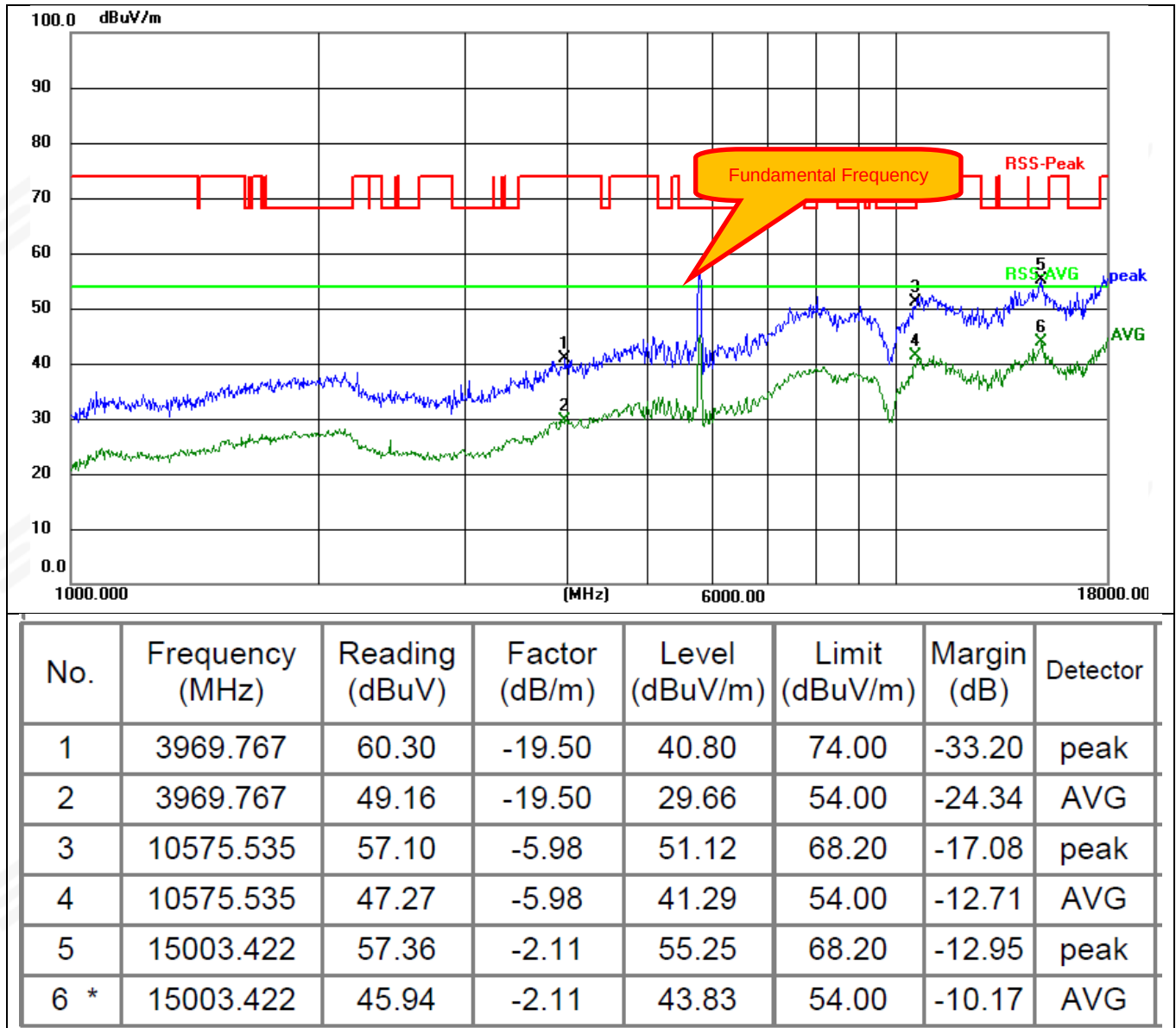


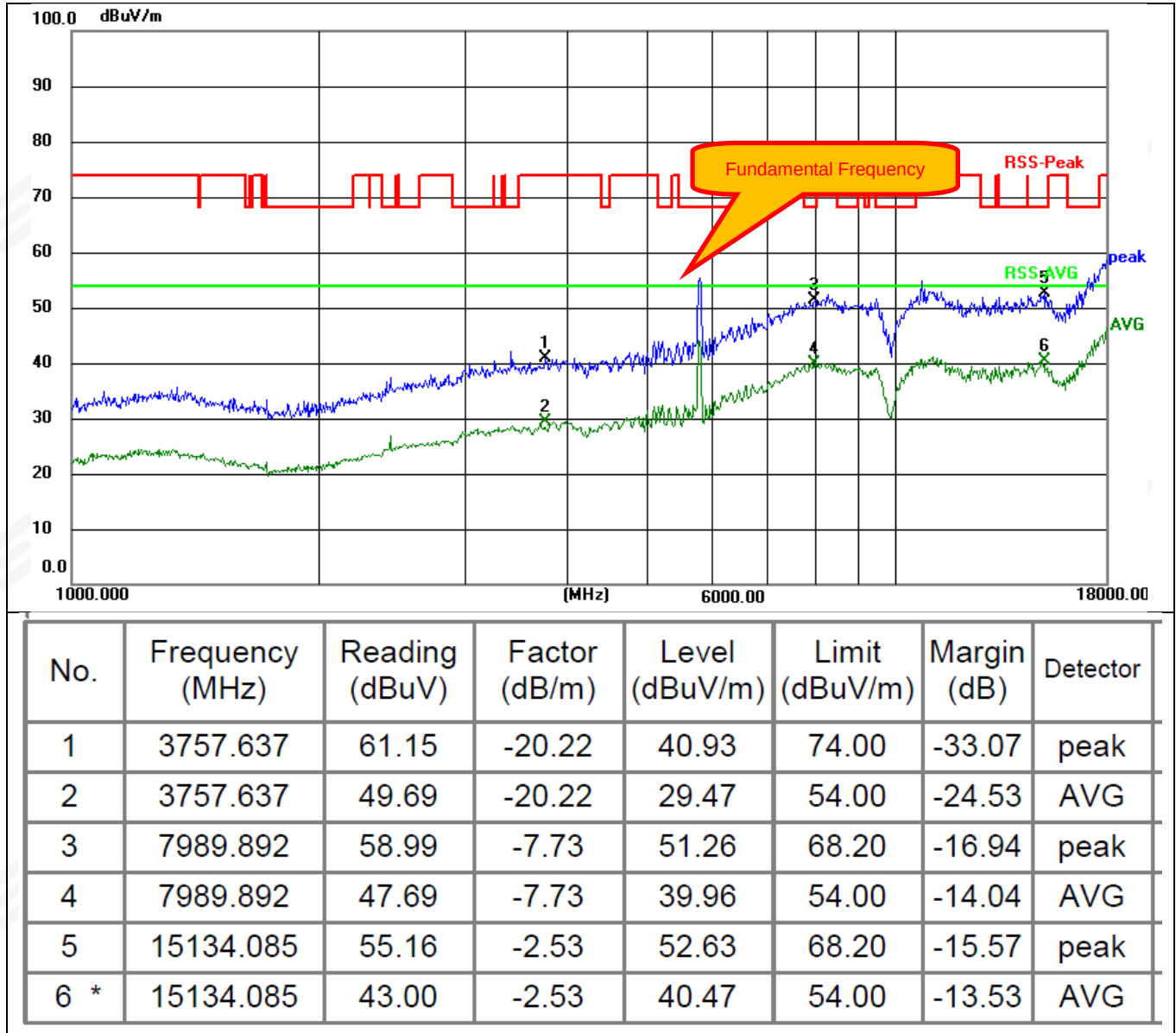


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5775 MHz(Worst data modulation AC80 MIMO mode)		





Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5775 MHz(Worst data modulation AC80 MIMO mode)		

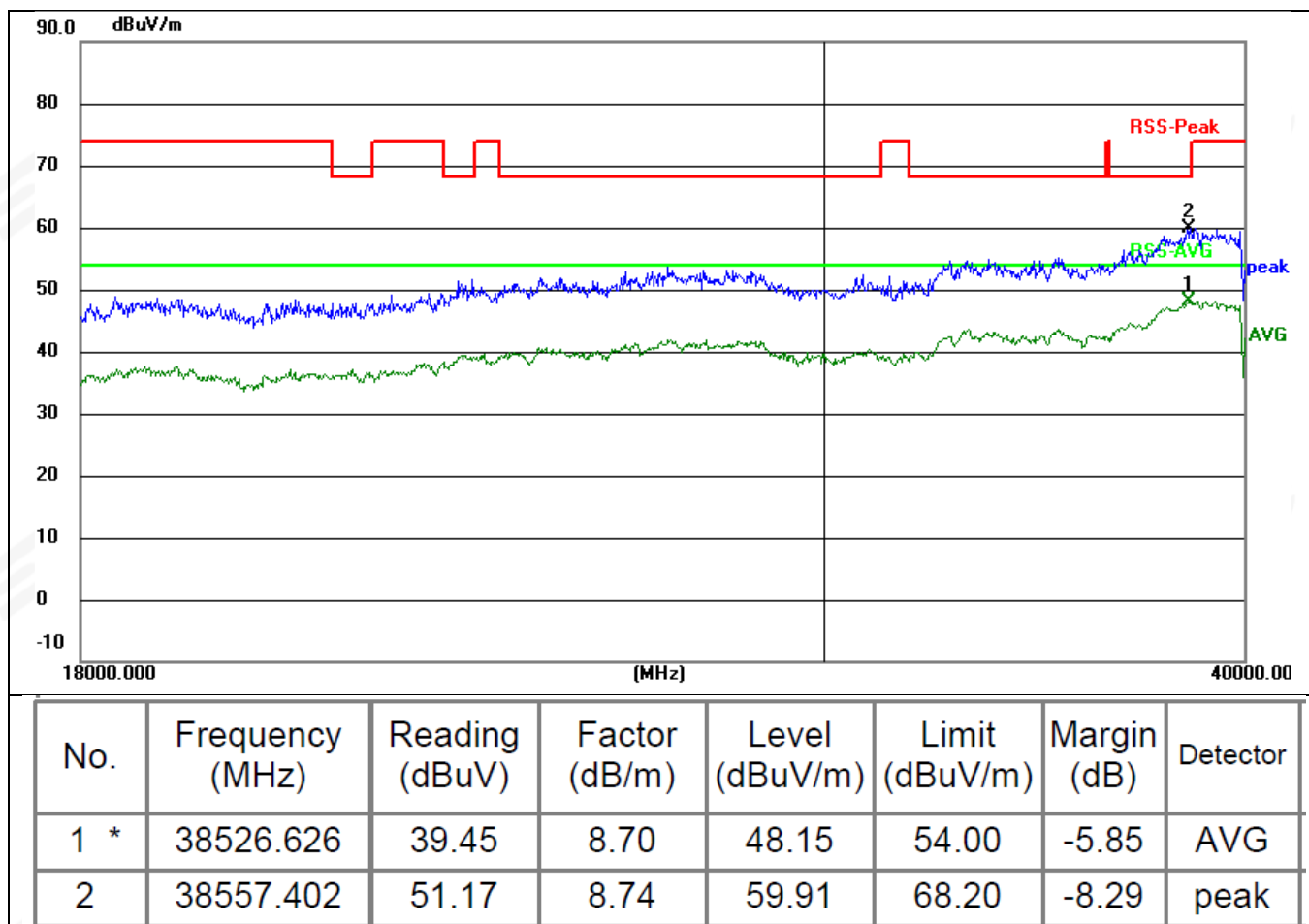




18-40GHz

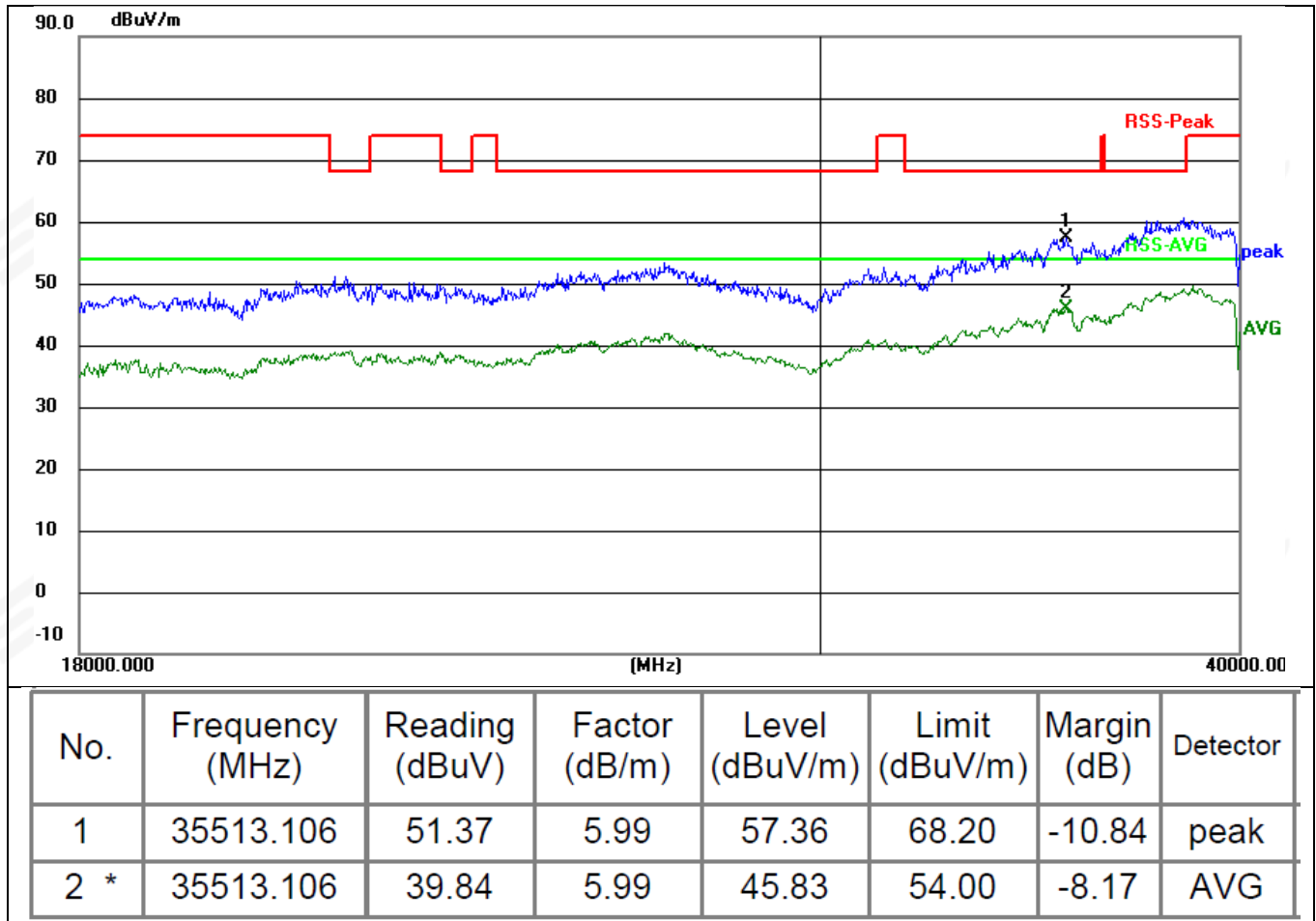
5.1G

Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5180 MHz(Worst data modulation AC20 MIMO mode)		



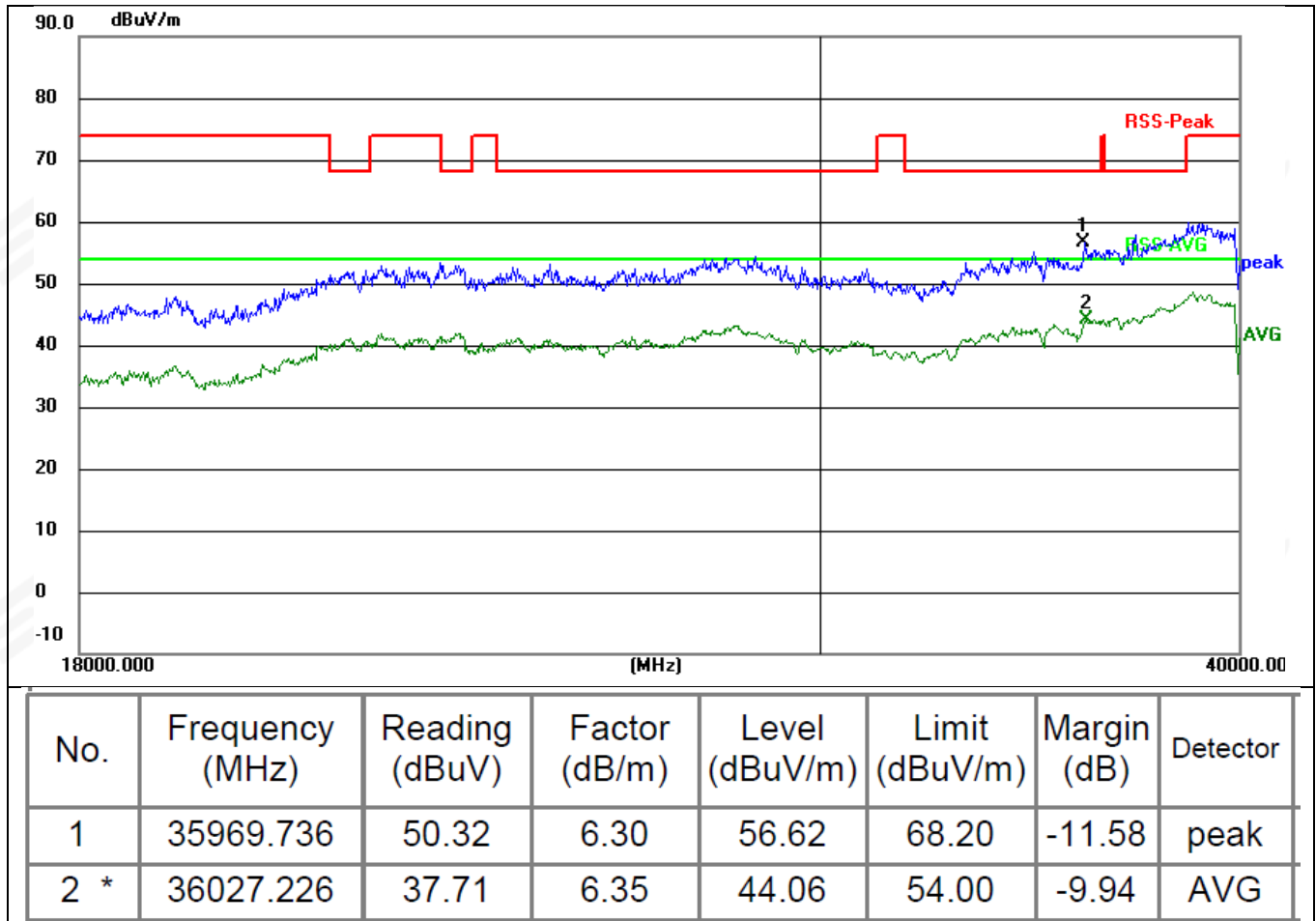


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5180 MHz(Worst data modulation AC20 MIMO mode)		



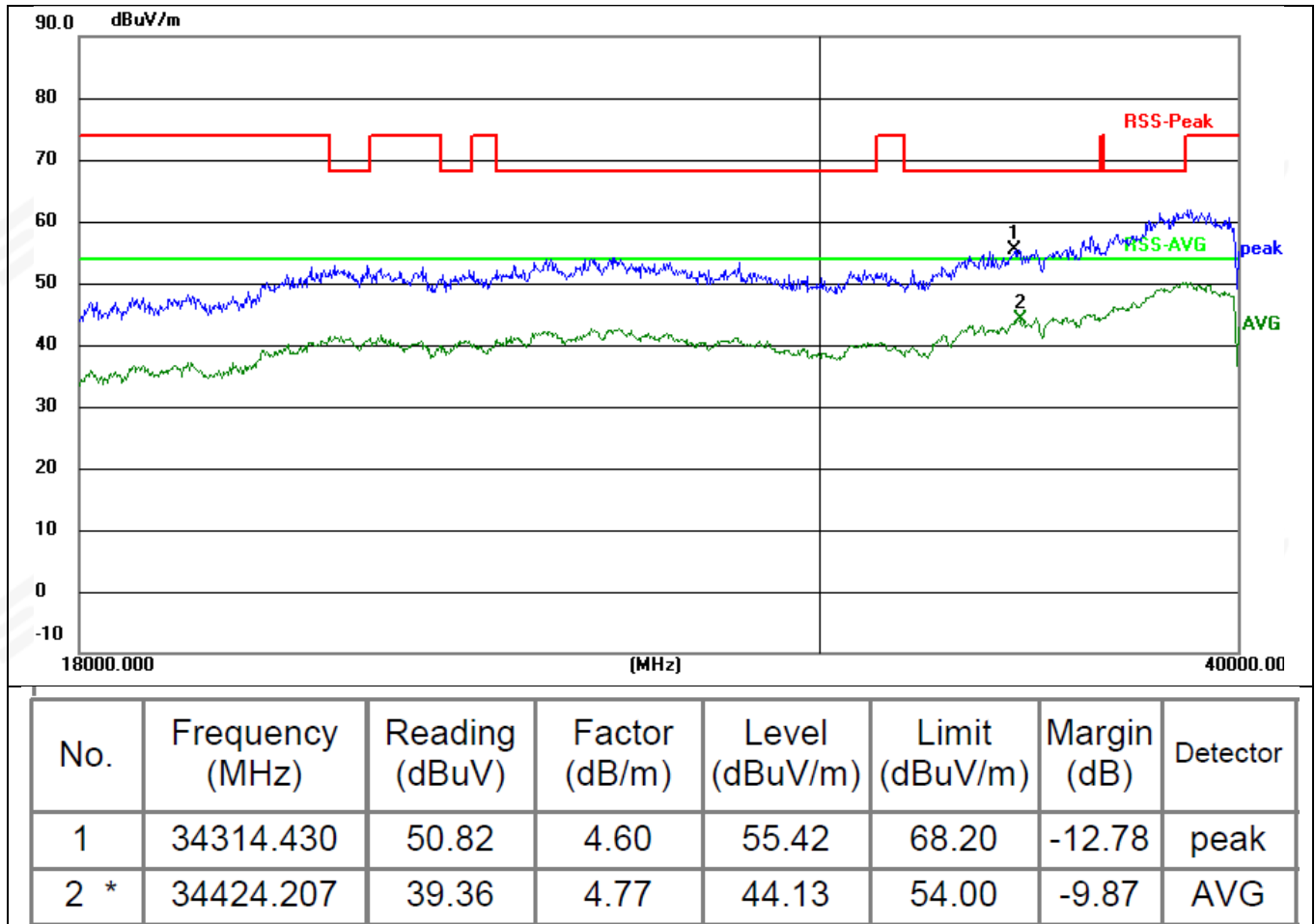


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5200 MHz(Worst data modulation AC20 MIMO mode)		



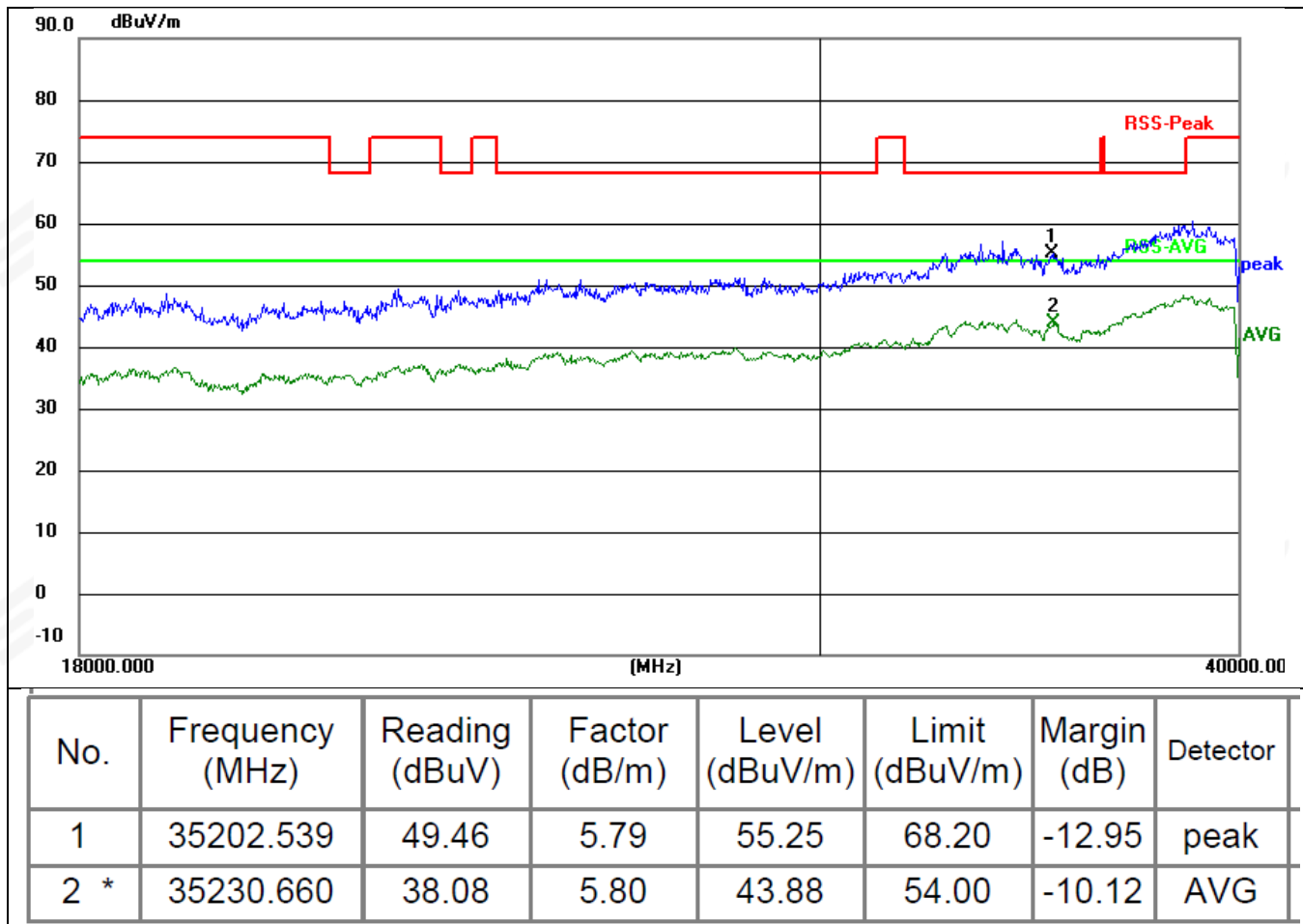


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5200 MHz(Worst data modulation AC20 MIMO mode)		



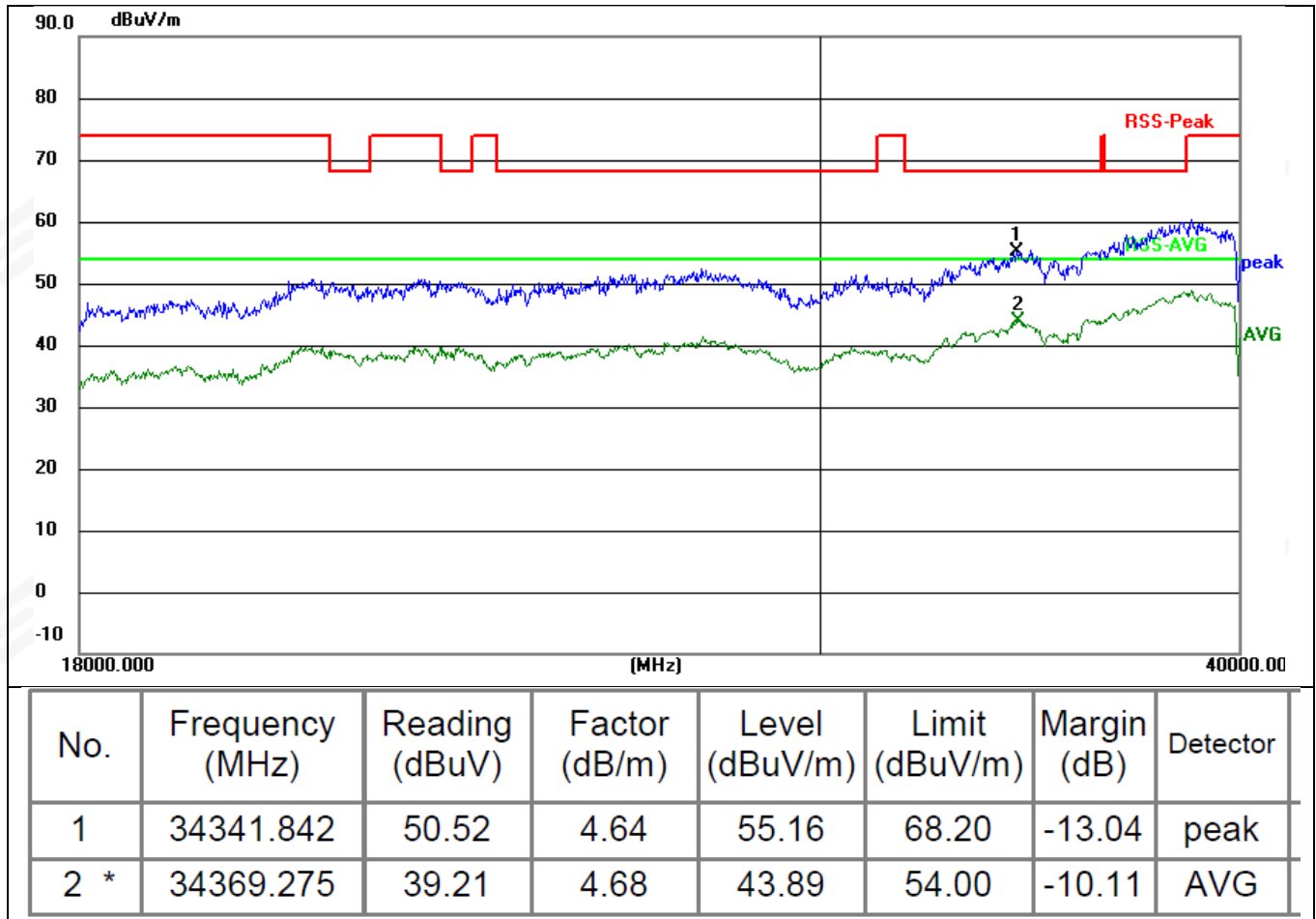


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5240 MHz(Worst data modulation AC20 MIMO mode)		



