

FCC TEST REPORT

FCC ID:2B07E-CK3-MAX

Report No..... : ZHT-251014002W02-3

Product..... : Pathfinder

Trademark..... : COKIMA

Model(s)..... : CK3-Max, CK3-BMW

Model Difference..... : CK3-Max is the test model, while other models are derivative models. These models are the same on the circuit, with only different model names. Therefore, the test data of CK3-Max can represent the remaining models.

Applicant..... : Cokima Technology(Shenzhen)Co.,Ltd

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Manufacturer..... : Cokima Technology(Shenzhen)Co.,Ltd

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Prepared by..... : Guangdong Zhonghan Testing Technology Co., Ltd.

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Date of Receipt..... : Nov. 14, 2025

Date of Test(s)..... : Nov. 14, 2025 to Dec. 1, 2025

Date of Issue..... : Dec. 1, 2025

Test Standard(s)..... : FCC Part 15 Subpart E 15.407
KDB789033 D02 General U-NII Test Procedures New Rules v02r01

Test procedure..... : ANSI C63.10:2020

In the configuration tested, the EUT complied with the standards specified above.

Prepared by:



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Reviewed by:



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Levi Lee/ Manager

Note: The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report shall not be reproduced except in full, without prior written approval of ZHT. This document may be altered or revised by ZHT, personnel only, and shall be noted in the revision of the document.

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1.SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

FCC Part15 (15.407) , Subpart E			
Standard Section	Test Item	Judgment	Remark
15.209 (a), 15.407 (b) 15.407 (b)	Spurious Radiated Emissions	PASS	
15.207	Conducted Emission	N/A	
15.407 (a)	26 dB and 99% Emission Bandwidth	PASS	
15.407(e)	6 dB bandwidth	PASS	
15.407 (a)	Maximum Conducted Output Power	PASS	
15.407 (b)	Band Edge	PASS	
15.407 (a)	Power Spectral Density	PASS	
15.407 (b)	Spurious Emissions at Antenna Terminals	PASS	
15.203	Antenna Requirement	PASS	
15.407 (g)	Frequency Stability	PASS	
15.407 (c)	Automatically Discontinue Transmission	NOTE(2)	

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report

(2)WIFI antenna 1 and antenna 2 cannot be transmitted at the same time

(3)The product meets the requirements of 15.407 (C) standard

Operation in the absence of information to the transmit:

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ASK message transmitting from remote device and verify whether it shall resend or discontinue transmission. (manufacturer declare)

ded

2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Product Name:	Pathfinder	
Test Model No.:	CK3-Max	
Product Description	IEEE 802.11 WLAN Mode Supported	☒ 802.11a/n (20MHz channel bandwidth) ☒ 802.11n (40MHz channel bandwidth) ☐ 802.11ac(80MHz channel bandwidth)
	Data Rate	802.11a: 6,9,12,18,24,36,48,54Mbps; 802.11n/ac(HT20/HT40):MCS0-MCS7; 802.11ac(VHT80):NSS1, MCS0-MCS9
	Modulation	OFDM with BPSK/QPSK/16QAM/64QAM/256QAM for 802.11a/n/ac;
	Operating Frequency Range	☒ 5180-5240MHz for 802.11a/n(HT20)/ac20; 5190-5230MHz for 802.11n(HT40) ☒ 5745-5825 MHz for802.11a/n(HT20)/ac20; 5755-5795 MHz for 802.11a/n(HT40)
	Number of Channels	☒ 4 channels for 802.11a/n20 in the 5180-5240MHz band ; 2 channels for 802.11 n40 in the 5190-5230 MHz band ; 1 channels for 802.11 ac80 in the 5210MHz band ; ☒ 5 channels for 802.11a/n20 in the 5745-5825MHz band ; 2 channels for 802.11 n40 in the 5755-5795 MHz band ;
Channel List	Please refer to the Note 2.	
Antenna Type and Antenna gain:	FPC antenna; 4.45dBi	
Power supply:	Input: DC 12 V	
Sample Number:	251014002YP001	
Remark:The antenna gain is provided by the customer, if the data provided by the customer is not accurate, Guangdong Zhonghan Testing Technology Co., Ltd. does not assume any responsibility.		

Note:

For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

Note 2:

802.11a/n(20MHz) Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
36	5180	44	5220	149	5745	153	5765
40	5200	48	5240	157	5785	161	5805
165	5825			165	5825		
802.11n(40MHz) Frequency Channel							
Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
38	5190	151	5755				
46	5230	159	5795				

2.2 DESCRIPTION OF TEST MODES

Transmitting mode	Keep the EUT in continuously transmitting mode
Remark: During the test, the test voltage was tuned from 85% to 115% of the nominal rated supply voltage, and found that the worst case was under the nominal rated supply condition. So the report just shows that condition's data.	

Pretest Mode	Description
Mode 1	802.11a / n20 CH36/ CH40/ CH48/ CH149 / CH157 / CH165
Mode 2	802.11n 40 CH38/ CH46/ CH151/ CH159
Mode 3	Link Mode

Conducted Emission	
Final Test Mode	Description
Mode 4	Link Mode

For Radiated Emission	
Final Test Mode	Description
Mode 1	802.11a / n20 CH36/ CH40/ CH48/ CH149 / CH157 / CH165
Mode 2	802.11n 40 CH38/ CH46/ CH151/ CH159
Mode 3	

Note:

- (1) The measurements are performed at all Bit Rate of Transmitter, the worst data was reported.
 - (2) The test software is the SecureCRTPortable.exe FX_HH_x86_7.0.0.326 which can set the EUT into the individual test modes.
- 802.11a/802.11n(HT20) Power set point:Default
802.11n(40MHz)Power set point:Default

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

Radiated Emission



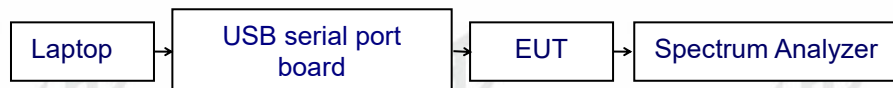
Radiated Emission(30MHz-1GHz)



Radiated Emission(above 1GHz)



RF Conducted Test



2.4 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

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/Type No.	Series No.	Note
E-1	DC POWER SUPPLY	Sophpower Electronics Co., Ltd.	DSP100-100	/	AE

Item	Shielded Type	Ferrite Core	Length	Note

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in 『Length』 column.

3. TEST FACILITY AND TEST INSTRUMENT USED

3.1 TEST FACILITY

Guangdong Zhonghan Testing Technology Co., Ltd.
Add. : Room 104/201, Building 1, Yibaolai Industrial Park, Qiaotou, Fuhai Subdistrict, Bao'an District, Shenzhen, Guangdong, China

FCC Registration Number:255941
Designation Number: CN0325
IC Registered No.: 29832
CAB identifier: CN0143

3.2 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

Item	Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
1	Receiver	R&S	ESCI	100874	May 6, 2025	May 5, 2026
2	Loop Antenna	TESEQ	HLA6121	58357	Sept. 8, 2025	Sept. 7, 2026
3	Amplifier	Schwarzbeck	BBV 9743 B	00378	May 6, 2025	May 5, 2026
4	Amplifier	Schwarzbeck	BBV 9718 B	00040	May 7, 2025	May 6, 2026
5	Bilog Antenna	Schwarzbeck	VULB9162	00498	May 15, 2025	May 14, 2026
6	Horn Antenna	Schwarzbeck	BBHA9120D	02623	May 15, 2025	May 14, 2026
7	Horn Antenna	A.H.SYSTEMS	SAS574	588	Oct. 21, 2025	Oct. 20, 2026
8	Amplifier	AEROFLEX	100KHz-40GHz	097	Oct. 21, 2025	Oct. 20, 2026
9	Spectrum Analyzer	R&S	FSV40	101413	Oct. 21, 2025	Oct. 20, 2026
10	Spectrum Analyzer	KEYSIGHT	N9020A	MY53420208	May 7, 2025	May 6, 2026
11	WIDBAND RADIO COMMUNICATION TESTER	R&S	CMW500	109863	May 7, 2025	May 6, 2026
12	Single Generator	Agilent	N5182A	MY48180575	May 7, 2025	May 6, 2026
13	MWRF Power Meter Test system	MW	MW100-RFCB	/	May 7, 2025	May 6, 2026
14	CABLE	EMToni	DA800-NM-NM-11000MM	/	May 6, 2025	May 5, 2026

Conduction Test equipment

Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
Receiver	R&S	ESCI	100874	May 6, 2025	May 5, 2026
LISN	R&S	ENV216	102794	May 6, 2025	May 5, 2026
ISN CAT 6	Schwarzbeck	NTFM 8158	00318	May 7, 2025	May 6, 2026
ISN CAT 5	Schwarzbeck	CAT5 8158	00343	May 7, 2025	May 6, 2026
Capacitive Voltage Probe	Schwarzbeck	CVP 9222 C	00101	May 8, 2025	May 7, 2026
Current Transformer Clamp	Schwarzbeck	SW 9605	SW9605 #209	May 8, 2025	May 7, 2026
CABLE	EMToni	G223-NM-BNCM -2000MM	/	May 7, 2025	May 6, 2026

Conducted Test equipment

Item	Equipment	Manufacturer	Model	Serial No.	Last Cal.	Next Cal.
1	Spectrum Analyzer	R&S	FSV40	101413	Oct. 21, 2025	Oct. 20, 2026
2	Spectrum Analyzer	KEYSIGHT	N9020A	MY53420208	May 7, 2025	May 6, 2026
3	Power Sensor	MWRFTtest	MW100-RFCB	/	May 7, 2025	May 6, 2026

3.3 TESTING SOFTWARE

Project	Software name	Edition
RF Conducted	MTS 8310	2.0.0.0
Conducted Emission	EZ-EMC	EMC-CON 3A1.1+
Radiated Emission	EZ-EMC	FA-03A2 RE+

3.4 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $y \pm U$, where expanded uncertainty U is based on a standard uncertainty multiplied by a coverage factor of $k=2$, providing a level of confidence of approximately 95 % .

No.	Item	Uncertainty
1	Conducted Emission Test	0.92dB
2	RF conducted power	0.16dB
3	Conducted spurious emissions	0.21dB
4	All radiated emissions (9k-30MHz)	4.68dB
5	All radiated emissions (30-1GHz)	5.1dB
6	All radiated emissions (1-6GHz)	3.9dB
7	All radiated emissions (6GHz-18GHz)	4.3dB
8	All radiated emissions (18-40GHz)	4.65dB
9	Temperature	0.5°C
10	Humidity	2%
11	Occupied Bandwidth	4.96%
12	RF Power Density	0.77dB

Decision Rule

- ☒ Uncertainty is not included
- ☐ Uncertainty is included

4. EMC EMISSION TEST

4.1 CONDUCTED EMISSION MEASUREMENT

Test Requirement:	FCC Part15 C Section 15.207, RSS-Gen 8.8
Test Method:	ANSI C63.10:2020
Test Frequency Range:	150KHz to 30MHz
Receiver setup:	RBW=9KHz, VBW=30KHz, Sweep time=auto

4.1.1 POWER LINE CONDUCTED EMISSION Limits

FREQUENCY (MHz)	Limit (dBuV)		Standard
	Quasi-peak	Average	
0.15 -0.5	66 - 56 *	56 - 46 *	FCC
0.50 -5.0	56.00	46.00	FCC
5.0 -30.0	60.00	50.00	FCC

Note:

(1) *Decreases with the logarithm of the frequency.

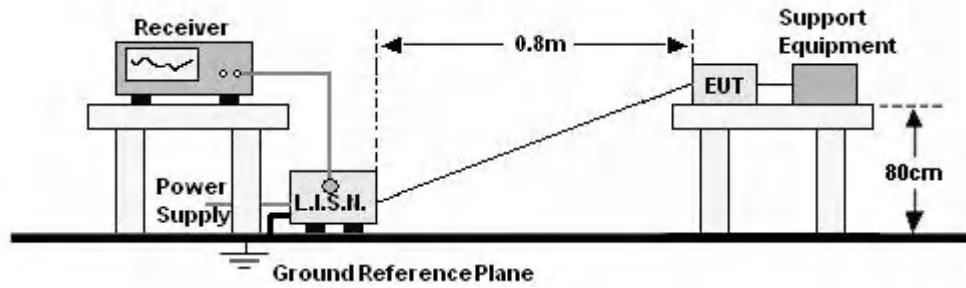
4.1.2 TEST PROCEDURE

- The EUT was placed 0.8 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- LISN at least 80 cm from nearest part of EUT chassis.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

4.1.3 DEVIATION FROM TEST STANDARD

No deviation

4.1.4 TEST SETUP



4.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

4.1.6 TEST RESULTS

N/A

The Product is powered by the DC only, the test item is not applicable.

4.2 RADIATED EMISSION MEASUREMENT

4.2.1 APPLICABLE STANDARD

According to FCC Part 15.407(d) and 15.209, RSS-247 6.2.1.2, RSS-Gen

4.2.2 CONFORMANCE LIMIT

According to FCC Part 15.407(b)(7): radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

According to FCC Part 15.205, Restricted bands

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
10.495-0.505	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
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	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	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			

RSS-Gen 8.10 Restricted frequency bands

MHz	MHz	MHz	GHz
0.090 - 0.110	13.36 - 13.41	960 - 1427	9.0 - 9.2
0.495 - 0.505	16.42 - 16.423	1435 - 1626.5	9.3 - 9.5
2.1735 - 2.1905	16.69475 - 16.69525	1645.5 - 1646.5	10.6 - 12.7
3.020 - 3.026	16.80425 - 16.80475	1660 - 1710	13.25 - 13.4
4.125 - 4.128	25.5 - 25.67	1718.8 - 1722.2	14.47 - 14.5
4.17725 - 4.17775	37.5 - 38.25	2200 - 2300	15.35 - 16.2
4.20725 - 4.20775	73 - 74.6	2310 - 2390	17.7 - 21.4
5.677 - 5.683	74.8 - 75.2	2483.5 - 2500	22.01 - 23.12
6.215 - 6.218	108 - 138	2655 - 2900	23.6 - 24.0
6.26775 - 6.26825	149.9 - 150.05	3260 - 3267	31.2 - 31.8
6.31175 - 6.31225	156.52475-156.52525	3332 - 3339	36.43 - 36.5
8.291 - 8.294	156.7 - 156.9	3345.8 - 3358	Above 38.6
8.362 - 8.366	162.0125 - 167.17	3500 - 4400	
8.37625 - 8.38675	167.72 - 173.2	4500 - 5150	
8.41425 - 8.41475	240 - 285	5350 - 5460	
12.29 - 12.293	322 - 335.4	7250 - 7750	
12.51975 - 12.52025	399.9 - 410	8025 - 8500	
12.57675 - 12.57725	608 - 614		

Limits of Radiated Emission Measurement(Above 1000MHz)

Frequency(MHz)	Class B (dBuV/m) (at 3M)	
	PEAK	AVERAGE
Above 1000	74	54

Remark :1. Emission level in dBuV/m=20 log (uV/m)

2. Measurement was performed at an antenna to the closed point of EUT distance of meters.

3. Distance extrapolation factor =40log(Specific distance/ test distance)(dB);

Limit line=Specific limits(dBuV) + distance extrapolation factor.

Limits of unwanted emission out of the restricted bands

Frequency (MHz)	EIRP Limits (dBm)	Equivalent Field Strength at 3m (dBuV/m)
5150~5250	-27	68.2
5250~5350	-27	68.2
5470~5725	-27	68.2
5725~5850	-27(Note 2)	68.2
	10(Note 2)	105.2
	15.6(Note 2)	110.8
	27(Note 2)	122.2

NOTE:

1, The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength:

$$E = \frac{1000000\sqrt{30P}}{3} \text{ uV/m, where P is the eirp (Watts)}$$

2, According to FCC 16-24,All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

According to RSS-Gen§8.9: In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of root-mean-square averaging over a time interval, as permitted under Section 5.4(4), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field

strength limits specified in RSS-Gen Issue 5 is not required.

In case the emission fall within the restricted band specified on RSS-Gen Issue 5, then the RSS-Gen Issue 5 limit in the table below has to be followed.

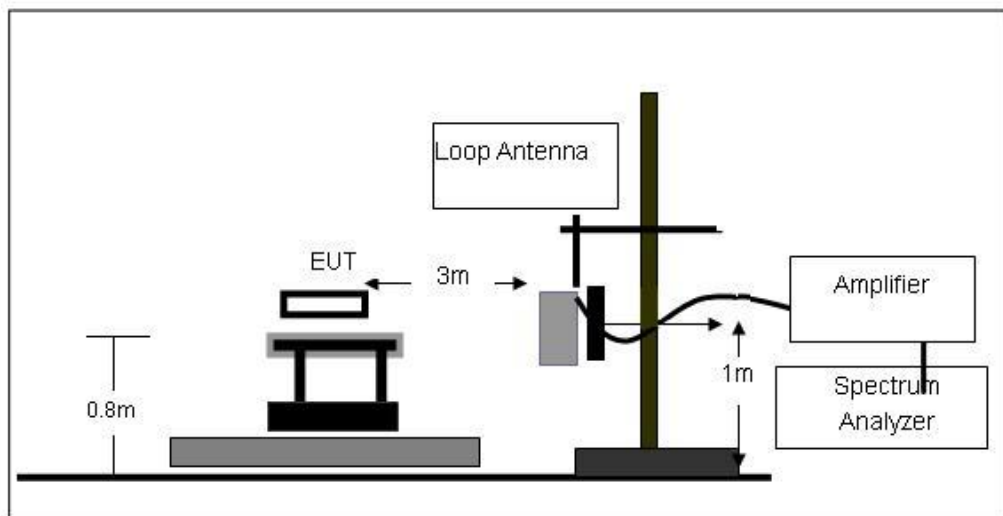
Frequency (MHz)	Distance (Meters)	Radiated (dBμV/m)	Radiated (μV/m)
0.009-0.49	3	$20\log(2400/F(\text{KHz}))+40\log(300/3)$	$2400/F(\text{KHz})$
0.49-1.705	3	$20\log(24000/F(\text{KHz}))+40\log(30/3)$	$24000/F(\text{KHz})$
1.705-30	3	$20\log(30)+40\log(30/3)$	30
30-88	3	40.0	100
88-216	3	43.5	150
216-960	3	46.0	200
Above 960	3	54.0	500

4.2.3 MEASURING INSTRUMENTS

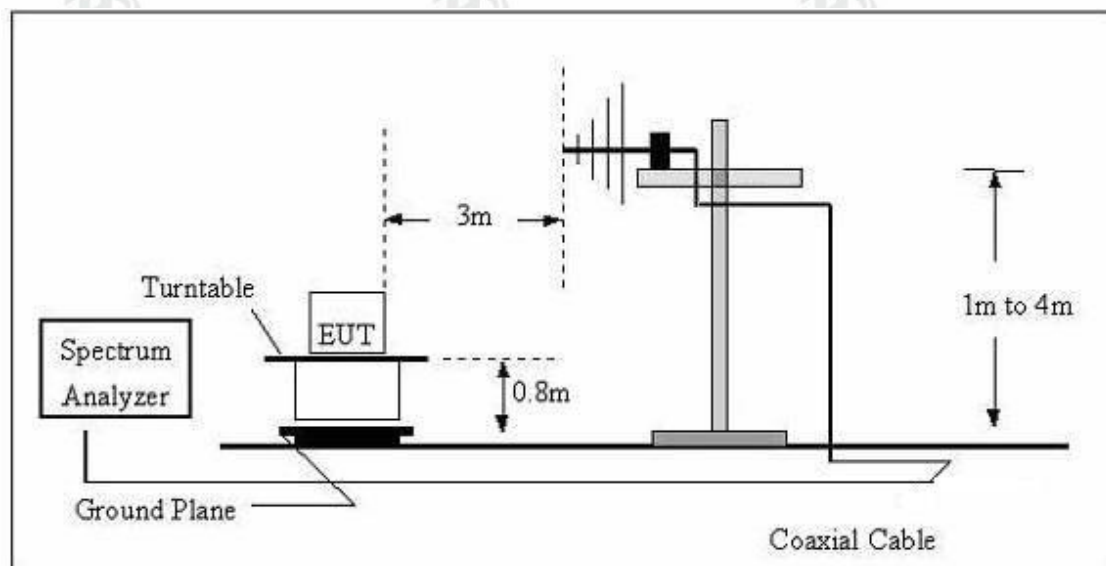
The Measuring equipment is listed in the section 6.3 of this test report.

4.2.4 TEST CONFIGURATION

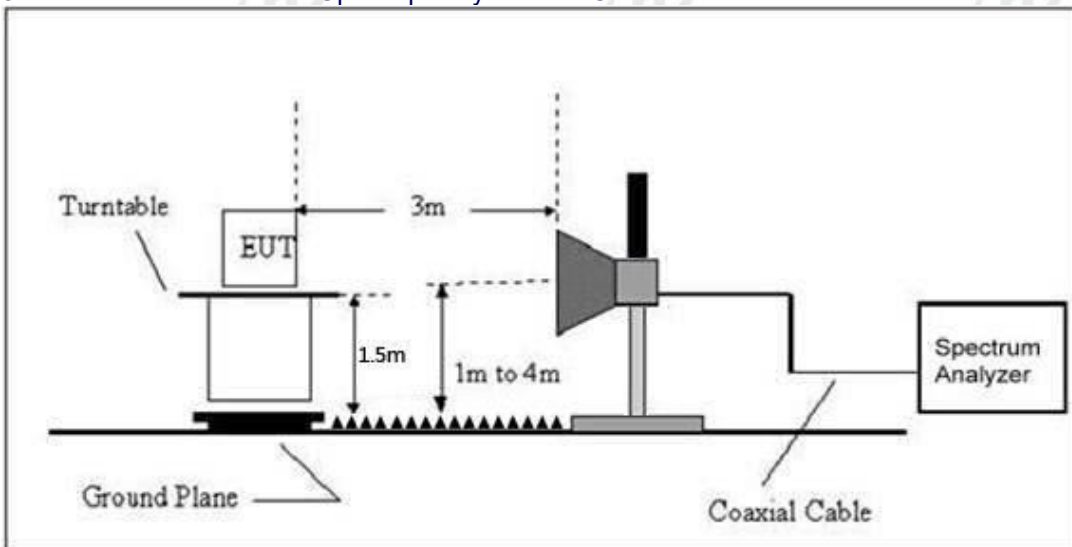
1. For radiated emissions below 30MHz



2. For radiated emissions from 30MHz to 1000MHz



3. Radiated Emission Test-Up Frequency Above 1GHz



4.2.5 TEST PROCEDURE

The test site semi-anechoic chamber has met the requirement of NSA tolerance 4 dB according to the standards: ANSI C63.10-2020. The test distance is 3m. The setup is according to the requirements in Section 13.1.4.1 of ANSI C63.10-2020 and CAN/CSA-CEI/IEC CISPR 22.

This test is required for any spurious emission that falls in a Restricted Band, as defined in Section 15.205. It must be performed with the highest gain of each type of antenna proposed for use with the EUT.

Use the following spectrum analyzer settings:

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	10th carrier harmonic
RB / VB (emission in restricted band)	1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average

Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RB 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RB 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RB 120kHz for QP

- The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- The EUT was placed on the top of a rotating table 0.8 m for below 1GHz and 1.5m for above 1GHz the ground at a 3 meter. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m for below 1GHz and 1.5m for above 1GHz; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted 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 Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

During the radiated emission test, the Spectrum Analyzer was set with the following configurations:

Frequency Band (MHz)	Function	Resolution bandwidth	Video Bandwidth
30 to 1000	QP	120 kHz	300 kHz
Above 1000	Peak	1 MHz	1 MHz
	Average	1 MHz	10 Hz

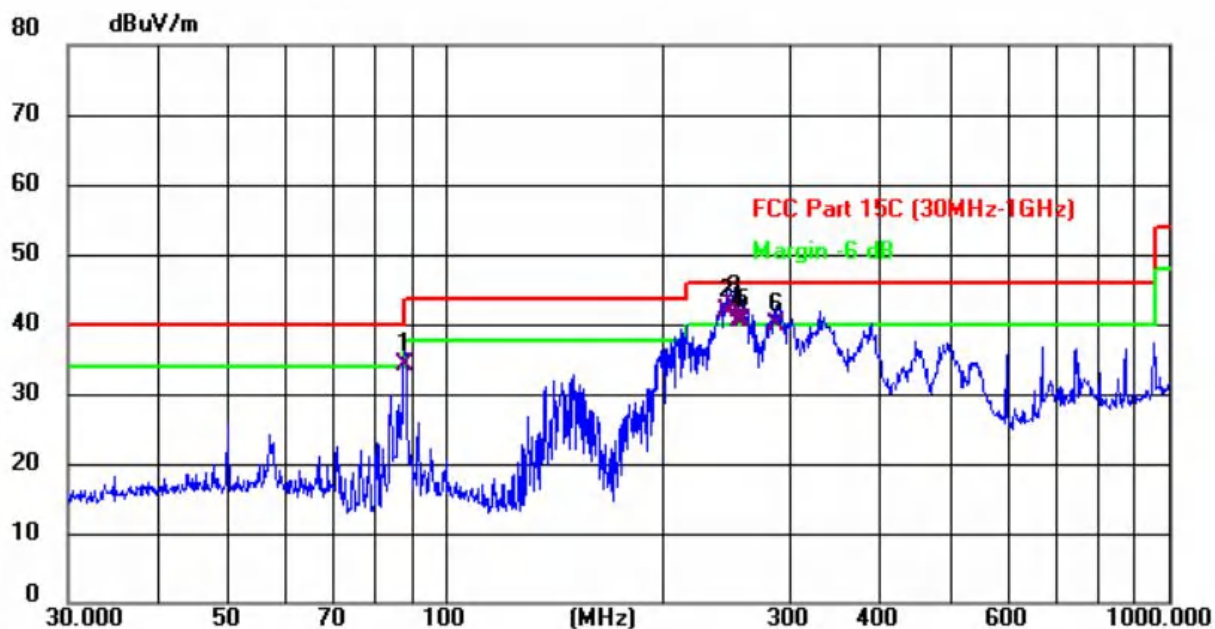
Note: for the frequency ranges below 30 MHz, a narrower RBW is used for these ranges but the measured value should add a RBW correction factor (RBWCF) where $RBWCF [dB] = 10 \cdot \lg(100 [kHz] / \text{narrower RBW} [kHz])$, the narrower RBW is 1 kHz and RBWCF is 20 dB for the frequency 9 kHz to 150 kHz, and the narrower RBW is 10 kHz and RBWCF is 10 dB for the frequency 150 kHz to 30 MHz.

4.2.6 TEST RESULT(Between 9KHz – 30MHz)

The emission from 9 kHz to 30MHz was pre-tested and found the result was 20dB lower than the limit, and according to 15.31(o) & RSS-Gen 6.13, the test result no need to reported.



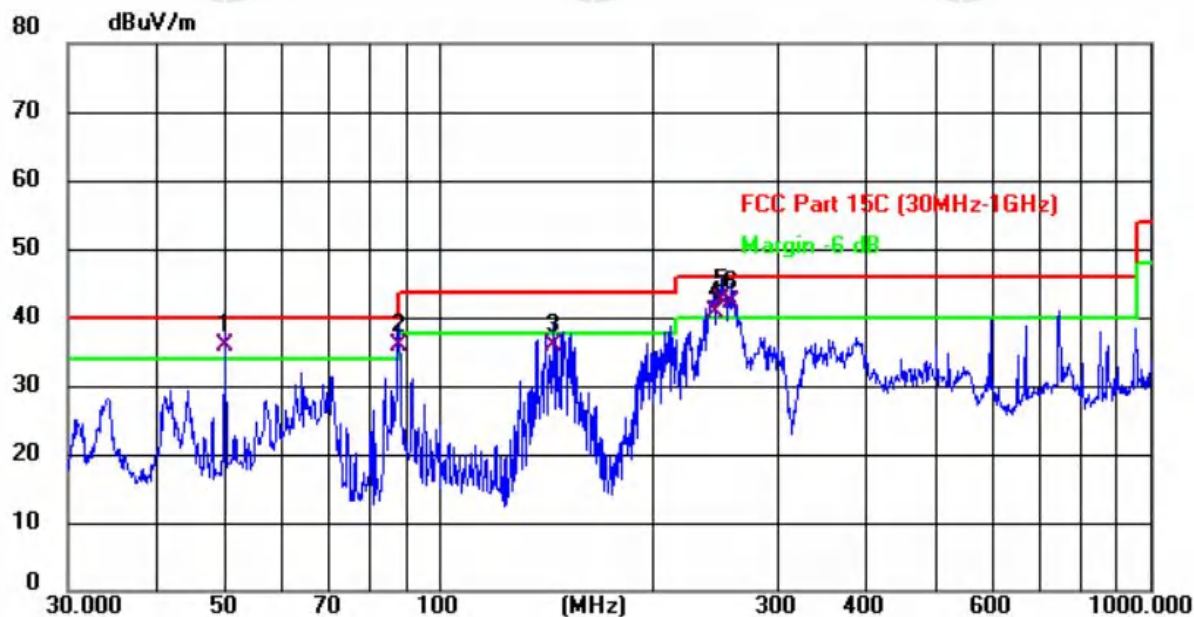
Temperature:	24.5℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1 !	87.7245	46.12	-11.92	34.20	40.00	-5.80	QP	-	-	P
2 !	244.2321	50.28	-8.36	41.92	46.00	-4.08	QP	-	-	P
3 *	250.3010	50.43	-8.14	42.29	46.00	-3.71	QP	-	-	P
4 !	253.8366	48.48	-8.07	40.41	46.00	-5.59	QP	-	-	P
5 !	257.4221	48.49	-8.01	40.48	46.00	-5.52	QP	-	-	P
6	285.9777	47.19	-7.47	39.72	46.00	-6.28	QP	-	-	P



Temperature:	24.5°C	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F
1 !	49.8813	44.20	-8.43	35.77	40.00	-4.23	QP	-	-	P
2 !	87.7245	47.92	-11.92	36.00	40.00	-4.00	QP	-	-	P
3	144.8417	48.69	-12.71	35.98	43.50	-7.52	QP	-	-	P
4 !	244.2321	49.10	-8.36	40.74	46.00	-5.26	QP	-	-	P
5 *	249.4250	50.64	-8.17	42.47	46.00	-3.53	QP	-	-	P
6 !	257.4221	50.10	-8.01	42.09	46.00	-3.91	QP	-	-	P

Remarks:

- 1.Final Level =Receiver Read level + Antenna Factor + Cable Loss – Preamplifier Factor
- 2.The emission levels of other frequencies are very lower than the limit and not show in test report.
- 3.5.2G and 5.8G All modes have been tested,The test data shows only the worst case (5.2GWIFI n40 5230MHz).



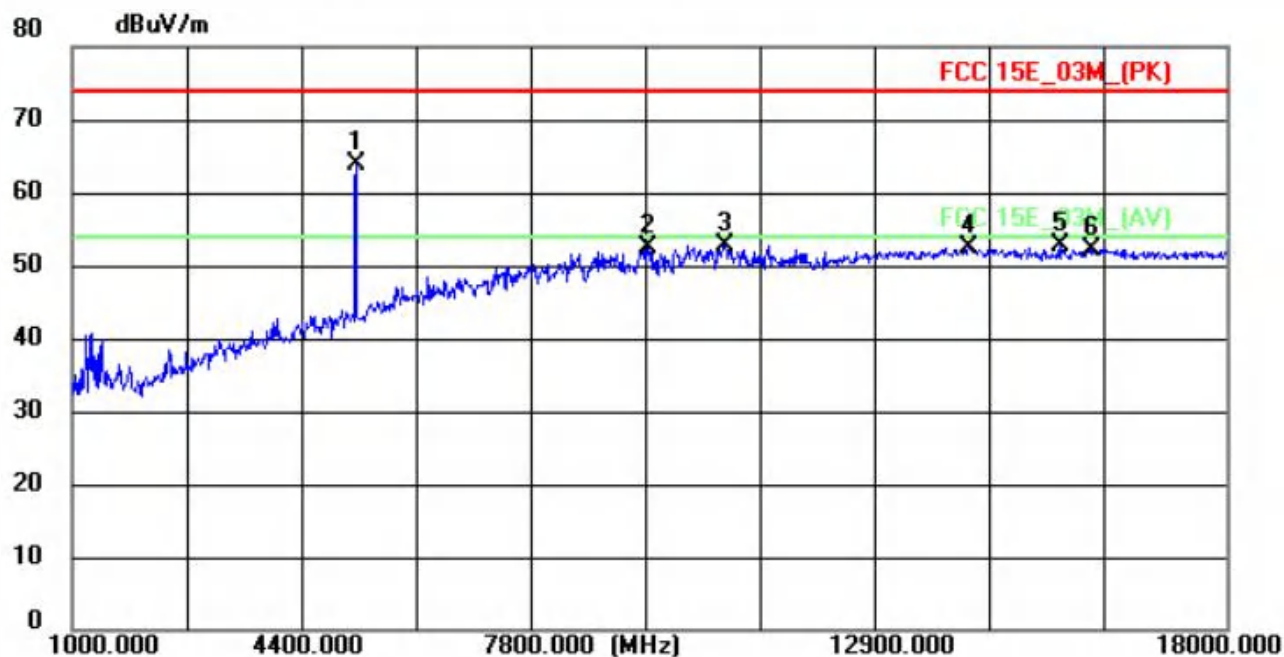
ZHONGHAN

Project No.: ZHT-251014002W02-3

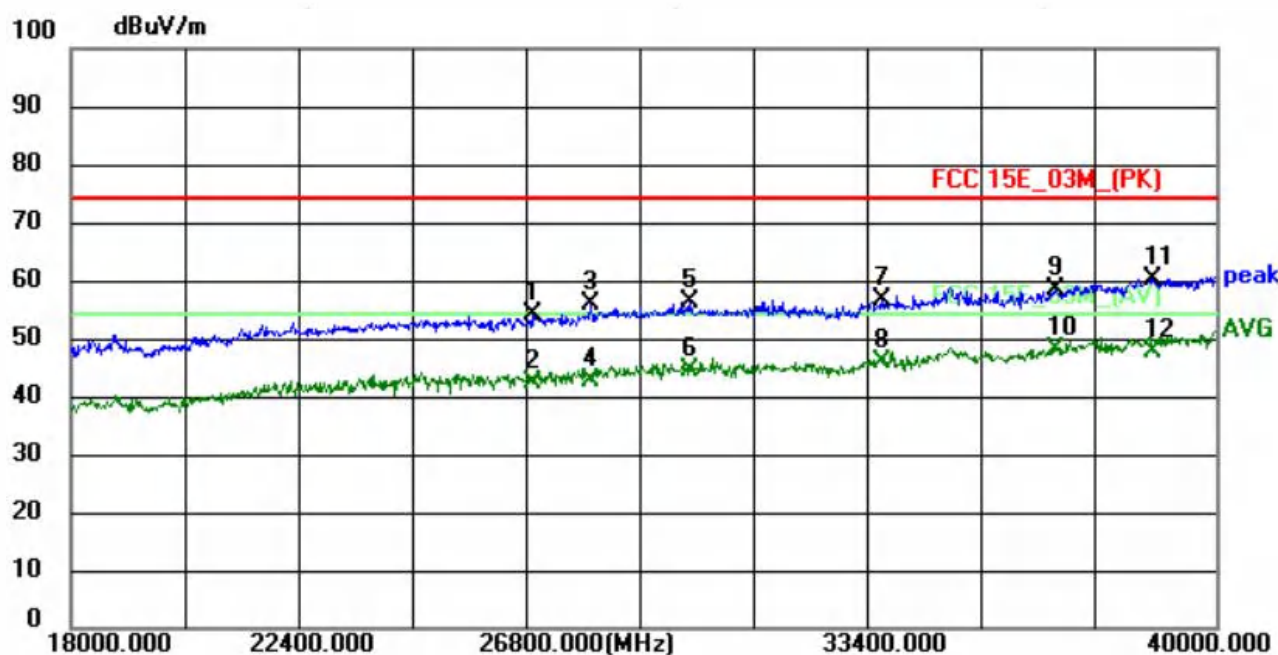
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1GHz-40GHz :

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5180



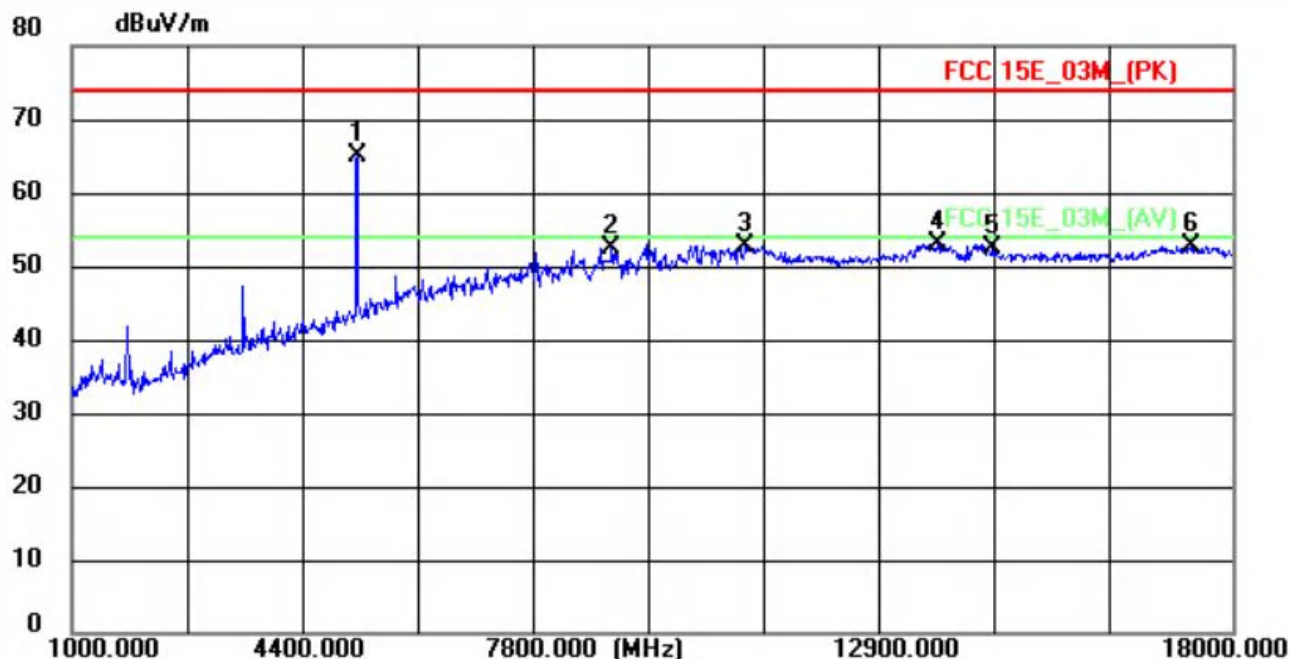
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5180.0000	70.32	-6.40	63.92	/	/	peak
2	9483.0000	50.58	1.83	52.41	74.00	-21.59	peak
3	10622.0000	50.05	2.77	52.82	74.00	-21.18	peak
4	14209.0000	44.39	8.15	52.54	74.00	-21.46	peak
5	15569.0000	42.67	10.00	52.67	74.00	-21.33	peak
6	16028.0000	41.85	10.42	52.27	74.00	-21.73	peak



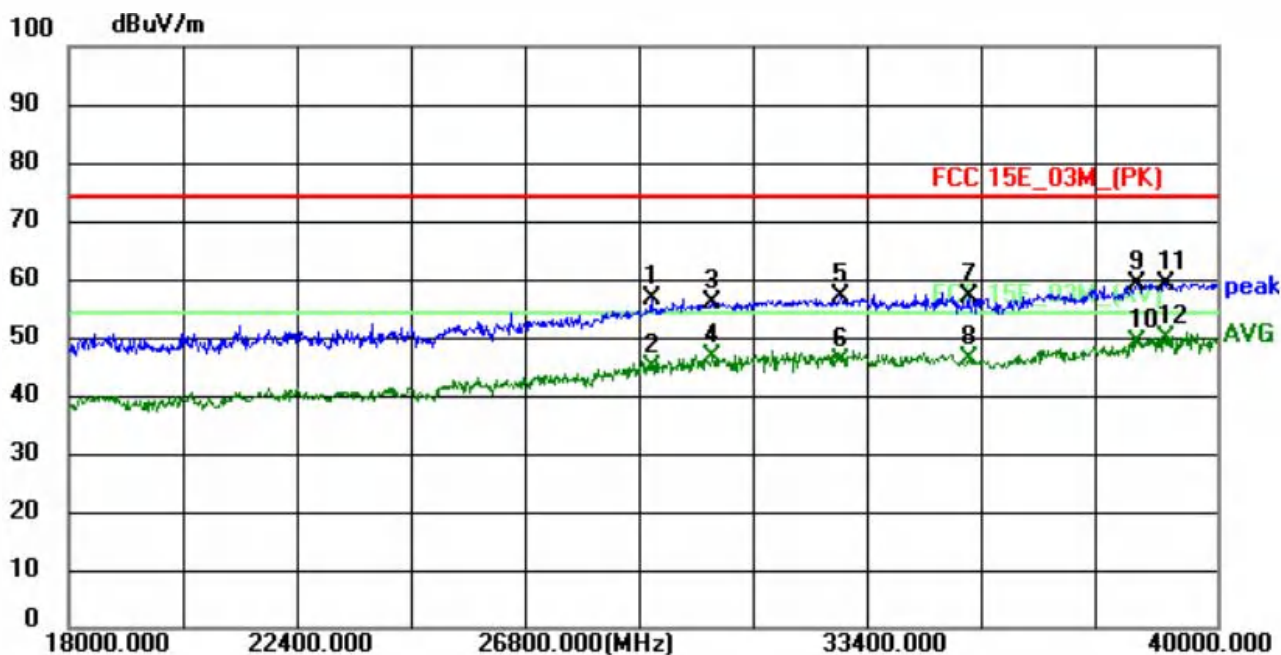
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26888.0000	47.54	6.73	54.27	74.00	-19.73	peak
2	26888.0000	35.58	6.73	42.31	54.00	-11.69	AVG
3	27988.0000	48.26	7.60	55.86	74.00	-18.14	peak
4	27988.0000	34.97	7.60	42.57	54.00	-11.43	AVG
5	29902.0000	47.06	9.10	56.16	74.00	-17.84	peak
6	29902.0000	35.19	9.10	44.29	54.00	-9.71	AVG
7	33598.0000	47.24	9.36	56.60	74.00	-17.40	peak
8	33598.0000	36.41	9.36	45.77	54.00	-8.23	AVG
9	36942.0000	48.62	9.74	58.36	74.00	-15.64	peak
10 *	36942.0000	38.19	9.74	47.93	54.00	-6.07	AVG
11	38790.0000	51.17	9.06	60.23	74.00	-13.77	peak
12	38790.0000	38.68	9.06	47.74	54.00	-6.26	AVG



Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5180

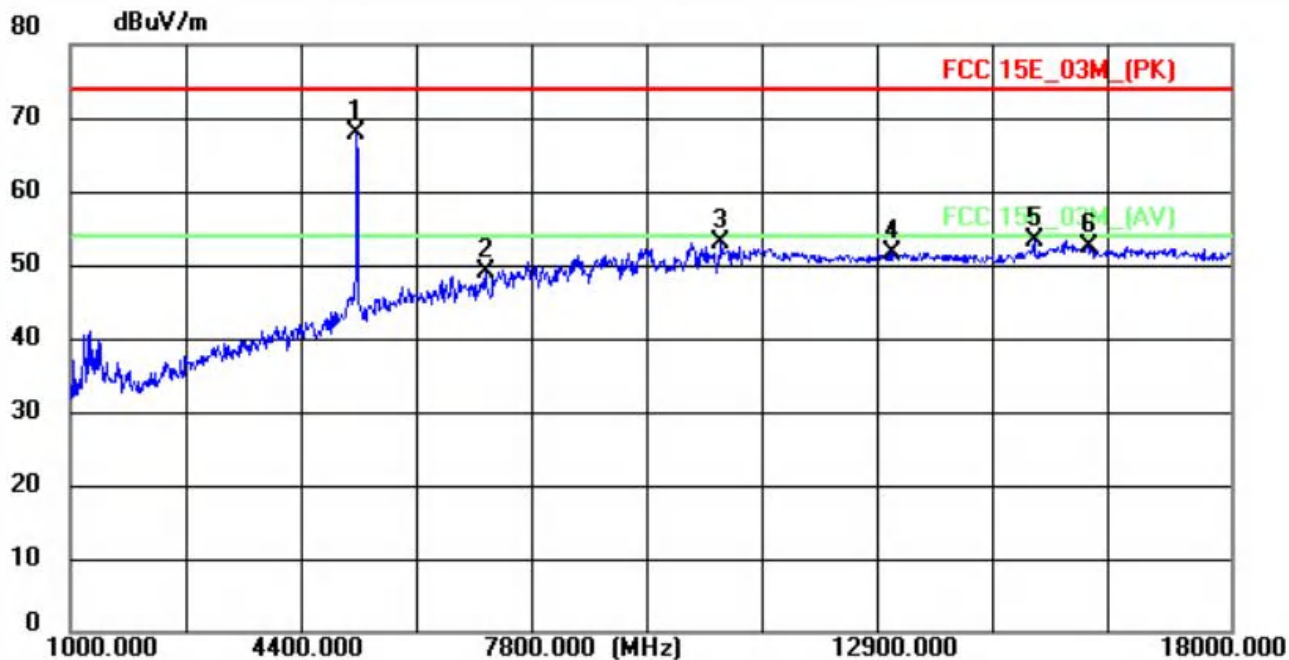


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5180.0000	71.54	-6.40	65.14	/	/	peak
2	8905.0000	50.86	1.53	52.39	74.00	-21.61	peak
3	10877.0000	49.77	3.07	52.84	74.00	-21.16	peak
4	13682.0000	45.65	7.25	52.90	74.00	-21.10	peak
5	14481.0000	43.82	8.61	52.43	74.00	-21.57	peak
6	17388.0000	40.99	11.66	52.65	74.00	-21.35	peak

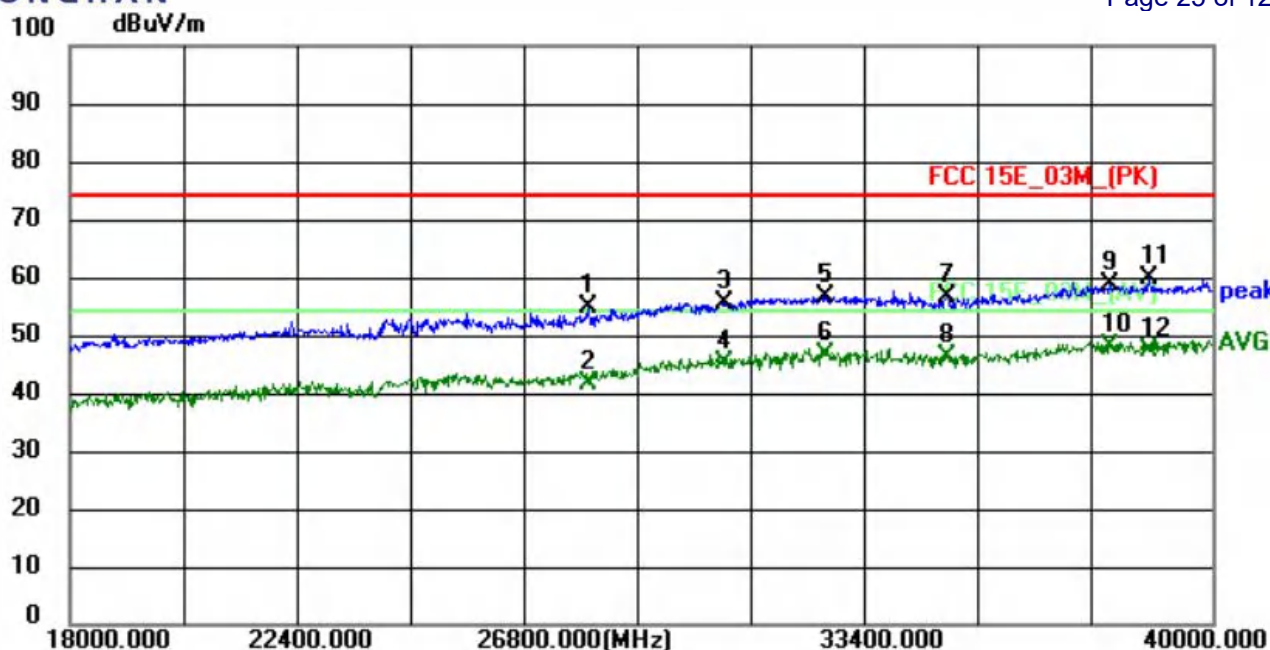


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29176.0000	47.43	9.15	56.58	74.00	-17.42	peak
2	29176.0000	35.80	9.15	44.95	54.00	-9.05	AVG
3	30342.0000	46.84	9.00	55.84	74.00	-18.16	peak
4	30342.0000	37.64	9.00	46.64	54.00	-7.36	AVG
5	32806.0000	47.88	9.25	57.13	74.00	-16.87	peak
6	32806.0000	36.58	9.25	45.83	54.00	-8.17	AVG
7	35248.0000	46.92	10.18	57.10	74.00	-16.90	peak
8	35248.0000	36.18	10.18	46.36	54.00	-7.64	AVG
9	38460.0000	50.07	9.08	59.15	74.00	-14.85	peak
10	38460.0000	40.16	9.08	49.24	54.00	-4.76	AVG
11	39032.0000	49.97	9.13	59.10	74.00	-14.90	peak
12 *	39032.0000	40.67	9.13	49.80	54.00	-4.20	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5200



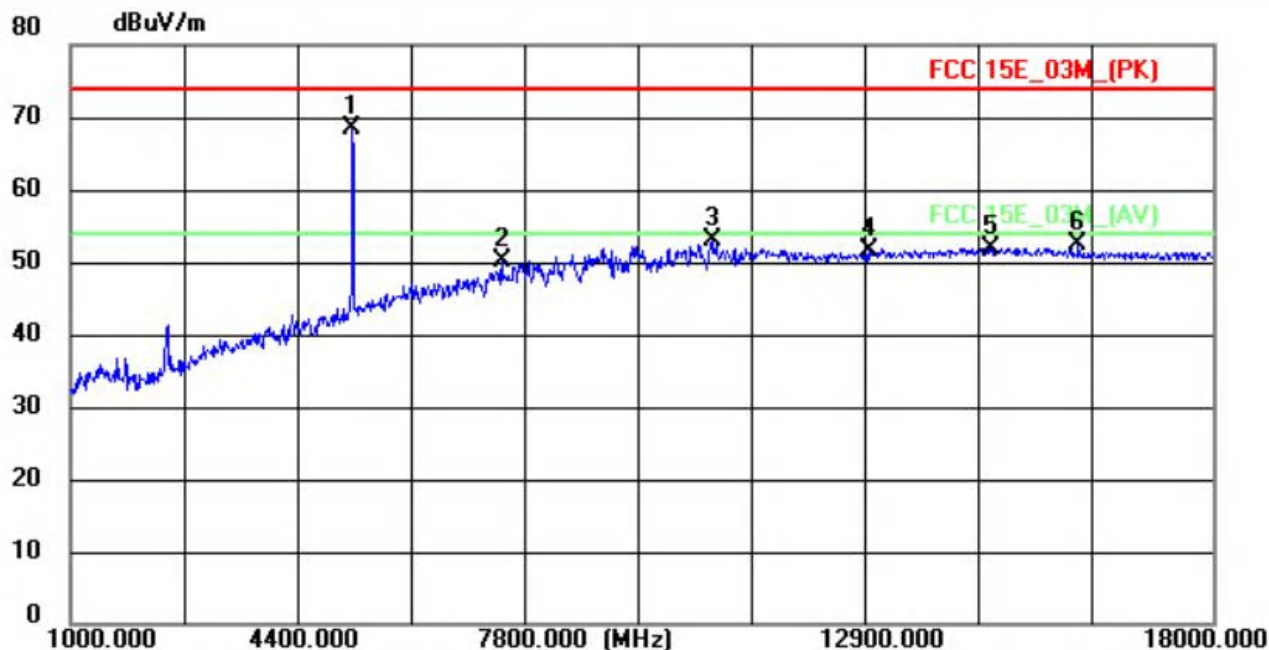
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5200.0000	74.27	-6.37	67.90	/	/	peak
2	7086.0000	50.53	-1.39	49.14	74.00	-24.86	peak
3	10537.0000	50.40	2.66	53.06	74.00	-20.94	peak
4	13053.0000	45.39	6.18	51.57	74.00	-22.43	peak
5	15127.0000	43.63	9.61	53.24	74.00	-20.76	peak
6	15926.0000	42.15	10.34	52.49	74.00	-21.51	peak



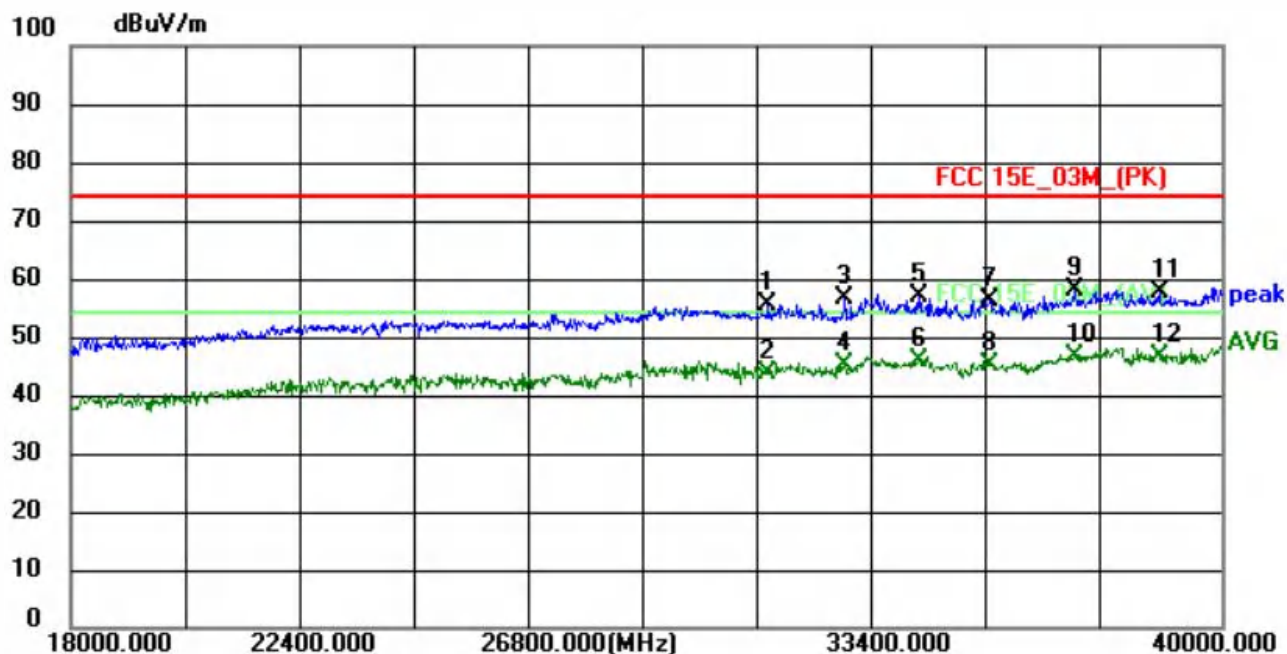
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27988.0000	47.26	7.60	54.86	74.00	-19.14	peak
2	27988.0000	33.97	7.60	41.57	54.00	-12.43	AVG
3	30628.0000	46.66	8.99	55.65	74.00	-18.35	peak
4	30628.0000	36.32	8.99	45.31	54.00	-8.69	AVG
5	32564.0000	47.27	9.32	56.59	74.00	-17.41	peak
6	32564.0000	37.23	9.32	46.55	54.00	-7.45	AVG
7	34896.0000	46.62	10.04	56.66	74.00	-17.34	peak
8	34896.0000	36.26	10.04	46.30	54.00	-7.70	AVG
9	38020.0000	48.75	9.88	58.63	74.00	-15.37	peak
10 *	38020.0000	38.17	9.88	48.05	54.00	-5.95	AVG
11	38790.0000	50.67	9.06	59.73	74.00	-14.27	peak
12	38790.0000	38.18	9.06	47.24	54.00	-6.76	AVG



Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5200

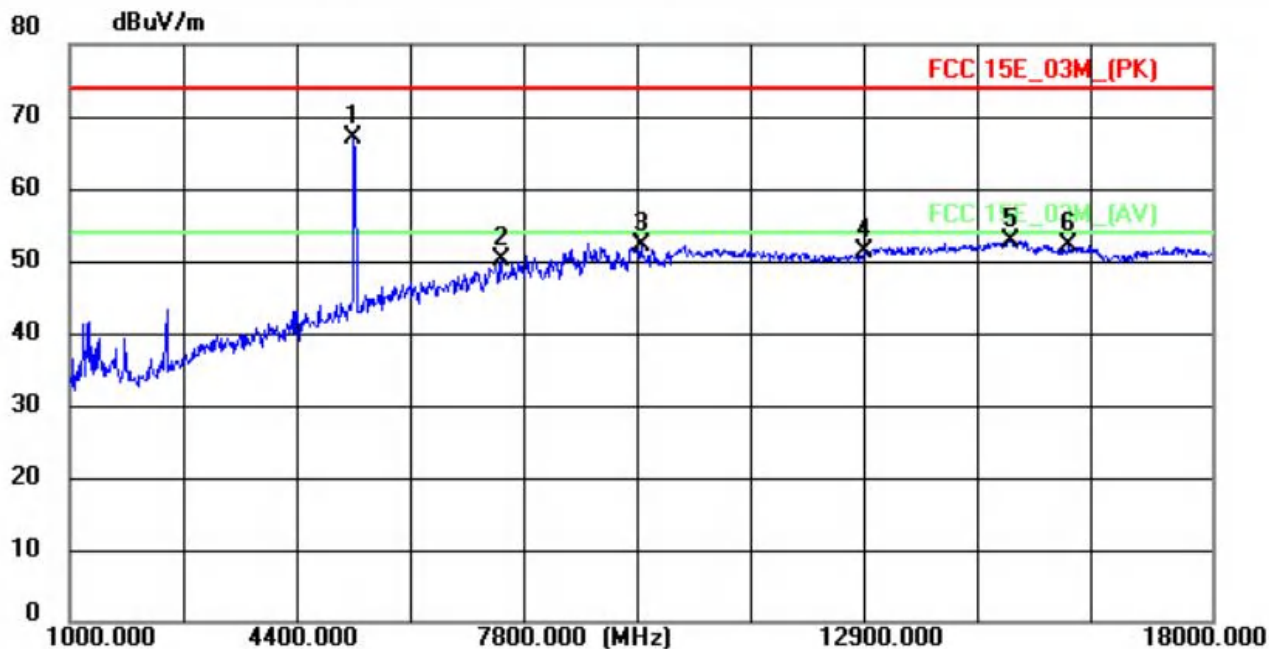


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5200.0000	74.75	-6.37	68.38	/	/	peak
2	7426.0000	50.89	-0.71	50.18	74.00	-23.82	peak
3	10571.0000	50.18	2.71	52.89	74.00	-21.11	peak
4	12900.0000	45.62	5.92	51.54	74.00	-22.46	peak
5	14702.0000	42.99	8.98	51.97	74.00	-22.03	peak
6	15994.0000	41.94	10.39	52.33	74.00	-21.67	peak

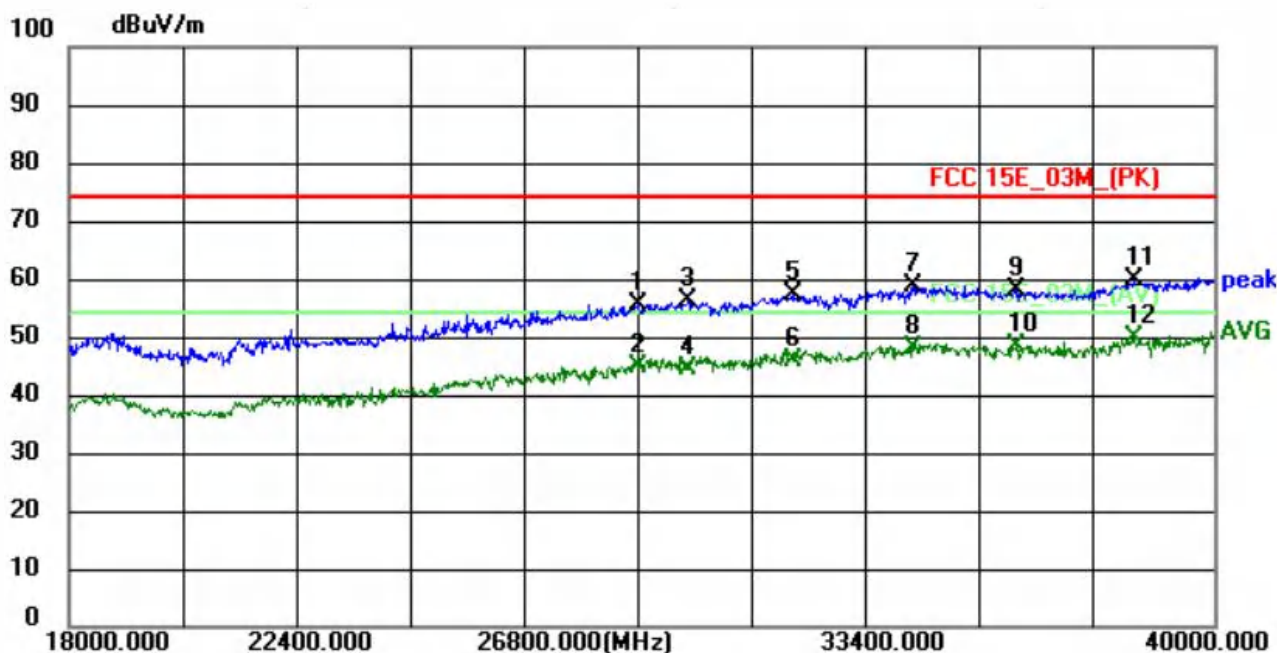


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31332.0000	46.32	9.23	55.55	74.00	-18.45	peak
2	31332.0000	34.42	9.23	43.65	54.00	-10.35	AVG
3	32806.0000	47.38	9.25	56.63	74.00	-17.37	peak
4	32806.0000	36.08	9.25	45.33	54.00	-8.67	AVG
5	34214.0000	47.19	9.67	56.86	74.00	-17.14	peak
6	34214.0000	36.05	9.67	45.72	54.00	-8.28	AVG
7	35578.0000	45.88	10.23	56.11	74.00	-17.89	peak
8	35578.0000	34.85	10.23	45.08	54.00	-8.92	AVG
9	37184.0000	48.11	9.76	57.87	74.00	-16.13	peak
10 *	37184.0000	37.02	9.76	46.78	54.00	-7.22	AVG
11	38812.0000	48.56	9.06	57.62	74.00	-16.38	peak
12	38812.0000	37.54	9.06	46.60	54.00	-7.40	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5240

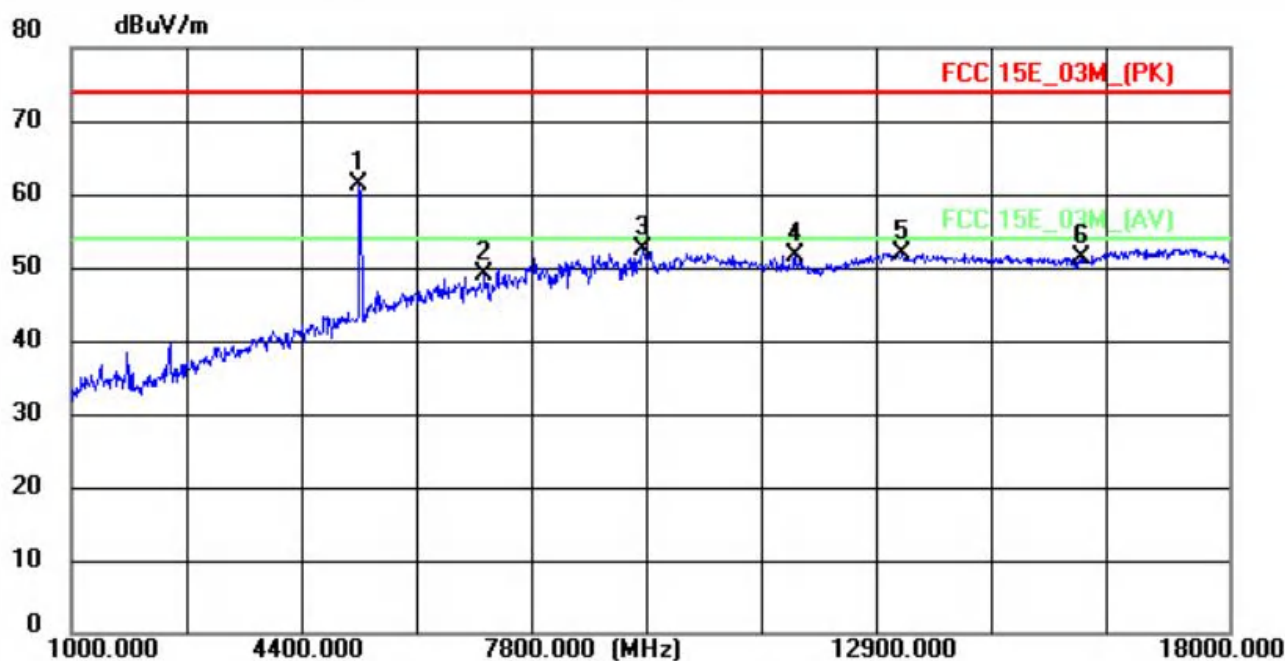


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5240.0000	73.14	-6.28	66.86	/	/	peak
2	7426.0000	50.72	-0.71	50.01	74.00	-23.99	peak
3	9500.0000	50.44	1.83	52.27	74.00	-21.73	peak
4	12815.0000	45.50	5.78	51.28	74.00	-22.72	peak
5	15008.0000	43.24	9.50	52.74	74.00	-21.26	peak
6	15875.0000	41.83	10.28	52.11	74.00	-21.89	peak

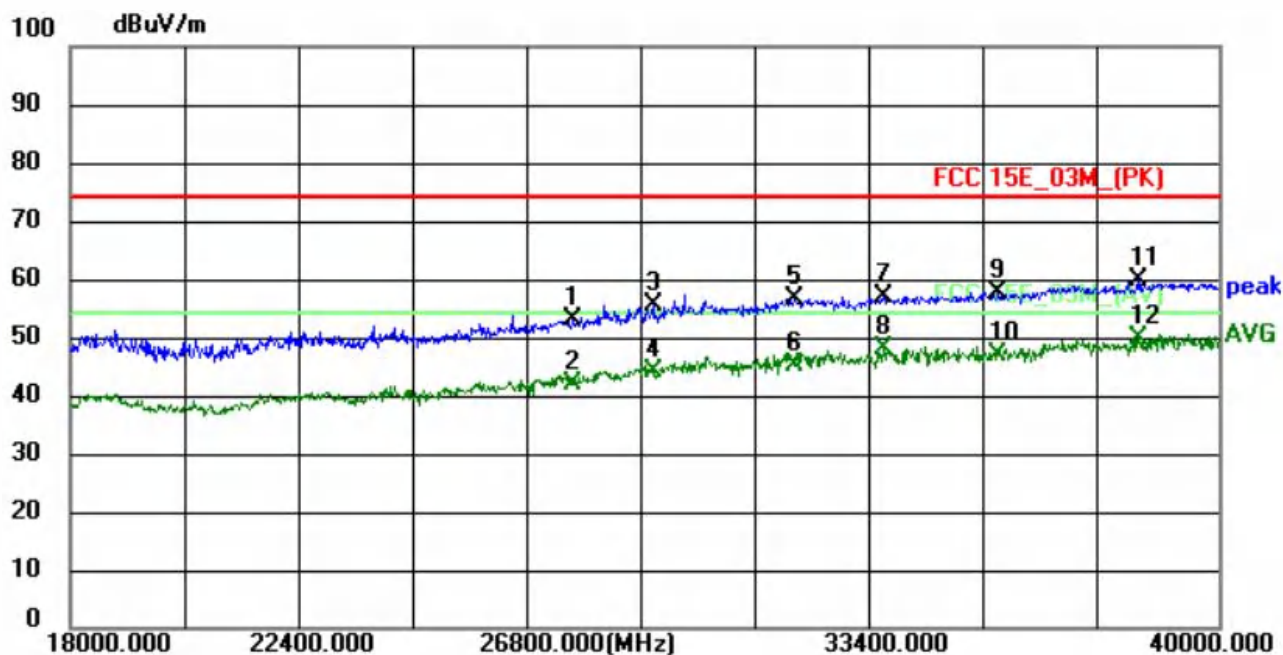


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	28956.0000	46.54	9.06	55.60	74.00	-18.40	peak
2	28956.0000	35.60	9.06	44.66	54.00	-9.34	AVG
3	29902.0000	47.06	9.10	56.16	74.00	-17.84	peak
4	29902.0000	35.19	9.10	44.29	54.00	-9.71	AVG
5	31926.0000	47.81	9.40	57.21	74.00	-16.79	peak
6	31926.0000	36.63	9.40	46.03	54.00	-7.97	AVG
7	34214.0000	48.91	9.67	58.58	74.00	-15.42	peak
8	34214.0000	38.20	9.67	47.87	54.00	-6.13	AVG
9	36194.0000	48.21	9.87	58.08	74.00	-15.92	peak
10	36194.0000	38.43	9.87	48.30	54.00	-5.70	AVG
11	38482.0000	50.70	9.05	59.75	74.00	-14.25	peak
12 *	38482.0000	40.63	9.05	49.68	54.00	-4.32	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5240

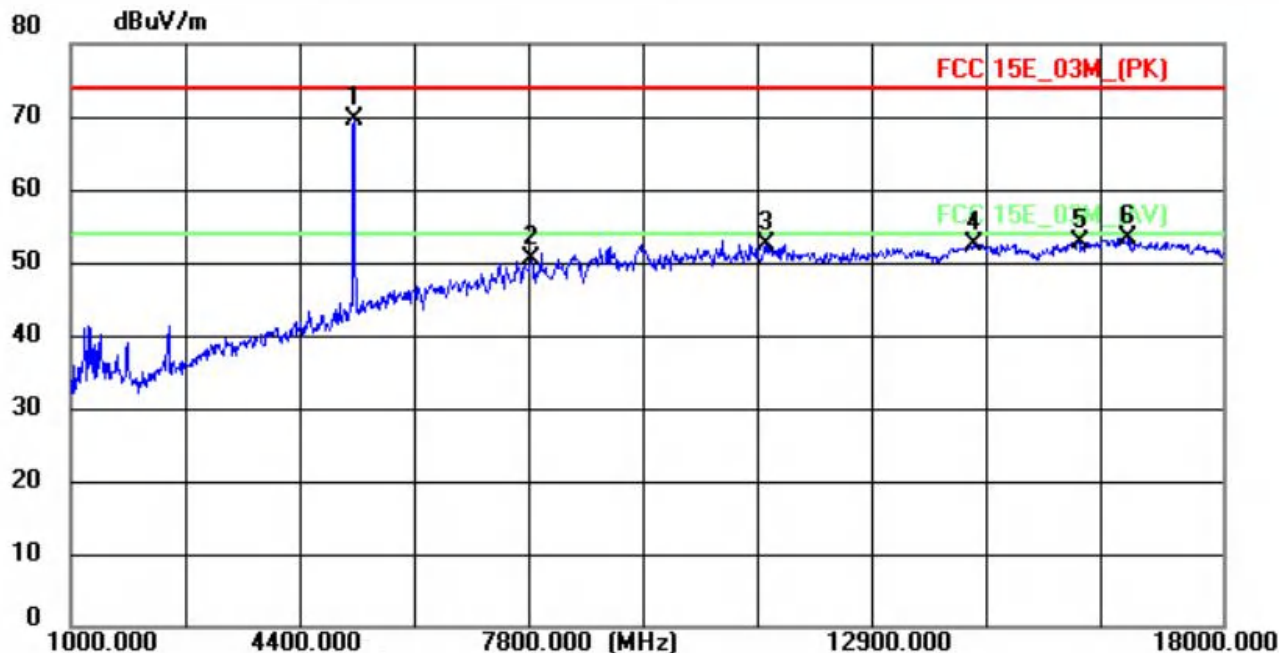


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5240.0000	67.51	-6.28	61.23	/	/	peak
2	7069.0000	50.40	-1.42	48.98	74.00	-25.02	peak
3	9398.0000	50.68	1.80	52.48	74.00	-21.52	peak
4	11625.0000	47.54	3.95	51.49	74.00	-22.51	peak
5	13206.0000	45.51	6.44	51.95	74.00	-22.05	peak
6	15841.0000	41.16	10.25	51.41	74.00	-22.59	peak

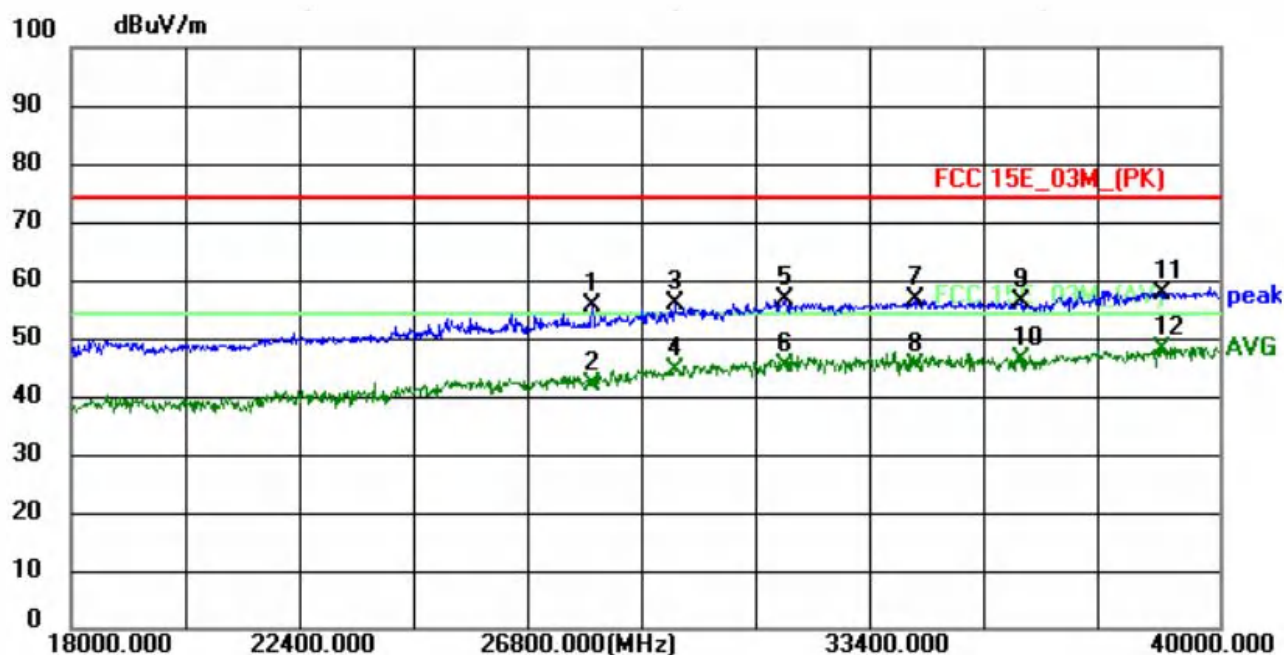


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27636.0000	45.76	7.27	53.03	74.00	-20.97	peak
2	27636.0000	34.82	7.27	42.09	54.00	-11.91	AVG
3	29176.0000	46.43	9.15	55.58	74.00	-18.42	peak
4	29176.0000	34.80	9.15	43.95	54.00	-10.05	AVG
5	31882.0000	47.28	9.40	56.68	74.00	-17.32	peak
6	31882.0000	35.87	9.40	45.27	54.00	-8.73	AVG
7	33598.0000	47.48	9.36	56.84	74.00	-17.16	peak
8	33598.0000	38.65	9.36	48.01	54.00	-5.99	AVG
9	35776.0000	47.43	10.10	57.53	74.00	-16.47	peak
10	35776.0000	36.83	10.10	46.93	54.00	-7.07	AVG
11	38460.0000	50.57	9.08	59.65	74.00	-14.35	peak
12 *	38460.0000	40.66	9.08	49.74	54.00	-4.26	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5180

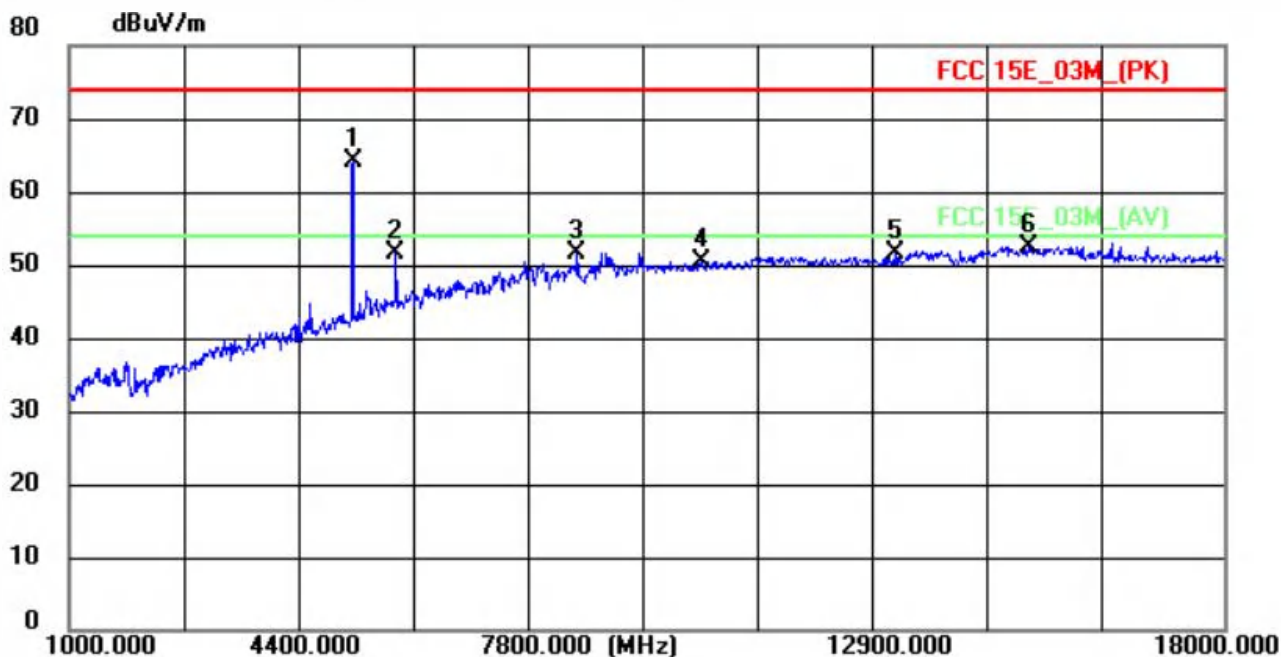


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5180.0000	76.06	-6.40	69.66	/	/	peak
2	7783.0000	50.34	0.01	50.35	74.00	-23.65	peak
3	11251.0000	48.97	3.51	52.48	74.00	-21.52	peak
4	14328.0000	44.18	8.35	52.53	74.00	-21.47	peak
5	15892.0000	42.35	10.30	52.65	74.00	-21.35	peak
6	16606.0000	42.21	10.94	53.15	74.00	-20.85	peak

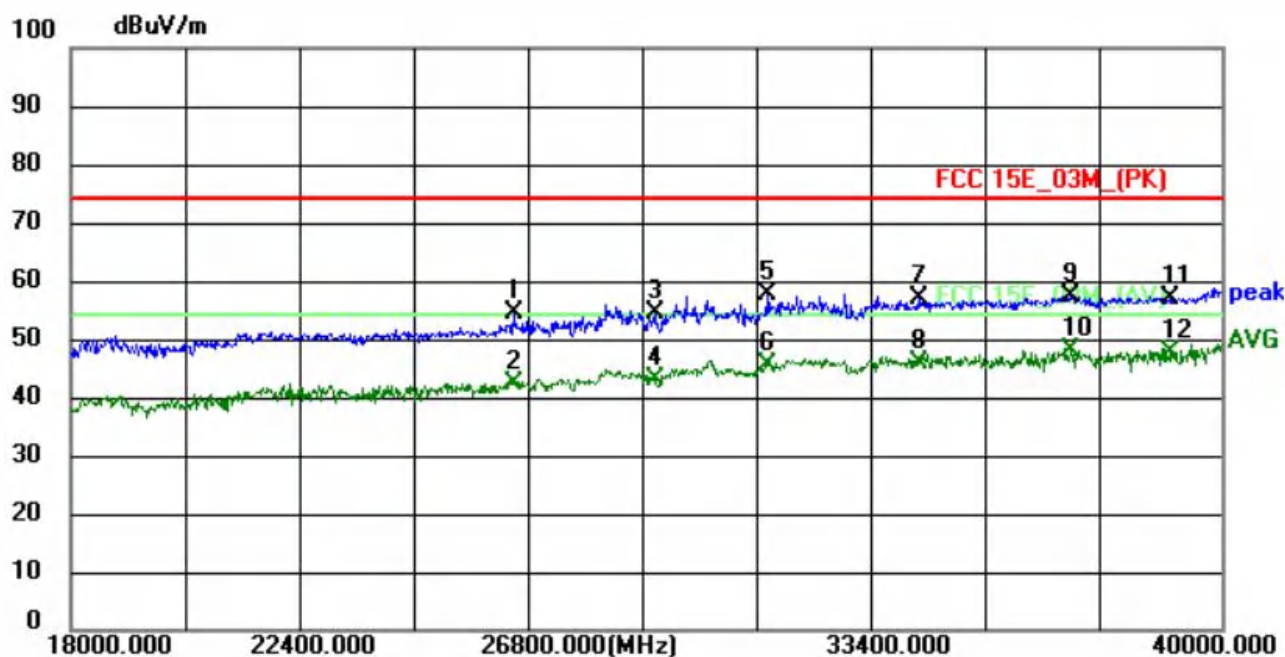


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27988.0000	47.76	7.60	55.36	74.00	-18.64	peak
2	27988.0000	34.47	7.60	42.07	54.00	-11.93	AVG
3	29572.0000	46.63	9.19	55.82	74.00	-18.18	peak
4	29572.0000	35.41	9.19	44.60	54.00	-9.40	AVG
5	31662.0000	47.43	9.35	56.78	74.00	-17.22	peak
6	31662.0000	35.84	9.35	45.19	54.00	-8.81	AVG
7	34192.0000	46.99	9.66	56.65	74.00	-17.35	peak
8	34192.0000	35.47	9.66	45.13	54.00	-8.87	AVG
9	36194.0000	46.21	9.87	56.08	74.00	-17.92	peak
10	36194.0000	36.43	9.87	46.30	54.00	-7.70	AVG
11	38922.0000	48.77	9.08	57.85	74.00	-16.15	peak
12 *	38922.0000	38.87	9.08	47.95	54.00	-6.05	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5180

