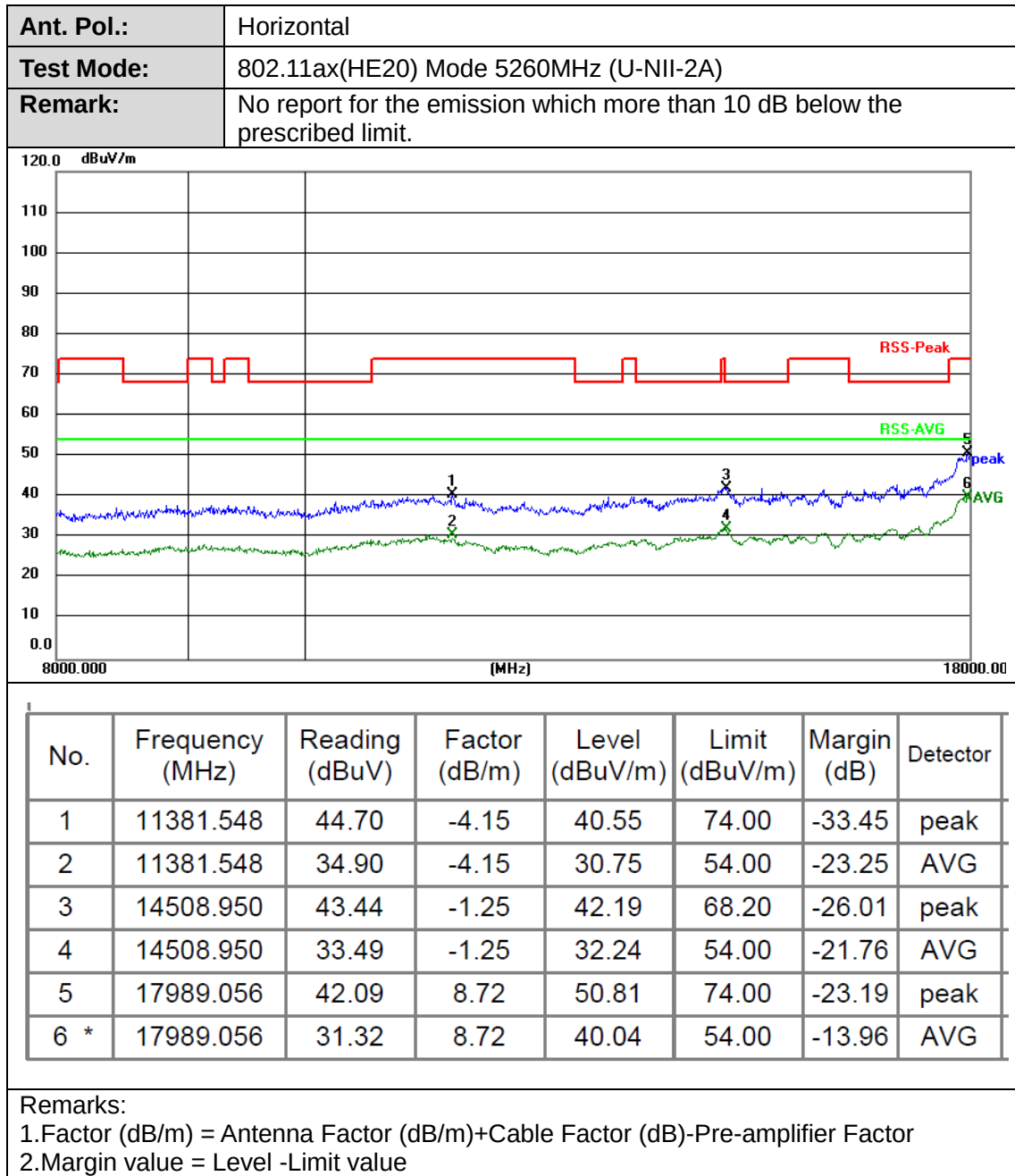
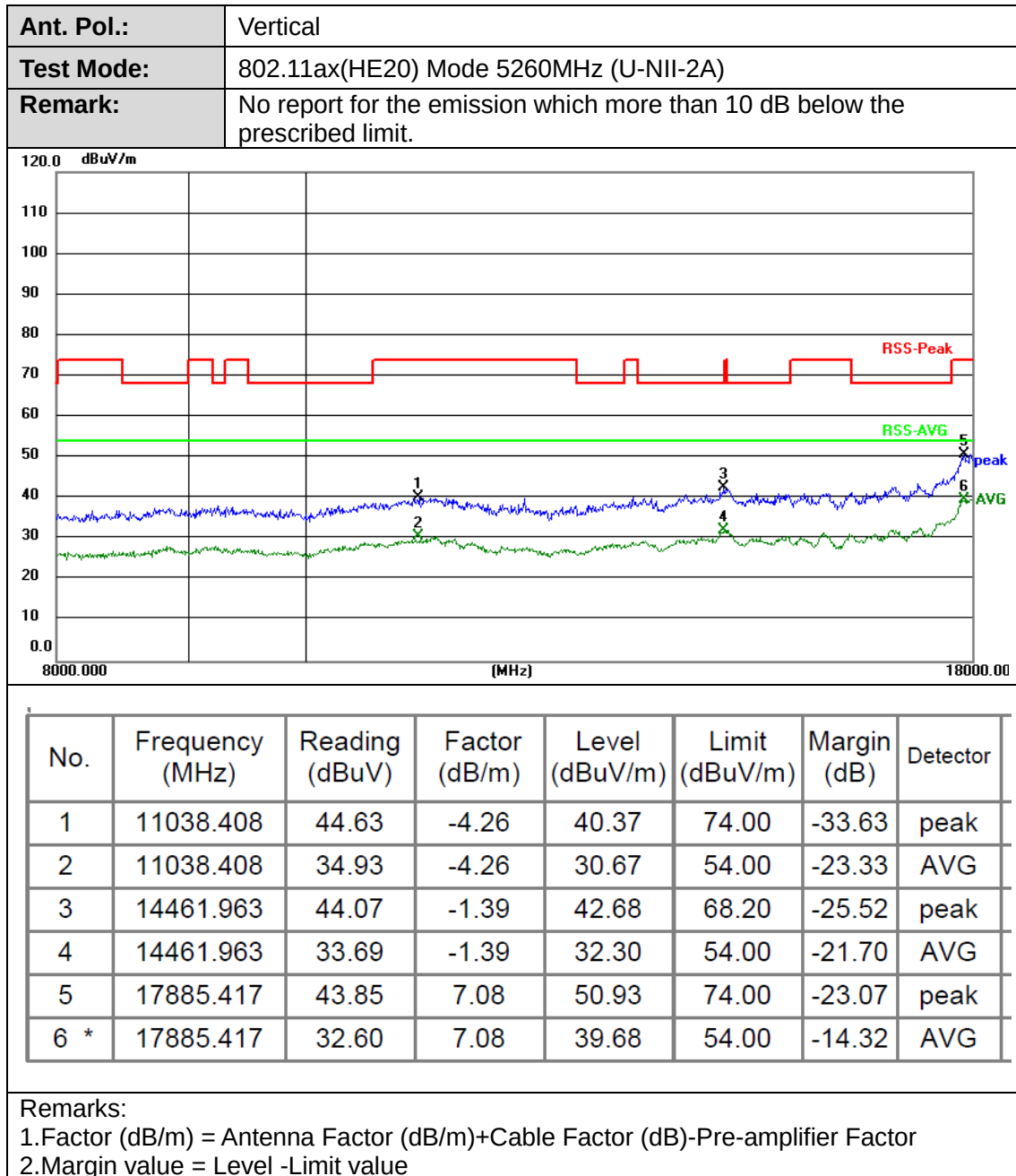
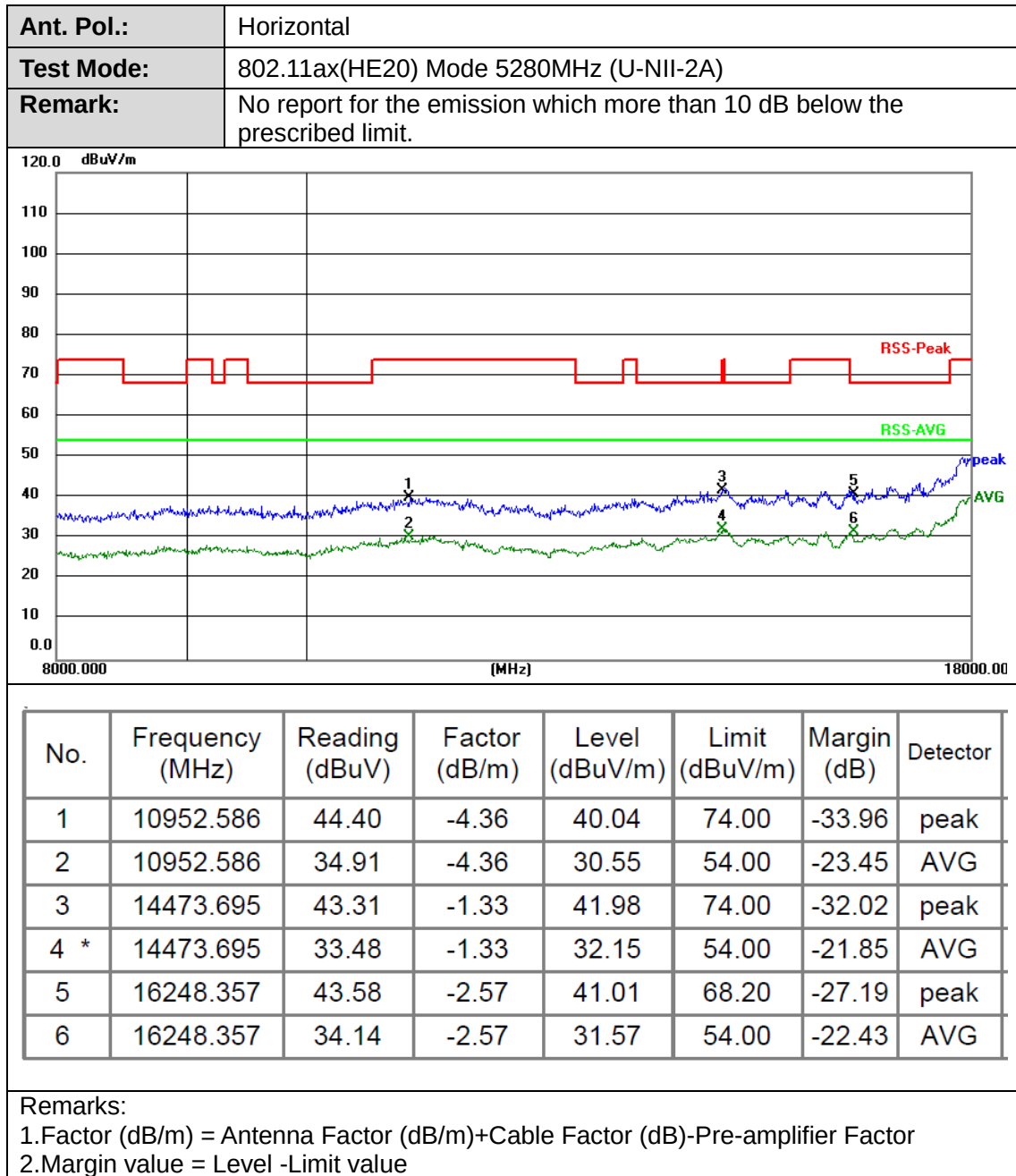
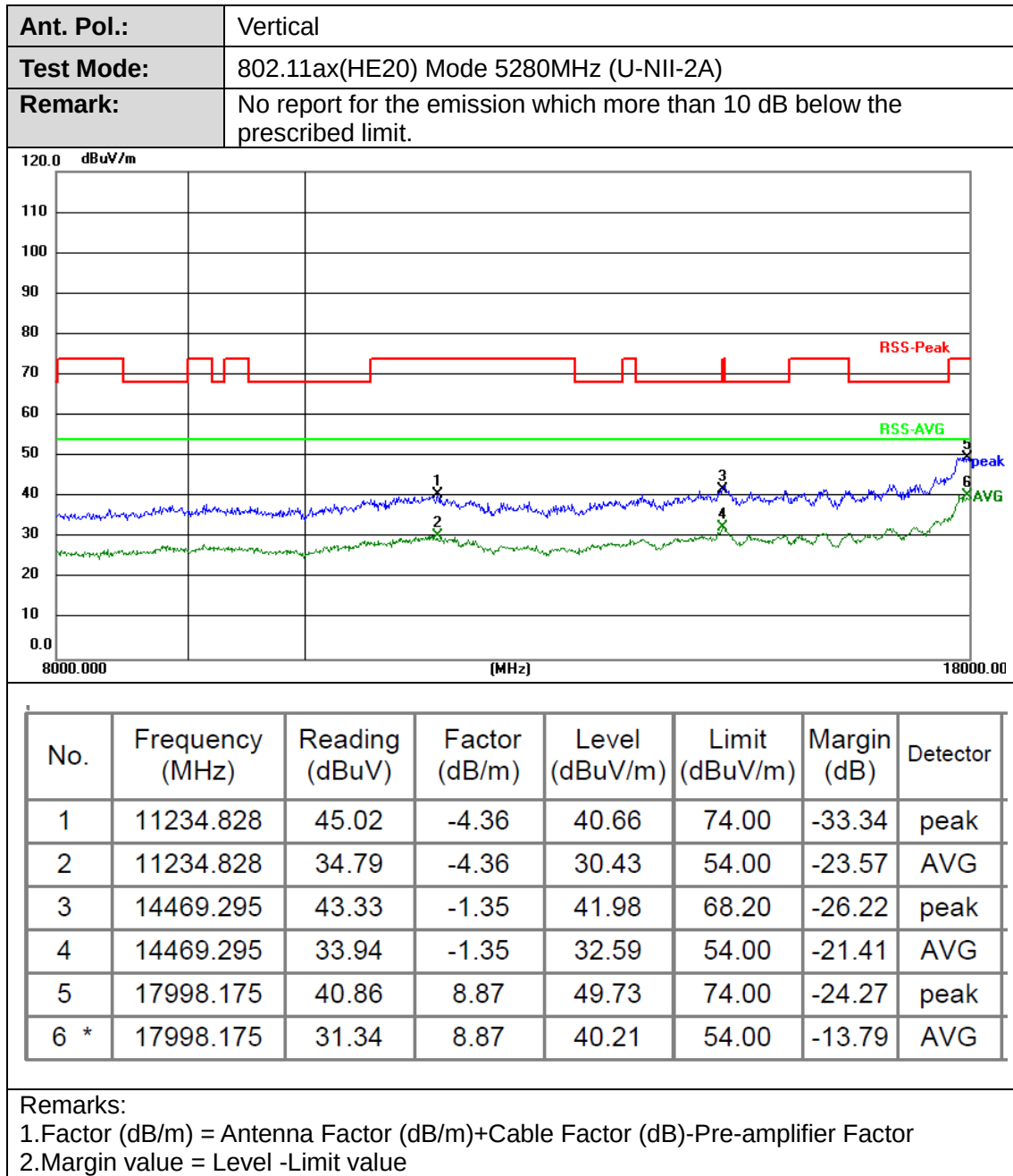
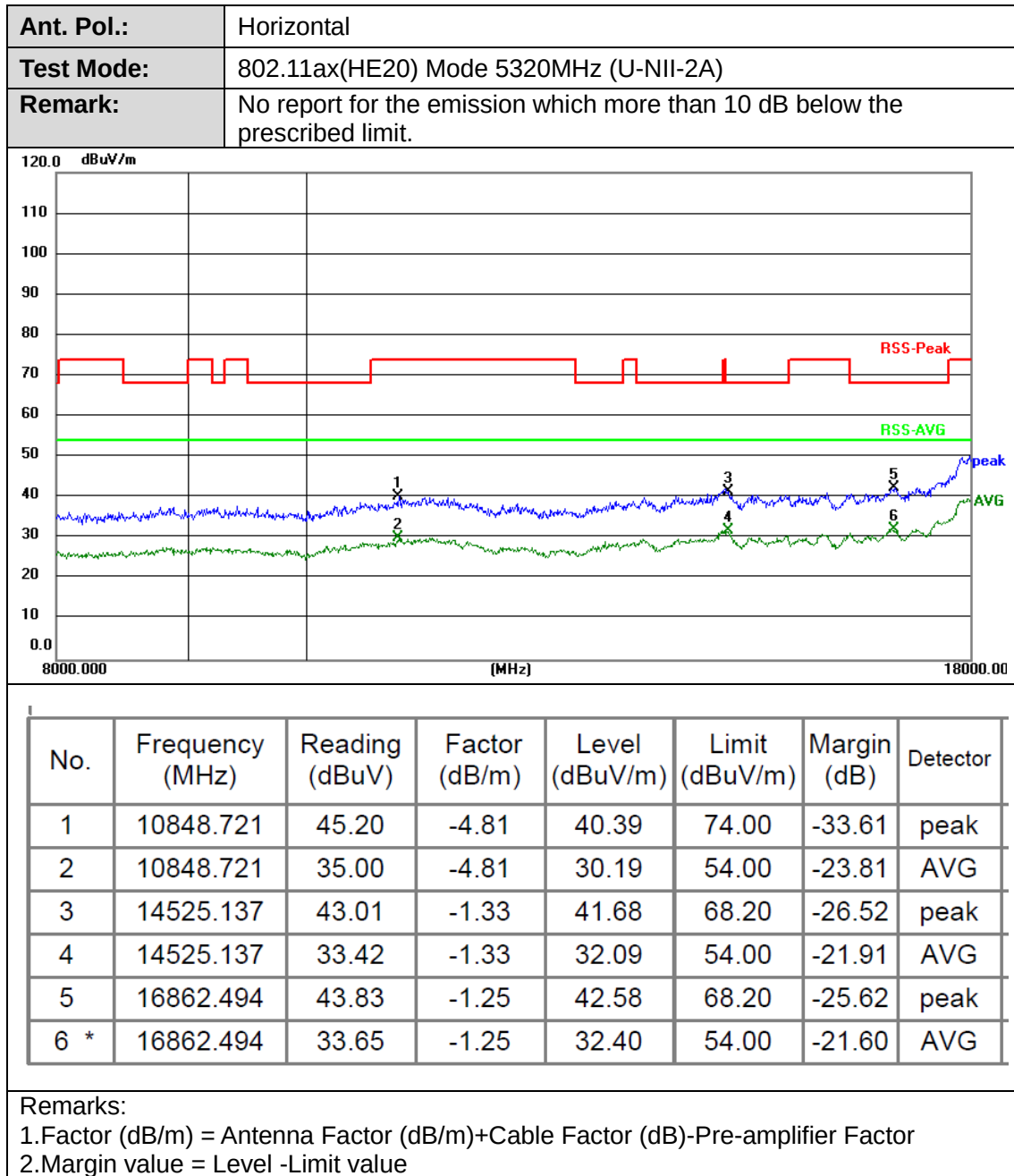