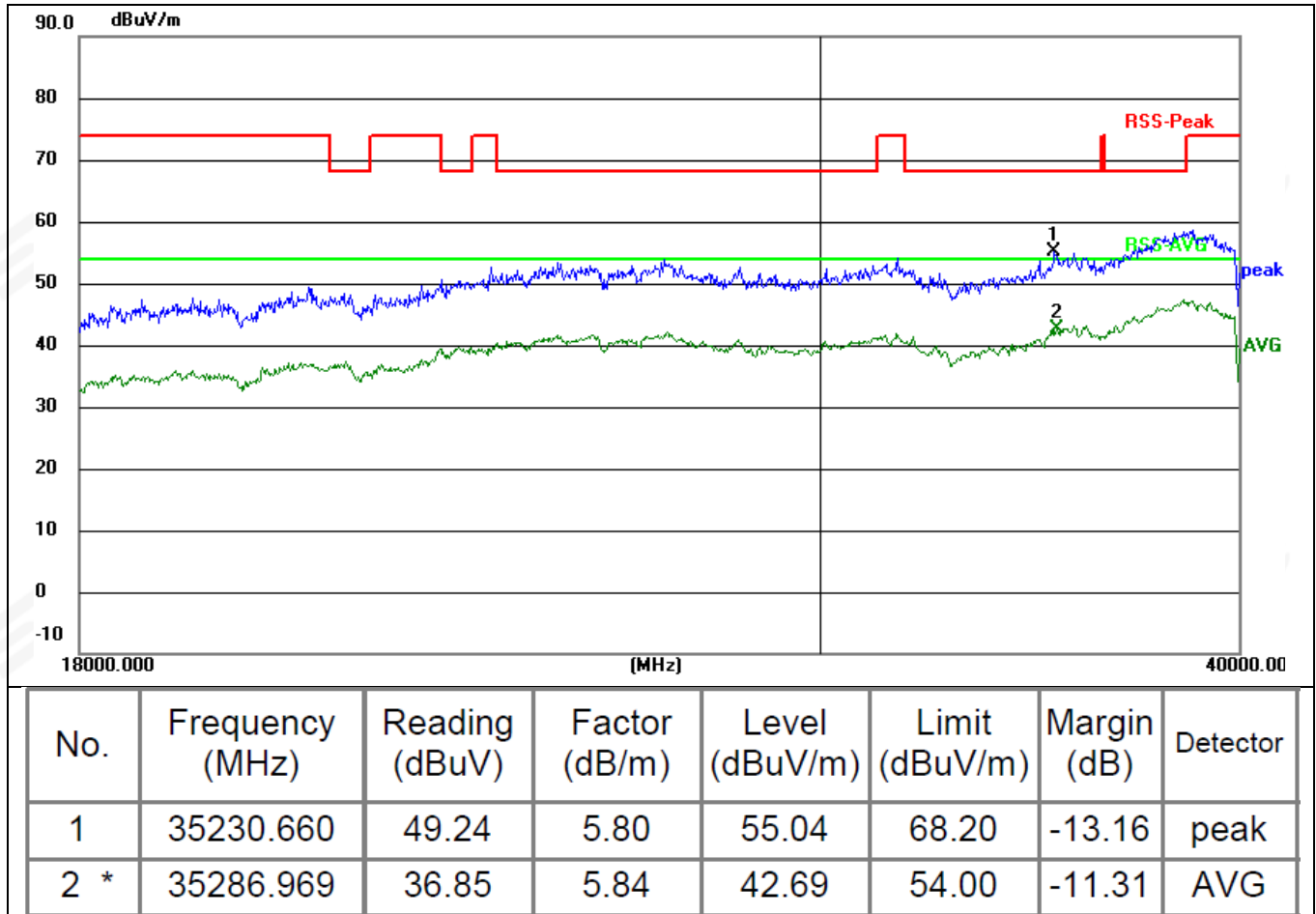


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5240 MHz(Worst data modulation AC20 MIMO mode)		



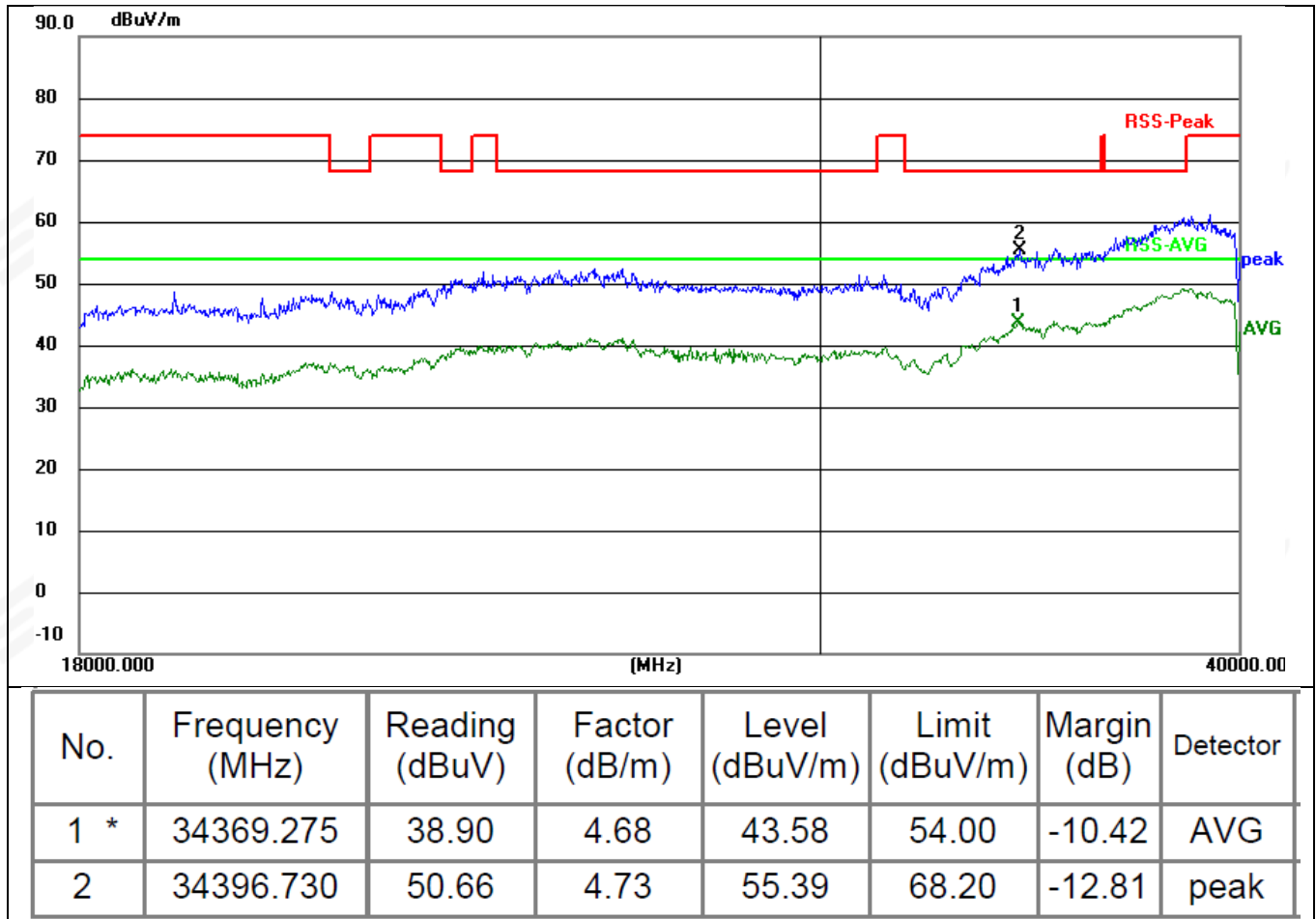


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5190 MHz(Worst data modulation AC40 MIMO mode)		



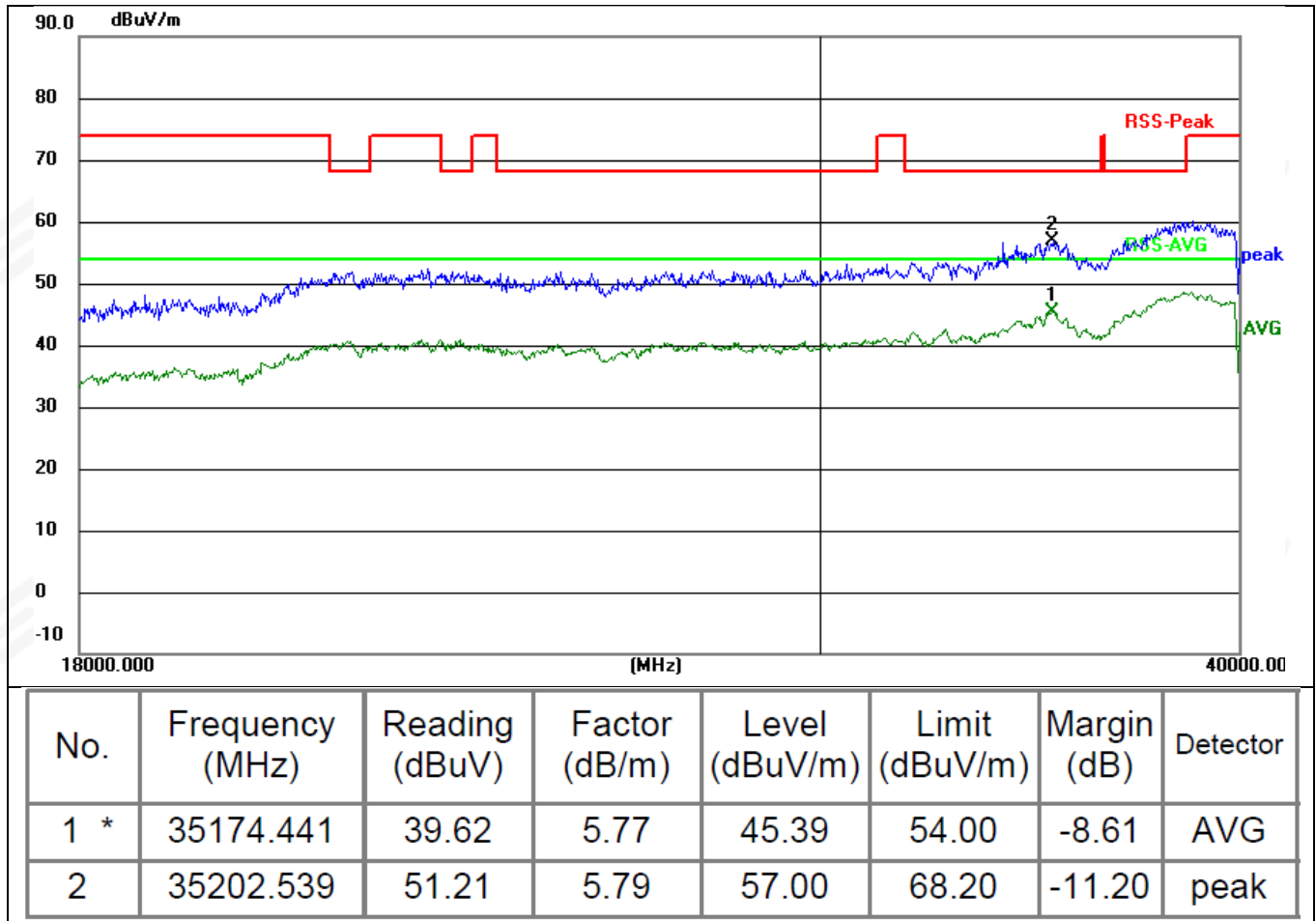


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5190 MHz(Worst data modulation AC40 MIMO mode)		



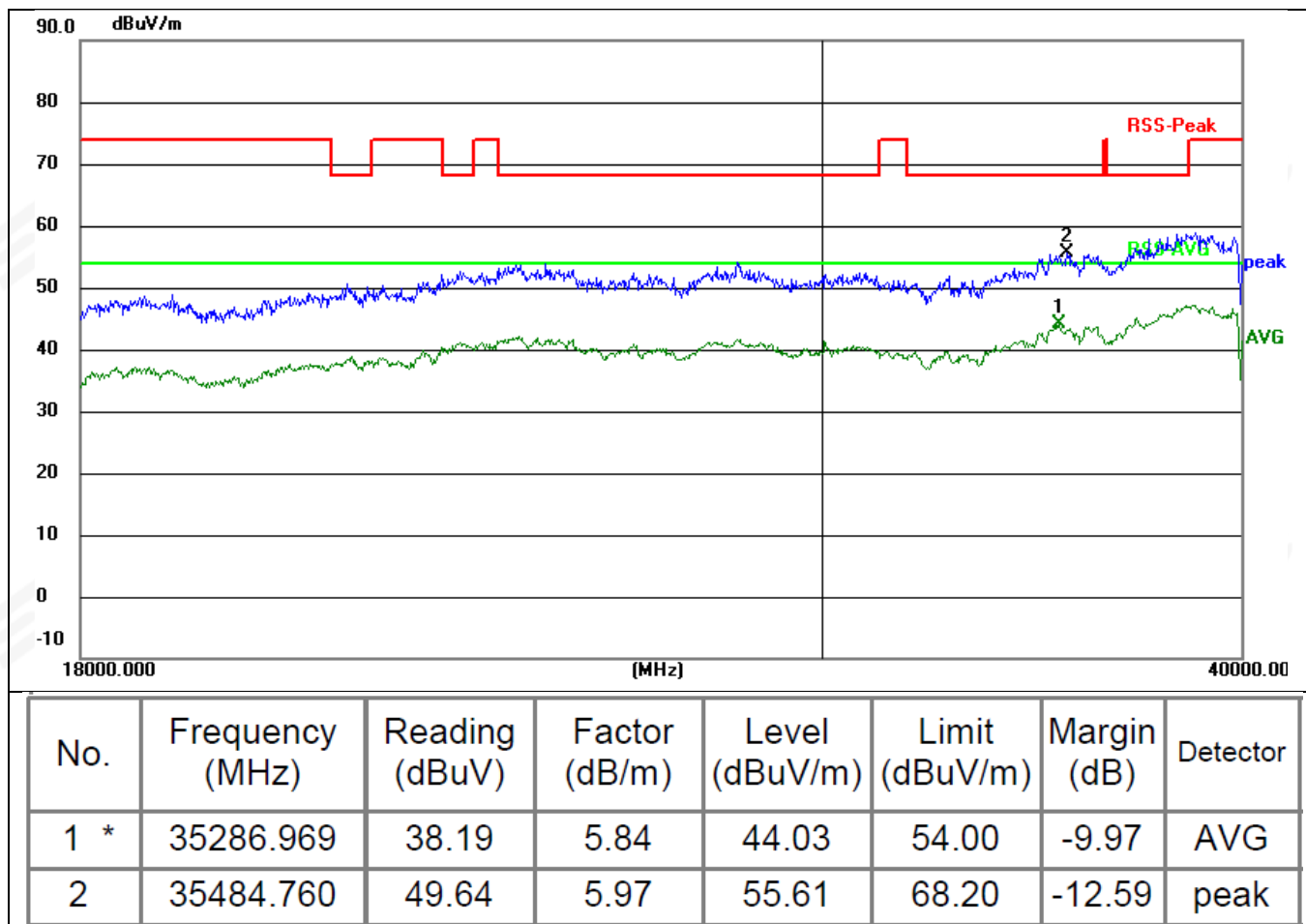


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5230 MHz(Worst data modulation AC40 MIMO mode)		



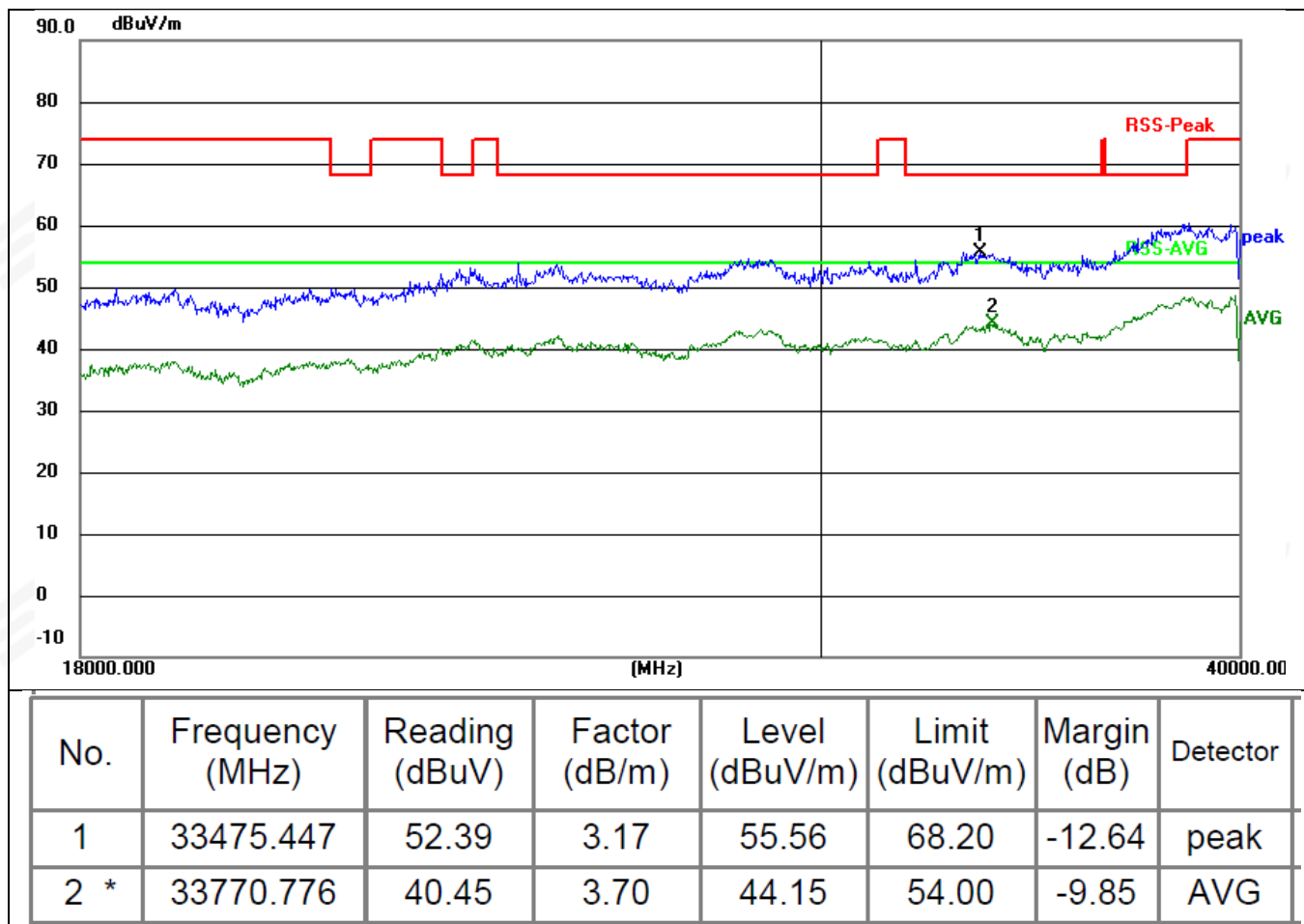


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5240 MHz(Worst data modulation AC40 MIMO mode)		



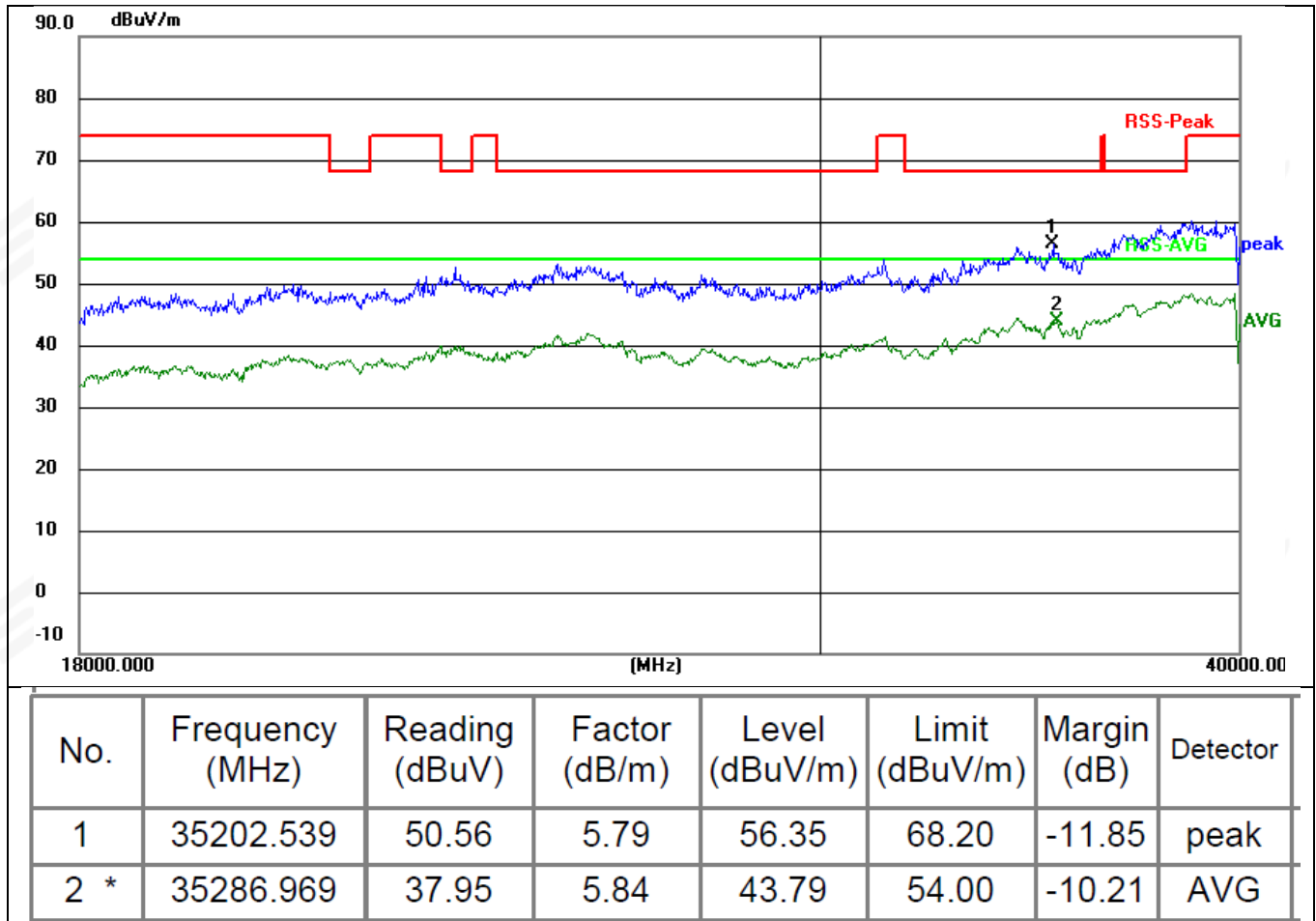


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5210 MHz(Worst data modulation AC80 MIMO mode)		





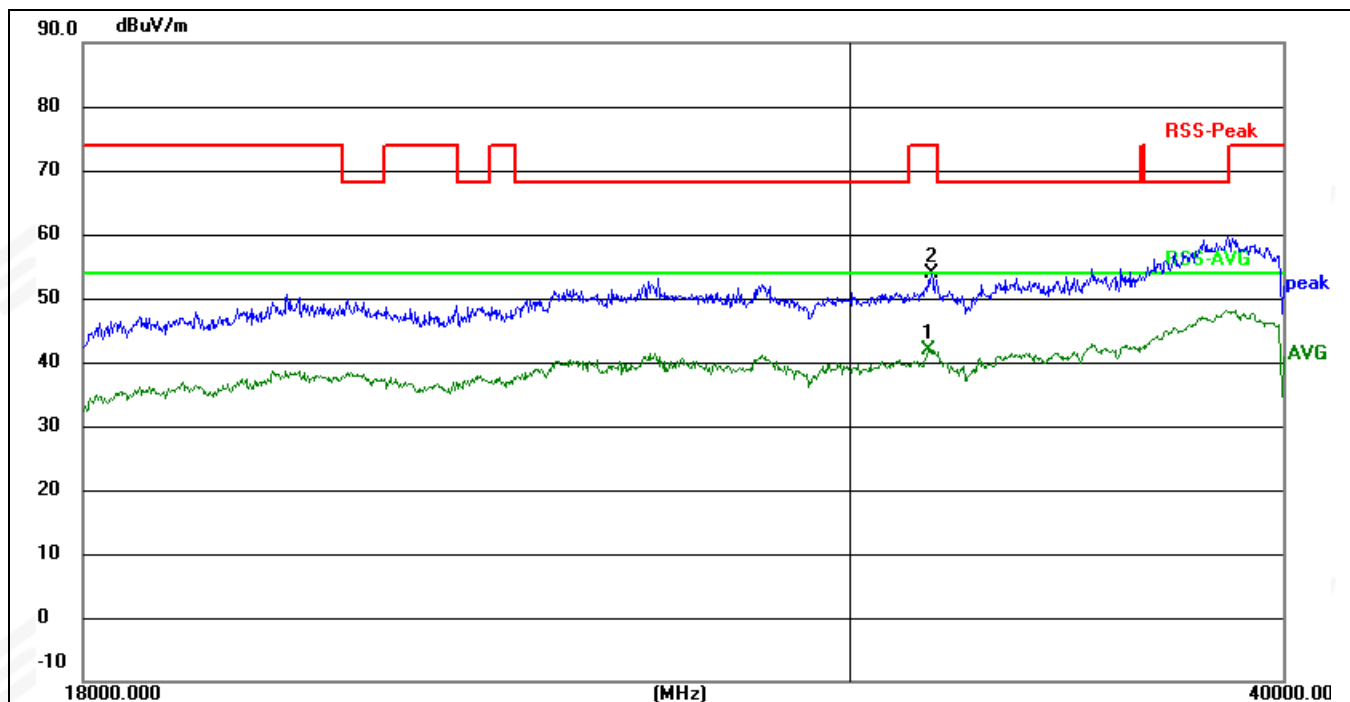
Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5210 MHz(Worst data modulation AC80 MIMO mode)		





5.3G

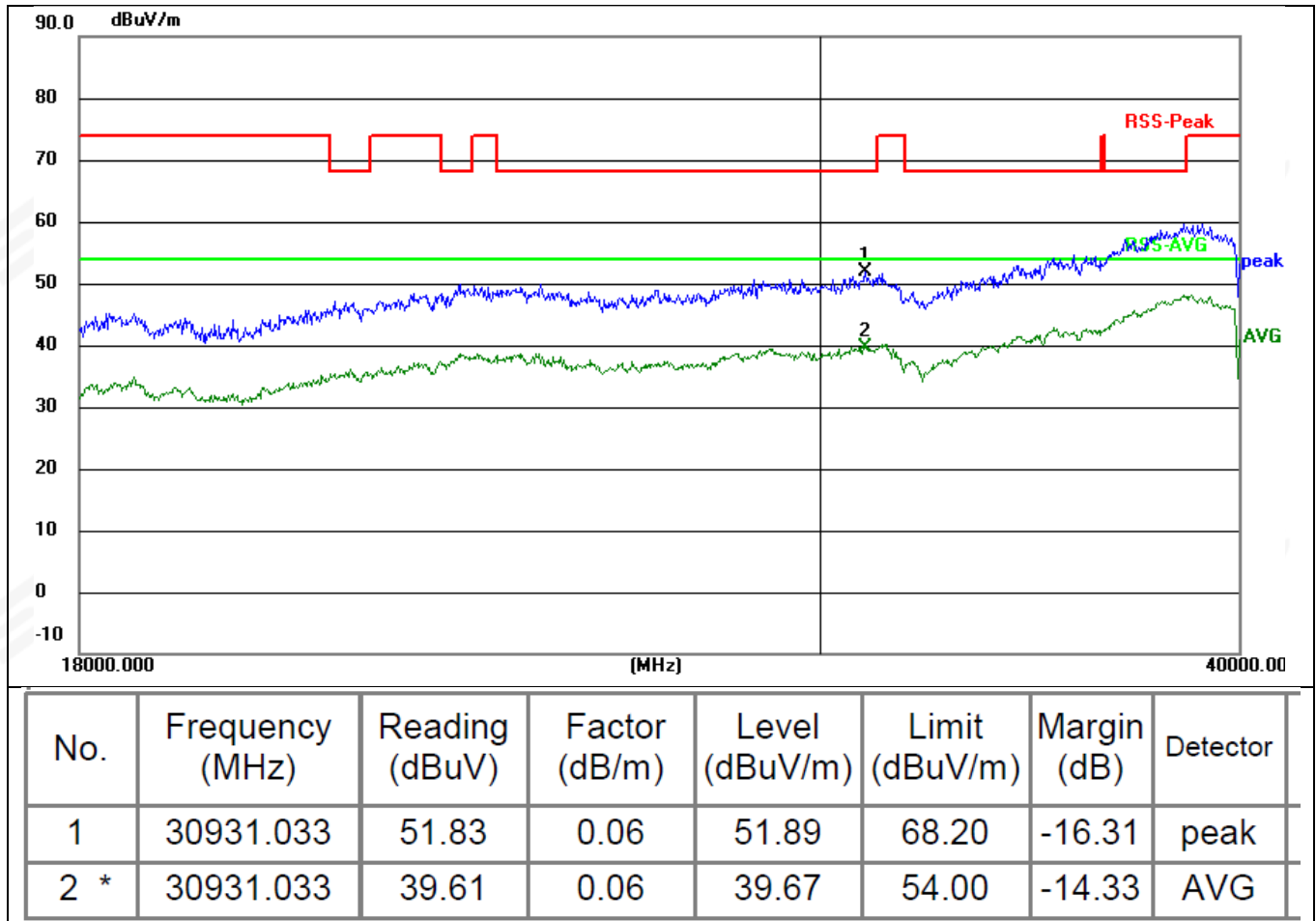
Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5260 MHz(Worst data modulation AC20 MIMO mode)		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	31579.911	41.95	0.00	41.95	54.00	-12.05	AVG
2	31655.652	53.83	-0.03	53.80	74.00	-20.20	peak



Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5260 MHz(Worst data modulation AC20 MIMO mode)		

