



FCC RADIO TEST REPORT

Applicant	: D-Link Corporation
Address	: No. 289, XinHu 3rd Rd., Neihu District, Taipei 11494, TAIWAN
Equipment	: Nuclias Connect AX3000 Access Point
Model No.	: DAP-X3060
Trade Name	: D-Link
FCC ID.	: KA2APX3060A1

I HEREBY CERTIFY THAT:

The sample was received on Jun. 21, 2023 and the testing was completed on Aug. 15, 2023 at CerpPASS Technology Corp. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corp., the test report shall not be reproduced except in full.

Approved by:

Mark Liao / Supervisor

Laboratory Accreditation:

CerpPASS Technology Corporation Test Laboratory





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History of this test report

Report No.	Issued Date	Description
23050291-TRFCC01	Nov. 24, 2023	Original



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)	. 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, measurement uncertainty evaluation is not considered.

*This EUT has been also tested and compiled with the requirement of FCC Part 15, Subpart B, recorded in a separate test report (23050291-TEFV01).



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Operation Frequency Range	802.11b/g/n/Turbo QAM/ax: 2400-2483.5MHz 802.11a/n/ac/ax: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz
Center Frequency Range	802.11b/g/n/Turbo QAM/ax: 2412-2462MHz 802.11a/n/ac/ax: 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz
Modulation Type	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, OFDMA
Data Rate	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(Turbo QAM) 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, VHT20/40/80/160 802.11ax: MCS0 – MCS11, HE20/40/80/160
Antenna Type	PIFA Antenna
Antenna Gain	2400-2483.5MHz: ANT A: 3.46dBi, ANT B: 3.13dBi 5150-5250MHz: ANT C: 2.51dBi, ANT D: 3.15dBi 5250-5350MHz: ANT C: 2.70dBi, ANT D: 3.37dBi 5470-5725MHz: ANT C: 3.03dBi, ANT D: 3.17dBi 5725-5850MHz: ANT C: 2.68dBi, ANT D: 3.27dBi
Adapter	Brand: APD Model: WA-30P12R
Adapter	Brand: AMIGO Model: AMS200-1201500F

Note:

1. WLAN 2.4G 802.11n supports TurboQAM.
2. EUT supports TPC function.
3. EUT supports DFS master mode.
4. WLAN 2.4GHz 802.11n/TurboQAM/ax & WLAN 5GHz 802.11n/ac/ax support beamforming function.
5. WLAN 2.4G and WLAN 5G can simultaneously transmission.
6. For more details, please refer to the User's manual of the EUT.



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

- During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- For Non-beamforming test, "QSPR ver. 5.0-00197" under Windows 10 system was executed to transmit and receive data via WLAN.
- The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode 1	802.11b (1Mbps), TX Mode, AC 240V/60Hz from Adapter: WA-30P12R
Test Mode 2	802.11b (1Mbps), TX Mode, AC 240V/60Hz from Adapter: AMS200-1201500F
Test Mode 3	802.11b (1Mbps), TX Mode, AC 120V/60Hz from Adapter: WA-30P12R
caused "Test Mode 3" generated the worst case, it was reported as the final data.	
Radiated Emissions (Below 1GHz)	
Test Mode 1	802.11b (1Mbps), TX Mode, AC 240V/60Hz from Adapter: WA-30P12R
Test Mode 2	802.11b (1Mbps), TX Mode, AC 240V/60Hz from Adapter: AMS200-1201500F
Test Mode 3	802.11b (1Mbps), TX Mode, AC 120V/60Hz from Adapter: WA-30P12R
caused "Test Mode 3" generated the worst case, it was reported as the final data.	
Radiated Emissions (Above 1GHz)	
Test Mode 1	802.11b (1Mbps), TX Mode, AC 120V/60Hz from Adapter: WA-30P12R
Test Mode 2	802.11g (6Mbps), TX Mode, AC 120V/60Hz from Adapter: WA-30P12R
Test Mode 3	802.11n VHT20(TurboQAM)(6.5Mbps), TX Mode, AC 120V/60Hz from Adapter: WA-30P12R
Test Mode 4	802.11n VHT40(TurboQAM)(13.5Mbps), TX Mode, AC 120V/60Hz from Adapter: WA-30P12R
Test Mode 5	802.11ax HE20 (7.3Mbps), TX Mode, AC 120V/60Hz from Adapter: WA-30P12R
Test Mode 6	802.11ax HE40 (14.6Mbps), TX Mode, AC 120V/60Hz from Adapter: WA-30P12R
caused "Test Mode 1, 2, 5, 6" were the worst case, these were reported as the final data.	

Note: The EUT supports non-beamforming and beamforming function, after engineering evaluation, non-beamforming generated the worst case, it was reported as the final data.

The EUT incorporates a MIMO function

Modulation Type	TX CONFIGURATION
802.11b	2TX
802.11g	2TX
802.11n HT20	2TX
802.11n HT40	2TX
802.11n VHT20(TurboQAM)	2TX
802.11n VHT40(TurboQAM)	2TX
802.11ax HE20	2TX
802.11ax HE40	2TX



2.4 Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/ Length/Type
Notebook	lenovo	S1GL2W	N/A	Adapter / 1.8m / NS
RJ45 Cable	TE CONNECTIVITY	CAT5E	1.2m / NS	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

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	15m / NS	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
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.	

Non-beamforming

Test Item	Test Site	Test Period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2023/07/29	26.5°C / 50%	Leon Huang
Radiated Emissions	3M02-NK	2023/07/13~ 2023/07/14	23~24°C / 40~42%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2023/07/28	23°C / 67%	Leon Huang

Beamforming

Test Item	Test Site	Test Period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2023/07/29	26.5°C / 50%	Leon Huang

Co-Located

Test Item	Test Site	Test Period	Environmental Conditions	Tested By
RF Conducted	RFCON01-NK	2023/07/15~ 2023/08/15	23.2~26.5°C / 47~57%	Leon Huang



2.6 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor (k=2)).

Measurement Item	Uncertainty
AC Power Line Conduction(150K~30MHz)	±3.28dB
Radiated Spurious Emission(9KHz~30MHz)	±3.5dB
Radiated Spurious Emission(30MHz~1GHz)	±5.1dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
Conducted Spurious Emission	±2.1dB
6dB Bandwidth	±5.4%
20dB Bandwidth	±4.4%
Occupied Bandwidth	±4.5%
Peak Output Power(Conducted Power Meter)	±1.1dB
Dwell Time / Deactivation Time	±7.6%
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%



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	275	2022/11/18	2023/11/17
Active Loop Antenna	Schwarzbeck	FMZB 1513	414	2023/02/03	2024/02/02
Horn Antenna	EMCO	3115	31589	2023/03/23	2024/03/22
Horn Antenna	EMCO	3116	31970	2023/03/03	2024/03/02
EMI Receiver	ROHDE & SCHWARZ	ESCI	101423	2023/07/05	2024/07/04
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2022/08/19	2023/08/18
Preamplifier	Agilent	8449B	3008A01954	2023/03/08	2024/03/07
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2022/11/11	2023/11/10
Preamplifier	EM Electronics corp.	EM330	60658	2022/10/04	2023/10/03
High Pass Filter	Warison	WFIL-H3000-18000F-03	WR377WC2B1	2022/09/01	2023/08/31
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2022/07/27	2023/07/26
Cable-3in1 (30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2023/02/25	2024/02/24
Cable-0.5m (1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2023/03/07	2024/03/06
Cable-3m (1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2023/03/07	2024/03/06
Cable-8m (1G-26.5G)	WOKEN	WCBA-WCA203 SM	CCE1374	2023/03/07	2024/03/06
Cable-0.5m (30M-40G)	HUBER SUHNER	SUCOFLEX 102	28420/2	2023/03/07	2024/03/06
Cable-3m (10M-40G)	HUBER SUHNER	SF102	804619/2	2022/10/11	2023/10/10
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
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2022/11/29	2023/11/28
Power Meter	Anritsu	ML2495A	1224005	2023/03/07	2024/03/06
Power Sensor	Anritsu	MA2411B	1207295	2023/03/07	2024/03/06
Attenuator	KEYSIGHT	8491B	MY39250703	2023/03/08	2024/03/07



Test Item	AC Power Line Conducted Emission				
Test Site	CON02-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	ROHDE & SCHWARZ	ESR 7	101906	2023/05/08	2024/05/07
TWO-LINE V-NETWORK	ROHDE & SCHWARZ	ENV216	102185	2022/08/24	2023/08/23
Cable-6m (9k~300M)	NA	EMC5D-BM-B M-6	130606	2023/03/13	2024/03/12
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	ANT A: 3.46dBi, ANT B: 3.13dBi

Non-beamforming

For Power directional gain= $G_{\text{ant}} = 3.46 \text{ dBi}$

For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{\text{ANT}}]$
= 6.31 dBi

*MIMO type: Cyclic Delay Diversity (CDD) mode.

Beamforming

For Power directional gain= $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{\text{ANT}}]$
= 6.31 dBi

For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{\text{ANT}}]$
= 6.31 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 C63.10-2013. 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

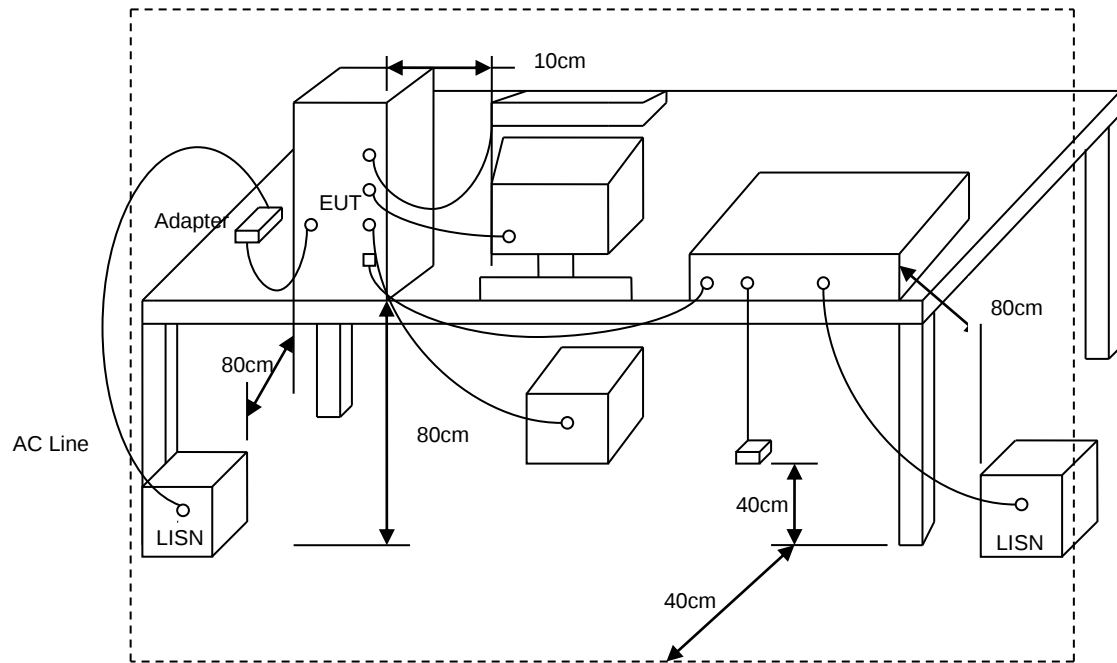
*Decreases with the logarithm of the frequency.

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.



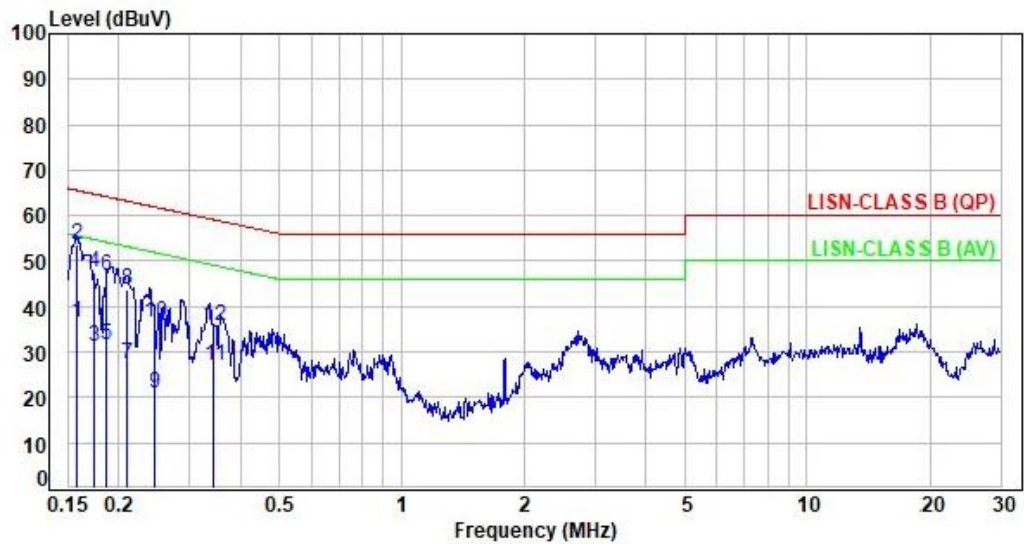
5.3 Typical Test Setup





5.4 Test Result and Data

Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: LINE
Test Mode	: Mode 3, 11b CH01		



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.65	26.86	36.51	55.55	-19.04	Average	P
2	0.16	9.65	44.08	53.73	65.55	-11.82	QP	P
3	0.17	9.64	21.42	31.06	54.78	-23.72	Average	P
4	0.17	9.64	37.97	47.61	64.78	-17.17	QP	P
5	0.19	9.64	22.09	31.73	54.20	-22.47	Average	P
6	0.19	9.64	37.28	46.92	64.20	-17.28	QP	P
7	0.21	9.64	17.70	27.34	53.23	-25.89	Average	P
8	0.21	9.64	34.04	43.68	63.23	-19.55	QP	P
9	0.25	9.64	11.11	20.75	51.92	-31.17	Average	P
10	0.25	9.64	26.69	36.33	61.92	-25.59	QP	P
11	0.34	9.66	17.48	27.14	49.09	-21.95	Average	P
12	0.34	9.66	26.09	35.75	59.09	-23.34	QP	P

