

FCC CERTIFICATION TEST REPORT

FOR

Applicant	:	Power7 Technology (Dong Guan) Co., Ltd.
Address	:	No.28 Binjiang Street, Shishuikou Village, Qiaotou Town, Dongguan City, Guangdong Province P.R.China
Equipment under Test	:	Intelligent visible pore cleaner
Model No.	:	wisdom
Trade Mark	:	GOODtime
FCC ID	:	QT7-WISDOM
Manufacturer	:	Power7 Technology (Dong Guan) Co., Ltd.
Address	:	No.28 Binjiang Street, Shishuikou Village, Qiaotou Town, Dongguan City, Guangdong Province P.R.China

Issued By: Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park,
Dongguan City, Guangdong Province, China, 523808

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REPORT

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Test Report Declare

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Address	:	No.28 Binjiang Street.Shishuikou Village,Qiaotou Town,Dongguan City,GuangDong Province P.R.China

Test Standard Used: FCC Rules and Regulations Part 15 Subpart C.

Test procedure used: ANSI C63.10:2013, 558074 D01 15.247 Meas Guidance v05r02

We Declare:

The equipment described above is tested by Dongguan Dongdian Testing Service Co., Ltd and in the configuration tested the equipment complied with the standards specified above. The test results are contained in this test report and Dongguan Dongdian Testing Service Co., Ltd is assumed of full responsibility for the accuracy and completeness of these tests.

After test and evaluation, our opinion is that the equipment provided for test compliance with the requirement of the above FCC standards.

Report No:	DDT-R21030932-2E1		
Date of Receipt:	Mar. 22, 2021	Date of Test:	Mar. 22, 2021 ~ Apr. 09, 2021

Prepared By:

Ella Gong

Ella Gong/Engineer

Approved By:



Damon Hu/EMC Manager

Note: This report applies to above tested sample only. This report shall not be reproduced in parts without written approval of Dongguan Dongdian Testing Service Co., Ltd.

Revision History

Rev.	Revisions	Issue Date	Revised By
---	Initial issue	Apr. 09, 2021	

1. Summary of Test Results

The EUT have been tested according to the applicable standards as referenced below.		
Description of Test Item	Standard	Verdict
6dB Bandwidth and 99% Bandwidth	FCC 15.247 (a) (2)	Pass
Conducted Output Power	FCC 15.247 (b) (3)	Pass
Power Spectral Density	FCC 15.247 (e)	Pass
Band-edge and Spurious Emissions (Conducted)	FCC 15.247 (d)	Pass
Radiated Spurious Emissions	FCC 15.247 (d) FCC 15.209 FCC 15.205	Pass
Radiated Band Edge Compliance	FCC 15.247 (d) FCC 15.209 FCC 15.205	Pass
Power Line Conducted Emission	FCC 15.207	Pass
Antenna Requirement	FCC 15.203	Pass

2. General Test Information

2.1. Description of EUT

EUT* Name	: Intelligent visible pore cleaner
Model Number	: wisdom
EUT Function Description	: Please reference user manual of this device
Power Supply	: DC 3.7 V Polymer Li-ion built-in battery : DC 5V from external AC Adapter
Radio Technology	: IEEE 802.11b/g/n
FCC Operation Frequency	: IEEE 802.11b: 2412MHz-2462MHz : IEEE 802.11g: 2412MHz-2462MHz : IEEE 802.11n HT20: 2412MHz-2462MHz : IEEE 802.11n HT40: 2422MHz-2452MHz
Modulation	: IEEE 802.11b: DSSS (CCK, DQPSK, DBPSK) : IEEE 802.11g: OFDM (64QAM, 16QAM, QPSK, BPSK) : IEEE 802.11n HT20, HT40: OFDM (64QAM, 16QAM, QPSK, BPSK)
Transmitter Rate	: IEEE 802.11b: 1, 2, 5.5, 11 Mbps : IEEE 802.11g: 6, 9, 12, 18, 24, 36, 48, 54 Mbps : IEEE 802.11n HT20, HT40: 6.5, 13, 19.5, 26, 39, 52, 58.5, 65 Mbps
Antenna Type	: Dedicated antenna, maximum PK gain: 0.5 dBi
Sample Type	: Series production
Serial Number	: N/A

Note: EUT is the ab. of equipment under test.

Channel information					
CH	Frequency (MHz)	CH	Frequency (MHz)	CH	Frequency (MHz)
1	2412	5	2432	9	2452
2	2417	6	2437	10	2457
3	2422	7	2442	11	2462
4	2427	8	2447	/	/

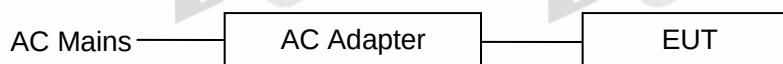
2.2. Accessories of EUT

Description of Accessories	Manufacturer	Model number	Description	Remark
USB Cable	N/A	N/A	N/A	Length: 50 cm, unshielded

2.3. Assistant equipment used for test

Assistant equipment	Manufacturer	Model number	EMC Compliance	SN
Notebook	Lenovo Beijing Co. Ltd.	ThinkPad	FCC/CE	TP00015A

2.4. Block diagram of EUT configuration for test



Test software: WiFi Test Tool v1.4.0.exe

The test software was used to control EUT work in Continuous Tx mode, and select test channel, wireless mode as below table.

Tested mode, channel, and data rate information

Mode	Setting Tx Power	data rate (Mbps) (see Note)	Channel	Frequency (MHz)
IEEE 802.11b	5	1	LCH: CH1	2412
	5	1	MCH: CH6	2437
	5	1	HCH: CH11	2462
IEEE 802.11g	15	6	LCH: CH1	2412
	15	6	MCH: CH6	2437
	15	6	HCH: CH11	2462
IEEE 802.11n HT20	15	MCS 0	LCH: CH1	2412
	15	MCS 0	MCH: CH6	2437
	15	MCS 0	HCH: CH11	2462
IEEE 802.11n HT40	15	MCS 0	LCH: CH3	2422
	15	MCS 0	MCH: CH6	2437
	15	MCS 0	HCH: CH9	2452

Note: According exploratory test, EUT will have maximum output power in those data rate, so those data rate were used for all test.

2.5. Deviations of test standard

No Deviation

2.6. Test environment conditions

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

Temperature range:	21-25°C
Humidity range:	40-75%
Pressure range:	86-106kPa

2.7. Test laboratory

Dongguan Dongdian Testing Service Co., Ltd.

Add.: No. 17, Zongbu Road 2, Songshan Lake Sci&Tech, Industry Park, Dongguan City,
Guangdong Province, China, 523808

Tel.: +86-0769-38826678, <http://www.dgddt.com>, Email: ddt@dgddt.com

CNAS Registration No. CNAS L6451; A2LA Certificate Number: 3870.01;

FCC Designation Number: CN1182; FCC Test Firm Registration Number: 540522

Industry Canada Site Registration Number: 10288A

2.8. Measurement uncertainty

Test Item	Uncertainty
Bandwidth	1.1%
Peak Output Power (Conducted) (Spectrum analyzer)	0.86 dB (10 MHz $\leq$ f < 3.6 GHz); 1.38 dB (3.6 GHz $\leq$ f < 8 GHz)
Peak Output Power (Conducted) (Power Sensor)	0.74 dB
Power Spectral Density	0.74 dB (10 MHz $\leq$ f < 3.6 GHz); 1.38 dB (3.6 GHz $\leq$ f < 8 GHz)
Frequencies Stability	6.7 x 10 ⁻⁸ (Antenna couple method) 5.5 x 10 ⁻⁸ (Conducted method)
Conducted spurious emissions	0.86 dB (10 MHz $\leq$ f < 3.6 GHz); 1.40 dB (3.6 GHz $\leq$ f < 8 GHz) 1.66 dB (8 GHz $\leq$ f < 22 GHz)
Uncertainty for radio frequency (RBW<20 kHz)	3×10 ⁻⁸
Temperature	0.4℃
Humidity	2%
Uncertainty for Radiation Emission test (30 MHz-1 GHz)	4.70 dB (Antenna Polarize: V) 4.84 dB (Antenna Polarize: H)
Uncertainty for Radiation Emission test (1 GHz-40 GHz)	4.10 dB (1-6 GHz) 4.40 dB (6 GHz-18 GHz) 3.54 dB (18 GHz-26 GHz) 4.30 dB (26 GHz-40 GHz)
Uncertainty for Power line conduction emission test	3.32 dB (150 kHz-30 MHz)
Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.	

3. Equipment Used During Test

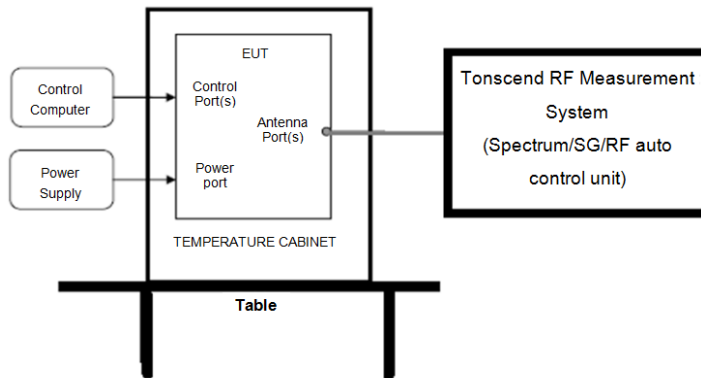
4. Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
☐ RF Connected Test (Tonscend RF Measurement System 1#)					
Spectrum analyzer	R&S	FSU26	101272	Jul. 01, 2020	1 Year
Spectrum analyzer	Agilent	N9020D	MY49100362	Sep. 28, 2020	1 Year
Wideband Radio Communication tester	R&S	CMW500	117491	Jul. 01, 2020	1 Year
Vector Signal Generator	Agilent	E8267D	US49060192	Sep. 24, 2020	1 Year
Vector Signal Generator	Agilent	N5182A	MY48180737	Jul. 01, 2020	1 Year
Power Sensor	Agilent	U2021XA	MY55150010	Jul. 01, 2020	1 Year
Power Sensor	Agilent	U2021XA	MY55150011	Jul. 01, 2020	1 Year
DC Power Source	MATRIS	MPS-3005L-3	D813058W	Apr. 25, 2020	1 Year
RF Cable	Micable	C10-01-01-1	100309	Sep. 28, 2020	1 Year
Temp&Humi Programmable	ZHIXIANG	ZXGDJS-15 0L	ZX170110-A	Jul. 01, 2020	1 Year

Test Software	JS Tonscend	JS1120-3	Ver.2.7	N/A	N/A
☒ RF Connected Test (Tonscend RF Measurement System 2#)					
Spectrum analyzer	R&S	FSU26	200071	Sep. 25, 2020	1 Year
Spectrum analyzer	Agilent	N9020D	MY49100362	Sep. 28, 2020	1 Year
Wideband Radio Communication tester	R&S	CMW500	117491	Jul. 01, 2020	1 Year
Vector Signal Generator	Agilent	N5182A	MY19060405	Jul. 01, 2020	1 Year
Vector Signal Generator	Agilent	N5182A	MY48180912	Jul. 01, 2020	1 Year
RF Control Unit	Tonsend	JS0806-2	DDT-ZC01449	Jul. 01, 2020	1 Year
DC Power Source	MATRIS	MPS-3005L-3	D813058W	Apr. 25, 2020	1 Year
RF Cable	Micable	C10-01-01-1	100309	Sep. 28, 2020	1 Year
Temp&Humi Programmable	ZHIXIANG	ZXGDJS-150L	ZX170110-A	Jul. 01, 2020	1 Year
Test Software	JS Tonscend	JS1120-3	Ver.2.7	N/A	N/A
☐ Radiation 1#chamber					
EMI Test Receiver	R&S	ESU8	100316	Sep. 24, 2020	1 Year
Spectrum analyzer	Agilent	E4447A	MY50180031	Jul. 01, 2020	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB9163	9163-462	Nov. 13, 2020	1 Year
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Nov. 18, 2020	1 Year
Double Ridged Horn Antenna	R&S	HF907	100276	Nov. 13, 2020	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	Apr. 11, 2020	1 Year
Pre-amplifier	A.H.	PAM-0118	360	Sep. 28, 2020	1 Year
RF Cable	HUBSER	CP-X2+ CP-X1	W11.03+ W12.02	Sep. 24, 2020	1 Year
RF Cable	N/A	5m+6m+1m	06270619	Sep. 30, 2020	1 Year
MI Cable	HUBSER	C10-01-01-1M	1091629	Sep. 30, 2020	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A
☒ Radiation 2#chamber					
EMI Test Receiver	R&S	ESCI	101364	Sep. 28, 2020	1 Year
Spectrum analyzer	Agilent	E4447A	MY50180031	Jul. 01, 2020	1 Year
Trilog Broadband Antenna	Schwarzbeck	VULB 9163	9163-994	Nov. 13, 2020	1 Year
Active Loop antenna	Schwarzbeck	FMZB-1519	1519-038	Nov. 18, 2020	1 Year
Double Ridged Horn Antenna	Schwarzbeck	BBHA9120	02108	Jul. 11, 2020	1 Year
Broad Band Horn Antenna	Schwarzbeck	BBHA 9170	790	Apr. 11, 2020	1 Year
Pre-amplifier	TERA-MW	TRLA-0040 G35	1013 03	Sep. 28, 2020	1 Year
RF Cable	N/A	14+1.5m	06270619	Sep. 28, 2020	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A

☒ Power Line Conducted Emissions Test 1#					
EMI Test Receiver	R&S	ESU8	100316	Sep. 24, 2020	1 Year
LISN 1	R&S	ENV216	101109	Sep. 28, 2020	1 Year
LISN 2	R&S	ESH2-Z5	100309	Sep. 28, 2020	1 Year
Pulse Limiter	R&S	ESH3-Z2	101242	Sep. 24, 2020	1 Year
CE Cable 1	HUBSER	N/A	W10.01	Sep. 24, 2020	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A
☐ Power Line Conducted Emissions Test 2#					
Test Receiver	R&S	ESPI	101761	Sep. 24, 2020	1 Year
LISN 1	R&S	ENV216	101170	Sep. 28, 2020	1 Year
LISN 2	R&S	ESH2-Z5	100309	Sep. 28, 2020	1 Year
Pulse Limiter	R&S	KH43101	43101180156 8-12#	Jul. 01, 2020	1 Year
CE Cable 2	HUBSER	N/A	W11.02	Sep. 24, 2020	1 Year
Test software	Audix	E3	V 6.11111b	N/A	N/A

5. 6dB Bandwidth and 99% Bandwidth

5.1. Block diagram of test setup



5.2. Limits

For direct sequence systems, the minimum 6 dB bandwidth shall be at least 500 kHz

5.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) 99% Bandwidth set the spectrum analyzer as follows:

RBW:	300 kHz
VBW:	1 MHz
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) 6dB Bandwidth set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(4) Allow the trace to stabilize, measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

5.4. Test result

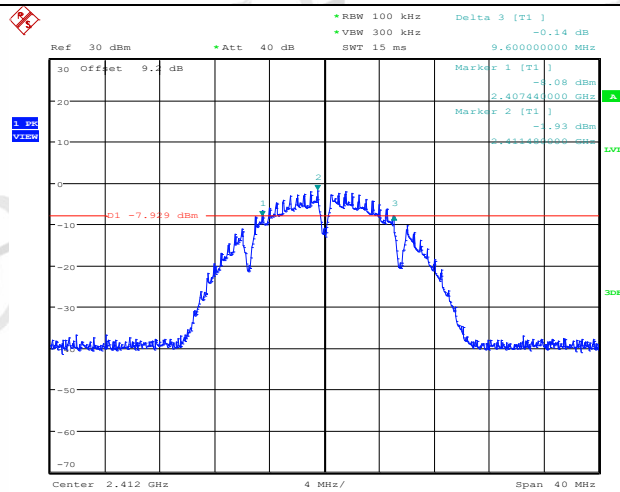
Test Mode	Test	Ant	6dB Bandwidth (MHz)	Limit (MHz)	Verdict
11B	2412	Ant1	9.600	0.5	Pass
11B	2437	Ant1	9.600	0.5	Pass
11B	2462	Ant1	9.600	0.5	Pass
11G	2412	Ant1	13.880	0.5	Pass
11G	2437	Ant1	13.920	0.5	Pass
11G	2462	Ant1	13.880	0.5	Pass
11N20MIMO	2412	Ant1	13.880	0.5	Pass
11N20MIMO	2437	Ant1	13.880	0.5	Pass
11N20MIMO	2462	Ant1	13.880	0.5	Pass
11N40MIMO	2422	Ant1	34.000	0.5	Pass
11N40MIMO	2437	Ant1	34.000	0.5	Pass
11N40MIMO	2452	Ant1	34.000	0.5	Pass

Test Mode	Test	Ant	99% OBW (MHz)	Limit (MHz)	Verdict
11B	2412	Ant1	15	---	Pass
11B	2437	Ant1	14.96	---	Pass
11B	2462	Ant1	14.92	---	Pass
11G	2412	Ant1	16.24	---	Pass
11G	2437	Ant1	16.28	---	Pass
11G	2462	Ant1	16.28	---	Pass
11N20MIMO	2412	Ant1	17.04	---	Pass
11N20MIMO	2437	Ant1	17.04	---	Pass
11N20MIMO	2462	Ant1	17.12	---	Pass
11N40MIMO	2422	Ant1	36.08	---	Pass
11N40MIMO	2437	Ant1	36.16	---	Pass
11N40MIMO	2452	Ant1	36.16	---	Pass

5.5. original test data

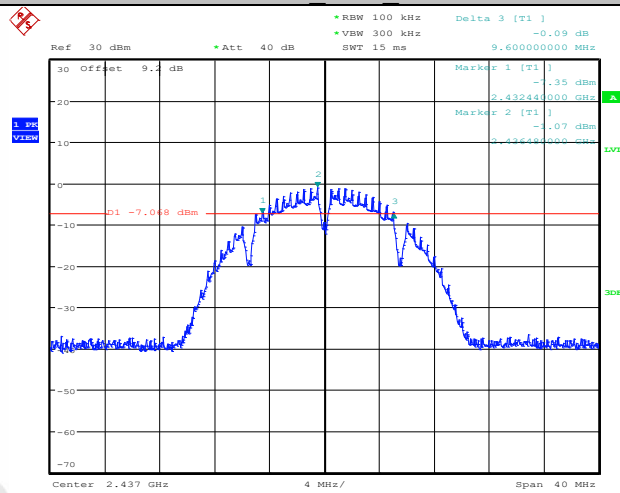
6dB Bandwidth:

11B_Ant1_2412



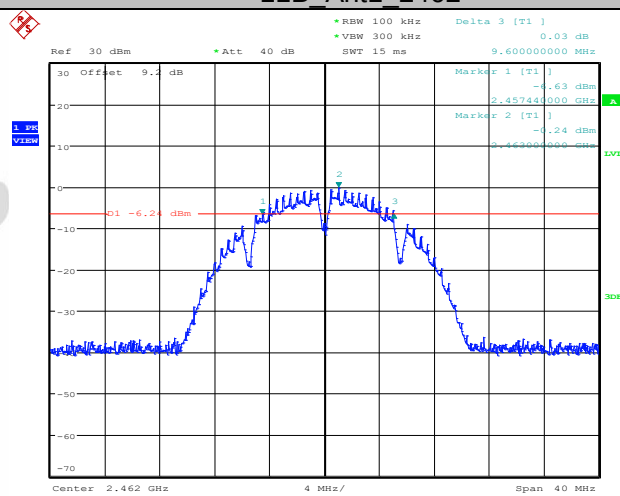
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11B Ant1 2437



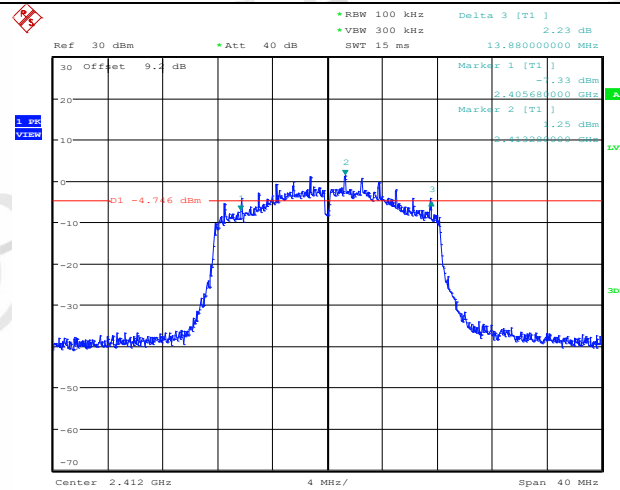
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11B Ant1 2462

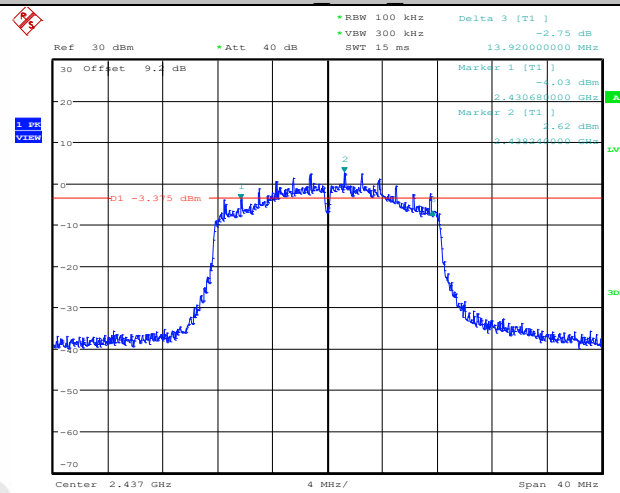


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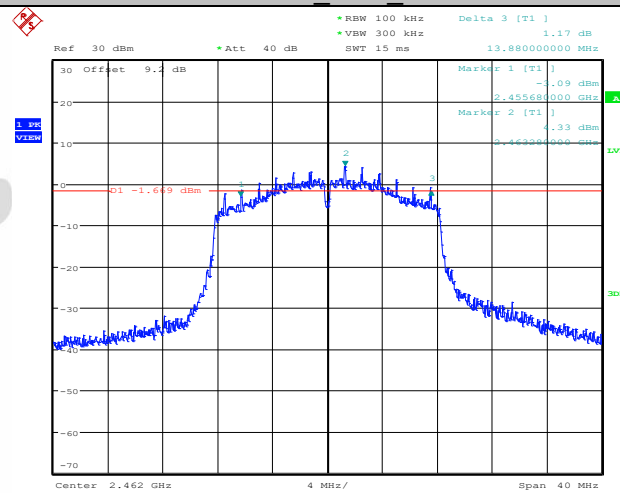
11G Ant1 2412



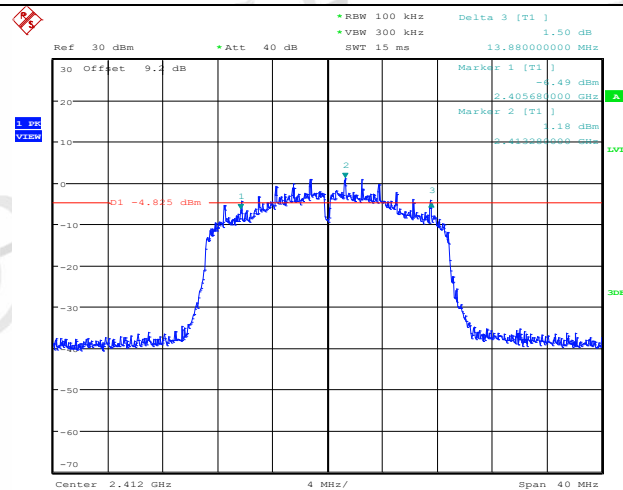
11G Ant1 2437



11G Ant1 2462

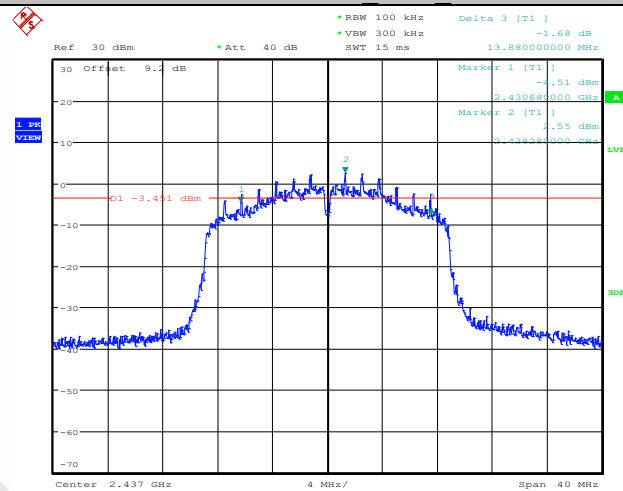


11N20SISO Ant1 2412



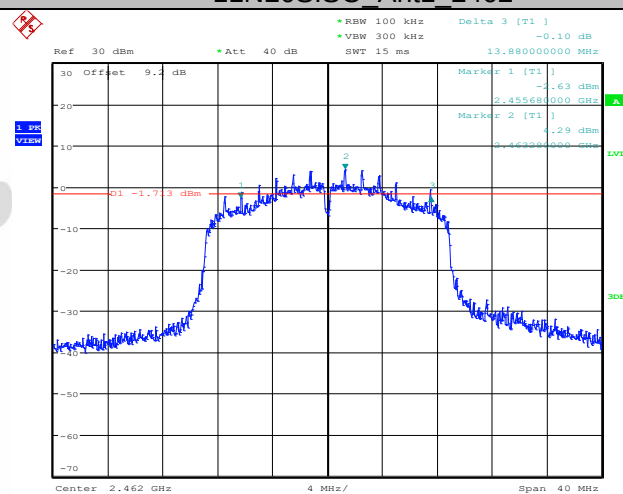
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11N20SISO Ant1 2437



