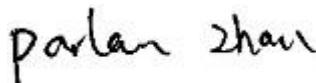


TEST REPORT

Application No.:	SHCR2201000300HS
FCC ID:	2AMH4SC20A
IC:	29364-SC20A
Applicant:	Motocaddy Ltd.
Address of Applicant:	Units 15 to 18, Stansted Distribution Centre Start Hill Great Hallingbury Hertfordshire CM22 7DG United Kingdom
Manufacturer:	Motocaddy Ltd.
Address of Manufacturer:	Units 15 to 18, Stansted Distribution Centre Start Hill Great Hallingbury Hertfordshire CM22 7DG United Kingdom
Equipment Under Test (EUT):	
EUT Name:	LTE Module
Model No.:	SC20-A
HVIN:	SC20-A (REV1)
Standard(s) :	47 CFR Part 15, Subpart E 15.407 RSS-247 Issue 2, February 2017 RSS-Gen Issue 5 Amendment 2 (February 2021)
Date of Receipt:	2022-11-09
Date of Test:	2022-11-10 to 2022-11-17
Date of Issue:	2022-12-21
Test Result:	Pass*

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



Parlam Zhan
Laboratory Manager



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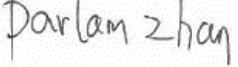
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Revision Record			
Version	Description	Date	Remark
00	Original	2022-12-21	/

Authorized for issue by:			
	 Wade Zhang		
	Wade Zhang/Project Engineer		
	 Parlam Zhan		
	Parlam Zhan/Reviewer		

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2 Test Summary

Radio Spectrum Technical Requirement				
Item	FCC Requirement	IC Requirement	Method	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.203	RSS-Gen Clause 6.8	N/A	Pass

N/A: Not applicable

Radio Spectrum Matter Part				
Item	FCC Requirement	IC Requirement	Method	Result
Radiated Emissions	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass
Radiated Emissions which fall in the restricted bands	47 CFR Part 15, Subpart C 15.209 & 15.407(b)	RSS-247 Section 3.3 & RSS-Gen Section 8.9	KDB 789033 D02 II G	Pass

Remark: A new optional BT&WIFI antenna added to the original, Radiated Spurious Emission tests were performed to verify RF compliance, other test data reference to original module report FR741007D&FR741007E.

BT&WIFI Antenna	New Antenna	Original Antenna
Antenna Type	FPC	Dipole
Gain (2.4GHz)	2.2dBi	3dBi
Gain (5GHz)	3.8dBi	4dBi

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4 General Information

4.1 Details of E.U.T.

Power supply:	DC 3.8V By test Board
Test Voltage:	DC 3.8V
Operation Frequency (20MHz):	U-NII-1: 5180-5240MHz; U-NII-2A: 5260-5320MHz; U-NII-2C: 5500-5700MHz; U-NII-3: 5745-5825MHz
Operation Frequency (40MHz):	U-NII-1: 5190-5230MHz; U-NII-2A: 5270-5310MHz; U-NII-2C: 5510-5670MHz; U-NII-3: 5755-5795MHz
Modulation Type:	802.11a: OFDM (64QAM, 16QAM, QPSK, BPSK); 802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)
Channel Spacing:	802.11a/n(HT20): 20MHz; 802.11n(HT40): 40MHz
DFS Function:	Slave without Radar detection
TPC Function:	Without TPC function
Antenna Type:	FPC Antenna
Antenna Gain:	3.8 dBi (Provided by manufacturer)
Date Rate:	802.11a:6/9/12/18/24/36/48/54Mbps 802.11n:MCS0-MCS7
S/N:	ESN 8901170327
Firmware Version:	SC20ASAR04A03H8G

Note: For frequencies falling between 5600-5650MHz will not be used in Canada.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
DC power supply	HP	HP6674A	-
Laptop	LENOVO	L460	-
Router	NETGEAR	RAX50	-
SecureCRT	VanDyke	V 6.2.0	-
Serial port adapter plate	-	Test Plate 3	-

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4.3 Power level setting using in test:

Test Mode	802.11a	802.11n(HT20)
Channel		
36	55	53
40	55	53
48	55	53
52	55	53
60	55	53
64	55	53
100	55	53
116	48	46
120	48	46
140	48	46
149	48	46
157	48	46
165	48	46

Test Mode	802.11n(HT40)
Channel	
38	55
46	55
54	55
62	55
102	48
110	48
118	48
134	48
151	48
159	48

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4.4 Measurement Uncertainty & Decision Rule

No.	Item	Measurement Uncertainty
1	Radio Frequency	8.4×10^{-8}
2	Timeout	2s
3	Duty cycle	0.4%
4	Occupied Bandwidth	3%
5	RF conducted power	0.6dB
6	RF power density	2.9dB
7	Conducted Spurious emissions	0.75dB
8	RF Radiated power	5.2dB (Below 1GHz)
		5.9dB (Above 1GHz)
9	Radiated Spurious emission test	4.2dB (Below 30MHz)
		4.5dB (30MHz-1GHz)
		5.1dB (1GHz-6GHz)
		5.4dB (6GHz-18GHz)
10	Temperature test	1°C
11	Humidity test	3%
12	Supply voltages	1.5%
13	Time	3%

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

4.5 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. E&E Lab

588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China

Tel: +86 21 6191 5666 Fax: +86 21 6191 5678

No tests were sub-contracted.

Note:

1. SGS is not responsible for wrong test results due to incorrect information (e.g. max. clock frequency, highest internal frequency, antenna gain, cable loss, etc) is provided by the applicant. (if applicable).

2. SGS is not responsible for the authenticity, integrity and the validity of the conclusion based on results of the data provided by applicant. (if applicable).

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4.6 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

- **A2LA (Certificate No. 6332.01)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. is accredited by the American Association for Laboratory Accreditation(A2LA).

- **FCC (Designation Number: CN1301)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been recognized as an accredited testing laboratory.

- **ISED (CAB Identifier: CN0020)**

SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. EMC Laboratory has been recognized by Innovation, Science and Economic Development Canada (ISED) as an accredited testing laboratory. Company Number: 8617A

- **VCCI (Member No.: 3061)**

The 3m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd. has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-13868, C-14336, T-12221, G-10830 respectively.

4.7 Deviation from Standards

None

4.8 Abnormalities from Standard Conditions

None

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5 Equipment List

RF Radiated Test					
EMI test Receiver	R&S	ESU40	SHEM051-1	2021-12-20	2022-12-19
Spectrum Analyzer	R&S	FSP-30	SHEM002-1	2021-12-20	2022-12-19
Communication Tester	R&S	CMW500	SHEM268-1	2022-07-25	2023-07-24
Loop Antenna (9kHz-30MHz)	Schwarzbeck	FMZB1519	SHEM135-1	2021-12-20	2022-12-19
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM048-1	2021-09-11	2023-09-10
Antenna (25MHz-2GHz)	Schwarzbeck	VULB9168	SHEM202-1	2021-05-07	2023-05-06
Horn Antenna (1-18GHz)	Schwarzbeck	HF906	SHEM009-1	2022/8/11	2024-08-10
Horn Antenna (1-18GHz)	Schwarzbeck	BBHA9120D	SHEM050-1	2021-09-18	2023-09-17
Horn Antenna (14-40GHz)	Schwarzbeck	BBHA 9170	SHEM049-1	2021-09-18	2023-09-17
Pre-Amplifier	HP	8447D	SHEM236-1	2022-08-02	2023-08-01
High-amplifier (14-40GHz)	Schwarzbeck	10001	SHEM049-2	2021-12-20	2022-12-19
Band Filter	LORCH	9BRX-875/X150	SHEM156-1	/	/
Band Filter	LORCH	13BRX-1950/X500	SHEM083-2	/	/
Band Filter	LORCH	5BRX-2400/X200	SHEM155-1	/	/
Band Filter	LORCH	5BRX-5500/X1000	SHEM157-2	/	/
High pass Filter	Wainwright	WHK3.0/18G	SHEM157-1	/	/
High pass Filter	Wainwright	WHKS1700	SHEM157-3	/	/
Semi/Fully Anechoic	ST	11*6*6M	SHEM078-2	2020-05-25	2023-05-24
RE test Cable	/	RE01, RE02, RE06	/	2022-01-07	2023-01-06
Test software	ESE	E3	Version: 6.111221a	/	/

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6 Radio Spectrum Technical Requirement

6.1 Antenna Requirement

6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is FPC antenna and no consideration of replacement. The best case gain of the directional gain is: 3.8dBi.

Antenna location: Refer to internal photo.

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7 Radio Spectrum Matter Test Results

7.1 Radiated Emissions (Below 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)
Test Method: KDB 789033 D02 II G

Limit:

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
30-88	100	3
88-216	150	3
216-960	200	3
960-1000	500	3

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 20.9 °C Humidity: 65.4 % RH Atmospheric Pressure: 1010 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse

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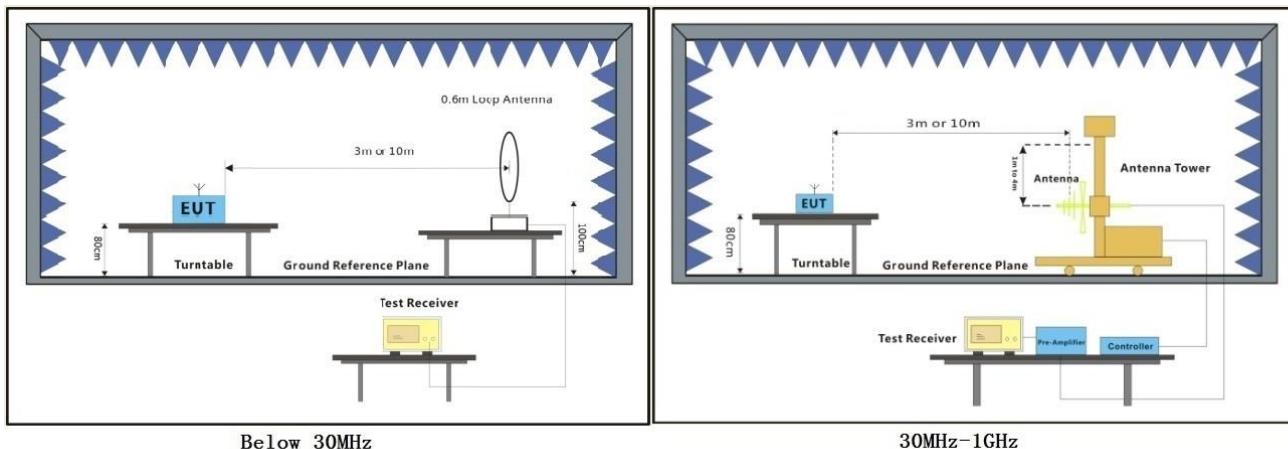
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		data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.1.3 Test Setup Diagram



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7.1.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using quasi-peak method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. The disturbance below 1GHz was very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.



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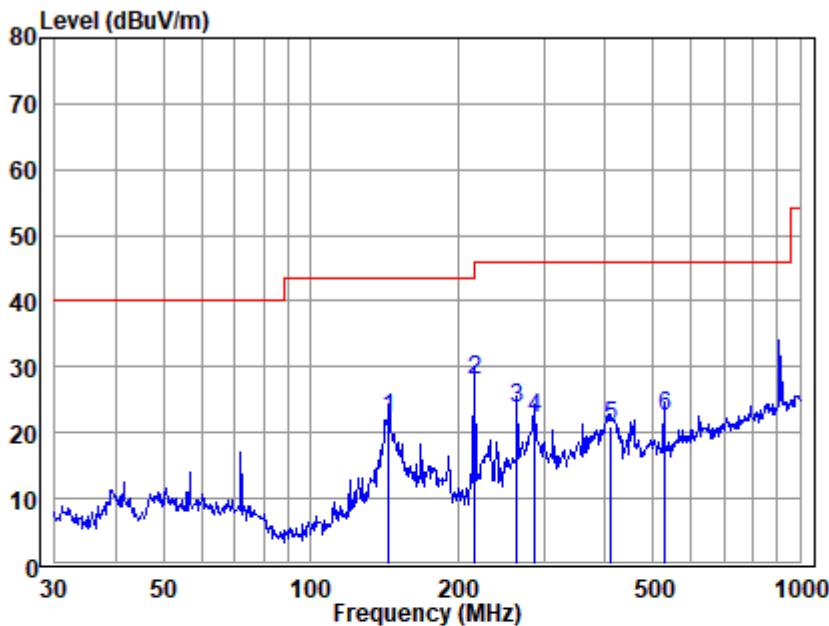
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Test Mode: 03; Polarity: Horizontal



Antenna Polarity :Horizontal
EUT/Project :0300HS
Test mode :03

Freq MHz	Read Level dBuV	Antenna Factor dB/m	Cable Loss dB	Preamp Factor dB	Emission Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Remark
1 144.25	38.14	13.14	2.88	31.94	22.22	43.50	-21.28	QP
2 216.61	47.07	9.92	3.65	32.55	28.09	46.00	-17.91	QP
3 264.09	39.97	12.27	4.13	32.73	23.64	46.00	-22.36	QP
4 287.92	37.36	13.30	4.27	32.73	22.20	46.00	-23.80	QP
5 408.84	33.46	15.76	5.07	33.41	20.88	46.00	-25.12	QP
6 527.12	32.42	18.24	5.80	33.80	22.66	46.00	-23.34	QP

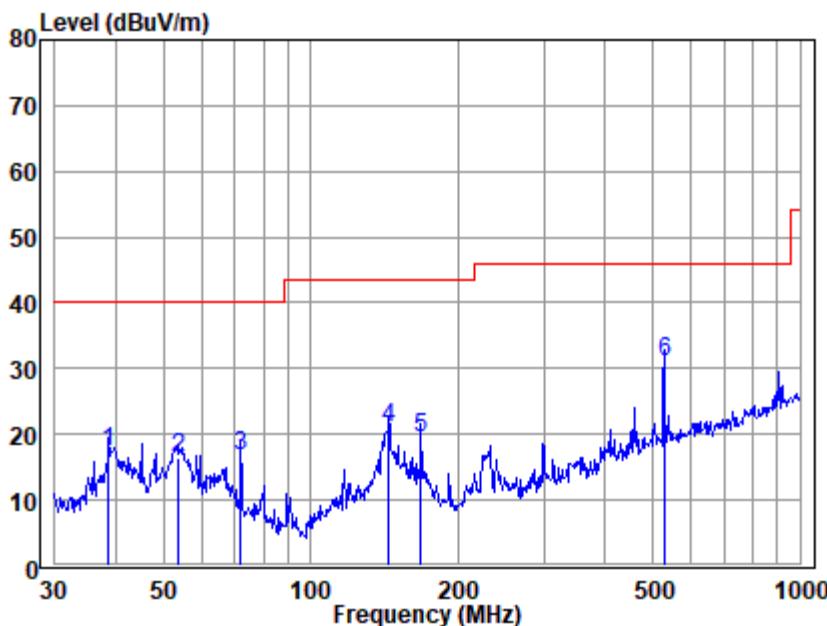
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 03; Polarity: Vertical



Antenna Polarity :Vertical
 EUT/Project :0300HS
 Test mode :03

Freq	Read	Antenna	Cable	Preamp	Emission	Limit	Over	Remark
	Level	Factor	Loss	Factor	Level	Line	Limit	
	MHz	dBuV	dB/m	dB	dBuV/m	dBuV/m	dB	
1	38.68	34.52	12.99	1.65	31.80	17.36	40.00	-22.64 QP
2	53.82	32.91	13.61	1.76	32.00	16.28	40.00	-23.72 QP
3	71.90	35.42	11.09	2.05	31.80	16.76	40.00	-23.24 QP
4	144.25	36.77	13.14	2.88	31.94	20.85	43.50	-22.65 QP
5	168.00	35.72	12.84	3.20	32.27	19.49	43.50	-24.01 QP
6	527.12	40.64	18.24	5.80	33.80	30.88	46.00	-15.12 QP

Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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7.2 Radiated Emissions (Above 1GHz)

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

Frequency(MHz)	Field strength(microvolts/meter)	Measurement distance(meters)
Above 1GHz	500	3

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

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

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

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

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 20.9 °C

Humidity: 65.5 % RH

Atmospheric Pressure: 1010 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all

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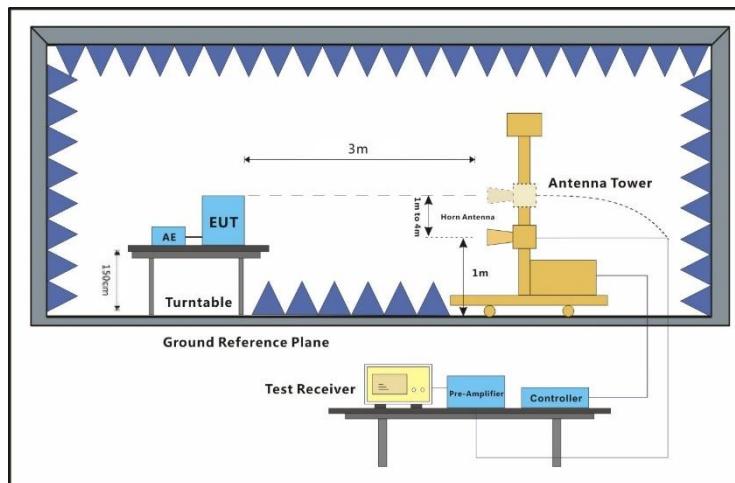


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		modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.2.3 Test Setup Diagram



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7.2.4 Measurement Procedure and Data

- a. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- f. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak or average method as specified and then reported in a data sheet.
- g. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- h. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- i. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 18GHz to 40GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
3. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
4. The disturbance above 18GHz were very low and the harmonics were the highest point could be found when testing, so only the above harmonics had been displayed.
5. For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the highest output power and the mode with the highest output power spectral density for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.

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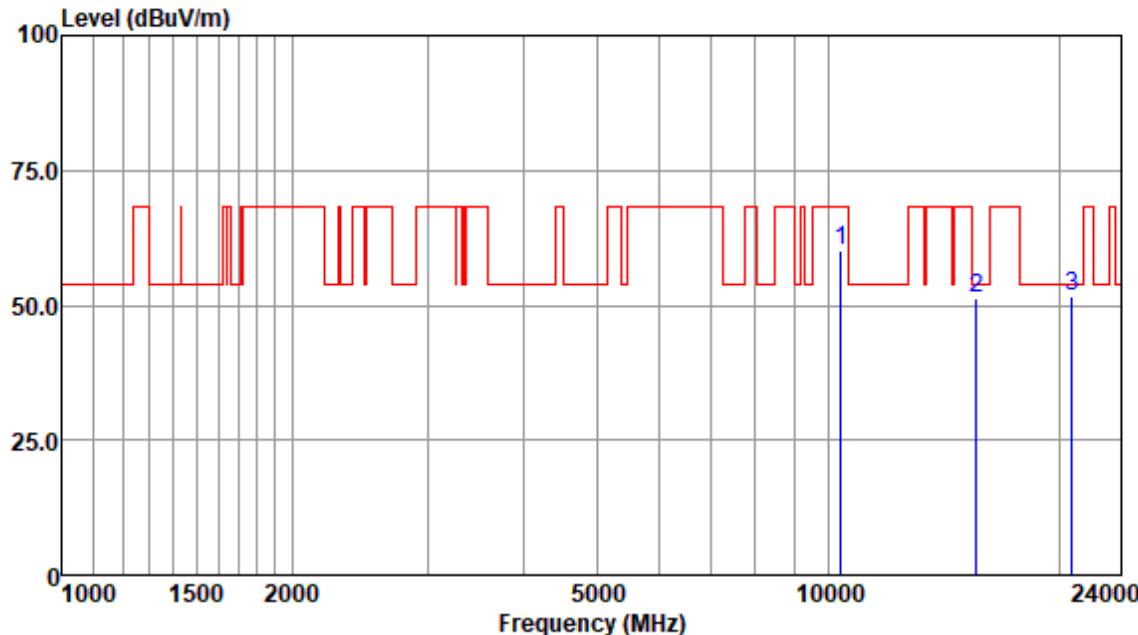


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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10360.00	53.05	34.93	6.53	34.40	60.11	68.20	-8.09	Peak
15540.00	40.62	37.43	9.99	36.78	51.26	54.00	-2.74	Peak
20720.00	32.38	43.41	11.90	36.05	51.64	54.00	-2.36	Peak

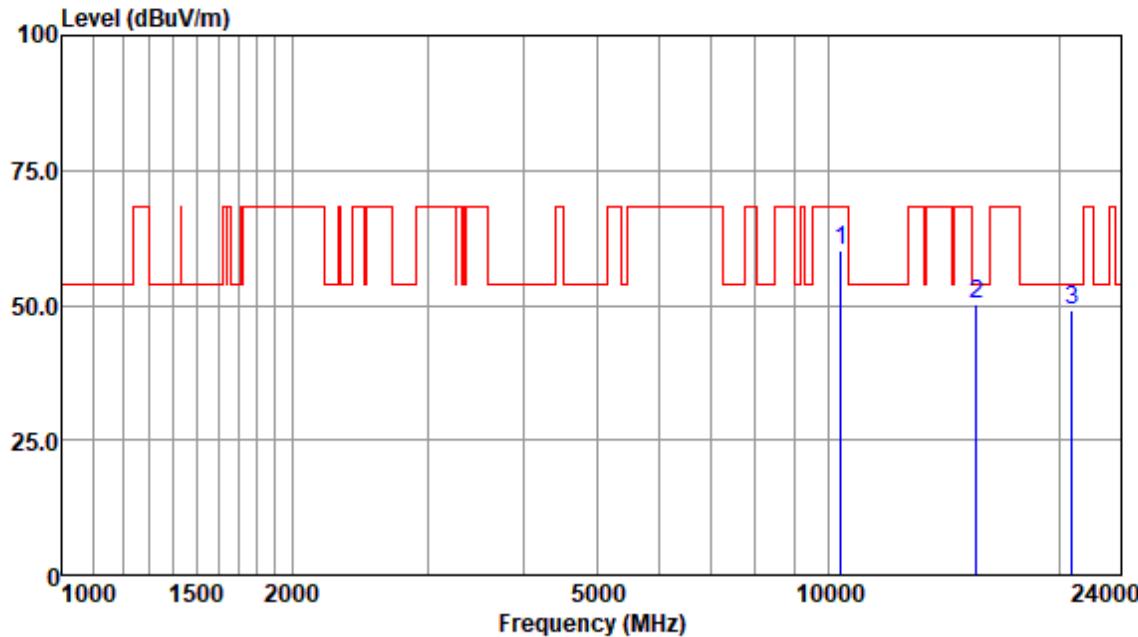
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10360.00	53.08	34.93	6.53	34.40	60.14	68.20	-8.06	Peak
15540.00	39.62	37.43	9.99	36.78	50.26	54.00	-3.74	Peak
20720.00	30.00	43.41	11.90	36.05	49.26	54.00	-4.74	Peak

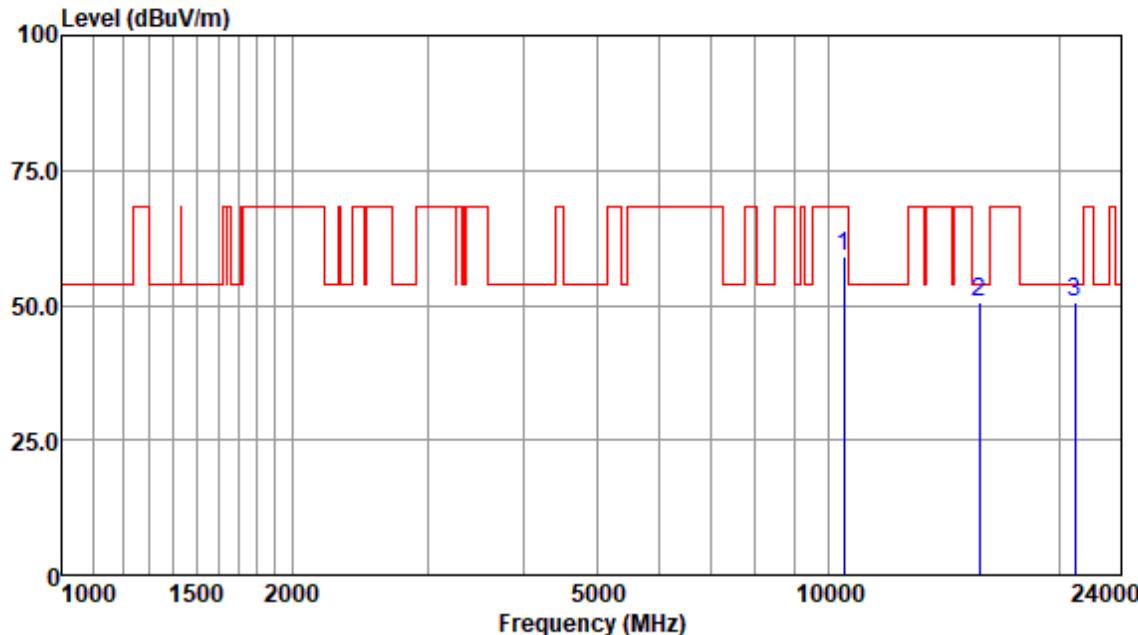
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
10440.00	52.17	34.92	6.56	34.46	59.19	68.20	-9.01	Peak
15660.00	39.45	37.51	10.11	36.63	50.44	54.00	-3.56	Peak
20880.00	31.24	43.48	11.97	36.05	50.64	54.00	-3.36	Peak

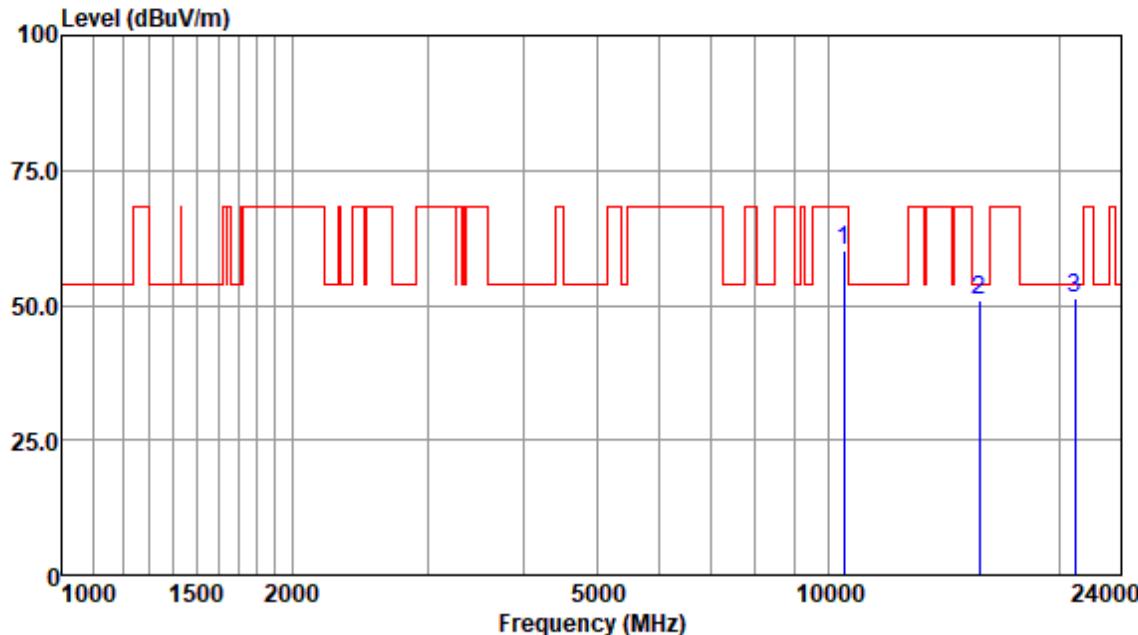
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10440.00	53.13	34.92	6.56	34.46	60.15	68.20	-8.05	Peak
15660.00	40.11	37.51	10.11	36.63	51.10	54.00	-2.90	Peak
20880.00	32.02	43.48	11.97	36.05	51.42	54.00	-2.58	Peak

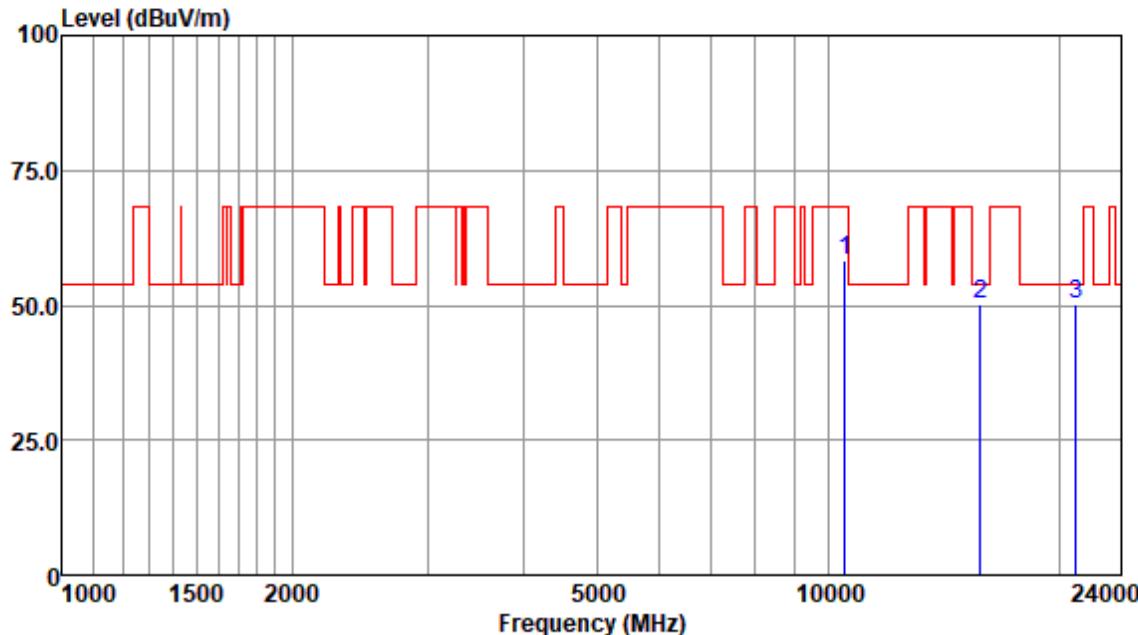
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10480.00	51.16	34.95	6.58	34.48	58.21	68.20	-9.99	Peak
15720.00	39.35	37.54	9.80	36.58	50.11	54.00	-3.89	Peak
20960.00	30.78	43.52	12.00	36.06	50.24	54.00	-3.76	Peak

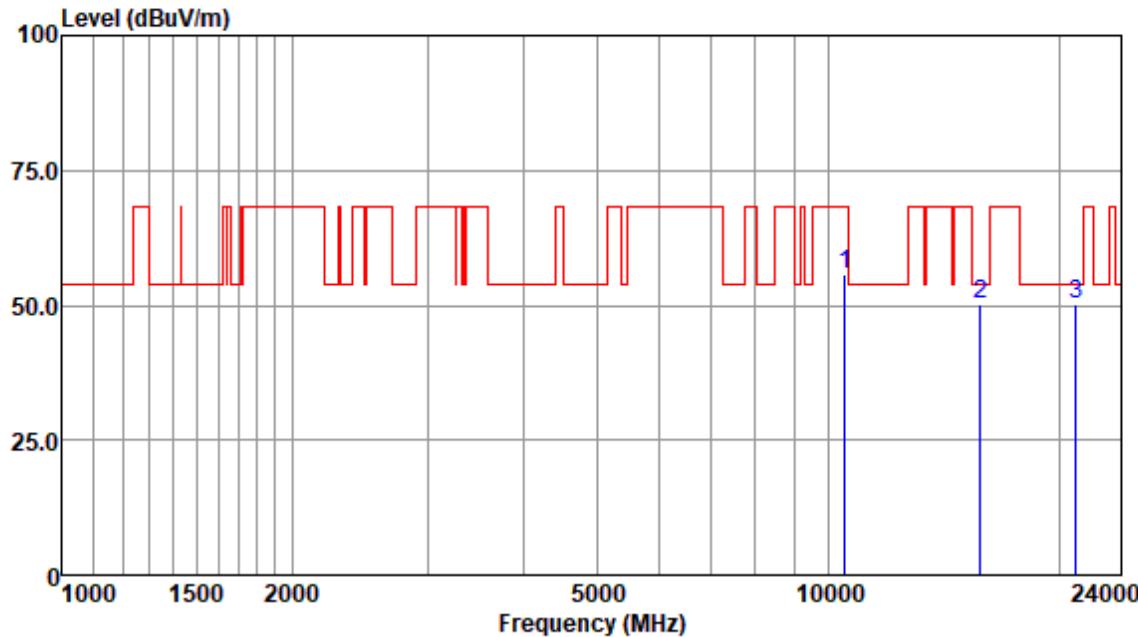
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10480.00	48.57	34.95	6.58	34.48	55.62	68.20	-12.58	Peak
15720.00	39.37	37.54	9.80	36.58	50.13	54.00	-3.87	Peak
20960.00	30.75	43.52	12.00	36.06	50.21	54.00	-3.79	Peak

