FCC Part15 Subpart F

TEST REPORT

For

UWB ANCHOR
MODEL NUMBER: UA-300

REPORT NUMBER: 4787819399-1

ISSUE DATE: April 19, 2017

Prepared for

Nanjing Woxu Wireless Co.,Ltd.
4th floor No.2 Building, Xuzhuang Software Industry Base No.699-8 XuanWu Avenue, Nanjing China

Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
--	04/19/2017	Initial Issue	

Summary of Test Results			
Clause	**Test Items**	**FCC/IC Rules**	**Test Results**
1	Radiated Emission	Below 1G FCC 15.209	Complied
		Above 1G FCC 15.517(c)(d)	Complied
2	Conducted Emission Test For AC Power Port	FCC 15.207	Complied
3	10dBc% BANDWIDTH	FCC 15.517(b)(e) FCC 15.503	Complied

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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Nanjing Woxu Wireless Co.,Ltd.

Address: 4th floor No.2 Building, Xuzhuang Software Industry Base No.699-8 XuanWu Avenue, Nanjing China

Manufacturer Information

Company Name: Nanjing Woxu Wireless Co.,Ltd.

Address: 4th floor No.2 Building, Xuzhuang Software Industry Base No.699-8 XuanWu Avenue, Nanjing China

EUT Description

Product Name	UWB ANCHOR
Brand Name	Redbat
Model Name	UA-300
Serial Number	UA-300B
Model Difference	The difference between UA-300 and UA-300B is without shell
Date Tested	Feb 07, 2017 ~ April 17, 2017

APPLICABLE STANDARDS	
STANDARD	**TEST RESULTS**
CFR 47 Part 15 Subpart F	PASS

Tested By:

Will Nan
Engineer

Check By:

Terry Hou
Project Engineer

Approved By:

Victor Yan
Laboratory Manager

2. TEST METHODOLOGY

All tests were performed in accordance with the standard FCC Part15 Subpart F and ANSI C63.10-2013

3. FACILITIES AND ACCREDITATION

Test Location	Dongguan Dongdian Testing Service Co., Ltd
Address	No. 17, Zongbu Road 2, Songshan Lake Sci&Tech Park, Dongguan City, Guangdong Province, 523808, China
Accreditation Certificate	Dongguan Dongdian Testing Service 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. Valid time is until January 31, 2018. Dongguan Dongdian Testing Service 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. Registration 270092, Renewal date March 11, 2015, valid time is until March 11, 2018. The 3m Alternate Test Site of Dongguan Dongdian Testing Service Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 10288A on April 23, 2015, valid time is until April 23, 2018.

4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

The measuring equipment utilized to perform the tests documented in this report has been calibrated in accordance with the manufacturer's recommendations, and is traceable to recognized national standards.

4.2. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

Test Item	Uncertainty
Uncertainty for Conduction emission test	3.32dB (150KHz-30MHz)
	3.72dB (9KHz-150KHz)
Uncertainty for Radiation Emission test(include Fundamental emission) (30MHz-1GHz)	4.70 dB (Antenna Polarize: V)
	4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1GHz to 26GHz)(include Fundamental emission)	4.10dB(1-6GHz)
	4.40dB (6GHz-18Gz)
	3.54dB (18GHz-26Gz)
	4.30dB (26GHz-40Gz)
Bandwidth	1.1%
Stop Transmitting Time Test	0.6%
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

Equipment	UWB ANCHOR	
Model Name	UA-300	
Product Description	Operation Frequency	3.25GHz~6.75GHz
Power Supply	DC 12V Via AC/DC Adapter	

5.2. CHANNEL LIST

Channel	Frequency (MHz)	Channel	Frequency(MHz)
1	3494.4MHz	2	3993.6MHz
3	4492.8MHz	5	6489.6MHz

5.3. TEST CHANNEL CONFIGURATION

Test Channel	Frequency
CH1	3494.4MHz
CH2	3993.6MHz
CH5	6489.6MHz

5.4. ANTENNA REQUIREMENTS

Excerpt from §15.203 of the FCC Rules/Regulations:

“An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.”

The antennas of the **UWB ANCHOR** is **unique connector requirement**.

Conclusion:

The EUT’s antenna unit complies with the requirement of §15.203.

5.5. ACCESSORY

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	N/A	N/A	N/A	N/A

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	DC Cable	N/A	N/A	0.3	N/A

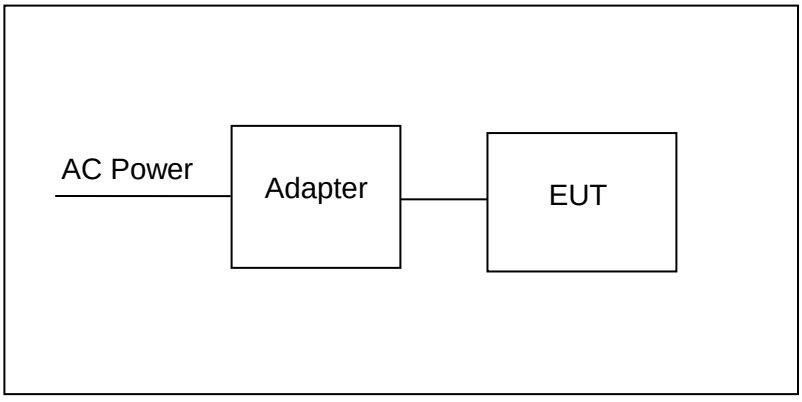
ACCESSORY

Item	Accessory	Brand Name	Model Name	Description
1	Adapter	N/A	S-121250	Input:100/240VAC 50/60Hz Output:12V 1.25A

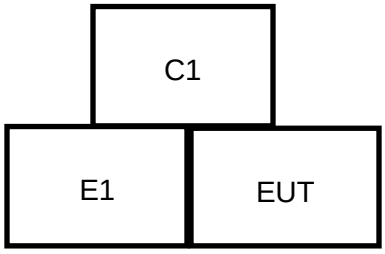
TEST SETUP

EUT Connect the power to work.

SETUP DIAGRAM FOR TEST



5.6. BLOCK DIAGRAM SHOWING THE CONIGURATION OF SYSTEM TESTED



5.7. DESCRIPTION OF SUPPROT UNITS

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Mfr/Brand	Model	Specification	Series No.
E-1	Adapter	N/A	S-121250	N/A	N/A

Item	Shielded Type	Ferrite Core	Length	Note
C-1	No	No	0.30m	DC Cable

Note:
(1) For detachable type I/O cable should be specified the length in m in『Length』column.

5.8. MEASURING INSTRUMENT LIST

Instrument(Conducted for RF Port)						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Expired date
☑	Spectrum Analyzer	R&S	FSV40	101117	Dec.30,2016	Dec.29,2017
☑	Receiver Cable (30MHz-40GHz)	JUNFLON	J12J102248-00-B-5	AUG-07-15-043	Jan.18,2017	Jan.18,2018
Instrument (Line Conducted Emission (AC Main))						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Expired date
☑	EMI Test Receiver	R&S	ESCI	101247	Nov.3,2016	Nov.3,2017
☑	V-Network	R&S	ESH3-Z6	100211	Nov.3,2016	Nov.3,2017
☑	V-Network	R&S	ESH3-Z6	100210	Nov.3,2016	Nov.3,2017
☑	Pulse Limiter	R&S	ESH3-Z2	101488	Nov.3,2016	Nov.3,2017
☑	Test Software	R&S	ES-K1	N/A	N/A	N/A
Instrument (Radiated Tests)						
Used	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Expired date
☑	EMI Test Receiver	R&S	ESI 26	100009	Nov.2,2016	Nov.2,2017
☑	RF Test Panel	R&S	TS / RSP	335015/ 0017	N/A	N/A
☑	EMI Test Software	R&S	ESK1	N/A	N/A	N/A
☑	Ultra-Broadband Antenna	ShwarzBeck	VULB9163	538	Nov.8,2016	Nov.8,2017
☑	Horn Antenna	ShwarzBeck	9120D	1011	Nov.8,2016	Nov.8,2017
☑	High Gain Horn Antenna	ShwarzBeck	BBHA-9170	697	Jan.6,2016	Jan.5,2019
☑	Loop Antenna	R&S	HZ-9	838622\013	Nov.8,2016	Nov.8,2017
☑	Broadband Horn Antenna	ShwarzBeck	BBHA9170	BBHA9170472	Nov.8,2016	Nov.8,2017
☑	Broadband Preamplifer	ShwarzBeck	BBV 9718	9718-247	Nov.2,2016	Nov.2,2017
☑	Broadband Preamplifer	ShwarzBeck	BBV 9721	9721-102	Nov.2,2016	Nov.2,2017
☑	Preamplifer	TDK	PA-02-3	TRS-308-00002	Dec.21,2016	Dec.20,2017
☑	Turn Table	MATURO	TT2.0	----	N/A	N/A
☑	Antenna Mast	MATURO	TAM-4.0-P	----	N/A	N/A
☑	EMI Test Software	Audix	E3	N/A	N/A	N/A

6. RADIATED EMISSION TEST

6.1. LIMITS OF RADIATED DISTURBANCE MEASUREMENT

Please refer to FCC §15.209 and §15.517

(a). Limits below 1G

Frequency (MHz)	☒Class B (at 3m)	
	(uV/m) Field strength	(dBuV/m) Field strength
30 - 88	100	40
88 - 216	150	43.5
216 - 960	200	46
Above 960	500	54

(b). Limits above 1G

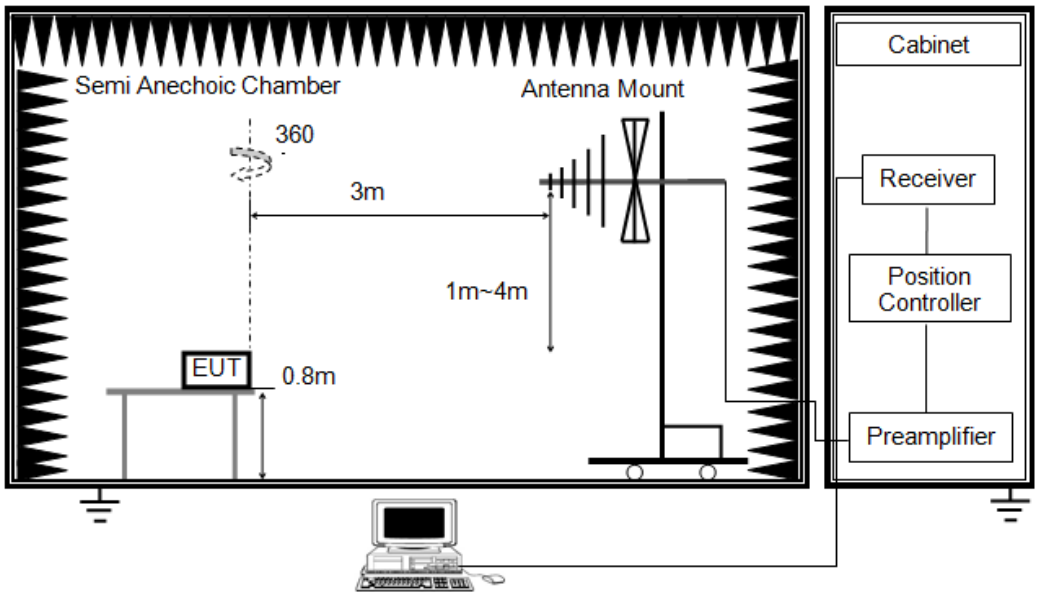
Frequency in MHz	EIRP in dBm
960-1610	−75.3
1610-1990	−53.3
1990-3100	−51.3
3100-10600	−41.3
Above 10600	−51.3

(c). In addition to the radiated emission limits specified in the table in paragraph (a)(b) of this section, UWB transmitters operating under the provisions of this section shall not exceed the following average limits when measured using a resolution bandwidth of no less than 1 kHz:

Frequency in MHz	EIRP in dBm
1164-1240	−85.3
1559-1610	−85.3

6.2. TEST PROCEDURE

Below 960MHz



The setting of the spectrum analyser

RBW	120K
VBW	300K
Sweep	Auto
Detector	Peak/QP
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 0.8 meter above ground.

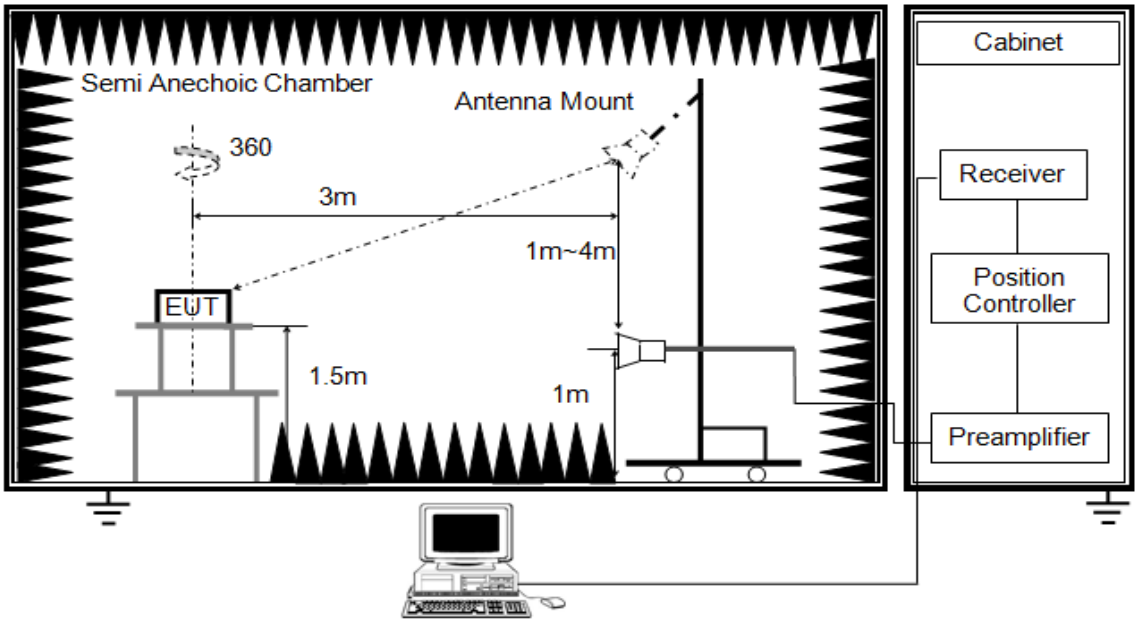
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

6. For measurement below 1GHz, the initial step in collecting radiated emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.

7. For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Configuration)

ABOVE 960MHz



RBW	1M
VBW	1M
Sweep	Auto
Detector	CISPR Average
Trace	Max hold

1. The testing follows the guidelines in ANSI C63.10-2013.

2. The EUT was arranged to its worst case and then tune the antenna tower (1.5 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.

3. The EUT was placed on a turntable with 1.5 meter above ground.

4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

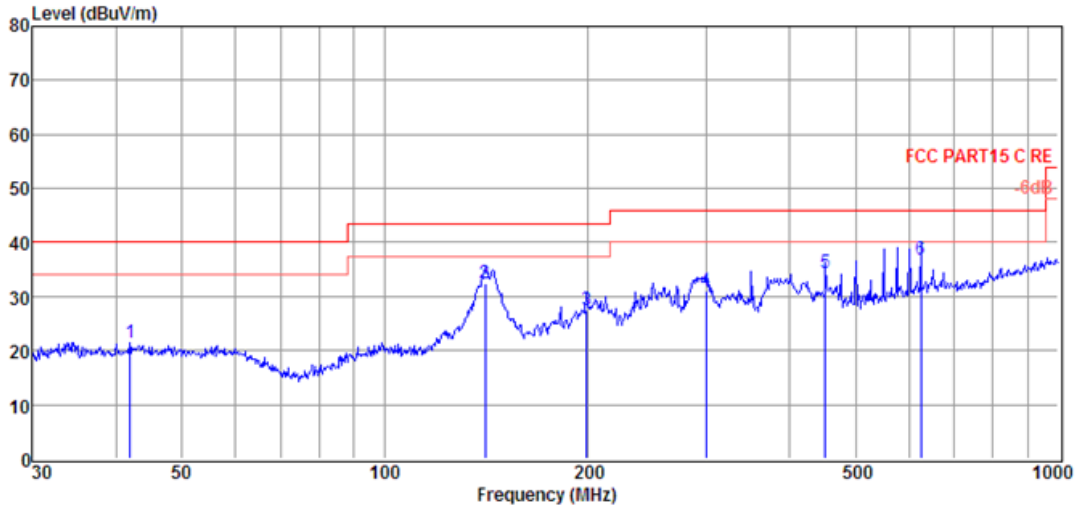
6. For measurement above 1GHz, the emission measurement will be measured by the Average detector.