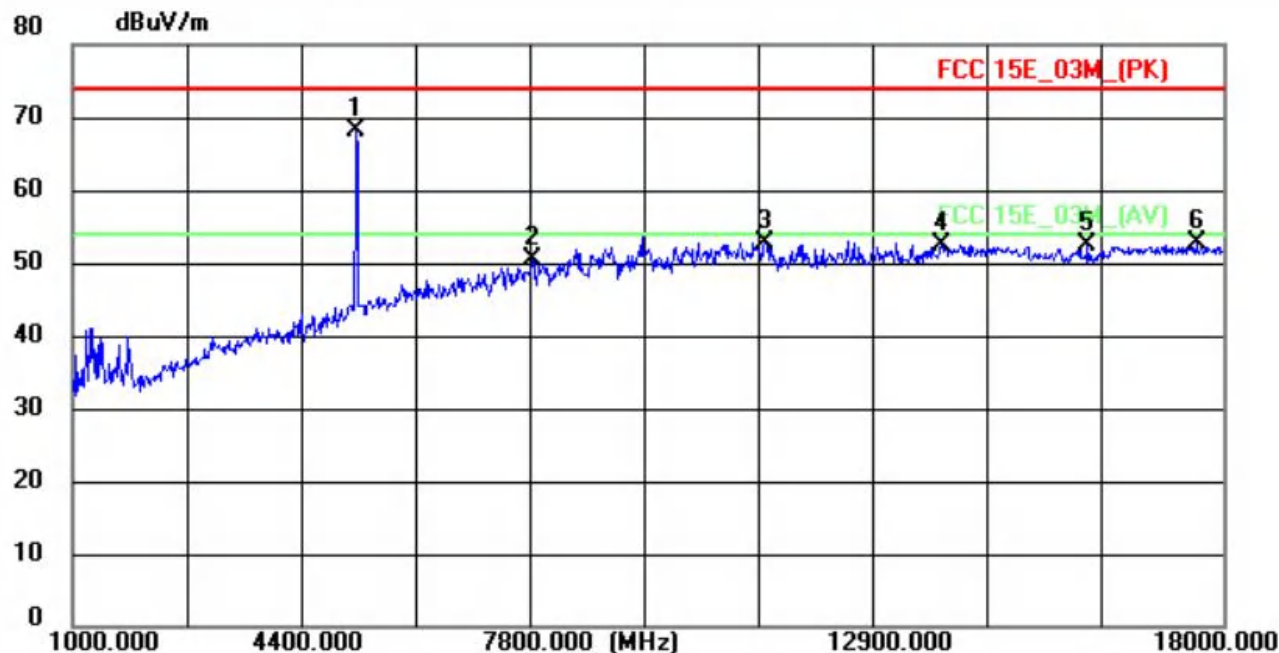


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5180.0000	70.48	-6.40	64.08	/	/	peak
2	5811.0000	55.93	-4.33	51.60	74.00	-22.40	peak
3	8480.0000	50.62	1.03	51.65	74.00	-22.35	peak
4	10316.0000	48.15	2.41	50.56	74.00	-23.44	peak
5	13172.0000	45.17	6.38	51.55	74.00	-22.45	peak
6	15127.0000	42.74	9.61	52.35	74.00	-21.65	peak

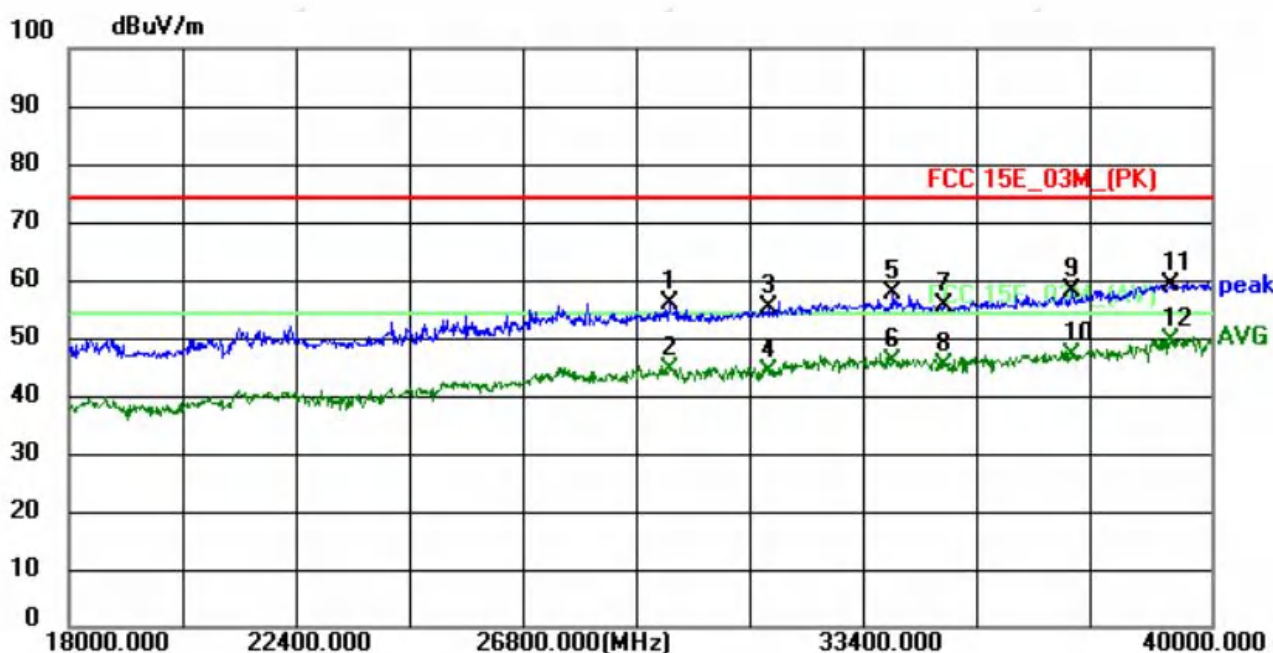


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	26470.0000	48.36	6.28	54.64	74.00	-19.36	peak
2	26470.0000	36.16	6.28	42.44	54.00	-11.56	AVG
3	29176.0000	45.43	9.15	54.58	74.00	-19.42	peak
4	29176.0000	33.80	9.15	42.95	54.00	-11.05	AVG
5	31332.0000	48.32	9.23	57.55	74.00	-16.45	peak
6	31332.0000	36.42	9.23	45.65	54.00	-8.35	AVG
7	34214.0000	47.19	9.67	56.86	74.00	-17.14	peak
8	34214.0000	36.05	9.67	45.72	54.00	-8.28	AVG
9	37118.0000	47.56	9.76	57.32	74.00	-16.68	peak
10 *	37118.0000	38.12	9.76	47.88	54.00	-6.12	AVG
11	39032.0000	47.97	9.13	57.10	74.00	-16.90	peak
12	39032.0000	38.67	9.13	47.80	54.00	-6.20	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5200



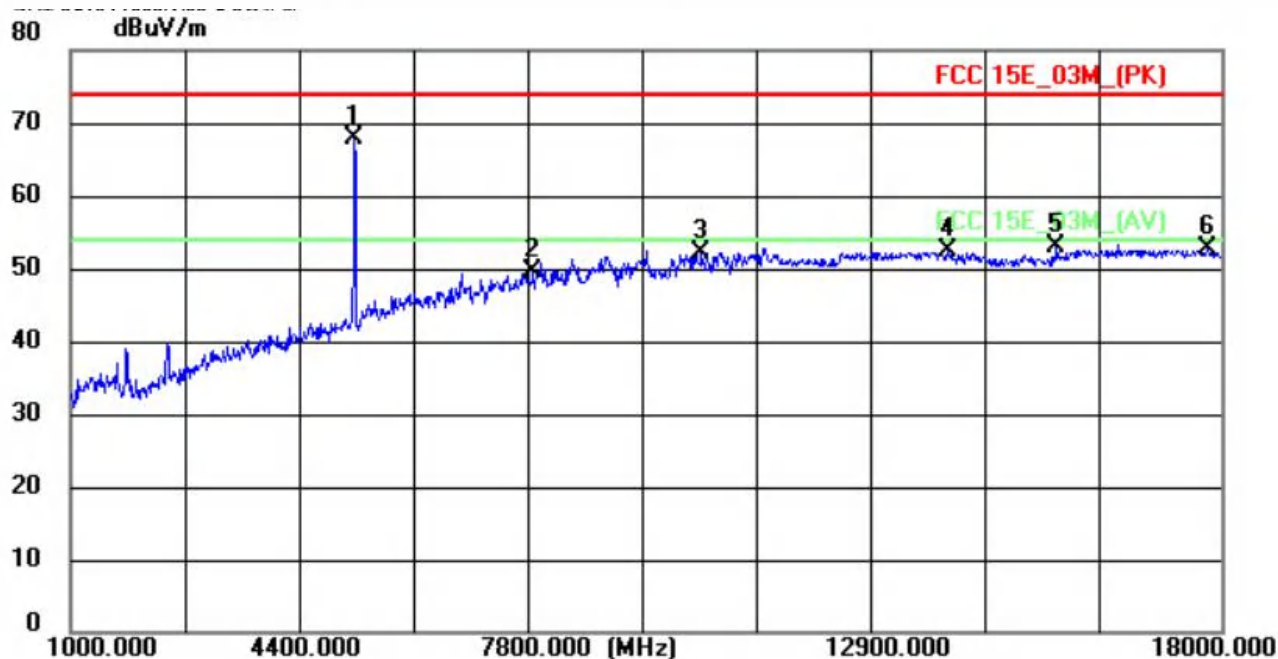
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5200.0000	74.52	-6.37	68.15	/	/	peak
2	7800.0000	50.33	0.05	50.38	74.00	-23.62	peak
3	11234.0000	49.25	3.49	52.74	74.00	-21.26	peak
4	13852.0000	44.86	7.54	52.40	74.00	-21.60	peak
5	15994.0000	42.01	10.39	52.40	74.00	-21.60	peak
6	17609.0000	40.73	11.85	52.58	74.00	-21.42	peak



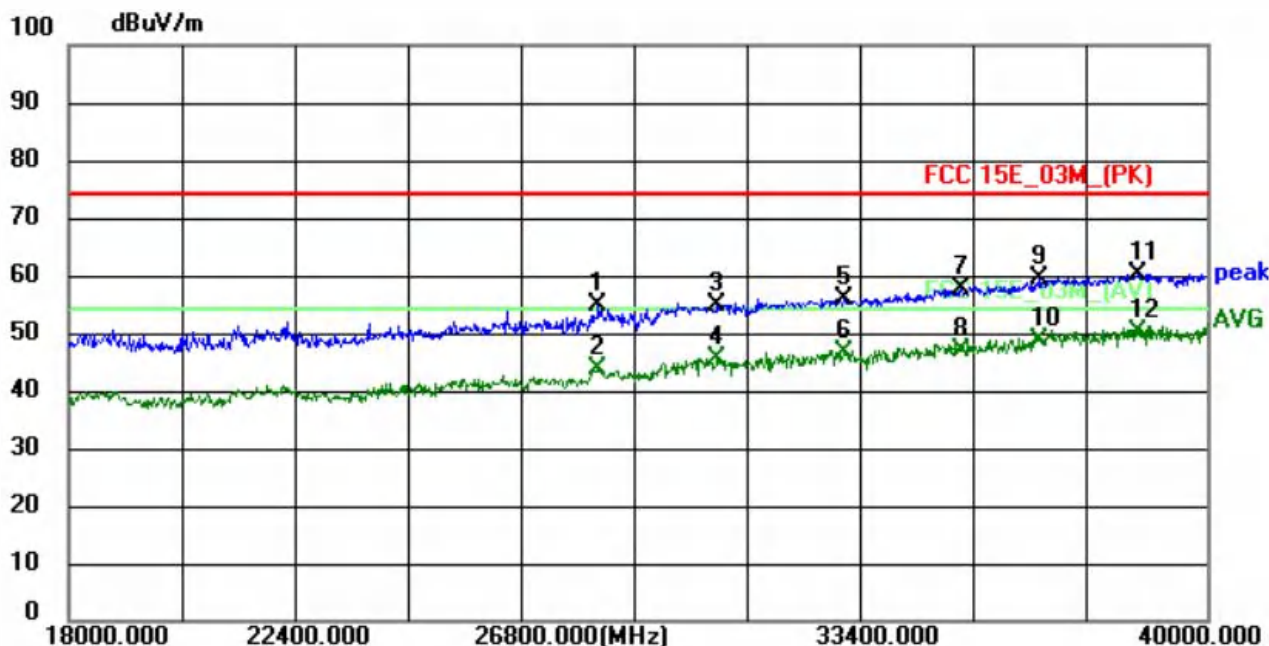
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29572.0000	46.63	9.19	55.82	74.00	-18.18	peak
2	29572.0000	35.41	9.19	44.60	54.00	-9.40	AVG
3	31486.0000	45.72	9.32	55.04	74.00	-18.96	peak
4	31486.0000	34.70	9.32	44.02	54.00	-9.98	AVG
5	33884.0000	48.16	9.49	57.65	74.00	-16.35	peak
6	33884.0000	36.31	9.49	45.80	54.00	-8.20	AVG
7	34852.0000	45.67	10.02	55.69	74.00	-18.31	peak
8	34852.0000	35.21	10.02	45.23	54.00	-8.77	AVG
9	37338.0000	48.20	9.80	58.00	74.00	-16.00	peak
10	37338.0000	37.08	9.80	46.88	54.00	-7.12	AVG
11	39230.0000	49.90	9.32	59.22	74.00	-14.78	peak
12 *	39230.0000	40.21	9.32	49.53	54.00	-4.47	AVG



Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5200

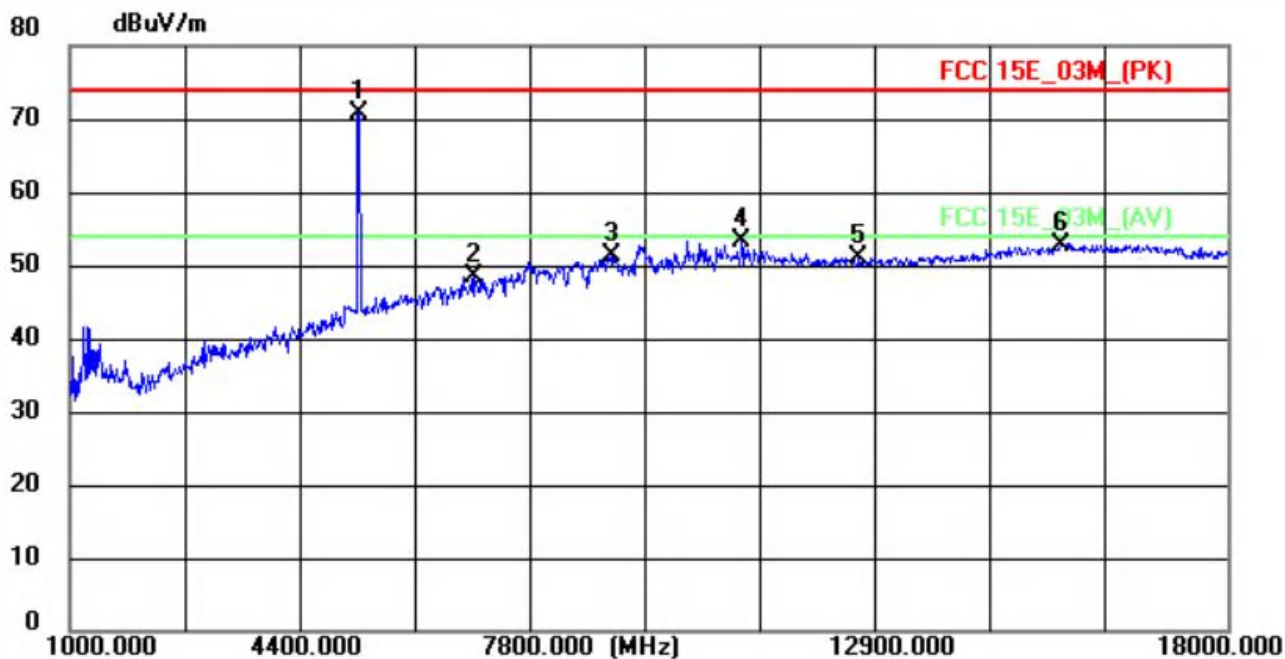


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5200.0000	74.16	-6.37	67.79	/	/	peak
2	7834.0000	49.47	0.12	49.59	74.00	-24.41	peak
3	10316.0000	49.87	2.41	52.28	74.00	-21.72	peak
4	13971.0000	44.63	7.74	52.37	74.00	-21.63	peak
5	15569.0000	42.95	10.00	52.95	74.00	-21.05	peak
6	17813.0000	40.70	12.04	52.74	74.00	-21.26	peak

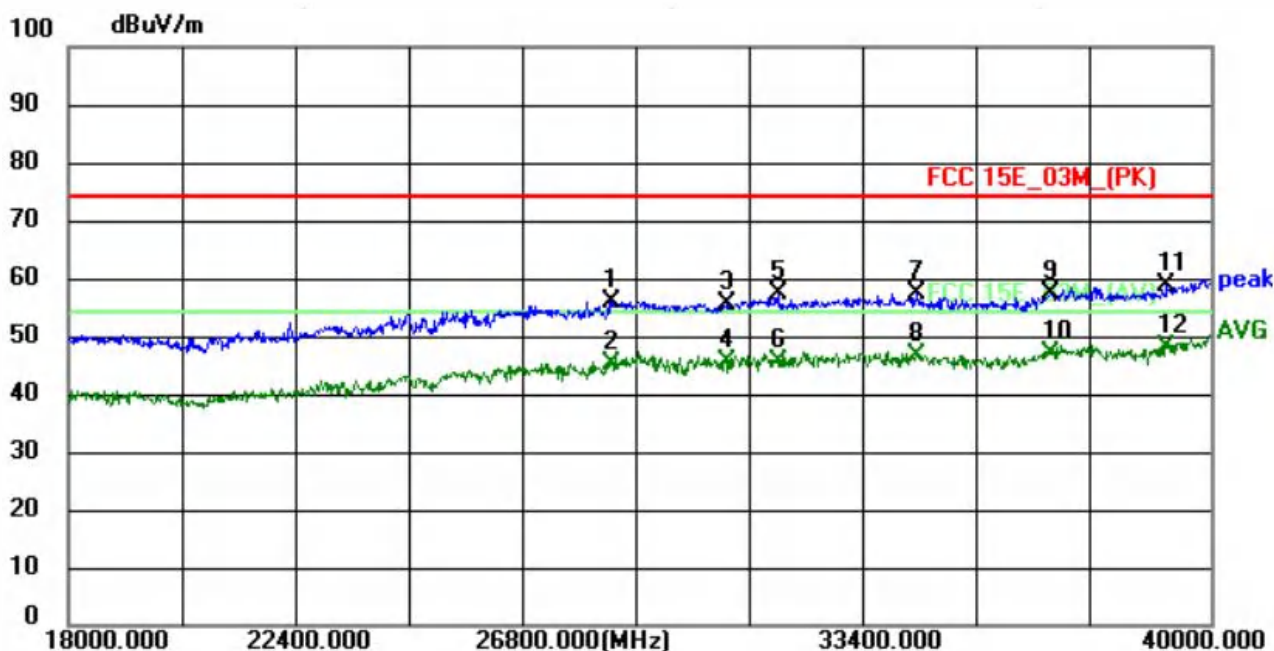


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	28230.0000	46.91	7.97	54.88	74.00	-19.12	peak
2	28230.0000	35.78	7.97	43.75	54.00	-10.25	AVG
3	30540.0000	45.97	8.97	54.94	74.00	-19.06	peak
4	30540.0000	36.41	8.97	45.38	54.00	-8.62	AVG
5	33004.0000	46.64	9.18	55.82	74.00	-18.18	peak
6	33004.0000	37.43	9.18	46.61	54.00	-7.39	AVG
7	35248.0000	47.42	10.18	57.60	74.00	-16.40	peak
8	35248.0000	36.68	10.18	46.86	54.00	-7.14	AVG
9	36766.0000	49.58	9.74	59.32	74.00	-14.68	peak
10	36766.0000	39.13	9.74	48.87	54.00	-5.13	AVG
11	38680.0000	51.06	9.04	60.10	74.00	-13.90	peak
12 *	38680.0000	41.29	9.04	50.33	54.00	-3.67	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5240

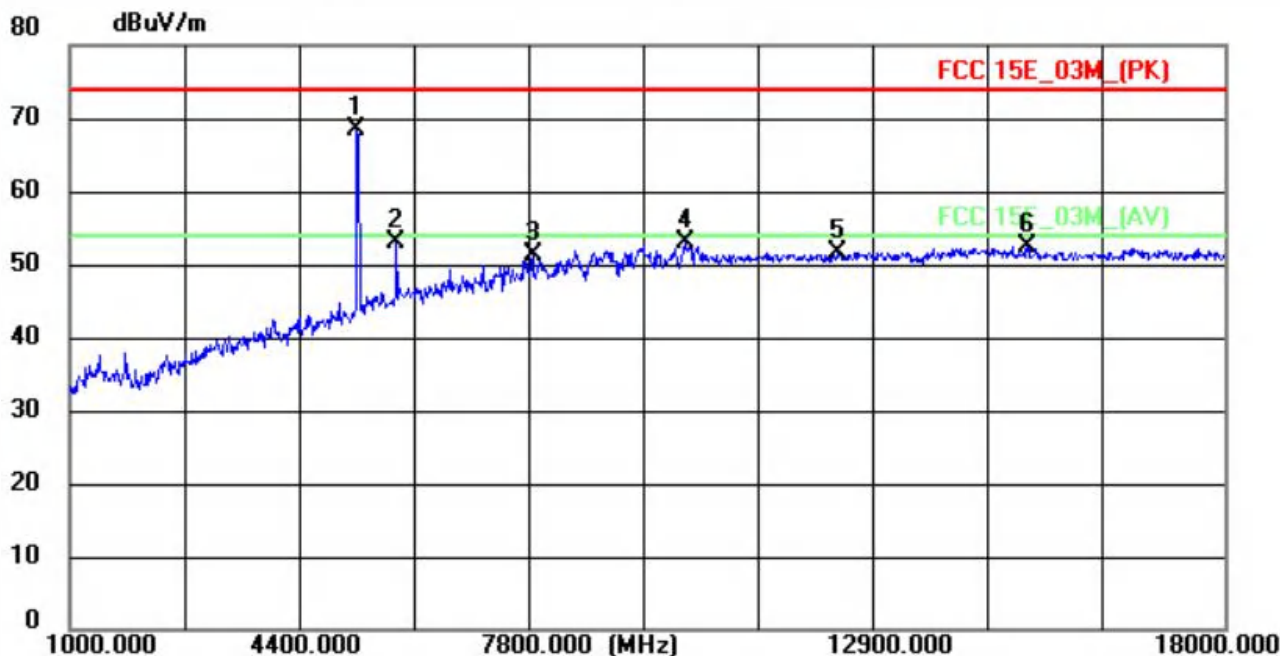


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5240.0000	77.04	-6.26	70.78	/	/	peak
2	6950.0000	50.05	-1.65	48.40	74.00	-25.60	peak
3	8956.0000	49.76	1.59	51.35	74.00	-22.65	peak
4	10877.0000	50.28	3.07	53.35	74.00	-20.65	peak
5	12594.0000	45.56	5.40	50.96	74.00	-23.04	peak
6	15552.0000	42.82	9.98	52.80	74.00	-21.20	peak

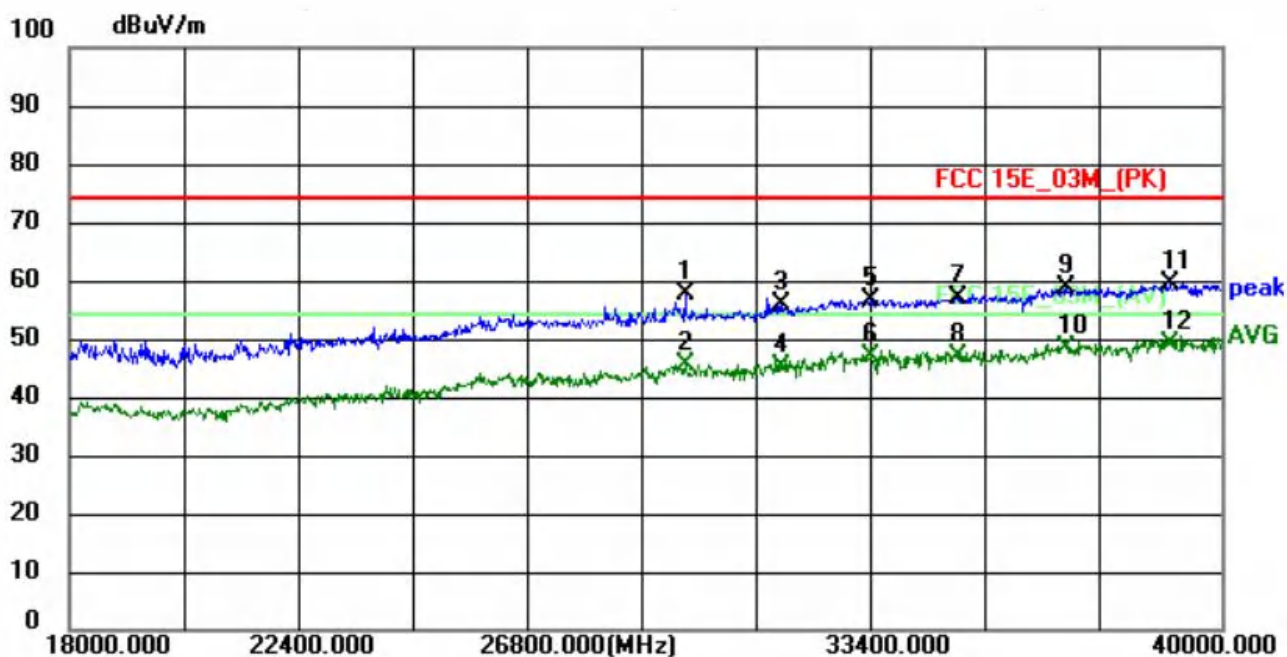


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	28472.0000	47.73	8.33	56.06	74.00	-17.94	peak
2	28472.0000	36.74	8.33	45.07	54.00	-8.93	AVG
3	30672.0000	46.56	8.99	55.55	74.00	-18.45	peak
4	30672.0000	36.38	8.99	45.37	54.00	-8.63	AVG
5	31662.0000	47.93	9.35	57.28	74.00	-16.72	peak
6	31662.0000	36.34	9.35	45.69	54.00	-8.31	AVG
7	34324.0000	47.43	9.73	57.16	74.00	-16.84	peak
8	34324.0000	36.82	9.73	46.55	54.00	-7.45	AVG
9	36942.0000	47.62	9.74	57.36	74.00	-16.64	peak
10	36942.0000	37.19	9.74	46.93	54.00	-7.07	AVG
11	39164.0000	49.65	9.25	58.90	74.00	-15.10	peak
12 *	39164.0000	38.68	9.25	47.93	54.00	-6.07	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5240

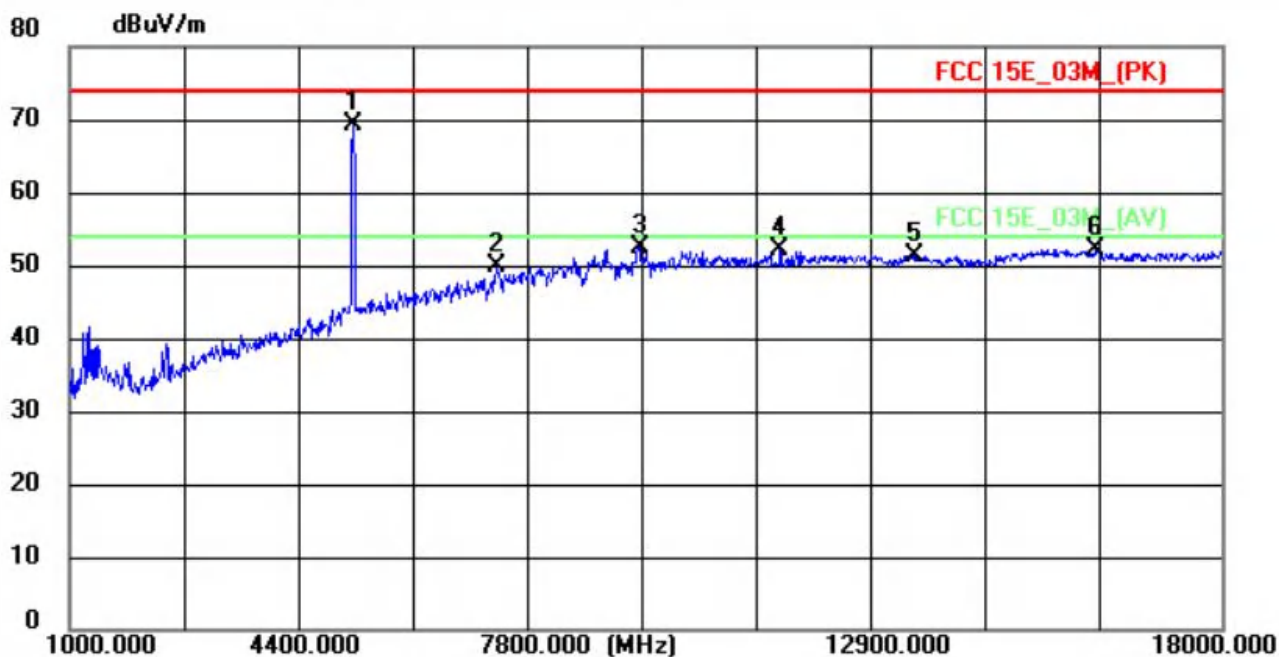


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5240.0000	74.77	-6.28	68.49	/	/	peak
2	5811.0000	57.21	-4.33	52.88	74.00	-21.12	peak
3	7817.0000	51.07	0.09	51.16	74.00	-22.84	peak
4	10061.0000	51.02	2.11	53.13	74.00	-20.87	peak
5	12322.0000	46.50	4.94	51.44	74.00	-22.56	peak
6	15093.0000	42.85	9.57	52.42	74.00	-21.58	peak

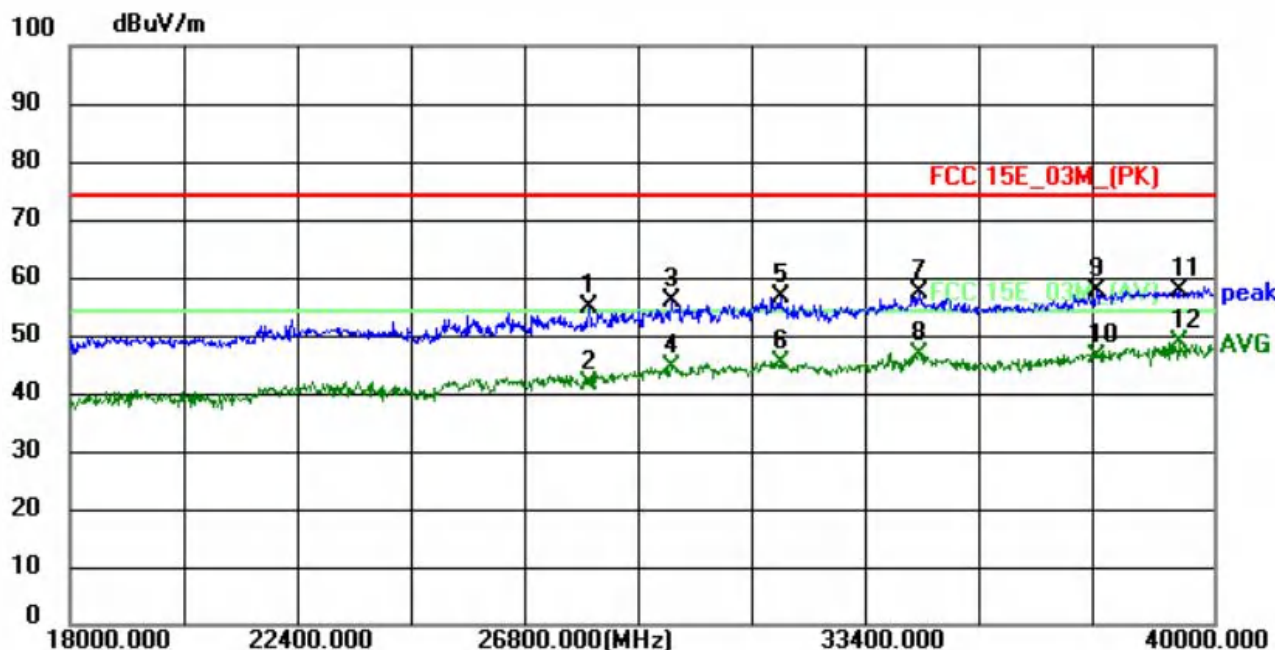


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29770.0000	48.63	9.14	57.77	74.00	-16.23	peak
2	29770.0000	36.33	9.14	45.47	54.00	-8.53	AVG
3	31618.0000	46.49	9.35	55.84	74.00	-18.16	peak
4	31618.0000	35.78	9.35	45.13	54.00	-8.87	AVG
5	33312.0000	47.31	9.26	56.57	74.00	-17.43	peak
6	33312.0000	37.65	9.26	46.91	54.00	-7.09	AVG
7	34962.0000	47.02	10.08	57.10	74.00	-16.90	peak
8	34962.0000	36.88	10.08	46.96	54.00	-7.04	AVG
9	37052.0000	48.98	9.74	58.72	74.00	-15.28	peak
10	37052.0000	38.60	9.74	48.34	54.00	-5.66	AVG
11	39010.0000	50.20	9.10	59.30	74.00	-14.70	peak
12 *	39010.0000	40.12	9.10	49.22	54.00	-4.78	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5190

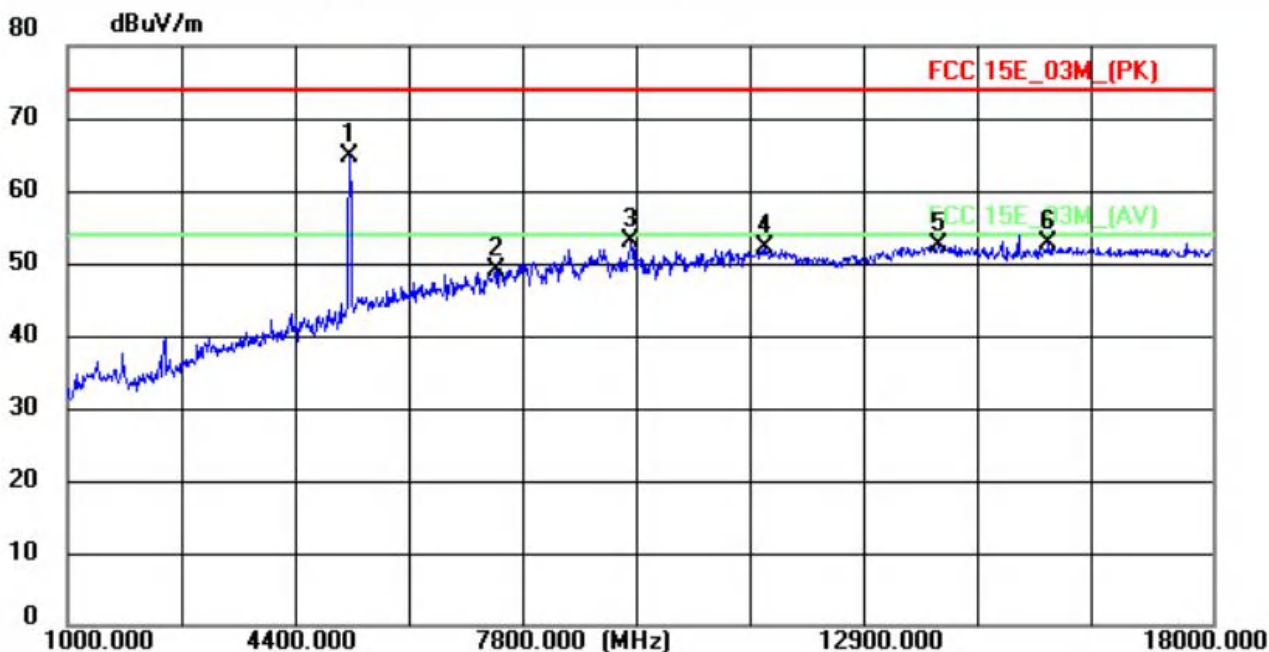


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5190.0000	75.56	-6.40	69.16	/	/	peak
2	7307.0000	50.75	-0.94	49.81	74.00	-24.19	peak
3	9415.0000	50.74	1.79	52.53	74.00	-21.47	peak
4	11489.0000	48.40	3.79	52.19	74.00	-21.81	peak
5	13478.0000	44.36	6.90	51.26	74.00	-22.74	peak
6	16130.0000	41.58	10.52	52.10	74.00	-21.90	peak

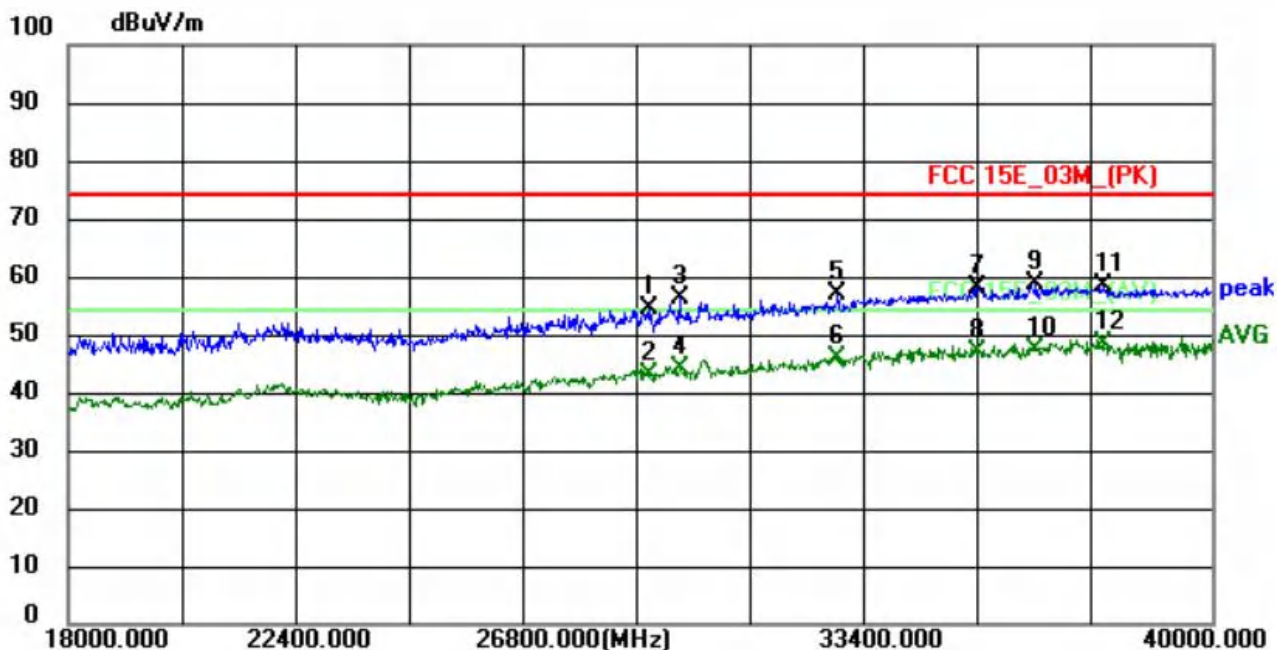


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27988.0000	47.26	7.60	54.86	74.00	-19.14	peak
2	27988.0000	33.97	7.60	41.57	54.00	-12.43	AVG
3	29572.0000	46.63	9.19	55.82	74.00	-18.18	peak
4	29572.0000	35.41	9.19	44.60	54.00	-9.40	AVG
5	31662.0000	47.43	9.35	56.78	74.00	-17.22	peak
6	31662.0000	35.84	9.35	45.19	54.00	-8.81	AVG
7	34324.0000	47.43	9.73	57.16	74.00	-16.84	peak
8	34324.0000	36.82	9.73	46.55	54.00	-7.45	AVG
9	37756.0000	47.68	9.87	57.55	74.00	-16.45	peak
10	37756.0000	36.32	9.87	46.19	54.00	-7.81	AVG
11	39362.0000	48.17	9.43	57.60	74.00	-16.40	peak
12 *	39362.0000	39.18	9.43	48.61	54.00	-5.39	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5190

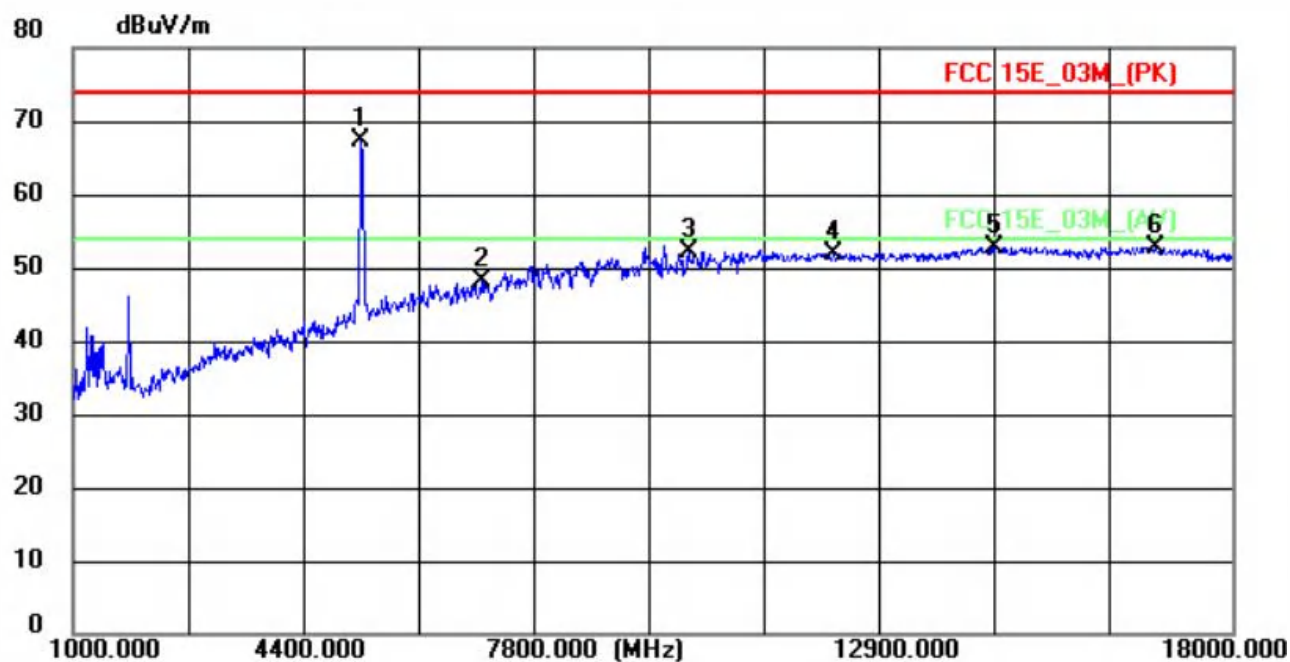


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	519.0000	71.15	-6.37	64.78	/	/	peak
2	7358.0000	49.74	-0.84	48.90	74.00	-25.10	peak
3	9364.0000	51.08	1.78	52.86	74.00	-21.14	peak
4	11353.0000	48.48	3.62	52.10	74.00	-21.90	peak
5	13920.0000	44.80	7.65	52.45	74.00	-21.55	peak
6	15569.0000	42.66	10.00	52.66	74.00	-21.34	peak