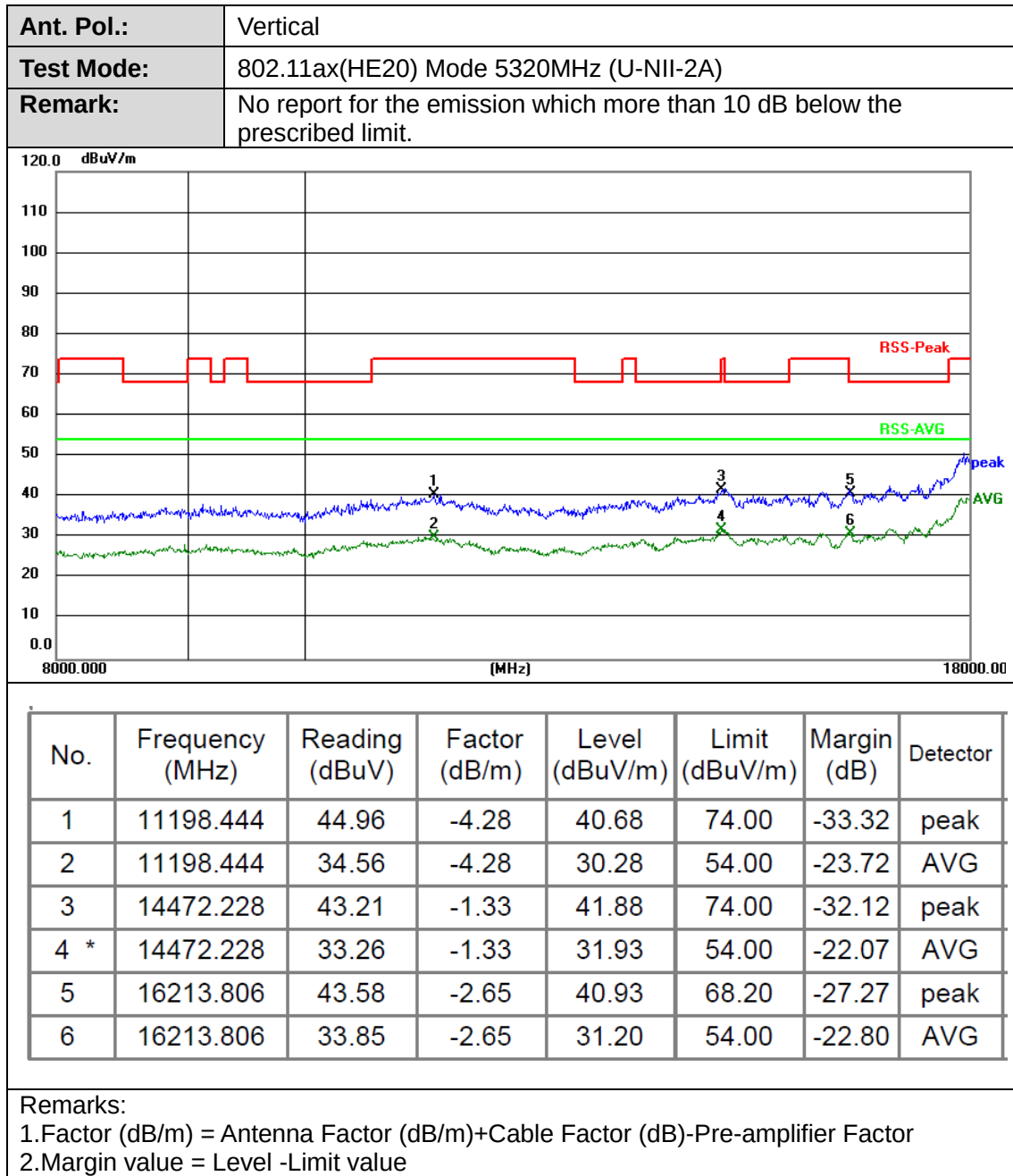


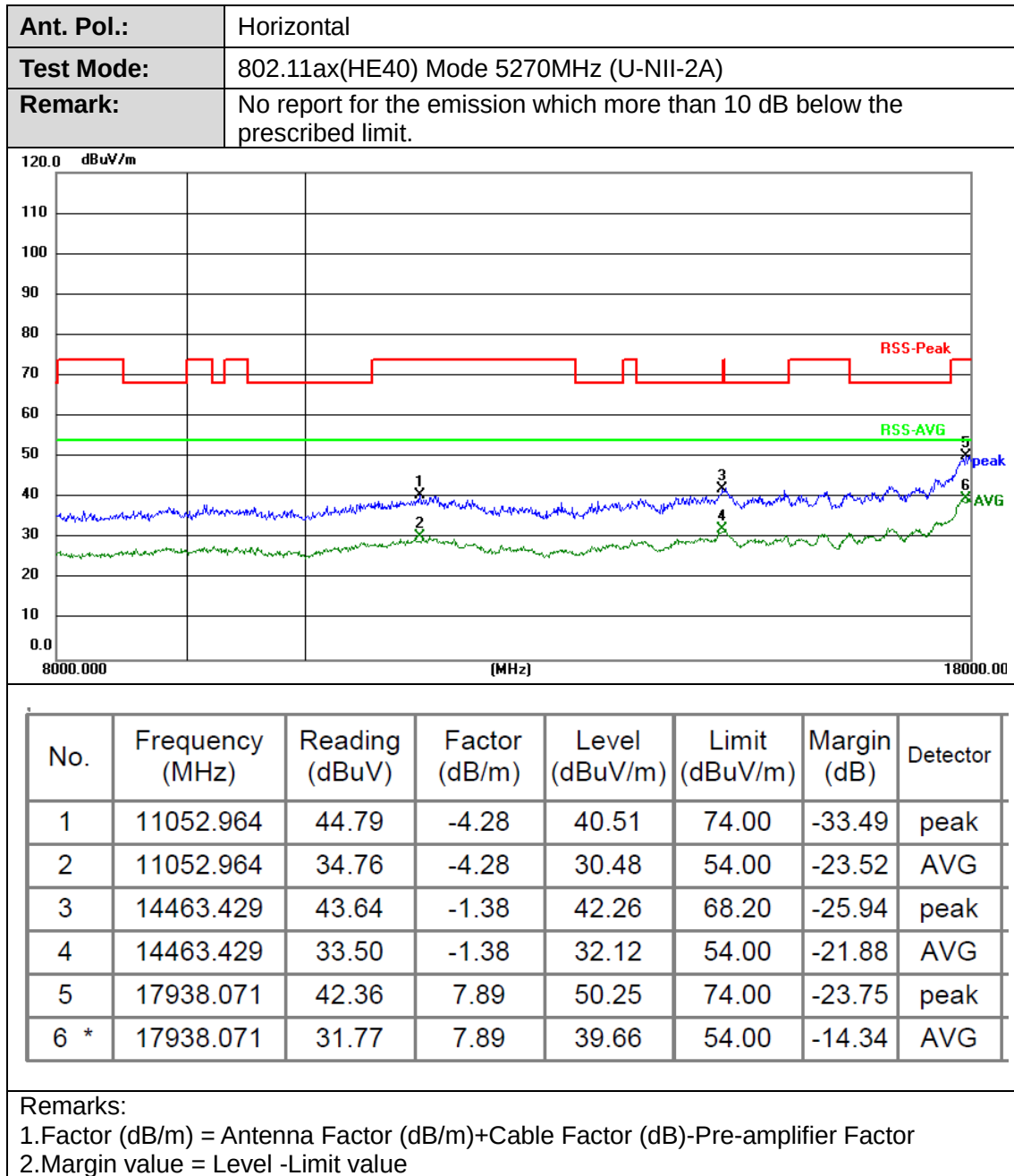


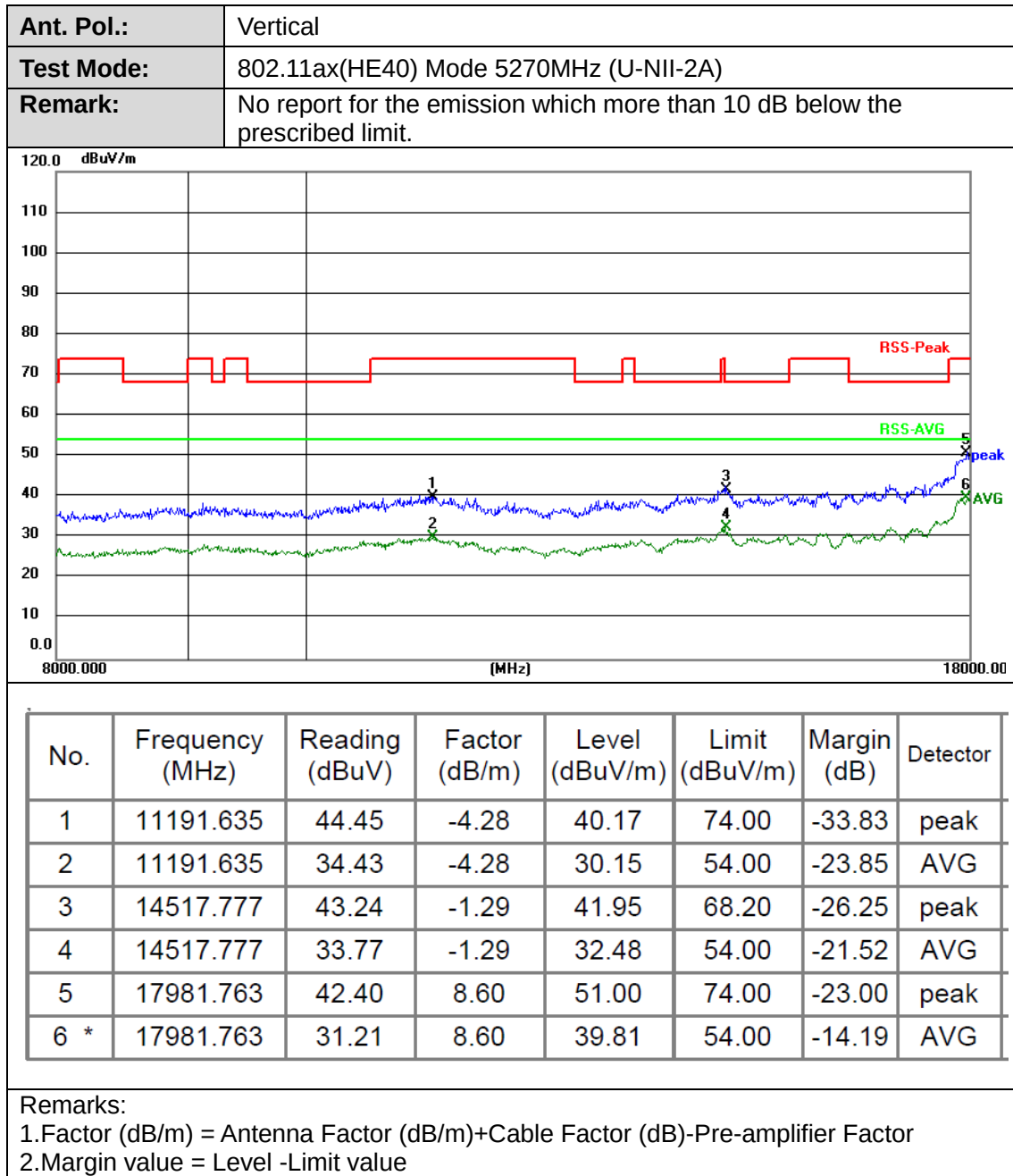


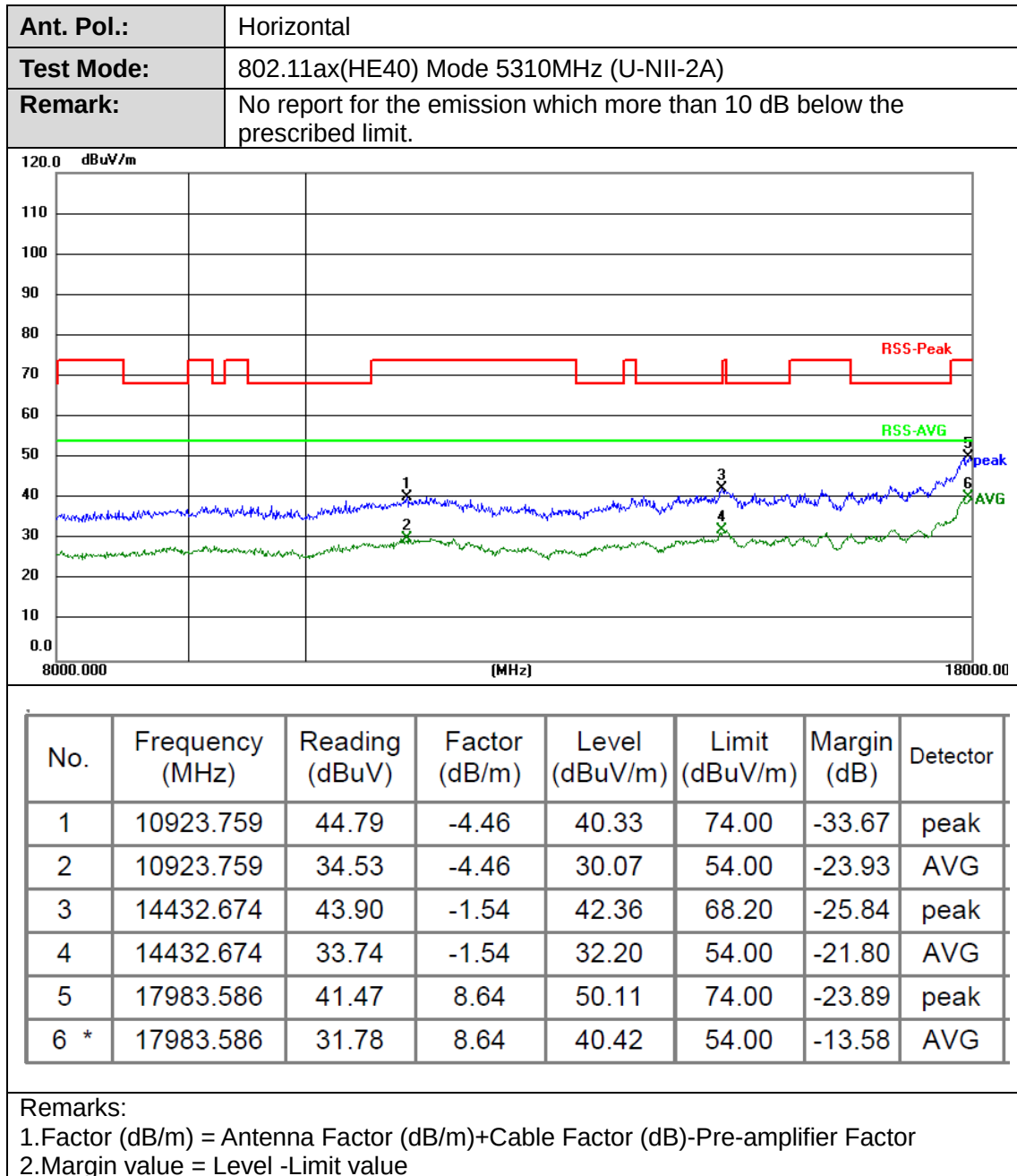


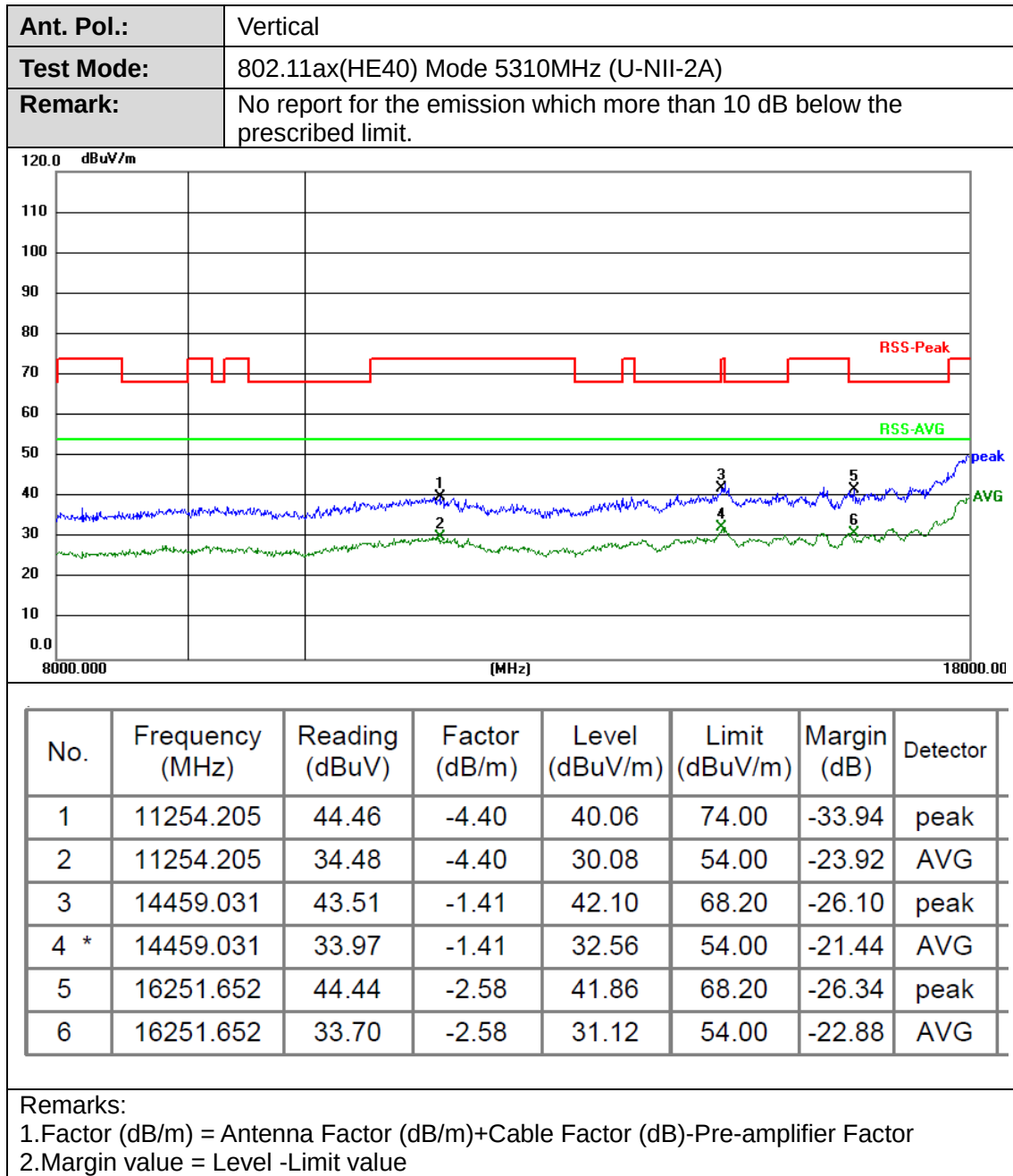


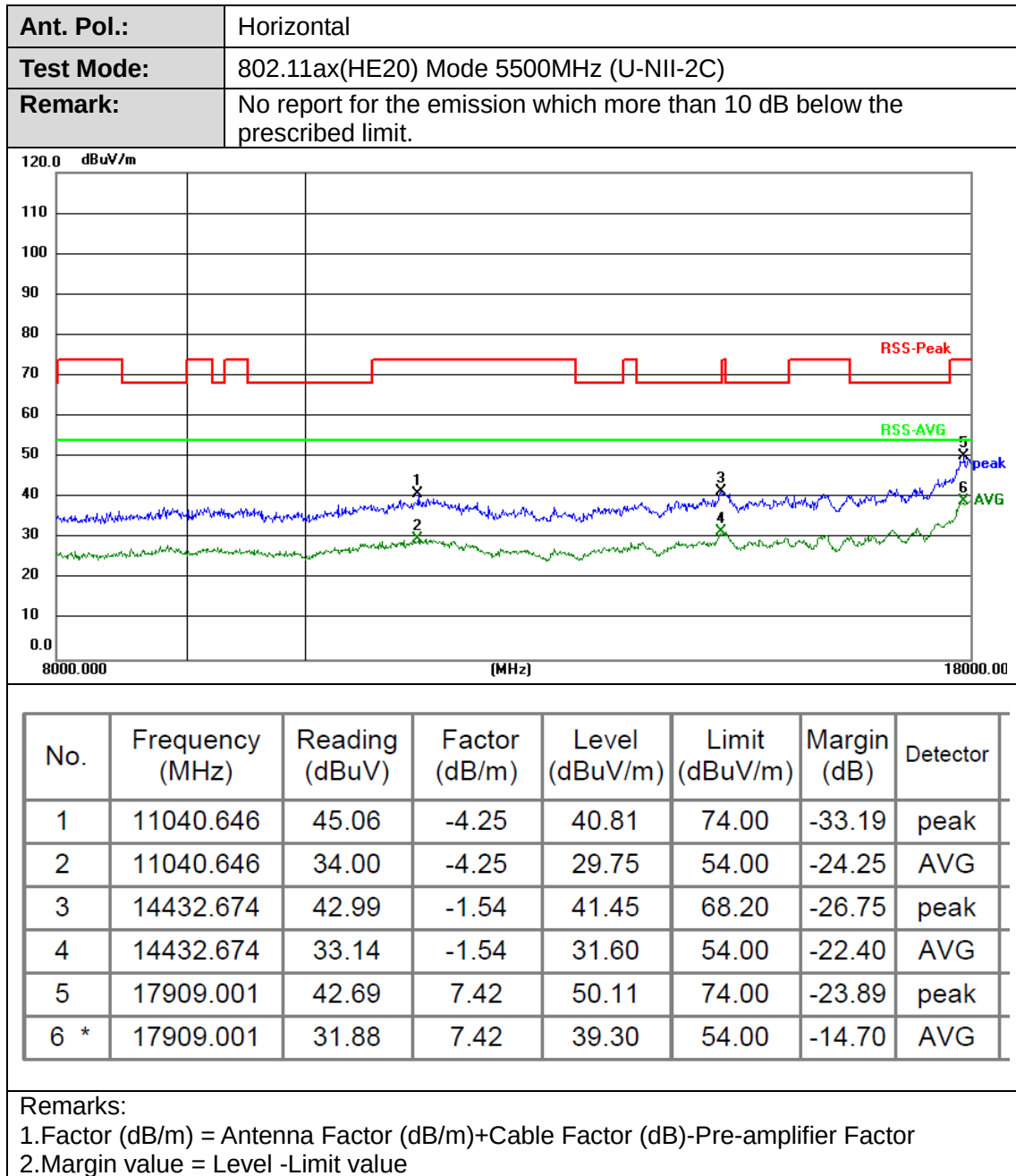


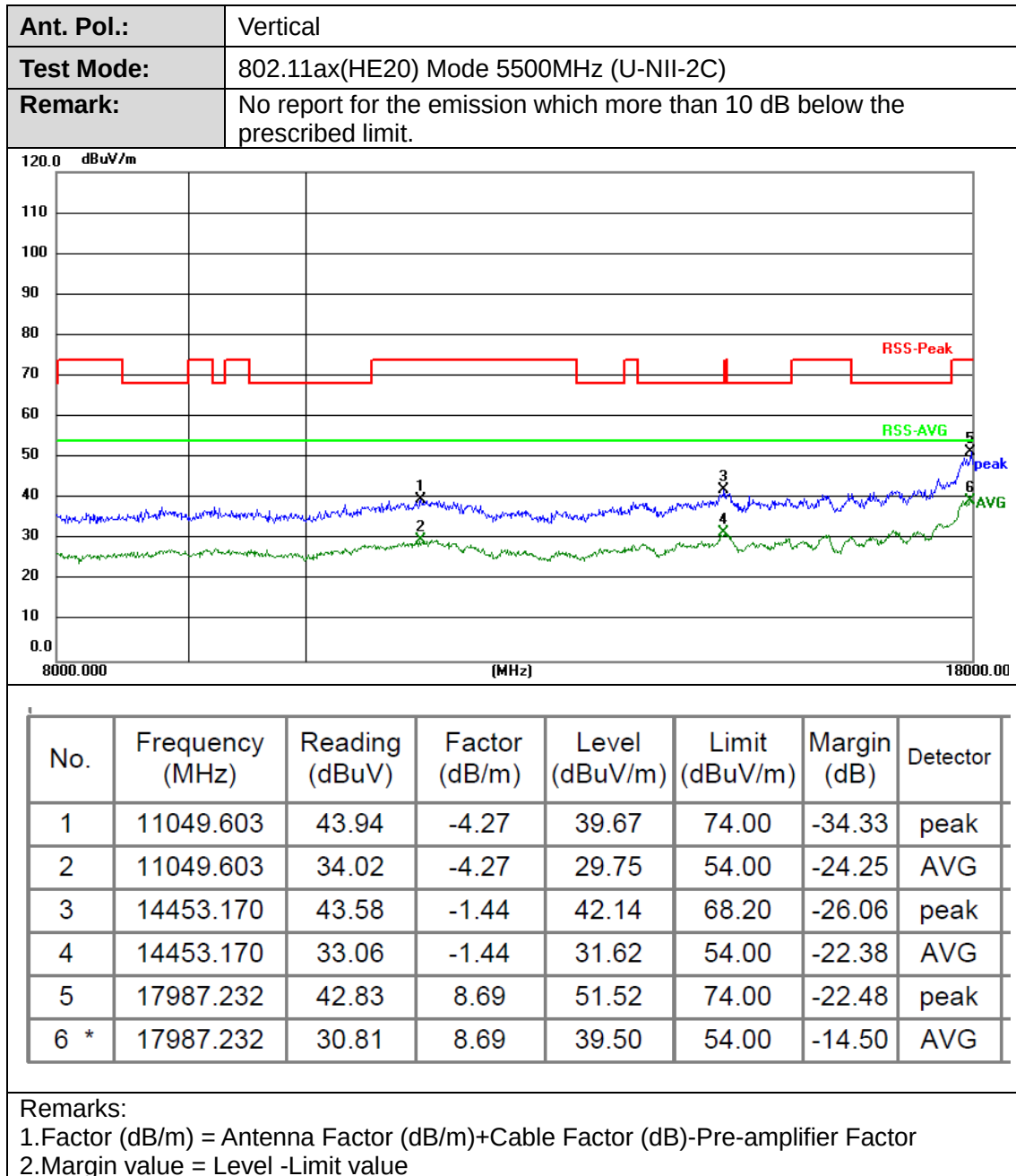


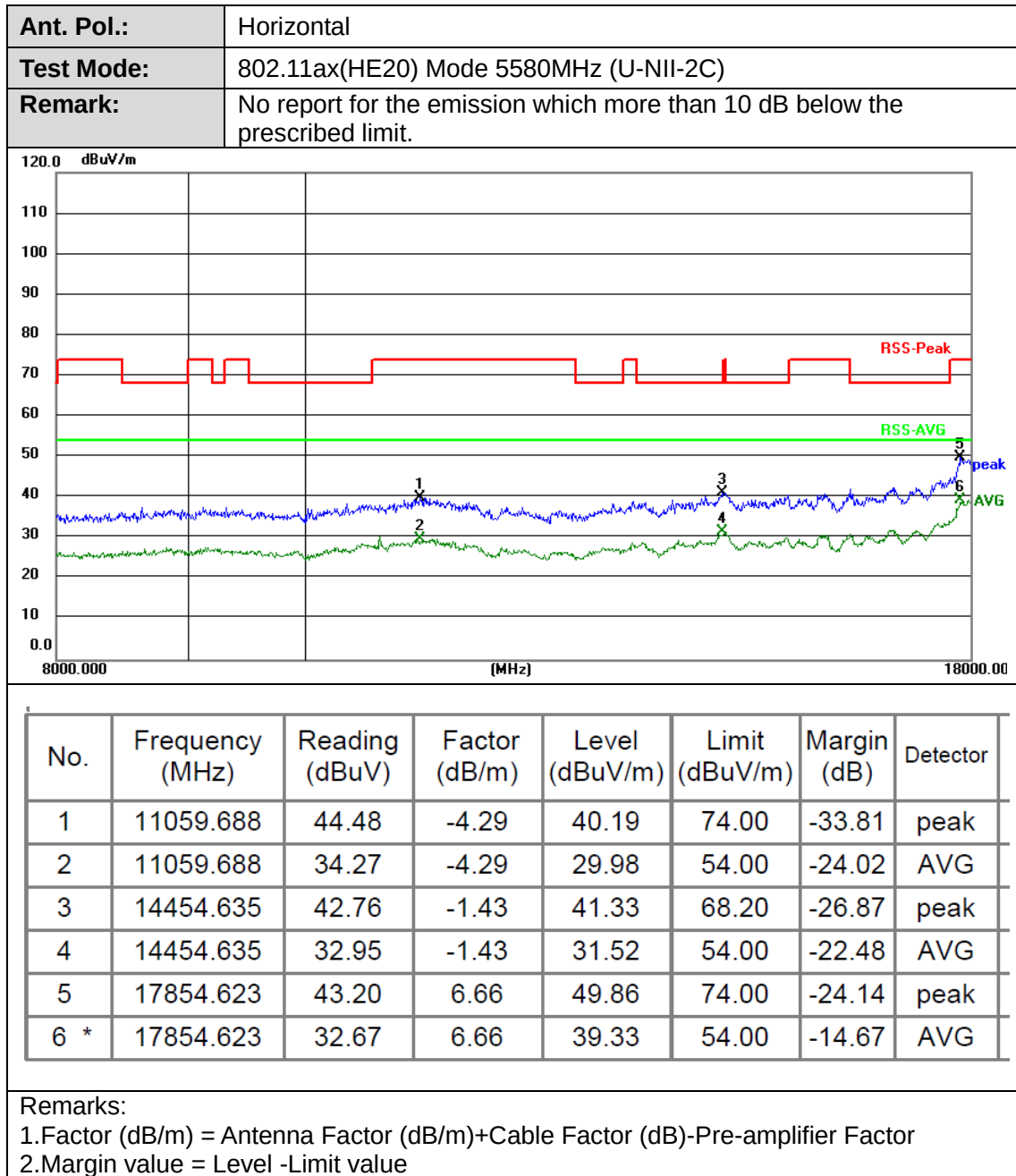


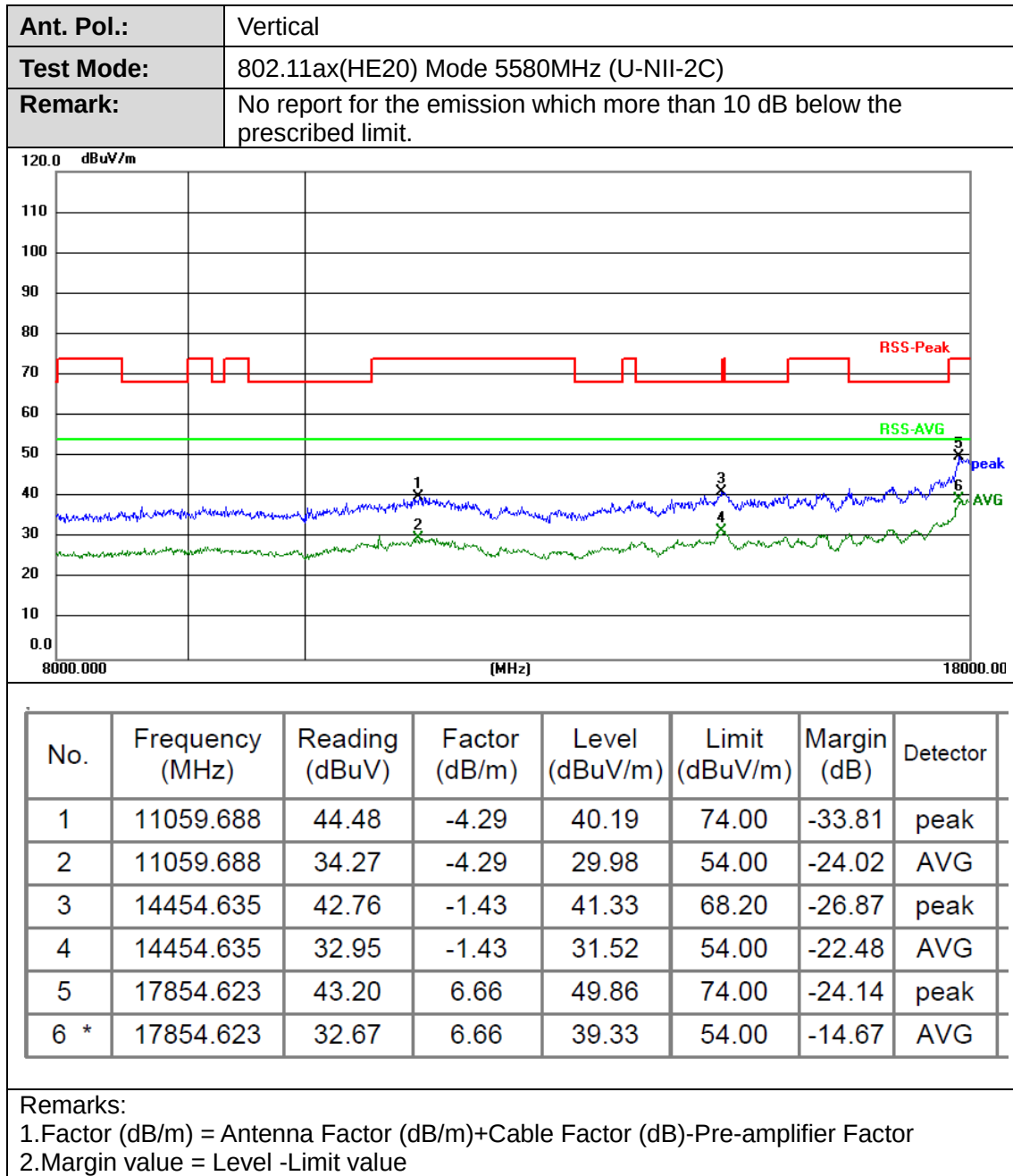


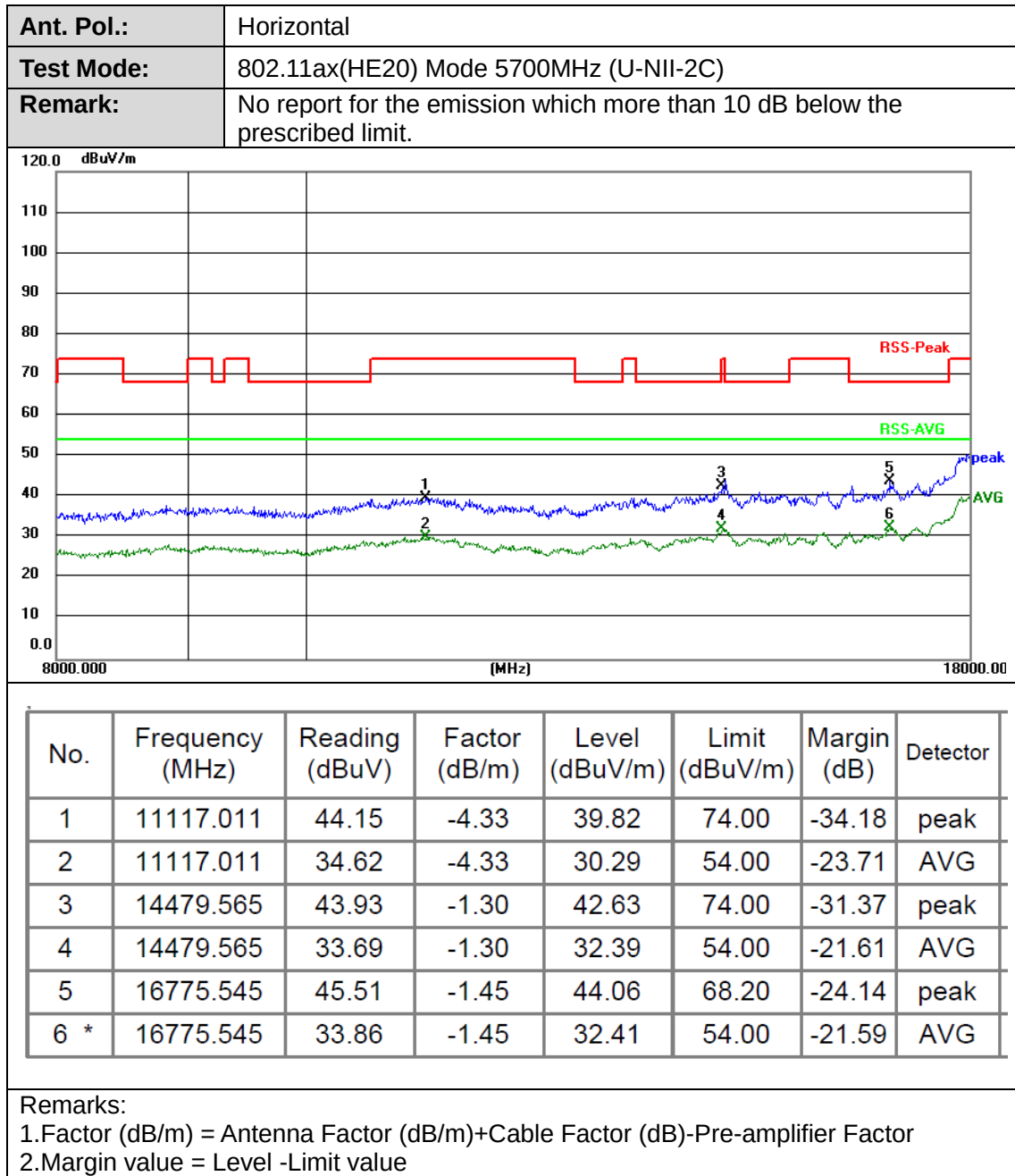


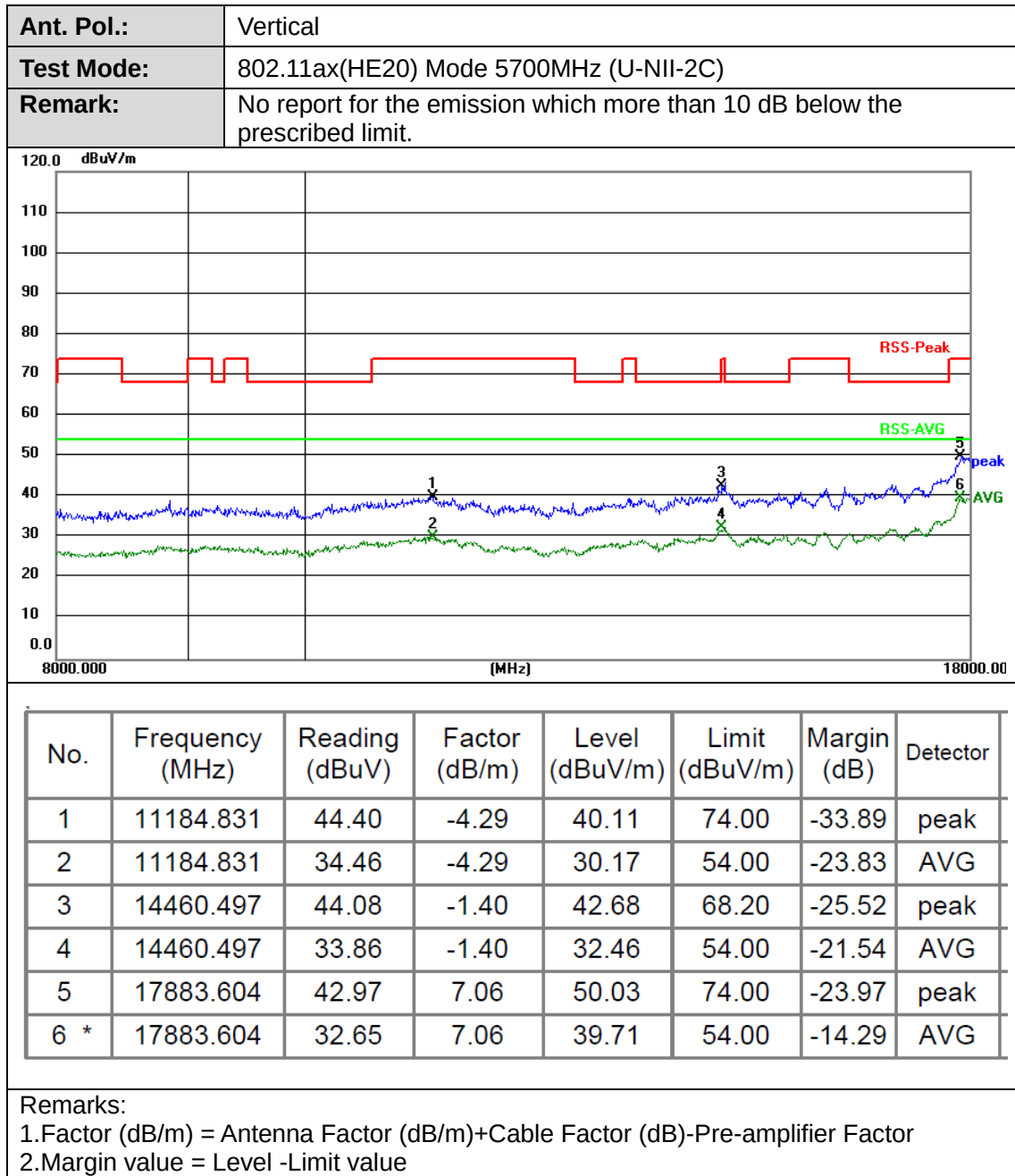


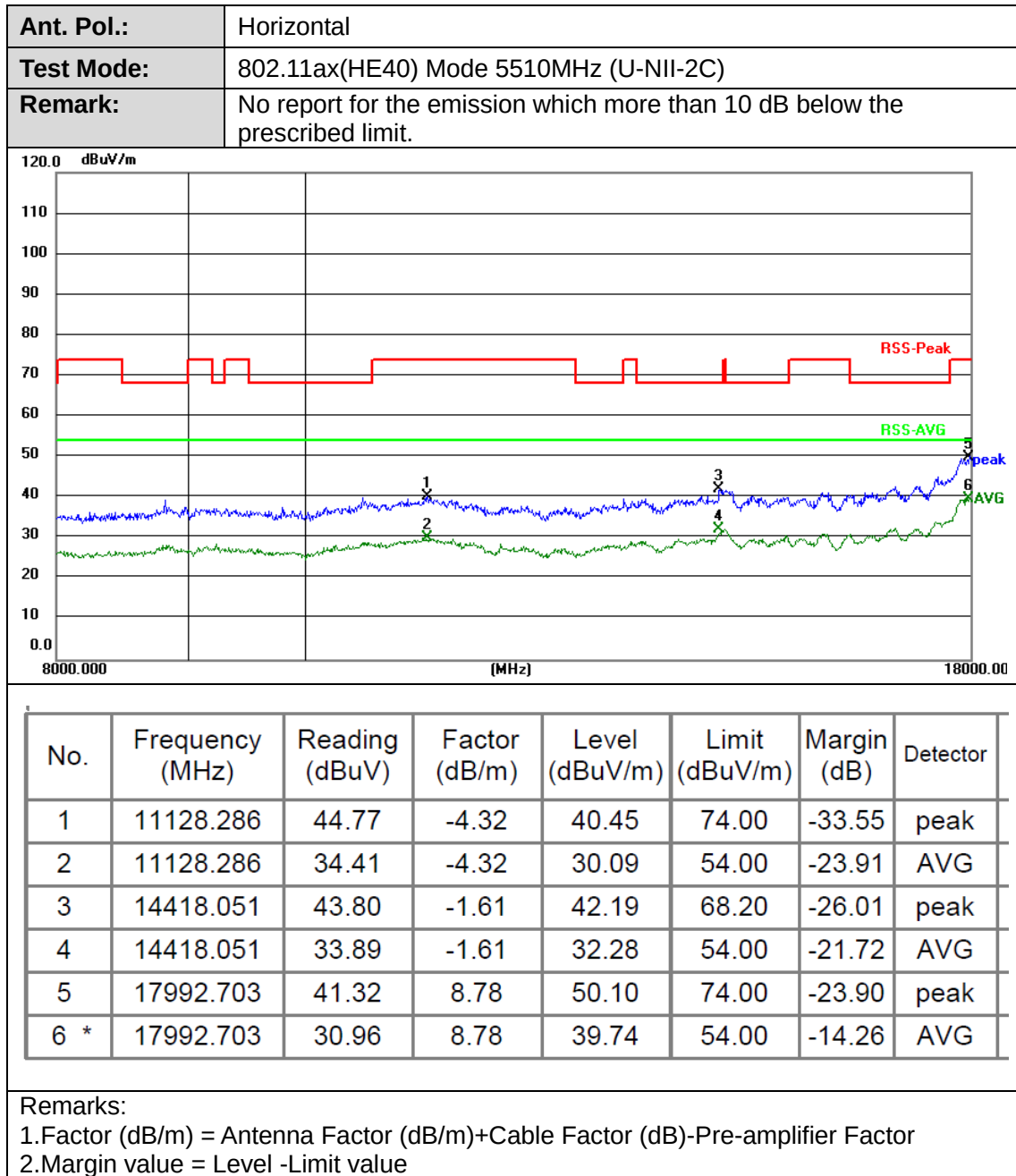


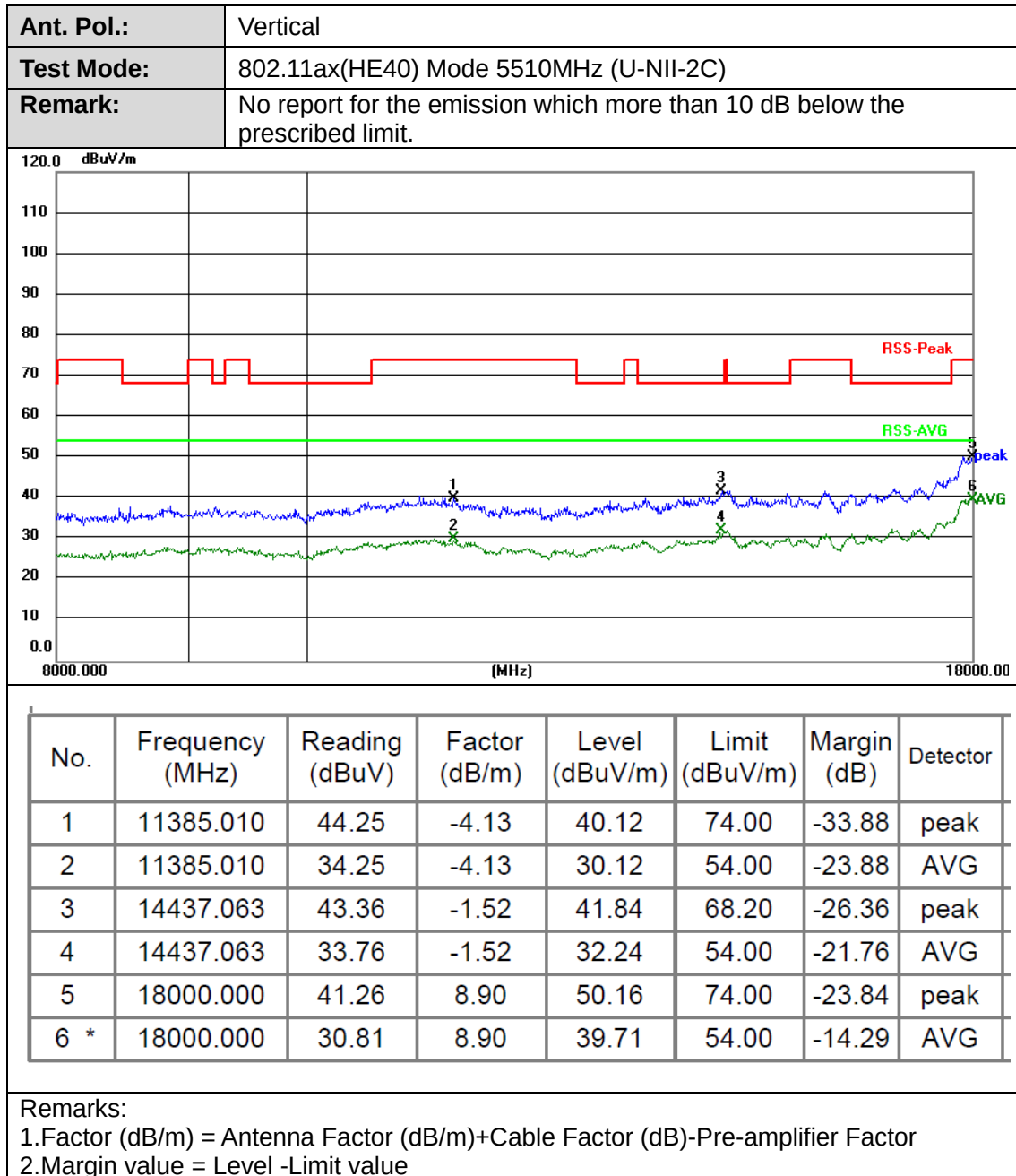


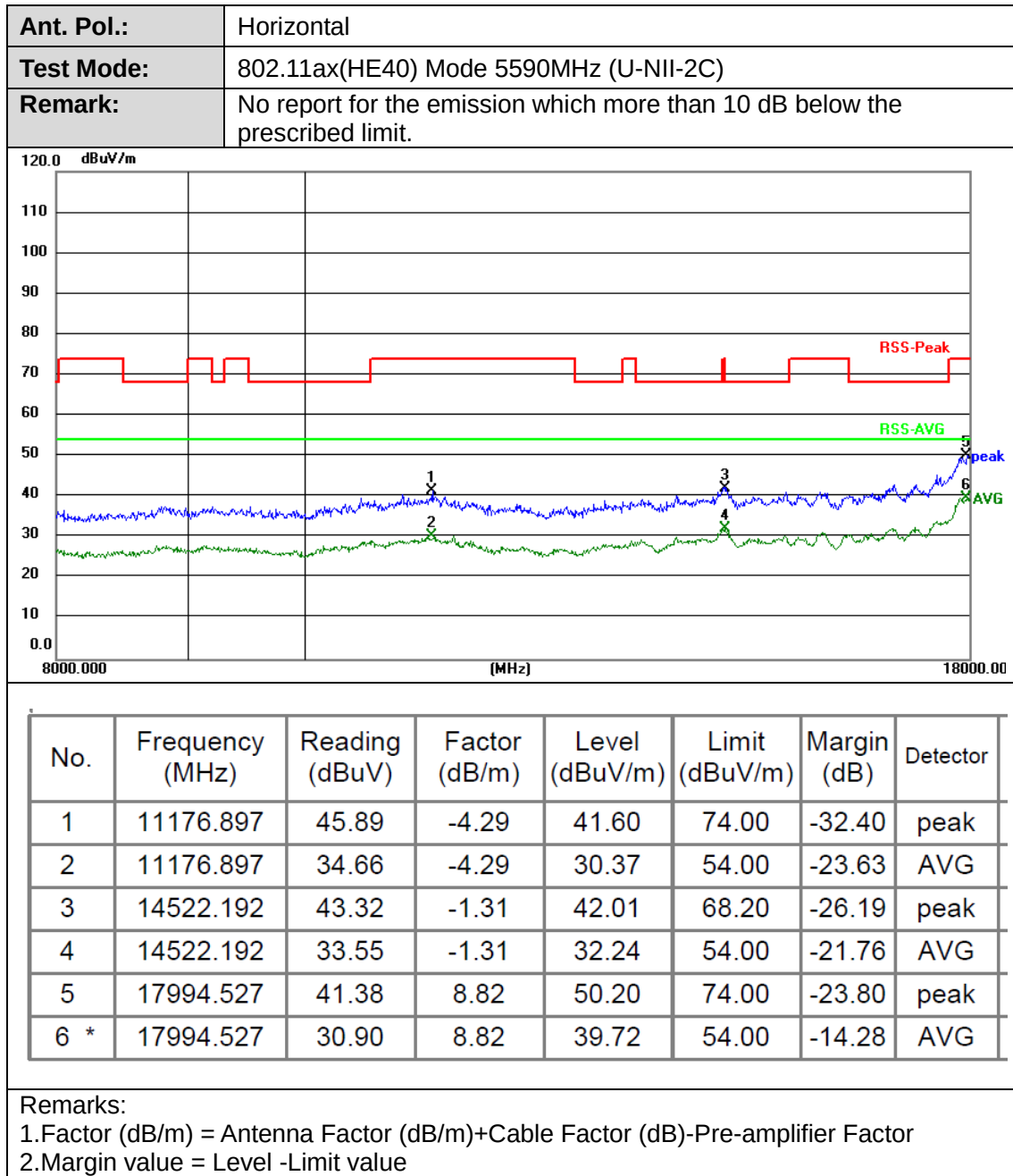


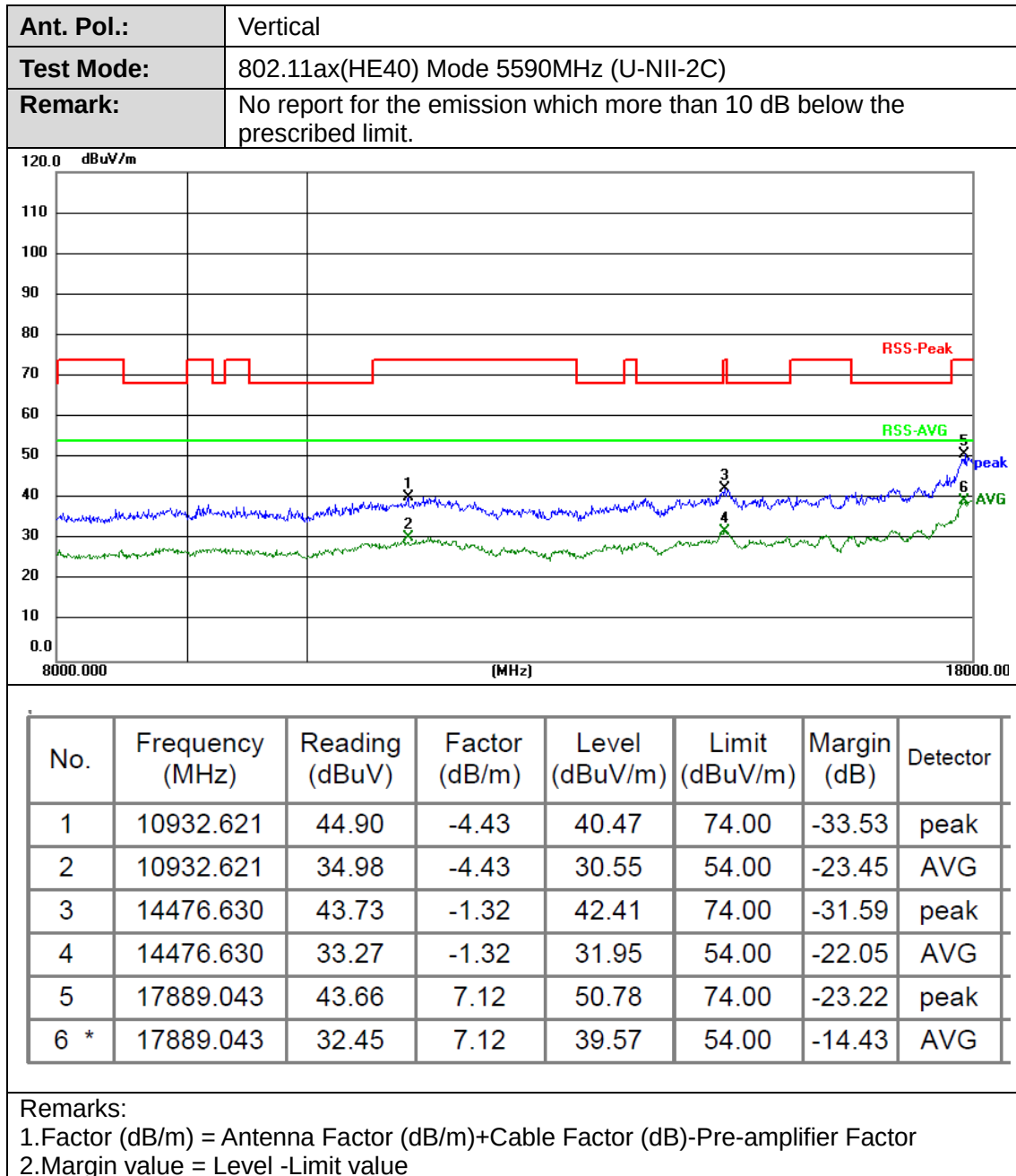


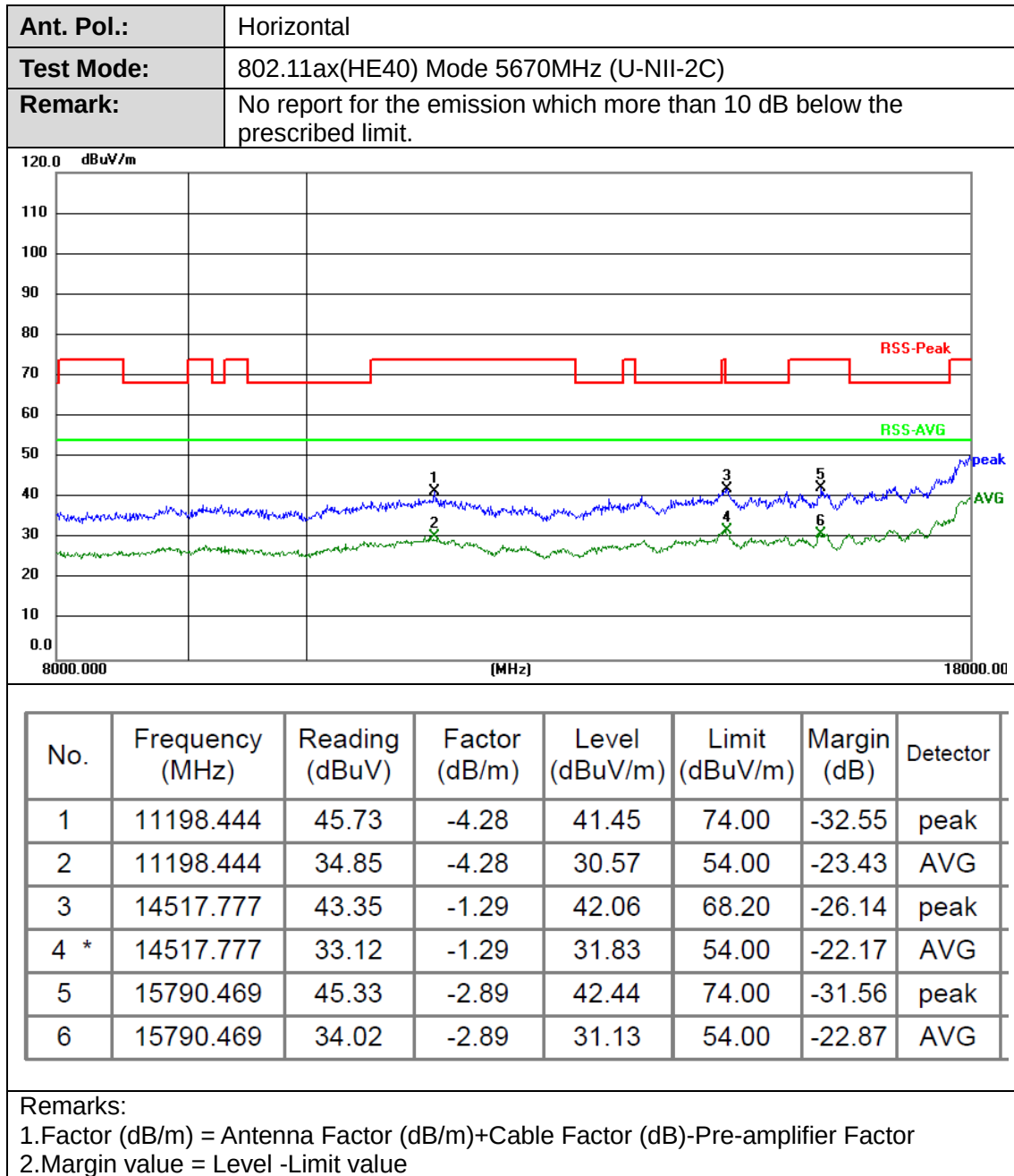


