



FCC RADIO TEST REPORT

Applicant : Premier Image Technology(China) Ltd.

Address : No.32,East Chang Hong Road,Chancheng
District,Foshan,Guang Dong,China

Equipment : Wireless Module

Model No. : SKI.WB800D.3

Trade Name : N/A

FCC ID : 2A7WHSKIWB800D3

I HEREBY CERTIFY THAT :

The sample was received on Jul. 06,2022 and the testing was completed on Jul. 25,2022 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
22070019-TRFCC02	Aug. 06, 2022	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.



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Operation Frequency Range	2.4GHz~2.4835GHz /5.150~5.850GHz
Center Frequency Range	BT / BLE: 2402MHz-2480MHz 802.11b/g/n/ax: 2412MHz-2462MHz 802.11a/n/ac/ax: 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz
Modulation Type	BT: GFSK, $\pi/4$ -DQPSK, 8DPSK BLE: GFSK WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 256QAM 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, FHSS, DTS, OFDMA(for ax)
Data Rate	BT: GFSK: 1Mbps, $\pi/4$ -DQPSK: 2Mbps, 8DPSK: 3Mbps BLE: GFSK: 1Mbps, 2Mbps, 125kbps, 500kbps WLAN: 2.4GHz: 802.11b: 1, 2, 5.5, 11Mbps 802.11g: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20/40 802.11ax: MCS0 – MCS9, HE20/40 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20/40 802.11ac: MCS0 – MCS9, VHT20/40 802.11ax: MCS0 – MCS9, HE20/40
Antenna Type	Dipole Antenna
Antenna Gain.	For BT/BLE: 2400~2500MHz: ANT B:3.19dBi For Wlan 2400~2500MHz: ANT A:3.19dBi 5150MHz - 5850MHz: ANT A:3.09dBi
Working Temperature	0°C to +40°C
Storage Temperature	-40°C to +85°C
Firmware	aicloadfw(ver. 0.55)

Note:

1. EUT support TPC Function.
2. EUT support Client mode without radar detection.
3. The serial number of the EUT is E0276CD253A7.
4. 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, 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, 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.
- The complete test system included remote workstation and EUT for RF test. The remote workstation included Notebook.
- An executive program, "SecureCRT.exe(ver. 6.2.3.313)" under Windows 7 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	Operating Description
1	802.11b (1Mbps), From System (120V/60Hz)
2	802.11g (6Mbps), From System (120V/60Hz)
3	802.11n HT20 (6.5Mbps), From System (120V/60Hz)
4	802.11n HT40 (13.5Mbps), From System (120V/60Hz)
5	802.11ax HE20 (7.3Mbps), From System (120V/60Hz)
6	802.11ax HE40 (14.6Mbps), From System (120V/60Hz)
7	802.11ax HE20 (7.3Mbps), From System (240V/60Hz)
caused "Test Mode 5" generated the worst case, it was reported as the final data.	
Radiation Emissions (Below 1GHz)	
Test Mode	Operating Description
1	802.11b (1Mbps), From System (120V/60Hz)
2	802.11g (6Mbps), From System (120V/60Hz)
3	802.11n HT20 (6.5Mbps), From System (120V/60Hz)
4	802.11n HT40 (13.5Mbps), From System (120V/60Hz)
5	802.11ax HE20 (7.3Mbps), From System (120V/60Hz)
6	802.11ax HE40 (14.6Mbps), From System (120V/60Hz)
caused "Test Mode 5" generated the worst case, it was reported as the final data.	
Radiation Emissions (1GHz ~ 25GHz)	
Test Mode	Operating Description
1	802.11b (1Mbps), From System (120V/60Hz)
2	802.11g (6Mbps), From System (120V/60Hz)
3	802.11n HT20 (6.5Mbps), From System (120V/60Hz)
4	802.11n HT40 (13.5Mbps), From System (120V/60Hz)
5	802.11ax HE20 (7.3Mbps), From System (120V/60Hz)
6	802.11ax HE40 (14.6Mbps), From System (120V/60Hz)
caused "Test Mode 1~6" generated the worst case, they were reported as the final data.	

Modulation Type	TX CONFIGURATION
802.11b	1TX
802.11g	1TX
802.11n HT20	1TX
802.11n HT40	1TX
802.11ax HE20	1TX
802.11ax HE40	1TX



2.4 Description of Test System

AC Power Line Conducted Emission					
Equipment	Brand	Model	Serial No	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	GBNXC13 M064467	N/A	Adapter / 1.8m / NS
testfixture	CVTE	TEST BF Tool. 1	N/A	N/A	N/A
USB Cable	UGREEN	US132	N/A	0.3m / NS	N/A
Radiated Emissions (Below 1G) / Radiated Emissions (Above 1G) / RF Conducted					
Equipment	Brand	Model	Serial No	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	GBNXC13 M064467	N/A	Adapter / 1.8m / NS
testfixture	CVTE	TEST BF Tool. 1	N/A	N/A	N/A
USB Cable	UGREEN	US132	N/A	0.3m / NS	N/A
USB Cable (A to B)	BENEVO	E210567AWM	N/A	1m / NS	N/A
USB Cable (A to B)	BENEVO	BUSB0301AMFB	N/A	0.8m / 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
	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	2022/07/07~2022/07/12	23~24℃ / 51~53%	Dian Chen
Radiated Emissions	3M02-NK	2022/07/18~2022/7/25	24~25℃ / 51~52%	Dian Chen
AC Power Line Conducted Emission	CON01-NK	2022/07/23	23℃ / 51%	Dian Chen



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)	±3.12dB
Radiated Spurious Emission(9KHz~30MHz)	±3.4dB
Radiated Spurious Emission(30MHz~1GHz)	±5.7dB
Radiated Spurious Emission(1GHz~25GHz)	±6.8dB
Conducted Spurious Emission	±1.8dB
6dB Bandwidth	±4.4%
20dB Bandwidth	±4.4%
Occupied Bandwidth	±4.4%
Peak Output Power(Conducted Power Meter)	±1.1dB
Dwell Time / Deactivation Time	±1.2%
Power Spectral Density	±1.8dB
Duty Cycle	±1.2%



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	2021/11/05	2022/11/04
Active Loop Antenna	EMCO	6507	40855	2022/05/25	2023/05/24
Horn Antenna	EMCO	3115	31601	2021/10/14	2022/10/13
Horn Antenna	EMCO	3116	31974	2021/10/04	2022/10/03
EMI Receiver	ROHDE & SCHWARZ	ESR 7	101906	2022/05/17	2023/05/16
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2021/08/06	2022/08/05
Preamplifier	EM Electronics corp.	EM330	60658	2021/10/13	2022/10/12
Preamplifier	Agilent	8449B	3008A01954	2022/03/17	2023/03/16
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2021/11/16	2022/11/15
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2022/03/21	2023/03/20
Cable-0.5m(1G-18G)	EMEC	EM104-SMSM-0.5M	CCE1354	2022/05/26	2023/05/25
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY4569/2	2021/09/03	2022/09/02
Cable-1m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY5739/2	2021/09/03	2022/09/02
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805443/4	2022/01/11	2023/01/10
Cable-3m(1G-40G)	HUBER SUHNER	SUCOFLEX 104	805796/4	2022/01/11	2023/01/10
Cable-8m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2022/04/25	2023/04/24
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2022/03/21	2023/03/20
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
EXA Signal Analyzer	KEYSIGHT	N9010A	MY54200207	2022/4/19	2023/4/18
Attenuator	KEYSIGHT	8491B	MY39250703	2022/4/12	2023/4/11
Cable-0.5m(1G-26.5G)	HUBER SUHNER	SUCOFLEX 102	28422/2	2022/4/9	2023/4/8
Power Meter	Anritsu	ML2495A	1224005	2022/4/12	2023/4/11
Power Sensor	Anritsu	MA2411B	1207295	2022/4/12	2023/4/11
Switch Box	Theda	1-4	TW5451159	NA	NA

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	101200	2021/08/30	2022/08/29
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-516	2021/10/05	2022/10/04
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101933	2021/09/15	2022/09/14
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2021/09/22	2022/09/21
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	Dipole Antenna
Antenna connector type	IPX
Antenna Gain	2400~2500MHz: ANT A:3.19dBi



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

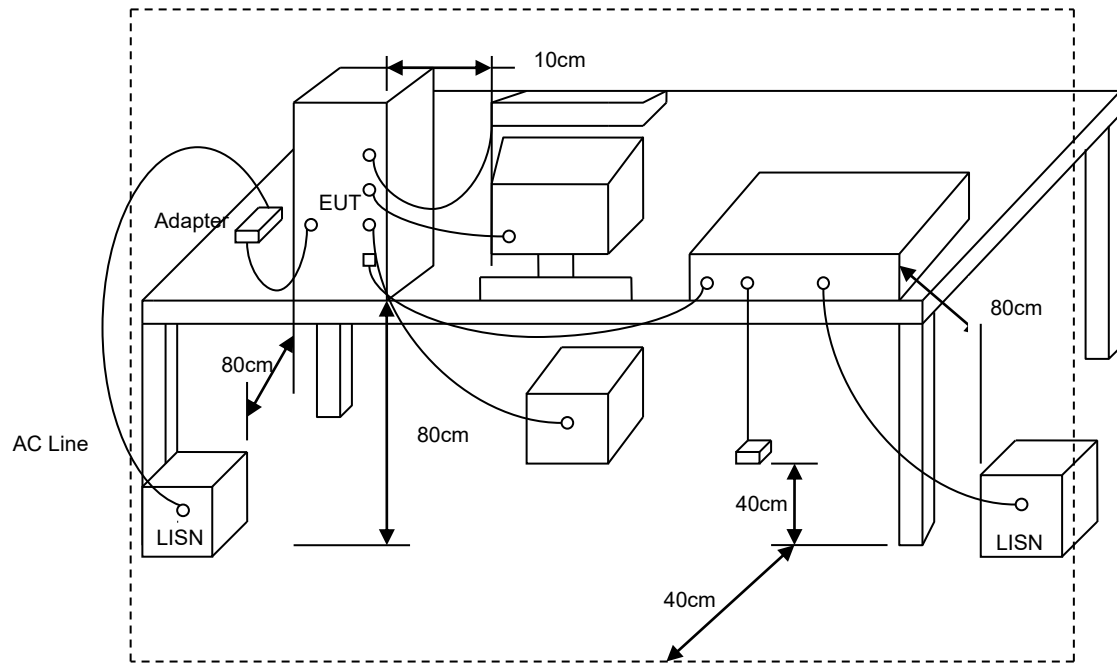
*Decreases with the logarithm of the frequency.

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.



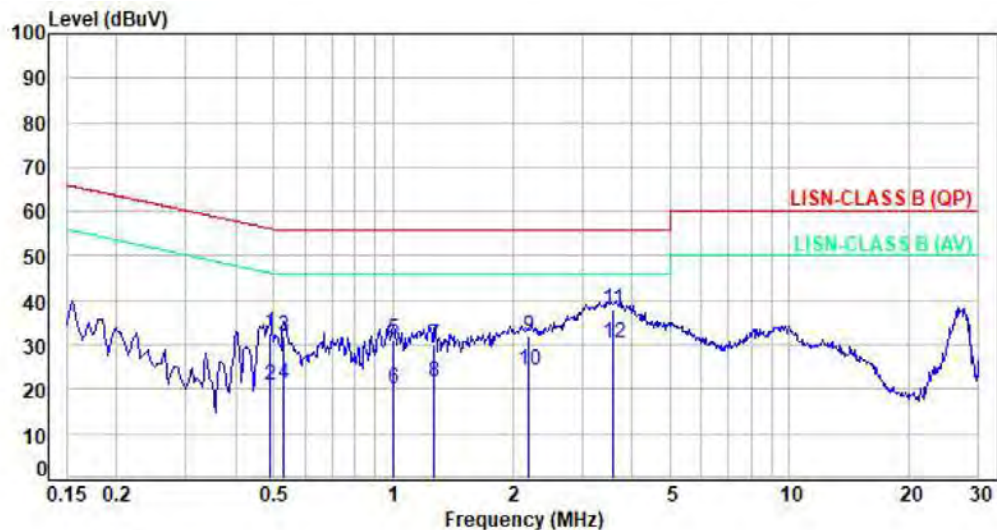
5.3 Typical Test Setup





5.4 Test Result and Data

Power	:	From System (AC120V/60Hz)	Pol/Phase	:	LINE
Test Mode	:	Mode 5		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV)	Limit (dBUV)	Margin (dB)	Detector	P/F
1	0.49	9.96	22.83	32.79	56.17	-23.38	QP	P
2	0.49	9.96	11.00	20.96	46.17	-25.21	Average	P
3	0.53	9.97	21.82	31.79	56.00	-24.21	QP	P
4	0.53	9.97	11.15	21.12	46.00	-24.88	Average	P
5	1.00	10.00	21.25	31.25	56.00	-24.75	QP	P
6	1.00	10.00	9.97	19.97	46.00	-26.03	Average	P
7	1.27	10.02	19.94	29.96	56.00	-26.04	QP	P
8	1.27	10.02	11.57	21.59	46.00	-24.41	Average	P
9	2.20	10.09	21.89	31.98	56.00	-24.02	QP	P
10	2.20	10.09	14.16	24.25	46.00	-21.75	Average	P
11	3.58	10.20	27.72	37.92	56.00	-18.08	QP	P
12	3.58	10.20	20.29	30.49	46.00	-15.51	Average	P

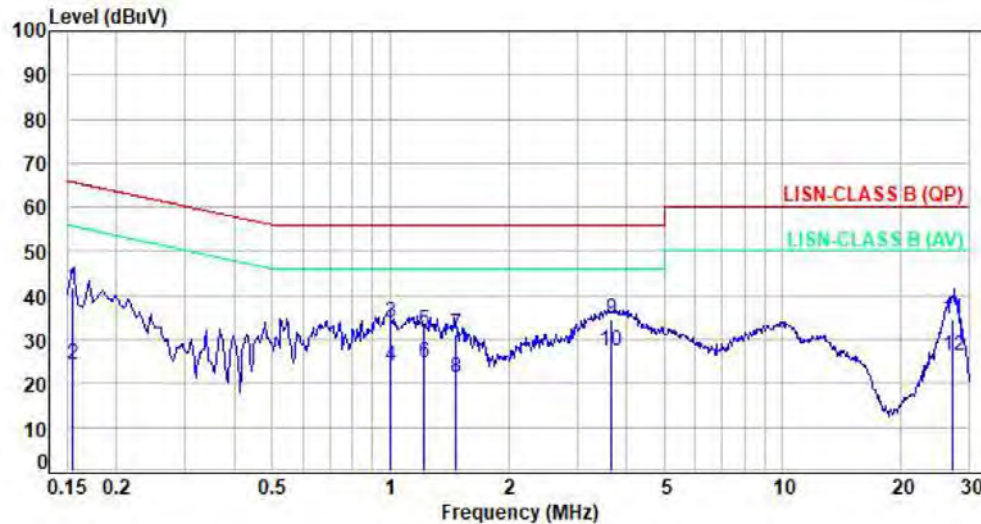
Note: Level=Reading+Factor

Margin=Level-Limit

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



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	NEUTRAL
Test Mode	:	Mode 5		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.94	31.78	41.72	65.77	-24.05	QP	P
2	0.15	9.94	14.57	24.51	55.77	-31.26	Average	P
3	1.00	9.97	23.73	33.70	56.00	-22.30	QP	P
4	1.00	9.97	14.16	24.13	46.00	-21.87	Average	P
5	1.22	9.99	21.85	31.84	56.00	-24.16	QP	P
6	1.22	9.99	14.56	24.55	46.00	-21.45	Average	P
7	1.47	10.01	21.30	31.31	56.00	-24.69	QP	P
8	1.47	10.01	11.40	21.41	46.00	-24.59	Average	P
9	3.64	10.12	24.35	34.47	56.00	-21.53	QP	P
10	3.64	10.12	17.09	27.21	46.00	-18.79	Average	P
11	27.18	10.83	23.77	34.60	60.00	-25.40	QP	P
12	27.18	10.83	15.57	26.40	50.00	-23.60	Average	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.

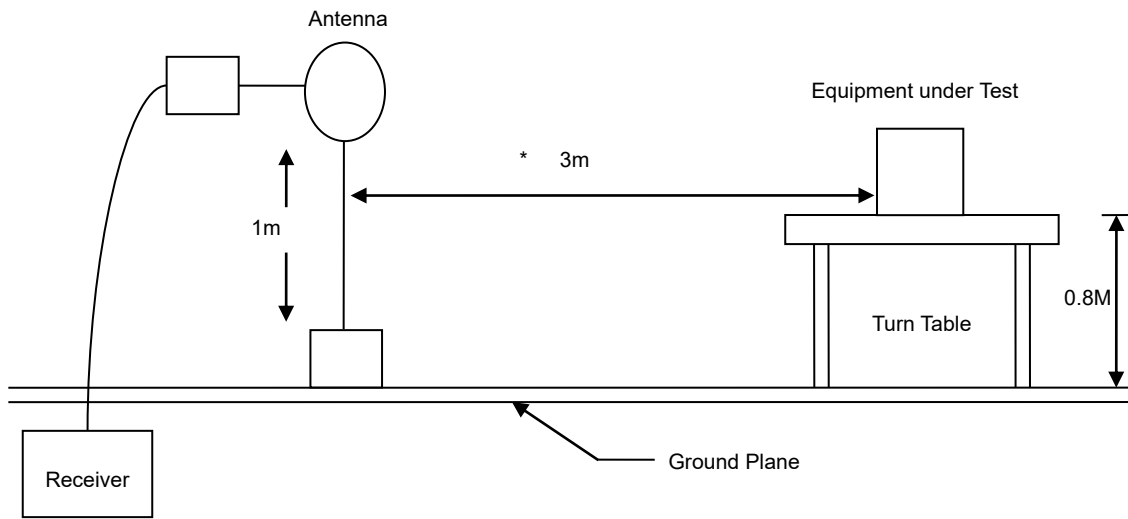
Note:

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.
(X -AXIS is the worst.)

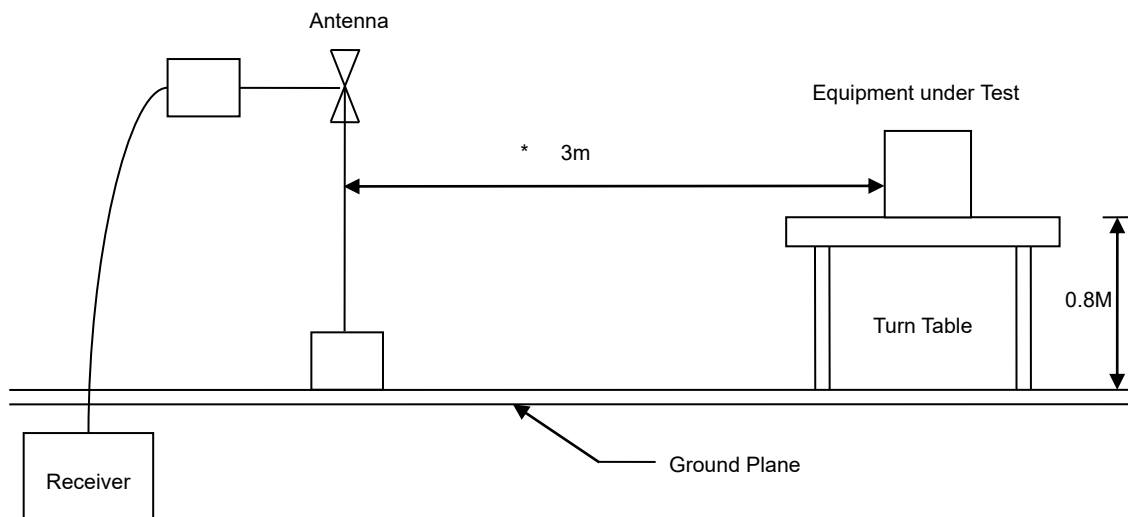


6.3 Typical Test Setup

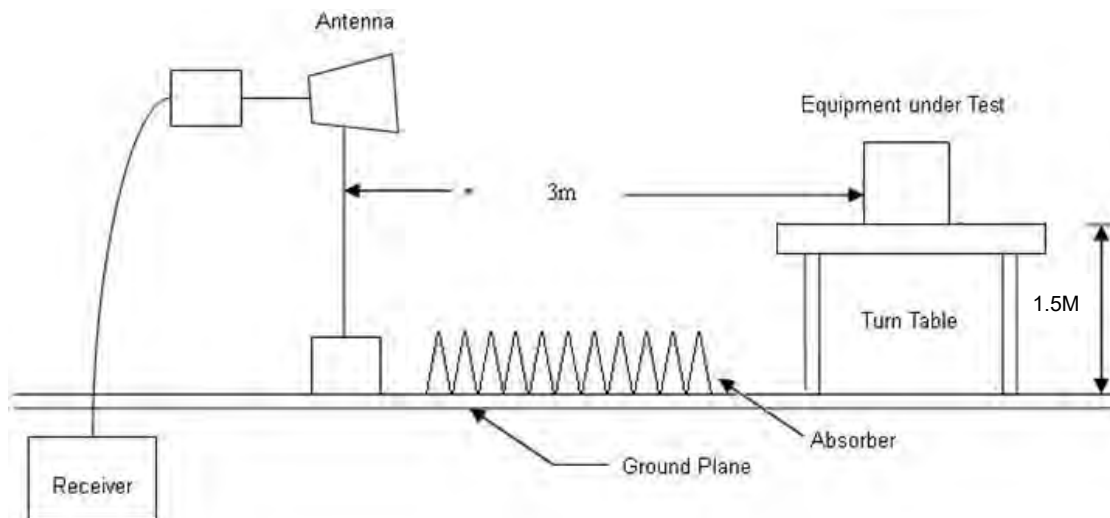
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



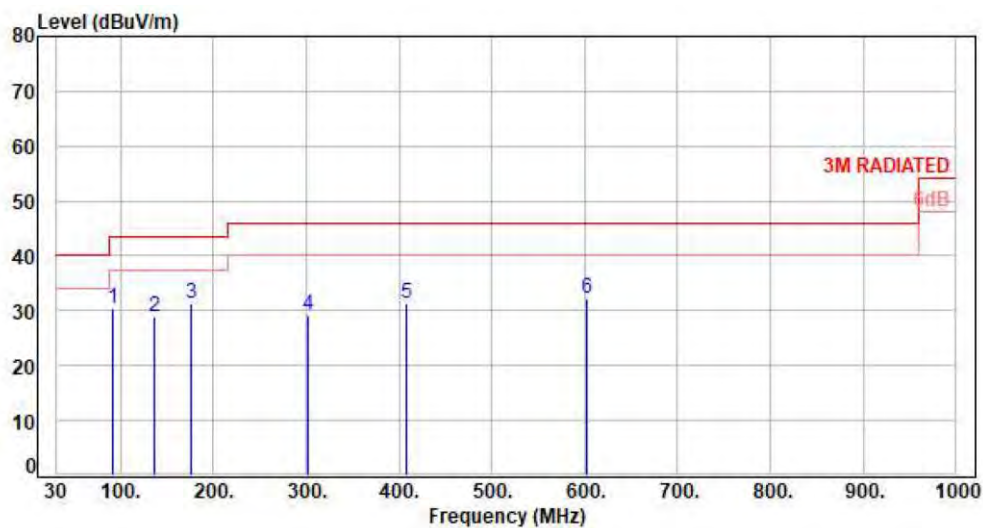


6.4 Test Result and Data (9KHz ~ 30MHz)

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

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

Power	:	From System (AC120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 5		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	92.08	-16.62	47.05	30.43	43.50	-13.07	Peak	100	184	P
2	135.73	-12.44	41.28	28.84	43.50	-14.66	Peak	100	152	P
3	175.50	-12.38	43.57	31.19	43.50	-12.31	Peak	100	214	P
4	301.60	-10.19	39.32	29.13	46.00	-16.87	Peak	100	155	P
5	408.30	-7.40	38.73	31.33	46.00	-14.67	Peak	100	205	P
6	602.30	-2.71	35.04	32.33	46.00	-13.67	Peak	100	104	P

