

FCC ID: GKR436415
Report No.: T210730W08-RP3

IC: 2533B-436415

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Rev.: 00

RADIO TEST REPORT

FCC 47 CFR PART 15 SUBPART C

INDUSTRY CANADA RSS-247

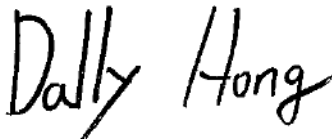
Test Standard	FCC Part 15.247 RSS-247 issue 2 and RSS-GEN issue 5
Product name	Tablet
Brand Name	ICON/iFit
Model No.	MP27-ARGON2-C
Test Result	Pass
Statements of Conformity	Determination of compliance is based on the results of the compliance measurement, not taking into account measurement instrumentation uncertainty.

The test Result was tested by Compliance Certification Services Inc. The test data, data evaluation, test procedures, and equipment configurations shown in this report were given in ANSI C63.10: 2013 and compliance standards.

The test results of this report relate only to the tested sample (EUT) identified in this report.

The test Report of full or partial shall not copy. Without written approval of Compliance Certification Services Inc. (Wugu Laboratory).

Approved by:



Dally Hong
Sr. Engineer

Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

除非另有說明，此報告結果僅對測試之樣品負責，同時此樣品僅保留90天。本報告未經本公司書面許可，不可部份複製。

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Revision History

Rev.	Issue Date	Revisions	Effect Page	Revised By
00	January 7, 2022	Initial Issue	ALL	Doris Chu

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1. GENERAL INFORMATION

1.1 EUT INFORMATION

Applicant	For FCC Compal Electronics Inc No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei city, 11492 Taiwan For IC COMPAL ELECTRONICS INC. No. 581 & 581-1, Ruiguang Rd., Neihu District Taipei R.O.C. 114 Taiwan
Manufacturer	Compal Electronics Inc No.581 & 581-1, Ruiguang Rd., Neihu District, Taipei city, 11492 Taiwan
Equipment	Tablet
Model No.	MP27-ARGON2-C
Model Discrepancy	N/A
Trade Name	ICON/iFit
Received Date	July 30, 2021
Date of Test	December 6 ~ 22, 2021
Power Supply	Power from DC 12V.
HW Version	LA-M101P
SW Version	Android 9
EUT Serial #	PP54D301699

Remark:

- For more details, please refer to the User's manual of the EUT.
- Disclaimer: Antenna information is provided by the applicant, test results of this report are applicable to the sample EUT received.

1.2 EUT CHANNEL INFORMATION

Frequency Range	802.11b/g/n HT 20: 2412MHz ~ 2462MHz
Modulation Type	1. IEEE 802.11b mode: CCK 2. IEEE 802.11g mode: OFDM 3. IEEE 802.11n HT 20 MHz mode : OFDM
Number of channels	1. IEEE 802.11b mode: 11 Channels 2. IEEE 802.11g mode: 11 Channels 3. IEEE 802.11n HT 20 MHz mode : 11 Channels

Remark:

Refer as ANSI C63.10: 2013 clause 5.6.1 Table 4 and RSS-GEN Table A1 for test channels

Number of frequencies to be tested		
Frequency range in which device operates	Number of frequencies	Location in frequency range of operation
☐ 1 MHz or less	1	Middle
☐ 1 MHz to 10 MHz	2	1 near top and 1 near bottom
☒ More than 10 MHz	3	1 near top, 1 near middle, and 1 near bottom

1.3 ANTENNA INFORMATION

Antenna Type	☐ PIFA ☒ PCB ☐ Dipole ☐ Coils
Antenna Gain	Gain :4.32 dBi
Antenna Connector	N/A

Remark:

1.The antenna(s) of the EUT are permanently attached and there are no provisions for connection to an external antenna. So the EUT complies with the requirements of §15.203 and RSS-Gen 6.8.

1.4 MEASUREMENT UNCERTAINTY

PARAMETER	UNCERTAINTY
AC Powerline Conducted Emission	+/- 1.2575
Emission bandwidth, 6dB bandwidth	+/- 0.0014
RF output power, conducted	+/- 1.14
Power density, conducted	+/- 1.40
3M Semi Anechoic Chamber / 30 MHz ~1 GHz (Horizontally)	+/- 3.91
3M Semi Anechoic Chamber / 30 MHz ~1 GHz (Vertically)	+/- 4.57
3M Semi Anechoic Chamber / 1 GHz ~ 6 GHz	+/- 5.20
3M Semi Anechoic Chamber / 6 GHz ~ 18 GHz	+/- 5.18
3M Semi Anechoic Chamber / 18 GHz ~ 40 GHz	+/- 3.68
3M Semi Anechoic Chamber / 40 GHz ~ 60 GHz	+/- 4.64
3M Semi Anechoic Chamber / 60 GHz ~ 75 GHz	+/- 4.64
3M Semi Anechoic Chamber / 75 GHz ~ 110 GHz	+/- 4.65
3M Semi Anechoic Chamber / 110 GHz ~ 170 GHz	+/- 4.69
3M Semi Anechoic Chamber / 170 GHz ~ 220 GHz	+/- 5.31
3M Semi Anechoic Chamber / 220 GHz ~ 325 GHz	+/- 5.73

Remark:

- 1.This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2
2. ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report.

1.5 FACILITIES AND TEST LOCATION

All measurement facilities used to collect the measurement data are located at

No.11, Wugong 6th Rd., Wugu Dist., New Taipei City, Taiwan. (R.O.C.)

CAB identifier: TW1309

Test site	Test Engineer	Remark
AC Conduction Room	-	Not applicable, because EUT doesn't connect to AC Main Source direct.
Radiation	Ray Li	-
RF Conducted	Lance Chen	-

Remark: The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC public Access Link (PAL) database, FCC Registration No. :444940, the FCC Designation No.:TW1309

1.6 INSTRUMENT CALIBRATION

RF Conducted Test Site					
Name of Equipment	Manufacturer	Model	Serial Number	Calibration Date	Calibration Due
Coaxial Cable	Woken	WC12	CC003	06/28/2021	06/27/2022
Coaxial Cable	Woken	WC12	CC001	06/28/2021	06/27/2022
Power Meter	Anritsu	ML2487A	6K00003260	05/24/2021	05/23/2022
Power Sensor	Anritsu	MA2490A	032910	05/24/2021	05/23/2022
EXA Signal Analyzer	KEYSIGHT	N9010B	MY55460167	09/07/2021	09/06/2022
Software	Radio Test Software Ver. 21				

3M 966 Chamber Test Site (1GHz ~ 18GHz)					
Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal Due
Bilog Antenna	Sunol Sciences	JB3	A030105	07/19/2021	07/18/2022
Coaxial Cable	HUBER SUHNER	SUCOFLEX 104PEA	20995	02/24/2021	02/23/2022
Coaxial Cable	EMCI	EMC105	190914+1111	09/17/2021	09/16/2022
Digital Thermo-Hygro Meter	WISEWIND	1206	D07	01/06/2021	01/05/2022
Band Reject Filters	MICRO TRONICS	BRM 50702	112	11/23/2021	11/22/2022
Horn Antenna	ETS LINDGREN	3117	00055165	07/29/2021	07/28/2022
Loop Ant	COM-POWER	AL-130	121051	04/07/2021	04/06/2022
Pre-Amplifier	EMEC	EM330	060609	02/24/2021	02/23/2022
Pre-Amplifier	HP	8449B	3008A00965	12/25/2020	12/24/2021
PSA Series Spectrum Analyzer	Agilent	E4446A	MY46180323	12/06/2021	12/05/2022
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Software	e3 6.11-20180413				

Remark: Each piece of equipment is scheduled for calibration once a year.

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3M 966 Chamber Test Site (Above 18GHz)					
Equipment	Manufacturer	Model	Serial Number	Cal Date	Cal Due
Coaxial Cable	Woken	J-1099	201709090004	12/21/2021	12/20/2022
Digital Thermo-Hygro Meter	WISEWIND	1206	D07	01/06/2021	01/05/2022
Band Reject Filters	MICRO TRONICS	BRM 50702	112	11/23/2021	11/22/2022
Horn Antenna	ETS LINDGREN	3116	00026370	11/30/2021	11/29/2022
K Type Cable	Huber+Suhner	SUCOFLEX 102	29406/2	12/05/2021	12/04/2022
Pre-Amplifier	MITEQ	AMF-6F-18004000-37-8P	985646	09/08/2021	09/07/2022
PSA Series Spectrum Analyzer	Agilent	E4446A	MY46180323	12/06/2021	12/05/2022
Antenna Tower	CCS	CC-A-1F	N/A	N.C.R	N.C.R
Controller	CCS	CC-C-1F	N/A	N.C.R	N.C.R
Turn Table	CCS	CC-T-1F	N/A	N.C.R	N.C.R
Software	e3 6.11-20180413				

1.7 SUPPORT AND EUT ACCESSORIES EQUIPMENT

EUT Accessories Equipment					
No.	Equipment	Brand	Model	Series No.	FCC ID
	N/A				

Support Equipment						
No.	Equipment	Brand	Model	Series No.	FCC ID	IC
1	NB(J)	TOSHIBA	PT345T-00L002	N/A	PD97260H	1000M-7260H
2	Adapter	WEIHAI	HAS060123-EA	N/A	N/A	N/A

1.8 TEST METHODOLOGY AND APPLIED STANDARDS

The test methodology, setups and results comply with all requirements in accordance with ANSI C63.10:2013, FCC Part 2, FCC Part 15.247, RSS-247 Issue 2 and RSS-GEN Issue 5.

2. TEST SUMMARY

FCC Standard Section	IC Standard Section	Report Section	Test Item	Result
15.203	RSS-Gen 6.8	1.3	Antenna Requirement	Pass
15.207(a)	RSS-GEN 8.8	4.1	AC Conducted Emission	N/A
15.247(a)(2)	RSS-247(5.2)(a)	4.2	6 dB Bandwidth	Pass
-	RSS-GEN 6.7	4.2	Occupied Bandwidth (99%)	Pass
15.247(b)(3)	RSS-247(5.4)(d)	4.3	Output Power Measurement	Pass
15.247(e)	RSS-247(5.2)(b)	4.4	Power Spectral Density	Pass
15.247(d)	RSS-247(5.5)	4.5	Conducted Band Edge	Pass
15.247(d)	RSS-247(5.5)	4.5	Conducted Emission	Pass
15.247(d)	RSS-GEN 8.9, 8.10	4.6	Radiation Band Edge	Pass
15.247(d)	RSS-GEN 8.9, 8.10	4.6	Radiation Spurious Emission	Pass

3. DESCRIPTION OF TEST MODES

3.1 THE WORST MODE OF OPERATING CONDITION

Operation mode	IEEE 802.11b mode :1Mbps IEEE 802.11g mode :6Mbps IEEE 802.11n HT20 mode :MCS8
Test Channel Frequencies	IEEE 802.11b mode : 1. Lowest Channel : 2412MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2462MHz IEEE 802.11g mode : 1. Lowest Channel : 2412MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2462MHz IEEE 802.11n HT20 mode : 1. Lowest Channel : 2412MHz 2. Middle Channel : 2437MHz 3. Highest Channel : 2462MHz
Operation Transmitter	IEEE 802.11b mode : 1T1R IEEE 802.11g mode : 1T1R IEEE 802.11n HT20 mode : 1T1R

Remark:

1. EUT pre-scanned data rate of output power for each mode, the worst data rate were recorded in this report.

3.2 THE WORST MODE OF MEASUREMENT

Radiated Emission Measurement Above 1G	
Test Condition	Radiated Emission Above 1G
Power supply Mode	Mode 1: EUT power by 12Vdc
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4
Worst Position	☐ Placed in fixed position. ☐ Placed in fixed position at X-Plane (E2-Plane) ☒ Placed in fixed position at Y-Plane (E1-Plane) ☐ Placed in fixed position at Z-Plane (H-Plane)

Radiated Emission Measurement Below 1G	
Test Condition	Radiated Emission Below 1G
Power supply Mode	Mode 1: EUT power by 12Vdc
Worst Mode	☒ Mode 1 ☐ Mode 2 ☐ Mode 3 ☐ Mode 4

Remark:

1. The worst mode was record in this test report.
2. EUT pre-scanned in three axis ,X,Y, Z and two polarity, for radiated measurement. The worst case(Y-Plane) were recorded in this report

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3.3 EUT DUTY CYCLE

Temperature: 20.8°C

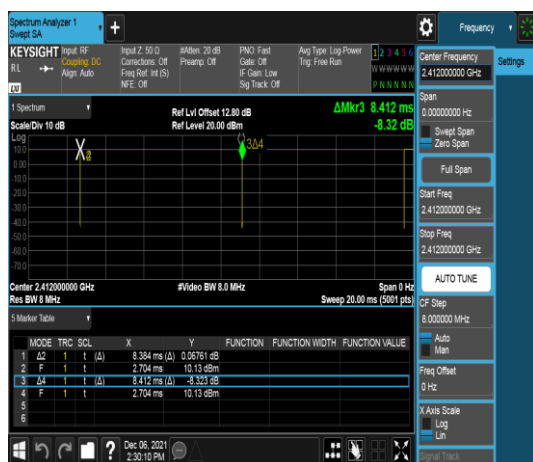
Humidity: 60% RH

Tested by: Lance Chen

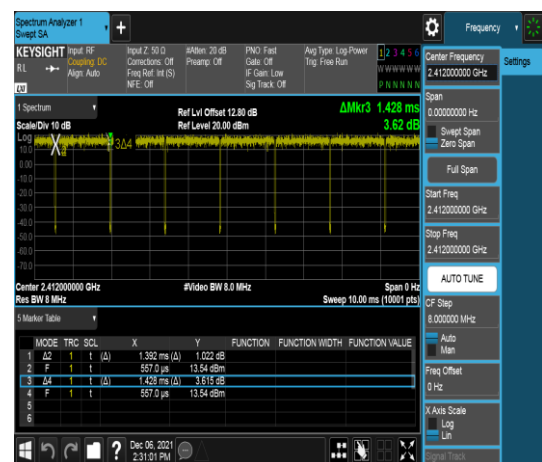
Test date: December 6, 2021

Duty Cycle				
Configuration	Duty Cycle (%)	Duty Factor (dB) $=10 \cdot \log(1/\text{Duty Cycle})$	1/T (kHz)	VBW setting (kHz)
802.11b	99.67	0.01	0.12	0.01
802.11g	97.48	0.11	0.72	1.00
802.11n HT20	97.31	0.12	0.77	1.00

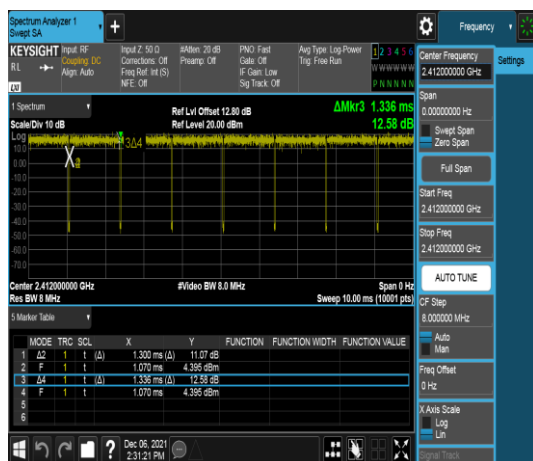
802.11b



802.11g



802.11n HT20



4. TEST RESULT

4.1 AC POWER LINE CONDUCTED EMISSION

4.1.1 Test Limit

According to §15.207(a)(2) and RSS-GEN section 8.8,

Frequency Range (MHz)	Limits(dBμV)	
	Quasi-peak	Average
0.15 to 0.50	66 to 56*	56 to 46*
0.50 to 5	56	46
5 to 30	60	50

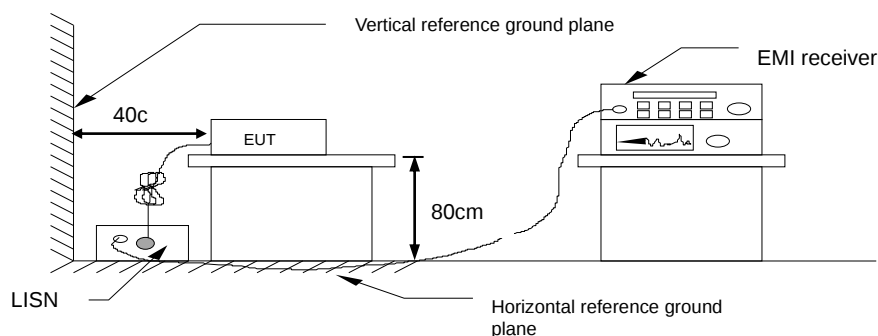
* Decreases with the logarithm of the frequency.

4.1.2 Test Procedure

Test method Refer as ANSI C63.10: 2013 clause 6.2,

1. The EUT was placed on a non-conducted table, which is 0.8m above horizontal ground plane and 0.4m above vertical ground plane.
2. EUT connected to the line impedance stabilization network (LISN)
3. Receiver set RBW of 9kHz and Detector Peak, and note as quasi-peak and average.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. Recorded Line for Neutral and Line.

4.1.3 Test Setup



4.1.4 Test Result

Not applicable, because EUT doesn't connect to AC Main Source direct.

4.2 6DB BANDWIDTH AND OCCUPIED BANDWIDTH (99%)

4.2.1 Test Limit

According to §15.247(a)(2) and RSS-247 section 5.2(a),

6 dB Bandwidth :

Limit	Shall be at least 500kHz
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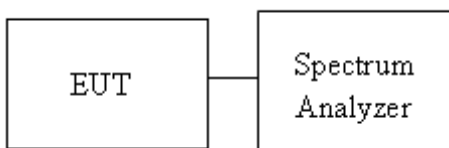
Occupied Bandwidth(99%) : For reporting purposes only.

4.2.2 Test Procedure

Test method Refer as ANSI C63.10: 2013,

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 100kHz, VBW = 300kHz and Detector = Peak, to measurement 6 dB Bandwidth.
4. SA set RBW = 1% ~ 5% OBW, VBW = three times the RBW and Detector = Peak, to measurement 99% Bandwidth
5. Measure and record the result of 6 dB Bandwidth and 99% Bandwidth. in the test report.

4.2.3 Test Setup



4.2.4 Test Result

Temperature: 20.8°C

Humidity: 60% RH

Tested by: Lance Chen

Test date: December 6, 2021

Test mode: IEEE 802.11b mode / 2412-2462 MHz				
Channel	Frequency (MHz)	OBW(99%) (MHz)	6dB BW (MHz)	6dB limit (kHz)
Low	2412	12.362	9.5750	≥500
Mid	2437	12.419	9.5430	
High	2462	12.445	9.5780	

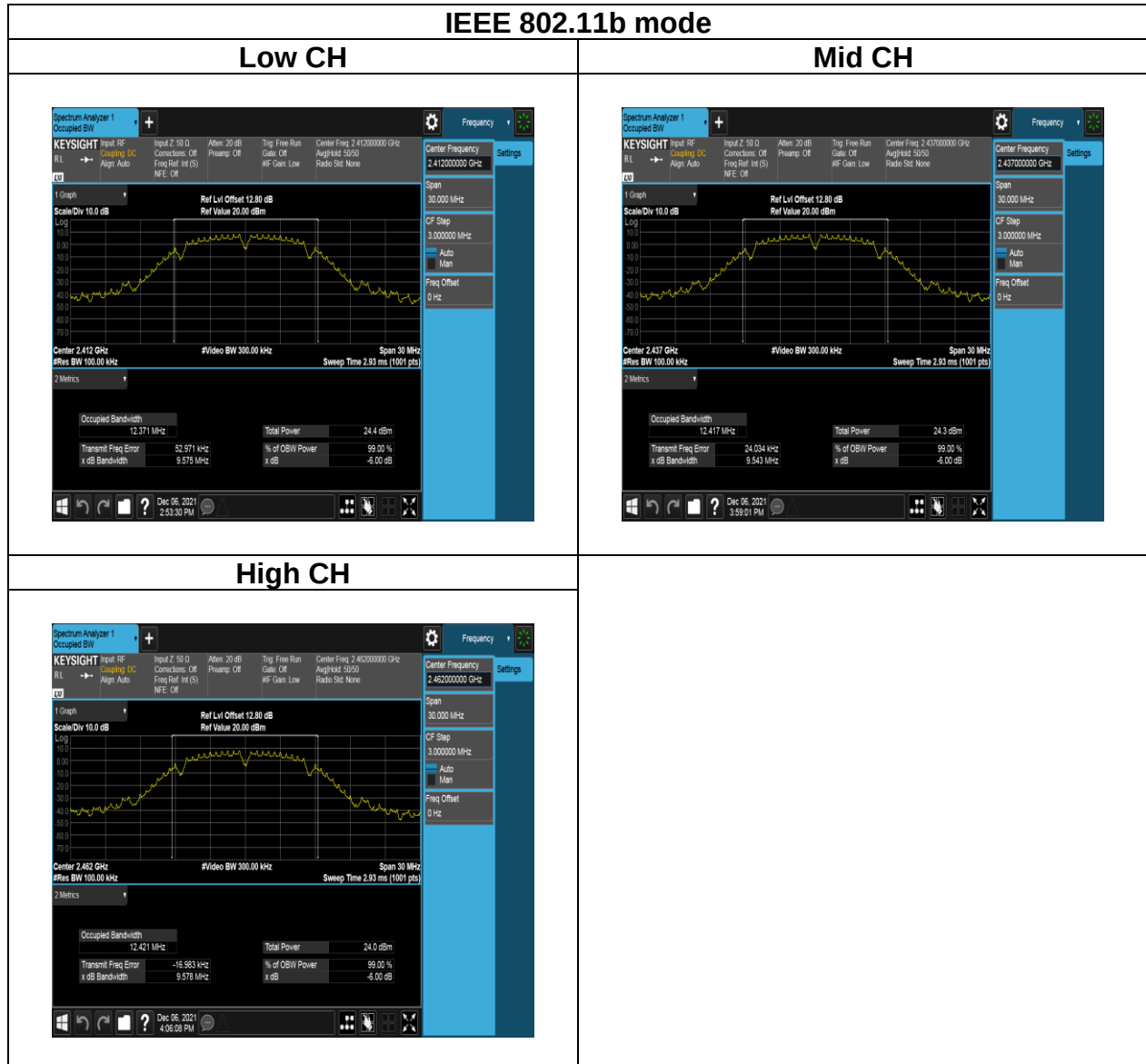
Test mode: IEEE 802.11g mode / 2412-2462 MHz				
Channel	Frequency (MHz)	OBW(99%) (MHz)	6dB BW (MHz)	6dB limit (kHz)
Low	2412	16.836	15.1600	≥500
Mid	2437	16.989	15.1600	
High	2462	16.958	15.1600	

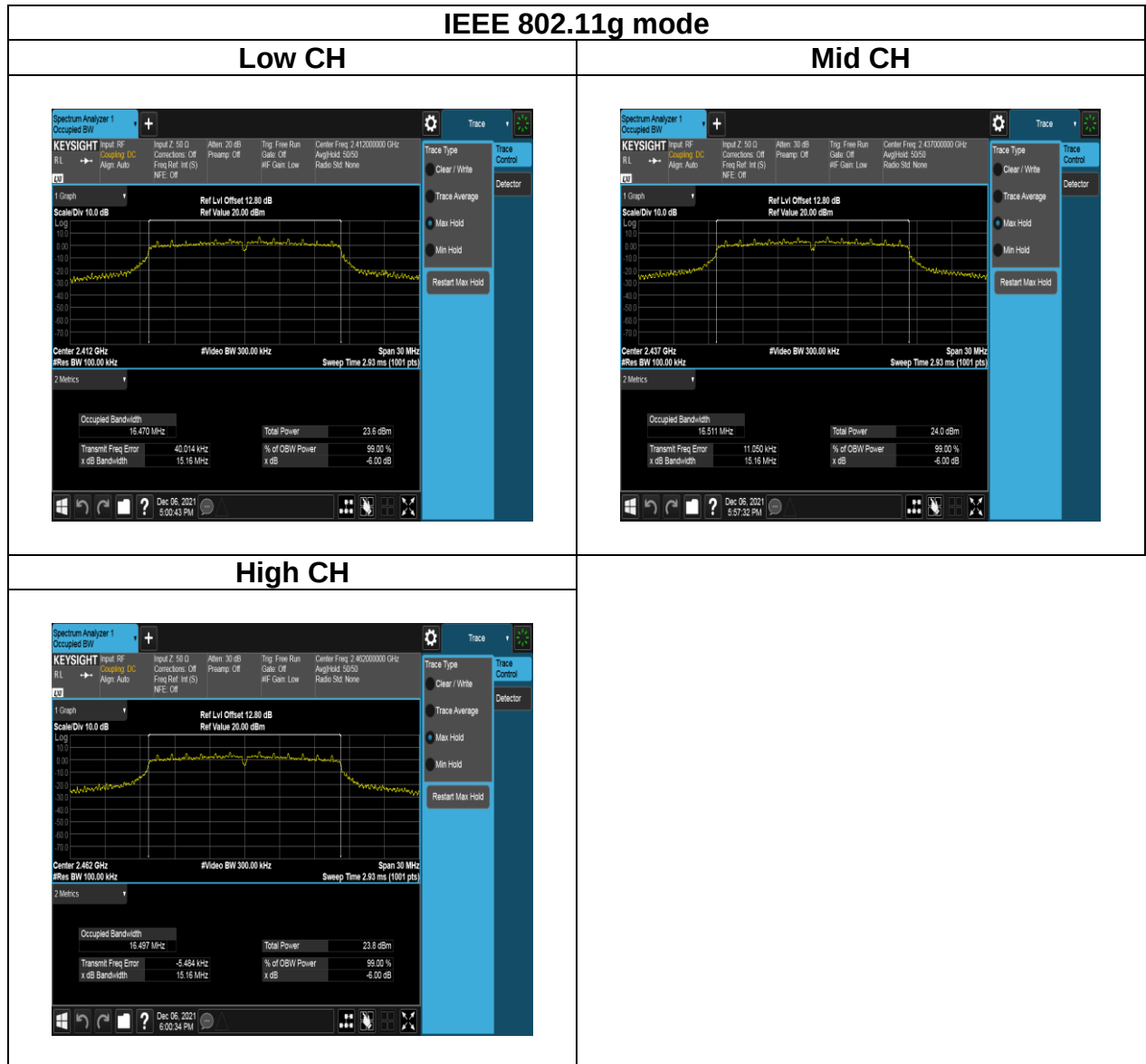
Test mode: IEEE 802.11n HT 20 MHz mode / 2412-2462 MHz				
Channel	Frequency (MHz)	OBW(99%) (MHz)	6dB BW (MHz)	6dB limit (kHz)
Low	2412	17.839	15.1700	≥500
Mid	2437	17.882	15.1600	
High	2462	17.871	15.1600	