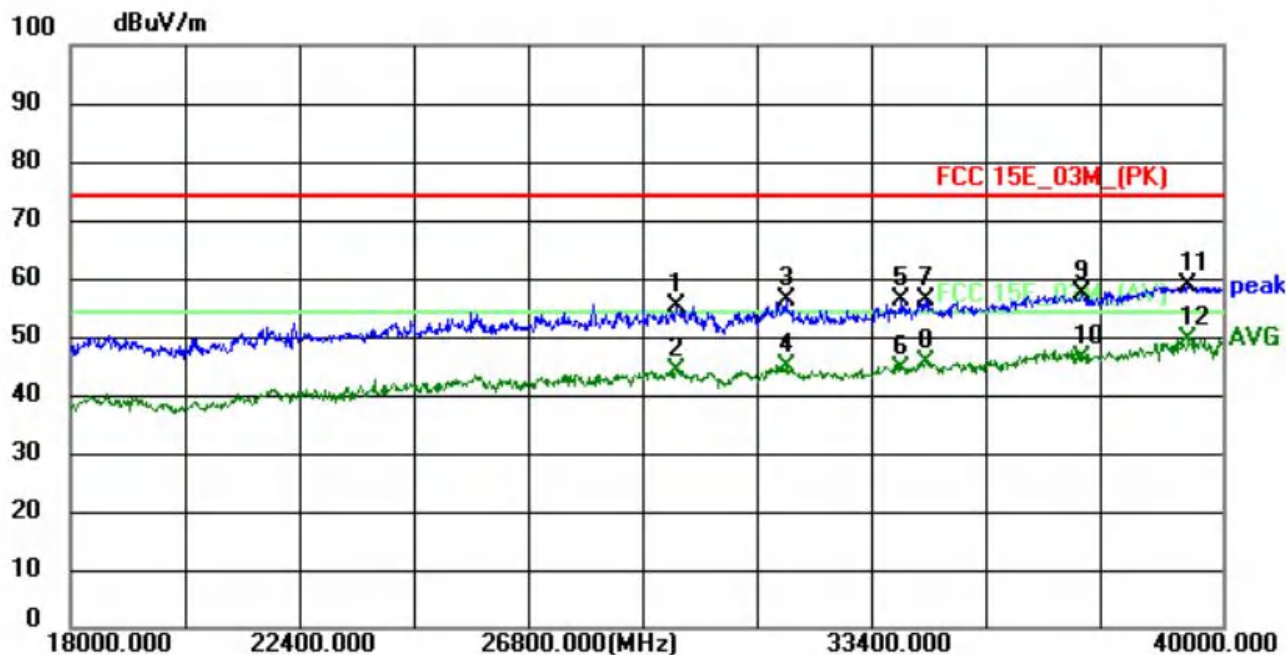


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29176.0000	45.43	9.15	54.58	74.00	-19.42	peak
2	29176.0000	33.80	9.15	42.95	54.00	-11.05	AVG
3	29770.0000	47.13	9.14	56.27	74.00	-17.73	peak
4	29770.0000	34.83	9.14	43.97	54.00	-10.03	AVG
5	32806.0000	47.88	9.25	57.13	74.00	-16.87	peak
6	32806.0000	36.58	9.25	45.83	54.00	-8.17	AVG
7	35512.0000	47.87	10.27	58.14	74.00	-15.86	peak
8	35512.0000	36.77	10.27	47.04	54.00	-6.96	AVG
9	36612.0000	49.10	9.74	58.84	74.00	-15.16	peak
10	36612.0000	37.76	9.74	47.50	54.00	-6.50	AVG
11	37932.0000	48.50	9.90	58.40	74.00	-15.60	peak
12 *	37932.0000	38.41	9.90	48.31	54.00	-5.69	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5230



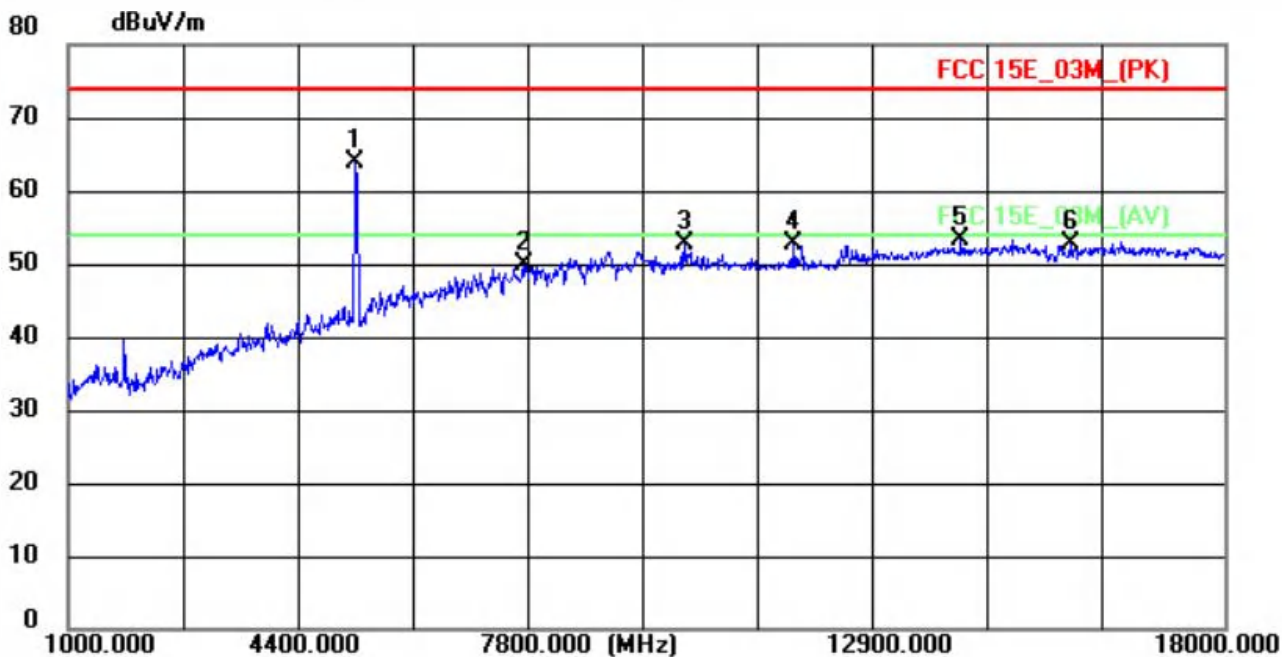
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5230.0000	73.67	-6.28	67.39	/	/	peak
2	6984.0000	49.60	-1.58	48.02	74.00	-25.98	peak
3	10027.0000	50.13	2.07	52.20	74.00	-21.80	peak
4	12169.0000	47.27	4.68	51.95	74.00	-22.05	peak
5	14515.0000	44.05	8.67	52.72	74.00	-21.28	peak
6	16895.0000	41.55	11.21	52.76	74.00	-21.24	peak



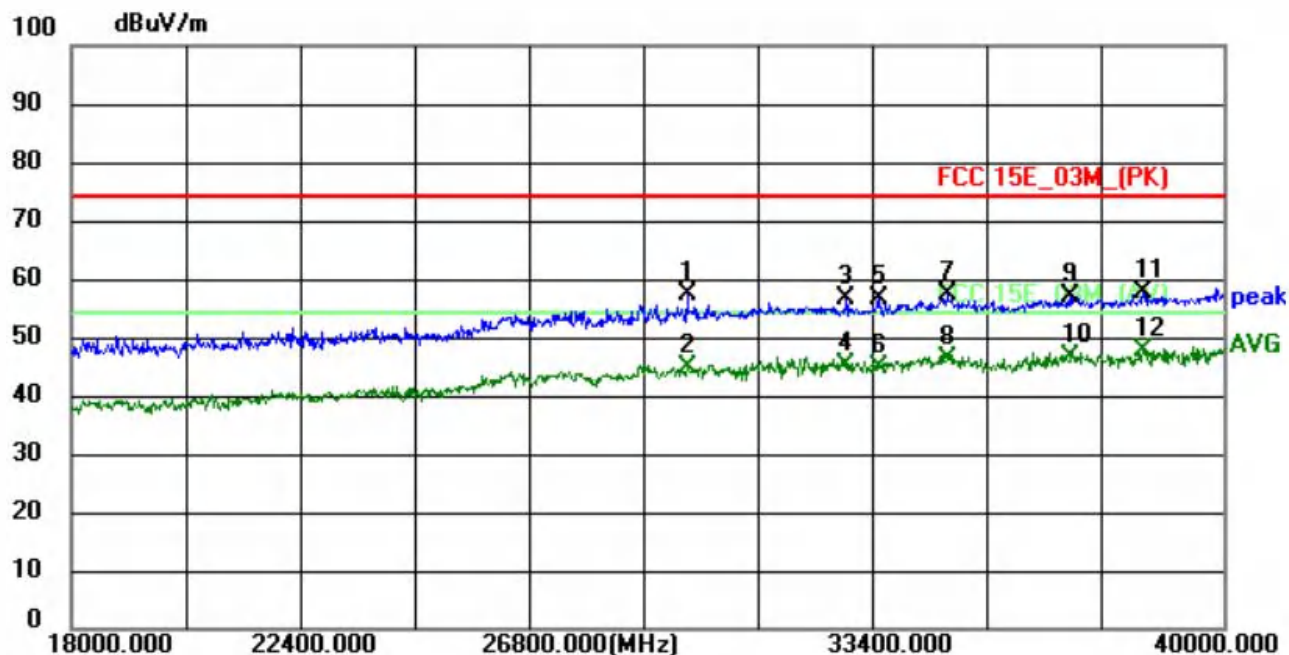
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29572.0000	46.13	9.19	55.32	74.00	-18.68	peak
2	29572.0000	34.91	9.19	44.10	54.00	-9.90	AVG
3	31662.0000	46.93	9.35	56.28	74.00	-17.72	peak
4	31662.0000	35.34	9.35	44.69	54.00	-9.31	AVG
5	33884.0000	46.66	9.49	56.15	74.00	-17.85	peak
6	33884.0000	34.81	9.49	44.30	54.00	-9.70	AVG
7	34324.0000	46.43	9.73	56.16	74.00	-17.84	peak
8	34324.0000	35.82	9.73	45.55	54.00	-8.45	AVG
9	37338.0000	47.70	9.80	57.50	74.00	-16.50	peak
10	37338.0000	36.58	9.80	46.38	54.00	-7.62	AVG
11	39362.0000	49.17	9.43	58.60	74.00	-15.40	peak
12 *	39362.0000	40.18	9.43	49.61	54.00	-4.39	AVG



Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5230

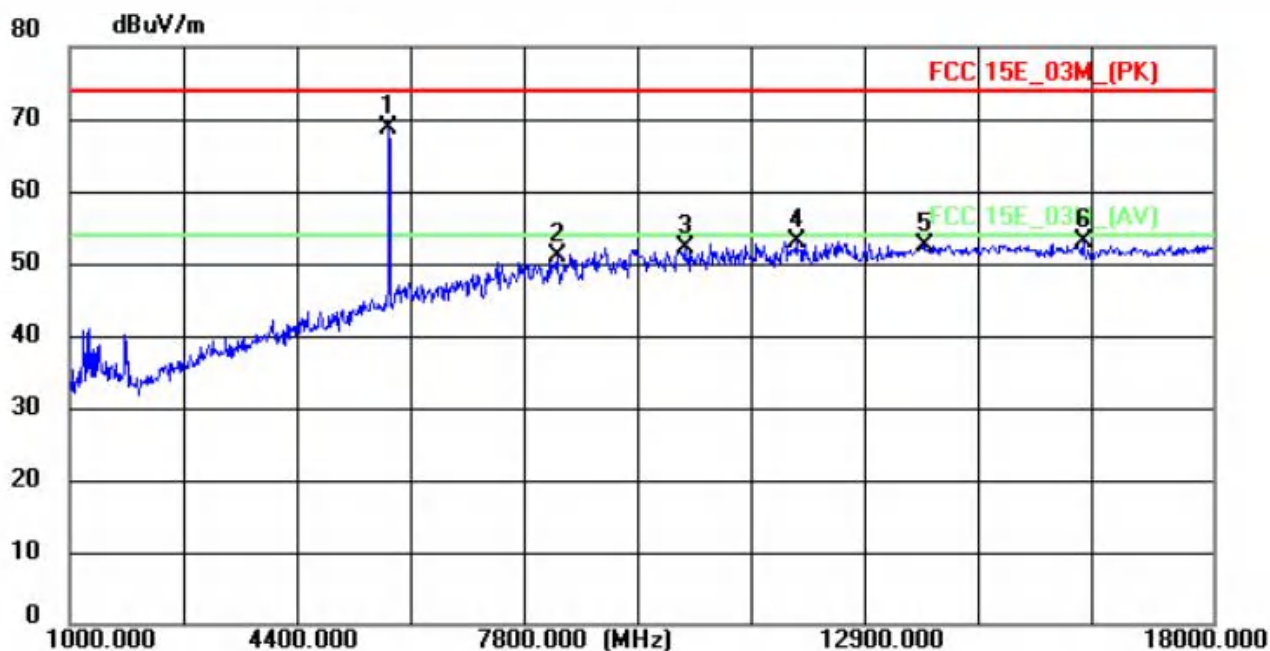


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5230.0000	70.07	-6.28	63.79	/	/	peak
2	7715.0000	49.89	-0.12	49.77	74.00	-24.23	peak
3	10061.0000	50.63	2.11	52.74	74.00	-21.26	peak
4	11676.0000	48.66	4.01	52.67	74.00	-21.33	peak
5	14124.0000	45.32	8.00	53.32	74.00	-20.68	peak
6	15756.0000	42.64	10.17	52.81	74.00	-21.19	peak

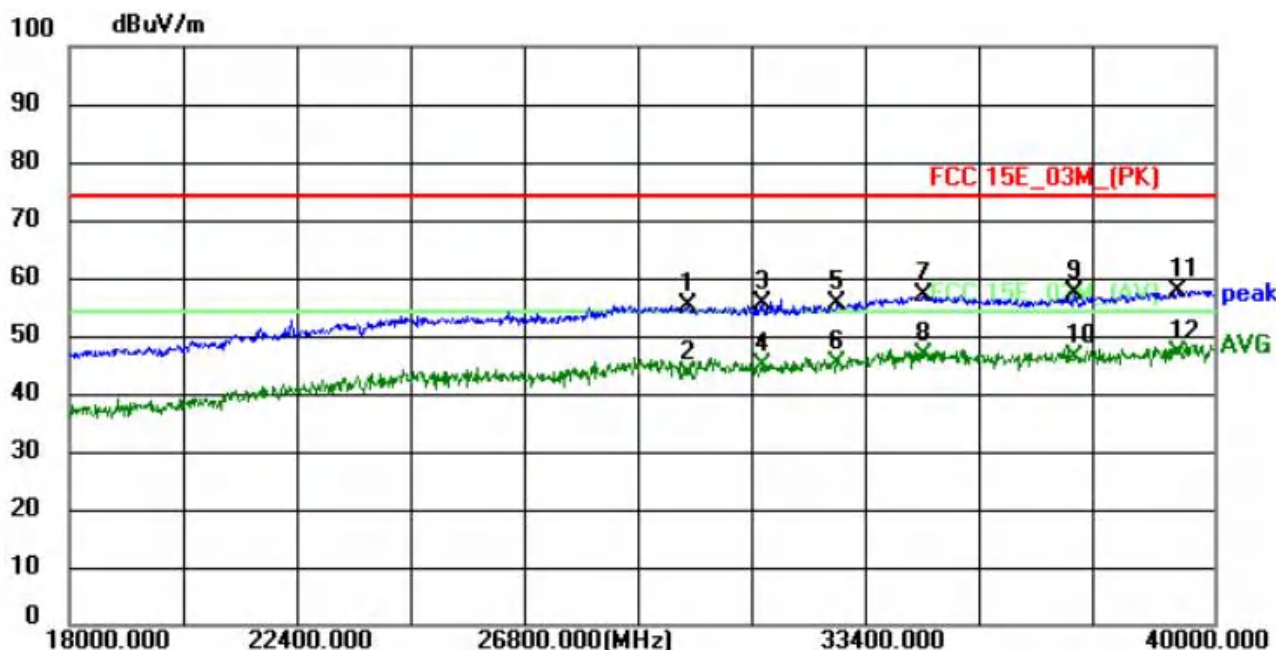


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29770.0000	48.13	9.14	57.27	74.00	-16.73	peak
2	29770.0000	35.83	9.14	44.97	54.00	-9.03	AVG
3	32806.0000	47.38	9.25	56.63	74.00	-17.37	peak
4	32806.0000	36.08	9.25	45.33	54.00	-8.67	AVG
5	33444.0000	47.43	9.31	56.74	74.00	-17.26	peak
6	33444.0000	35.42	9.31	44.73	54.00	-9.27	AVG
7	34720.0000	47.20	9.95	57.15	74.00	-16.85	peak
8	34720.0000	36.34	9.95	46.29	54.00	-7.71	AVG
9	37096.0000	47.20	9.75	56.95	74.00	-17.05	peak
10	37096.0000	37.03	9.75	46.78	54.00	-7.22	AVG
11	38460.0000	48.57	9.08	57.65	74.00	-16.35	peak
12 *	38460.0000	38.66	9.08	47.74	54.00	-6.26	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5745

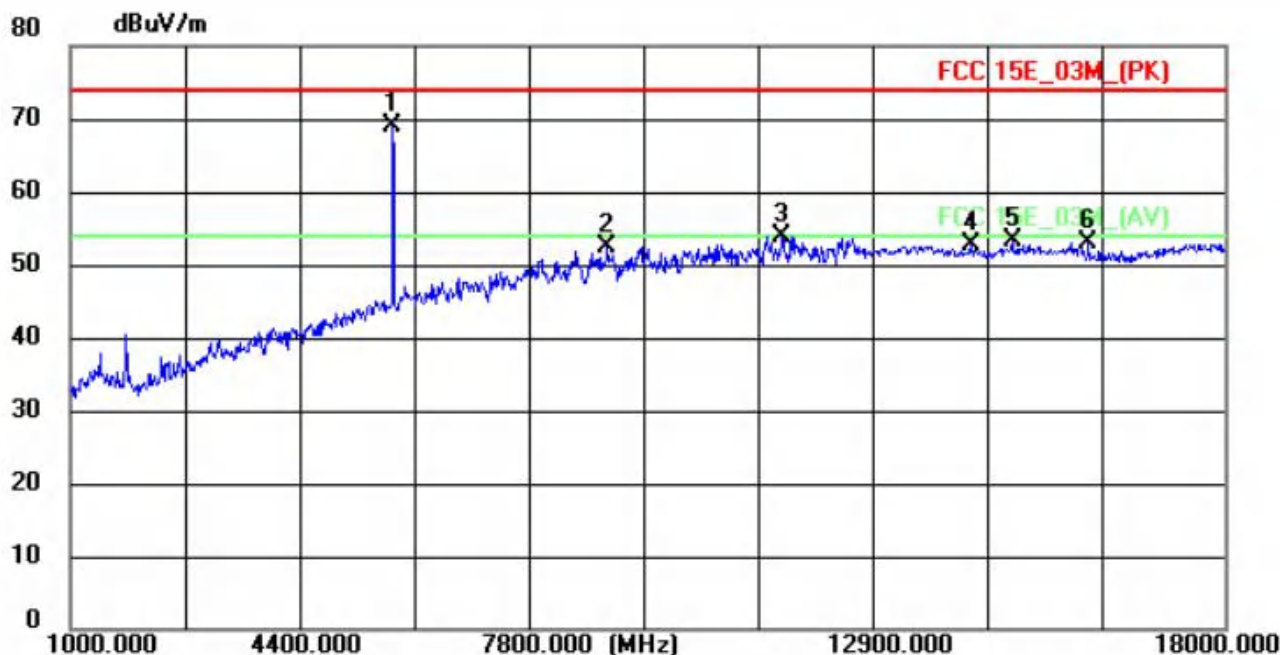


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5745.0000	73.22	-4.62	68.60	/	/	peak
2	8242.0000	50.25	0.74	50.99	74.00	-23.01	peak
3	10146.0000	49.93	2.21	52.14	74.00	-21.86	peak
4	11812.0000	48.84	4.17	53.01	74.00	-20.99	peak
5	13733.0000	45.20	7.34	52.54	74.00	-21.46	peak
6	16079.0000	42.58	10.46	53.04	74.00	-20.96	peak

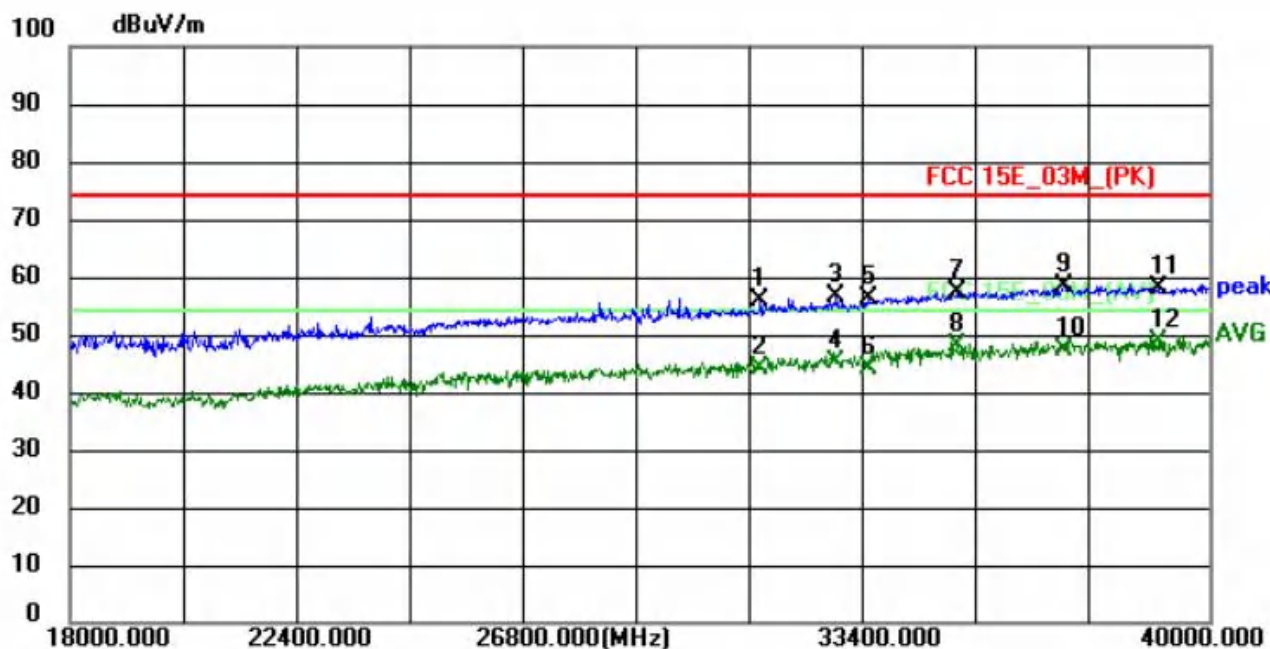


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29902.0000	46.06	9.10	55.16	74.00	-18.84	peak
2	29902.0000	34.19	9.10	43.29	54.00	-10.71	AVG
3	31332.0000	46.45	9.23	55.68	74.00	-18.32	peak
4	31332.0000	35.43	9.23	44.66	54.00	-9.34	AVG
5	32762.0000	46.30	9.26	55.56	74.00	-18.44	peak
6	32762.0000	36.07	9.26	45.33	54.00	-8.67	AVG
7	34412.0000	47.08	9.77	56.85	74.00	-17.15	peak
8	34412.0000	36.98	9.77	46.75	54.00	-7.25	AVG
9	37338.0000	47.70	9.80	57.50	74.00	-16.50	peak
10	37338.0000	36.58	9.80	46.38	54.00	-7.62	AVG
11	39318.0000	48.38	9.39	57.77	74.00	-16.23	peak
12 *	39318.0000	37.66	9.39	47.05	54.00	-6.95	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5745

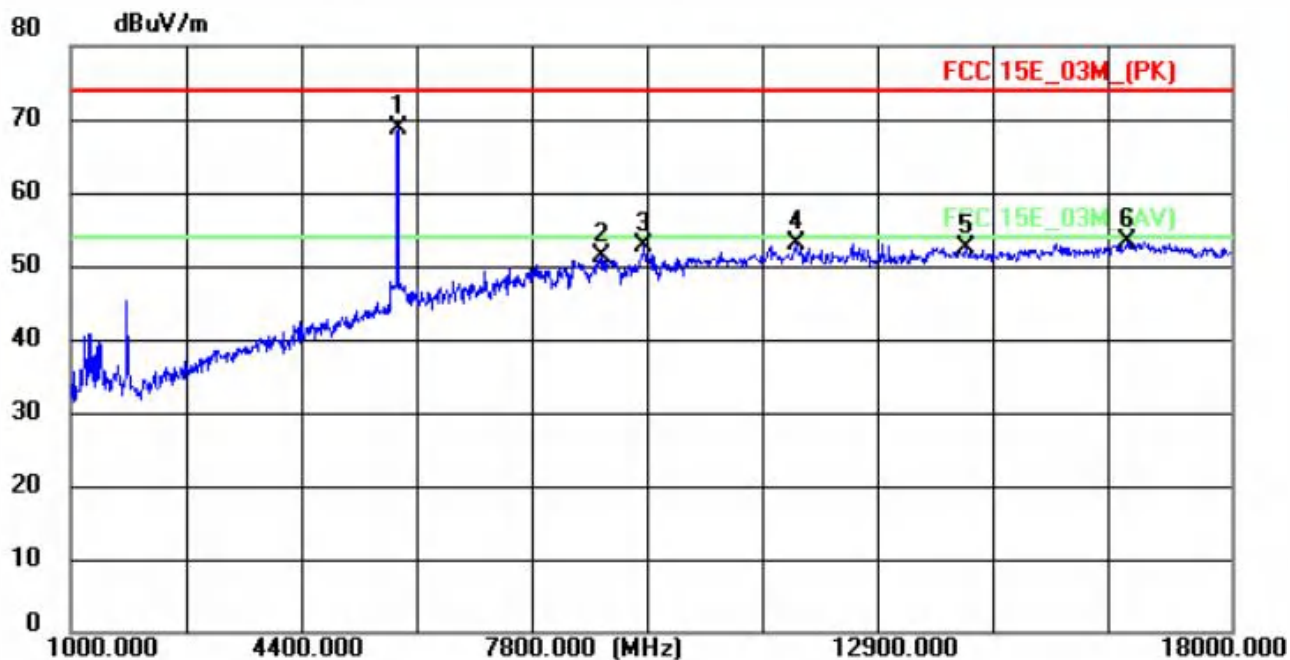


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5745.0000	73.76	-4.62	69.14	/	/	peak
2	8905.0000	50.93	1.53	52.46	74.00	-21.54	peak
3	11489.0000	50.16	3.79	53.95	74.00	-20.05	peak
4	14260.0000	44.51	8.23	52.74	74.00	-21.26	peak
5	14872.0000	43.93	9.27	53.20	74.00	-20.80	peak
6	15994.0000	42.56	10.39	52.95	74.00	-21.05	peak

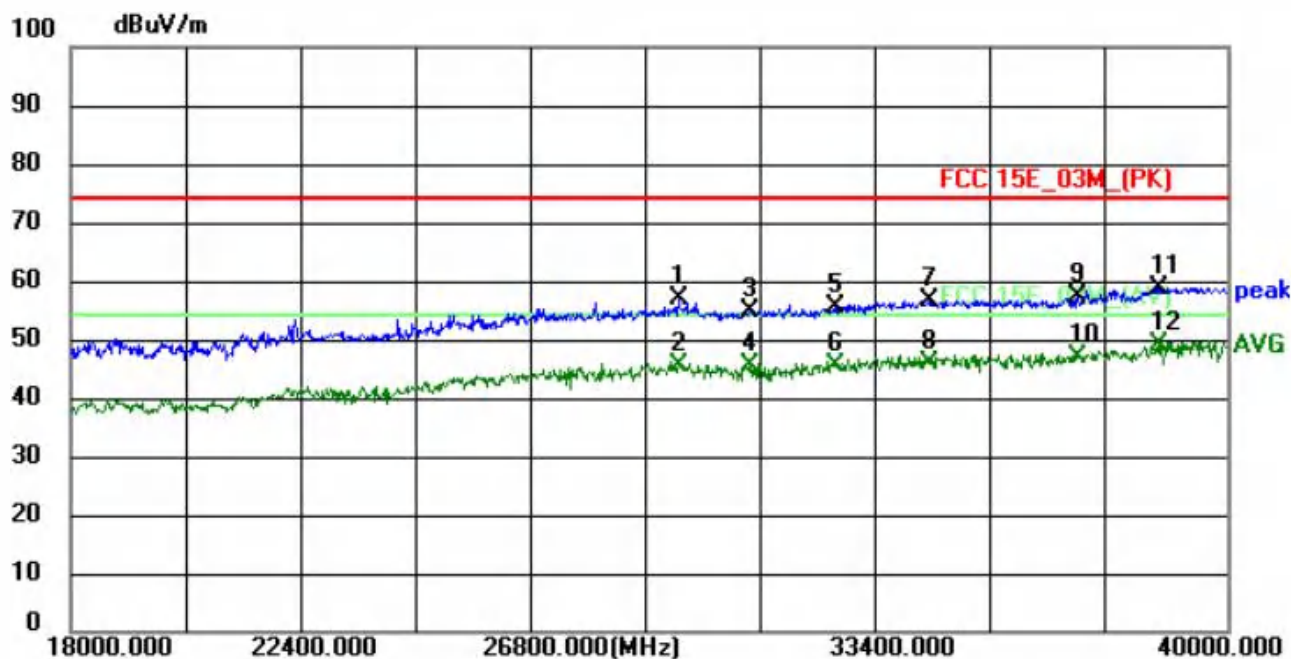


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	31332.0000	46.82	9.23	56.05	74.00	-17.95	peak
2	31332.0000	34.92	9.23	44.15	54.00	-9.85	AVG
3	32806.0000	47.38	9.25	56.63	74.00	-17.37	peak
4	32806.0000	36.08	9.25	45.33	54.00	-8.67	AVG
5	33444.0000	46.93	9.31	56.24	74.00	-17.76	peak
6	33444.0000	34.92	9.31	44.23	54.00	-9.77	AVG
7	35138.0000	47.13	10.15	57.28	74.00	-16.72	peak
8	35138.0000	37.91	10.15	48.06	54.00	-5.94	AVG
9	37184.0000	48.61	9.76	58.37	74.00	-15.63	peak
10	37184.0000	37.52	9.76	47.28	54.00	-6.72	AVG
11	39032.0000	48.97	9.13	58.10	74.00	-15.90	peak
12 *	39032.0000	39.67	9.13	48.80	54.00	-5.20	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5785



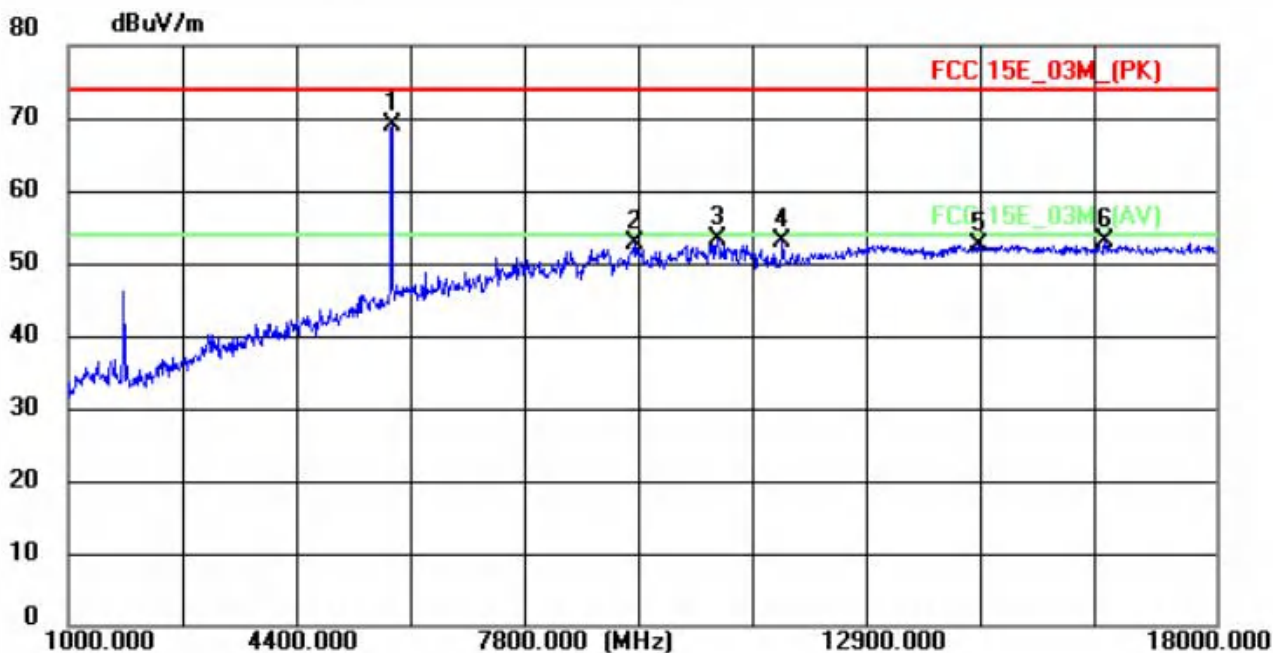
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5785.0000	73.12	-4.40	68.72	/	/	peak
2	8769.0000	50.03	1.36	51.39	74.00	-22.61	peak
3	9398.0000	50.82	1.80	52.62	74.00	-21.38	peak
4	11625.0000	49.15	3.95	53.10	74.00	-20.90	peak
5	14124.0000	44.54	8.00	52.54	74.00	-21.46	peak
6	16487.0000	42.33	10.84	53.17	74.00	-20.83	peak



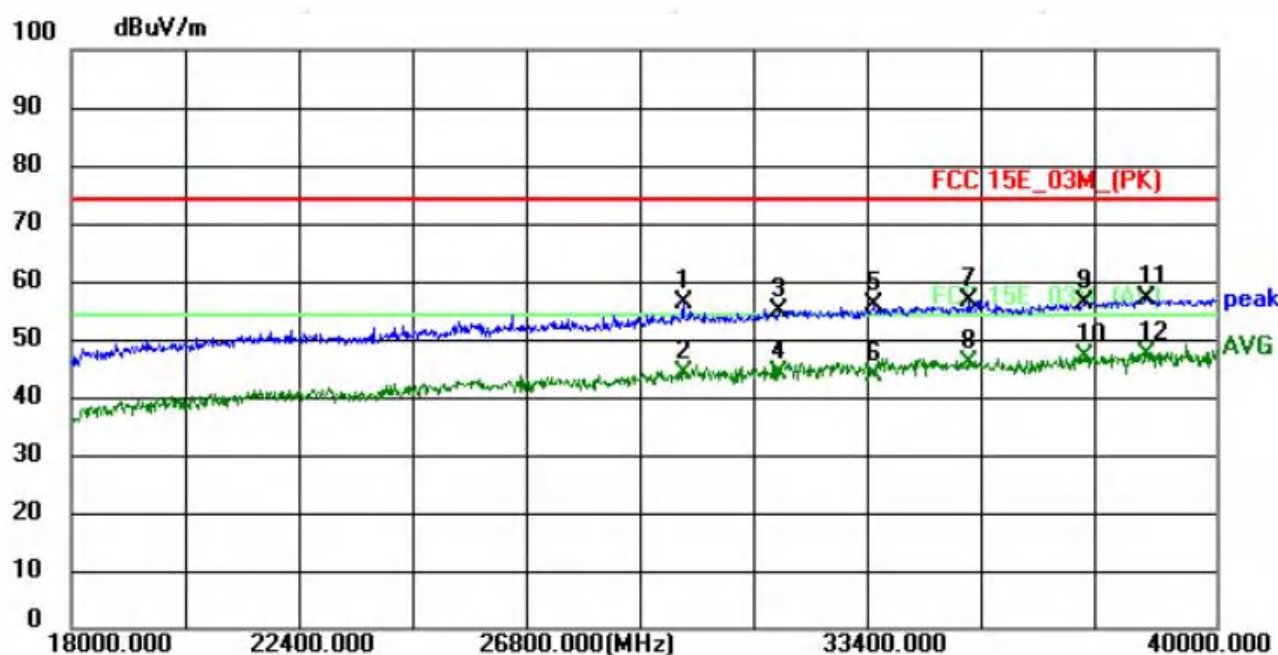
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29572.0000	47.63	9.19	56.82	74.00	-17.18	peak
2	29572.0000	36.41	9.19	45.60	54.00	-8.40	AVG
3	30914.0000	45.78	9.03	54.81	74.00	-19.19	peak
4	30914.0000	36.48	9.03	45.51	54.00	-8.49	AVG
5	32564.0000	46.27	9.32	55.59	74.00	-18.41	peak
6	32564.0000	36.23	9.32	45.55	54.00	-8.45	AVG
7	34324.0000	46.93	9.73	56.66	74.00	-17.34	peak
8	34324.0000	36.32	9.73	46.05	54.00	-7.95	AVG
9	37162.0000	47.67	9.76	57.43	74.00	-16.57	peak
10	37162.0000	37.16	9.76	46.92	54.00	-7.08	AVG
11	38724.0000	49.77	9.06	58.83	74.00	-15.17	peak
12 *	38724.0000	40.02	9.06	49.08	54.00	-4.92	AVG



Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5785



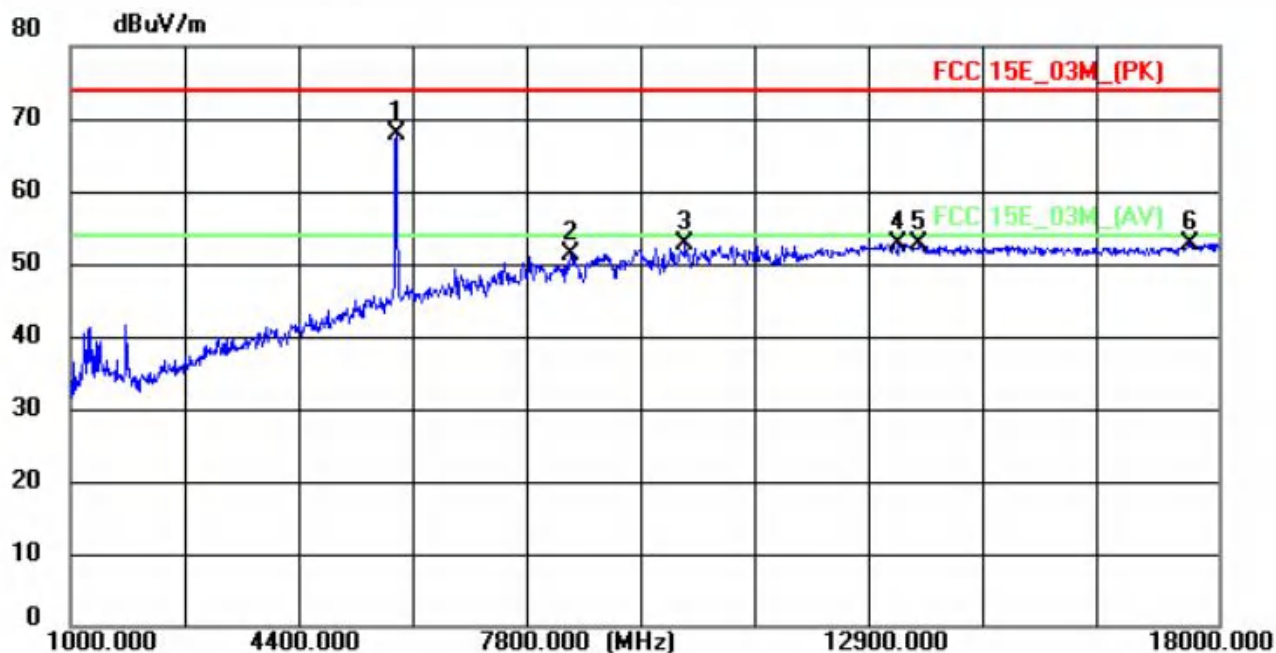
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5785.0000	73.30	-4.40	68.90	/	/	peak
2	9398.0000	50.80	1.80	52.60	74.00	-21.40	peak
3	10605.0000	50.58	2.75	53.33	74.00	-20.67	peak
4	11574.0000	49.06	3.88	52.94	74.00	-21.06	peak
5	14481.0000	43.96	8.61	52.57	74.00	-21.43	peak
6	16351.0000	42.22	10.71	52.93	74.00	-21.07	peak



