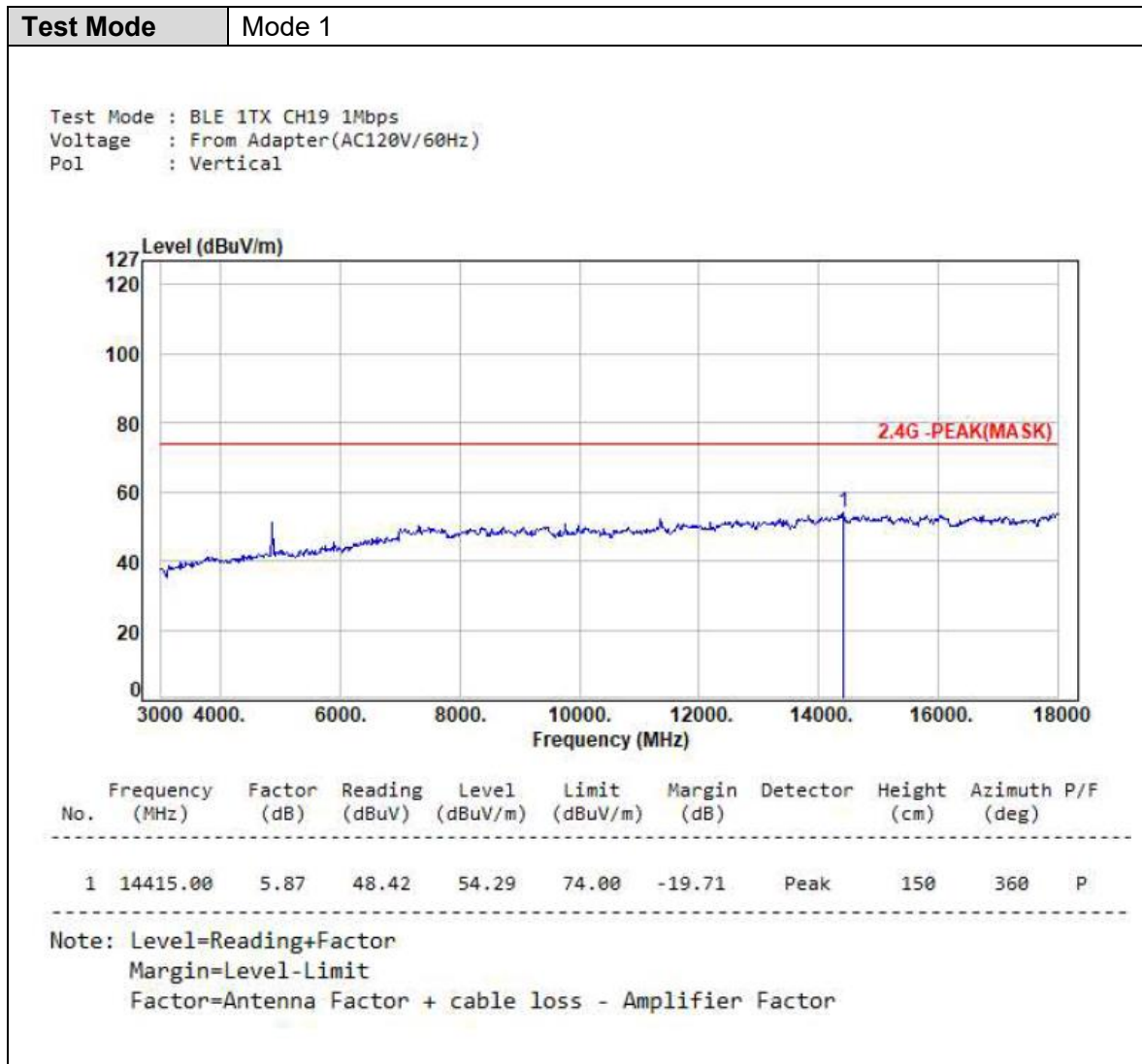
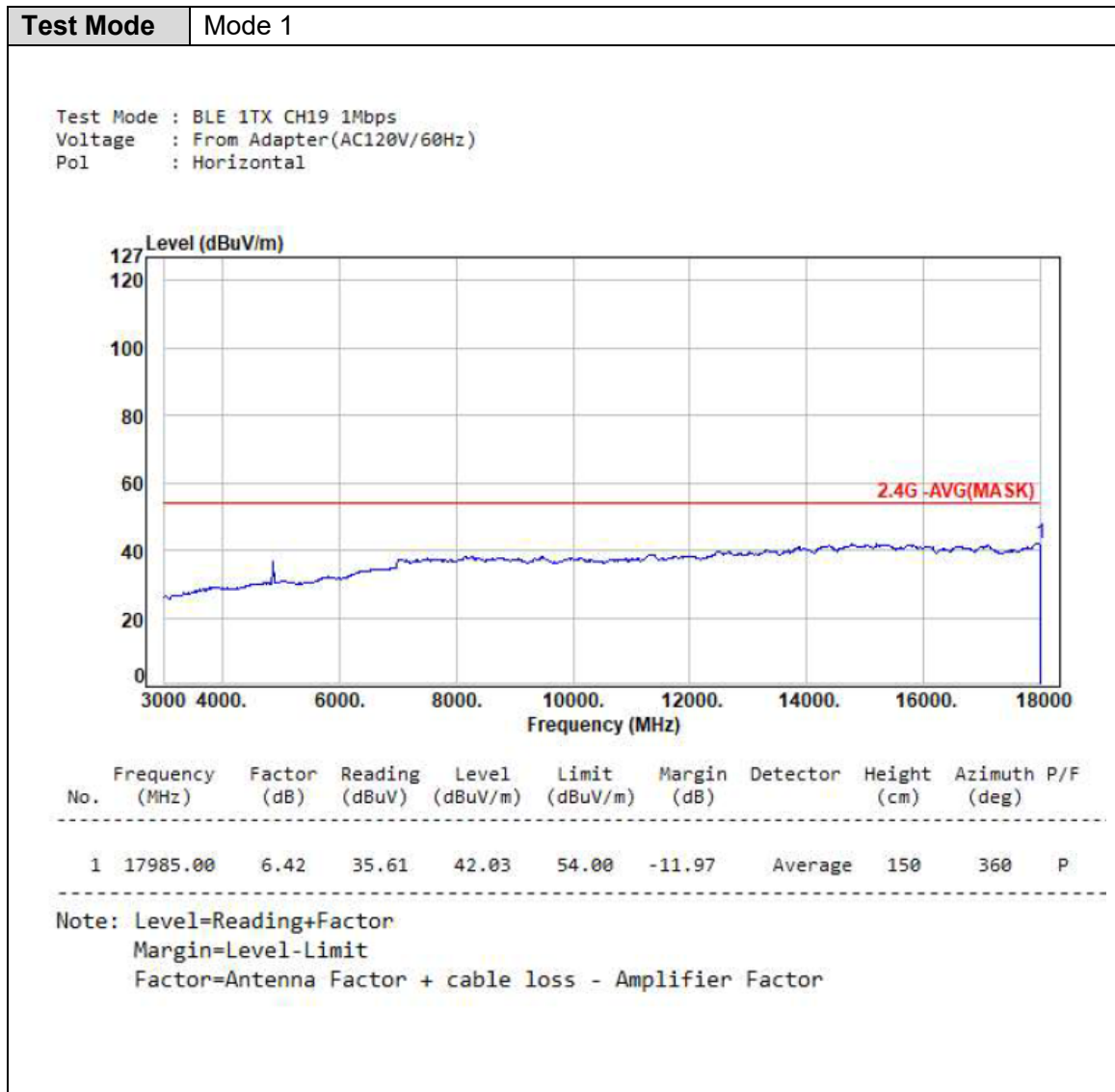
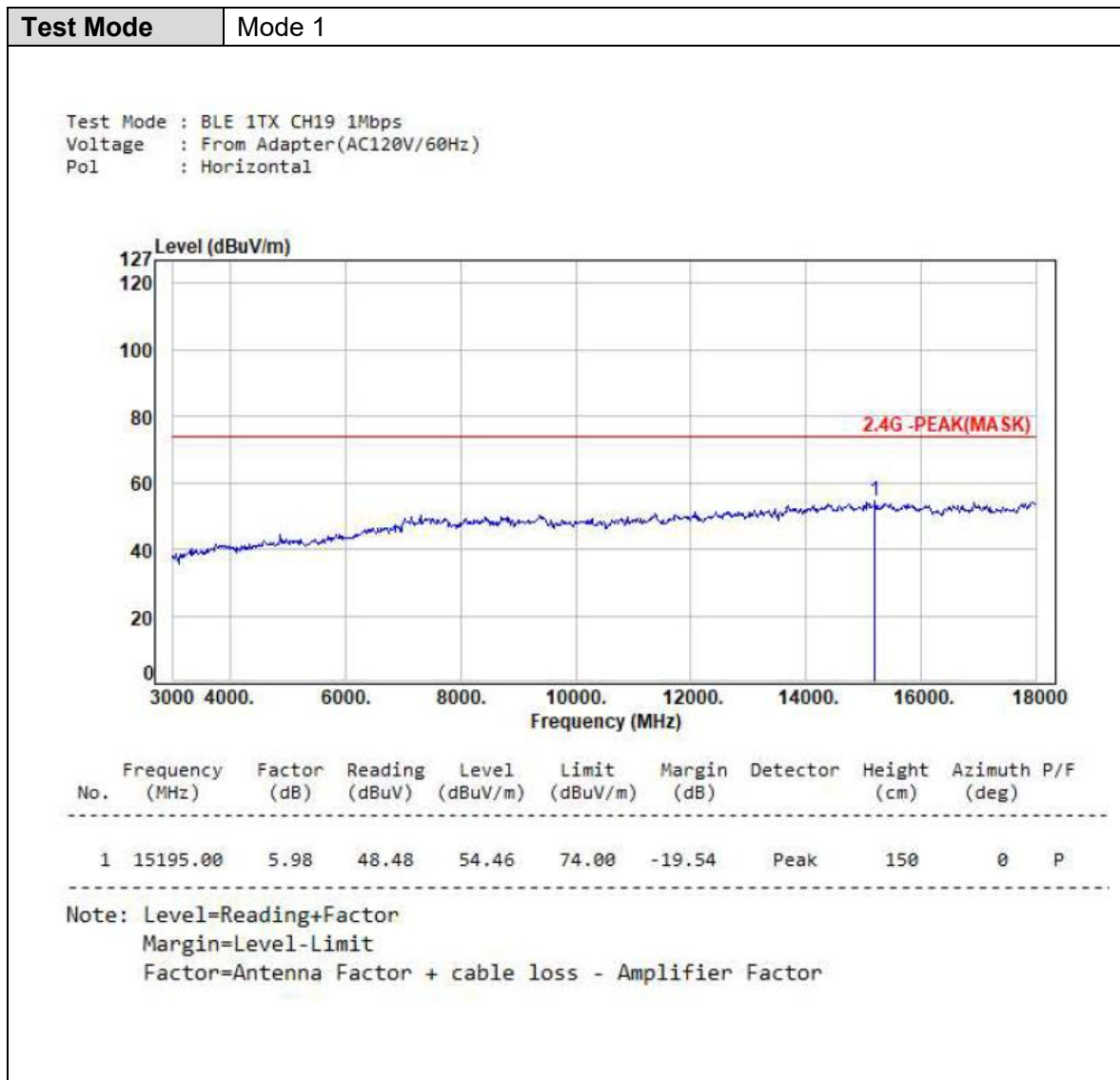
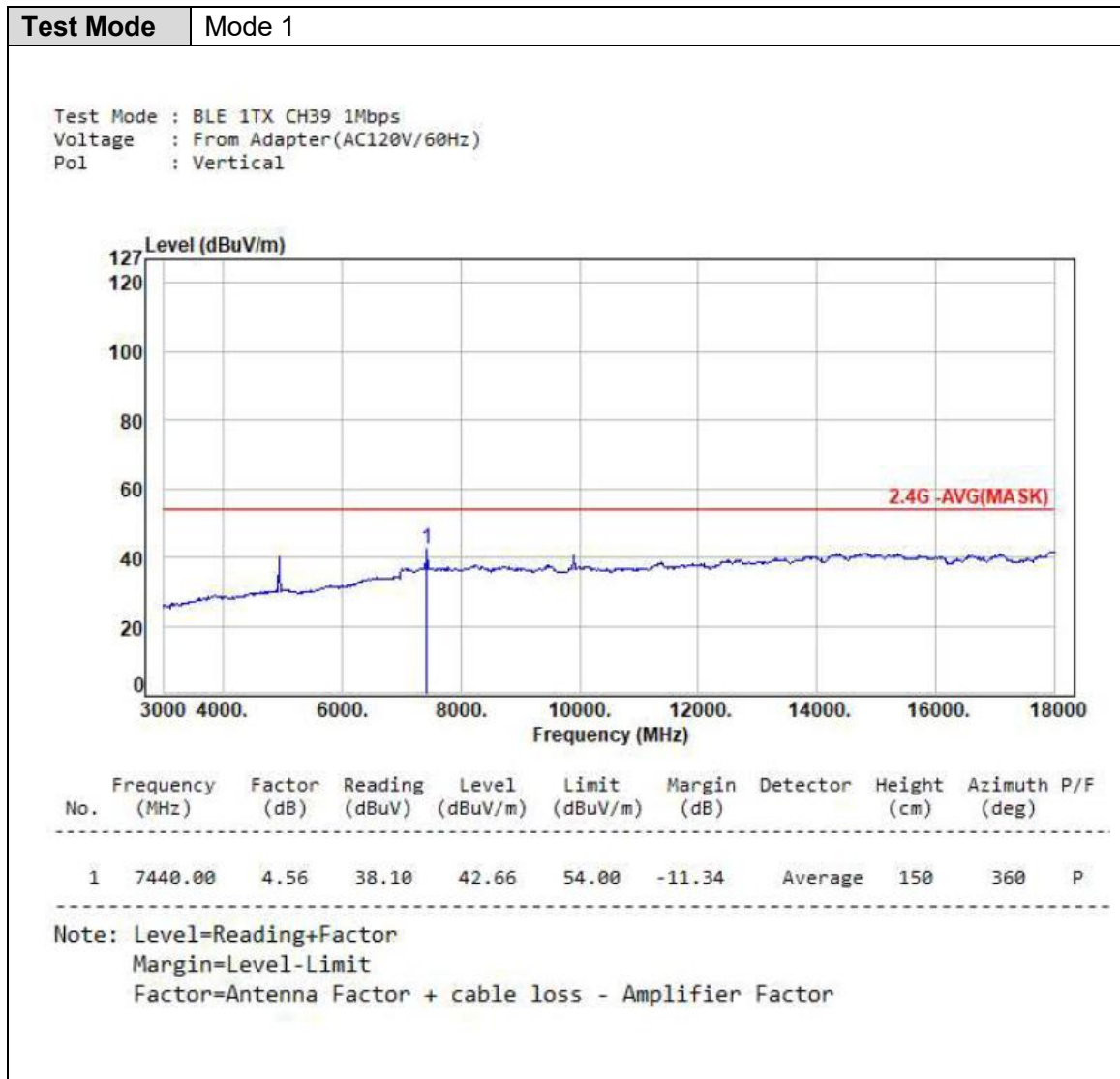
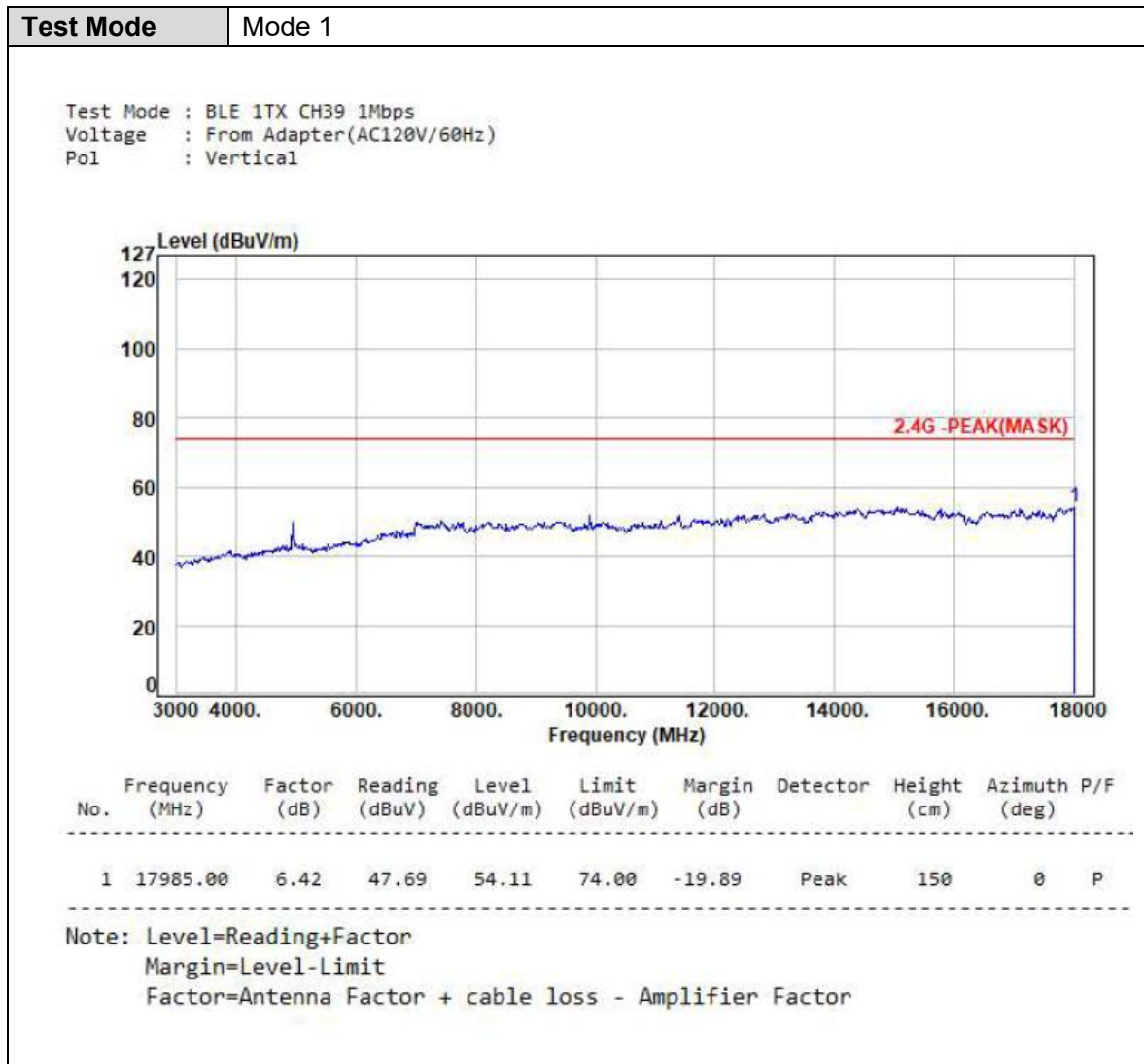


