



CFR 47 FCC PART 15 SUBPART E TEST REPORT

For

Headphone

MODEL NUMBER: S49

REPORT NUMBER: 4791057978-1-RF-4

ISSUE DATE: December 29, 2023

FCC ID: SBVRM049

Prepared for

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Prepared by

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	December 29, 2023	Initial Issue	



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Summary of Test Results

Test Item	Clause	Limit/Requirement	Result
Duty Cycle ANSI C63.10-2013, Clause 12.2		None; for reporting purposes only.	Pass
6dB and 26dB Emission Bandwidth And 99% Occupied Section C.1 Bandwidth		FCC Part 15.407 (a)/(e),	Pass
Conducted Output Power	KDB 789033 D02 v02r01 Section E.3.a (Method PM)	FCC 15.407 (a)	Pass
Power Spectral Density	KDB 789033 D02 v02r01 Section F	FCC 15.407 (a)	Pass
AC Power Line Conducted Emission	ANSI C63.10-2013, Clause 6.2.	FCC 15.207	Pass
Radiated Emissions and Band Edge Measurement	KDB 789033 D02 v02r01 Section G.3, G.4, G.5, and G.6	FCC 15.407 (b) FCC 15.209 FCC 15.205	Pass
Frequency stability	ANSI C63.10-2013, Clause 6.8	FCC 15.407 (g)	Pass
Dynamic Frequency Selection (Slave)	KDB 905462 D03 Client Without DFS New Rules v01r02	FCC Part 15.407 (h),	Pass
Dynamic Frequency Selection (Master)	KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02	FCC Part 15.407 (h),	N/A
Antenna Requirement	N/A	FCC 47 CFR Part 15.203/ 15.407(a)(1) (2),	Pass

Note:

^{1.} N/A: In this whole report not applicable.

^{*}This test report is only published to and used by the applicant, and it is not for evidence purpose in China.

^{*}The measurement result for the sample received is <Pass> according to <CFR 47 FCC PART 15 SUBPART E > when <Simple Acceptance> decision rule is applied.



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1. ATTESTATION OF TEST RESULTS

Applicant Information

Company Name: Sonos, Inc

Address: 301 COROMAR DR. GOLETA, California 93117 United States

Manufacturer Information

Company Name: Sonos, Inc

Address: 301 COROMAR DR. GOLETA, California 93117 United States

Factory Information

Company Name: Luxshare Intelligent Manufacturing Electronic Services (Kunshan)

Co., LTD.

Address: Room 2, No. 66, Third Avenue, Comprehensive Bonded Zone,

Kunshan Development Zone Kunshan City, 215300 China

EUT Information

EUT Name: Headphone

Model: S49
Brand: SONOS

Sample Received Date: December 4, 2023

Sample Status: Normal Sample ID: 6713828

Date of Tested: December 7, 2023 to December 29, 2023

APPLICABLE STANDARDS		
STANDARD	TEST RESULTS	
CFR 47 FCC PART 15 SUBPART E	Pass	

Prepared By:	Checked By:
kelo. Thurs	Danny Grany

Kebo Zhang Denny Huang

Senior Project Engineer Senior Project Engineer

Approved By:

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Operations Manager



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2. TEST METHODOLOGY

All tests were performed in accordance with the standard CFR 47 FCC PART 15 SUBPART E, ANSI C63.10-2013, CFR 47 FCC Part 2, KDB 789033 D02 v02r01, KDB414788 D01 Radiated Test Site v01, KDB 662911 D01 Multiple Transmitter Output v02r01, KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02, KDB 905462 D03 UNII clients without radar detection New Rules v01r02, KDB 905462 D04 Operational Modes for DFS Testing New Rules v01 and KDB 905462 D06 802 11 Channel Plans New Rules v02.

3. FACILITIES AND ACCREDITATION

	A2LA (Certificate No.: 4102.01)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with A2LA.
	FCC (FCC Designation No.: CN1187)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	Has been recognized to perform compliance testing on equipment subject
	to the Commission's Declaration of Conformity (DoC) and Certification
	rules
	ISED (Company No.: 21320)
Accreditation	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
Certificate	has been registered and fully described in a report filed with ISED.
	The Company Number is 21320 and the test lab Conformity Assessment
	Body Identifier (CABID) is CN0046.
	VCCI (Registration No.: G-20192, C-20153, T-20155 and R-20202)
	UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch.
	has been assessed and proved to be in compliance with VCCI, the
	Membership No. is 3793.
	Facility Name:
	Chamber D, the VCCI registration No. is G-20192 and R-20202
	Shielding Room B, the VCCI registration No. is C-20153 and T-20155

Note 1:

All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, No. 1, Li Bin Road, Song Shan Lake Hi-Tech Development Zone Dongguan, 523808, People's Republic of China.

Note 2:

The test anechoic chamber in UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch had been calibrated and compared to the open field sites and the test anechoic chamber is shown to be equivalent to or worst case from the open field site.

Note 3:

For below 30 MHz, lab had performed measurements at test anechoic chamber and comparing to measurements obtained on an open field site. And these measurements below 30 MHz had been correlated to measurements performed on an OFS.



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4. CALIBRATION AND UNCERTAINTY

4.1. MEASURING INSTRUMENT CALIBRATION

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

4.2. MEASUREMENT UNCERTAINTY

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

Test Item	Uncertainty	
Conduction emission	3.62 dB	
Radiated Emission (Included Fundamental Emission) (9 kHz ~ 30 MHz)	2.2 dB	
Radiated Emission (Included Fundamental Emission) (30 MHz ~ 1 GHz)	4.00 dB	
	5.78 dB (1 GHz ~ 18 GHz)	
Radiated Emission (Included Fundamental Emission) (1 GHz to 40 GHz)	5.23 dB (18 GHz ~ 26 GHz)	
(included i diladinental Emission) (i eniz te le eniz)	5.37 dB (26 GHz ~ 40 GHz)	
Duty Cycle	±0.028%	
Emission Bandwidth and 99% Occupied Bandwidth	±0.0196%	
Maximum Conducted Output Power	±0.766 dB	
Maximum Power Spectral Density Level	±1.22 dB	
Frequency Stability	±2.76%	
Dynamic Frequency Selection	1 ms	
Conducted Band-edge Compliance	±1.328 dB	
Conducted Unwanted Emissions In Non-restricted	±0.746 dB (9 kHz ~ 1 GHz)	
Frequency Bands	±1.328dB (1 GHz ~ 26 GHz)	
Note: This uncertainty represents an expanded uncertainty expressed at approximately the		

Note: This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.



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5. EQUIPMENT UNDER TEST

5.1. DESCRIPTION OF EUT

EUT Name	Headphone
Model	S49

Frequency Range:	5180 MHz to 5240 MHz 5260 MHz to 5320 MHz 5500 MHz to 5700 MHz 5745 MHz to 5825 MHz
DFS Operational mode:	Slave without radar detection
Type of Modulation:	IEEE 802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK) IEEE 802.11n: OFDM(64QAM, 16QAM, QPSK, BPSK)
Radio Technology:	IEEE 802.11a20 IEEE 802.11n HT20
Normal Test Voltage:	5 Vdc from USB port
Battery information:	3.89 Vdc, 1060mAh/4.124Wh

5.2. MAXIMUM POWER

IEEE Std. 802.11	Frequency (MHz)	Maximum Average Conducted Power (dBm)
а	E100 E00E	14.76
n HT20	5180 ~ 5825	12.21



5.3. CHANNEL LIST

0.0.	OHAMILE LIGH	
	UNII-	1
	(For Bandwidtl	h=20MHz)
	Channel	Frequency
	Charine	(MHz)
	36	5180
	40	5200
	44	5220
	48	5240

UNII-2A (For Bandwidth=20MHz)		
Channel Frequency (MHz)		
52	5260	
56	5280	
60	5300	
64	5320	

UNII-2C (For Bandwidth=20MHz)		
Channel	Frequency (MHz)	
100	5500	
104	5520	
108	5540	
112	5560	
116	5580	
120	*5600	
124	*5620	
128	*5640	
132	5660	
136	5680	
140	5700	
/		

* Note: Not operational in Canada

The state of the s			
UNII-3			
(For Bandwidth=20MHz)			
Channel	Frequency		
Grianner	(MHz)		
149	5745		
153	5765		
157	5785		
161	5805		
165	5825		
153 157 161	5745 5765 5785 5805		

Straddle Test Channel Configuration		
Test Channel Number Frequency		
CH 144	5720 MHz	



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5.4. TEST CHANNEL CONFIGURATION

UNII-1 Test Channel Configuration		
IEEE Std.	IEEE Std. Test Channel Number Fre	
802.11a CH 36(Low Channel), CH 40(MID Channel), CH 48(High Channel)		5180 MHz, 5200 MHz, 5240 MHz
802.11n HT20	CH 36(Low Channel), CH 40(MID Channel), CH 48(High Channel)	5180 MHz, 5200 MHz, 5240 MHz

UNII-2A Test Channel Configuration		
IEEE Std. Test Channel Number Frequency		
802.11a CH 52(Low Channel), CH 56(MID Channel), CH 64(High Channel)		5260 MHz, 5280 MHz, 5320 MHz
802.11n HT20	CH 52(Low Channel), CH 56(MID Channel), CH 64(High Channel)	5260 MHz, 5280 MHz, 5320 MHz

UNII-2C Test Channel Configuration		
IEEE Std. Test Channel Number Frequency		Frequency
CH 100(Low Channel), CH 116(MID Channel), CH 140(High Channel)		5500 MHz, 5580 MHz, 5700 MHz
802.11n HT20	CH 100(Low Channel), CH 116(MID Channel), CH 140(High Channel)	5500 MHz, 5580 MHz, 5700 MHz

UNII-3 Test Channel Configuration		
IEEE Std. Test Channel Number Frequency		
CH 149(Low Channel), CH 157(MID Channel), CH 165(High Channel)		5745 MHz, 5785 MHz, 5825 MHz
802.11n HT20	CH 149(Low Channel), CH 157(MID Channel), CH 165(High Channel)	5745 MHz, 5785 MHz, 5825 MHz

Straddle Test Channel Configuration			
IEEE Std. Test Channel Number Frequency			
802.11a CH 144 5720 MHz			
802.11n HT20	CH 144	5720 MHz	



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5.5. THE WORSE CASE POWER SETTING PARAMETER

The Worse Case Power Setting Parameter		
Test Software	ART	

Mode	Freq(MHz)	Tx power level f	Tx power level from ART (dBm)	
		ANT1	ANT2	
	5180	12.5	12.5	
	5200	13	13	
	5240	13	13	
	5260	13	13	
	5280	13	13	
	5320	13	12	
	5500	13	13	
802.11a	5580	13	13	
	5700	12	13	
	5720-2c	12	13	
	57003	12	13	
	5745	11.5	12	
	5785	13	13	
	5825	13	14	
	5180	10	10	
	5200	10	10	
	5240	10	10	
	5260	10	10	
	5280	10	10	
	5320	10	9	
	5500	10	10	
802.11n HT20	5580	10	9	
	5700	8.5	10	
	5720-2c	8.5	10	
	57003	8.5	10	
	5745	9	10	
	5785	10	10	
	5825	10	12	



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5.6. WORSE CASE CONFIGURATIONS

The EUT was tested in the following configuration(s):

Controlled in test mode using a software application on the EUT supplied by customer. The application was used to enable a continuous transmission and to select the mode, test channels, bandwidth, data rates as required.

Test channels referring to section 5.4.

Maximum power setting referring to section 5.5.

Worst case Data Rates declared by the customer:

802.11a 20 mode: 6 Mbps 802.11n HT20 mode: MCS0

EUT only support SISO mode.

The measured additional path loss was included in any path loss calculations for all RF cable used during tested.

Radiated emissions tests were performed with ANT 2. These were found to be the worst modulation scheme with regards to emissions after preliminary investigations and, as this mode emits the highest conducted output power level, it was deemed to be the worst case.



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5.7. DESCRIPTION OF AVAILABLE ANTENNAS

Antenna No.	Frequency Band	Antenna Type	Max Antenna Gain (dBi)
1	5150-5850	Monopole Antenna	2.5
2	5150-5850	Monopole Antenna	2.1

IEE Std. 802.11	Transmit and Receive Mode	Description
802.11a	⊠1TX, 1RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.
802.11n HT20	⊠1TX, 1RX	ANT 1 and ANT 2 can be used as transmitting/receiving antenna.

Note:

- 1. WLAN and BT can transmit simultaneously.
- 2. WLAN 2.4G & WLAN 5G can't transmit simultaneously.
- 3. EUT only support SISO mode.

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5.8. SUPPORT UNITS FOR SYSTEM TEST

SUPPORT EQUIPMENT

Item	Equipment	Brand Name	Model Name	Remarks
1	Laptop	Lenovo	E42-80	R303U5AG
2	Adapter	SAMSUNG	ETA-U90CBC	5Vdc,2A

I/O CABLES

Cable No	Port	Connector Type	Cable Type	Cable Length(m)	Remarks
1	USB	/	/	1.0	/

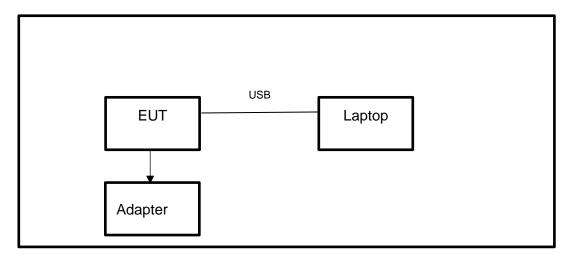
ACCESSORIES

Item	Accessory	Brand Name	Model Name	Description
/	/	/	/	/

TEST SETUP

The EUT can work in engineering mode with a software through a Laptop.

SETUP DIAGRAM FOR TESTS





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6. MEASURING EQUIPMENT AND SOFTWARE USED

	R&S TS 8997 Test System									
Equipment		Ма	nufac	turer	Model I	No.	Serial No.	Last C	Cal.	Due. Date
Power sensor, Power M	1eter		R&S	3	OSP1	20	100921	Mar.31,	2023	Mar.30,2024
Vector Signal Genera	tor		R&S	3	SMBV1	00A	261637	Oct.12,	2023	Oct.11, 2024
Signal Generator			R&S	3	SMB10	00A	178553	Oct.12,	2023	Oct.11, 2024
Signal Analyzer			R&S	3	FSV4	0	101118	Oct.12,	2023	Oct.11, 2024
					Softwar	re				
Description			N	Manuf	acturer		Nam	е		Version
For R&S TS 8997 Test	Syste	em	Rol	hde &	Schwar	Z	EMC	32		10.60.10
Tonsend RF Test System										
Equipment	Man	ufac	turer	Mod	del No.	S	Serial No.	Last C	Cal.	Due. Date
PXA Signal Analyzer	K	eysiç	ght	N9	030A	MY	′55410512	Oct.12,	2023	Oct.11, 2024
MXG Vector Signal Generator	K	eysiç	ght	N5	182B	MY	′56200284	Oct.12,	2023	Oct.11, 2024
MXG Vector Signal Generator	K	eysiç	ght	N5	172B	MY	′56200301	Oct.12,	2023	Oct.11, 2024
DC power supply	K	eysiç	ght	E3	642A	MY	′55159130	Oct.12,	2023	Oct.11, 2024
Temperature & Humidity Chamber	SAI	NMC	OOD	SG-8	30-CC-2		2088	Oct.12,	2023	Oct.11, 2024
Attenuator	A	Aglient 84		195B	28	14a12853	Oct.12,	2023	Oct.11, 2024	
RF Control Unit	То	nscend JS0		806-2	23E	380620666	April 18,	2023	April 17, 2024	
Software										
Description Manufactu		urer	rer Name				Version			
Tonsend SRD Test Sys	Tonsend SRD Test System Tonsend			nd	JS1	120-3	3 RF Test S	ystem		V3.2.22

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	Conducted Emissions					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date	
EMI Test Receiver	R&S	ESR3	101961	Oct.13, 2023	Oct.12, 2024	
Two-Line V- Network	R&S	ENV216	101983	Oct.13, 2023	Oct.12, 2024	
Artificial Mains Networks	Schwarzbeck	NSLK 8126	8126465	Oct.13, 2023	Oct.12, 2024	
Software						
Description			Manufacturer	Name	Version	
Test Software	Test Software for Conducted Emissions			EZ-EMC	Ver. UL-3A1	

		Radiated	Emissions		
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
MXE EMI Receiver	KESIGHT	N9038A	MY56400036	Oct.12, 2023	Oct.11, 2024
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130959	Aug.02, 2021	Aug.01, 2024
Preamplifier	HP	8447D	2944A09099	Oct.12, 2023	Oct.11, 2024
EMI Measurement Receiver	R&S	ESR26	101377	Oct.12, 2023	Oct.11, 2024
Horn Antenna	TDK	HRN-0118	130940	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-0118	TRS-305- 00067	Oct.12, 2023	Oct.11, 2024
Horn Antenna	Schwarzbeck	BBHA9170	697	July 20, 2021	July 19, 2024
Preamplifier	TDK	PA-02-2	TRS-307- 00003	Oct.12, 2023	Oct.11, 2024
Preamplifier	TDK	PA-02-3	TRS-308- 00002	Oct.12, 2023	Oct.11, 2024
Loop antenna	Schwarzbeck	1519B	80000	Dec.14, 2021	Dec.13, 2024
Preamplifier	TDK	PA-02-001- 3000	TRS-302- 00050	Oct.12, 2023	Oct.11, 2024
Highpass Filter	Wainwright	WHKX10- 5850-6500- 1800-40SS	4	Oct.12, 2023	Oct.11, 2024
Band Reject Filter	Wainwright	WRCJV12- 5695-5725- 5850-5880- 40SS	4	Oct.12, 2023	Oct.11, 2024
Band Reject Filter	Wainwright	WRCJV20- 5120-5150- 5350-5380- 60SS	2	Oct.12, 2023	Oct.11, 2024
Band Reject Filter	Wainwright	WRCJV20- 5440-5470- 5725-5755- 60SS	1	Oct.12, 2023	Oct.11, 2024



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Band Reject Filter	Wainwright	WRCJV8- 2350-2400- 2483.5- 2533.5-40SS	4	Oct.12, 2023	Oct.11, 2024	
	Software					
Description			Manufacturer	Name	Version	
Test Software for Radiated Emissions			Farad	EZ-EMC	Ver. UL-3A1	

Other Instrument					
Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Due Date
Temperature humidity probe	OMEGA	ITHX-SD-5	18470007	Oct.21, 2023	Oct.20, 2024
Barometer	Yiyi	Baro	N/A	Oct.19, 2023	Oct.18, 2024
Attenuator	Agilent	8495B	2814a12853	Oct.12, 2023	Oct.11, 2024



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7. ANTENNA PORT TEST RESULTS

7.1. ON TIME AND DUTY CYCLE

LIMITS

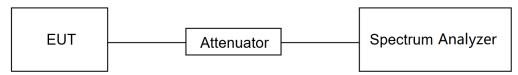
None; for reporting purposes only.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.B.

The zero-span mode on a spectrum analyzer or EMI receiver, if the response time and spacing between bins on the sweep are sufficient to permit accurate measurements of the on and off times of the transmitted signal. Set the center frequency of the instrument to the center frequency of the transmission. Set RBW \geq EBW if possible; otherwise, set RBW to the largest available value. Set VBW \geq RBW. Set detector = peak or average. The zero-span measurement method shall not be used unless both RBW and VBW are > 50/T, where T is defined in II.B.1.a), and the number of sweep points across duration T exceeds 100. (For example, if VBW and/or RBW are limited to 3 MHz, then the zero-span method of measuring duty cycle shall not be used if T \leq 16.7 microseconds.)

TEST SETUP



TEST ENVIRONMENT

Temperature	24.2°C	Relative Humidity	56%
Atmosphere Pressure	101.2kPa	Test Voltage	DC 5 V

TEST DATE / ENGINEER

Test Date	December 9, 2023	Test By	Walker Yuan
ו כאו שמוכ	December 3, 2023	I COL Dy	vvainei i uaii

TEST RESULTS

Please refer to section "Test Data" - Appendix H



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7.2. 6DB AND 26DB EMISSION BANDWIDTH AND 99% OCCUPIED BANDWIDTH

LIMITS

	CFR 47 FCC Part15, Subpart E					
Test Item	Limit	Frequency Range (MHz)				
26 dB Emission Bandwidth	For reporting purposes only.	5150 ~ 5250				
26 dB Emission Bandwidth	For reporting purposes only.	5250 ~ 5350				
26 dB Emission Bandwidth	For reporting purposes only.	5470 ~ 5725 (For FCC) 5470 ~ 5600 (For ISED) 5650 ~ 5725 (For ISED)				
6 dB Emission Bandwidth	The minimum 6 dB emission bandwidth shall be 500 kHz.	5725 ~ 5850				
99 % Occupied Bandwidth	For reporting purposes only.	5150 ~ 5825 (For ISED)				

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.C1. for 26 dB Emission Bandwidth; section II.C2. for 6 dB Emission Bandwidth; section II.D. for 99 % Occupied Bandwidth.

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

Center Frequency	The center frequency of the channel under test	
Detector	Peak	
RBW	For 6 dB Emission Bandwidth: RBW=100 kHz For 26 dB Emission bandwidth: approximately 1 % of the EBW. For 99 % Occupied Bandwidth: approximately 1 % ~ 5 % of the OBW.	
VBW	For 6 dB Bandwidth: ≥ 3*RBW For 26 dB Bandwidth: >3*RBW For 99 % Bandwidth: >3*RBW	
Trace	Max hold	
Sweep	Auto couple	

- a) Use the 99 % power bandwidth function of the instrument, allow the trace to stabilize and report the measured bandwidth.
- b) Allow the trace to stabilize and 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 6/26 dB relative to the maximum level measured in the fundamental emission.

Calculation for 99 % Bandwidth of UNII-2C and UNII-3 Straddle Channel:

For Example: Fundamental Frequency: 5720 MHz

99 % OBW: 21.00 MHz

Turning Frequency: 5725 MHz

99 % Bandwidth of UNII-2C Band Portion = (5725-(5720-(21.00/2)) = 15.50 MHz

99 % Bandwidth of UNII-3 Band Portion = (5720+(21.00/2)-5725) = 5.50 MHz

Calculation for 26 dB Bandwidth of UNII-2C Straddle Channel:



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For Example: Fundamental frequency: 5720 MHz

26 dB BW: 20.00 MHz

FL: 5710.16 MHz FH: 5730.16 MHz

Turning Frequency: 5725 MHz

26 dB Bandwidth of UNII-2C Band Portion = 5725-5710.16=14.84 MHz

Calculation for 6dB Bandwidth of UNII-3 Straddle Channel:

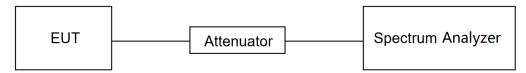
For Example: Fundamental frequency: 5720 MHz

6 dB BW: 16.44 MHz FL: 5711.76 MHz FH: 5728.2 MHz

Turning Frequency: 5725 MHz

6 dB Bandwidth of UNII-3 band Portion = 5728.2-5725=3.2 MHz

TEST SETUP



TEST ENVIRONMENT

Temperature	24.2°C	Relative Humidity	56%
Atmosphere Pressure	101.2kPa	Test Voltage	DC 5 V

TEST DATE / ENGINEER

Test Date	December 9, 2023	Test By	Walker Yuan

TEST RESULTS

Please refer to section "Test Data" - Appendix A1&A2&A3



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7.3. CONDUCTED OUTPUT POWER

LIMITS

	CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)	
Conducted	☐ Outdoor Access Point: 1 W (30 dBm) ☐ Indoor Access Point: 1 W (30 dBm) ☐ Fixed Point-To-Point Access Points: 1 W (30 dBm) ☐ Client Devices: 250 mW (24 dBm)	5150 ~ 5250	
Output Power	Shall not exceed the lesser of 250 mW (24dBm) or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz.	5250 ~ 5350 5470 ~ 5725	
	Shall not exceed 1 Watt (30 dBm).	5725 ~ 5850	

Note:

The above limits are based upon the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, the maximum conducted output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.E.

Method SA-2 (trace averaging across ON and OFF times of the EUT transmissions, followed by duty cycle correction.):

- (a) Measure the duty cycle D of the transmitter output signal.
- (b) Set span to encompass the entire 26 dB EBW or 99% OBW of the signal.
- (c) Set RBW = 1 MHz.
- (d) Set VBW ≥ 3 MHz.
- (e) Number of points in sweep ≥ [2 × span / RBW]. (This gives bin-to-bin spacing ≤ RBW / 2, so that narrowband signals are not lost between frequency bins.)
- (f) Sweep time = auto.
- (g) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
- (h) Do not use sweep triggering. Allow the sweep to "free run."
- (i) Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the ON and OFF periods of the transmitter.
- j) Compute power by integrating the spectrum across the 26 dB EBW or 99% OBW of the signal using the instrument's band power measurement function with band limits set equal to the EBW or OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at 1 MHz intervals extending across the 26 dB EBW or 99% OBW of the spectrum.
- k) Add [10 log (1 / D)], where D is the duty cycle, to the measured power to compute the average power during the actual transmission times (because the measurement represents an average over both the ON and OFF times of the transmission). For example, add [10 log (1 / 0.25)] = 6 dB if the duty cycle is 25%.

Method PM (Measurement using an RF average power meter):



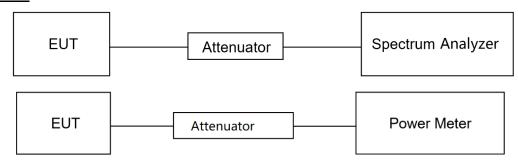
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(i) Measurements may be performed using a wideband RF power meter with a thermocouple detector or equivalent if all of the following conditions are satisfied:

- a. The EUT is configured to transmit continuously or to transmit with a constant duty cycle.
- b. At all times when the EUT is transmitting, it must be transmitting at its maximum power control level.
- c. The integration period of the power meter exceeds the repetition period of the transmitted signal by at least a factor of five.
- (ii) If the transmitter does not transmit continuously, measure the duty cycle, x, of the transmitter output signal as described in II.B.
- (iii) Measure the average power of the transmitter. This measurement is an average over both the on and off periods of the transmitter.
- (iv) Adjust the measurement in dBm by adding $10 \log (1/x)$ where x is the duty cycle (e.g., $10 \log (1/0.25)$) if the duty cycle is 25 %).

Note: Method SA-2 was used for straddle channel output power test, and Method PM was used for testing rest channels

TEST SETUP



TEST ENVIRONMENT

Temperature	24.2°C	Relative Humidity	56%
Atmosphere Pressure	101.2kPa	Test Voltage	DC 5 V

TEST DATE / ENGINEER

Test Date	December 9, 2023	Test By	Walker Yuan

TEST RESULTS

Please refer to section "Test Data" - Appendix B



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7.4. POWER SPECTRAL DENSITY

LIMITS

CFR 47 FCC Part15, Subpart E		
Test Item	Limit	Frequency Range (MHz)
Power Spectral Density	☐ Outdoor Access Point: 17 dBm/MHz ☐ Indoor Access Point: 17 dBm/MHz ☐ Fixed Point-To-Point Access Points: 17 dBm/MHz ☐ Client Devices: 11 dBm/MHz	5150 ~ 5250
Density	11 dBm/MHz	5250 ~ 5350 5470 ~ 5725
	30 dBm/500kHz	5725 ~ 5850

Note

The above limits are based upon the maximum antenna gain does not exceed 6 dBi.

