



FCC RADIO TEST REPORT

Applicant : Micro-Star Int'l Co.,Ltd.
Address : No.69, Lide St., Zhonghe Dist. New Taipei City 235
: Taiwan
Equipment : AX1800 WiFi USB Adapter
Model No. : GUAX18
Trade Name : msi
FCC ID : I4L-GUAX18

I HEREBY CERTIFY THAT :

The sample was received on May. 04, 2022 and the testing was completed on Jun. 30, 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
22050012-TRFCC01	Aug. 01, 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.

*This EUT has been also tested and compiled with the requirement of FCC Part 15, Subpart B, recorded in a separate test report(22050012-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: 2412MHz-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(Turbo QAM) 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM, 1024QAM 5GHz: 802.11a/n: 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, VHT20/40/80 802.11ax: MCS0 – MCS11, HE20/40/80
Antenna Type	PCB Antenna
Antenna Gain	2400-2490MHz: ANT A: 3.30 dBi, ANT B: 4.50 dBi 5150-5250MHz: ANT A: 4.40 dBi, ANT B: 4.50 dBi 5250-5350MHz: ANT A: 4.10 dBi, ANT B: 4.50 dBi 5470-5725MHz: ANT A: 3.50 dBi, ANT B: 5.40 dBi 5725-5850MHz: ANT A: 3.60 dBi, ANT B: 5.00 dBi
USB cradle	Brand: msi, Model: GUAX18D

Note:

1. EUT support TPC Function.
2. EUT support Client mode without radar detection.
3. 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

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- b. The complete test system included remote workstation and EUT for RF test. The remote workstation included Notebook.
- c. An executive program, " AX Series MP Toolkit ver. 1.0.46" under Windows OS system was executed to transmit and receive data via WLAN.
- d. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	Normal Mode ,From System (240V/60Hz) USB cradle
2	Normal Mode ,From System (240V/60Hz)
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiation Emissions (Below 1GHz)	
Test Mode	Operating Description
1	Normal Mode ,From System (240V/60Hz) USB cradle
2	Normal Mode ,From System (240V/60Hz)
caused "Test Mode 1" generated the worst case, they were 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	VHT20 (6.5Mbps) , From System (120V/60Hz)
6	VHT40 (13.5Mbps) , From System (120V/60Hz)
7	802.11ax HE20 (7.3Mbps) , From System (120V/60Hz)
8	802.11ax HE40 (14.6Mbps) , From System (120V/60Hz)
caused "Test Mode 1,2,7,8" generated the worst case, they were reported as the final data.	

Note:

- 1. There are two kinds of test voltage: AC 120V / 60Hz and AC 240V / 60Hz.
 For AC Power Line Conducted Emission, AC 240V / 60Hz is worst case.
 For Radiated Spurious Emission(Below 1GHz), AC 240V / 60Hz is worst case.
 For Radiated Spurious Emission(1GHz ~ 25GHz), AC 120V / 60Hz is worst case.

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 HT20(TurboQAM)	2TX
802.11n HT40(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	N/A
USB Cable(A to B)	BENEVO	BUSB0301AMFB	0.8m / NS	N/A
Radiated Emissions(Above 1G)				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	DELL	Latitude E5270	N/A	Adapter / 1.8m / NS
USB Cable(A to B)	BENEVO	BUSB0301AMFB	0.8m / NS	N/A
Radiated Emissions(Below 1G)				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	L440	N/A	Adapter / 1.8m / NS
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	DELL	Latitude E5270	N/A	Adapter / 1.8m / NS

**2.5 General Information of Test**

Test Site	CerpPASS 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	2022/6/24~2022/06/30	22~27°C / 42~46%	Dian Chen
Radiated Emissions	3M02-NK	2022/05/06~2022/06/21	19~23°C / 43~51%	Dian Chen
AC Power Line Conducted Emission	CON01-NK	2022/06/17	22°C / 54%	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	2021/06/10	2022/06/09
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	ESCI	101423	2021/06/30	2022/06/29
Spectrum Analyzer	ROHDE & SCHWARZ	FSV 40-N	102151	2021/08/06	2022/08/05
Preamplifier	Agilent	8449B	3008A01954	2022/03/17	2023/03/16
Preamplifier	EM Electronics corp.	EM330	60658	2021/10/13	2022/10/12
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130605	2021/09/22	2022/09/21
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1315	2022/03/21	2023/03/20
Cable-3in1(30M-1G)	HARBOUR INDUSTRIES	LL142	CCE1316	2022/01/11	2023/01/10
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-6m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY5740/2	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-3m(1G-26.5G)	WOKEN	WCBA-WCA203SM	CCE1374	2022/04/25	2023/04/24
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA

Test Item	RF Conducted				
Test Site	RFCON01-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 40	100047	2022/03/04	2023/03/03
Attenuator	KEYSIGHT	8491B	MY39250703	2022/04/12	2023/04/11
Cable-0.5m(1G-26.5G)	HUBER SUHNER	SUCOFLEX 102	28422/2	2022/04/09	2023/04/08
Power Meter	Anritsu	ML2495A	1224005	2022/04/12	2023/04/11
Power Sensor	Anritsu	MA2411B	1207295	2022/04/12	2023/04/11
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	PCB Antenna
Antenna Gain	2400-2490MHz: ANT A: 3.30 dBi, ANT B: 4.50 dBi

2400-2490MHz

For Power directional gain= $G_{ant}= 4.5$ dBi

For PSD directional gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{GN/20})^2 / N_{ANT}]$
= 6.93 dBi

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



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

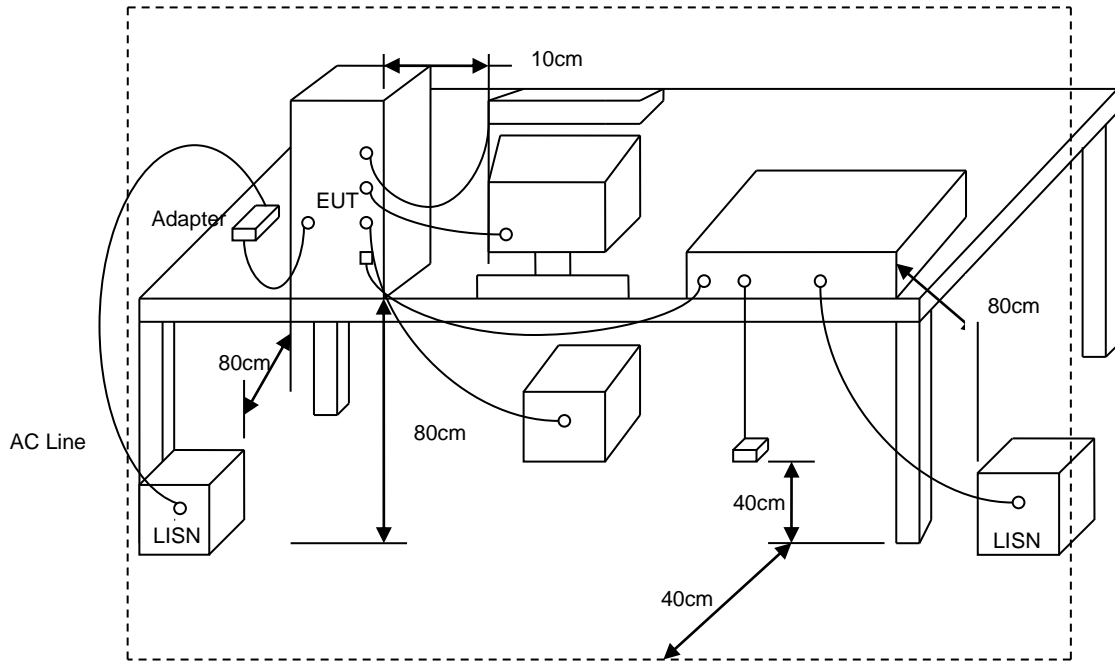
*Decreases with the logarithm of the frequency.

5.2 Test Procedures

- a. 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.
- b. Connect EUT to the power mains through a line impedance stabilization network (LISN).
- c. All the support units are connecting to the other LISN.
- d. The LISN provides 50 ohm coupling impedance for the measuring instrument.
- e. The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- f. Both sides of AC line were checked for maximum conducted interference.
- g. The frequency range from 150 kHz to 30 MHz was searched.
- h. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



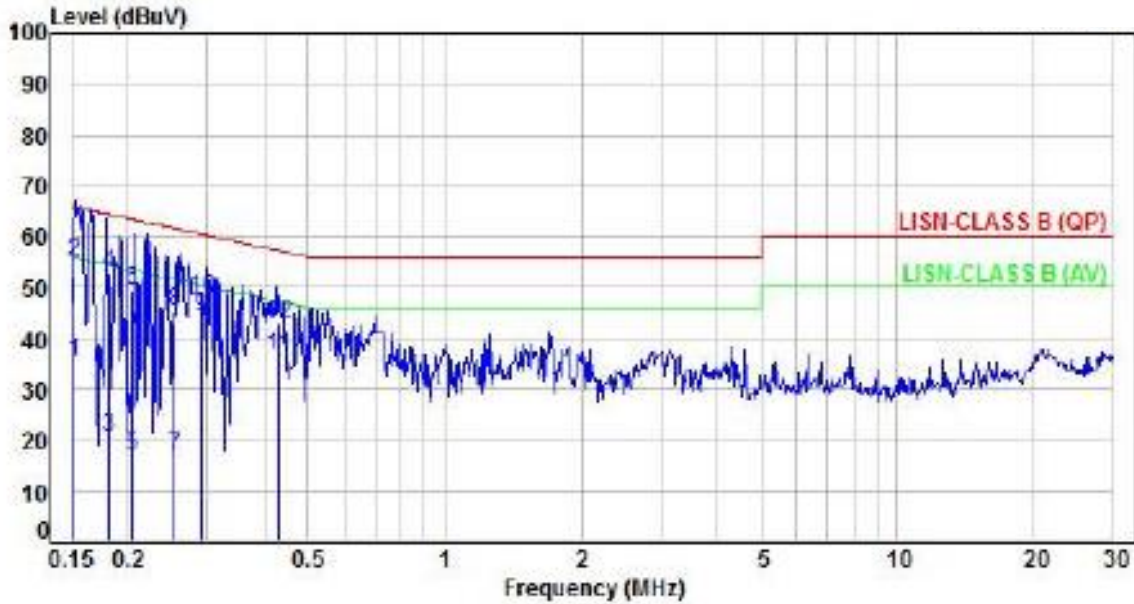
5.3 Typical Test Setup





5.4 Test Result and Data

Power	: From System (AC 240V / 60Hz)	Pol/Phase	: LINE
Test Mode	: Mode 1		:

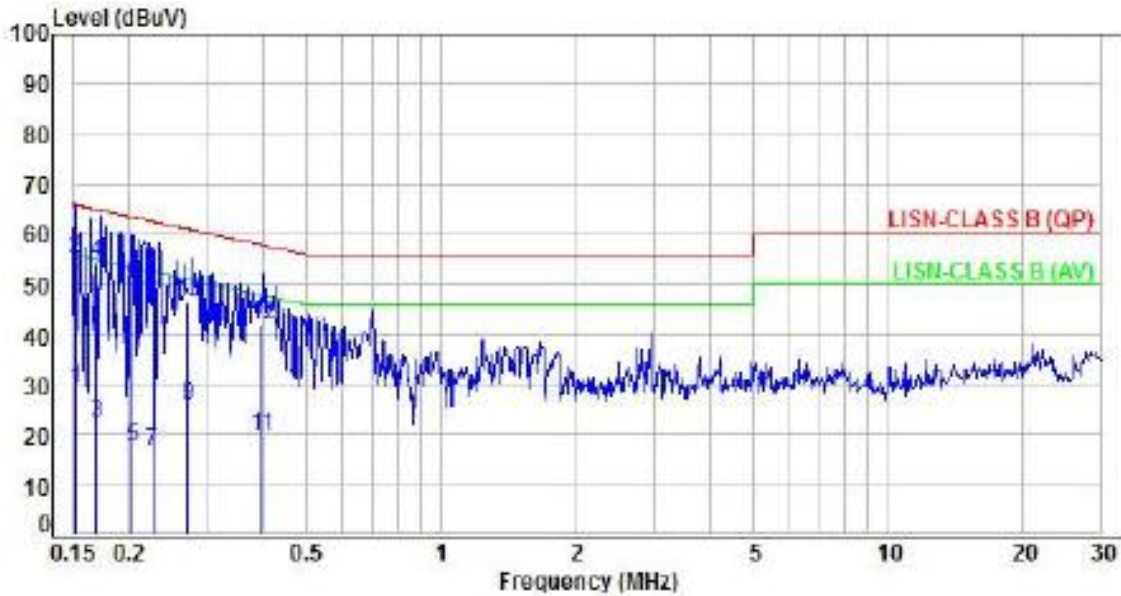


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.96	25.46	35.42	55.90	-20.48	Average	P
2	0.15	9.96	45.30	55.26	65.90	-10.64	QP	P
3	0.18	9.95	10.74	20.69	54.44	-33.75	Average	P
4	0.18	9.95	42.74	52.69	64.44	-11.75	QP	P
5	0.20	9.95	6.73	16.68	53.45	-36.77	Average	P
6	0.20	9.95	39.53	49.48	63.45	-13.97	QP	P
7	0.25	9.95	6.95	16.90	51.63	-34.73	Average	P
8	0.25	9.95	35.27	45.22	61.63	-16.41	QP	P
9	0.29	9.95	34.34	44.29	50.51	-6.22	Average	P
10	0.29	9.95	37.98	47.93	60.51	-12.58	QP	P
11	0.43	9.96	26.50	36.46	47.28	-10.82	Average	P
12	0.43	9.96	33.16	43.12	57.28	-14.16	QP	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=(LISM or ISN or Current Probe)Factor + Cable Loss



Power	:	From System (AC 240V / 60Hz)	Pol/Phase	:	NEUTRAL
Test Mode	:	Mode 1		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.94	19.33	29.27	55.91	-26.64	Average	P
2	0.15	9.94	45.38	55.24	65.91	-10.67	QP	P
3	0.17	9.94	12.51	22.45	55.01	-32.56	Average	P
4	0.17	9.94	44.46	54.40	65.01	-10.61	QP	P
5	0.20	9.93	7.74	17.67	53.46	-35.79	Average	P
6	0.20	9.93	48.34	58.27	63.46	-13.19	QP	P
7	0.23	9.93	6.79	16.72	52.68	-35.88	Average	P
8	0.23	9.93	38.44	48.37	62.68	-14.23	QP	P
9	0.27	9.93	15.88	25.73	51.86	-25.33	Average	P
10	0.27	9.93	36.45	46.38	61.86	-14.68	QP	P
11	0.40	9.94	9.79	19.73	47.91	-28.18	Average	P
12	0.40	9.94	32.01	41.95	57.91	-15.96	QP	P

Note: Level=Reading+Factor
 Margin=Level-Limit
 Factor=(LISM 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.

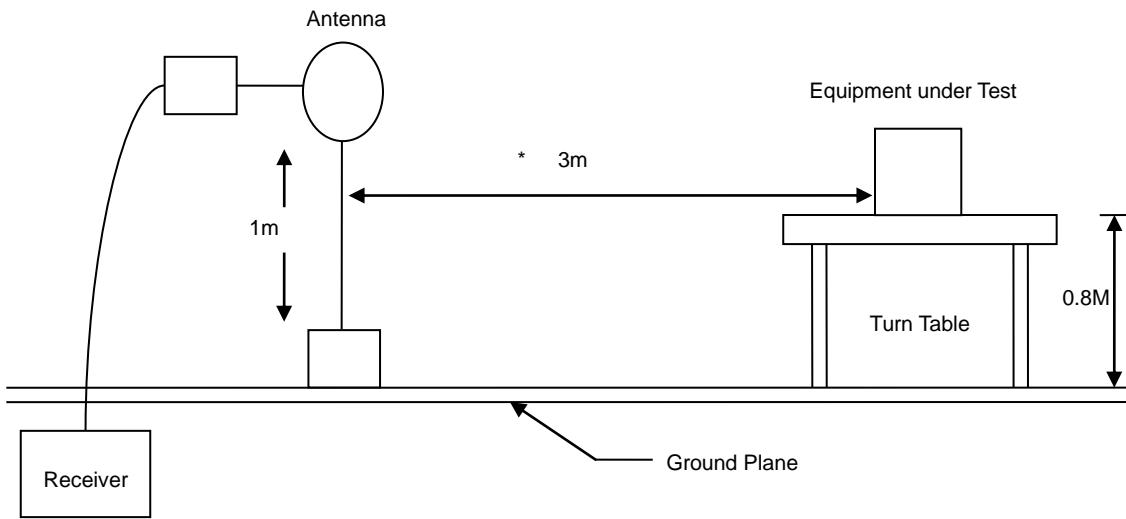
Note:

- 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.
From LF: (Y-AXIS is the worst.)
From HF:(X-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.

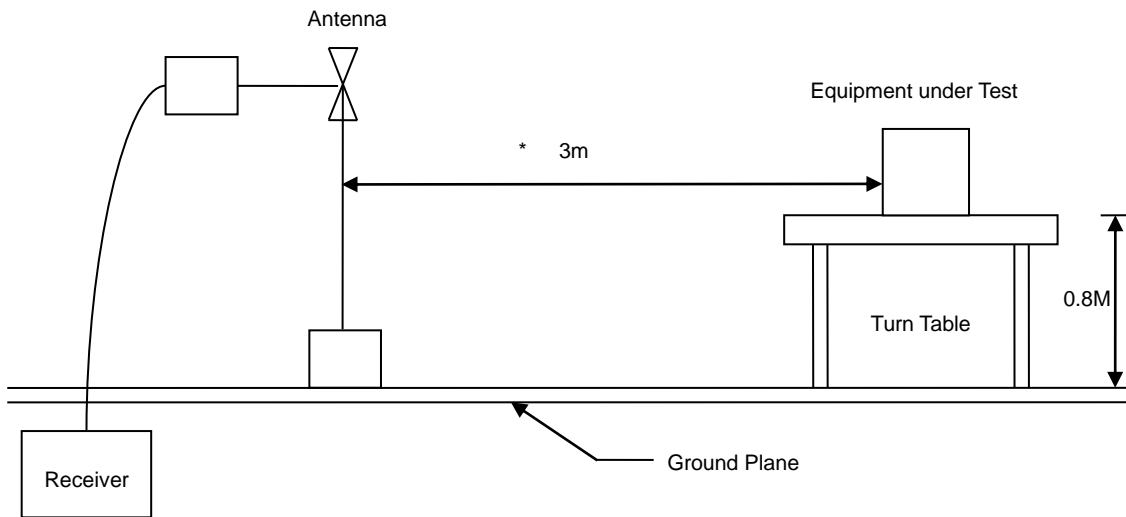


6.3 Typical Test Setup

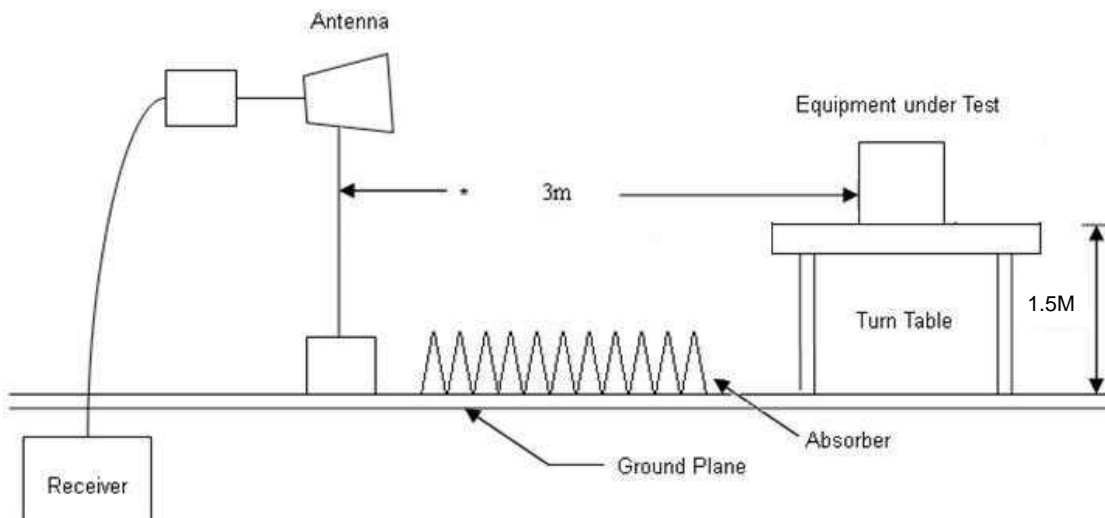
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup



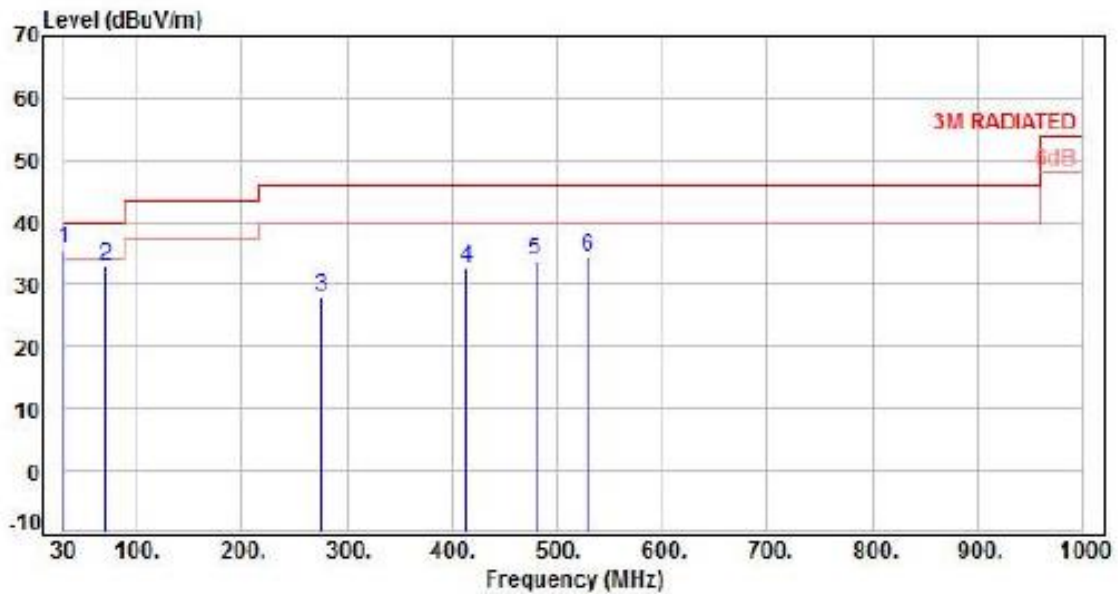


6.4 Test Result and Data (9KHz ~ 30MHz)

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

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

Power	:	From System (AC 240V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1		:	