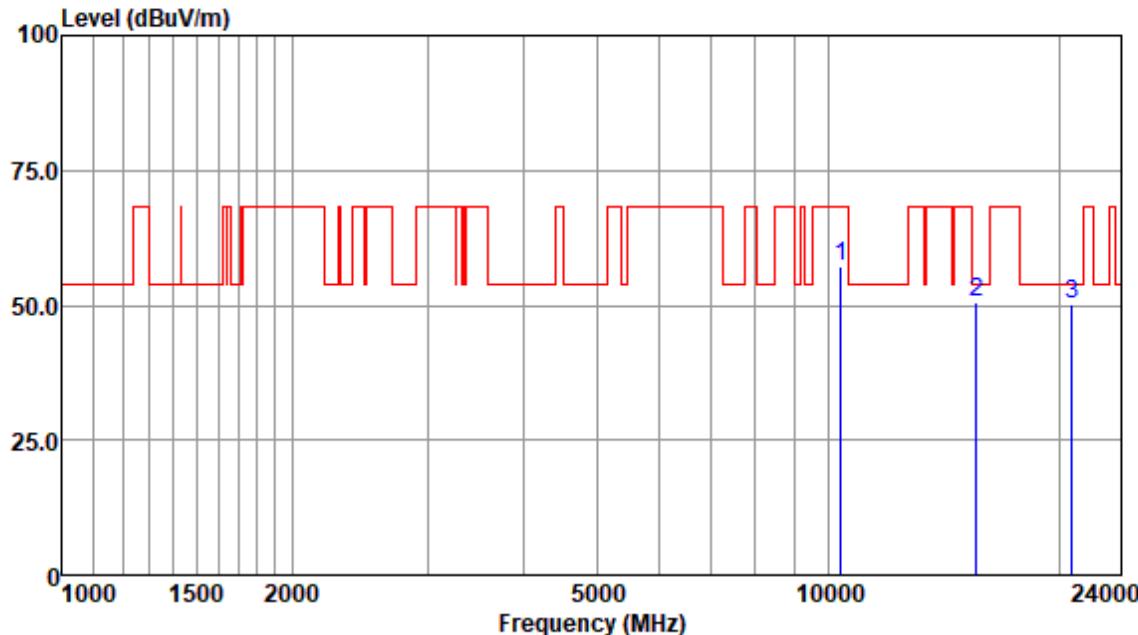
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10360.00	50.08	34.93	6.53	34.40	57.14	68.20	-11.06	Peak
15540.00	39.98	37.43	9.99	36.78	50.62	54.00	-3.38	Peak
20720.00	30.85	43.41	11.90	36.05	50.11	54.00	-3.89	Peak

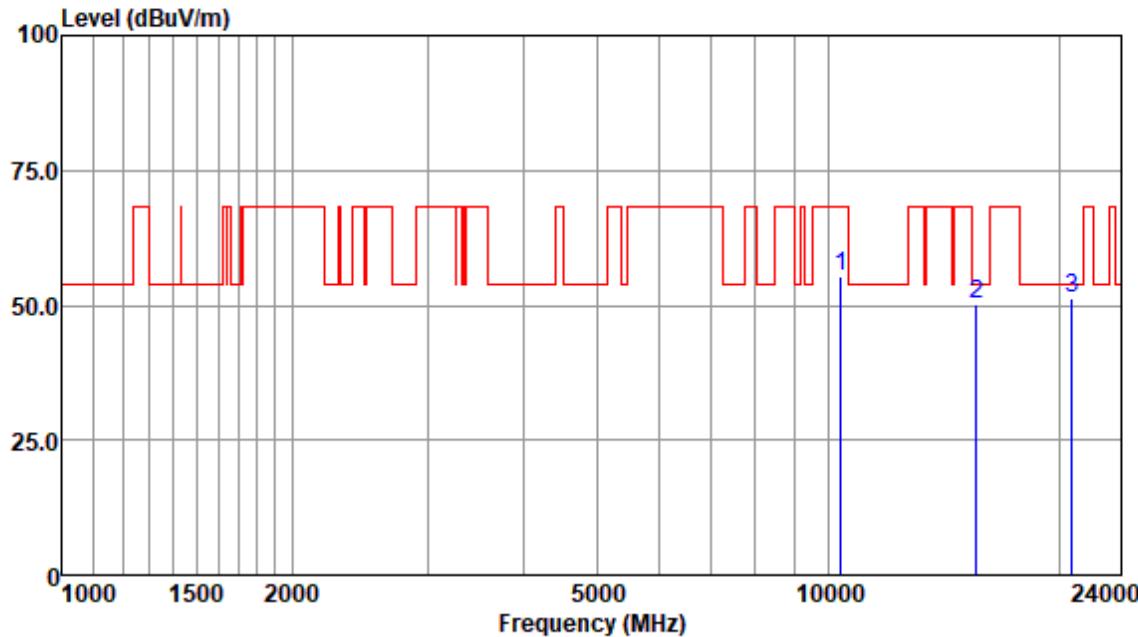
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10360.00	48.20	34.93	6.53	34.40	55.26	68.20	-12.94	Peak
15540.00	39.65	37.43	9.99	36.78	50.29	54.00	-3.71	Peak
20720.00	31.98	43.41	11.90	36.05	51.24	54.00	-2.76	Peak

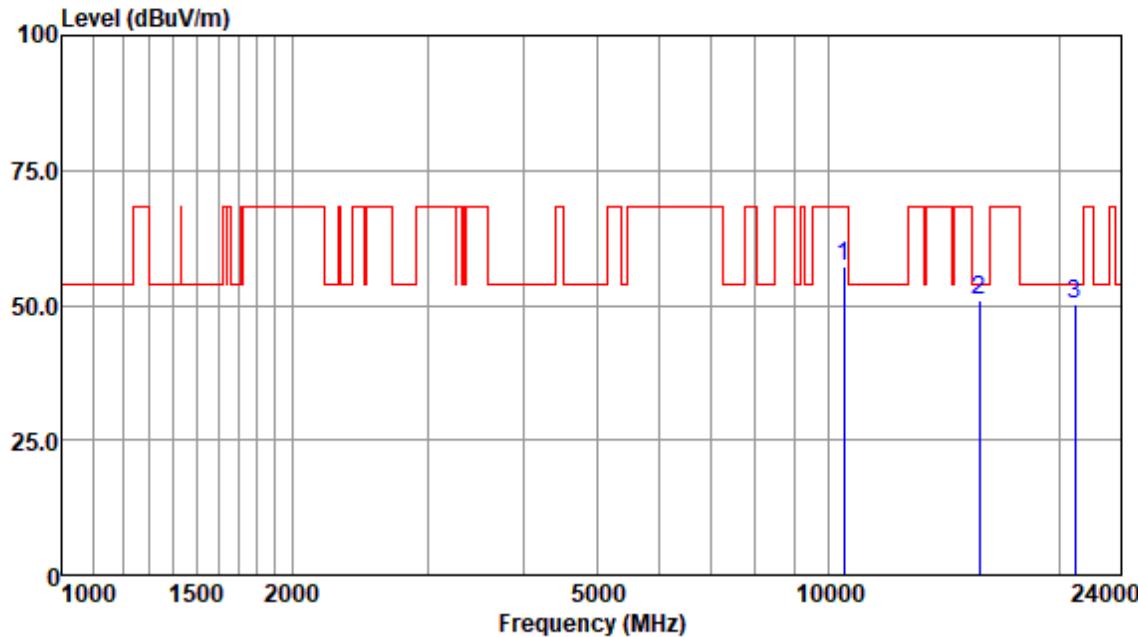
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10440.00	50.12	34.92	6.56	34.46	57.14	68.20	-11.06	Peak
15660.00	39.76	37.51	10.11	36.63	50.75	54.00	-3.25	Peak
20880.00	30.86	43.48	11.97	36.05	50.26	54.00	-3.74	Peak

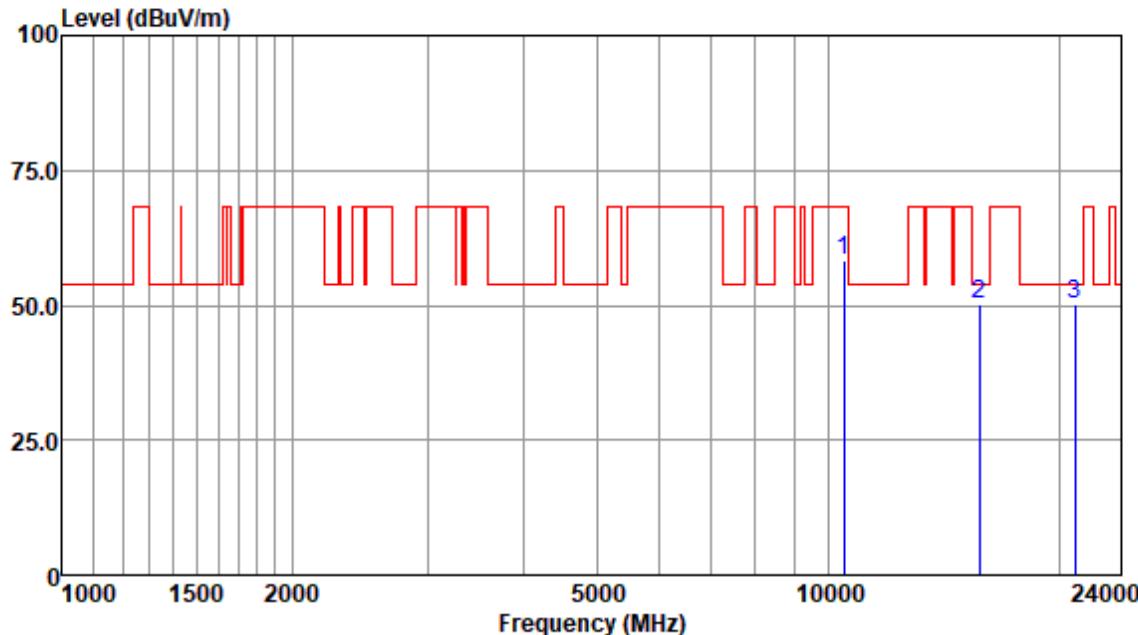
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10440.00	51.44	34.92	6.56	34.46	58.46	68.20	-9.74	Peak
15660.00	39.25	37.51	10.11	36.63	50.24	54.00	-3.76	Peak
20880.00	30.86	43.48	11.97	36.05	50.26	54.00	-3.74	Peak

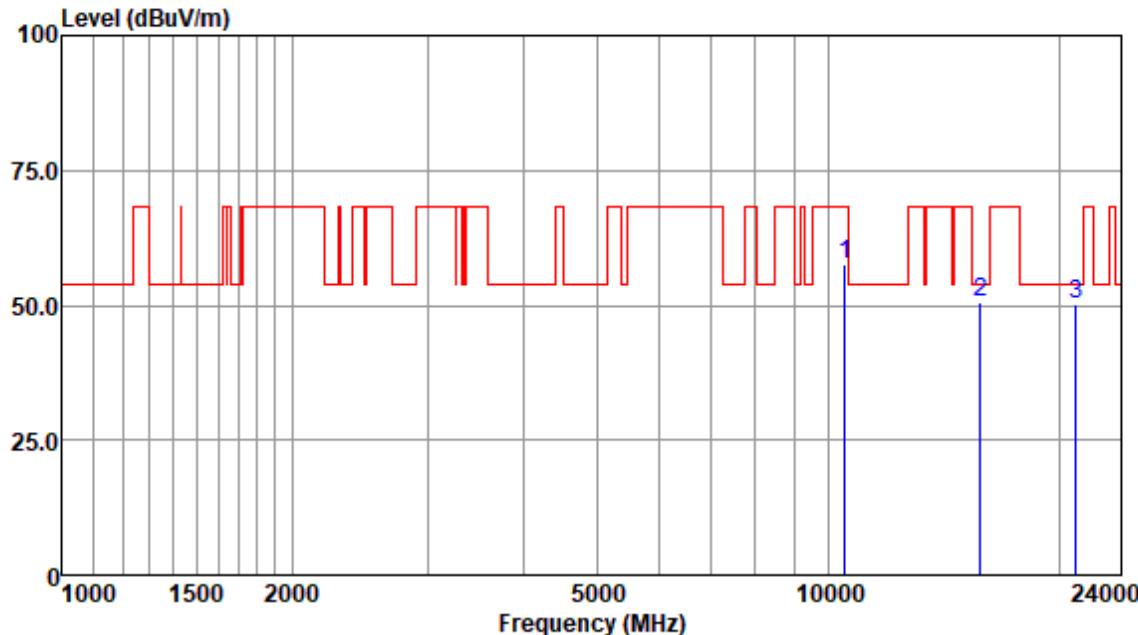
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10480.00	50.59	34.95	6.58	34.48	57.64	68.20	-10.56	Peak
15720.00	39.65	37.54	9.80	36.58	50.41	54.00	-3.59	Peak
20960.00	30.67	43.52	12.00	36.06	50.13	54.00	-3.87	Peak

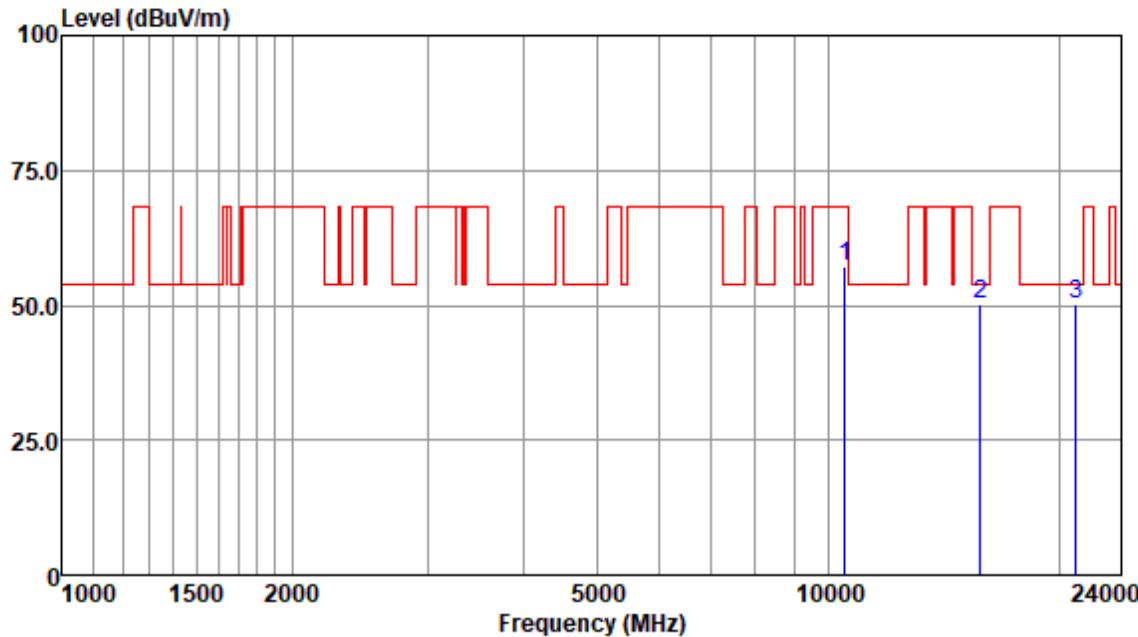
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10480.00	50.11	34.95	6.58	34.48	57.16	68.20	-11.04	Peak
15720.00	39.58	37.54	9.80	36.58	50.34	54.00	-3.66	Peak
20960.00	30.65	43.52	12.00	36.06	50.11	54.00	-3.89	Peak

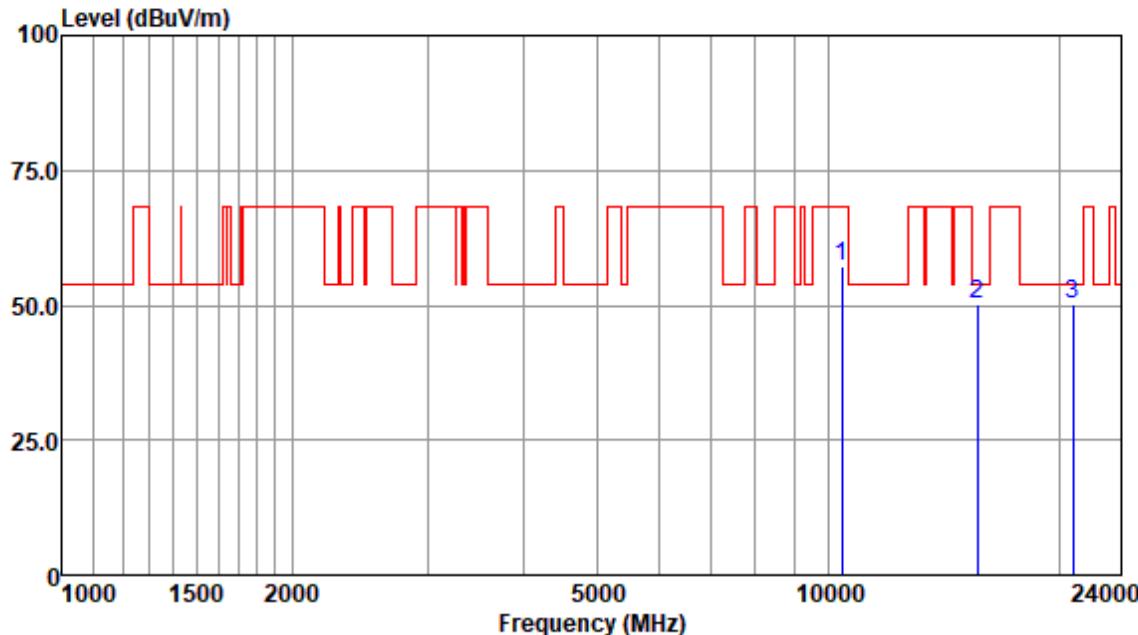
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10380.00	50.28	34.93	6.53	34.40	57.34	68.20	-10.86	Peak
15570.00	39.44	37.45	10.03	36.73	50.19	54.00	-3.81	Peak
20760.00	31.07	43.41	11.90	36.05	50.33	54.00	-3.67	Peak

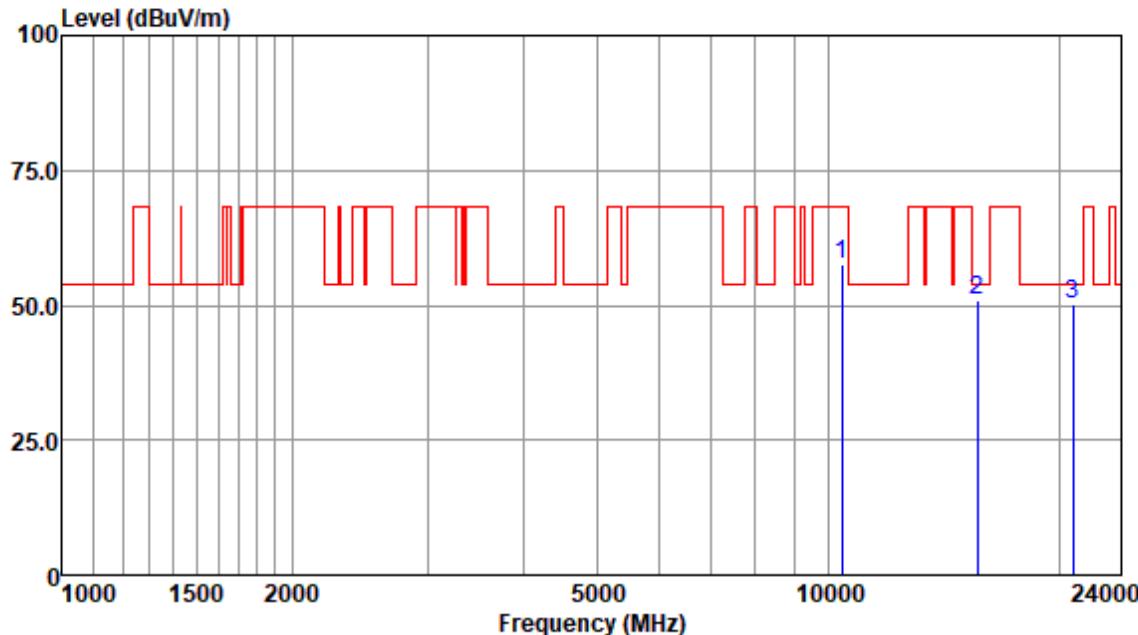
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10380.00	50.60	34.93	6.53	34.40	57.66	68.20	-10.54	Peak
15570.00	40.00	37.45	10.03	36.73	50.75	54.00	-3.25	Peak
20760.00	31.08	43.41	11.90	36.05	50.34	54.00	-3.66	Peak

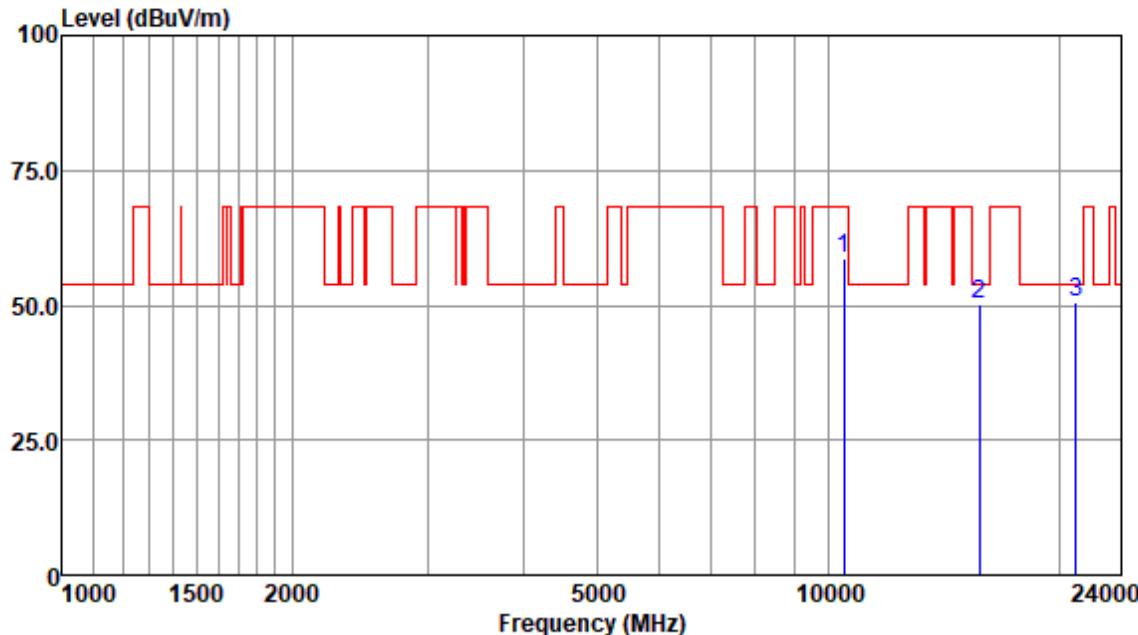
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
10460.00	51.61	34.95	6.58	34.48	58.66	68.20	-9.54	Peak
15690.00	39.25	37.51	10.11	36.63	50.24	54.00	-3.76	Peak
20920.00	30.95	43.52	12.00	36.06	50.41	54.00	-3.59	Peak

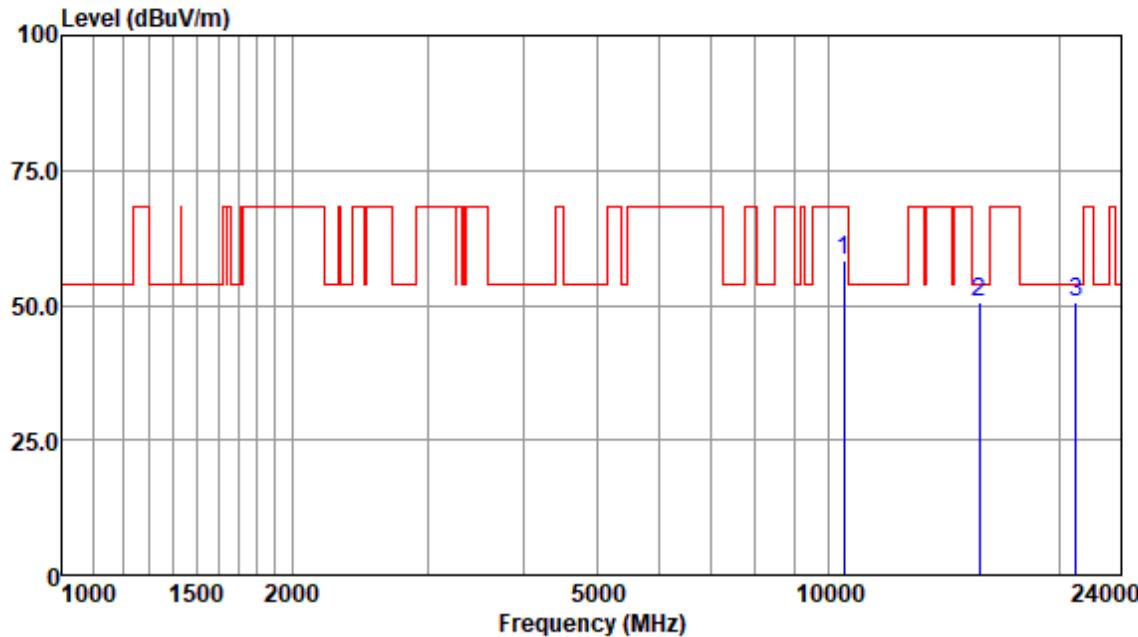
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
10460.00	51.29	34.95	6.58	34.48	58.34	68.20	-9.86	Peak
15690.00	39.42	37.51	10.11	36.63	50.41	54.00	-3.59	Peak
20920.00	30.98	43.52	12.00	36.06	50.44	54.00	-3.56	Peak

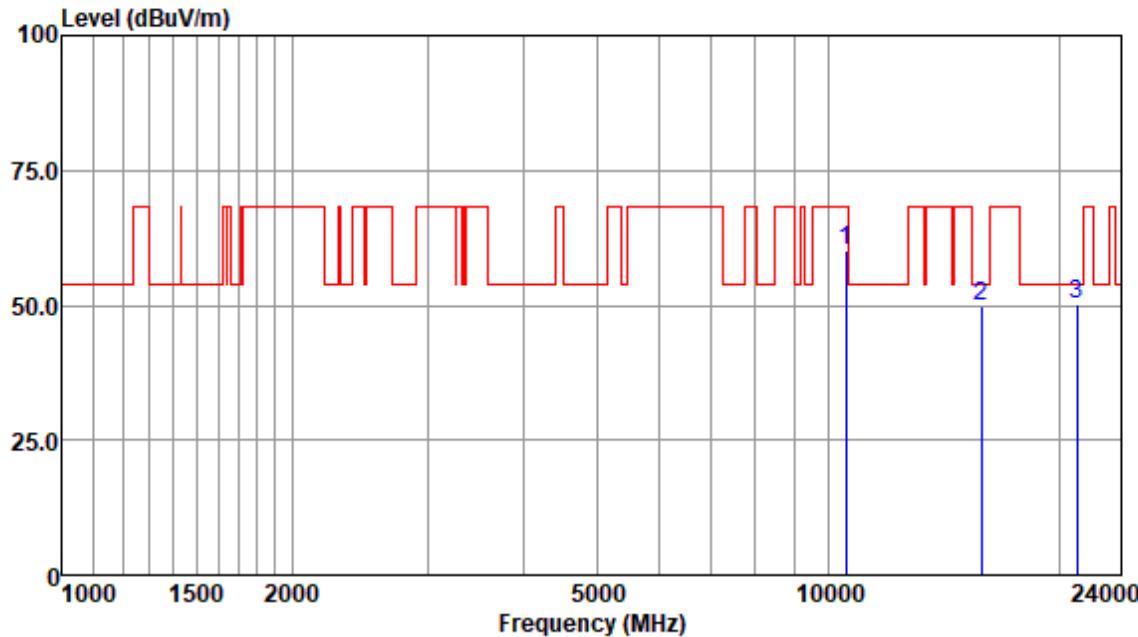
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10520.00	53.17	34.98	6.60	34.51	60.24	68.20	-7.96	Peak
15780.00	39.15	37.56	9.48	36.55	49.64	54.00	-4.36	Peak
21040.00	30.56	43.58	12.07	36.06	50.15	54.00	-3.85	Peak

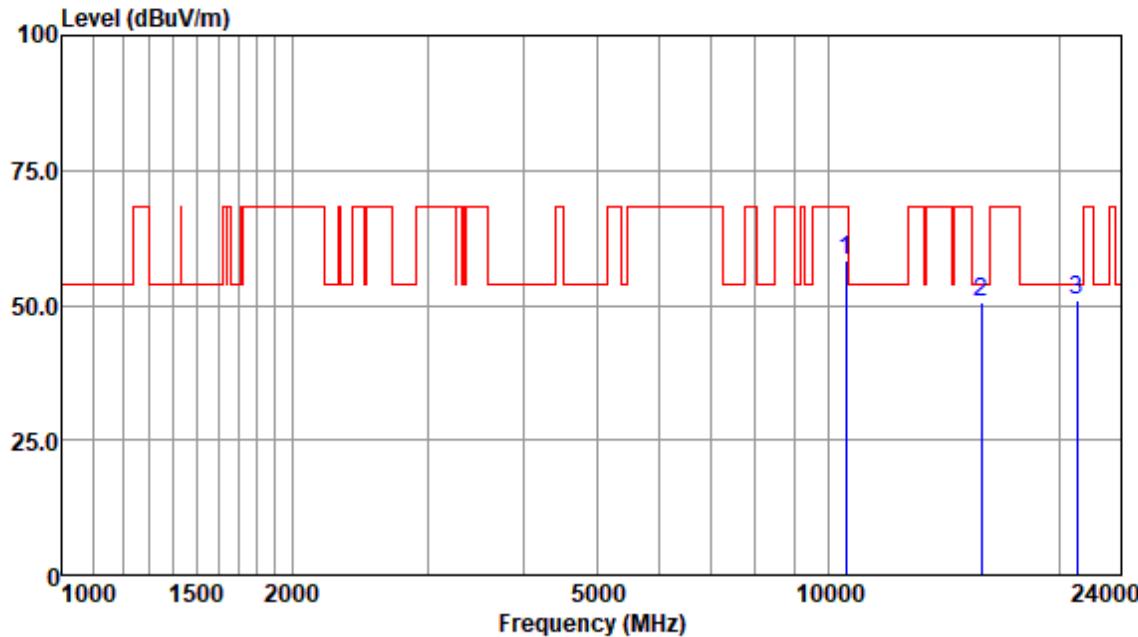
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10520.00	51.40	34.98	6.60	34.51	58.47	68.20	-9.73	Peak
15780.00	40.16	37.56	9.48	36.55	50.65	54.00	-3.35	Peak
21040.00	31.35	43.58	12.07	36.06	50.94	54.00	-3.06	Peak

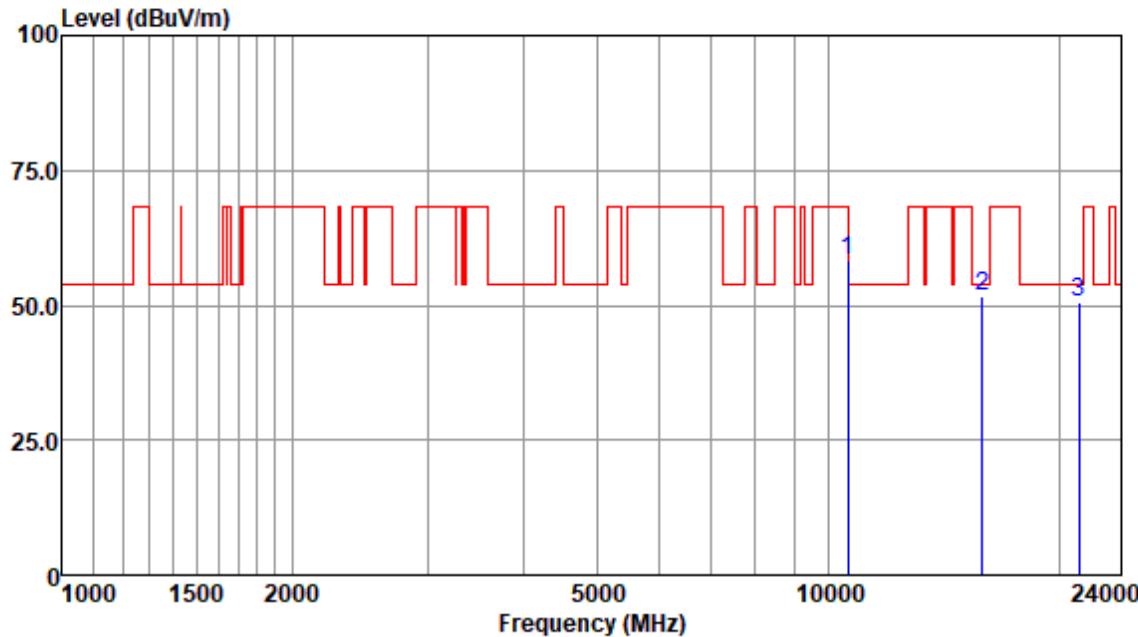
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10560.00	51.12	35.04	6.64	34.56	58.24	68.20	-9.96	Peak
15840.00	41.32	37.61	9.16	36.51	51.58	54.00	-2.42	Peak
21120.00	30.81	43.62	12.11	36.07	50.47	54.00	-3.53	Peak

