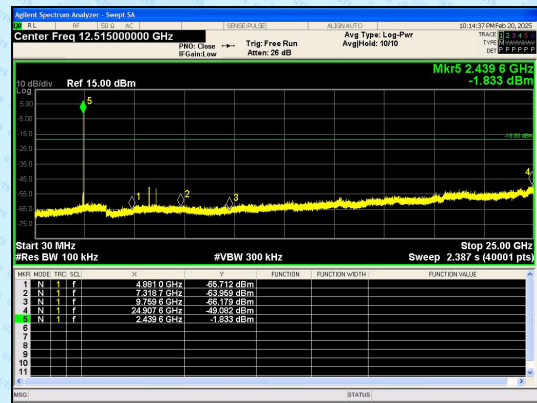
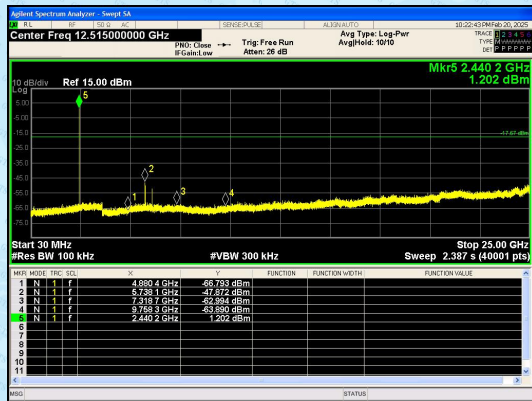




In-Band Reference Level
BLE 1M_Channel 19



30.0 MHz - 25000.0 MHz
BLE 2M_Channel 19



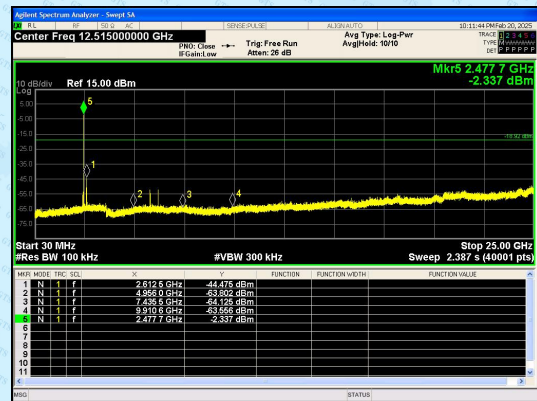
30.0 MHz - 25000.0 MHz
BLE 1M_Channel 19



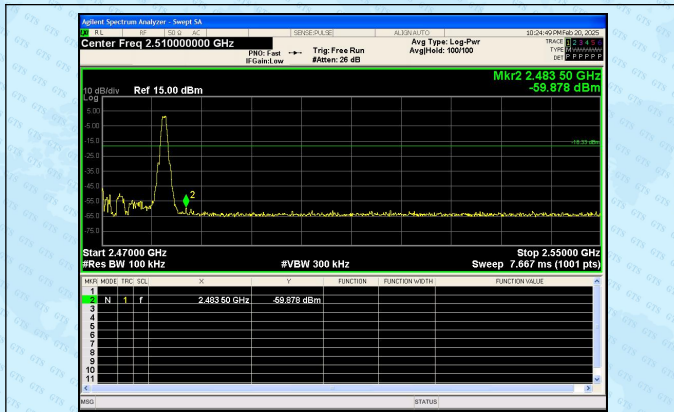
In-Band Reference Level
BLE 2M_Channel 38



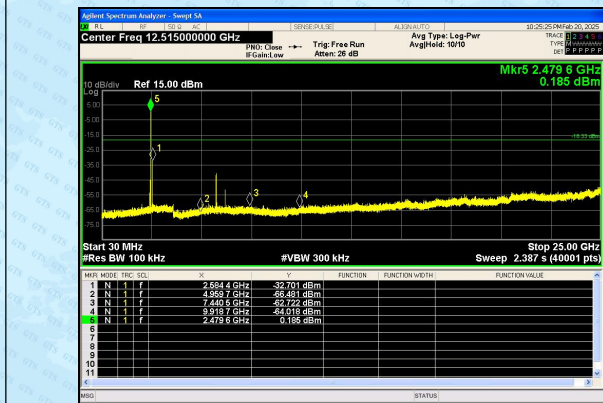
In-Band Reference Level
BLE 1M_Channel 39



30.0 MHz - 25000.0 MHz
BLE 2M_Channel 38



Out Of Band Emission BLE 1M_Channel 39



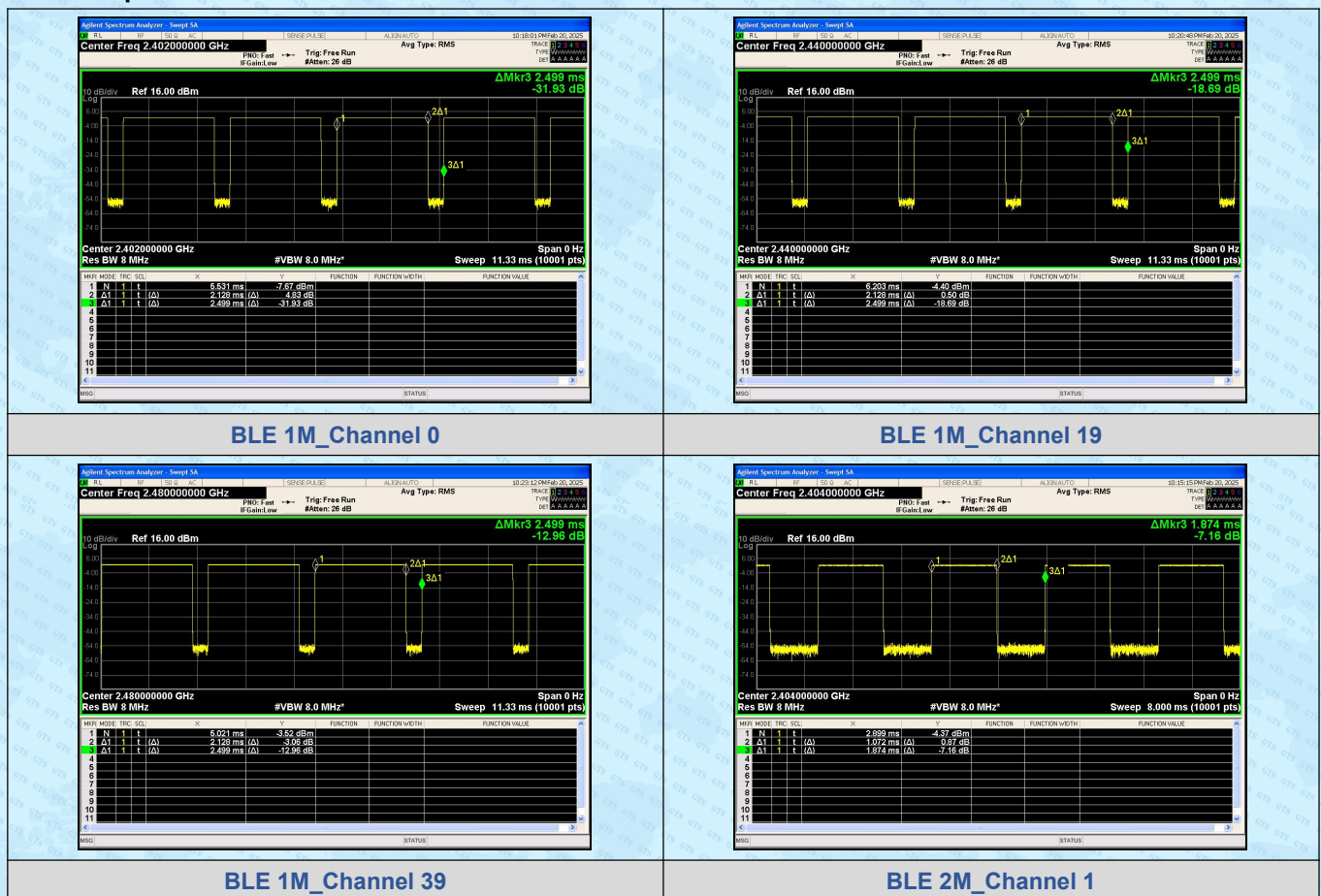
30.0 MHz - 25000.0 MHz BLE 1M_Channel 39

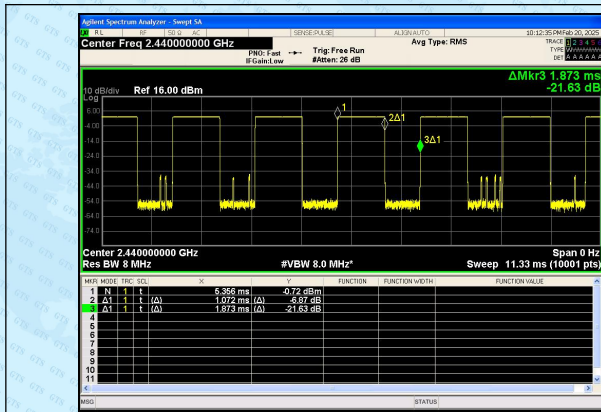
Duty Cycle

Test Result

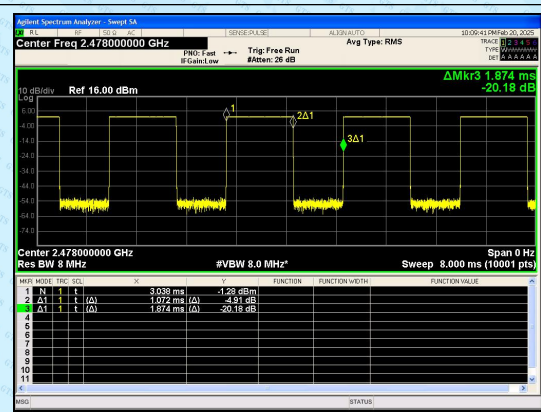
Mode	Channel	On Time (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle (linear)	Duty Cycle Factor (dB)
BLE 1M	0	2.128	2.499	85.17	0.8517	0.6971
	19	2.128	2.499	85.17	0.8517	0.6971
	39	2.128	2.499	85.17	0.8517	0.6971
BLE 2M	1	1.072	1.874	57.19	0.5719	2.4268
	19	1.072	1.873	57.23	0.5723	2.4238
	38	1.072	1.874	57.22	0.5722	2.4245

Test Graphs





BLE 2M_Channel 19



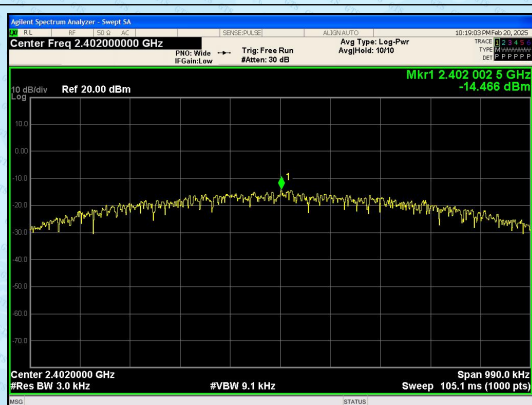
BLE 2M_Channel 38

Power Spectral Density

Test Result

Mode	Channel	PSD (dBm/3kHz)	Limit (dBm/3kHz)	Result
BLE 1M	0	-14.466	≤8	PASS
	19	-13.736	≤8	PASS
	39	-14.442	≤8	PASS
BLE 2M	1	-17.839	≤8	PASS
	19	-16.729	≤8	PASS
	38	-16.598	≤8	PASS

