



FCC RADIO TEST REPORT

Applicant : TRENDNET INC

Address : 20675 MANHATTAN PL, TORRANCE,
CA 90501 USA

Equipment : AX1800 Dual Band WiFi 6 PoE+ Access Point

Model No. : TEW-921DAPxx
(x=0-9,A-Z,"/" or blank for marketing purpose)

Trade Name : TRENDnet

FCC ID. : XU8TEW921DAP

I HEREBY CERTIFY THAT :

The sample was received on Oct. 06, 2020 and the testing was completed on Nov. 12, 2020 at Cerpass Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of Cerpass Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

Cerpass Technology Corporation Test Laboratory





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History of this test report

Report No.	Issue Date	Description
TEF12009275	Nov. 17, 2020	Original

Report Type		Description
☐	Original report	NA
☒	Derivative Report	This sample provided has been confirmed to be identical to the original report sample. The only difference are as listed below. As it doesn't affect the test result, the original report number: TEF12009273 and content will be used. 1.Applicant information. 2.Equipment name. 3.Model number. 4.Trade name.



1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

ANSI C63.10:2013

FCC Rules and Regulations Part 15 Subpart C §15.247

FCC Rule	Description of Test	Result
15.203	. Antenna Requirement	PASS
15.207	. AC Power Line Conducted Emission	PASS
15.209 15.205	. Radiated Spurious Emission	PASS
15.247(d)	. Conducted Spurious Emission	PASS
15.247(a)(2)	. 6dB Bandwidth	PASS
15.247(b)	. Maximum Peak and Average Output Power	PASS
15.247(e)	. Power Spectral Density	PASS
2.1091	. Radio Frequency Exposure	PASS

*The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement.

*This EUT has been also tested and compiled with the requirement of FCC Part 15, Subpart B, recorded in a separate test report(TEFD2009275)



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Frequency Range	802.11b/g/n/ax: 2412-2462MHz 802.11a/n/ac/ax: 5180-5240MHz, 5745-5825MHz
Modulation Type	WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 256QAM(TurboQAM) 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM
Modulation Technology	DSSS, OFDM
Data Rate	WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 MCS0 – MCS9, VHT20/40(TurboQAM) 802.11ax: MCS0 – MCS11, HE20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS15, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40/80 802.11ax: MCS0 – MCS11, HE20/40/80
Antenna Type	PIFA Antenna
Antenna Gain	2412-2462MHz: ANT A:3.2dBi, ANT B:3.1dBi 5180-5240MHz: ANT A:3.8dBi, ANT B:4dBi 5745-5825MHz: ANT A:4.2dBi, ANT B:4dBi
Adapter	1. Brand: APD ,Model: WB-18Q12FK 2. Brand: APD ,Model: WB-18Q12FG 3. Brand: APD ,Model: WB-18Q12FU1

Note:

- 1.WLAN 2.4G 802.11n Support TurboQAM.
- 2.WLAN 2.4GHz 802.11n and TurboQAM and 802.11ax support beamforming Function.
- 3.WLAN 5GHz 802.11ac and 802.11ax support beamforming Function.
- 4.EUT not support TPC Function.
- 5.WLAN 2.4G and WLAN 5G can simultaneously transmission.
- 6.EUT support Master and Client Mode.
- 7.For more details, please refer to the User's manual of the EUT.

Difference description

Model No.	Remark
TEW-921DAPxx	x=0-9,A-Z,"/" or blank for marketing purpose



2.2 Carrier Frequency of Channels

802.11b, 802.11g, 802.11n HT20, VHT20, 802.11ax HE20 (2412MHz~2462MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
*01	2412	07	2442
02	2417	08	2447
03	2422	09	2452
04	2427	10	2457
05	2432	*11	2462
*06	2437	---	---

802.11n HT40, VHT40, 802.11ax HE40 (2422MHz~2452MHz)

Channel	Frequency(MHz)	Channel	Frequency(MHz)
---	---	07	2442
---	---	08	2447
*03	2422	*09	2452
04	2427	---	---
05	2432	---	---
*06	2437	---	---

Note: Channels remarked * are selected to perform test.



2.3 Test Mode and Test Software

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- b. The complete test system included remote workstation and EUT for RF test. The remote workstation included Notebook.
- c. An executive program, " QRCT ver.4.0.00129.0" under Windows OS system was executed to transmit and receive data via WLAN.
- d. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	802.11b (1Mbps) , Power from PoE
2	802.11g (6Mbps) , Power from PoE
3	802.11n HT20 (6.5Mbps) , Power from PoE
4	802.11n HT40 (13.5Mbps) , Power from PoE
5	VHT20 (6.5Mbps) , Power from PoE
6	VHT40 (13.5Mbps) , Power from PoE
7	802.11ax HE20 (7.3Mbps) , Power from PoE
8	802.11ax HE40 (14.6Mbps) , Power from PoE
9	802.11b (1Mbps) , Power from Adapter
10	802.11g (6Mbps) , Power from Adapter
11	802.11n HT20 (6.5Mbps) , Power from Adapter
12	802.11n HT40 (13.5Mbps) , Power from Adapter
13	VHT20 (6.5Mbps) , Power from Adapter
14	VHT40 (13.5Mbps) , Power from Adapter
15	802.11ax HE20 (7.3Mbps) , Power from Adapter
16	802.11ax HE40 (14.6Mbps) , Power from Adapter
caused "Test Mode 1" generated the worst case, it was reported as the final data.	



Radiation Emissions (30MHz ~ 1GHz)	
Test Mode	Operating Description
1	802.11b (1Mbps) , Power from PoE
2	802.11g (6Mbps) , Power from PoE
3	802.11n HT20 (6.5Mbps) , Power from PoE
4	802.11n HT40 (13.5Mbps) , Power from PoE
5	VHT20 (6.5Mbps) , Power from PoE
6	VHT40 (13.5Mbps) , Power from PoE
7	802.11ax HE20 (7.3Mbps) , Power from PoE
8	802.11ax HE40 (14.6Mbps) , Power from PoE
9	802.11b (1Mbps) , Power from Adapter
10	802.11g (6Mbps) , Power from Adapter
11	802.11n HT20 (6.5Mbps) , Power from Adapter
12	802.11n HT40 (13.5Mbps) , Power from Adapter
13	VHT20 (6.5Mbps) , Power from Adapter
14	VHT40 (13.5Mbps) , Power from Adapter
15	802.11ax HE20 (7.3Mbps) , Power from Adapter
16	802.11ax HE40 (14.6Mbps) , Power from Adapter
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 25GHz)	
Test Mode	Operating Description
1	802.11b (1Mbps) , Power from PoE
2	802.11g (6Mbps) , Power from PoE
3	802.11n HT20 (6.5Mbps) , Power from PoE
4	802.11n HT40 (13.5Mbps) , Power from PoE
5	VHT20 (6.5Mbps) , Power from PoE
6	VHT40 (13.5Mbps) , Power from PoE
7	802.11ax HE20 (7.3Mbps) , Power from PoE
8	802.11ax HE40 (14.6Mbps) , Power from PoE
9	802.11b (1Mbps) , Power from Adapter
10	802.11g (6Mbps) , Power from Adapter
11	802.11n HT20 (6.5Mbps) , Power from Adapter
12	802.11n HT40 (13.5Mbps) , Power from Adapter
13	VHT20 (6.5Mbps) , Power from Adapter
14	VHT40 (13.5Mbps) , Power from Adapter
15	802.11ax HE20 (7.3Mbps) , Power from Adapter
16	802.11ax HE40 (14.6Mbps) , Power from Adapter
caused "Test Mode 1,2,5~8" generated the worst case, they were reported as the final data.	
Note: Non-Beamforming was used for the test result.	



The EUT incorporates a MIMO function

Modulation Type	TX CONFIGURATION
802.11b	2TX
802.11g	2TX
802.11n HT20	2TX
802.11n HT20(TurboQAM)	2TX
802.11ax HE20	2TX
802.11n HT40	2TX
802.11n HT40(TurboQAM)	2TX
802.11ax HE40	2TX



2.4 Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.8m / NS	N/A
POE	CERIO	POE-S53VG	N/A	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
POE	CERIO	POE-S53VG	N/A	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	N/A
RJ45 Cable	TE CONNECTIVITY	CAT5E	15m / NS	N/A
POE	CERIO	POE-S53VG	N/A	N/A



2.5 General Information of Test

Test Site	Cerpass Technology Corporation Test Laboratory Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881	
	FCC	TW1439, TW1079
	IC	4934E-1, 4934E-2
	VCCI	T-2205 for Telecommunication test C-4663 for Conducted emission test R-4218 for Radiated emission test G-10812, G-10813 for radiated disturbance above 1GHz
Frequency Range Investigated:	Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 25,000MHz	
Test Distance:	The test distance of radiated emission from antenna to EUT is 3 M.	

Test Item	Test Site	Test period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2020/10/29~2020/10/30	24~26°C / 42~45%	Nick Guan
Radiated Emissions	3M02-NK	2020/10/24~2020/11/06	20~25°C / 44~47%	Leon Huang
AC Power Line Conducted Emission	CON01-NK	2020/11/08~2020/11/12	25~28°C / 43~54%	Leon Huang Dian Chen

2.6 Measurement Uncertainty

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.42dB
Radiated Spurious Emission(9KHz~30MHz)	±3.404dB
Radiated Spurious Emission(30MHz~1GHz)	±5.686dB
Radiated Spurious Emission(1GHz~25GHz)	±6.597dB
Conducted Spurious Emission	±2.022dB
6dB Bandwidth	±4.482%
20dB Bandwidth	±4.40%
Occupied Bandwidth	±4.40%
Peak Output Power(Conducted Power Meter)	±1.02dB
Dwell Time	±3.49%
Power Spectral Density	±1.963dB
Duty Cycle	±3.47%



3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	369	2020/04/10	2021/04/09
Active Loop Antenna	EMCO	6507	40855	2020/05/21	2021/05/20
Horn Antenna	EMCO	3115	31601	2020/10/16	2021/10/15
Horn Antenna	EMCO	3116	31970	2020/03/26	2021/03/25
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2020/06/23	2021/06/22
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2020/08/03	2021/08/02
Preamplifier	EM Electronics corp.	EM330	60660	2020/03/16	2021/03/15
Preamplifier	Agilent	8449B	3008A01954	2020/03/16	2021/03/15
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2019/11/07	2020/11/06
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2020/04/07	2021/04/06
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2020/04/09	2021/04/08
Cable-0.5m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805443/4	2020/05/27	2021/05/26
Cable-3m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805796/4	2020/05/27	2021/05/26
Cable-8m(1G-18G)	HUBER SUHNER	SUCOFLEX 100	805795/4	2020/05/27	2021/05/26
Cable-0.5m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2020/04/01	2021/03/31
Cable-3m(30M-40G)	HUBER SUHNER	SUCOFLEX 102	MY2608/2	2020/04/01	2021/03/31
Cable-0.5m(1G-40G)	Rapidtek	40GHZ 50CM	38MS-38MS50314	2020/04/09	2021/04/08
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2020/03/11	2021/03/10
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	101329	2020/07/07	2021/07/06
Bluetooth Tester	ROHDE & SCHWARZ	CBT	101133	2020/04/07	2021/04/06
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2019/11/25	2020/11/24
Attenuator	KEYSIGHT	8491B	MY39250703	2020/04/17	2021/04/16
TEMP & HUMID CHAMBER	T-MACHINE	TMJ-9712	T-12-040111	2020/08/25	2021/08/24
Power Meter	Anritsu	ML2495A	1224005	2020/04/17	2021/04/16
Power Sensor	Anritsu	MA2411B	1207295	2020/04/17	2021/04/16



Test Item	AC Power Line Conducted Emission				
Test Site	CON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESCI	100443	2020/05/25	2021/05/24
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-568	2020/03/12	2021/03/11
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101934	2020/03/11	2021/03/10
Cable-6m(9k~300M)	NA	CFD300-NL	NA	2020/03/11	2021/03/10
E3	AUDIX	v8.2014-8-6	RK-000531	NA	NA



4. Antenna Requirements

4.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

And according to FCC 47 CFR Section 15.247 (b), if transmitting antennas of directional gain greater than 6dBi are used, the power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6dBi.

4.2 Antenna Construction and Directional Gain

Antenna Type	PIFA Antenna
Antenna Gain	2412MHz-2462MHz: ANT A:3.2dBi, ANT B:3.1dBi 5180MHz-5240MHz: ANT A:3.8dBi, ANT B:4dBi 5745MHz-5825MHz: ANT A:4.2dBi, ANT B:4dBi

(Non-Beamforming)

2412-2462MHz
For Power directional gain= $G_{ant} = 3.20$ dBi For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ = 6.16 (dBi)
5150MHz -5250MHz
For Power directional gain= $G_{ant} = 4.00$ dBi For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ = 6.91 (dBi)
5725MHz -5850MHz
For Power directional gain= $G_{ant} = 4.20$ dBi For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}]$ = 7.11 (dBi)

(Beamforming)

2412-2462MHz
For Power directional gain= $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 6.16$ dBi For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 6.16$ (dBi)
5150MHz -5250MHz
For Power directional gain= $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 6.91$ (dBi) For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 6.91$ (dBi)
5725MHz -5850MHz
For Power directional gain= $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 7.11$ (dBi) For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{ANT}] = 7.11$ (dBi)



5. Test of AC Power Line Conducted Emission

5.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.4-2014. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB μ V)	Average (dB μ V)
0.15 – 0.5	66-56*	56-46*
0.5 – 5.0	56	46
5.0 – 30.0	60	50

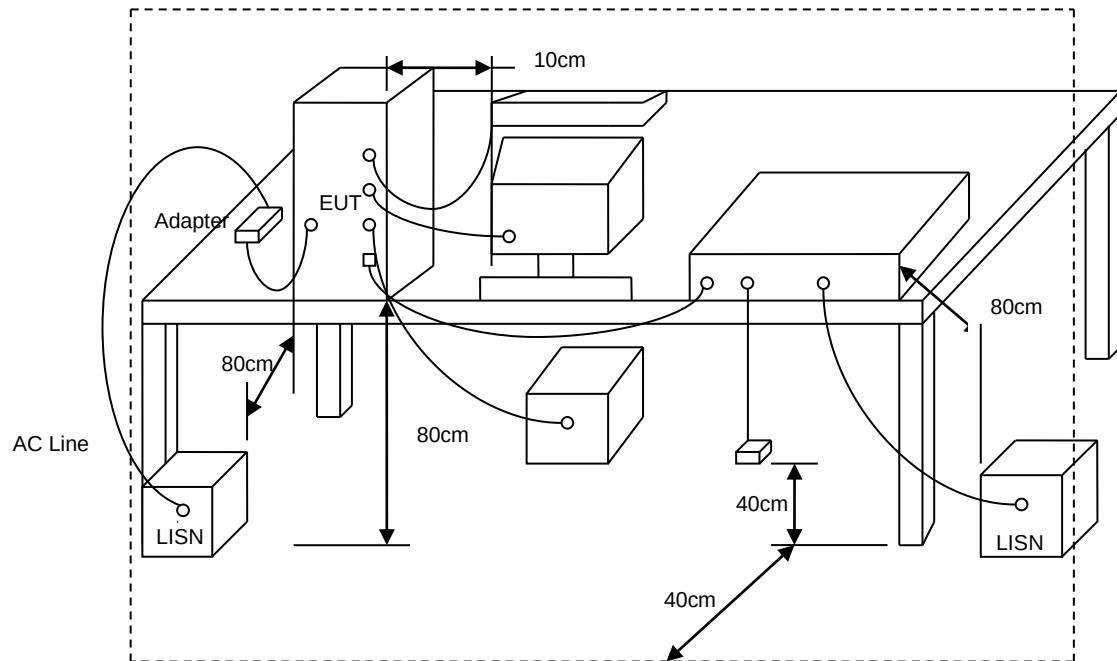
*Decreases with the logarithm of the frequency.