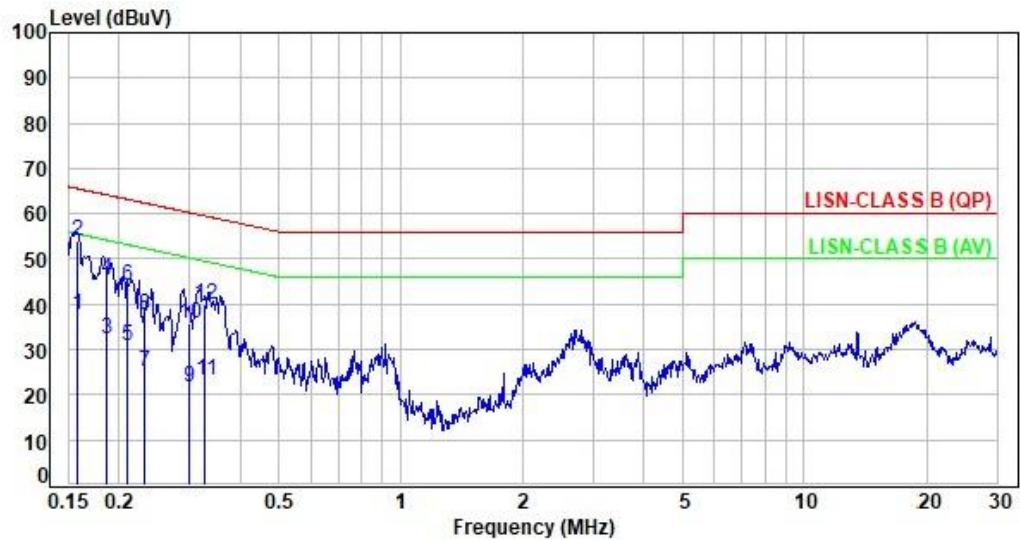
Note: Level=Reading+Factor

Margin=Level-Limit

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



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: NEUTRAL
Test Mode	: Mode 3, 11b CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.66	28.07	37.73	55.60	-17.87	Average	P
2	0.16	9.66	44.41	54.07	65.60	-11.53	QP	P
3	0.19	9.65	22.73	32.38	54.15	-21.77	Average	P
4	0.19	9.65	35.87	45.52	64.15	-18.63	QP	P
5	0.21	9.65	21.12	30.77	53.20	-22.43	Average	P
6	0.21	9.65	34.40	44.05	63.20	-19.15	QP	P
7	0.23	9.65	15.58	25.23	52.39	-27.16	Average	P
8	0.23	9.65	28.03	37.68	62.39	-24.71	QP	P
9	0.30	9.66	11.90	21.56	50.30	-28.74	Average	P
10	0.30	9.66	26.03	35.69	60.30	-24.61	QP	P
11	0.33	9.66	13.51	23.17	49.52	-26.35	Average	P
12	0.33	9.66	30.14	39.80	59.52	-19.72	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 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.

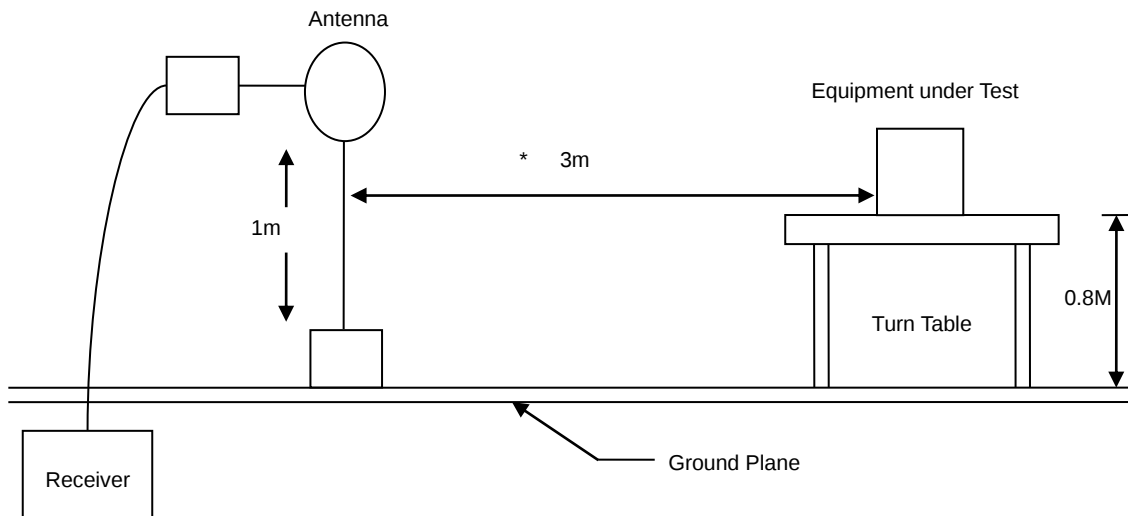
Note:

1. The supporting fixture shall permit orientation of the EUT in each of three orthogonal axis positions such that emissions from the EUT are maximized. (Y-AXIS is the worst.)
2. Due to the test software function limit the operation band setting (200dBuV/m). There's no corresponding limitation in the actual test item.

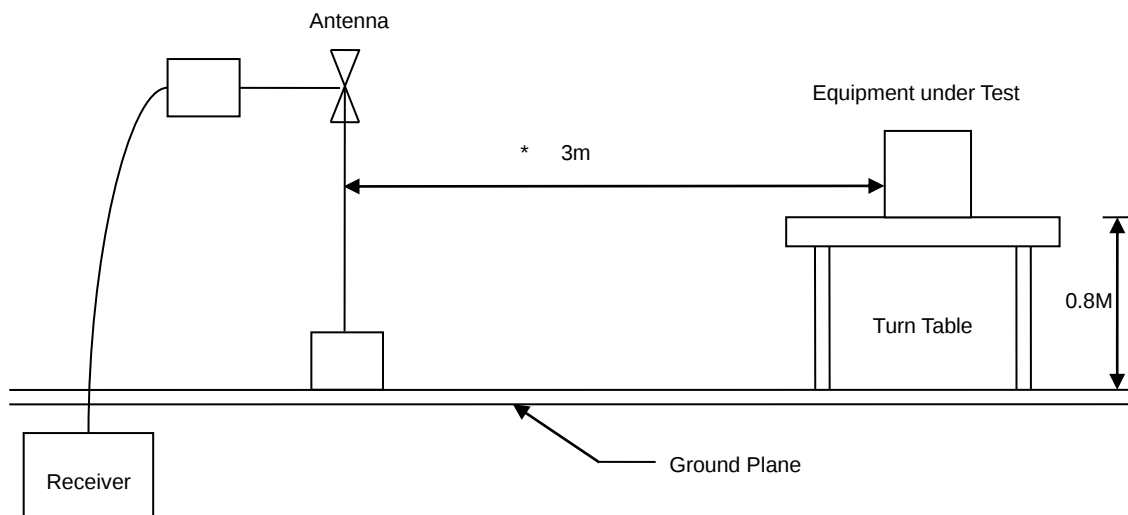


6.3 Typical Test Setup

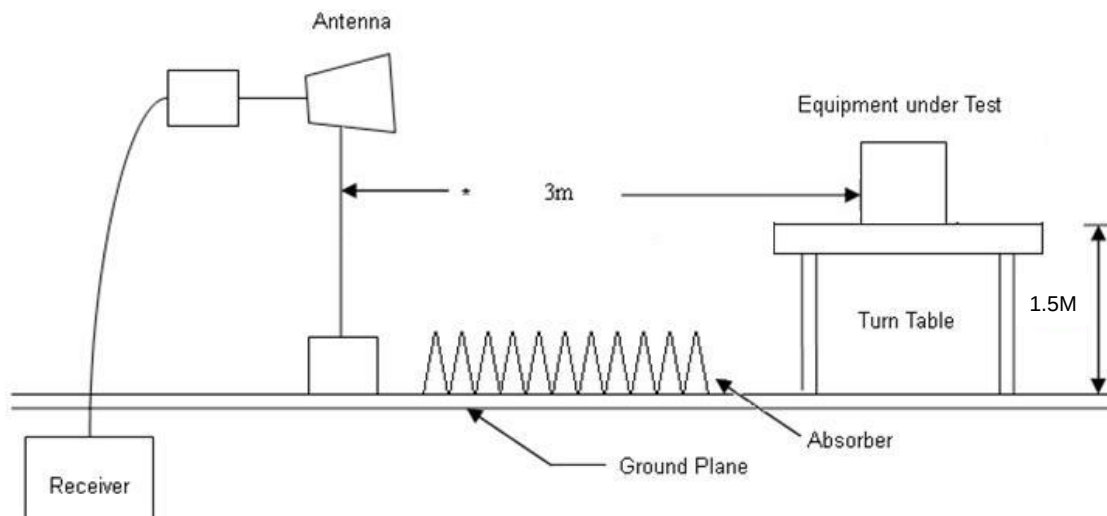
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



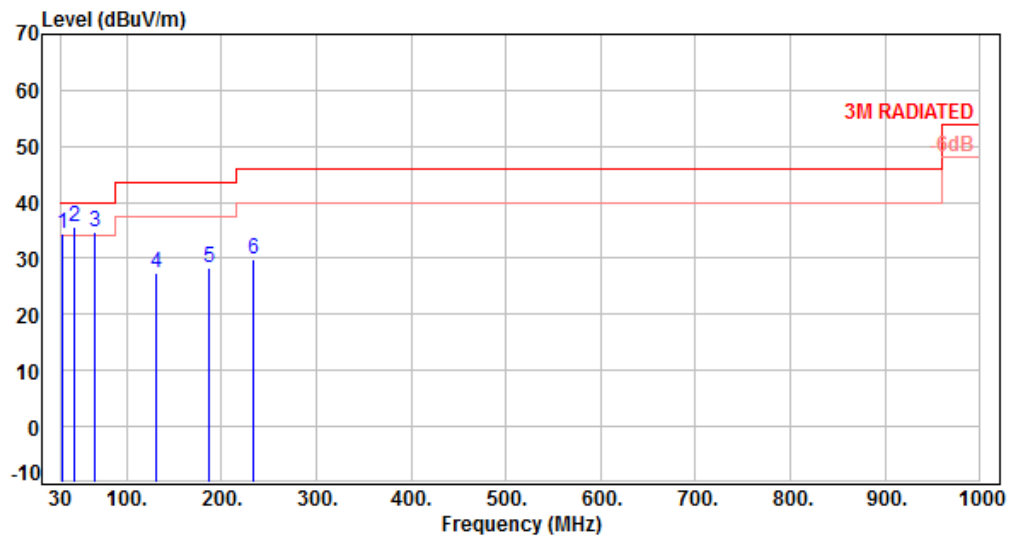


6.4 Test Result and Data (9KHz ~ 30MHz)

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

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

Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, 11b CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	31.94	-12.27	46.69	34.42	40.00	-5.58	Peak	400	360	P
2	45.52	-10.26	45.78	35.52	40.00	-4.48	Peak	400	360	P
3	66.86	-12.81	47.46	34.65	40.00	-5.35	Peak	400	360	P
4	130.88	-12.30	39.71	27.41	43.50	-16.09	Peak	400	360	P
5	187.14	-13.33	41.57	28.24	43.50	-15.26	Peak	400	360	P
6	233.70	-13.41	43.39	29.98	46.00	-16.02	Peak	400	360	P

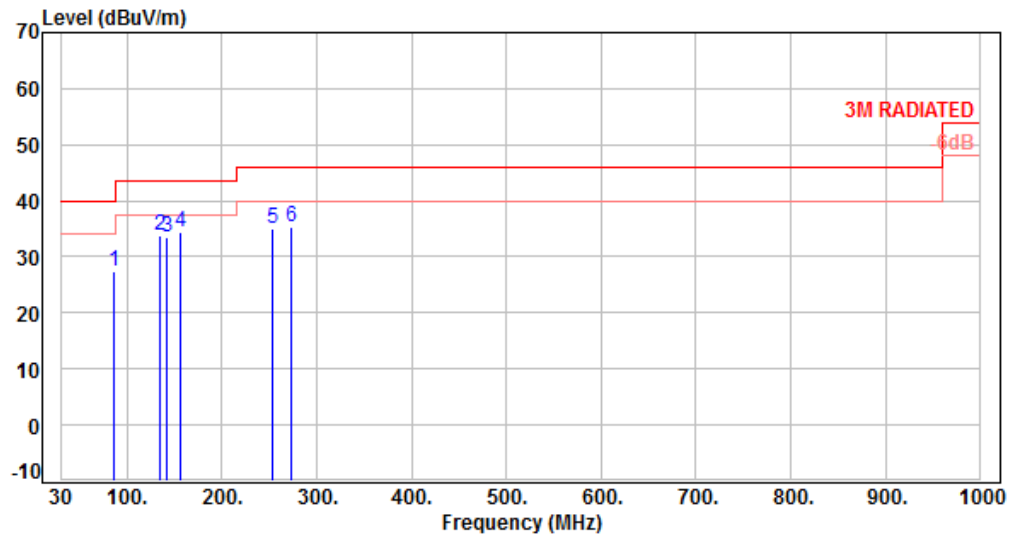
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, 11b CH01		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	86.26	-16.87	44.16	27.29	40.00	-12.71	Peak	400	360	P
2	134.76	-12.03	45.68	33.65	43.50	-9.85	Peak	400	360	P
3	142.52	-11.06	44.71	33.65	43.50	-9.85	Peak	400	360	P
4	156.10	-10.84	45.25	34.41	43.50	-9.09	Peak	400	360	P
5	253.10	-11.93	46.97	35.04	46.00	-10.96	Peak	400	360	P
6	272.50	-11.03	46.46	35.43	46.00	-10.57	Peak	400	360	P

Note: Level=Reading+Factor

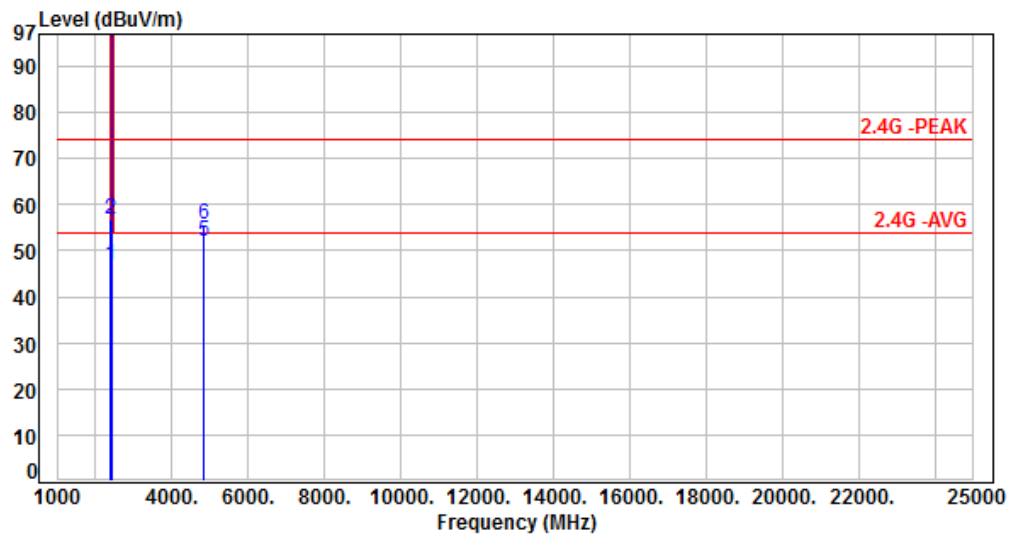
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