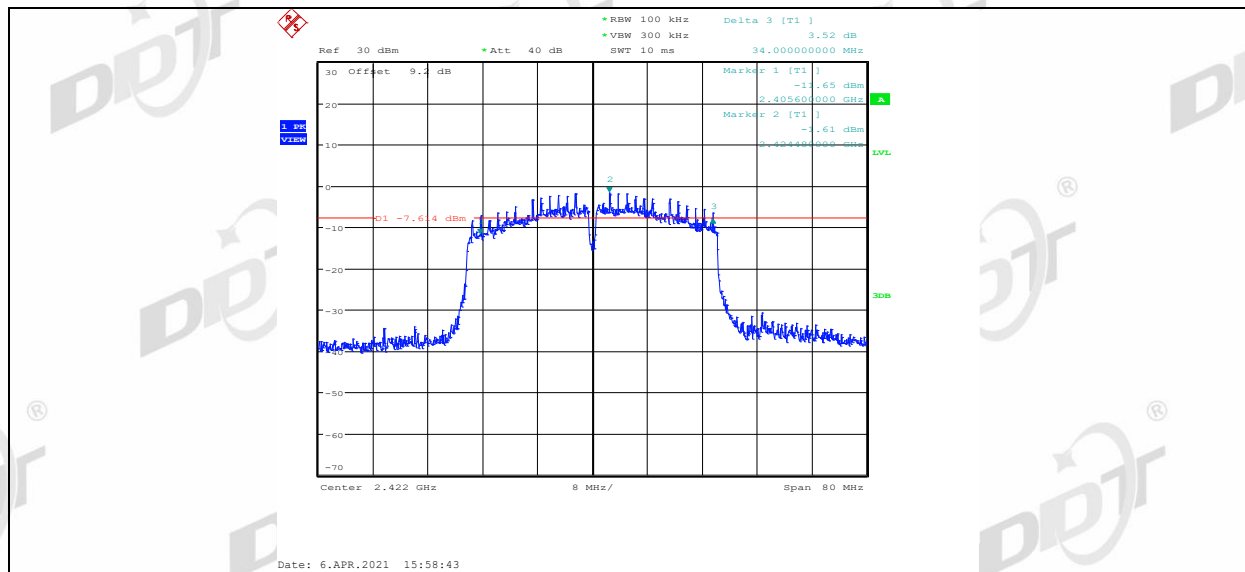
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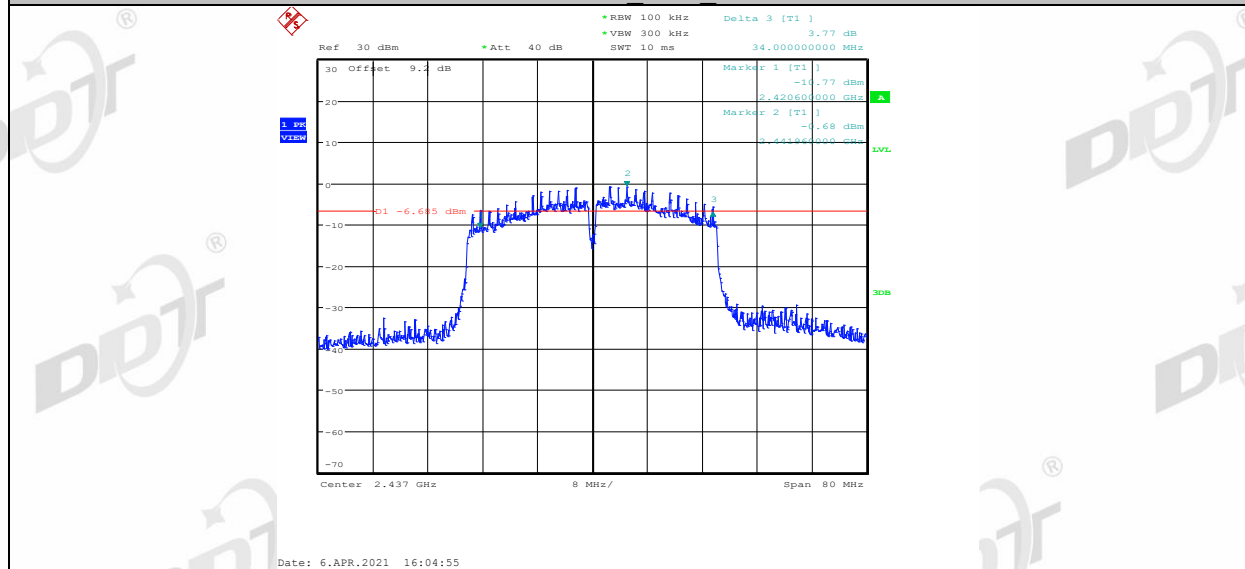


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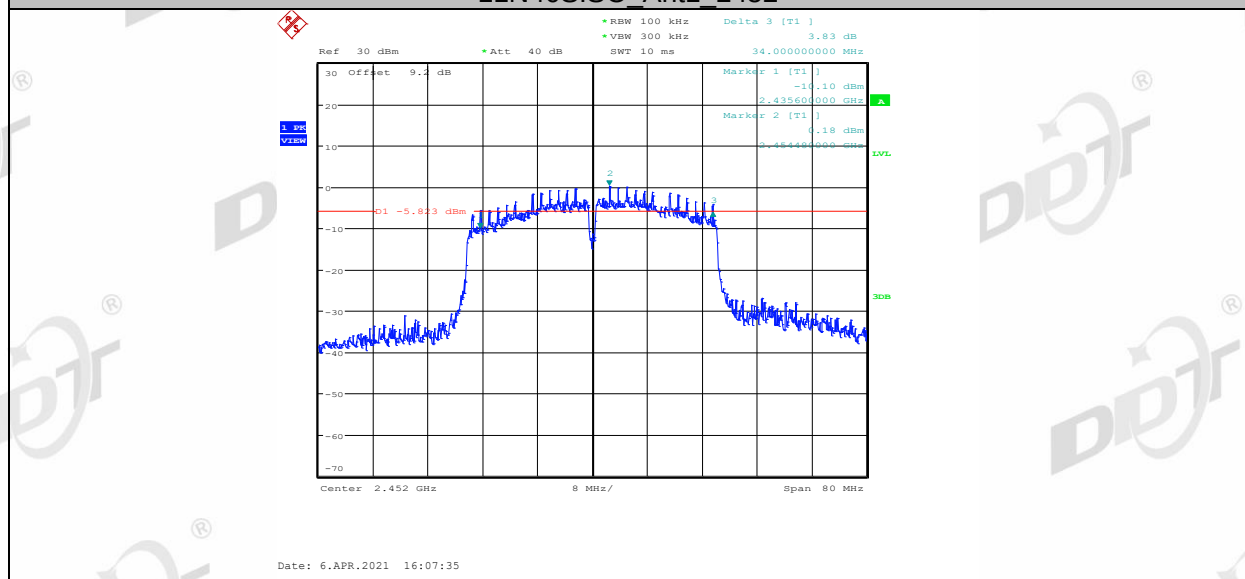
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11N40SISO Ant1 2437

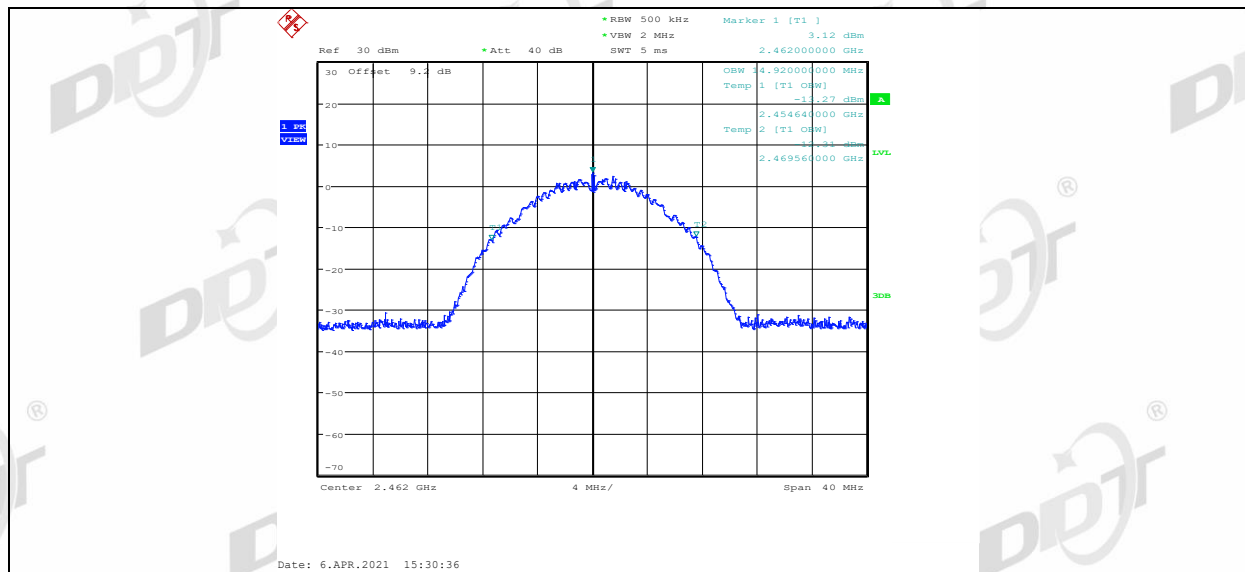


11N40SISO Ant1 2452

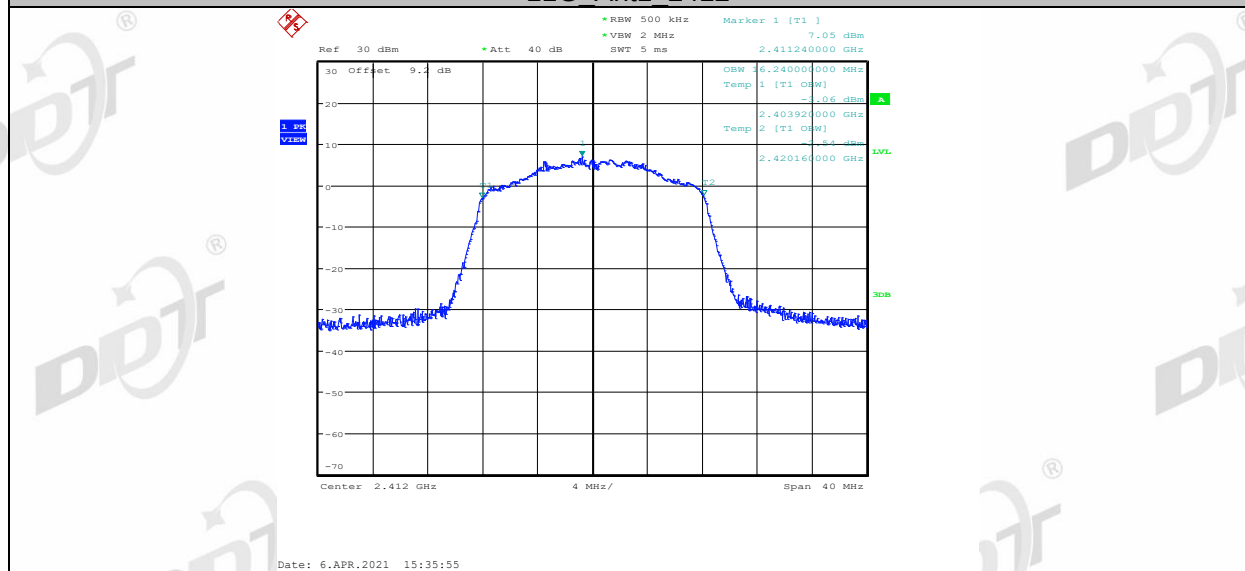


99% Bandwidth

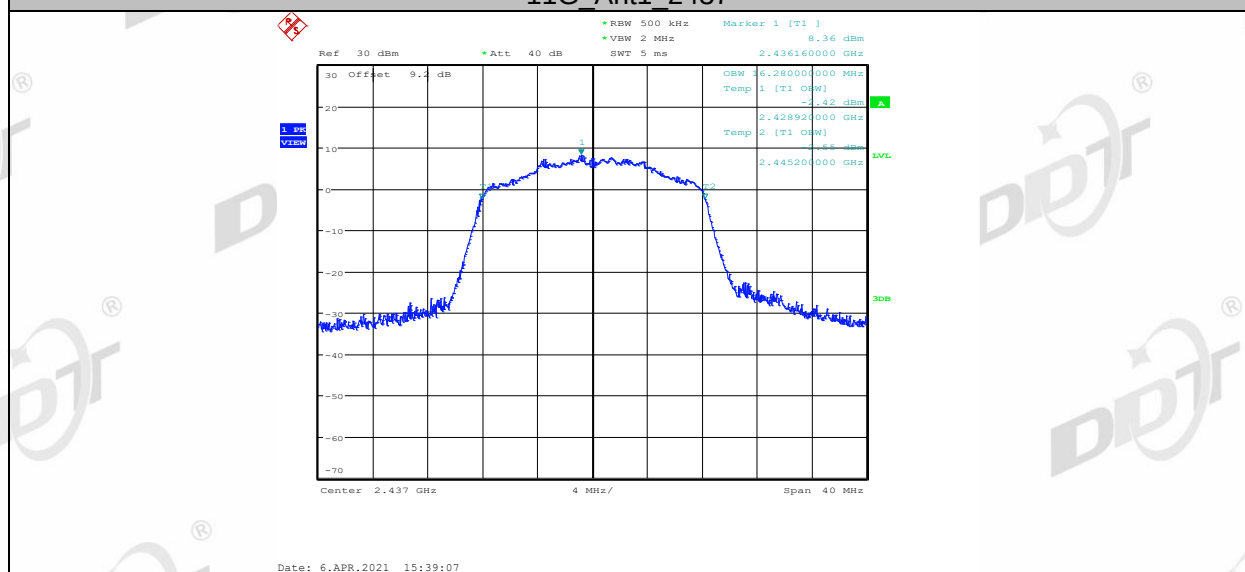




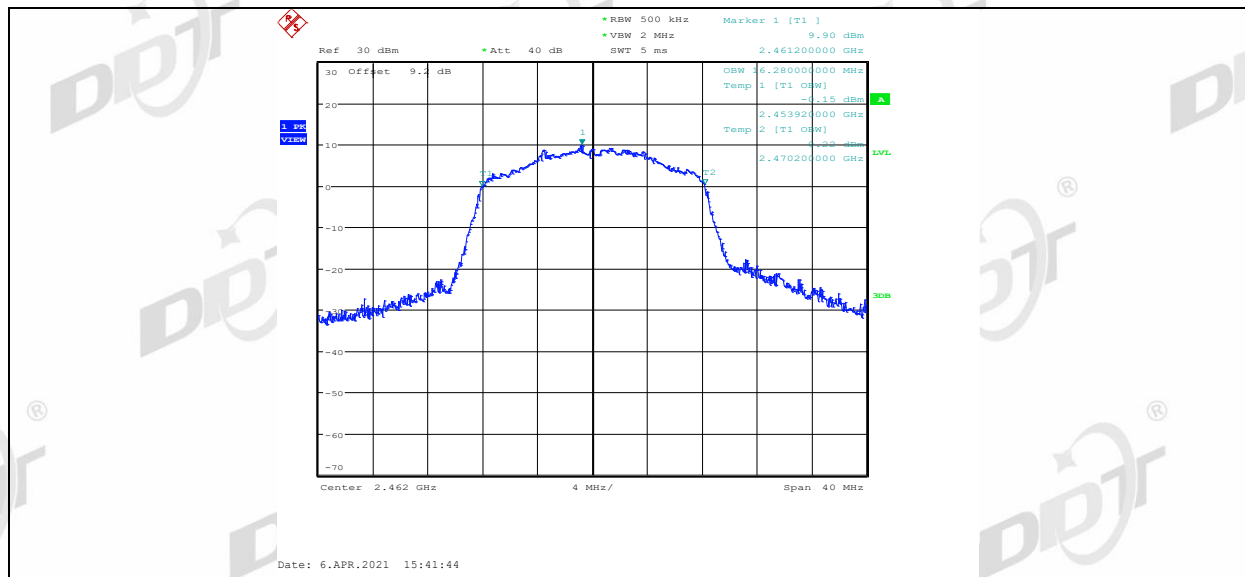
11G Ant1 2412



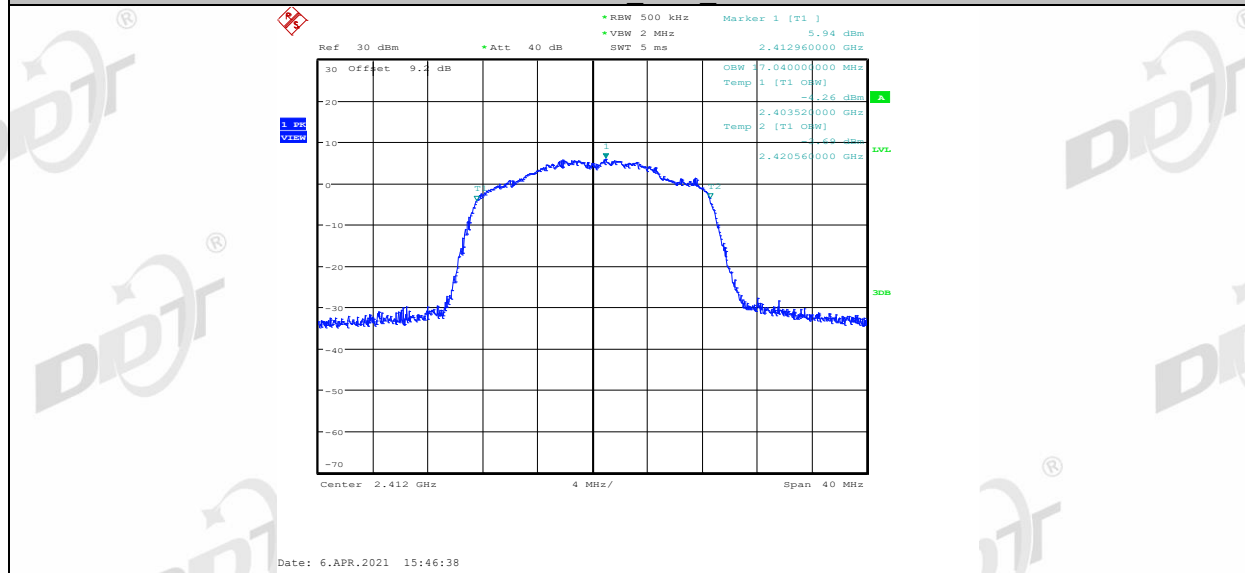
11G Ant1 2437



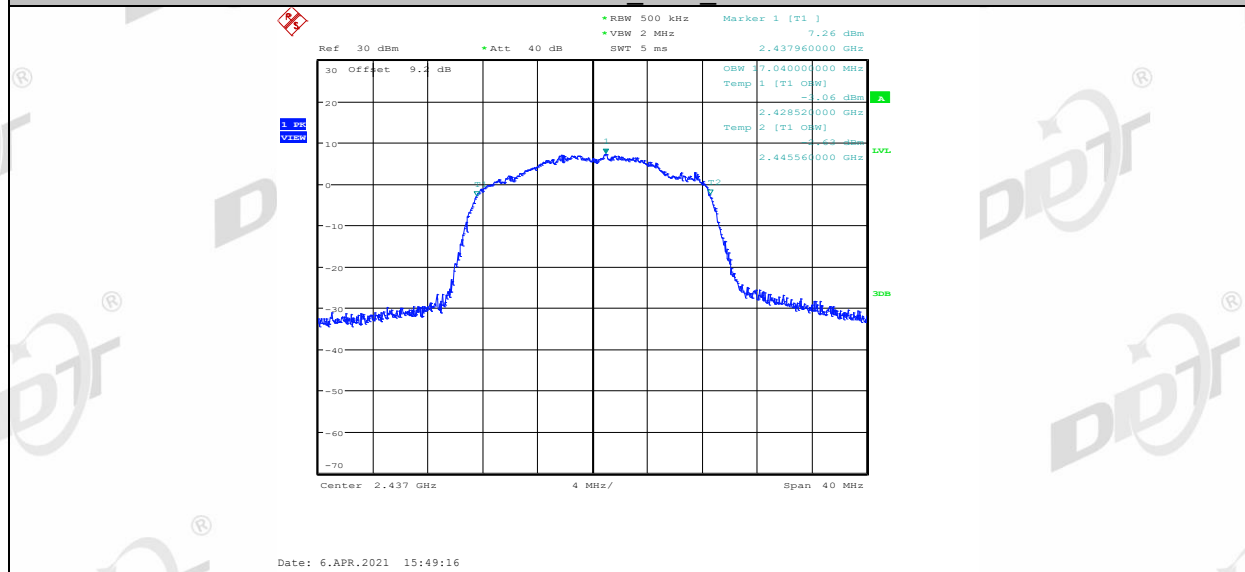
11G Ant1 2462



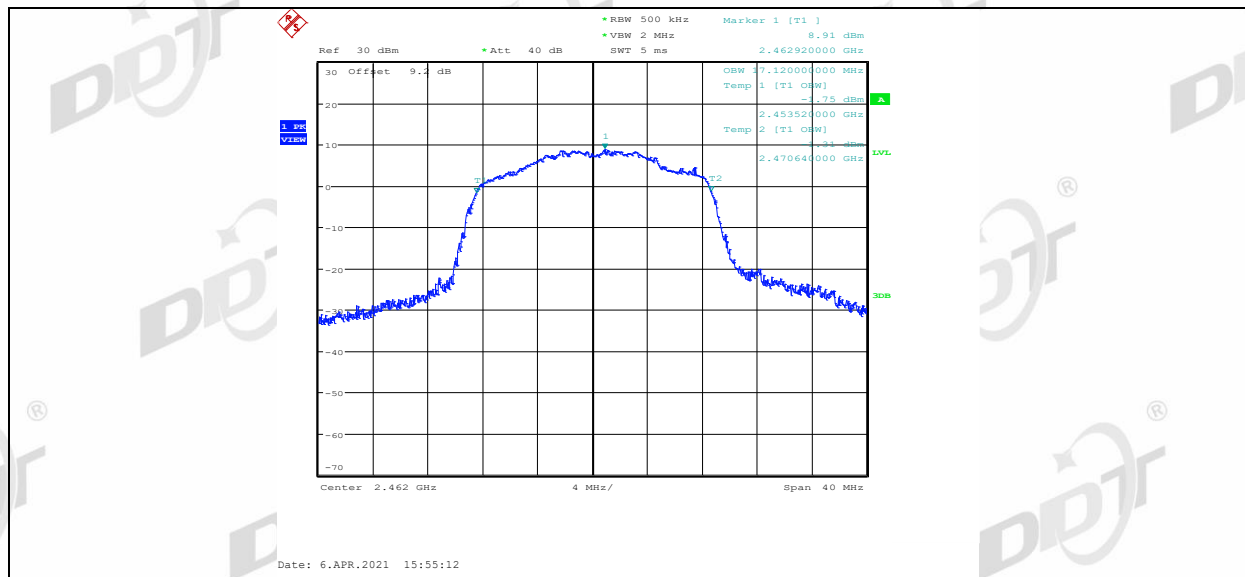
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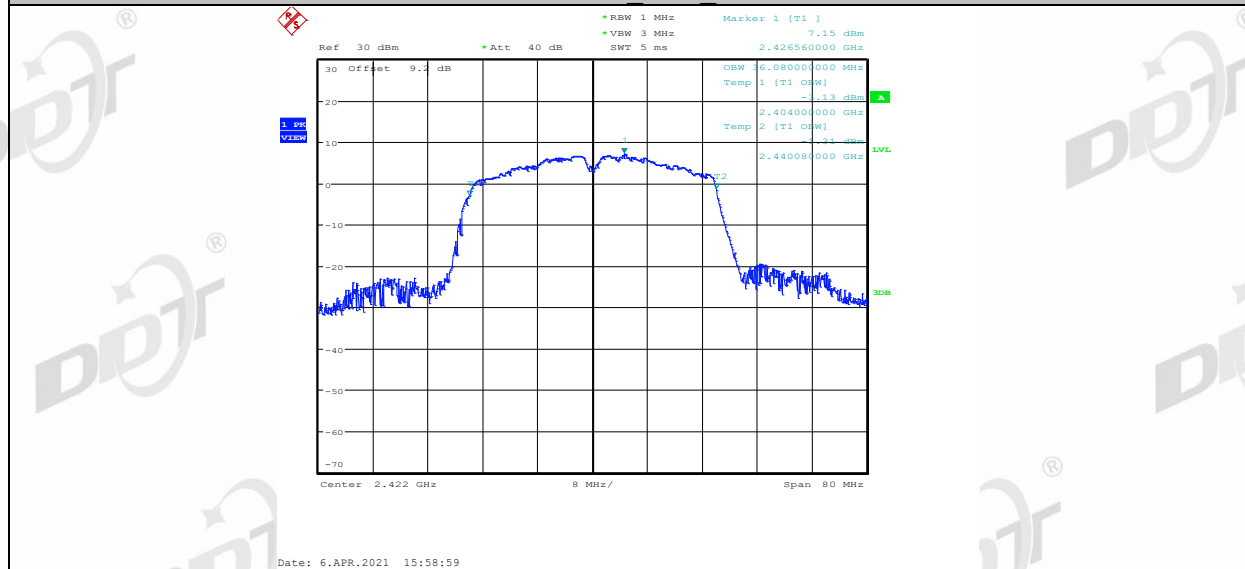
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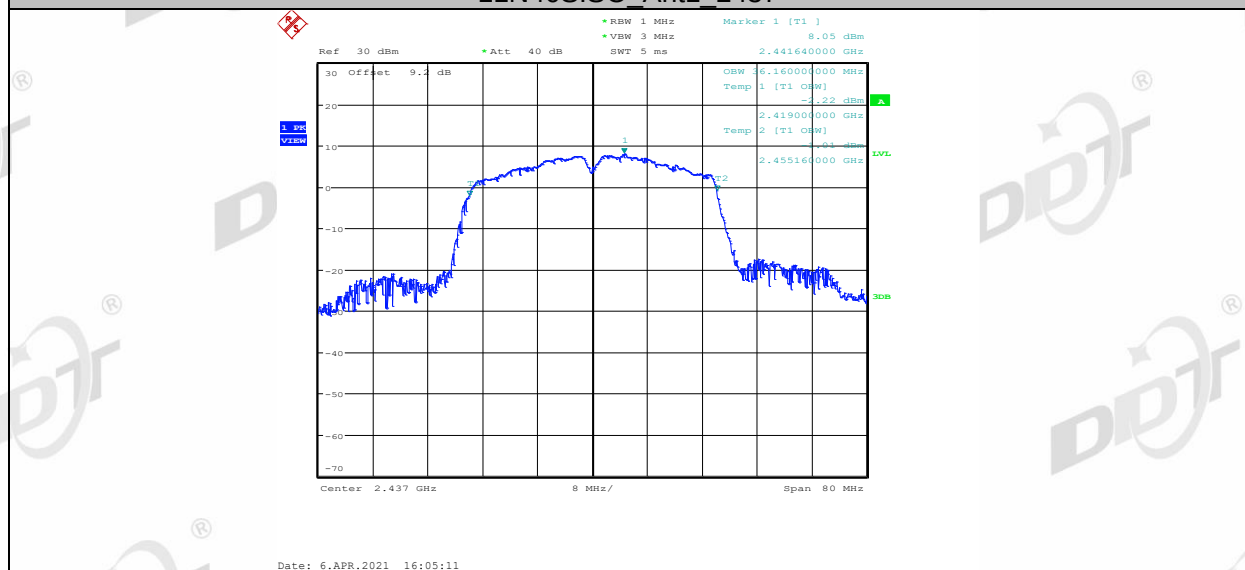
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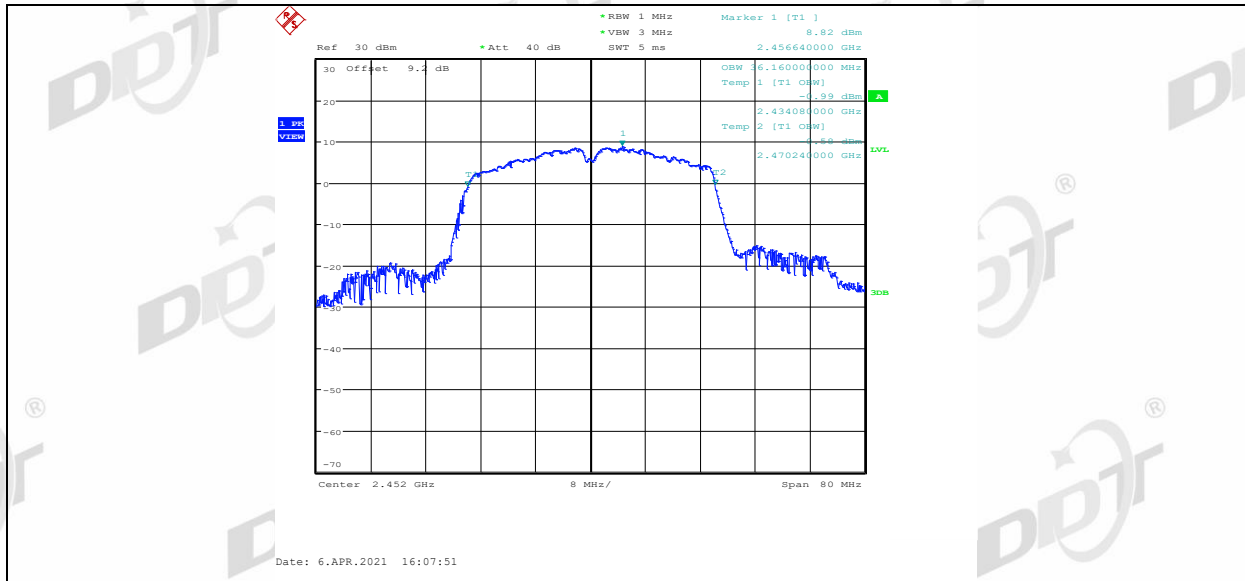
11N40SISO Ant1 2422



11N40SISO Ant1 2437



11N40SISO Ant1 2452



6. Conducted Output Power

6.1. Block diagram of test setup

Same as section 4.1

6.2. Limits

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. If transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

6.3. Test procedure

Connect each EUT's antenna output to power sensor by RF cable and attenuator

Measure the Average output power of each antenna port by power meter.