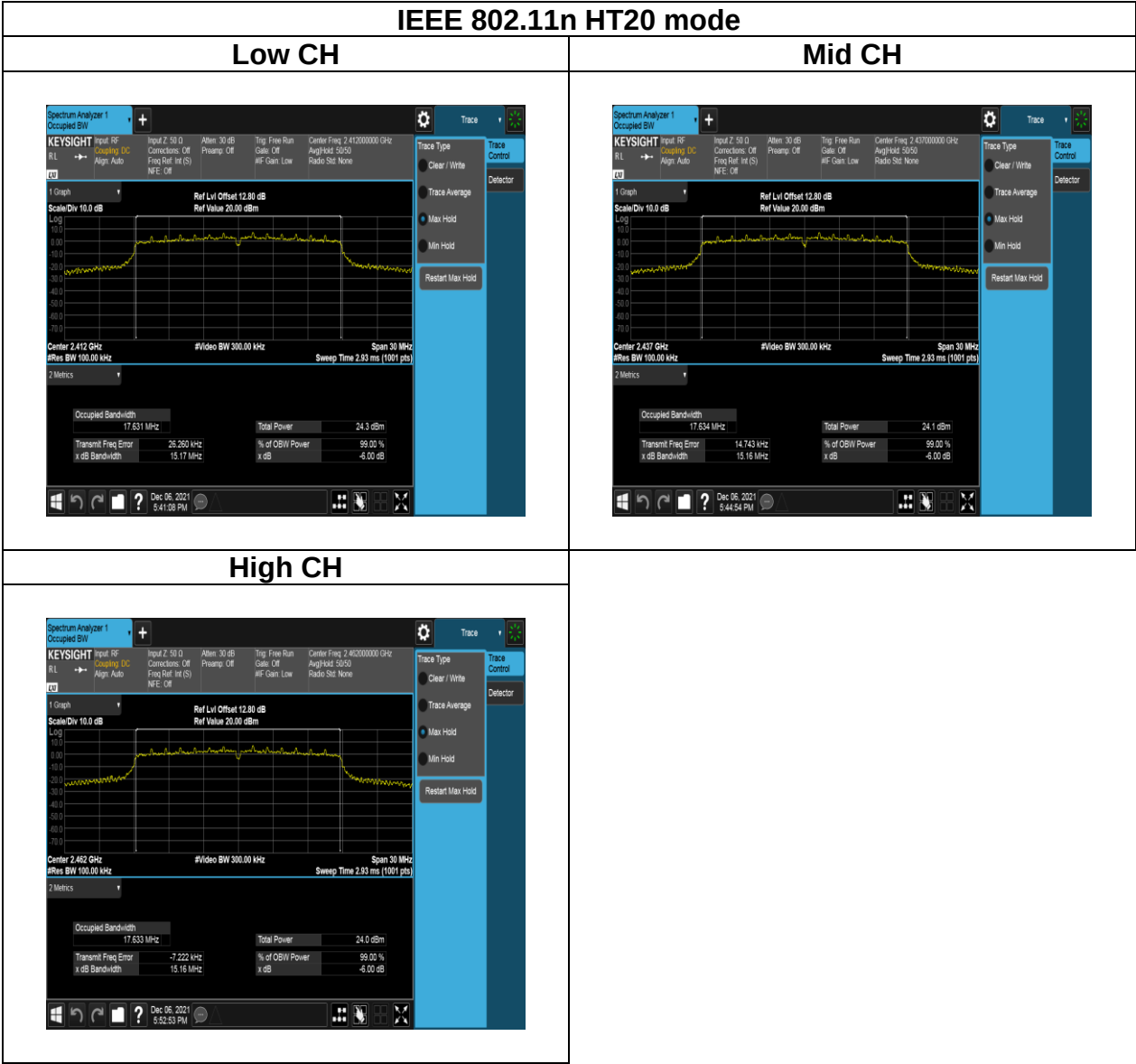
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Test Data

6dB BANDWIDTH



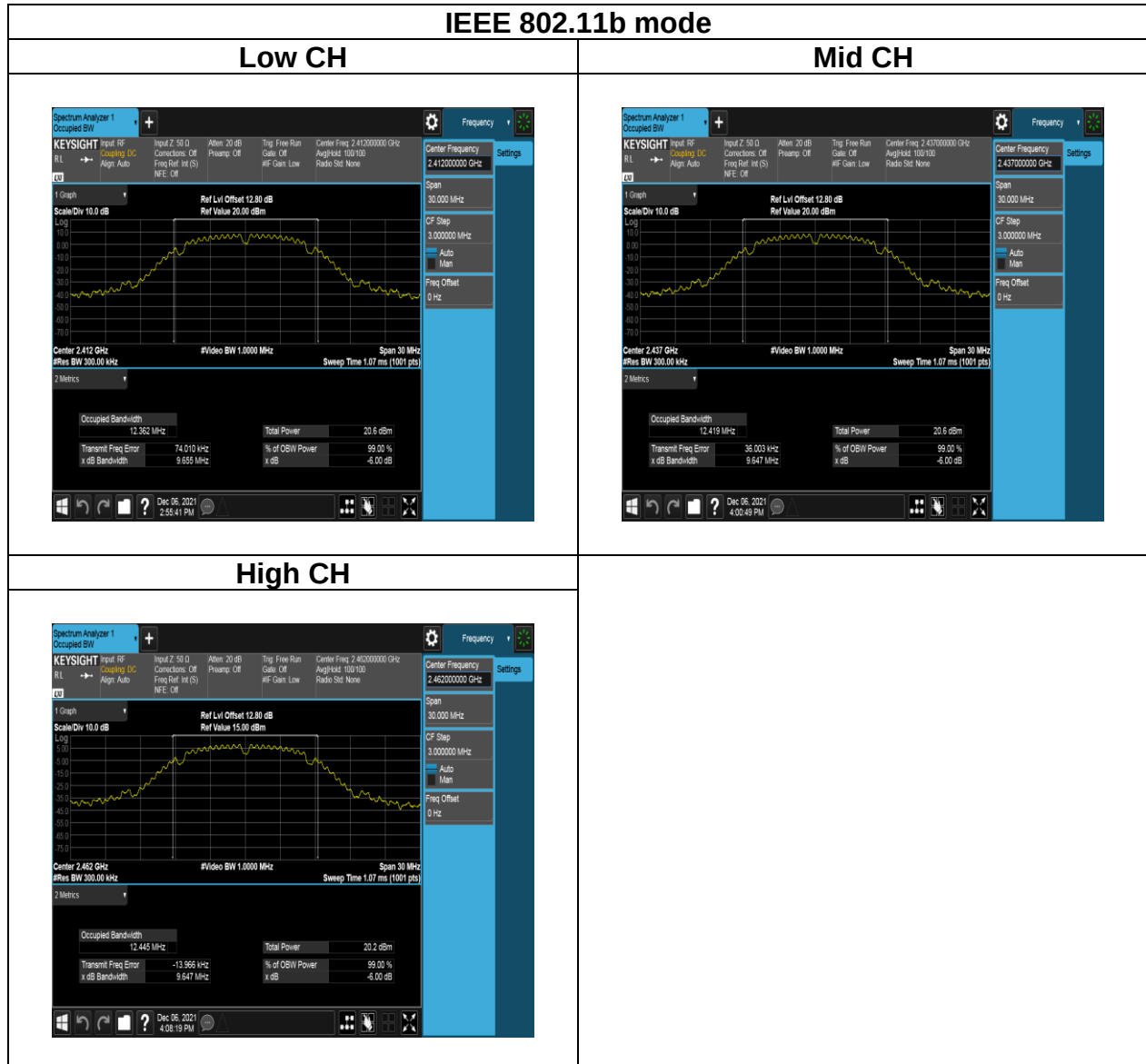


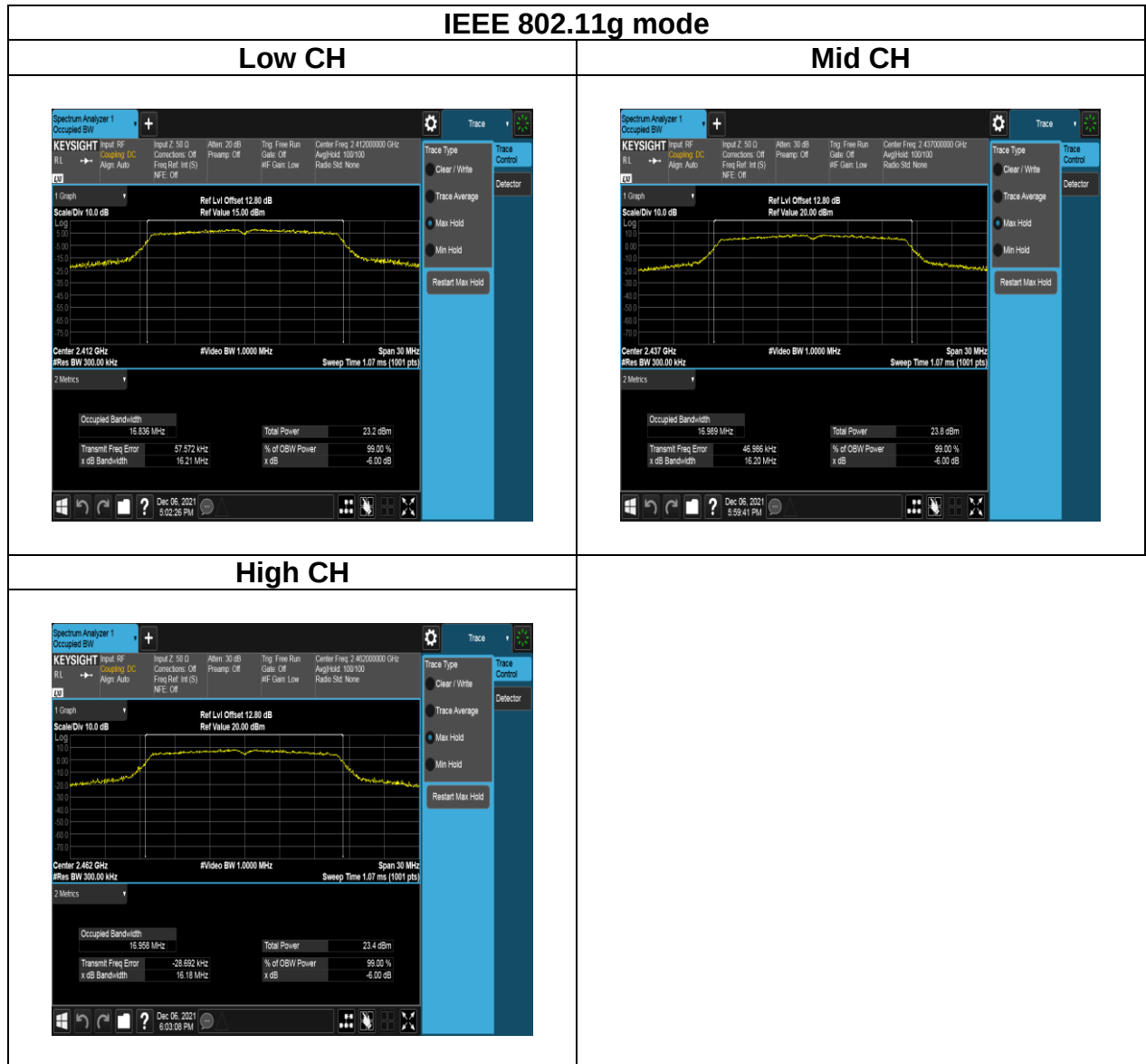


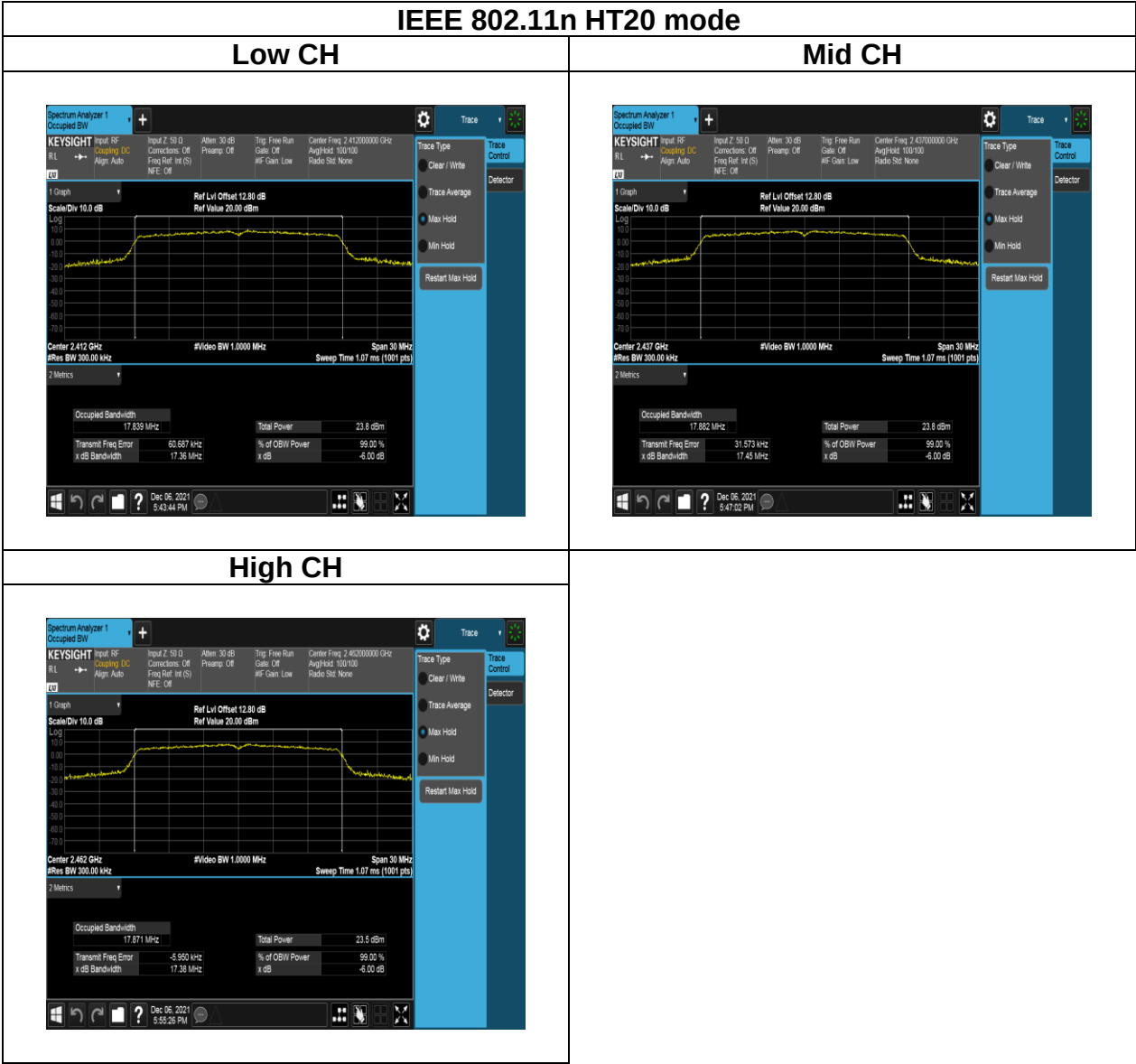
Report No.: T210730W08-RP3

Test Data

BANDWIDTH 99%







4.3 OUTPUT POWER MEASUREMENT

4.3.1 Test Limit

According to §15.247(b) and RSS-247 section 5.4(d),

Peak output power :

FCC:

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement,

IC:

For systems using digital modulation in the 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt(30 dBm) and the e.i.r.p. shall not exceed 4Watt(36 dBm), base on the use of antennas with directional gain not exceed 6 dBi If transmitting antennas of directional gain greater than 6dBi are used the peak output power the conducted output power from the intentional radiator shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. In case of point-to-point operation, the limit has to be reduced by 1dB for every 3 dB that the directional gain of the antenna exceeds 6 dBi.

For systems using digital modulation in the 902-928 MHz, 2400-2483.5 MHz, and 5725-5850 MHz bands: 1 Watt. As an alternative to a peak power measurement,

Limit	☒ Antenna not exceed 6 dBi : 30dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 30 – (DG – 6)] ☐ Point-to-point operation :
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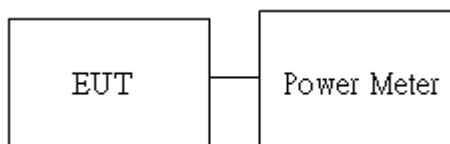
Average output power : For reporting purposes only.

4.3.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

1. The EUT RF output connected to the power meter by RF cable.
2. Setting maximum power transmit of EUT.
3. The path loss was compensated to the results for each measurement.
4. Measure and record the result of Peak output power and Average output power. in the test report.

4.3.3 Test Setup



4.3.4 Test Result

Temperature: 20.8°C

Humidity: 60% RH

Tested by: Lance Chen

Test date: December 6, 2021

Peak output power :

802.11b Ch0						
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	1	19	20.51	30.00	PASS
6	2437	1	19	20.39	30.00	PASS
11	2462	1	19	20.09	30.00	PASS

802.11g Ch0						
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	6	19	24.38	30.00	PASS
6	2437	6	19	23.91	30.00	PASS
11	2462	6	18	23.52	30.00	PASS

802.11nHT_20M Ch0						
CH	Freq. (MHz)	Data Rate	Power set	Peak Output Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	18	24.31	30.00	PASS
6	2437	MCS0	19	23.96	30.00	PASS
11	2462	MCS0	16.5	23.81	30.00	PASS

Average output power :

802.11b Ch0						
CH	Freq. (MHz)	Data Rate	Power set	Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
1	2412	1	19	17.46	30.00	PASS
6	2437	1	19	17.25	30.00	PASS
11	2462	1	19	17.09	30.00	PASS

802.11g Ch0						
CH	Freq. (MHz)	Data Rate	Power set	Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
1	2412	6	19	17.37	30.00	PASS
6	2437	6	19	17.06	30.00	PASS
11	2462	6	18	16.10	30.00	PASS

802.11nHT_20M Ch0						
CH	Freq. (MHz)	Data Rate	Power set	Max. Avg. Output include tune up tolerance Power (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	18	16.37	30.00	PASS
6	2437	MCS0	19	17.09	30.00	PASS
11	2462	MCS0	16.5	14.76	30.00	PASS

EIRP power :

802.11b Ch0							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	1	17.46	4.32	21.78	36	PASS
6	2437	1	17.25	4.32	21.57	36	PASS
11	2462	1	17.09	4.32	21.41	36	PASS

802.11g Ch0							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	6	17.37	4.32	21.69	36	PASS
6	2437	6	17.06	4.32	21.38	36	PASS
11	2462	6	16.10	4.32	20.42	36	PASS

802.11nHT_20M Ch0							
CH	Freq. (MHz)	Data Rate	Avg. Output Power (dBm)	Antenna Gain (dBi)	EIRP (dBm)	Limit (dBm)	RESULT
1	2412	MCS0	16.37	4.32	20.69	36	PASS
6	2437	MCS0	17.09	4.32	21.41	36	PASS
11	2462	MCS0	14.76	4.32	19.08	36	PASS

4.4 POWER SPECTRAL DENSITY

4.4.1 Test Limit

According to §15.247(e) and RSS-247 section 5.2(b),

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

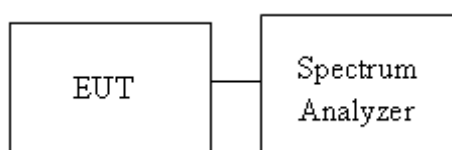
Limit	☒ Antenna not exceed 6 dBi : 8dBm ☐ Antenna with DG greater than 6 dBi : [Limit = 8 – (DG – 6)] ☐ Point-to-point operation :
-------	---

4.4.2 Test Procedure

Test method Refer as ANSI C63.10:2013

1. The EUT RF output connected to the spectrum analyzer by RF cable.
2. Setting maximum power transmit of EUT
3. SA set RBW = 3kHz, VBW = 10kHz, Span = 1.5 times DTS Bandwidth (6 dB BW), Detector = Peak, Sweep Time = Auto and Trace = Max hold.
4. The path loss and Duty Factor were compensated to the results for each measurement by SA.
5. Mark the maximum level.
6. Measure and record the result of power spectral density. in the test report.

4.4.3 Test Setup



4.4.4 Test Result

Temperature: 20.8°C

Humidity: 60% RH

Tested by: Lance Chen

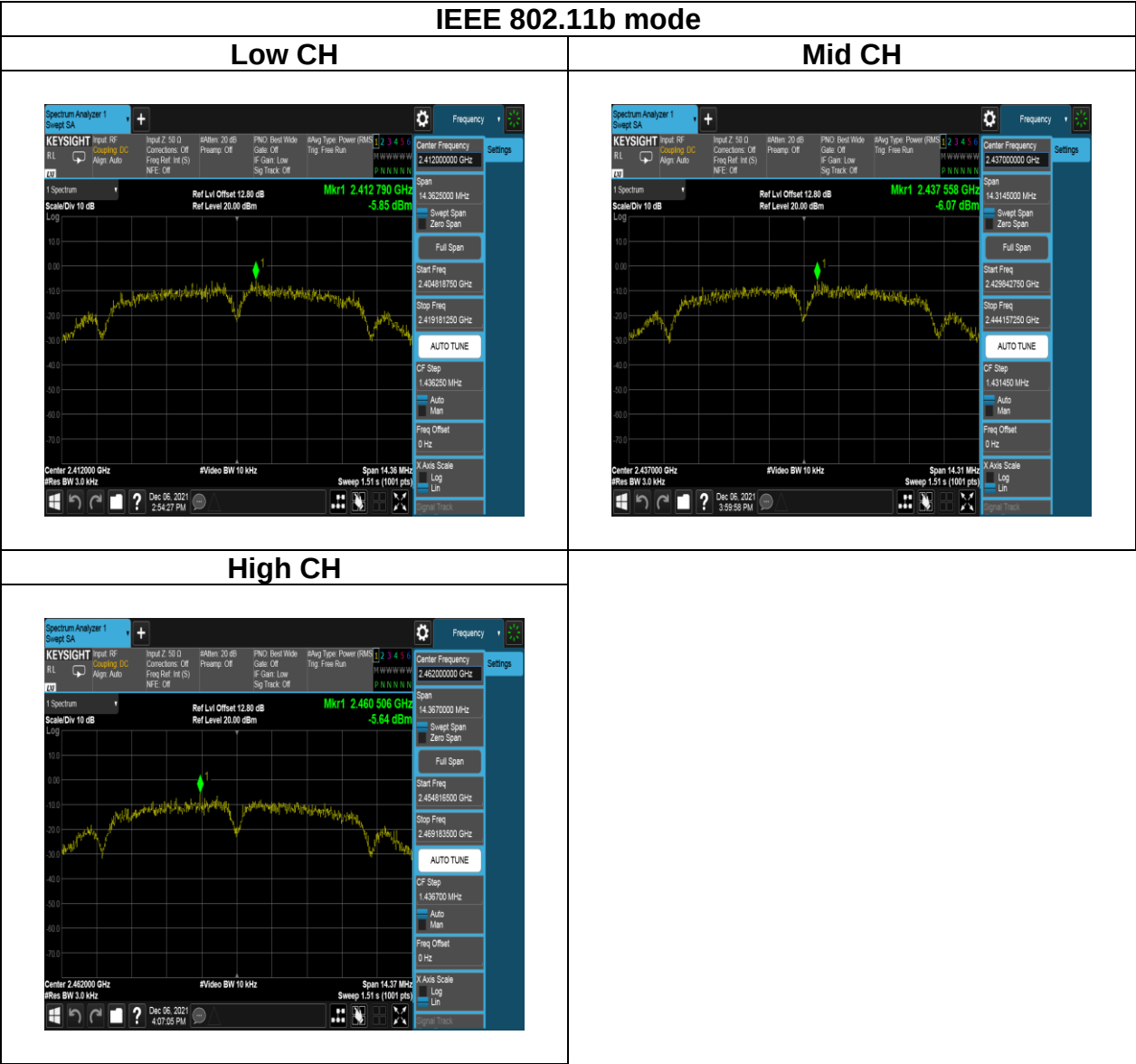
Test date: December 6, 2021

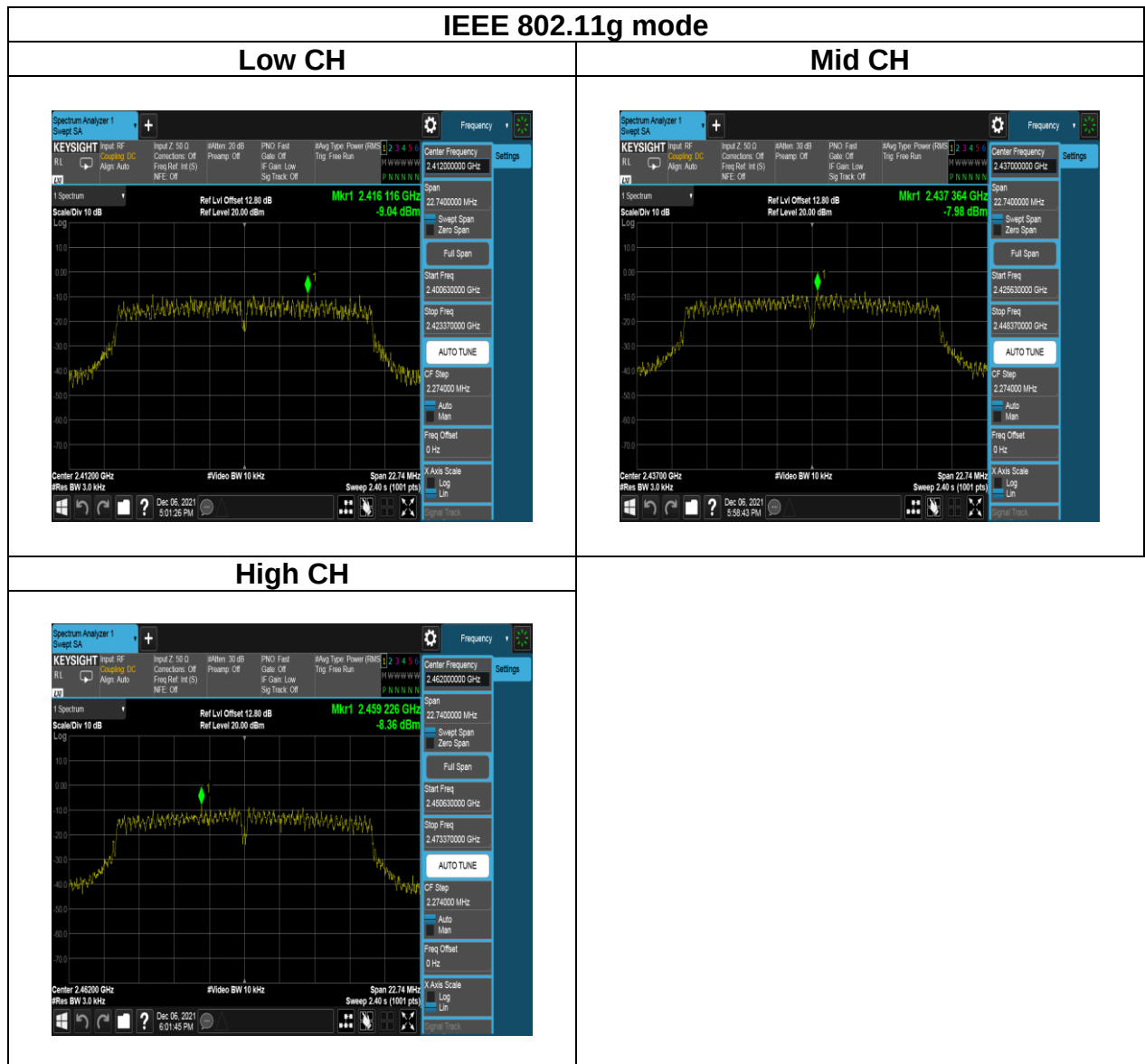
POWER DENSITY 802.11b				
Freq. (MHz)	Ch0 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-5.85	-5.85	8.00	PASS
2437	-6.07	-6.07	8.00	PASS
2462	-5.64	-5.64	8.00	PASS