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

Power	:	AC 120V / 60Hz from Adapter	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, 11b 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	-2.12	49.07	46.95	54.00	-7.05	Average	159	7	P
2	2390.00	-2.12	58.94	56.82	74.00	-17.18	Peak	159	7	P
3	2412.00	-2.10	113.26	111.16	200.00	-88.84	Average	159	7	P
4	2412.00	-2.10	115.22	113.12	200.00	-86.88	Peak	159	7	P
5	4824.00	6.94	45.16	52.10	54.00	-1.90	Average	329	342	P
6	4824.00	6.94	48.57	55.51	74.00	-18.49	Peak	329	342	P

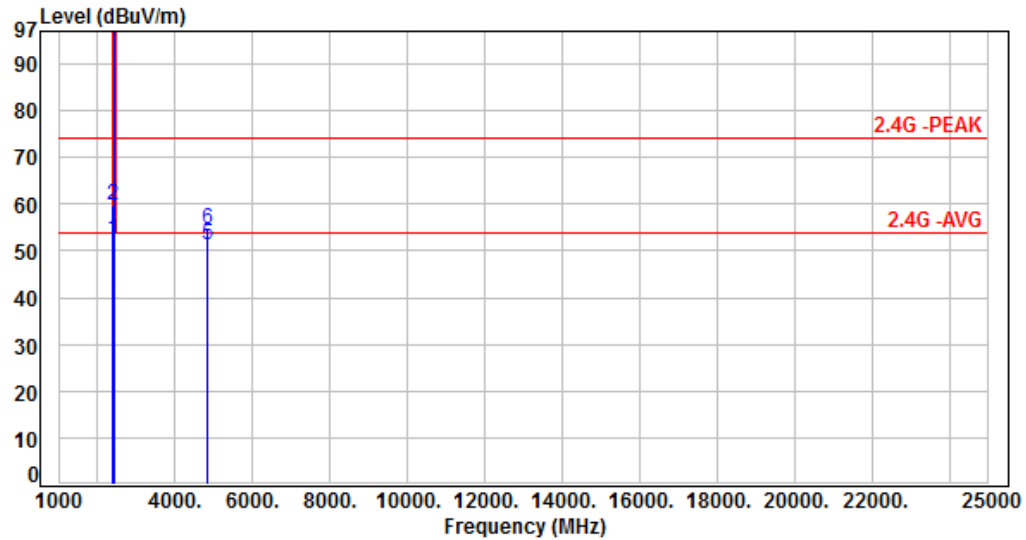
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, 11b CH01		:

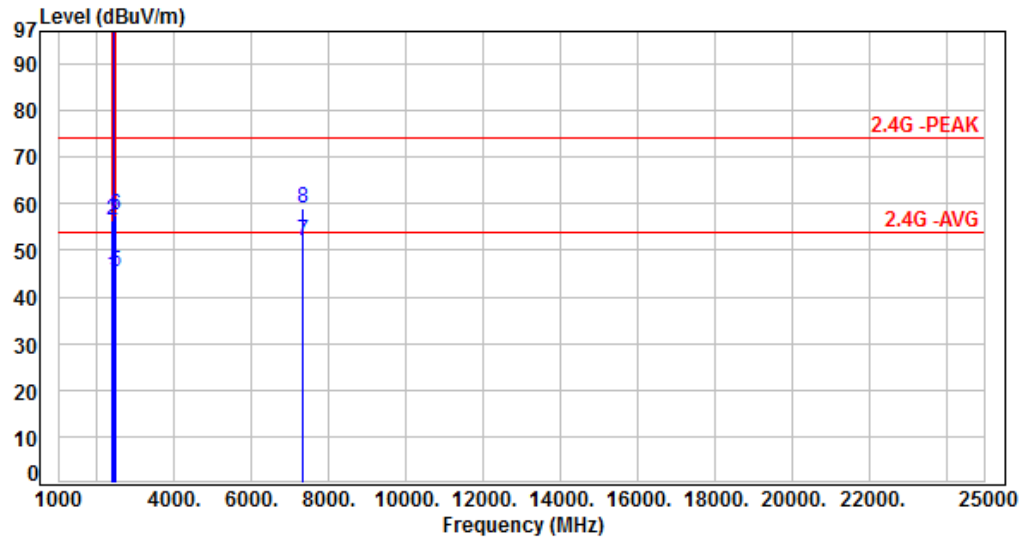


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.12	54.37	52.25	54.00	-1.75	Average	231	68	P
2	2390.00	-2.12	61.98	59.86	74.00	-14.14	Peak	231	68	P
3	2412.00	-2.10	114.47	112.37	200.00	-87.63	Average	231	68	P
4	2412.00	-2.10	116.98	114.88	200.00	-85.12	Peak	231	68	P
5	4824.00	6.94	44.47	51.41	54.00	-2.59	Average	141	342	P
6	4824.00	6.94	47.79	54.73	74.00	-19.27	Peak	141	342	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, 11b 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	-2.12	46.90	44.78	54.00	-9.22	Average	152	8	P
2	2390.00	-2.12	58.52	56.40	74.00	-17.60	Peak	152	8	P
3	2437.00	-2.07	109.05	106.98	200.00	-93.02	Average	152	8	P
4	2437.00	-2.07	111.27	109.20	200.00	-90.80	Peak	152	8	P
5	2483.50	-1.98	47.23	45.25	54.00	-8.75	Average	152	8	P
6	2483.50	-1.98	59.43	57.45	74.00	-16.55	Peak	152	8	P
7	7311.00	12.28	39.62	51.90	54.00	-2.10	Average	148	360	P
8	7311.00	12.28	46.64	58.92	74.00	-15.08	Peak	148	360	P

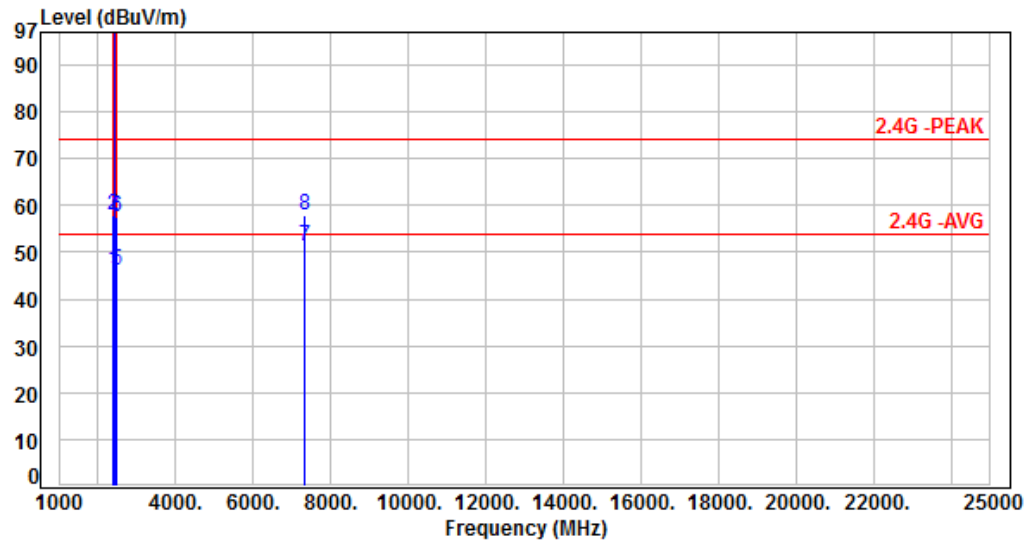
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, 11b 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	-2.12	48.31	46.19	54.00	-7.81	Average	227	65	P
2	2390.00	-2.12	59.85	57.73	74.00	-16.27	Peak	227	65	P
3	2437.00	-2.07	111.16	109.09	200.00	-90.91	Average	227	65	P
4	2437.00	-2.07	113.30	111.23	200.00	-88.77	Peak	227	65	P
5	2483.50	-1.98	47.99	46.01	54.00	-7.99	Average	227	65	P
6	2483.50	-1.98	59.64	57.66	74.00	-16.34	Peak	227	65	P
7	7311.00	12.28	39.06	51.34	54.00	-2.66	Average	396	320	P
8	7311.00	12.28	45.68	57.96	74.00	-16.04	Peak	396	320	P

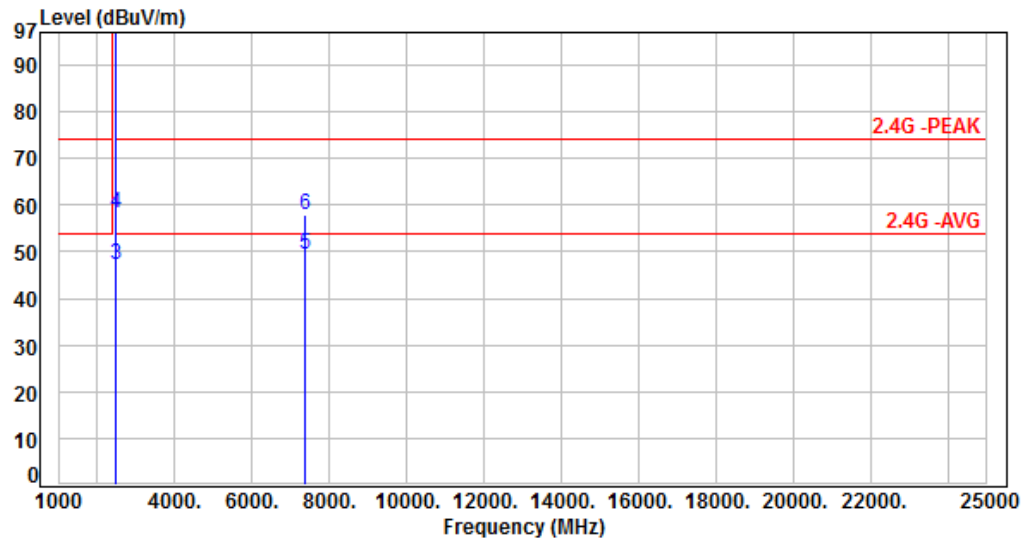
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, 11b CH11		:

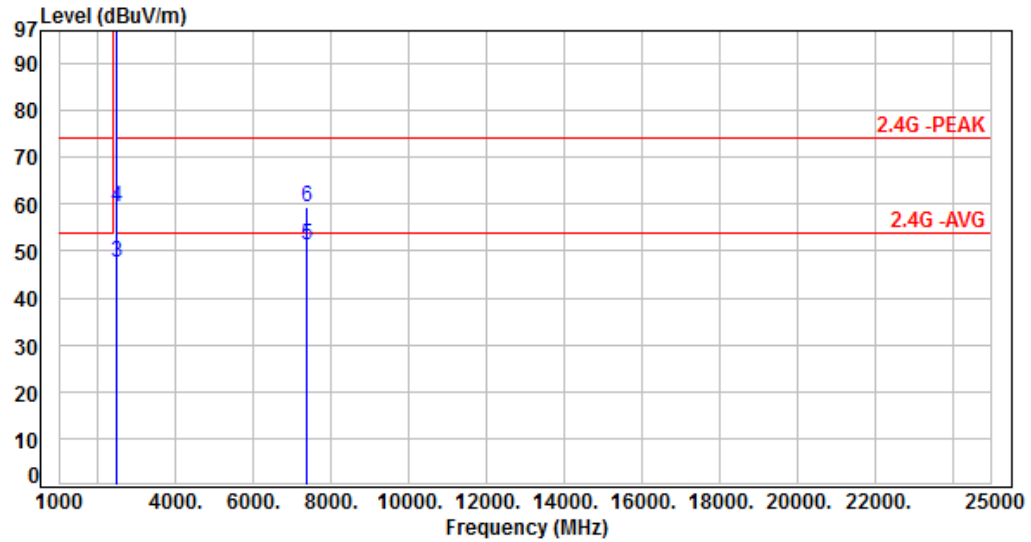


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.02	108.30	106.28	200.00	-93.72	Average	100	347	P
2	2462.00	-2.02	110.37	108.35	200.00	-91.65	Peak	100	347	P
3	2483.50	-1.98	49.05	47.07	54.00	-6.93	Average	100	347	P
4	2483.50	-1.98	60.12	58.14	74.00	-15.86	Peak	100	347	P
5	7386.00	12.39	37.16	49.55	54.00	-4.45	Average	100	13	P
6	7386.00	12.39	45.47	57.86	74.00	-16.14	Peak	100	13	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, 11b CH11		:

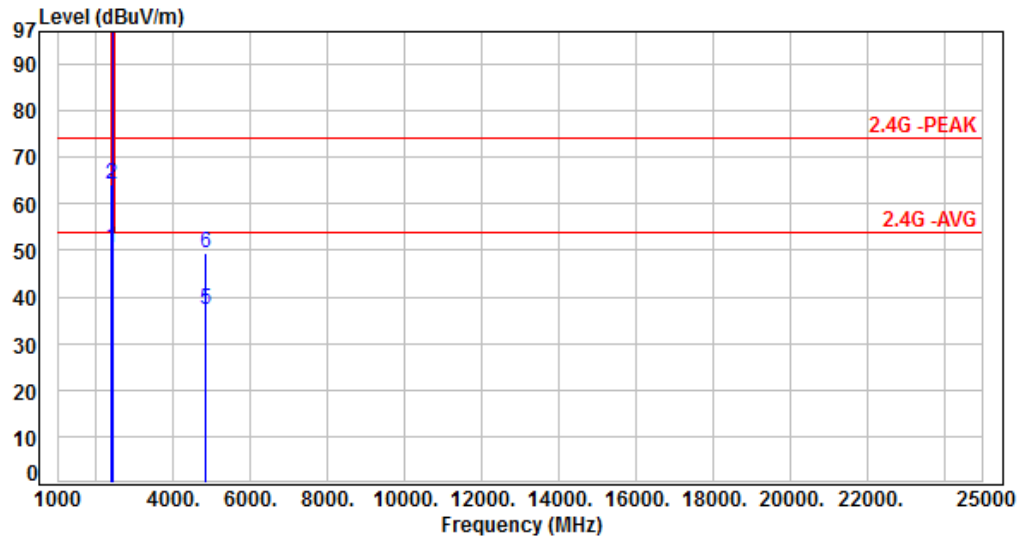


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.02	109.58	107.56	200.00	-92.44	Average	100	44	P
2	2462.00	-2.02	112.15	110.13	200.00	-89.87	Peak	100	44	P
3	2483.50	-1.98	49.39	47.41	54.00	-6.59	Average	100	44	P
4	2483.50	-1.98	61.25	59.27	74.00	-14.73	Peak	100	44	P
5	7386.00	12.39	38.94	51.33	54.00	-2.67	Average	217	7	P
6	7386.00	12.39	46.96	59.35	74.00	-14.65	Peak	217	7	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, 11g 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	-2.12	52.52	50.40	54.00	-3.60	Average	143	348	P
2	2390.00	-2.12	66.17	64.05	74.00	-9.95	Peak	143	348	P
3	2412.00	-2.10	107.71	105.61	200.00	-94.39	Average	143	348	P
4	2412.00	-2.10	117.28	115.18	200.00	-84.82	Peak	143	348	P
5	4824.00	6.94	30.33	37.27	54.00	-16.73	Average	100	325	P
6	4824.00	6.94	42.46	49.40	74.00	-24.60	Peak	100	325	P