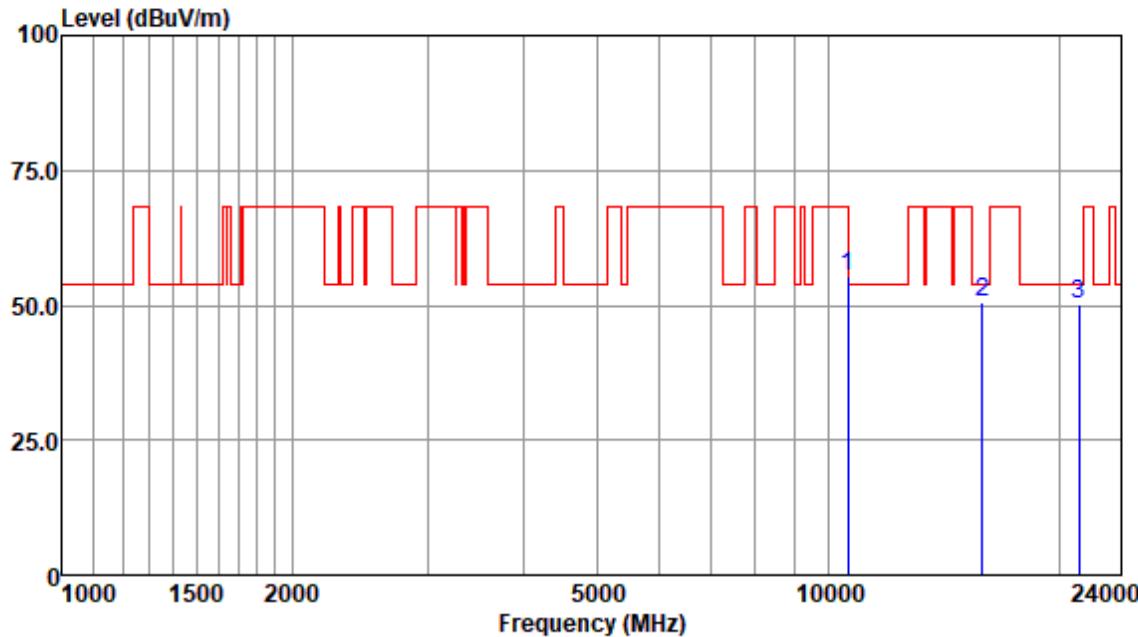
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10560.00	48.15	35.04	6.64	34.56	55.27	68.20	-12.93	Peak
15840.00	40.15	37.61	9.16	36.51	50.41	54.00	-3.59	Peak
21120.00	30.61	43.62	12.11	36.07	50.27	54.00	-3.73	Peak

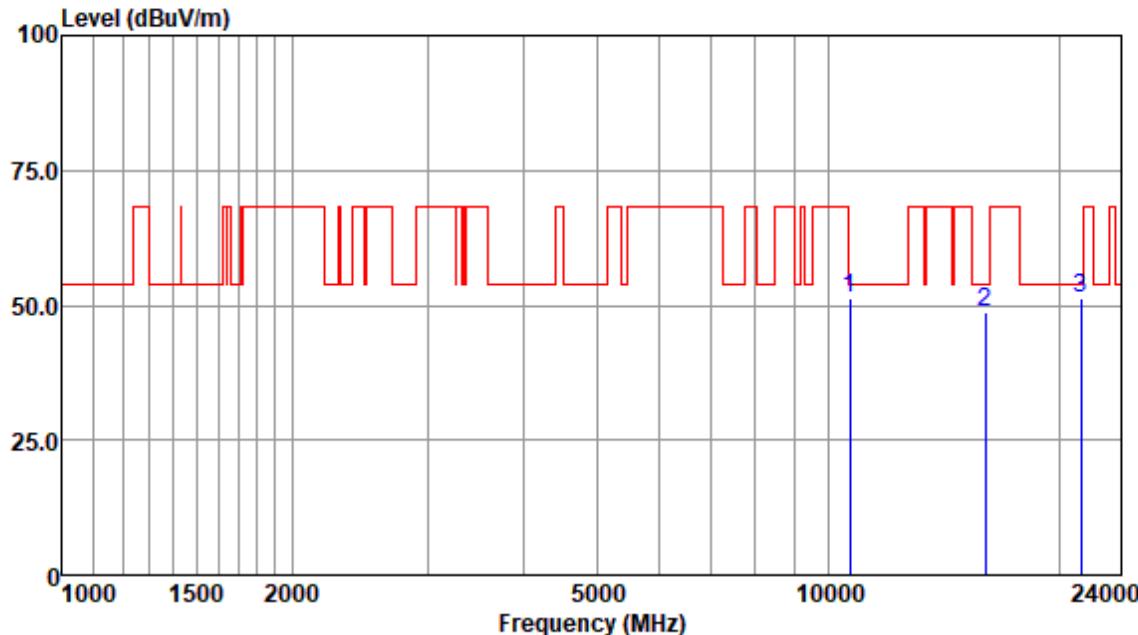
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10640.00	44.05	35.10	6.68	34.61	51.22	54.00	-2.78	Peak
15960.00	38.72	37.74	8.60	36.42	48.64	54.00	-5.36	Peak
21280.00	31.67	43.69	12.18	36.07	51.47	54.00	-2.53	Peak

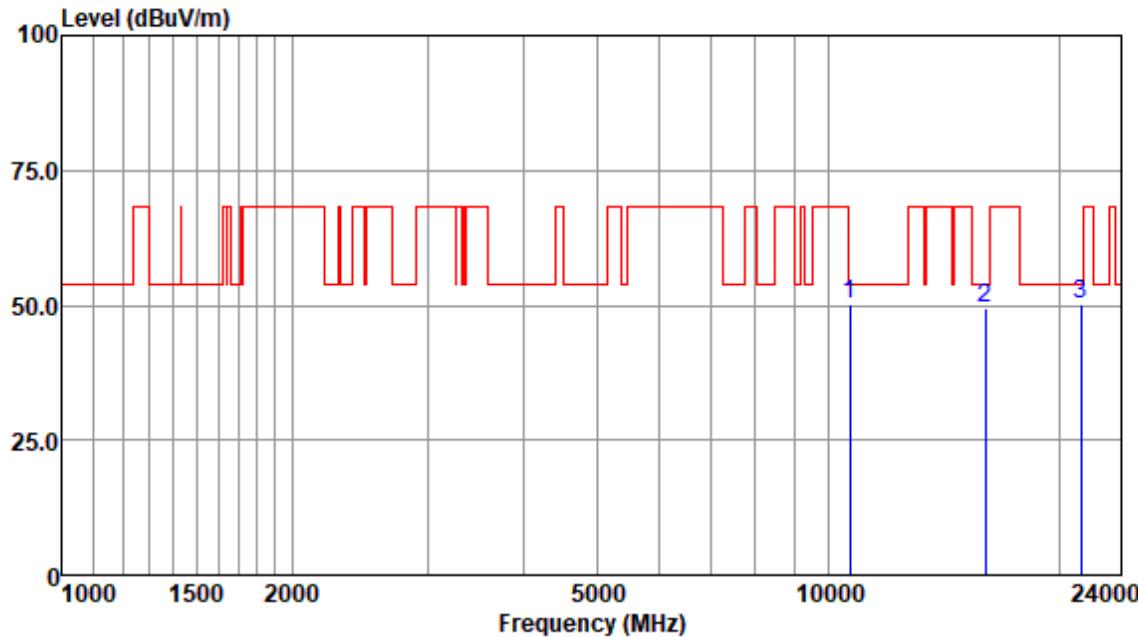
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10640.00	43.12	35.10	6.68	34.61	50.29	54.00	-3.71	Peak
15960.00	39.62	37.74	8.60	36.42	49.54	54.00	-4.46	Peak
21280.00	30.45	43.69	12.18	36.07	50.25	54.00	-3.75	Peak

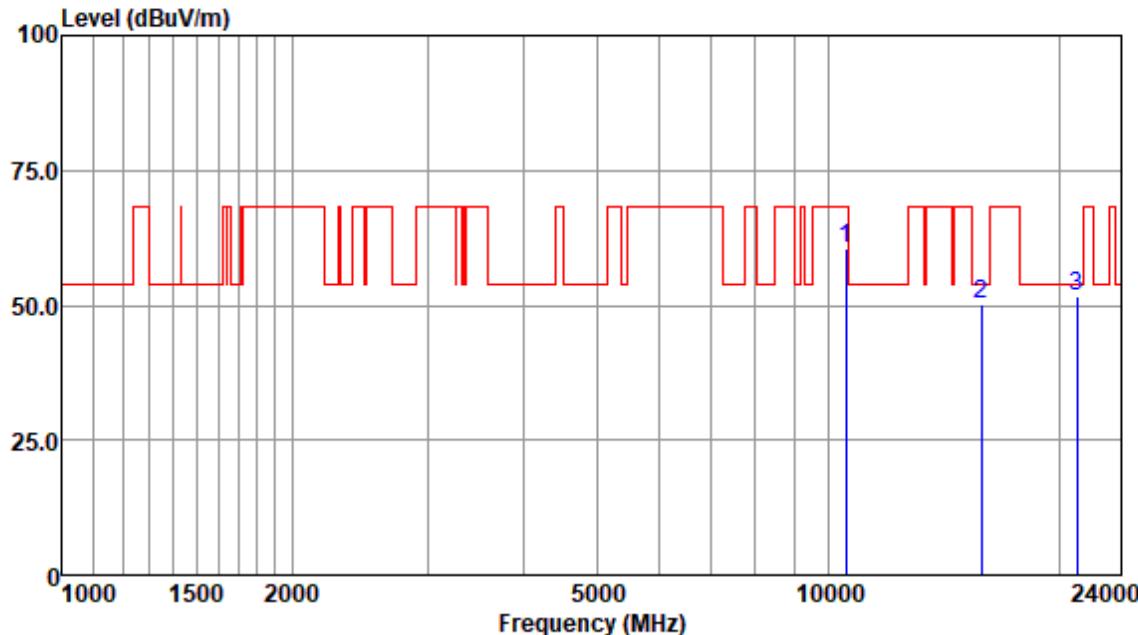
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10520.00	53.39	34.98	6.60	34.51	60.46	68.20	-7.74	Peak
15780.00	39.84	37.56	9.48	36.55	50.33	54.00	-3.67	Peak
21040.00	31.95	43.58	12.07	36.06	51.54	54.00	-2.46	Peak

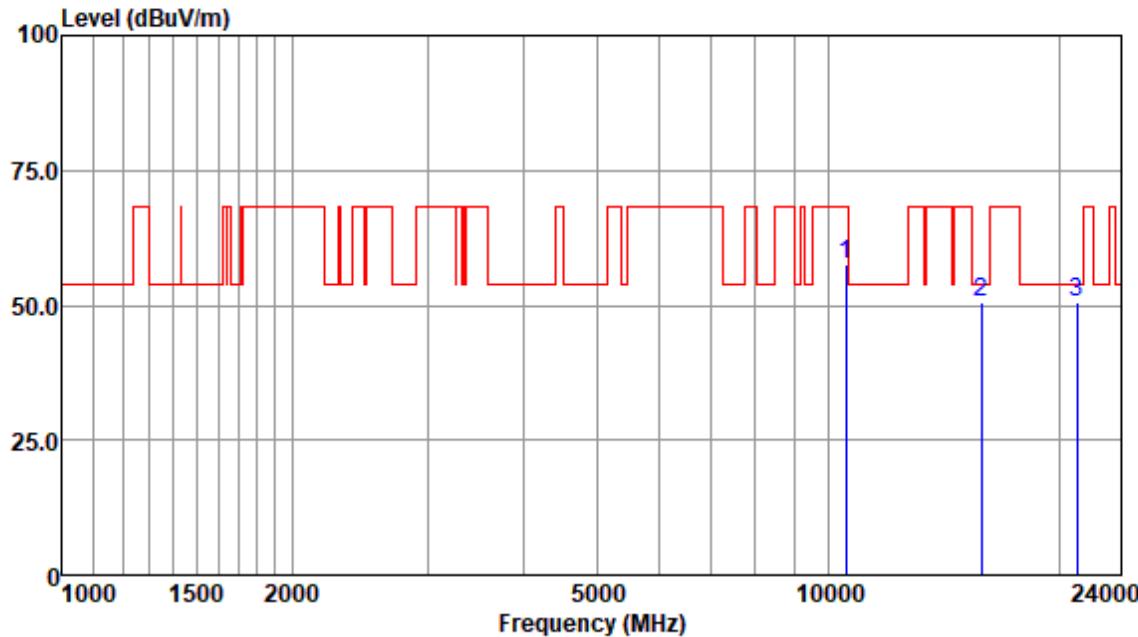
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10520.00	50.49	34.98	6.60	34.51	57.56	68.20	-10.64	Peak
15780.00	39.92	37.56	9.48	36.55	50.41	54.00	-3.59	Peak
21040.00	30.96	43.58	12.07	36.06	50.55	54.00	-3.45	Peak

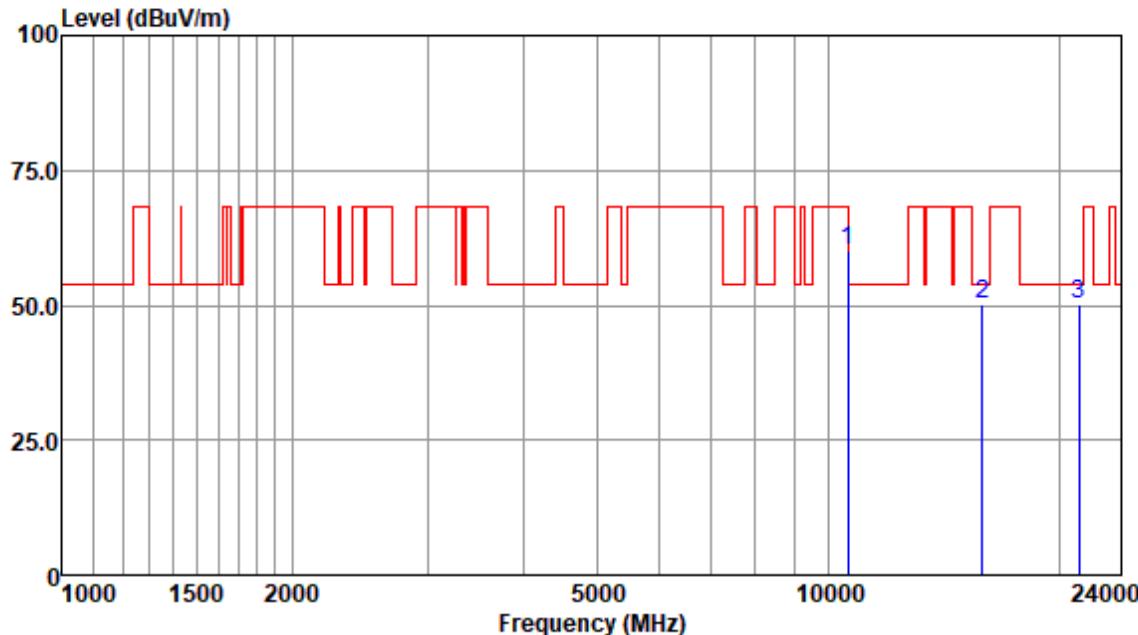
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10560.00	53.12	35.04	6.64	34.56	60.24	68.20	-7.96	Peak
15840.00	40.08	37.61	9.16	36.51	50.34	54.00	-3.66	Peak
21120.00	30.45	43.62	12.11	36.07	50.11	54.00	-3.89	Peak

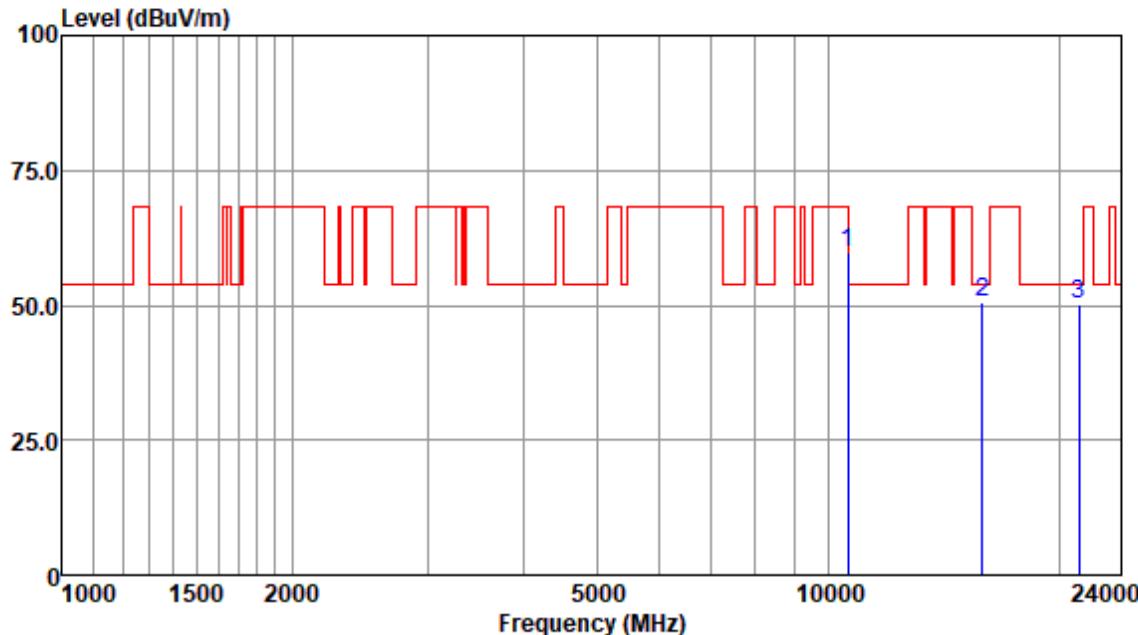
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10560.00	52.52	35.04	6.64	34.56	59.64	68.20	-8.56	Peak
15840.00	40.38	37.61	9.16	36.51	50.64	54.00	-3.36	Peak
21120.00	30.68	43.62	12.11	36.07	50.34	54.00	-3.66	Peak

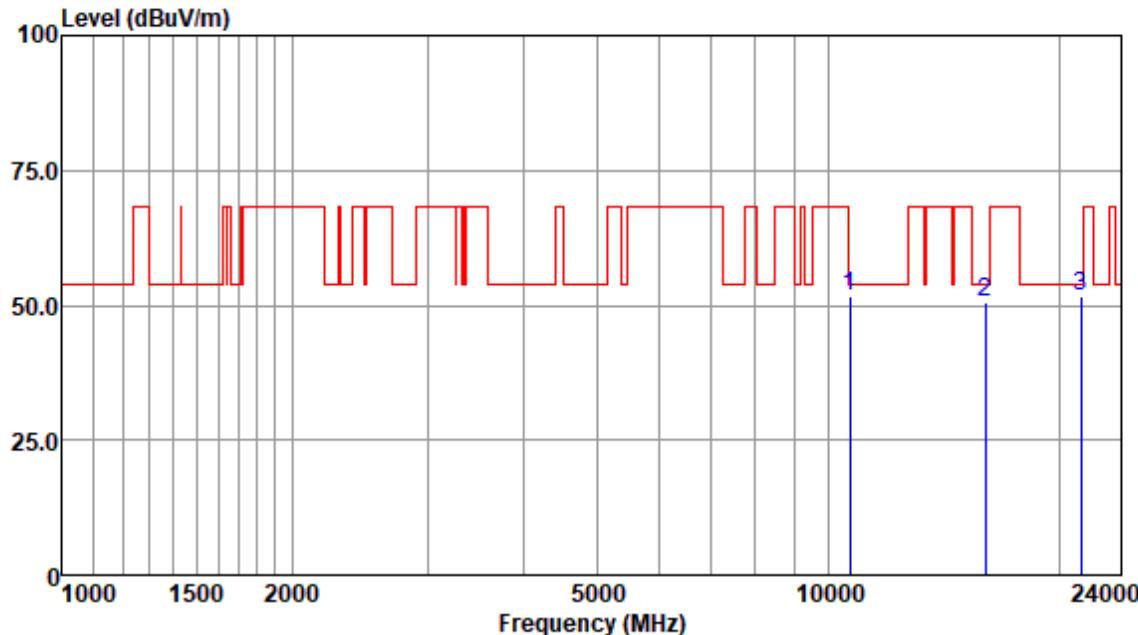
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
10640.00	44.47	35.10	6.68	34.61	51.64	54.00	-2.36	Peak
15960.00	40.63	37.74	8.60	36.42	50.55	54.00	-3.45	Peak
21280.00	31.94	43.69	12.18	36.07	51.74	54.00	-2.26	Peak

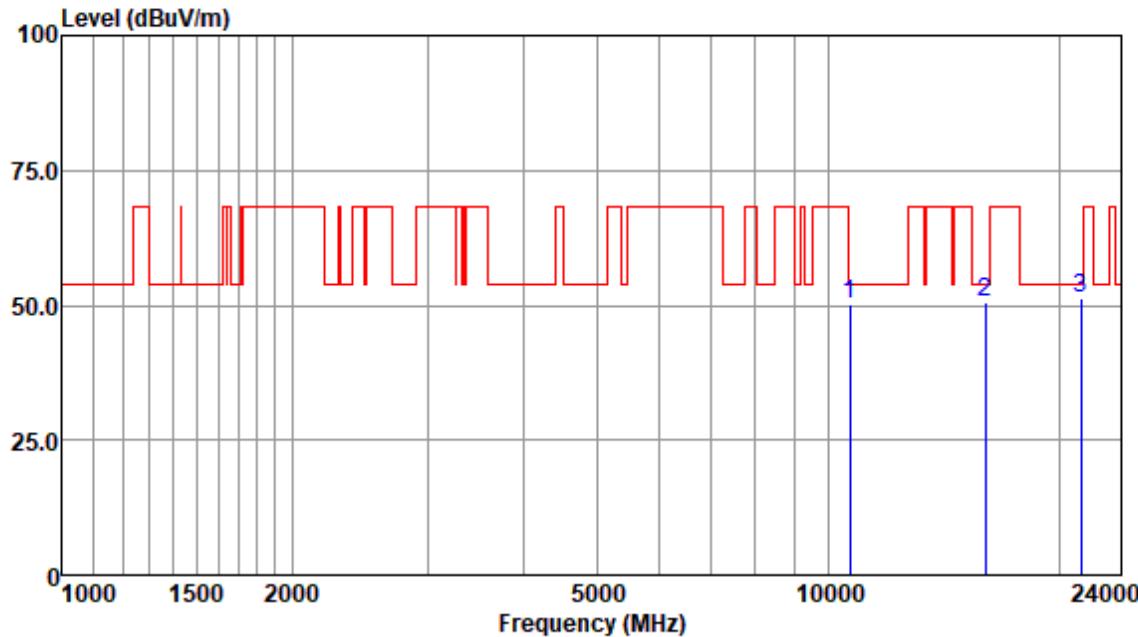
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10640.00	43.05	35.10	6.68	34.61	50.22	54.00	-3.78	Peak
15960.00	40.59	37.74	8.60	36.42	50.51	54.00	-3.49	Peak
21280.00	31.49	43.69	12.18	36.07	51.29	54.00	-2.71	Peak

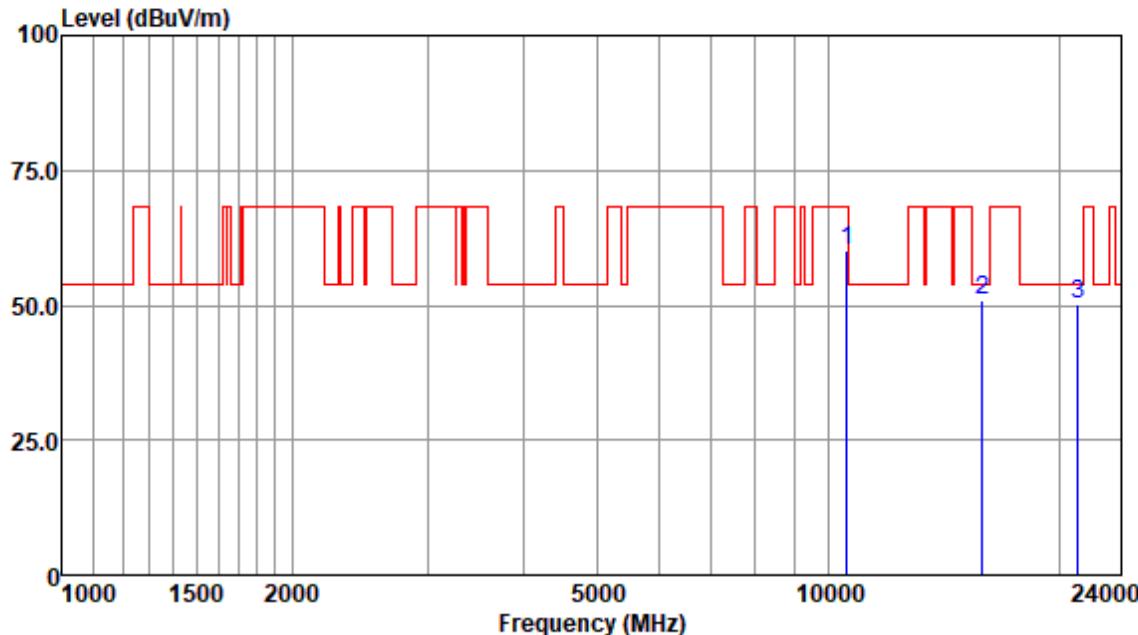
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10540.00	53.15	35.01	6.62	34.54	60.24	68.20	-7.96	Peak
15810.00	40.70	37.61	9.16	36.51	50.96	54.00	-3.04	Peak
21080.00	30.74	43.58	12.07	36.06	50.33	54.00	-3.67	Peak

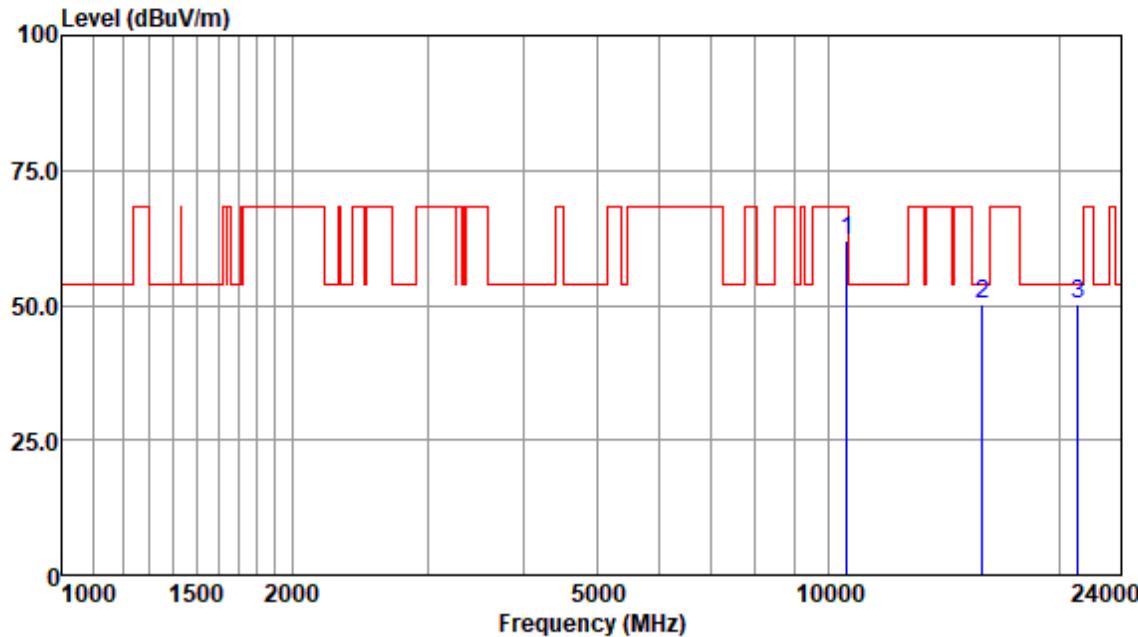
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10540.00	55.05	35.01	6.62	34.54	62.14	68.20	-6.06	Peak
15810.00	39.96	37.61	9.16	36.51	50.22	54.00	-3.78	Peak
21080.00	30.65	43.58	12.07	36.06	50.24	54.00	-3.76	Peak

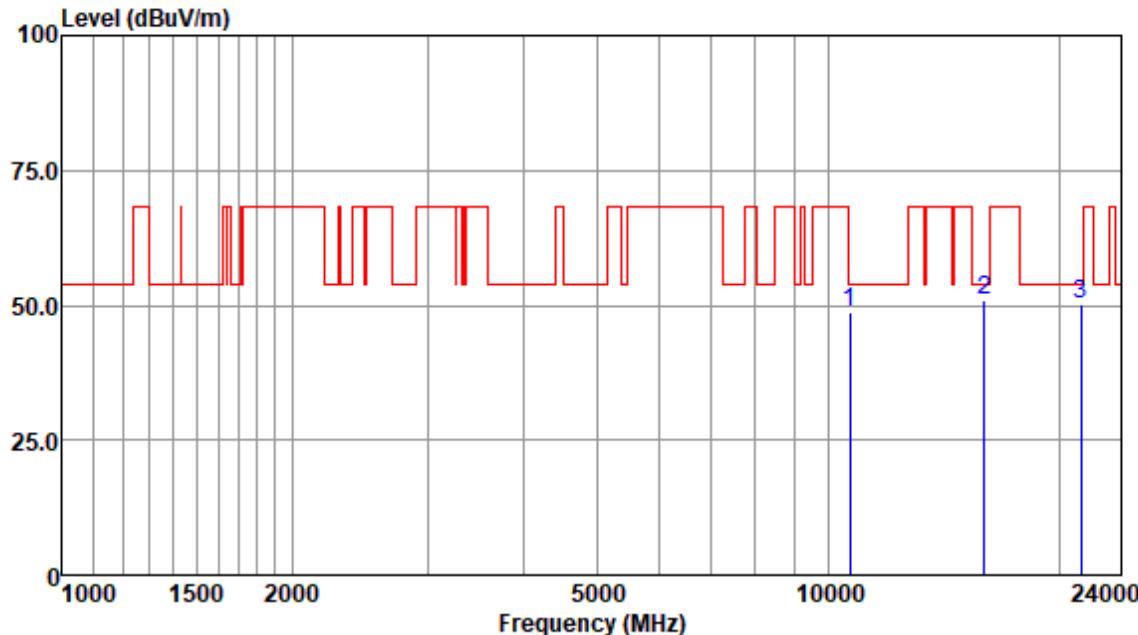
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10620.00	41.60	35.07	6.66	34.59	48.74	54.00	-5.26	Peak
15930.00	41.16	37.70	8.53	36.45	50.94	54.00	-3.06	Peak
21240.00	30.44	43.69	12.18	36.07	50.24	54.00	-3.76	Peak

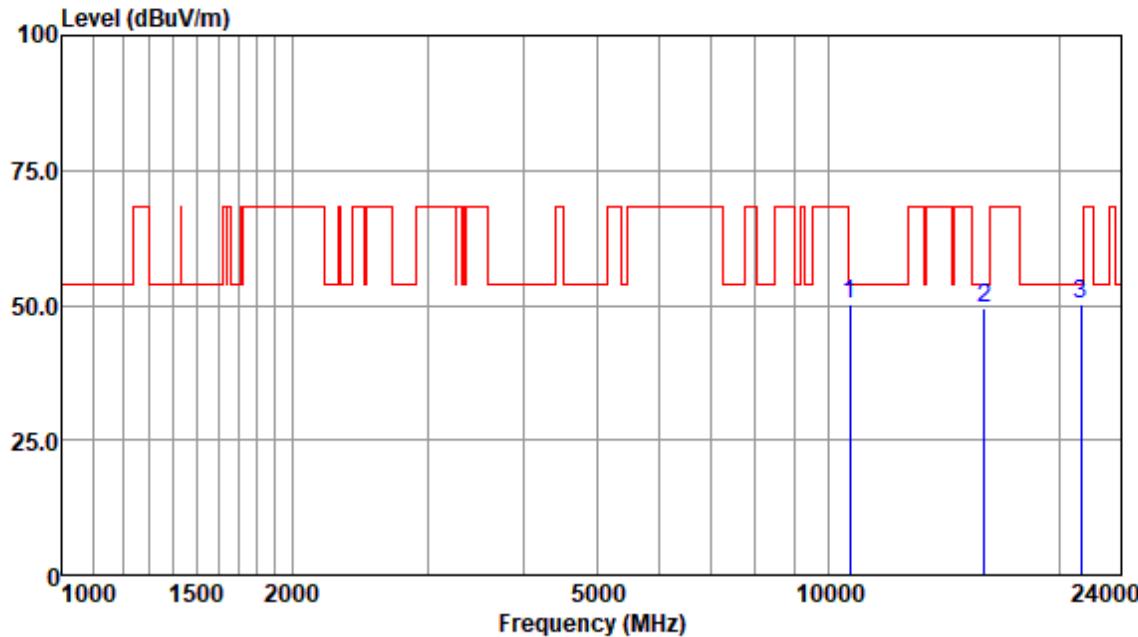
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
10620.00	43.10	35.07	6.66	34.59	50.24	54.00	-3.76	Peak
15930.00	39.79	37.70	8.53	36.45	49.57	54.00	-4.43	Peak
21240.00	30.44	43.69	12.18	36.07	50.24	54.00	-3.76	Peak