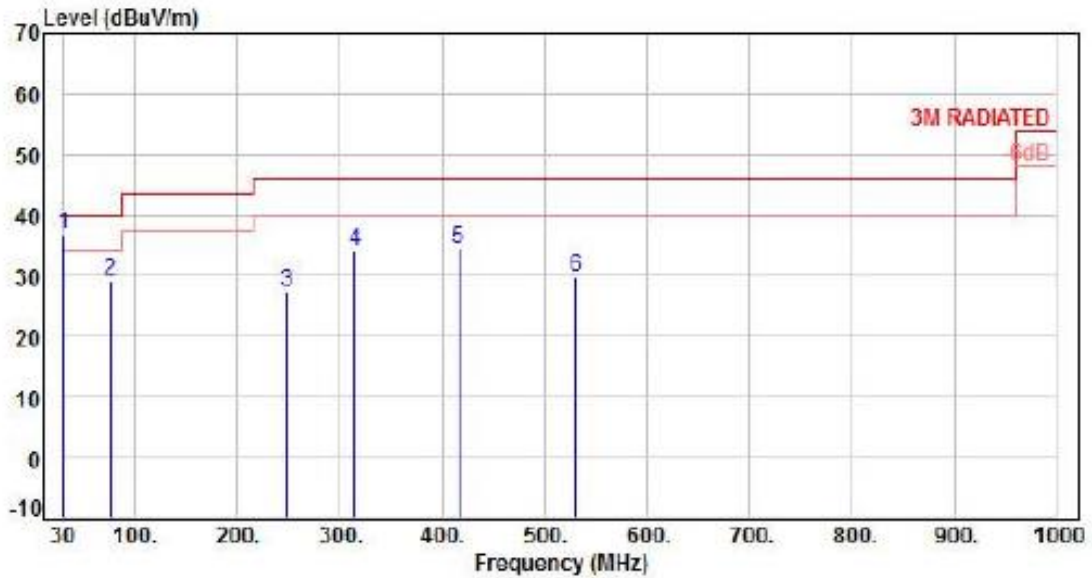


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-12.61	48.21	35.60	40.00	-4.40	QP	100	332	P
2	70.65	-13.36	46.31	32.95	40.00	-7.05	Peak	400	0	P
3	274.44	-10.81	38.96	28.15	46.00	-17.85	Peak	400	0	P
4	413.15	-7.19	39.91	32.72	46.00	-13.28	Peak	400	0	P
5	479.11	-5.60	39.26	33.66	46.00	-12.34	Peak	400	0	P
6	528.58	-4.63	39.14	34.51	46.00	-11.49	Peak	400	0	P

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



Power	: From System (AC 240V / 60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1		:



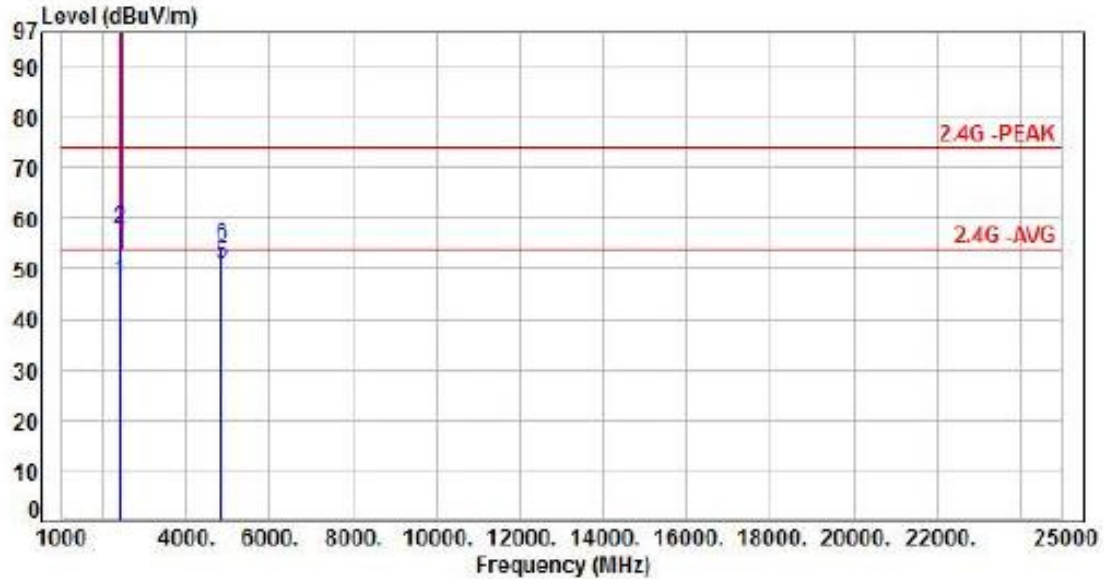
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	30.00	-12.61	49.49	36.88	40.00	-3.12	Peak	400	360	P
2	76.29	-14.86	44.06	29.20	40.00	-10.80	Peak	400	360	P
3	247.54	-12.07	39.55	27.48	46.00	-18.52	Peak	400	360	P
4	315.31	-9.64	43.62	33.98	46.00	-12.02	Peak	400	360	P
5	416.14	-7.09	41.47	34.38	46.00	-11.62	Peak	400	360	P
6	530.28	-4.68	34.34	29.74	46.00	-16.26	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	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, CH01		:	

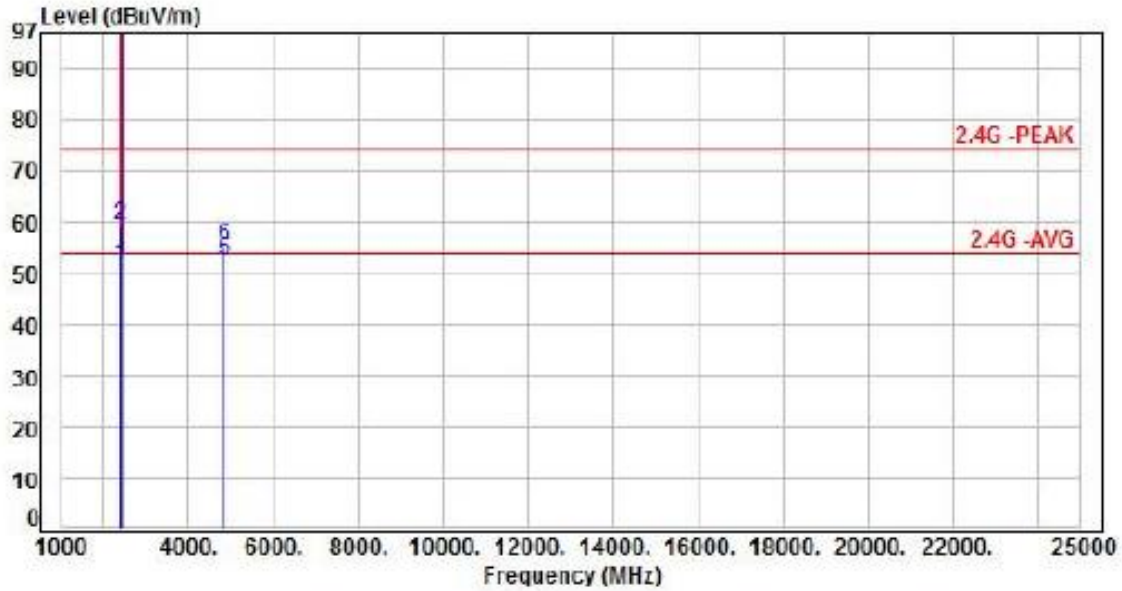


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	50.36	47.72	54.00	-6.28	Average	100	191	P
2	2390.00	-2.64	57.95	57.95	74.00	-16.05	Peak	100	191	P
3	2412.00	-2.60	104.03	101.43	200.00	-98.57	Average	100	191	P
4	2412.00	-2.60	107.13	104.53	200.00	-95.47	Peak	100	191	P
5	4824.00	5.03	45.75	50.78	54.00	-3.22	Average	100	0	P
6	4824.00	5.03	49.47	54.50	74.00	-19.50	Peak	100	0	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, CH01		:	

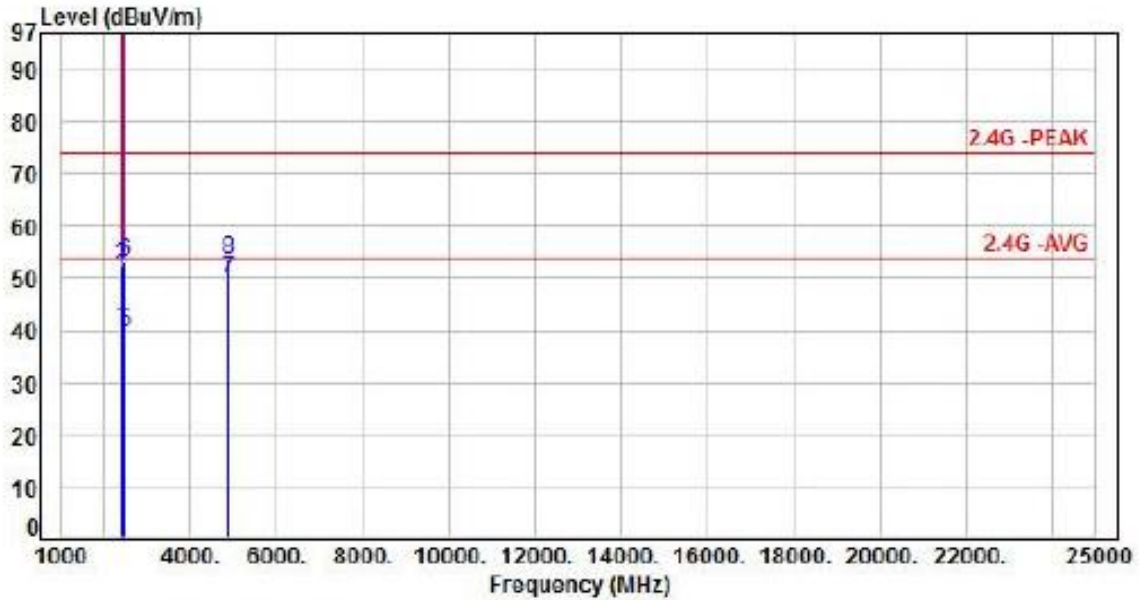


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	54.37	51.73	54.00	-2.27	Average	153	322	P
2	2390.00	-2.64	62.06	59.42	74.00	-14.58	Peak	153	322	P
3	2412.00	-2.60	110.01	107.41	200.00	-92.59	Average	153	322	P
4	2412.00	-2.60	112.82	110.22	200.00	-89.78	Peak	153	322	P
5	4824.00	5.03	47.45	52.48	54.00	-1.52	Average	100	0	P
6	4824.00	5.03	50.46	55.49	74.00	-18.51	Peak	100	0	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, CH06		:	