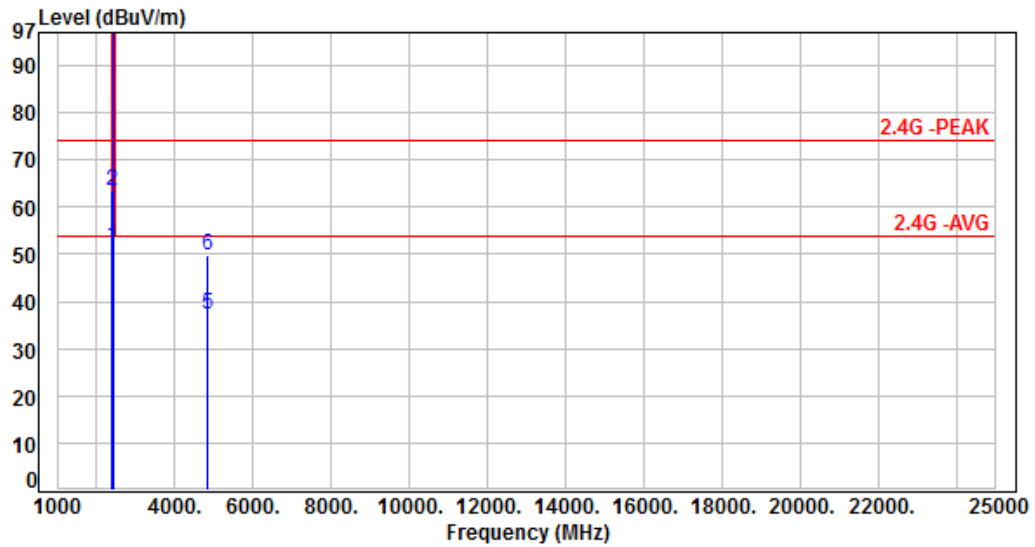
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, 11g 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	-2.12	53.87	51.75	54.00	-2.25	Average	204	66	P
2	2390.00	-2.12	65.50	63.38	74.00	-10.62	Peak	204	66	P
3	2412.00	-2.10	109.28	107.18	200.00	-92.82	Average	204	66	P
4	2412.00	-2.10	118.65	116.55	200.00	-83.45	Peak	204	66	P
5	4824.00	6.94	30.32	37.26	54.00	-16.74	Average	346	324	P
6	4824.00	6.94	42.82	49.76	74.00	-24.24	Peak	346	324	P

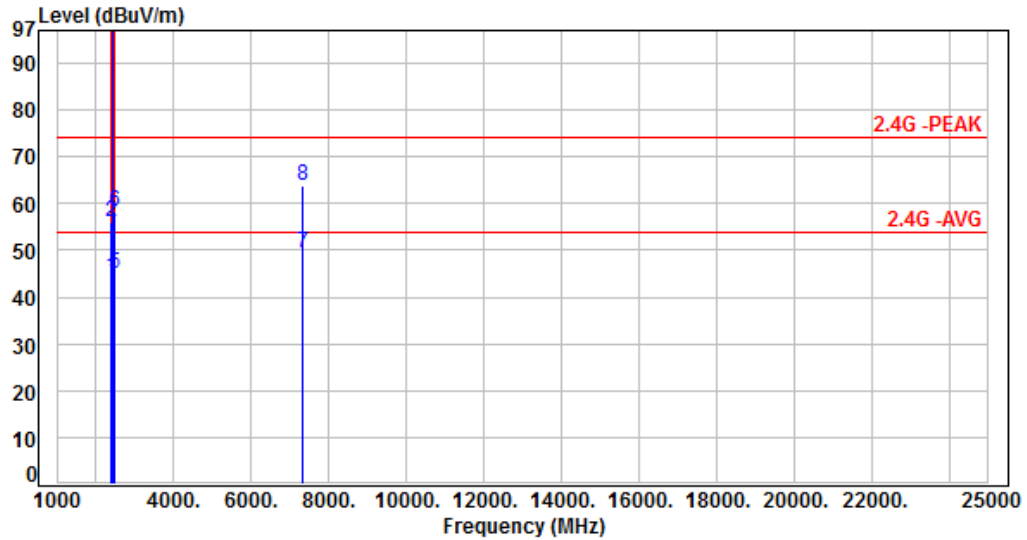
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, 11g 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	-2.12	46.38	44.26	54.00	-9.74	Average	100	347	P
2	2390.00	-2.12	58.16	56.04	74.00	-17.96	Peak	100	347	P
3	2437.00	-2.07	106.80	104.73	200.00	-95.27	Average	100	347	P
4	2437.00	-2.07	116.67	114.60	200.00	-85.40	Peak	100	347	P
5	2483.50	-1.98	46.97	44.99	54.00	-9.01	Average	100	347	P
6	2483.50	-1.98	60.27	58.29	74.00	-15.71	Peak	100	347	P
7	7311.00	12.28	37.10	49.38	54.00	-4.62	Average	313	359	P
8	7311.00	12.28	51.69	63.97	74.00	-10.03	Peak	313	359	P

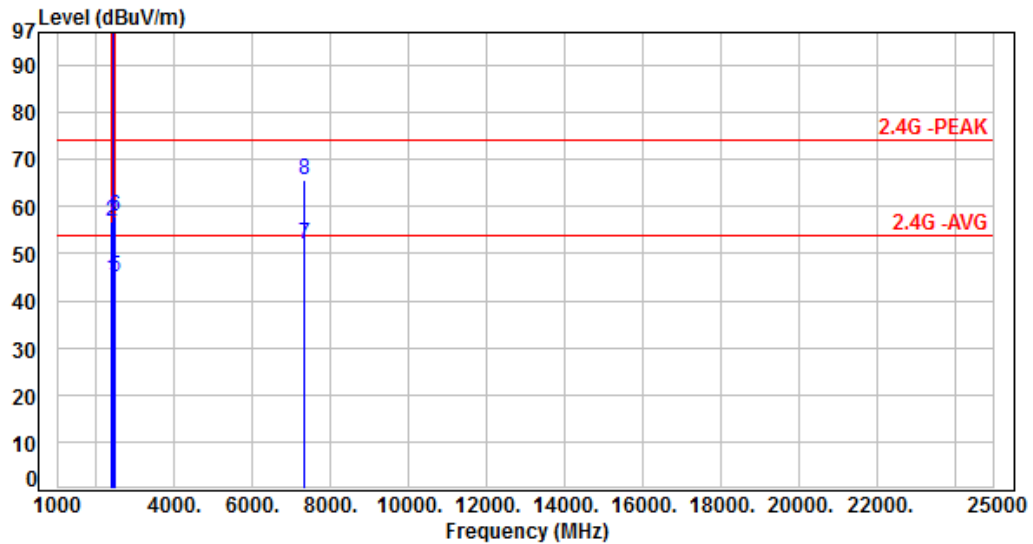
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, 11g 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	-2.12	46.61	44.49	54.00	-9.51	Average	100	57	P
2	2390.00	-2.12	59.01	56.89	74.00	-17.11	Peak	100	57	P
3	2437.00	-2.07	107.99	105.92	200.00	-94.08	Average	100	57	P
4	2437.00	-2.07	117.64	115.57	200.00	-84.43	Peak	100	57	P
5	2483.50	-1.98	47.13	45.15	54.00	-8.85	Average	100	57	P
6	2483.50	-1.98	59.72	57.74	74.00	-16.26	Peak	100	57	P
7	7311.00	12.28	39.78	52.06	54.00	-1.94	Average	149	12	P
8	7311.00	12.28	53.27	65.55	74.00	-8.45	Peak	149	12	P

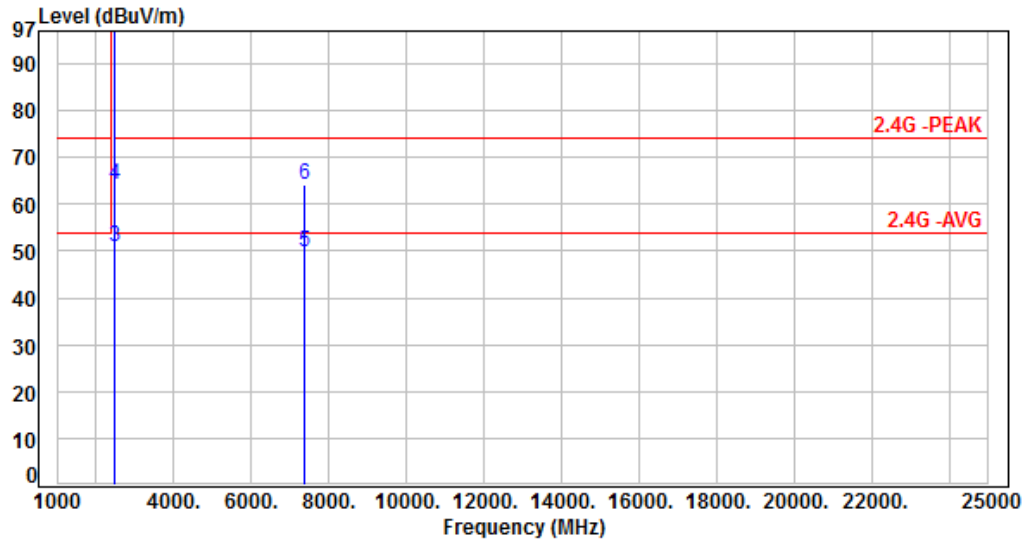
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, 11g CH11		:

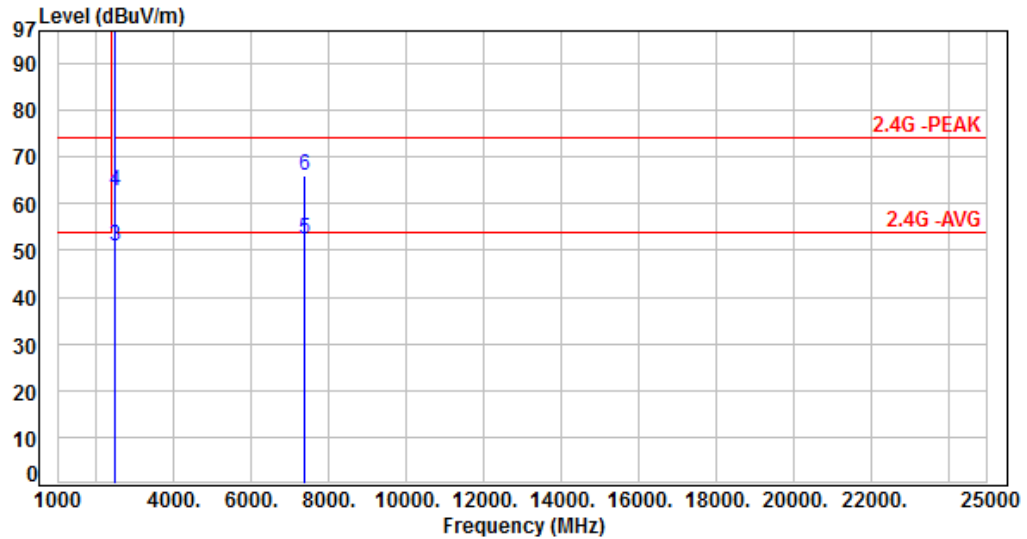


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.02	106.57	104.55	200.00	-95.45	Average	124	355	P
2	2462.00	-2.02	116.02	114.00	200.00	-86.00	Peak	124	355	P
3	2483.50	-1.98	52.88	50.90	54.00	-3.10	Average	124	355	P
4	2483.50	-1.98	66.26	64.28	74.00	-9.72	Peak	124	355	P
5	7386.00	12.39	37.23	49.62	54.00	-4.38	Average	100	360	P
6	7386.00	12.39	51.62	64.01	74.00	-9.99	Peak	100	360	P

Note: Level=Reading+Factor
Margin=Level-Limit
Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, 11g CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.02	107.54	105.52	200.00	-94.48	Average	280	55	P
2	2462.00	-2.02	116.89	114.87	200.00	-85.13	Peak	280	55	P
3	2483.50	-1.98	52.76	50.78	54.00	-3.22	Average	280	55	P
4	2483.50	-1.98	64.53	62.55	74.00	-11.45	Peak	280	55	P
5	7386.00	12.39	39.99	52.38	54.00	-1.62	Average	151	15	P
6	7386.00	12.39	53.50	65.89	74.00	-8.11	Peak	151	15	P

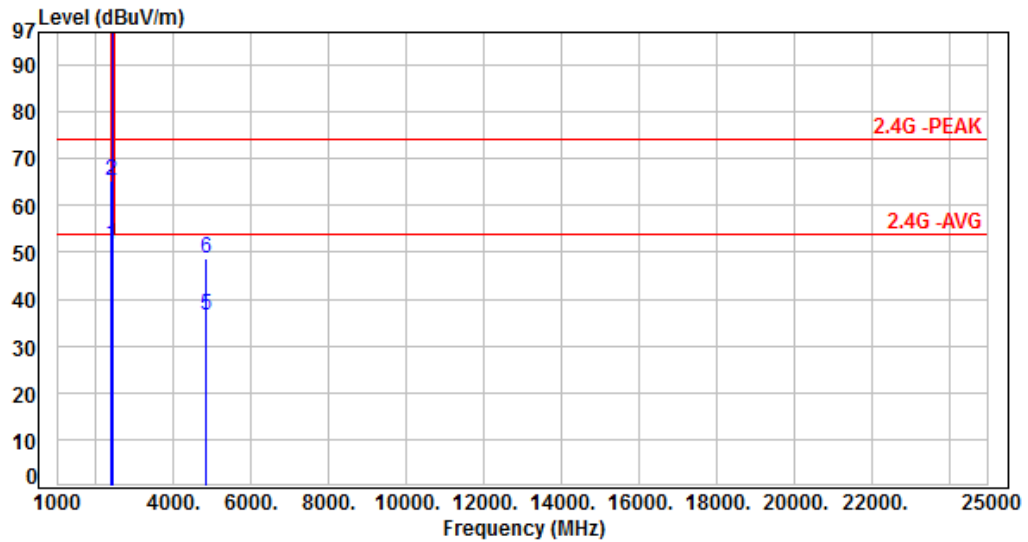
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, 11ax HE20 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	-2.12	53.67	51.55	54.00	-2.45	Average	158	355	P
2	2390.00	-2.12	67.23	65.11	74.00	-8.89	Peak	158	355	P
3	2412.00	-2.10	105.94	103.84	200.00	-96.16	Average	158	355	P
4	2412.00	-2.10	120.41	118.31	200.00	-81.69	Peak	158	355	P
5	4824.00	6.94	29.42	36.36	54.00	-17.64	Average	100	318	P
6	4824.00	6.94	41.84	48.78	74.00	-25.22	Peak	100	318	P