5.2 Test Procedures

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



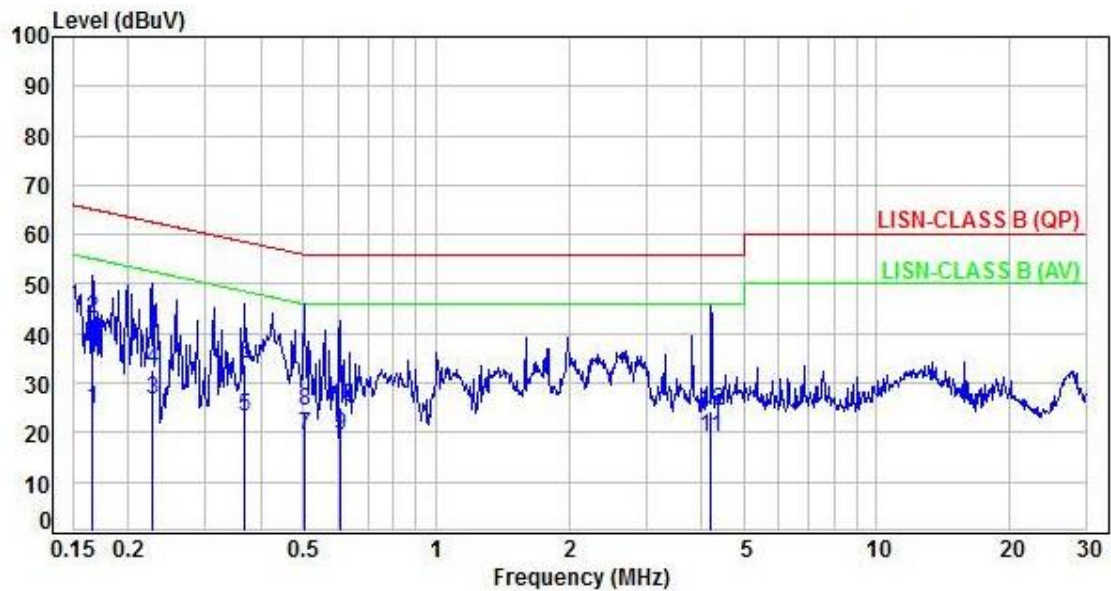
5.3 Typical Test Setup





5.4 Test Result and Data

Power	: AC 120V / 60Hz	Pol/Phase	: LINE
Test Mode	: Mode 1		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Detector	P/F
1	0.17	10.05	14.77	24.82	55.16	-30.34	Average	P
2	0.17	10.05	32.88	42.93	65.16	-22.23	QP	P
3	0.23	10.05	16.66	26.71	52.57	-25.86	Average	P
4	0.23	10.05	22.66	32.71	62.57	-29.86	QP	P
5	0.37	10.05	13.20	23.25	48.54	-25.29	Average	P
6	0.37	10.05	23.76	33.81	58.54	-24.73	QP	P
7	0.50	10.06	9.52	19.58	46.00	-26.42	Average	P
8	0.50	10.06	14.38	24.44	56.00	-31.56	QP	P
9	0.60	10.06	9.40	19.46	46.00	-26.54	Average	P
10	0.60	10.06	15.17	25.23	56.00	-30.77	QP	P
11	4.20	10.24	8.71	18.95	46.00	-27.05	Average	P
12	4.20	10.24	14.12	24.36	56.00	-31.64	QP	P

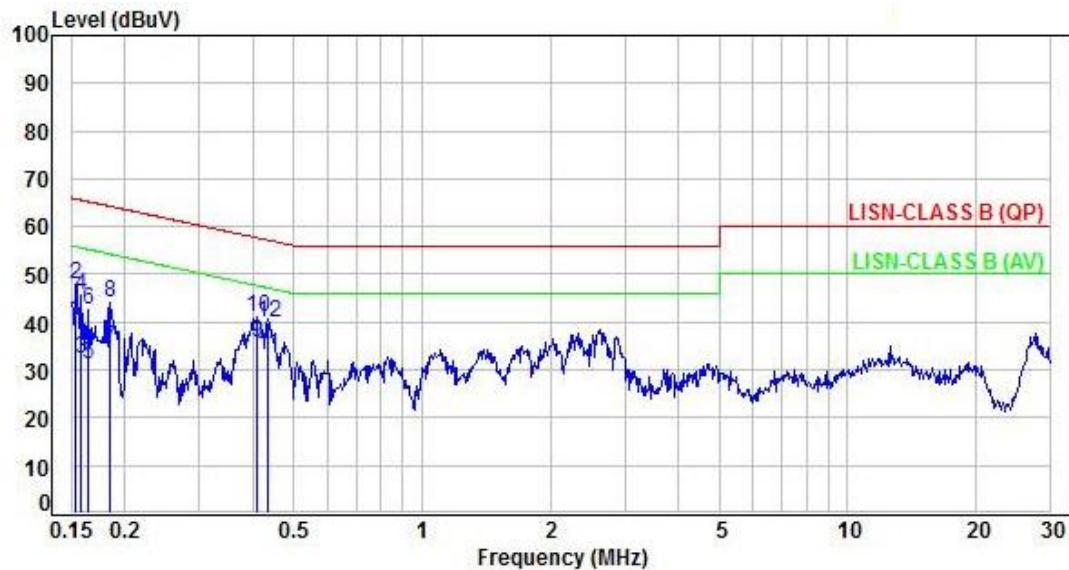
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



Power	: AC 120V / 60Hz	Pol/Phase	: NEUTRAL
Test Mode	: Mode 1		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	10.02	30.47	40.49	55.78	-15.29	Average	P
2	0.15	10.02	37.97	47.99	65.78	-17.79	QP	P
3	0.16	10.02	22.40	32.42	55.60	-23.18	Average	P
4	0.16	10.02	35.47	45.49	65.60	-20.11	QP	P
5	0.17	10.02	21.05	31.07	55.21	-24.14	Average	P
6	0.17	10.02	32.43	42.45	65.21	-22.76	QP	P
7	0.18	10.02	24.71	34.73	54.28	-19.55	Average	P
8	0.18	10.02	34.00	44.02	64.28	-20.26	QP	P
9	0.41	10.02	25.80	35.82	47.64	-11.82	Average	P
10	0.41	10.02	31.11	41.13	57.64	-16.51	QP	P
11	0.43	10.02	23.18	33.20	47.20	-14.00	Average	P
12	0.43	10.02	29.75	39.77	57.20	-17.43	QP	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=(LISN or ISN or Current Probe)Factor + Cable Loss



6. Test of Radiated Spurious Emission

6.1 Test Limit

In any 100kHz 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 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement. If the transmitter measurement is based on the maximum conducted output power, the attenuation required under this paragraph shall be 30dB instead of 20dB. In addition, radiated emissions which fall in section 15.205(a) the restricted bands must also comply with the radiated emission limit specified in section 15.209(a).

Frequency (MHz)	Field Strength (microvolt/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



6.2 Test Procedures

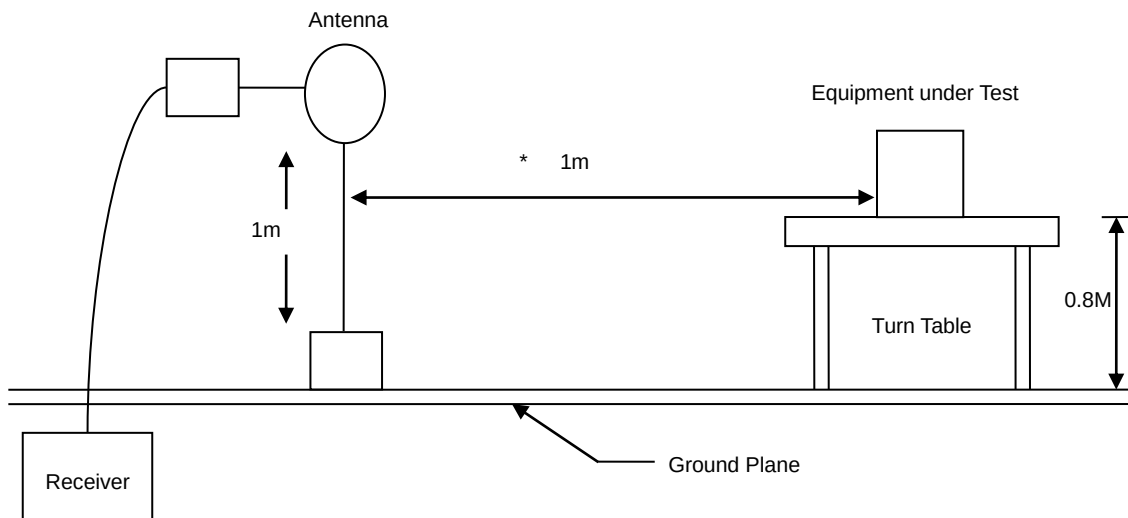
- a. The EUT was placed on a rotatable table top 0.8 meter above ground.
- b. The EUT was set 3 meters from the interference receiving antenna which was mounted on the top of a variable height antenna tower.
- c. The table was rotated 360 degrees to determine the position of the highest radiation.
- d. The antenna is a broadband antenna and its height is varied between one meter and four meters above ground to find the maximum value of the field strength both horizontal polarization and vertical polarization of the antenna are set to make the measurement.
- e. For each suspected emission the EUT was arranged to its worst case and then tune the antenna tower (from 1 M to 4 M) and turn table (from 0 degree to 360 degrees) to find the maximum reading.
- f. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function and specified bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 3 dB lower than the limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method and reported.
- h. For testing above 1GHz, the emission level of the EUT in peak mode was 20dB lower than average limit (that means the emission level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- i. "Cone of radiation" has been considered to be 3dB bandwidth of the measurement antenna.

Note: The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions such that emissions from the EUT are maximized.
(Z-AXIS is the worst.)

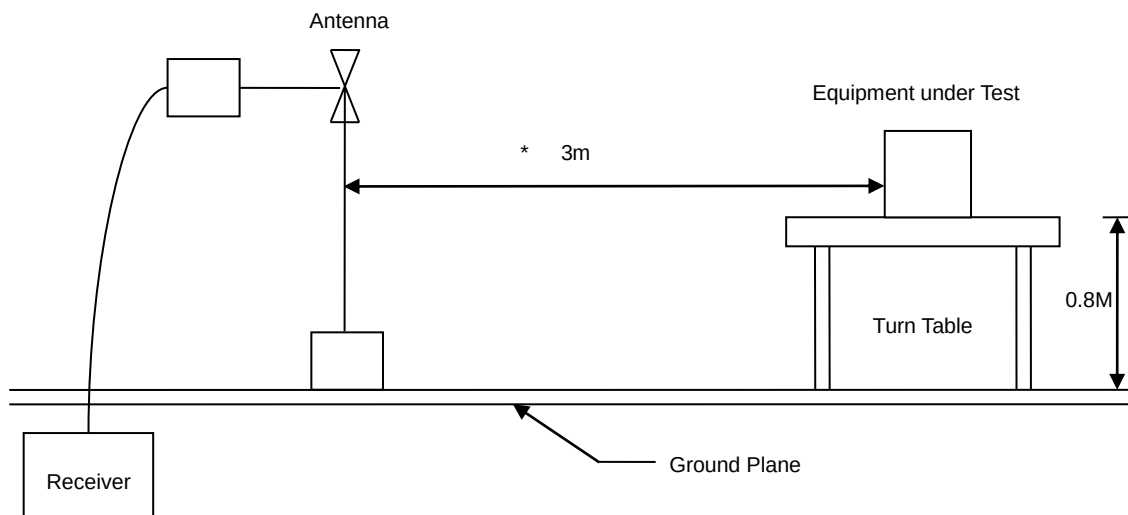


6.3 Typical Test Setup

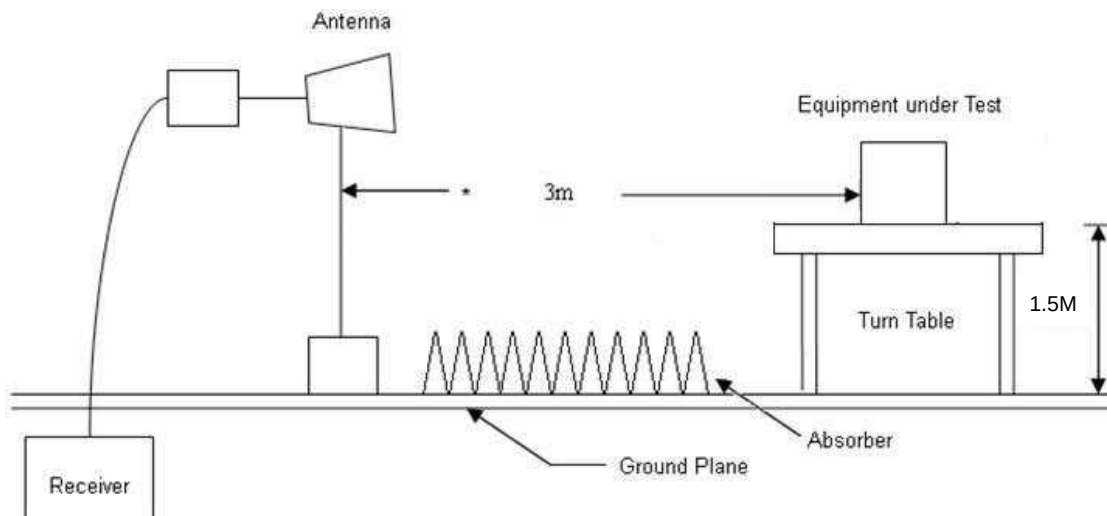
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