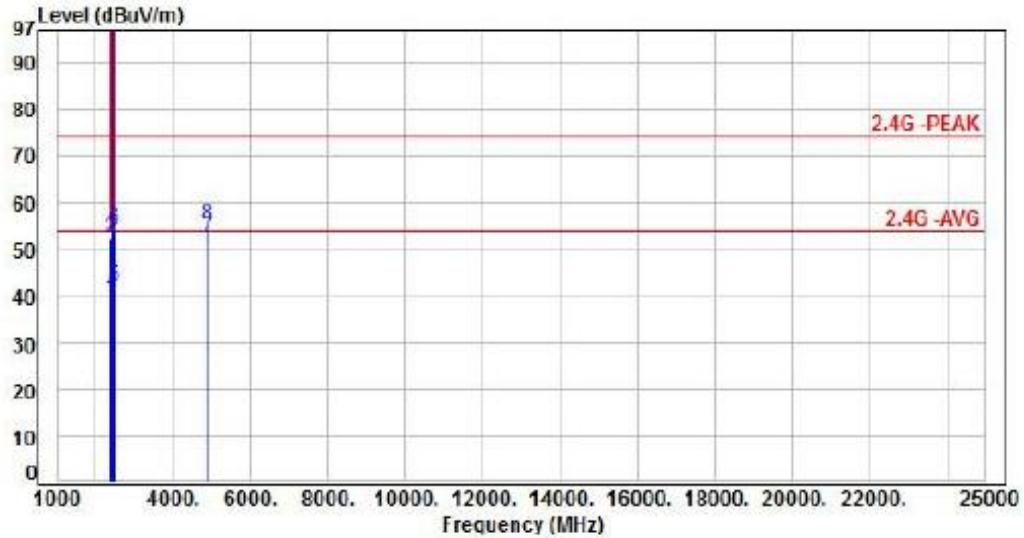


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	42.87	40.23	54.00	-13.77	Average	260	304	P
2	2390.00	-2.64	54.92	52.28	74.00	-21.72	Peak	260	304	P
3	2437.00	-2.57	106.98	104.41	200.00	-95.59	Average	260	304	P
4	2437.00	-2.57	109.97	107.40	200.00	-92.60	Peak	260	304	P
5	2483.50	-2.39	42.01	39.62	54.00	-14.38	Average	260	304	P
6	2483.50	-2.39	55.60	53.21	74.00	-20.79	Peak	260	304	P
7	4874.00	5.18	44.66	49.84	54.00	-4.16	Average	110	350	P
8	4874.00	5.18	48.42	53.60	74.00	-20.40	Peak	110	350	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, CH06		:	

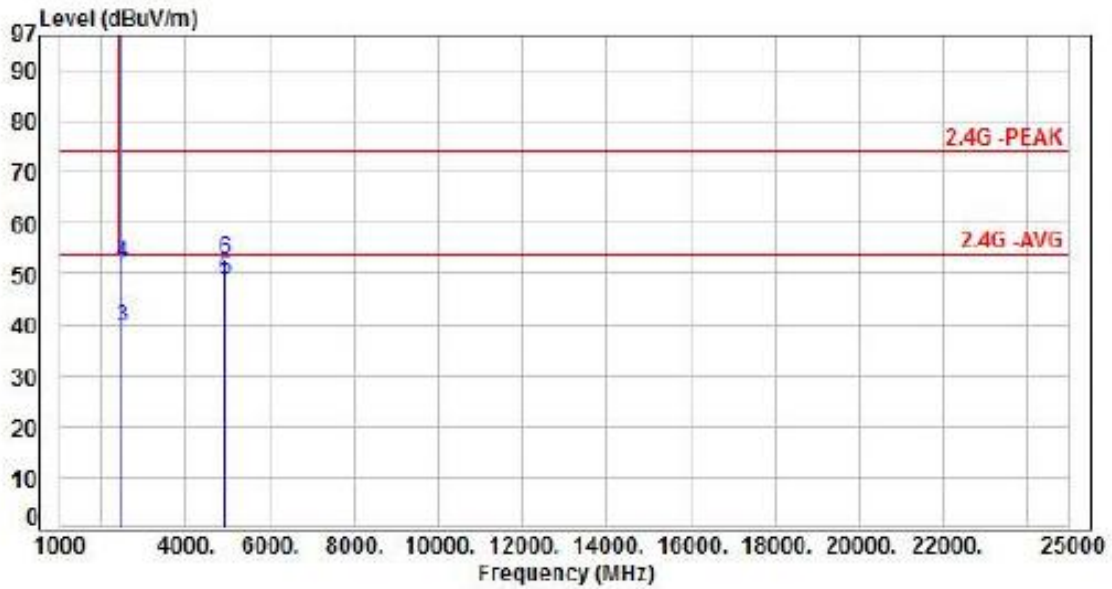


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	42.01	39.37	54.00	-14.63	Average	125	315	P
2	2390.00	-2.64	55.14	52.50	74.00	-21.50	Peak	125	315	P
3	2437.00	-2.57	113.98	111.41	200.00	-88.59	Average	125	315	P
4	2437.00	-2.57	116.98	114.41	200.00	-85.59	Peak	125	315	P
5	2483.50	-2.39	44.54	42.15	54.00	-11.85	Average	125	315	P
6	2483.50	-2.39	56.46	54.07	74.00	-19.93	Peak	125	315	P
7	4874.00	5.18	47.24	52.42	54.00	-1.58	Average	267	308	P
8	4874.00	5.18	50.10	55.28	74.00	-18.72	Peak	267	308	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 1, CH11		:	

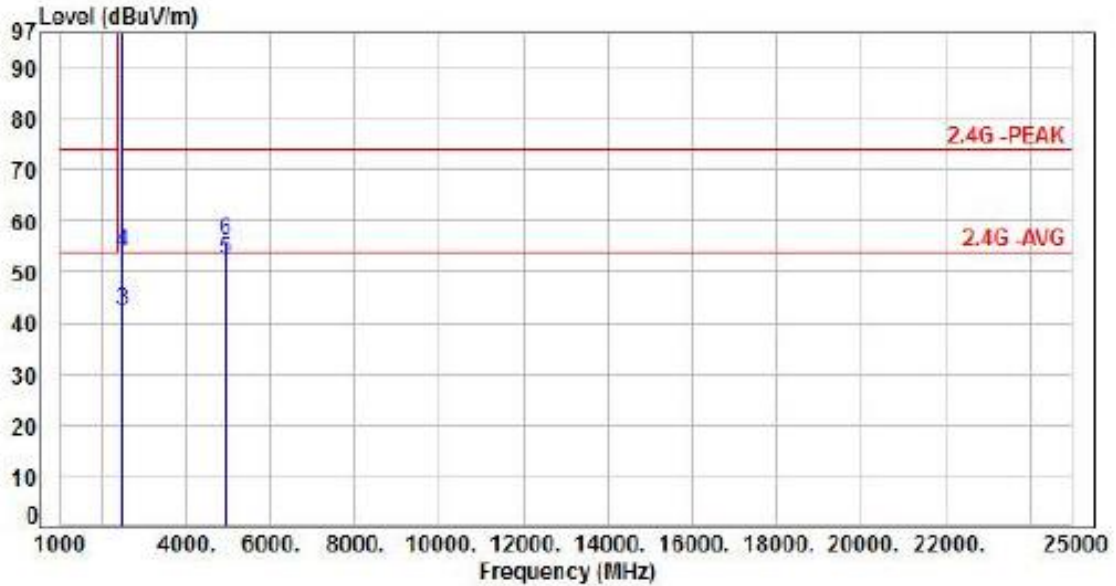


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.49	100.15	97.66	200.00	-102.34	Average	100	310	P
2	2462.00	-2.49	102.87	100.38	200.00	-99.62	Peak	100	310	P
3	2483.50	-2.39	41.83	39.44	54.00	-14.56	Average	100	310	P
4	2483.50	-2.39	54.26	51.87	74.00	-22.13	Peak	100	310	P
5	4924.00	5.39	43.14	48.53	54.00	-5.47	Average	100	0	P
6	4924.00	5.39	47.43	52.82	74.00	-21.18	Peak	100	0	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 1, CH11		:	

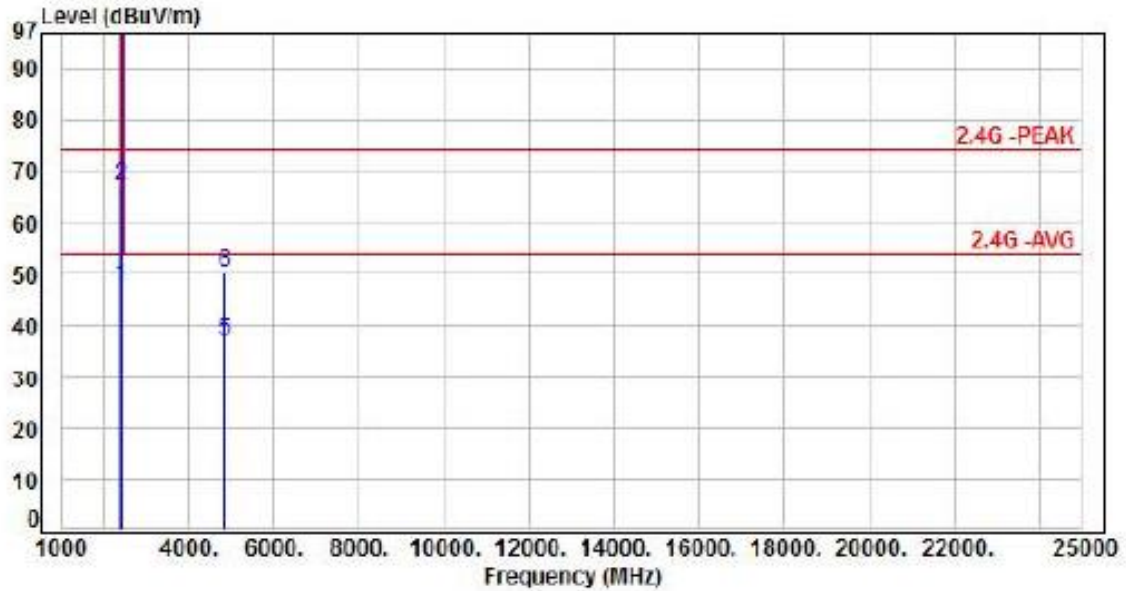


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.49	106.17	103.68	200.00	-96.32	Average	100	321	P
2	2462.00	-2.49	108.91	106.42	200.00	-93.58	Peak	100	321	P
3	2483.50	-2.39	44.86	42.47	54.00	-11.53	Average	100	321	P
4	2483.50	-2.39	56.23	53.84	74.00	-20.16	Peak	100	321	P
5	4924.00	5.39	47.08	52.47	54.00	-1.53	Average	115	313	P
6	4924.00	5.39	50.66	56.05	74.00	-17.95	Peak	115	313	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, CH01		:	

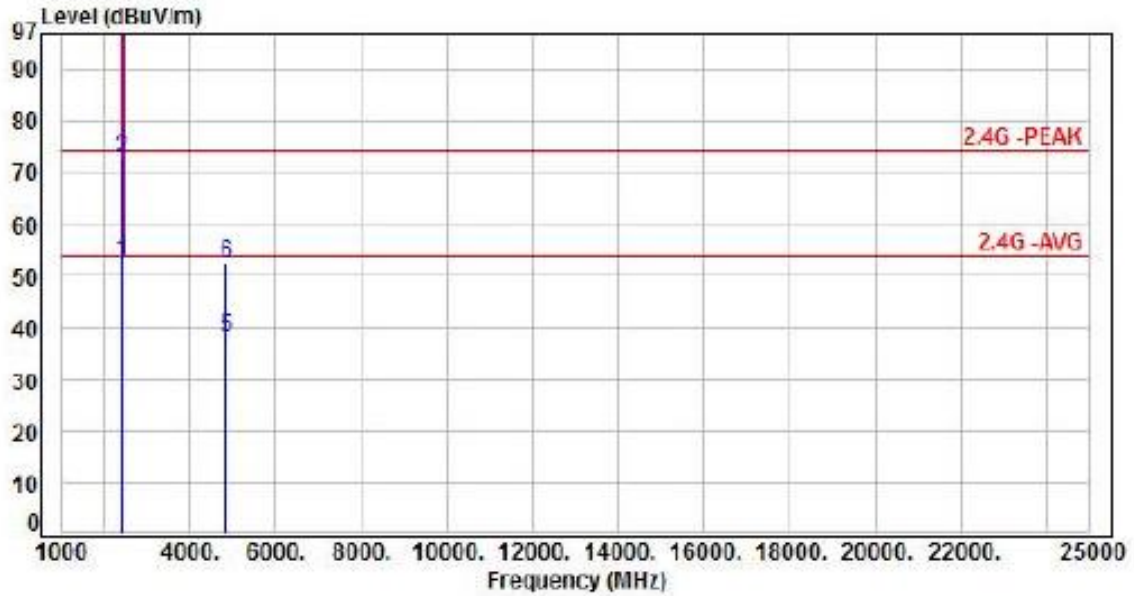


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	50.25	47.61	54.00	-6.39	Average	279	329	P
2	2390.00	-2.64	69.85	67.21	74.00	-6.79	Peak	279	329	P
3	2412.00	-2.60	99.22	96.62	200.00	-103.38	Average	279	329	P
4	2412.00	-2.60	108.58	105.98	200.00	-94.02	Peak	279	329	P
5	4824.00	5.03	31.75	36.78	54.00	-17.22	Average	100	0	P
6	4824.00	5.03	45.01	50.04	74.00	-23.96	Peak	100	0	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, CH01		:	

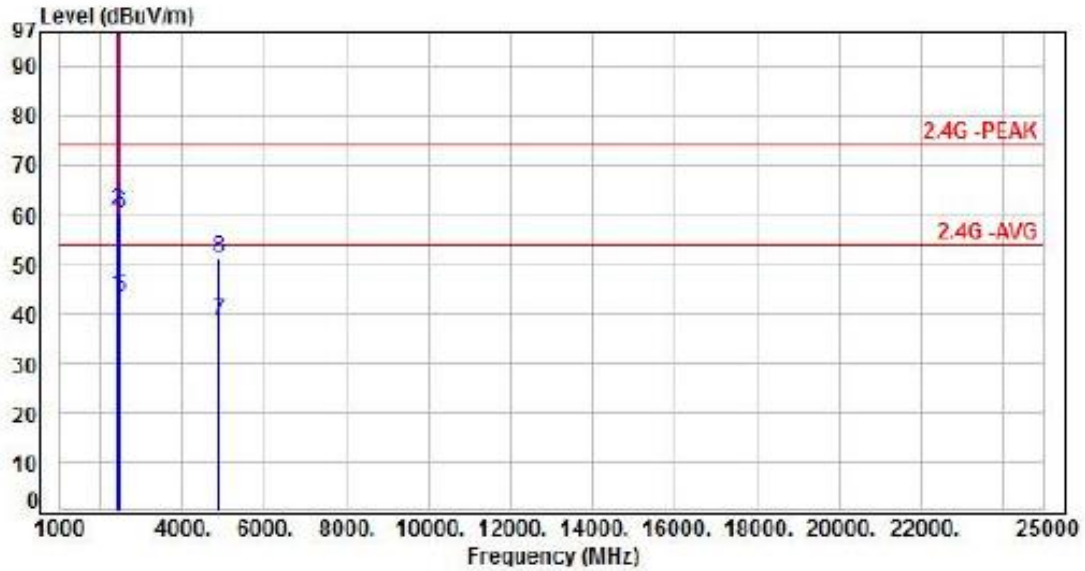


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	55.21	52.57	54.00	-1.43	Average	156	325	P
2	2390.00	-2.64	75.14	72.50	74.00	-1.50	Peak	156	325	P
3	2412.00	-2.60	104.43	101.83	200.00	-98.17	Average	156	325	P
4	2412.00	-2.60	113.95	111.35	200.00	-88.65	Peak	156	325	P
5	4824.00	5.03	32.98	38.01	54.00	-15.99	Average	100	0	P
6	4824.00	5.03	47.30	52.33	74.00	-21.67	Peak	100	0	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, CH06		:	

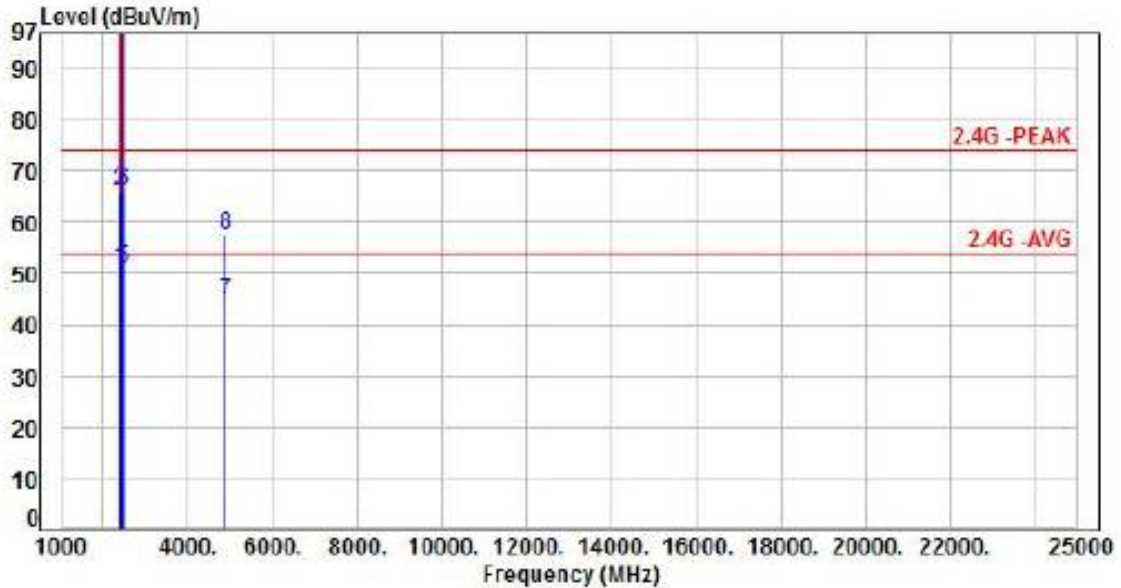


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	46.13	43.49	54.00	-10.51	Average	100	54	P
2	2390.00	-2.64	63.52	60.88	74.00	-13.12	Peak	100	54	P
3	2437.00	-2.57	107.48	104.91	200.00	-95.09	Average	100	54	P
4	2437.00	-2.57	118.07	115.50	200.00	-84.50	Peak	100	54	P
5	2483.50	-2.39	45.72	43.33	54.00	-10.67	Average	100	54	P
6	2483.50	-2.39	62.54	60.15	74.00	-13.85	Peak	100	54	P
7	4874.00	5.18	33.31	38.49	54.00	-15.51	Average	100	0	P
8	4874.00	5.18	46.11	51.29	74.00	-22.71	Peak	100	0	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 2, CH06		:	

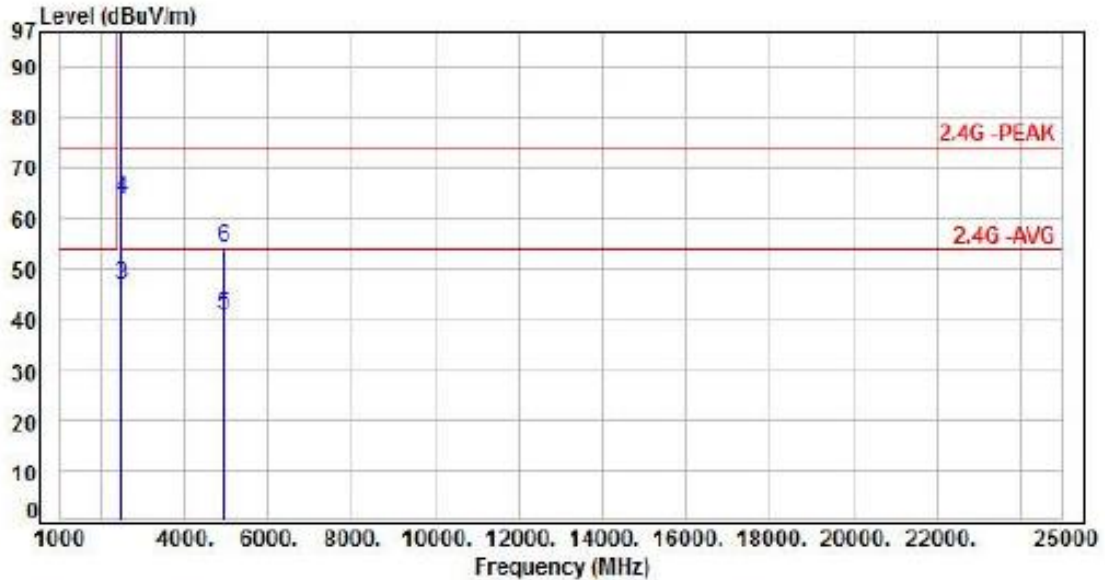


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	53.72	51.08	54.00	-2.92	Average	100	316	P
2	2390.00	-2.64	68.83	66.19	74.00	-7.81	Peak	100	316	P
3	2437.00	-2.57	113.41	110.84	200.00	-89.16	Average	100	316	P
4	2437.00	-2.57	122.62	120.05	200.00	-79.95	Peak	100	316	P
5	2483.50	-2.39	53.29	50.90	54.00	-3.10	Average	100	316	P
6	2483.50	-2.39	68.52	66.13	74.00	-7.87	Peak	100	316	P
7	4874.00	5.18	39.44	44.62	54.00	-9.38	Average	100	314	P
8	4874.00	5.18	52.43	57.61	74.00	-16.39	Peak	100	314	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 2, CH11		:	

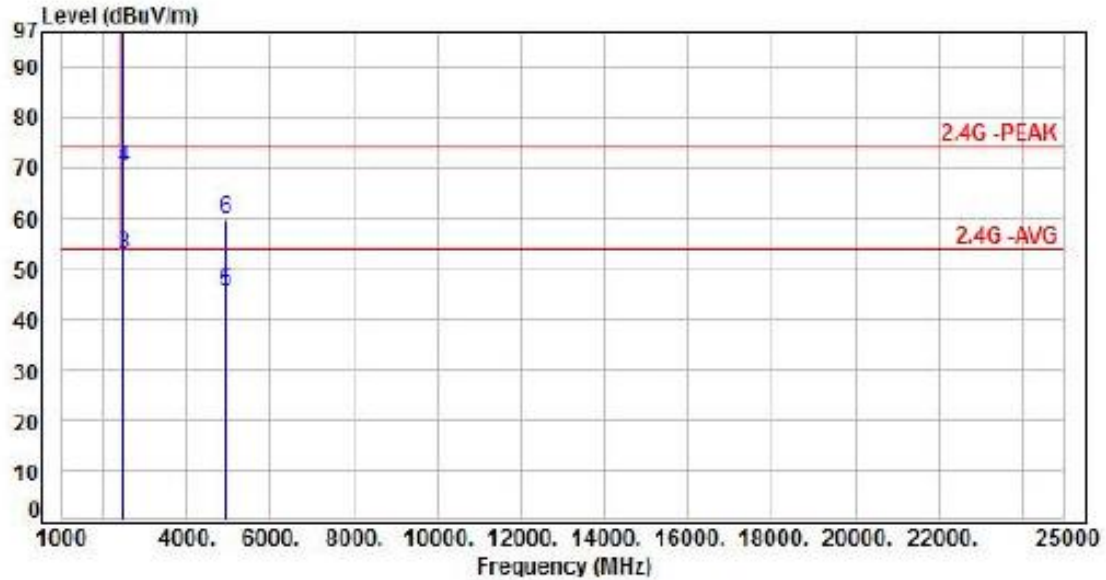


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2452.00	-2.49	98.64	96.15	200.00	-103.85	Average	100	124	P
2	2452.00	-2.49	108.55	106.06	200.00	-93.94	Peak	100	124	P
3	2483.50	-2.39	49.19	46.80	54.00	-7.20	Average	100	124	P
4	2483.50	-2.39	68.22	63.83	74.00	-10.17	Peak	100	124	P
5	4924.00	5.39	35.52	40.91	54.00	-13.09	Average	100	353	P
6	4924.00	5.39	48.78	54.17	74.00	-19.83	Peak	100	353	P