6.4. Test result

Test Mode	Test Channel	Ant	Power(dBm)	Limit(dBm)	Verdict
11B	2412	ANT1	7.70	30	Pass
11B	2437	ANT1	8.46	30	Pass
11B	2462	ANT1	9.51	30	Pass
11G	2412	ANT1	7.36	30	Pass
11G	2437	ANT1	8.91	30	Pass
11G	2462	ANT1	10.59	30	Pass
11N20MIMO	2412	ANT1	7.19	30	Pass
11N20MIMO	2437	ANT1	8.68	30	Pass
11N20MIMO	2462	ANT1	10.33	30	Pass
11N40MIMO	2422	ANT1	8.14	30	Pass
11N40MIMO	2437	ANT1	9.08	30	Pass
11N40MIMO	2452	ANT1	10.05	30	Pass

7. Power Spectral Density

7.1. Block diagram of test setup

Same as section 4.1

7.2. Limits

For digitally modulated systems, the power spectral density conducted from the intentional radiator to the antenna shall not be greater than 8 dBm in any 3 kHz band during any time interval of continuous transmission.

7.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Set the spectrum analyzer as follows:

Center frequency	DTS Channel center frequency
RBW:	$3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$
VBW:	$\geq 3\text{RBW}$
Span	1.5 times the DTS bandwidth
Detector Mode:	RMS
Sweep time:	auto
Trace mode	Max hold

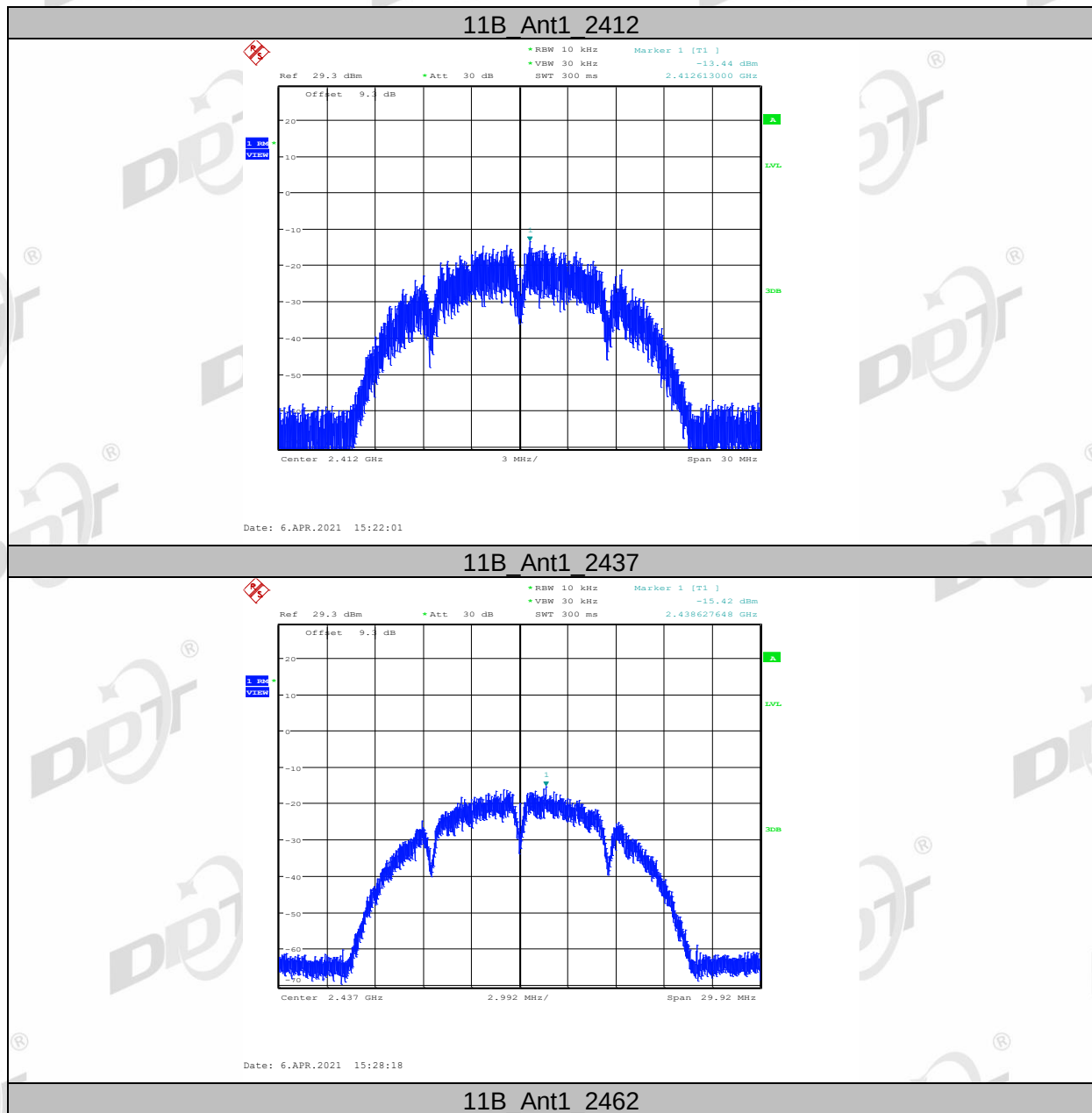
(3) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude level within the RBW.

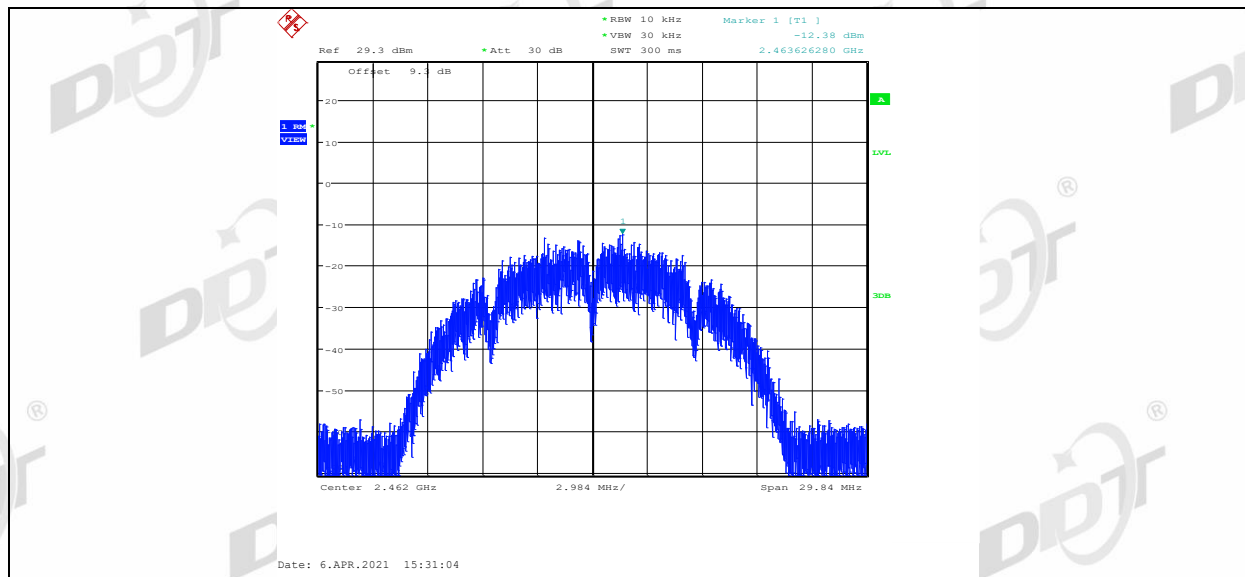
(4) If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

7.4. Test result

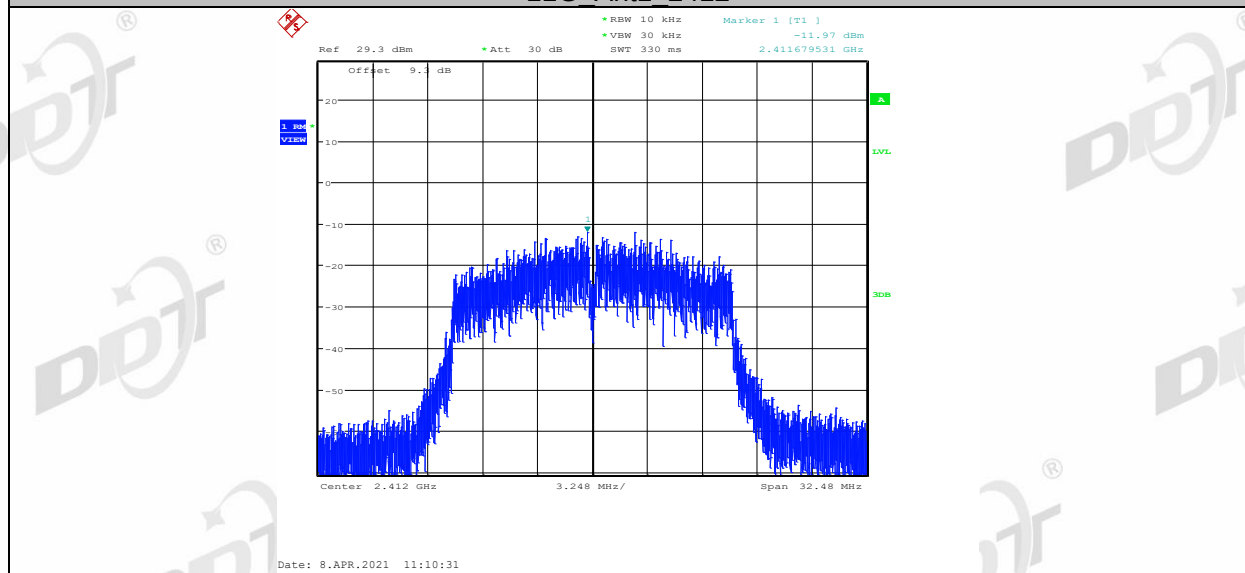
Test Mode	Test Channel	Ant	PSD (dBm)	Limit(dBm/kHz)	Verdict
11B	2412	ANT1	-13.44	8.00	Pass
11B	2437	ANT1	-15.42	8.00	Pass
11B	2462	ANT1	-12.38	8.00	Pass
11G	2412	ANT1	-11.97	8.00	Pass
11G	2437	ANT1	-11.26	8.00	Pass
11G	2462	ANT1	-9.2	8.00	Pass
11N20MIMO	2412	ANT1	-13.29	7.50	Pass
11N20MIMO	2437	ANT1	-10.89	7.50	Pass
11N20MIMO	2462	ANT1	-9.39	7.50	Pass
11N40MIMO	2422	ANT1	-14.22	7.50	Pass
11N40MIMO	2437	ANT1	-12.79	7.50	Pass
11N40MIMO	2452	ANT1	-11.74	7.50	Pass