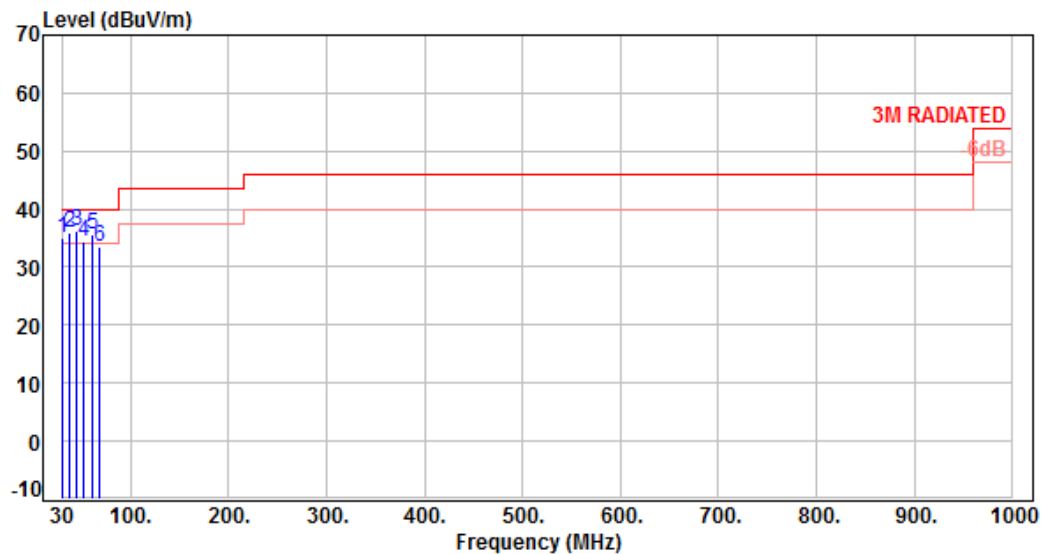


6.4 Test Result and Data (9KHz ~ 30MHz)

The 9kHz - 30MHz spurious emission is under limit 20dB more.

6.5 Test Result and Data (30MHz ~ 1GHz)

Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-10.42	45.50	35.08	40.00	-4.92	QP	100	0	P
2	37.76	-10.05	46.11	36.06	40.00	-3.94	Peak	400	0	P
3	45.52	-9.53	45.91	36.38	40.00	-3.62	QP	100	0	P
4	52.31	-9.42	43.70	34.28	40.00	-5.72	QP	100	0	P
5	61.04	-10.29	46.05	35.76	40.00	-4.24	Peak	400	0	P
6	68.80	-11.66	45.21	33.55	40.00	-6.45	Peak	400	0	P

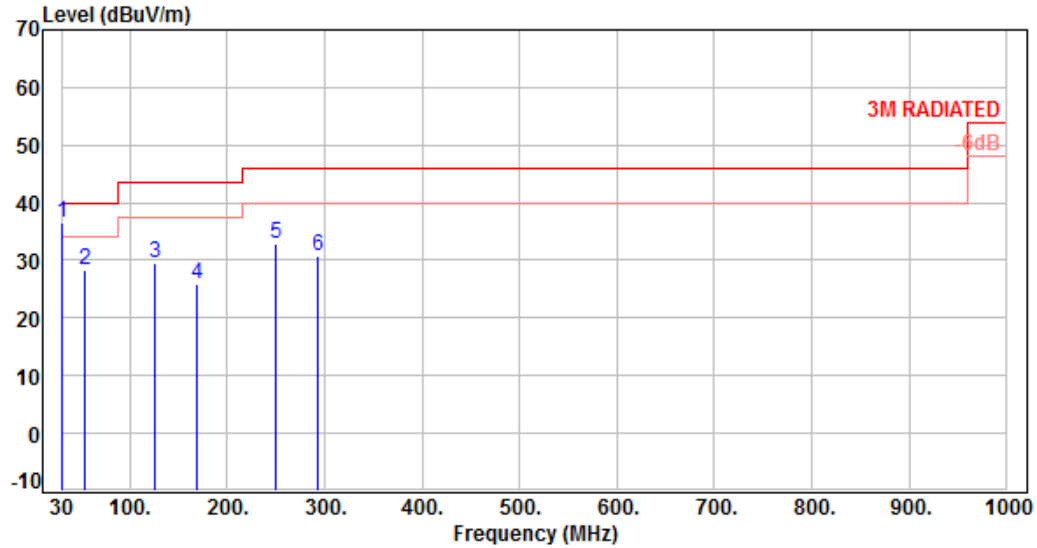
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-10.42	47.03	36.61	40.00	-3.39	Peak	100	0	P
2	53.28	-9.49	37.95	28.46	40.00	-11.54	Peak	100	0	P
3	125.06	-11.29	40.90	29.61	43.50	-13.89	Peak	100	0	P
4	169.68	-9.67	35.62	25.95	43.50	-17.55	Peak	100	0	P
5	250.19	-10.34	43.27	32.93	46.00	-13.07	Peak	100	0	P
6	292.87	-8.71	39.52	30.81	46.00	-15.19	Peak	100	0	P

Note: Level=Reading+Factor

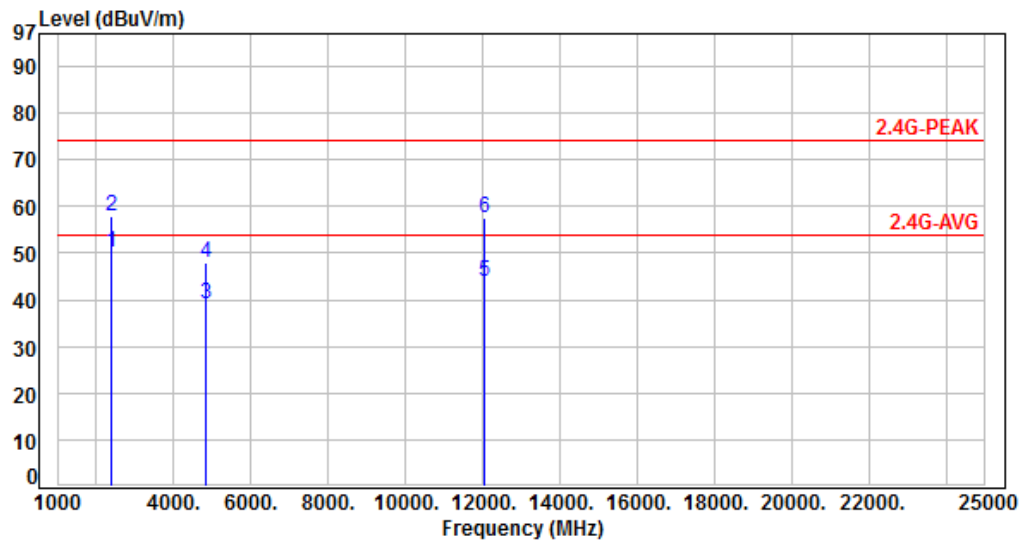
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6.6 Test Result and Data (1GHz ~ 25GHz)

Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	52.90	50.01	54.00	-3.99	Average	100	120	P
2	2390.00	-2.89	60.66	57.77	74.00	-16.23	Peak	100	120	P
3	4824.00	4.73	34.24	38.97	54.00	-15.03	Average	130	200	P
4	4824.00	4.73	43.36	48.09	74.00	-25.91	Peak	130	200	P
5	12060.00	14.70	29.13	43.83	54.00	-10.17	Average	100	143	P
6	12060.00	14.70	42.89	57.59	74.00	-16.41	Peak	100	143	P

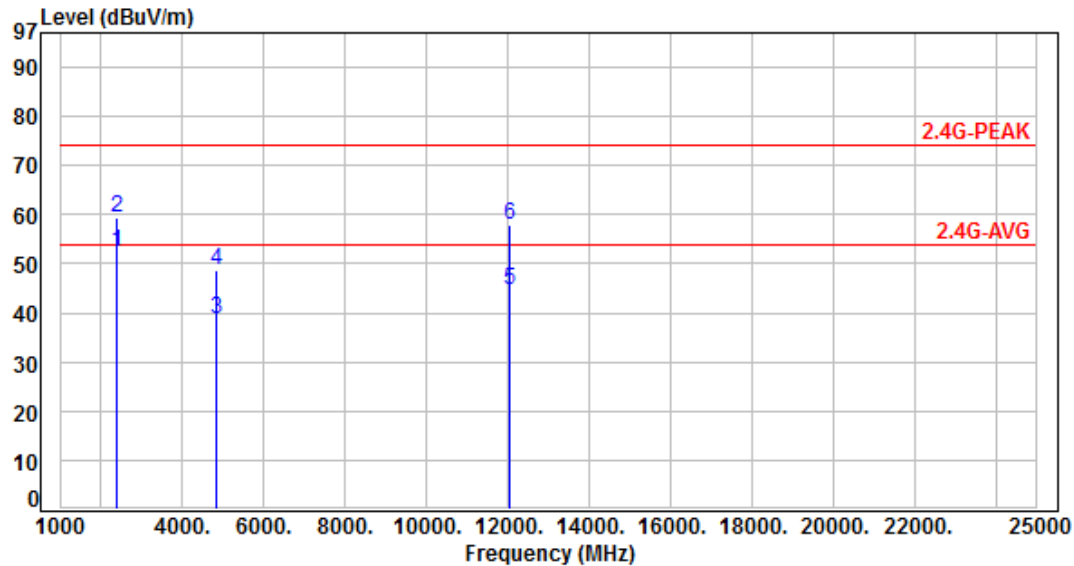
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.18	52.29	54.00	-1.71	Average	215	80	P
2	2390.00	-2.89	62.19	59.30	74.00	-14.70	Peak	215	80	P
3	4824.00	4.73	34.16	38.89	54.00	-15.11	Average	100	85	P
4	4824.00	4.73	43.79	48.52	74.00	-25.48	Peak	100	85	P
5	12060.00	14.70	29.97	44.67	54.00	-9.33	Average	100	55	P
6	12060.00	14.70	43.36	58.06	74.00	-15.94	Peak	100	55	P

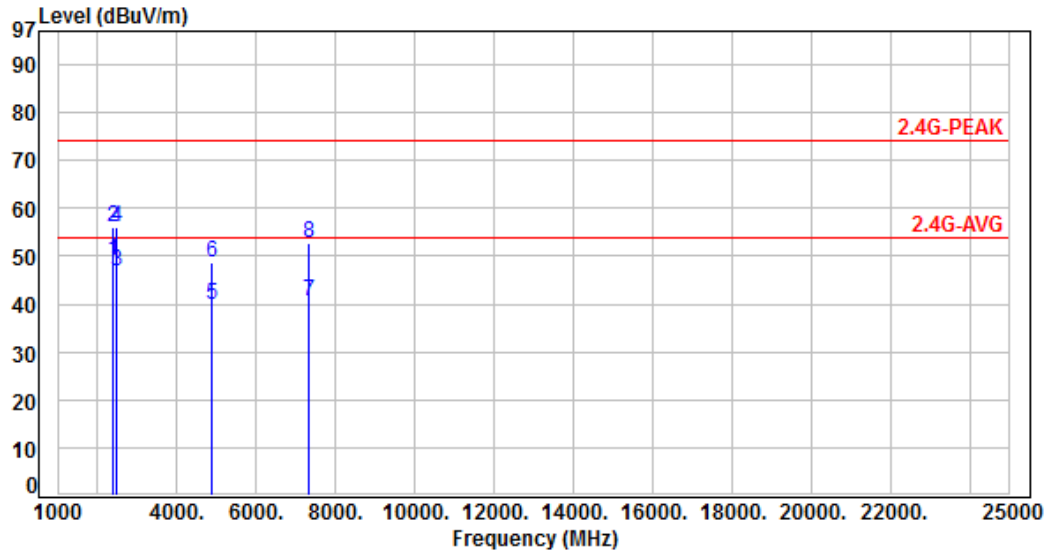
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	51.91	49.02	54.00	-4.98	Average	125	210	P
2	2390.00	-2.89	58.79	55.90	74.00	-18.10	Peak	125	210	P
3	2483.50	-2.66	49.37	46.71	54.00	-7.29	Average	100	215	P
4	2483.50	-2.66	58.61	55.95	74.00	-18.05	Peak	100	215	P
5	4874.00	4.89	35.11	40.00	54.00	-14.00	Average	365	215	P
6	4874.00	4.89	43.74	48.63	74.00	-25.37	Peak	365	215	P
7	7311.00	9.81	30.62	40.43	54.00	-13.57	Average	100	155	P
8	7311.00	9.81	42.96	52.77	74.00	-21.23	Peak	100	155	P

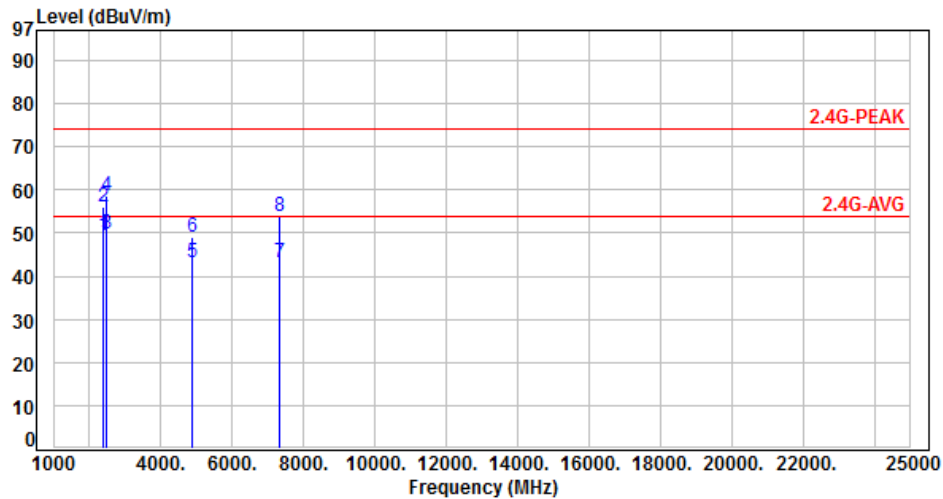
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	52.23	49.34	54.00	-4.66	Average	100	75	P
2	2390.00	-2.89	59.02	56.13	74.00	-17.87	Peak	100	75	P
3	2483.50	-2.66	52.41	49.75	54.00	-4.25	Average	300	75	P
4	2483.50	-2.66	61.28	58.62	74.00	-15.38	Peak	300	75	P
5	4874.00	4.89	38.11	43.00	54.00	-11.00	Average	385	15	P
6	4874.00	4.89	44.29	49.18	74.00	-24.82	Peak	385	15	P
7	7311.00	9.81	33.30	43.11	54.00	-10.89	Average	170	345	P
8	7311.00	9.81	43.91	53.72	74.00	-20.28	Peak	170	345	P