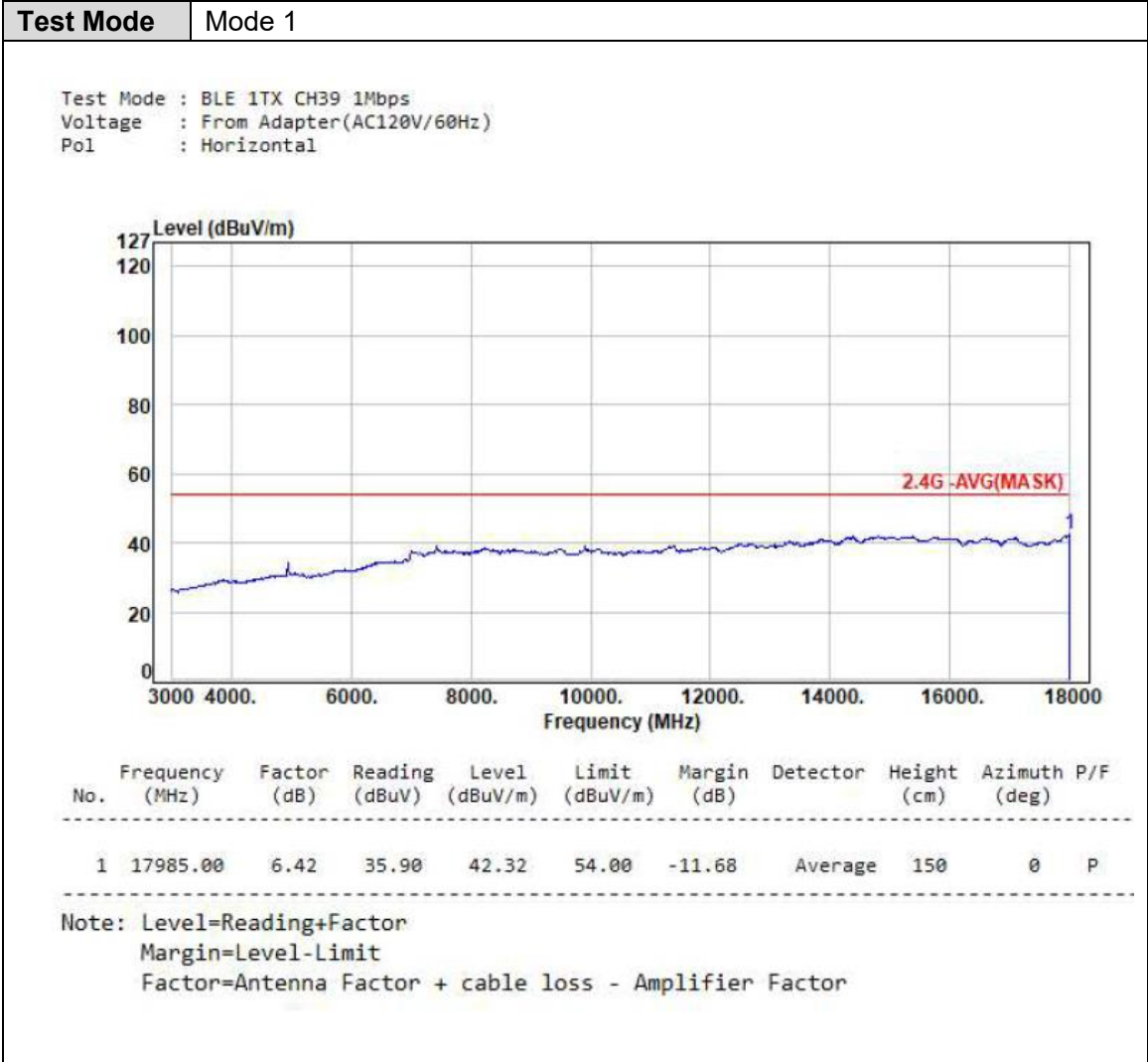


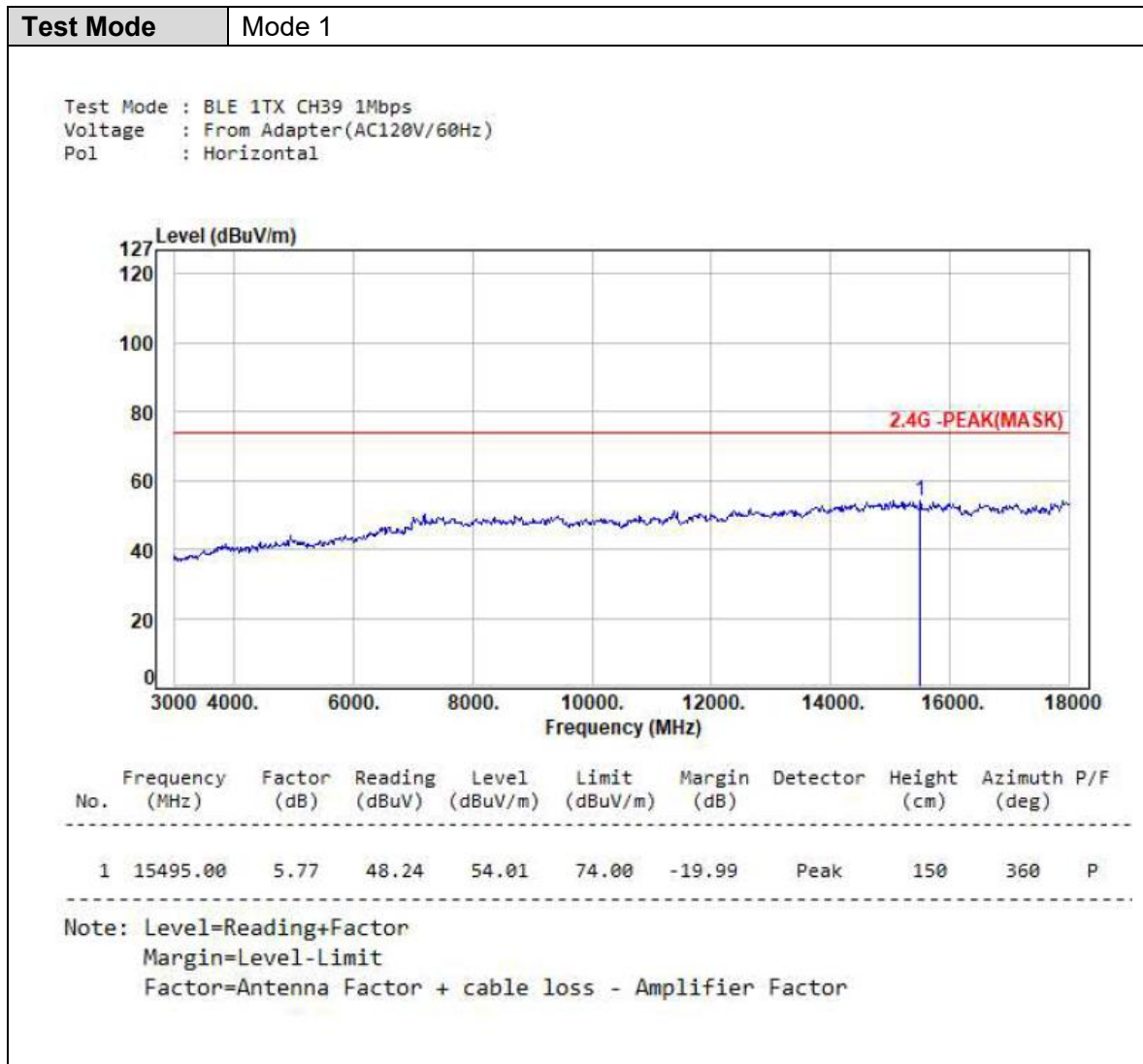


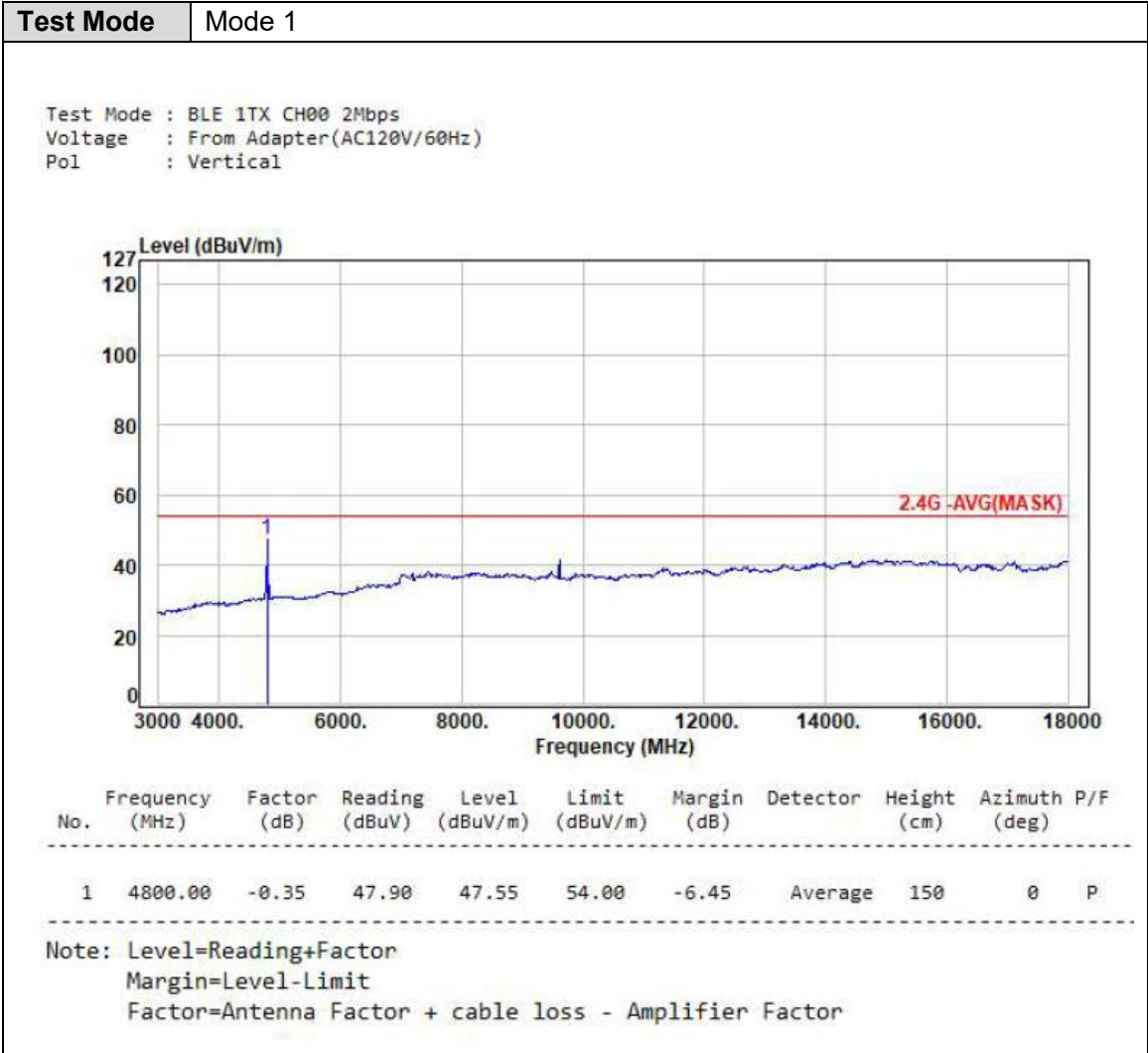


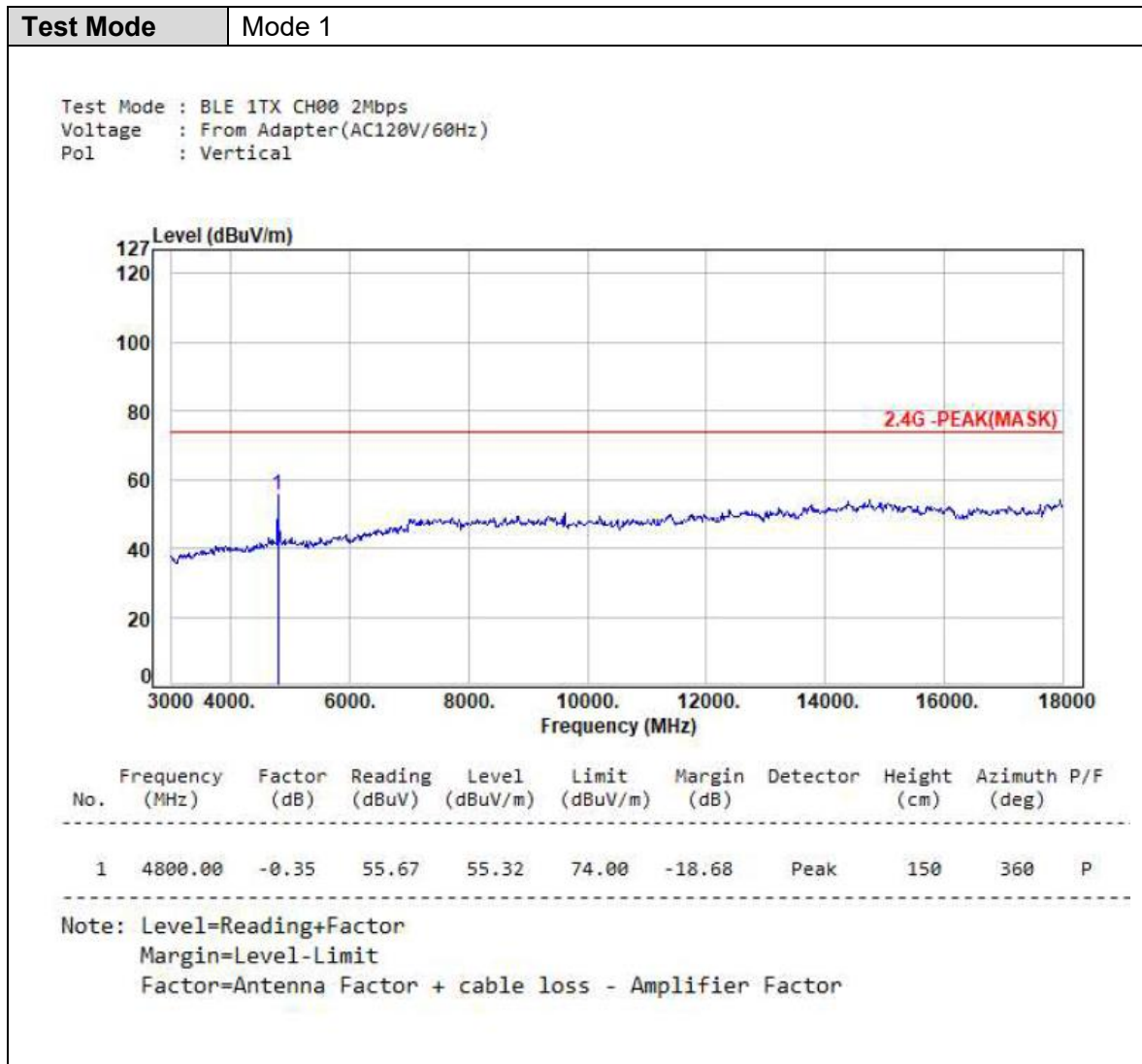


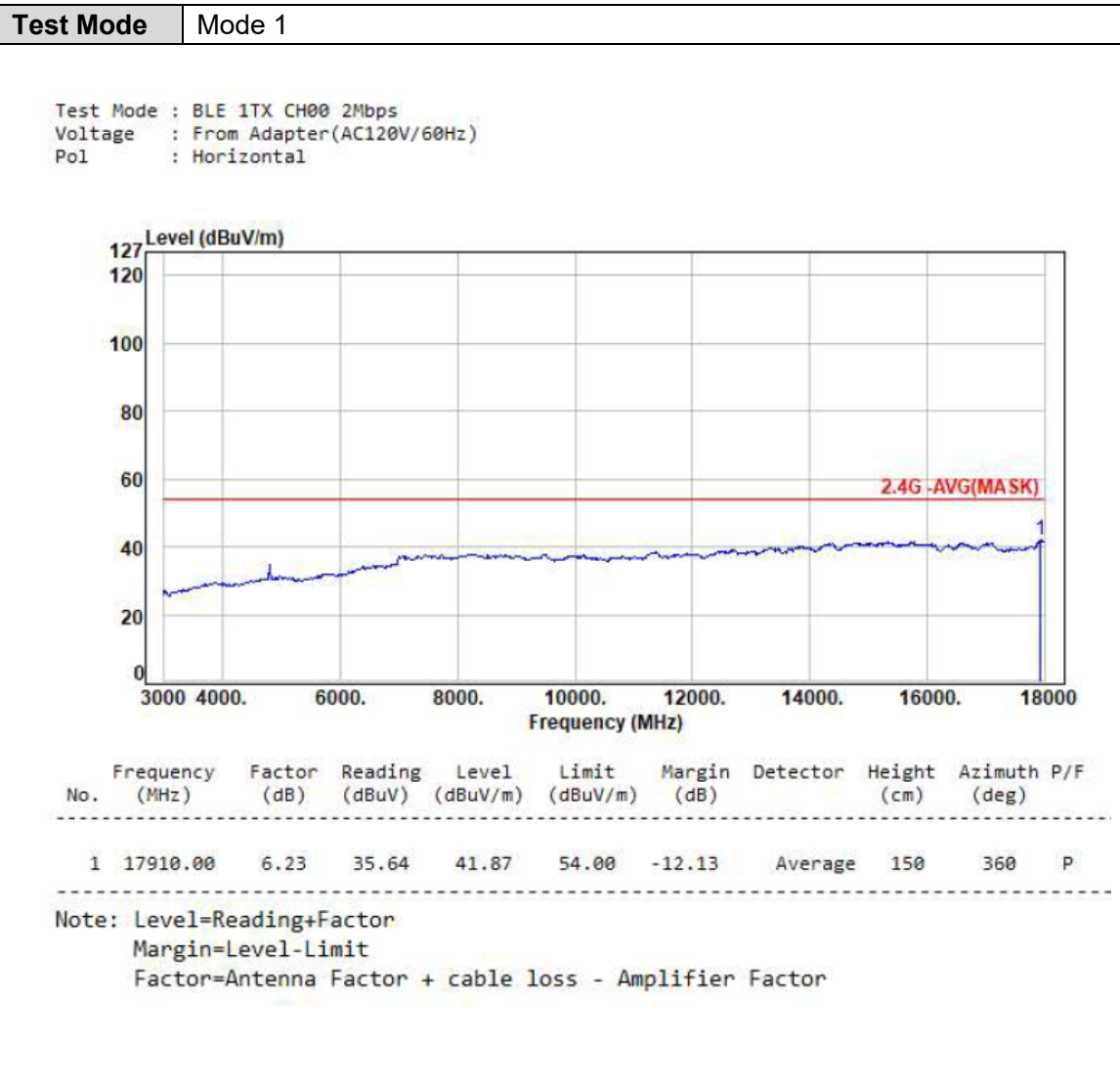