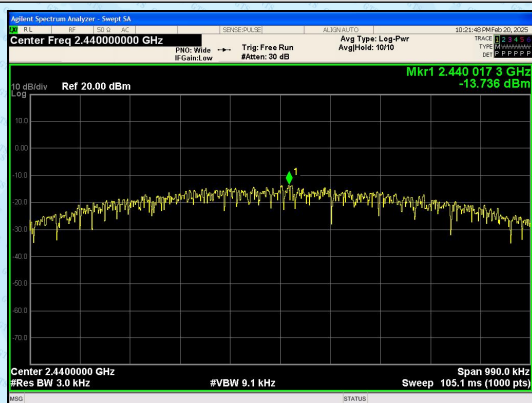
Test Graphs



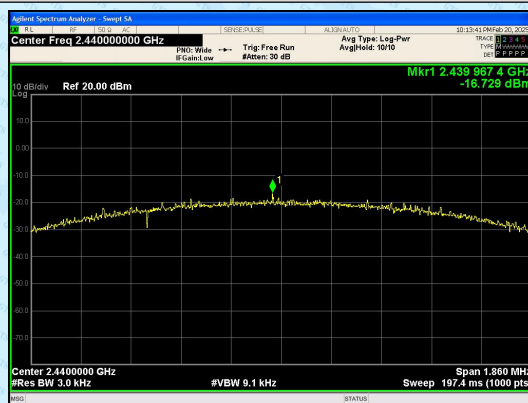
BLE 1M_Channel 0



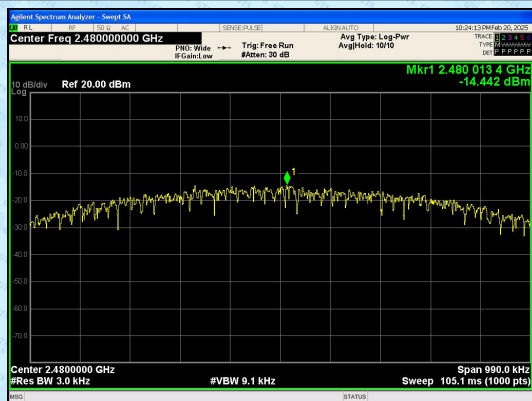
BLE 2M_Channel 1



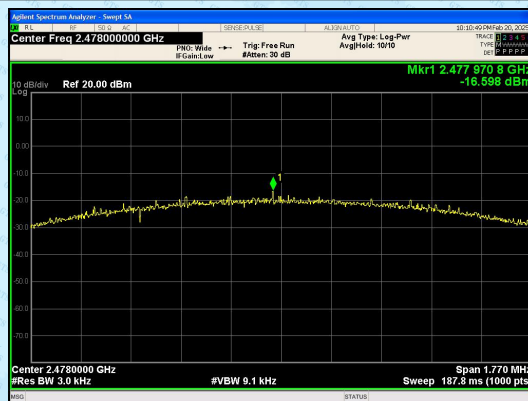
BLE 1M_Channel 19



BLE 2M_Channel 19



BLE 1M_Channel 39

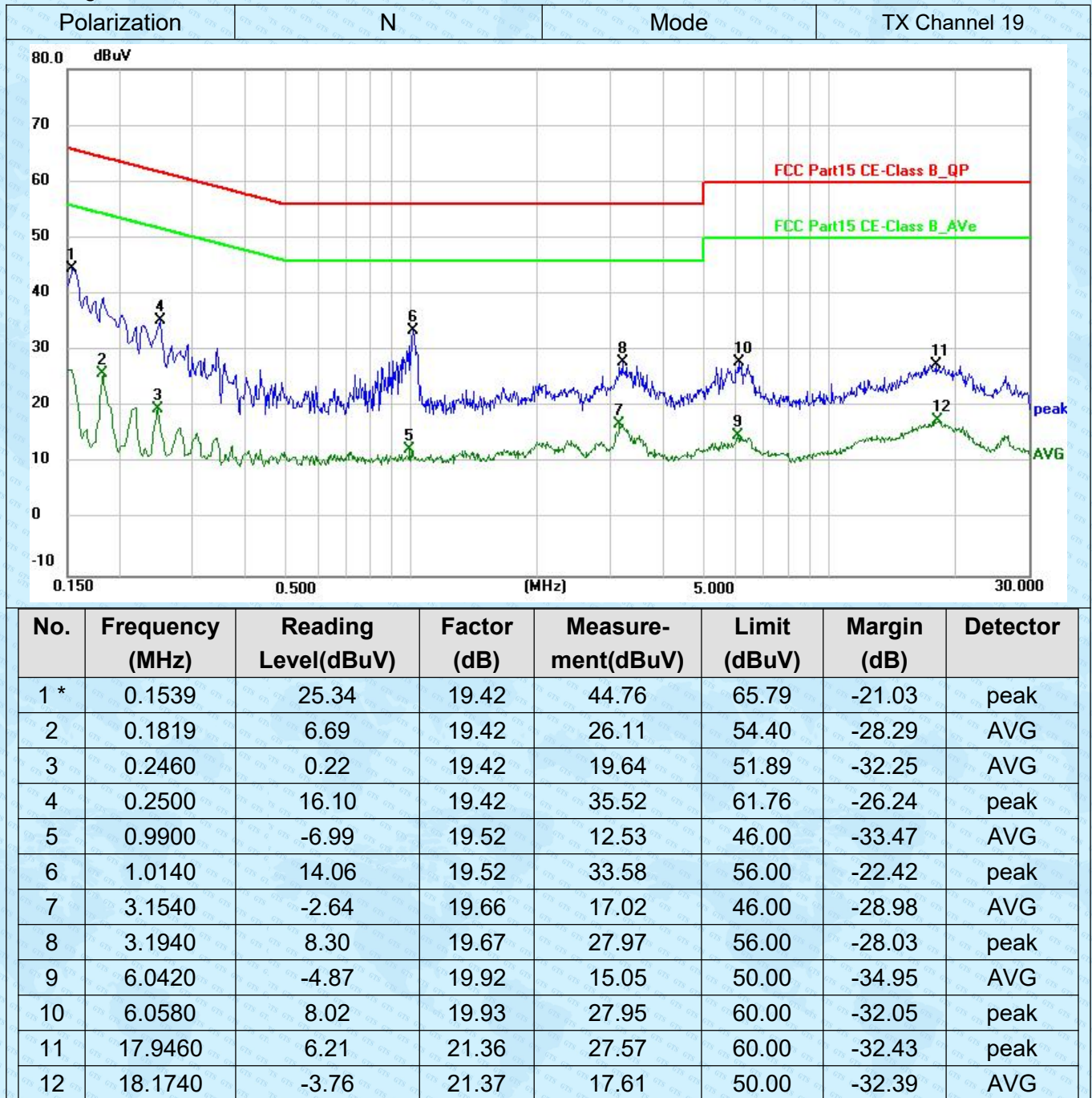


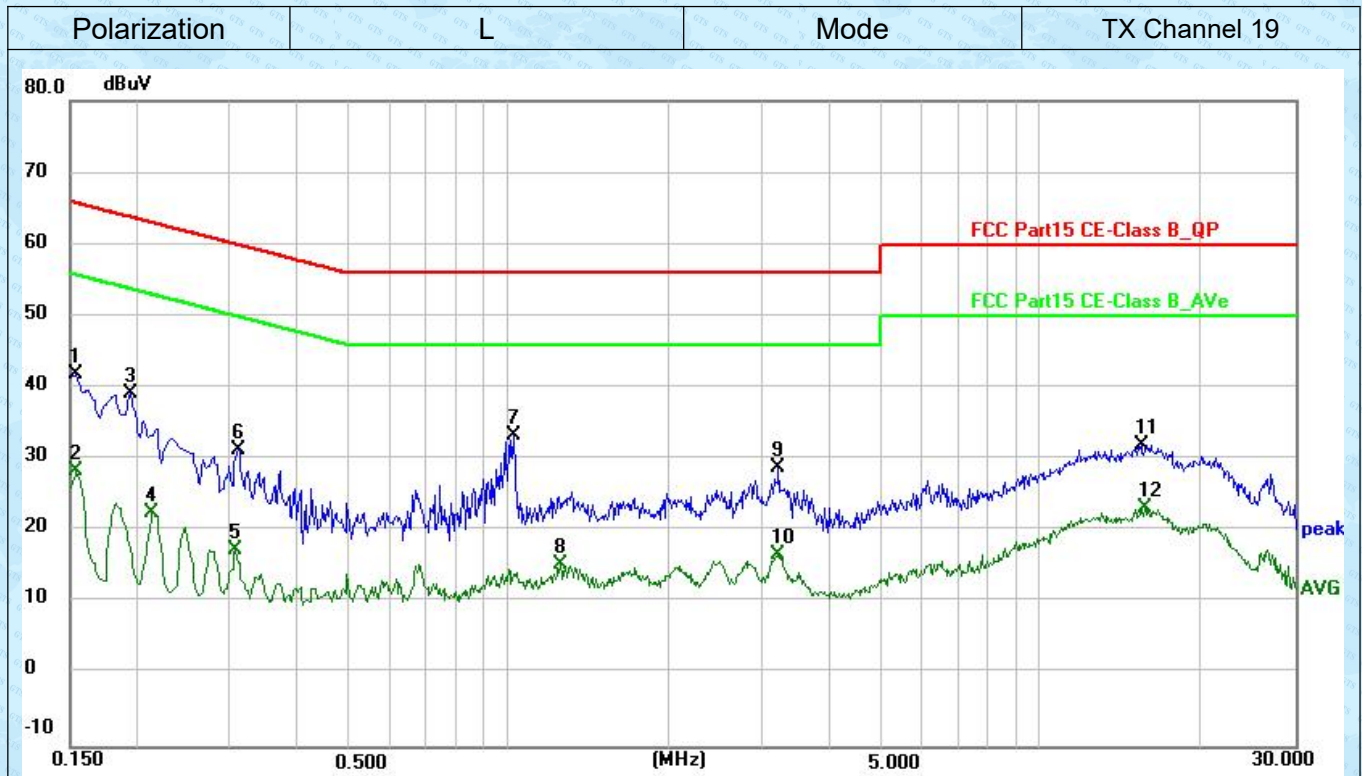
BLE 2M_Channel 38

AC Power-Line Conducted Emission

Note:

1. All modes have been tested, only worst case(BLE2M_2440MHz)mode was recorded in the test report.
2. Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
3. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. The emission levels of other frequencies were less than 20dB margin against the limit.
5. Margin value = Emission level-Limit value.