7. For the actual test configuration, please refer to the related Item in this test report (Photographs of the Test Configuration)

6.3. TEST RESULT

Below 1G

EUT	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Polar	Horizontal



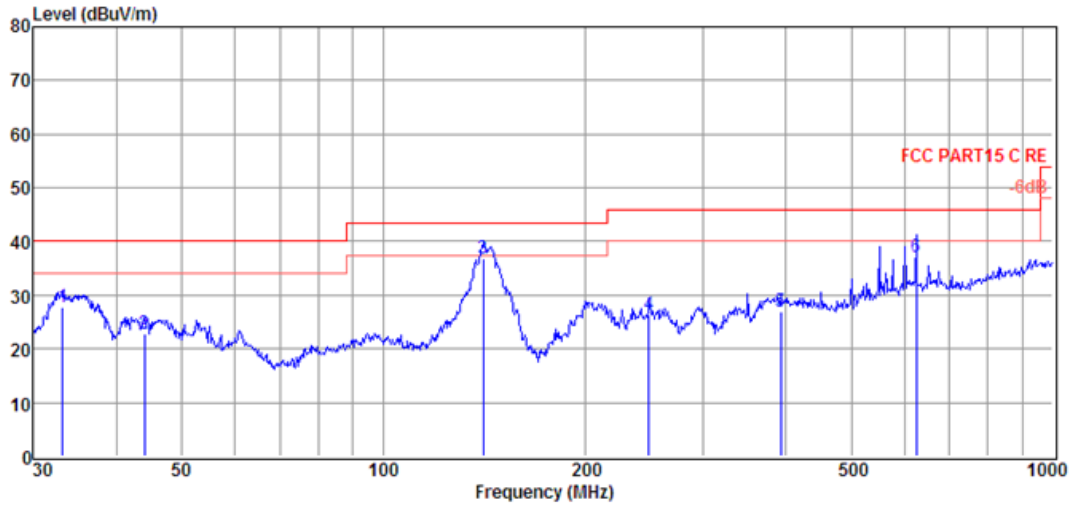
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	41.86	5.04	12.47	3.81	21.32	40.00	-18.68	QP	HORIZONTAL
2	140.84	20.63	7.40	4.55	32.58	43.50	-10.92	QP	HORIZONTAL
3	199.29	12.46	10.27	4.89	27.62	43.50	-15.88	QP	HORIZONTAL
4	300.37	12.32	13.41	5.38	31.11	46.00	-14.89	QP	HORIZONTAL
5	451.14	12.03	16.30	5.99	34.32	46.00	-11.68	QP	HORIZONTAL
6	625.08	10.78	19.40	6.59	36.77	46.00	-9.23	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Polar	Vertical



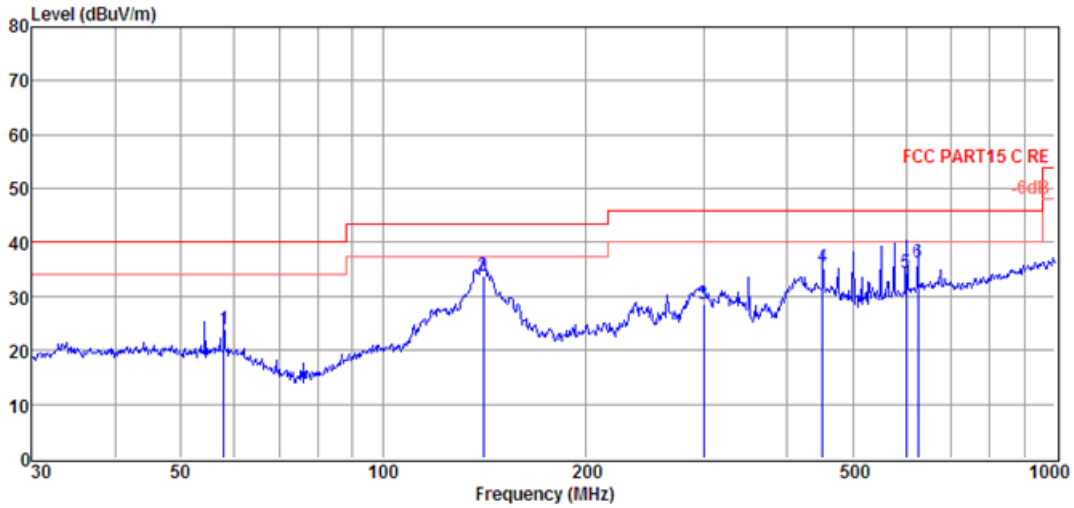
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	33.21	12.67	11.52	3.71	27.90	40.00	-12.10	QP	VERTICAL
2	43.97	6.53	12.40	3.83	22.76	40.00	-17.24	QP	VERTICAL
3	140.84	24.98	7.40	4.55	36.93	43.50	-6.57	QP	VERTICAL
4	249.43	9.07	12.30	5.14	26.51	46.00	-19.49	QP	VERTICAL
5	392.10	5.62	15.54	5.77	26.93	46.00	-19.07	QP	VERTICAL
6	625.08	11.25	19.40	6.59	37.24	46.00	-8.76	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

EUT	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Polar	Horizontal



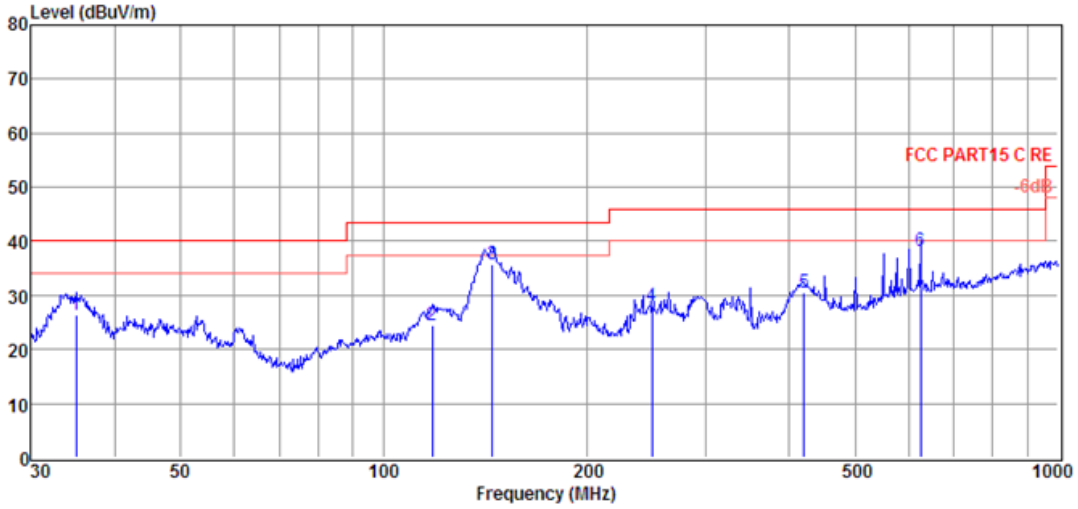
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	58.00	8.14	11.70	3.96	23.80	40.00	-16.20	QP	HORIZONTAL
2	140.84	21.88	7.40	4.55	33.83	43.50	-9.67	QP	HORIZONTAL
3	300.37	9.77	13.41	5.38	28.56	46.00	-17.44	QP	HORIZONTAL
4	451.14	13.12	16.30	5.99	35.41	46.00	-10.59	QP	HORIZONTAL
5	601.43	8.67	19.27	6.51	34.45	46.00	-11.55	QP	HORIZONTAL
6	625.08	10.30	19.40	6.59	36.29	46.00	-9.71	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Polar	Vertical



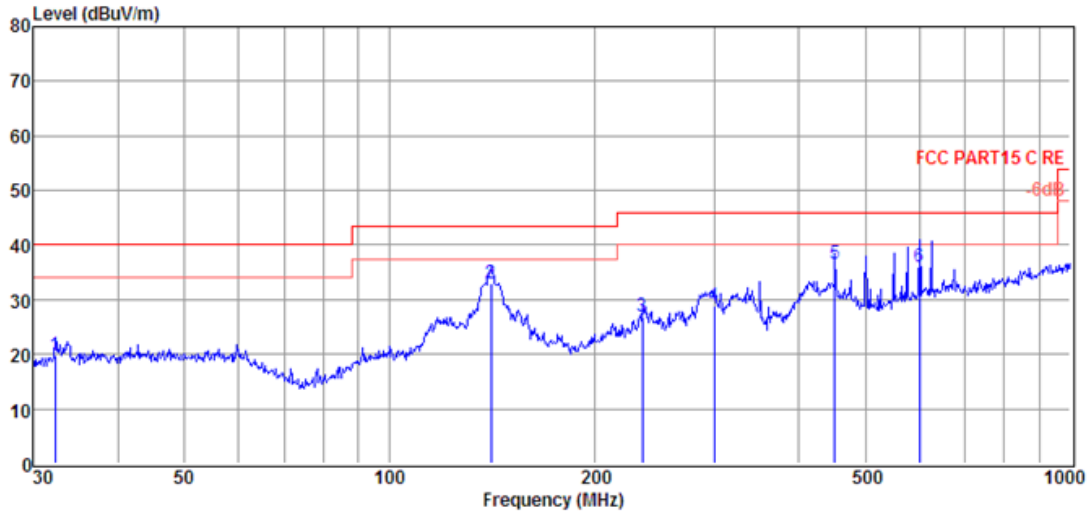
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	35.01	10.91	11.80	3.73	26.44	40.00	-13.56	QP	VERTICAL
2	118.19	10.31	9.69	4.41	24.41	43.50	-19.09	QP	VERTICAL
3	144.84	23.82	7.40	4.57	35.79	43.50	-7.71	QP	VERTICAL
4	250.30	10.64	12.30	5.14	28.08	46.00	-17.92	QP	VERTICAL
5	420.58	8.39	16.29	5.88	30.56	46.00	-15.44	QP	VERTICAL
6	625.08	12.16	19.40	6.59	38.15	46.00	-7.85	QP	VERTICAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

EUT	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Polar	Horizontal



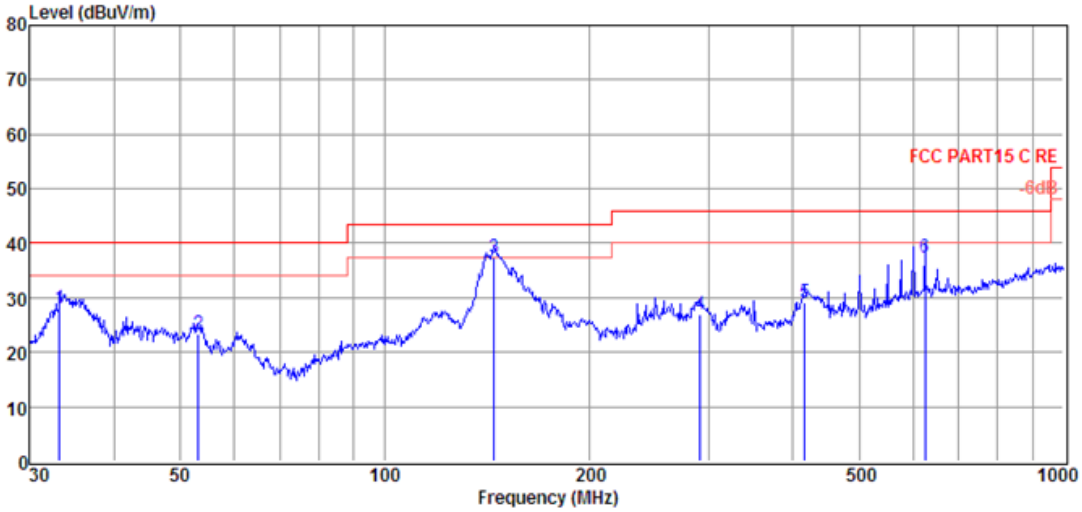
Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	32.29	4.63	11.43	3.69	19.75	40.00	-20.25	QP	HORIZONTAL
2	140.84	21.05	7.40	4.55	33.00	43.50	-10.50	QP	HORIZONTAL
3	234.99	10.14	11.70	5.07	26.91	46.00	-19.09	QP	HORIZONTAL
4	300.37	10.00	13.41	5.38	28.79	46.00	-17.21	QP	HORIZONTAL
5	451.14	14.18	16.30	5.99	36.47	46.00	-9.53	QP	HORIZONTAL
6	601.43	10.14	19.27	6.51	35.92	46.00	-10.08	QP	HORIZONTAL

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Polar	Vertical



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	33.21	12.70	11.52	3.71	27.93	40.00	-12.07	QP	VERTICAL
2	53.13	7.75	11.70	3.92	23.37	40.00	-16.63	QP	VERTICAL
3	144.84	25.48	7.40	4.57	37.45	43.50	-6.05	QP	VERTICAL
4	292.06	8.01	13.46	5.34	26.81	46.00	-19.19	QP	VERTICAL
5	416.18	7.13	16.15	5.86	29.14	46.00	-16.86	QP	VERTICAL
6	625.08	11.26	19.40	6.59	37.25	46.00	-8.75	QP	VERTICAL

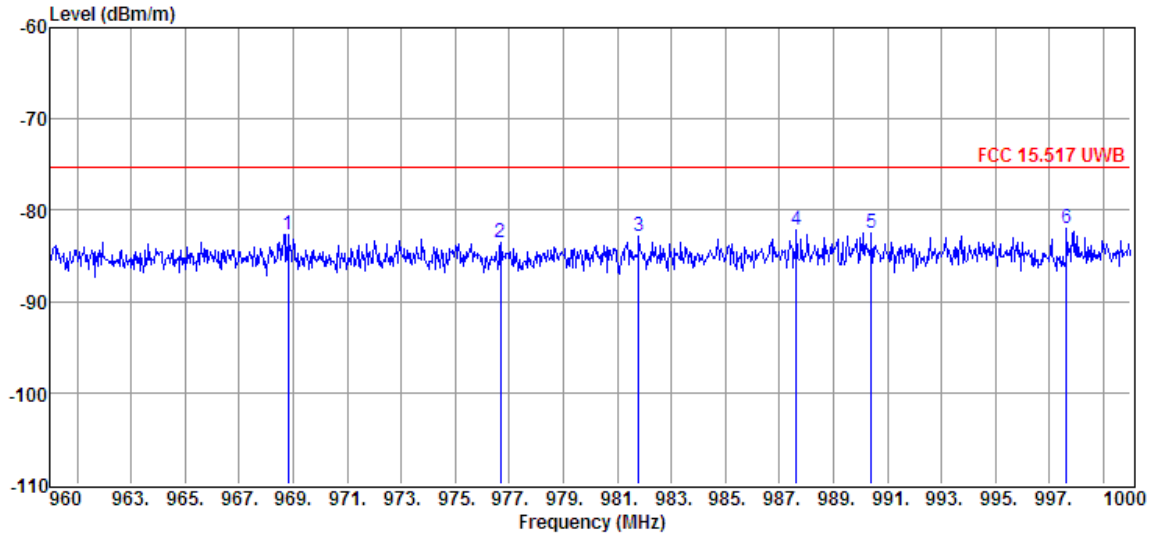
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss.

2. If Peak Result complies with QP limit, QP Result is deemed to comply with QP limit.

3. Test setup: RBW: 120 kHz, VBW: 300 kHz, Sweep time: auto.

96MHz~1GHz

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	55 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Polar	Horizontal

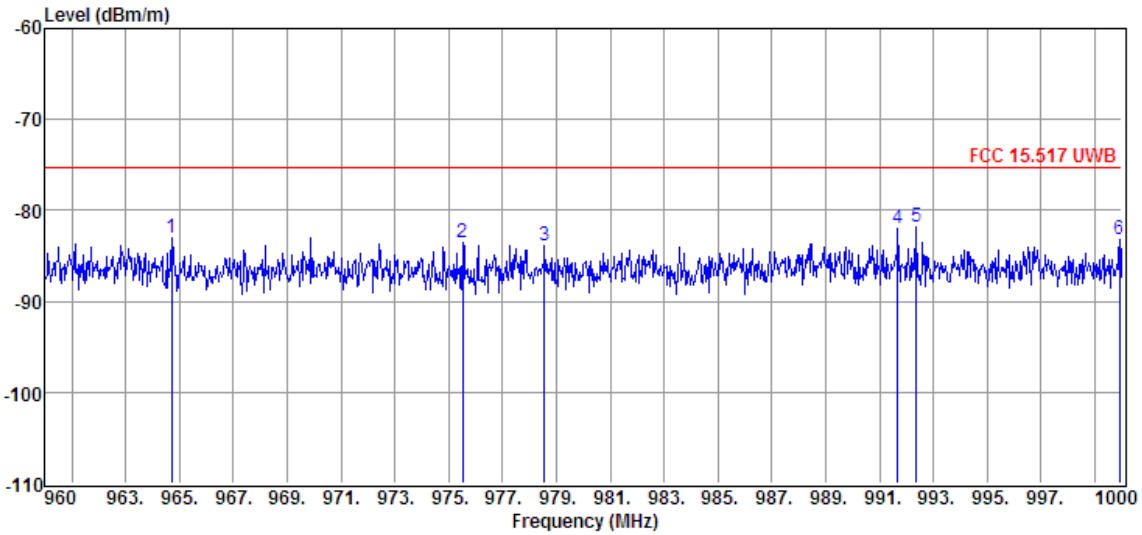


Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	968.80	-113.14	22.92	7.60	-82.62	-75.30	-7.32	EIRP
2	976.68	-113.97	22.83	7.62	-83.52	-75.30	-8.22	EIRP
3	981.80	-113.39	22.85	7.63	-82.91	-75.30	-7.61	EIRP
4	987.64	-112.86	23.03	7.65	-82.18	-75.30	-6.88	EIRP
5	990.40	-113.23	23.10	7.65	-82.48	-75.30	-7.18	EIRP
6	997.64	-112.74	23.10	7.67	-81.97	-75.30	-6.67	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

3. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	55 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Polar	Vertical

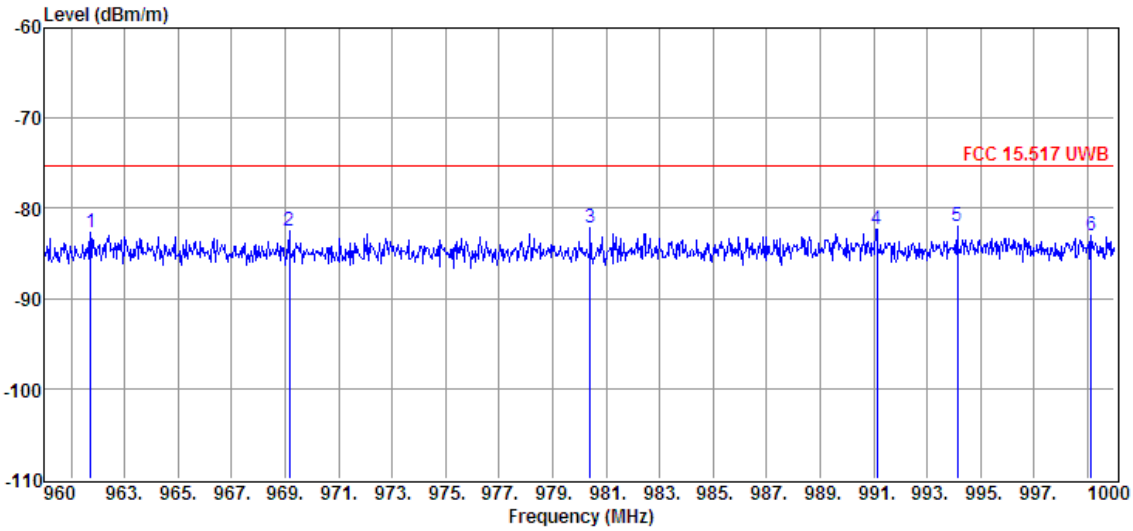


Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	964.72	-113.57	23.01	7.59	-82.97	-75.30	-7.67	EIRP
2	975.52	-114.01	22.84	7.62	-83.55	-75.30	-8.25	EIRP
3	978.56	-114.41	22.81	7.63	-83.97	-75.30	-8.67	EIRP
4	991.68	-112.78	23.10	7.66	-82.02	-75.30	-6.72	EIRP
5	992.36	-112.56	23.10	7.66	-81.80	-75.30	-6.50	EIRP
6	999.92	-114.04	23.10	7.68	-83.26	-75.30	-7.96	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

3. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	55 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Polar	Horizontal