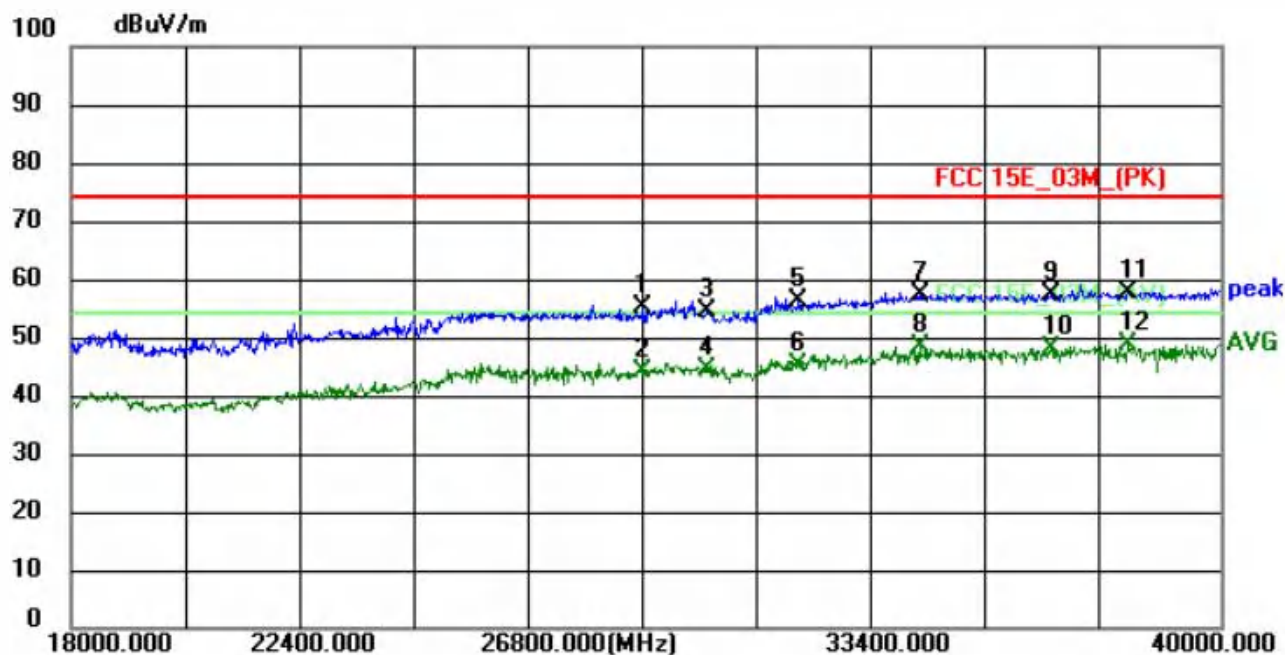
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29770.0000	47.13	9.14	56.27	74.00	-17.73	peak
2	29770.0000	34.83	9.14	43.97	54.00	-10.03	AVG
3	31618.0000	45.49	9.35	54.84	74.00	-19.16	peak
4	31618.0000	34.78	9.35	44.13	54.00	-9.87	AVG
5	33444.0000	46.43	9.31	55.74	74.00	-18.26	peak
6	33444.0000	34.42	9.31	43.73	54.00	-10.27	AVG
7	35248.0000	46.42	10.18	56.60	74.00	-17.40	peak
8	35248.0000	35.68	10.18	45.86	54.00	-8.14	AVG
9	37492.0000	46.42	9.83	56.25	74.00	-17.75	peak
10	37492.0000	37.22	9.83	47.05	54.00	-6.95	AVG
11	38680.0000	48.06	9.04	57.10	74.00	-16.90	peak
12 *	38680.0000	38.29	9.04	47.33	54.00	-6.67	AVG



Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5825

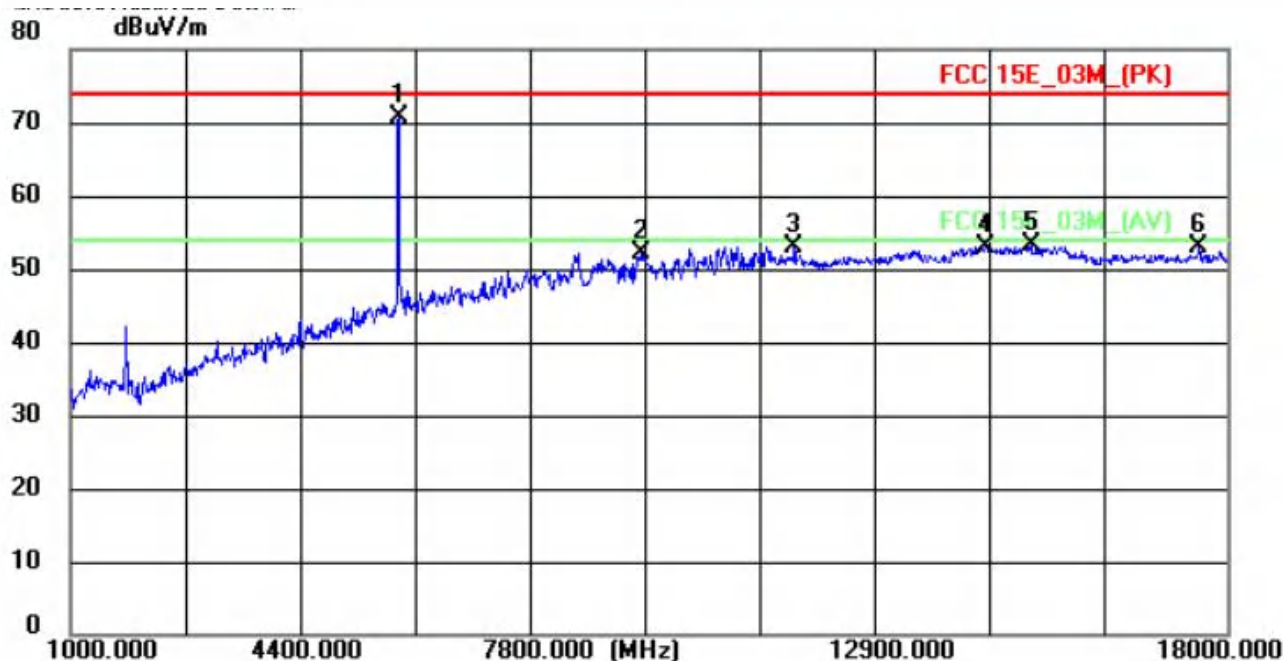


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5825.0000	72.25	-4.26	67.99	/	/	peak
2	8412.0000	50.43	0.94	51.37	74.00	-22.63	peak
3	10112.0000	50.47	2.17	52.64	74.00	-21.36	peak
4	13274.0000	46.27	6.56	52.83	74.00	-21.17	peak
5	13580.0000	45.54	7.08	52.62	74.00	-21.38	peak
6	17592.0000	40.83	11.84	52.67	74.00	-21.33	peak

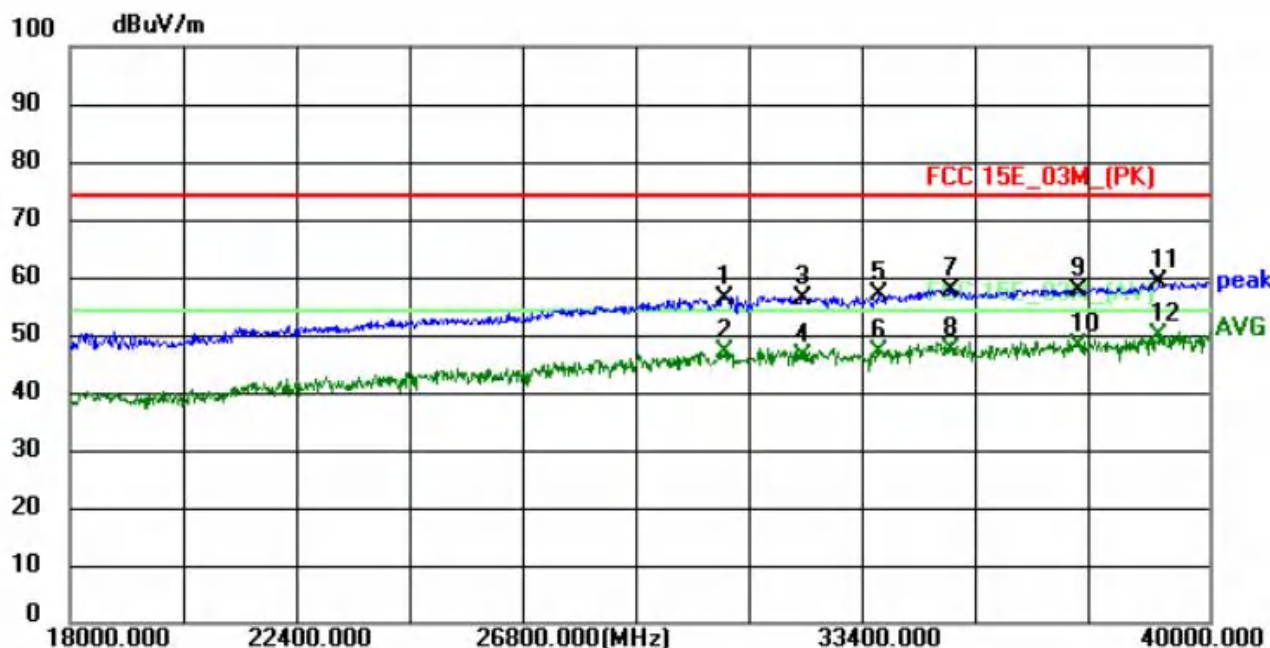


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	28956.0000	46.04	9.06	55.10	74.00	-18.90	peak
2	28956.0000	35.10	9.06	44.16	54.00	-9.84	AVG
3	30188.0000	45.46	9.03	54.49	74.00	-19.51	peak
4	30188.0000	35.28	9.03	44.31	54.00	-9.69	AVG
5	31926.0000	46.81	9.40	56.21	74.00	-17.79	peak
6	31926.0000	35.63	9.40	45.03	54.00	-8.97	AVG
7	34258.0000	47.61	9.69	57.30	74.00	-16.70	peak
8	34258.0000	38.80	9.69	48.49	54.00	-5.51	AVG
9	36766.0000	47.69	9.74	57.43	74.00	-16.57	peak
10	36766.0000	38.13	9.74	47.87	54.00	-6.13	AVG
11	38240.0000	48.33	9.49	57.82	74.00	-16.18	peak
12 *	38240.0000	39.14	9.49	48.63	54.00	-5.37	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5825

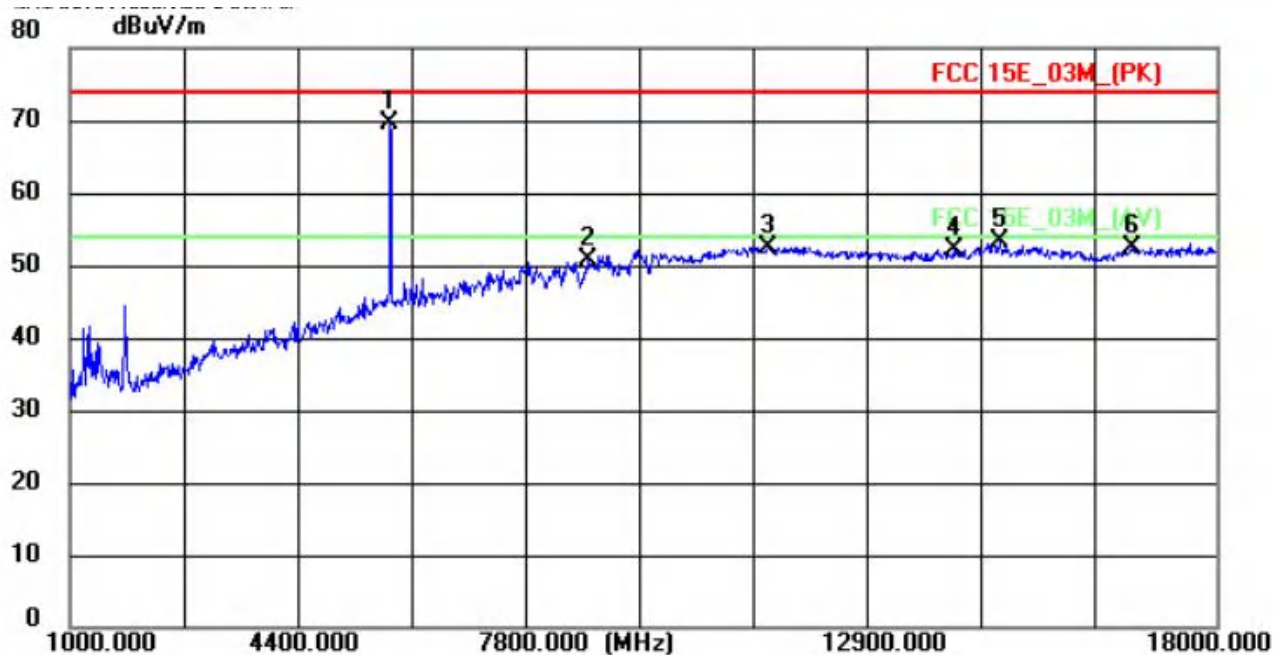


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5825.0000	75.08	-4.26	70.82	/	/	peak
2	9381.0000	50.37	1.79	52.16	74.00	-21.84	peak
3	11642.0000	49.09	3.97	53.06	74.00	-20.94	peak
4	14447.0000	44.40	8.55	52.95	74.00	-21.05	peak
5	15127.0000	43.58	9.61	53.19	74.00	-20.81	peak
6	17592.0000	41.10	11.84	52.94	74.00	-21.06	peak

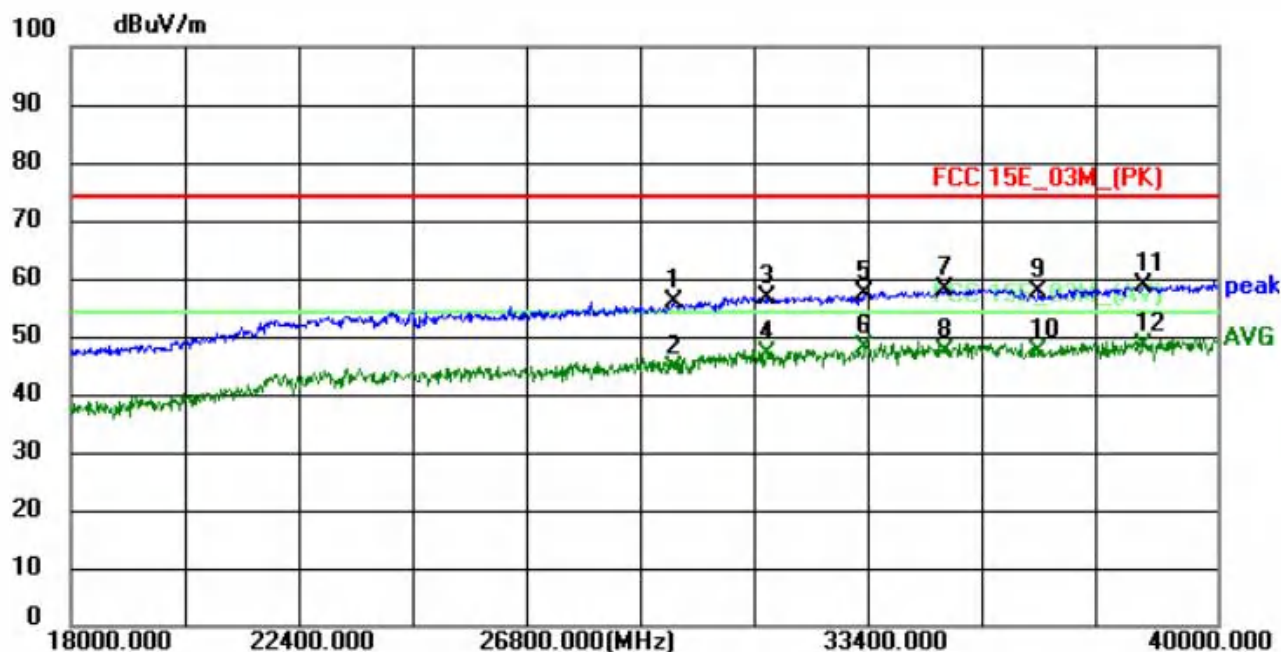


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30650.0000	47.43	8.98	56.41	74.00	-17.59	peak
2	30650.0000	37.88	8.98	46.86	54.00	-7.14	AVG
3	32168.0000	46.98	9.39	56.37	74.00	-17.63	peak
4	32168.0000	36.70	9.39	46.09	54.00	-7.91	AVG
5	33620.0000	47.62	9.38	57.00	74.00	-17.00	peak
6	33620.0000	37.74	9.38	47.12	54.00	-6.88	AVG
7	35006.0000	47.69	10.10	57.79	74.00	-16.21	peak
8	35006.0000	37.31	10.10	47.41	54.00	-6.59	AVG
9	37470.0000	48.02	9.83	57.85	74.00	-16.15	peak
10	37470.0000	38.38	9.83	48.21	54.00	-5.79	AVG
11	39032.0000	49.97	9.13	59.10	74.00	-14.90	peak
12 *	39032.0000	40.67	9.13	49.80	54.00	-4.20	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5745



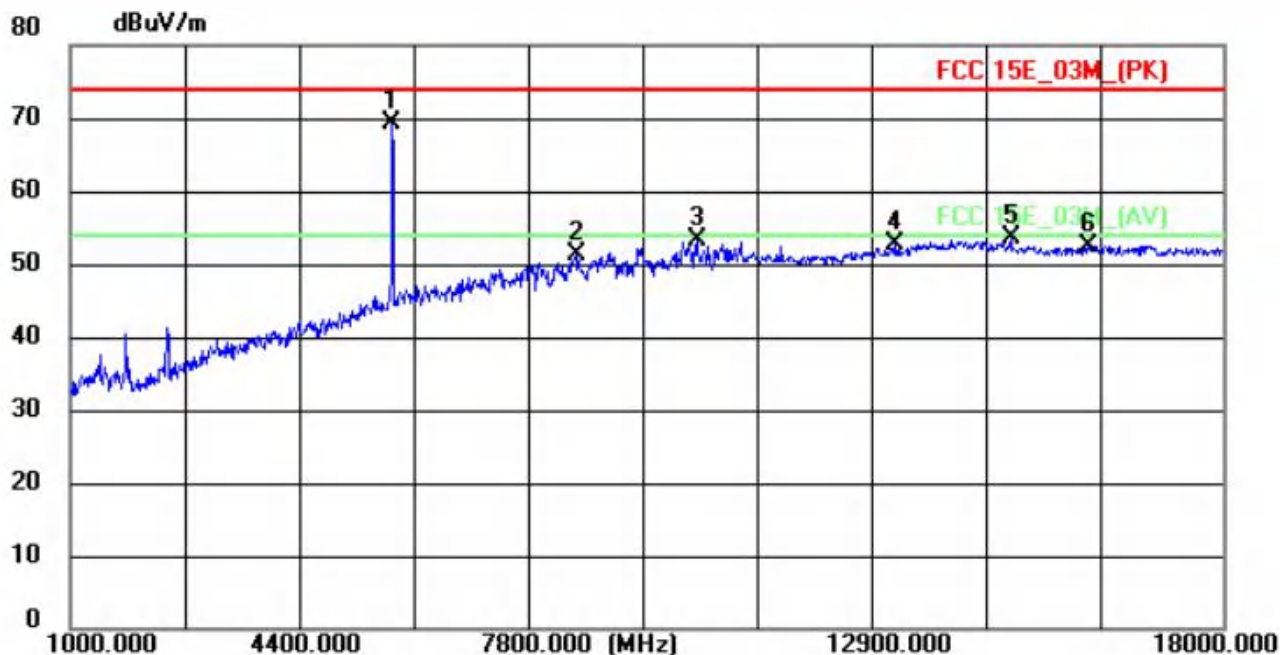
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5745.0000	74.26	-4.62	69.64	/	/	peak
2	8701.0000	49.55	1.29	50.84	74.00	-23.16	peak
3	11353.0000	48.92	3.62	52.54	74.00	-21.46	peak
4	14124.0000	44.04	8.00	52.04	74.00	-21.96	peak
5	14787.0000	44.07	9.13	53.20	74.00	-20.80	peak
6	16742.0000	41.29	11.07	52.36	74.00	-21.64	peak



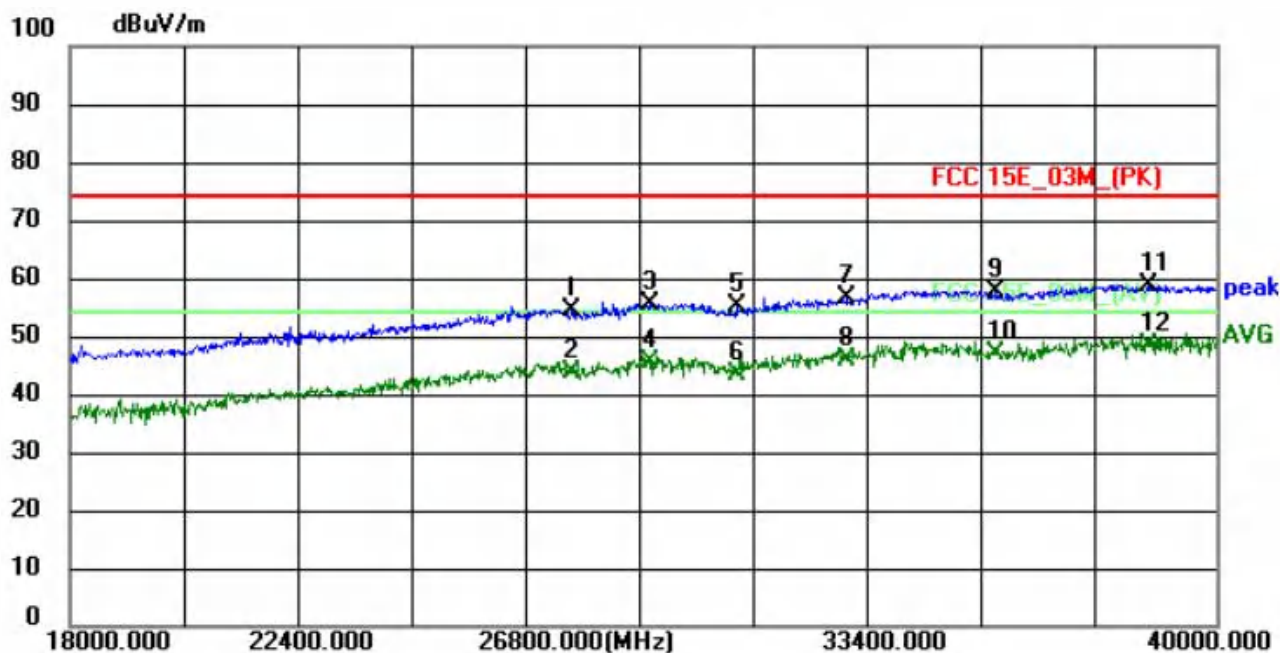
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29572.0000	46.63	9.19	55.82	74.00	-18.18	peak
2	29572.0000	35.41	9.19	44.60	54.00	-9.40	AVG
3	31354.0000	47.50	9.25	56.75	74.00	-17.25	peak
4	31354.0000	37.66	9.25	46.91	54.00	-7.09	AVG
5	33246.0000	48.24	9.25	57.49	74.00	-16.51	peak
6	33246.0000	38.63	9.25	47.88	54.00	-6.12	AVG
7	34786.0000	48.02	9.98	58.00	74.00	-16.00	peak
8	34786.0000	37.46	9.98	47.44	54.00	-6.56	AVG
9	36568.0000	47.83	9.74	57.57	74.00	-16.43	peak
10	36568.0000	37.53	9.74	47.27	54.00	-6.73	AVG
11	38592.0000	49.56	9.03	58.59	74.00	-15.41	peak
12 *	38592.0000	39.19	9.03	48.22	54.00	-5.78	AVG



Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5745

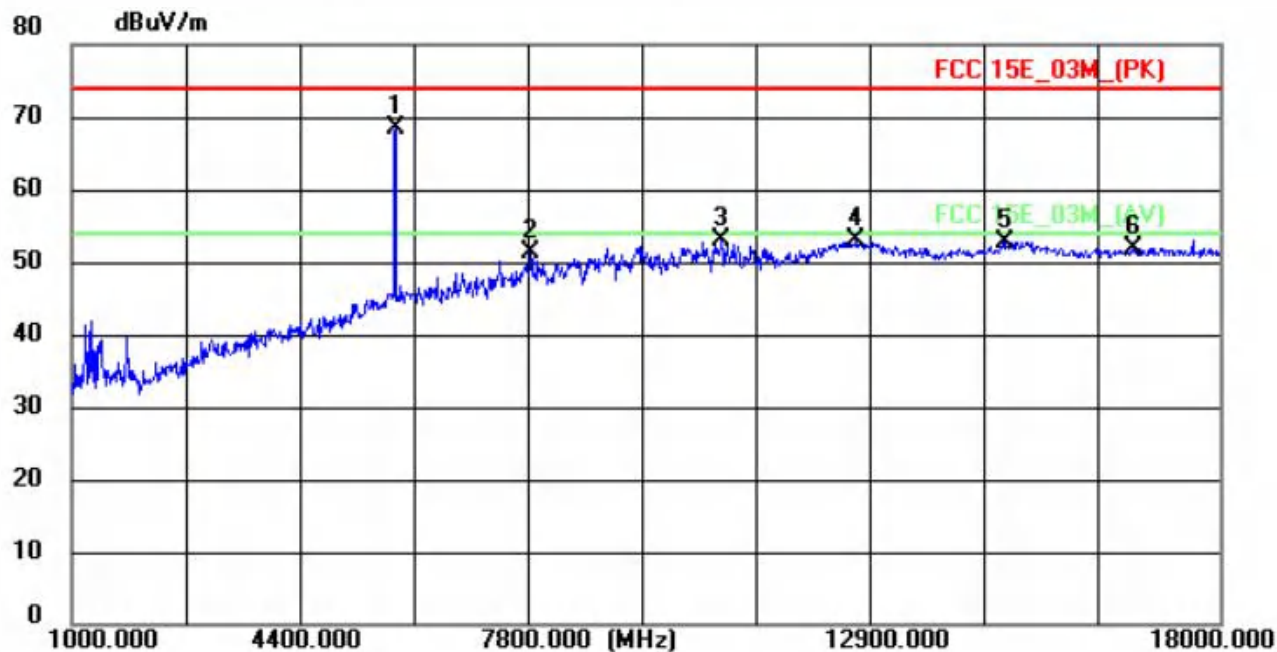


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5745.0000	73.80	-4.62	69.18	/	/	peak
2	8463.0000	50.24	1.00	51.24	74.00	-22.76	peak
3	10248.0000	50.93	2.33	53.26	74.00	-20.74	peak
4	13172.0000	46.35	6.38	52.73	74.00	-21.27	peak
5	14872.0000	44.17	9.27	53.44	74.00	-20.56	peak
6	16011.0000	42.08	10.41	52.49	74.00	-21.51	peak

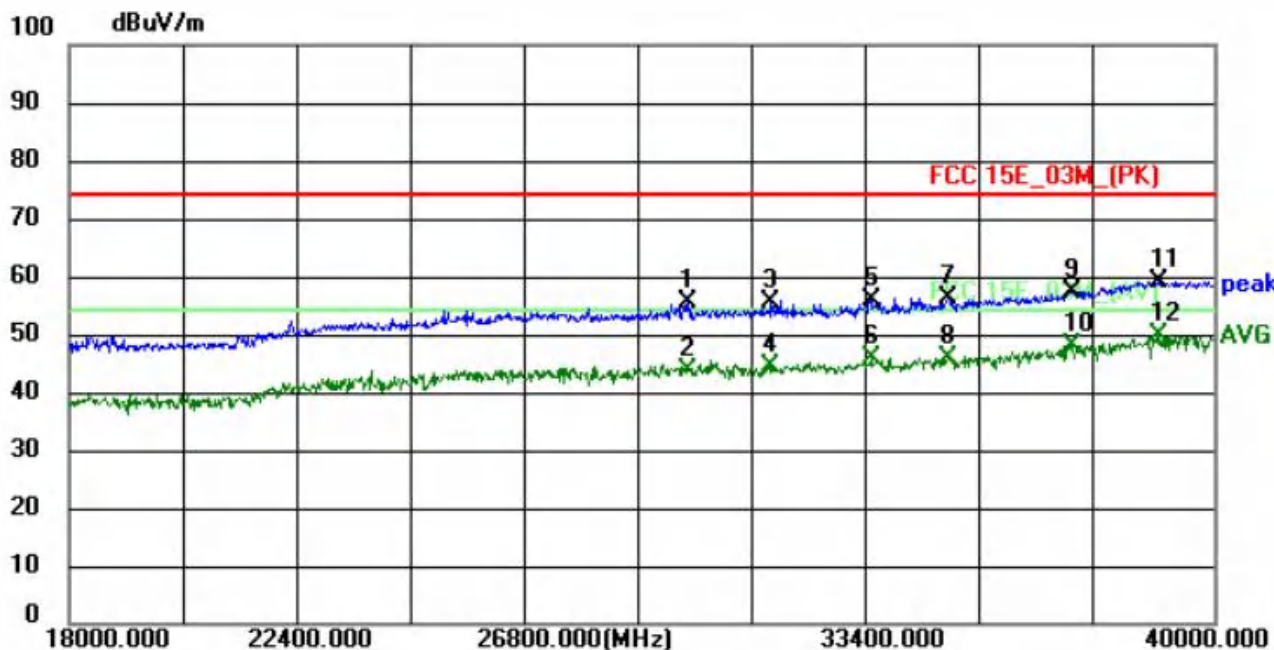


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27636.0000	47.26	7.27	54.53	74.00	-19.47	peak
2	27636.0000	36.32	7.27	43.59	54.00	-10.41	AVG
3	29132.0000	46.46	9.15	55.61	74.00	-18.39	peak
4	29132.0000	36.33	9.15	45.48	54.00	-8.52	AVG
5	30826.0000	46.28	9.02	55.30	74.00	-18.70	peak
6	30826.0000	34.50	9.02	43.52	54.00	-10.48	AVG
7	32916.0000	47.54	9.21	56.75	74.00	-17.25	peak
8	32916.0000	36.83	9.21	46.04	54.00	-7.96	AVG
9	35776.0000	47.43	10.10	57.53	74.00	-16.47	peak
10	35776.0000	36.83	10.10	46.93	54.00	-7.07	AVG
11	38702.0000	49.54	9.05	58.59	74.00	-15.41	peak
12 *	38702.0000	39.31	9.05	48.36	54.00	-5.64	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5785



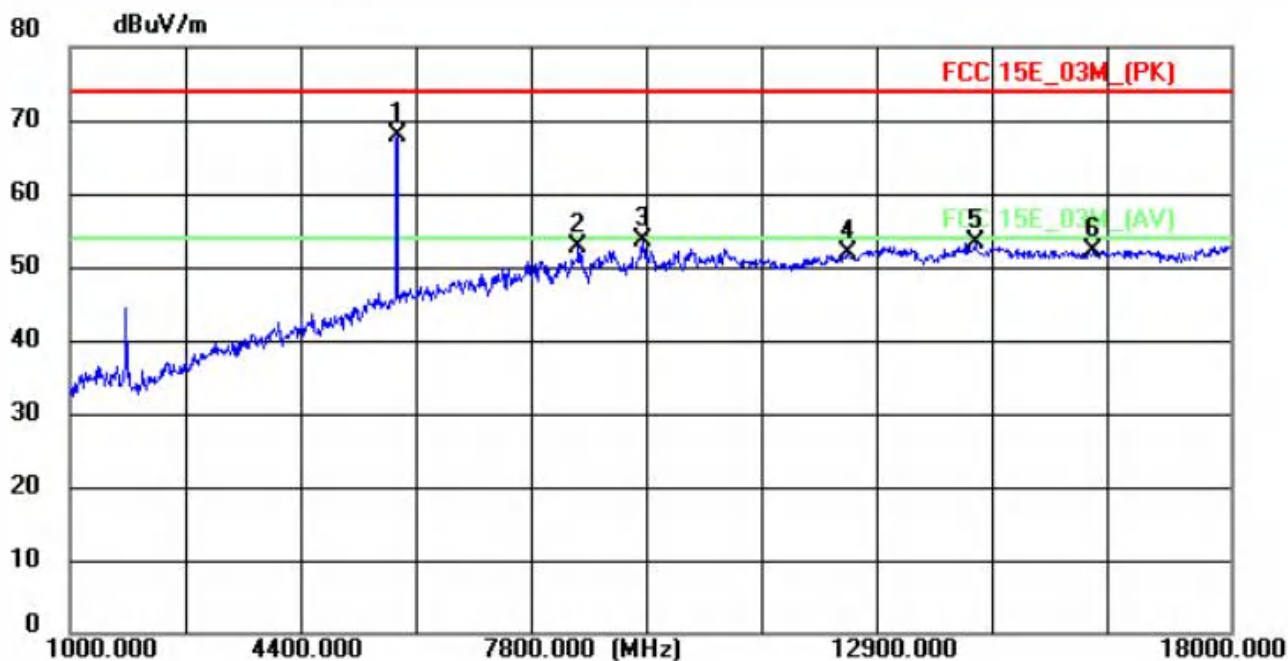
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5785.0000	72.87	-4.40	68.47	/	/	peak
2	7800.0000	51.32	0.05	51.37	74.00	-22.63	peak
3	10622.0000	50.32	2.77	53.09	74.00	-20.91	peak
4	12628.0000	47.41	5.46	52.87	74.00	-21.13	peak
5	14838.0000	43.55	9.21	52.76	74.00	-21.24	peak
6	16725.0000	40.70	11.06	51.76	74.00	-22.24	peak



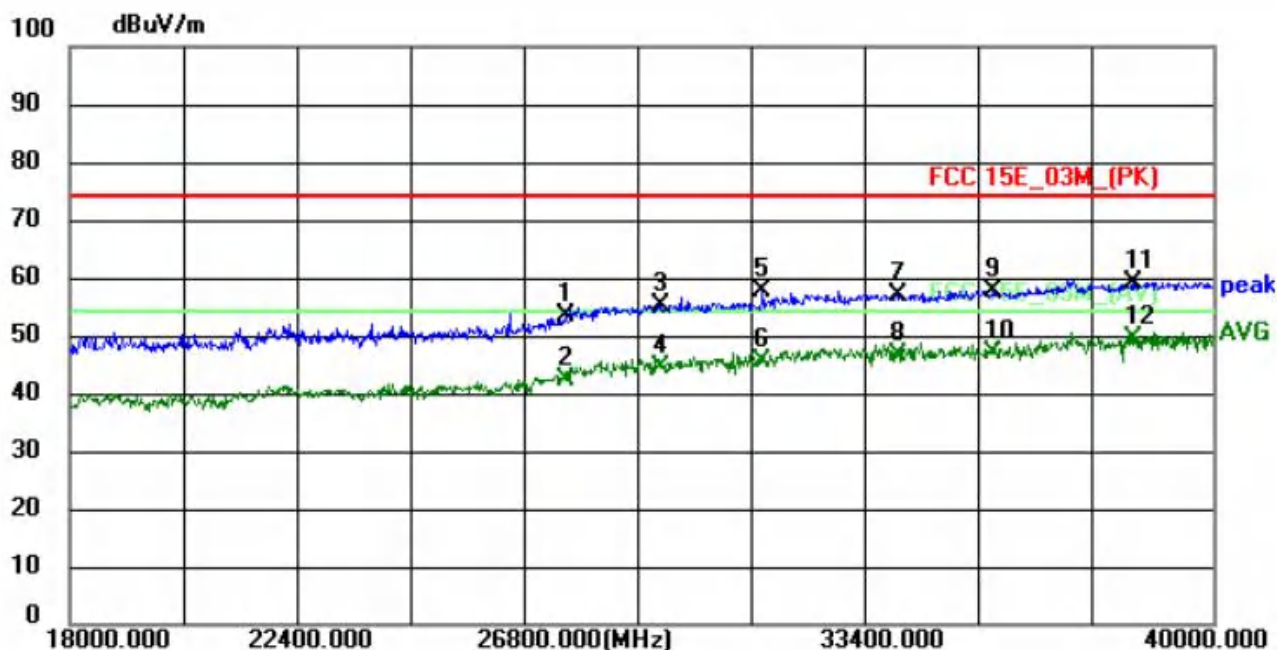
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29902.0000	46.56	9.10	55.66	74.00	-18.34	peak
2	29902.0000	34.69	9.10	43.79	54.00	-10.21	AVG
3	31486.0000	46.22	9.32	55.54	74.00	-18.46	peak
4	31486.0000	35.20	9.32	44.52	54.00	-9.48	AVG
5	33422.0000	46.63	9.29	55.92	74.00	-18.08	peak
6	33422.0000	36.55	9.29	45.84	54.00	-8.16	AVG
7	34896.0000	46.12	10.04	56.16	74.00	-17.84	peak
8	34896.0000	35.76	10.04	45.80	54.00	-8.20	AVG
9	37294.0000	47.50	9.79	57.29	74.00	-16.71	peak
10	37294.0000	38.09	9.79	47.88	54.00	-6.12	AVG
11	38966.0000	49.93	9.09	59.02	74.00	-14.98	peak
12 *	38966.0000	40.76	9.09	49.85	54.00	-4.15	AVG



Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5785



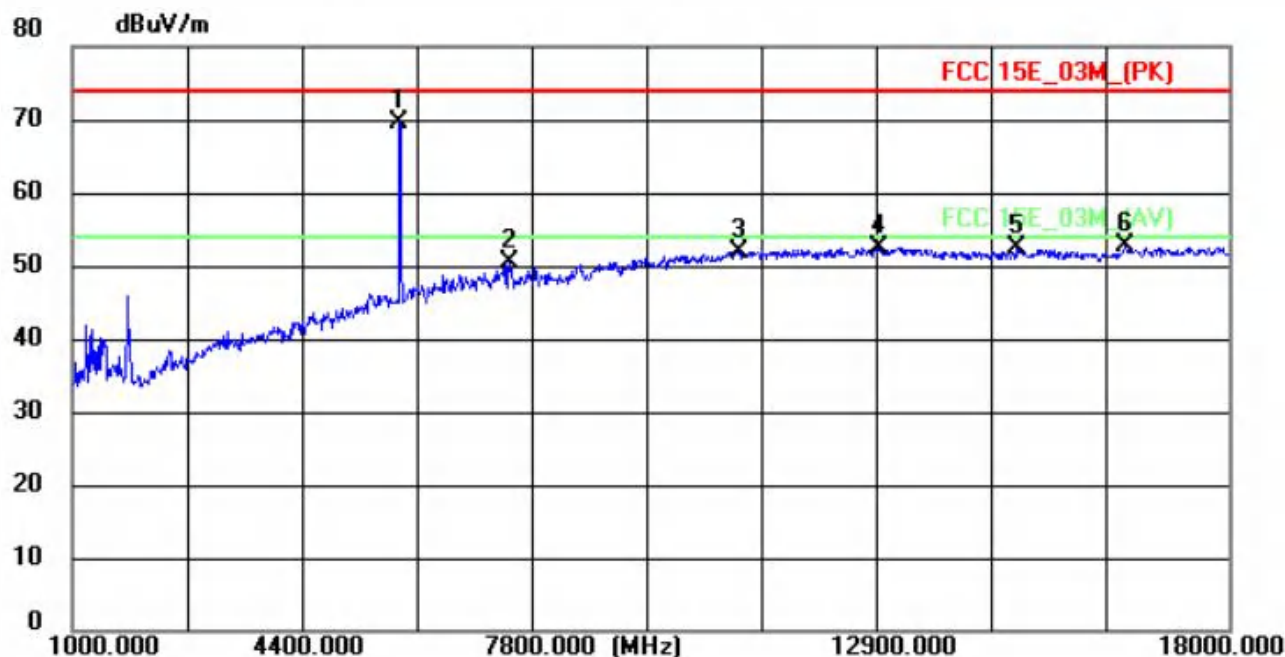
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5785.0000	72.36	-4.40	67.96	/	/	peak
2	8446.0000	51.67	0.97	52.64	74.00	-21.36	peak
3	9398.0000	51.67	1.80	53.47	74.00	-20.53	peak
4	12407.0000	46.67	5.08	51.75	74.00	-22.25	peak
5	14260.0000	45.15	8.23	53.38	74.00	-20.62	peak
6	15994.0000	41.87	10.39	52.26	74.00	-21.74	peak



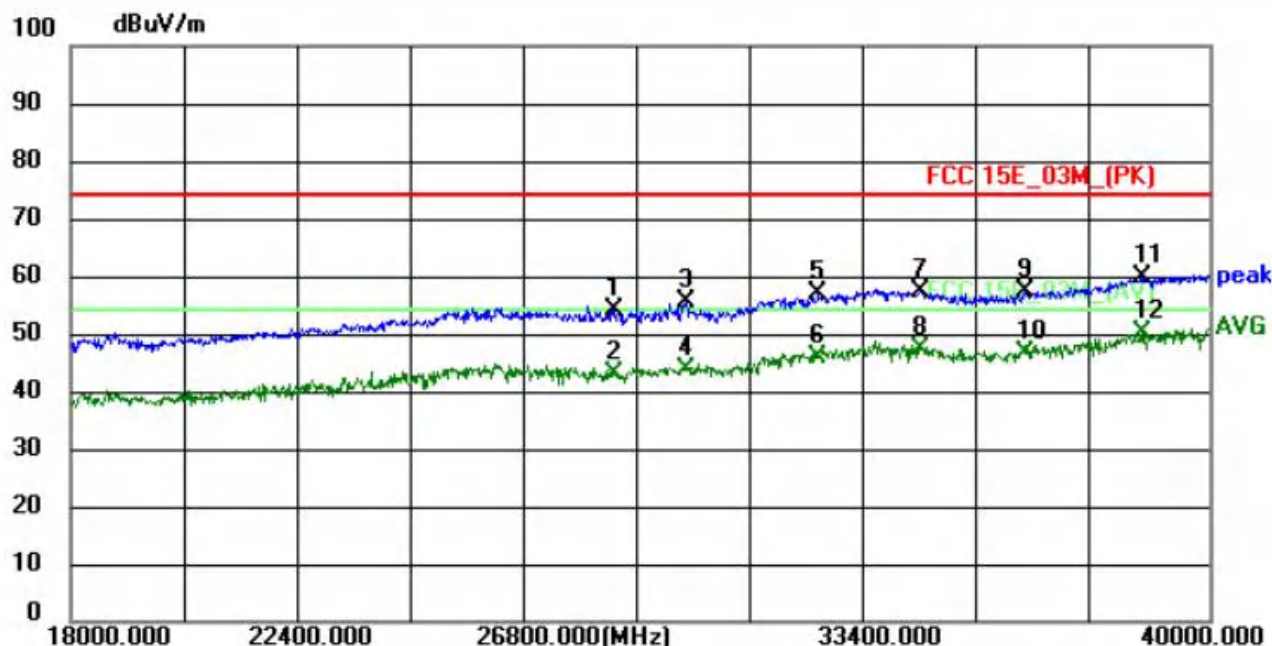
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	27548.0000	46.31	7.19	53.50	74.00	-20.50	peak
2	27548.0000	35.29	7.19	42.48	54.00	-11.52	AVG
3	29396.0000	46.06	9.19	55.25	74.00	-18.75	peak
4	29396.0000	35.45	9.19	44.64	54.00	-9.36	AVG
5	31332.0000	48.32	9.23	57.55	74.00	-16.45	peak
6	31332.0000	36.42	9.23	45.65	54.00	-8.35	AVG
7	33928.0000	47.53	9.52	57.05	74.00	-16.95	peak
8	33928.0000	37.14	9.52	46.66	54.00	-7.34	AVG
9	35776.0000	47.43	10.10	57.53	74.00	-16.47	peak
10	35776.0000	36.83	10.10	46.93	54.00	-7.07	AVG
11	38482.0000	49.99	9.05	59.04	74.00	-14.96	peak
12 *	38482.0000	40.59	9.05	49.64	54.00	-4.36	AVG



Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5825

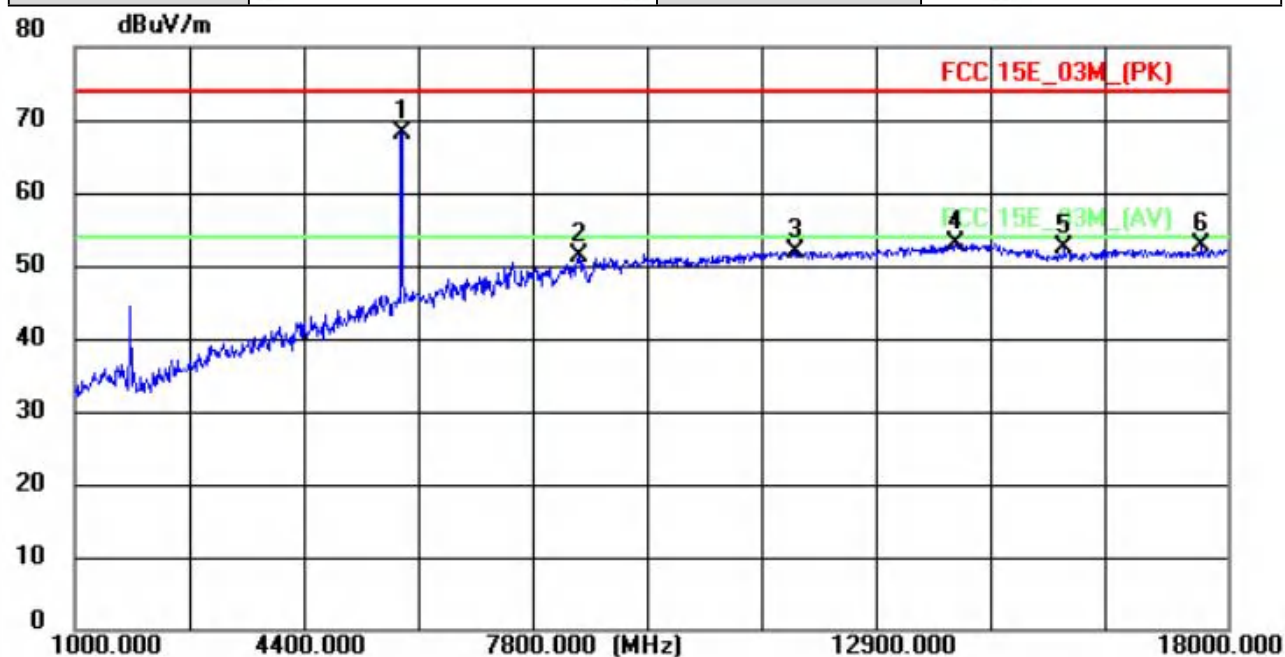


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5825.0000	73.96	-4.33	69.63	/	/	peak
2	7426.0000	51.25	-0.71	50.54	74.00	-23.46	peak
3	10809.0000	48.94	2.99	51.93	74.00	-22.07	peak
4	12866.0000	46.66	5.86	52.52	74.00	-21.48	peak
5	14872.0000	43.20	9.27	52.47	74.00	-21.53	peak
6	16470.0000	41.99	10.82	52.81	74.00	-21.19	peak

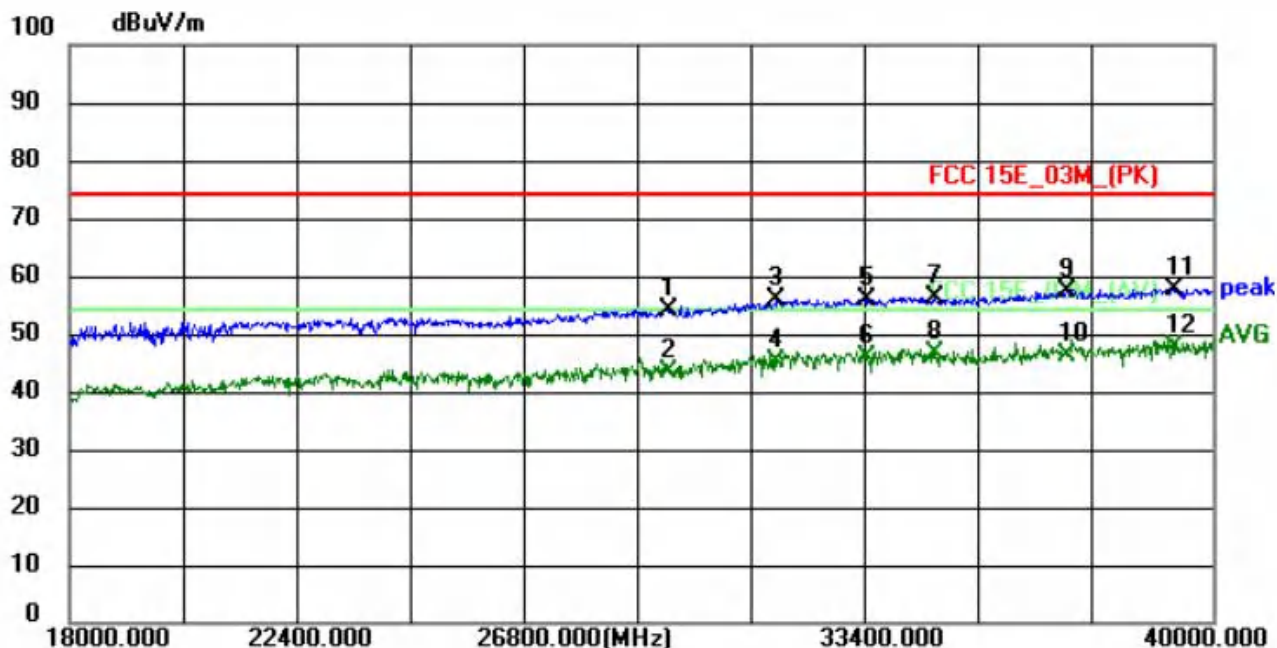


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	28516.0000	45.89	8.39	54.28	74.00	-19.72	peak
2	28516.0000	34.80	8.39	43.19	54.00	-10.81	AVG
3	29902.0000	46.56	9.10	55.66	74.00	-18.34	peak
4	29902.0000	34.69	9.10	43.79	54.00	-10.21	AVG
5	32454.0000	47.70	9.35	57.05	74.00	-16.95	peak
6	32454.0000	36.63	9.35	45.98	54.00	-8.02	AVG
7	34434.0000	47.70	9.78	57.48	74.00	-16.52	peak
8	34434.0000	37.48	9.78	47.26	54.00	-6.74	AVG
9	36436.0000	47.52	9.76	57.28	74.00	-16.72	peak
10	36436.0000	36.93	9.76	46.69	54.00	-7.31	AVG
11	38724.0000	50.77	9.06	59.83	74.00	-14.17	peak
12 *	38724.0000	41.02	9.06	50.08	54.00	-3.92	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5825

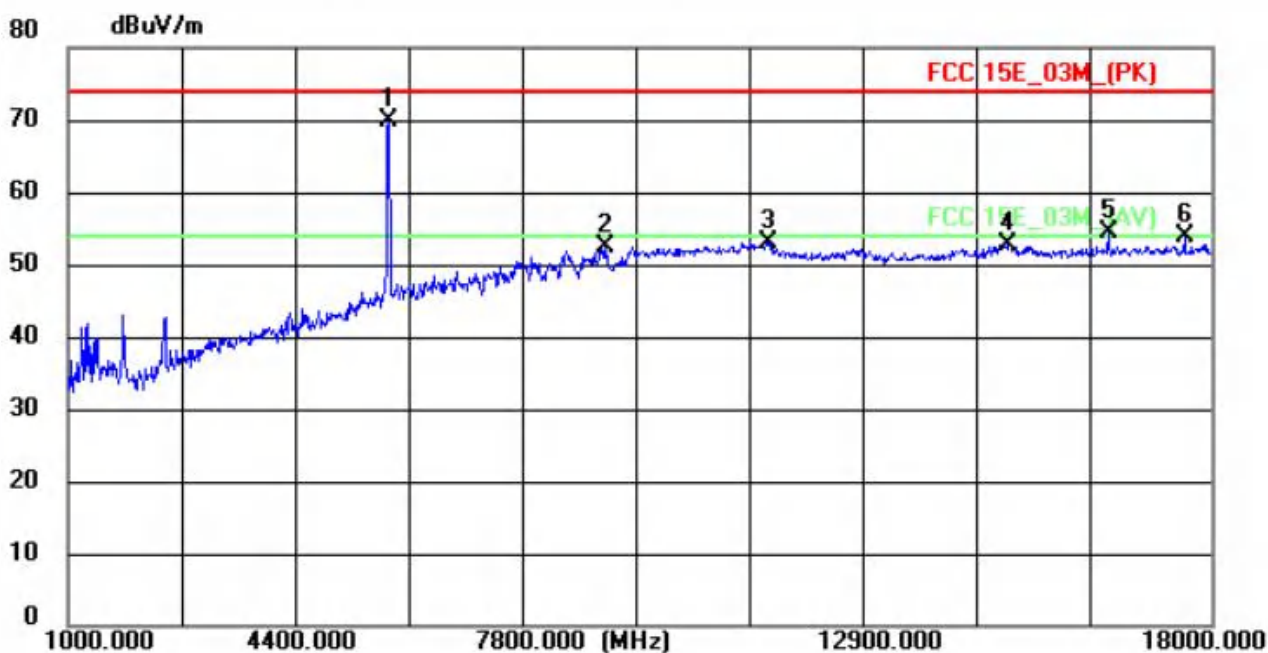


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5825.0000	72.45	-4.26	68.19	/	/	peak
2	8429.0000	50.25	0.96	51.21	74.00	-22.79	peak
3	11642.0000	48.00	3.97	51.97	74.00	-22.03	peak
4	13988.0000	45.31	7.77	53.08	74.00	-20.92	peak
5	15603.0000	42.39	10.03	52.42	74.00	-21.58	peak
6	17609.0000	40.75	11.85	52.60	74.00	-21.40	peak

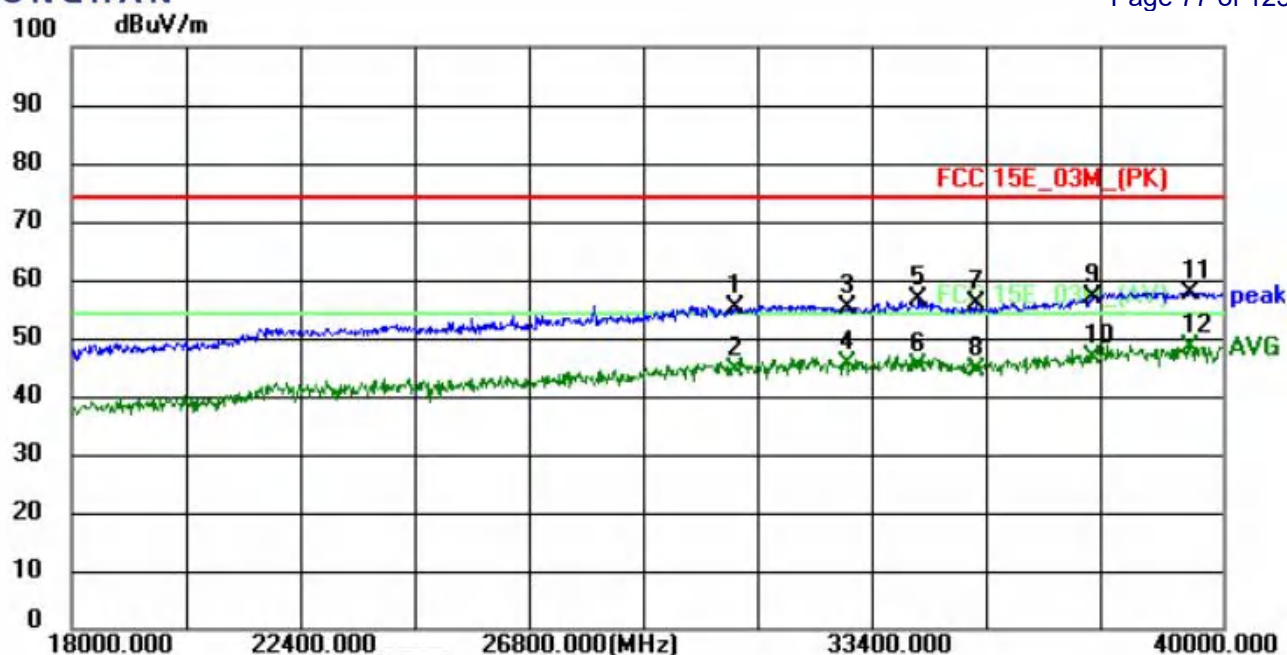


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29550.0000	45.02	9.20	54.22	74.00	-19.78	peak
2	29550.0000	34.02	9.20	43.22	54.00	-10.78	AVG
3	31618.0000	46.49	9.35	55.84	74.00	-18.16	peak
4	31618.0000	35.78	9.35	45.13	54.00	-8.87	AVG
5	33334.0000	46.77	9.28	56.05	74.00	-17.95	peak
6	33334.0000	36.77	9.28	46.05	54.00	-7.95	AVG
7	34654.0000	46.18	9.91	56.09	74.00	-17.91	peak
8	34654.0000	36.62	9.91	46.53	54.00	-7.47	AVG
9	37184.0000	47.61	9.76	57.37	74.00	-16.63	peak
10	37184.0000	36.52	9.76	46.28	54.00	-7.72	AVG
11	39252.0000	48.46	9.34	57.80	74.00	-16.20	peak
12 *	39252.0000	38.41	9.34	47.75	54.00	-6.25	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5755



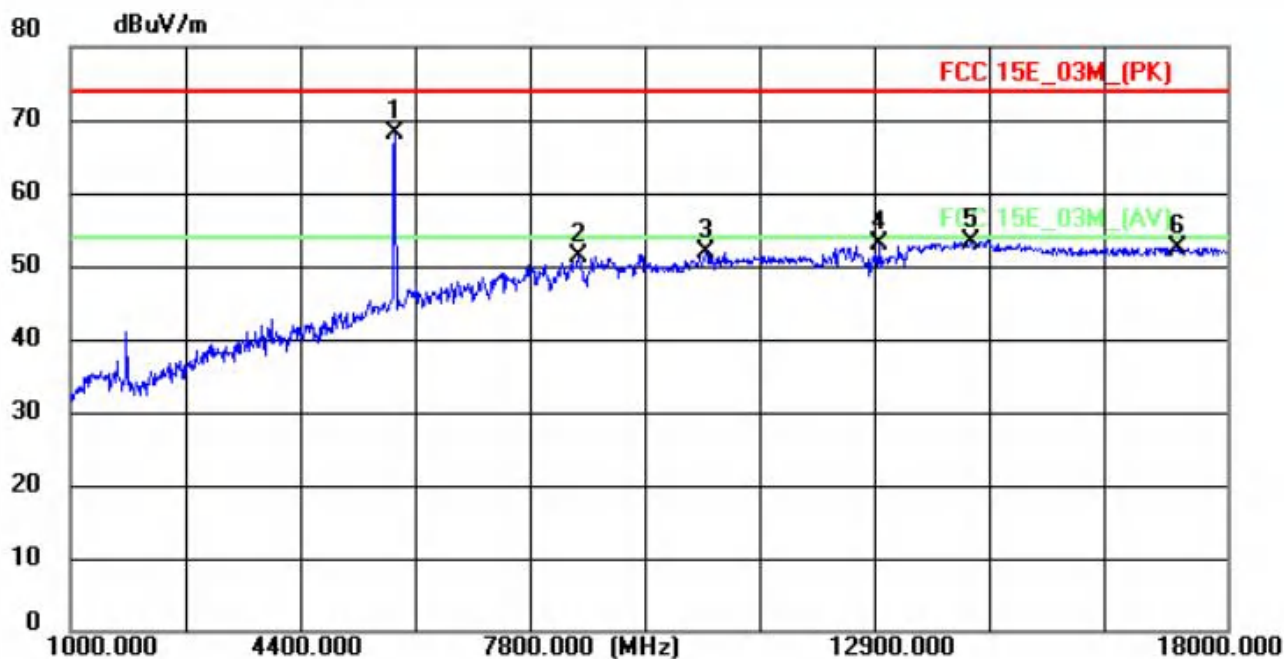
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5755.0000	74.53	-4.54	69.99	/	/	peak
2	9007.0000	50.81	1.63	52.44	74.00	-21.56	peak
3	11421.0000	49.22	3.72	52.94	74.00	-21.06	peak
4	14991.0000	43.29	9.47	52.76	74.00	-21.24	peak
5	16470.0000	43.68	10.82	54.50	74.00	-19.50	peak
6	17609.0000	41.93	11.85	53.78	74.00	-20.22	peak



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	30694.0000	46.31	9.00	55.31	74.00	-18.69	peak
2	30694.0000	35.40	9.00	44.40	54.00	-9.60	AVG
3	32828.0000	46.11	9.24	55.35	74.00	-18.65	peak
4	32828.0000	36.19	9.24	45.43	54.00	-8.57	AVG
5	34192.0000	46.99	9.66	56.65	74.00	-17.35	peak
6	34192.0000	35.47	9.66	45.13	54.00	-8.87	AVG
7	35292.0000	45.59	10.20	55.79	74.00	-18.21	peak
8	35292.0000	34.44	10.20	44.64	54.00	-9.36	AVG
9	37514.0000	47.04	9.84	56.88	74.00	-17.12	peak
10	37514.0000	36.86	9.84	46.70	54.00	-7.30	AVG
11	39384.0000	48.34	9.46	57.80	74.00	-16.20	peak
12 *	39384.0000	38.90	9.46	48.36	54.00	-5.64	AVG



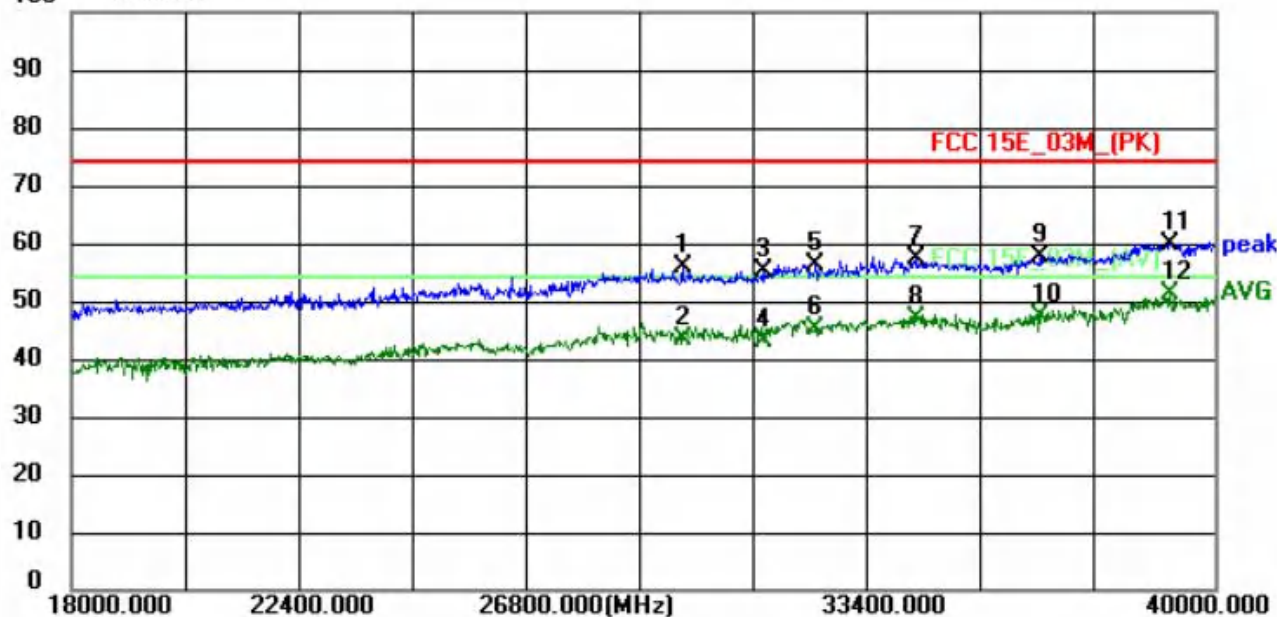
Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5755



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5755.0000	72.62	-4.54	68.08	/	/	peak
2	8463.0000	50.32	1.00	51.32	74.00	-22.68	peak
3	10333.0000	49.47	2.43	51.90	74.00	-22.10	peak
4	12900.0000	46.98	5.92	52.90	74.00	-21.10	peak
5	14243.0000	45.22	8.20	53.42	74.00	-20.58	peak
6	17269.0000	40.93	11.54	52.47	74.00	-21.53	peak



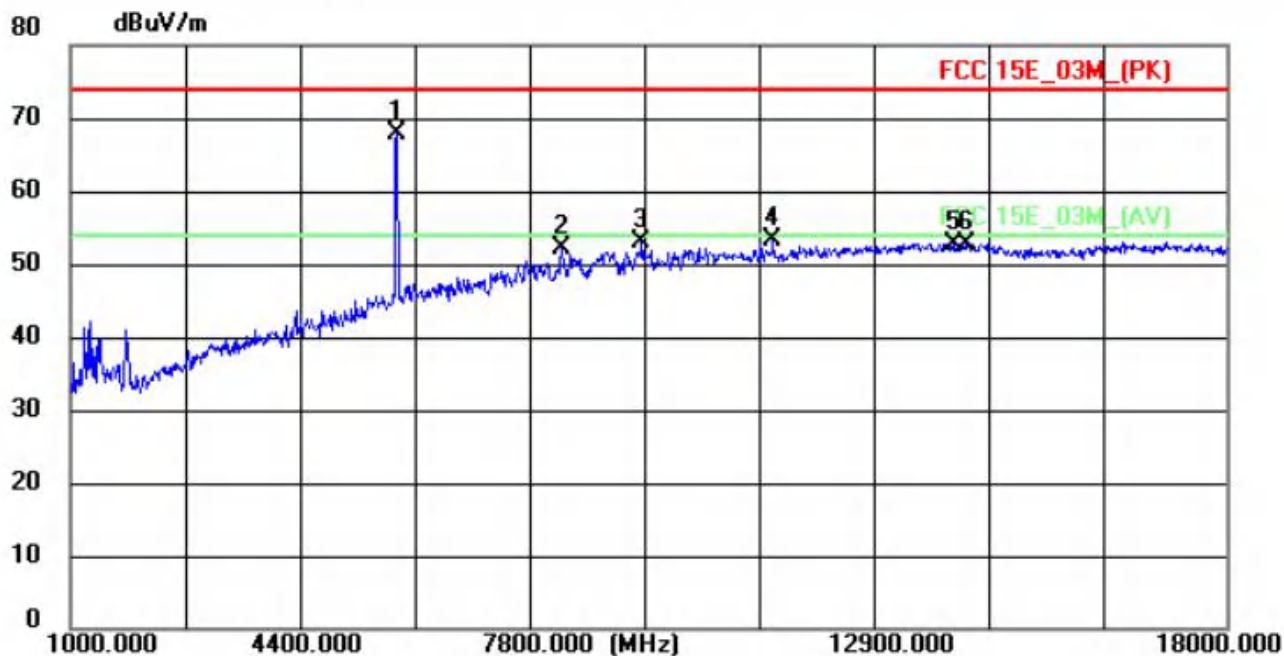
100 dBuV/m



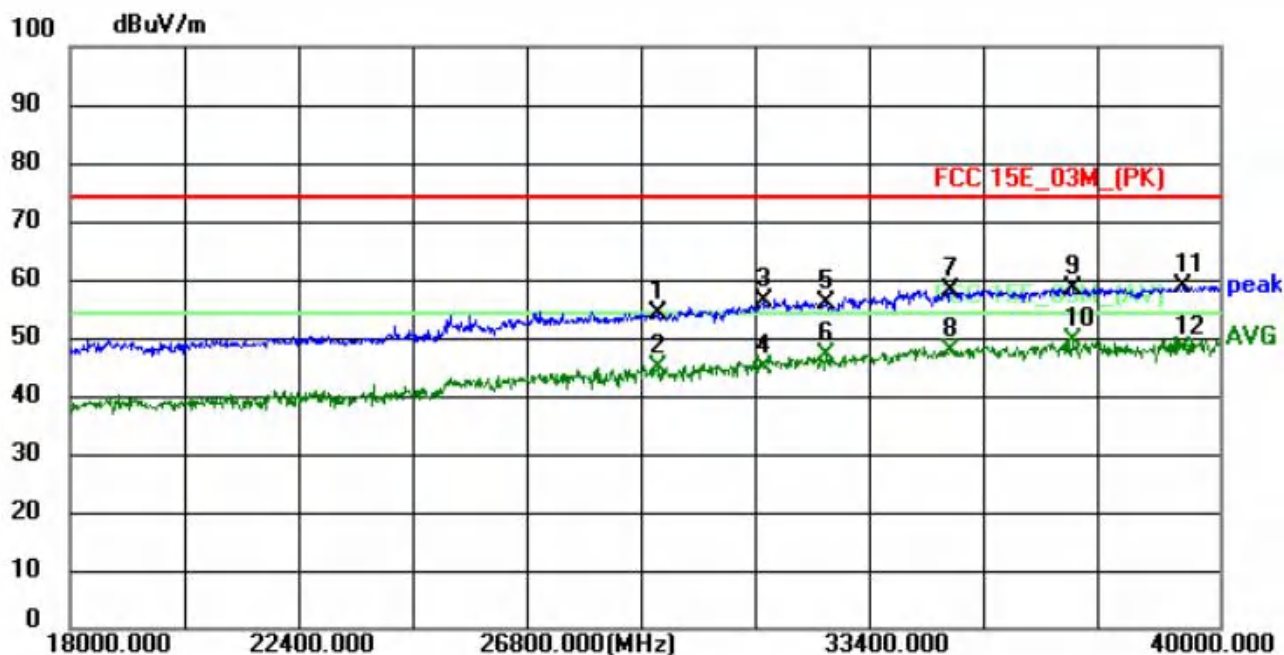
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29770.0000	46.63	9.14	55.77	74.00	-18.23	peak
2	29770.0000	34.33	9.14	43.47	54.00	-10.53	AVG
3	31332.0000	45.82	9.23	55.05	74.00	-18.95	peak
4	31332.0000	33.92	9.23	43.15	54.00	-10.85	AVG
5	32322.0000	46.80	9.37	56.17	74.00	-17.83	peak
6	32322.0000	35.90	9.37	45.27	54.00	-8.73	AVG
7	34258.0000	47.64	9.69	57.33	74.00	-16.67	peak
8	34258.0000	37.32	9.69	47.01	54.00	-6.99	AVG
9	36656.0000	47.80	9.74	57.54	74.00	-16.46	peak
10	36656.0000	37.45	9.74	47.19	54.00	-6.81	AVG
11	39142.0000	50.74	9.23	59.97	74.00	-14.03	peak
12 *	39142.0000	41.85	9.23	51.08	54.00	-2.92	AVG



Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5795

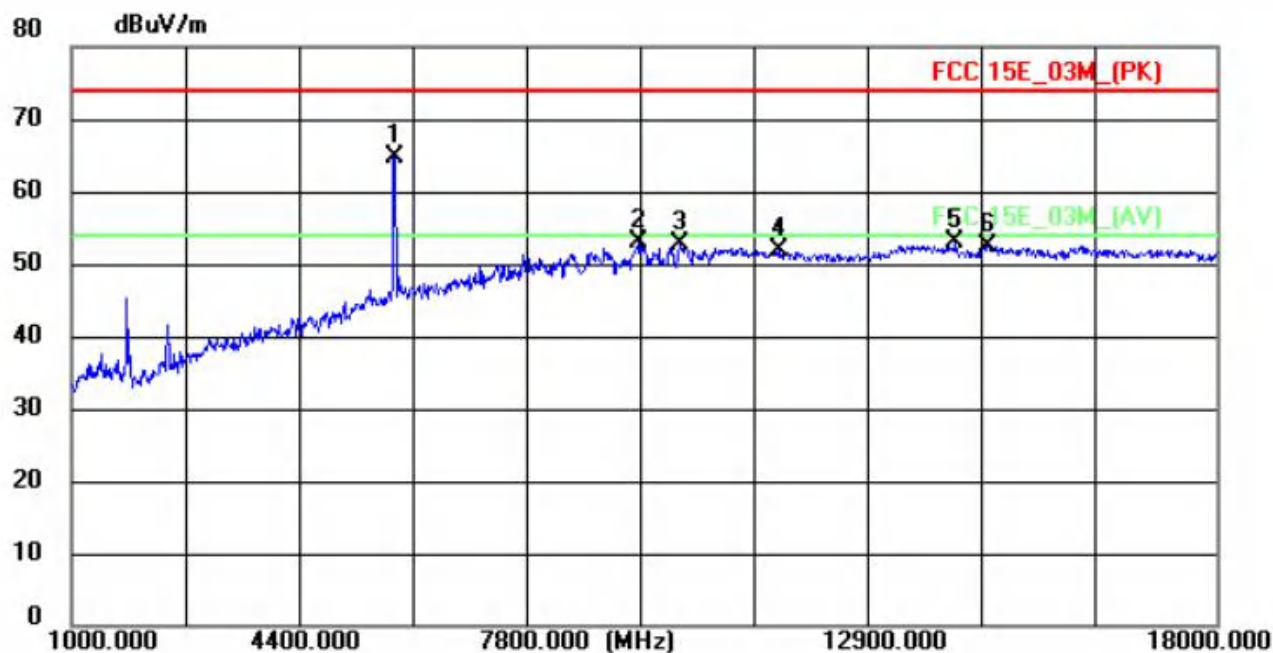


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5795.0000	72.20	-4.40	67.80	/	/	peak
2	8225.0000	51.49	0.71	52.20	74.00	-21.80	peak
3	9398.0000	51.15	1.80	52.95	74.00	-21.05	peak
4	11336.0000	49.79	3.61	53.40	74.00	-20.60	peak
5	13988.0000	44.97	7.77	52.74	74.00	-21.26	peak
6	14175.0000	44.62	8.09	52.71	74.00	-21.29	peak

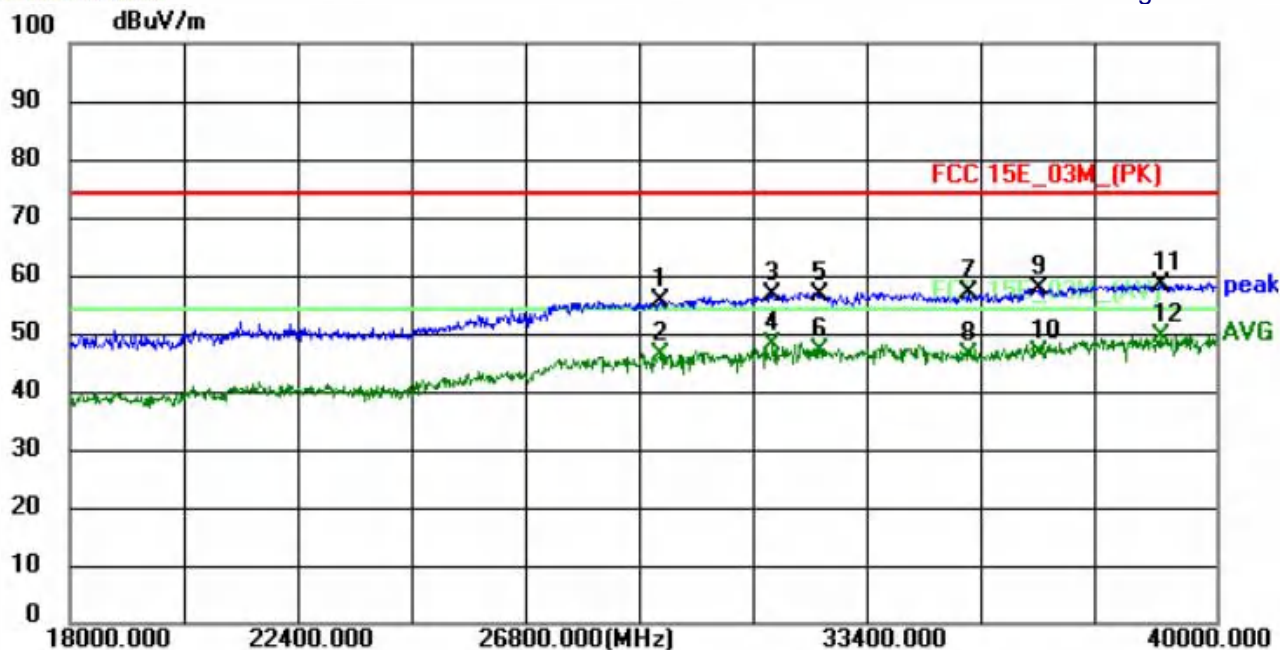


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29242.0000	44.84	9.16	54.00	74.00	-20.00	peak
2	29242.0000	35.78	9.16	44.94	54.00	-9.06	AVG
3	31266.0000	46.99	9.20	56.19	74.00	-17.81	peak
4	31266.0000	35.46	9.20	44.66	54.00	-9.34	AVG
5	32476.0000	46.49	9.34	55.83	74.00	-18.17	peak
6	32476.0000	37.51	9.34	46.85	54.00	-7.15	AVG
7	34852.0000	48.17	10.02	58.19	74.00	-15.81	peak
8	34852.0000	37.71	10.02	47.73	54.00	-6.27	AVG
9	37206.0000	48.58	9.77	58.35	74.00	-15.65	peak
10 *	37206.0000	39.63	9.77	49.40	54.00	-4.60	AVG
11	39318.0000	49.38	9.39	58.77	74.00	-15.23	peak
12	39318.0000	38.66	9.39	48.05	54.00	-5.95	AVG

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5795



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5795.0000	69.08	-4.40	64.68	/	/	peak
2	9415.0000	51.34	1.79	53.13	74.00	-20.87	peak
3	10044.0000	50.72	2.08	52.80	74.00	-21.20	peak
4	11523.0000	47.93	3.83	51.76	74.00	-22.24	peak
5	14124.0000	44.89	8.00	52.89	74.00	-21.11	peak
6	14600.0000	43.60	8.81	52.41	74.00	-21.59	peak



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	29330.0000	46.42	9.17	55.59	74.00	-18.41	peak
2	29330.0000	37.23	9.17	46.40	54.00	-7.60	AVG
3	31486.0000	47.28	9.32	56.60	74.00	-17.40	peak
4	31486.0000	38.72	9.32	48.04	54.00	-5.96	AVG
5	32388.0000	47.40	9.36	56.76	74.00	-17.24	peak
6	32388.0000	37.71	9.36	47.07	54.00	-6.93	AVG
7	35248.0000	46.92	10.18	57.10	74.00	-16.90	peak
8	35248.0000	36.18	10.18	46.36	54.00	-7.64	AVG
9	36612.0000	48.10	9.74	57.84	74.00	-16.16	peak
10	36612.0000	36.76	9.74	46.50	54.00	-7.50	AVG
11	38966.0000	49.26	9.09	58.35	74.00	-15.65	peak
12 *	38966.0000	40.40	9.09	49.49	54.00	-4.51	AVG

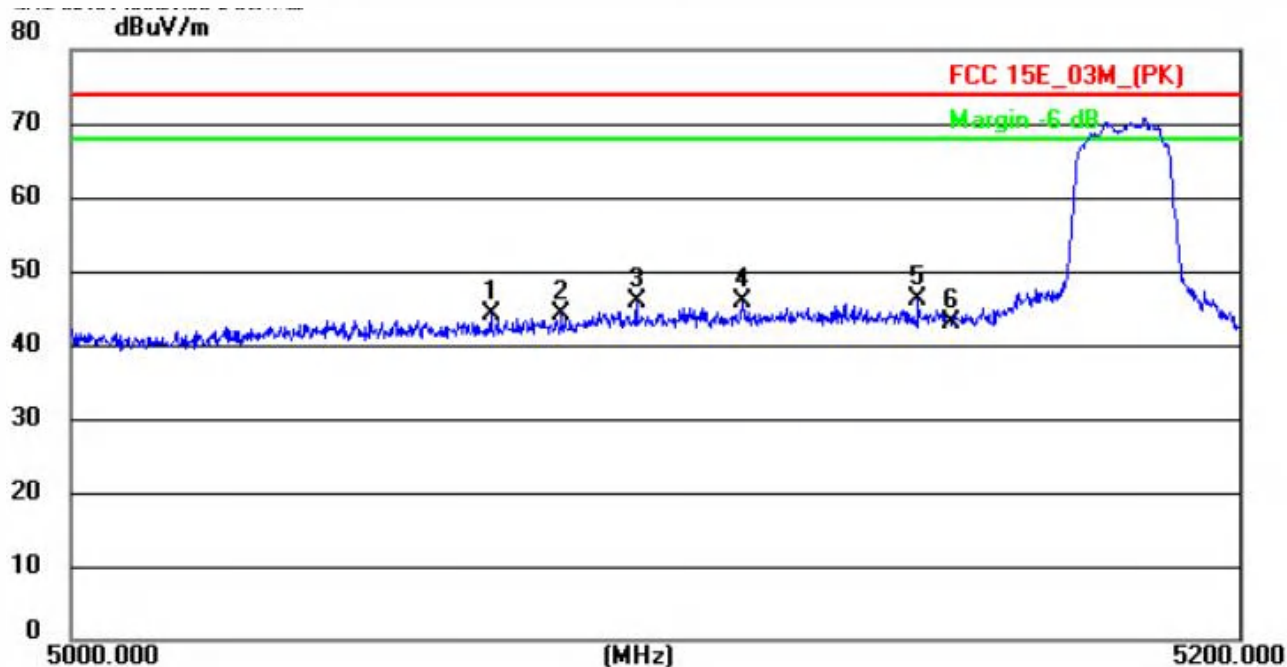
Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.

2. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.