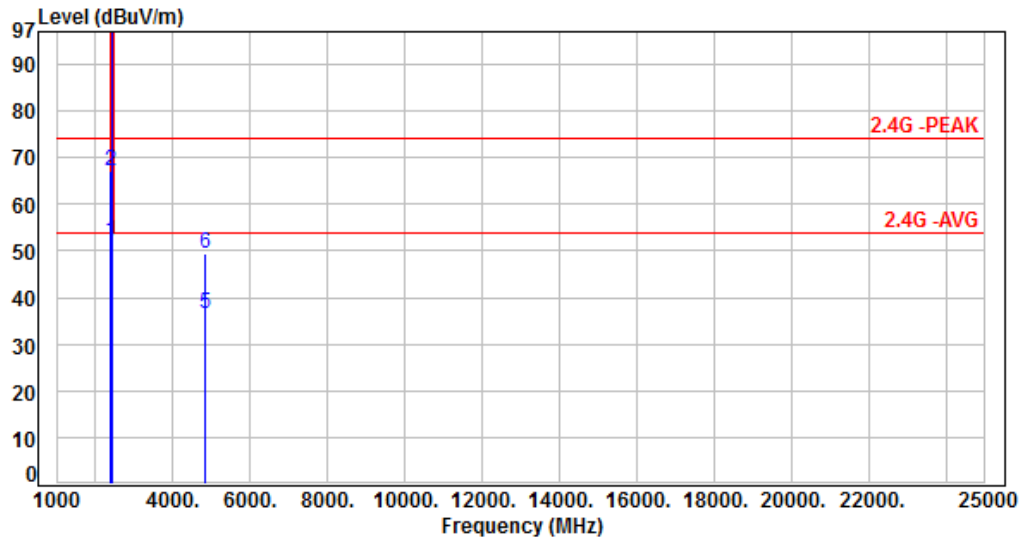
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, 11ax HE20 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	-2.12	54.27	52.15	54.00	-1.85	Average	202	69	P
2	2390.00	-2.12	69.09	66.97	74.00	-7.03	Peak	202	69	P
3	2412.00	-2.10	107.79	105.69	200.00	-94.31	Average	202	69	P
4	2412.00	-2.10	121.31	119.21	200.00	-80.79	Peak	202	69	P
5	4824.00	6.94	29.73	36.67	54.00	-17.33	Average	100	328	P
6	4824.00	6.94	42.35	49.29	74.00	-24.71	Peak	100	328	P

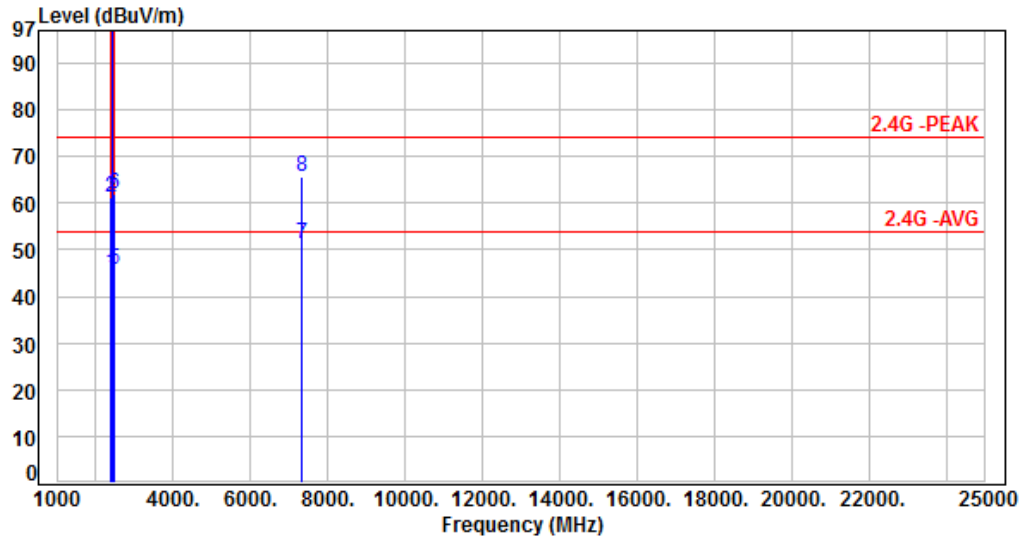
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, 11ax HE20 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	-2.12	47.26	45.14	54.00	-8.86	Average	155	360	P
2	2390.00	-2.12	63.33	61.21	74.00	-12.79	Peak	155	360	P
3	2437.00	-2.07	106.66	104.59	200.00	-95.41	Average	155	360	P
4	2437.00	-2.07	120.45	118.38	200.00	-81.62	Peak	155	360	P
5	2483.50	-1.98	47.81	45.83	54.00	-8.17	Average	155	360	P
6	2483.50	-1.98	64.04	62.06	74.00	-11.94	Peak	155	360	P
7	7311.00	12.28	38.97	51.25	54.00	-2.75	Average	149	360	P
8	7311.00	12.28	53.36	65.64	74.00	-8.36	Peak	149	360	P

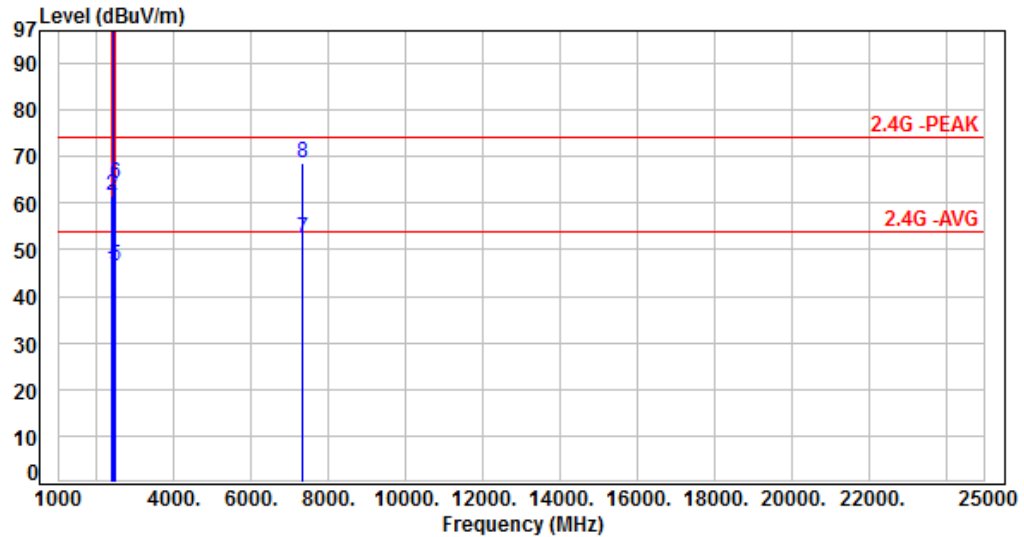
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, 11ax HE20 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	-2.12	47.93	45.81	54.00	-8.19	Average	226	68	P
2	2390.00	-2.12	63.67	61.55	74.00	-12.45	Peak	226	68	P
3	2437.00	-2.07	108.65	106.58	200.00	-93.42	Average	226	68	P
4	2437.00	-2.07	121.75	119.68	200.00	-80.32	Peak	226	68	P
5	2483.50	-1.98	48.59	46.61	54.00	-7.39	Average	226	68	P
6	2483.50	-1.98	66.20	64.22	74.00	-9.78	Peak	226	68	P
7	7311.00	12.28	40.01	52.29	54.00	-1.71	Average	156	15	P
8	7311.00	12.28	56.43	68.71	74.00	-5.29	Peak	156	15	P

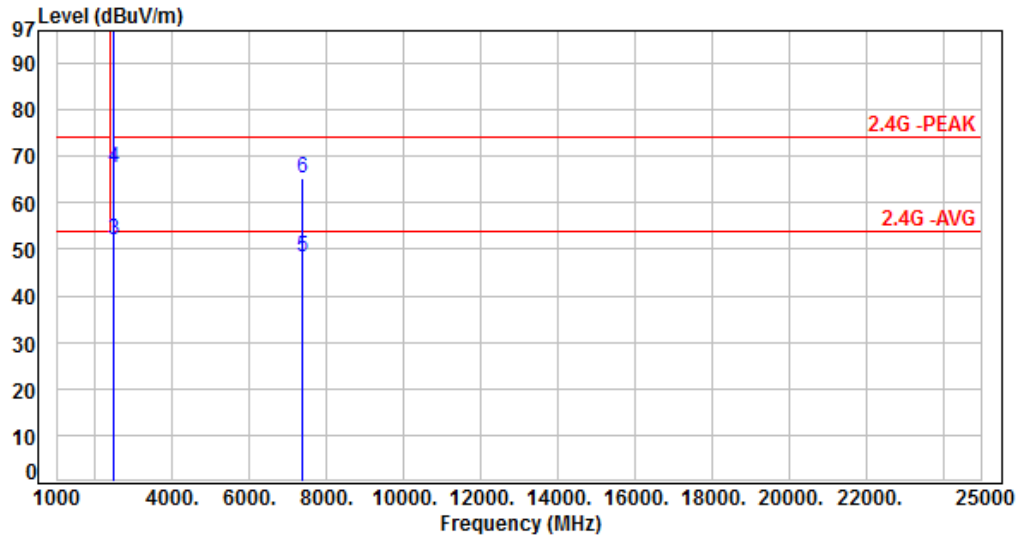
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 5, 11ax HE20 CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.02	105.73	103.71	200.00	-96.29	Average	126	342	P
2	2462.00	-2.02	119.65	117.63	200.00	-82.37	Peak	126	342	P
3	2483.50	-1.98	54.04	52.06	54.00	-1.94	Average	126	342	P
4	2483.50	-1.98	69.66	67.68	74.00	-6.32	Peak	126	342	P
5	7386.00	12.39	36.08	48.47	54.00	-5.53	Average	100	2	P
6	7386.00	12.39	52.91	65.30	74.00	-8.70	Peak	100	2	P

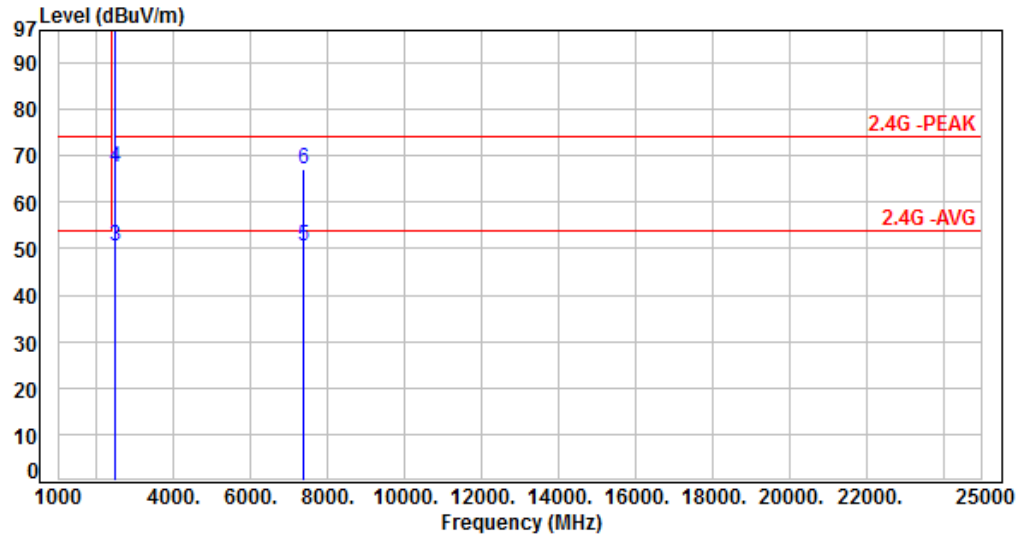
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 5, 11ax HE20 CH11		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.02	106.84	104.82	200.00	-95.18	Average	102	51	P
2	2462.00	-2.02	120.34	118.32	200.00	-81.68	Peak	102	51	P
3	2483.50	-1.98	52.57	50.59	54.00	-3.41	Average	102	51	P
4	2483.50	-1.98	69.55	67.57	74.00	-6.43	Peak	102	51	P
5	7386.00	12.39	38.32	50.71	54.00	-3.29	Average	168	13	P
6	7386.00	12.39	54.82	67.21	74.00	-6.79	Peak	168	13	P

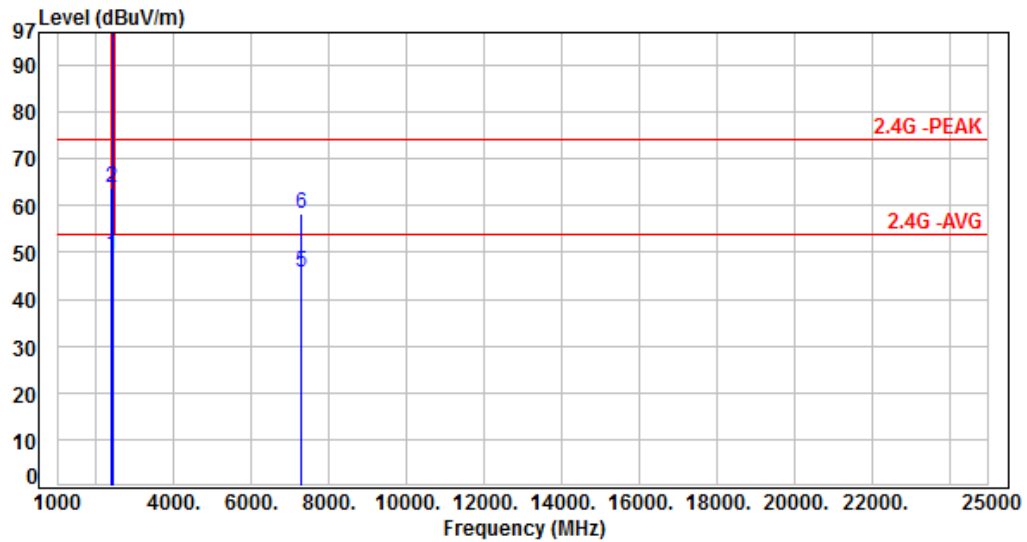
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, 11ax HE40 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	-2.12	51.45	49.33	54.00	-4.67	Average	111	353	P
2	2390.00	-2.12	66.04	63.92	74.00	-10.08	Peak	111	353	P
3	2422.00	-2.08	101.61	99.53	200.00	-100.47	Average	111	353	P
4	2422.00	-2.08	114.72	112.64	200.00	-87.36	Peak	111	353	P
5	7266.00	12.17	33.52	45.69	54.00	-8.31	Average	389	355	P
6	7266.00	12.17	46.27	58.44	74.00	-15.56	Peak	389	355	P