No.	Frequency (MHz)	Reading Level(dBuV)	Factor (dB)	Measure-ment(dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1539	22.45	19.44	41.89	65.79	-23.90	peak
2	0.1539	9.07	19.44	28.51	55.79	-27.28	AVG
3	0.1940	19.84	19.43	39.27	63.86	-24.59	peak
4	0.2140	3.19	19.43	22.62	53.05	-30.43	AVG
5	0.3060	-1.87	19.44	17.57	50.08	-32.51	AVG
6	0.3100	11.91	19.44	31.35	59.97	-28.62	peak
7 *	1.0220	13.91	19.53	33.44	56.00	-22.56	peak
8	1.2500	-4.15	19.54	15.39	46.00	-30.61	AVG
9	3.2139	9.25	19.69	28.94	56.00	-27.06	peak
10	3.2139	-2.93	19.69	16.76	46.00	-29.24	AVG
11	15.4580	11.07	21.09	32.16	60.00	-27.84	peak
12	15.6700	2.15	21.12	23.27	50.00	-26.73	AVG

Radiated spurious emissions

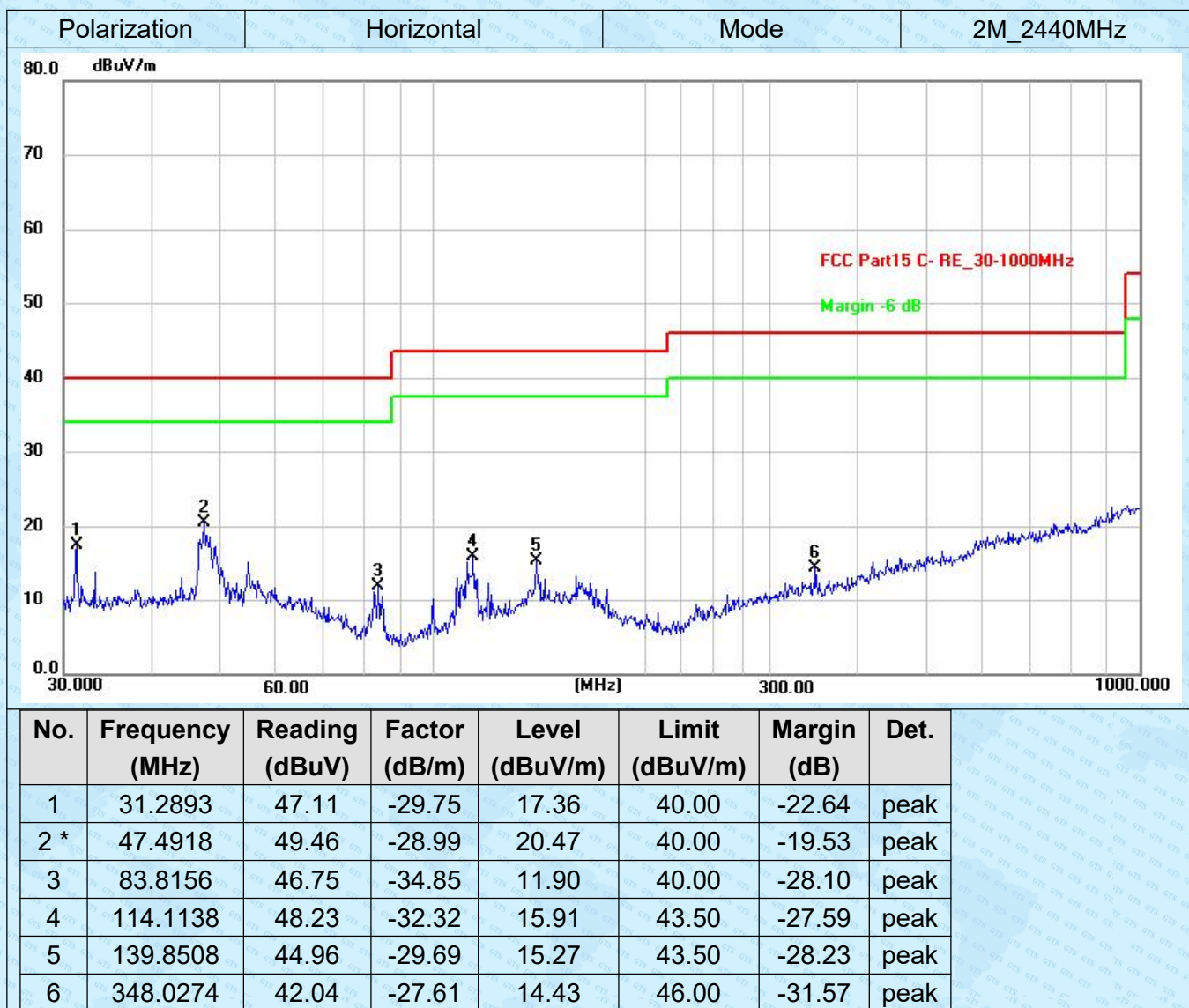
For 9 kHz ~ 30 MHz

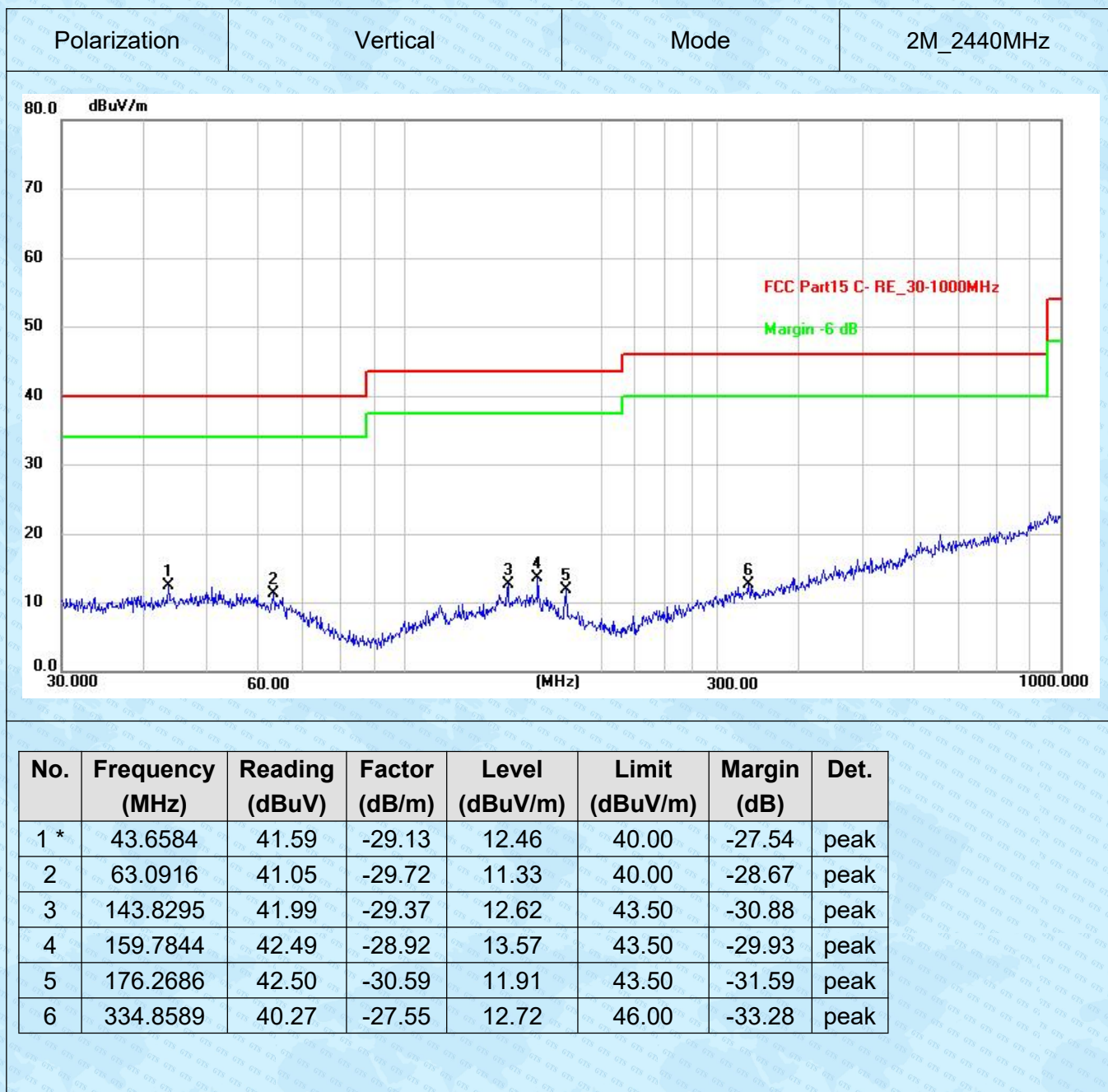
The low frequency, which started from 9 kHz to 30MHz, was pre-scanned and the result which was 20dB lower than the limit line was not reported.

For 30 MHz ~ 1 GHz:

Note:

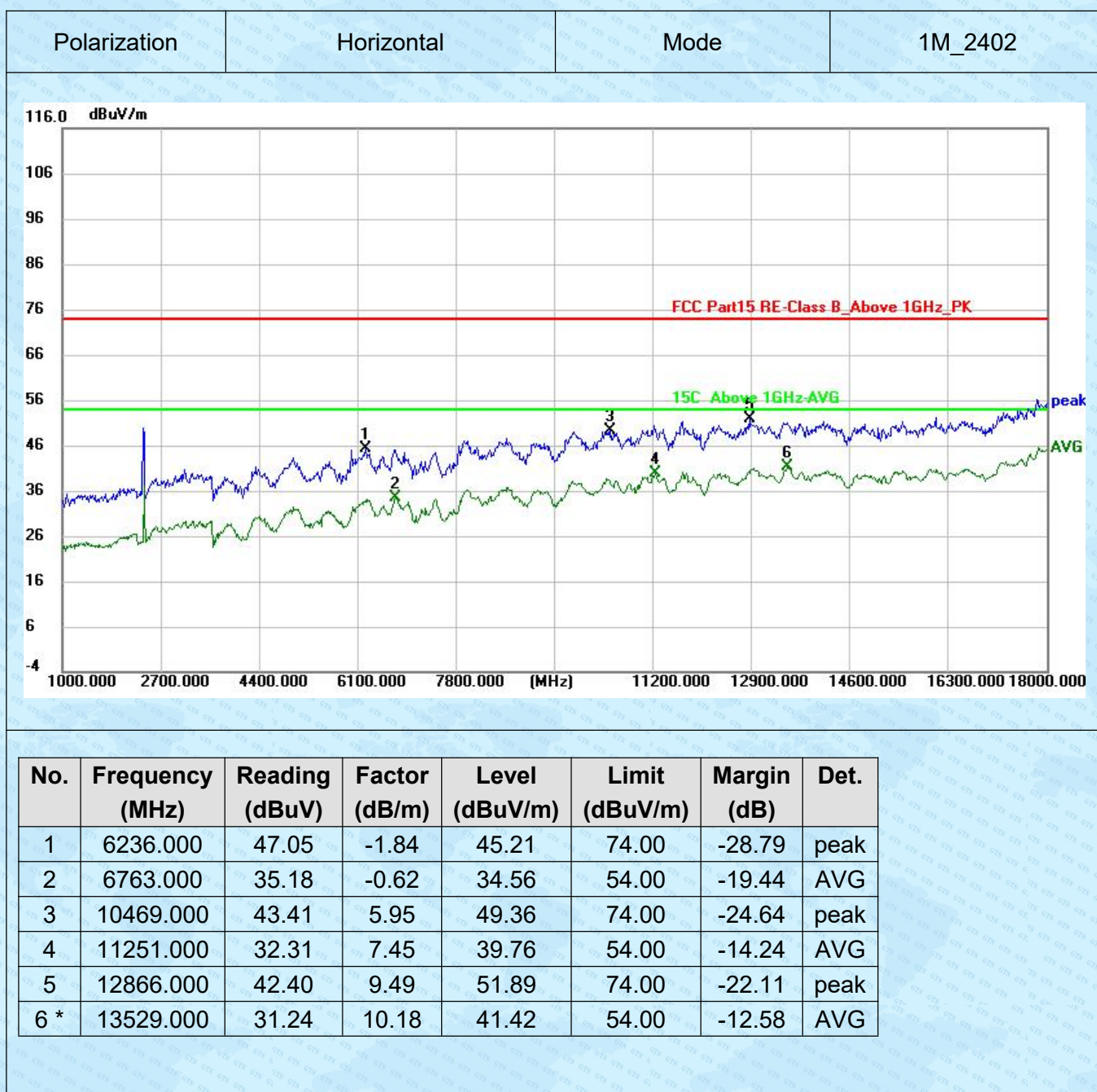
- 1.All modes have been tested, only worst case(BLE2M_2440MHz)mode was recorded in the test report.
- 2.Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
3. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
4. The emission levels of other frequencies were less than 20dB margin against the limit.
5. Margin value = Emission level-Limit value.