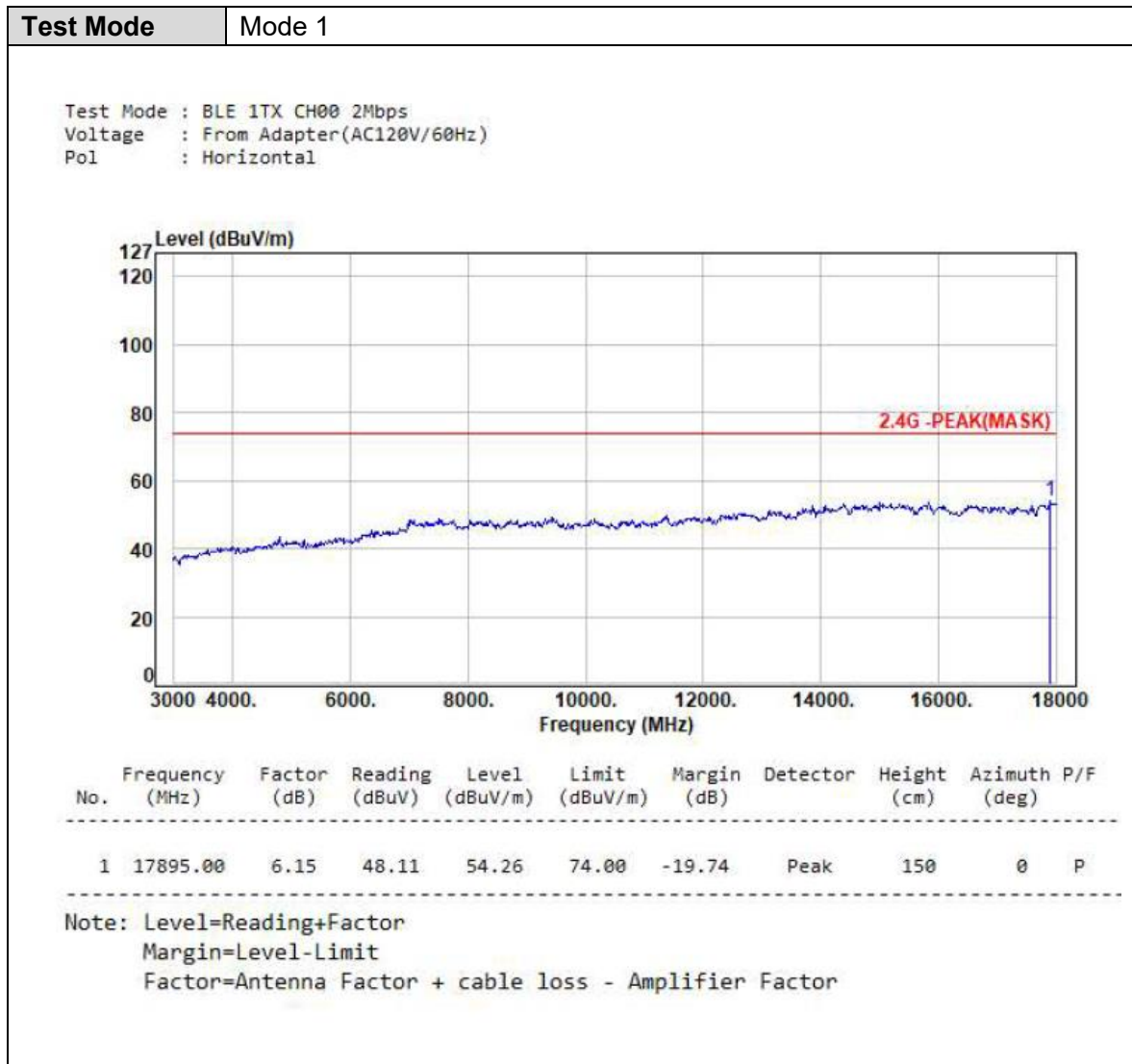


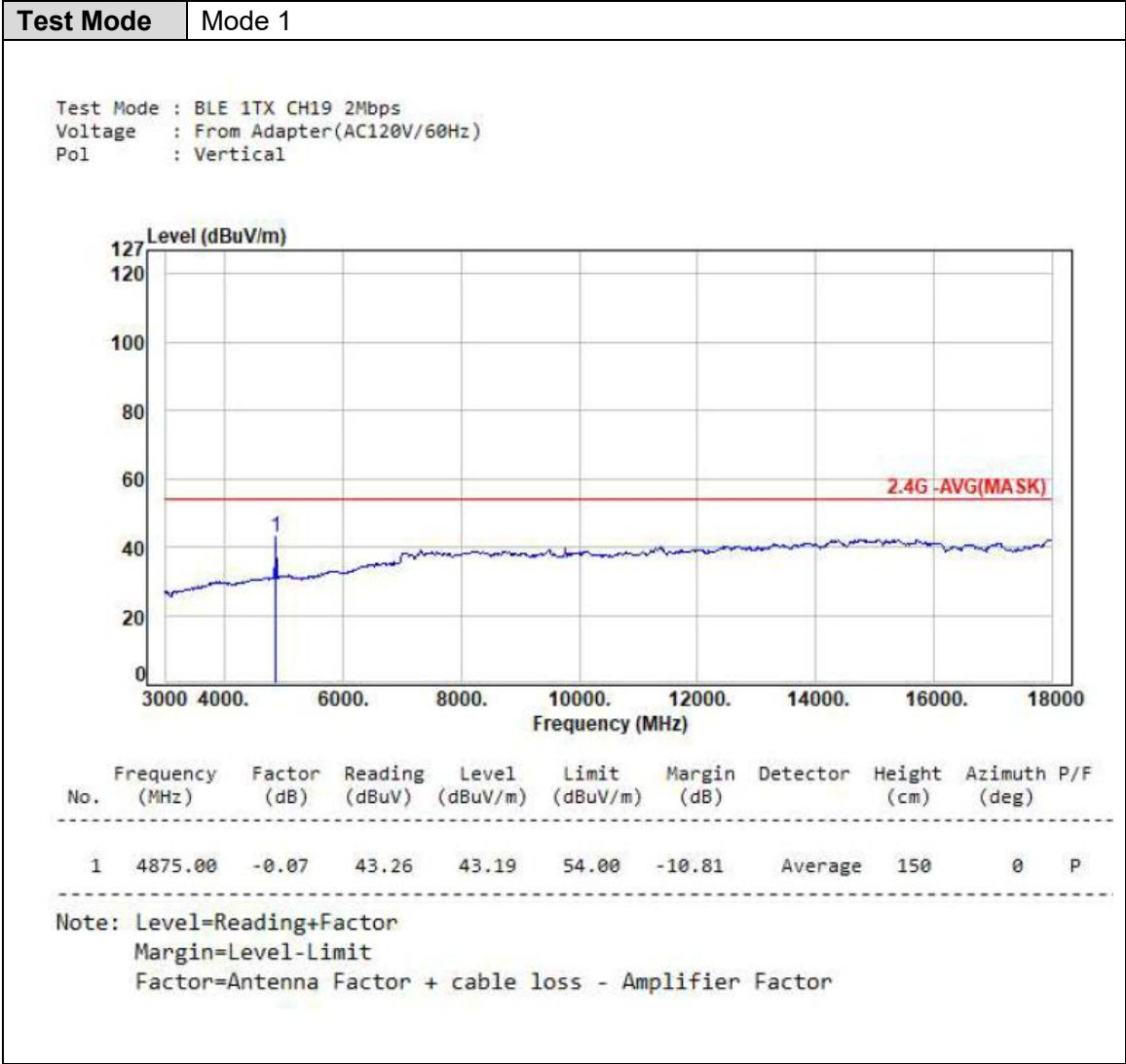


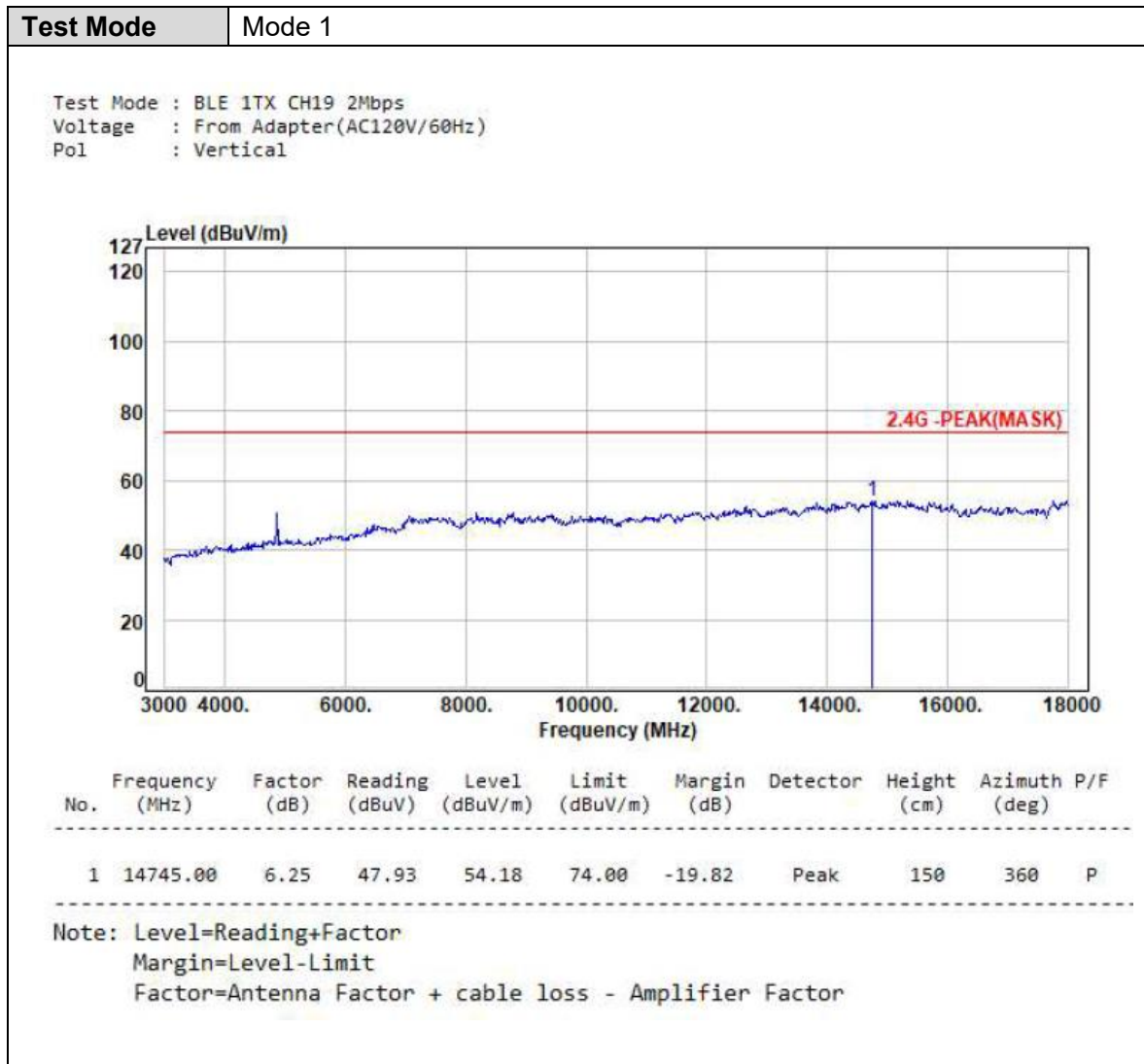


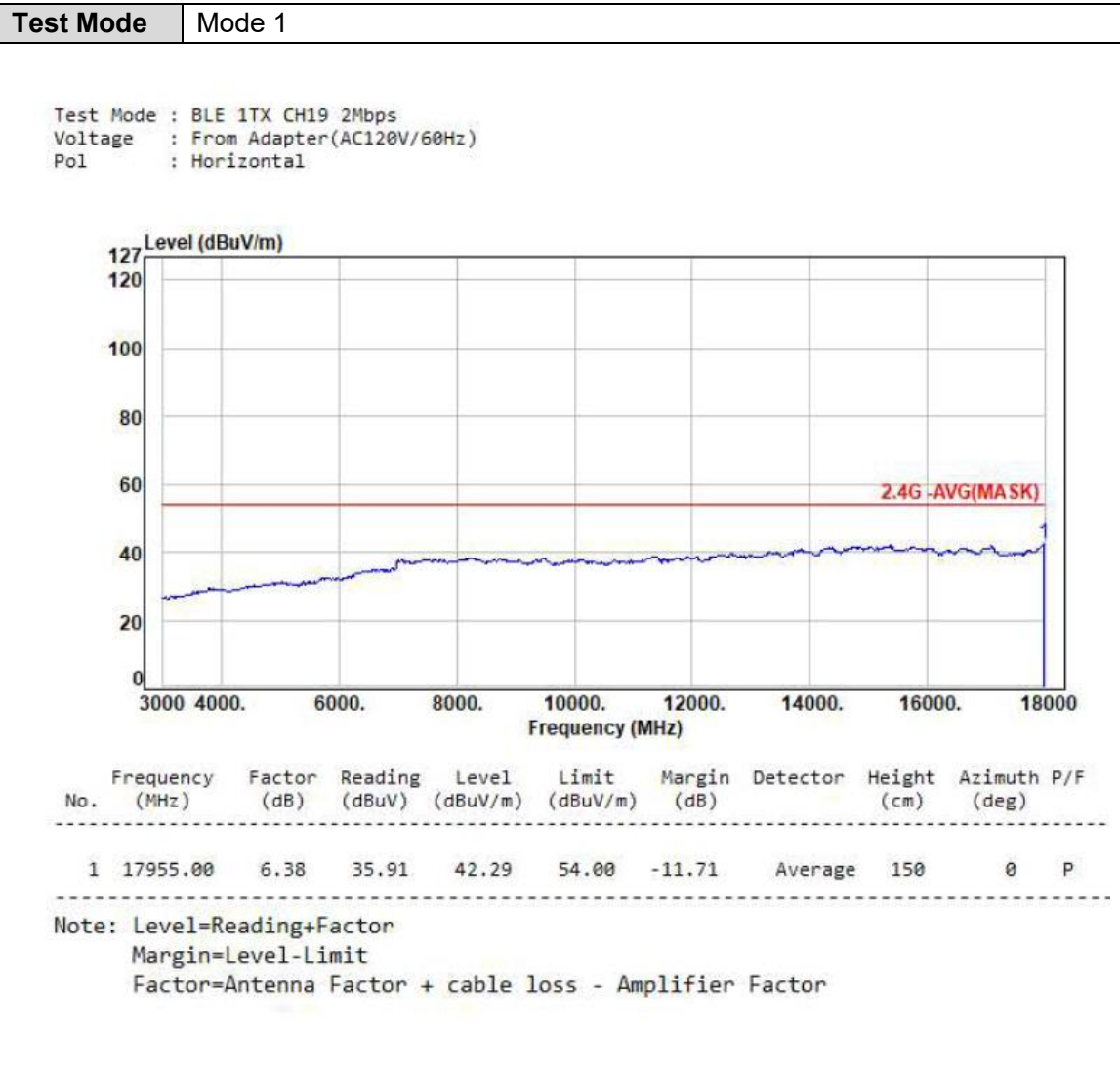