If transmitting antennas of directional gain greater than 6 dBi are used, maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

TEST PROCEDURE

Refer to KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.F.

Connect the EUT to the spectrum analyzer and use the following settings:

For U-NII-1, U-NII-2A and U-NII-2C band:

01 0 1 111 1, 0 1 111 27 tall		
Center Frequency	The center frequency of the channel under test	
Detector	RMS	
RBW	1 MHz	
VBW	≥3 × RBW	
Span	Encompass the entire emissions bandwidth (EBW) of the signal	
Trace	Max hold	
Sweep time	Auto	

For U-NII-3:

1 01 0 1111 0.	
Center Frequency	The center frequency of the channel under test
Detector	RMS
RBW	500 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

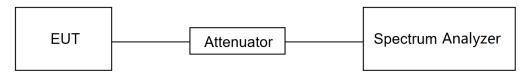
Allow trace to fully stabilize and use the peak search function on the instrument to find the peak of the spectrum and record its value.



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Add 10 log (1/x), where x is the duty cycle, to the peak of the spectrum, the result is the Maximum PSD over 1 MHz / 500 kHz reference bandwidth.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.2°C	Relative Humidity	56%
Atmosphere Pressure	101.2kPa	Test Voltage	DC 5 V

TEST DATE / ENGINEER

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Test Date	December 9, 2023	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix C



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7.5. FREQUENCY STABILITY

LIMITS

The frequency of the carrier signal shall be maintained within band of operation.

TEST PROCEDURE

- 1. The EUT was placed inside an environmental chamber as the temperature in the chamber was varied between -10 $^{\circ}$ C \sim 40 $^{\circ}$ C (declared by customer).
- 2. The temperature was incremented by 10 °C intervals and the unit allowed to stabilize at each temperature before each measurement. The center frequency of the transmitting channel was evaluated at each temperature and the frequency deviation from the channel's center frequency was recorded.
- 3. The primary supply voltage is varied from 85 % to 115 % of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

Connect the EUT to the spectrum analyzer and use the following settings:

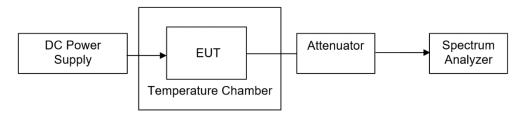
Center Frequency	The center frequency of the channel under test
Detector	Peak
RBW	10 kHz
VBW	≥3 × RBW
Span	Encompass the entire emissions bandwidth (EBW) of the signal
Trace	Max hold
Sweep time	Auto

- 4. While maintaining a constant temperature inside the environmental chamber, turn the EUT on and record the operating frequency at startup, and at 2 minutes, 5minutes, and 10 minutes after the EUT is energized.
- 5. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

TEST ENVIRONMENT

	Normal Test Conditions Extreme Test Conditions		
Relative Humidity	20 % ~ 75 %	/	
Atmospheric Pressure	100 kPa ~ 102 kPa	/	
Temperature	T _N (Normal Temperature):	T _L (Low Temperature): -10 °C	
remperature	23.2 °C	T _н (High Temperature): 40 °C	
Supply Voltage	V _N (Normal Voltage): AC 120 V	V _L (Low Voltage): AC 102	
Supply Voltage	VN (Normal Voltage). AC 120 V	V _H (High Voltage): AC 138	

TEST SETUP



TEST ENVIRONMENT

Temperature	24.2°C	Relative Humidity	56%
Atmosphere Pressure	101.2kPa	Test Voltage	DC 5 V

TEST DATE / ENGINEER

Test Date	December 12, 2023	Test By	Walker Yuan
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TEST RESULTS

Please refer to section "Test Data" - Appendix G



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7.6. DYNAMIC FREQUENCY SELECTION (SLAVE)

LIMITS

(1) DFS Detection Thresholds

Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)	
EIRP ≥ 200 milliwatt	-64 dBm	
EIRP < 200 milliwatt and	62 dPm	
power spectral density < 10 dBm/MHz	-62 dBm	
EIRP < 200 milliwatt that do not meet the		
power	-64 dBm	
spectral density requirement		

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

(2) DFS Response Requirements

Table 4: DFS Response Requirement Values

Table 1: BI & Response Requirement values			
Parameter	Value		
Non-occupancy period	Minimum 30 minutes		
Channel Availability Check Time	60 seconds		
Channel Move Time	10 seconds		
Charmer wove Time	See Note 1.		
	200 milliseconds + an aggregate of 60		
Channel Closing Transmission Time	milliseconds over		
Charmer Closing Transmission Time	remaining 10 second period.		
	See Notes 1 and 2.		
LL NIII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission		
U-NII Detection Bandwidth	power bandwidth. See Note 3.		

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.

Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.

Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.



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APPLICABILITY OF DFS REQUIREMENTS

A U-NII network will employ a DFS function to detect signals from radar systems and to avoid cochannel operation with these systems. This applies to the 5250-5350 MHz and/or 5470-5725 MHz bands.

Within the context of the operation of the DFS function, a U-NII device will operate in either Master Mode or Client Mode. U-NII devices operating in Client Mode can only operate in a network controlled by a U-NII device operating in Master Mode.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

ration of production of the quite that to be a contained				
	Operational Mode			
Requirement	☐ Master		Client With Radar	
		Radar Detection	Detection	
Non-Occupancy Period	Yes	Not required	Yes	
DFS Detection Threshold	Yes	Not required	Yes	
Channel Availability Check Time	Yes	Not required	Not required	
U-NII Detection Bandwidth	Yes	Not required	Yes	

Table 2: Applicability of DFS requirements during normal operation

	Operational Mode		
Requirement	☐ Master Device or Client with Radar Detection	Client Without Radar Detection	
DFS Detection Threshold	Yes	Not required	
Channel Closing Transmission Time	Yes	Yes	
Channel Move Time	Yes	Yes	
U-NII Detection Bandwidth	Yes	Not required	

Additional requirements for devices with multiple bandwidth modes	☐ Master Device or Client with Radar Detection	
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.



PARAMETERS OF RADAR TEST WAVEFORMS

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
0	1	1428	18	See Note 1	See Note 1
		Test A	$\left(\left(\begin{array}{c} 1 \end{array} \right) \right)$		
1	1	Test B	Roundup $ \left\{ \frac{\boxed{360}}{\boxed{PRI_{\mu\text{sec}}}} \right\} $	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (F	adar Types 1-	4)		80%	120

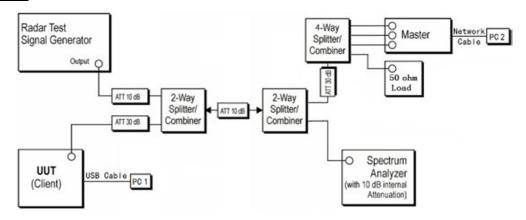
Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests.

Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a

Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B. Test aggregate is average of the percentage of successful detections of short pulse radar types 1-4.

TEST SETUP



TEST ENVIRONMENT

Temperature	24.2°C	Relative Humidity	56%
Atmosphere Pressure	101.2kPa	Test Voltage	DC 5 V



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TEST DATE / ENGINEER

Test Date	December 12, 2023	Test By	Walker Yuan

TEST RESULTS

Please refer to section "Test Data" - Appendix I

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8. RADIATED TEST RESULTS

LIMITS

Refer to CFR 47 FCC §15.205, §15.209 and §15.407 (b).

Radiation Disturbance Test Limit for FCC (Class B) (9 kHz ~ 1 GHz)

Emissions radiated outside of the specified frequency bands above 30 MHz			
Frequency Range	Field Strength Limit	Field Stren	
(MHz)	(uV/m) at 3 m	(dBuV/m)	
30 - 88	100	Quasi-Peak 40	
88 - 216	150	43.5	
216 - 960	200	46	
Above 960	500	54	
Above 1000	1000		Average
Above 1000	500	74	54

FCC Emissions radiated outside of the specified frequency bands below 30 MHz		
Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance (meters)
0.009-0.490	2400/F(kHz)	300
0.490-1.705	24000/F(kHz)	30
1.705-30.0	30	30

FCC Restricted bands of operation refer to FCC §15.205 (a):

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
¹ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	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	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(²)
13.36-13.41			



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

²Above 38.6c

Limits of unwanted/undesirable emission out of the restricted bands refer to CFR 47 FCC §15.407 (b)

<u> </u>		
LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1GHz)		
Frequency Range (MHz)	EIRP Limit	Field Strength Limit
		(dBuV/m) at 3 m
5150~5250 MHz		
5250~5350 MHz	PK: -27 (dBm/MHz)	PK:68.2(dBµV/m)
5470~5725 MHz		
5725~5850 MHz	PK: -27 (dBm/MHz) *1	PK: 68.2(dBµV/m) *1
	PK: 10 (dBm/MHz) *2	PK: 105.2 (dBµV/m) *2
	PK: 15.6 (dBm/MHz) *3	PK: 110.8(dBµV/m) *3
	PK: 27 (dBm/MHz) *4	PK: 122.2 (dBµV/m) *4
N1-1		

Note:

TEST PROCEDURE

Below 30 MHz

The setting of the spectrum analyzer

RBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
VBW	200 Hz (From 9 kHz to 0.15 MHz)/ 9 kHz (From 0.15 MHz to 30 MHz)
Sweep	Auto

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.4.
- 2. The EUT was arranged to its worst case and then turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both Horizontal, Face-on and Face-off polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80 cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a 1 m height antenna tower.
- 5. The radiated emission limits are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90 kHz, 110-490 kHz and above 1000 MHz Radiated emission limits in these three bands are based on measurements employing an average detector.
- 6. For measurement below 1 GHz, 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 and average detector mode remeasured. If the emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak and average detector and reported.

^{*1} beyond 75 MHz or more above of the band edge.

^{*2} below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above.

^{*3} below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above.

^{*4} from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.



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7. Although these tests were performed other than open field site, adequate comparison measurements were confirmed against 30m open field 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 site based on KDB 414788.

8. The limits in CFR 47, Part 15, Subpart C, paragraph 15.209 (a), are identical to those in RSS-GEN Section 8.9, Table 6, since the measurements are performed in terms of magnetic field strength and converted to electric field strength levels (as reported in the table) using the free space impedance of 377Ω . For example, the measurement frequency X kHz resulted in a level of Y dBuV/m, which is equivalent to Y-51.5 = Z dBuA/m, which has the same margin, W dB, to the corresponding RSS-GEN Table 6 limit as it has to be 15.209(a) limit.



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Below 1 GHz and above 30 MHz

The setting of the spectrum analyzer

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

- 1. The testing follows the guidelines in ANSI C63.10-2013 clause 6.5.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 80 cm above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement below 1 GHz, 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 emission level of the EUT measured by the peak detector is 3 dB lower than the applicable limit, the peak emission level will be reported. Otherwise, the emission measurement will be repeated using the quasi-peak detector and reported.



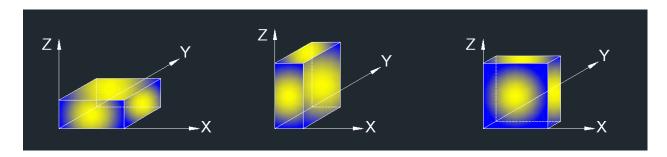
Above 1 GHz

The setting of the spectrum analyzer

RBW	1 MHz
VBW	PEAK: 3 MHz AVG: see note 6
Sweep	Auto
Detector	Peak
Trace	Max hold

- 1. The testing follows the guidelines in KDB 789033 D02 General U-NII Test Procedures New Rules v02r01 section II.G.3 ~ II.G.6.
- 2. The EUT was arranged to its worst case and then tune the antenna tower (from 1 m to 4 m) and turntable (from 0 degree to 360 degrees) to find the maximum reading. A pre-amp and a high pass filter are used for the test in order to get better signal level. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3. The EUT was placed on a turntable with 1.5 m above ground.
- 4. The EUT was set 3 meters from the interference receiving antenna, which was mounted on the top of a variable height antenna tower.
- 5. For measurement above 1 GHz, the emission measurement will be measured by the peak detector. This peak level, once corrected, must comply with the limit specified in Section 15.209.
- 6. For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to clause 7.1. ON TIME AND DUTY CYCLE.

X axis, Y axis, Z axis positions:



Note 1: For all radiated test, EUT in each of three orthogonal axis emissions had been tested, but only the worst case (X axis) data recorded in the report.

Note 2: The EUT was fully exercised with external accessories during the test. In the case of multiple accessory external ports, an external accessory shall be connected to one of each type of port.



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For Restricted Bandedge:

Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. PK=Peak: Peak detector.
- 4. AV=Average: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.
- 6. Only the worst data was recorded, if it complies with the limit, the other emissions deemed to comply with the limit.
- 7. Both horizontal and vertical have been tested, only the worst data was recorded in the report.
- 8. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (9 kHz ~ 30 MHz):

Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
- 3. All 3 polarizations (Horizontal, Face-on and Face-off) of the loop antenna had been tested, but only the worst data recorded in the report.
- 4. All modes have been tested, but only the worst data was recorded in the report.
- 5. $dBuA/m = dBuV/m 20Log10[120\pi] = dBuV/m 51.5$

For Radiate Spurious Emission (30 MHz ~ 1 GHz):

Note:

- 1. Result Level = Read Level + Correct Factor.
- 2. If the peak values are less than the QP limit, the QP result is deemed to comply with QP limit.
- 3. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious Emission (1 GHz ~ 7 GHz):

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.
- 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for Band reject filter losses.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
- 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27 dBm/MHz (68.2 dBuV/m) limit.
- 9. All modes have been tested, but only the worst data was recorded in the report.



For Radiate Spurious Emission (7 GHz ~ 18 GHz):

Note:

- 1. Peak Result = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. AVG: VBW=1/Ton, where: Ton is the transmitting duration.
- 5. For the transmitting duration, please refer to clause 7.1.
- 6. Filter losses were only considered in the spurious frequency bands and the authorized band was not corrected for High Pass Filter losses.
- 7. Proper operation of the transmitter prior to adding the filter to the measurement chain.
- 8. Since non-restricted band peak emissions are less than the average limit, they also comply with the -27 dBm/MHz (68.2 dBuV/m) limit.
- 9. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (18 GHz ~ 26 GHz):

Note:

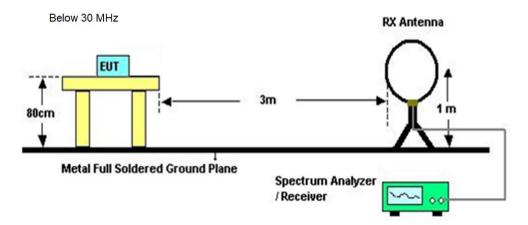
- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. All modes have been tested, but only the worst data was recorded in the report.

For Radiate Spurious emission (26 GHz ~ 40 GHz):

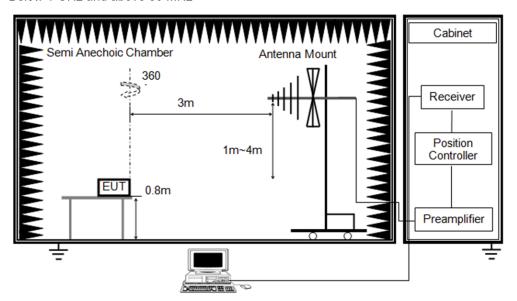
Note:

- 1. Measurement = Reading Level + Correct Factor.
- 2. If the peak values are less than the average limit of 54 dBuV/m, the average result is deemed to comply with average limit.
- 3. Peak: Peak detector.
- 4. All modes have been tested, but only the worst data was recorded in the report.

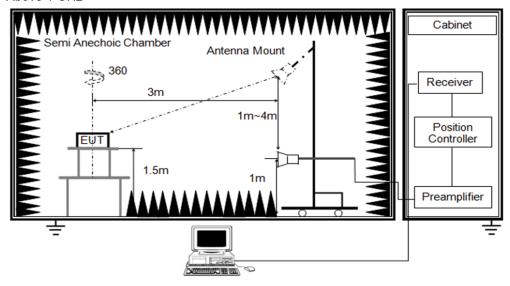
TEST SETUP



Below 1 GHz and above 30 MHz



Above 1 GHz



TEST ENVIRONMENT

Temperature	24.8°C	Relative Humidity	62%
Atmosphere Pressure	101kPa	Test Voltage	

TEST DATE / ENGINEER

T(D-(-	D	T (D	D I I
Test Date	December 29, 2023	Test By	Rex Huang
. ool Balo	2000111201 20, 2020		rtoxriaarig

TEST RESULTS

Note: Two antennas have been tested, only the worst-case ANT2 test data was recorded in this report.

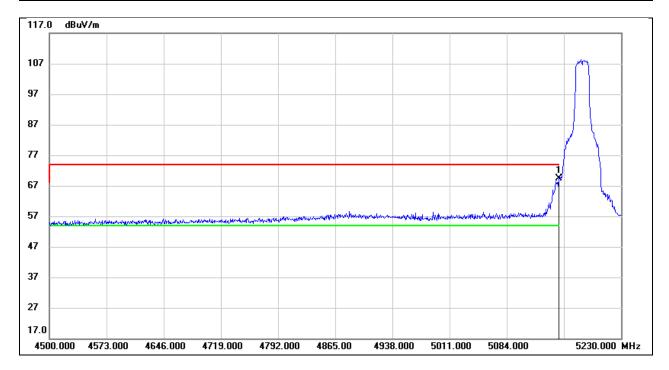


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8.1. RESTRICTED BANDEDGE

Test Mode:	802.11a 20 PK	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V

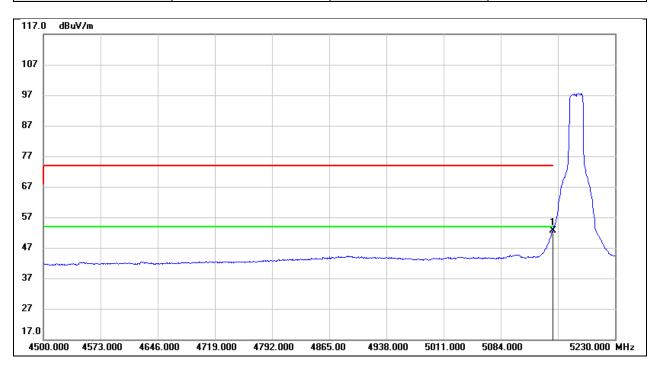


	No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
Γ		(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
Γ	1	5150.000	29.07	40.27	69.34	74.00	-4.66	peak





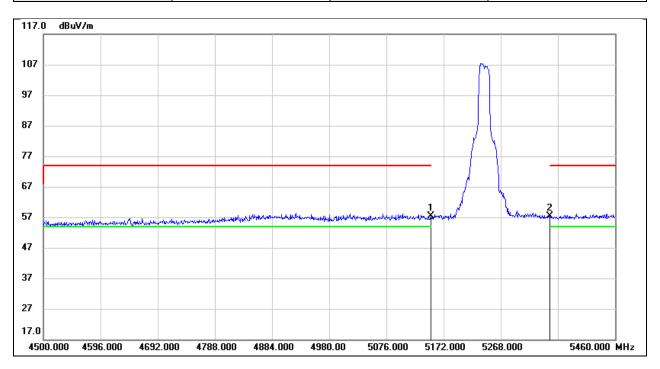
Test Mode:	802.11a 20 AV	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V



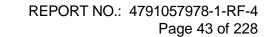
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	12.43	40.27	52.70	54.00	-1.30	AVG



Test Mode:	802.11a 20 PK	Frequency(MHz):	5240
Polarity:	Horizontal	Test Voltage:	DC 5 V

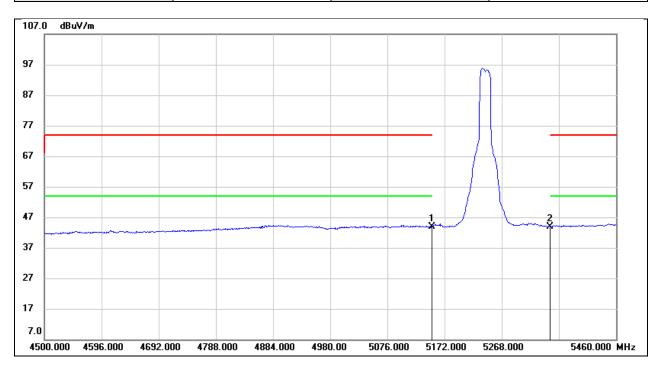


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	17.05	40.27	57.32	74.00	-16.68	peak
2	5350.000	16.95	40.49	57.44	74.00	-16.56	peak

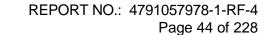




Test Mode: 802.11a 20 AV Frequency(MHz): 5240
Polarity: Horizontal Test Voltage: DC 5 V



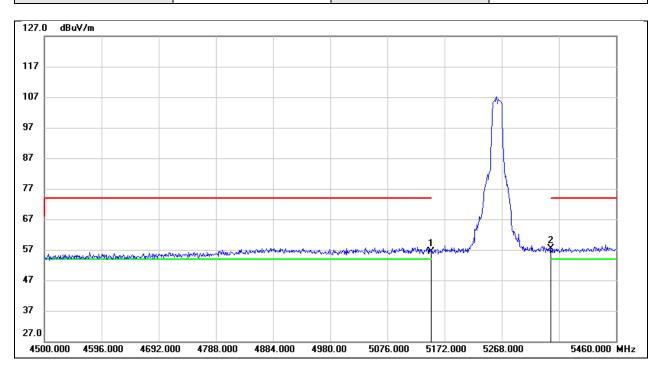
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	3.57	40.27	43.84	54.00	-10.16	AVG
2	5350.000	3.40	40.49	43.89	54.00	-10.11	AVG



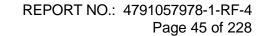


Test Mode: 802.11a 20 PK Frequency(MHz): 5260

Polarity: Horizontal Test Voltage: DC 5 V



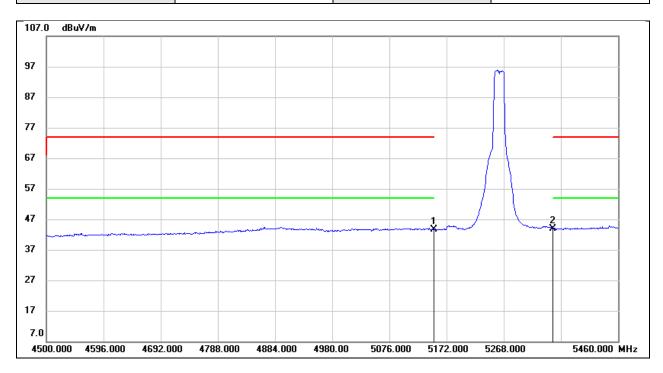
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	16.05	40.27	56.32	74.00	-17.68	peak
2	5350.000	16.84	40.49	57.33	74.00	-16.67	peak





Test Mode: 802.11a 20 AV Frequency(MHz): 5260

Polarity: Horizontal Test Voltage: DC 5 V

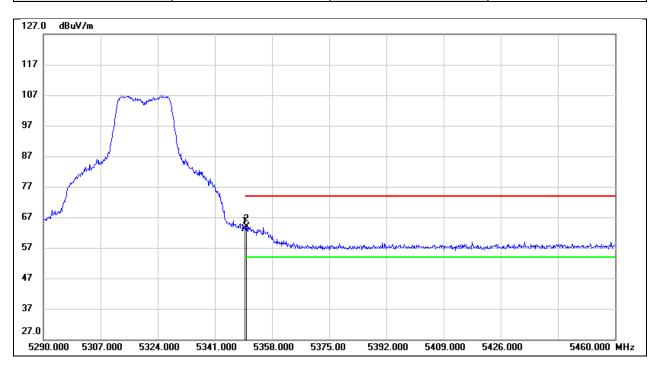


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	3.38	40.27	43.65	54.00	-10.35	AVG
2	5350.000	3.40	40.49	43.89	54.00	-10.11	AVG

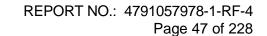




Test Mode:	802.11a 20 PK	Frequency(MHz):	5320
Polarity:	Horizontal	Test Voltage:	DC 5 V

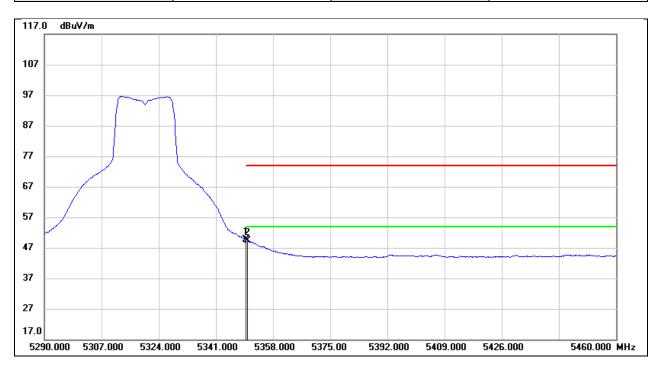


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.000	22.60	40.49	63.09	74.00	-10.91	peak
2	5350.350	23.32	40.49	63.81	74.00	-10.19	peak

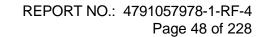




Test Mode:	802.11a 20 AV	Frequency(MHz):	5320
Polarity:	Horizontal	Test Voltage:	DC 5 V

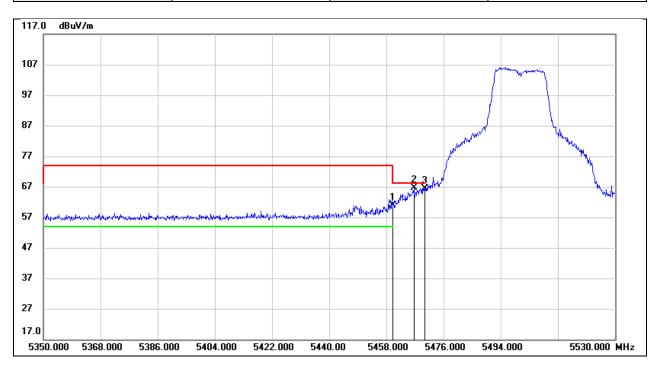


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.000	9.20	40.49	49.69	54.00	-4.31	AVG
2	5350.350	8.86	40.49	49.35	54.00	-4.65	AVG

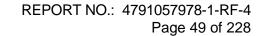




Test Mode:	802.11a 20 PK	Frequency(MHz):	5500
Polarity:	Horizontal	Test Voltage:	DC 5 V