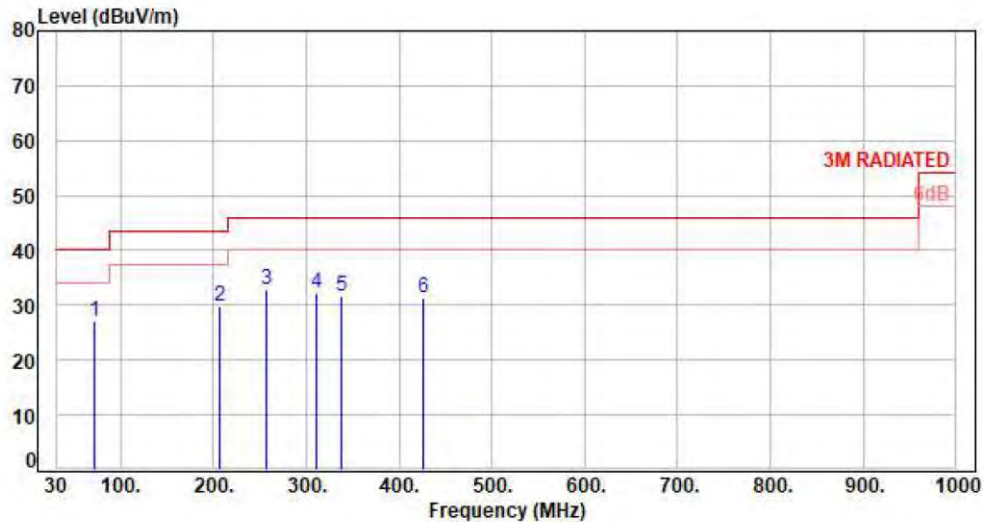
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 5		:	

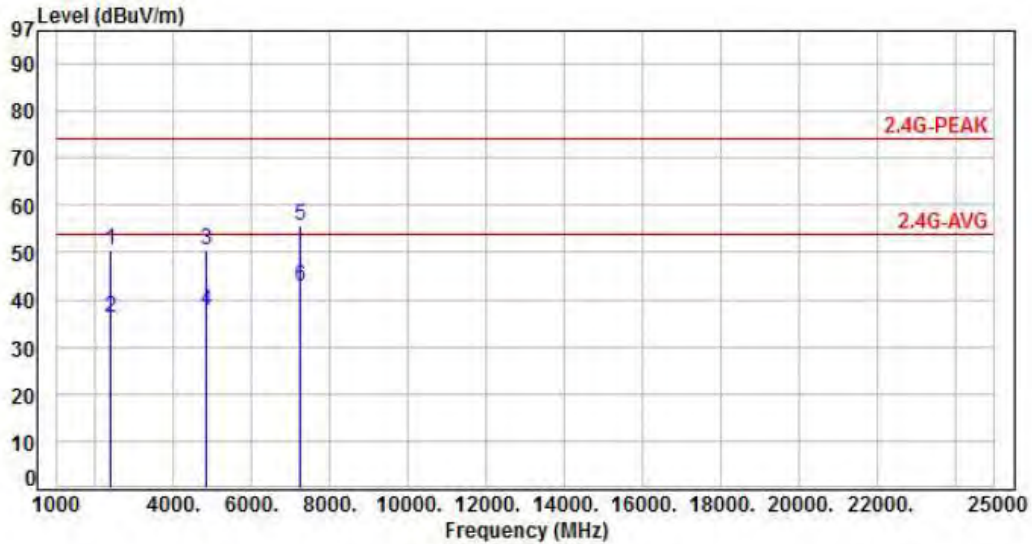


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	71.71	-13.46	40.50	27.04	40.00	-12.96	Peak	100	255	P
2	206.54	-13.45	43.30	29.85	43.50	-13.65	Peak	100	145	P
3	256.98	-11.65	44.49	32.84	46.00	-13.16	Peak	100	85	P
4	311.30	-9.77	42.14	32.37	46.00	-13.63	Peak	100	222	P
5	338.46	-9.32	41.03	31.71	46.00	-14.29	Peak	100	42	P
6	425.76	-6.69	38.07	31.38	46.00	-14.62	Peak	100	102	P

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

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

Power	:	From System (AC120V/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	-2.64	53.05	50.41	74.00	-23.59	Peak	100	304	P
2	2390.00	-2.64	38.76	36.12	54.00	-17.88	Average	100	304	P
3	4824.00	5.03	45.42	50.45	74.00	-23.55	Peak	100	181	P
4	4824.00	5.03	32.66	37.69	54.00	-16.31	Average	100	181	P
5	7236.00	9.77	45.74	55.51	74.00	-18.49	Peak	100	106	P
6	7236.00	9.77	33.06	42.83	54.00	-11.17	Average	100	106	P

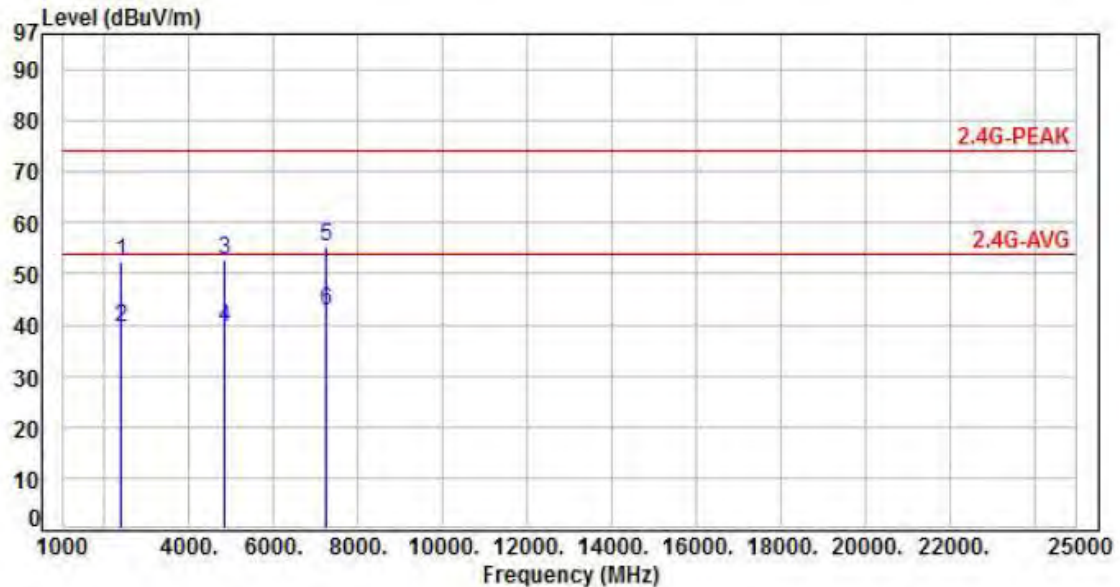
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	55.00	52.36	74.00	-21.64	Peak	100	179	P
2	2390.00	-2.64	41.97	39.33	54.00	-14.67	Average	100	179	P
3	4824.00	5.03	47.58	52.61	74.00	-21.39	Peak	100	125	P
4	4824.00	5.03	34.44	39.47	54.00	-14.53	Average	100	125	P
5	7236.00	9.77	45.72	55.49	74.00	-18.51	Peak	100	153	P
6	7236.00	9.77	32.87	42.64	54.00	-11.36	Average	100	153	P

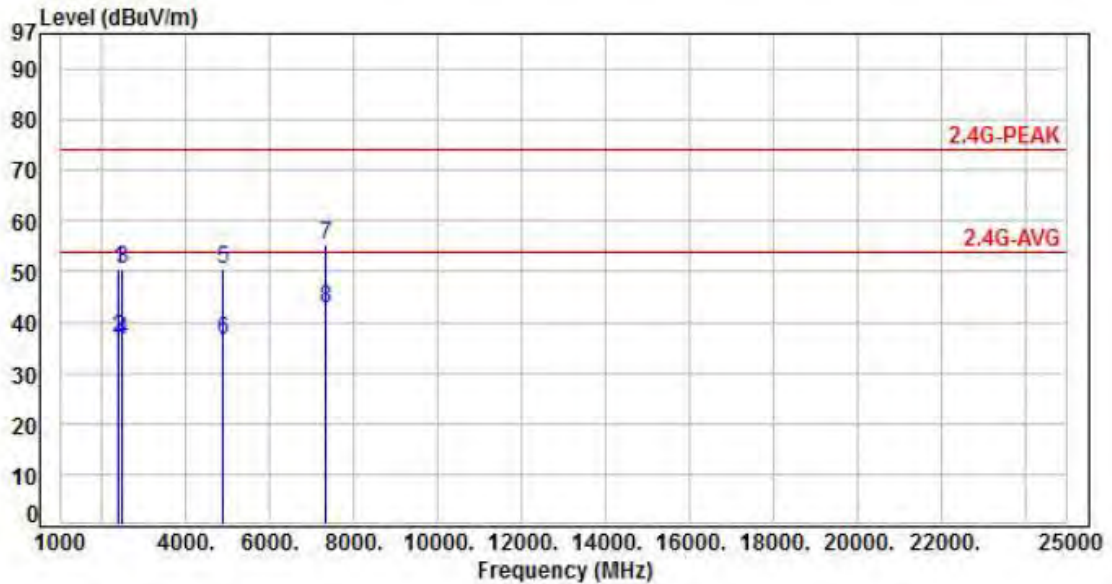
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	53.05	50.41	74.00	-23.59	Peak	100	108	P
2	2390.00	-2.64	39.38	36.74	54.00	-17.26	Average	100	108	P
3	2483.50	-2.39	53.05	50.66	74.00	-23.34	Peak	100	148	P
4	2483.50	-2.39	38.88	36.49	54.00	-17.51	Average	100	148	P
5	4874.00	5.18	45.39	50.57	74.00	-23.43	Peak	100	341	P
6	4874.00	5.18	31.40	36.58	54.00	-17.42	Average	100	341	P
7	7311.00	10.16	45.08	55.24	74.00	-18.76	Peak	100	123	P
8	7311.00	10.16	32.62	42.78	54.00	-11.22	Average	100	123	P

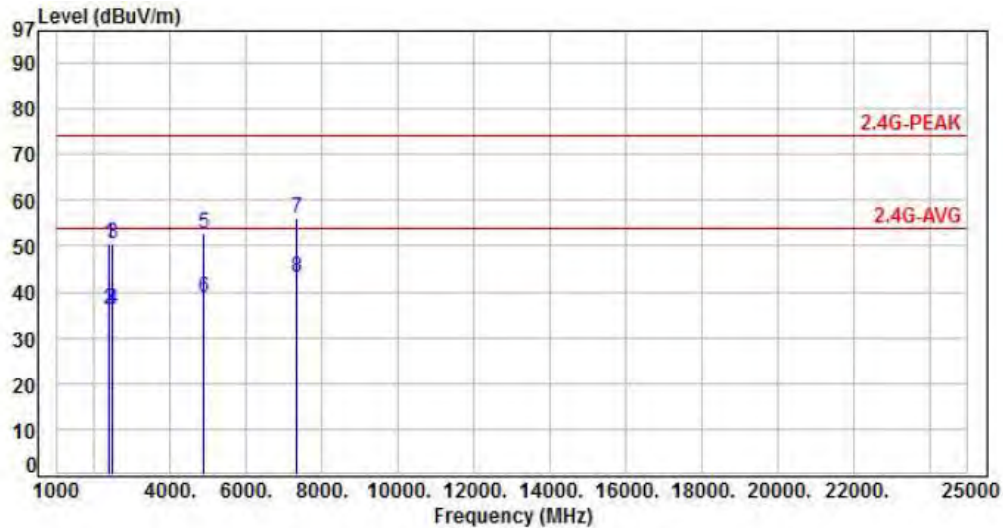
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	53.27	50.63	74.00	-23.37	Peak	100	163	P
2	2390.00	-2.64	38.86	36.22	54.00	-17.78	Average	100	163	P
3	2483.50	-2.39	52.76	50.37	74.00	-23.63	Peak	100	179	P
4	2483.50	-2.39	38.44	36.05	54.00	-17.95	Average	100	179	P
5	4874.00	5.18	47.55	52.73	74.00	-21.27	Peak	100	223	P
6	4874.00	5.18	33.50	38.68	54.00	-15.32	Average	100	223	P
7	7311.00	10.16	46.05	56.21	74.00	-17.79	Peak	100	161	P
8	7311.00	10.16	32.86	43.02	54.00	-10.98	Average	100	161	P

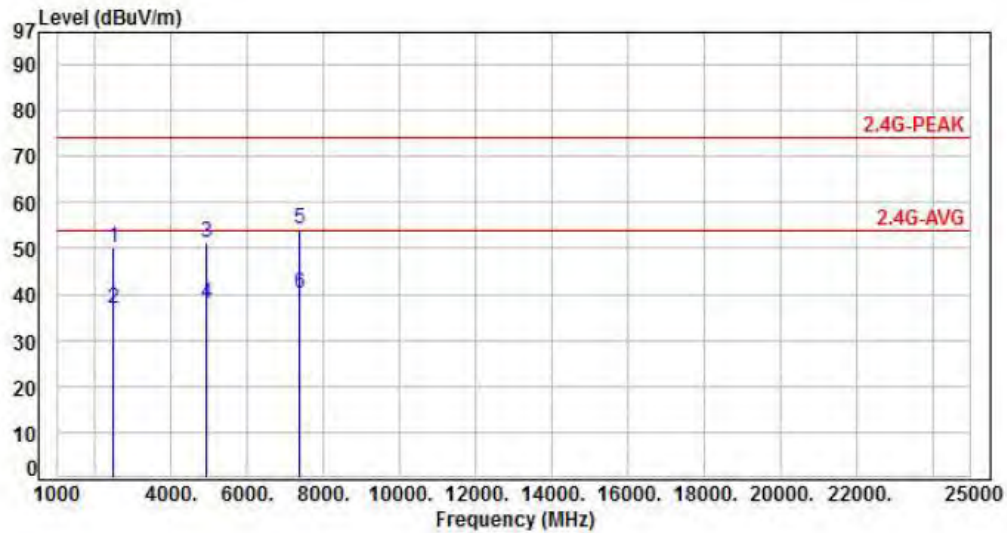
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.39	52.63	50.24	74.00	-23.76	Peak	100	285	P
2	2483.50	-2.39	39.17	36.78	54.00	-17.22	Average	100	285	P
3	4924.00	5.39	45.83	51.22	74.00	-22.78	Peak	100	204	P
4	4924.00	5.39	32.46	37.85	54.00	-16.15	Average	100	204	P
5	7386.00	10.18	44.16	54.34	74.00	-19.66	Peak	100	102	P
6	7386.00	10.18	30.17	40.35	54.00	-13.65	Average	100	102	P

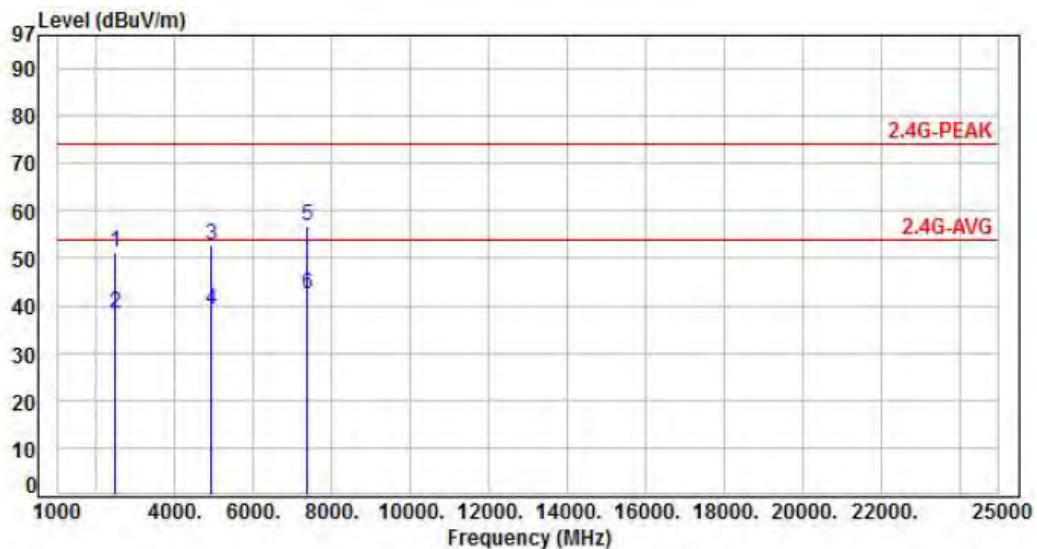
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.39	53.78	51.39	74.00	-22.61	Peak	100	126	P
2	2483.50	-2.39	40.72	38.33	54.00	-15.67	Average	100	126	P
3	4924.00	5.39	47.37	52.76	74.00	-21.24	Peak	100	191	P
4	4924.00	5.39	33.78	39.17	54.00	-14.83	Average	100	191	P
5	7386.00	10.18	46.55	56.73	74.00	-17.27	Peak	100	241	P
6	7386.00	10.18	32.18	42.36	54.00	-11.64	Average	100	241	P

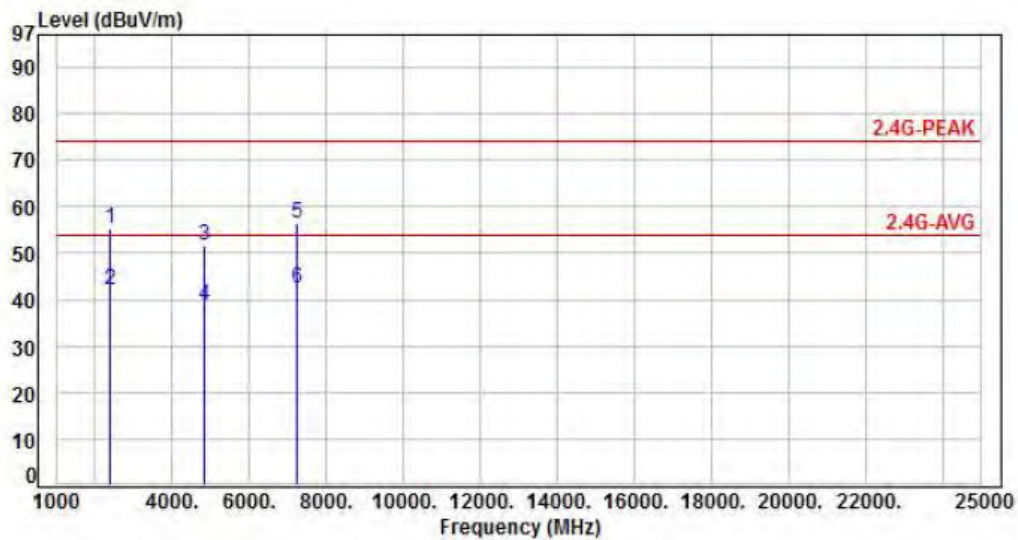
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	57.83	55.19	74.00	-18.81	Peak	100	205	P
2	2390.00	-2.64	44.70	42.06	54.00	-11.94	Average	100	205	P
3	4824.00	5.03	46.45	51.48	74.00	-22.52	Peak	100	187	P
4	4824.00	5.03	33.76	38.79	54.00	-15.21	Average	100	187	P
5	7236.00	9.77	46.57	56.34	74.00	-17.66	Peak	100	174	P
6	7236.00	9.77	32.59	42.36	54.00	-11.64	Average	100	174	P

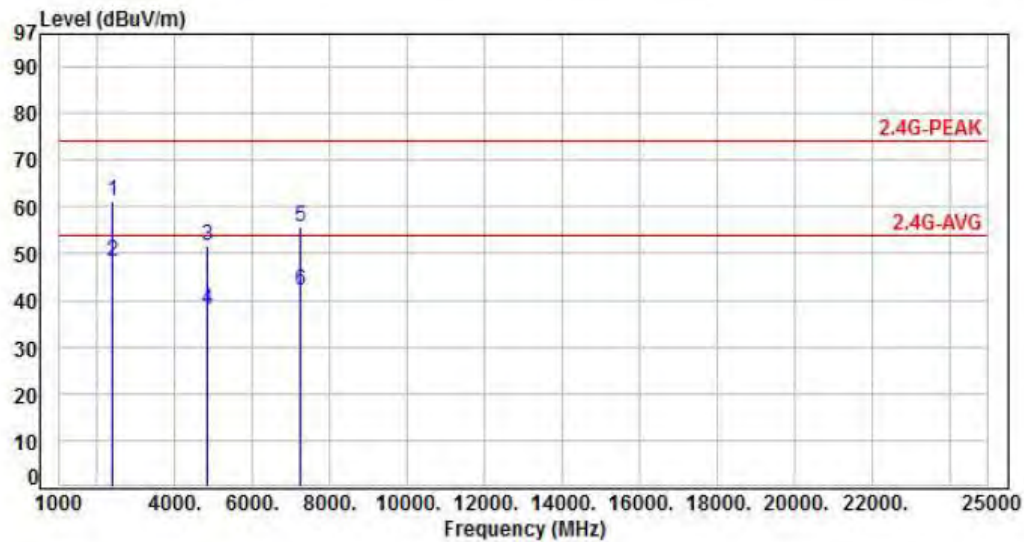
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	63.92	61.28	74.00	-12.72	Peak	100	108	P
2	2390.00	-2.64	51.00	48.36	54.00	-5.64	Average	100	108	P
3	4824.00	5.03	46.51	51.54	74.00	-22.46	Peak	100	246	P
4	4824.00	5.03	32.83	37.86	54.00	-16.14	Average	100	246	P
5	7236.00	9.77	45.87	55.64	74.00	-18.36	Peak	100	245	P
6	7236.00	9.77	32.24	42.01	54.00	-11.99	Average	100	245	P