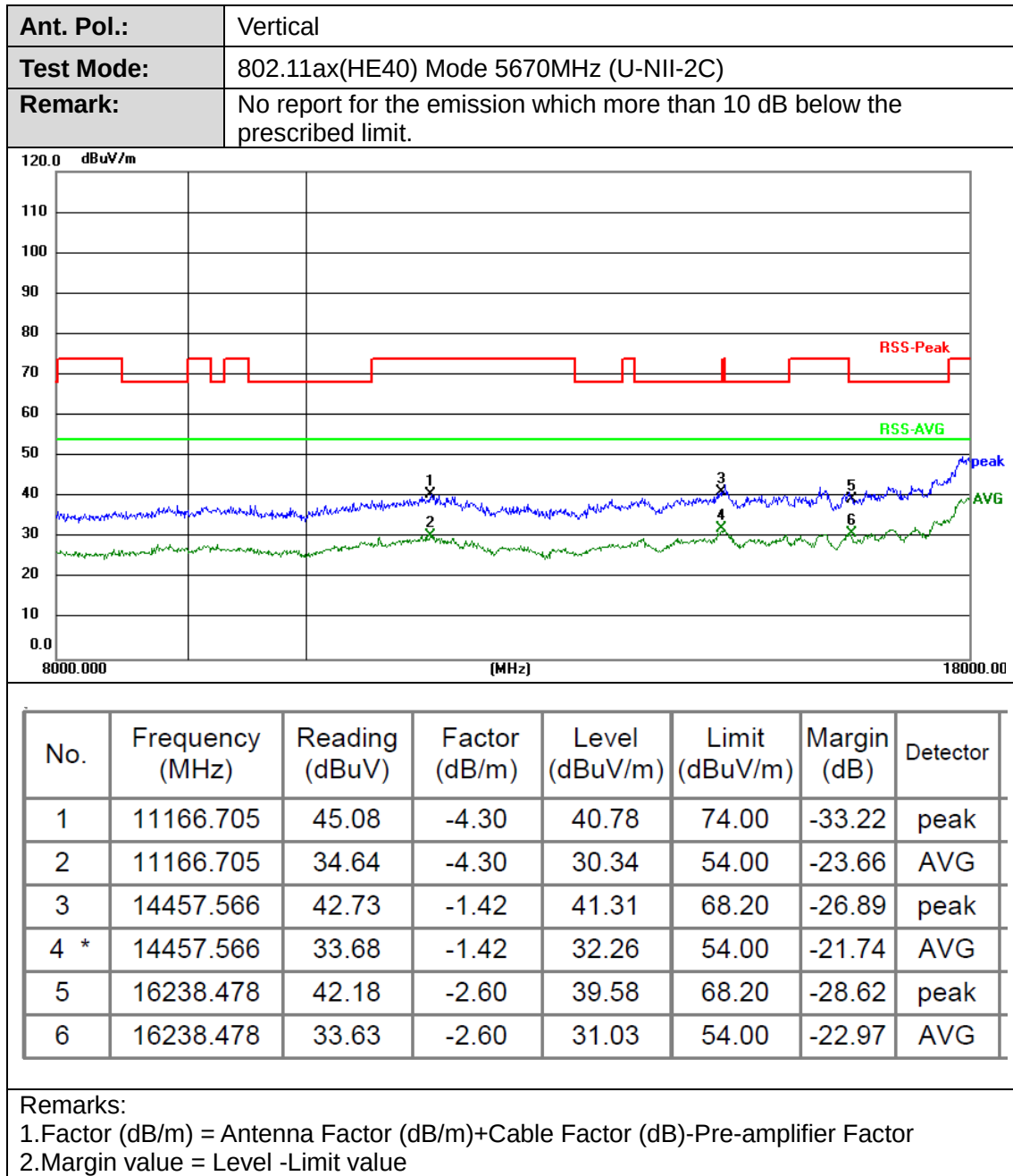


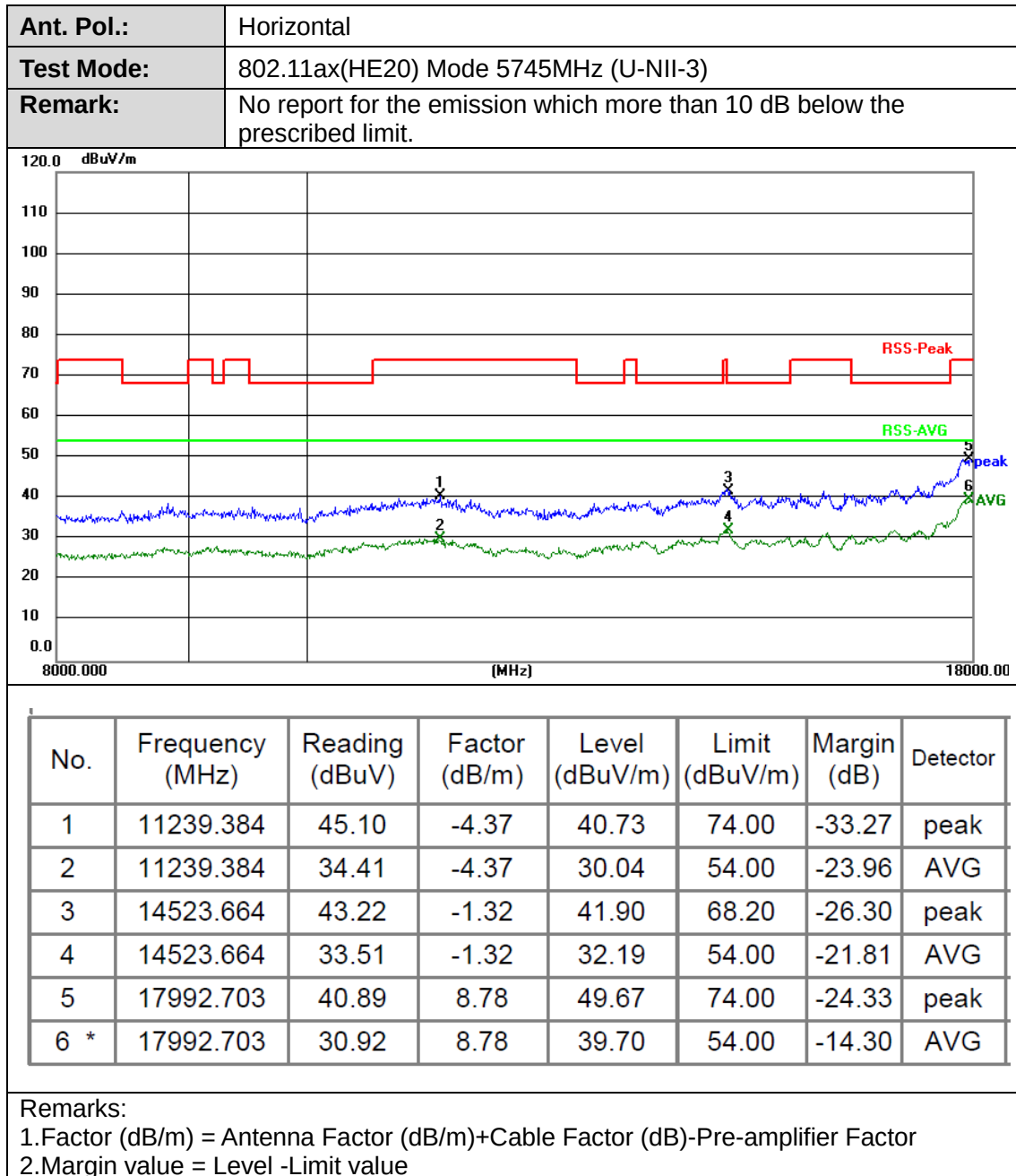


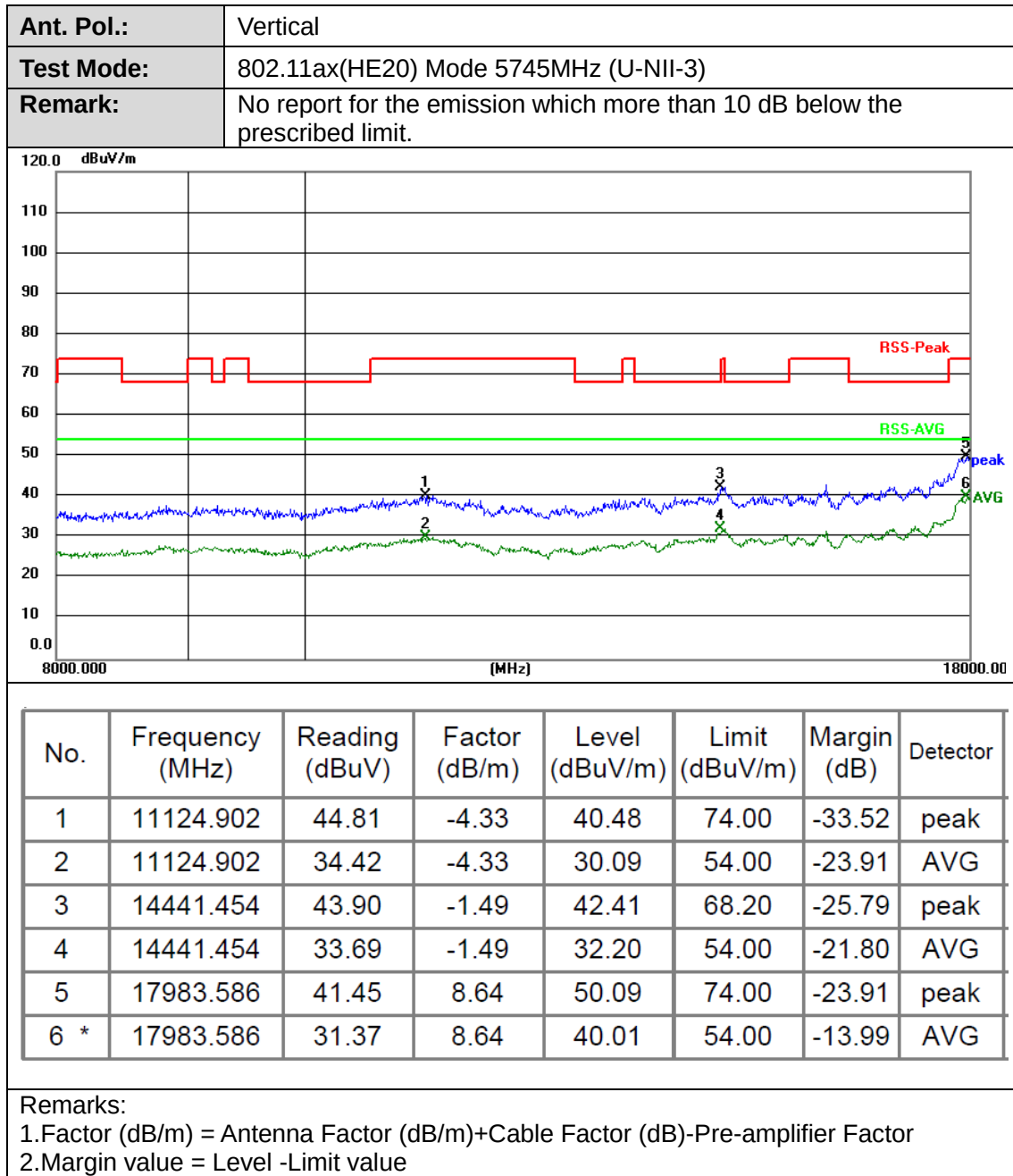


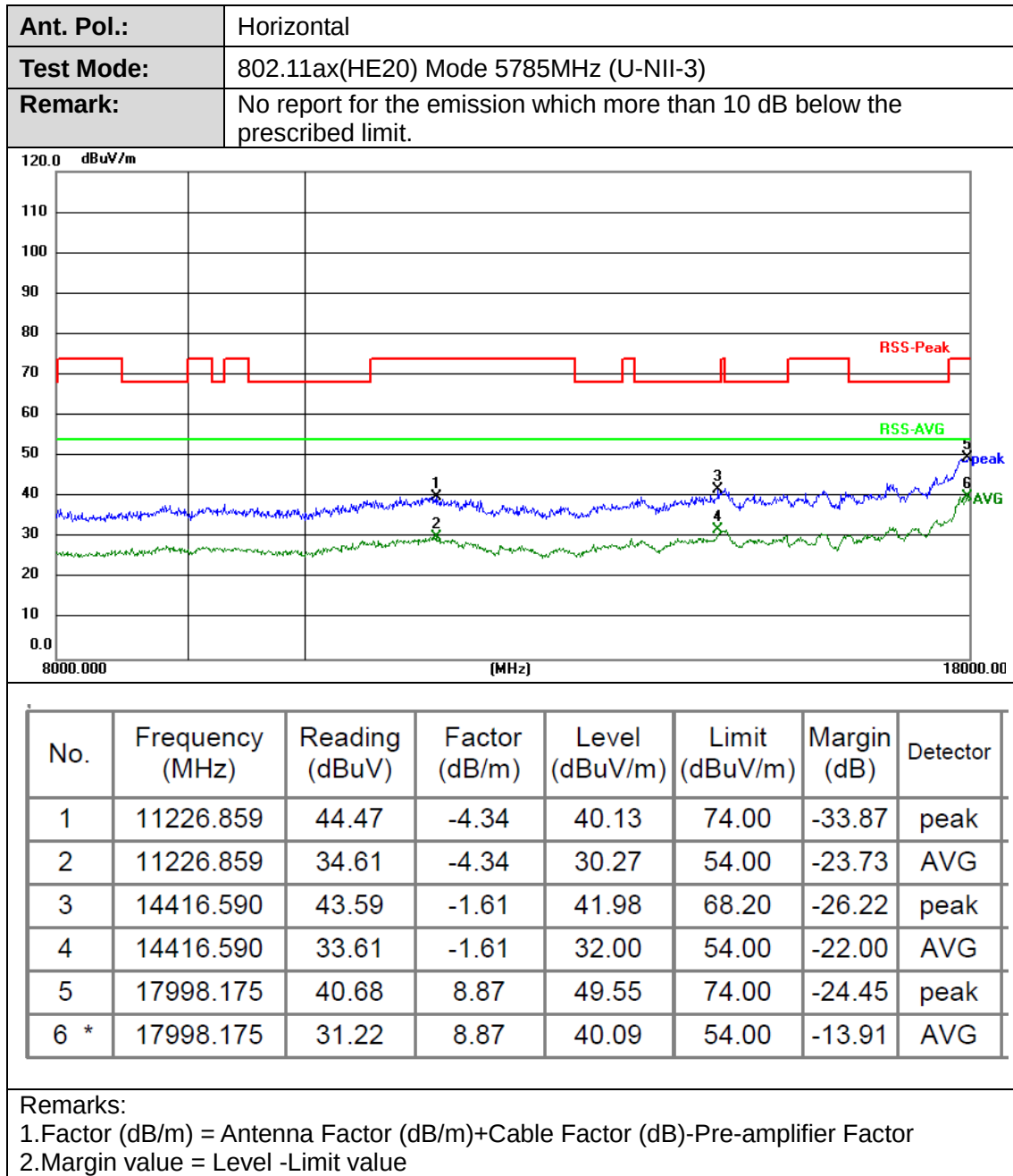


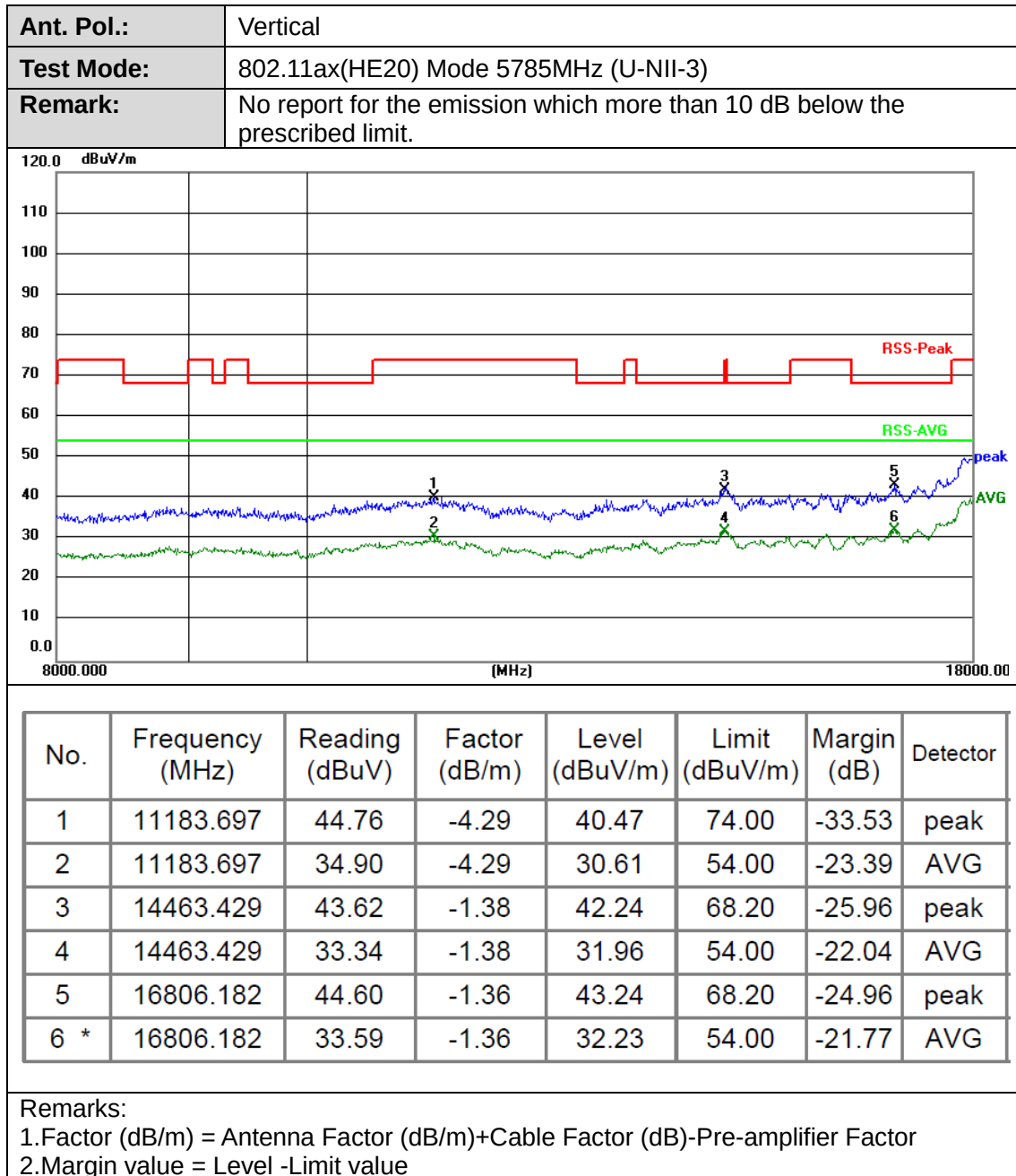


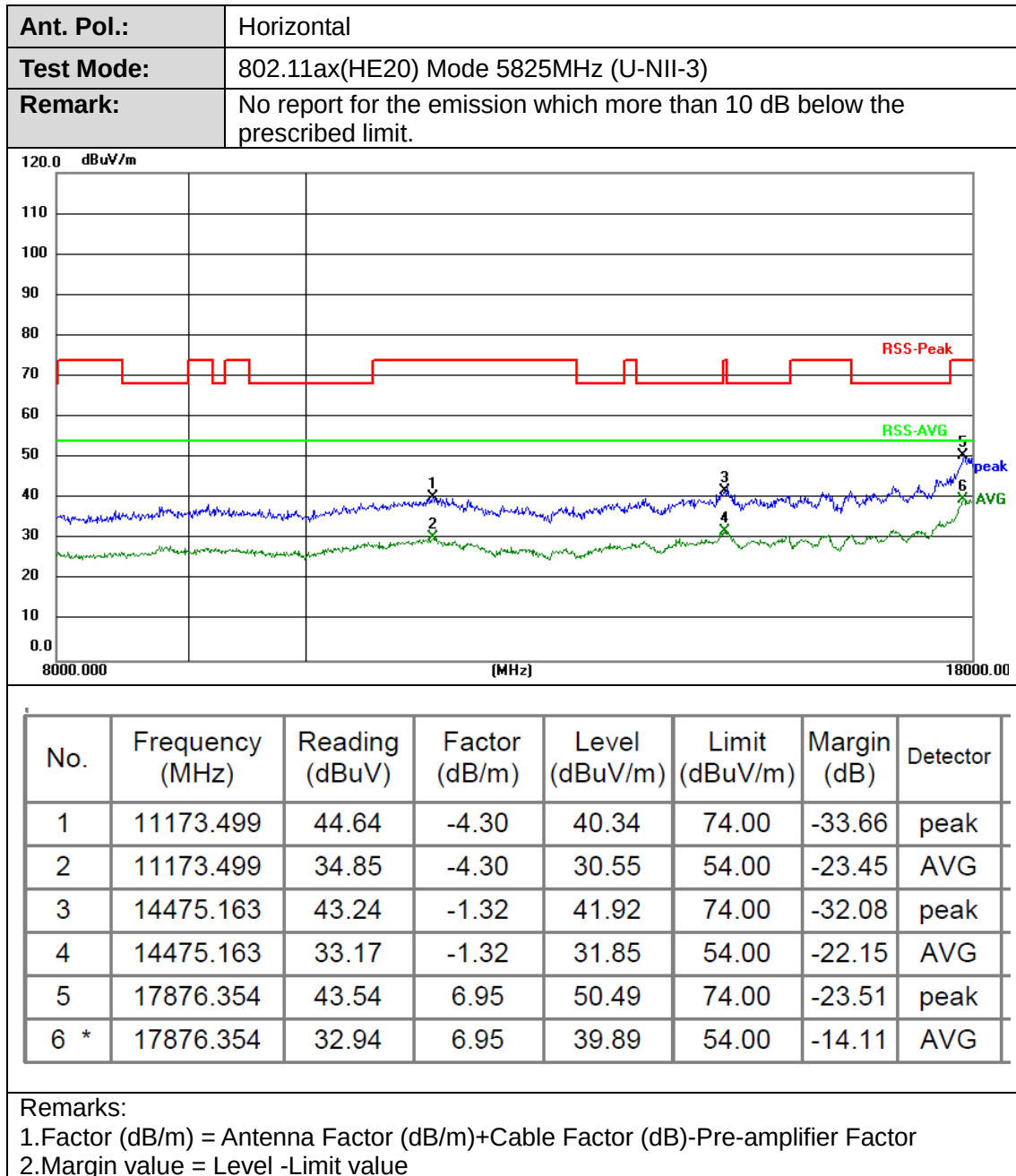


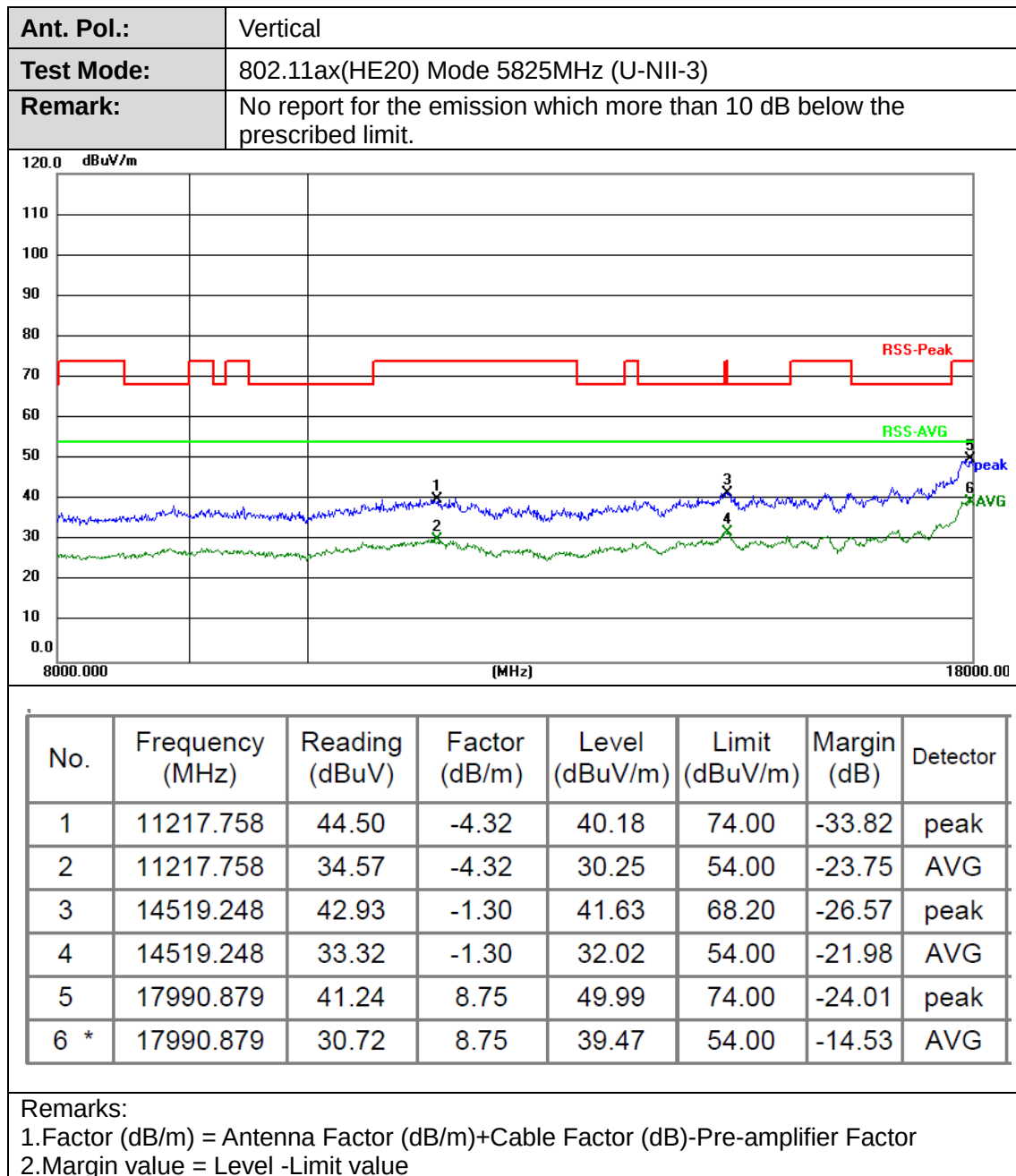


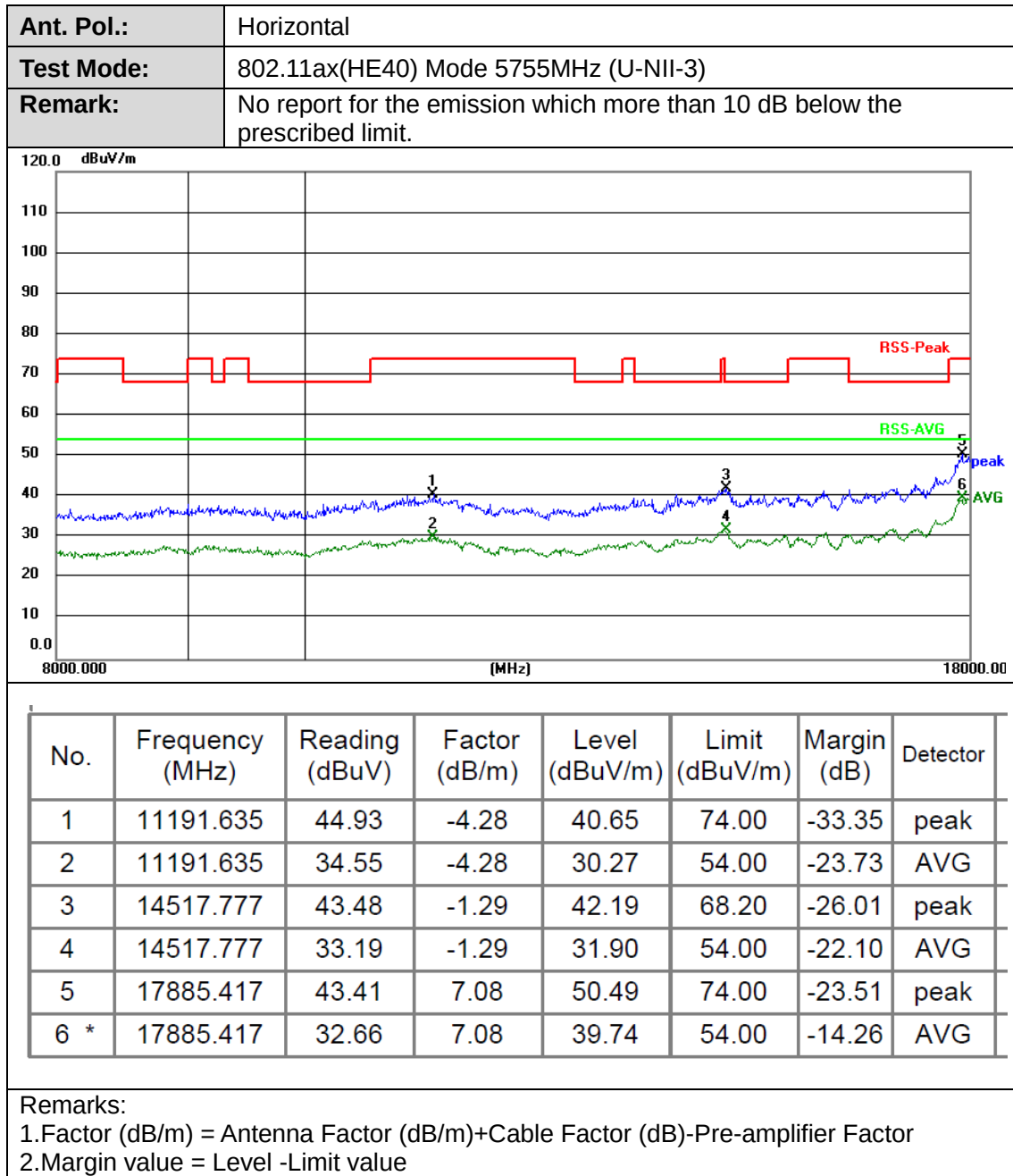


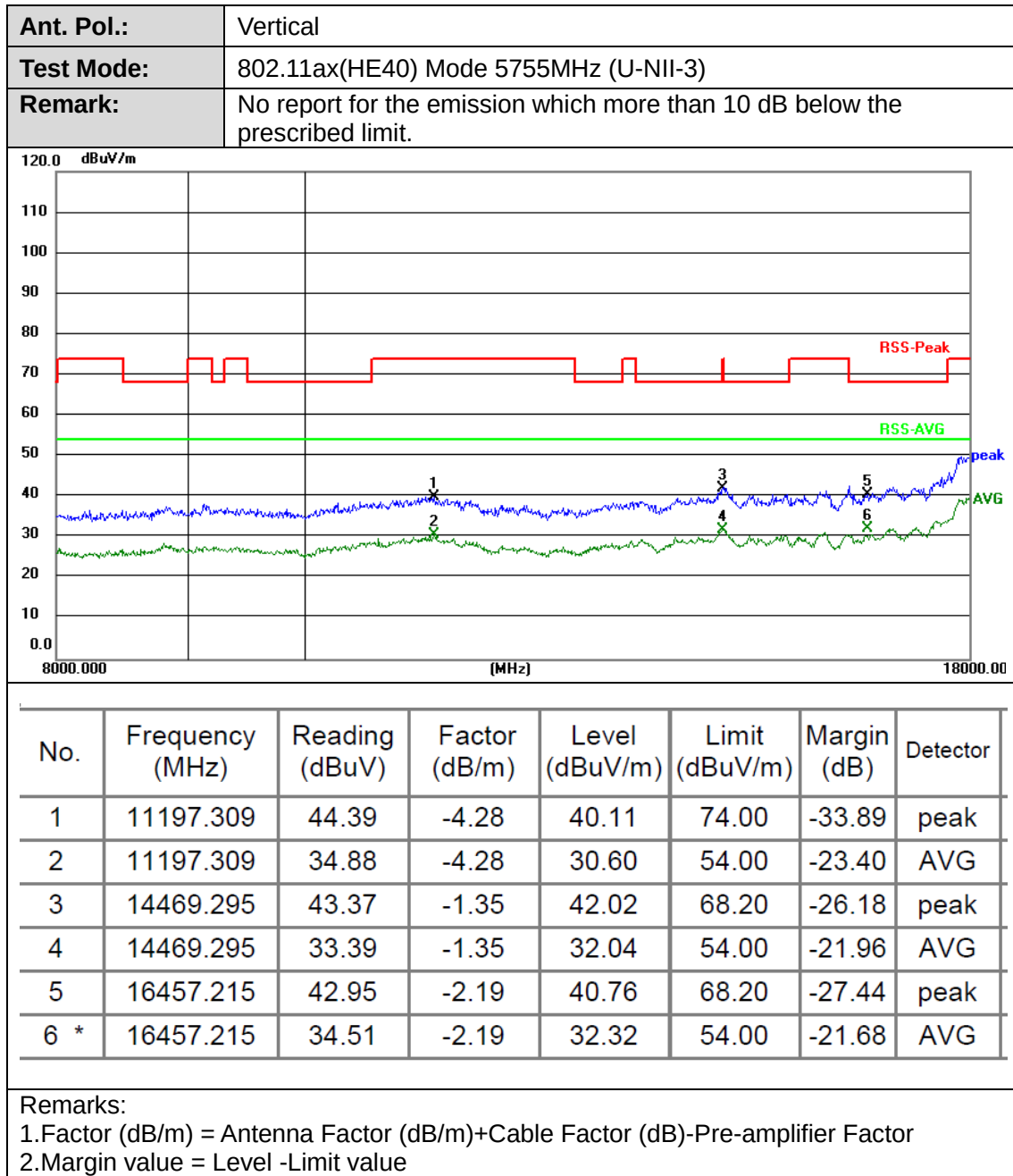


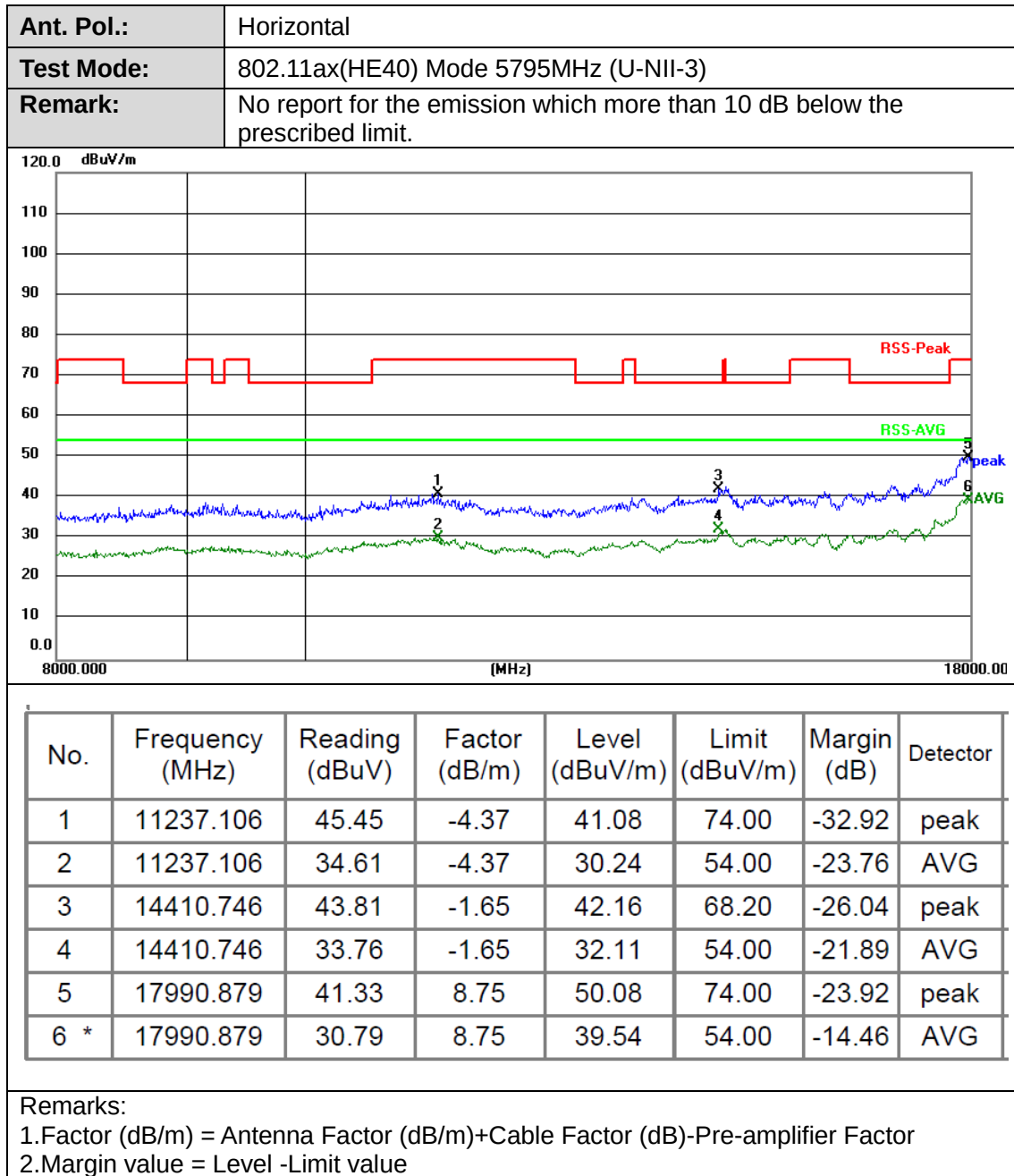


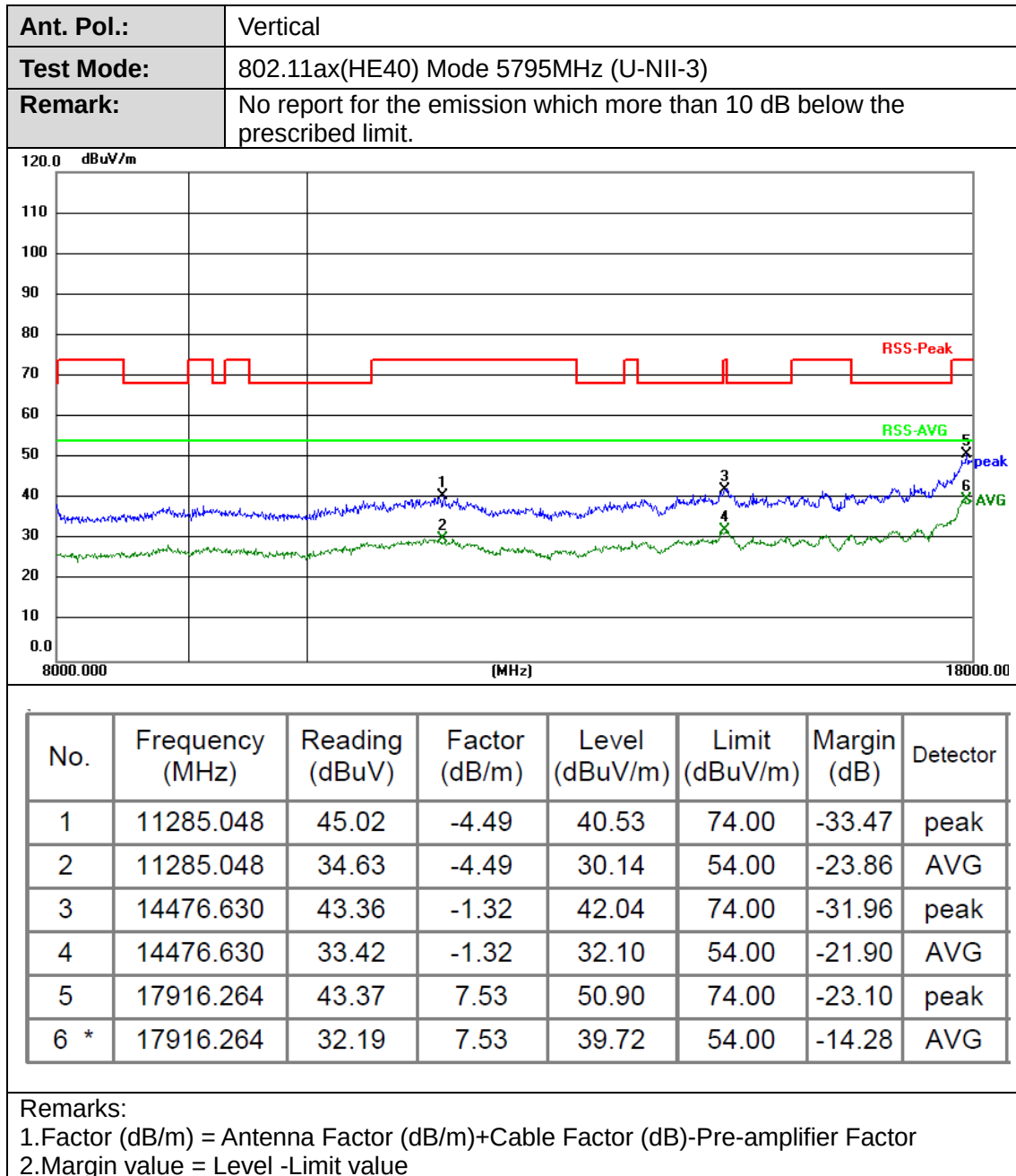






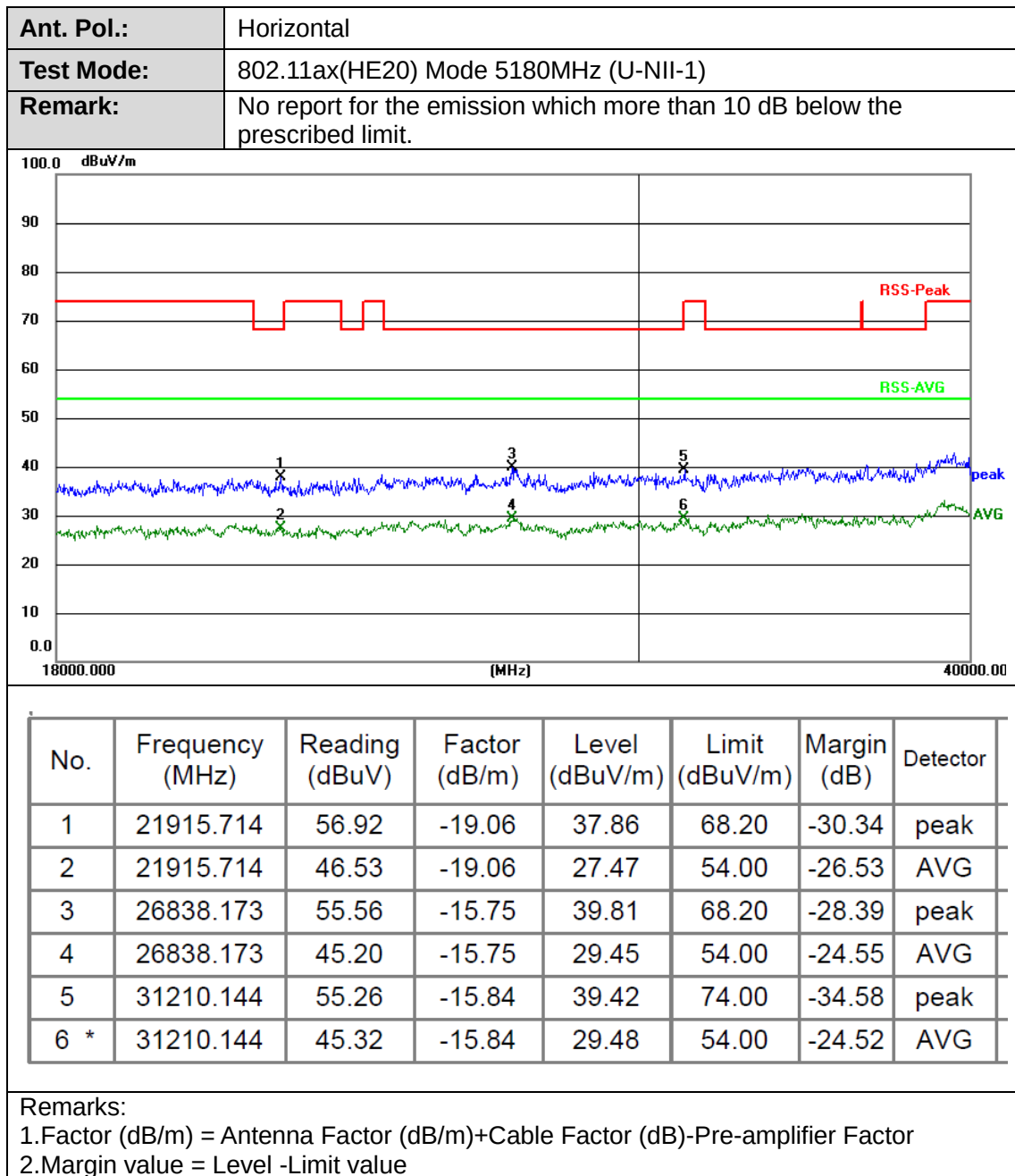


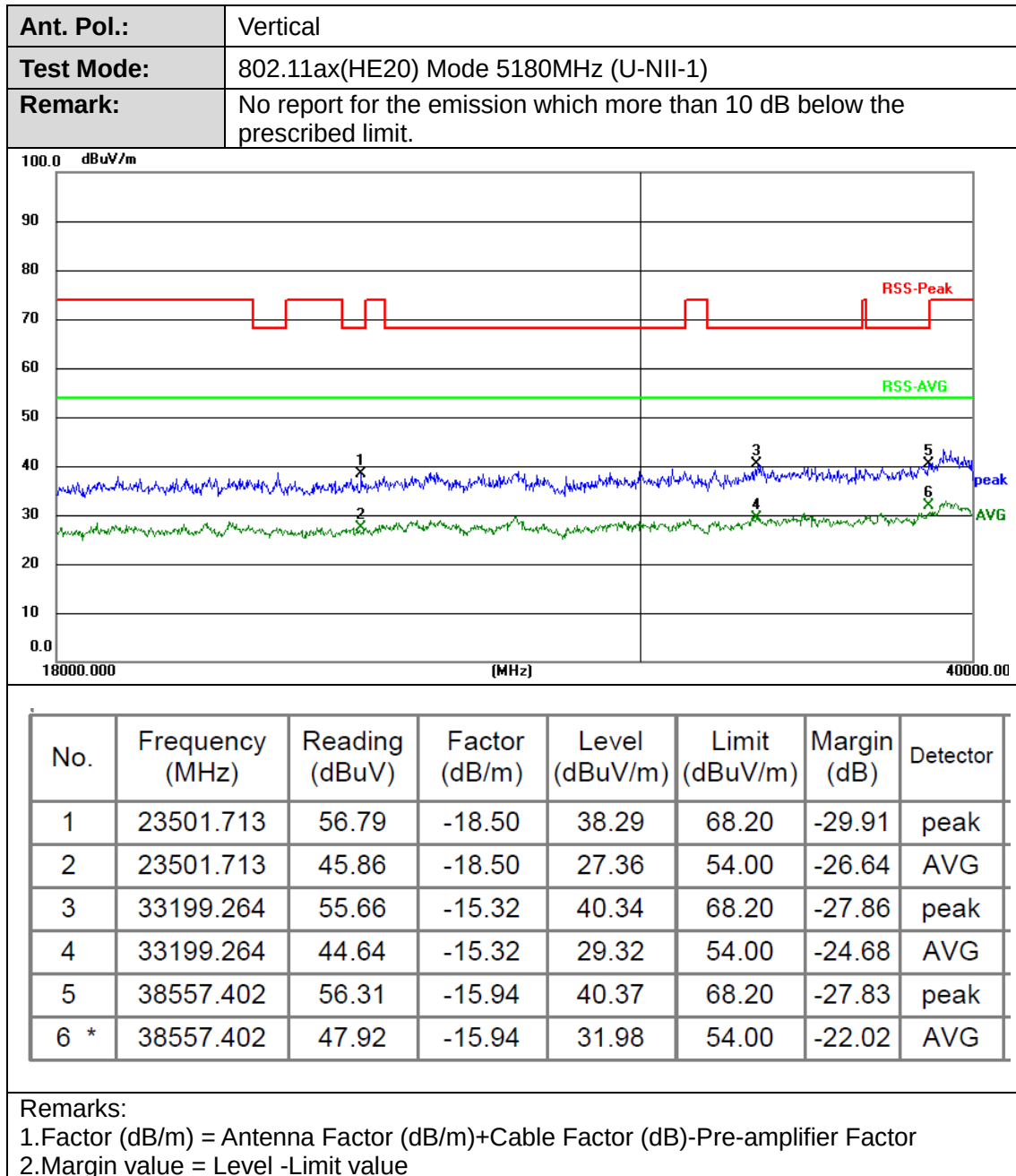


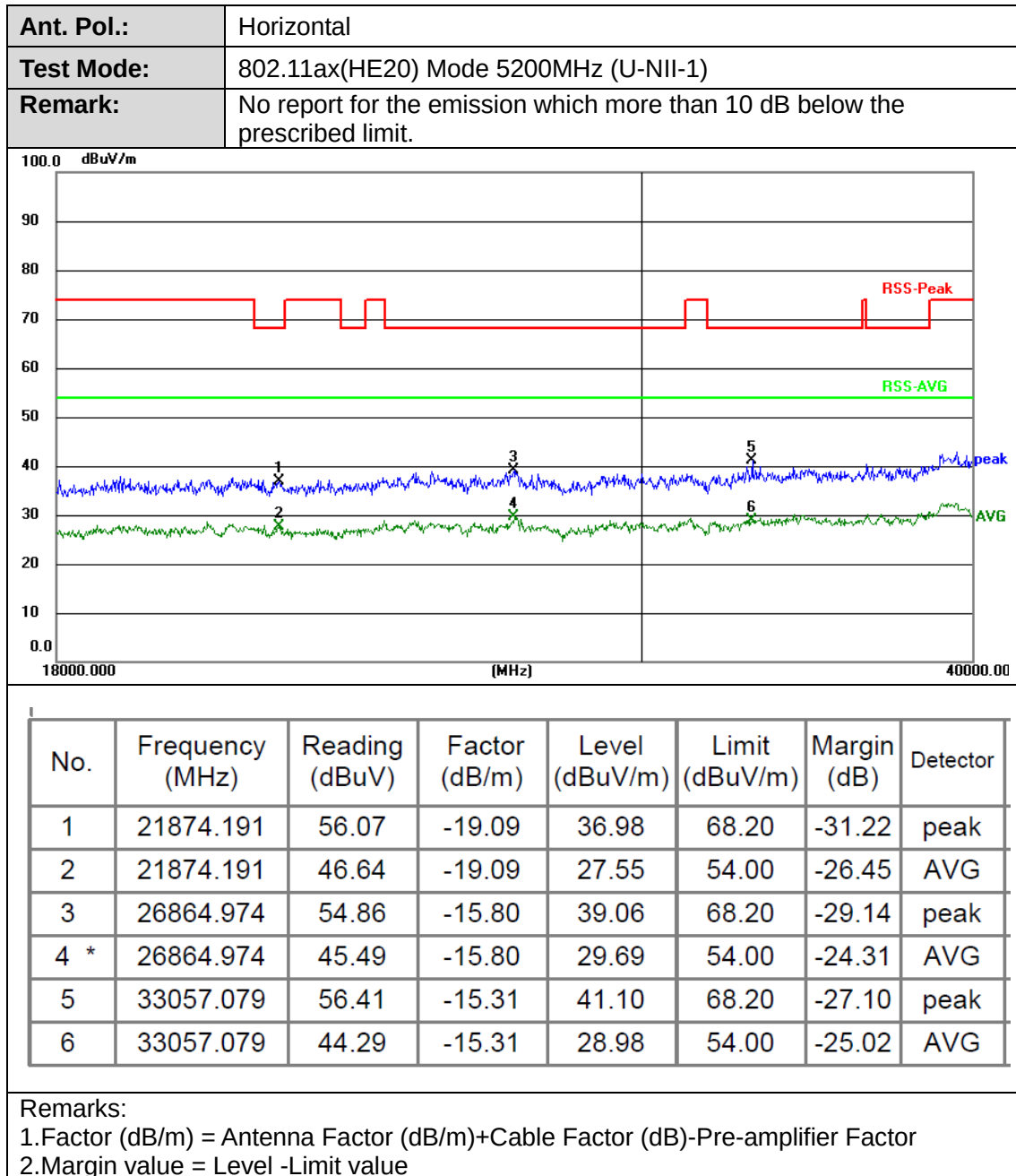


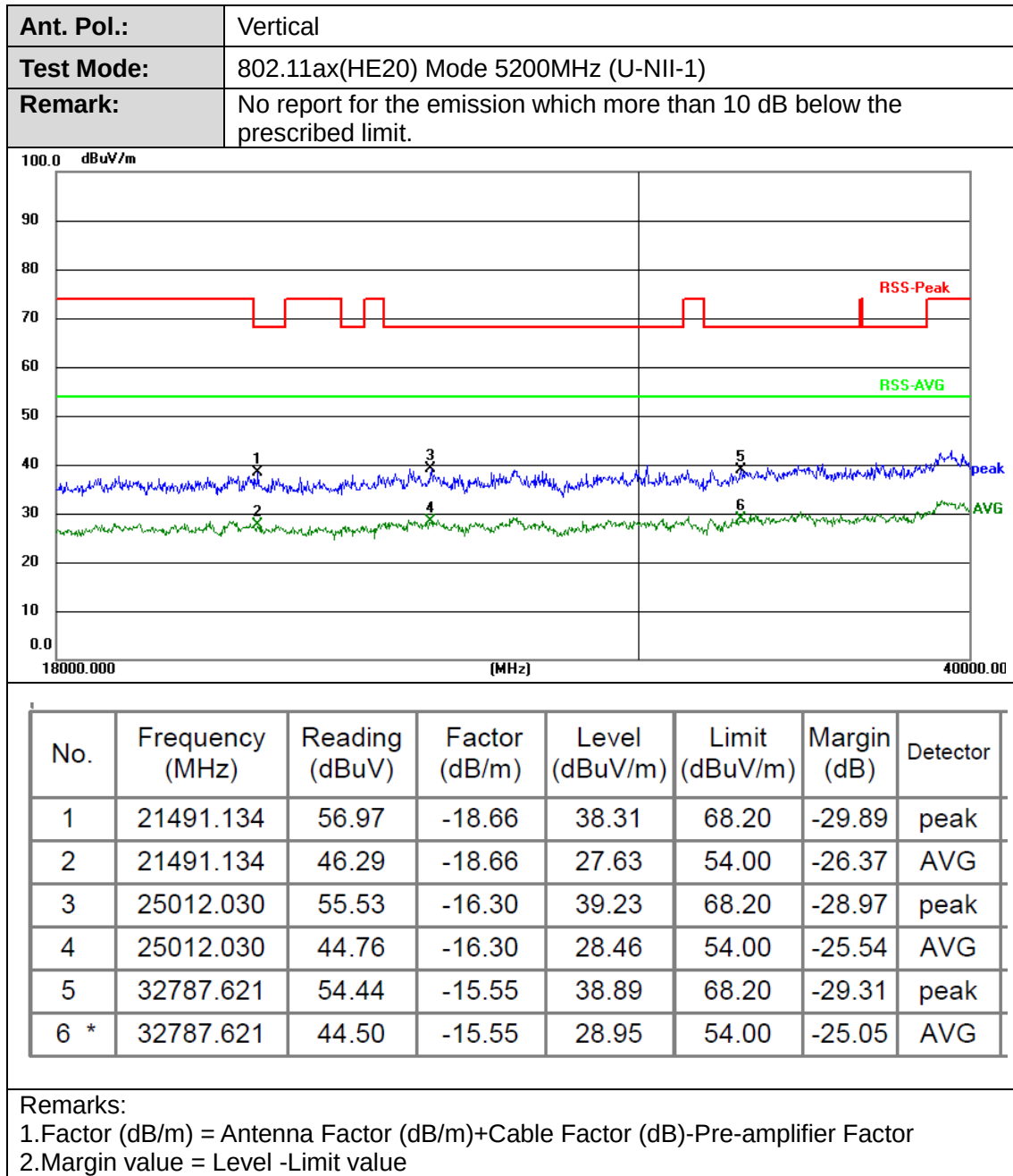


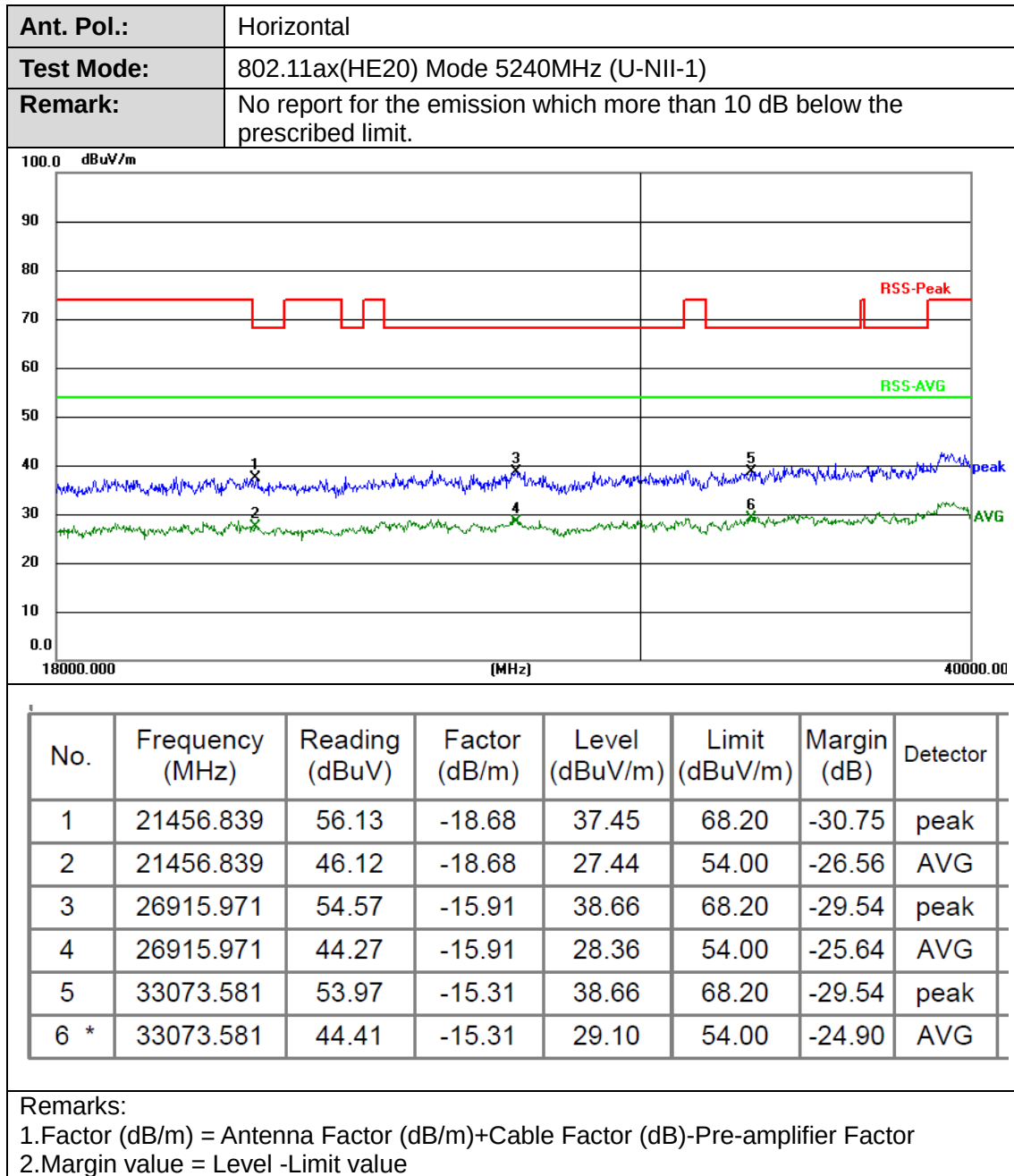
18GHz ~ 40GHz