POWER DENSITY 802.11g				
Freq. (MHz)	Ch0 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-9.04	-9.04	8.00	PASS
2437	-7.98	-7.98	8.00	PASS
2462	-8.36	-8.36	8.00	PASS

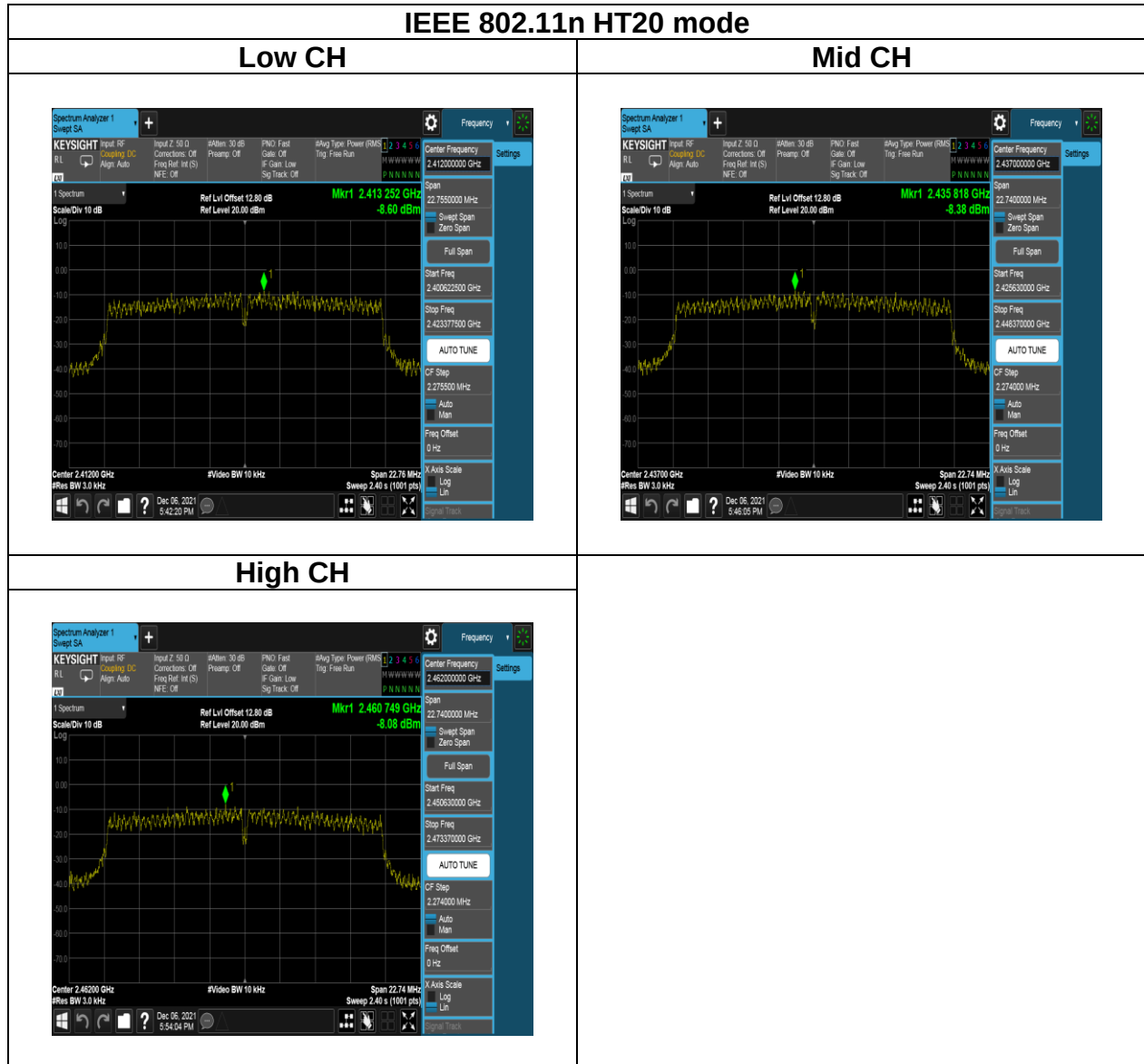
POWER DENSITY 802.11n HT20				
Freq. (MHz)	Ch0 PSD	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
2412	-8.60	-8.60	8.00	PASS
2437	-8.38	-8.38	8.00	PASS
2462	-8.08	-8.08	8.00	PASS

Test Data





Report No.: T210730W08-RP3



4.5 CONDUCTED BANDEDGE AND SPURIOUS EMISSION

4.5.1 Test Limit

According to §15.247(d) and RSS-247 section 5.5,

FCC:

In any 100 kHz bandwidth outside the authorized frequency band,

Non-restricted bands shall be attenuated at least 20 dB/30 dB relative to the maximum PSD level in 100 kHz by RF conducted or a radiated measurement 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).

IC:

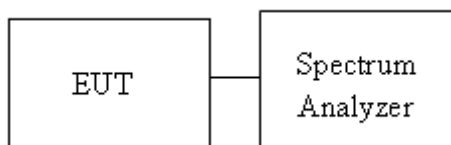
In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either 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(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in RSS-Gen is not required.

4.5.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

1. EUT RF output port connected to the SA by RF cable, and the path loss was compensated to result.
2. SA setting, RBW=100kHz, VBW=300kHz, Detector=Peak, Trace mode = max hold, SWT = Auto.
3. In any 100 kHz bandwidth outside the authorized frequency band, shall be attenuated at least 20 dB relative to the maximum in-band peak PSD level in 100 kHz when conducted power procedure is used. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, the attenuation required under this paragraph shall be 30 dB instead of 20 dB.