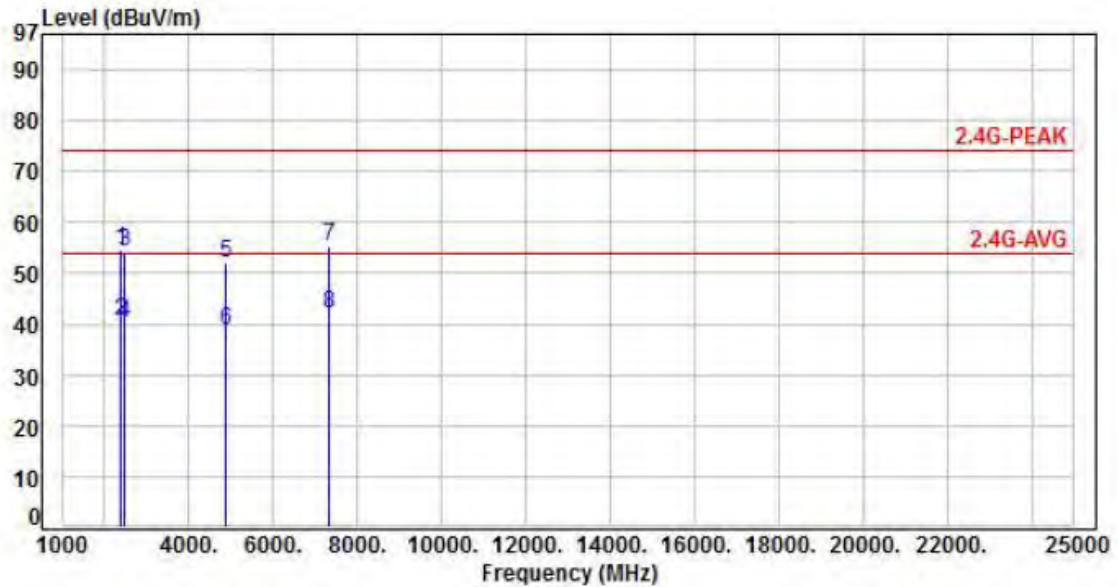
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	57.17	54.53	74.00	-19.47	Peak	100	105	P
2	2390.00	-2.64	43.28	40.64	54.00	-13.36	Average	100	105	P
3	2483.50	-2.39	56.44	54.05	74.00	-19.95	Peak	100	128	P
4	2483.50	-2.39	42.64	40.25	54.00	-13.75	Average	100	128	P
5	4874.00	5.18	46.93	52.11	74.00	-21.89	Peak	100	184	P
6	4874.00	5.18	33.46	38.64	54.00	-15.36	Average	100	184	P
7	7311.00	10.16	45.15	55.31	74.00	-18.69	Peak	100	52	P
8	7311.00	10.16	31.96	42.12	54.00	-11.88	Average	100	52	P

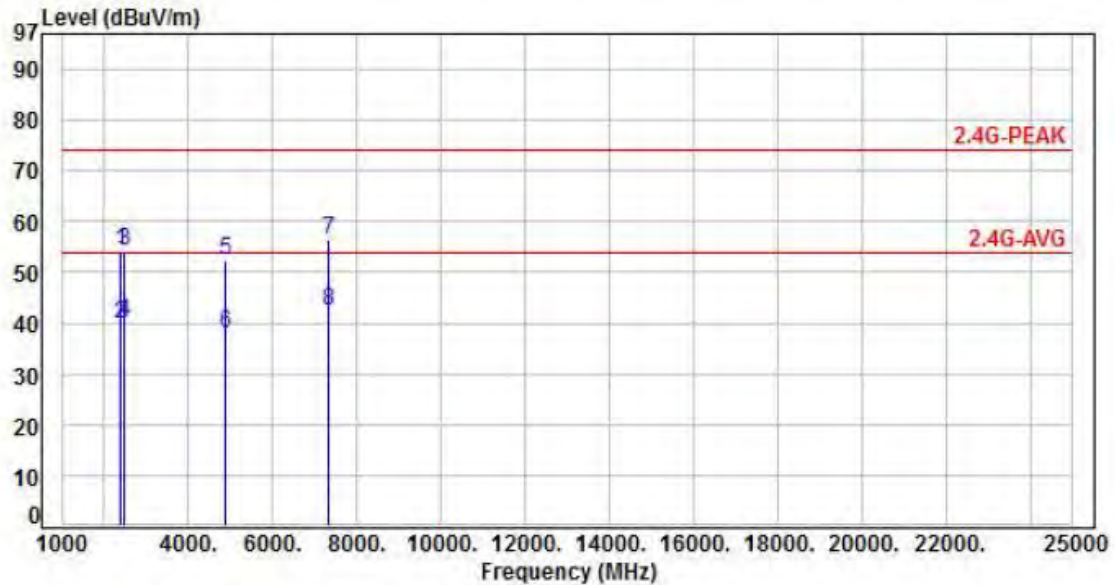
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	56.76	54.12	74.00	-19.88	Peak	100	122	P
2	2390.00	-2.64	42.35	39.71	54.00	-14.29	Average	100	122	P
3	2483.50	-2.39	56.68	54.29	74.00	-19.71	Peak	100	326	P
4	2483.50	-2.39	42.64	40.25	54.00	-13.75	Average	100	326	P
5	4874.00	5.18	47.15	52.33	74.00	-21.67	Peak	100	334	P
6	4874.00	5.18	32.97	38.15	54.00	-15.85	Average	100	334	P
7	7311.00	10.16	46.32	56.48	74.00	-17.52	Peak	100	315	P
8	7311.00	10.16	32.28	42.44	54.00	-11.56	Average	100	315	P

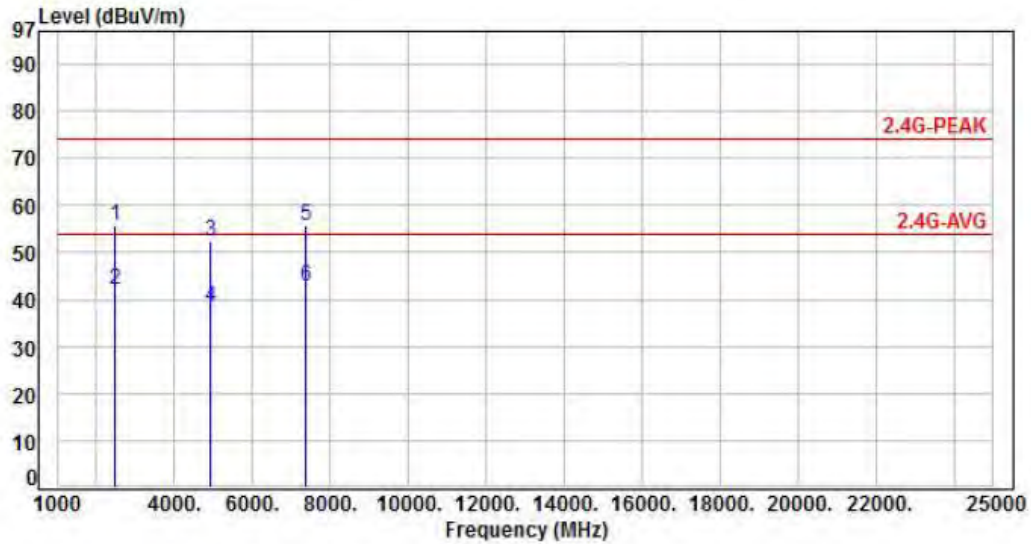
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.39	58.05	55.66	74.00	-18.34	Peak	100	239	P
2	2483.50	-2.39	44.53	42.14	54.00	-11.86	Average	100	239	P
3	4924.00	5.39	46.95	52.34	74.00	-21.66	Peak	100	152	P
4	4924.00	5.39	33.06	38.45	54.00	-15.55	Average	100	152	P
5	7386.00	10.18	45.59	55.77	74.00	-18.23	Peak	100	142	P
6	7386.00	10.18	32.46	42.64	54.00	-11.36	Average	100	142	P

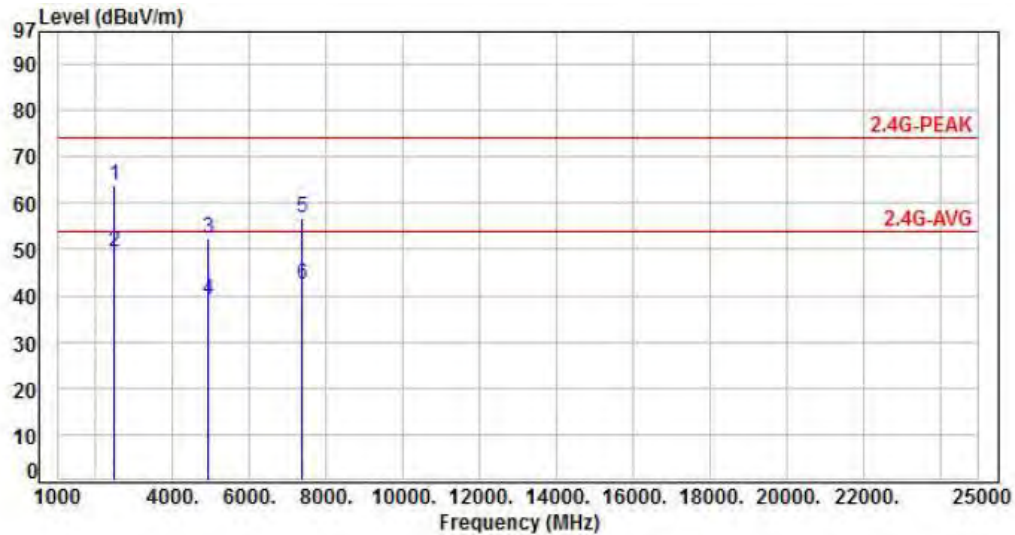
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.39	66.02	63.63	74.00	-10.37	Peak	100	187	P
2	2483.50	-2.39	51.86	49.47	54.00	-4.53	Average	100	187	P
3	4924.00	5.39	47.04	52.43	74.00	-21.57	Peak	100	179	P
4	4924.00	5.39	33.53	38.92	54.00	-15.08	Average	100	179	P
5	7386.00	10.18	46.47	56.65	74.00	-17.35	Peak	100	41	P
6	7386.00	10.18	32.20	42.38	54.00	-11.62	Average	100	41	P

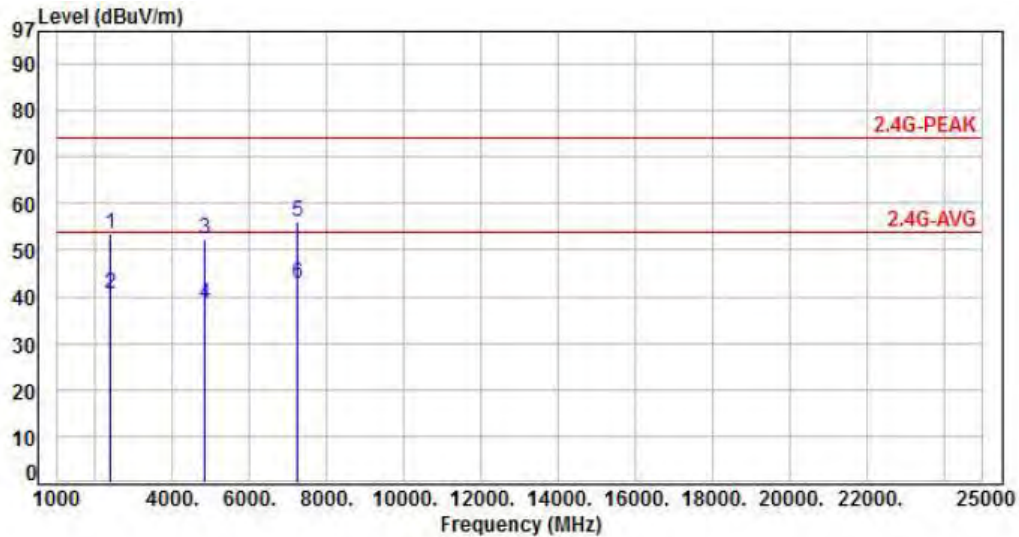
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, CH01		:	

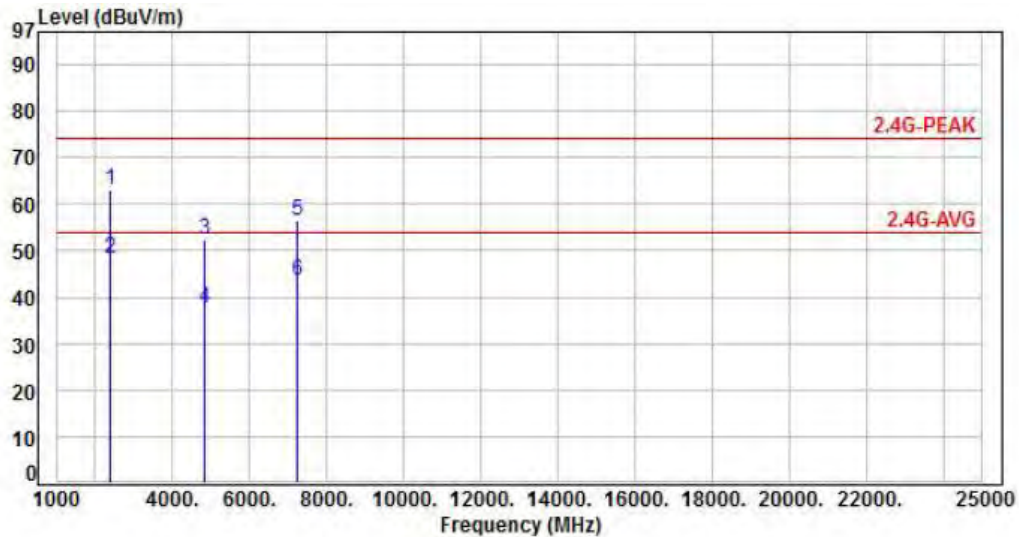


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	55.98	53.34	74.00	-20.66	Peak	100	122	P
2	2390.00	-2.64	43.27	40.63	54.00	-13.37	Average	100	122	P
3	4824.00	5.03	47.31	52.34	74.00	-21.66	Peak	100	101	P
4	4824.00	5.03	33.42	38.45	54.00	-15.55	Average	100	101	P
5	7236.00	9.77	46.44	56.21	74.00	-17.79	Peak	100	276	P
6	7236.00	9.77	33.05	42.82	54.00	-11.18	Average	100	276	P

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



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, 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	-2.64	65.55	62.91	74.00	-11.09	Peak	100	132	P
2	2390.00	-2.64	51.03	48.39	54.00	-5.61	Average	100	132	P
3	4824.00	5.03	47.40	52.43	74.00	-21.57	Peak	100	114	P
4	4824.00	5.03	32.61	37.64	54.00	-16.36	Average	100	114	P
5	7236.00	9.77	46.63	56.40	74.00	-17.60	Peak	100	205	P
6	7236.00	9.77	33.76	43.53	54.00	-10.47	Average	100	205	P

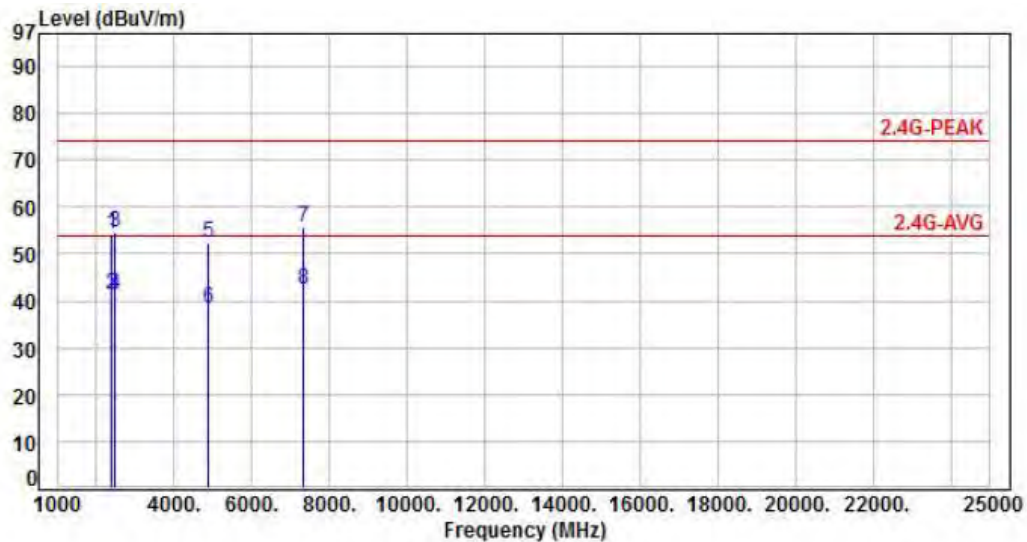
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, 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	-2.64	56.89	54.25	74.00	-19.75	Peak	100	144	P
2	2390.00	-2.64	44.00	41.36	54.00	-12.64	Average	100	144	P
3	2483.50	-2.39	56.82	54.43	74.00	-19.57	Peak	100	271	P
4	2483.50	-2.39	43.88	41.49	54.00	-12.51	Average	100	271	P
5	4874.00	5.18	47.26	52.44	74.00	-21.56	Peak	100	132	P
6	4874.00	5.18	33.11	38.29	54.00	-15.71	Average	100	132	P
7	7311.00	10.16	45.60	55.76	74.00	-18.24	Peak	100	182	P
8	7311.00	10.16	32.21	42.37	54.00	-11.63	Average	100	182	P

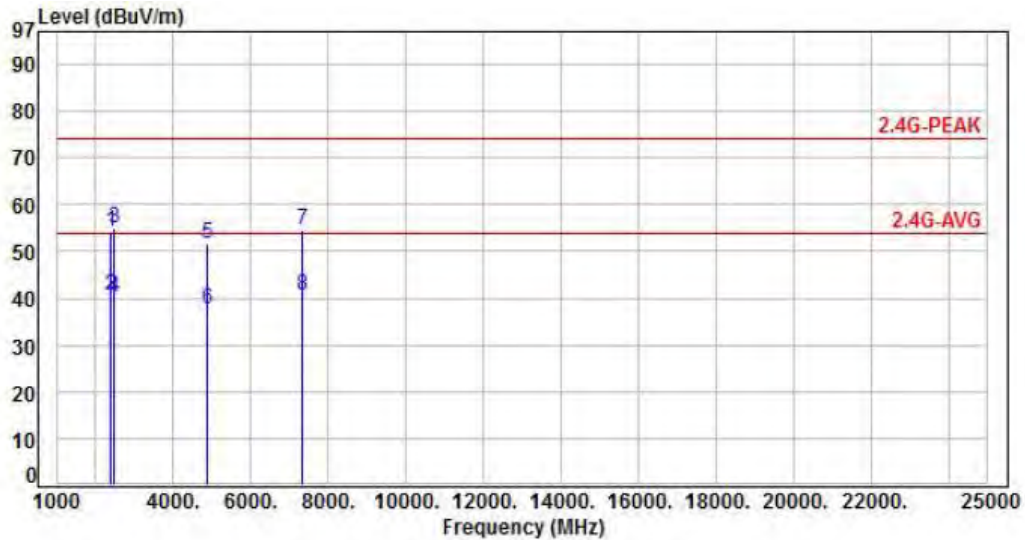
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, 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	-2.64	57.01	54.37	74.00	-19.63	Peak	100	180	P
2	2390.00	-2.64	43.06	40.42	54.00	-13.58	Average	100	180	P
3	2483.50	-2.39	57.20	54.81	74.00	-19.19	Peak	100	110	P
4	2483.50	-2.39	42.75	40.36	54.00	-13.64	Average	100	110	P
5	4874.00	5.18	46.46	51.64	74.00	-22.36	Peak	100	223	P
6	4874.00	5.18	32.49	37.67	54.00	-16.33	Average	100	223	P
7	7311.00	10.16	44.39	54.55	74.00	-19.45	Peak	100	115	P
8	7311.00	10.16	30.52	40.68	54.00	-13.32	Average	100	115	P

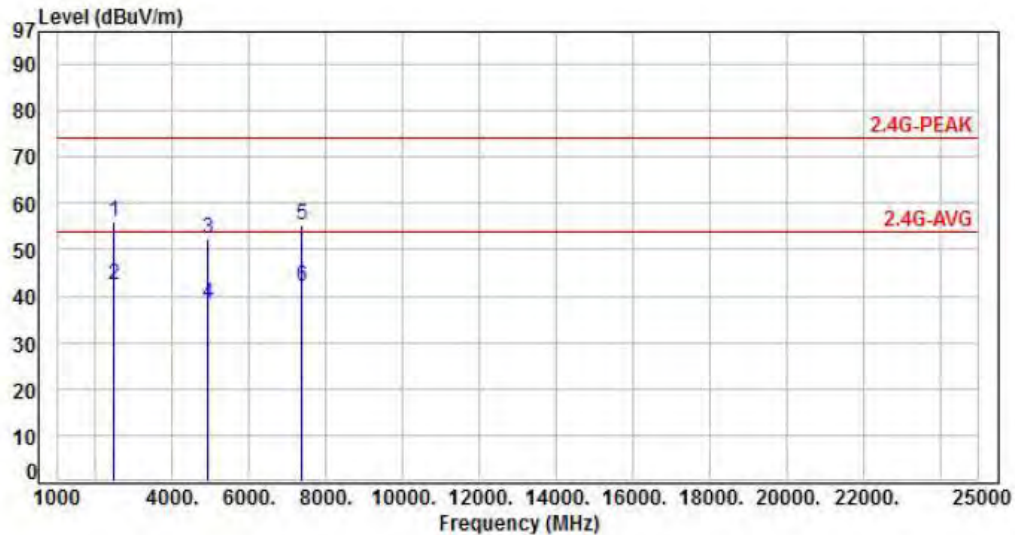
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 3, 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	-2.39	58.36	55.97	74.00	-18.03	Peak	100	207	P
2	2483.50	-2.39	44.71	42.32	54.00	-11.68	Average	100	207	P
3	4924.00	5.39	46.80	52.19	74.00	-21.81	Peak	100	224	P
4	4924.00	5.39	33.06	38.45	54.00	-15.55	Average	100	224	P
5	7386.00	10.18	45.19	55.37	74.00	-18.63	Peak	100	272	P
6	7386.00	10.18	31.86	42.04	54.00	-11.96	Average	100	272	P

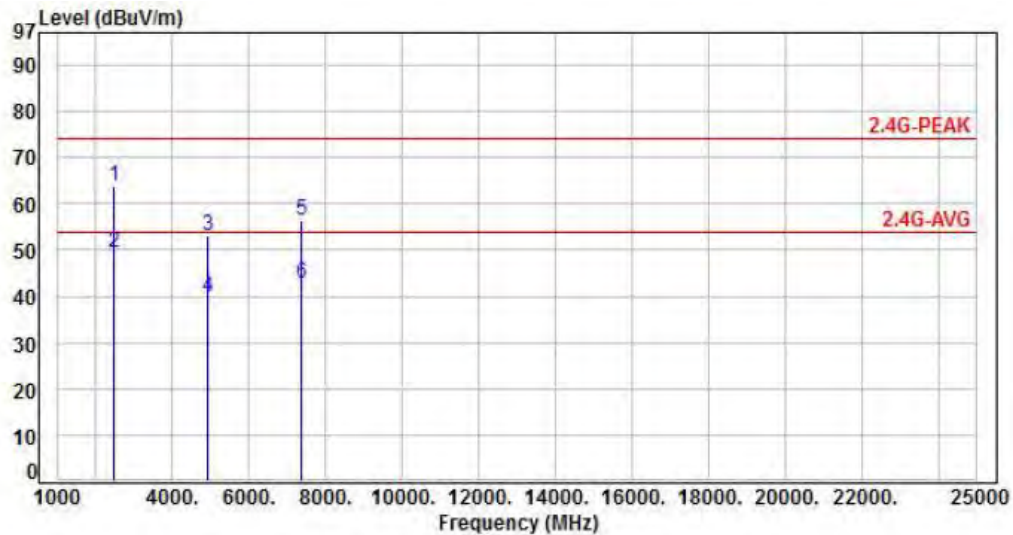
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 3, 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	-2.39	66.09	63.70	74.00	-10.30	Peak	100	277	P
2	2483.50	-2.39	51.72	49.33	54.00	-4.67	Average	100	277	P
3	4924.00	5.39	47.75	53.14	74.00	-20.86	Peak	100	167	P
4	4924.00	5.39	34.27	39.66	54.00	-14.34	Average	100	167	P
5	7386.00	10.18	46.38	56.56	74.00	-17.44	Peak	100	208	P
6	7386.00	10.18	32.60	42.78	54.00	-11.22	Average	100	208	P