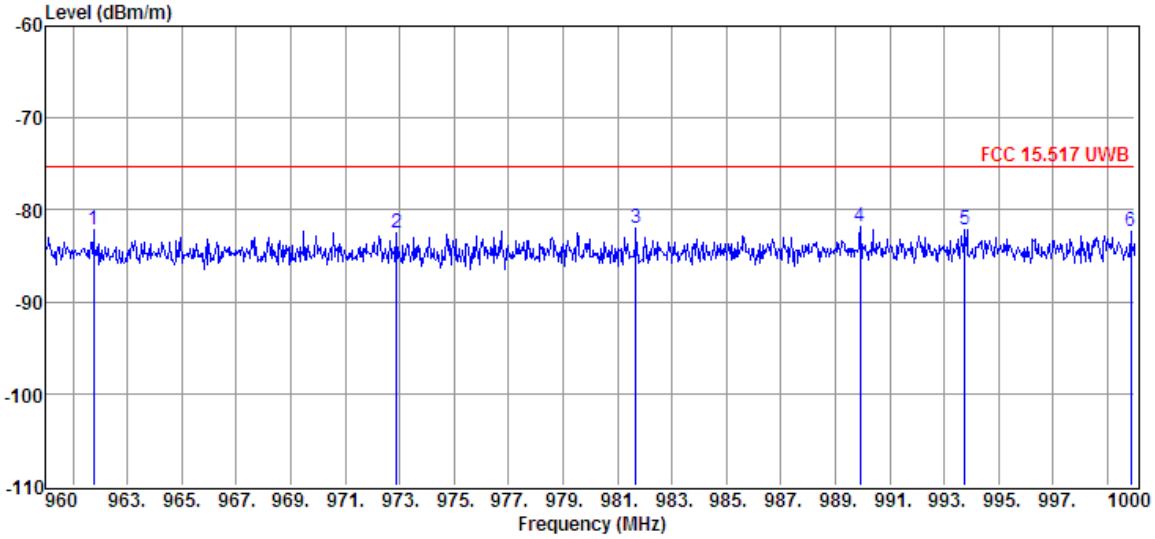


Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	961.72	-113.35	23.07	7.58	-82.70	-75.30	-7.40	EIRP
2	969.16	-112.96	22.92	7.60	-82.44	-75.30	-7.14	EIRP
3	980.40	-112.65	22.81	7.63	-82.21	-75.30	-6.91	EIRP
4	991.12	-113.07	23.10	7.66	-82.31	-75.30	-7.01	EIRP
5	994.12	-112.80	23.10	7.66	-82.04	-75.30	-6.74	EIRP
6	999.12	-113.85	23.10	7.68	-83.07	-75.30	-7.77	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

3. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	55 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Polar	Vertical

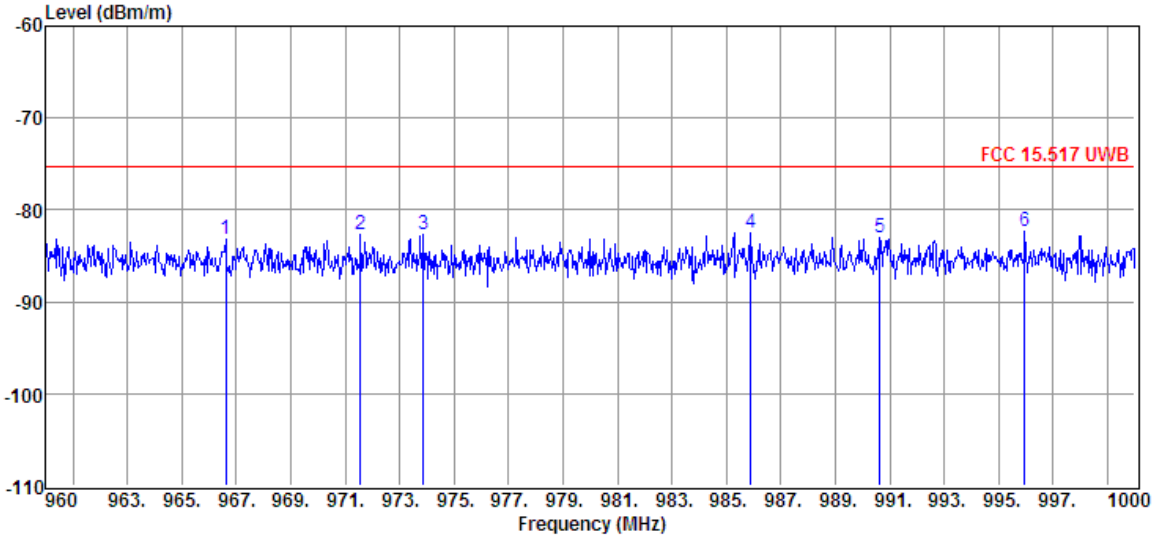


Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	961.76	-112.86	23.06	7.58	-82.22	-75.30	-6.92	EIRP
2	972.88	-113.02	22.87	7.61	-82.54	-75.30	-7.24	EIRP
3	981.68	-112.40	22.85	7.63	-81.92	-75.30	-6.62	EIRP
4	989.92	-112.65	23.10	7.65	-81.90	-75.30	-6.60	EIRP
5	993.76	-112.91	23.10	7.66	-82.15	-75.30	-6.85	EIRP
6	999.84	-113.20	23.10	7.68	-82.42	-75.30	-7.12	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

3. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	55 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Polar	Horizontal

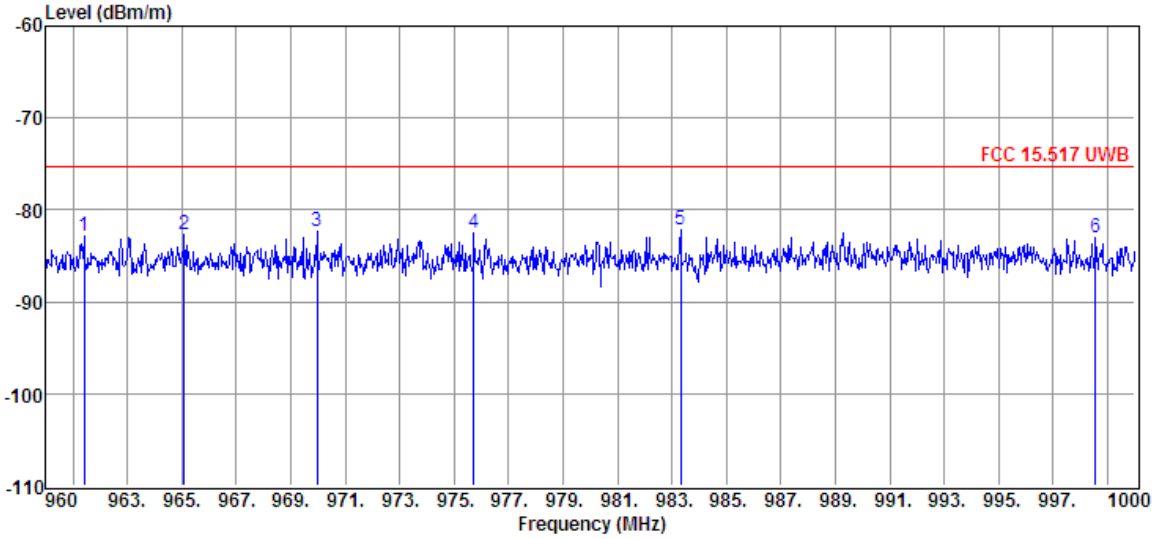


Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	966.60	-113.74	22.97	7.59	-83.18	-75.30	-7.88	EIRP
2	971.56	-113.09	22.88	7.61	-82.60	-75.30	-7.30	EIRP
3	973.88	-113.12	22.86	7.61	-82.65	-75.30	-7.35	EIRP
4	985.88	-113.15	22.98	7.64	-82.53	-75.30	-7.23	EIRP
5	990.64	-113.78	23.10	7.66	-83.02	-75.30	-7.72	EIRP
6	995.96	-113.18	23.10	7.67	-82.41	-75.30	-7.11	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

3. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	55 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Polar	Vertical



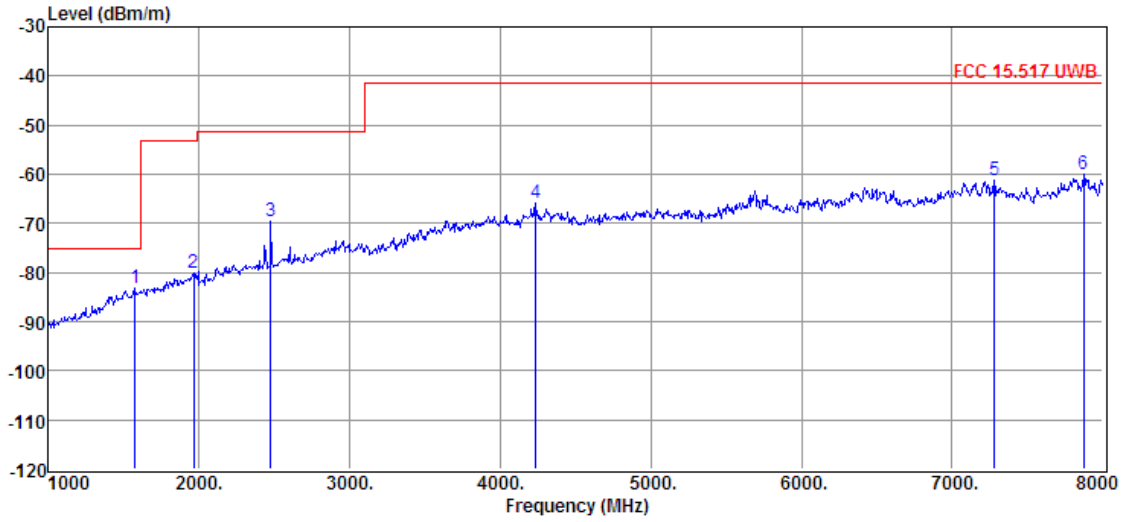
Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	961.40	-113.56	23.07	7.58	-82.91	-75.30	-7.61	EIRP
2	965.08	-113.25	23.00	7.59	-82.66	-75.30	-7.36	EIRP
3	969.96	-112.84	22.90	7.60	-82.34	-75.30	-7.04	EIRP
4	975.72	-112.97	22.84	7.62	-82.51	-75.30	-7.21	EIRP
5	983.32	-112.78	22.90	7.64	-82.24	-75.30	-6.94	EIRP
6	998.56	-113.83	23.10	7.68	-83.05	-75.30	-7.75	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

3. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Polar	Horizontal

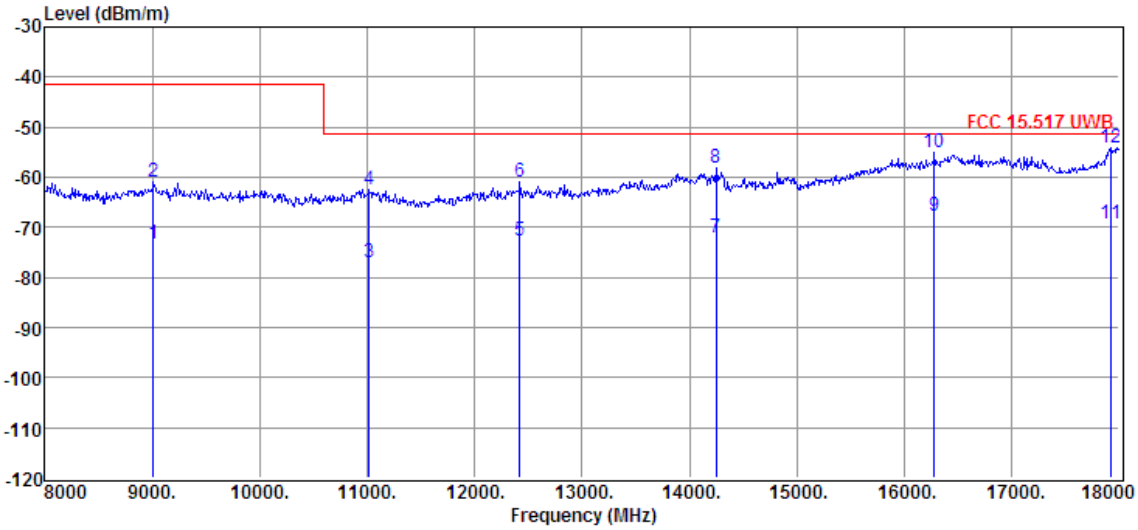
1G~8G:



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1574.00	-85.12	26.02	29.09	5.00	-83.19	-75.30	-7.89	Peak
2	1966.00	-84.60	27.95	28.99	5.47	-80.17	-53.30	-26.87	Peak
3	2477.00	-76.03	30.11	29.69	6.13	-69.48	-51.30	-18.18	Peak
4	4234.00	-78.27	33.59	29.09	7.87	-65.90	-41.30	-24.60	Peak
5	7279.00	-77.89	36.43	30.55	10.66	-61.35	-41.30	-20.05	Peak
6	7874.00	-76.76	36.68	31.08	11.07	-60.09	-41.30	-18.79	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	9010.00	-90.25	37.48	32.33	11.83	-73.27	-41.30	-31.97	Average
2	9010.00	-78.06	37.48	32.33	11.83	-61.08	-41.30	-19.78	Peak
3	11020.00	-94.36	37.76	33.98	13.49	-77.09	-51.30	-25.79	Average
4	11020.00	-79.83	37.76	33.98	13.49	-62.56	-51.30	-11.26	Peak
5	12420.00	-90.26	38.19	35.16	14.57	-72.66	-51.30	-21.36	Average
6	12420.00	-78.49	38.19	35.16	14.57	-60.89	-51.30	-9.59	Peak
7	14250.00	-92.65	40.30	34.96	15.38	-71.93	-51.30	-20.63	Average
8	14250.00	-78.90	40.30	34.96	15.38	-58.18	-51.30	-6.88	Peak
9	16280.00	-93.54	44.35	35.75	17.30	-67.64	-51.30	-16.34	Average
10	16280.00	-81.04	44.35	35.75	17.30	-55.14	-51.30	-3.84	Peak
11	17930.00	-95.61	44.46	37.67	19.58	-69.24	-51.30	-17.94	Average
12	17930.00	-80.45	44.46	37.67	19.58	-54.08	-51.30	-2.78	Peak

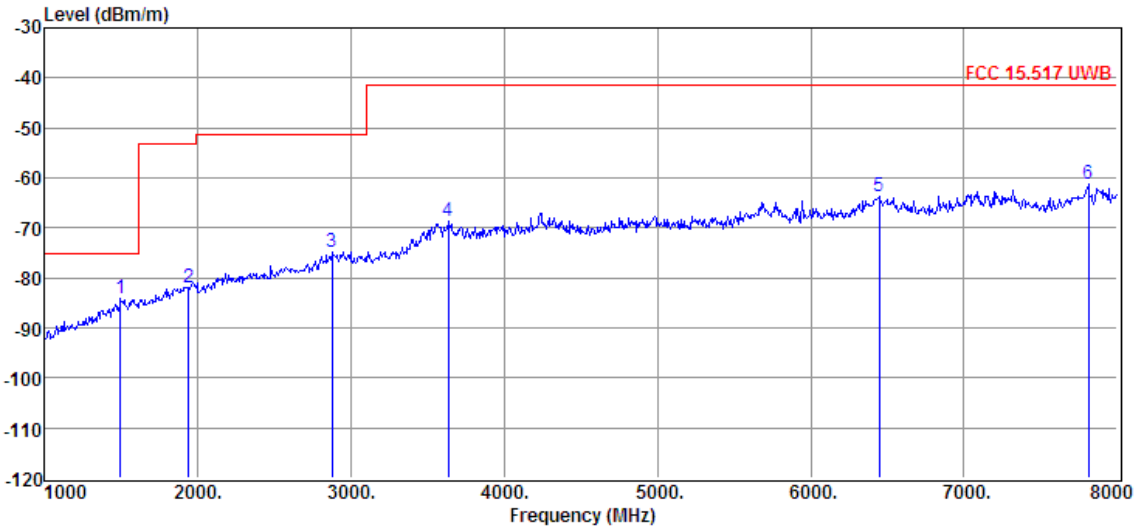
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

3. The higher frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line and was not reported.

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Polar	Vertical

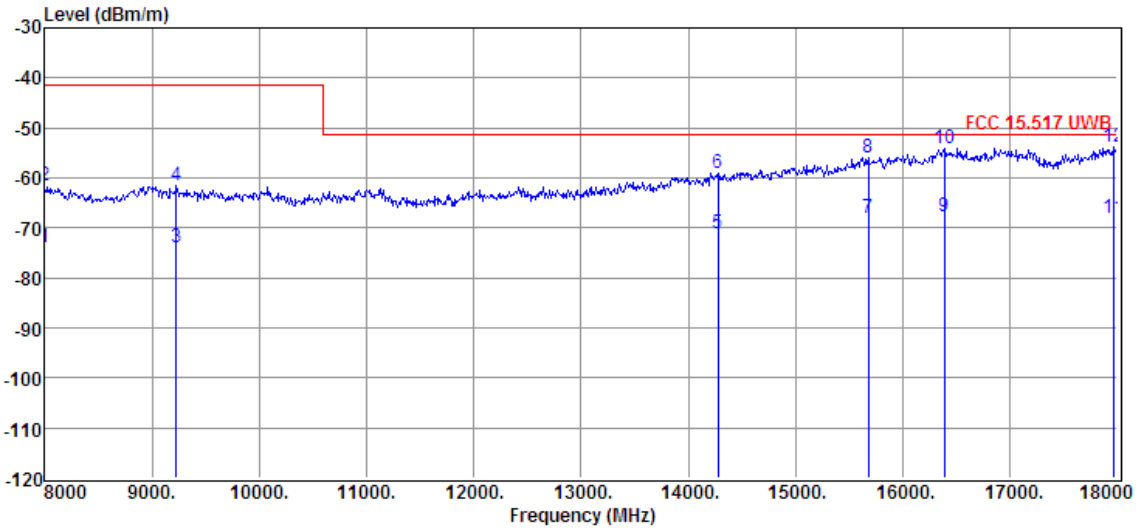
1G~8G:



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1497.00	-85.60	25.59	29.14	4.92	-84.23	-75.30	-8.93	Peak
2	1938.00	-86.10	27.83	29.00	5.43	-81.84	-53.30	-28.54	Peak
3	2876.00	-82.57	31.35	30.14	6.61	-74.75	-51.30	-23.45	Peak
4	3632.00	-78.94	32.32	29.31	7.38	-68.55	-41.30	-27.25	Peak
5	6446.00	-79.74	35.72	29.74	9.91	-63.85	-41.30	-22.55	Peak
6	7811.00	-77.97	36.66	31.04	11.03	-61.32	-41.30	-20.02	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	8000.00	-90.54	36.70	31.13	11.14	-73.83	-41.30	-32.53	Average
2	8000.00	-78.39	36.70	31.13	11.14	-61.68	-41.30	-20.38	Peak
3	9230.00	-90.57	36.99	32.43	12.07	-73.94	-41.30	-32.64	Average
4	9230.00	-78.25	36.99	32.43	12.07	-61.62	-41.30	-20.32	Peak
5	14280.00	-91.84	40.36	35.01	15.44	-71.05	-51.30	-19.75	Average
6	14280.00	-79.78	40.36	35.01	15.44	-58.99	-51.30	-7.69	Peak
7	15680.00	-92.48	43.33	35.60	16.71	-68.04	-51.30	-16.74	Average
8	15680.00	-80.37	43.33	35.60	16.71	-55.93	-51.30	-4.63	Peak
9	16390.00	-93.60	44.53	35.92	17.40	-67.59	-51.30	-16.29	Average
10	16390.00	-80.22	44.53	35.92	17.40	-54.21	-51.30	-2.91	Peak
11	17960.00	-94.58	44.57	37.67	19.65	-68.03	-51.30	-16.73	Average
12	17960.00	-80.27	44.57	37.67	19.65	-53.72	-51.30	-2.42	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