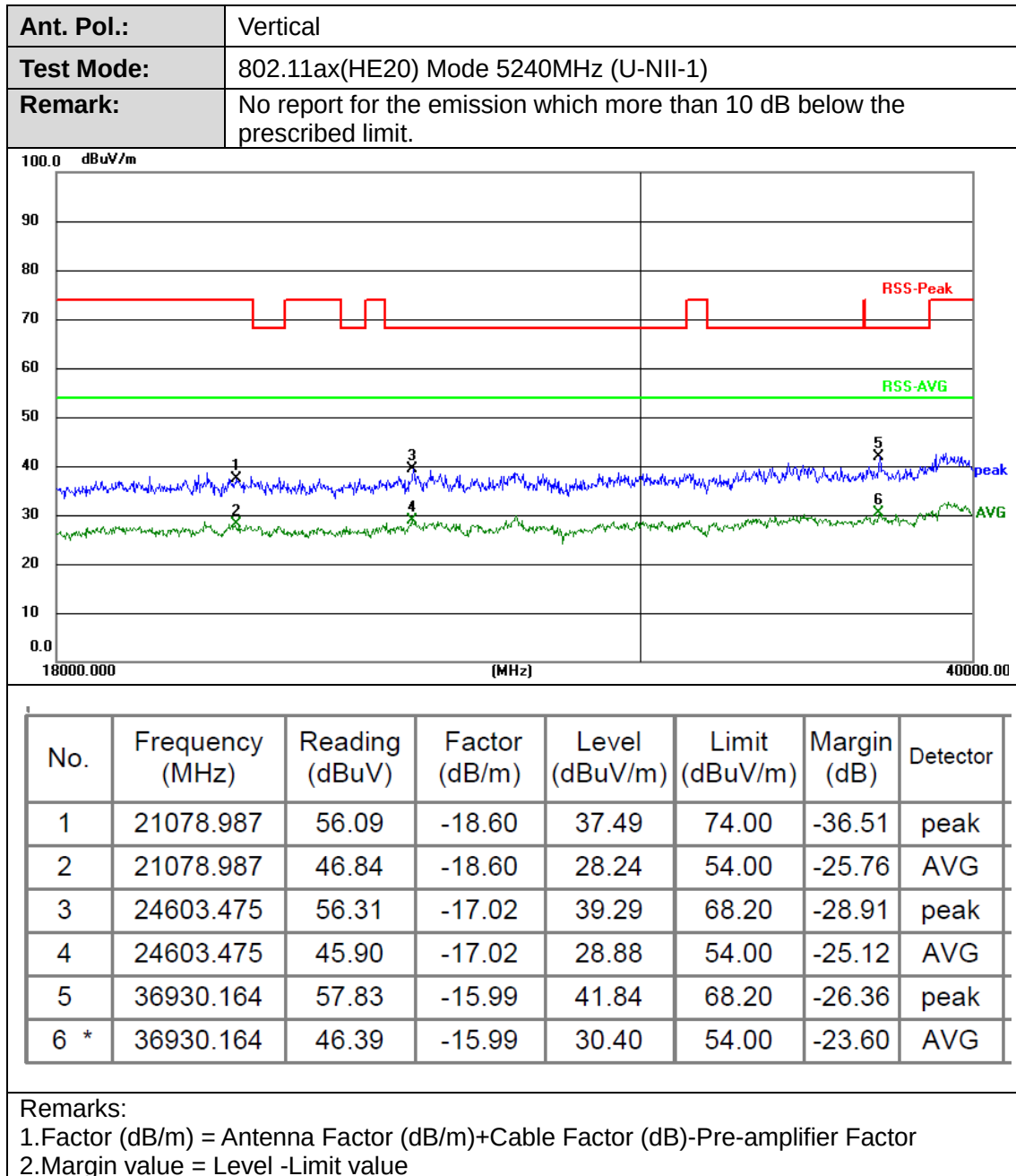






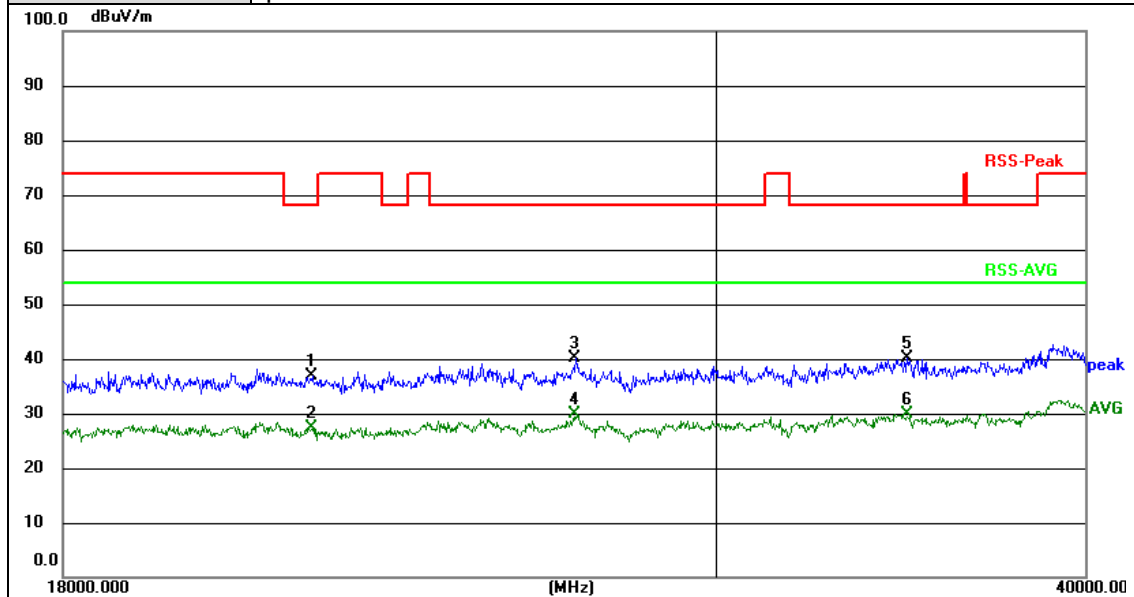








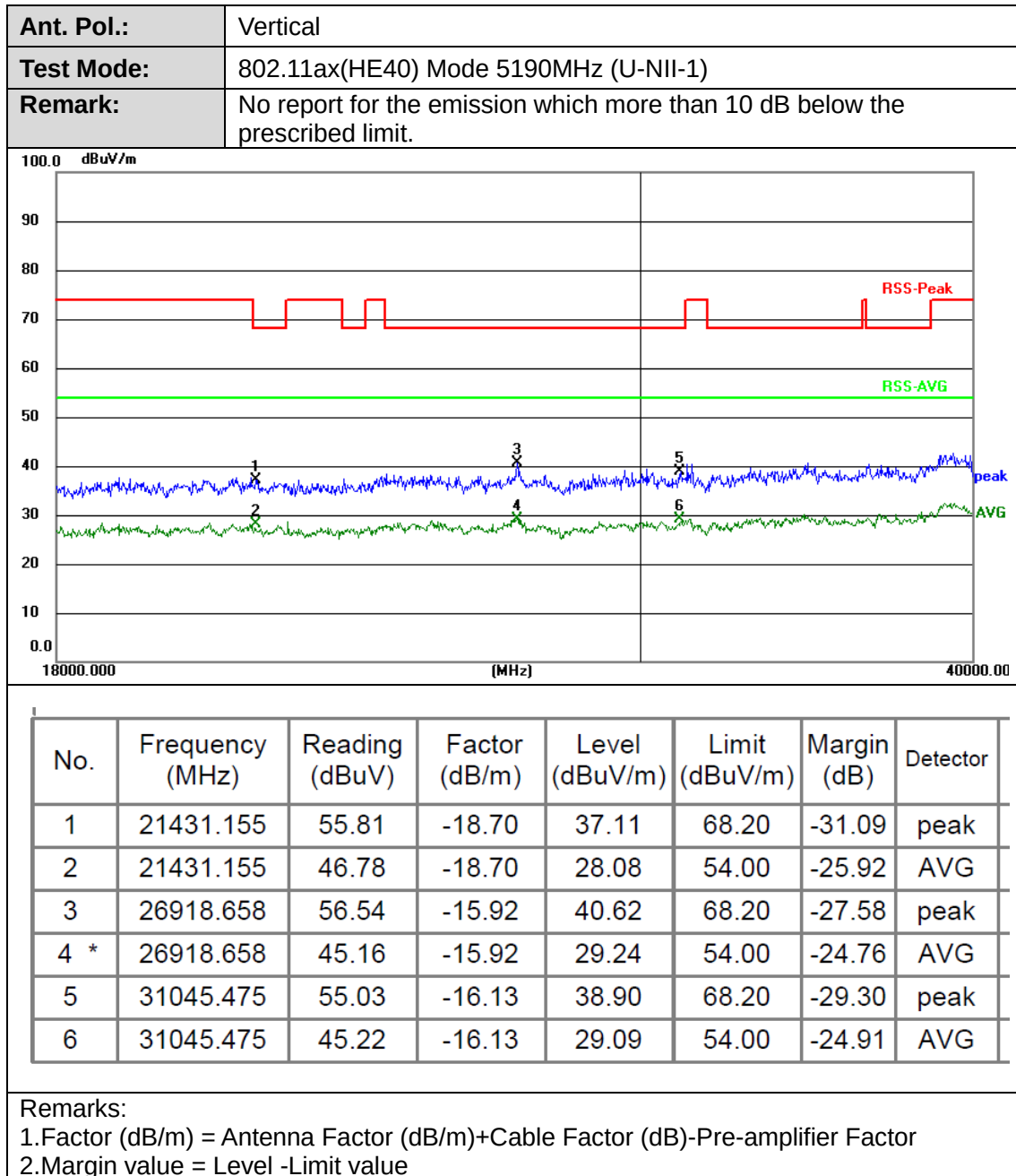
Ant. Pol.:	Horizontal
Test Mode:	802.11ax(HE40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 10 dB below the prescribed limit.

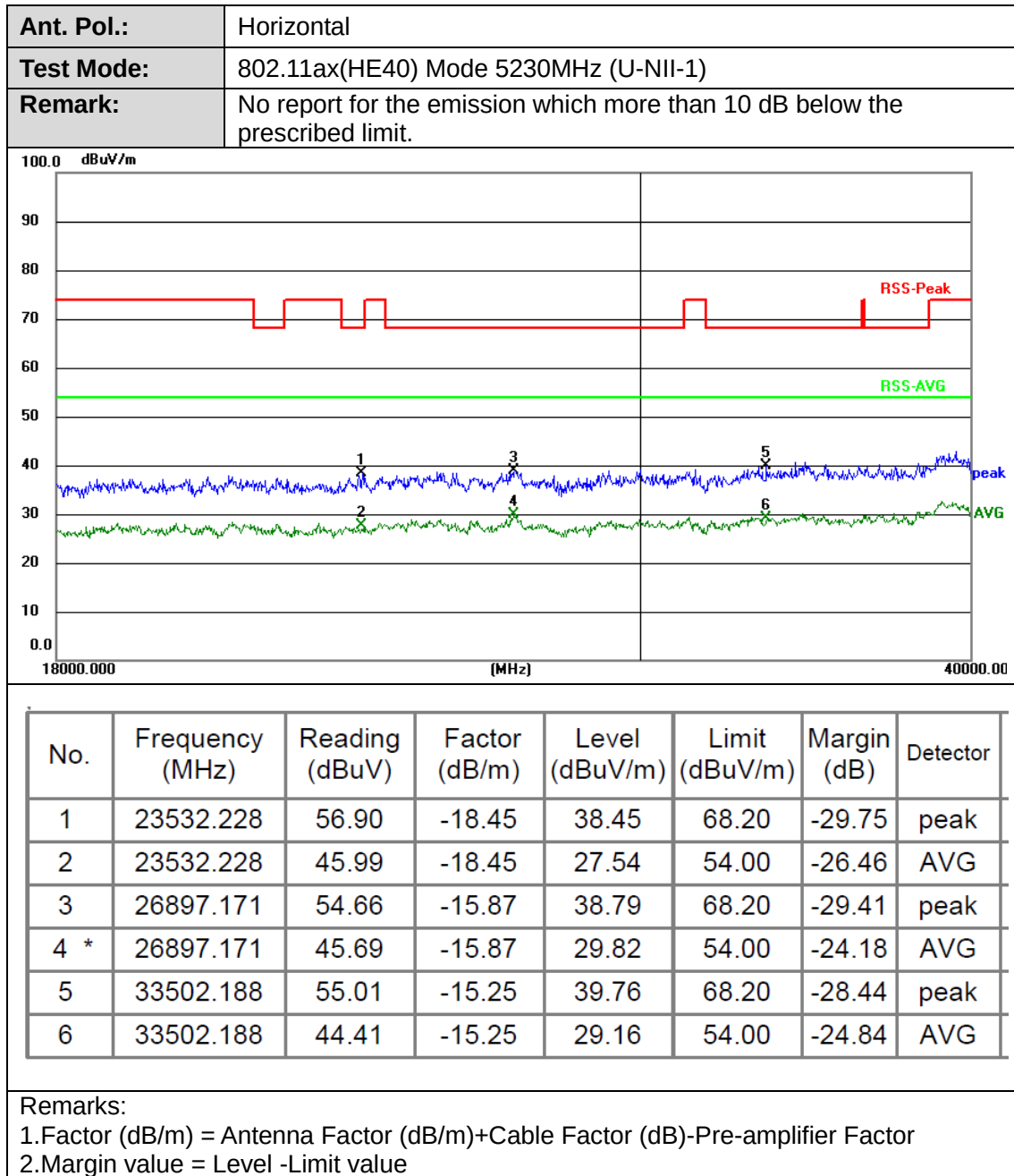


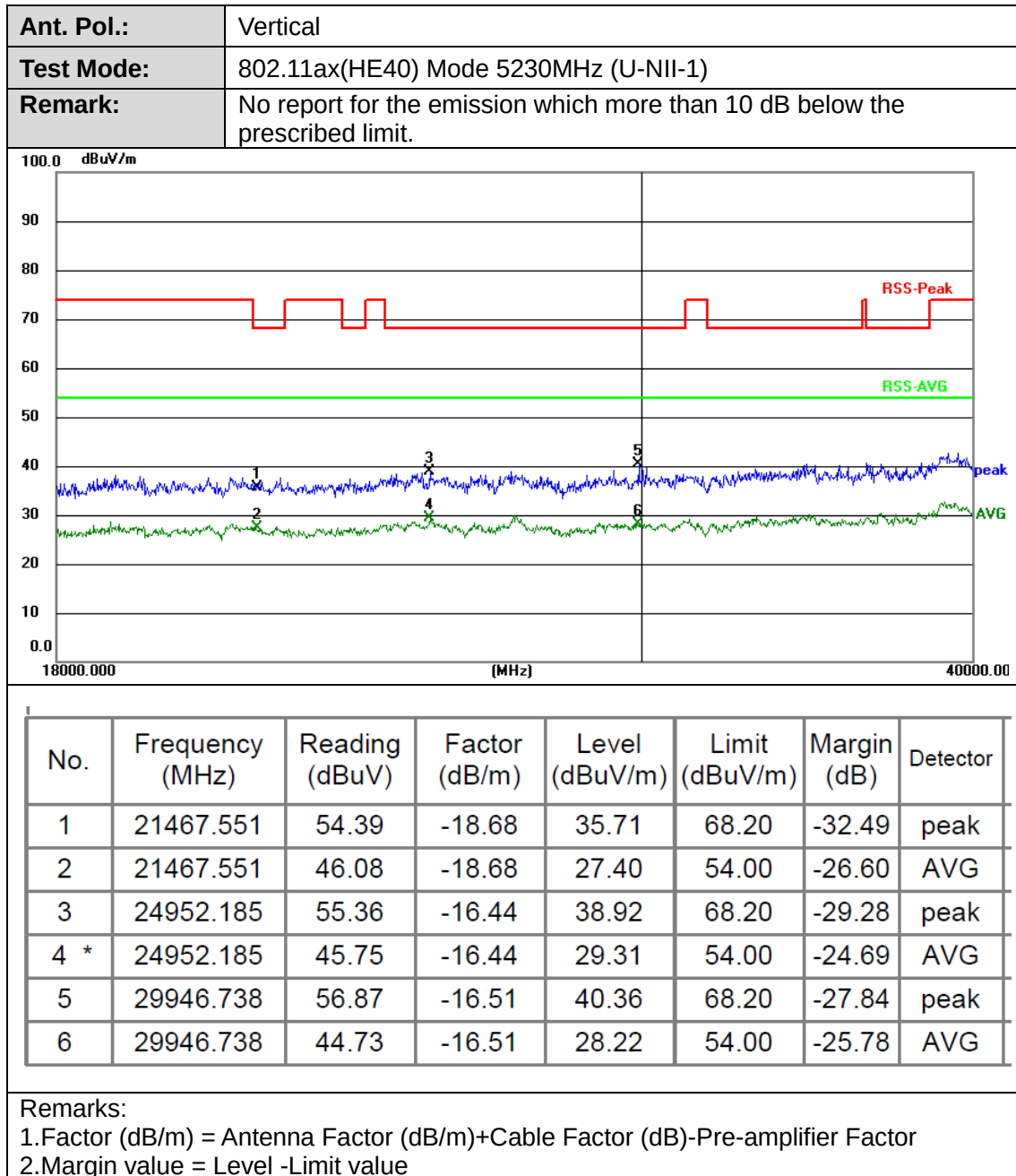
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	21882.926	55.85	-19.08	36.77	68.20	-31.43	peak
2	21882.926	46.48	-19.08	27.40	54.00	-26.60	AVG
3	26897.171	55.98	-15.87	40.11	68.20	-28.09	peak
4	26897.171	45.64	-15.87	29.77	54.00	-24.23	AVG
5	34835.529	54.91	-14.69	40.22	68.20	-27.98	peak
6 *	34835.529	44.61	-14.69	29.92	54.00	-24.08	AVG