7.5. original test data

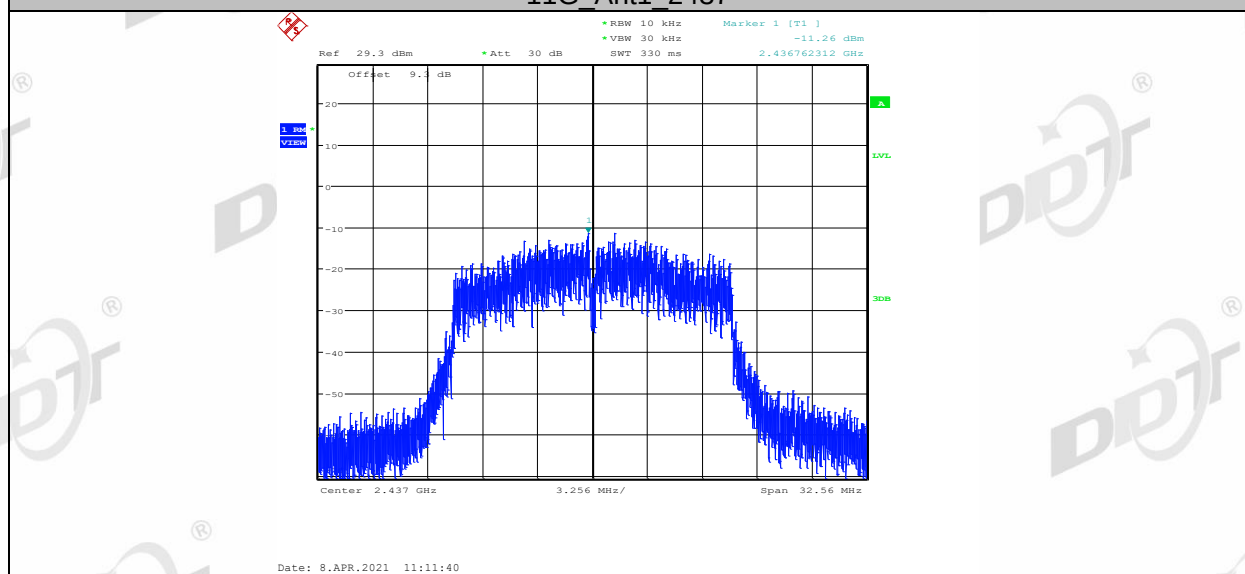




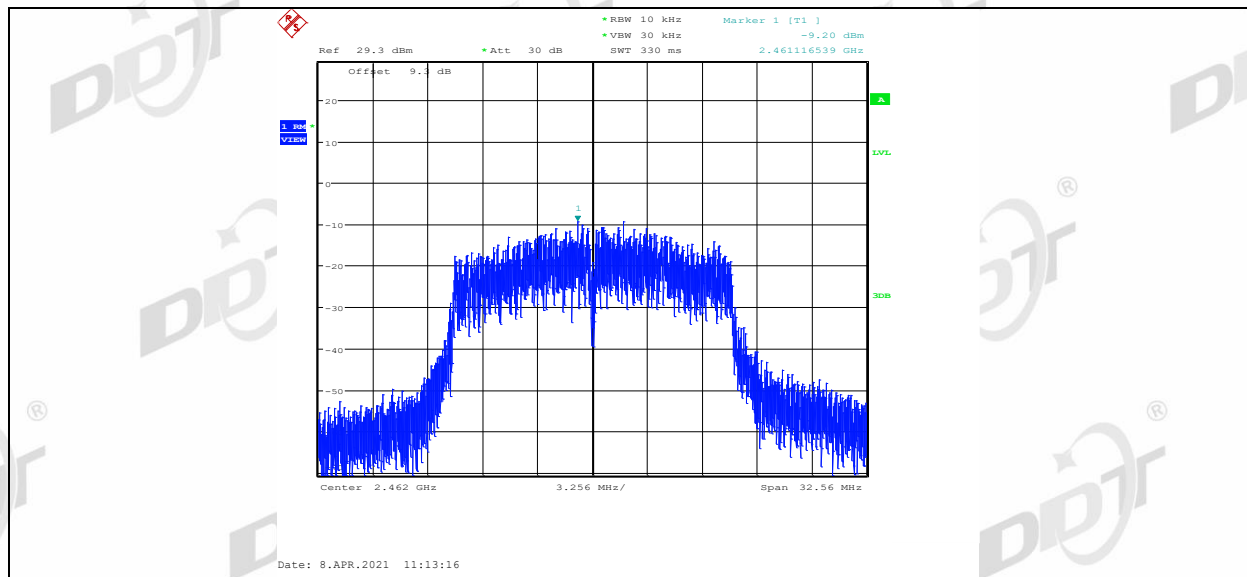
11G Ant1 2412



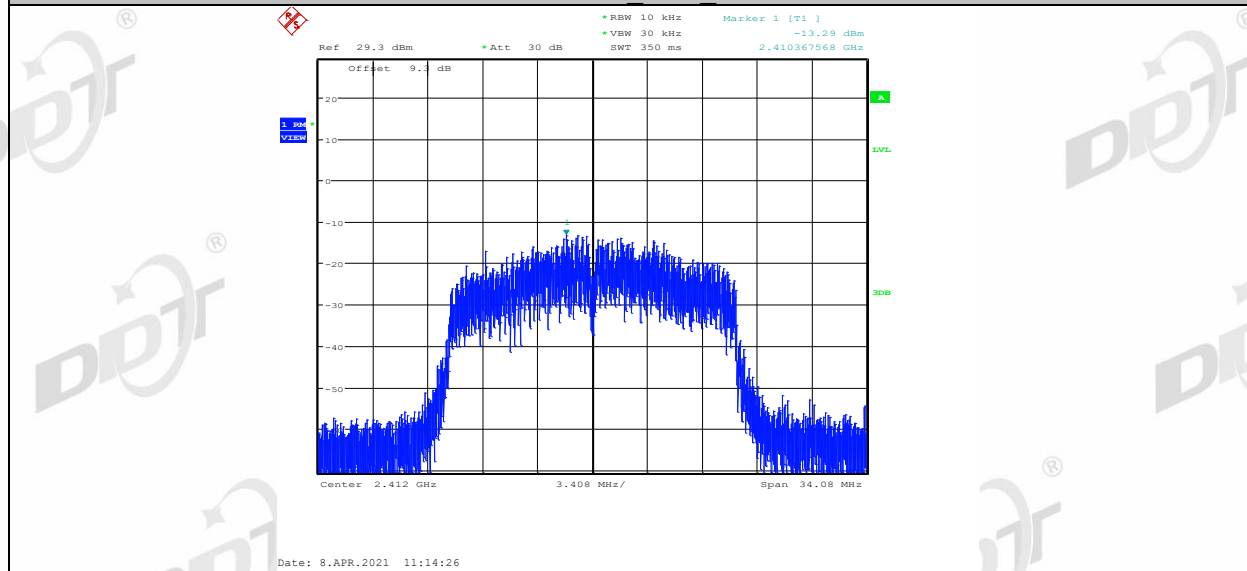
11G Ant1 2437



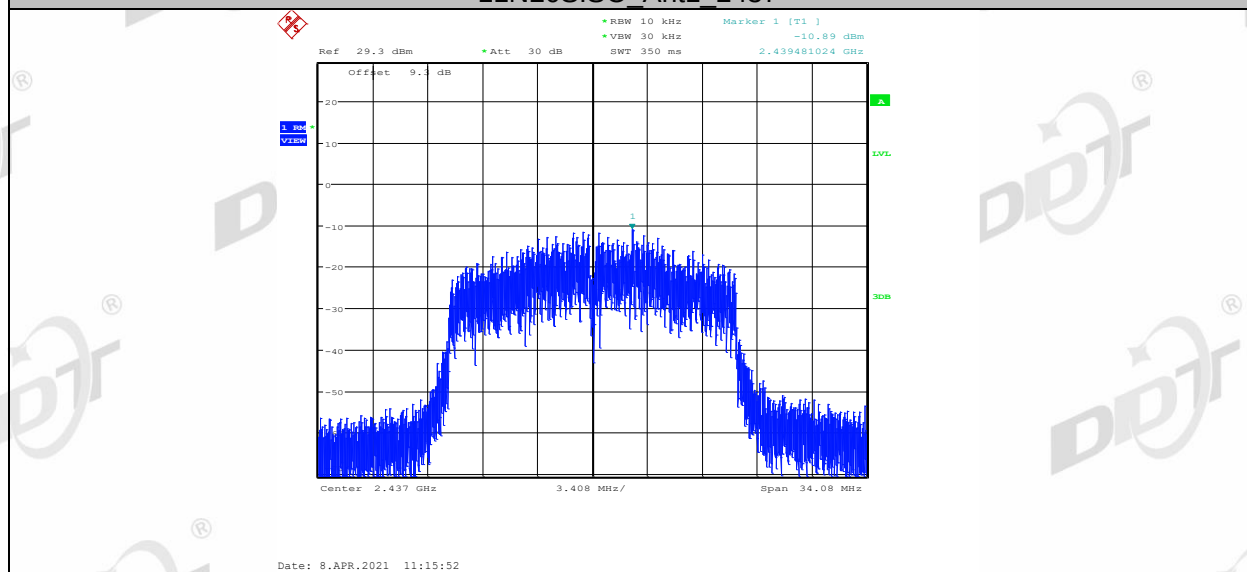
11G Ant1 2462



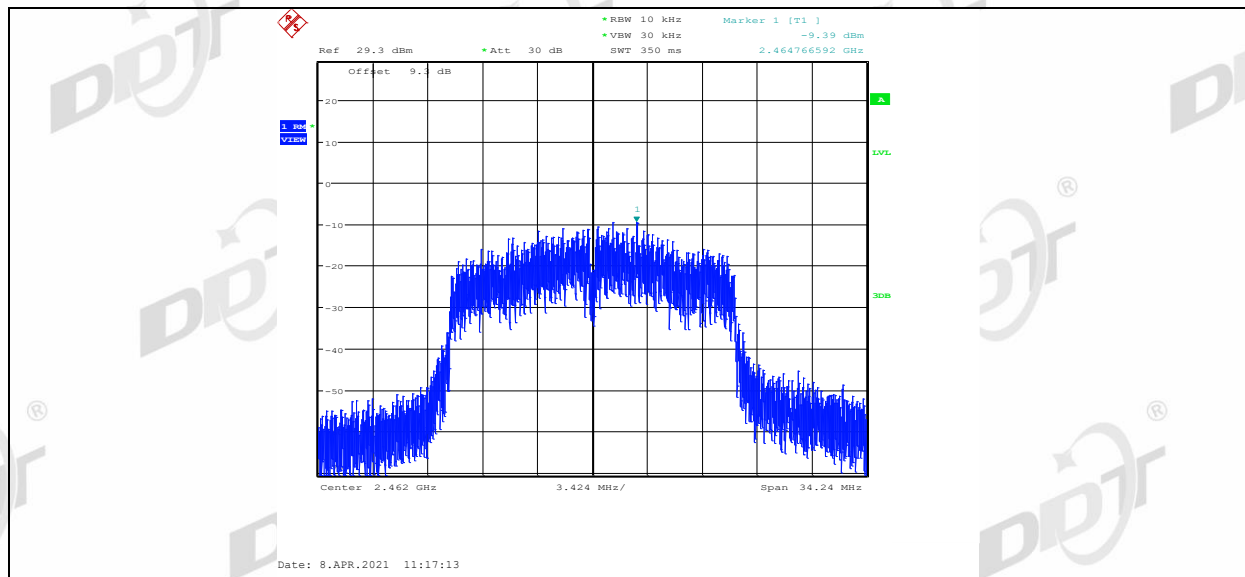
11N20SISO_Ant1_2412



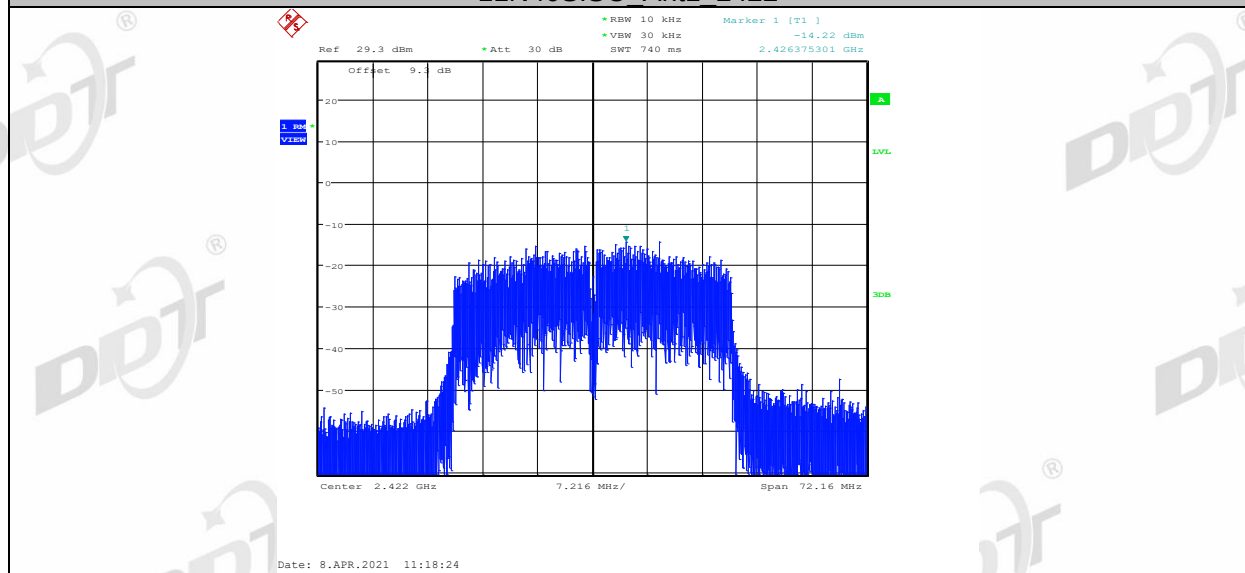
11N20SISO_Ant1_2437



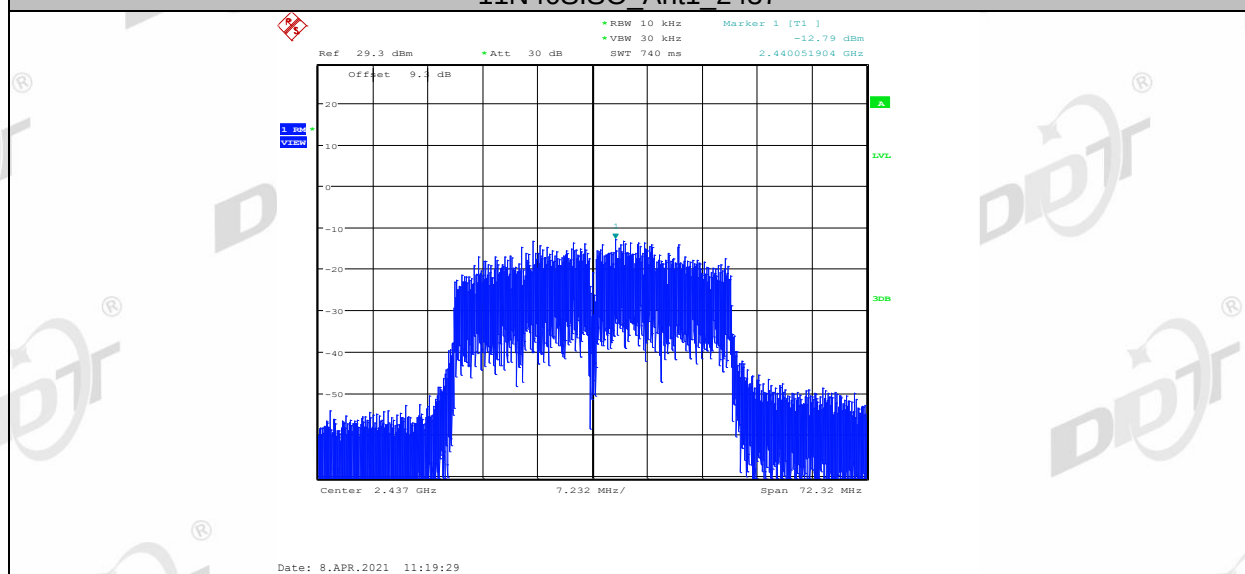
11N20SISO_Ant1_2462



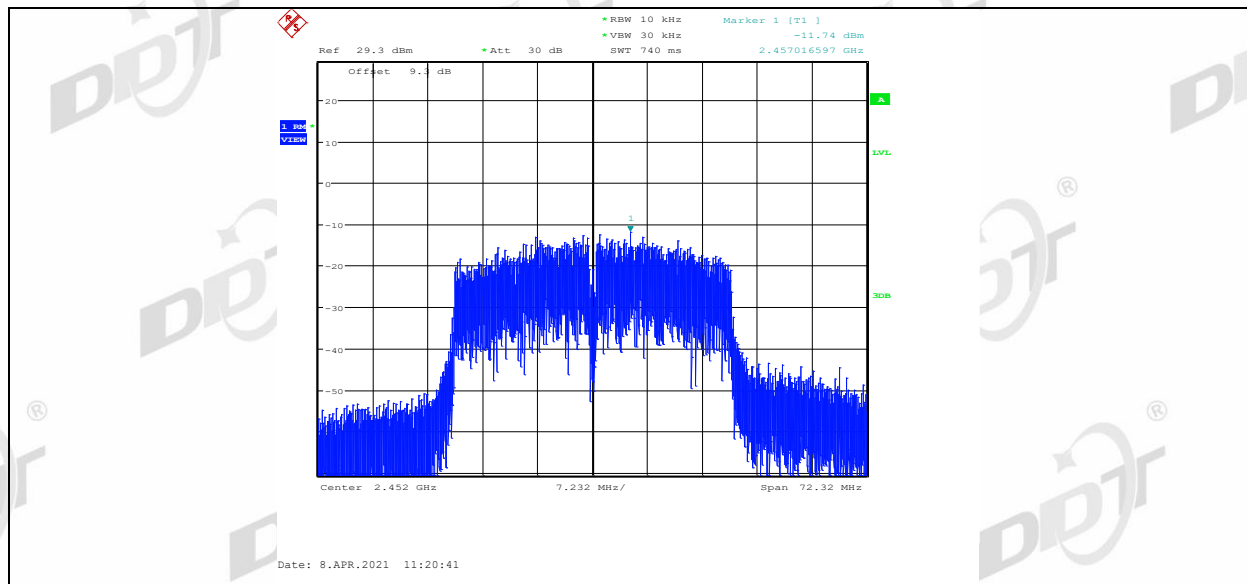
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



8. Band Edge and Spurious Emissions (Conducted)

8.1. Block diagram of test setup

Same as section 4.1

8.2. Limits

In any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 30 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power.

8.3. Test procedure

(1) Connect EUT's antenna output to spectrum analyzer by RF cable.

(2) Establish a reference level by using the following procedure:

Center frequency	DTS Channel center frequency
RBW:	100 kHz
VBW:	300 kHz
Span	1.5 times the DTS bandwidth
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

(3) Allow the trace to stabilize, use the peak marker function to determine the maximum peak power level to establish the reference level.

(4) Set the spectrum analyzer as follows:

RBW:	100 kHz
VBW:	300 kHz
Span	Encompass frequency range to be measured
Number of measurement points	$\geq \text{span}/\text{RBW}$
Detector Mode:	Peak
Sweep time:	auto
Trace mode	Max hold

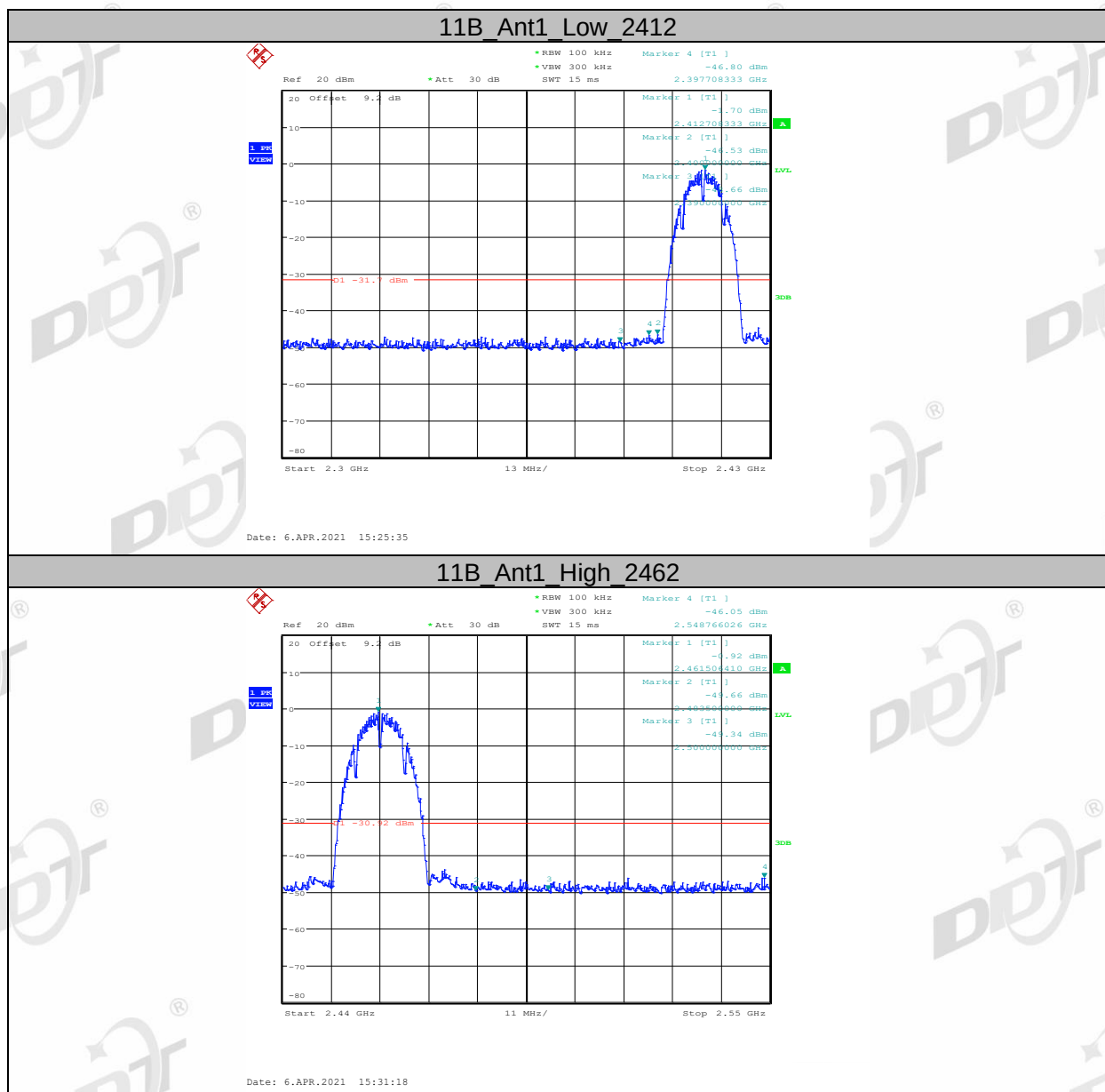
(5) Allow the trace to stabilize, use the peak marker function to determine the maximum amplitude of all unwanted emissions outside of the authorized frequency band

8.4. Test result

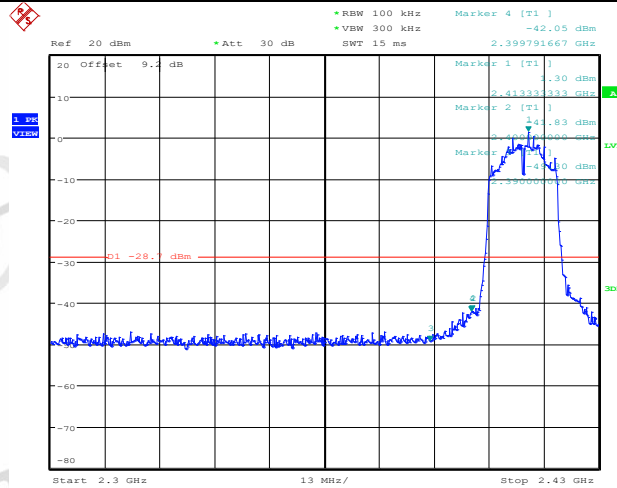
EUT Set Mode	CH or Frequency	Ant1 Result (dBm)	EUT Set Mode	CH or Frequency	Ant1 Result (dBm)
11b	CH1	Pass	11n HT 20	CH1	Pass
	CH6	Pass		CH6	Pass
	CH11	Pass		CH11	Pass
11g	CH1	Pass	11n HT 40	CH3	Pass
	CH6	Pass		CH6	Pass
	CH11	Pass		CH9	Pass