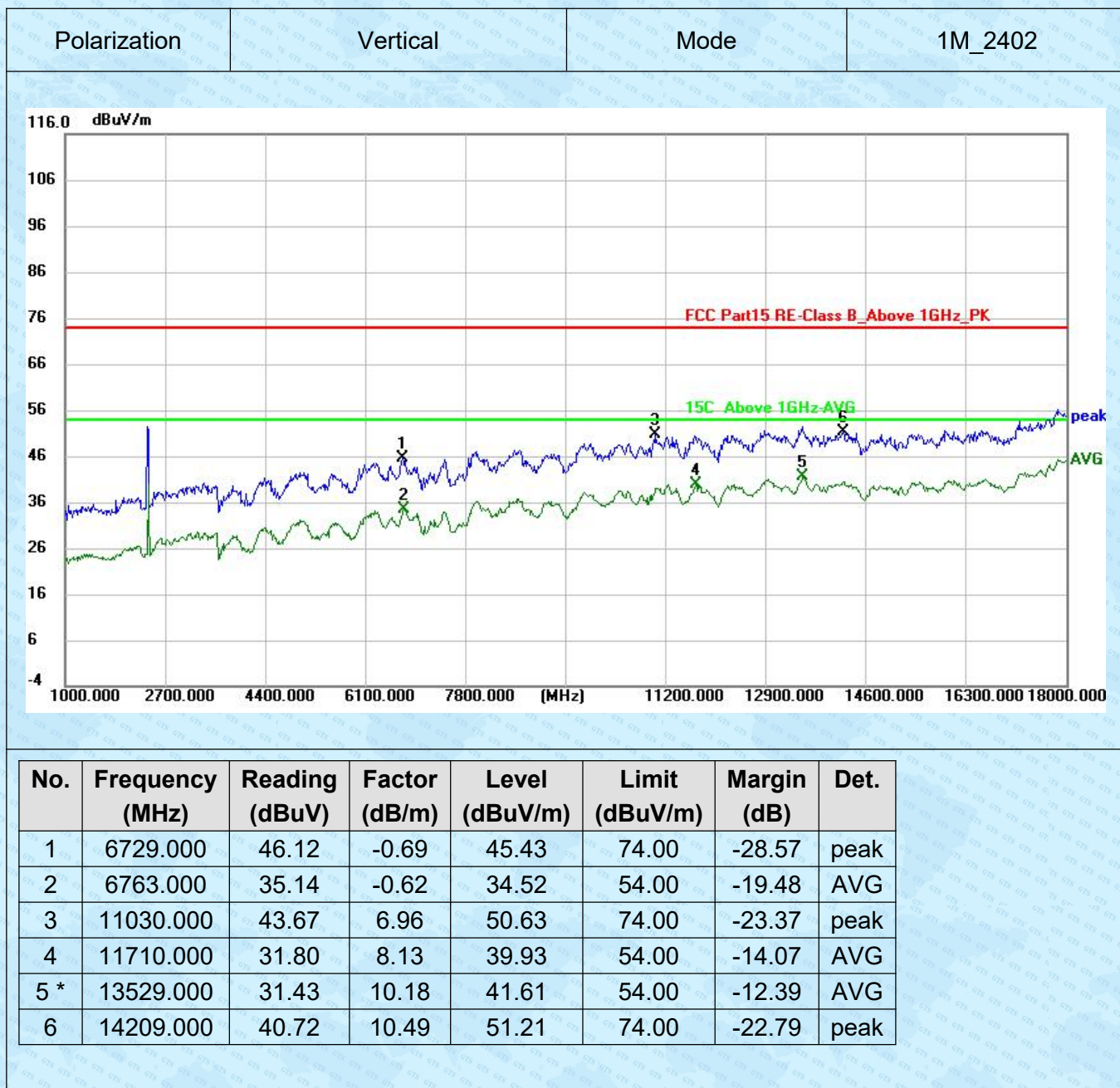


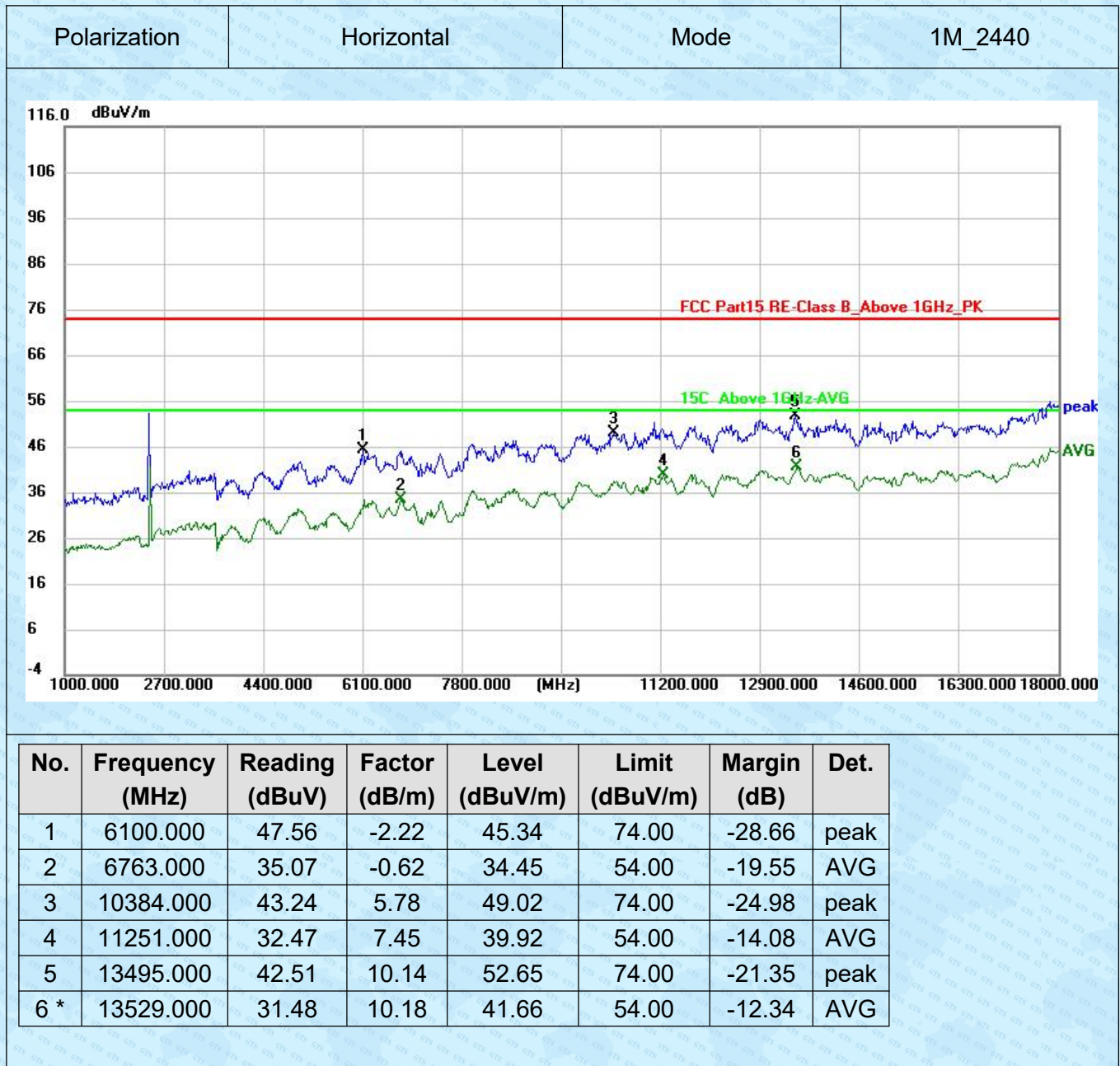


For 1 GHz ~ 18GHz:**Note:**

1. The all data rate modes had been test, but only worse test data was recorded in the test report.
2. In frequency ranges 18 ~25GHz no any other harmonic emissions detected which are tested to compliance with the limit. No recording in the test report. No any other emissions level which are attenuated less than 20dB below the limit. No recording in the test report.
3. We used the filter to test and the main frequency was filtered out.
4. Emission Level (dBuV/m) = Reading Value (dBuV) + Correction Factor (dB/m).
5. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
6. The emission levels of other frequencies were less than 20dB margin against the limit.
7. Margin value = Emission level-Limit value.