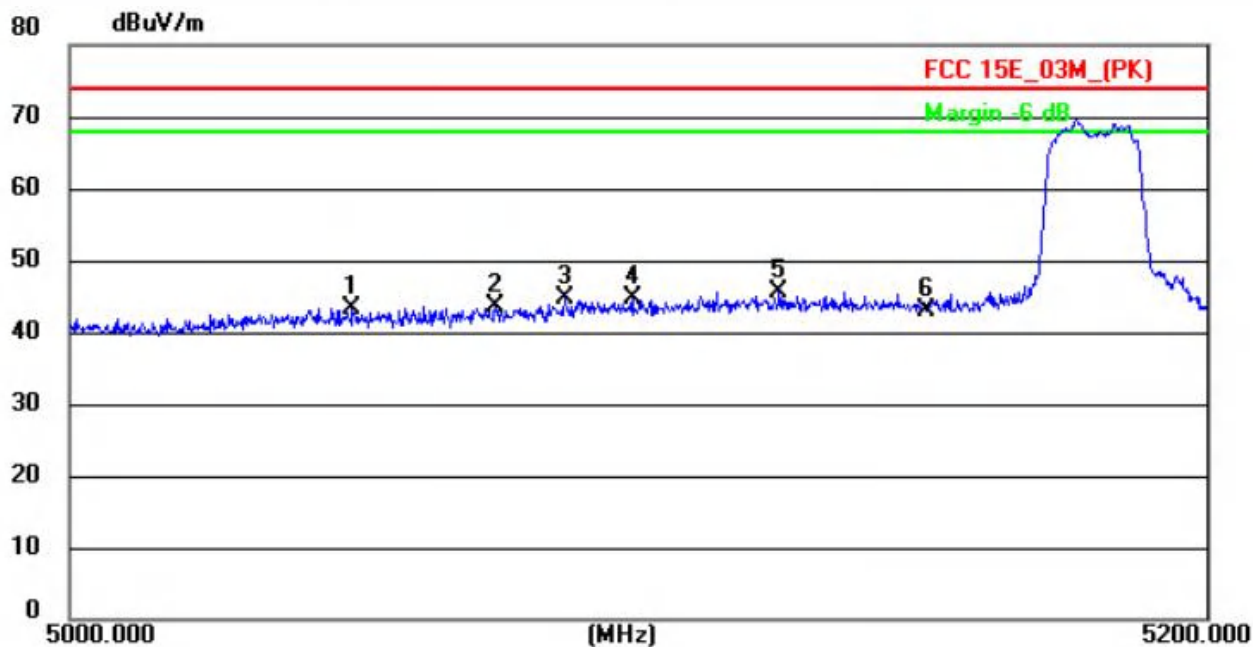
Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5180



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5071.2000	50.90	-6.67	44.23	74.00	-29.77	peak
2	5083.2000	50.70	-6.64	44.06	74.00	-29.94	peak
3	5096.0000	52.34	-6.60	45.74	74.00	-28.26	peak
4	5114.2000	52.39	-6.56	45.83	74.00	-28.17	peak
5 *	5144.4000	52.69	-6.49	46.20	74.00	-27.80	peak
6	5150.0000	49.55	-6.49	43.06	74.00	-30.94	peak

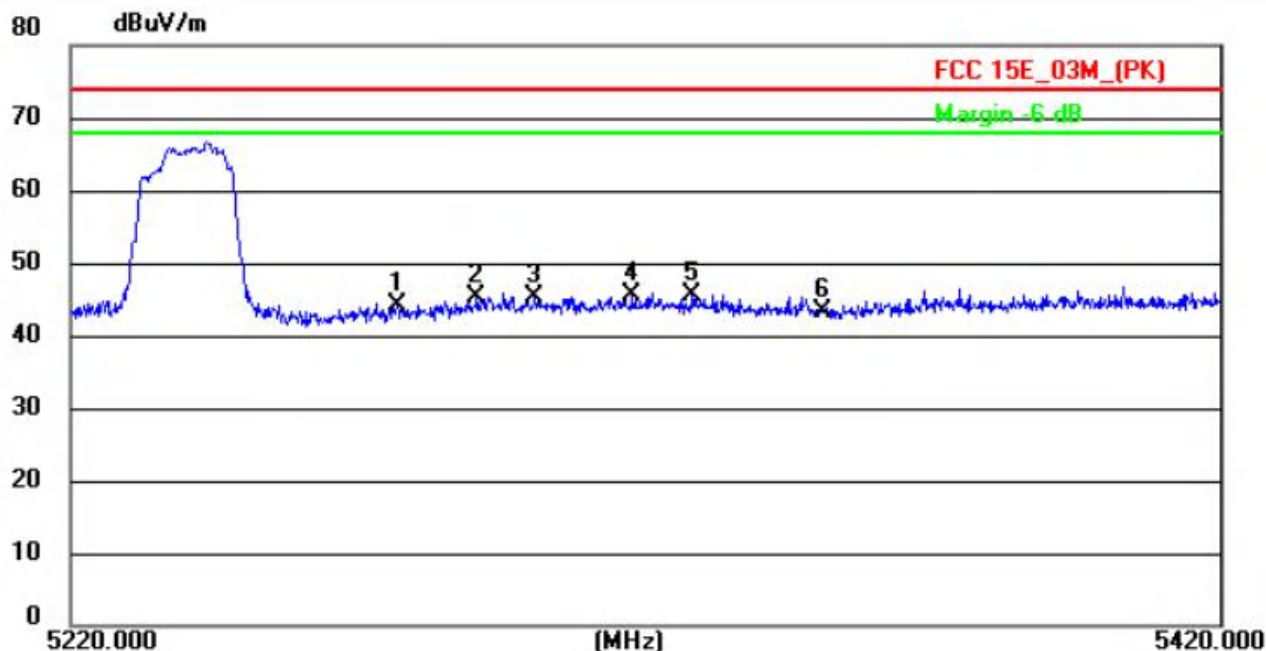


Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5180



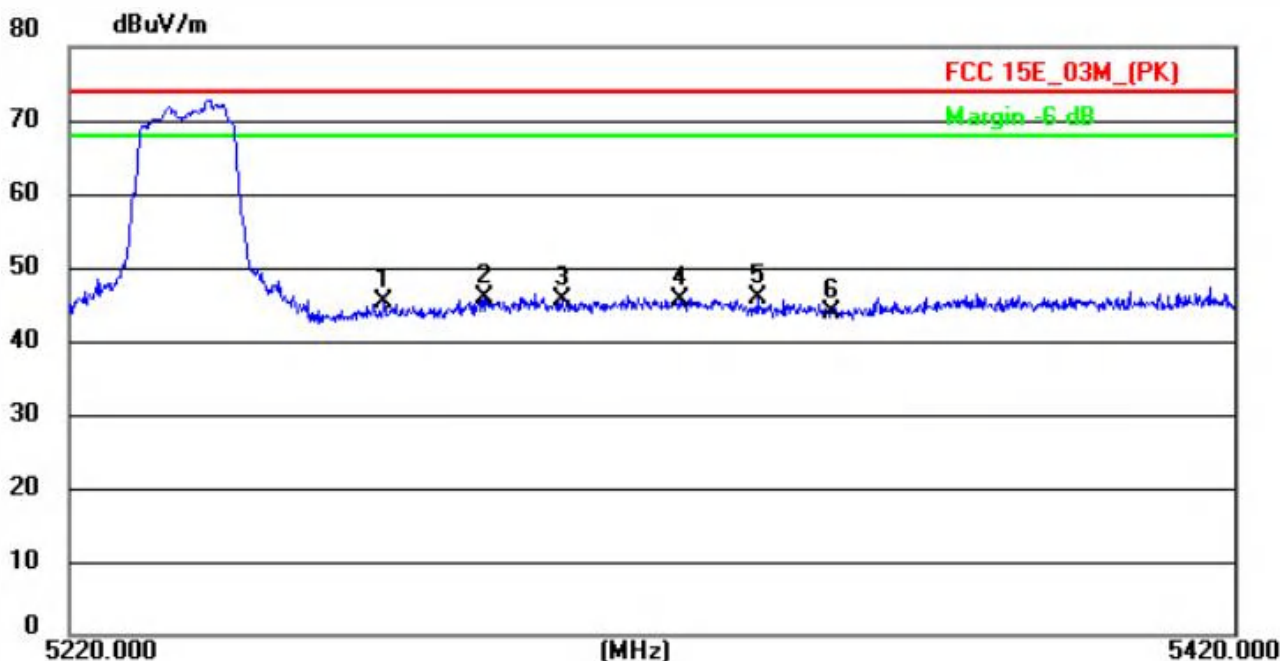
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5049.2000	50.14	-6.72	43.42	74.00	-30.58	peak
2	5074.0000	50.15	-6.66	43.49	74.00	-30.51	peak
3	5086.4000	51.23	-6.62	44.61	74.00	-29.39	peak
4	5098.2000	51.29	-6.60	44.69	74.00	-29.31	peak
5 *	5124.0000	51.97	-6.54	45.43	74.00	-28.57	peak
6	5150.0000	49.43	-6.49	42.94	74.00	-31.06	peak

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5240



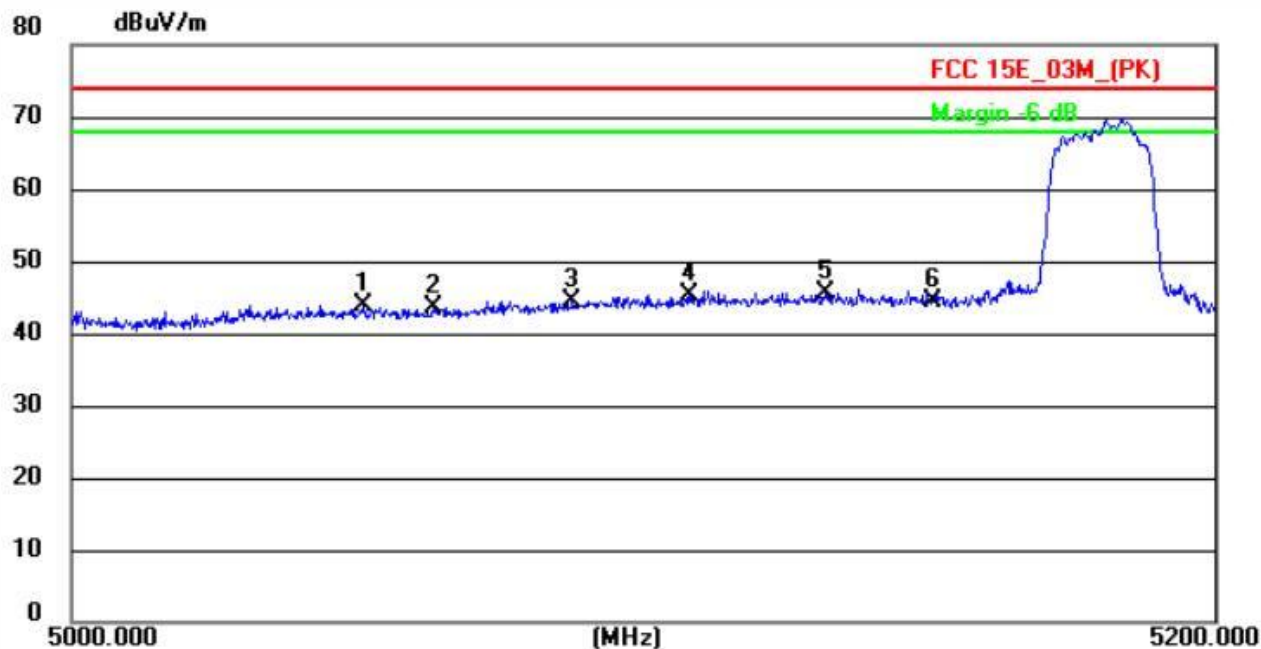
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5276.2000	50.37	-6.19	44.18	74.00	-29.82	peak
2	5289.8000	51.45	-6.15	45.30	74.00	-28.70	peak
3	5300.0000	51.37	-6.13	45.24	74.00	-28.76	peak
4	5317.0000	51.60	-6.10	45.50	74.00	-28.50	peak
5 *	5327.4000	51.76	-6.07	45.69	74.00	-28.31	peak
6	5350.0000	49.41	-6.02	43.39	74.00	-30.61	peak

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5240



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5273.4000	51.43	-6.20	45.23	74.00	-28.77	peak
2	5290.6000	51.92	-6.15	45.77	74.00	-28.23	peak
3	5303.8000	51.74	-6.13	45.61	74.00	-28.39	peak
4	5324.2000	51.71	-6.08	45.63	74.00	-28.37	peak
5 *	5337.4000	51.96	-6.05	45.91	74.00	-28.09	peak
6	5350.0000	49.81	-6.02	43.79	74.00	-30.21	peak

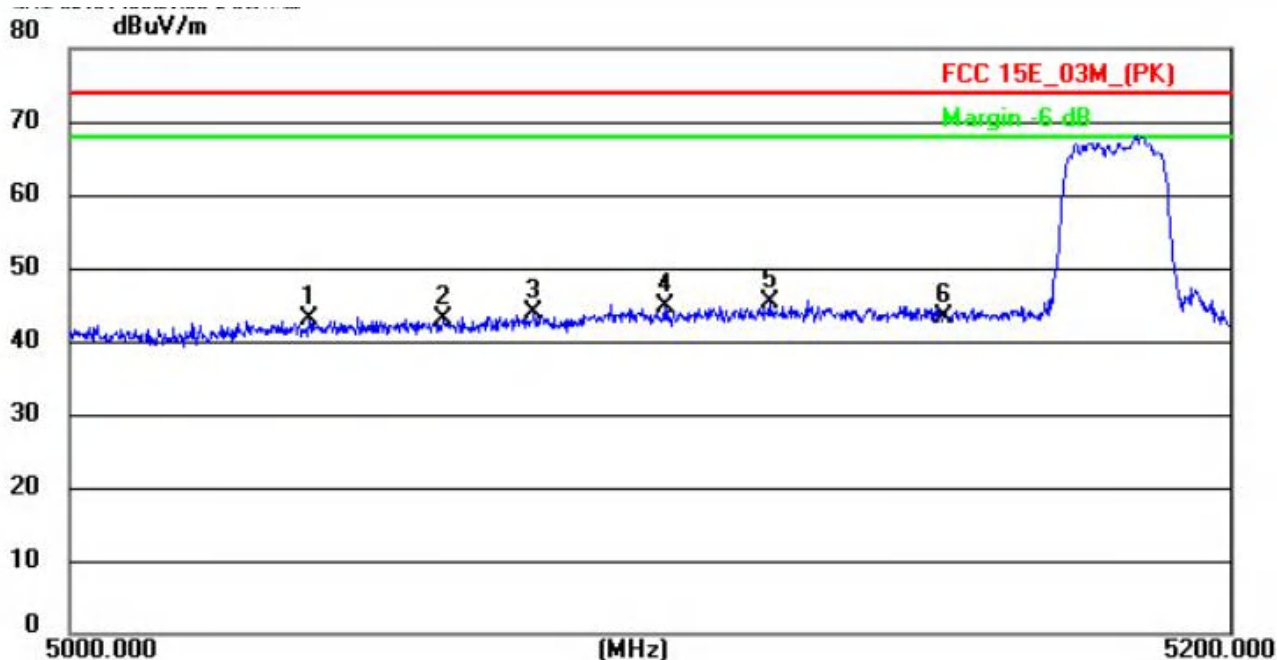
Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5180



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5050.6000	50.44	-6.71	43.73	74.00	-30.27	peak
2	5062.4000	50.37	-6.69	43.68	74.00	-30.32	peak
3	5086.8000	51.16	-6.62	44.54	74.00	-29.46	peak
4	5107.4000	51.78	-6.58	45.20	74.00	-28.80	peak
5 *	5131.0000	52.16	-6.53	45.63	74.00	-28.37	peak
6	5150.0000	51.00	-6.49	44.51	74.00	-29.49	peak

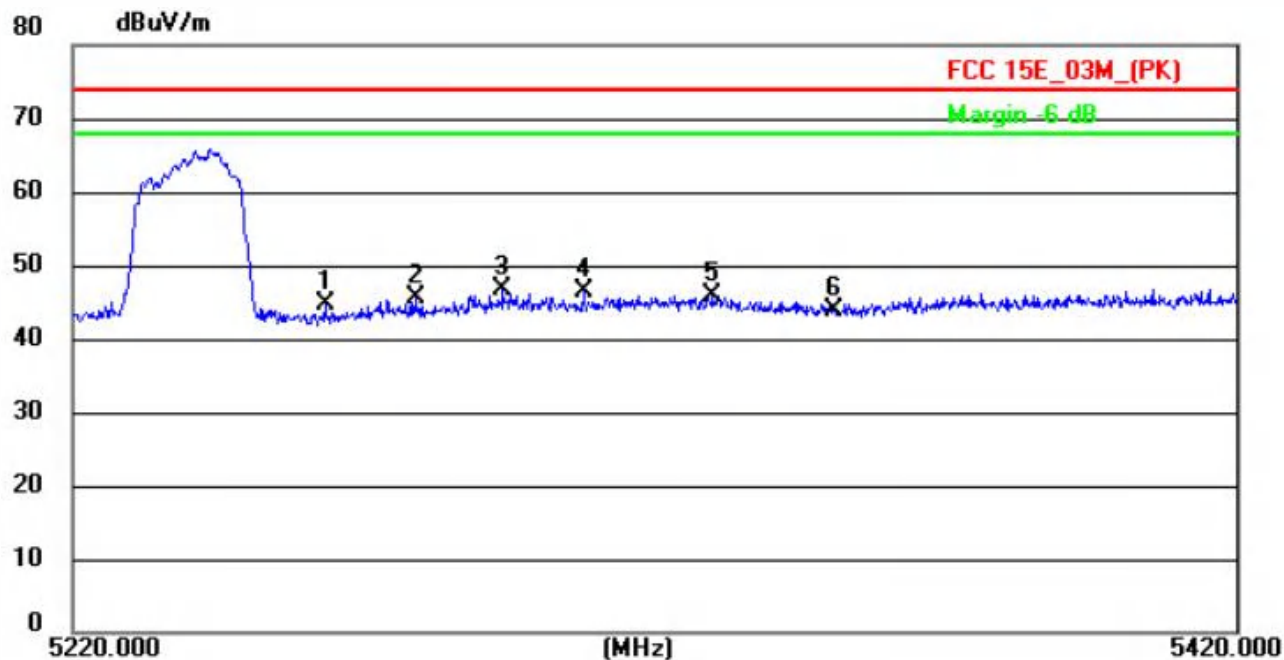


Temperature:	24.3°C	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5180



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5040.6000	49.75	-6.74	43.01	74.00	-30.99	peak
2	5063.6000	49.76	-6.69	43.07	74.00	-30.93	peak
3	5079.2000	50.53	-6.64	43.89	74.00	-30.11	peak
4	5101.8000	51.40	-6.60	44.80	74.00	-29.20	peak
5 *	5119.8000	51.91	-6.56	45.35	74.00	-28.65	peak
6	5150.0000	49.68	-6.49	43.19	74.00	-30.81	peak

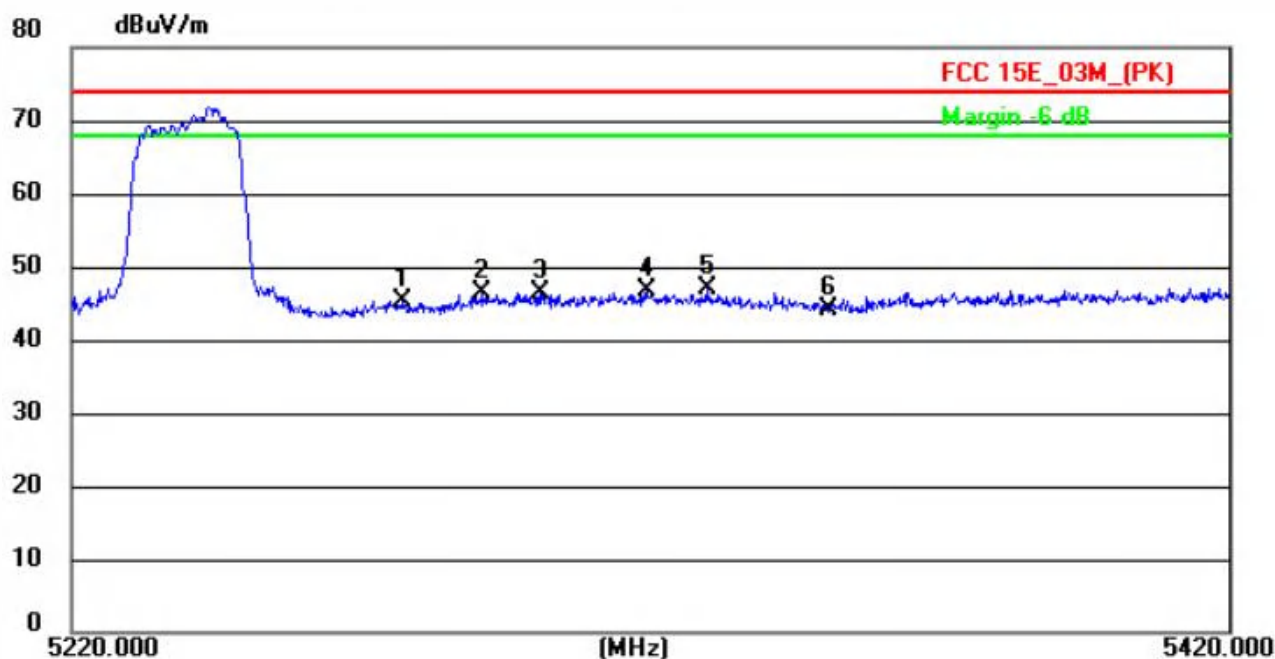
Temperature:	24.3°C	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5240



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5262.8000	50.96	-6.22	44.74	74.00	-29.26	peak
2	5278.4000	51.66	-6.18	45.48	74.00	-28.52	peak
3 *	5293.2000	52.88	-6.15	46.73	74.00	-27.27	peak
4	5307.0000	52.43	-6.12	46.31	74.00	-27.69	peak
5	5329.2000	52.06	-6.06	46.00	74.00	-28.00	peak
6	5350.0000	49.78	-6.02	43.76	74.00	-30.24	peak

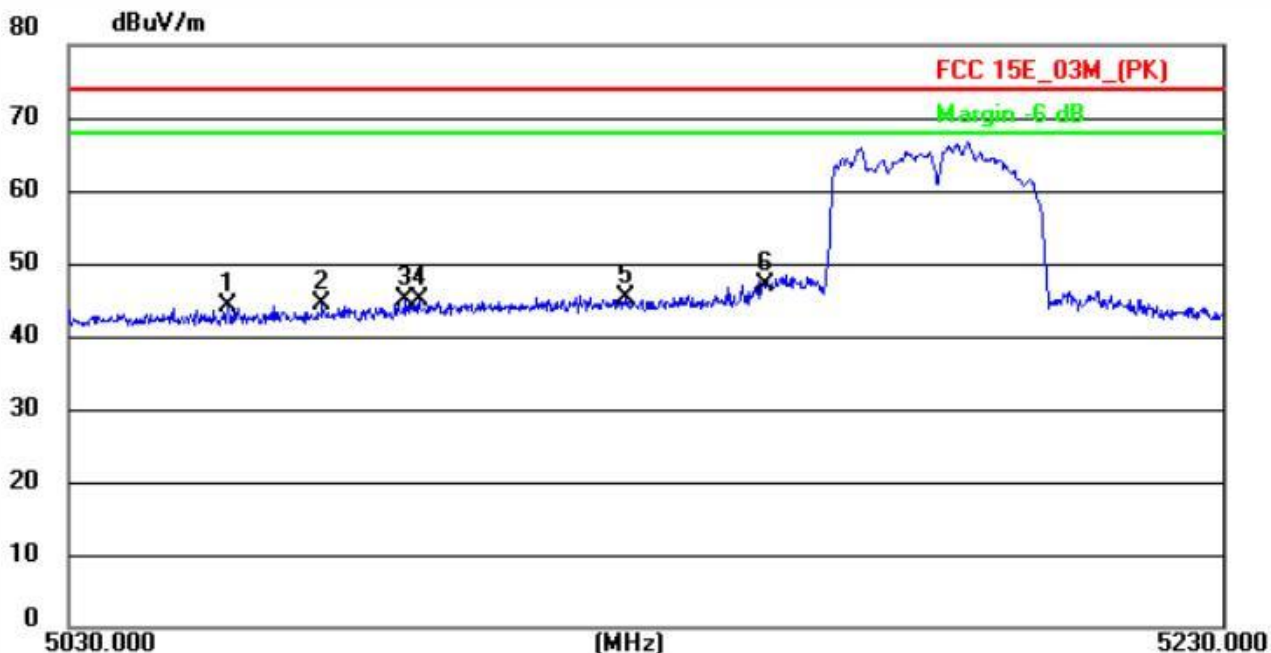


Temperature:	24.3°C	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5240



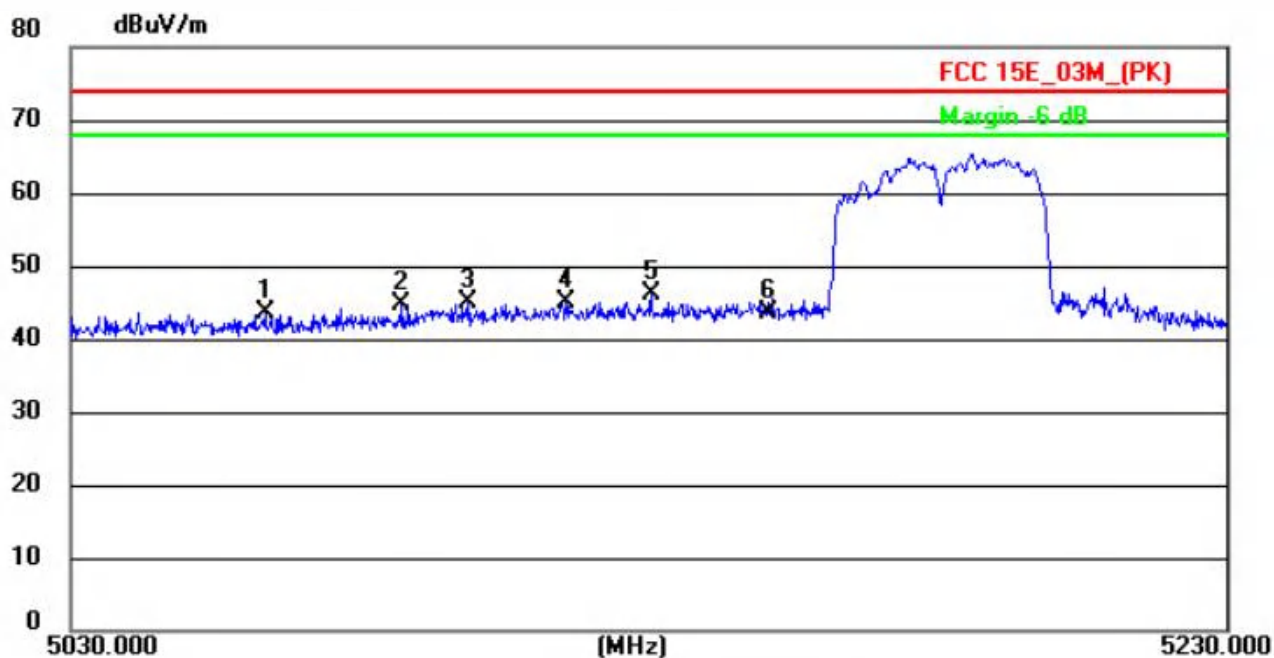
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5276.8000	51.54	-6.19	45.35	74.00	-28.65	peak
2	5290.2000	52.65	-6.15	46.50	74.00	-27.50	peak
3	5300.4000	52.45	-6.13	46.32	74.00	-27.68	peak
4	5318.6000	52.84	-6.10	46.74	74.00	-27.26	peak
5 *	5329.2000	52.92	-6.06	46.86	74.00	-27.14	peak
6	5350.0000	50.09	-6.02	44.07	74.00	-29.93	peak

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5190



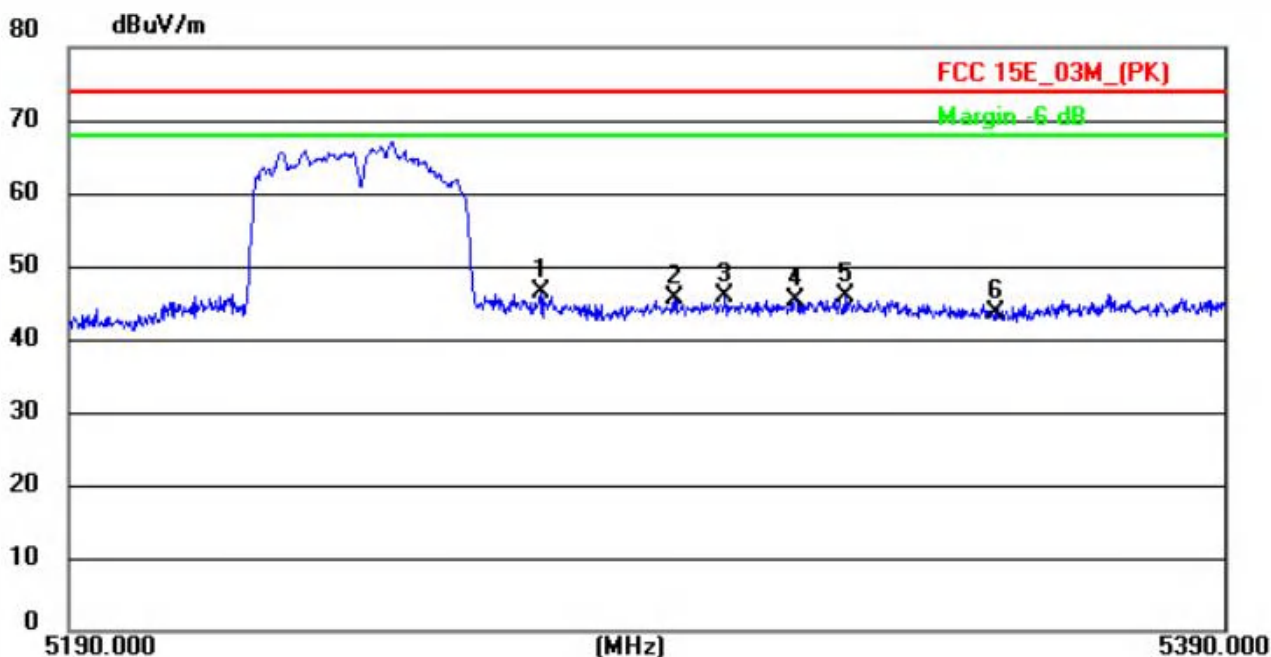
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5057.2000	50.74	-6.70	44.04	74.00	-29.96	peak
2	5073.4000	51.09	-6.67	44.42	74.00	-29.58	peak
3	5087.6000	51.60	-6.62	44.98	74.00	-29.02	peak
4	5090.0000	51.66	-6.62	45.04	74.00	-28.96	peak
5	5125.6000	51.80	-6.53	45.27	74.00	-28.73	peak
6 *	5150.0000	53.57	-6.49	47.08	74.00	-26.92	peak

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5190



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5063.2000	50.26	-6.69	43.57	74.00	-30.43	peak
2	5086.8000	51.46	-6.62	44.84	74.00	-29.16	peak
3	5097.8000	51.67	-6.60	45.07	74.00	-28.93	peak
4	5115.0000	51.70	-6.56	45.14	74.00	-28.86	peak
5 *	5129.6000	52.80	-6.53	46.27	74.00	-27.73	peak
6	5150.0000	50.09	-6.49	43.60	74.00	-30.40	peak

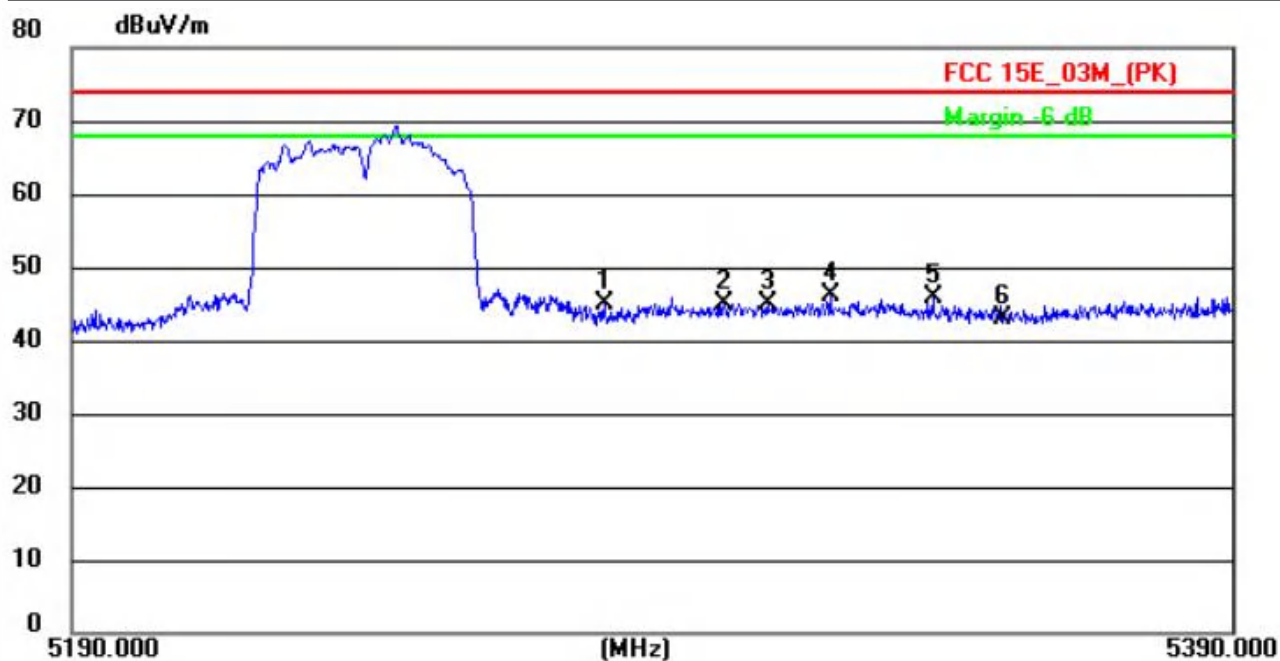
Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5230



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5270.8000	52.53	-6.20	46.33	74.00	-27.67	peak
2	5294.0000	51.78	-6.15	45.63	74.00	-28.37	peak
3	5302.8000	52.05	-6.13	45.92	74.00	-28.08	peak
4	5315.0000	51.52	-6.10	45.42	74.00	-28.58	peak
5	5323.6000	51.98	-6.08	45.90	74.00	-28.10	peak
6	5350.0000	49.67	-6.02	43.65	74.00	-30.35	peak



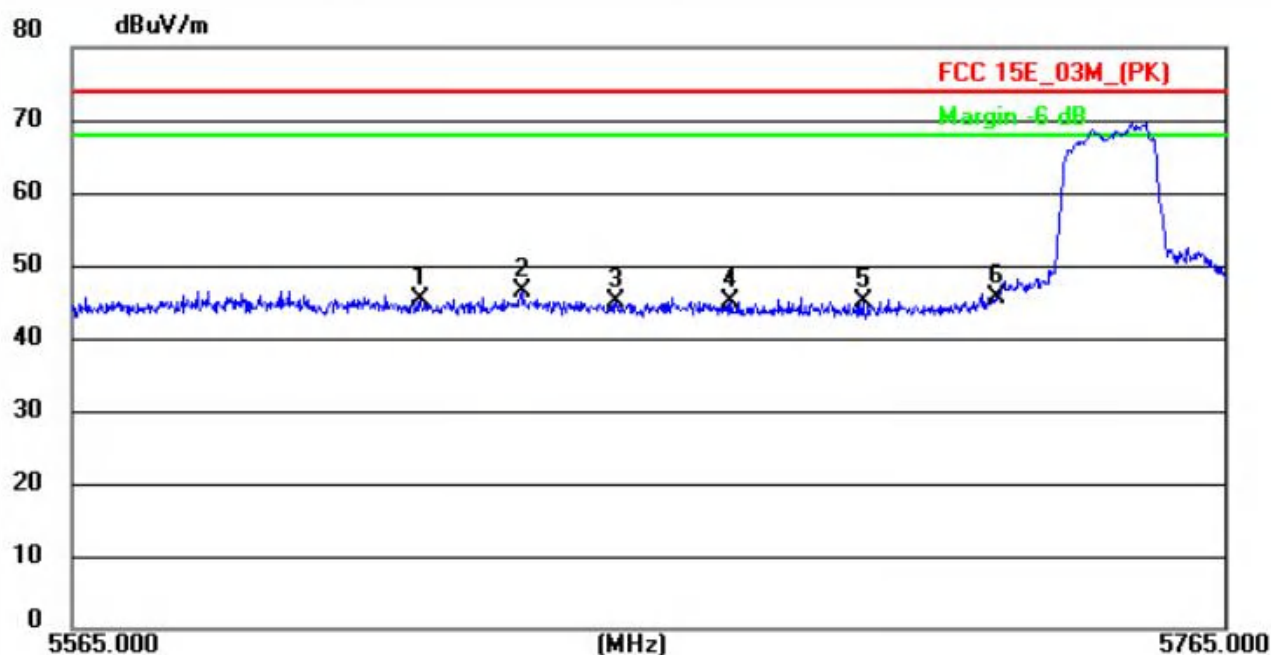
Temperature:	24.3°C	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5230



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5281.0000	51.26	-6.17	45.09	74.00	-28.91	peak
2	5301.6000	51.26	-6.13	45.13	74.00	-28.87	peak
3	5309.2000	51.22	-6.11	45.11	74.00	-28.89	peak
4 *	5320.0000	52.25	-6.09	46.16	74.00	-27.84	peak
5	5337.8000	51.84	-6.05	45.79	74.00	-28.21	peak
6	5350.0000	49.10	-6.02	43.08	74.00	-30.92	peak



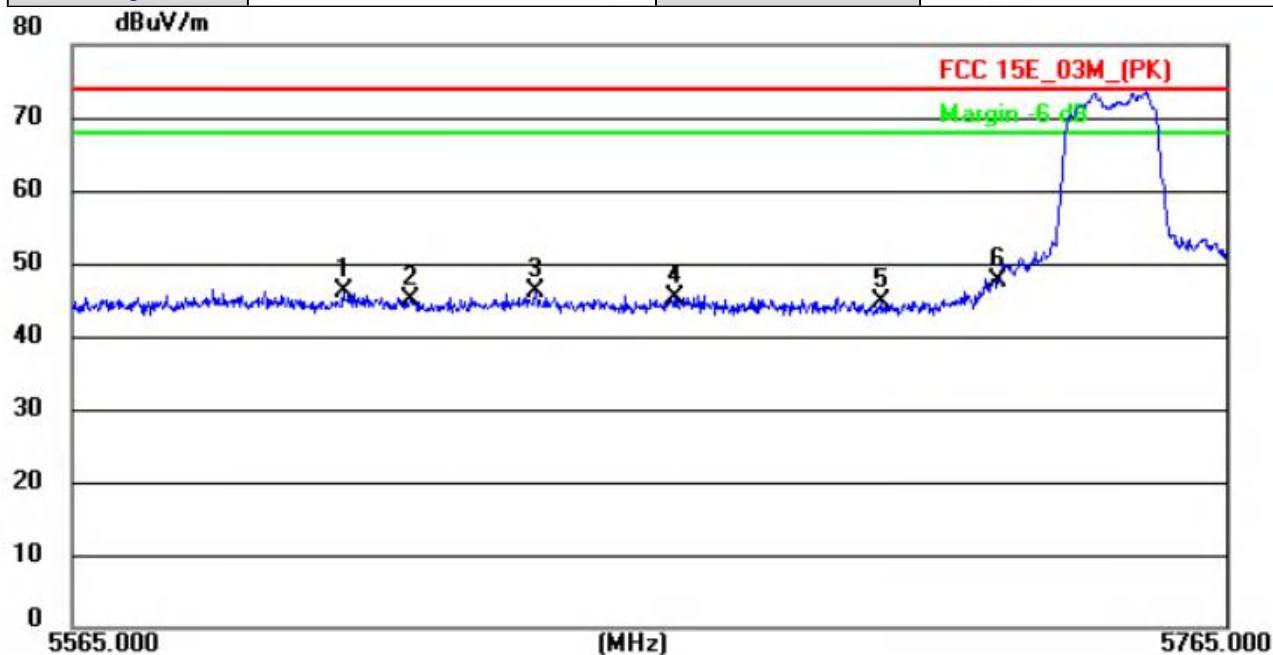
Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5745



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5624.8000	50.43	-5.13	45.30	74.00	-28.70	peak
2 *	5642.2000	51.47	-5.06	46.41	74.00	-27.59	peak
3	5658.6000	49.93	-4.99	44.94	74.00	-29.06	peak
4	5678.6000	49.99	-4.90	45.09	74.00	-28.91	peak
5	5701.6000	49.69	-4.80	44.89	74.00	-29.11	peak
6	5725.0000	50.41	-4.70	45.71	74.00	-28.29	peak

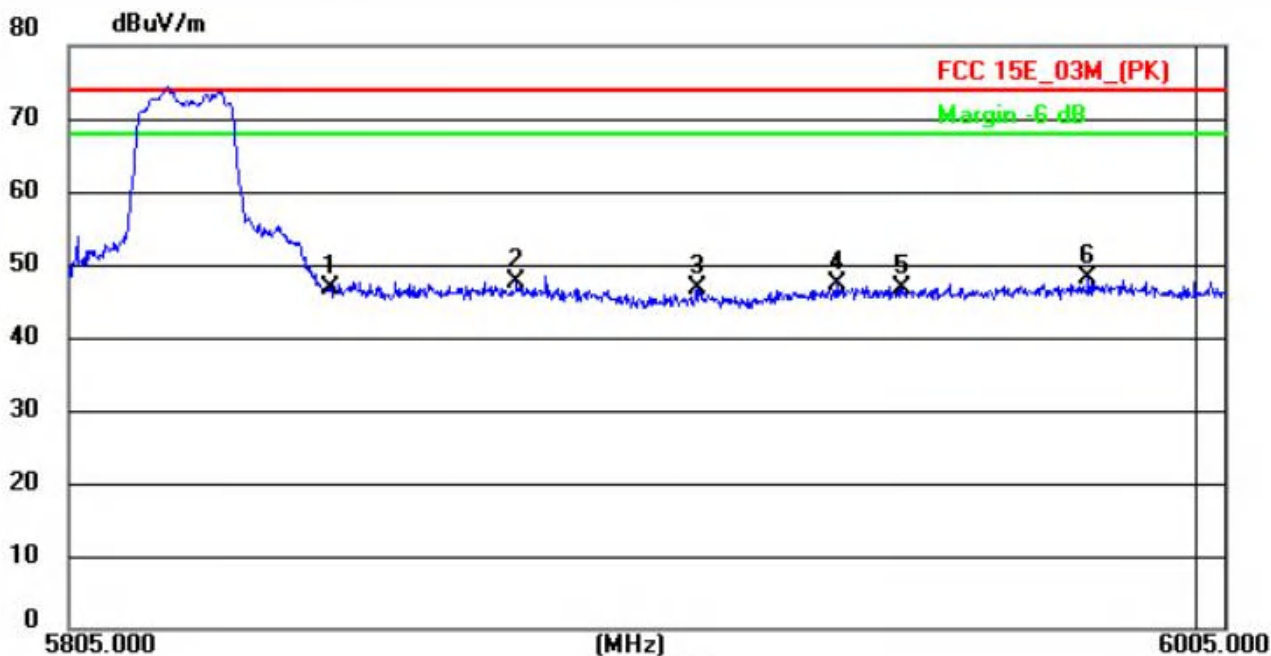


Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5745



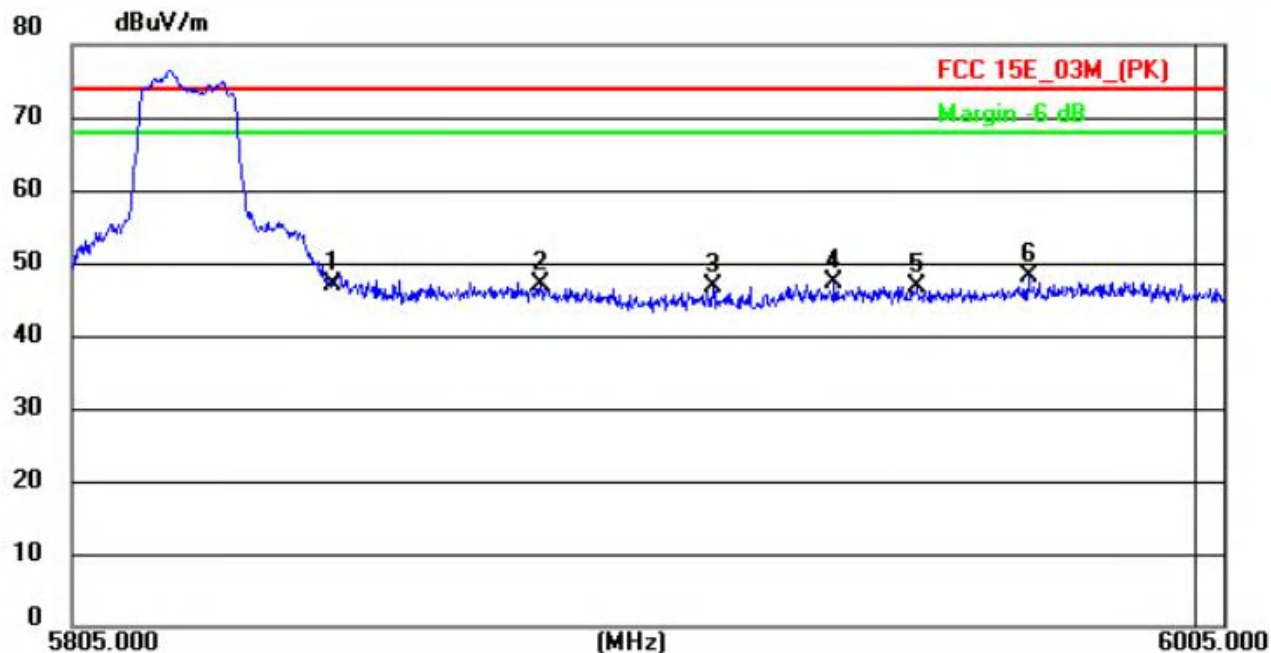
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5611.4000	51.41	-5.19	46.22	74.00	-27.78	peak
2	5623.2000	50.26	-5.13	45.13	74.00	-28.87	peak
3	5644.4000	51.27	-5.04	46.23	74.00	-27.77	peak
4	5668.6000	50.34	-4.94	45.40	74.00	-28.60	peak
5	5704.6000	49.59	-4.78	44.81	74.00	-29.19	peak
6 *	5725.0000	52.35	-4.70	47.65	74.00	-26.35	peak