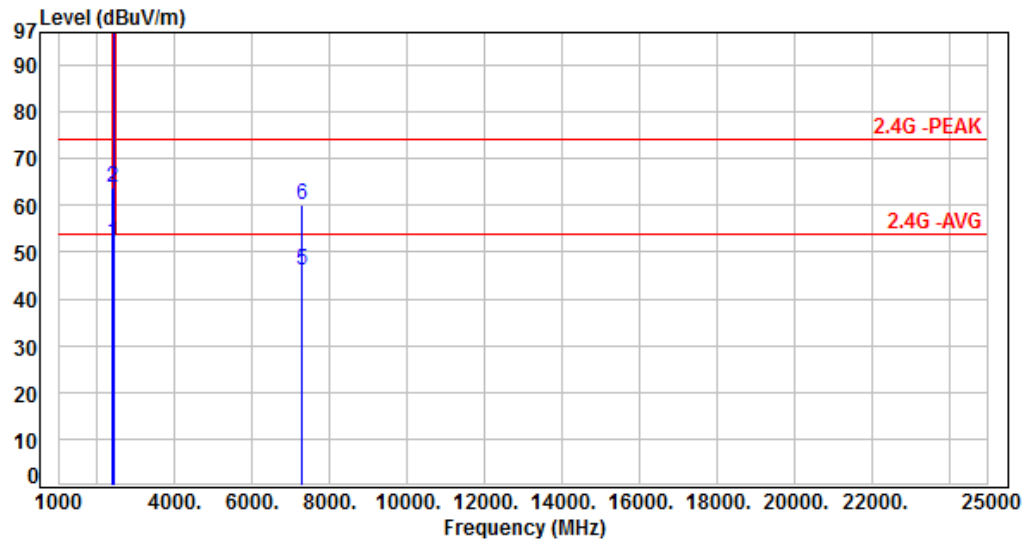
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, 11ax HE40 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	-2.12	54.31	52.19	54.00	-1.81	Average	253	54	P
2	2390.00	-2.12	66.07	63.95	74.00	-10.05	Peak	253	54	P
3	2422.00	-2.08	103.13	101.05	200.00	-98.95	Average	253	54	P
4	2422.00	-2.08	114.90	112.82	200.00	-87.18	Peak	253	54	P
5	7266.00	12.17	34.09	46.26	54.00	-7.74	Average	235	298	P
6	7266.00	12.17	47.96	60.13	74.00	-13.87	Peak	235	298	P

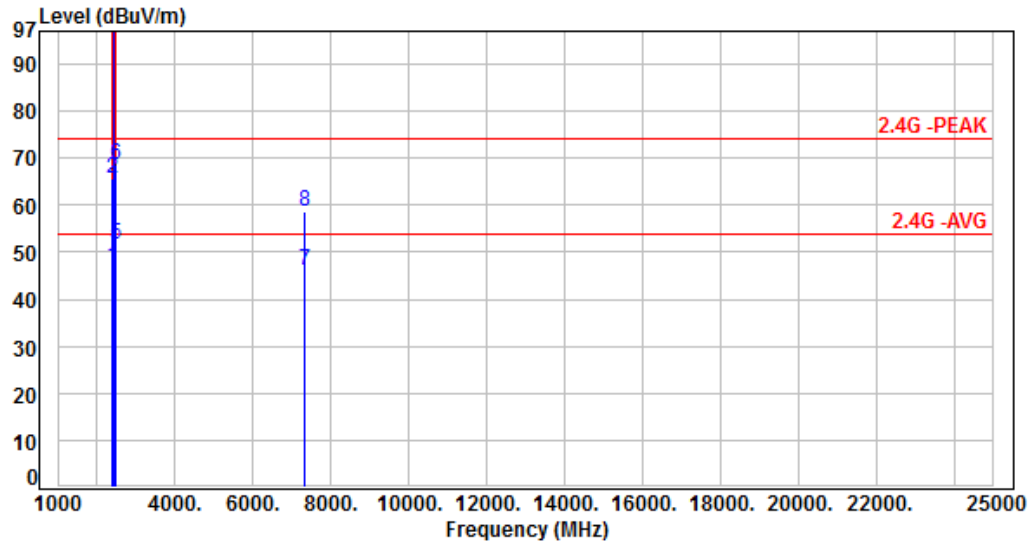
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, 11ax HE40 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	-2.12	48.86	46.74	54.00	-7.26	Average	206	344	P
2	2390.00	-2.12	67.60	65.48	74.00	-8.52	Peak	206	344	P
3	2437.00	-2.07	101.93	99.86	200.00	-100.14	Average	206	344	P
4	2437.00	-2.07	115.36	113.29	200.00	-86.71	Peak	206	344	P
5	2483.50	-1.98	53.79	51.81	54.00	-2.19	Average	206	344	P
6	2483.50	-1.98	70.69	68.71	74.00	-5.29	Peak	206	344	P
7	7311.00	12.28	33.81	46.09	54.00	-7.91	Average	100	8	P
8	7311.00	12.28	46.28	58.56	74.00	-15.44	Peak	100	8	P

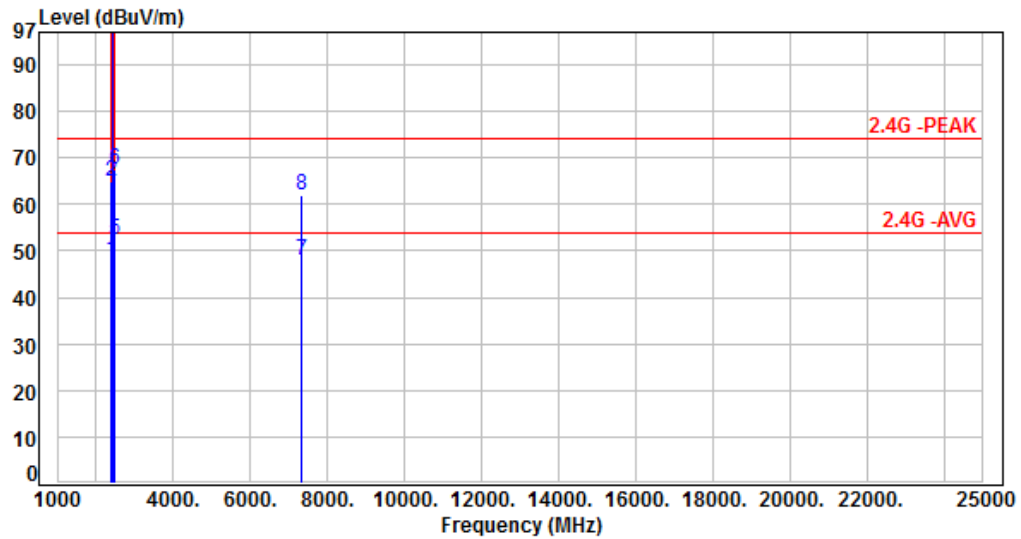
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, 11ax HE40 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	-2.12	49.94	47.82	54.00	-6.18	Average	167	49	P
2	2390.00	-2.12	67.15	65.03	74.00	-8.97	Peak	167	49	P
3	2437.00	-2.07	103.45	101.38	200.00	-98.62	Average	167	49	P
4	2437.00	-2.07	116.23	114.16	200.00	-85.84	Peak	167	49	P
5	2483.50	-1.98	54.22	52.24	54.00	-1.76	Average	167	49	P
6	2483.50	-1.98	69.41	67.43	74.00	-6.57	Peak	167	49	P
7	7311.00	12.28	35.76	48.04	54.00	-5.96	Average	209	16	P
8	7311.00	12.28	49.86	62.14	74.00	-11.86	Peak	209	16	P

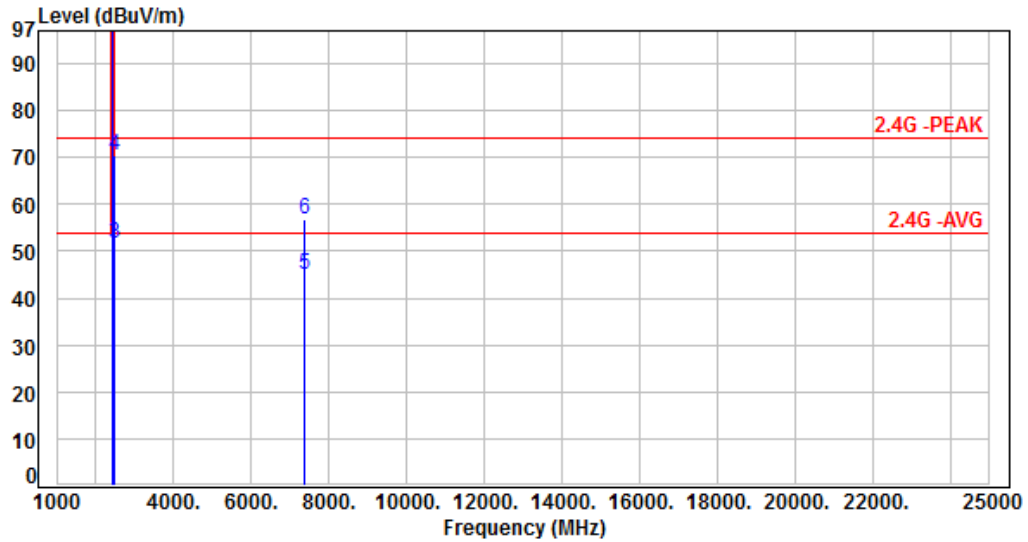
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: VERTICAL
Test Mode	: Mode 6, 11ax HE40 CH09		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2452.00	-2.05	101.53	99.48	200.00	-100.52	Average	152	336	P
2	2452.00	-2.05	114.54	112.49	200.00	-87.51	Peak	152	336	P
3	2483.50	-1.98	53.46	51.48	54.00	-2.52	Average	152	336	P
4	2483.50	-1.98	72.38	70.40	74.00	-3.60	Peak	152	336	P
5	7356.00	12.38	32.71	45.09	54.00	-8.91	Average	134	360	P
6	7356.00	12.38	44.56	56.94	74.00	-17.06	Peak	134	360	P

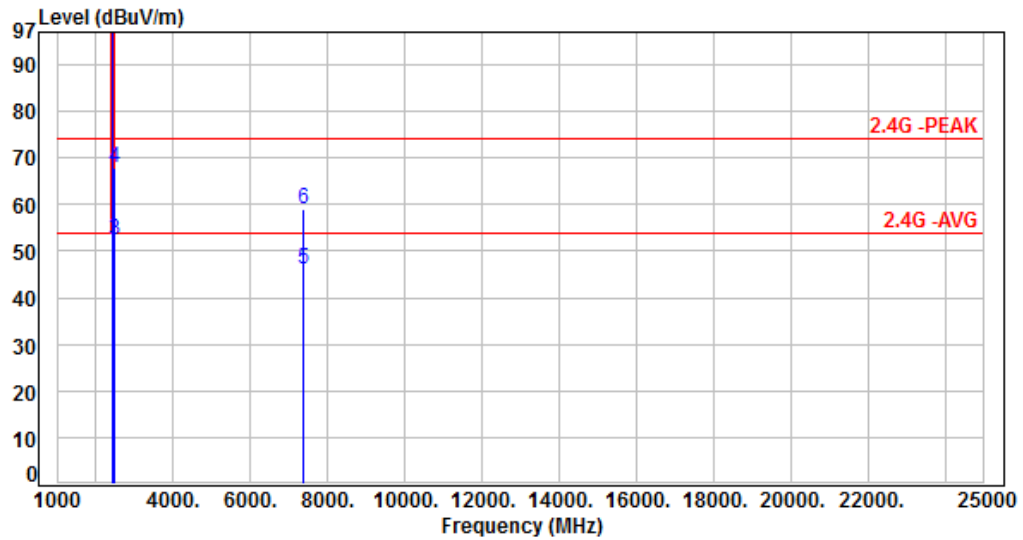
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	: AC 120V / 60Hz from Adapter	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 6, 11ax HE40 CH09		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2452.00	-2.05	102.33	100.28	200.00	-99.72	Average	155	44	P
2	2452.00	-2.05	114.96	112.91	200.00	-87.09	Peak	155	44	P
3	2483.50	-1.98	54.51	52.53	54.00	-1.47	Average	155	44	P
4	2483.50	-1.98	69.95	67.97	74.00	-6.03	Peak	155	44	P
5	7356.00	12.38	33.55	45.93	54.00	-8.07	Average	205	9	P
6	7356.00	12.38	46.59	58.97	74.00	-15.03	Peak	205	9	P

Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



6.7 Restricted Bands of Operation

Only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.09000 – 0.11000	16.42000 – 16.42300	399.9 – 410.0	4.500 – 5.250
0.49500 – 0.505**	16.69475 – 16.69525	608.0 – 614.0	5.350 – 5.460
2.17350 – 2.19050	16.80425 – 16.80475	960.0 – 1240.0	7.250 – 7.750
4.12500 – 4.12800	25.50000 – 25.67000	1300.0 – 1427.0	8.025 – 8.500
4.17725 – 4.17775	37.50000 – 38.25000	1435.0 – 1626.5	9.000 – 9.200
4.20725 – 4.20775	73.00000 – 74.60000	1645.5 – 1646.5	9.300 – 9.500
6.21500 – 6.21800	74.80000 – 75.20000	1660.0 – 1710.0	10.600 – 12.700
6.26775 – 6.26825	108.00000 – 121.94000	1718.8 – 1722.2	13.250 – 13.400
6.31175 – 6.31225	123.00000 – 138.00000	2200.0 – 2300.0	14.470 – 14.500
8.29100 – 8.29400	149.90000 – 150.05000	2310.0 – 2390.0	15.350 – 16.200
8.36200 – 8.36600	156.52475 – 156.52525	2483.5 – 2500.0	17.700 – 21.400
8.37625 – 8.38675	156.70000 – 156.90000	2655.0 – 2900.0	22.010 – 23.120
8.41425 – 8.41475	162.01250 – 167.17000	3260.0 – 3267.0	23.600 – 24.000
12.29000 – 12.29300	167.72000 – 173.20000	3332.0 – 3339.0	31.200 – 31.800
12.51975 – 12.52025	240.00000 – 285.00000	3345.8 – 3358.0	36.430 – 36.500
12.57675 – 12.57725	322.00000 – 335.40000	3600.0 – 4400.0	Above 38.6
13.36000 – 13.41000			

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



7. Test of Conducted Spurious Emission

7.1 Test Limit

According to the methods defined in ANSI C63.10-2013 Section 11.11.1

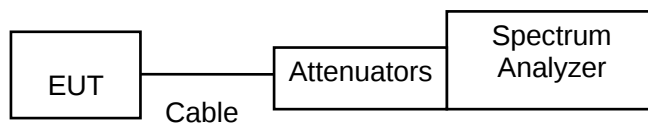
Below -30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.11.2 & 11.11.3

- The transmitter output was connected to the spectrum analyzer via a low loss cable.
- Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- Peak conducted output power measured within any 100 kHz outside the authorized frequency band shall be attenuated by at least 30dB relative to the maximum measured in-band peak PSD level.
- The band edges was measured and recorded.