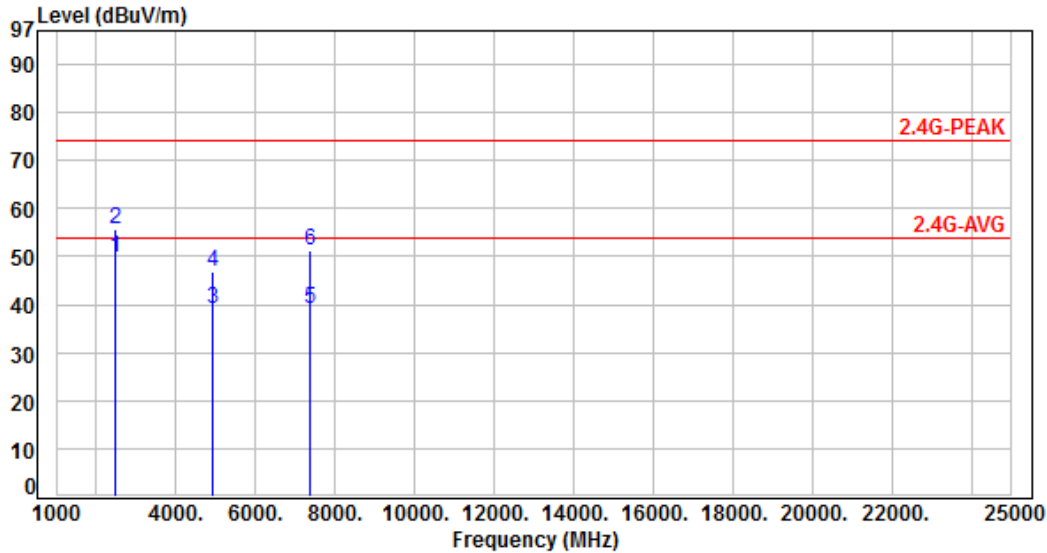
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.66	52.48	49.82	54.00	-4.18	Average	140	120	P
2	2483.50	-2.66	58.20	55.54	74.00	-18.46	Peak	140	120	P
3	4924.00	5.10	33.97	39.07	54.00	-14.93	Average	100	220	P
4	4924.00	5.10	41.92	47.02	74.00	-26.98	Peak	100	220	P
5	7386.00	9.94	29.15	39.09	54.00	-14.91	Average	100	250	P
6	7386.00	9.94	41.46	51.40	74.00	-22.60	Peak	100	250	P

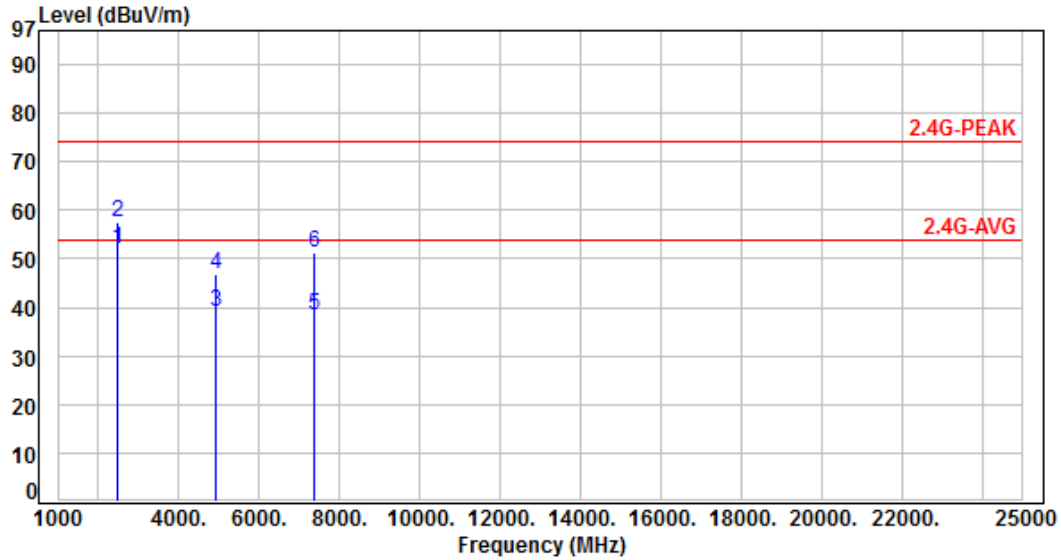
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.66	54.49	51.83	54.00	-2.17	Average	310	60	P
2	2483.50	-2.66	60.33	57.67	74.00	-16.33	Peak	310	60	P
3	4924.00	5.10	33.84	38.94	54.00	-15.06	Average	205	60	P
4	4924.00	5.10	41.57	46.67	74.00	-27.33	Peak	205	60	P
5	7386.00	9.94	28.49	38.43	54.00	-15.57	Average	100	334	P
6	7386.00	9.94	41.30	51.24	74.00	-22.76	Peak	100	334	P

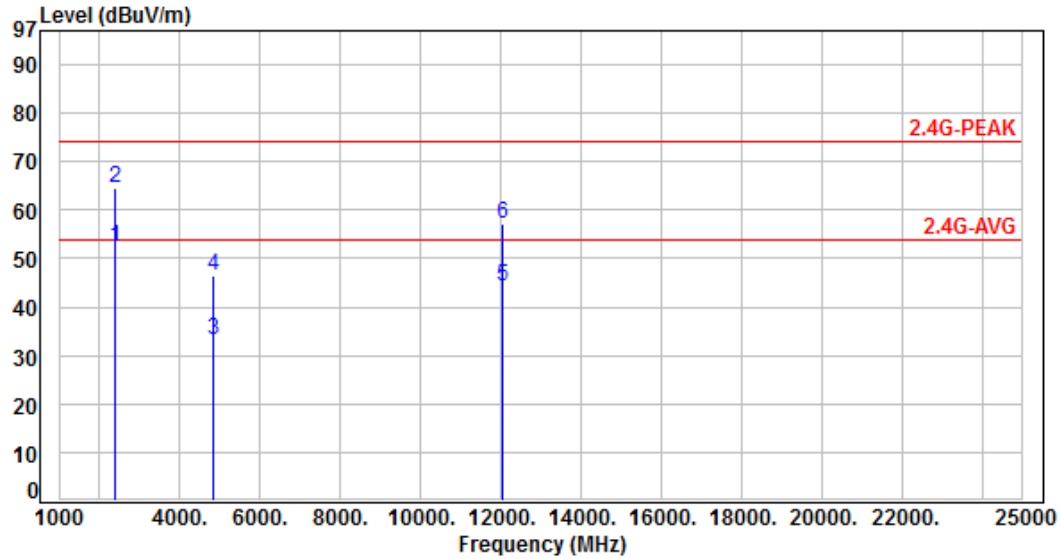
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.37	52.48	54.00	-1.52	Average	100	210	P
2	2390.00	-2.89	67.54	64.65	74.00	-9.35	Peak	100	210	P
3	4824.00	4.73	28.38	33.11	54.00	-20.89	Average	100	159	P
4	4824.00	4.73	41.92	46.65	74.00	-27.35	Peak	100	159	P
5	12060.00	14.70	29.42	44.12	54.00	-9.88	Average	100	311	P
6	12060.00	14.70	42.50	57.20	74.00	-16.80	Peak	100	311	P

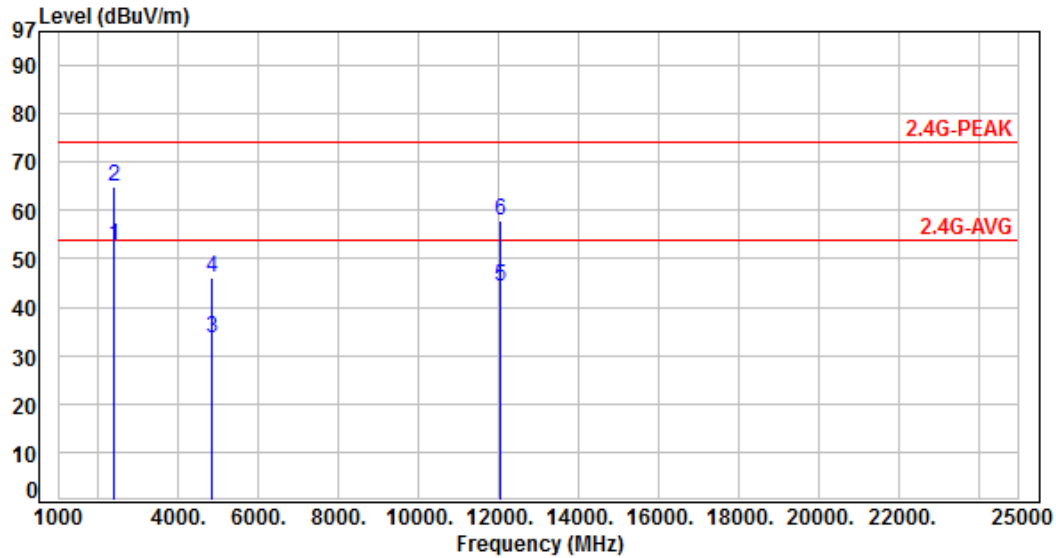
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.77	52.88	54.00	-1.12	Average	100	80	P
2	2390.00	-2.89	67.68	64.79	74.00	-9.21	Peak	100	80	P
3	4824.00	4.73	28.70	33.43	54.00	-20.57	Average	100	345	P
4	4824.00	4.73	41.28	46.01	74.00	-27.99	Peak	100	345	P
5	12060.00	14.70	29.68	44.38	54.00	-9.62	Average	100	92	P
6	12060.00	14.70	43.04	57.74	74.00	-16.26	Peak	100	92	P

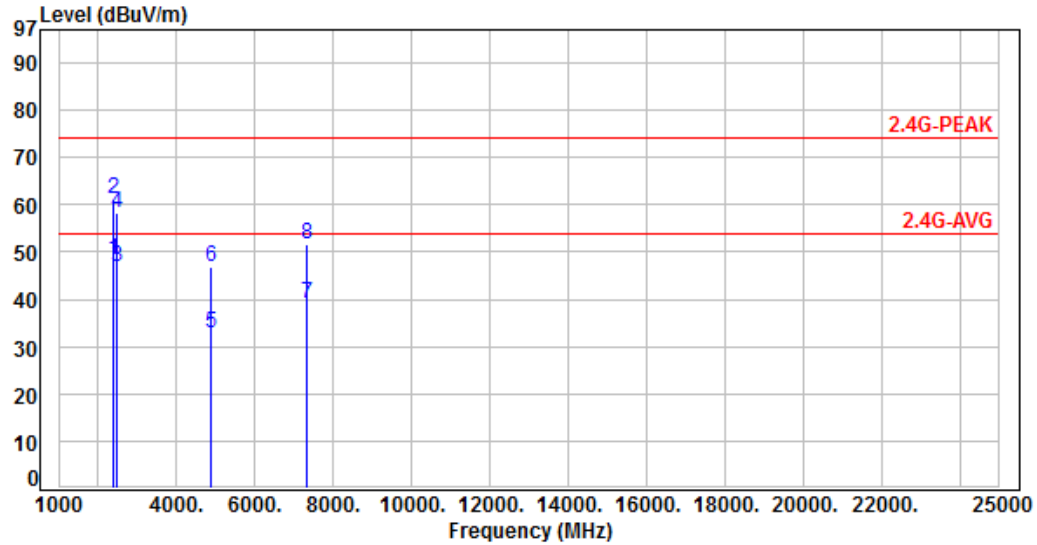
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60HZ	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, CH06		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	51.24	48.35	54.00	-5.65	Average	145	250	P
2	2390.00	-2.89	63.98	61.09	74.00	-12.91	Peak	145	250	P
3	2483.50	-2.66	49.65	46.99	54.00	-7.01	Average	100	255	P
4	2483.50	-2.66	61.07	58.41	74.00	-15.59	Peak	100	255	P
5	4874.00	4.89	28.02	32.91	54.00	-21.09	Average	100	180	P
6	4874.00	4.89	42.02	46.91	74.00	-27.09	Peak	100	180	P
7	7311.00	9.81	29.12	38.93	54.00	-15.07	Average	100	275	P
8	7311.00	9.81	41.90	51.71	74.00	-22.29	Peak	100	275	P