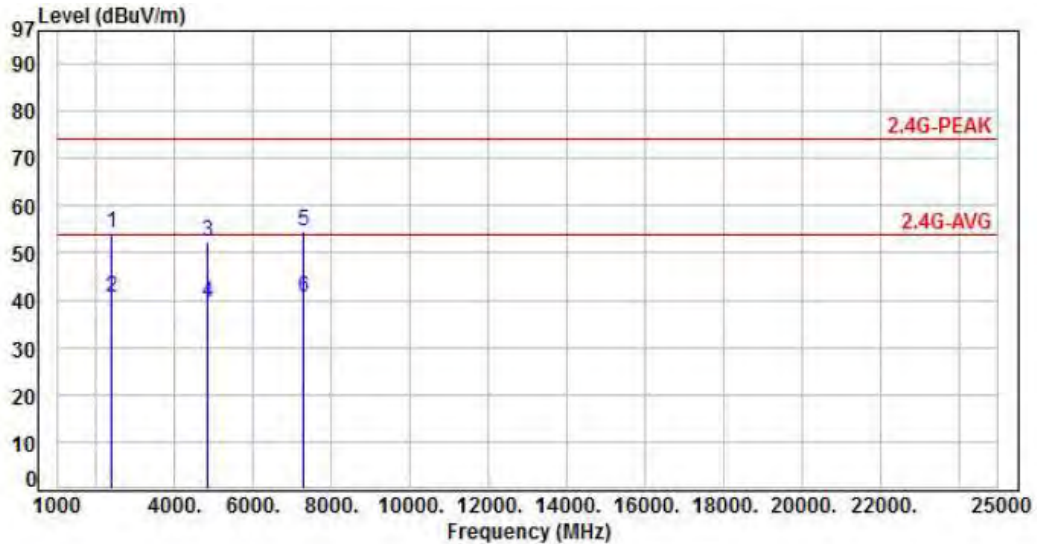
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, 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	-2.64	57.02	54.38	74.00	-19.62	Peak	100	118	P
2	2390.00	-2.64	43.07	40.43	54.00	-13.57	Average	100	118	P
3	4844.00	5.09	47.37	52.46	74.00	-21.54	Peak	100	104	P
4	4844.00	5.09	34.37	39.46	54.00	-14.54	Average	100	104	P
5	7266.00	9.96	44.57	54.53	74.00	-19.47	Peak	100	244	P
6	7266.00	9.96	30.65	40.61	54.00	-13.39	Average	100	244	P

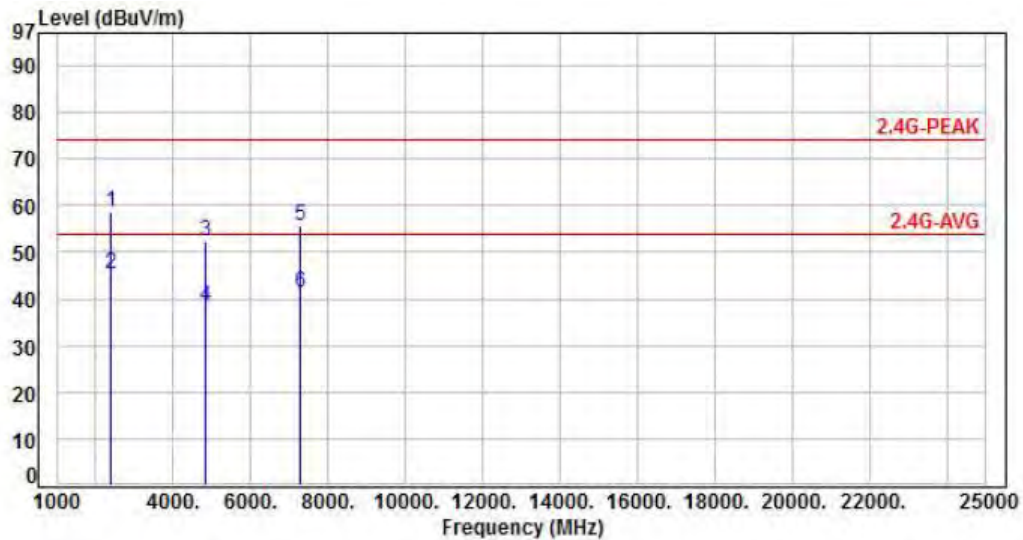
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, 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	-2.64	61.28	58.64	74.00	-15.36	Peak	100	122	P
2	2390.00	-2.64	48.00	45.36	54.00	-8.64	Average	100	122	P
3	4844.00	5.09	47.26	52.35	74.00	-21.65	Peak	100	255	P
4	4844.00	5.09	33.36	38.45	54.00	-15.55	Average	100	255	P
5	7266.00	9.96	45.68	55.64	74.00	-18.36	Peak	100	281	P
6	7266.00	9.96	31.17	41.13	54.00	-12.87	Average	100	281	P

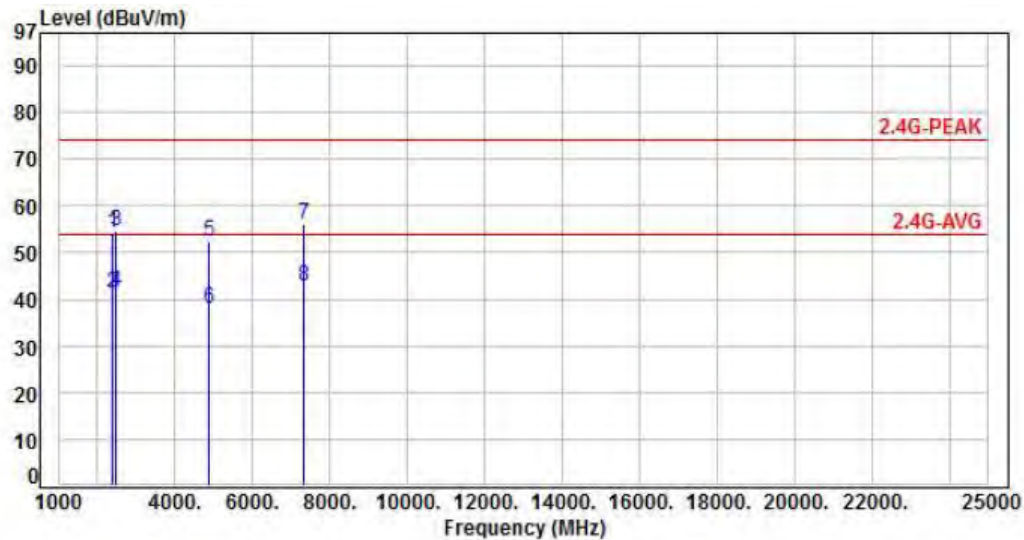
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, 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	-2.64	57.00	54.36	74.00	-19.64	Peak	100	122	P
2	2390.00	-2.64	44.07	41.43	54.00	-12.57	Average	100	122	P
3	2483.50	-2.39	57.01	54.62	74.00	-19.38	Peak	100	212	P
4	2483.50	-2.39	43.96	41.57	54.00	-12.43	Average	100	212	P
5	4874.00	5.18	47.25	52.43	74.00	-21.57	Peak	100	177	P
6	4874.00	5.18	32.67	37.85	54.00	-16.15	Average	100	177	P
7	7311.00	10.16	46.04	56.20	74.00	-17.80	Peak	100	218	P
8	7311.00	10.16	32.48	42.64	54.00	-11.36	Average	100	218	P

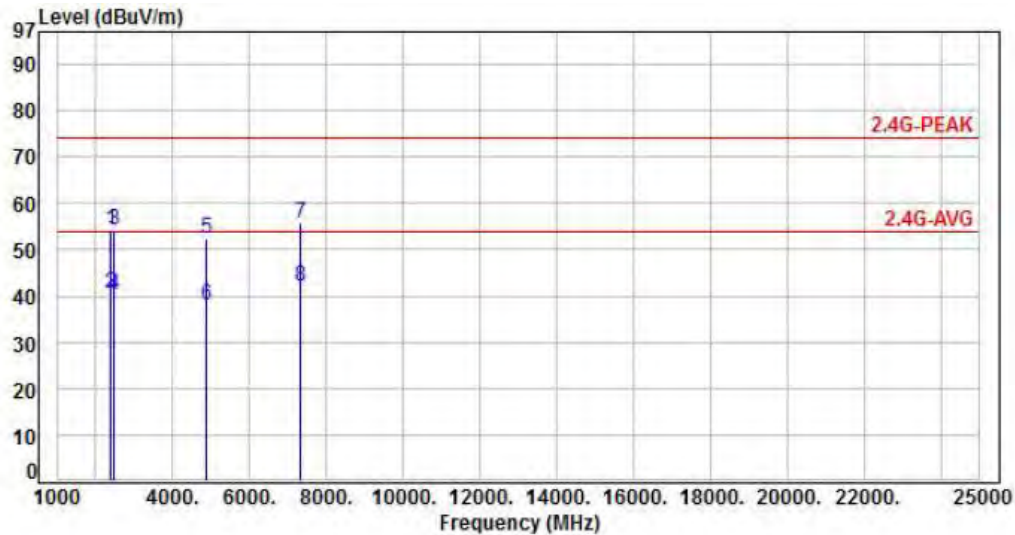
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, 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	-2.64	56.99	54.35	74.00	-19.65	Peak	100	276	P
2	2390.00	-2.64	43.15	40.51	54.00	-13.49	Average	100	276	P
3	2483.50	-2.39	56.67	54.28	74.00	-19.72	Peak	100	267	P
4	2483.50	-2.39	42.70	40.31	54.00	-13.69	Average	100	267	P
5	4874.00	5.18	47.15	52.33	74.00	-21.67	Peak	100	244	P
6	4874.00	5.18	32.81	37.99	54.00	-16.01	Average	100	244	P
7	7311.00	10.16	45.58	55.74	74.00	-18.26	Peak	100	149	P
8	7311.00	10.16	31.85	42.01	54.00	-11.99	Average	100	149	P

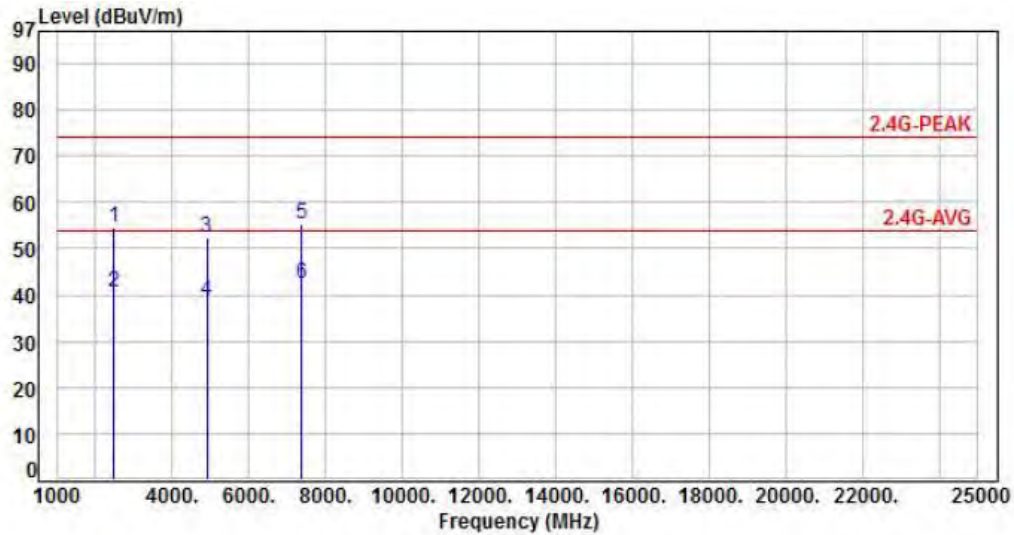
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 4, 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	-2.39	56.93	54.54	74.00	-19.46	Peak	100	173	P
2	2483.50	-2.39	43.06	40.67	54.00	-13.33	Average	100	173	P
3	4904.00	5.29	47.12	52.41	74.00	-21.59	Peak	100	225	P
4	4904.00	5.29	33.35	38.64	54.00	-15.36	Average	100	225	P
5	7356.00	10.11	45.20	55.31	74.00	-18.69	Peak	100	196	P
6	7356.00	10.11	32.33	42.44	54.00	-11.56	Average	100	196	P

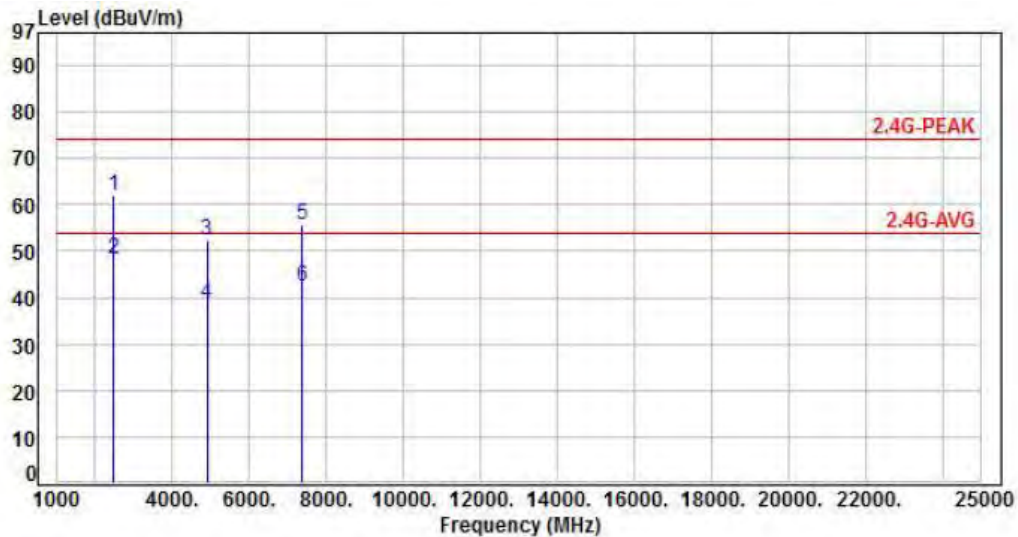
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 4, 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	-2.39	64.53	62.14	74.00	-11.86	Peak	100	284	P
2	2483.50	-2.39	50.70	48.31	54.00	-5.69	Average	100	284	P
3	4904.00	5.29	47.17	52.46	74.00	-21.54	Peak	100	135	P
4	4904.00	5.29	33.38	38.67	54.00	-15.33	Average	100	135	P
5	7356.00	10.11	45.50	55.61	74.00	-18.39	Peak	100	145	P
6	7356.00	10.11	32.27	42.38	54.00	-11.62	Average	100	145	P

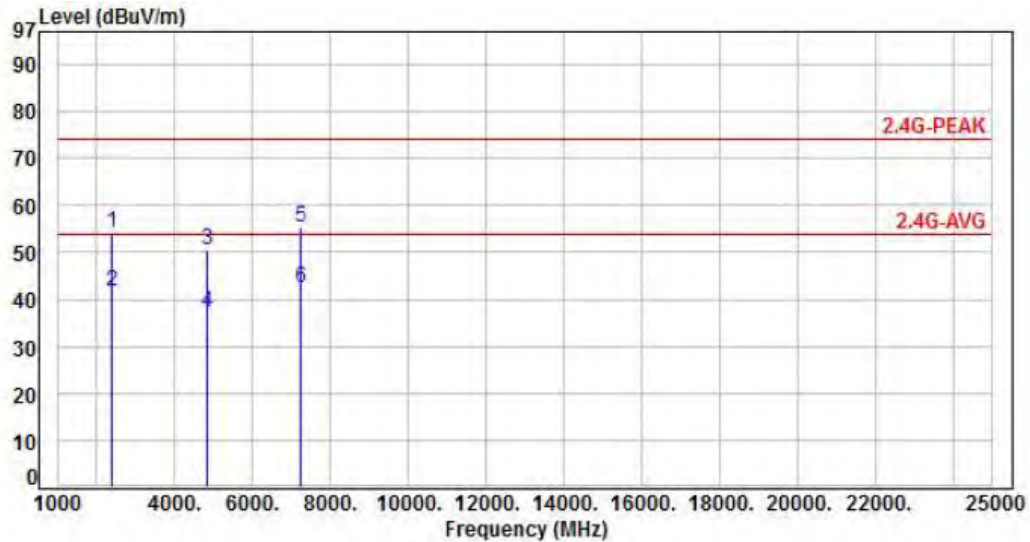
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	56.98	54.34	74.00	-19.66	Peak	100	274	P
2	2390.00	-2.64	44.19	41.55	54.00	-12.45	Average	100	274	P
3	4824.00	5.03	45.57	50.60	74.00	-23.40	Peak	100	222	P
4	4824.00	5.03	32.18	37.21	54.00	-16.79	Average	100	222	P
5	7236.00	9.77	45.69	55.46	74.00	-18.54	Peak	100	156	P
6	7236.00	9.77	32.61	42.38	54.00	-11.62	Average	100	156	P

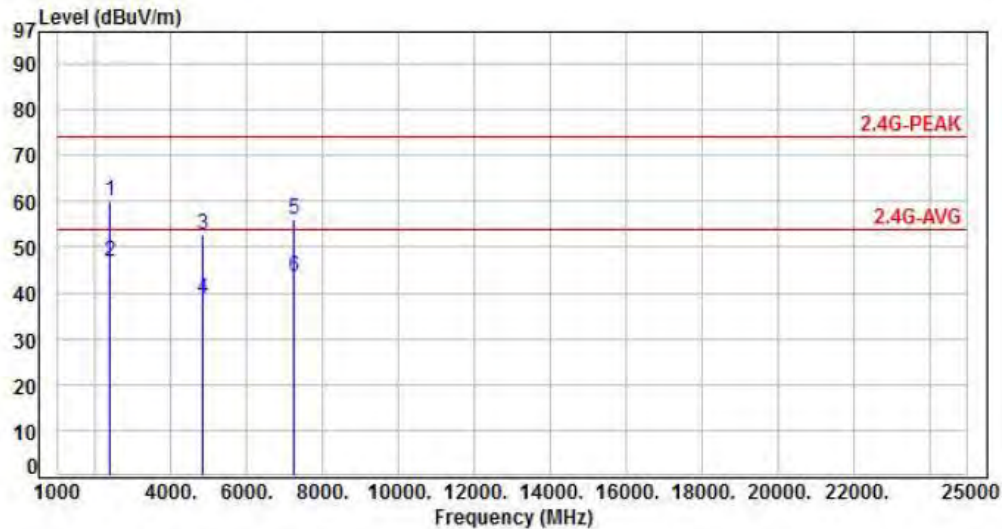
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	62.69	60.05	74.00	-13.95	Peak	100	291	P
2	2390.00	-2.64	49.46	46.82	54.00	-7.18	Average	100	291	P
3	4824.00	5.03	47.58	52.61	74.00	-21.39	Peak	100	180	P
4	4824.00	5.03	33.83	38.86	54.00	-15.14	Average	100	180	P
5	7236.00	9.77	46.35	56.12	74.00	-17.88	Peak	100	157	P
6	7236.00	9.77	33.88	43.65	54.00	-10.35	Average	100	157	P

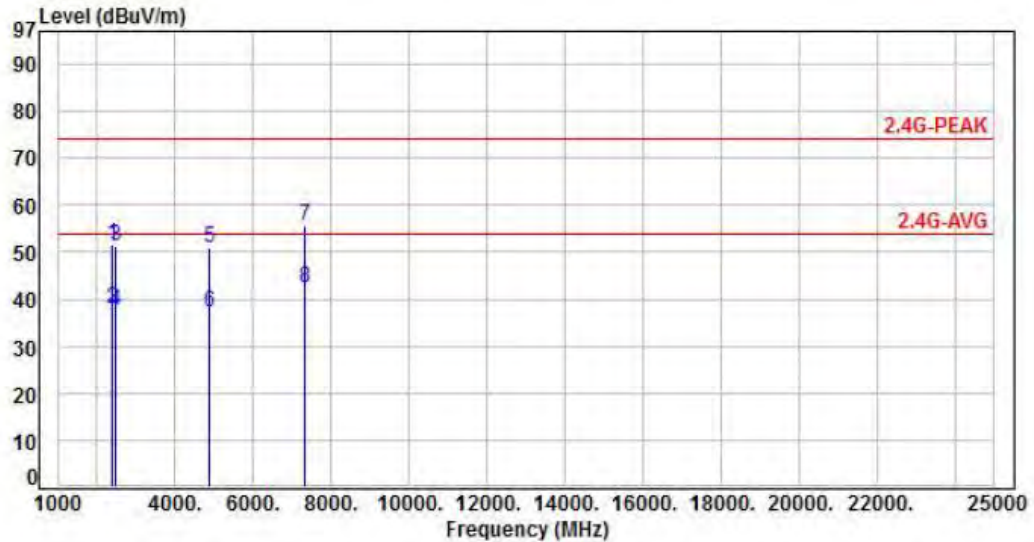
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	54.13	51.49	74.00	-22.51	Peak	100	183	P
2	2390.00	-2.64	40.49	37.85	54.00	-16.15	Average	100	183	P
3	2483.50	-2.39	53.82	51.43	74.00	-22.57	Peak	100	123	P
4	2483.50	-2.39	40.07	37.68	54.00	-16.32	Average	100	123	P
5	4874.00	5.18	45.58	50.76	74.00	-23.24	Peak	100	204	P
6	4874.00	5.18	32.06	37.24	54.00	-16.76	Average	100	204	P
7	7311.00	10.16	45.51	55.67	74.00	-18.33	Peak	100	204	P
8	7311.00	10.16	32.20	42.36	54.00	-11.64	Average	100	204	P

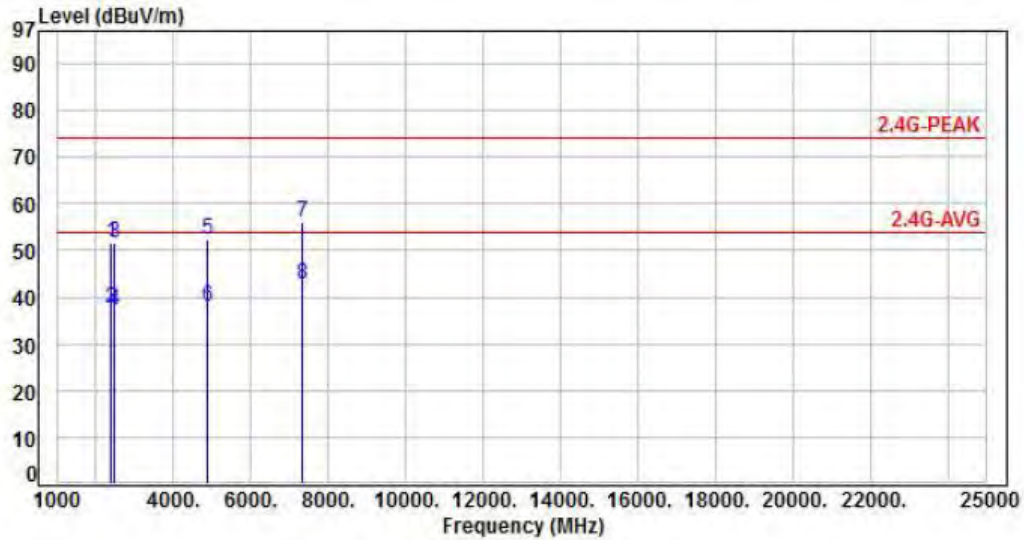
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	54.27	51.63	74.00	-22.37	Peak	100	280	P
2	2390.00	-2.64	40.09	37.45	54.00	-16.55	Average	100	280	P
3	2483.50	-2.39	53.94	51.55	74.00	-22.45	Peak	100	41	P
4	2483.50	-2.39	39.63	37.24	54.00	-16.76	Average	100	41	P
5	4874.00	5.18	47.23	52.41	74.00	-21.59	Peak	100	202	P
6	4874.00	5.18	32.64	37.82	54.00	-16.18	Average	100	202	P
7	7311.00	10.16	45.95	56.11	74.00	-17.89	Peak	100	122	P
8	7311.00	10.16	32.49	42.65	54.00	-11.35	Average	100	122	P