3. The higher frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line and was not reported.

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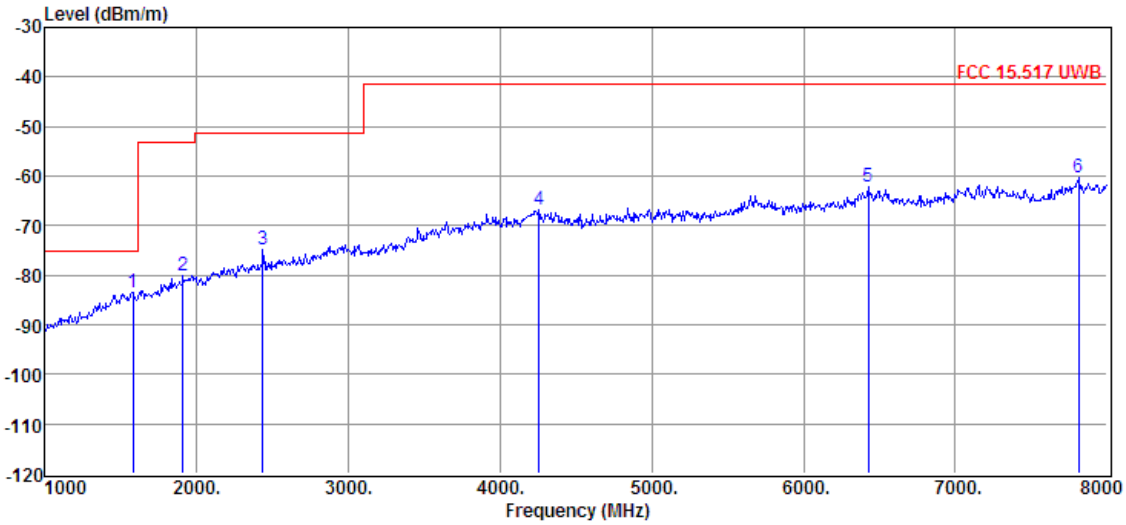
EUT	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Polar	Horizontal

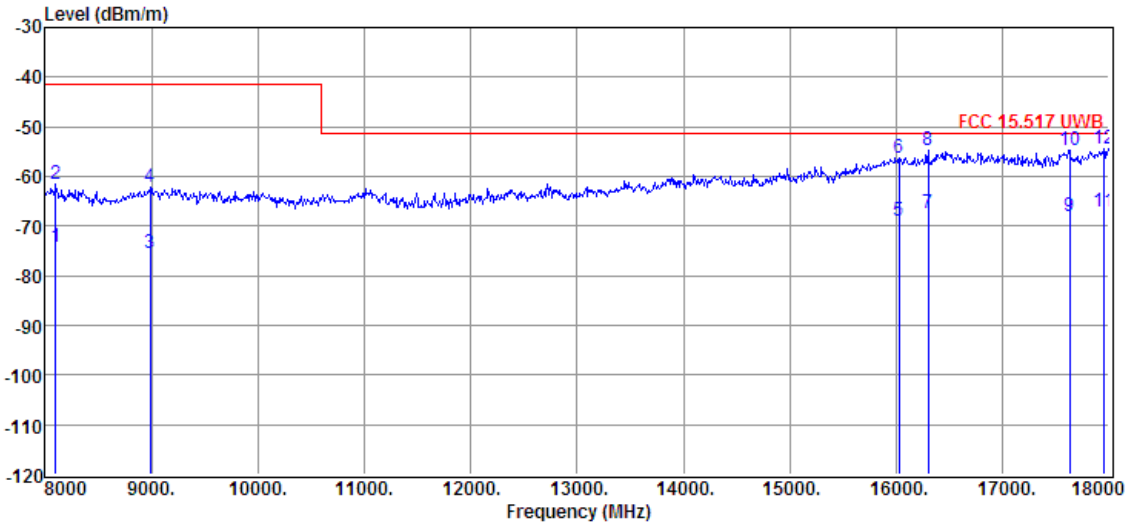
1G~8G:



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1581.00	-85.51	26.06	29.09	5.00	-83.54	-75.30	-8.24	Peak
2	1910.00	-84.29	27.70	29.00	5.40	-80.19	-53.30	-26.89	Peak
3	2435.00	-81.24	29.95	29.54	6.08	-74.75	-51.30	-23.45	Peak
4	4255.00	-79.09	33.61	29.10	7.89	-66.69	-41.30	-25.39	Peak
5	6425.00	-78.07	35.68	29.70	9.90	-62.19	-41.30	-20.89	Peak
6	7811.00	-77.10	36.66	31.04	11.03	-60.45	-41.30	-19.15	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	8100.00	-90.65	36.41	31.22	11.23	-74.23	-41.30	-32.93	Average
2	8100.00	-77.85	36.41	31.22	11.23	-61.43	-41.30	-20.13	Peak
3	8990.00	-92.36	37.46	32.32	11.81	-75.41	-41.30	-34.11	Average
4	8990.00	-79.11	37.46	32.32	11.81	-62.16	-41.30	-20.86	Peak
5	16030.00	-94.58	43.95	35.53	17.08	-69.08	-51.30	-17.78	Average
6	16030.00	-81.72	43.95	35.53	17.08	-56.22	-51.30	-4.92	Peak
7	16300.00	-93.35	44.38	35.80	17.32	-67.45	-51.30	-16.15	Average
8	16300.00	-80.50	44.38	35.80	17.32	-54.60	-51.30	-3.30	Peak
9	17630.00	-92.99	43.45	37.37	19.00	-67.91	-51.30	-16.61	Average
10	17630.00	-79.90	43.45	37.37	19.00	-54.82	-51.30	-3.52	Peak
11	17950.00	-93.64	44.53	37.67	19.62	-67.16	-51.30	-15.86	Average
12	17950.00	-80.87	44.53	37.67	19.62	-54.39	-51.30	-3.09	Peak

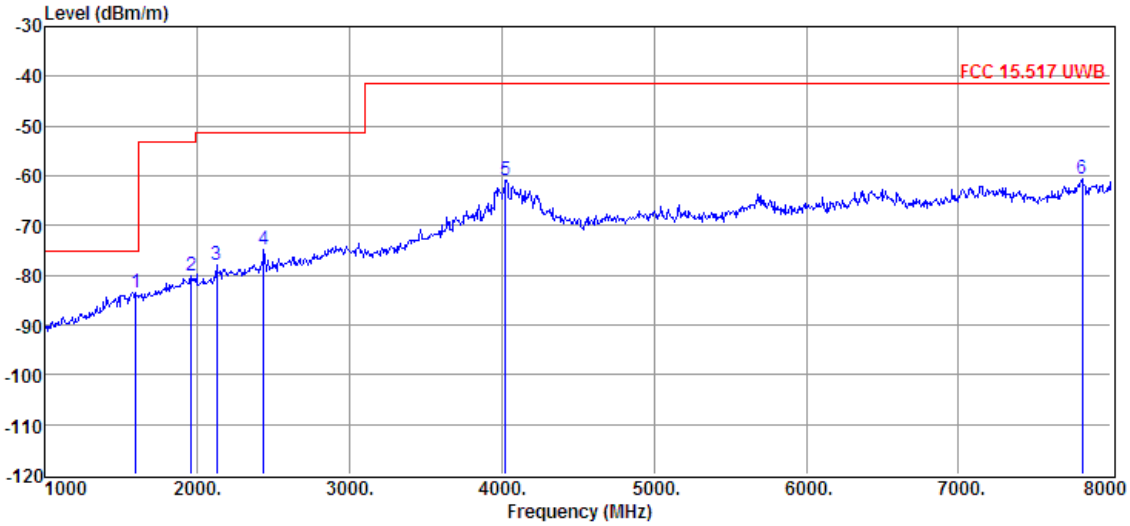
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

3. The higher frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line and was not reported.

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Polar	Vertical

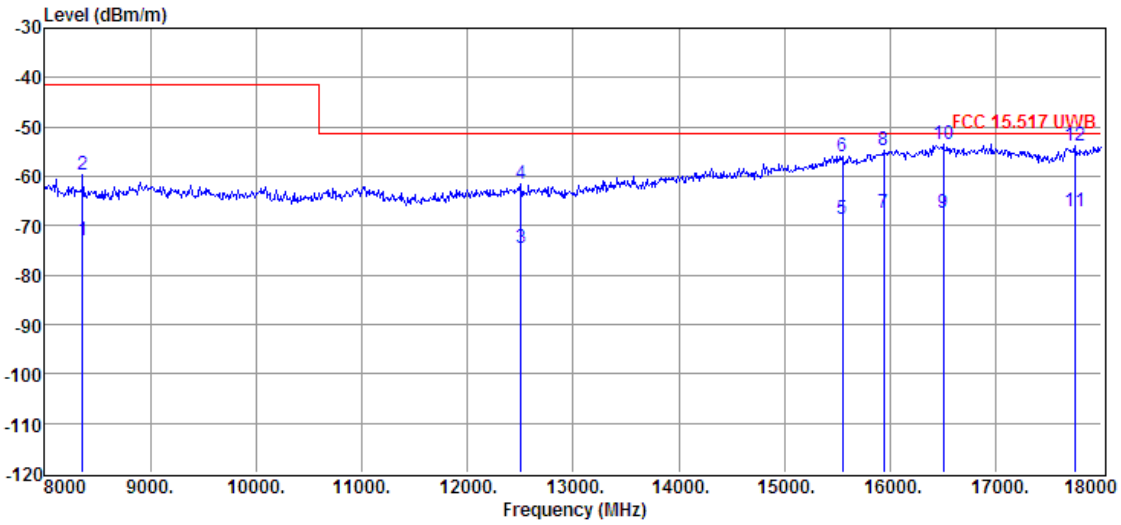
1G~8G:



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1595.00	-85.45	26.13	29.08	5.03	-83.37	-75.30	-8.07	Peak
2	1959.00	-84.43	27.92	29.00	5.45	-80.06	-53.30	-26.76	Peak
3	2127.00	-83.37	28.68	29.08	5.68	-78.09	-51.30	-26.79	Peak
4	2435.00	-81.22	29.95	29.54	6.08	-74.73	-51.30	-23.43	Peak
5	4024.00	-72.89	33.42	29.04	7.63	-60.88	-41.30	-19.58	Peak
6	7811.00	-77.26	36.66	31.04	11.03	-60.61	-41.30	-19.31	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	8360.00	-88.65	35.68	31.51	11.51	-72.97	-41.30	-31.67	Average
2	8360.00	-75.22	35.68	31.51	11.51	-59.54	-41.30	-18.24	Peak
3	12510.00	-92.35	38.31	35.26	14.64	-74.66	-51.30	-23.36	Average
4	12510.00	-79.33	38.31	35.26	14.64	-61.64	-51.30	-10.34	Peak
5	15550.00	-92.65	43.09	35.66	16.57	-68.65	-51.30	-17.35	Average
6	15550.00	-79.98	43.09	35.66	16.57	-55.98	-51.30	-4.68	Peak
7	15940.00	-92.68	43.79	35.50	16.98	-67.41	-51.30	-16.11	Average
8	15940.00	-79.93	43.79	35.50	16.98	-54.66	-51.30	-3.36	Peak
9	16500.00	-93.65	44.70	36.06	17.51	-67.50	-51.30	-16.20	Average
10	16500.00	-79.68	44.70	36.06	17.51	-53.53	-51.30	-2.23	Peak
11	17750.00	-92.68	43.86	37.49	19.24	-67.07	-51.30	-15.77	Average
12	17750.00	-79.36	43.86	37.49	19.24	-53.75	-51.30	-2.45	Peak

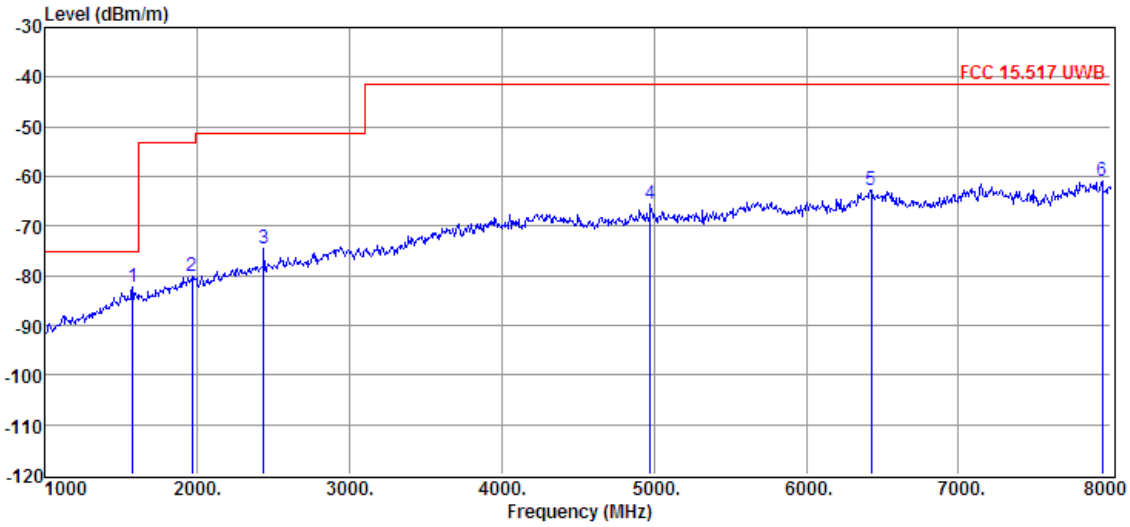
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

3. The higher frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line and was not reported.

EUT	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Polar	Horizontal

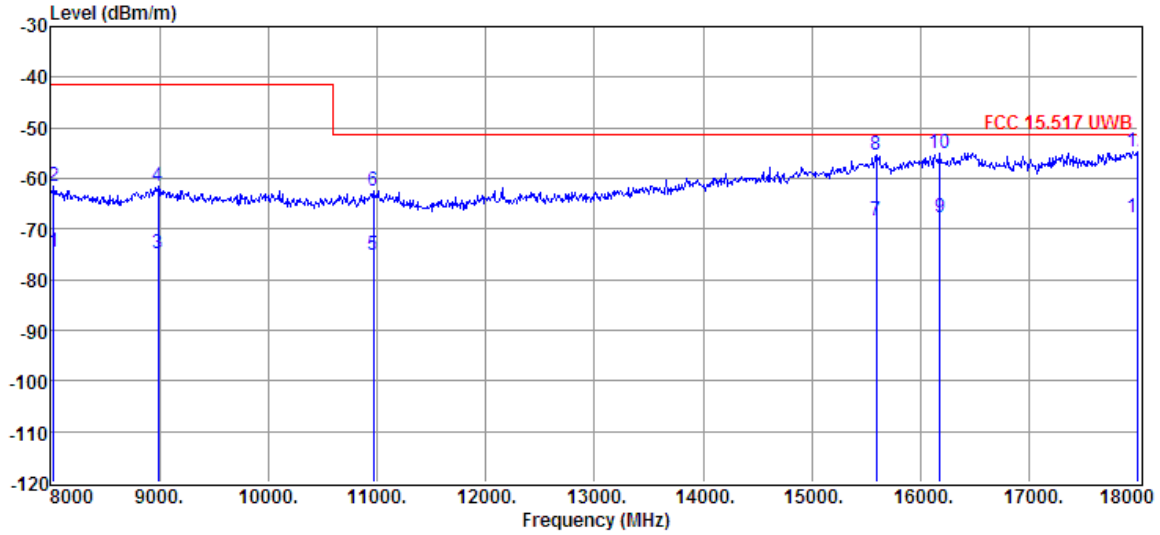
1G~8G:



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1574.00	-84.32	26.02	29.09	5.00	-82.39	-75.30	-7.09	Peak
2	1966.00	-84.59	27.95	28.99	5.47	-80.16	-53.30	-26.86	Peak
3	2435.00	-80.94	29.95	29.54	6.08	-74.45	-51.30	-23.15	Peak
4	4976.00	-78.57	33.70	29.35	8.65	-65.57	-41.30	-24.27	Peak
5	6425.00	-78.53	35.68	29.70	9.90	-62.65	-41.30	-21.35	Peak
6	7944.00	-77.71	36.69	31.11	11.10	-61.03	-41.30	-19.73	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	8030.00	-91.21	36.61	31.17	11.16	-74.61	-41.30	-33.31	Average
2	8030.00	-78.29	36.61	31.17	11.16	-61.69	-41.30	-20.39	Peak
3	8990.00	-91.69	37.46	32.32	11.81	-74.74	-41.30	-33.44	Average
4	8990.00	-78.55	37.46	32.32	11.81	-61.60	-41.30	-20.30	Peak
5	10970.00	-92.36	37.72	33.92	13.45	-75.11	-51.30	-23.81	Average
6	10970.00	-79.73	37.72	33.92	13.45	-62.48	-51.30	-11.18	Peak
7	15590.00	-92.34	43.16	35.64	16.61	-68.21	-51.30	-16.91	Average
8	15590.00	-79.64	43.16	35.64	16.61	-55.51	-51.30	-4.21	Peak
9	16180.00	-93.64	44.19	35.65	17.22	-67.88	-51.30	-16.58	Average
10	16180.00	-80.73	44.19	35.65	17.22	-54.97	-51.30	-3.67	Peak
11	17990.00	-94.39	44.67	37.71	19.69	-67.74	-51.30	-16.44	Average
12	17990.00	-81.33	44.67	37.71	19.69	-54.68	-51.30	-3.38	Peak

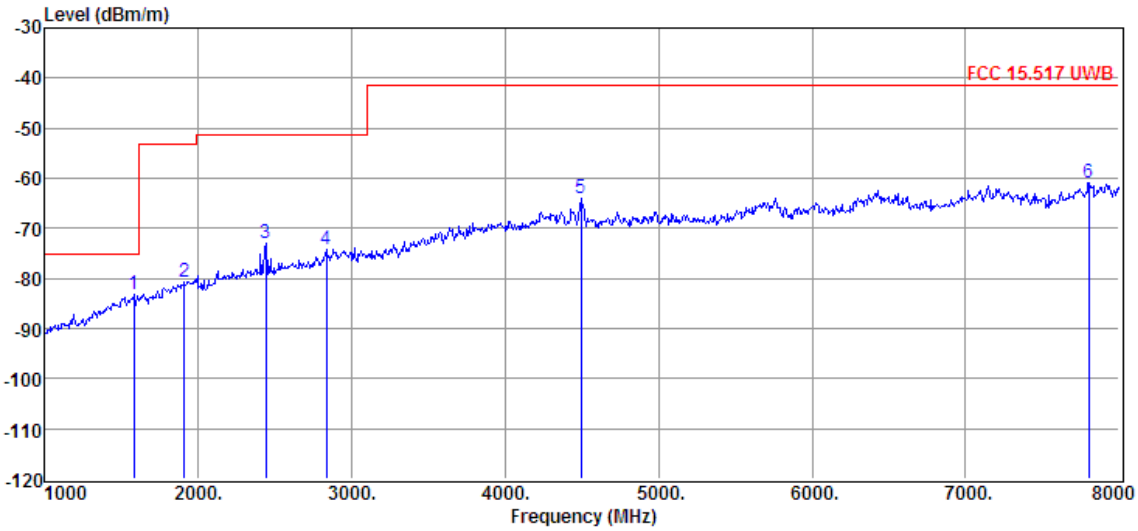
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