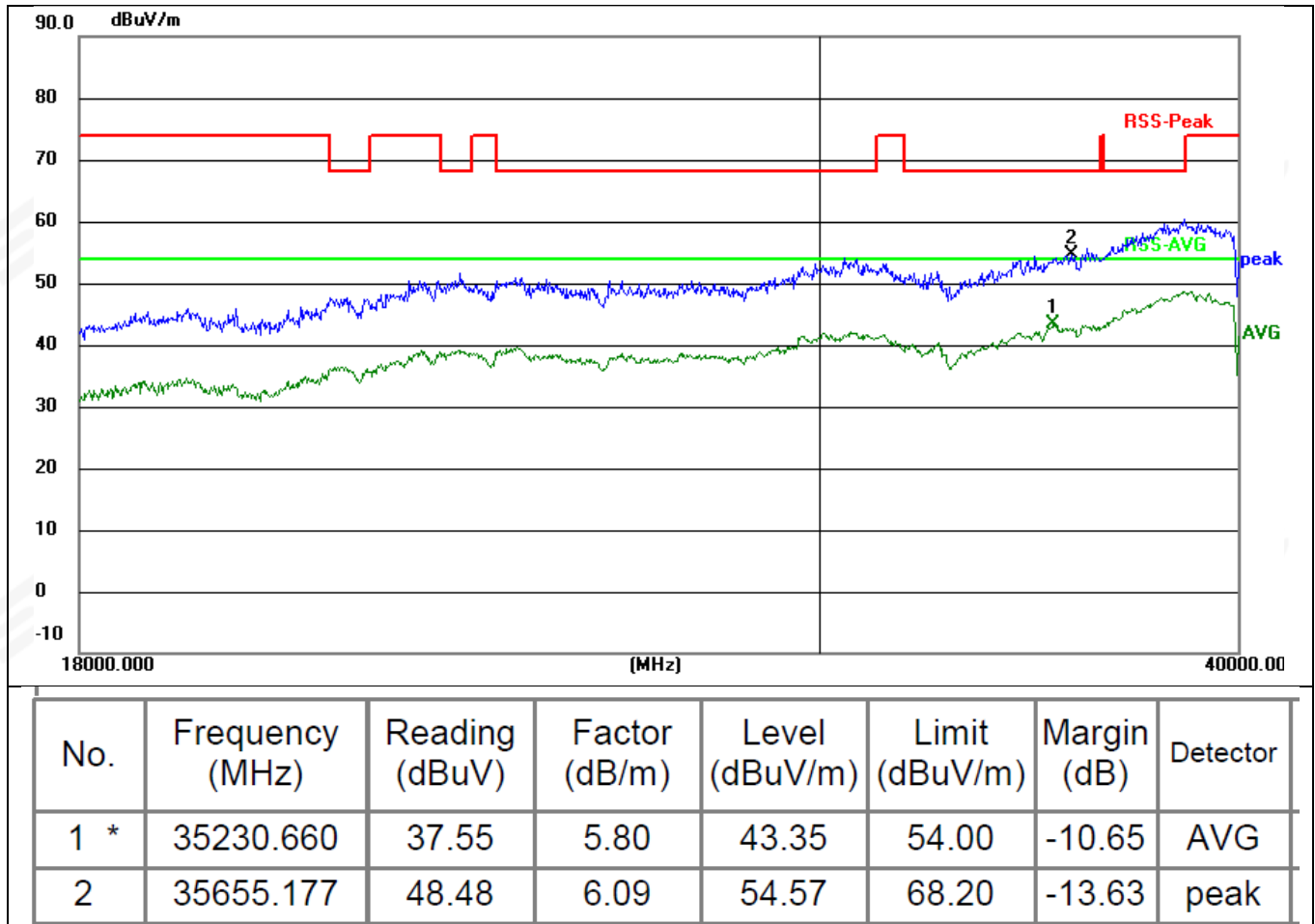




No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	30636.064	44.12	-0.47	43.65	54.00	-10.35	AVG
2	30906.344	54.56	0.02	54.58	68.20	-13.62	peak

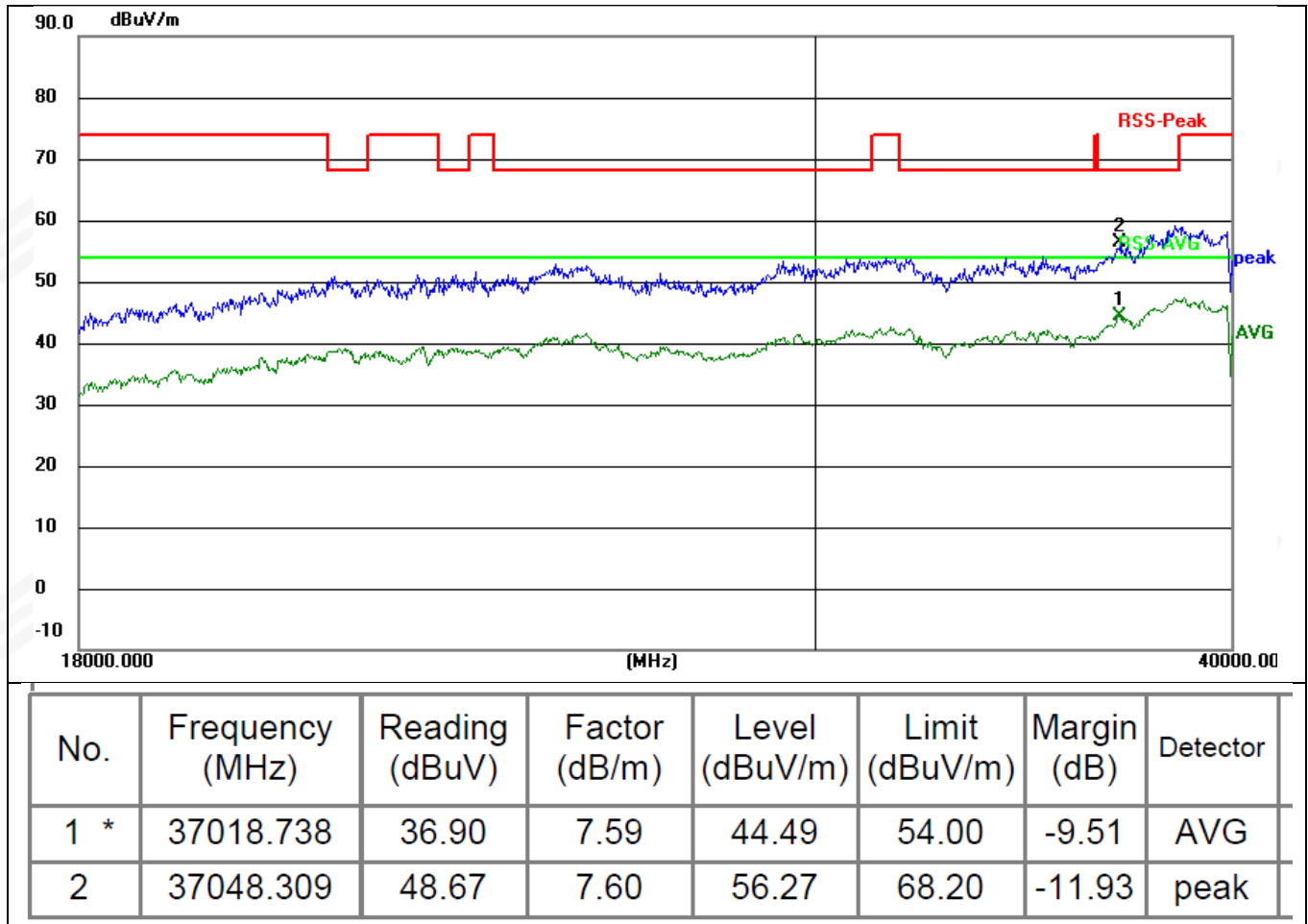


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5280 MHz(Worst data modulation AC20 MIMO mode)		



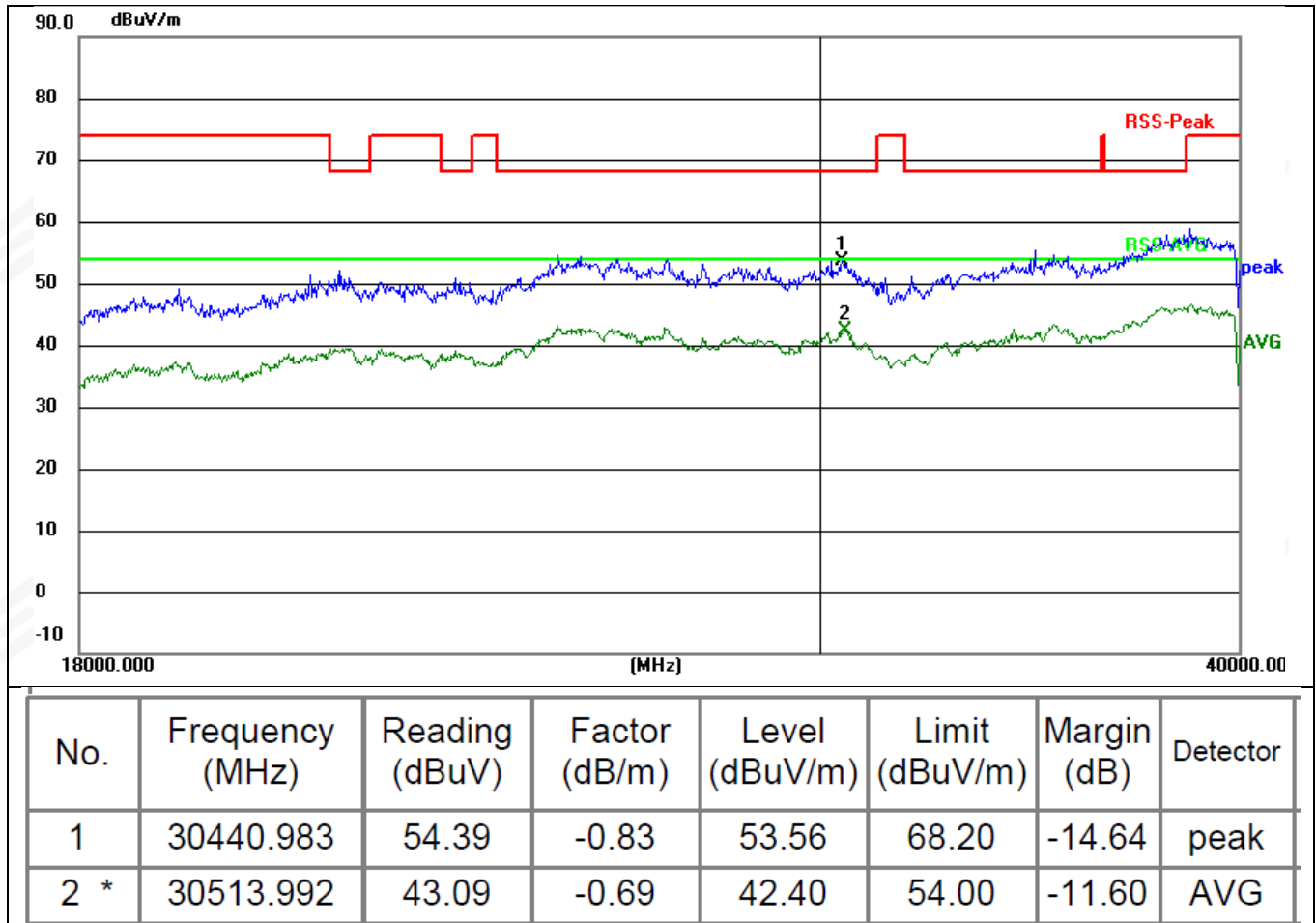


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5320 MHz(Worst data modulation AC20 MIMO mode)		



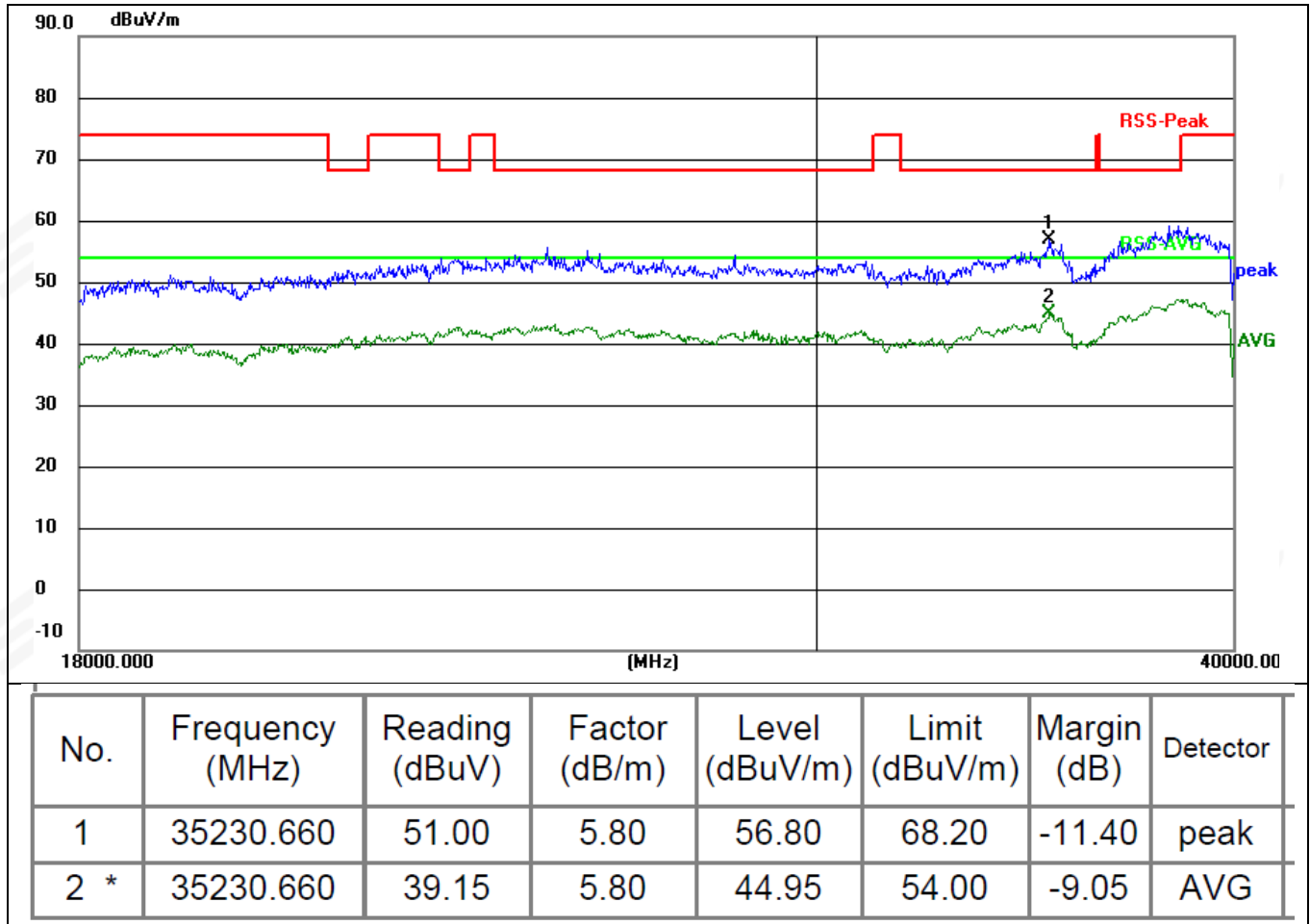


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5320 MHz(Worst data modulation AC20 MIMO mode)		



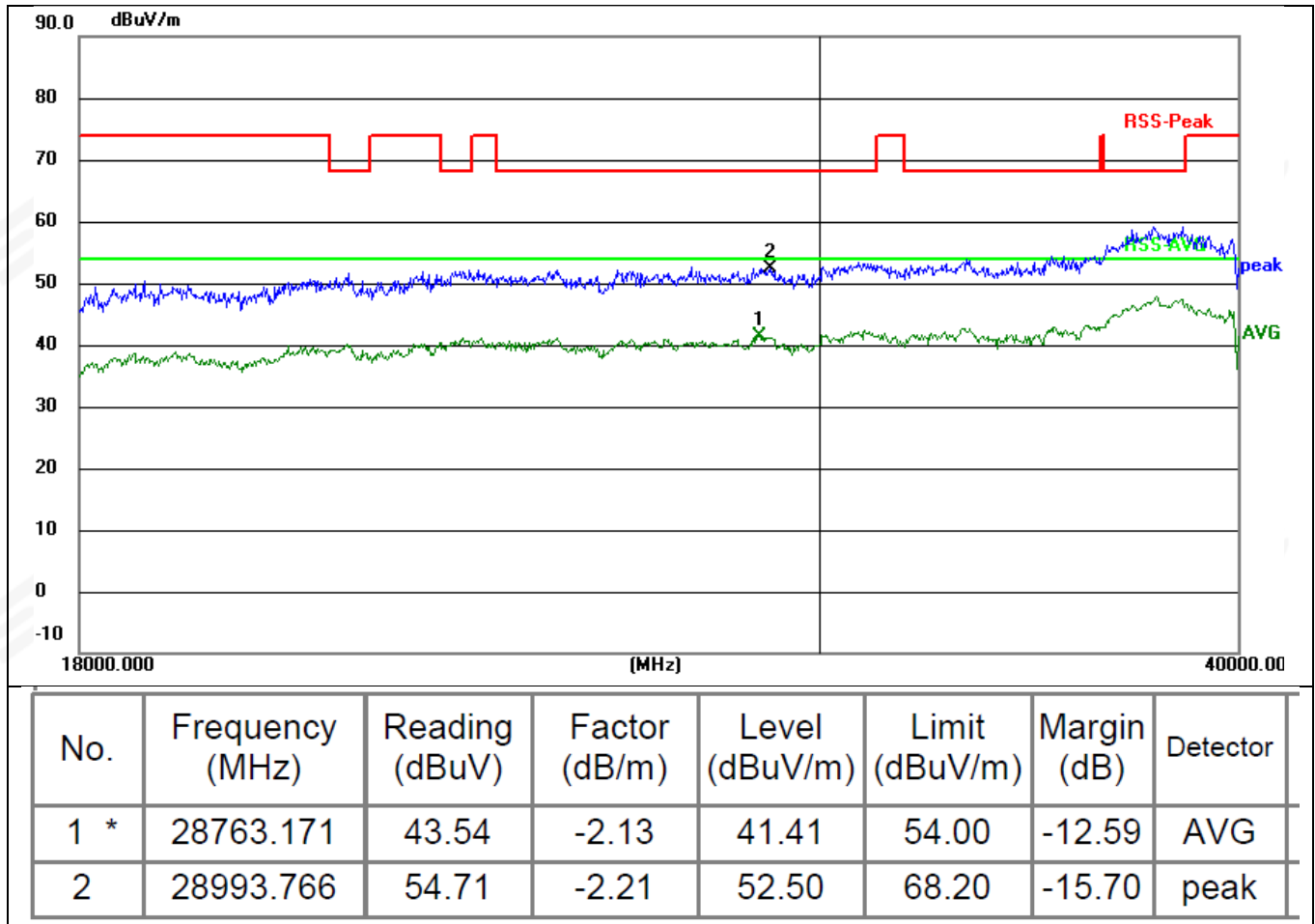


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5270 MHz(Worst data modulation AC40 MIMO mode)		



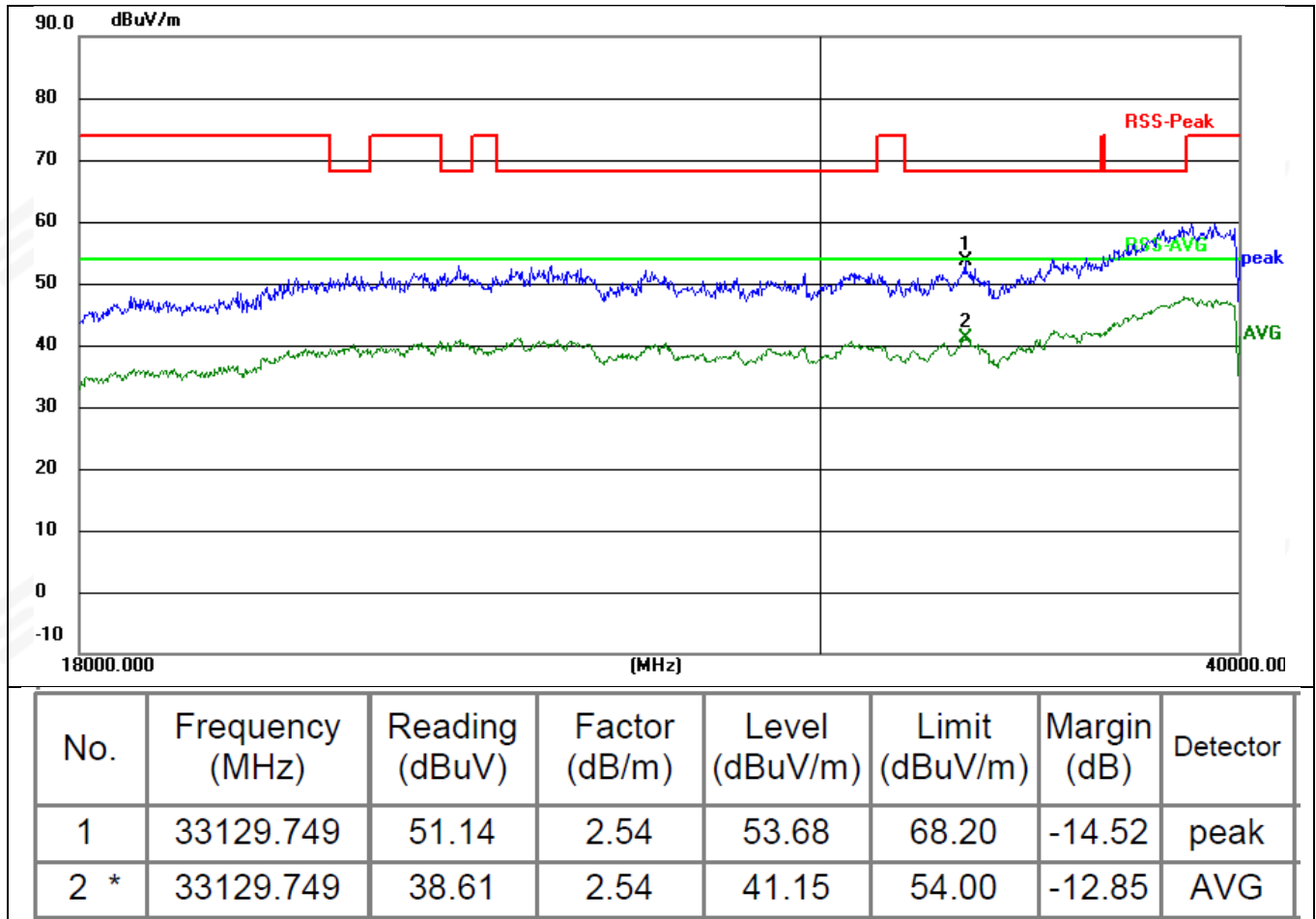


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5270 MHz(Worst data modulation AC40 MIMO mode)		



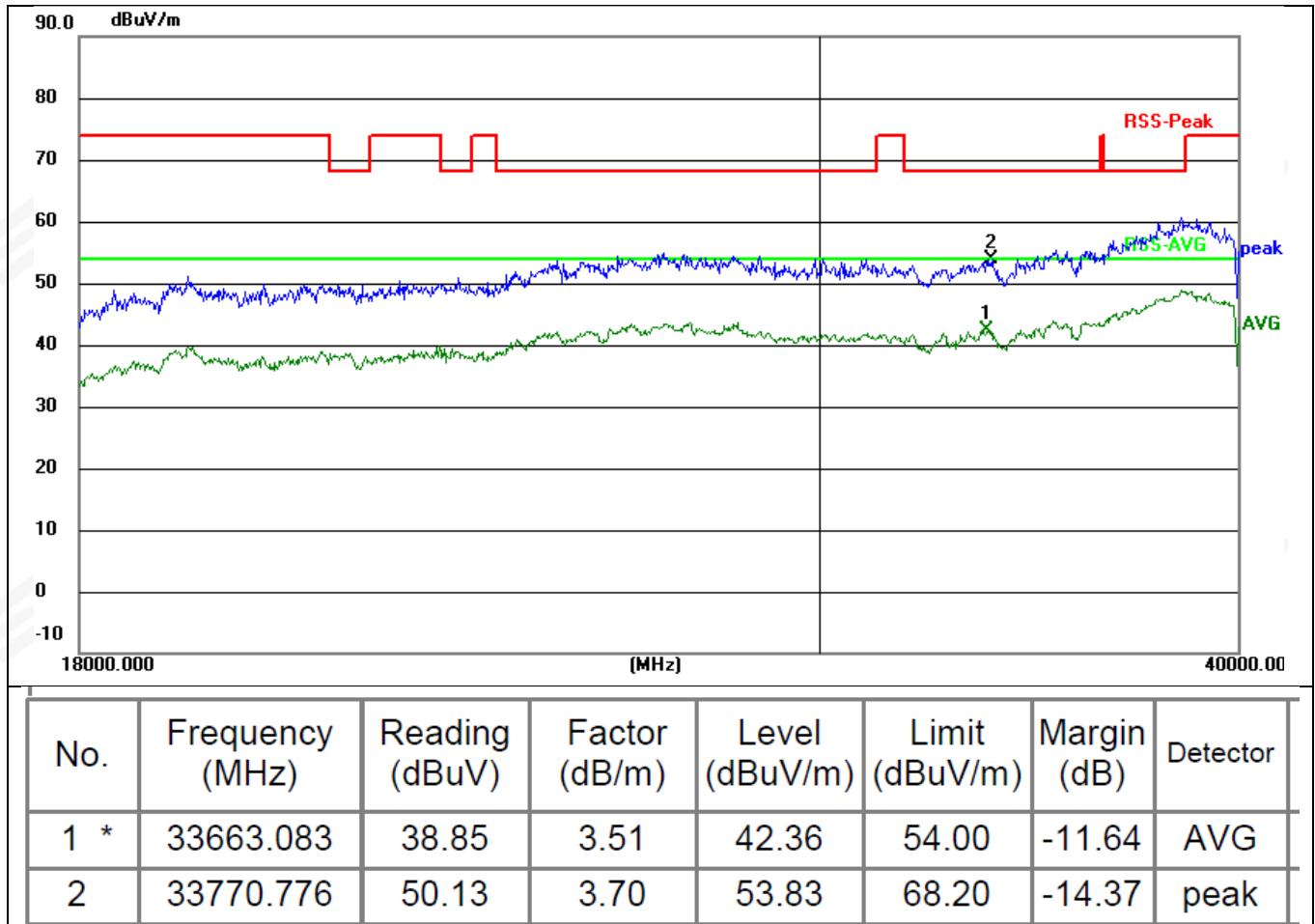


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5310 MHz(Worst data modulation AC40 MIMO mode)		



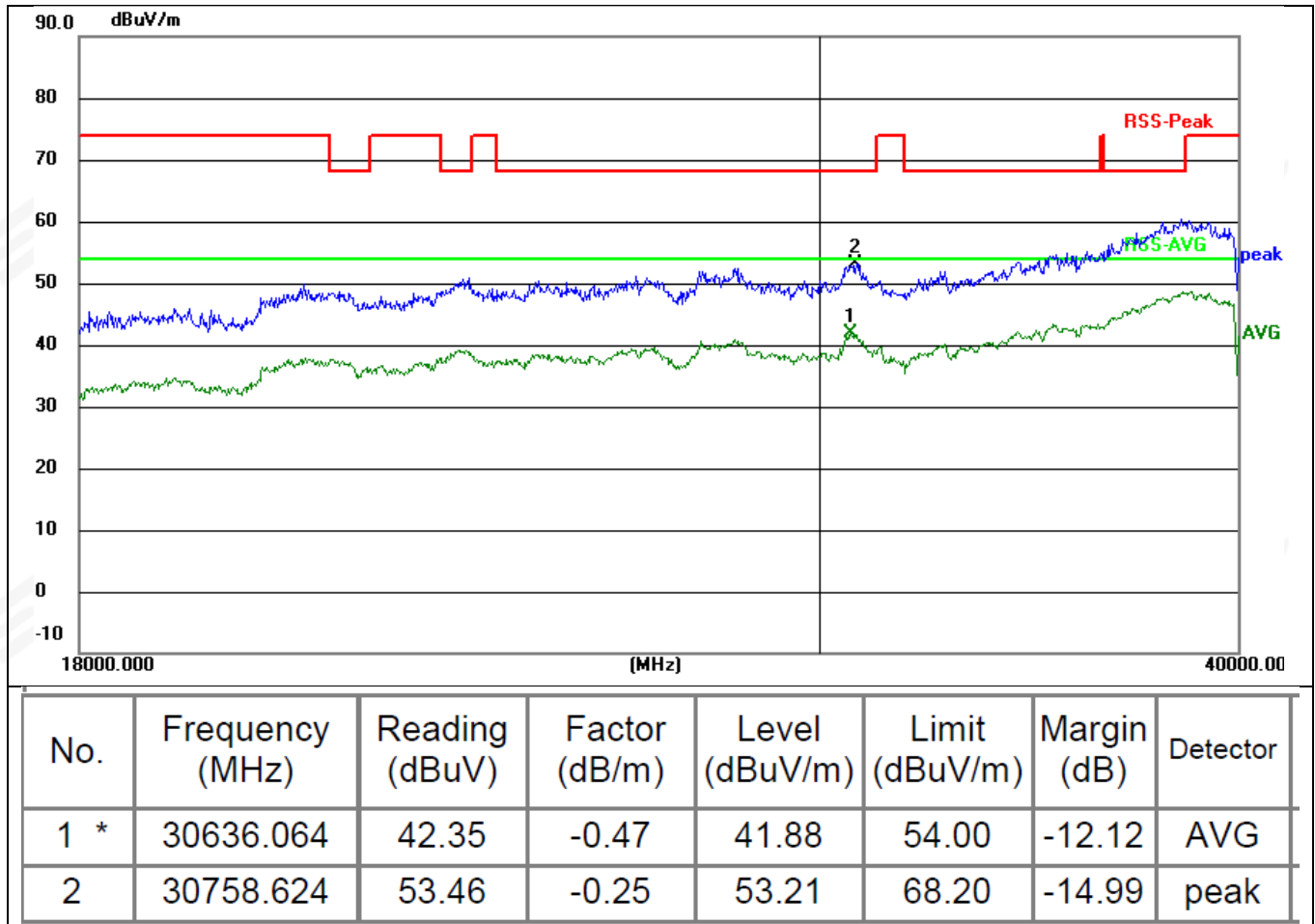


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5290 MHz(Worst data modulation AC80 MIMO mode)		





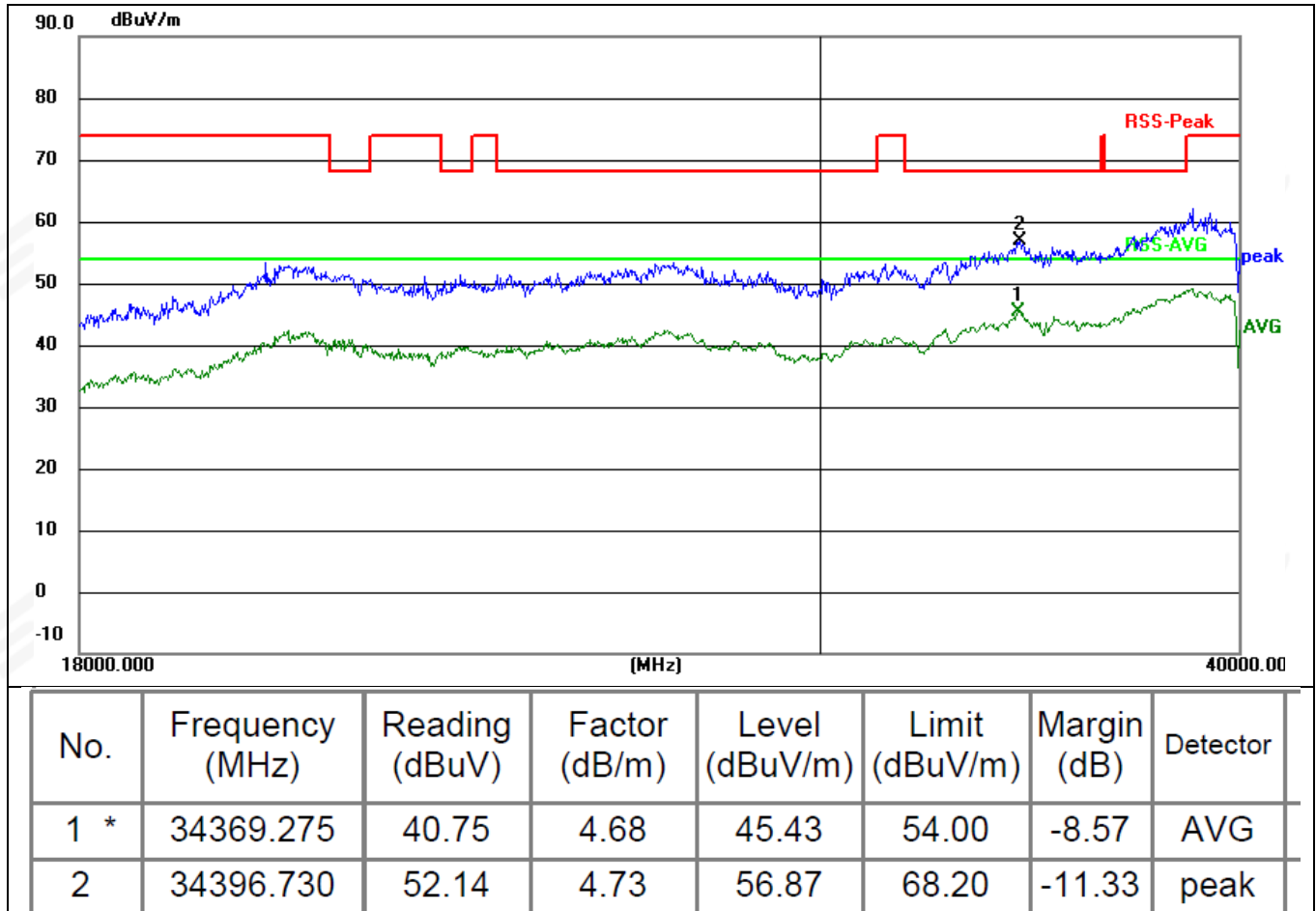
Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5290 MHz(Worst data modulation AC80 MIMO mode)		