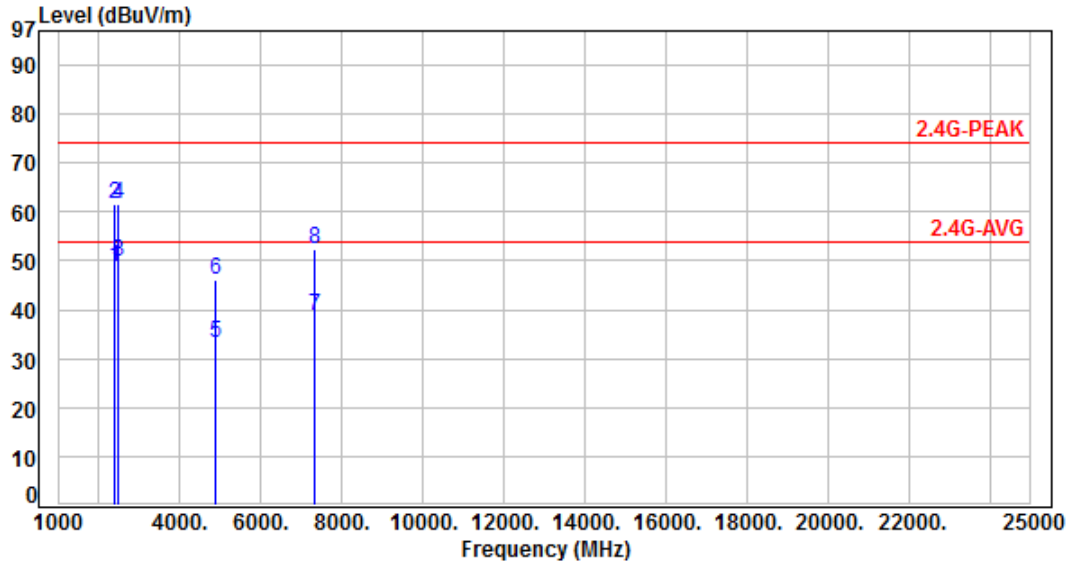
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	51.59	48.70	54.00	-5.30	Average	100	50	P
2	2390.00	-2.89	64.43	61.54	74.00	-12.46	Peak	100	50	P
3	2483.50	-2.66	52.39	49.73	54.00	-4.27	Average	315	80	P
4	2483.50	-2.66	64.17	61.51	74.00	-12.49	Peak	315	80	P
5	4874.00	4.89	28.22	33.11	54.00	-20.89	Average	100	215	P
6	4874.00	4.89	41.16	46.05	74.00	-27.95	Peak	100	215	P
7	7311.00	9.81	29.07	38.88	54.00	-15.12	Average	100	145	P
8	7311.00	9.81	42.47	52.28	74.00	-21.72	Peak	100	145	P

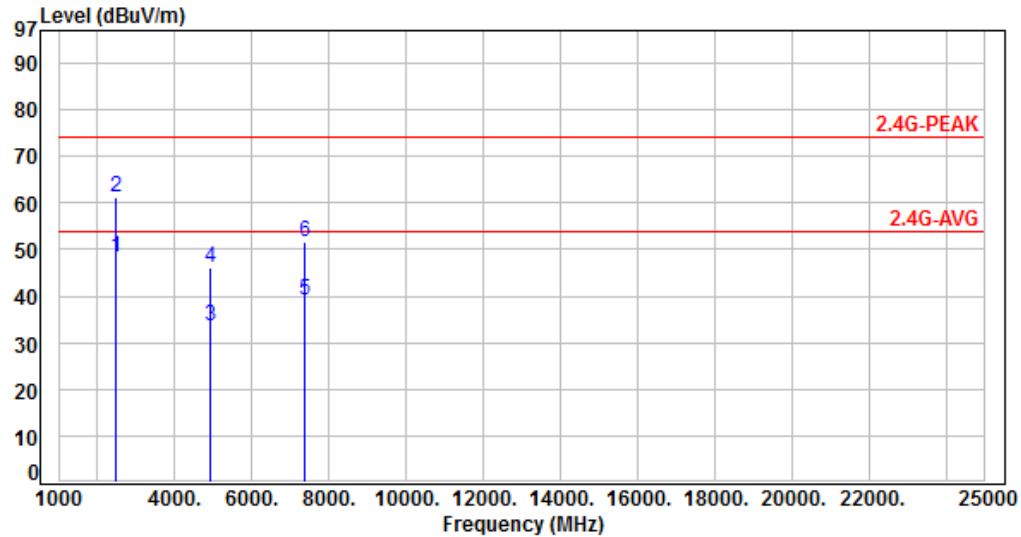
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.66	50.97	48.31	54.00	-5.69	Average	100	250	P
2	2483.50	-2.66	63.75	61.09	74.00	-12.91	Peak	100	250	P
3	4924.00	5.10	28.32	33.42	54.00	-20.58	Average	100	115	P
4	4924.00	5.10	40.83	45.93	74.00	-28.07	Peak	100	115	P
5	7386.00	9.94	29.09	39.03	54.00	-14.97	Average	100	235	P
6	7386.00	9.94	41.83	51.77	74.00	-22.23	Peak	100	235	P

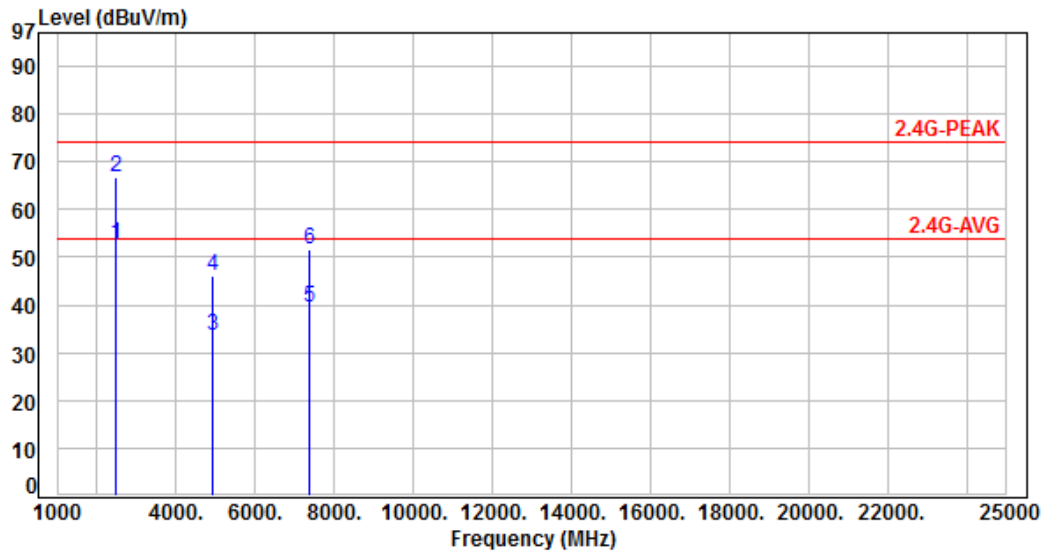
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.66	55.34	52.68	54.00	-1.32	Average	315	75	P
2	2483.50	-2.66	69.34	66.68	74.00	-7.32	Peak	315	75	P
3	4924.00	5.10	28.38	33.48	54.00	-20.52	Average	100	223	P
4	4924.00	5.10	41.14	46.24	74.00	-27.76	Peak	100	223	P
5	7386.00	9.94	29.36	39.30	54.00	-14.70	Average	100	135	P
6	7386.00	9.94	41.77	51.71	74.00	-22.29	Peak	100	135	P

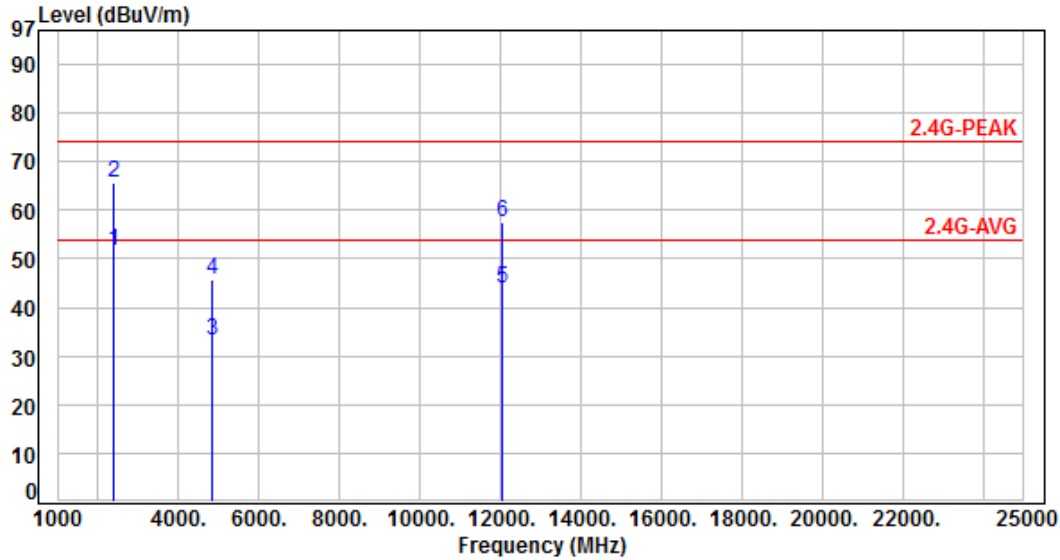
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	54.61	51.72	54.00	-2.28	Average	100	125	P
2	2390.00	-2.89	68.50	65.61	74.00	-8.39	Peak	100	125	P
3	4824.00	4.73	28.62	33.35	54.00	-20.65	Average	100	133	P
4	4824.00	4.73	40.86	45.59	74.00	-28.41	Peak	100	133	P
5	12060.00	14.70	29.30	44.00	54.00	-10.00	Average	100	56	P
6	12060.00	14.70	42.92	57.62	74.00	-16.38	Peak	100	56	P

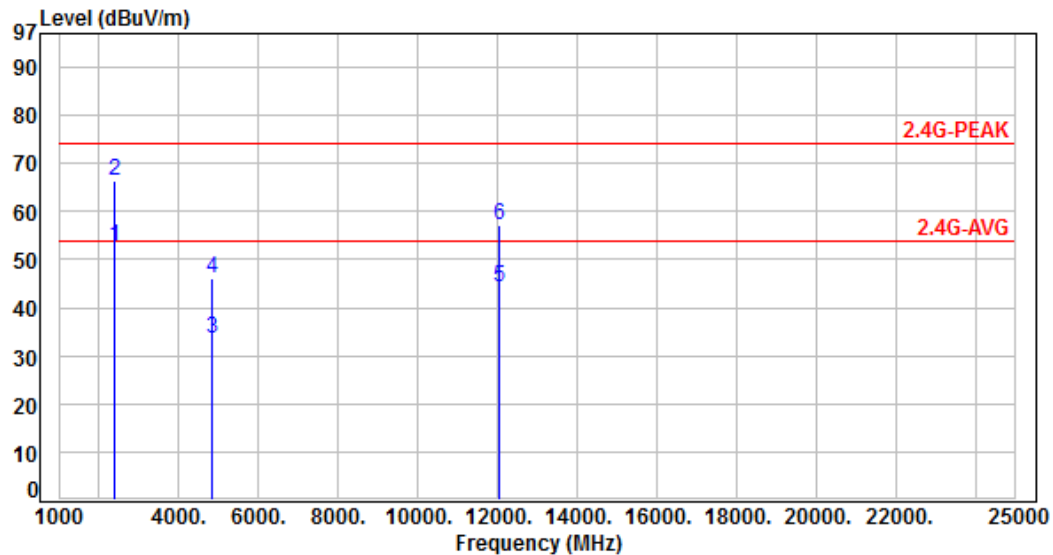
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.52	52.63	54.00	-1.37	Average	100	82	P
2	2390.00	-2.89	69.30	66.41	74.00	-7.59	Peak	100	82	P
3	4824.00	4.73	28.69	33.42	54.00	-20.58	Average	100	280	P
4	4824.00	4.73	41.40	46.13	74.00	-27.87	Peak	100	280	P
5	12060.00	14.70	29.49	44.19	54.00	-9.81	Average	100	173	P
6	12060.00	14.70	42.61	57.31	74.00	-16.69	Peak	100	173	P

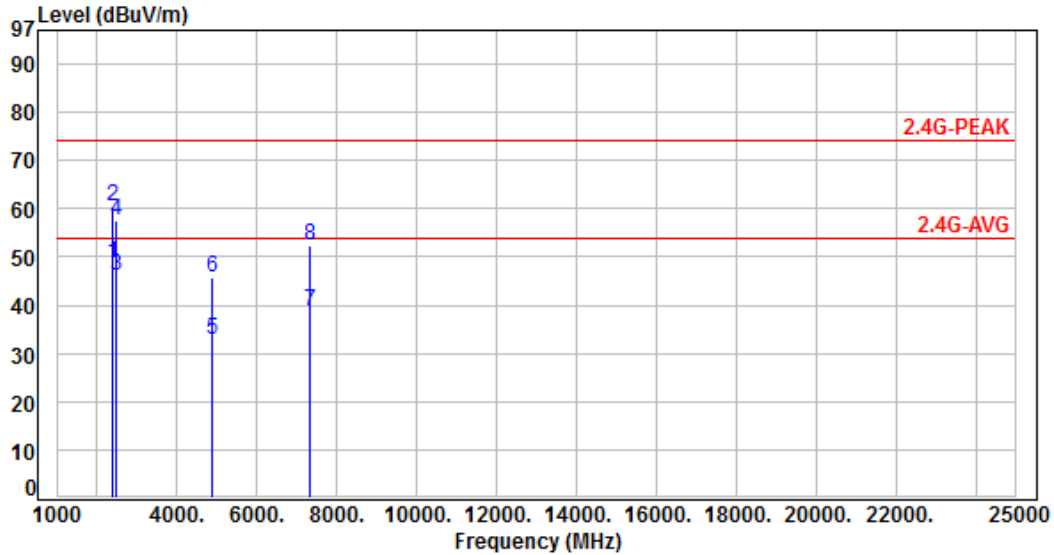
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60HZ	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5, CH06		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	51.65	48.76	54.00	-5.24	Average	100	243	P
2	2390.00	-2.89	63.40	60.51	74.00	-13.49	Peak	100	243	P
3	2483.50	-2.66	48.78	46.12	54.00	-7.88	Average	100	240	P
4	2483.50	-2.66	60.02	57.36	74.00	-16.64	Peak	100	240	P
5	4874.00	4.89	27.84	32.73	54.00	-21.27	Average	100	255	P
6	4874.00	4.89	40.93	45.82	74.00	-28.18	Peak	100	255	P
7	7311.00	9.81	28.87	38.68	54.00	-15.32	Average	100	256	P
8	7311.00	9.81	42.60	52.41	74.00	-21.59	Peak	100	256	P