7.3 Test Setup Layout

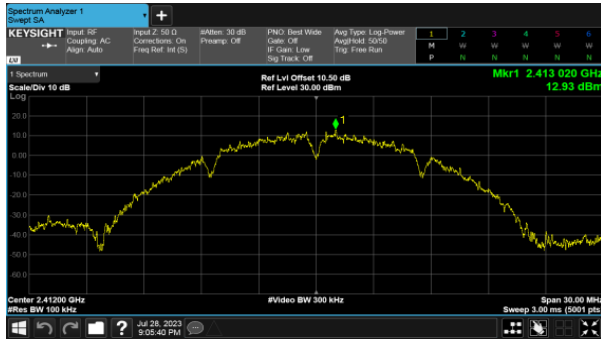


7.4 Test Result and Data

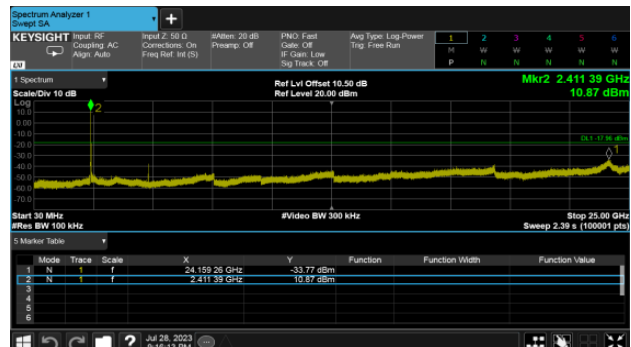
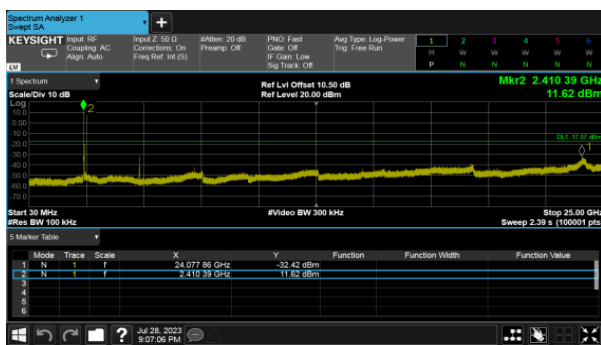
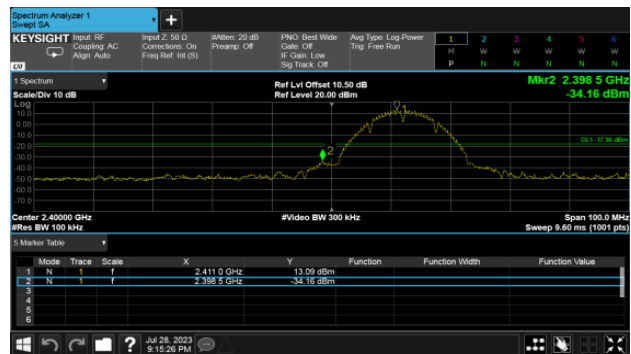
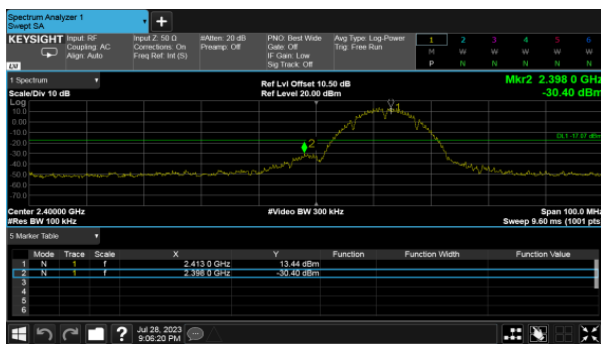
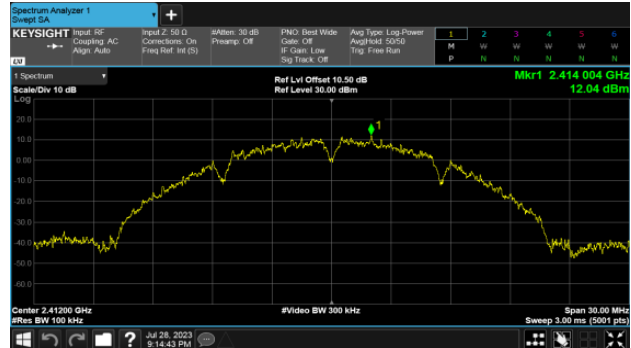
Note: Test plots refers to the following pages.



Modulation Type: 802.11b CH01
ANT A

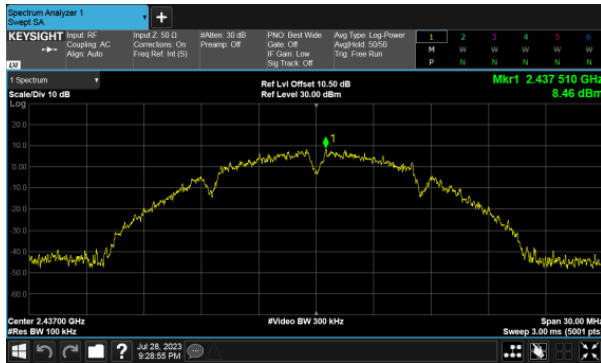


ANT B

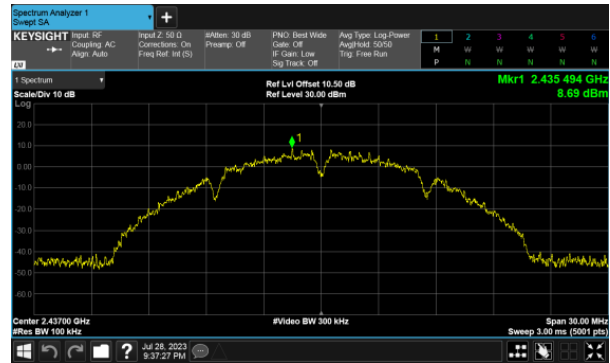




Modulation Type: 802.11b CH06
ANT A

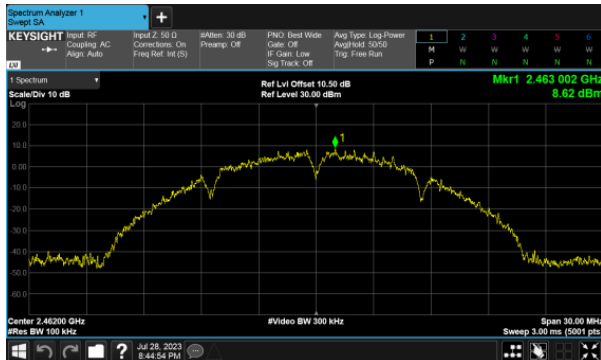


ANT B

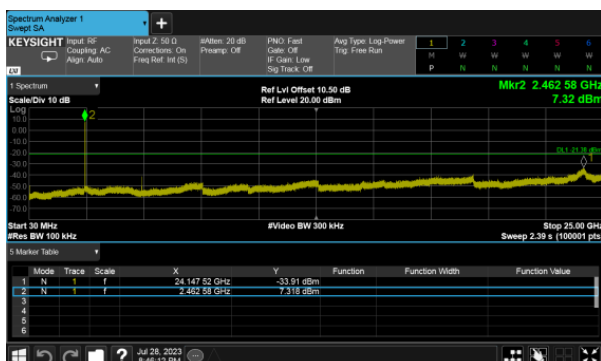
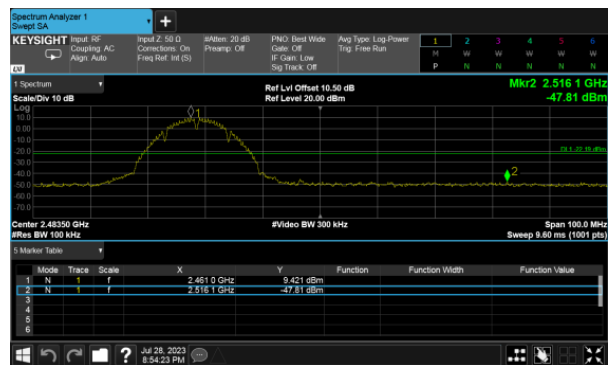
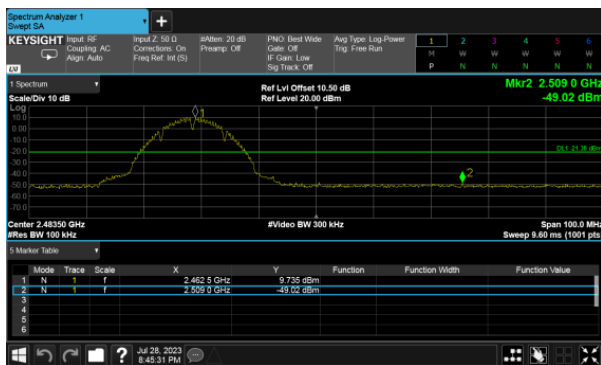
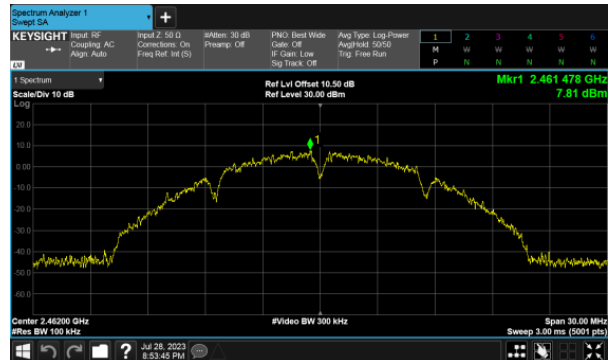




Modulation Type: 802.11b CH11
ANT A

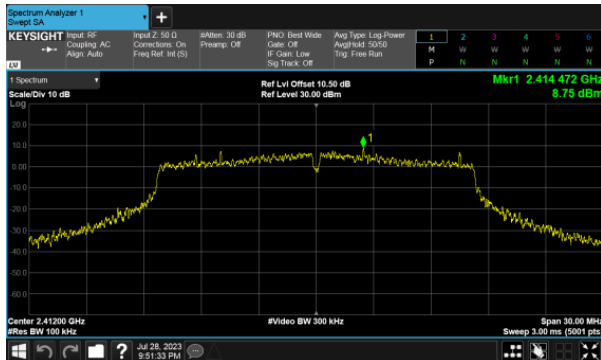


ANT B

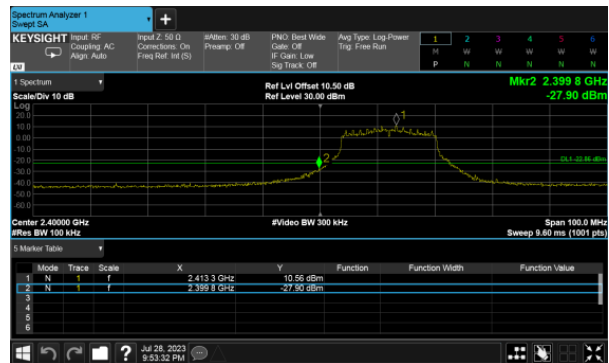
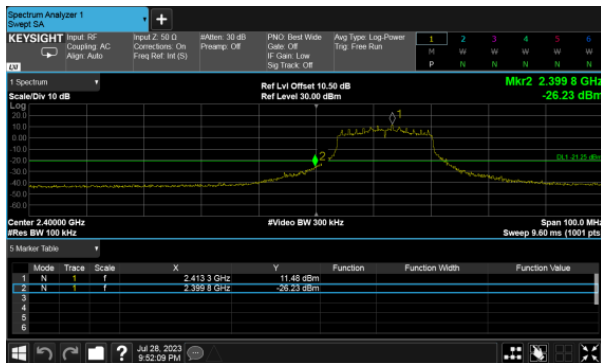
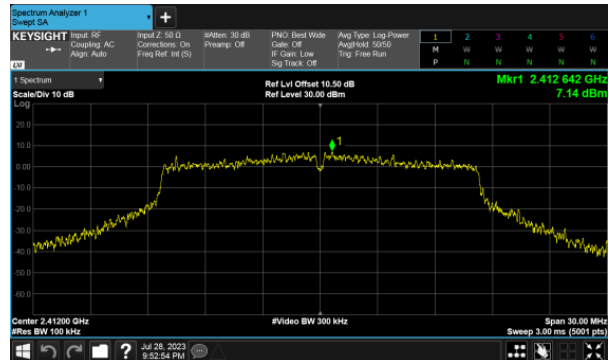