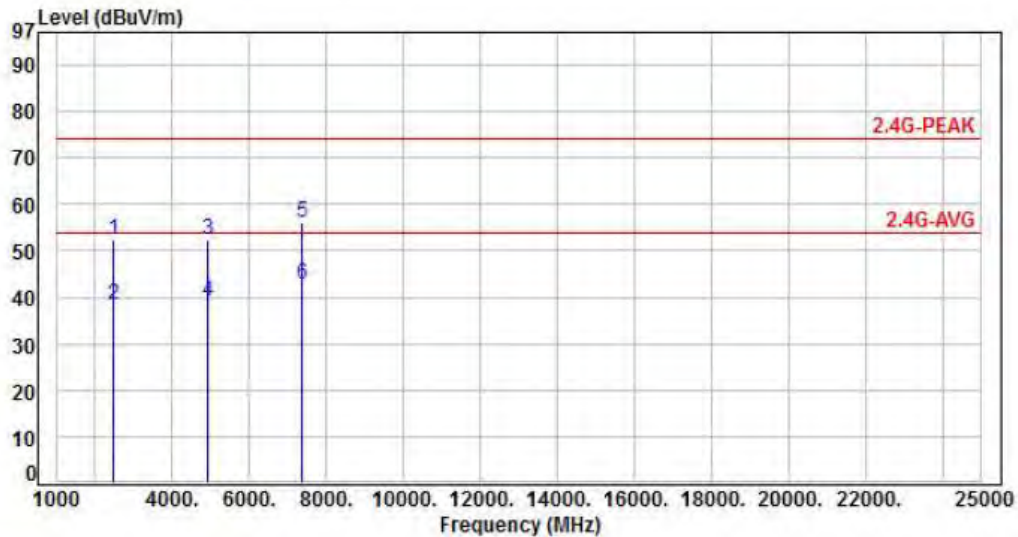
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.39	54.82	52.43	74.00	-21.57	Peak	100	196	P
2	2483.50	-2.39	40.74	38.35	54.00	-15.65	Average	100	196	P
3	4924.00	5.39	47.10	52.49	74.00	-21.51	Peak	100	158	P
4	4924.00	5.39	33.56	38.95	54.00	-15.05	Average	100	158	P
5	7386.00	10.18	46.05	56.23	74.00	-17.77	Peak	100	215	P
6	7386.00	10.18	32.47	42.65	54.00	-11.35	Average	100	215	P

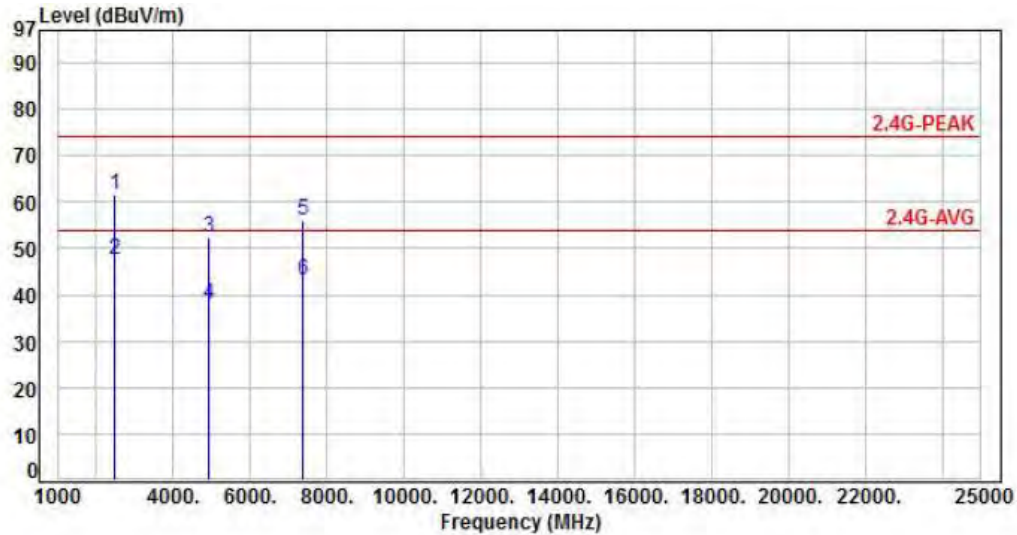
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.39	63.87	61.48	74.00	-12.52	Peak	100	282	P
2	2483.50	-2.39	50.00	47.61	54.00	-6.39	Average	100	282	P
3	4924.00	5.39	47.08	52.47	74.00	-21.53	Peak	100	122	P
4	4924.00	5.39	32.54	37.93	54.00	-16.07	Average	100	122	P
5	7386.00	10.18	45.96	56.14	74.00	-17.86	Peak	100	236	P
6	7386.00	10.18	32.79	42.97	54.00	-11.03	Average	100	236	P

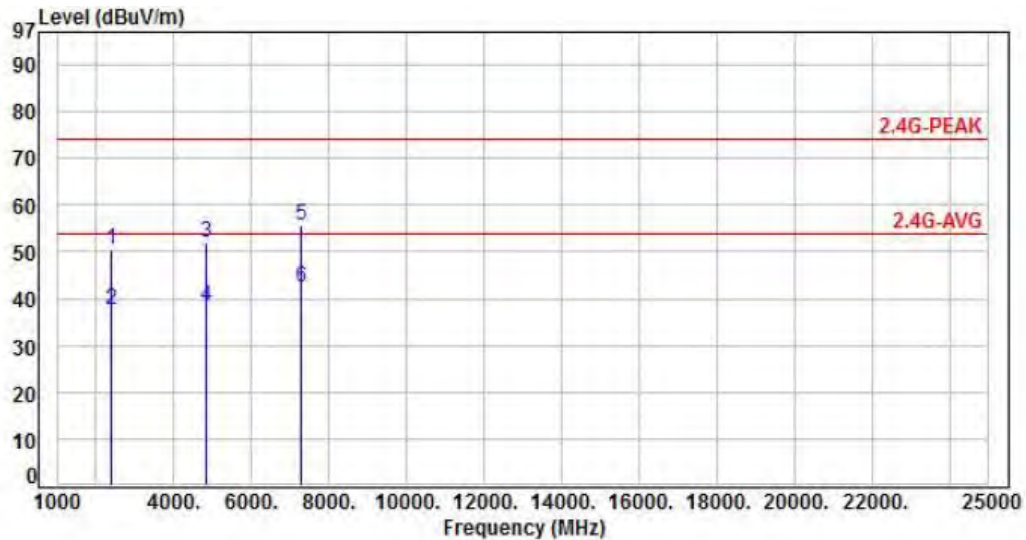
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	53.32	50.68	74.00	-23.32	Peak	100	228	P
2	2390.00	-2.64	40.15	37.51	54.00	-16.49	Average	100	228	P
3	4844.00	5.09	47.05	52.14	74.00	-21.86	Peak	100	214	P
4	4844.00	5.09	33.36	38.45	54.00	-15.55	Average	100	214	P
5	7266.00	9.96	45.80	55.76	74.00	-18.24	Peak	100	172	P
6	7266.00	9.96	32.42	42.38	54.00	-11.62	Average	100	172	P

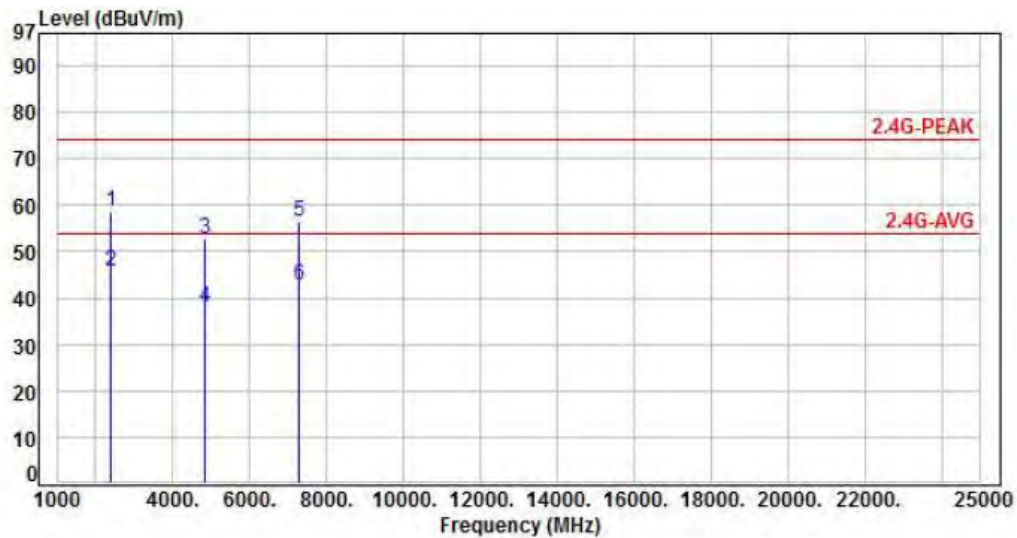
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	61.13	58.49	74.00	-15.51	Peak	100	274	P
2	2390.00	-2.64	48.42	45.78	54.00	-8.22	Average	100	274	P
3	4844.00	5.09	47.55	52.64	74.00	-21.36	Peak	100	176	P
4	4844.00	5.09	32.86	37.95	54.00	-16.05	Average	100	176	P
5	7266.00	9.96	46.48	56.44	74.00	-17.56	Peak	100	122	P
6	7266.00	9.96	32.99	42.95	54.00	-11.05	Average	100	122	P

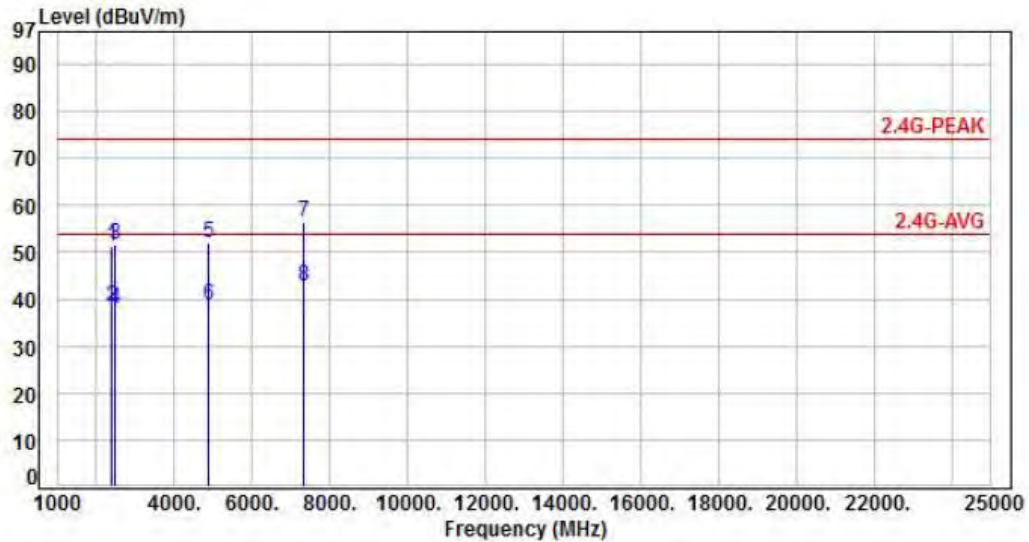
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	53.99	51.35	74.00	-22.65	Peak	100	126	P
2	2390.00	-2.64	40.84	38.20	54.00	-15.80	Average	100	126	P
3	2483.50	-2.39	53.85	51.46	74.00	-22.54	Peak	100	284	P
4	2483.50	-2.39	40.30	37.91	54.00	-16.09	Average	100	284	P
5	4874.00	5.18	46.96	52.14	74.00	-21.86	Peak	100	285	P
6	4874.00	5.18	33.41	38.59	54.00	-15.41	Average	100	285	P
7	7311.00	10.16	46.25	56.41	74.00	-17.59	Peak	100	197	P
8	7311.00	10.16	32.50	42.66	54.00	-11.34	Average	100	197	P

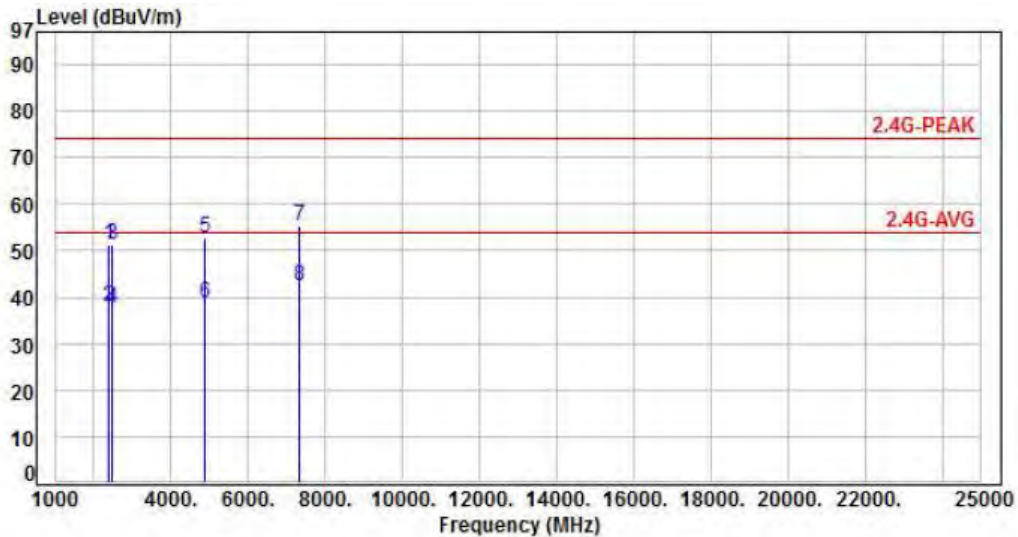
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.64	53.88	51.24	74.00	-22.76	Peak	100	233	P
2	2390.00	-2.64	40.65	38.01	54.00	-15.99	Average	100	233	P
3	2483.50	-2.39	53.51	51.12	74.00	-22.88	Peak	100	148	P
4	2483.50	-2.39	39.95	37.56	54.00	-16.44	Average	100	148	P
5	4874.00	5.18	47.55	52.73	74.00	-21.27	Peak	100	215	P
6	4874.00	5.18	33.37	38.55	54.00	-15.45	Average	100	215	P
7	7311.00	10.16	45.32	55.48	74.00	-18.52	Peak	100	251	P
8	7311.00	10.16	32.19	42.35	54.00	-11.65	Average	100	251	P

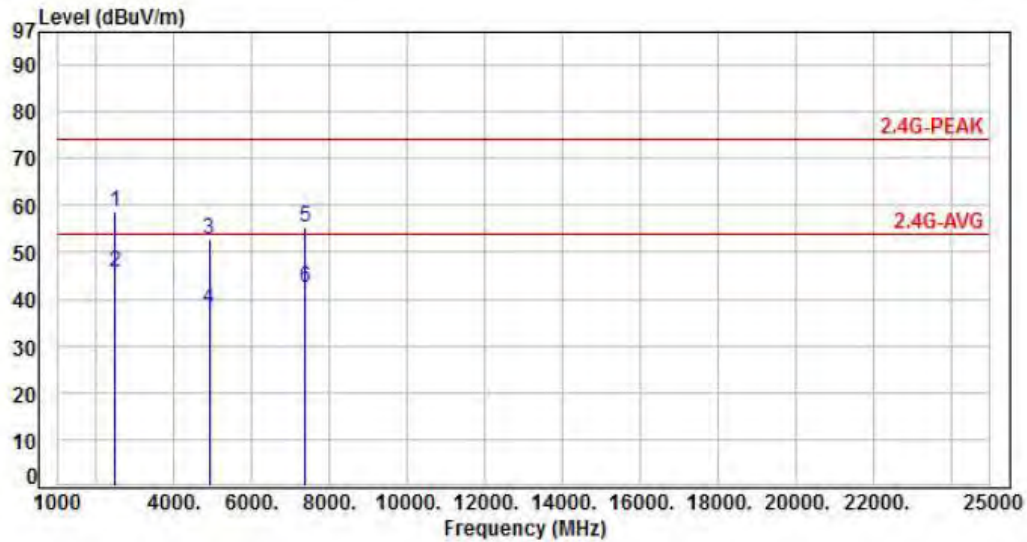
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.39	60.88	58.49	74.00	-15.51	Peak	100	276	P
2	2483.50	-2.39	48.14	45.75	54.00	-8.25	Average	100	276	P
3	4904.00	5.29	47.47	52.76	74.00	-21.24	Peak	100	274	P
4	4904.00	5.29	32.66	37.95	54.00	-16.05	Average	100	274	P
5	7356.00	10.11	45.33	55.44	74.00	-18.56	Peak	100	128	P
6	7356.00	10.11	32.33	42.44	54.00	-11.56	Average	100	128	P

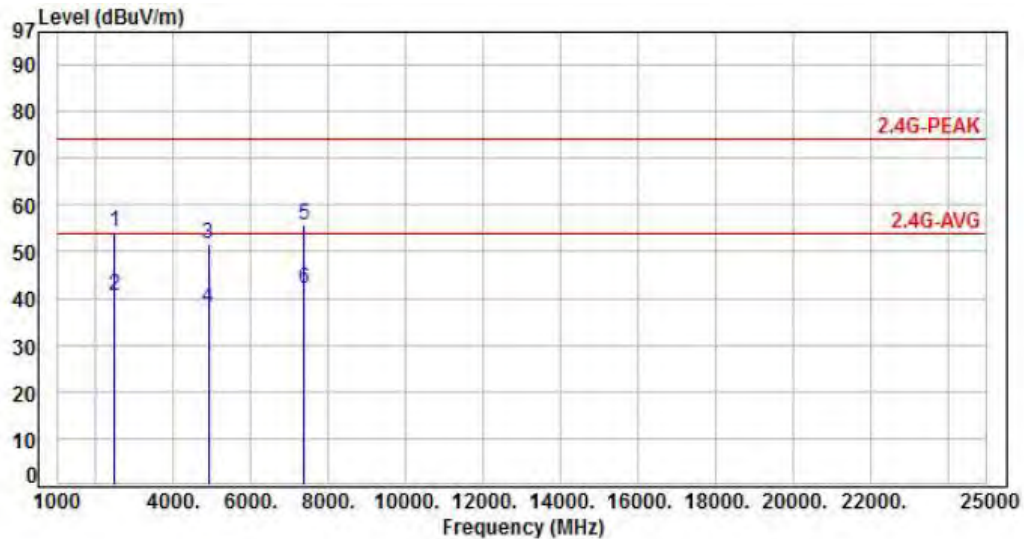
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC120V/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	-2.39	56.73	54.34	74.00	-19.66	Peak	100	121	P
2	2483.50	-2.39	43.03	40.64	54.00	-13.36	Average	100	121	P
3	4904.00	5.29	46.25	51.54	74.00	-22.46	Peak	100	281	P
4	4904.00	5.29	32.57	37.86	54.00	-16.14	Average	100	281	P
5	7356.00	10.11	45.73	55.84	74.00	-18.16	Peak	100	148	P
6	7356.00	10.11	32.10	42.21	54.00	-11.79	Average	100	148	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

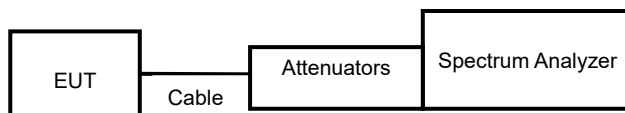
Below -20dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

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

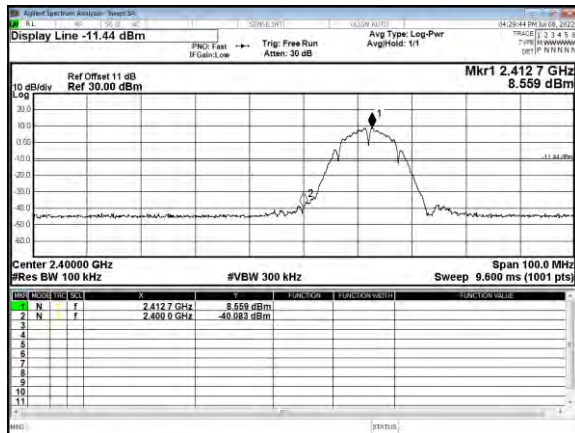
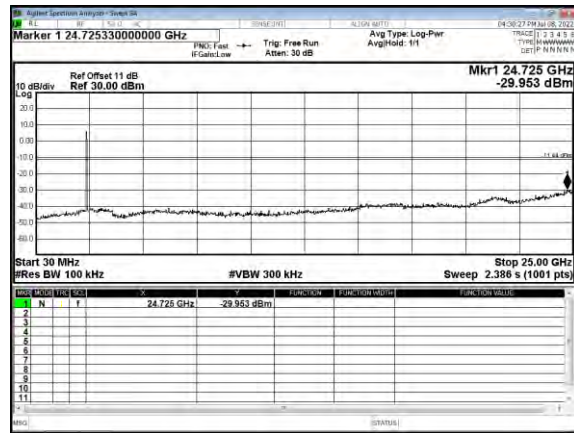
- The transmitter output was connected to the spectrum analyzer via a low loss cable.
- Set RBW of spectrum analyzer to 100 KHz and VBW of spectrum analyzer to 300 KHz with convenient frequency span including 100 KHz bandwidth from band edge.
- Peak conducted output power measured within any 100 kHz 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

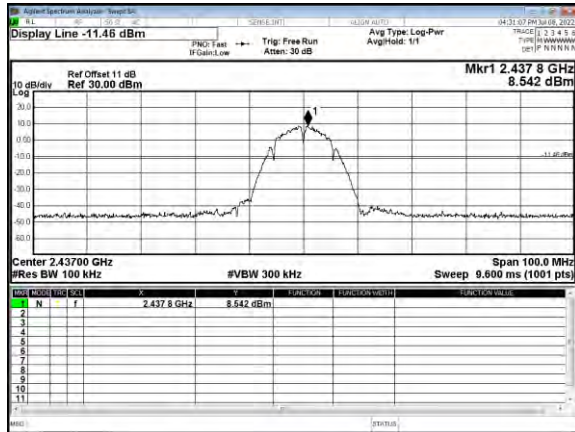


7.4 Test Result and Data

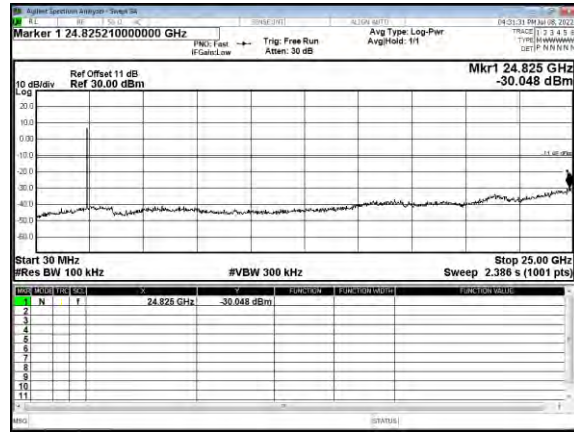
Note: Test plots refers to the following pages.