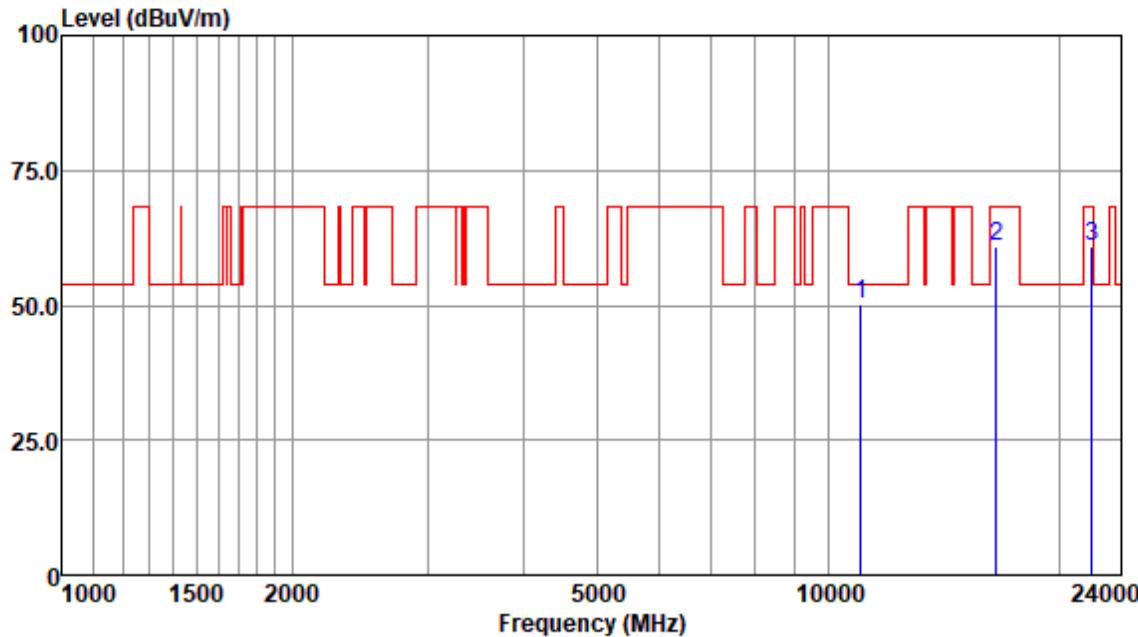
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11000.00	42.91	35.42	6.89	35.08	50.14	54.00	-3.86	Peak
16500.00	49.19	38.47	9.26	36.11	60.81	68.20	-7.39	Peak
22000.00	40.19	44.07	12.56	36.11	60.71	68.20	-7.49	Peak

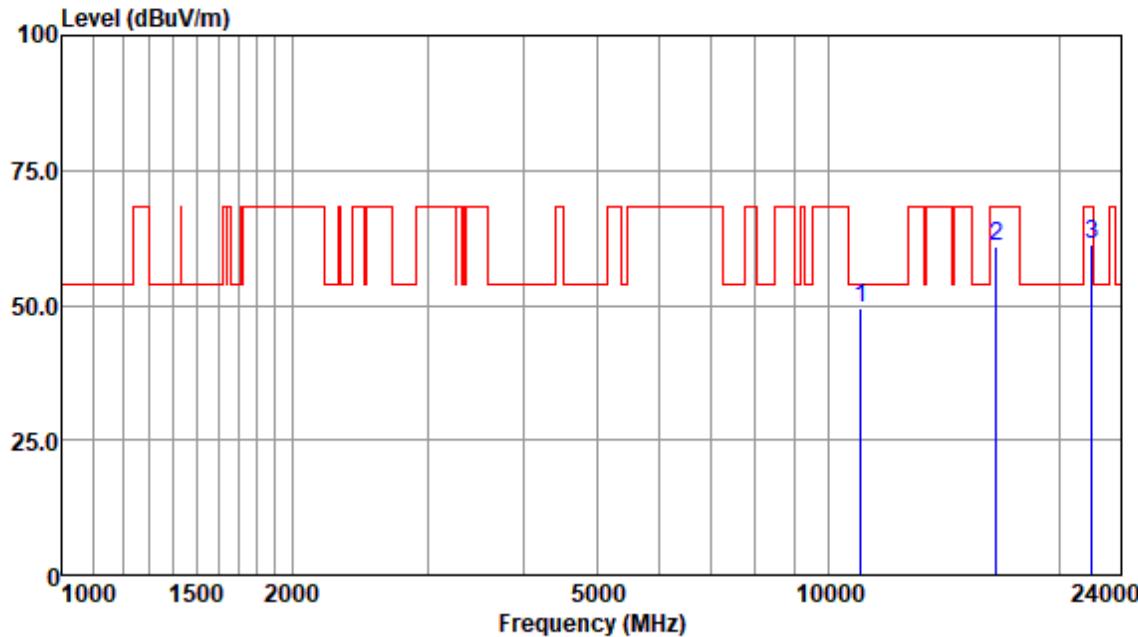
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11000.00	42.28	35.42	6.89	35.08	49.51	54.00	-4.49	Peak
16500.00	49.26	38.47	9.26	36.11	60.88	68.20	-7.32	Peak
22000.00	40.89	44.07	12.56	36.11	61.41	68.20	-6.79	Peak

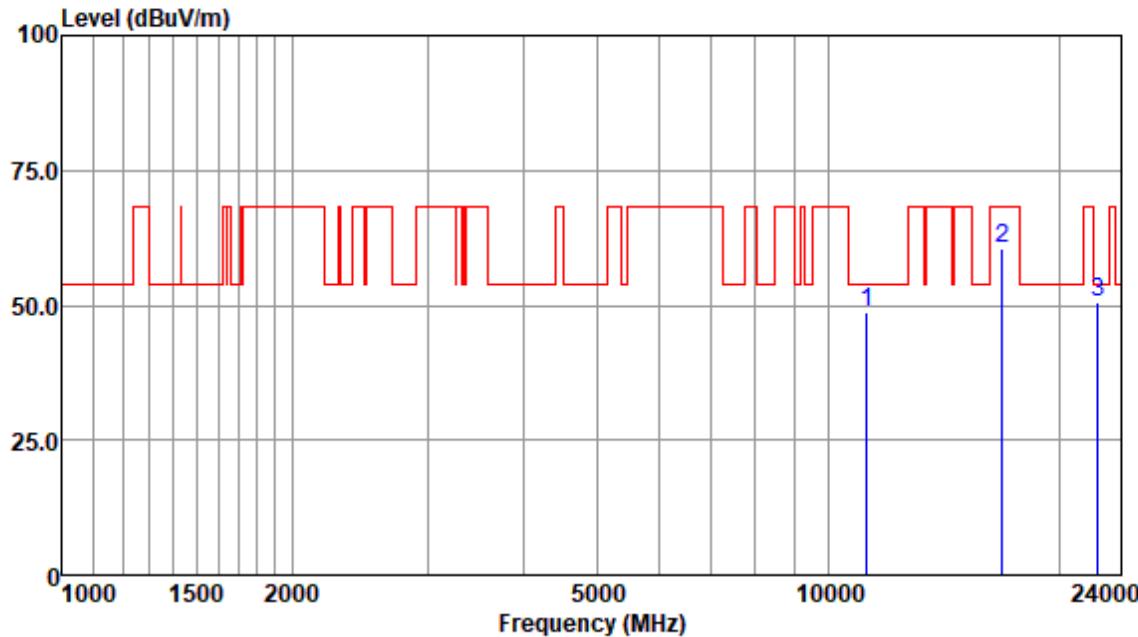
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11200.00	41.37	35.56	7.04	35.33	48.64	54.00	-5.36	Peak
16800.00	47.53	39.31	9.66	36.03	60.47	68.20	-7.73	Peak
22400.00	29.80	44.24	12.73	36.13	50.64	54.00	-3.36	Peak

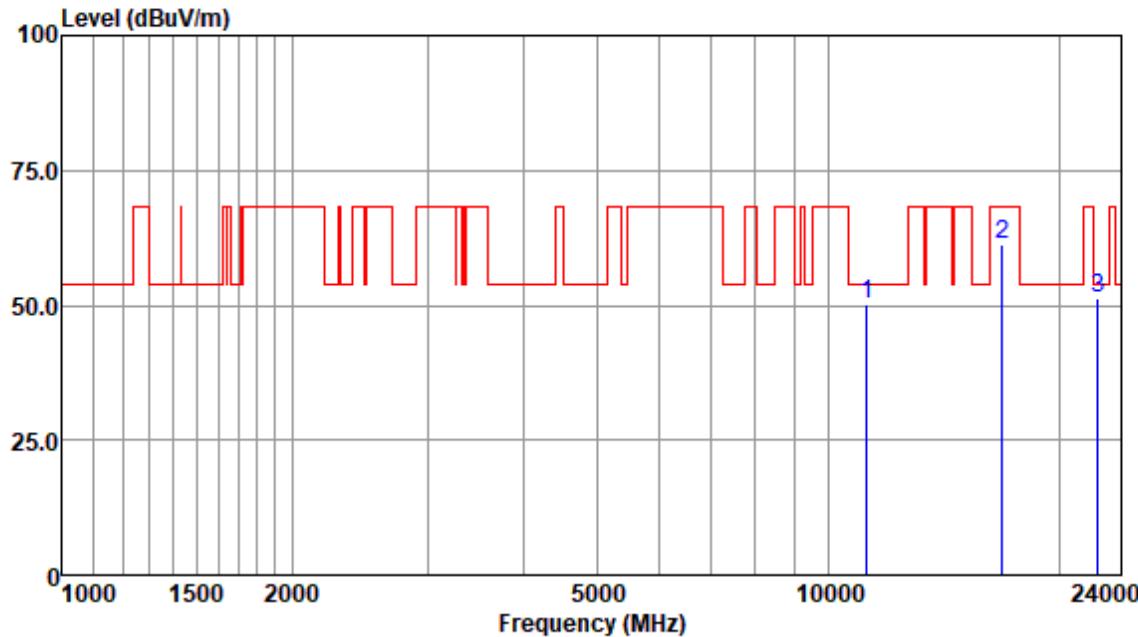
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11200.00	43.02	35.56	7.04	35.33	50.29	54.00	-3.71	Peak
16800.00	48.40	39.31	9.66	36.03	61.34	68.20	-6.86	Peak
22400.00	30.38	44.24	12.73	36.13	51.22	54.00	-2.78	Peak

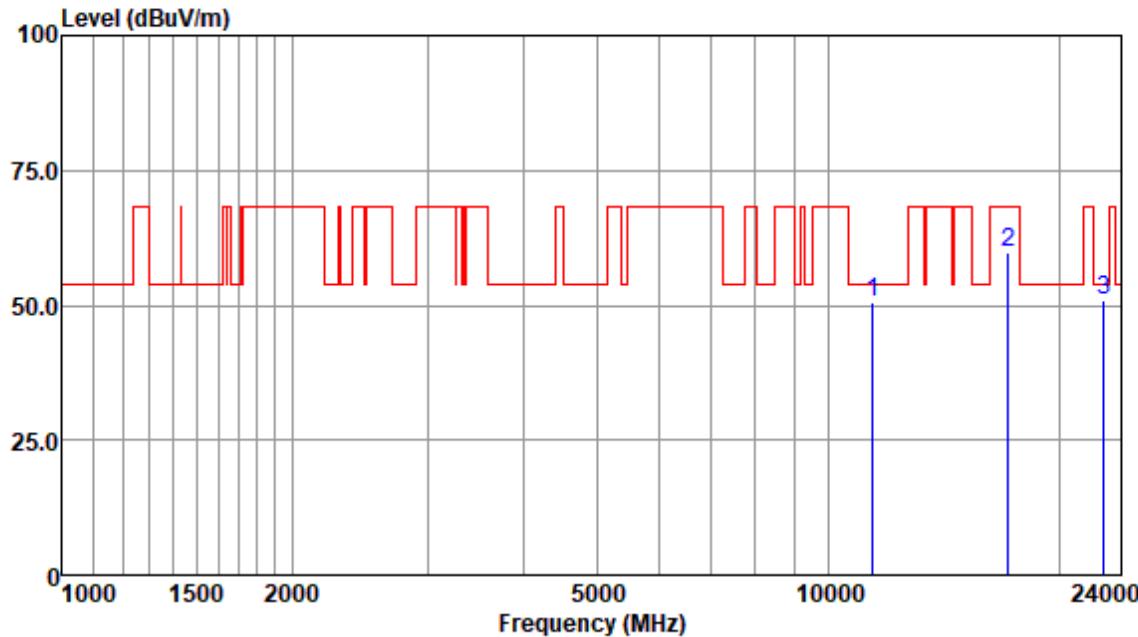
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11400.00	43.37	35.73	7.28	35.74	50.64	54.00	-3.36	Peak
17100.00	45.86	40.12	9.99	36.03	59.94	68.20	-8.26	Peak
22800.00	29.70	44.45	12.94	36.15	50.94	54.00	-3.06	Peak

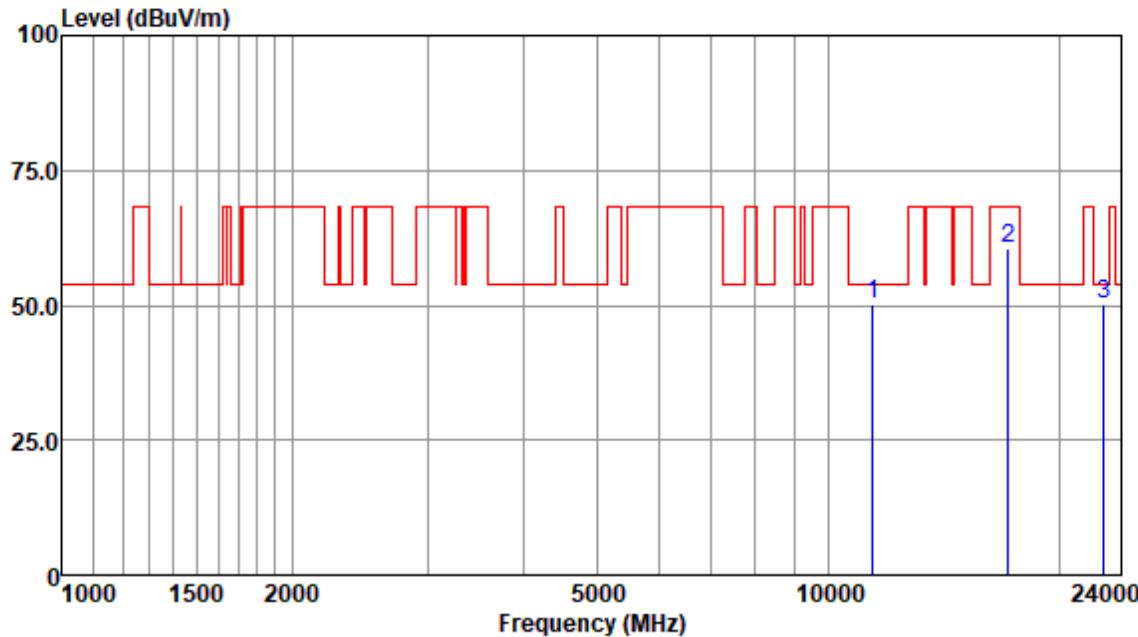
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11400.00	42.99	35.73	7.28	35.74	50.26	54.00	-3.74	Peak
17100.00	46.57	40.12	9.99	36.03	60.65	68.20	-7.55	Peak
22800.00	29.00	44.45	12.94	36.15	50.24	54.00	-3.76	Peak

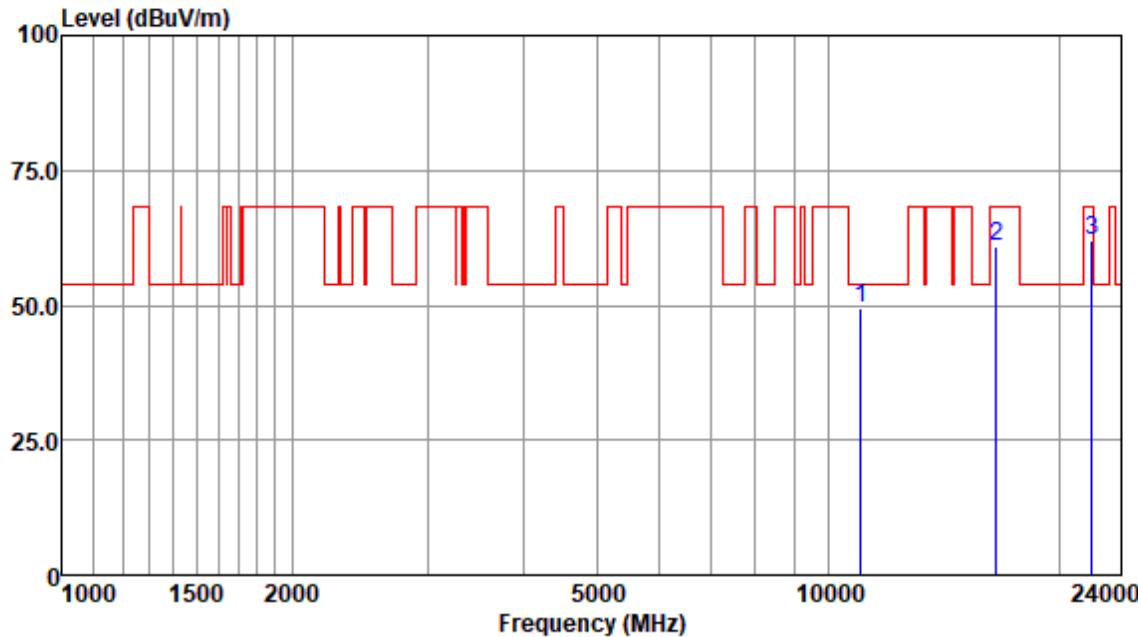
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11000.00	42.28	35.42	6.89	35.08	49.51	54.00	-4.49	Peak
16500.00	49.25	38.47	9.26	36.11	60.87	68.20	-7.33	Peak
22000.00	41.42	44.07	12.56	36.11	61.94	68.20	-6.26	Peak

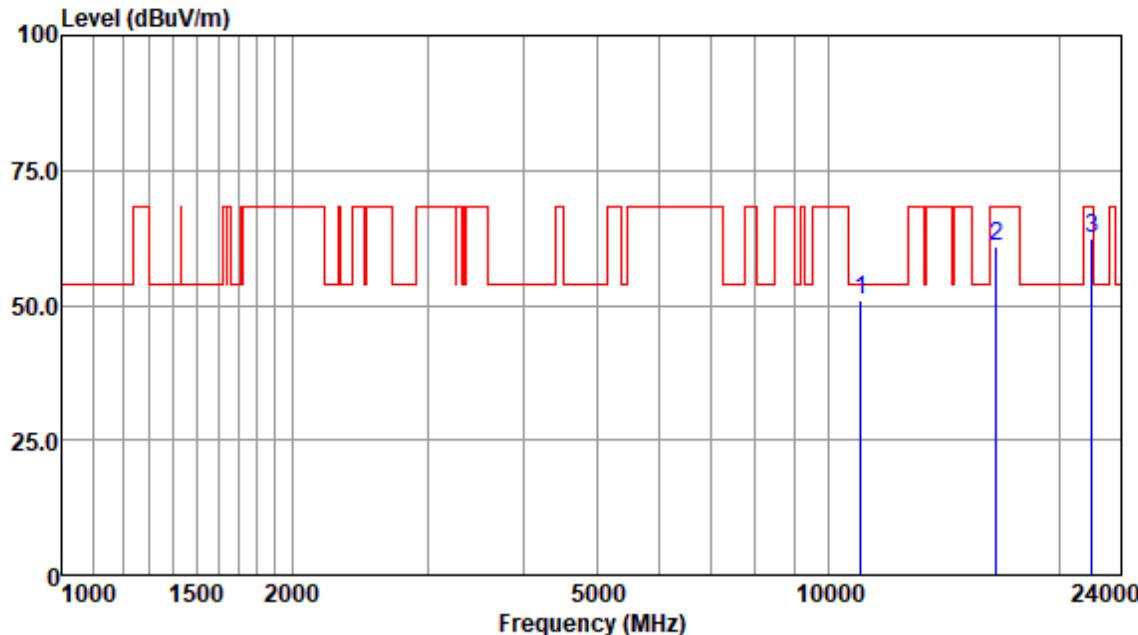
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11000.00	43.52	35.42	6.89	35.08	50.75	54.00	-3.25	Peak
16500.00	49.32	38.47	9.26	36.11	60.94	68.20	-7.26	Peak
22000.00	41.96	44.07	12.56	36.11	62.48	68.20	-5.72	Peak

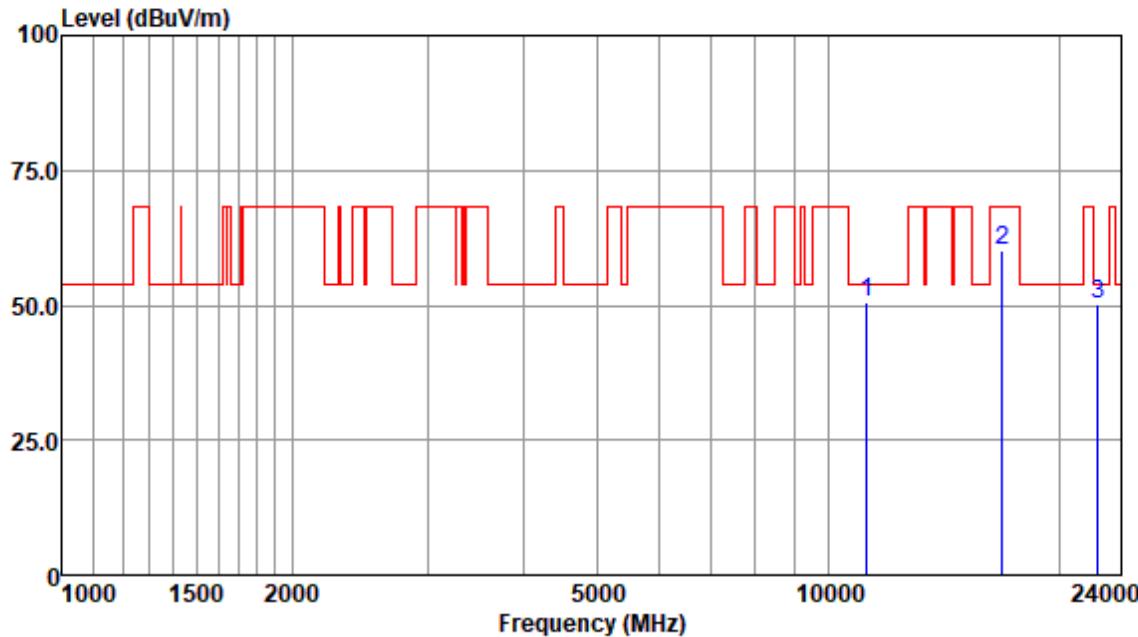
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11200.00	43.17	35.56	7.04	35.33	50.44	54.00	-3.56	Peak
16800.00	47.34	39.31	9.66	36.03	60.28	68.20	-7.92	Peak
22400.00	29.17	44.24	12.73	36.13	50.01	54.00	-3.99	Peak

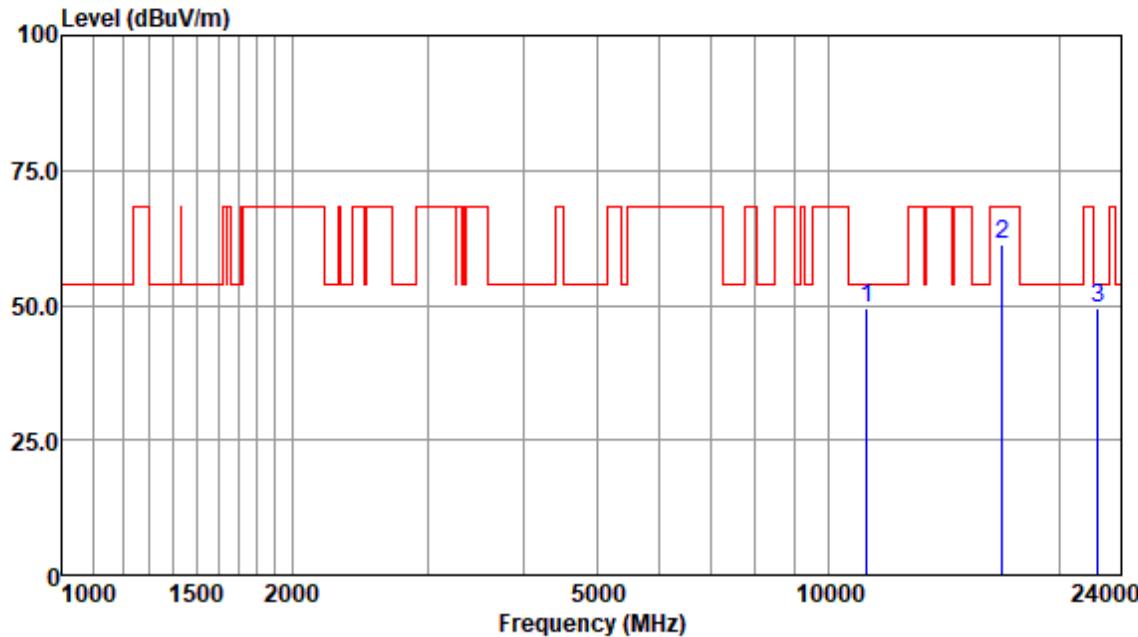
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11200.00	42.30	35.56	7.04	35.33	49.57	54.00	-4.43	Peak
16800.00	48.30	39.31	9.66	36.03	61.24	68.20	-6.96	Peak
22400.00	28.67	44.24	12.73	36.13	49.51	54.00	-4.49	Peak

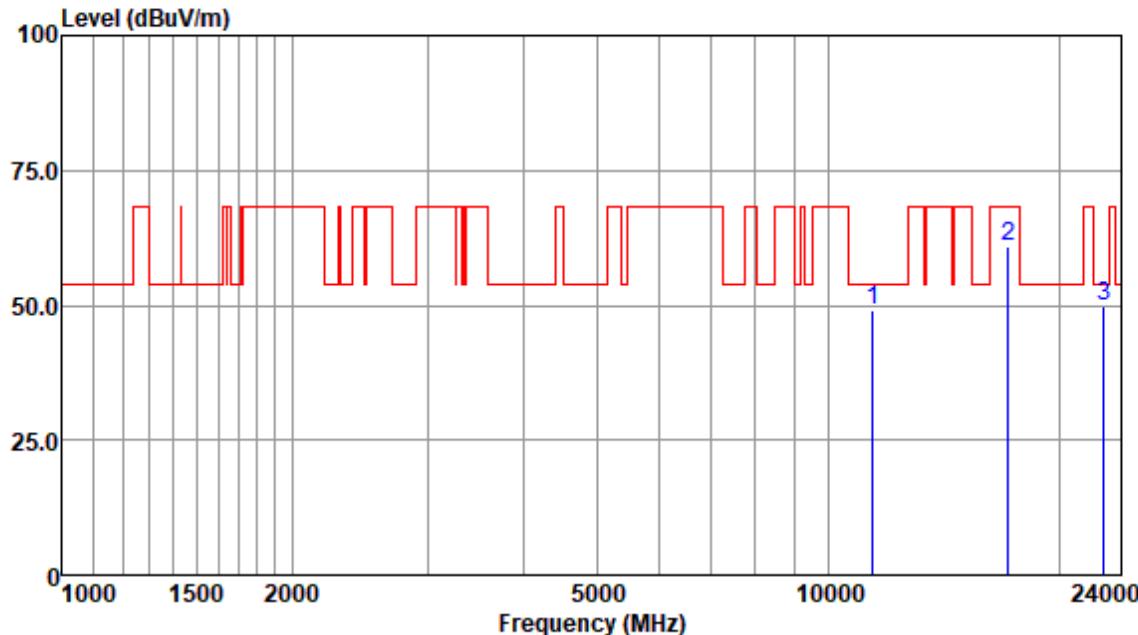
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11400.00	41.64	35.73	7.28	35.74	48.91	54.00	-5.09	Peak
17100.00	46.77	40.12	9.99	36.03	60.85	68.20	-7.35	Peak
22800.00	28.60	44.45	12.94	36.15	49.84	54.00	-4.16	Peak

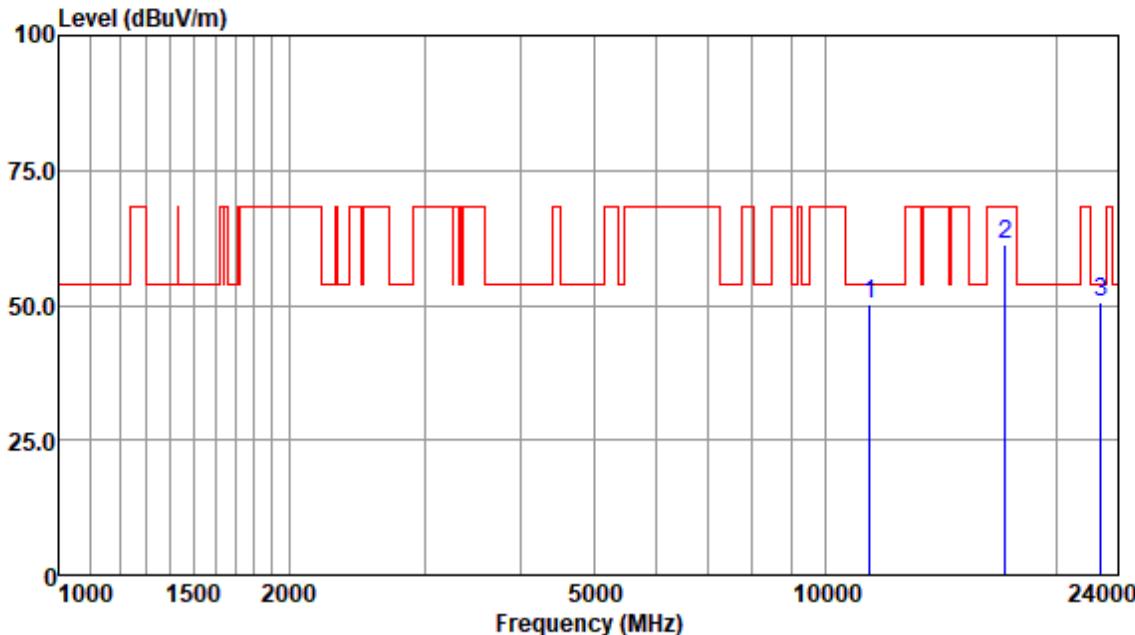
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11400.00	42.95	35.73	7.28	35.74	50.22	54.00	-3.78	Peak
17100.00	47.14	40.12	9.99	36.03	61.22	68.20	-6.98	Peak
22800.00	29.38	44.45	12.94	36.15	50.62	54.00	-3.38	Peak

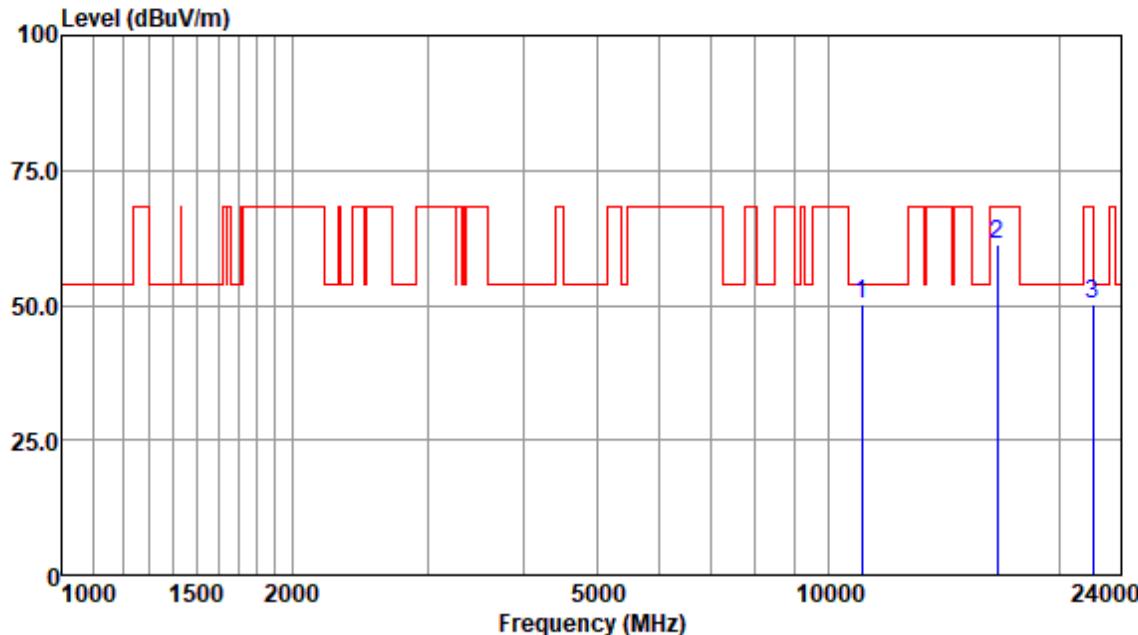
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11020.00	42.91	35.42	6.89	35.08	50.14	54.00	-3.86	Peak
16530.00	49.26	38.61	9.33	36.09	61.11	68.20	-7.09	Peak
22040.00	29.76	44.07	12.56	36.11	50.28	54.00	-3.72	Peak