8.5. original test data

Band Edge

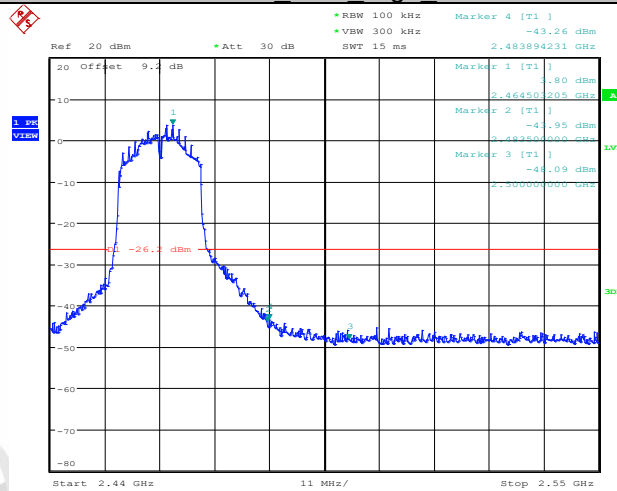


11G_Ant1_Low_2412



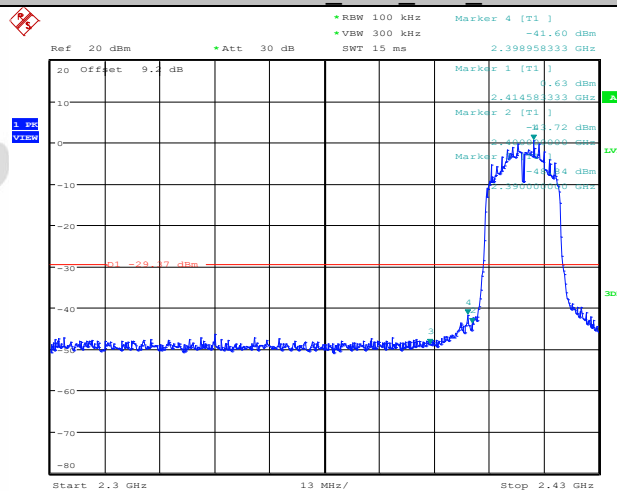
Date: 6.APR.2021 15:36:36

11G_Ant1_High_2462



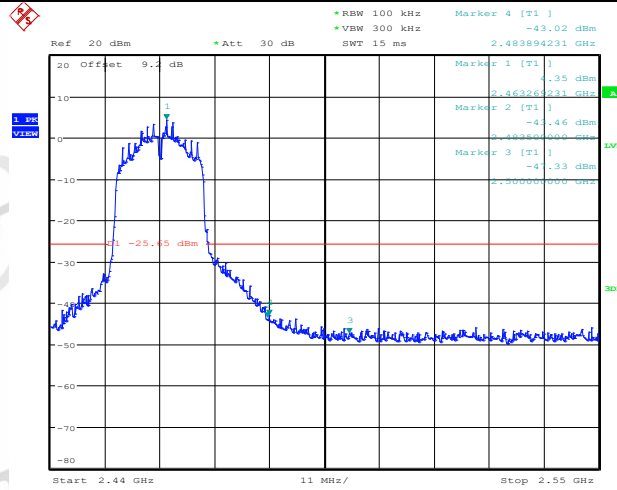
Date: 6.APR.2021 15:42:26

11N20SISO_Ant1_Low_2412



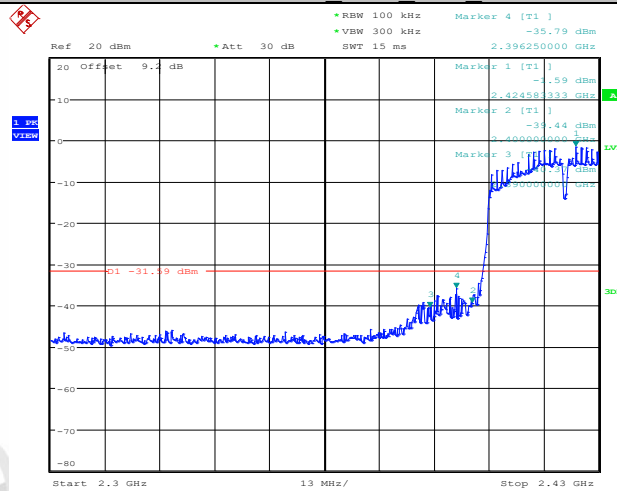
Date: 6.APR.2021 15:47:19

11N20SISO Ant1 High 2462



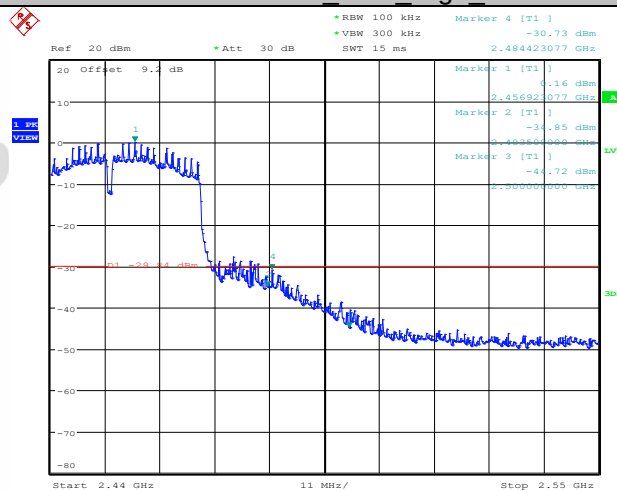
Date: 6.APR.2021 15:55:55

11N40SISO Ant1 Low 2422



Date: 6.APR.2021 16:00:01

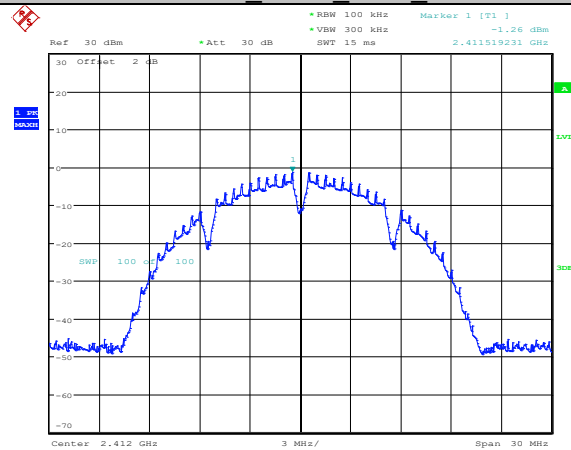
11N40SISO Ant1 High 2452



Date: 6.APR.2021 16:08:36

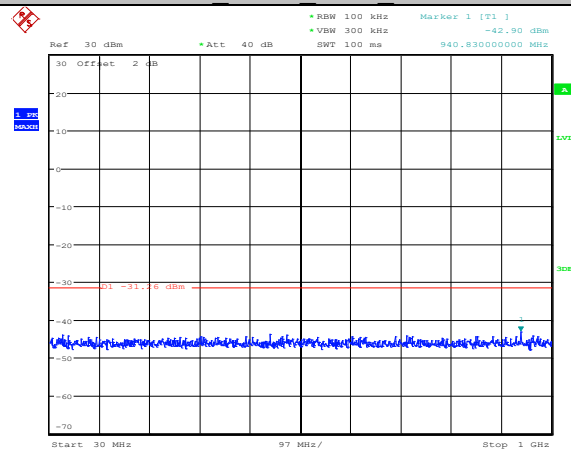
Spurious Emissions

11B ANT1 2412 Ref



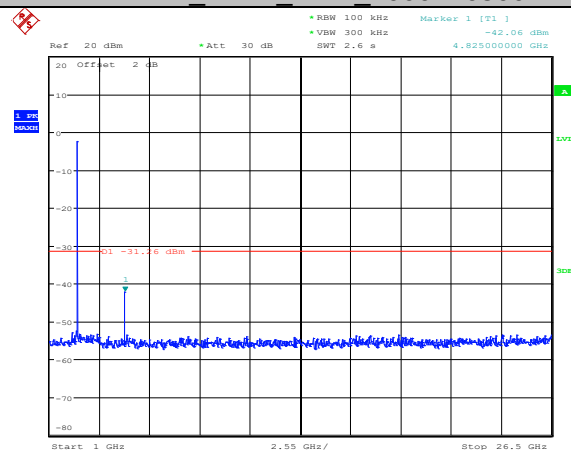
Date: 23.APR.2021 10:43:25

11B ANT1 2412 30~1000



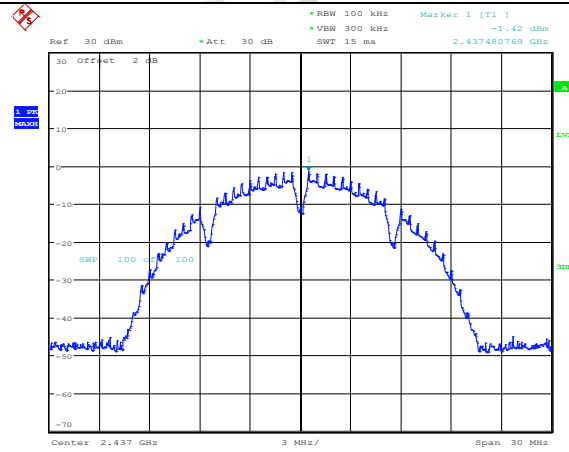
Date: 23.APR.2021 10:43:33

11B ANT1 2412 1000~26500



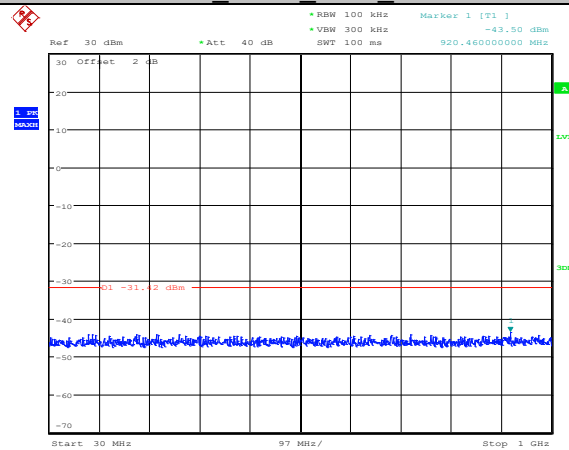
Date: 23.APR.2021 10:43:45

11B ANT1 2437 Ref



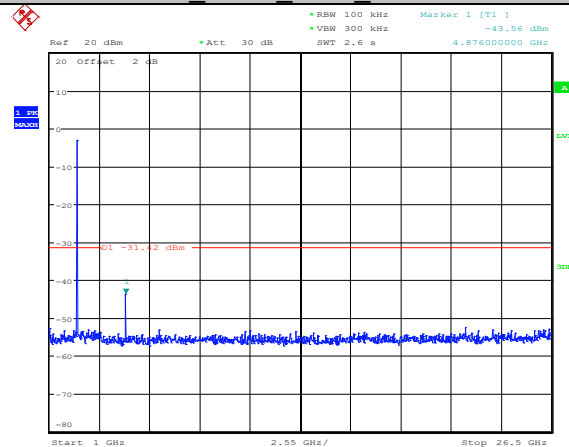
Date: 23.APR.2021 10:44:45

11B_ANT1_2437_30~1000



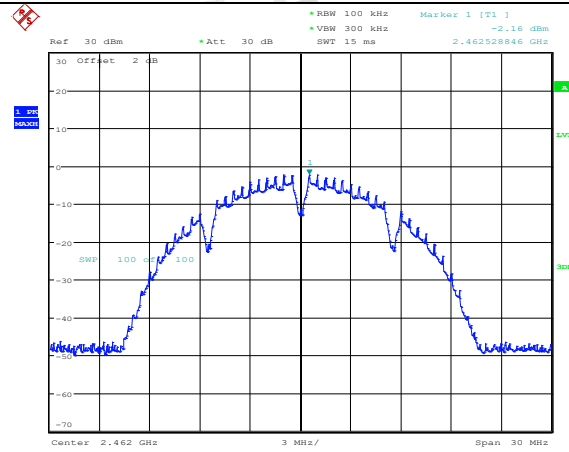
Date: 23.APR.2021 10:44:54

11B_ANT1_2437_1000~26500



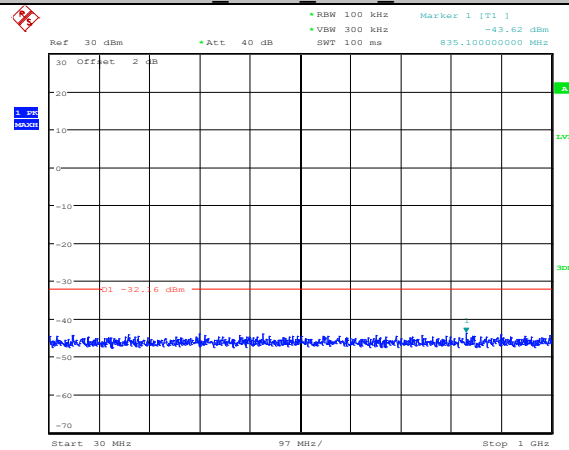
Date: 23.APR.2021 10:45:05

11B_ANT1_2462_Ref



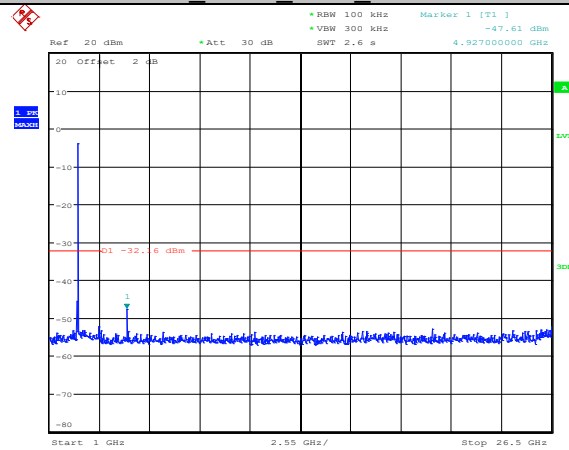
Date: 23.APR.2021 10:45:23

11B_ANT1_2462_30~1000



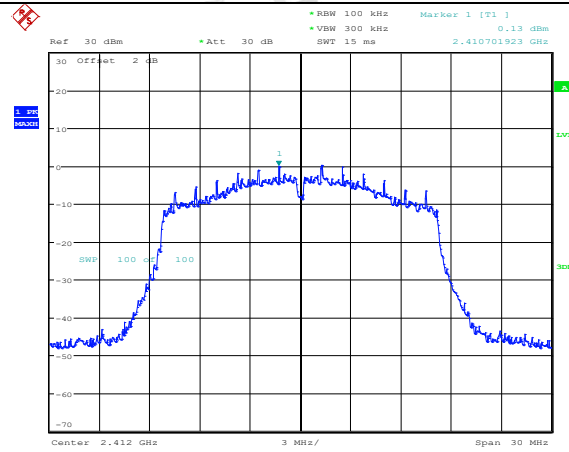
Date: 23.APR.2021 10:45:32

11B_ANT1_2462_1000~26500



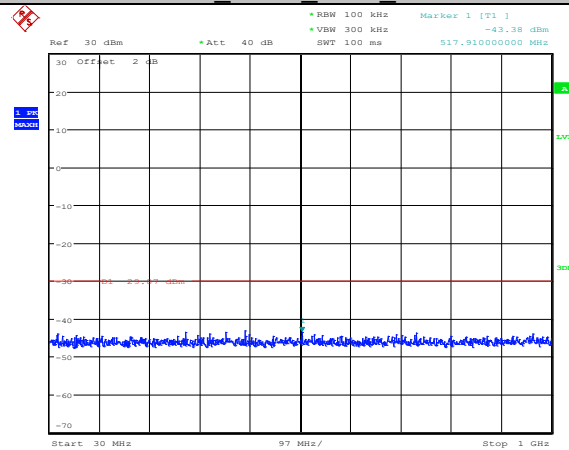
Date: 23.APR.2021 10:45:43

11G_ANT1_2412_Ref



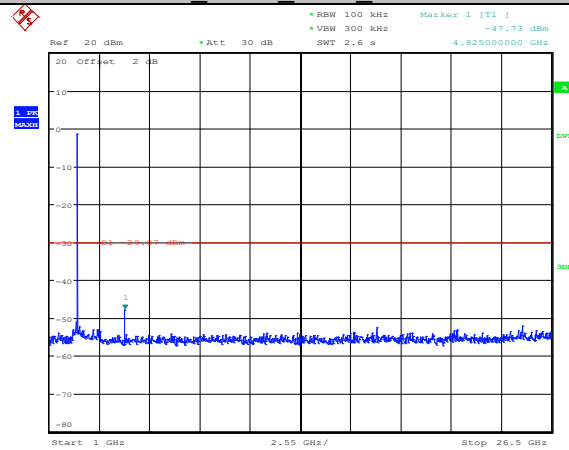
Date: 23.APR.2021 10:46:25

11G_ANT1 2412 30~1000



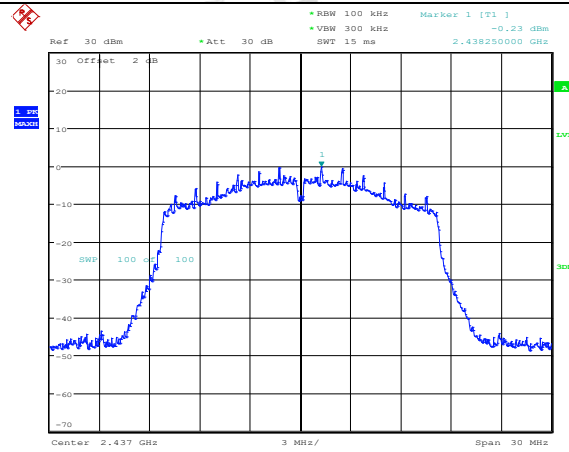
Date: 23.APR.2021 10:46:34

11G_ANT1 2412 1000~26500



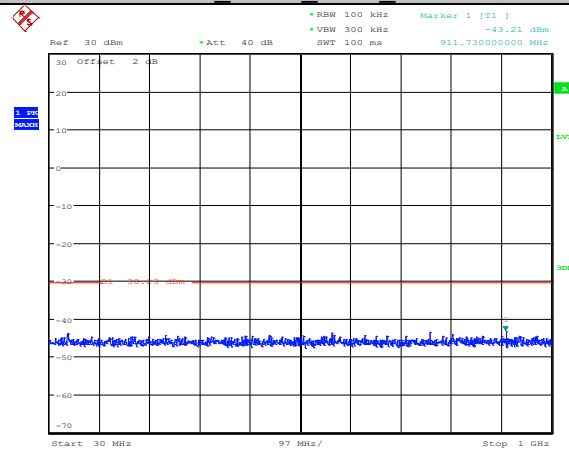
Date: 23.APR.2021 10:46:45

11G_ANT1 2437 Ref



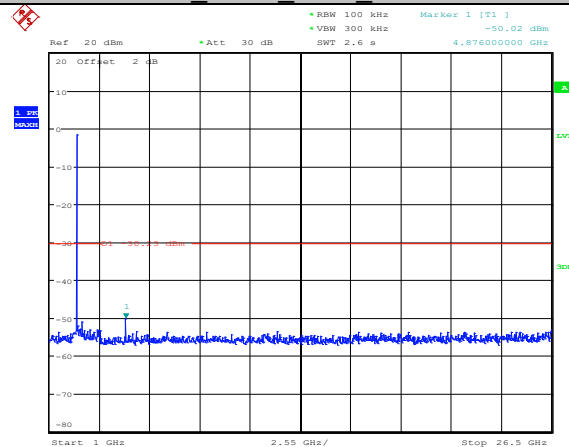
Date: 23.APR.2021 10:47:09

11G ANT1 2437 30~1000



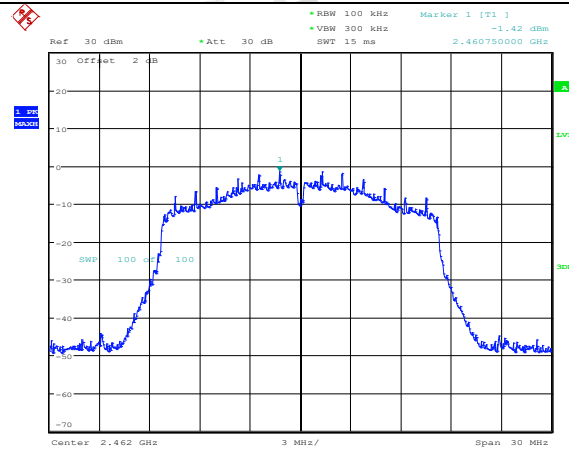
Date: 23.APR.2021 10:47:18

11G ANT1 2437 1000~26500



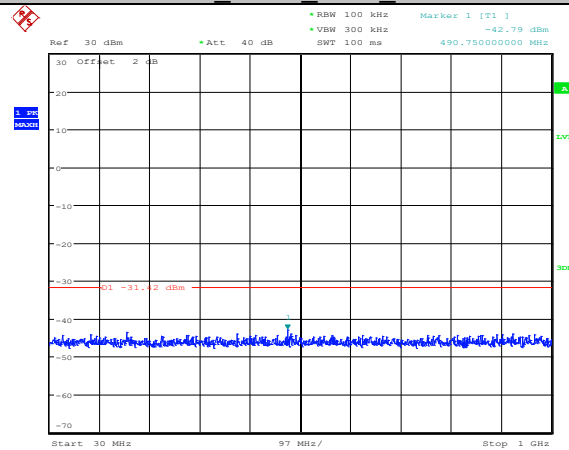
Date: 23.APR.2021 10:47:29

11G ANT1 2462 Ref



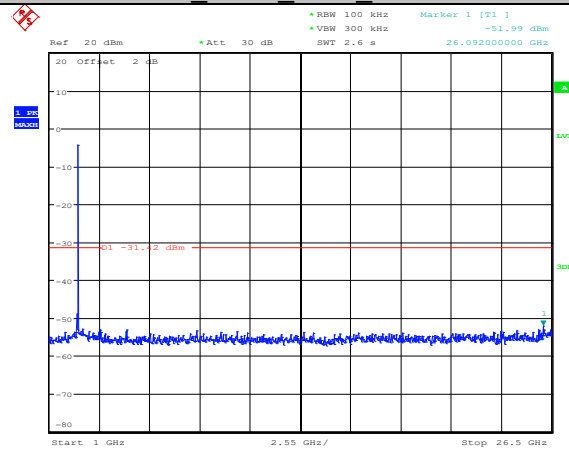
Date: 23.APR.2021 10:47:48

11G_ANT1 2462 30~1000



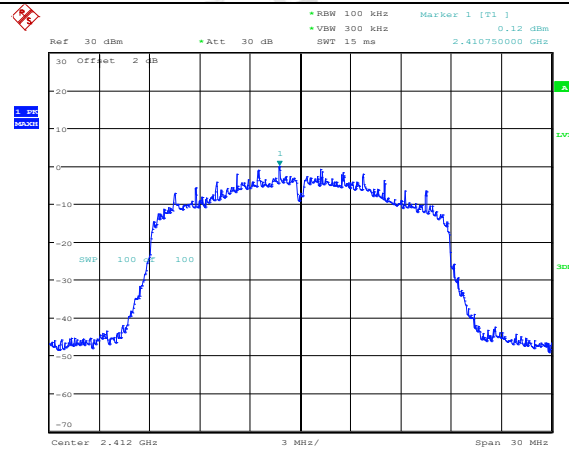
Date: 23.APR.2021 10:47:56

11G_ANT1 2462 1000~26500



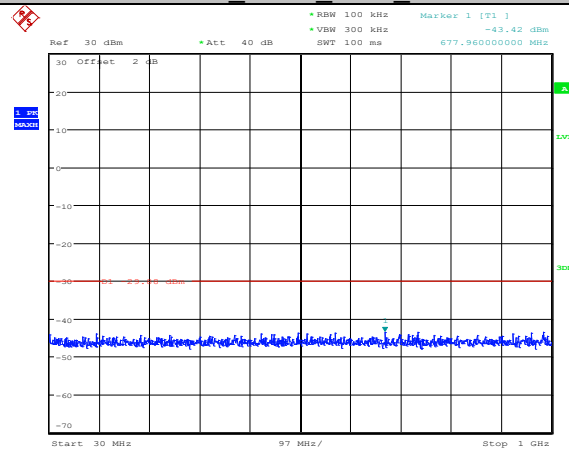
Date: 23.APR.2021 10:48:07

11N20_ANT1 2412 Ref



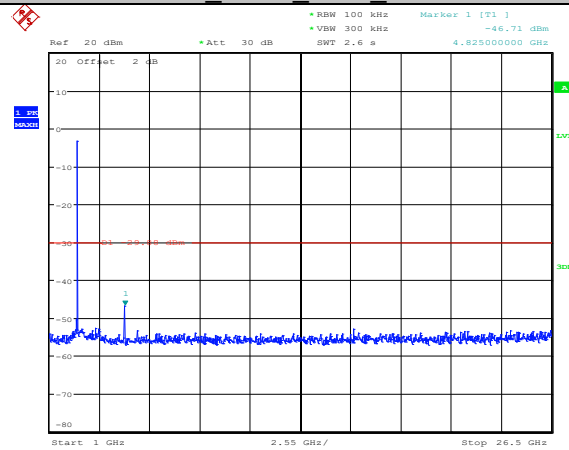
Date: 23.APR.2021 10:48:54

11N20 ANT1 2412 30~1000



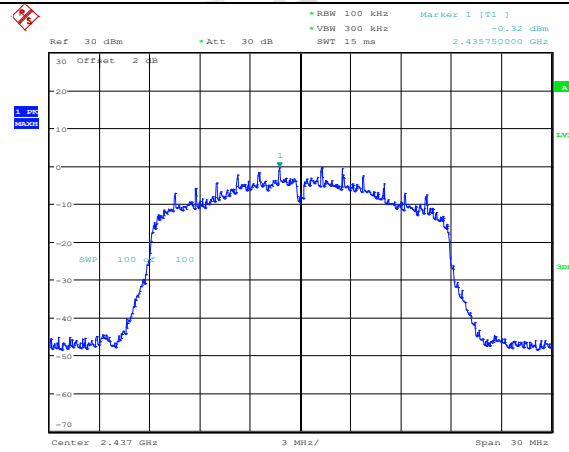
Date: 23.APR.2021 10:49:03

11N20 ANT1 2412 1000~26500



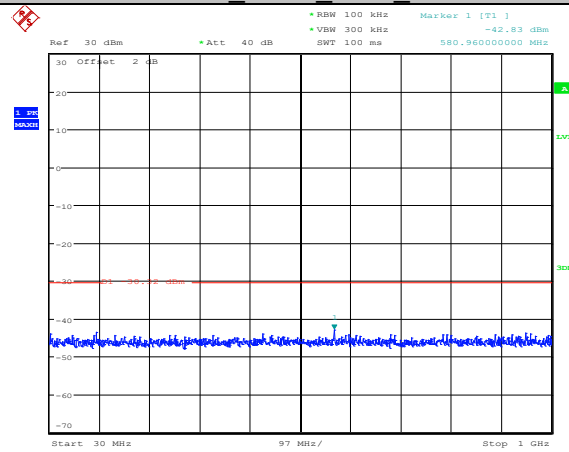
Date: 23.APR.2021 10:49:14

11N20 ANT1 2437 Ref



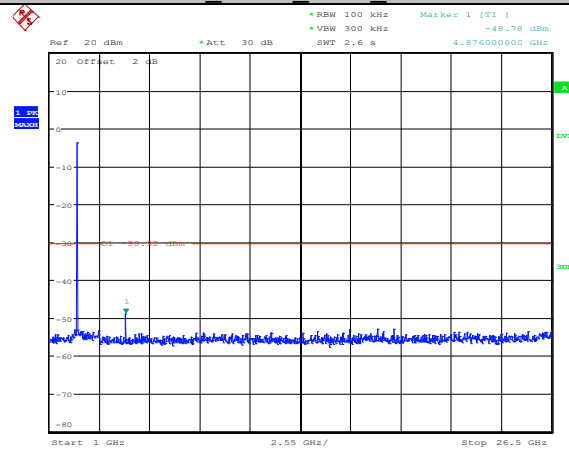
Date: 23.APR.2021 10:49:30

11N20 ANT1 2437 30~1000



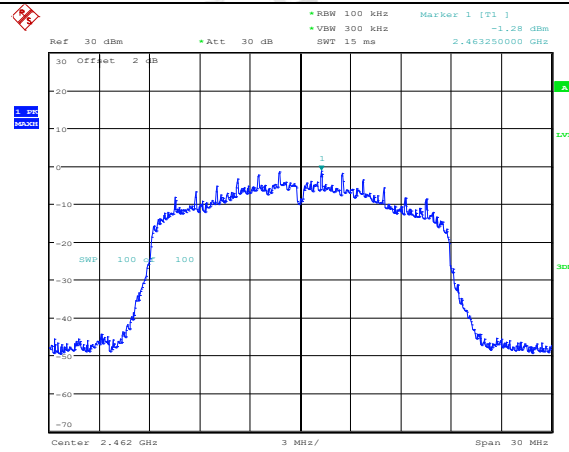
Date: 23.APR.2021 10:49:38

11N20 ANT1 2437 1000~26500



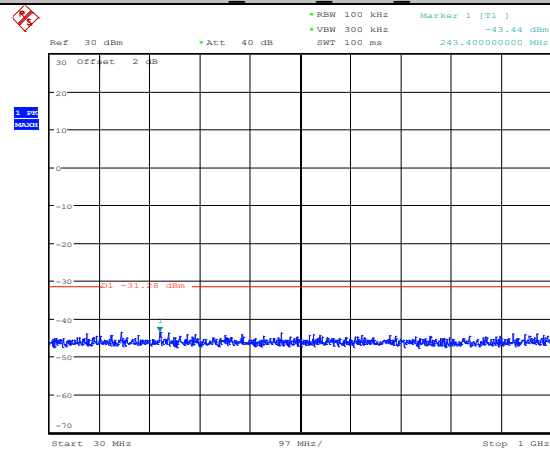
Date: 23.APR.2021 10:49:50

11N20 ANT1 2462 Ref



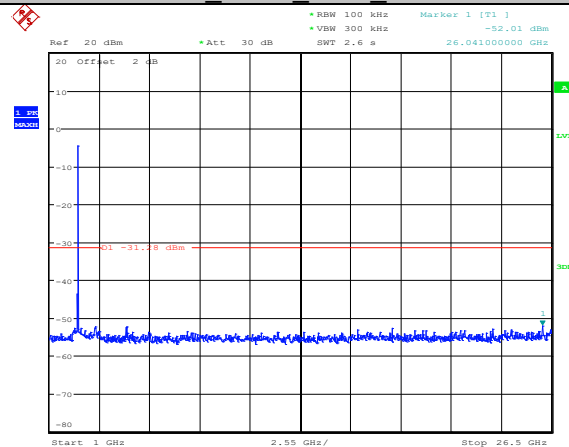
Date: 23.APR.2021 10:50:52

11N20 ANT1 2462 30~1000



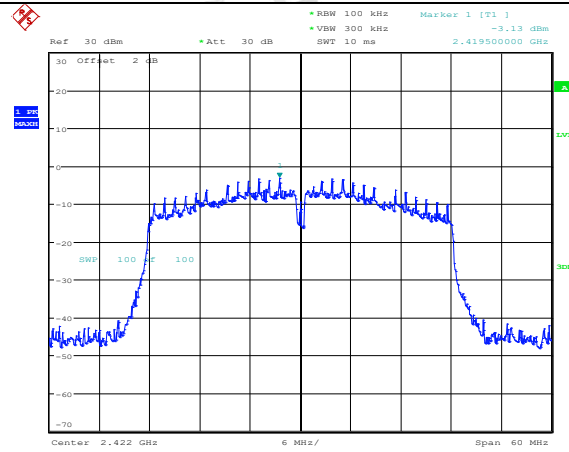
Date: 23.APR.2021 10:51:00

11N20 ANT1 2462 1000~26500



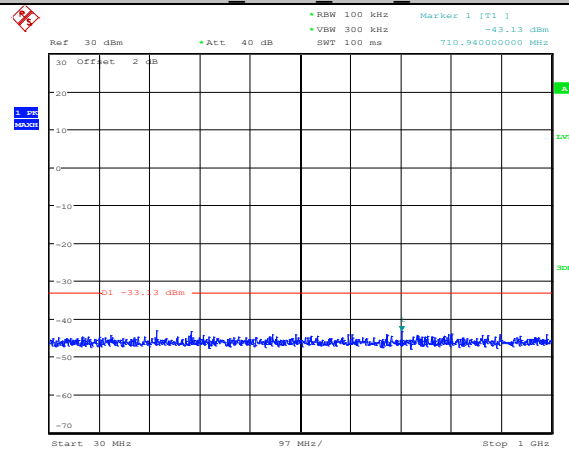
Date: 23.APR.2021 10:51:21

11N40 ANT1 2422 Ref



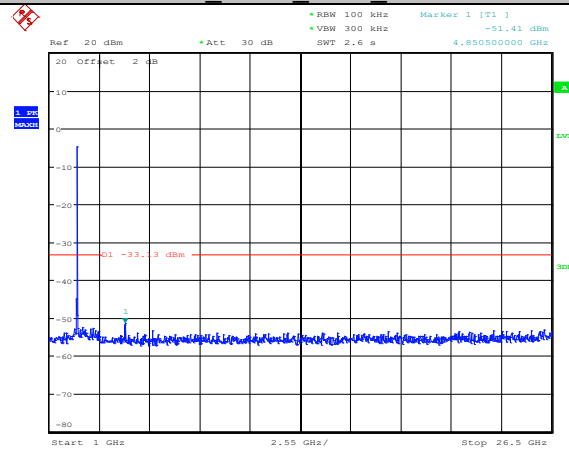
Date: 23.APR.2021 10:51:57

11N40 ANT1 2422 30~1000



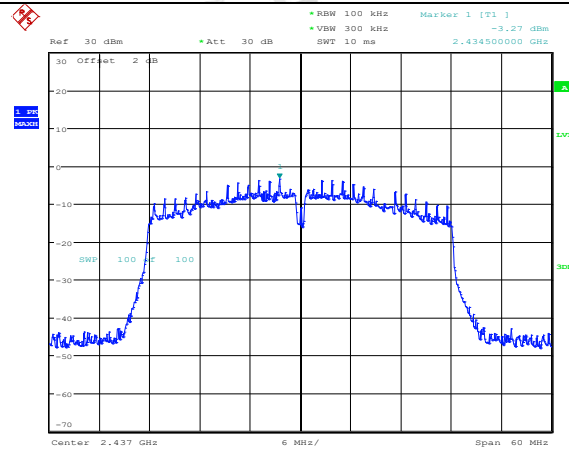
Date: 23.APR.2021 10:52:06

11N40 ANT1 2422 1000~26500



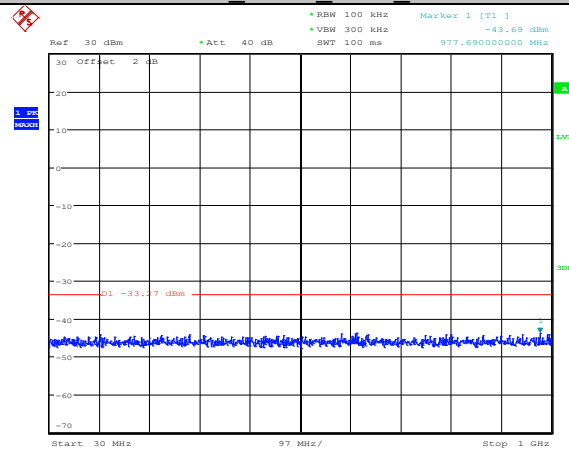
Date: 23.APR.2021 10:52:17

11N40 ANT1 2437 Ref



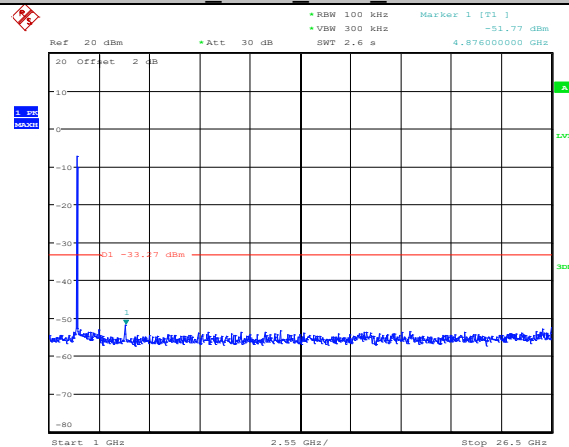
Date: 23.APR.2021 10:52:35

11N40 ANT1 2437 30~1000



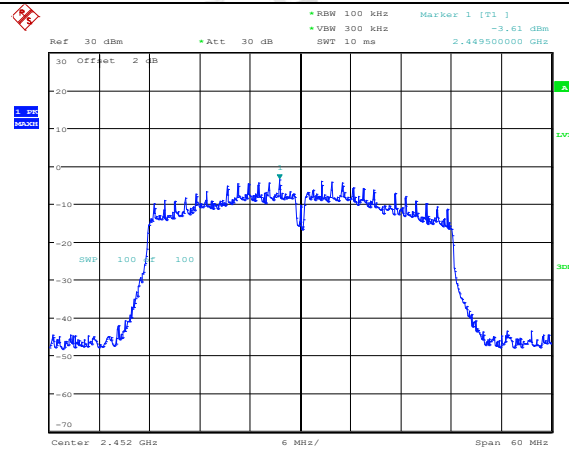
Date: 23.APR.2021 10:52:44

11N40 ANT1 2437 1000~26500



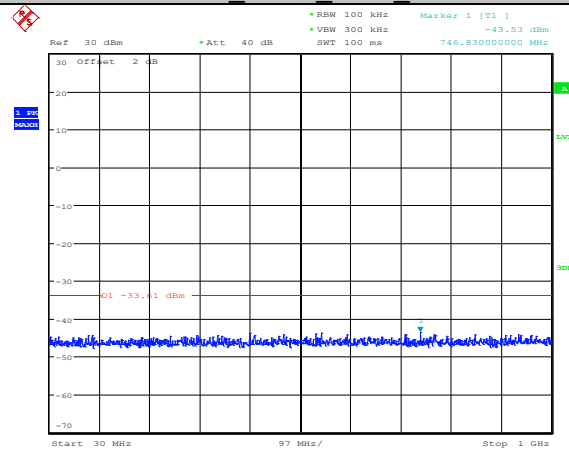
Date: 23.APR.2021 10:52:55

11N40 ANT1 2452 Ref



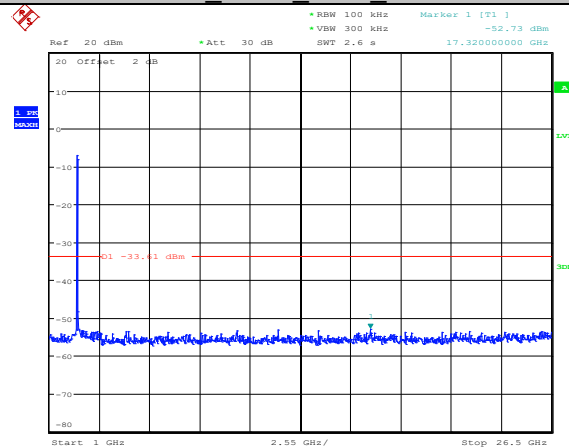
Date: 23.APR.2021 10:53:45

11N40 ANT1 2452 30~1000



Date: 23.APR.2021 10:53:54

11N40 ANT1 2452 1000~26500

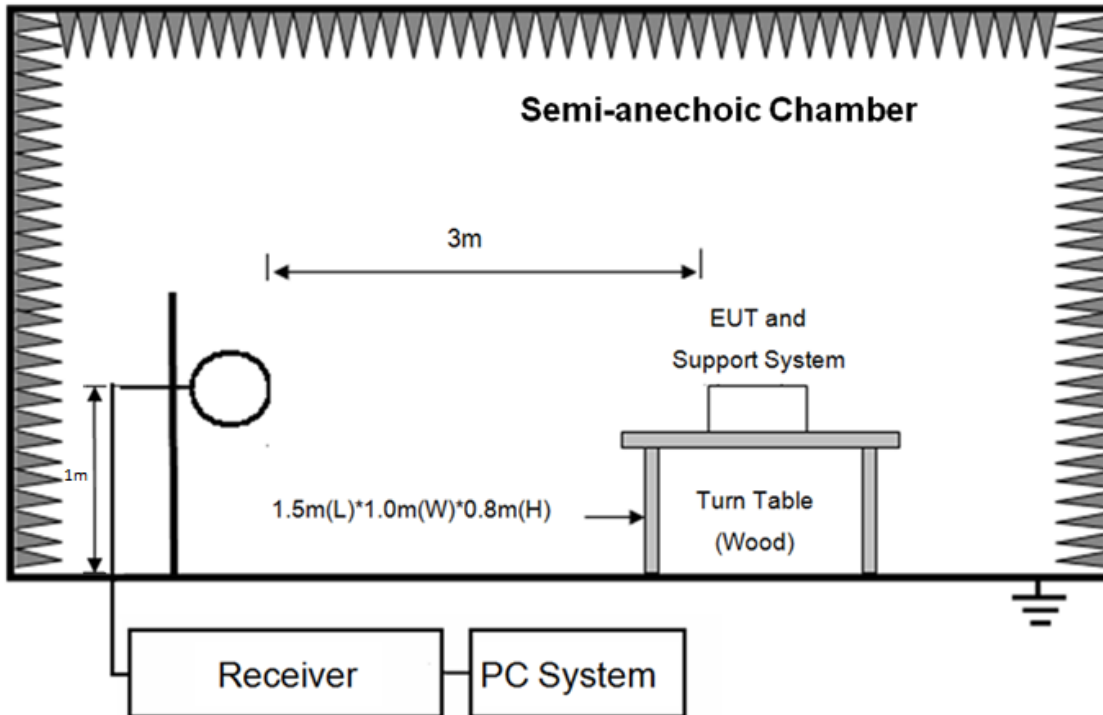


Date: 23.APR.2021 10:54:05

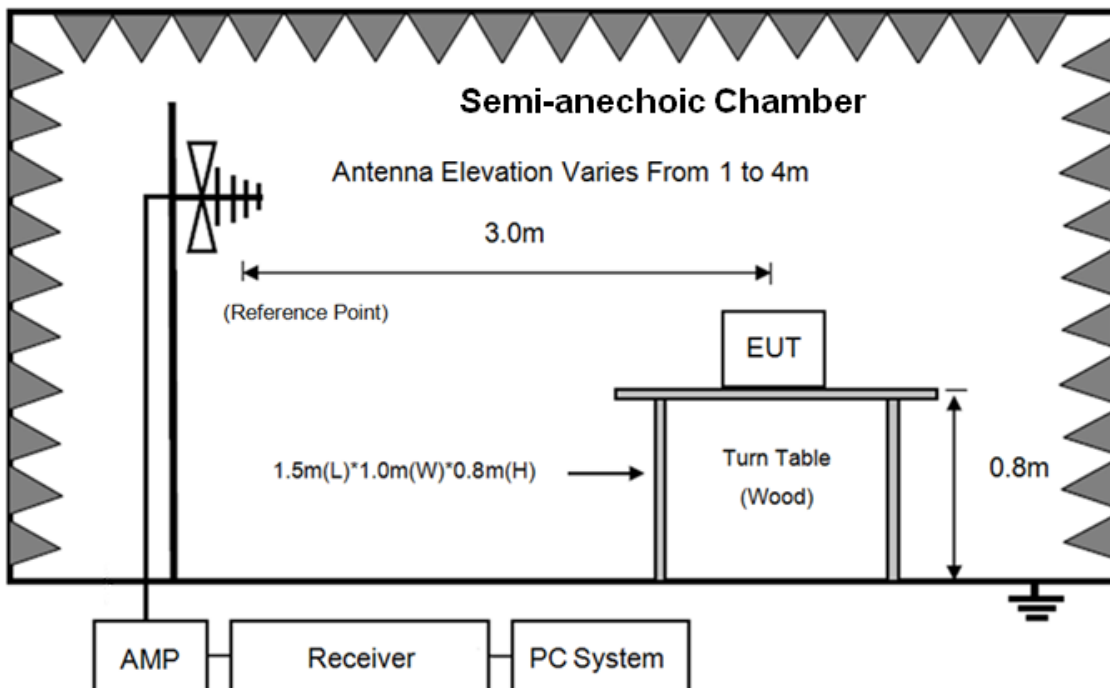
9. Radiated Spurious Emissions

9.1. Block diagram of test setup

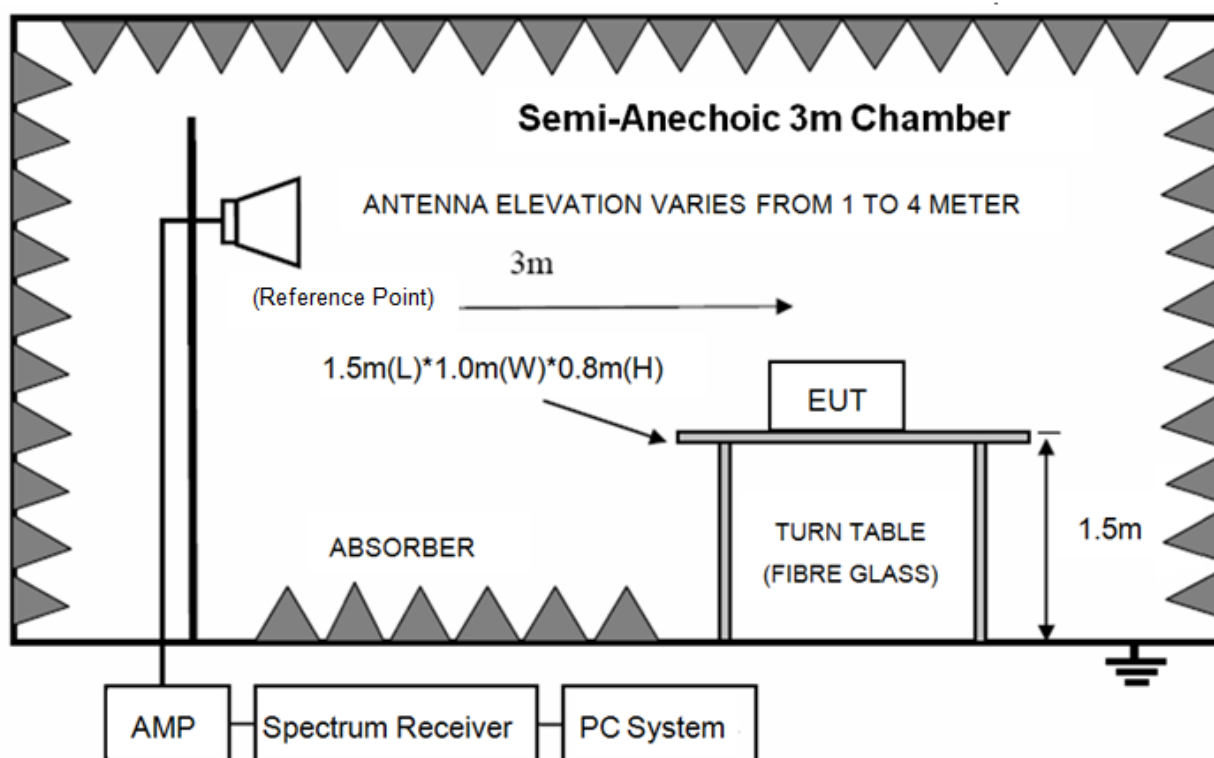
In 3 m Anechoic Chamber, test setup diagram for 9 kHz - 30 MHz:



In 3 m Anechoic Chamber, test setup diagram for 30 MHz – 1 GHz:



In 3 m Anechoic Chamber, test setup diagram for frequency above 1 GHz:



Note: For harmonic emissions test an appropriate high pass filter was inserted in the input port of AMP.

9.2. Limit

8.2.1 FCC 15.205 Restricted frequency band

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.1772&4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.2072&4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			

¹Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

²Above 38.6

8.2.2 FCC 15.209 Limit.

FREQUENCY MHz	DISTANCE Meters	FIELD STRENGTHS LIMIT	
		$\mu\text{V/m}$	$\text{dB}(\mu\text{V})/\text{m}$
0.009 ~ 0.490	300	2400/F(kHz)	67.6-20log(F)
0.490 ~ 1.705	30	24000/F(kHz)	87.6-20log(F)
1.705 ~ 30.0	30	30	29.54
30 ~ 88	3	100	40.0
88 ~ 216	3	150	43.5
216 ~ 960	3	200	46.0
960 ~ 1000	3	500	54.0
Above 1000	3	74.0 dB(μV)/m (Peak) 54.0 dB(μV)/m (Average)	

Note: (1) The emission limits shown in the above table are based on measurements employing a CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000MHz. Radiated emissions limits in these three bands are based on measurements employing an average detector.

(2) At frequencies below 30MHz, measurement may be performed at a distance closer than that specified, and the limit at closer measurement distance can be extrapolated by below formula:

$$\text{Limit}_{3\text{m}}(\text{dB}\mu\text{V}/\text{m}) = \text{Limit}_{30\text{m}}(\text{dB}\mu\text{V}/\text{m}) + 40\text{Log}(30\text{m}/3\text{m})$$

8.2.3 Limit for this EUT

All the emissions appearing within 15.205 restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions shall be at least 20dB below the fundamental emissions or comply with 15.209 limits.

9.3. Test procedure

(1) EUT height should be 0.8 m for below 1 GHz at a semi-anechoic chamber while EUT height should be 1.5 m for above 1 GHz at full chamber or semi-anechoic chamber ground with absorbers.

(2) The antenna used as below table.

Test frequency range	Test antenna used	Measuring distance
9 kHz-30 MHz	Active Loop antenna	3 m
30 MHz-1 GHz	Trilog Broadband Antenna	3 m
1 GHz-18 GHz	Double Ridged Horn Antenna(1GHz-18GHz)	3 m
18 GHz-40 GHz	Horn Antenna(18GHz-40GHz)	1 m

According ANSI C63.10:2013 clause 6.4.4.2 and 6.5.3, for measurements below 30 MHz, the loop antenna was positioned with its plane vertical from the EUT and rotated about its vertical axis for maximum response at each azimuth position around the EUT. And the loop antenna also be positioned with its plane horizontal at the specified distance from the EUT. The center of the

loop is 1 m above the ground. for measurement above 30 MHz, the Trilog Broadband Antenna or Horn Antenna was located 3 m from EUT, Measurements were made with the antenna positioned in both the horizontal and vertical planes of Polarization, and the measurement antenna was varied from 1 m to 4 m. in height above the reference ground plane to obtain the maximum signal strength.

(3) Below pre-scan procedure was first performed in order to find prominent frequency spectrum radiated emissions from 9 kHz to 25 GHz:

(a) Scanning the peak frequency spectrum with the antenna specified in step (3), and the EUT was rotated 360 degree, the antenna height was varied from 1 m to 4 m (Except loop antenna, it's fixed 1m above ground.)