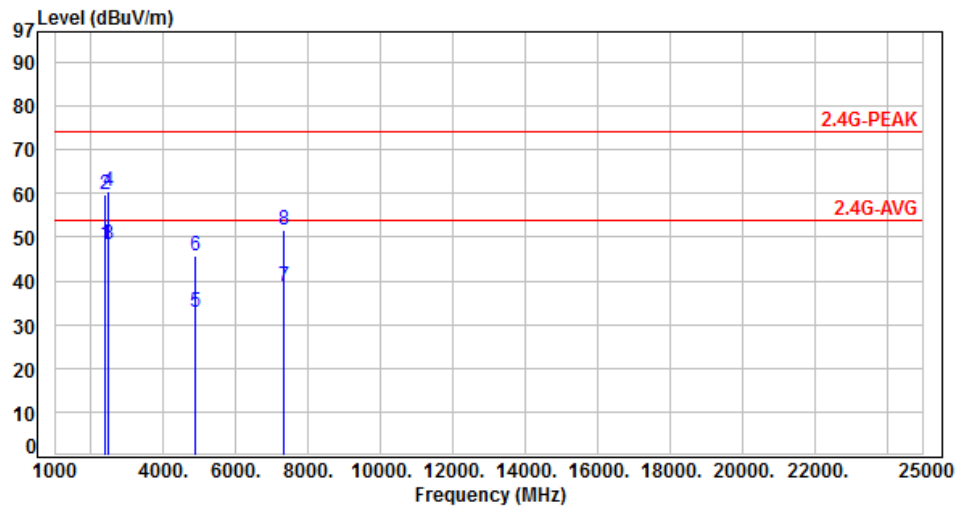
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	51.04	48.15	54.00	-5.85	Average	100	200	P
2	2390.00	-2.89	62.53	59.64	74.00	-14.36	Peak	100	200	P
3	2483.50	-2.66	51.13	48.47	54.00	-5.53	Average	100	57	P
4	2483.50	-2.66	63.00	60.34	74.00	-13.66	Peak	100	57	P
5	4874.00	4.89	27.98	32.87	54.00	-21.13	Average	100	44	P
6	4874.00	4.89	40.79	45.68	74.00	-28.32	Peak	100	44	P
7	7311.00	9.81	29.10	38.91	54.00	-15.09	Average	100	193	P
8	7311.00	9.81	41.87	51.68	74.00	-22.32	Peak	100	193	P

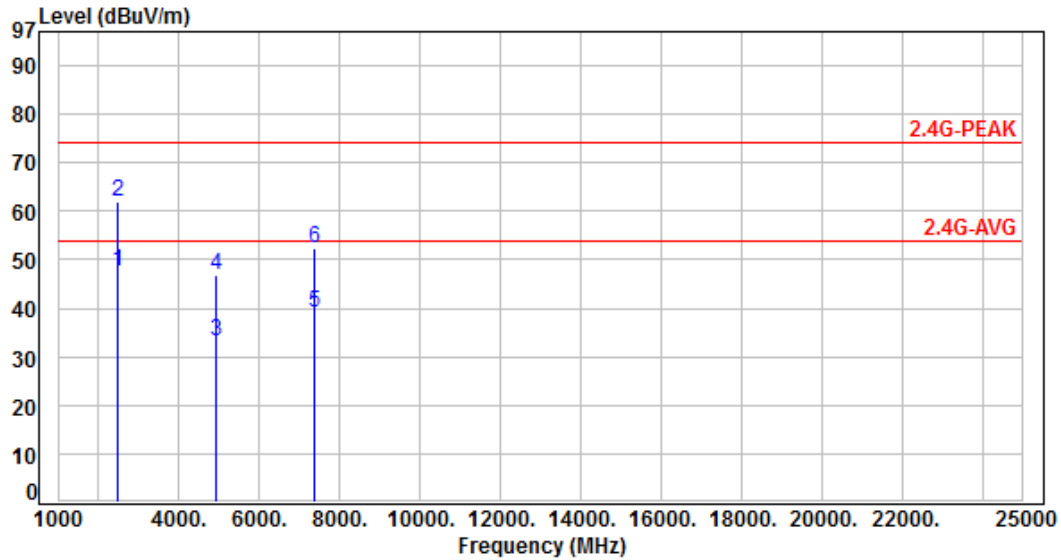
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.66	50.36	47.70	54.00	-6.30	Average	100	255	P
2	2483.50	-2.66	64.57	61.91	74.00	-12.09	Peak	100	255	P
3	4924.00	5.10	27.97	33.07	54.00	-20.93	Average	100	79	P
4	4924.00	5.10	41.75	46.85	74.00	-27.15	Peak	100	79	P
5	7386.00	9.94	29.21	39.15	54.00	-14.85	Average	100	155	P
6	7386.00	9.94	42.29	52.23	74.00	-21.77	Peak	100	155	P

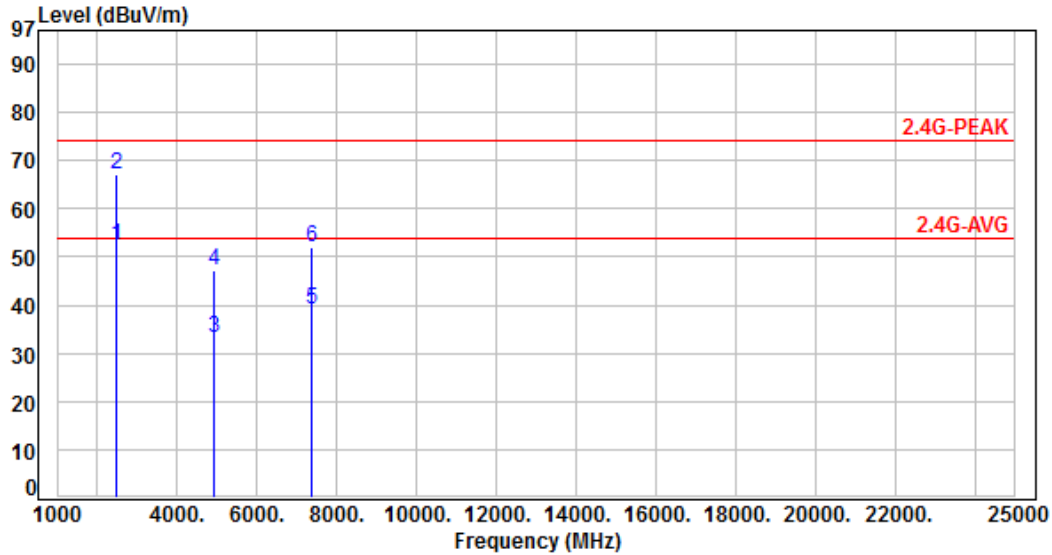
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.66	55.07	52.41	54.00	-1.59	Average	320	75	P
2	2483.50	-2.66	69.89	67.23	74.00	-6.77	Peak	320	75	P
3	4924.00	5.10	28.11	33.21	54.00	-20.79	Average	120	115	P
4	4924.00	5.10	41.93	47.03	74.00	-26.97	Peak	120	115	P
5	7386.00	9.94	29.03	38.97	54.00	-15.03	Average	100	205	P
6	7386.00	9.94	42.10	52.04	74.00	-21.96	Peak	100	205	P

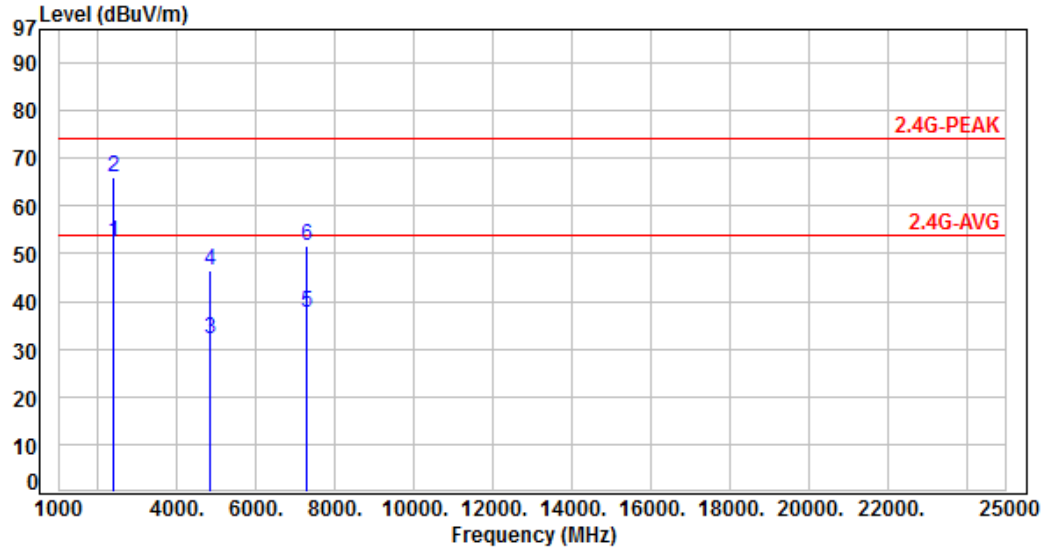
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, CH03		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.08	52.19	54.00	-1.81	Average	100	130	P
2	2390.00	-2.89	68.78	65.89	74.00	-8.11	Peak	100	130	P
3	4844.00	4.80	27.22	32.02	54.00	-21.98	Average	100	158	P
4	4844.00	4.80	41.51	46.31	74.00	-27.69	Peak	100	158	P
5	7266.00	9.63	28.17	37.80	54.00	-16.20	Average	100	70	P
6	7266.00	9.63	42.08	51.71	74.00	-22.29	Peak	100	70	P

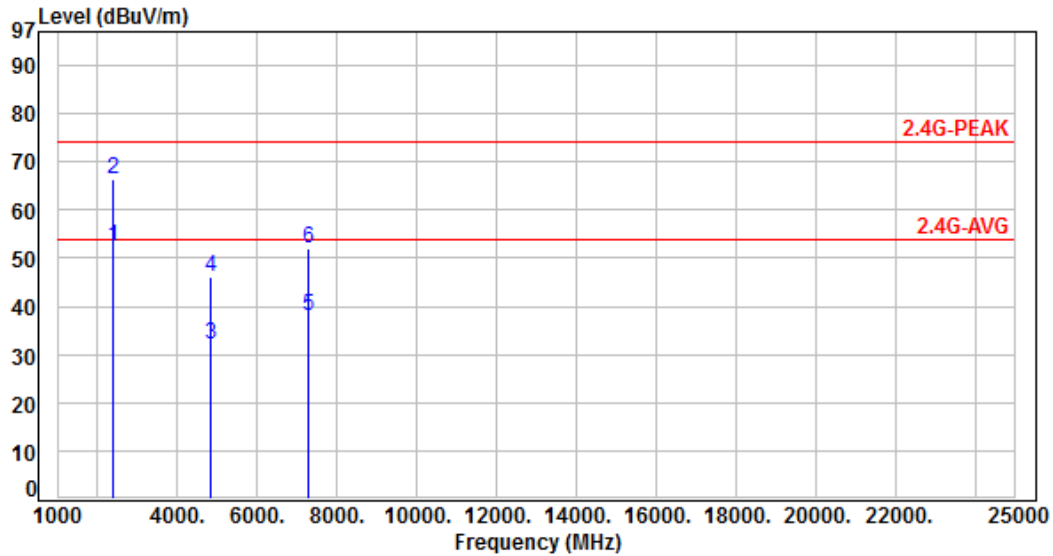
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH03		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.32	52.43	54.00	-1.57	Average	100	75	P
2	2390.00	-2.89	69.40	66.51	74.00	-7.49	Peak	100	75	P
3	4844.00	4.80	27.20	32.00	54.00	-22.00	Average	100	53	P
4	4844.00	4.80	41.28	46.08	74.00	-27.92	Peak	100	53	P
5	7266.00	9.63	28.25	37.88	54.00	-16.12	Average	100	88	P
6	7266.00	9.63	42.51	52.14	74.00	-21.86	Peak	100	88	P

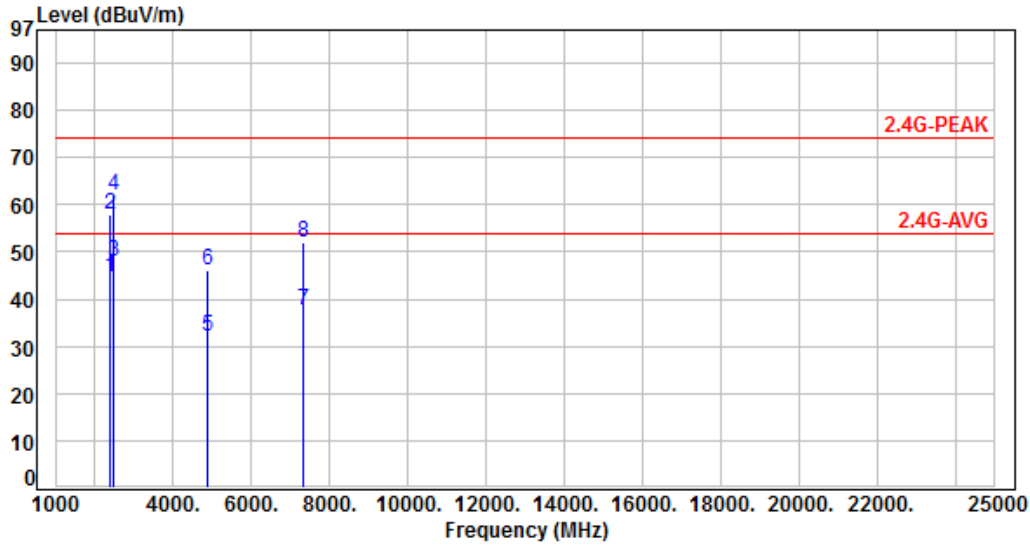
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	47.42	44.53	54.00	-9.47	Average	140	250	P
2	2390.00	-2.89	60.69	57.80	74.00	-16.20	Peak	140	250	P
3	2483.50	-2.66	50.51	47.85	54.00	-6.15	Average	100	150	P
4	2483.50	-2.66	64.78	62.12	74.00	-11.88	Peak	100	150	P
5	4874.00	4.89	27.20	32.09	54.00	-21.91	Average	100	53	P
6	4874.00	4.89	41.13	46.02	74.00	-27.98	Peak	100	53	P
7	7311.00	9.81	27.96	37.77	54.00	-16.23	Average	100	105	P
8	7311.00	9.81	42.32	52.13	74.00	-21.87	Peak	100	105	P