Polarization	Vertical	Mode	1M_2440
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	4961.000	48.50	-5.34	43.16	74.00	-30.84	peak
2	4978.000	37.60	-5.28	32.32	54.00	-21.68	AVG
3	8684.000	33.85	2.78	36.63	54.00	-17.37	AVG
4	8718.000	43.96	2.86	46.82	74.00	-27.18	peak
5	13512.000	42.13	10.16	52.29	74.00	-21.71	peak
6 *	13529.000	31.21	10.18	41.39	54.00	-12.61	AVG

Polarization	Horizontal	Mode	1M_2480
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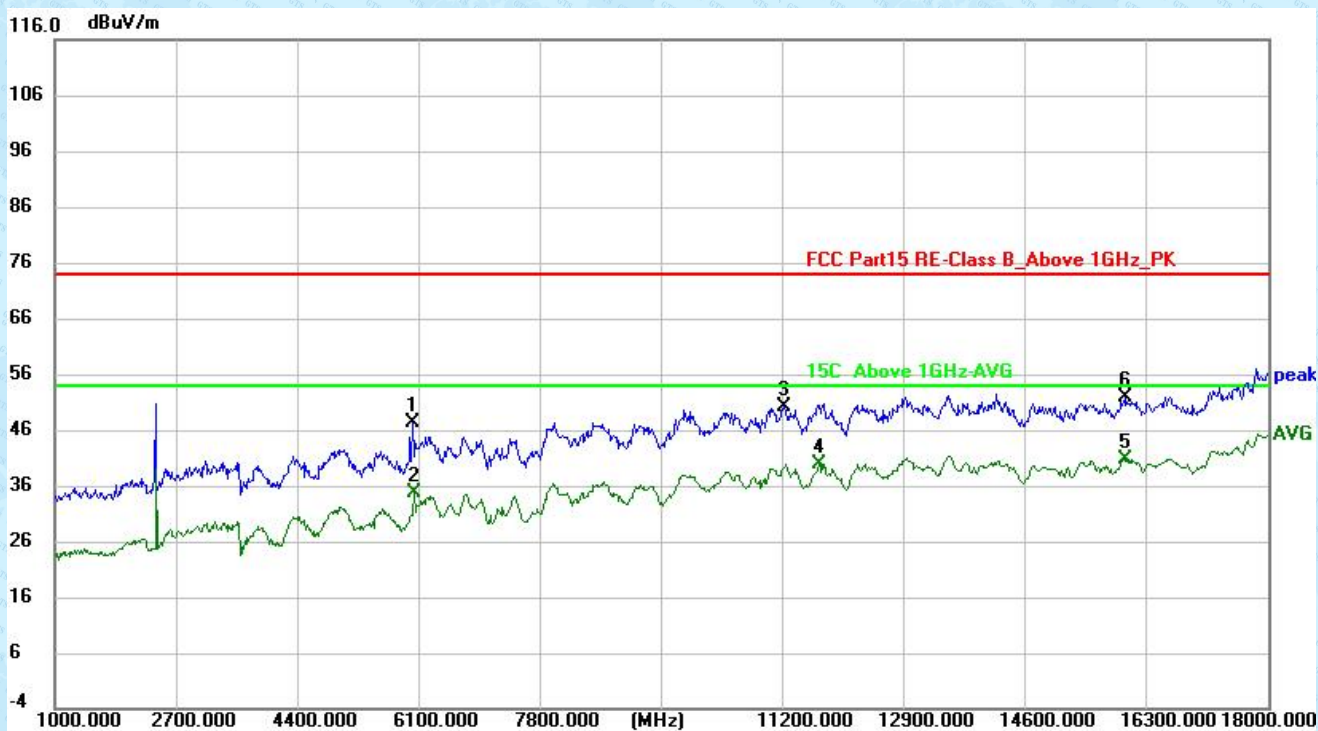
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	6202.000	47.56	-1.94	45.62	74.00	-28.38	peak
2	6219.000	37.08	-1.89	35.19	54.00	-18.81	AVG
3	10418.000	43.59	5.86	49.45	74.00	-24.55	peak
4	11251.000	32.41	7.45	39.86	54.00	-14.14	AVG
5	13512.000	41.92	10.16	52.08	74.00	-21.92	peak
6 *	13529.000	31.15	10.18	41.33	54.00	-12.67	AVG

Polarization	Vertical	Mode	1M_2480
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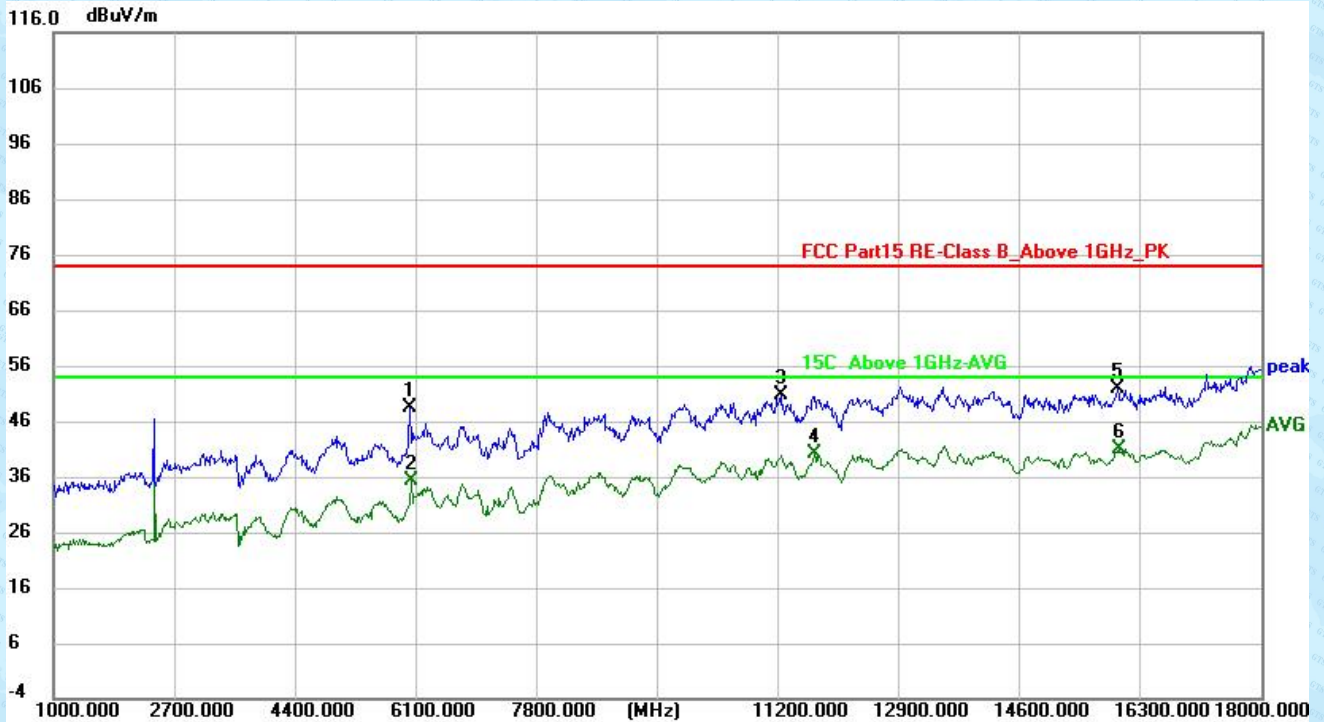
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	6202.000	50.99	-1.94	49.05	74.00	-24.95	peak
2	6219.000	38.94	-1.89	37.05	54.00	-16.95	AVG
3	10503.000	43.49	6.00	49.49	74.00	-24.51	peak
4	11251.000	32.42	7.45	39.87	54.00	-14.13	AVG
5	15518.000	39.91	11.85	51.76	74.00	-22.24	peak
6 *	16096.000	28.88	12.00	40.88	54.00	-13.12	AVG

Polarization	Horizontal	Mode	2M_2404
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	6015.000	49.72	-2.46	47.26	74.00	-26.74	peak
2	6032.000	37.02	-2.41	34.61	54.00	-19.39	AVG
3	11217.000	42.73	7.37	50.10	74.00	-23.90	peak
4	11710.000	31.84	8.13	39.97	54.00	-14.03	AVG
5 *	15994.000	28.95	11.90	40.85	54.00	-13.15	AVG
6	16011.000	39.85	11.91	51.76	74.00	-22.24	peak

Polarization	Vertical	Mode	2M_2404
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	6015.000	50.76	-2.46	48.30	74.00	-25.70	peak
2	6032.000	37.79	-2.41	35.38	54.00	-18.62	AVG
3	11234.000	43.18	7.42	50.60	74.00	-23.40	peak
4	11710.000	31.95	8.13	40.08	54.00	-13.92	AVG
5	15977.000	40.02	11.89	51.91	74.00	-22.09	peak
6 *	15994.000	29.01	11.90	40.91	54.00	-13.09	AVG

Polarization	Horizontal	Mode	2M_2440
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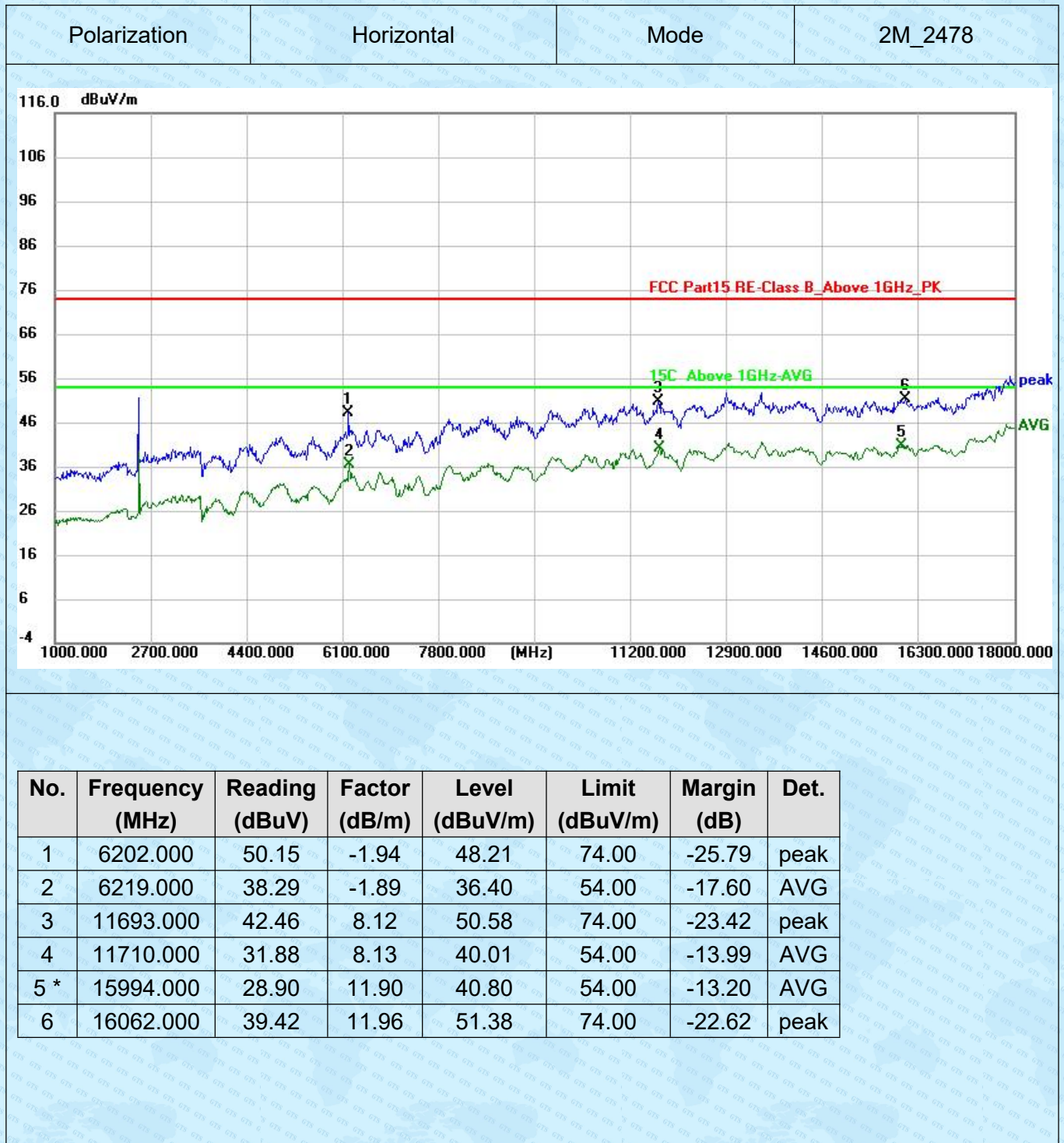


