/3
ETSTW-RE 150	Blocking Test System	AD211	TW5451133	Keysight	Function Test	



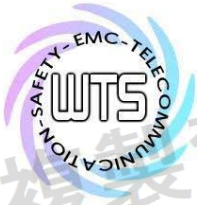
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ETSTW-RE 152	Bi-log Hybrid Antenna	MCTD 2786B	BLB20J04029	ETC	2021/10/5	2022/10/4
ETSTW-RE 153	Signal Analyzer	FSV40	101929	R&S	2021/10/6	2022/10/5
ETSTW-RE 159	Bi-log Hybrid Antenna (30M~1000 MHz)	MCTD 2786B	BLB21N04035	ETC	2021/12/06	2022/12/05
ETSTW-EMI 001	HARMONICS 1000	HAR1000-1P	093	EMC-PARTNER	2021/6/17	2022/6/16
ETSTW-EMI 010	AC Power Source	PS3	0219	EMC PARTNER	2021/6/17	2022/6/16
ETSTW-EMI 011	USB Compact Modulator	SFC-U	101689	R&S	2021/6/2	2022/6/1
ETSTW-EMS 001	BASELSTRASSE 160 CH-4242 LAUFEN	CN-EFT1000	354	EMC-PARTNER	Function Test	
ETSTW-EMS 002	Frequency Converter	YF-6020	0308014	None	Function Test	
ETSTW-EMS 009	Magnetic Field Antenna	MF1000-1	104	EMC-PARTNER	2022/1/25	2023/1/24
ETSTW-EMS 010	Coupling De-coupling Network	CDN-UTP8	014	EMC-PARTNER	2021/10/21	2022/10/20
ETSTW-EMS 012	EM Injection Clamp	F-2031-23MM	476	FCC	2021/7/14	2022/7/13
ETSTW-EMS 013	Audio Analyzer	UPA 3	843458/029	R&S	2022/2/15	2023/2/14
ETSTW-EMS 016	EMF Tester	1390	071208732	TES	2021/11/3	2022/11/2
ETSTW-EMS 017	Multimeter	DM-1220	518614	HILA	2021/9/7	2022/9/6
ETSTW-EMS 019	Electrostatic Discharge Simulator	ESS-2002	ESS06Y6300	NoiseKen	2021/9/24	2022/9/23
ETSTW-EMS 023	Electrostatic Discharge Simulator	NSG 435	6984	TESEQ	2021/6/16	2022/6/15
ETSTW-EMS 025	10/700 Surge Generator	SG-728G	EC0631106	3Ctest	2021/10/21	2022/10/20
ETSTW-EMS 026	Multifunction Generator	NSG 3040A	P1950236136	TESEQ	2022/1/14	2023/1/13
ETSTW-EMS 027	Single-phase toroidal transformer with autowinding	TVT 1-250-16	P1948235209	AMETEK	2022/1/14	2023/1/13
ETSTW-EMS 028	1/2" Free-field Microphone	4192	3204706	B&K	2022/2/14	2023/2/13
ETSTW-EMS 029	1/2" Free-field Microphone	4191	3024723	B&K	2022/2/14	2023/2/13
ETSTW-EMS 030	Two channel microphone conditioning amplifier	2690	3256070	B&K	2022/3/1	2023/2/28
ETSTW-EMS 031	Sound calibrator	4231	3024803	B&K	2022/2/21	2023/2/20
ETSTW-RS 007	14" COLOR VIDEO MONITOR	HS-CM145A	0512011548	None	Function Test	
ETSTW-RS 009	SIGNAL GENERATOR	8648C	3642U01656	HP	2022/2/24	2023/2/23
ETSTW-RS 010	Broadband Field Meter	NBM-520	C-0195	Narda	2022/3/31	2023/3/30
ETSTW-RS 011	RF Power Amplifier	150W1000	0464490	AR	Function Test	
ETSTW-RS 012	Log-Periodic Antenna	ATL80M1G	0348244	AR	Function Test	
ETSTW-RS 013	Stacked Log Periodic Antenna	STLP9149	473	RS	Function Test	
ETSTW-RS 014	Power Amplifier	AS0860B	1078553	MILMEGA	Function Test	
ETSTW-RS 015	SIGNAL GENERATOR	ITS6006B	37669	TESEQ	2022/4/6	2023/4/5
ETSTW-RS 016	Power sensor	PMR6006	75617	TESEQ	2022/4/6	2023/4/5
ETSTW-RS 017	Power sensor	PMR6006	75618	TESEQ	2022/4/6	2023/4/5
ETSTW-RS 018	Directional coupler	C5982-10	111833	WERLATONE	Function Test	
ETSTW-GSM 002	Universal Radio Communication Tester	CMU 200	109439	R&S	2022/3/28	2023/3/27



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ETSTW-GSM 003	Radio Communication Analyzer	MT8820C	6201342073	Anritsu	2022/4/19	2023/4/18
ETSTW-GSM 004	Wideband Radio Communication Tester	CMW500	128092	R&S	2021/10/29	2022/10/28
ETSTW-GSM 019	Band Reject Filter	WRCTF824/849-822/851-40/12+9SS	3	WI	2022/1/5	2023/1/4
ETSTW-GSM 020	Band Reject Filter	WRCD1747/1748-1743/1752-32/5SS	1	WI	2022/1/5	2023/1/4
ETSTW-GSM 021	Band Reject Filter	WRCD1879.5/1880.5-1875.5/1884.5-32/5SS	3	WI	2022/1/5	2023/1/4
ETSTW-GSM 022	Band Reject Filter	WRCT901.9/903.1-904.25-50/8SS	1	WI	2022/1/5	2023/1/4
ETSTW-GSM 023	Power Divider	4901.19.A	None	SUHNER	2021/9/7	2022/9/6
ETSTW-GSM 024	Radio Communication Analyzer	MT8821C	None	Anritsu	2022/5/3	2023/5/2
ETSTW-Cable 002	Microwave Cable	SUCOFLEX 104 (S Cable 7)	238093	HUBER+SUHNER	2022/5/4	2023/5/3
ETSTW-Cable 003	Microwave Cable	SUCOFLEX 104 (S Cable 11)	209953	HUBER+SUHNER	2022/5/4	2023/5/3
ETSTW-Cable 016	BNC Cable	Switch Box	B Cable 1	Schwarz beck	2022/2/18	2023/2/17
ETSTW-Cable 017	BNC Cable	X Cable	B Cable 2	Schwarz beck	2022/2/18	2023/2/17
ETSTW-Cable 018	BNC Cable	Y Cable	B Cable 3	Schwarz beck	2022/2/18	2023/2/17
ETSTW-Cable 019	BNC Cable	Z Cable	B Cable 4	Schwarz beck	2022/2/18	2023/2/17
ETSTW-Cable 020	N TYPE Cable	OATS Cable 1	N30N30-L335-15M	JYE BAO CO.,LTD.	2021/7/1	2022/6/30
ETSTW-Cable 023	BNC Cable	BNC Cable 3	None	JYE BAO CO.,LTD.	Function Test	
ETSTW-Cable 024	BNC Cable	BNC Cable 4	None	JYE BAO CO.,LTD.	Function Test	
ETSTW-Cable 025	BNC Cable	BNC Cable 5	None	JYE BAO CO.,LTD.	Function Test	
ETSTW-Cable 027	Microwave Cable	SUCOFLEX 104	279083	HUBER+SUHNER	2022/5/4	2023/5/3
ETSTW-Cable 030	Microwave Cable	SUCOFLEX 104 (S Cable 9)	279067	HUBER+SUHNER	2022/02/18	2023/2/17
ETSTW-Cable 039	Microwave Cable	SUCOFLEX 104	316739	HUBER+SUHNER	2022/5/4	2023/5/3
ETSTW-Cable 042	Microwave Cable	SUCOFLEX 104 (S Cable 22)	279847	HUBER+SUHNER	Function Test	
ETSTW-Cable 047	Microwave Cable	SUCOFLEX 104	325518	HUBER+SUHNER	2021/7/2	2022/7/1
ETSTW-Cable 043	Microwave Cable	SUCOFLEX 104	317576	HUBER+SUHNER	2021/5/14	2022/5/13
ETSTW-Cable 051	BNC Cable	BNC Cable 6	None	JYE BAO	2022/3/4	2023/3/3
ETSTW-Cable 052	BNC Cable	Clamp Cable	None	Schwarz beck	2022/3/4	2023/3/3
ETSTW-Cable 058	Microwave Cable	SUCOFLEX 104	none	HUBER+SUHNER	2021/6/4	2022/6/3
ETSTW-Cable 071	N TYPE CABLE	EMCCFD400-NM-NM-25000	170239	EMCI	2021/6/4	2022/6/3
ETSTW-Cable 072	SMA type cable (8m)	SUCOFLEX 104	805800/4	HUBER+SUHNER	2022/5/4	2023/5/3
ETSTW-Cable 074	SMA type cable (2m)	SUCOFLEX 104	802563/4	HUBER+SUHNER	2022/5/4	2023/5/3
WTSTW-SW 001	EMI TEST SOFTWARE	Harmonics-1000	None	EMC PARTNER	HARCS Version 4.20 Firmware Version 2.20	
WTSTW-SW 002	EMI TEST SOFTWARE	EZ EMC	None	Farad	Version ETS-03A1 Version EMEC-3A1+	
WTSTW-SW 003	EMS TEST SOFTWARE	i2	None	AUDIX	Version 3.2007-8-17b	
WTSTW-SW 005	GSM Fading Level Correction	GSMFadLevCor	None	R&S	Version 1.66	



Worldwide Testing Services(Taiwan) Co., Ltd.

WTSTW-SW 006	EMI TEST SOFTWARE	e3	None	AUDIX	Version 9.161014	
WTSTW-SW 007	Keysight.EN300328.V191.Test	Keysight	None	Keysight	Version 1.0.0.0	
WTSTW-SW 008	Signal studio	Agilent	None	AUDIX	Version 2.0.0.1	
ETSTW-TH 001	Thermohygrometer	608-H1	45204316	Testo	2021/10/18	2022/10/17
ETSTW-TH 002	Thermohygrometer	608-H1	45204317	Testo	2021/10/18	2022/10/17
ETSTW-TH 003	Wireless weather station	GAIA	N/A	TFA	2021/10/18	2022/10/17