4.5.3 Test Setup



Report No.: T210730W08-RP3

4.5.4 Test Result

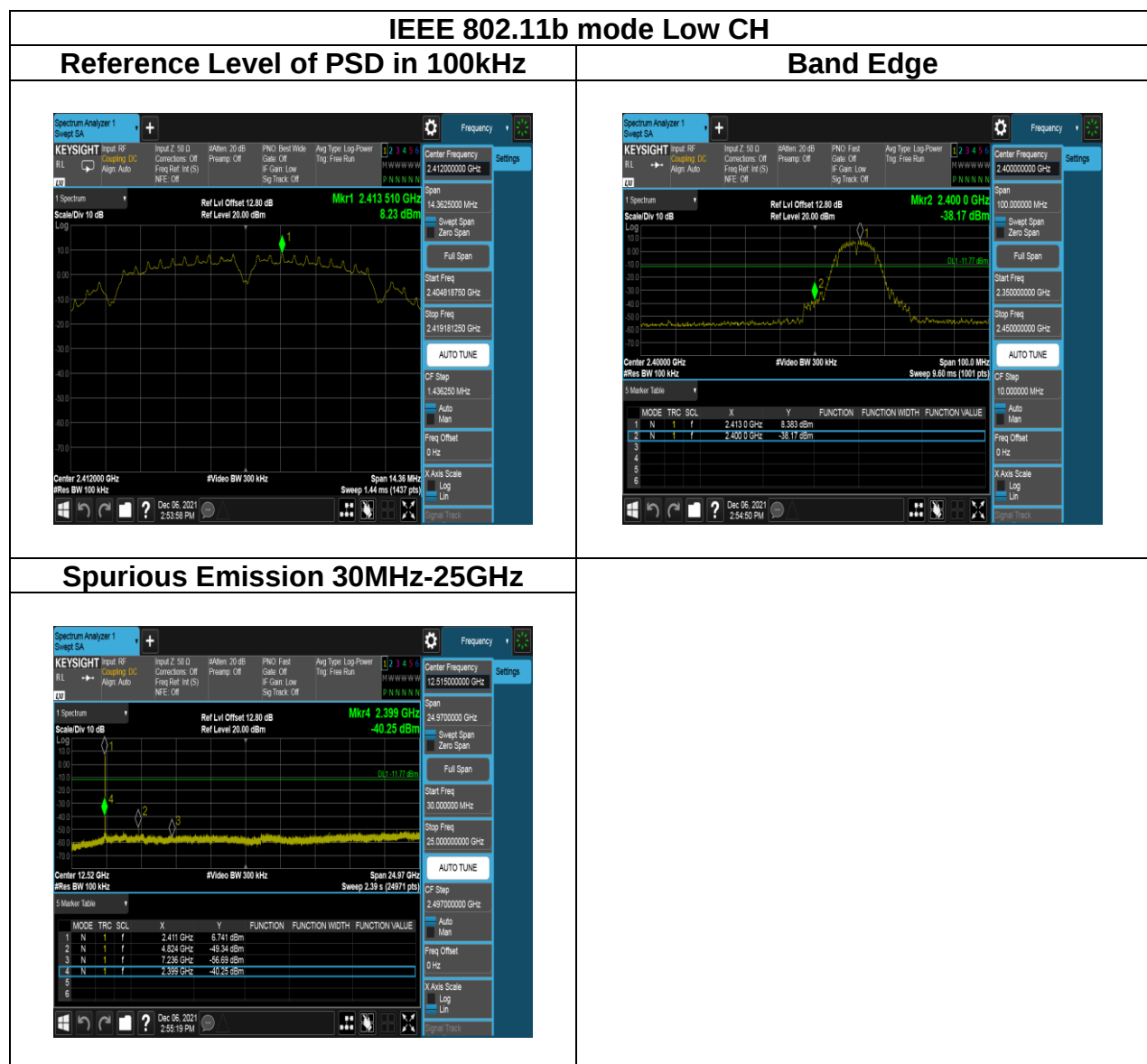
Test Data

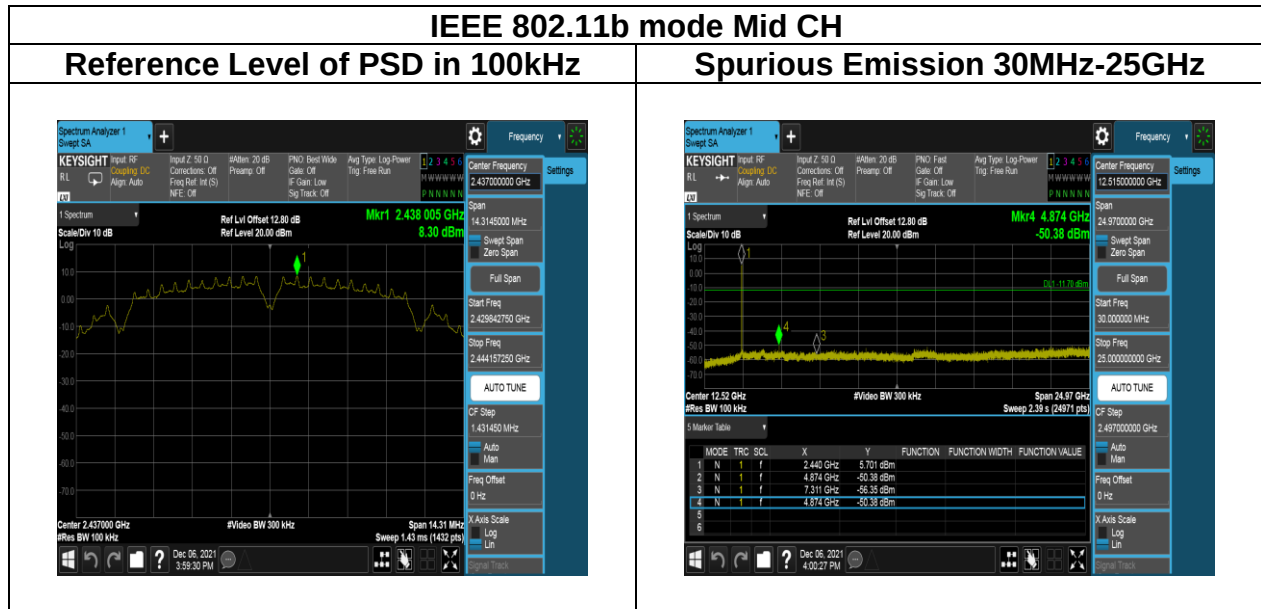
Temperature: 20.8°C

Humidity: 60% RH

Tested by: Lance Chen

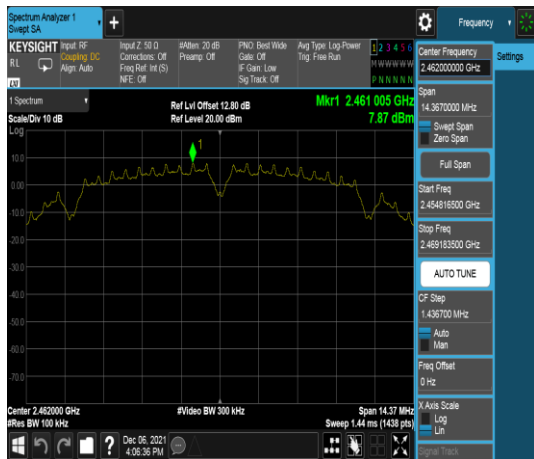
Test date: December 6, 2021





IEEE 802.11b mode High CH

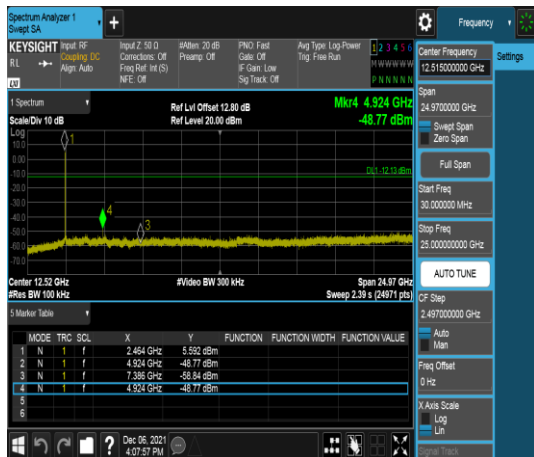
Reference Level of PSD in 100kHz

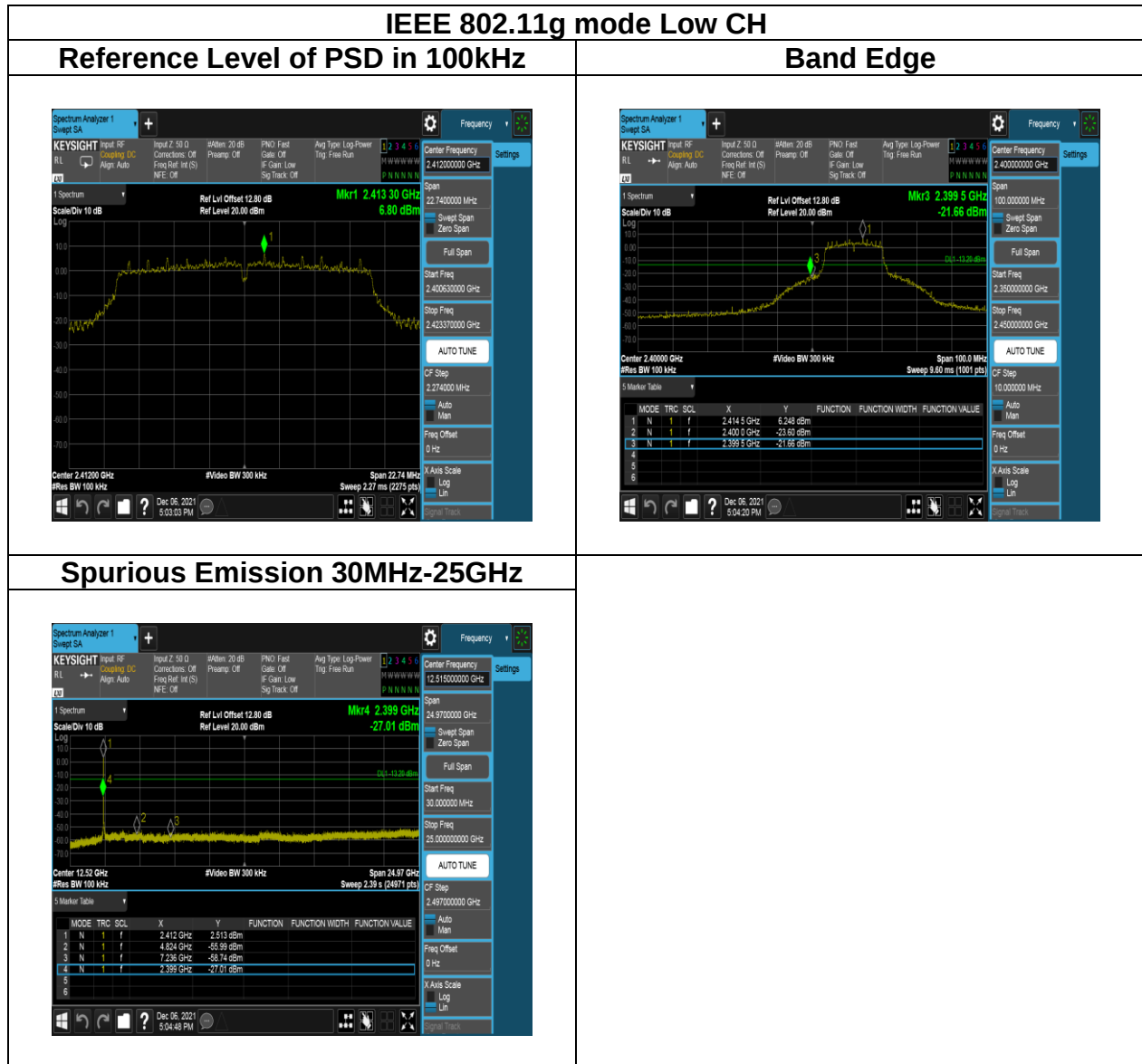


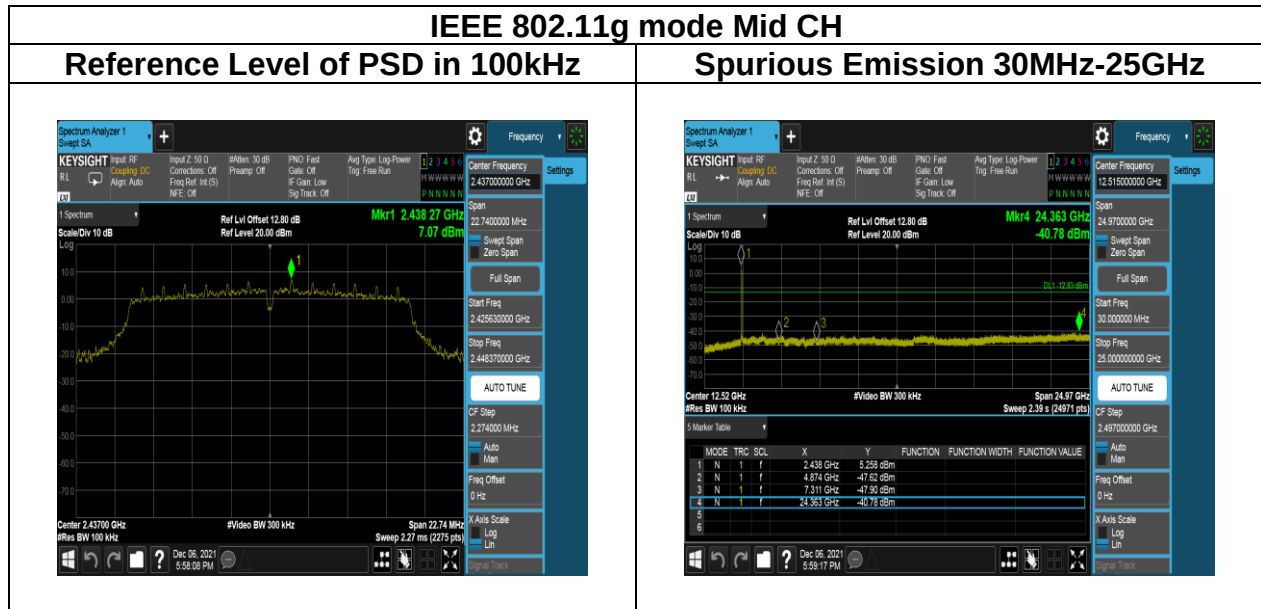
Band Edge

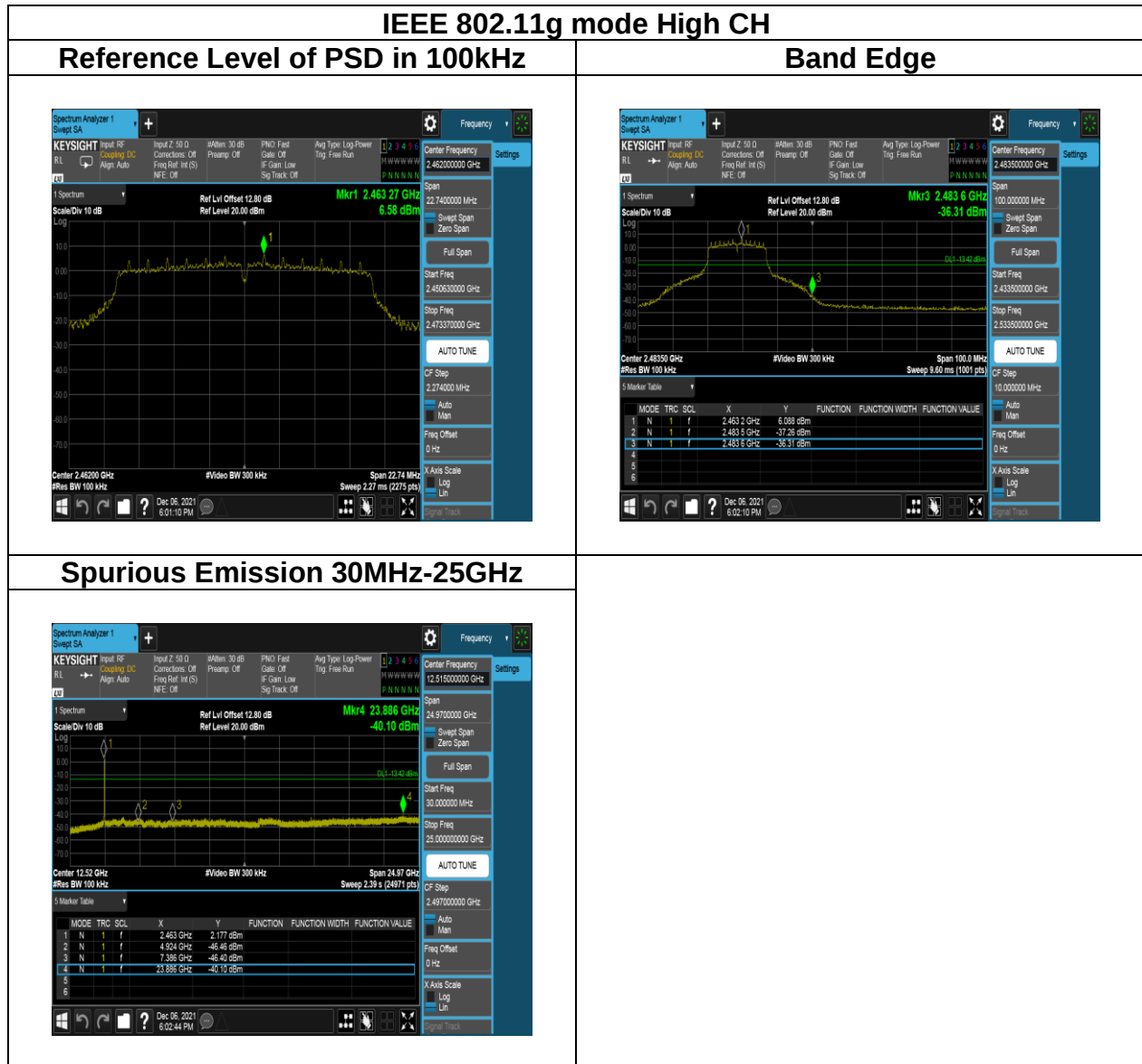


Spurious Emission 30MHz-25GHz



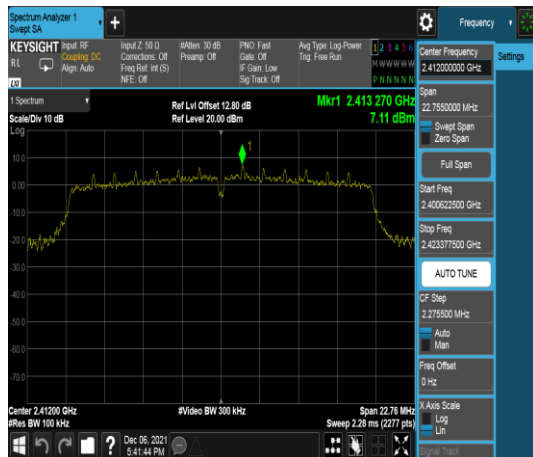






IEEE 802.11 n HT20 mode Low CH

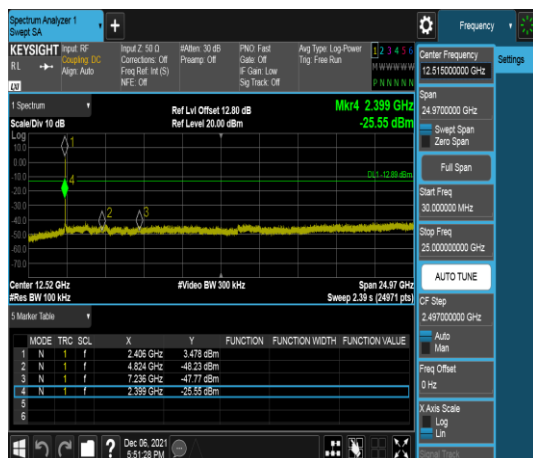
Reference Level of PSD in 100kHz

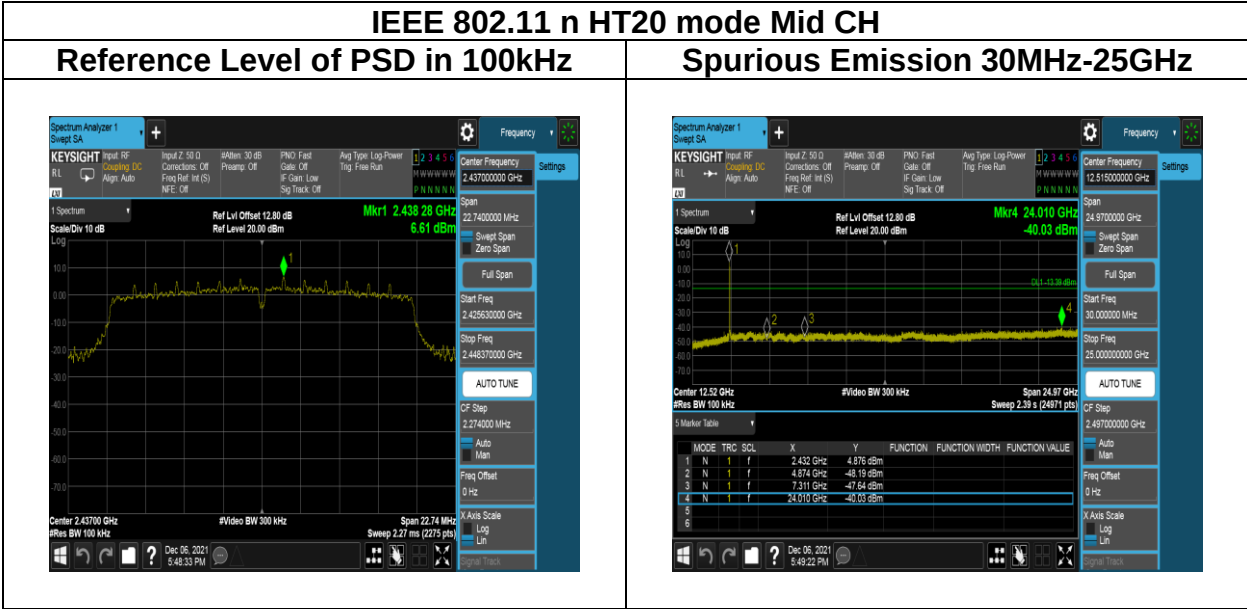


Band Edge



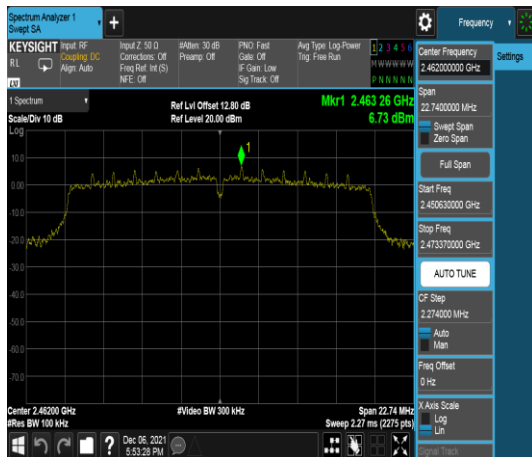
Spurious Emission 30MHz-25GHz





IEEE 802.11n HT20 mode High CH

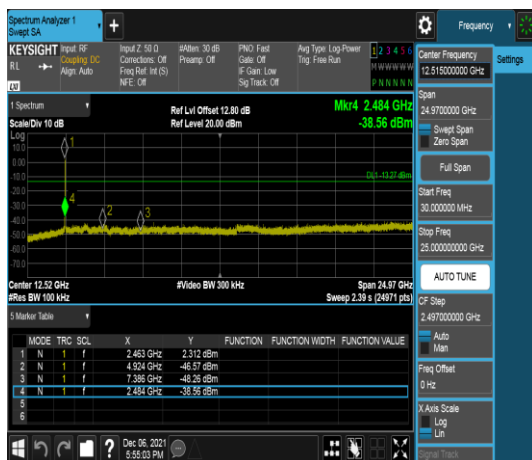
Reference Level of PSD in 100kHz



Band Edge



Spurious Emission 30MHz-25GHz



4.6 RADIATION BANDEDGE AND SPURIOUS EMISSION

4.6.1 Test Limit

FCC according to §15.247(d), §15.209 and §15.205,

IC according to RSS-247 section 5.5, RSS-Gen, Section 8.9 and 8.10

In any 100 kHz bandwidth outside the authorized frequency band, all harmonic and spurious must be least 20 dB below the highest emission level with the authorized frequency band. Radiation emission which fall in the restricted bands must also follow the FCC section 15.209 as below limit in table.

Below 30 MHz

Frequency	Field Strength (microvolts/m)	Magnetic H-Field (microamperes/m)	Measurement Distance (metres)
9-490 kHz	2,400/F (F in kHz)	2,400/F (F in kHz)	300
490-1,705 kHz	24,000/F (F in kHz)	24,000/F (F in kHz)	30
1.705-30 MHz	30	N/A	30

Above 30 MHz

Frequency	Field Strength (microvolts/m)	Measurement Distance (metres)
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

IC according to RSS-247 section 5.5, RSS-Gen, Section 8.9 and 8.10

RSS-Gen Table 3 and Table 5 – General Field Strength Limits for Transmitters and Receivers at Frequencies Above 30 MHz (Note)

Frequency (MHz)	Field Strength microvolts/m at 3 metres (watts, e.i.r.p.)	
	Transmitters	Receivers
30-88	100 (3 nW)	100 (3 nW)
88-216	150 (6.8 nW)	150 (6.8 nW)
216-960	200 (12 nW)	200 (12 nW)
Above 960	500 (75 nW)	500 (75 nW)

Note: Measurements for compliance with the limits in table 3 may be performed at distances other than 3 metres, in accordance with Section 6.6.

RSS-Gen Table 6: General Field Strength Limits for Transmitters at Frequencies Below 30 MHz (Transmit)

Frequency	Magnetic field strength (H-Field) ($\mu\text{A/m}$)	Measurement Distance (m)
9-490 kHz ^{Note}	6.37/F (F in kHz)	300
490-1,705 kHz	63.7/F (F in kHz)	30
1.705-30 MHz	0.08	30

Note: The emission limits for the ranges 9-90 kHz and 110-490 kHz are based on measurements employing a linear average detector.

4.6.2 Test Procedure

Test method Refer as ANSI C63.10:2013.

1. The EUT is placed on a turntable, Above 1 GHz is 1.5m and below 1 GHz is 0.8m above ground plane. The EUT Configured un accordance with ANSI C63.10: 2013, and the EUT set in a continuous mode.

2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level. And EUT is set 3m away from the receiving antenna, which is scanned from 1m to 4m above the ground plane to find out the highest emissions. Measurement are made polarized in both the vertical and the horizontal positions with antenna.

3. Span shall wide enough to full capture the emission measured. The SA from 9kHz to 26.5GHz set to the low, Mid and High channels with the EUT transmit.

Note: No emission found between lowest internal used/generated frequency to 30MHz (9KHz~30MHz)

Remark:

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open are test site. Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the ones of tests made in an open field based on KDB 414788.

4. The SA setting following :

(1) Below 1G : RBW = 100kHz, VBW $\geq$ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

(2) Above 1G :

(2.1) For Peak measurement : RBW = 1MHz, VBW $\geq$ 3 RBW, Sweep = Auto, Detector = Peak, Trace = Max hold.

(2.2) For Average measurement : RBW = 1MHz, VBW

 If Duty Cycle $\geq$ 98%, VBW=10Hz.

 If Duty Cycle < 98%, VBW=1/T.

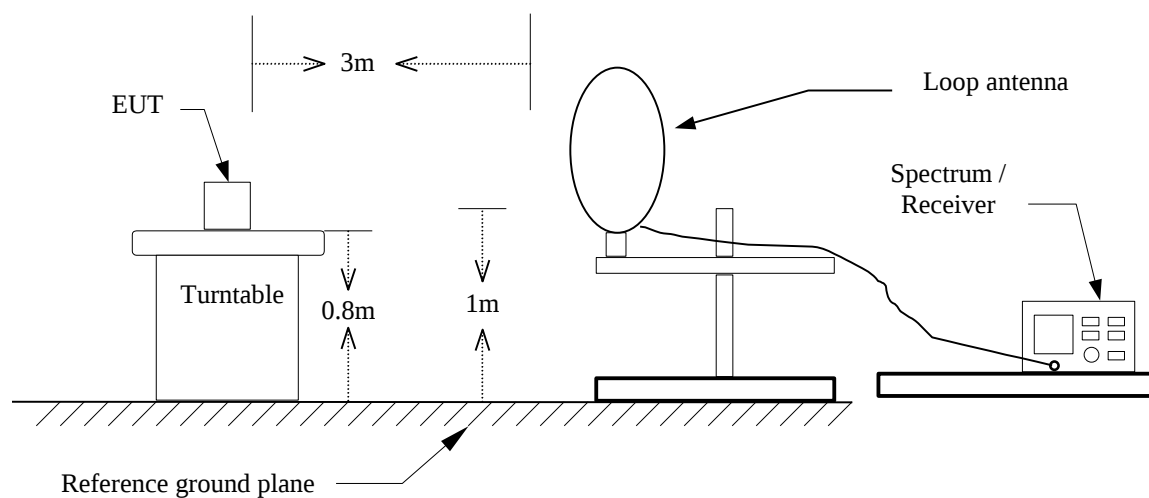
5. Data result

Actual FS=Spectrum Reading Level + Factor

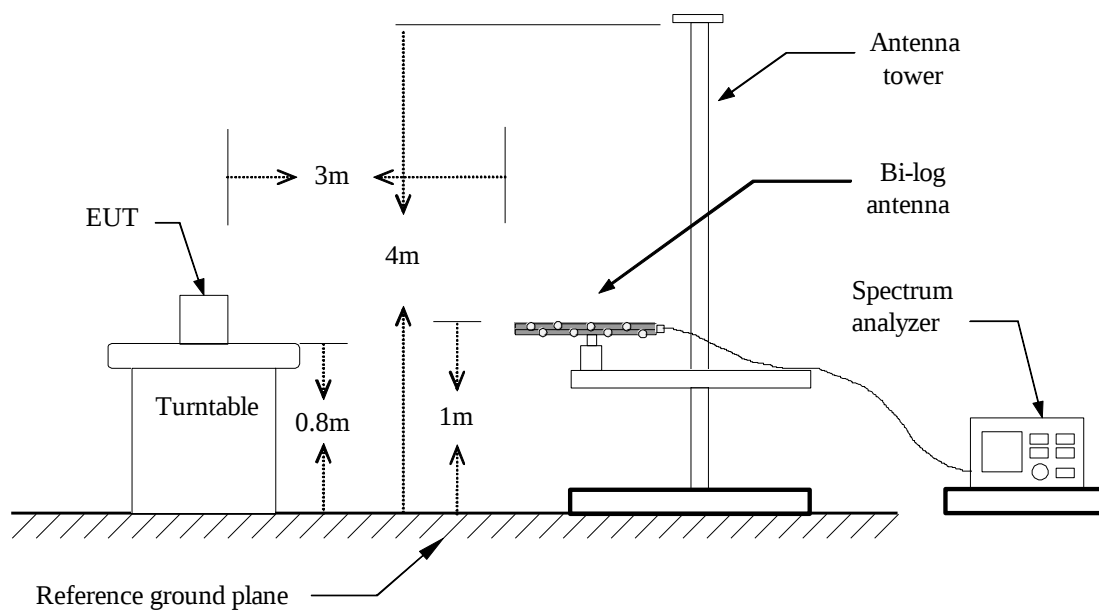
Margin=Actual FS- Limit

4.6.3 Test Setup

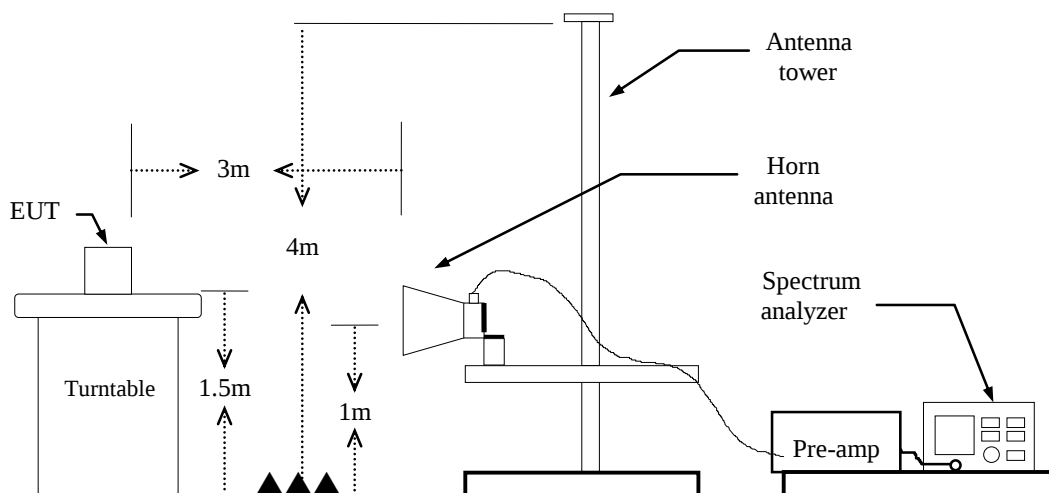
9kHz ~ 30MHz



30MHz ~ 1GHz



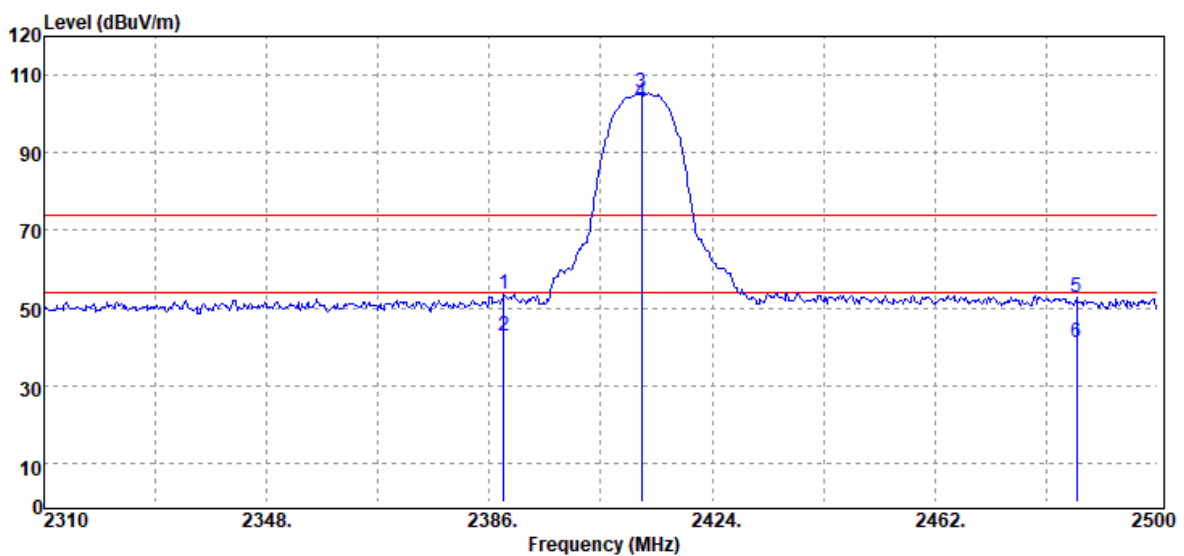
Above 1 GHz



4.6.4 Test Result

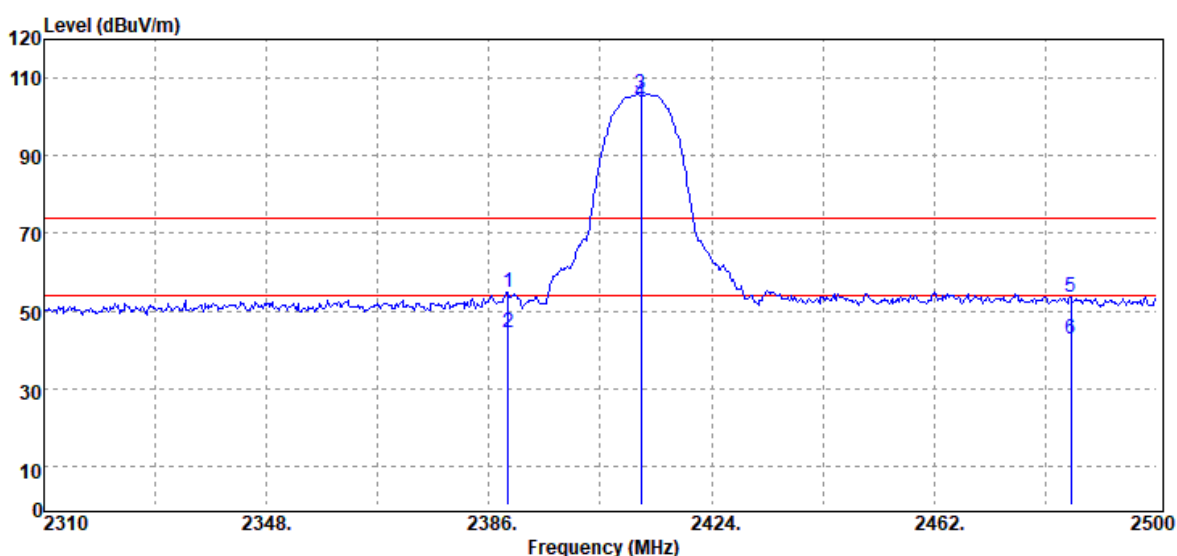
Band Edge Test Data

Test Mode	IEEE 802.11b Low CH 2412MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



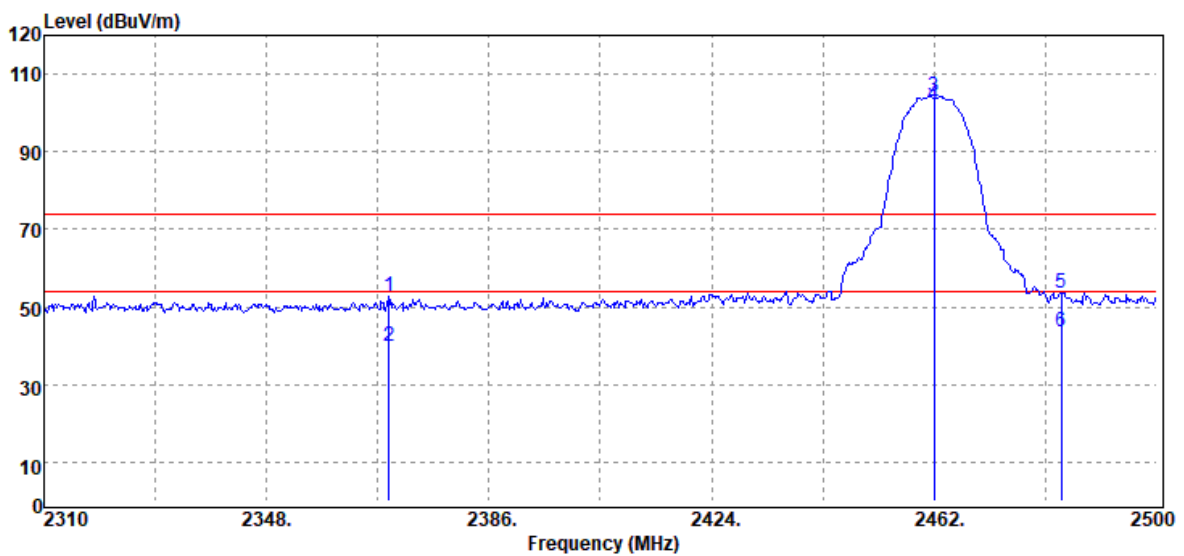
Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2388.47	Peak	40.90	12.46	53.36	74.00	-20.64
2388.47	Average	30.48	12.46	42.94	54.00	-11.06
2412.00	Peak	92.82	12.61	105.43	-	-
2412.00	Average	90.45	12.61	103.06	-	-
2486.13	Peak	39.45	13.09	52.54	74.00	-21.46
2486.13	Average	28.03	13.09	41.12	54.00	-12.88

Test Mode	IEEE 802.11b Low CH 2412MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



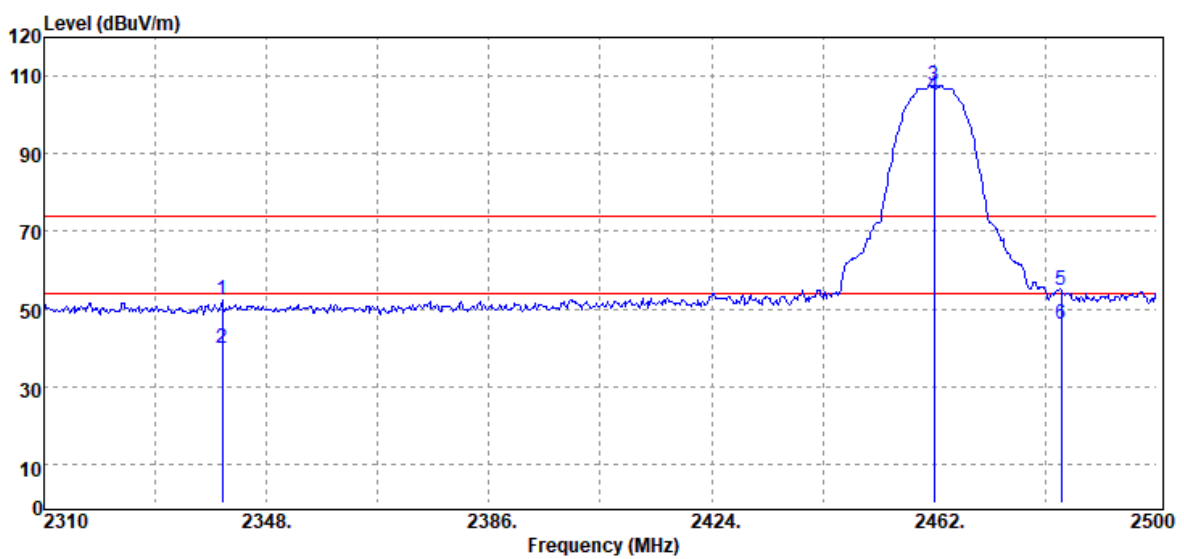
Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2389.23	Peak	42.40	12.47	54.87	74.00	-19.13
2389.23	Average	31.81	12.47	44.28	54.00	-9.72
2412.00	Peak	93.39	12.61	106.00	-	-
2412.00	Average	91.08	12.61	103.69	-	-
2485.37	Peak	40.63	13.09	53.72	74.00	-20.28
2485.37	Average	29.48	13.09	42.57	54.00	-11.43

Test Mode	IEEE 802.11b High CH 2462MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



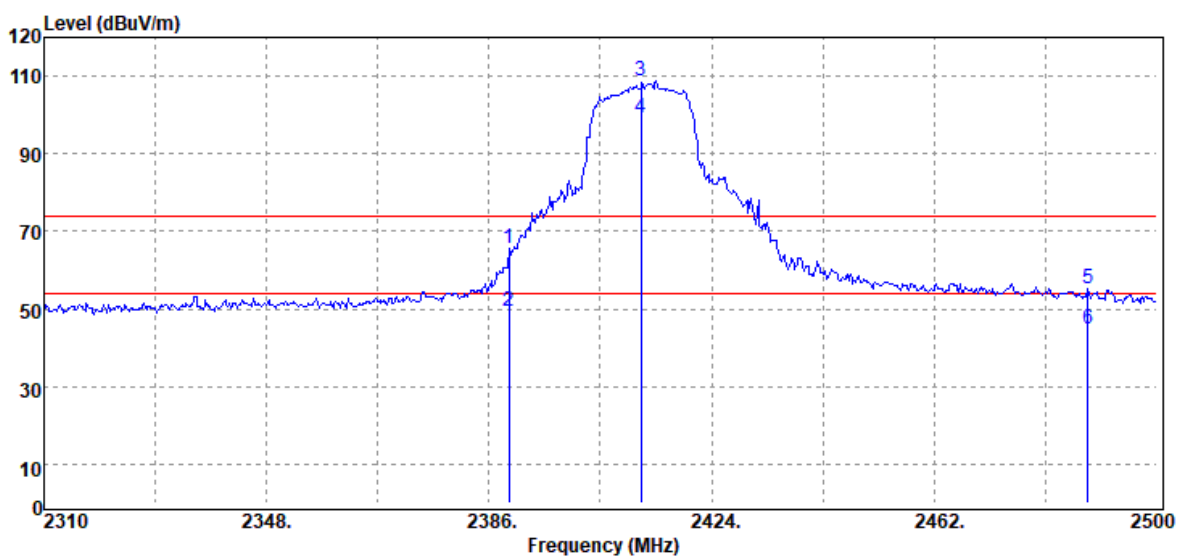
Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2368.90	Peak	40.52	12.38	52.90	74.00	-21.10
2368.90	Average	27.32	12.38	39.70	54.00	-14.30
2462.00	Peak	91.42	12.93	104.35	-	-
2462.00	Average	89.16	12.93	102.09	-	-
2483.66	Peak	40.52	13.07	53.59	74.00	-20.41
2483.66	Average	30.67	13.07	43.74	54.00	-10.26

Test Mode	IEEE 802.11b High CH 2462MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



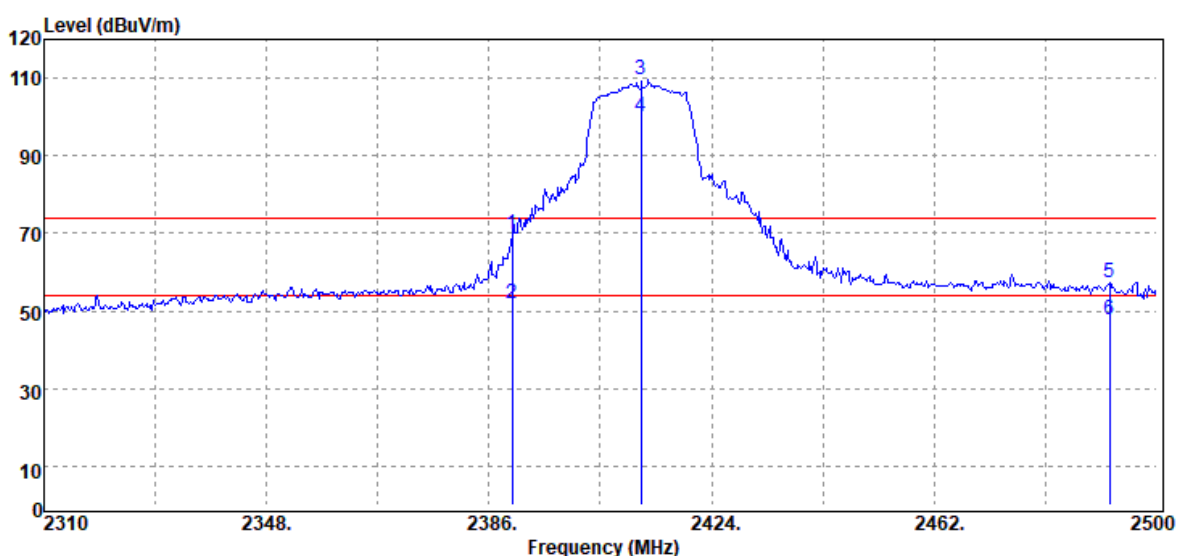
Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2340.40	Peak	40.12	12.26	52.38	74.00	-21.62
2340.40	Average	27.47	12.26	39.73	54.00	-14.27
2462.00	Peak	94.56	12.93	107.49	-	-
2462.00	Average	92.30	12.93	105.23	-	-
2483.66	Peak	41.75	13.07	54.82	74.00	-19.18
2483.66	Average	33.11	13.07	46.18	54.00	-7.82