Modulation Type: 802.11b
CH01Modulation Type: 802.11b
CH01

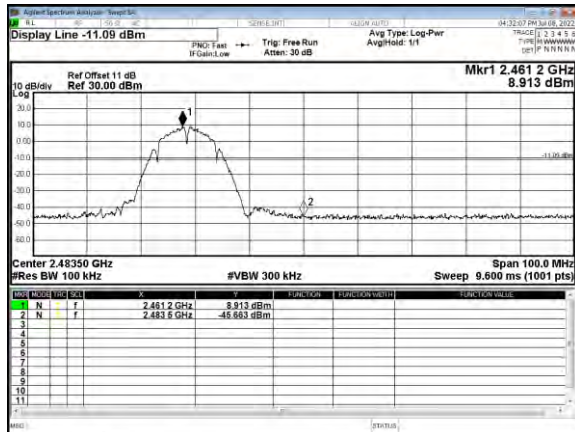
CH06



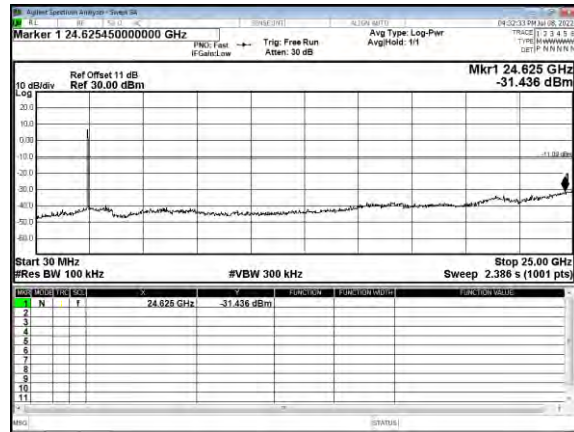
CH06

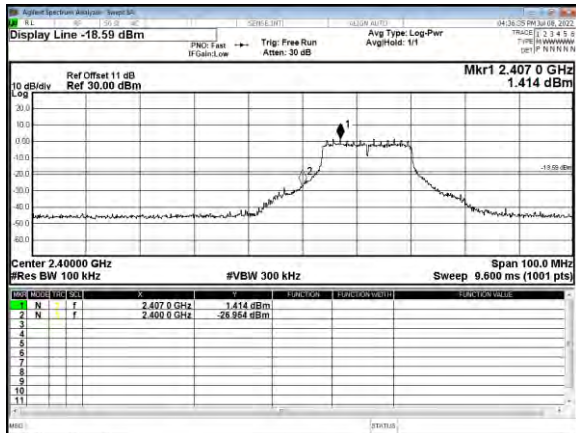
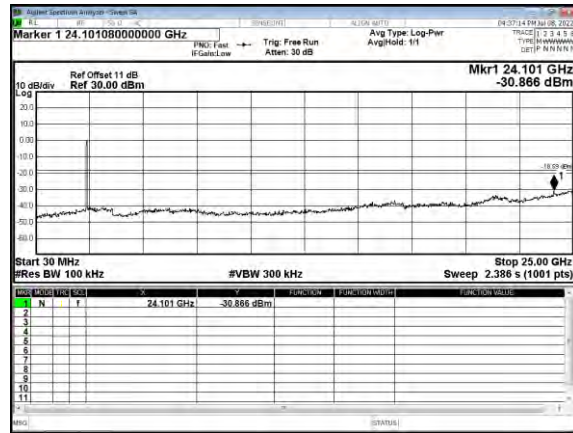


CH11

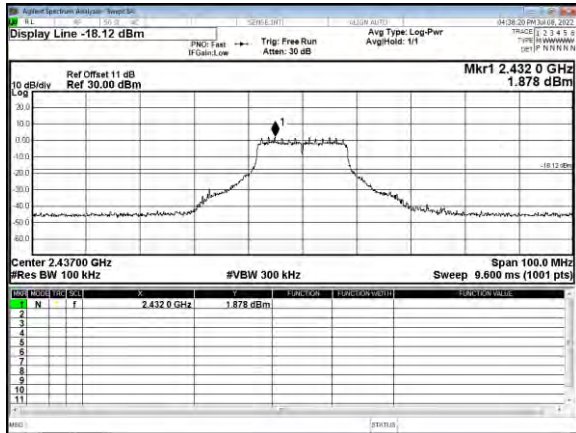


CH11

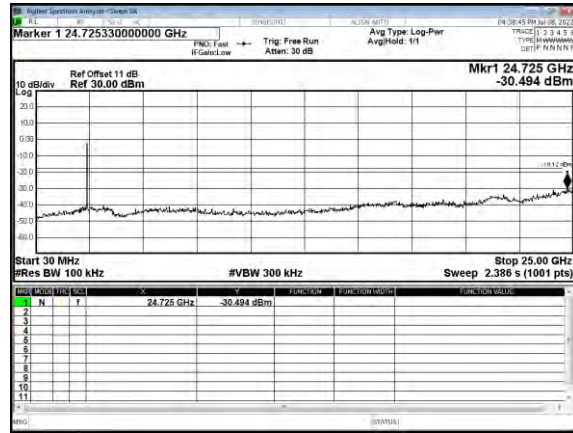


Modulation Type: 802.11g
CH01Modulation Type: 802.11g
CH01

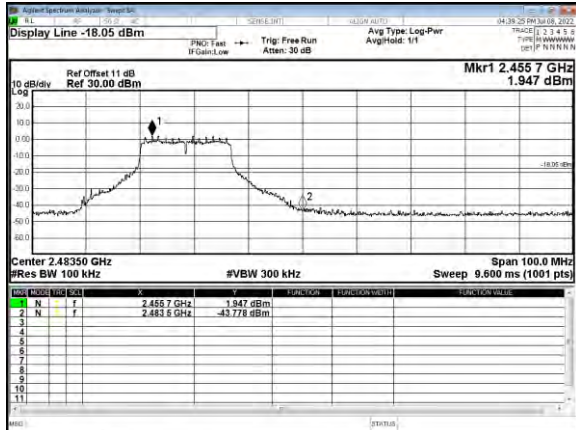
CH06



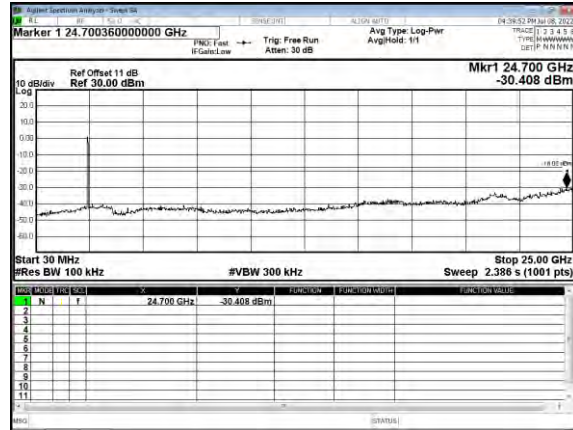
CH06

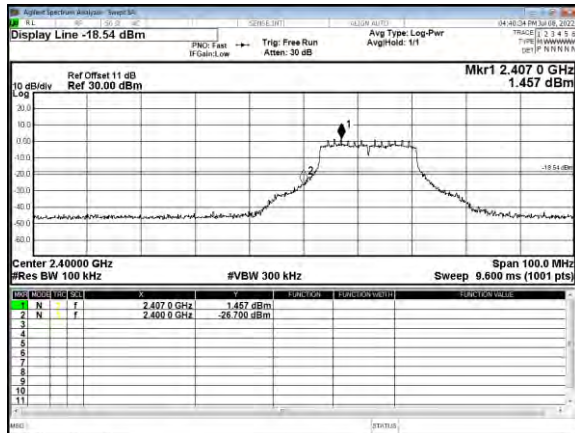


CH11

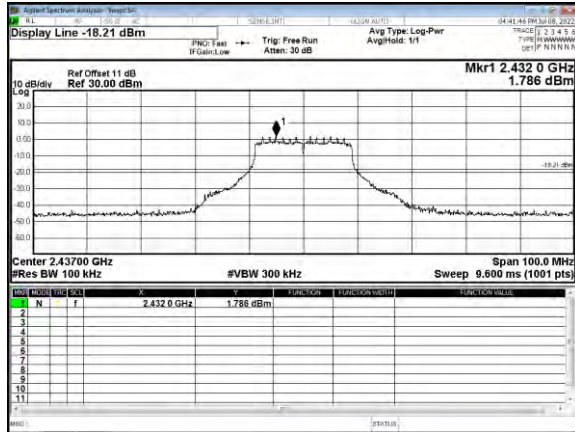


CH11

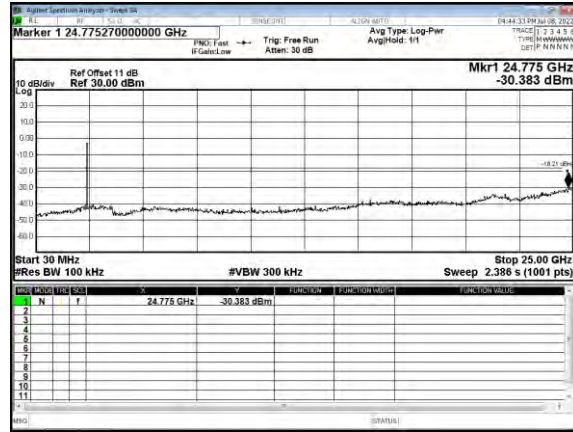


Modulation Type: 802.11n HT20
CH01Modulation Type: 802.11n HT20
CH01

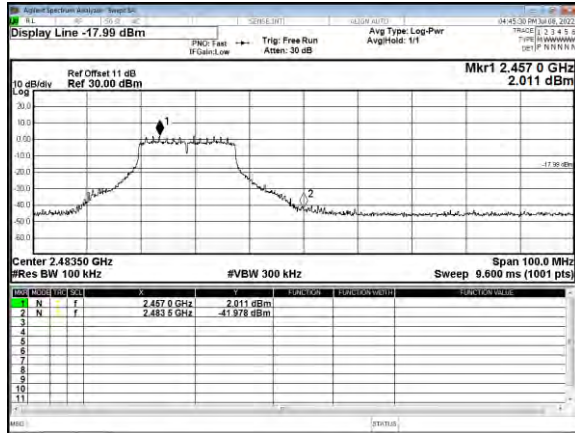
CH06



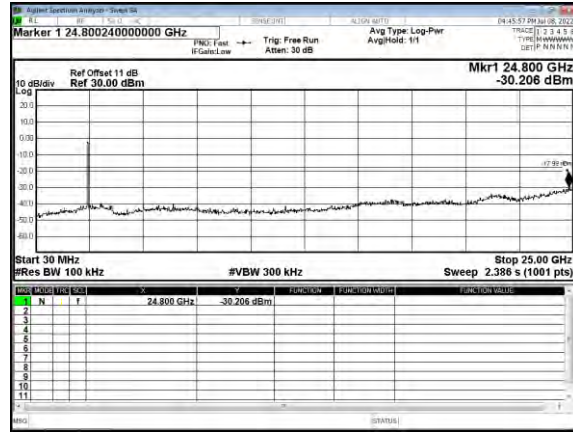
CH06

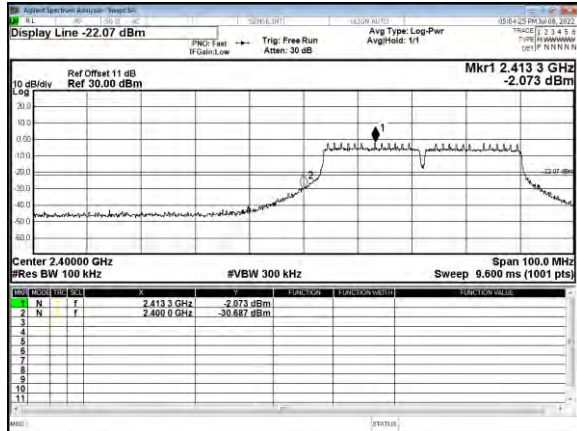
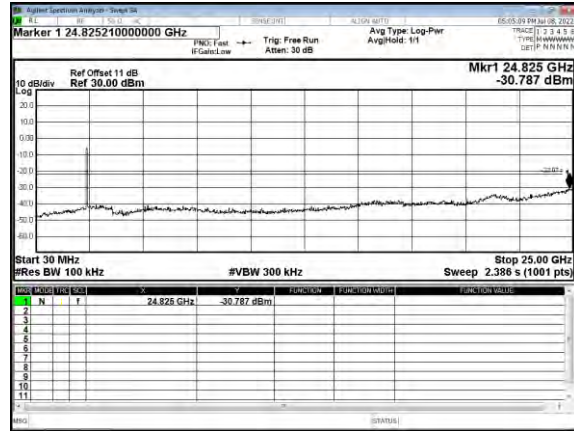


CH11

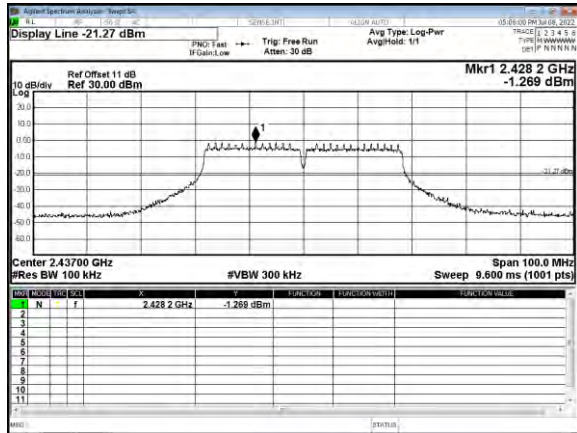


CH11

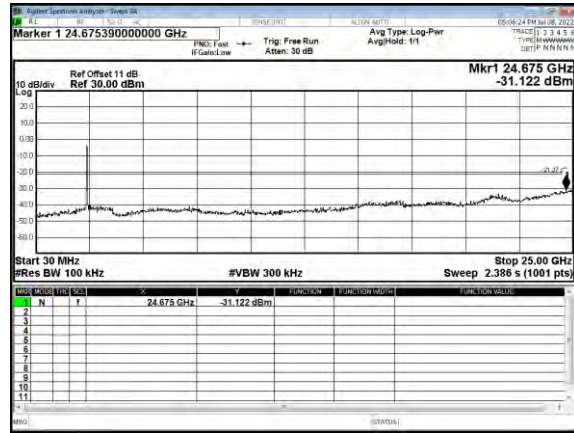


Modulation Type: 802.11n HT40
CH03Modulation Type: 802.11n HT40
CH03

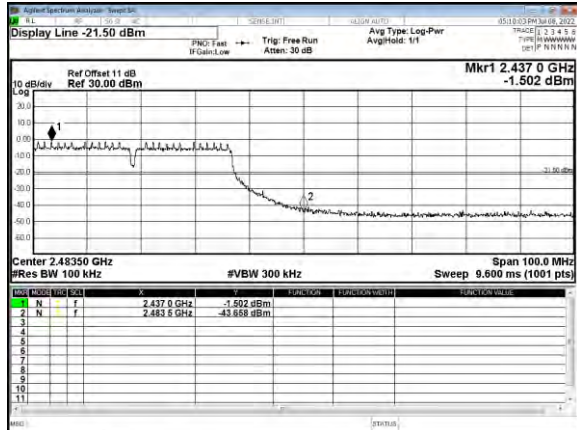
CH06



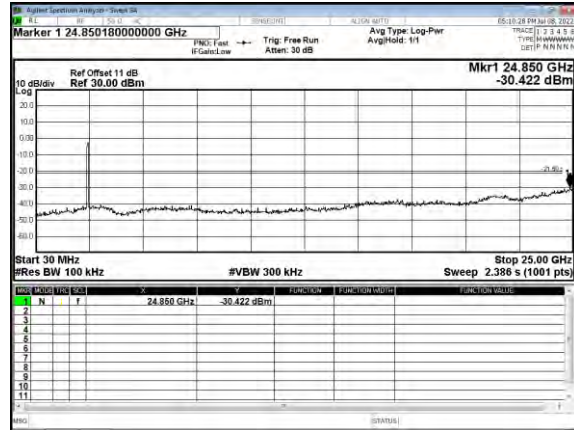
CH06

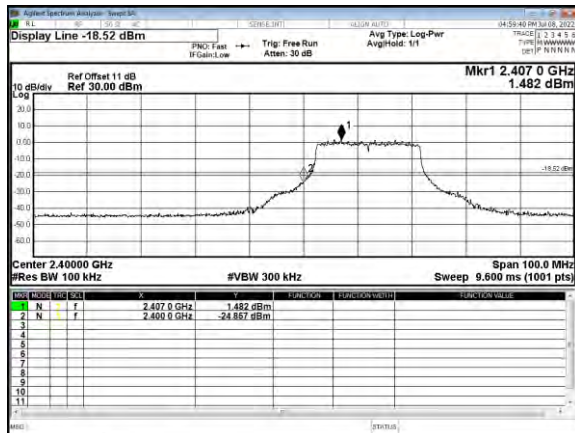
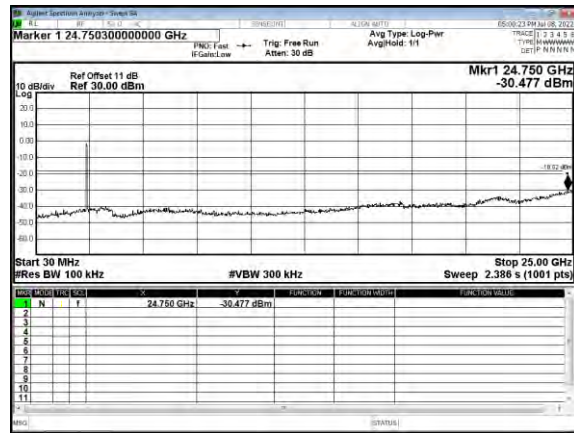


CH09

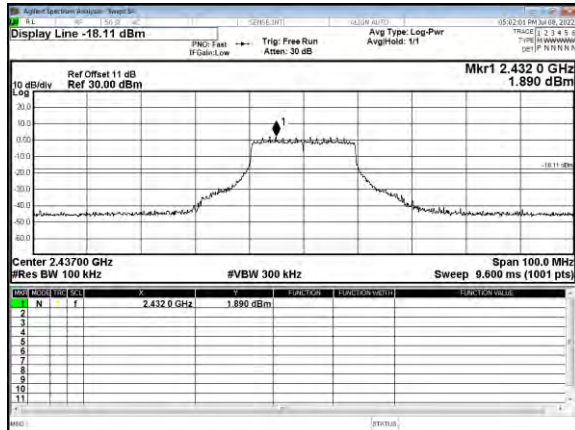


CH09

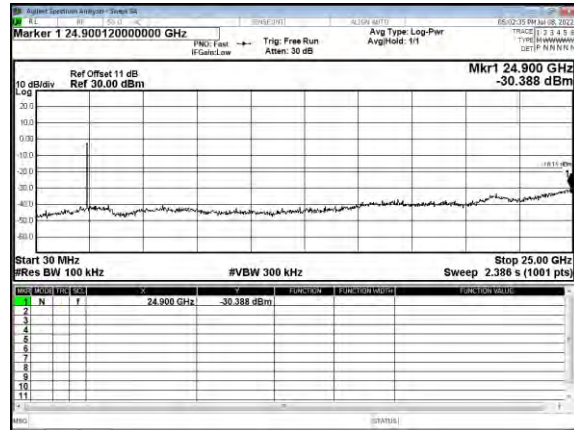


Modulation Type: 802.11ax HE20
CH01Modulation Type: 802.11ax HE20
CH01

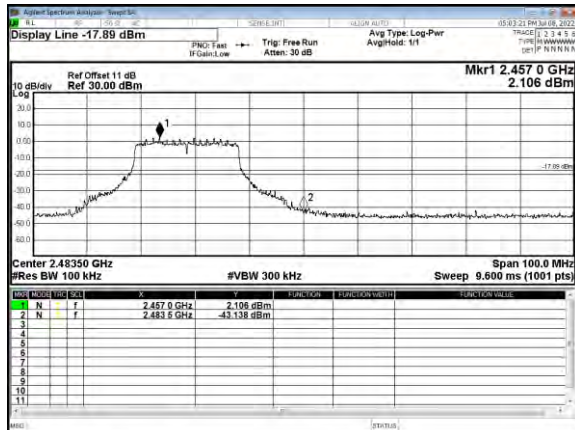
CH06



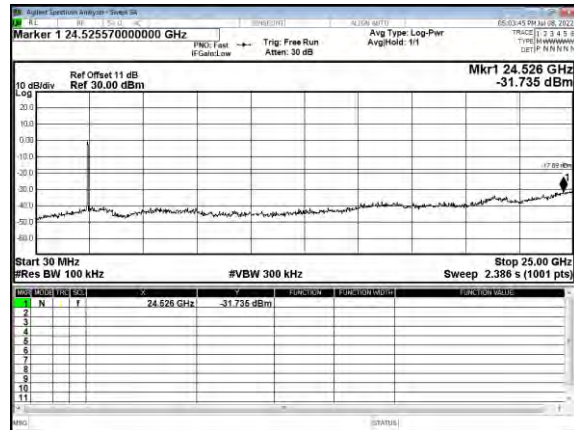
CH06

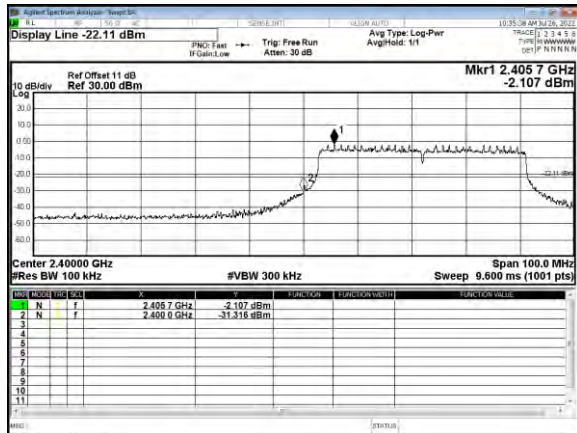
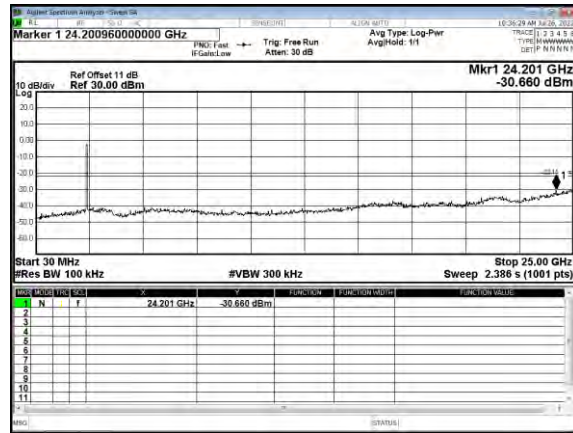


CH11

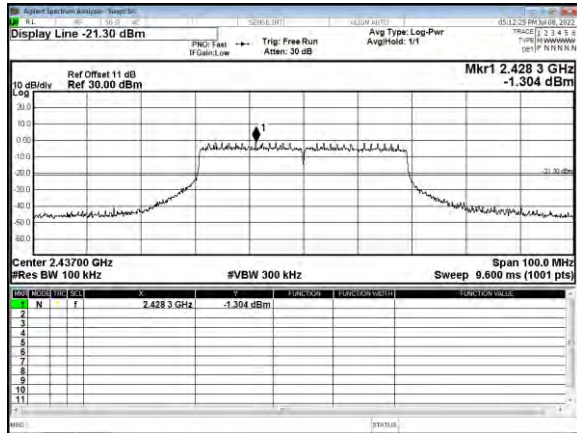


CH11

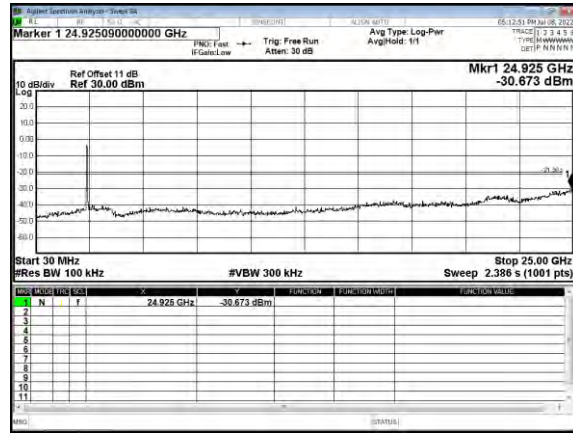


Modulation Type: 802.11ax HE40
CH03Modulation Type: 802.11ax HE40
CH03

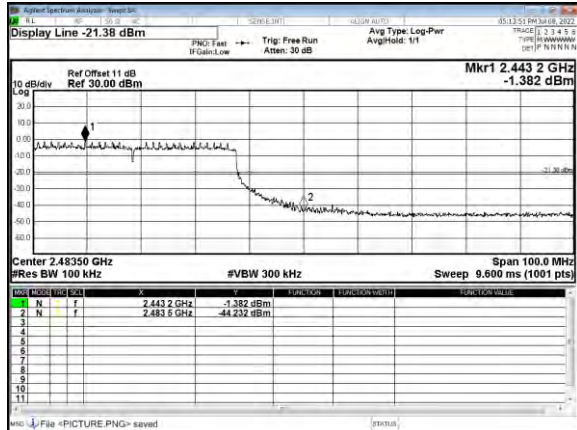
CH06



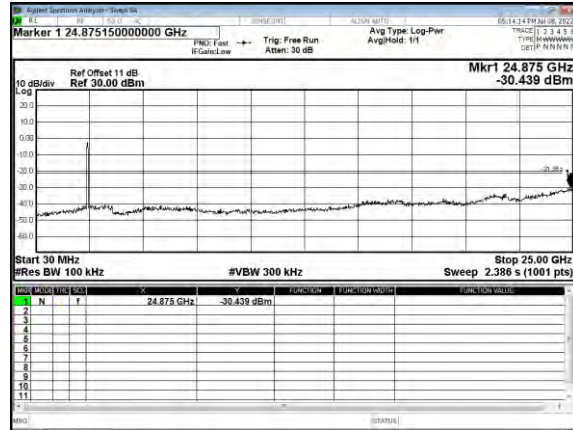
CH06



CH09



CH09





8. On Time, Duty Cycle and Measurement methods

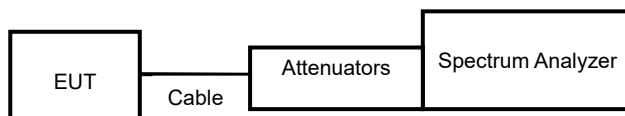
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

According to the methods defined in ANSI C63.10-2013 Section 11.6
Zero-Span Spectrum Analyzer Method.