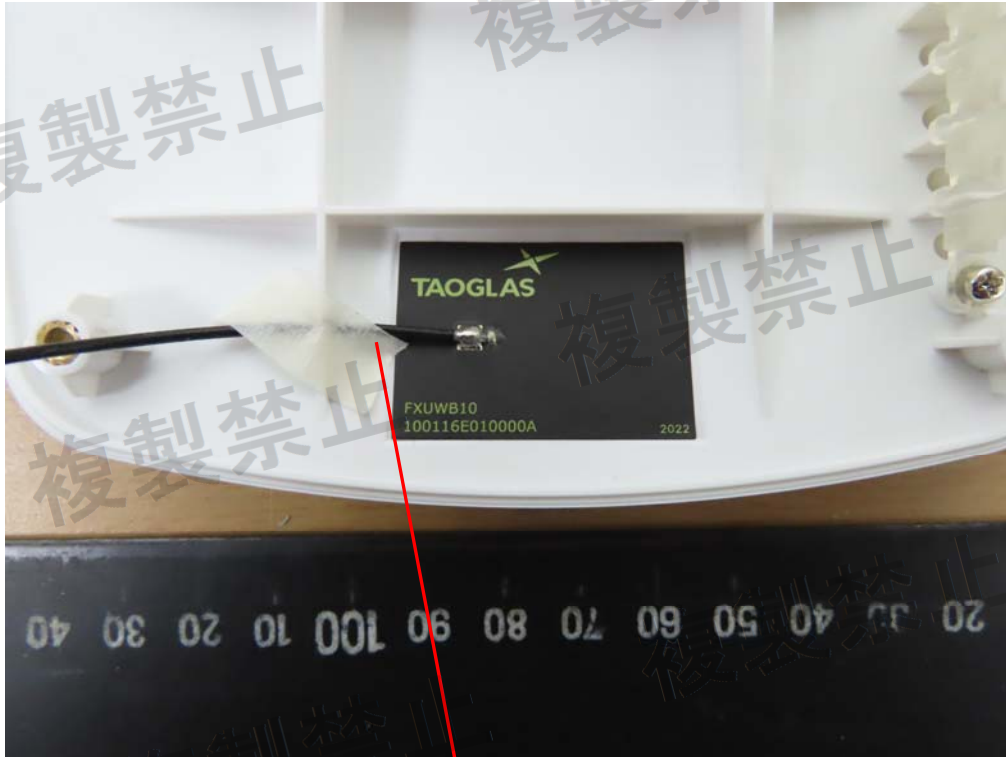


3 Test results (enclosure)

☒ 1st test ☐ test after modification ☐ production test

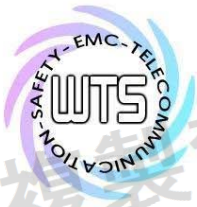
Test case	Required	Status
Frequency Tolerance	☒	C
Occupied Bandwidth	☒	C
Unwanted Emission	☒	C
E.I.R.P. (Power)	☒	C
Spreading Bandwidth	☒	C
Secondary Radiated Emission Strength	☒	C
Condition for Frequency Stabilization	☒	C
Note 1: C = Conform NC = Not Conform NT = Not Tested NA = Not Applicable		

3.1 Antenna specifications



Antenna Type: PIFA antenna

Antenna gain: 4.5 dBi



Worldwide Testing Services(Taiwan) Co., Ltd.

3.2 Frequency Tolerance

Test date: May 11, 2022

Temperature: 23.4 °C

Humidity: 56.0 %

Tester: Spencer

Tolerance from nominal frequency:

Voltage	Test Frequency	Frequency Low	Frequency High	Result
100V a.c.	7.9872	7.645052564	8.239603846	PASS

Limits:

Within the designated frequency band (Designated Frequency band : 7.25~9 GHz)

Test equipment used: ETSTW-RE 055



Worldwide Testing Services(Taiwan) Co., Ltd.

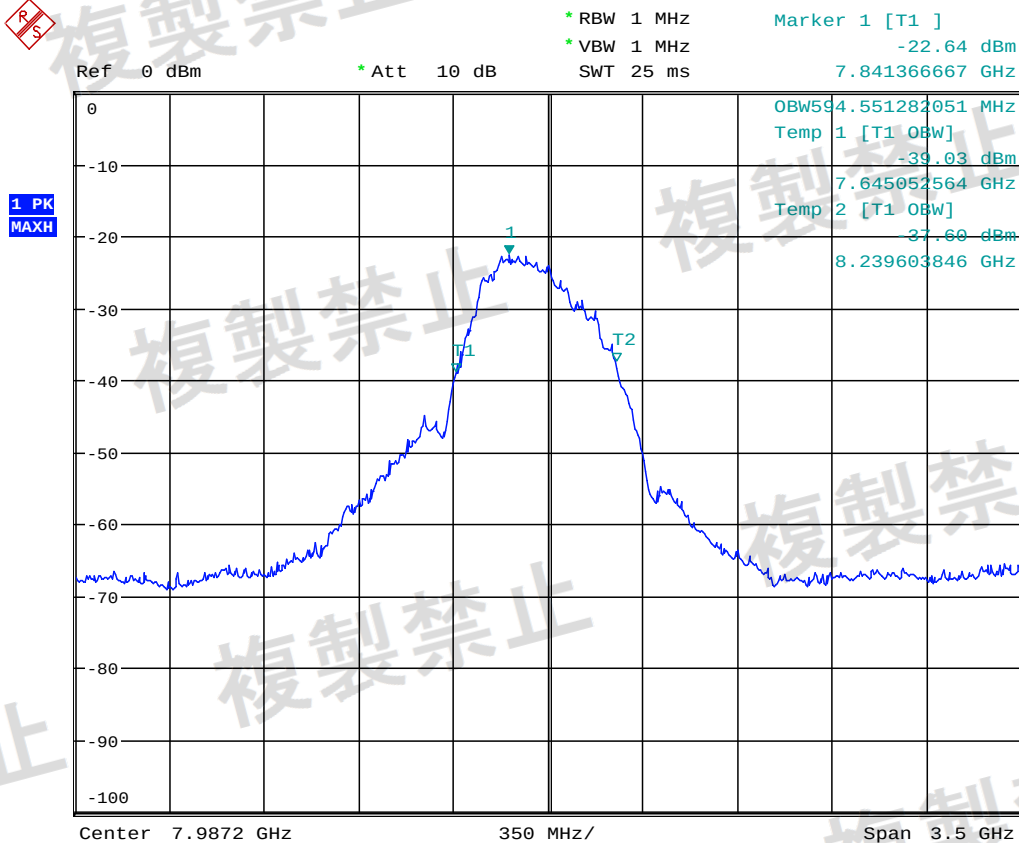
3.3 Occupied Bandwidth (99% channel power bandwidth)

Test date: May 11, 2022

Temperature: 23.4 °C

Humidity: 56.0 %

Tester: Spencer



OCCUPIED BANDWIDTH UWB 7.9872GHZ

Date: 11.MAY.2022 17:05:23

Limits:

Under all test conditions	Occupied bandwidth: $\leq 1.75\text{GHz}$
---------------------------	---

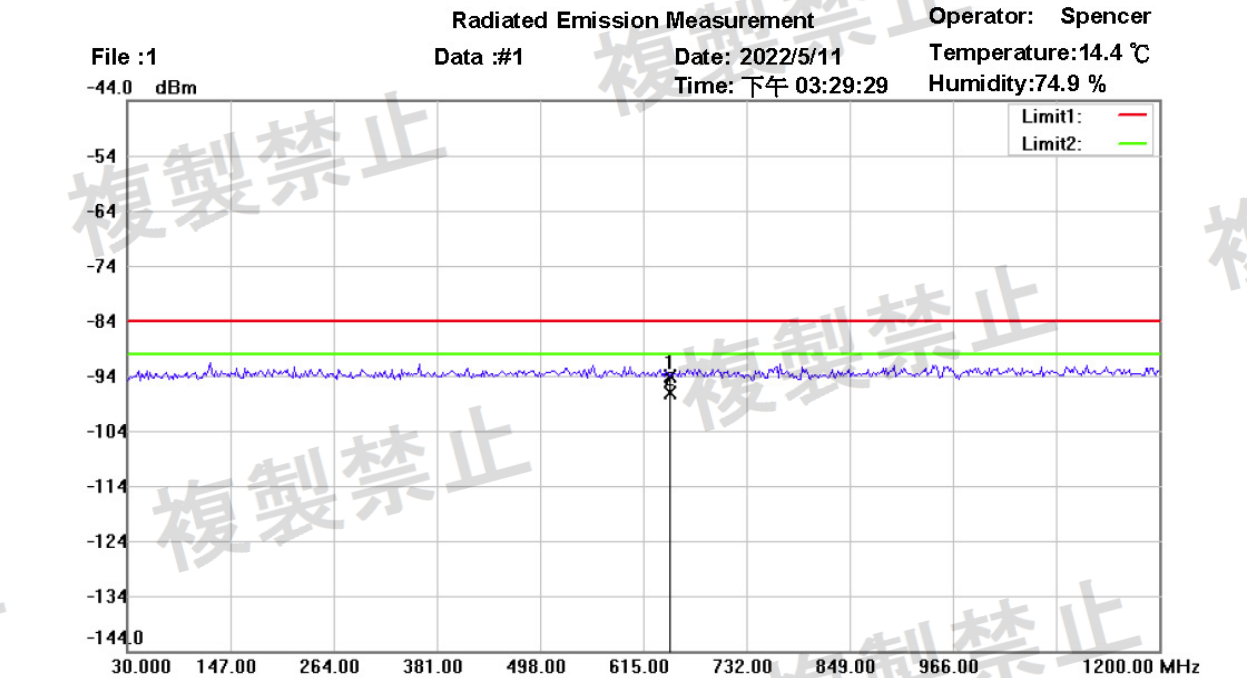
Test equipment used: ETSTW-RE 055

Explanation: ./.



Worldwide Testing Services(Taiwan) Co., Ltd.

3.4 Unwanted Emission Strength



Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	645.0000	-91.06	peak	-3.00	-94.06	-84.00			-10.06	
*	645.0000	-94.09	AVG	-3.00	-97.09	-90.00			-7.09	

Result	Power + Antenna gain
-94.06 dBm	-89.56 dBm
-97.09 dBm	-92.59 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#2