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



Power	: From System (AC 120V / 60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH11		:

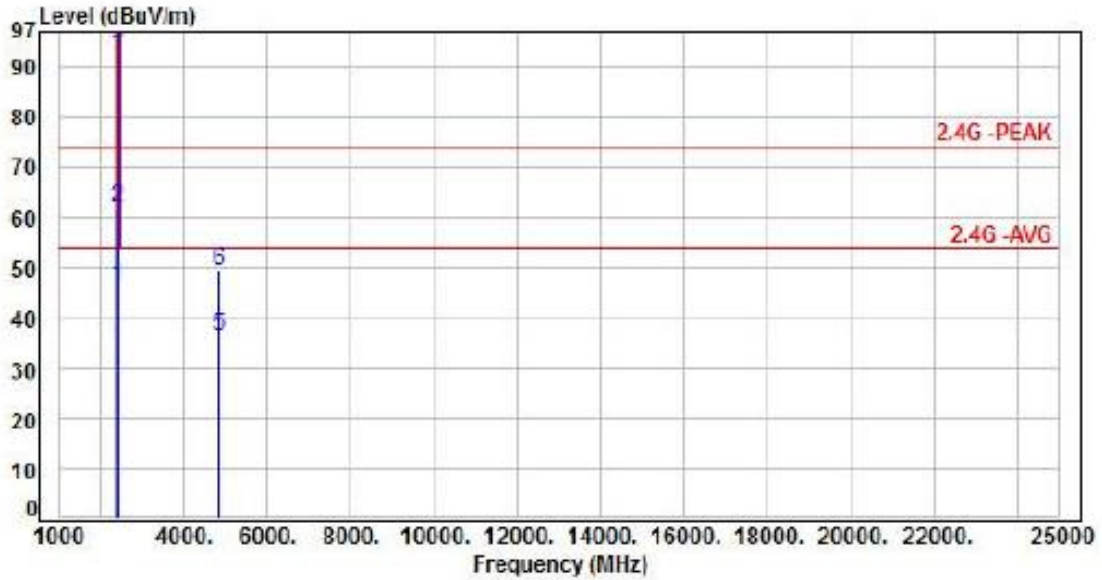


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.49	104.81	102.32	200.00	-97.68	Average	100	323	P
2	2462.00	-2.49	115.23	112.74	200.00	-87.26	Peak	100	323	P
3	2483.50	-2.39	55.29	52.90	54.00	-1.10	Average	100	323	P
4	2483.50	-2.39	72.58	70.19	74.00	-3.81	Peak	100	323	P
5	4924.00	5.39	39.80	45.19	54.00	-8.81	Average	116	308	P
6	4924.00	5.39	54.44	59.83	74.00	-14.17	Peak	116	308	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, CH01		:	

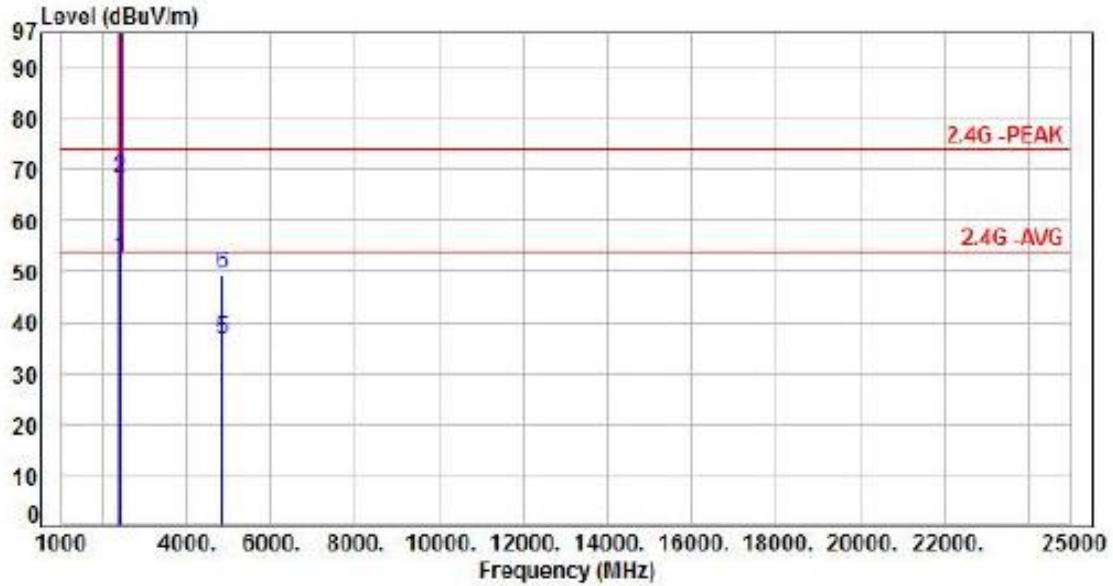


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	49.05	46.41	54.00	-7.59	Average	110	155	P
2	2390.00	-2.64	64.48	61.84	74.00	-12.16	Peak	110	155	P
3	2412.00	-2.60	96.92	94.32	200.00	-105.68	Average	110	155	P
4	2412.00	-2.60	110.58	107.98	200.00	-92.02	Peak	110	155	P
5	4824.00	5.03	31.50	36.53	54.00	-17.47	Average	100	231	P
6	4824.00	5.03	44.21	49.24	74.00	-24.76	Peak	100	231	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, CH01		:	

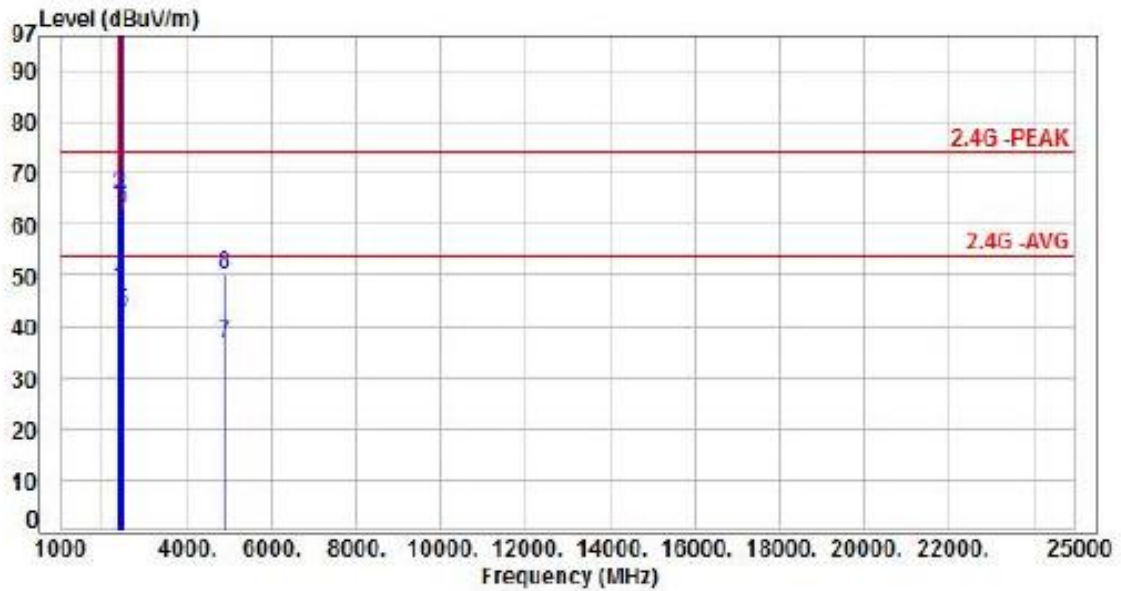


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	55.47	52.83	54.00	-1.17	Average	153	312	P
2	2390.00	-2.64	71.05	68.41	74.00	-5.59	Peak	153	312	P
3	2412.00	-2.60	101.83	99.23	200.00	-100.77	Average	153	312	P
4	2412.00	-2.60	115.70	113.10	200.00	-86.90	Peak	153	312	P
5	4824.00	5.03	31.56	36.59	54.00	-17.41	Average	100	189	P
6	4824.00	5.03	44.31	49.34	74.00	-24.66	Peak	100	189	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, CH06		:	

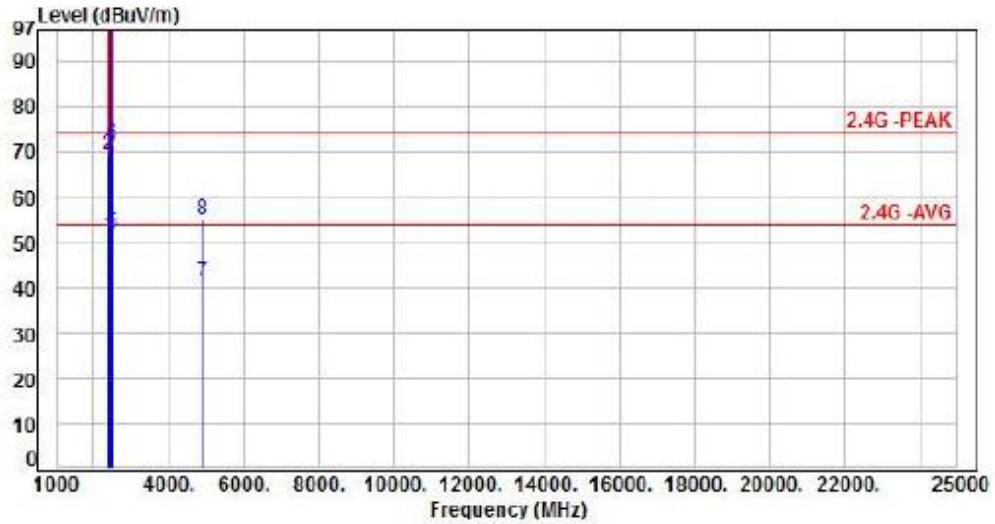


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	50.19	47.55	54.00	-6.45	Average	266	303	P
2	2390.00	-2.64	68.11	65.47	74.00	-8.53	Peak	266	303	P
3	2437.00	-2.57	107.67	105.10	200.00	-94.90	Average	266	303	P
4	2437.00	-2.57	120.56	117.99	200.00	-82.01	Peak	266	303	P
5	2483.50	-2.39	45.34	42.95	54.00	-11.05	Average	266	303	P
6	2483.50	-2.39	65.34	62.95	74.00	-11.05	Peak	266	303	P
7	4874.00	5.18	31.45	36.63	54.00	-17.37	Average	100	0	P
8	4874.00	5.18	44.89	50.07	74.00	-23.93	Peak	100	0	P