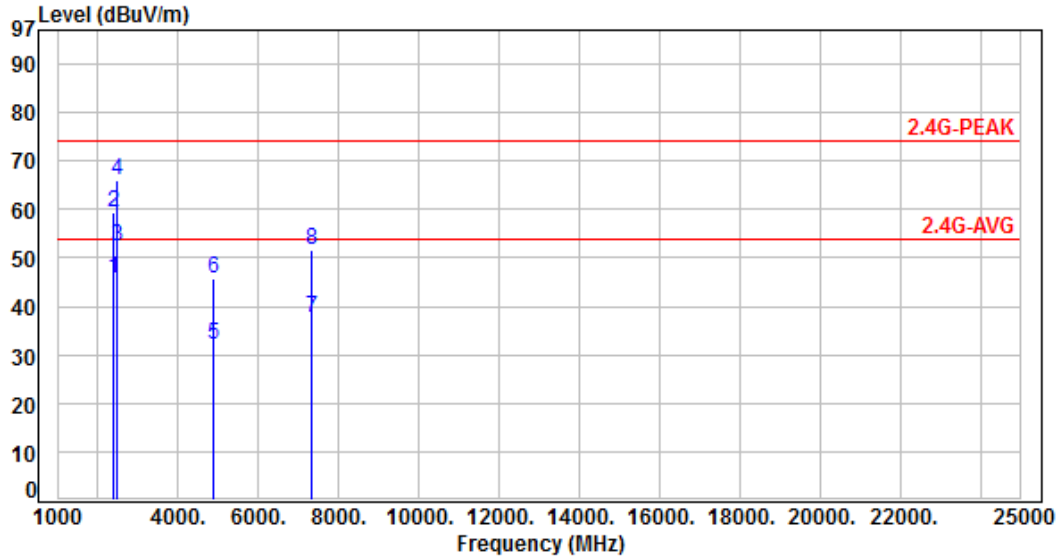
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	48.76	45.87	54.00	-8.13	Average	210	305	P
2	2390.00	-2.89	62.37	59.48	74.00	-14.52	Peak	210	305	P
3	2483.50	-2.66	55.07	52.41	54.00	-1.59	Average	100	75	P
4	2483.50	-2.66	68.69	66.03	74.00	-7.97	Peak	100	75	P
5	4874.00	4.89	27.25	32.14	54.00	-21.86	Average	100	211	P
6	4874.00	4.89	40.83	45.72	74.00	-28.28	Peak	100	211	P
7	7311.00	9.81	27.92	37.73	54.00	-16.27	Average	100	200	P
8	7311.00	9.81	41.89	51.70	74.00	-22.30	Peak	100	200	P

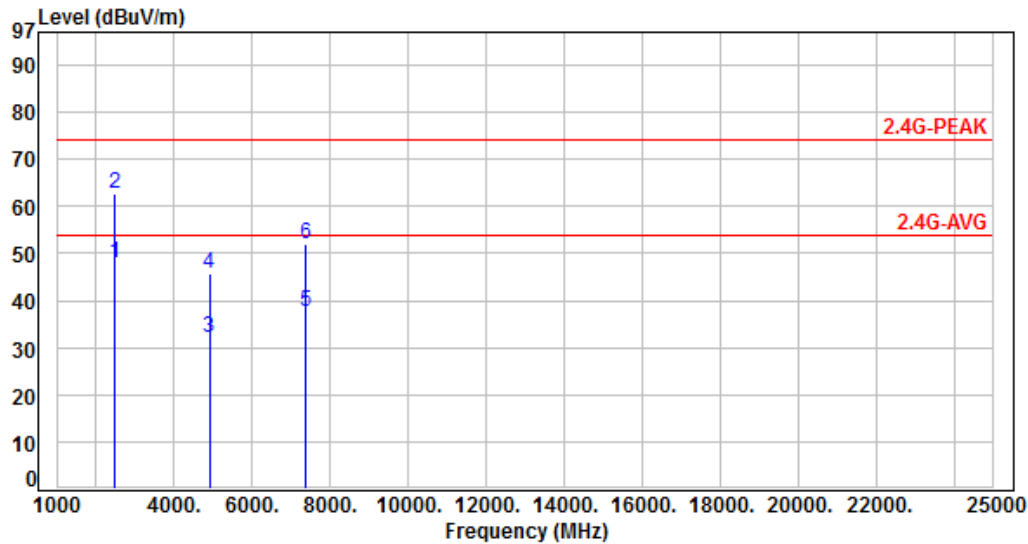
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60HZ	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 6, CH09		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.66	50.70	48.04	54.00	-5.96	Average	100	255	P
2	2483.50	-2.66	65.40	62.74	74.00	-11.26	Peak	100	255	P
3	4904.00	4.99	27.25	32.24	54.00	-21.76	Average	100	155	P
4	4904.00	4.99	40.64	45.63	74.00	-28.37	Peak	100	155	P
5	7356.00	9.91	27.87	37.78	54.00	-16.22	Average	100	63	P
6	7356.00	9.91	42.01	51.92	74.00	-22.08	Peak	100	63	P

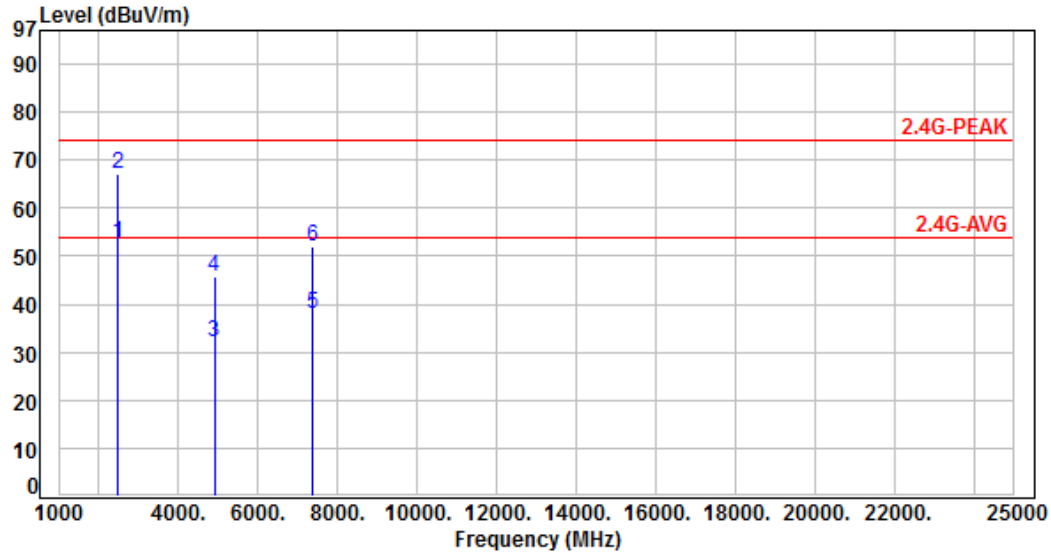
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, CH09		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.66	55.37	52.71	54.00	-1.29	Average	310	75	P
2	2483.50	-2.66	69.85	67.19	74.00	-6.81	Peak	310	75	P
3	4904.00	4.99	27.07	32.06	54.00	-21.94	Average	100	273	P
4	4904.00	4.99	40.68	45.67	74.00	-28.33	Peak	100	273	P
5	7356.00	9.91	27.90	37.81	54.00	-16.19	Average	100	107	P
6	7356.00	9.91	42.20	52.11	74.00	-21.89	Peak	100	107	P

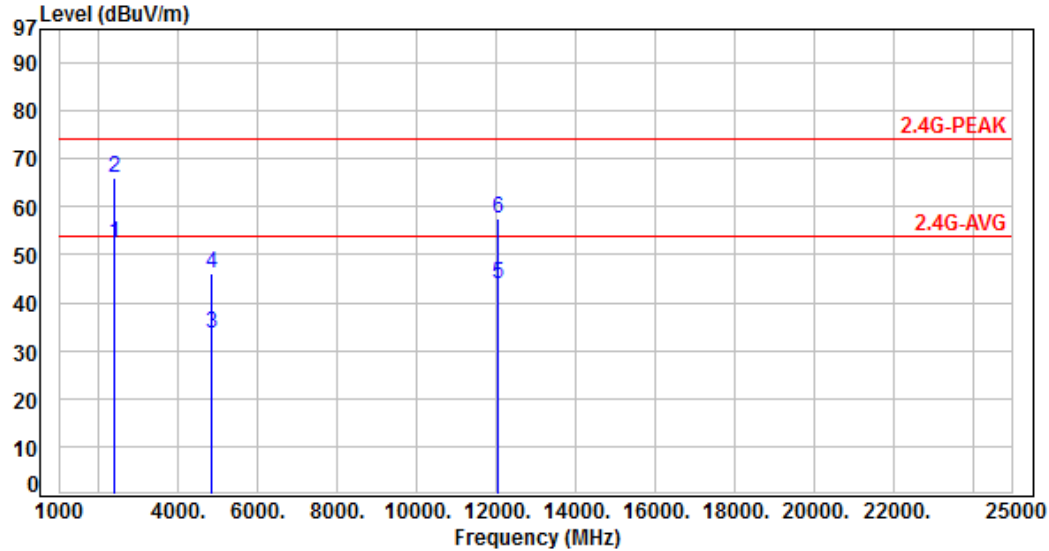
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.31	52.42	54.00	-1.58	Average	100	125	P
2	2390.00	-2.89	68.88	65.99	74.00	-8.01	Peak	100	125	P
3	4824.00	4.73	28.72	33.45	54.00	-20.55	Average	100	175	P
4	4824.00	4.73	41.27	46.00	74.00	-28.00	Peak	100	175	P
5	12060.00	14.70	29.28	43.98	54.00	-10.02	Average	100	236	P
6	12060.00	14.70	42.99	57.69	74.00	-16.31	Peak	100	236	P

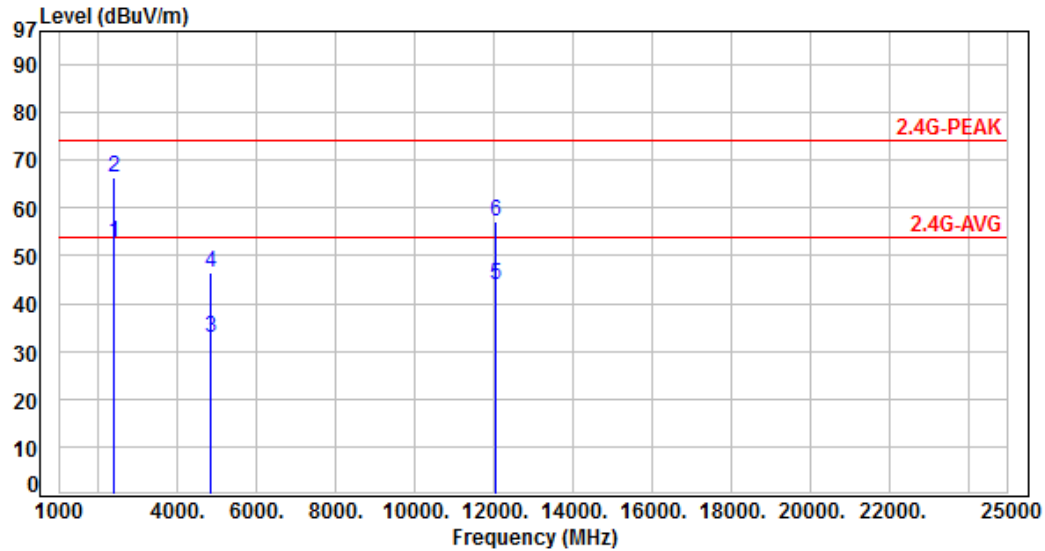
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.70	52.81	54.00	-1.19	Average	100	73	P
2	2390.00	-2.89	69.18	66.29	74.00	-7.71	Peak	100	73	P
3	4824.00	4.73	28.28	33.01	54.00	-20.99	Average	100	275	P
4	4824.00	4.73	41.88	46.61	74.00	-27.39	Peak	100	275	P
5	12060.00	14.70	29.27	43.97	54.00	-10.03	Average	100	153	P
6	12060.00	14.70	42.42	57.12	74.00	-16.88	Peak	100	153	P

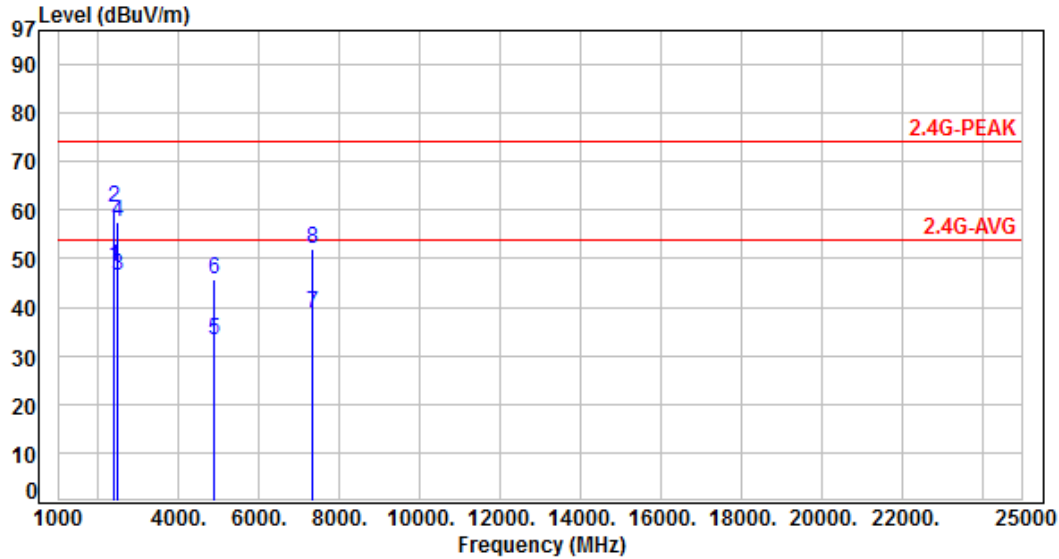
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	AC 120V / 60HZ	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, CH06		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	51.25	48.36	54.00	-5.64	Average	100	250	P
2	2390.00	-2.89	63.23	60.34	74.00	-13.66	Peak	100	250	P
3	2483.50	-2.66	49.23	46.57	54.00	-7.43	Average	100	245	P
4	2483.50	-2.66	60.33	57.67	74.00	-16.33	Peak	100	245	P
5	4874.00	4.89	28.13	33.02	54.00	-20.98	Average	100	245	P
6	4874.00	4.89	40.83	45.72	74.00	-28.28	Peak	100	245	P
7	7311.00	9.81	29.08	38.89	54.00	-15.11	Average	100	250	P
8	7311.00	9.81	42.28	52.09	74.00	-21.91	Peak	100	250	P

