



# FCC RADIO TEST REPORT

Applicant : Nonet Inc.

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Address : 3 F., No. 59-1, Sec. 1, Xincheng N. Rd., Zhongshan  
Dist., Taipei City 10457, Taiwan (R.O.C.)

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Equipment : Tenon Control Box

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Model No. : TNCT01

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Trade Name : beflo

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FCC ID : 2A8FY-BEFLO-ATN

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**I HEREBY CERTIFY THAT :**

The sample was received on Aug. 01, 2022 and the testing was completed on Sep. 19, 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
22080005-TRFCC01	Sep. 22, 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)	Maximum 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	BLE: 2400-2483.5MHz 802.11b/g/n(TurboQAM)/ax: 2400-2483.5MHz 802.11a/n/ac/ax: 5150-5250MHz, 5250-5350MHz, 5470-5725MHz, 5725-5850MHz
Center Frequency Range	BLE: 2402MHz-2480MHz 802.11b/g/n(TurboQAM)/ax: 2412MHz-2462MHz 802.11a/n/ac/ax: 5180-5240MHz, 5260-5320MHz, 5500-5700MHz, 5745-5825MHz
Modulation Type	BLE: GFSK WLAN: 2.4GHz: 802.11b: CCK, DQPSK, DBPSK 802.11g/n: BPSK, QPSK, 16QAM, 64QAM, 256QAM(TurboQAM) 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM 5GHz: 802.11n/a: BPSK, QPSK, 16QAM, 64QAM 802.11ac: BPSK, QPSK, 16QAM, 64QAM, 256QAM 802.11ax: BPSK, QPSK, 16QAM, 64QAM, 256QAM
Modulation Technology	DSSS, OFDM, DTS, OFDMA
Data Rate	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 MCS0 – MCS8, VHT20(TurboQAM) 802.11ax: MCS0 – MCS8,HE20 5GHz: 802.11a: 6, 9, 12, 18, 24, 36, 48, 54Mbps 802.11n: MCS0 – MCS7, HT20 802.11ac: MCS0 – MCS8, VHT20 802.11ax: MCS0 – MCS8,HE20
Antenna Type	Patch Antenna
Antenna Gain	For BLE: 2400-2500MHz: 2.935dBi For WLAN: 2400-2500MHz: 2.935dBi 5150-5250MHz: 6.199dBi 5250-5350MHz: 6.326dBi 5470-5725MHz: 6.050dBi 5725-5850MHz: 6.243dBi
Adapter	Brand: SAGE Model: SK06T-1200500W2
Firmware Number	0.0.0.1
Serial Number	8c1f642a5018

Note: 1. EUT supports DFS Client Mode, without radar detection.

2. EUT support TPC.

3. For more details, please refer to the User's manual of the EUT.



### 2.2 Carrier Frequency of Channels

Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
<b>*00</b>	<b>2402</b>	14	2430	28	2458
01	2404	15	2432	29	2460
02	2406	16	2434	30	2462
03	2408	17	2436	31	2464
04	2410	18	2438	32	2466
05	2412	<b>*19</b>	<b>2440</b>	33	2468
06	2414	20	2442	34	2470
07	2416	21	2444	35	2472
08	2418	22	2446	36	2474
09	2420	23	2448	37	2476
10	2422	24	2450	38	2478
11	2424	25	2452	<b>*39</b>	<b>2480</b>
12	2426	26	2454	--	--
13	2428	27	2456	--	--

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 Notebook and EUT for RF test.
- c. An executive program, " bt bpriv boots command" under Windows OS system was executed to transmit and receive data via Bluetooth.
- d. The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode	Operating Description
1	GFSK (2Mbps), From Adapter (120V/60Hz)
2	GFSK (2Mbps), From Adapter (240V/60Hz)
3	GFSK (125Kbps), From Adapter (120V/60Hz)
4	GFSK (125Kbps), From Adapter (240V/60Hz)
5	GFSK (500Kbps), From Adapter (120V/60Hz)
6	GFSK (500Kbps), From Adapter (240V/60Hz)
7	GFSK (1Mbps), From Adapter (120V/60Hz)
8	GFSK (1Mbps), From Adapter (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	GFSK (2Mbps), From Adapter (120V/60Hz)
2	GFSK (2Mbps), From Adapter (240V/60Hz)
3	GFSK (125Kbps), From Adapter (120V/60Hz)
4	GFSK (125Kbps), From Adapter (240V/60Hz)
5	GFSK (500Kbps), From Adapter (120V/60Hz)
6	GFSK (500Kbps), From Adapter (240V/60Hz)
7	GFSK (1Mbps), From Adapter (120V/60Hz)
8	GFSK (1Mbps), From Adapter (240V/60Hz)
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiation Emissions (Above 1GHz)	
Test Mode	Operating Description
1	GFSK (1Mbps), From Adapter
2	GFSK (2Mbps), From Adapter
3	GFSK (125Kbps), From Adapter
4	GFSK (500Kbps), From Adapter
caused "Test Mode 1~4" generated the worst case, they were reported as the final data.	





Modulation Type	TX CONFIGURATION
GFSK (1Mbps)	1TX
GFSK (2Mbps)	1TX
GFSK (125Kbps)	1TX
GFSK (500Kbps)	1TX



### 2.4 Description of Test System

RF Conducted				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	lenovo	S1GL2W	N/A	N/A
testfixture	Mercury Electronics TECH.	MCS-73LV	N/A	N/A
USB Cable (A to B)	iMAX	BUSB3100AMA	1.5m / NS	N/A
Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
testfixture	Mercury Electronics TECH.	MCS-73LV	N/A	N/A
USB Cable (A to B)	iMAX	BUSB3100AMA	1.5m / NS	N/A
AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Notebook	ASUS	P2430U	N/A	Adapter / 1.8m / NS
testfixture	Mercury Electronics TECH.	MCS-73LV	N/A	N/A
USB Cable (A to B)	iMAX	BUSB3100AMA	1.5m / NS	N/A

**2.5 General Information of Test**

Test Site	<b>CerpPASS Technology Corporation Test Laboratory</b> 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	2022/08/15~2022/09/19	24.4~28°C / 45~58%	Leon Huang
Radiated Emissions	3M03-NK	2022/08/22~2022/08/23	21~22°C / 42~43%	Dian Chen
AC Power Line Conducted Emission	CON01-NK	2022/08/25	24°C / 48%	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(3M03-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Sunol	JB1	A051717	2022/7/22	2023/7/21
Active Loop Antenna	EMCO	6507	40855	2022/5/25	2023/5/24
Horn Antenna	EMCO	3115	31589	2022/04/08	2023/04/07
Horn Antenna	EMCO	3116	31974	2021/10/4	2022/10/3
EMI Receiver	ROHDE & SCHWARZ	ESCI	100821	2021/9/17	2022/9/16
Spectrum Analyzer	ROHDE & SCHWARZ	FSP 40	100219	2022/8/16	2023/8/15
Preamplifier	Agilent	8449B	3008A01954	2022/03/17	2023/03/16
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2021/11/16	2022/11/15
Preamplifier	EM Electronics corp.	EM01M06G	60686	2021/10/28	2022/10/27
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2022/3/21	2023/3/20
Cable-10m(30M-1G)	HUBER SUHNER	RG-214	01126M	2022/4/22	2023/4/21
Cable-1.5m(30M-1G)	HUBER SUHNER	RG-214	00420M	2022/6/21	2023/6/20
Cable-1m(30M-1G)	HUBER SUHNER	RG-214	01099M	2022/4/22	2023/4/21
Cable-6m(1G-26.5G)	HUBER SUHNER	SUCOFLEX 102	28417/2	2022/3/17	2023/3/16
Cable-0.5m(1G-18G)	EMEC	EM104-SMSM-0.5M	CCE1354	2022/5/26	2023/5/25
Cable-3m(1G-18G)	EMEC	EM104-SMSM-3M	CCE1355	2022/5/26	2023/5/25
Cable-0.5m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY4569/2	2021/9/3	2022/9/2
Cable-1m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY5739/2	2021/9/3	2022/9/2
Cable-6m(1G-40G)	HUBER SUHNER	SUCOFLEX 102	MY5740/2	2021/9/3	2022/9/2
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	100821	2021/11/15	2022/11/14
Line Impedance Stabilization Network	Schwarzbeck	NSLK 8127	8127-516	2021/10/05	2022/10/04
Pulse Limiter	ROHDE & SCHWARZ	ESH3-Z2	101934	2022/03/21	2023/03/20
Cable-6m(9k~300M)	NA	EMC5D-BM-BM-6	130606	2022/03/21	2023/03/20
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	Patch Antenna
Antenna Gain	2.935 dBi



## 5. Test of AC Power Line Conducted Emission

### 5.1 Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz, according to the methods defined in ANSI C63.10-2013. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

Frequency (MHz)	Quasi Peak (dB $\mu$ V)	Average (dB $\mu$ 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.

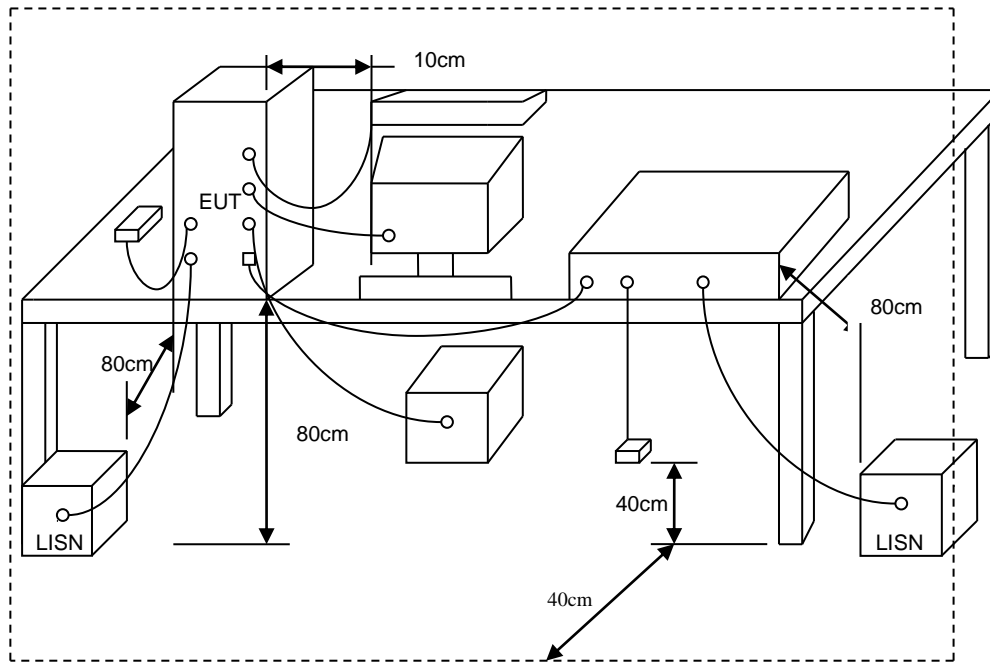
### 5.2 Test Procedures

- 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.





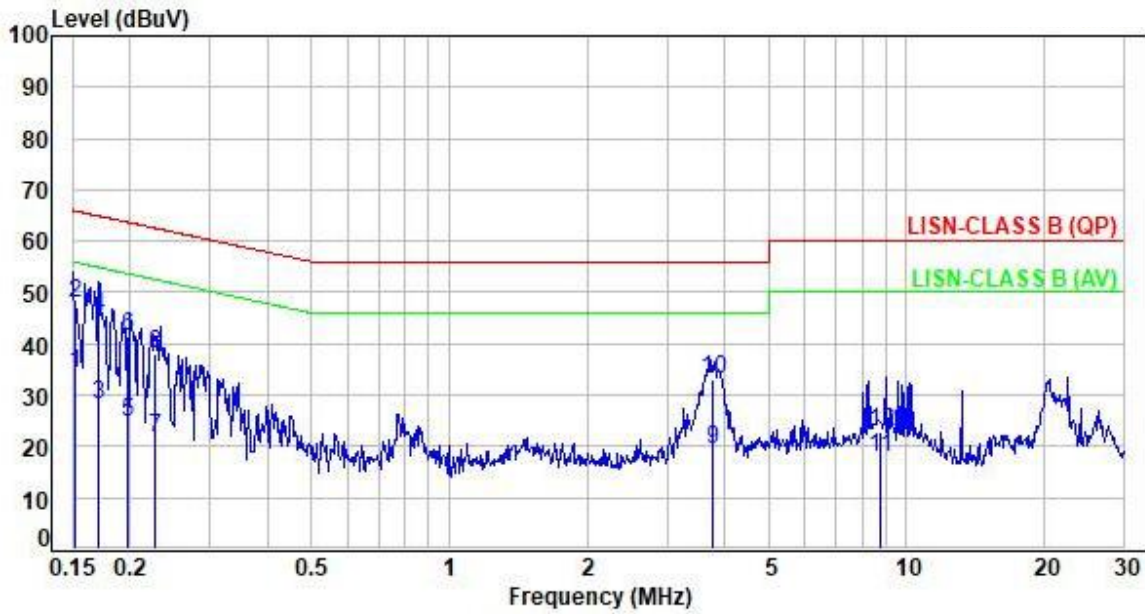
### 5.3 Typical Test Setup





5.4 Test Result and Data

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

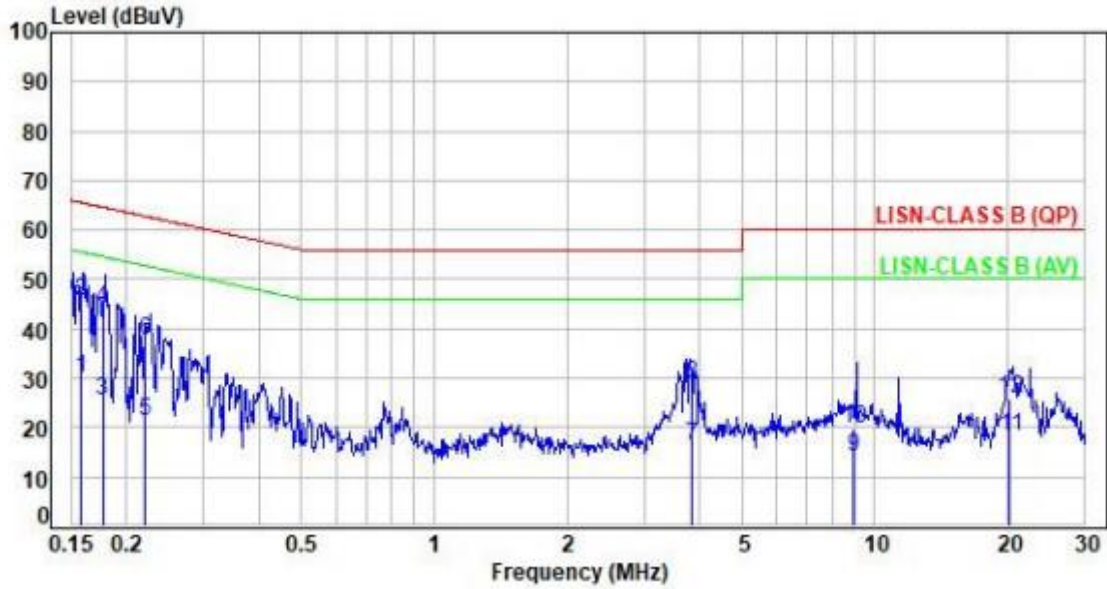


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.15	9.92	24.37	34.29	55.90	-21.61	Average	P
2	0.15	9.92	38.12	48.04	65.90	-17.86	QP	P
3	0.17	9.92	18.19	28.11	54.92	-26.81	Average	P
4	0.17	9.92	35.36	45.28	64.92	-19.64	QP	P
5	0.20	9.91	14.76	24.67	53.69	-29.02	Average	P
6	0.20	9.91	31.54	41.45	63.69	-22.24	QP	P
7	0.23	9.91	11.87	21.78	52.52	-30.74	Average	P
8	0.23	9.91	27.96	37.87	62.52	-24.65	QP	P
9	3.76	9.93	9.50	19.43	46.00	-26.57	Average	P
10	3.76	9.93	23.22	33.15	56.00	-22.85	QP	P
11	8.76	10.03	7.73	17.76	50.00	-32.24	Average	P
12	8.76	10.03	12.62	22.65	60.00	-37.35	QP	P

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



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



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.16	9.90	20.17	30.07	55.61	-25.54	Average	P
2	0.16	9.90	35.91	45.81	65.61	-19.80	QP	P
3	0.18	9.89	15.50	25.39	54.64	-29.25	Average	P
4	0.18	9.89	34.15	44.04	64.64	-20.60	QP	P
5	0.22	9.89	11.51	21.40	52.81	-31.41	Average	P
6	0.22	9.89	27.90	37.79	62.81	-25.02	QP	P
7	3.83	9.85	6.38	16.23	46.00	-29.77	Average	P
8	3.83	9.85	19.09	28.94	56.00	-27.06	QP	P
9	8.92	9.91	4.34	14.25	50.00	-35.75	Average	P
10	8.92	9.91	10.00	19.91	60.00	-40.09	QP	P
11	20.27	10.09	7.98	18.07	50.00	-31.93	Average	P
12	20.27	10.09	15.68	25.77	60.00	-34.23	QP	P

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



## 6. Test of Spurious Emission (Radiated)

### 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.

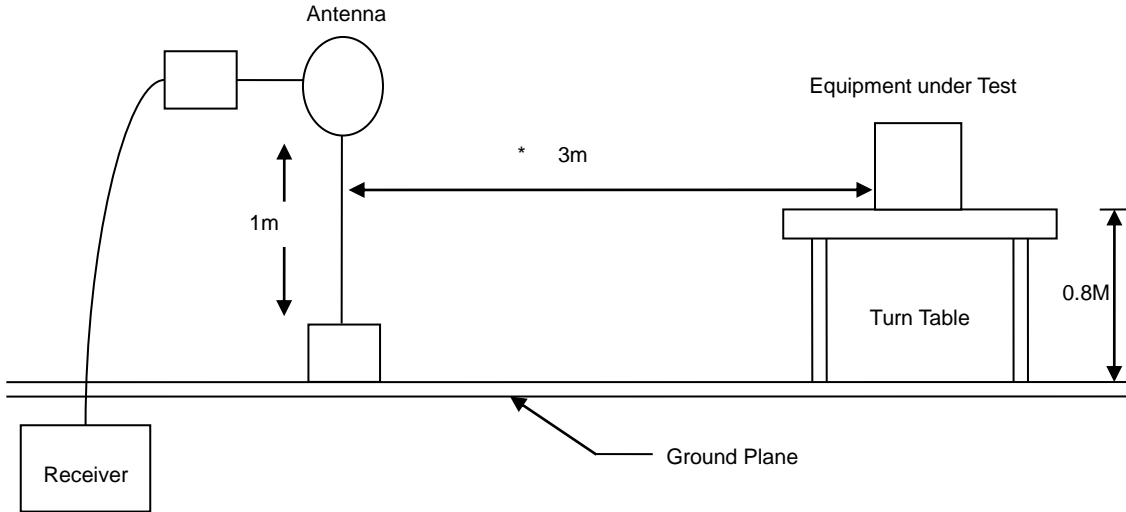
Note:

- 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.  
(Z-AXIS is the worst.)
- 2.Due to the test software function limit the operation band setting(200dBuV/m).  
There's no corresponding limitation in the actual test item.