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11a-5825



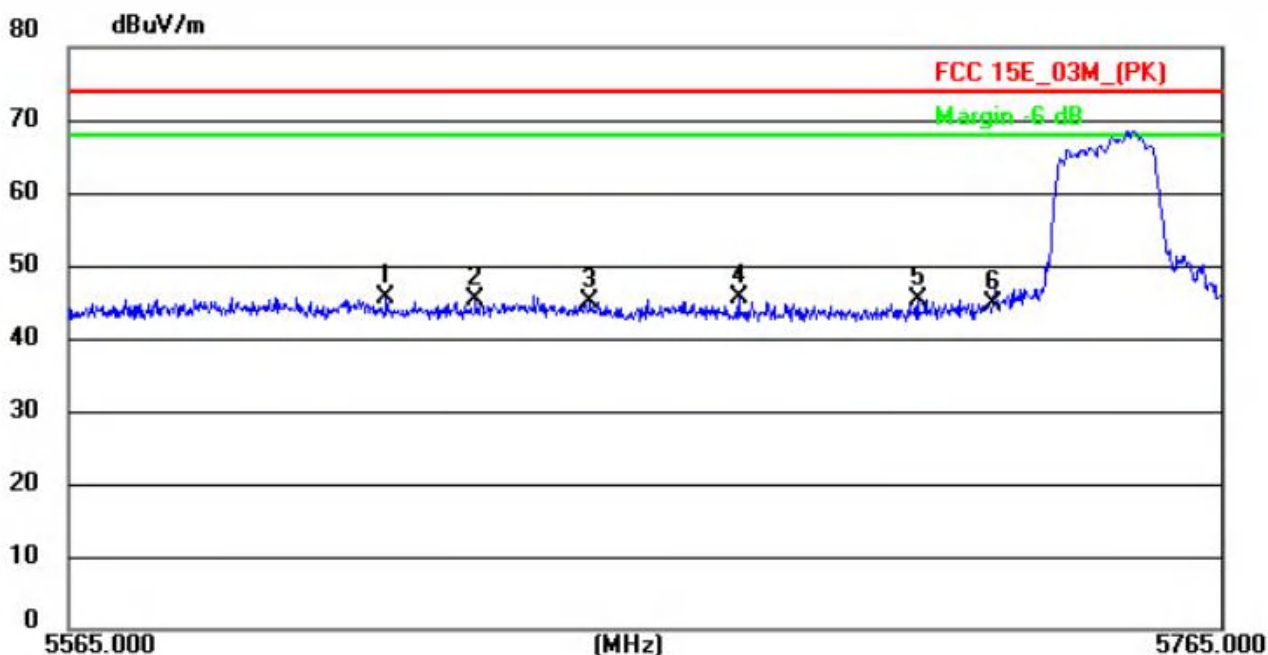
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	50.74	-4.15	46.59	74.00	-27.41	peak
2	5881.8000	51.70	-4.02	47.68	74.00	-26.32	peak
3	5913.0000	50.59	-3.89	46.70	74.00	-27.30	peak
4	5937.6000	50.94	-3.78	47.16	74.00	-26.84	peak
5	5948.6000	50.43	-3.73	46.70	74.00	-27.30	peak
6 *	5981.2000	51.61	-3.59	48.02	74.00	-25.98	peak

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11a-5825



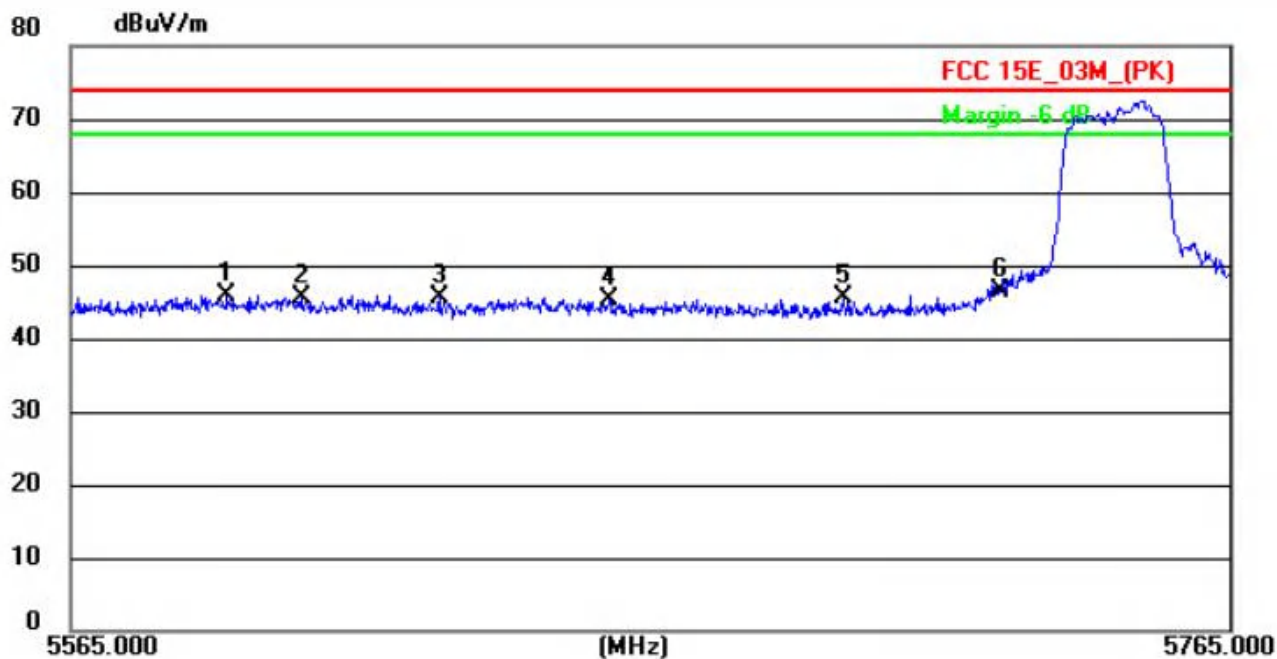
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	51.06	-4.15	46.91	74.00	-27.09	peak
2	5885.6000	50.93	-4.01	46.92	74.00	-27.08	peak
3	5915.4000	50.48	-3.88	46.60	74.00	-27.40	peak
4	5936.8000	51.11	-3.78	47.33	74.00	-26.67	peak
5	5951.2000	50.44	-3.72	46.72	74.00	-27.28	peak
6 *	5970.8000	51.71	-3.63	48.08	74.00	-25.92	peak

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5745



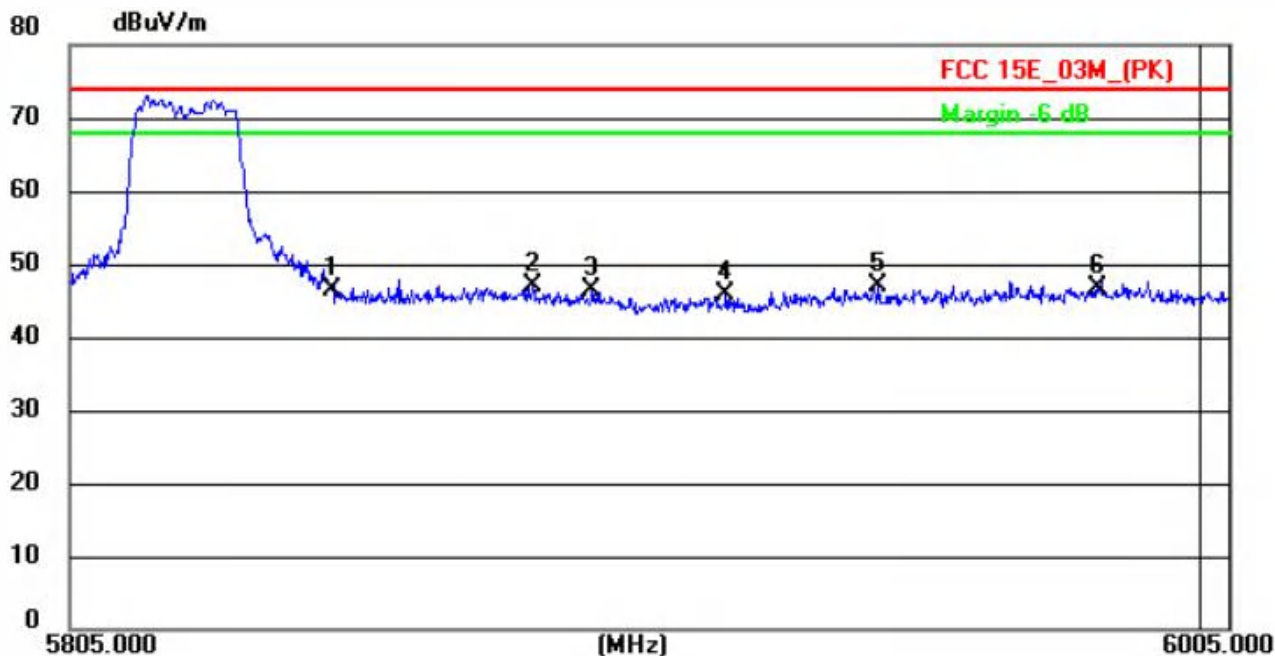
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5619.6000	50.66	-5.16	45.50	74.00	-28.50	peak
2	5634.8000	50.45	-5.08	45.37	74.00	-28.63	peak
3	5654.8000	50.05	-5.00	45.05	74.00	-28.95	peak
4	5680.6000	50.33	-4.89	45.44	74.00	-28.56	peak
5	5711.8000	49.92	-4.75	45.17	74.00	-28.83	peak
6	5725.0000	49.39	-4.70	44.69	74.00	-29.31	peak

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5745



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5591.6000	51.15	-5.28	45.87	74.00	-28.13	peak
2	5604.4000	50.88	-5.22	45.66	74.00	-28.34	peak
3	5628.0000	50.63	-5.12	45.51	74.00	-28.49	peak
4	5657.2000	50.33	-4.99	45.34	74.00	-28.66	peak
5	5697.8000	50.36	-4.81	45.55	74.00	-28.45	peak
6 *	5725.0000	51.20	-4.70	46.50	74.00	-27.50	peak

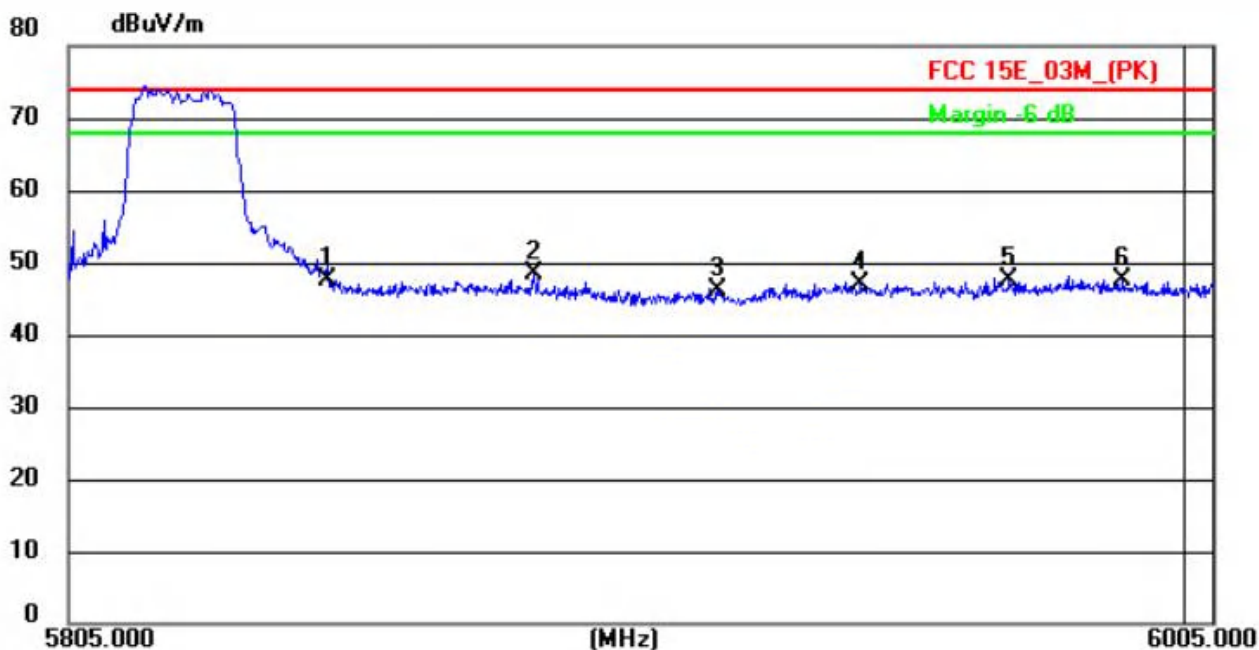
Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n20-5825



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	50.61	-4.15	46.46	74.00	-27.54	peak
2 *	5884.2000	51.12	-4.01	47.11	74.00	-26.89	peak
3	5894.4000	50.46	-3.97	46.49	74.00	-27.51	peak
4	5917.4000	49.65	-3.86	45.79	74.00	-28.21	peak
5	5944.0000	50.83	-3.75	47.08	74.00	-26.92	peak
6	5982.2000	50.27	-3.59	46.68	74.00	-27.32	peak

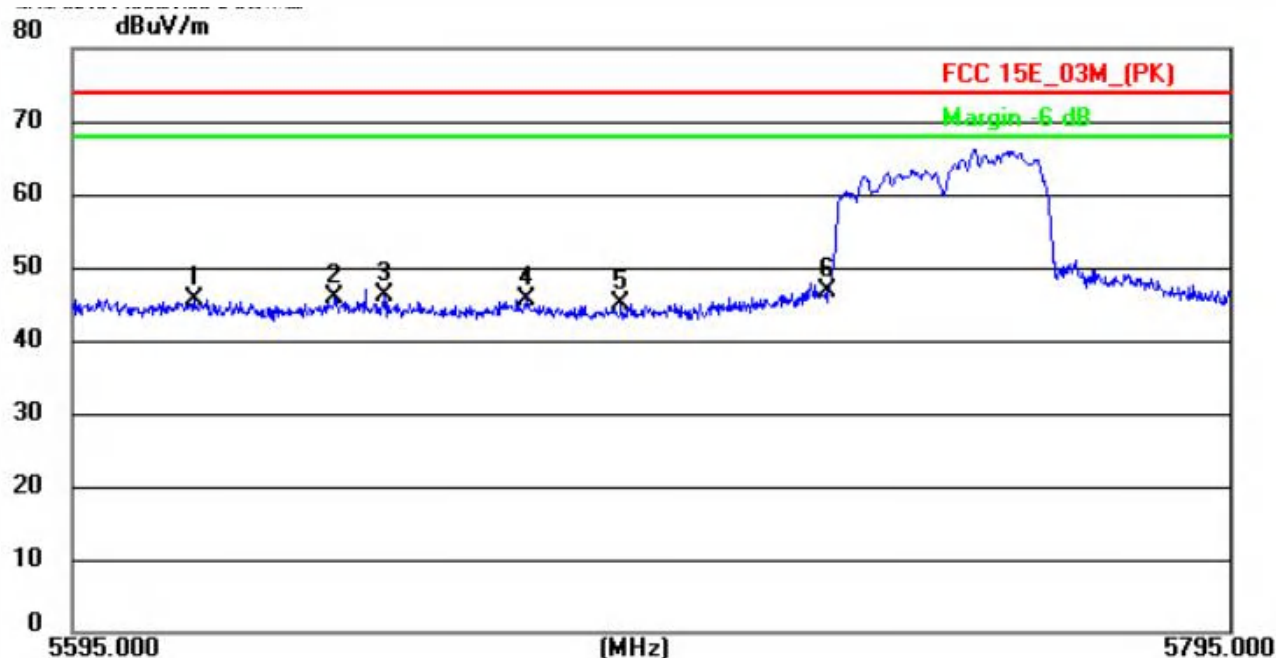


Temperature:	24.3°C	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n20-5825



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	51.77	-4.15	47.62	74.00	-26.38	peak
2 *	5885.6000	52.57	-4.01	48.56	74.00	-25.44	peak
3	5917.8000	49.88	-3.86	46.02	74.00	-27.98	peak
4	5943.0000	50.79	-3.76	47.03	74.00	-26.97	peak
5	5969.2000	51.23	-3.64	47.59	74.00	-26.41	peak
6	5989.2000	51.25	-3.55	47.70	74.00	-26.30	peak

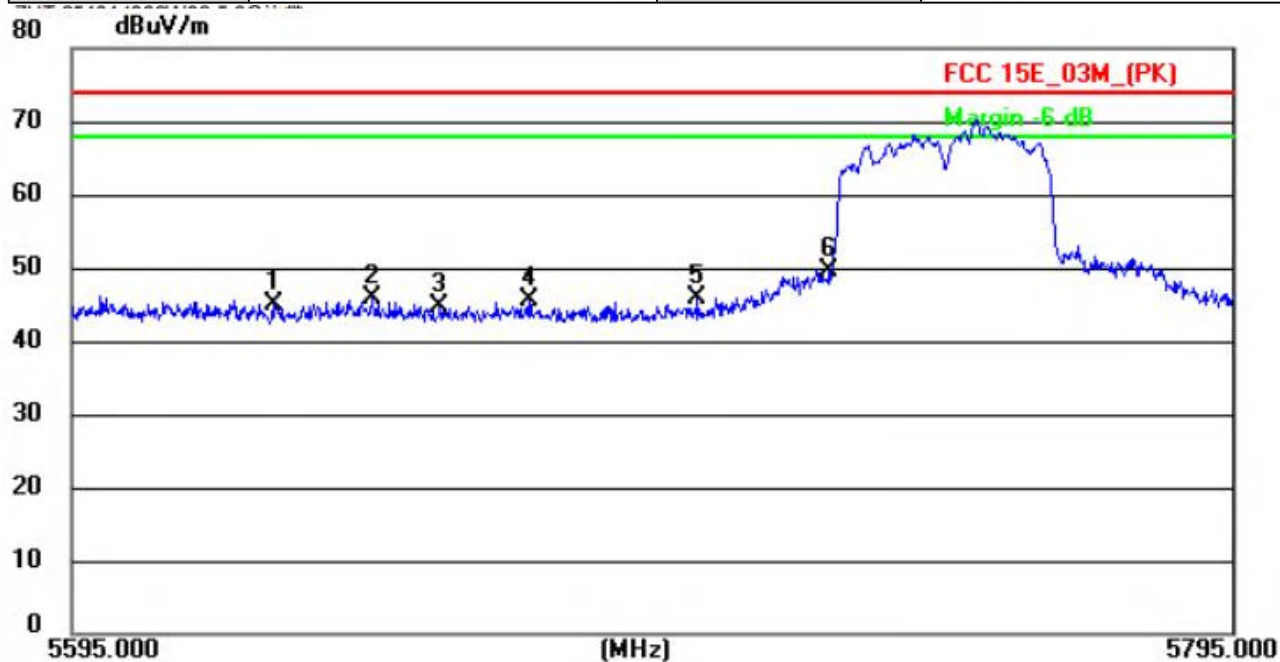
Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5755



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5616.0000	50.65	-5.16	45.49	74.00	-28.51	peak
2	5639.8000	50.87	-5.07	45.80	74.00	-28.20	peak
3	5648.4000	51.10	-5.03	46.07	74.00	-27.93	peak
4	5672.8000	50.62	-4.92	45.70	74.00	-28.30	peak
5	5689.0000	49.93	-4.85	45.08	74.00	-28.92	peak
6 *	5725.0000	51.52	-4.70	46.82	74.00	-27.18	peak

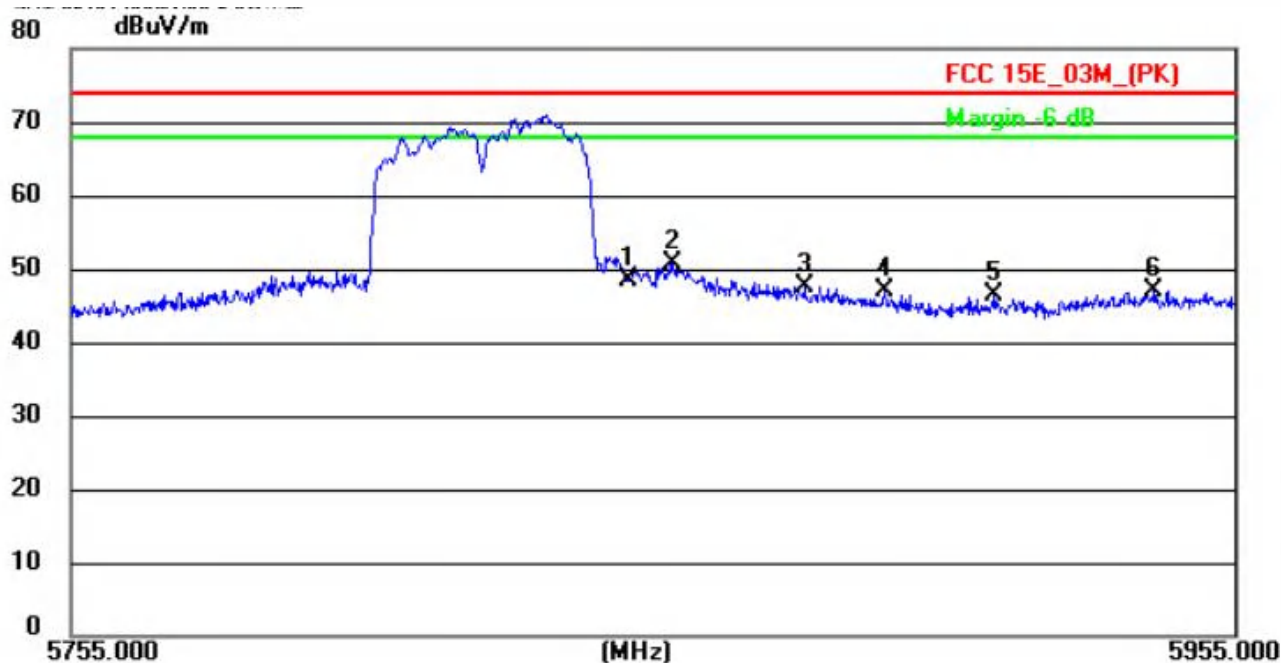


Temperature:	24.3°C	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5755



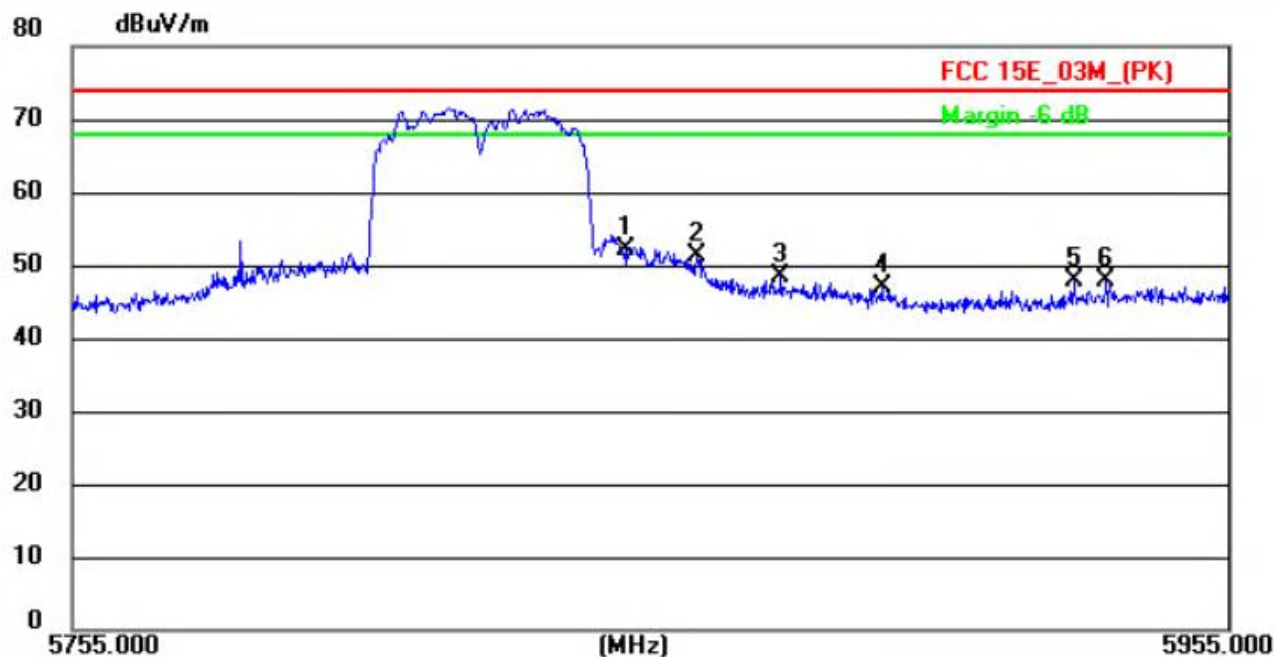
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5629.6000	50.15	-5.11	45.04	74.00	-28.96	peak
2	5646.2000	50.88	-5.04	45.84	74.00	-28.16	peak
3	5657.8000	49.82	-4.99	44.83	74.00	-29.17	peak
4	5673.2000	50.48	-4.92	45.56	74.00	-28.44	peak
5	5702.0000	50.73	-4.80	45.93	74.00	-28.07	peak
6 *	5725.0000	54.28	-4.70	49.58	74.00	-24.42	peak

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Horizontal
Test Voltage:	DC 12V	Test mode:	802.11n40-5795



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5850.0000	52.45	-4.15	48.30	74.00	-25.70	peak
2 *	5857.8000	54.89	-4.13	50.76	74.00	-23.24	peak
3	5880.4000	51.73	-4.02	47.71	74.00	-26.29	peak
4	5894.2000	51.11	-3.97	47.14	74.00	-26.86	peak
5	5913.2000	50.27	-3.89	46.38	74.00	-27.62	peak
6	5941.0000	50.68	-3.76	46.92	74.00	-27.08	peak

Temperature:	24.3℃	Relative Humidity:	56.5%
Pressure:	1014kPa	Polarization:	Vertical
Test Voltage:	DC 12V	Test mode:	802.11n40-5795



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5850.0000	56.19	-4.15	52.04	74.00	-21.96	peak
2	5862.4000	55.25	-4.10	51.15	74.00	-22.85	peak
3	5876.8000	52.57	-4.05	48.52	74.00	-25.48	peak
4	5894.6000	51.10	-3.97	47.13	74.00	-26.87	peak
5	5928.2000	51.64	-3.82	47.82	74.00	-26.18	peak
6	5933.8000	51.57	-3.80	47.77	74.00	-26.23	peak

Note:

1. Level = Read Level + Antenna Factor+ Cable loss- Preamp Factor.

2. This limit applies for using average detector, if the test result on peak is lower than average limit, then average measurement needn't be performed.

5. POWER SPECTRAL DENSITY TEST

5.1 APPLIED PROCEDURES / LIMIT

According to FCC §15.407(a)

Power limits:

(1) For the band 5.15-5.25 GHz.

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For client devices in the 5.15-5.25 GHz band, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW. For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

5.2 TEST PROCEDURE

For devices operating in the bands 5.15-5.25 GHz, 5.25-5.35 GHz, and 5.47-5.725 GHz, the above procedures make use of 1 MHz RBW to satisfy directly the 1 MHz reference bandwidth specified in § 15.407(a)(5). For devices operating in the band 5.725-5.85 GHz, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (i.e., 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or <500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10\log(500\text{kHz}/RBW)$ to the measured result, whereas RBW (< 500 KHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10\log(1\text{MHz}/RBW)$ to the measured result, whereas RBW (< 1 MHz) is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.

Note: As a practical matter, it is recommended to use reduced RBW of 100 KHz for the sections 5.c) and 5.d) above, since RBW=100 KHZ is available on nearly all spectrum analyzers.

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.



ZHONGHAN

5.6 TEST RESULTS

Project No.: ZHT-251014002W02-3

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Temperature :	24.7℃	Relative Humidity:	51.3%
Pressure :	1014kPa	Test Voltage :	DC 12 V
Test Mode :	TX		
5.2G(5180-5240MHz):	Please refer to the Appendix A.5 for 5G WIFI RF Test Data.		
5.8G(5745-5825 MHz):	Please refer to the Appendix B.5 for 5G WIFI RF Test Data.		

6. 26DB & 6DB & 99% EMISSION BANDWIDTH

6.1 APPLIED PROCEDURES / LIMIT

The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. If the device cannot be connected directly, alternative techniques acceptable to the Commission may be used. Measurements in the 5.725-5.85 GHz band, the minimum bandwidth 6 dB bandwidth of U-NII devices shall be at least 500KHz. Measurements in the 5.15-5.25 GHz, 5.25-5.35 GHz, and the 5.47-5.725 GHz bands are made over a bandwidth of 1 MHz or the 26 dB emission bandwidth of the device, whichever is less. A narrower resolution bandwidth can be used, provided that the measured power is integrated over the full reference bandwidth.

6.2 TEST PROCEDURE

- a) Set RBW = 100KHz.
- b) Set the VBW > RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) 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.

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.



6.3 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.4 TEST RESULTS

Temperature :		24.7℃	Relative Humidity:	51.3%
Pressure :		1014kPa	Test Voltage :	DC 12 V
Test Mode :		TX		
-26dB Bandwidth	5.2G(5180-5240MHz):	Please refer to the Appendix A.3 for 5G WIFI RF Test Data.		
-6dB Bandwidth	5.8G(5745-5825 MHz):	Please refer to the Appendix B.3 for 5G WIFI RF Test Data.		
99% Bandwidth	5.2G(5180-5240MHz):	Please refer to the Appendix A.4 for 5G WIFI RF Test Data.		
	5.8G(5745-5825 MHz):	Please refer to the Appendix B.4 for 5G WIFI RF Test Data.		

7. MAXIMUM CONDUCTED OUTPUT POWER

7.1 PLIED PROCEDURES / LIMIT

According to FCC §15.407,
The maximum conducted output power should not exceed:

Frequency Band(MHz)	Limit
5150~5250	250mW
5725~5850	1W

RSS-247 6.2.1.1, RSS-247 6.2.4.1

Frequency Band(MHz)	Limit
5150~5250	200mW
5725~5850	1W

Frequency band 5150-5250 MHz

According to RSS-247 section 6.2.1.1: For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement transmitter power control (TPC) in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

For other devices, the maximum e.i.r.p. shall not exceed 200 mW or $10 + 10 \log_{10} B$, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

Frequency band 5250-5350 MHz

According to RSS-247 section 6.2.2.1: For OEM devices installed in vehicles, the maximum e.i.r.p. shall not exceed 30 mW or $1.76 + 10 \log_{10} B$, dBm, whichever is less. Devices shall implement TPC in order to have the capability to operate at least 3 dB below the maximum permitted e.i.r.p. of 30 mW.

Devices, other than devices installed in vehicles, shall comply with the following:

The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band;

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Frequency bands 5470-5600 MHz and 5650-5725 MHz

According to RSS-247 section 6.2.3.1: The maximum conducted output power shall not exceed 250 mW or $11 + 10 \log_{10} B$, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or $17 + 10 \log_{10} B$, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Frequency bands 5725-5850 MHz

The maximum conducted output power shall not exceed 1 W. The output power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the output power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

7.2 TEST PROCEDURE

The EUT was directly connected to the Power meter

1. Device Configuration

If possible, configure or modify the operation of the EUT so that it transmits continuously at its maximum power control level (see section II.B.).

a) The intent is to test at 100 percent duty cycle; however a small reduction in duty cycle (to no lower than 98 percent) is permitted if required by the EUT for amplitude control purposes. Manufacturers are expected to provide software to the test lab to permit such continuous operation.

b) If continuous transmission (or at least 98 percent duty cycle) cannot be achieved due to hardware limitations (e.g., overheating), the EUT shall be operated at its maximum power control level with the transmit duration as long as possible and the duty cycle as high as possible.

2. Measurement using a Spectrum Analyzer or EMI Receiver (SA)

Measurement of maximum conducted output power using a spectrum analyzer requires integrating the spectrum across a frequency span that encompasses, at a minimum, either the EBW or the 99-percent occupied bandwidth of the signal.¹ However, the EBW must be used to determine bandwidth dependent limits on maximum conducted output power in accordance with § 15.407(a).

a) The test method shall be selected as follows: (i) Method SA-1 or SA-1 Alternative (averaging with the EUT transmitting at full power throughout each sweep) shall be applied if either of the following conditions can be satisfied:

- The EUT transmits continuously (or with a duty cycle ≥ 98 percent).
- Sweep triggering or gating can be implemented in a way that the device transmits at the maximum power control level throughout the duration of each of the instrument sweeps to be averaged. This condition can generally be achieved by triggering the instrument's sweep if the duration of the sweep (with the analyzer configured as in Method SA-1, below) is equal to or shorter than the duration T of each transmission from the EUT and if those transmissions exhibit full power throughout their durations.

(ii) Method SA-2 or SA-2 Alternative (averaging across on and off times of the EUT transmissions, followed by duty cycle correction) shall be applied if the conditions of (i) cannot be achieved and the transmissions exhibit a constant duty cycle during the measurement duration. Duty cycle will be considered to be constant if variations are less than ± 2 percent.

(iii) Method SA-3 (RMS detection with max hold) or SA-3 Alternative (reduced VBW with max hold) shall be applied if the conditions of (i) and (ii) cannot be achieved.

b) Method SA-1 (trace averaging with the EUT transmitting at full power throughout each sweep): (i) Set span to encompass the entire emission bandwidth (EBW) (or, alternatively, the entire 99% occupied bandwidth) of the signal.

(ii) Set RBW = 1 MHz.

(iii) Set VBW ≥ 3 MHz.

(iv) Number of points in sweep ≥ 2 Span / RBW. (This ensures that bin-to-bin spacing is $\leq$ RBW/2, so that narrowband signals are not lost between frequency bins.)

(v) Sweep time = auto.

(vi) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.

(vii) If transmit duty cycle < 98 percent, use a video trigger with the trigger level set to enable triggering only on full power pulses. Transmitter must operate at maximum power control level for the entire duration of every sweep. If the EUT transmits continuously (i.e., with no off intervals) or at duty cycle ≥ 98 percent, and if each transmission is entirely at the maximum power control level, then the trigger shall be set to "free run".

(viii) Trace average at least 100 traces in power averaging (i.e., RMS) mode.

(ix) Compute power by integrating the spectrum across the EBW (or, alternatively, the entire 99% occupied bandwidth) of the signal using the instrument's band power measurement function with band limits set equal to the EBW (or occupied bandwidth) band edges. If the instrument does not have a band power function, sum the spectrum

7.3 DEVIATION FROM STANDARD

No deviation.



7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

7.6 TEST RESULTS

Temperature :	24.7℃	Relative Humidity:	51.3%
Pressure :	1014kPa	Test Voltage :	DC 12 V
Test Mode :	TX		
5.2G (5180-5240MHz) :	Please refer to the Appendix A.2 for 5G WIFI RF Test Data.		
5.8G(5745-5825 MHz):	Please refer to the Appendix B.2 for 5G WIFI RF Test Data.		

8.OUT OF BAND EMISSIONS

8.1 APPLICABLE STANDARD

According to FCC §15.407(b), RSS-247 6.2.1.2, RSS-247 6.2.4.2

Undesirable emission limits. Except as shown in paragraph (b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

(1) For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

According to RSS-247 section 6.2.1.2: For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250- 5350 MHz band.

8.2 TEST PROCEDURE

1. Check the calibration of the measuring instrument using either an internal calibrator or a known signal from an external generator.
2. Position the EUT without connection to measurement instrument. Turn on the EUT and connect its antenna terminal to measurement instrument via a low loss cable. Then set it to any one measured frequency within its operating range, and make sure the instrument is operated in its linear range.
3. Set RBW of spectrum analyzer to 1 MHz with a convenient frequency span.
4. Measure the highest amplitude appearing on spectral display and set it as a reference level. Plot the graph with marking the highest point and edge frequency.
5. Repeat above procedures until all measured frequencies were complete.

8.3 DEVIATION FROM STANDARD

No deviation.

8.4 TEST SETUP



8.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

8.6 TEST RESULTS

Temperature :	24.7℃	Relative Humidity:	51.3%
Pressure :	1014kPa	Test Voltage :	DC 12 V
Test Mode :	TX		
5.2G (5180-5240MHz):	Please refer to the Appendix A.6 for 5G WIFI RF Test Data.		
5.8G(5745-5825 MHz):	Please refer to the Appendix B.6 for 5G WIFI RF Test Data.		

9.SPURIOUS RF CONDUCTED EMISSIONS

9.1 CONFORMANCE LIMIT

Refer to 15.407(b):

Except as shown in paragraph 15.407(b)(7) of this section, the maximum emissions outside of the frequency bands of operation shall be attenuated in accordance with the following limits:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

Refer to RSS-247/6.2.1.2:

For transmitters with operating frequencies in the band 5150-5250 MHz, all emissions outside the band 5150-5350 MHz shall not exceed -27 dBm/MHz e.i.r.p. Any unwanted emissions that fall into the band 5250-5350 MHz shall be attenuated below the channel power by at least 26 dB, when measured using a resolution bandwidth between 1 and 5% of the occupied bandwidth (i.e. 99% bandwidth), above 5250 MHz. The 26 dB bandwidth may fall into the 5250-5350 MHz band; however, if the occupied bandwidth also falls within the 5250-5350 MHz band, the transmission is considered as intentional and the devices shall comply with all requirements in the band 5250-5350 MHz including implementing dynamic frequency selection (DFS) and TPC, on the portion of the emission that resides in the 5250-5350 MHz band.

Devices operating in the band 5725-5850 MHz shall have e.i.r.p. of unwanted emissions comply with the following:

- a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

9.2 MEASURING INSTRUMENTS

The Measuring equipment is listed in the section 6.3 of this test report.

9.3 TEST SETUP



9.4 TEST PROCEDURE

The Spurious RF conducted emissions compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10-2020 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW=100kHz and VBW= 300KHz to measure the peak field strength, and measure frequency range from 30MHz to 1GHz. Set RBW=1MHz and VBW= 3MHz to measure the peak field strength, and measure frequency range from 1GHz to 40GHz.



Temperature :	24.7℃	Relative Humidity:	51.3%
Pressure :	1014kPa	Test Voltage :	DC 12 V
Test Mode :	TX		
5.2G (5180-5240MHz):	Please refer to the Appendix A.8 for 5G WIFI RF Test Data.		
5.8G(5745-5825 MHz):	Please refer to the Appendix B.8 for 5G WIFI RF Test Data.		

Remark1: The measurement frequency range is from 30MHz to the 10th harmonic or 40G of the fundamental frequency. The lowest, middle and highest channels are tested to verify the spurious emissions and bandedge measurement data.

Remark2: 26.5G to 40G is the background, so it does not show the data.

10.FREQUENCY STABILITY MEASUREMENT

10.1 LIMIT

Manufactures of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

According to RSS-247 "Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual." According to RSS-Gen "The frequency stability shall be measured with variation of ambient temperature as follows:" (1) From -30° to + 50° centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section. (2) From -20° to + 50° centigrade for equipment to be licensed for use in the Maritime Services under part 80 of this chapter, except for Class A, B, and S Emergency Position Indicating Radiobeacons (EPIRBS), and equipment to be licensed for use above 952 MHz at operational fixed stations in all services, stations in the Local Television Transmission Service and Point-to-Point Microwave Radio Service under part 21 of this chapter, equipment licensed for use aboard aircraft in the Aviation Services under part 87 of this chapter, and equipment authorized for use in the Family Radio Service under part 95 of this chapter. (3) From 0° to + 50° centigrade for equipment to be licensed for use in the Radio Broadcast Services under part 73 of this chapter.

10.2 TEST PROCEDURES

1. The transmitter output (antenna port) was connected to the spectrum analyzer.
2. EUT have transmitted absence of modulation signal and fixed channelize.
3. Set the spectrum analyzer span to view the entire absence of modulation emissions bandwidth.
4. Set RBW = 10 kHz, VBW = 10 kHz with peak detector and maxhold settings.
5. f_c is declaring of channel frequency. Then the frequency error formula is $(f_c-f)/f_c \times 106$ ppm and the limit is less than ± 20 ppm (IEEE 802.11nspecification).
6. The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value
7. Extreme temperature is -20°C~60°C.

10.3 TEST SETUP LAYOUT



10.4 EUT OPERATION DURING TEST

The EUT was programmed to be in continuously un-modulation transmitting mode.

10.5 TEST RESULTS

Temperature :	24.7℃	Relative Humidity:	51.3%
Pressure :	1014kPa	Test Voltage :	DC 12 V
Test Mode :	TX		
5.2G (5180-5240MHz):	Please refer to the Appendix A.7 for 5G WIFI RF Test Data.		
5.8G(5745-5825 MHz):	Please refer to the Appendix B.7 for 5G WIFI RF Test Data.		

11.ANTENNA REQUIREMENT

Standard requirement:	FCC Part15 C Section 15.203, RSS-247 6.8
15.203 requirement: 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. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. The applicant for equipment certification, as per RSP-100, must provide a list of all antenna types that may be used with the licence-exempt transmitter, indicating the maximum permissible antenna gain (in dBi) and the required impedance for each antenna. Licence-exempt transmitters that have received equipment certification may operate with different types of antennas. However, it is not permissible to exceed the maximum equivalent isotropically radiated power (EIRP) limits specified in the applicable standard (RSS) for the licence-exempt apparatus. Testing shall be performed using the highest gain antenna of each combination of licence-exempt transmitter and antenna type, with the transmitter output power set at the maximum level.⁹ When a measurement at the antenna connector is used to determine RF output power, the effective gain of the device's antenna shall be stated, based on a measurement or on data from the antenna manufacturer.	
EUT Antenna:	
The antenna is FPC Antenna, the best case gain of the antenna is 5180-5240MHz: 4.45dBi, 5745-5825 MHz: 4.45dBi, reference to the appendix II for details.	



12. TEST SETUP PHOTO

Reference to the appendix I for details.

13. EUT CONSTRUCTIONAL DETAILS

Reference to the appendix II for details.

***** END OF REPORT *****