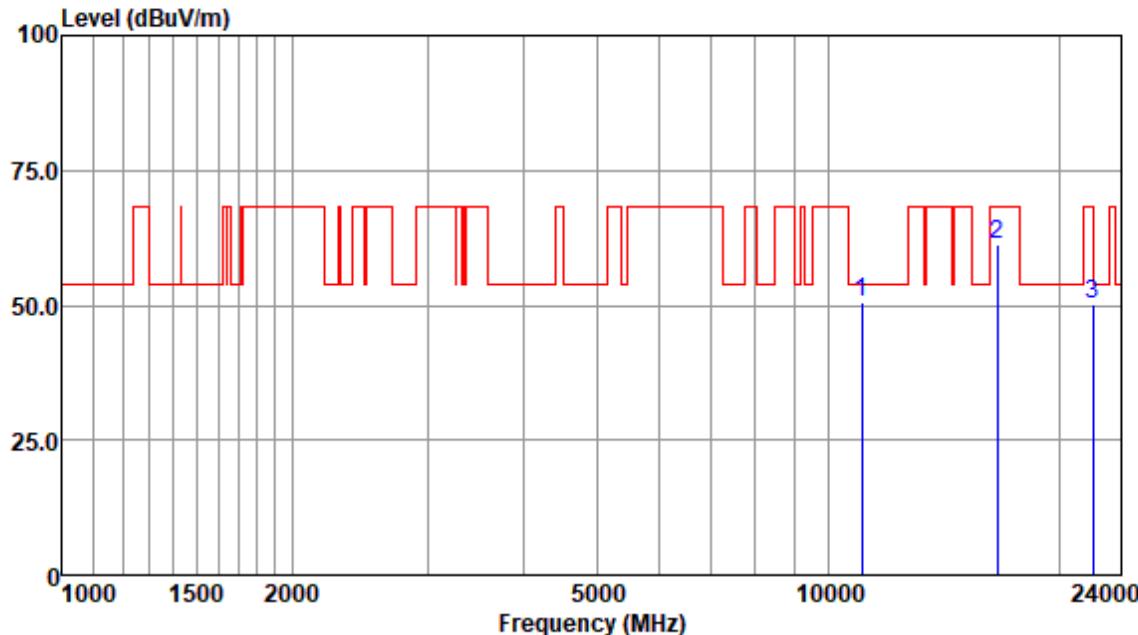
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11020.00	43.38	35.42	6.89	35.08	50.61	54.00	-3.39	Peak
16530.00	49.39	38.61	9.33	36.09	61.24	68.20	-6.96	Peak
22040.00	29.59	44.07	12.56	36.11	50.11	54.00	-3.89	Peak

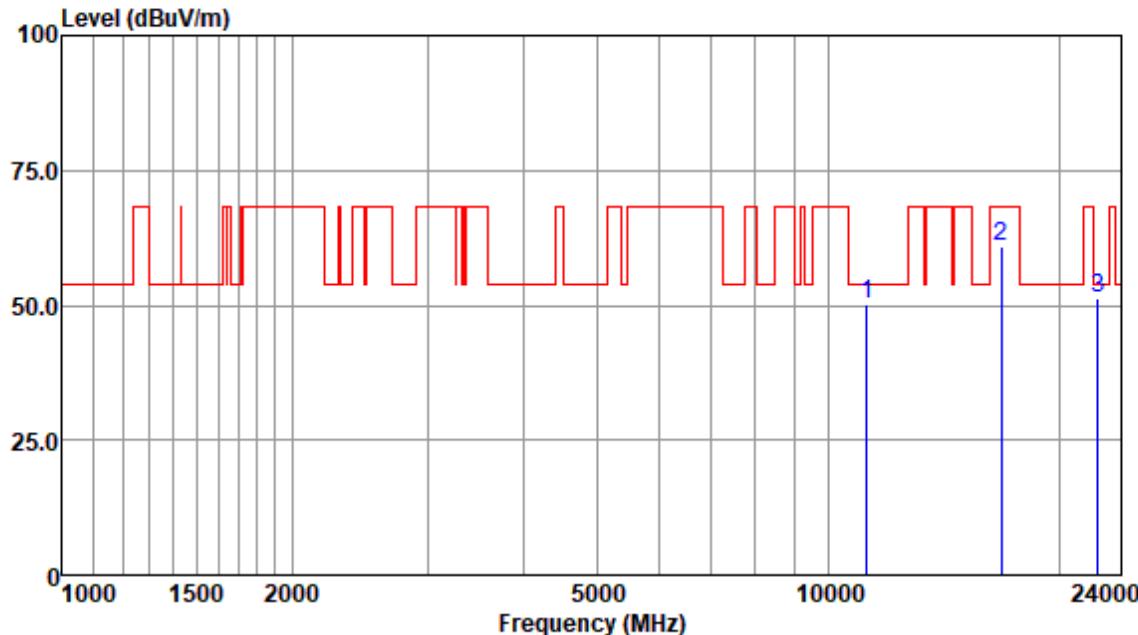
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11180.00	42.84	35.56	7.04	35.33	50.11	54.00	-3.89	Peak
16770.00	48.23	39.15	9.59	36.03	60.94	68.20	-7.26	Peak
22360.00	30.57	44.24	12.73	36.13	51.41	54.00	-2.59	Peak

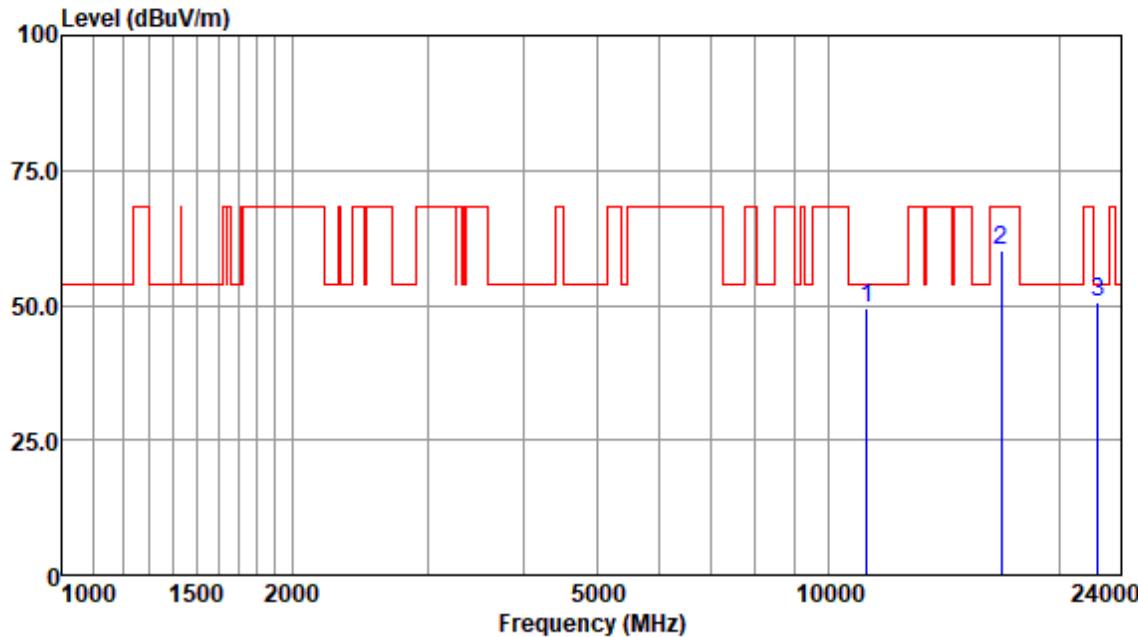
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:middle



Antenna Polarity :VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11180.00	42.34	35.56	7.04	35.33	49.61	54.00	-4.39	Peak
16770.00	47.51	39.15	9.59	36.03	60.22	68.20	-7.98	Peak
22360.00	29.60	44.24	12.73	36.13	50.44	54.00	-3.56	Peak

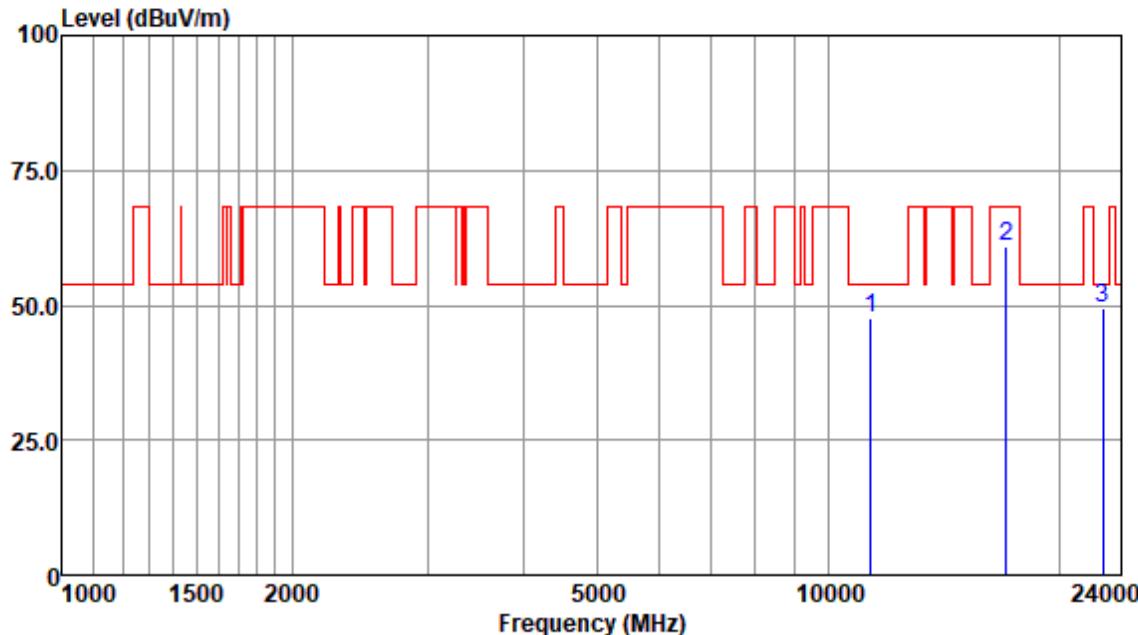
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11340.00	40.35	35.67	7.20	35.60	47.62	54.00	-6.38	Peak
17010.00	47.21	39.96	9.92	36.03	61.06	68.20	-7.14	Peak
22680.00	28.26	44.38	12.87	36.14	49.37	54.00	-4.63	Peak

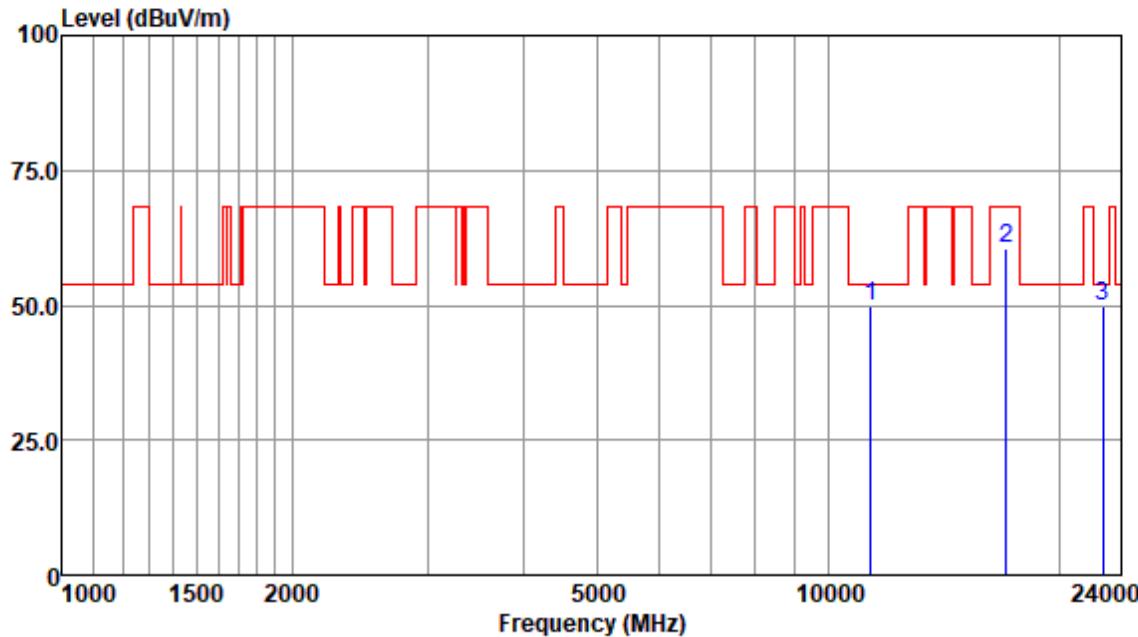
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11340.00	42.39	35.67	7.20	35.60	49.66	54.00	-4.34	Peak
17010.00	46.62	39.96	9.92	36.03	60.47	68.20	-7.73	Peak
22680.00	28.87	44.38	12.87	36.14	49.98	54.00	-4.02	Peak

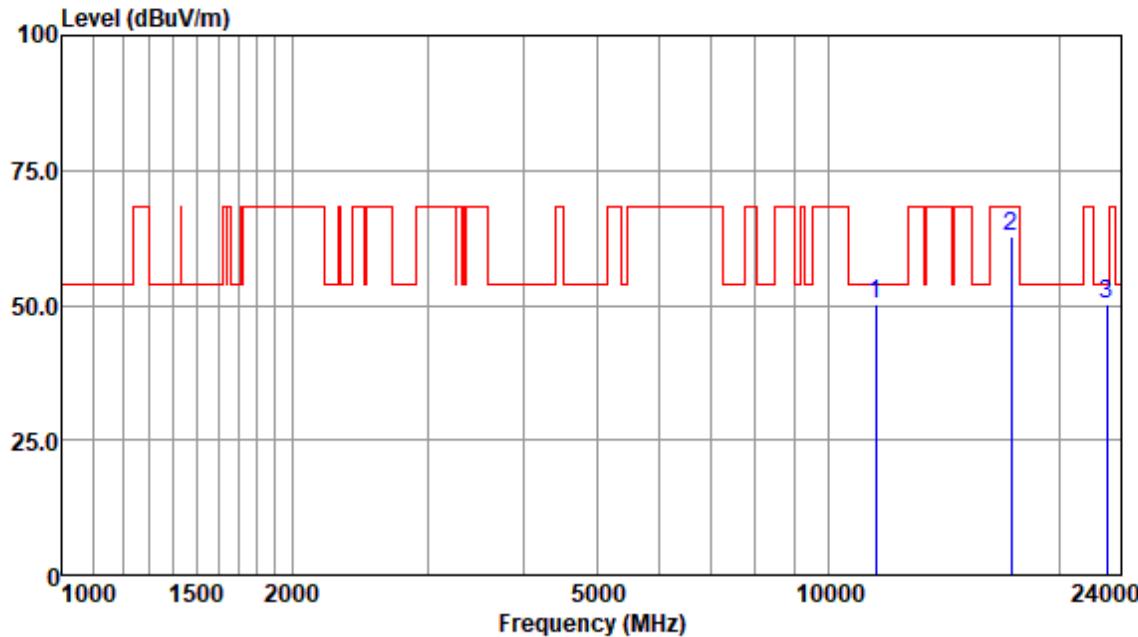
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11490.00	42.87	35.79	7.36	35.88	50.14	54.00	-3.86	Peak
17235.00	47.90	40.60	10.19	36.14	62.55	68.20	-5.65	Peak
22980.00	28.91	44.52	13.01	36.15	50.29	54.00	-3.71	Peak

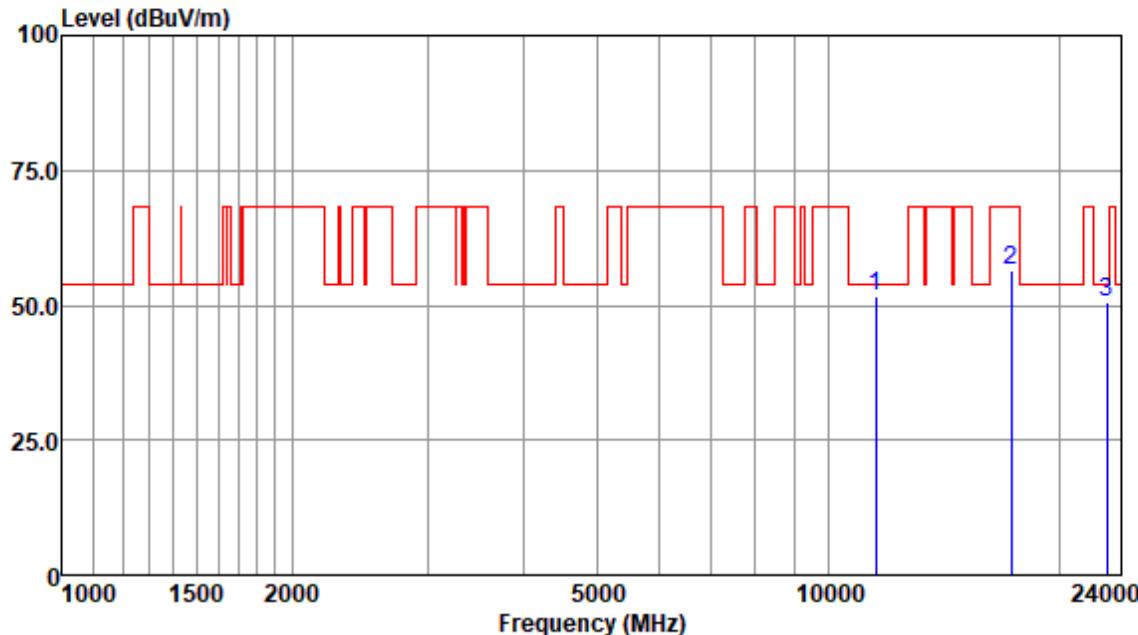
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11490.00	44.39	35.79	7.36	35.88	51.66	54.00	-2.34	Peak
17235.00	41.83	40.60	10.19	36.14	56.48	68.20	-11.72	Peak
22980.00	29.09	44.52	13.01	36.15	50.47	54.00	-3.53	Peak

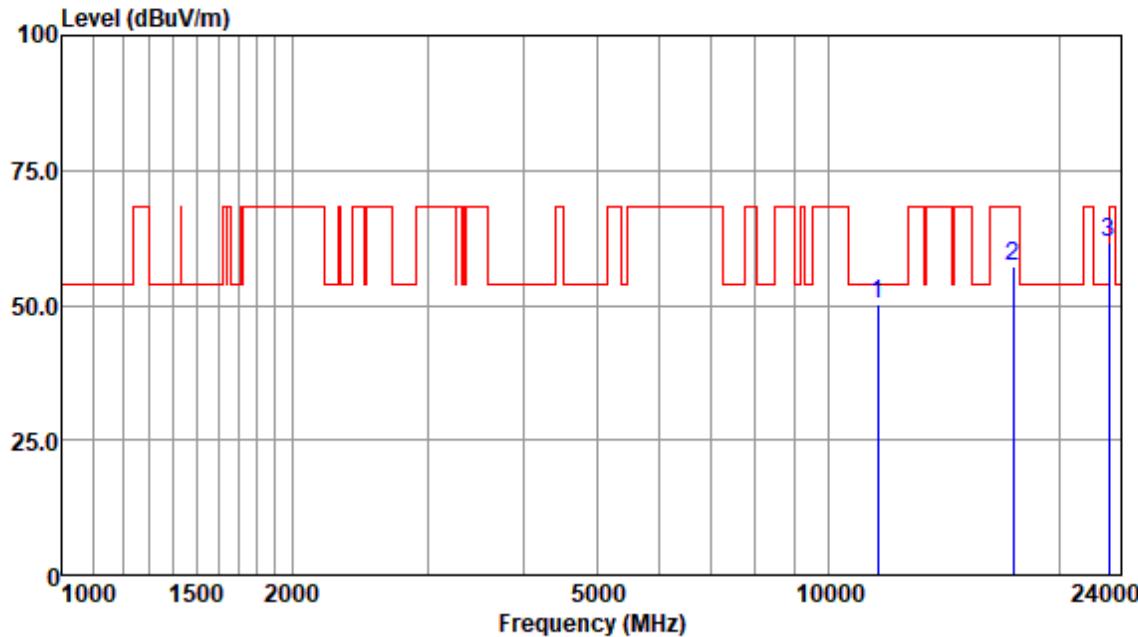
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11570.00	43.07	35.78	7.44	36.02	50.27	54.00	-3.73	Peak
17355.00	42.13	40.95	10.32	36.25	57.15	68.20	-11.05	Peak
23140.00	39.87	44.62	13.12	36.16	61.45	68.20	-6.75	Peak

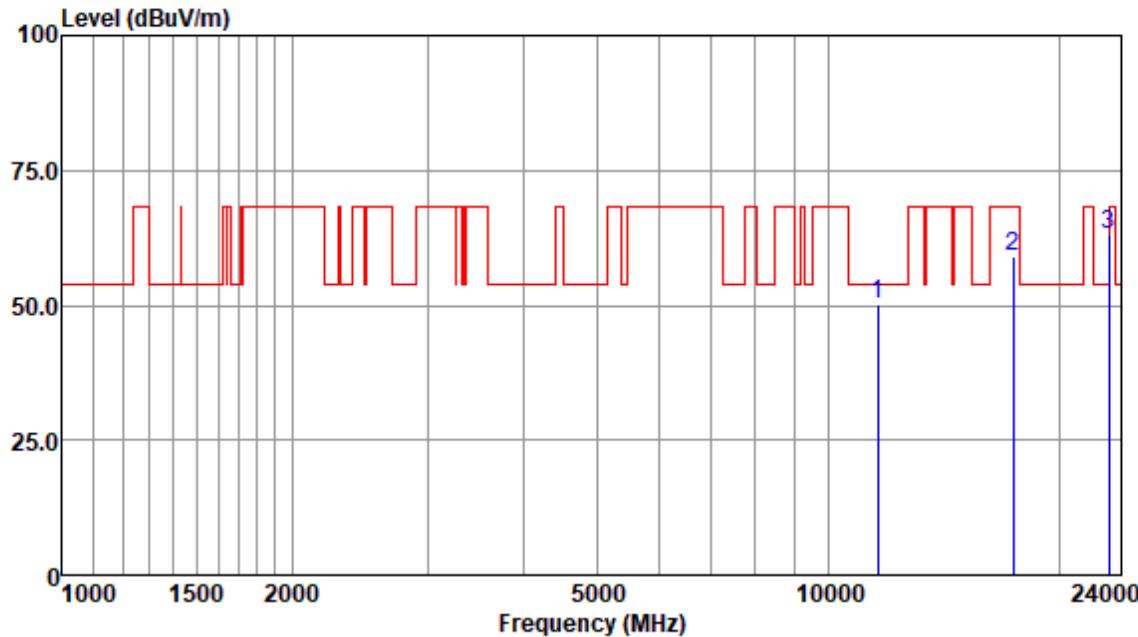
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:middle



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11570.00	43.02	35.78	7.44	36.02	50.22	54.00	-3.78	Peak
17355.00	44.15	40.95	10.32	36.25	59.17	68.20	-9.03	Peak
23140.00	41.64	44.62	13.12	36.16	63.22	68.20	-4.98	Peak

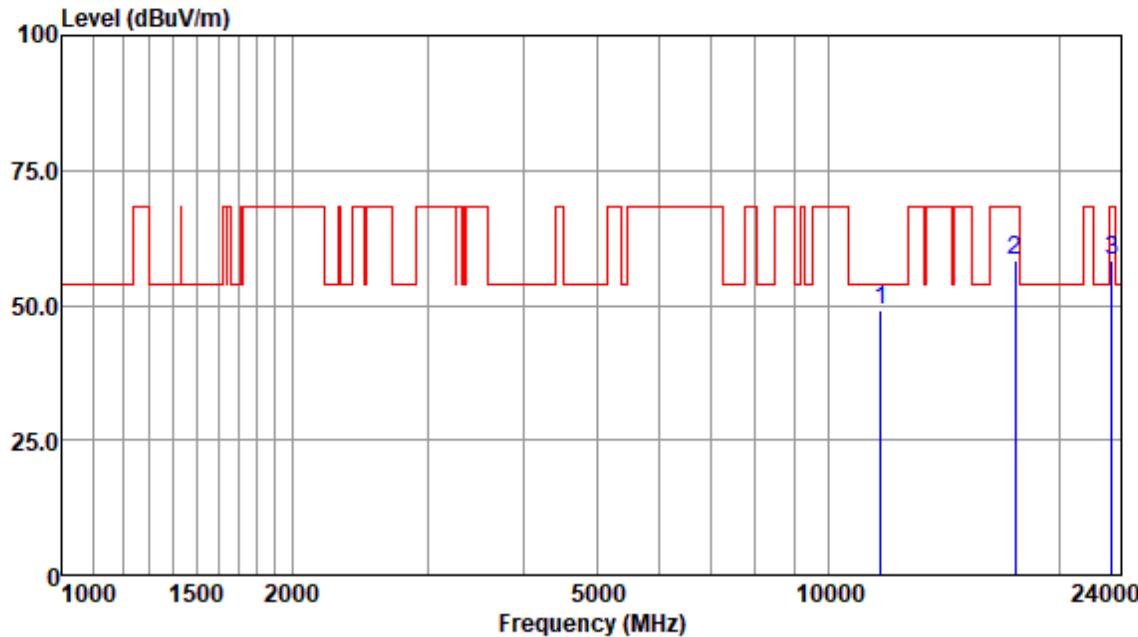
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11650.00	42.15	35.77	7.56	36.23	49.25	54.00	-4.75	Peak
17475.00	42.76	41.30	10.45	36.37	58.14	68.20	-10.06	Peak
23300.00	36.43	44.69	13.19	36.17	58.14	68.20	-10.06	Peak

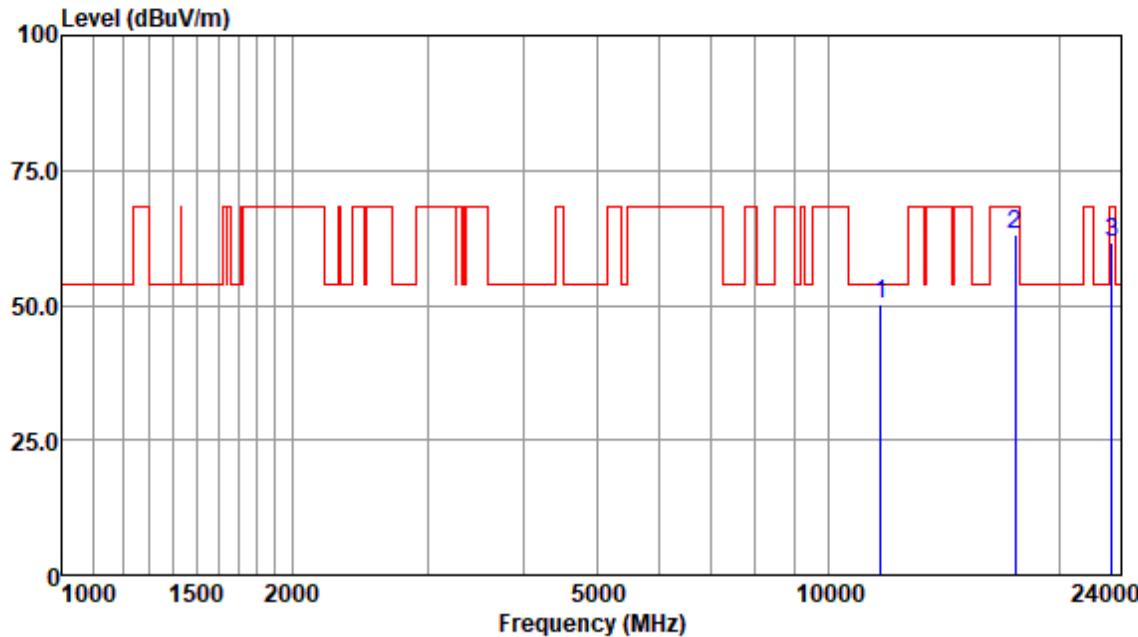
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11650.00	43.07	35.77	7.56	36.23	50.17	54.00	-3.83	Peak
17475.00	47.86	41.30	10.45	36.37	63.24	68.20	-4.96	Peak
23300.00	39.76	44.69	13.19	36.17	61.47	68.20	-6.73	Peak

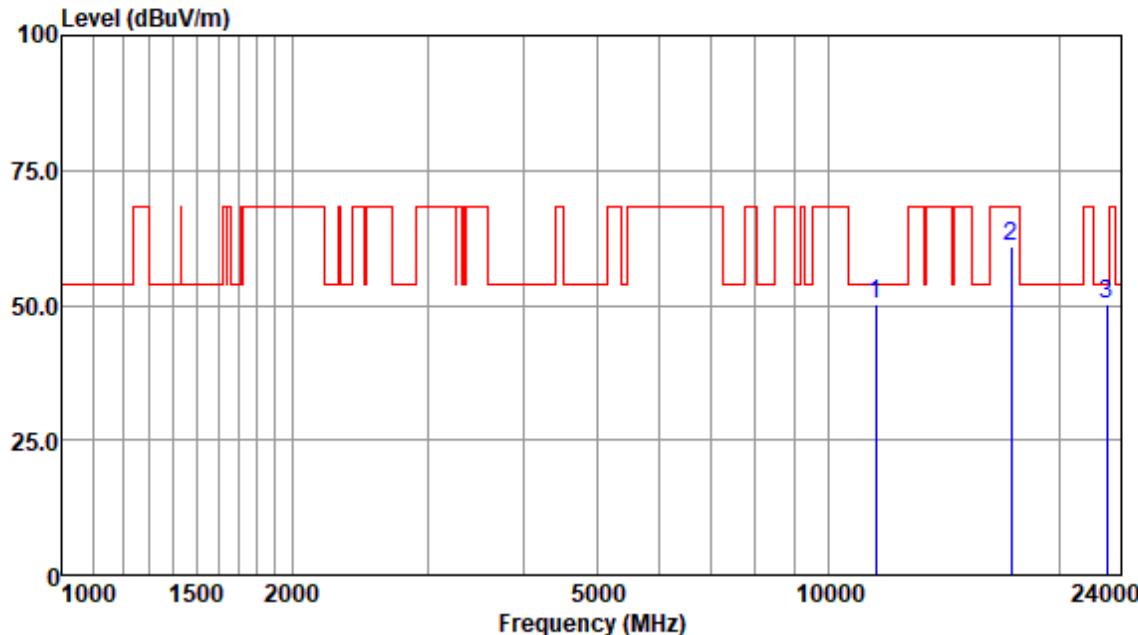
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11490.00	42.87	35.79	7.36	35.88	50.14	54.00	-3.86	Peak
17235.00	46.31	40.60	10.19	36.14	60.96	68.20	-7.24	Peak
22980.00	28.84	44.52	13.01	36.15	50.22	54.00	-3.78	Peak

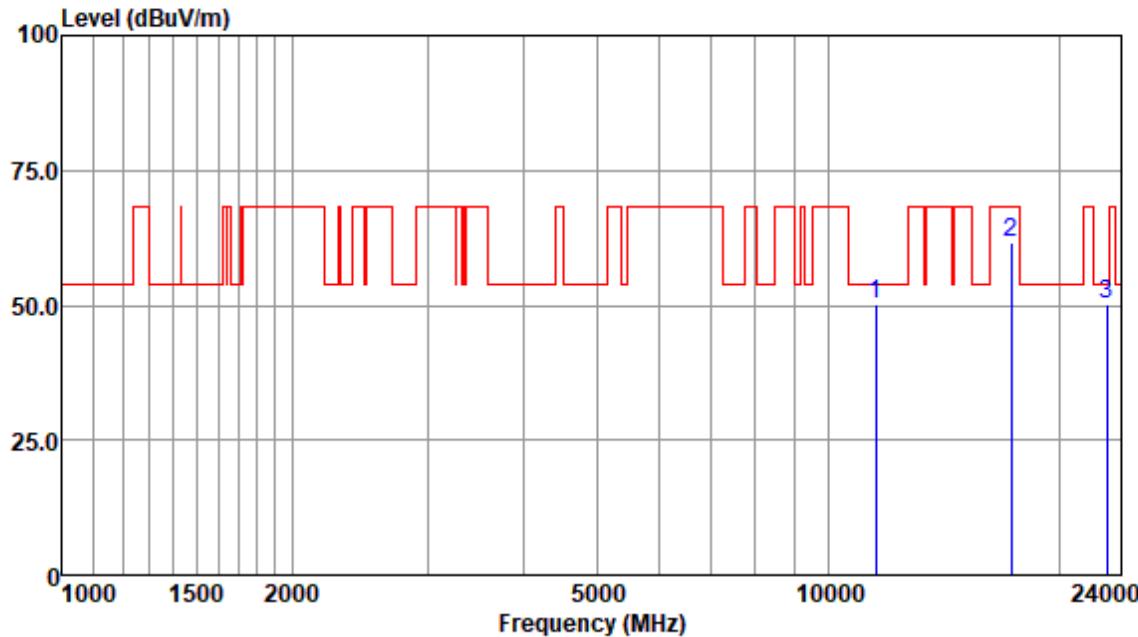
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11490.00	42.95	35.79	7.36	35.88	50.22	54.00	-3.78	Peak
17235.00	47.01	40.60	10.19	36.14	61.66	68.20	-6.54	Peak
22980.00	28.88	44.52	13.01	36.15	50.26	54.00	-3.74	Peak