8.3 Test Setup Layout

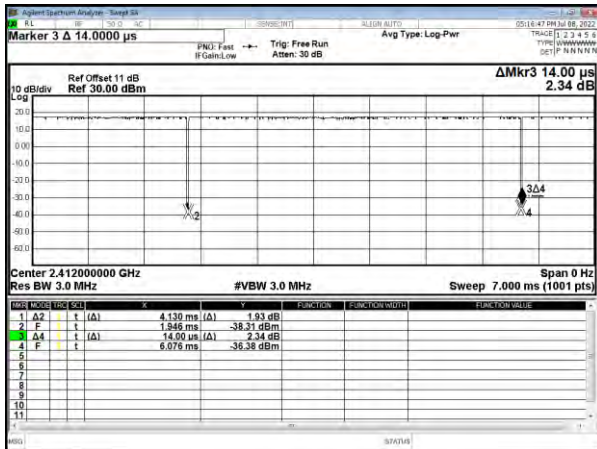


8.4 Test Result and Data

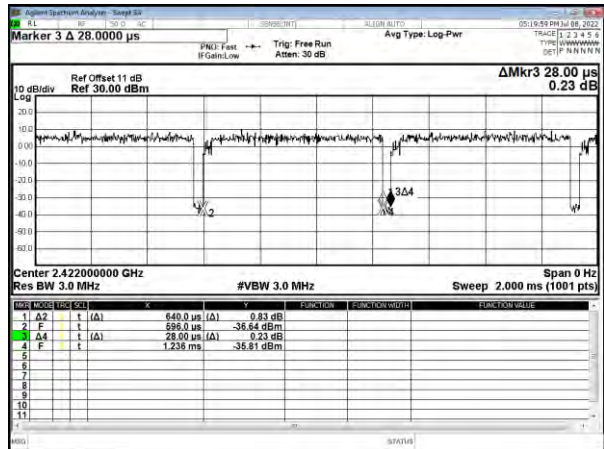
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
11b,1M	4.13	4.14	99.66%
11g,6M	1.37	1.40	97.99%
11n HT20	1.28	1.31	97.71%
11n HT40	0.64	0.67	95.81%
11ax HE20	1.00	1.02	97.27%
11ax HE40	0.52	0.55	94.55%



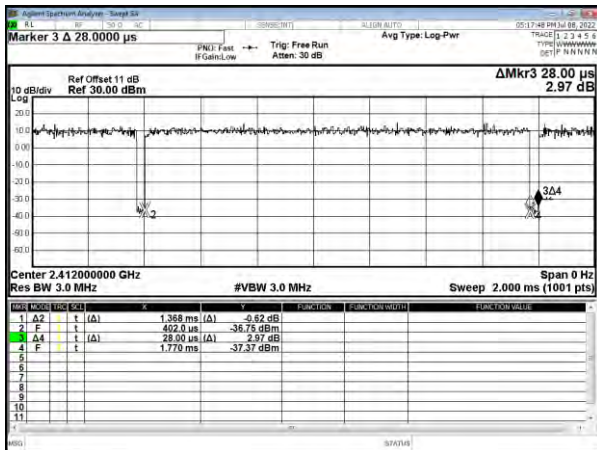
Modulation Type: 802.11b (1Mbps)



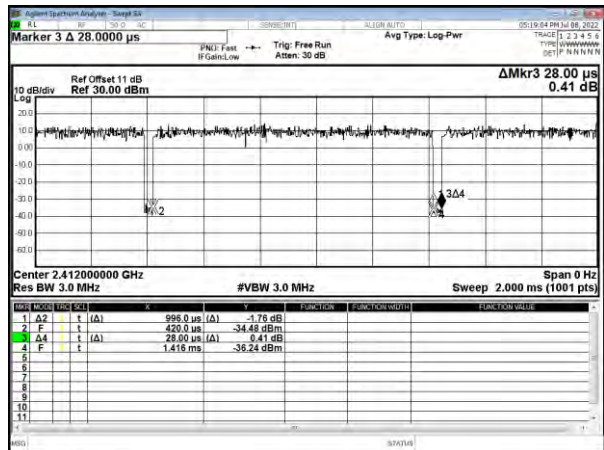
Modulation Type: 802.11n HT40 (13.5Mbps)



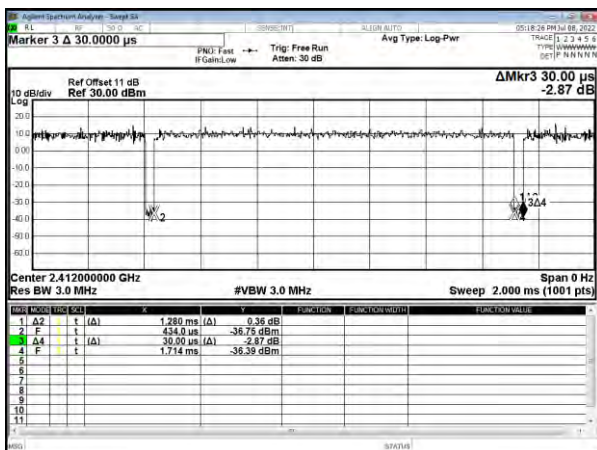
Modulation Type: 802.11g (6Mbps)



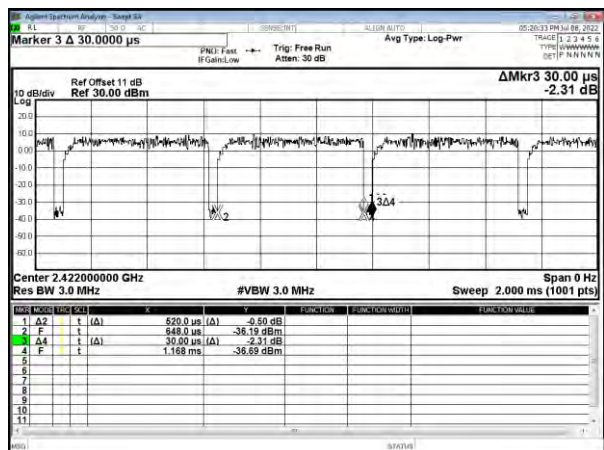
Modulation Type: 802.11ax HE20 (7.3Mbps)



Modulation Type: 802.11n HT20 (6.5Mbps)



Modulation Type: 802.11ax HE40 (14.6Mbps)





9. 6dB Bandwidth Measurement Data

9.1 Test Limit

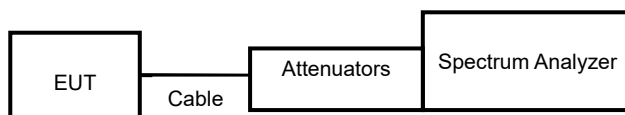
The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.8

- The transmitter output was connected to the spectrum analyzer.
- Set RBW of spectrum analyzer to 100 KHz and VBW to 300 KHz.
- The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.
- The 6dB Bandwidth was measured and recorded.

9.3 Test Setup Layout

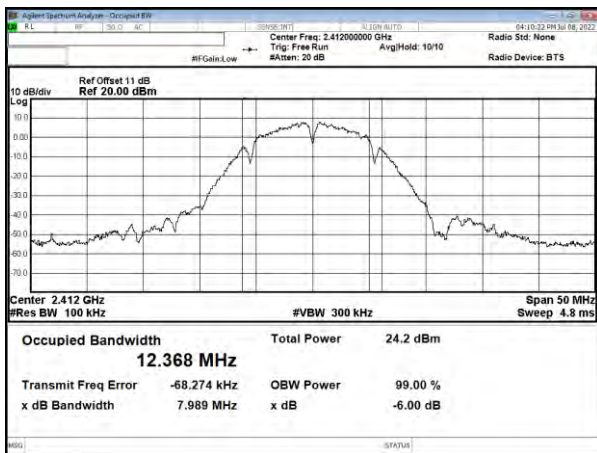


9.4 Test Result and Data

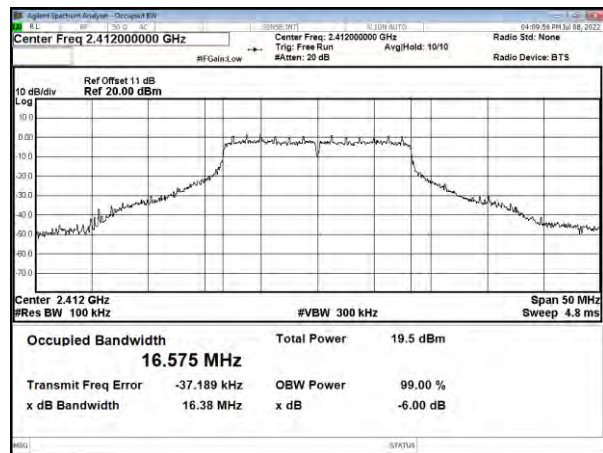
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
11b	1	2412	7.99	0.5
	6	2437	7.67	0.5
	11	2462	7.70	0.5
11g	1	2412	16.38	0.5
	6	2437	16.39	0.5
	11	2462	16.40	0.5
11n HT20	1	2412	17.61	0.5
	6	2437	17.62	0.5
	11	2462	17.62	0.5
11n HT40	3	2422	36.35	0.5
	6	2437	36.34	0.5
	9	2452	36.36	0.5
11ax HE20	1	2412	19.04	0.5
	6	2437	19.03	0.5
	11	2462	19.00	0.5
11ax HE40	3	2422	37.99	0.5
	6	2437	38.15	0.5
	9	2452	38.11	0.5



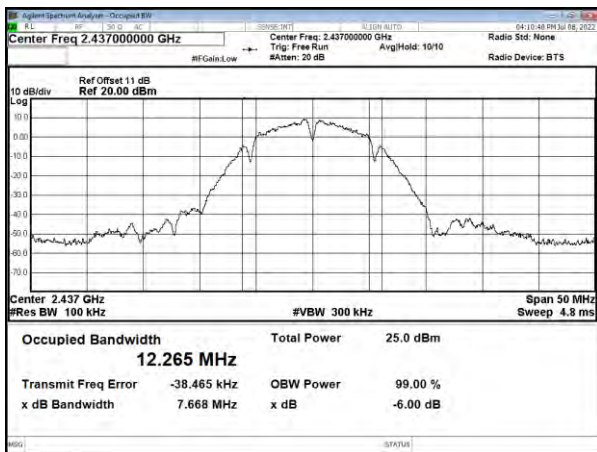
6dB Bandwidth
Modulation Type: 802.11b
CH01