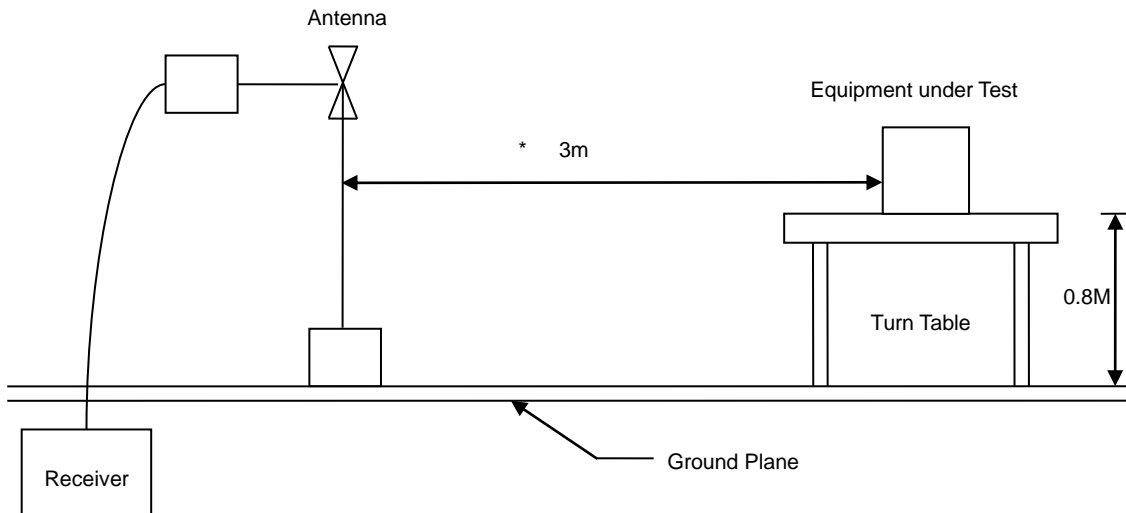


### 6.3 Typical Test Setup

Below 30MHz test setup

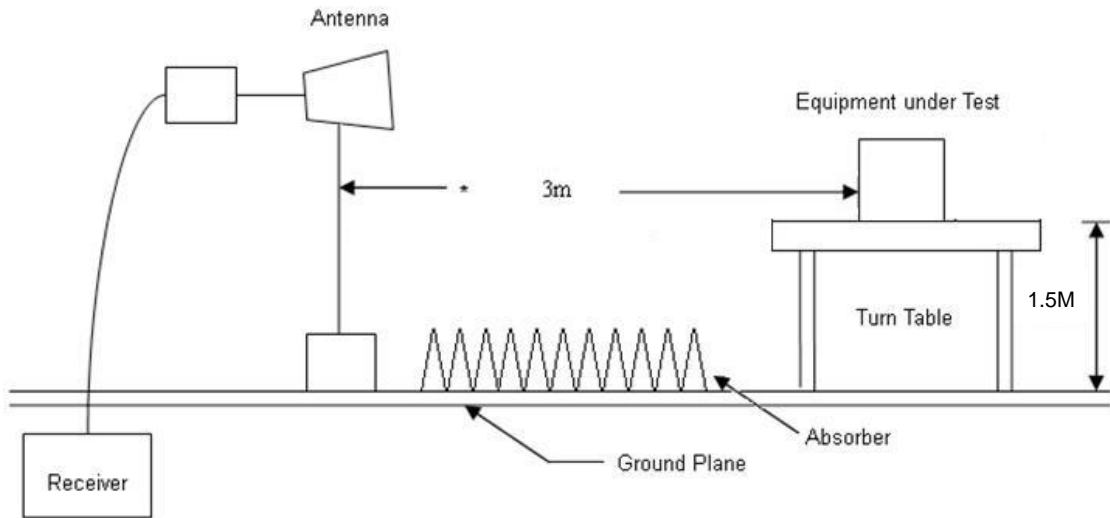


30MHz- 1GHz Test Setup





Above 1GHz Test Setup



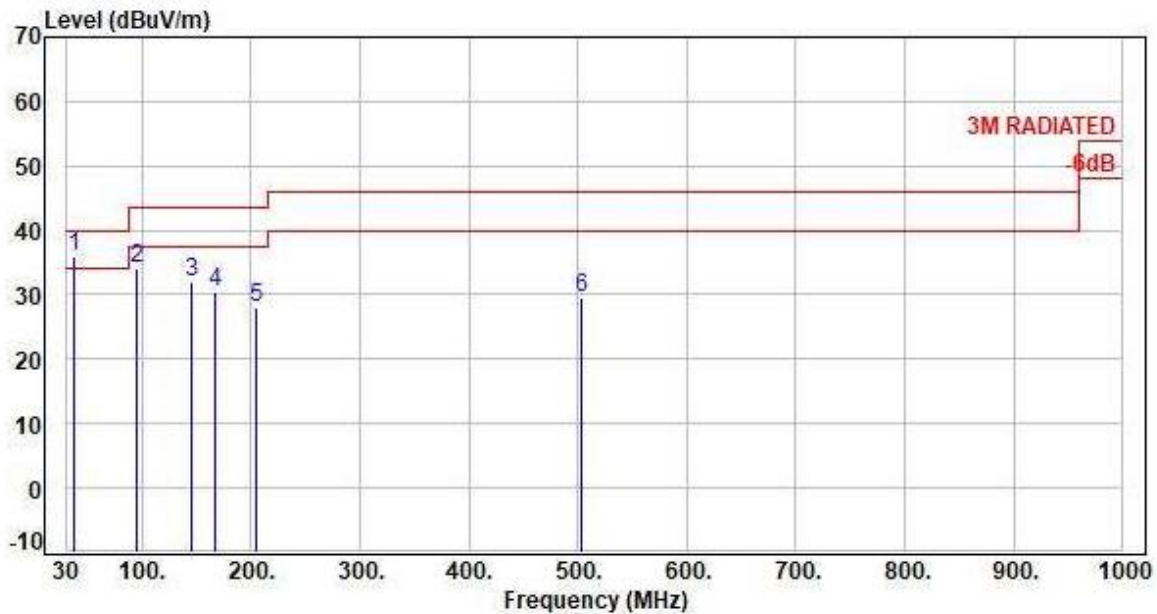


### 6.4 Test Result and Data (9kHz ~ 30MHz)

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

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

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



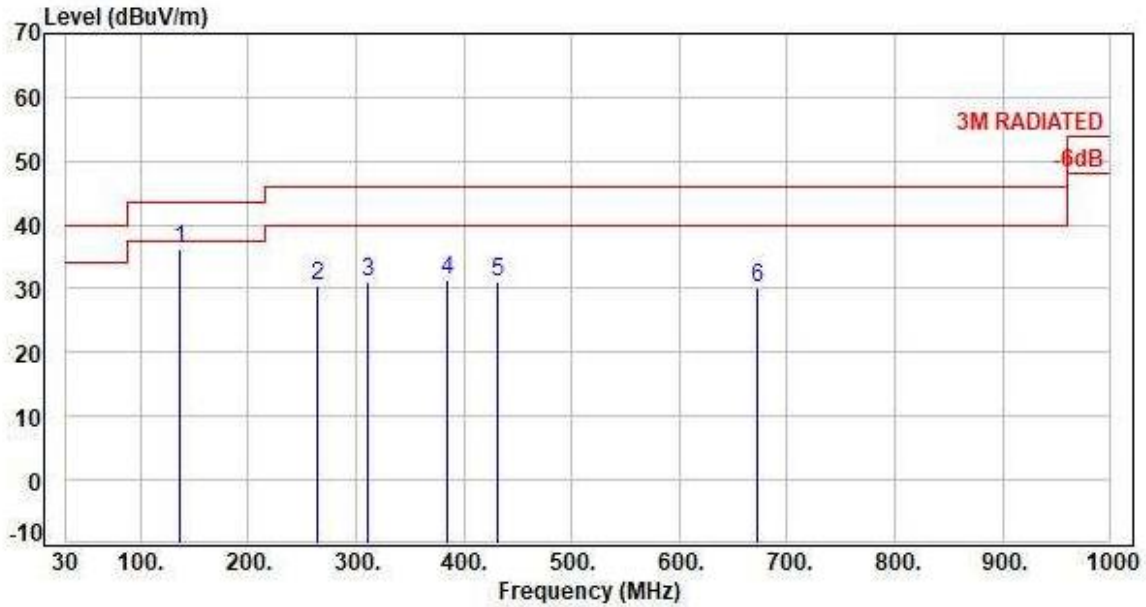
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	36.79	-12.03	47.96	35.93	40.00	-4.07	Peak	400	360	P
2	95.96	-19.66	53.90	34.24	43.50	-9.26	Peak	400	360	P
3	145.43	-15.38	47.35	31.97	43.50	-11.53	Peak	400	360	P
4	167.74	-16.07	46.41	30.34	43.50	-13.16	Peak	400	360	P
5	205.57	-16.85	44.91	28.06	43.50	-15.44	Peak	400	360	P
6	503.36	-8.79	38.38	29.59	46.00	-16.41	Peak	400	360	P

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





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



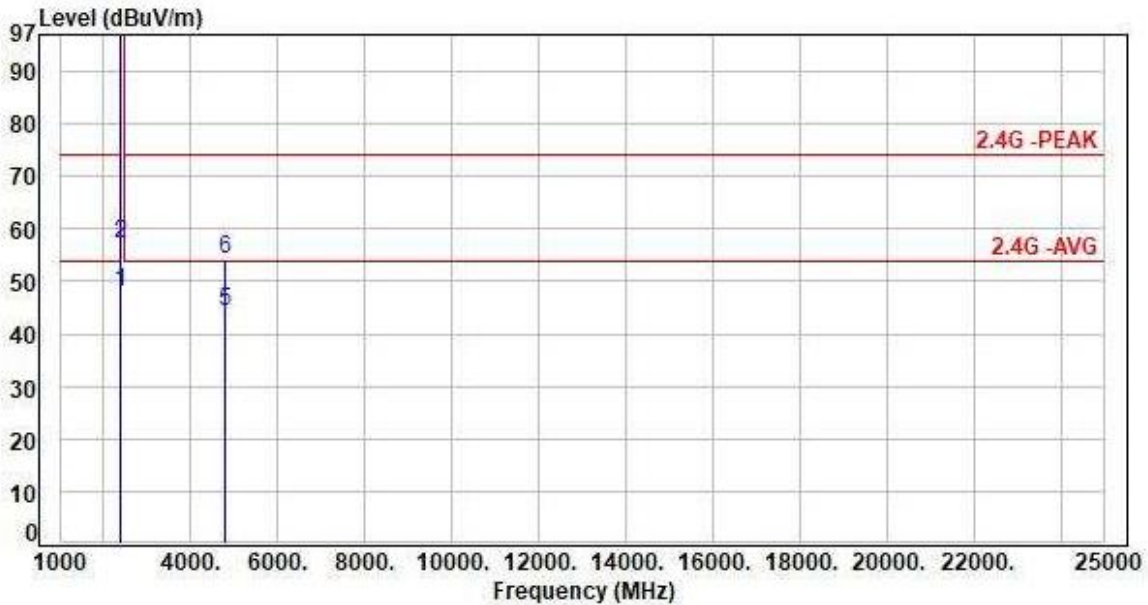
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	136.70	-14.87	50.96	36.09	43.50	-7.41	Peak	100	0	P
2	264.74	-14.54	45.06	30.52	46.00	-15.48	Peak	100	0	P
3	311.30	-13.46	44.54	31.08	46.00	-14.92	Peak	100	0	P
4	384.05	-11.70	43.13	31.43	46.00	-14.57	Peak	100	0	P
5	431.58	-10.46	41.55	31.09	46.00	-14.91	Peak	100	0	P
6	672.14	-5.90	36.15	30.25	46.00	-15.75	Peak	100	0	P

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



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

Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH00		:

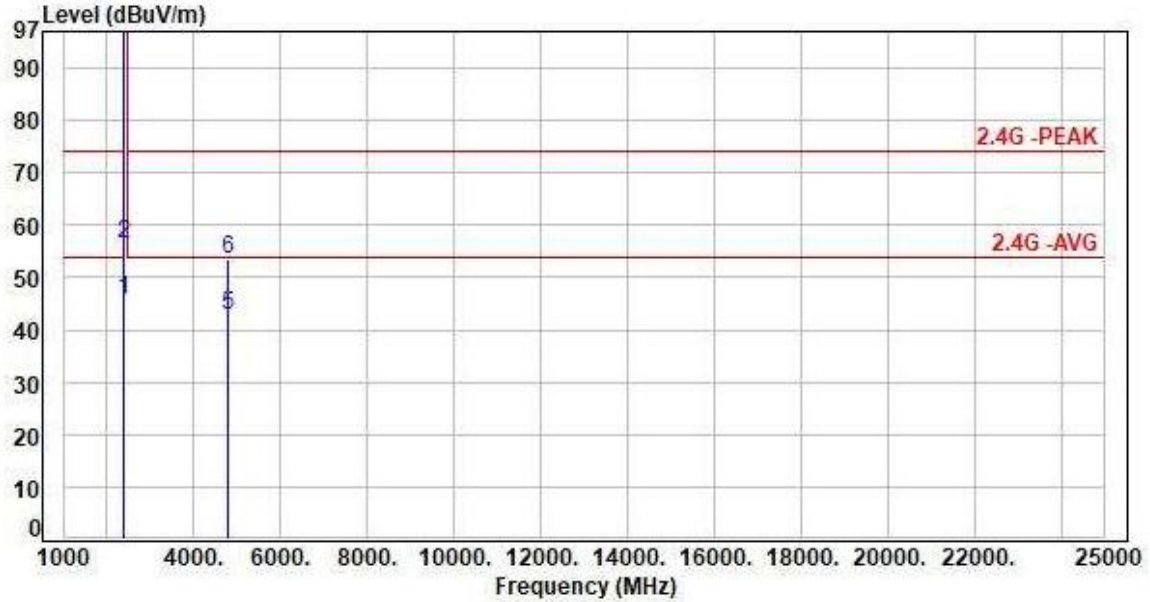


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	49.15	47.77	54.00	-6.23	Average	100	27	P
2	2390.00	-1.38	58.52	57.14	74.00	-16.86	Peak	100	27	P
3	2402.00	-1.35	115.70	114.35	200.00	-85.65	Average	100	27	P
4	2402.00	-1.35	116.93	115.58	200.00	-84.42	Peak	100	27	P
5	4804.00	6.91	37.46	44.37	54.00	-9.63	Average	100	64	P
6	4804.00	6.91	47.33	54.24	74.00	-19.76	Peak	100	64	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH00		:

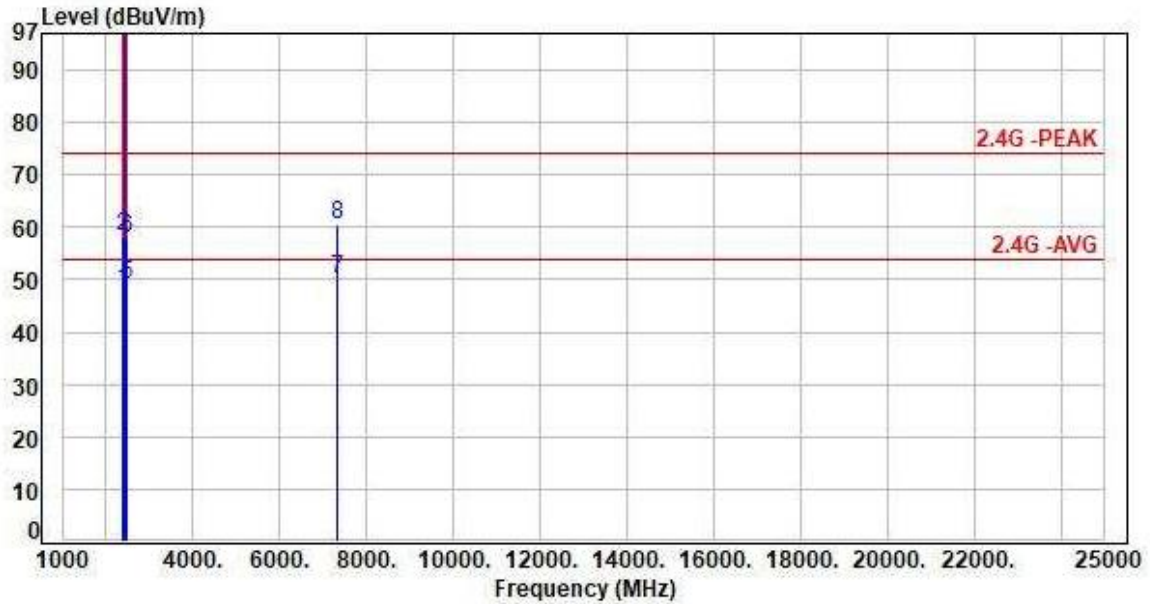


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	47.24	45.86	54.00	-8.14	Average	100	51	P
2	2390.00	-1.38	57.79	56.41	74.00	-17.59	Peak	100	51	P
3	2402.00	-1.35	110.86	109.51	200.00	-90.49	Average	100	51	P
4	2402.00	-1.35	112.10	110.75	200.00	-89.25	Peak	100	51	P
5	4804.00	6.91	35.89	42.80	54.00	-11.20	Average	106	138	P
6	4804.00	6.91	46.45	53.36	74.00	-20.64	Peak	106	138	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH19		:

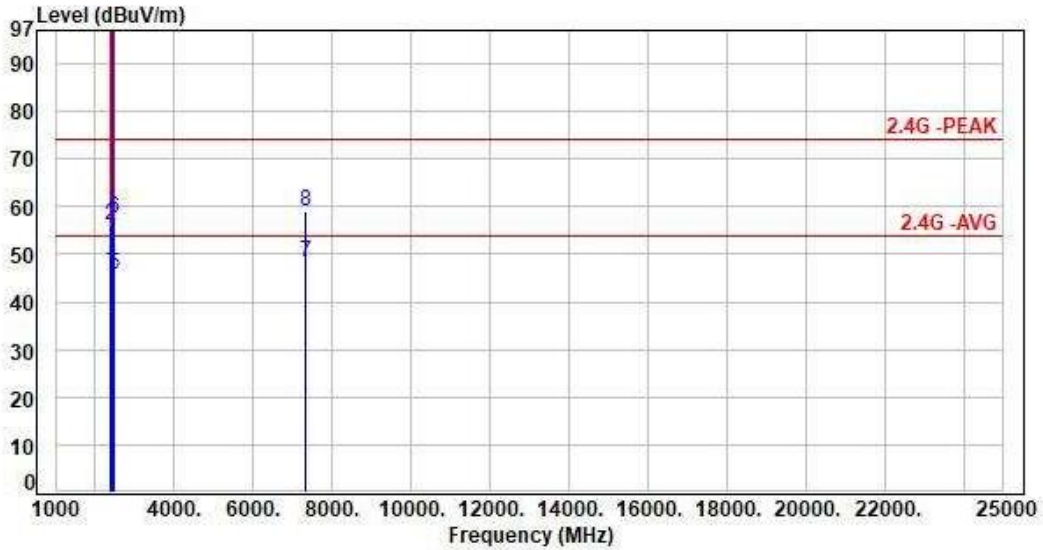


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	49.24	47.86	54.00	-6.14	Average	109	57	P
2	2390.00	-1.38	59.75	58.37	74.00	-15.63	Peak	109	57	P
3	2440.00	-1.13	116.89	115.76	200.00	-84.24	Average	109	57	P
4	2440.00	-1.13	118.14	117.01	200.00	-82.99	Peak	109	57	P
5	2483.50	-0.94	49.96	49.02	54.00	-4.98	Average	109	57	P
6	2483.50	-0.94	58.71	57.77	74.00	-16.23	Peak	109	57	P
7	7320.00	13.45	36.65	50.10	54.00	-3.90	Average	100	23	P
8	7320.00	13.45	46.85	60.30	74.00	-13.70	Peak	100	23	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH19		:

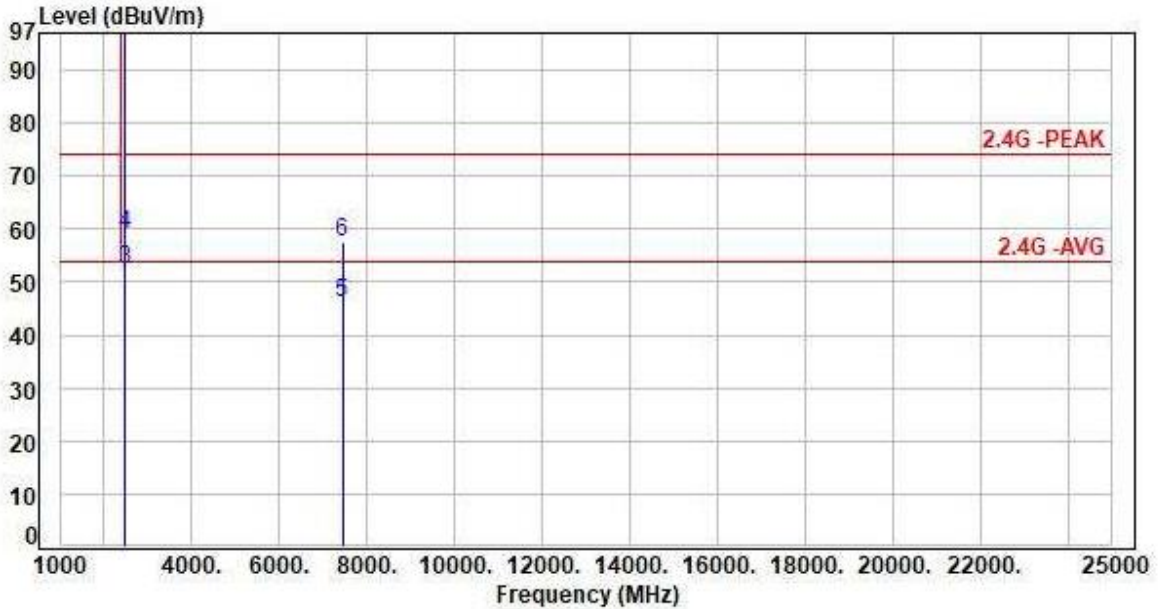


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	47.86	46.48	54.00	-7.52	Average	117	54	P
2	2390.00	-1.38	57.51	56.13	74.00	-17.87	Peak	117	54	P
3	2440.00	-1.13	110.24	109.11	200.00	-90.89	Average	117	54	P
4	2440.00	-1.13	111.50	110.37	200.00	-89.63	Peak	117	54	P
5	2483.50	-0.94	46.76	45.82	54.00	-8.18	Average	117	54	P
6	2483.50	-0.94	58.35	57.41	74.00	-16.59	Peak	117	54	P
7	7320.00	13.45	34.97	48.42	54.00	-5.58	Average	100	267	P
8	7320.00	13.45	45.39	58.84	74.00	-15.16	Peak	100	267	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 1, CH39		:

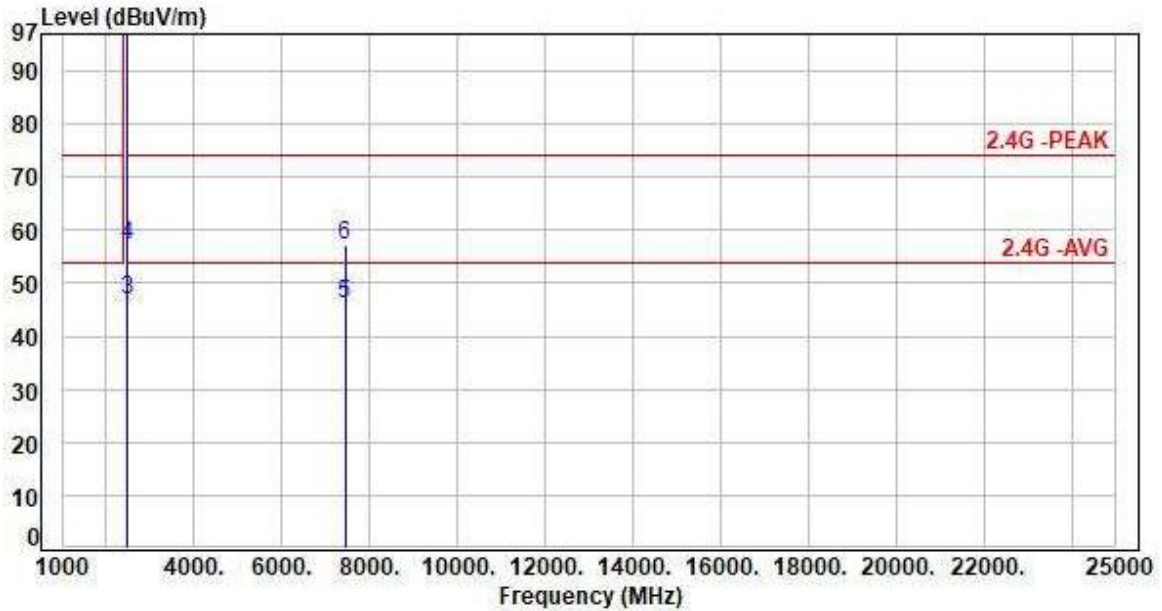


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-0.96	108.57	107.61	200.00	-92.39	Average	116	58	P
2	2480.00	-0.96	109.83	108.87	200.00	-91.13	Peak	116	58	P
3	2483.50	-0.94	53.32	52.38	54.00	-1.62	Average	116	58	P
4	2483.50	-0.94	59.80	58.86	74.00	-15.14	Peak	116	58	P
5	7440.00	13.90	32.14	46.04	54.00	-7.96	Average	100	23	P
6	7440.00	13.90	43.77	57.67	74.00	-16.33	Peak	100	23	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH39		:

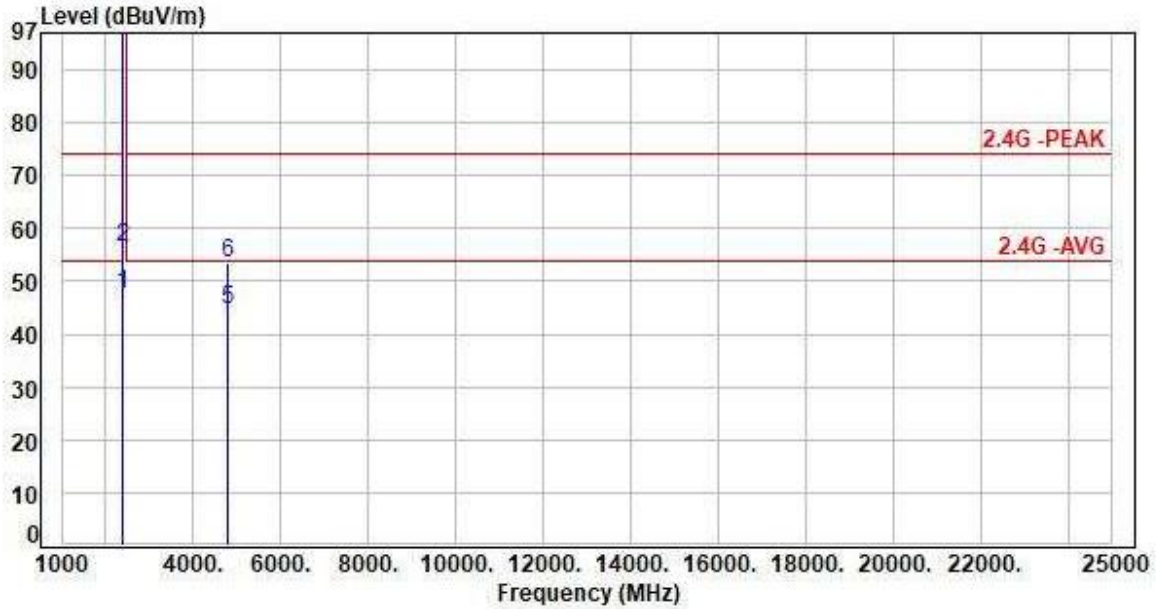


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-0.96	101.03	100.07	200.00	-99.93	Average	100	52	P
2	2480.00	-0.96	102.51	101.55	200.00	-98.45	Peak	100	52	P
3	2483.50	-0.94	47.90	46.96	54.00	-7.04	Average	100	52	P
4	2483.50	-0.94	58.08	57.14	74.00	-16.86	Peak	100	52	P
5	7440.00	13.90	32.22	46.12	54.00	-7.88	Average	100	272	P
6	7440.00	13.90	43.28	57.18	74.00	-16.82	Peak	100	272	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH00		:



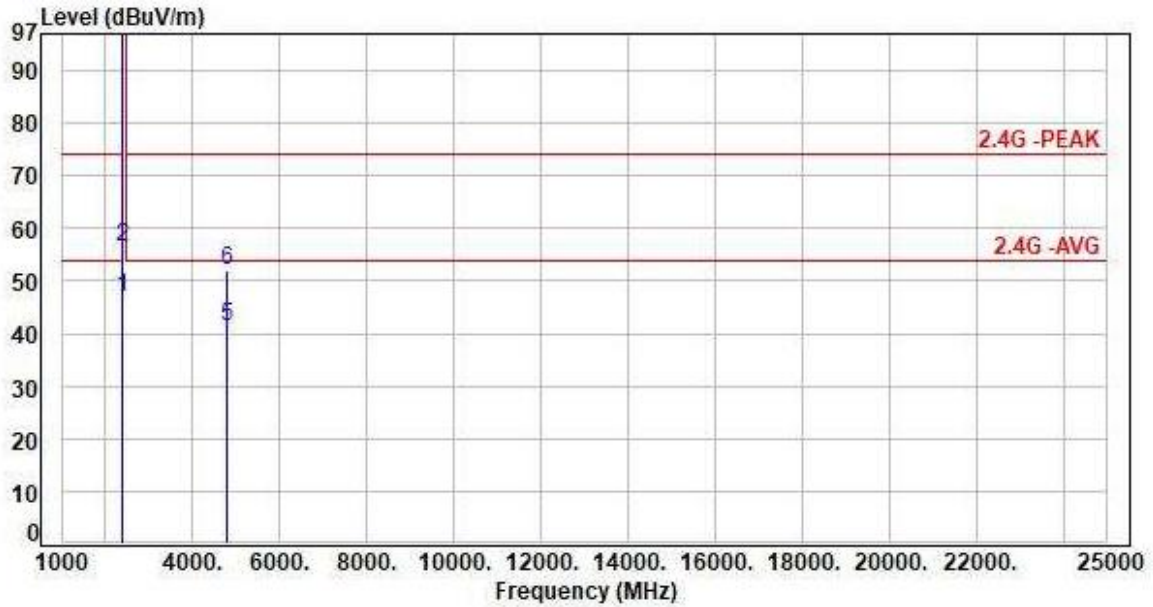
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	48.92	47.54	54.00	-6.46	Average	100	26	P
2	2390.00	-1.38	57.98	56.60	74.00	-17.40	Peak	100	26	P
3	2402.00	-1.35	113.69	112.34	200.00	-87.66	Average	100	26	P
4	2402.00	-1.35	116.48	115.13	200.00	-84.87	Peak	100	26	P
5	4804.00	6.91	37.67	44.58	54.00	-9.42	Average	100	65	P
6	4804.00	6.91	46.49	53.40	74.00	-20.60	Peak	100	65	P

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





Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH00		:

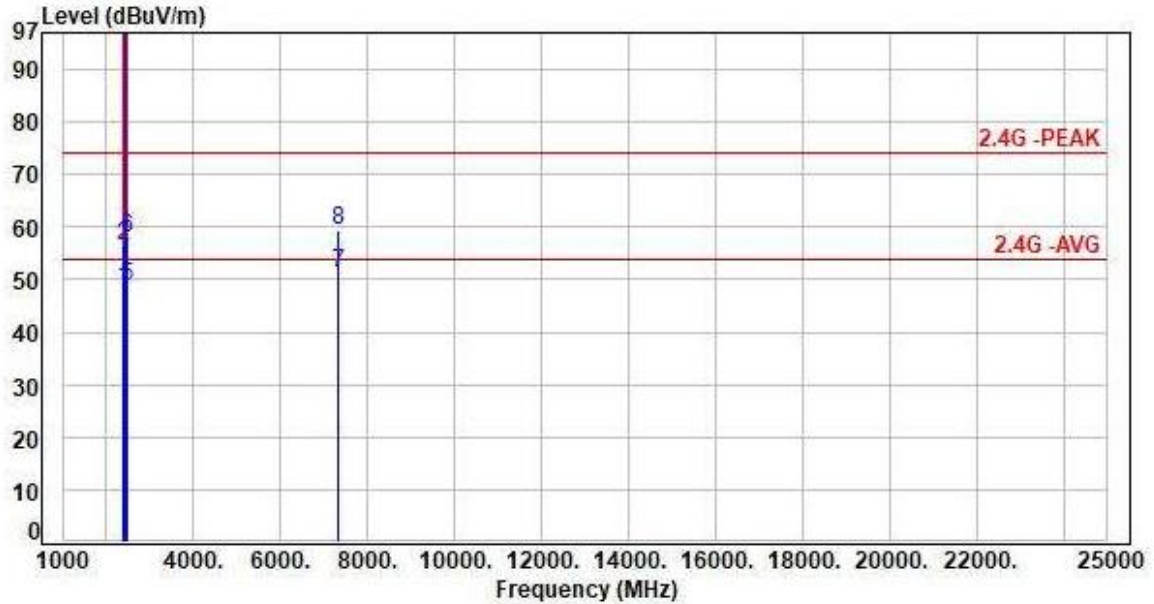


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	48.35	46.97	54.00	-7.03	Average	100	49	P
2	2390.00	-1.38	57.83	56.45	74.00	-17.55	Peak	100	49	P
3	2402.00	-1.35	108.67	107.32	200.00	-92.68	Average	100	49	P
4	2402.00	-1.35	111.47	110.12	200.00	-89.88	Peak	100	49	P
5	4804.00	6.91	34.28	41.19	54.00	-12.81	Average	103	140	P
6	4804.00	6.91	45.24	52.15	74.00	-21.85	Peak	103	140	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH19		:

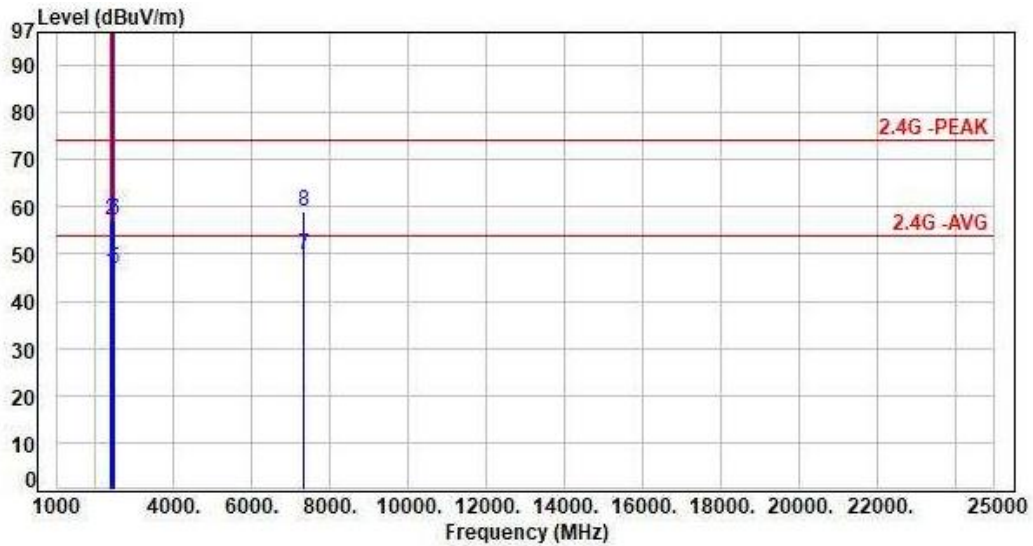


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	49.58	48.20	54.00	-5.80	Average	100	55	P
2	2390.00	-1.38	57.81	56.43	74.00	-17.57	Peak	100	55	P
3	2440.00	-1.13	115.27	114.14	200.00	-85.86	Average	100	55	P
4	2440.00	-1.13	118.02	116.89	200.00	-83.11	Peak	100	55	P
5	2483.50	-0.94	49.67	48.73	54.00	-5.27	Average	100	55	P
6	2483.50	-0.94	59.02	58.08	74.00	-15.92	Peak	100	55	P
7	7320.00	13.45	37.84	51.29	54.00	-2.71	Average	100	22	P
8	7320.00	13.45	46.07	59.52	74.00	-14.48	Peak	100	22	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH19		:

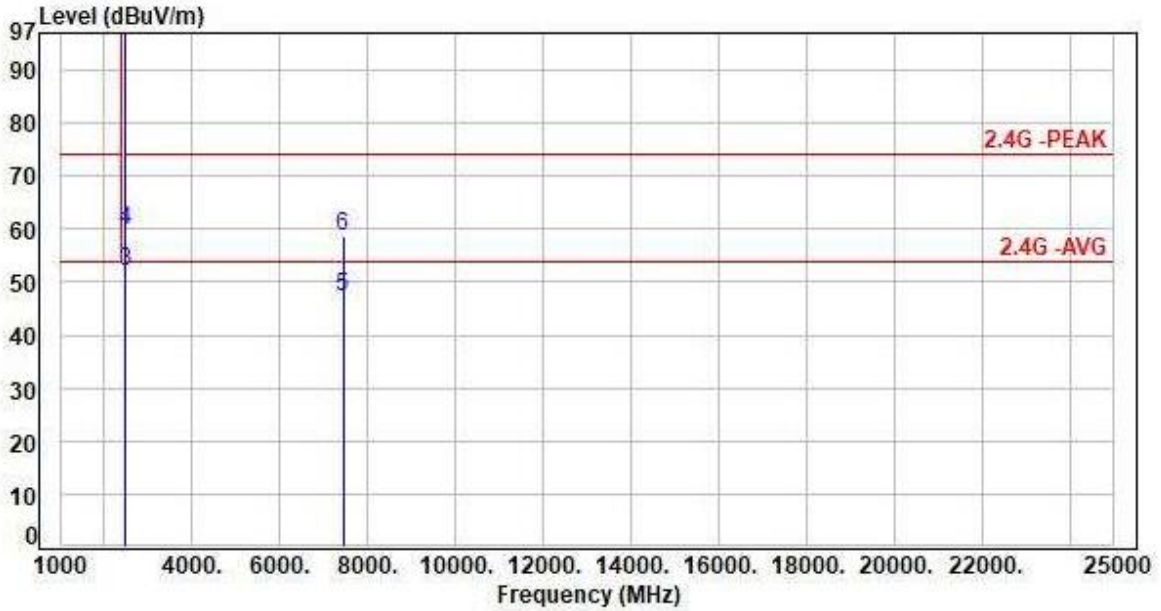


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	47.66	46.28	54.00	-7.72	Average	163	55	P
2	2390.00	-1.38	58.66	57.28	74.00	-16.72	Peak	163	55	P
3	2440.00	-1.13	108.61	107.48	200.00	-92.52	Average	163	55	P
4	2440.00	-1.13	111.37	110.24	200.00	-89.76	Peak	163	55	P
5	2483.50	-0.94	47.68	46.74	54.00	-7.26	Average	163	55	P
6	2483.50	-0.94	57.93	56.99	74.00	-17.01	Peak	163	55	P
7	7320.00	13.45	36.21	49.66	54.00	-4.34	Average	100	269	P
8	7320.00	13.45	45.73	59.18	74.00	-14.82	Peak	100	269	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 2, CH39		:

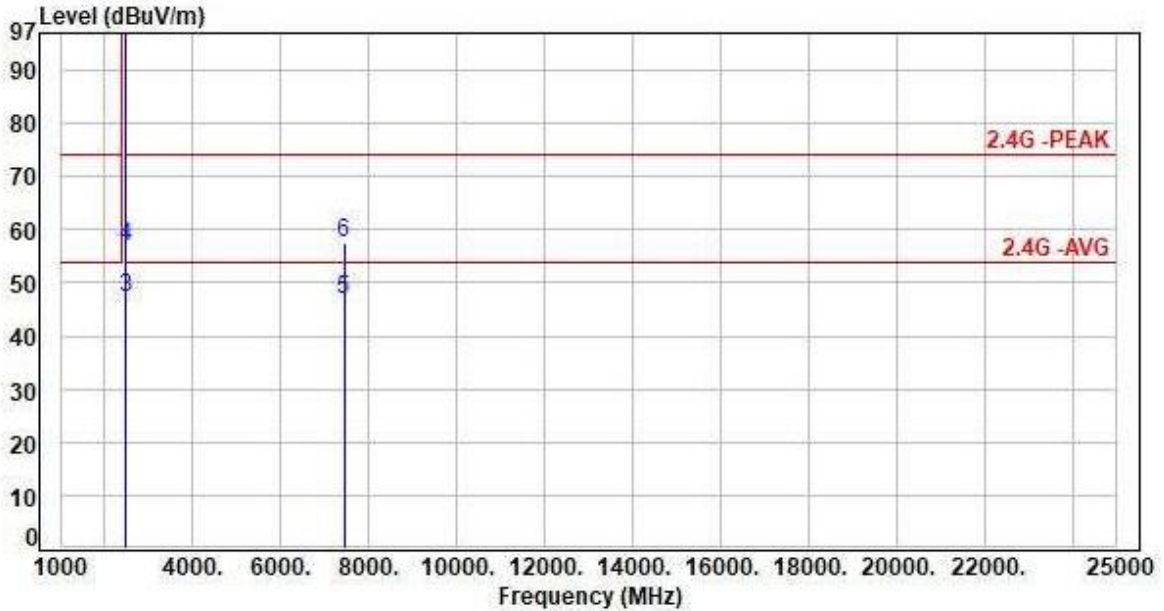


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-0.96	104.22	103.26	200.00	-96.74	Average	119	56	P
2	2480.00	-0.96	106.96	106.00	200.00	-94.00	Peak	119	56	P
3	2483.50	-0.94	53.05	52.11	54.00	-1.89	Average	119	56	P
4	2483.50	-0.94	60.84	59.90	74.00	-14.10	Peak	119	56	P
5	7440.00	13.90	33.28	47.18	54.00	-6.82	Average	100	24	P
6	7440.00	13.90	44.58	58.48	74.00	-15.52	Peak	100	24	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 2, CH39		:

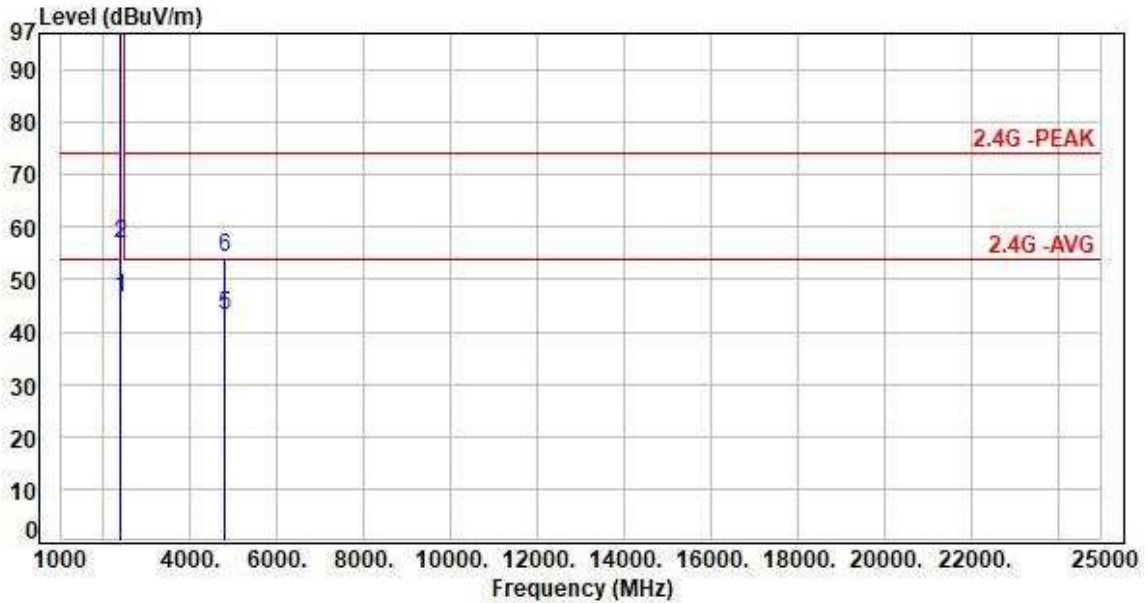


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-0.96	97.02	96.06	200.00	-103.94	Average	100	54	P
2	2480.00	-0.96	100.00	99.04	200.00	-100.96	Peak	100	54	P
3	2483.50	-0.94	48.09	47.15	54.00	-6.85	Average	100	54	P
4	2483.50	-0.94	57.66	56.72	74.00	-17.28	Peak	100	54	P
5	7440.00	13.90	32.89	46.79	54.00	-7.21	Average	100	275	P
6	7440.00	13.90	43.72	57.62	74.00	-16.38	Peak	100	275	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, CH00		:

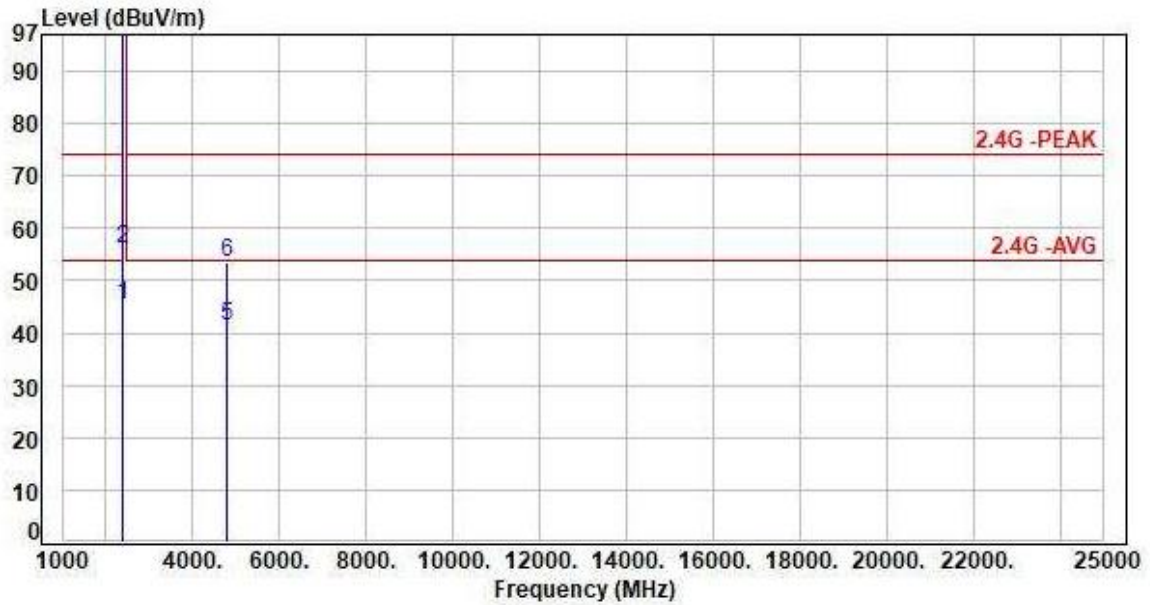


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	47.83	46.45	54.00	-7.55	Average	100	27	P
2	2390.00	-1.38	58.34	56.96	74.00	-17.04	Peak	100	27	P
3	2402.00	-1.35	114.88	113.53	200.00	-86.47	Average	100	27	P
4	2402.00	-1.35	116.53	115.18	200.00	-84.82	Peak	100	27	P
5	4804.00	6.91	36.35	43.26	54.00	-10.74	Average	101	67	P
6	4804.00	6.91	47.46	54.37	74.00	-19.63	Peak	101	67	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH00		:

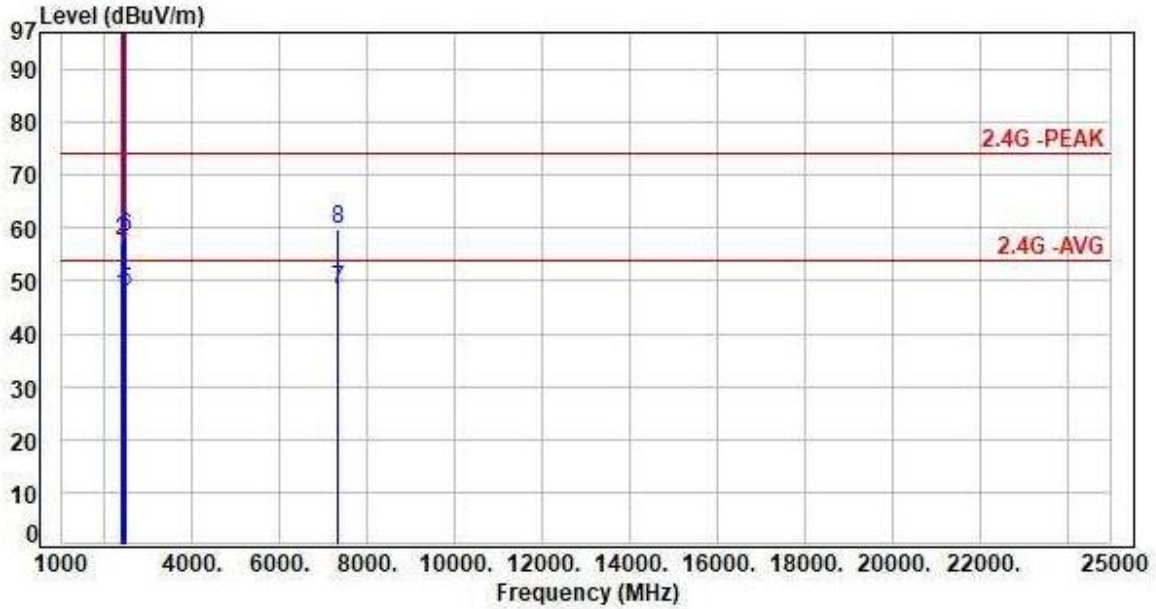


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	46.60	45.22	54.00	-8.78	Average	100	53	P
2	2390.00	-1.38	57.60	56.22	74.00	-17.78	Peak	100	53	P
3	2402.00	-1.35	109.98	108.63	200.00	-91.37	Average	100	53	P
4	2402.00	-1.35	111.52	110.17	200.00	-89.83	Peak	100	53	P
5	4804.00	6.91	34.35	41.26	54.00	-12.74	Average	108	139	P
6	4804.00	6.91	46.43	53.34	74.00	-20.66	Peak	108	139	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, CH19		:



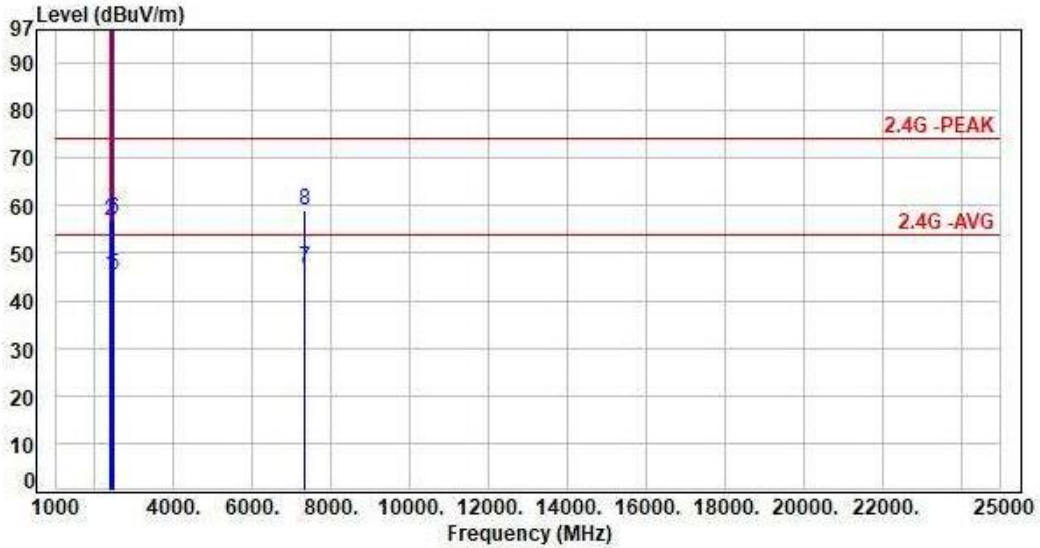
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	48.73	47.35	54.00	-6.65	Average	100	56	P
2	2390.00	-1.38	58.76	57.38	74.00	-16.62	Peak	100	56	P
3	2440.00	-1.13	116.45	115.32	200.00	-84.68	Average	100	56	P
4	2440.00	-1.13	117.85	116.72	200.00	-83.28	Peak	100	56	P
5	2483.50	-0.94	48.94	48.00	54.00	-6.00	Average	100	56	P
6	2483.50	-0.94	59.08	58.14	74.00	-15.86	Peak	100	56	P
7	7320.00	13.45	34.86	48.31	54.00	-5.69	Average	100	22	P
8	7320.00	13.45	46.28	59.73	74.00	-14.27	Peak	100	22	P

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





Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH19		:

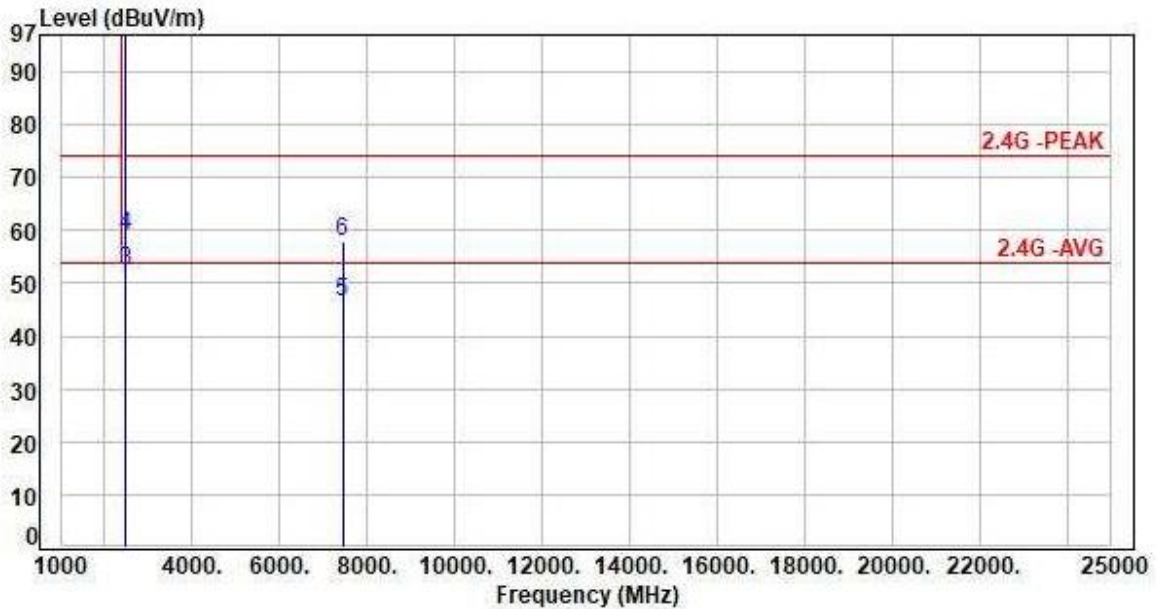


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	46.63	45.25	54.00	-8.75	Average	100	55	P
2	2390.00	-1.38	58.02	56.64	74.00	-17.36	Peak	100	55	P
3	2440.00	-1.13	109.64	108.51	200.00	-91.49	Average	100	55	P
4	2440.00	-1.13	110.48	109.35	200.00	-90.65	Peak	100	55	P
5	2483.50	-0.94	46.38	45.44	54.00	-8.56	Average	100	55	P
6	2483.50	-0.94	58.17	57.23	74.00	-16.77	Peak	100	55	P
7	7320.00	13.45	33.54	46.99	54.00	-7.01	Average	100	268	P
8	7320.00	13.45	45.63	59.08	74.00	-14.92	Peak	100	268	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 3, CH39		:

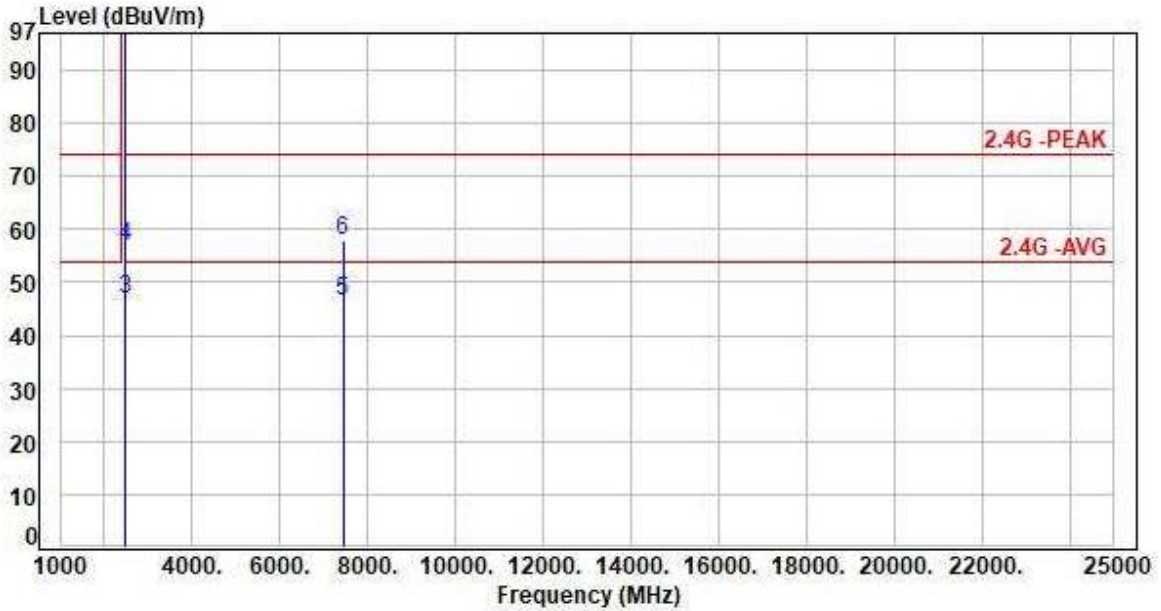


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-0.96	108.44	107.48	200.00	-92.52	Average	100	25	P
2	2480.00	-0.96	110.16	109.20	200.00	-90.80	Peak	100	25	P
3	2483.50	-0.94	53.35	52.41	54.00	-1.59	Average	100	25	P
4	2483.50	-0.94	59.85	58.91	74.00	-15.09	Peak	100	25	P
5	7440.00	13.90	32.44	46.34	54.00	-7.66	Average	100	25	P
6	7440.00	13.90	43.86	57.76	74.00	-16.24	Peak	100	25	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 3, CH39		:

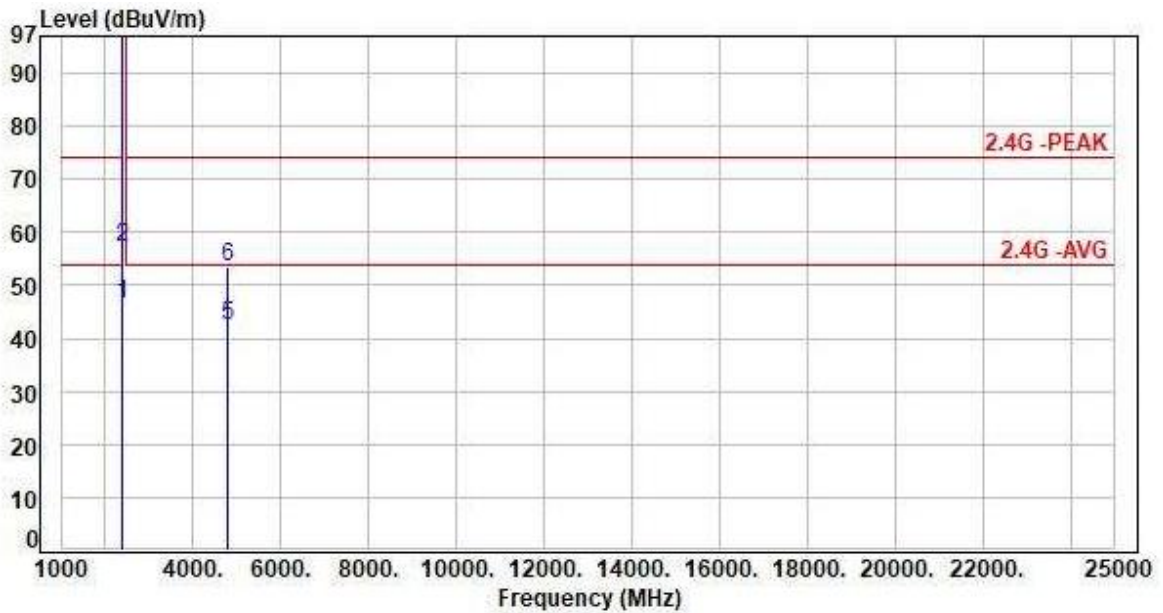


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-0.96	100.85	99.89	200.00	-100.11	Average	100	53	P
2	2480.00	-0.96	102.26	101.30	200.00	-98.70	Peak	100	53	P
3	2483.50	-0.94	47.68	46.74	54.00	-7.26	Average	100	53	P
4	2483.50	-0.94	57.77	56.83	74.00	-17.17	Peak	100	53	P
5	7440.00	13.90	32.48	46.38	54.00	-7.62	Average	110	271	P
6	7440.00	13.90	44.16	58.06	74.00	-15.94	Peak	110	271	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, CH00		:

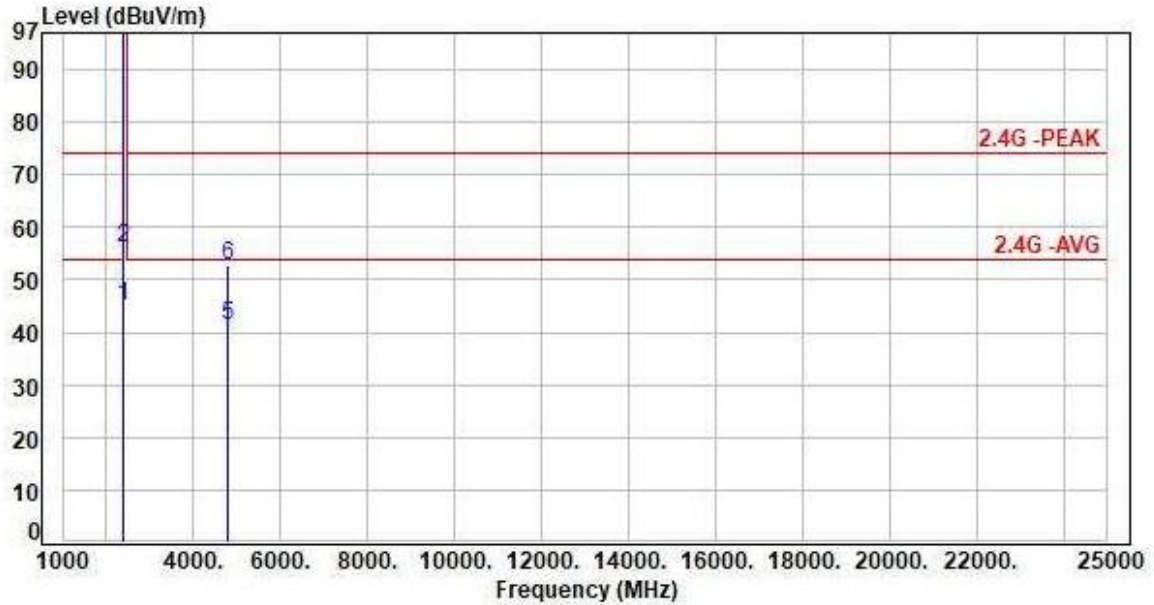


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	47.97	46.59	54.00	-7.41	Average	100	28	P
2	2390.00	-1.38	58.46	57.08	74.00	-16.92	Peak	100	28	P
3	2402.00	-1.35	114.90	113.55	200.00	-86.45	Average	100	28	P
4	2402.00	-1.35	116.32	114.97	200.00	-85.03	Peak	100	28	P
5	4804.00	6.91	35.54	42.45	54.00	-11.55	Average	100	66	P
6	4804.00	6.91	46.74	53.65	74.00	-20.35	Peak	100	66	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, CH00		:

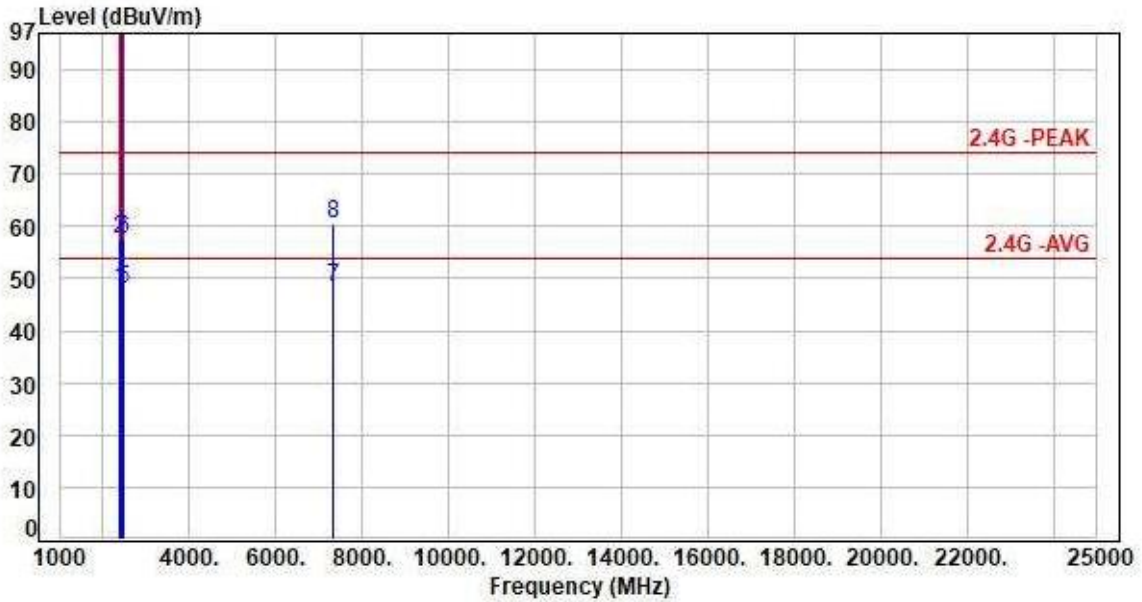


No.	Frequency (MHz)	Factor (dB)	Reading (dBUV)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	46.42	45.04	54.00	-8.96	Average	100	51	P
2	2390.00	-1.38	57.56	56.18	74.00	-17.82	Peak	100	51	P
3	2402.00	-1.35	110.16	108.81	200.00	-91.19	Average	100	51	P
4	2402.00	-1.35	111.52	110.17	200.00	-89.83	Peak	100	51	P
5	4804.00	6.91	34.45	41.36	54.00	-12.64	Average	103	137	P
6	4804.00	6.91	45.71	52.62	74.00	-21.38	Peak	103	137	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, CH19		:

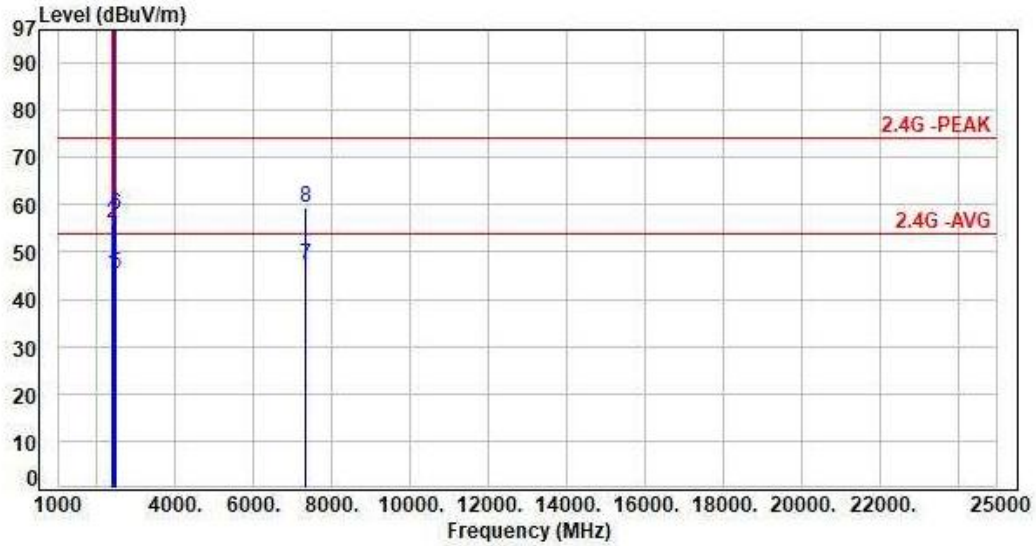


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	49.47	48.09	54.00	-5.91	Average	100	54	P
2	2390.00	-1.38	58.93	57.55	74.00	-16.45	Peak	100	54	P
3	2440.00	-1.13	116.48	115.35	200.00	-84.65	Average	100	54	P
4	2440.00	-1.13	117.88	116.75	200.00	-83.25	Peak	100	54	P
5	2483.50	-0.94	49.03	48.09	54.00	-5.91	Average	100	54	P
6	2483.50	-0.94	58.65	57.71	74.00	-16.29	Peak	100	54	P
7	7320.00	13.45	35.01	48.46	54.00	-5.54	Average	100	21	P
8	7320.00	13.45	46.86	60.31	74.00	-13.69	Peak	100	21	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 4, CH19		:

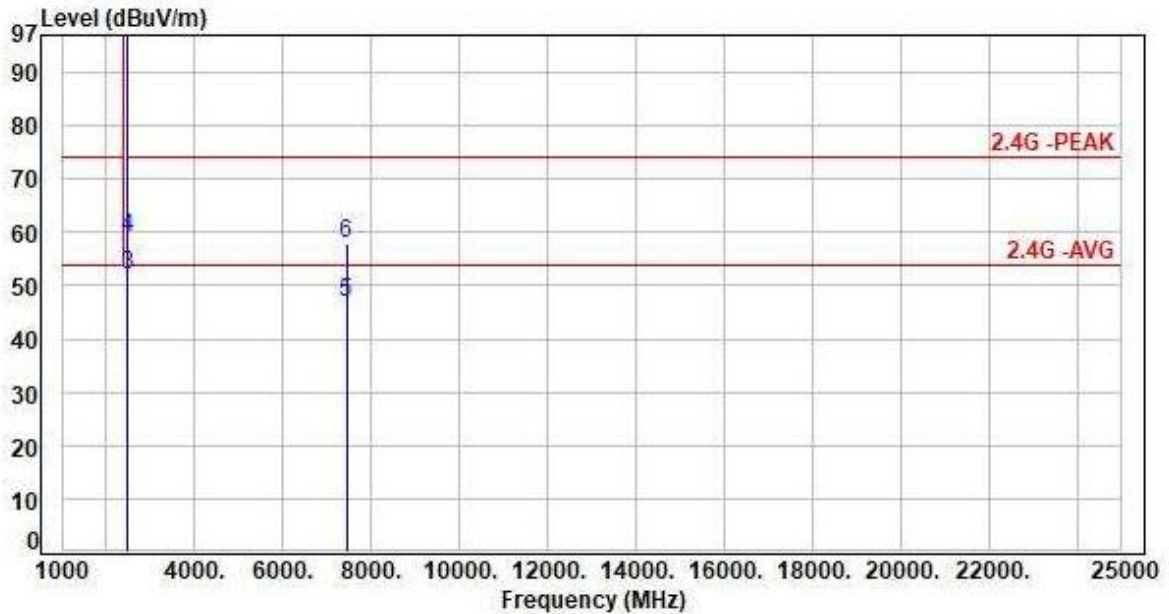


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2390.00	-1.38	46.62	45.24	54.00	-8.76	Average	161	54	P
2	2390.00	-1.38	57.56	56.18	74.00	-17.82	Peak	161	54	P
3	2440.00	-1.13	109.97	108.84	200.00	-91.16	Average	161	54	P
4	2440.00	-1.13	111.36	110.23	200.00	-89.77	Peak	161	54	P
5	2483.50	-0.94	46.15	45.21	54.00	-8.79	Average	161	54	P
6	2483.50	-0.94	58.99	58.05	74.00	-15.95	Peak	161	54	P
7	7320.00	13.45	33.94	47.39	54.00	-6.61	Average	100	269	P
8	7320.00	13.45	46.02	59.47	74.00	-14.53	Peak	100	269	P

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



Power	: AC 120V / 60Hz	Pol/Phase	: VERTICAL
Test Mode	: Mode 4, CH39		:



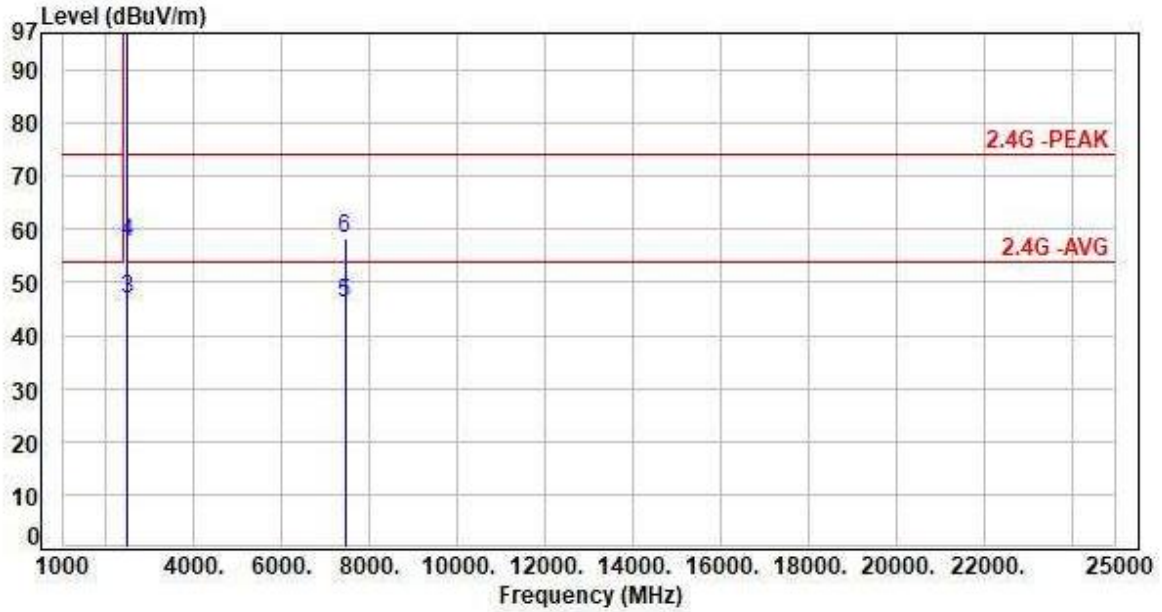
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-0.96	108.22	107.26	200.00	-92.74	Average	116	57	P
2	2480.00	-0.96	109.61	108.65	200.00	-91.35	Peak	116	57	P
3	2483.50	-0.94	53.10	52.16	54.00	-1.84	Average	116	57	P
4	2483.50	-0.94	59.97	59.03	74.00	-14.97	Peak	116	57	P
5	7440.00	13.90	33.01	46.91	54.00	-7.09	Average	100	24	P
6	7440.00	13.90	44.08	57.98	74.00	-16.02	Peak	100	24	P

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





Power	: AC 120V / 60Hz	Pol/Phase	: HORIZONTAL
Test Mode	: Mode 1, CH39		:



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2480.00	-0.96	101.12	100.16	200.00	-99.84	Average	100	53	P
2	2480.00	-0.96	102.94	101.98	200.00	-98.02	Peak	100	53	P
3	2483.50	-0.94	47.76	46.82	54.00	-7.18	Average	100	53	P
4	2483.50	-0.94	58.59	57.65	74.00	-16.35	Peak	100	53	P
5	7440.00	13.90	32.29	46.19	54.00	-7.81	Average	103	273	P
6	7440.00	13.90	44.42	58.32	74.00	-15.68	Peak	103	273	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 Spurious Emission (Conducted)

### 7.1 Test Limit

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

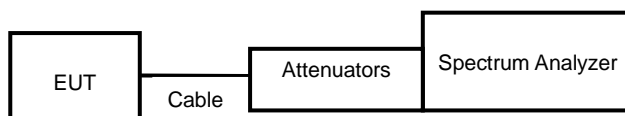
Below -30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

### 7.2 Test Procedure

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

- a. The transmitter output was connected to the spectrum analyzer via a low loss cable.
- b. 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.
- c. 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.
- d. The band edges was measured and recorded.

### 7.3 Test Setup Layout

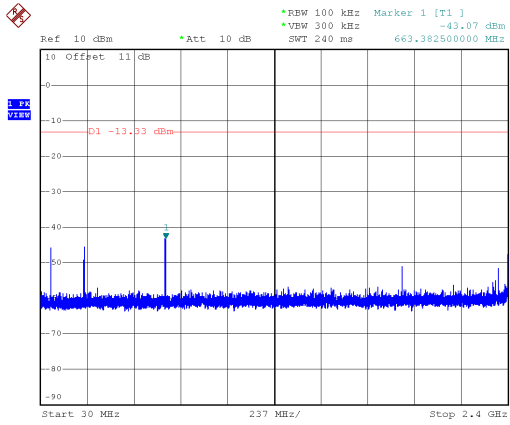


### 7.4 Test Result and Data

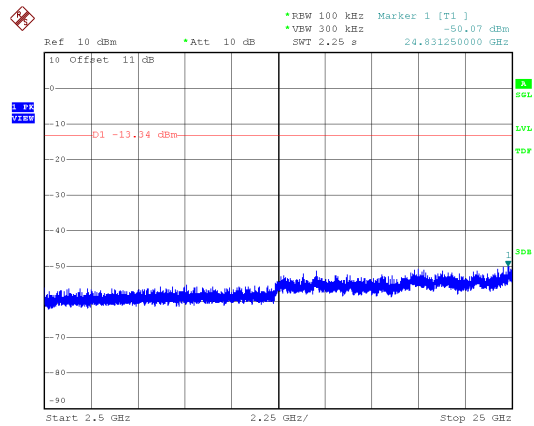
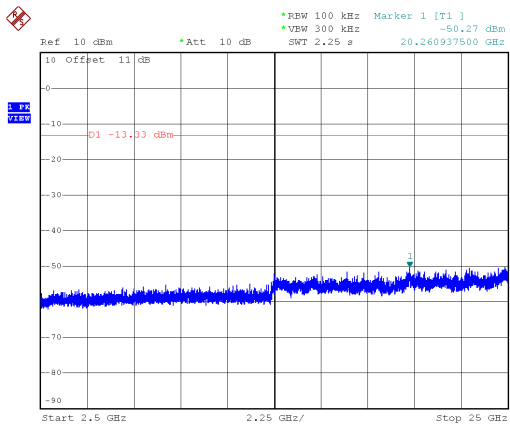
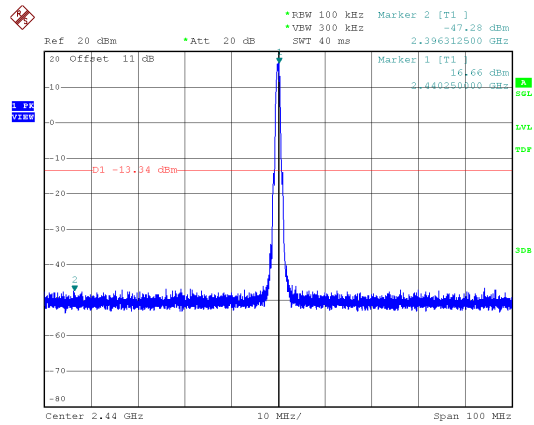
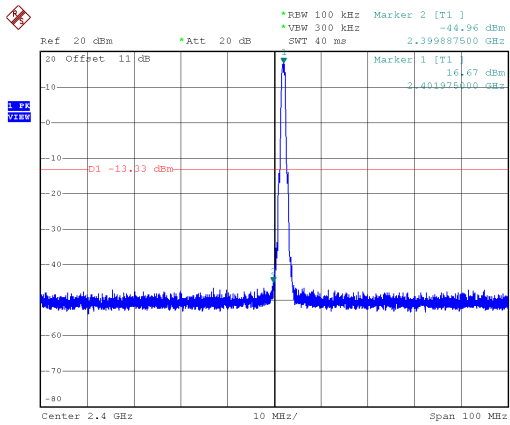
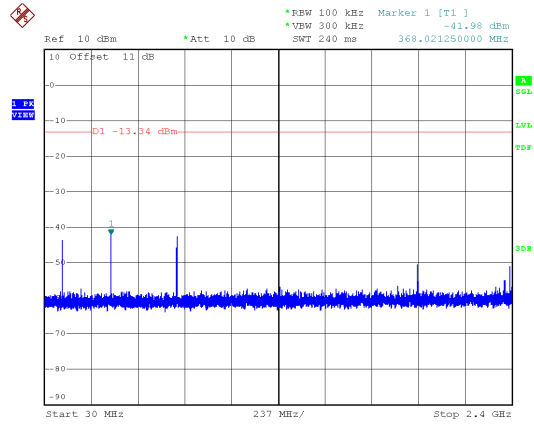
Note: Test plots refer to the following pages.



Modulation Type: GFSK(1Mbps)  
CH00

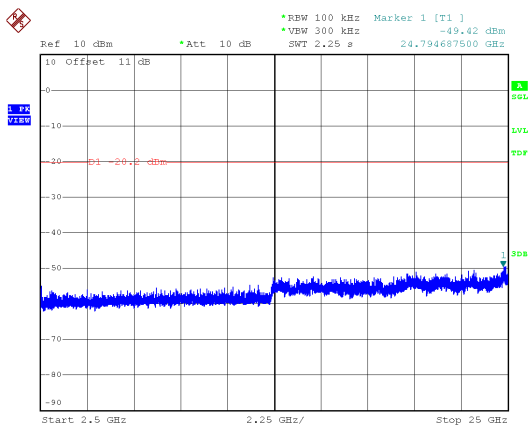
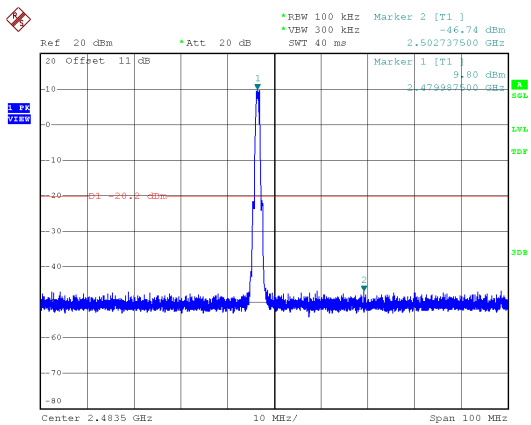
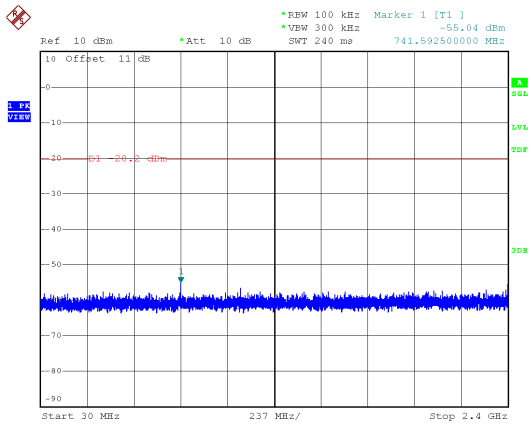


Modulation Type: GFSK(1Mbps)  
CH19



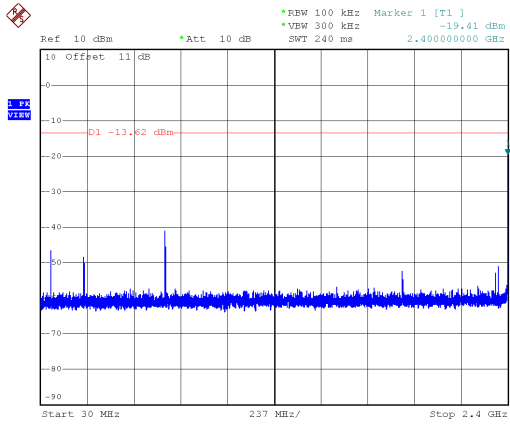


Modulation Type: GFSK(1Mbps)  
CH39

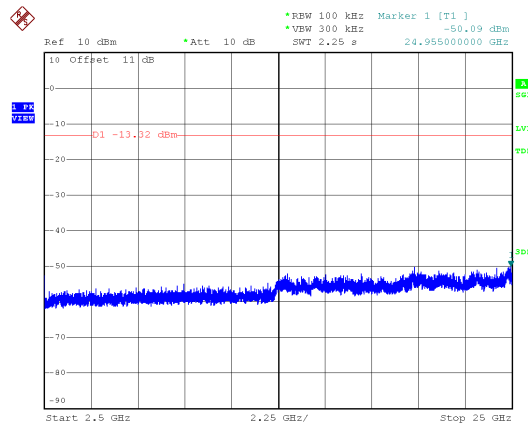
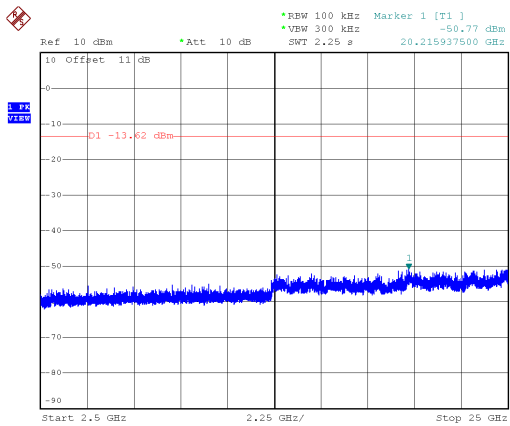
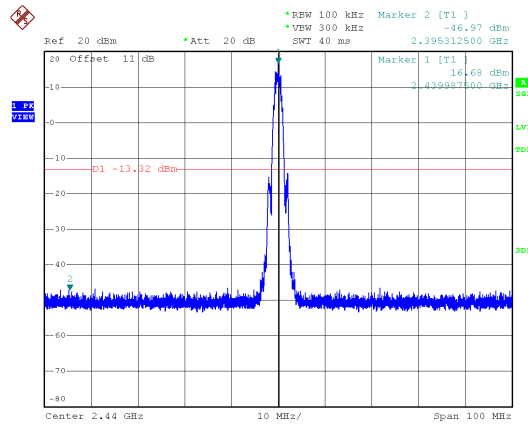
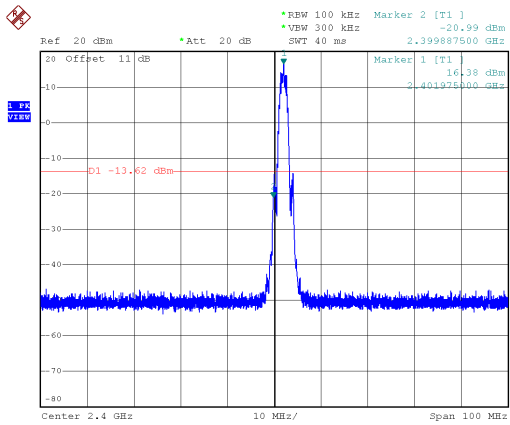
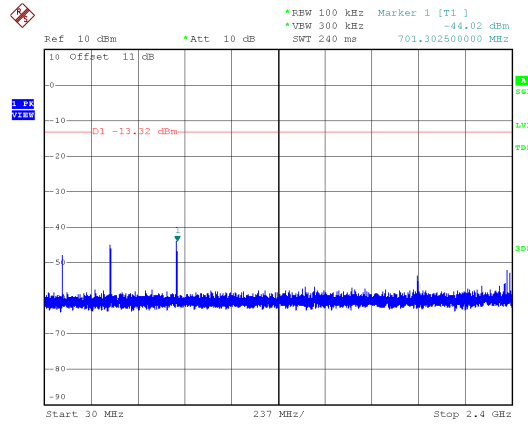




Modulation Type: GFSK(2Mbps)  
CH00

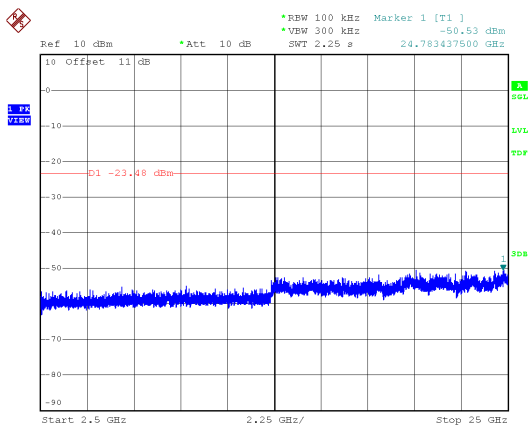
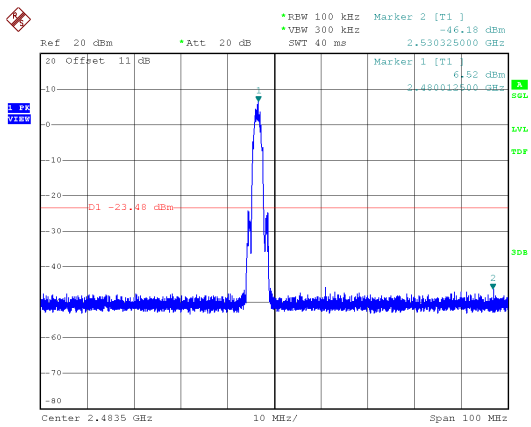
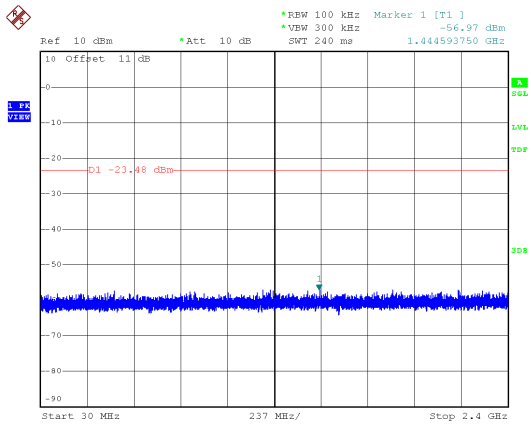


Modulation Type: GFSK(2Mbps)  
CH19



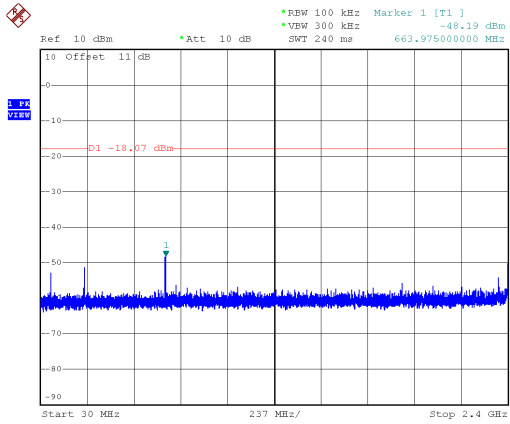


Modulation Type: GFSK(2Mbps)  
CH39

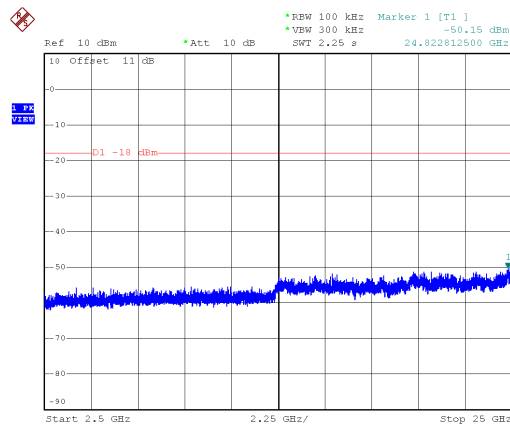
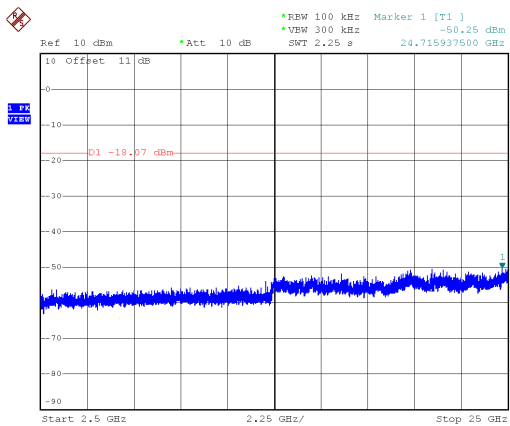
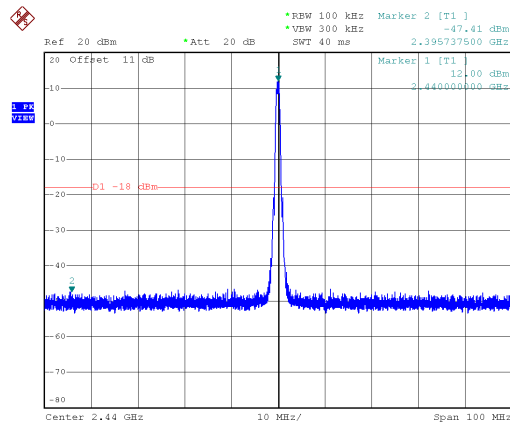
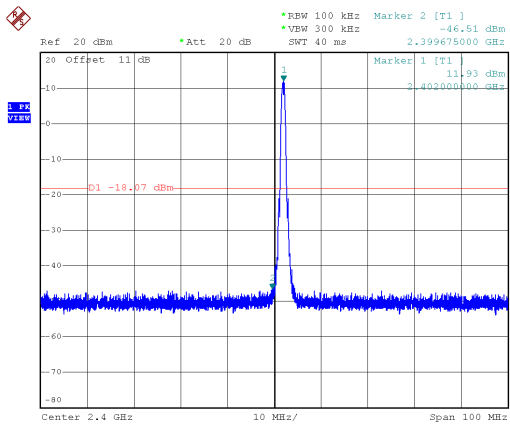
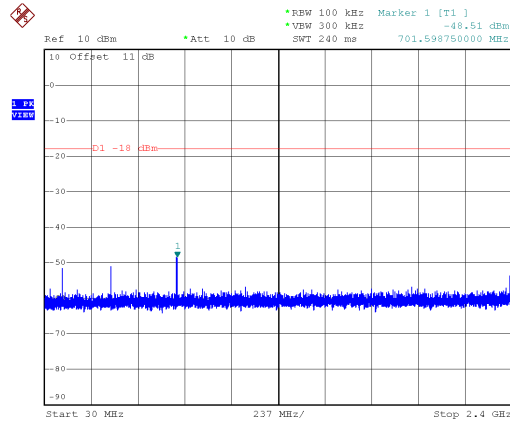




Modulation Type: GFSK(125Kbps)  
CH00



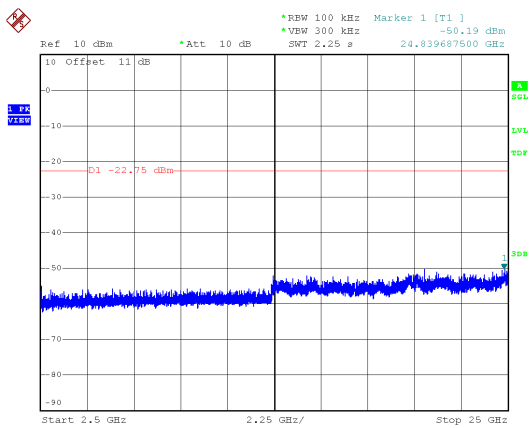
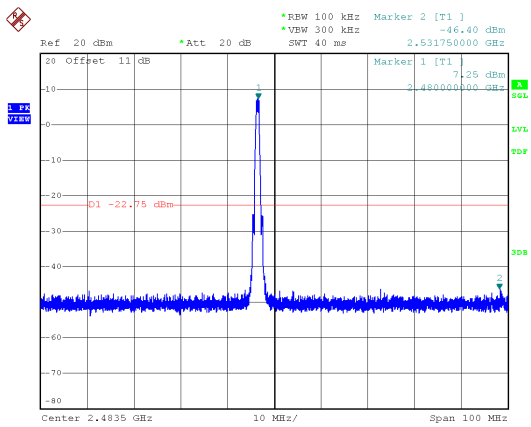
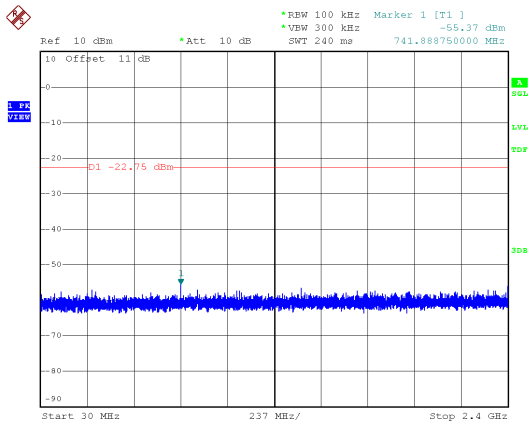
Modulation Type: GFSK(2Mbps)  
CH19





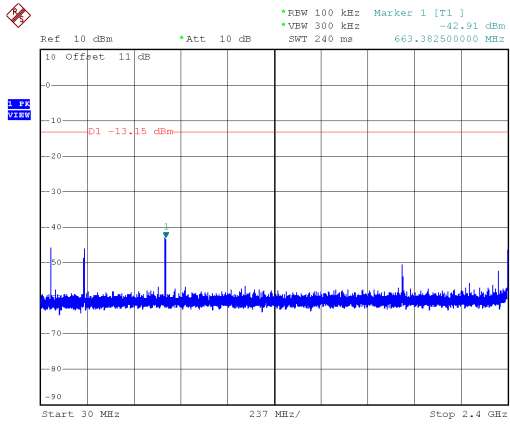


Modulation Type: GFSK(125Kbps)  
CH39

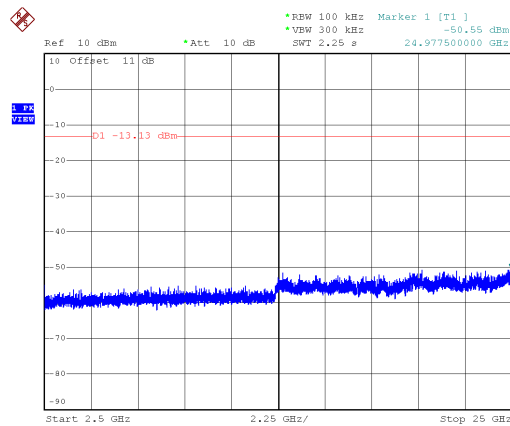
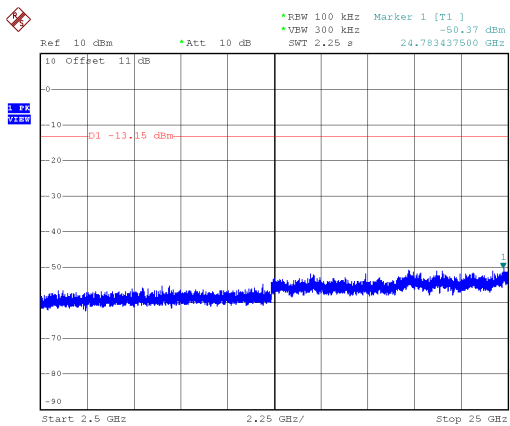
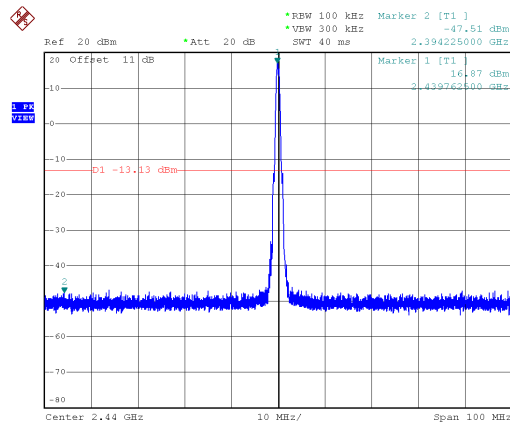
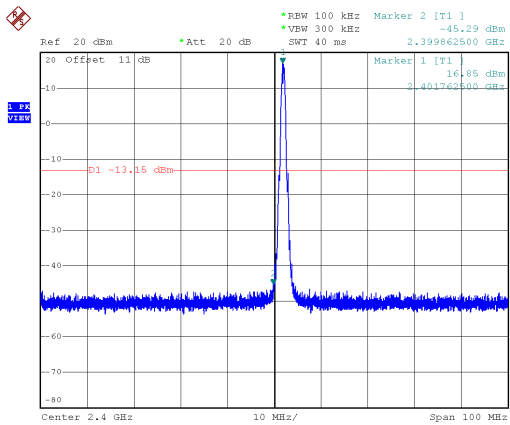
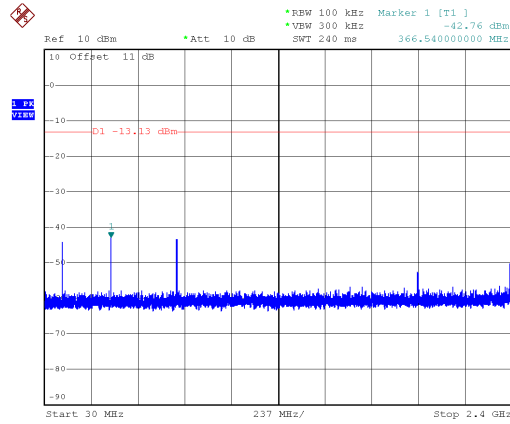




Modulation Type: GFSK(500Kbps)  
CH00

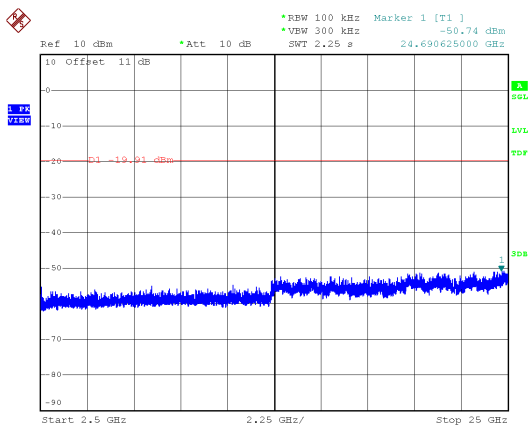
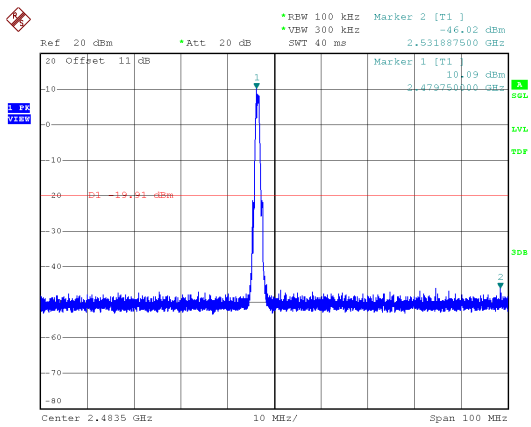
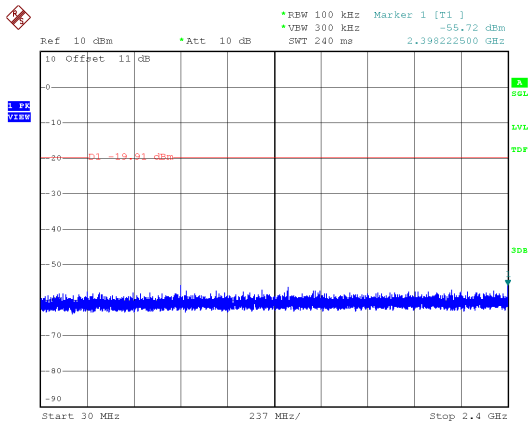


Modulation Type: GFSK(2Mbps)  
CH19





Modulation Type: GFSK(500Kbps)  
CH39





## 8. On Time, Duty Cycle and Measurement methods

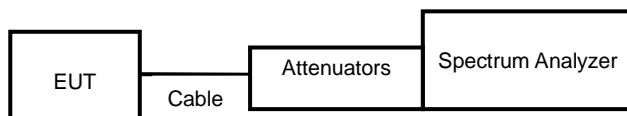
### 8.1 Test Limit

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

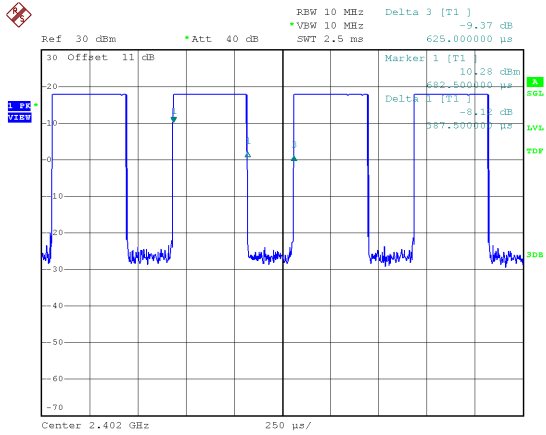


### 8.4 Test Result and Data

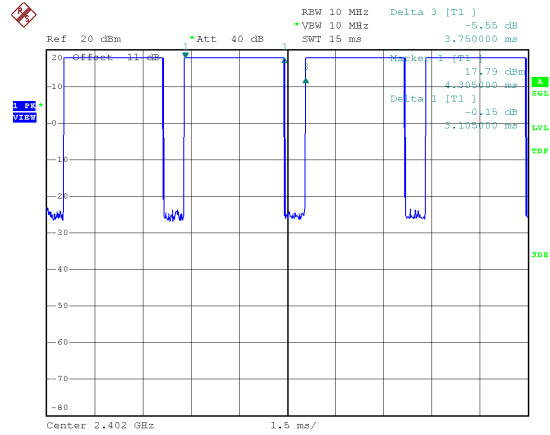
Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
GFSK(1Mbps)	0.39	0.63	62.00%
GFSK(2Mbps)	0.21	0.63	33.65%
GFSK(125Kbps)	3.11	3.75	82.80%
GFSK(500Kbps)	1.06	1.88	56.60%



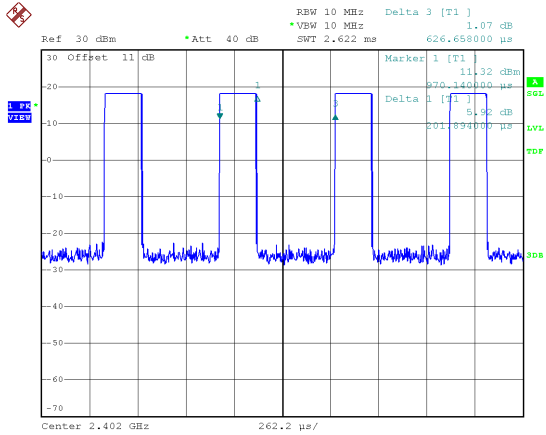
Modulation Type: GFSK(1Mbps)



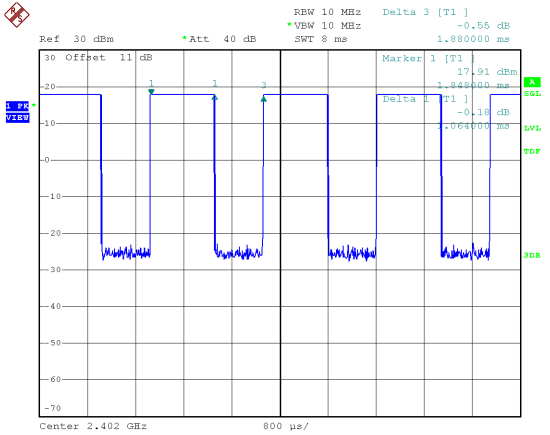
Modulation Type: GFSK(125Kbps)



Modulation Type: GFSK(2Mbps)



Modulation Type: GFSK(500Kbps)





## 9. 6dB Bandwidth Measurement Data

### 9.1 Test Limit

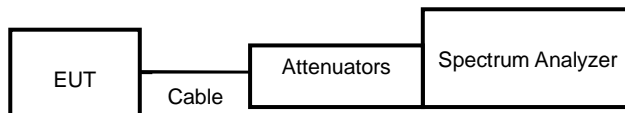
The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

### 9.2 Test Procedures

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

- a. The transmitter output was connected to the spectrum analyzer.
- b. Set RBW of spectrum analyzer to 100 KHz and VBW to 300 KHz.
- c. The 6 dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 6 dB.
- d. 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 (KHz)	Limit (KHz)
GFSK(1Mbps)	0	2402	705.00	500
	19	2440	711.00	500
	39	2480	714.00	500

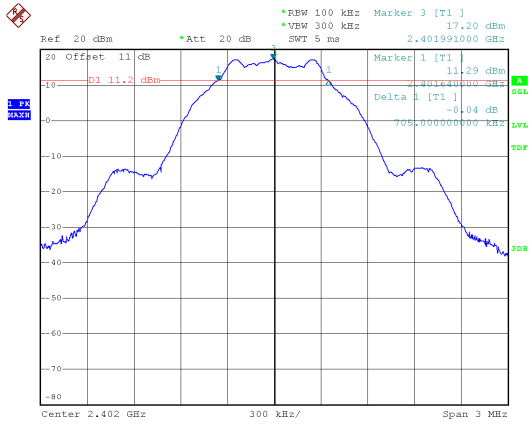
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (KHz)	Limit (KHz)
GFSK(1Mbps)	0	2402	1176.00	500
	19	2440	1179.00	500
	39	2480	1233.00	500

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (KHz)	Limit (KHz)
GFSK(125Kbps)	0	2402	690.00	500
	19	2440	693.00	500
	39	2480	690.00	500

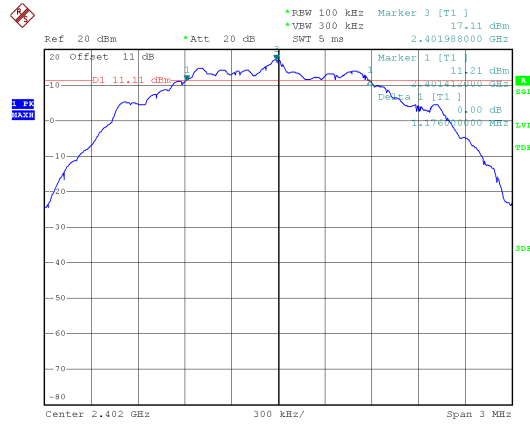
Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (KHz)	Limit (KHz)
GFSK(500Kbps)	0	2402	666.00	500
	19	2440	666.00	500
	39	2480	663.00	500



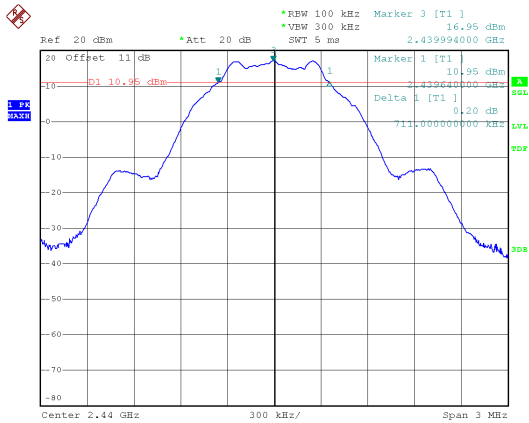
Modulation Type: GFSK(1Mbps)  
CH00



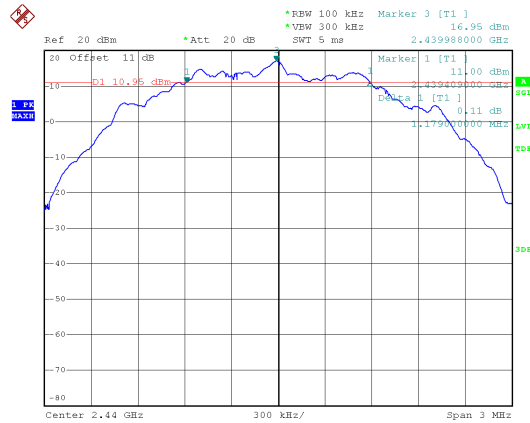
Modulation Type: GFSK(2Mbps)  
CH00



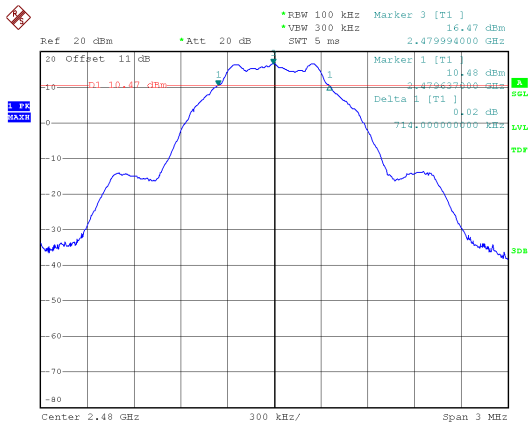
Modulation Type: GFSK(1Mbps)  
CH19



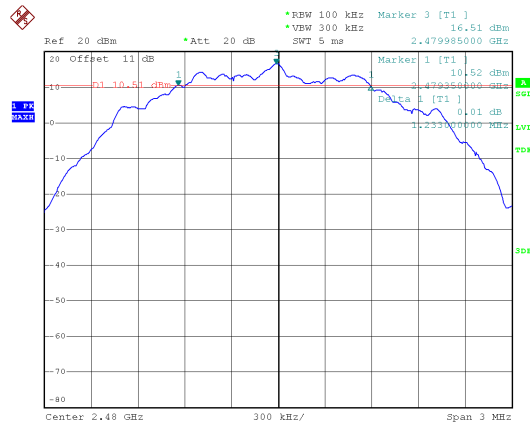
Modulation Type: GFSK(2Mbps)  
CH19



Modulation Type: GFSK(1Mbps)  
CH39



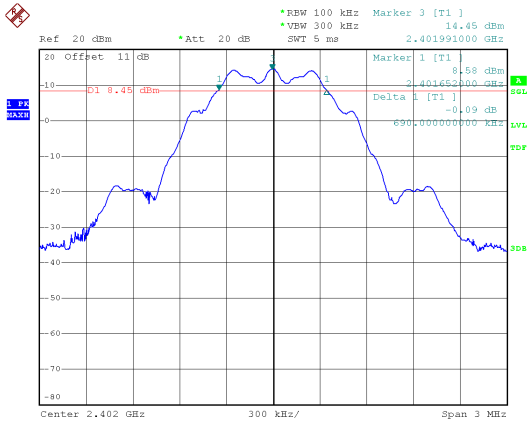
Modulation Type: GFSK(2Mbps)  
CH39



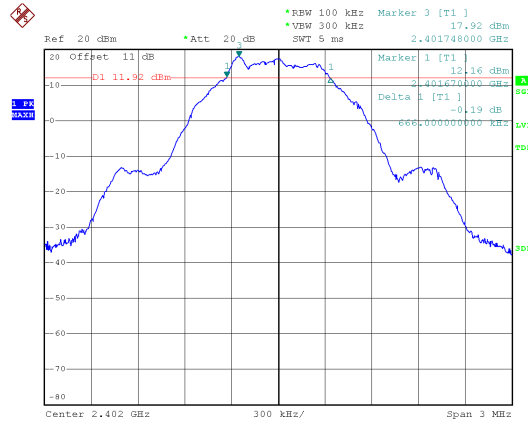




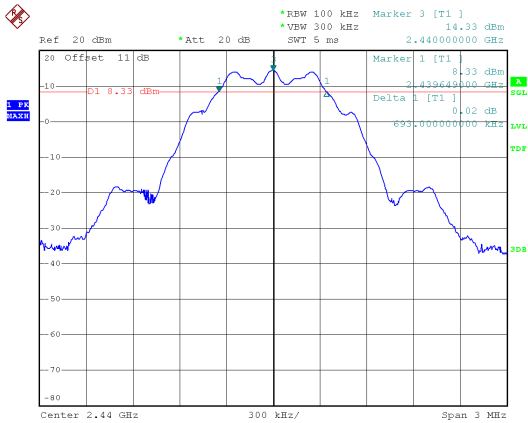
Modulation Type: GFSK(125Kbps)  
CH00



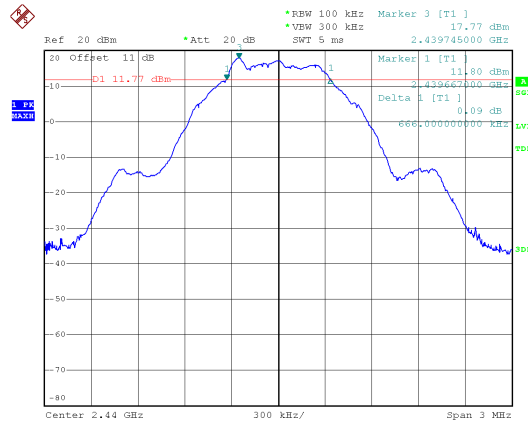
Modulation Type: GFSK(500Kbps)  
CH00



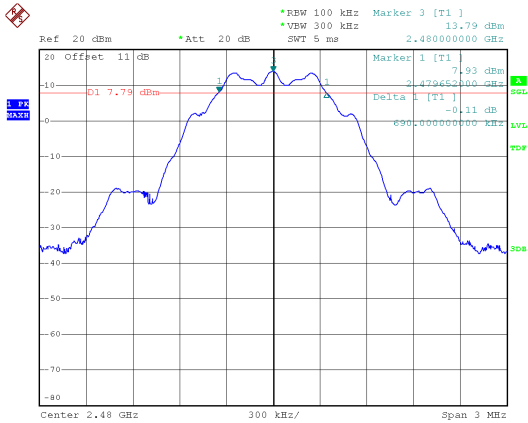
Modulation Type: GFSK(1Mbps)  
CH19



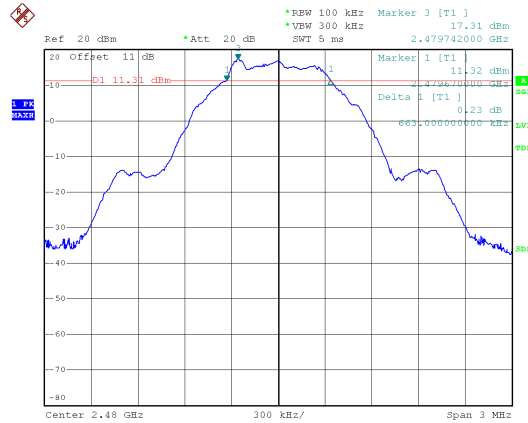
Modulation Type: GFSK(2Mbps)  
CH19



Modulation Type: GFSK(1Mbps)  
CH39



Modulation Type: GFSK(2Mbps)  
CH39





## 10. Maximum Average Output Power

### 10.1 Test Limit

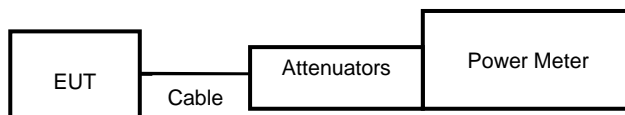
The Maximum Output Power Measurement is 30dBm.

### 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

BT5(1M bps)

Power Set	Modulation Type	Channel	Frequency (MHz)	Power Output (dBm)	Power Output (mW)
				Average	Average
20	GFSK	0	2402	18.03	63.533
20		19	2440	17.94	62.230
12		39	2480	10.6	11.482

BT5(2M bps)

Power Set	Modulation Type	Channel	Frequency (MHz)	Power Output (dBm)	Power Output (mW)
				Average	Average
20	GFSK	0	2402	18.29	67.453
20		19	2440	18.18	65.766
10		39	2480	8.01	6.324

BT5(125K bps)

Power Set	Modulation Type	Channel	Frequency (MHz)	Power Output (dBm)	Power Output (mW)
				Average	Average
18	GFSK	0	2402	15.1	32.359
18		19	2440	14.97	31.405
12		39	2480	10.55	11.350

BT5(500K bps)

Power Set	Modulation Type	Channel	Frequency (MHz)	Power Output (dBm)	Power Output (mW)
				Average	Average
20	GFSK	0	2402	18.05	63.826
20		19	2440	17.97	62.661
12		39	2480	10.51	11.246



## 11. Power Spectral Density

### 11.1 Test Limit

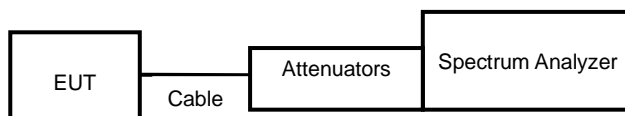
The Maximum of Power Spectral Density Measurement is 8dBm.

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 11.10.1

### 11.3 Test Setup Layout





11.4 Test Result and Data

Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 10KHz Bandwidth(dBm)	Limit
GFSK(1Mbps)	0	2402	1	8.00
	19	2440	0.81	8.00
	39	2480	-6.17	8.00

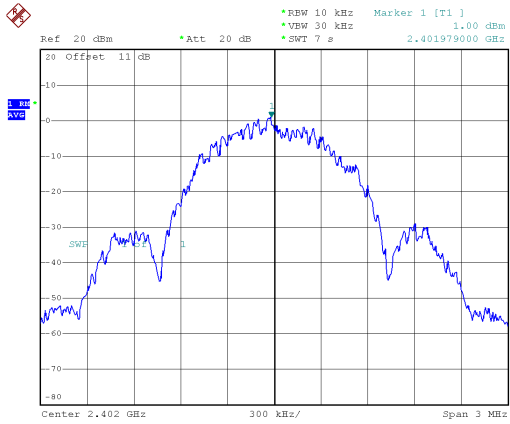
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 10KHz Bandwidth(dBm)	Limit
GFSK(2Mbps)	0	2402	-2.32	8.00
	19	2440	-2.48	8.00
	39	2480	-12.01	8.00

Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 10KHz Bandwidth(dBm)	Limit
GFSK(125Kbps)	0	2402	7.95	8.00
	19	2440	7.93	8.00
	39	2480	3.32	8.00

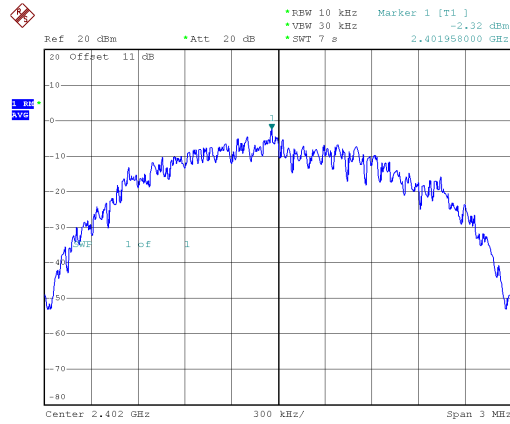
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 10KHz Bandwidth(dBm)	Limit
GFSK(500Kbps)	0	2402	4.67	8.00
	19	2440	4.53	8.00
	39	2480	-2.5	8.00



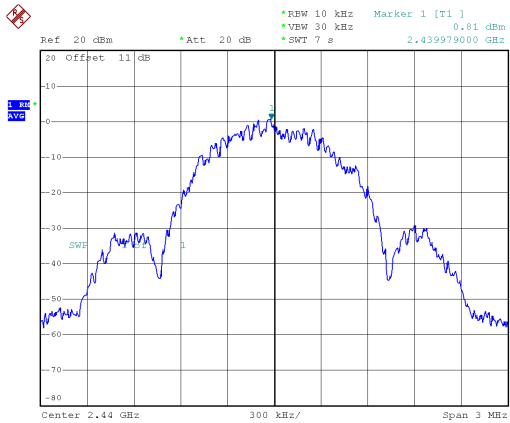
Modulation Type: GFSK(1Mbps)  
CH00



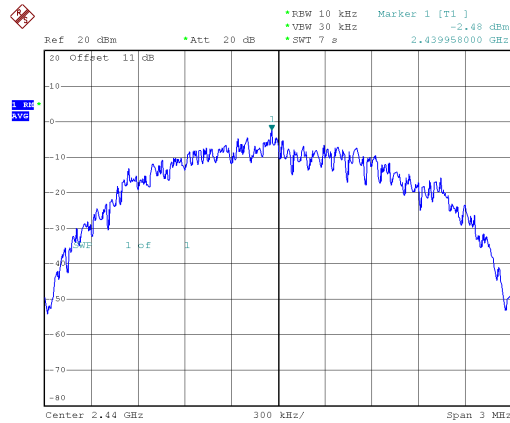
Modulation Type: GFSK(2Mbps)  
CH00



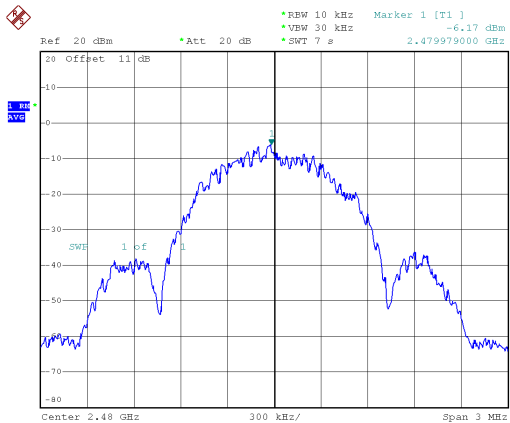
Modulation Type: GFSK(1Mbps)  
CH19



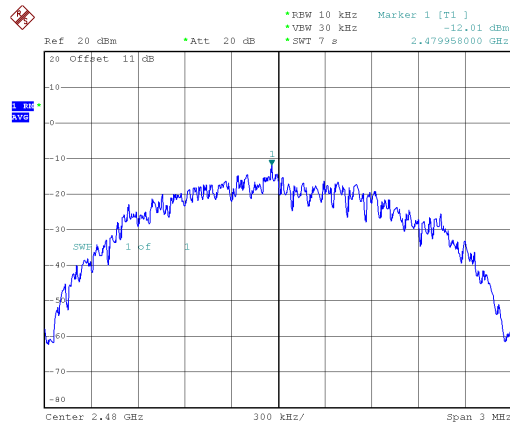
Modulation Type: GFSK(2Mbps)  
CH19



Modulation Type: GFSK(1Mbps)  
CH39

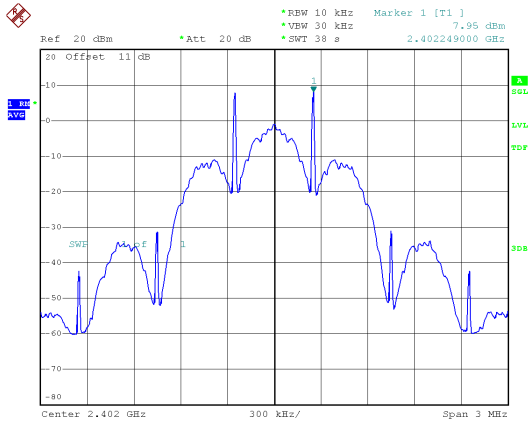


Modulation Type: GFSK(2Mbps)  
CH39

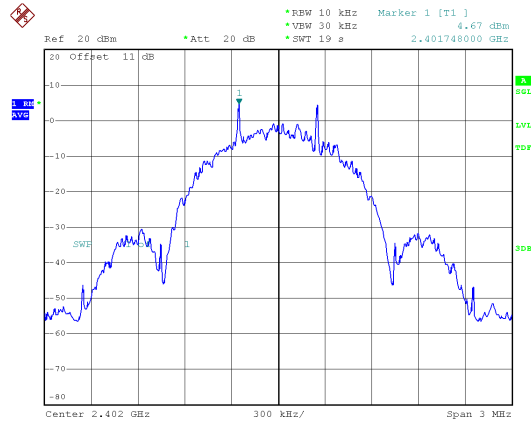




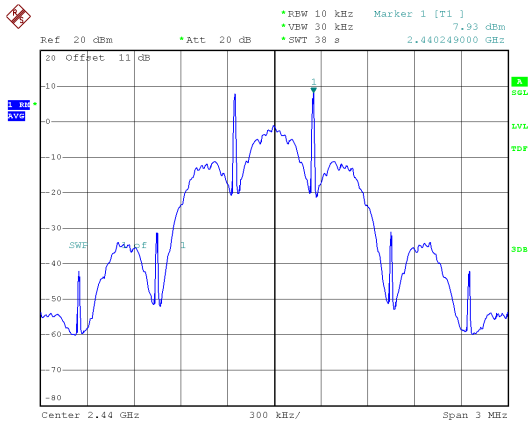
Modulation Type: GFSK(125Kbps)  
CH00



Modulation Type: GFSK(500Kbps)  
CH00



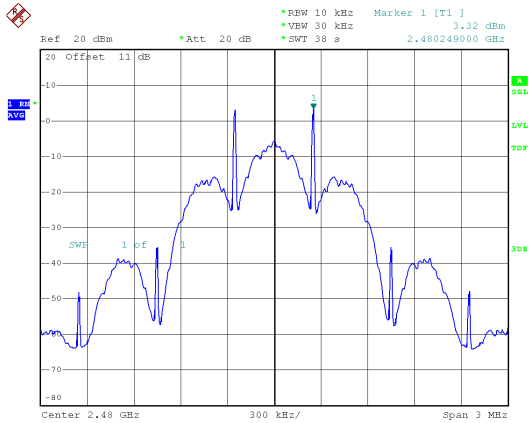
Modulation Type: GFSK(1Mbps)  
CH19



Modulation Type: GFSK(2Mbps)  
CH19



Modulation Type: GFSK(1Mbps)  
CH39



Modulation Type: GFSK(2Mbps)  
CH39