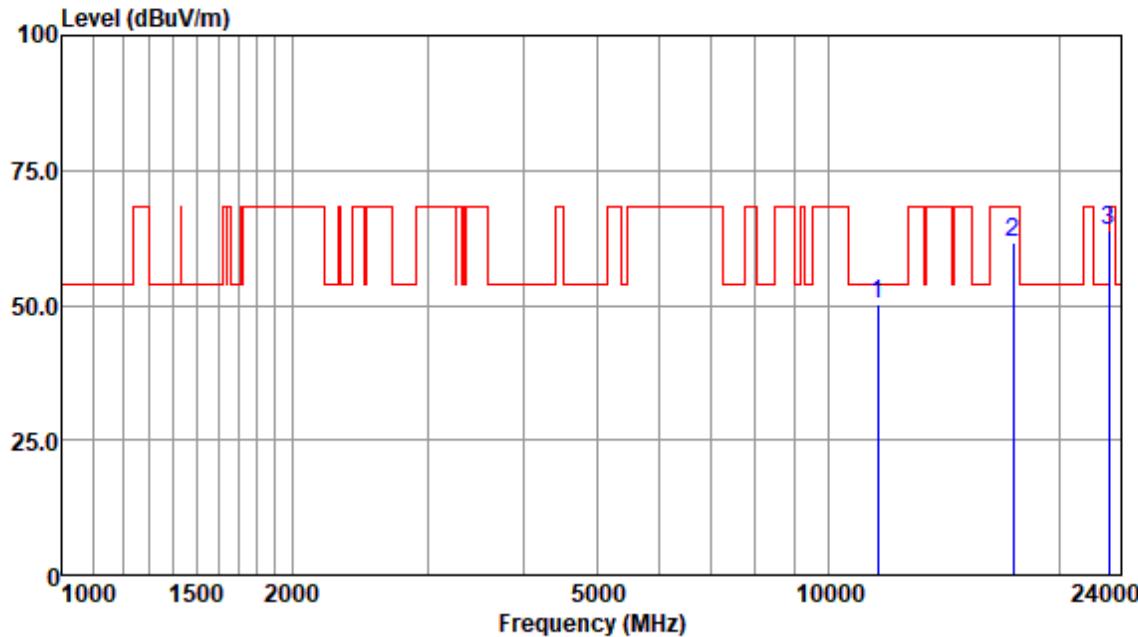
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11570.00	43.07	35.78	7.44	36.02	50.27	54.00	-3.73	Peak
17355.00	46.64	40.95	10.32	36.25	61.66	68.20	-6.54	Peak
23140.00	42.08	44.62	13.12	36.16	63.66	68.20	-4.54	Peak

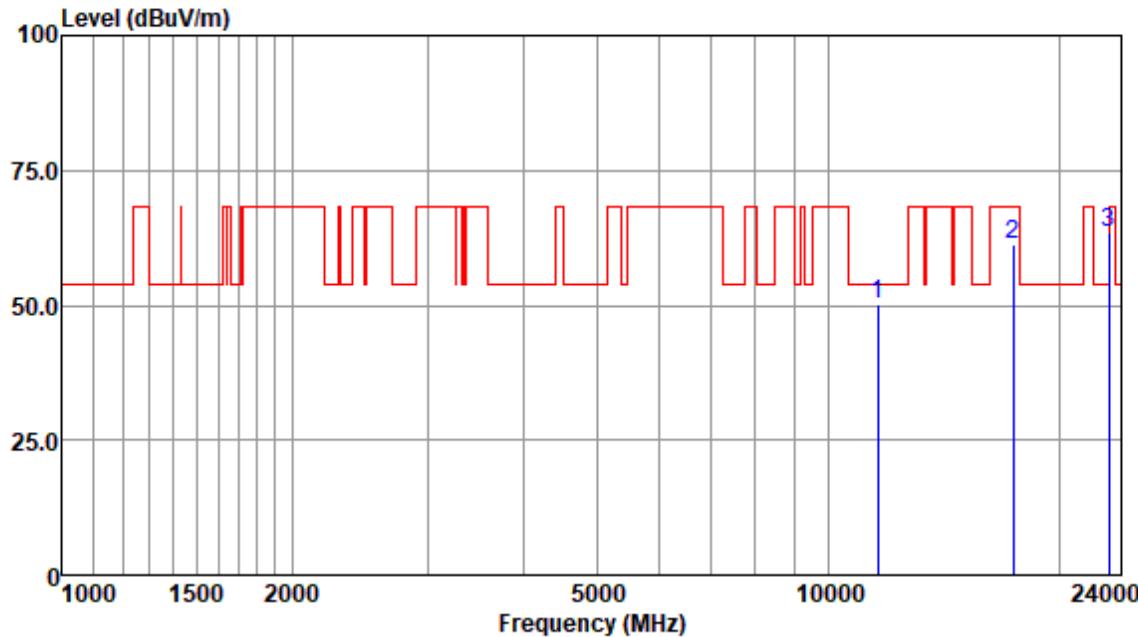
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11570.00	42.97	35.78	7.44	36.02	50.17	54.00	-3.83	Peak
17355.00	46.32	40.95	10.32	36.25	61.34	68.20	-6.86	Peak
23140.00	42.01	44.62	13.12	36.16	63.59	68.20	-4.61	Peak

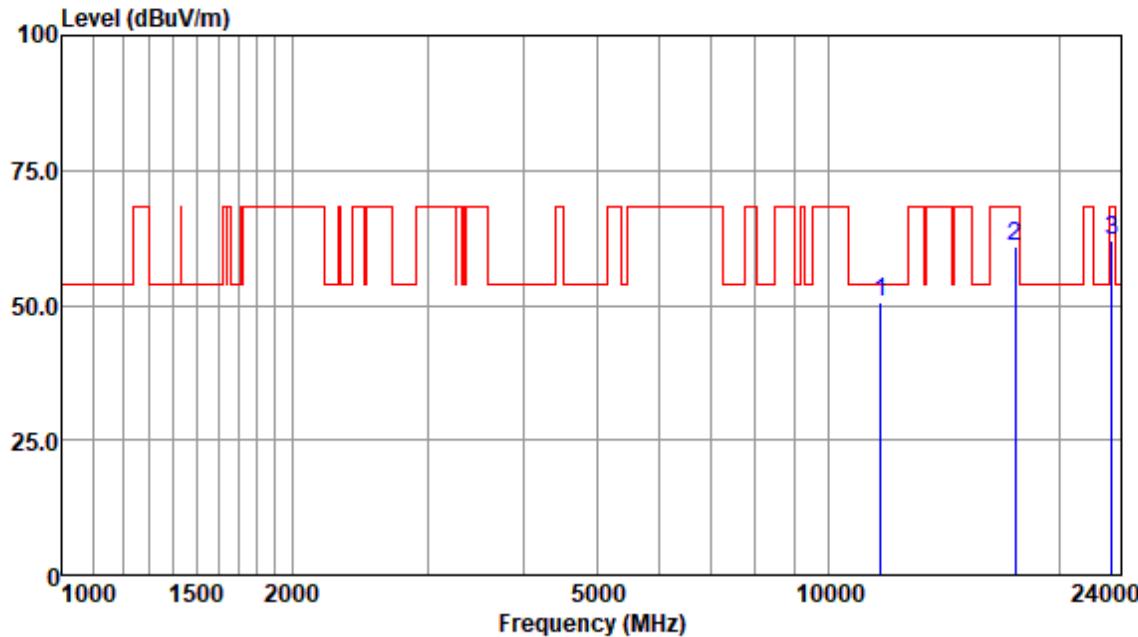
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11650.00	43.56	35.77	7.56	36.23	50.66	54.00	-3.34	Peak
17475.00	45.33	41.30	10.45	36.37	60.71	68.20	-7.49	Peak
23300.00	40.17	44.69	13.19	36.17	61.88	68.20	-6.32	Peak

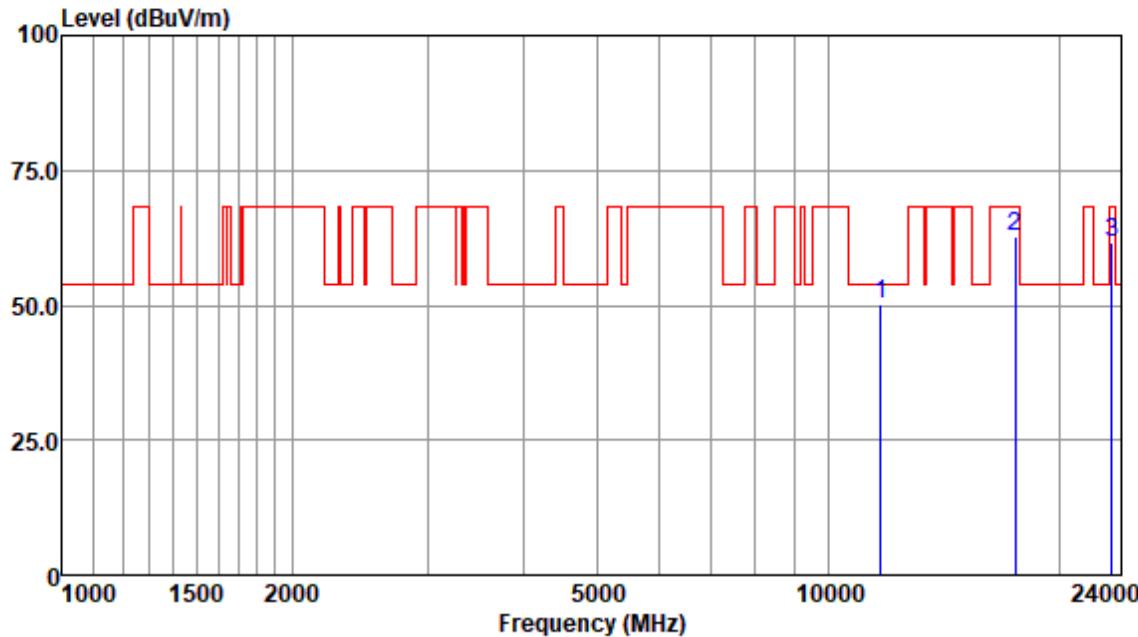
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11650.00	43.07	35.77	7.56	36.23	50.17	54.00	-3.83	Peak
17475.00	47.21	41.30	10.45	36.37	62.59	68.20	-5.61	Peak
23300.00	39.73	44.69	13.19	36.17	61.44	68.20	-6.76	Peak

Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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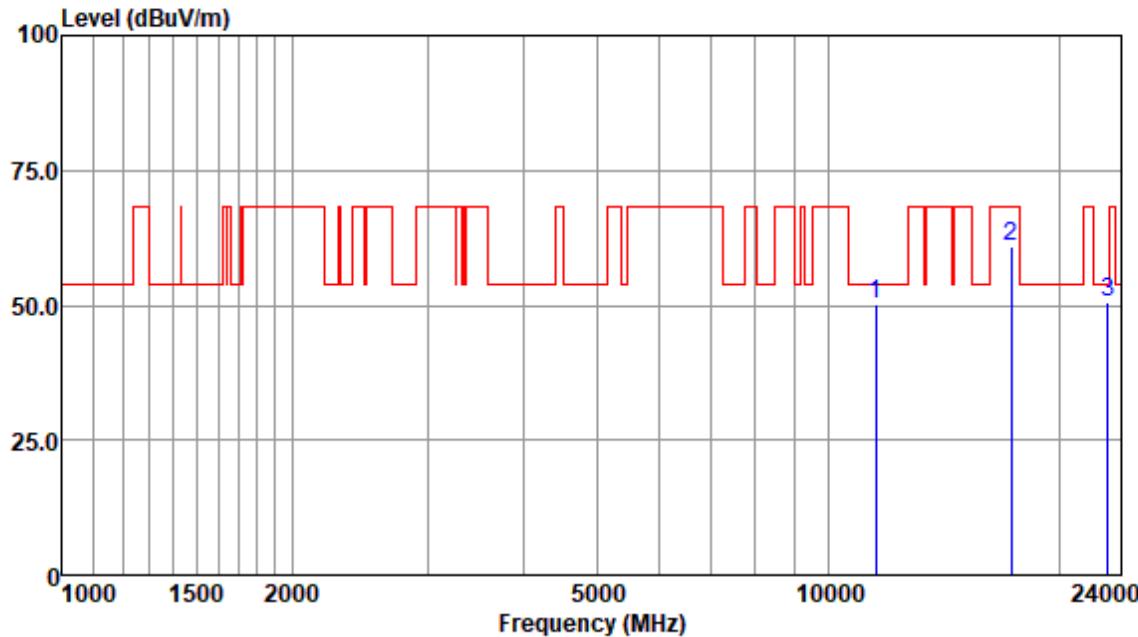
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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11510.00	42.89	35.78	7.40	35.95	50.12	54.00	-3.88	Peak
17265.00	46.19	40.60	10.19	36.14	60.84	68.20	-7.36	Peak
23020.00	29.27	44.55	13.05	36.16	50.71	54.00	-3.29	Peak

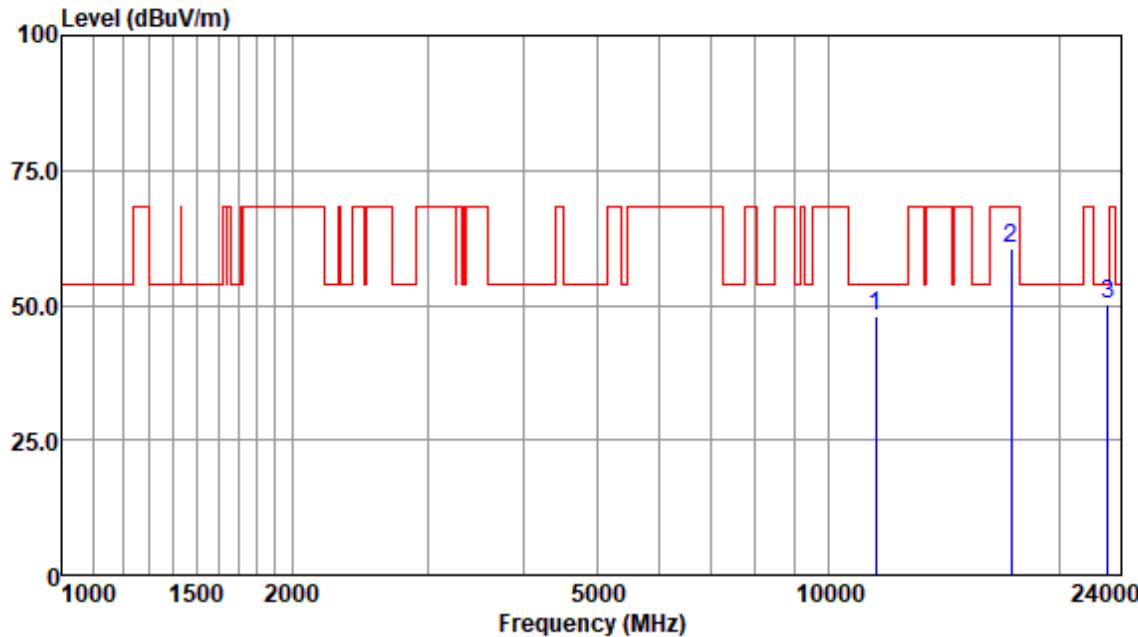
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11510.00	40.92	35.78	7.40	35.95	48.15	54.00	-5.85	Peak
17265.00	45.99	40.60	10.19	36.14	60.64	68.20	-7.56	Peak
23020.00	28.70	44.55	13.05	36.16	50.14	54.00	-3.86	Peak

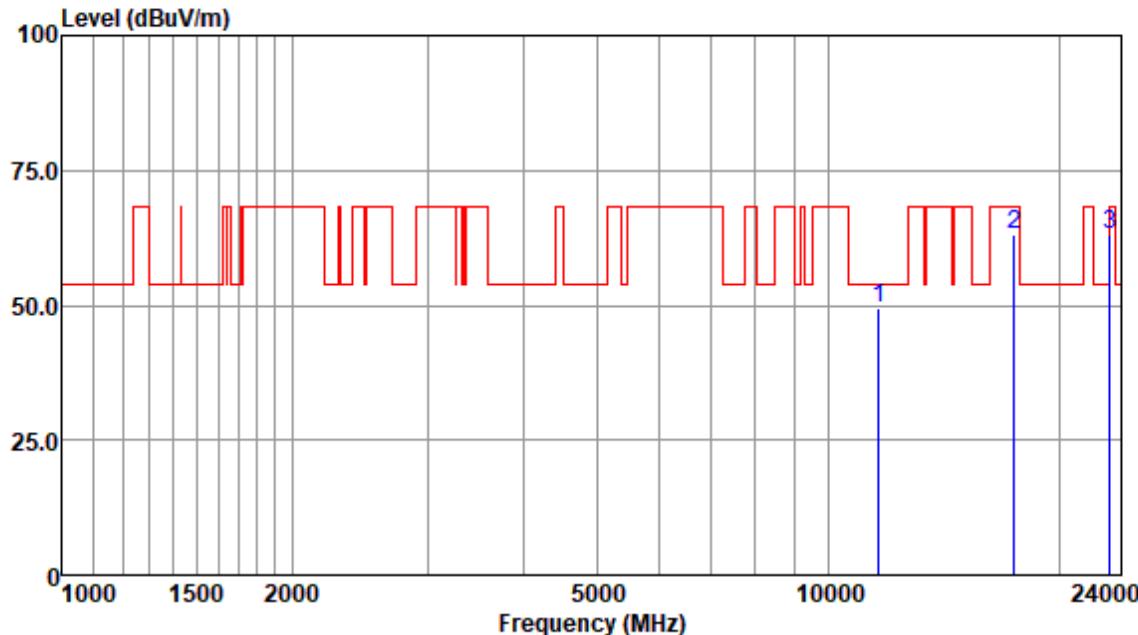
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11590.00	42.39	35.78	7.48	36.09	49.56	54.00	-4.44	Peak
17385.00	47.99	41.12	10.39	36.31	63.19	68.20	-5.01	Peak
23180.00	41.64	44.62	13.12	36.16	63.22	68.20	-4.98	Peak

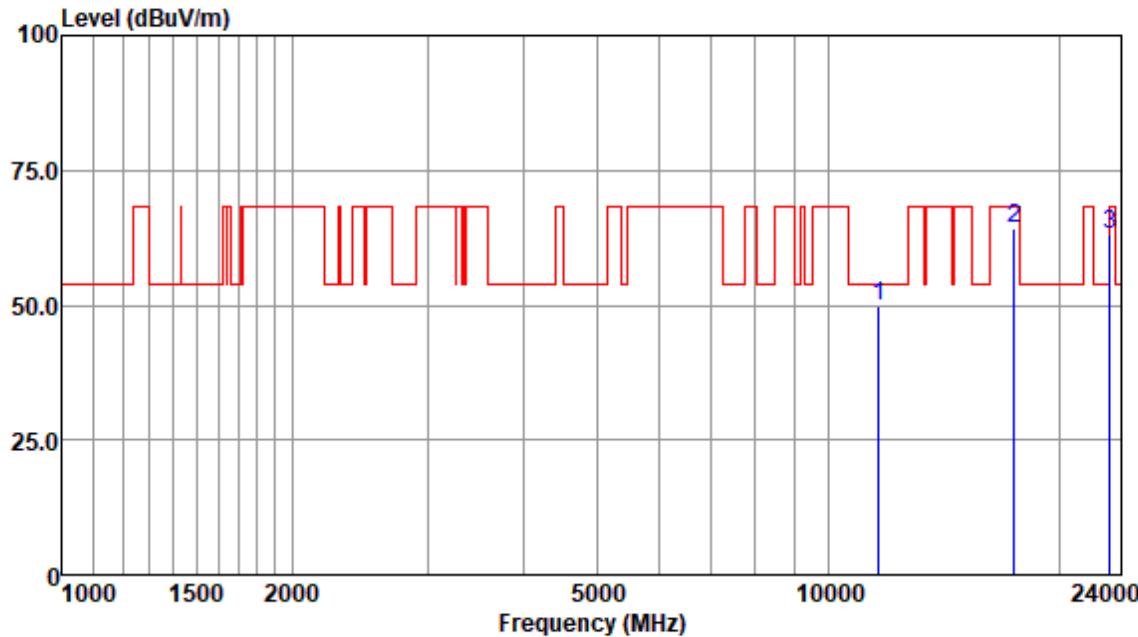
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity :VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
11590.00	42.49	35.78	7.48	36.09	49.66	54.00	-4.34	Peak
17385.00	48.98	41.12	10.39	36.31	64.18	68.20	-4.02	Peak
23180.00	41.58	44.62	13.12	36.16	63.16	68.20	-5.04	Peak

Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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7.3 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & Subpart E 15.407(b)

Test Method: KDB 789033 D02 II G

Limit:

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
30-88	100	3
88-216	150	3
216-960	200	3
Above 960	500	3

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

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

(3) For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(4) For transmitters operating in the 5.725-5.85 GHz band:

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

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 20.9 °C Humidity: 65.3 % RH Atmospheric Pressure: 1010 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description

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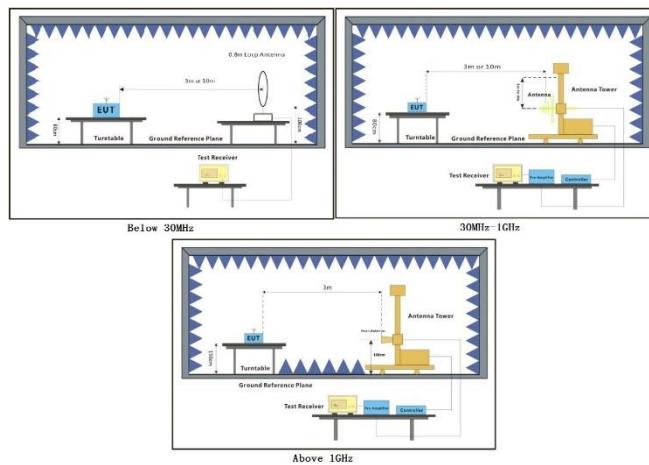
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Final test	03	TX mode (U-NII-1)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	04	TX mode (U-NII-2A)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	05	TX mode (U-NII-2C)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	06	TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.3.3 Test Setup Diagram



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7.3.4 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



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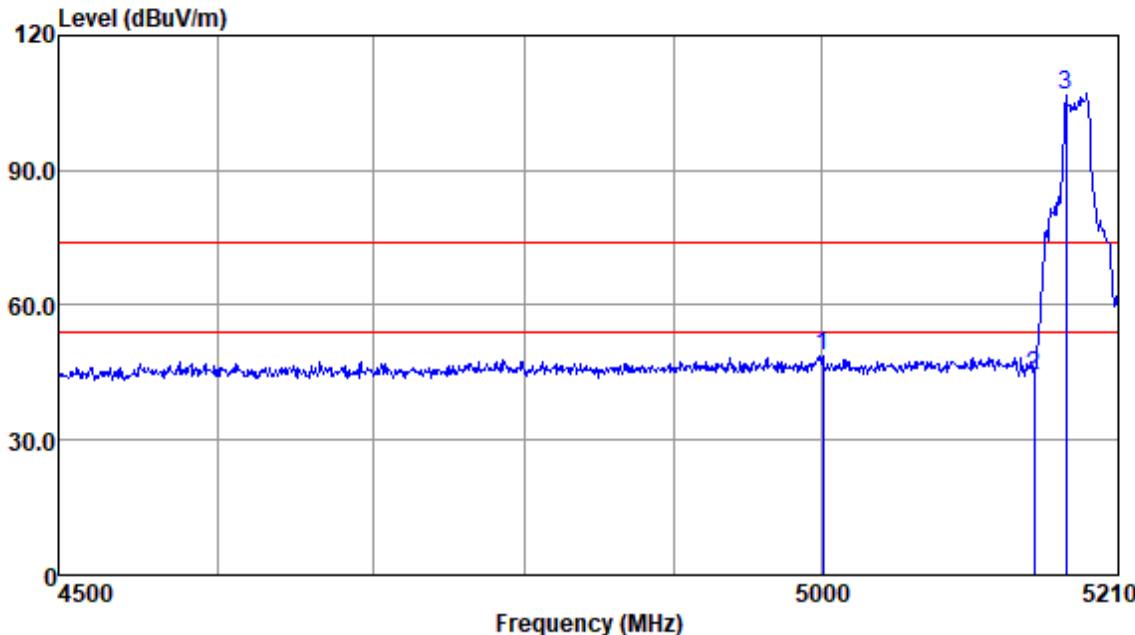
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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5001.34	44.40	33.69	7.47	36.84	48.72	74.00	-25.28	Peak
5150.00	40.02	33.78	7.48	36.88	44.40	74.00	-29.60	Peak
5172.73	102.42	33.87	7.48	36.89	106.88	74.00	32.88	Peak

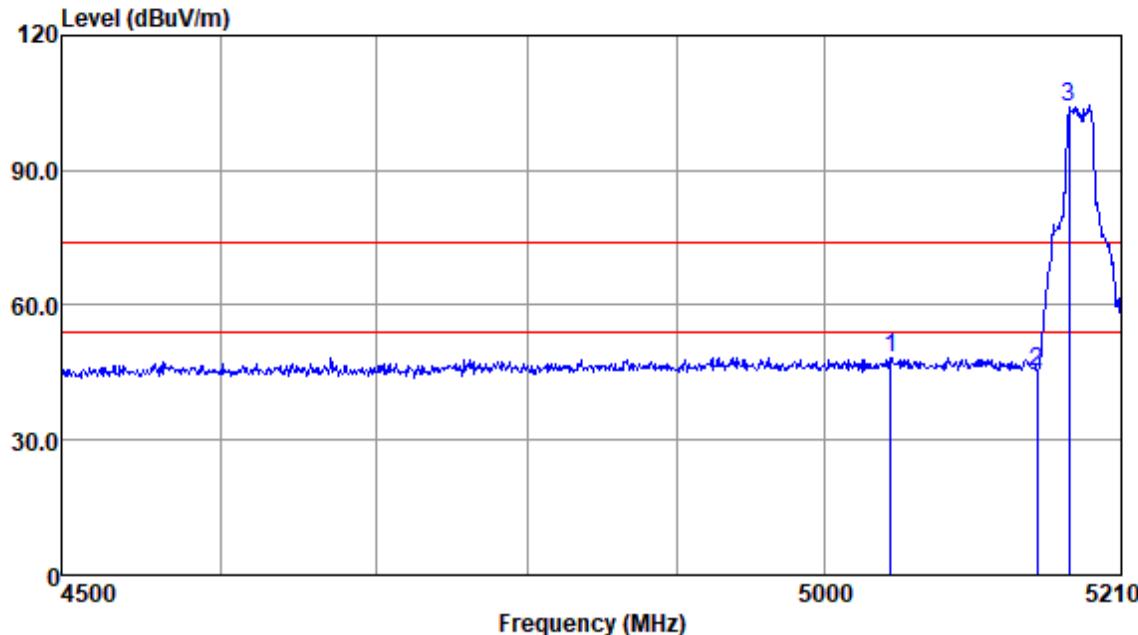
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5046.23	44.02	33.69	7.47	36.85	48.33	74.00	-25.67	Peak
5150.00	40.73	33.78	7.48	36.88	45.11	74.00	-28.89	Peak
5172.73	99.63	33.87	7.48	36.89	104.09	74.00	30.09	Peak

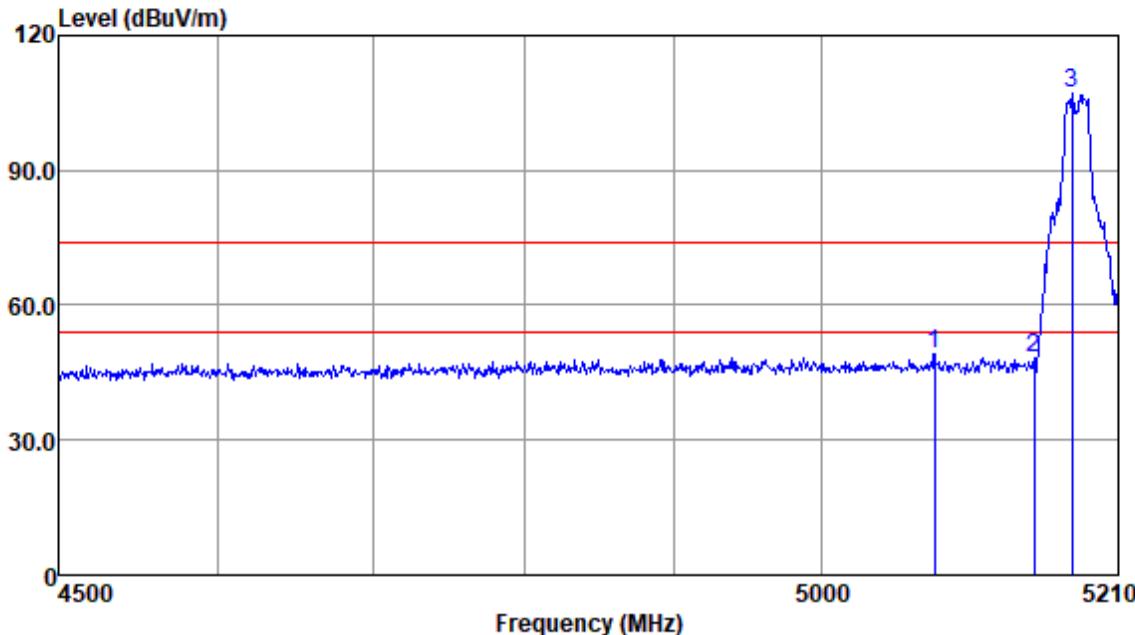
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5079.61	44.90	33.68	7.47	36.86	49.19	74.00	-24.81	Peak
5150.00	44.01	33.78	7.48	36.88	48.39	74.00	-25.61	Peak
5176.52	102.69	33.87	7.48	36.89	107.15	74.00	33.15	Peak

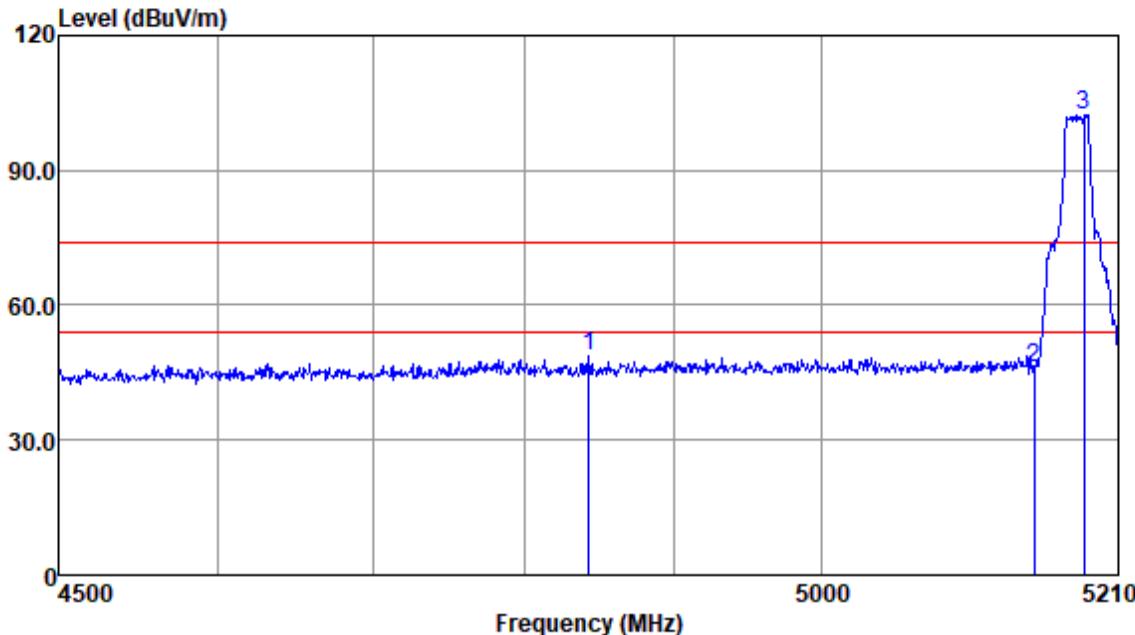
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
4842.00	44.25	33.66	7.46	36.80	48.57	74.00	-25.43	Peak
5150.00	41.84	33.78	7.48	36.88	46.22	74.00	-27.78	Peak
5185.63	97.84	33.87	7.48	36.89	102.30	74.00	28.30	Peak