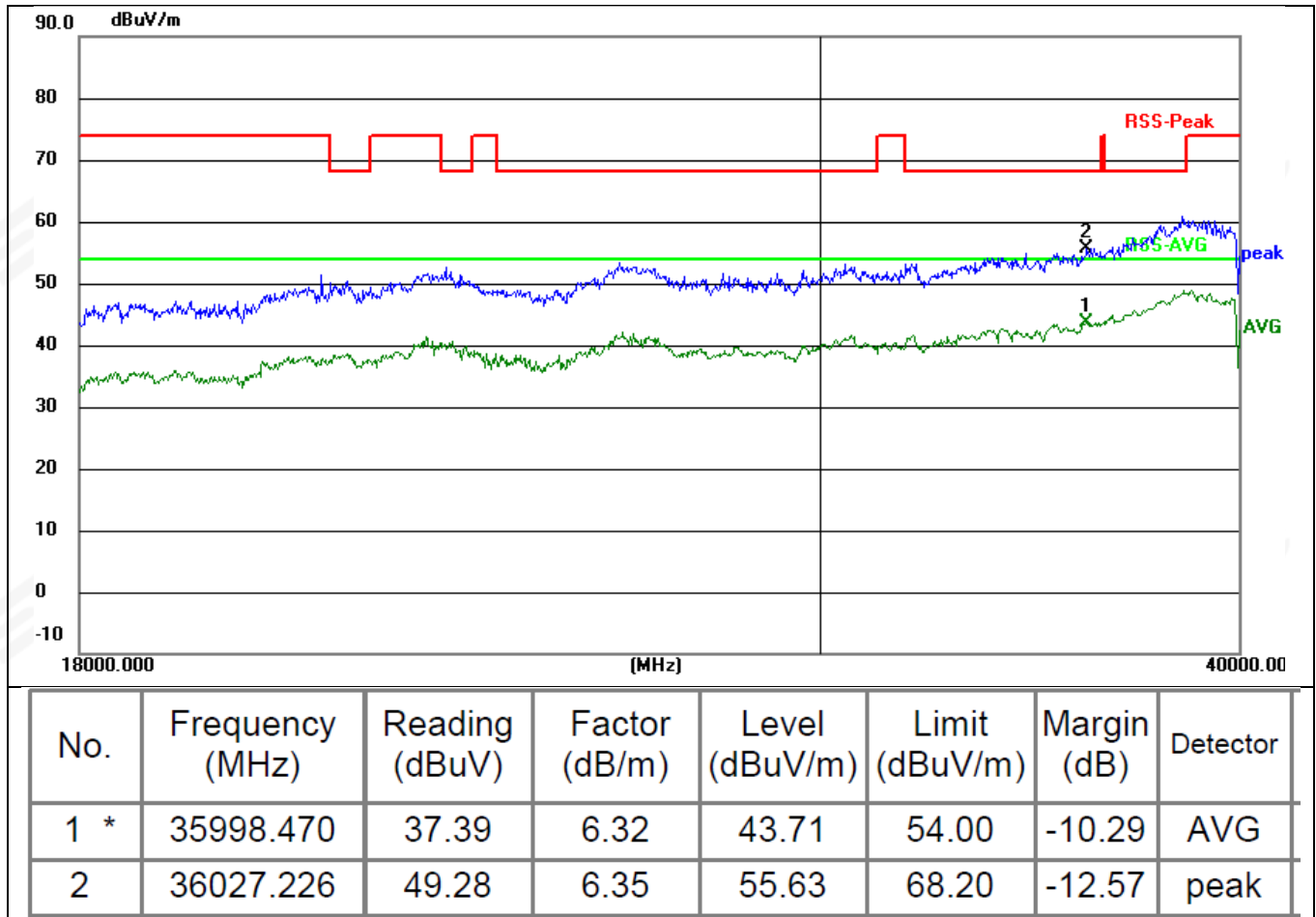
5.6G

Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5500 MHz(Worst data modulation AC20 MIMO mode)		



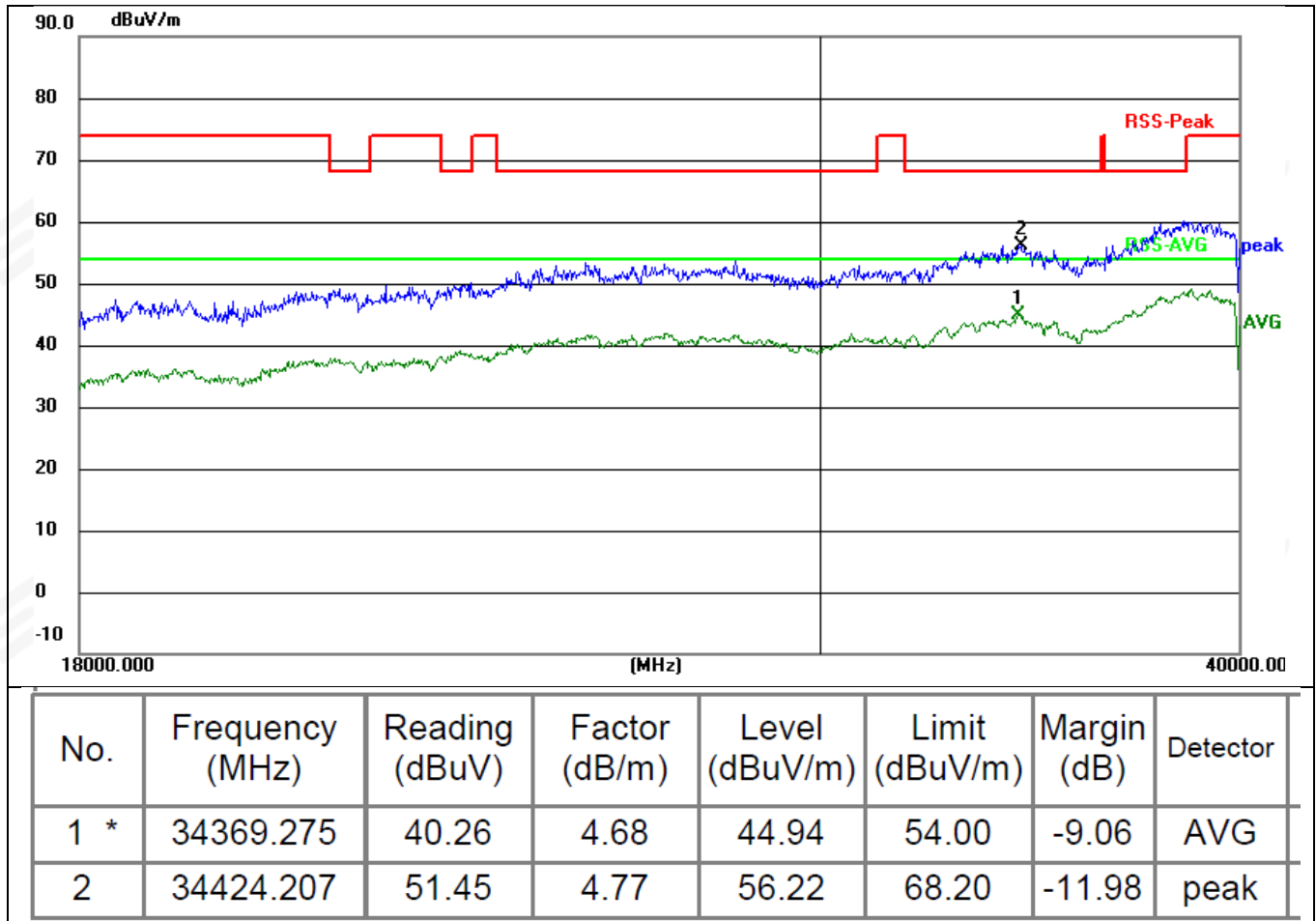


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5500 MHz(Worst data modulation AC20 MIMO mode)		



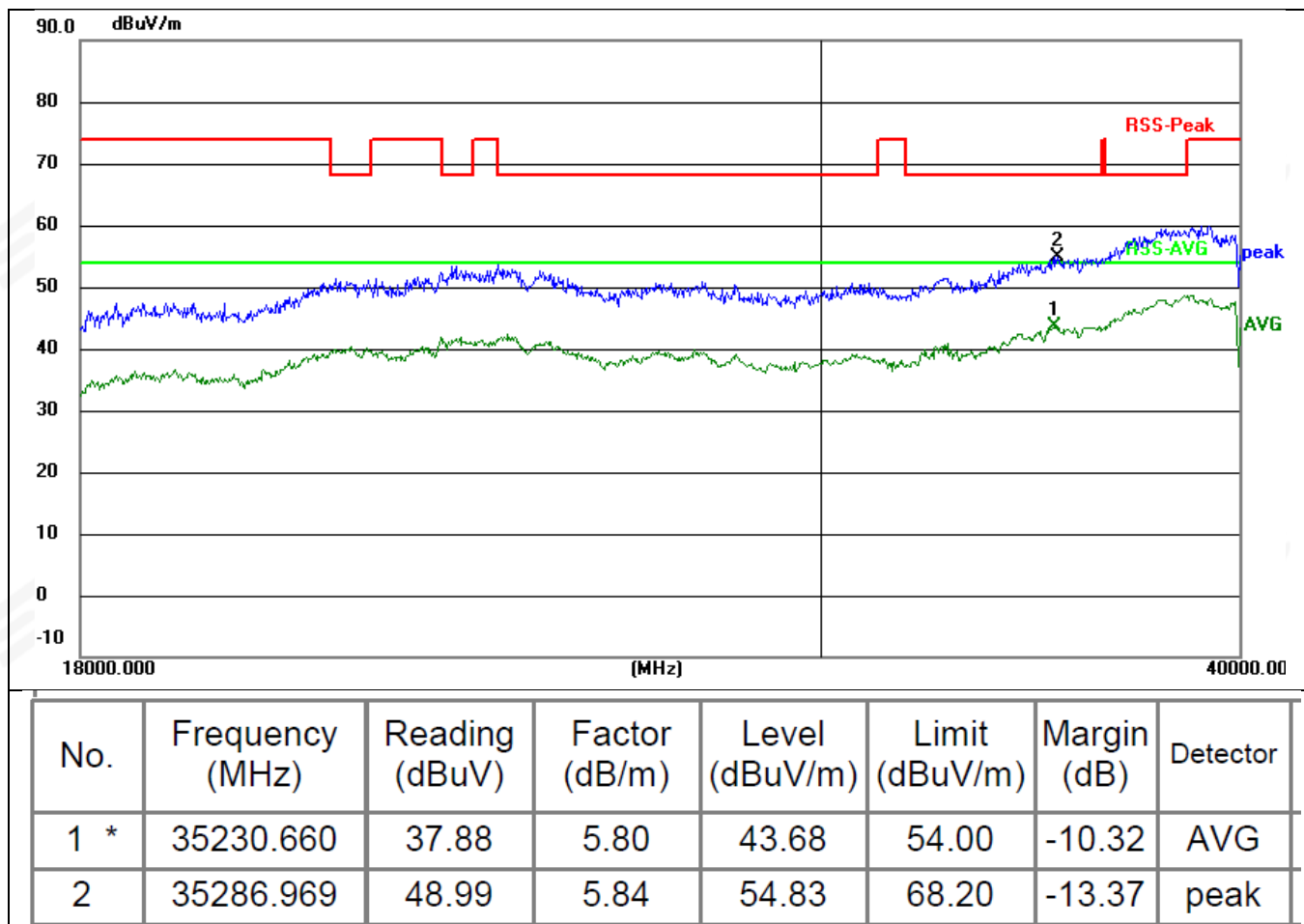


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5580 MHz(Worst data modulation AC20 MIMO mode)		



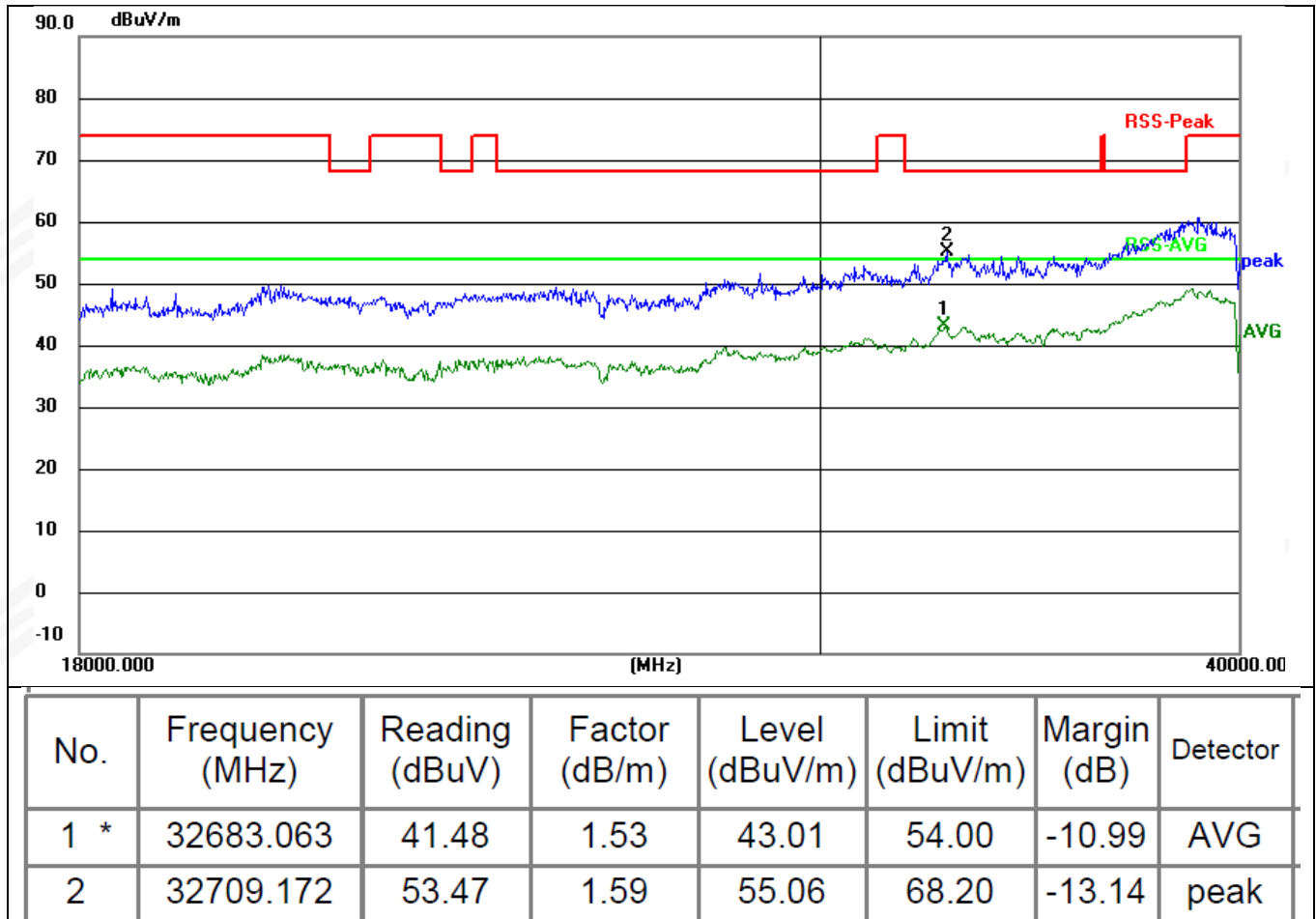


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5580 MHz(Worst data modulation AC20 MIMO mode)		



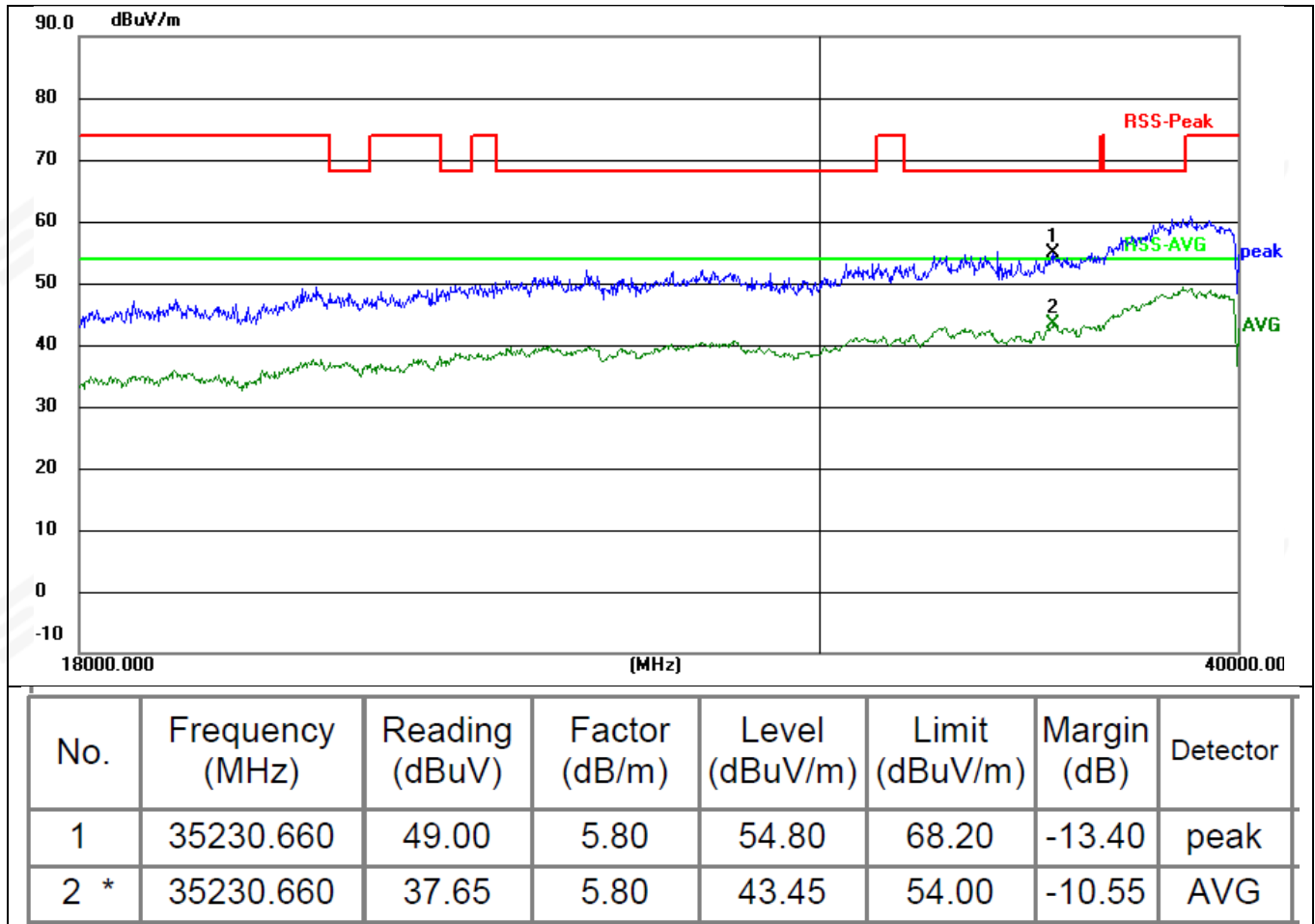


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5700 MHz(Worst data modulation AC20 MIMO mode)		



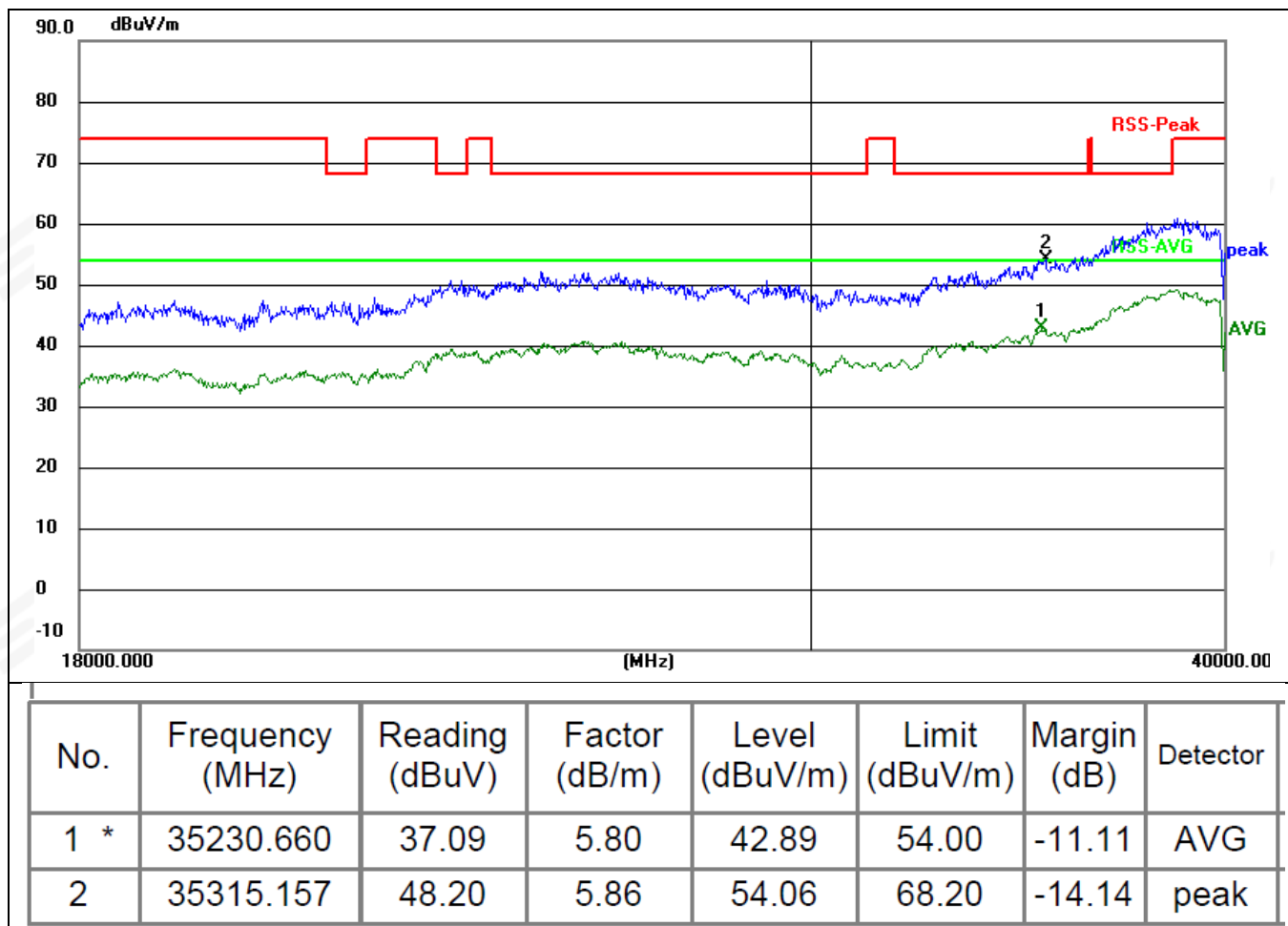


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5700 MHz(Worst data modulation AC20 MIMO mode)		



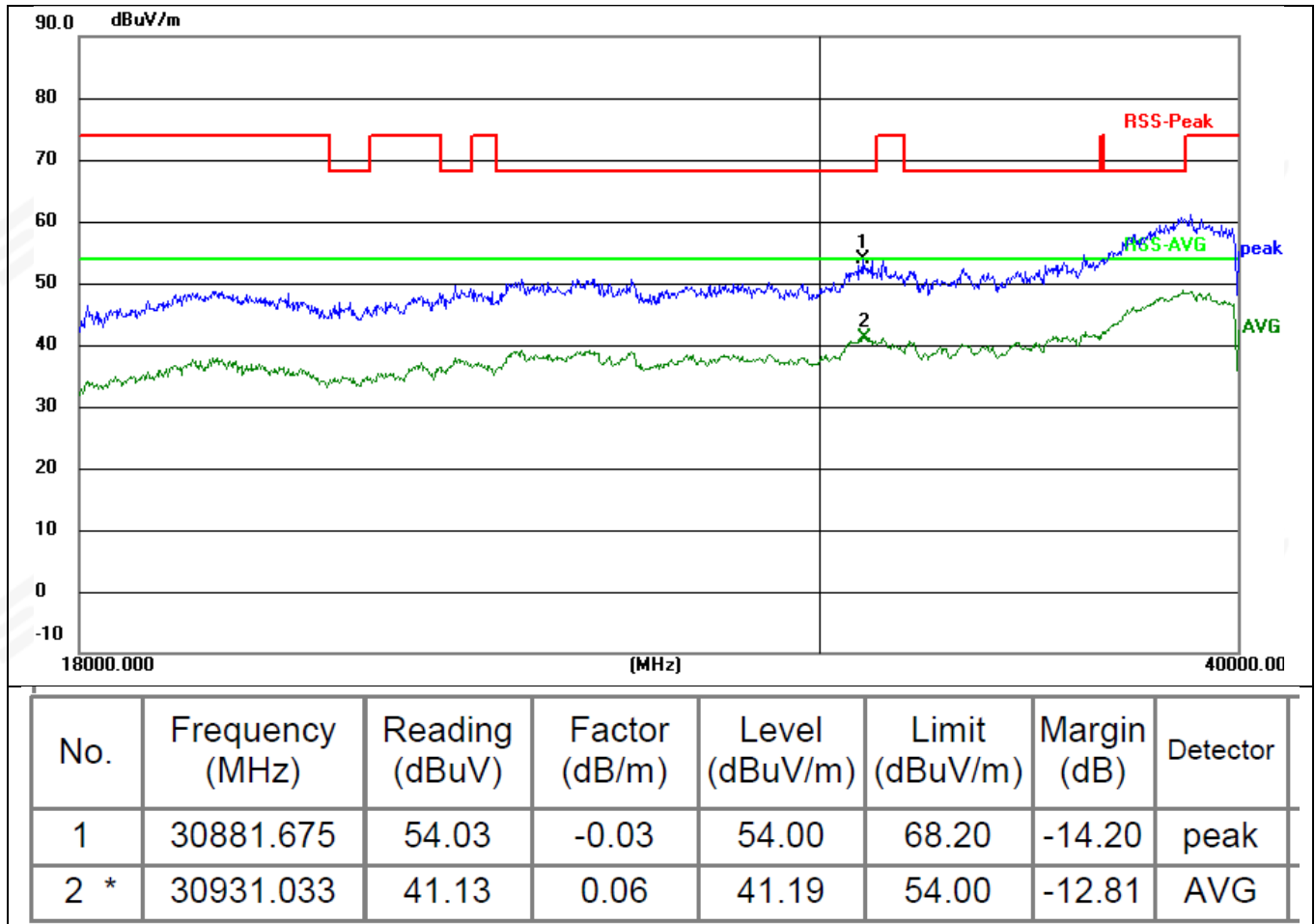


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5510 MHz(Worst data modulation AC40 MIMO mode)		



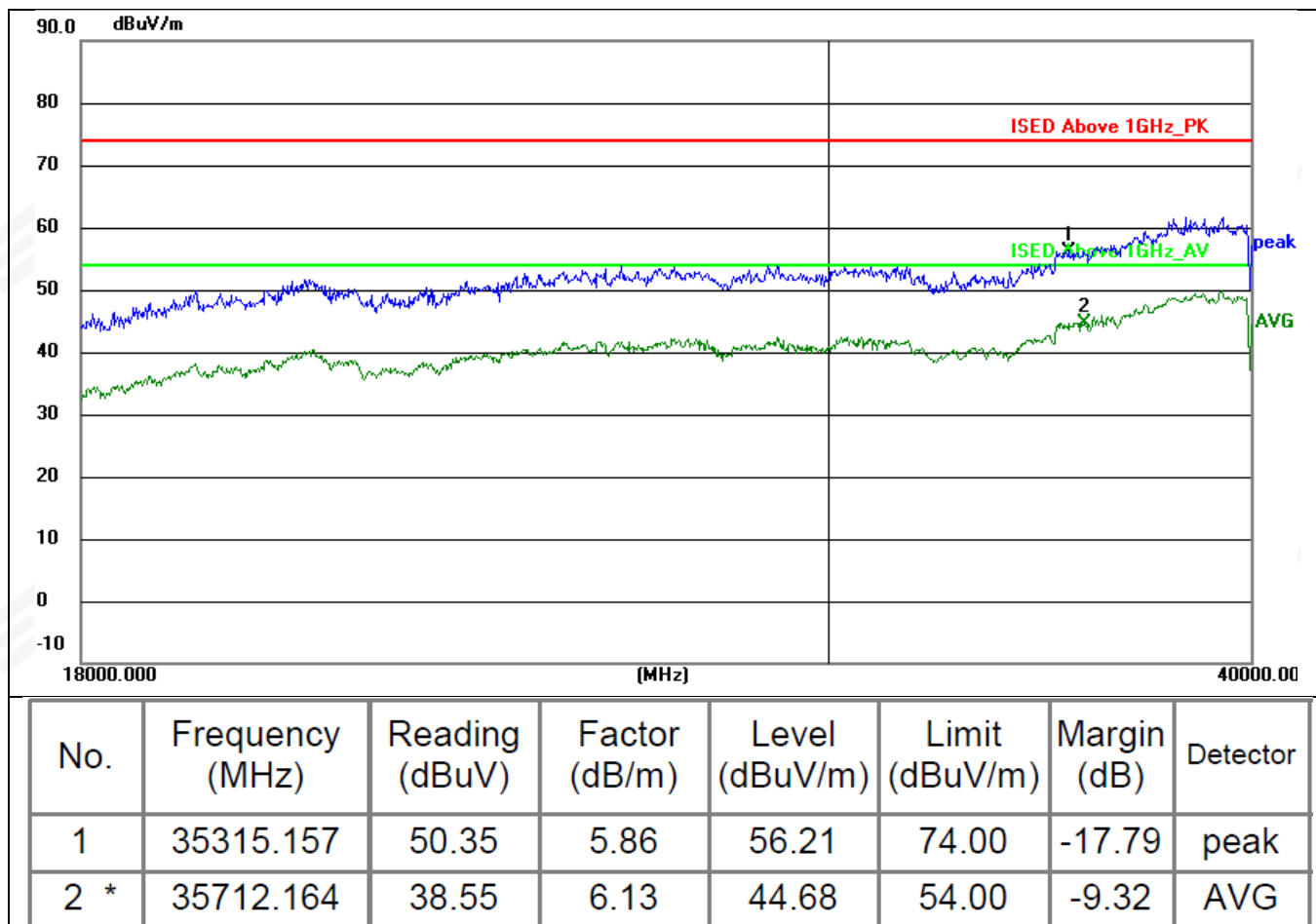


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5510 MHz(Worst data modulation AC40 MIMO mode)		