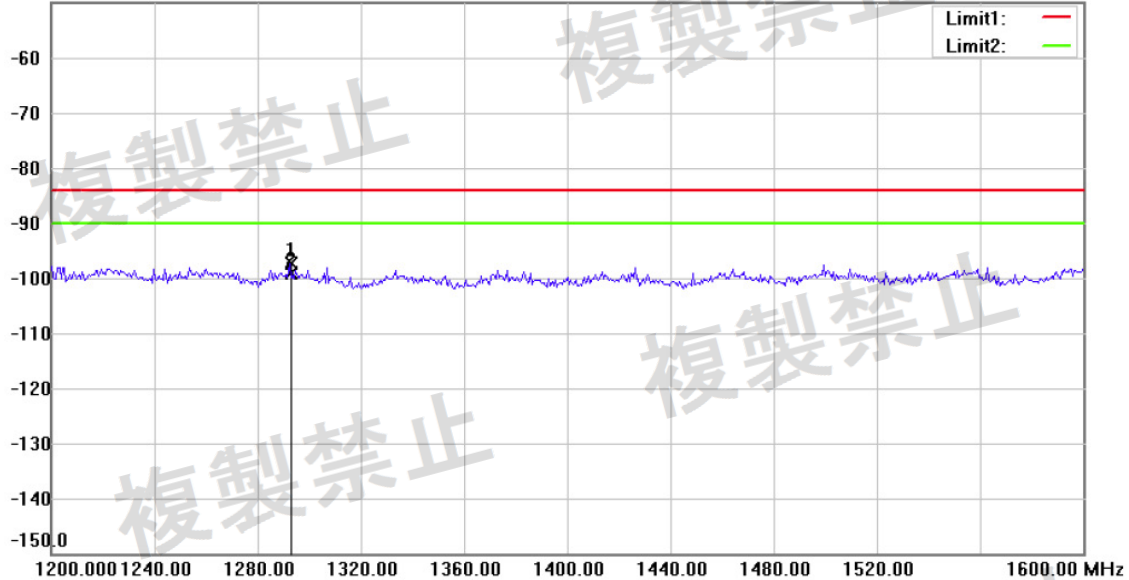
Date: 2022/5/11

Temperature:14.4 °C

-50.0 dBm

Time: 上午 11:50:07

Humidity:74.9 %



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

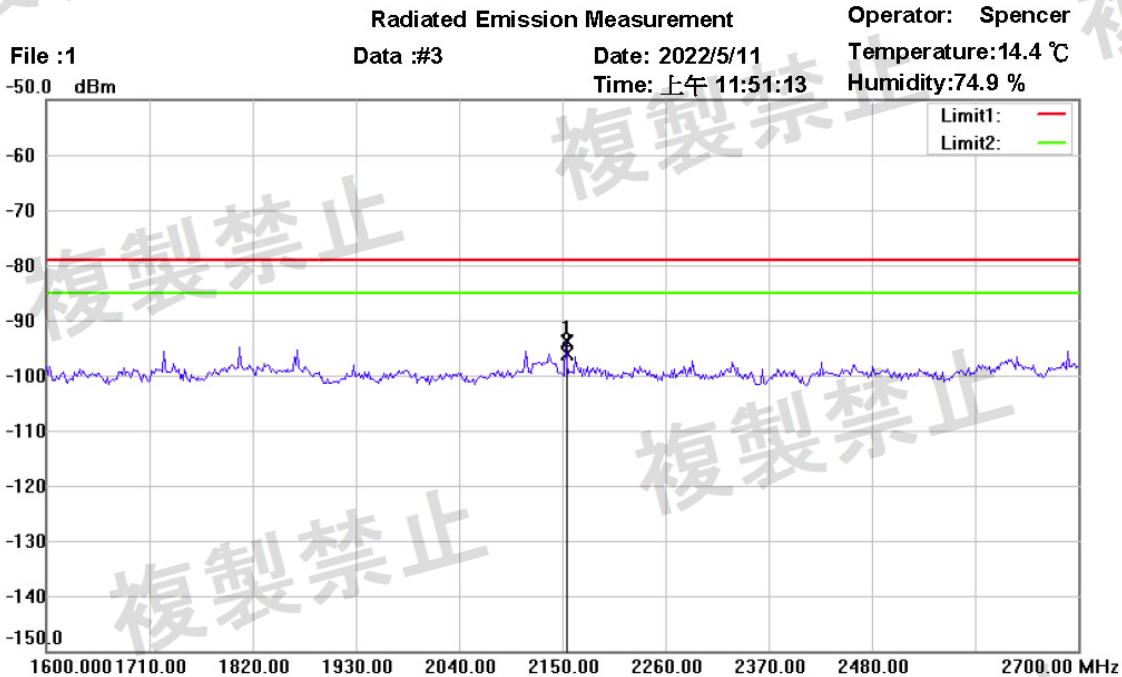
Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1292.308	-63.62	peak	-33.83	-97.45	-84.00			-13.45	
*	1292.308	-65.24	AVG	-33.83	-99.07	-90.00			-9.07	

Result	Power + Antenna gain
-97.45 dBm	-92.95 dBm
-99.07 dBm	-94.57 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

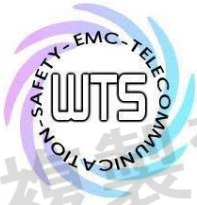
Polarization:

Power : 100V A.C.

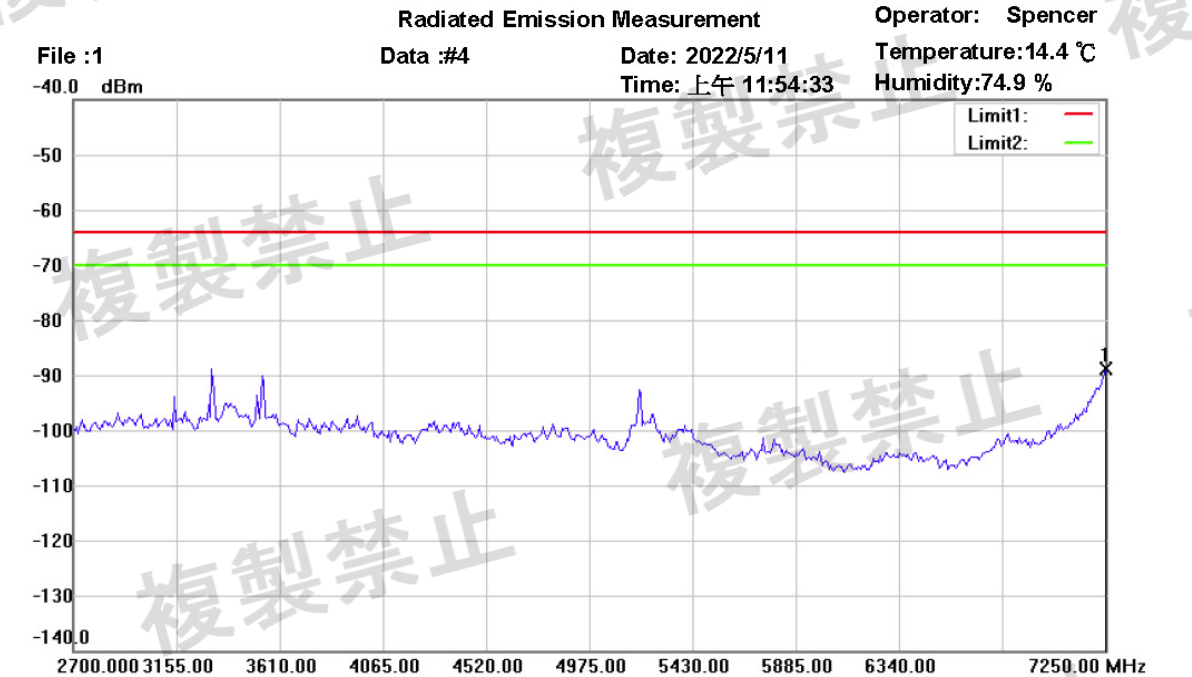
Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2153.526	-60.92	peak	-32.86	-93.78	-79.00			-14.78	
*	2153.526	-63.27	AVG	-32.86	-96.13	-85.00			-11.13	

Result	Power + Antenna gain
-93.78 dBm	-89.28 dBm
-96.13 dBm	-91.63 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

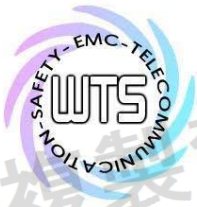
Polarization:

Power : 100V A.C.

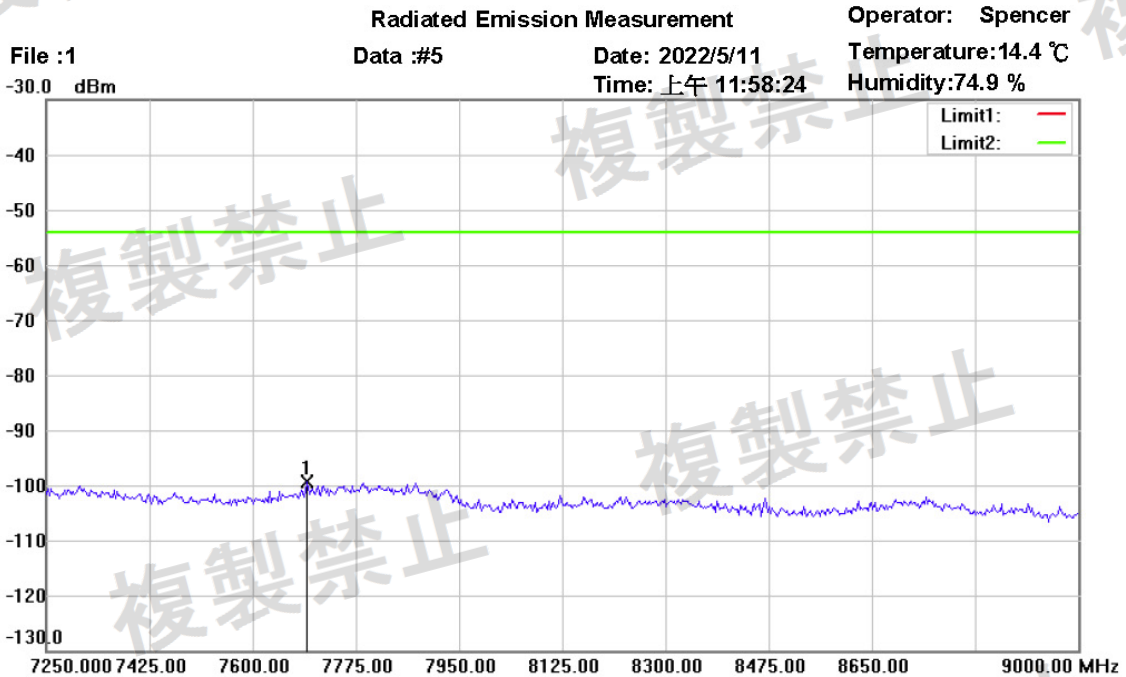
Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	7250.000	-56.01	peak	-32.96	-88.97	-64.00			-24.97	

Result	Power + Antenna gain
-88.97 dBm	-84.47 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	7693.109	-66.65	peak	-32.70	-99.35	-54.00			-45.35	

Result	Power + Antenna gain
-99.35 dBm	-94.85 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#6

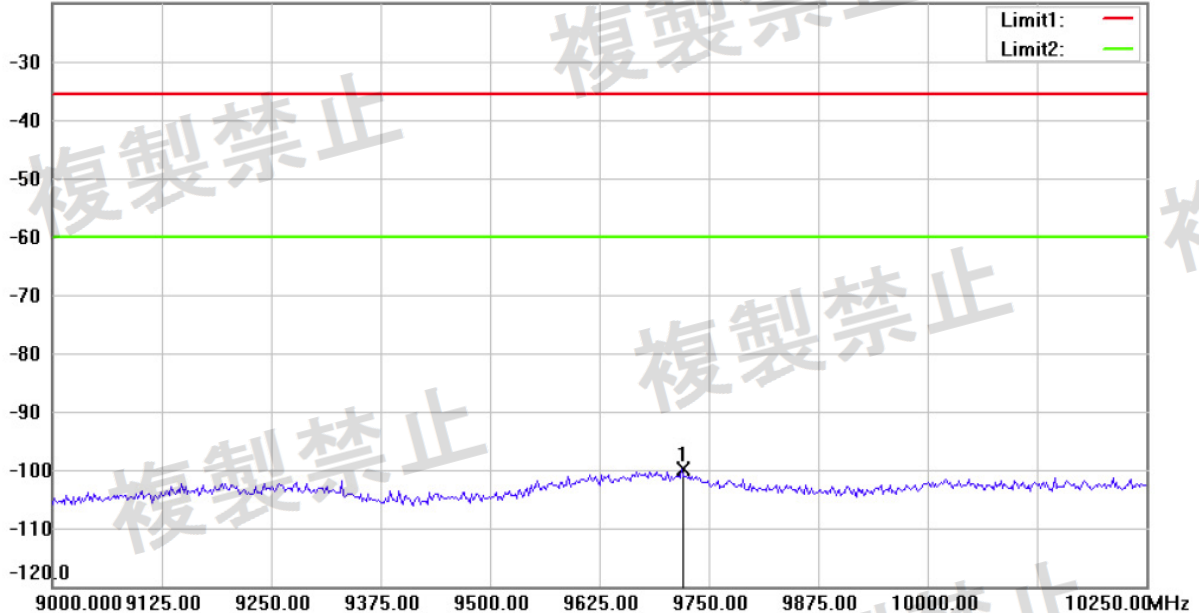
Date: 2022/5/11

Temperature:14.4 °C

-20.0 dBm

Time: 上午 11:58:57

Humidity:74.9 %



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	9719.151	-67.08	peak	-32.80	-99.88	-35.70			-64.18	