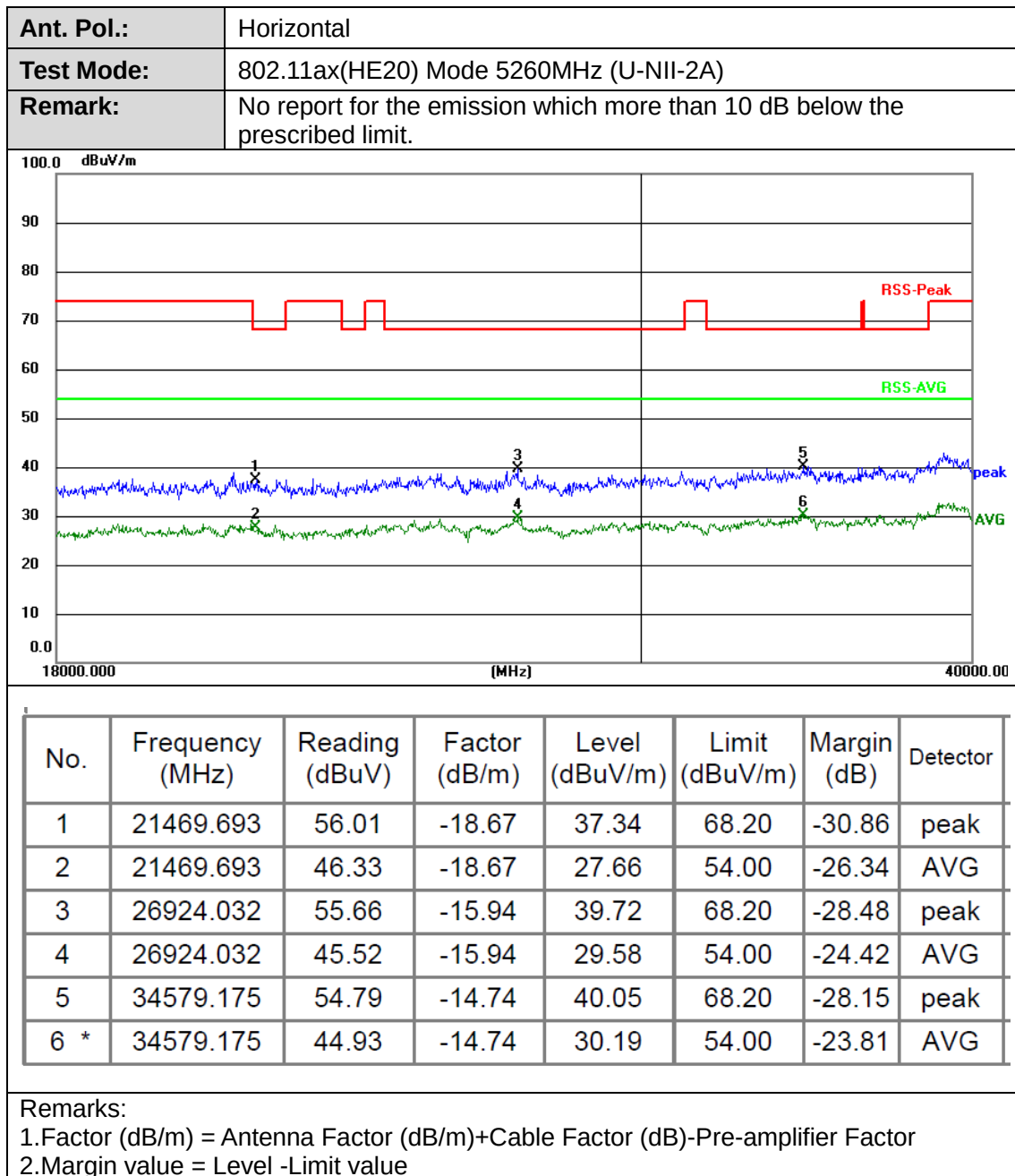
Remarks:

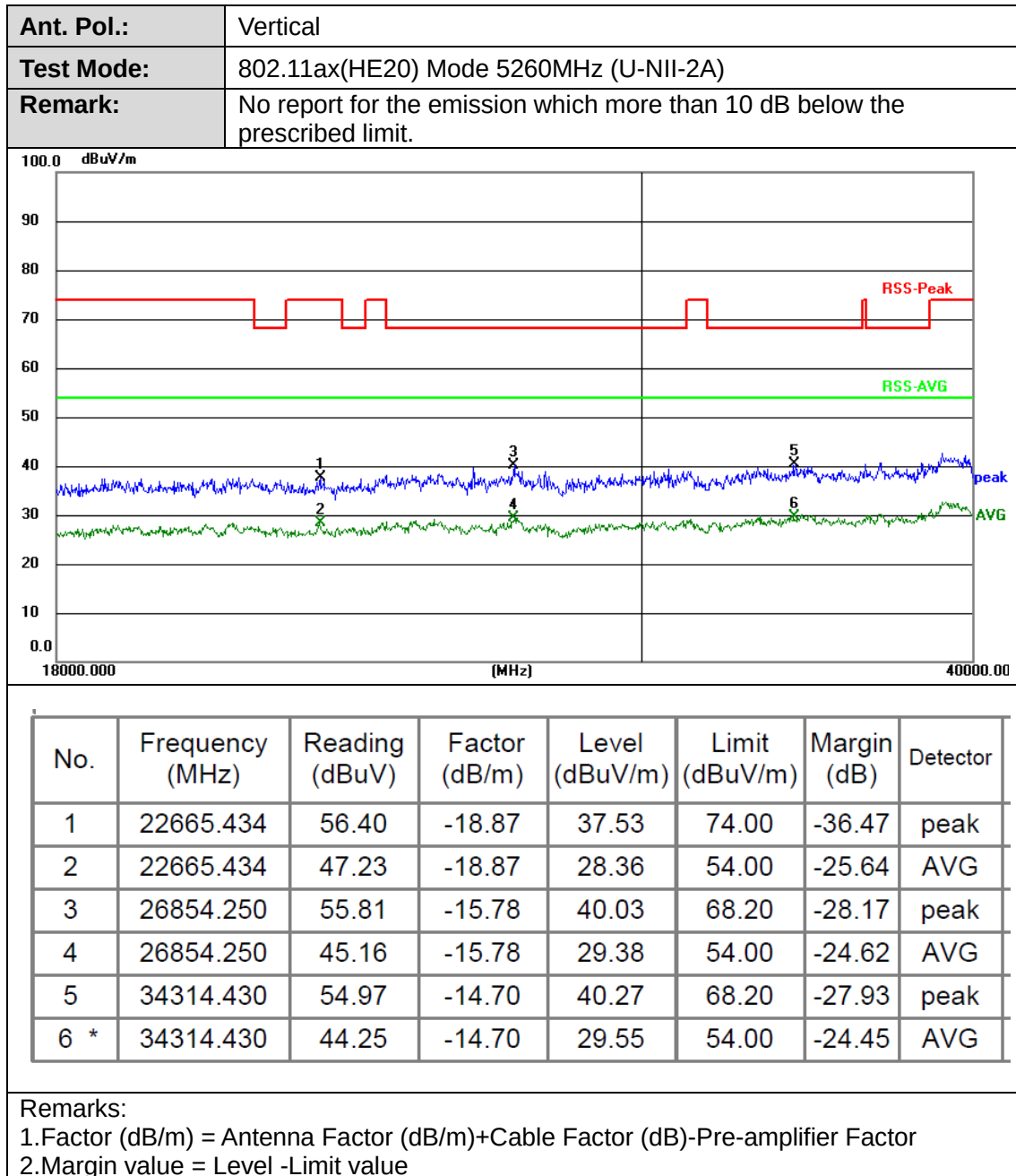
1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor
2. Margin value = Level - Limit value