(b) Change work frequency or channel of device if practicable.

(c) Change modulation type of device if practicable.

(d) Change power supply range from 85% to 115% of the rated supply voltage

(e) Rotated EUT though three orthogonal axes to determine the attitude of EUT arrangement produces highest emissions.

Spectrum frequency from 9 kHz to 25 GHz (tenth harmonic of fundamental frequency) was investigated, and no any obvious emission were detected from 18GHz to 25GHz, so below final test was performed with frequency range from 9kHz to 18GHz.

(4) For final emissions measurements at each frequency of interest, the EUT was rotated and the antenna height was varied between 1 m and 4 m in order to maximize the emission. Measurements in both horizontal and vertical polarities were made and the data was recorded. In order to find the maximum emission, the relative positions of equipments and all of the interface cables were changed according to ANSI C63.10 2013 on Radiated Emission test.

(5) The emissions from 9 kHz to 1 GHz were measured based on CISPR QP detector except for the frequency bands 9-90 kHz, 110-490 kHz, for emissions from 9 kHz-90 kHz, 110 kHz-490 kHz and above 1 GHz were measured based on average detector, for emissions above 1 GHz, peak emissions also be measured and need comply with Peak limit.

(6) The emissions from 9 kHz to 1 GHz, QP or average values were measured with EMI receiver with below RBW

Frequency band	RBW
9 kHz-150 kHz	200 Hz
150 kHz-30 MHz	9 kHz
30 MHz-1 GHz	120 kHz

(7) For emissions above 1GHz, both Peak and Average level were measured with Spectrum Analyzer, and the RBW is set at 1 MHz, VBW is set at 3 MHz for Peak measure; RMS detector RBW 1 MHz VBW 10 Hz for Average measure (according ANSI C63.10:2013 clause 4.2.3.2.3 procedure for average measure).

9.4. Test result

Pass. (See below detailed test result)

All the emissions except fundamental emission from 9 kHz to 25 GHz were comply with 15.209 limit.

Note1: According exploratory test no any obvious emission was detected from 9 kHz to 30 MHz and 18 GHz to 25 GHz, so the final test was performed with frequency range from 30 MHz to 18 GHz and recorded in below.

Note2: For emissions below 1 GHz, according exploratory explorer test, when change Tx mode and channel, have no distinct influence on emissions level, so for emissions below 1 GHz, the final test was only performed with EUT working in 11n20, Tx CH11 mode.

Radiated Emission test (below 1GHz)

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\FCC
BELOW1G.EM6

Test Date : 2021-04-13

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

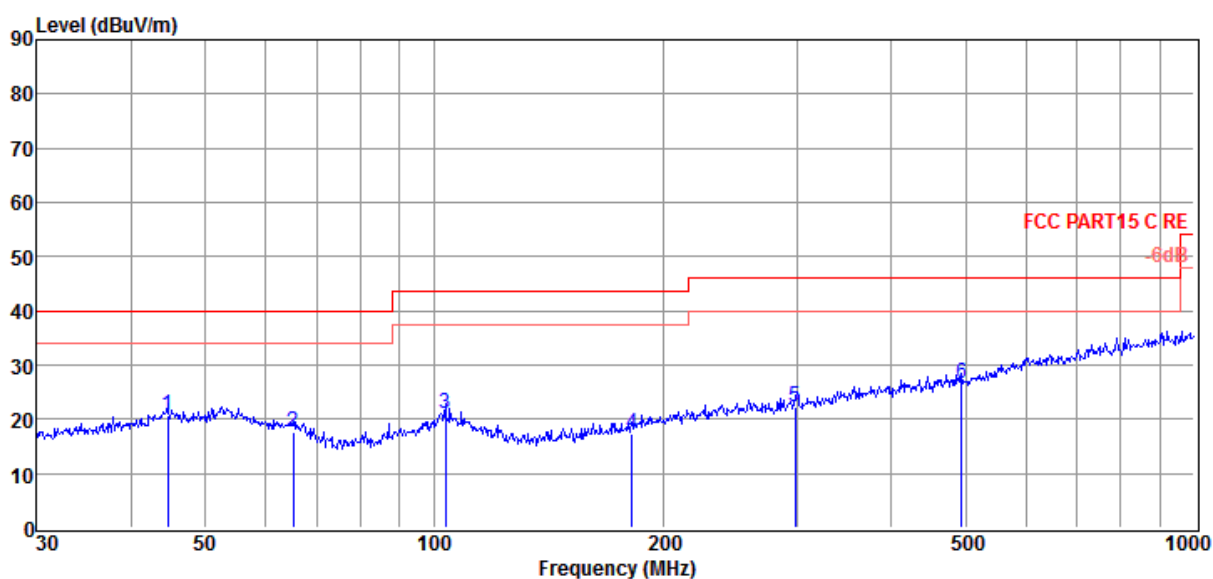
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 VULB 9163 2#/3m/VERTICAL

Memo :



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	44.59	3.99	12.96	3.80	20.75	40.00	-19.25	QP	VERTICAL
2	65.34	3.21	10.30	4.04	17.55	40.00	-22.45	QP	VERTICAL
3	103.44	4.45	12.00	4.43	20.88	43.50	-22.62	QP	VERTICAL
4	181.92	3.08	9.42	4.94	17.44	43.50	-26.06	QP	VERTICAL
5	298.27	3.52	13.25	5.47	22.24	46.00	-23.76	QP	VERTICAL
6	494.20	3.57	16.65	6.27	26.49	46.00	-19.51	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.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\FCC
BELOW1G.EM6

Test Date : 2021-04-13

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

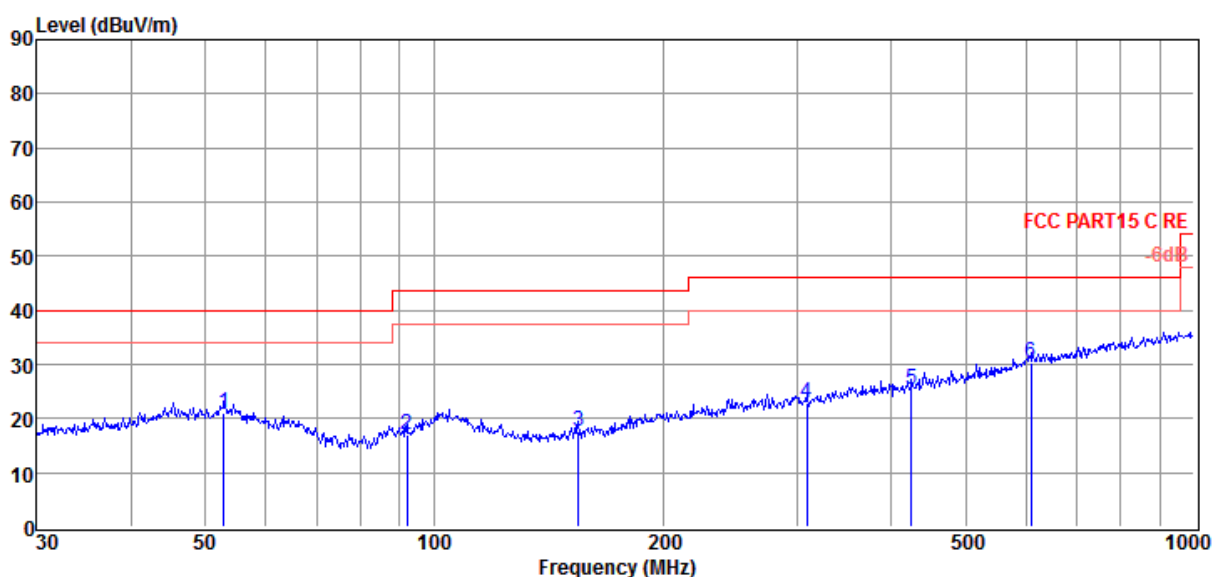
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 VULB 9163 2#/3m/HORIZONTAL

Memo :



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	52.95	3.47	13.77	3.88	21.12	40.00	-18.88	QP	HORIZONTAL
2	92.14	3.13	9.51	4.35	16.99	43.50	-26.51	QP	HORIZONTAL
3	154.82	4.74	8.05	4.78	17.57	43.50	-25.93	QP	HORIZONTAL
4	308.91	3.64	13.62	5.52	22.78	46.00	-23.22	QP	HORIZONTAL
5	425.03	3.33	15.90	6.02	25.25	46.00	-20.75	QP	HORIZONTAL
6	609.92	4.28	19.22	6.76	30.26	46.00	-15.74	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.

Radiated Emission test (above 1GHz)

Freq (MHz)	Read level (dBμV)	Antenna Factor (dB/m)	PRM Factor(dB)	Cable Loss (dB)	Result Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector type	Polarization
11n HT20 CH1									
4824.00	51.37	32.35	43.33	6.82	47.21	74.00	-26.79	Peak	HORIZONTAL
6644.00	46.03	35.45	43.17	7.86	46.17	74.00	-27.83	Peak	HORIZONTAL
7834.00	46.88	37.63	42.41	8.70	50.80	74.00	-23.20	Peak	HORIZONTAL
10435.00	45.12	39.50	42.51	10.35	52.46	74.00	-21.54	Peak	HORIZONTAL
12645.00	45.20	39.13	42.45	11.82	53.70	74.00	-20.30	Peak	HORIZONTAL
15586.00	42.81	39.50	42.06	12.43	52.68	74.00	-21.32	Peak	HORIZONTAL
4824.00	47.43	32.35	43.33	6.82	43.27	74.00	-30.73	Peak	VERTICAL
6644.00	45.65	35.45	43.17	7.86	45.79	74.00	-28.21	Peak	VERTICAL
8140.00	45.60	37.93	42.23	8.68	49.98	74.00	-24.02	Peak	VERTICAL
10129.00	45.38	39.01	42.29	10.30	52.40	74.00	-21.60	Peak	VERTICAL
11574.00	44.41	39.77	42.02	11.11	53.27	74.00	-20.73	Peak	VERTICAL
14855.00	41.66	40.66	41.81	12.79	53.30	74.00	-20.70	Peak	VERTICAL
11n HT20 CH6									
4874.00	51.96	32.45	43.29	6.88	48.00	74.00	-26.00	Peak	HORIZONTAL
7426.00	46.39	36.98	42.69	8.71	49.39	74.00	-24.61	Peak	HORIZONTAL
9534.00	45.44	38.80	42.02	9.70	51.92	74.00	-22.08	Peak	HORIZONTAL
11336.00	44.77	39.80	42.38	10.94	53.13	74.00	-20.87	Peak	HORIZONTAL
12951.00	45.49	39.62	42.92	11.25	53.44	74.00	-20.56	Peak	HORIZONTAL
15790.00	43.91	39.25	42.18	12.54	53.52	74.00	-20.48	Peak	HORIZONTAL
4874.00	51.96	32.45	43.29	6.88	48.00	74.00	-26.00	Peak	VERTICAL
6780.00	46.34	35.77	43.10	7.90	46.91	74.00	-27.09	Peak	VERTICAL
8786.00	46.34	38.17	41.90	9.22	51.83	74.00	-22.17	Peak	VERTICAL
10435.00	46.13	39.50	42.51	10.35	53.47	74.00	-20.53	Peak	VERTICAL
11829.00	44.59	39.67	41.65	11.09	53.70	74.00	-20.30	Peak	VERTICAL
13274.00	44.75	40.30	42.86	11.39	53.58	74.00	-20.42	Peak	VERTICAL
11n HT20 CH11									
4924.00	51.71	32.55	43.25	6.95	47.96	74.00	-26.04	Peak	HORIZONTAL
7154.00	47.07	36.55	42.89	8.24	48.97	74.00	-25.03	Peak	HORIZONTAL
8684.00	46.80	38.11	41.95	9.07	52.03	74.00	-21.97	Peak	HORIZONTAL
10435.00	46.20	39.50	42.51	10.35	53.54	74.00	-20.46	Peak	HORIZONTAL
12645.00	45.33	39.13	42.45	11.82	53.83	74.00	-20.17	Peak	HORIZONTAL
13529.00	43.76	40.84	42.73	11.61	53.48	74.00	-20.52	Peak	HORIZONTAL
4924.00	49.04	32.55	43.25	6.95	45.29	74.00	-28.71	Peak	VERTICAL
6661.00	45.59	35.49	43.16	7.86	45.78	74.00	-28.22	Peak	VERTICAL
8021.00	46.37	37.90	42.29	8.64	50.62	74.00	-23.38	Peak	VERTICAL
9500.00	45.82	38.80	42.01	9.66	52.27	74.00	-21.73	Peak	VERTICAL
11557.00	44.38	39.78	42.05	11.11	53.22	74.00	-20.78	Peak	VERTICAL
13376.00	44.23	40.53	42.81	11.47	53.42	74.00	-20.58	Peak	VERTICAL

Note: 1.30MHz~25GHz: (Scan with 11b, 11g, 11n HT20, 11n HT40, the worst case is 11n HT20 mode)

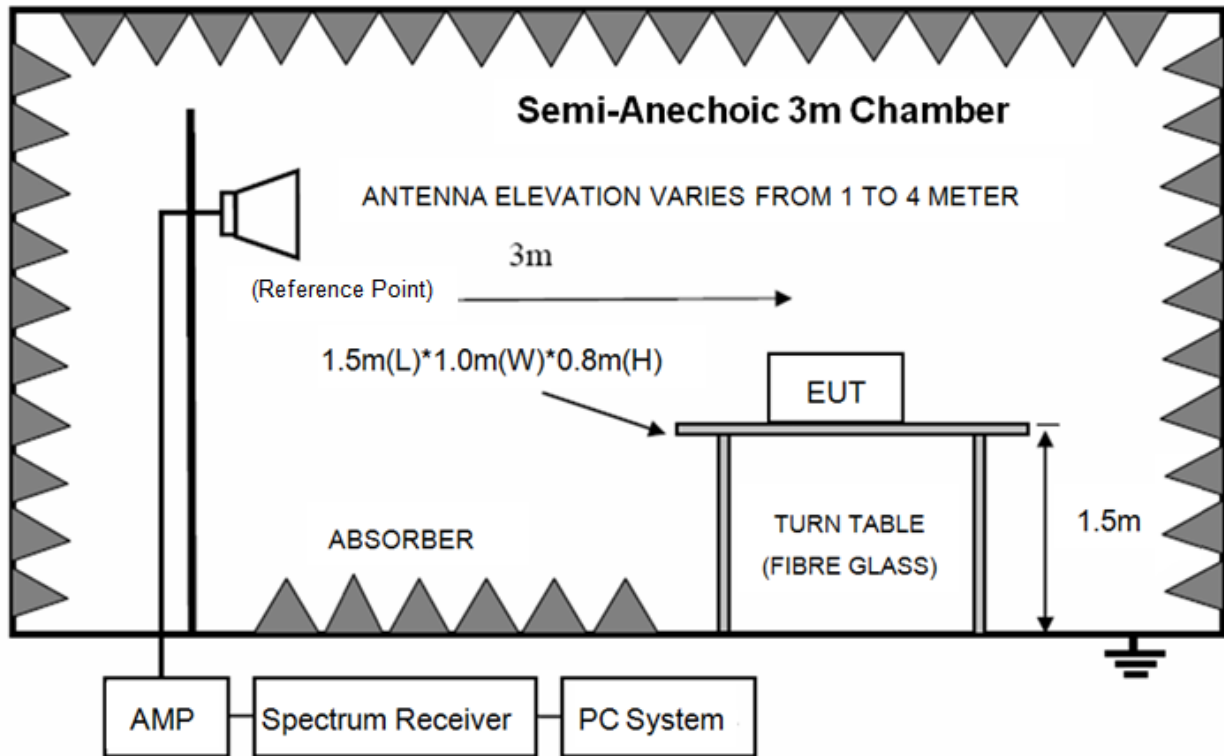
2. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

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

4. For emissions above 1GHz. If peak results comply with AV limit, AV Result is deemed to comply with AV limit.

10. Radiated Band Edge Compliance

10.1. Block diagram of test setup



10.2. Limit

All restricted frequency bands shall not exceed the limits shown in 15.209, all the other emissions outside operation frequency band 2400 MHz to 2483.5 MHz shall be at least 20dB below the fundamental emissions or comply with RSS-Gen Issue 3 clause 7.2.5 (Same as FCC 15.209) limits.

10.3. Test procedure

Same with clause 8.3 except change investigated frequency range from 2310 MHz to 2430 MHz and 2445 MHz to 2500 MHz, 2310 MHz to 2450 MHz and 2425 MHz to 2500MHz.