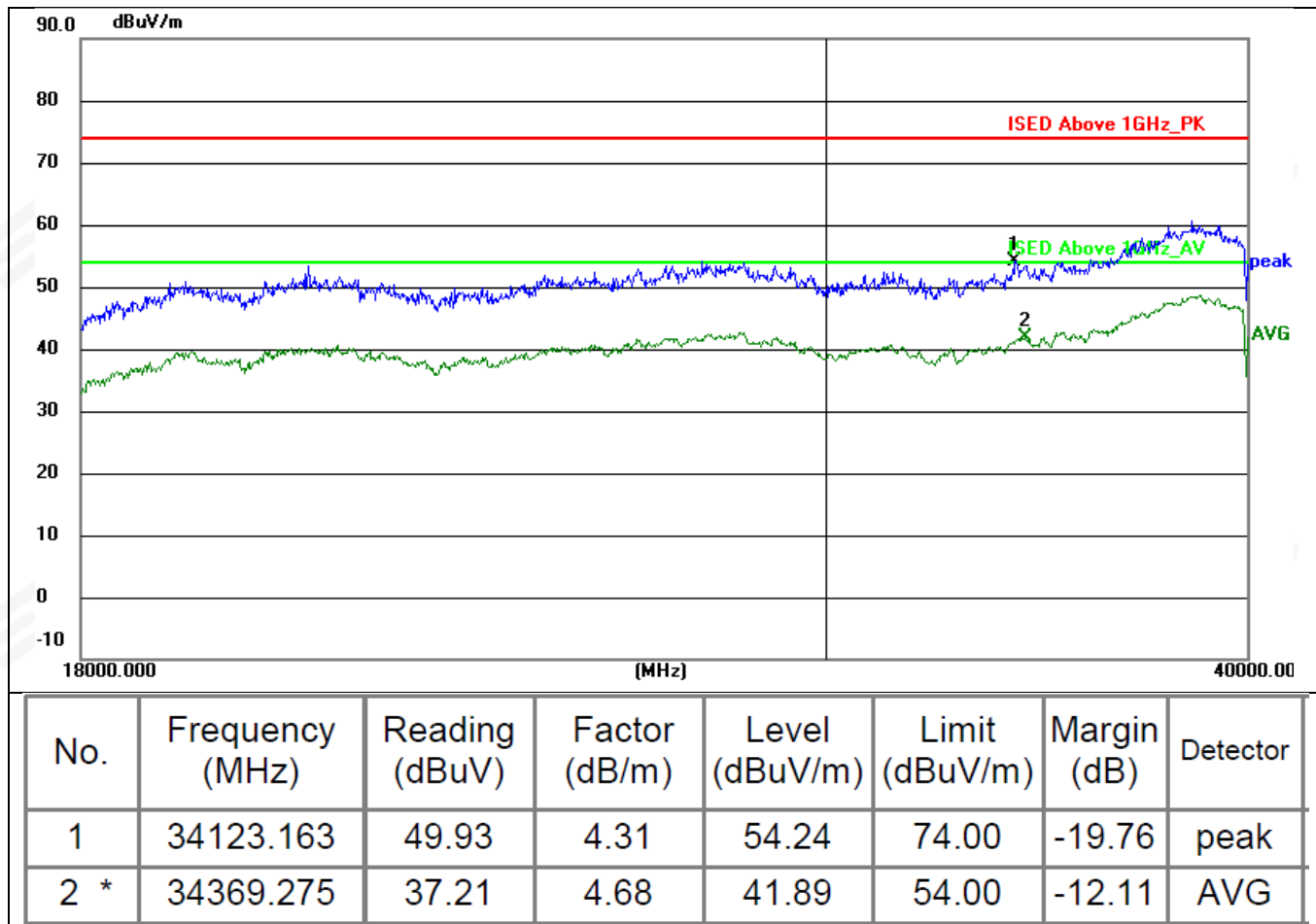


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5670 MHz(Worst data modulation AC40 MIMO mode)		



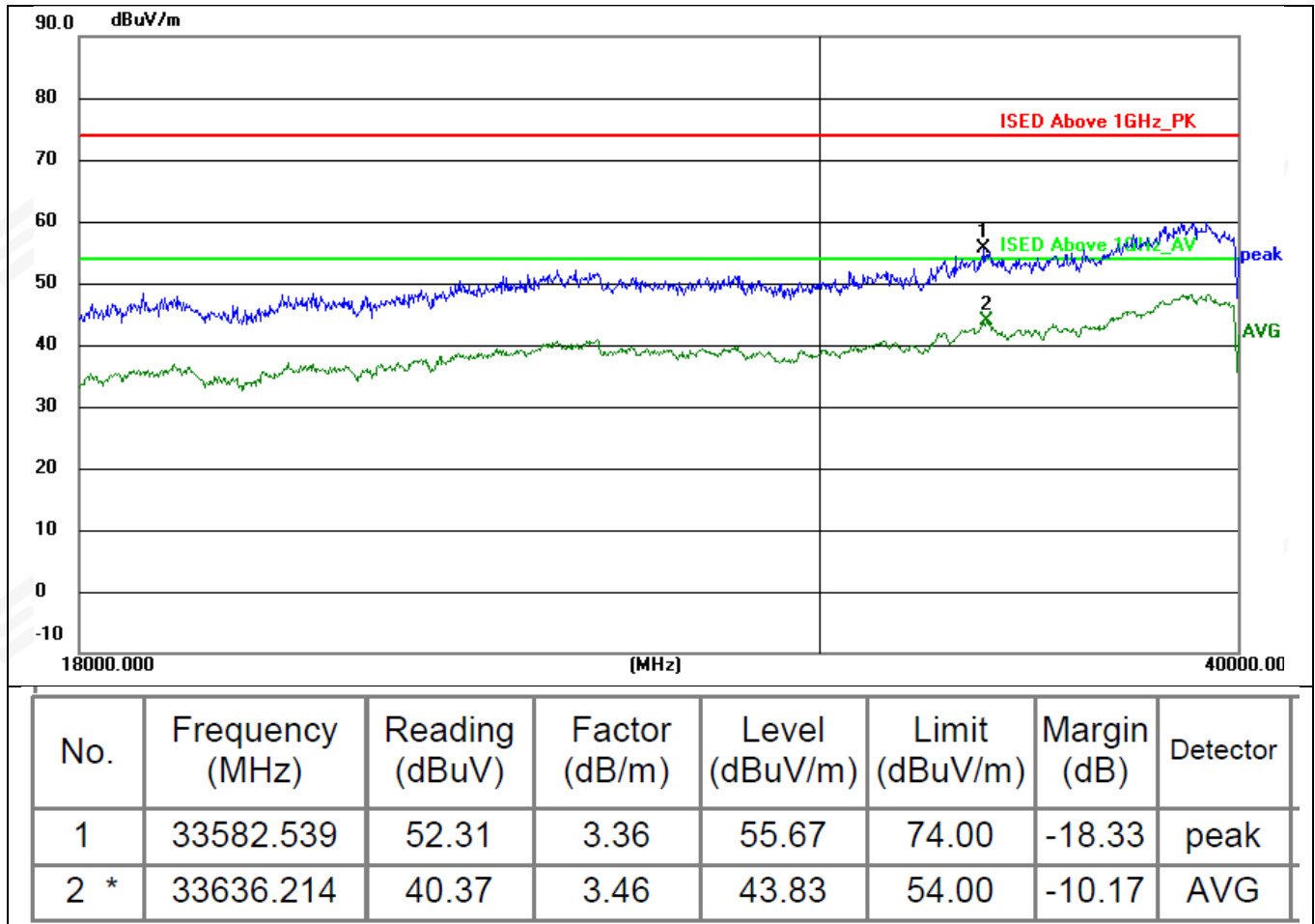


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5670 MHz(Worst data modulation AC40 MIMO mode)		



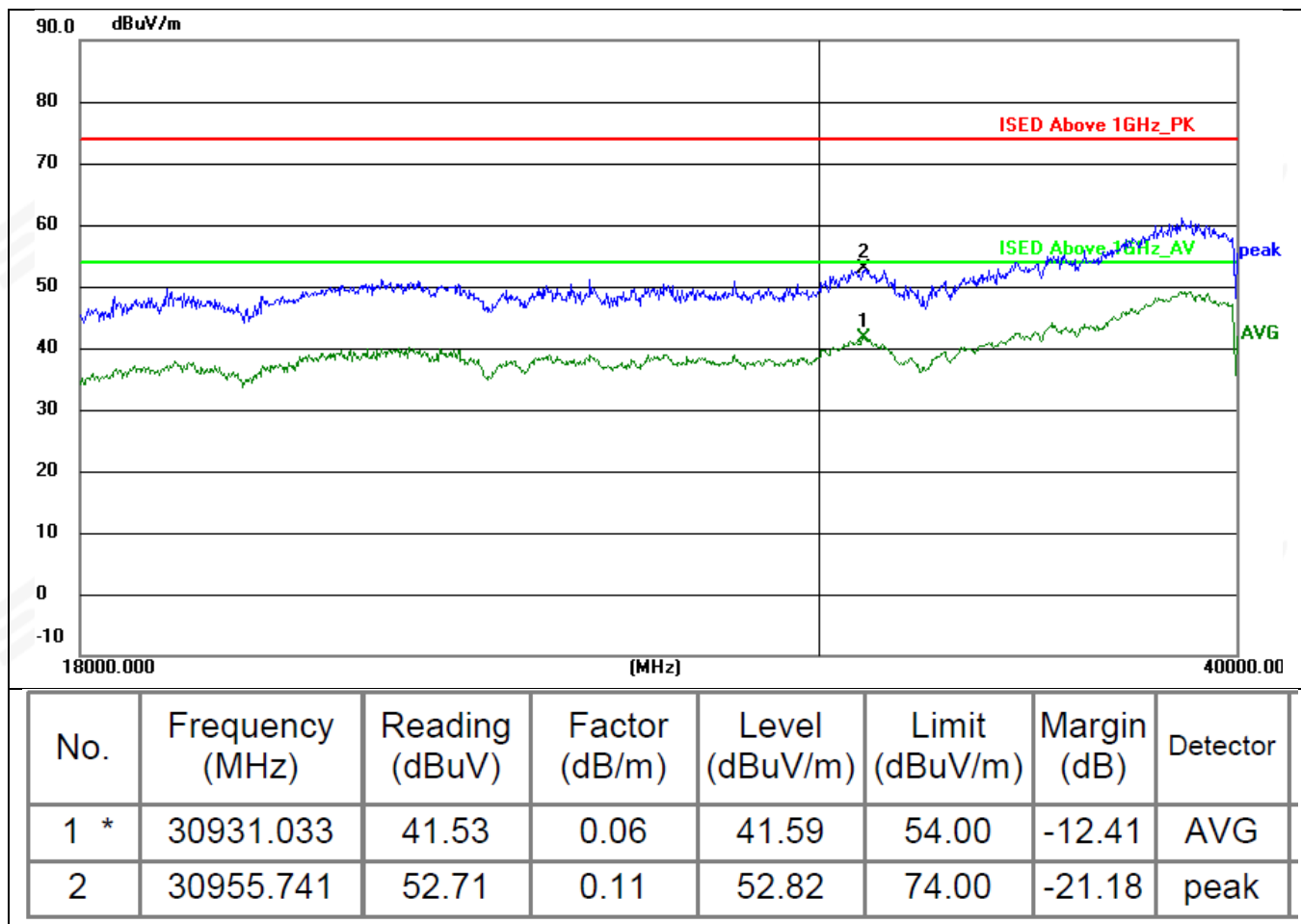


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5530 MHz(Worst data modulation AC80 MIMO mode)		



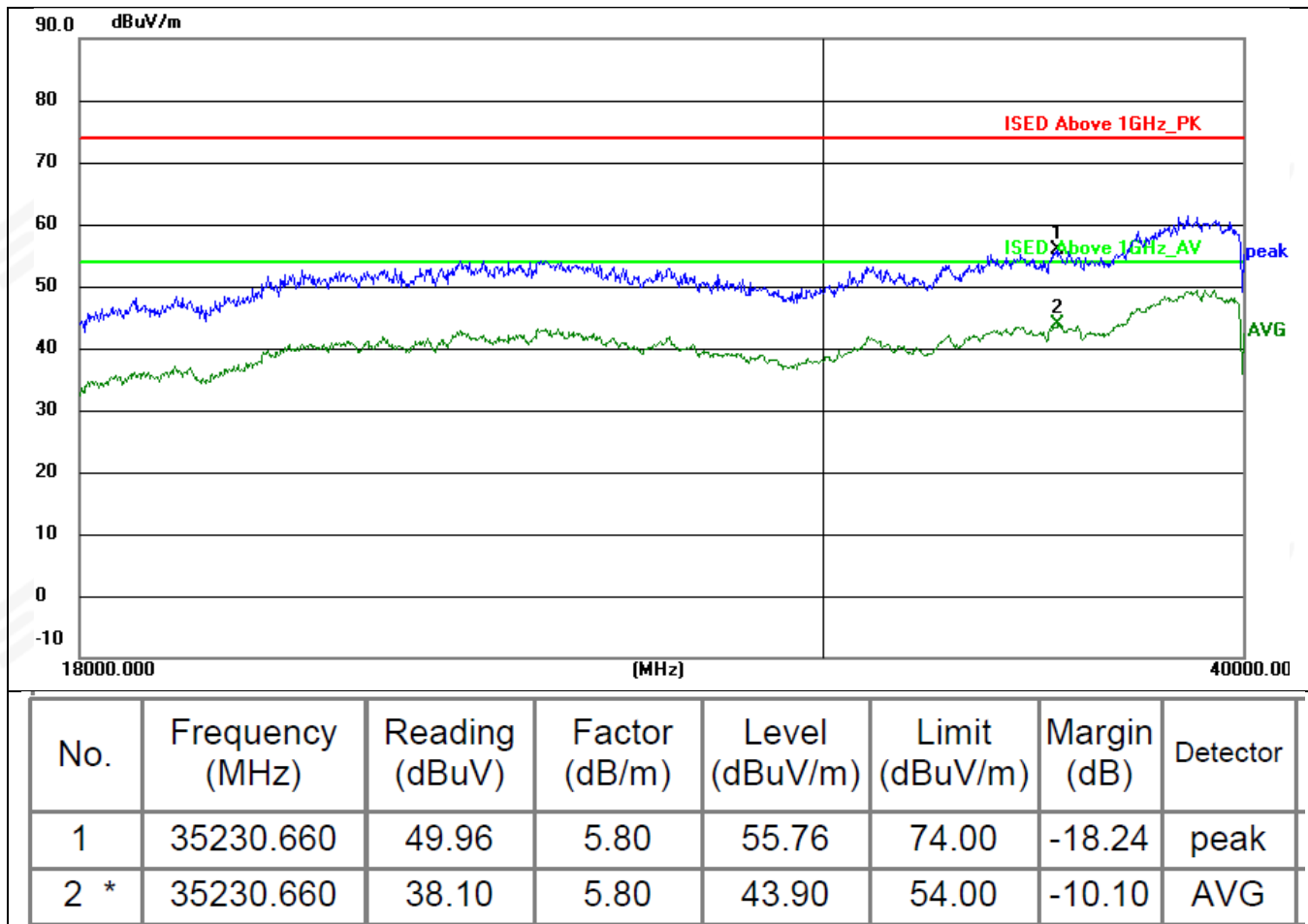


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5530 MHz(Worst data modulation AC80 MIMO mode)		



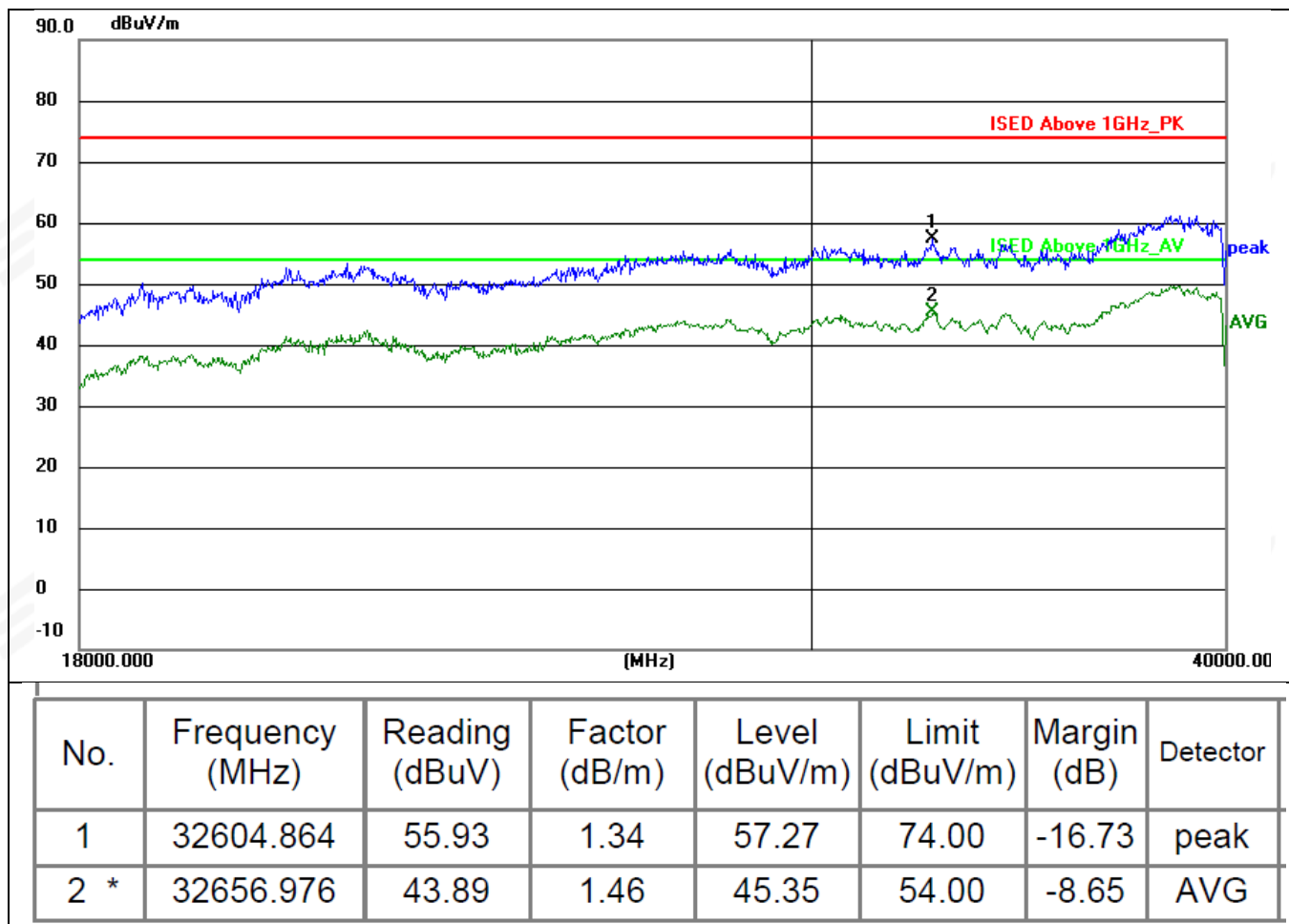


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5610 MHz(Worst data modulation AC80 MIMO mode)		





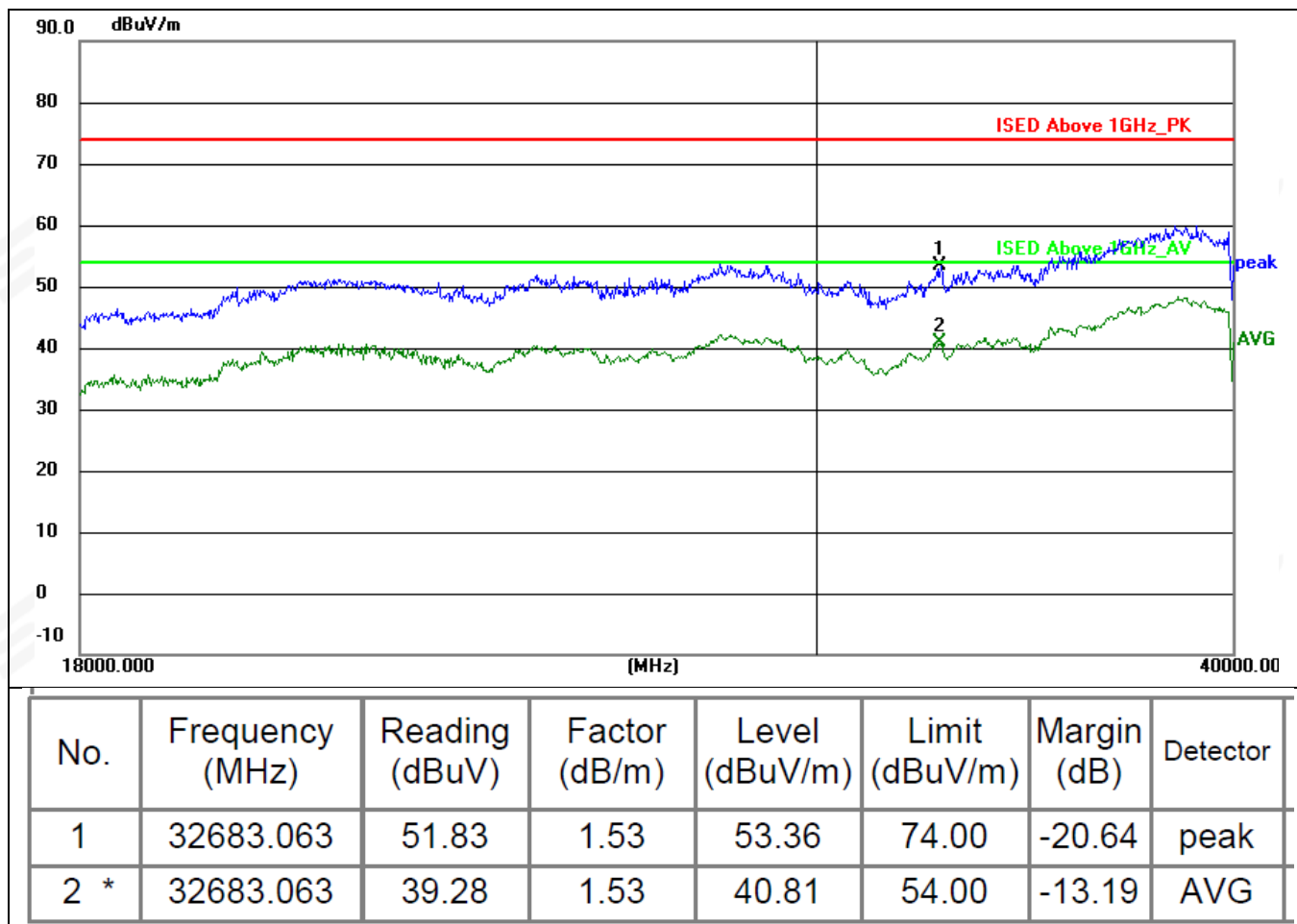
Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5610 MHz(Worst data modulation AC80 MIMO mode)		





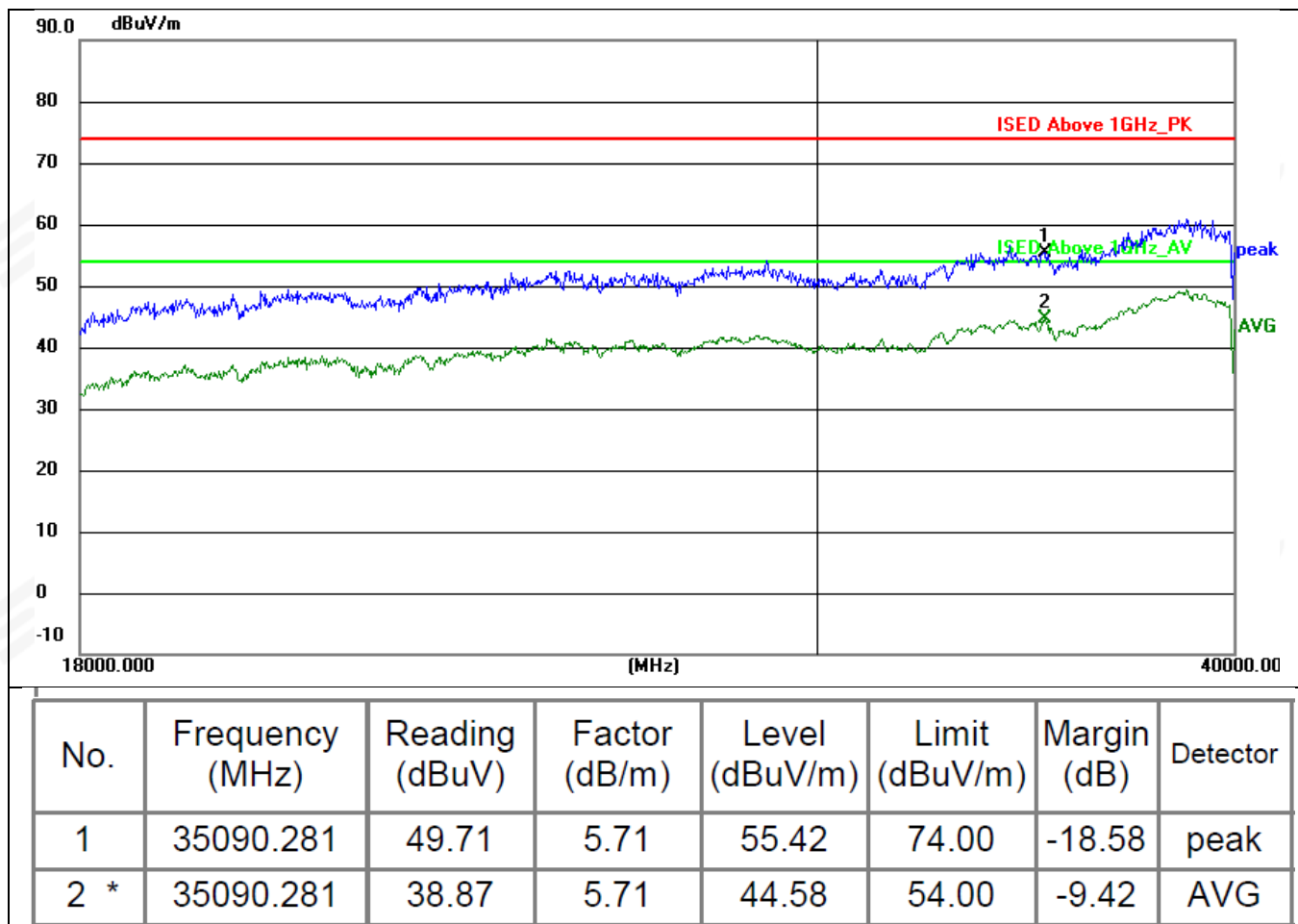
5.8G

Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5745 MHz(Worst data modulation AC20 MIMO mode)		



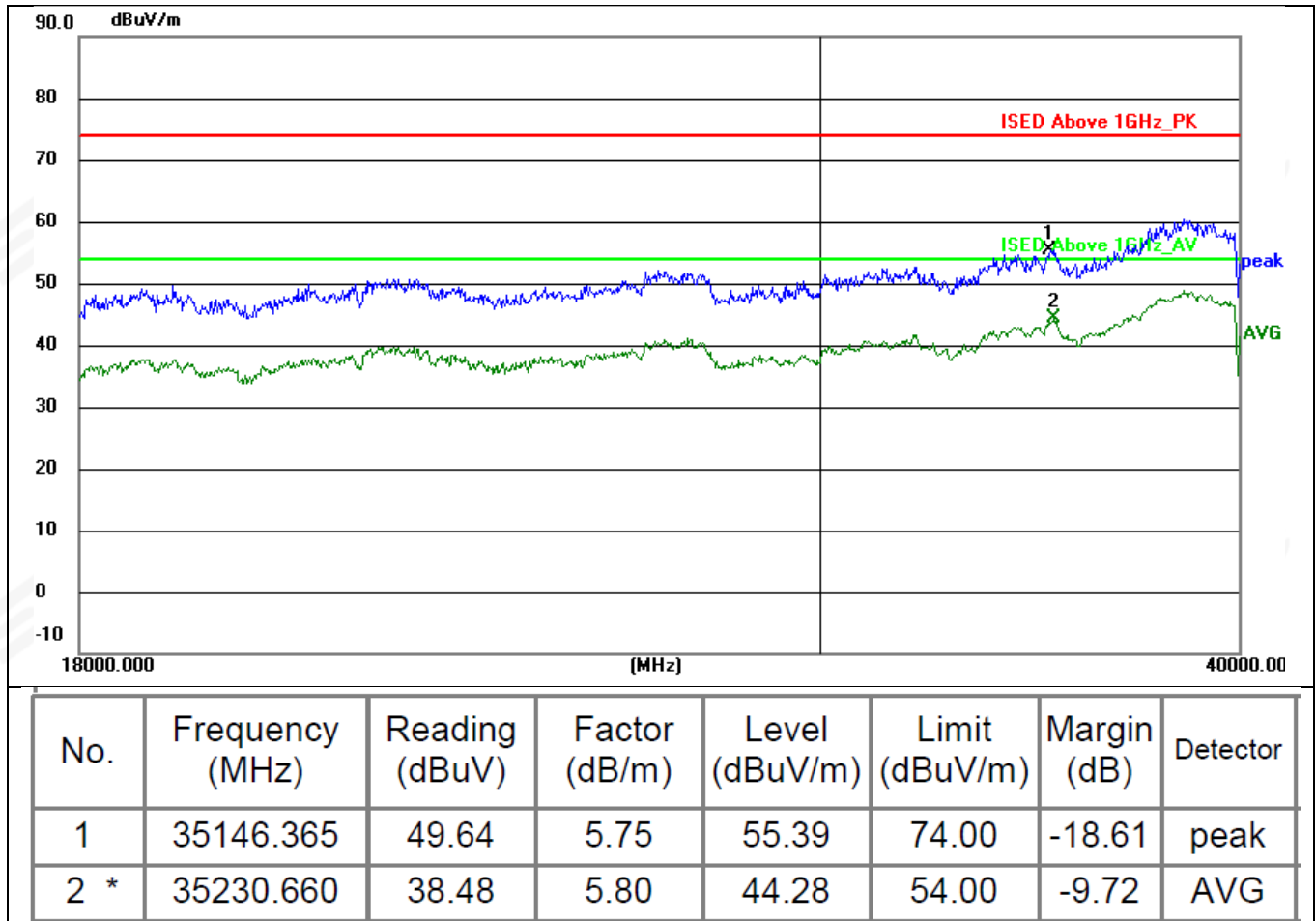


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5745 MHz(Worst data modulation AC20 MIMO mode)		