Result	Power + Antenna gain
-99.88 dBm	-95.38 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#7

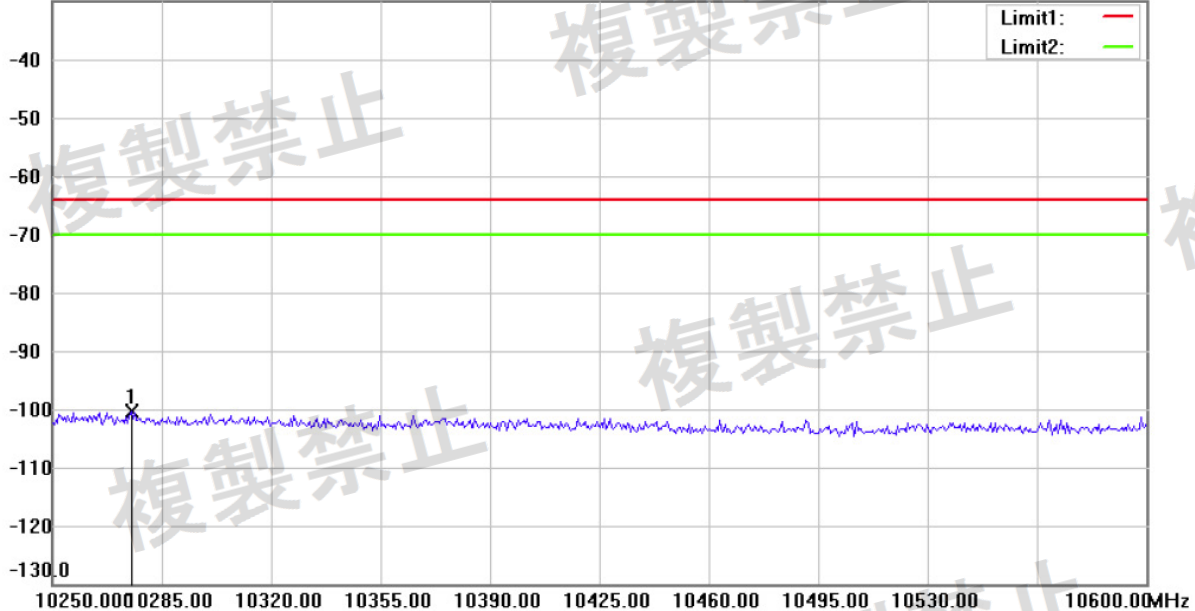
Date: 2022/5/11

Temperature:14.4 °C

Time: 下午 01:27:33

Humidity:74.9 %

-30.0 dBm



Site : Chamber

Condition : TELEC - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	10275.240	-66.49	peak	-33.93	-100.42	-64.00			-36.42	

Result	Power + Antenna gain
-100.42 dBm	-95.92 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#8

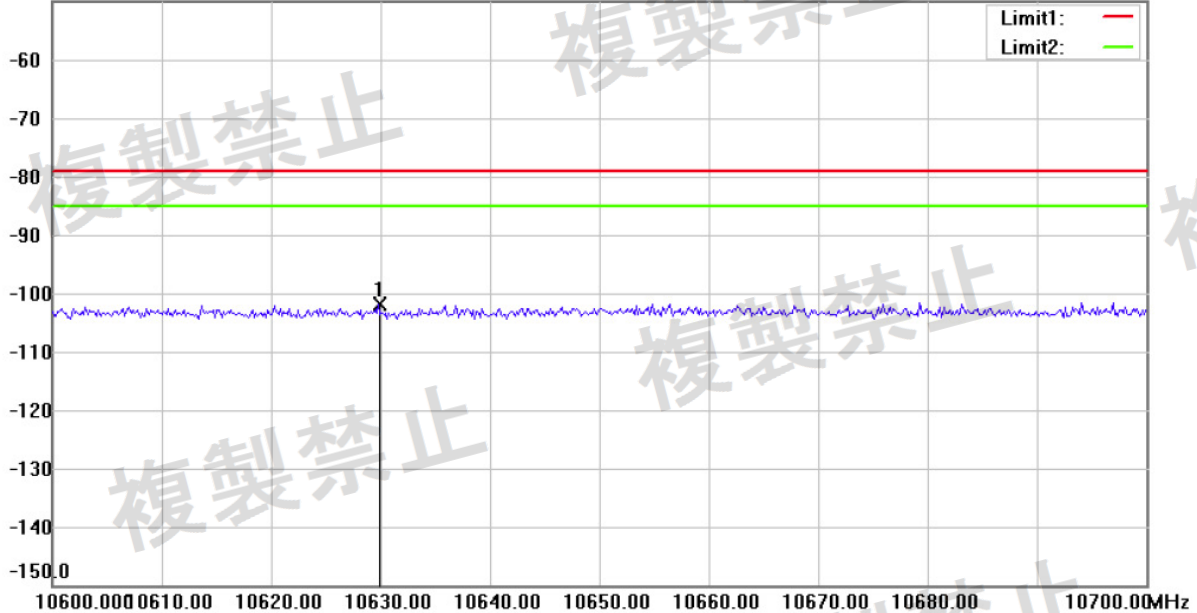
Date: 2022/5/11

Temperature:14.4 °C

Time: 下午 01:29:18

Humidity:74.9 %

-50.0 dBm



Site : Chamber

Condition : TELEC - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	10629.808	-67.58	peak	-34.37	-101.95	-79.00			-22.95	

Result	Power + Antenna gain
-101.95 dBm	-97.45 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#9

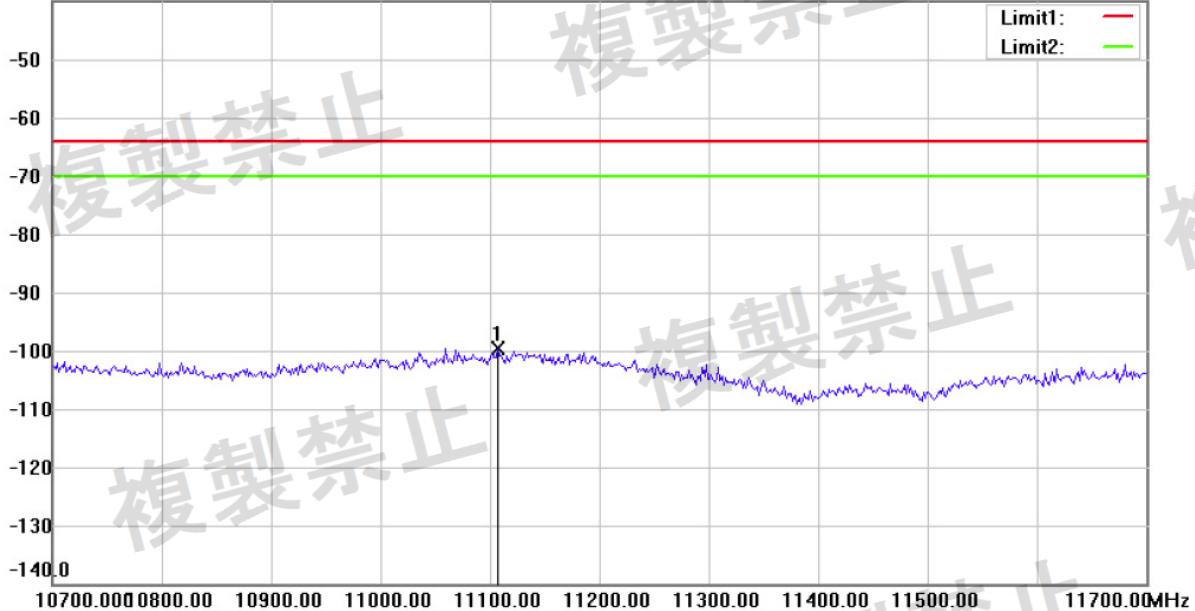
Date: 2022/5/11

Temperature:14.4 °C

Time: 下午 01:30:02

Humidity:74.9 %

-40.0 dBm



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	11107.051	-64.47	peak	-35.05	-99.52	-64.00			-35.52	

Result	Power + Antenna gain
-99.52 dBm	-95.02 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#10

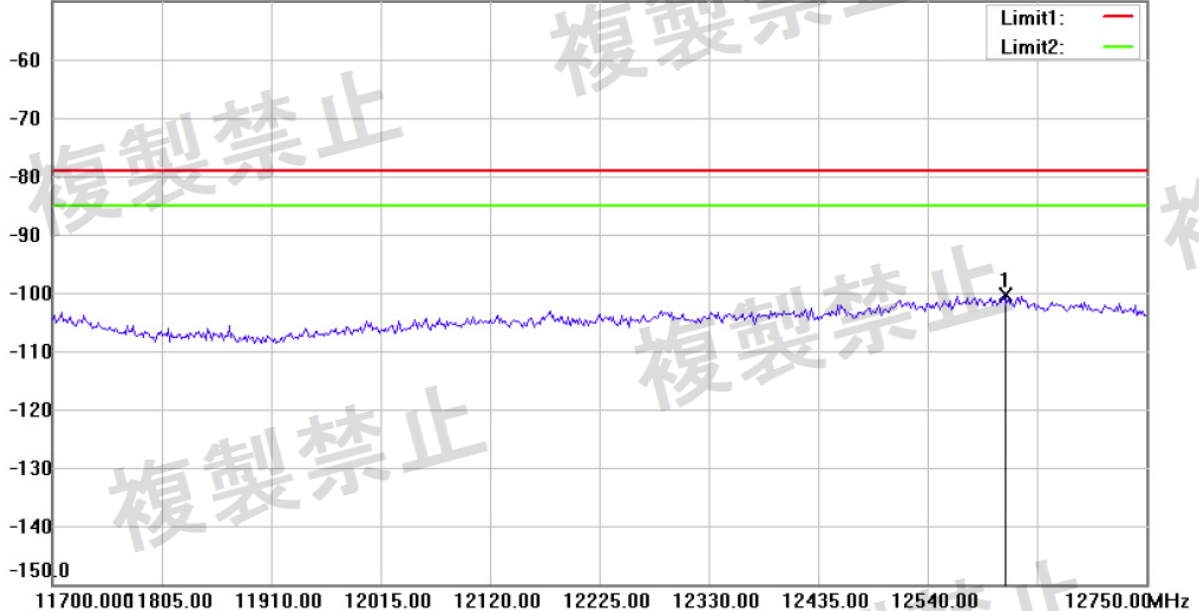
Date: 2022/5/11

Temperature:14.4 °C

Time: 下午 01:30:46

Humidity:74.9 %

-50.0 dBm



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	12613.702	-66.81	peak	-33.67	-100.48	-79.00			-21.48	

Result	Power + Antenna gain
-100.48 dBm	-95.98 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#11