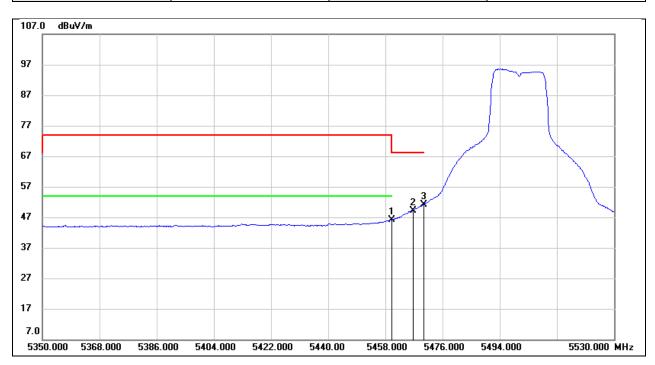
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5460.000	20.20	40.62	60.82	74.00	-13.18	peak
2	5466.640	26.04	40.62	66.66	68.20	-1.54	peak
3	5470.000	25.78	40.63	66.41	68.20	-1.79	peak





Test Mode: 802.11a 20 AV Frequency(MHz): 5500

Polarity: Horizontal Test Voltage: DC 5 V

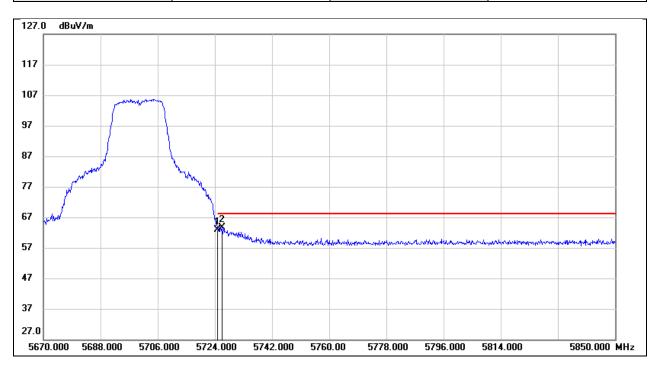


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5460.000	5.58	40.62	46.20	54.00	-7.80	AVG
2	5466.640	8.49	40.62	49.11	/	/	AVG
3	5470.000	10.62	40.63	51.25	/	/	AVG

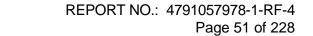




Test Mode:	802.11a 20 PK	Frequency(MHz):	5700
Polarity:	Horizontal	Test Voltage:	DC 5 V

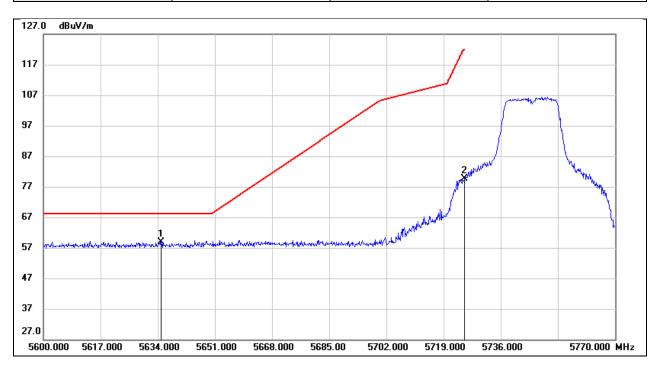


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5725.000	21.69	41.27	62.96	68.20	-5.24	peak
2	5726.160	22.25	41.27	63.52	68.20	-4.68	peak





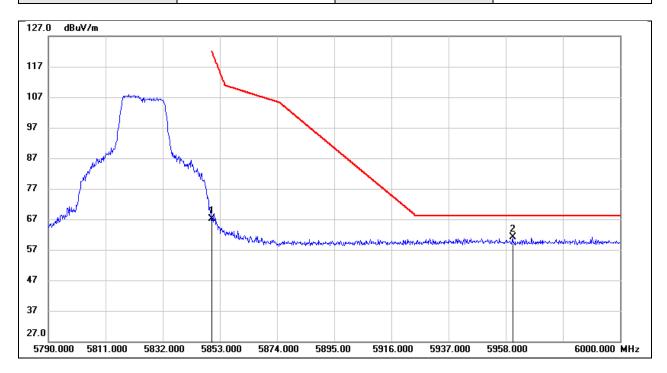
Test Mode:	802.11a 20 PK	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5635.020	17.97	41.03	59.00	68.20	-9.20	peak
2	5725.000	38.29	41.27	79.56	122.20	-42.64	peak



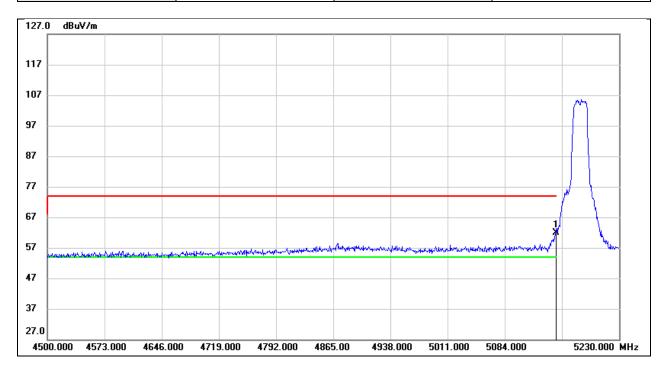
Test Mode:	802.11a 20 PK	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5850.000	25.46	41.60	67.06	122.20	-55.14	peak
2	5960.520	19.31	41.89	61.20	68.20	-7.00	peak



Test Mode:	802.11n HT20 PK	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V

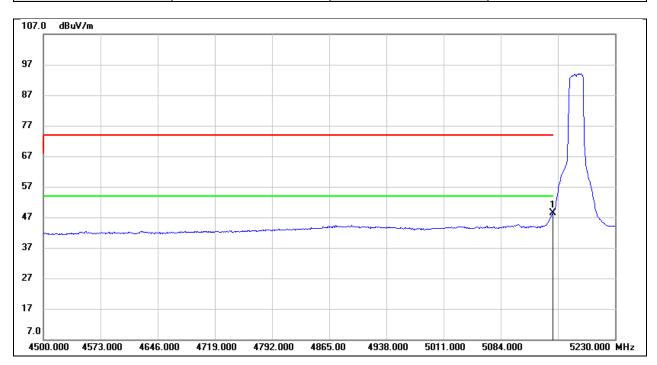


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	21.73	40.27	62.00	74.00	-12.00	peak

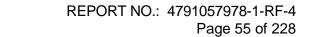




Test Mode:	802.11n HT20 AV	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V

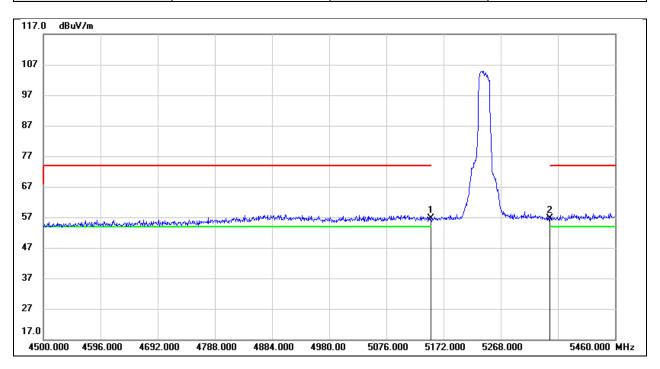


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	8.10	40.27	48.37	54.00	-5.63	AVG





Test Mode: 802.11n HT20 PK Frequency(MHz): 5240
Polarity: Horizontal Test Voltage: DC 5 V

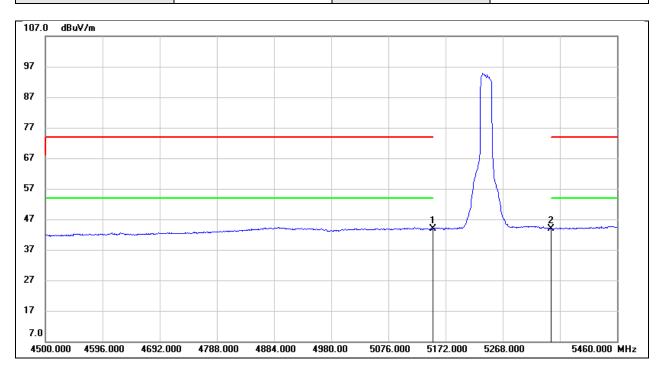


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	16.26	40.27	56.53	74.00	-17.47	peak
2	5350.000	16.10	40.49	56.59	74.00	-17.41	peak

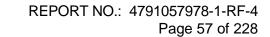




Test Mode: 802.11n HT20 AV Frequency(MHz): 5240
Polarity: Horizontal Test Voltage: DC 5 V



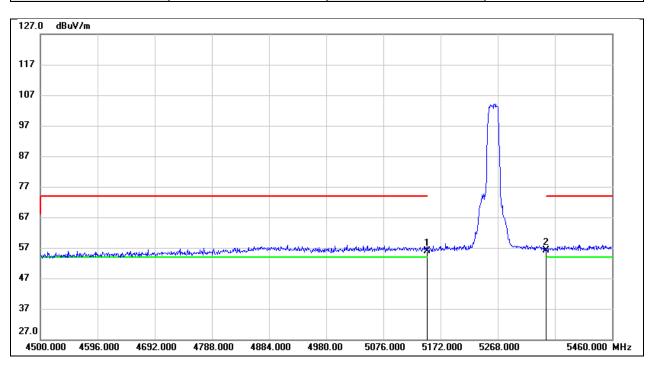
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	3.50	40.27	43.77	54.00	-10.23	AVG
2	5350.000	3.39	40.49	43.88	54.00	-10.12	AVG



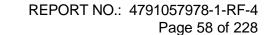


Test Mode: 802.11n HT20 PK Frequency(MHz): 5260

Polarity: Horizontal Test Voltage: DC 5 V



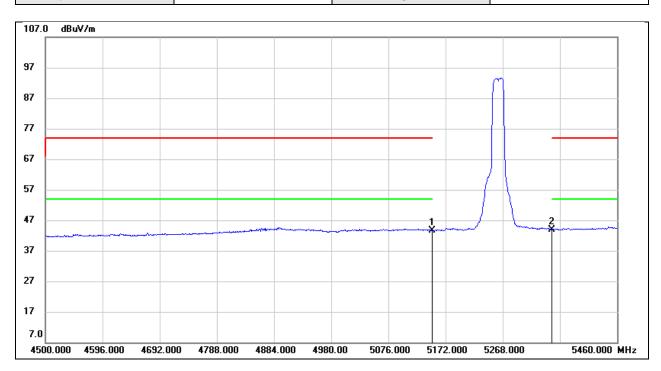
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	15.64	40.27	55.91	74.00	-18.09	peak
2	5350.000	15.69	40.49	56.18	74.00	-17.82	peak





Test Mode: 802.11n HT20 AV Frequency(MHz): 5260

Polarity: Horizontal Test Voltage: DC 5 V

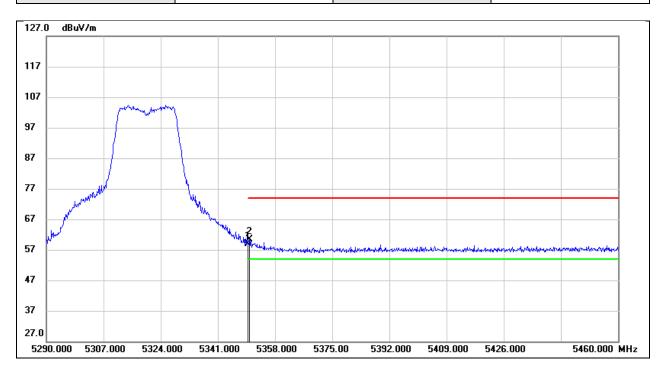


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5150.000	3.33	40.27	43.60	54.00	-10.40	AVG
2	5350.000	3.44	40.49	43.93	54.00	-10.07	AVG

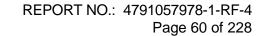




Test Mode: 802.11n HT20 PK Frequency(MHz): 5320
Polarity: Horizontal Test Voltage: DC 5 V

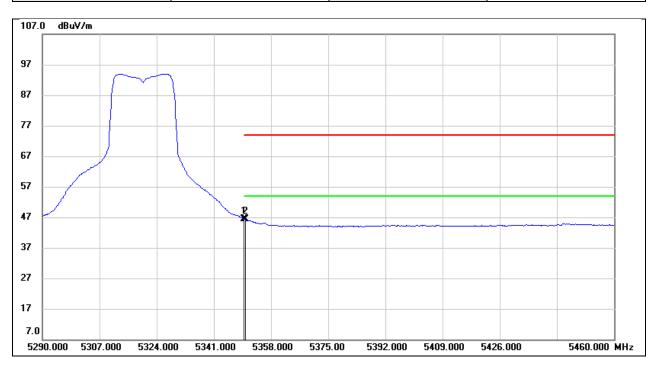


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.000	18.43	40.49	58.92	74.00	-15.08	peak
2	5350.350	19.85	40.49	60.34	74.00	-13.66	peak

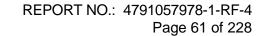




Test Mode: 802.11n HT20 AV Frequency(MHz): 5320
Polarity: Horizontal Test Voltage: DC 5 V



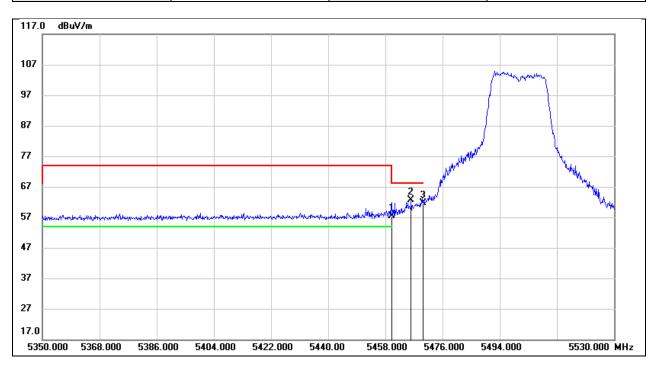
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5350.000	5.96	40.49	46.45	54.00	-7.55	AVG
2	5350.350	5.83	40.49	46.32	54.00	-7.68	AVG





Test Mode: 802.11n HT20 PK Frequency(MHz): 5500

Polarity: Horizontal Test Voltage: DC 5 V



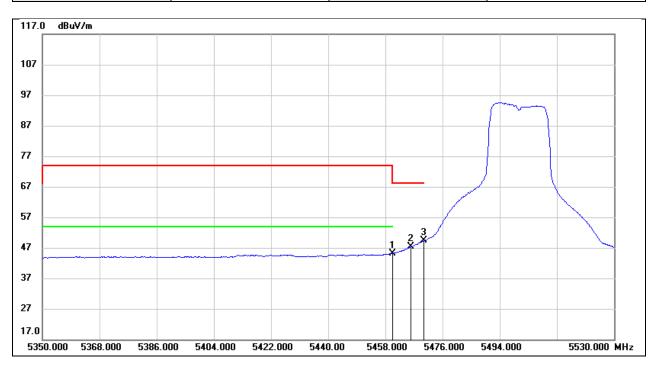
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5460.000	16.85	40.62	57.47	74.00	-16.53	peak
2	5466.100	22.02	40.62	62.64	68.20	-5.56	peak
3	5470.000	20.96	40.63	61.59	68.20	-6.61	peak



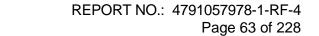


Test Mode: 802.11n HT20 AV Frequency(MHz): 5500

Polarity: Horizontal Test Voltage: DC 5 V



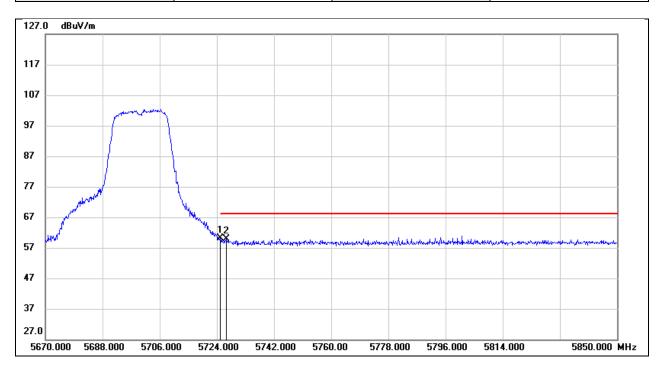
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5460.000	4.60	40.62	45.22	54.00	-8.78	AVG
2	5466.100	6.66	40.62	47.28	/	/	AVG
3	5470.000	8.70	40.63	49.33	/	/	AVG



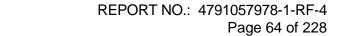


Test Mode: 802.11n HT20 PK Frequency(MHz): 5700

Polarity: Horizontal Test Voltage: DC 5 V

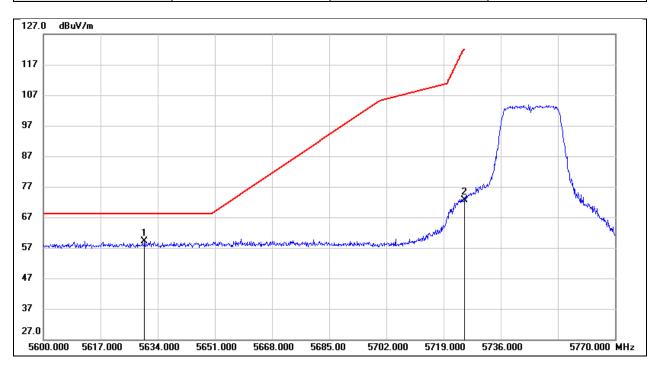


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5725.000	18.89	41.27	60.16	68.20	-8.04	peak
2	5726.880	18.64	41.27	59.91	68.20	-8.29	peak

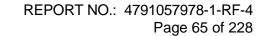




Test Mode:	802.11n HT20 PK	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 5 V

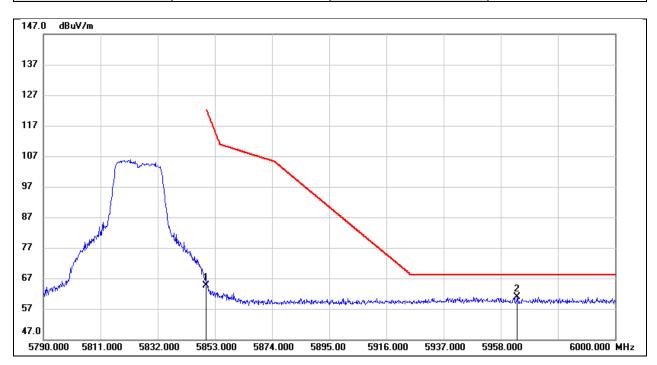


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5630.090	18.08	41.01	59.09	68.20	-9.11	peak
2	5725.000	31.40	41.27	72.67	122.20	-49.53	peak





Test Mode:	802.11n HT20 PK	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 5 V



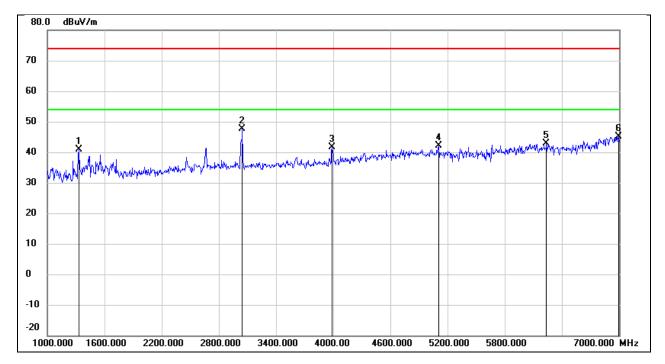
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	5850.000	23.00	41.60	64.60	122.20	-57.60	peak
2	5964.090	19.04	41.90	60.94	68.20	-7.26	peak

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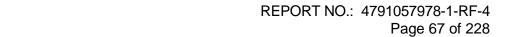
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8.2. SPURIOUS EMISSIONS(1 GHZ~7 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V

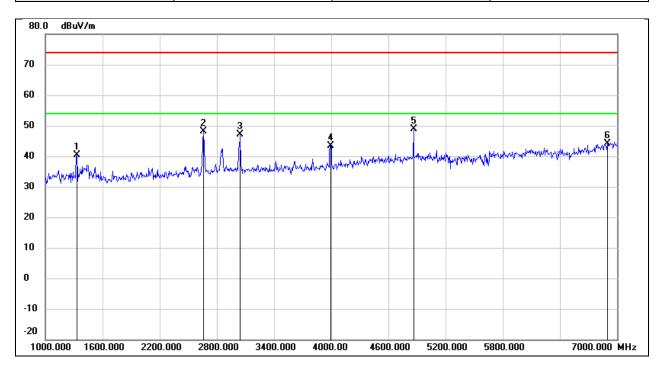


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1330.000	54.34	-13.50	40.84	74.00	-33.16	peak
2	3046.000	54.46	-6.88	47.58	74.00	-26.42	peak
3	3988.000	46.11	-4.51	41.60	74.00	-32.40	peak
4	5104.000	42.25	-0.03	42.22	74.00	-31.78	peak
5	6238.000	40.14	2.74	42.88	74.00	-31.12	peak
6	6994.000	38.85	6.17	45.02	74.00	-28.98	peak

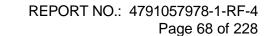




Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Vertical	Test Voltage:	DC 5 V

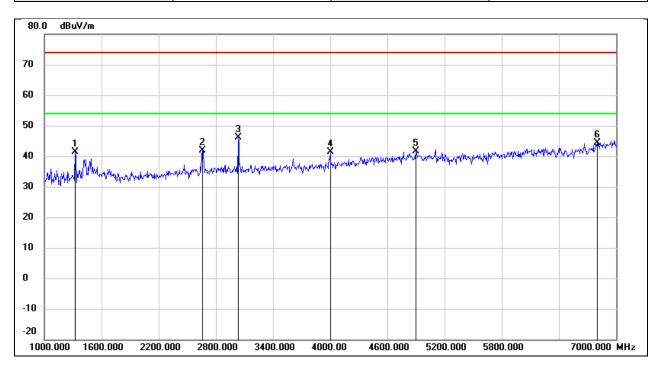


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1330.000	53.92	-13.50	40.42	74.00	-33.58	peak
2	2656.000	56.21	-8.02	48.19	74.00	-25.81	peak
3	3046.000	53.93	-6.88	47.05	74.00	-26.95	peak
4	3994.000	47.92	-4.49	43.43	74.00	-30.57	peak
5	4864.000	49.67	-0.70	48.97	74.00	-25.03	peak
6	6898.000	38.34	5.70	44.04	74.00	-29.96	peak





Test Mode:	802.11a 20	Frequency(MHz):	5200
Polarity:	Horizontal	Test Voltage:	DC 5 V

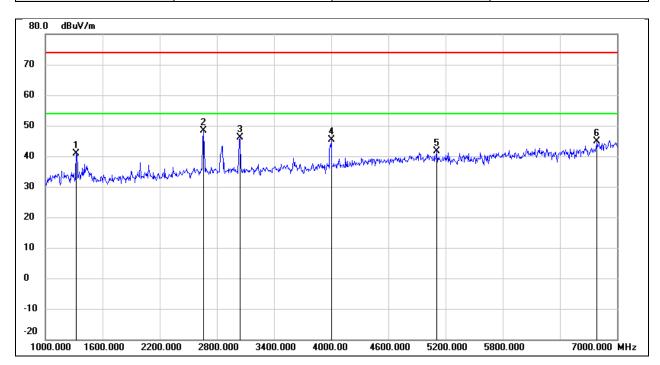


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	55.00	-13.53	41.47	74.00	-32.53	peak
2	2662.000	49.97	-8.01	41.96	74.00	-32.04	peak
3	3034.000	53.06	-6.91	46.15	74.00	-27.85	peak
4	4000.000	45.75	-4.48	41.27	74.00	-32.73	peak
5	4900.000	42.18	-0.55	41.63	74.00	-32.37	peak
6	6802.000	39.13	5.21	44.34	74.00	-29.66	peak





Test Mode:	802.11a 20	Frequency(MHz):	5200
Polarity:	Vertical	Test Voltage:	DC 5 V

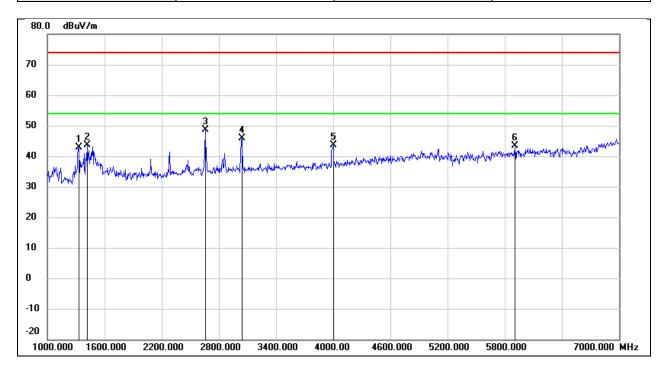


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	54.44	-13.53	40.91	74.00	-33.09	peak
2	2656.000	56.43	-8.02	48.41	74.00	-25.59	peak
3	3040.000	52.91	-6.89	46.02	74.00	-27.98	peak
4	4000.000	49.75	-4.48	45.27	74.00	-28.73	peak
5	5104.000	41.58	-0.03	41.55	74.00	-32.45	peak
6	6790.000	39.65	5.15	44.80	74.00	-29.20	peak





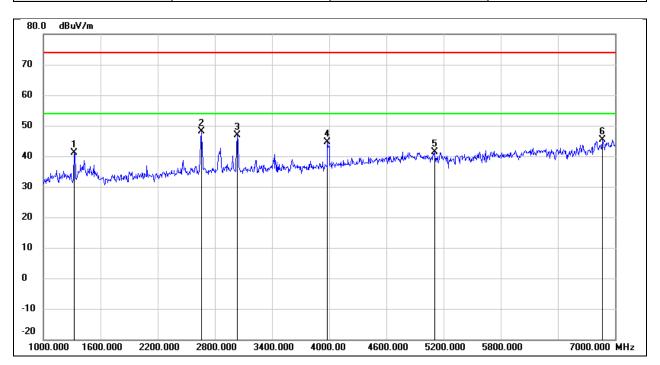
Test Mode:	802.11a 20	Frequency(MHz):	5240
Polarity:	Horizontal	Test Voltage:	DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1330.000	56.32	-13.50	42.82	74.00	-31.18	peak
2	1420.000	56.82	-13.08	43.74	74.00	-30.26	peak
3	2656.000	56.74	-8.02	48.72	74.00	-25.28	peak
4	3040.000	52.71	-6.89	45.82	74.00	-28.18	peak
5	4000.000	48.06	-4.48	43.58	74.00	-30.42	peak
6	5908.000	41.82	1.59	43.41	74.00	-30.59	peak



Test Mode:	802.11a 20	Frequency(MHz):	5240
Polarity:	Vertical	Test Voltage:	DC 5 V