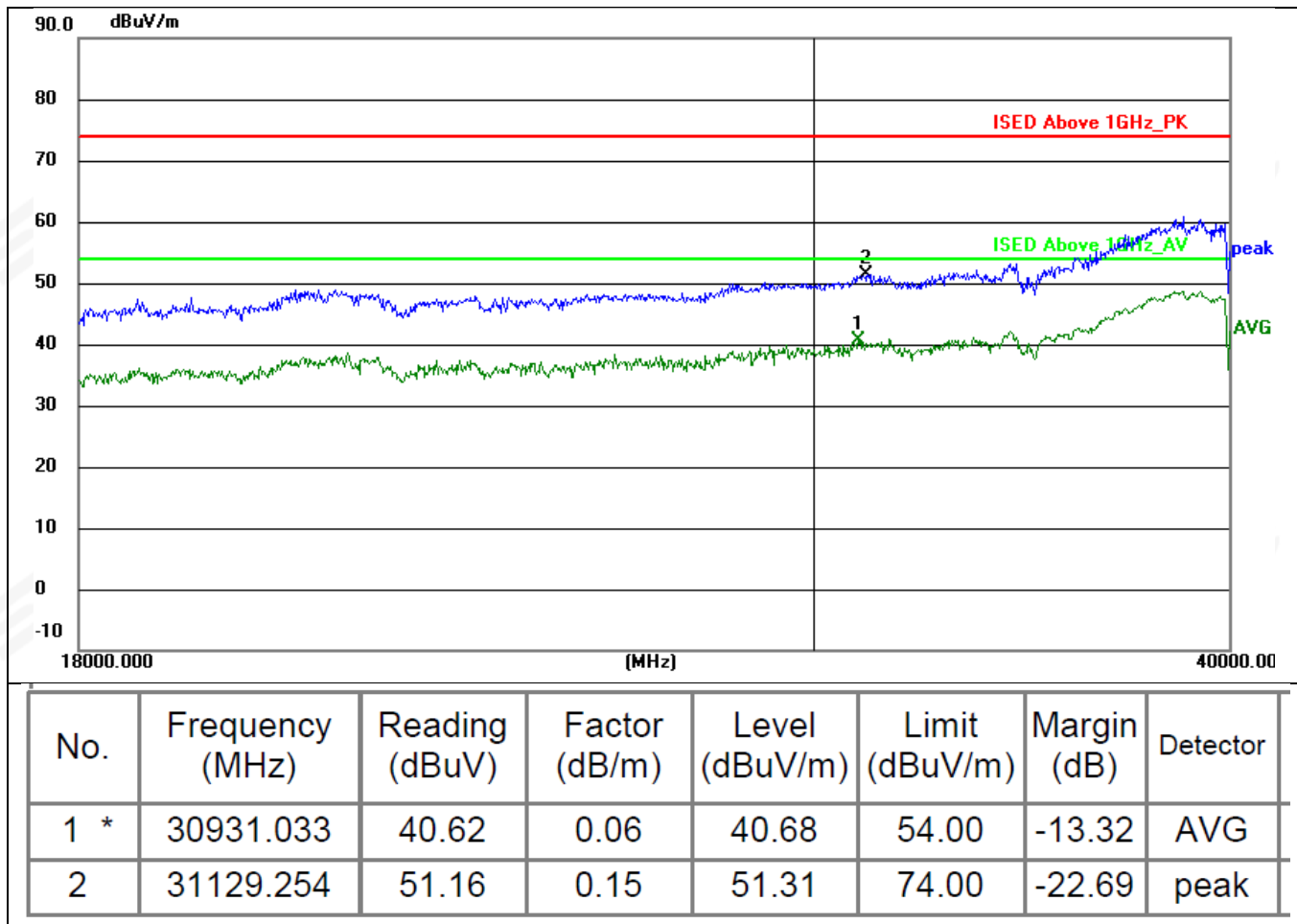


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5785 MHz(Worst data modulation AC20 MIMO mode)		



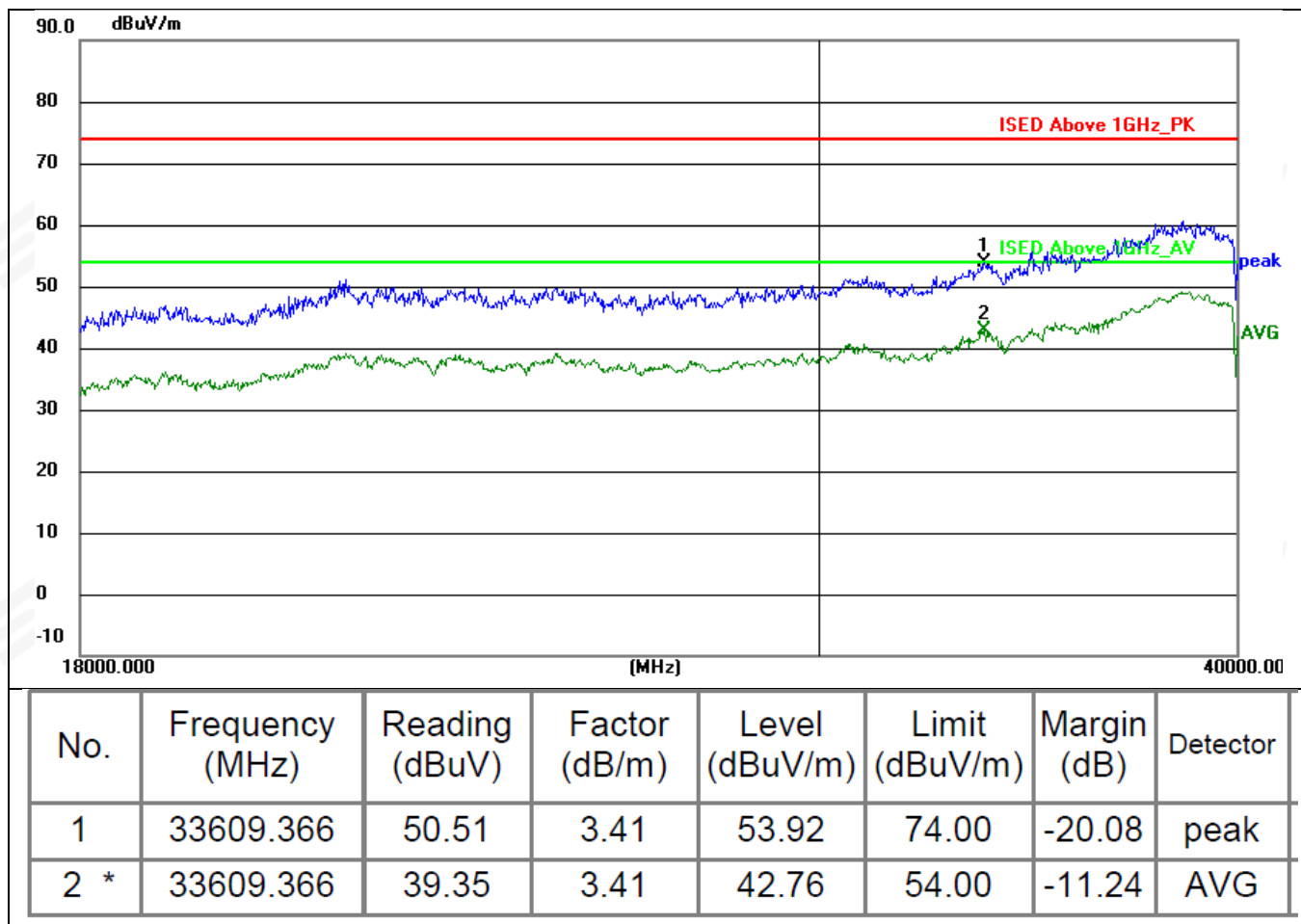


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5785 MHz(Worst data modulation AC20 MIMO mode)		



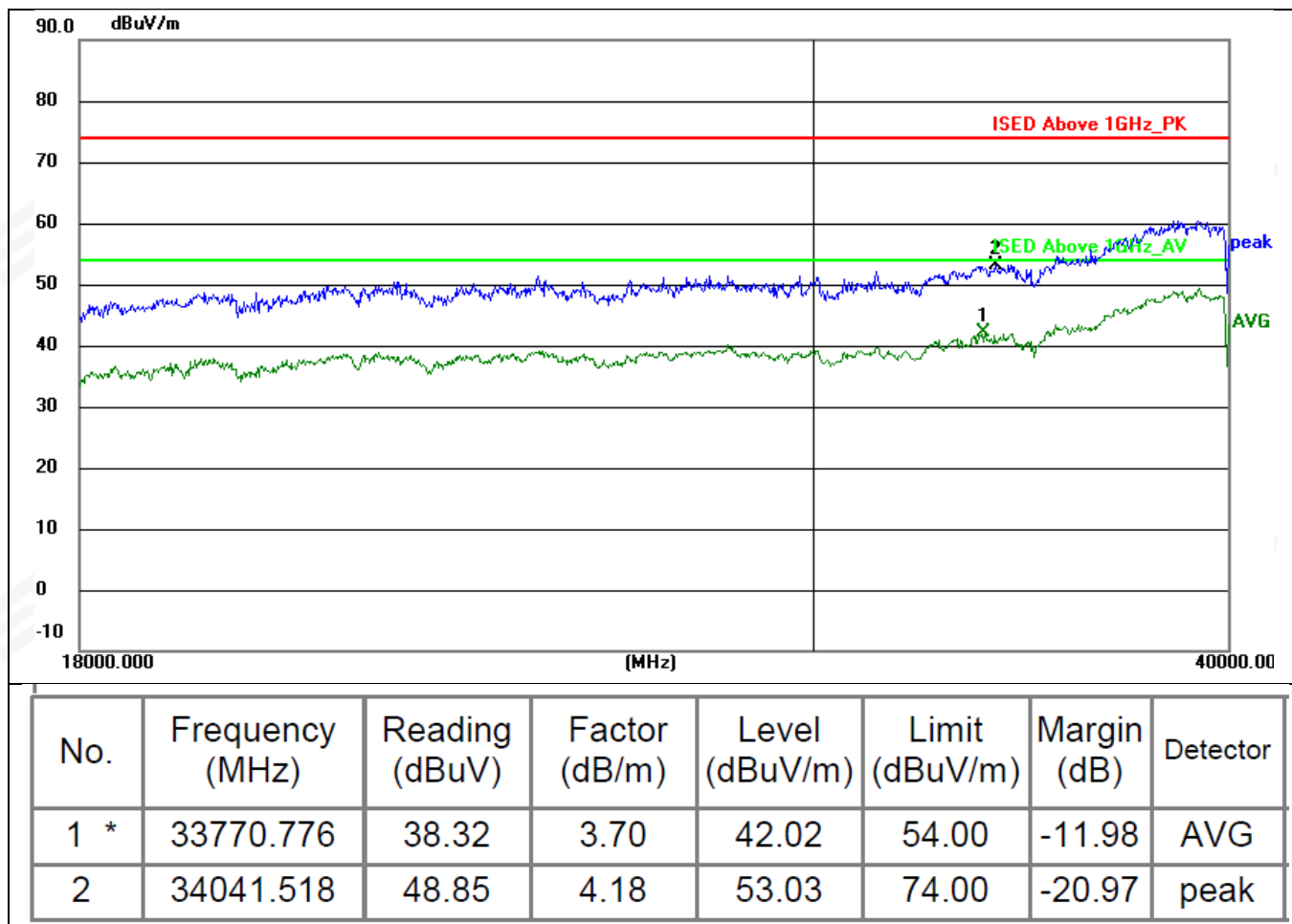


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5825 MHz(Worst data modulation AC20 MIMO mode)		



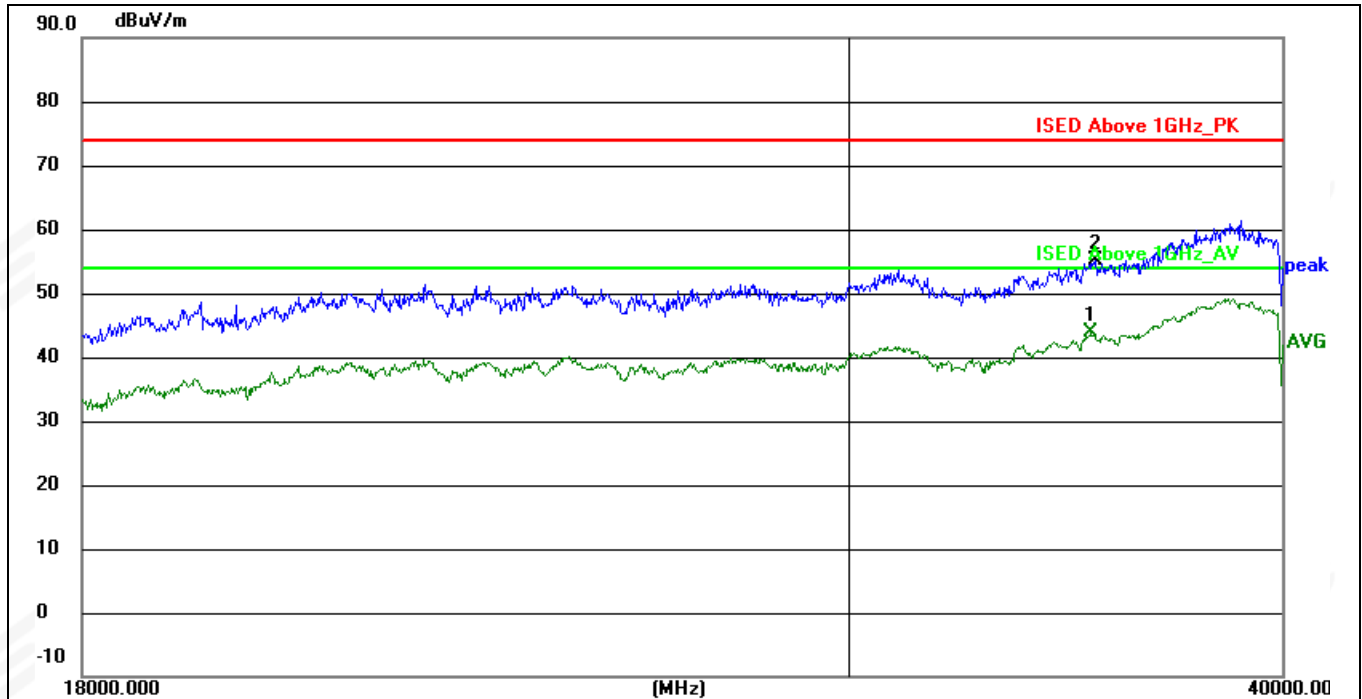


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5825 MHz(Worst data modulation AC20 MIMO mode)		





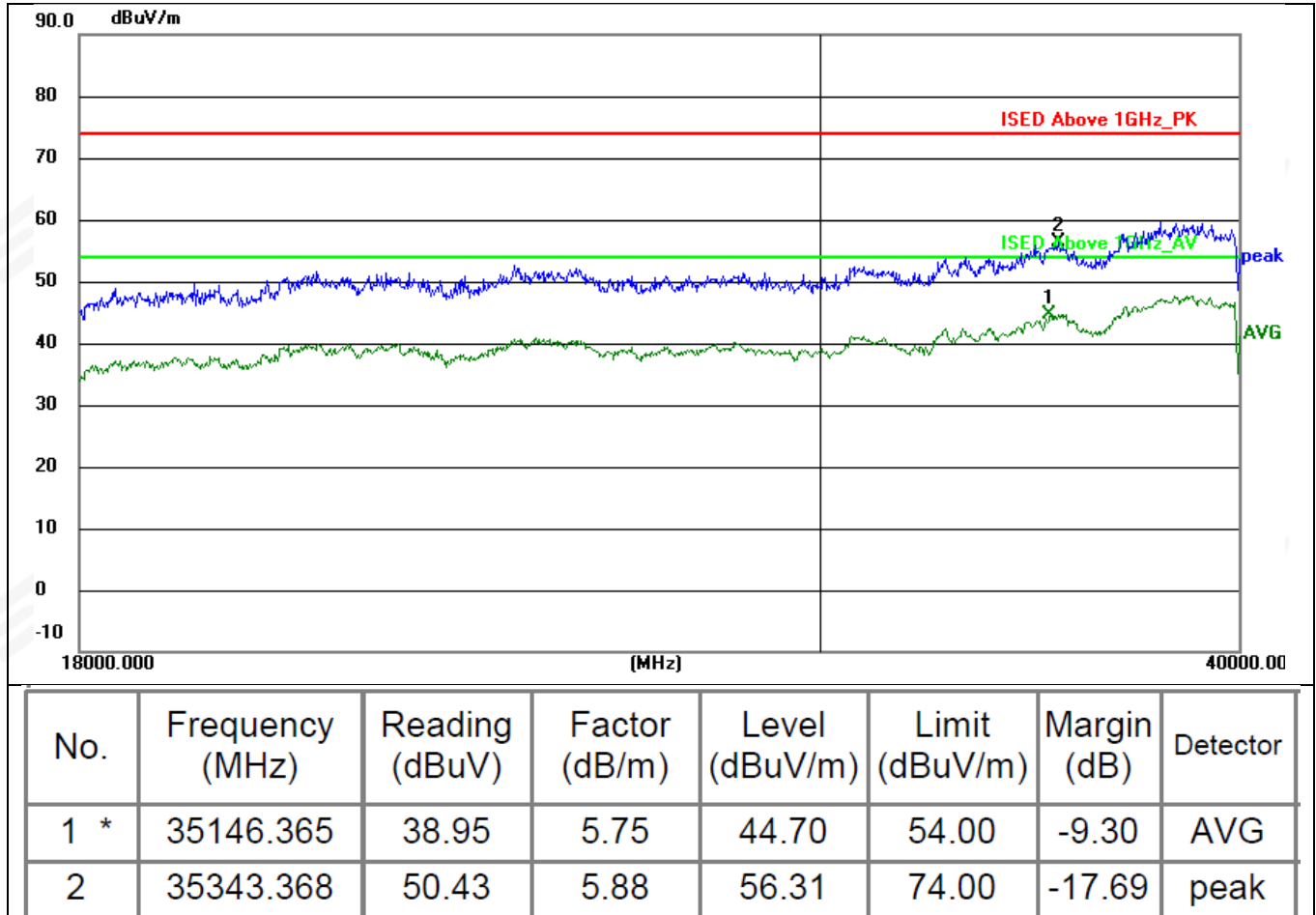
Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5755 MHz(Worst data modulation AC40 MIMO mode)		



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	35230.660	38.16	5.80	43.96	54.00	-10.04	AVG
2	35343.368	49.14	5.88	55.02	74.00	-18.98	peak

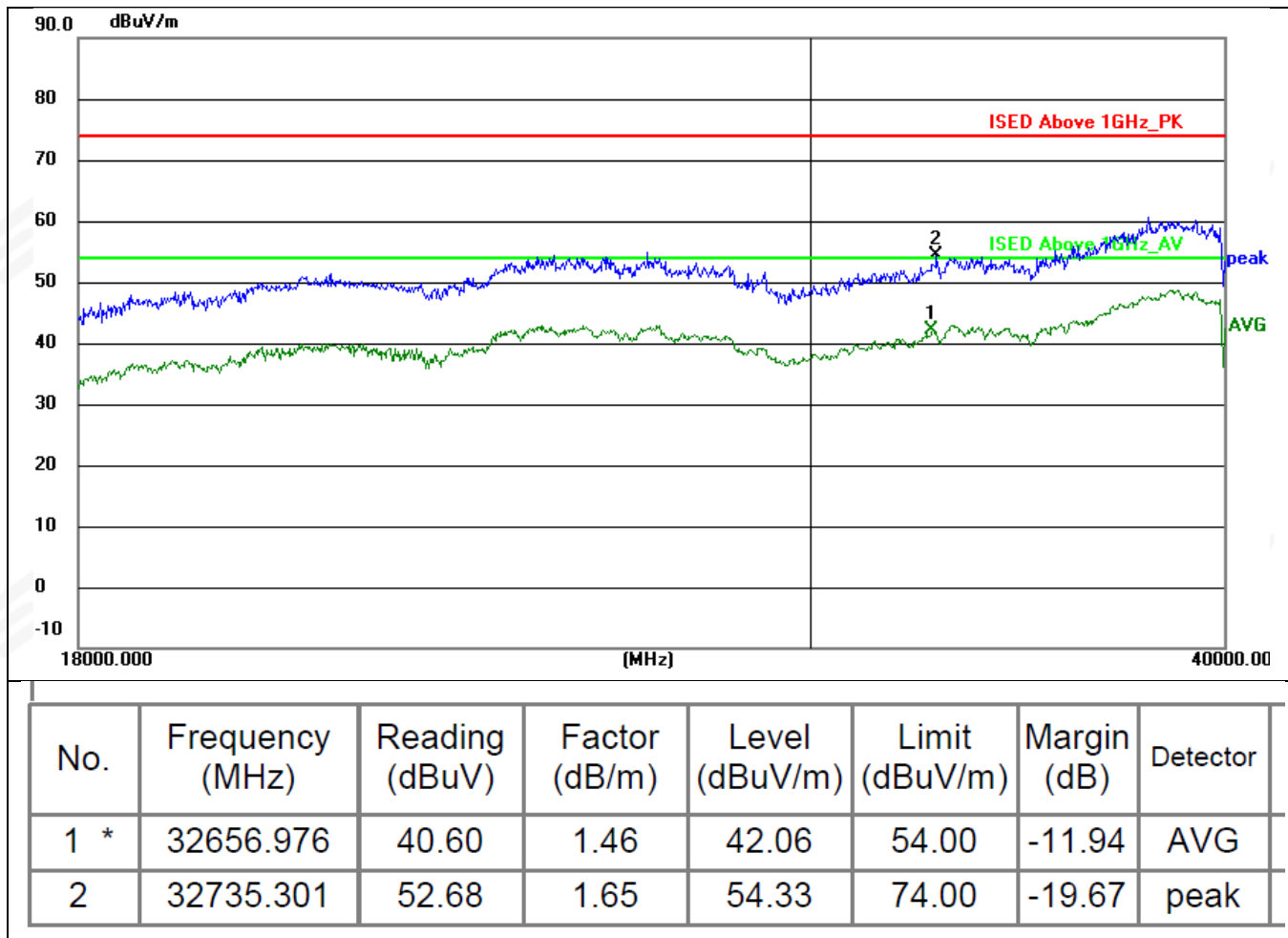


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5755 MHz(Worst data modulation AC40 MIMO mode)		



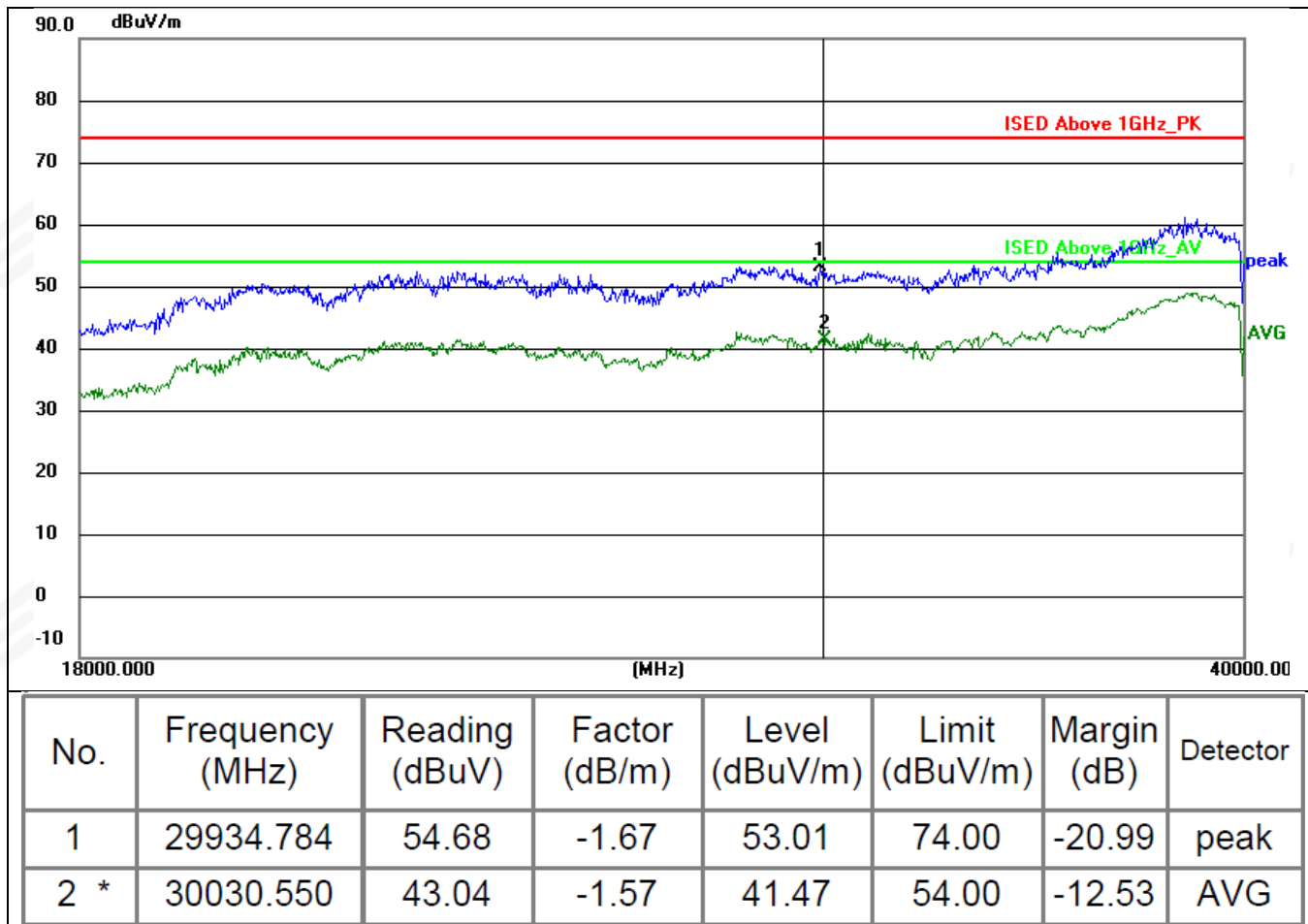


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5795 MHz(Worst data modulation AC40 MIMO mode)		



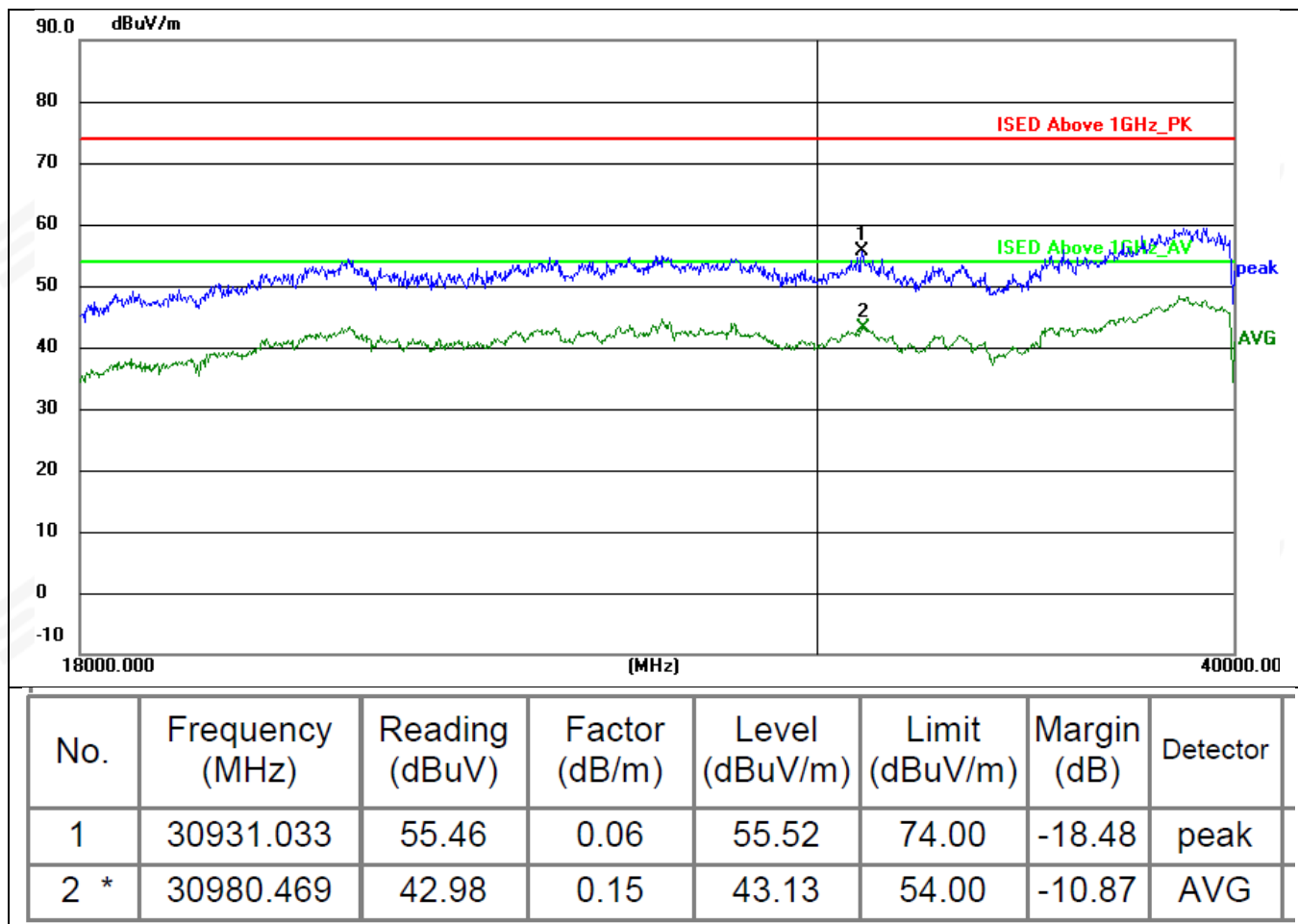


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5795 MHz(Worst data modulation AC40 MIMO mode)		



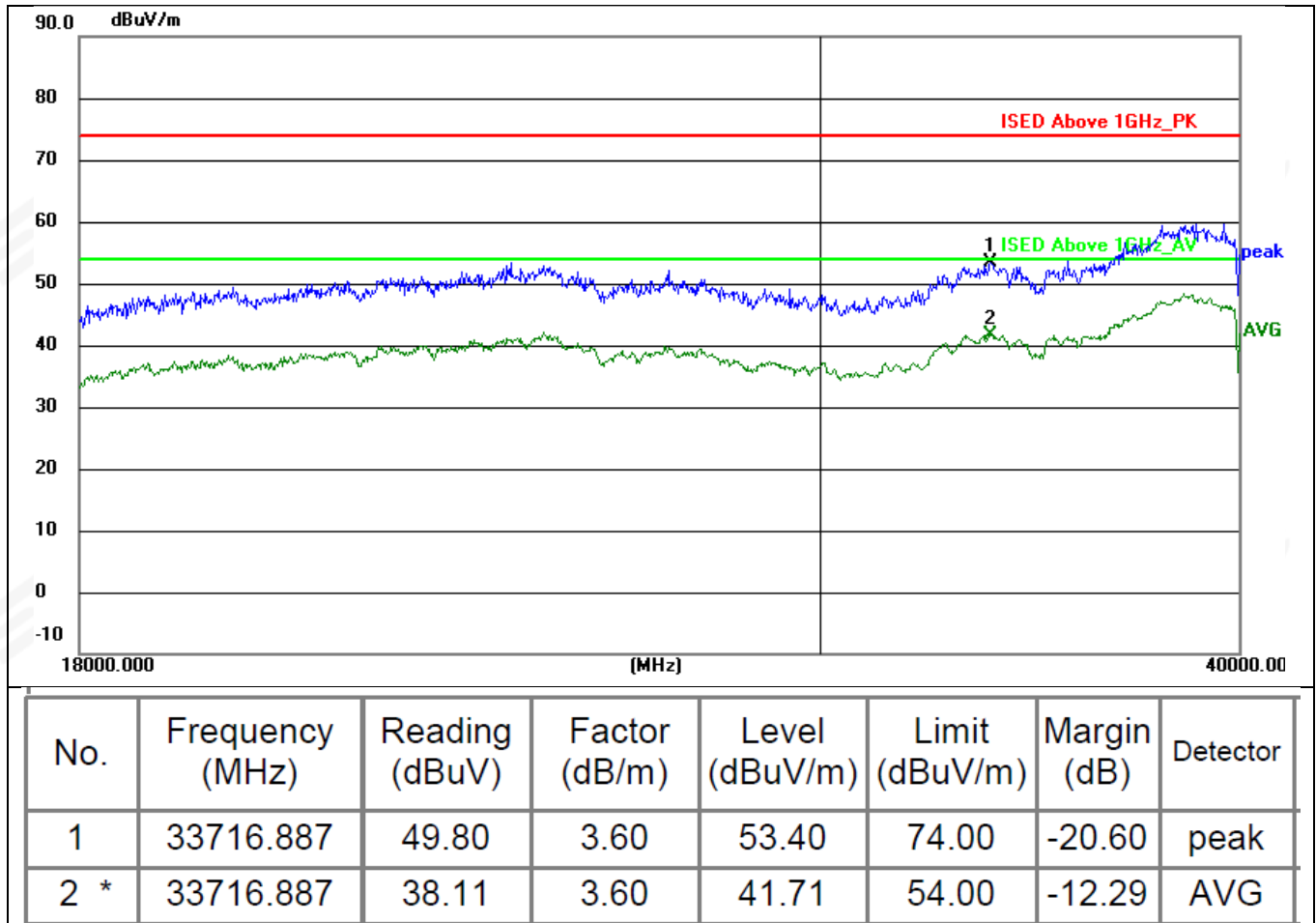


Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Horizontal
Test Frequency:	5775 MHz(Worst data modulation AC80 MIMO mode)		





Temperature:	26 °C	Relative Humidity:	54 %
Test Voltage:	AC 120V/60Hz	Phase:	Vertical
Test Frequency:	5775 MHz(Worst data modulation AC80 MIMO mode)		



Remark:

- 1.Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. All modes have been measurement, only worst mode was reported.
3. The frequency emission of peak points that did not show above the forms are at least 20dB below the limit, the frequency emission is mainly from the environment noise.



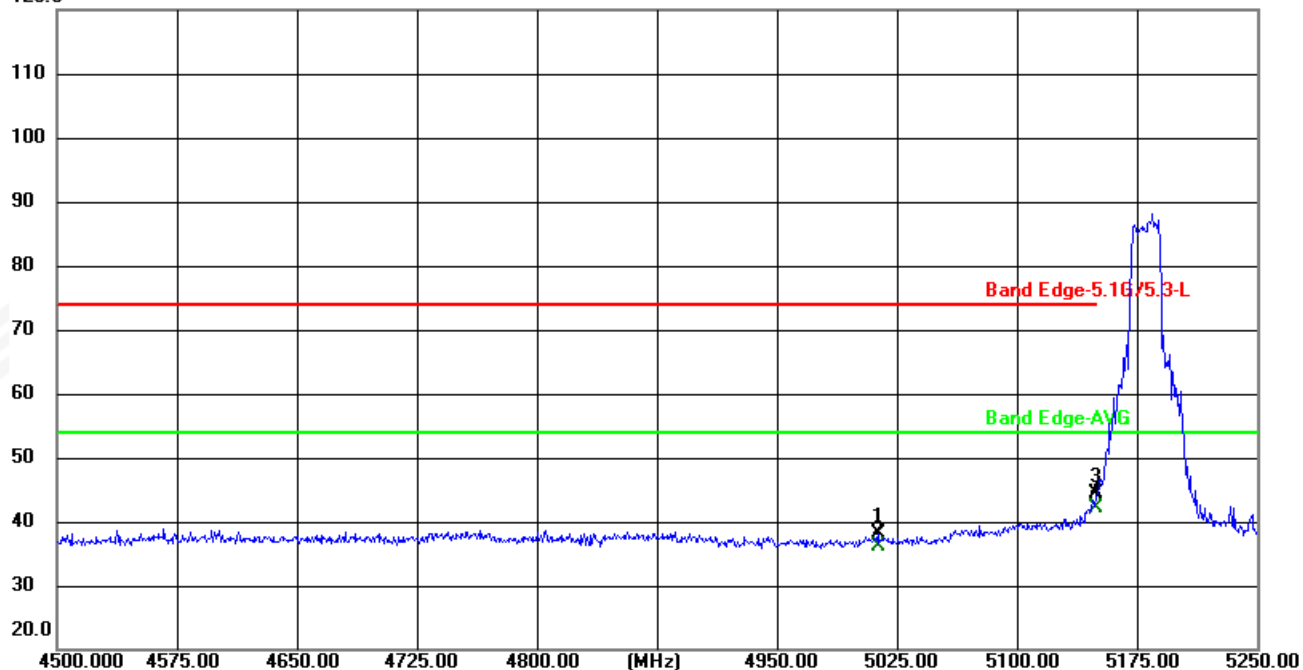
3.2.9 TEST RESULTS(Band edge Requirements)

U-NII-1 (5.150-5.2500) GHz

AC20(MIMO)-Low

Horizontal

120.0 dBuV/m

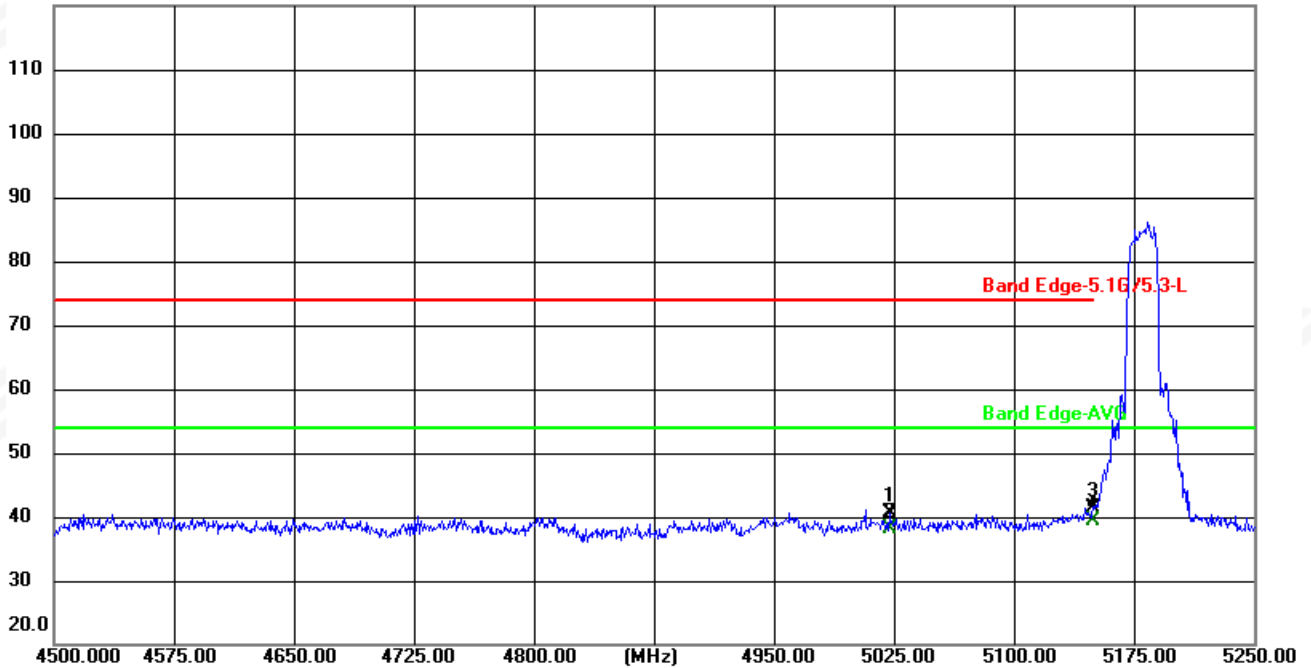


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5013.000	58.89	-20.84	38.05	74.00	-35.95	peak
2	5013.000	56.96	-20.84	36.12	54.00	-17.88	AVG
3	5150.000	64.57	-20.21	44.36	74.00	-29.64	peak
4 *	5150.000	62.31	-20.21	42.10	54.00	-11.90	AVG



AC20(MIMO)-Low
Vertical

120.0 dBuV/m



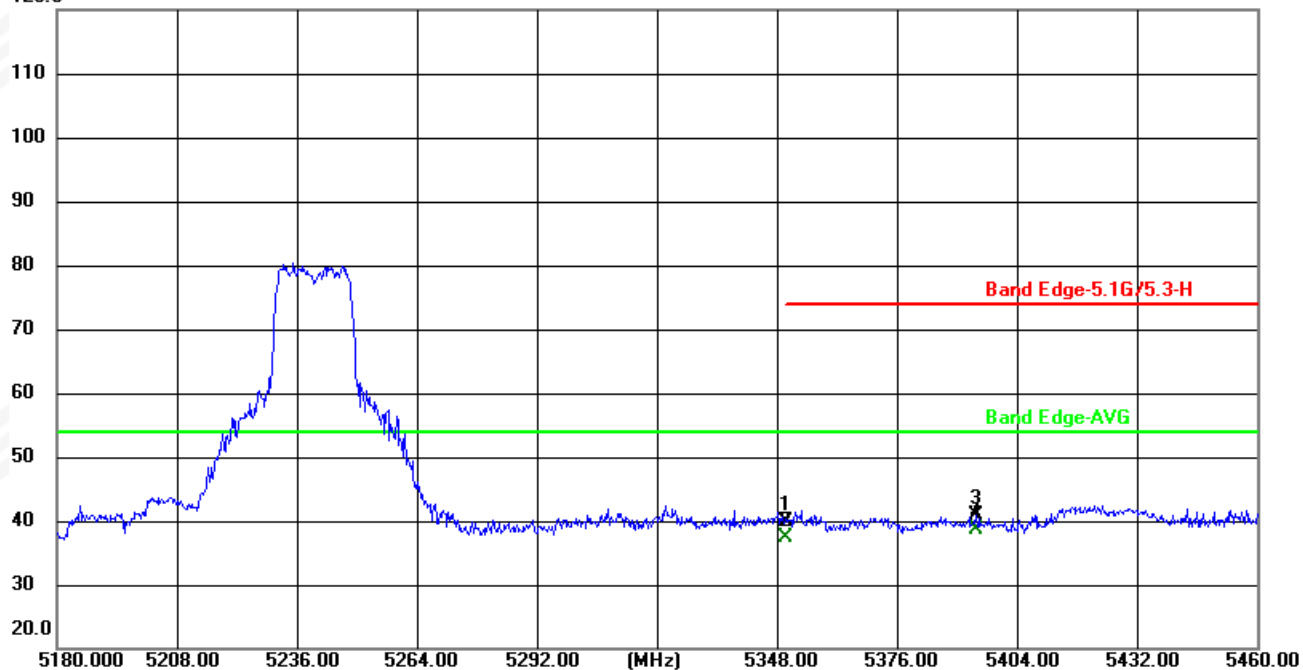
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5022.000	61.50	-20.80	40.70	74.00	-33.30	peak
2	5022.000	58.94	-20.80	38.14	54.00	-15.86	AVG
3	5150.000	61.67	-20.21	41.46	74.00	-32.54	peak
4 *	5150.000	59.56	-20.21	39.35	54.00	-14.65	AVG



AC20(MIMO)-High

Horizontal

120.0 dBuV/m



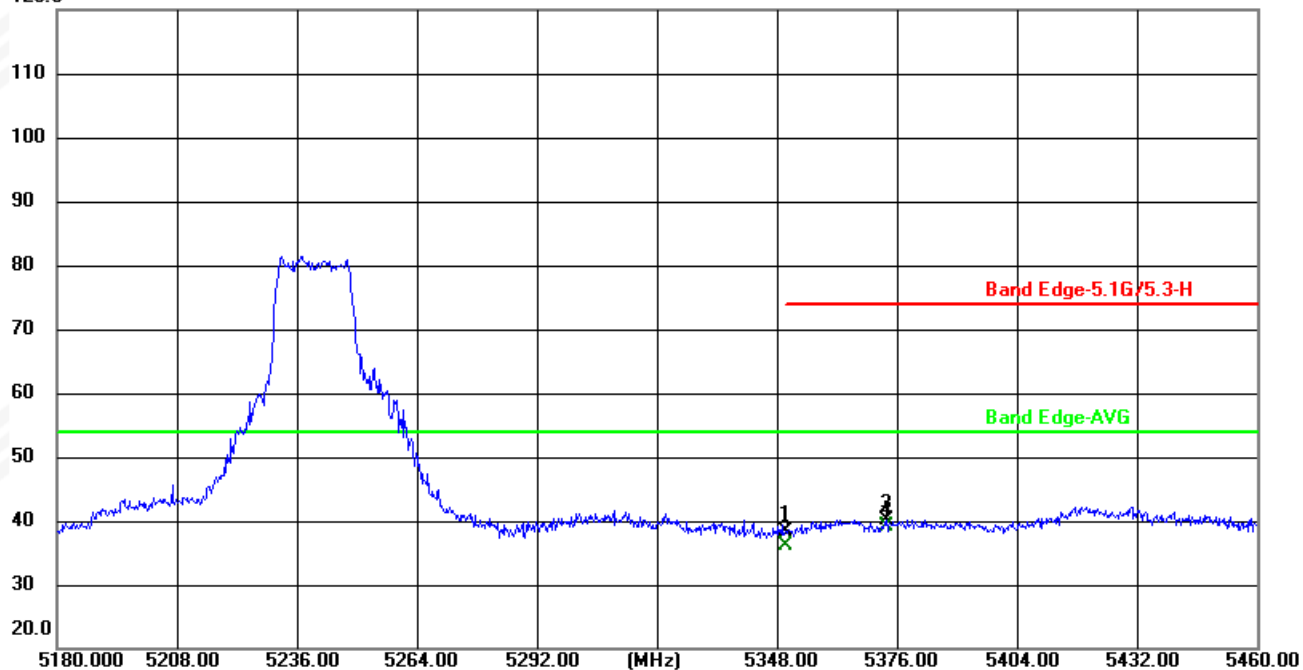
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	59.28	-19.29	39.99	74.00	-34.01	peak
2	5350.000	56.72	-19.29	37.43	54.00	-16.57	AVG
3	5394.480	59.85	-19.09	40.76	74.00	-33.24	peak
4 *	5394.480	57.65	-19.09	38.56	54.00	-15.44	AVG



AC20(MIMO)-High

Vertical

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	57.60	-19.29	38.31	74.00	-35.69	peak
2	5350.000	55.43	-19.29	36.14	54.00	-17.86	AVG
3	5373.480	59.31	-19.18	40.13	74.00	-33.87	peak
4 *	5373.480	58.20	-19.18	39.02	54.00	-14.98	AVG

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

2. All modes have been measurement, only worst mode was reported.

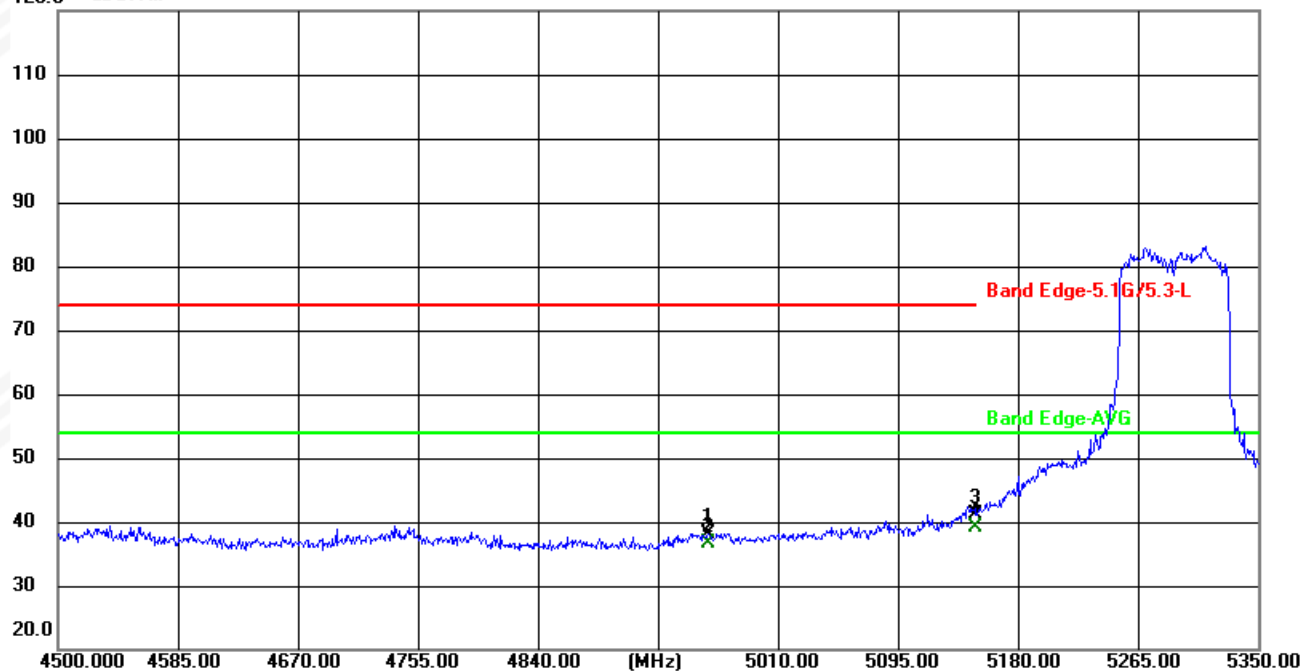


U-NII-2A 5250-5350MHz

AC20(MIMO)-Low

Horizontal

120.0 dBuV/m

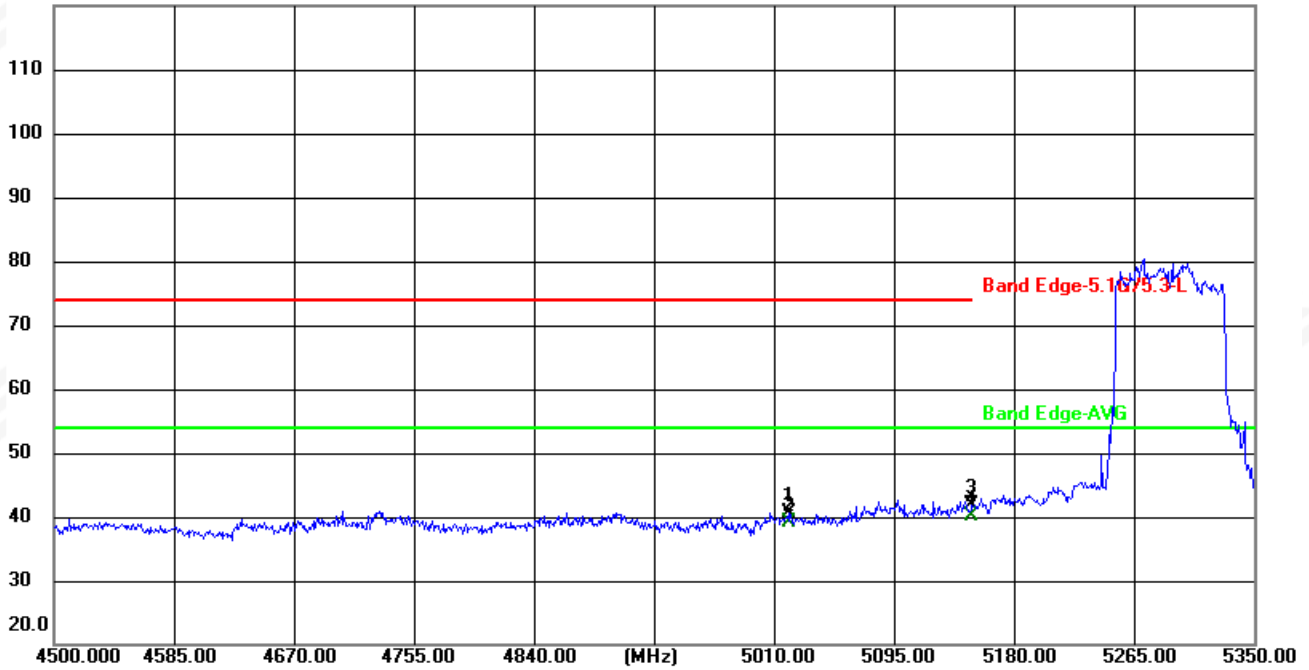


No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	4960.700	59.12	-20.92	38.20	74.00	-35.80	peak
2	4960.700	57.48	-20.92	36.56	54.00	-17.44	AVG
3	5150.000	61.29	-20.21	41.08	74.00	-32.92	peak
4 *	5150.000	59.44	-20.21	39.23	54.00	-14.77	AVG



AC20(MIMO)-Low
Vertical

120.0 dBuV/m



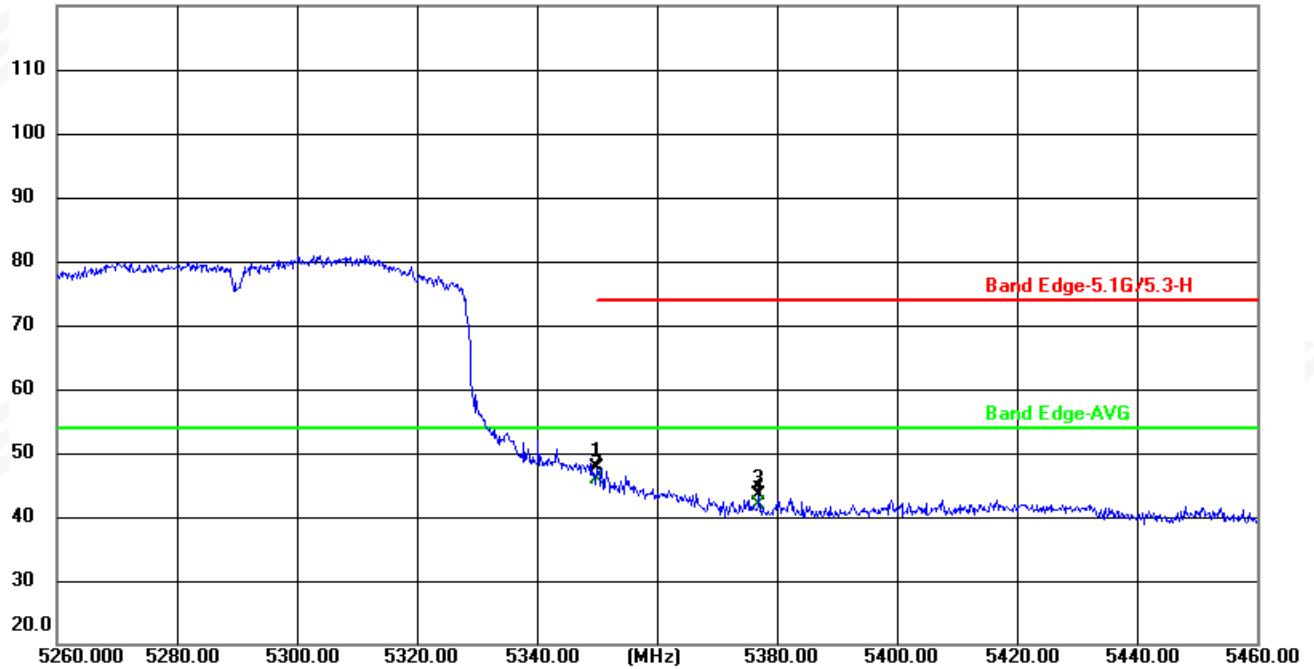
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5021.050	61.50	-20.80	40.70	74.00	-33.30	peak
2	5021.050	59.82	-20.80	39.02	54.00	-14.98	AVG
3	5150.000	62.03	-20.21	41.82	74.00	-32.18	peak
4 *	5150.000	60.33	-20.21	40.12	54.00	-13.88	AVG



AC20(MIMO)-High

Horizontal

120.0 dBuV/m



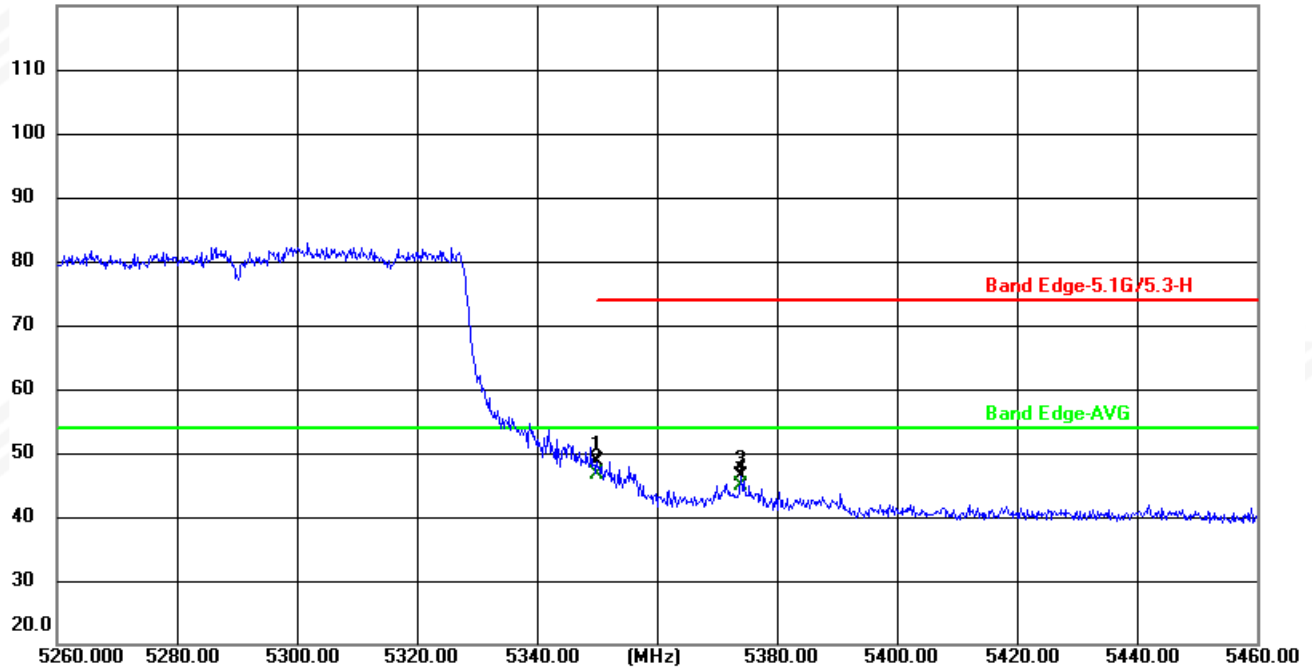
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	66.91	-19.29	47.62	74.00	-26.38	peak
2 *	5350.000	65.24	-19.29	45.95	54.00	-8.05	AVG
3	5377.000	62.51	-19.17	43.34	74.00	-30.66	peak
4	5377.000	61.01	-19.17	41.84	54.00	-12.16	AVG



AC20(MIMO)-High

Vertical

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5350.000	67.83	-19.29	48.54	74.00	-25.46	peak
2 *	5350.000	65.93	-19.29	46.64	54.00	-7.36	AVG
3	5374.000	65.57	-19.18	46.39	74.00	-27.61	peak
4	5374.000	63.94	-19.18	44.76	54.00	-9.24	AVG

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.