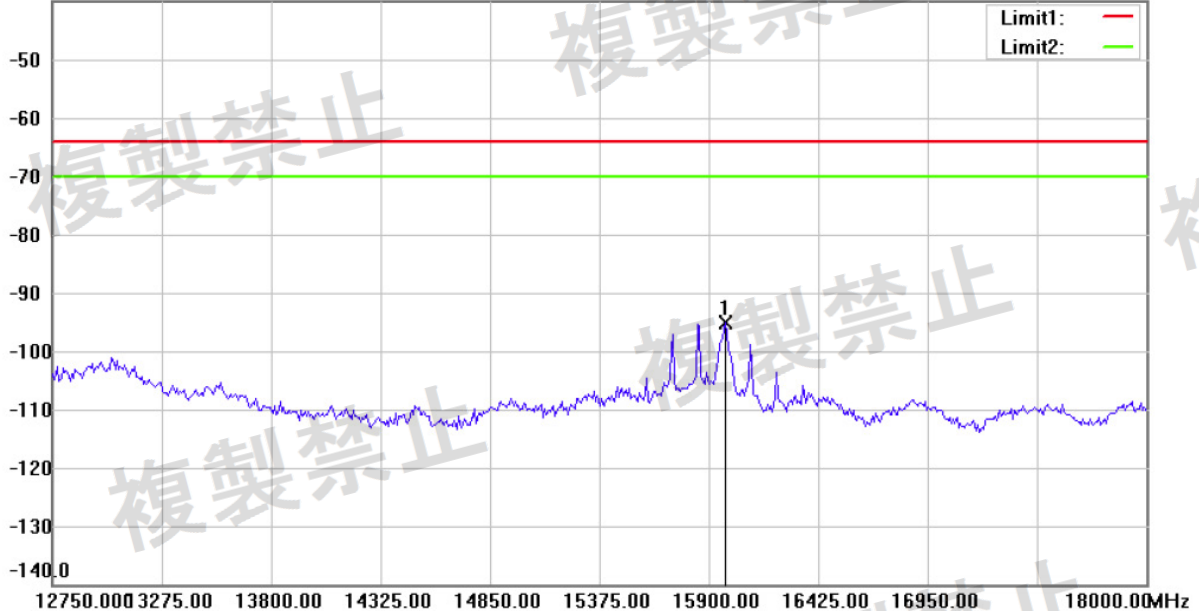
Date: 2022/5/11

Temperature:14.4 °C

Time: 下午 01:32:24

Humidity:74.9 %

-40.0 dBm



Site : Chamber

Condition : TELEC - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15980.769	-56.55	peak	-38.49	-95.04	-64.00			-31.04	

Result	Power + Antenna gain
-95.04 dBm	-90.54 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#12

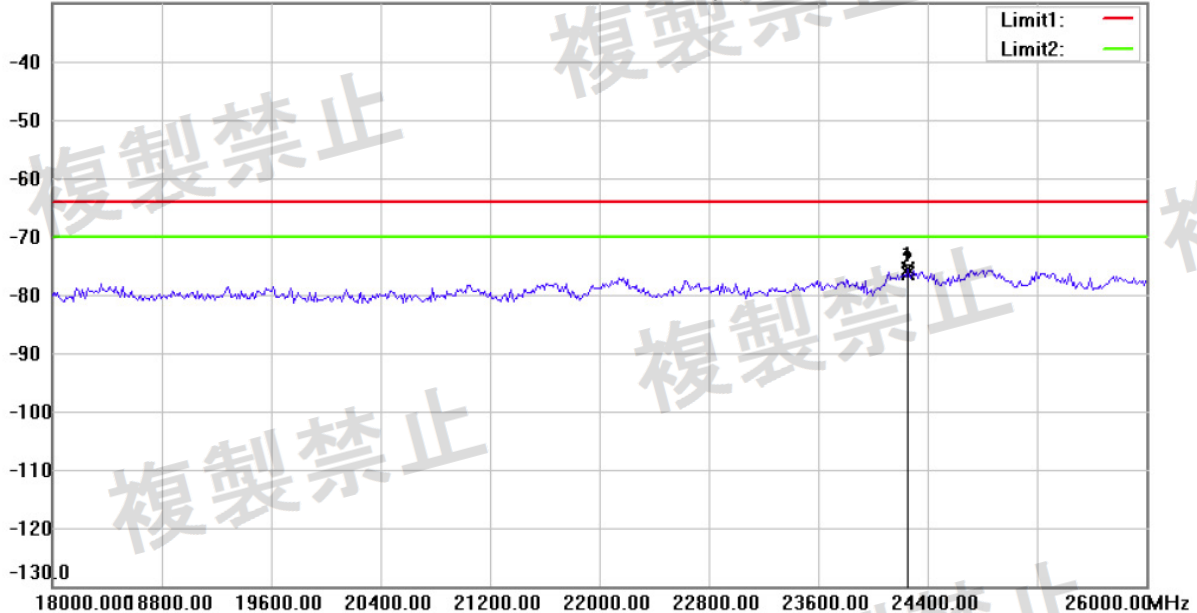
Date: 2022/5/11

Temperature:14.4 °C

-30.0 dBm

Time: 下午 03:59:21

Humidity:74.9 %



Site : Chamber

Condition : TELEC - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	24256.410	-72.74	peak	-3.00	-75.74	-64.00			-11.74	
*	24256.410	-73.37	AVG	-3.00	-76.37	-70.00			-6.37	

Result	Power + Antenna gain
-75.74 dBm	-71.24 dBm
-76.37 dBm	-71.87 dBm

Limits: See Appendix 1



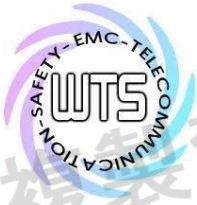
Worldwide Testing Services(Taiwan) Co., Ltd.

Appendix 1 (Unwanted Emission Strength) *E.I.R.P.

Span	Average	Peak
30MHz - 1600MHz	-90dBm/MHz	-84dBm/MHz
1600MHz - 2700MHz	-85dBm/MHz	-79dBm/MHz
2700MHz - 7.25GHz	-70dBm/MHz	-64dBm/MHz
9GHz - 10.25GHz	-60dBm/MHz	-35.7dBm/MHz
10.25GHz - 10.6GHz	-70dBm/MHz	-64dBm/MHz
10.6GHz - 10.7GHz	-85dBm/MHz	-79dBm/MHz
10.7GHz - 11.7GHz	-70dBm/MHz	-64dBm/MHz
11.7GHz - 12.75GHz	-85dBm/MHz	-79dBm/MHz
12.75GHz - 26GHz	-70dBm/MHz	-64dBm/MHz

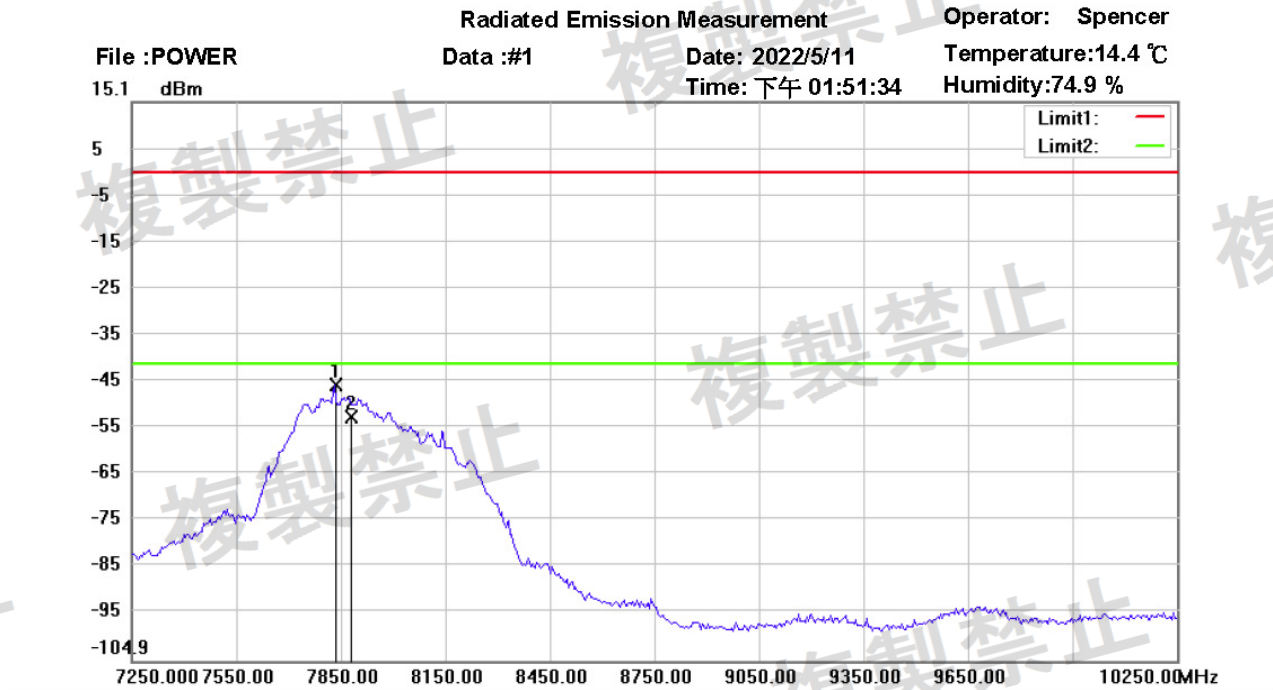
Test equipment used: ETSTW-RE 055

Explanation: ./.



Worldwide Testing Services(Taiwan) Co., Ltd.

3.5 E.I.R.P.



Site : Chamber

Condition : TELECOM - UWB (UP) (Power)(Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz Power

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

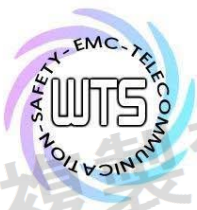
Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	7831.731	-13.56	peak	-32.21	-45.77	0.00			-45.77	
*	7879.187	-20.07	AVG	-32.51	-52.58	-41.30			-11.28	

	Power (dBm)	Correction factor (dB)	Ant. Gain (dBi)	Result (dBm/50MHz)
PEAK	-45.77	12.22	4.5	-29.05

Tolerance based on rated output power 0.001 mW	
0.0012 mW	20.00 %

Limits: 0dBm/50MHz (Peak)

Test equipment used: ETSTW-RE 055



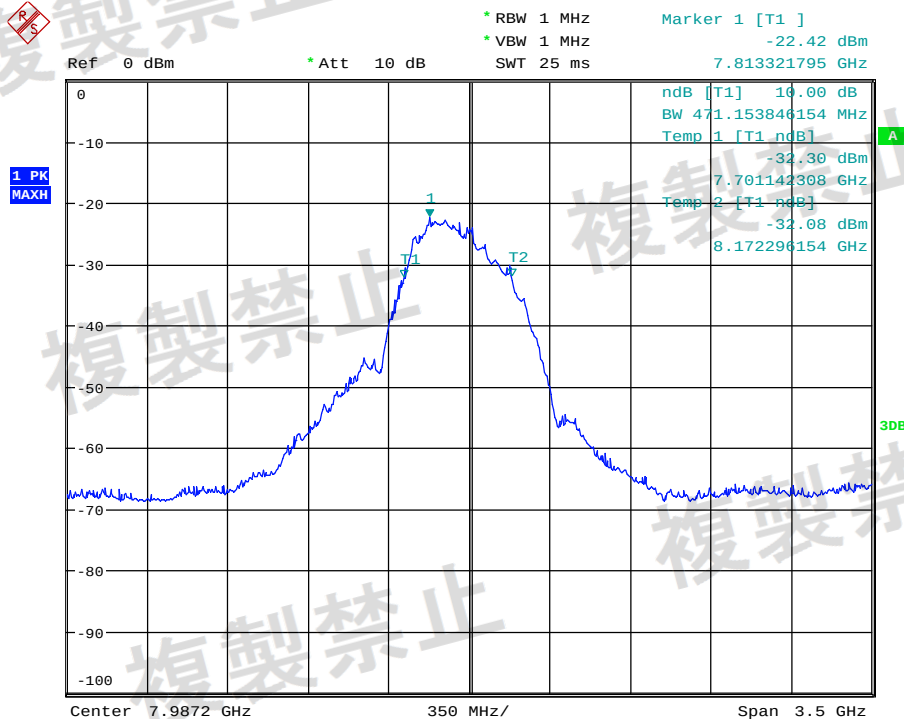
3.6 Spreading Bandwidth

Test date: May 11, 2022

Temperature: 23.4 °C

Humidity: 56.0 %

Tester: Spencer



SPREADING BANDWIDTH UWB 7.9872GHZ

Date: 11.MAY.2022 17:07:36

Limits:

Under all test conditions	450MHz or more (Bandwidth between the upper and lower frequencies for 10 dB down)
---------------------------	--

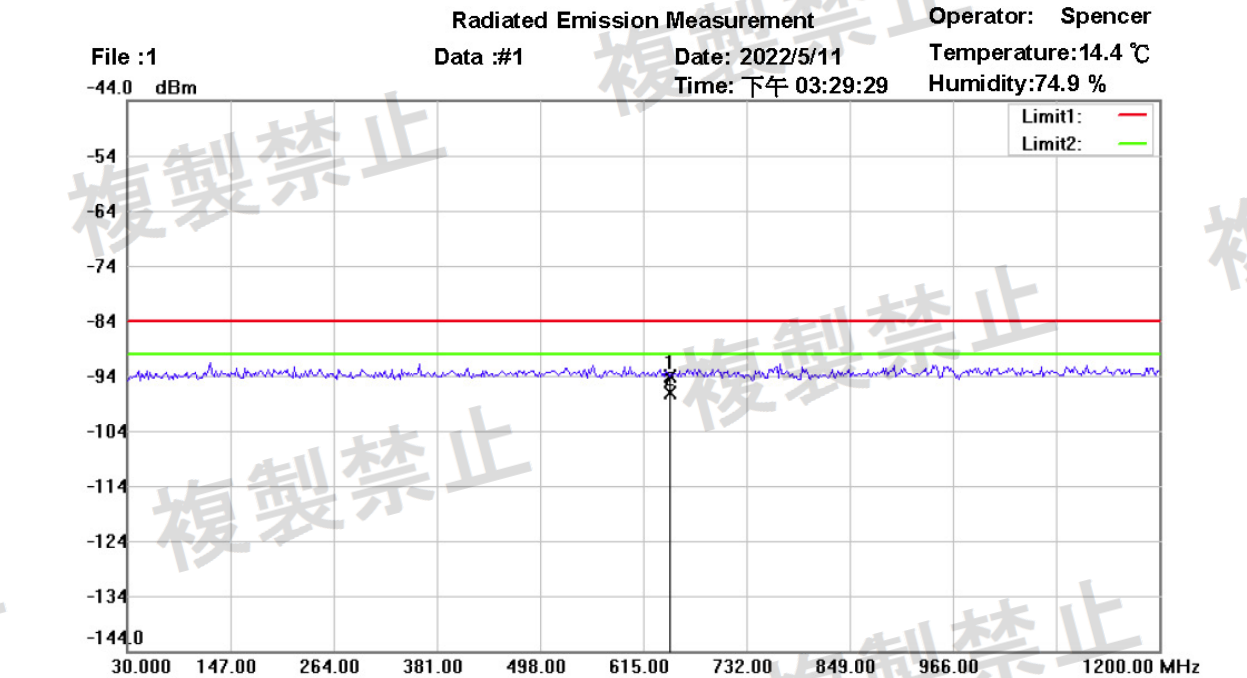
Test equipment used: ETSTW-RE 055

Explanation: ./.



Worldwide Testing Services(Taiwan) Co., Ltd.

3.7 Secondary Radiated Emission Strength



Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	645.0000	-91.06	peak	-3.00	-94.06	-84.00			-10.06	
*	645.0000	-94.09	AVG	-3.00	-97.09	-90.00			-7.09	

Result	Power + Antenna gain
-94.06 dBm	-89.56 dBm
-97.09 dBm	-92.59 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#2

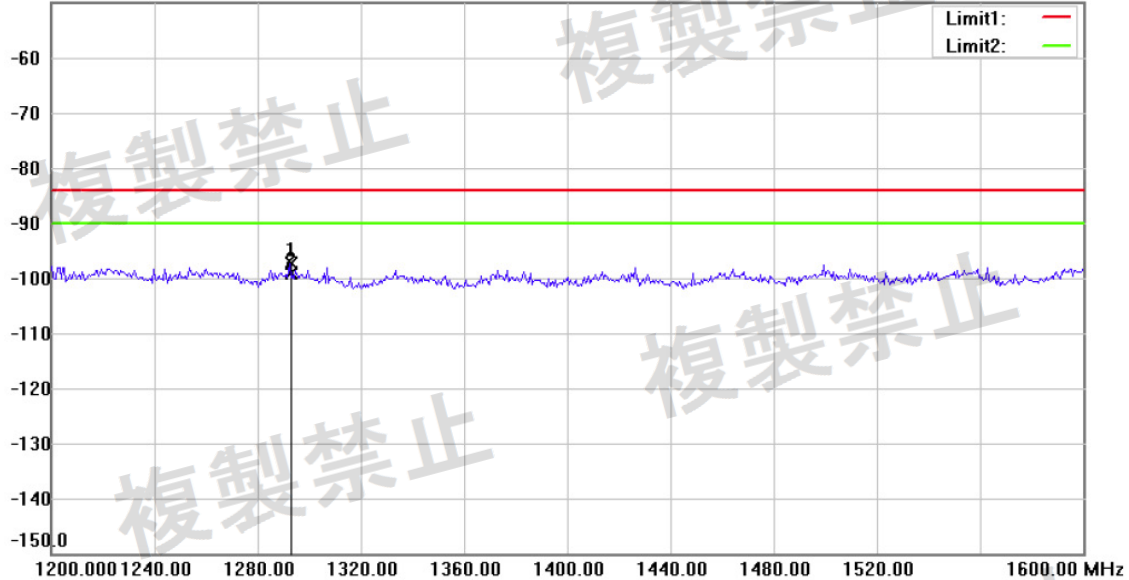
Date: 2022/5/11

Temperature:14.4 °C

-50.0 dBm

Time: 上午 11:50:07

Humidity:74.9 %



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

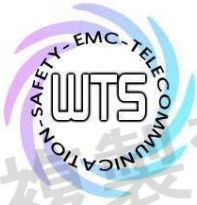
Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	1292.308	-63.62	peak	-33.83	-97.45	-84.00			-13.45	
*	1292.308	-65.24	AVG	-33.83	-99.07	-90.00			-9.07	

Result	Power + Antenna gain
-97.45 dBm	-92.95 dBm
-99.07 dBm	-94.57 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#3

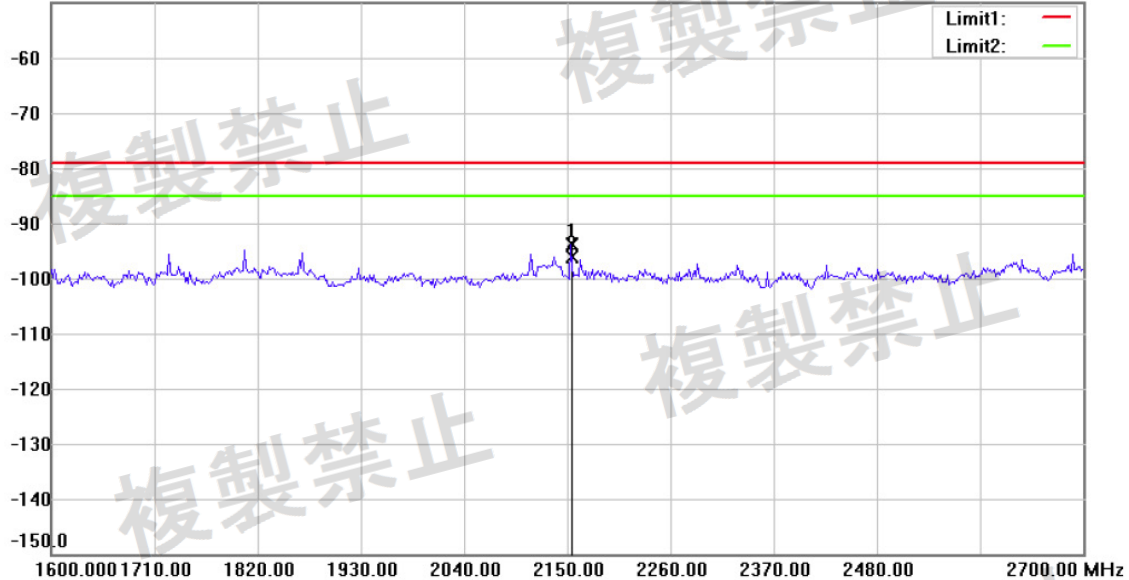
Date: 2022/5/11

Temperature:14.4 °C

-50.0 dBm

Time: 上午 11:51:13

Humidity:74.9 %



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	2153.526	-60.92	peak	-32.86	-93.78	-79.00			-14.78	
*	2153.526	-63.27	AVG	-32.86	-96.13	-85.00			-11.13	

Result	Power + Antenna gain
-93.78 dBm	-89.28 dBm
-96.13 dBm	-91.63 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#4

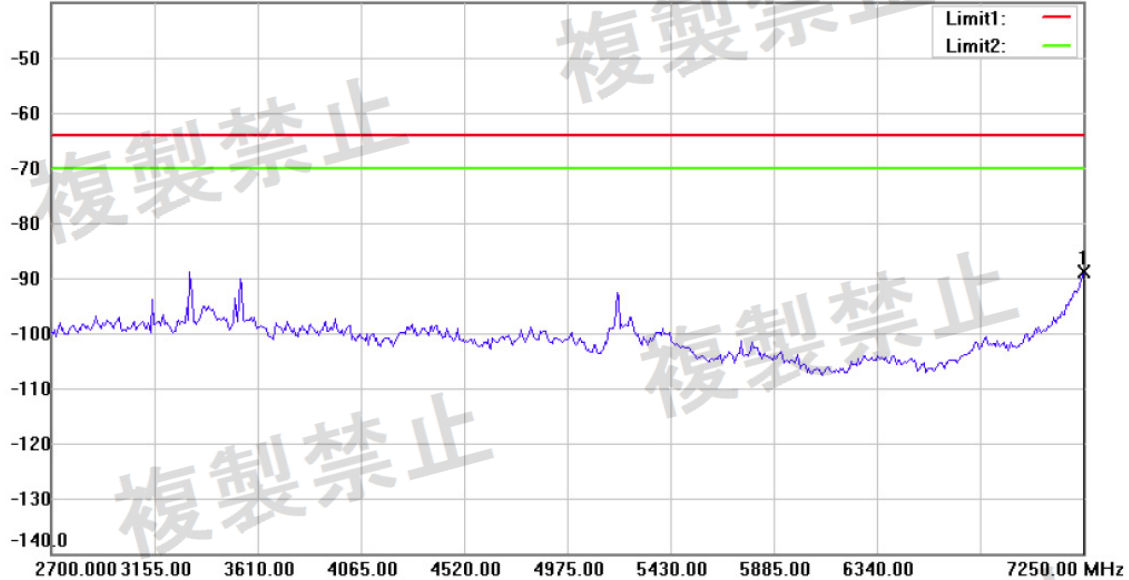
Date: 2022/5/11

Temperature:14.4 °C

-40.0 dBm

Time: 上午 11:54:33

Humidity:74.9 %



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

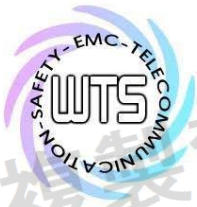
Polarization:

Power : 100V A.C.