Test Mode	IEEE 802.11g Low CH 2412MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



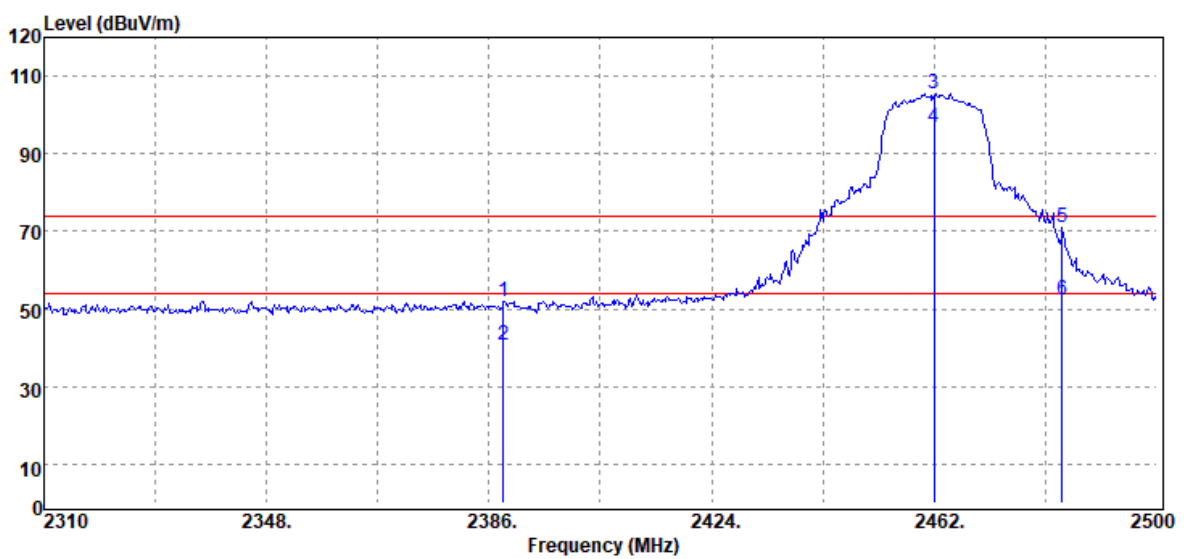
Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2389.42	Peak	52.95	12.48	65.43	74.00	-8.57
2389.42	Average	36.77	12.48	49.25	54.00	-4.75
2412.00	Peak	96.31	12.61	108.92	-	-
2412.00	Average	86.68	12.61	99.29	-	-
2488.22	Peak	41.92	13.11	55.03	74.00	-18.97
2488.22	Average	31.67	13.11	44.78	54.00	-9.22

Test Mode	IEEE 802.11g Low CH 2412MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



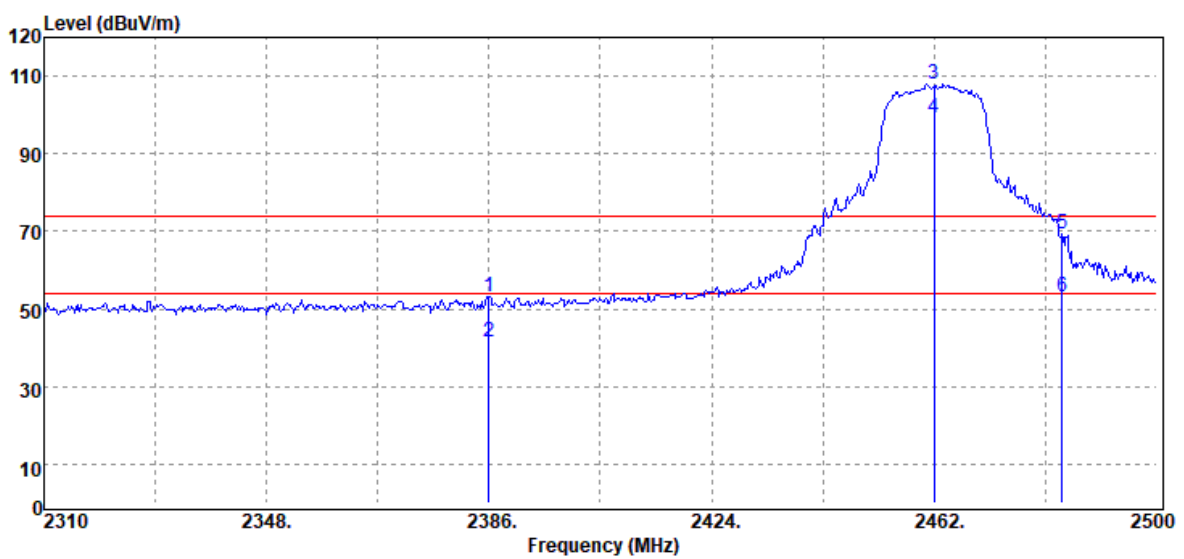
Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2389.99	Peak	57.46	12.48	69.94	74.00	-4.06
2389.99	Average	39.38	12.48	51.86	54.00	-2.14
2412.00	Peak	96.97	12.61	109.58	-	-
2412.00	Average	87.49	12.61	100.10	-	-
2492.02	Peak	44.26	13.14	57.40	74.00	-16.60
2492.02	Average	34.73	13.14	47.87	54.00	-6.13

Test Mode	IEEE 802.11g High CH 2462MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



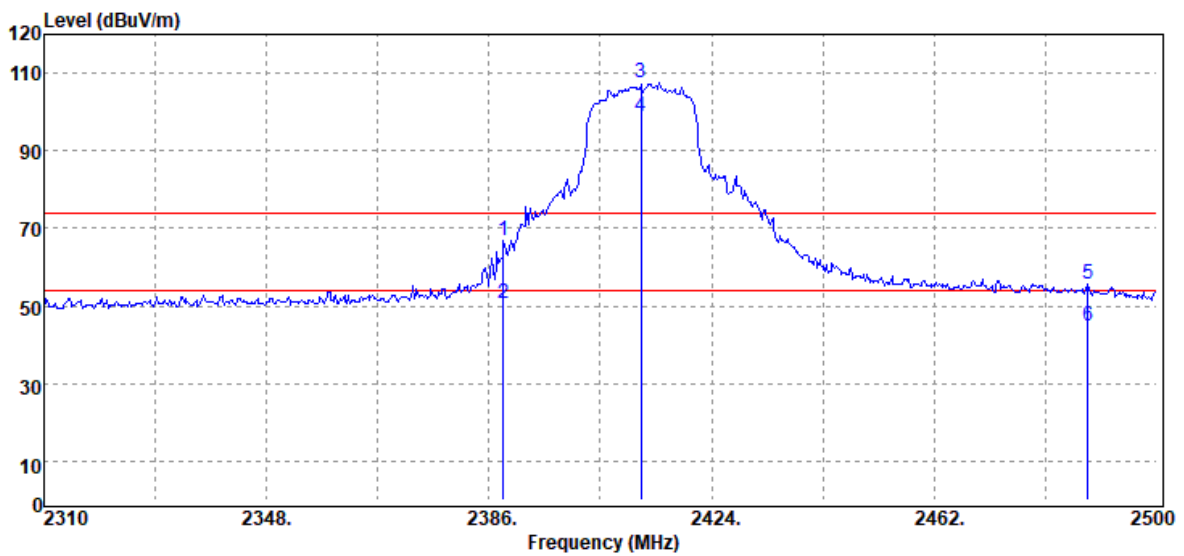
Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2388.47	Peak	39.55	12.46	52.01	74.00	-21.99
2388.47	Average	28.27	12.46	40.73	54.00	-13.27
2462.00	Peak	92.39	12.93	105.32	-	-
2462.00	Average	83.93	12.93	96.86	-	-
2483.85	Peak	58.10	13.08	71.18	74.00	-2.82
2483.85	Average	39.17	13.08	52.25	54.00	-1.75

Test Mode	IEEE 802.11g High CH 2462MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



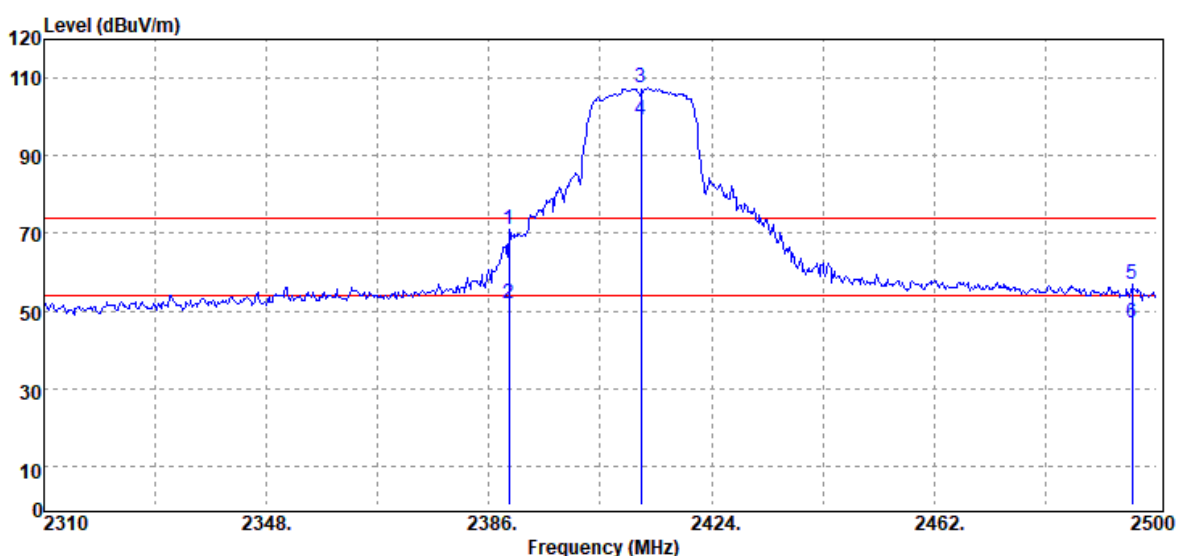
Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2386.00	Peak	40.66	12.46	53.12	74.00	-20.88
2386.00	Average	28.96	12.46	41.42	54.00	-12.58
2462.00	Peak	95.15	12.93	108.08	-	-
2462.00	Average	86.25	12.93	99.18	-	-
2483.85	Peak	56.35	13.08	69.43	74.00	-4.57
2483.85	Average	40.23	13.08	53.31	54.00	-0.69

Test Mode	IEEE 802.11n HT20 Low CH 2412MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



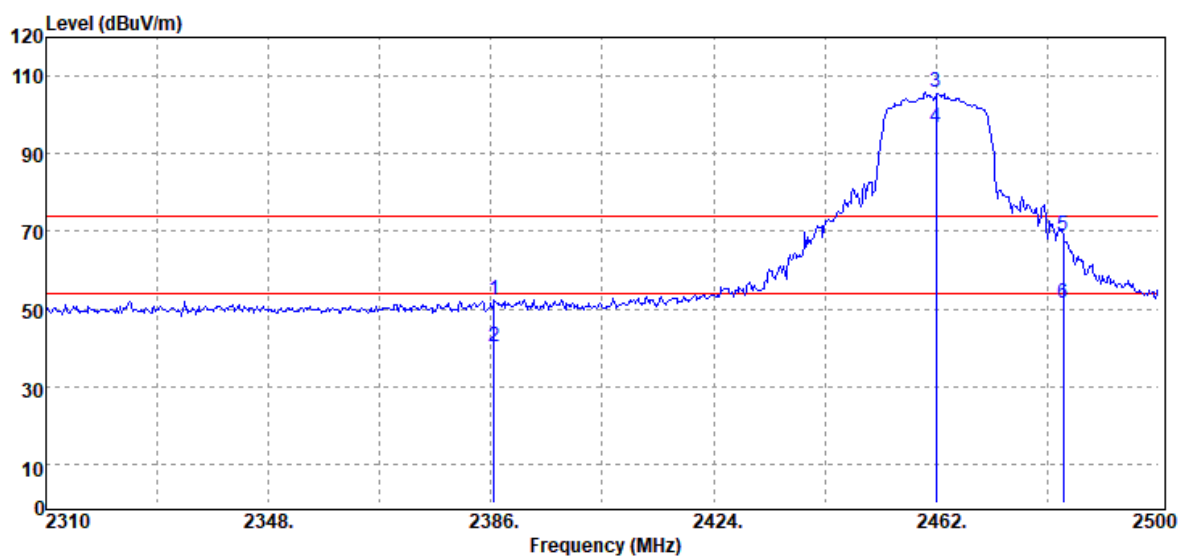
Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2388.47	Peak	54.34	12.46	66.80	74.00	-7.20
2388.47	Average	38.20	12.46	50.66	54.00	-3.34
2412.00	Peak	94.82	12.61	107.43	-	-
2412.00	Average	86.02	12.61	98.63	-	-
2488.22	Peak	42.55	13.11	55.66	74.00	-18.34
2488.22	Average	31.78	13.11	44.89	54.00	-9.11

Test Mode	IEEE 802.11 n20 Low CH 2412MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



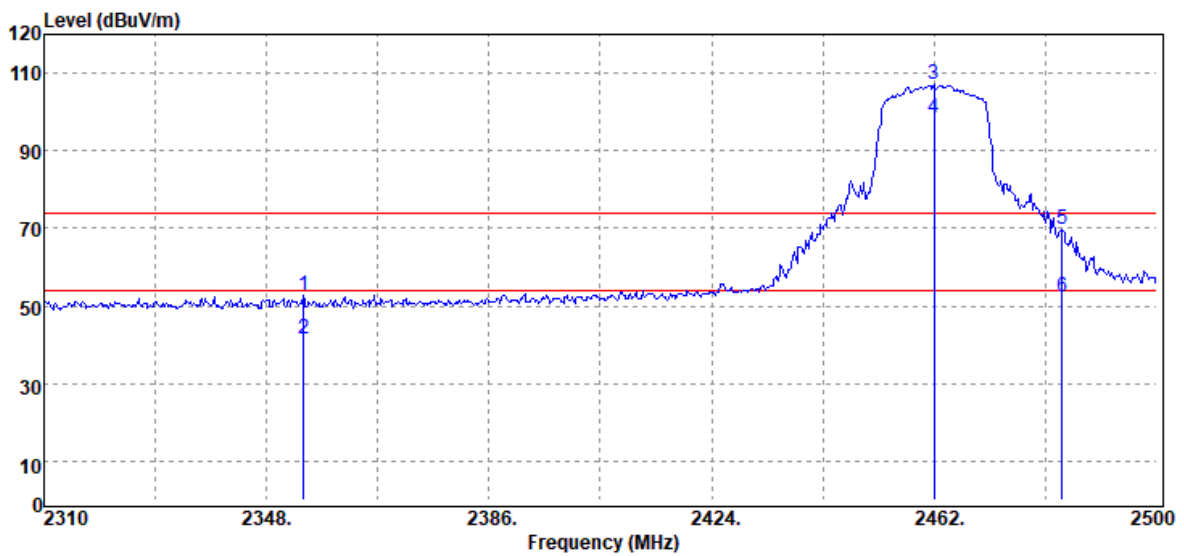
Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2389.42	Peak	58.51	12.48	70.99	74.00	-3.01
2389.42	Average	39.50	12.48	51.98	54.00	-2.02
2412.00	Peak	94.82	12.61	107.43	-	-
2412.00	Average	86.61	12.61	99.22	-	-
2495.82	Peak	43.94	13.15	57.09	74.00	-16.91
2495.82	Average	33.83	13.15	46.98	54.00	-7.02

Test Mode	IEEE 802.11n HT20 High CH 2462MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2386.57	Peak	39.86	12.47	52.33	74.00	-21.67
2386.57	Average	28.00	12.47	40.47	54.00	-13.53
2462.00	Peak	93.04	12.93	105.97	-	-
2462.00	Average	83.80	12.93	96.73	-	-
2483.66	Peak	55.75	13.07	68.82	74.00	-5.18
2483.66	Average	38.24	13.07	51.31	54.00	-2.69

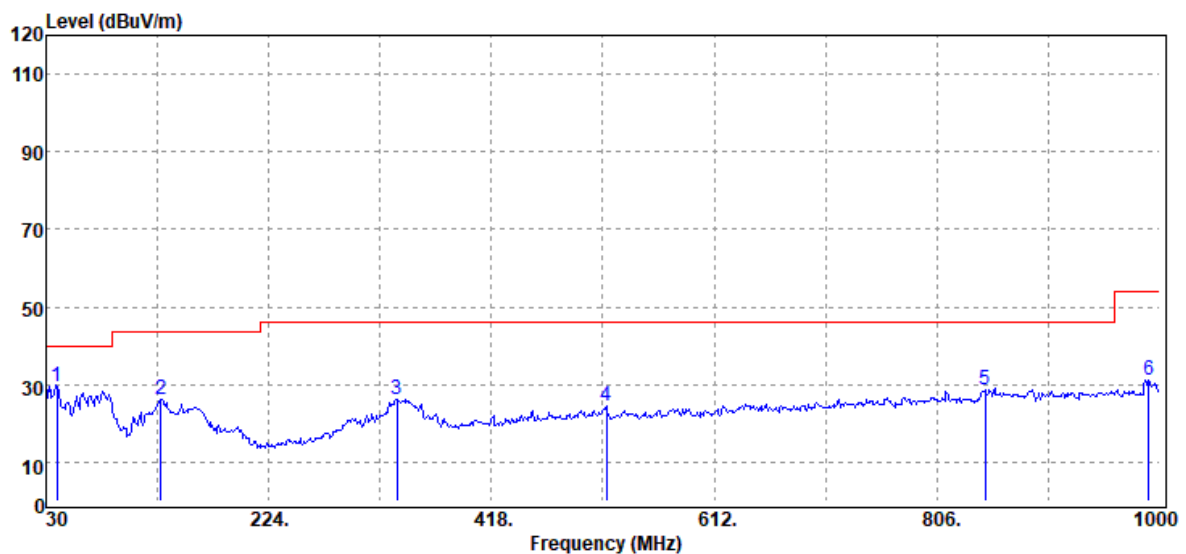
Test Mode	IEEE 802.11n20 High CH 2462MHz	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Band Edge	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak / Average		



Frequency (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
2354.27	Peak	40.56	12.31	52.87	74.00	-21.13
2354.27	Average	29.16	12.31	41.47	54.00	-12.53
2462.00	Peak	94.18	12.93	107.11	-	-
2462.00	Average	85.67	12.93	98.60	-	-
2483.85	Peak	56.63	13.08	69.71	74.00	-4.29
2483.85	Average	39.38	13.08	52.46	54.00	-1.54

Below 1G Test Data

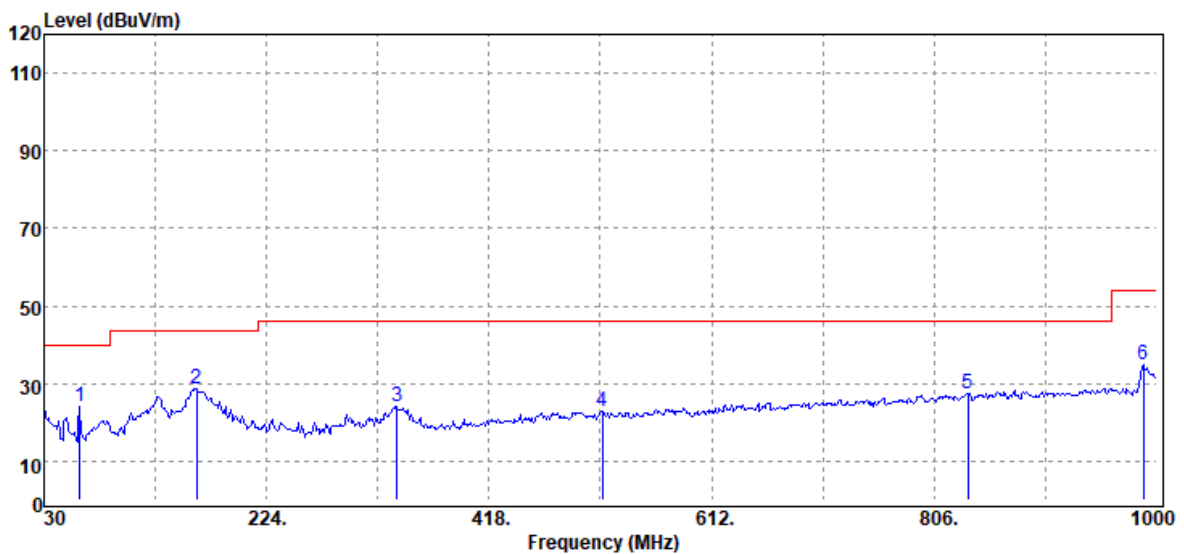
Test Mode	Mode 1	Temp/Hum	20.9(°C)/ 60%RH
Test Item	30MHz-1GHz	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak	Test Voltage	



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
39.70	Peak	38.85	-9.54	29.31	40.00	-10.69
129.91	Peak	35.33	-9.09	26.24	43.50	-17.26
335.55	Peak	34.24	-7.99	26.25	46.00	-19.75
517.91	Peak	27.83	-3.21	24.62	46.00	-21.38
847.71	Peak	26.39	2.24	28.63	46.00	-17.37
990.30	Peak	26.69	4.46	31.15	54.00	-22.85

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Test Mode	Mode 1	Temp/Hum	20.9(°C)/ 60%RH
Test Item	30MHz-1GHz	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak	Test Voltage	

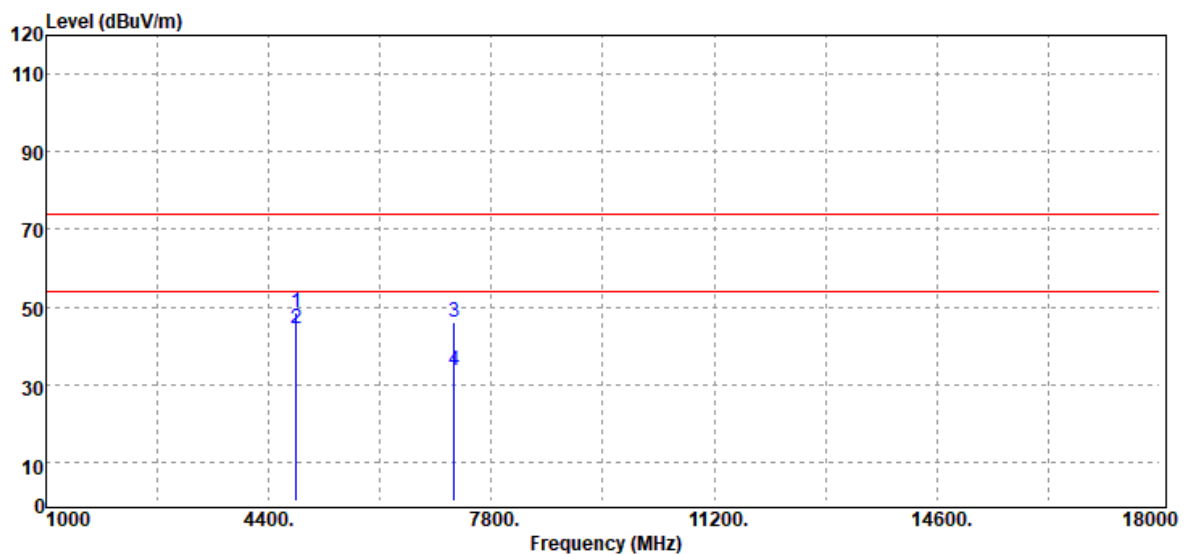


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
61.04	Peak	40.05	-15.87	24.18	40.00	-15.82
162.89	Peak	39.56	-10.72	28.84	43.50	-14.66
337.49	Peak	31.95	-7.98	23.97	46.00	-22.03
516.94	Peak	26.23	-3.24	22.99	46.00	-23.01
835.10	Peak	25.51	2.03	27.54	46.00	-18.46
988.36	Peak	30.72	4.35	35.07	54.00	-18.93

Note: No emission found between lowest internal used/generated frequency to 30MHz(9KHz~30MHz)

Above 1G Test Data

Test Mode	IEEE 802.11b Low CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

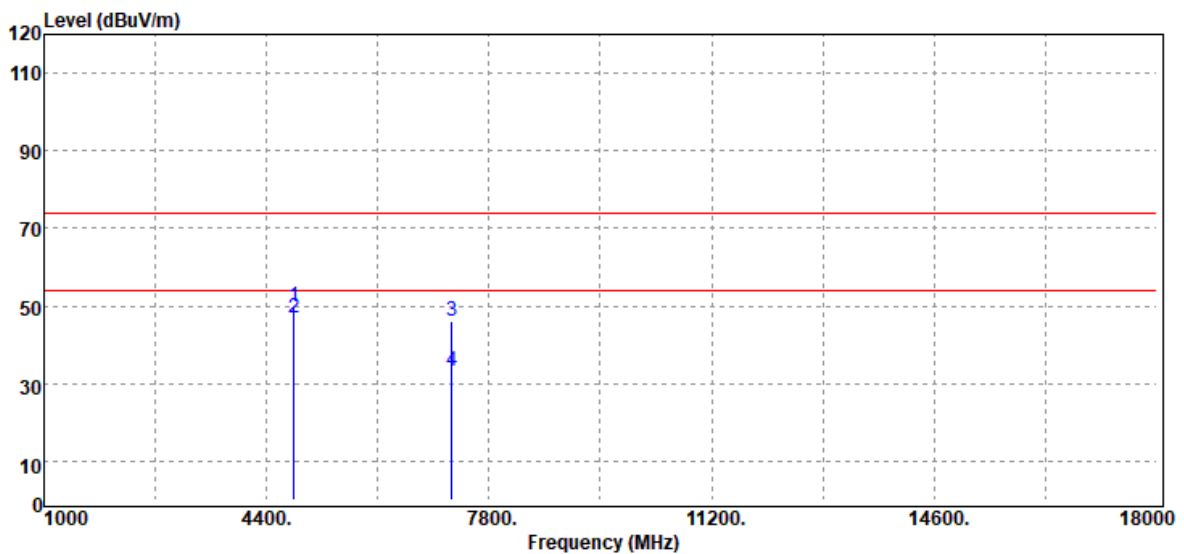


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4824.00	Peak	39.25	9.53	48.78	74.00	-25.22
4824.00	Average	34.95	9.53	44.48	54.00	-9.52
7236.00	Peak	32.48	13.41	45.89	74.00	-28.11
7236.00	Average	20.06	13.41	33.47	54.00	-20.53

