

TEST REPORT

Application No.: GZCR2311001128AT
Applicant: DOREL JUVENILE GROUP
Address of Applicant: 2525 State Street Columbus Indiana United States
Manufacturer: DOREL JUVENILE GROUP
Address of Manufacturer: 2525 State Street Columbus Indiana United States
Factory: Zhongshan Camry Electronic Co., Ltd
Address of Factory: Baishawan Industrial Park, Qiwan Road, East District, Zhongshan, Guangdong, China

Equipment Under Test (EUT):

EUT Name: Smart Family Scale
Model No.: IH599
Trade Mark: safety 1ST
Standard(s) : 47 CFR Part 15, Subpart C 15.247
Date of Receipt: 2023-11-08
Date of Test: 2023-11-13 to 2023-11-27
Date of Issue: 2024-02-05

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

Ricky Liu

Ricky Liu
Manager



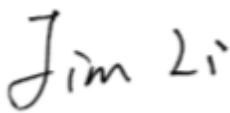
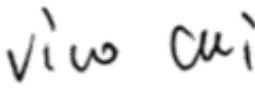
SGS-CSTC Standards Technical Services Co., Ltd.
Guangzhou Branch EMC Laboratory

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Revision Record			
Version	Report No.	Date	Remark
01	GZCR231100112802	2024-02-05	Original

Authorized for issue by			
			
		<div>Jim Li/Project Engineer</div>	
			
		<div>Vico Cui/Reviewer</div>	

2 Test Summary

Radio Spectrum Technical Requirement				
Item	Standard	Method	Requirement	Result
Antenna Requirement	47 CFR Part 15, Subpart C 15.247	N/A	47 CFR Part 15, Subpart C 15.203 & 15.247(b)(4)	Pass

Radio Spectrum Matter Part				
Item	Standard	Method	Requirement	Result
Conducted Peak Output Power	47 CFR Part 15, Subpart C 15.247	ANSI C63.10 (2013) Section 11.9.2	47 CFR Part 15, Subpart C 15.247(b)(3)	Pass
Minimum 6dB Bandwidth		ANSI C63.10 (2013) Section 11.8.1	47 CFR Part 15, Subpart C 15.247a(2)	Pass
Power Spectrum Density		ANSI C63.10 (2013) Section 11.10.2	47 CFR Part 15, Subpart C 15.247(e)	Pass
Conducted Band Edges Measurement		ANSI C63.10 (2013) Section 11.13.3.2	47 CFR Part 15, Subpart C 15.247(d)	Pass
Conducted Spurious Emissions		ANSI C63.10 (2013) Section 11.11	47 CFR Part 15, Subpart C 15.247(d)	Pass
Radiated Emissions which fall in the restricted bands		ANSI C63.10 (2013) Section 11.12	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass**
Radiated Spurious Emissions Below 1GHz		ANSI C63.10 (2013) Section 6.4,6.5	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
Radiated Spurious Emissions Above 1GHz		ANSI C63.10 (2013) Section 6.6	47 CFR Part 15, Subpart C 15.205 & 15.209	Pass
**: The EUT passed Radiated Emissions which fall in the restricted bands test after modification.				

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.



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3 Contents

	Page
1 Cover Page	1
2 Test Summary.....	3
3 Contents	4
4 General Information.....	6
4.1 Details of E.U.T.	6
4.2 Description of Support Units.....	6
4.3 Measurement Uncertainty	7
4.4 Test Location	7
4.5 Test Facility.....	8
4.6 Deviation from Standards.....	8
4.7 Abnormalities from Standard Conditions.....	8
5 Equipment List	9
6 Radio Spectrum Technical Requirement.....	12
6.1 Antenna Requirement	12
6.1.1 Test Requirement:	12
6.1.2 Conclusion	12
7 Radio Spectrum Matter Test Results.....	13
7.1 Conducted Peak Output Power	13
7.1.1 E.U.T. Operation	13
7.1.2 Test Mode Description	13
7.1.3 Test Setup Diagram	14
7.1.4 Measurement Procedure and Data.....	14
7.2 Minimum 6dB Bandwidth.....	15
7.2.1 E.U.T. Operation	15
7.2.2 Test Mode Description	15
7.2.3 Test Setup Diagram	15
7.2.4 Measurement Procedure and Data.....	15
7.3 Power Spectrum Density	16
7.3.1 E.U.T. Operation	16
7.3.2 Test Mode Description	16
7.3.3 Test Setup Diagram	16
7.3.4 Measurement Procedure and Data.....	16
7.4 Conducted Band Edges Measurement	17
7.4.1 E.U.T. Operation	17
7.4.2 Test Mode Description	17
7.4.3 Test Setup Diagram	18
7.4.4 Measurement Procedure and Data.....	18
7.5 Conducted Spurious Emissions	19
7.5.1 E.U.T. Operation	19
7.5.2 Test Mode Description	19
7.5.3 Test Setup Diagram	20



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7.5.4	Measurement Procedure and Data.....	20
7.6	Radiated Emissions which fall in the restricted bands	21
7.6.1	E.U.T. Operation	21
7.6.2	Test Mode Description	21
7.6.3	Test Setup Diagram	22
7.6.4	Measurement Procedure and Data.....	22
7.7	Radiated Spurious Emissions Below 1GHz.....	39
7.7.1	E.U.T. Operation	39
7.7.2	Test Mode Description	39
7.7.3	Test Setup Diagram	40
7.7.4	Measurement Procedure and Data.....	40
7.8	Radiated Spurious Emissions Above 1GHz	43
7.8.1	E.U.T. Operation	43
7.8.2	Test Mode Description	43
7.8.3	Test Setup Diagram	43
7.8.4	Measurement Procedure and Data.....	44
8	Test Setup Photo	69
9	EUT Constructional Details (EUT Photos).....	70
10	Appendix.....	71



4 General Information

4.1 Details of E.U.T.

Power supply: DC 6 V (4*AAA size battery)
Cable(s): None
Test Voltage: DC 6 V
Antenna Type: Integral Antenna
Antenna Gain: 2.54 dBi
Antenna Number: 1
For 2.4GHz Wi-Fi
Operation Frequency: 802.11b/g/n(HT20): 2412MHz to 2462MHz
Modulation Type: 802.11b: DSSS (CCK, DQPSK, DBPSK);802.11g/n: OFDM (64QAM, 16QAM, QPSK, BPSK)
Number of Channels: 802.11b/g/n(HT20):11
Channel Spacing: 5MHz
For BLE
Operation Frequency: 2402MHz to 2480MHz
Bluetooth Version: V4.2 LE
Modulation Type: GFSK
Number of Channels: 40
Channel Spacing: 2MHz

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
Note Book Computer	LENOVO	ThinkPad T490	PF1D1MVJ



4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Conducted Peak Output Power	$\pm 0.75\text{dB}$
Minimum 6dB Bandwidth	$\pm 3\%$
Power Spectrum Density	$\pm 2.84\text{dB}$
Conducted Band Edges Measurement	$\pm 0.75\text{dB}$
Conducted Spurious Emissions	$\pm 0.75\text{dB}$
Radiated Emissions which fall in the restricted bands	$\pm 5.00\text{dB}$ (30MHz-1GHz; 3m); $\pm 4.38\text{dB}$ (30MHz-1GHz; 10m); $\pm 5.12\text{dB}$ (1GHz-6GHz); $\pm 5.38\text{dB}$ (6GHz-18GHz); $\pm 5.61\text{dB}$ (18GHz-40GHz)
Radiated Spurious Emissions Below 1GHz	$\pm 5.00\text{dB}$ (3m); $\pm 4.38\text{dB}$ (10m)
Radiated Spurious Emissions Above 1GHz	$\pm 5.12\text{dB}$ (1GHz-6GHz); $\pm 5.38\text{dB}$ (6GHz-18GHz); $\pm 5.61\text{dB}$ (18GHz-40GHz)
Remark: The U_{lab} (lab Uncertainty) is less than U_{ETSI} (ETSI Uncertainty), so the test results – compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit; – non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.	

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
198 Kezhu Road, Sciencetech Park, Guangzhou Economic & Technology Development District,
Guangzhou, China 510663

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No tests were sub-contracted.



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4.5 Test Facility

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

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



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5 Equipment List

Conducted Peak Output Power					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2023-11-02	2025-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A

Minimum 6dB Bandwidth					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2023-11-02	2025-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A

Power Spectrum Density					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2023-11-02	2025-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A

Conducted Band Edges Measurement					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2023-11-02	2025-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A

Conducted Spurious Emissions					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
MI CABLE	SGS-EMC	0.8M	EMC2137	2023-11-02	2025-11-01
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
4X4 Power sensor Unit	TST	TSPS2023R	EMC2226	2023-08-23	2024-08-22
Test Software	TST	V2.0	GZE100-78	N/A	N/A



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Radiated Emissions which fall in the restricted bands					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2022-12-16	2023-12-15
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2022-12-16	2023-12-15
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2022-08-24	2024-08-23
Horn Antenna (1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2022-09-23	2025-09-22
Horn Antenna (14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2023-06-18	2026-06-17
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
MXE EMI Receiver (10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2023-10-20	2024-10-19
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A

Radiated Spurious Emissions Below 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
966 Anechoic Chamber	Shenzhen C.R.T	CRTSGSSAC966	EMC2230	2022-04-12	2025-04-11
EMI Test Receiver(1Hz-8GHz)	Rohde & Schwarz	ESW8	EMC2229	2023-02-20	2024-02-19
Amplifier(9k-1000MHz)	SONOMA	310	EMC2237	2023-04-13	2024-04-12
TRILOG Broadband Antenna (25M-2GHz)	SCHWARZBECK	VULB 9168	EMC2238	2022-04-20	2025-04-19
Coaxial Cable	Mirco-COAX UTIFLEX ve	LA2-C125-8000	EMC2239	2023-06-14	2025-06-13
Test Software E3	Audix	Ver.6.191211	GZE100-81	N/A	N/A
Active Loop Antenna-RED	ETS-Lindgren	6502	EMC2190	2022-04-06	2024-04-05



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Radiated Spurious Emissions Above 1GHz					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
1GHz-26.5 GHz Pre-Amplifier	Agilent	8449B	EMC0521	2022-12-16	2023-12-15
EMI Test Receiver (10Hz-26.5GHz)	Rohde & Schwarz	ESIB26	EMC0522	2022-12-16	2023-12-15
Chamber cable (Above 1GHz)	Scoflex	KMKM-8.0m	EMC0545	2022-08-24	2024-08-23
Horn Antenna (1GHz-18GHz)	SCHWARZBECK MESS-ELEKTRONIK	BBHA 9120D	EMC2026	2022-09-23	2025-09-22
Horn Antenna (14-40GHz)	SCHWARZBECK	BBHA 9170	EMC2041	2023-06-18	2026-06-17
2.4GHz Filter	Micro-Tronics	BRM 50702	EMC2069	2022-12-16	2023-12-15
EXA Signal Analyzer (10Hz-44GHz)	Keysight	N9010A	EMC2138	2023-08-23	2024-08-22
MXE EMI Receiver (10Hz-8.4GHz)	Keysight	N9038A	EMC2139	2023-10-20	2024-10-19
966 Anechoic Chamber	C.R.T	9m x 6m x 6m	EMC2142	2020-12-20	2023-12-19
Test Software E3	Audix	Ver.6.120110a	GZE100-61	N/A	N/A

General used equipment					
Equipment	Manufacturer	Model No	Inventory No	Cal Date	Cal Due Date
DMM	Fluke	73	EMC0006	2023-06-11	2024-06-10



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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 & 15.247(b)(4)

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 permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. 15.247(b) (4) requirement: The conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi. Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

EUT Antenna: The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the antenna is 2.54 dBi.

Antenna location: Refer to internal photo.

7 Radio Spectrum Matter Test Results

7.1 Conducted Peak Output Power

Test Requirement 47 CFR Part 15, Subpart C 15.247(b)(3)

Test Method: ANSI C63.10 (2013) Section 11.9.2

Limit:

Frequency range(MHz)	Output power of the intentional radiator(watt)
902-928	1 for ≥ 50 hopping channels
	0.25 for $25 \leq$ hopping channels < 50
	1 for digital modulation
2400-2483.5	1 for ≥ 75 non-overlapping hopping channels
	0.125 for all other frequency hopping systems
	1 for digital modulation
5725-5850	1 for frequency hopping systems and digital modulation

7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C

Humidity: 45.4 % RH

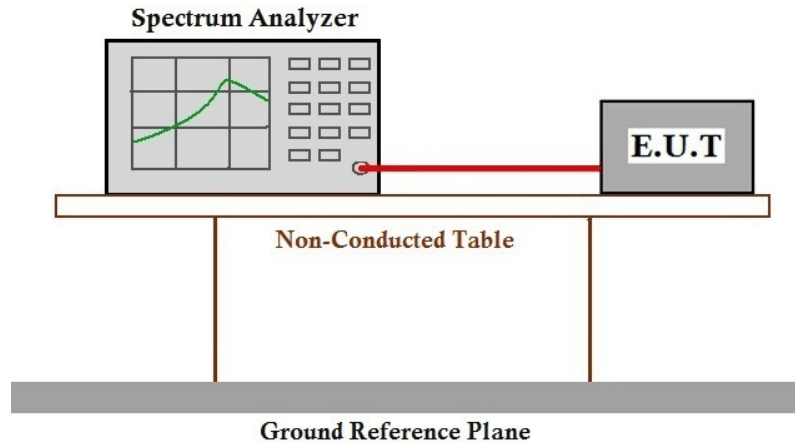
Atmospheric Pressure: 1016 mbar

7.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	01	TX mode_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 @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20), 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



7.1.4 Measurement Procedure and Data

Note: Since the verify power the same operating range bandwidth and smaller power can be covered by the higher power.

Please Refer to Appendix for Details

7.2 Minimum 6dB Bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.247a(2)
 Test Method: ANSI C63.10 (2013) Section 11.8.1
 Limit: ≥ 500 kHz

7.2.1 E.U.T. Operation

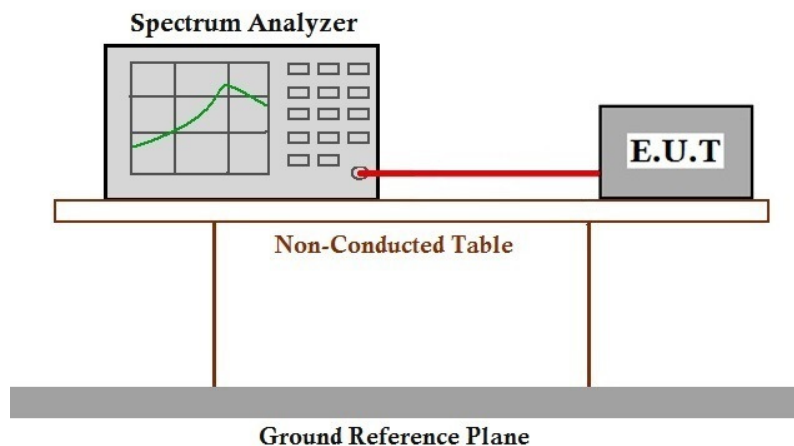
Operating Environment:

Temperature: 23.0 °C Humidity: 45.4 % RH Atmospheric Pressure: 1016 mbar

7.2.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	01	TX mode_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 @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20), 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



7.2.4 Measurement Procedure and Data

Please Refer to Appendix for Details



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7.3 Power Spectrum Density

Test Requirement	47 CFR Part 15, Subpart C 15.247(e)
Test Method:	ANSI C63.10 (2013) Section 11.10.2
Limit:	≤8dBm in any 3 kHz band during any time interval of continuous transmission

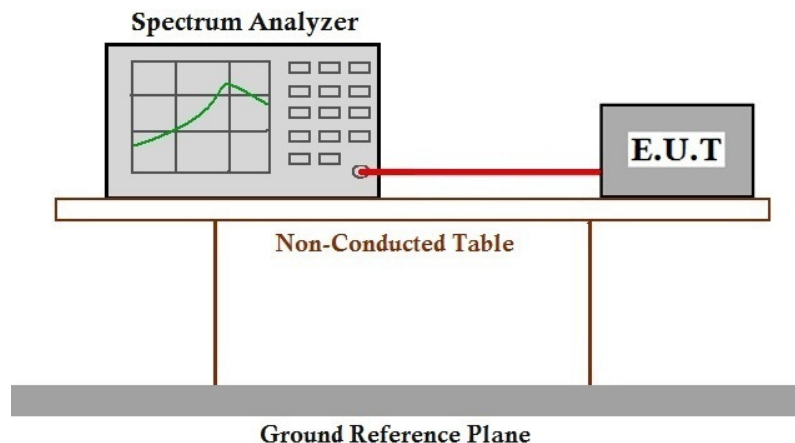
7.3.1 E.U.T. Operation

Operating Environment:			
Temperature:	23.0 °C	Humidity:	45.4 % RH
		Atmospheric Pressure:	1016 mbar

7.3.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	01	TX mode_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 @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20), 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



7.3.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.4 Conducted Band Edges Measurement

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10 (2013) Section 11.13.3.2

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C

Humidity: 45.4 % RH

Atmospheric Pressure: 1016 mbar

7.4.2 Test Mode Description

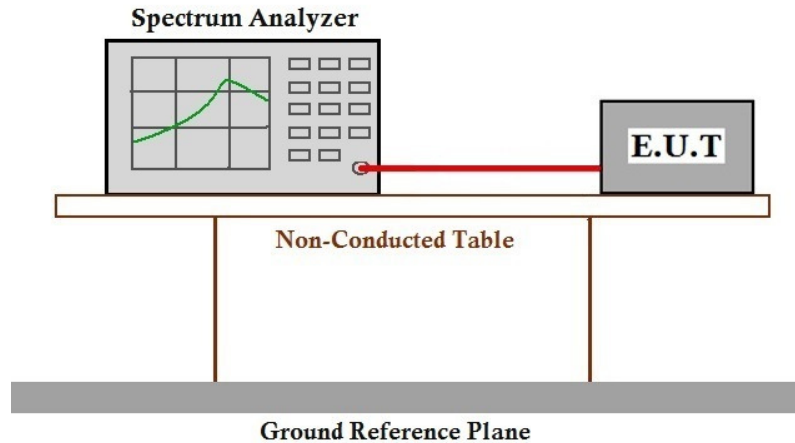
Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	01	TX mode_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.



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7.4.3 Test Setup Diagram



7.4.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.5 Conducted Spurious Emissions

Test Requirement 47 CFR Part 15, Subpart C 15.247(d)

Test Method: ANSI C63.10 (2013) Section 11.11

Limit:

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement, provided the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under paragraph (b)(3) of this section, the attenuation required under this paragraph shall be 30 dB instead of 20 dB. Attenuation below the general limits specified in §15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in §15.205(a), must also comply with the radiated emission limits specified in §15.209(a) (see §15.205(c)).

7.5.1 E.U.T. Operation

Operating Environment:

Temperature: 23.0 °C Humidity: 45.4 % RH Atmospheric Pressure: 1016 mbar

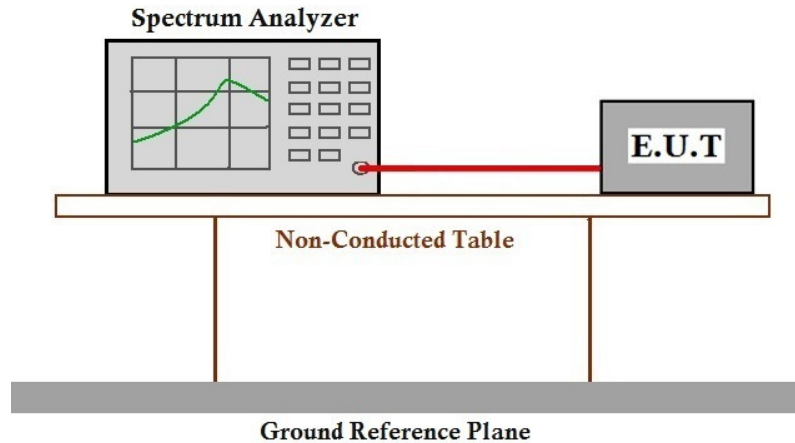
7.5.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation. TX mode_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 @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	01	



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7.5.3 Test Setup Diagram



7.5.4 Measurement Procedure and Data

Please Refer to Appendix for Details

7.6 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 11.12

Limit:

Test Distance: 3 m

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

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.

7.6.1 E.U.T. Operation

Operating Environment:

Temperature: 22.9 °C

Humidity: 57.1 % RH

Atmospheric Pressure: 1016 mbar

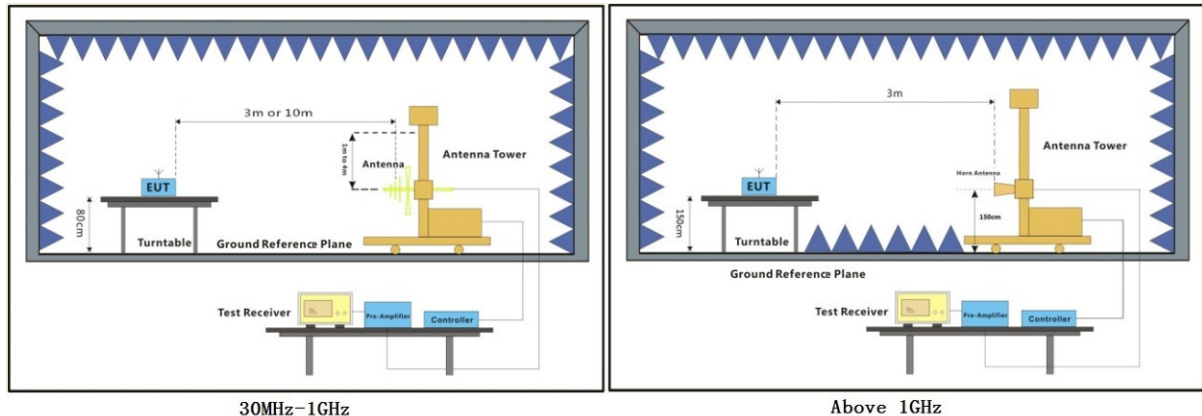
7.6.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation. TX mode_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 @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.
Final test	01	



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7.6.3 Test Setup Diagram



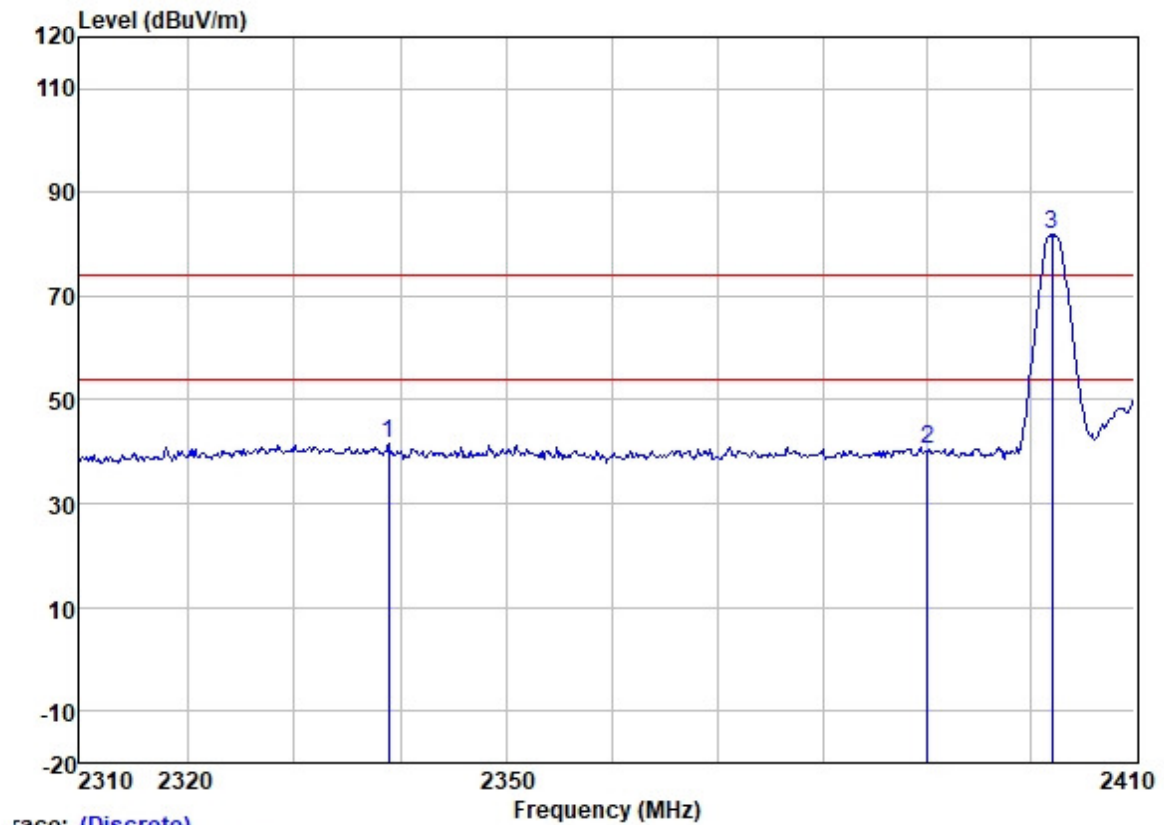
7.6.4 Measurement Procedure and Data

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

Remark 2: 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.

Test Mode: 00; Polarity: Vertical; Modulation: GFSK; Channel: Low

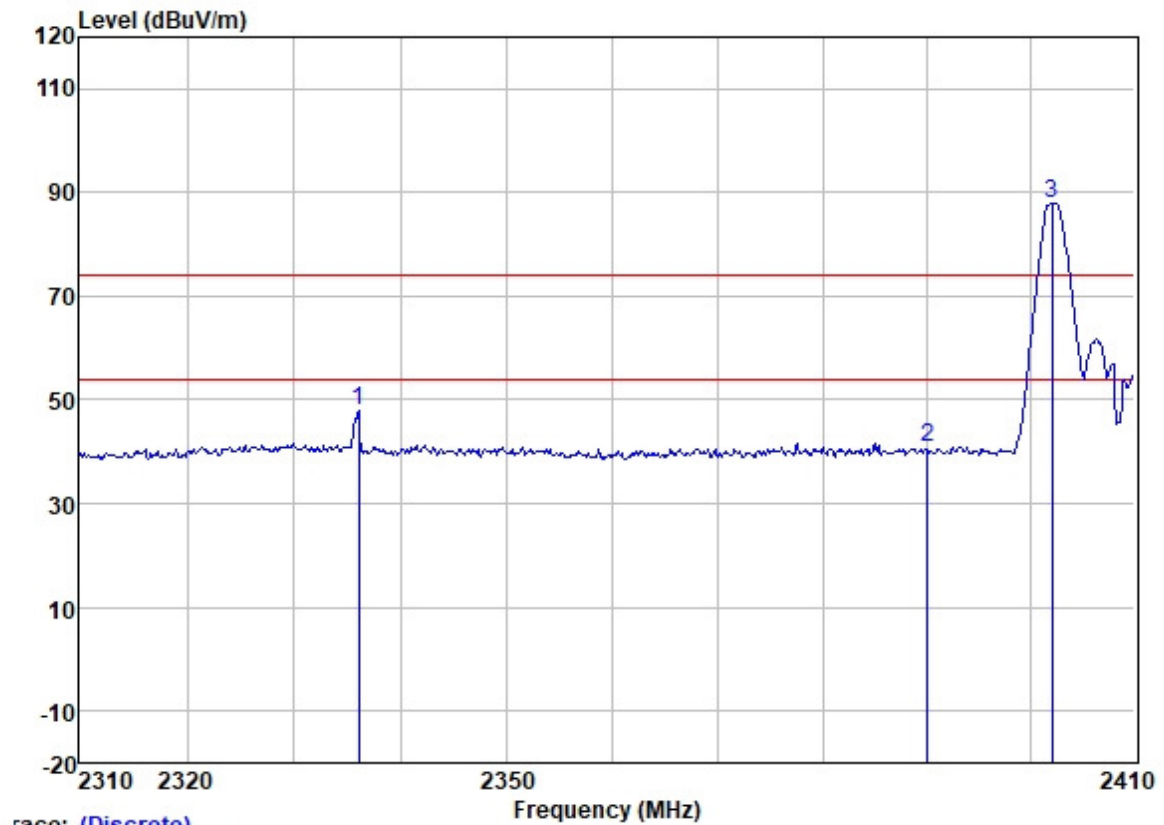


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2338.862	48.03	27.57	3.73	37.78	41.55	74.00	-32.45	VERTICAL Peak
2	2390.000	46.64	27.68	3.77	37.76	40.33	74.00	-33.67	VERTICAL Peak
3 *	2402.000	88.05	27.71	3.78	37.76	81.78	74.00	7.78	VERTICAL Peak



Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:Low

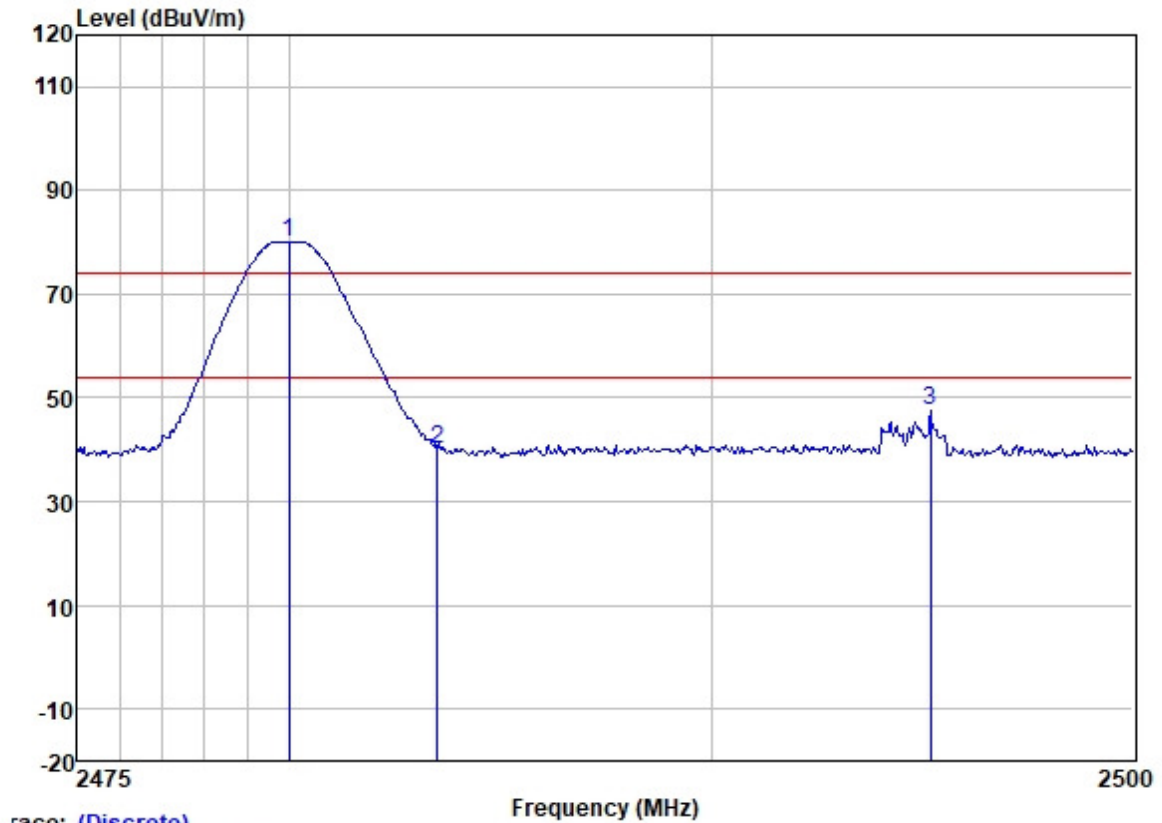


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit		
		dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2336.089	54.41	27.57	3.73	37.79	47.92	74.00	-26.08	HORIZONTAL Peak
2	2390.000	47.06	27.68	3.77	37.76	40.75	74.00	-33.25	HORIZONTAL Peak
3 *	2402.000	94.23	27.71	3.78	37.76	87.96	74.00	13.96	HORIZONTAL Peak



Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:High

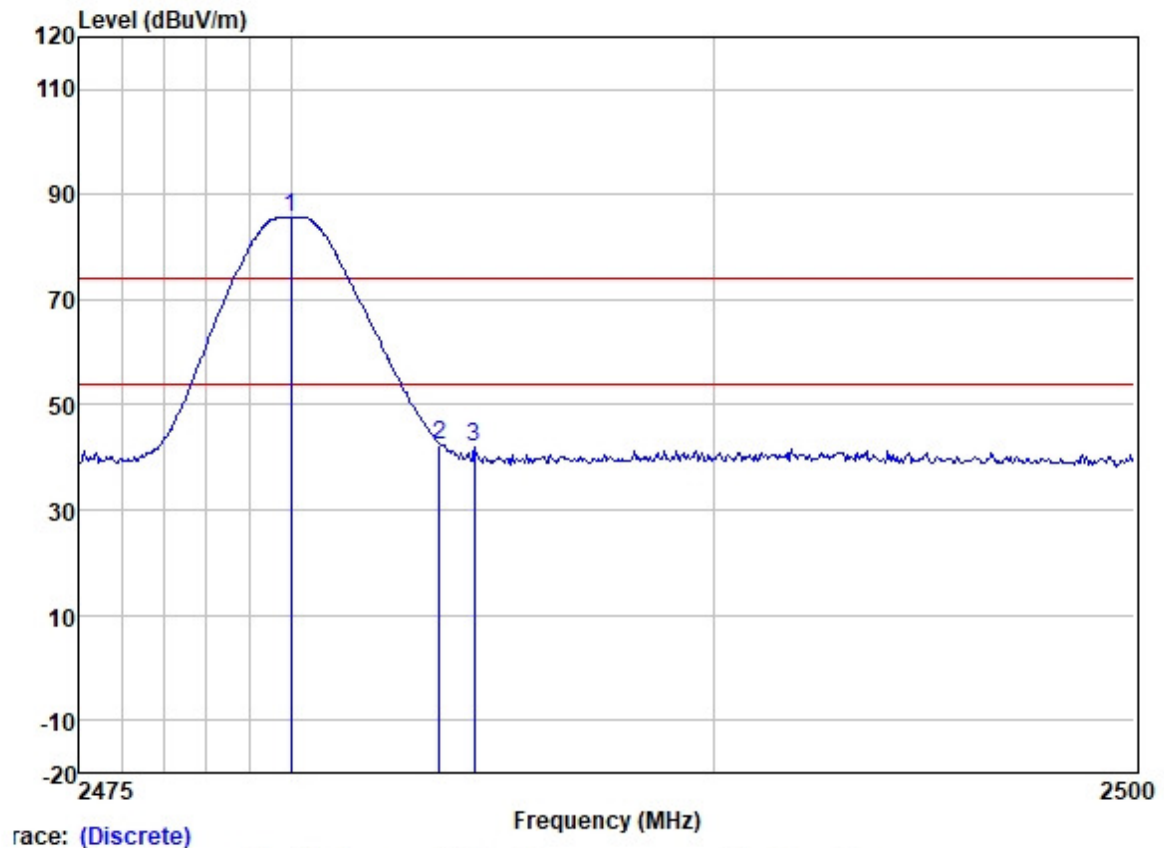


Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	* 2480.000	86.31	27.84	3.82	37.73	80.24	74.00	6.24	VERTICAL	Peak
2	2483.500	46.22	27.85	3.82	37.73	40.16	74.00	-33.84	VERTICAL	Peak
3	2495.180	53.68	27.86	3.83	37.72	47.65	74.00	-26.35	VERTICAL	Peak



Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:High



race: (Discrete)

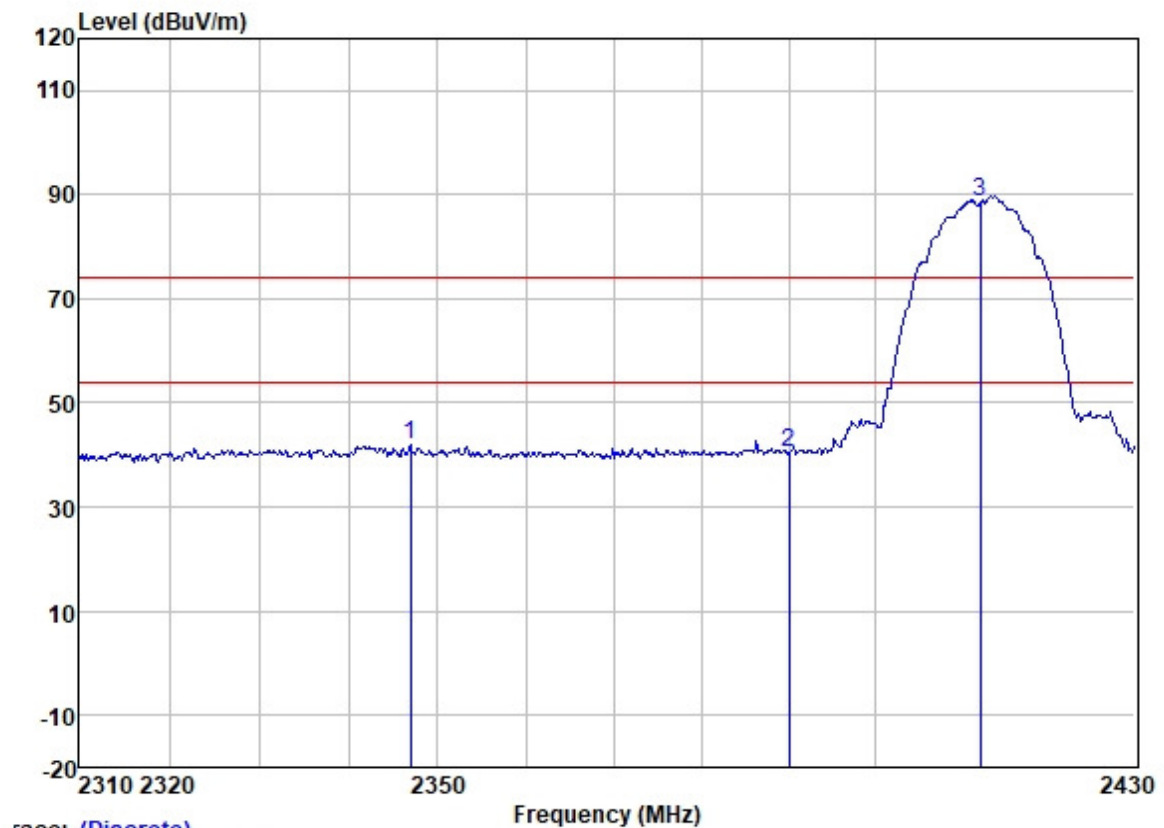
	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	2480.000	91.77	27.84	3.82	37.73	85.70	74.00	11.70	HORIZONTAL Peak
2	2483.500	48.45	27.85	3.82	37.73	42.39	74.00	-31.61	HORIZONTAL Peak
3	2484.321	48.12	27.85	3.82	37.73	42.06	74.00	-31.94	HORIZONTAL Peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low

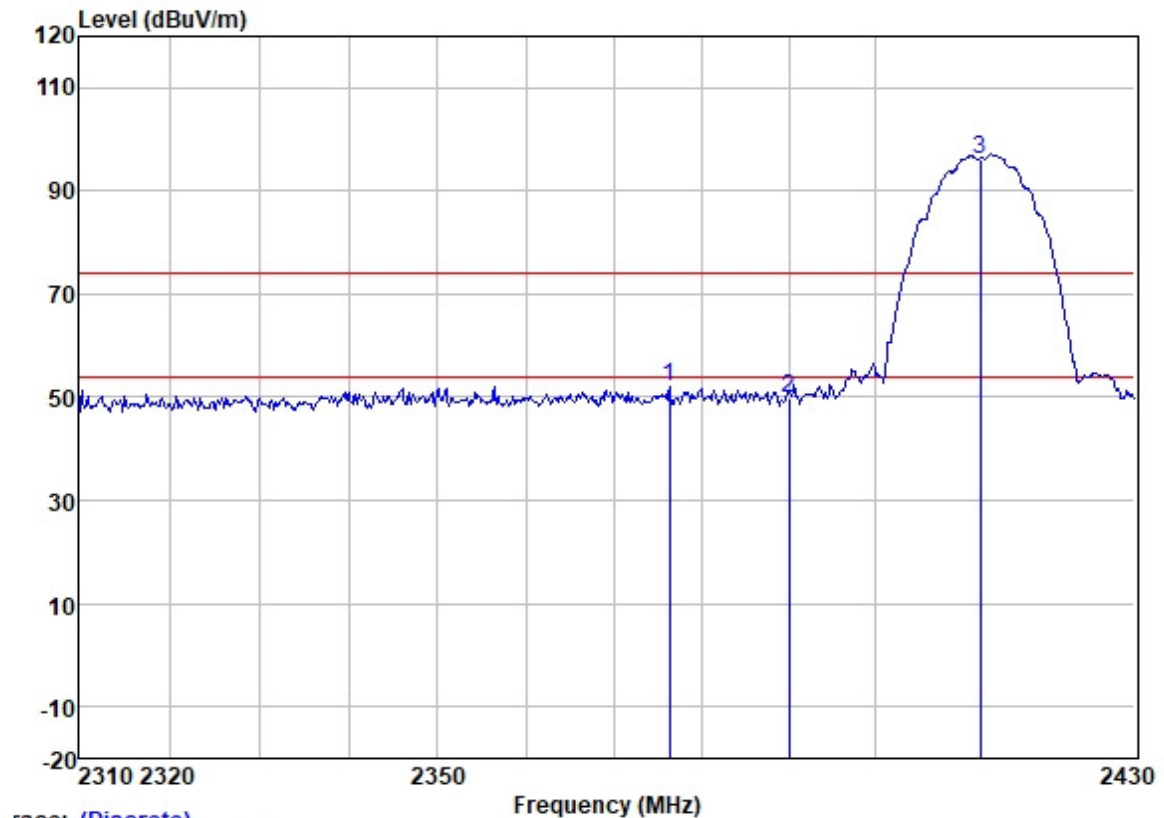


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Loss	Factor	dBuV/m	Line	Limit		
		dBuV	dB/m	dB	dB	dBuV/m	dB		
1	2347.028	48.41	27.59	3.74	37.78	41.96	74.00	-32.04	VERTICAL Peak
2	2390.000	46.91	27.68	3.77	37.76	40.60	74.00	-33.40	VERTICAL Peak
3 *	2412.000	94.89	27.74	3.79	37.76	88.66	74.00	14.66	VERTICAL Peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low

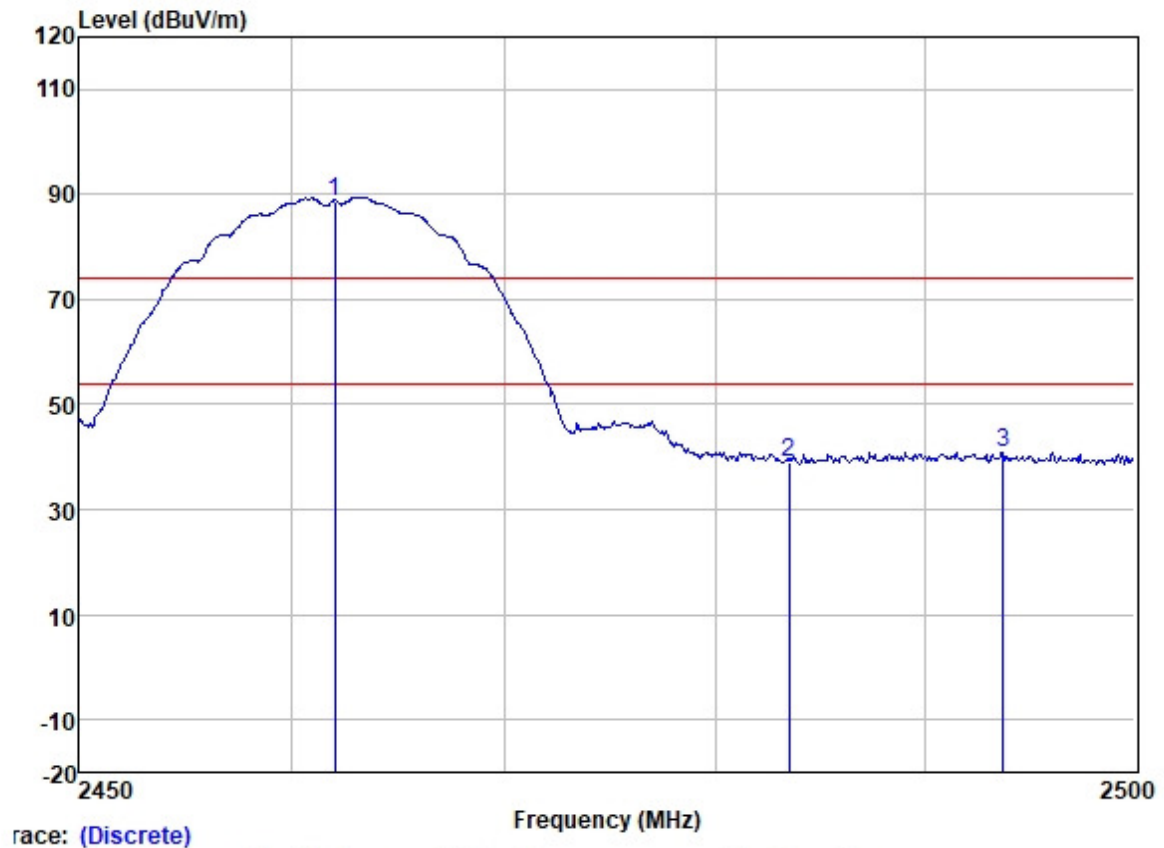


Trace: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	2376.330	58.48	27.66	3.76	37.77	52.13	74.00	-21.87	HORIZONTAL Peak
2	2390.000	56.09	27.68	3.77	37.76	49.78	74.00	-24.22	HORIZONTAL Peak
3 *	2412.000	102.32	27.74	3.79	37.76	96.09	74.00	22.09	HORIZONTAL Peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High

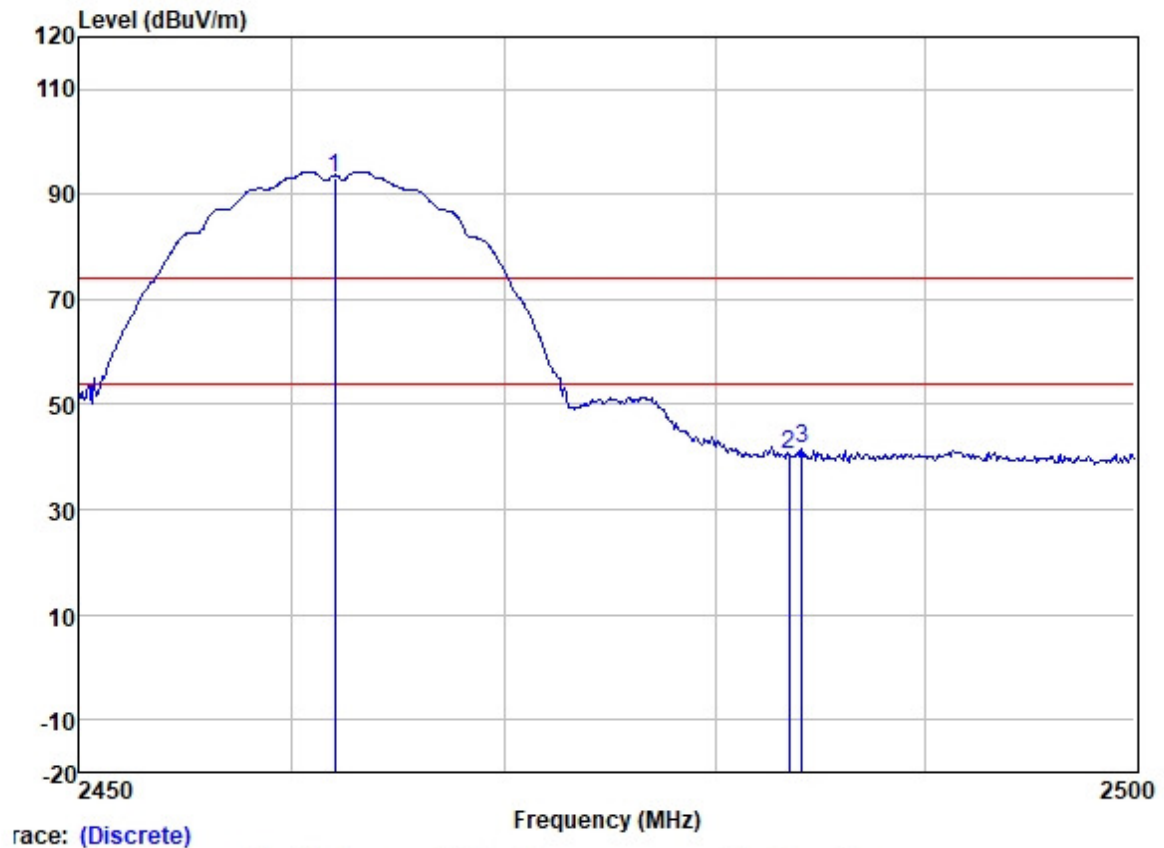


Trace: (Discrete)

	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	2462.000	94.62	27.82	3.81	37.74	88.51	74.00	14.51	VERTICAL Peak
2	2483.500	45.03	27.85	3.82	37.73	38.97	74.00	-35.03	VERTICAL Peak
3	2493.695	46.83	27.86	3.83	37.72	40.80	74.00	-33.20	VERTICAL Peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High

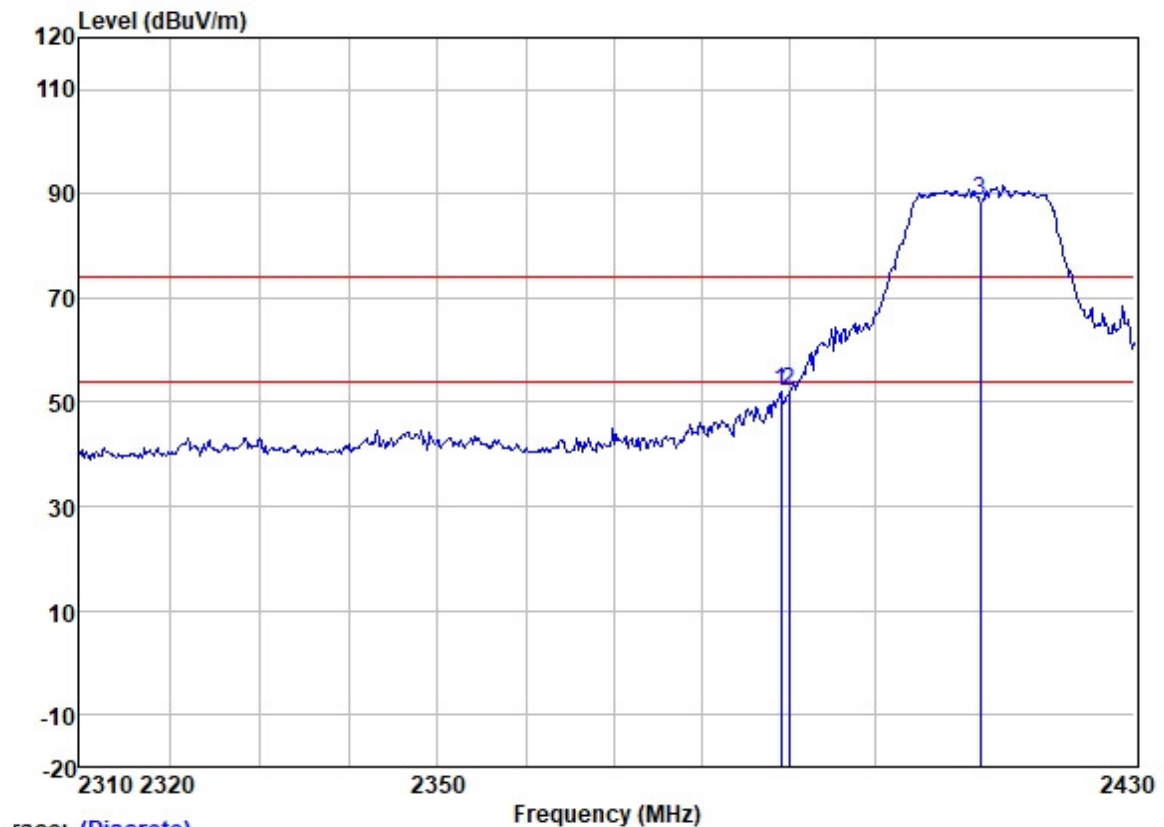


race: (Discrete)

	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	2462.000	99.42	27.82	3.81	37.74	93.31	74.00	19.31	HORIZONTAL Peak
2	2483.500	46.58	27.85	3.82	37.73	40.52	74.00	-33.48	HORIZONTAL Peak
3	2484.091	47.72	27.85	3.82	37.73	41.66	74.00	-32.34	HORIZONTAL Peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low

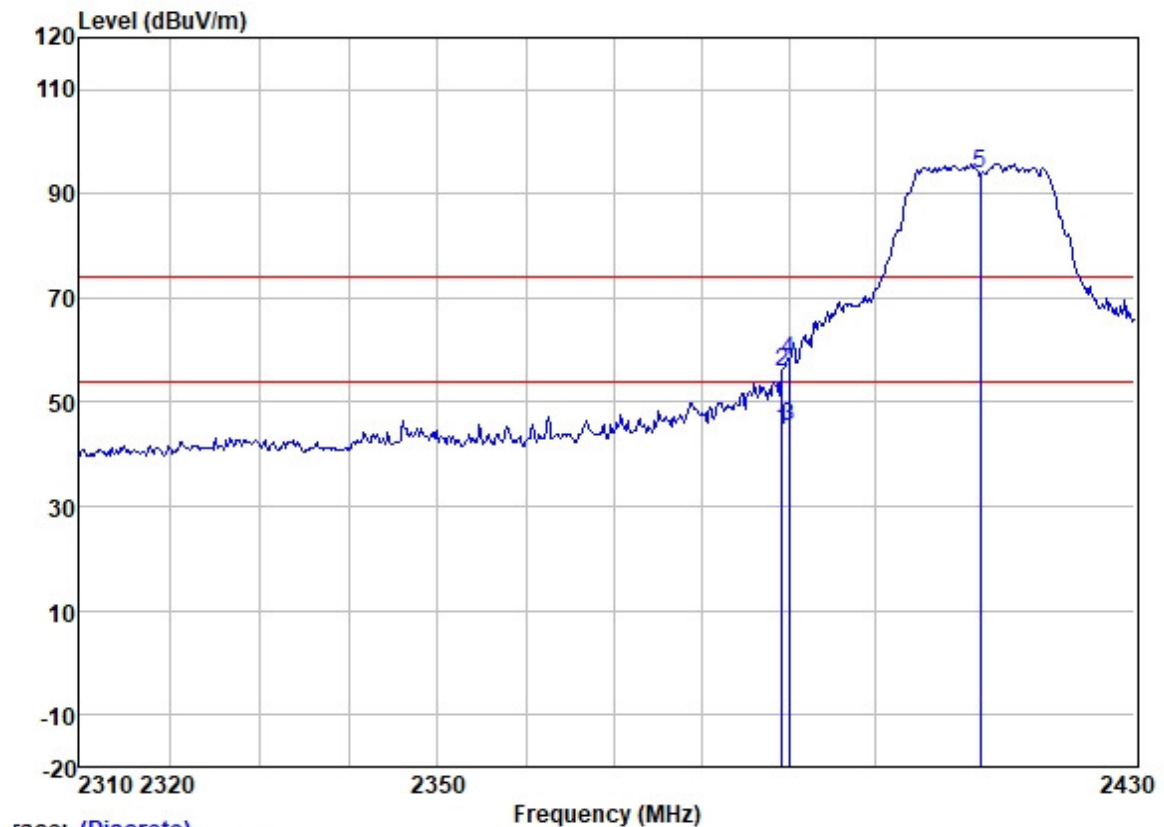


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2389.121	57.73	27.68	3.77	37.22	51.96	74.00	-22.04	VERTICAL Peak
2	2390.000	57.81	27.68	3.77	37.21	52.05	74.00	-21.95	VERTICAL Peak
3 *	2412.000	94.28	27.74	3.79	37.21	88.60	74.00	14.60	VERTICAL Peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low

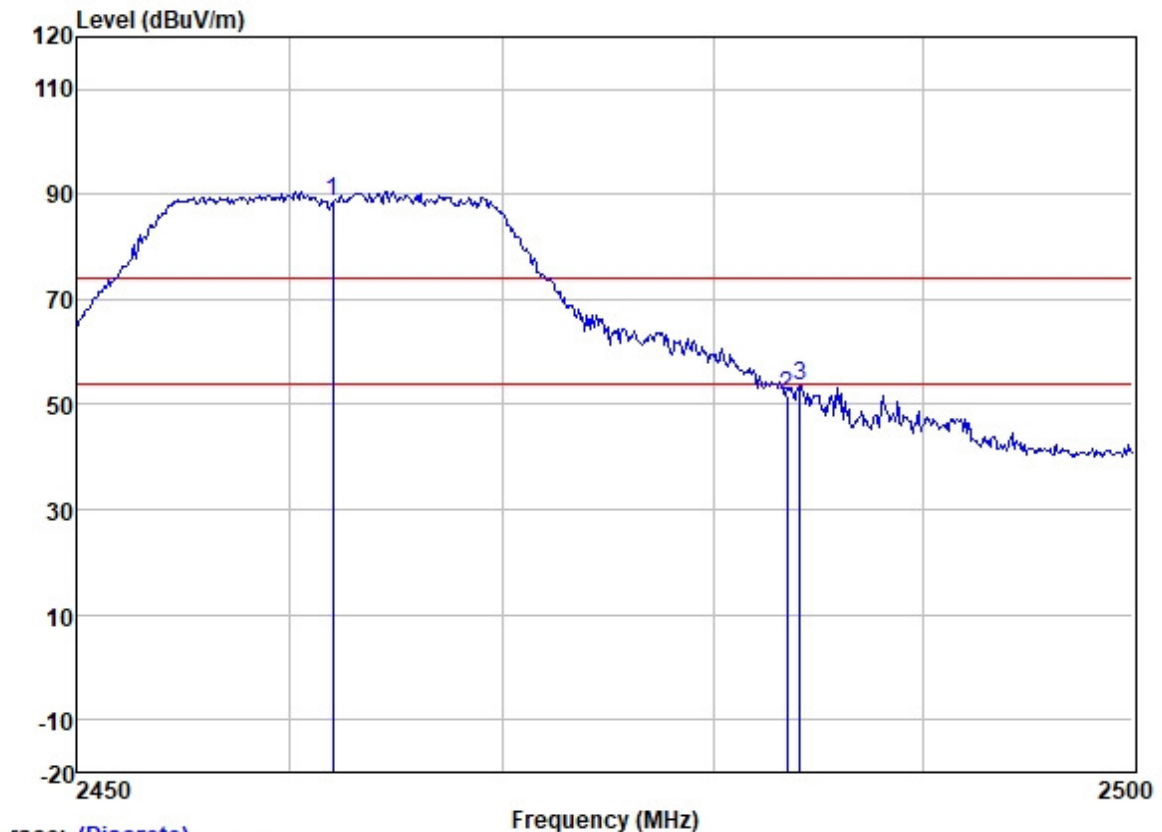


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2389.242	50.52	27.68	3.77	37.22	44.75	54.00	-9.25	HORIZONTAL Average
2	2389.242	61.49	27.68	3.77	37.22	55.72	74.00	-18.28	HORIZONTAL Peak
3	2390.000	51.26	27.68	3.77	37.21	45.50	54.00	-8.50	HORIZONTAL Average
4	2390.000	63.62	27.68	3.77	37.21	57.86	74.00	-16.14	HORIZONTAL Peak
5 *	2412.000	99.38	27.74	3.79	37.21	93.70	74.00	19.70	HORIZONTAL Peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High

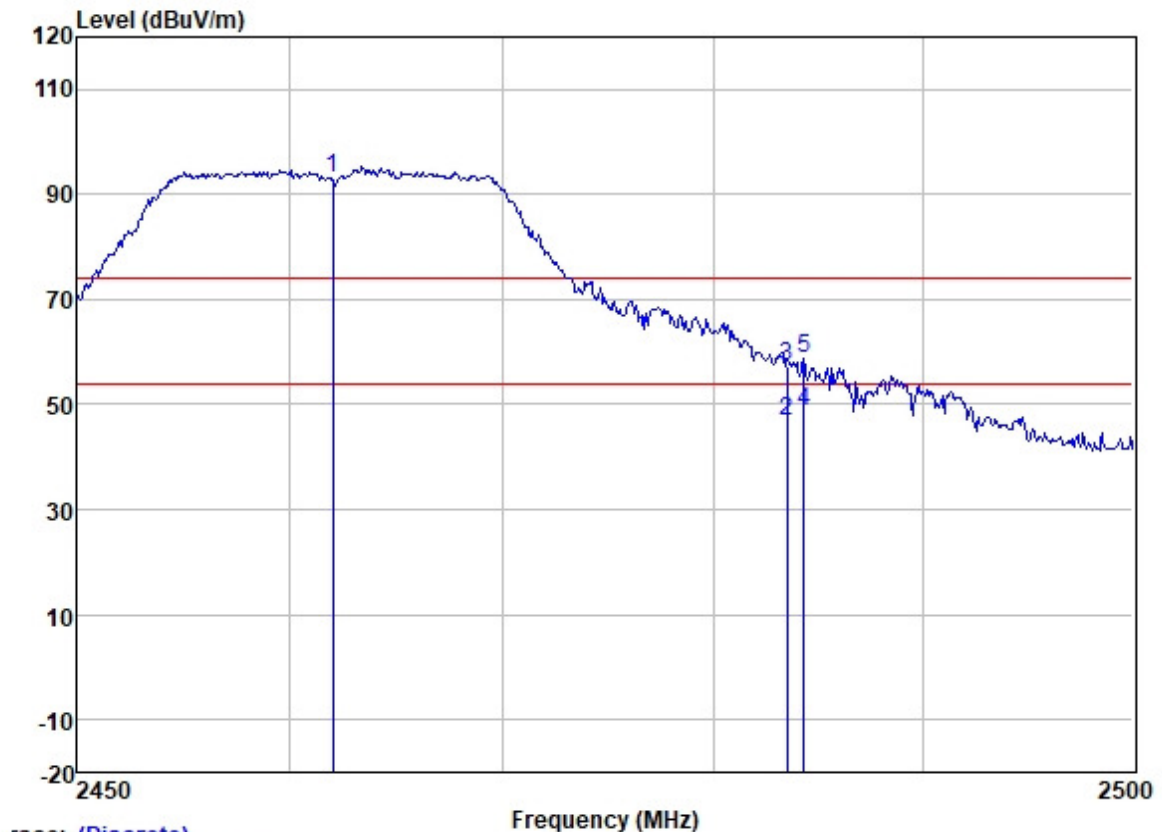


race: (Discrete)

	Read	Antenna	Cable	Preamp	Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	2462.000	94.22	27.82	3.81	37.20	88.65	74.00	14.65	VERTICAL Peak
2	2483.500	57.23	27.85	3.82	37.19	51.71	74.00	-22.29	VERTICAL Peak
3	2484.091	59.06	27.85	3.82	37.19	53.54	74.00	-20.46	VERTICAL Peak



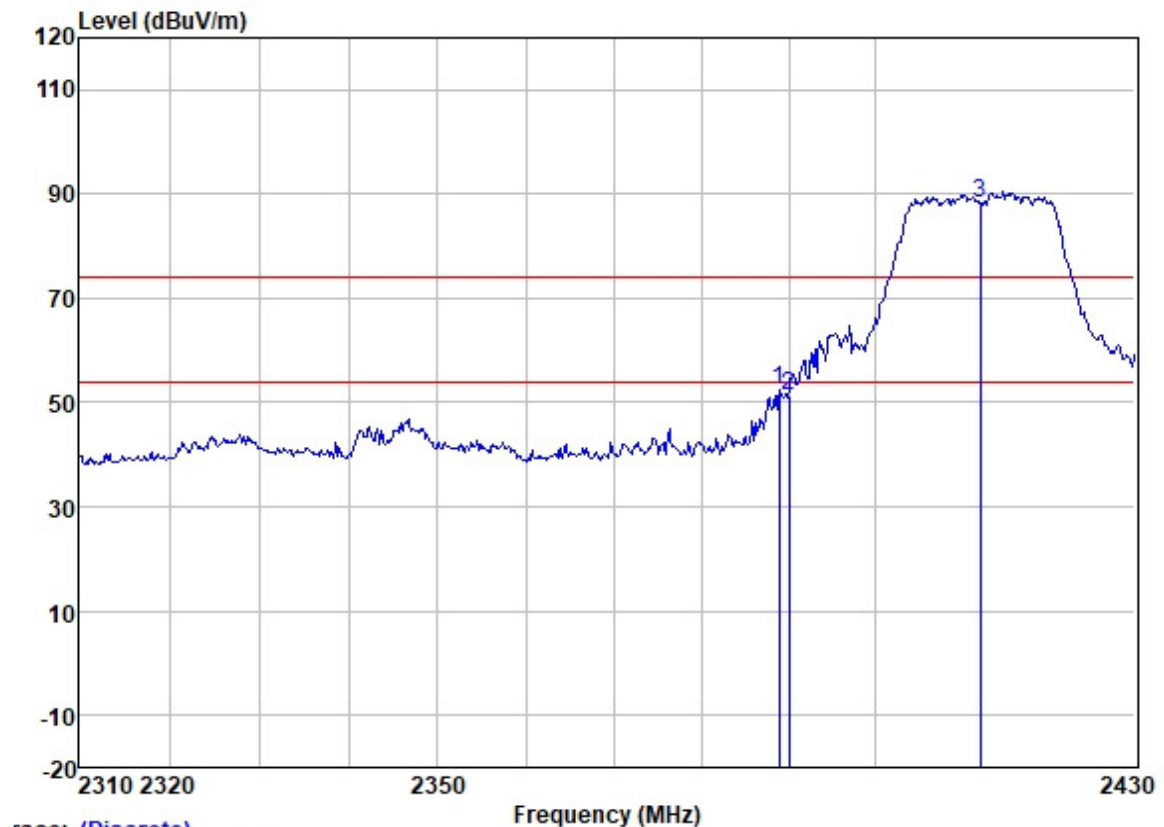
Test Mode: 01; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
		Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	2462.000	98.76	27.82	3.81	37.20	93.19	74.00	19.19	HORIZONTAL	Peak
2	2483.500	52.26	27.85	3.82	37.19	46.74	54.00	-7.26	HORIZONTAL	Average
3	2483.500	62.85	27.85	3.82	37.19	57.33	74.00	-16.67	HORIZONTAL	Peak
4	2484.292	54.17	27.85	3.82	37.19	48.65	54.00	-5.35	HORIZONTAL	Average
5	2484.292	64.32	27.85	3.82	37.19	58.80	74.00	-15.20	HORIZONTAL	Peak

Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

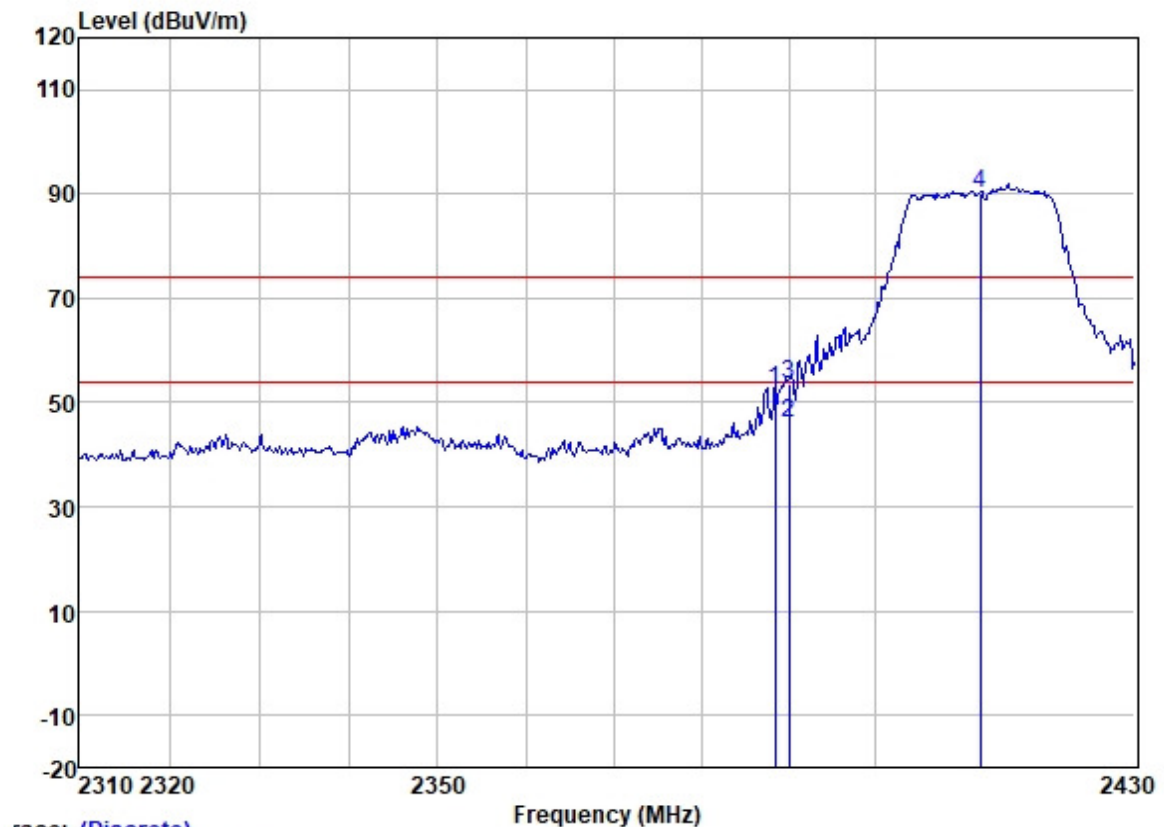


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Loss	Factor	dBuV/m	Line	Limit		
		dBuV	dB	dB	dBuV/m	dBuV/m	dB		
1	2388.879	58.29	27.68	3.77	37.22	52.52	74.00	-21.48	VERTICAL Peak
2	2390.000	57.13	27.68	3.77	37.21	51.37	74.00	-22.63	VERTICAL Peak
3 *	2412.000	94.10	27.74	3.79	37.21	88.42	74.00	14.42	VERTICAL Peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

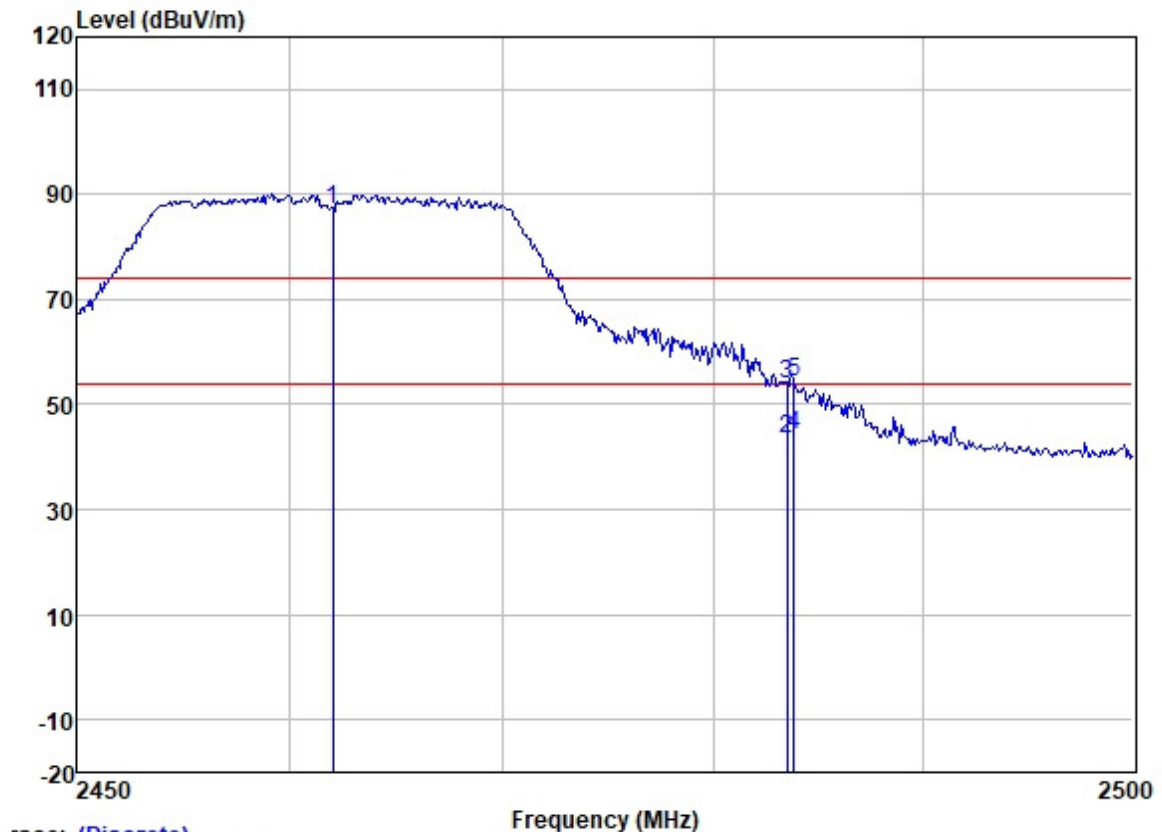


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	2388.395	58.16	27.68	3.77	37.22	52.39	74.00	-21.61	HORIZONTAL Peak
2	2390.000	51.89	27.68	3.77	37.21	46.13	54.00	-7.87	HORIZONTAL Average
3	2390.000	59.29	27.68	3.77	37.21	53.53	74.00	-20.47	HORIZONTAL Peak
4 *	2412.000	95.66	27.74	3.79	37.21	89.98	74.00	15.98	HORIZONTAL Peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

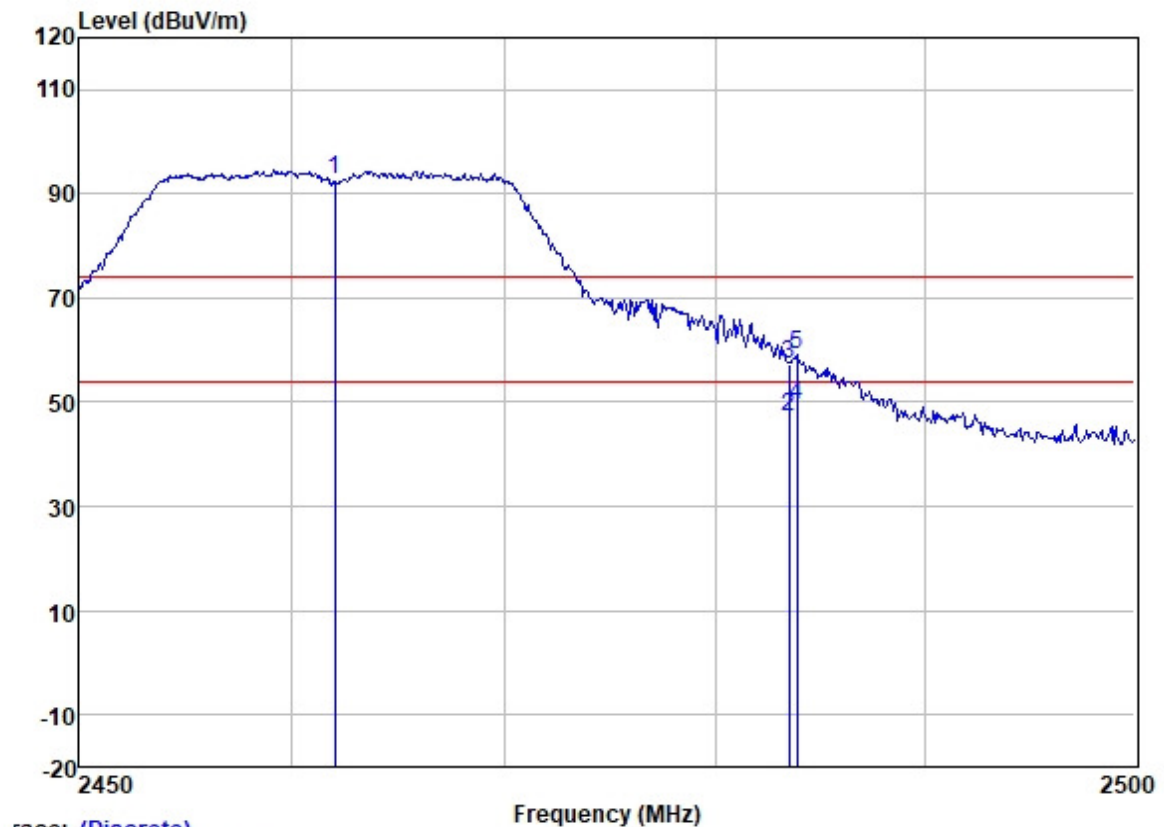


Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1 *	2462.000	92.80	27.82	3.81	37.20	87.23	74.00	13.23	VERTICAL	Peak
2	2483.500	49.00	27.85	3.82	37.19	43.48	54.00	-10.52	VERTICAL	Average
3	2483.500	59.55	27.85	3.82	37.19	54.03	74.00	-19.97	VERTICAL	Peak
4	2483.840	49.85	27.85	3.82	37.19	44.33	54.00	-9.67	VERTICAL	Average
5	2483.840	59.75	27.85	3.82	37.19	54.23	74.00	-19.77	VERTICAL	Peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1 *	2462.000	98.24	27.82	3.81	37.20	92.67	74.00	18.67	HORIZONTAL Peak
2	2483.500	52.83	27.85	3.82	37.19	47.31	54.00	-6.69	HORIZONTAL Average
3	2483.500	62.63	27.85	3.82	37.19	57.11	74.00	-16.89	HORIZONTAL Peak
4	2483.890	54.99	27.85	3.82	37.19	49.47	54.00	-4.53	HORIZONTAL Average
5	2483.890	64.77	27.85	3.82	37.19	59.25	74.00	-14.75	HORIZONTAL Peak



7.7 Radiated Spurious Emissions Below 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.4,6.5

Limit:

Test Distance: 3 m

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

7.7.1 E.U.T. Operation

Operating Environment:

Temperature: 26.2 °C

Humidity: 53.0 % RH

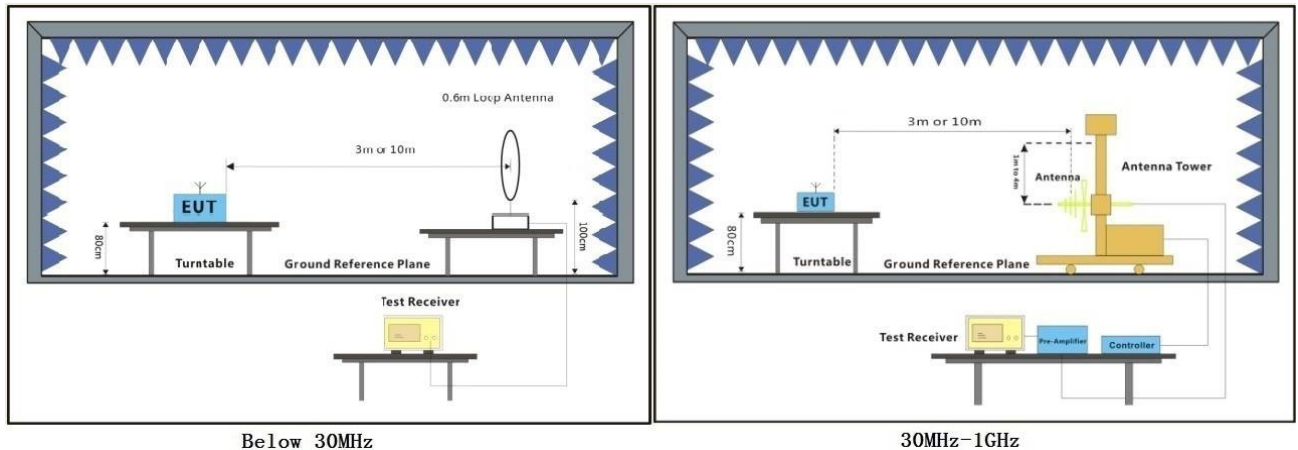
Atmospheric Pressure: 1016 mbar

7.7.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	01	TX mode_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 @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.



7.7.3 Test Setup Diagram



7.7.4 Measurement Procedure and Data

- 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.
- 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.
- 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.
- 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.
- The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- 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.
- Test the EUT in the lowest channel, the middle channel, the Highest channel.
- 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.
- Repeat above procedures until all frequencies measured was complete.

Remark:

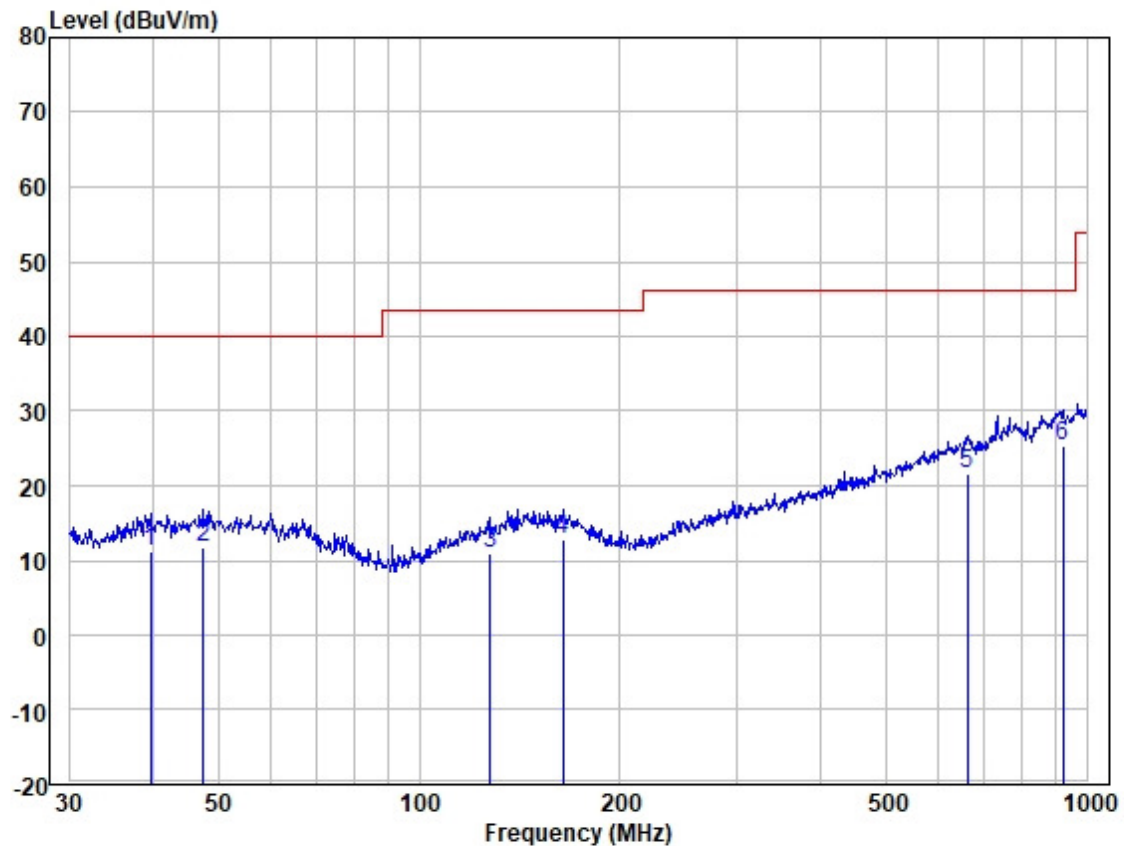
- Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
- Scan from 9kHz to 30MHz, the disturbance below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 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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Test Mode: 00 & 01; Polarity: Horizontal

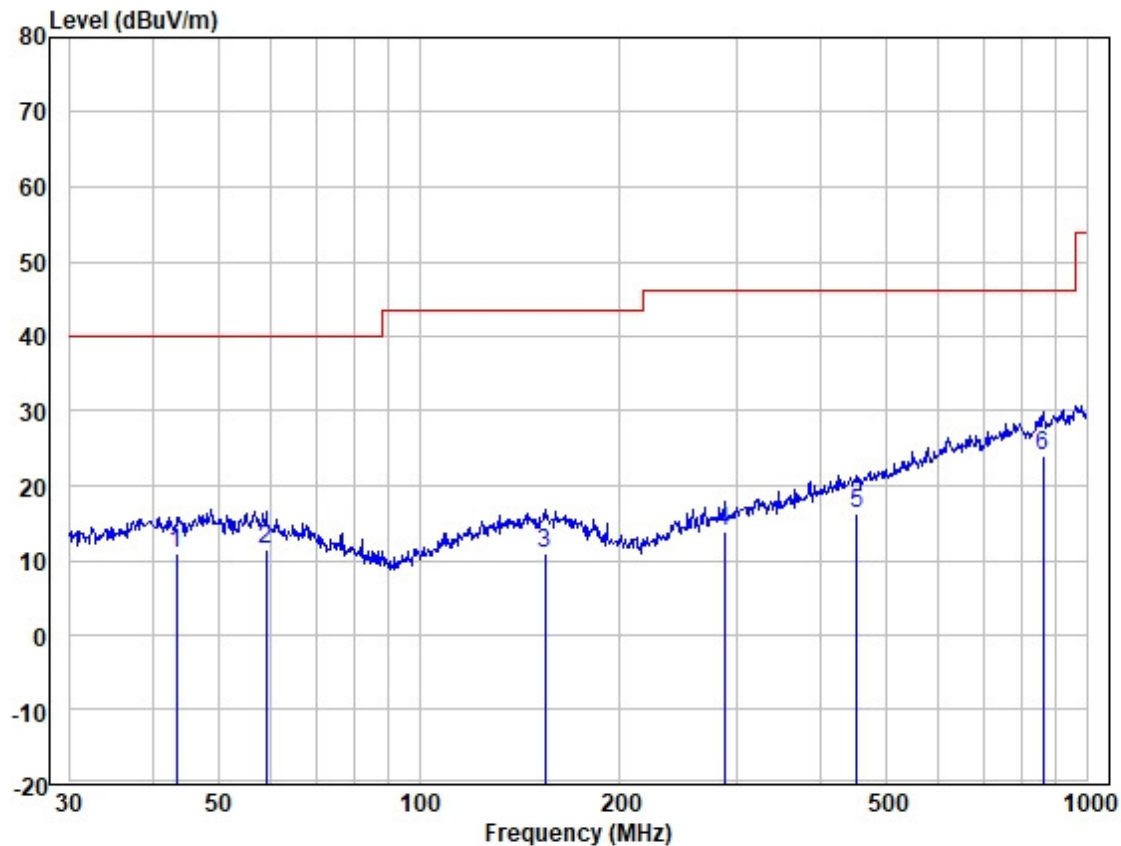


Site : 966 Chamber
Job :
Model :
Power :
Test Mode :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamplifier Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	39.576	24.58	19.09	0.35	32.83	11.19	40.00	-28.81	HORIZONTAL	QP
2	47.492	24.79	19.50	0.38	32.81	11.86	40.00	-28.14	HORIZONTAL	QP
3	127.665	25.09	17.91	0.61	32.80	10.81	43.52	-32.71	HORIZONTAL	QP
4	164.330	25.87	19.08	0.71	32.80	12.86	43.52	-30.66	HORIZONTAL	QP
5	661.151	26.34	26.60	1.51	32.76	21.69	46.02	-24.33	HORIZONTAL	QP
6	919.287	25.49	29.48	1.77	31.50	25.24	46.02	-20.78	HORIZONTAL	QP



Test Mode: 00 & 01; Polarity: Vertical



Site : 966 Chamber
Job :
Model :
Power :
Test Mode :

	Freq	Read Level	Antenna Factor	Cable Loss	Preamplifier Factor	Measured Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	43.353	23.93	19.38	0.36	32.82	10.85	40.00	-29.15	VERTICAL	QP
2	59.025	24.92	18.89	0.41	32.80	11.42	40.00	-28.58	VERTICAL	QP
3	154.279	23.86	19.14	0.68	32.80	10.88	43.52	-32.64	VERTICAL	QP
4	285.978	26.61	18.98	0.97	32.80	13.76	46.02	-32.26	VERTICAL	QP
5	452.720	25.19	22.79	1.23	32.86	16.35	46.02	-29.67	VERTICAL	QP
6	860.035	25.07	28.97	1.73	31.81	23.96	46.02	-22.06	VERTICAL	QP



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7.8 Radiated Spurious Emissions Above 1GHz

Test Requirement 47 CFR Part 15, Subpart C 15.205 & 15.209

Test Method: ANSI C63.10 (2013) Section 6.6

Limit:

Frequency (MHz)	Field strength (microvolts/meter)	Measurement distance(meters)
Above 1000	500	3

7.8.1 E.U.T. Operation

Operating Environment:

Temperature: 22.9 °C

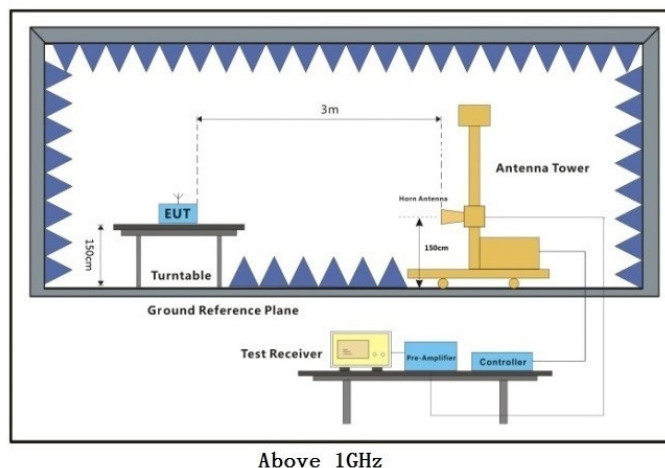
Humidity: 56.8 % RH

Atmospheric Pressure: 1016 mbar

7.8.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	TX mode(1Mbps)_Keep the EUT in continuously transmitting mode with GFSK modulation.
Final test	01	TX mode_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 @ 1Mbps is the worst case of IEEE 802.11b; data rate @ 6Mbps is the worst case of IEEE 802.11g; data rate @ 6.5Mbps is the worst case of IEEE 802.11n(HT20), final test modes are considering the modulation and worse data rates. Only the data of worst case is recorded in the report.

7.8.3 Test Setup Diagram



7.8.4 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:

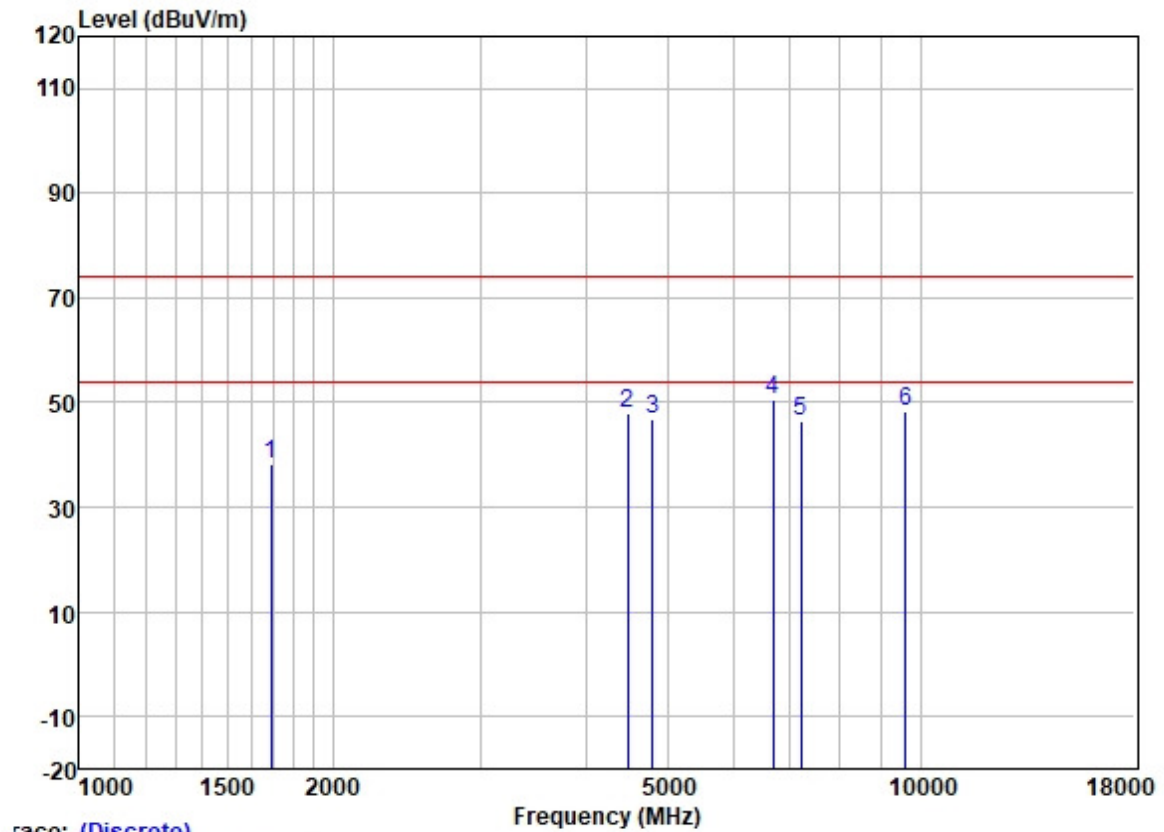
1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. Scan from 1GHz to 25GHz, the disturbance above 18GHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from 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.



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Test Mode: 00; Polarity: Vertical; Modulation: GFSK; Channel: Low

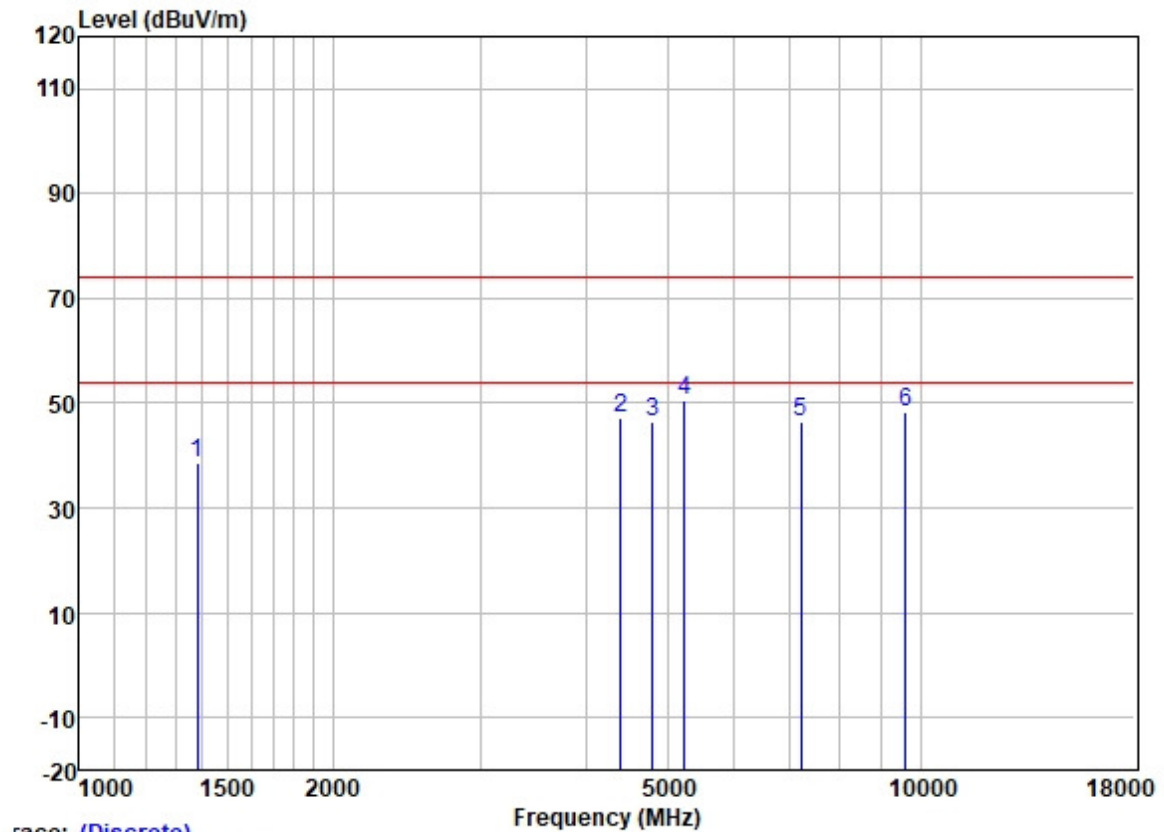


Trace: (Discrete)

	Freq	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1692.231	47.96	25.09	3.07	37.93	38.19	74.00	-35.81	VERTICAL	peak
2	4482.150	45.84	34.12	4.78	36.83	47.91	74.00	-26.09	VERTICAL	peak
3	4804.000	44.26	34.16	5.15	36.86	46.71	74.00	-27.29	VERTICAL	peak
4	6679.040	46.42	34.28	6.82	37.05	50.47	74.00	-23.53	VERTICAL	peak
5	7206.000	41.02	35.63	6.96	37.13	46.48	74.00	-27.52	VERTICAL	peak
6	9608.000	39.05	38.68	7.65	37.02	48.36	74.00	-25.64	VERTICAL	peak



Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:Low

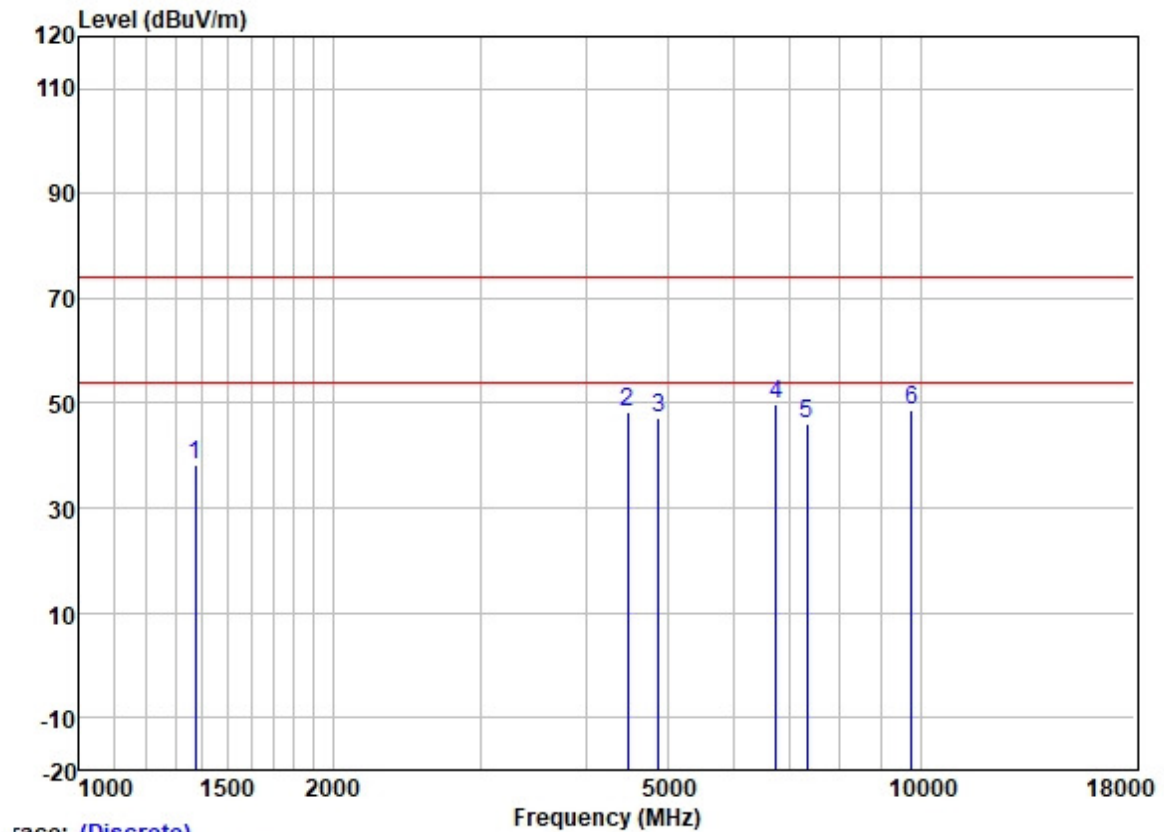


Trace: (Discrete)

	Freq	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Level	Limit Line	Over Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1382.262	49.42	24.22	2.88	37.97	38.55	74.00	-35.45	HORIZONTAL	peak
2	4405.090	45.55	33.74	4.79	36.82	47.26	74.00	-26.74	HORIZONTAL	peak
3	4804.000	44.05	34.16	5.15	36.86	46.50	74.00	-27.50	HORIZONTAL	peak
4	5239.274	48.59	33.45	5.45	36.94	50.55	74.00	-23.45	HORIZONTAL	peak
5	7206.000	40.98	35.63	6.96	37.13	46.44	74.00	-27.56	HORIZONTAL	peak
6	9608.000	39.14	38.68	7.65	37.02	48.45	74.00	-25.55	HORIZONTAL	peak



Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:middle



Trace: (Discrete)

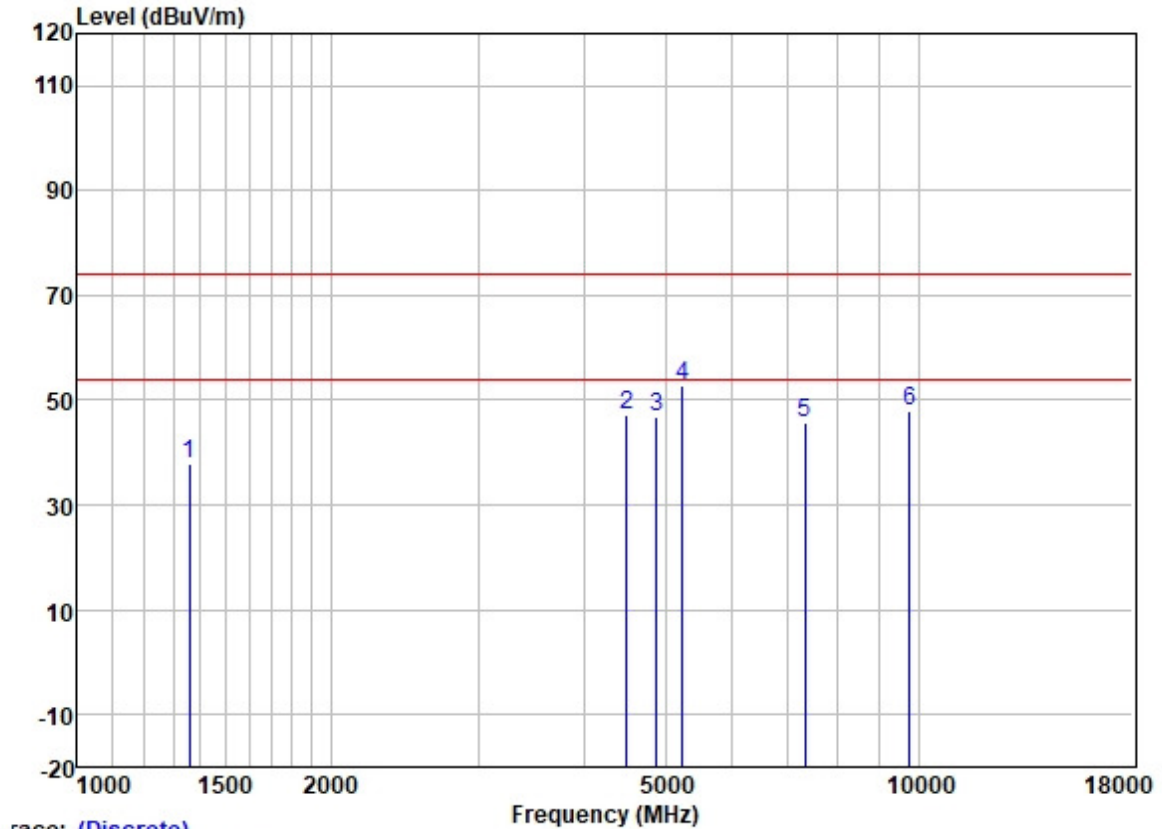
	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1374.295	49.08	24.20	2.87	37.97	38.18	74.00	-35.82	VERTICAL	peak
2	4482.150	46.11	34.12	4.78	36.83	48.18	74.00	-25.82	VERTICAL	peak
3	4880.000	44.66	34.15	5.22	36.87	47.16	74.00	-26.84	VERTICAL	peak
4	6737.207	45.57	34.49	6.89	37.05	49.90	74.00	-24.10	VERTICAL	peak
5	7320.000	40.45	36.07	6.81	37.15	46.18	74.00	-27.82	VERTICAL	peak
6	9760.000	39.29	38.81	7.65	37.01	48.74	74.00	-25.26	VERTICAL	peak



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Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:middle

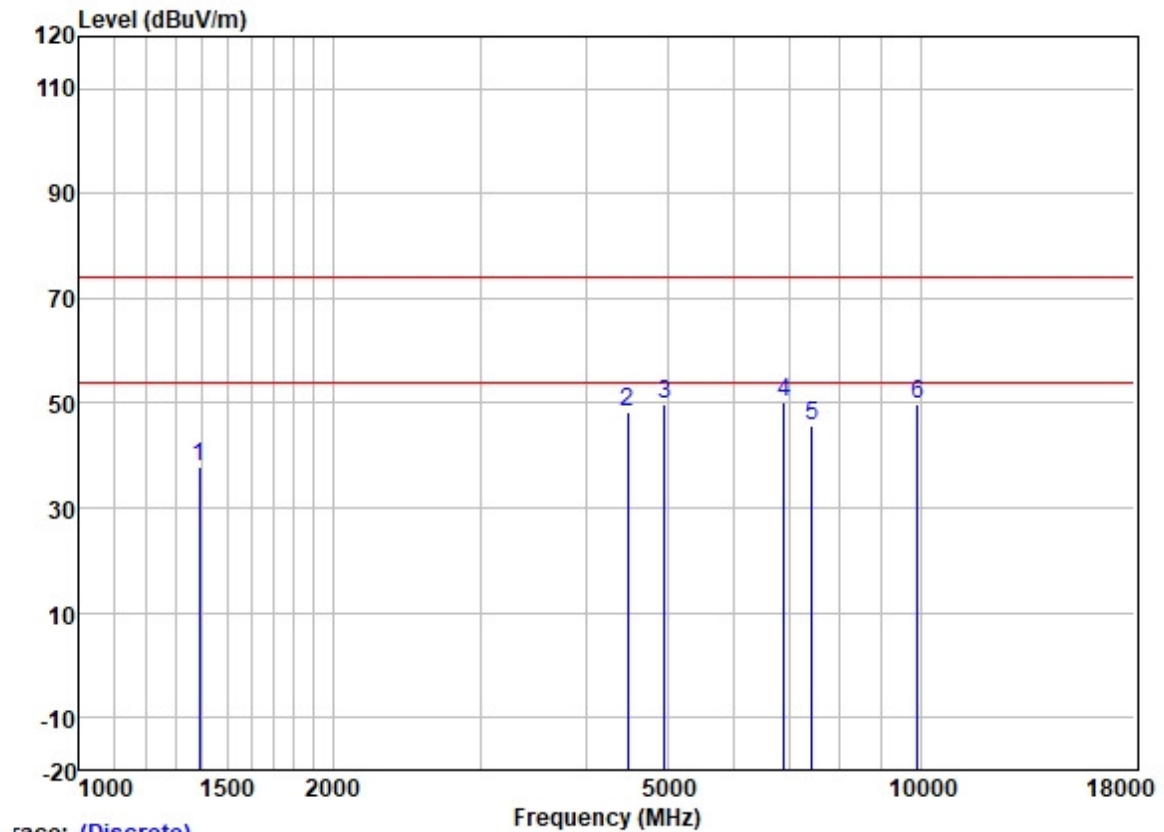


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1358.498	48.63	24.16	2.86	37.97	37.68	74.00	-36.32	HORIZONTAL	peak
2	4495.125	45.25	34.17	4.78	36.83	47.37	74.00	-26.63	HORIZONTAL	peak
3	4880.000	44.50	34.15	5.22	36.87	47.00	74.00	-27.00	HORIZONTAL	peak
4	5239.274	50.70	33.45	5.45	36.94	52.66	74.00	-21.34	HORIZONTAL	peak
5	7320.000	40.04	36.07	6.81	37.15	45.77	74.00	-28.23	HORIZONTAL	peak
6	9760.000	38.46	38.81	7.65	37.01	47.91	74.00	-26.09	HORIZONTAL	peak



Test Mode: 00; Polarity: Vertical; Modulation:GFSK; Channel:High

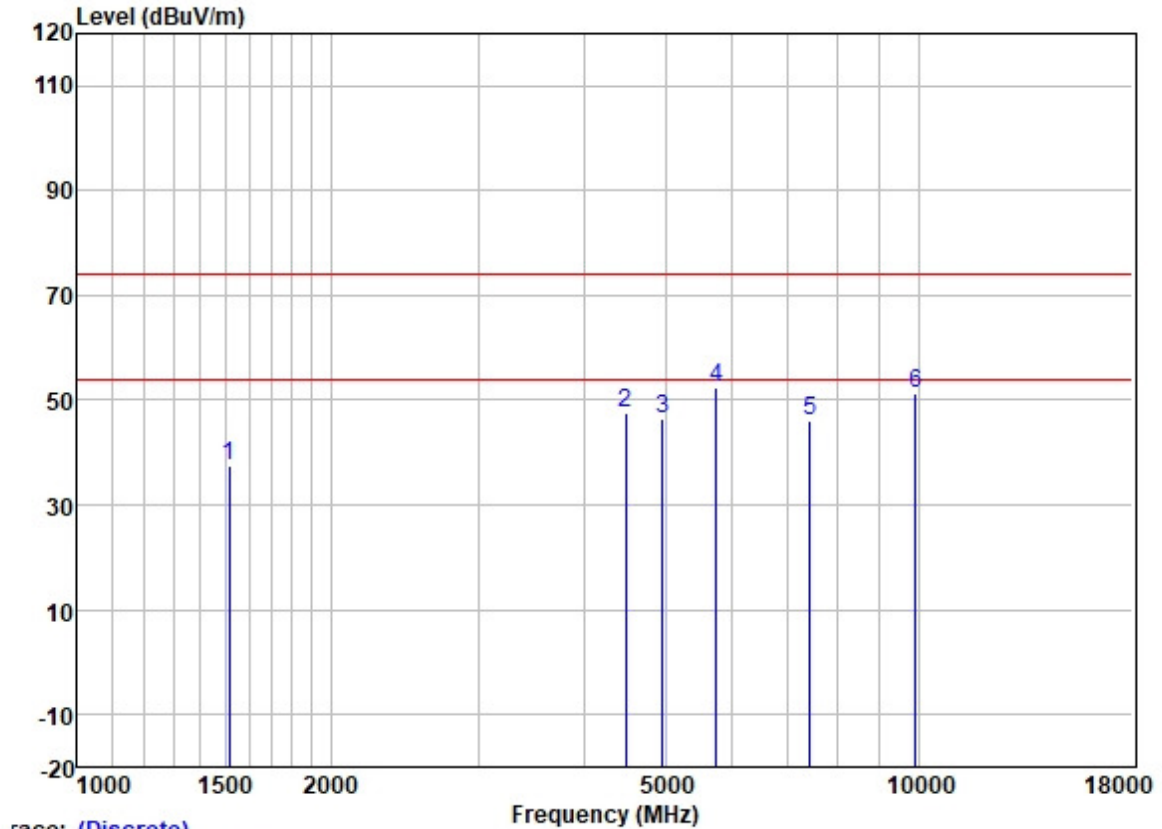


race: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1390.276	48.72	24.24	2.88	37.97	37.87	74.00	-36.13	VERTICAL	peak
2	4482.150	46.25	34.12	4.78	36.83	48.32	74.00	-25.68	VERTICAL	peak
3	4960.000	47.22	34.15	5.28	36.89	49.76	74.00	-24.24	VERTICAL	peak
4	6874.906	45.39	34.88	7.04	37.07	50.24	74.00	-23.76	VERTICAL	peak
5	7440.000	39.85	36.33	6.72	37.16	45.74	74.00	-28.26	VERTICAL	peak
6	9920.000	40.08	38.95	7.67	37.00	49.70	74.00	-24.30	VERTICAL	peak



Test Mode: 00; Polarity: Horizontal; Modulation:GFSK; Channel:High



Trace: (Discrete)

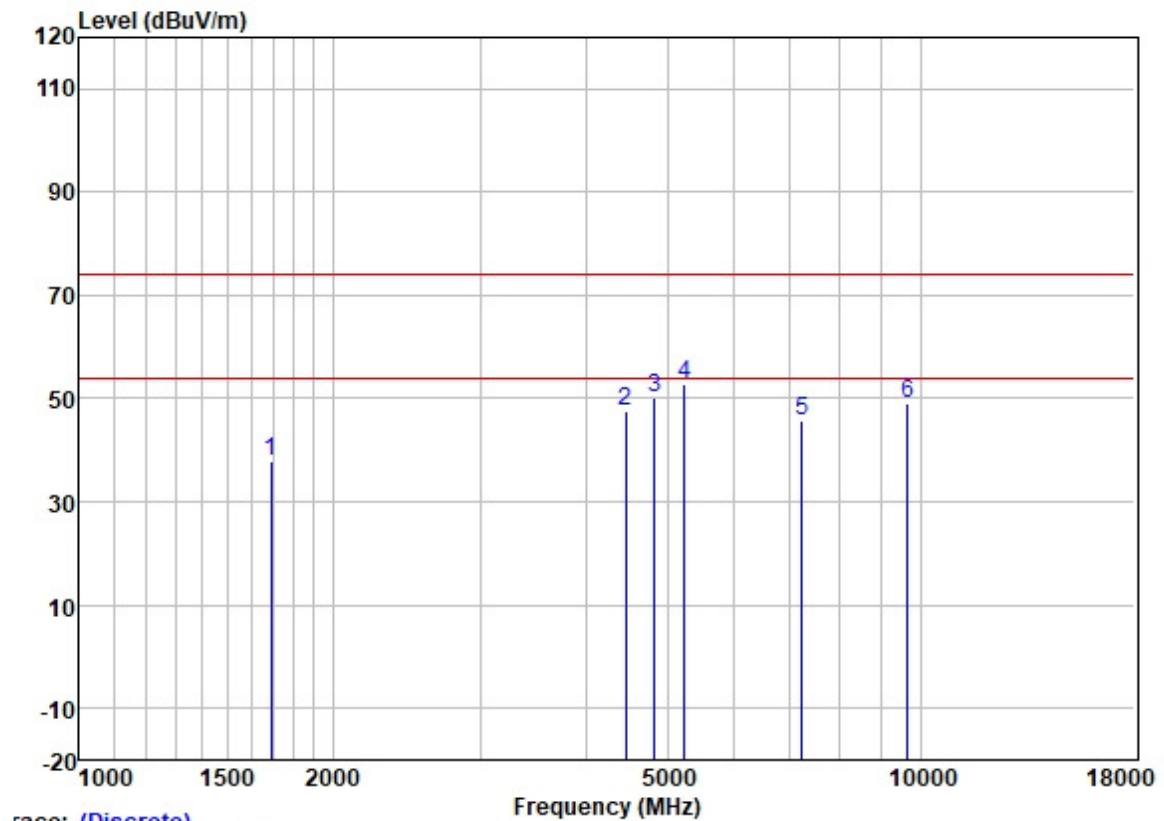
	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1516.210	47.88	24.47	2.95	37.95	37.35	74.00	-36.65	HORIZONTAL peak
2	4482.150	45.50	34.12	4.78	36.83	47.57	74.00	-26.43	HORIZONTAL peak
3	4960.000	44.08	34.15	5.28	36.89	46.62	74.00	-27.38	HORIZONTAL peak
4	5746.982	50.86	32.65	5.74	36.99	52.26	74.00	-21.74	HORIZONTAL peak
5	7440.000	40.32	36.33	6.72	37.16	46.21	74.00	-27.79	HORIZONTAL peak
6	9920.000	41.57	38.95	7.67	37.00	51.19	74.00	-22.81	HORIZONTAL peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:Low

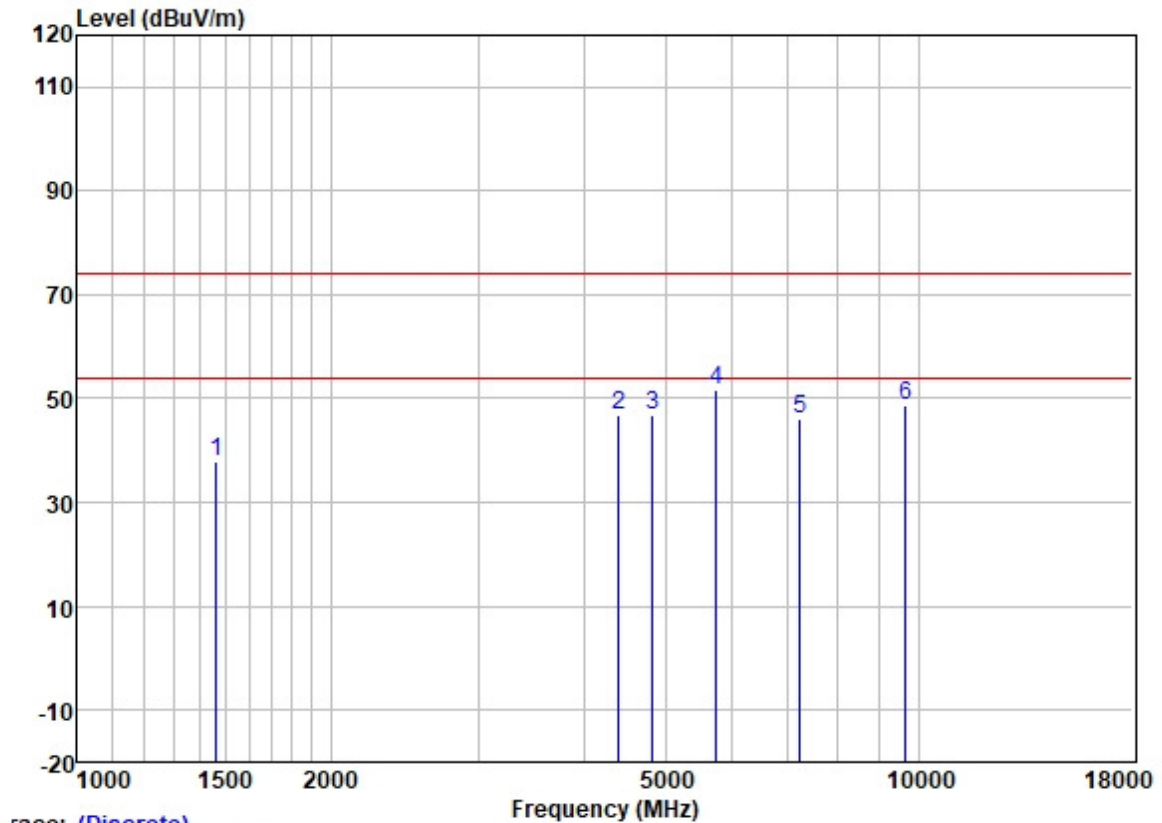


Trace: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1692.231	47.71	25.09	3.07	37.93	37.94	74.00	-36.06	VERTICAL peak
2	4456.315	45.46	34.00	4.79	36.83	47.42	74.00	-26.58	VERTICAL peak
3	4824.000	47.80	34.16	5.16	36.87	50.25	74.00	-23.75	VERTICAL peak
4	5239.274	50.73	33.45	5.45	36.94	52.69	74.00	-21.31	VERTICAL peak
5	7236.000	40.12	35.78	6.90	37.14	45.66	74.00	-28.34	VERTICAL peak
6	9648.000	39.74	38.70	7.65	37.02	49.07	74.00	-24.93	VERTICAL peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:Low

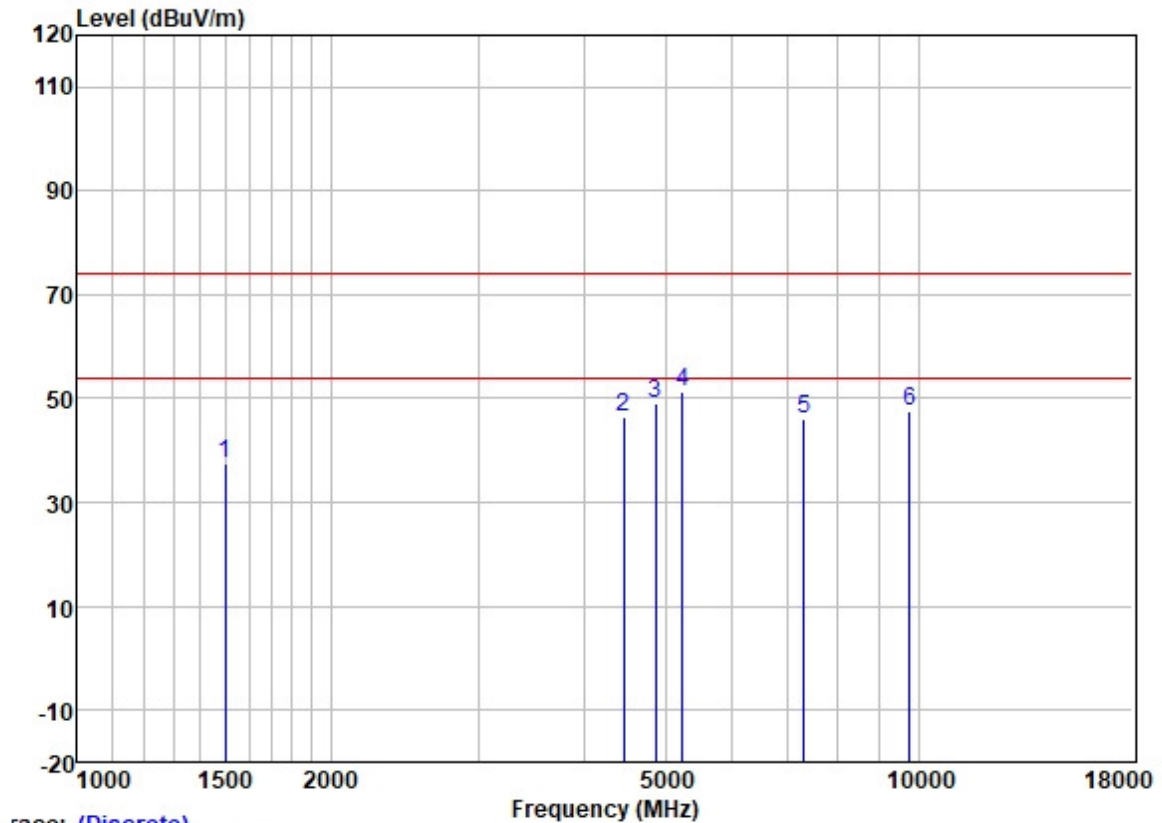


race: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over		
	MHz	Level	Loss	Factor	dBuV/m	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dB		
1	1464.522	48.41	24.38	2.92	37.96	37.75	74.00	-36.25	HORIZONTAL peak
2	4405.090	45.13	33.74	4.79	36.82	46.84	74.00	-27.16	HORIZONTAL peak
3	4824.000	44.20	34.16	5.16	36.87	46.65	74.00	-27.35	HORIZONTAL peak
4	5746.982	50.42	32.65	5.74	36.99	51.82	74.00	-22.18	HORIZONTAL peak
5	7236.000	40.61	35.78	6.90	37.14	46.15	74.00	-27.85	HORIZONTAL peak
6	9648.000	39.31	38.70	7.65	37.02	48.64	74.00	-25.36	HORIZONTAL peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:middle

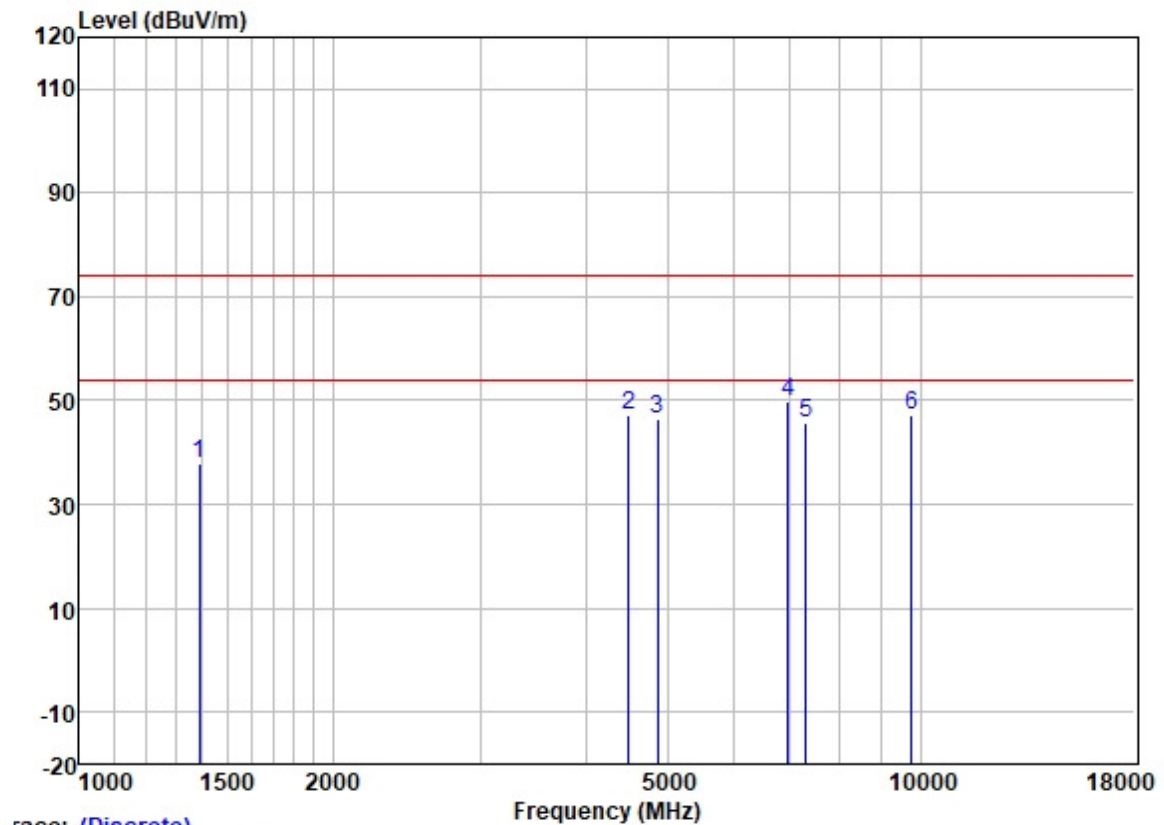


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1498.781	48.20	24.43	2.94	37.95	37.62	74.00	-36.38	VERTICAL peak
2	4456.315	44.62	34.00	4.79	36.83	46.58	74.00	-27.42	VERTICAL peak
3	4874.000	46.45	34.15	5.22	36.87	48.95	74.00	-25.05	VERTICAL peak
4	5239.274	49.51	33.45	5.45	36.94	51.47	74.00	-22.53	VERTICAL peak
5	7311.000	40.54	36.00	6.83	37.15	46.22	74.00	-27.78	VERTICAL peak
6	9748.000	38.15	38.81	7.65	37.01	47.60	74.00	-26.40	VERTICAL peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:middle

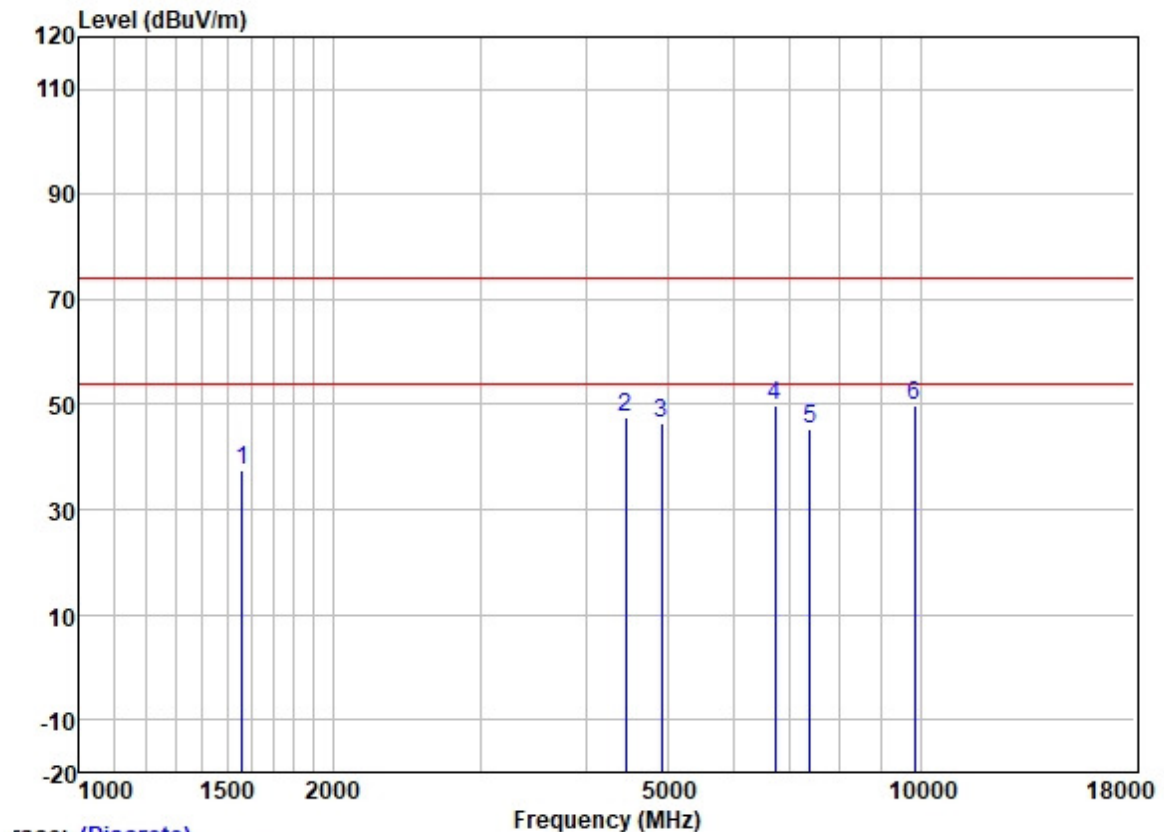


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over		
	MHz	Level	Factor	Loss	Factor	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1390.276	48.76	24.24	2.88	37.97	37.91	74.00	-36.09	HORIZONTAL peak
2	4495.125	45.21	34.17	4.78	36.83	47.33	74.00	-26.67	HORIZONTAL peak
3	4874.000	44.02	34.15	5.22	36.87	46.52	74.00	-27.48	HORIZONTAL peak
4	6954.852	44.95	35.04	7.10	37.09	50.00	74.00	-24.00	HORIZONTAL peak
5	7311.000	40.21	36.00	6.83	37.15	45.89	74.00	-28.11	HORIZONTAL peak
6	9748.000	37.79	38.81	7.65	37.01	47.24	74.00	-26.76	HORIZONTAL peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11b; Bandwidth:20MHz; Channel:High

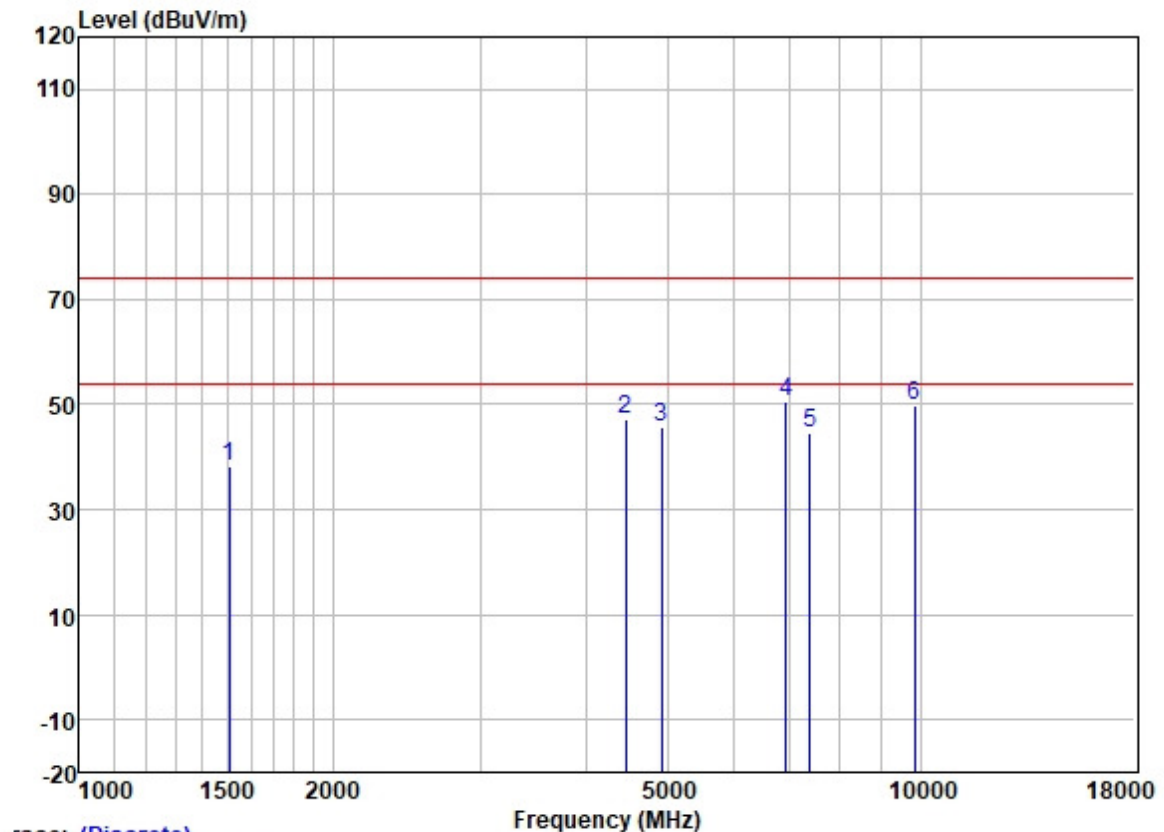


race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1560.673	48.00	24.57	2.97	37.94	37.60	74.00	-36.40	VERTICAL peak
2	4456.315	45.64	34.00	4.79	36.83	47.60	74.00	-26.40	VERTICAL peak
3	4924.000	43.94	34.15	5.26	36.88	46.47	74.00	-27.53	VERTICAL peak
4	6717.762	45.73	34.42	6.87	37.05	49.97	74.00	-24.03	VERTICAL peak
5	7386.000	39.56	36.23	6.75	37.16	45.38	74.00	-28.62	VERTICAL peak
6	9848.000	40.30	38.88	7.66	37.01	49.83	74.00	-24.17	VERTICAL peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11b; Bandwidth:20MHz; Channel:High



race: (Discrete)

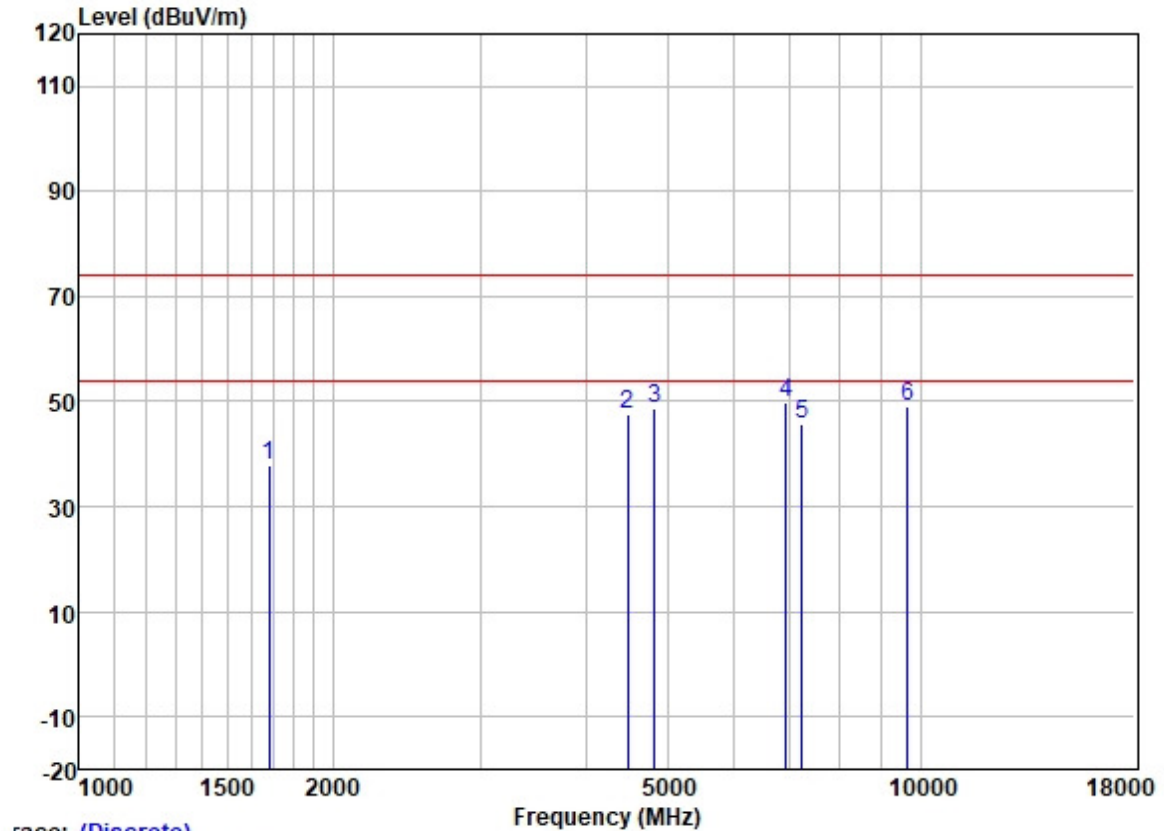
		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1507.470	48.67	24.45	2.94	37.95	38.11	74.00	-35.89	HORIZONTAL	peak
2	4456.315	45.31	34.00	4.79	36.83	47.27	74.00	-26.73	HORIZONTAL	peak
3	4924.000	43.35	34.15	5.26	36.88	45.88	74.00	-28.12	HORIZONTAL	peak
4	6914.763	45.60	34.97	7.08	37.08	50.57	74.00	-23.43	HORIZONTAL	peak
5	7386.000	38.84	36.23	6.75	37.16	44.66	74.00	-29.34	HORIZONTAL	peak
6	9848.000	40.35	38.88	7.66	37.01	49.88	74.00	-24.12	HORIZONTAL	peak



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Test Mode: 01; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:Low

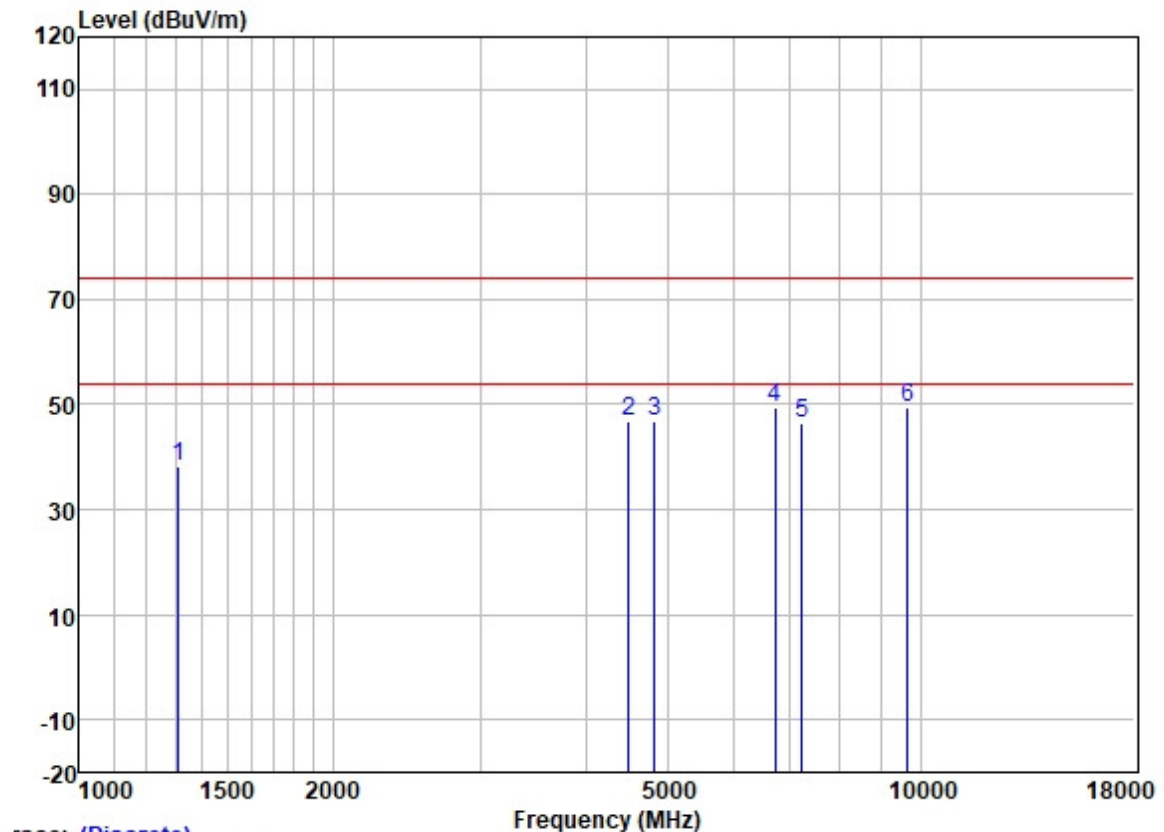


Trace: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1682.477	47.53	25.03	3.06	37.93	37.69	74.00	-36.31	VERTICAL peak
2	4482.150	45.63	34.12	4.78	36.83	47.70	74.00	-26.30	VERTICAL peak
3	4824.000	46.18	34.16	5.16	36.87	48.63	74.00	-25.37	VERTICAL peak
4	6914.763	44.71	34.97	7.08	37.08	49.68	74.00	-24.32	VERTICAL peak
5	7236.000	40.26	35.78	6.90	37.14	45.80	74.00	-28.20	VERTICAL peak
6	9648.000	39.87	38.70	7.65	37.02	49.20	74.00	-24.80	VERTICAL peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:Low

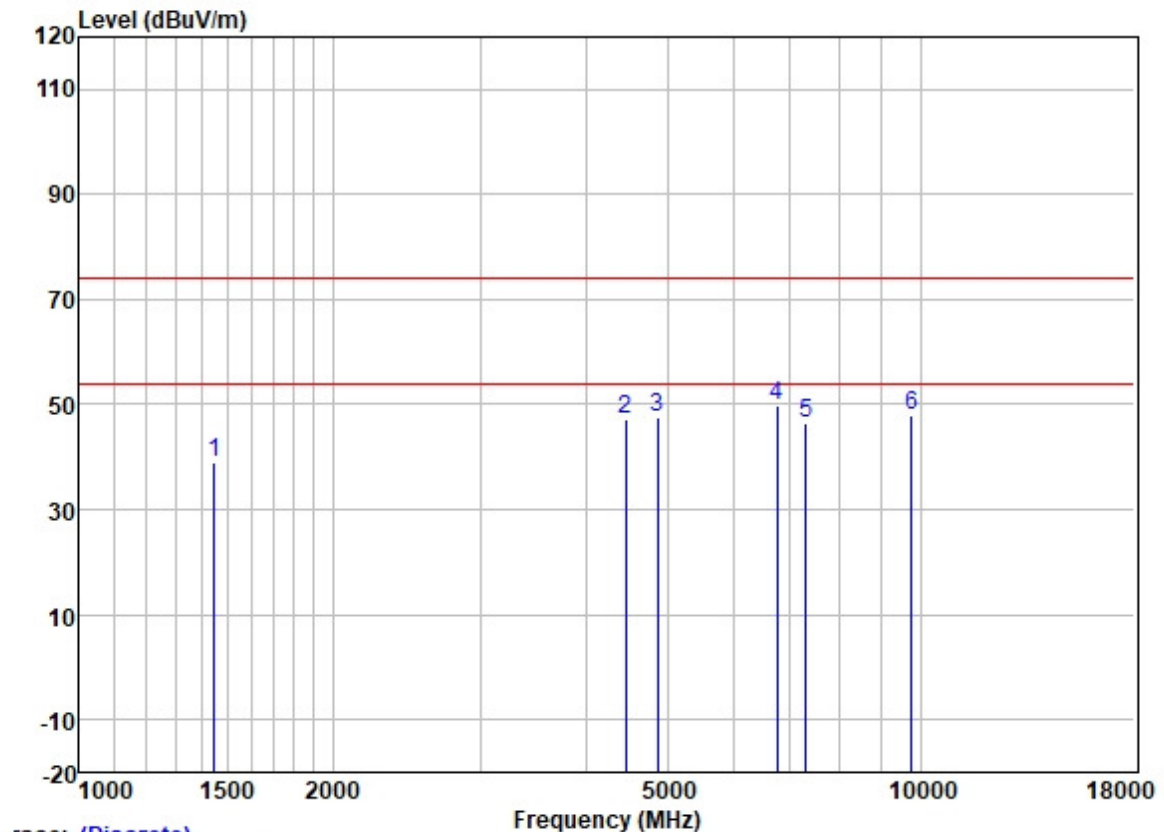


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp		Limit	Over			
	MHz	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1312.187	49.39	24.02	2.81	37.98	38.24	74.00	-35.76	HORIZONTAL	peak
2	4495.125	44.81	34.17	4.78	36.83	46.93	74.00	-27.07	HORIZONTAL	peak
3	4824.000	44.47	34.16	5.16	36.87	46.92	74.00	-27.08	HORIZONTAL	peak
4	6717.762	45.25	34.42	6.87	37.05	49.49	74.00	-24.51	HORIZONTAL	peak
5	7236.000	40.73	35.78	6.90	37.14	46.27	74.00	-27.73	HORIZONTAL	peak
6	9648.000	40.17	38.70	7.65	37.02	49.50	74.00	-24.50	HORIZONTAL	peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:middle



Trace: (Discrete)

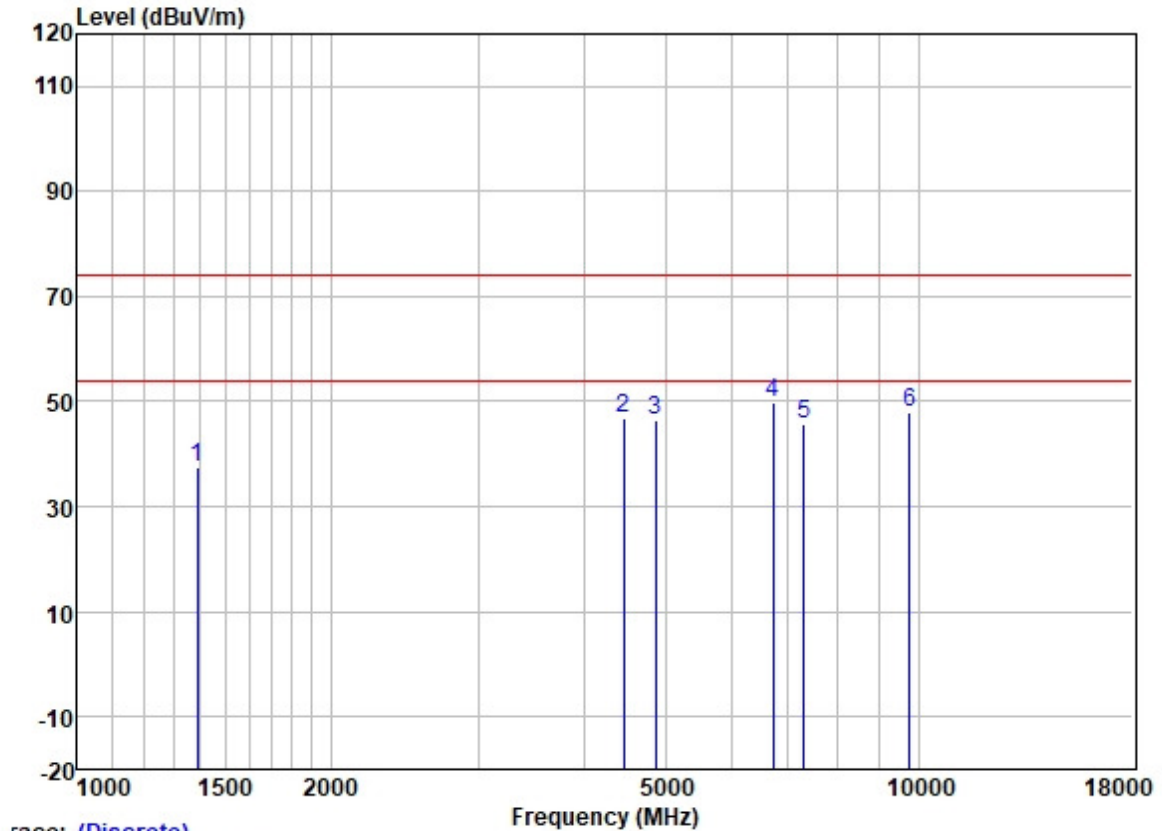
	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1447.688	49.54	24.35	2.92	37.96	38.85	74.00	-35.15	VERTICAL peak
2	4456.315	45.22	34.00	4.79	36.83	47.18	74.00	-26.82	VERTICAL peak
3	4874.000	45.14	34.15	5.22	36.87	47.64	74.00	-26.36	VERTICAL peak
4	6756.708	45.32	34.56	6.92	37.06	49.74	74.00	-24.26	VERTICAL peak
5	7311.000	40.73	36.00	6.83	37.15	46.41	74.00	-27.59	VERTICAL peak
6	9748.000	38.67	38.81	7.65	37.01	48.12	74.00	-25.88	VERTICAL peak



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Test Mode: 01; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:middle

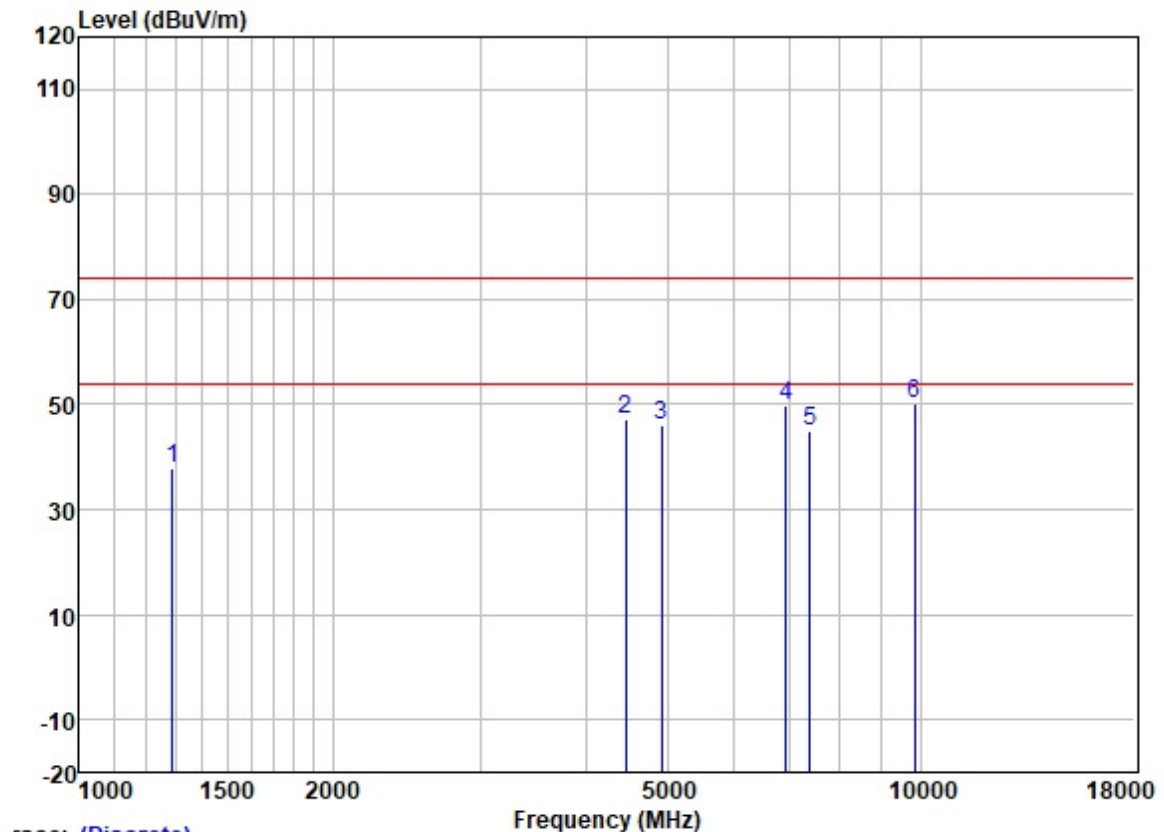


race: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1390.276	48.50	24.24	2.88	37.97	37.65	74.00	-36.35	HORIZONTAL	peak
2	4456.315	45.00	34.00	4.79	36.83	46.96	74.00	-27.04	HORIZONTAL	peak
3	4874.000	44.08	34.15	5.22	36.87	46.58	74.00	-27.42	HORIZONTAL	peak
4	6717.762	45.72	34.42	6.87	37.05	49.96	74.00	-24.04	HORIZONTAL	peak
5	7311.000	40.15	36.00	6.83	37.15	45.83	74.00	-28.17	HORIZONTAL	peak
6	9748.000	38.42	38.81	7.65	37.01	47.87	74.00	-26.13	HORIZONTAL	peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11g; Bandwidth:20MHz; Channel:High

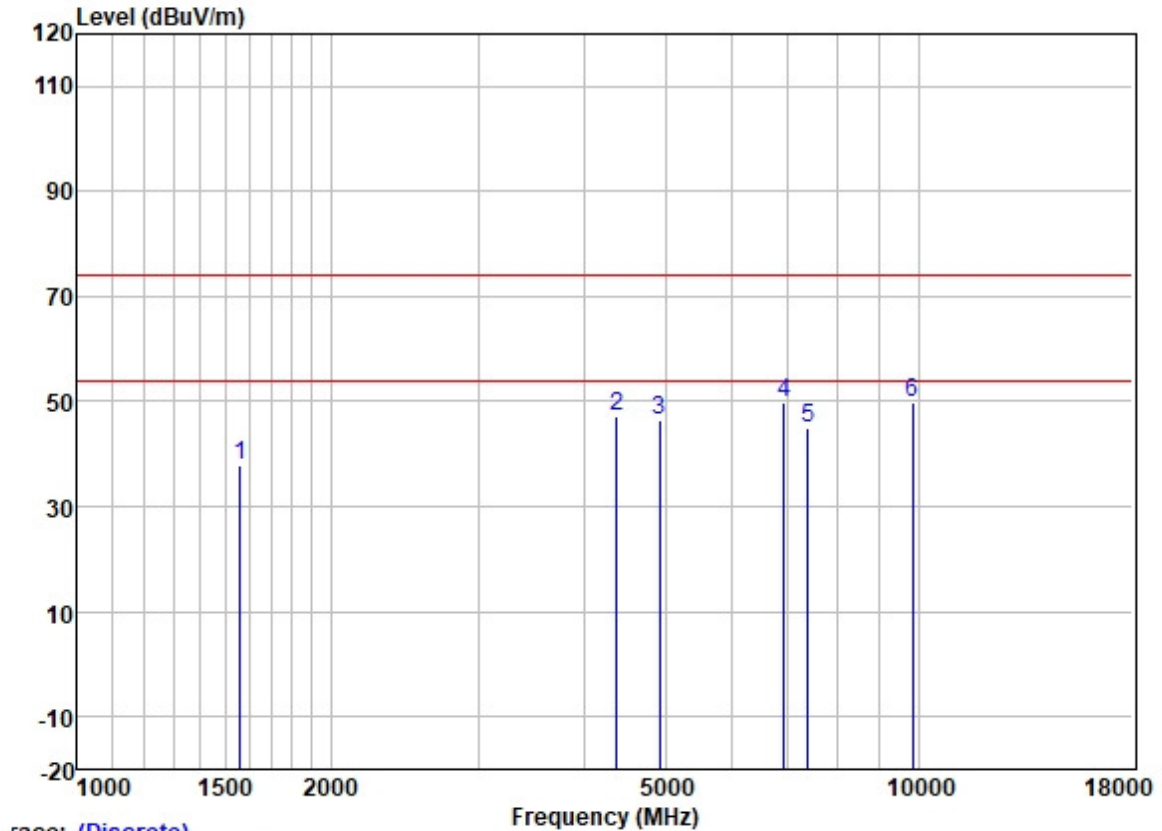


race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1289.627	49.07	23.92	2.79	37.98	37.80	74.00	-36.20	VERTICAL peak
2	4456.315	45.33	34.00	4.79	36.83	47.29	74.00	-26.71	VERTICAL peak
3	4924.000	43.66	34.15	5.26	36.88	46.19	74.00	-27.81	VERTICAL peak
4	6914.763	44.67	34.97	7.08	37.08	49.64	74.00	-24.36	VERTICAL peak
5	7386.000	39.07	36.23	6.75	37.16	44.89	74.00	-29.11	VERTICAL peak
6	9848.000	40.70	38.88	7.66	37.01	50.23	74.00	-23.77	VERTICAL peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11g; Bandwidth:20MHz; Channel:High

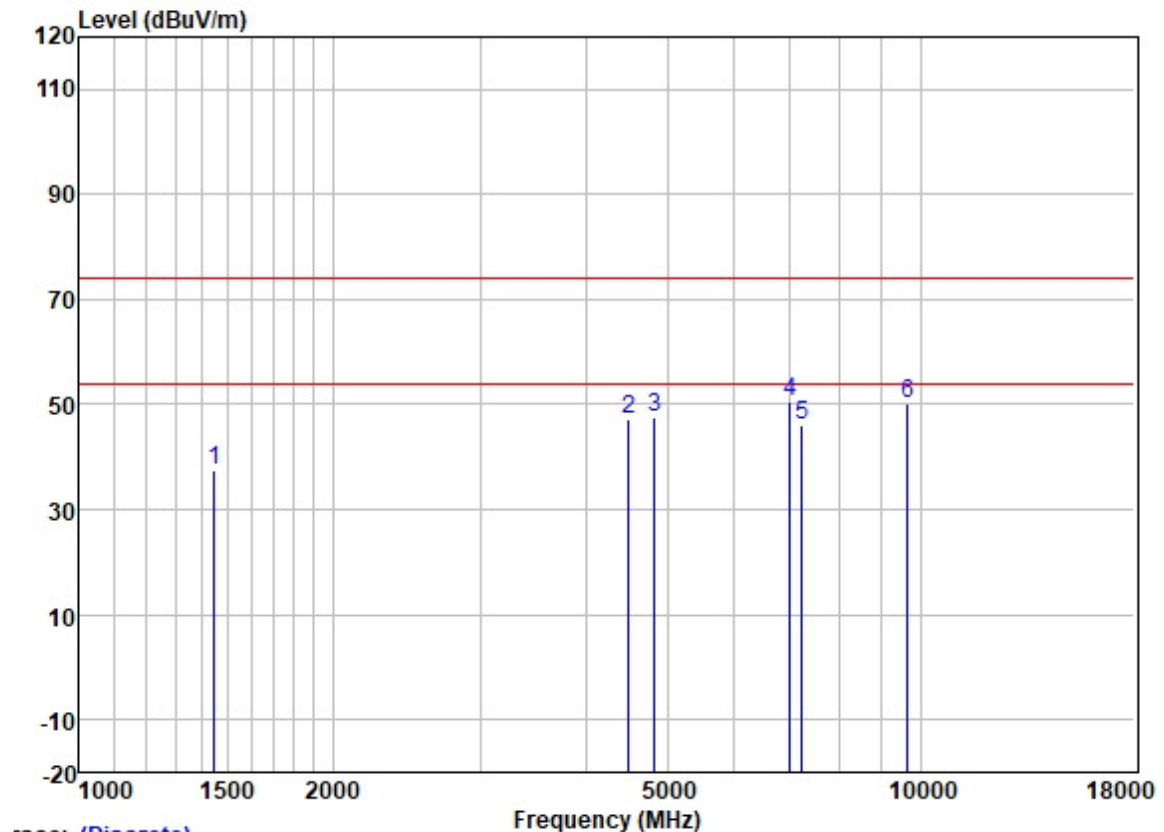


race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1560.673	48.35	24.57	2.97	37.94	37.95	74.00	-36.05	HORIZONTAL peak
2	4379.699	45.46	33.59	4.80	36.82	47.03	74.00	-26.97	HORIZONTAL peak
3	4924.000	43.96	34.15	5.26	36.88	46.49	74.00	-27.51	HORIZONTAL peak
4	6914.763	44.97	34.97	7.08	37.08	49.94	74.00	-24.06	HORIZONTAL peak
5	7386.000	39.13	36.23	6.75	37.16	44.95	74.00	-29.05	HORIZONTAL peak
6	9848.000	40.23	38.88	7.66	37.01	49.76	74.00	-24.24	HORIZONTAL peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

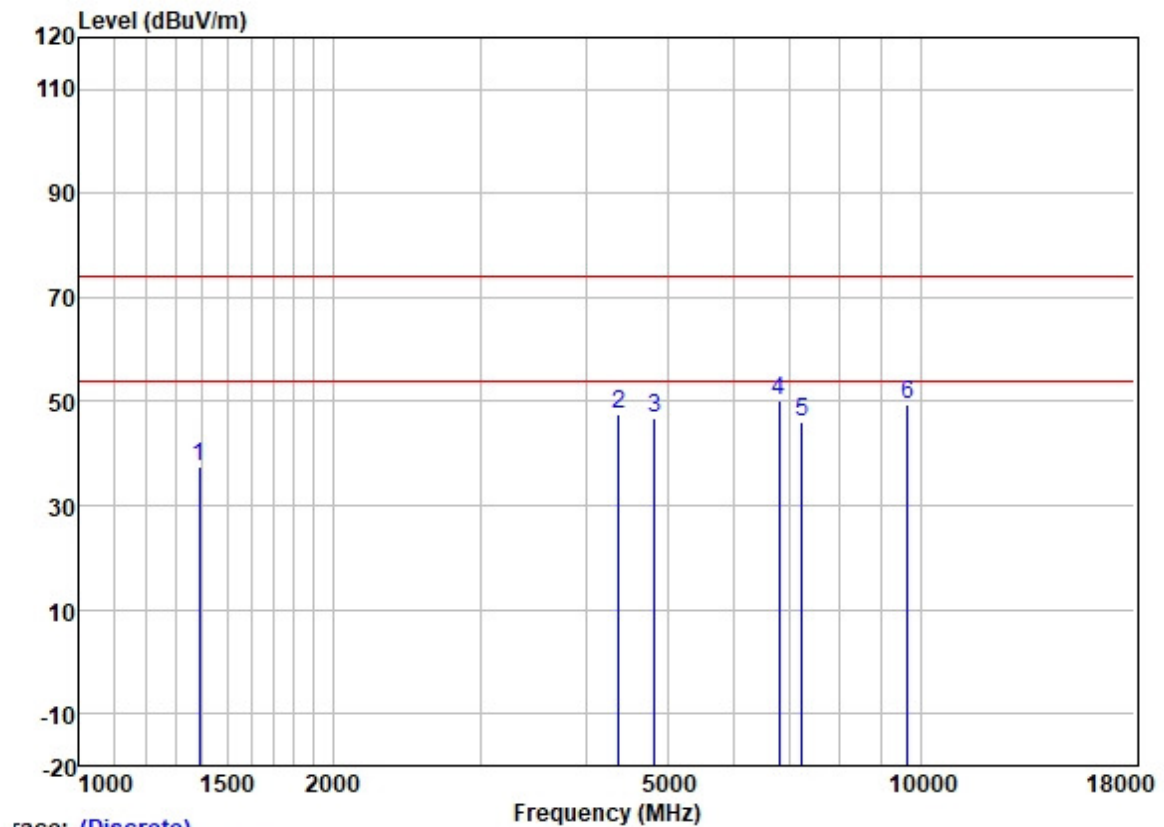


Trace: (Discrete)

	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1447.688	48.25	24.35	2.92	37.96	37.56	74.00	-36.44	VERTICAL peak
2	4495.125	45.00	34.17	4.78	36.83	47.12	74.00	-26.88	VERTICAL peak
3	4824.000	45.28	34.16	5.16	36.87	47.73	74.00	-26.27	VERTICAL peak
4	6995.172	45.25	35.11	7.13	37.09	50.40	74.00	-23.60	VERTICAL peak
5	7236.000	40.44	35.78	6.90	37.14	45.98	74.00	-28.02	VERTICAL peak
6	9648.000	40.87	38.70	7.65	37.02	50.20	74.00	-23.80	VERTICAL peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

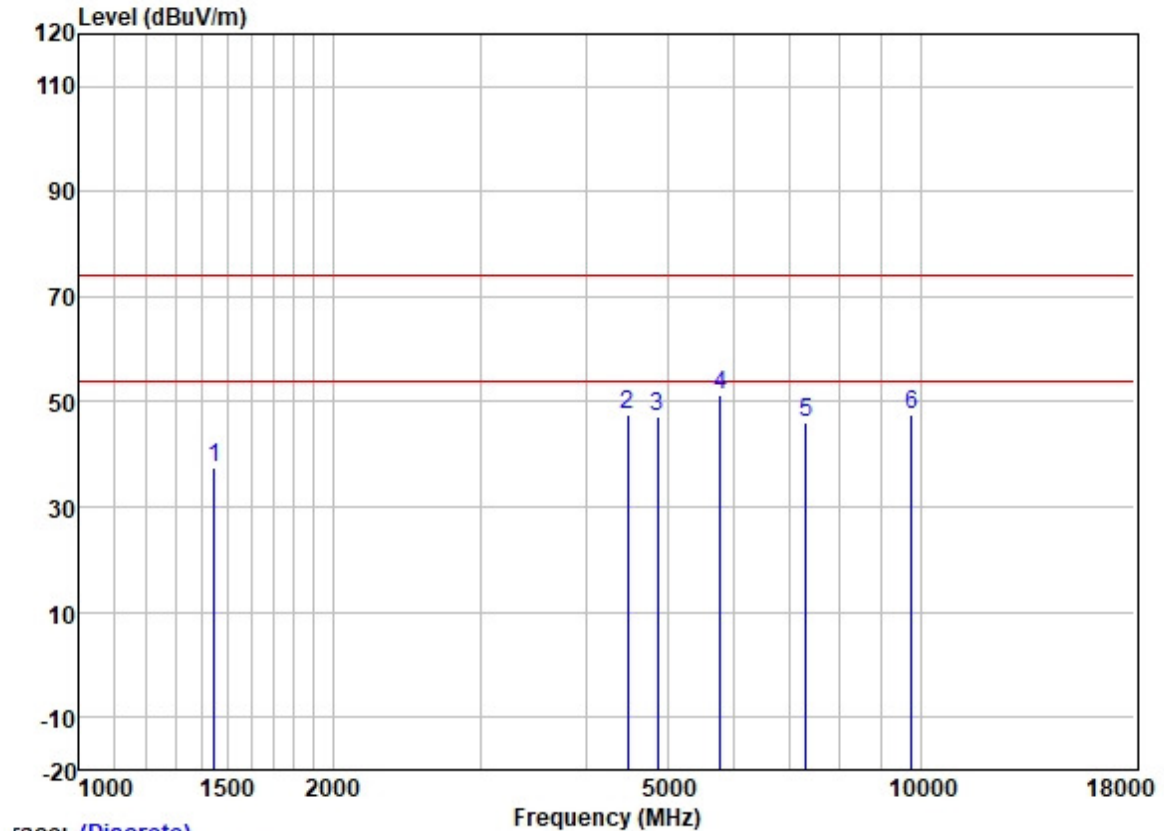


Trace: (Discrete)

	Freq	ReadAntenna	Cable	Preamp	Level	Limit	Over	Pol/Phase	Remark
	MHz	Level	Factor	Loss	Factor	Line	Limit		
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	1390.276	48.48	24.24	2.88	37.97	37.63	74.00	-36.37	HORIZONTAL peak
2	4379.699	46.06	33.59	4.80	36.82	47.63	74.00	-26.37	HORIZONTAL peak
3	4824.000	44.54	34.16	5.16	36.87	46.99	74.00	-27.01	HORIZONTAL peak
4	6795.879	45.66	34.69	6.97	37.06	50.26	74.00	-23.74	HORIZONTAL peak
5	7236.000	40.65	35.78	6.90	37.14	46.19	74.00	-27.81	HORIZONTAL peak
6	9648.000	40.18	38.70	7.65	37.02	49.51	74.00	-24.49	HORIZONTAL peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:middle

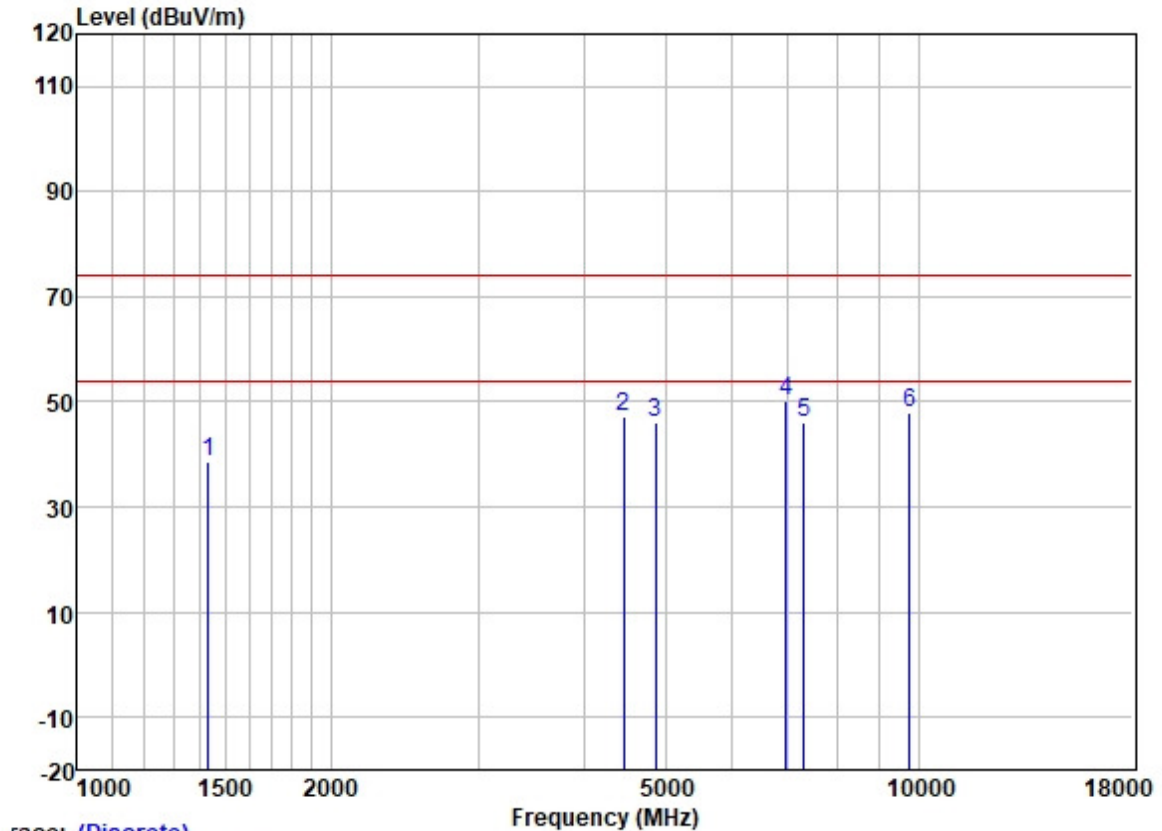


Trace: (Discrete)

		ReadAntenna		Cable	Preamp		Limit	Over		
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
	MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1447.688	48.34	24.35	2.92	37.96	37.65	74.00	-36.35	VERTICAL	peak
2	4482.150	45.48	34.12	4.78	36.83	47.55	74.00	-26.45	VERTICAL	peak
3	4874.000	44.59	34.15	5.22	36.87	47.09	74.00	-26.91	VERTICAL	peak
4	5780.300	49.77	32.66	5.76	36.99	51.20	74.00	-22.80	VERTICAL	peak
5	7311.000	40.42	36.00	6.83	37.15	46.10	74.00	-27.90	VERTICAL	peak
6	9748.000	38.26	38.81	7.65	37.01	47.71	74.00	-26.29	VERTICAL	peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:middle

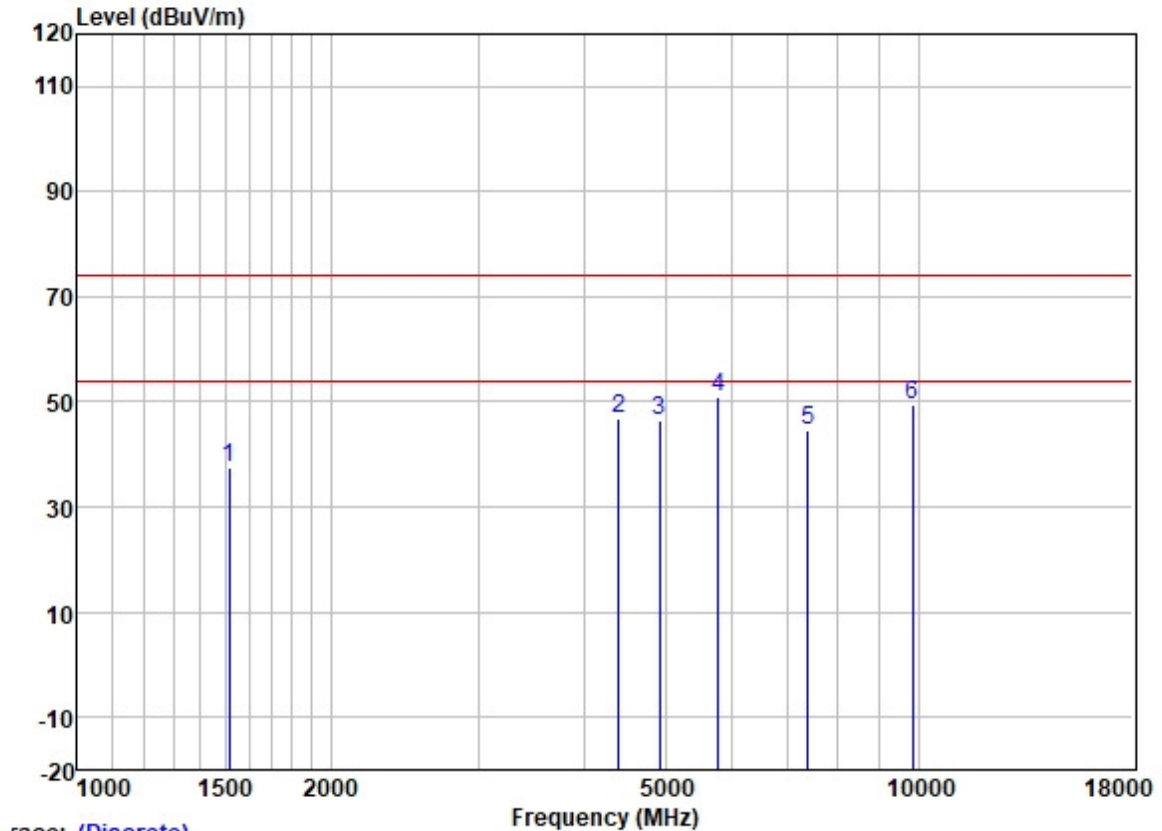


Trace: (Discrete)

	Read	Antenna	Cable	Preamp		Limit	Over		
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1431.047	49.42	24.32	2.91	37.96	38.69	74.00	-35.31	HORIZONTAL peak
2	4456.315	45.21	34.00	4.79	36.83	47.17	74.00	-26.83	HORIZONTAL peak
3	4874.000	43.62	34.15	5.22	36.87	46.12	74.00	-27.88	HORIZONTAL peak
4	6954.852	45.18	35.04	7.10	37.09	50.23	74.00	-23.77	HORIZONTAL peak
5	7311.000	40.49	36.00	6.83	37.15	46.17	74.00	-27.83	HORIZONTAL peak
6	9748.000	38.52	38.81	7.65	37.01	47.97	74.00	-26.03	HORIZONTAL peak



Test Mode: 01; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High

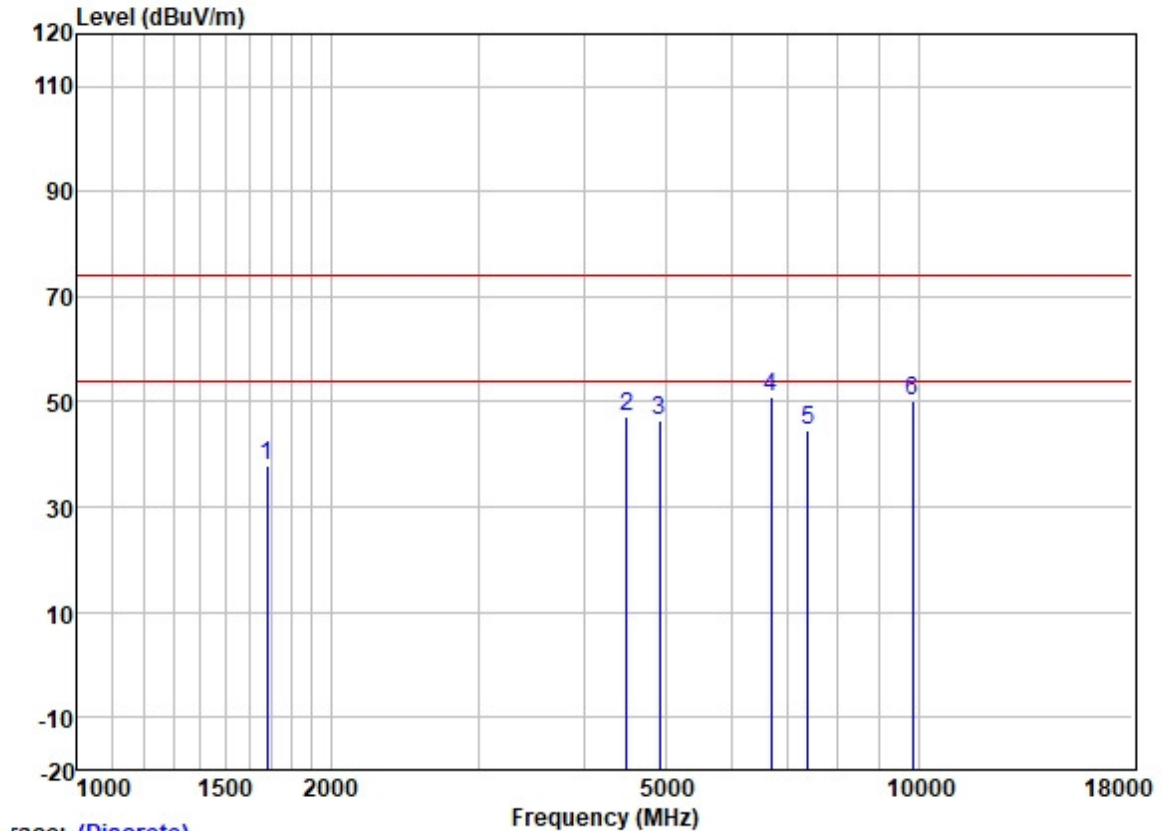


race: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1516.210	47.95	24.47	2.95	37.95	37.42	74.00	-36.58	VERTICAL peak
2	4405.090	45.13	33.74	4.79	36.82	46.84	74.00	-27.16	VERTICAL peak
3	4924.000	44.06	34.15	5.26	36.88	46.59	74.00	-27.41	VERTICAL peak
4	5780.300	49.57	32.66	5.76	36.99	51.00	74.00	-23.00	VERTICAL peak
5	7386.000	38.66	36.23	6.75	37.16	44.48	74.00	-29.52	VERTICAL peak
6	9848.000	40.01	38.88	7.66	37.01	49.54	74.00	-24.46	VERTICAL peak



Test Mode: 01; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



Trace: (Discrete)

	ReadAntenna	Cable	Preamp		Limit	Over			
Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Pol/Phase	Remark
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB		
1	1682.477	47.67	25.03	3.06	37.93	37.83	74.00	-36.17	HORIZONTAL peak
2	4495.125	45.15	34.17	4.78	36.83	47.27	74.00	-26.73	HORIZONTAL peak
3	4924.000	43.75	34.15	5.26	36.88	46.28	74.00	-27.72	HORIZONTAL peak
4	6679.040	46.71	34.28	6.82	37.05	50.76	74.00	-23.24	HORIZONTAL peak
5	7386.000	38.66	36.23	6.75	37.16	44.48	74.00	-29.52	HORIZONTAL peak
6	9848.000	40.53	38.88	7.66	37.01	50.06	74.00	-23.94	HORIZONTAL peak



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8 Test Setup Photo

Refer to Appendix - Test Setup Photo for GZCR231100112802



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9 EUT Constructional Details (EUT Photos)

Refer to Appendix - External and Internal Photos for GZCR2311001128AT