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



Power	: From System (AC 120V / 60Hz)	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 7, CH06		:

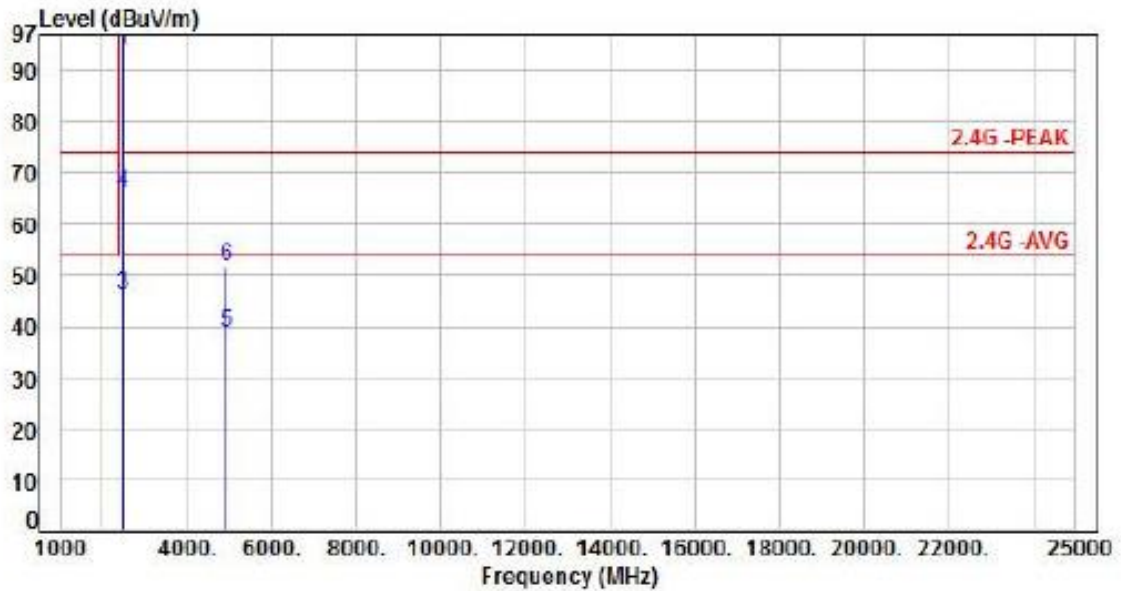


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	54.03	51.39	54.00	-2.61	Average	124	315	P
2	2390.00	-2.64	71.85	69.21	74.00	-4.79	Peak	124	315	P
3	2437.00	-2.57	113.19	110.62	200.00	-89.38	Average	124	315	P
4	2437.00	-2.57	126.15	123.58	200.00	-76.42	Peak	124	315	P
5	2483.50	-2.39	54.22	51.83	54.00	-2.17	Average	124	315	P
6	2483.50	-2.39	73.94	71.55	74.00	-2.45	Peak	124	315	P
7	4874.00	5.18	36.03	41.21	54.00	-12.79	Average	100	7	P
8	4874.00	5.18	49.87	55.05	74.00	-18.95	Peak	100	7	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 7, CH11		:	

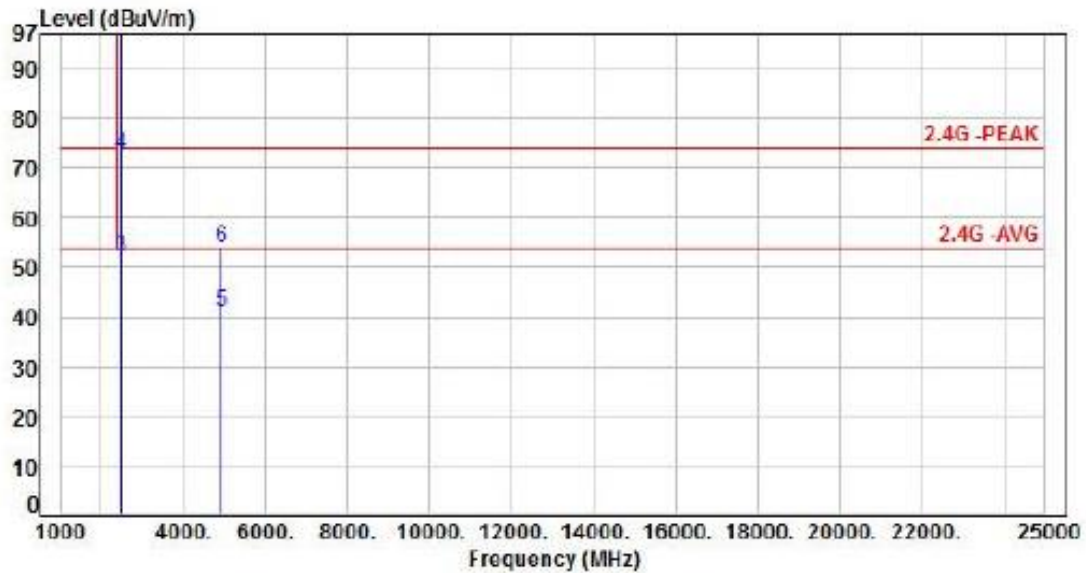


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.49	96.62	94.13	200.00	-105.87	Average	100	127	P
2	2462.00	-2.49	110.35	107.86	200.00	-92.14	Peak	100	127	P
3	2483.50	-2.39	48.37	45.98	54.00	-8.02	Average	100	127	P
4	2483.50	-2.39	68.39	66.00	74.00	-8.00	Peak	100	127	P
5	4924.00	5.39	33.19	38.58	54.00	-15.42	Average	100	360	P
6	4924.00	5.39	46.26	51.65	74.00	-22.35	Peak	100	360	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 7, CH11		:	

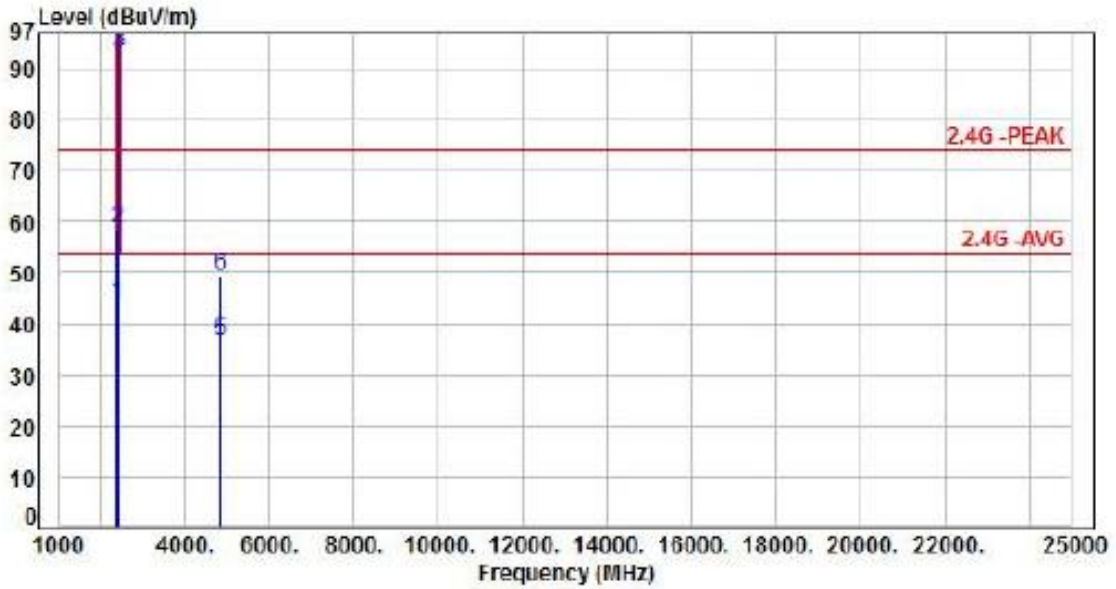


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2462.00	-2.49	101.19	98.70	200.00	-101.30	Average	100	339	P
2	2462.00	-2.49	115.15	112.66	200.00	-87.34	Peak	100	339	P
3	2483.50	-2.39	54.28	51.89	54.00	-2.11	Average	100	339	P
4	2483.50	-2.39	75.12	72.73	74.00	-1.27	Peak	100	339	P
5	4924.00	5.39	35.56	40.95	54.00	-13.05	Average	100	0	P
6	4924.00	5.39	48.35	53.74	74.00	-20.26	Peak	100	0	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, CH03		:	

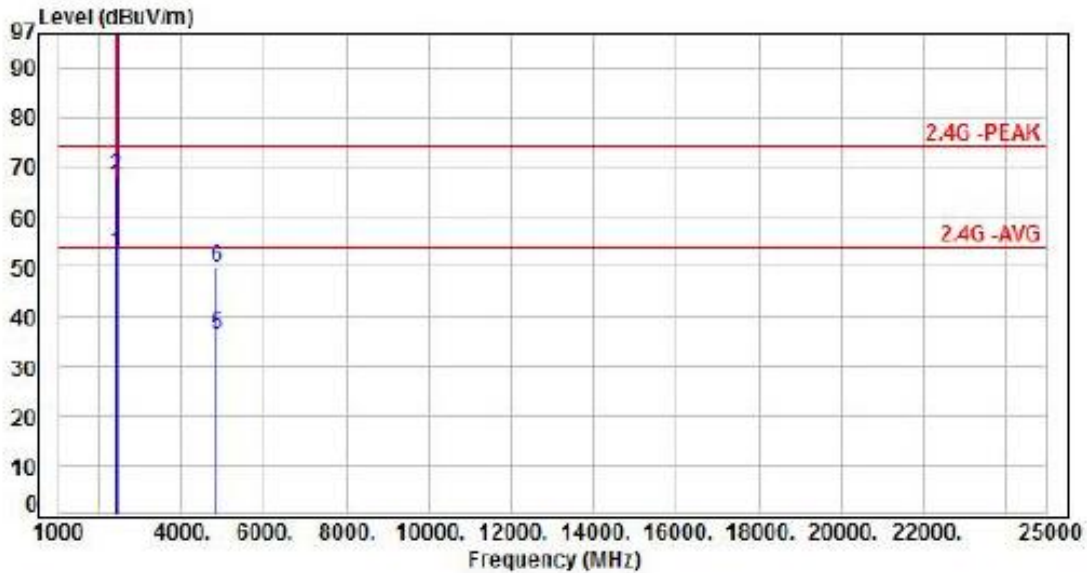


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	46.49	43.85	54.00	-10.15	Average	100	111	P
2	2390.00	-2.64	61.34	58.70	74.00	-15.30	Peak	100	111	P
3	2422.00	-2.59	95.80	93.21	200.00	-106.79	Average	100	111	P
4	2422.00	-2.59	107.22	104.63	200.00	-95.37	Peak	100	111	P
5	4844.00	5.09	31.29	36.38	54.00	-17.62	Average	100	277	P
6	4844.00	5.09	44.38	49.47	74.00	-24.53	Peak	100	277	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, CH03		:	