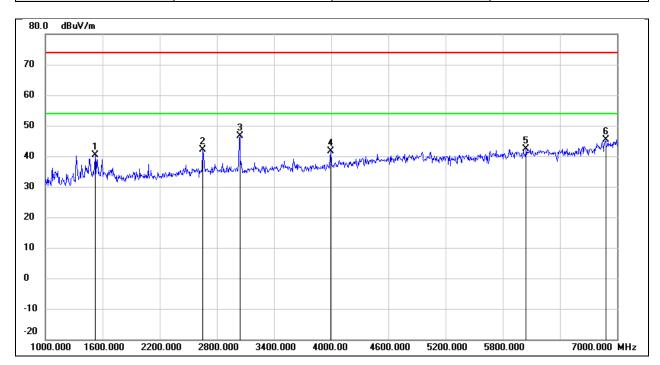


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	54.62	-13.53	41.09	74.00	-32.91	peak
2	2656.000	56.11	-8.02	48.09	74.00	-25.91	peak
3	3034.000	53.73	-6.91	46.82	74.00	-27.18	peak
4	3982.000	49.24	-4.53	44.71	74.00	-29.29	peak
5	5104.000	41.37	-0.03	41.34	74.00	-32.66	peak
6	6868.000	39.87	5.54	45.41	74.00	-28.59	peak





Test Mode:	802.11a 20	Frequency(MHz):	5260
Polarity:	Horizontal	Test Voltage:	DC 5 V

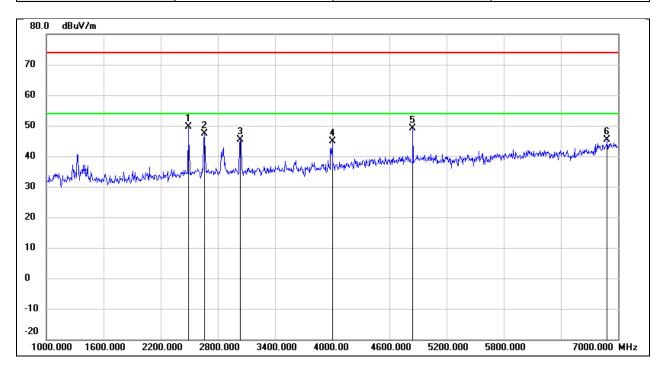


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1522.000	52.98	-12.64	40.34	74.00	-33.66	peak
2	2650.000	50.05	-8.03	42.02	74.00	-31.98	peak
3	3040.000	53.52	-6.89	46.63	74.00	-27.37	peak
4	3994.000	46.23	-4.49	41.74	74.00	-32.26	peak
5	6046.000	40.35	2.02	42.37	74.00	-31.63	peak
6	6880.000	39.79	5.60	45.39	74.00	-28.61	peak

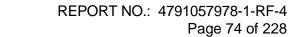


Test Mode: 802.11a 20 Frequency(MHz): 5260

Polarity: Vertical Test Voltage: DC 5 V

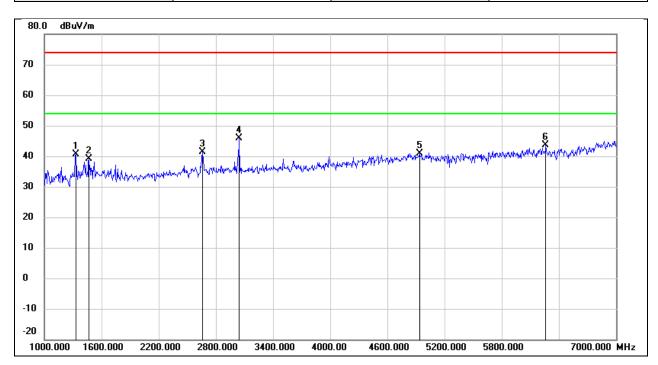


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2488.000	58.13	-8.55	49.58	74.00	-24.42	peak
2	2656.000	55.47	-8.02	47.45	74.00	-26.55	peak
3	3034.000	52.34	-6.91	45.43	74.00	-28.57	peak
4	4000.000	49.25	-4.48	44.77	74.00	-29.23	peak
5	4846.000	49.83	-0.77	49.06	74.00	-24.94	peak
6	6886.000	39.80	5.63	45.43	74.00	-28.57	peak

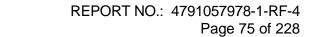




Test Mode:	802.11a 20	Frequency(MHz):	5280
Polarity:	Horizontal	Test Voltage:	DC 5 V

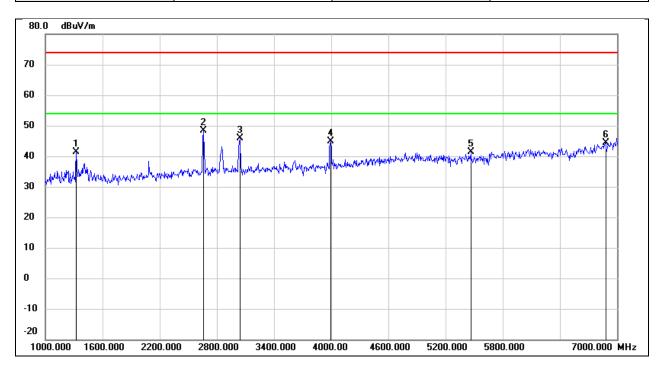


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1330.000	54.13	-13.50	40.63	74.00	-33.37	peak
2	1468.000	52.06	-12.86	39.20	74.00	-34.80	peak
3	2656.000	49.47	-8.02	41.45	74.00	-32.55	peak
4	3046.000	52.75	-6.88	45.87	74.00	-28.13	peak
5	4936.000	41.39	-0.40	40.99	74.00	-33.01	peak
6	6262.000	40.81	2.83	43.64	74.00	-30.36	peak

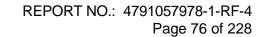




Test Mode:	802.11a 20	Frequency(MHz):	5280
Polarity:	Vertical	Test Voltage:	DC 5 V

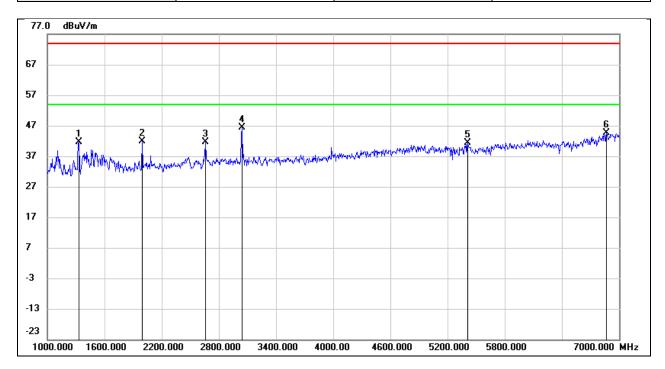


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	54.91	-13.53	41.38	74.00	-32.62	peak
2	2656.000	56.37	-8.02	48.35	74.00	-25.65	peak
3	3040.000	52.87	-6.89	45.98	74.00	-28.02	peak
4	3994.000	49.32	-4.49	44.83	74.00	-29.17	peak
5	5464.000	40.93	0.38	41.31	74.00	-32.69	peak
6	6880.000	38.89	5.60	44.49	74.00	-29.51	peak





Test Mode:	802.11a 20	Frequency(MHz):	5320
Polarity:	Horizontal	Test Voltage:	DC 5 V

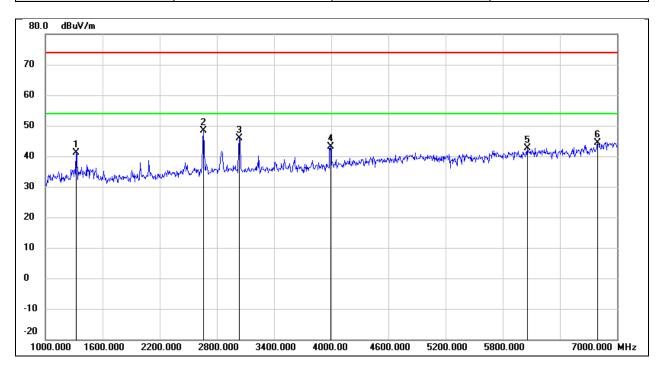


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1330.000	55.05	-13.50	41.55	74.00	-32.45	peak
2	1996.000	52.96	-11.07	41.89	74.00	-32.11	peak
3	2662.000	49.54	-8.01	41.53	74.00	-32.47	peak
4	3040.000	53.27	-6.89	46.38	74.00	-27.62	peak
5	5410.000	41.05	0.32	41.37	74.00	-32.63	peak
6	6868.000	39.20	5.54	44.74	74.00	-29.26	peak

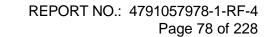




Test Mode:	802.11a 20	Frequency(MHz):	5320
Polarity:	Vertical	Test Voltage:	DC 5 V



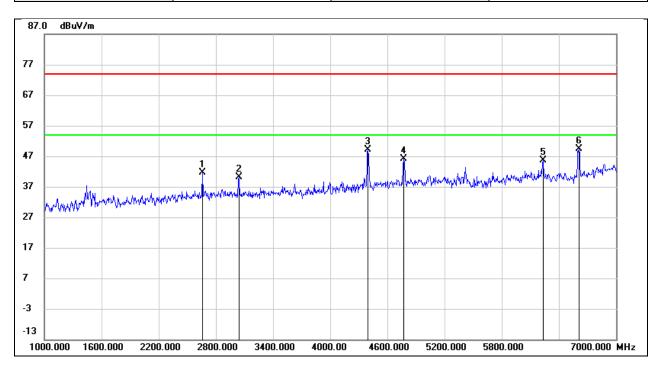
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	54.66	-13.53	41.13	74.00	-32.87	peak
2	2656.000	56.31	-8.02	48.29	74.00	-25.71	peak
3	3034.000	52.89	-6.91	45.98	74.00	-28.02	peak
4	3994.000	47.63	-4.49	43.14	74.00	-30.86	peak
5	6058.000	40.61	2.06	42.67	74.00	-31.33	peak
6	6796.000	39.12	5.19	44.31	74.00	-29.69	peak



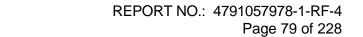


 Test Mode:
 802.11a 20
 Frequency(MHz):
 5500

 Polarity:
 Horizontal
 Test Voltage:
 DC 5 V

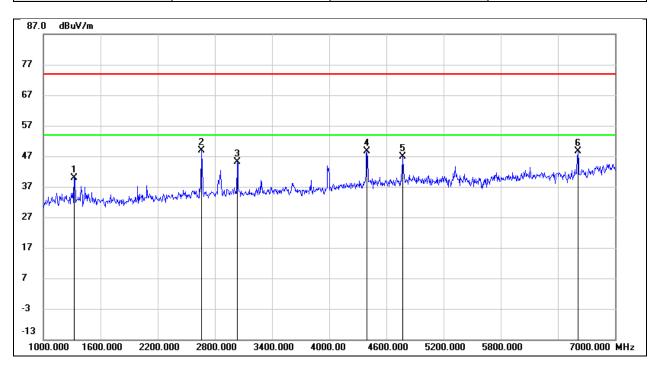


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2662.000	49.69	-8.01	41.68	74.00	-32.32	peak
2	3040.000	46.97	-6.89	40.08	74.00	-33.92	peak
3	4396.000	51.82	-2.63	49.19	74.00	-24.81	peak
4	4768.000	47.14	-1.07	46.07	74.00	-27.93	peak
5	6232.000	43.01	2.72	45.73	74.00	-28.27	peak
6	6610.000	45.18	4.27	49.45	74.00	-24.55	peak

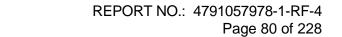




Test Mode:	802.11a 20	Frequency(MHz):	5500
Polarity:	Vertical	Test Voltage:	DC 5 V

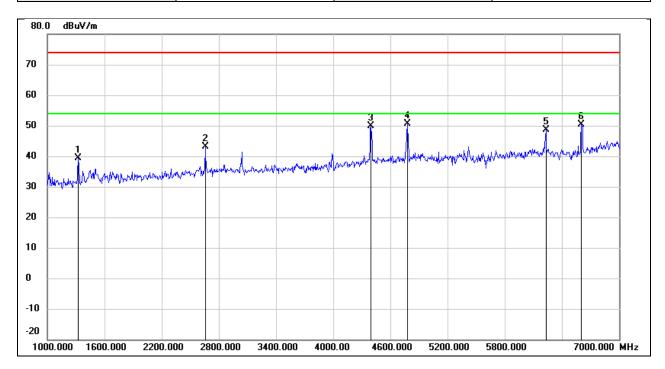


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	53.40	-13.53	39.87	74.00	-34.13	peak
2	2656.000	56.98	-8.02	48.96	74.00	-25.04	peak
3	3034.000	52.08	-6.91	45.17	74.00	-28.83	peak
4	4396.000	51.31	-2.63	48.68	74.00	-25.32	peak
5	4774.000	47.95	-1.05	46.90	74.00	-27.10	peak
6	6610.000	44.35	4.27	48.62	74.00	-25.38	peak

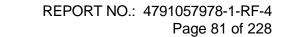




Test Mode:	802.11a 20	Frequency(MHz):	5580
Polarity:	Horizontal	Test Voltage:	DC 5 V



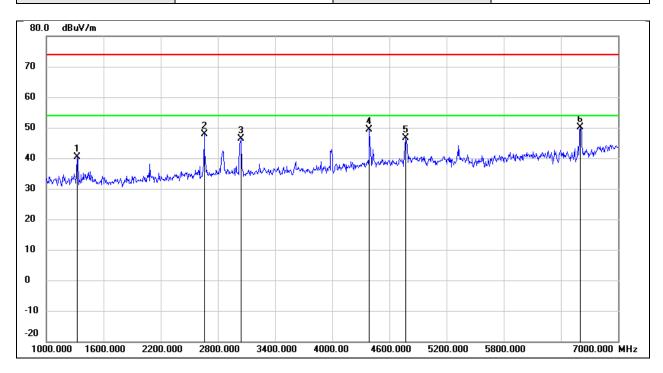
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	52.95	-13.53	39.42	74.00	-34.58	peak
2	2656.000	51.11	-8.02	43.09	74.00	-30.91	peak
3	4396.000	52.62	-2.63	49.99	74.00	-24.01	peak
4	4780.000	51.56	-1.02	50.54	74.00	-23.46	peak
5	6232.000	46.01	2.72	48.73	74.00	-25.27	peak
6	6604.000	46.06	4.24	50.30	74.00	-23.70	peak





 Test Mode:
 802.11a 20
 Frequency(MHz):
 5580

 Polarity:
 Vertical
 Test Voltage:
 DC 5 V



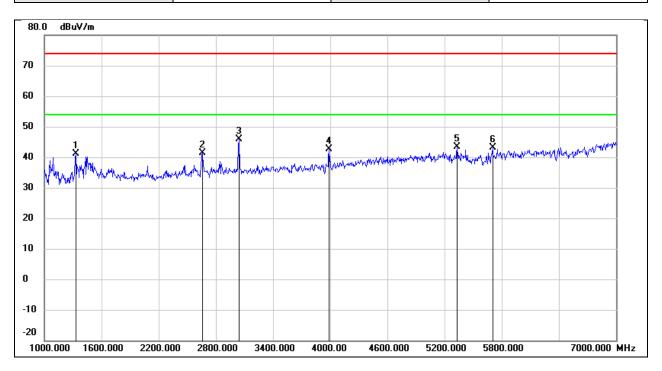
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	54.03	-13.53	40.50	74.00	-33.50	peak
2	2656.000	55.86	-8.02	47.84	74.00	-26.16	peak
3	3046.000	53.19	-6.88	46.31	74.00	-27.69	peak
4	4390.000	52.08	-2.66	49.42	74.00	-24.58	peak
5	4774.000	47.59	-1.05	46.54	74.00	-27.46	peak
6	6604.000	45.92	4.24	50.16	74.00	-23.84	peak





 Test Mode:
 802.11a 20
 Frequency(MHz):
 5700

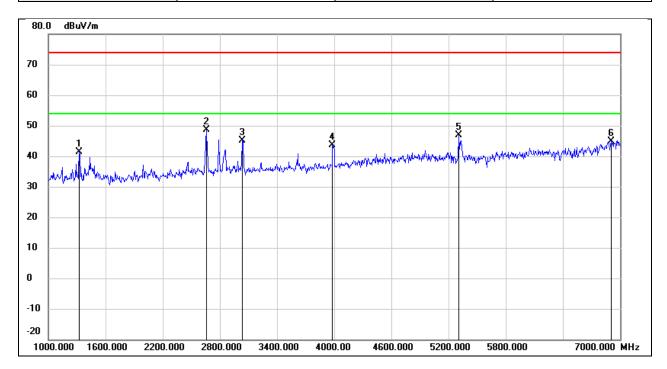
 Polarity:
 Horizontal
 Test Voltage:
 DC 5 V



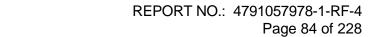
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1330.000	54.69	-13.50	41.19	74.00	-32.81	peak
2	2656.000	49.35	-8.02	41.33	74.00	-32.67	peak
3	3046.000	52.73	-6.88	45.85	74.00	-28.15	peak
4	3988.000	47.02	-4.51	42.51	74.00	-31.49	peak
5	5332.000	43.18	0.22	43.40	74.00	-30.60	peak
6	5704.000	42.20	1.00	43.20	74.00	-30.80	peak



Test Mode:	802.11a 20	Frequency(MHz):	5700
Polarity:	Vertical	Test Voltage:	DC 5 V

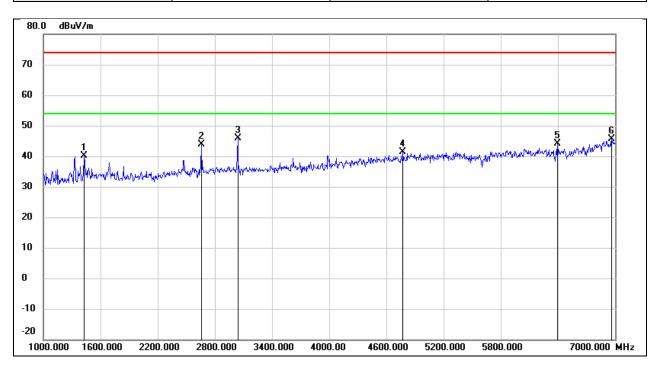


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	54.96	-13.53	41.43	74.00	-32.57	peak
2	2656.000	56.66	-8.02	48.64	74.00	-25.36	peak
3	3034.000	51.99	-6.91	45.08	74.00	-28.92	peak
4	3982.000	48.23	-4.53	43.70	74.00	-30.30	peak
5	5308.000	46.67	0.20	46.87	74.00	-27.13	peak
6	6904.000	39.10	5.72	44.82	74.00	-29.18	peak





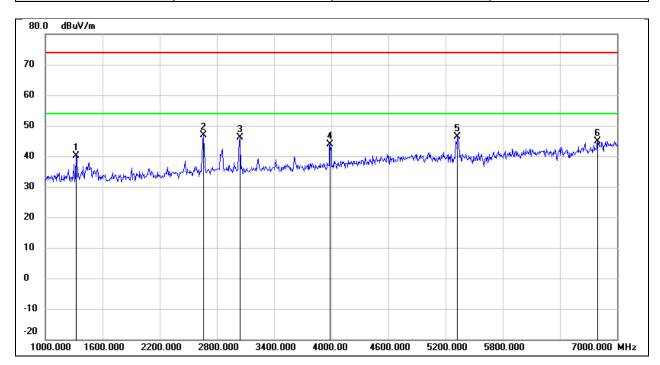
Test Mode:	802.11a 20	Frequency(MHz):	5720
Polarity:	Horizontal	Test Voltage:	DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1426.000	53.30	-13.05	40.25	74.00	-33.75	peak
2	2656.000	51.96	-8.02	43.94	74.00	-30.06	peak
3	3040.000	52.83	-6.89	45.94	74.00	-28.06	peak
4	4774.000	42.34	-1.05	41.29	74.00	-32.71	peak
5	6394.000	40.91	3.33	44.24	74.00	-29.76	peak
6	6964.000	39.54	6.03	45.57	74.00	-28.43	peak



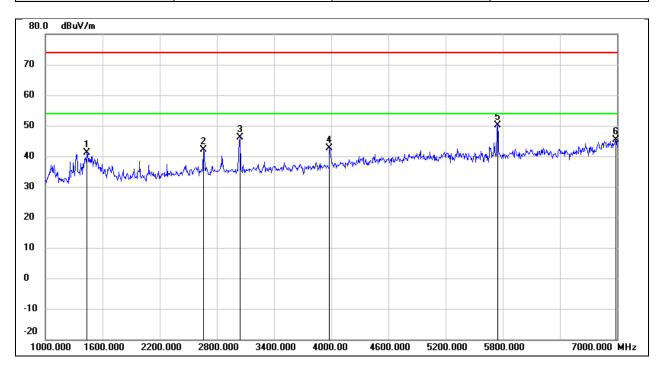
Test Mode:	802.11a 20	Frequency(MHz):	5720
Polarity:	Vertical	Test Voltage:	DC 5 V



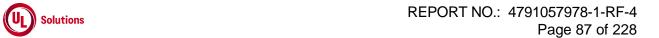
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	53.77	-13.53	40.24	74.00	-33.76	peak
2	2656.000	54.89	-8.02	46.87	74.00	-27.13	peak
3	3040.000	53.09	-6.89	46.20	74.00	-27.80	peak
4	3988.000	48.43	-4.51	43.92	74.00	-30.08	peak
5	5326.000	46.05	0.22	46.27	74.00	-27.73	peak
6	6796.000	39.79	5.19	44.98	74.00	-29.02	peak



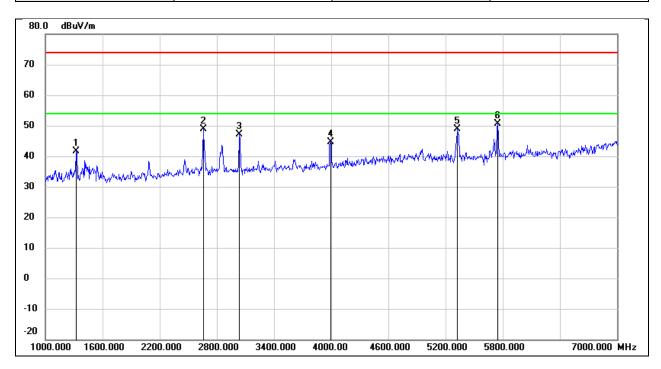
Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 5 V



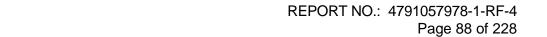
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1438.000	54.03	-13.00	41.03	74.00	-32.97	peak
2	2656.000	50.21	-8.02	42.19	74.00	-31.81	peak
3	3046.000	52.91	-6.88	46.03	74.00	-27.97	peak
4	3982.000	47.06	-4.53	42.53	74.00	-31.47	peak
5	5746.000	49.08	1.12	50.20	/	/	fundamental
6	6988.000	39.14	6.14	45.28	74.00	-28.72	peak



Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Vertical	Test Voltage:	DC 5 V

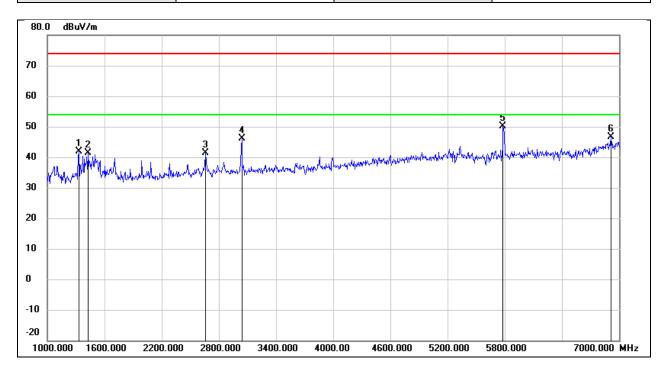


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1324.000	55.17	-13.53	41.64	74.00	-32.36	peak
2	2656.000	56.78	-8.02	48.76	74.00	-25.24	peak
3	3034.000	53.92	-6.91	47.01	74.00	-26.99	peak
4	3994.000	49.10	-4.49	44.61	74.00	-29.39	peak
5	5326.000	48.56	0.22	48.78	74.00	-25.22	peak
6	5746.000	49.60	1.12	50.72	/	/	fundamental





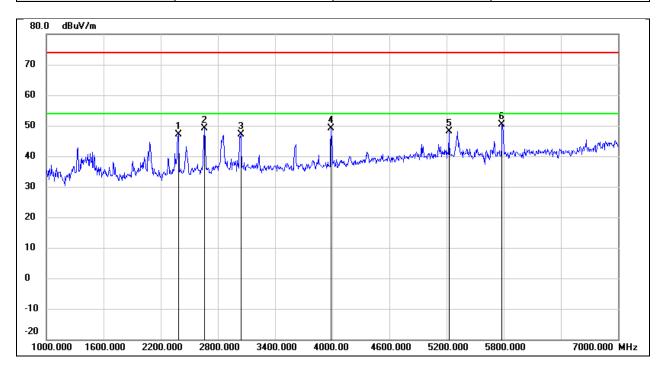
Test Mode:	802.11a 20	Frequency(MHz):	5785
Polarity:	Horizontal	Test Voltage:	DC 5 V



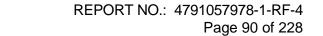
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1330.000	55.39	-13.50	41.89	74.00	-32.11	peak
2	1426.000	54.40	-13.05	41.35	74.00	-32.65	peak
3	2662.000	49.32	-8.01	41.31	74.00	-32.69	peak
4	3040.000	52.96	-6.89	46.07	74.00	-27.93	peak
5	5785.000	49.02	1.23	50.25	/	/	fundamental
6	6916.000	40.92	5.78	46.70	74.00	-27.30	peak



Test Mode:	802.11a 20	Frequency(MHz):	5785
Polarity:	Vertical	Test Voltage:	DC 5 V



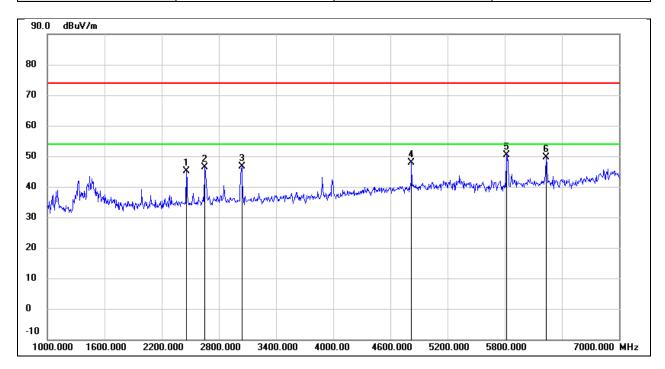
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2386.000	56.09	-9.08	47.01	74.00	-26.99	peak
2	2662.000	57.23	-8.01	49.22	74.00	-24.78	peak
3	3040.000	54.06	-6.89	47.17	74.00	-26.83	peak
4	3988.000	53.59	-4.51	49.08	74.00	-24.92	peak
5	5224.000	47.98	0.10	48.08	74.00	-25.92	peak
6	5785.000	49.13	1.23	50.36	/	/	fundamental