Remark: All restriction band have been tested, and shown in report.

10.4. Test result

Pass. (See below detailed test result)

Note: All mode was test and record this report.

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC
ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

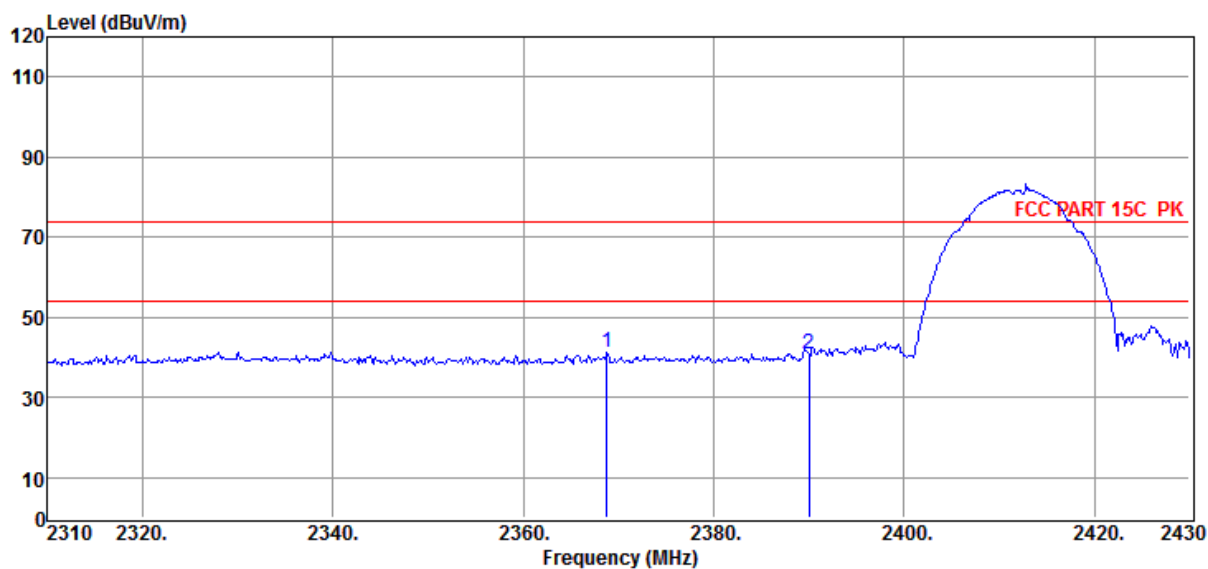
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/VERTICAL

Memo : 11b 2412



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2368.80	51.81	27.87	43.12	4.78	41.34	74.00	-32.66	Peak	VERTICAL
2	2390.00	51.26	27.89	43.14	4.80	40.81	74.00	-33.19	Peak	VERTICAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

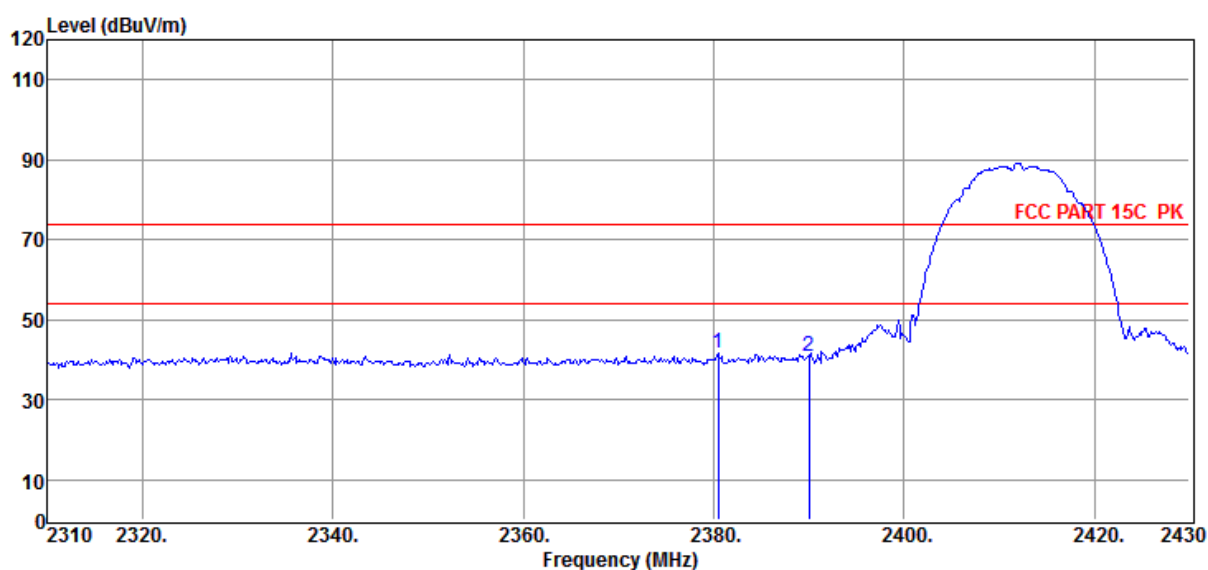
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/HORIZONTAL

Memo : 11b 2412



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2380.44	52.25	27.88	43.13	4.79	41.79	74.00	-32.21	Peak	HORIZONTAL
2	2390.00	51.46	27.89	43.14	4.80	41.01	74.00	-32.99	Peak	HORIZONTAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC
ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

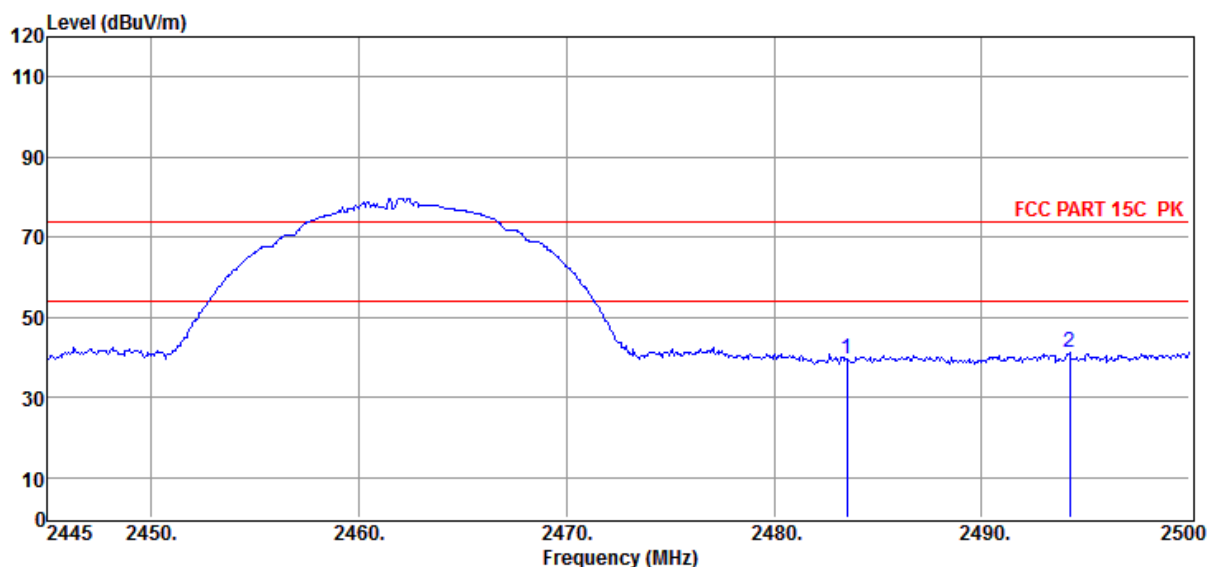
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/VERTICAL

Memo : 11b 2462



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	50.00	27.98	43.23	4.90	39.65	74.00	-34.35	Peak	VERTICAL
2	2494.23	51.38	27.99	43.24	4.91	41.04	74.00	-32.96	Peak	VERTICAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

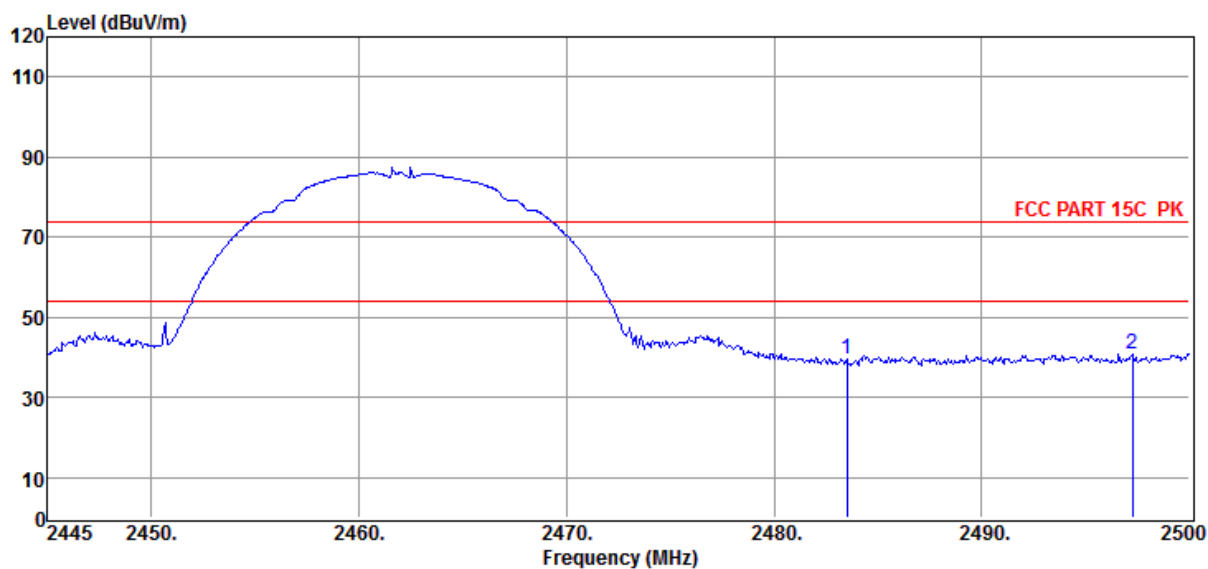
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/HORIZONTAL

Memo : 11b 2462



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	49.82	27.98	43.23	4.90	39.47	74.00	-34.53	Peak	HORIZONTAL
2	2497.25	51.36	28.00	43.25	4.92	41.03	74.00	-32.97	Peak	HORIZONTAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC
ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

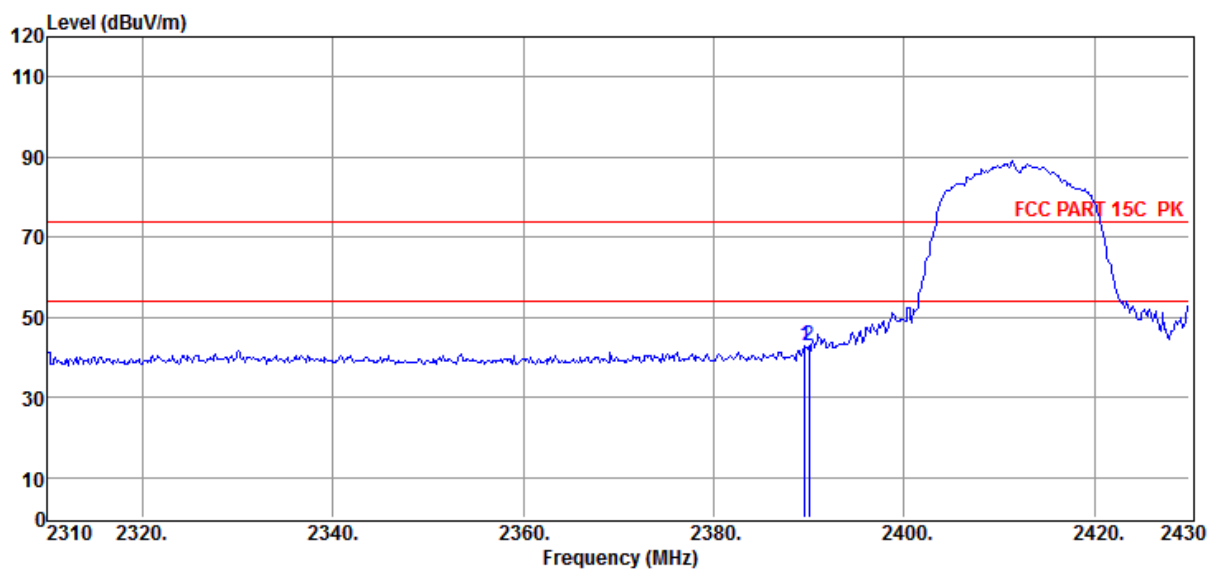
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/VERTICAL

Memo : 11g 2412



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2389.56	53.21	27.89	43.14	4.80	42.76	74.00	-31.24	Peak	VERTICAL
2	2390.00	53.53	27.89	43.14	4.80	43.08	74.00	-30.92	Peak	VERTICAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

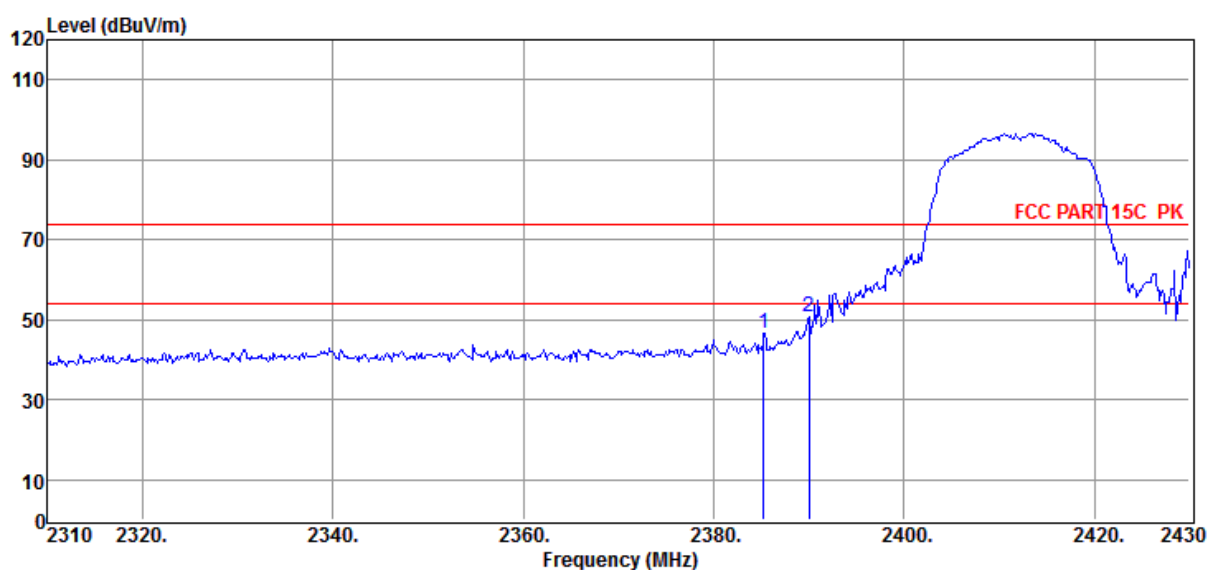
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/HORIZONTAL

Memo : 11g 2412



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2385.24	56.99	27.89	43.13	4.79	46.54	74.00	-27.46	Peak	HORIZONTAL
2	2390.04	61.19	27.89	43.14	4.80	50.74	74.00	-23.26	Peak	HORIZONTAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

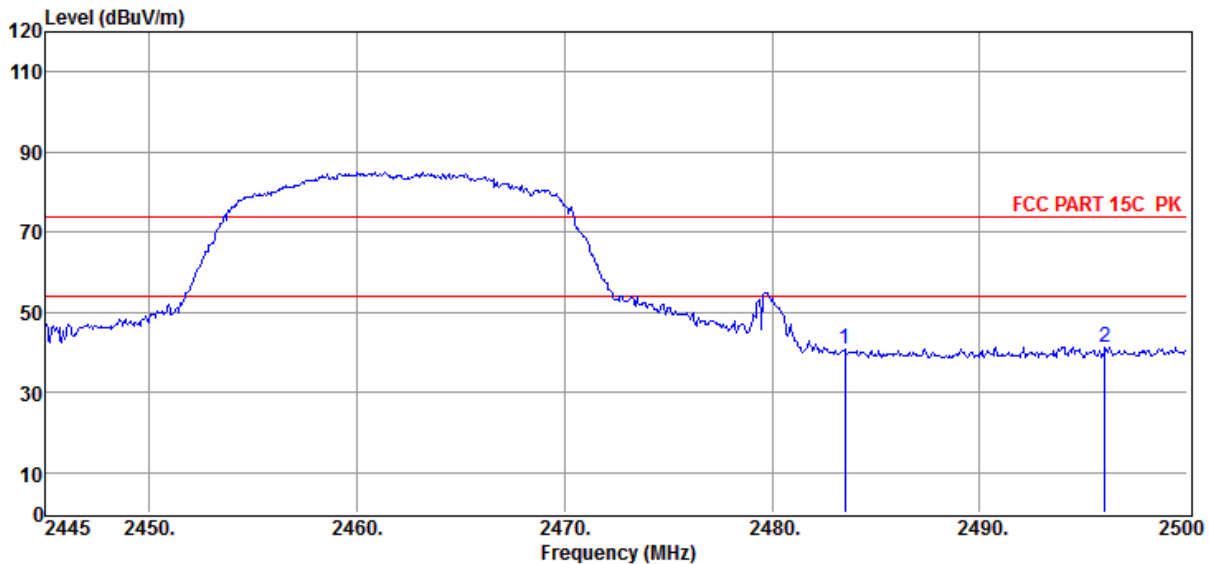
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/VERTICAL

Memo : 11g 2462



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	51.34	27.98	43.23	4.90	40.99	74.00	-33.01	Peak	VERTICAL
2	2496.04	51.65	28.00	43.25	4.92	41.32	74.00	-32.68	Peak	VERTICAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC
ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

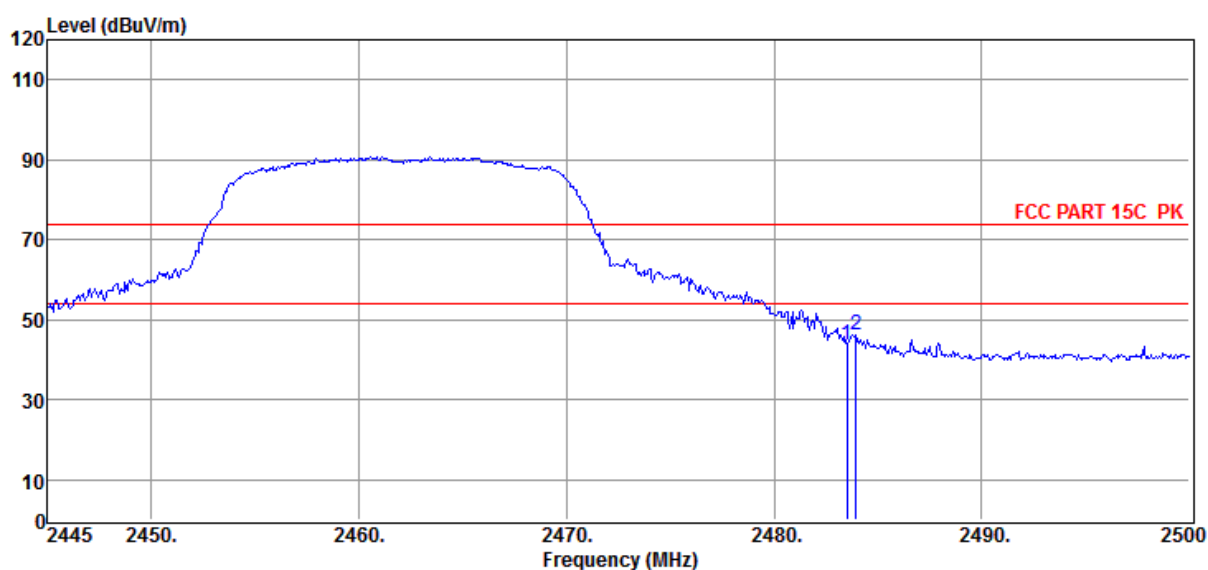
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/HORIZONTAL

Memo : 11g 2462



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	54.15	27.98	43.23	4.90	43.80	74.00	-30.20	Peak	HORIZONTAL
2	2483.94	56.47	27.98	43.23	4.90	46.12	74.00	-27.88	Peak	HORIZONTAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC
ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

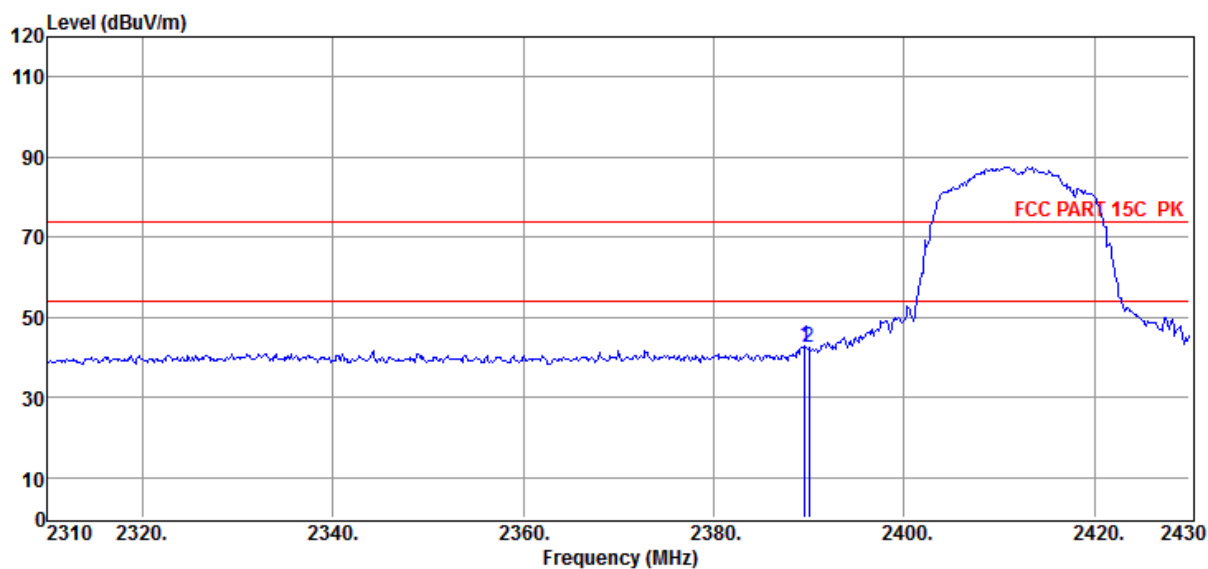
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/VERTICAL

Memo : 11n20 2412



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2389.56	53.46	27.89	43.14	4.80	43.01	74.00	-30.99	Peak	VERTICAL
2	2390.00	52.73	27.89	43.14	4.80	42.28	74.00	-31.72	Peak	VERTICAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC
ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

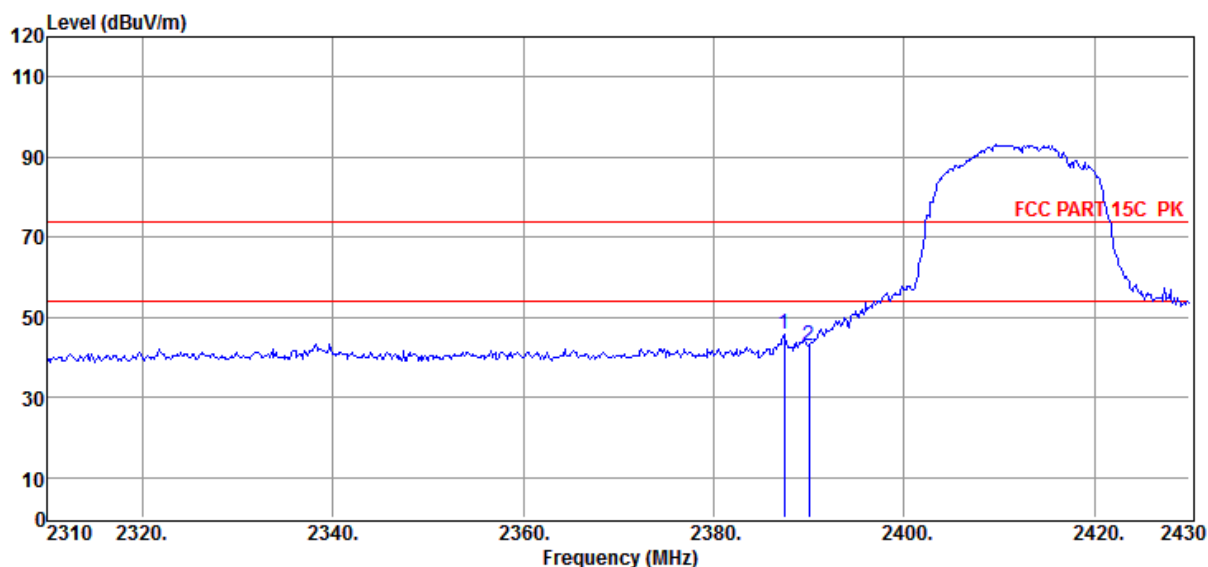
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/HORIZONTAL

Memo : 11n20 2412



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2387.40	56.27	27.89	43.14	4.80	45.82	74.00	-28.18	Peak	HORIZONTAL
2	2390.00	53.33	27.89	43.14	4.80	42.88	74.00	-31.12	Peak	HORIZONTAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