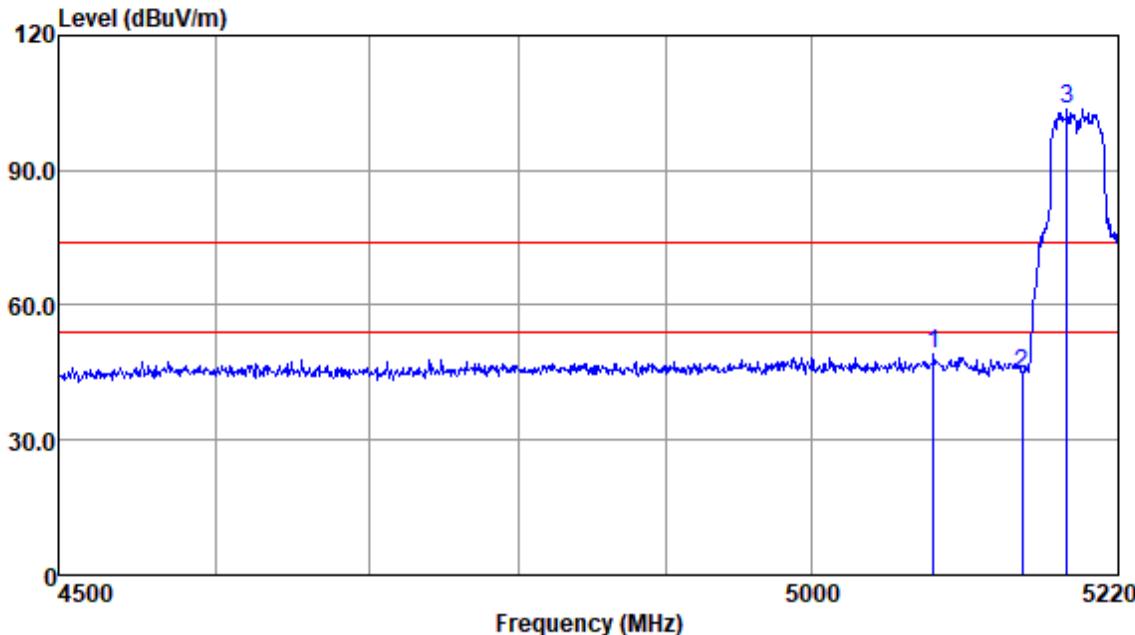
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5086.92	44.67	33.67	7.47	36.87	48.94	74.00	-25.06	Peak
5150.00	40.43	33.78	7.48	36.88	44.81	74.00	-29.19	Peak
5182.94	99.16	33.87	7.48	36.89	103.62	74.00	29.62	Peak

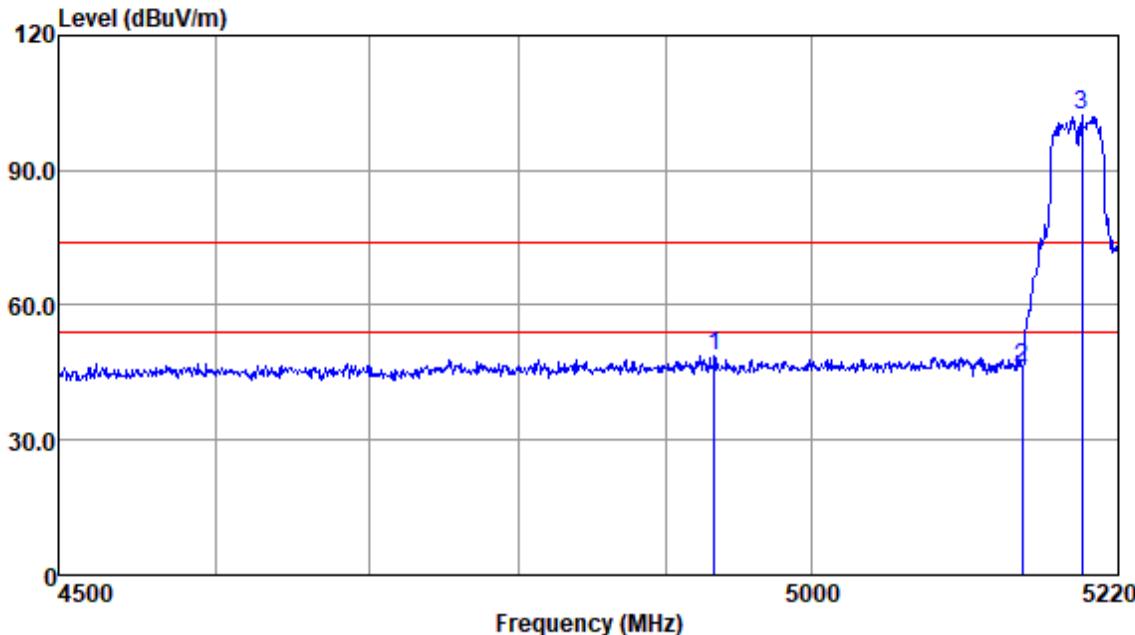
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 03; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
4933.01	44.59	33.64	7.46	36.82	48.87	74.00	-25.13	Peak
5150.00	41.76	33.78	7.48	36.88	46.14	74.00	-27.86	Peak
5193.73	97.60	33.91	7.48	36.89	102.10	74.00	28.10	Peak

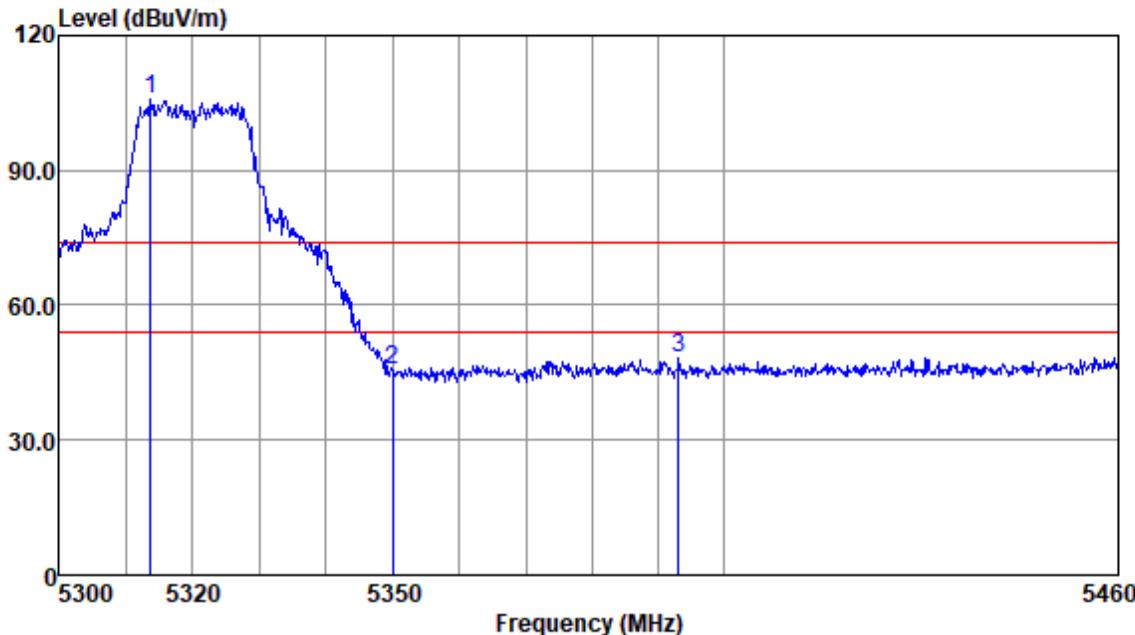
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5313.73	100.99	34.16	7.48	36.93	105.70	74.00	31.70	Peak
5350.00	40.82	34.19	7.49	36.94	45.56	74.00	-28.44	Peak
5393.02	43.29	34.34	7.49	36.95	48.17	74.00	-25.83	Peak

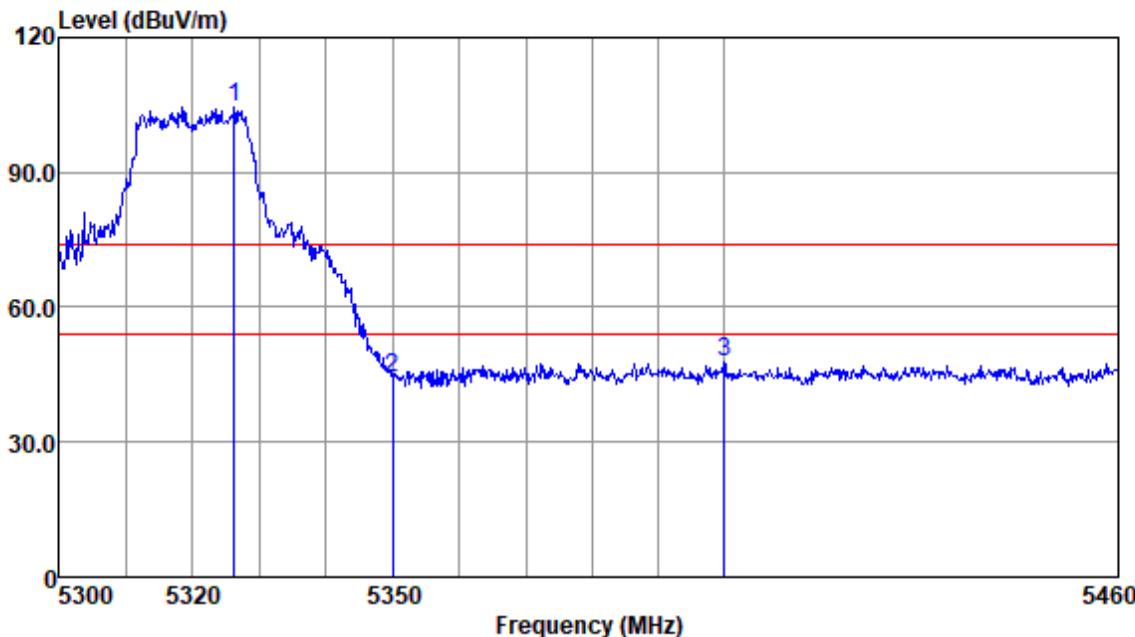
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 04; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5326.23	99.87	34.17	7.48	36.93	104.59	74.00	30.59	Peak
5350.00	39.50	34.19	7.49	36.94	44.24	74.00	-29.76	Peak
5399.92	42.74	34.34	7.49	36.95	47.62	74.00	-26.38	Peak

Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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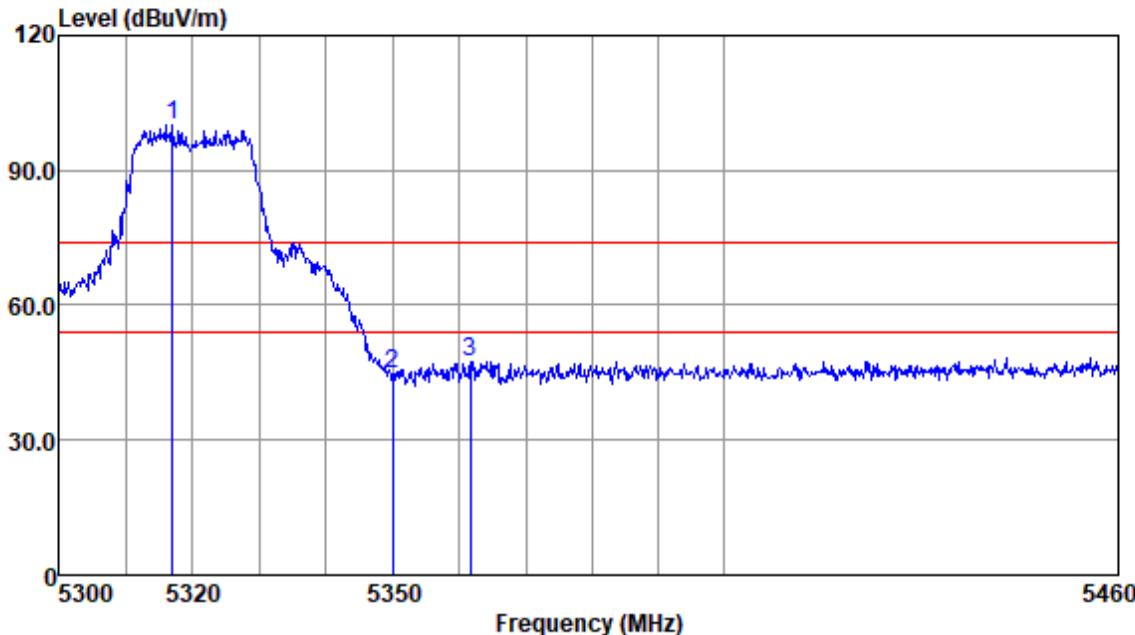
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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5317.05	95.41	34.16	7.48	36.93	100.12	74.00	26.12	Peak
5350.00	39.79	34.19	7.49	36.94	44.53	74.00	-29.47	Peak
5361.68	42.74	34.24	7.49	36.94	47.53	74.00	-26.47	Peak

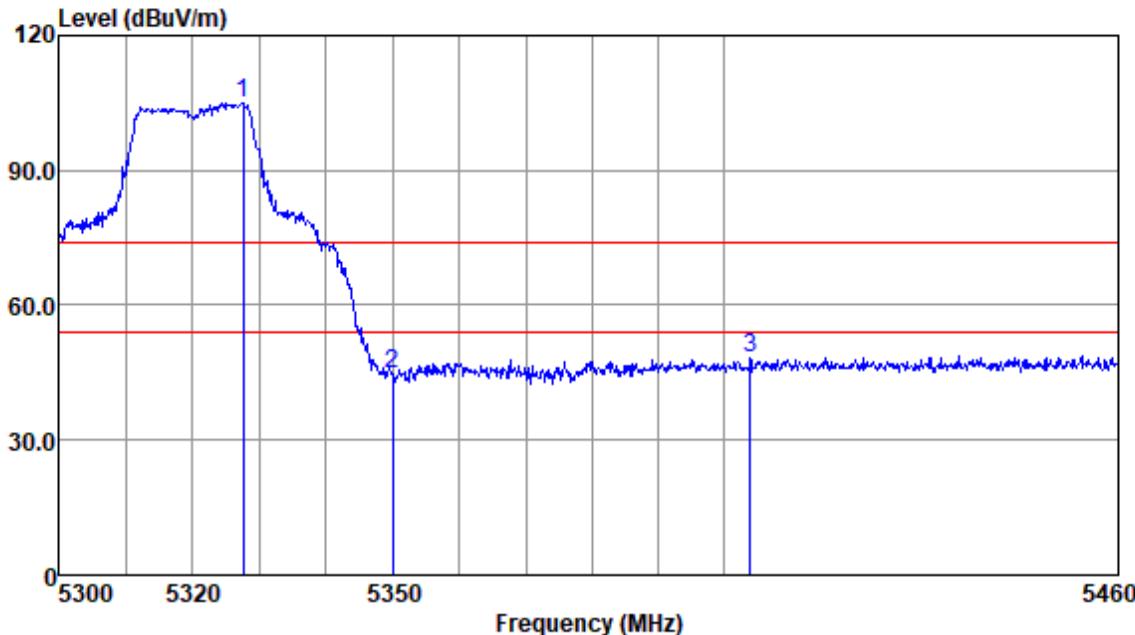
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5327.50	100.35	34.17	7.48	36.93	105.07	74.00	31.07	Peak
5350.00	39.85	34.19	7.49	36.94	44.59	74.00	-29.41	Peak
5403.94	43.23	34.36	7.49	36.95	48.13	74.00	-25.87	Peak

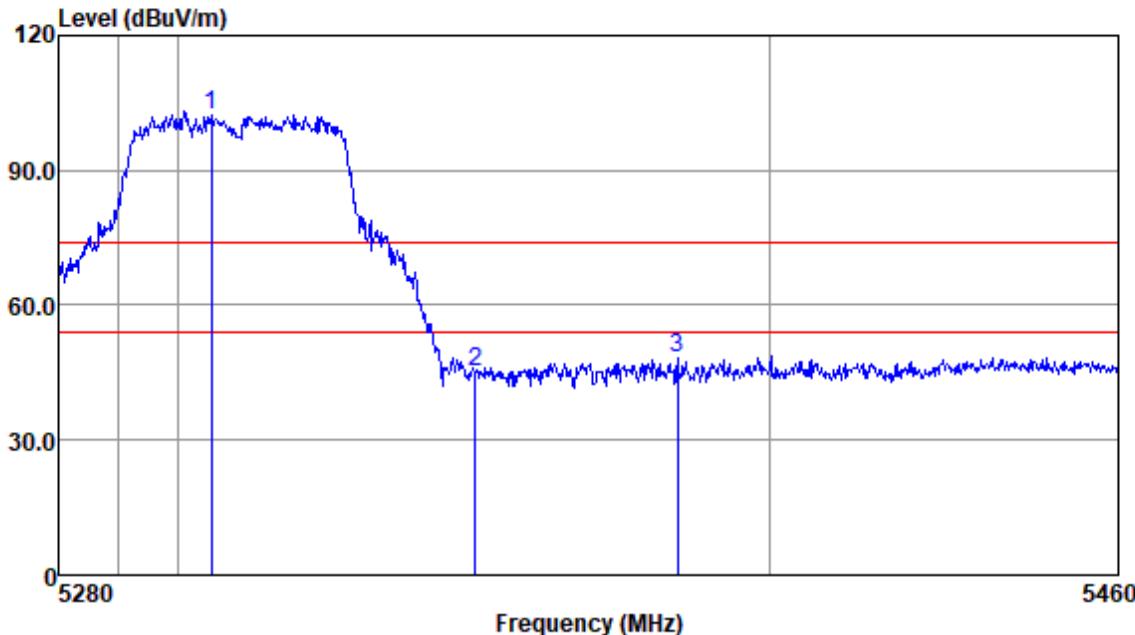
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 04; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5305.55	97.52	34.14	7.48	36.92	102.22	74.00	28.22	Peak
5350.00	40.45	34.19	7.49	36.94	45.19	74.00	-28.81	Peak
5384.39	43.37	34.29	7.49	36.95	48.20	74.00	-25.80	Peak

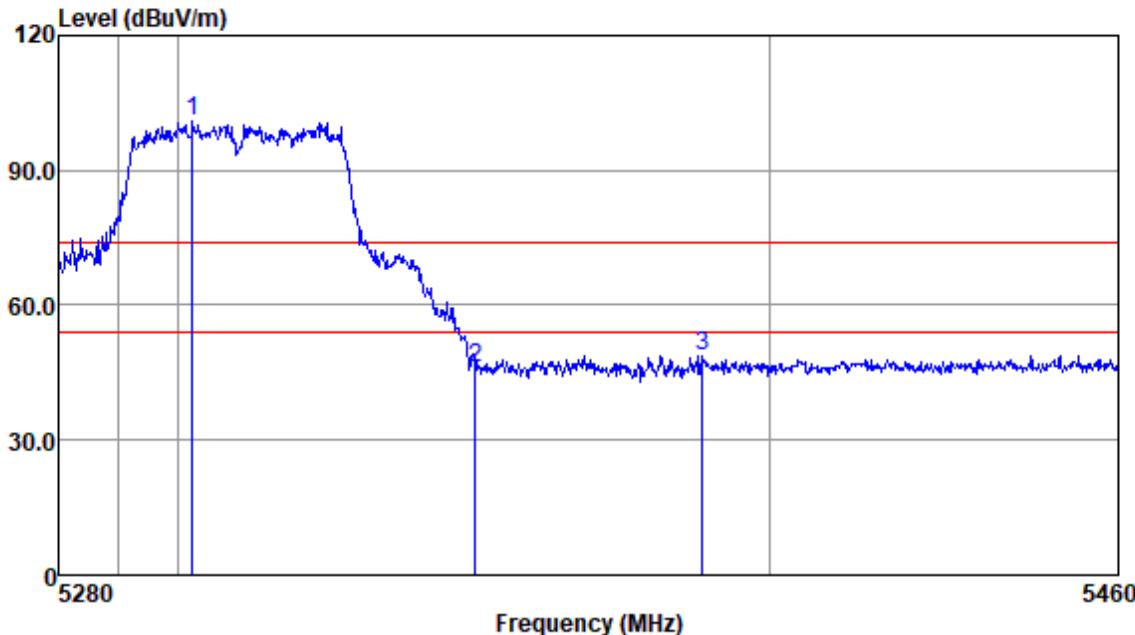
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 04; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5302.35	96.06	34.14	7.48	36.92	100.76	74.00	26.76	Peak
5350.00	41.31	34.19	7.49	36.94	46.05	74.00	-27.95	Peak
5388.72	43.91	34.34	7.49	36.95	48.79	74.00	-25.21	Peak

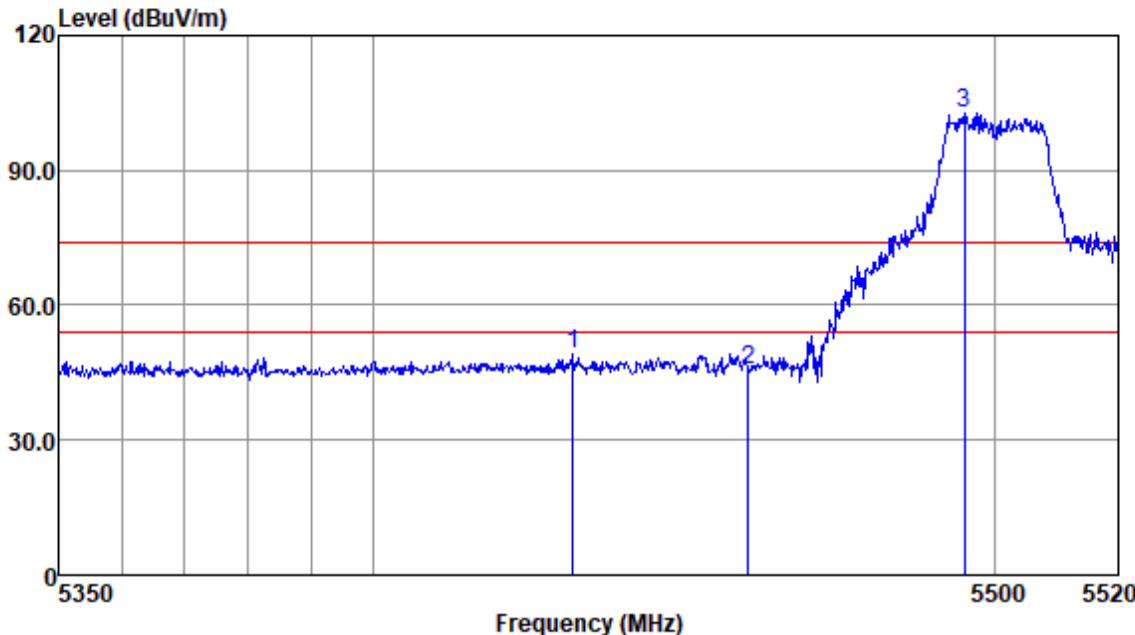
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5431.79	44.37	34.39	7.49	36.96	49.29	74.00	-24.71	Peak
5460.07	40.66	34.44	7.49	36.97	45.62	74.00	-28.38	Peak
5495.02	97.81	34.49	7.49	36.98	102.81	74.00	28.81	Peak

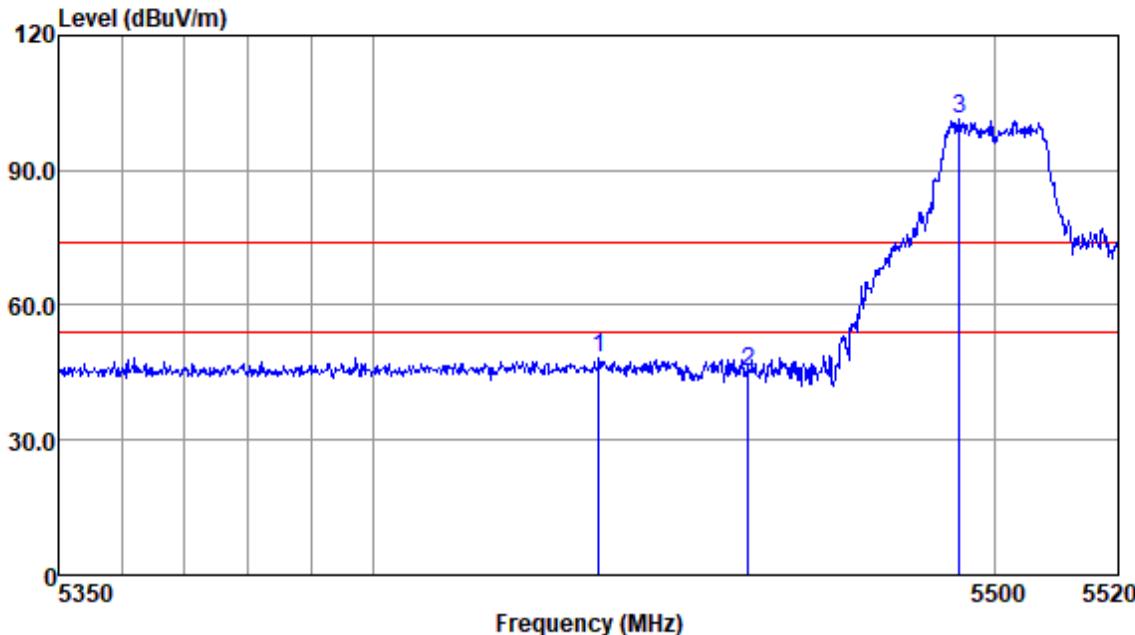
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

**Antenna Polarity :VERTICAL**

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5436.04	43.15	34.42	7.49	36.96	48.10	74.00	-25.90	Peak
5460.00	40.38	34.44	7.49	36.97	45.34	74.00	-28.66	Peak
5494.16	96.22	34.49	7.49	36.98	101.22	74.00	27.22	Peak

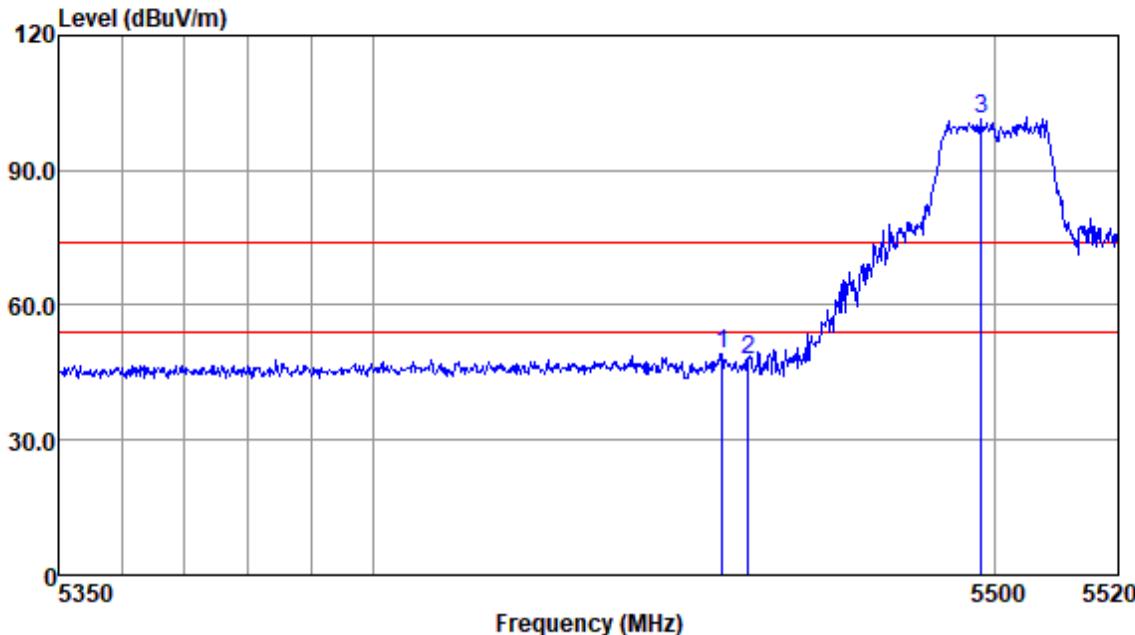
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5455.80	44.11	34.44	7.49	36.97	49.07	74.00	-24.93	Peak
5460.00	42.69	34.44	7.49	36.97	47.65	74.00	-26.35	Peak
5497.77	96.20	34.52	7.49	36.98	101.23	74.00	27.23	Peak

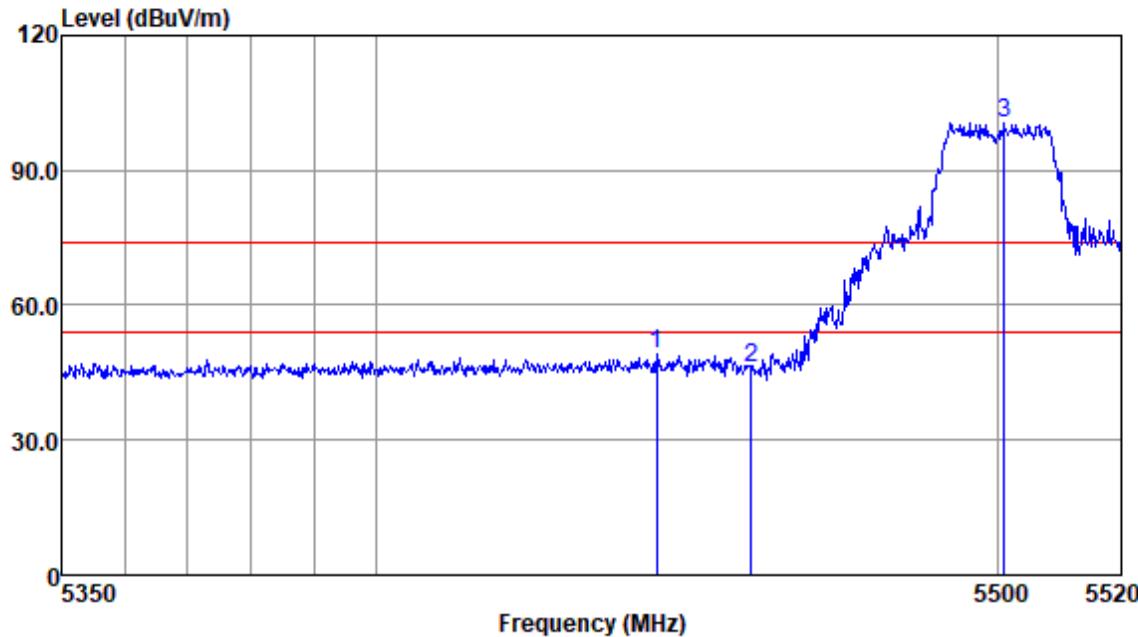
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

**Antenna Polarity :VERTICAL**

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5444.89	44.15	34.42	7.49	36.96	49.10	74.00	-24.90	Peak
5460.00	41.26	34.44	7.49	36.97	46.22	74.00	-27.78	Peak
5501.04	95.59	34.52	7.49	36.98	100.62	74.00	26.62	Peak

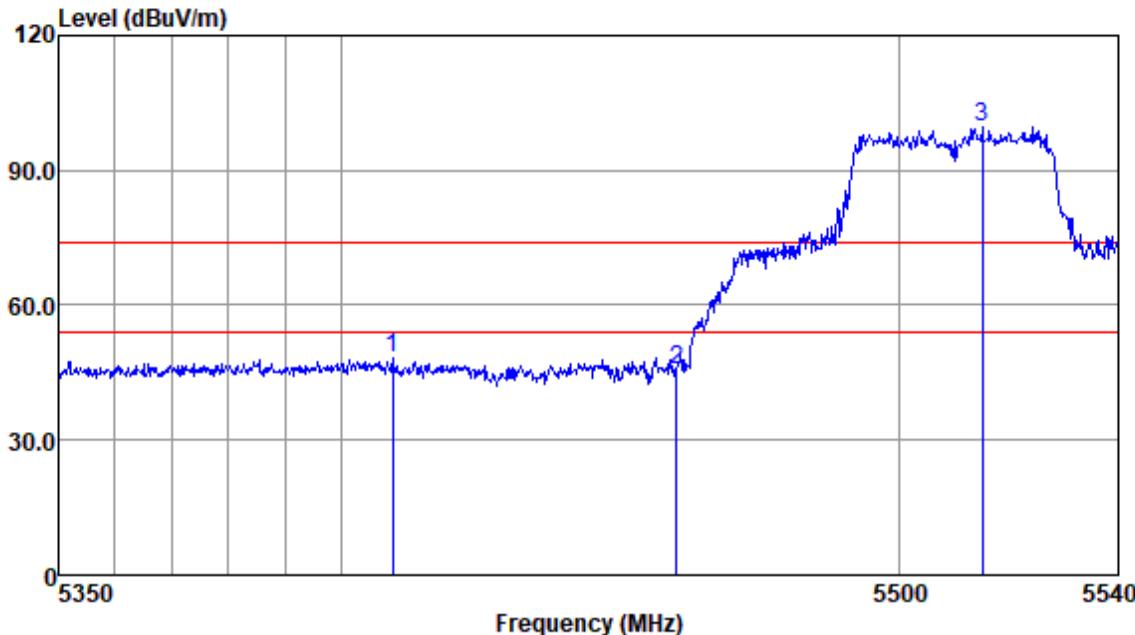
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 05; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

**Antenna Polarity :HORIZONTAL**

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5409.14	43.23	34.36	7.49	36.95	48.13	74.00	-25.87	Peak
5460.00	40.50	34.44	7.49	36.97	45.46	74.00	-28.54	Peak
5515.31	94.51	34.52	7.49	36.98	99.54	74.00	25.54	Peak