3. The higher frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line and was not reported.

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Polar	Vertical

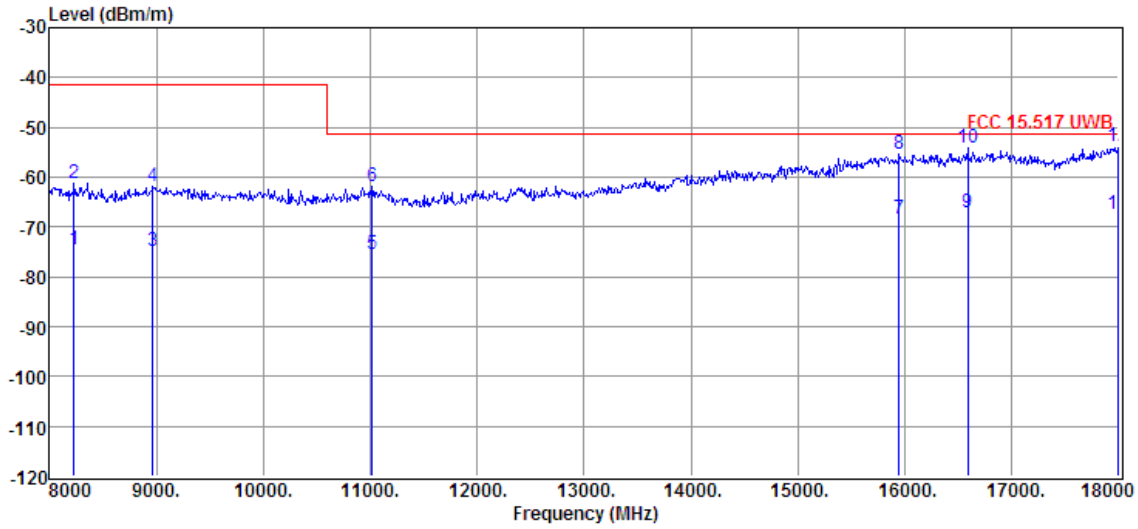
1G~8G:



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1581.00	-85.32	26.06	29.09	5.00	-83.35	-75.30	-8.05	Peak
2	1910.00	-84.87	27.70	29.00	5.40	-80.77	-53.30	-27.47	Peak
3	2442.00	-79.36	29.98	29.57	6.08	-72.87	-51.30	-21.57	Peak
4	2834.00	-81.77	31.23	30.12	6.57	-74.09	-51.30	-22.79	Peak
5	4493.00	-76.59	33.79	29.21	8.14	-63.87	-41.30	-22.57	Peak
6	7804.00	-77.46	36.66	31.04	11.03	-60.81	-41.30	-19.51	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	8230.00	-90.55	36.05	31.33	11.36	-74.47	-41.30	-33.17	Average
2	8230.00	-77.37	36.05	31.33	11.36	-61.29	-41.30	-19.99	Peak
3	8970.00	-91.59	37.37	32.30	11.80	-74.72	-41.30	-33.42	Average
4	8970.00	-78.87	37.37	32.30	11.80	-62.00	-41.30	-20.70	Peak
5	11020.00	-92.69	37.76	33.98	13.49	-75.42	-51.30	-24.12	Average
6	11020.00	-79.18	37.76	33.98	13.49	-61.91	-51.30	-10.61	Peak
7	15950.00	-93.68	43.81	35.50	17.00	-68.37	-51.30	-17.07	Average
8	15950.00	-80.72	43.81	35.50	17.00	-55.41	-51.30	-4.11	Peak
9	16590.00	-93.17	44.55	36.21	17.67	-67.16	-51.30	-15.86	Average
10	16590.00	-80.09	44.55	36.21	17.67	-54.08	-51.30	-2.78	Peak
11	18000.00	-94.05	44.70	37.71	19.72	-67.34	-51.30	-16.04	Average
12	18000.00	-80.49	44.70	37.71	19.72	-53.78	-51.30	-2.48	Peak

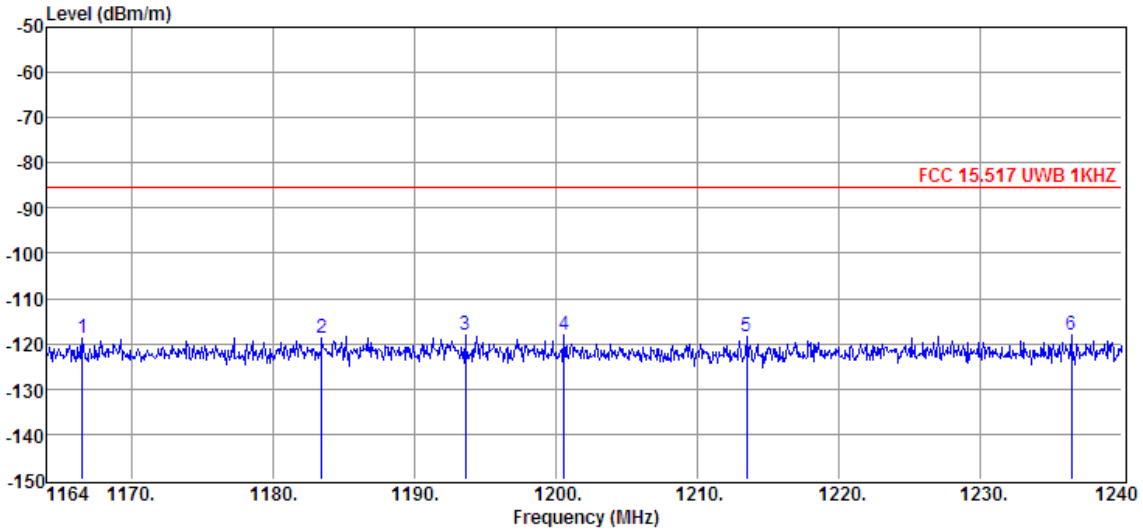
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

3. The higher frequency, which started from 18GHz to 40GHz, was pre-scanned and the result which was 20dB lower than the limit line and was not reported.

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Polar	Horizontal

1164MHz~1240MHz:

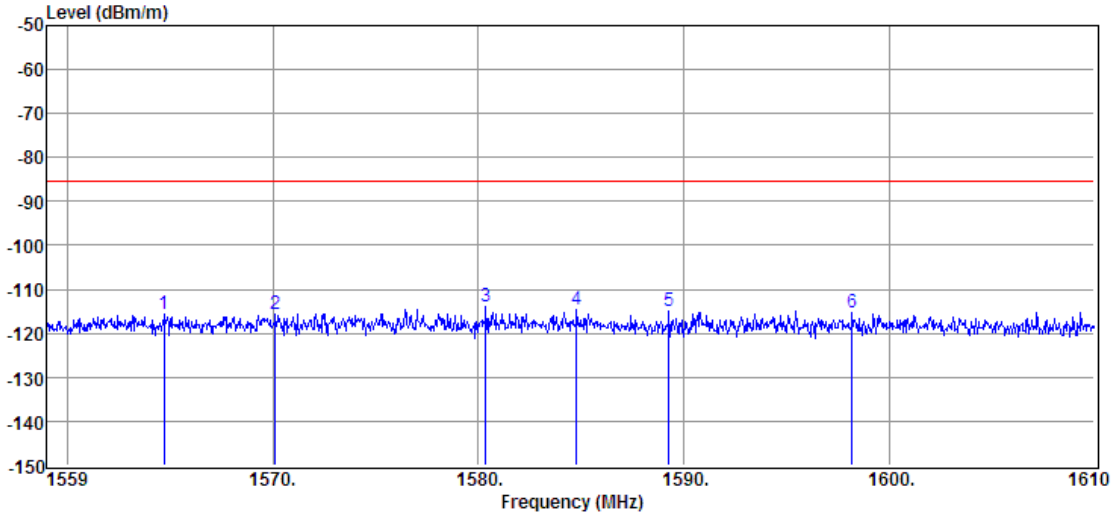


Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1166.51	-117.14	23.80	29.46	4.10	-118.70	-85.30	-33.40	Peak
2	1183.46	-117.16	23.90	29.45	4.14	-118.57	-85.30	-33.27	Peak
3	1193.56	-116.66	23.97	29.45	4.19	-117.95	-85.30	-32.65	Peak
4	1200.56	-116.84	24.01	29.44	4.19	-118.08	-85.30	-32.78	Peak
5	1213.48	-117.14	24.08	29.44	4.23	-118.27	-85.30	-32.97	Peak
6	1236.43	-117.07	24.22	29.43	4.27	-118.01	-85.30	-32.71	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

1559MHz-1610MHz:



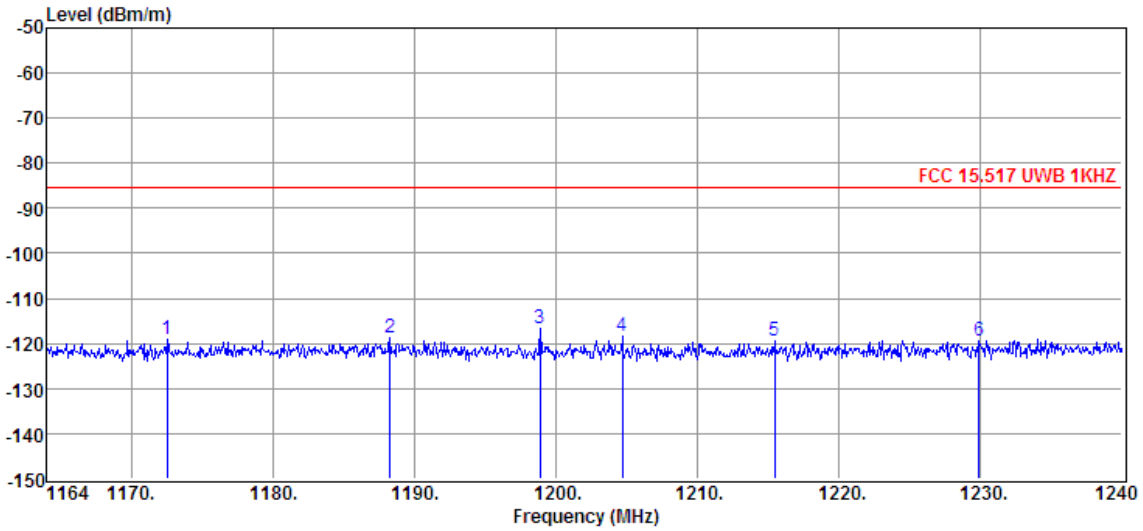
Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1564.71	-117.55	25.97	29.10	4.98	-115.70	-85.30	-30.40	Peak
2	1570.12	-117.40	26.00	29.10	5.00	-115.50	-85.30	-30.20	Peak
3	1580.37	-115.97	26.05	29.09	5.00	-114.01	-85.30	-28.71	Peak
4	1584.81	-116.56	26.08	29.09	5.03	-114.54	-85.30	-29.24	Peak
5	1589.29	-117.03	26.10	29.09	5.03	-114.99	-85.30	-29.69	Peak
6	1598.22	-117.47	26.15	29.08	5.03	-115.37	-85.30	-30.07	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Polar	Vertical

1164MHz~1240MHz:

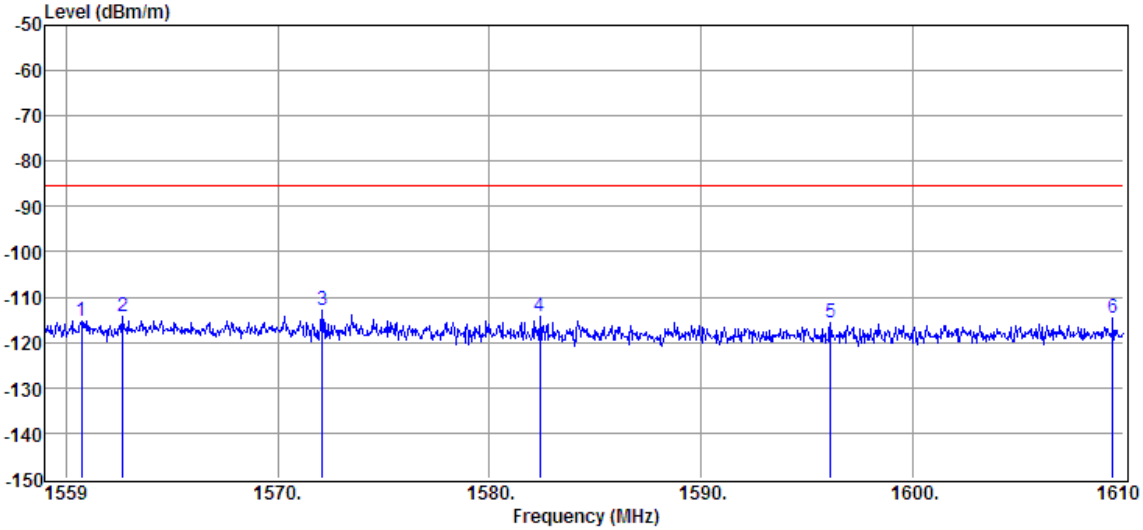


Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1172.51	-117.71	23.84	29.45	4.14	-119.18	-85.30	-33.88	Peak
2	1188.24	-117.45	23.93	29.45	4.14	-118.83	-85.30	-33.53	Peak
3	1198.88	-115.53	24.00	29.44	4.19	-116.78	-85.30	-31.48	Peak
4	1204.66	-117.33	24.03	29.44	4.19	-118.55	-85.30	-33.25	Peak
5	1215.45	-118.22	24.10	29.43	4.23	-119.32	-85.30	-34.02	Peak
6	1229.89	-118.30	24.18	29.43	4.27	-119.28	-85.30	-33.98	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

1559MHz-1610MHz:



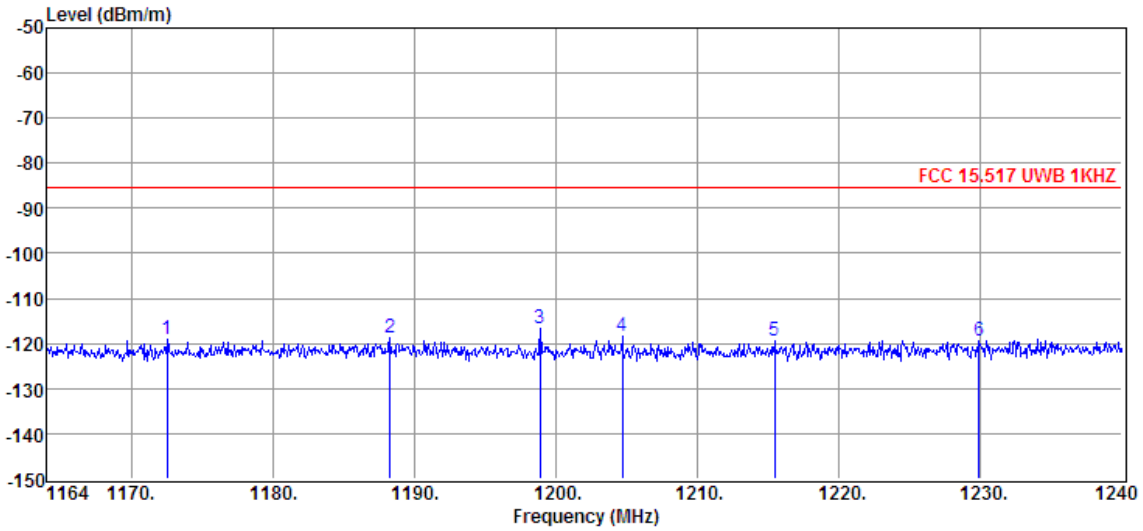
Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1560.73	-117.11	25.94	29.10	4.98	-115.29	-85.30	-29.99	Peak
2	1562.67	-115.94	25.96	29.10	4.98	-114.10	-85.30	-28.80	Peak
3	1572.11	-114.89	26.01	29.09	5.00	-112.97	-85.30	-27.67	Peak
4	1582.41	-116.12	26.06	29.09	5.00	-114.15	-85.30	-28.85	Peak
5	1596.13	-117.69	26.14	29.08	5.03	-115.60	-85.30	-30.30	Peak
6	1609.49	-116.85	26.21	29.08	5.05	-114.67	-85.30	-29.37	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Polar	Horizontal

1164MHz~1240MHz:

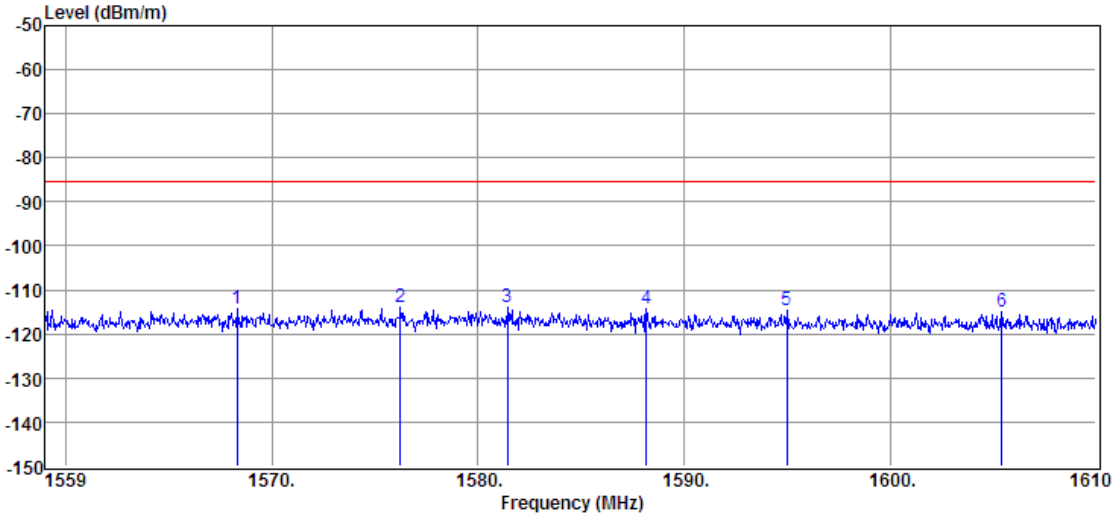


Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1172.51	-117.71	23.84	29.45	4.14	-119.18	-85.30	-33.88	Peak
2	1188.24	-117.45	23.93	29.45	4.14	-118.83	-85.30	-33.53	Peak
3	1198.88	-115.53	24.00	29.44	4.19	-116.78	-85.30	-31.48	Peak
4	1204.66	-117.33	24.03	29.44	4.19	-118.55	-85.30	-33.25	Peak
5	1215.45	-118.22	24.10	29.43	4.23	-119.32	-85.30	-34.02	Peak
6	1229.89	-118.30	24.18	29.43	4.27	-119.28	-85.30	-33.98	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

1559MHz-1610MHz:



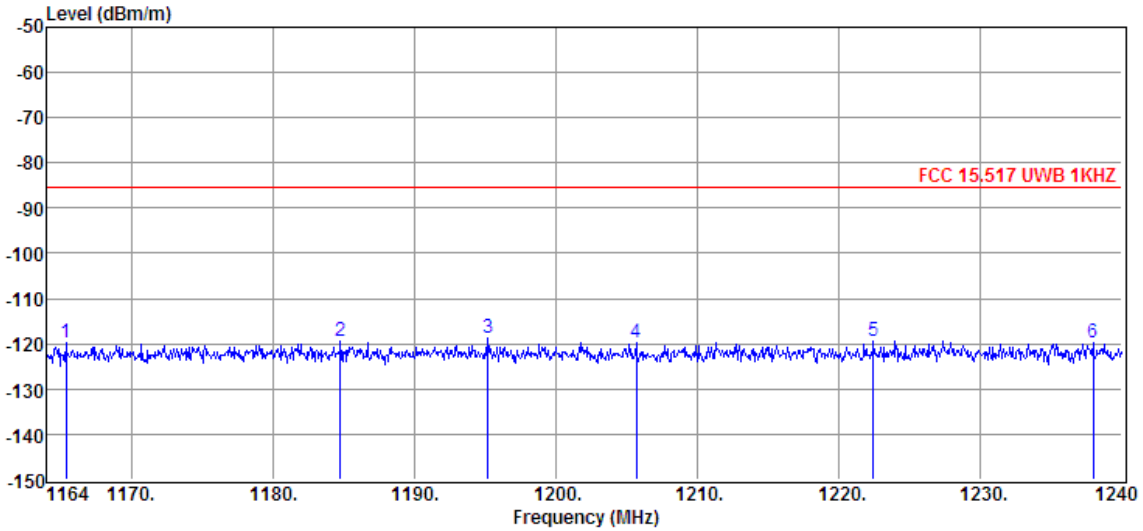
Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1568.33	-116.10	25.99	29.10	5.00	-114.21	-85.30	-28.91	Peak
2	1576.24	-115.97	26.03	29.09	5.00	-114.03	-85.30	-28.73	Peak
3	1581.44	-115.80	26.06	29.09	5.00	-113.83	-85.30	-28.53	Peak
4	1588.17	-116.38	26.10	29.09	5.03	-114.34	-85.30	-29.04	Peak
5	1595.01	-116.82	26.13	29.08	5.03	-114.74	-85.30	-29.44	Peak
6	1605.41	-117.04	26.19	29.08	5.05	-114.88	-85.30	-29.58	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Polar	Vertical

1164MHz~1240MHz:

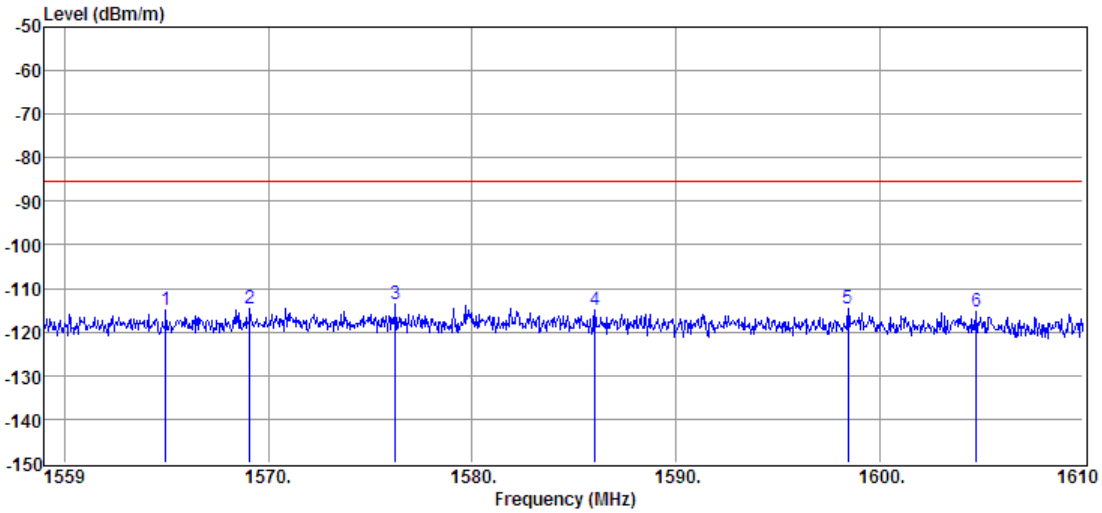


Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1165.37	-118.13	23.79	29.46	4.10	-119.70	-85.30	-34.40	Peak
2	1184.75	-118.13	23.91	29.45	4.14	-119.53	-85.30	-34.23	Peak
3	1195.16	-117.60	23.98	29.44	4.19	-118.87	-85.30	-33.57	Peak
4	1205.65	-118.64	24.04	29.44	4.19	-119.85	-85.30	-34.55	Peak
5	1222.44	-118.29	24.14	29.43	4.23	-119.35	-85.30	-34.05	Peak
6	1237.95	-118.68	24.23	29.42	4.27	-119.60	-85.30	-34.30	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

1559MHz-1610MHz:



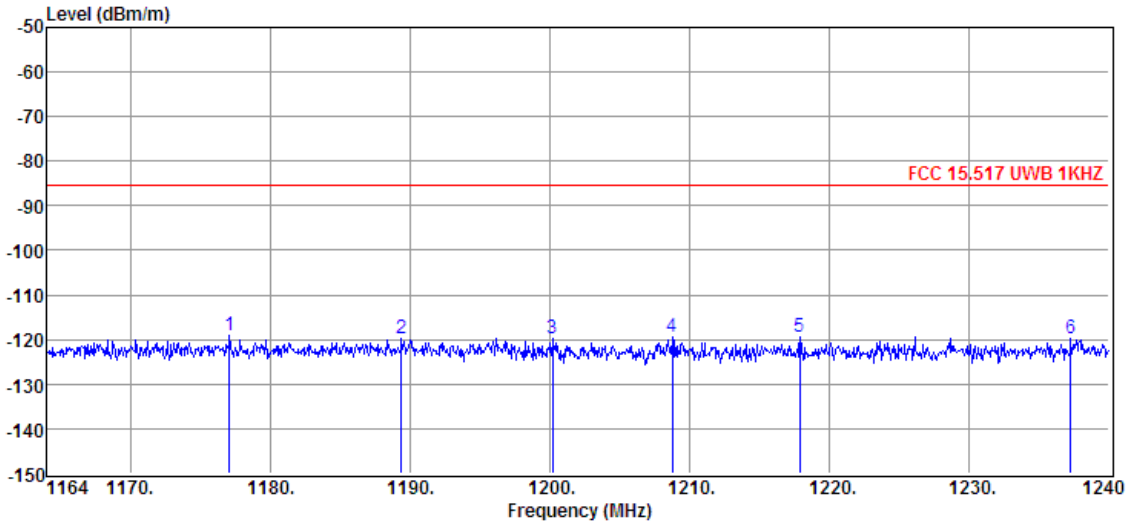
Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1564.97	-116.86	25.97	29.10	4.98	-115.01	-85.30	-29.71	Peak
2	1569.10	-116.42	25.99	29.10	5.00	-114.53	-85.30	-29.23	Peak
3	1576.24	-115.39	26.03	29.09	5.00	-113.45	-85.30	-28.15	Peak
4	1586.03	-117.03	26.08	29.09	5.03	-115.01	-85.30	-29.71	Peak
5	1598.47	-116.66	26.15	29.08	5.03	-114.56	-85.30	-29.26	Peak
6	1604.75	-117.55	26.19	29.08	5.05	-115.39	-85.30	-30.09	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Polar	Horizontal

1164MHz~1240MHz:

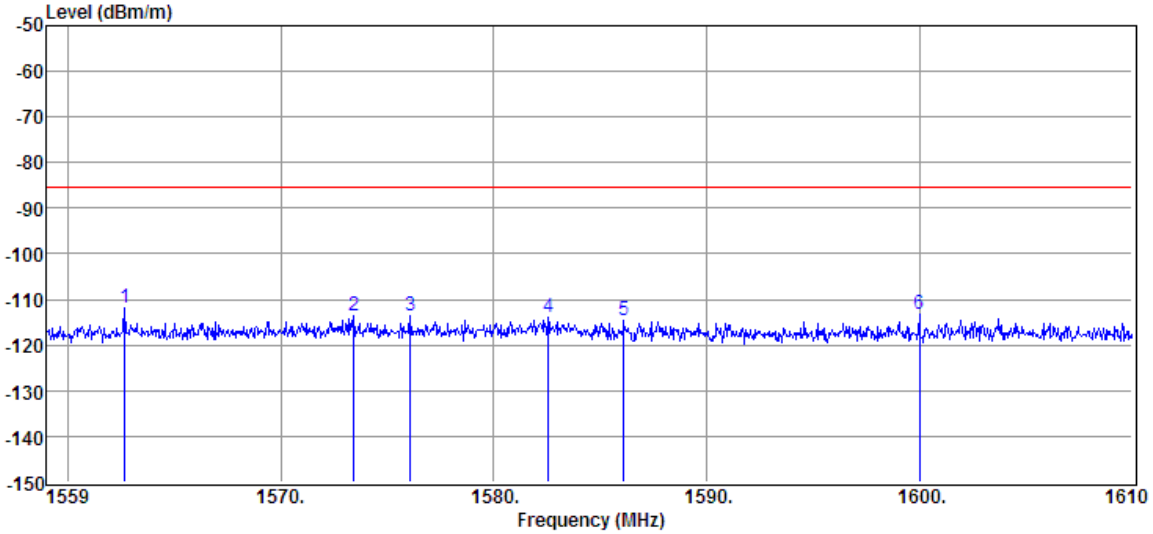


Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1177.07	-117.76	23.87	29.45	4.14	-119.20	-85.30	-33.90	Peak
2	1189.38	-118.35	23.94	29.45	4.19	-119.67	-85.30	-34.37	Peak
3	1200.18	-118.50	24.01	29.44	4.19	-119.74	-85.30	-34.44	Peak
4	1208.76	-118.42	24.06	29.44	4.23	-119.57	-85.30	-34.27	Peak
5	1217.88	-118.23	24.11	29.43	4.23	-119.32	-85.30	-34.02	Peak
6	1237.26	-118.86	24.22	29.42	4.27	-119.79	-85.30	-34.49	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

1559MHz-1610MHz:



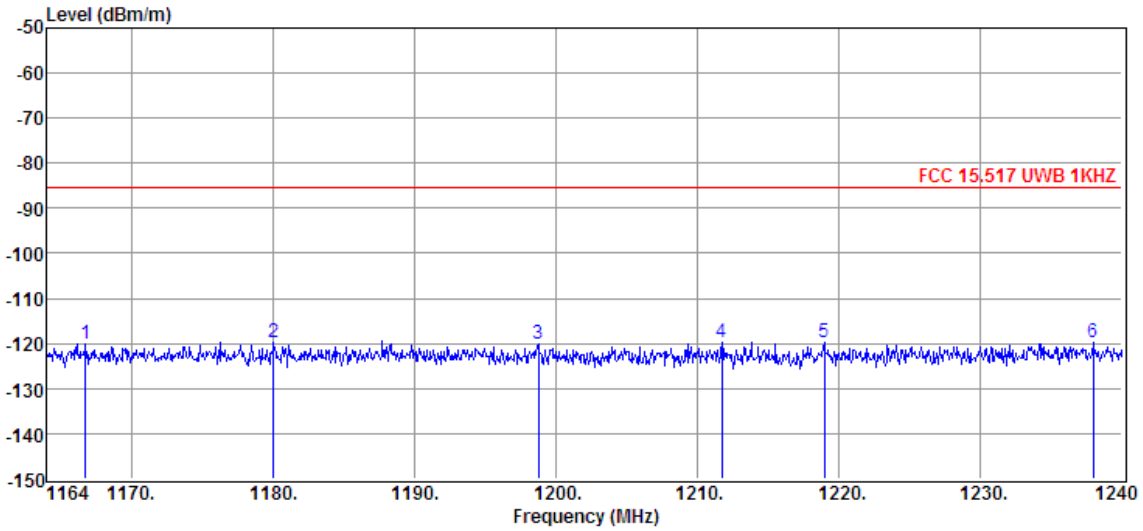
Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1562.67	-113.53	25.96	29.10	4.98	-111.69	-85.30	-26.39	Peak
2	1573.43	-115.63	26.02	29.09	5.00	-113.70	-85.30	-28.40	Peak
3	1576.09	-115.68	26.03	29.09	5.00	-113.74	-85.30	-28.44	Peak
4	1582.56	-115.76	26.07	29.09	5.00	-113.78	-85.30	-28.48	Peak
5	1586.13	-116.78	26.09	29.09	5.03	-114.75	-85.30	-29.45	Peak
6	1600.00	-115.42	26.16	29.08	5.03	-113.31	-85.30	-28.01	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Polar	Vertical

1164MHz~1240MHz:

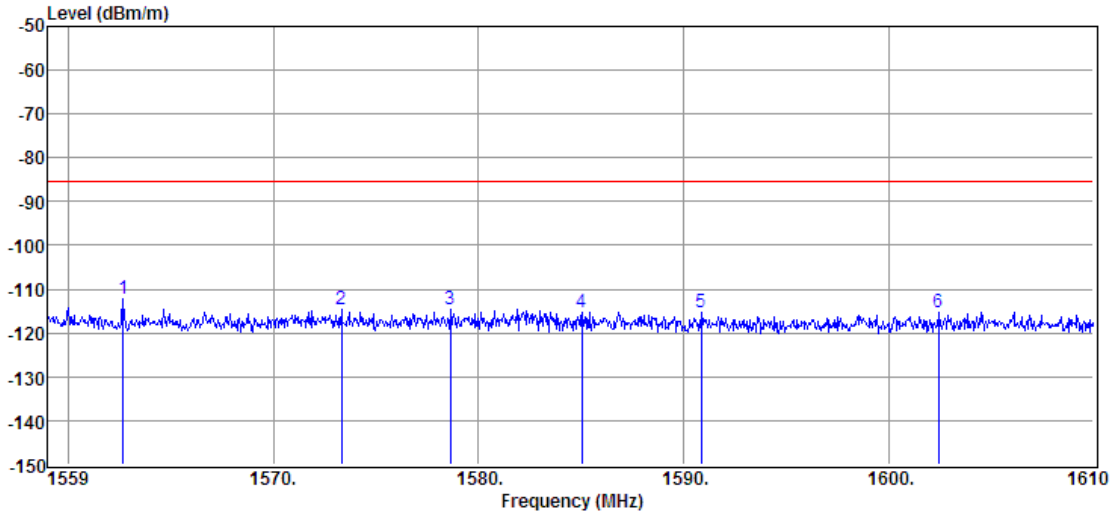


Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1166.74	-118.47	23.80	29.46	4.10	-120.03	-85.30	-34.73	Peak
2	1180.04	-118.42	23.88	29.45	4.14	-119.85	-85.30	-34.55	Peak
3	1198.73	-119.01	24.00	29.44	4.19	-120.26	-85.30	-34.96	Peak
4	1211.73	-118.52	24.07	29.44	4.23	-119.66	-85.30	-34.36	Peak
5	1218.95	-118.54	24.12	29.43	4.23	-119.62	-85.30	-34.32	Peak
6	1237.95	-118.75	24.23	29.42	4.27	-119.67	-85.30	-34.37	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

1559MHz-1610MHz:



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm)	Limit Line (dBm)	Over Limit (dB)	Detector
1	1562.67	-113.96	25.96	29.10	4.98	-112.12	-85.30	-26.82	Peak
2	1573.33	-116.49	26.01	29.09	5.00	-114.57	-85.30	-29.27	Peak
3	1578.64	-116.46	26.04	29.09	5.00	-114.51	-85.30	-29.21	Peak
4	1585.06	-117.20	26.08	29.09	5.03	-115.18	-85.30	-29.88	Peak
5	1590.88	-117.34	26.11	29.08	5.03	-115.28	-85.30	-29.98	Peak
6	1602.45	-117.41	26.17	29.08	5.05	-115.27	-85.30	-29.97	Peak

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss-PRM Factor

2. Test setup: RBW: 1 MHz, VBW: 1 MHz, Sweep time: auto

7. TRANSMITTER RADIATED POWER (EIRP/ERP)

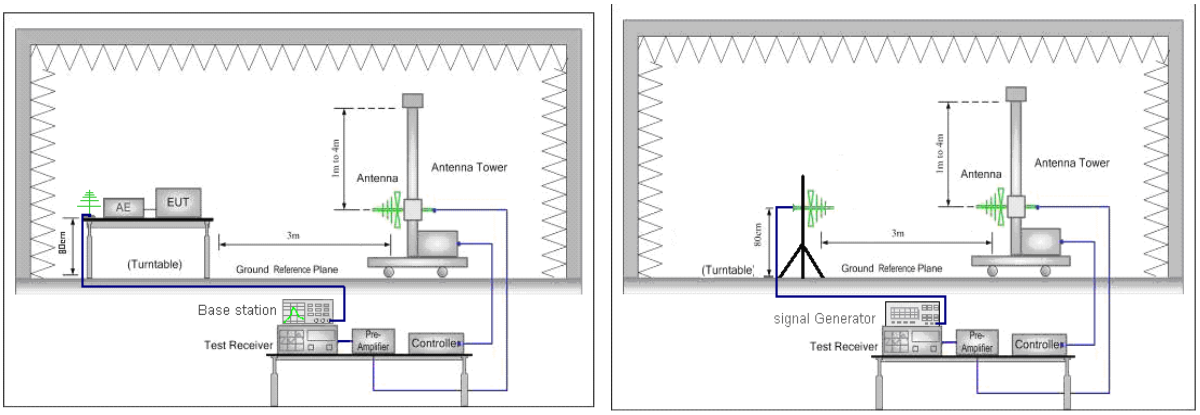
7.1. REQUIREMENT

Please refer to FCC §15.517 (e)
There is a limit on the peak level of the emissions contained within a 50 MHz bandwidth centered on the frequency at which the highest radiated emission occurs, fM. That limit is 0 dBm EIRP. It is acceptable to employ a different resolution bandwidth, and a correspondingly different peak emission limit, following the procedures described in §15.521.

According to FCC §15.521 (g)
When a peak measurement is required, it is acceptable to use a resolution bandwidth other than the 50 MHz specified in this subpart. This resolution bandwidth shall not be lower than 1 MHz or greater than 50 MHz, and the measurement shall be centered on the frequency at which the highest radiated emission occurs, fM. If a resolution bandwidth other than 50 MHz is employed, the peak EIRP limit shall be 20 log (RBW/50) dBm where RBW is the resolution bandwidth in megahertz that is employed. This may be converted to a peak field strength level at 3 meters using E(dBuV/m) = P(dBm EIRP) + 95.2.

When the test RBW = 1MHz, the 0 dBm EIRP limit should be 0+20 log (1/50)=-33.98dBm

7.2. TEST SETUP



Note: 1. The setup above is for below 1GHz test.
2. For above 1GHz test, change the Trilog Broadband antenna to horn antenna and the EUT placed on a 1.5m high table.