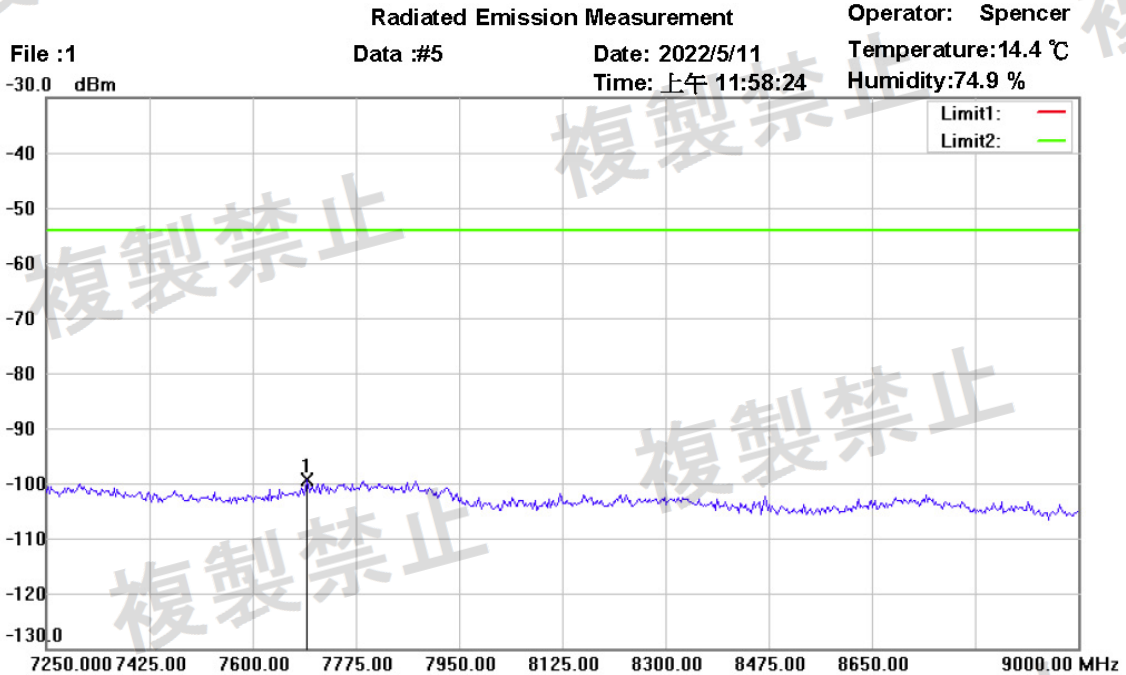
Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	7250.000	-56.01	peak	-32.96	-88.97	-64.00			-24.97	

Result	Power + Antenna gain
-88.97 dBm	-84.47 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	7693.109	-66.65	peak	-32.70	-99.35	-54.00			-45.35	

Result	Power + Antenna gain
-99.35 dBm	-94.85 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#6

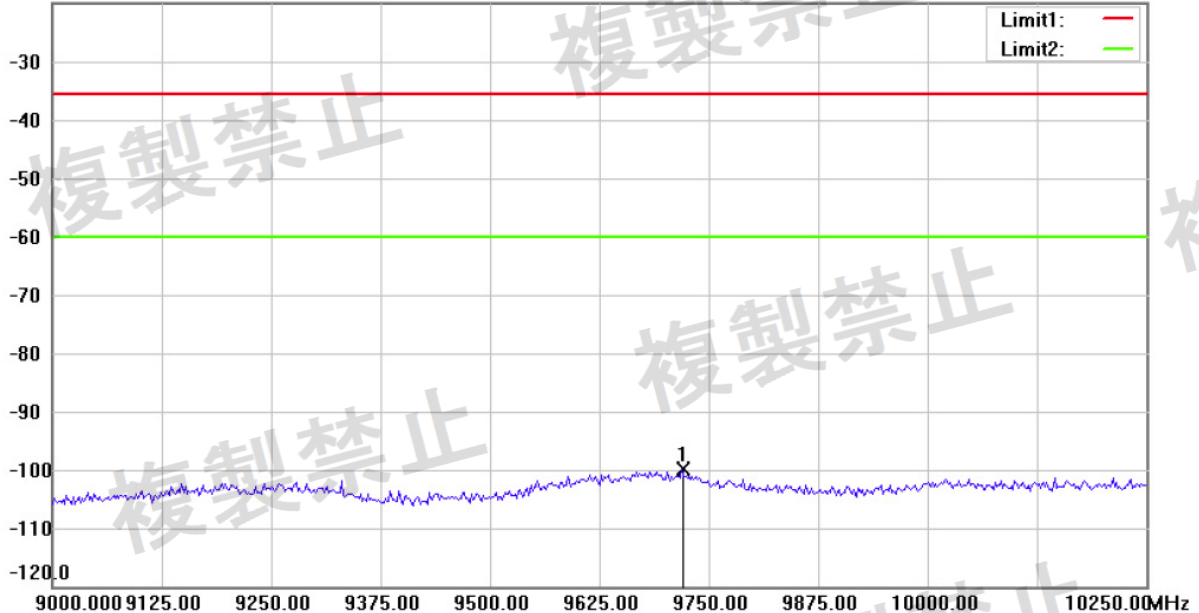
Date: 2022/5/11

Temperature:14.4 °C

-20.0 dBm

Time: 上午 11:58:57

Humidity:74.9 %



Site : Chamber

Condition : TELEC - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	9719.151	-67.08	peak	-32.80	-99.88	-35.70			-64.18	

Result	Power + Antenna gain
-99.88 dBm	-95.38 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#7

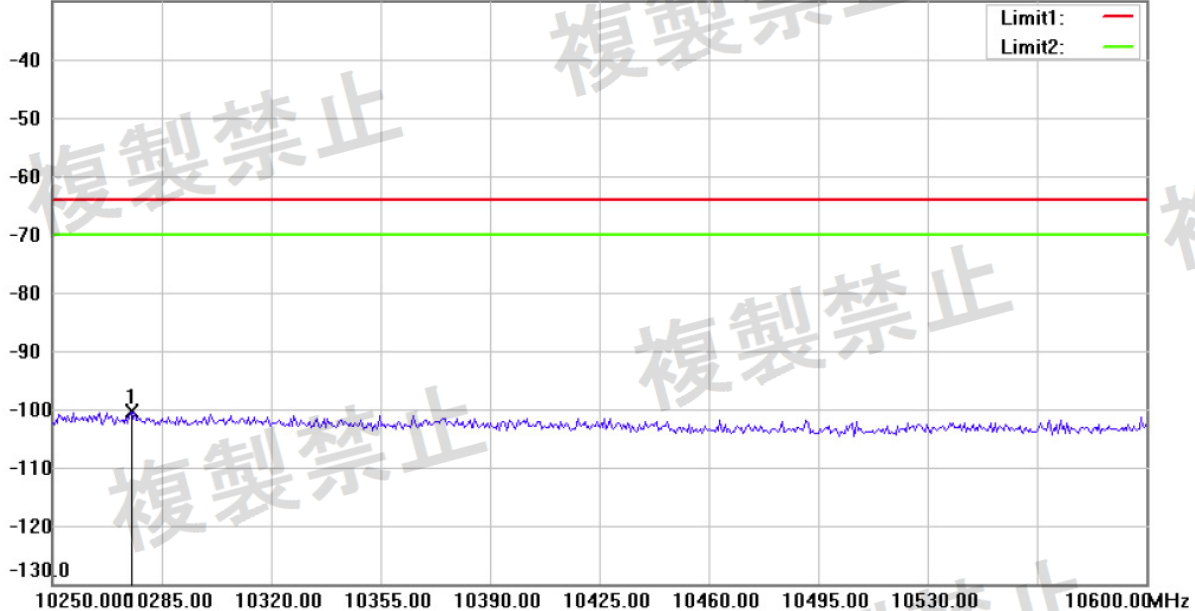
Date: 2022/5/11

Temperature:14.4 °C

Time: 下午 01:27:33

Humidity:74.9 %

-30.0 dBm



Site : Chamber

Condition : TELEC - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	10275.240	-66.49	peak	-33.93	-100.42	-64.00			-36.42	

Result	Power + Antenna gain
-100.42 dBm	-95.92 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

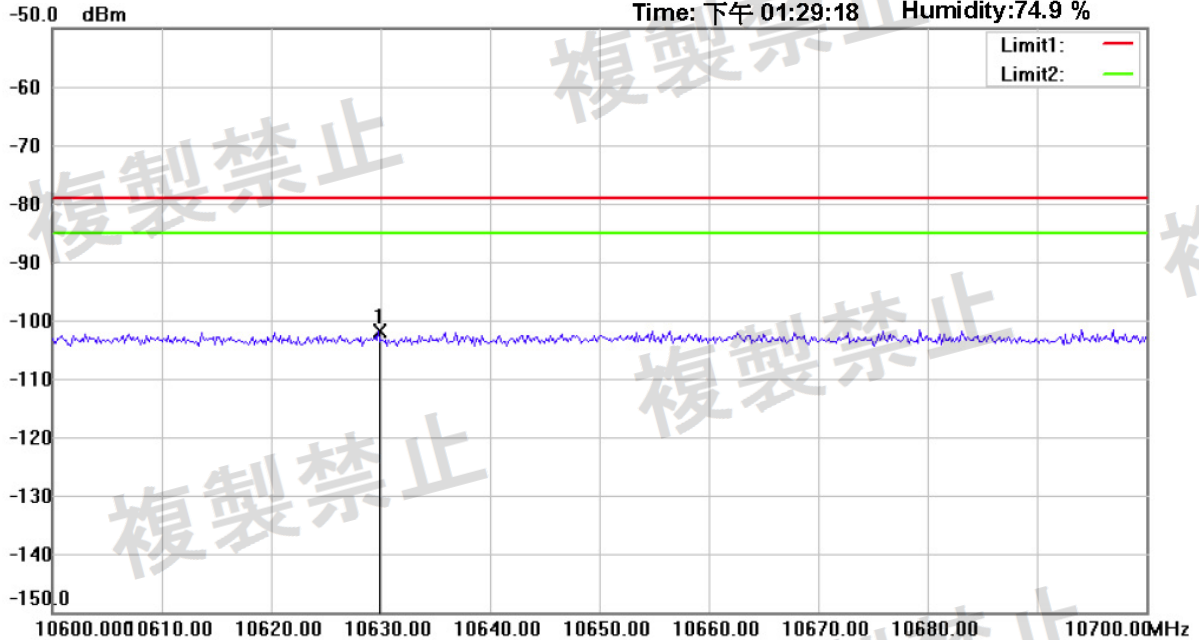
Data :#8

Date: 2022/5/11

Temperature:14.4 °C

Time: 下午 01:29:18

Humidity:74.9 %



Site : Chamber

Condition : TELEC - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	10629.808	-67.58	peak	-34.37	-101.95	-79.00			-22.95	