2. All modes have been measurement, only worst mode was reported.

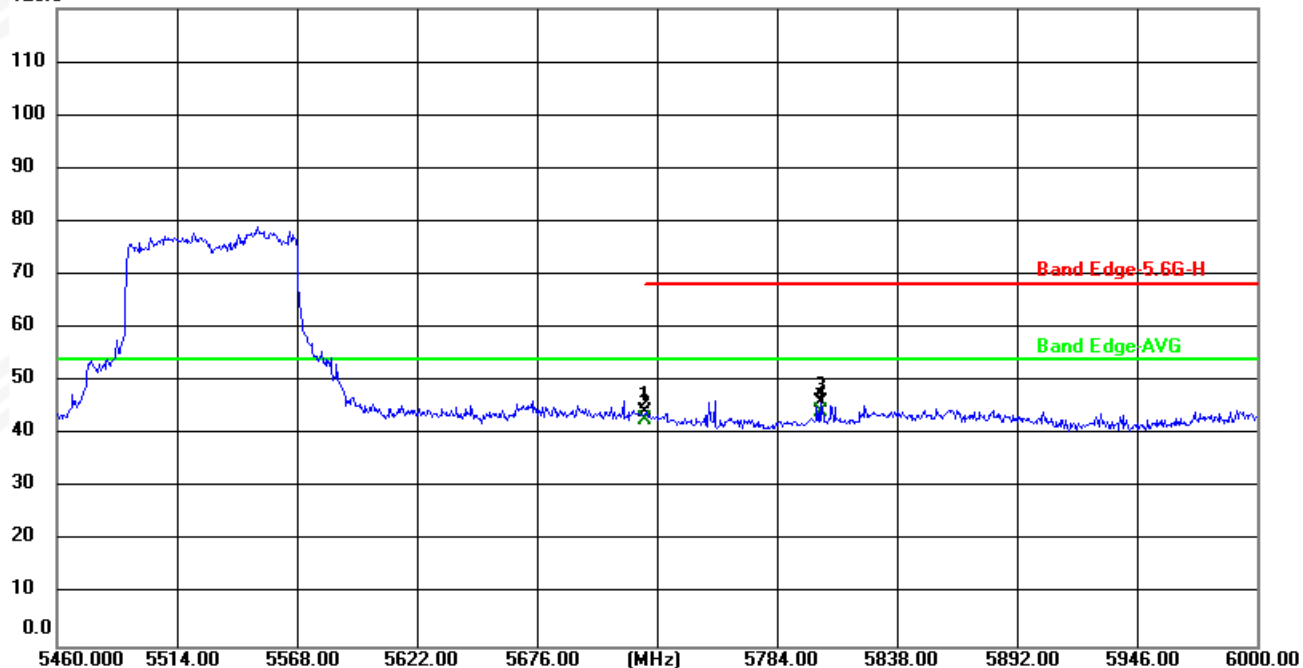


U-NII-2C 5470-5725MHz

AC20(MIMO)-Low

Horizontal

120.0 dBuV/m



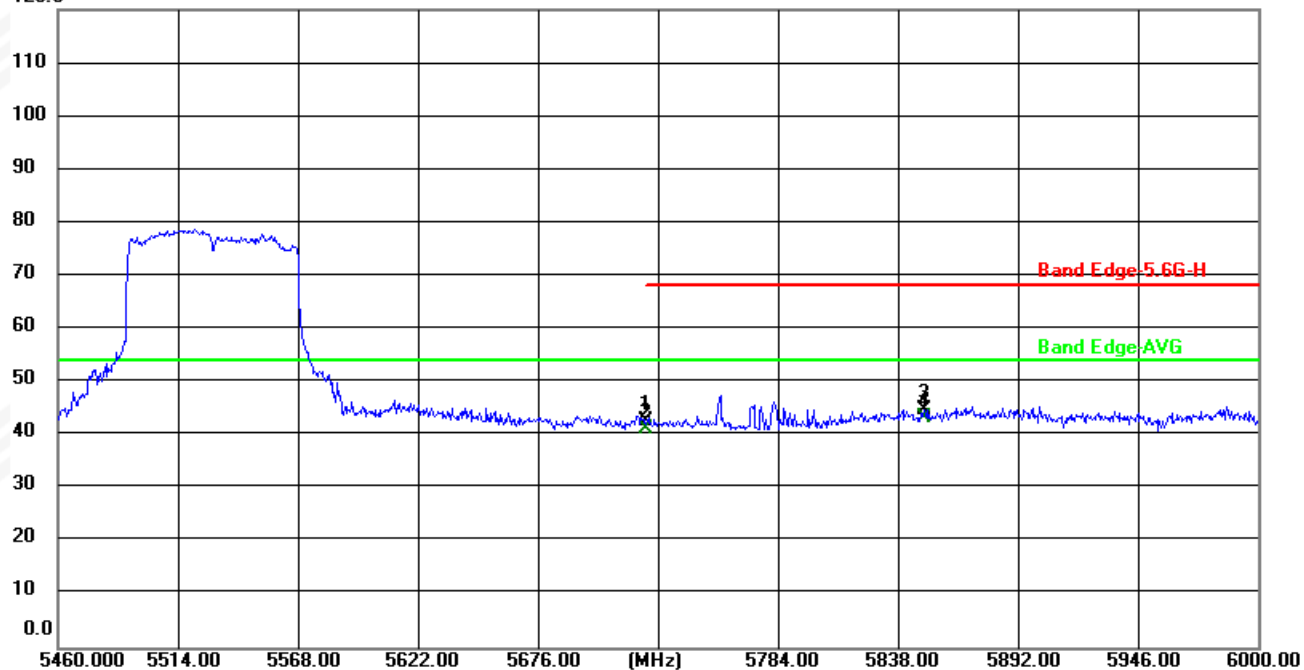
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5725.000	33.98	10.30	44.28	68.20	-23.92	peak
2	5725.000	32.33	10.30	42.63	54.00	-11.37	AVG
3	5803.440	35.82	10.36	46.18	68.20	-22.02	peak
4 *	5803.440	33.80	10.36	44.16	54.00	-9.84	AVG



AC20(MIMO)-Low

Vertical

120.0 dBuV/m



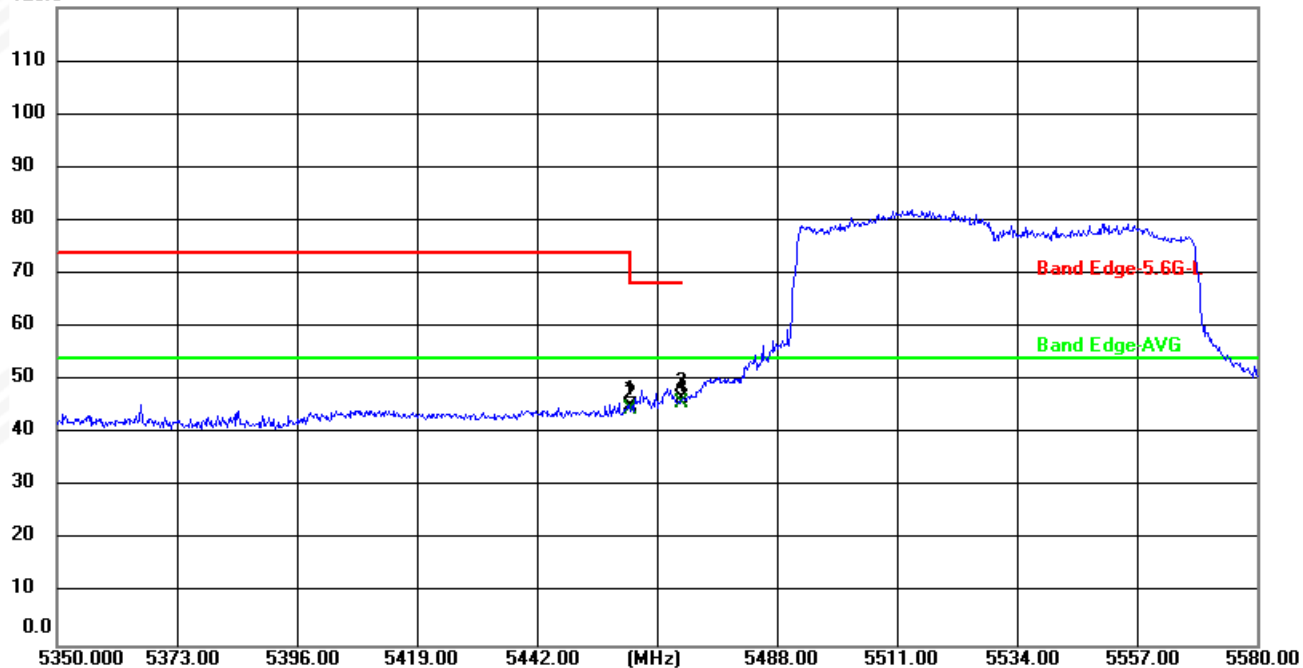
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5725.000	32.33	10.30	42.63	68.20	-25.57	peak
2	5725.000	30.82	10.30	41.12	54.00	-12.88	AVG
3	5849.880	34.46	10.40	44.86	68.20	-23.34	peak
4 *	5849.880	32.95	10.40	43.35	54.00	-10.65	AVG



AC20(MIMO)-High

Horizontal

120.0 dBuV/m



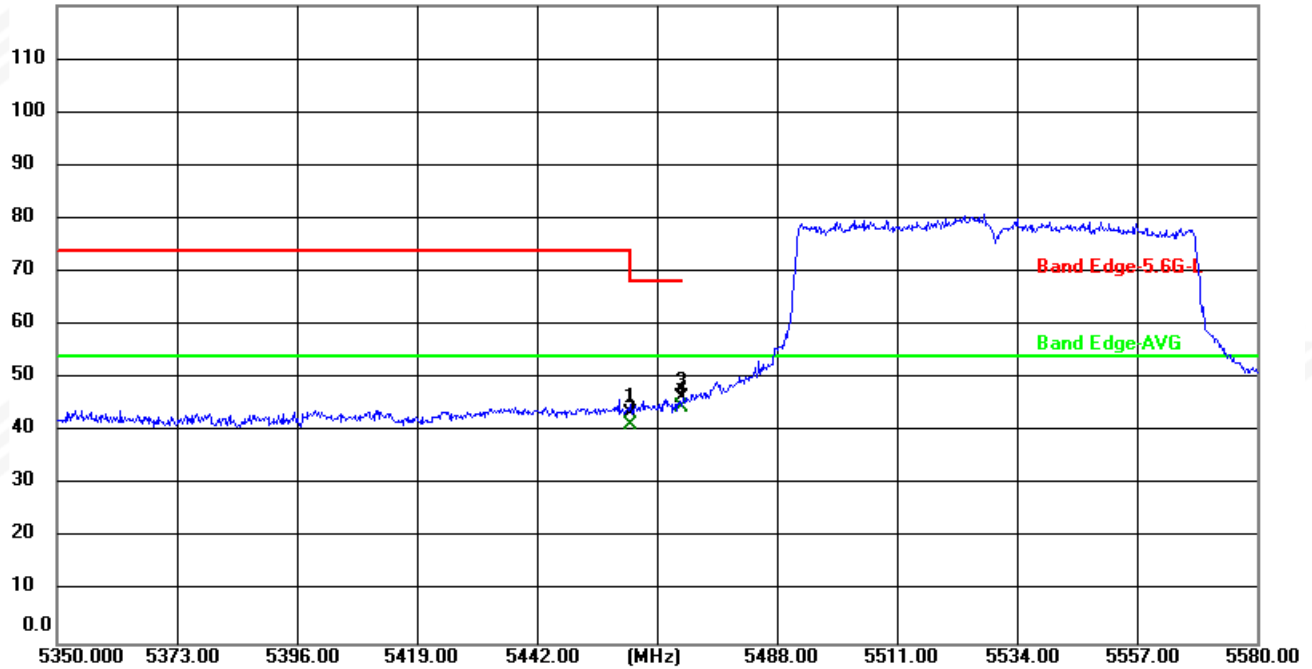
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5460.000	35.26	9.90	45.16	68.20	-23.04	peak
2	5460.000	34.56	9.90	44.46	54.00	-9.54	AVG
3	5470.000	36.82	9.94	46.76	68.20	-21.44	peak
4 *	5470.000	35.70	9.94	45.64	54.00	-8.36	AVG



AC20(MIMO)-High

Vertical

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5460.000	33.58	9.90	43.48	68.20	-24.72	peak
2	5460.000	31.42	9.90	41.32	54.00	-12.68	AVG
3	5470.000	36.42	9.94	46.36	68.20	-21.84	peak
4 *	5470.000	34.73	9.94	44.67	54.00	-9.33	AVG

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. All modes have been measurement, only worst mode was reported.

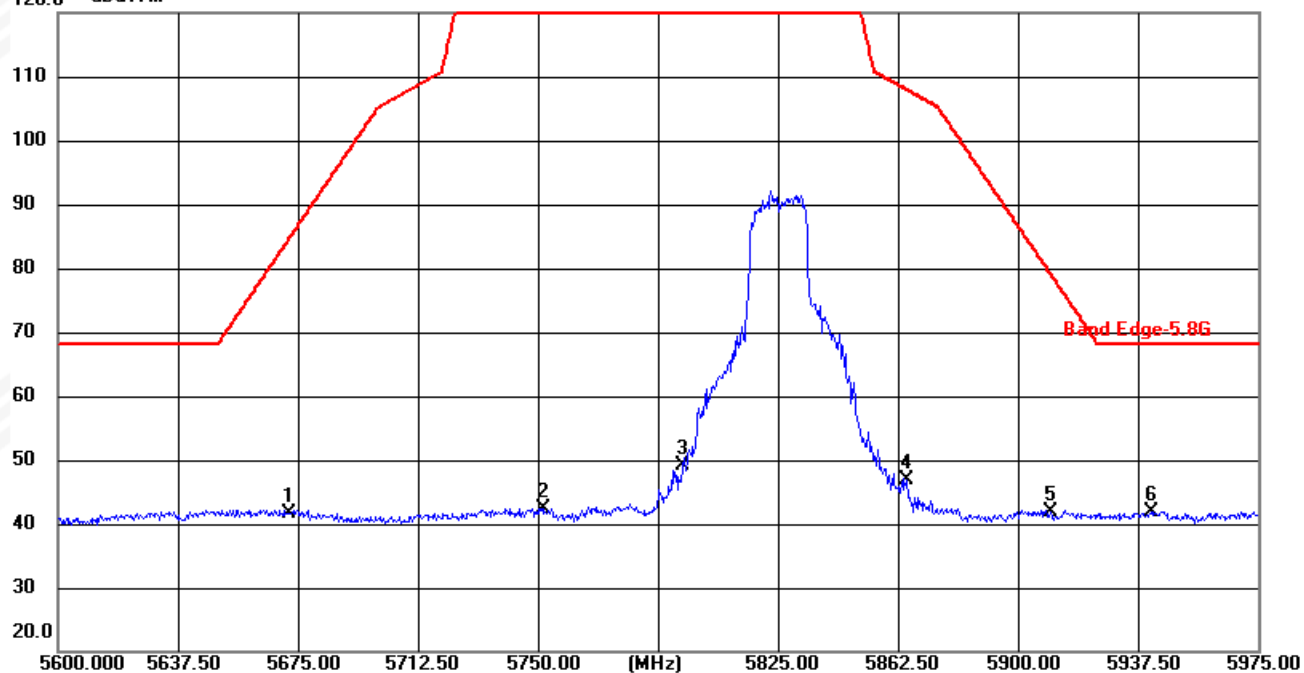


U-NII-3 (5.725-5.850) GHz

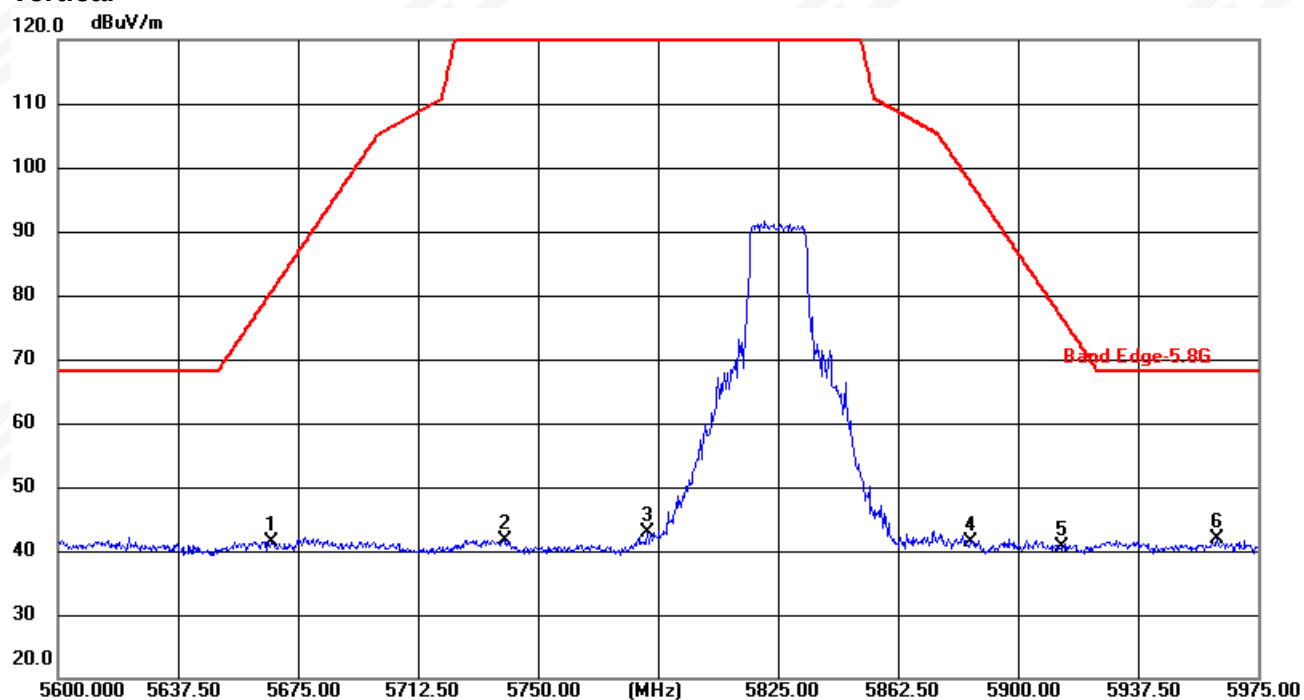
AC20(MIMO)-Low

Horizontal

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5672.000	-41.07	82.72	41.65	84.52	-42.87	peak
2	5751.875	-40.17	82.60	42.43	122.20	-79.77	peak
3	5795.375	-33.51	82.54	49.03	122.20	-73.17	peak
4	5865.125	-35.53	82.43	46.90	107.96	-61.06	peak
5	5910.125	-40.59	82.37	41.78	79.17	-37.39	peak
6 *	5941.625	-40.32	82.31	41.99	68.20	-26.21	peak

**AC20(MIMO)-Low
Vertical**

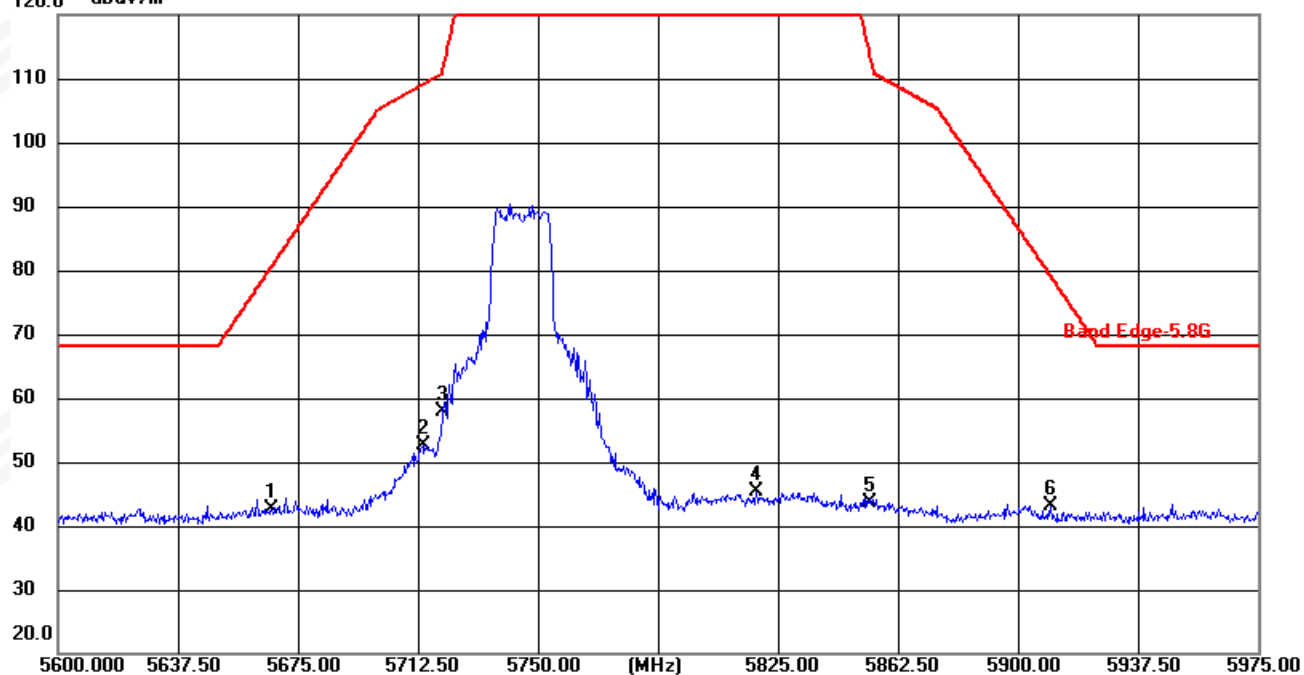
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5666.750	-41.37	82.73	41.36	80.63	-39.27	peak
2	5739.500	-40.92	82.61	41.69	122.20	-80.51	peak
3	5784.125	-39.70	82.55	42.85	122.20	-79.35	peak
4	5885.375	-41.02	82.40	41.38	97.50	-56.12	peak
5	5913.875	-41.71	82.36	40.65	76.41	-35.76	peak
6 *	5962.250	-40.47	82.29	41.82	68.20	-26.38	peak



AC20(MIMO)-High

Horizontal

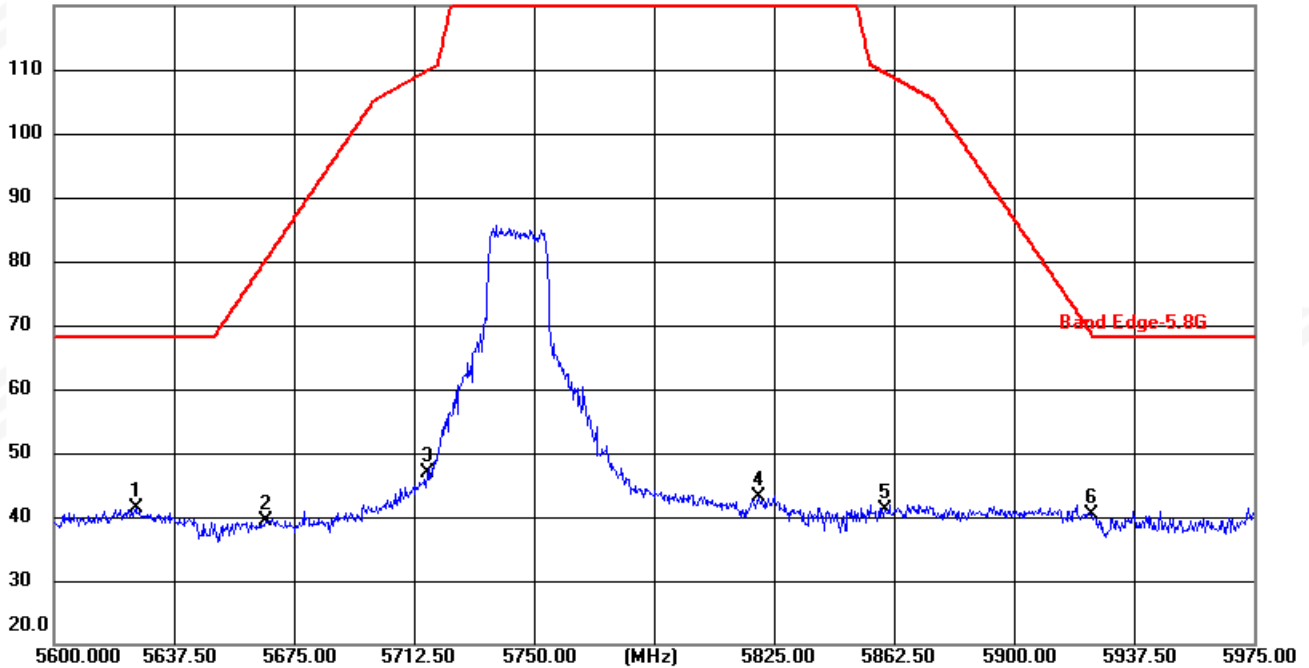
120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	5666.750	-40.00	82.73	42.73	80.63	-37.90	peak
2	5714.000	-30.14	82.66	52.52	109.12	-56.60	peak
3	5720.000	-24.85	82.65	57.80	110.80	-53.00	peak
4	5818.250	-37.14	82.50	45.36	122.20	-76.84	peak
5	5853.500	-38.77	82.44	43.67	114.22	-70.55	peak
6 *	5910.125	-39.35	82.37	43.02	79.17	-36.15	peak

AC20(MIMO)-High
Vertical

120.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1 *	5625.500	-41.53	82.79	41.26	68.20	-26.94	peak
2	5666.000	-43.47	82.73	39.26	80.08	-40.82	peak
3	5716.625	-35.74	82.65	46.91	109.86	-62.95	peak
4	5820.125	-39.44	82.49	43.05	122.20	-79.15	peak
5	5859.875	-41.27	82.44	41.17	109.43	-68.26	peak
6	5924.375	-41.93	82.34	40.41	68.66	-28.25	peak

Remark:

1. Factor = Antenna Factor + Cable Loss – Pre-amplifier.
2. All modes have been measurement, only worst mode was reported.



4. POWER SPECTRAL DENSITY TEST

4.1 LIMIT

1. For mobile and portable client devices in the 5.15-5.25 GHz band, , the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
2. For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
3. For the band 5.725-5.850 GHz, the peak power spectral density shall not exceed 30 dBm in any 500KHz band. If transmitting antenna directional gain is greater than 6 dBi, both the maximum conducted output power and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

4.2 TEST PROCEDURE

1. The setting follows Method SA-1 of FCC KDB 789033 D02 General U-NII Test Procedures New Rules v02r01.

For devices operating in the band, the rules specify a measurement bandwidth of 500 kHz. Many spectrum analyzers do not have 500 kHz RBW, thus a narrower RBW may need to be used. The rules permit the use of a RBWs less than 1 MHz, or 500 kHz, “provided that the measured power is integrated over the full reference bandwidth” to show the total power over the specified measurement bandwidth (*i.e.*, 1 MHz, or 500 kHz). If measurements are performed using a reduced resolution bandwidth (< 1 MHz, or < 500 kHz) and integrated over 1 MHz, or 500 KHz bandwidth, the following adjustments to the procedures apply:

- a) Set $RBW \geq 1/T$, where T is defined in section II.B.I.a).
- b) Set $VBW \geq 3 RBW$.
- c) If measurement bandwidth of Maximum PSD is specified in 500 kHz, add $10 \log (500\text{kHz}/RBW)$ to the measured result, whereas $RBW (< 500 \text{ kHz})$ is the reduced resolution bandwidth of the spectrum analyzer set during measurement.
- d) If measurement bandwidth of Maximum PSD is specified in 1 MHz, add $10 \log (1\text{MHz}/RBW)$ to the measured result, whereas $RBW (< 1 \text{ MHz})$ is the reduced resolution bandwidth of spectrum analyzer set during measurement.
- e) Care must be taken to ensure that the measurements are performed during a period of continuous transmission or are corrected upward for duty cycle.
- f) Please refer to ANSI C63.10-2020 Section 12.6 Method SA-2.

Note: As a practical matter, it is recommended to use reduced RBW of 100 kHz for the sections 5.c) and 5.d) above, since $RBW=100 \text{ KHz}$ is available on nearly all spectrum analyzers.

4.3 DEVIATION FROM STANDARD

No deviation.

4.4 TEST SETUP



4.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.1 Unless otherwise a special operating condition is specified in the follows during the testing.



4.6 TEST RESULTS

Note: The test data please reference to attachment "STS2604328W04_Appendix 5G WIFI".

For U-NII 3:

1. Total PSD(dBm/500KHz) = Total PSD(dBm/510KHz) + RBW Factor
2. RBW Factor = $10 * \log(500/510)$



5. DUTY CYCLE

5.1 TEST STANDARD

Please refer to ANSI C63.10-2020 Section 12.2

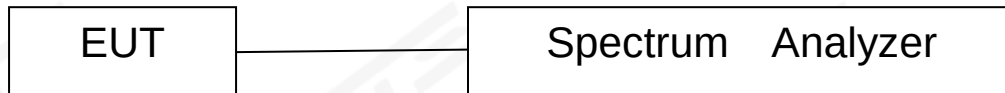
5.2 TEST PROCEDURE

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Zero
RB	set RBW to the largest available value
VB	$VBW \geq RBW$.
Detector	Peak
Trace	Clear Write
Sweep Time	Auto

5.3 DEVIATION FROM STANDARD

No deviation.

5.4 TEST SETUP



5.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 5 Unless otherwise a special operating condition is specified in the follows during the testing.

5.6 TEST RESULTS

Note: The test data please reference to attachment “STS2604328W04_Appendix 5G WIFI”.

6. BANDWIDTH MEASUREMENT

6.1 EMISSION BANDWIDTH (EBW) 26 BANDWID PROCEDURES / LIMIT

The following procedure shall be used for measuring 26 bandwidth

6.1.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.
2. Set RBW = approximately 1% of the emission bandwidth.
3. Set the VBW $\geq$ RBW.
4. Detector = Peak.
5. Trace mode = max hold.
6. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.1.5 TEST RESULTS

Note: The test data please reference to attachment "STS2604328W04_Appendix 5G WIFI".

6.2 OCCUPIED BANDWIDTH (99%) TEST APPLIED PROCEDURES / LIMIT

The following procedure shall be used for measuring (99 %) power bandwidth.

6.2.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures v02r01.

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

6.2.2 DEVIATION FROM STANDARD

No deviation.

6.2.3 TEST SETUP



6.2.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.2.5 TEST RESULTS

Note: The test data please reference to attachment “STS2604328W04_Appendix 5G WIFI”.

6.3 MINIMUM EMISSION BANDWIDTH(6 DB) PROCEDURES / LIMIT

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 KHz for the band 5.725-5.85 GHz. The following procedure shall be used for measuring this bandwidth.

6.3.1 TEST PROCEDURE

1. The testing follows FCC KDB 789033 D02 General UNII Test Procedures v02r01.

- a) Set RBW = 100 kHz.
- b) Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
- c) Detector = Peak.
- d) Trace mode = max hold.
- e) Sweep = auto couple.
- f) Allow the trace to stabilize.
- g) Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

6.3.2 DEVIATION FROM STANDARD

No deviation.

6.3.3 TEST SETUP



6.3.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.

6.3.5 TEST RESULTS

Note: The test data please reference to attachment "STS2604328W04_Appendix 5G WIFI".



7. MAXIMUM OUTPUT POWER

7.1 LIMIT

For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz, If transmitting antennas of directional gain greater than 6 dBi are used.

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. If transmitting antennas of directional gain greater than 6 dBi are used.

FCC Part15 (15.407) , Subpart E				
Section	Test Item	Limit	Frequency Range (MHz)	Result
15.407(a) (1) (iv)	Max Output Power	0.25 watt	5150-5250	PASS
		The lesser of 250 mW or 11 dBm + 10 log (26 dB emission bandwidth)	5250-5350 5470-5725	
15.407(a) (3)		1 watt	5725-5895	

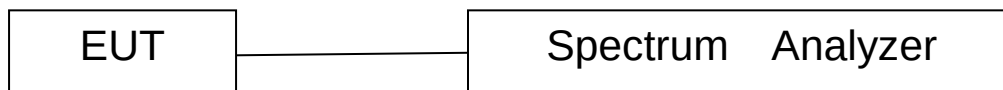
7.2 TEST PROCEDURE

Please refer to ANSI C63.10-2020 Section 12.4.2 Method SA-2

7.3 DEVIATION FROM STANDARD

No deviation.

7.4 TEST SETUP



7.5 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 5 Unless otherwise a special operating condition is specified in the follows during the testing.

7.6 TEST RESULTS

Note: The test data please reference to attachment "STS2604328W04_Appendix 5G WIFI".



8. AUTOMATICALLY DISCONTINUE TRANSMISSION

8.1 LIMIT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization to describe how this requirement is met.

8.2 TEST RESULT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

During no any information transmission, the EUT can automatically discontinue transmission and become standby mode for power saving. The EUT can detect the controlling signal of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission



9. ANTENNA REQUIREMENT

9.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 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.

9.2 EUT ANTENNA

The EUT antenna is External Antenna. It comply with the standard requirement.



APPENDIX - PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

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