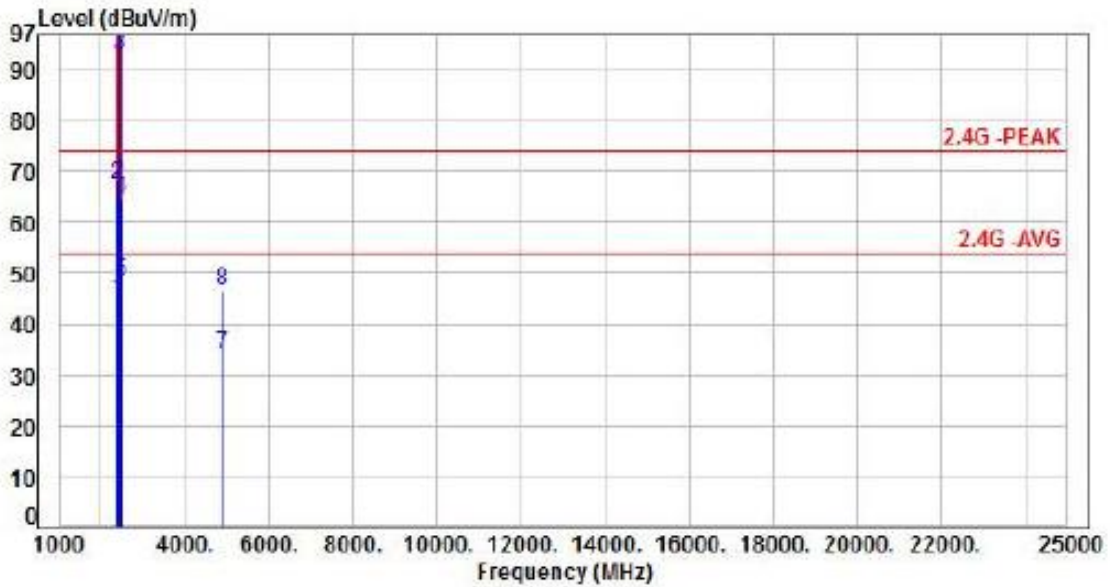


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2398.00	-2.64	55.46	52.82	54.00	-1.18	Average	100	327	P
2	2398.00	-2.64	70.94	68.30	74.00	-5.70	Peak	100	327	P
3	2422.00	-2.59	101.89	99.30	200.00	-100.70	Average	100	327	P
4	2422.00	-2.59	113.22	110.63	200.00	-89.37	Peak	100	327	P
5	4844.00	5.09	31.15	36.24	54.00	-17.76	Average	100	155	P
6	4844.00	5.09	44.75	49.84	74.00	-24.16	Peak	100	155	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, CH06		:	

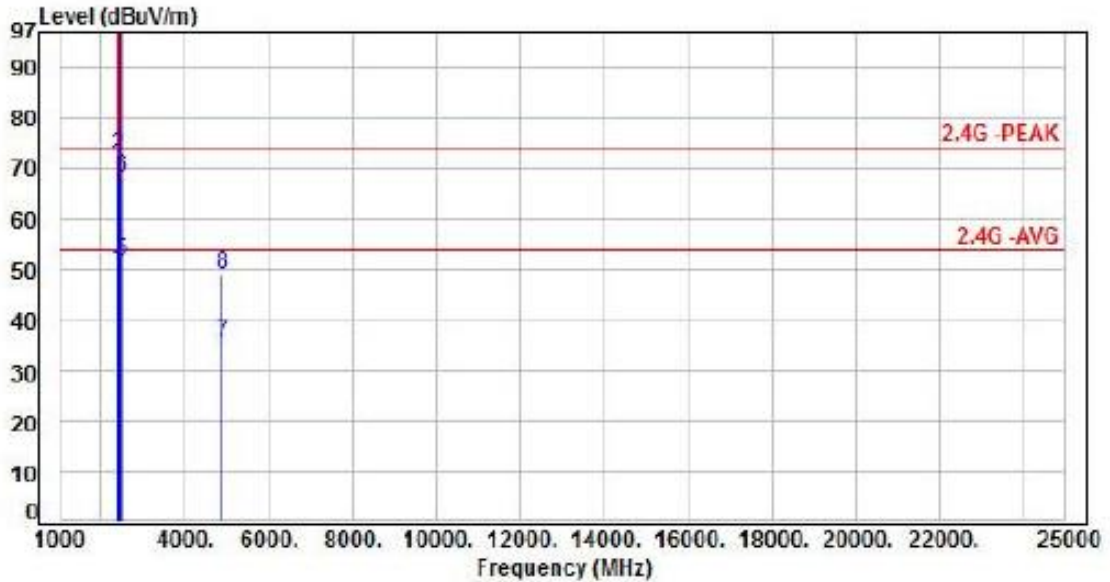


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	47.28	44.64	54.00	-9.36	Average	100	122	P
2	2390.00	-2.64	70.04	67.40	74.00	-6.60	Peak	100	122	P
3	2437.00	-2.57	95.56	92.99	200.00	-107.01	Average	100	122	P
4	2437.00	-2.57	110.38	107.81	200.00	-92.19	Peak	100	122	P
5	2483.50	-2.39	50.71	48.32	54.00	-5.68	Average	100	122	P
6	2483.50	-2.39	67.02	64.63	74.00	-9.37	Peak	100	122	P
7	4874.00	5.18	28.63	33.81	54.00	-20.19	Average	100	153	P
8	4874.00	5.18	41.27	46.45	74.00	-27.55	Peak	100	153	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, CH06		:	



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-2.64	52.38	49.74	54.00	-4.26	Average	100	317	P
2	2390.00	-2.64	75.43	72.79	74.00	-1.21	Peak	100	317	P
3	2437.00	-2.57	105.40	102.83	200.00	-97.17	Average	100	317	P
4	2437.00	-2.57	119.57	117.00	200.00	-83.00	Peak	100	317	P
5	2483.50	-2.39	53.90	51.51	54.00	-2.49	Average	100	317	P
6	2483.50	-2.39	70.51	68.12	74.00	-5.88	Peak	100	317	P
7	4874.00	5.18	30.10	35.28	54.00	-18.72	Average	100	0	P
8	4874.00	5.18	43.80	48.98	74.00	-25.02	Peak	100	0	P

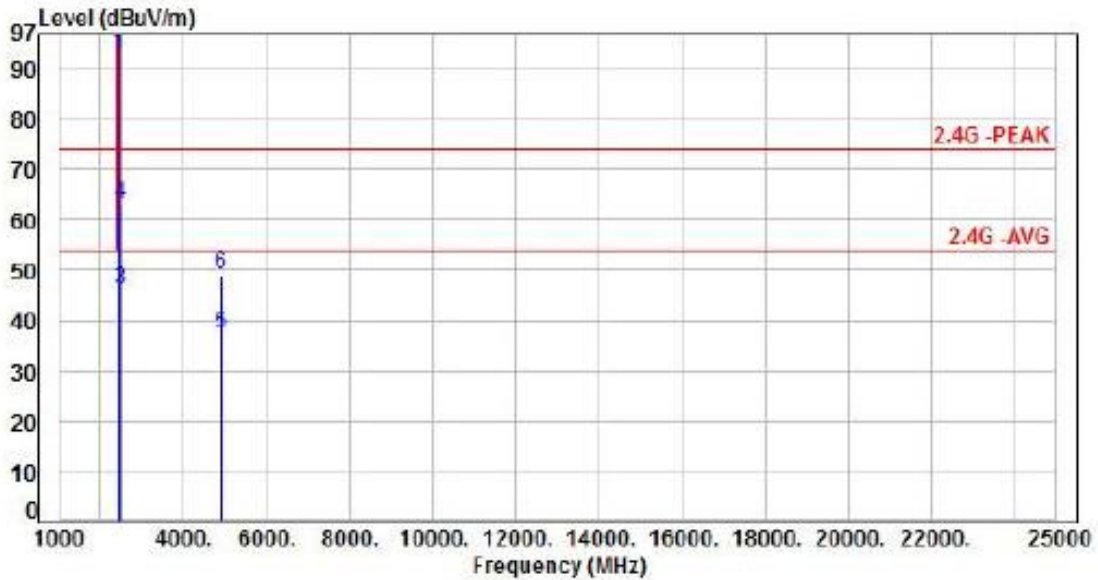
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	VERTICAL
Test Mode	:	Mode 8, CH09		:	

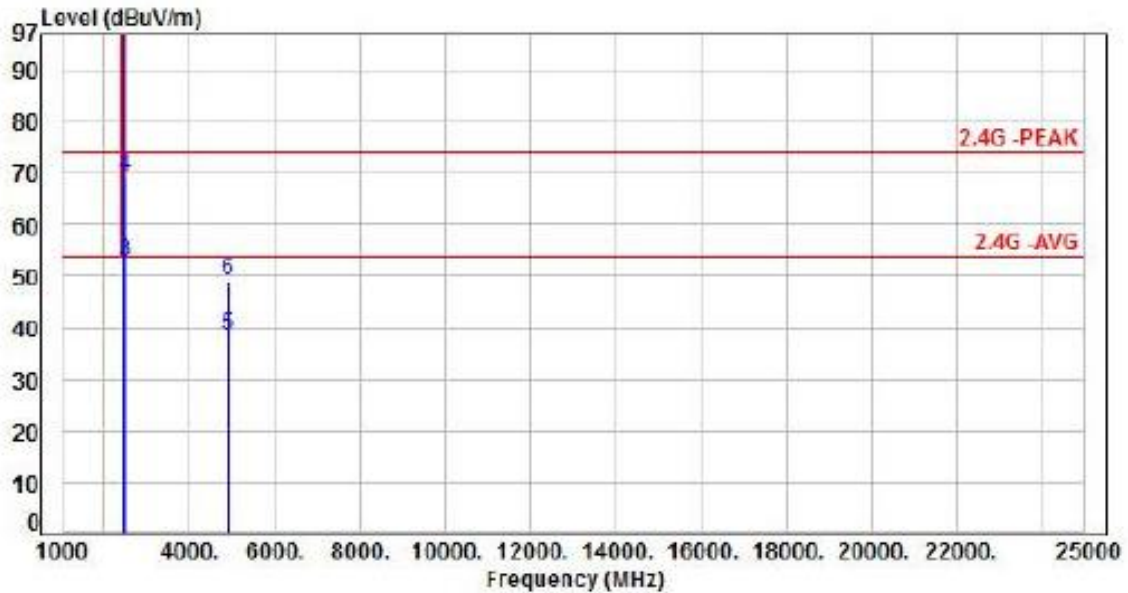


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2452.00	-2.54	95.64	93.10	200.00	-106.90	Average	100	317	P
2	2452.00	-2.54	108.87	106.33	200.00	-93.67	Peak	100	317	P
3	2483.50	-2.39	48.64	46.25	54.00	-7.75	Average	100	317	P
4	2483.50	-2.39	65.49	63.10	74.00	-10.90	Peak	100	317	P
5	4904.00	5.29	31.91	37.20	54.00	-16.80	Average	100	134	P
6	4904.00	5.29	43.66	48.95	74.00	-25.05	Peak	100	134	P

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



Power	:	From System (AC 120V / 60Hz)	Pol/Phase	:	HORIZONTAL
Test Mode	:	Mode 8, 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	-2.54	100.78	98.24	200.00	-101.76	Average	100	325	P
2	2452.00	-2.54	114.29	111.75	200.00	-88.25	Peak	100	325	P
3	2483.50	-2.39	55.06	52.67	54.00	-1.33	Average	100	325	P
4	2483.50	-2.39	71.71	69.32	74.00	-4.68	Peak	100	325	P
5	4904.00	5.29	33.03	38.32	54.00	-15.68	Average	100	287	P
6	4904.00	5.29	43.76	49.05	74.00	-24.95	Peak	100	287	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