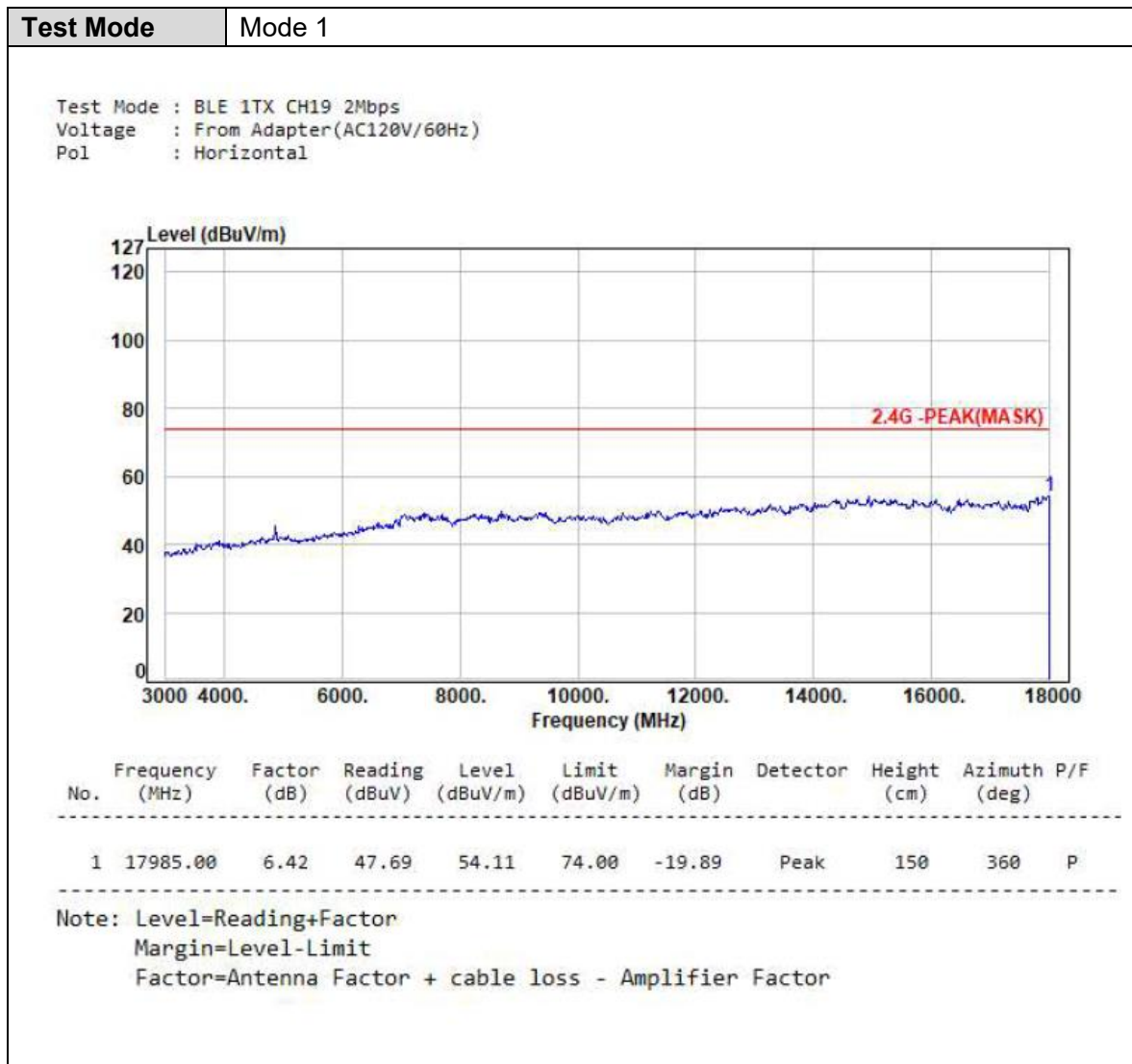






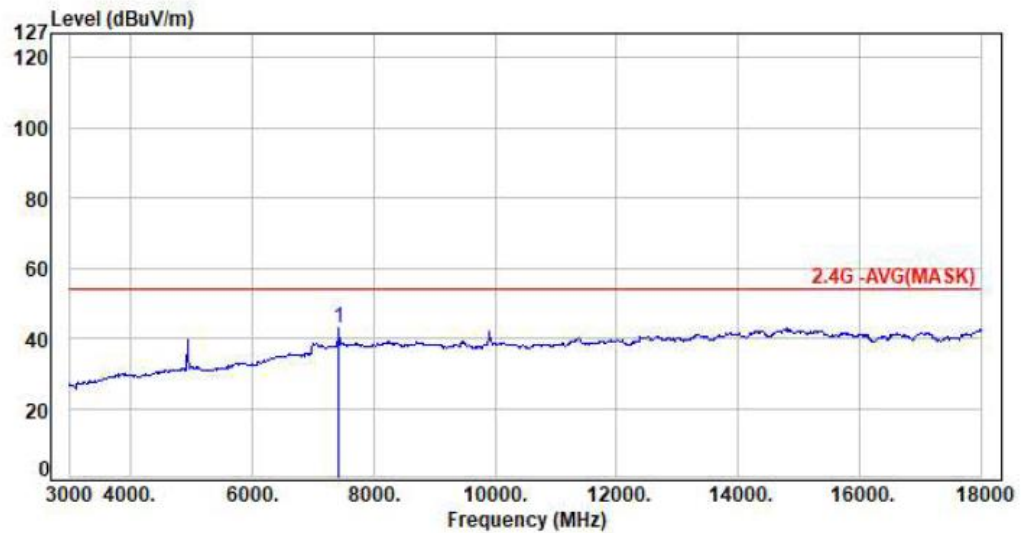






**Test Mode** Mode 1

Test Mode : BLE 1TX CH39 2Mbps
Voltage : From Adapter(AC120V/60Hz)
Pol : Vertical