Result	Power + Antenna gain
-101.95 dBm	-97.45 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#9

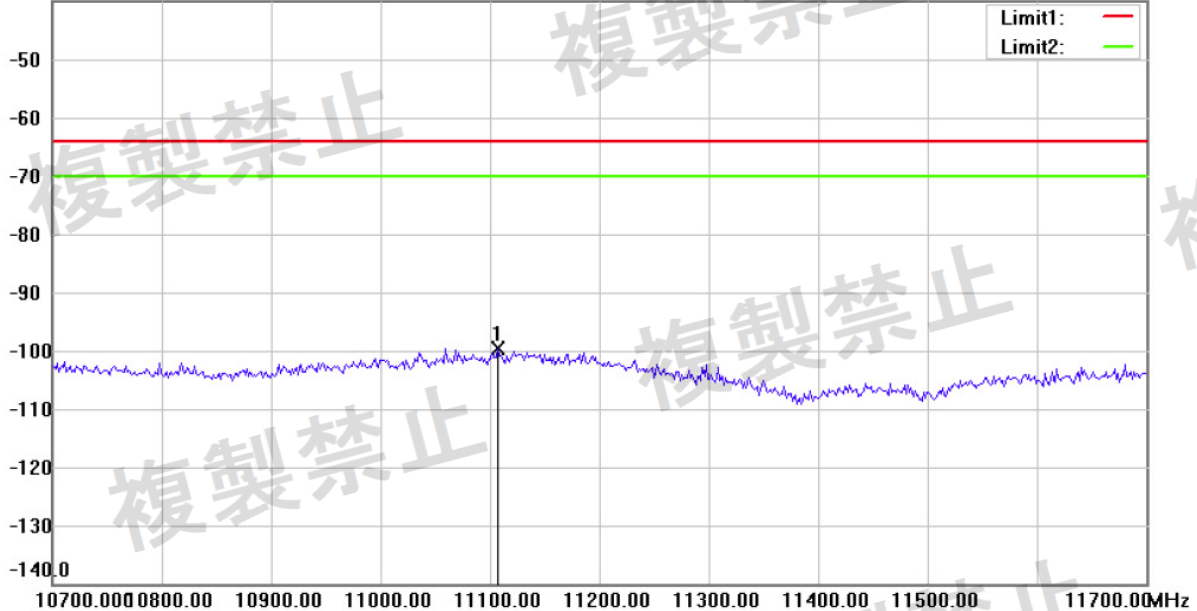
Date: 2022/5/11

Temperature:14.4 °C

Time: 下午 01:30:02

Humidity:74.9 %

-40.0 dBm



Site : Chamber

Condition : TELEC - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	11107.051	-64.47	peak	-35.05	-99.52	-64.00			-35.52	

Result	Power + Antenna gain
-99.52 dBm	-95.02 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

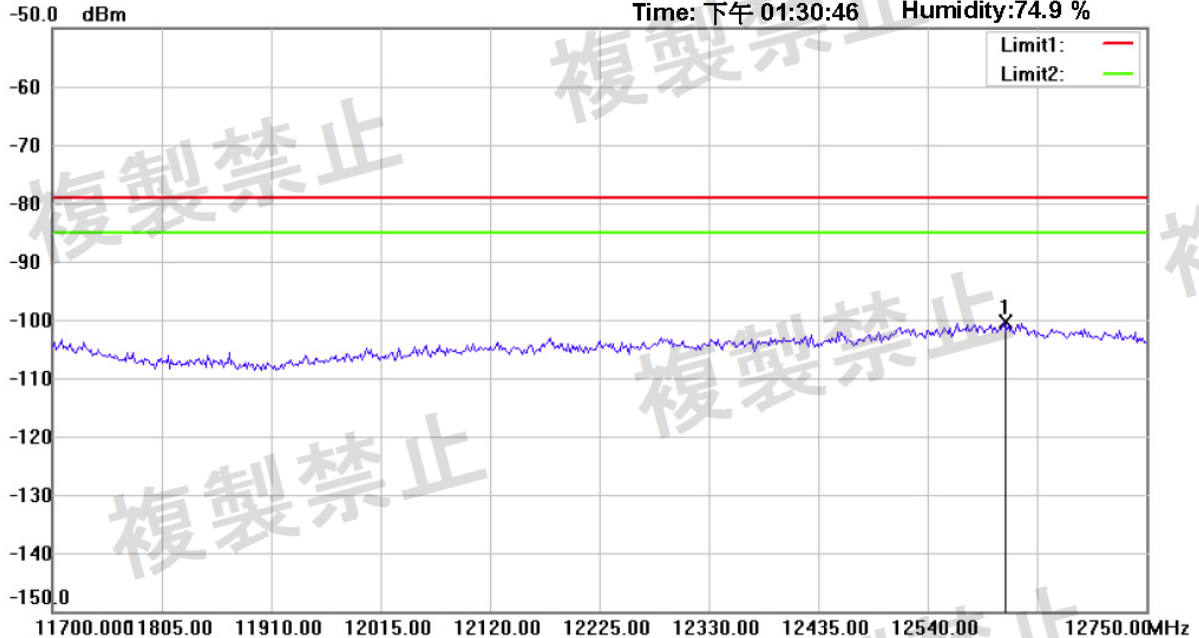
Data :#10

Date: 2022/5/11

Temperature:14.4 °C

Time: 下午 01:30:46

Humidity:74.9 %



Site : Chamber

Condition : TELEC - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	12613.702	-66.81	peak	-33.67	-100.48	-79.00			-21.48	

Result	Power + Antenna gain
-100.48 dBm	-95.98 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#11

Date: 2022/5/11

Temperature:14.4 °C

Time: 下午 01:32:24

Humidity:74.9 %



Site : Chamber

Condition : TELECOM - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
*	15980.769	-56.55	peak	-38.49	-95.04	-64.00			-31.04	

Result	Power + Antenna gain
-95.04 dBm	-90.54 dBm



Worldwide Testing Services(Taiwan) Co., Ltd.

Radiated Emission Measurement

Operator: Spencer

File :1

Data :#12

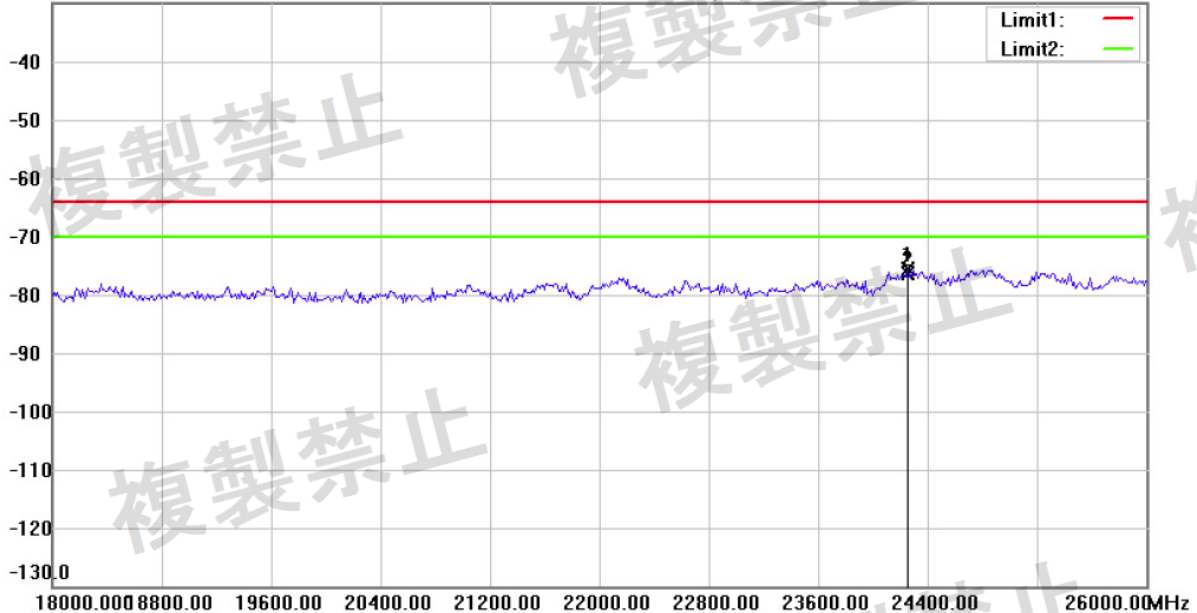
Date: 2022/5/11

Temperature:14.4 °C

-30.0 dBm

Time: 下午 03:59:21

Humidity:74.9 %



Site : Chamber

Condition : TELEC - UWB (UP) (Peak)

EUT : W6M22204-21746

M/N:

Test Mode : UWB 7.9872GHz

Note :

Polarization:

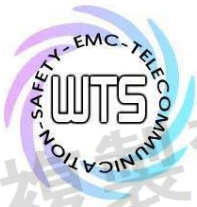
Power : 100V A.C.

Distance: 10m

Mk.	Frequency (MHz)	Reading (dBm)	Detector	Corr. factor (dB)	Result (dBm)	Limit (dBm)	Ant.Pos (cm)	Tab.Pos (deg.)	Margin (dB)	Comment
	24256.410	-72.74	peak	-3.00	-75.74	-64.00			-11.74	
*	24256.410	-73.37	AVG	-3.00	-76.37	-70.00			-6.37	

Result	Power + Antenna gain
-75.74 dBm	-71.24 dBm
-76.37 dBm	-71.87 dBm

Limits: See Appendix 2



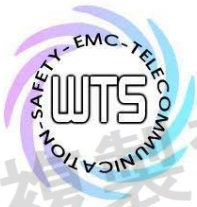
Worldwide Testing Services(Taiwan) Co., Ltd.

Appendix 2 (Secondary Radiated Emission Strength) *E.I.R.P.

Span	Average
30MHz - 1600MHz	-90dBm/MHz
1600MHz - 2700MHz	-85dBm/MHz
2700MHz - 7.25GHz	-70dBm/MHz
7.25GHz - 9GHz	-54dBm/MHz
9GHz - 10.25GHz	-60dBm/MHz
10.25GHz - 10.6GHz	-70dBm/MHz
10.6GHz - 10.7GHz	-85dBm/MHz
10.7GHz - 11.7GHz	-70dBm/MHz
11.7GHz - 12.75GHz	-85dBm/MHz
12.75GHz - 26GHz	-70dBm/MHz

Test equipment used: ETSTW-RE 055

Explanation: ./.



Worldwide Testing Services(Taiwan) Co., Ltd.

3.8 Condition for Frequency Stabilization

Test date: May 11, 2022

Temperature: 23.4 °C

Humidity: 56.0 %

Tester: Spencer

Input (Va.c.)	Output (Vd.c.)	Tolerance
100	1.58	--
90	1.58	0.00%
110	1.58	0.00%

Limits: A transmitter shall be so constructed that the oscillation frequency will be as free from influence by changes in its power supply voltage or load as possible in order to maintain its frequency within the tolerance.

Test equipment used: ETSTW-RE 055

Explanation: ./.