7.3. TEST PROCEDURES

1). The EUT was powered ON and placed on a 1.5m high table in a semi-anechoic chamber.

2). Adjust the settings of the Universal Radio Communication Tester to set the EUT to its maximum power at the required channel.

3). Set the spectrum analyzer to the channel frequency. Set the analyzer to measure peak hold with the required settings.

4).The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.

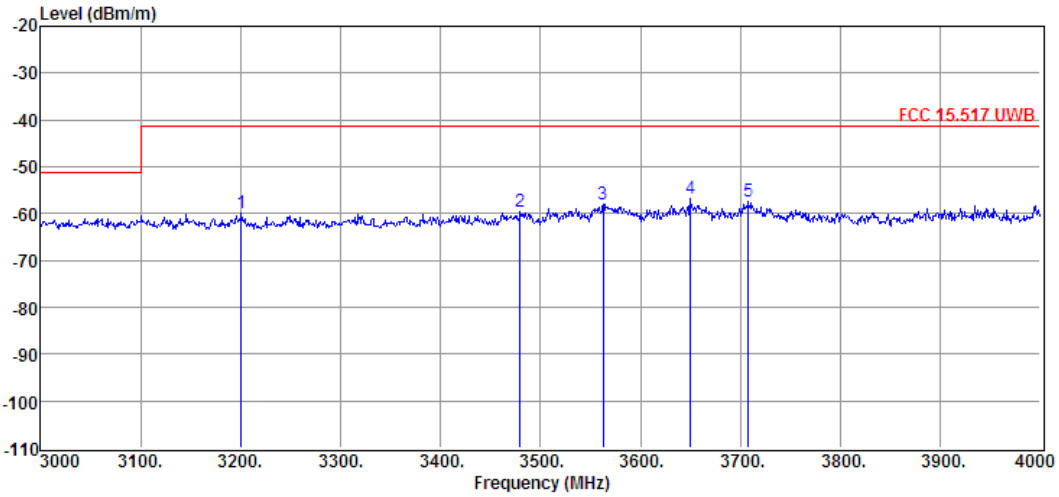
4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.

5. Corrected Reading: Antenna Factor + Cable Loss + Read Level - Preamp Factor = Level

6. This may be converted to a peak field strength level at 3 meters using E(dBuV/m) = P(dBm EIRP) + 95.2.

7.4. TEST RESULT

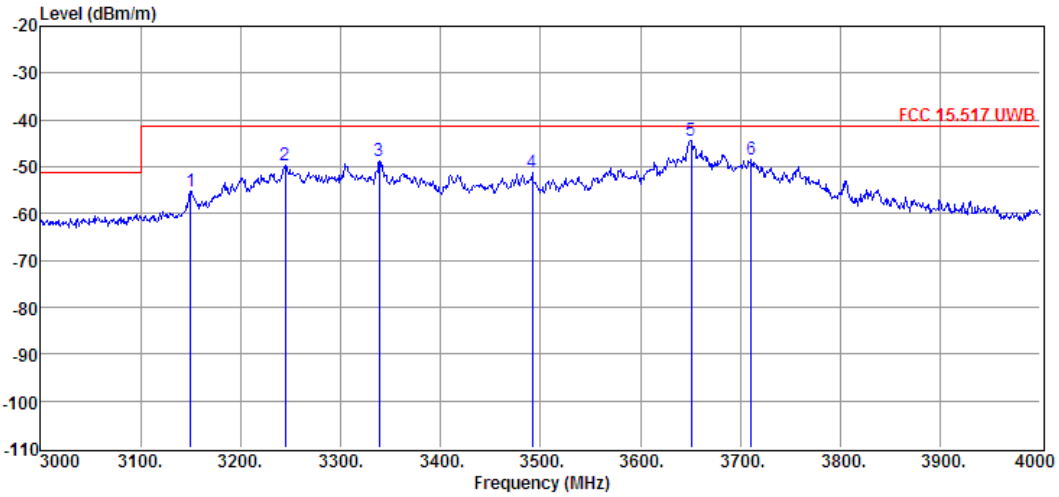
EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Polar	Horizontal



Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	3201.00	-68.56	31.78	6.98	-59.85	-41.30	-18.55	EIRP
2	3480.00	-69.07	31.89	7.28	-59.49	-41.30	-18.19	EIRP
3	3563.00	-67.97	32.10	7.33	-57.94	-41.30	-16.64	EIRP
4	3650.00	-67.43	32.37	7.39	-56.96	-41.30	-15.66	EIRP
5	3708.00	-68.12	32.55	7.42	-57.38	-41.30	-16.08	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

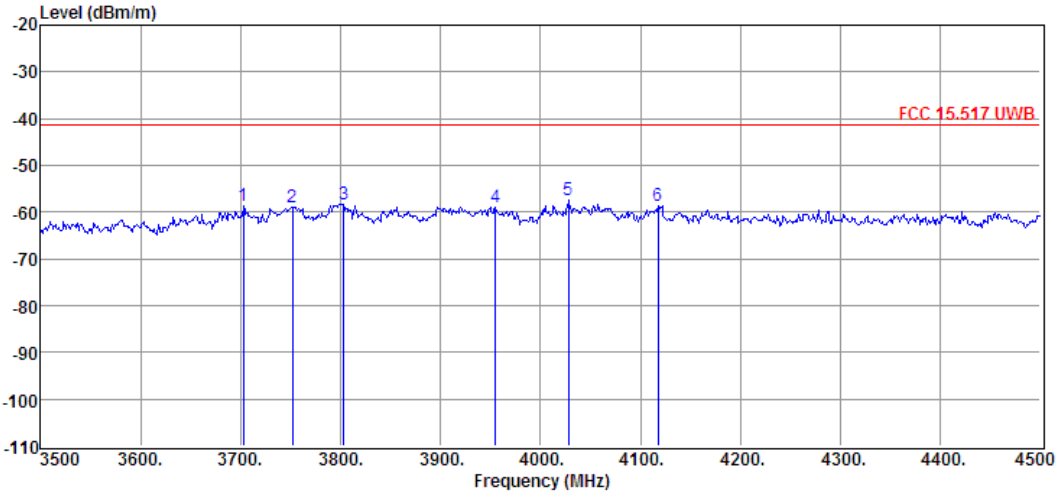
EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Polar	Vertical



Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	3150.00	-63.75	31.76	6.94	-55.15	-41.30	-13.85	EIRP
2	3245.00	-58.48	31.80	7.03	-49.66	-41.30	-8.36	EIRP
3	3339.00	-57.95	31.84	7.15	-48.84	-41.30	-7.54	EIRP
4	3492.00	-60.89	31.90	7.30	-51.25	-41.30	-9.95	EIRP
5	3651.00	-54.77	32.37	7.39	-44.30	-41.30	-3.00	EIRP
6	3711.00	-59.23	32.56	7.42	-48.48	-41.30	-7.18	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

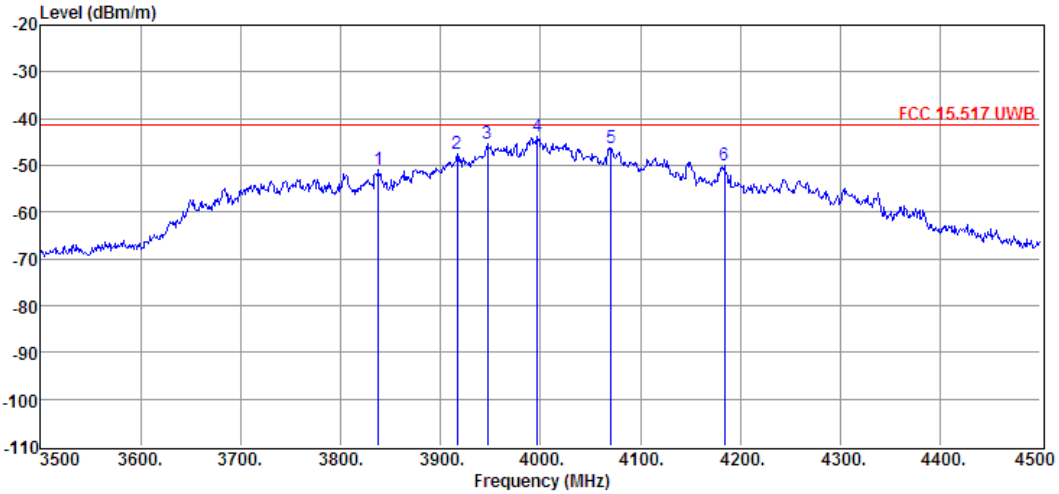
EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Polar	Horizontal



Item (Mark)	Freq. (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
5	4028.00	-69.32	33.42	29.04	7.63	-57.31	-33.98	-23.33	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

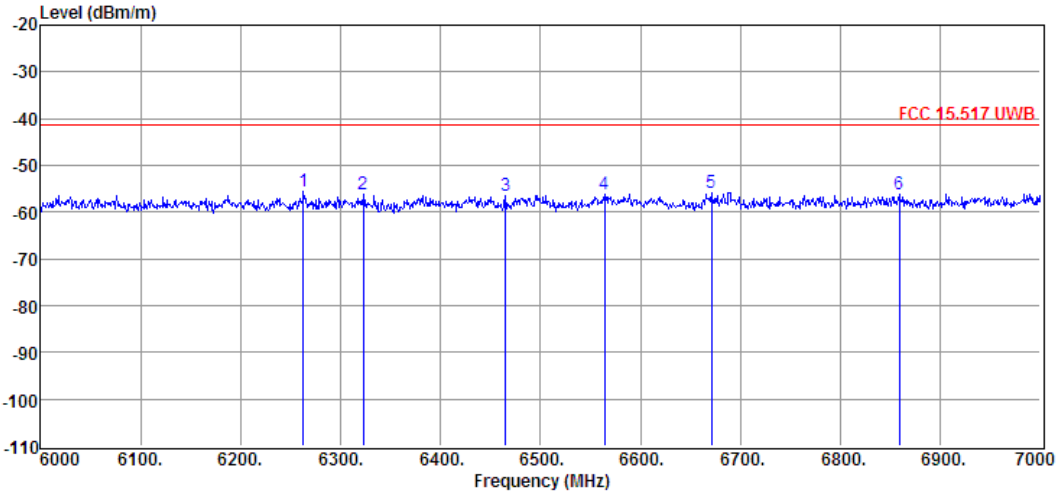
EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Polar	Vertical



Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	3838.00	-62.15	32.94	7.52	-50.82	-41.30	-9.52	EIRP
2	3917.00	-59.29	33.16	7.57	-47.65	-41.30	-6.35	EIRP
3	3947.00	-57.12	33.25	7.58	-45.36	-41.30	-4.06	EIRP
4	3997.00	-55.79	33.39	7.61	-43.84	-41.30	-2.54	EIRP
5	4071.00	-58.39	33.46	7.69	-46.29	-41.30	-4.99	EIRP
6	4184.00	-62.17	33.55	7.81	-49.89	-41.30	-8.59	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

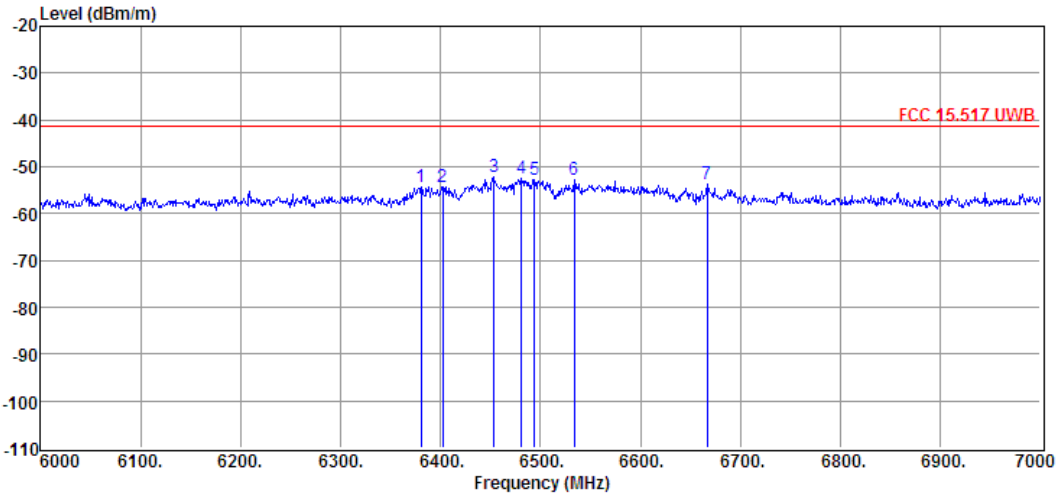
EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Polar	Horizontal



Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	6263.00	-71.28	35.43	9.82	-55.47	-41.30	-14.17	EIRP
2	6323.00	-72.03	35.52	9.85	-56.17	-41.30	-14.87	EIRP
3	6465.00	-72.26	35.75	9.93	-56.36	-41.30	-15.06	EIRP
4	6564.00	-72.04	35.85	10.01	-56.15	-41.30	-14.85	EIRP
5	6671.00	-71.74	35.94	10.12	-55.80	-41.30	-14.50	EIRP
6	6859.00	-72.14	36.09	10.28	-56.05	-41.30	-14.75	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.5°C	Relative Humidity:	63 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Polar	Vertical



Item (Mark)	Freq (MHz)	Read Level (dBm)	Antenna Factor (dB/m)	Cable Loss dB	Result Level (dBm	Limit Line (dBm)	Over Limit (dB)	Type
1	6381.00	-70.15	35.62	9.88	-54.25	-41.30	-12.95	EIRP
2	6402.00	-70.08	35.65	9.88	-54.21	-41.30	-12.91	EIRP
3	6454.00	-67.94	35.73	9.91	-52.04	-41.30	-10.74	EIRP
4	6481.00	-68.25	35.77	9.93	-52.38	-41.30	-11.08	EIRP
5	6494.00	-68.55	35.79	9.94	-52.65	-41.30	-11.35	EIRP
6	6534.00	-68.74	35.83	9.96	-52.85	-41.30	-11.55	EIRP
7	6667.00	-69.62	35.94	10.12	-53.66	-41.30	-12.36	EIRP

Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.
2. RBW: 1 MHz, VBW: 3 MHz, Sweep time: auto.

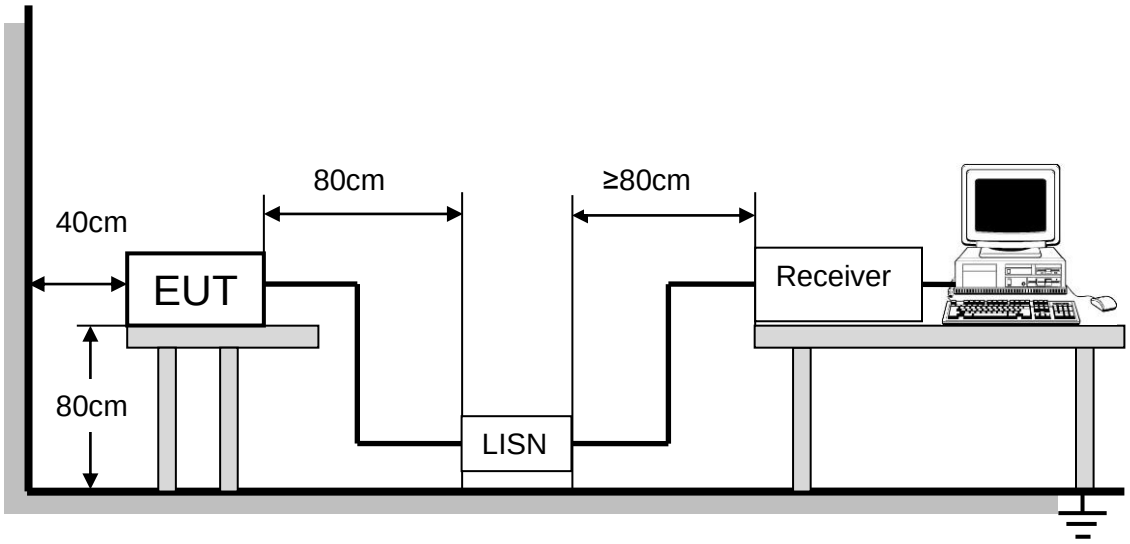
8. AC POWER LINE CONDUCTED EMISSIONS

8.1. LIMITS

Please refer to FCC §15.207 (a)

FREQUENCY (MHz)	Class A (dBuV)		Class B (dBuV)	
	Quasi-peak	Average	Quasi-peak	Average
0.15 -0.5	79.00	66.00	66 - 56 *	56 - 46 *
0.50 -5.0	73.00	60.00	56.00	46.00
5.0 -30.0	73.00	60.00	60.00	50.00

TEST SETUP AND PROCEDURE

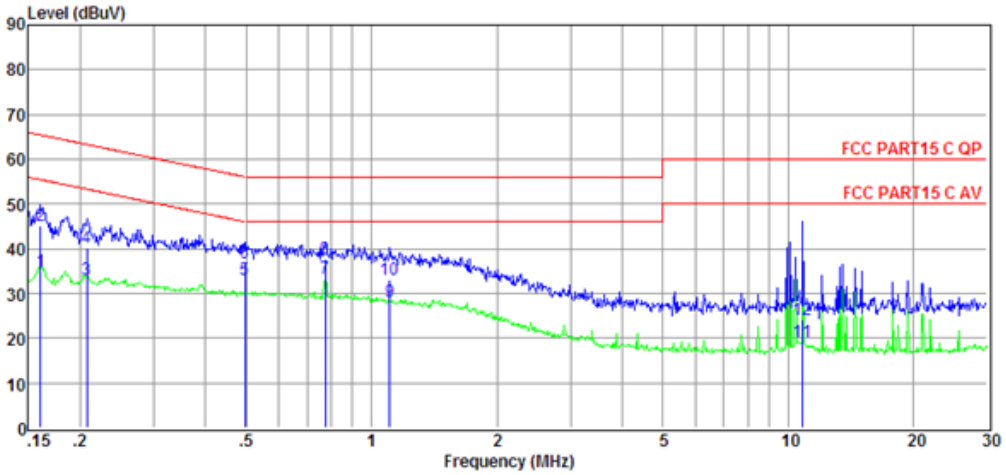


The EUT is put on a table of non-conducting material that is 80cm high. The vertical conducting wall of shielding is located 40cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver is used to test the emissions from both sides of AC line. According to the requirements in Section 7 and 13 of ANSI C63.10:2013.Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9kHz.

The arrangement of the equipment is installed to meet the standards and operating in a manner, which tends to maximize its emission characteristics in a normal application.