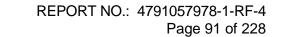


Test Mode: 802.11a 20 Frequency(MHz): 5825

Polarity: Horizontal Test Voltage: DC 5 V

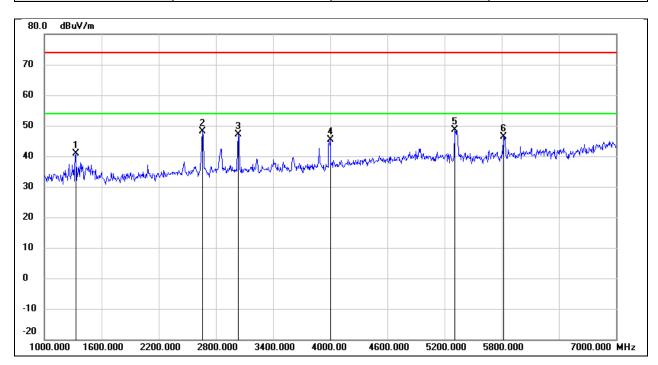


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2458.000	53.77	-8.71	45.06	74.00	-28.94	peak
2	2650.000	54.49	-8.03	46.46	74.00	-27.54	peak
3	3040.000	53.48	-6.89	46.59	74.00	-27.41	peak
4	4822.000	48.78	-0.85	47.93	74.00	-26.07	peak
5	5825.000	48.95	1.33	50.28	/	/	fundamental
6	6232.000	46.98	2.72	49.70	74.00	-24.30	peak





Test Mode:	802.11a 20	Frequency(MHz):	5825
Polarity:	Vertical	Test Voltage:	DC 5 V



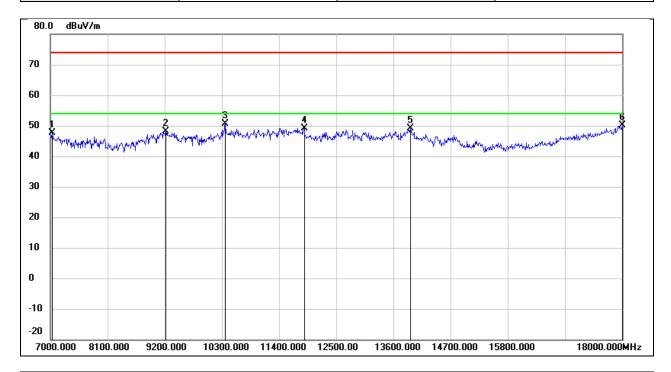
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1330.000	54.26	-13.50	40.76	74.00	-33.24	peak
2	2656.000	56.03	-8.02	48.01	74.00	-25.99	peak
3	3034.000	54.08	-6.91	47.17	74.00	-26.83	peak
4	4000.000	49.93	-4.48	45.45	74.00	-28.55	peak
5	5308.000	48.38	0.20	48.58	74.00	-25.42	peak
6	5825.000	45.08	1.33	46.41	/	/	fundamental

REPORT NO.: 4791057978-1-RF-4

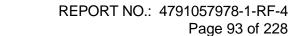
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8.3. SPURIOUS EMISSIONS(7 GHZ~18 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V

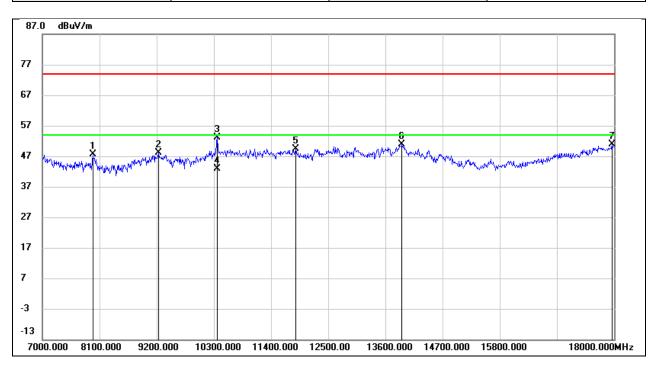


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7033.000	40.47	7.04	47.51	74.00	-26.49	peak
2	9222.000	37.59	10.48	48.07	74.00	-25.93	peak
3	10366.000	38.20	12.54	50.74	74.00	-23.26	peak
4	11884.000	31.67	17.48	49.15	74.00	-24.85	peak
5	13930.000	27.45	21.71	49.16	74.00	-24.84	peak
6	18000.000	24.09	26.12	50.21	74.00	-23.79	peak

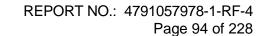




Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Vertical	Test Voltage:	DC 5 V

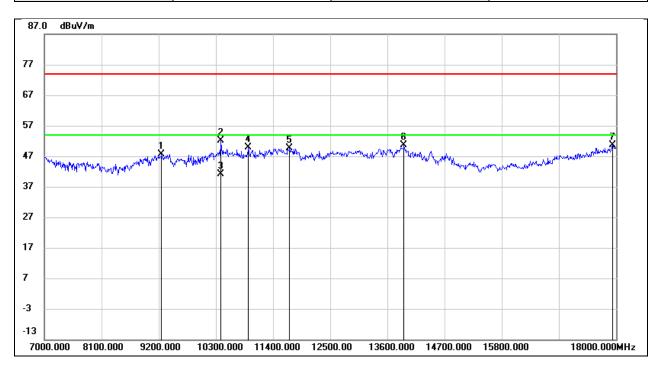


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7968.000	41.13	6.45	47.58	74.00	-26.42	peak
2	9233.000	37.74	10.48	48.22	74.00	-25.78	peak
3	10366.000	40.51	12.54	53.05	74.00	-20.95	peak
4	10366.000	30.31	12.54	42.85	54.00	-11.15	AVG
5	11873.000	31.87	17.46	49.33	74.00	-24.67	peak
6	13919.000	29.24	21.68	50.92	74.00	-23.08	peak
7	17956.000	24.99	25.82	50.81	74.00	-23.19	peak

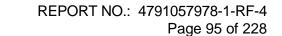




Test Mode:	802.11a 20	Frequency(MHz):	5200
Polarity:	Horizontal	Test Voltage:	DC 5 V



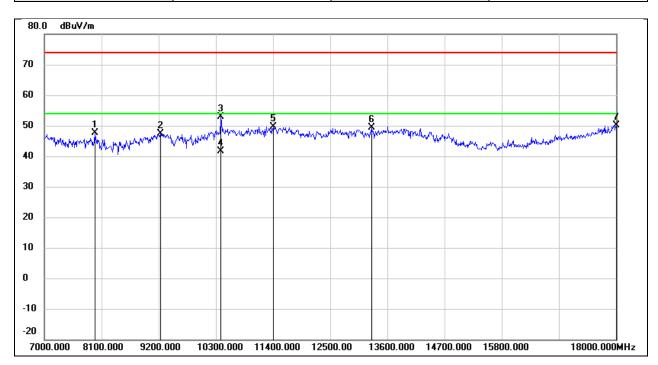
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9255.000	37.07	10.50	47.57	74.00	-26.43	peak
2	10399.000	39.52	12.61	52.13	74.00	-21.87	peak
3	10399.000	28.59	12.61	41.20	54.00	-12.80	AVG
4	10927.000	35.44	14.45	49.89	74.00	-24.11	peak
5	11719.000	32.40	17.18	49.58	74.00	-24.42	peak
6	13919.000	28.86	21.68	50.54	74.00	-23.46	peak
7	17934.000	25.04	25.67	50.71	74.00	-23.29	peak



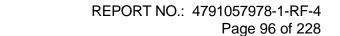


 Test Mode:
 802.11a 20
 Frequency(MHz):
 5200

 Polarity:
 Vertical
 Test Voltage:
 DC 5 V

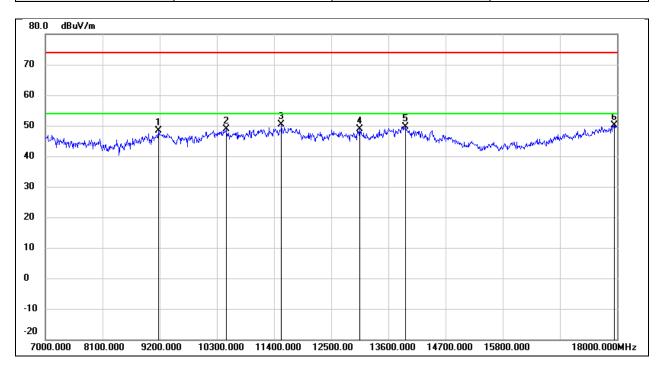


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7968.000	41.06	6.45	47.51	74.00	-26.49	peak
2	9233.000	36.87	10.48	47.35	74.00	-26.65	peak
3	10399.000	40.15	12.61	52.76	74.00	-21.24	peak
4	10399.000	29.07	12.61	41.68	54.00	-12.32	AVG
5	11411.000	33.32	16.41	49.73	74.00	-24.27	peak
6	13292.000	29.55	19.72	49.27	74.00	-24.73	peak
7	18000.000	24.05	26.12	50.17	74.00	-23.83	peak

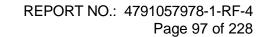




Test Mode:	802.11a 20	Frequency(MHz):	5240
Polarity:	Horizontal	Test Voltage:	DC 5 V

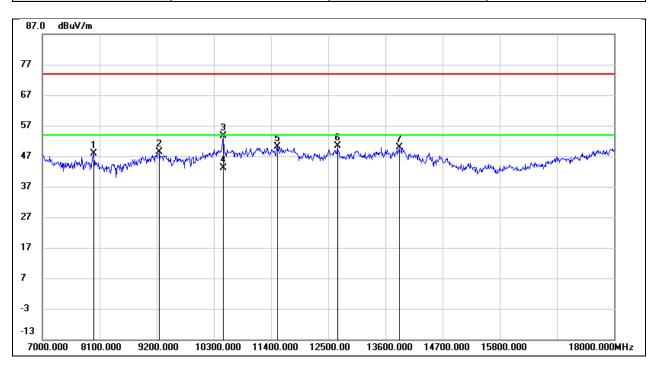


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9178.000	37.81	10.45	48.26	74.00	-25.74	peak
2	10476.000	36.03	12.77	48.80	74.00	-25.20	peak
3	11543.000	33.60	16.84	50.44	74.00	-23.56	peak
4	13050.000	30.24	18.66	48.90	74.00	-25.10	peak
5	13930.000	27.97	21.71	49.68	74.00	-24.32	peak
6	17945.000	24.33	25.75	50.08	74.00	-23.92	peak

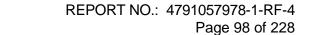




Test Mode:	802.11a 20	Frequency(MHz):	5240
Polarity:	Vertical	Test Voltage:	DC 5 V



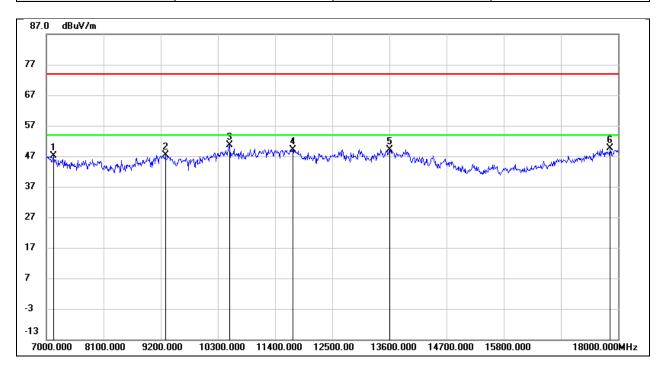
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7990.000	41.34	6.43	47.77	74.00	-26.23	peak
2	9255.000	37.81	10.50	48.31	74.00	-25.69	peak
3	10476.000	40.98	12.77	53.75	74.00	-20.25	peak
4	10476.000	30.40	12.77	43.17	54.00	-10.83	AVG
5	11521.000	33.19	16.82	50.01	74.00	-23.99	peak
6	12676.000	32.23	18.05	50.28	74.00	-23.72	peak
7	13864.000	28.46	21.53	49.99	74.00	-24.01	peak



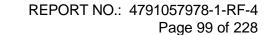


Test Mode: 802.11a 20 Frequency(MHz): 5260

Polarity: Horizontal Test Voltage: DC 5 V



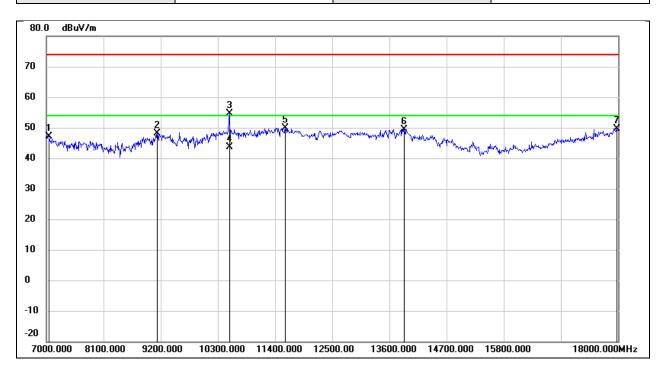
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7143.000	40.13	7.00	47.13	74.00	-26.87	peak
2	9288.000	36.79	10.52	47.31	74.00	-26.69	peak
3	10520.000	37.78	12.90	50.68	74.00	-23.32	peak
4	11741.000	32.03	17.22	49.25	74.00	-24.75	peak
5	13600.000	28.32	20.89	49.21	74.00	-24.79	peak
6	17846.000	24.58	25.08	49.66	74.00	-24.34	peak



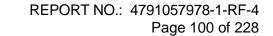


Test Mode: 802.11a 20 Frequency(MHz): 5260

Polarity: Vertical Test Voltage: DC 5 V



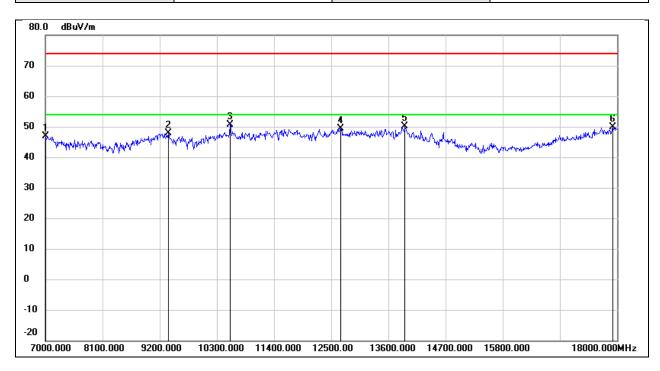
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7044.000	40.06	7.04	47.10	74.00	-26.90	peak
2	9134.000	37.71	10.41	48.12	74.00	-25.88	peak
3	10520.000	41.63	12.90	54.53	74.00	-19.47	peak
4	10520.000	30.62	12.90	43.52	54.00	-10.48	AVG
5	11598.000	33.03	16.96	49.99	74.00	-24.01	peak
6	13886.000	27.76	21.60	49.36	74.00	-24.64	peak
7	17978.000	23.63	25.97	49.60	74.00	-24.40	peak





Test Mode: 802.11a 20 Frequency(MHz): 5280

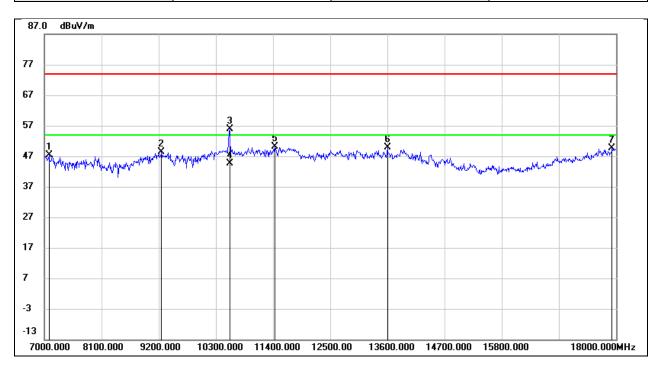
Polarity: Horizontal Test Voltage: DC 5 V



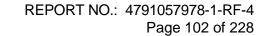
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7000.000	39.81	7.05	46.86	74.00	-27.14	peak
2	9365.000	37.33	10.57	47.90	74.00	-26.10	peak
3	10553.000	37.63	13.02	50.65	74.00	-23.35	peak
4	12687.000	31.42	18.05	49.47	74.00	-24.53	peak
5	13919.000	28.33	21.68	50.01	74.00	-23.99	peak
6	17912.000	24.38	25.52	49.90	74.00	-24.10	peak



Test Mode:	802.11a 20	Frequency(MHz):	5280
Polarity:	Vertical	Test Voltage:	DC 5 V

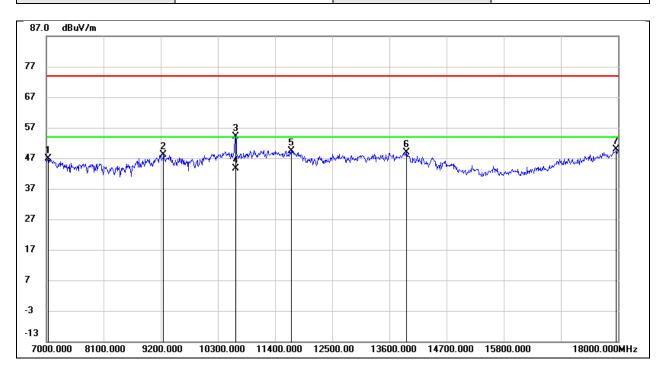


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7088.000	40.30	7.02	47.32	74.00	-26.68	peak
2	9255.000	37.81	10.51	48.32	74.00	-25.68	peak
3	10564.000	42.73	13.06	55.79	74.00	-18.21	peak
4	10564.000	31.59	13.06	44.65	54.00	-9.35	AVG
5	11433.000	33.66	16.50	50.16	74.00	-23.84	peak
6	13600.000	29.10	20.89	49.99	74.00	-24.01	peak
7	17923.000	23.91	25.60	49.51	74.00	-24.49	peak

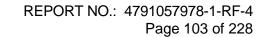




Test Mode: 802.11a 20 Frequency(MHz): 5320
Polarity: Horizontal Test Voltage: DC 5 V



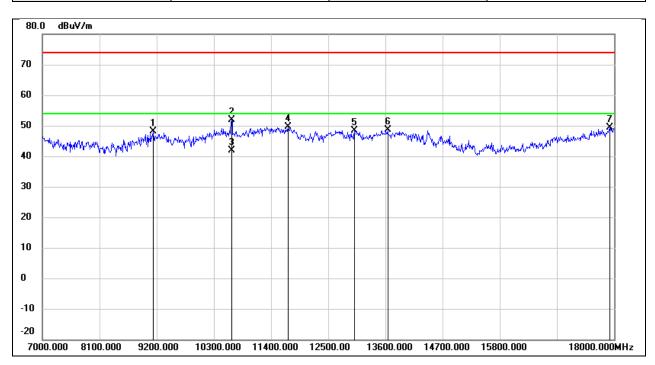
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7033.000	39.72	7.04	46.76	74.00	-27.24	peak
2	9255.000	37.61	10.51	48.12	74.00	-25.88	peak
3	10641.000	40.80	13.36	54.16	74.00	-19.84	peak
4	10641.000	30.38	13.36	43.74	54.00	-10.26	AVG
5	11708.000	32.32	17.16	49.48	74.00	-24.52	peak
6	13930.000	27.15	21.71	48.86	74.00	-25.14	peak
7	17967.000	24.05	25.89	49.94	74.00	-24.06	peak



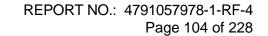


 Test Mode:
 802.11a 20
 Frequency(MHz):
 5320

 Polarity:
 Vertical
 Test Voltage:
 DC 5 V



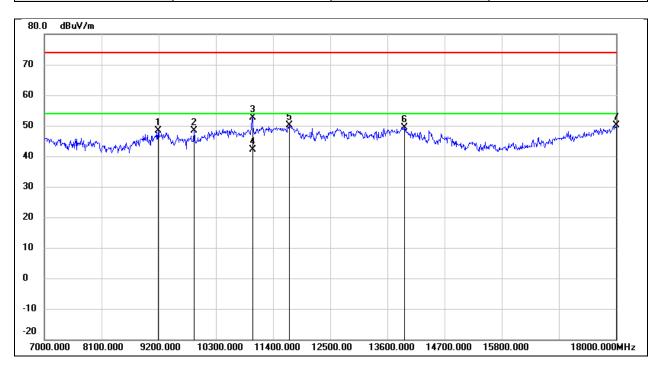
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9134.000	37.72	10.41	48.13	74.00	-25.87	peak
2	10641.000	38.61	13.36	51.97	74.00	-22.03	peak
3	10641.000	28.53	13.36	41.89	54.00	-12.11	AVG
4	11730.000	32.49	17.19	49.68	74.00	-24.32	peak
5	13006.000	29.99	18.47	48.46	74.00	-25.54	peak
6	13644.000	27.58	20.99	48.57	74.00	-25.43	peak
7	17912.000	23.76	25.52	49.28	74.00	-24.72	peak



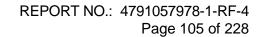


Test Mode: 802.11a 20 Frequency(MHz): 5500

Polarity: Horizontal Test Voltage: DC 5 V



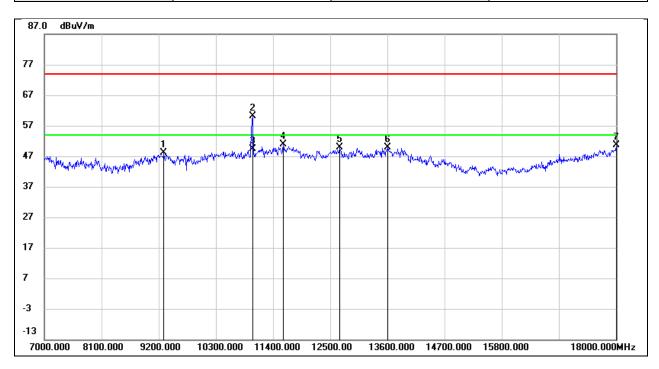
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9189.000	37.83	10.46	48.29	74.00	-25.71	peak
2	9882.000	36.80	11.50	48.30	74.00	-25.70	peak
3	11004.000	37.91	14.74	52.65	74.00	-21.35	peak
4	11004.000	27.44	14.74	42.18	54.00	-11.82	AVG
5	11708.000	32.85	17.16	50.01	74.00	-23.99	peak
6	13930.000	27.77	21.71	49.48	74.00	-24.52	peak
7	18000.000	24.00	26.12	50.12	74.00	-23.88	peak





 Test Mode:
 802.11a 20
 Frequency(MHz):
 5500

 Polarity:
 Vertical
 Test Voltage:
 DC 5 V

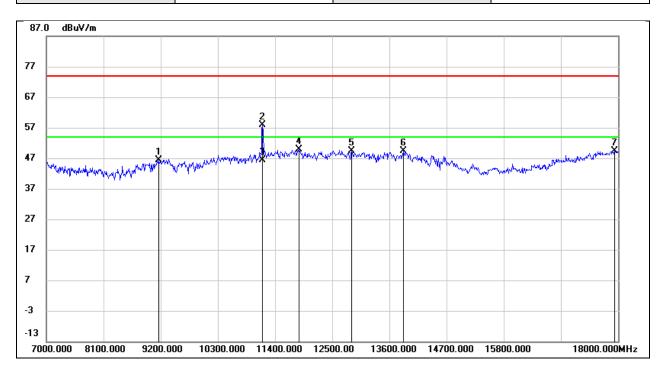


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9299.000	37.62	10.53	48.15	74.00	-25.85	peak
2	11004.000	45.34	14.74	60.08	74.00	-13.92	peak
3	11004.000	34.58	14.74	49.32	54.00	-4.68	AVG
4	11598.000	33.80	16.96	50.76	74.00	-23.24	peak
5	12676.000	31.79	18.05	49.84	74.00	-24.16	peak
6	13611.000	28.90	20.92	49.82	74.00	-24.18	peak
7	18000.000	24.58	26.12	50.70	74.00	-23.30	peak

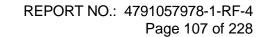


Test Mode: 802.11a 20 Frequency(MHz): 5580

Polarity: Horizontal Test Voltage: DC 5 V

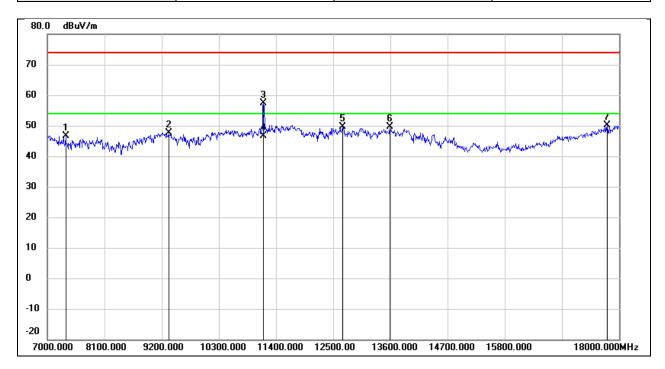


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9167.000	35.87	10.45	46.32	74.00	-27.68	peak
2	11158.000	42.50	15.37	57.87	74.00	-16.13	peak
3	11158.000	30.90	15.37	46.27	54.00	-7.73	AVG
4	11862.000	32.37	17.45	49.82	74.00	-24.18	peak
5	12874.000	31.09	18.30	49.39	74.00	-24.61	peak
6	13875.000	27.75	21.57	49.32	74.00	-24.68	peak
7	17934.000	23.73	25.67	49.40	74.00	-24.60	peak





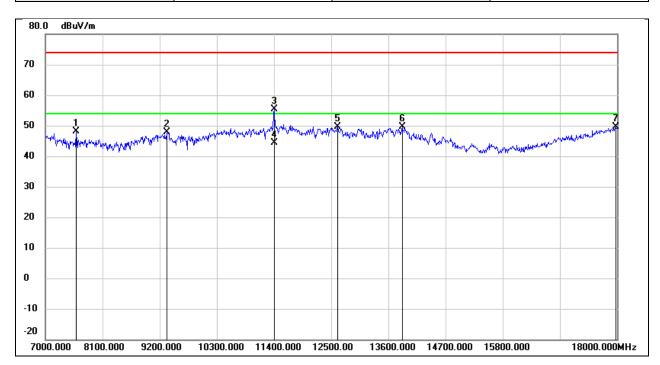
Test Mode:	802.11a 20	Frequency(MHz):	5580
Polarity:	Vertical	Test Voltage:	DC 5 V



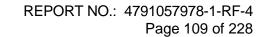
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7352.000	39.67	6.92	46.59	74.00	-27.41	peak
2	9332.000	37.08	10.54	47.62	74.00	-26.38	peak
3	11158.000	42.02	15.37	57.39	74.00	-16.61	peak
4	11158.000	31.22	15.37	46.59	54.00	-7.41	AVG
5	12676.000	31.57	18.05	49.62	74.00	-24.38	peak
6	13589.000	28.83	20.86	49.69	74.00	-24.31	peak
7	17769.000	25.67	24.53	50.20	74.00	-23.80	peak



