



FCC RADIO TEST REPORT

Applicant : Micro-Star Int'l Co., Ltd.

Address : No.69, Lide St., Zhonghe Dist.,
New Taipei City 235 Taiwan

Equipment : Wireless Mouse

Model No. : MS-8ZBI

Trade Name : msi

FCC ID : I4L-MS-8ZBI

I HEREBY CERTIFY THAT :

The sample was received on Dec. 30, 2025 and the testing was completed on Apr. 01, 2026 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
25120522-TRFCC01	Apr. 13, 2026	Original



1. Summary of Test Procedure and Test Results

1.1 Applicable Standards

ANSI C63.10-2020+Cor.1-2023+C63.10a-2024+Errata to C63.10a-2024

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

*The lab has reduced the uncertainty risk factor from test equipment, environment and staff technicians which according to the standard on contract. Therefore, the test result will only be determined by standard requirement, measurement uncertainty evaluation is not considered.



2. Test Configuration of Equipment under Test

2.1 Feature of Equipment under Test

Operation Frequency Range	2400MHz-2500MHz
Center Frequency Range	BLE: 2402MHz-2480MHz SRD: 2405MHz-2470MHz
Modulation Type	BLE: GFSK SRD: GFSK
Modulation Technology	DTS
Data Rate	BLE: GFSK: 1Mbps GFSK: 2Mbps SRD: GFSK: 2Mbps
Antenna Type	Onboard Antenna
Antenna Gain	2.24 dBi
Polymer Lithium-ion Battery	Dongguan Lean Power New Energy Technology Co., Ltd. \ ZCX902030 \ 3.7V 500mAh
USB Cable	msi \ GM340W Cable

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

Difference: The difference of EUT is external color. The external color included Black, Navy, Sky, Violet and White. The test color is Black.

2.2 Carrier Frequency of Channels

GFSK(2Mbps)

Channel	Frequency (MHz)	Channel	Frequency (MHz)
*01	2405	09	2440
02	2409	10	2445
03	2413	11	2450
04	2417	12	2454
05	2422	13	2458
06	2426	14	2462
*07	2430	15	2466
08	2435	*16	2470

Note: Channels remarked * are selected to perform test.

(For Above 1GHz)

Below test Channel generated the worst case, they were reported as the final data.

Bluetooth	Channel	Frequency (MHz)	Bandedge	1GHz ~ 3GHz	3GHz ~ 18GHz	18GHz ~ 25GHz
SRD	01	2405	V	V	V	--
	07	2430	V	V	V	--
	16	2470	V	V	V	V



2.3 Test Mode and Test Software

- During testing, the interface cables and equipment positions were varied according to ANSI C63.10.
- Hardware control was executed to transmit and receive data via SRD.
- The following test modes were performed for the test:

Conducted Emissions from the AC mains power ports	
Test Mode 1	TX Mode, Power from Adapter (AC 120V/60Hz)
Test Mode 2	TX Mode, Power from Adapter (AC 240V/60Hz)
caused "Test Mode 1" generated the worst case, it was reported as the final data.	
Radiation Emissions (30MHz ~ 1GHz)	
Test Mode 1	TX Mode, Power from Adapter (AC 120V/60Hz)
Radiation Emissions (1GHz ~ 25GHz)	
Test Mode 1	TX Mode, Power from Adapter (AC 120V/60Hz)

Modulation Type	TX CONFIGURATION
GFSK (2Mbps)	1TX

2.4 Description of Test System

Radiated Emissions				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Adapter	Noratec	NT-K240	N/A	N/A

AC Power Line Conducted Emission				
Equipment	Brand	Model	Length/Type	Power cord/Length/Type
Adapter	Noratec	NT-K240	N/A	N/A



2.5 General Information of Test

Organization	CerpPASS Technology Corp.		
☒ 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	
	ISED Company Number	4934E	
	ISED CAB identifier	TW1439	
Frequency Range Investigated	Conducted: from 150kHz to 30 MHz Radiation: from 9 kHz 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	RFCON02-NK	2026/03/24	26°C / 47%	Leon Huang
RF Conducted	RFCON02-NK	2026/04/01	25.3°C / 50%	Leon Huang
Radiated Emissions	3M02-NK	2026/03/24	18.5°C / 53%	Leon Huang
Radiated Emissions	3M02-NK	2026/03/26	19.3°C / 64%	Leon Huang
AC Power Line Conducted Emission	CON02-NK	2026/03/25	21.1°C / 56%	Leon Huang

2.6 Measurement Uncertainty

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

Measurement Item	Uncertainty
AC Power Line Conduction(150kHz~30MHz)	±3.2dB
Radiated Spurious Emission(9kHz~30MHz)	±3.4dB
Radiated Spurious Emission(30MHz~1GHz)	±5.2dB
Radiated Spurious Emission(1GHz~40GHz)	±5.2dB
Conducted Spurious Emission	±2.1dB
6dB Bandwidth	±4.4%
20dB Bandwidth	±4.5%
Occupied Bandwidth	±4.4%
Peak Output Power(Conducted Power Meter)	±1.1dB
Dwell Time / Deactivation Time	±3.5%
Power Spectral Density	±2.0dB
Duty Cycle	±3.5%



3. Test Equipment and Ancillaries Used for Tests

Test Item	Radiated Emissions				
Test Site	Semi Anechoic Room(3M02-NK)				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
Bilog Antenna	Schwarzbeck	VULB9168	VULB 9168-1947	2026/02/10	2027/02/09
Active Loop Antenna	EMCO	6507	00040855	2025/04/28	2026/04/27
Double Ridged Guide Horn Antenna	RF SPAN	DRH18-E	210309A18-ES	2025/08/22	2026/08/21
Horn Antenna	EMCO	3116	31974	2025/10/07	2026/10/06
EMI Receiver	R&S	ESCI	101423	2025/07/10	2026/07/09
Spectrum Analyzer	R&S	FSV 40-N	102151	2025/08/18	2026/08/17
Preamplifier	EMC INSTRUMENTS	EMC118A45V1SS	981069	2025/12/18	2026/12/17
Preamplifier	EMC INSTRUMENTS	EMC184045	980065	2025/10/13	2026/10/12
Preamplifier	EM Electronics corp.	EM330	60659	2025/12/18	2026/12/17
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2025/07/02	2026/07/01
Cable-4m (30M-1G)	HUBER SUHNER	RG-214	02953M	2025/07/03	2026/07/02
Cable-1m (30M-1G)	HUBER SUHNER	RG-214	05094M	2025/07/04	2026/07/03
Cable-9m (30M-1G)	HUBER SUHNER	RG-214	00402M	2025/07/05	2026/07/04
Cable-8m (10M-26.5G)	HUBER SUHNER	SF126E	587396/126E	2025/10/15	2026/10/14
Cable-3m (10M-26.5G)	HUBER SUHNER	SF126E	587399/126E	2025/10/15	2026/10/14
Cable-1m (1G-26.5G)	HUBER SUHNER	SF126E	589848/126E	2025/10/15	2026/10/14
Cable-1m (1G-40G)	HUBER SUHNER	SF102E	552450	2025/07/09	2026/07/08
Cable-3m (1G-40G)	HUBER SUHNER	SF102E	552451	2025/07/09	2026/07/08
E3	AUDIX	v8.2014-8-6	RK-000529	NA	NA
High Pass Filter	WOKEN	WFIL-H3000-18000F-03	WR377WC2B1	2025/10/13	2026/10/12
Highpass Filter	WOKEN	WFIL-H1400-10000F	WR866WC2B1	2025/05/05	2026/05/04
Highpass Filter	WOKEN	WFIL-H7000-18000F-01	WR468FWC2B1	2025/10/03	2026/10/02



Test Item	RF Conducted				
Test Site	RFCON02-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
CAX Signal Analyzer	KEYSIGHT	N9000B	MY57100339	2025/10/23	2026/10/22
Power Meter	Anritsu	ML2495A	1224005	2026/01/27	2027/01/26
Power Sensor	Anritsu	MA2411B	1207295	2026/01/27	2027/01/26
Attenuator	KEYSIGHT	8491B	MY39250703	2026/01/29	2027/01/28

Test Item	AC Power Line Conducted Emission				
Test Site	CON02-NK				
Instrument	Manufacturer	Model No	Serial No	Calibration Date	Valid Date
EMI Receiver	R&S	ESR 7	101906	2025/05/19	2026/05/18
LISN	Schwarzbeck	NSLK 8127	1197	2025/09/22	2026/09/21
Two-Line V-Network	R&S	ENV216	102185	2025/08/28	2026/08/27
Cable-4m (9k-3G)	EMEC	RG-223	18274M	2025/07/02	2026/07/01
E3	AUDIX	v8.2014-8-6	RK-000536	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	Onboard Antenna
Antenna Gain	2.24 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 9kHz, according to the methods defined in ANSI C63.10-2020+Cor.1-2023 and ANSI C63.10a-2024. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

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

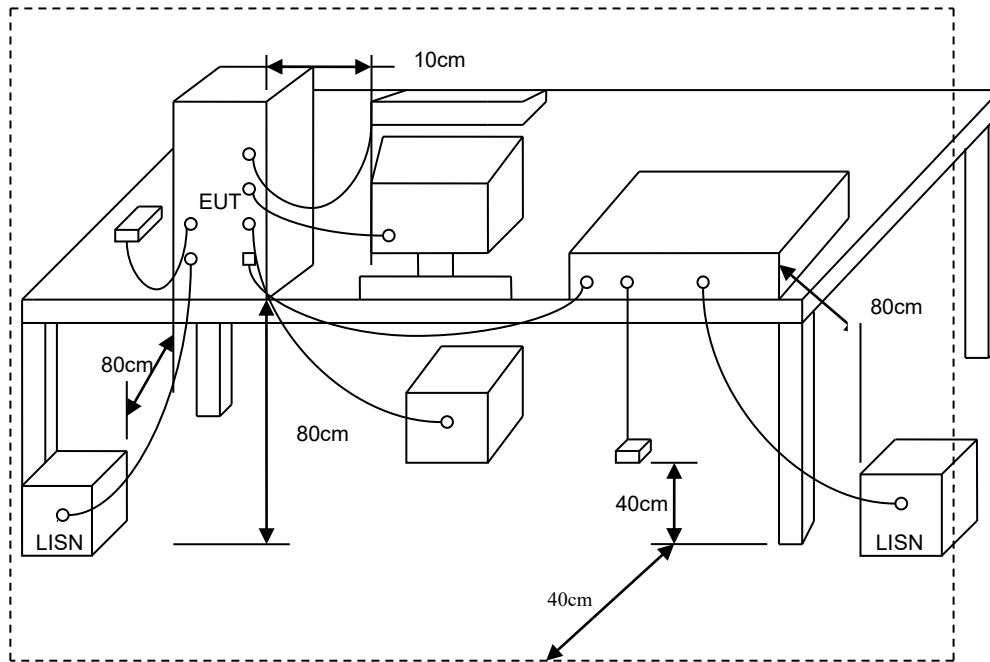
*Decreases with the logarithm of the frequency.

5.2 Test Procedures

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

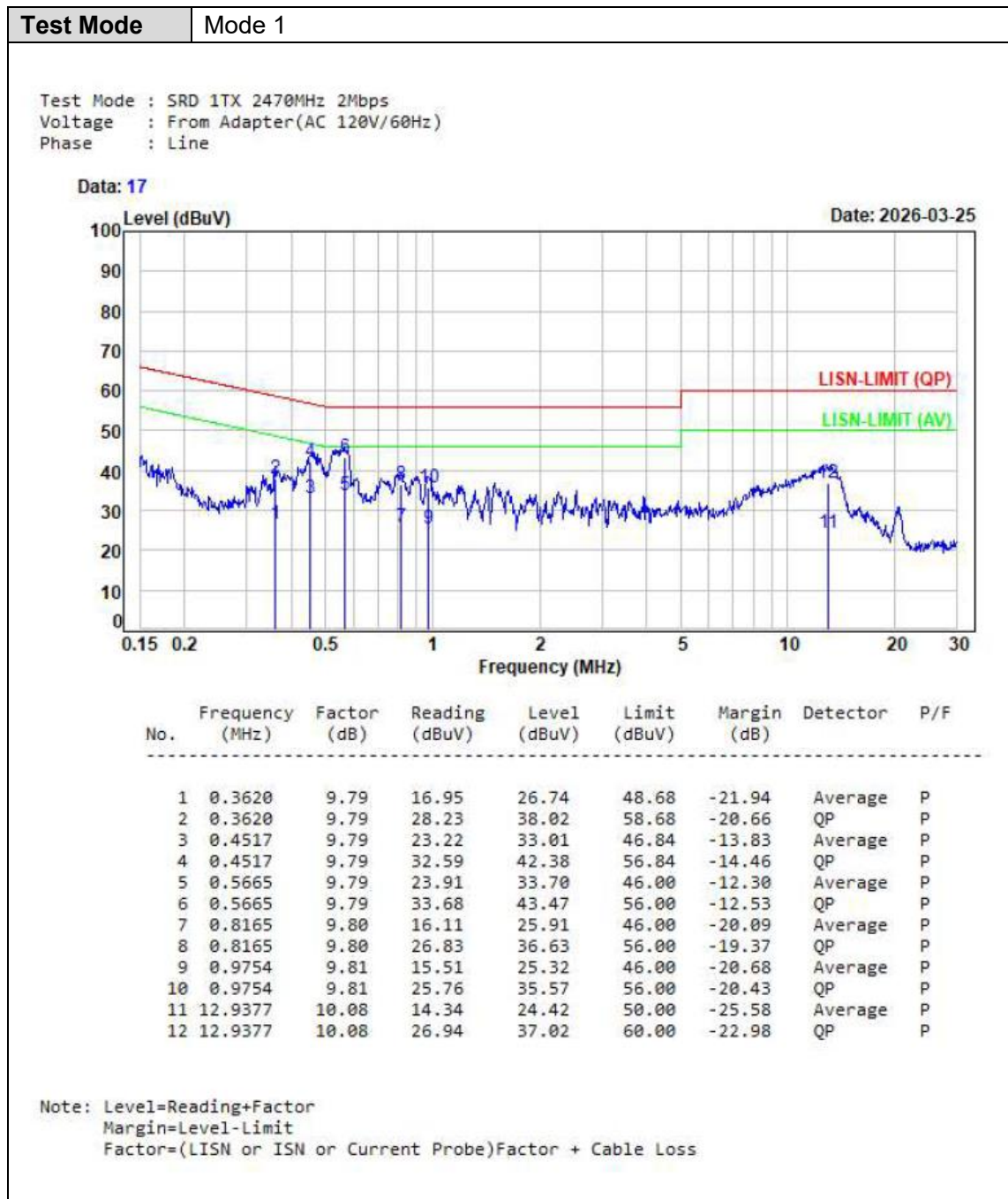


5.3 Typical Test Setup





5.4 Test Result and Data

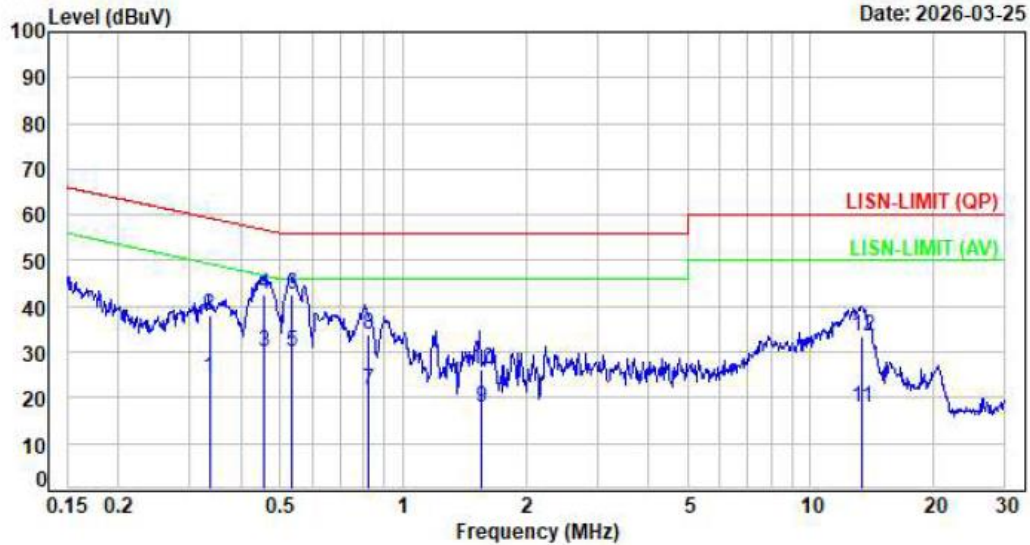


**Test Mode** Mode 1

Test Mode : SRD 1TX 2470MHz 2Mbps
Voltage : From Adapter(AC 120V/60Hz)
Phase : Neutral

Data: 18

Date: 2026-03-25



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.3348	9.80	14.46	24.26	49.33	-25.07	Average	P
2	0.3348	9.80	28.31	38.11	59.33	-21.22	QP	P
3	0.4557	9.80	20.14	29.94	46.77	-16.83	Average	P
4	0.4557	9.80	32.82	42.62	56.77	-14.15	QP	P
5	0.5335	9.80	20.18	29.98	46.00	-16.02	Average	P
6	0.5335	9.80	32.64	42.44	56.00	-13.56	QP	P
7	0.8195	9.80	12.03	21.83	46.00	-24.17	Average	P
8	0.8195	9.80	24.02	33.82	56.00	-22.18	QP	P
9	1.5534	9.84	8.13	17.97	46.00	-28.03	Average	P
10	1.5534	9.84	16.43	26.27	56.00	-29.73	QP	P
11	13.3500	10.11	7.66	17.77	50.00	-32.23	Average	P
12	13.3500	10.11	23.48	33.59	60.00	-26.41	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.

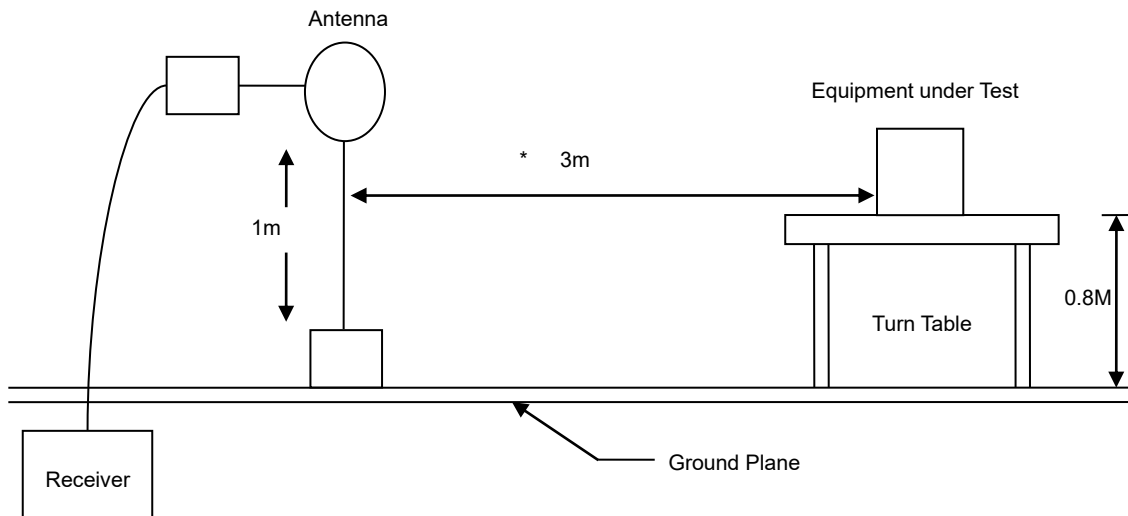
Note:

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

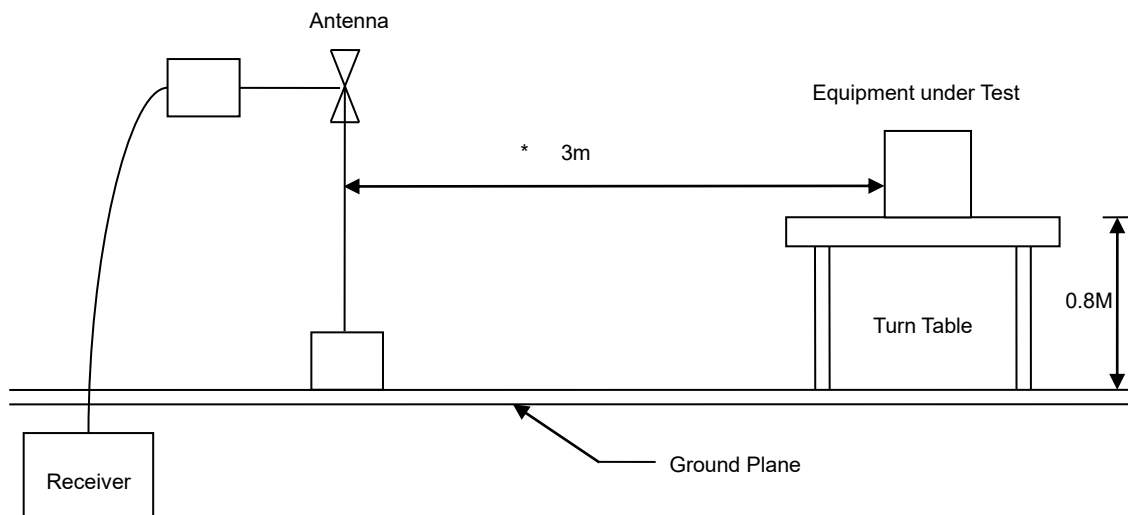


6.3 Typical Test Setup

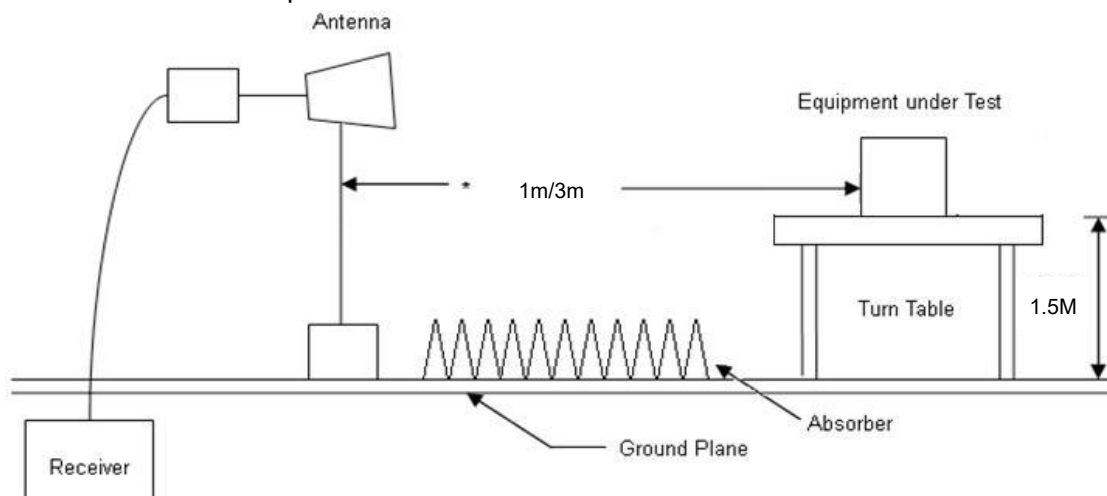
Below 30MHz test setup



30MHz- 1GHz Test Setup



Above 1GHz Test Setup

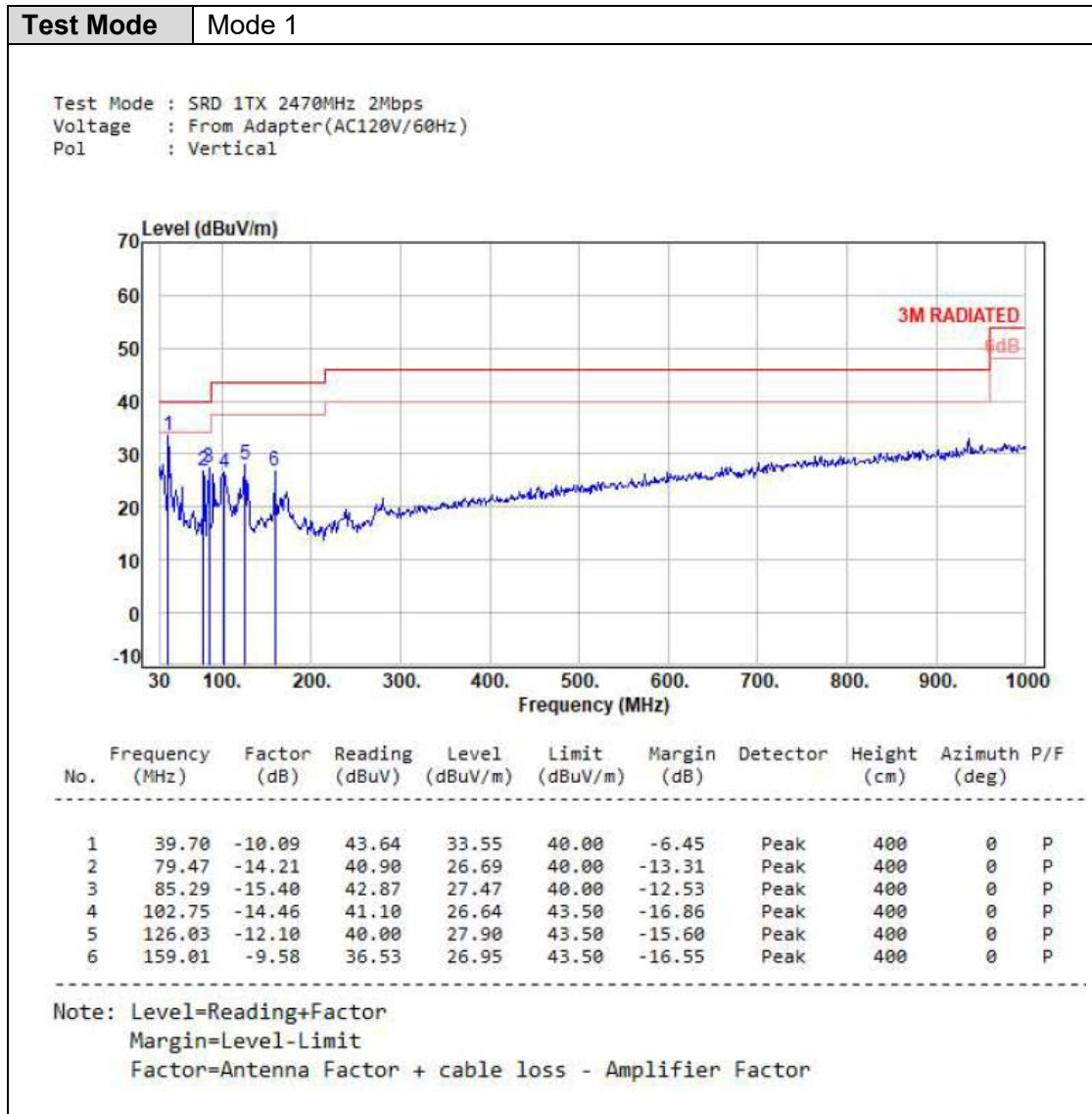




6.4 Test Result and Data (9kHz ~ 30MHz)

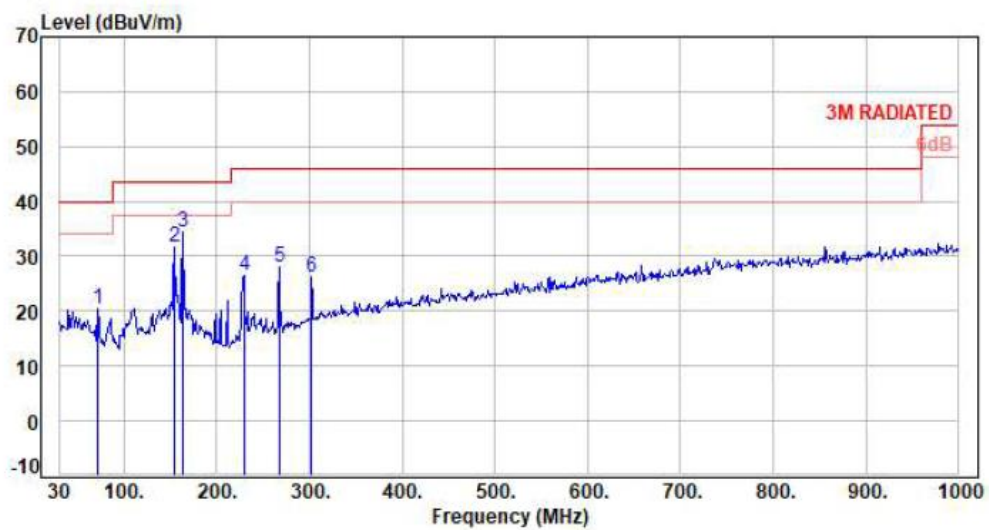
The 9kHz - 30MHz spurious emission is under limit 20dB more.

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



**Test Mode** Mode 1

Test Mode : SRD 1TX 2470MHz 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Horizontal



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	71.71	-12.29	32.65	20.36	40.00	-19.64	Peak	400	0	P
2	154.16	-9.59	41.20	31.61	43.50	-11.89	Peak	400	0	P
3	163.86	-9.55	43.97	34.42	43.50	-9.08	Peak	400	0	P
4	229.82	-11.48	37.85	26.37	46.00	-19.63	Peak	400	0	P
5	267.65	-9.98	37.90	27.92	46.00	-18.08	Peak	400	0	P
6	302.57	-7.87	34.11	26.24	46.00	-19.76	Peak	400	0	P

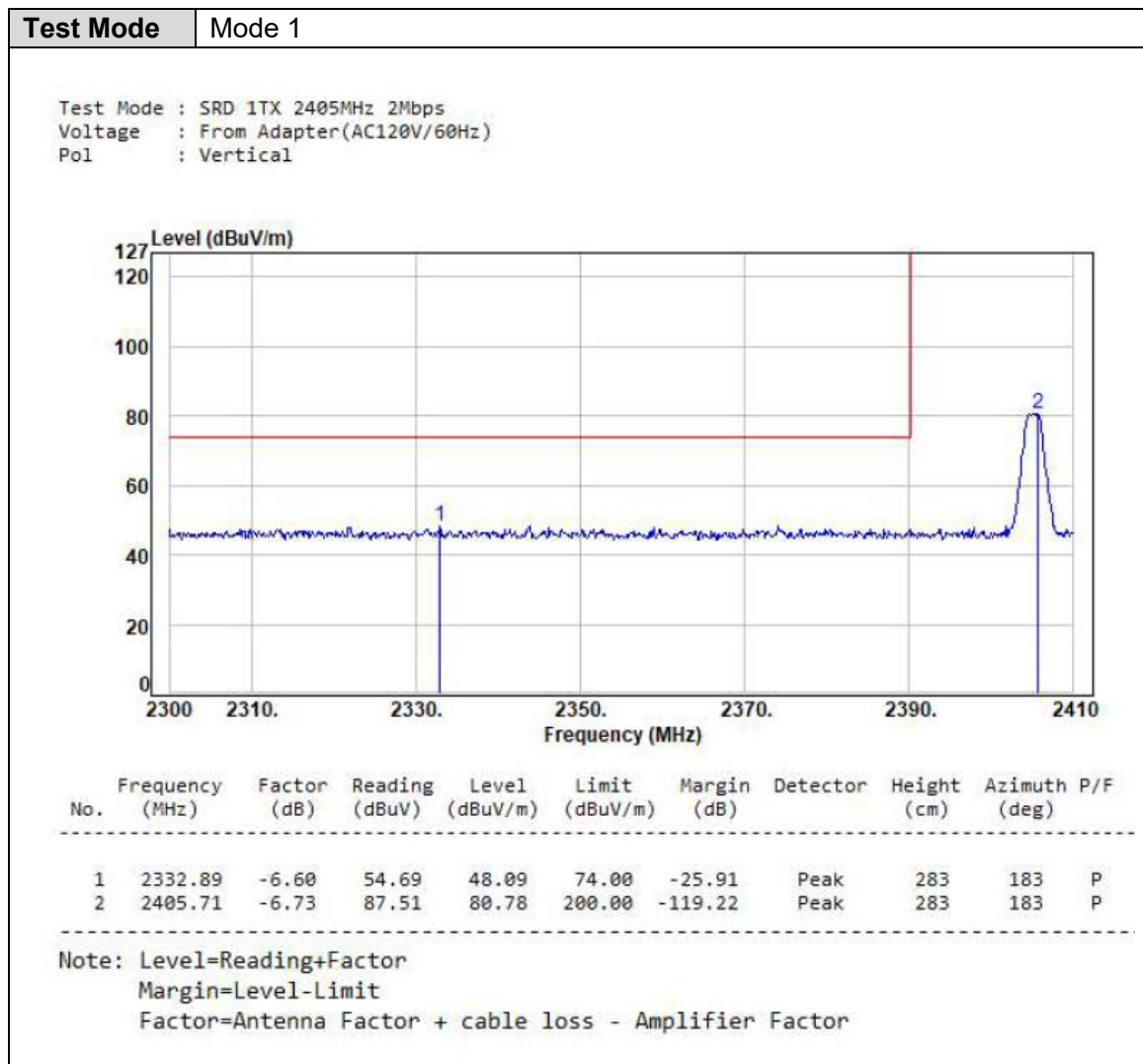
Note: Level=Reading+Factor

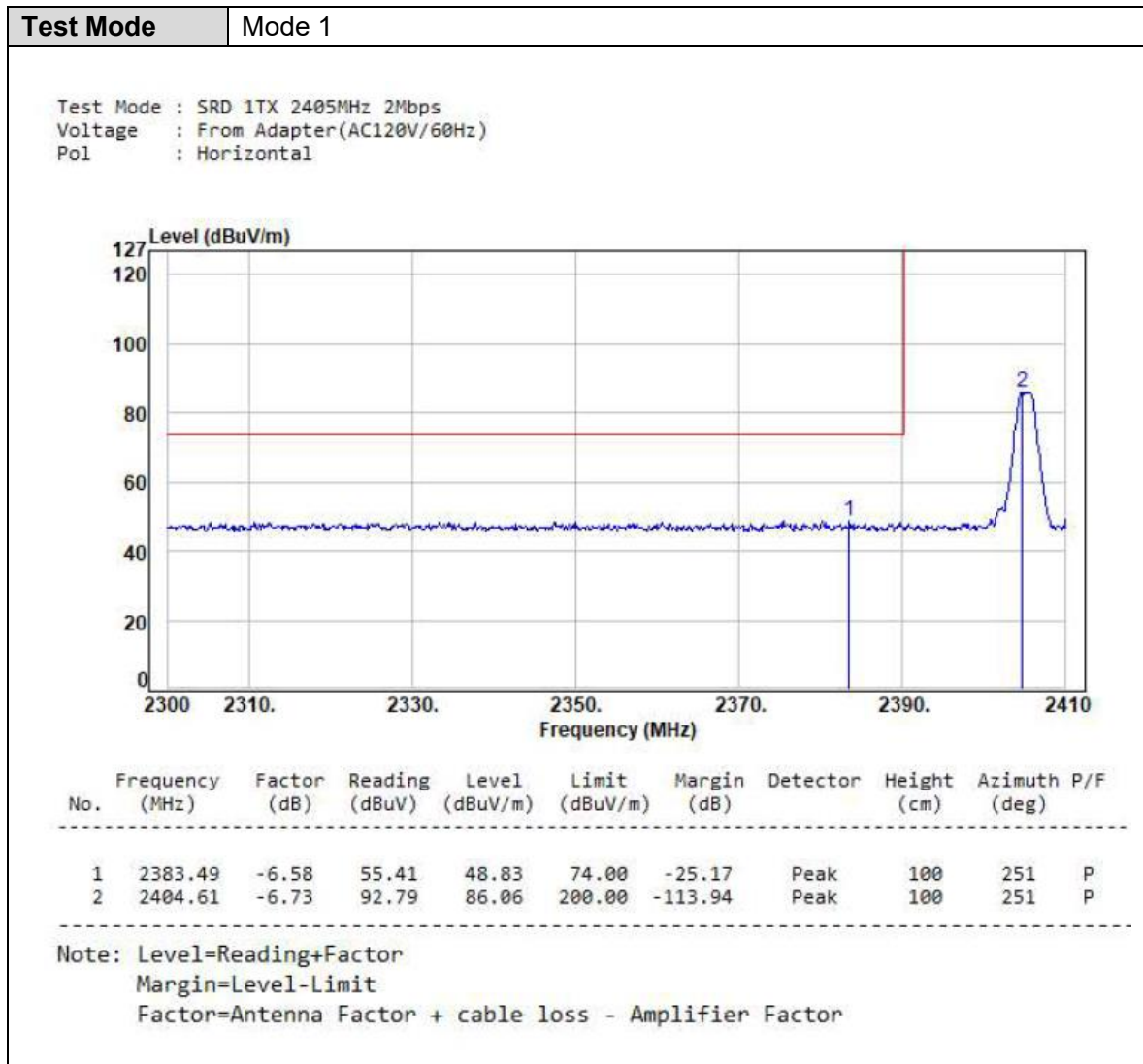
Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor



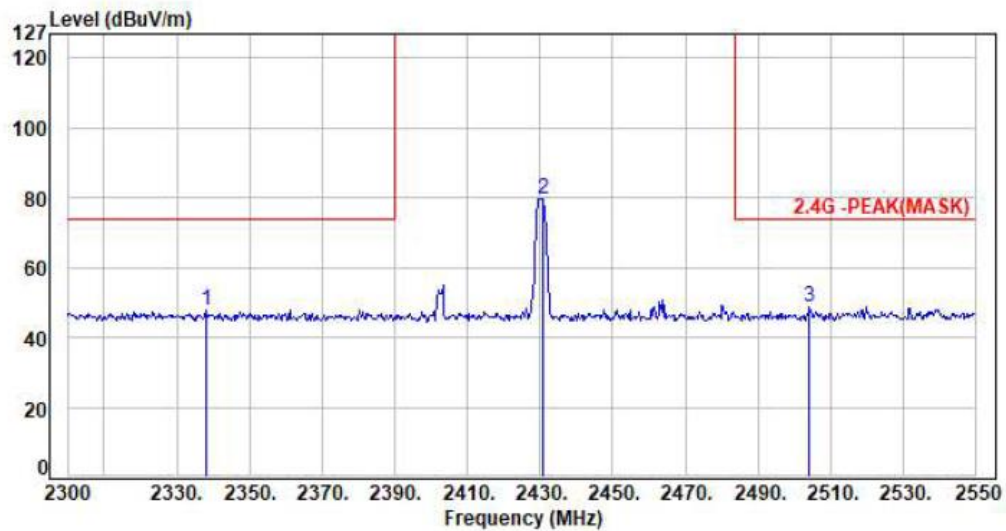
6.6 Test Result and Data (Bandedge)





**Test Mode** Mode 1

Test Mode : SRD 1TX 2430MHz 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Vertical

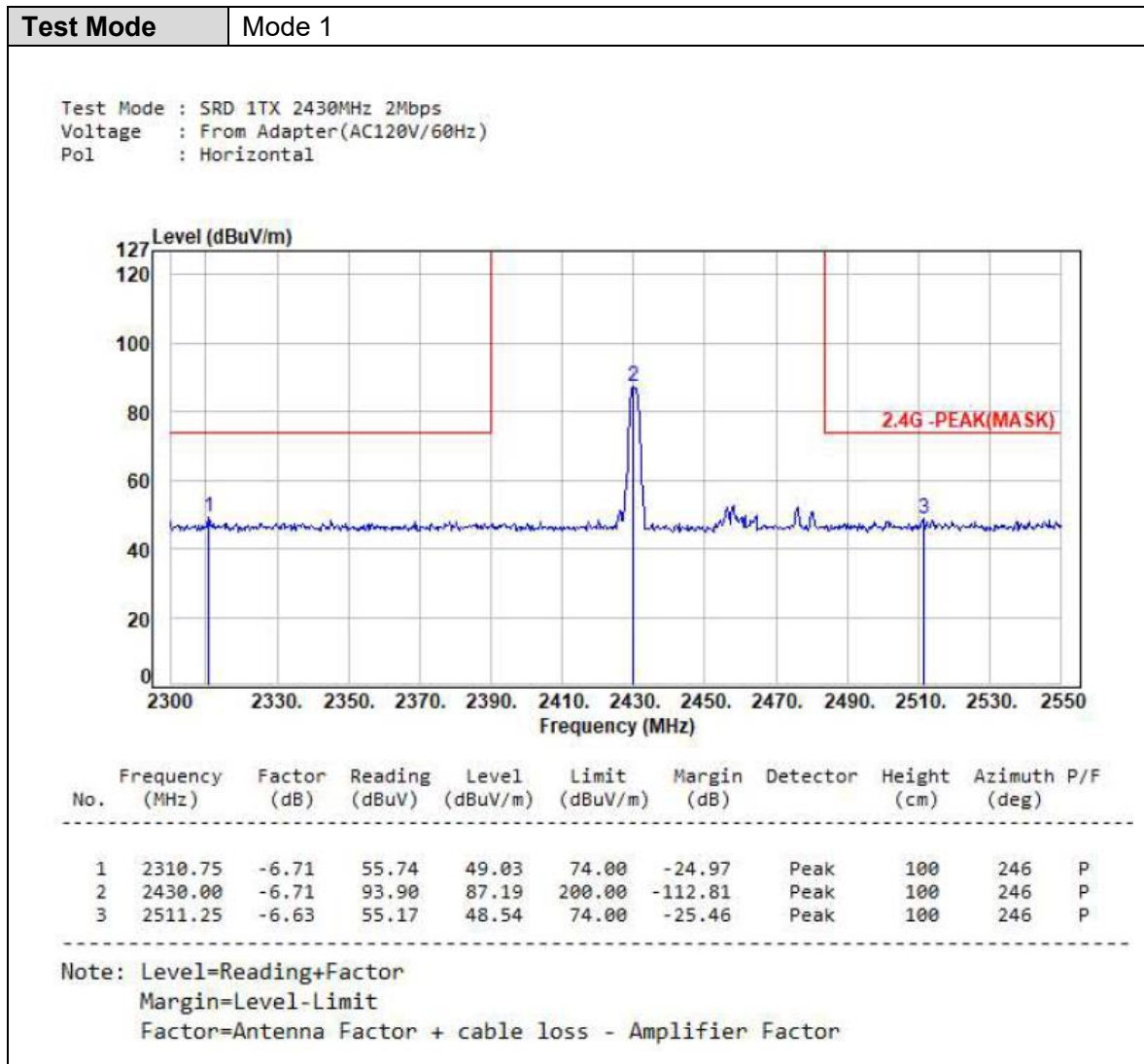


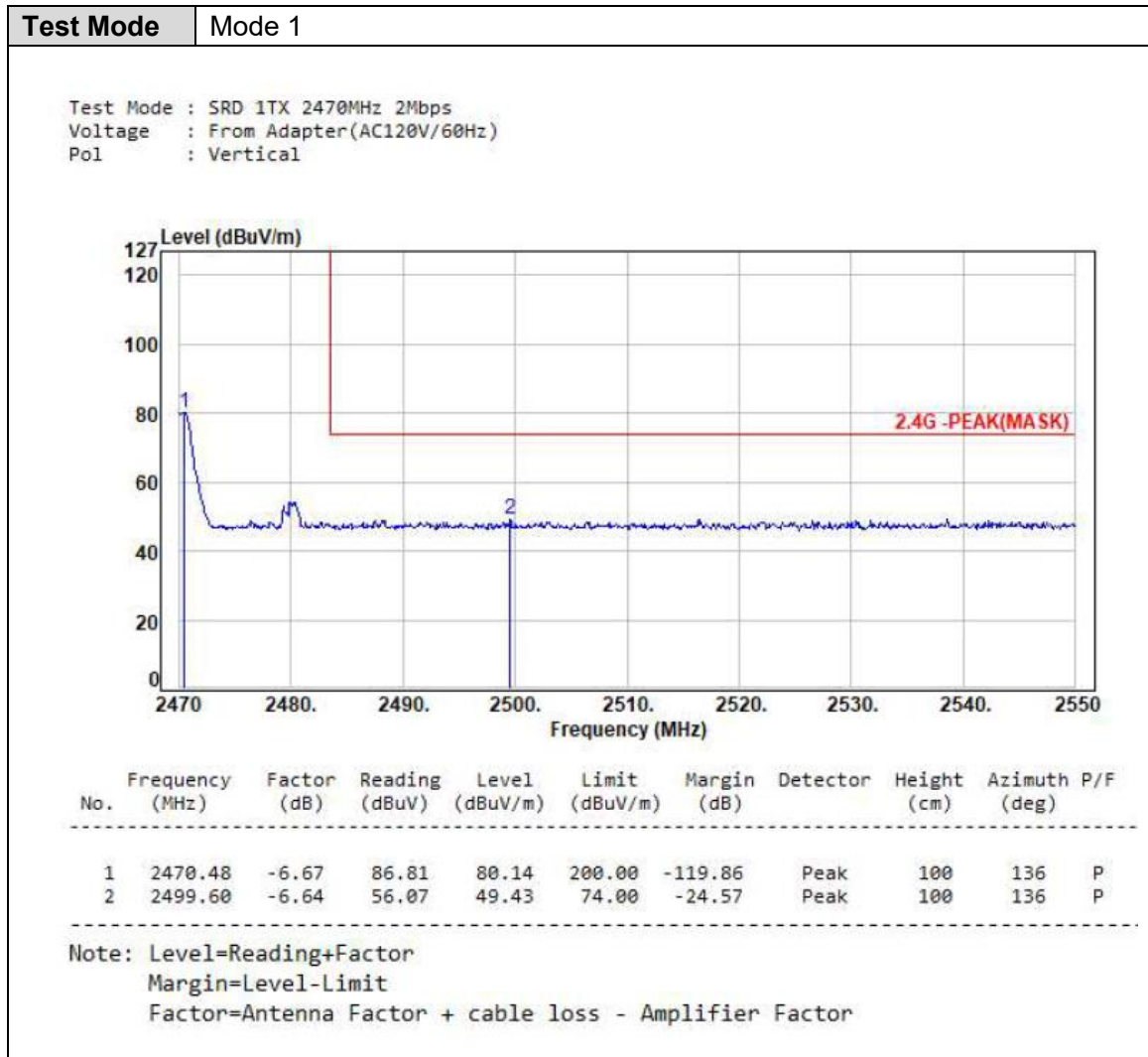
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	2338.00	-6.60	54.33	47.73	74.00	-26.27	Peak	114	136	P
2	2430.75	-6.71	86.55	79.84	200.00	-120.16	Peak	114	136	P
3	2504.25	-6.64	55.40	48.76	74.00	-25.24	Peak	114	136	P

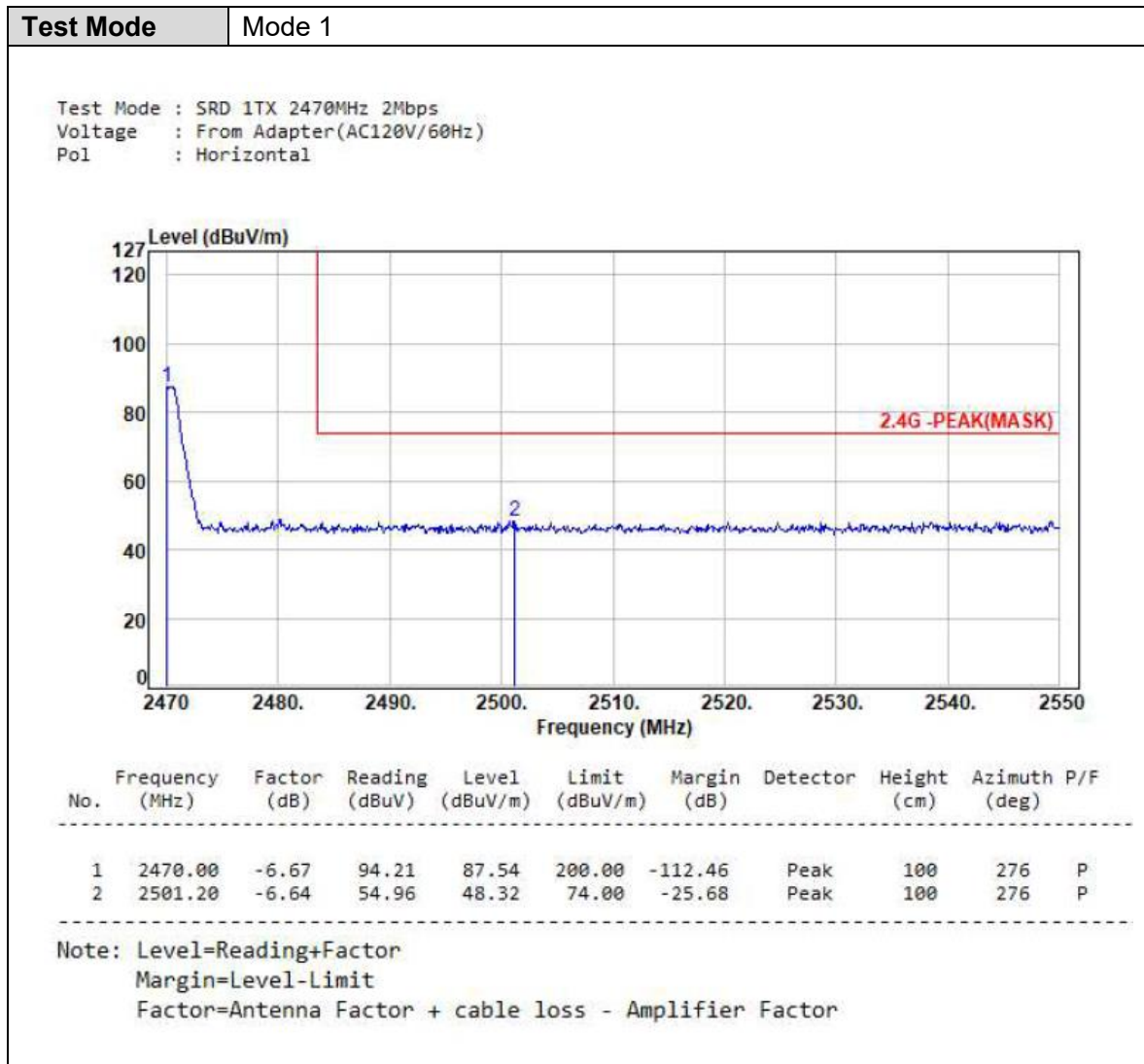
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

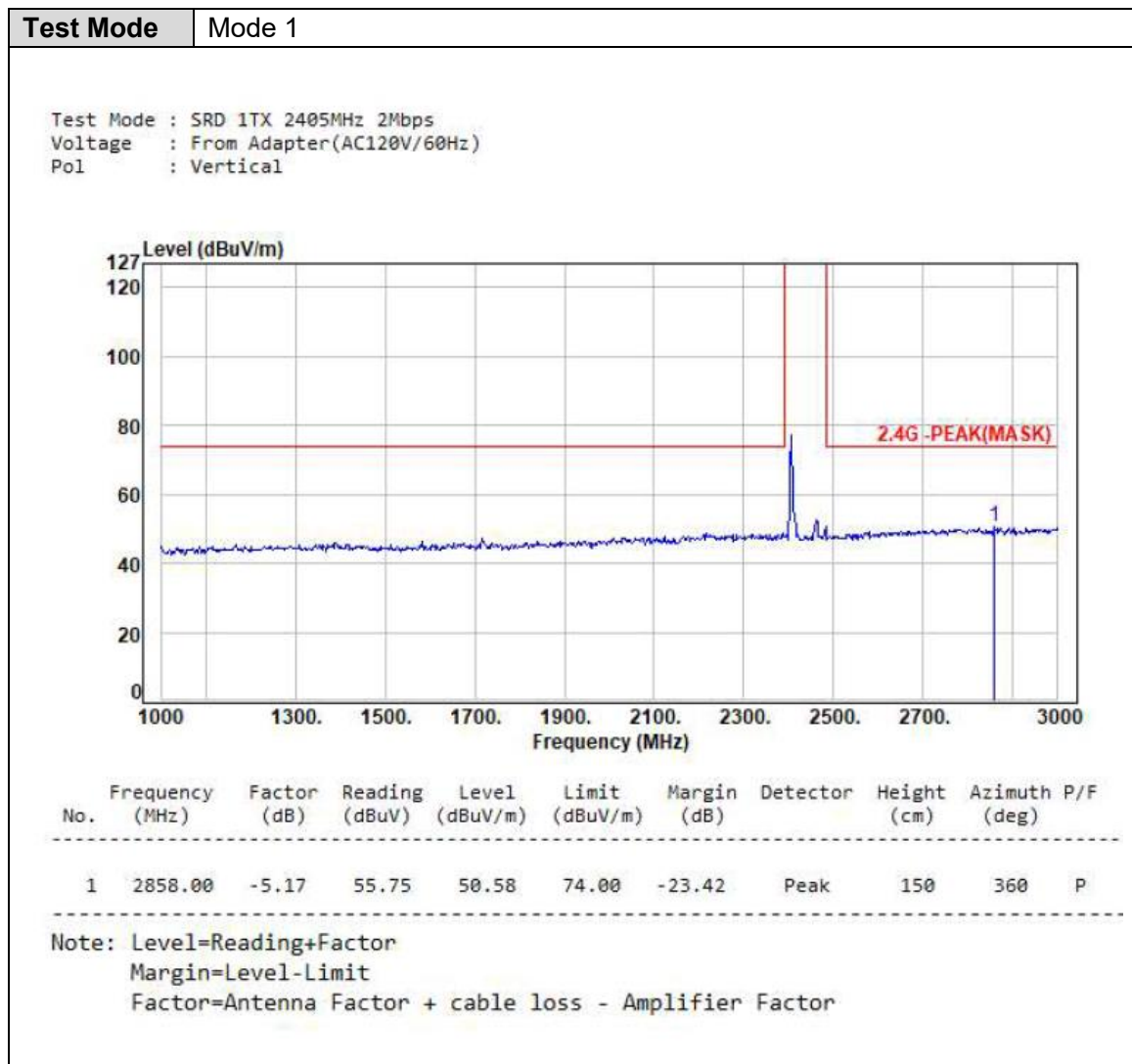


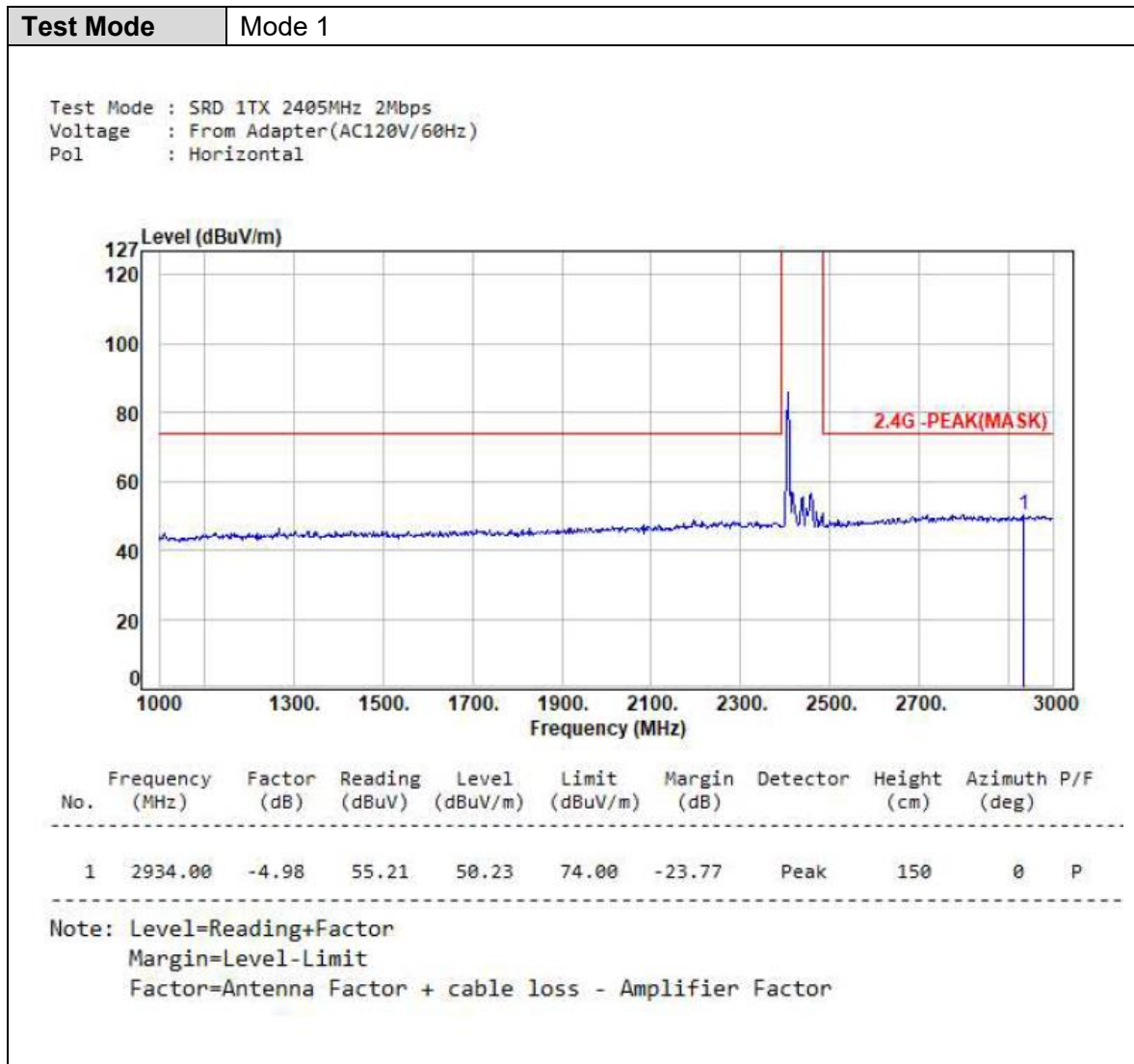


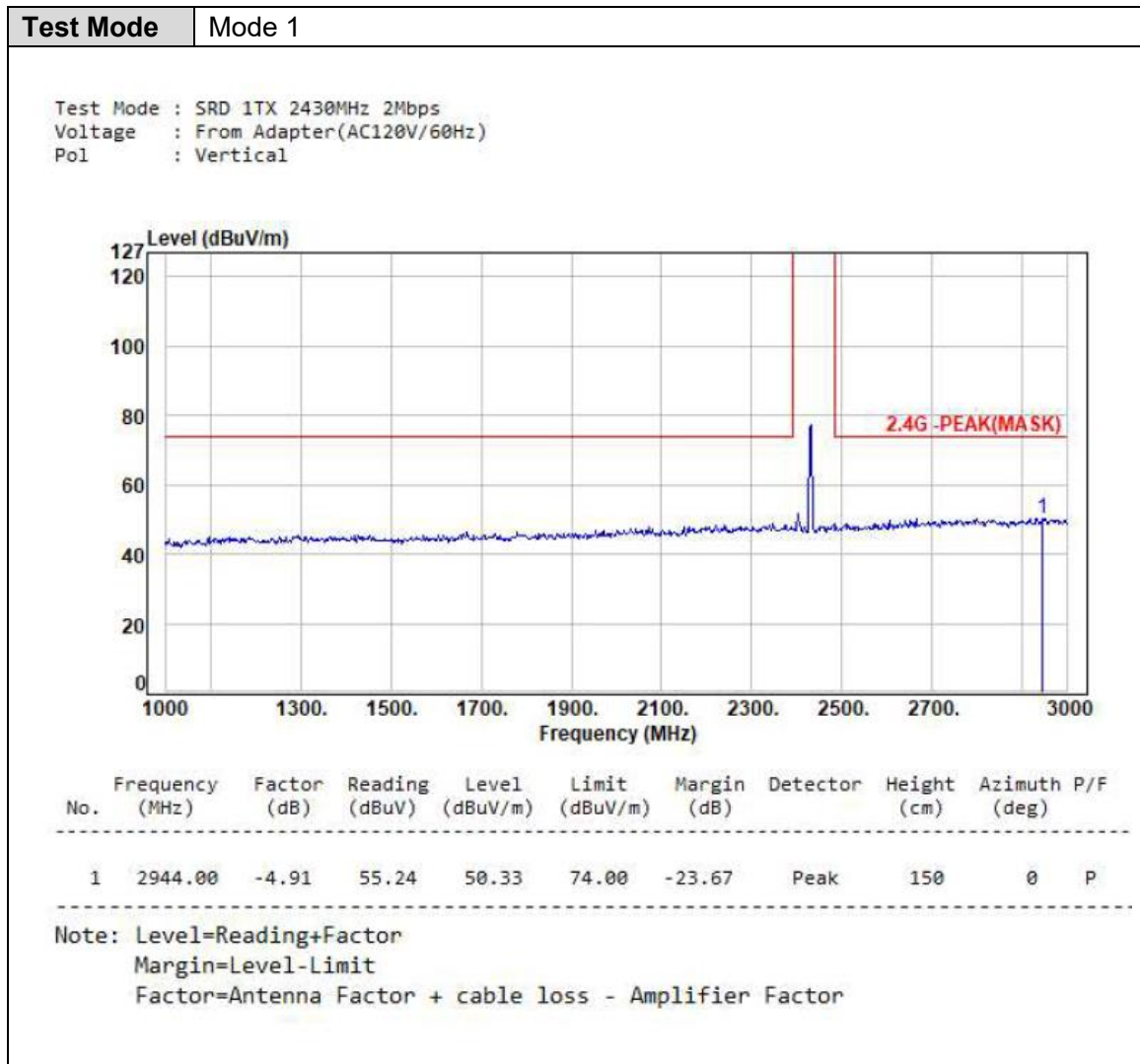


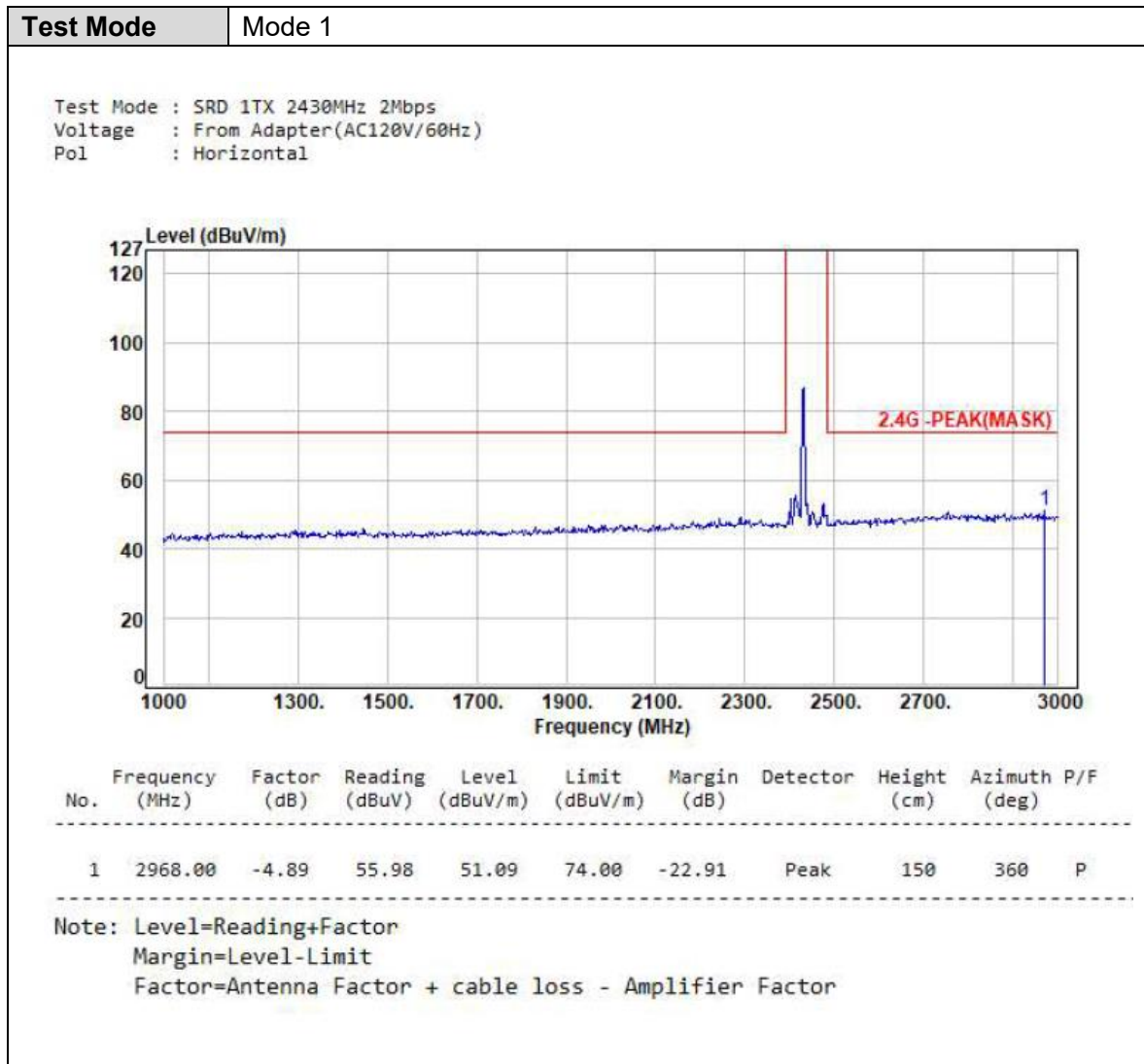


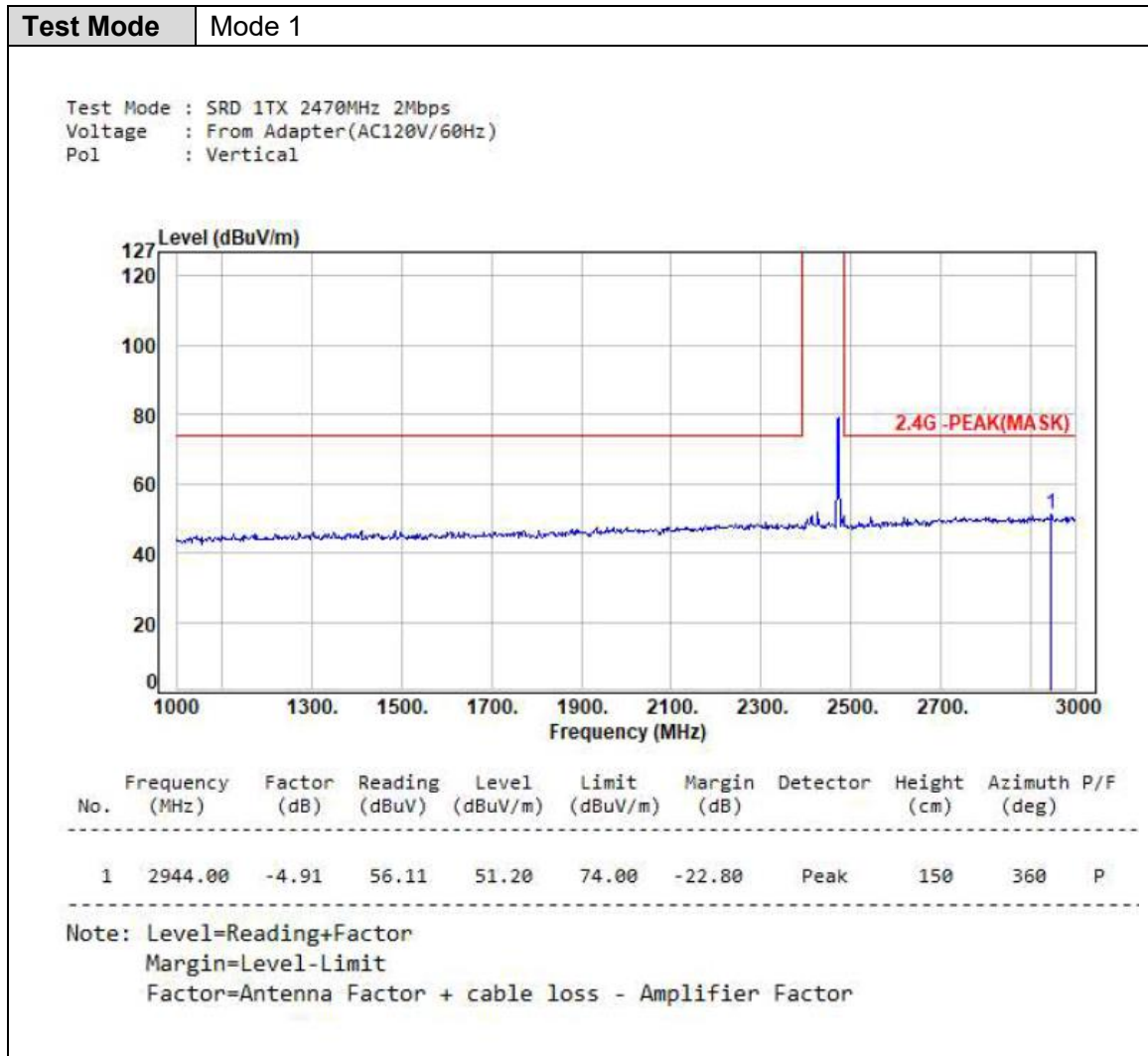
6.7 Test Result and Data (1GHz ~ 3GHz)

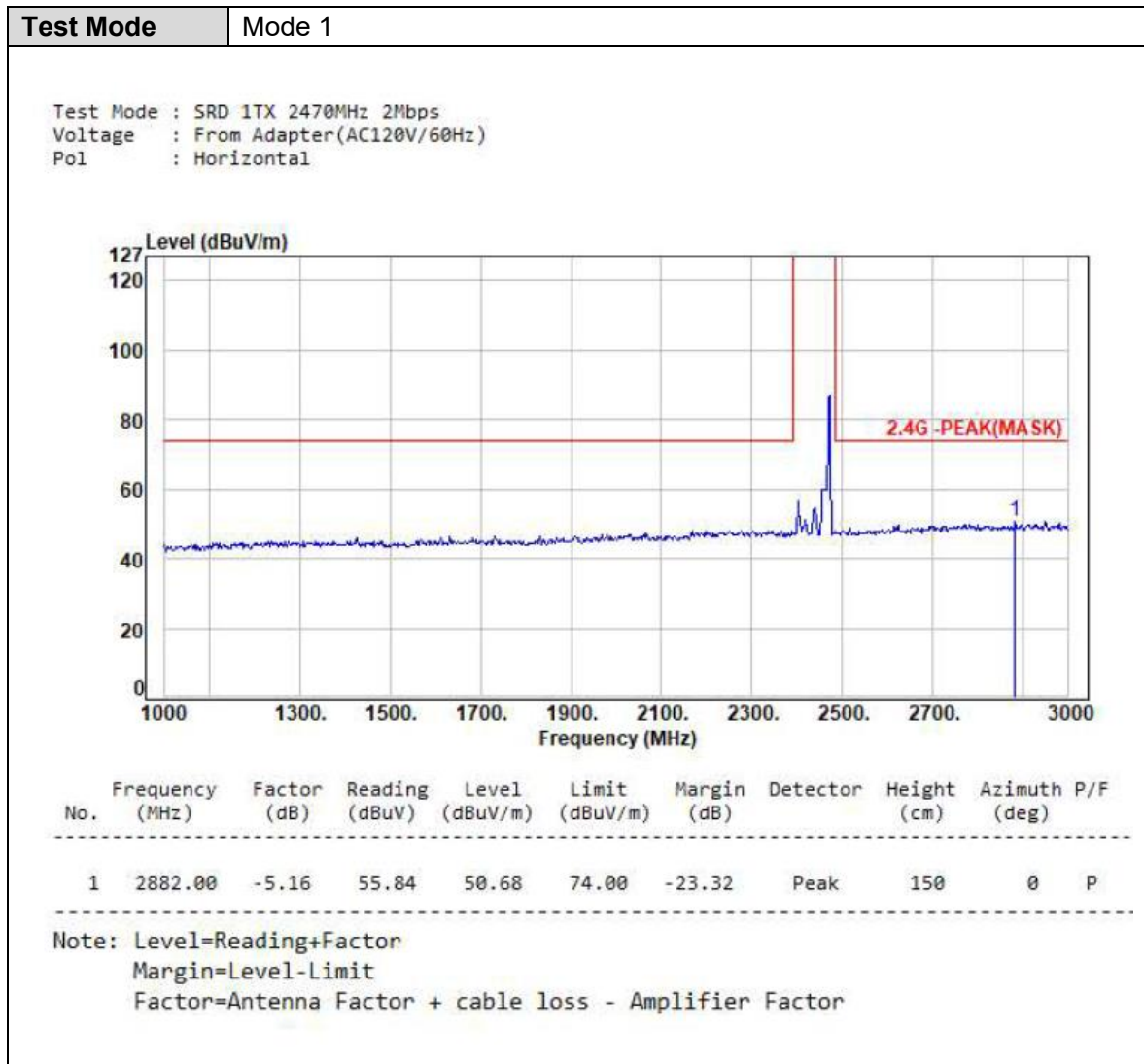






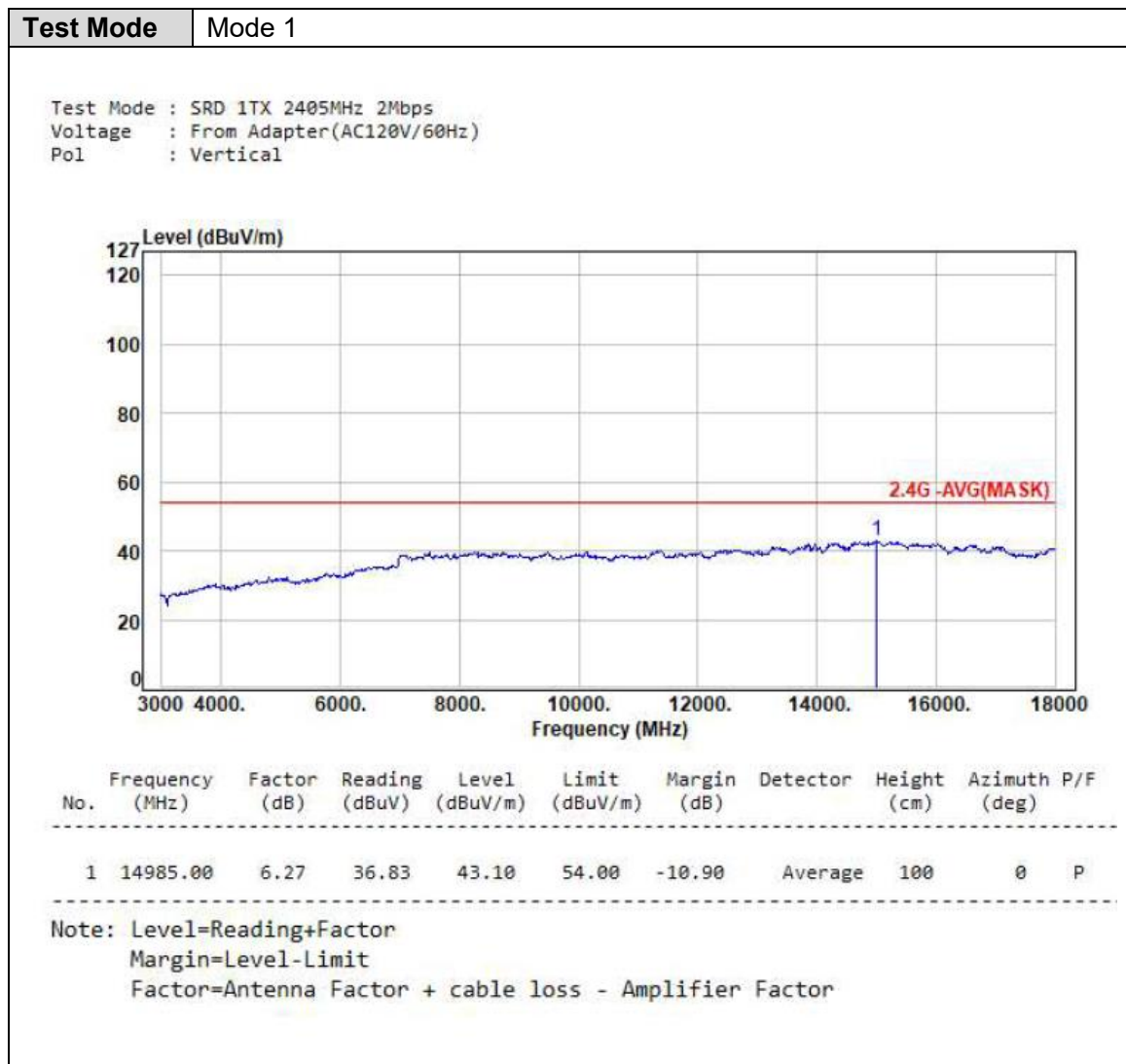


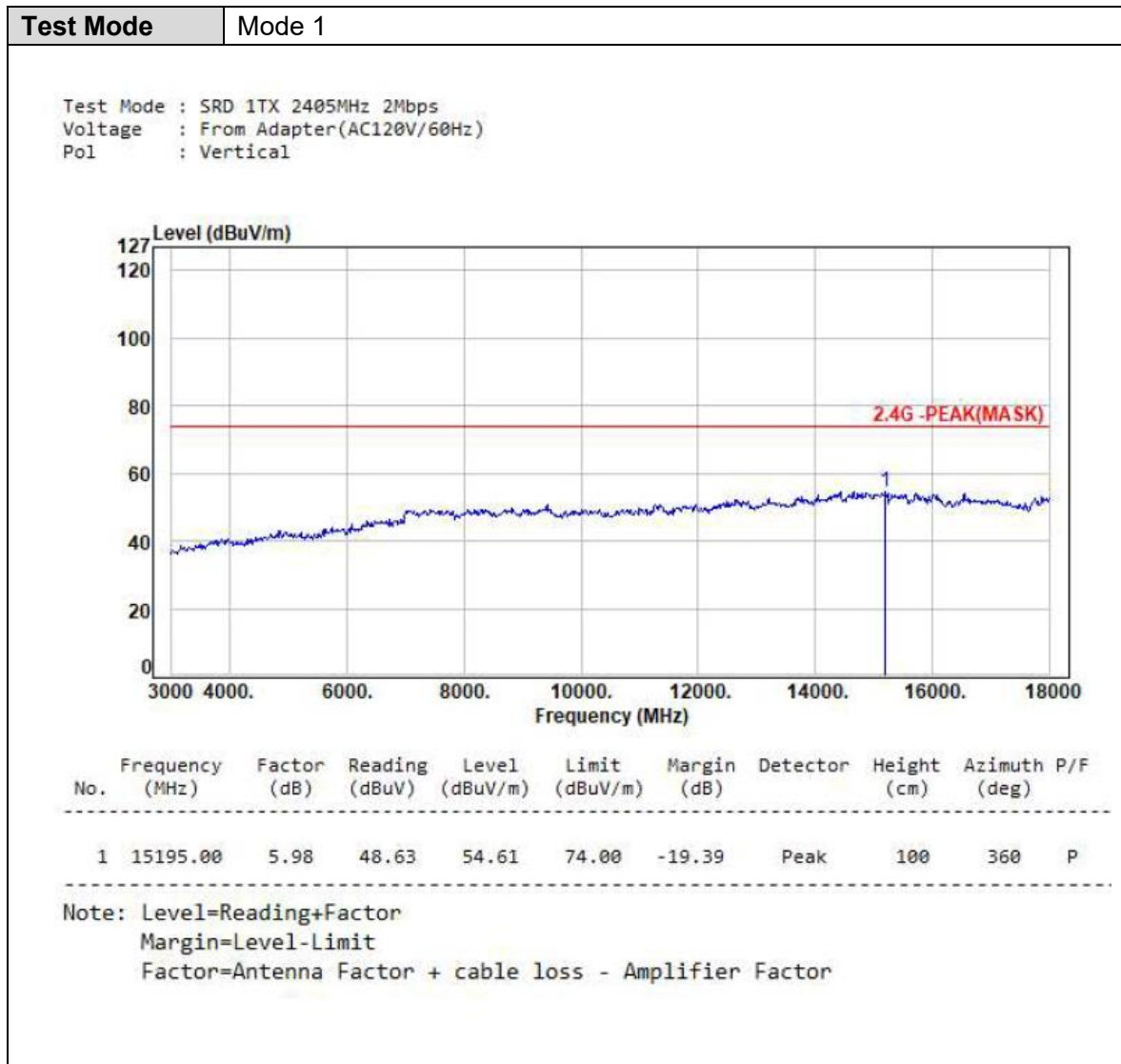


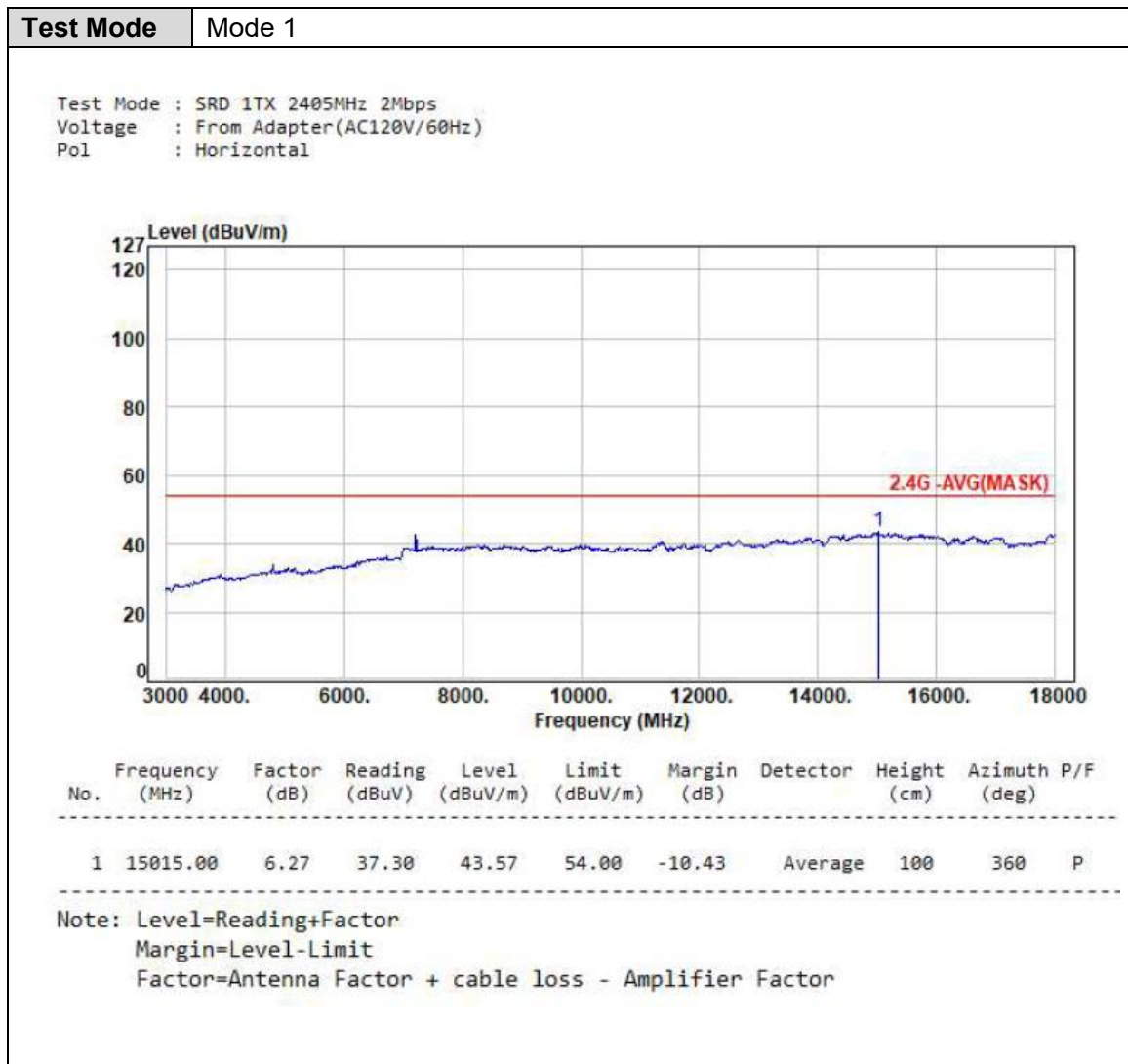


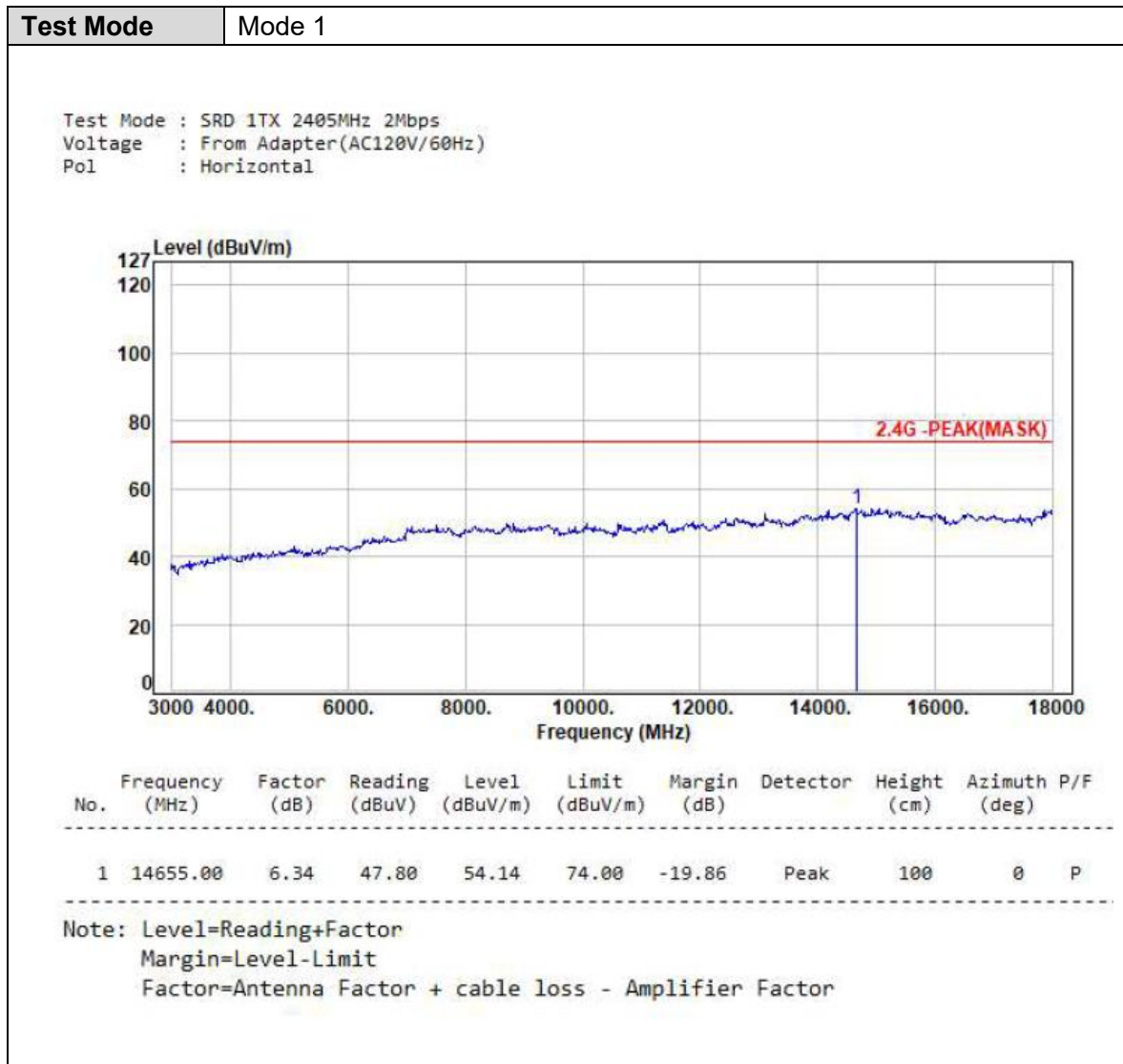


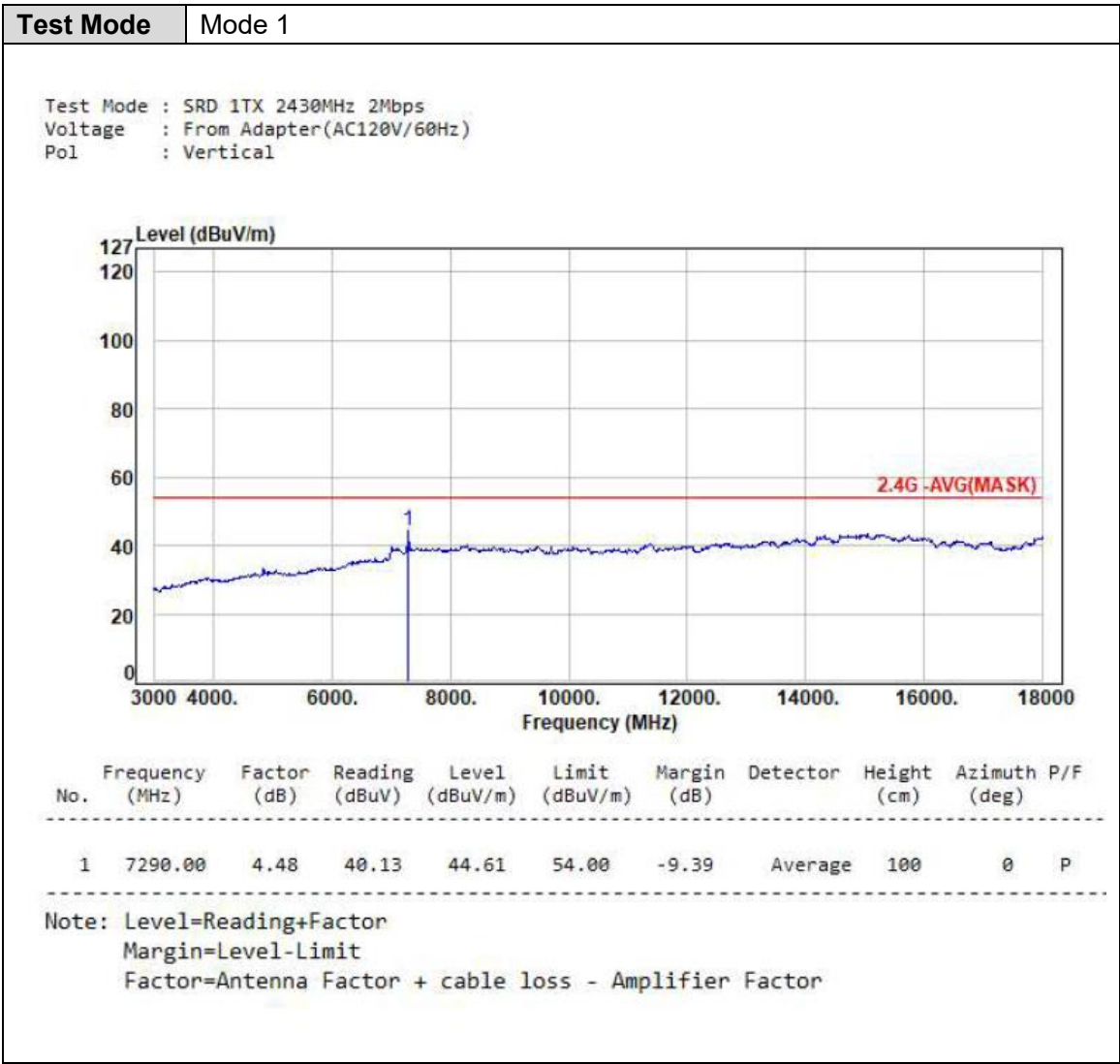
6.8 Test Result and Data (3GHz ~ 18GHz)

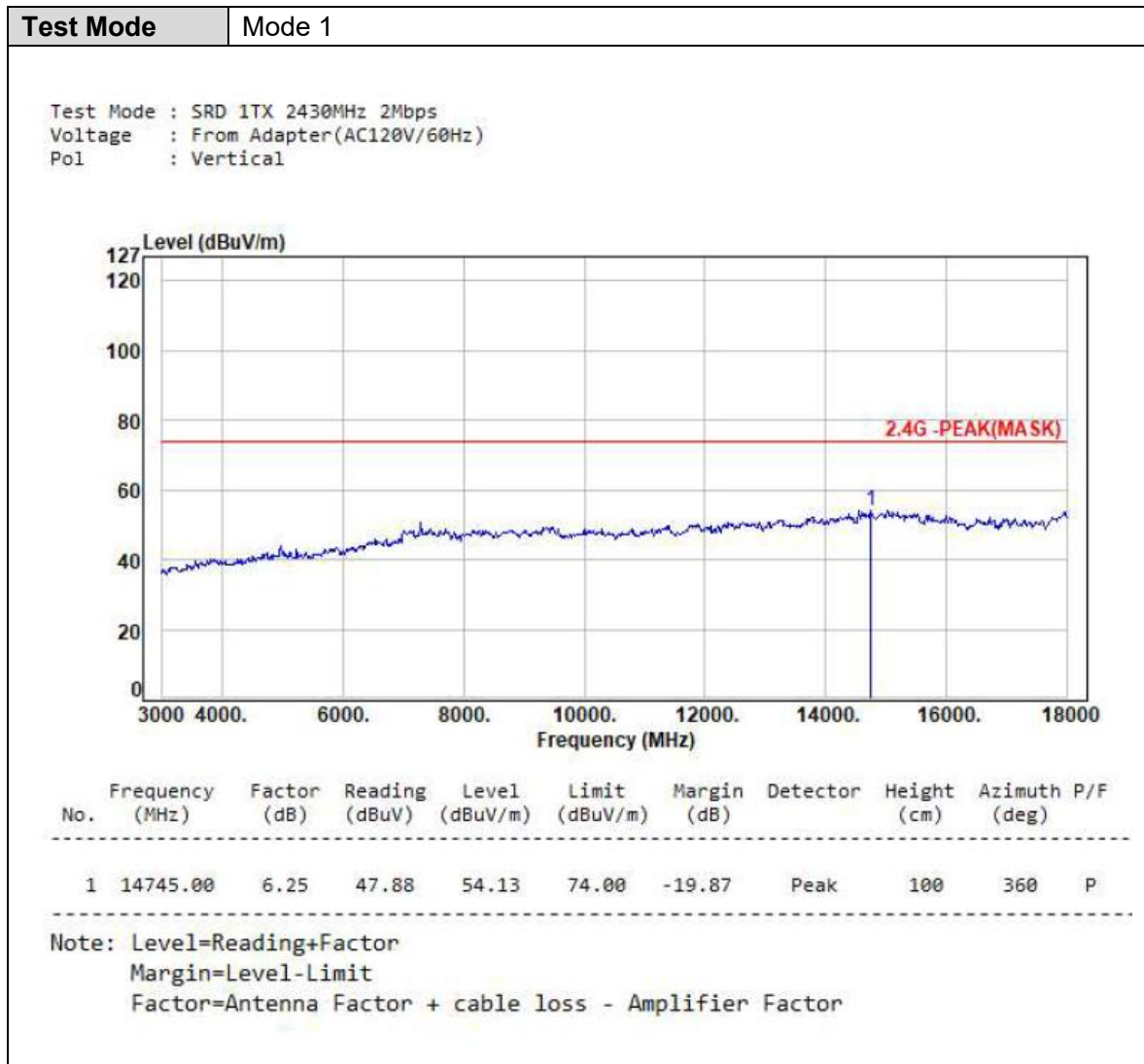


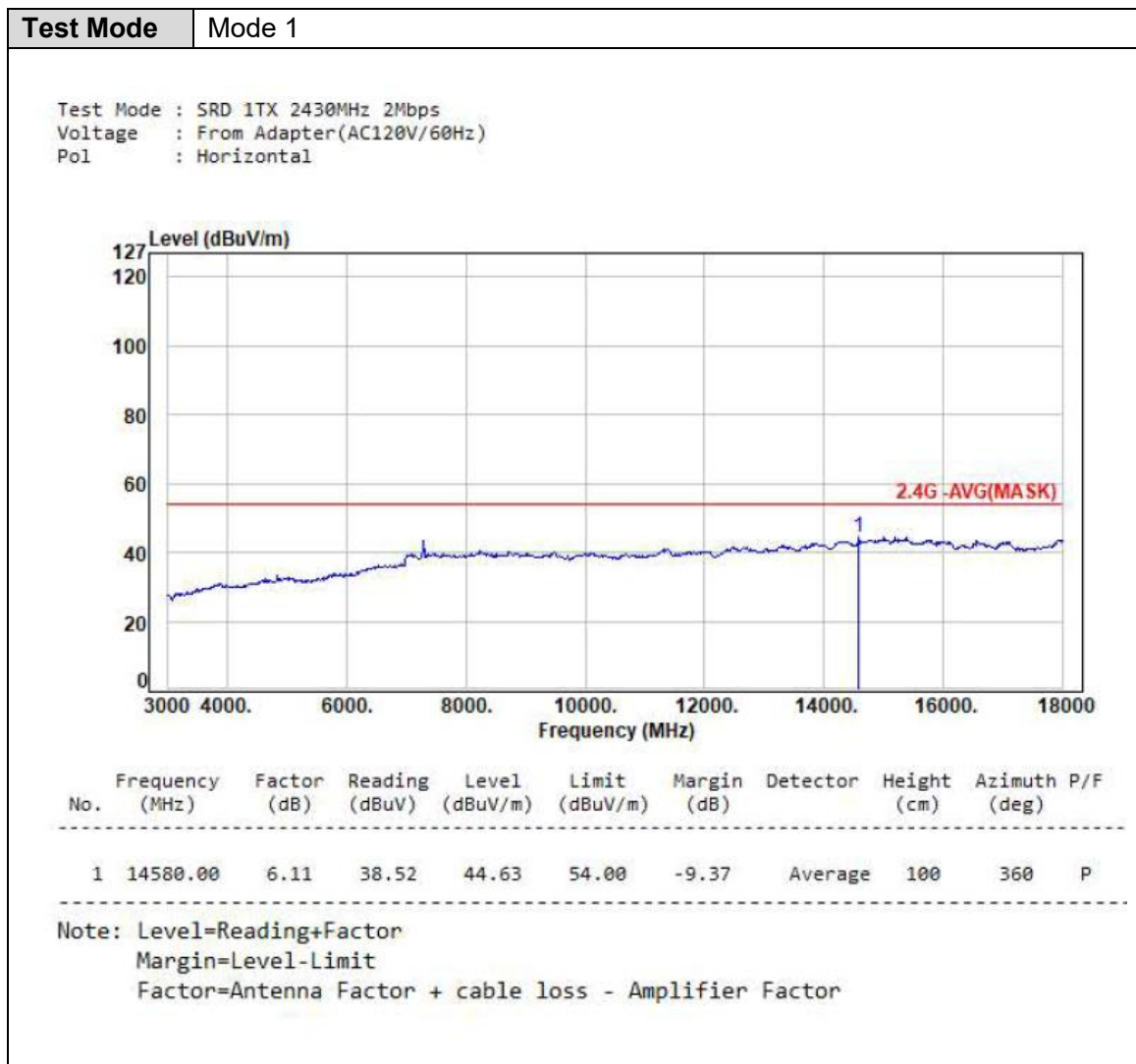


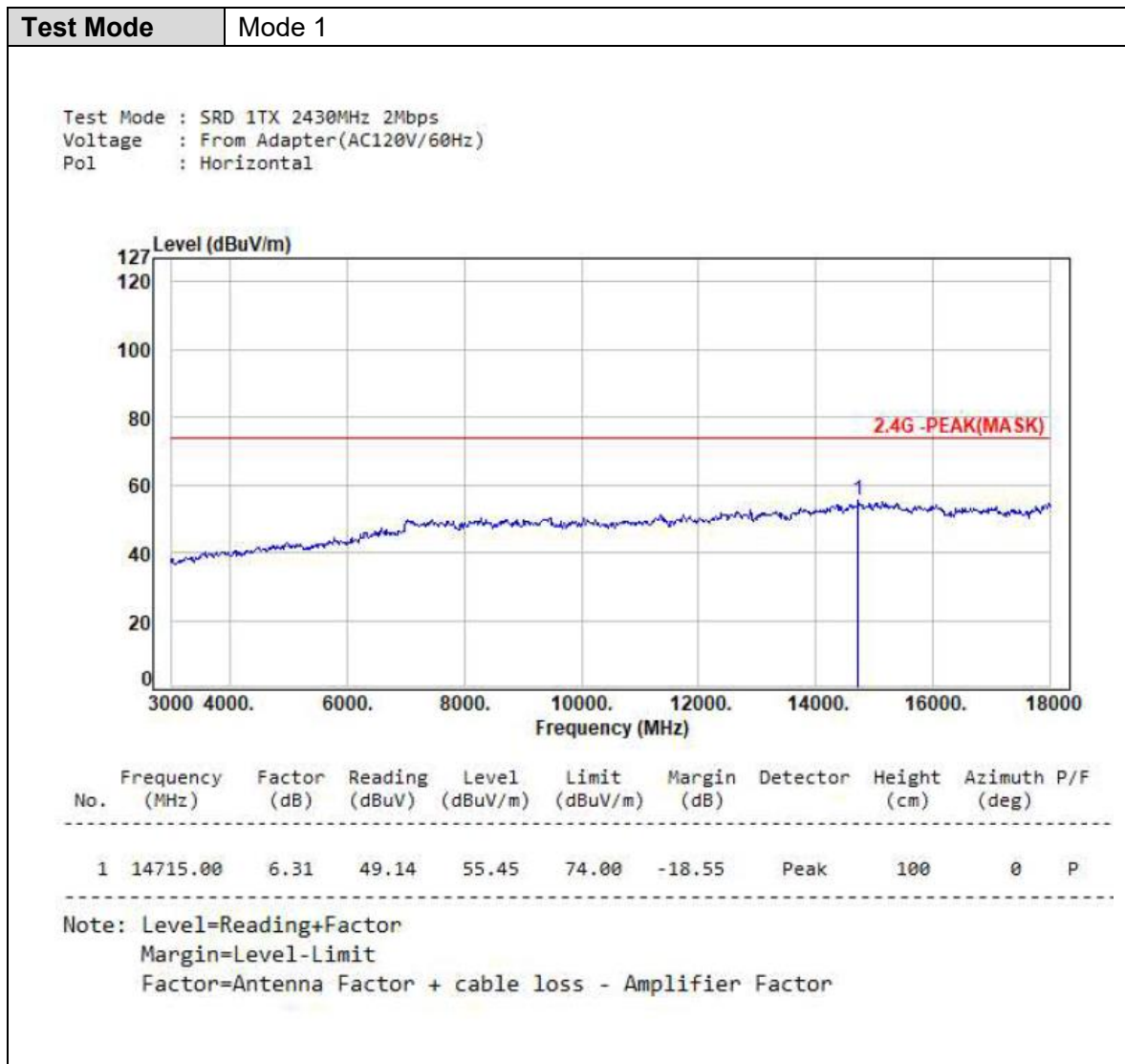






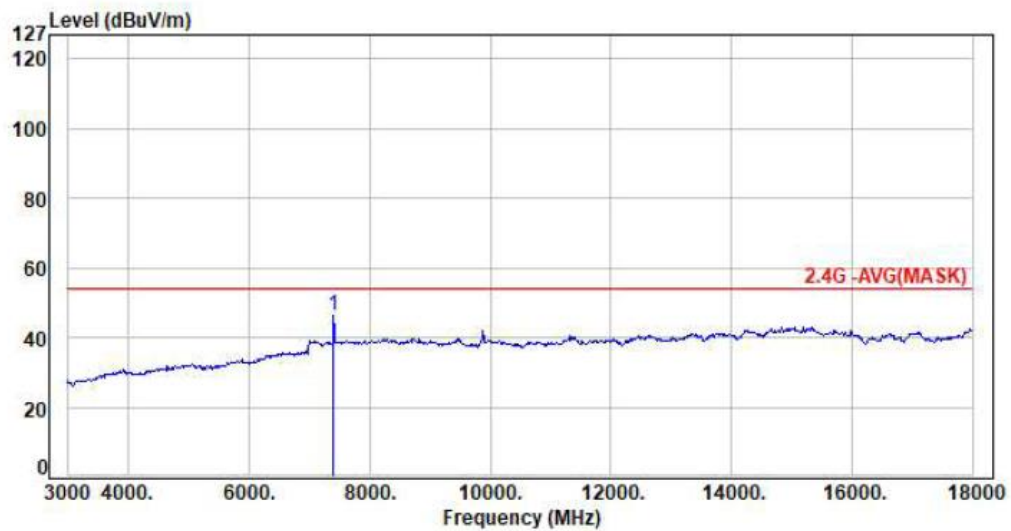






**Test Mode** Mode 1

Test Mode : SRD 1TX 2470MHz 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Vertical

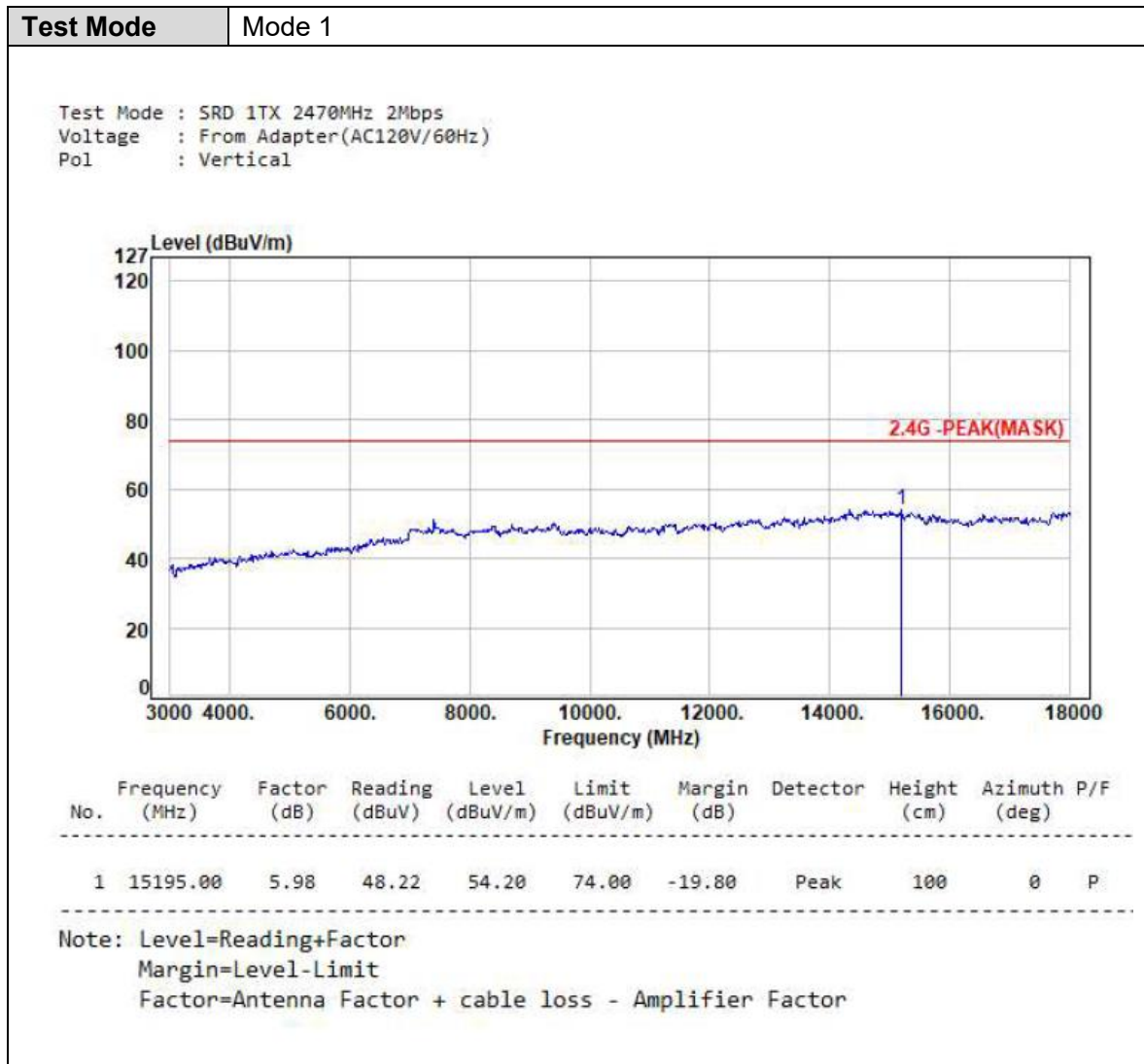


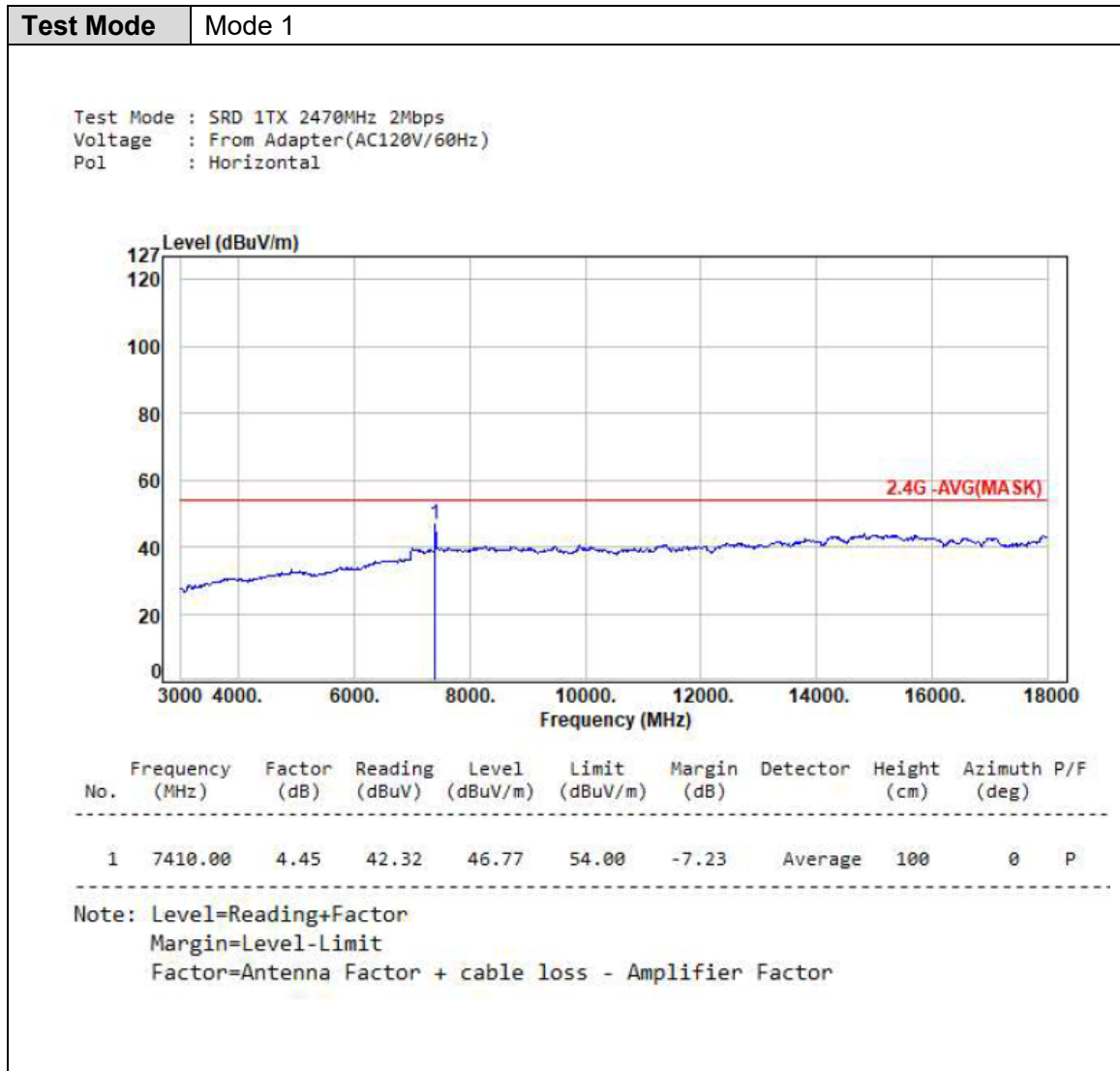
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	7410.00	4.45	42.07	46.52	54.00	-7.48	Average	100	360	P

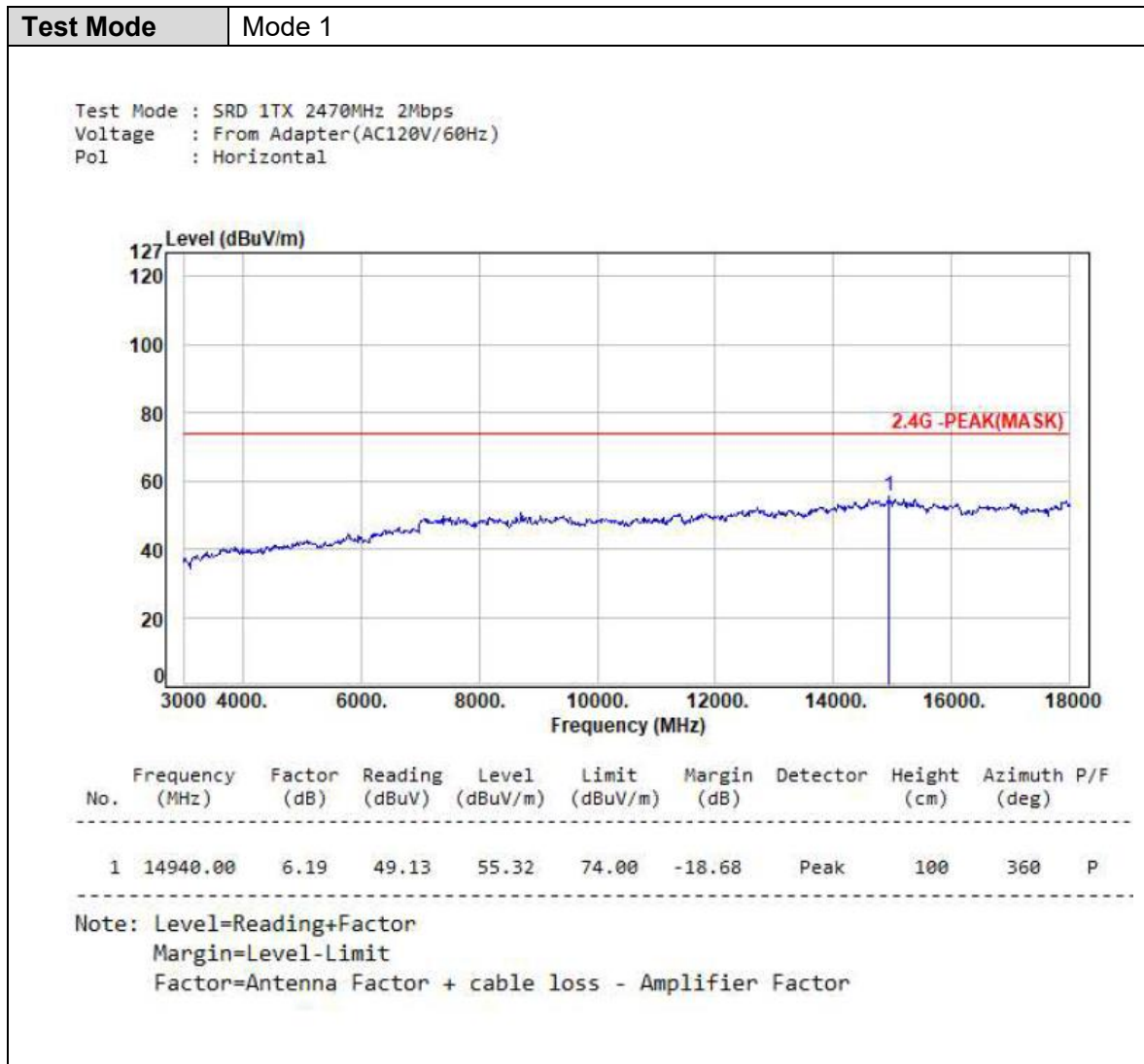
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

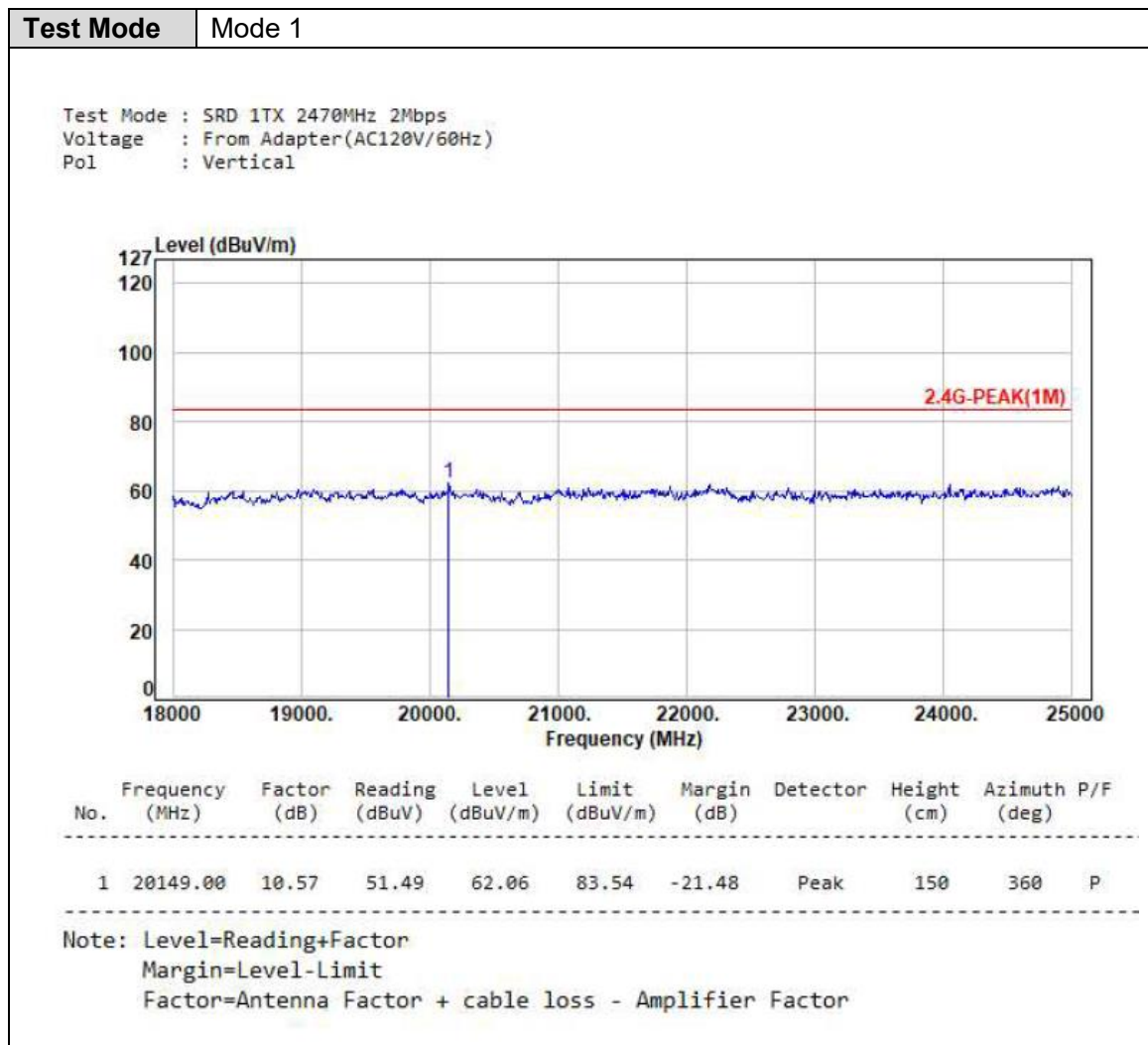


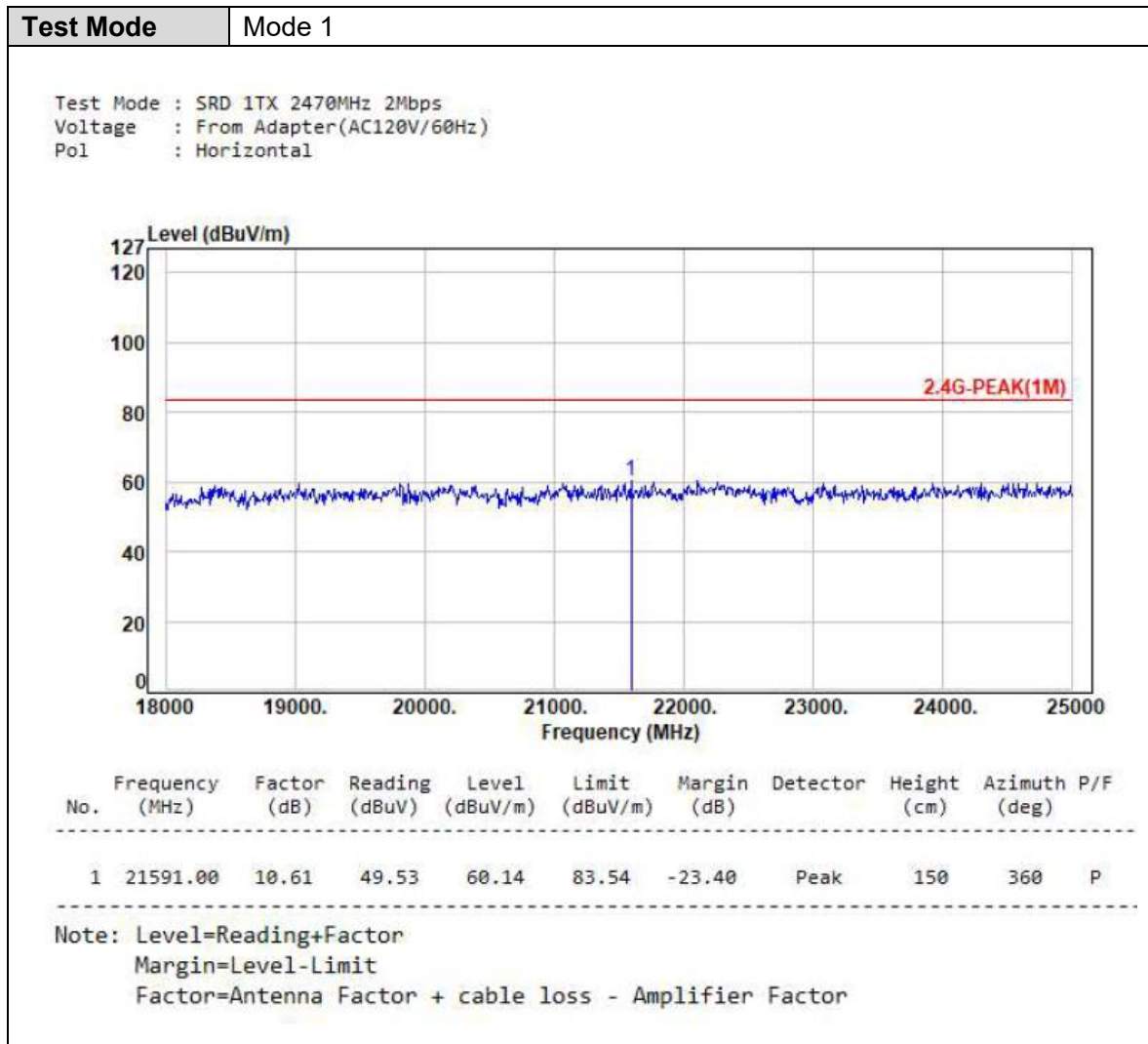






6.9 Test Result and Data (18GHz ~ 25GHz)







6.10 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 C63.10-2020 Section 11.11.1

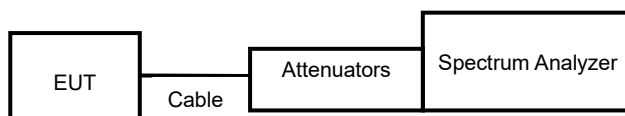
Below -30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

7.2 Test Procedure

According to the methods defined in ANSI C63.10-2020 Section 11.11.2 & 11.11.3

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

7.3 Test Setup Layout

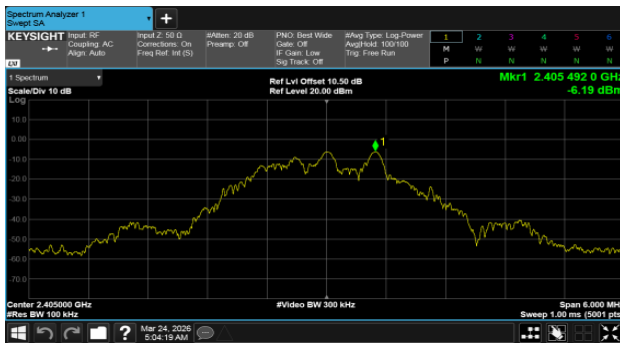


7.4 Test Result and Data

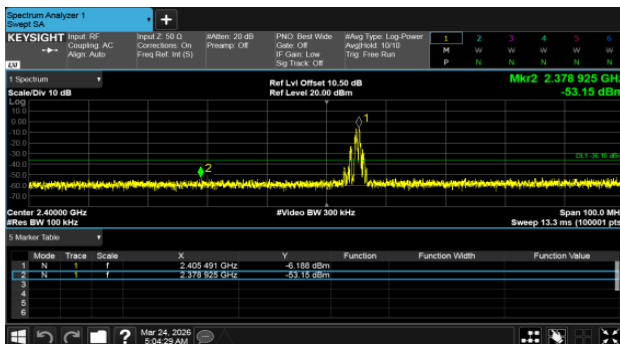
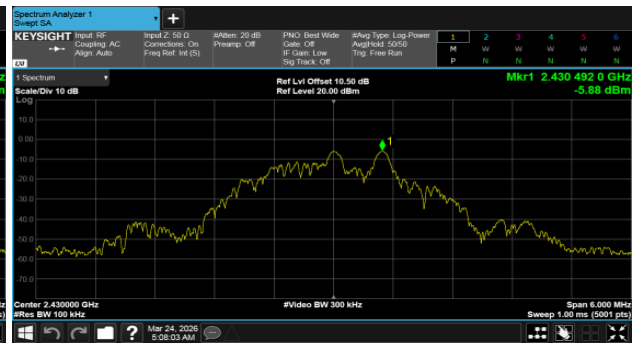
Note: Test plots refer to the following pages.



Modulation Type: GFSK(2Mbps), CH01



Modulation Type: GFSK(2Mbps), CH07





Modulation Type: GFSK(2Mbps), CH16



8. On Time, Duty Cycle and Measurement methods

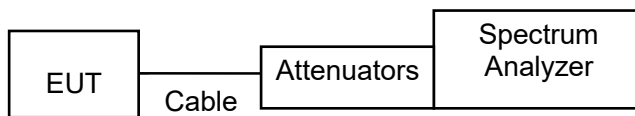
8.1 Test Limit

None; for reporting purposes only.

8.2 Test Procedure

According to the methods defined in ANSI C63.10-2020 Section 11.6 Zero-Span Spectrum Analyzer Method.

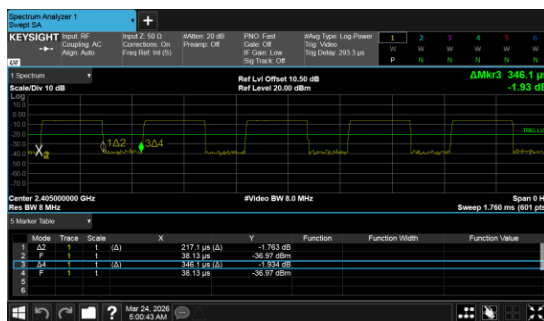
8.3 Test Setup Layout



8.4 Test Result and Data

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
GFSK(2Mbps)	0.22	0.35	62.73%

Modulation Type: GFSK(2Mbps)





9. 6dB Bandwidth Measurement Data

9.1 Test Limit

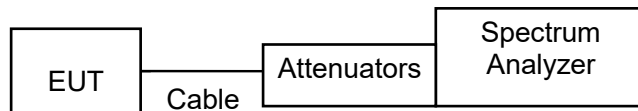
The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

9.2 Test Procedures

According to the methods defined in ANSI C63.10-2020 Section 11.8

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

9.3 Test Setup Layout

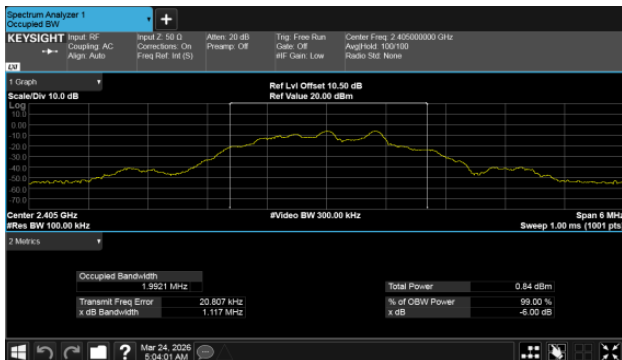


9.4 Test Result and Data

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (kHz)	Limit (kHz)
GFSK (2Mbps)	01	2405	1117.00	500
	07	2430	1121.00	500
	16	2470	1113.00	500



Modulation Type: GFSK(2Mbps), CH01



Modulation Type: GFSK(2Mbps), CH07



Modulation Type: GFSK(2Mbps), CH16





10. Maximum Average Output Power

10.1 Test Limit

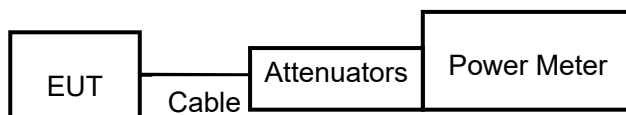
The Maximum Output Power Measurement is 30dBm.

10.2 Test Procedures

According to the methods defined in ANSI C63.10-2020 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



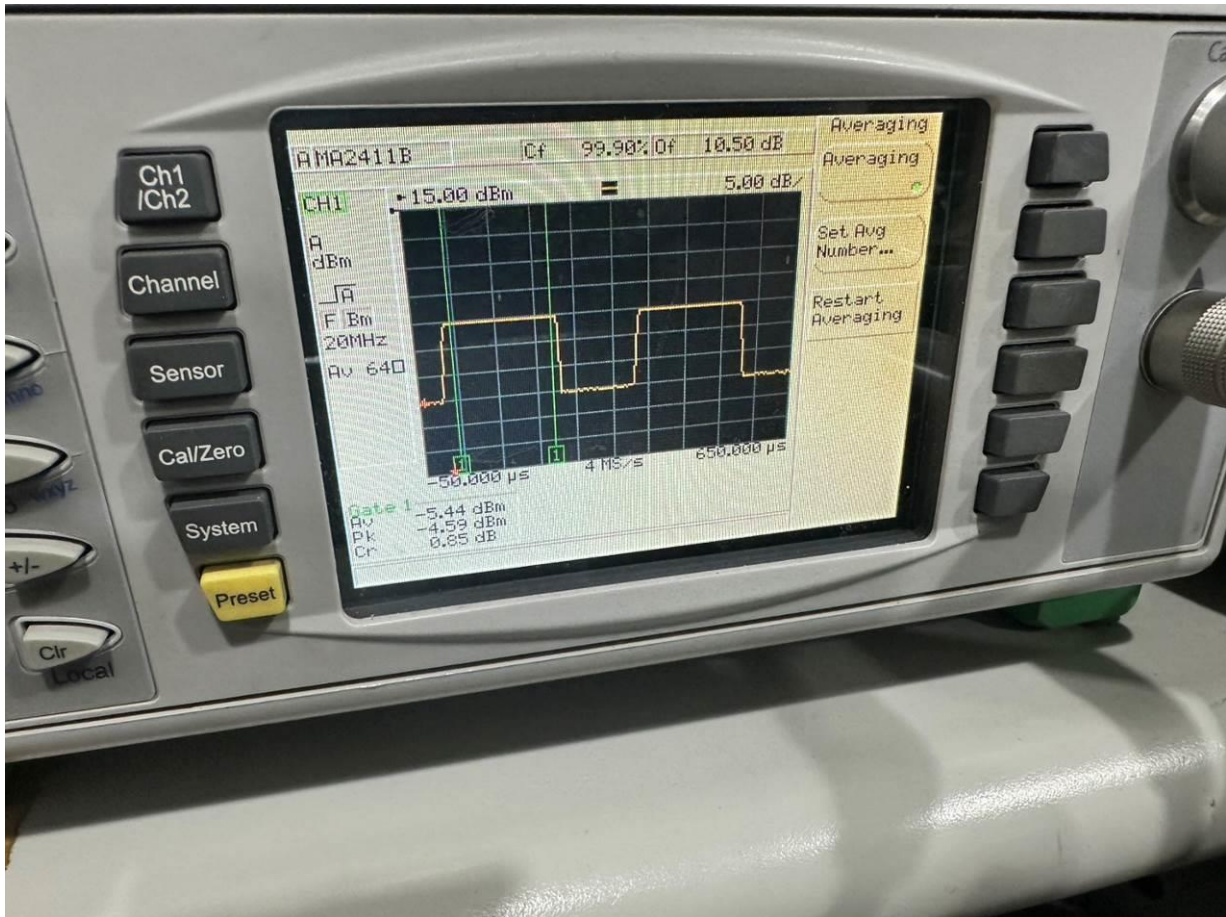
10.4 Test Result and Data

Conducted Setting	Modulation Type	Channel	Frequency (MHz)	Power Output (dBm)	Power Output (mW)
				Average	Average
Default	GFSK (2Mbps)	01	2405	-5.46	0.284
Default		07	2430	-5.22	0.301
Default		16	2470	-4.95	0.320



Gate setup plot:

Modulation: GFSK: 2Mbps





11. Power Spectral Density

11.1 Test Limit

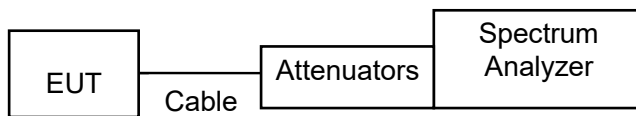
The Maximum of Power Spectral Density Measurement is 8dBm.

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 C63.10-2020 Section 11.10.1

11.3 Test Setup Layout

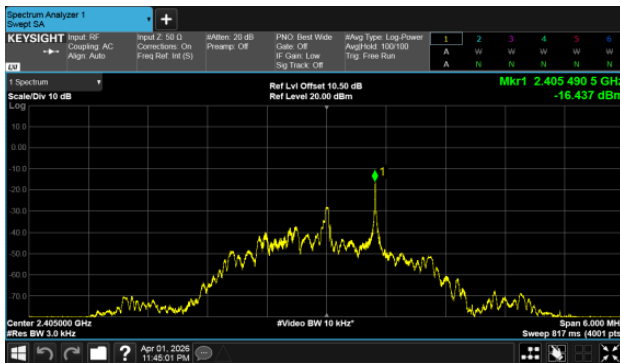


11.4 Test Result and Data

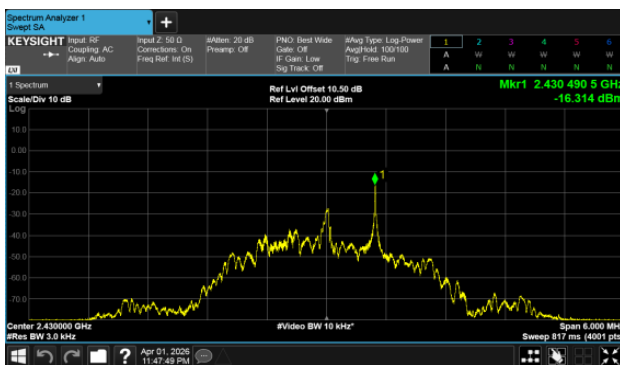
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3kHz Bandwidth(dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit
GFSK (2Mbps)	01	2405	-16.437	2.03	-14.41	8.00
	07	2430	-16.314	2.03	-14.29	8.00
	16	2470	-15.703	2.03	-13.68	8.00



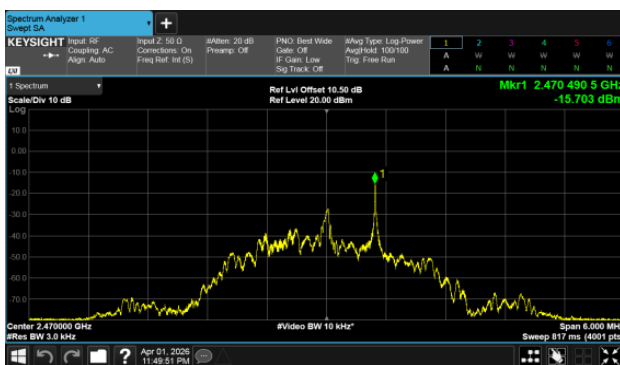
Modulation Type: GFSK(2Mbps), CH01



Modulation Type: GFSK(2Mbps), CH07



Modulation Type: GFSK(2Mbps), CH16



-----THE END OF REPORT-----