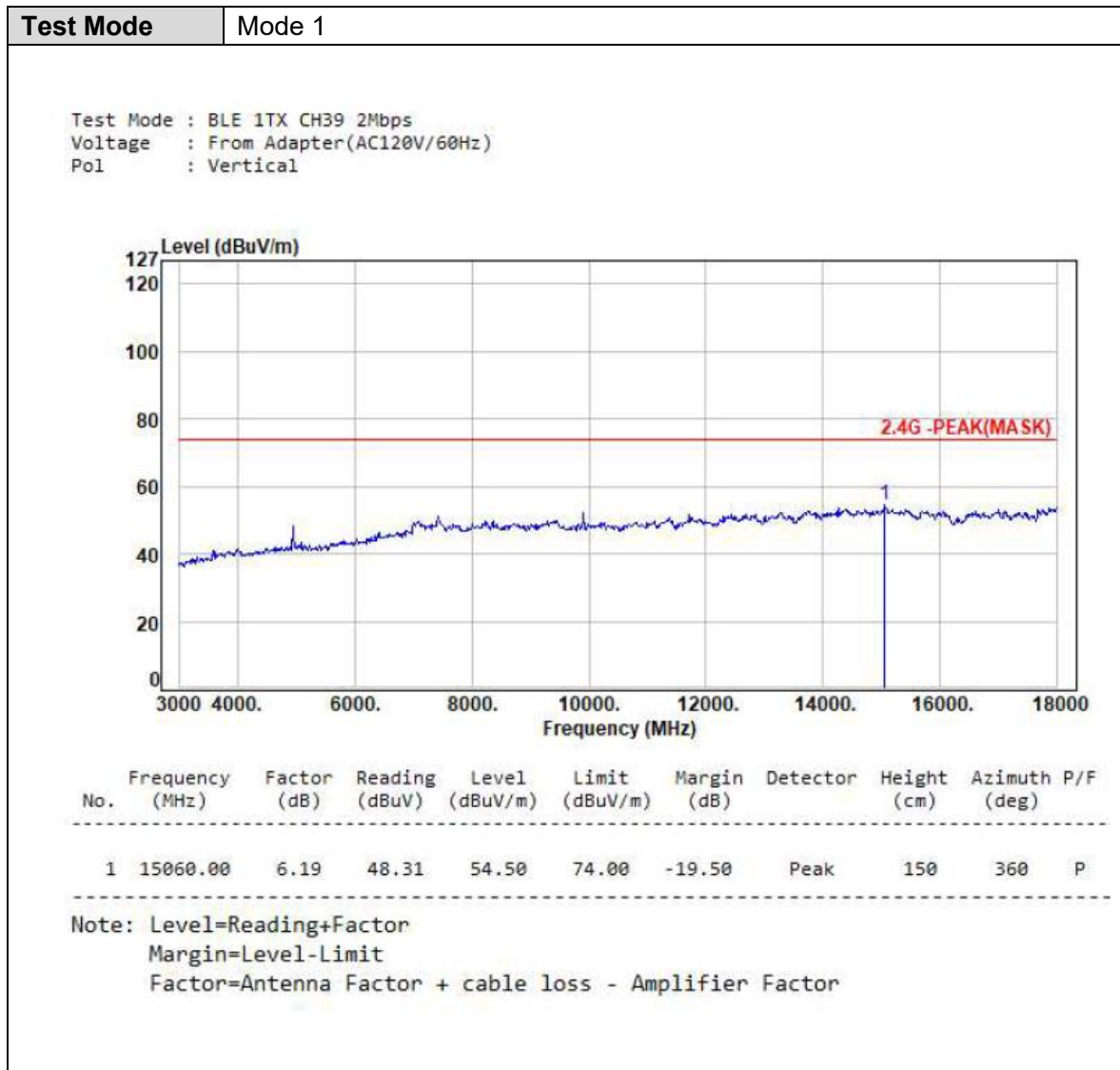


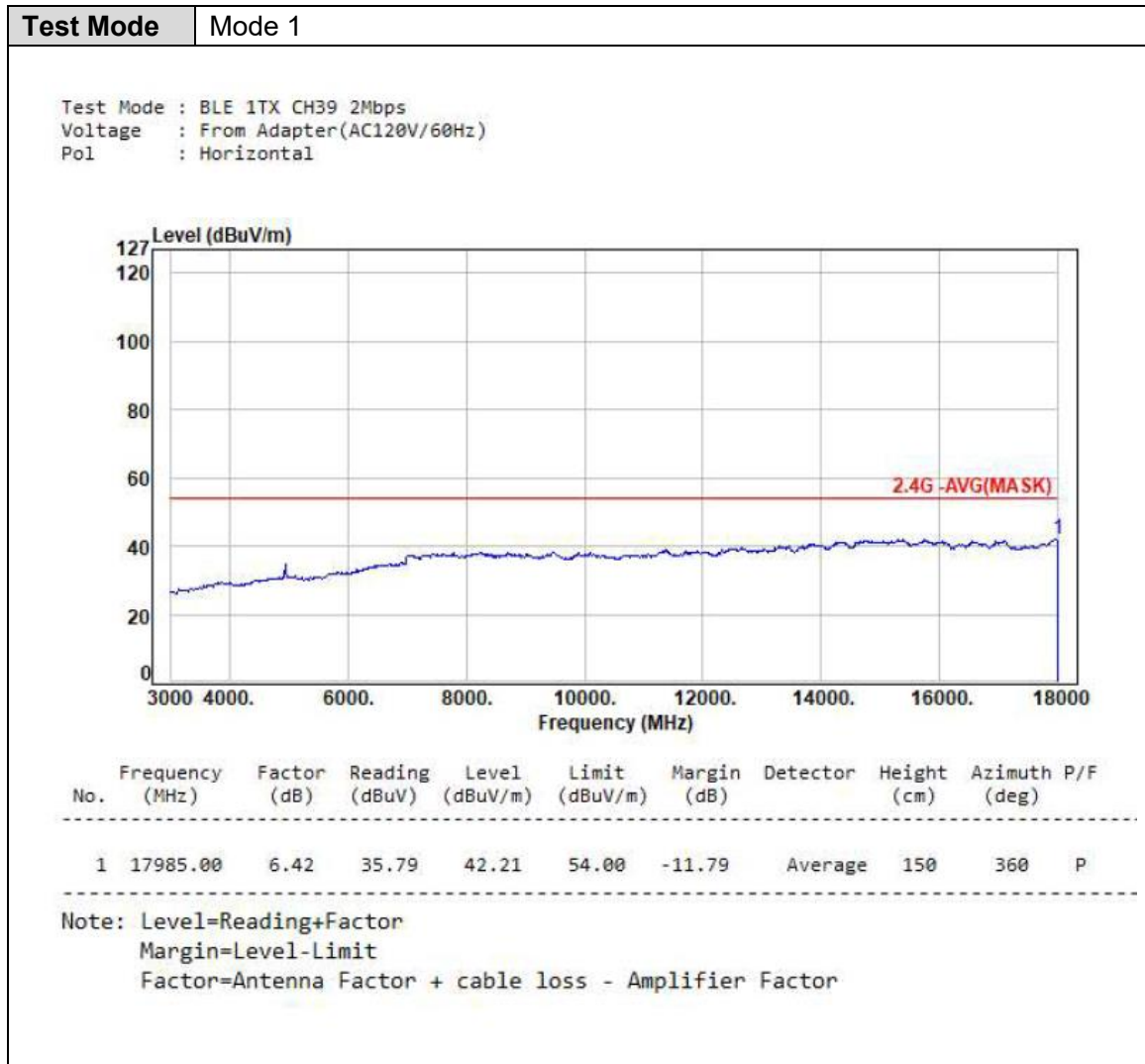
No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg)	P/F
1	7440.00	4.56	38.44	43.00	54.00	-11.00	Average	150	0	P

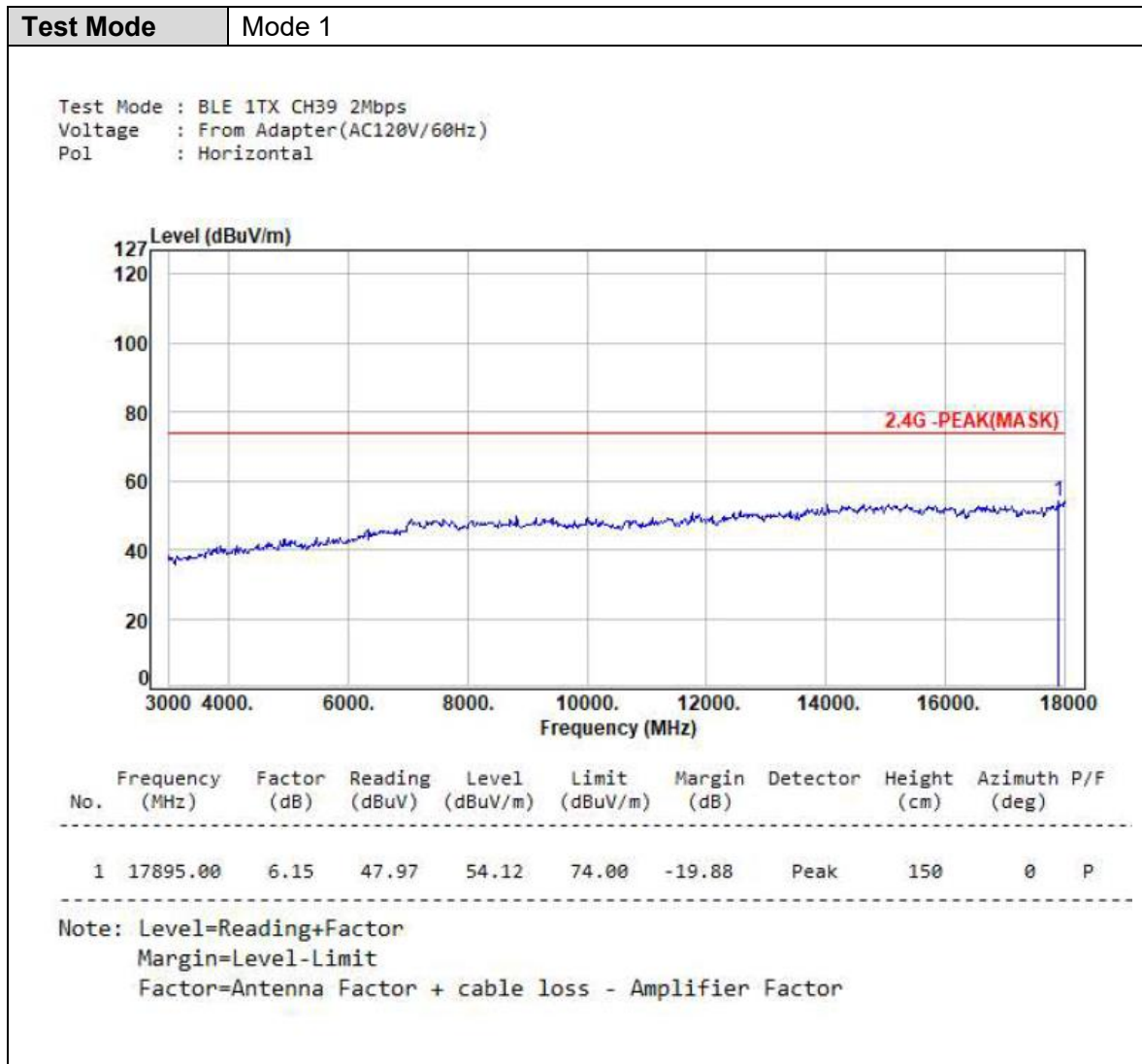
Note: Level=Reading+Factor

Margin=Level-Limit

Factor=Antenna Factor + cable loss - Amplifier Factor

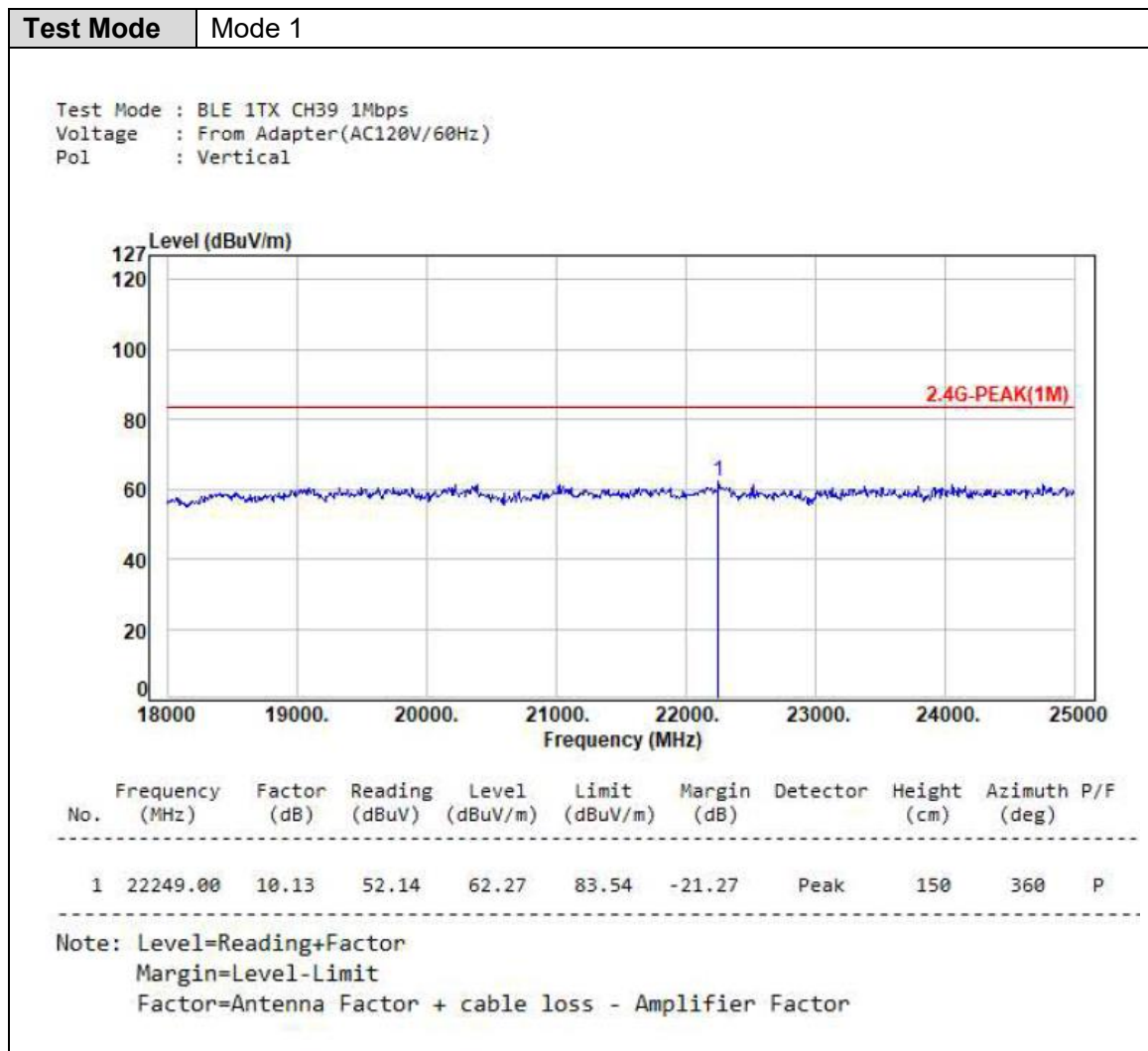


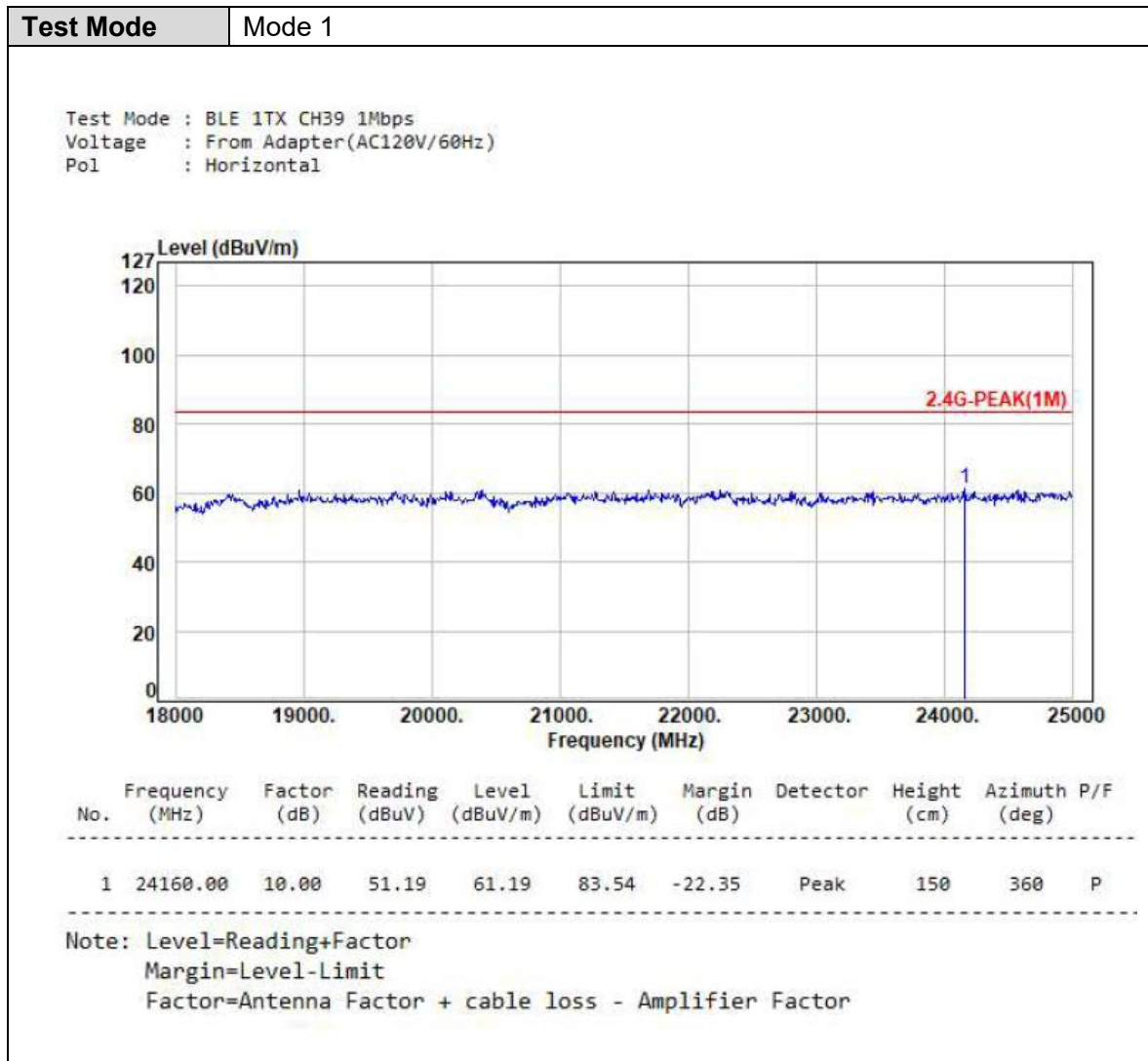






6.9 Test Result and Data (18GHz ~ 25GHz)







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

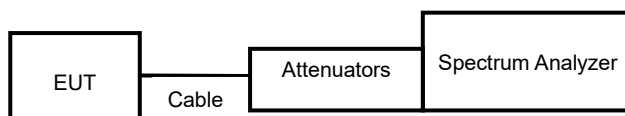
Below -30dB of the highest emission level of operating band (In 100 kHz Resolution Bandwidth)

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

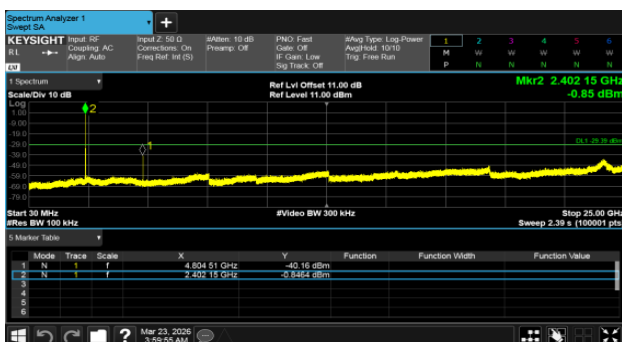
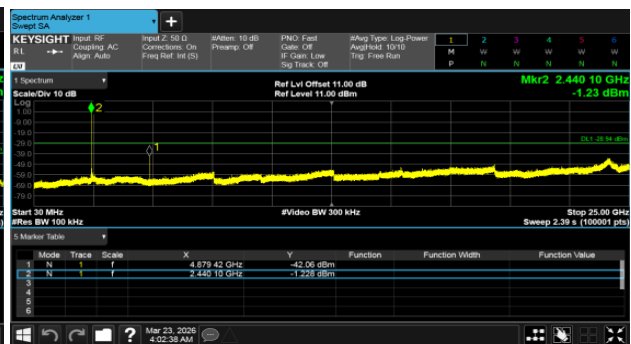
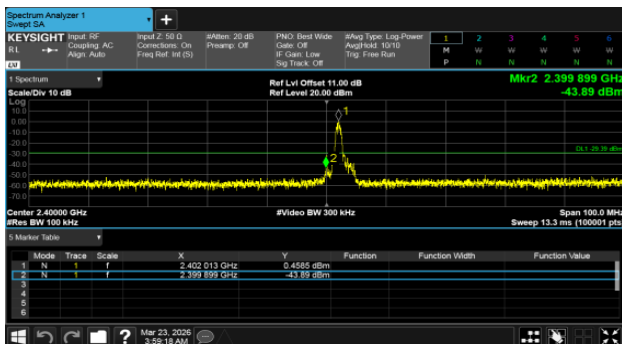
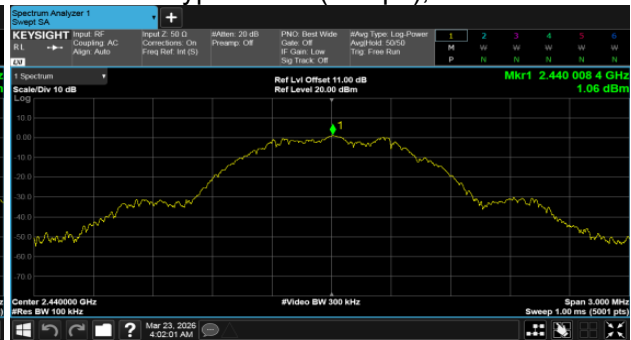
Note: Test plots refer to the following pages.



Modulation Type: GFSK(1Mbps), CH00

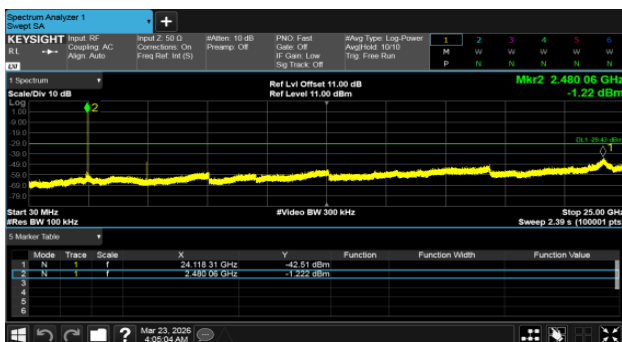
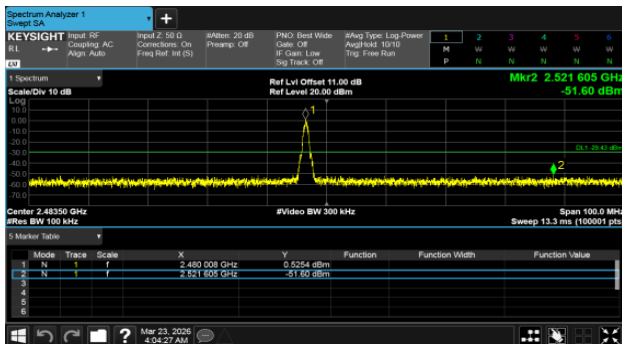
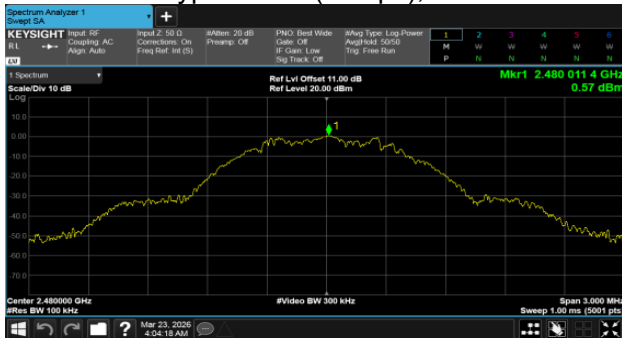


Modulation Type: GFSK(1Mbps), CH19





Modulation Type: GFSK(1Mbps), CH39

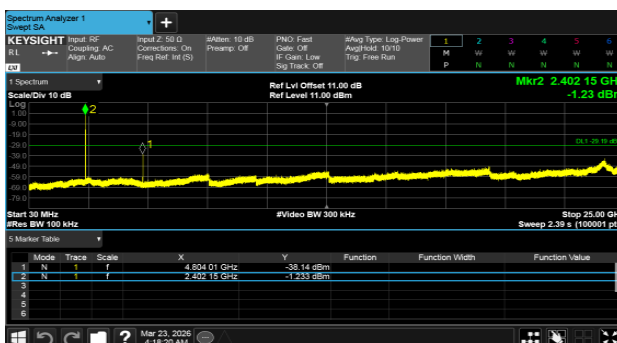
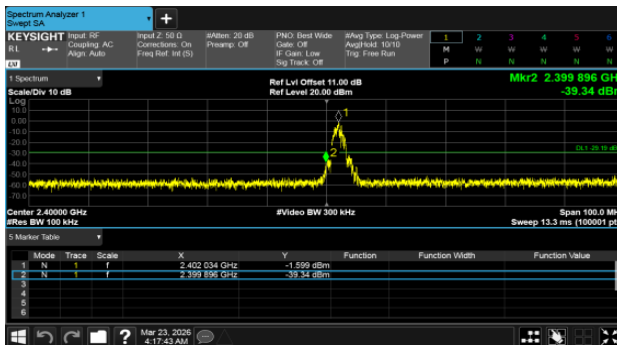




Modulation Type: GFSK(2Mbps), CH00

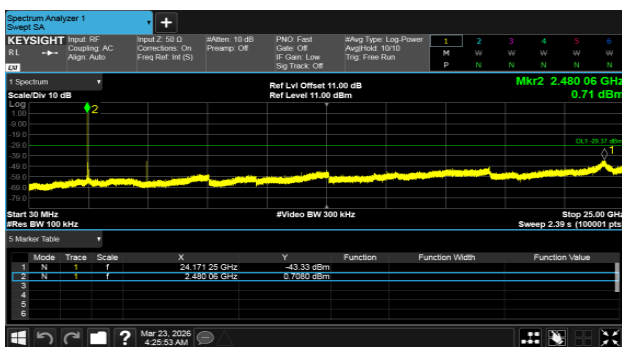
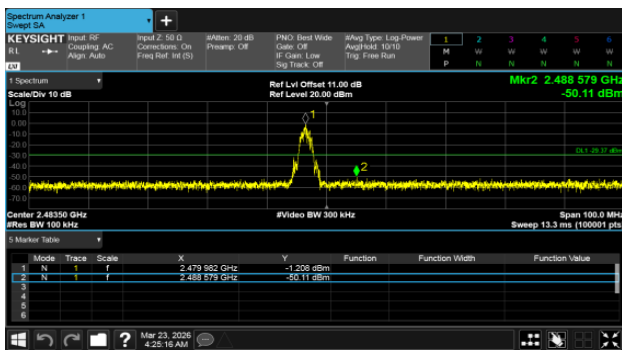
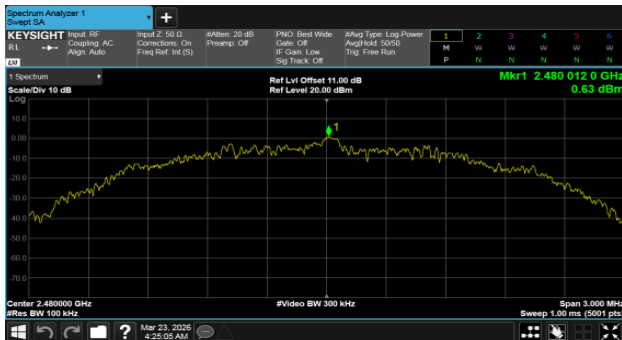


Modulation Type: GFSK(2Mbps), CH19





Modulation Type: GFSK(2Mbps), CH39





8. On Time, Duty Cycle and Measurement methods

8.1 Test Limit

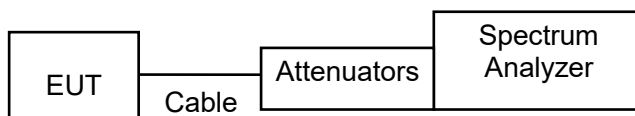
None; for reporting purposes only.

8.2 Test Procedure

According to the methods defined in ANSI C63.10-2020 Section 11.6

Zero-Span Spectrum Analyzer Method.

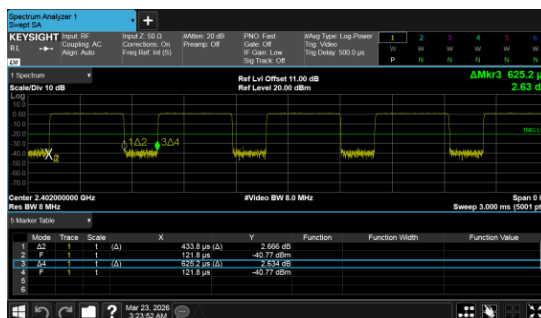
8.3 Test Setup Layout



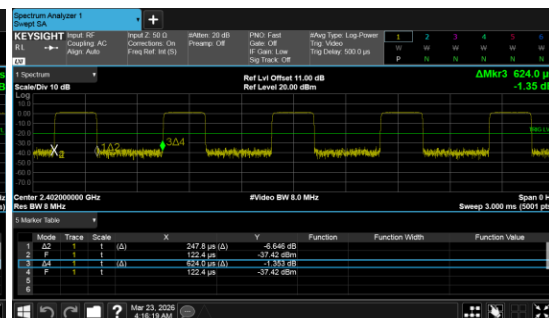
8.4 Test Result and Data

Modulation Type	On Time (ms)	Period Time (ms)	Duty Cycle (%)
GFSK(1Mbps)	0.434	0.625	69.39%
GFSK(2Mbps)	0.248	0.624	39.71%

Modulation Type: GFSK(1Mbps)



Modulation Type: GFSK(2Mbps)





9. 6dB Bandwidth Measurement Data

9.1 Test Limit

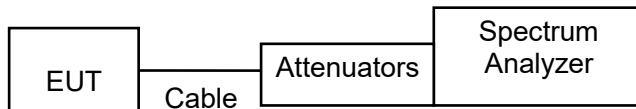
The minimum of 6dB Bandwidth Measurement is 0.5 MHz.

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

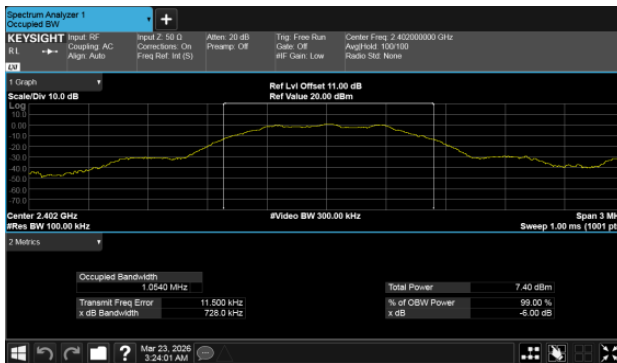


9.4 Test Result and Data

Modulation Type	Channel	Frequency (MHz)	6dB Bandwidth (kHz)	Limit (kHz)
GFSK (1Mbps)	0	2402	728.00	500
	19	2440	699.30	500
	39	2480	721.90	500
GFSK (2Mbps)	0	2402	1145.00	500
	19	2440	1121.00	500
	39	2480	1106.00	500



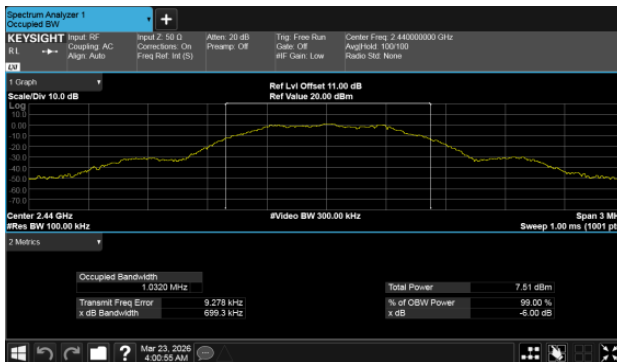
Modulation Type: GFSK(1Mbps), CH00



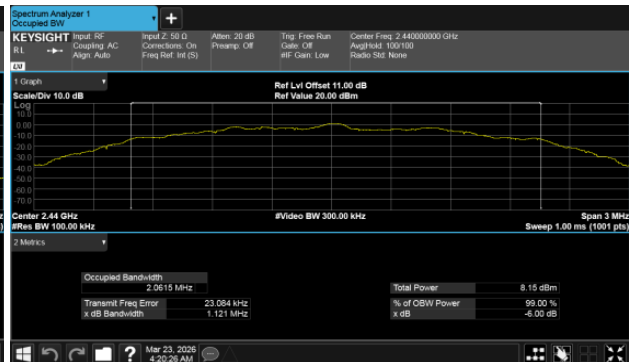
Modulation Type: GFSK(2Mbps), CH00



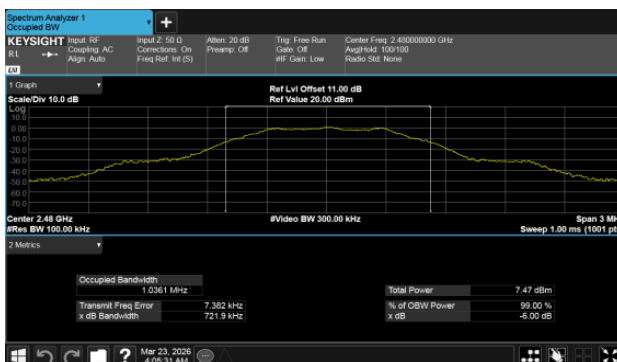
Modulation Type: GFSK(1Mbps), CH19



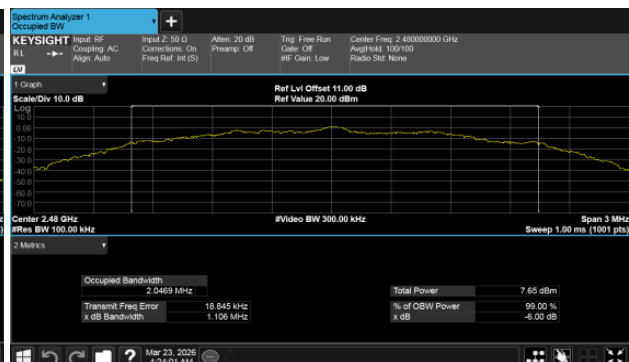
Modulation Type: GFSK(2Mbps), CH19



Modulation Type: GFSK(1Mbps), CH39



Modulation Type: GFSK(2Mbps), CH39





10. Maximum Average Output Power

10.1 Test Limit

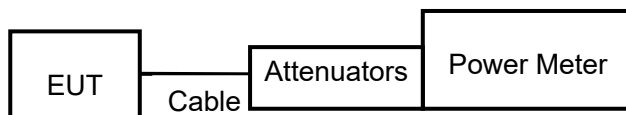
The Maximum Output Power Measurement is 30dBm.

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



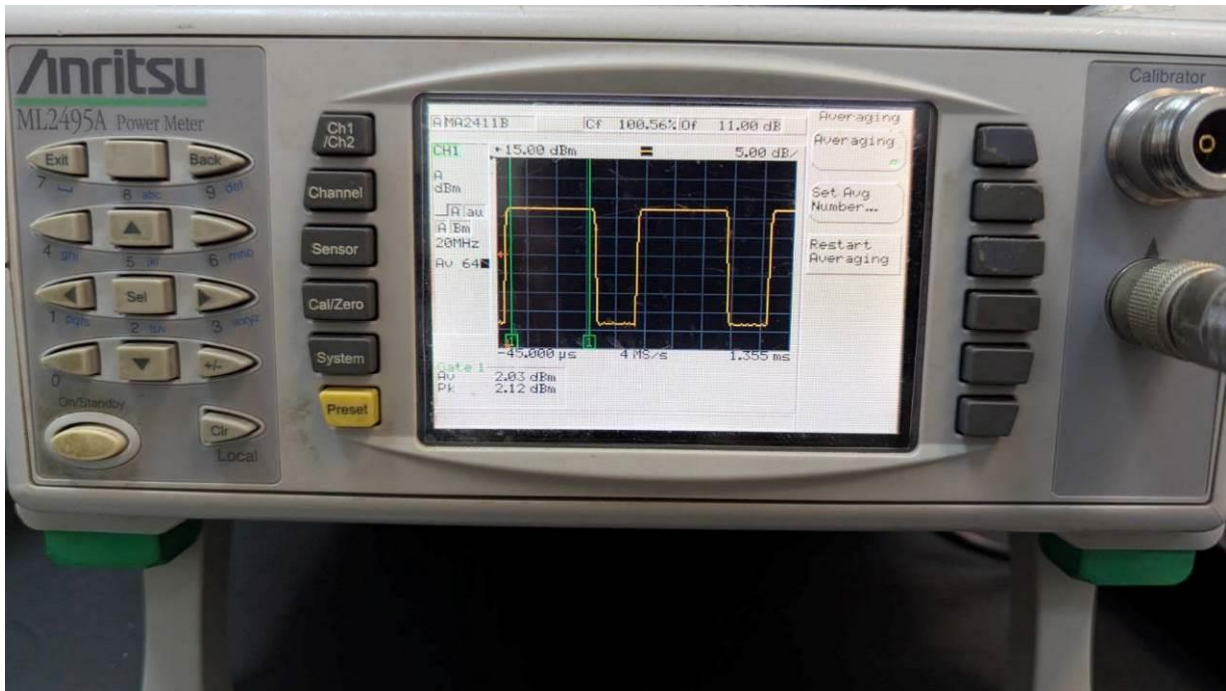
10.4 Test Result and Data

Conducted Setting	Modulation Type	Channel	Frequency (MHz)	Power Output (dBm)	Power Output (mW)
				Average	Average
4	GFSK (1Mbps)	0	2402	2.03	1.596
4		19	2440	2.52	1.786
4		39	2480	1.91	1.552
4	GFSK (2Mbps)	0	2402	2.03	1.596
4		19	2440	2.53	1.791
4		39	2480	1.92	1.556

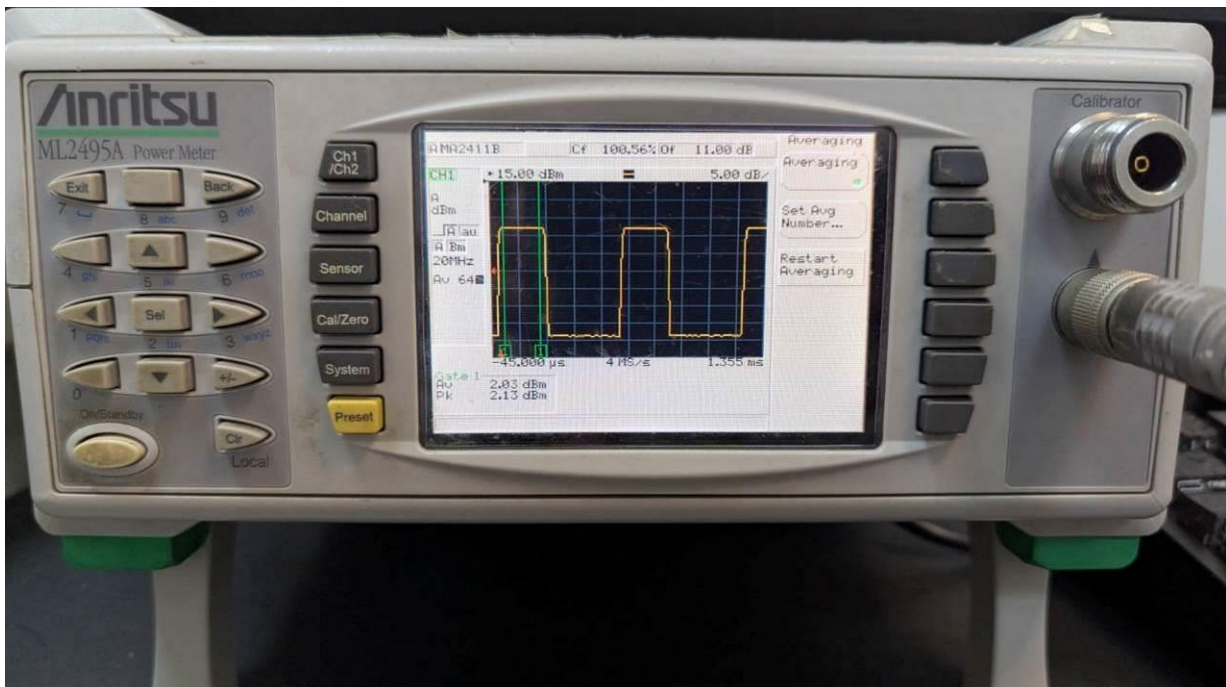


Gate setup plot:

Modulation Type: BT-LE(1Mbps)



Modulation Type: BT-LE(2Mbps)





11. Power Spectral Density

11.1 Test Limit

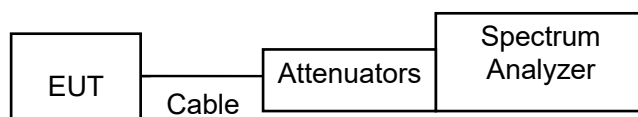
The Maximum of Power Spectral Density Measurement is 8dBm.

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

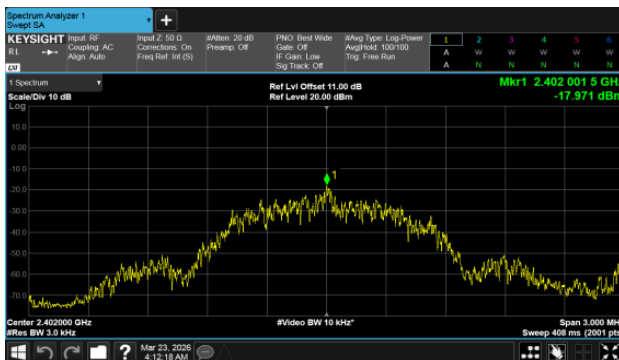


11.4 Test Result and Data

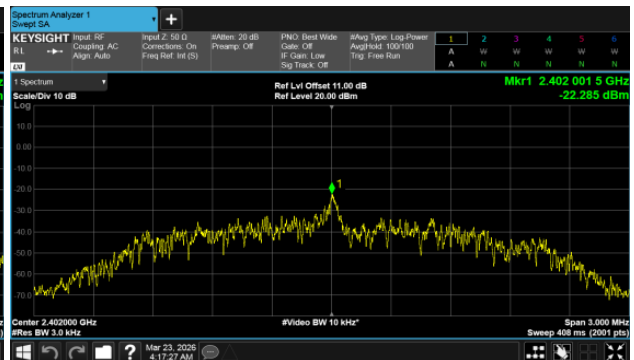
Modulation Type	Channel	Frequency (MHz)	Maximum Power Density of 3kHz Bandwidth(dBm)	Duty Cycle CF(dB)	Total PSD (dBm)	Limit
GFSK (1Mbps)	0	2402	-17.971	1.59	-16.38	8.00
	19	2440	-17.659	1.59	-16.07	8.00
	39	2480	-17.983	1.59	-16.40	8.00
GFSK (2Mbps)	0	2402	-22.285	4.01	-18.27	8.00
	19	2440	-22.091	4.01	-18.08	8.00
	39	2480	-22.564	4.01	-18.55	8.00



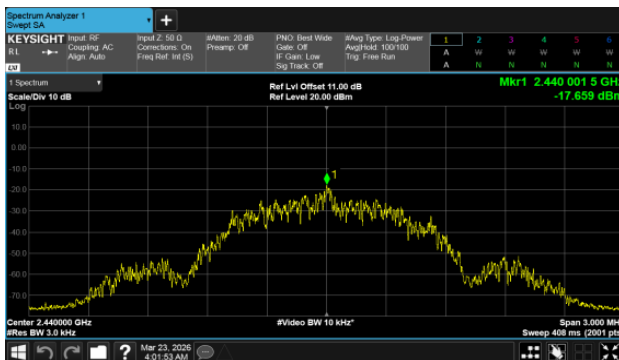
Modulation Type: GFSK(1Mbps), CH00



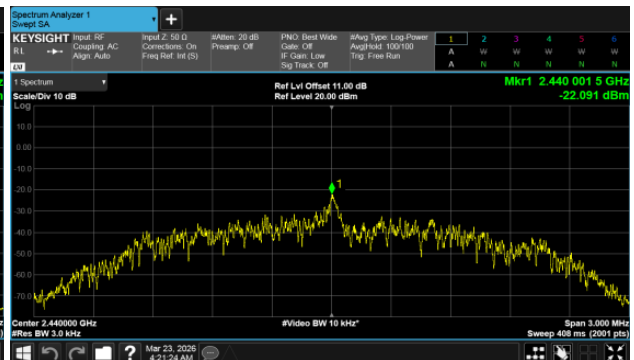
Modulation Type: GFSK(2Mbps), CH00



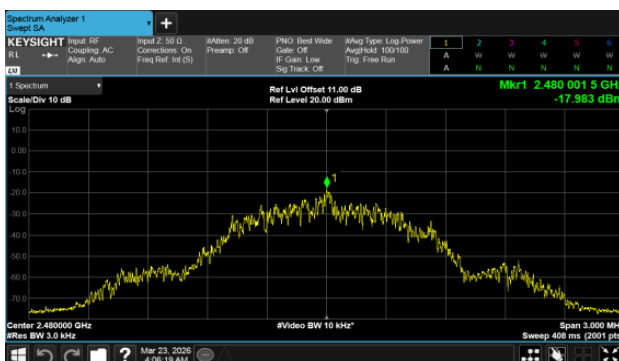
Modulation Type: GFSK(1Mbps), CH19



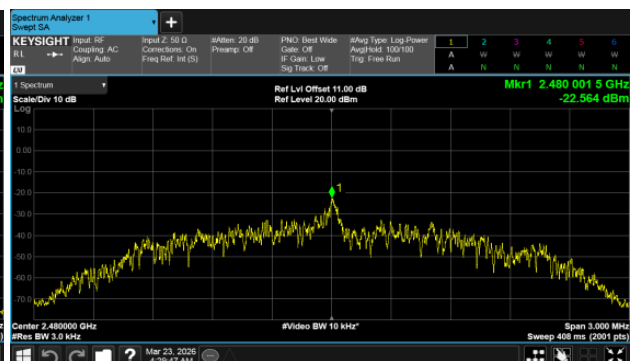
Modulation Type: GFSK(2Mbps), CH19



Modulation Type: GFSK(1Mbps), CH39



Modulation Type: GFSK(2Mbps), CH39



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