Test Mode:	802.11a 20	Frequency(MHz):	5700
Polarity:	Horizontal	Test Voltage:	DC 5 V



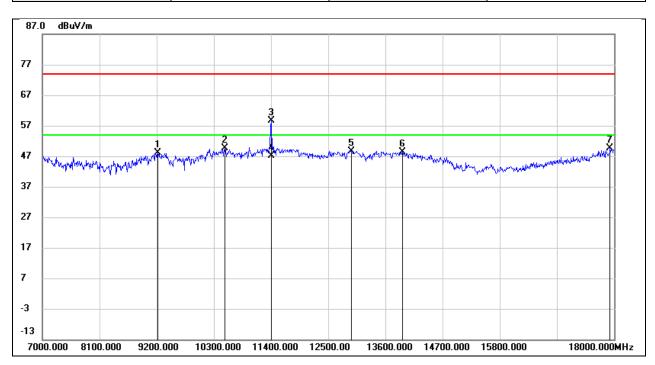
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7594.000	41.44	6.79	48.23	74.00	-25.77	peak
2	9332.000	37.29	10.54	47.83	74.00	-26.17	peak
3	11400.000	39.11	16.36	55.47	74.00	-18.53	peak
4	11400.000	28.00	16.36	44.36	54.00	-9.64	AVG
5	12621.000	31.76	17.98	49.74	74.00	-24.26	peak
6	13864.000	28.01	21.53	49.54	74.00	-24.46	peak
7	17978.000	23.60	25.97	49.57	74.00	-24.43	peak



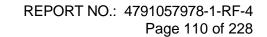


 Test Mode:
 802.11a 20
 Frequency(MHz):
 5700

 Polarity:
 Vertical
 Test Voltage:
 DC 5 V

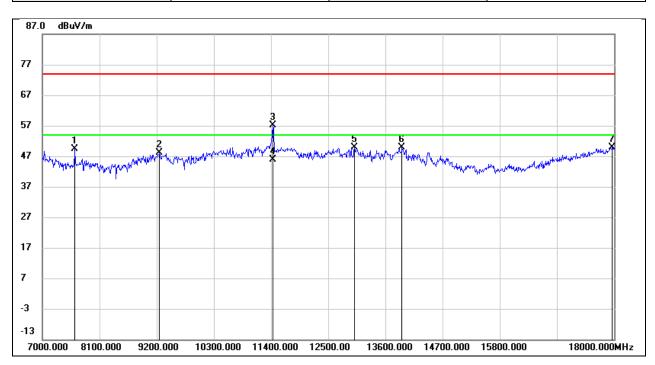


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9222.000	37.56	10.48	48.04	74.00	-25.96	peak
2	10509.000	36.74	12.85	49.59	74.00	-24.41	peak
3	11400.000	42.37	16.36	58.73	74.00	-15.27	peak
4	11400.000	30.82	16.36	47.18	54.00	-6.82	AVG
5	12940.000	30.36	18.38	48.74	74.00	-25.26	peak
6	13930.000	26.66	21.71	48.37	74.00	-25.63	peak
7	17923.000	24.15	25.60	49.75	74.00	-24.25	peak





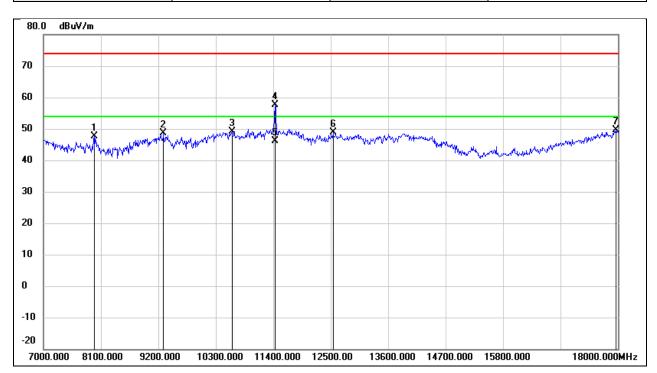
Test Mode:	802.11a 20	Frequency(MHz):	5720
Polarity:	Horizontal	Test Voltage:	DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7627.000	42.63	6.76	49.39	74.00	-24.61	peak
2	9255.000	37.53	10.51	48.04	74.00	-25.96	peak
3	11433.000	40.56	16.50	57.06	74.00	-16.94	peak
4	11433.000	29.32	16.50	45.82	54.00	-8.18	AVG
5	13006.000	31.43	18.47	49.90	74.00	-24.10	peak
6	13919.000	28.13	21.68	49.81	74.00	-24.19	peak
7	17967.000	23.95	25.89	49.84	74.00	-24.16	peak



Test Mode:	802.11a 20	Frequency(MHz):	5720
Polarity:	Vertical	Test Voltage:	DC 5 V

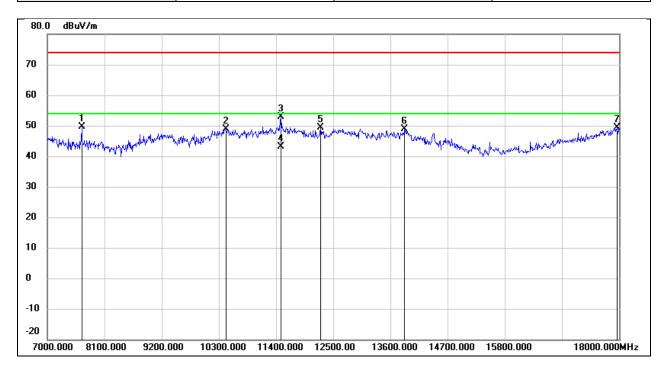


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7968.000	41.18	6.45	47.63	74.00	-26.37	peak
2	9299.000	38.11	10.53	48.64	74.00	-25.36	peak
3	10608.000	35.80	13.23	49.03	74.00	-24.97	peak
4	11433.000	41.13	16.50	57.63	74.00	-16.37	peak
5	11433.000	29.57	16.50	46.07	54.00	-7.93	AVG
6	12544.000	30.97	17.88	48.85	74.00	-25.15	peak
7	17956.000	23.75	25.82	49.57	74.00	-24.43	peak

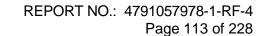




Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 5 V

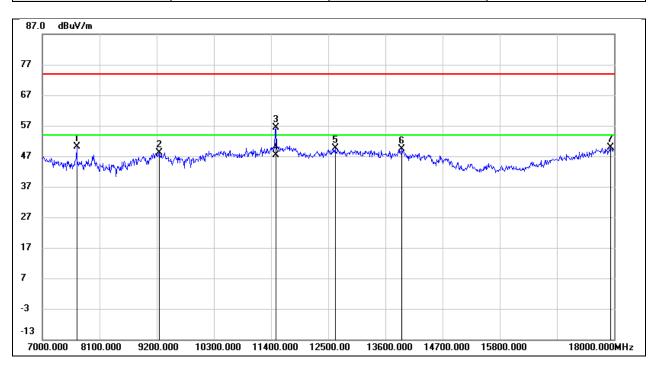


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7660.000	42.82	6.73	49.55	74.00	-24.45	peak
2	10443.000	36.25	12.70	48.95	74.00	-25.05	peak
3	11488.000	36.23	16.72	52.95	74.00	-21.05	peak
4	11488.000	26.38	16.72	43.10	54.00	-10.90	AVG
5	12258.000	31.54	17.77	49.31	74.00	-24.69	peak
6	13875.000	27.19	21.57	48.76	74.00	-25.24	peak
7	17967.000	23.58	25.89	49.47	74.00	-24.53	peak

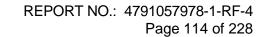




Test Mode:	802.11a 20	Frequency(MHz):	5745
Polarity:	Vertical	Test Voltage:	DC 5 V

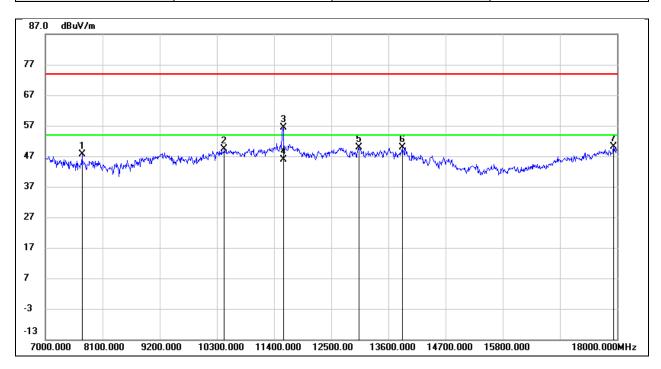


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7660.000	43.31	6.73	50.04	74.00	-23.96	peak
2	9244.000	37.72	10.49	48.21	74.00	-25.79	peak
3	11488.000	39.77	16.72	56.49	74.00	-17.51	peak
4	11488.000	30.57	16.72	47.29	54.00	-6.71	AVG
5	12632.000	31.55	17.99	49.54	74.00	-24.46	peak
6	13919.000	27.69	21.68	49.37	74.00	-24.63	peak
7	17934.000	24.25	25.67	49.92	74.00	-24.08	peak

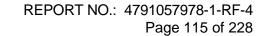




Test Mode:	802.11a 20	Frequency(MHz):	5785
Polarity:	Horizontal	Test Voltage:	DC 5 V



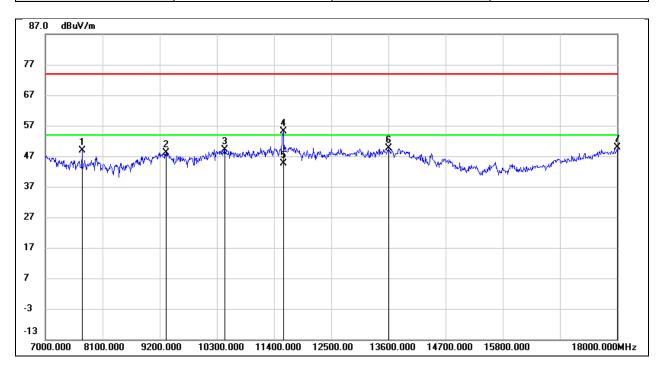
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7704.000	40.92	6.69	47.61	74.00	-26.39	peak
2	10443.000	36.63	12.70	49.33	74.00	-24.67	peak
3	11576.000	39.41	16.91	56.32	74.00	-17.68	peak
4	11576.000	28.94	16.91	45.85	54.00	-8.15	AVG
5	13028.000	31.27	18.57	49.84	74.00	-24.16	peak
6	13864.000	28.46	21.53	49.99	74.00	-24.01	peak
7	17934.000	24.46	25.67	50.13	74.00	-23.87	peak





 Test Mode:
 802.11a 20
 Frequency(MHz):
 5785

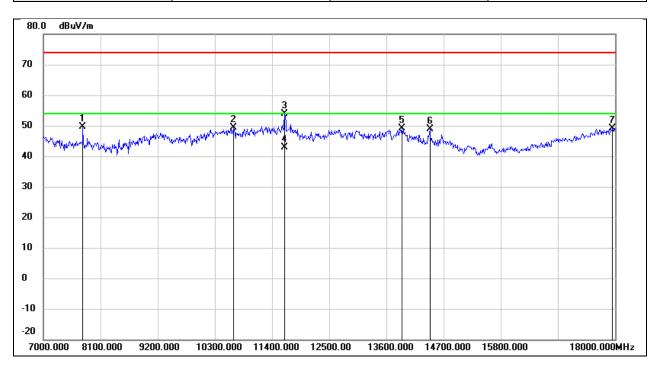
 Polarity:
 Vertical
 Test Voltage:
 DC 5 V



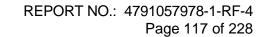
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7704.000	42.21	6.69	48.90	74.00	-25.10	peak
2	9321.000	37.59	10.53	48.12	74.00	-25.88	peak
3	10454.000	36.48	12.73	49.21	74.00	-24.79	peak
4	11576.000	38.32	16.91	55.23	74.00	-18.77	peak
5	11576.000	27.70	16.91	44.61	54.00	-9.39	AVG
6	13600.000	28.69	20.89	49.58	74.00	-24.42	peak
7	18000.000	23.68	26.12	49.80	74.00	-24.20	peak



Test Mode:	802.11a 20	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 5 V

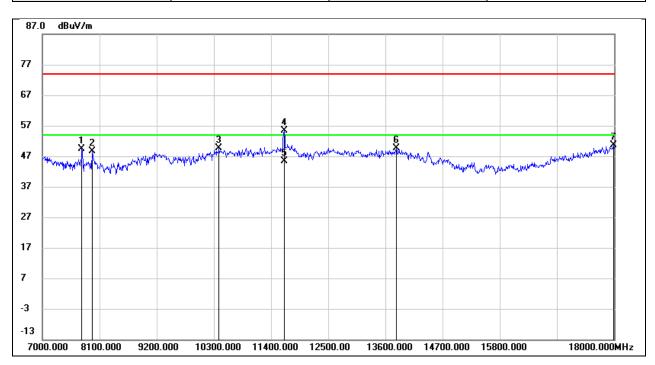


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7759.000	42.98	6.64	49.62	74.00	-24.38	peak
2	10652.000	35.86	13.40	49.26	74.00	-24.74	peak
3	11642.000	36.88	17.03	53.91	74.00	-20.09	peak
4	11642.000	25.76	17.03	42.79	54.00	-11.21	AVG
5	13897.000	27.50	21.62	49.12	74.00	-24.88	peak
6	14436.000	28.75	20.05	48.80	74.00	-25.20	peak
7	17945.000	23.45	25.75	49.20	74.00	-24.80	peak

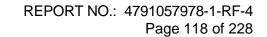




Test Mode:	802.11a 20	Frequency(MHz):	5825
Polarity:	Vertical	Test Voltage:	DC 5 V

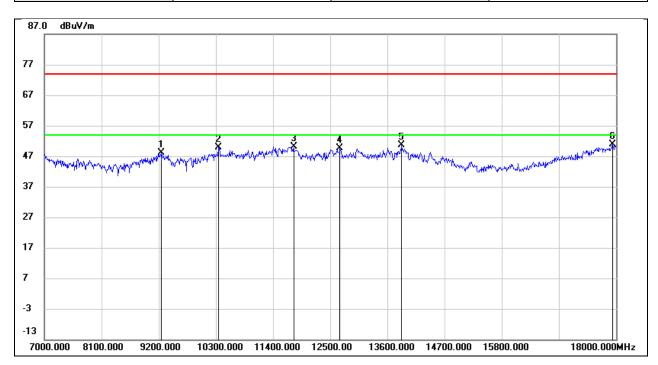


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7759.000	42.62	6.64	49.26	74.00	-24.74	peak
2	7957.000	42.16	6.46	48.62	74.00	-25.38	peak
3	10399.000	37.08	12.61	49.69	74.00	-24.31	peak
4	11653.000	38.39	17.05	55.44	74.00	-18.56	peak
5	11653.000	28.25	17.05	45.30	54.00	-8.70	AVG
6	13809.000	28.22	21.41	49.63	74.00	-24.37	peak
7	17989.000	24.55	26.04	50.59	74.00	-23.41	peak





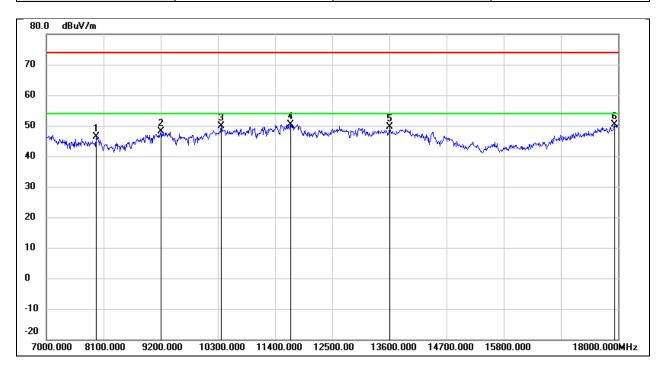
Test Mode:	802.11n HT20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V



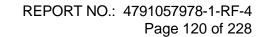
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9244.000	37.61	10.49	48.10	74.00	-25.90	peak
2	10355.000	37.38	12.52	49.90	74.00	-24.10	peak
3	11796.000	32.77	17.32	50.09	74.00	-23.91	peak
4	12687.000	31.65	18.05	49.70	74.00	-24.30	peak
5	13875.000	29.13	21.57	50.70	74.00	-23.30	peak
6	17934.000	25.15	25.67	50.82	74.00	-23.18	peak



Test Mode:	802.11n HT20	Frequency(MHz):	5180
Polarity:	Vertical	Test Voltage:	DC 5 V

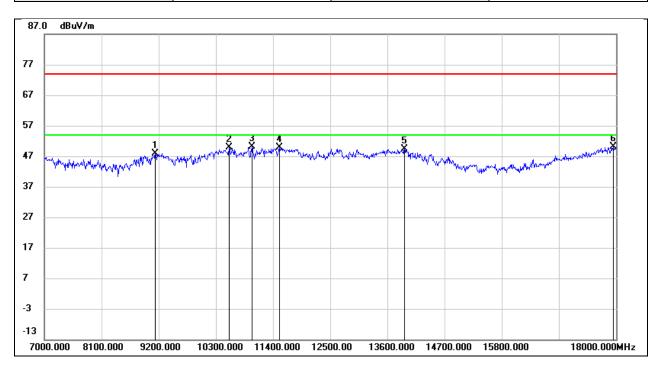


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7957.000	39.93	6.46	46.39	74.00	-27.61	peak
2	9211.000	37.57	10.47	48.04	74.00	-25.96	peak
3	10366.000	37.45	12.54	49.99	74.00	-24.01	peak
4	11697.000	33.34	17.13	50.47	74.00	-23.53	peak
5	13611.000	28.66	20.92	49.58	74.00	-24.42	peak
6	17934.000	24.83	25.67	50.50	74.00	-23.50	peak

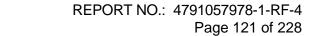




Test Mode:	802.11n HT20	Frequency(MHz):	5200
Polarity:	Horizontal	Test Voltage:	DC 5 V



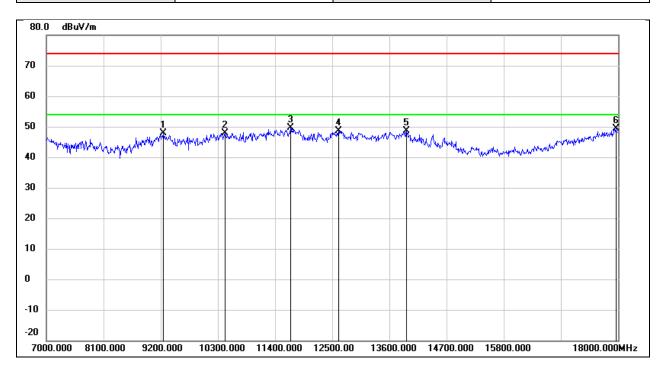
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9134.000	37.41	10.41	47.82	74.00	-26.18	peak
2	10553.000	36.88	13.02	49.90	74.00	-24.10	peak
3	10993.000	35.42	14.70	50.12	74.00	-23.88	peak
4	11521.000	32.98	16.82	49.80	74.00	-24.20	peak
5	13930.000	27.63	21.71	49.34	74.00	-24.66	peak
6	17945.000	24.49	25.75	50.24	74.00	-23.76	peak





Test Mode: 802.11n HT20 Frequency(MHz): 5200

Polarity: Vertical Test Voltage: DC 5 V

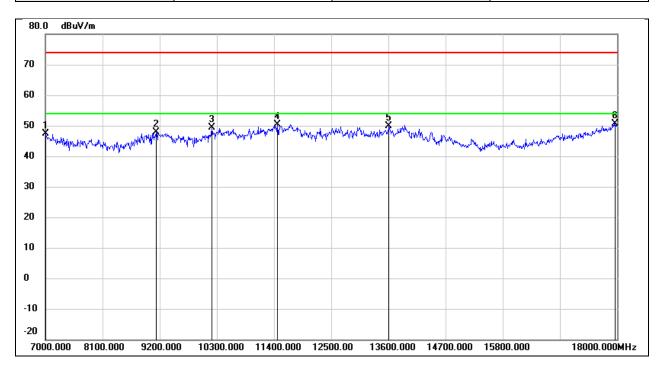


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9255.000	37.33	10.51	47.84	74.00	-26.16	peak
2	10443.000	35.20	12.70	47.90	74.00	-26.10	peak
3	11697.000	32.43	17.13	49.56	74.00	-24.44	peak
4	12621.000	30.72	17.98	48.70	74.00	-25.30	peak
5	13930.000	26.88	21.71	48.59	74.00	-25.41	peak
6	17956.000	23.50	25.82	49.32	74.00	-24.68	peak



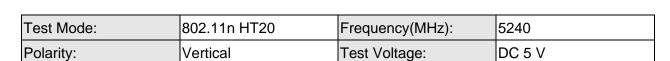


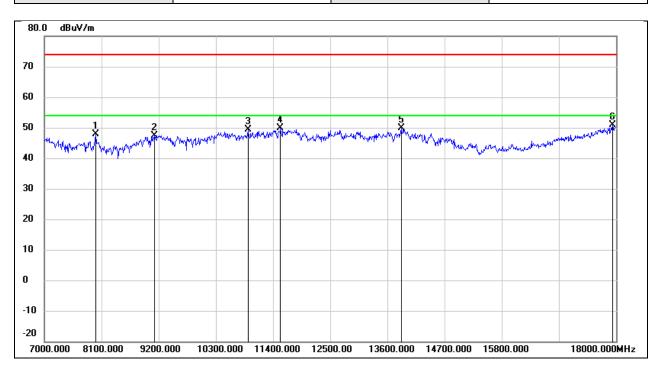
Test Mode:	802.11n HT20	Frequency(MHz):	5240
Polarity:	Horizontal	Test Voltage:	DC 5 V



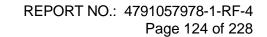
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7011.000	40.31	7.04	47.35	74.00	-26.65	peak
2	9134.000	37.41	10.41	47.82	74.00	-26.18	peak
3	10201.000	37.23	12.19	49.42	74.00	-24.58	peak
4	11466.000	33.77	16.63	50.40	74.00	-23.60	peak
5	13611.000	28.99	20.92	49.91	74.00	-24.09	peak
6	17967.000	24.65	25.89	50.54	74.00	-23.46	peak





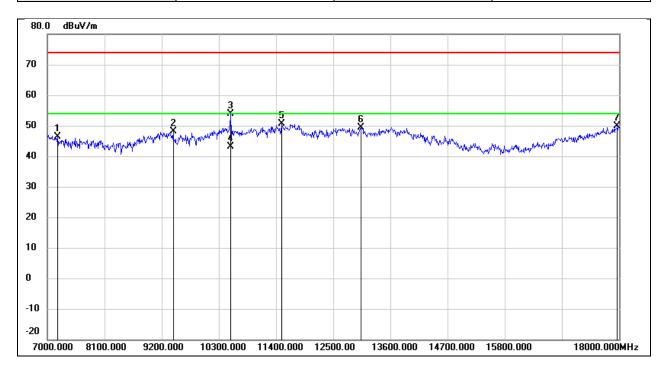


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7990.000	41.48	6.43	47.91	74.00	-26.09	peak
2	9123.000	37.08	10.42	47.50	74.00	-26.50	peak
3	10916.000	34.95	14.39	49.34	74.00	-24.66	peak
4	11543.000	33.07	16.84	49.91	74.00	-24.09	peak
5	13864.000	28.26	21.53	49.79	74.00	-24.21	peak
6	17934.000	25.33	25.67	51.00	74.00	-23.00	peak

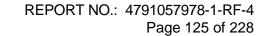




Test Mode:	802.11n HT20	Frequency(MHz):	5260
Polarity:	Horizontal	Test Voltage:	DC 5 V

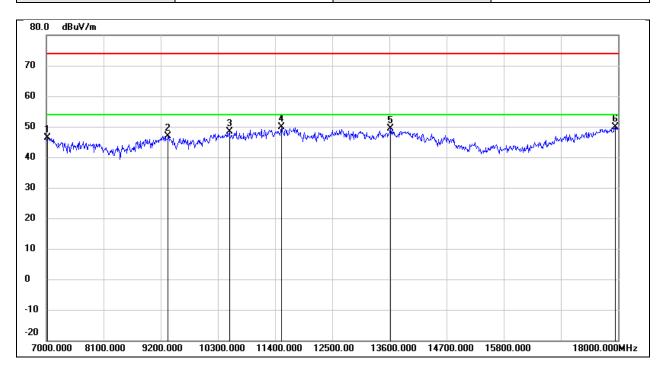


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7198.000	39.36	6.98	46.34	74.00	-27.66	peak
2	9420.000	37.59	10.60	48.19	74.00	-25.81	peak
3	10531.000	40.98	12.94	53.92	74.00	-20.08	peak
4	10531.000	30.27	12.94	43.21	54.00	-10.79	AVG
5	11510.000	33.92	16.79	50.71	74.00	-23.29	peak
6	13039.000	30.80	18.62	49.42	74.00	-24.58	peak
7	17967.000	23.88	25.89	49.77	74.00	-24.23	peak





Test Mode: 802.11n HT20 Frequency(MHz): 5260
Polarity: Vertical Test Voltage: DC 5 V

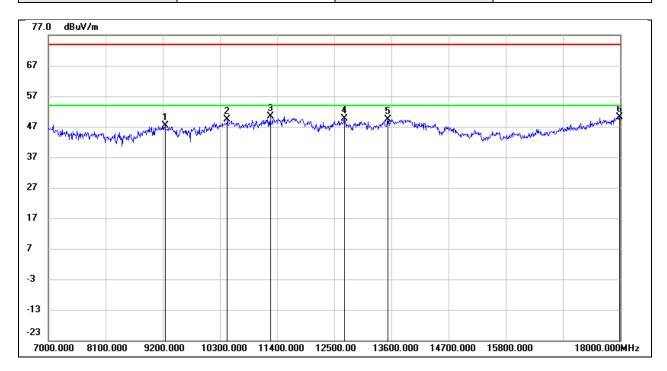


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7022.000	39.28	7.05	46.33	74.00	-27.67	peak
2	9343.000	36.35	10.55	46.90	74.00	-27.10	peak
3	10520.000	35.39	12.90	48.29	74.00	-25.71	peak
4	11521.000	32.96	16.82	49.78	74.00	-24.22	peak
5	13622.000	28.36	20.95	49.31	74.00	-24.69	peak
6	17945.000	24.15	25.75	49.90	74.00	-24.10	peak