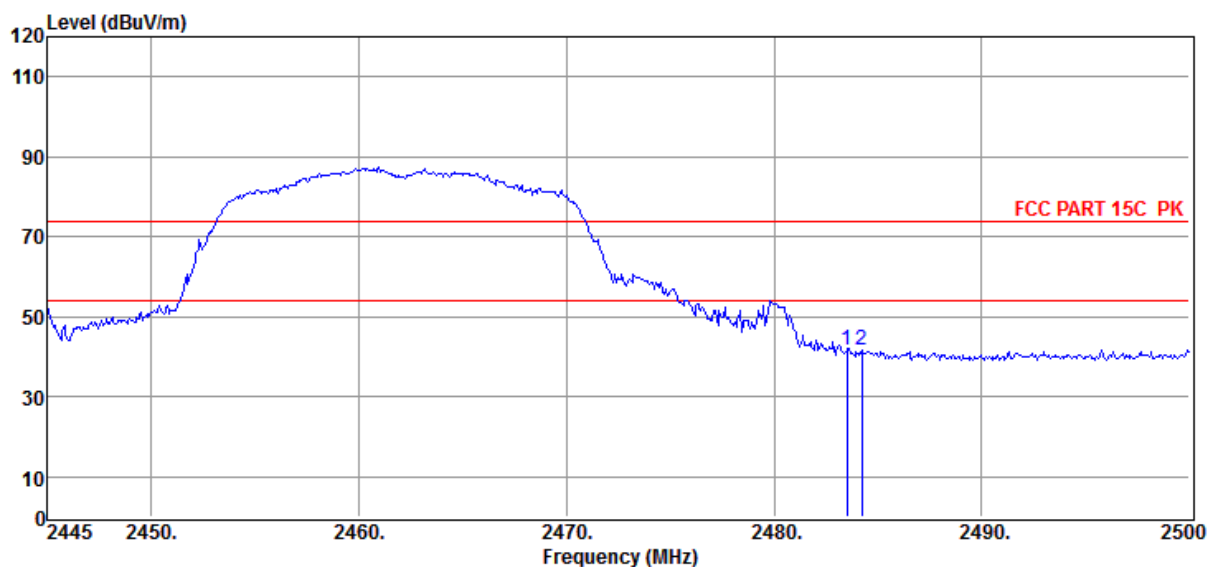
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/VERTICAL

Memo : 11n20 2462



Item (Mark)	Freq. (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBuV/m)	Limit Line (dBuV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	52.11	27.98	43.23	4.90	41.76	74.00	-32.24	Peak	VERTICAL
2	2484.22	51.89	27.98	43.23	4.90	41.54	74.00	-32.46	Peak	VERTICAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

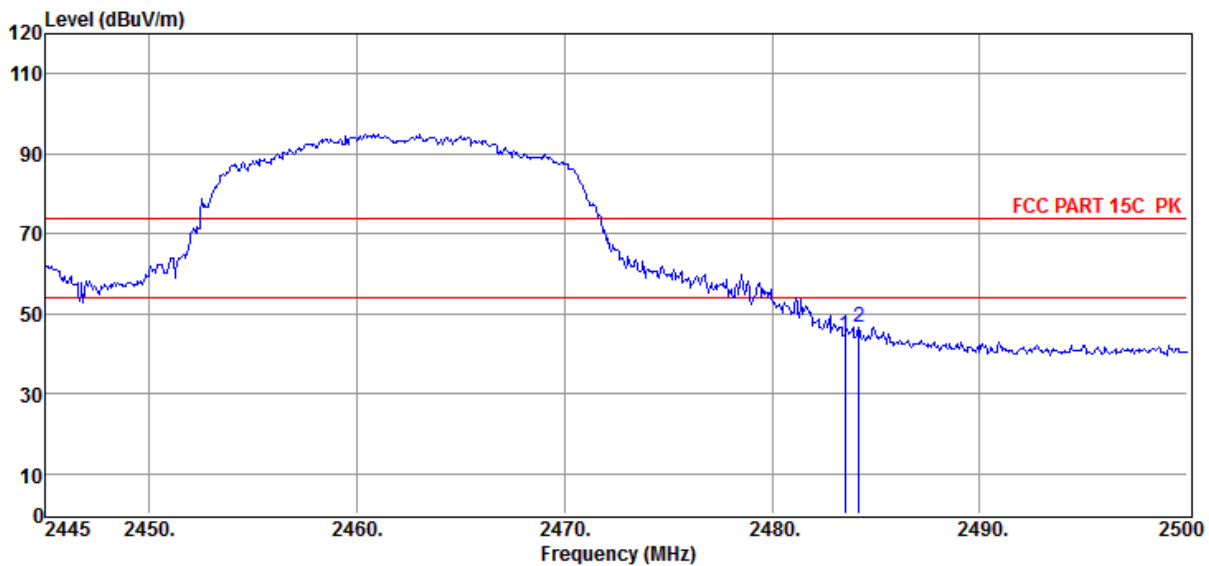
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/HORIZONTAL

Memo : 11n20 2462



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	54.75	27.98	43.23	4.90	44.40	74.00	-29.60	Peak	HORIZONTAL
2	2484.16	57.09	27.98	43.23	4.90	46.74	74.00	-27.26	Peak	HORIZONTAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

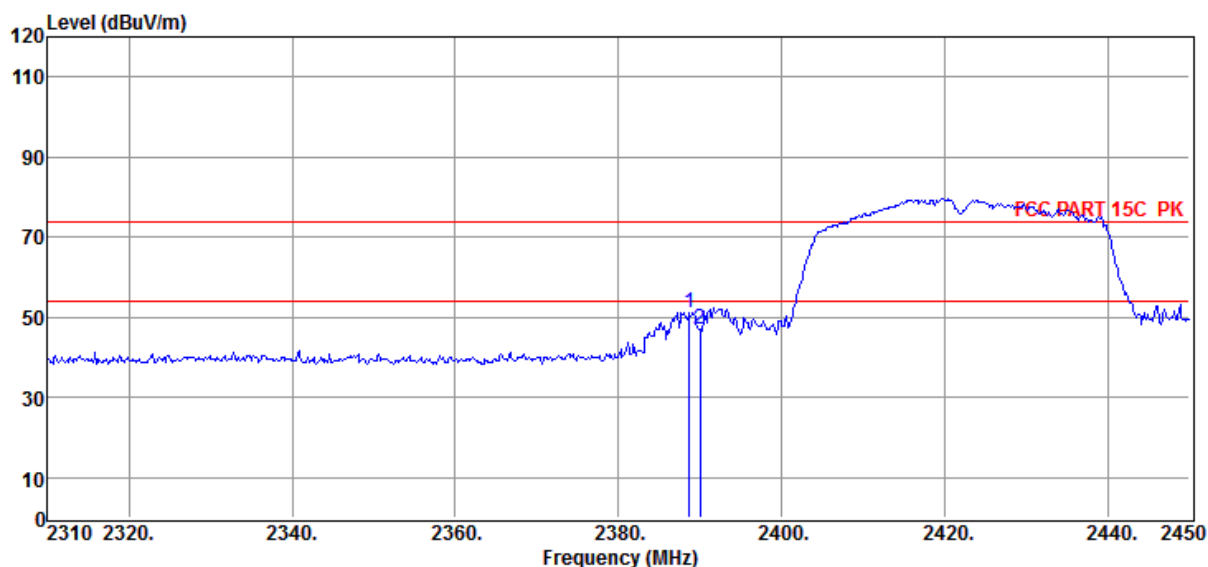
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/VERTICAL

Memo : 11n40 2422



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2388.68	61.79	27.89	43.14	4.80	51.34	74.00	-22.66	Peak	VERTICAL
2	2390.00	57.40	27.89	43.14	4.80	46.95	74.00	-27.05	Peak	VERTICAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

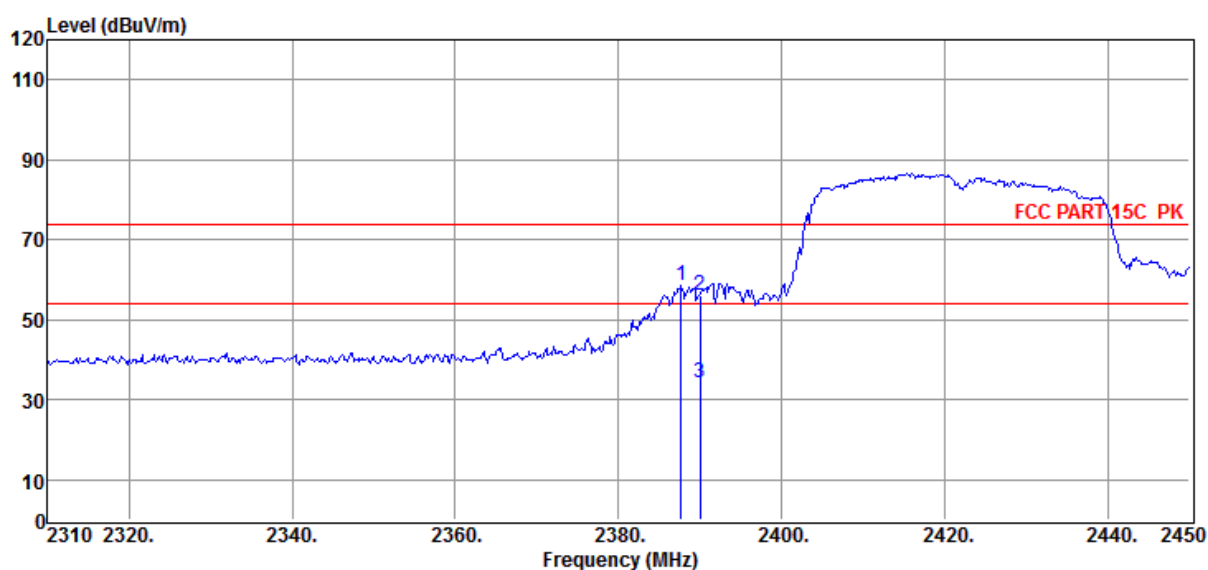
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/HORIZONTAL

Memo : 11n40 2422



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2387.70	69.01	27.89	43.14	4.80	58.56	74.00	-15.44	Peak	HORIZONTAL
2	2390.00	66.73	27.89	43.14	4.80	56.28	74.00	-17.72	Peak	HORIZONTAL
3	2390.00	44.88	27.89	43.14	4.80	34.43	54.00	-19.57	Average	HORIZONTAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC
ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

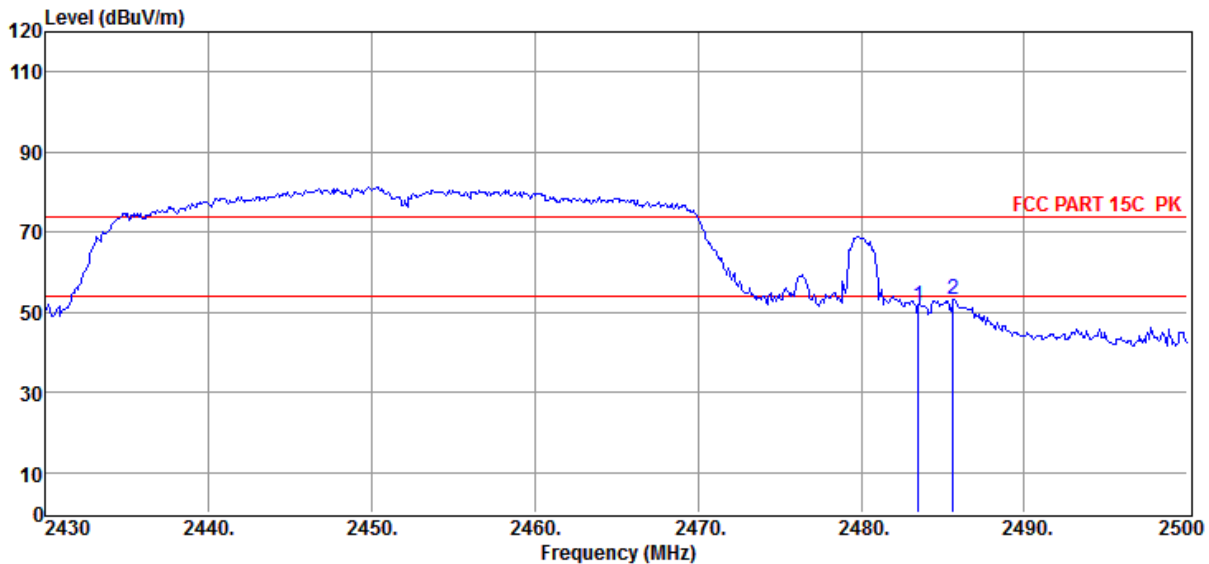
Power Supply : Battery

Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/VERTICAL

Memo : 11n40 2452



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	61.77	27.98	43.23	4.90	51.42	74.00	-22.58	Peak	VERTICAL
2	2485.65	63.46	27.99	43.24	4.90	53.11	74.00	-20.89	Peak	VERTICAL

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

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

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

TR-4-E-009 Radiated Emission Test Result

Test Site : DDT 3m Chamber 2#

D:\2021 RE2# Report Data\Q21030932-2E wisdom\new\FCC
ABOVE 1G.EM6

Test Date : 2021-04-06

Tested By : Bairong

EUT : Intelligent visible pore cleaner

Model Number : wisdom

Power Supply : Battery

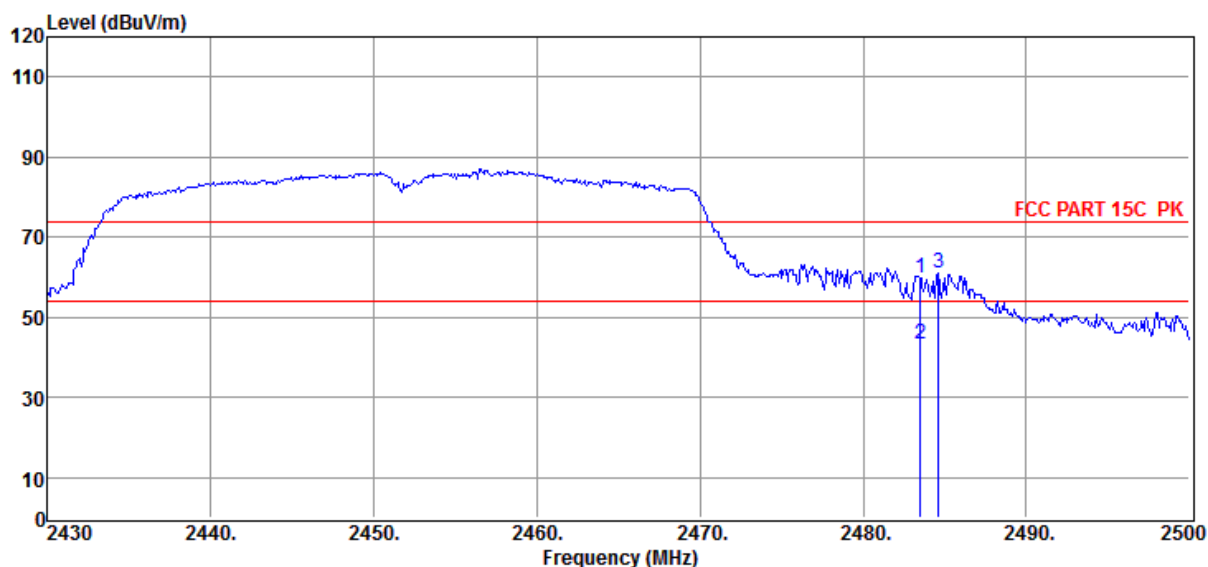
Test Mode : Tx mode

Condition : Temp:24.5°C,Humi:55%,Press:100.1kPa

Antenna/Distance : 2020 BBHA9120D/3m/HORIZONTAL

Memo : 11n40 2452

Data: 30



Item (Mark)	Freq. (MHz)	Read Level (dBμV)	Antenna Factor (dB/m)	PRM Factor dB	Cable Loss dB	Result Level (dBμV/m)	Limit Line (dBμV/m)	Over Limit (dB)	Detector	Polarization
1	2483.50	70.26	27.98	43.23	4.90	59.91	74.00	-14.09	Peak	HORIZONTAL
2	2483.50	53.50	27.98	43.23	4.90	43.15	54.00	-10.85	Average	HORIZONTAL
3	2484.60	71.21	27.98	43.24	4.90	60.85	74.00	-13.15	Peak	HORIZONTAL

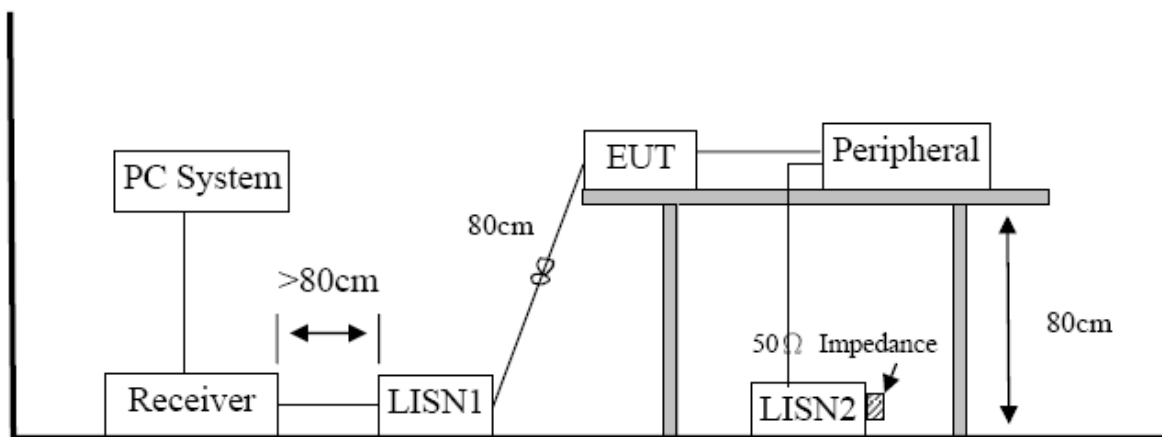
Note: 1. Result Level = Read Level + Antenna Factor + Cable loss - PRM Factor.

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

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

11. Power Line Conducted Emission

11.1. Block diagram of test setup



11.2. Power Line Conducted Emission Limits (Class B)

Frequency	Quasi-Peak Level dB(μV)	Average Level dB(μV)
150 kHz ~ 500 kHz	66 ~ 56*	56 ~ 46*
500 kHz ~ 5 MHz	56	46
5 MHz ~ 30 MHz	60	50

Note 1: * Decreasing linearly with logarithm of frequency.

Note 2: The lower limit shall apply at the transition frequencies.

11.3. Test procedure

The EUT and Support equipment, if needed, were put placed on a non-metallic table, 80cm above the ground plane.

All I/O cables were positioned to simulate typical actual usage as per ANSI C63.4.

All support equipment power received from a second LISN.

Emissions were measured on each current carrying line of the EUT using an EMI Test Receiver connected to the LISN powering the EUT.

The Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.

During the above scans, the emissions were maximized by cable manipulation.

After the preliminary scan, we found the test mode producing the highest emission level.

The EUT configuration and worse cable configuration of the above highest emission levels were recorded for reference of the final test.

EUT and support equipment were set up on the test bench as per the configuration with highest emission level in the preliminary test.

A scan was taken on both power lines, Neutral and Line, recording at least the six highest emissions.

Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit.

The test data of the worst-case condition(s) was recorded.

The bandwidth of test receiver is set at 9 kHz.

11.4. Test result

Pass. (See below detailed test result)

Note1: All emissions not reported below are too low against the prescribed limits.

Note2: “----” means peak detection; “----” means average detection

Note3: Pre-test AC conducted emission at both voltage AC 120V/60Hz and AC 240V/50Hz, recorded worse case.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2021 report data\Q21030932-1E\RF FCC CE.EM6

Test Date : 2021-04-12

Tested By : Junchang Du

EUT : Intelligent visible pore cleaner

Model Number : wisdom

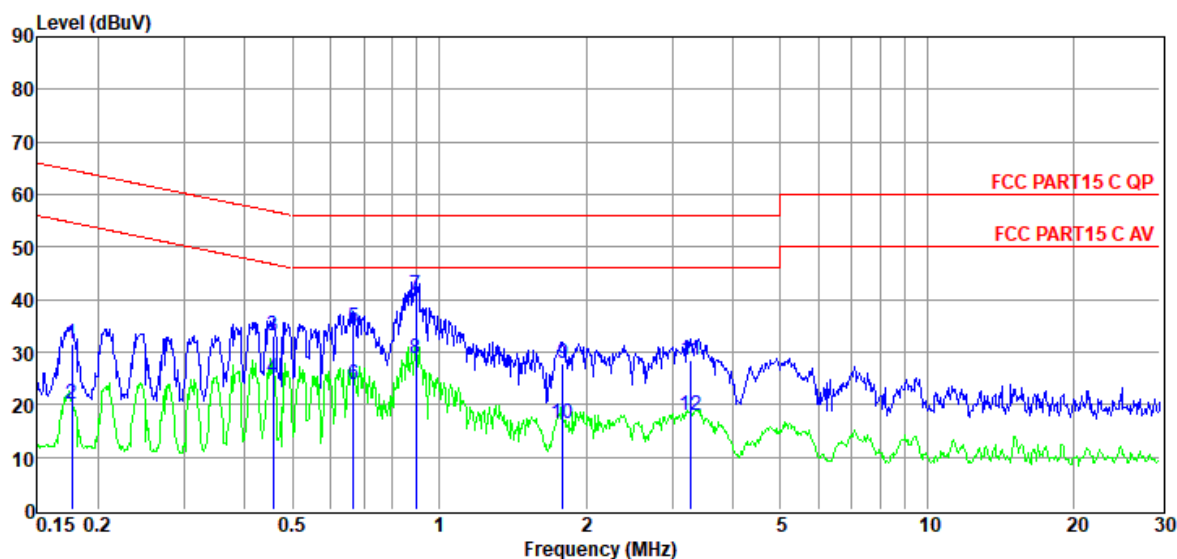
Power Supply : AC 120V/60Hz

Test Mode : TX mode

Condition : Temp:24.5°C,Humi:55.5%,Press:101.4kPa
a

LISN : 2020 ENV 216 2#/LINE

Memo :



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	0.18	11.97	9.42	0.02	10.01	31.42	64.64	-33.22	QP	LINE
2	0.18	0.76	9.42	0.02	10.01	20.21	54.64	-34.43	Average	LINE
3	0.46	13.52	9.45	0.02	10.01	33.00	56.76	-23.76	QP	LINE
4	0.46	5.72	9.45	0.02	10.01	25.20	46.76	-21.56	Average	LINE
5	0.67	15.02	9.45	0.03	10.01	34.51	56.00	-21.49	QP	LINE
6	0.67	4.30	9.45	0.03	10.01	23.79	46.00	-22.21	Average	LINE
7	0.89	21.29	9.44	0.03	10.01	40.77	56.00	-15.23	QP	LINE
8	0.89	9.23	9.44	0.03	10.01	28.71	46.00	-17.29	Average	LINE
9	1.79	8.44	9.43	0.05	10.01	27.93	56.00	-28.07	QP	LINE
10	1.79	-3.02	9.43	0.05	10.01	16.47	46.00	-29.53	Average	LINE
11	3.28	8.99	9.46	0.07	10.01	28.53	56.00	-27.47	QP	LINE
12	3.28	-1.45	9.46	0.07	10.01	18.09	46.00	-27.91	Average	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.

TR-4-E-010 Conducted Emission Test Result

Test Site : DDT 5# Shield Room

D:\2021 report data\Q21030932-1E\RF FCC CE.EM6

Test Date : 2021-04-12

Tested By : Junchang Du

EUT : Intelligent visible pore cleaner

Model Number : wisdom

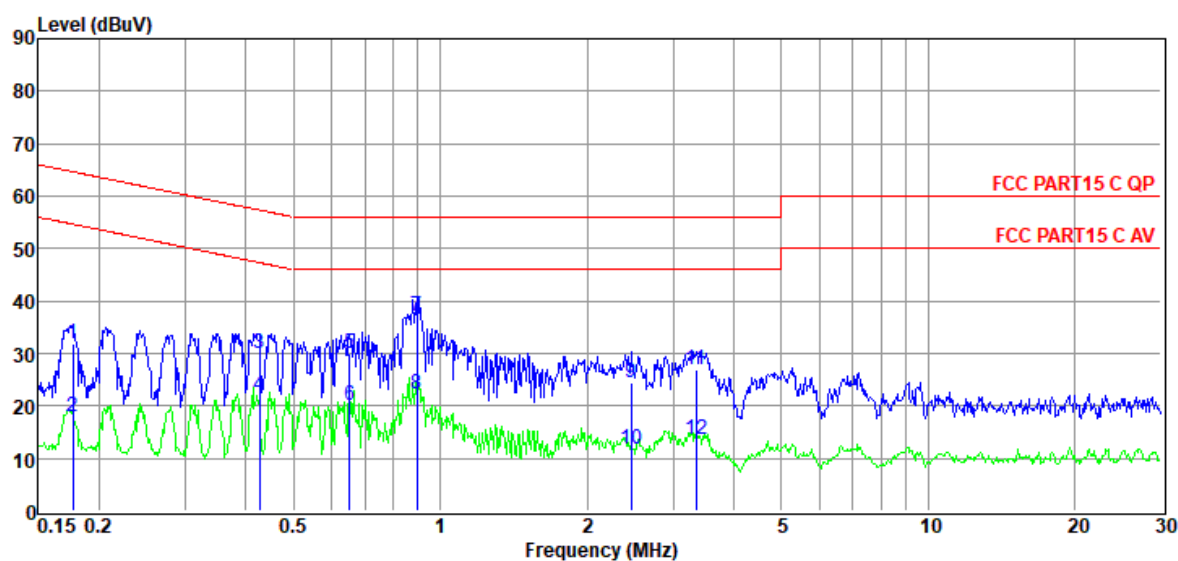
Power Supply : AC 120V/60Hz

Test Mode : TX mode

Condition : Temp:24.5°C,Humi:55.5%,Press:101.4kPa

LISN : 2020 ENV 216 2##NEUTRAL

Memo :



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	0.18	12.59	9.39	0.02	10.01	32.01	64.64	-32.63	QP	NEUTRAL
2	0.18	-1.44	9.39	0.02	10.01	17.98	54.64	-36.66	Average	NEUTRAL
3	0.43	10.71	9.40	0.02	10.01	30.14	57.33	-27.19	QP	NEUTRAL
4	0.43	2.50	9.40	0.02	10.01	21.93	47.33	-25.40	Average	NEUTRAL
5	0.65	10.70	9.40	0.03	10.01	30.14	56.00	-25.86	QP	NEUTRAL
6	0.65	0.72	9.40	0.03	10.01	20.16	46.00	-25.84	Average	NEUTRAL
7	0.89	17.80	9.41	0.03	10.01	37.25	56.00	-18.75	QP	NEUTRAL
8	0.89	2.87	9.41	0.03	10.01	22.32	46.00	-23.68	Average	NEUTRAL
9	2.46	5.05	9.42	0.06	10.01	24.54	56.00	-31.46	QP	NEUTRAL
10	2.46	-7.86	9.42	0.06	10.01	11.63	46.00	-34.37	Average	NEUTRAL
11	3.35	7.28	9.44	0.07	10.01	26.80	56.00	-29.20	QP	NEUTRAL
12	3.35	-5.90	9.44	0.07	10.01	13.62	46.00	-32.38	Average	NEUTRAL

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.

12. Antenna Requirements

12.1. Limit

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

12.2. Result

The antenna used for this product is Ceramic antenna and no antenna other than that furnished by the responsible party shall be used with the device, maximum antenna gain is 0.5 dBi.

END OF REPORT