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b Low CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

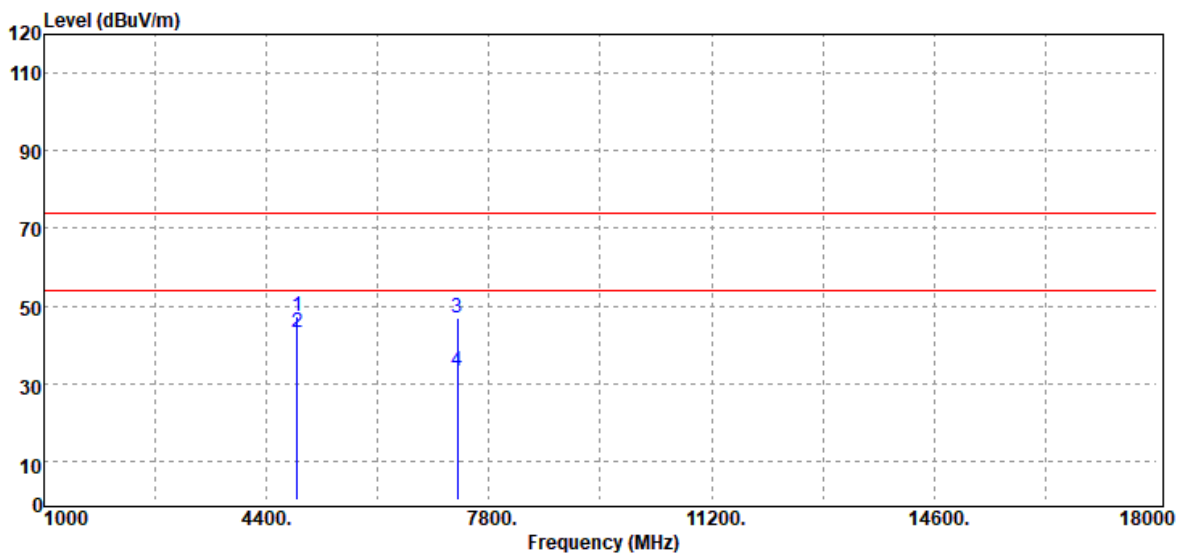


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4824.00	Peak	40.37	9.53	49.90	74.00	-24.10
4824.00	Average	37.22	9.53	46.75	54.00	-7.25
7236.00	Peak	32.65	13.41	46.06	74.00	-27.94
7236.00	Average	20.00	13.41	33.41	54.00	-20.59

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b Mid CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

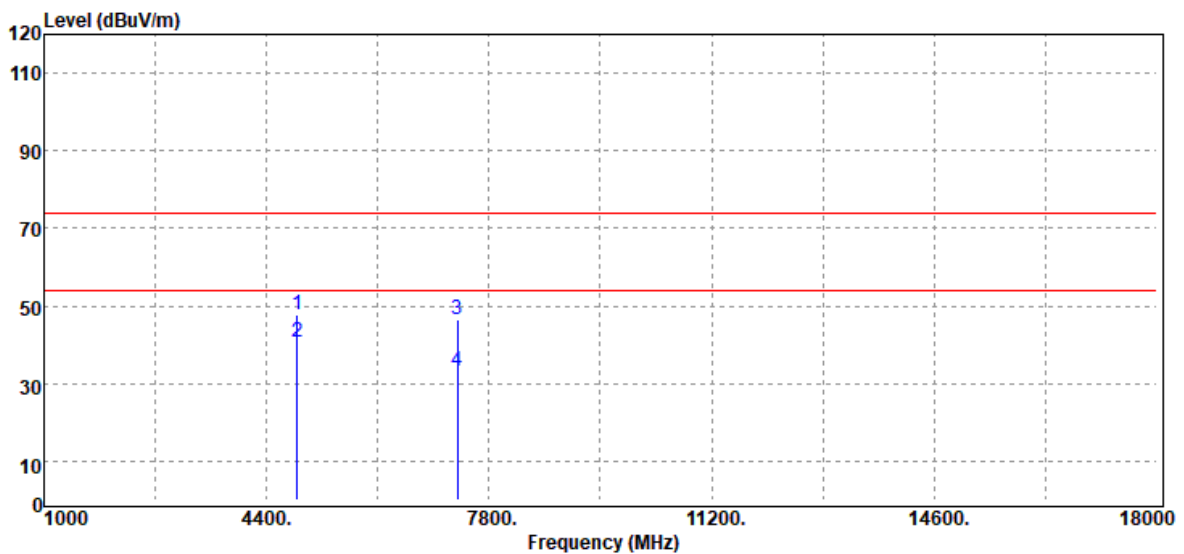


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4874.00	Peak	37.73	9.59	47.32	74.00	-26.68
4874.00	Average	33.78	9.59	43.37	54.00	-10.63
7311.00	Peak	33.68	13.24	46.92	74.00	-27.08
7311.00	Average	19.88	13.24	33.12	54.00	-20.88

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b Mid CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

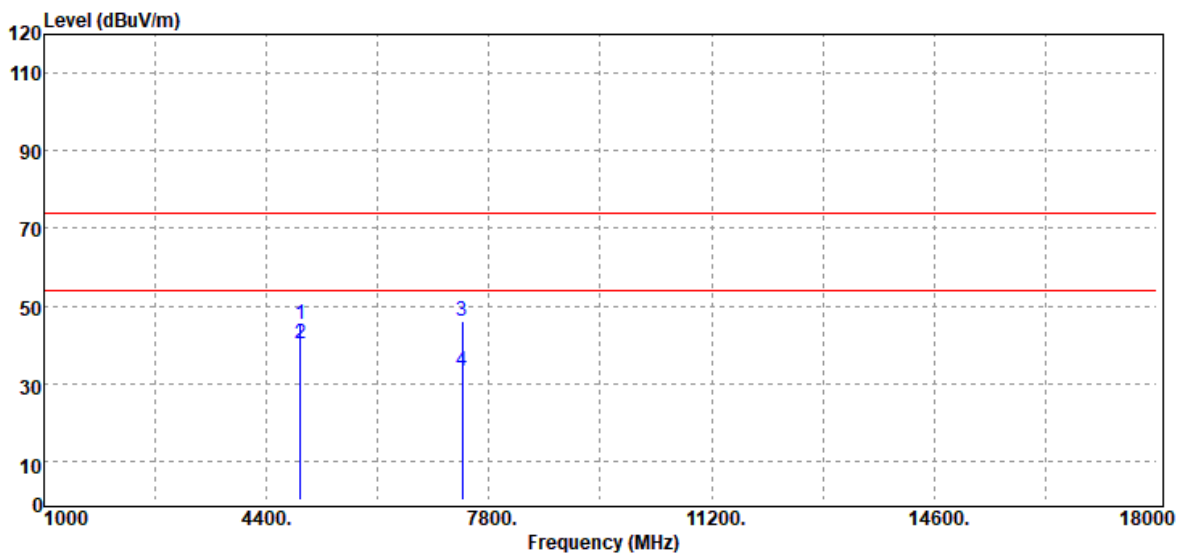


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4874.00	Peak	38.26	9.59	47.85	74.00	-26.15
4874.00	Average	31.31	9.59	40.90	54.00	-13.10
7311.00	Peak	33.31	13.24	46.55	74.00	-27.45
7311.00	Average	19.92	13.24	33.16	54.00	-20.84

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b High CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

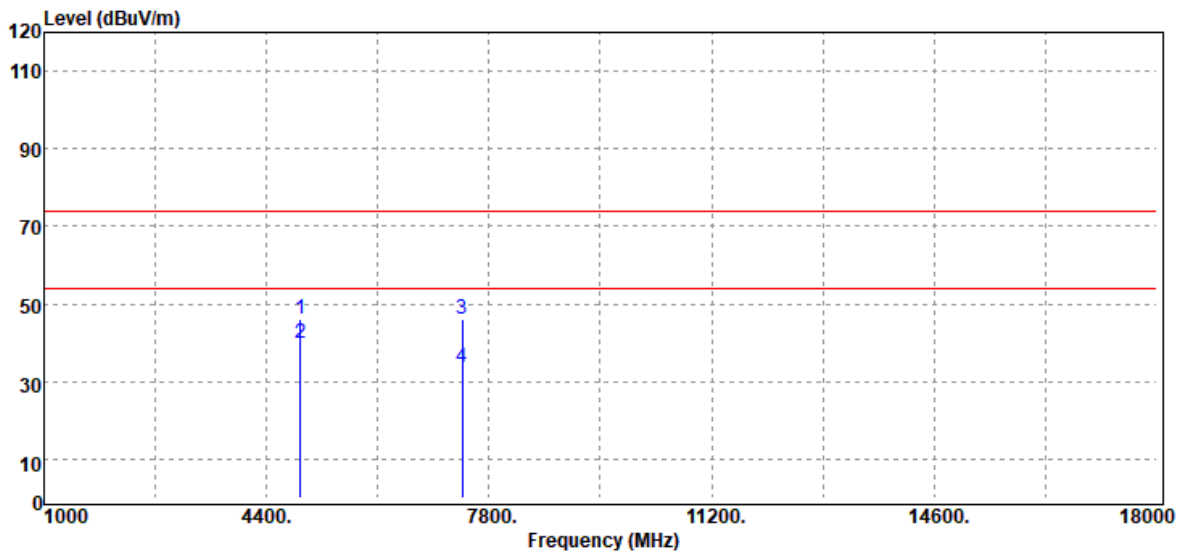


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4924.00	Peak	35.44	9.63	45.07	74.00	-28.93
4924.00	Average	30.69	9.63	40.32	54.00	-13.68
7386.00	Peak	32.74	13.43	46.17	74.00	-27.83
7386.00	Average	19.94	13.43	33.37	54.00	-20.63

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b High CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

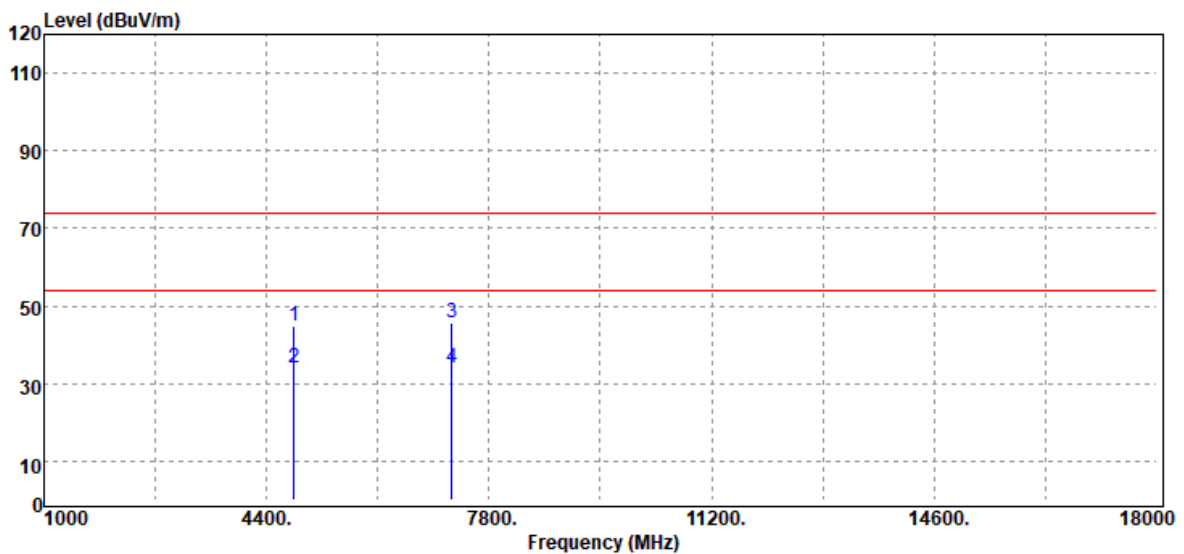


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4924.00	Peak	36.45	9.63	46.08	74.00	-27.92
4924.00	Average	30.20	9.63	39.83	54.00	-14.17
7386.00	Peak	32.66	13.43	46.09	74.00	-27.91
7386.00	Average	20.03	13.43	33.46	54.00	-20.54

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g Low CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

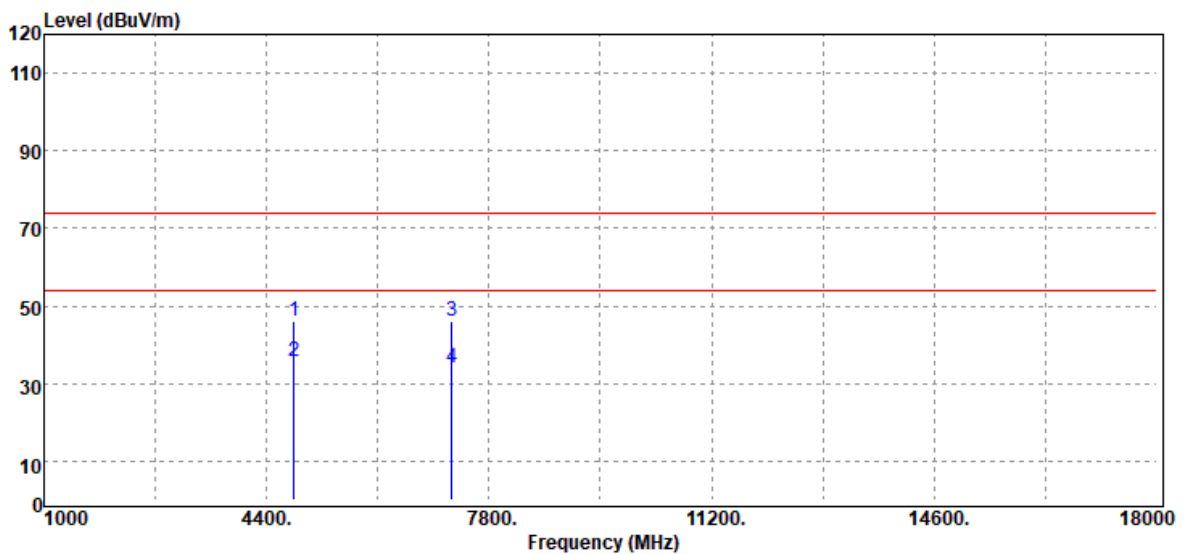


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4824.00	Peak	35.41	9.53	44.94	74.00	-29.06
4824.00	Average	24.65	9.53	34.18	54.00	-19.82
7236.00	Peak	32.26	13.41	45.67	74.00	-28.33
7236.00	Average	20.50	13.41	33.91	54.00	-20.09

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g Low CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

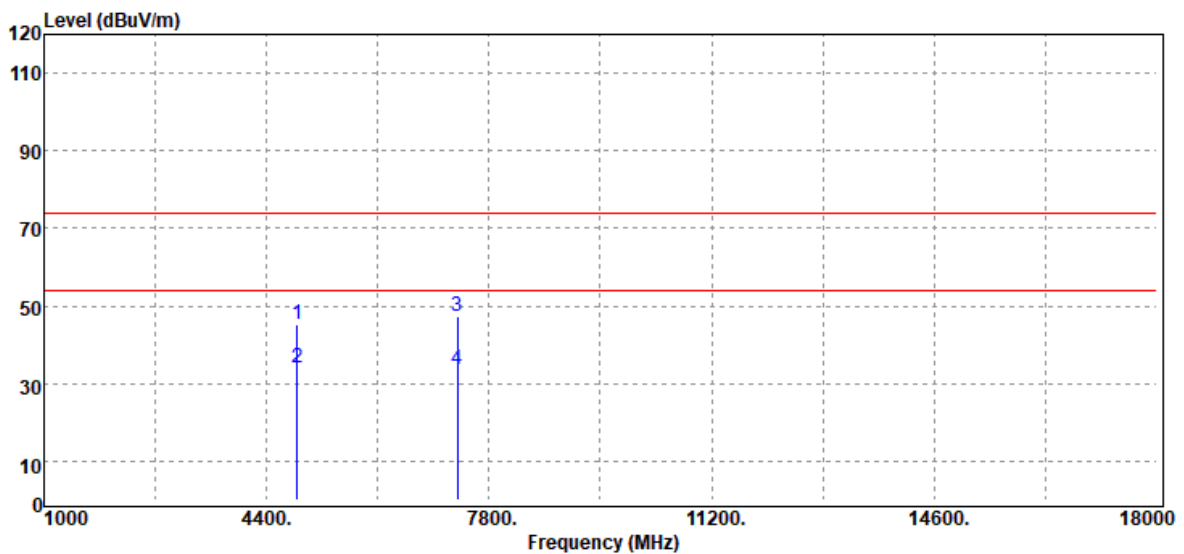


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4824.00	Peak	36.46	9.53	45.99	74.00	-28.01
4824.00	Average	26.23	9.53	35.76	54.00	-18.24
7236.00	Peak	32.60	13.41	46.01	74.00	-27.99
7236.00	Average	20.52	13.41	33.93	54.00	-20.07

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g Mid CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

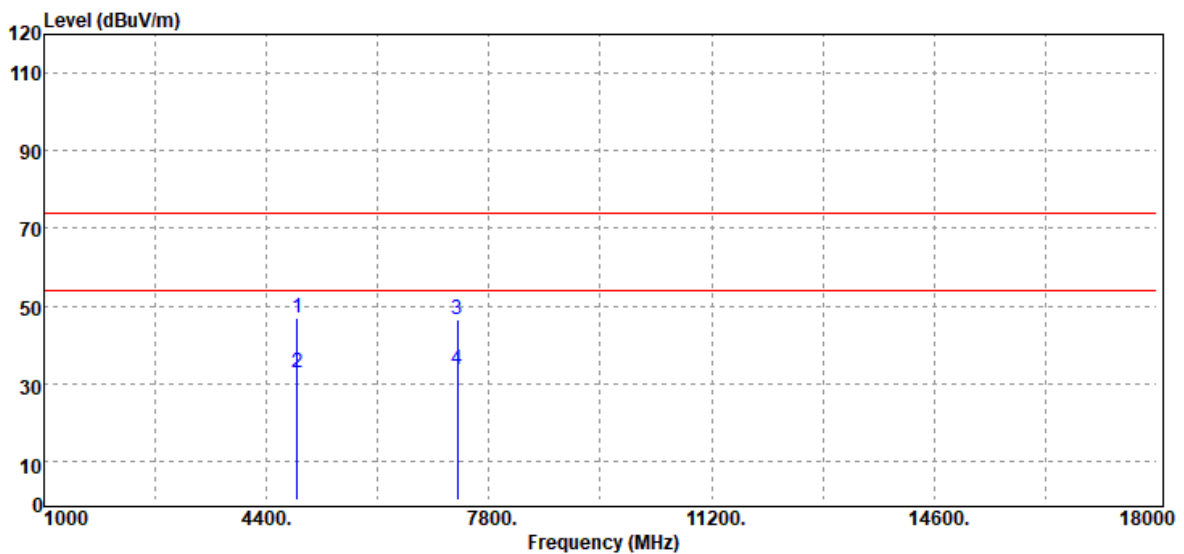


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4874.00	Peak	35.61	9.59	45.20	74.00	-28.80
4874.00	Average	24.36	9.59	33.95	54.00	-20.05
7311.00	Peak	34.30	13.24	47.54	74.00	-26.46
7311.00	Average	20.50	13.24	33.74	54.00	-20.26

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g Mid CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

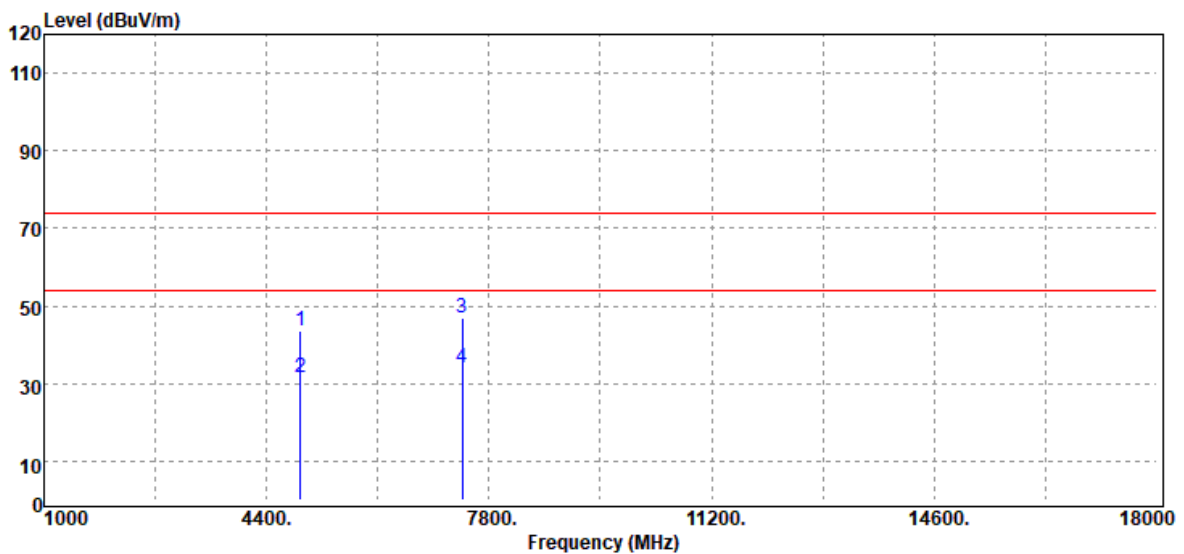


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4874.00	Peak	37.49	9.59	47.08	74.00	-26.92
4874.00	Average	23.41	9.59	33.00	54.00	-21.00
7311.00	Peak	33.09	13.24	46.33	74.00	-27.67
7311.00	Average	20.51	13.24	33.75	54.00	-20.25

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g High CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

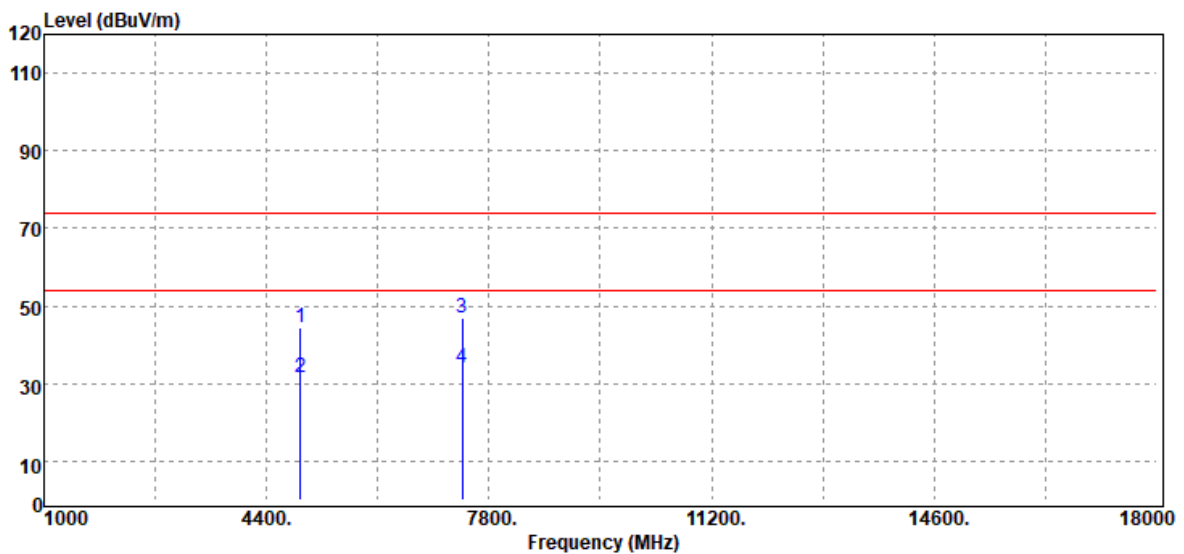


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4924.00	Peak	34.04	9.63	43.67	74.00	-30.33
4924.00	Average	22.12	9.63	31.75	54.00	-22.25
7386.00	Peak	33.55	13.43	46.98	74.00	-27.02
7386.00	Average	20.56	13.43	33.99	54.00	-20.01

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g High CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

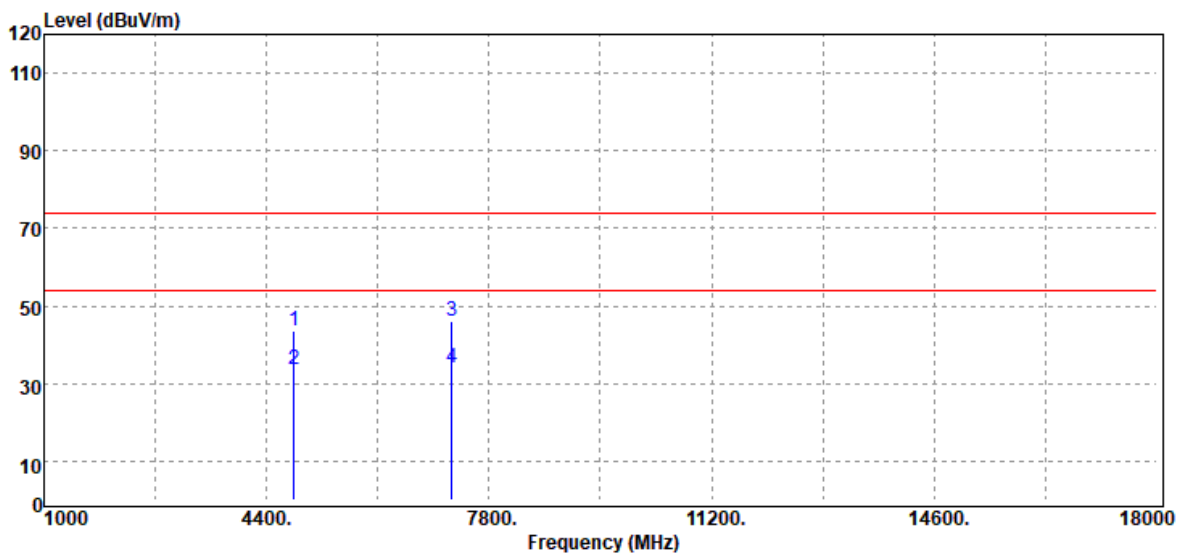


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4924.00	Peak	34.85	9.63	44.48	74.00	-29.52
4924.00	Average	22.02	9.63	31.65	54.00	-22.35
7386.00	Peak	33.57	13.43	47.00	74.00	-27.00
7386.00	Average	20.66	13.43	34.09	54.00	-19.91