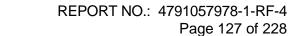


Test Mode: 802.11n HT20 Frequency(MHz): 5280

Polarity: Horizontal Test Voltage: DC 5 V

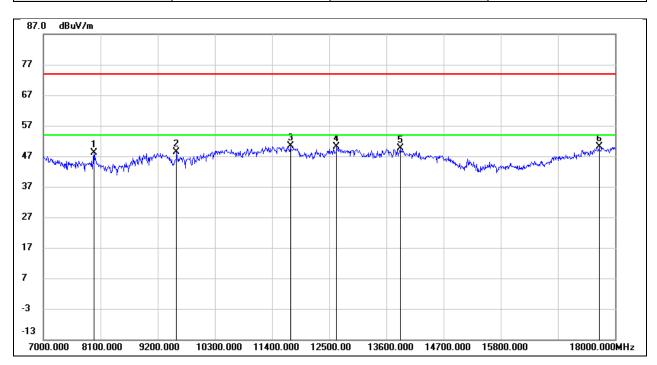


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9244.000	36.98	10.49	47.47	74.00	-26.53	peak
2	10443.000	36.61	12.70	49.31	74.00	-24.69	peak
3	11268.000	34.46	15.83	50.29	74.00	-23.71	peak
4	12698.000	31.56	18.08	49.64	74.00	-24.36	peak
5	13534.000	28.67	20.73	49.40	74.00	-24.60	peak
6	17989.000	24.10	26.04	50.14	74.00	-23.86	peak

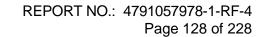




Test Mode:	802.11n HT20	Frequency(MHz):	5280
Polarity:	Vertical	Test Voltage:	DC 5 V

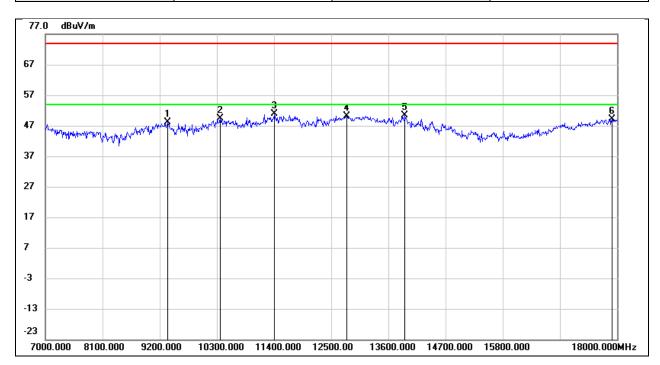


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7968.000	41.74	6.45	48.19	74.00	-25.81	peak
2	9563.000	37.59	10.79	48.38	74.00	-25.62	peak
3	11752.000	33.08	17.24	50.32	74.00	-23.68	peak
4	12643.000	32.03	18.01	50.04	74.00	-23.96	peak
5	13864.000	28.00	21.53	49.53	74.00	-24.47	peak
6	17692.000	26.23	24.01	50.24	74.00	-23.76	peak





Test Mode:	802.11n HT20	Frequency(MHz):	5320
Polarity:	Horizontal	Test Voltage:	DC 5 V

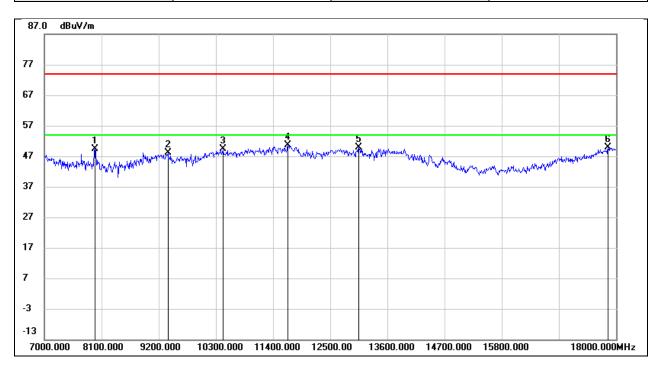


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9354.000	37.63	10.56	48.19	74.00	-25.81	peak
2	10366.000	36.96	12.54	49.50	74.00	-24.50	peak
3	11411.000	34.44	16.41	50.85	74.00	-23.15	peak
4	12797.000	31.91	18.20	50.11	74.00	-23.89	peak
5	13919.000	28.60	21.68	50.28	74.00	-23.72	peak
6	17901.000	23.75	25.45	49.20	74.00	-24.80	peak

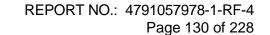




Test Mode:	802.11n HT20	Frequency(MHz):	5320
Polarity:	Vertical	Test Voltage:	DC 5 V



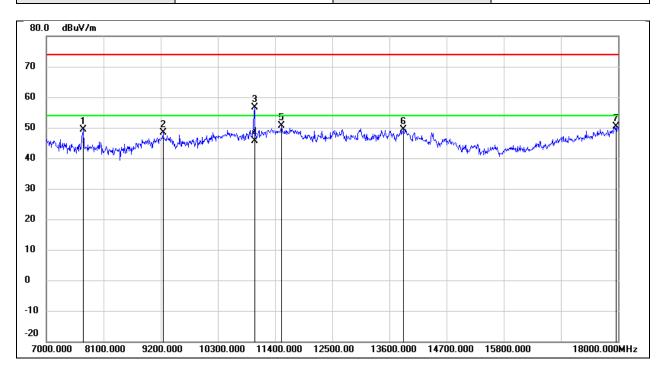
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7968.000	43.01	6.45	49.46	74.00	-24.54	peak
2	9376.000	37.50	10.58	48.08	74.00	-25.92	peak
3	10432.000	36.66	12.67	49.33	74.00	-24.67	peak
4	11686.000	33.58	17.12	50.70	74.00	-23.30	peak
5	13050.000	31.16	18.66	49.82	74.00	-24.18	peak
6	17846.000	24.91	25.08	49.99	74.00	-24.01	peak





Test Mode: 802.11n HT20 Frequency(MHz): 5500

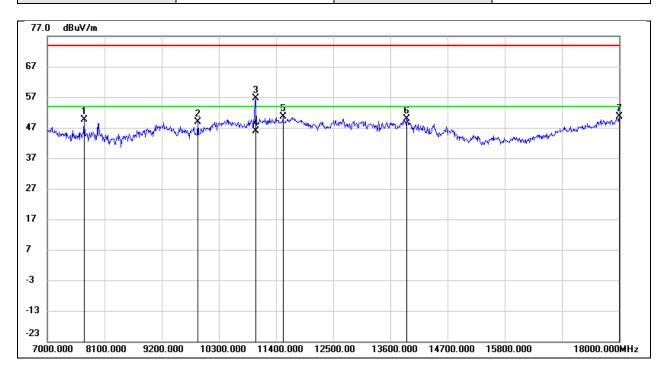
Polarity: Horizontal Test Voltage: DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7715.000	42.70	6.68	49.38	74.00	-24.62	peak
2	9244.000	37.97	10.49	48.46	74.00	-25.54	peak
3	11004.000	41.85	14.74	56.59	74.00	-17.41	peak
4	11004.000	30.86	14.74	45.60	54.00	-8.40	AVG
5	11521.000	33.78	16.82	50.60	74.00	-23.40	peak
6	13864.000	27.94	21.53	49.47	74.00	-24.53	peak
7	17956.000	24.68	25.82	50.50	74.00	-23.50	peak

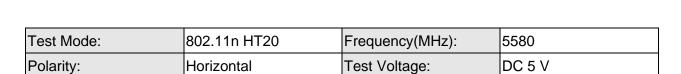


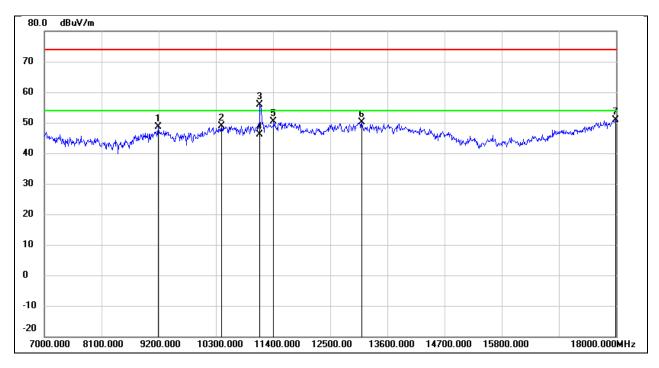
Test Mode:	802.11n HT20	Frequency(MHz):	5500
Polarity:	Vertical	Test Voltage:	DC 5 V



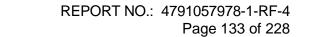
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7704.000	43.06	6.69	49.75	74.00	-24.25	peak
2	9893.000	37.27	11.52	48.79	74.00	-25.21	peak
3	11004.000	41.80	14.74	56.54	74.00	-17.46	peak
4	11004.000	31.04	14.74	45.78	54.00	-8.22	AVG
5	11532.000	33.90	16.83	50.73	74.00	-23.27	peak
6	13919.000	28.26	21.68	49.94	74.00	-24.06	peak
7	18000.000	24.52	26.12	50.64	74.00	-23.36	peak







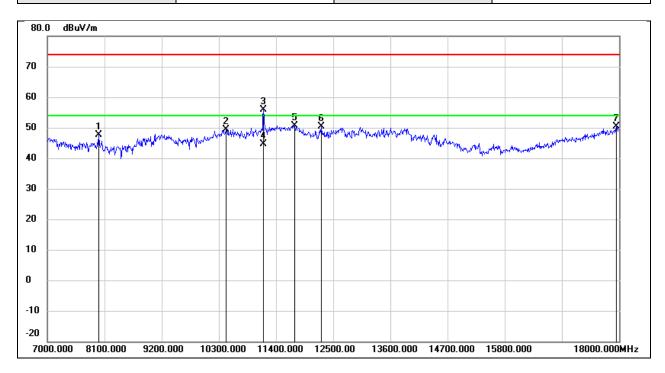
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9189.000	38.25	10.46	48.71	74.00	-25.29	peak
2	10410.000	36.22	12.62	48.84	74.00	-25.16	peak
3	11147.000	40.58	15.32	55.90	74.00	-18.10	peak
4	11147.000	30.92	15.32	46.24	54.00	-7.76	AVG
5	11411.000	33.87	16.41	50.28	74.00	-23.72	peak
6	13105.000	31.24	18.91	50.15	74.00	-23.85	peak
7	17989.000	24.91	26.04	50.95	74.00	-23.05	peak



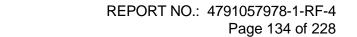


Test Mode: 802.11n HT20 Frequency(MHz): 5580

Polarity: Vertical Test Voltage: DC 5 V

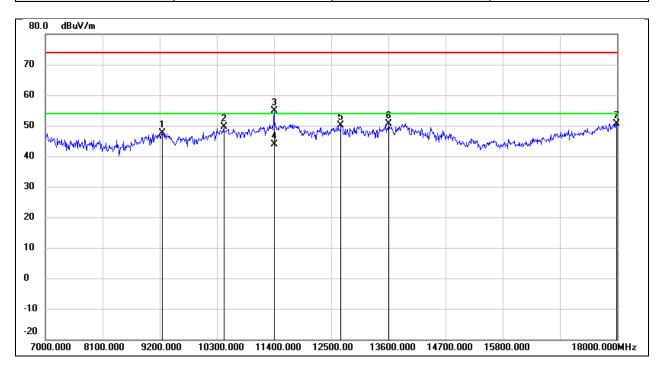


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7990.000	41.28	6.43	47.71	74.00	-26.29	peak
2	10443.000	36.68	12.70	49.38	74.00	-24.62	peak
3	11158.000	40.40	15.37	55.77	74.00	-18.23	peak
4	11158.000	29.20	15.37	44.57	54.00	-9.43	AVG
5	11763.000	33.33	17.26	50.59	74.00	-23.41	peak
6	12269.000	32.60	17.77	50.37	74.00	-23.63	peak
7	17945.000	24.75	25.75	50.50	74.00	-23.50	peak

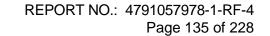




Test Mode:	802.11n HT20	Frequency(MHz):	5700
Polarity:	Horizontal	Test Voltage:	DC 5 V



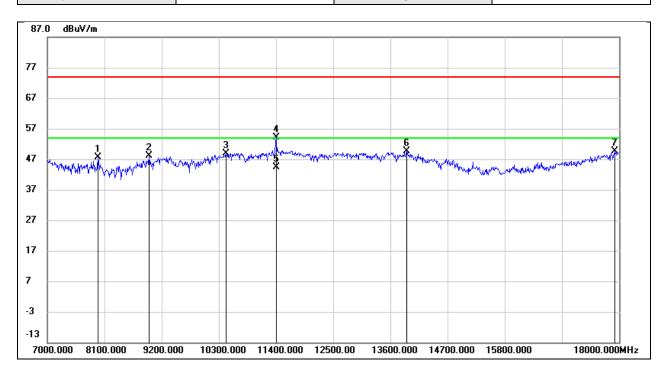
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9255.000	37.06	10.51	47.57	74.00	-26.43	peak
2	10432.000	36.86	12.67	49.53	74.00	-24.47	peak
3	11400.000	38.51	16.36	54.87	74.00	-19.13	peak
4	11400.000	27.51	16.36	43.87	54.00	-10.13	AVG
5	12687.000	32.09	18.05	50.14	74.00	-23.86	peak
6	13611.000	29.68	20.92	50.60	74.00	-23.40	peak
7	17989.000	24.71	26.04	50.75	74.00	-23.25	peak



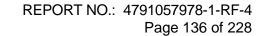


Test Mode: 802.11n HT20 Frequency(MHz): 5700

Polarity: Vertical Test Voltage: DC 5 V



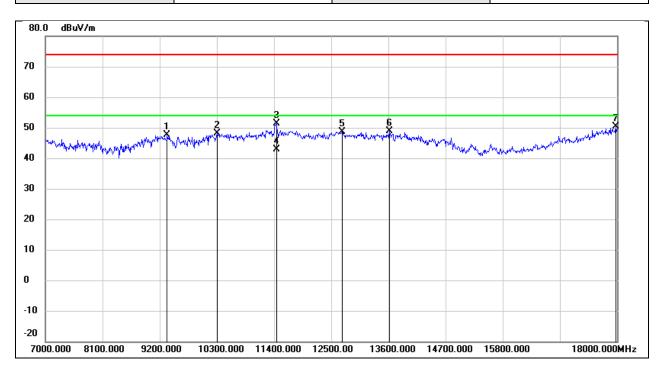
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7968.000	41.20	6.45	47.65	74.00	-26.35	peak
2	8958.000	38.01	10.05	48.06	74.00	-25.94	peak
3	10443.000	36.10	12.70	48.80	74.00	-25.20	peak
4	11400.000	37.65	16.36	54.01	74.00	-19.99	peak
5	11400.000	27.92	16.36	44.28	54.00	-9.72	AVG
6	13908.000	27.87	21.66	49.53	74.00	-24.47	peak
7	17923.000	23.95	25.60	49.55	74.00	-24.45	peak



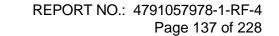


Test Mode: 802.11n HT20 Frequency(MHz): 5720

Polarity: Horizontal Test Voltage: DC 5 V



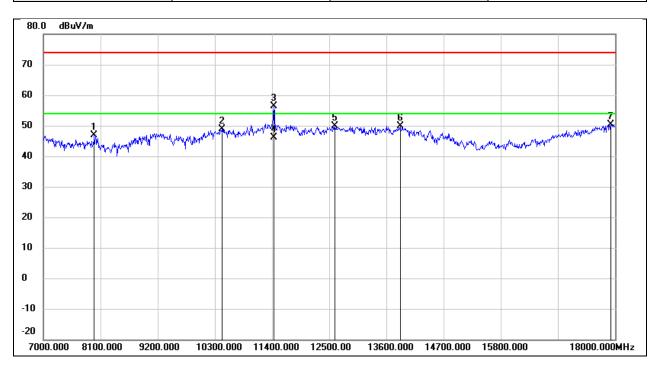
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9343.000	37.01	10.55	47.56	74.00	-26.44	peak
2	10300.000	35.79	12.40	48.19	74.00	-25.81	peak
3	11444.000	34.92	16.53	51.45	74.00	-22.55	peak
4	11444.000	26.30	16.53	42.83	54.00	-11.17	AVG
5	12709.000	30.58	18.09	48.67	74.00	-25.33	peak
6	13622.000	27.94	20.95	48.89	74.00	-25.11	peak
7	17978.000	24.40	25.97	50.37	74.00	-23.63	peak





Test Mode: 802.11n HT20 Frequency(MHz): 5720

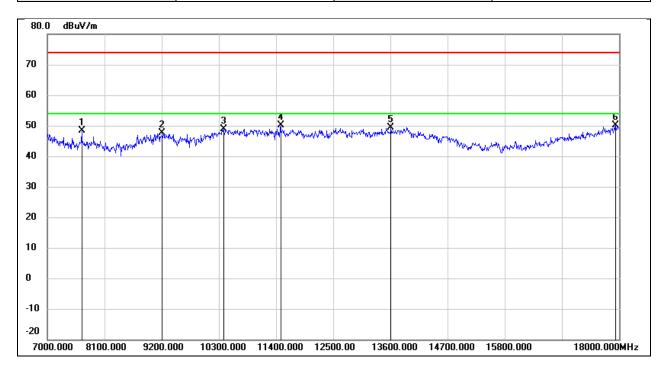
Polarity: Vertical Test Voltage: DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7979.000	40.55	6.45	47.00	74.00	-27.00	peak
2	10432.000	36.27	12.67	48.94	74.00	-25.06	peak
3	11433.000	39.76	16.50	56.26	74.00	-17.74	peak
4	11433.000	29.69	16.50	46.19	54.00	-7.81	AVG
5	12610.000	31.99	17.97	49.96	74.00	-24.04	peak
6	13864.000	28.25	21.53	49.78	74.00	-24.22	peak
7	17912.000	24.96	25.52	50.48	74.00	-23.52	peak

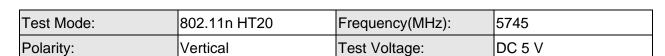


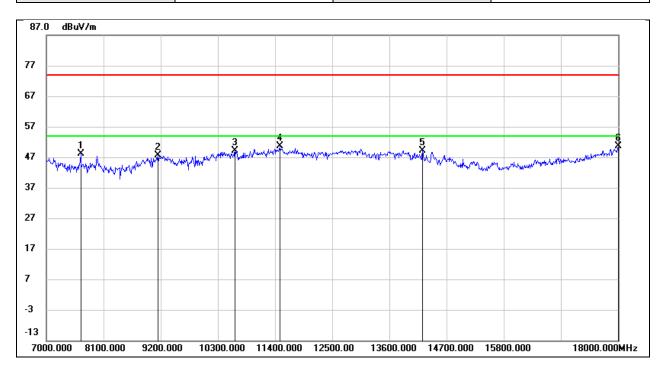
Test Mode:	802.11n HT20	Frequency(MHz):	5745
Polarity:	Horizontal	Test Voltage:	DC 5 V



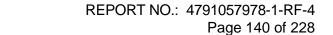
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7660.000	41.62	6.73	48.35	74.00	-25.65	peak
2	9211.000	37.11	10.47	47.58	74.00	-26.42	peak
3	10388.000	36.40	12.59	48.99	74.00	-25.01	peak
4	11488.000	33.42	16.72	50.14	74.00	-23.86	peak
5	13611.000	28.57	20.92	49.49	74.00	-24.51	peak
6	17934.000	24.44	25.67	50.11	74.00	-23.89	peak







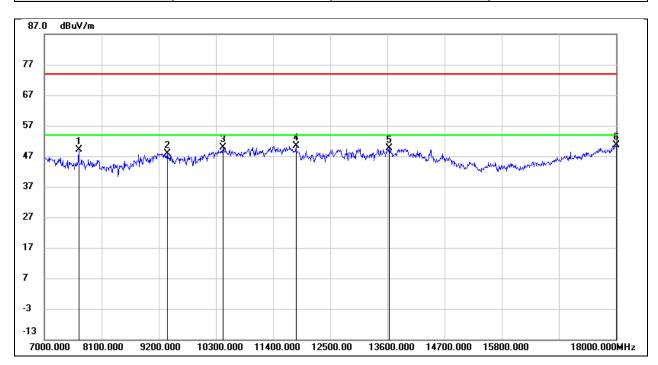
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7660.000	41.43	6.73	48.16	74.00	-25.84	peak
2	9145.000	37.20	10.43	47.63	74.00	-26.37	peak
3	10630.000	35.85	13.31	49.16	74.00	-24.84	peak
4	11488.000	34.02	16.72	50.74	74.00	-23.26	peak
5	14238.000	28.36	20.88	49.24	74.00	-24.76	peak
6	18000.000	24.56	26.12	50.68	74.00	-23.32	peak





Test Mode: 802.11n HT20 Frequency(MHz): 5785

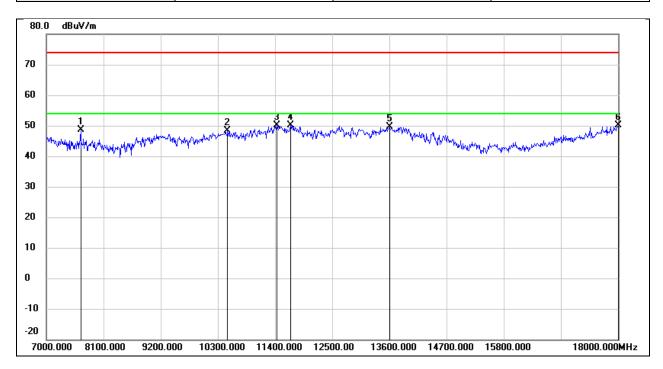
Polarity: Horizontal Test Voltage: DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7660.000	42.31	6.73	49.04	74.00	-24.96	peak
2	9365.000	37.24	10.57	47.81	74.00	-26.19	peak
3	10432.000	37.22	12.67	49.89	74.00	-24.11	peak
4	11840.000	32.93	17.40	50.33	74.00	-23.67	peak
5	13633.000	28.68	20.97	49.65	74.00	-24.35	peak
6	18000.000	24.47	26.12	50.59	74.00	-23.41	peak



Test Mode:	802.11n HT20	Frequency(MHz):	5785
Polarity:	Vertical	Test Voltage:	DC 5 V

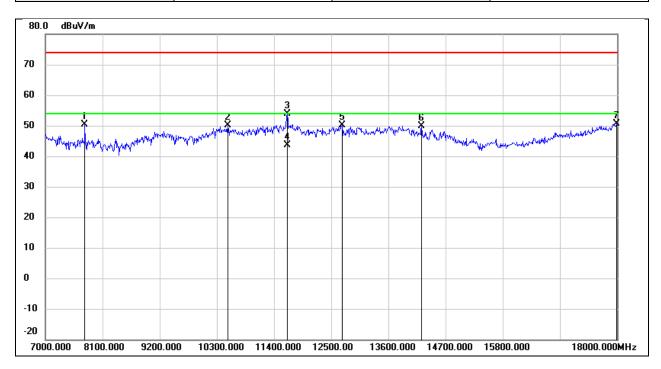


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7660.000	41.90	6.73	48.63	74.00	-25.37	peak
2	10487.000	35.49	12.79	48.28	74.00	-25.72	peak
3	11433.000	33.56	16.50	50.06	74.00	-23.94	peak
4	11697.000	33.06	17.13	50.19	74.00	-23.81	peak
5	13600.000	28.81	20.89	49.70	74.00	-24.30	peak
6	18000.000	24.03	26.12	50.15	74.00	-23.85	peak

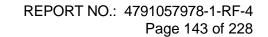




Test Mode:	802.11n HT20	Frequency(MHz):	5825
Polarity:	Horizontal	Test Voltage:	DC 5 V



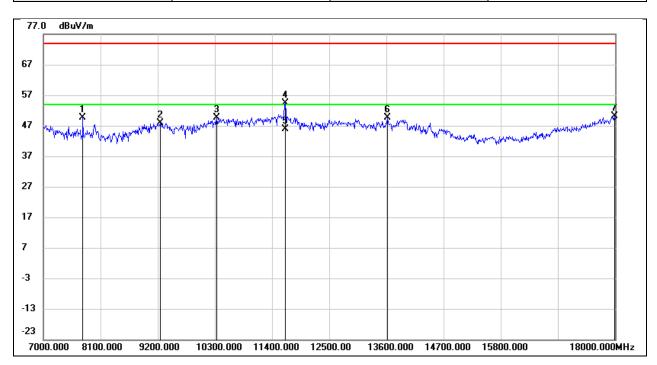
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7759.000	43.68	6.64	50.32	74.00	-23.68	peak
2	10509.000	37.37	12.85	50.22	74.00	-23.78	peak
3	11653.000	36.92	17.05	53.97	74.00	-20.03	peak
4	11653.000	26.46	17.05	43.51	54.00	-10.49	AVG
5	12709.000	32.04	18.09	50.13	74.00	-23.87	peak
6	14238.000	29.11	20.88	49.99	74.00	-24.01	peak
7	17989.000	24.55	26.04	50.59	74.00	-23.41	peak





Test Mode: 802.11n HT20 Frequency(MHz): 5825

Polarity: Vertical Test Voltage: DC 5 V



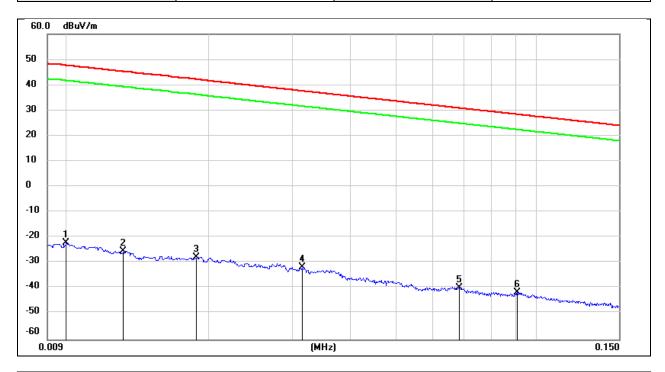
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	7759.000	42.91	6.64	49.55	74.00	-24.45	peak
2	9244.000	37.43	10.49	47.92	74.00	-26.08	peak
3	10333.000	37.04	12.47	49.51	74.00	-24.49	peak
4	11653.000	37.42	17.05	54.47	74.00	-19.53	peak
5	11653.000	28.93	17.05	45.98	54.00	-8.02	AVG
6	13622.000	28.66	20.95	49.61	74.00	-24.39	peak
7	17989.000	24.04	26.04	50.08	74.00	-23.92	peak

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8.4. SPURIOUS EMISSIONS(9 KHZ~30 MHZ)

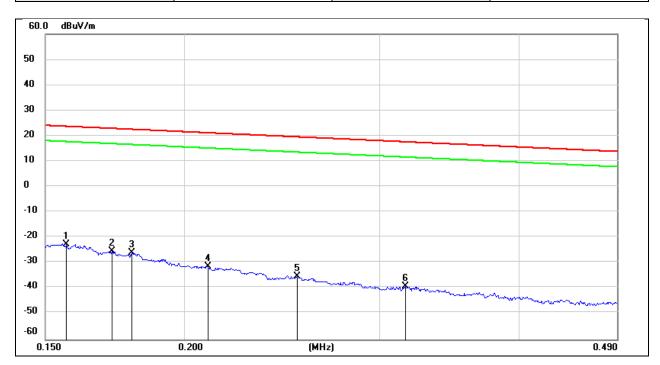
Test Mode:	802.11a20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.0100	79.22	-101.40	-22.18	47.60	-69.78	peak
2	0.0131	75.97	-101.38	-25.41	45.25	-70.66	peak
3	0.0188	73.64	-101.35	-27.71	42.12	-69.83	peak
4	0.0316	69.74	-101.40	-31.66	37.61	-69.27	peak
5	0.0685	61.83	-101.56	-39.73	30.89	-70.62	peak
6	0.0911	60.11	-101.72	-41.61	28.41	-70.02	peak