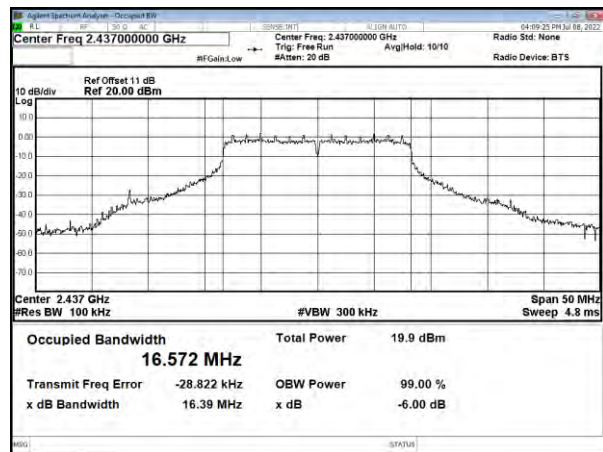
Modulation Type: 802.11g
CH01



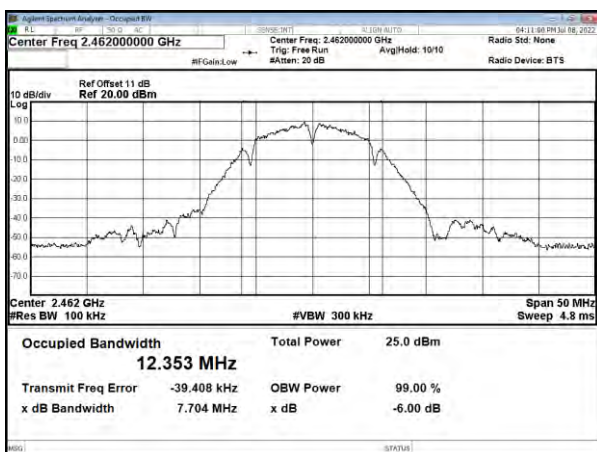
CH06



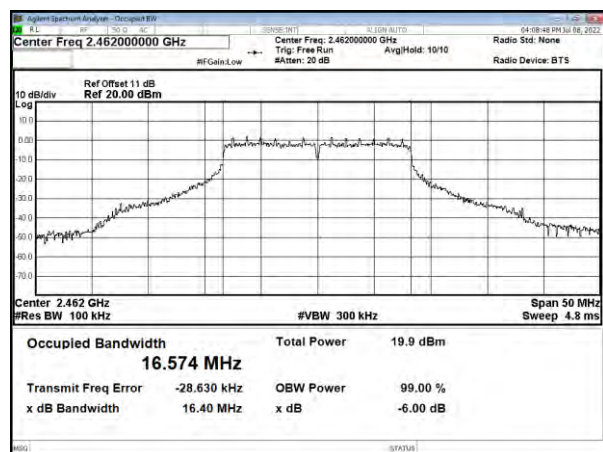
CH06



CH11

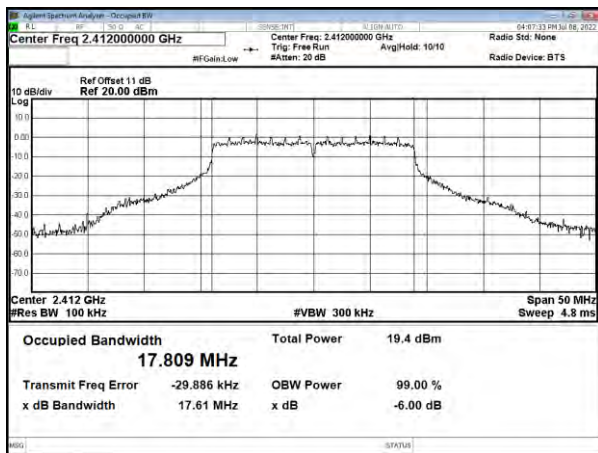


CH11

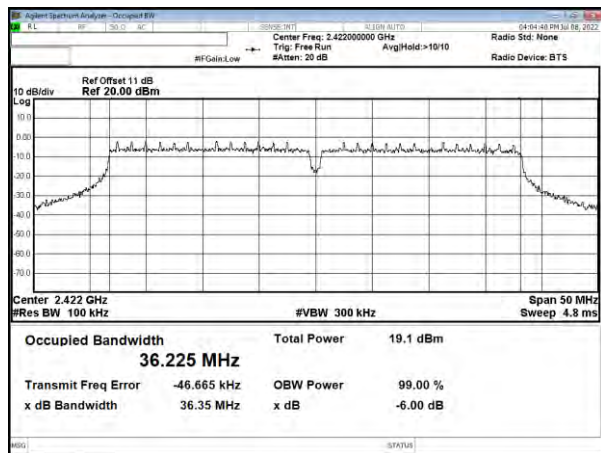




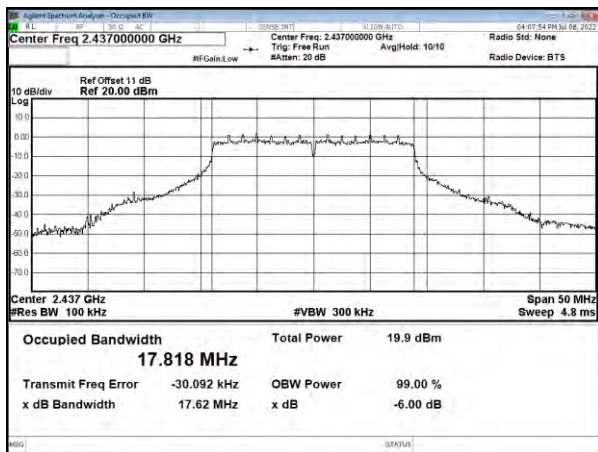
Modulation Type: 802.11n HT20
CH01



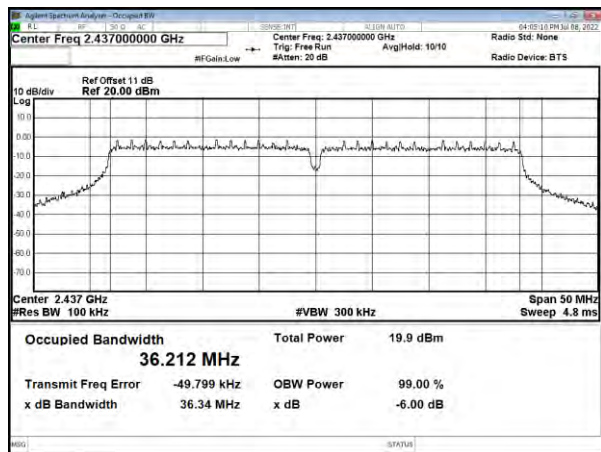
Modulation Type: 802.11n HT40
CH03



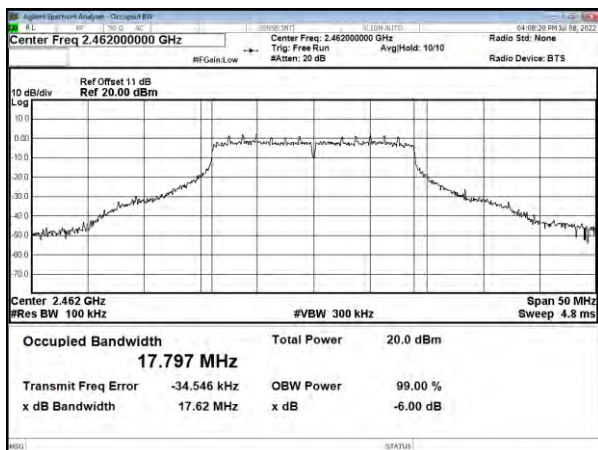
CH06



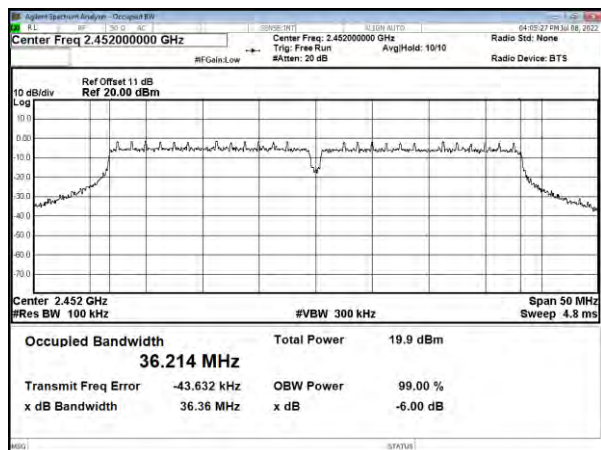
CH06



CH11

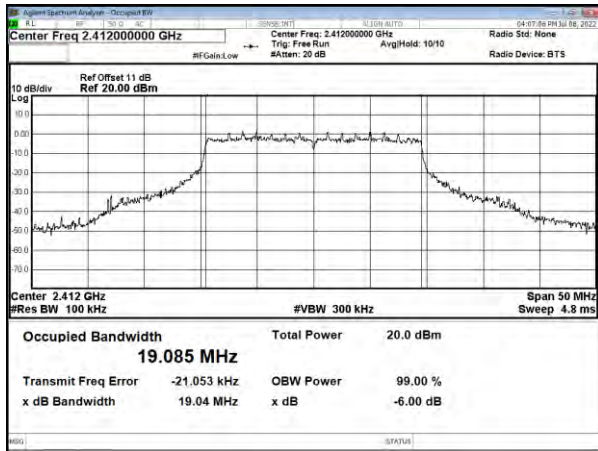


CH09

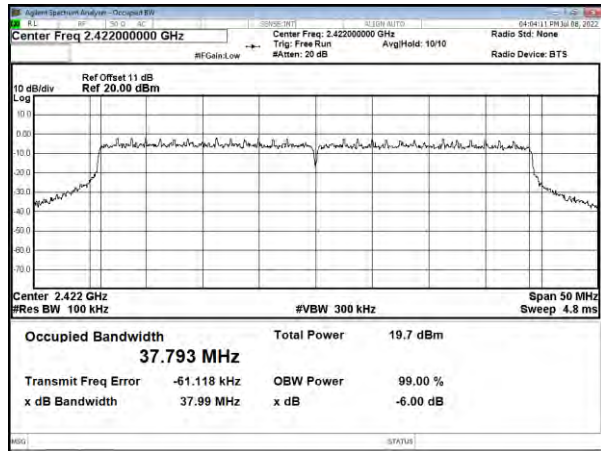




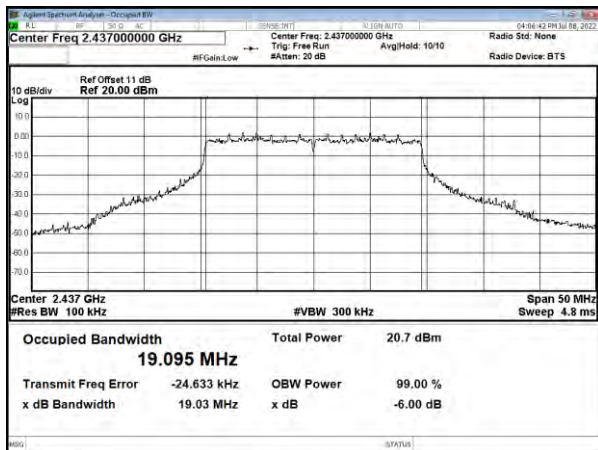
Modulation Type: 802.11ax HE20
CH01



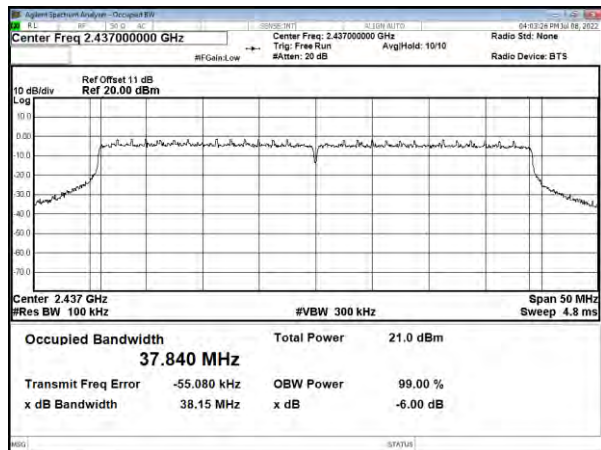
Modulation Type: 802.11ax HE40
CH03



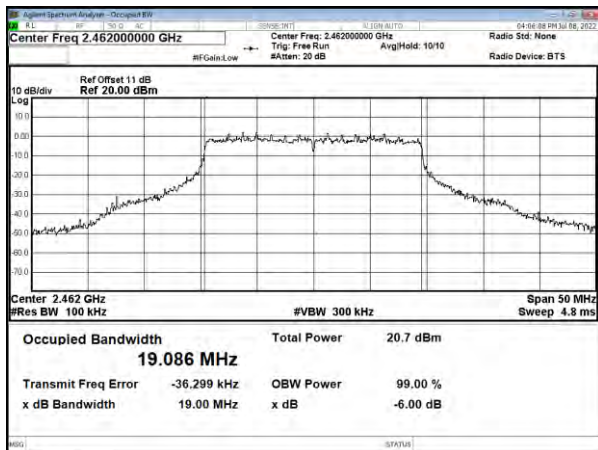
CH06



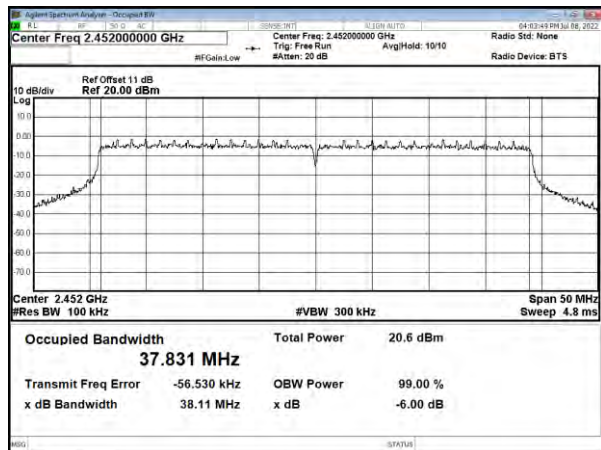
CH06



CH11



CH09





10. Maximum Peak Output Power

10.1 Test Limit

The Maximum Peak Output Power Measurement is 30dBm.

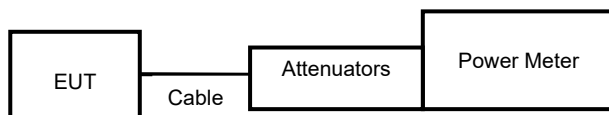
If transmitting antennas of directional gain greater than 6 dBi are used, the average output power shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi

10.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.9.2.3.2

The antenna port (RF output) of the EUT was connected to the input (RF input) of a power meter. Power was read directly from the meter and cable loss connection was added to the reading to obtain power at the EUT antenna terminal. The EUT Output Power was set to maximum to produce the worse case test result.

10.3 Test Setup Layout





10.4 Test Result and Data

Setting	Modulation Mode	Channel	Frequency (MHz)	Conducted(Peak) output power (dBm)	Conducted(Peak) output power (mW)	Powe Limit (dBm)
Default	11b	1	2412	19.66	92.470	30.00
Default		6	2437	20.23	105.439	30.00
Default		11	2462	20.33	107.895	30.00
Default	11g	1	2412	20.48	111.686	30.00
Default		6	2437	20.71	117.761	30.00
Default		11	2462	20.66	116.413	30.00
Default	11n HT20	1	2412	20.14	103.276	30.00
Default		6	2437	20.64	115.878	30.00
Default		11	2462	20.75	118.850	30.00
Default	11n HT40	3	2422	19.79	95.280	30.00
Default		6	2437	20.50	112.202	30.00
Default		9	2452	20.52	112.720	30.00
Default	11ax HE20	1	2412	21.49	140.929	30.00
Default		6	2437	21.82	152.055	30.00
Default		11	2462	21.86	153.462	30.00
Default	11ax HE40	3	2422	21.02	126.474	30.00
Default		6	2437	21.74	149.279	30.00
Default		9	2452	21.58	143.880	30.00



11. Power Spectral Density

11.1 Test Limit

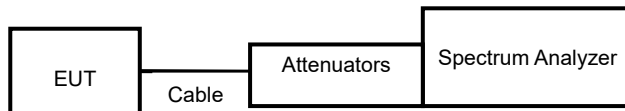
The Maximum of Power Spectral Density Measurement is 8dBm.

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

11.2 Test Procedures

According to the methods defined in ANSI C63.10-2013 Section 11.10

11.3 Test Setup Layout

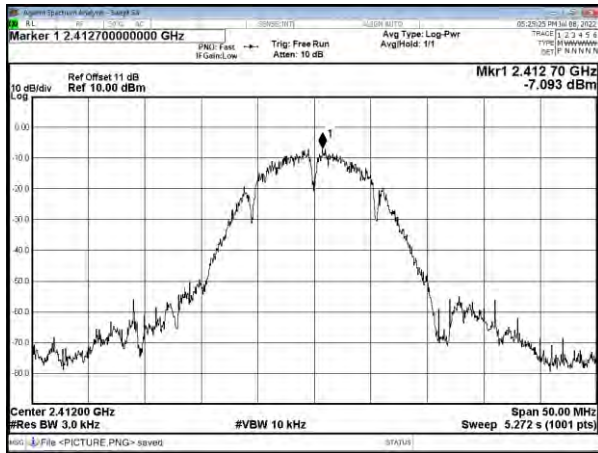


11.4 Test Result and Data

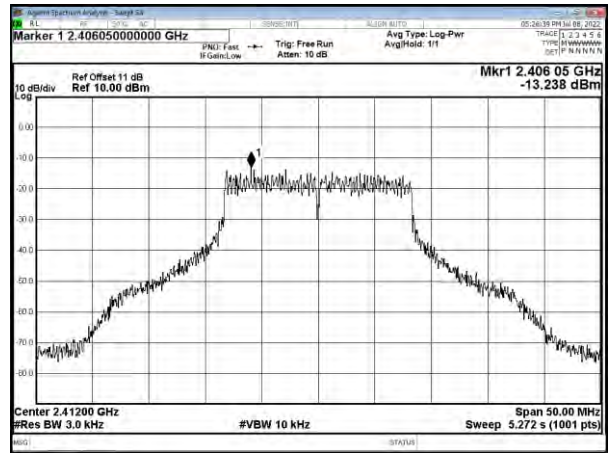
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3KHz Bandwidth(dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit (dBm)
11b	1	2412	-7.09	0.00	-7.09	8.00
	6	2437	-5.74	0.00	-5.74	8.00
	11	2462	-5.33	0.00	-5.33	8.00
11g	1	2412	-13.24	0.00	-13.24	8.00
	6	2437	-13.90	0.00	-13.90	8.00
	11	2462	-13.25	0.00	-13.25	8.00
11n HT20	1	2412	-13.73	0.00	-13.73	8.00
	6	2437	-12.48	0.00	-12.48	8.00
	11	2462	-13.07	0.00	-13.07	8.00
11n HT40	3	2422	-17.49	0.00	-17.49	8.00
	6	2437	-15.32	0.00	-15.32	8.00
	9	2452	-15.37	0.00	-15.37	8.00
11ax HE20	1	2412	-15.15	0.00	-15.15	8.00
	6	2437	-13.50	0.00	-13.50	8.00
	11	2462	-13.27	0.00	-13.27	8.00
11ax HE40	3	2422	-17.37	0.00	-17.37	8.00
	6	2437	-17.51	0.00	-17.51	8.00
	9	2452	-17.18	0.00	-17.18	8.00



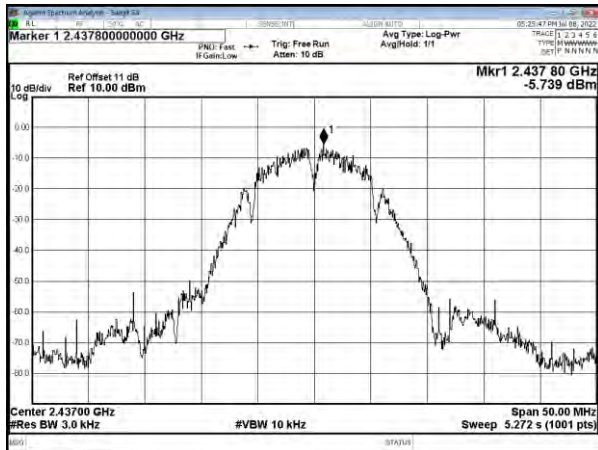
Modulation Type: 802.11b
CH01



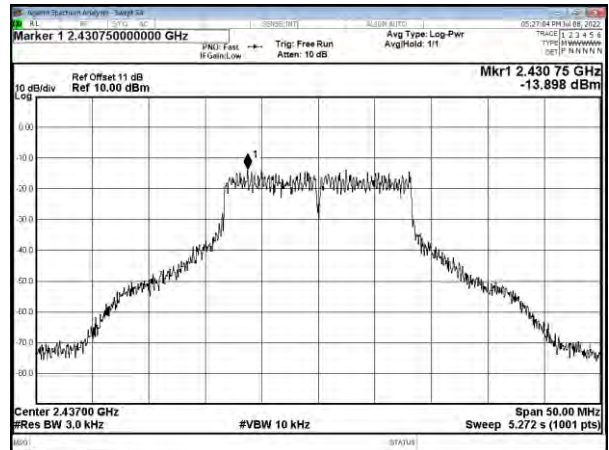
Modulation Type: 802.11g
CH01



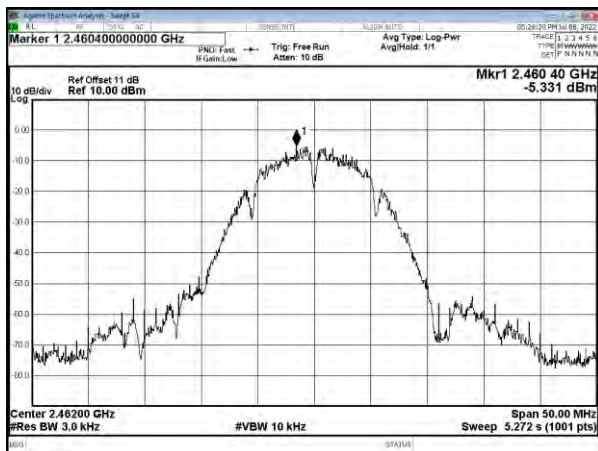
CH06



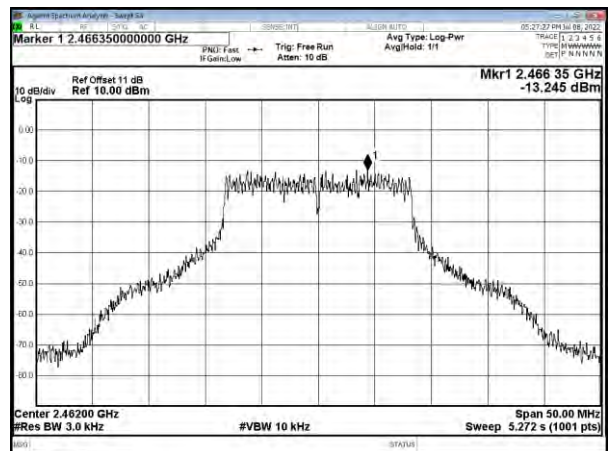
CH06



CH11

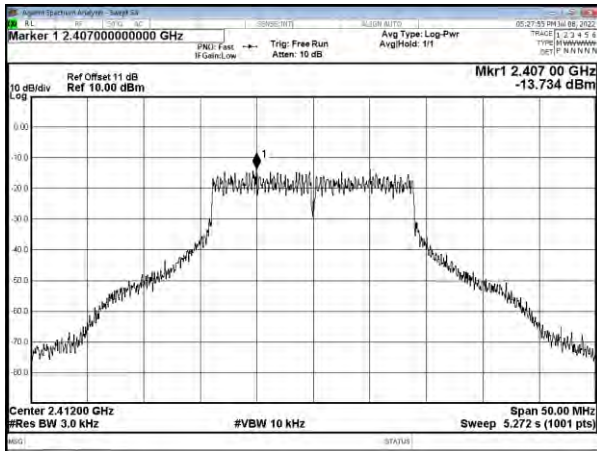


CH11

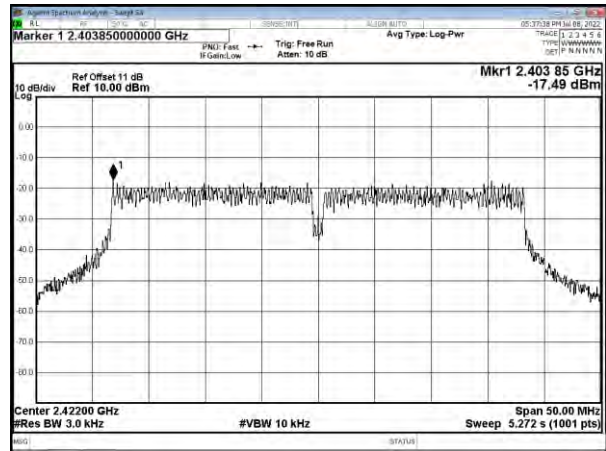




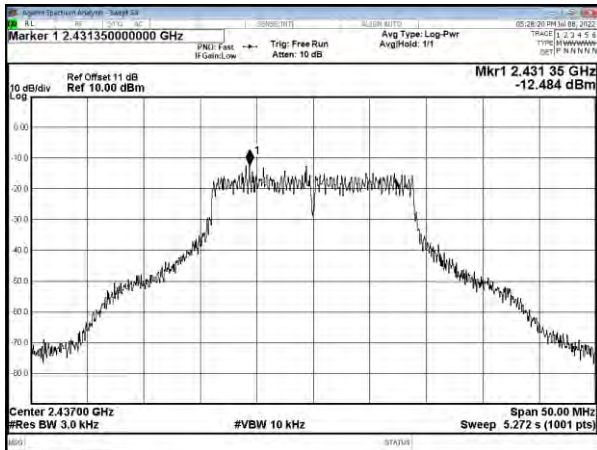
Modulation Type: 802.11n HT20
CH01



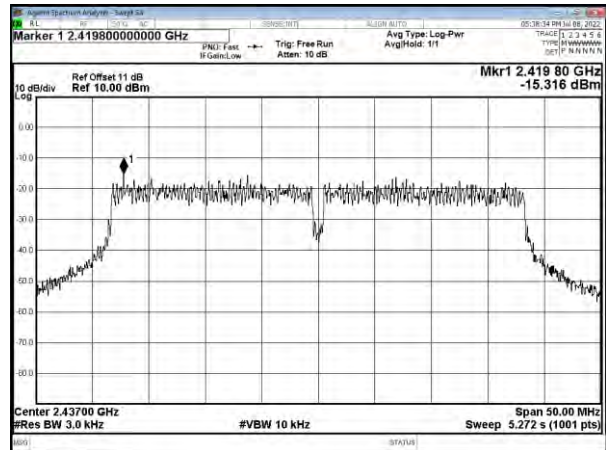
Modulation Type: 802.11n HT40
CH03



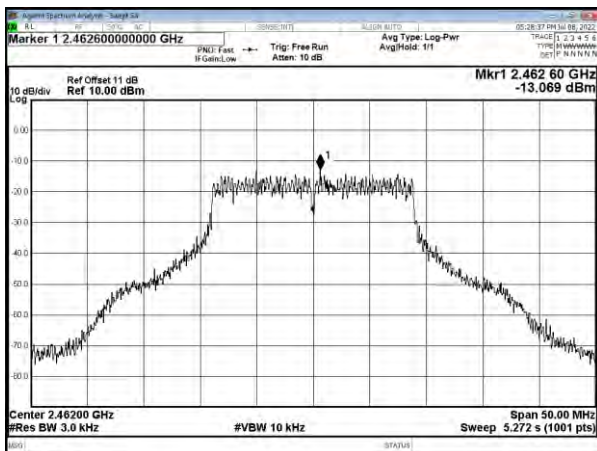
CH06



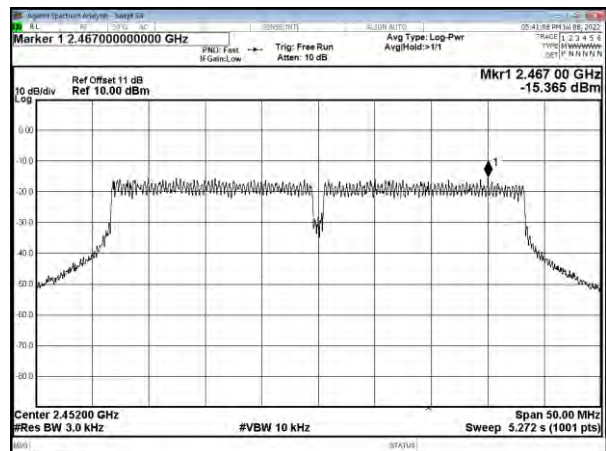
CH06



CH11

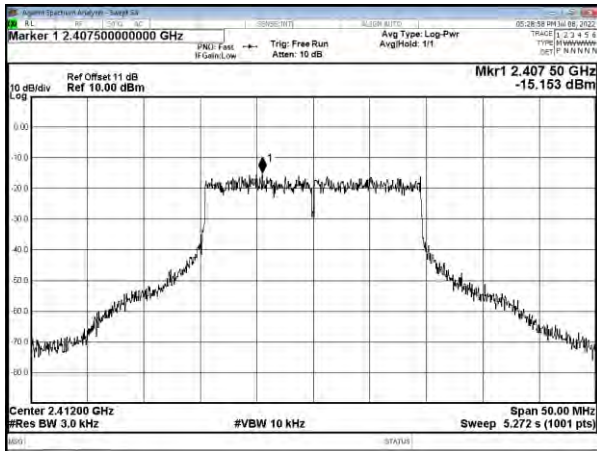


CH09

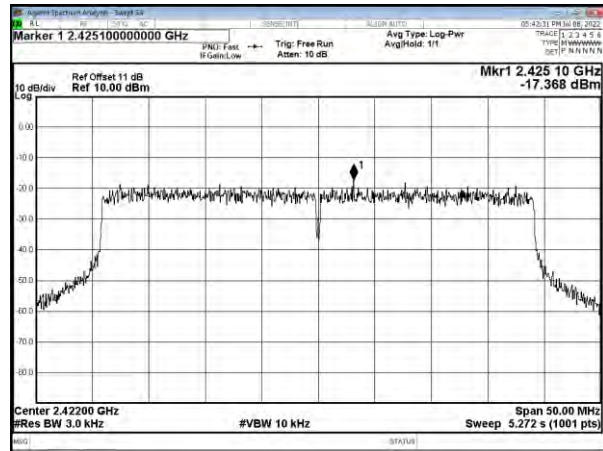




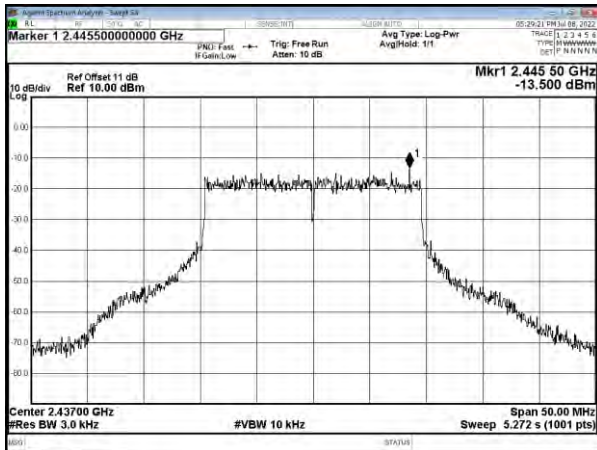
Modulation Type: 802. 11ax HE20
CH01



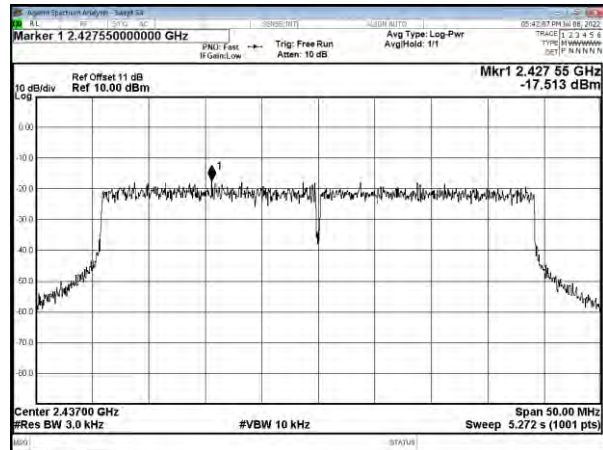
Modulation Type: 802. 11ax HE40
CH03



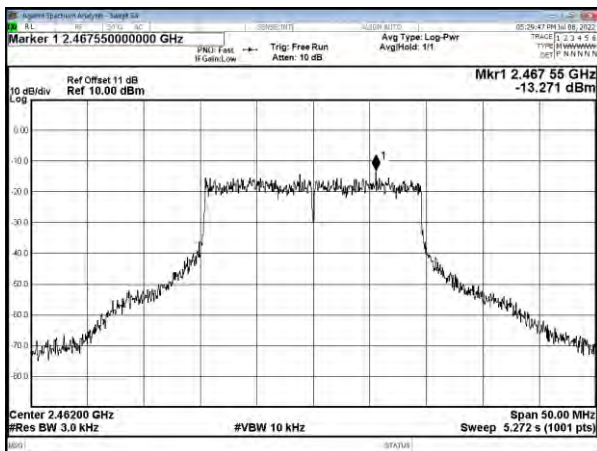
CH06



CH06



CH11



CH09