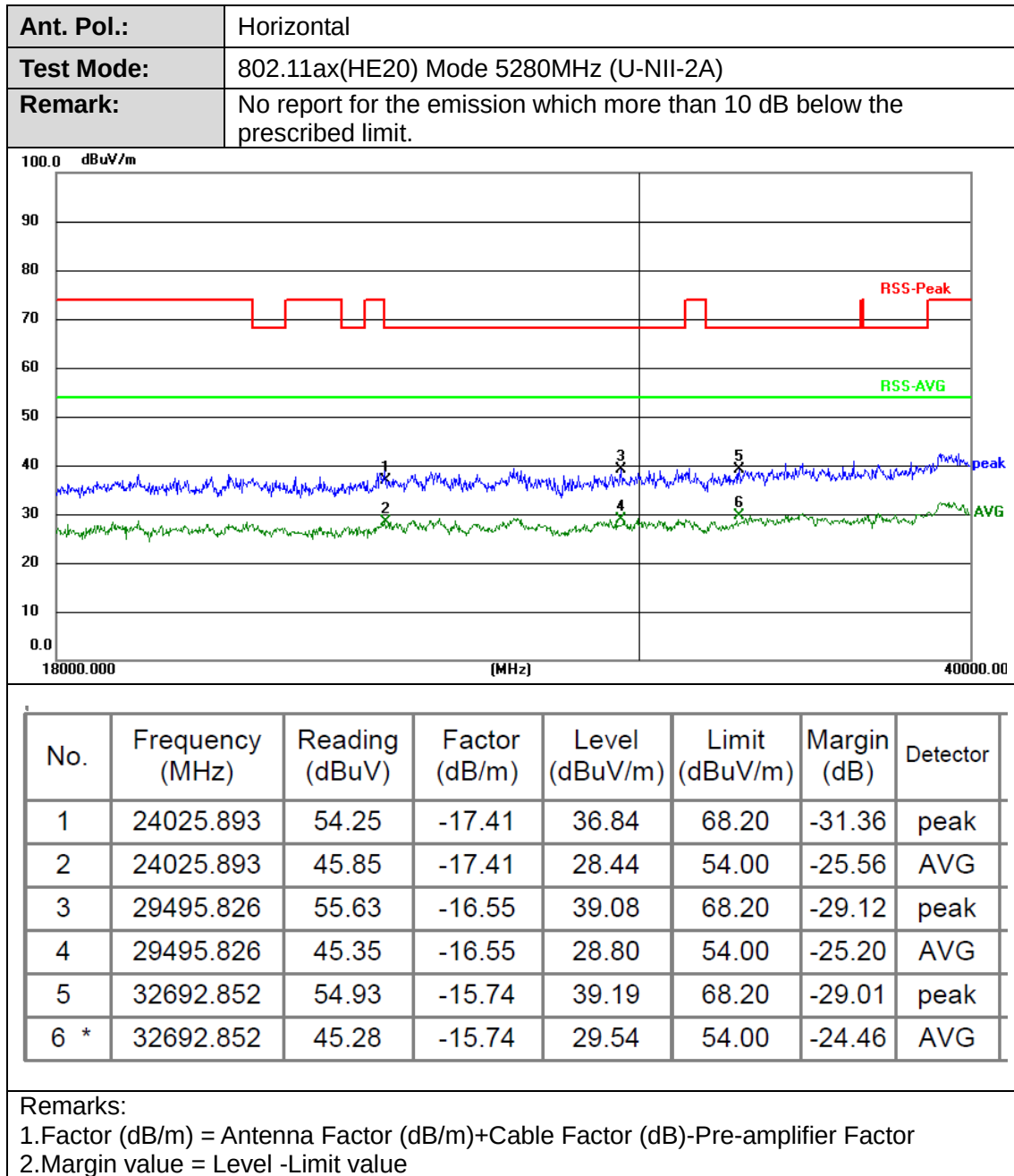


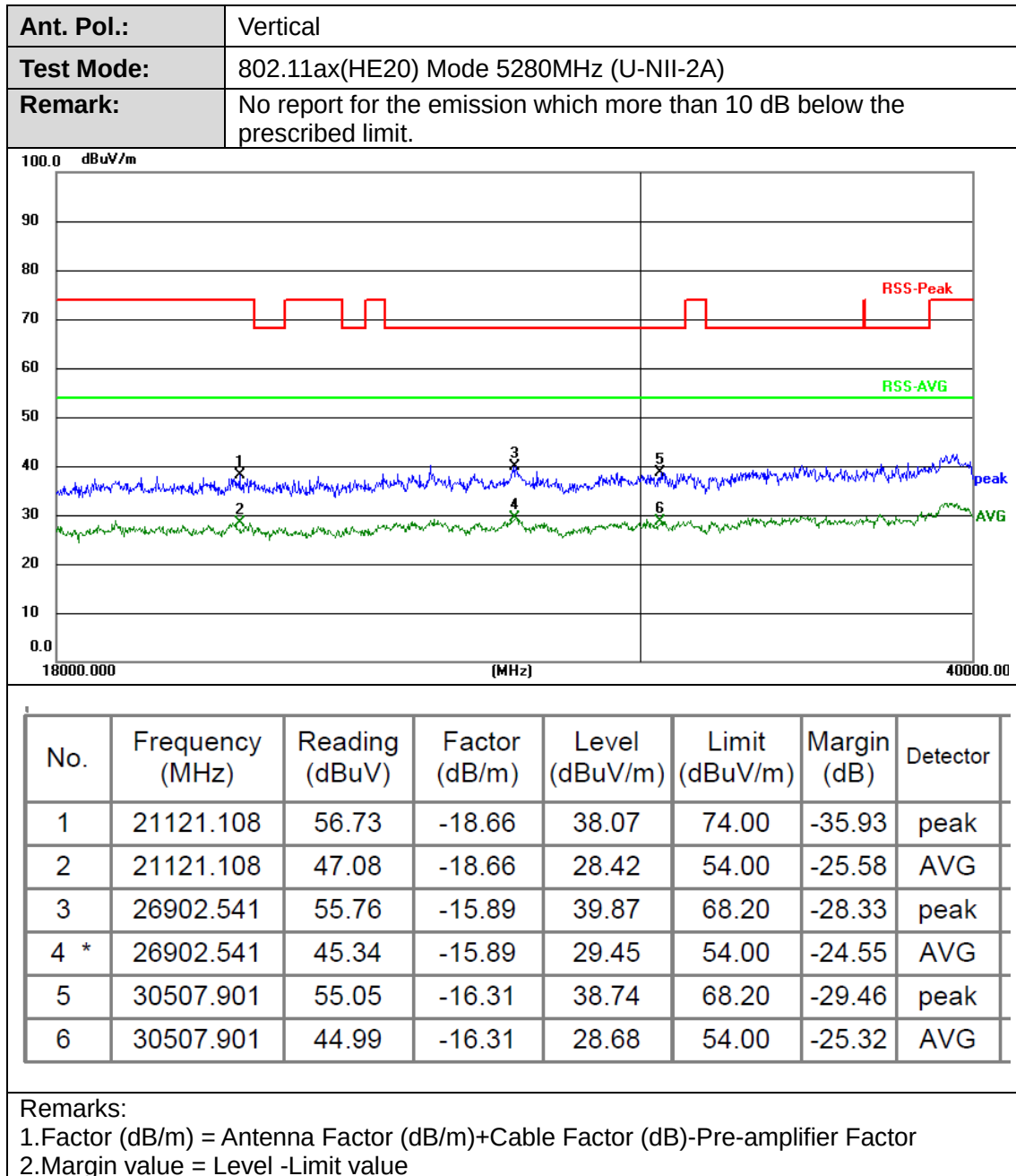


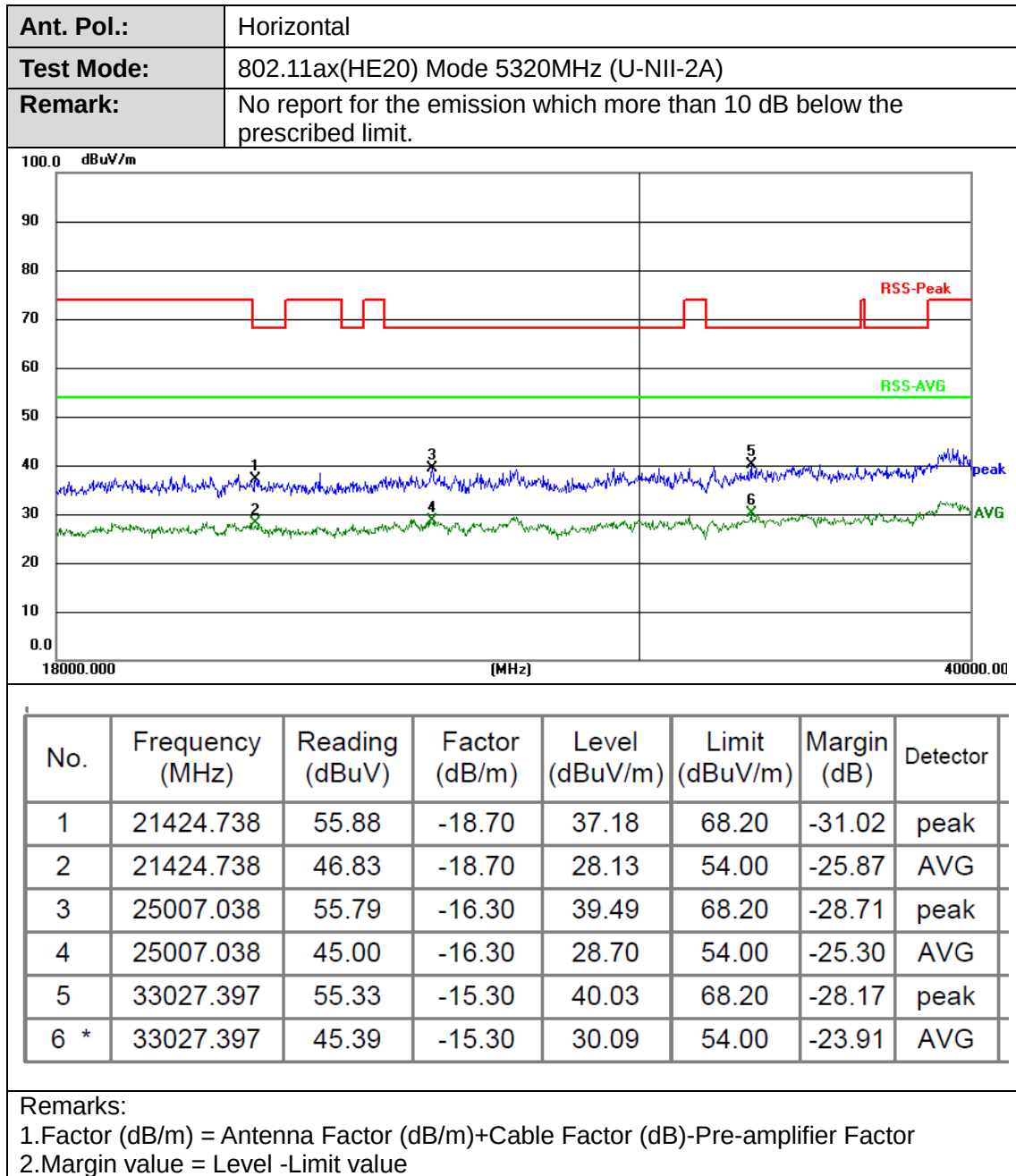


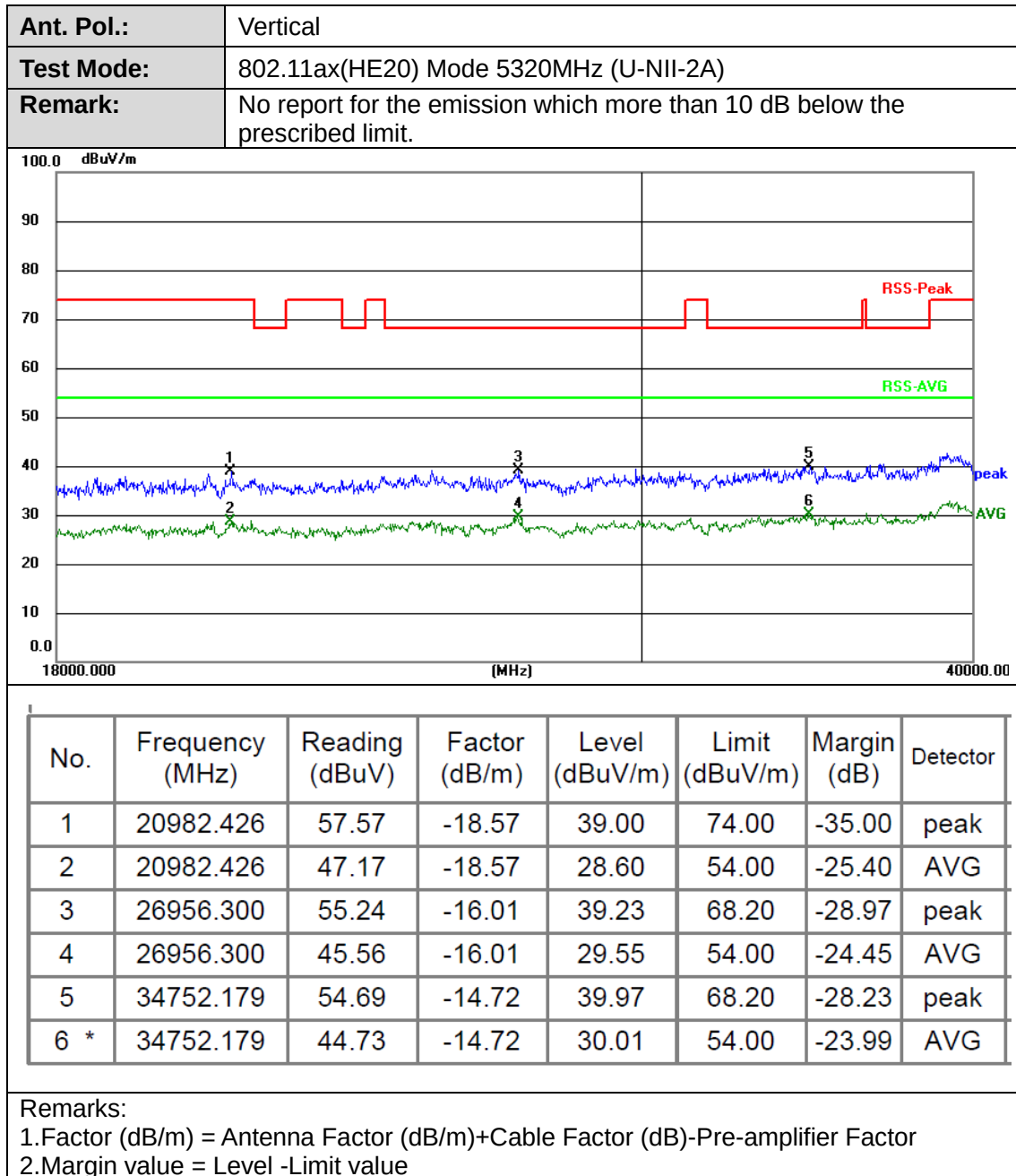


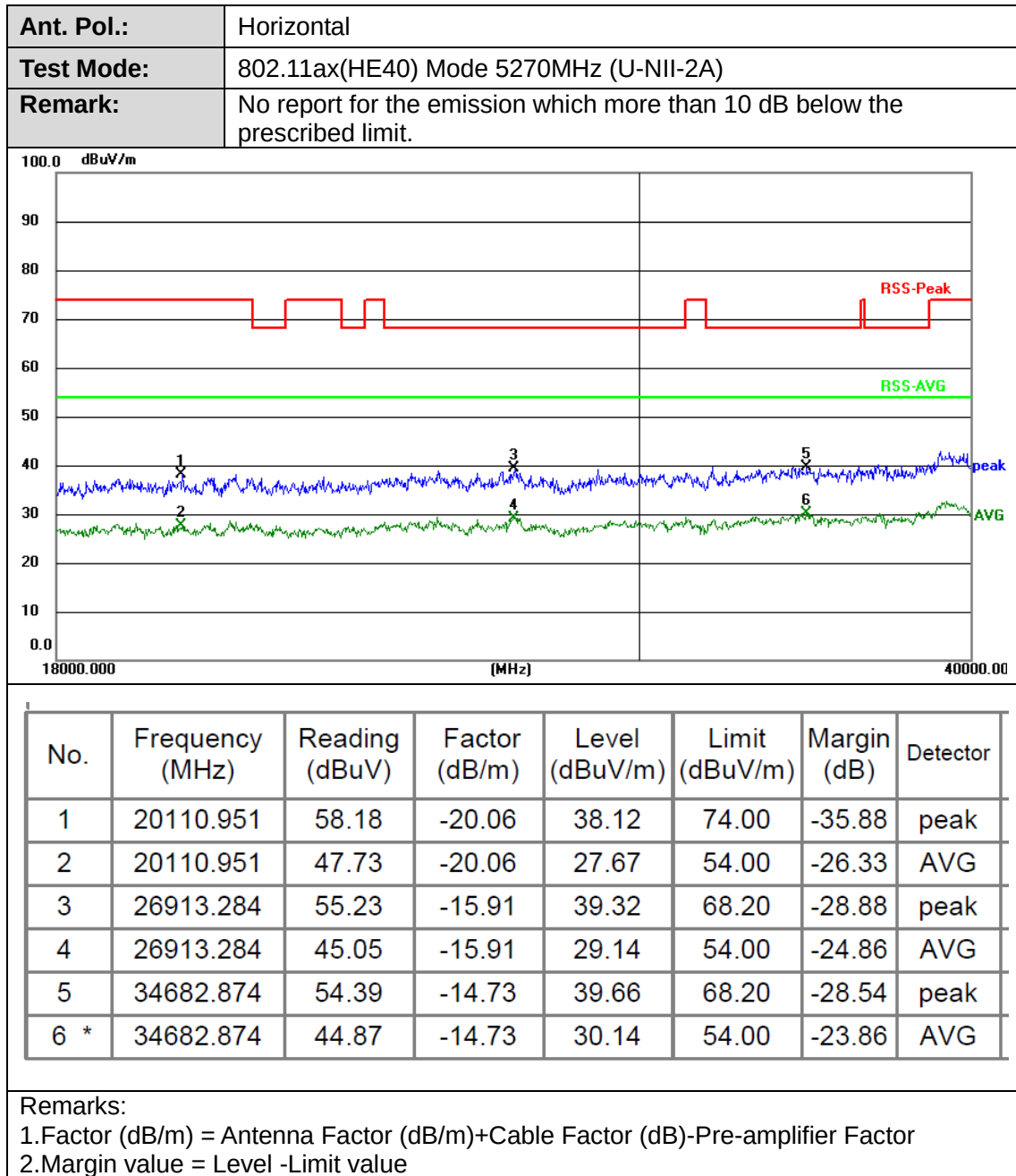


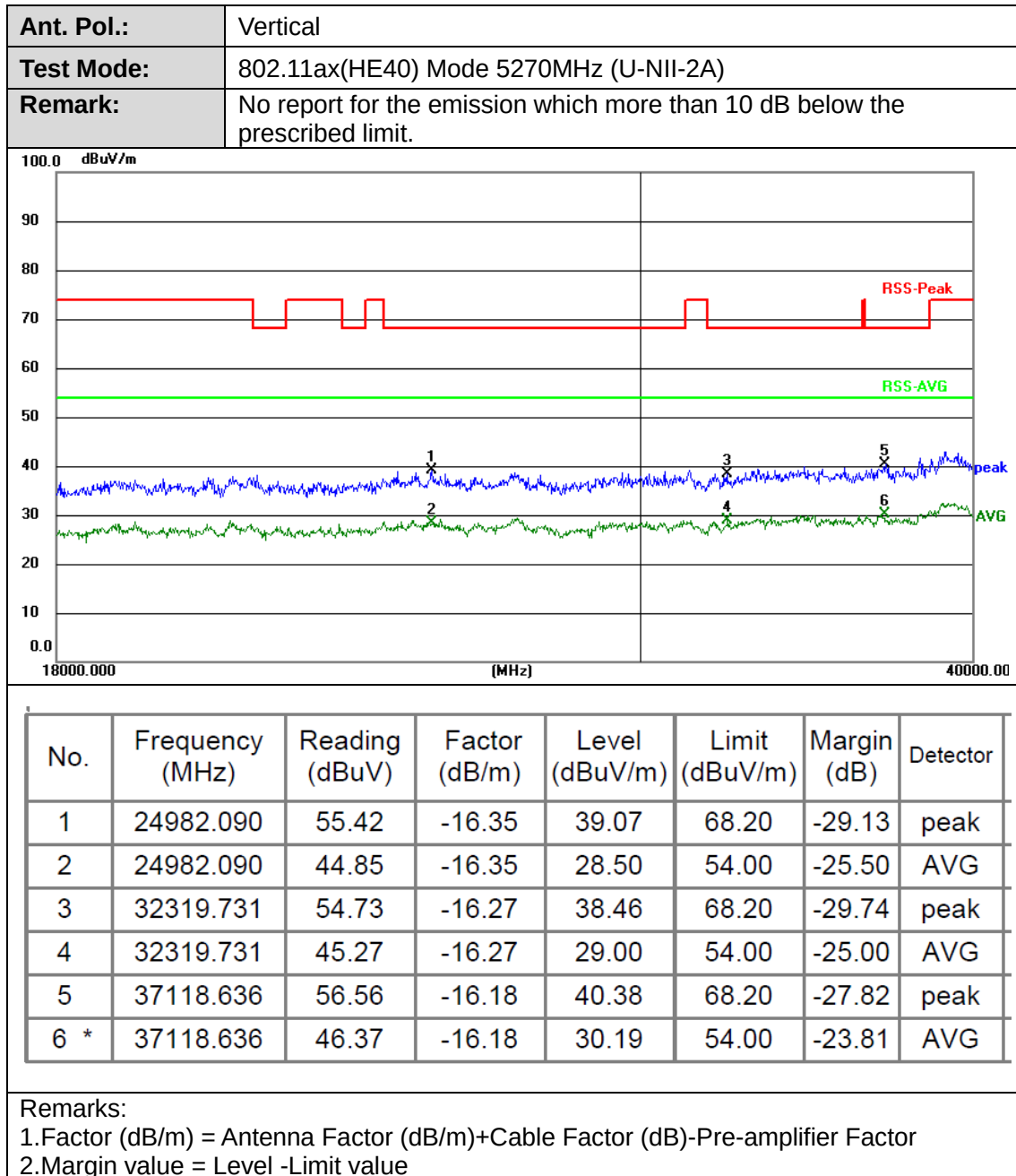


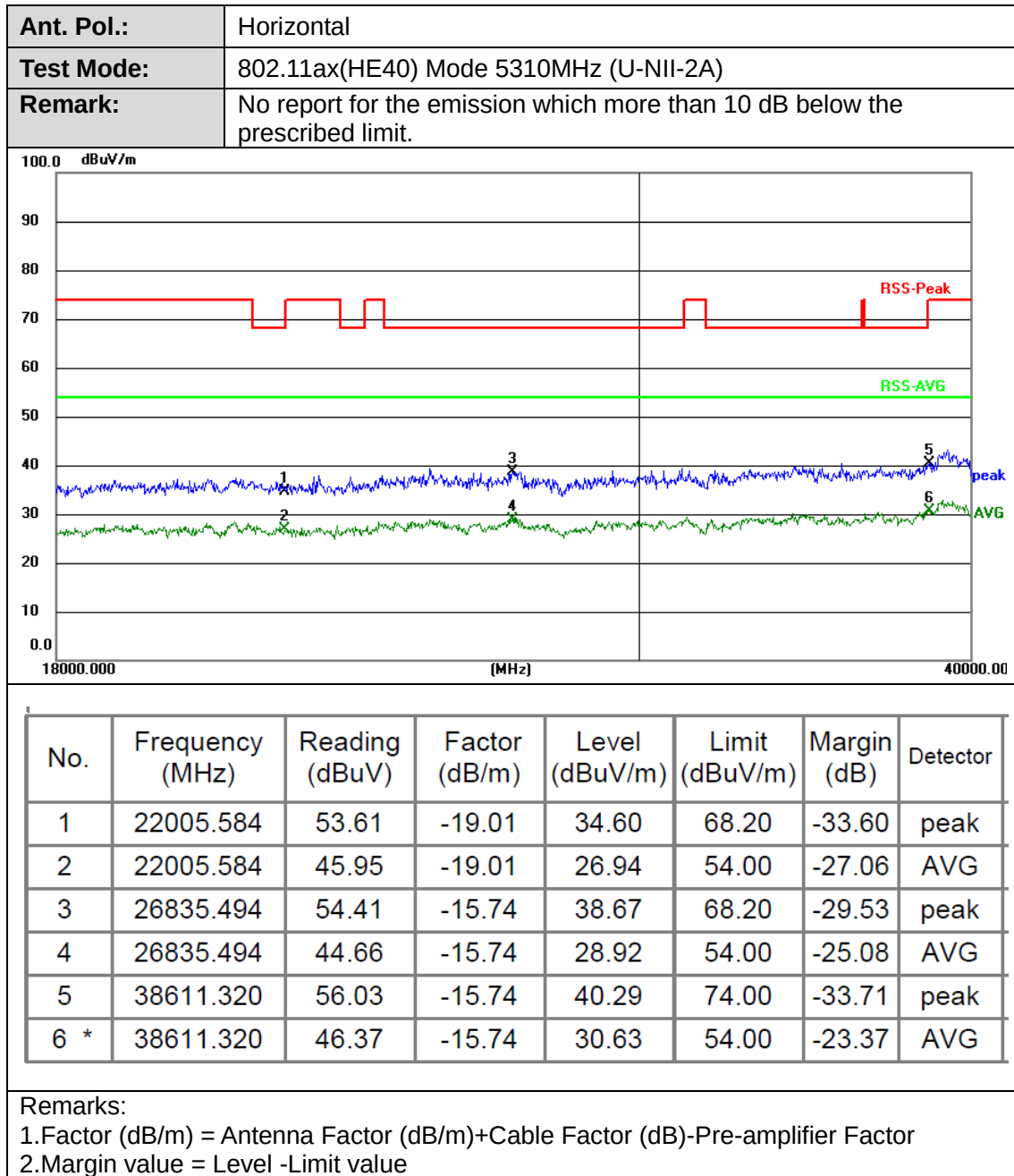


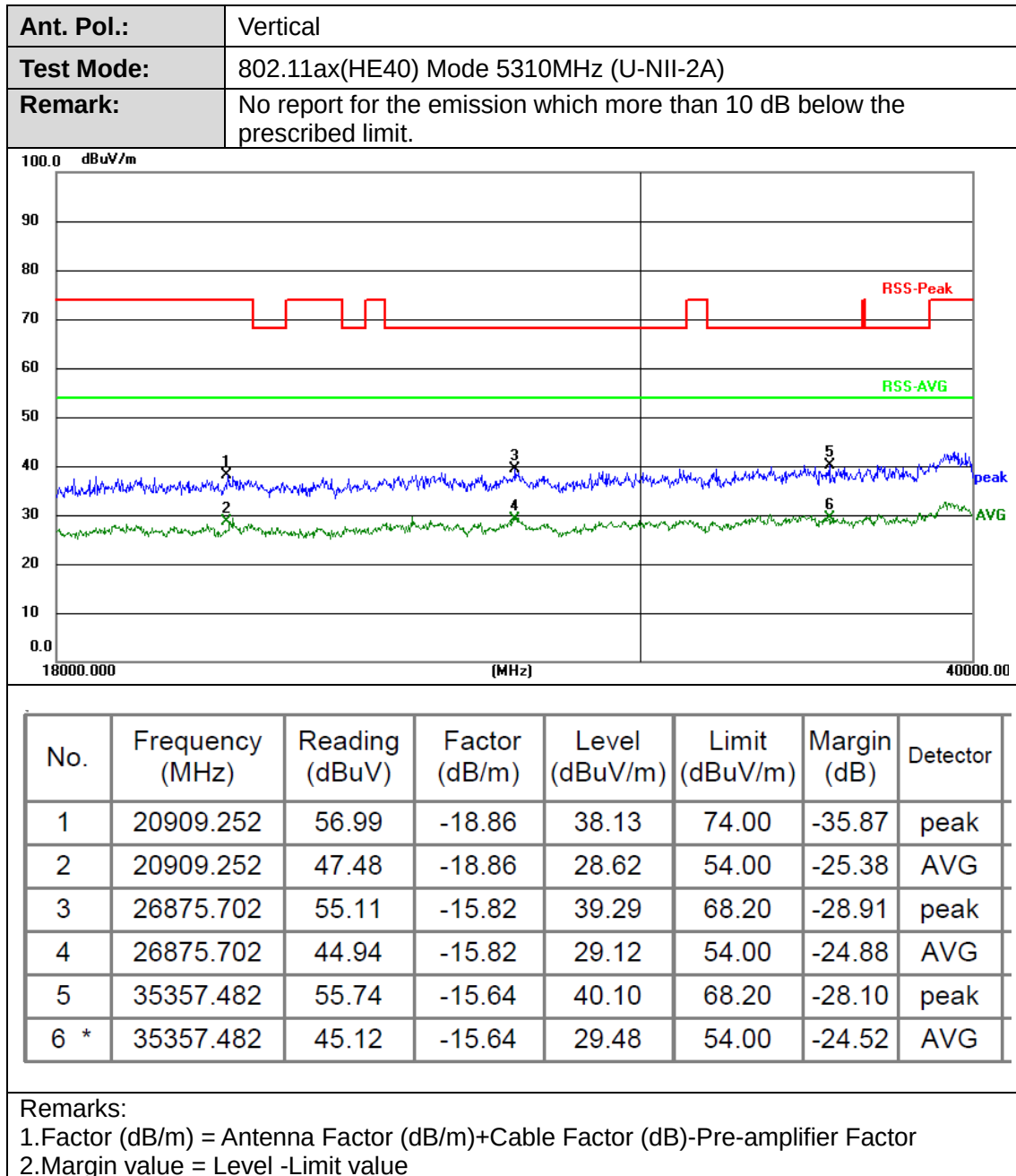


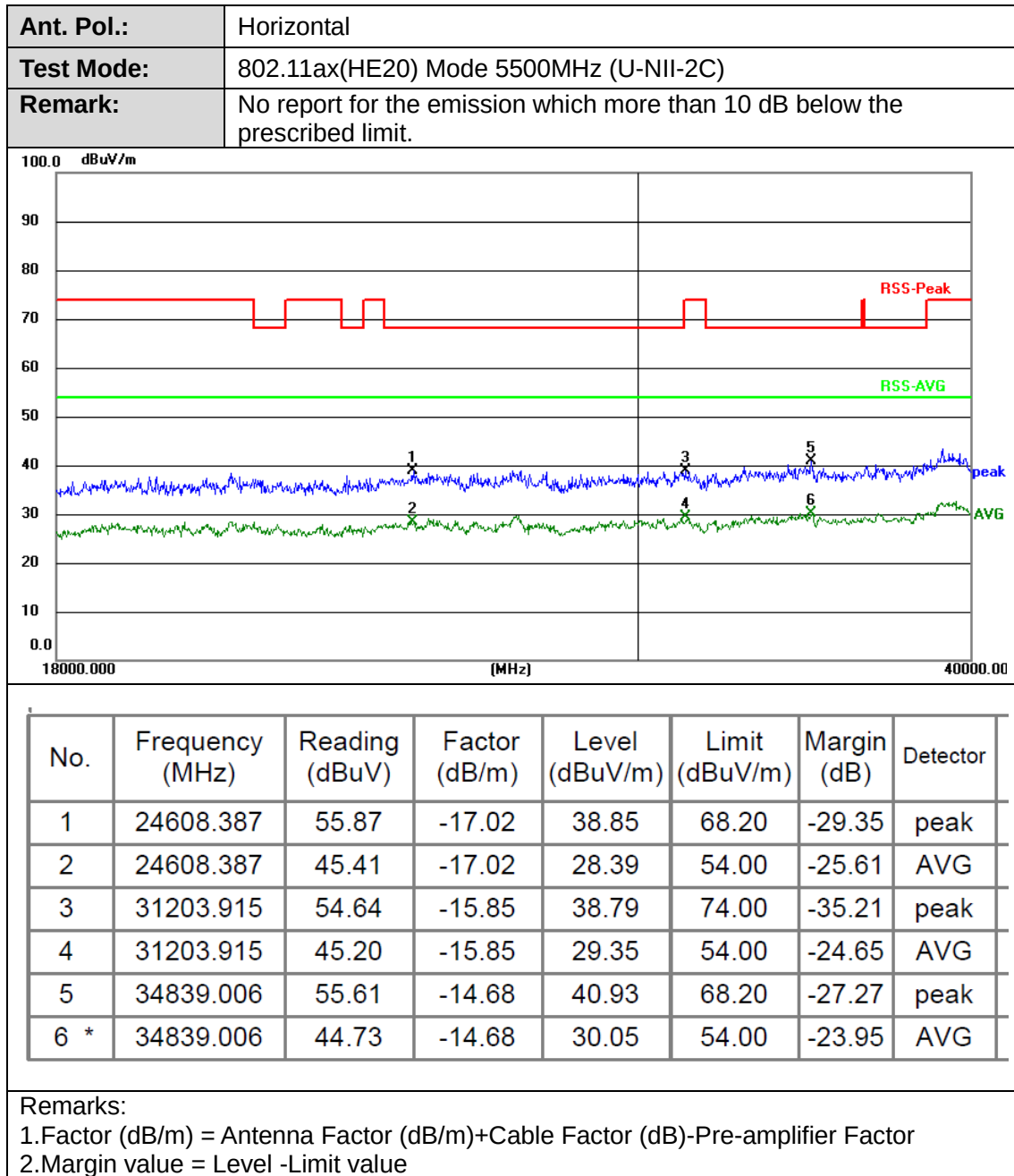


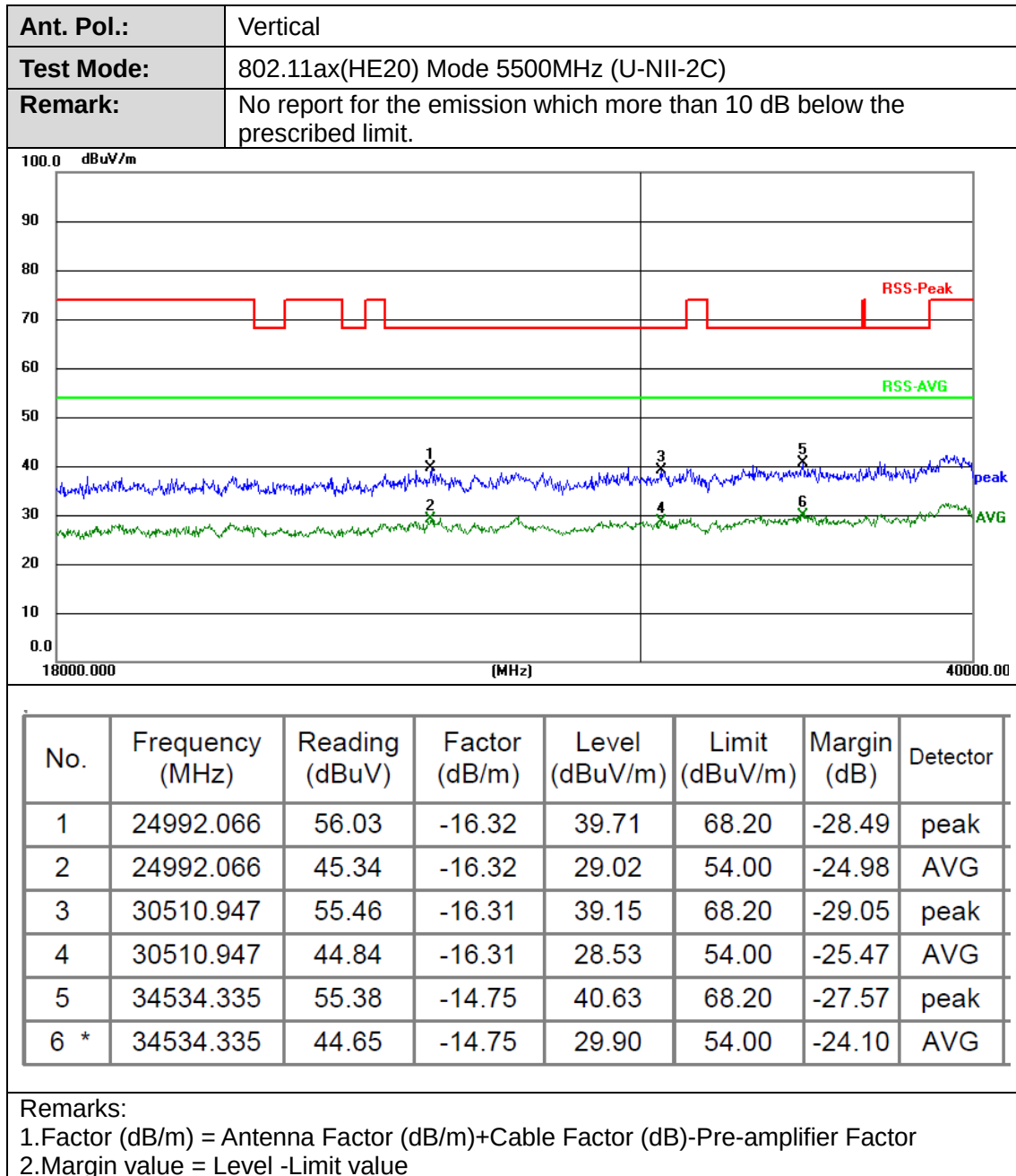


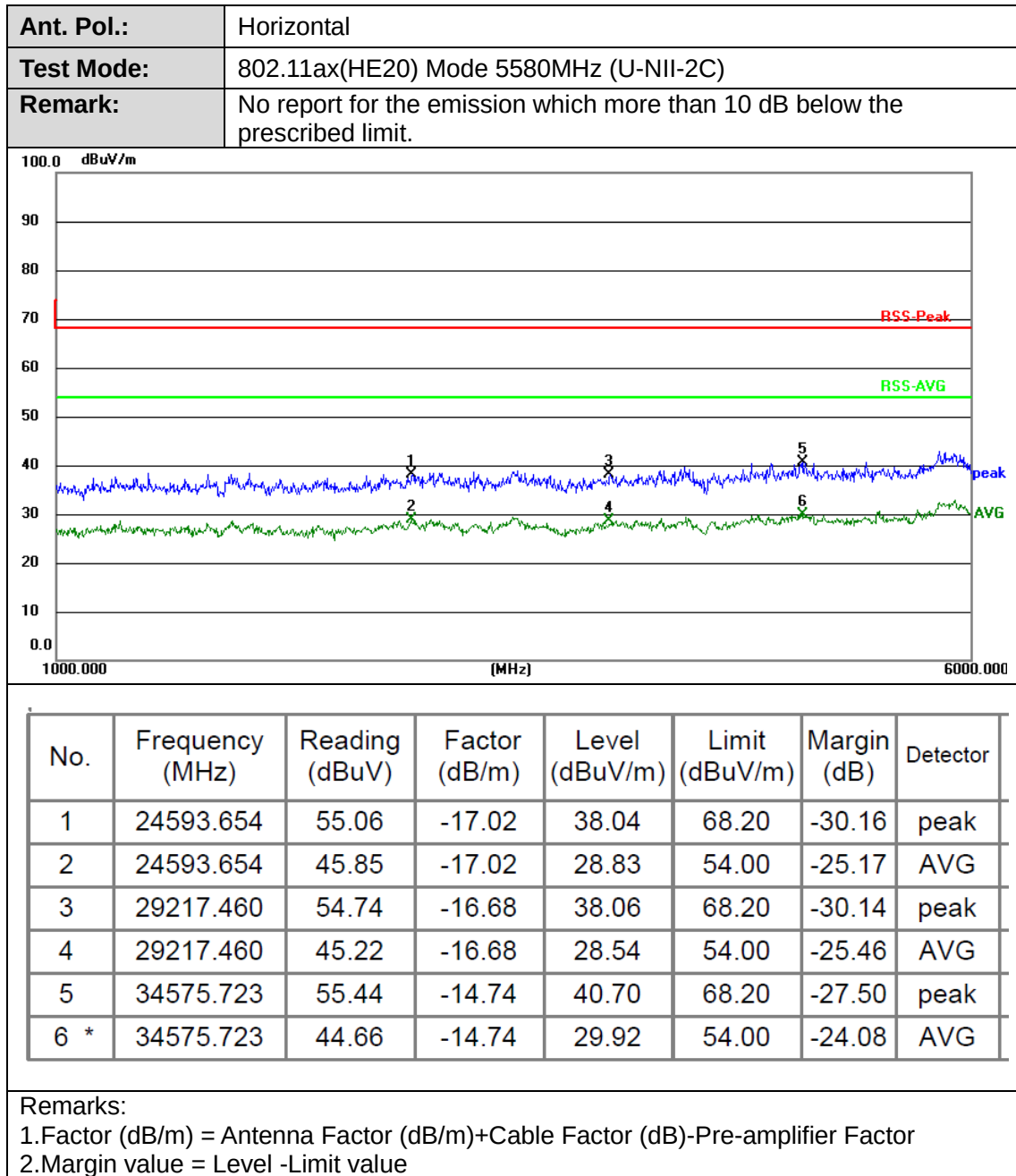


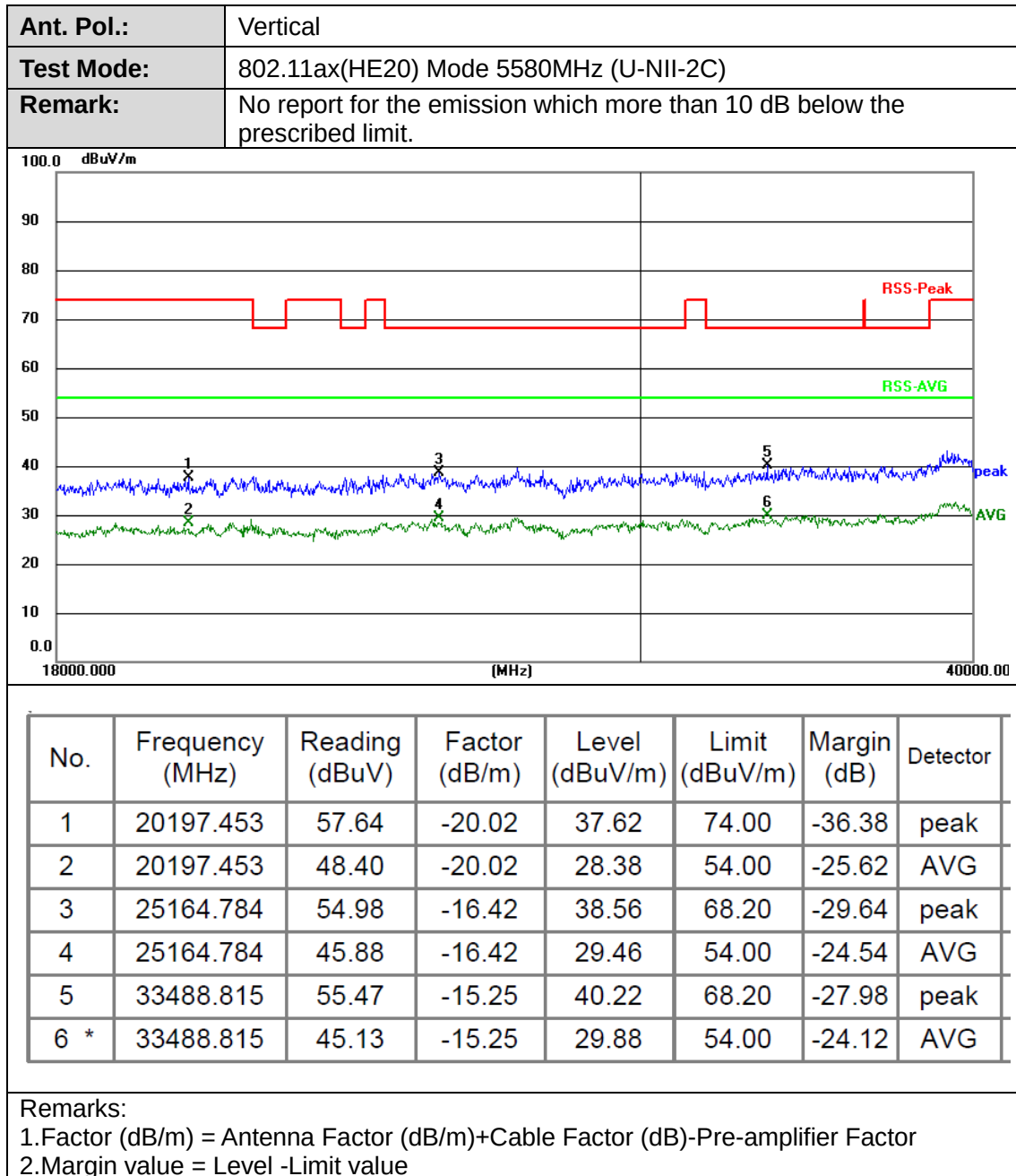


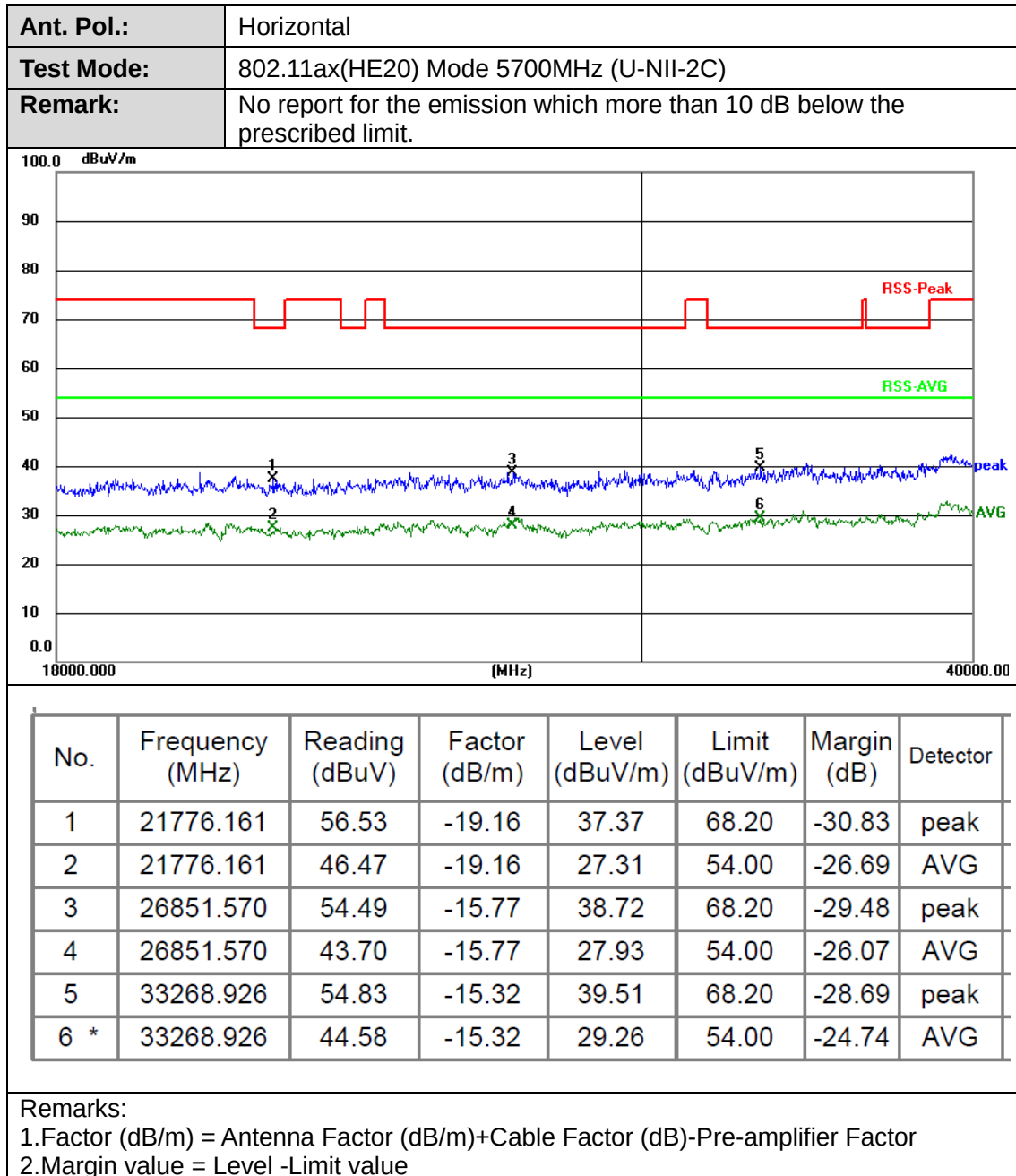


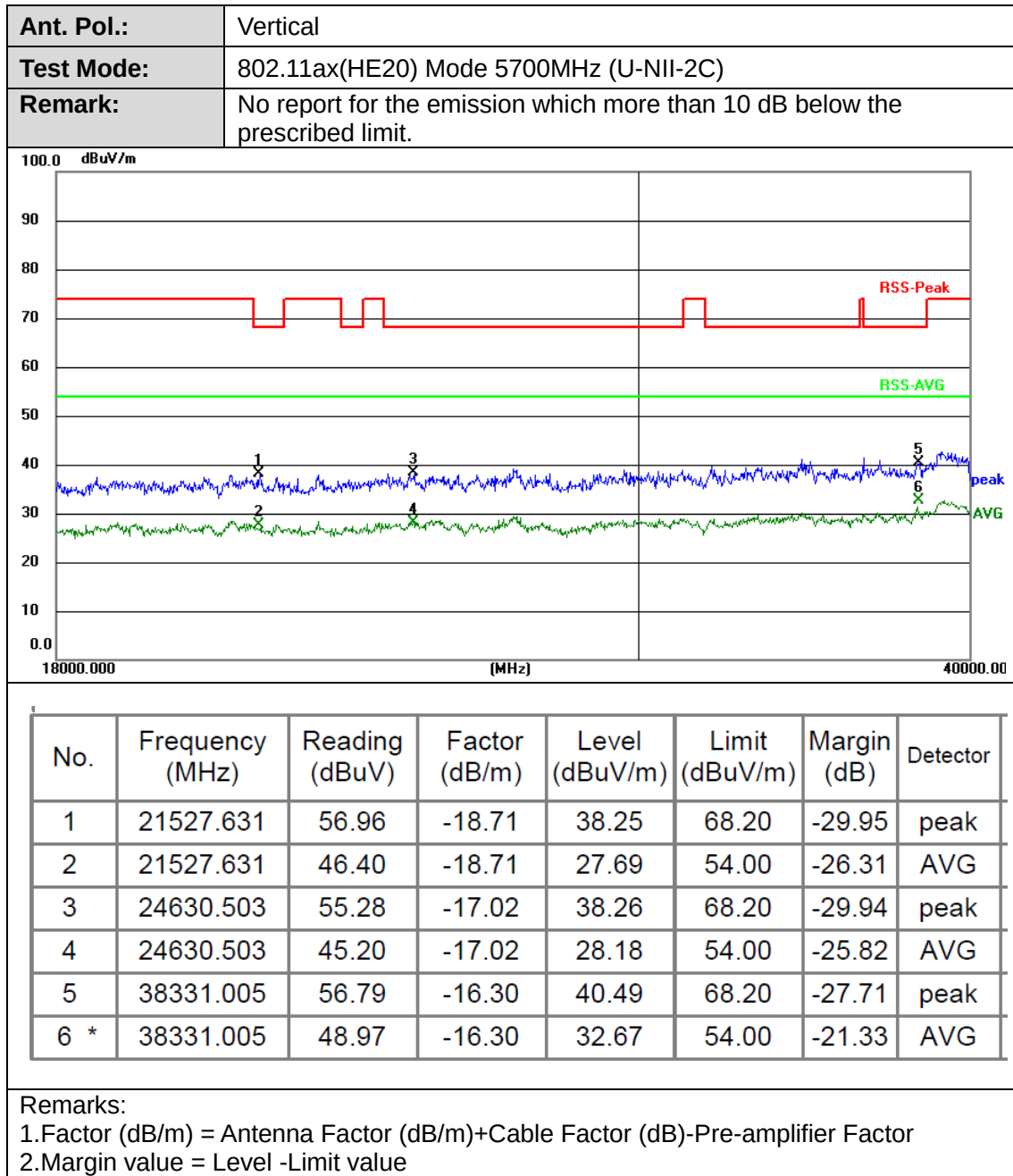


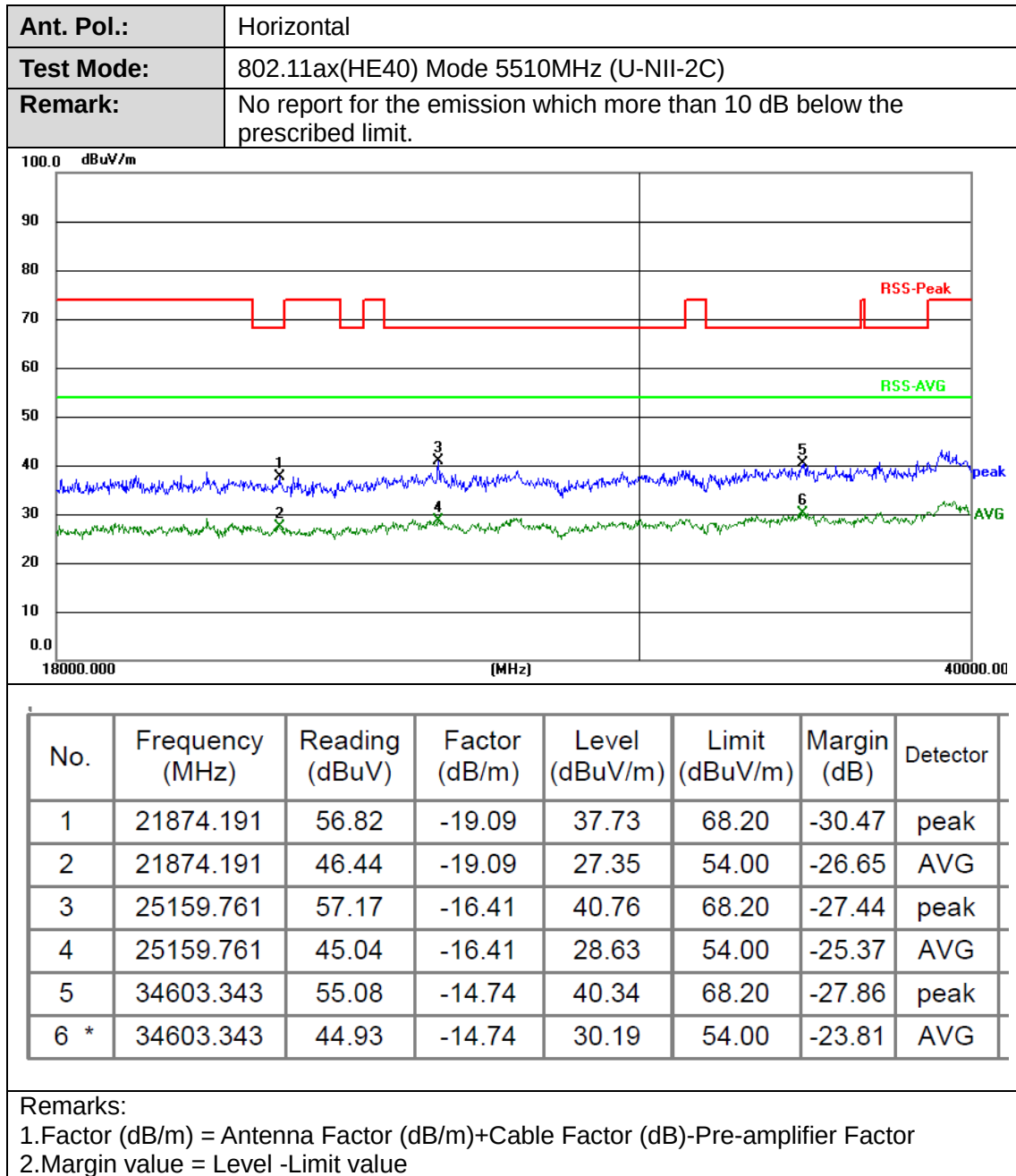


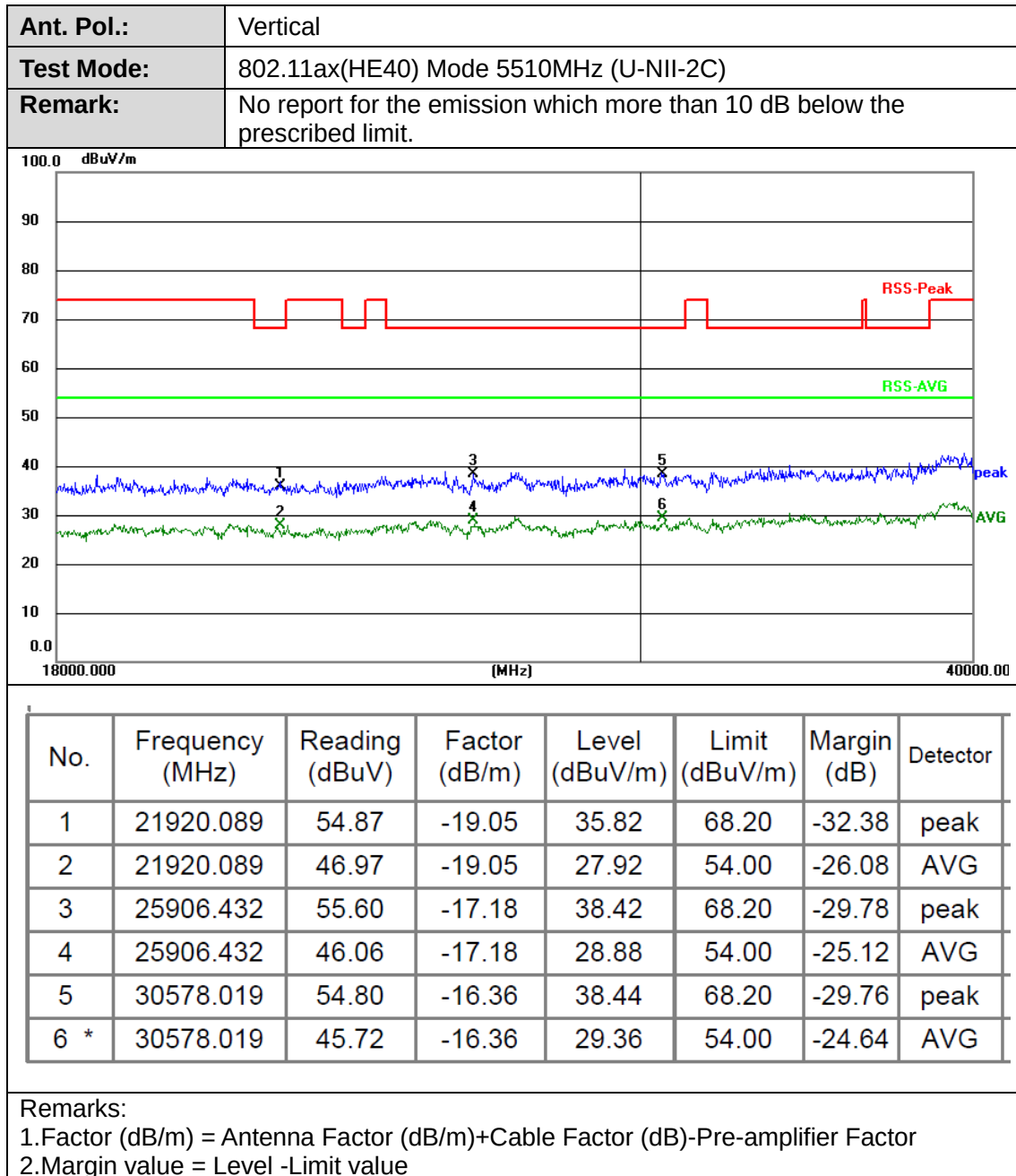


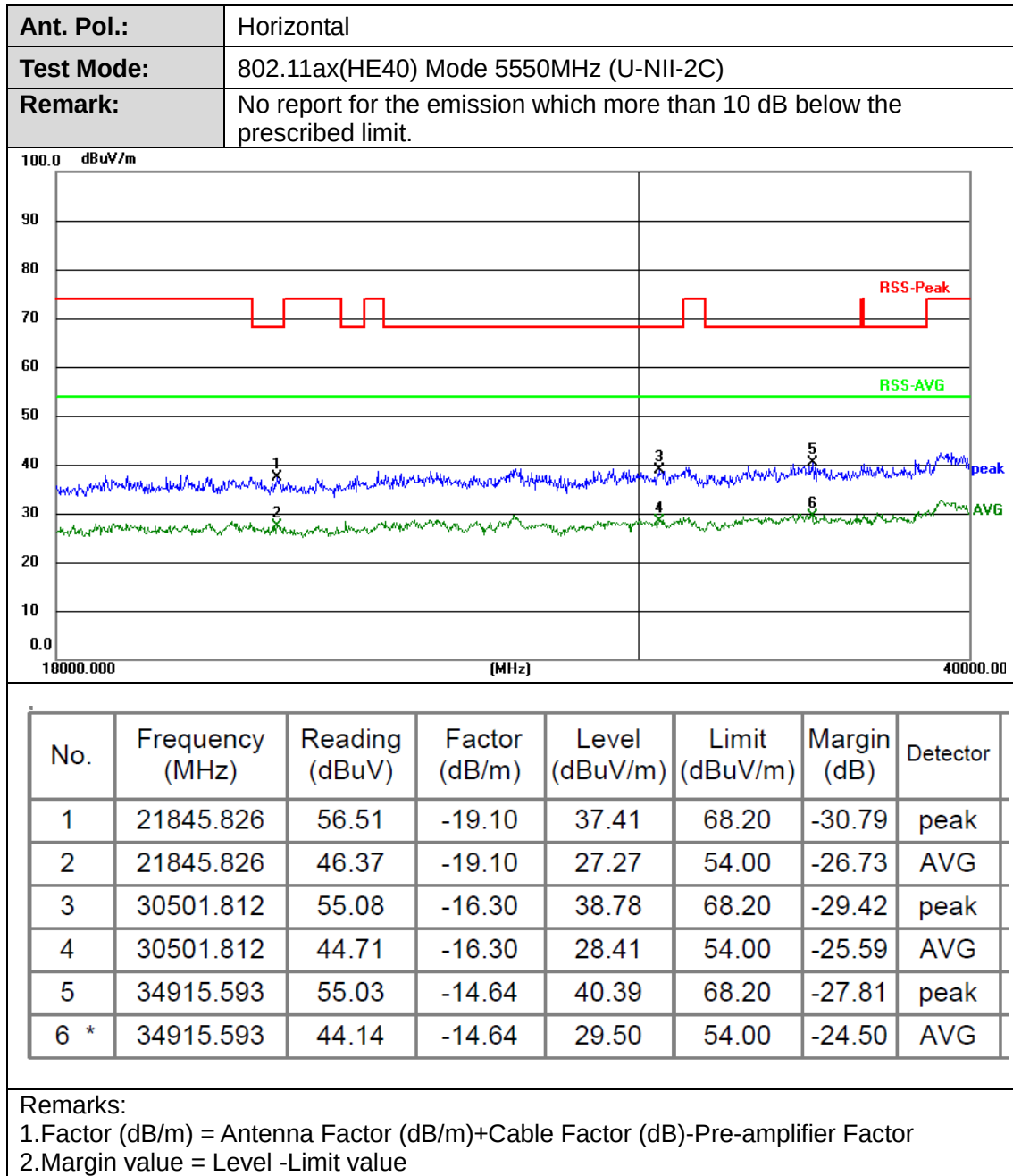


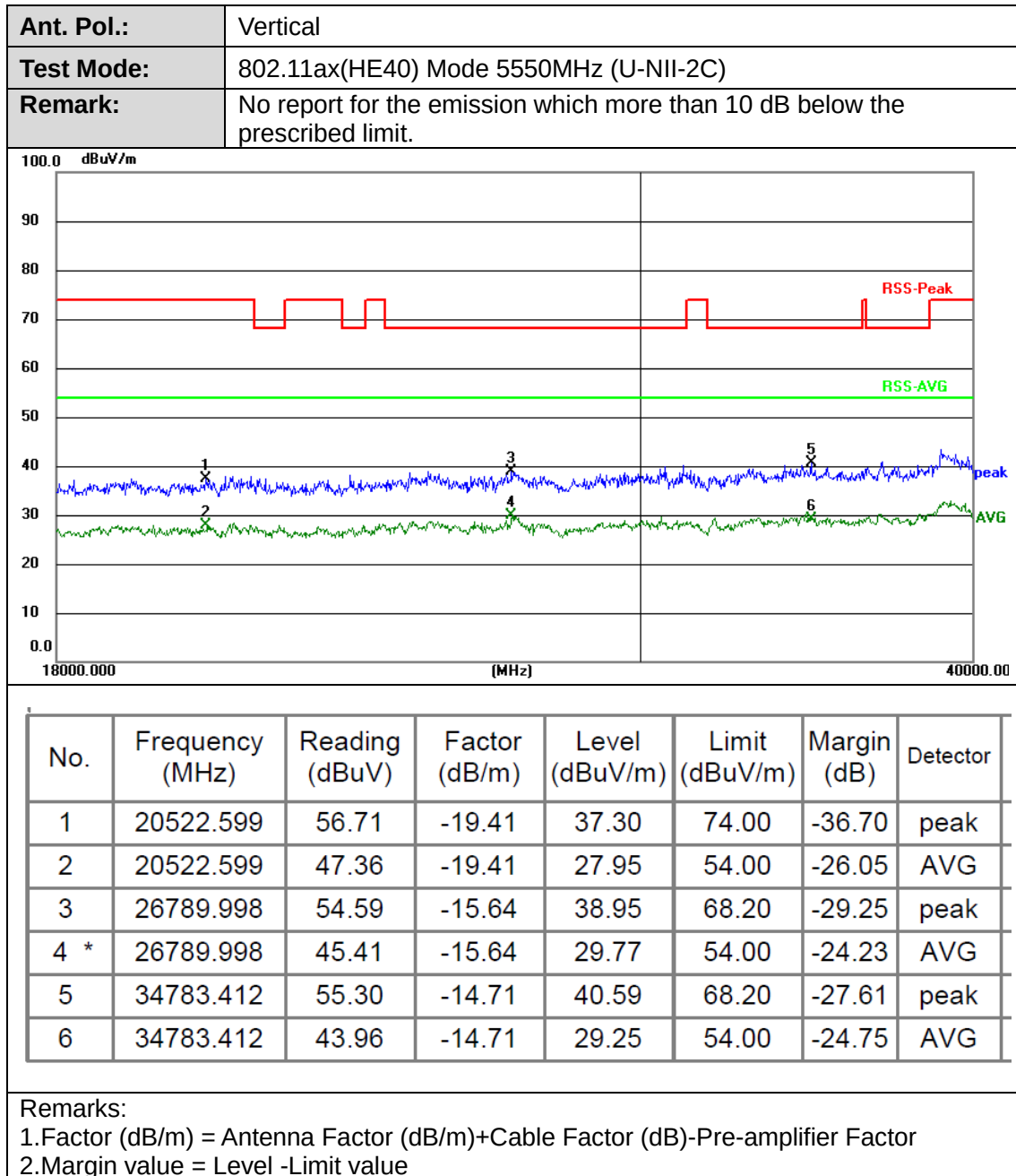


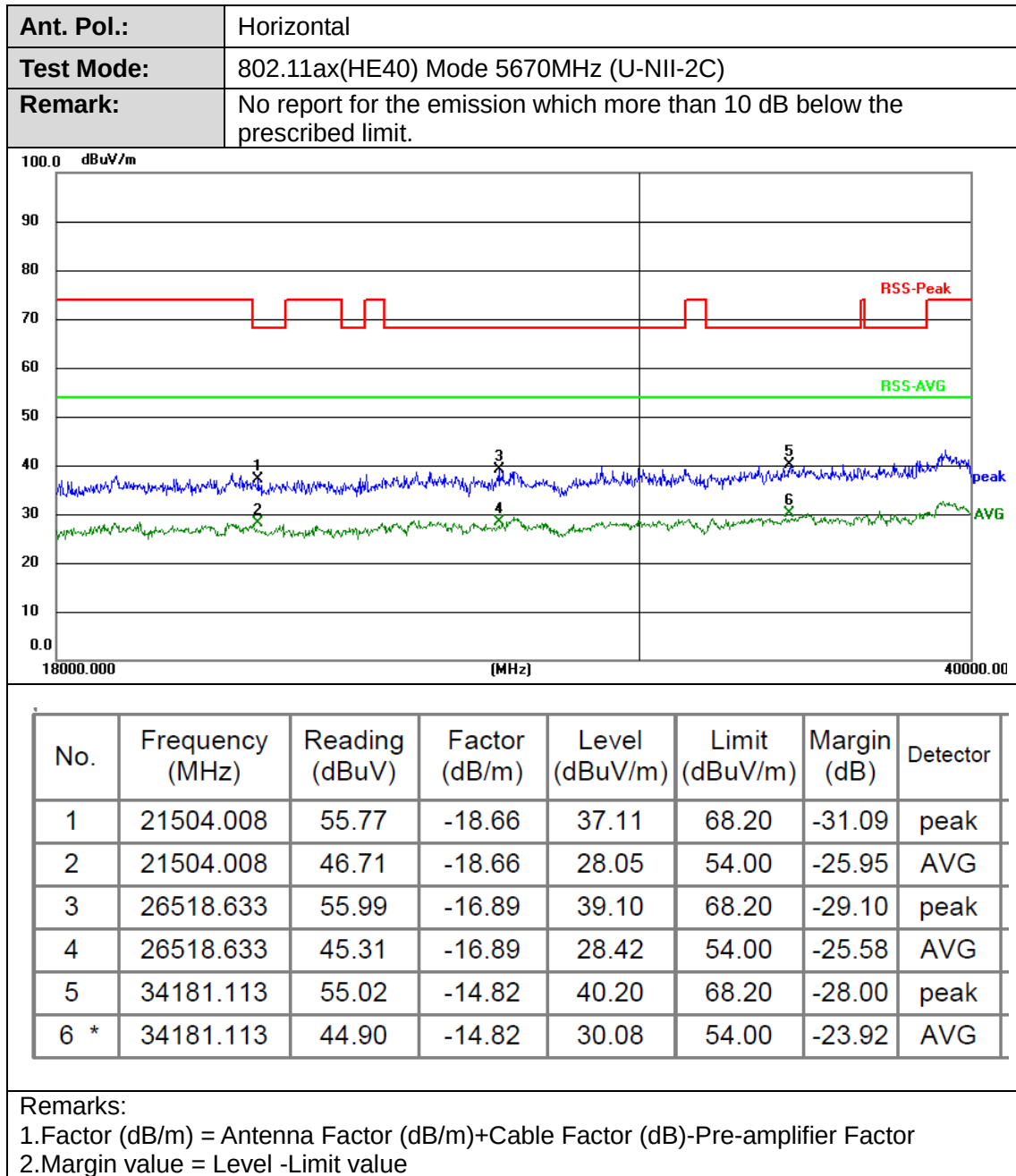


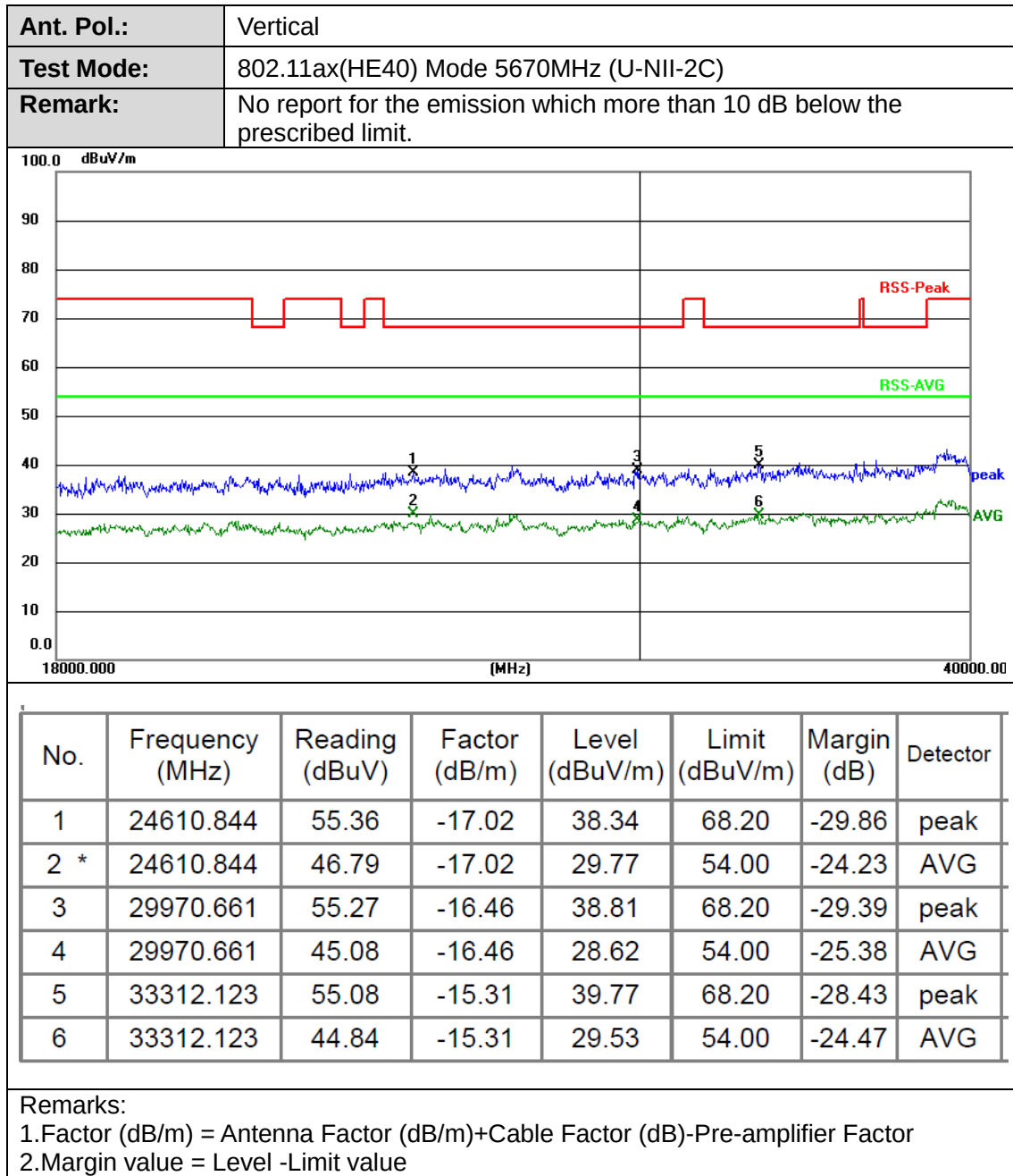


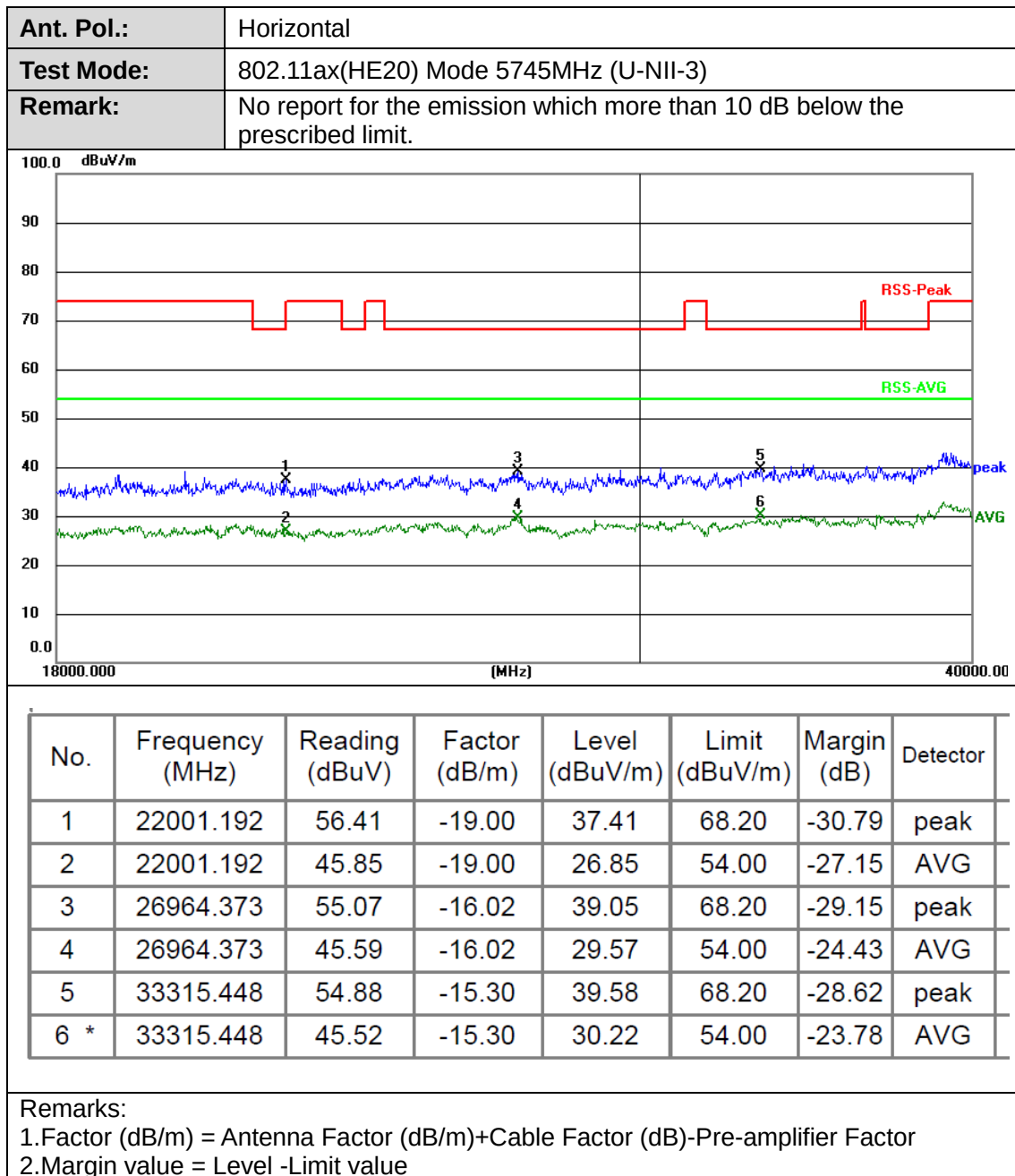


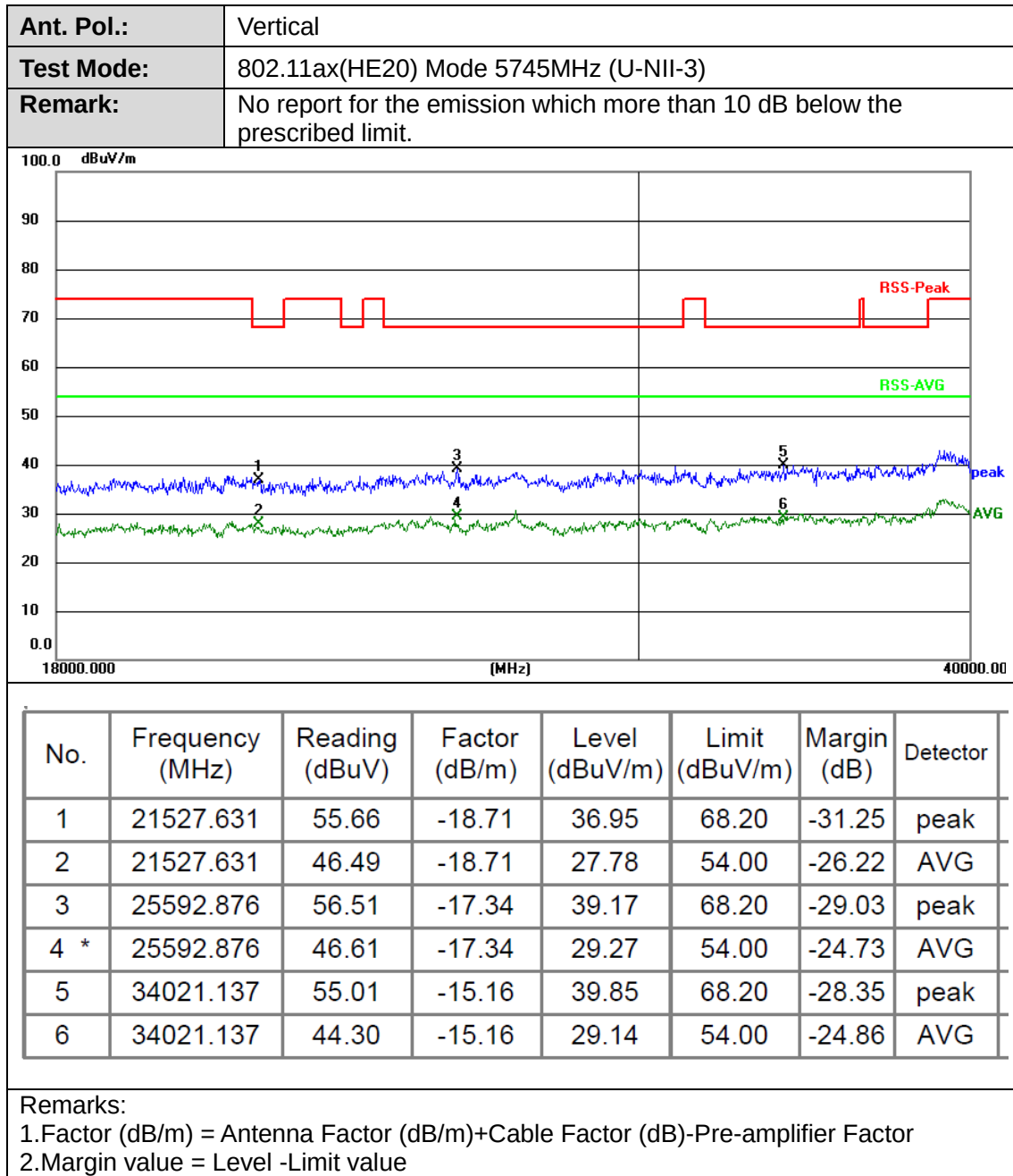


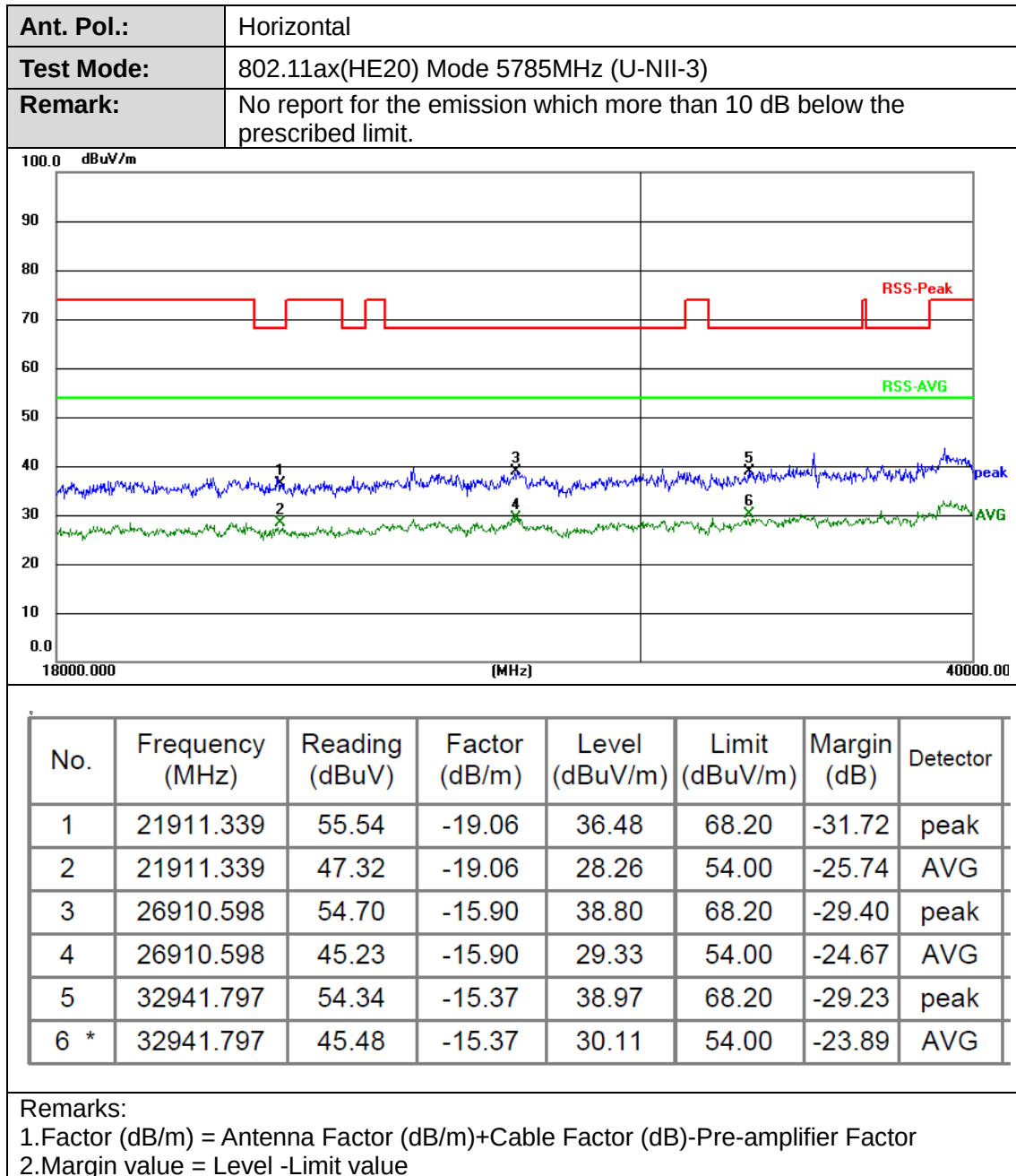


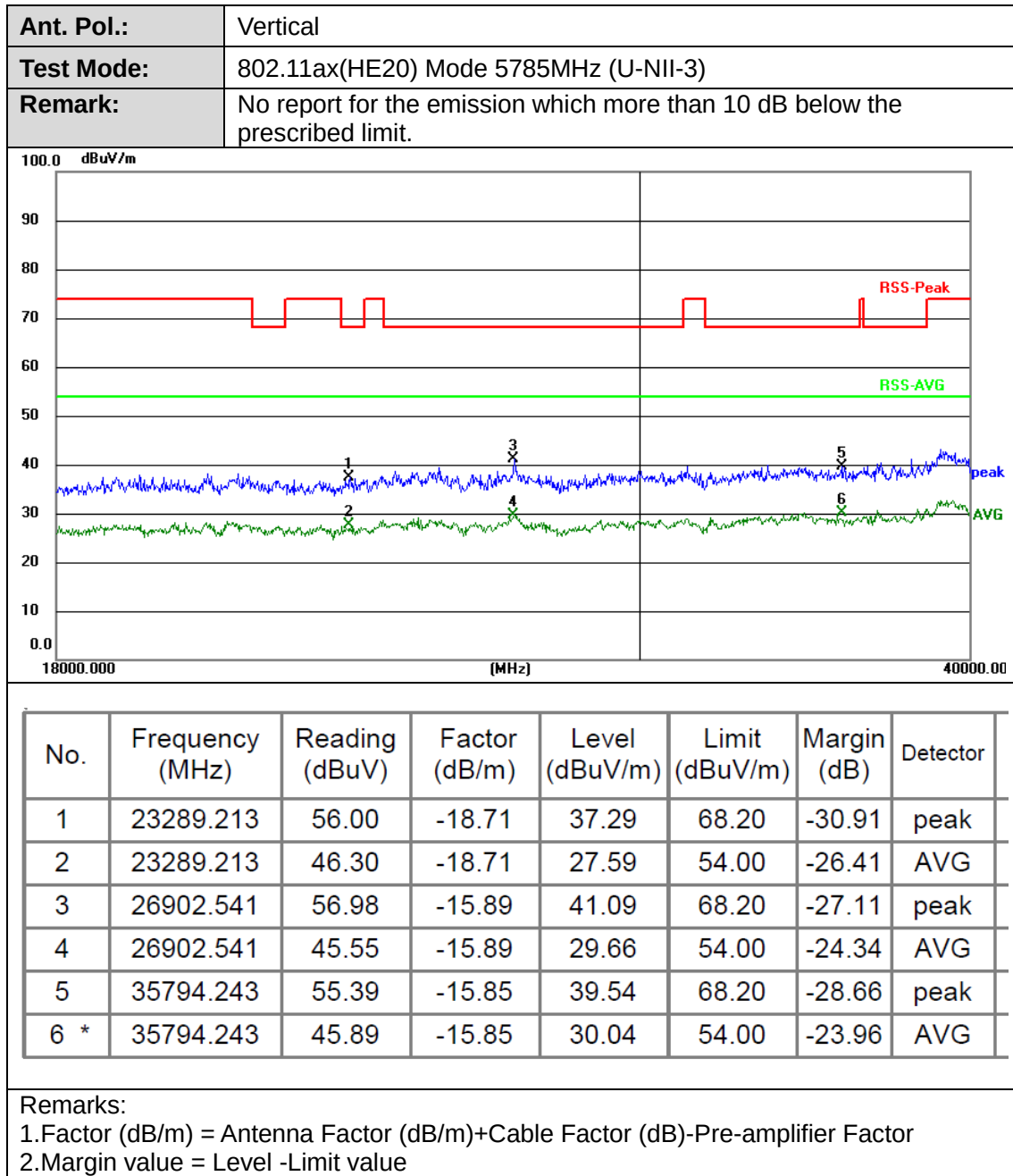


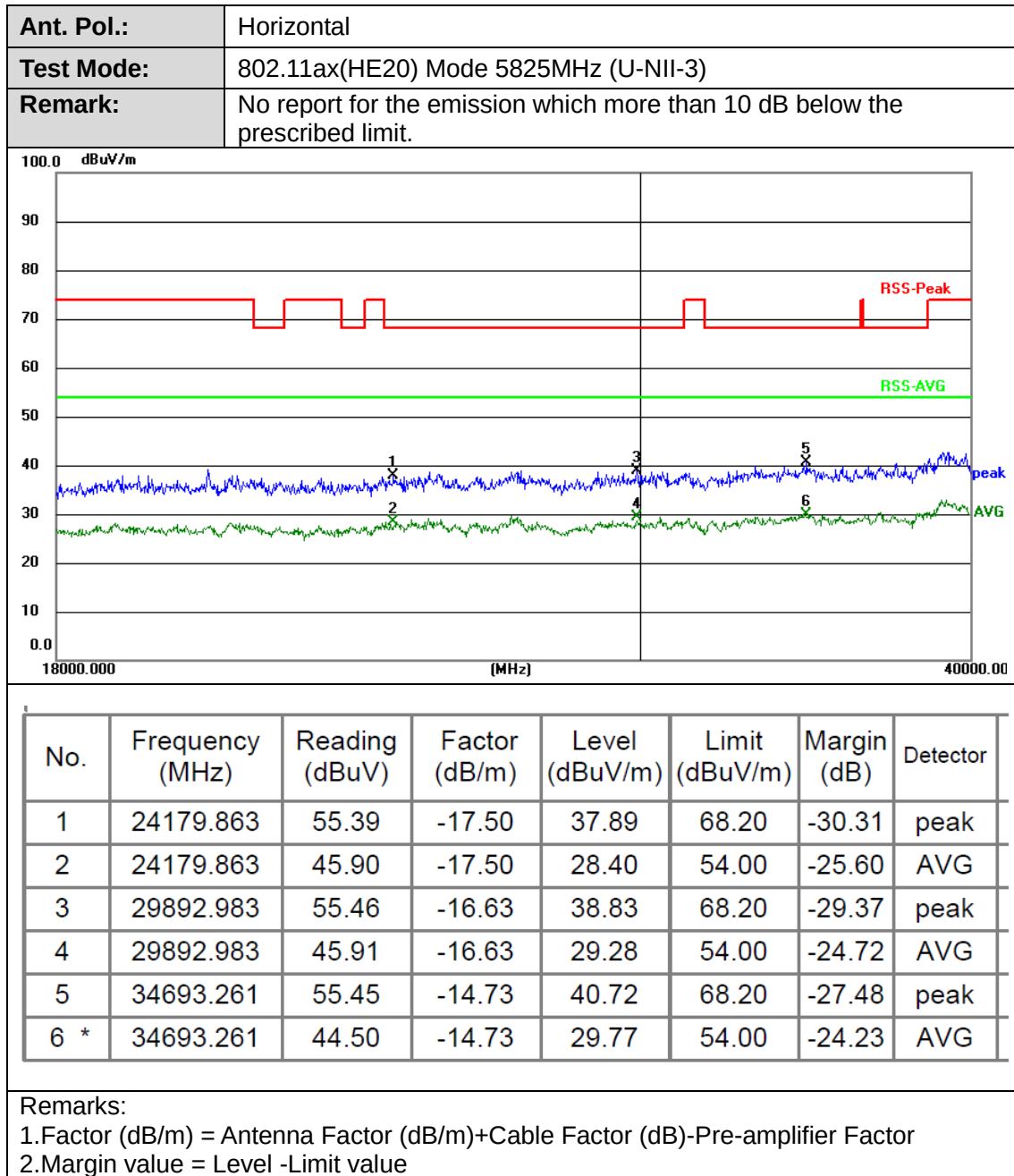


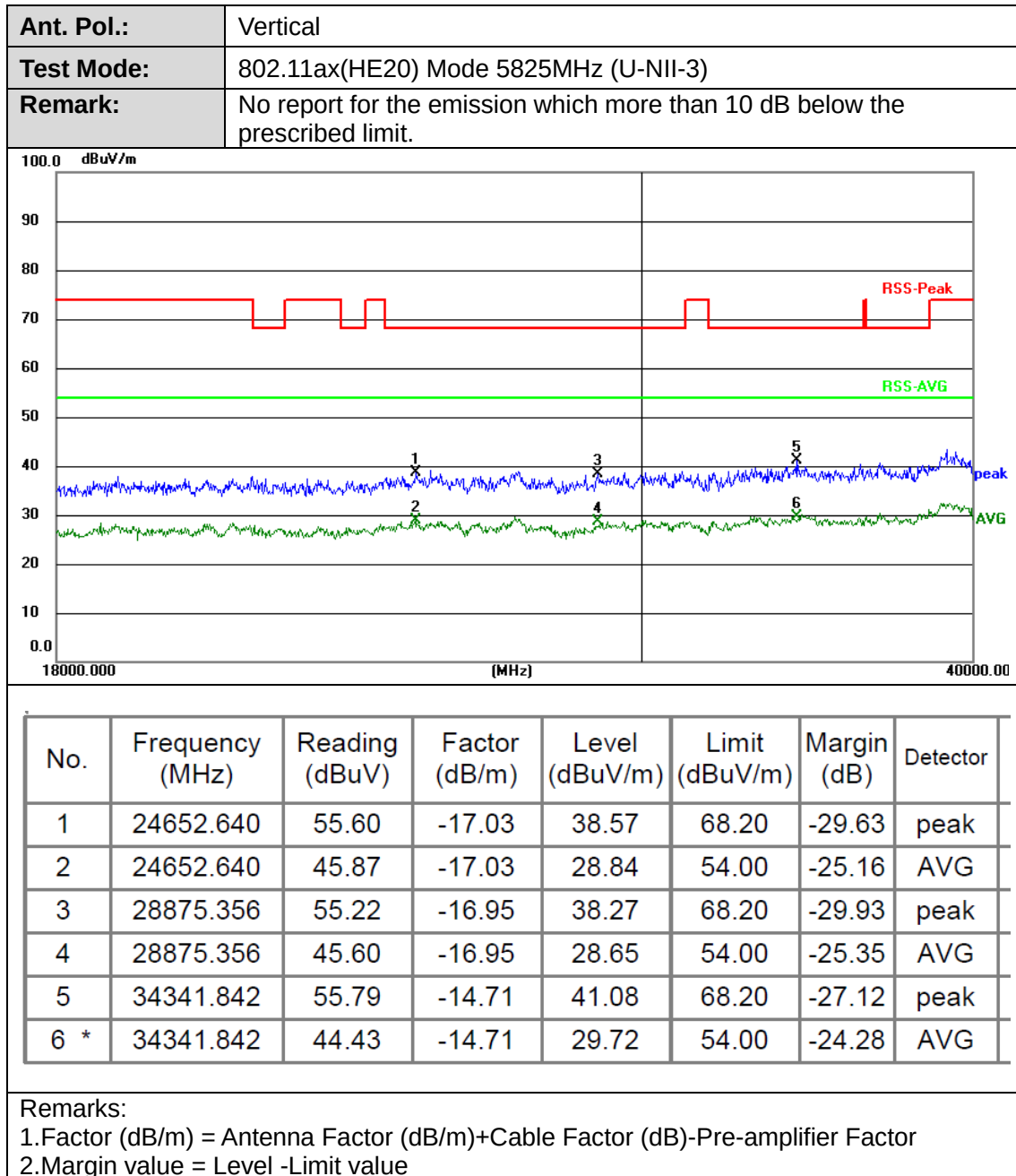


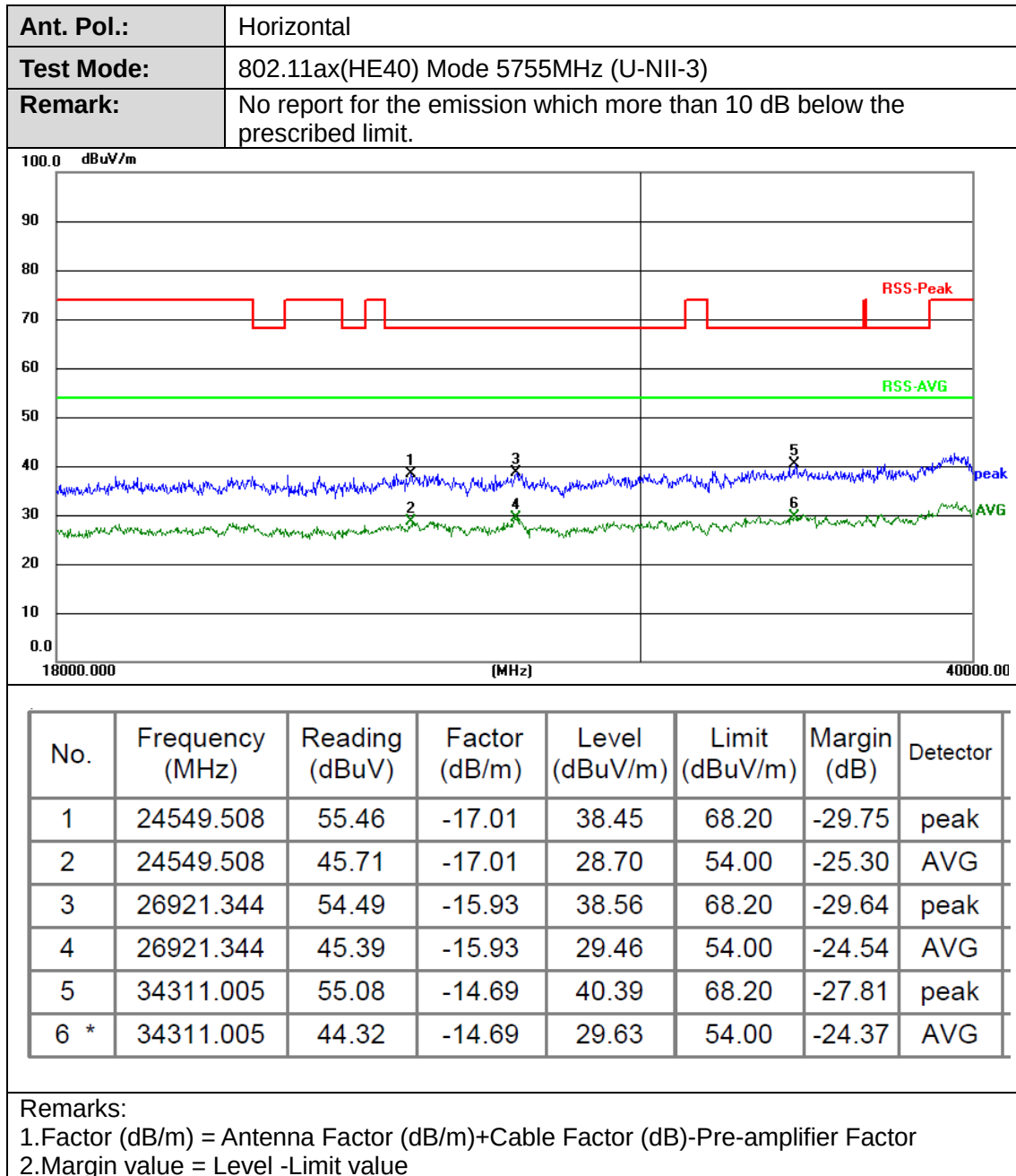


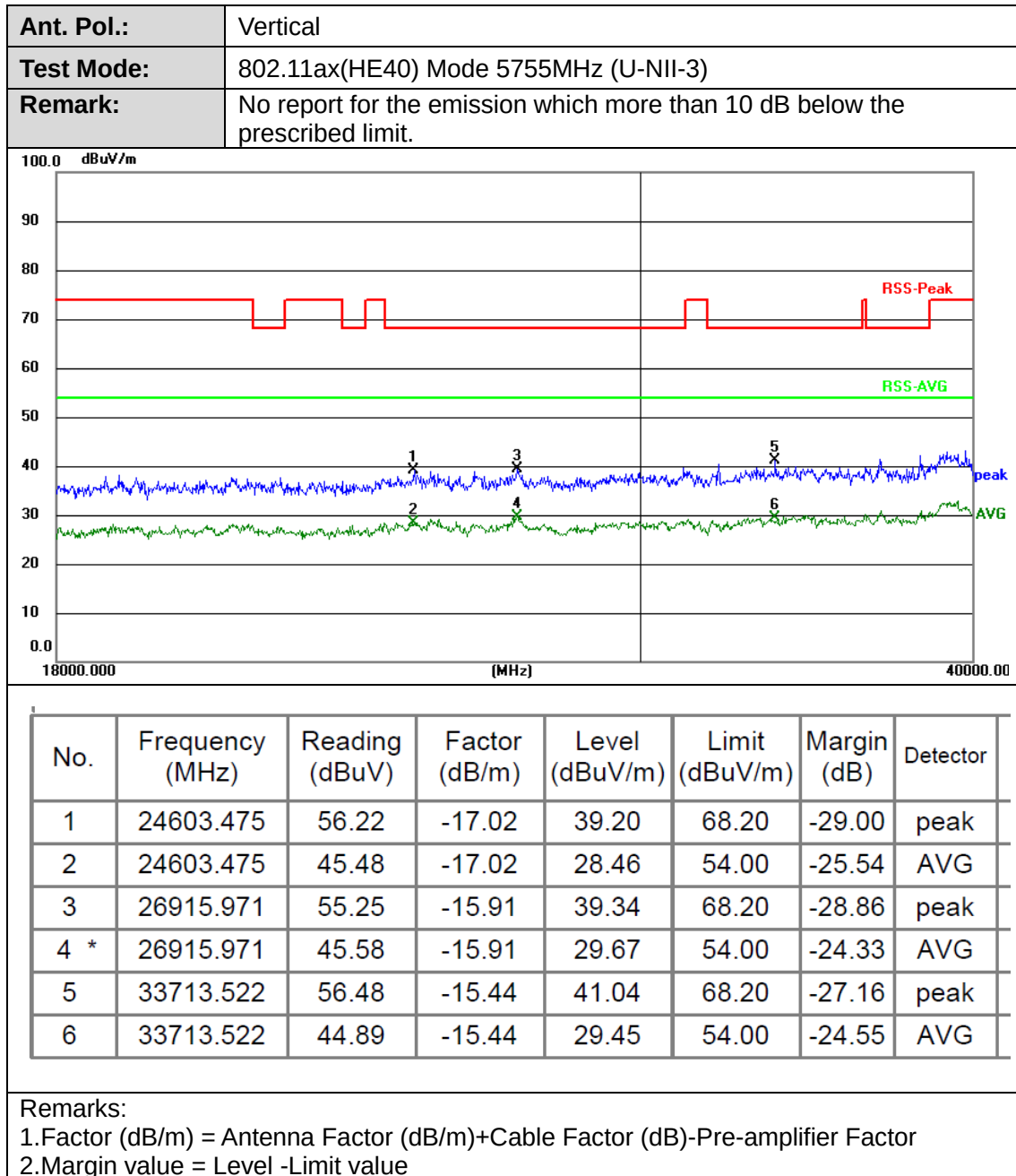


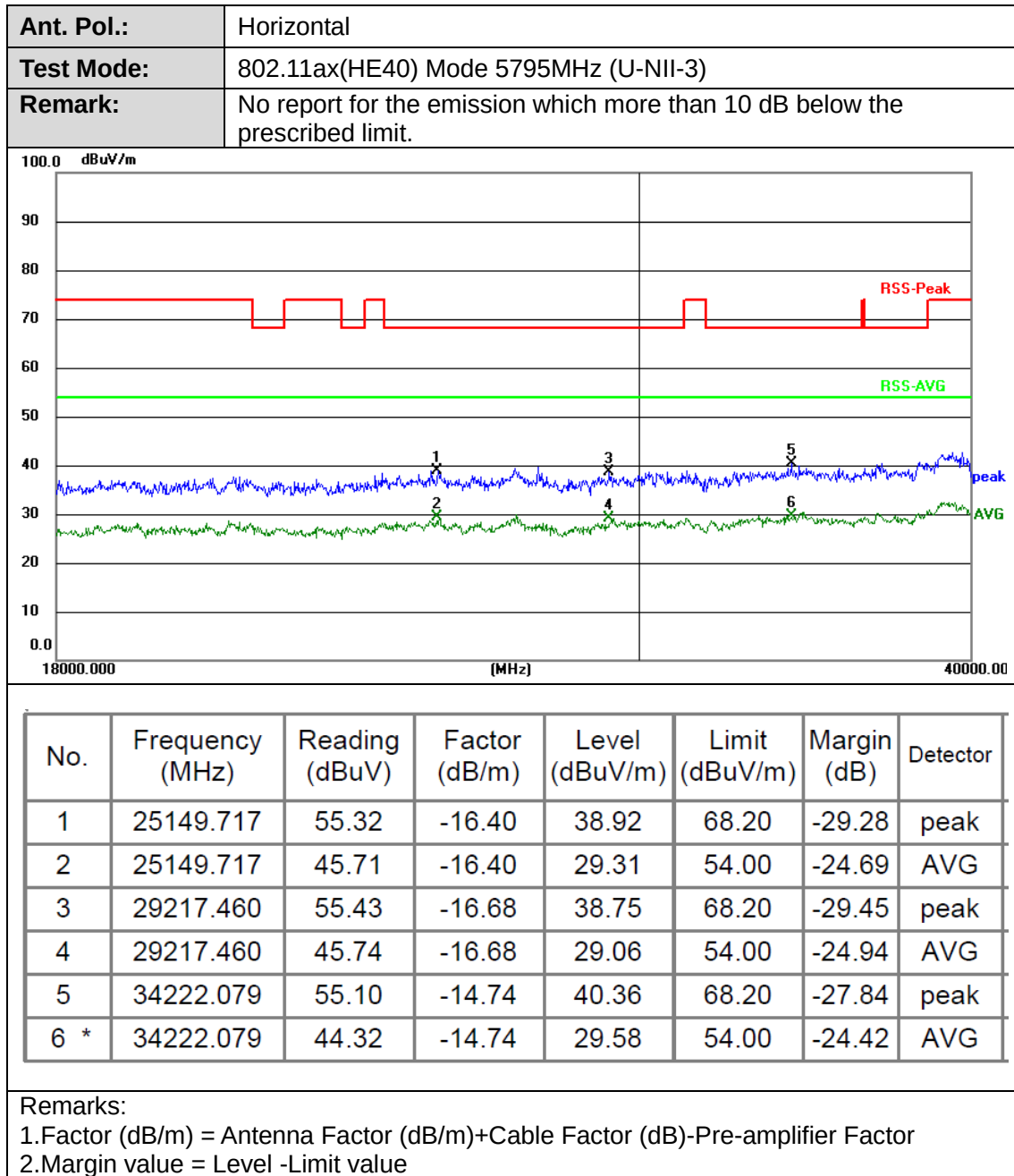


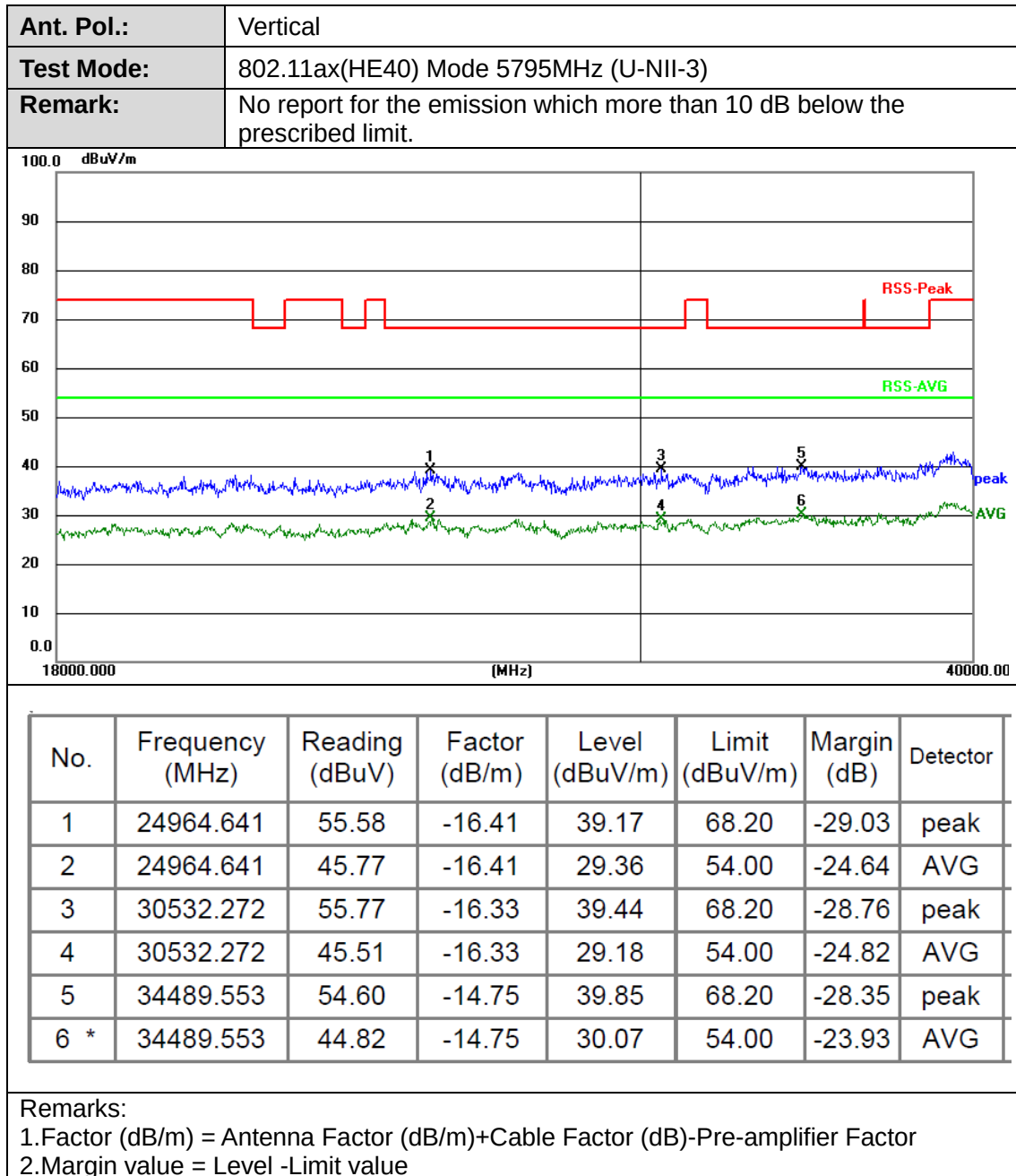












All the modes were tested, and the help function only reflects the worst mode.

3.3. Radiated Emissions Restricted Band

Limit

Limits of unwanted emission out of the restricted bands

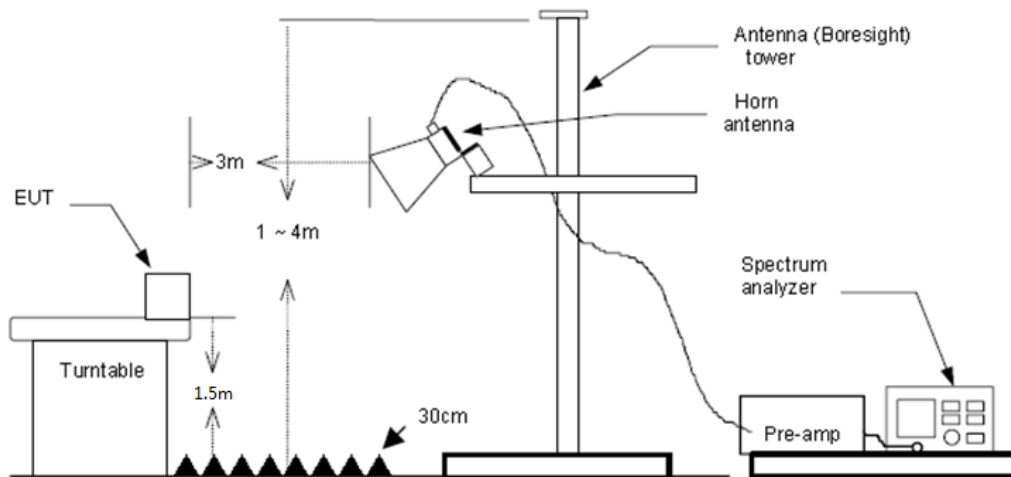
FCC CFR Title 47 Part 15 Subpart C Section 15.407(b)/ RSS-Gen 8.9

Frequency (MHz)	EIRP Limits (dBm)	Equivalent Field Strength at 3m (dBuV/m)
5150~5250	-27	68.2
5250~5350	-27	68.2
5470~5725	-27	68.2
5725~5825	-27(Note 2)	68.2
	10(Note 2)	105.2
	15.6(Note 2)	110.8
	27(Note 2)	122.2

Note: 1. The following formula is used to convert the equipment isotropic radiated power (eirp) to field strength: $E = \frac{1000000\sqrt{30P}}{3}$ uV/m, where P is the eirp (Watts)

2. According to FCC 16-24, All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27dBm/MHz at the band edge.

Test Configuration



Test Procedure

1. The EUT was setup and tested according to ANSI C63.10-2020+COR. 1-2023+C63.10A-2024+ERRATA TO C63.10A-2024 requirements.
2. The EUT is placed on a turn table which is 1.5 meter above ground. The turn table is rotated 360 degrees to determine the position of the maximum emission level.
3. The EUT was positioned such that the distance from antenna to the EUT was 3 meters.