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 Low CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

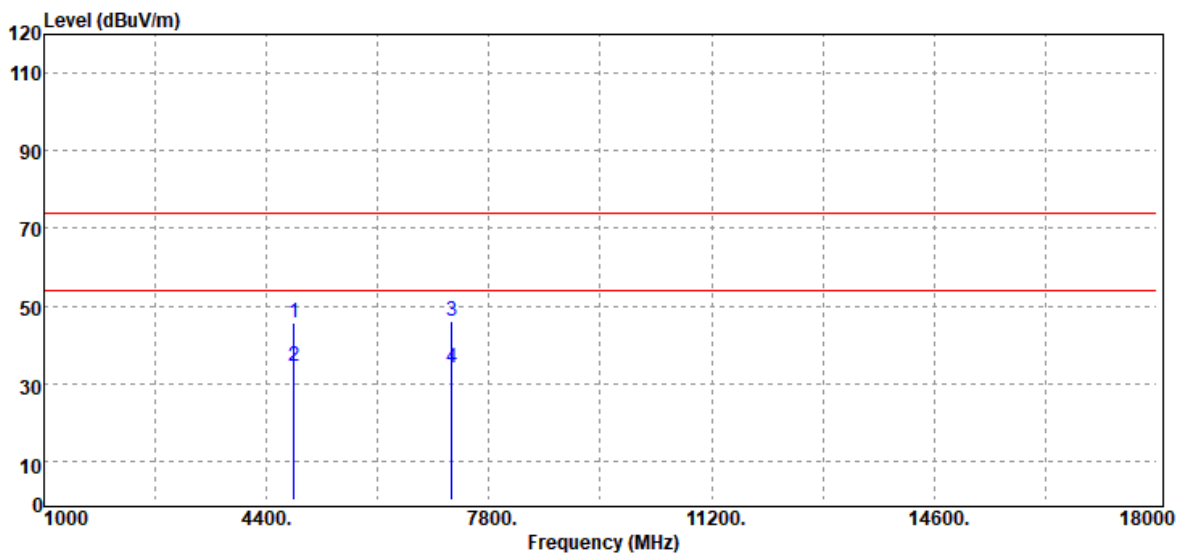


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4824.00	Peak	34.25	9.53	43.78	74.00	-30.22
4824.00	Average	24.04	9.53	33.57	54.00	-20.43
7236.00	Peak	32.64	13.41	46.05	74.00	-27.95
7236.00	Average	20.58	13.41	33.99	54.00	-20.01

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 Low CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

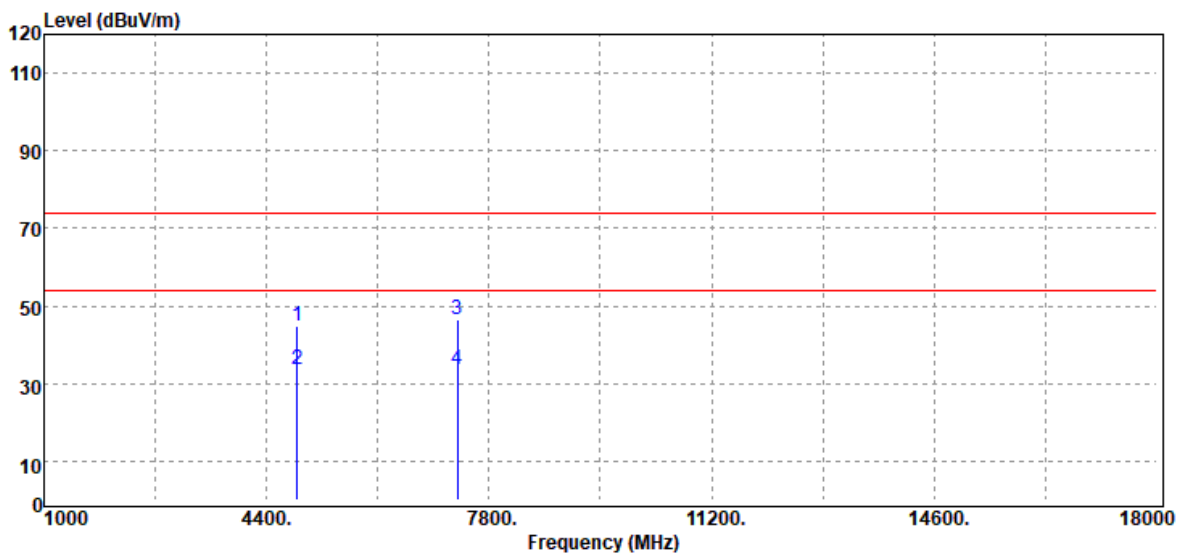


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4824.00	Peak	35.95	9.53	45.48	74.00	-28.52
4824.00	Average	24.81	9.53	34.34	54.00	-19.66
7236.00	Peak	32.63	13.41	46.04	74.00	-27.96
7236.00	Average	20.61	13.41	34.02	54.00	-19.98

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 Mid CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

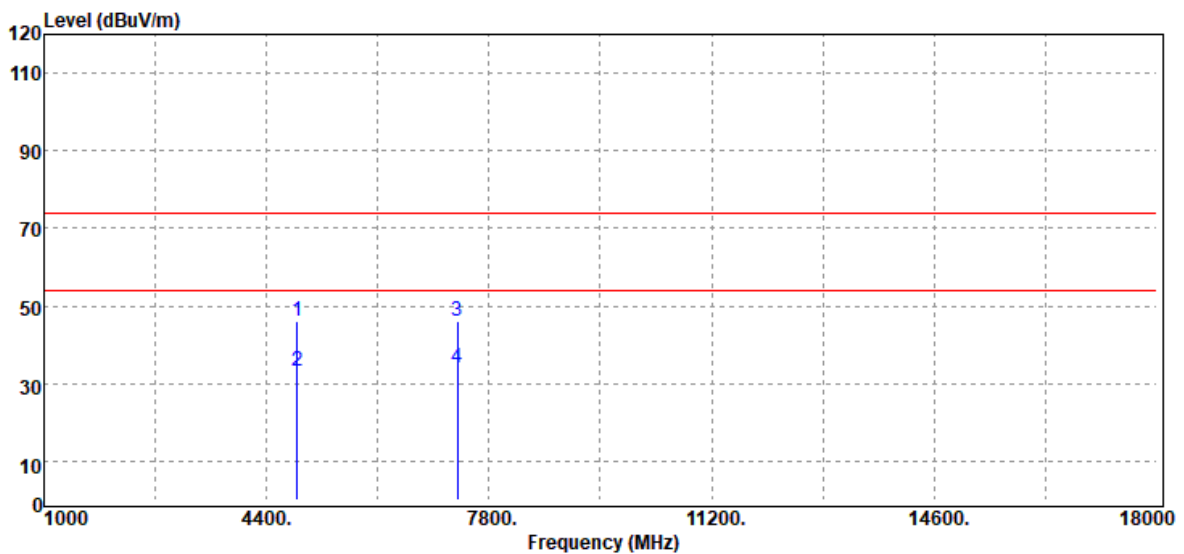


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4874.00	Peak	35.35	9.59	44.94	74.00	-29.06
4874.00	Average	23.92	9.59	33.51	54.00	-20.49
7311.00	Peak	33.29	13.24	46.53	74.00	-27.47
7311.00	Average	20.48	13.24	33.72	54.00	-20.28

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 Mid CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

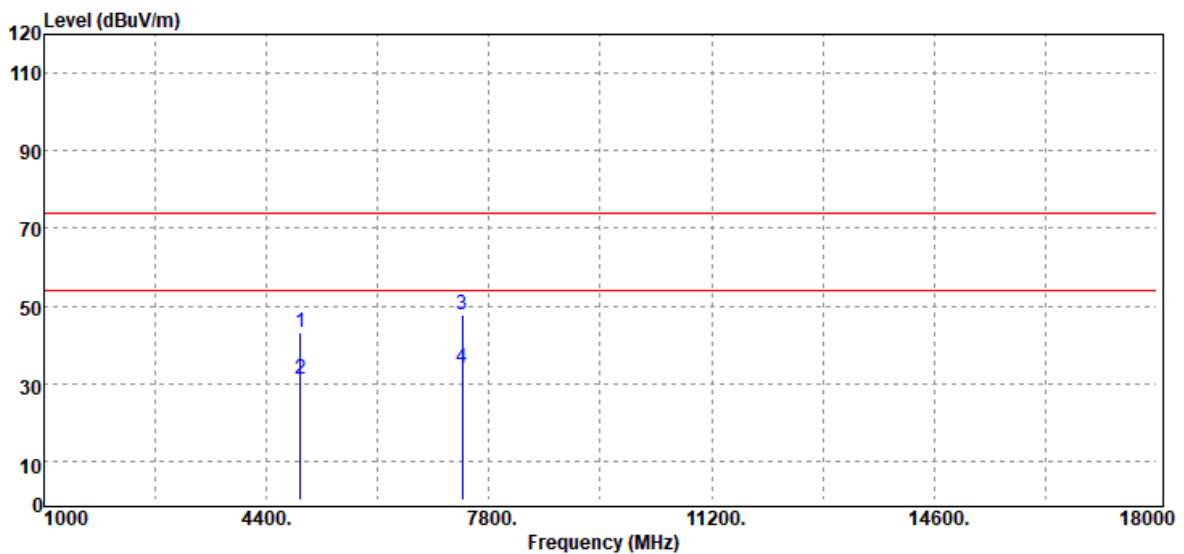


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4874.00	Peak	36.68	9.59	46.27	74.00	-27.73
4874.00	Average	23.69	9.59	33.28	54.00	-20.72
7311.00	Peak	32.86	13.24	46.10	74.00	-27.90
7311.00	Average	20.72	13.24	33.96	54.00	-20.04

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 High CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

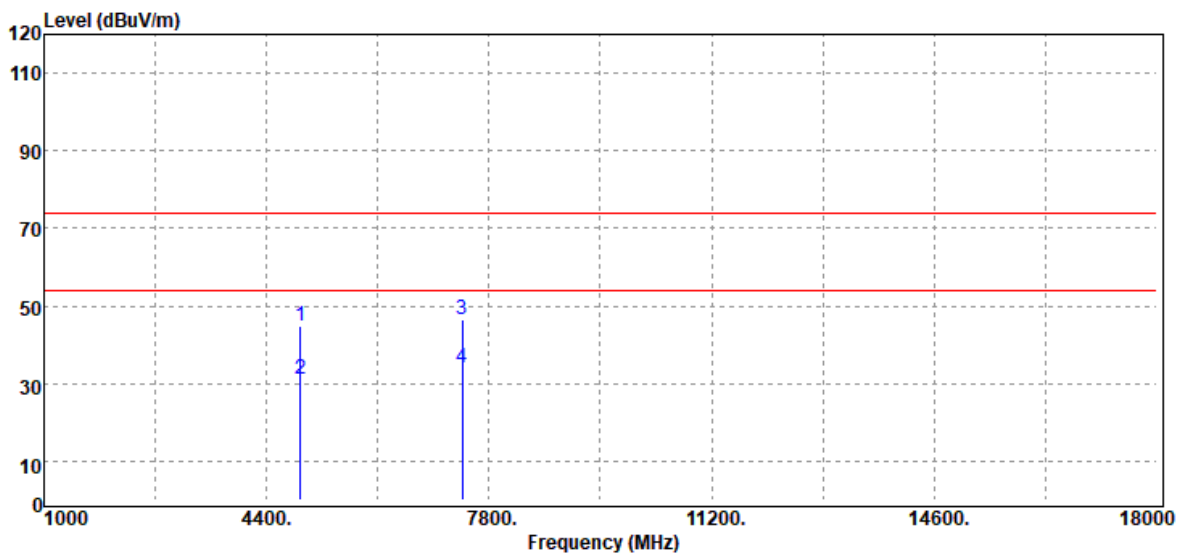


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4924.00	Peak	33.56	9.63	43.19	74.00	-30.81
4924.00	Average	21.39	9.63	31.02	54.00	-22.98
7386.00	Peak	34.11	13.43	47.54	74.00	-26.46
7386.00	Average	20.53	13.43	33.96	54.00	-20.04

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 High CH	Temp/Hum	20.9(°C)/ 60%RH
Test Item	Harmonic	Test Date	December 7, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	1GHz ~ 18GHz

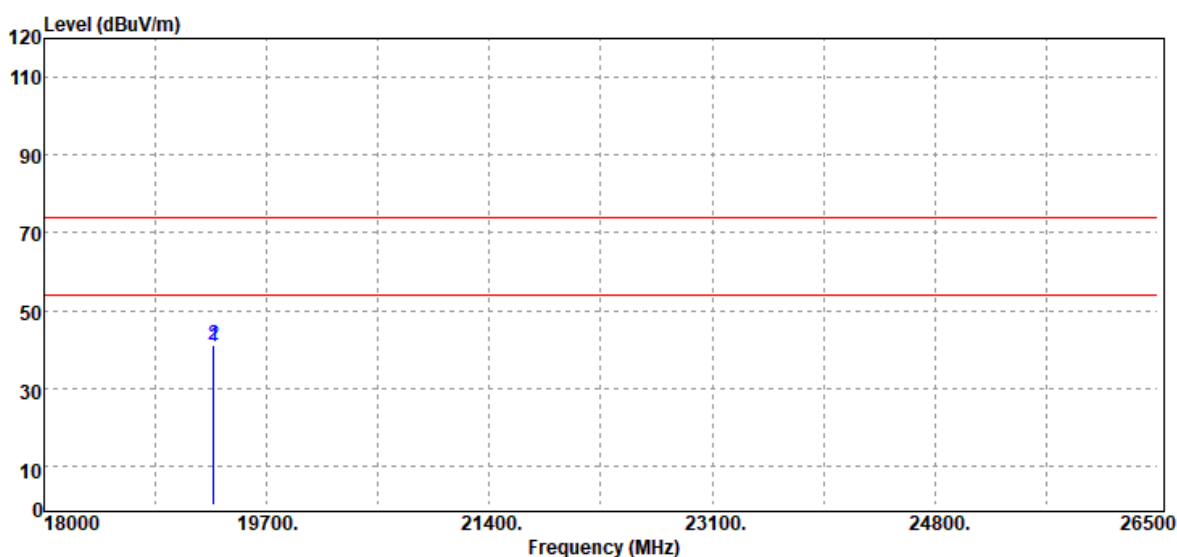


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
4924.00	Peak	35.32	9.63	44.95	74.00	-29.05
4924.00	Average	21.36	9.63	30.99	54.00	-23.01
7386.00	Peak	33.28	13.43	46.71	74.00	-27.29
7386.00	Average	20.51	13.43	33.94	54.00	-20.06

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b Low CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

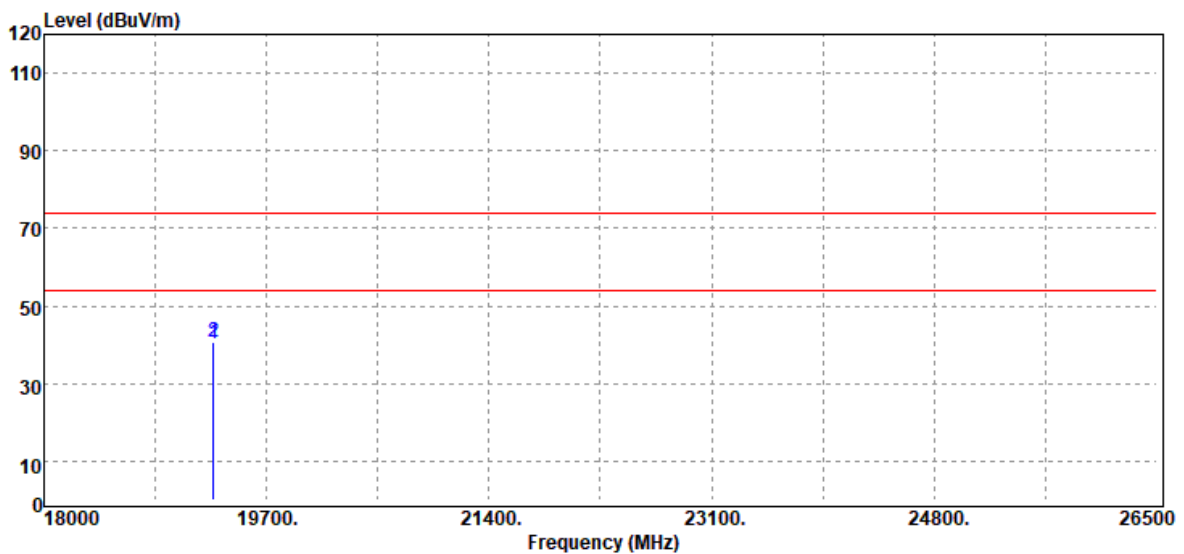


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19296.00	Peak	28.79	11.98	40.77	74.00	-33.23
19296.00	Average	29.20	11.98	41.18	54.00	-12.82
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b Low CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

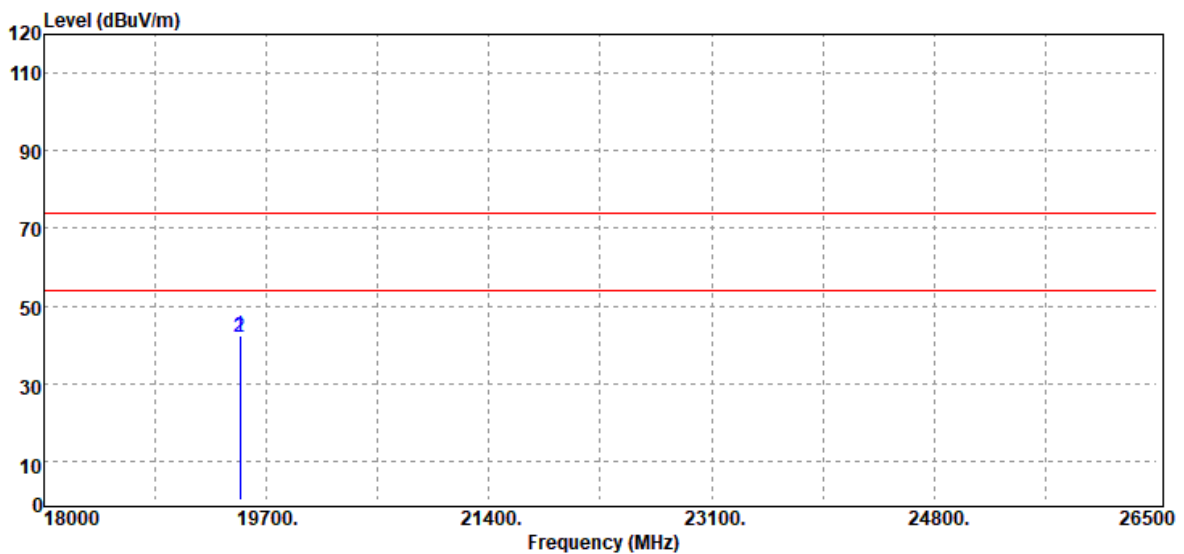


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19296.00	Peak	28.38	11.98	40.36	74.00	-33.64
19296.00	Average	28.77	11.98	40.75	54.00	-13.25
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b Mid CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

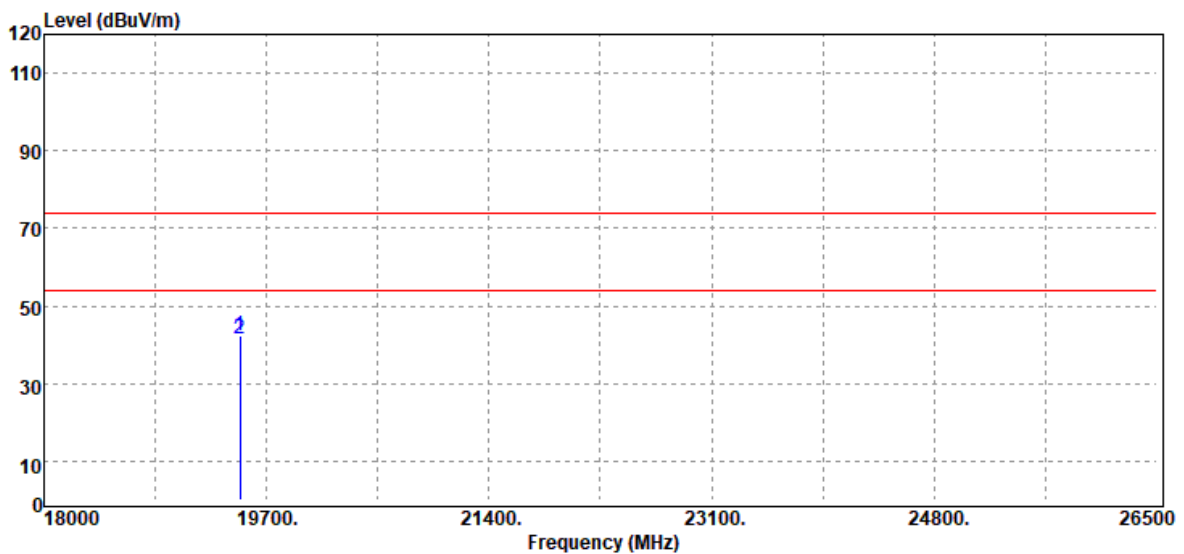


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19496.00	Peak	29.42	12.86	42.28	74.00	-31.72
19496.00	Average	29.13	12.86	41.99	54.00	-12.01
N/A						

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b Mid CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

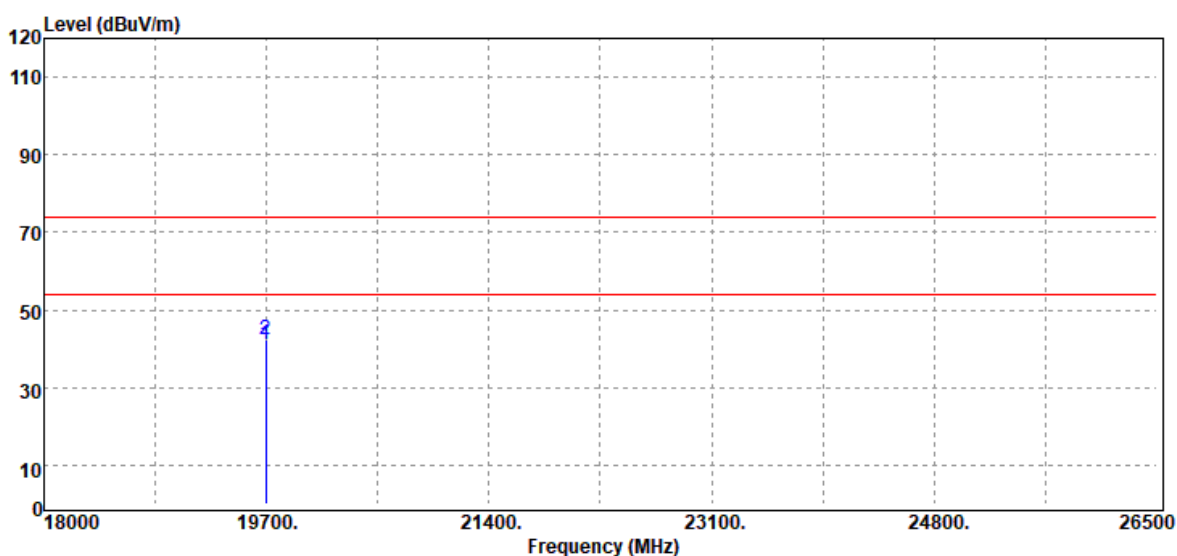


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19496.00	Peak	29.49	12.86	42.35	74.00	-31.65
19496.00	Average	28.78	12.86	41.64	54.00	-12.36
N/A						

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b High CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

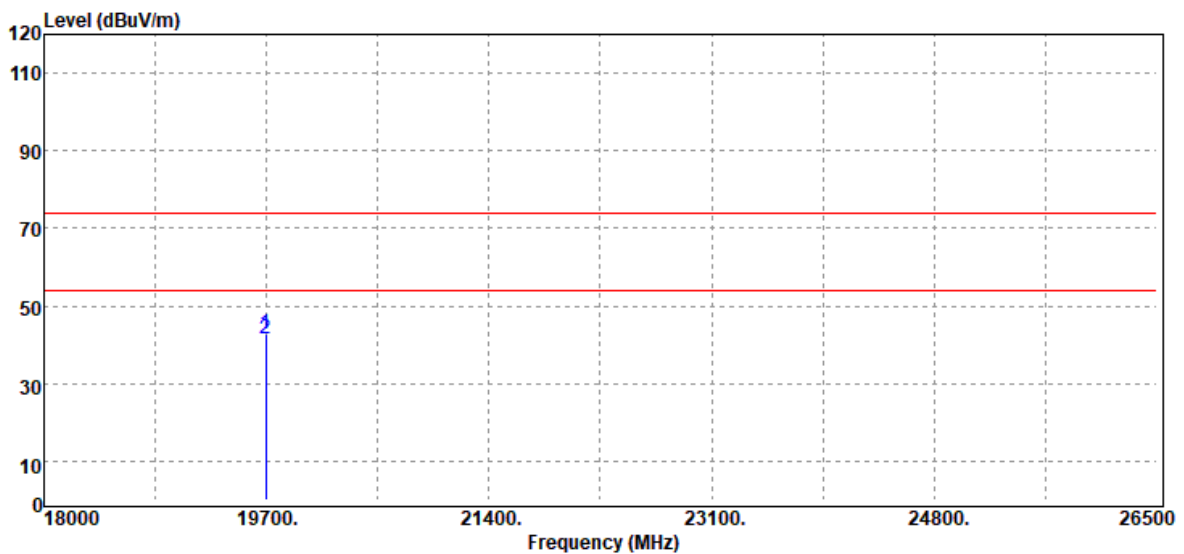


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19696.00	Peak	27.85	13.44	41.29	74.00	-32.71
19696.00	Average	28.73	13.44	42.17	54.00	-11.83
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11b High CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