8.2. TEST RESULTS

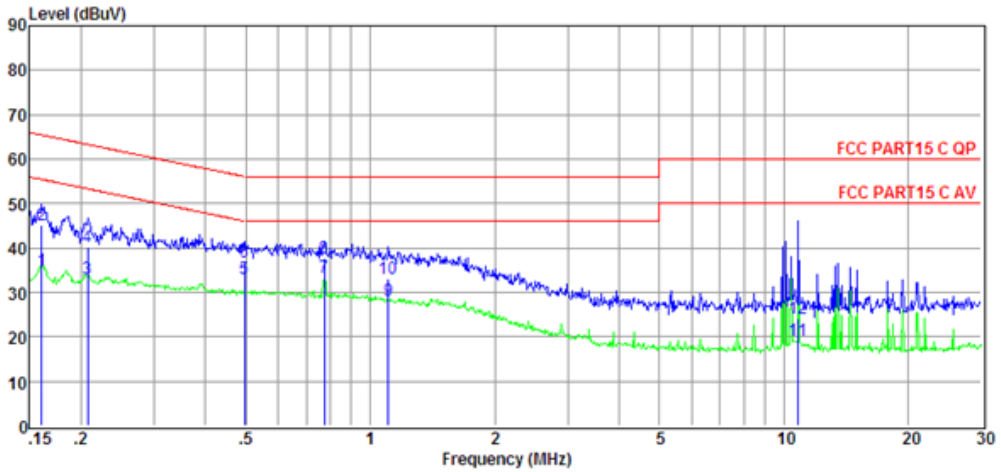
EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.6°C	Relative Humidity:	64%
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Phase :	Line



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBuV)	Limit Line (dBuV)	Over Limit (dB)	Detector	Phase
1	0.16	15.53	9.61	0.02	9.86	35.02	55.43	-20.41	Average	LINE
2	0.16	25.61	9.61	0.02	9.86	45.10	65.43	-20.33	QP	LINE
3	0.21	13.63	9.61	0.02	9.86	33.12	53.32	-20.20	Average	LINE
4	0.21	20.72	9.61	0.02	9.86	40.21	63.32	-23.11	QP	LINE
5	0.50	13.60	9.61	0.02	9.86	33.09	46.05	-12.96	Average	LINE
6	0.50	17.19	9.61	0.02	9.86	36.68	56.05	-19.37	QP	LINE
7	0.78	13.79	9.61	0.03	9.86	33.29	46.00	-12.71	Average	LINE
8	0.78	18.11	9.61	0.03	9.86	37.61	56.00	-18.39	QP	LINE
9	1.11	8.70	9.62	0.03	9.86	28.21	46.00	-17.79	Average	LINE
10	1.11	13.56	9.62	0.03	9.86	33.07	56.00	-22.93	QP	LINE
11	10.85	-0.46	9.75	0.11	9.90	19.30	50.00	-30.70	Average	LINE
12	10.85	4.48	9.75	0.11	9.90	24.24	60.00	-35.76	QP	LINE

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	24.6°C	Relative Humidity:	64%
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Phase :	Neutral



Item (Mark)	Freq. (MHz)	Read Level (dBµV)	LISN Factor (dB)	Cable Loss (dB)	Pulse Limiter Factor (dB)	Result Level (dBµV)	Limit Line (dBµV)	Over Limit (dB)	Detector	Phase
1	0.16	15.53	9.61	0.02	9.86	35.02	55.43	-20.41	Average	LINE
2	0.16	25.61	9.61	0.02	9.86	45.10	65.43	-20.33	QP	LINE
3	0.21	13.63	9.61	0.02	9.86	33.12	53.32	-20.20	Average	LINE
4	0.21	20.72	9.61	0.02	9.86	40.21	63.32	-23.11	QP	LINE
5	0.50	13.60	9.61	0.02	9.86	33.09	46.05	-12.96	Average	LINE
6	0.50	17.19	9.61	0.02	9.86	36.68	56.05	-19.37	QP	LINE
7	0.78	13.79	9.61	0.03	9.86	33.29	46.00	-12.71	Average	LINE
8	0.78	18.11	9.61	0.03	9.86	37.61	56.00	-18.39	QP	LINE
9	1.11	8.70	9.62	0.03	9.86	28.21	46.00	-17.79	Average	LINE
10	1.11	13.56	9.62	0.03	9.86	33.07	56.00	-22.93	QP	LINE
11	10.85	-0.46	9.75	0.11	9.90	19.30	50.00	-30.70	Average	LINE
12	10.85	4.48	9.75	0.11	9.90	24.24	60.00	-35.76	QP	LINE

Note: 1. Result Level = Read Level +LISN Factor + Pulse Limiter Factor + Cable loss.
2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
3. Test setup: RBW: 200 Hz (9 kHz—150 kHz), 9 kHz (150 kHz—30 MHz).
4. Step size: 80Hz (0.009MHz-0.15MHz), 4 kHz (0.15MHz-30MHz), Scan time: auto.

Note: All the channels had been tested, but only the worst data recorded in the report.

9. -10dB OCCUPIED BANDWIDTH

9.1. LIMITS

The UWB bandwidth of a UWB system operating under the provisions of this section must be contained between 3100 MHz and 10,600 MHz.
That limit is 0 dBm EIRP

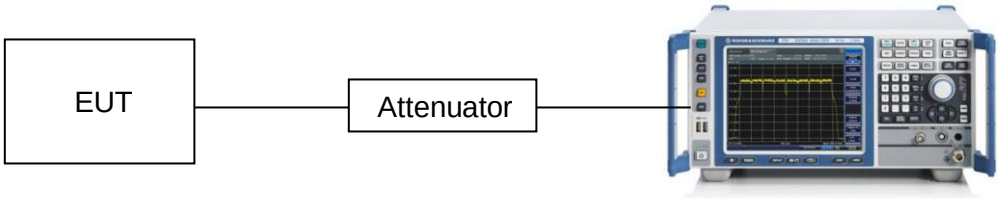
9.2. TEST PROCEDURE

Connect the UUT to the spectrum analyser and use the following settings:

Center Frequency	The centre frequency of the channel under test
Detector	Peak
RBW	1M
VBW	1M
Trace	Max hold
Sweep	Auto couple

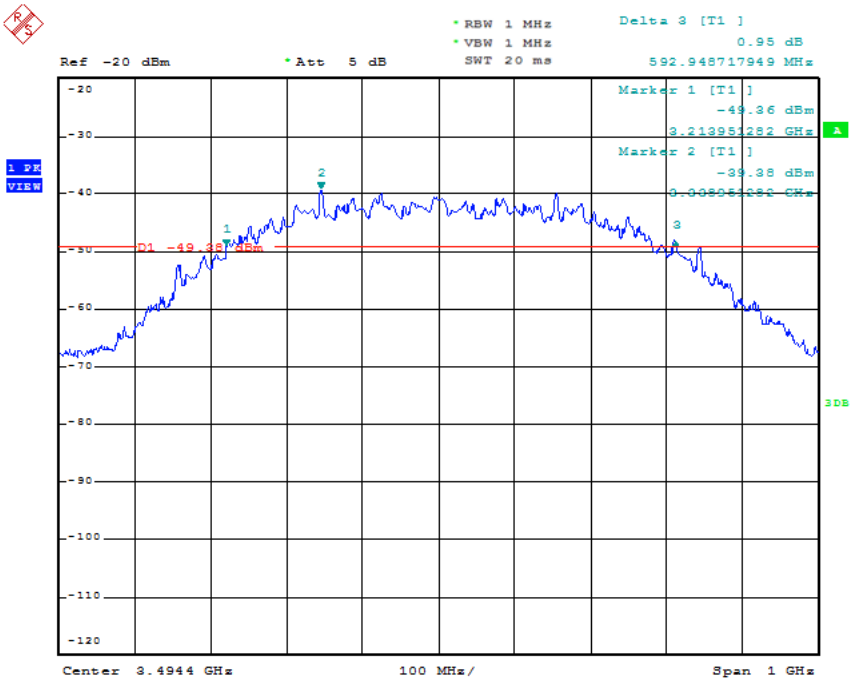
Use the occupied bandwidth function in the spectrum analyser and allow the trace to stabilize, then recorded the measurement data.

TEST SETUP

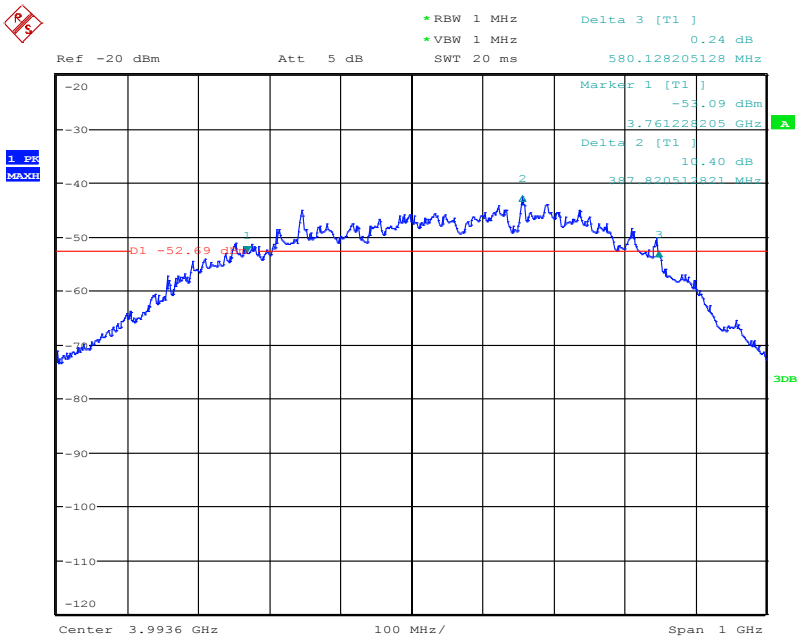


9.3. TEST RESULTS

EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	23.7°C	Relative Humidity:	64 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH1	Frequency:	3494.4MHz



EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	23.7°C	Relative Humidity:	64 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH2	Frequency:	3993.6MHz



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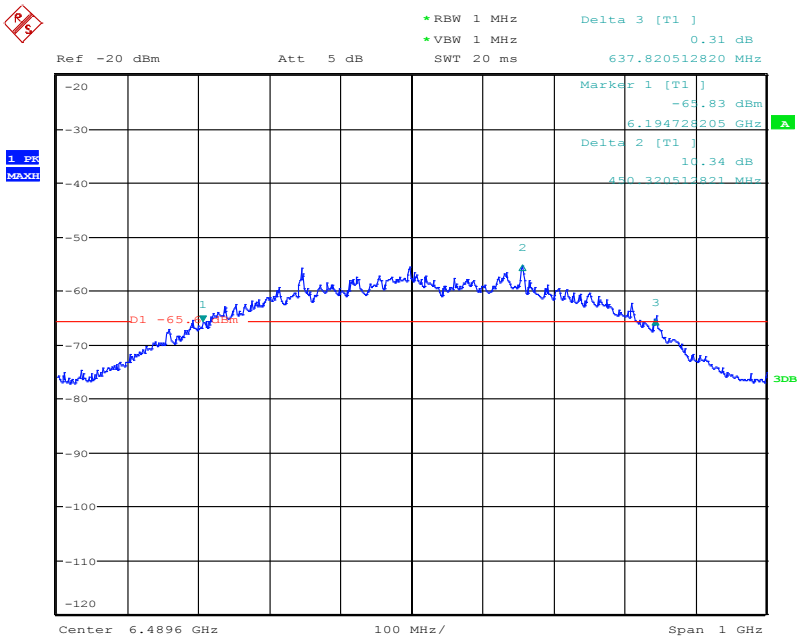
EUT:	UWB ANCHOR	Model Name:	UA-300
Temperature:	23.7°C	Relative Humidity:	64 %
Pressure:	1012 hPa	Test Voltage:	AC 120V/60Hz
Test Mode:	CH5	Frequency:	6489.6MHz



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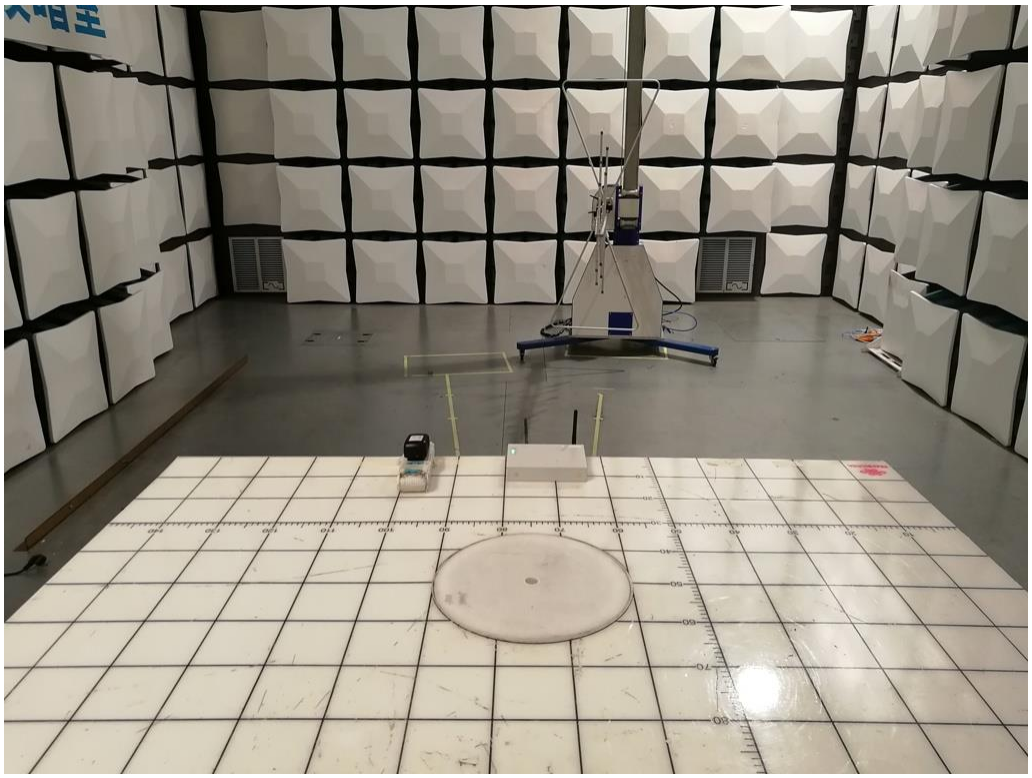
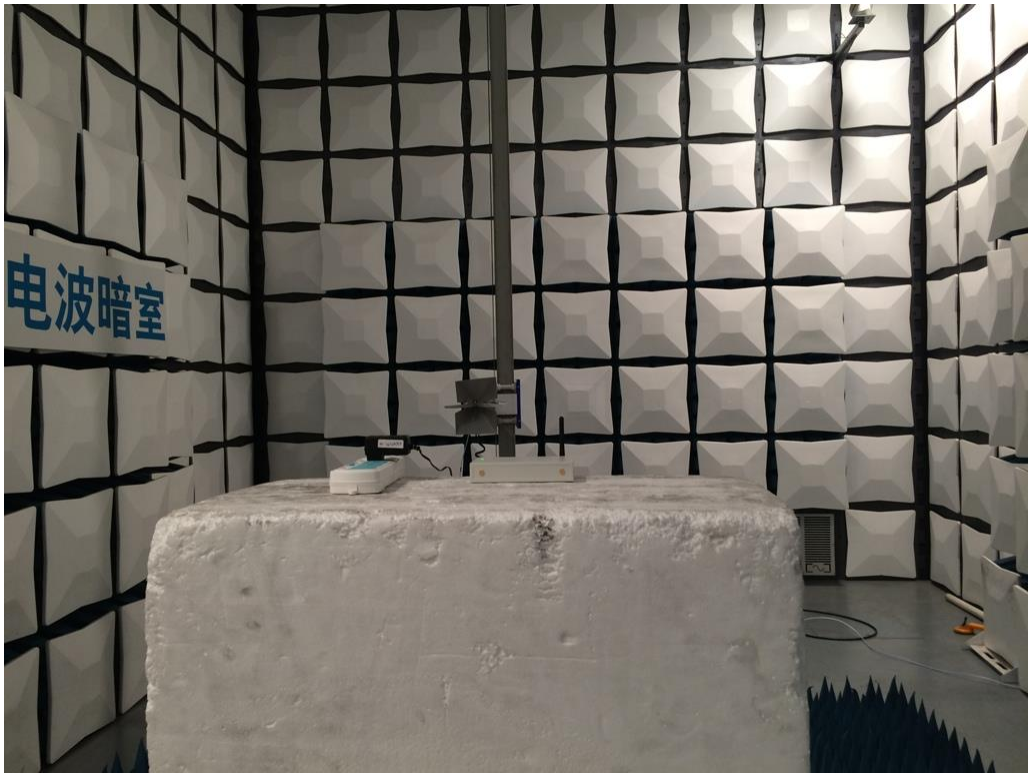
10. Appendix I： Photographs of Test Configuration

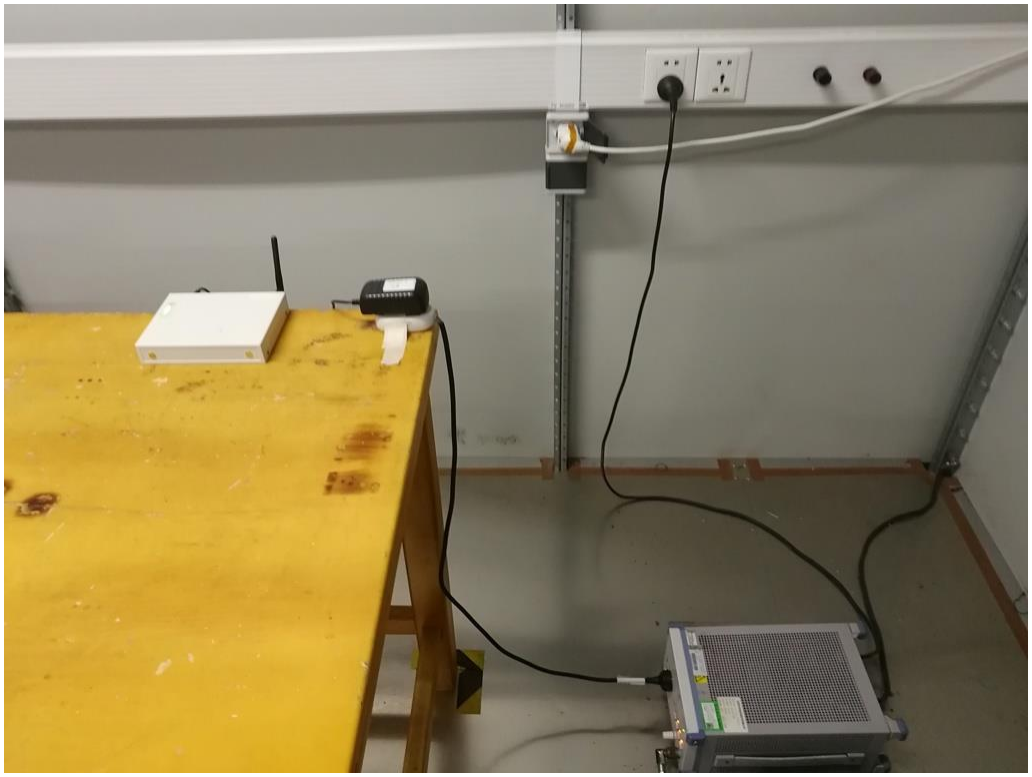
Radiated Disturbance Below 1G



Radiated Disturbance Above 1G



Conducted Emissions



END OF REPORT