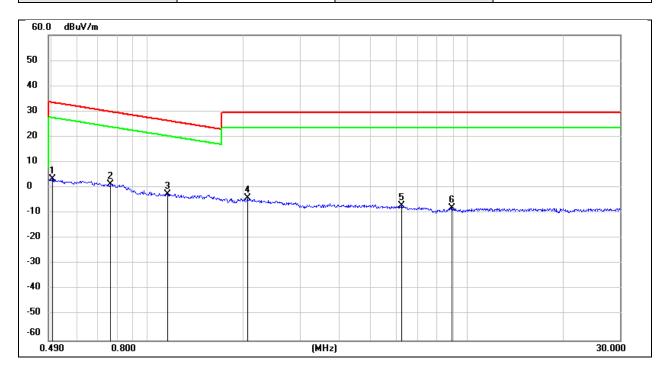
Test Mode:	802.11a20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.1567	78.95	-101.65	-22.70	23.70	-46.40	peak
2	0.1720	76.19	-101.67	-25.48	22.90	-48.38	peak
3	0.1794	75.77	-101.68	-25.91	22.53	-48.44	peak
4	0.2100	70.41	-101.73	-31.32	21.16	-52.48	peak
5	0.2530	66.64	-101.80	-35.16	19.54	-54.70	peak
6	0.3163	62.70	-101.87	-39.17	17.60	-56.77	peak



Test Mode:	802.11a20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V

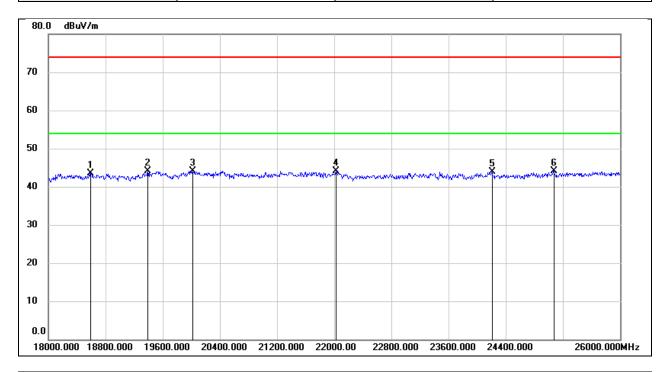


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	0.5039	65.43	-62.07	3.36	33.56	-30.20	peak
2	0.7641	63.42	-62.12	1.30	29.94	-28.64	peak
3	1.1531	59.75	-62.20	-2.45	26.37	-28.82	peak
4	2.0539	57.70	-61.81	-4.11	29.54	-33.65	peak
5	6.2445	54.13	-61.32	-7.19	29.54	-36.73	peak
6	8.9594	52.92	-60.94	-8.02	29.54	-37.56	peak

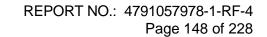
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8.5. SPURIOUS EMISSIONS(18 GHZ~26 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V

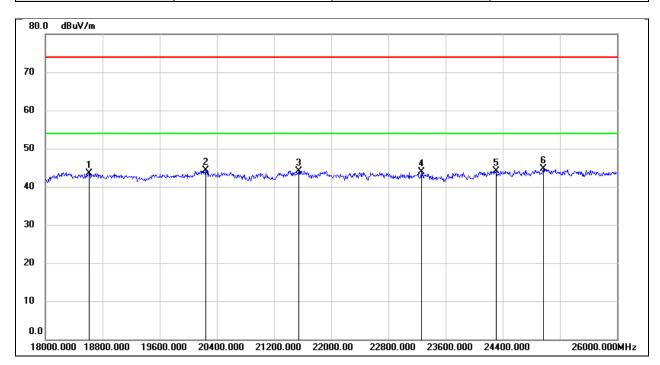


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18592.000	48.75	-5.31	43.44	74.00	-30.56	peak
2	19392.000	49.62	-5.57	44.05	74.00	-29.95	peak
3	20016.000	49.56	-5.47	44.09	74.00	-29.91	peak
4	22024.000	48.54	-4.46	44.08	74.00	-29.92	peak
5	24208.000	46.71	-2.81	43.90	74.00	-30.10	peak
6	25072.000	46.17	-1.97	44.20	74.00	-29.80	peak





Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Vertical	Test Voltage:	DC 5 V

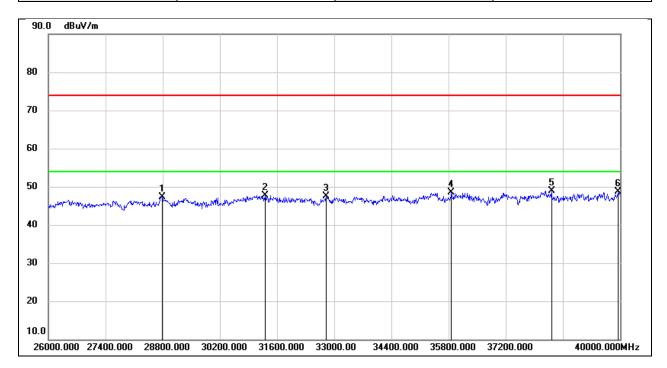


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	18616.000	48.89	-5.34	43.55	74.00	-30.45	peak
2	20240.000	49.82	-5.61	44.21	74.00	-29.79	peak
3	21544.000	48.76	-4.63	44.13	74.00	-29.87	peak
4	23264.000	47.26	-3.36	43.90	74.00	-30.10	peak
5	24304.000	46.89	-2.72	44.17	74.00	-29.83	peak
6	24968.000	46.76	-2.14	44.62	74.00	-29.38	peak

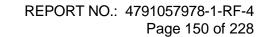
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8.6. SPURIOUS EMISSIONS(26 GHZ~40 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V



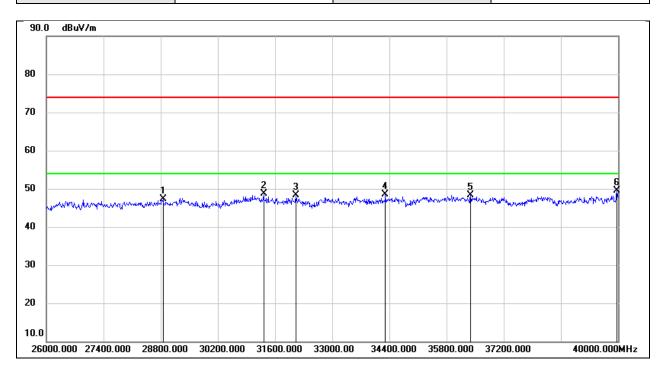
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	28786.000	47.99	-0.64	47.35	74.00	-26.65	peak
2	31306.000	48.59	-0.90	47.69	74.00	-26.31	peak
3	32804.000	48.64	-1.12	47.52	74.00	-26.48	peak
4	35870.000	44.83	3.75	48.58	74.00	-25.42	peak
5	38320.000	45.06	3.77	48.83	74.00	-25.17	peak
6	39958.000	43.58	5.12	48.70	74.00	-25.30	peak





 Test Mode:
 802.11a 20
 Frequency(MHz):
 5180

 Polarity:
 Vertical
 Test Voltage:
 DC 5 V

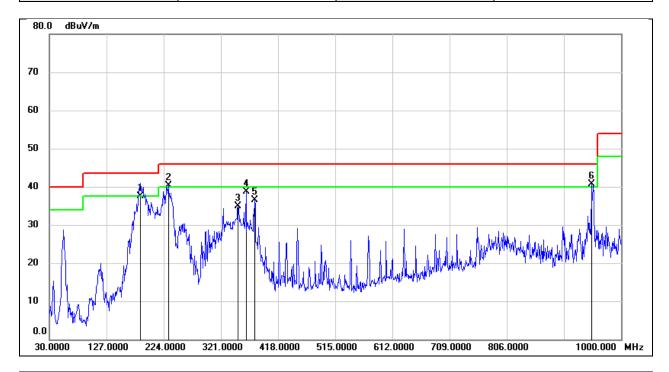


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	28856.000	48.11	-0.90	47.21	74.00	-26.79	peak
2	31320.000	49.61	-0.93	48.68	74.00	-25.32	peak
3	32104.000	49.99	-1.75	48.24	74.00	-25.76	peak
4	34302.000	47.45	1.10	48.55	74.00	-25.45	peak
5	36388.000	44.82	3.52	48.34	74.00	-25.66	peak
6	39972.000	44.45	5.13	49.58	74.00	-24.42	peak

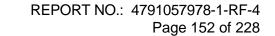
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8.7. SPURIOUS EMISSIONS(30 MHZ~1 GHZ)

Test Mode:	802.11a 20	Frequency(MHz):	5180
Polarity:	Horizontal	Test Voltage:	DC 5 V



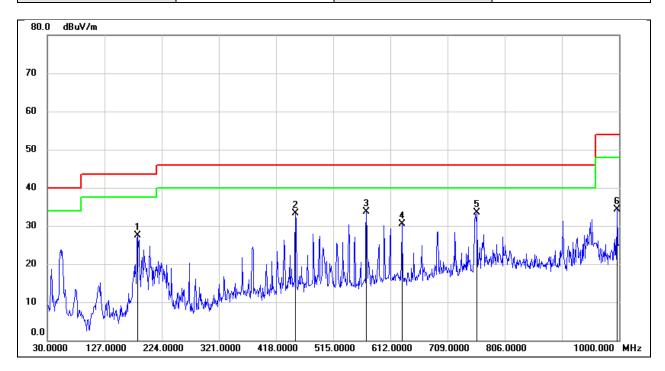
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	184.2300	53.55	-15.96	37.59	43.50	-5.91	QP
2	231.7600	57.71	-17.40	40.31	46.00	-5.69	QP
3	350.1000	47.31	-12.49	34.82	46.00	-11.18	QP
4	363.6800	51.10	-12.46	38.64	46.00	-7.36	QP
5	378.2300	49.00	-12.51	36.49	46.00	-9.51	QP
6	949.5600	45.25	-4.61	40.64	46.00	-5.36	QP





 Test Mode:
 802.11a 20
 Frequency(MHz):
 5180

 Polarity:
 Vertical
 Test Voltage:
 DC 5 V



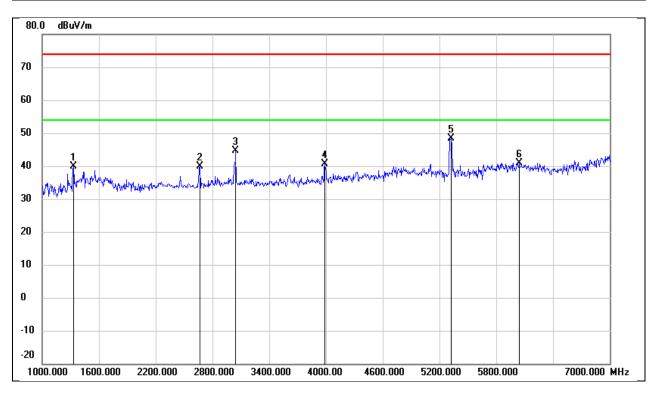
No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	183.2600	43.50	-15.93	27.57	43.50	-15.93	QP
2	450.9800	44.70	-11.36	33.34	46.00	-12.66	QP
3	571.2600	43.43	-9.71	33.72	46.00	-12.28	QP
4	631.4000	39.69	-9.15	30.54	46.00	-15.46	QP
5	758.4699	39.99	-6.54	33.45	46.00	-12.55	QP
6	997.0900	38.04	-3.70	34.34	54.00	-19.66	QP

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8.8. SIMULTANEOUSLY SPURIOUS EMISSIONS

(WORST-CASE CONFIGURATION)

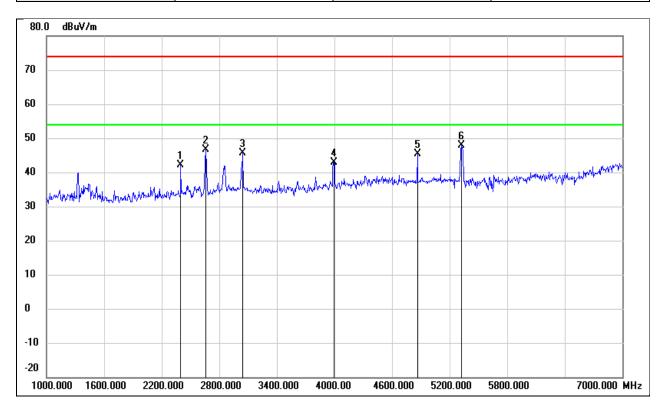
Test Mode:	802.11a 20 + BT	Frequency(MHz):	5180+2402
Polarity:	Horizontal	Test Voltage:	DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	1330.000	53.34	-13.50	39.84	74.00	-34.16	peak
2	2668.000	47.75	-7.98	39.77	74.00	-34.23	peak
3	3046.000	51.46	-6.88	44.58	74.00	-29.42	peak
4	3988.000	45.11	-4.51	40.60	74.00	-33.40	peak
5	5325.000	48.25	0.22	48.47	74.00	-25.53	peak
6	6040.000	38.97	1.99	40.96	74.00	-33.04	peak



Test Mode:	802.11a 20 + BT	Frequency(MHz):	5180+2402
Polarity:	Vertical	Test Voltage:	DC 5 V

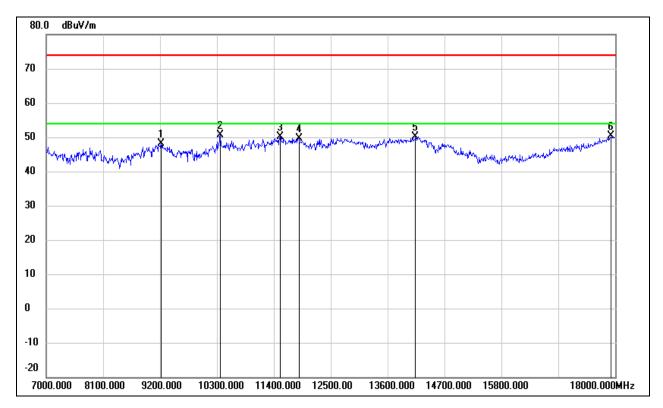


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	2398.000	51.04	-9.02	42.02	74.00	-31.98	peak
2	2656.000	54.71	-8.02	46.69	74.00	-27.31	peak
3	3046.000	52.43	-6.88	45.55	74.00	-28.45	peak
4	3994.000	47.42	-4.49	42.93	74.00	-31.07	peak
5	4864.000	46.17	-0.70	45.47	74.00	-28.53	peak
6	5325.000	47.77	0.22	47.99	74.00	-26.01	peak



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Test Mode:	802.11a 20 + BT	Frequency(MHz):	5180+2402
Polarity:	Horizontal	Test Voltage:	DC 5 V

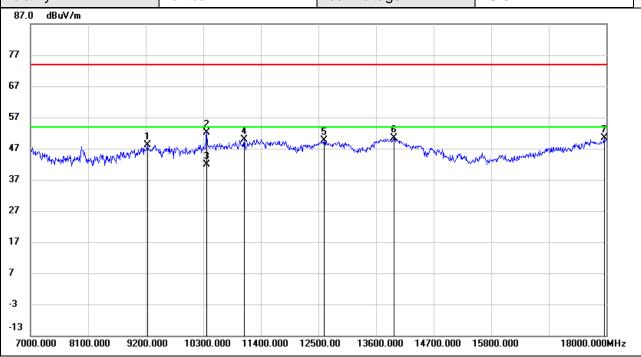


No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9222.000	37.59	10.48	48.07	74.00	-25.93	peak
2	10366.000	38.20	12.54	50.74	74.00	-23.26	peak
3	11521.000	33.38	16.82	50.20	74.00	-23.80	peak
4	11884.000	32.17	17.48	49.65	74.00	-24.35	peak
5	14139.000	28.91	21.30	50.21	74.00	-23.79	peak
6	17923.000	24.88	25.60	50.48	74.00	-23.52	peak



Test Mode: 802.11a 20 + BT Frequency(MHz): 5180+2402

Polarity: Vertical Test Voltage: DC 5 V



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	
1	9233.000	37.74	10.48	48.22	74.00	-25.78	peak
2	10366.000	39.51	12.54	52.05	74.00	-21.95	peak
3	10366.000	29.25	12.54	41.79	54.00	-12.21	AVG
4	11081.000	34.81	15.05	49.86	74.00	-24.14	peak
5	12610.000	31.77	17.97	49.74	74.00	-24.26	peak
6	13941.000	28.58	21.73	50.31	74.00	-23.69	peak
7	17956.000	24.49	25.82	50.31	74.00	-23.69	peak



9. AC POWER LINE CONDUCTED EMISSION

LIMITS

Please refer to CFR 47 FCC §15.207 (a)

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

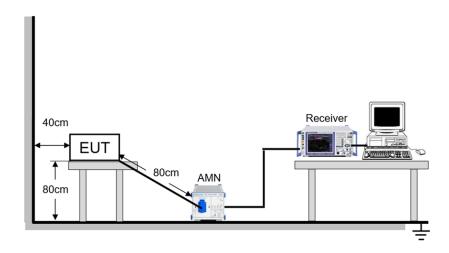
TEST PROCEDURE

Refer to ANSI C63.10-2013 clause 6.2.

The EUT is put on a table of non-conducting material that is 80 cm high. The vertical conducting wall of shielding is located 40 cm to the rear of the EUT. The power line of the EUT is connected to the AC mains through a Artificial Mains Network (A.M.N.). A EMI Measurement Receiver (R&S Test Receiver ESR3) is used to test the emissions from both sides of AC line. According to the requirements in Section 6.2 of ANSI C63.10-2013. Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-Peak and average detector mode. The bandwidth of EMI test receiver is set at 9 kHz.

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

TEST SETUP



TEST ENVIRONMENT

Temperature	21.3°C	Relative Humidity	54.3%
Atmosphere Pressure	101kPa	Test Voltage	AC 120 V, 60 Hz



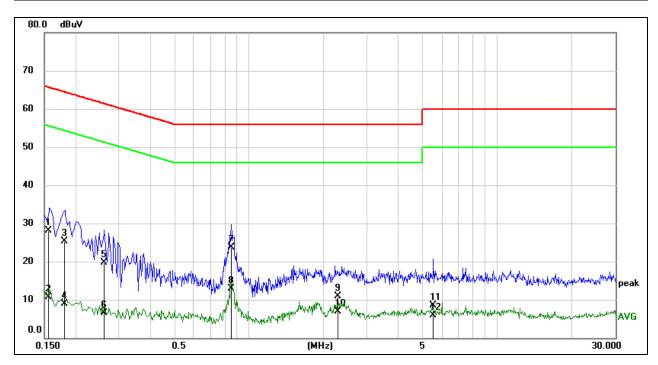
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TEST DATE / ENGINEER

Test Date	December 28, 2023	Test By	Mason Wang	l
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TEST RESULTS

Test Mode:	802.11a20	Frequency(MHz):	5180
Line:	Line		



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1551	18.47	9.59	28.06	65.72	-37.66	QP
2	0.1551	1.07	9.59	10.66	55.72	-45.06	AVG
3	0.1806	15.69	9.59	25.28	64.46	-39.18	QP
4	0.1806	-0.63	9.59	8.96	54.46	-45.50	AVG
5	0.2623	10.03	9.59	19.62	61.36	-41.74	QP
6	0.2623	-3.14	9.59	6.45	51.36	-44.91	AVG
7	0.8482	14.09	9.60	23.69	56.00	-32.31	QP
8	0.8482	3.40	9.60	13.00	46.00	-33.00	AVG
9	2.2961	1.23	9.64	10.87	56.00	-45.13	QP
10	2.2961	-2.64	9.64	7.00	46.00	-39.00	AVG
11	5.5652	-1.16	9.73	8.57	60.00	-51.43	QP
12	5.5652	-3.88	9.73	5.85	50.00	-44.15	AVG

Note:

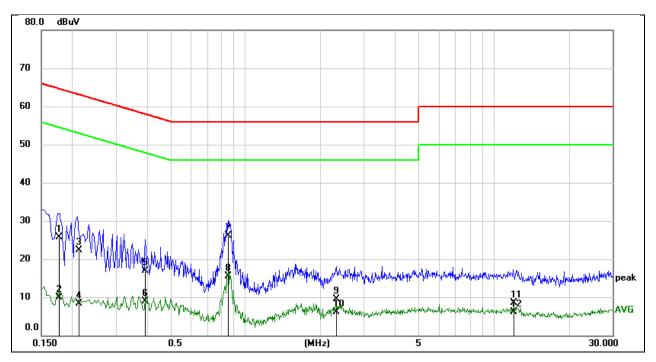
- 1. Result = Reading + Correct Factor.
- 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
- 4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.



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Test Mode:	802.11a20	Frequency(MHz):	5180
Line:	Neutral		



No.	Frequency	Reading	Correct	Result	Limit	Margin	Remark
	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	
1	0.1771	16.13	9.54	25.67	64.62	-38.95	QP
2	0.1771	0.37	9.54	9.91	54.62	-44.71	AVG
3	0.2135	12.70	9.59	22.29	63.07	-40.78	QP
4	0.2135	-1.19	9.59	8.40	53.07	-44.67	AVG
5	0.3948	7.35	9.53	16.88	57.96	-41.08	QP
6	0.3948	-0.67	9.53	8.86	47.96	-39.10	AVG
7	0.8532	16.55	9.50	26.05	56.00	-29.95	QP
8	0.8532	6.10	9.50	15.60	46.00	-30.40	AVG
9	2.3107	-0.17	9.63	9.46	56.00	-46.54	QP
10	2.3107	-3.52	9.63	6.11	46.00	-39.89	AVG
11	12.0043	-1.24	9.66	8.42	60.00	-51.58	QP
12	12.0043	-3.55	9.66	6.11	50.00	-43.89	AVG

Note:

- 1. Result = Reading + Correct Factor.
- 2. If QP Result complies with AV limit, AV Result is deemed to comply with AV limit.
- 3. Test setup: RBW: 200 Hz (9 kHz ~ 150 kHz), 9 kHz (150 kHz ~ 30 MHz).
- 4. Step size: 80 Hz (0.009 MHz ~ 0.15 MHz), 4 kHz (0.15 MHz ~ 30 MHz), Scan time: auto.

Note: All the modes have been tested, only the worst data was recorded in the report.



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10. ANTENNA REQUIREMENT

REQUIREMENT

Please refer to FCC part 15.203

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

Please refer to FCC part 15.407(a)

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, 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.

DESCRIPTION

Pass

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11. TEST DATA

11.1. APPENDIX A1: EMISSION BANDWIDTH 11.1.1. Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]	Verdict
	Ant1	5180	20.44	5169.52	5189.96	PASS
	Ant2	5180	20.60	5169.64	5190.24	PASS
	Ant1	5200	20.00	5190.12	5210.12	PASS
	Ant2	5200	21.16	5189.32	5210.48	PASS
	Ant1	5240	20.00	5229.84	5249.84	PASS
	Ant2	5240	21.28	5229.00	5250.28	PASS
	Ant1	5260	19.68	5249.88	5269.56	PASS
	Ant2	5260	19.96	5250.12	5270.08	PASS
	Ant1	5280	21.24	5268.52	5289.76	PASS
	Ant2	5280	21.72	5268.72	5290.44	PASS
	Ant1	5320	21.40	5308.72	5330.12	PASS
	Ant2	5320	20.84	5309.28	5330.12	PASS
	Ant1	5500	20.24	5489.52	5509.76	PASS
	Ant2	5500	21.96	5488.36	5510.32	PASS
	Ant1	5580	20.72	5569.08	5589.80	PASS
11A	Ant2	5580	21.52	5568.68	5590.20	PASS
	Ant1	5700	20.60	5689.12	5709.72	PASS
	Ant2	5700	20.84	5689.48	5710.32	PASS
	Ant1	5720	21.04	5709.08	5730.12	PASS
	Ant2	5720	20.96	5710.08	5731.04	PASS
	-	5720_UNII-2C	15.92		5731.04	PASS
	Ant1			5709.08		
	Ant2	5720_UNII-2C	14.92	5710.08	5725	PASS
	Ant1	5720_UNII-3	5.12	5725	5730.12	PASS
	Ant2	5720_UNII-3	6.04	5725	5731.04	PASS
	Ant1	5745	21.96	5733.16	5755.12	PASS
	Ant2	5745	20.84	5734.56	5755.40	PASS
	Ant1	5785	21.76	5773.24	5795.00	PASS
	Ant2	5785	21.40	5773.68	5795.08	PASS
	Ant1	5825	22.16	5813.36	5835.52	PASS
	Ant2	5825	21.32	5814.00	5835.32	PASS
	Ant1	5180	21.48	5168.72	5190.20	PASS
	Ant2	5180	21.52	5168.64	5190.16	PASS
	Ant1	5200	21.92	5188.88	5210.80	PASS
	Ant2	5200	21.88	5189.20	5211.08	PASS
	Ant1	5240	21.64	5228.64	5250.28	PASS
	Ant2	5240	21.16	5229.40	5250.56	PASS
	Ant1	5260	21.80	5249.04	5270.84	PASS
	Ant2	5260	21.56	5248.92	5270.48	PASS
	Ant1	5280	21.28	5269.08	5290.36	PASS
	Ant2	5280	21.92	5269.20	5291.12	PASS
	Ant1	5320	21.44	5308.84	5330.28	PASS
	Ant2	5320	21.00	5309.20	5330.20	PASS
11100000	Ant1	5500	21.60	5489.00	5510.60	PASS
11N20SISO	Ant2	5500	21.12	5489.36	5510.48	PASS
	Ant1	5580	20.92	5569.40	5590.32	PASS
	Ant2	5580	21.84	5568.92	5590.76	PASS
	Ant1	5700	22.76	5688.44	5711.20	PASS
	Ant2	5700	21.16	5689.44	5710.60	PASS
	Ant1	5720	21.24	5708.76	5730.00	PASS
	Ant2	5720	22.32	5708.64	5730.96	PASS
	Ant1	5720_UNII-2C	16.24	5708.76	5725	PASS
	Ant2	5720_UNII-2C	16.36	5708.64	5725	PASS
	Ant1	5720 UNII-3	5	5725	5730.00	PASS
	Ant2	5720 UNII-3	5.96	5725	5730.96	PASS
	Ant1	5745	21.00	5734.20	5755.20	PASS
	Ant2	5745	22.28	5733.32	5755.60	PASS
	/ WILE	0170		0.00.02	0,00.00	. 7.00



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Ant1	5785	21.68	5773.64	5795.32	PASS
Ant2	5785	22.40	5773.24	5795.64	PASS
Ant1	5825	22.64	5812.48	5835.12	PASS
Ant2	5825	21.64	5813.84	5835.48	PASS



11.1.2. Test Graphs