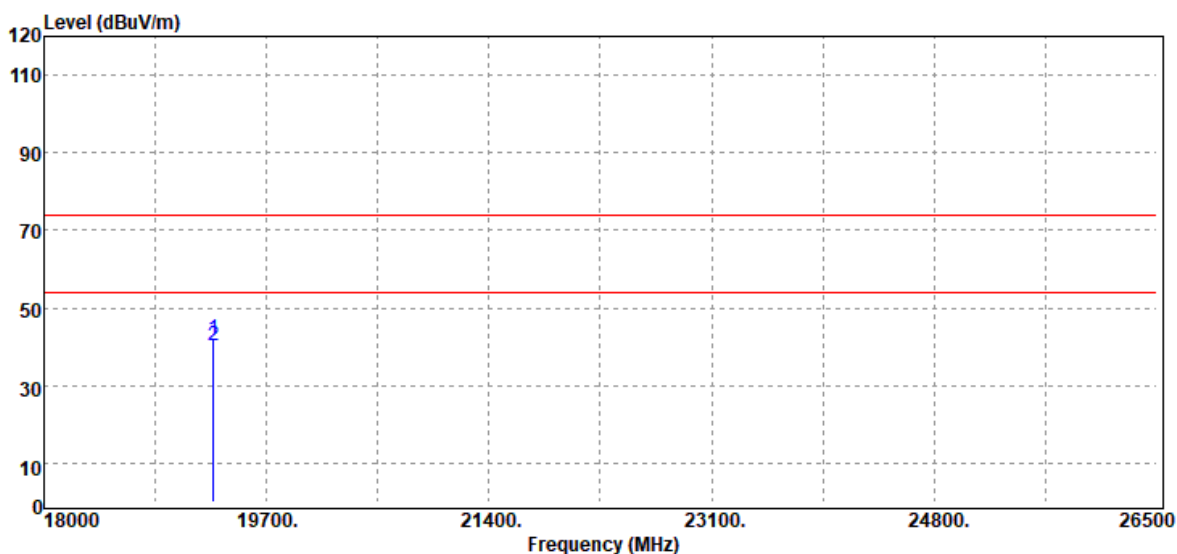


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19696.00	Peak	29.53	13.44	42.97	74.00	-31.03
19696.00	Average	28.24	13.44	41.68	54.00	-12.32
N/A						

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g Low CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

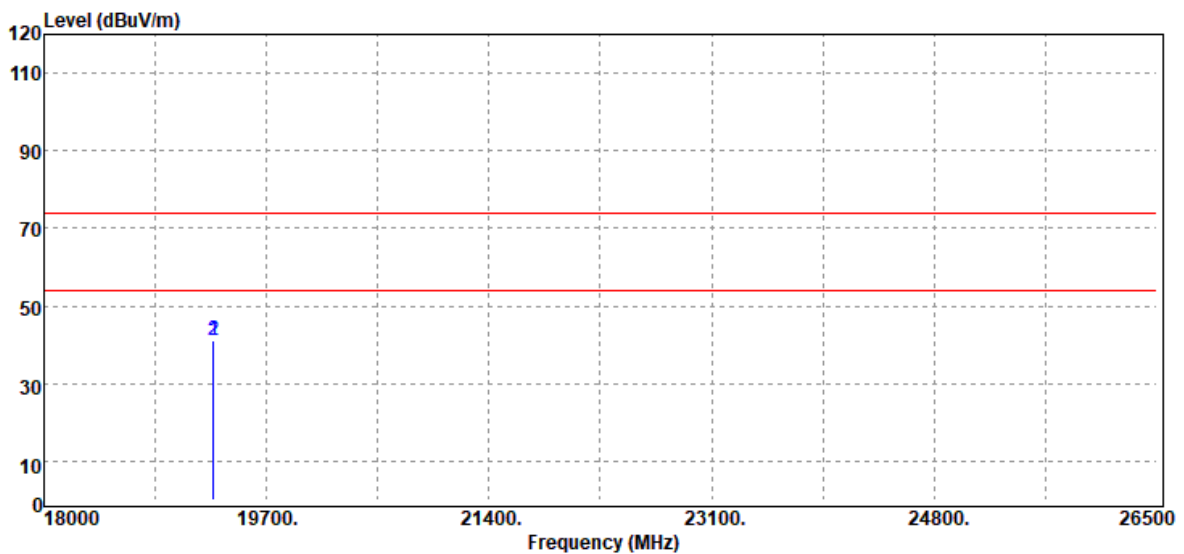


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19296.00	Peak	29.90	11.98	41.88	74.00	-32.12
19296.00	Average	28.43	11.98	40.41	54.00	-13.59
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g Low CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

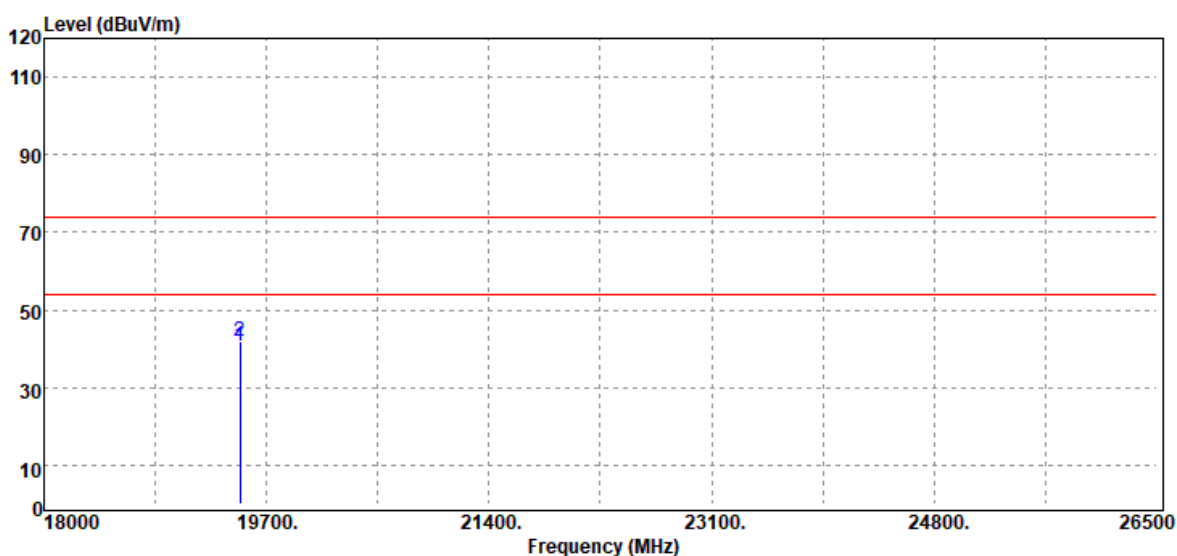


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19296.00	Peak	29.08	11.98	41.06	74.00	-32.94
19296.00	Average	28.97	11.98	40.95	54.00	-13.05
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g Mid CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

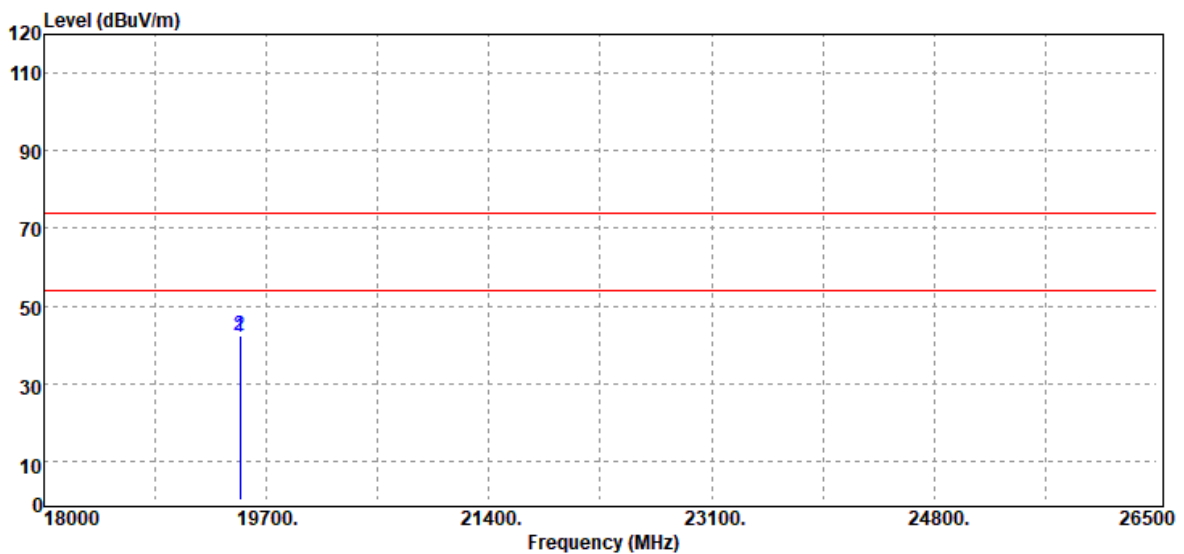


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19496.00	Peak	27.78	12.86	40.64	74.00	-33.36
19496.00	Average	29.13	12.86	41.99	54.00	-12.01
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g Mid CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

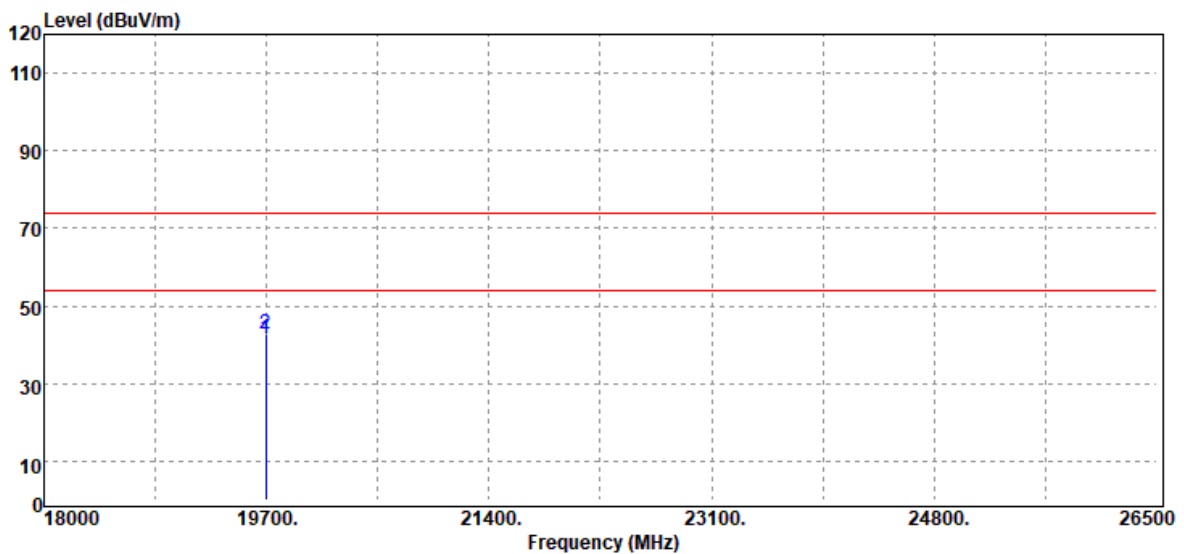


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19496.00	Peak	29.00	12.86	41.86	74.00	-32.14
19496.00	Average	29.42	12.86	42.28	54.00	-11.72
N/A						

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g High CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

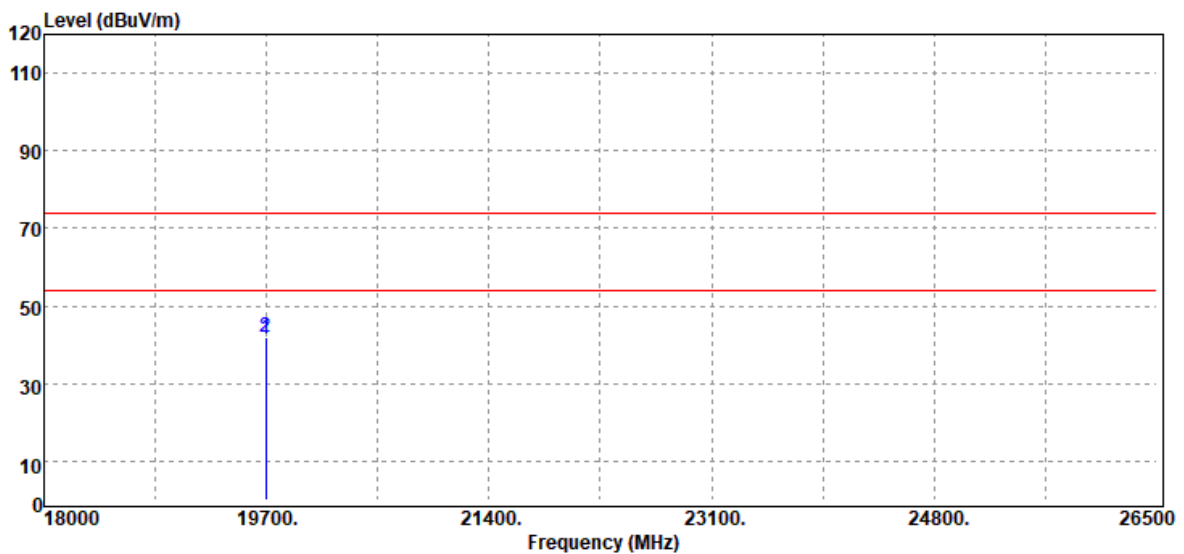


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19696.00	Peak	27.96	13.44	41.40	74.00	-32.60
19696.00	Average	29.24	13.44	42.68	54.00	-11.32
N/A						

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11g High CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

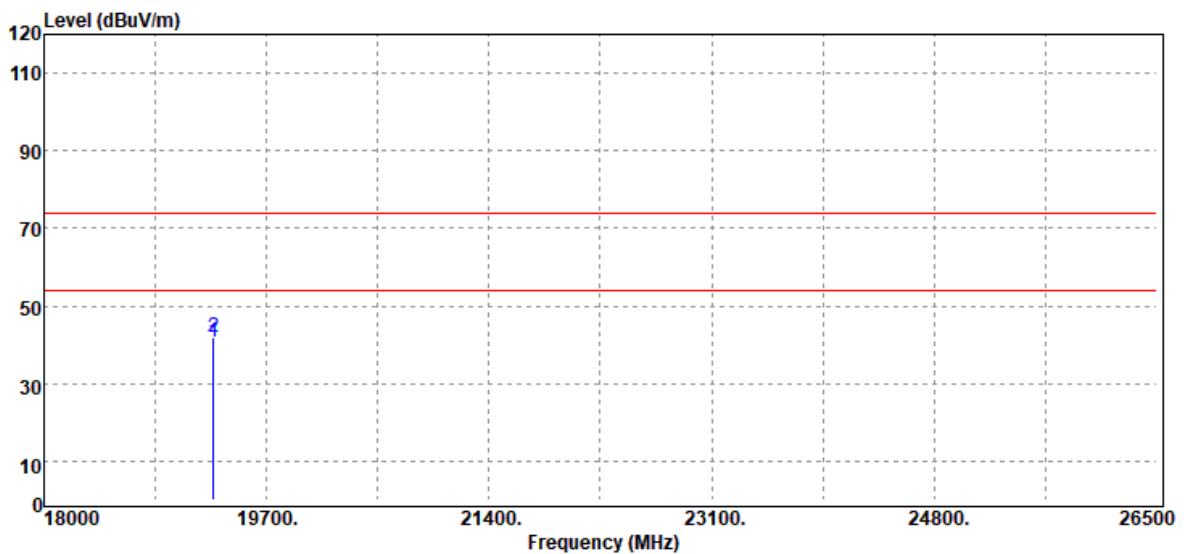


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19696.00	Peak	28.21	13.44	41.65	74.00	-32.35
19696.00	Average	28.43	13.44	41.87	54.00	-12.13
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 Low CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

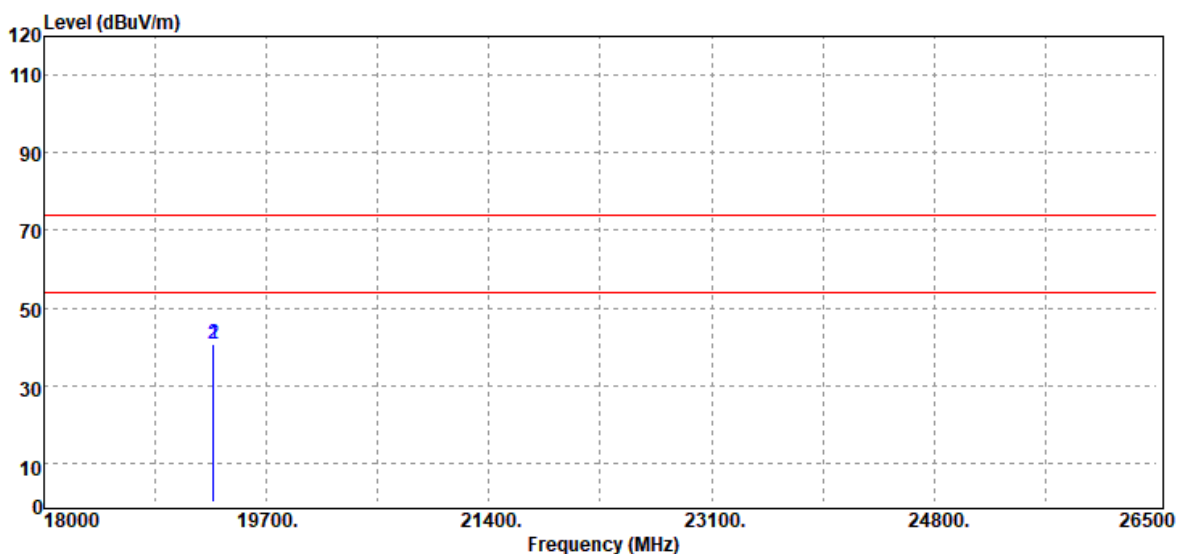


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19296.00	Peak	28.59	11.98	40.57	74.00	-33.43
19296.00	Average	29.75	11.98	41.73	54.00	-12.27
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 Low CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

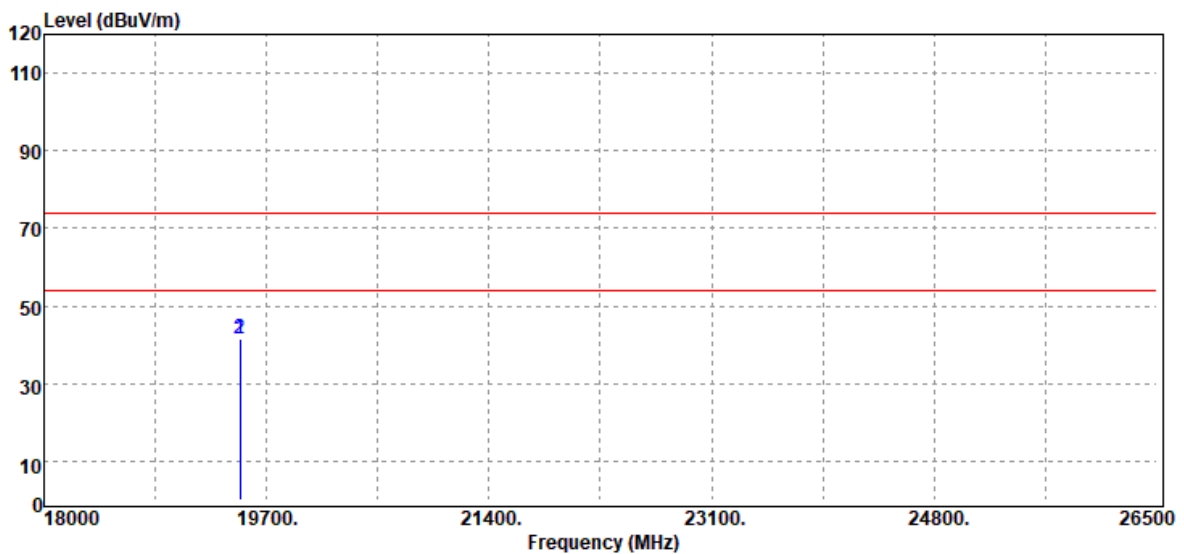


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19296.00	Peak	28.58	11.98	40.56	74.00	-33.44
19296.00	Average	28.64	11.98	40.62	54.00	-13.38
N/A						

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 Mid CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

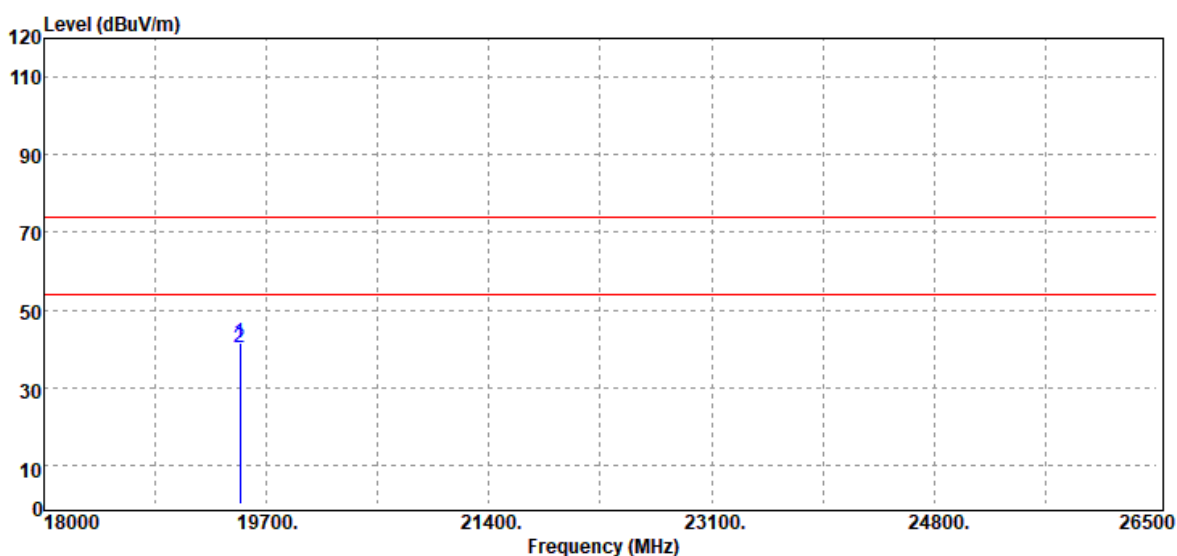


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19496.00	Peak	28.54	12.86	41.40	74.00	-32.60
19496.00	Average	28.58	12.86	41.44	54.00	-12.56
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 Mid CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

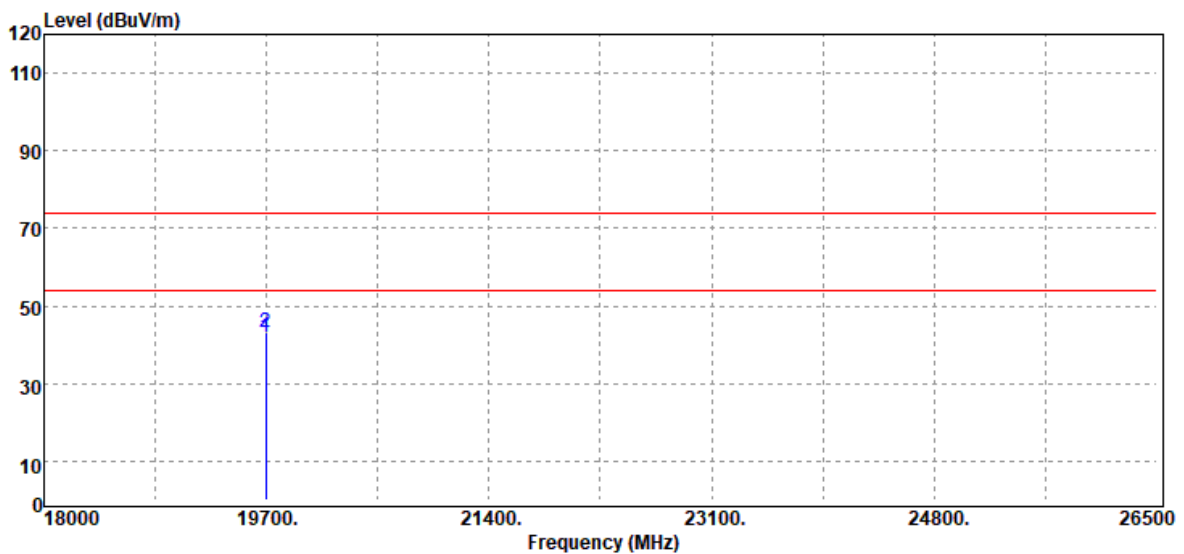


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19496.00	Peak	28.86	12.86	41.72	74.00	-32.28
19496.00	Average	27.44	12.86	40.30	54.00	-13.70
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 High CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Vertical	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz

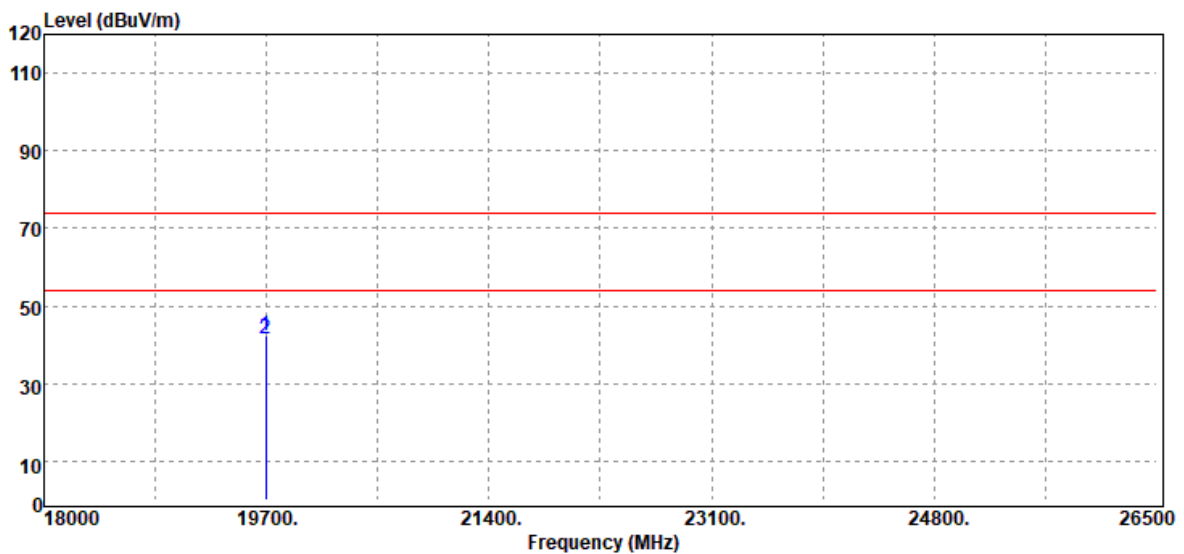


Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19696.00	Peak	28.64	13.44	42.08	74.00	-31.92
19696.00	Average	29.82	13.44	43.26	54.00	-10.74
N/A						

Remark:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

Test Mode	IEEE 802.11n HT20 High CH	Temp/Hum	21.8(°C)/ 64%RH
Test Item	Harmonic	Test Date	December 22, 2021
Polarize	Horizontal	Test Engineer	Ray Li
Detector	Peak & Average	Frequency	18GHz ~ 26.5GHz



Freq. (MHz)	Detector Mode (PK/QP/AV)	Spectrum Reading Level (dBμV)	Factor (dB)	Actual FS (dBμV/m)	Limit @3m (dBμV/m)	Margin (dB)
19696.00	Peak	28.94	13.44	42.38	74.00	-31.62
19696.00	Average	27.95	13.44	41.39	54.00	-12.61
N/A						

Remark:

- Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.

- End of Test Report -