4. The antenna is scanned from 1 meter to 4 meters to find out the maximum emission level. This is repeated for both horizontal and vertical polarization of the antenna. In order to find the maximum emission, all of the interface cables were manipulated according to ANSI C63.10-2020+COR. 1-2023+C63.10A-2024+ERRATA TO C63.10A-2024 on radiated measurement.



5. The receiver set as follow:

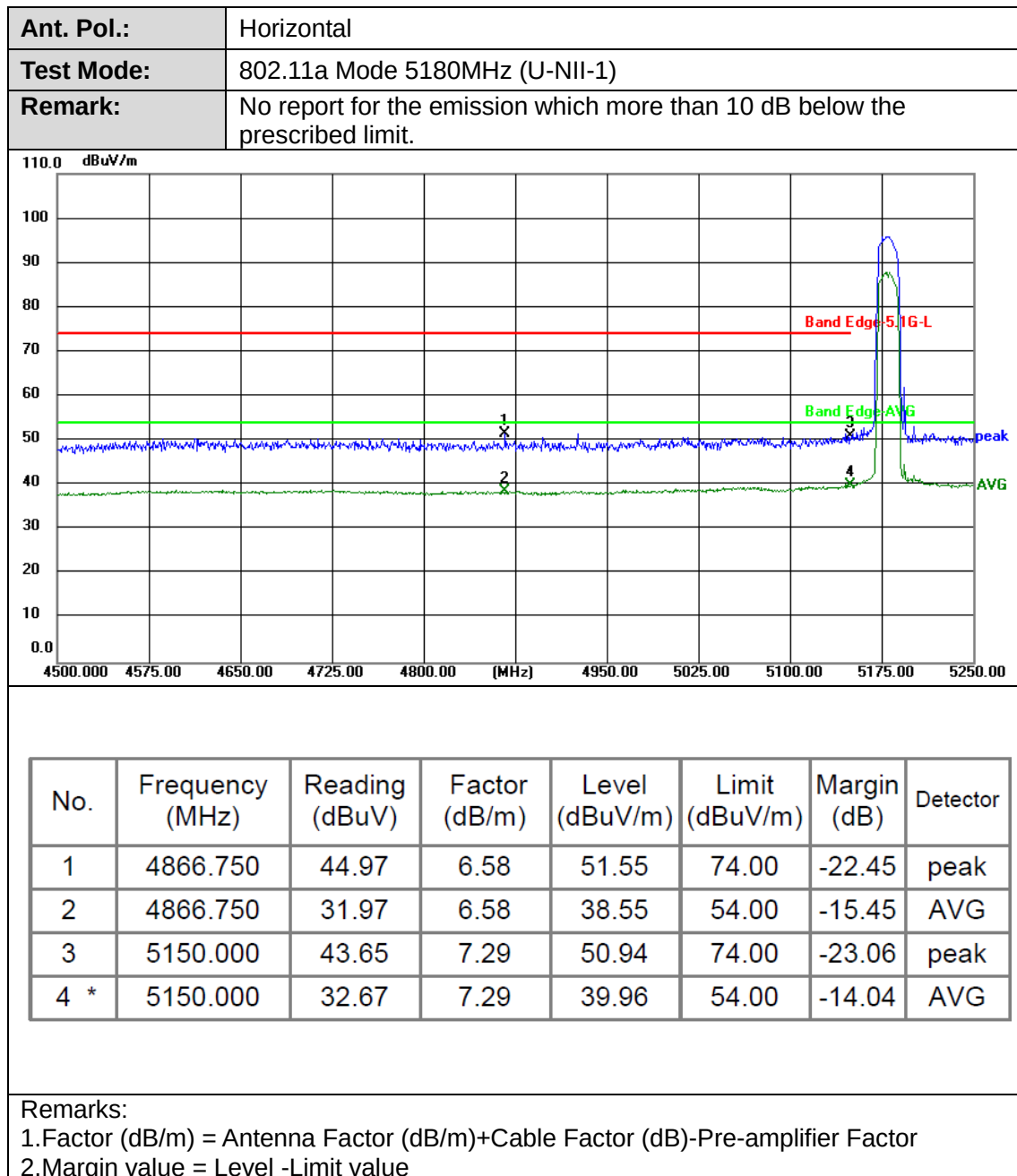
RBW=1MHz, VBW=3MHz PEAK detector for Peak value.

RBW=1MHz, VBW see note 1 with Peak Detector for Average Value.

Note 1: For measurements above 1 GHz the resolution bandwidth is set to 1 MHz, then the video bandwidth is set to 3 MHz for peak measurements and 1 MHz resolution bandwidth with 1/T video bandwidth with peak detector for average measurements. For the Duty Cycle please refer to appendix clause: Duty Cycle

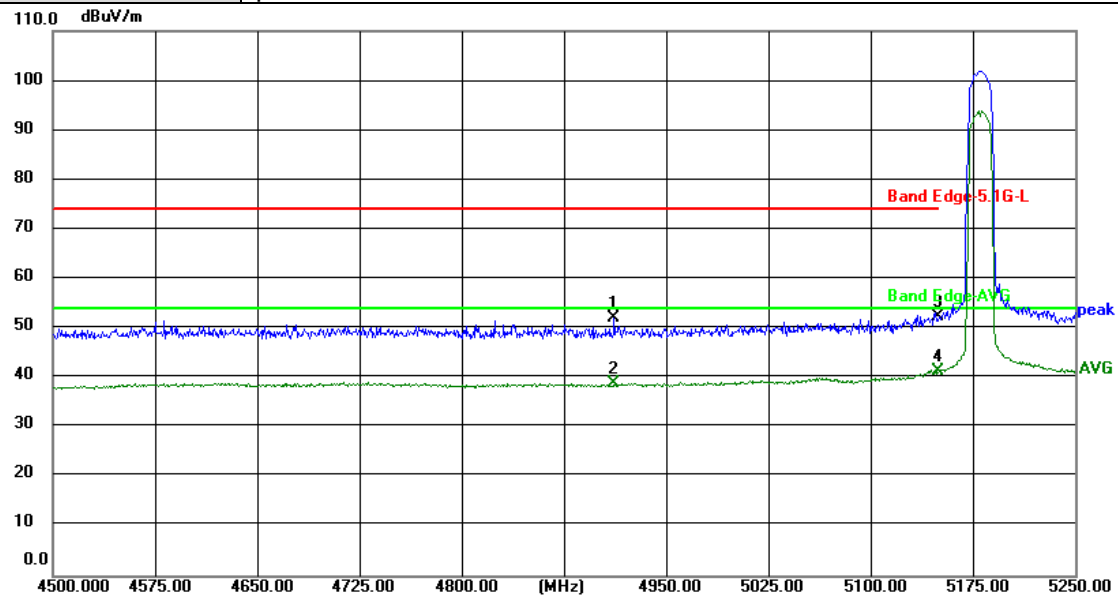
Test Mode

Please refer to the clause 2.4.

Test Results



Ant. Pol.:	Vertical
Test Mode:	802.11a Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 10 dB below the prescribed limit.



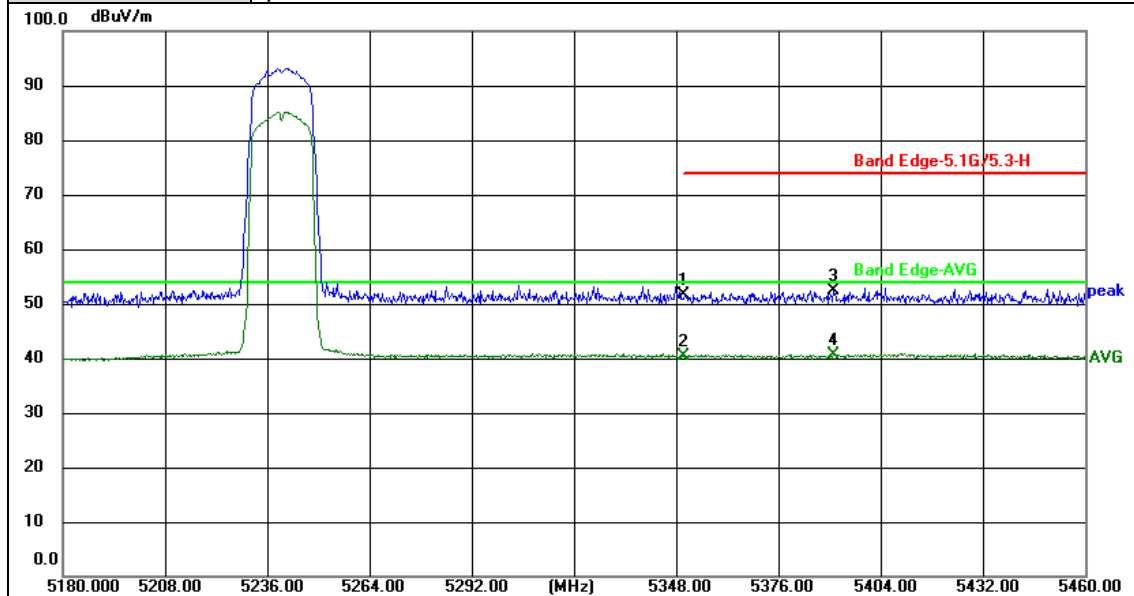
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4911.750	45.62	6.51	52.13	74.00	-21.87	peak
2	4911.750	32.49	6.51	39.00	54.00	-15.00	AVG
3	5150.000	44.98	7.29	52.27	74.00	-21.73	peak
4 *	5150.000	34.15	7.29	41.44	54.00	-12.56	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor
2. Margin value = Level - Limit value



Ant. Pol.:	Horizontal
Test Mode:	802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 10 dB below the prescribed limit.



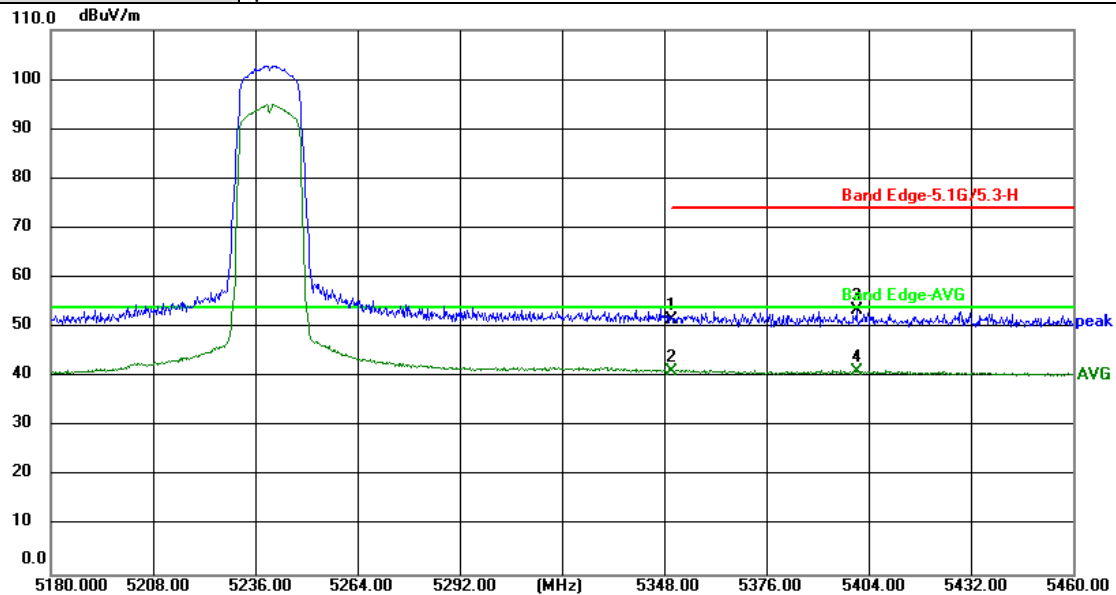
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	44.24	7.45	51.69	74.00	-22.31	peak
2	5350.000	32.99	7.45	40.44	54.00	-13.56	AVG
3	5391.120	44.73	7.55	52.28	74.00	-21.72	peak
4 *	5391.120	33.15	7.55	40.70	54.00	-13.30	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



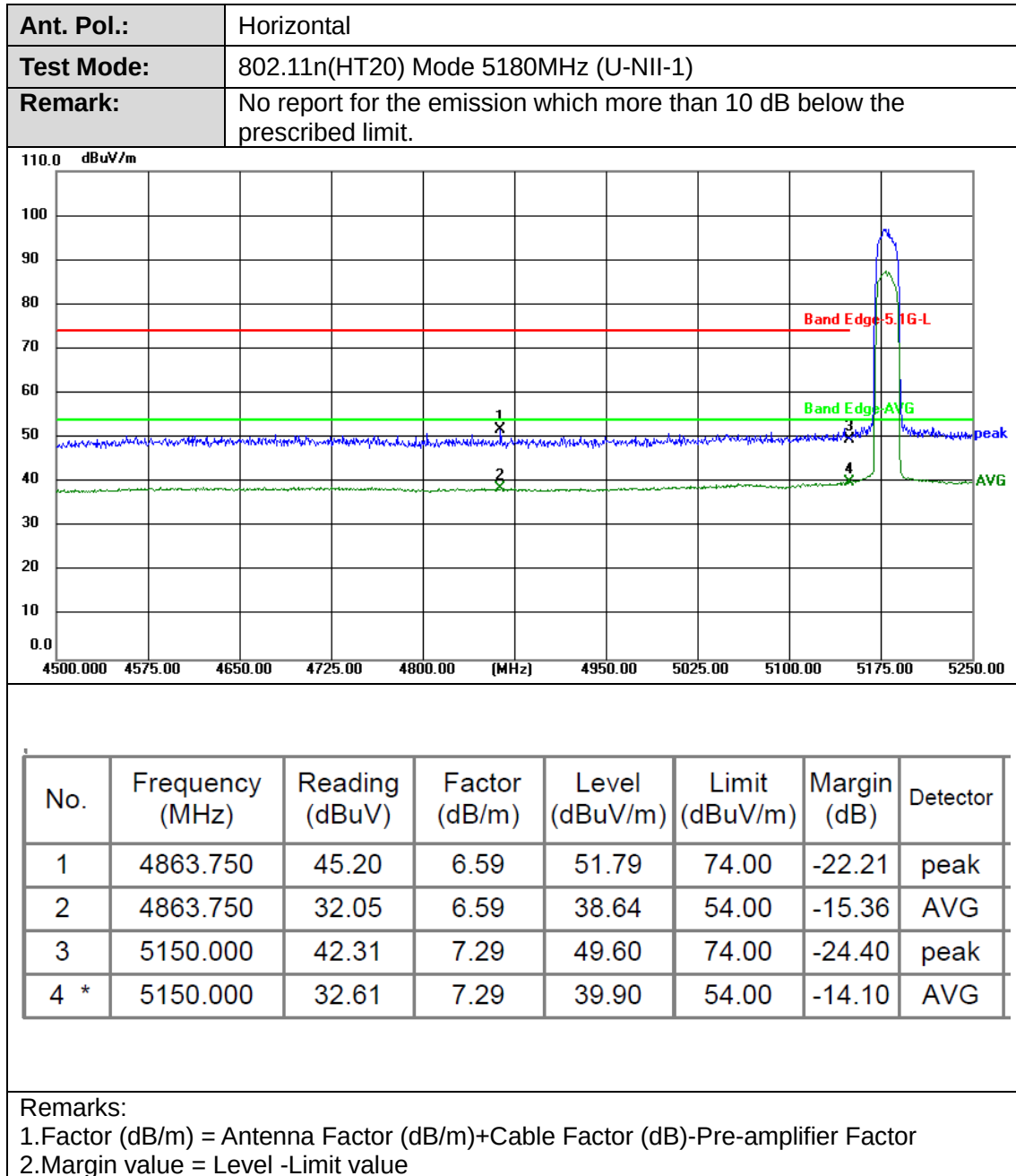
Ant. Pol.:	Vertical
Test Mode:	802.11a Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 10 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	44.18	7.45	51.63	74.00	-22.37	peak
2	5350.000	33.70	7.45	41.15	54.00	-12.85	AVG
3	5400.640	45.97	7.58	53.55	74.00	-20.45	peak
4 *	5400.640	33.64	7.58	41.22	54.00	-12.78	AVG

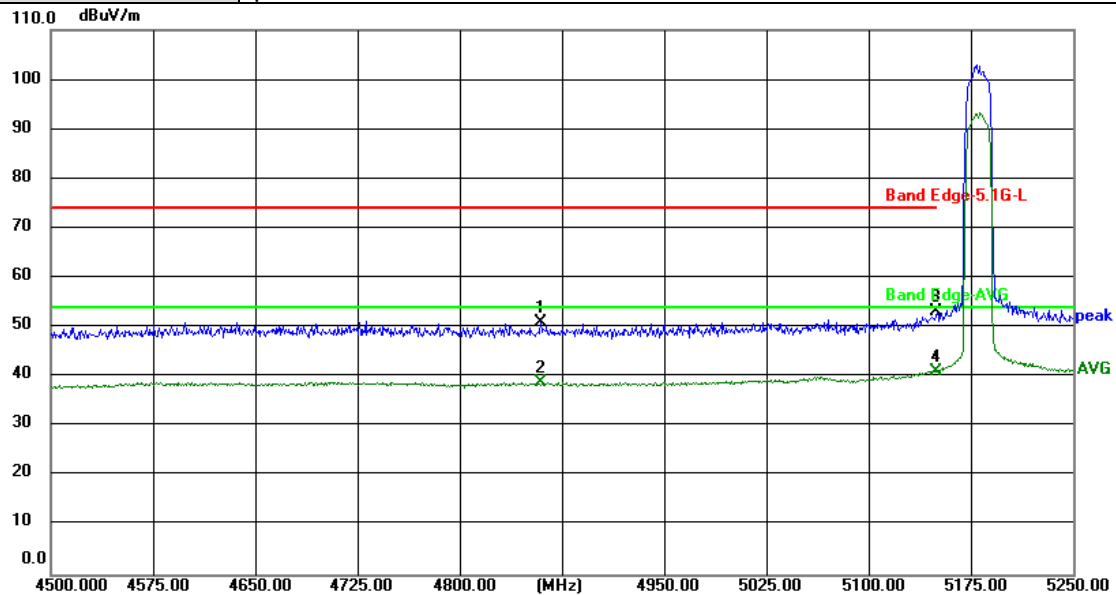
Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor
2. Margin value = Level - Limit value





Ant. Pol.:	Vertical
Test Mode:	802.11n(HT20) Mode 5180MHz (U-NII-1)
Remark:	No report for the emission which more than 10 dB below the prescribed limit.



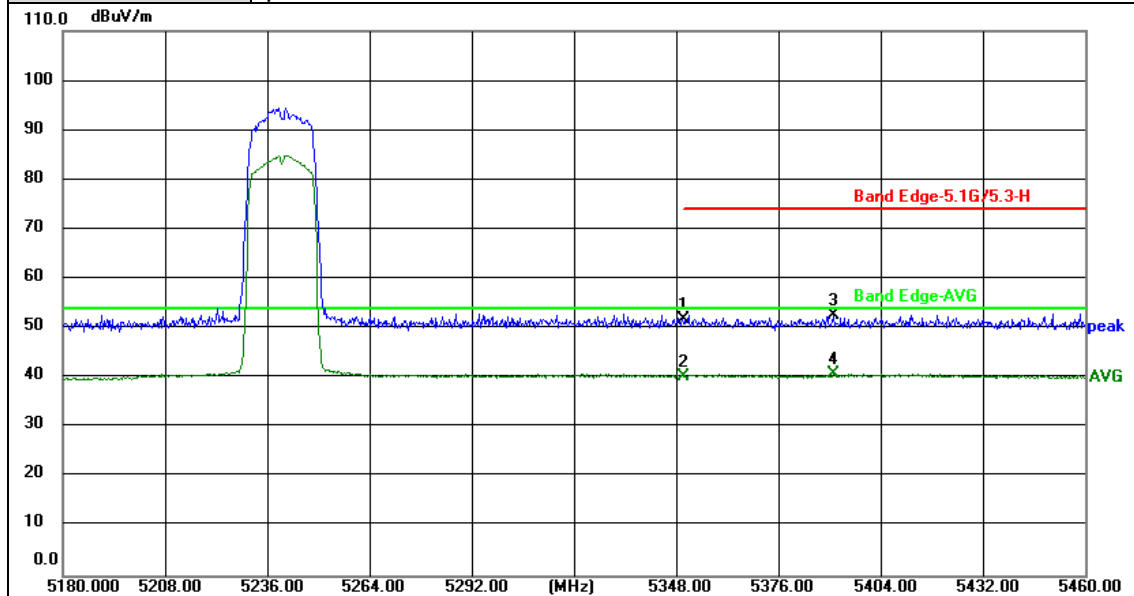
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4859.250	44.30	6.59	50.89	74.00	-23.11	peak
2	4859.250	32.21	6.59	38.80	54.00	-15.20	AVG
3	5150.000	45.95	7.29	53.24	74.00	-20.76	peak
4 *	5150.000	33.78	7.29	41.07	54.00	-12.93	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor
2. Margin value = Level - Limit value



Ant. Pol.:	Horizontal
Test Mode:	802.11n(HT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 10 dB below the prescribed limit.



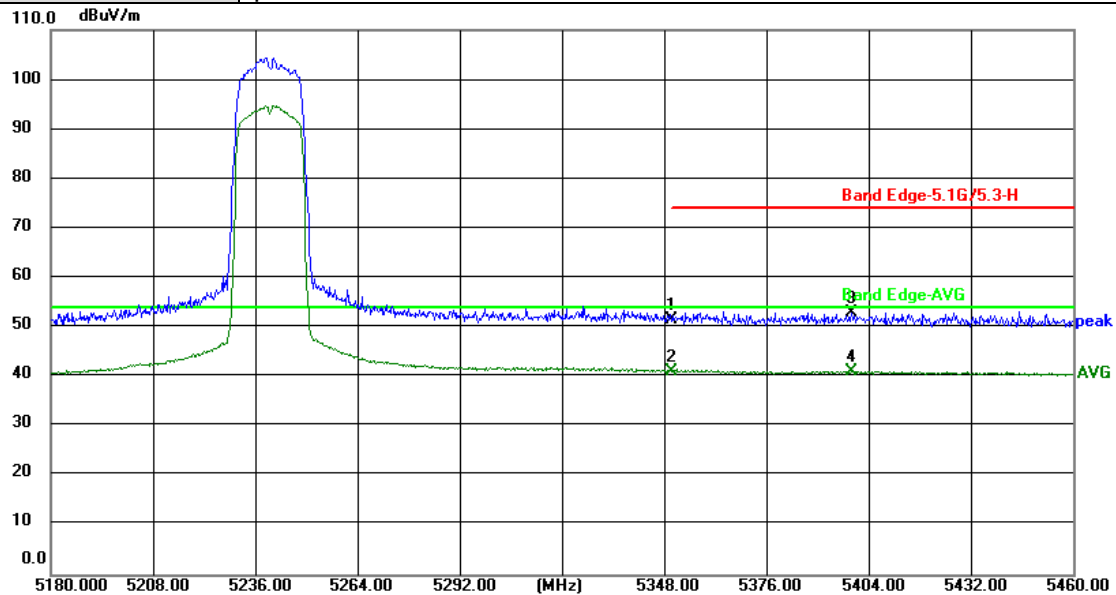
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	44.45	7.45	51.90	74.00	-22.10	peak
2	5350.000	32.89	7.45	40.34	54.00	-13.66	AVG
3	5391.120	44.98	7.55	52.53	74.00	-21.47	peak
4 *	5391.120	33.21	7.55	40.76	54.00	-13.24	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



Ant. Pol.:	Vertical
Test Mode:	802.11n(HT20) Mode 5240MHz (U-NII-1)
Remark:	No report for the emission which more than 10 dB below the prescribed limit.



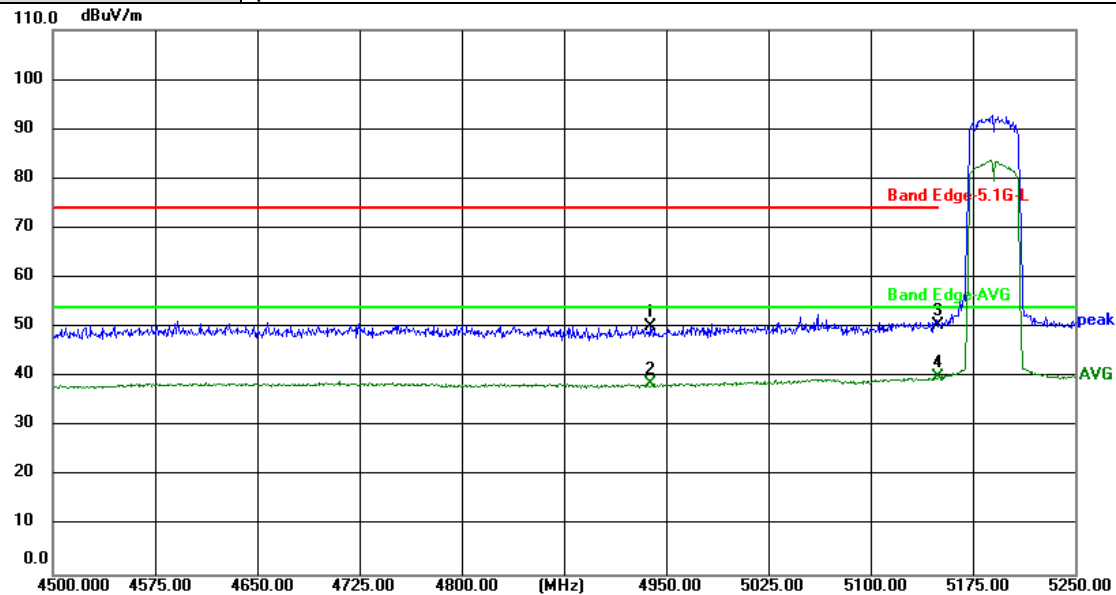
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	43.99	7.45	51.44	74.00	-22.56	peak
2	5350.000	33.66	7.45	41.11	54.00	-12.89	AVG
3	5399.240	45.38	7.58	52.96	74.00	-21.04	peak
4 *	5399.240	33.63	7.58	41.21	54.00	-12.79	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor
2. Margin value = Level - Limit value



Ant. Pol.:	Horizontal
Test Mode:	802.11n(HT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 10 dB below the prescribed limit.



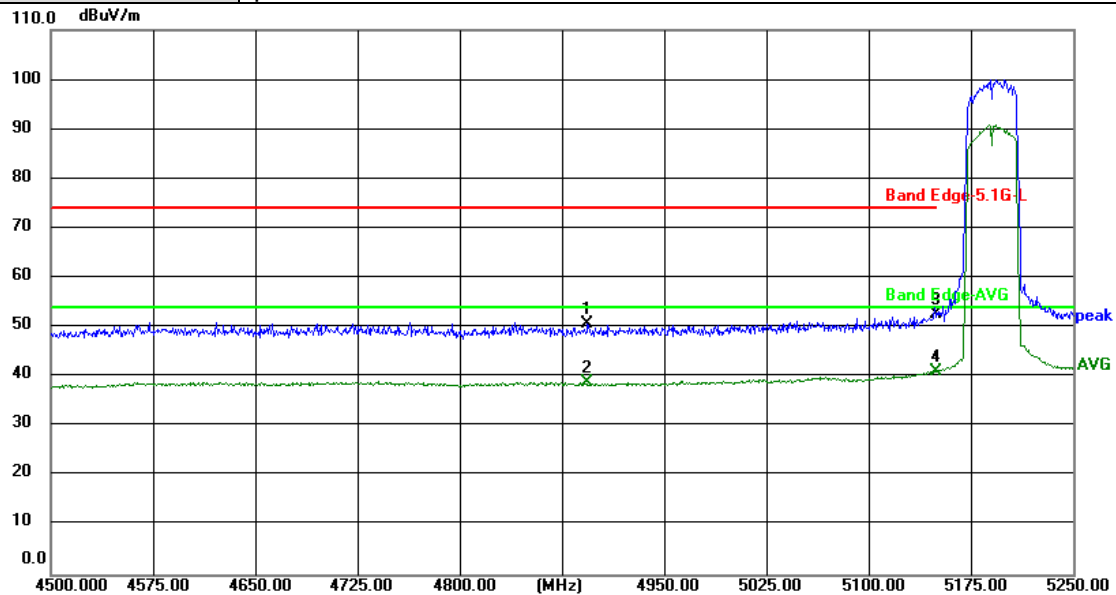
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4938.000	43.71	6.50	50.21	74.00	-23.79	peak
2	4938.000	32.20	6.50	38.70	54.00	-15.30	AVG
3	5150.000	43.14	7.29	50.43	74.00	-23.57	peak
4 *	5150.000	32.77	7.29	40.06	54.00	-13.94	AVG

Remarks:

- Factor (dB/m) = Antenna Factor (dB/m)+Cable Factor (dB)-Pre-amplifier Factor
- Margin value = Level -Limit value



Ant. Pol.:	Vertical
Test Mode:	802.11n(HT40) Mode 5190MHz (U-NII-1)
Remark:	No report for the emission which more than 10 dB below the prescribed limit.



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4893.750	44.28	6.54	50.82	74.00	-23.18	peak
2	4893.750	32.41	6.54	38.95	54.00	-15.05	AVG
3	5150.000	45.38	7.29	52.67	74.00	-21.33	peak
4 *	5150.000	33.76	7.29	41.05	54.00	-12.95	AVG

Remarks:

1. Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB) - Pre-amplifier Factor
2. Margin value = Level - Limit value