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	6100.000	47.78	-2.22	45.56	74.00	-28.44	peak
2	6746.000	35.15	-0.65	34.50	54.00	-19.50	AVG
3	10384.000	43.52	5.78	49.30	74.00	-24.70	peak
4	11251.000	32.32	7.45	39.77	54.00	-14.23	AVG
5 *	13512.000	31.28	10.16	41.44	54.00	-12.56	AVG
6	13529.000	41.91	10.18	52.09	74.00	-21.91	peak

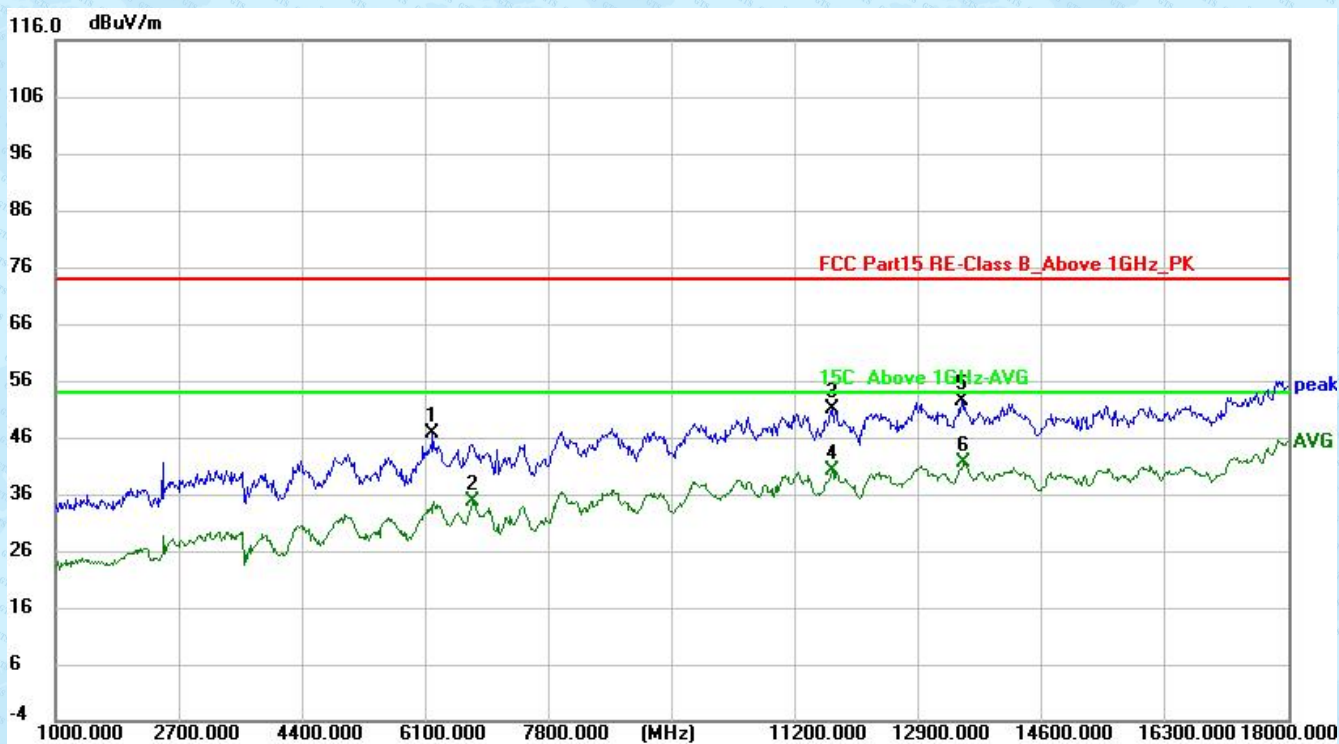
Polarization	Vertical	Mode	2M_2440
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	6100.000	49.97	-2.22	47.75	74.00	-26.25	peak
2	6117.000	37.43	-2.17	35.26	54.00	-18.74	AVG
3	10401.000	43.25	5.82	49.07	74.00	-24.93	peak
4	11030.000	32.22	6.96	39.18	54.00	-14.82	AVG
5	15382.000	39.74	11.53	51.27	74.00	-22.73	peak
6 *	15994.000	28.98	11.90	40.88	54.00	-13.12	AVG



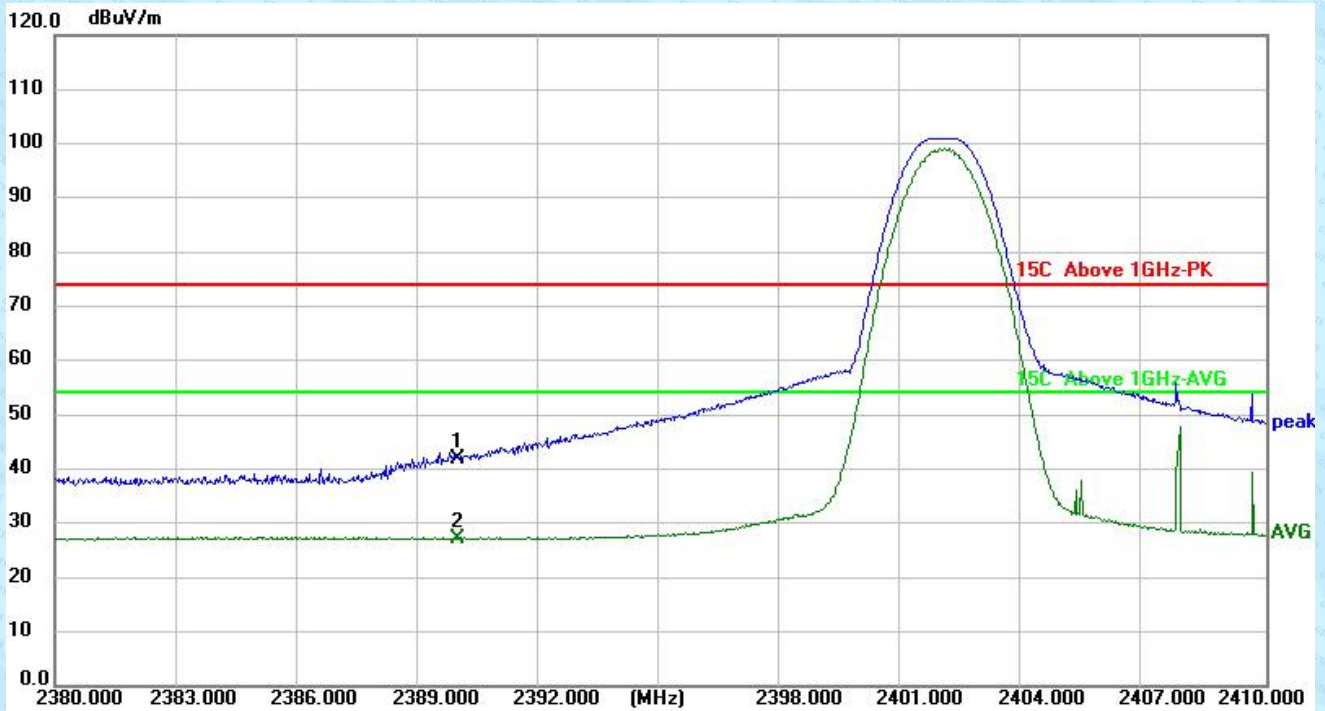
Polarization	Vertical	Mode	2M_2478
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	6202.000	48.74	-1.94	46.80	74.00	-27.20	peak
2	6763.000	35.27	-0.62	34.65	54.00	-19.35	AVG
3	11710.000	42.92	8.13	51.05	74.00	-22.95	peak
4	11710.000	31.92	8.13	40.05	54.00	-13.95	AVG
5	13495.000	42.17	10.14	52.31	74.00	-21.69	peak
6 *	13529.000	31.41	10.18	41.59	54.00	-12.41	AVG

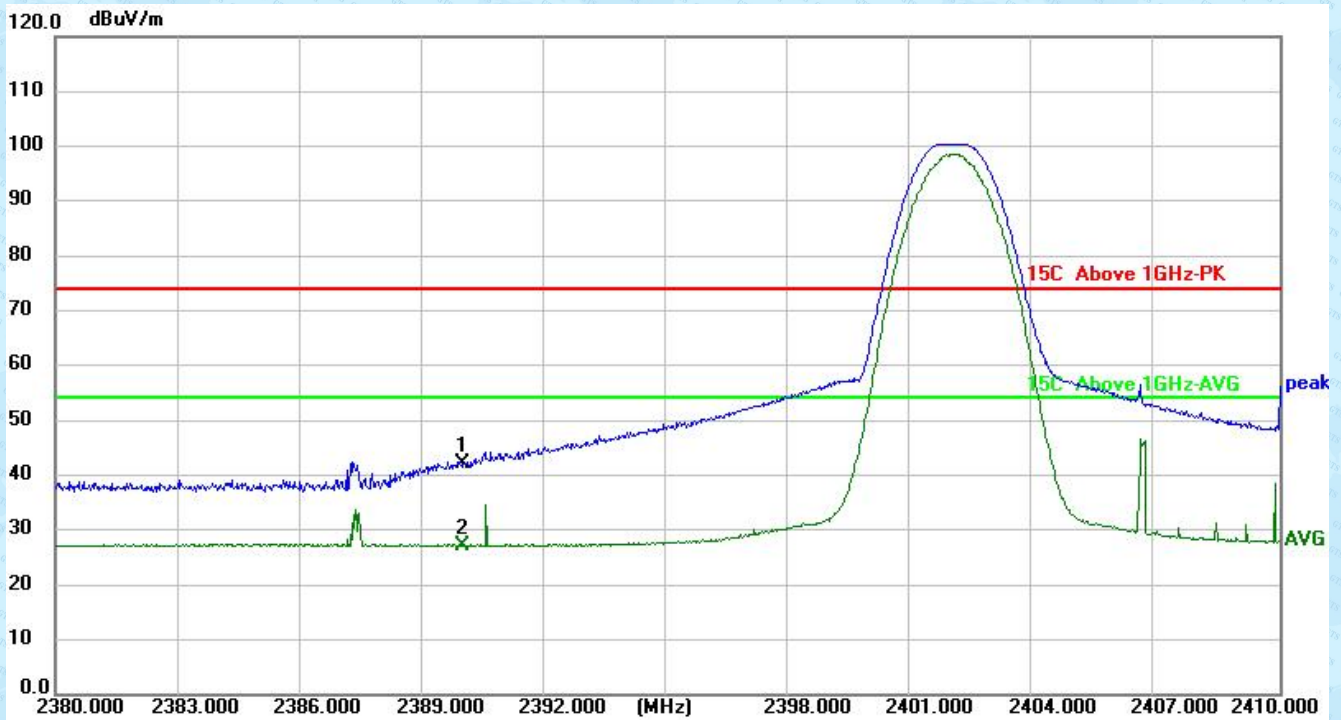
Test Result of Restricted Band

Polarization	Horizontal	Mode	1M_2402
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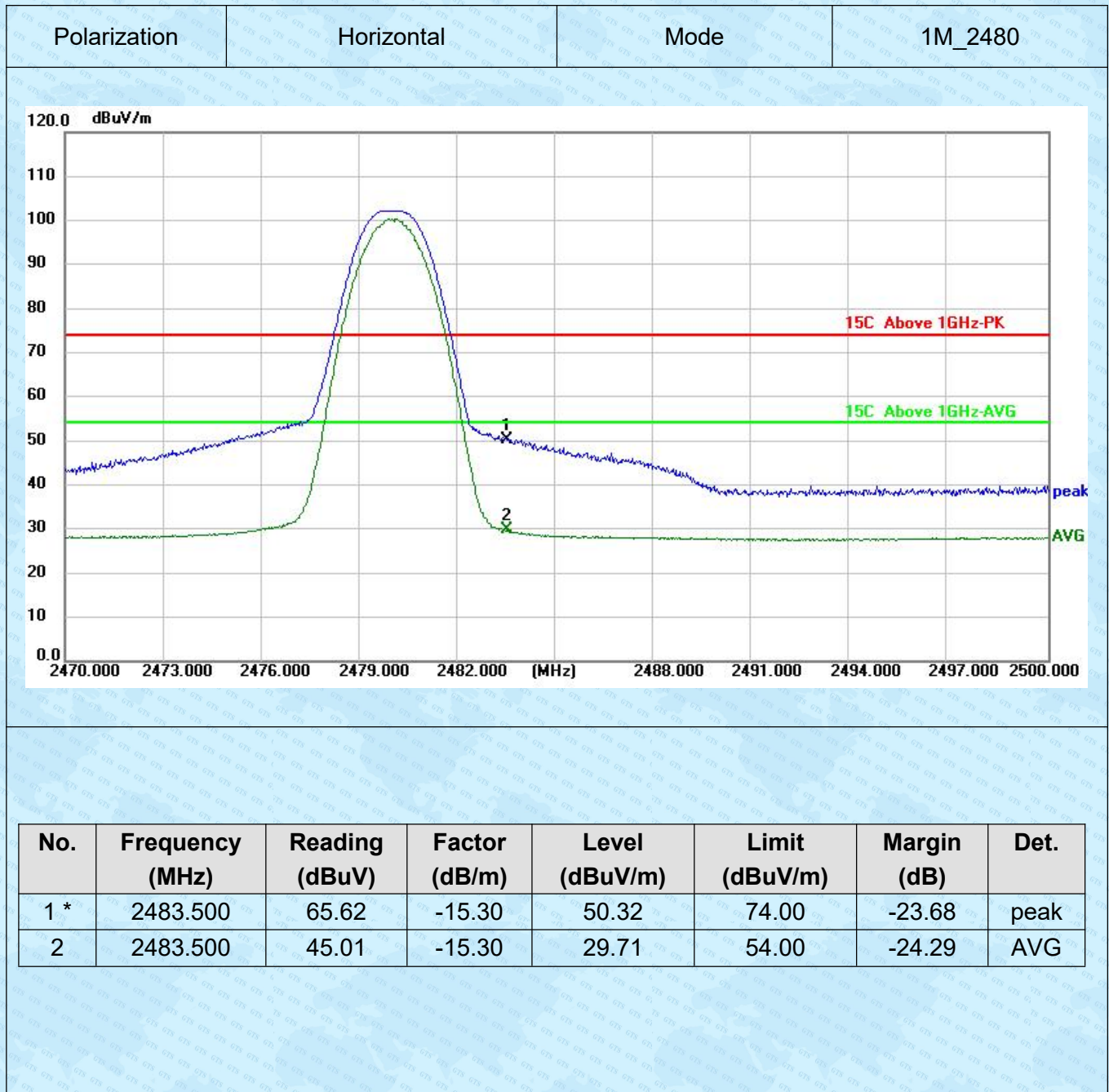


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2390.000	57.60	-15.88	41.72	74.00	-32.28	peak
2 *	2390.000	42.95	-15.88	27.07	54.00	-26.93	AVG

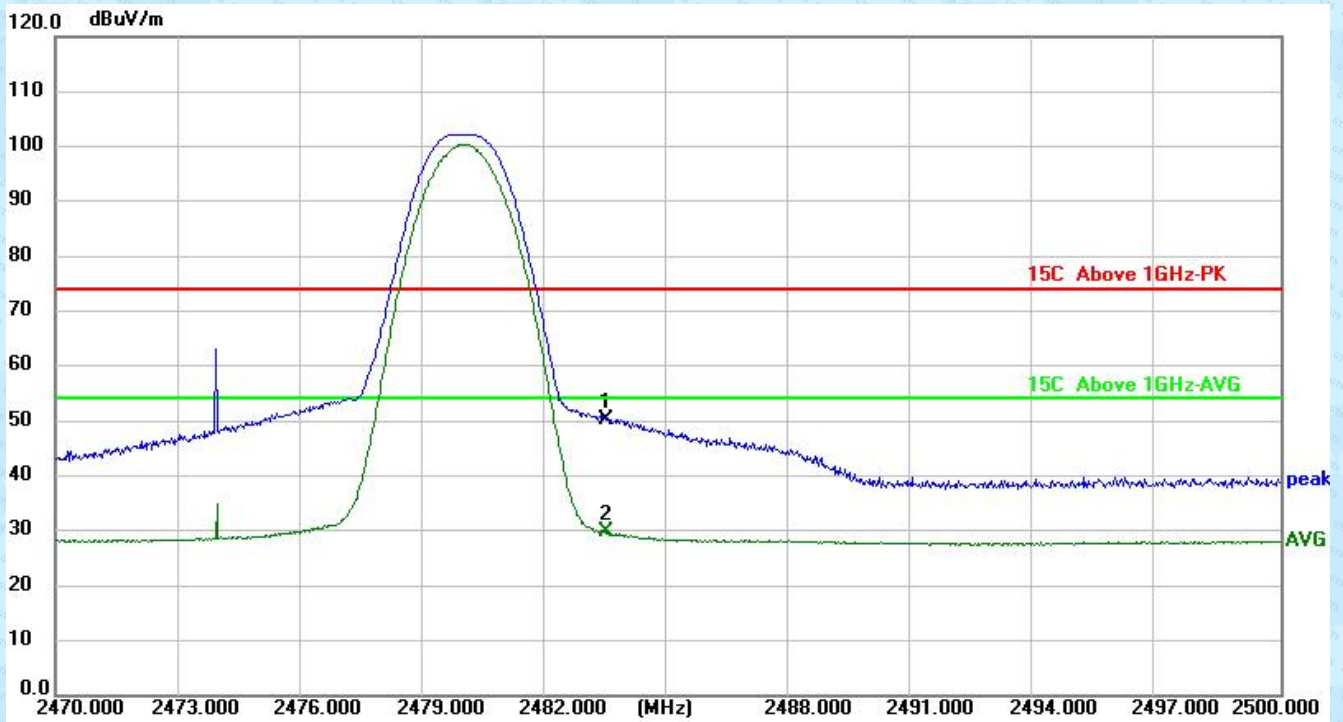
Polarization	Vertical	Mode	1M_2402
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2390.000	58.11	-15.88	42.23	74.00	-31.77	peak
2 *	2390.000	43.18	-15.88	27.30	54.00	-26.70	AVG

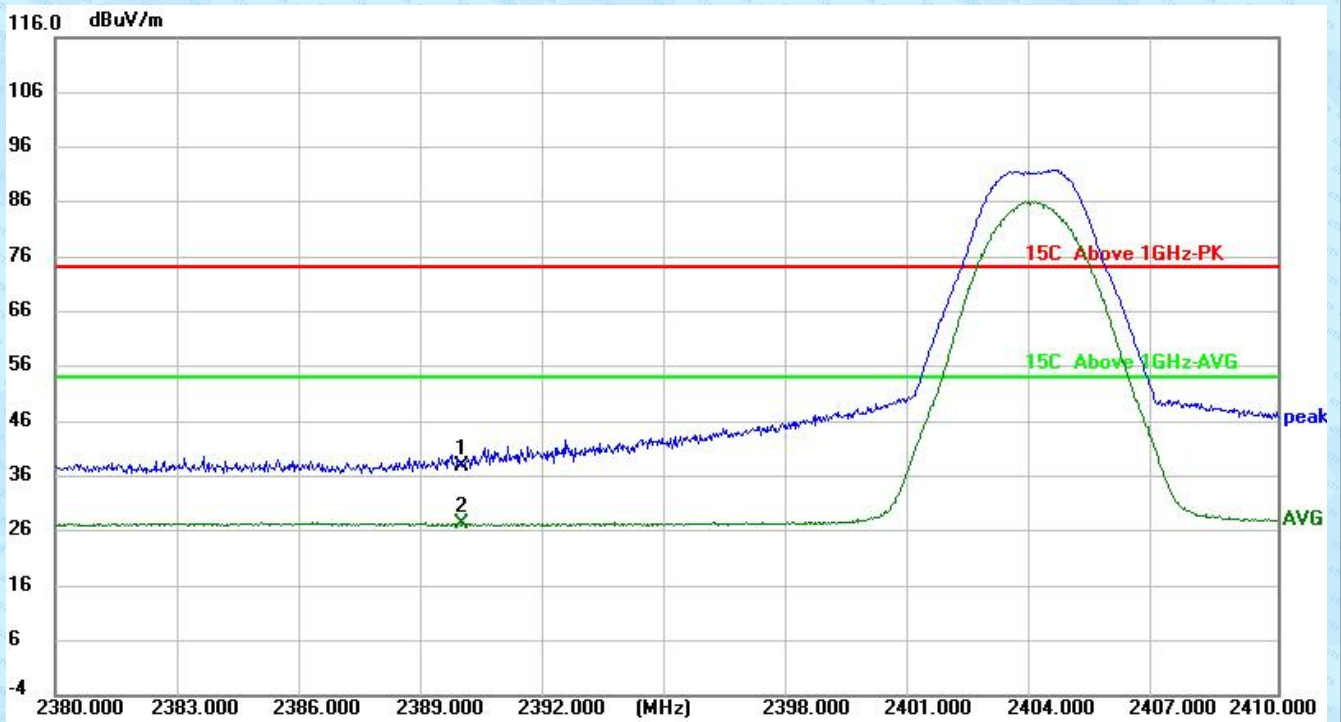


Polarization	Vertical	Mode	1M_2480
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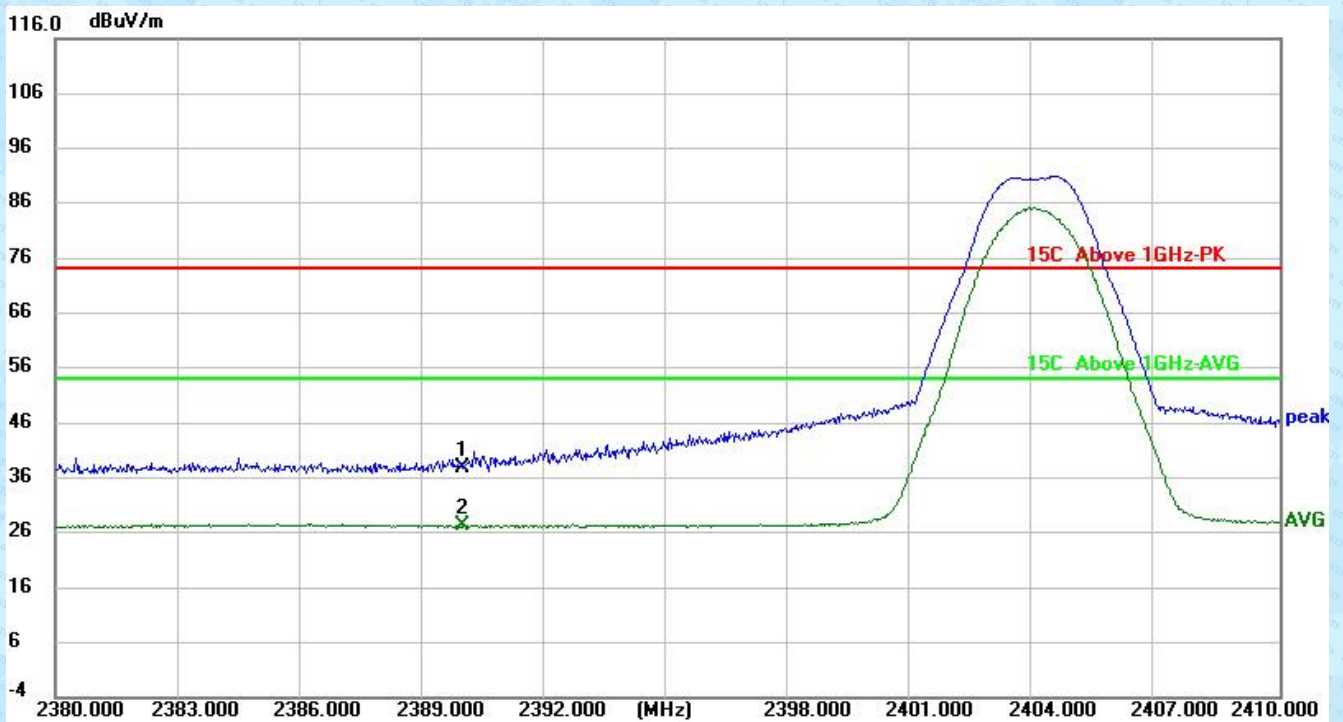
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1 *	2483.500	65.69	-15.30	50.39	74.00	-23.61	peak
2	2483.500	45.21	-15.30	29.91	54.00	-24.09	AVG

Polarization	Horizontal	Mode	2M_2404
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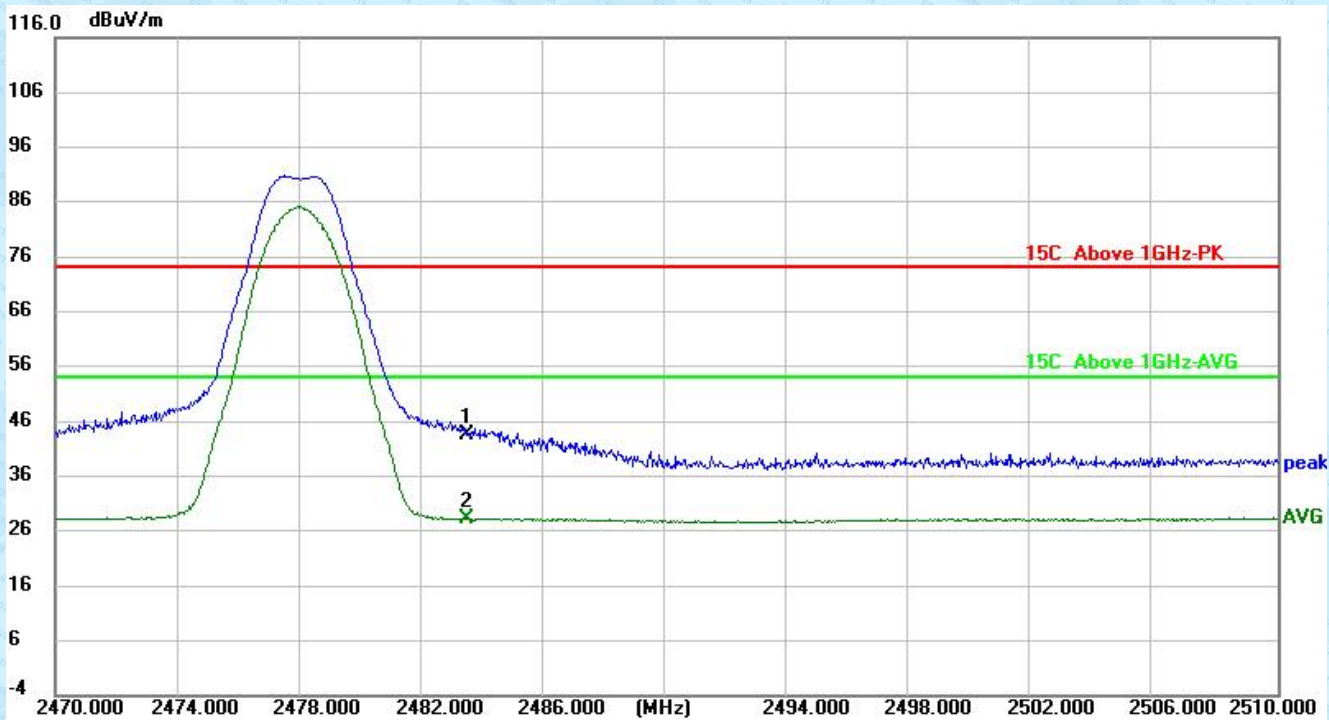
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2390.000	53.65	-15.88	37.77	74.00	-36.23	peak
2 *	2390.000	43.20	-15.88	27.32	54.00	-26.68	AVG

Polarization	Vertical	Mode	2M_2404
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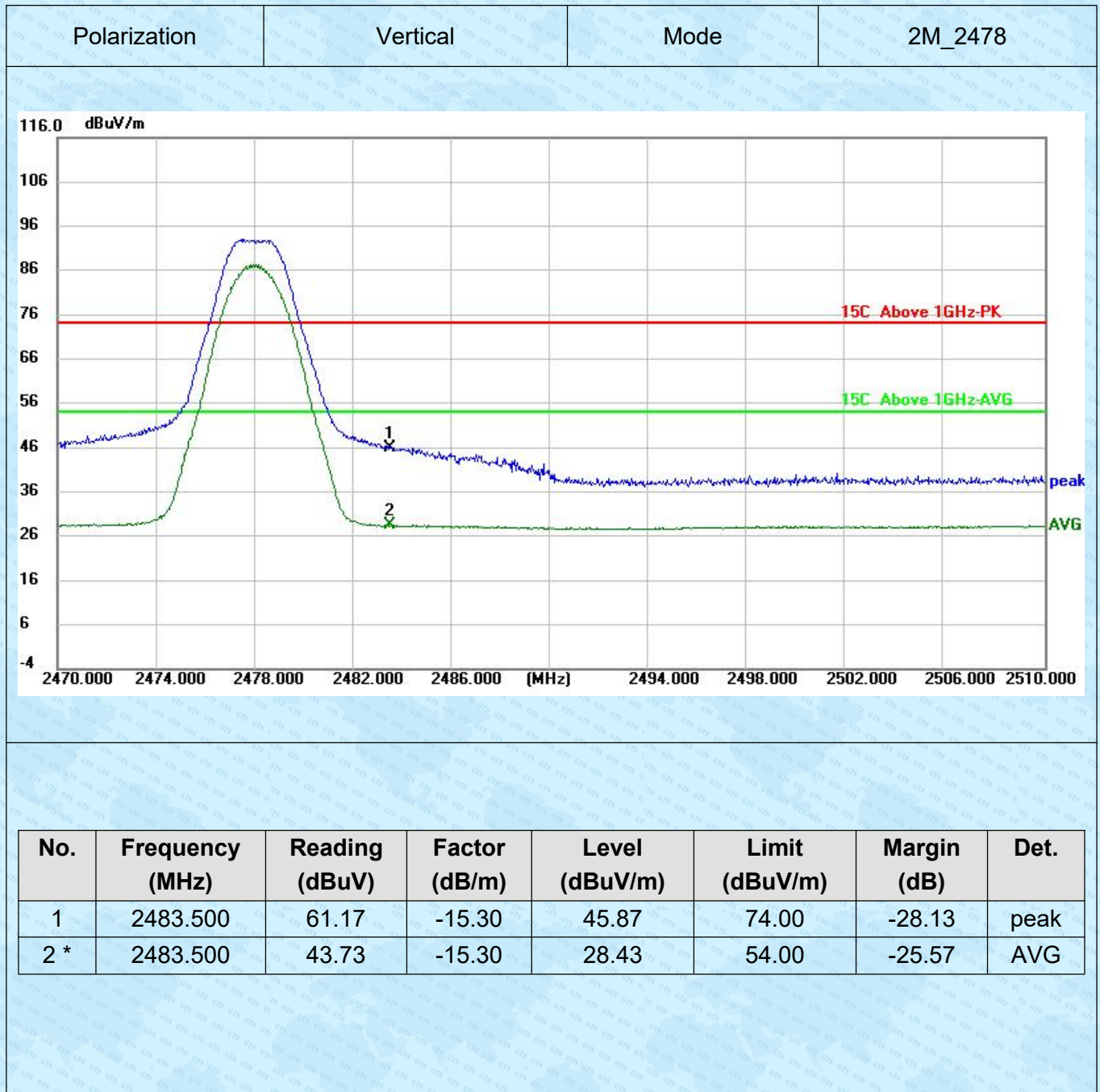


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2390.000	53.86	-15.88	37.98	74.00	-36.02	peak
2 *	2390.000	43.14	-15.88	27.26	54.00	-26.74	AVG

Polarization	Horizontal	Mode	2M_2478
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No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	2483.500	58.81	-15.30	43.51	74.00	-30.49	peak
2 *	2483.500	43.48	-15.30	28.18	54.00	-25.82	AVG



*****END OF THE REPORT*****