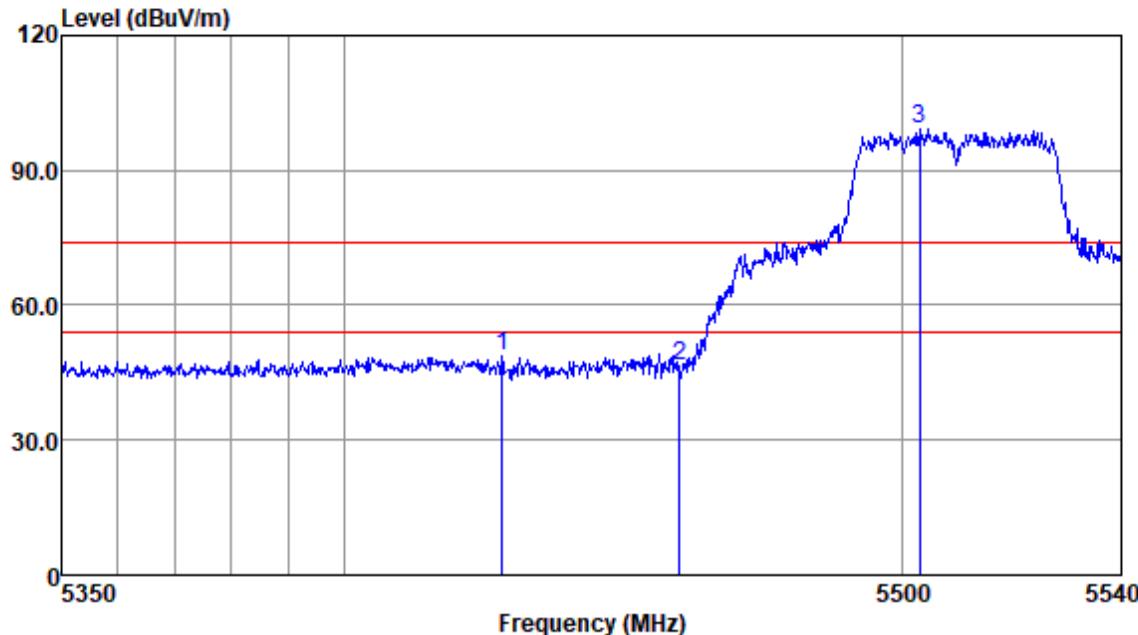
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 05; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

**Antenna Polarity :VERTICAL**

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5428.24	43.80	34.39	7.49	36.96	48.72	74.00	-25.28	Peak
5460.00	41.57	34.44	7.49	36.97	46.53	74.00	-27.47	Peak
5503.39	94.17	34.52	7.49	36.98	99.20	74.00	25.20	Peak

Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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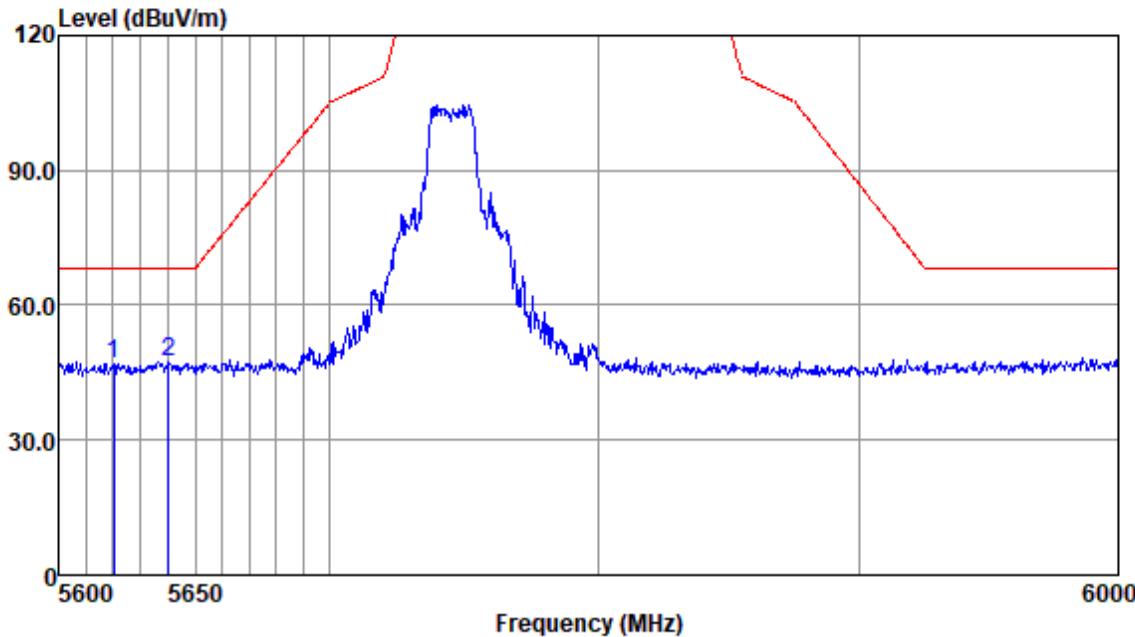
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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
5620.13	42.11	34.52	7.50	37.00	47.13	68.20	-21.07	Peak
5640.33	42.31	34.53	7.50	37.00	47.34	68.20	-20.86	Peak

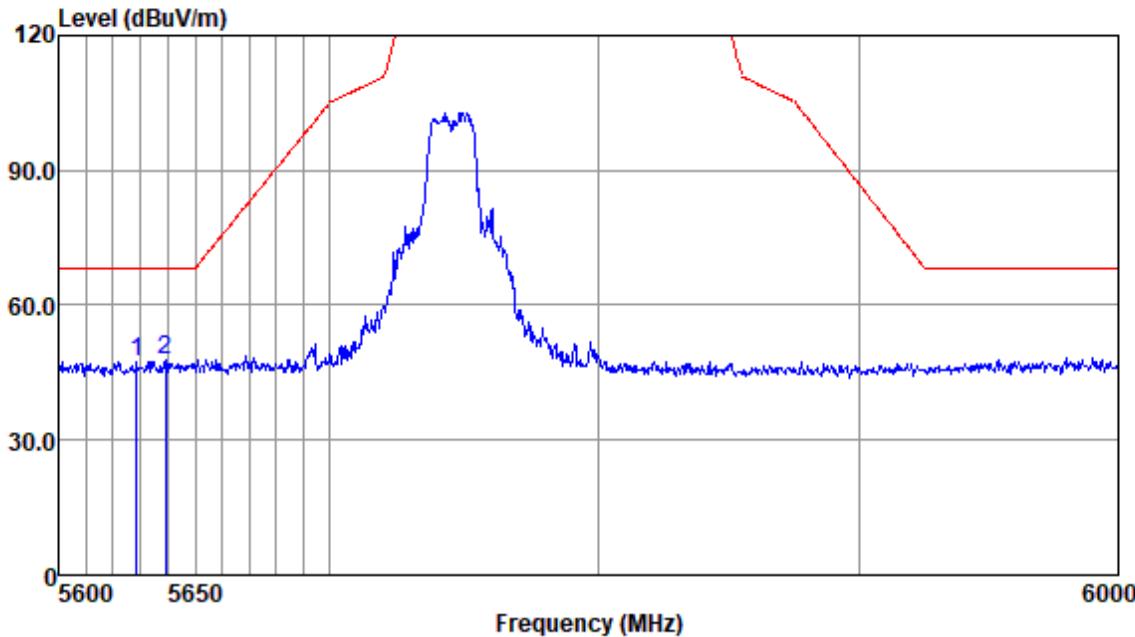
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

**Antenna Polarity :VERTICAL**

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5628.66	42.49	34.53	7.50	37.00	47.52	68.20	-20.68	Peak
5639.16	42.61	34.53	7.50	37.00	47.64	68.20	-20.56	Peak

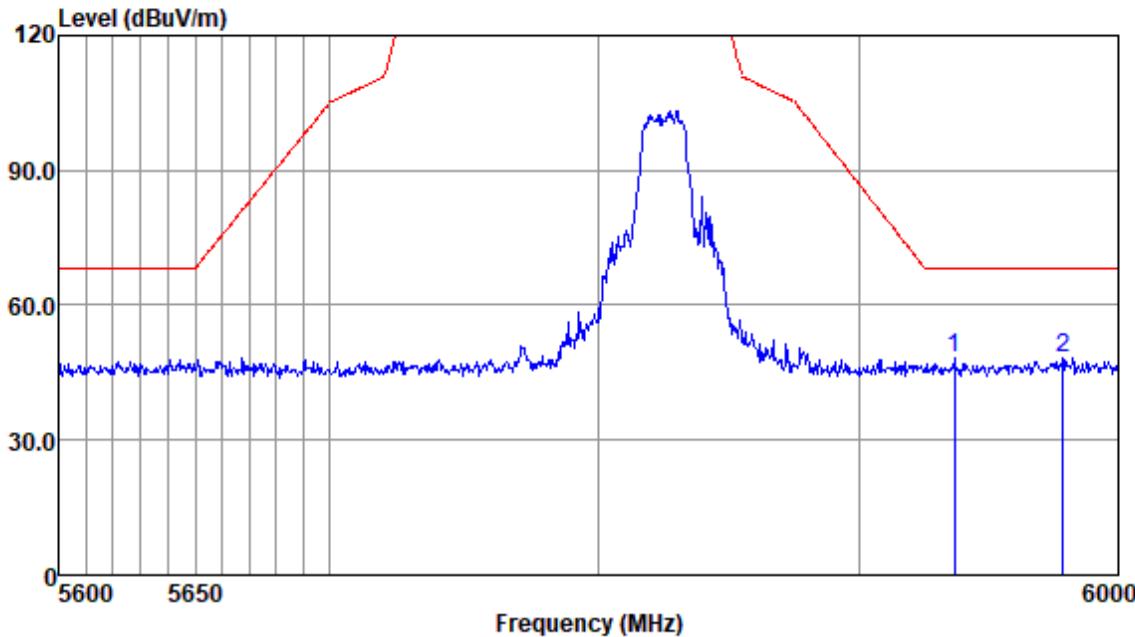
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High

**Antenna Polarity :HORIZONTAL**

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5936.18	42.90	34.81	7.51	37.05	48.17	68.20	-20.03	Peak
5978.51	42.89	34.94	7.52	37.06	48.29	68.20	-19.91	Peak

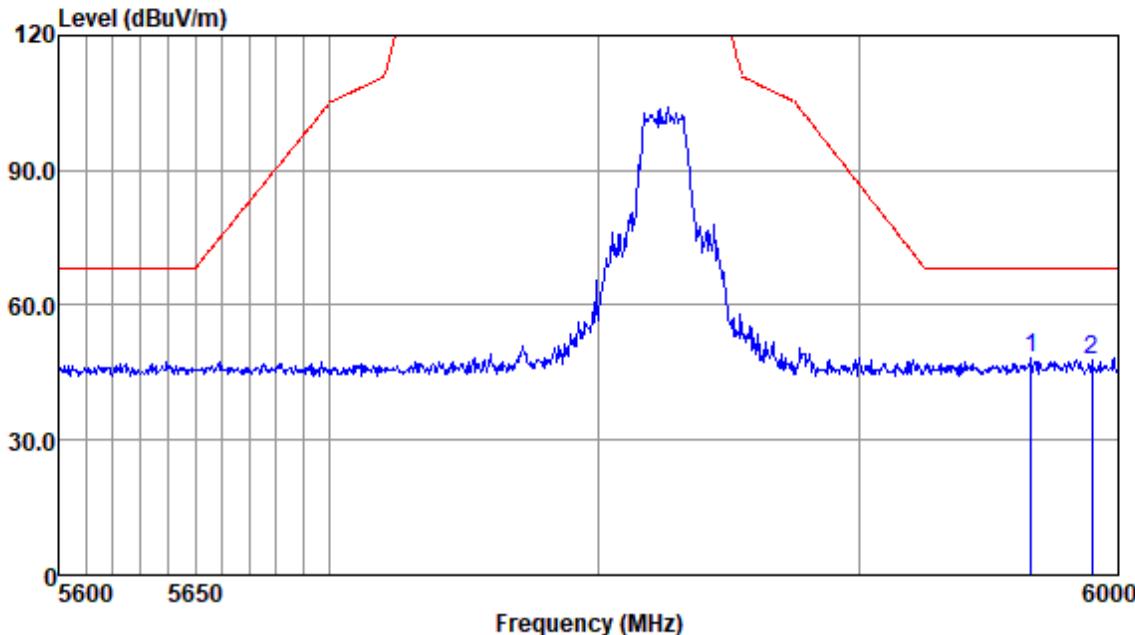
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High

**Antenna Polarity :VERTICAL**

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5966.15	42.73	34.90	7.51	37.05	48.09	68.20	-20.11	Peak
5989.66	42.30	34.94	7.52	37.06	47.70	68.20	-20.50	Peak

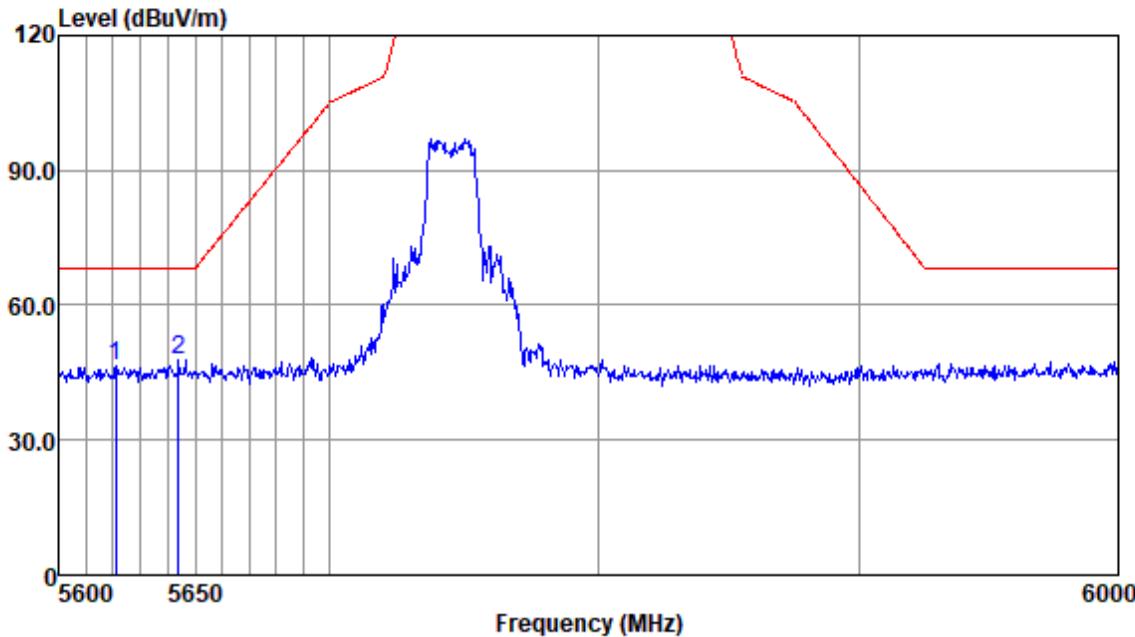
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
5620.90	41.27	34.52	7.50	37.00	46.29	68.20	-21.91	Peak
5643.83	42.96	34.53	7.50	37.00	47.99	68.20	-20.21	Peak

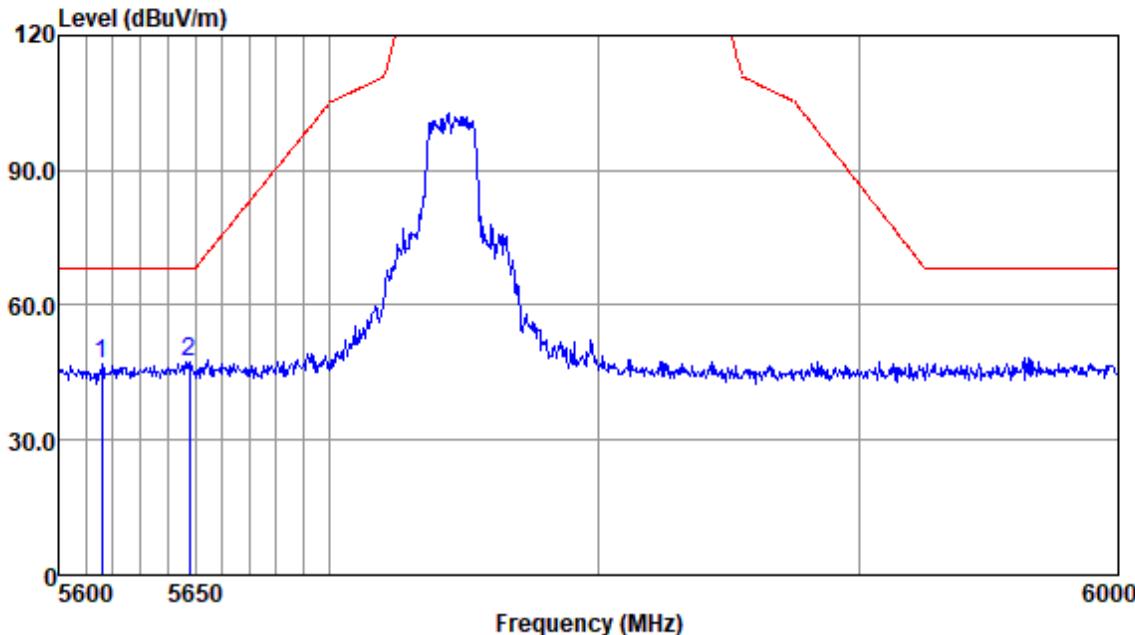
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

**Antenna Polarity :VERTICAL**

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5615.86	42.12	34.52	7.50	37.00	47.14	68.20	-21.06	Peak
5648.11	42.27	34.53	7.50	37.00	47.30	68.20	-20.90	Peak

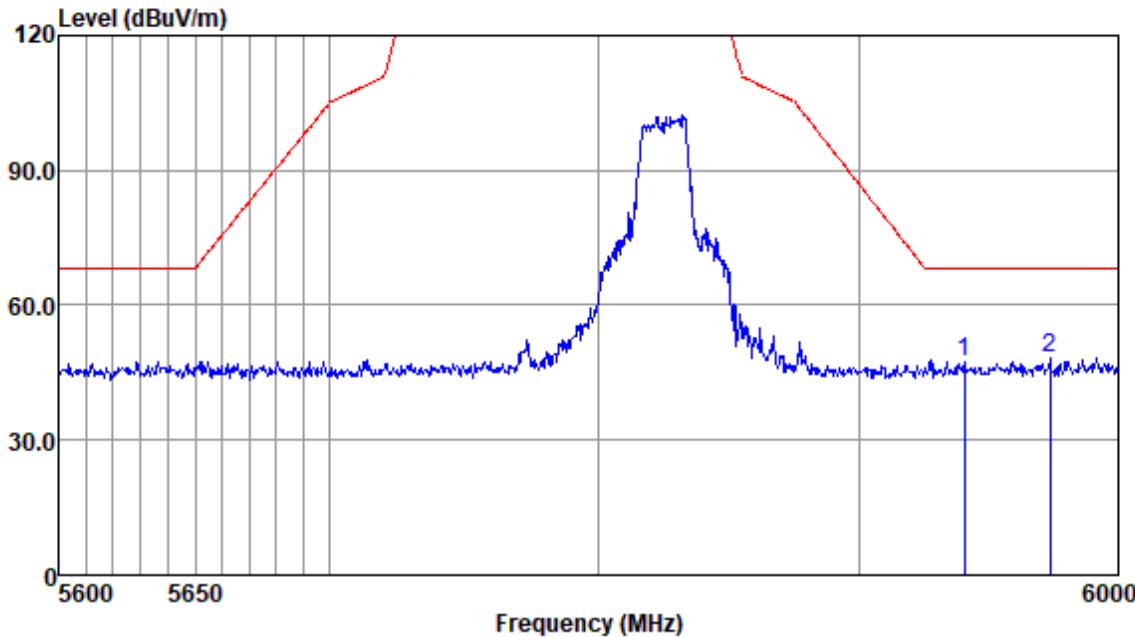
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High

**Antenna Polarity :HORIZONTAL**

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5940.28	42.24	34.81	7.51	37.05	47.51	68.20	-20.69	Peak
5973.57	42.84	34.90	7.51	37.05	48.20	68.20	-20.00	Peak

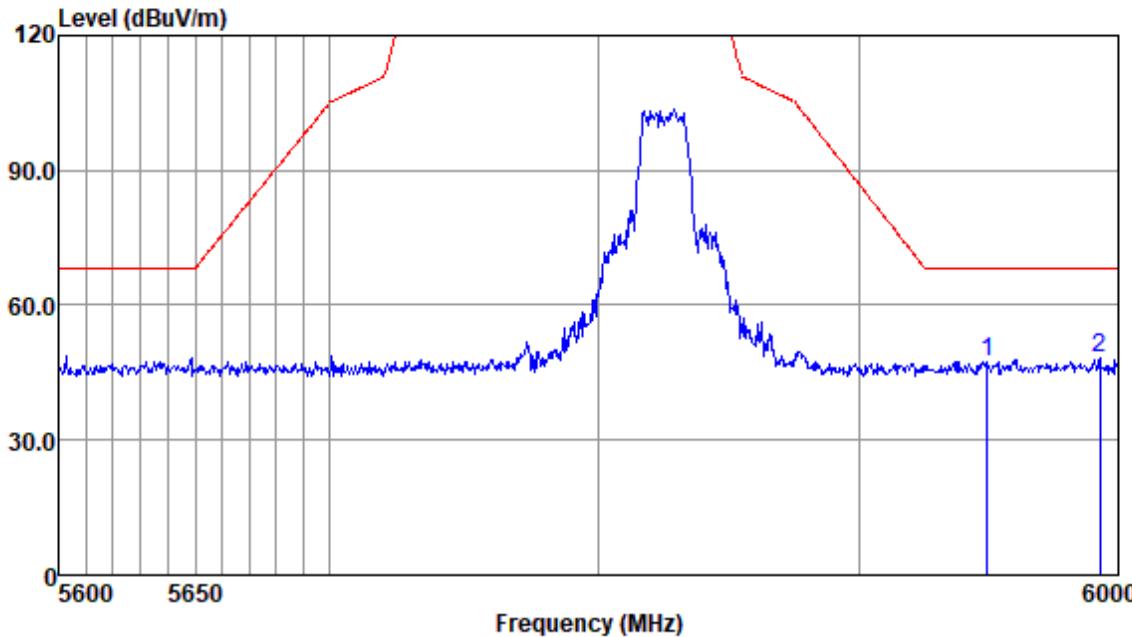
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5948.89	42.06	34.85	7.51	37.05	47.37	68.20	-20.83	Peak
5992.97	42.85	34.99	7.52	37.06	48.30	68.20	-19.90	Peak

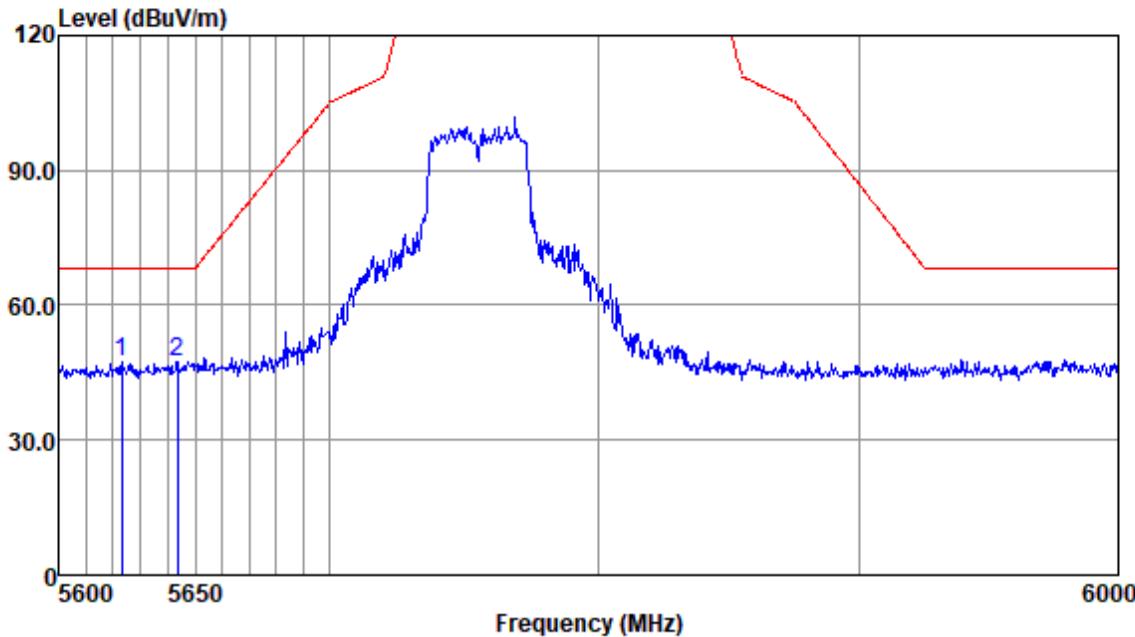
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5623.23	42.18	34.52	7.50	37.00	47.20	68.20	-21.00	Peak
5643.44	42.23	34.53	7.50	37.00	47.26	68.20	-20.94	Peak

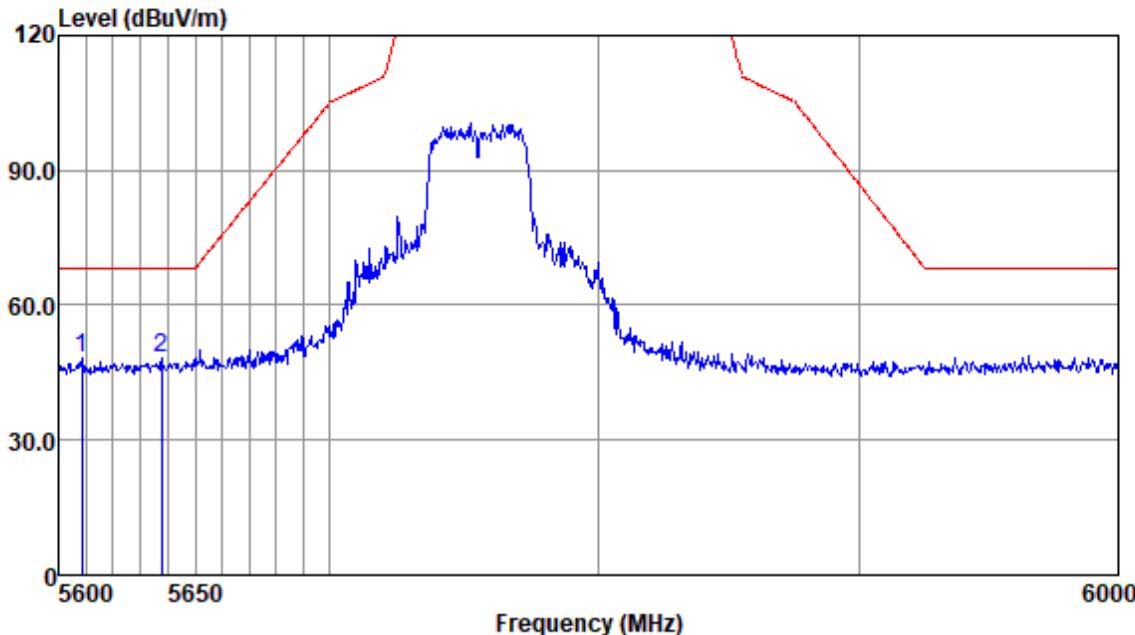
Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor



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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

**Antenna Polarity :VERTICAL**

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5608.51	43.41	34.52	7.50	37.00	48.43	68.20	-19.77	Peak
5637.60	43.07	34.53	7.50	37.00	48.10	68.20	-20.10	Peak

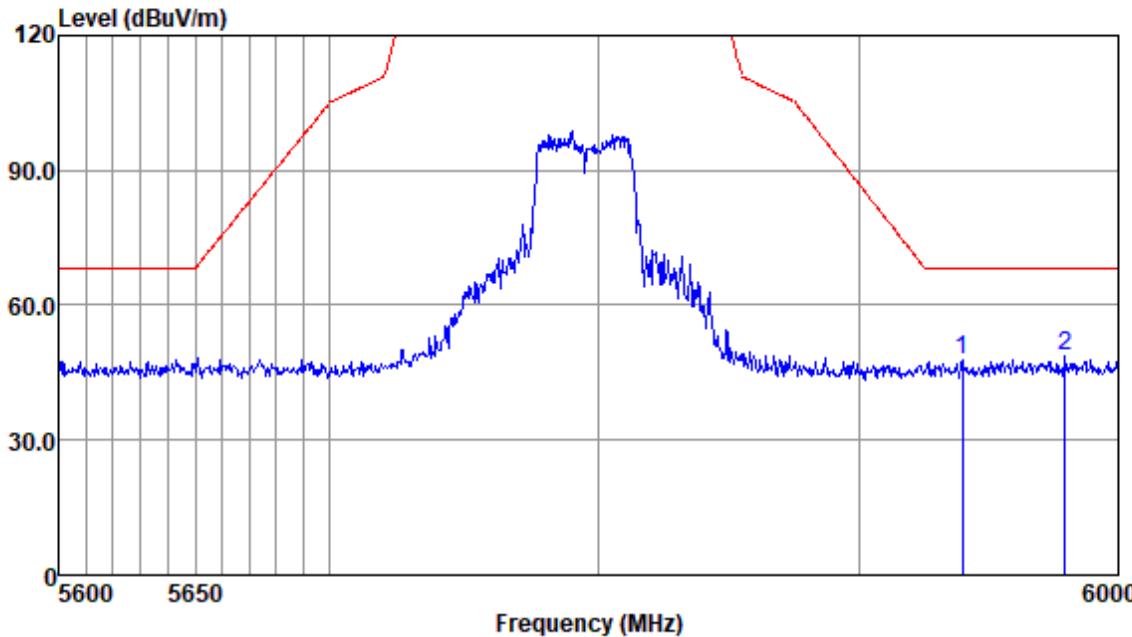
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Test Mode: 06; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity :HORIZONTAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
MHz	dBuv	dB/m	dB	dB	dBuv/m	dBuv/m	dB	
5939.46	42.75	34.81	7.51	37.05	48.02	68.20	-20.18	Peak
5979.34	43.48	34.94	7.52	37.06	48.88	68.20	-19.32	Peak

Note: Emission Level=Read Level+Antenna Factor+Cable loss+Preamp Factor

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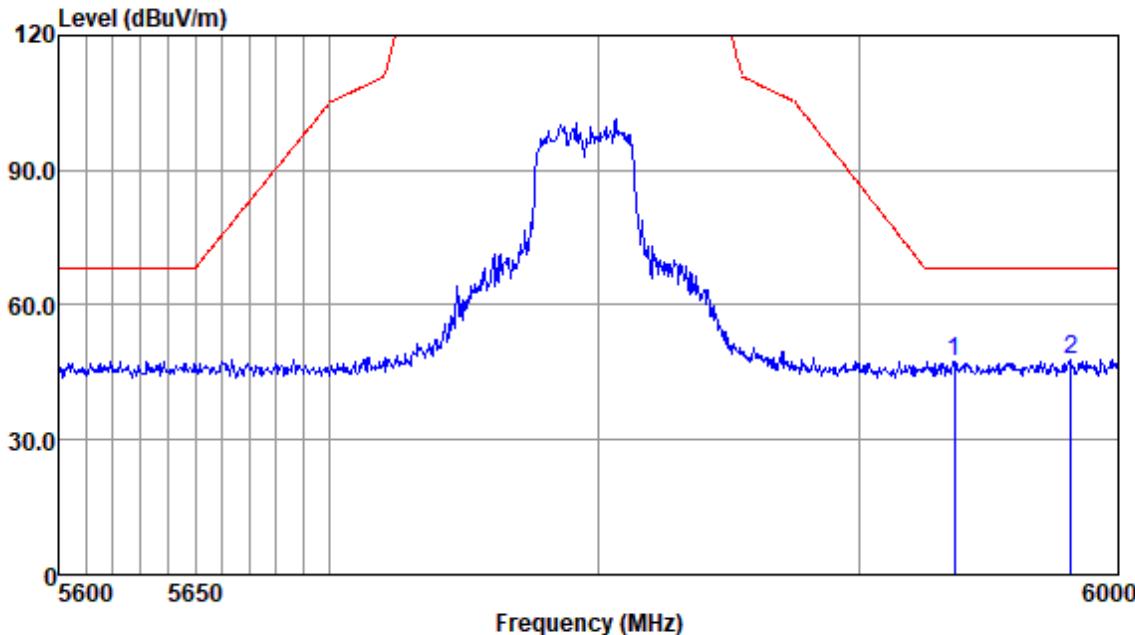
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Test Mode: 06; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Antenna Polarity : VERTICAL

Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Emission Level	Limit Line	Over Limit	Remark
5936.18	42.16	34.81	7.51	37.05	47.43	68.20	-20.77	Peak
5981.40	42.22	34.94	7.52	37.06	47.62	68.20	-20.58	Peak

Note: Emission Level = Read Level + Antenna Factor + Cable loss - Preamp Factor



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for SHCR2201000300HS

9 EUT Constructional Details (EUT Photos)

Refer to Appendix - Photographs of EUT Constructional Details for SHCR2201000300HS

-- End of the Report --



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