Modulation Type: 802.11g CH01
ANT A

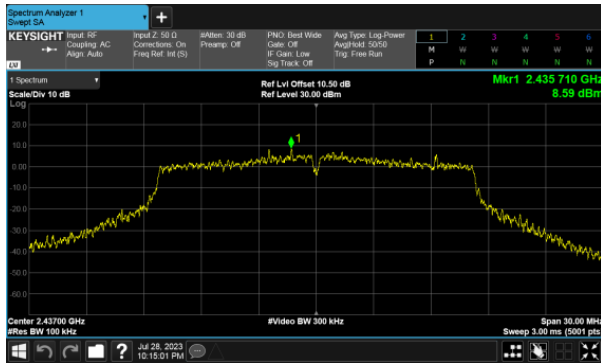


ANT B

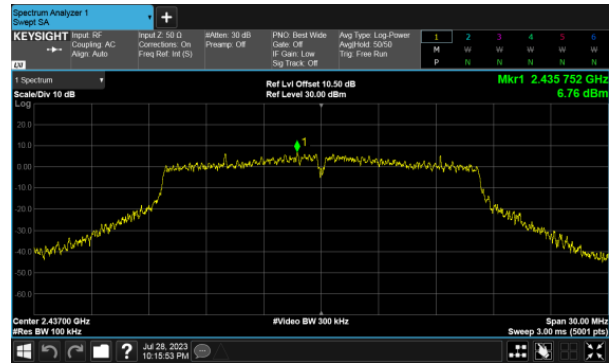




Modulation Type: 802.11g CH06
ANT A

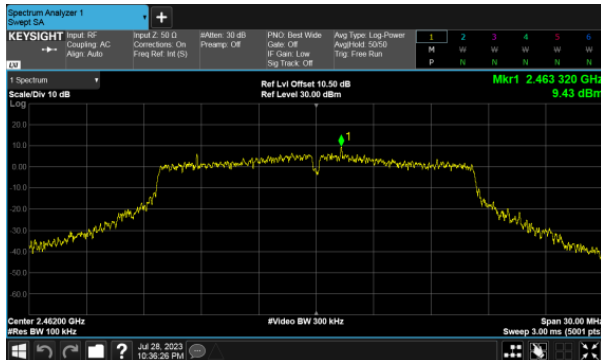


ANT B

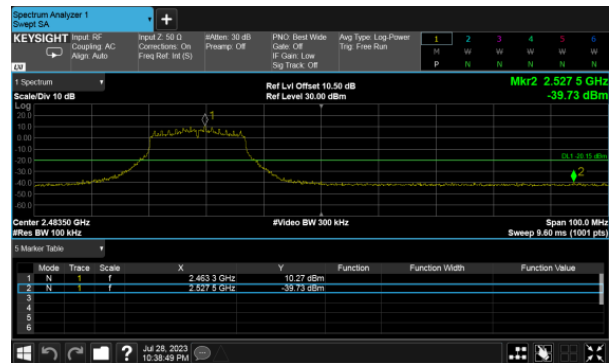
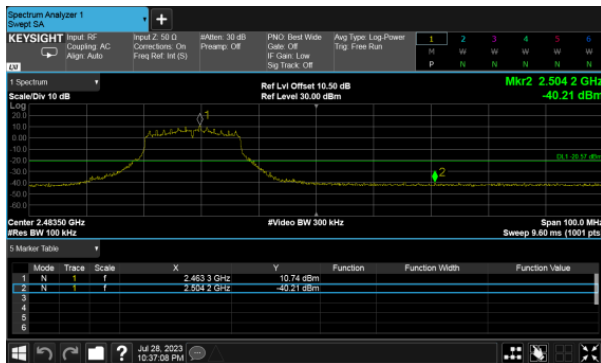
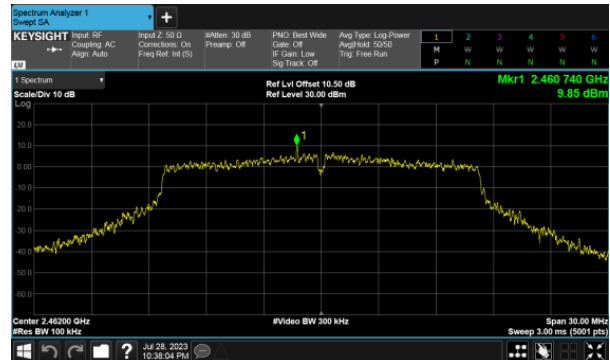




Modulation Type: 802.11g CH11
ANT A

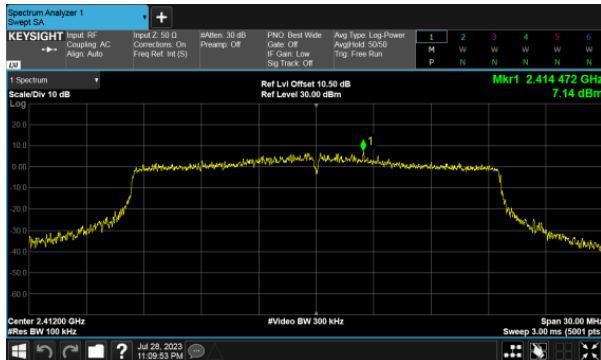


ANT B

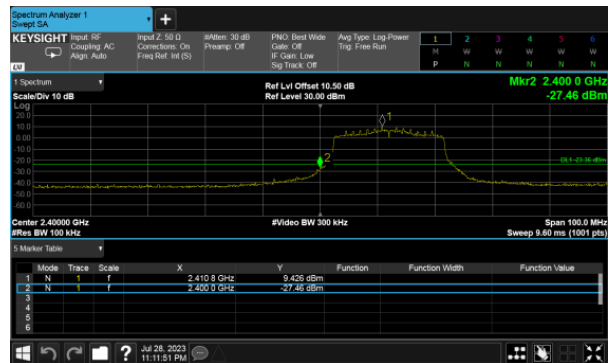
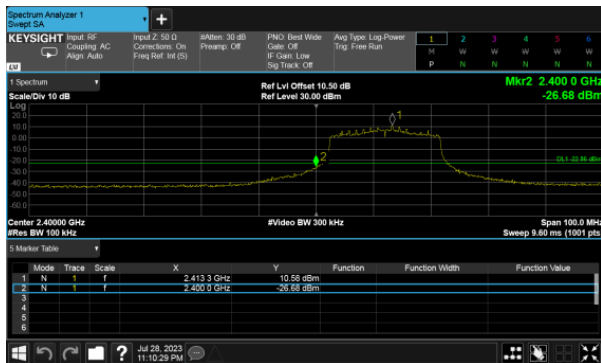
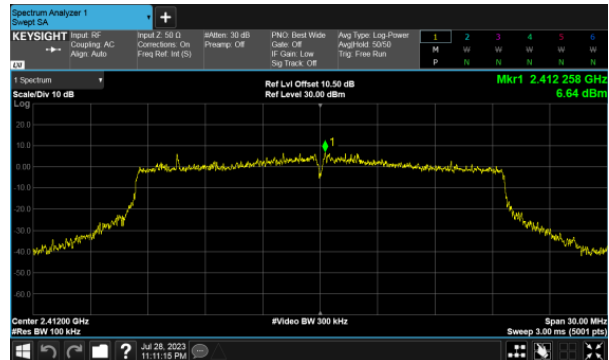




Modulation Type: 802.11ax HE20 CH01
ANT A

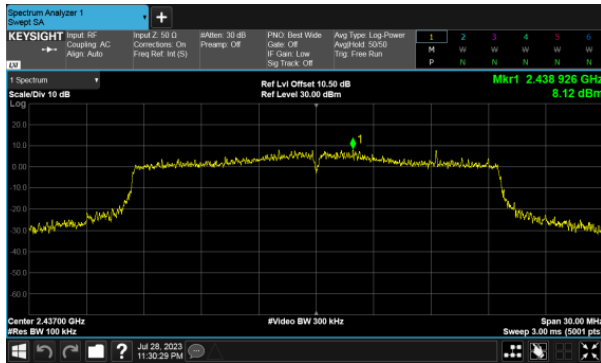


ANT B

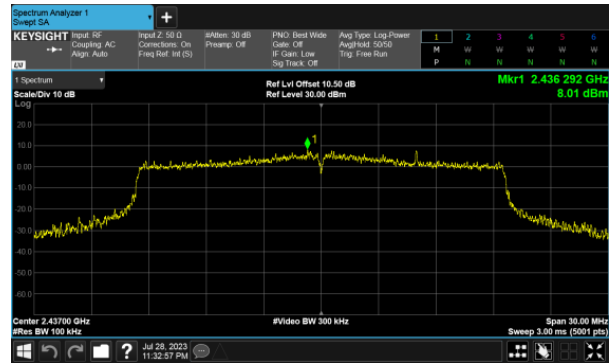




Modulation Type: 802.11ax HE20 CH06
ANT A

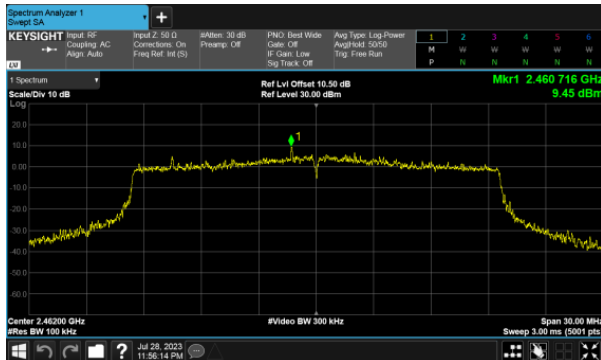


ANT B

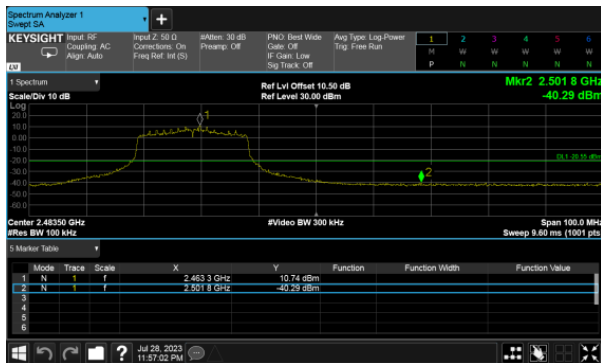
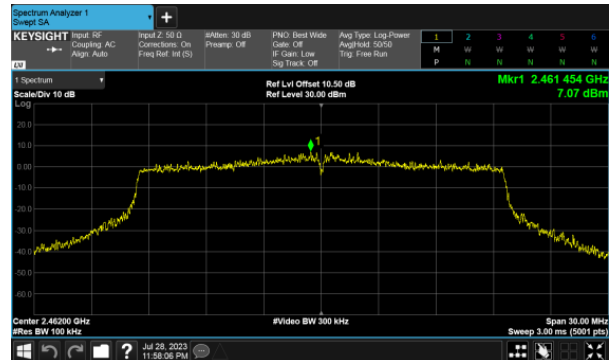




Modulation Type: 802.11ax HE20 CH11
ANT A

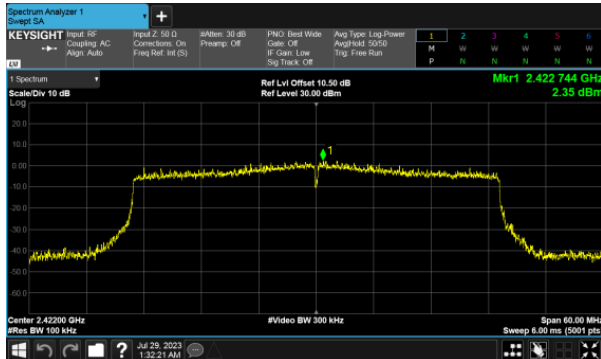


ANT B

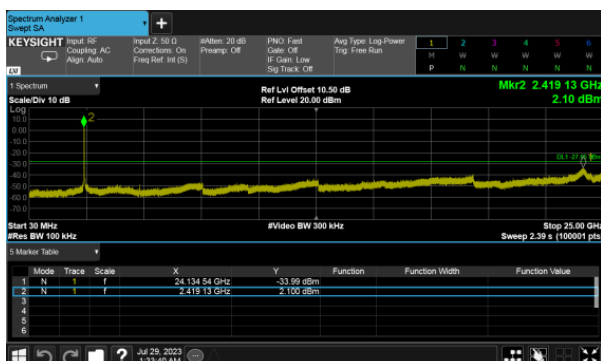
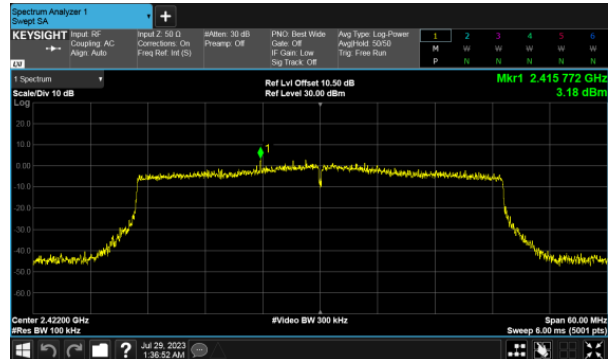




Modulation Type: 802.11ax HE40 CH03
ANT A

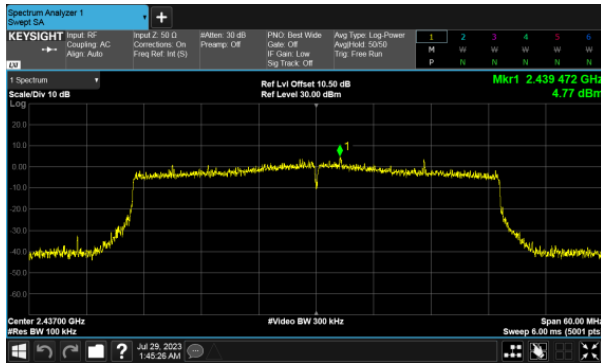


ANT B

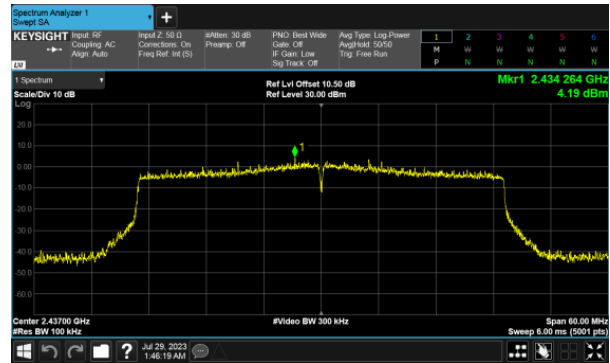




Modulation Type: 802.11ax HE40 CH06
ANT A

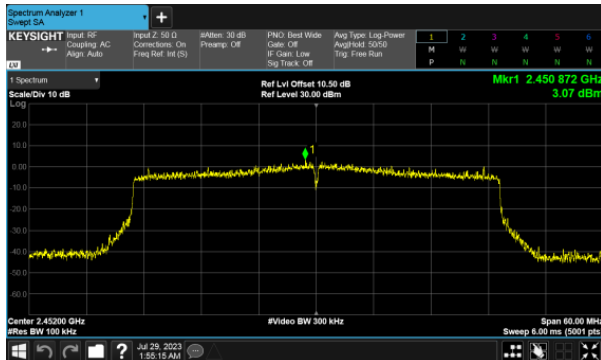


ANT B





Modulation Type: 802.11ax HE40 CH09
ANT A



ANT B