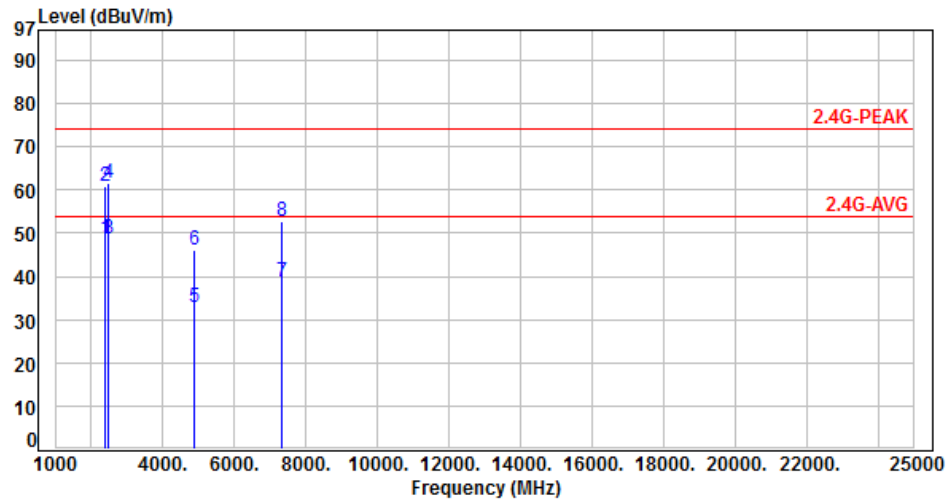
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	51.54	48.65	54.00	-5.35	Average	100	210	P
2	2390.00	-2.89	63.66	60.77	74.00	-13.23	Peak	100	210	P
3	2483.50	-2.66	51.46	48.80	54.00	-5.20	Average	100	60	P
4	2483.50	-2.66	64.08	61.42	74.00	-12.58	Peak	100	60	P
5	4874.00	4.89	27.94	32.83	54.00	-21.17	Average	100	220	P
6	4874.00	4.89	41.25	46.14	74.00	-27.86	Peak	100	220	P
7	7311.00	9.81	29.10	38.91	54.00	-15.09	Average	100	144	P
8	7311.00	9.81	43.09	52.90	74.00	-21.10	Peak	100	144	P

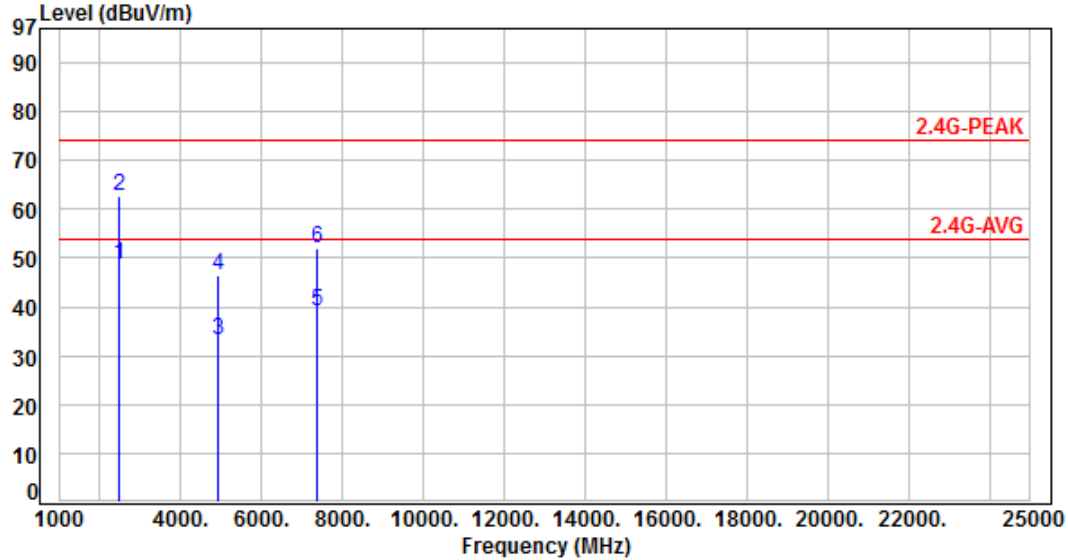
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 7, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.66	51.49	48.83	54.00	-5.17	Average	100	260	P
2	2483.50	-2.66	65.27	62.61	74.00	-11.39	Peak	100	260	P
3	4924.00	5.10	28.12	33.22	54.00	-20.78	Average	100	215	P
4	4924.00	5.10	41.21	46.31	74.00	-27.69	Peak	100	215	P
5	7386.00	9.94	29.02	38.96	54.00	-15.04	Average	100	300	P
6	7386.00	9.94	42.16	52.10	74.00	-21.90	Peak	100	300	P

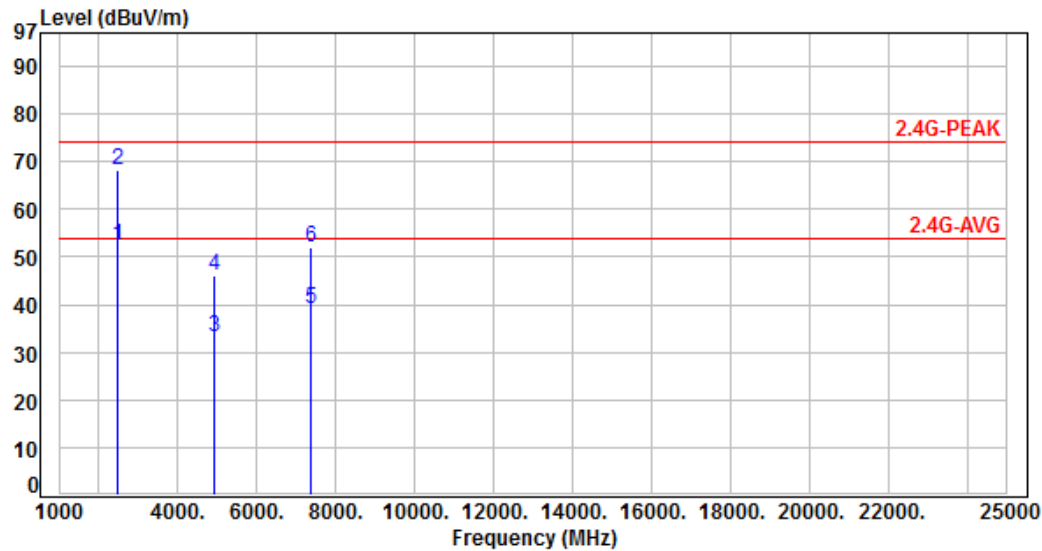
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2483.50	-2.66	55.16	52.50	54.00	-1.50	Average	315	75	P
2	2483.50	-2.66	70.78	68.12	74.00	-5.88	Peak	315	75	P
3	4924.00	5.10	28.27	33.37	54.00	-20.63	Average	100	76	P
4	4924.00	5.10	41.18	46.28	74.00	-27.72	Peak	100	76	P
5	7386.00	9.94	29.04	38.98	54.00	-15.02	Average	100	165	P
6	7386.00	9.94	42.08	52.02	74.00	-21.98	Peak	100	165	P

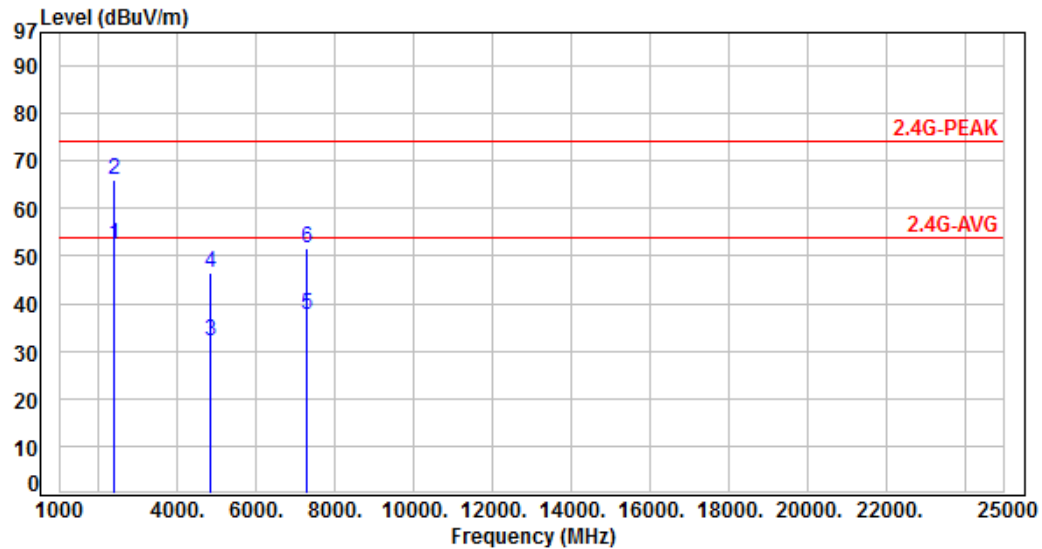
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 8, CH03		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.08	52.19	54.00	-1.81	Average	100	130	P
2	2390.00	-2.89	68.78	65.89	74.00	-8.11	Peak	100	130	P
3	4844.00	4.80	27.22	32.02	54.00	-21.98	Average	100	158	P
4	4844.00	4.80	41.51	46.31	74.00	-27.69	Peak	100	158	P
5	7266.00	9.63	28.17	37.80	54.00	-16.20	Average	100	70	P
6	7266.00	9.63	42.08	51.71	74.00	-22.29	Peak	100	70	P

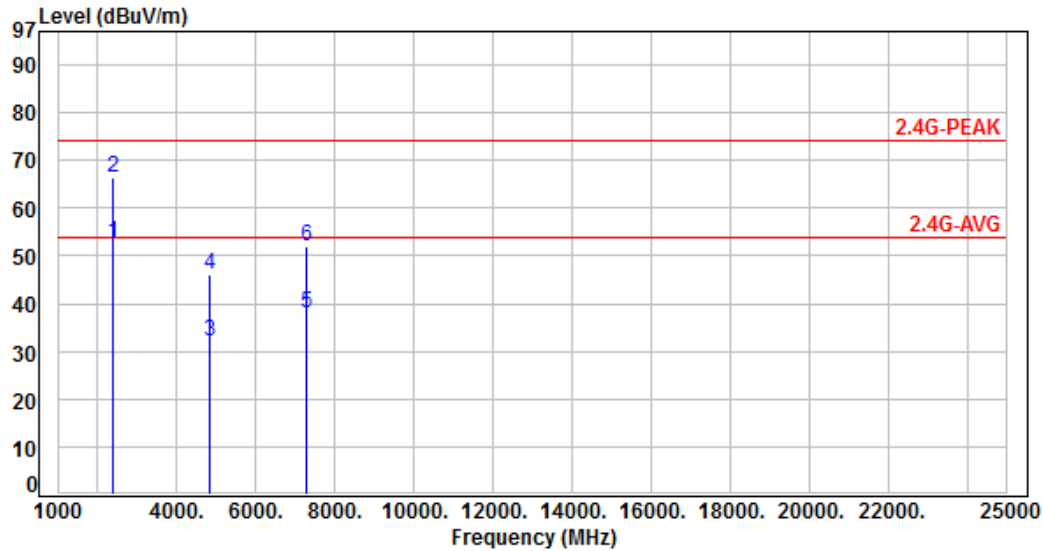
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 8, CH03		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	55.56	52.67	54.00	-1.33	Average	100	75	P
2	2390.00	-2.89	69.40	66.51	74.00	-7.49	Peak	100	75	P
3	4844.00	4.80	27.20	32.00	54.00	-22.00	Average	100	53	P
4	4844.00	4.80	41.28	46.08	74.00	-27.92	Peak	100	53	P
5	7266.00	9.63	28.25	37.88	54.00	-16.12	Average	100	88	P
6	7266.00	9.63	42.51	52.14	74.00	-21.86	Peak	100	88	P

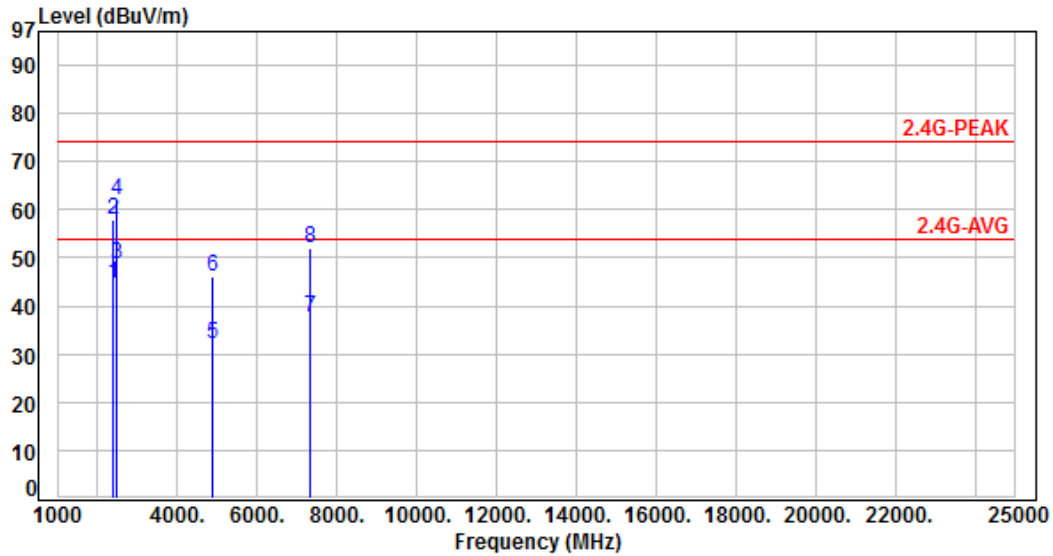
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60HZ	Pol/Phase	: VERTICAL
Test Mode	: Mode 8, CH06		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.89	47.42	44.53	54.00	-9.47	Average	140	250	P
2	2390.00	-2.89	60.69	57.80	74.00	-16.20	Peak	140	250	P
3	2483.50	-2.66	51.51	48.85	54.00	-5.15	Average	100	150	P
4	2483.50	-2.66	64.78	62.12	74.00	-11.88	Peak	100	150	P
5	4874.00	4.89	27.20	32.09	54.00	-21.91	Average	100	53	P
6	4874.00	4.89	41.13	46.02	74.00	-27.98	Peak	100	53	P
7	7311.00	9.81	27.96	37.77	54.00	-16.23	Average	100	105	P
8	7311.00	9.81	42.32	52.13	74.00	-21.87	Peak	100	105	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor