

1.1 TX spurious emissions radiated

Description:

Measurement of the radiated spurious emissions in transmit mode. The measurement is performed at lowest, middle and highest channel.

Measurement:

Measurement parameter	
Detector:	Quasi Peak below 1 GHz (alternative Peak) Peak above 1 GHz / RMS
Sweep time:	Auto
Resolution bandwidth:	F < 1 GHz: 100 kHz F > 1 GHz: 1 MHz
Video bandwidth:	F < 1 GHz: 100 kHz F > 1 GHz: ≥ 3 MHz / 1 MHz
Span:	30 MHz to 40 GHz
Trace – mode:	Max Hold / Average with 100 counts + 20 log (1 / X) for duty cycle lower than 100 %
Test setup:	See sub clause 7.1 – A See sub clause 7.2 – B See sub clause 7.3 – A
Measurement uncertainty:	See sub clause 9

Limits:

TX Spurious Emissions Radiated		
§15.209		
Frequency (MHz)	Field Strength (dBμV/m)	Measurement distance
30 - 88	30.0	10
88 – 216	33.5	10
216 – 960	36.0	10
Above 960	54.0	3
§15.407		
Outside the restricted bands!	-27 dBm / MHz	

Results: OFDM (20 MHz bandwidth), ANT-X100P001B24553 antenna

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5180 MHz			5240 MHz			5260 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
	Peak			Peak			Peak	
	AVG			AVG			AVG	
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
			5320 MHz			5500 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
	Peak		10639	Peak	64.2	7333	Peak	58.0
	AVG			AVG	53.2		AVG	53.99
	Peak			Peak		11000	Peak	64.5
	AVG			AVG			AVG	53.6
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5600 MHz			5700 MHz			5745 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
3733	Peak	53.2	7600	Peak	55.5	7660	Peak	55.6
	AVG	44.0		AVG	51.8		AVG	53.9
11199	Peak	63.8	11400	Peak	64.4	11494	Peak	63.5
	AVG	53.0		AVG	53.6		AVG	51.5
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5785 MHz			5825 MHz					
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
7713	Peak	53.5	11650	Peak	60.6		Peak	
	AVG	49.8		AVG	49.9		AVG	
11570	Peak	63.0		Peak			Peak	
	AVG	51.3		AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

Results: OFDM (40 MHz bandwidth), ANT-X100P001B24553 antenna

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5190 MHz			5230 MHz			5270 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
	Peak			Peak		4155	Peak	46.7
	AVG			AVG			AVG	34.5
	Peak			Peak		10540	Not in restricted band	
	AVG			AVG				
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5310 MHz			5510 MHz			5590 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
10622	Peak	58.8	7347	Peak	55.1	7453	Peak	56.9
	AVG	47.5		AVG	51.9		AVG	53.8
	Peak		11018	Peak	61.3	11182	Peak	62.1
	AVG			AVG	51.0		AVG	50.7
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5670 MHz			5755 MHz			5795 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
7560	Peak	57.0	7673	Peak	55.4	7726	Peak	51.9
	AVG	53.1		AVG	52.5		AVG	47.7
11340	Peak	63.3	11509	Peak	61.2	11591	Peak	60.6
	AVG	52.3		AVG	51.0		AVG	50.1
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

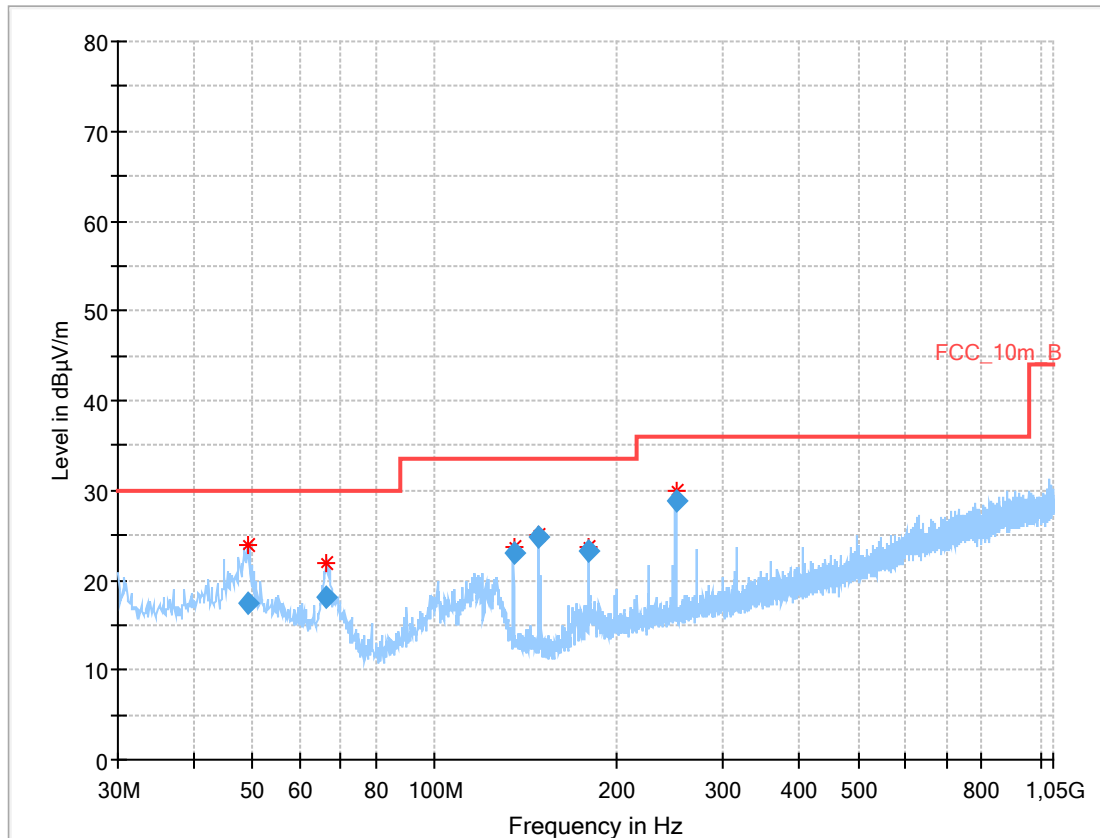
Results: OFDM (80 MHz bandwidth), ANT100P001B24553 antenna

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5210 MHz			5290 MHz			5530 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
	Peak		10579	Peak	54.2	7373	Peak	54.3
	AVG			AVG	41.0		AVG	51.6
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5610 MHz			5775 MHz					
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
7480	Peak	55.0	7700	Peak	53.8		Peak	
	AVG	51.9		AVG	50.8		AVG	
11242	Peak	59.2	11572	Peak	58.5		Peak	
	AVG	45.0		AVG	47.2		AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

Plots: OFDM / 20 MHz bandwidth, ANT X100P001B24553 antenna

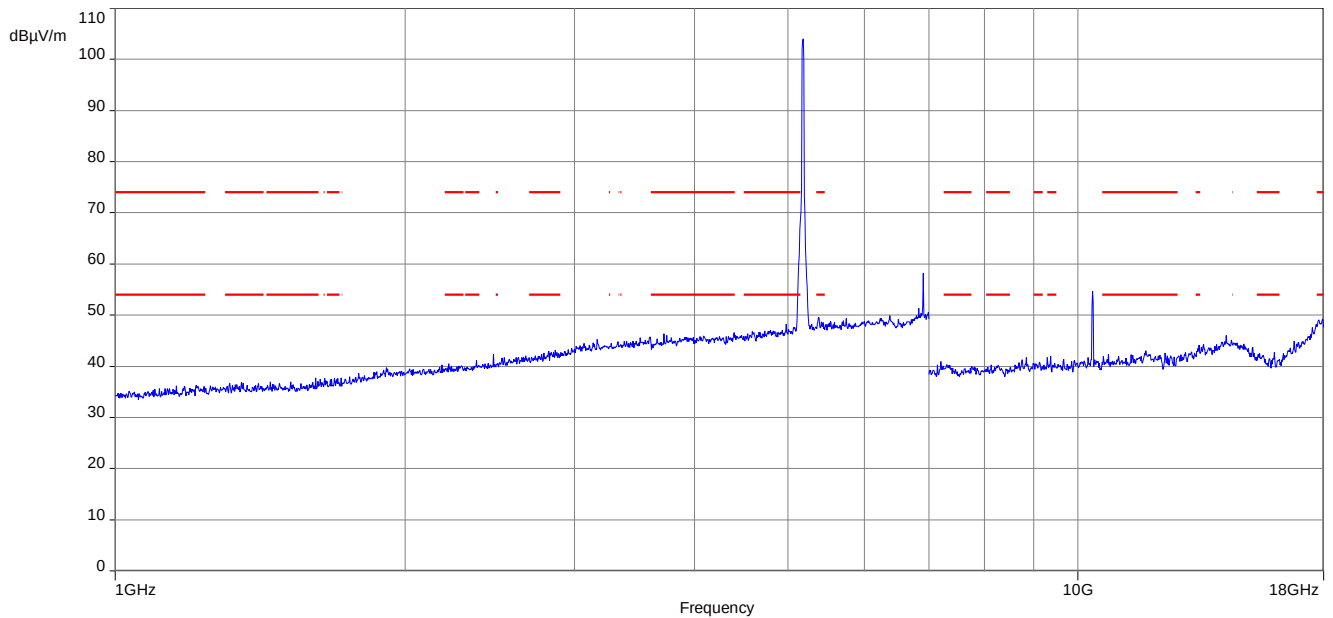
Plot 1: 30 MHz to 1 GHz, 5180 MHz, vertical & horizontal polarization



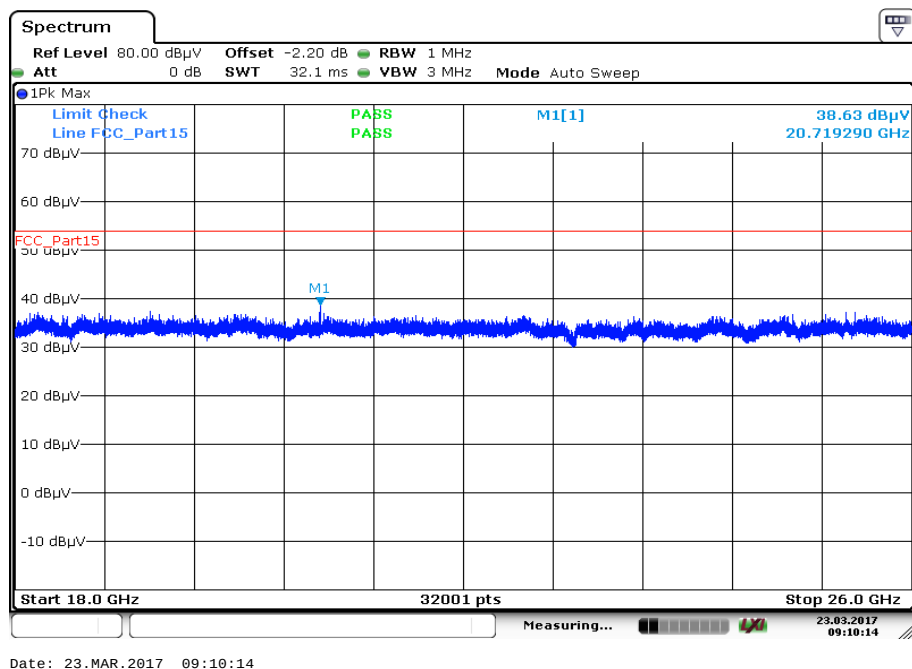
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
49.394550	17.49	30.00	12.51	1000.0	120.000	98.0	V	173.0	13.7
66.427950	18.19	30.00	11.81	1000.0	120.000	101.0	V	13.0	10.5
134.987250	23.10	33.50	10.40	1000.0	120.000	98.0	V	34.0	9.2
148.499250	24.85	33.50	8.65	1000.0	120.000	98.0	V	3.0	9.2
179.983200	23.24	33.50	10.26	1000.0	120.000	98.0	V	173.0	10.9
250.013250	28.74	36.00	7.26	1000.0	120.000	101.0	V	58.0	13.4

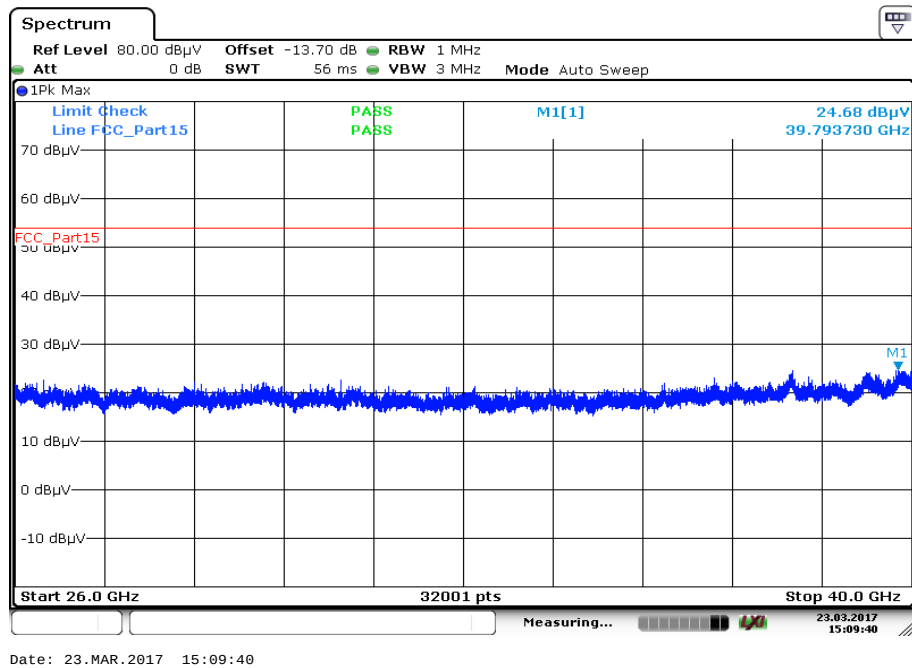
Plot 2: 1 GHz to 18 GHz, 5180 MHz, vertical & horizontal polarization



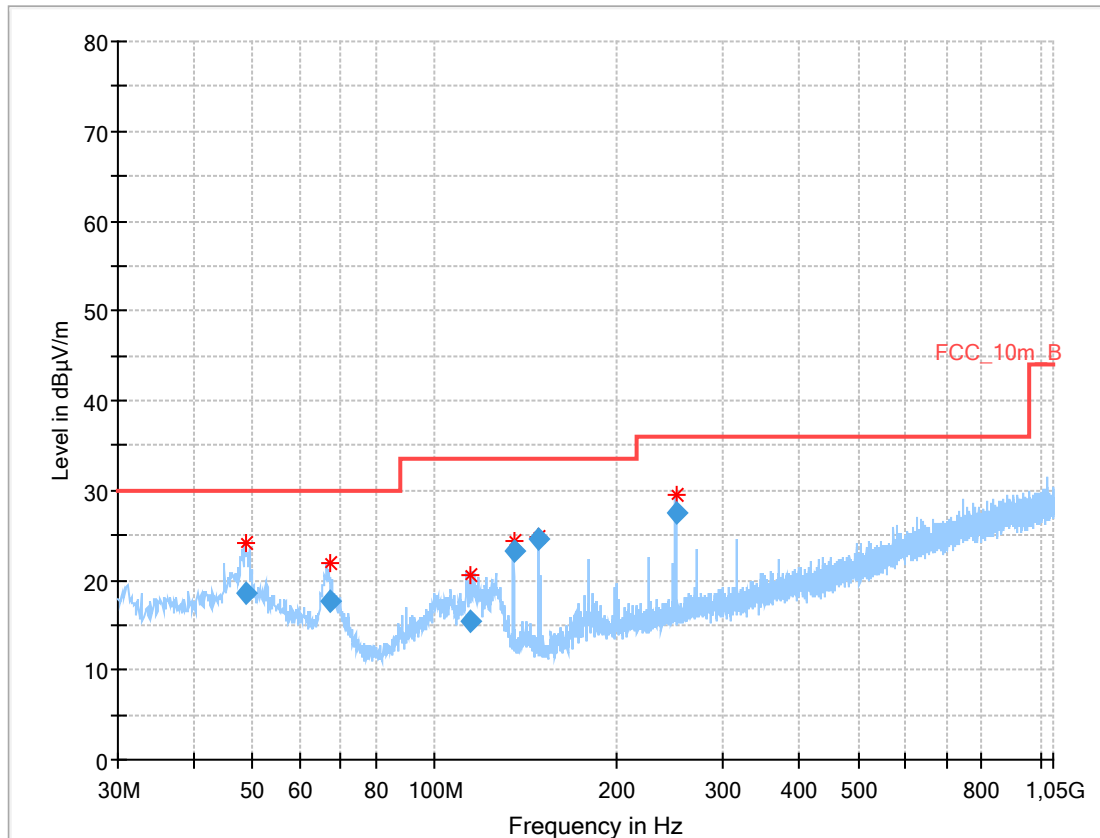
Plot 3: 18 GHz to 26 GHz, 5180 MHz, vertical & horizontal polarization



Plot 4: 26 GHz to 40 GHz, 5180 MHz, vertical & horizontal polarization



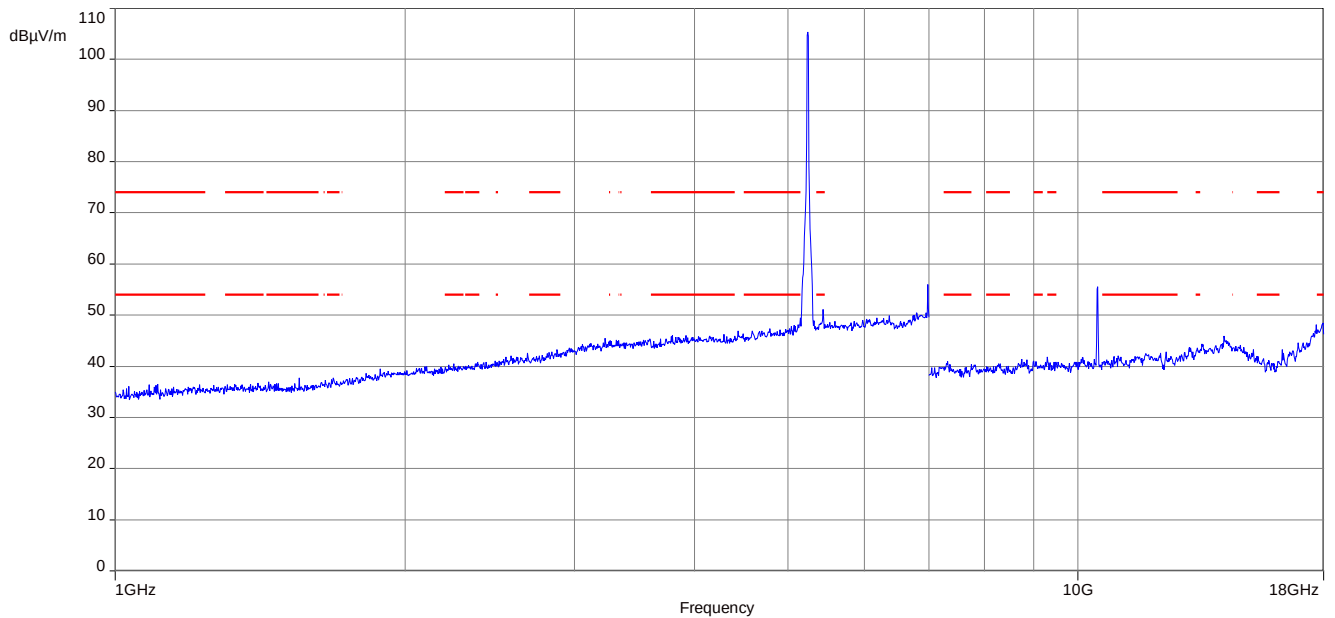
Plot 5: 30 MHz to 1 GHz, 5240 MHz, vertical & horizontal polarization



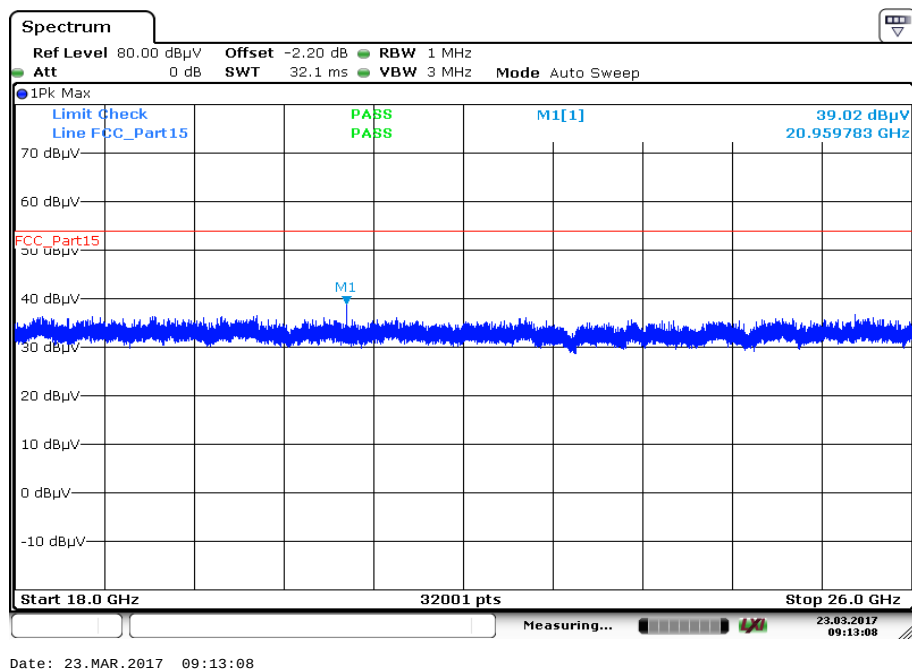
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
48.671400	18.57	30.00	11.43	1000.0	120.000	98.0	V	12.0	13.7
67.063050	17.69	30.00	12.31	1000.0	120.000	185.0	V	0.0	10.3
114.859500	15.41	33.50	18.09	1000.0	120.000	101.0	V	32.0	10.7
134.995500	23.19	33.50	10.31	1000.0	120.000	98.0	V	46.0	9.2
148.509450	24.66	33.50	8.84	1000.0	120.000	98.0	V	6.0	9.2
250.026150	27.40	36.00	8.60	1000.0	120.000	178.0	V	67.0	13.4

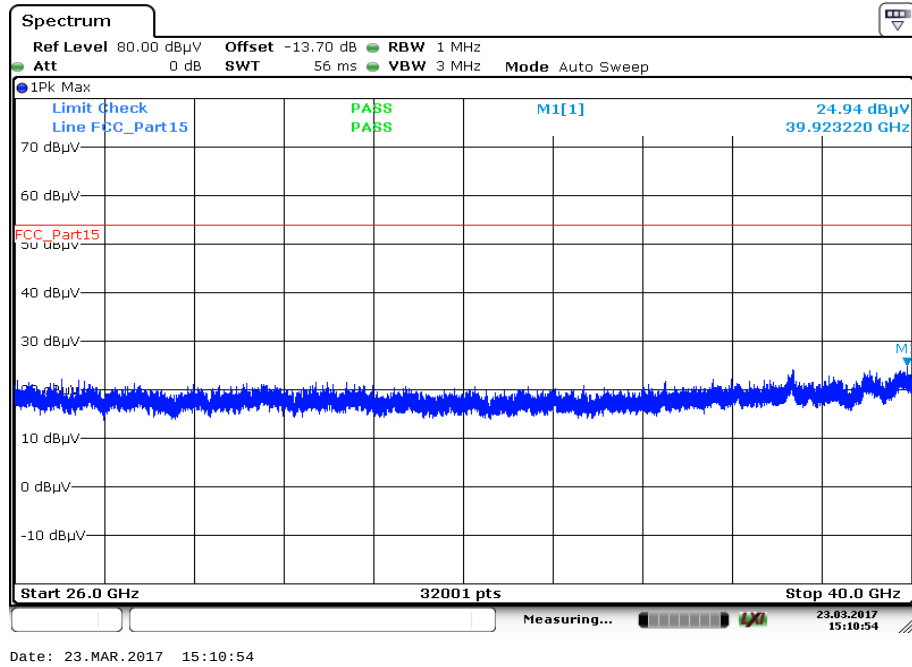
Plot 6: 1 GHz to 18 GHz, 5240 MHz, vertical & horizontal polarization



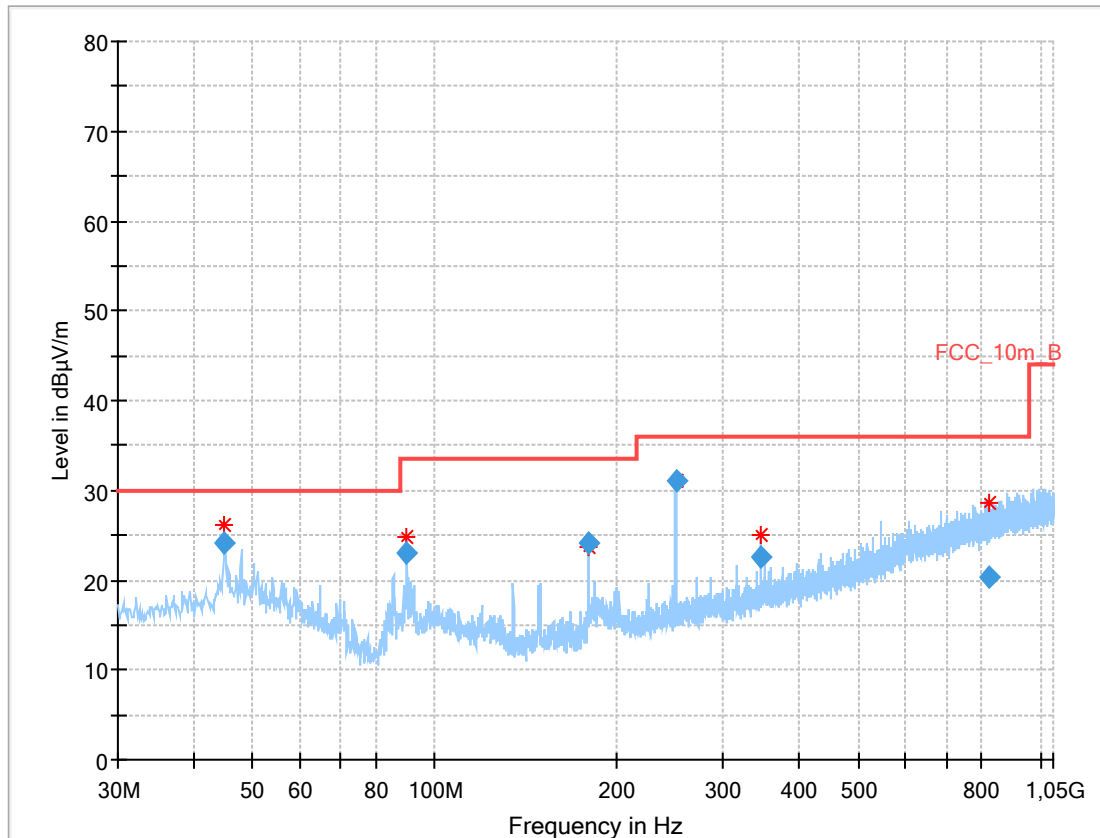
Plot 7: 18 GHz to 26 GHz, 5240 MHz, vertical & horizontal polarization



Plot 8: 26 GHz to 40 GHz, 5240 MHz, vertical & horizontal polarization



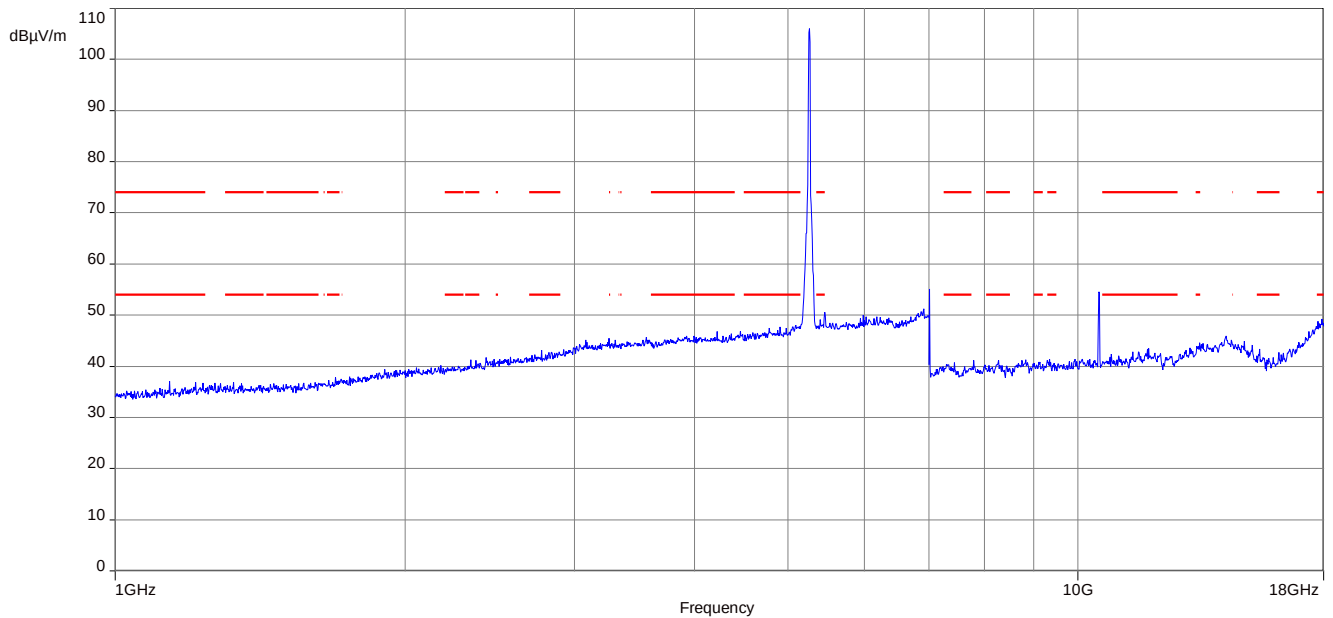
Plot 9: 30 MHz to 1 GHz, 5260 MHz, vertical & horizontal polarization



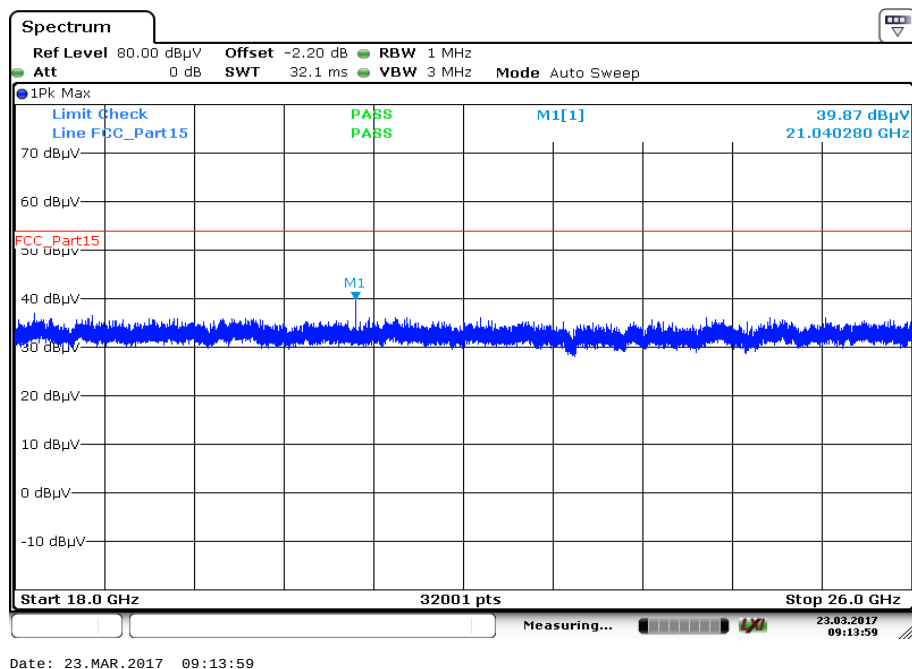
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.977650	24.13	30.00	5.87	1000.0	120.000	98.0	V	10.0	13.6
90.013650	22.92	33.50	10.58	1000.0	120.000	101.0	V	262.0	9.4
179.982600	24.05	33.50	9.45	1000.0	120.000	98.0	V	10.0	10.9
250.003950	31.05	36.00	4.95	1000.0	120.000	98.0	V	170.0	13.4
346.487100	22.68	36.00	13.32	1000.0	120.000	98.0	V	262.0	15.9
822.072300	20.36	36.00	15.64	1000.0	120.000	101.0	H	10.0	23.1

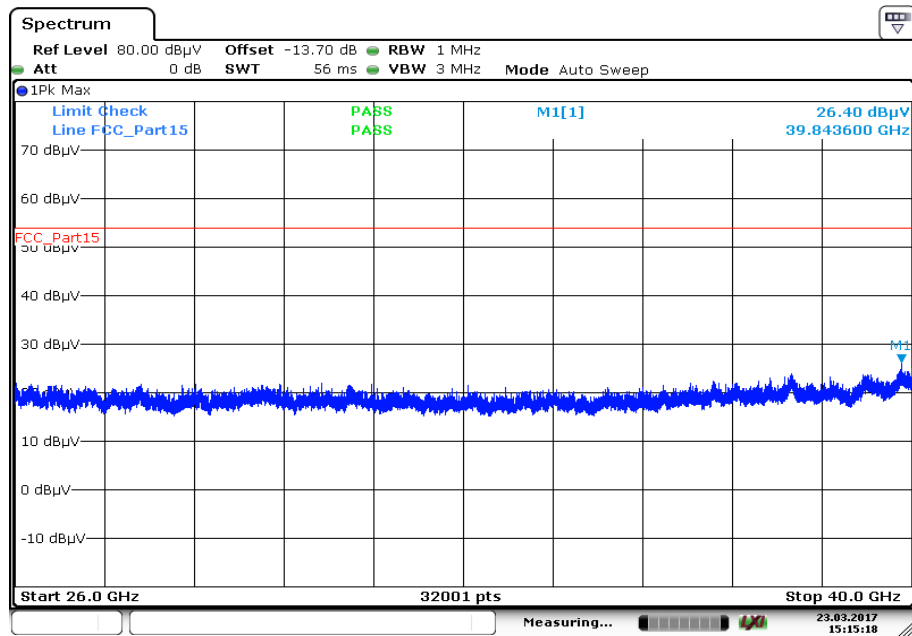
Plot 10: 1 GHz to 18 GHz, 5260 MHz, vertical & horizontal polarization



Plot 11: 18 GHz to 26 GHz, 5260 MHz, vertical & horizontal polarization

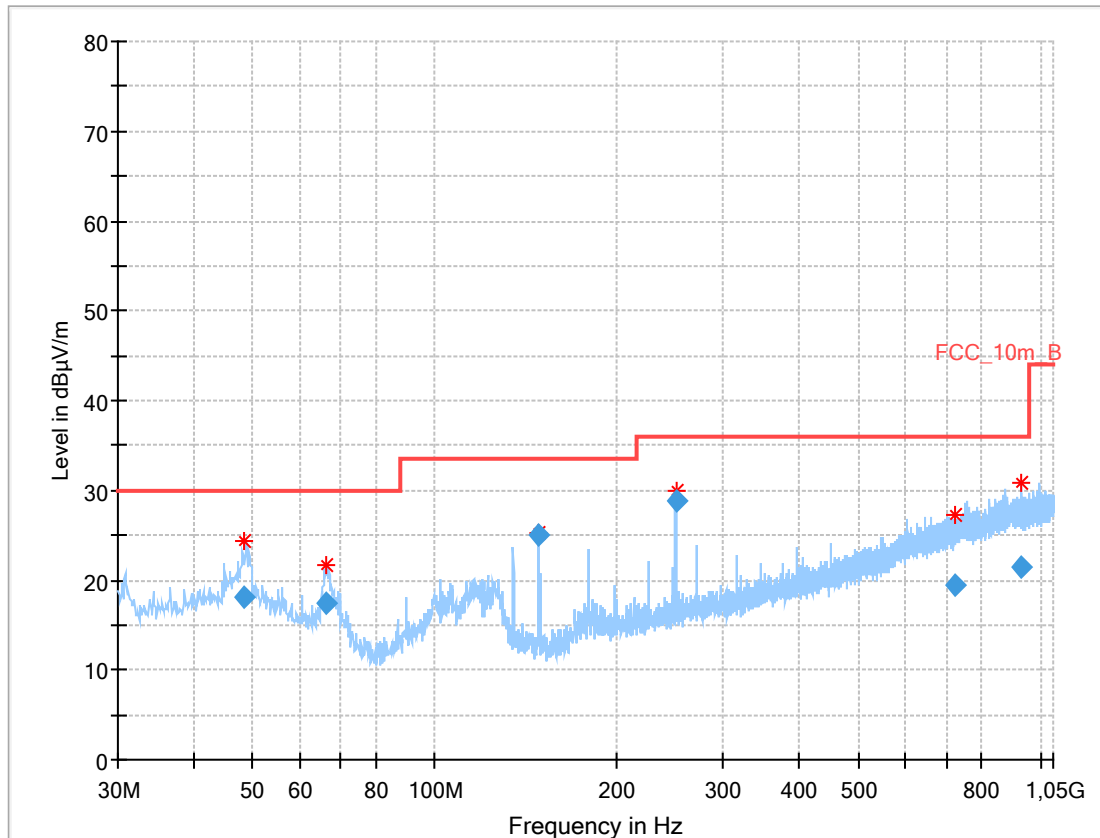


Plot 12: 26 GHz to 40 GHz, 5260 MHz, vertical & horizontal polarization



Date: 23.MAR.2017 15:15:18

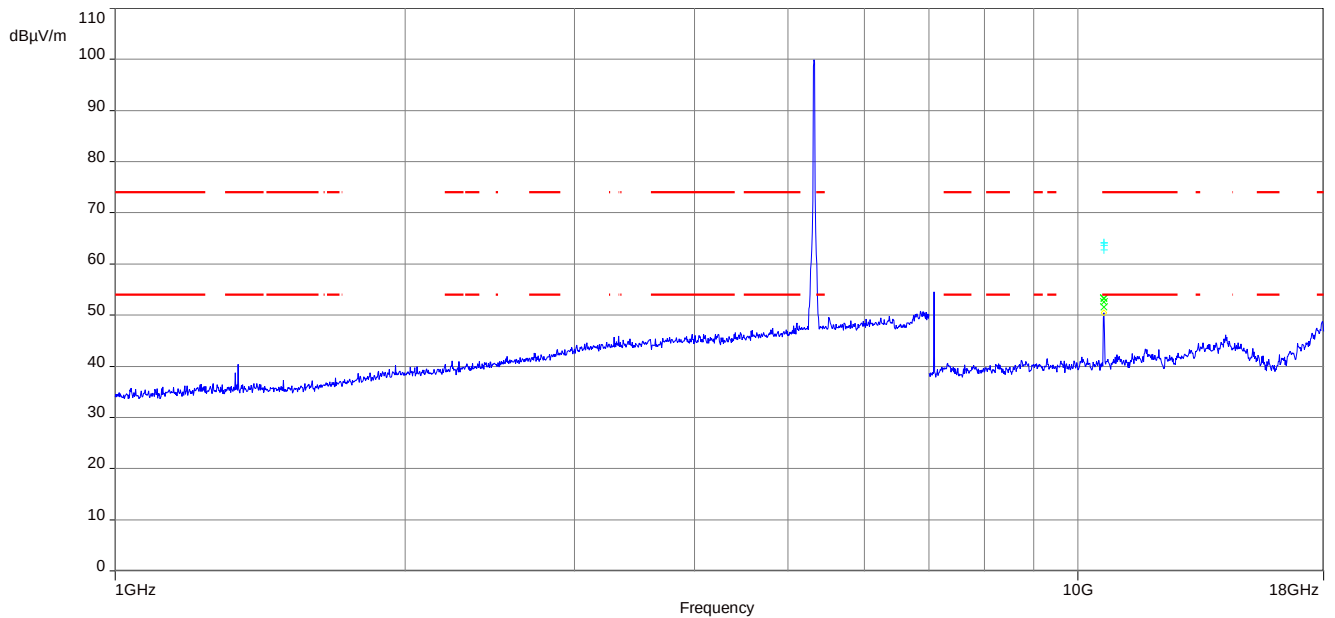
Plot 13: 30 MHz to 1 GHz, 5320 MHz, vertical & horizontal polarization



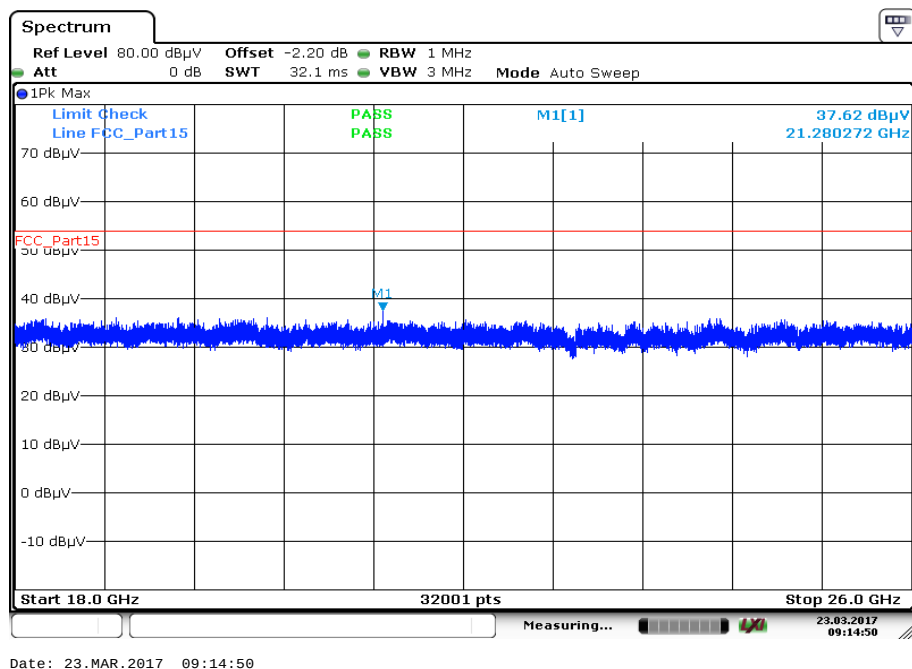
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
48.502800	18.20	30.00	11.80	1000.0	120.000	101.0	V	185.0	13.7
66.056850	17.41	30.00	12.59	1000.0	120.000	178.0	V	34.0	10.5
148.500600	24.99	33.50	8.51	1000.0	120.000	98.0	V	0.0	9.2
250.008750	28.91	36.00	7.09	1000.0	120.000	101.0	V	76.0	13.4
722.741250	19.45	36.00	16.55	1000.0	120.000	185.0	V	210.0	22.1
931.026000	21.35	36.00	14.65	1000.0	120.000	185.0	H	176.0	24.3

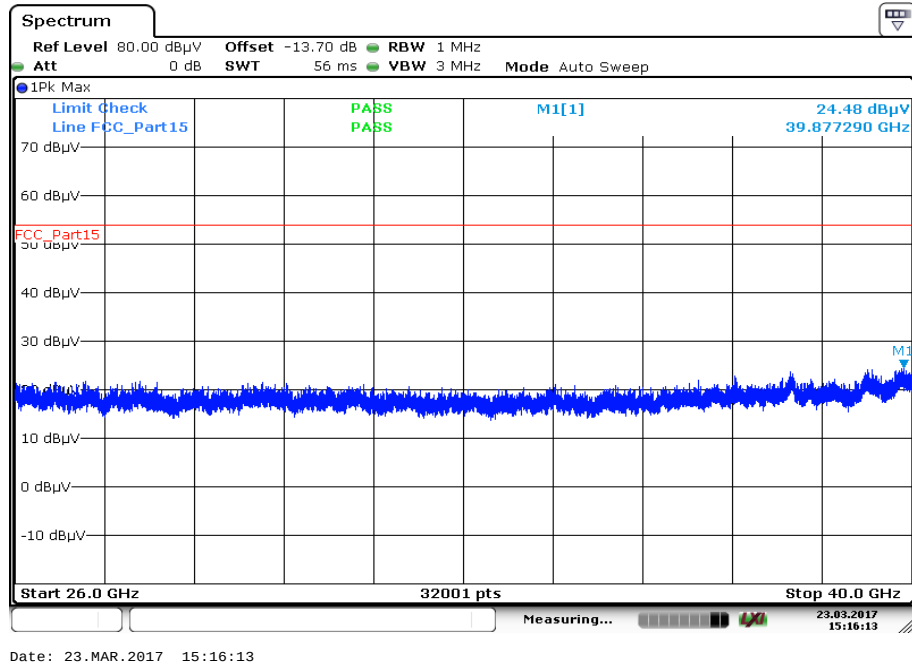
Plot 14: 1 GHz to 18 GHz, 5320 MHz, vertical & horizontal polarization



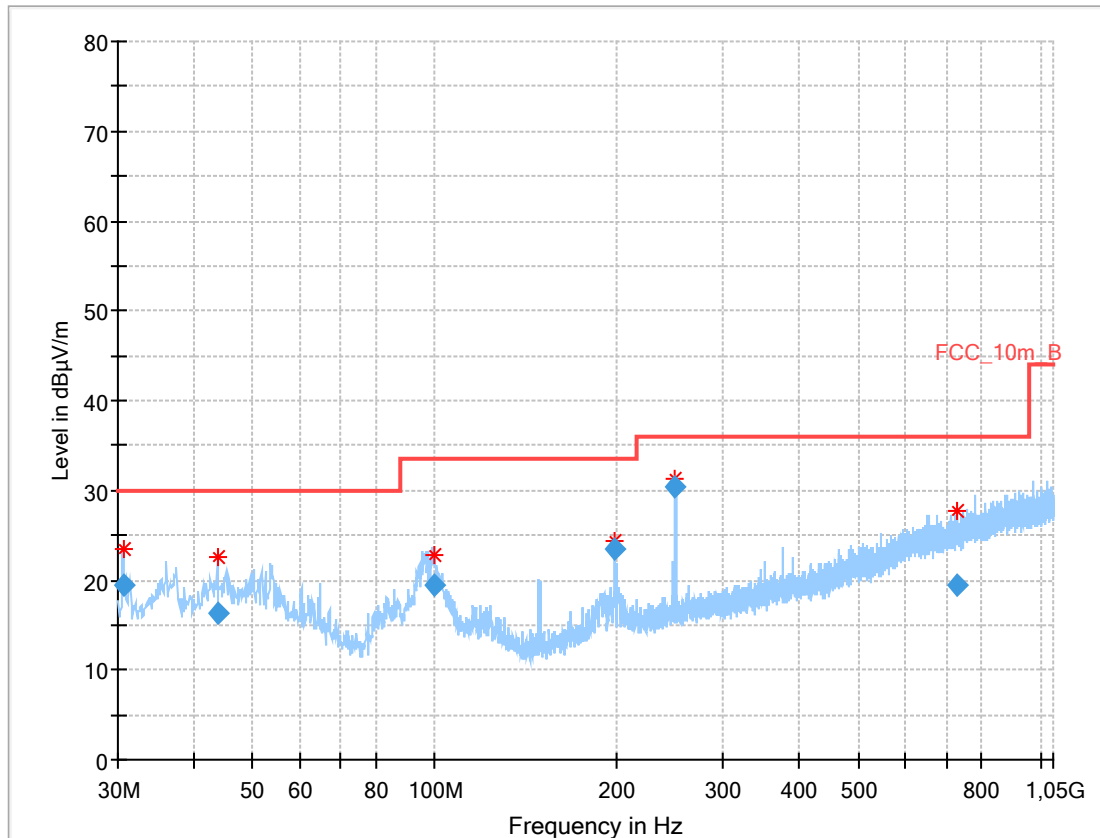
Plot 15: 18 GHz to 26 GHz, 5320 MHz, vertical & horizontal polarization



Plot 16: 26 GHz to 40 GHz, 5320 MHz, vertical & horizontal polarization



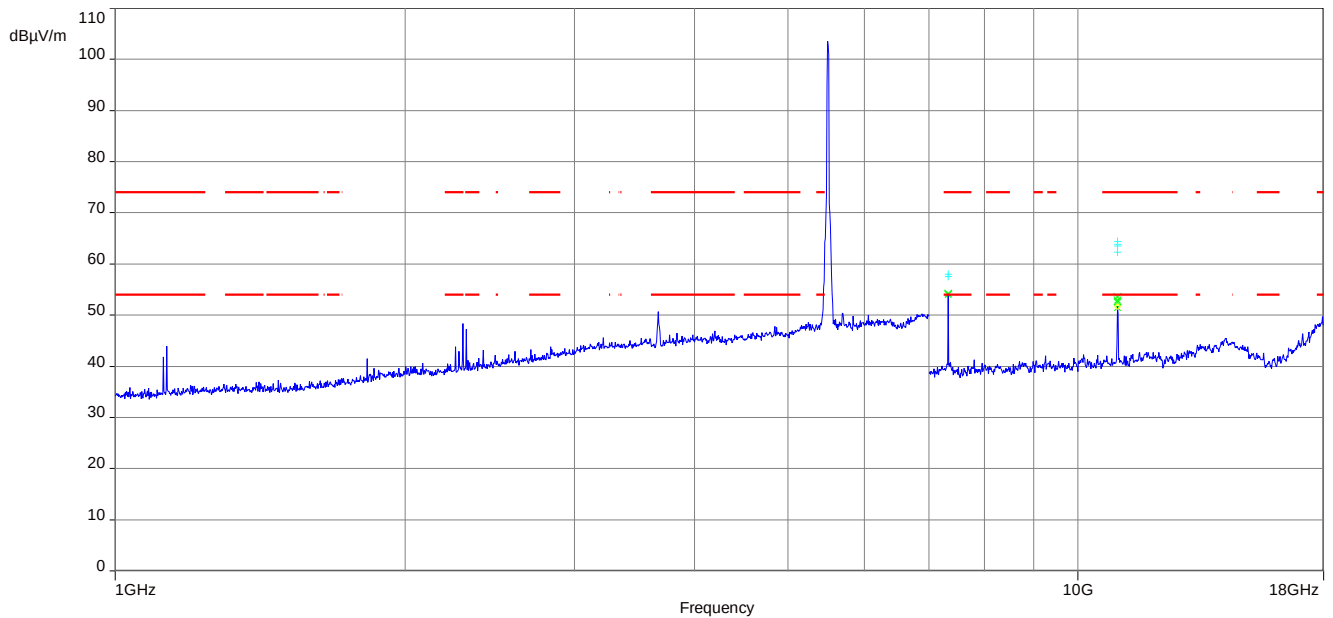
Plot 17: 30 MHz to 1 GHz, 5500 MHz, vertical & horizontal polarization



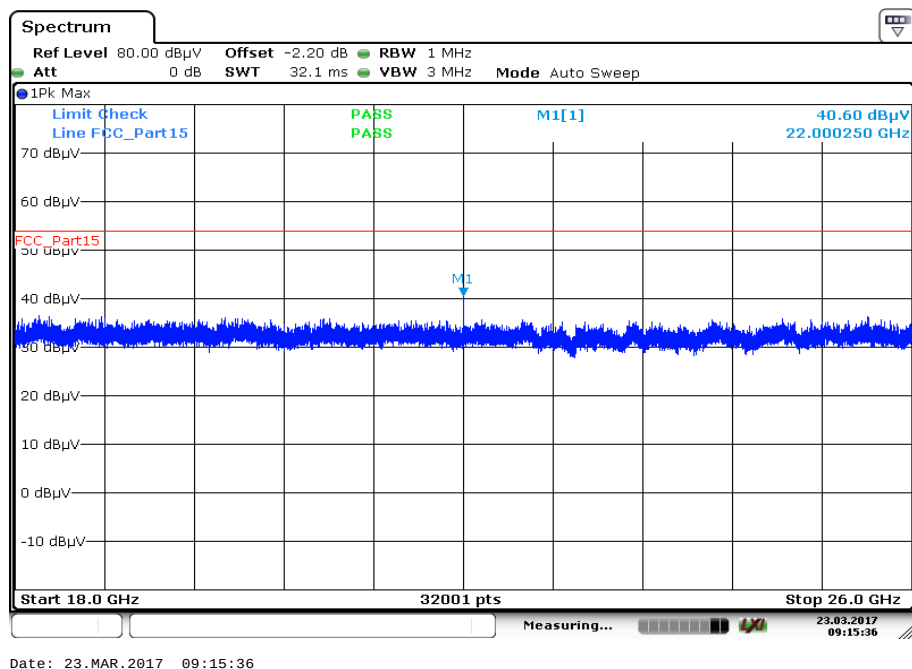
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.634365	19.50	30.00	10.50	1000.0	120.000	101.0	V	316.0	11.9
43.792350	16.34	30.00	13.66	1000.0	120.000	100.0	V	36.0	13.5
99.723150	19.42	33.50	14.08	1000.0	120.000	101.0	V	343.0	12.0
198.003150	23.45	33.50	10.05	1000.0	120.000	98.0	V	63.0	11.8
249.998850	30.32	36.00	5.68	1000.0	120.000	98.0	V	3.0	13.4
728.674350	19.52	36.00	16.48	1000.0	120.000	185.0	H	337.0	22.2

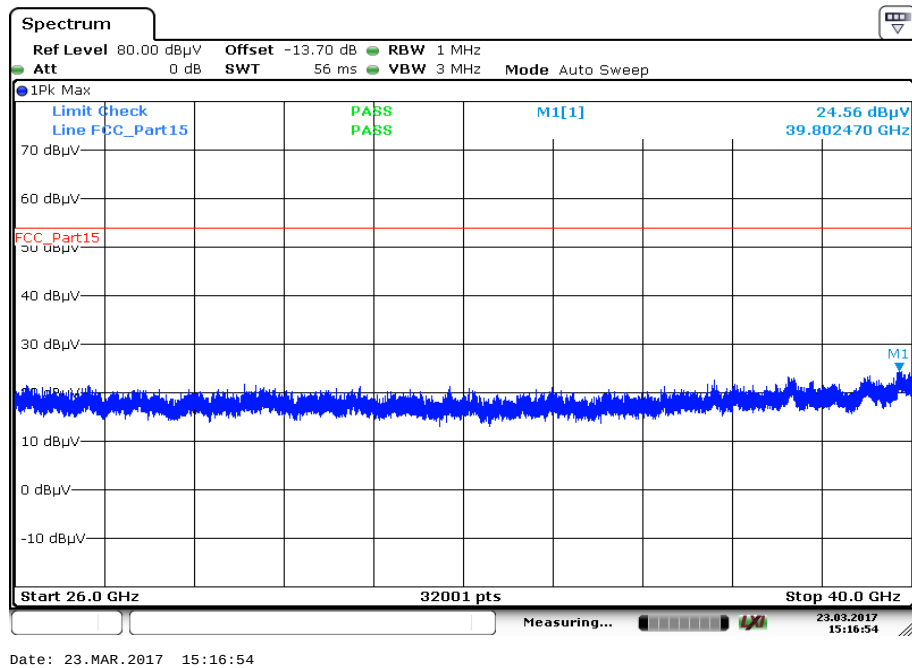
Plot 18: 1 GHz to 18 GHz, 5500 MHz, vertical & horizontal polarization



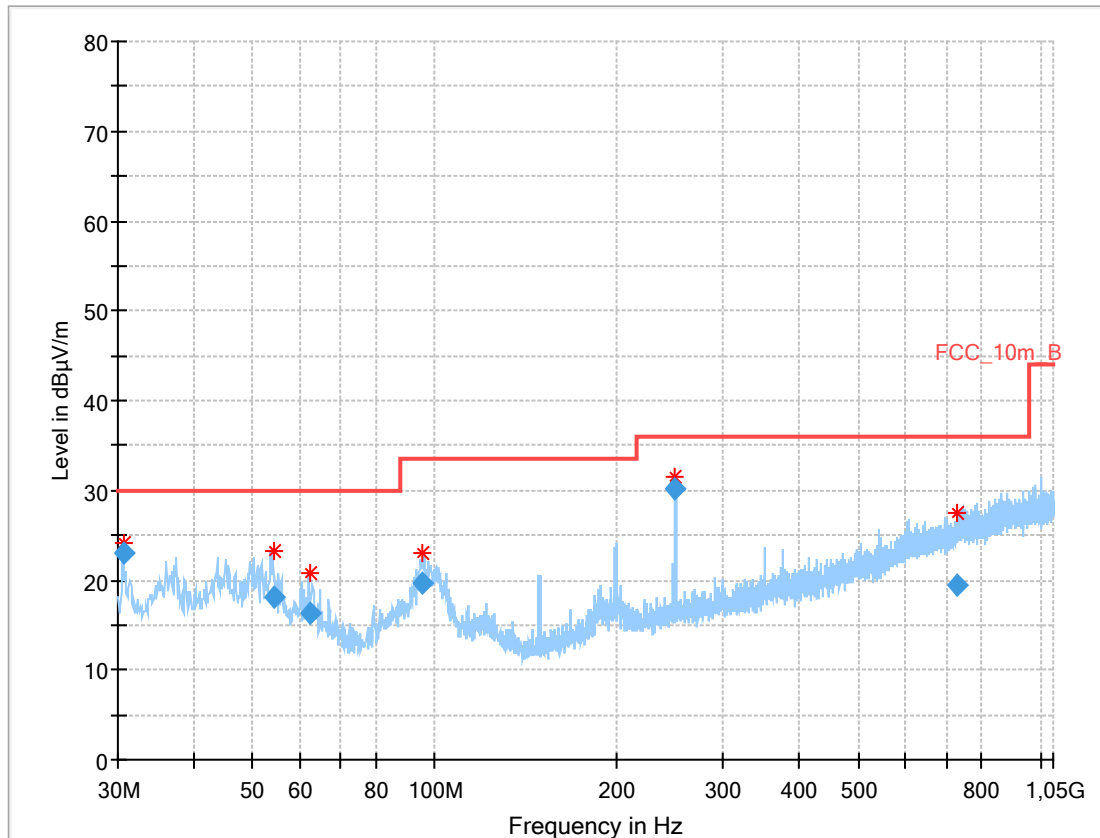
Plot 19: 18 GHz to 26 GHz, 5500 MHz, vertical & horizontal polarization



Plot 20: 26 GHz to 40 GHz, 5500 MHz, vertical & horizontal polarization



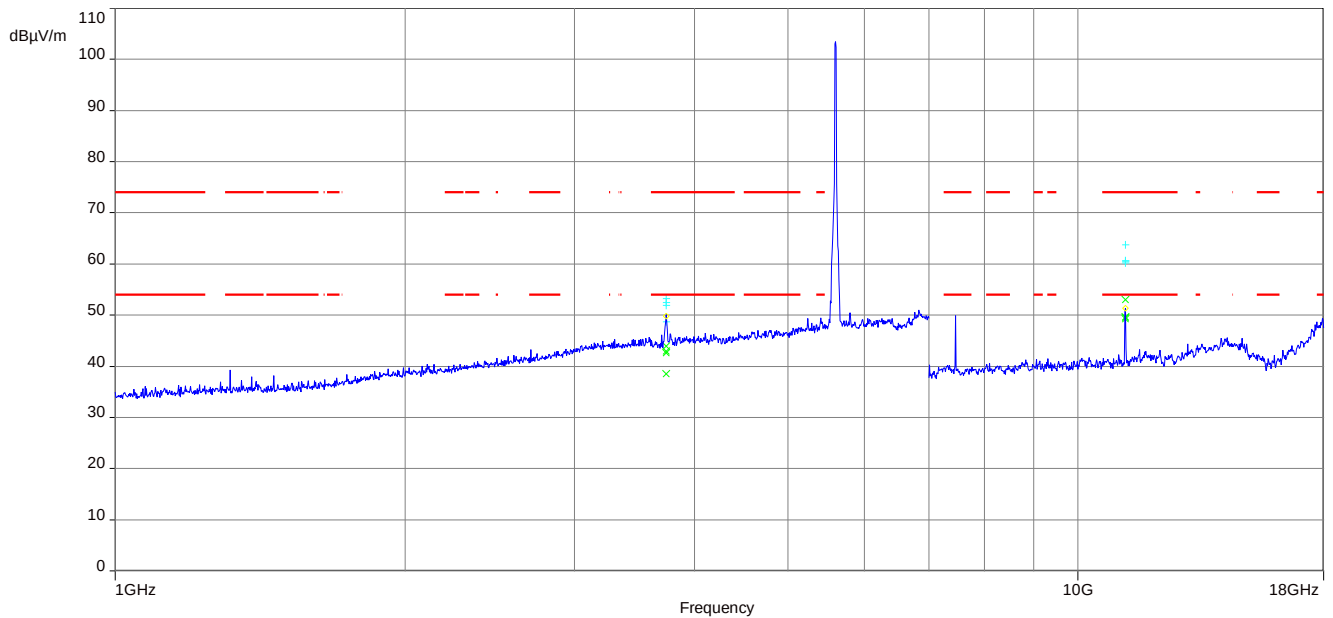
Plot 21: 30 MHz to 1 GHz, 5600 MHz, vertical & horizontal polarization



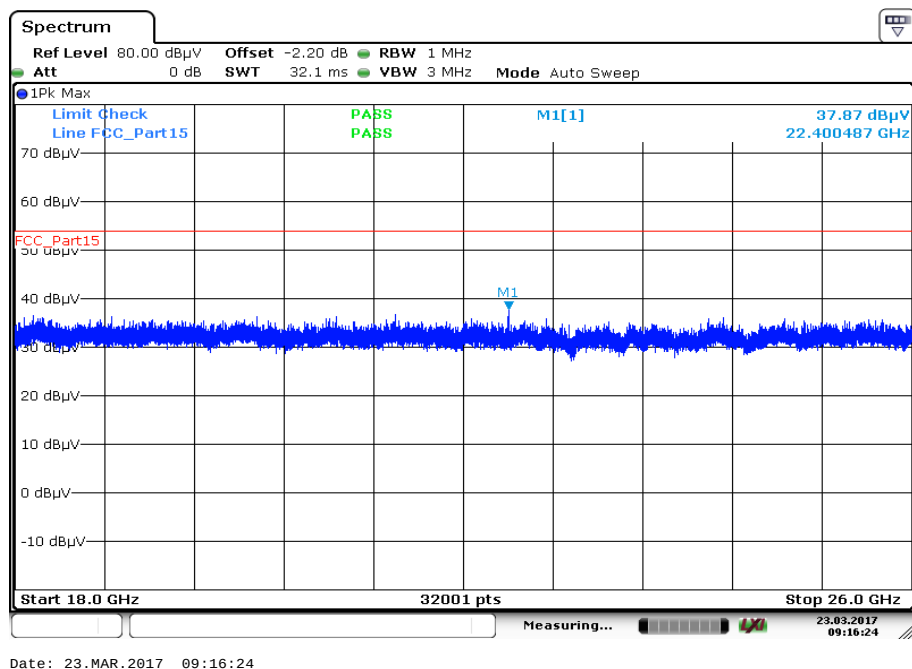
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.592950	23.12	30.00	6.88	1000.0	120.000	101.0	V	152.0	11.9
54.179250	18.09	30.00	11.91	1000.0	120.000	101.0	V	38.0	13.2
62.227500	16.30	30.00	13.70	1000.0	120.000	185.0	V	44.0	11.4
95.633100	19.66	33.50	13.84	1000.0	120.000	98.0	V	345.0	10.9
249.991200	30.21	36.00	5.79	1000.0	120.000	98.0	V	38.0	13.4
727.809600	19.46	36.00	16.54	1000.0	120.000	98.0	V	263.0	22.2

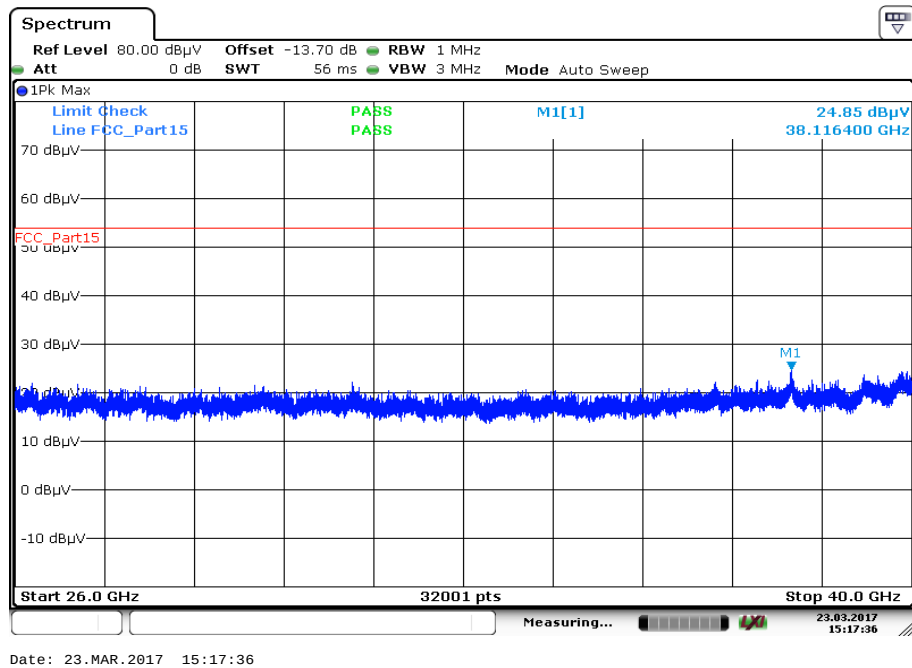
Plot 22: 1 GHz to 18 GHz, 5600 MHz, vertical & horizontal polarization



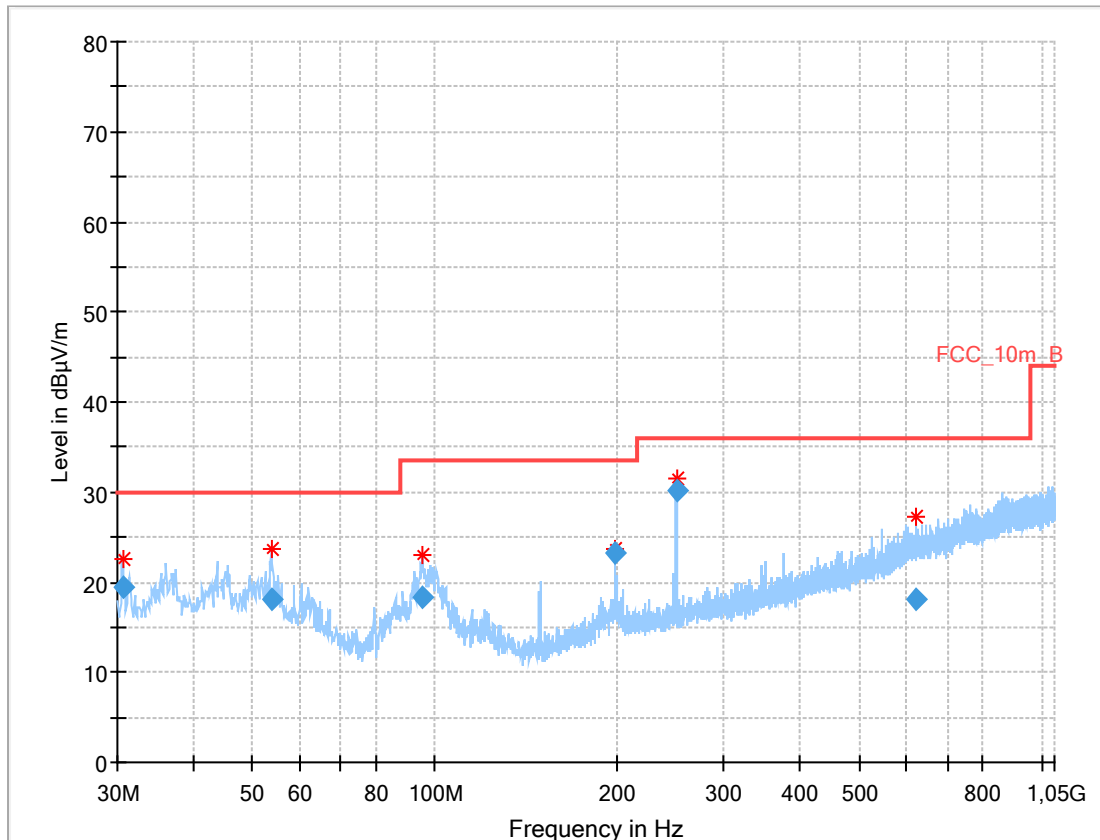
Plot 23: 18 GHz to 26 GHz, 5600 MHz, vertical & horizontal polarization



Plot 24: 26 GHz to 40 GHz, 5600 MHz, vertical & horizontal polarization



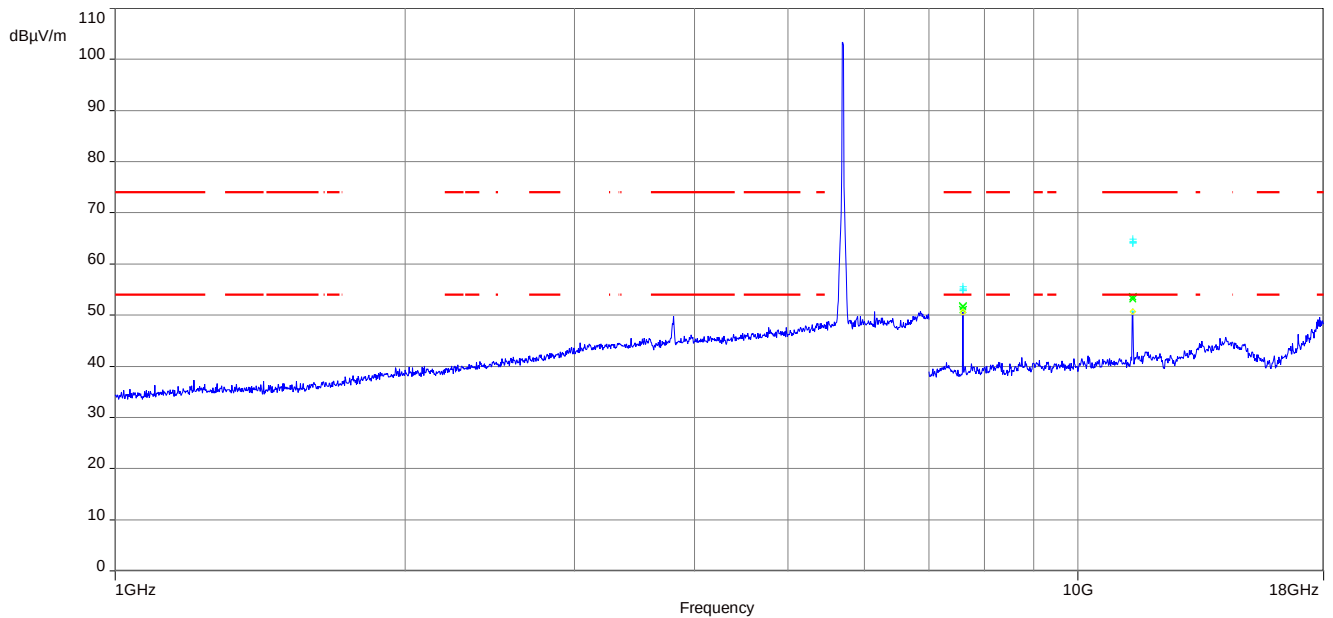
Plot 25: 30 MHz to 1 GHz, 5700 MHz, vertical & horizontal polarization



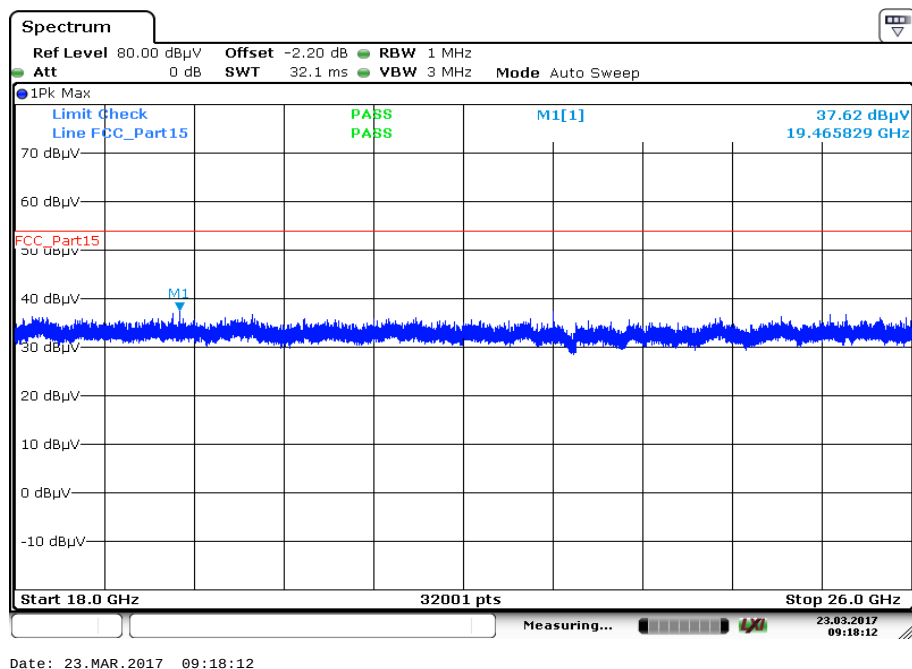
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.649905	19.39	30.00	10.61	1000.0	120.000	100.0	V	115.0	11.9
53.807850	18.09	30.00	11.91	1000.0	120.000	101.0	V	115.0	13.2
95.759850	18.33	33.50	15.17	1000.0	120.000	100.0	V	353.0	11.0
197.988150	23.13	33.50	10.37	1000.0	120.000	98.0	V	67.0	11.8
250.004850	30.23	36.00	5.77	1000.0	120.000	101.0	V	6.0	13.4
620.456850	18.12	36.00	17.88	1000.0	120.000	98.0	H	115.0	20.9

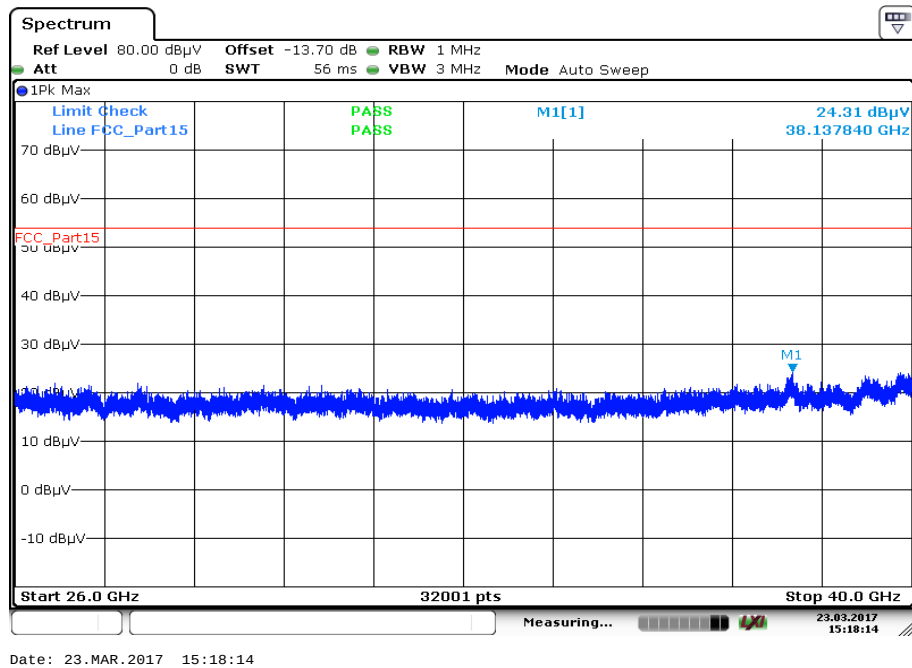
Plot 26: 1 GHz to 18 GHz, 5700 MHz, vertical & horizontal polarization



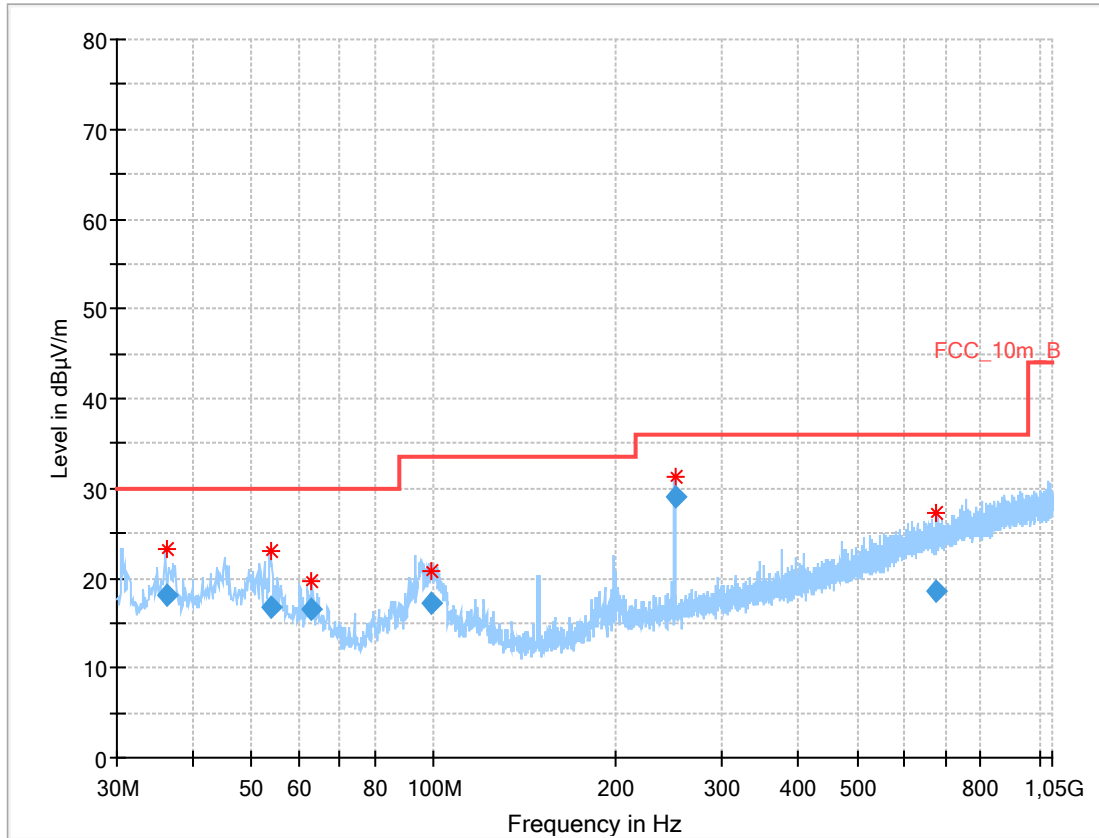
Plot 27: 18 GHz to 26 GHz, 5700 MHz, vertical & horizontal polarization



Plot 28: 26 GHz to 40 GHz, 5700 MHz, vertical & horizontal polarization



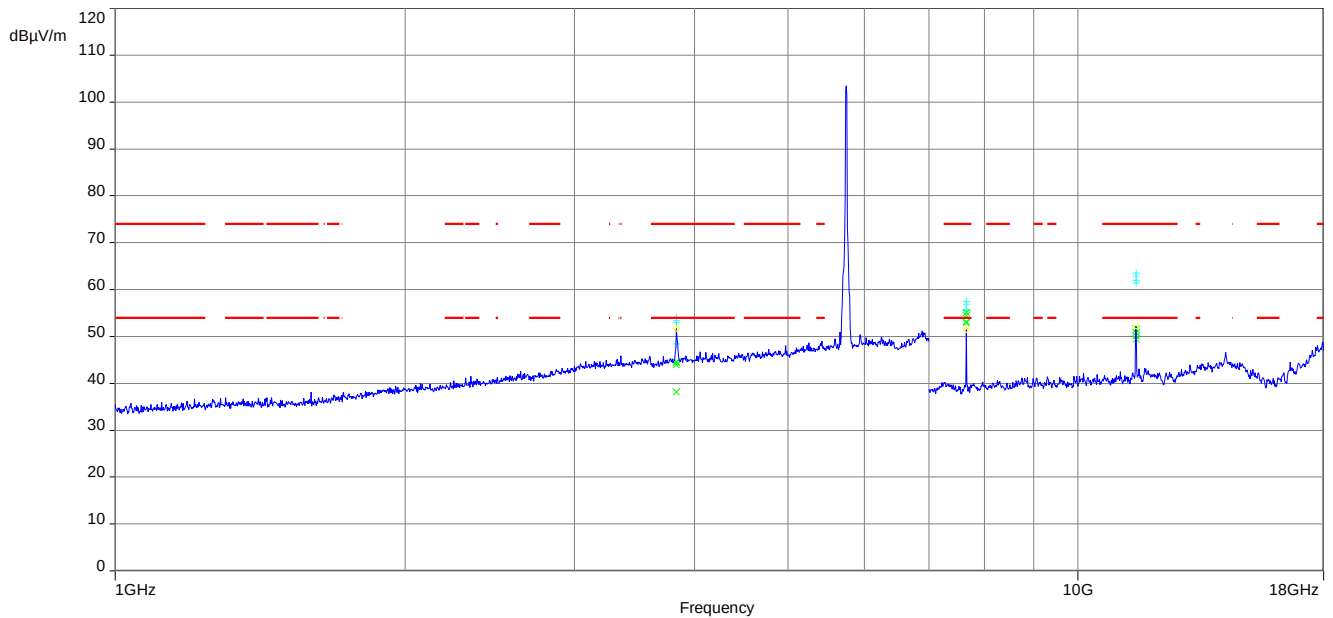
Plot 29: 30 MHz to 1 GHz, 5745 MHz, vertical & horizontal polarization



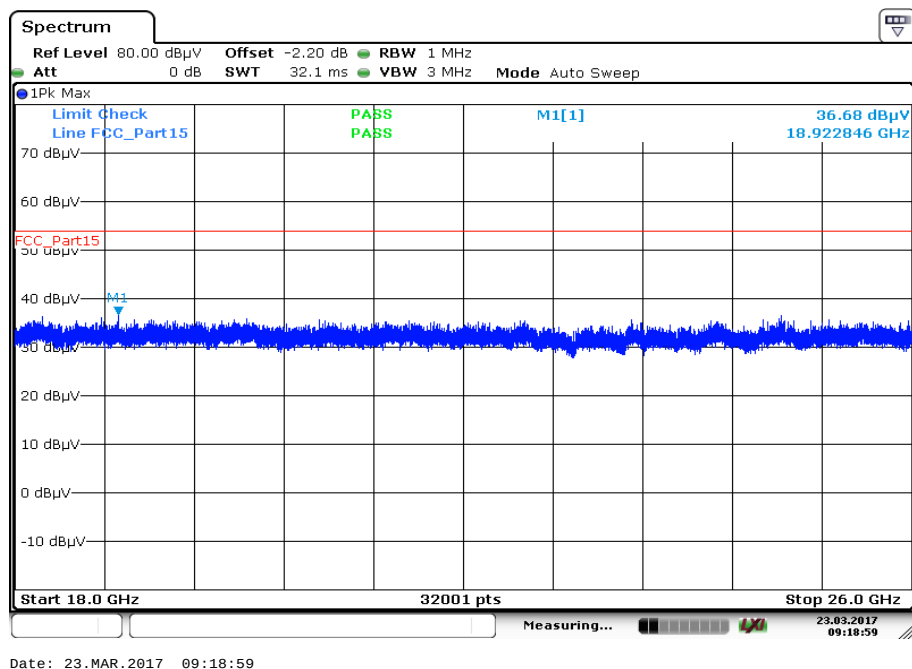
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.162750	18.09	30.00	11.91	1000.0	120.000	101.0	V	339.0	12.8
53.855700	16.77	30.00	13.23	1000.0	120.000	101.0	V	144.0	13.2
62.793450	16.54	30.00	13.46	1000.0	120.000	185.0	V	90.0	11.2
99.289500	17.24	33.50	16.26	1000.0	120.000	98.0	V	117.0	11.9
250.000800	29.03	36.00	6.97	1000.0	120.000	100.0	V	229.0	13.4
675.731850	18.57	36.00	17.43	1000.0	120.000	178.0	H	229.0	21.3

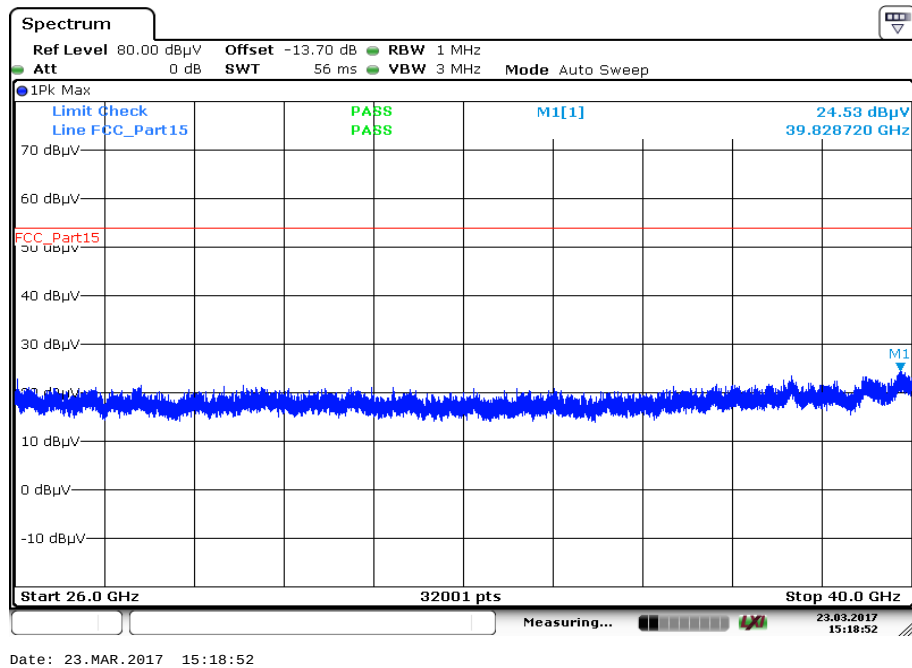
Plot 30: 1 GHz to 18 GHz, 5745 MHz, vertical & horizontal polarization



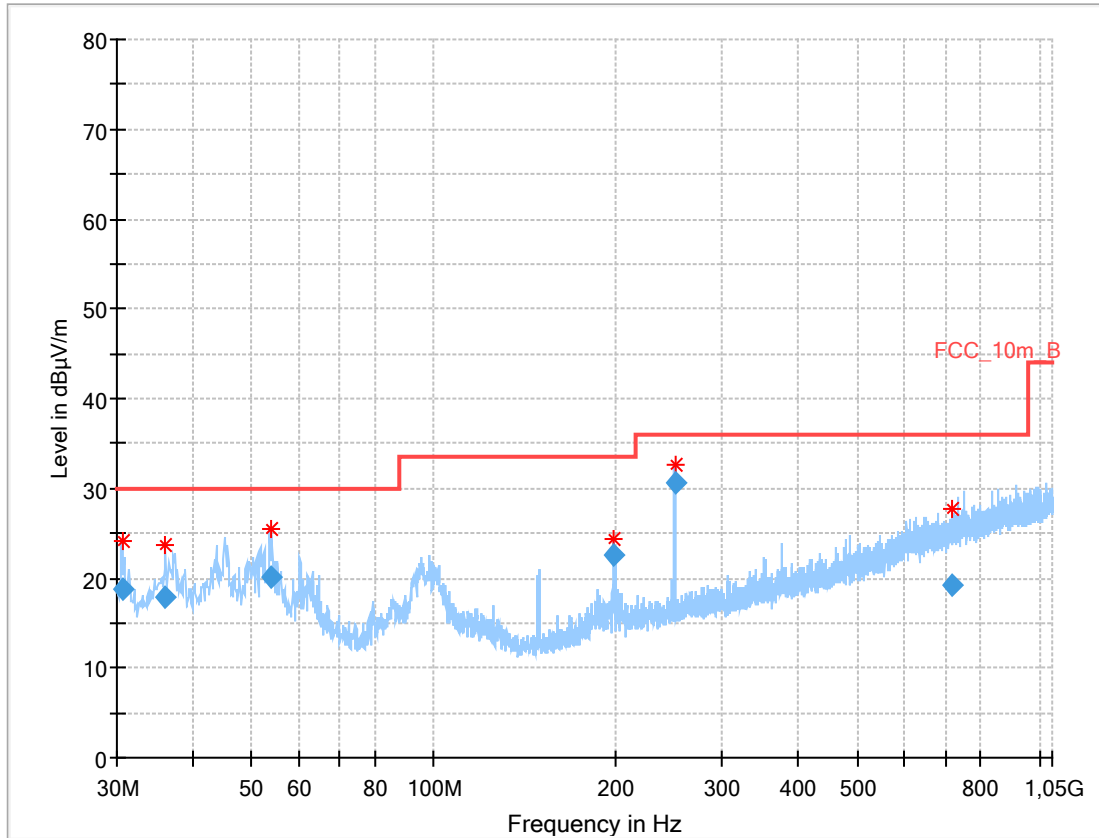
Plot 31: 18 GHz to 26 GHz, 5745 MHz, vertical & horizontal polarization



Plot 32: 26 GHz to 40 GHz, 5745 MHz, vertical & horizontal polarization



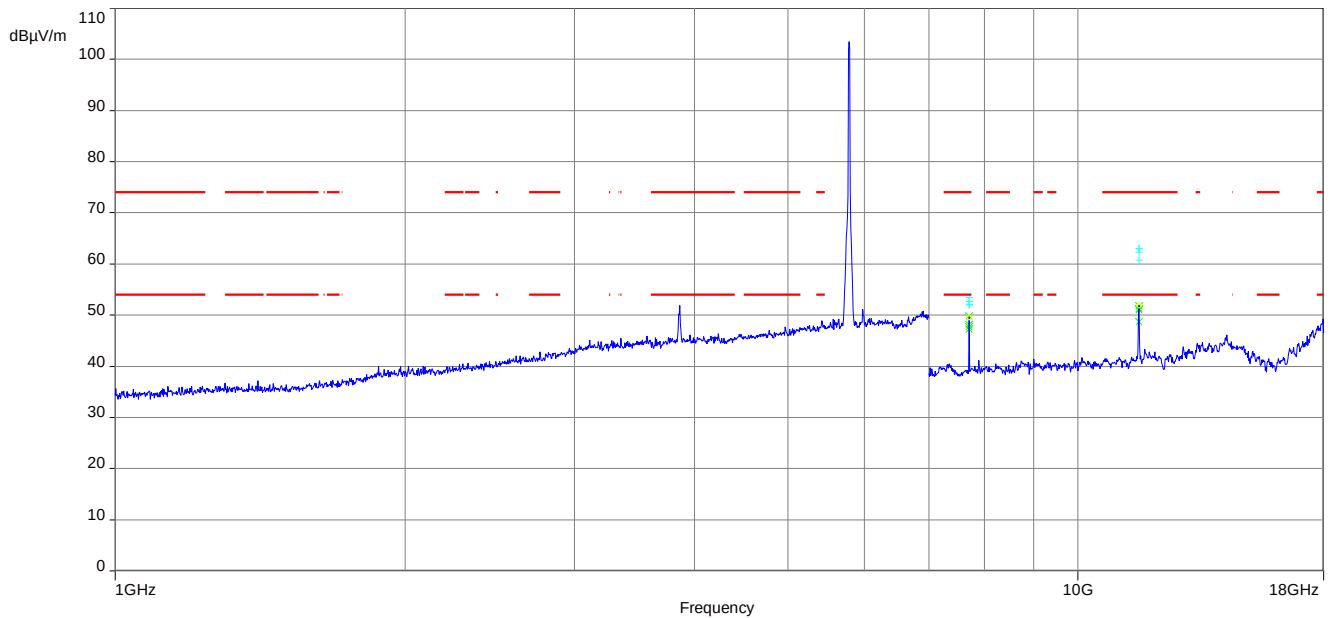
Plot 33: 30 MHz to 1 GHz, 5785 MHz, vertical & horizontal polarization



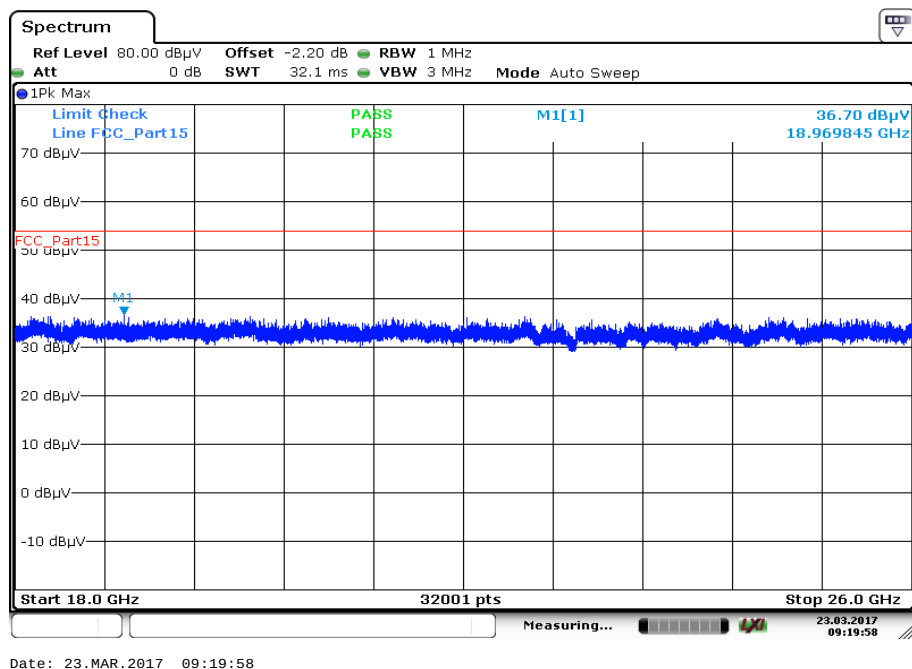
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.595792	18.88	30.00	11.12	1000.0	120.000	185.0	V	133.0	11.9
36.128400	17.77	30.00	12.23	1000.0	120.000	101.0	V	140.0	12.8
53.841000	20.15	30.00	9.85	1000.0	120.000	185.0	V	80.0	13.2
198.014400	22.53	33.50	10.97	1000.0	120.000	98.0	V	73.0	11.8
250.003950	30.63	36.00	5.37	1000.0	120.000	101.0	V	237.0	13.4
719.896500	19.30	36.00	16.70	1000.0	120.000	179.0	H	55.0	22.0

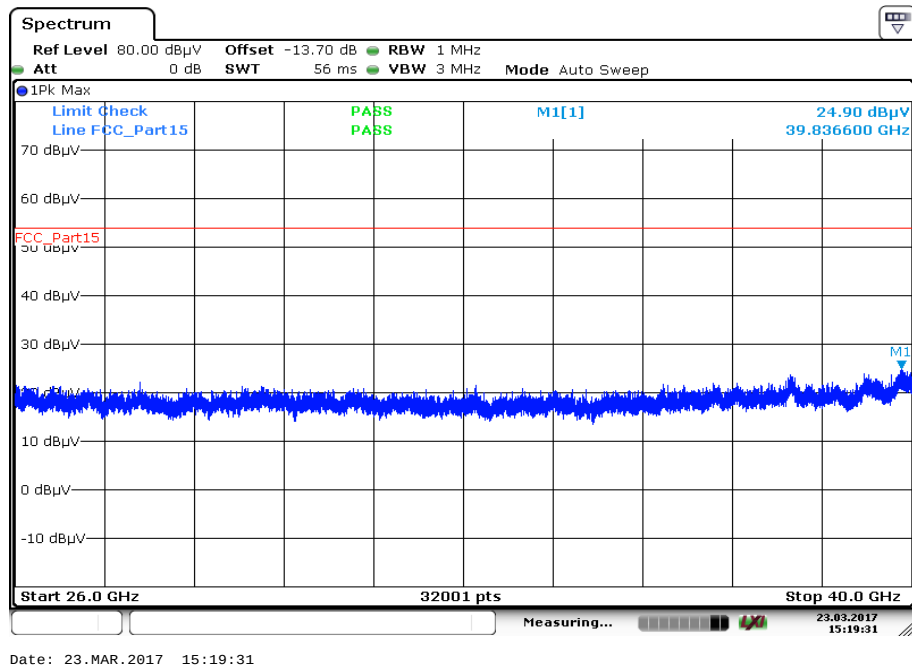
Plot 34: 1 GHz to 18 GHz, 5785 MHz, vertical & horizontal polarization



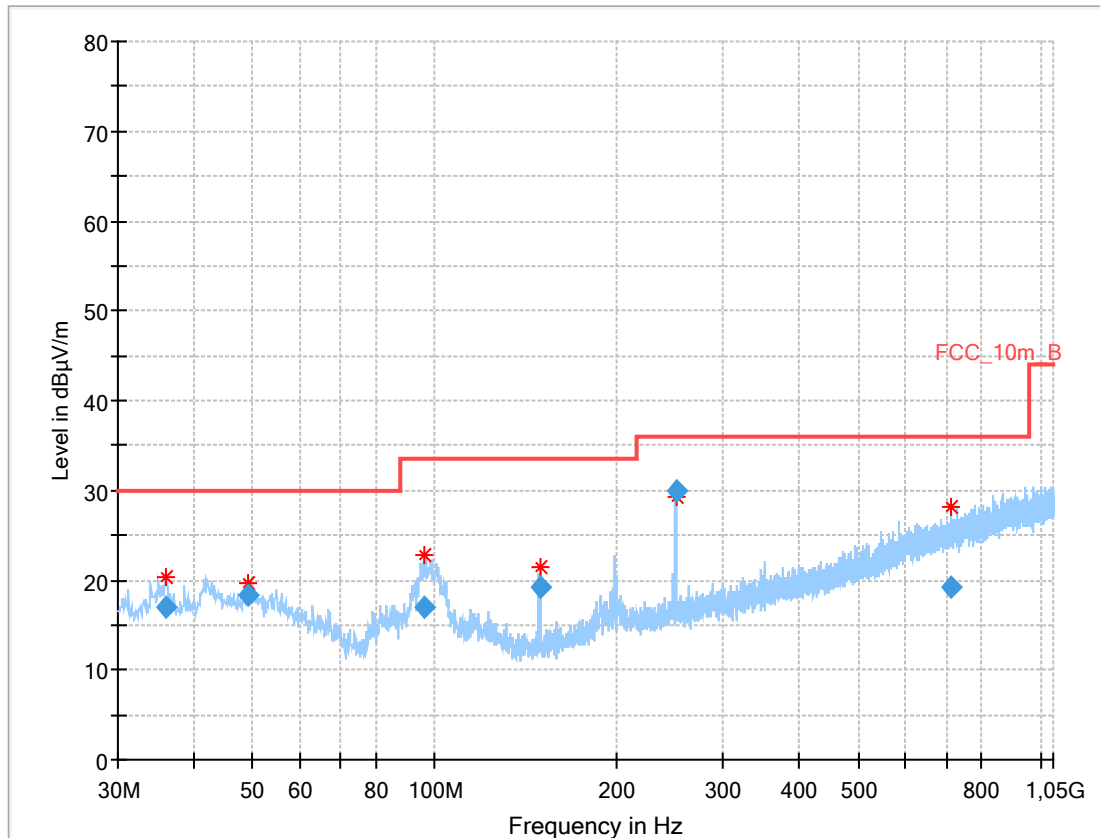
Plot 35: 18 GHz to 26 GHz, 5785 MHz, vertical & horizontal polarization



Plot 36: 26 GHz to 40 GHz, 5785 MHz, vertical & horizontal polarization



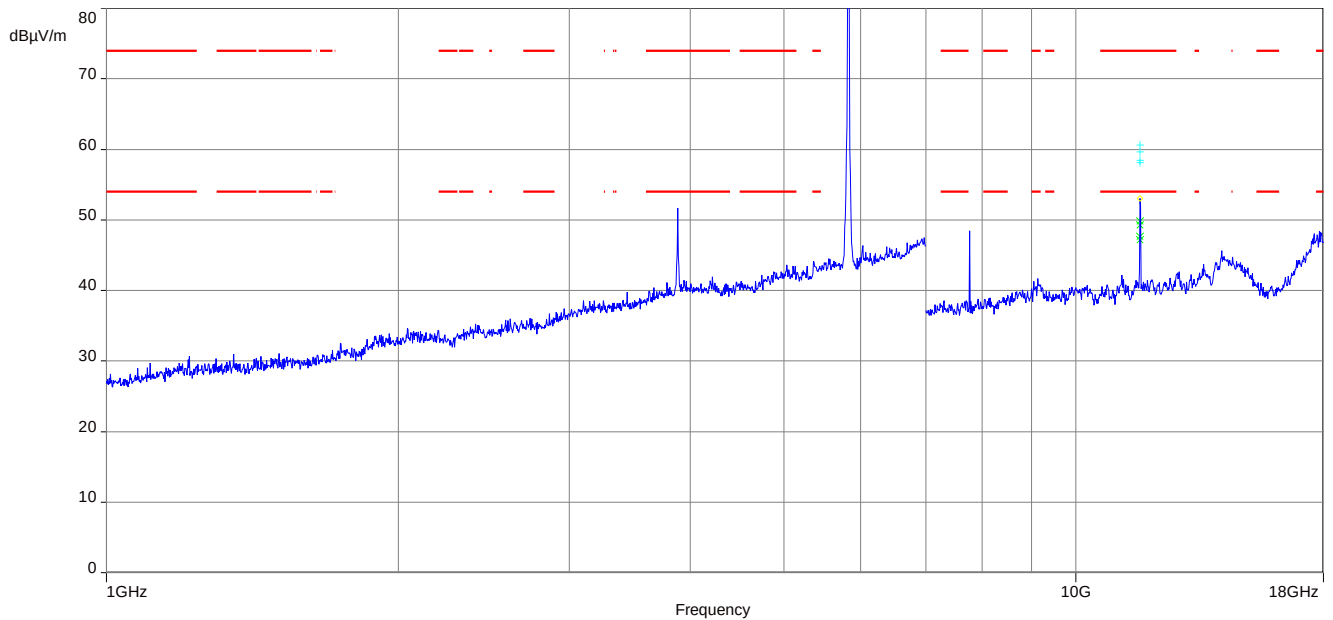
Plot 37: 30 MHz to 1 GHz, 5825 MHz, vertical & horizontal polarization



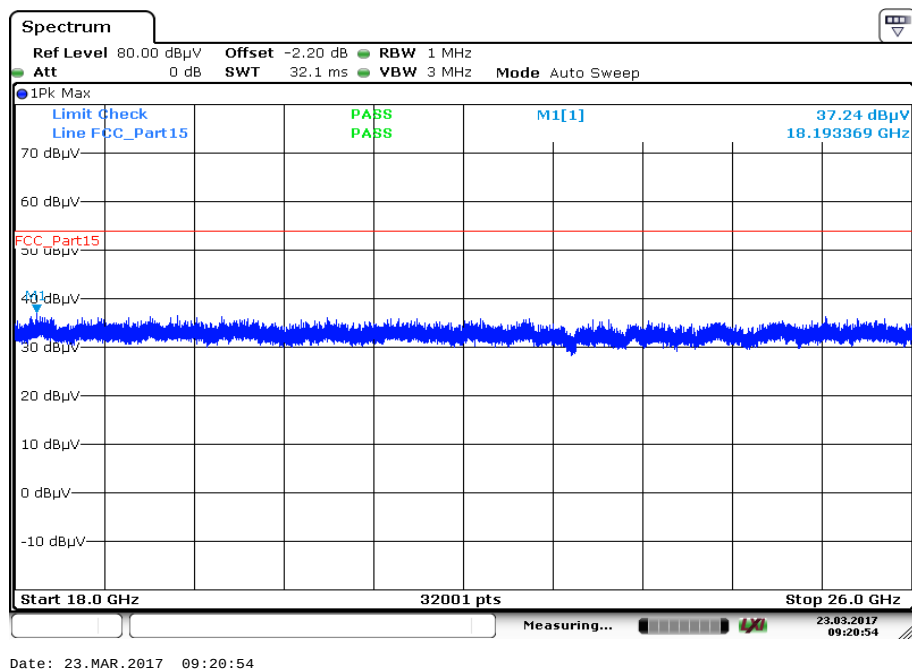
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.127050	17.07	30.00	12.93	1000.0	120.000	101.0	V	301.0	12.8
49.052400	18.24	30.00	11.76	1000.0	120.000	185.0	V	11.0	13.7
96.186300	17.09	33.50	16.41	1000.0	120.000	98.0	V	255.0	11.1
149.997450	19.18	33.50	14.32	1000.0	120.000	98.0	V	281.0	9.3
250.002600	29.91	36.00	6.09	1000.0	120.000	104.0	V	11.0	13.4
714.795600	19.19	36.00	16.81	1000.0	120.000	98.0	H	311.0	21.9

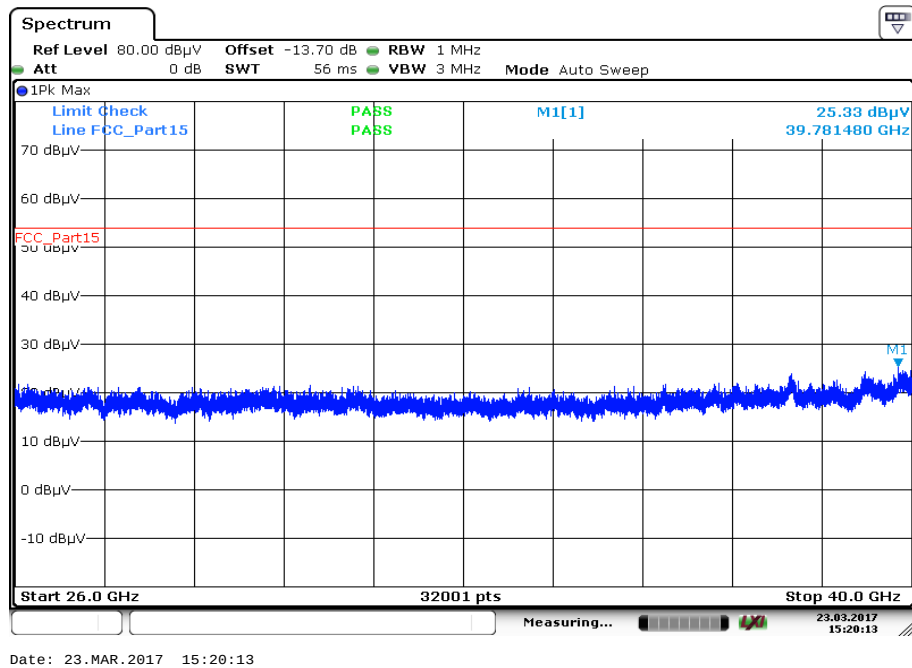
Plot 38: 1 GHz to 18 GHz, 5825 MHz, vertical & horizontal polarization



Plot 39: 18 GHz to 26 GHz, 5825 MHz, vertical & horizontal polarization

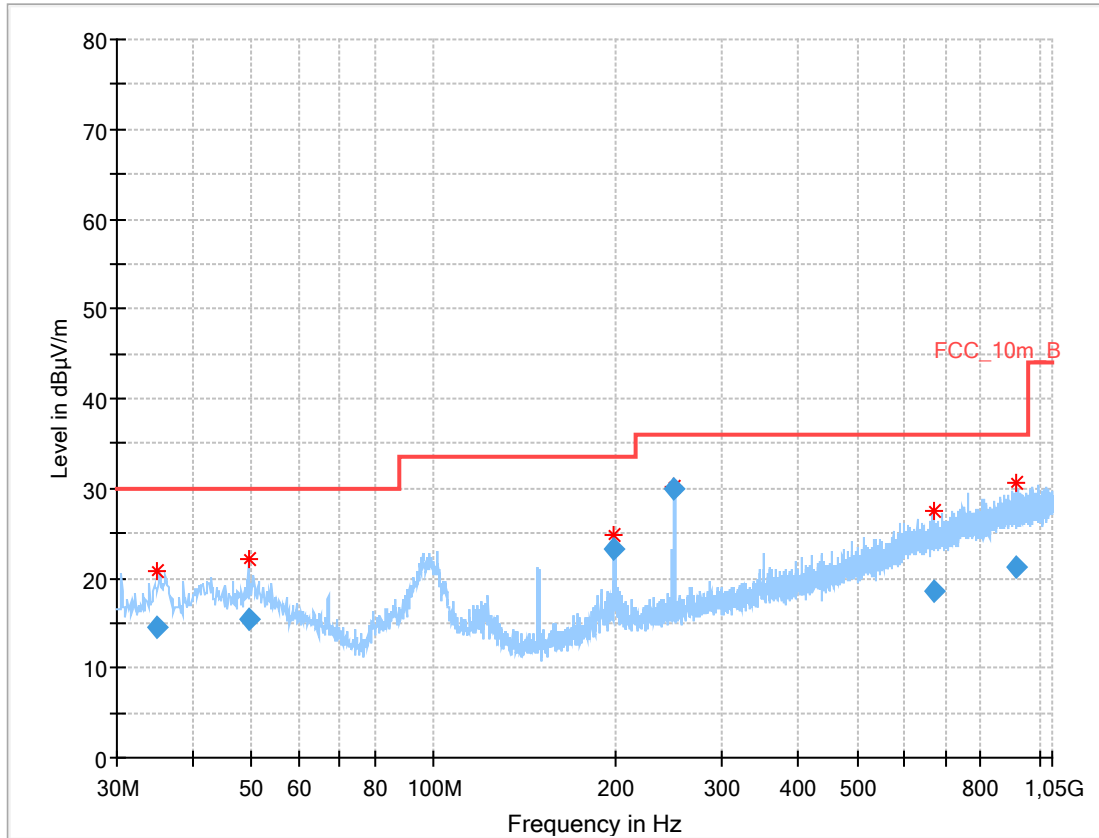


Plot 40: 26 GHz to 40 GHz, 5825 MHz, vertical & horizontal polarization



Plots: OFDM / n/ac HT40 – mode, ANT X100P001B24553 antenna

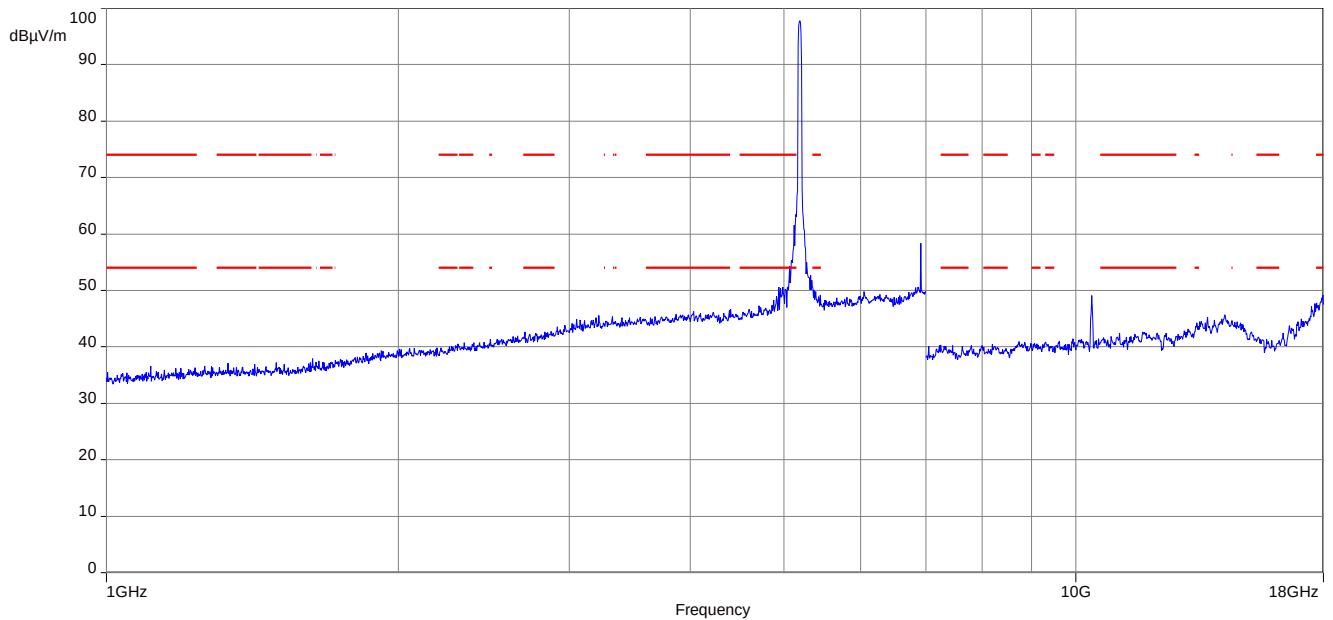
Plot 1: 30 MHz to 1 GHz, 5190 MHz, vertical & horizontal polarization



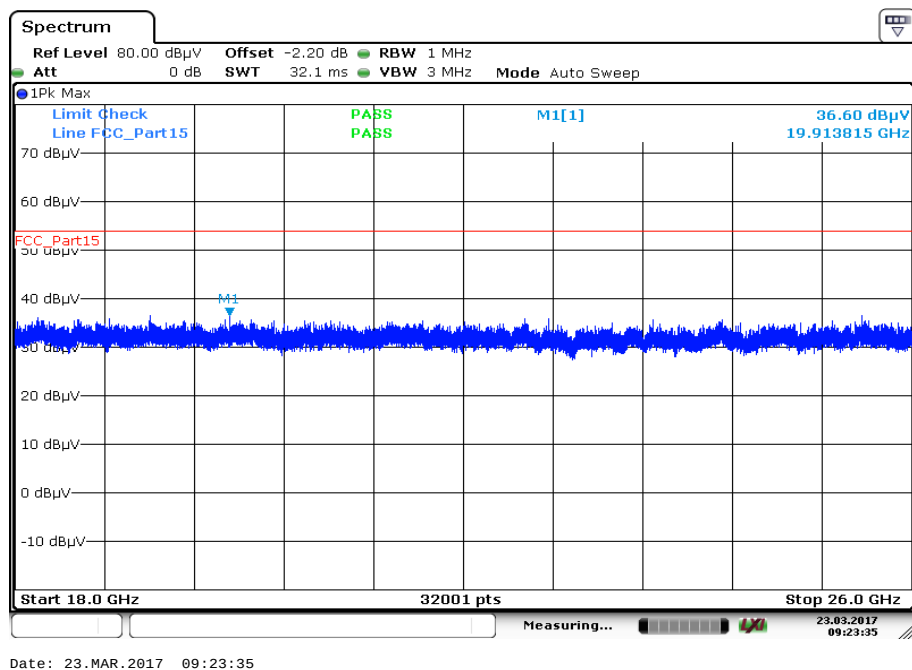
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
34.974900	14.61	30.00	15.39	1000.0	120.000	98.0	V	234.0	12.6
49.448700	15.50	30.00	14.50	1000.0	120.000	98.0	V	95.0	13.7
198.000450	23.23	33.50	10.27	1000.0	120.000	98.0	V	81.0	11.8
250.000350	29.91	36.00	6.09	1000.0	120.000	100.0	V	255.0	13.4
670.652550	18.49	36.00	17.51	1000.0	120.000	185.0	V	129.0	21.3
912.467100	21.18	36.00	14.82	1000.0	120.000	101.0	H	255.0	24.2

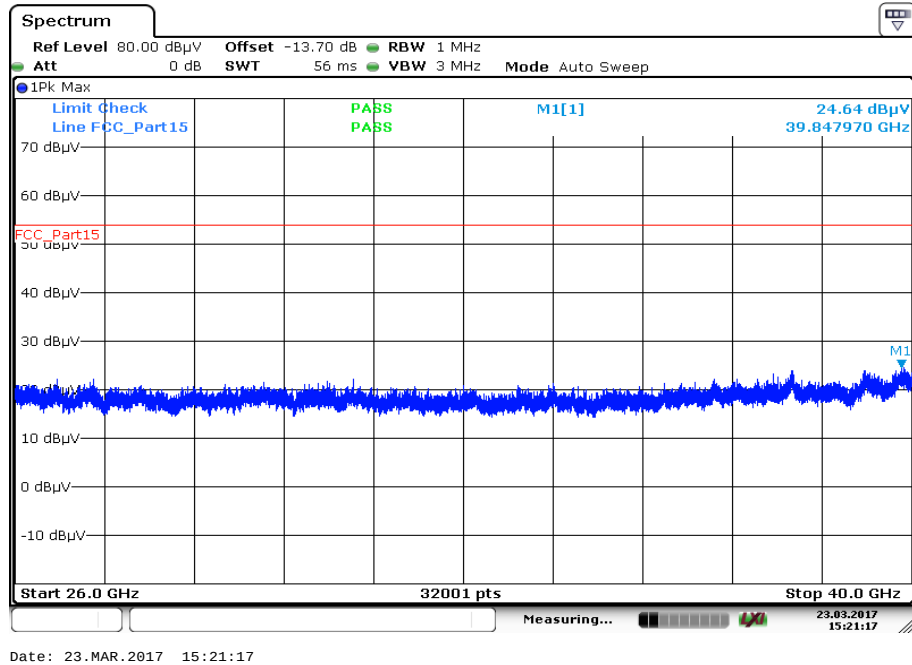
Plot 2: 1 GHz to 18 GHz, 5190 MHz, vertical & horizontal polarization



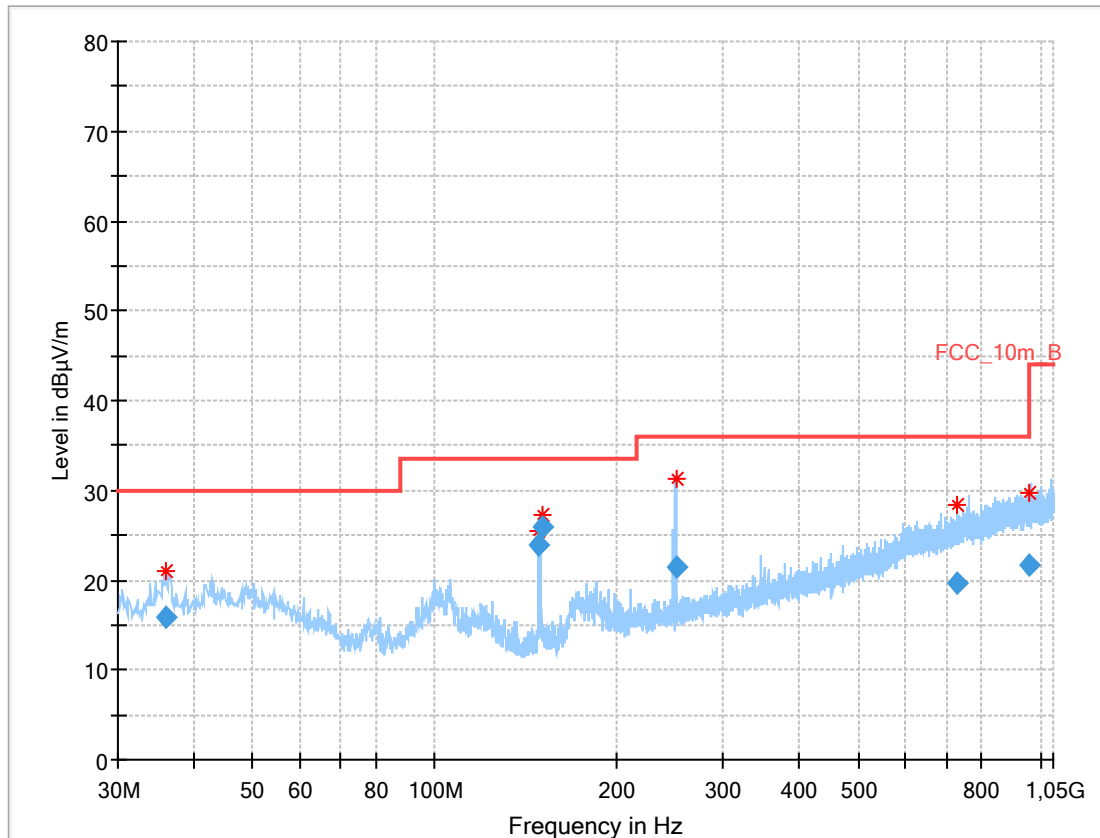
Plot 3: 18 GHz to 26 GHz, 5190 MHz, vertical & horizontal polarization



Plot 4: 26 GHz to 40 GHz, 5190 MHz, vertical & horizontal polarization



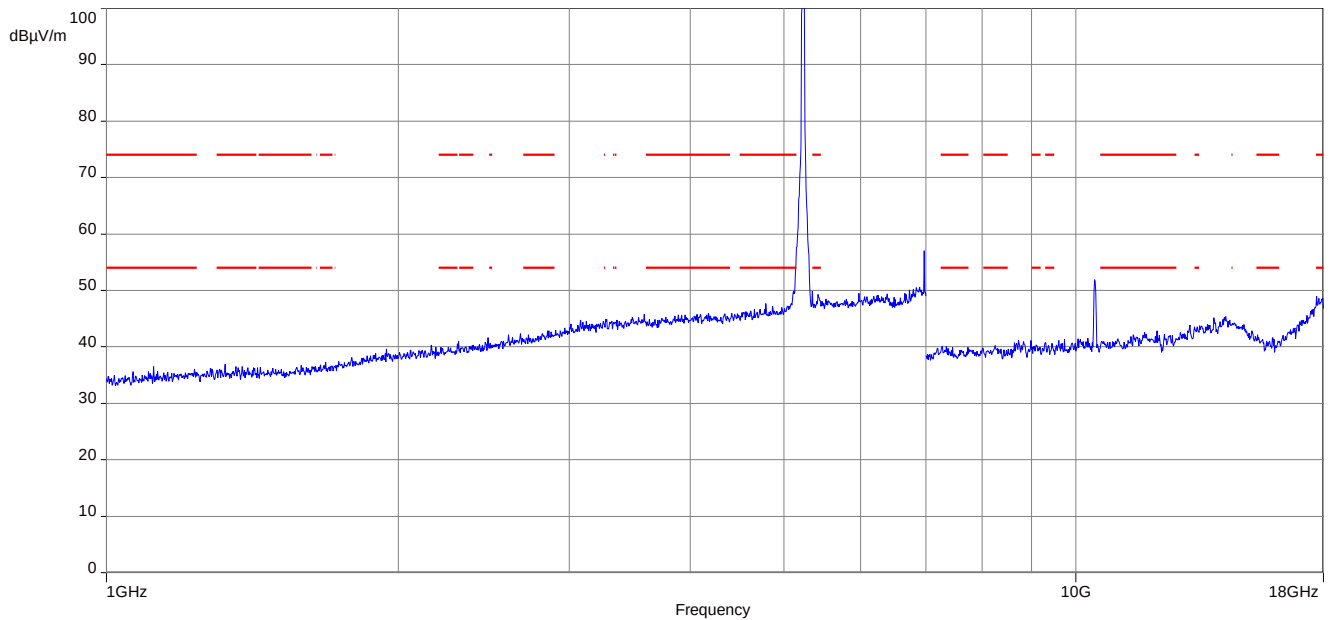
Plot 5: 30 MHz to 1 GHz, 5230 MHz, vertical & horizontal polarization



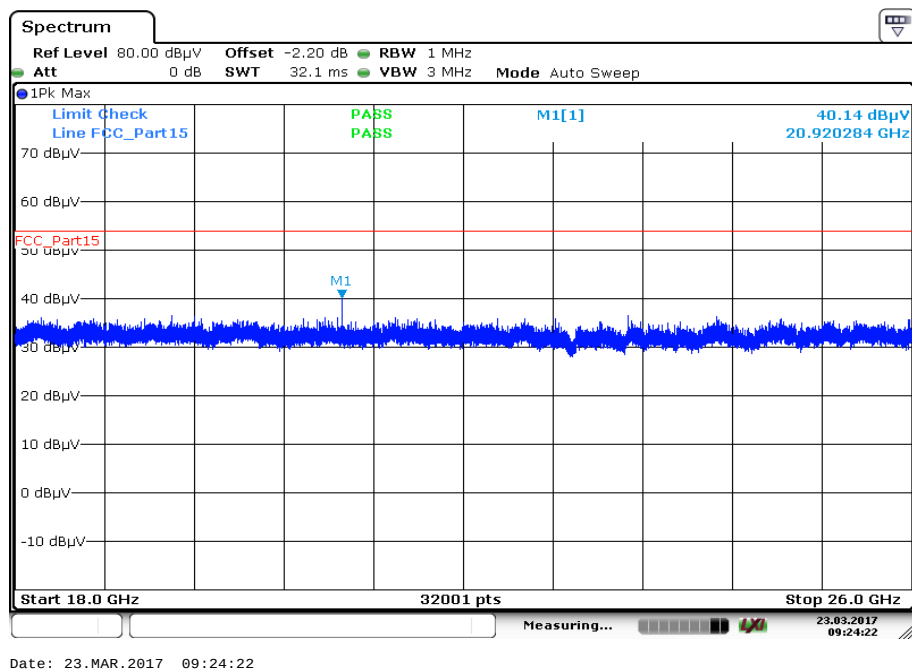
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.121350	15.79	30.00	14.21	1000.0	120.000	178.0	V	327.0	12.8
148.488450	24.02	33.50	9.48	1000.0	120.000	98.0	V	303.0	9.2
150.295350	26.00	33.50	7.50	1000.0	120.000	185.0	V	279.0	9.3
250.002900	21.51	36.00	14.49	1000.0	120.000	98.0	V	18.0	13.4
727.349250	19.57	36.00	16.43	1000.0	120.000	185.0	H	346.0	22.2
955.320150	21.57	36.00	14.43	1000.0	120.000	185.0	H	192.0	24.4

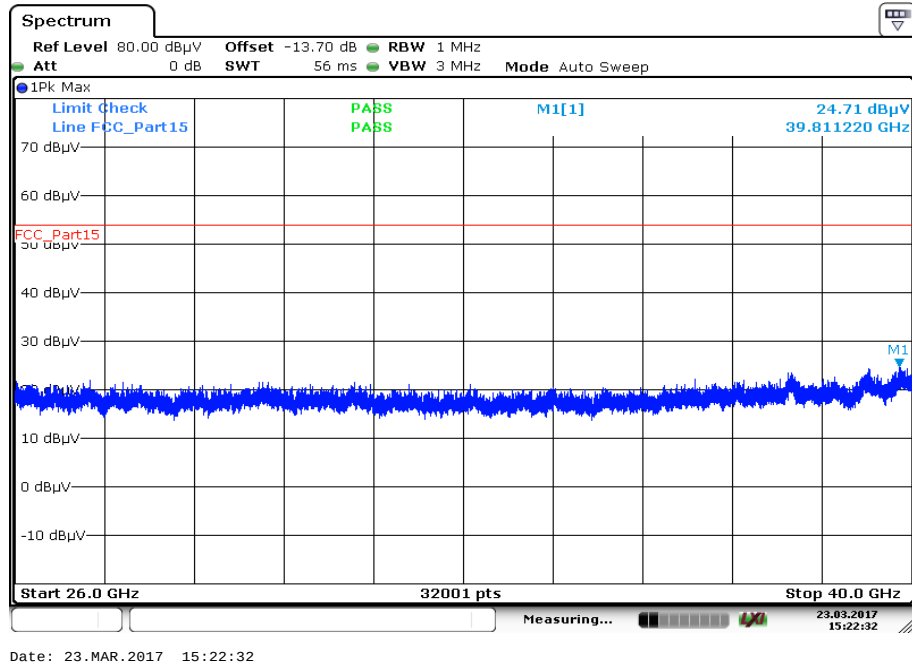
Plot 6: 1 GHz to 18 GHz, 5230 MHz, vertical & horizontal polarization



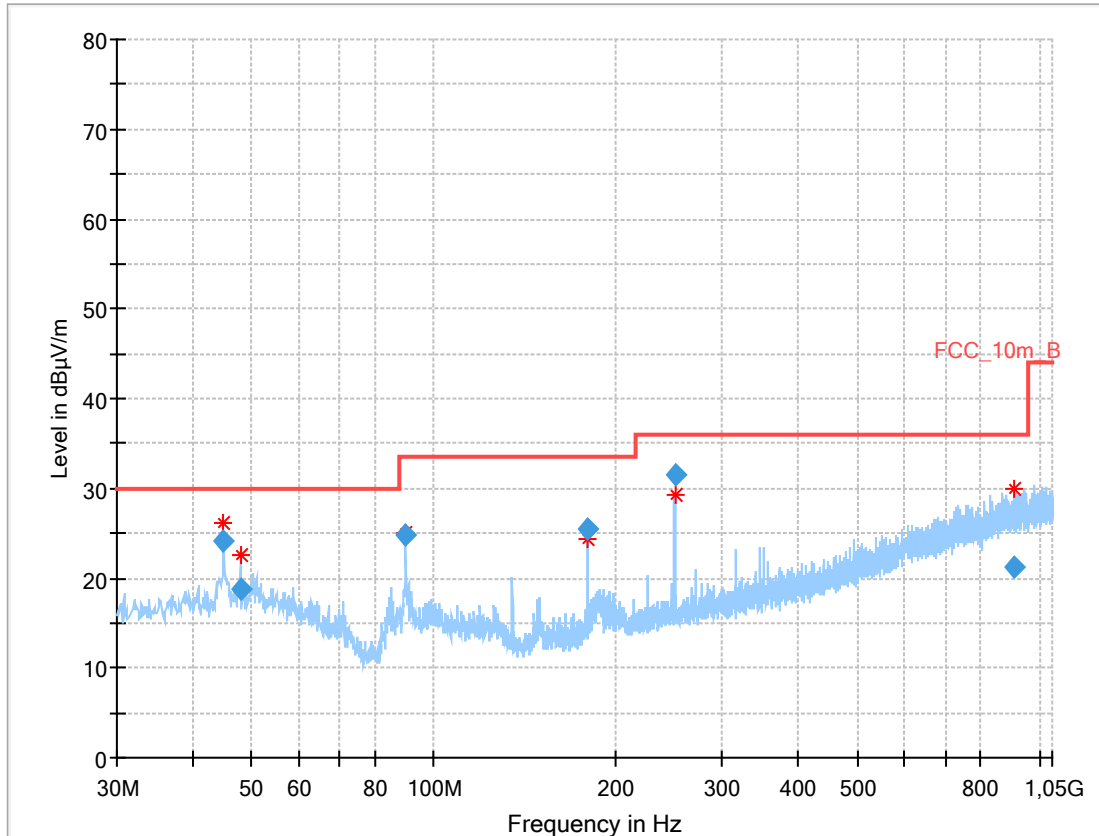
Plot 7: 18 GHz to 26 GHz, 5230 MHz, vertical & horizontal polarization



Plot 8: 26 GHz to 40 GHz, 5230 MHz, vertical & horizontal polarization



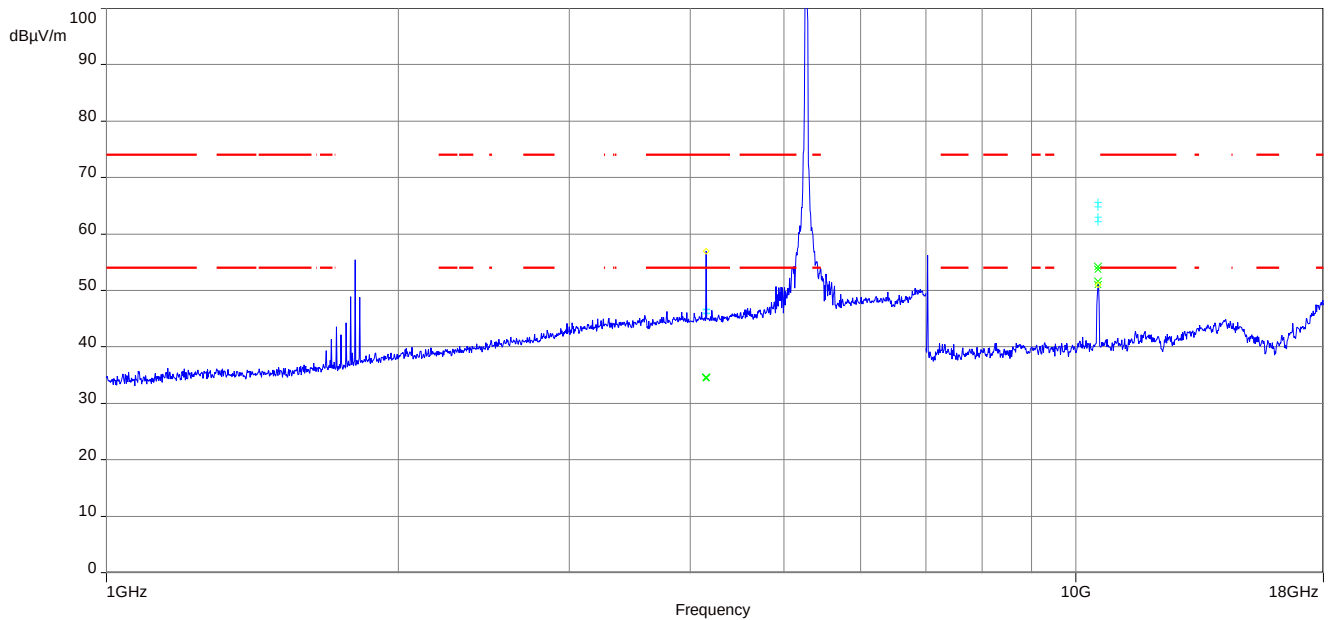
Plot 9: 30 MHz to 1 GHz, 5270 MHz, vertical & horizontal polarization



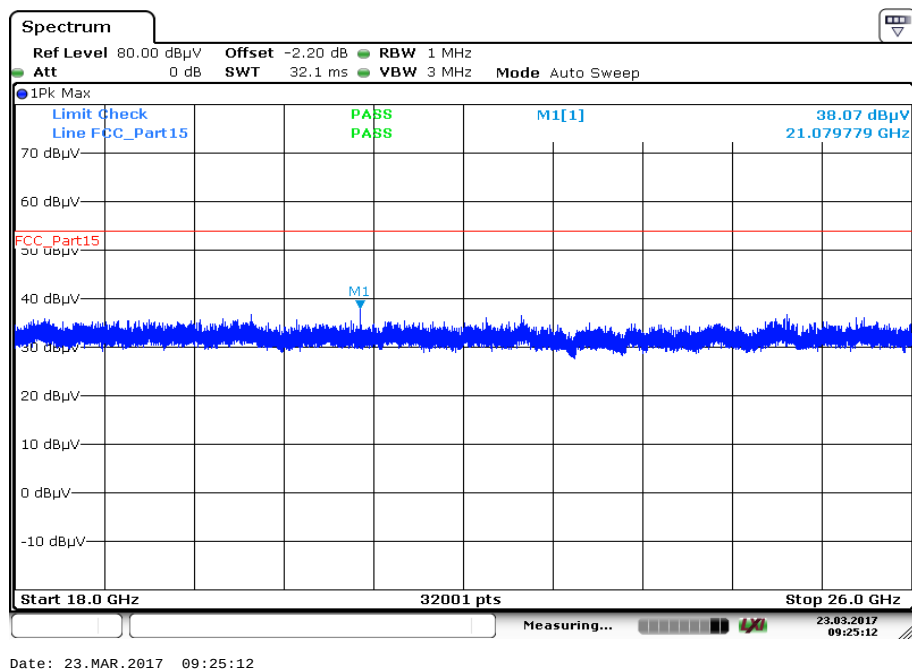
Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.022050	24.11	30.00	5.89	1000.0	120.000	98.0	V	100.0	13.6
47.998050	18.70	30.00	11.30	1000.0	120.000	101.0	V	10.0	13.7
89.990700	24.89	33.50	8.61	1000.0	120.000	101.0	V	-10.0	9.3
179.984400	25.39	33.50	8.11	1000.0	120.000	98.0	V	81.0	10.9
250.009500	31.56	36.00	4.44	1000.0	120.000	98.0	V	170.0	13.4
906.046200	21.23	36.00	14.77	1000.0	120.000	170.0	V	10.0	24.2

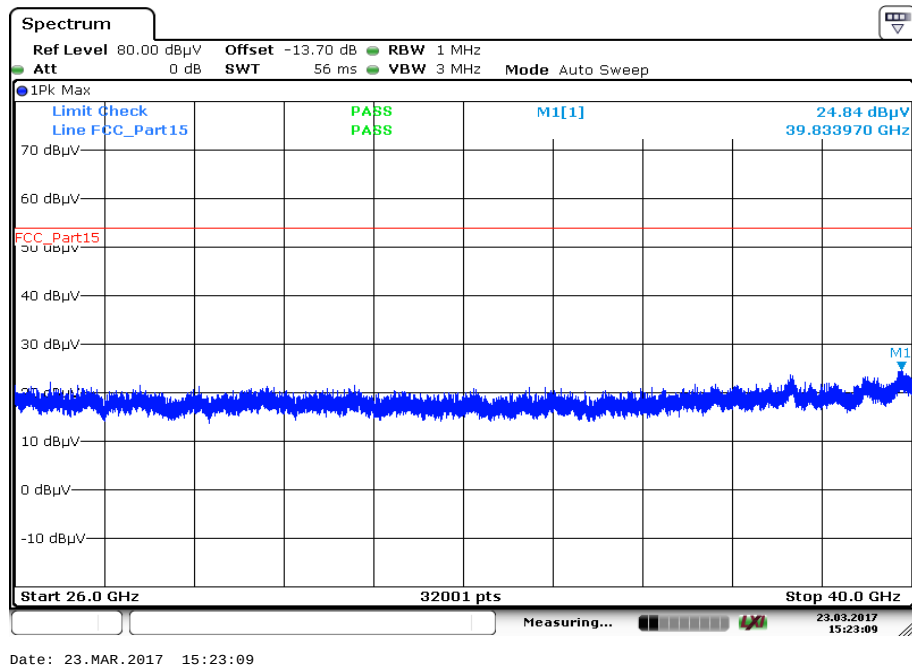
Plot 10: 1 GHz to 18 GHz, 5270 MHz, vertical & horizontal polarization



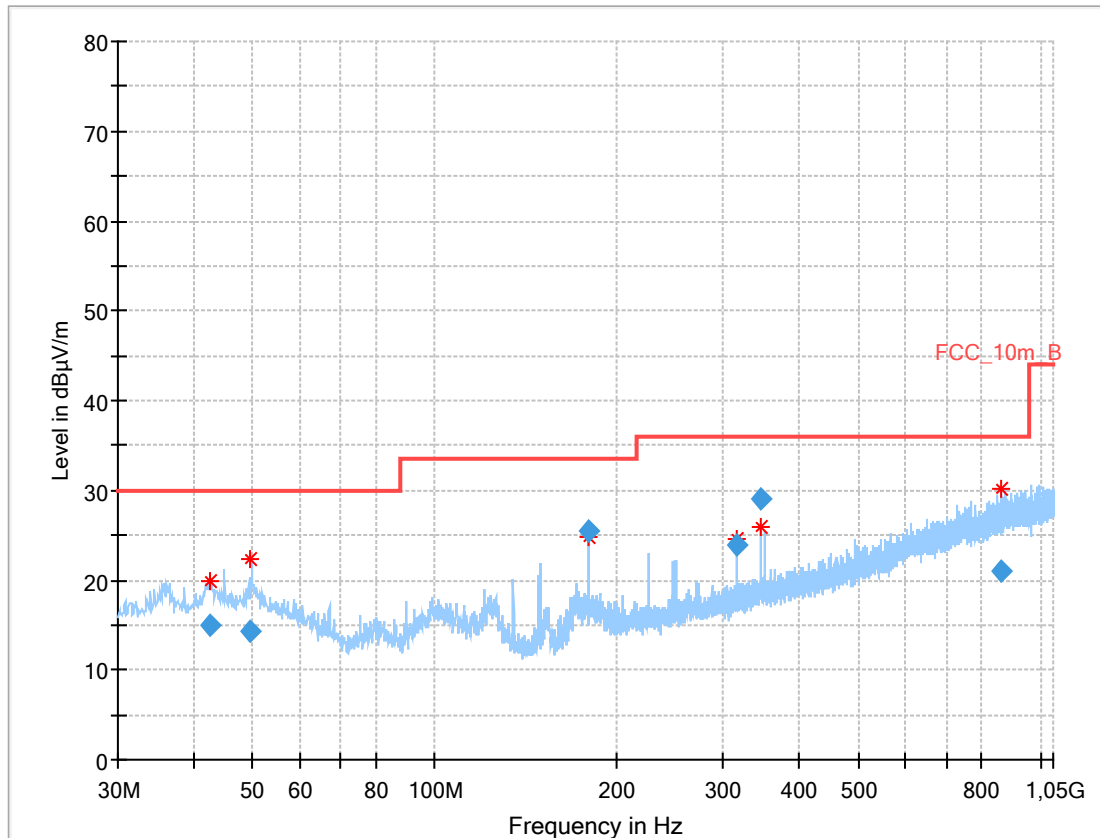
Plot 11: 18 GHz to 26 GHz, 5270 MHz, vertical & horizontal polarization



Plot 12: 26 GHz to 40 GHz, 5270 MHz, vertical & horizontal polarization



Plot 13: 30 MHz to 1 GHz, 5310 MHz, vertical & horizontal polarization



Final results:

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
42.652800	14.99	30.00	15.01	1000.0	120.000	101.0	V	353.0	13.4
49.540950	14.32	30.00	15.68	1000.0	120.000	100.0	V	143.0	13.7
179.989200	25.51	33.50	7.99	1000.0	120.000	98.0	V	338.0	10.9
314.985900	23.84	36.00	12.16	1000.0	120.000	98.0	V	11.0	14.9
346.494150	29.14	36.00	6.86	1000.0	120.000	185.0	H	67.0	15.9
858.569400	21.07	36.00	14.93	1000.0	120.000	98.0	H	247.0	23.6

Spectrum

Ref Level 80.00 dBμV Offset -2.20 dB RBW 1 MHz
 Att 0 dB SWT 32.1 ms VBW 3 MHz Mode Auto Sweep

1Pk Max

Limit Check
 Line FCC_Part15

PASS
 PASS

M1[1]

36.41 dBμV
 21.398519 GHz

FCC_Part15
 50 dBμV

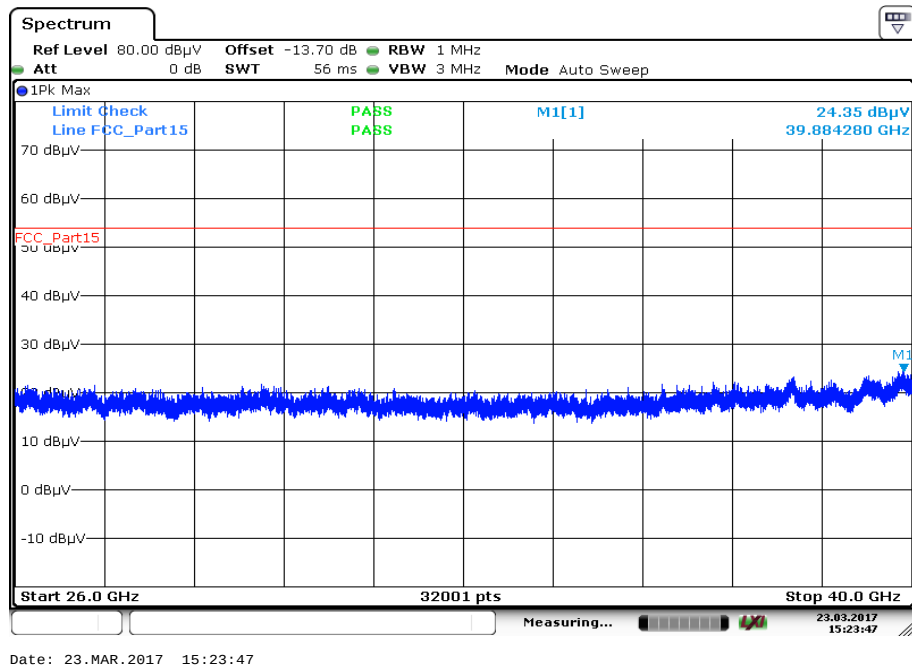
M1

Start 18.0 GHz 32001 pts Stop 26.0 GHz

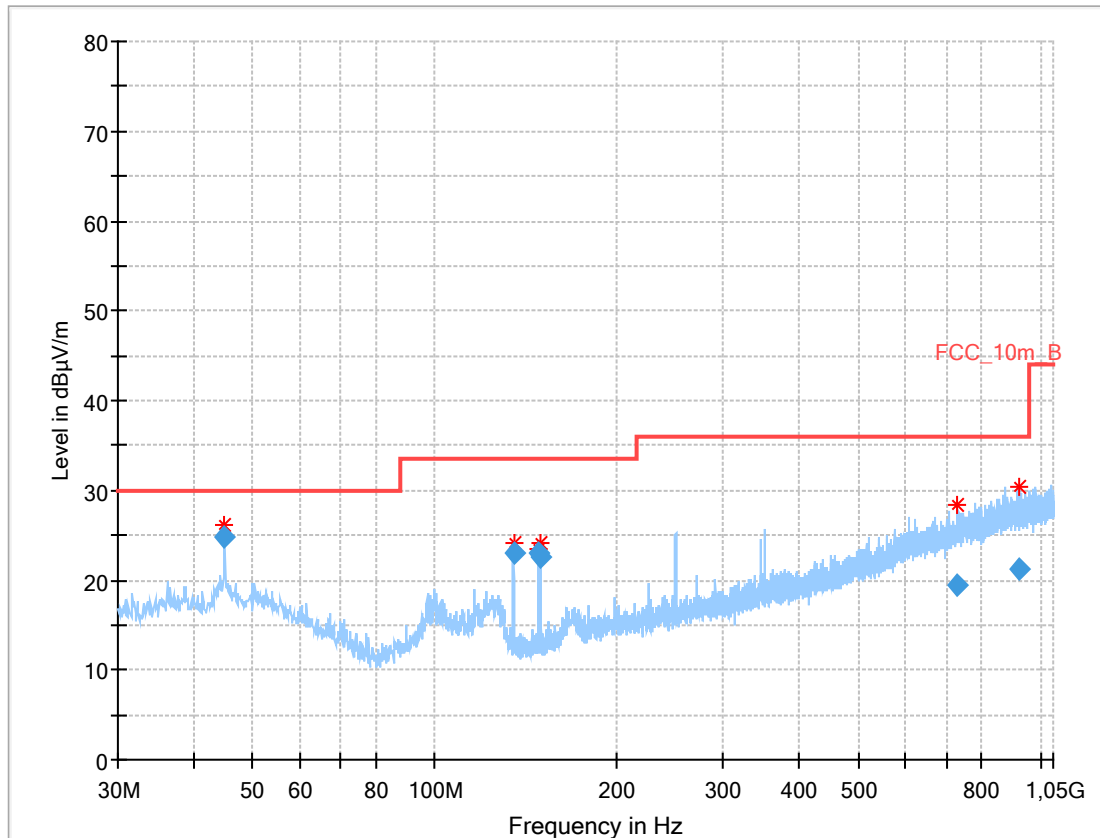
Measuring...

Date: 23.MAR.2017 09:26:26

Plot 16: 26 GHz to 40 GHz, 5310 MHz, vertical & horizontal polarization



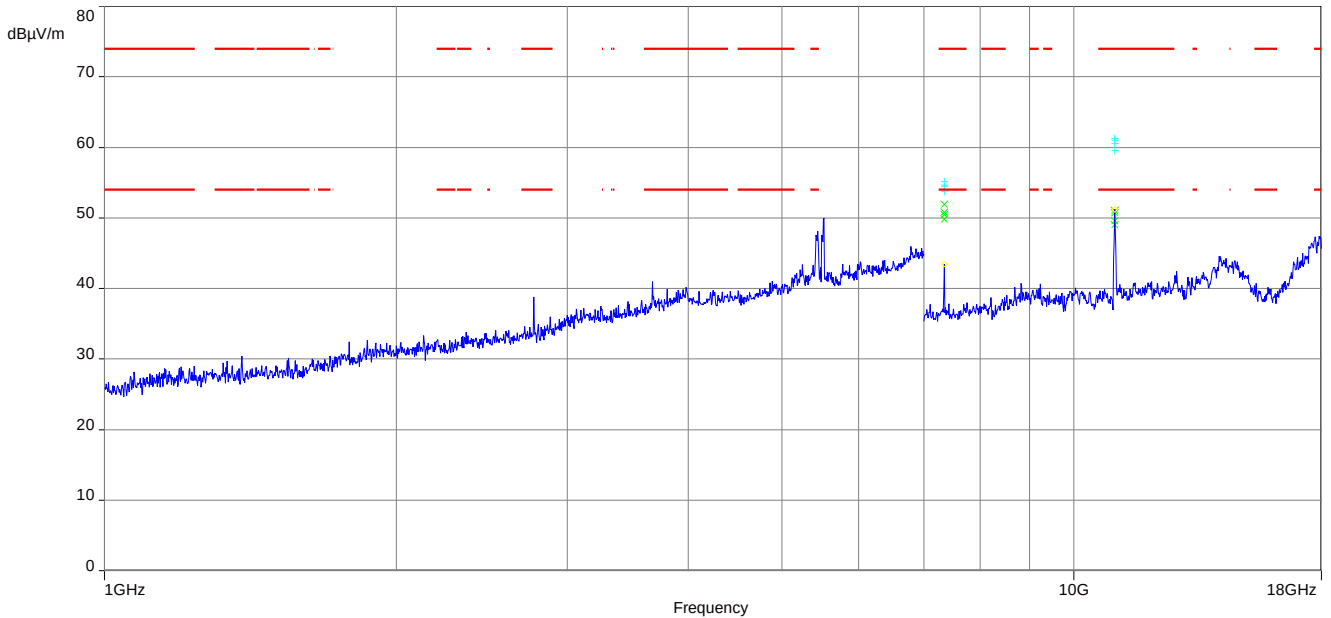
Plot 17: 30 MHz to 1 GHz, 5510 MHz, vertical & horizontal polarization



Final results:

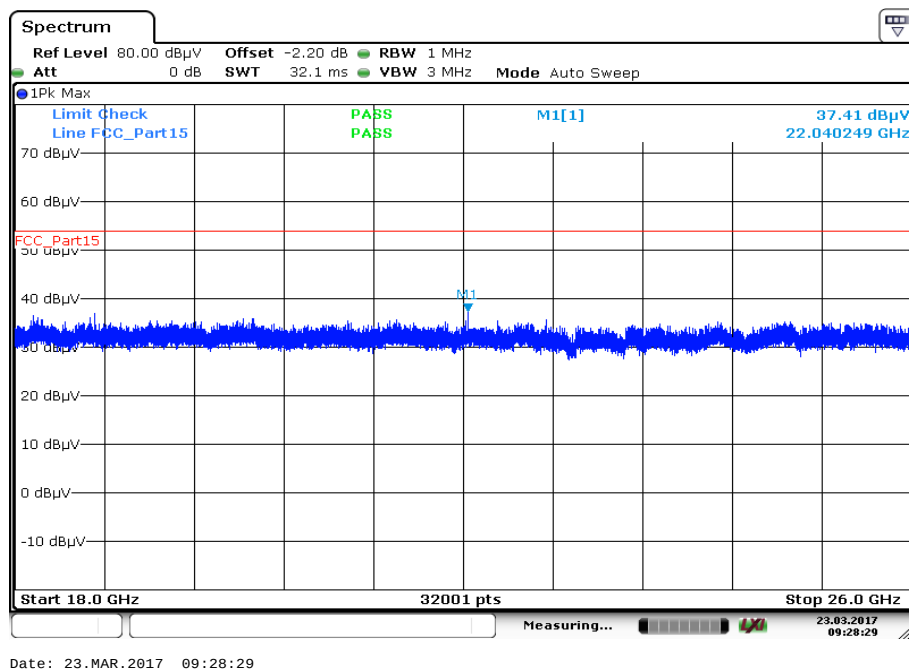
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.003750	24.89	30.00	5.11	1000.0	120.000	98.0	V	52.0	13.6
135.019950	23.09	33.50	10.41	1000.0	120.000	98.0	V	11.0	9.2
148.491450	23.07	33.50	10.43	1000.0	120.000	98.0	V	266.0	9.2
150.003000	22.61	33.50	10.89	1000.0	120.000	98.0	V	249.0	9.3
727.478250	19.41	36.00	16.59	1000.0	120.000	178.0	V	217.0	22.2
919.970100	21.34	36.00	14.66	1000.0	120.000	185.0	V	242.0	24.3

Plot 18: 1 GHz to 18 GHz, 5510 MHz, vertical & horizontal polarization

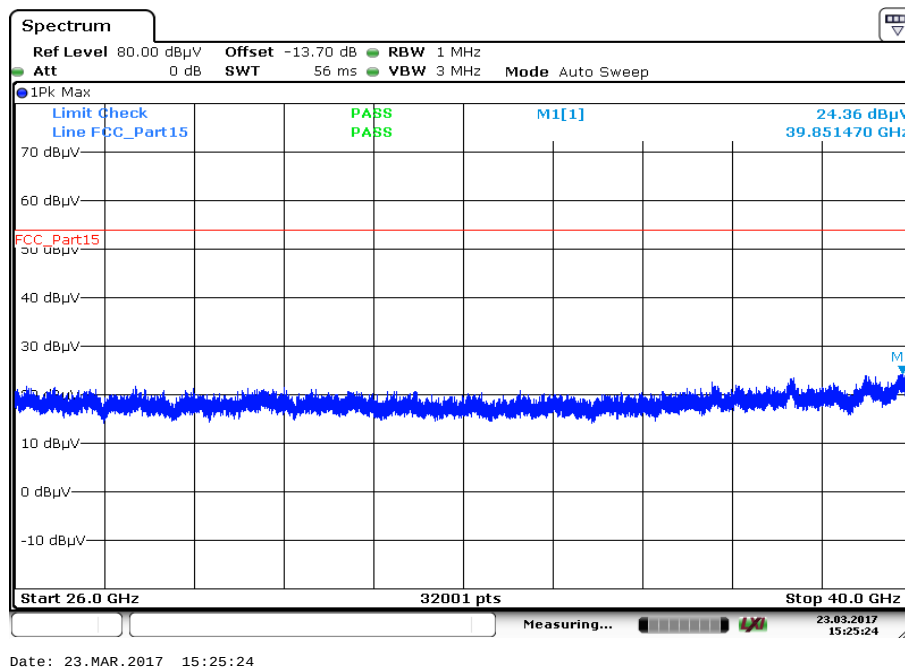


The carrier signal is notched with a band rejection filter.

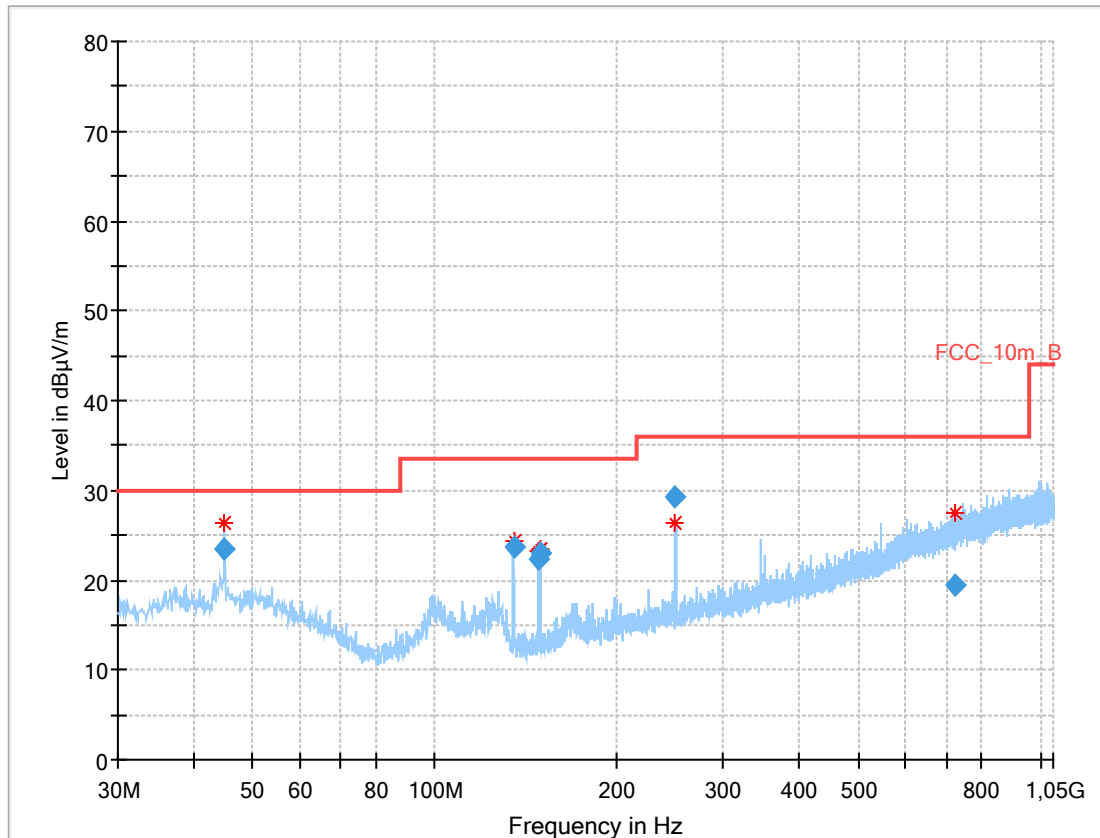
Plot 19: 18 GHz to 26 GHz, 5510 MHz, vertical & horizontal polarization



Plot 20: 26 GHz to 40 GHz, 5510 MHz, vertical & horizontal polarization



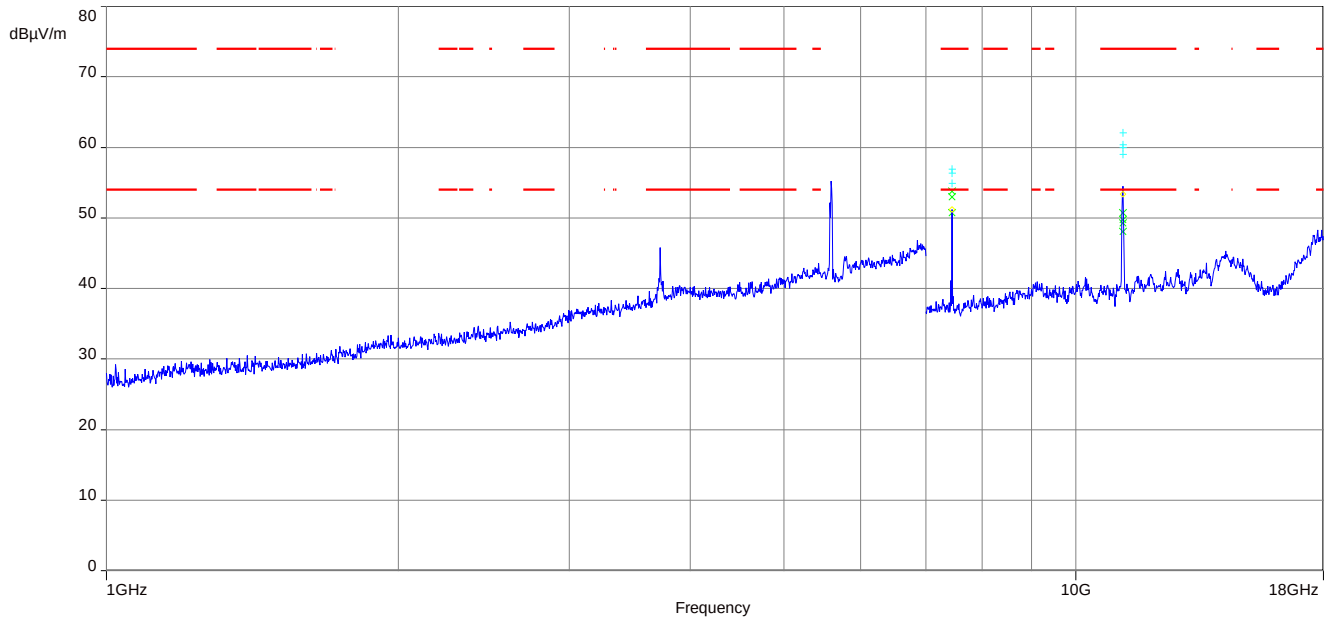
Plot 21: 30 MHz to 1 GHz, 5590 MHz, vertical & horizontal polarization



Final results:

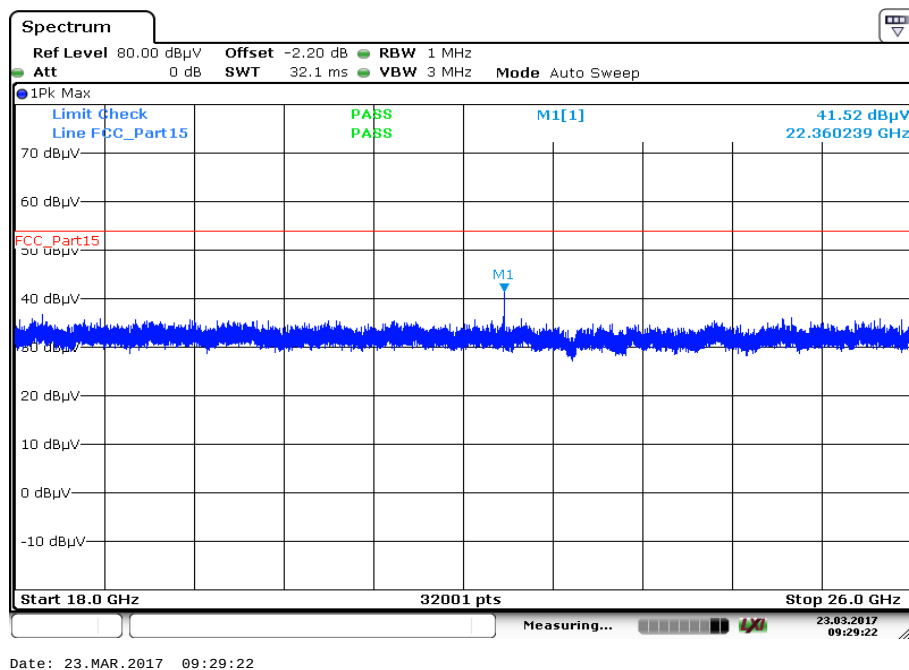
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.966700	23.55	30.00	6.45	1000.0	120.000	98.0	V	74.0	13.6
135.006300	23.77	33.50	9.73	1000.0	120.000	101.0	V	11.0	9.2
148.494600	22.39	33.50	11.11	1000.0	120.000	100.0	V	278.0	9.2
149.990700	22.99	33.50	10.51	1000.0	120.000	98.0	V	296.0	9.3
249.994350	29.30	36.00	6.70	1000.0	120.000	98.0	V	200.0	13.4
725.001000	19.46	36.00	16.54	1000.0	120.000	185.0	H	62.0	22.1

Plot 22: 1 GHz to 18 GHz, 5590 MHz, vertical & horizontal polarization

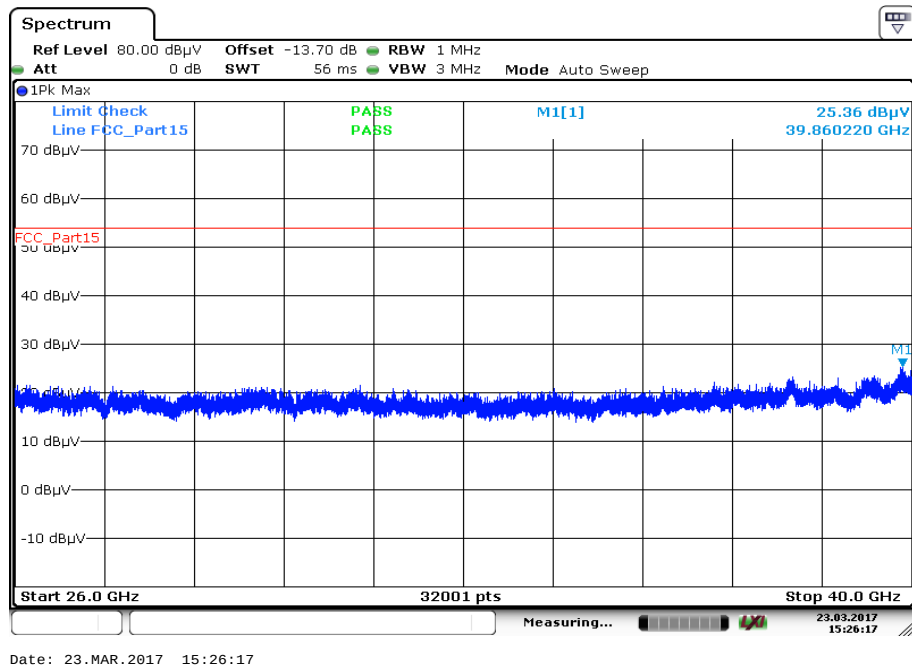


The carrier signal is notched with a band rejection filter.

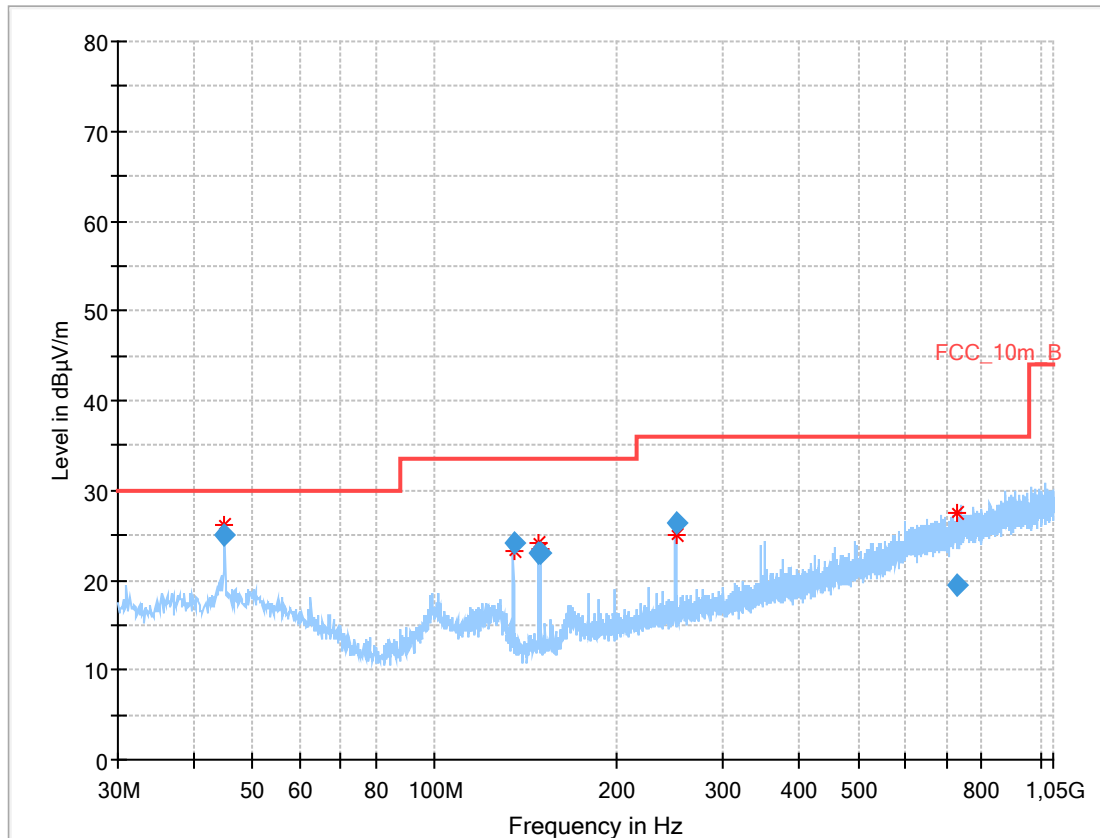
Plot 23: 18 GHz to 26 GHz, 5590 MHz, vertical & horizontal polarization



Plot 24: 26 GHz to 40 GHz, 5590 MHz, vertical & horizontal polarization



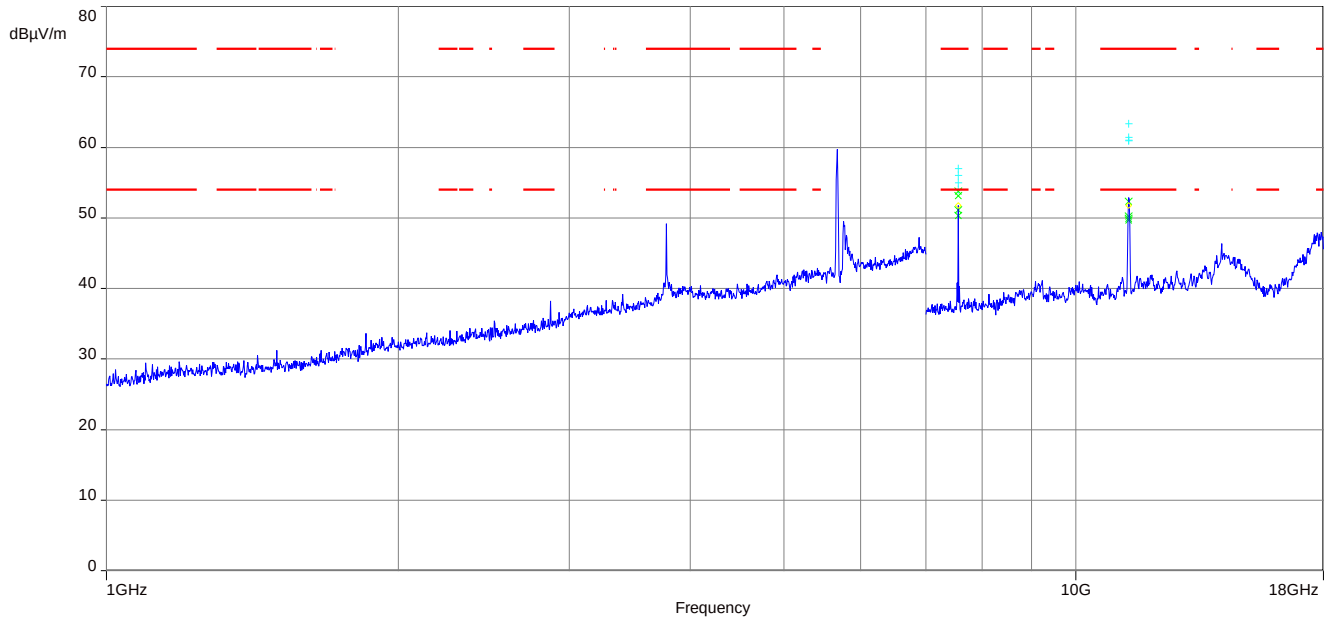
Plot 25: 30 MHz to 1 GHz, 5670 MHz, vertical & horizontal polarization



Final results:

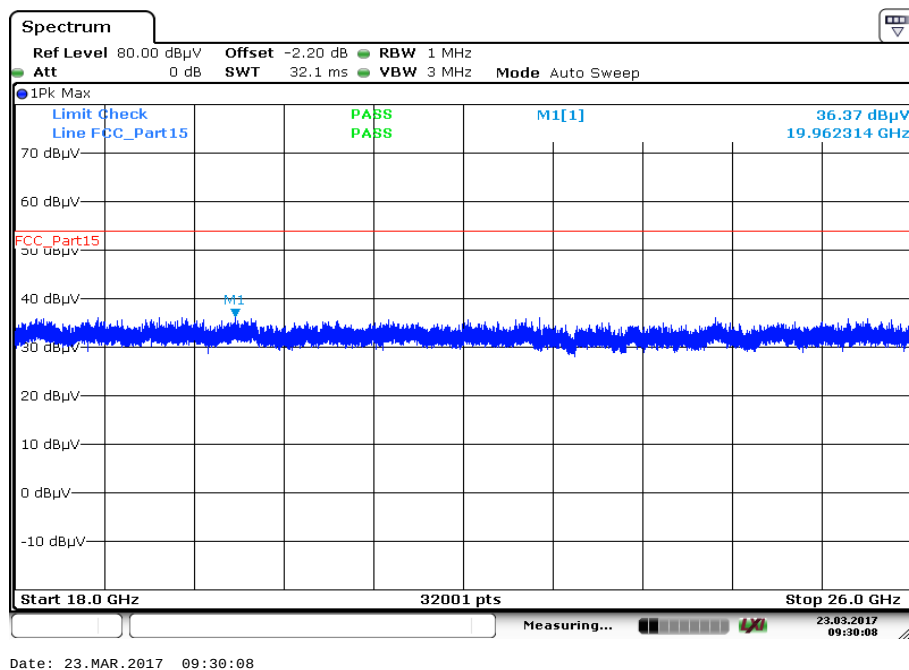
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.992500	25.10	30.00	4.90	1000.0	120.000	98.0	V	150.0	13.6
134.987100	24.05	33.50	9.45	1000.0	120.000	101.0	V	3.0	9.2
148.491900	22.94	33.50	10.56	1000.0	120.000	98.0	V	279.0	9.2
150.001050	23.08	33.50	10.42	1000.0	120.000	98.0	V	279.0	9.3
250.000800	26.43	36.00	9.57	1000.0	120.000	98.0	V	229.0	13.4
728.631300	19.51	36.00	16.49	1000.0	120.000	185.0	H	61.0	22.2

Plot 26: 1 GHz to 18 GHz, 5670 MHz, vertical & horizontal polarization

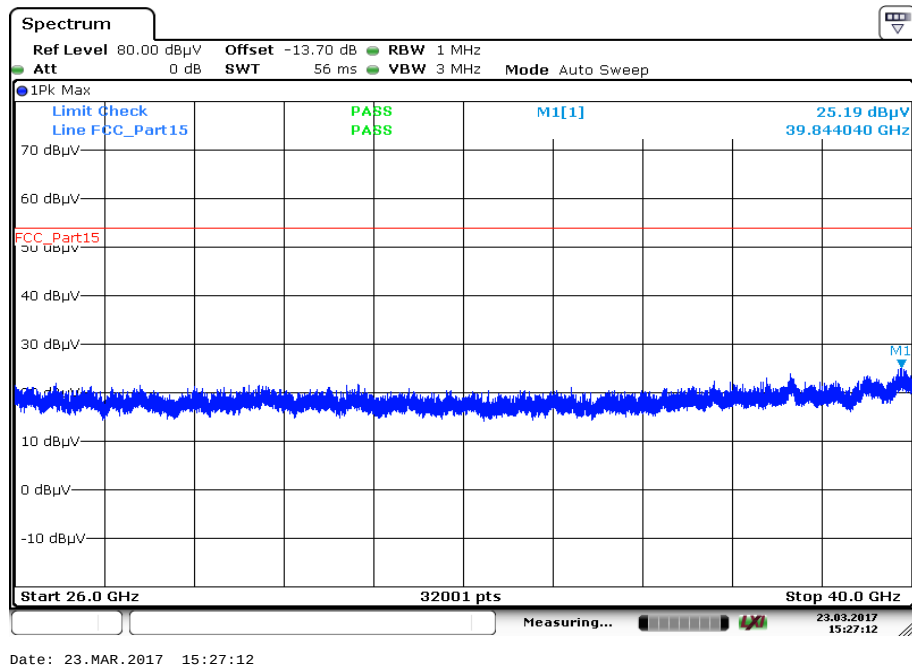


The carrier signal is notched with a band rejection filter.

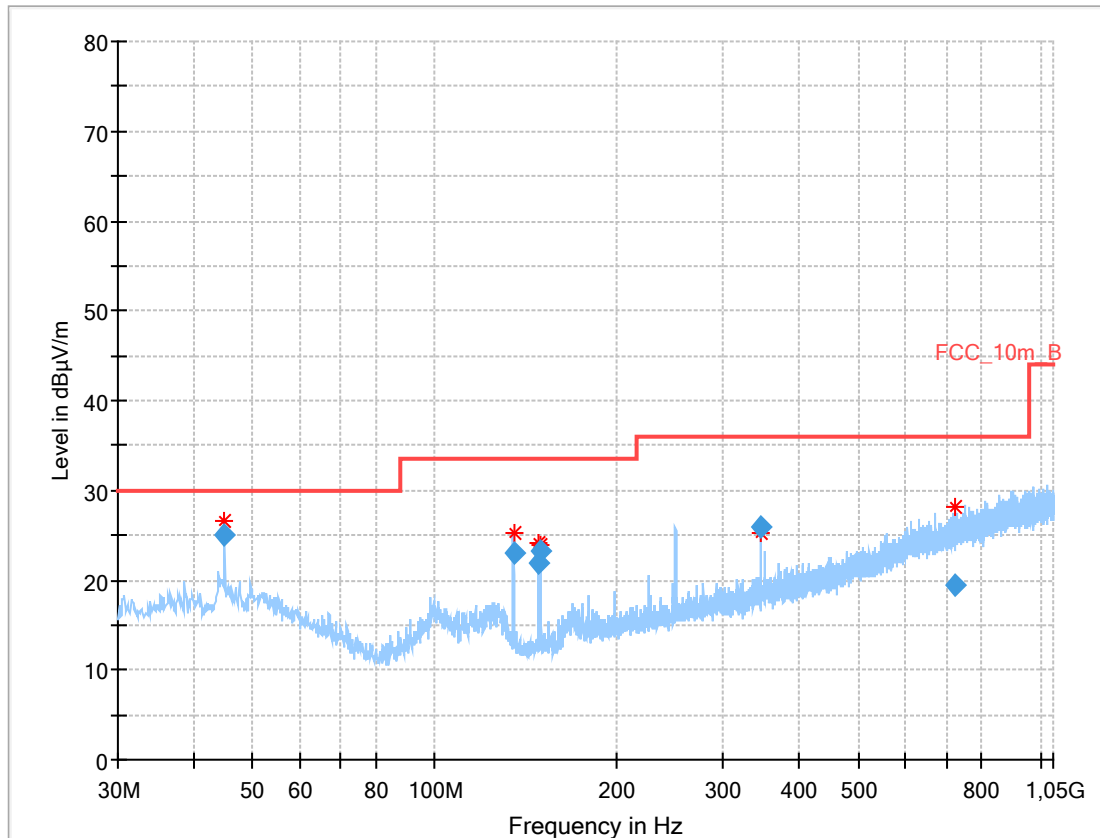
Plot 27: 18 GHz to 26 GHz, 5670 MHz, vertical & horizontal polarization



Plot 28: 26 GHz to 40 GHz, 5670 MHz, vertical & horizontal polarization



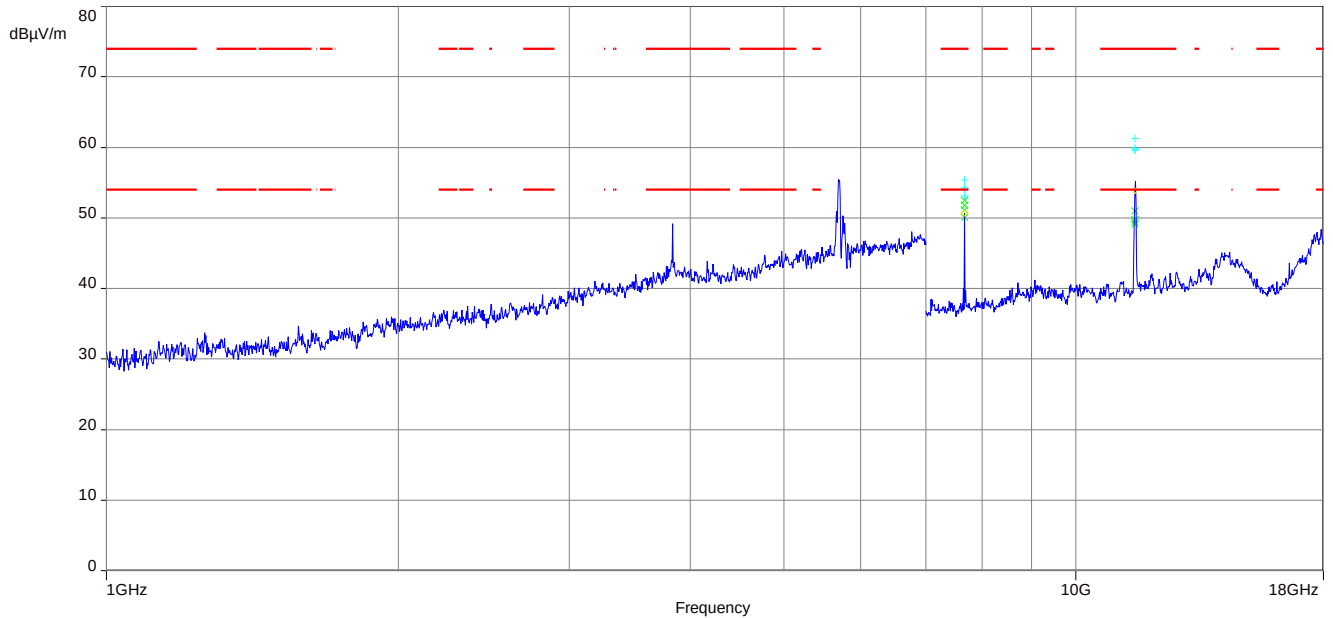
Plot 29: 30 MHz to 1 GHz, 5755 MHz, vertical & horizontal polarization



Final results:

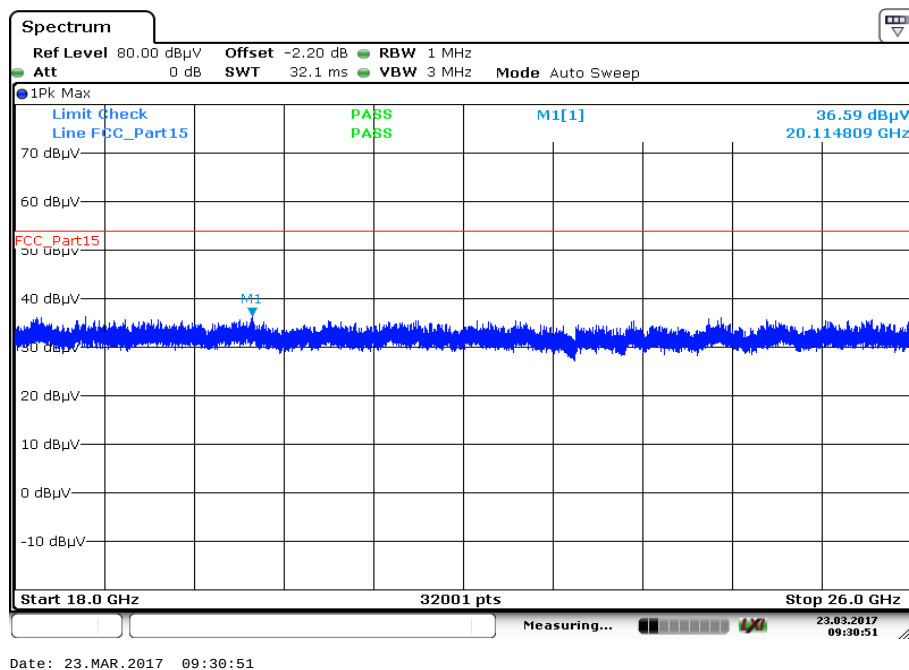
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.008100	24.95	30.00	5.05	1000.0	120.000	98.0	V	210.0	13.6
135.025350	22.98	33.50	10.52	1000.0	120.000	185.0	V	6.0	9.2
148.503300	21.88	33.50	11.62	1000.0	120.000	98.0	V	278.0	9.2
150.000450	23.18	33.50	10.32	1000.0	120.000	101.0	V	291.0	9.3
346.482750	25.83	36.00	10.17	1000.0	120.000	178.0	H	278.0	15.9
724.644900	19.46	36.00	16.54	1000.0	120.000	98.0	V	325.0	22.1

Plot 30: 1 GHz to 18 GHz, 5755 MHz, vertical & horizontal polarization

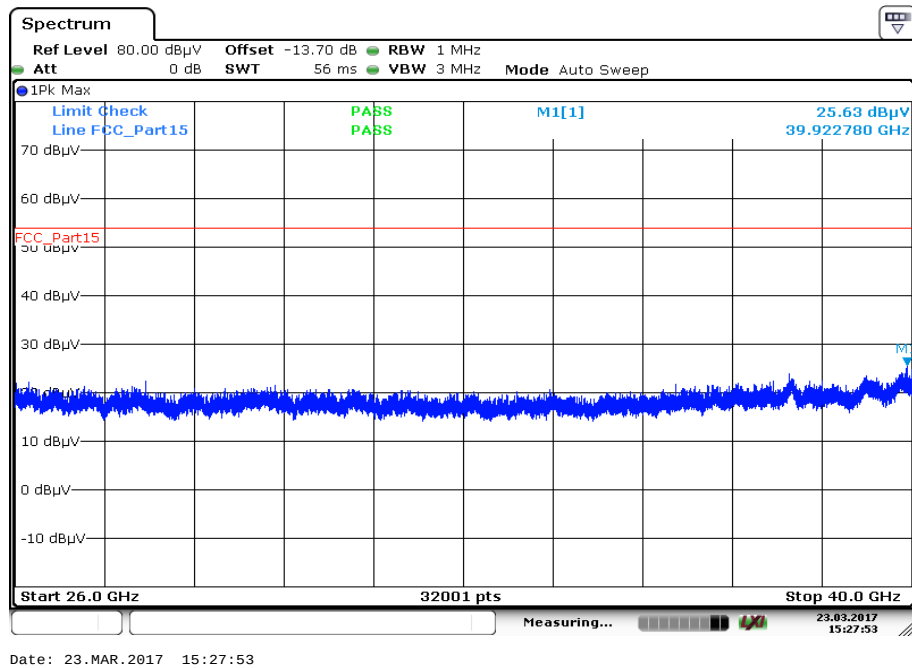


The carrier signal is notched with a band rejection filter.

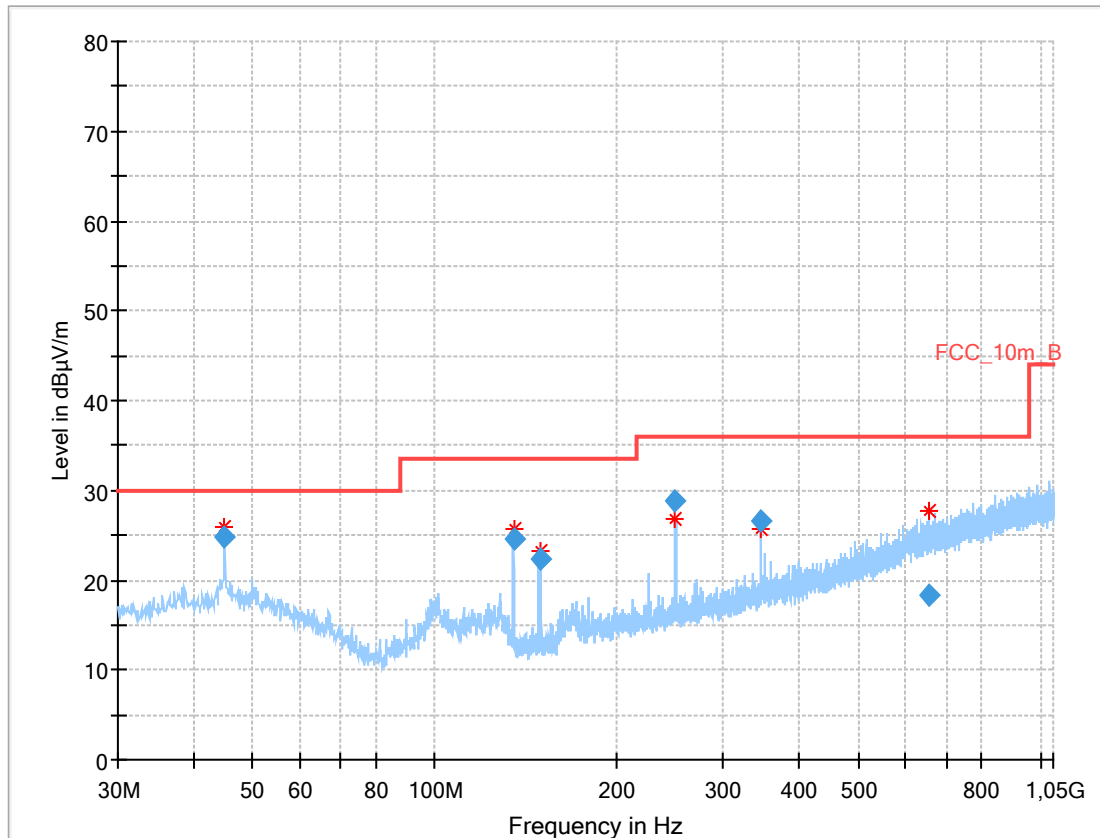
Plot 31: 18 GHz to 26 GHz, 5755 MHz, vertical & horizontal polarization



Plot 32: 26 GHz to 40 GHz, 5755 MHz, vertical & horizontal polarization



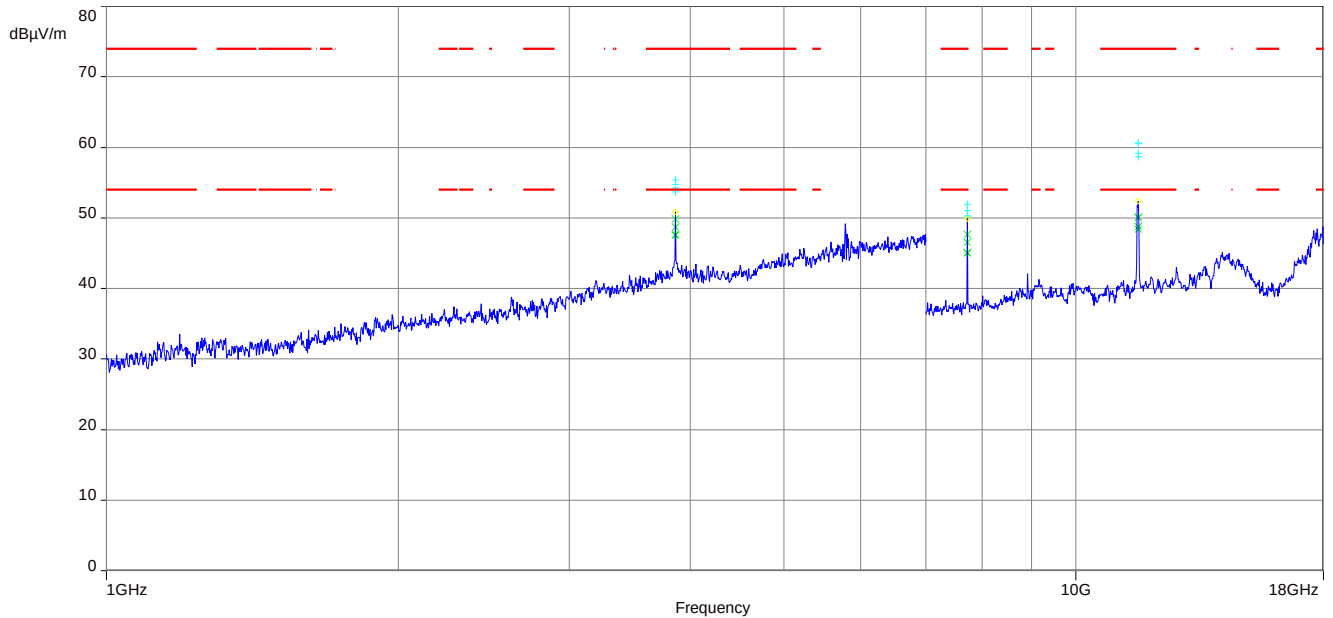
Plot 33: 30 MHz to 1 GHz, 5815 MHz, vertical & horizontal polarization



Final results:

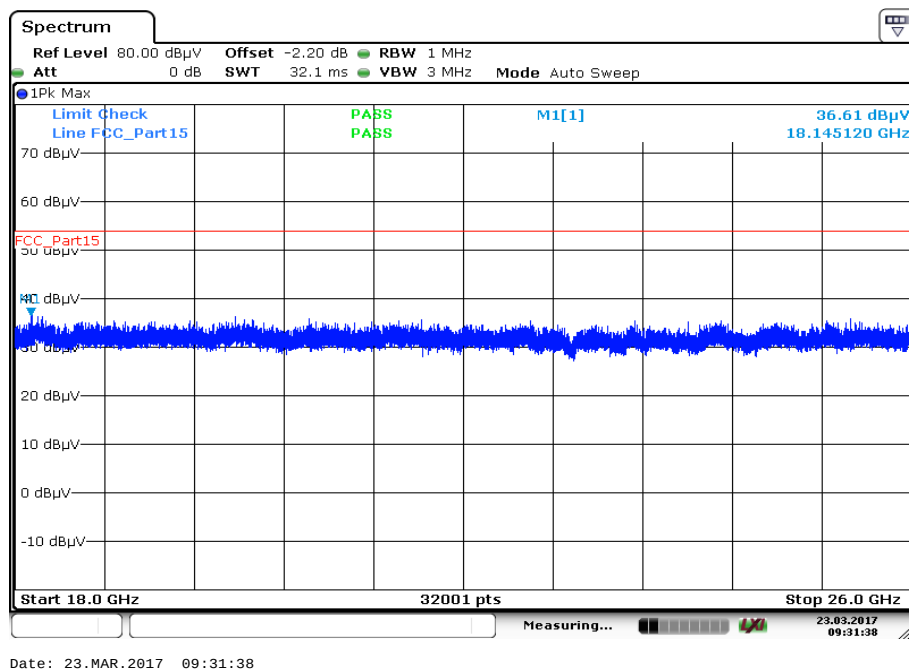
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.994300	24.71	30.00	5.29	1000.0	120.000	98.0	V	54.0	13.6
134.992800	24.64	33.50	8.86	1000.0	120.000	98.0	V	0.0	9.2
149.994300	22.26	33.50	11.24	1000.0	120.000	98.0	V	312.0	9.3
249.992100	28.87	36.00	7.13	1000.0	120.000	98.0	V	209.0	13.4
346.482750	26.70	36.00	9.30	1000.0	120.000	185.0	H	253.0	15.9
654.814800	18.40	36.00	17.60	1000.0	120.000	185.0	V	0.0	21.2

Plot 34: 1 GHz to 18 GHz, 5815 MHz, vertical & horizontal polarization

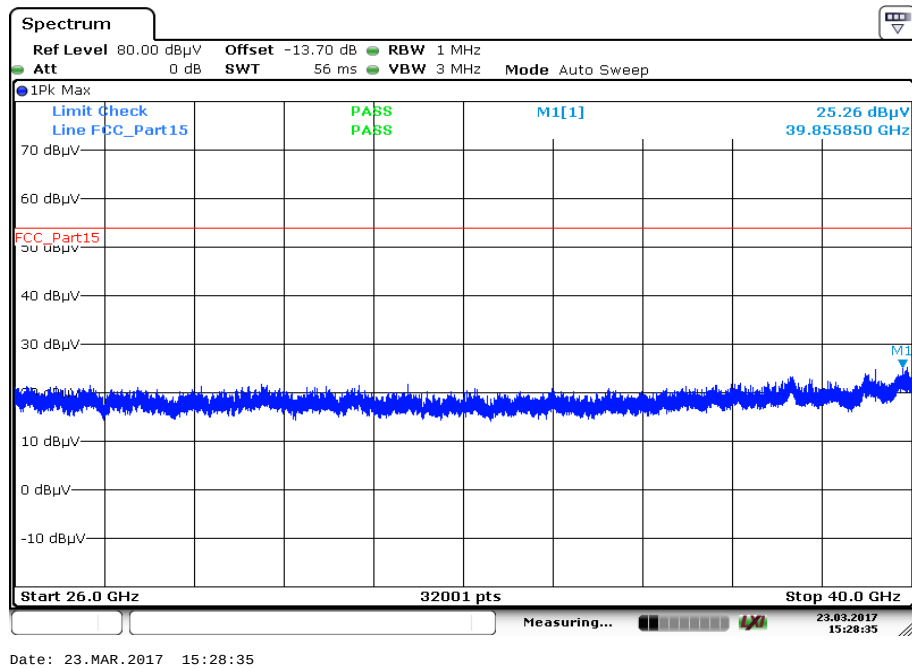


The carrier signal is notched with a band rejection filter.

Plot 35: 18 GHz to 26 GHz, 5815 MHz, vertical & horizontal polarization

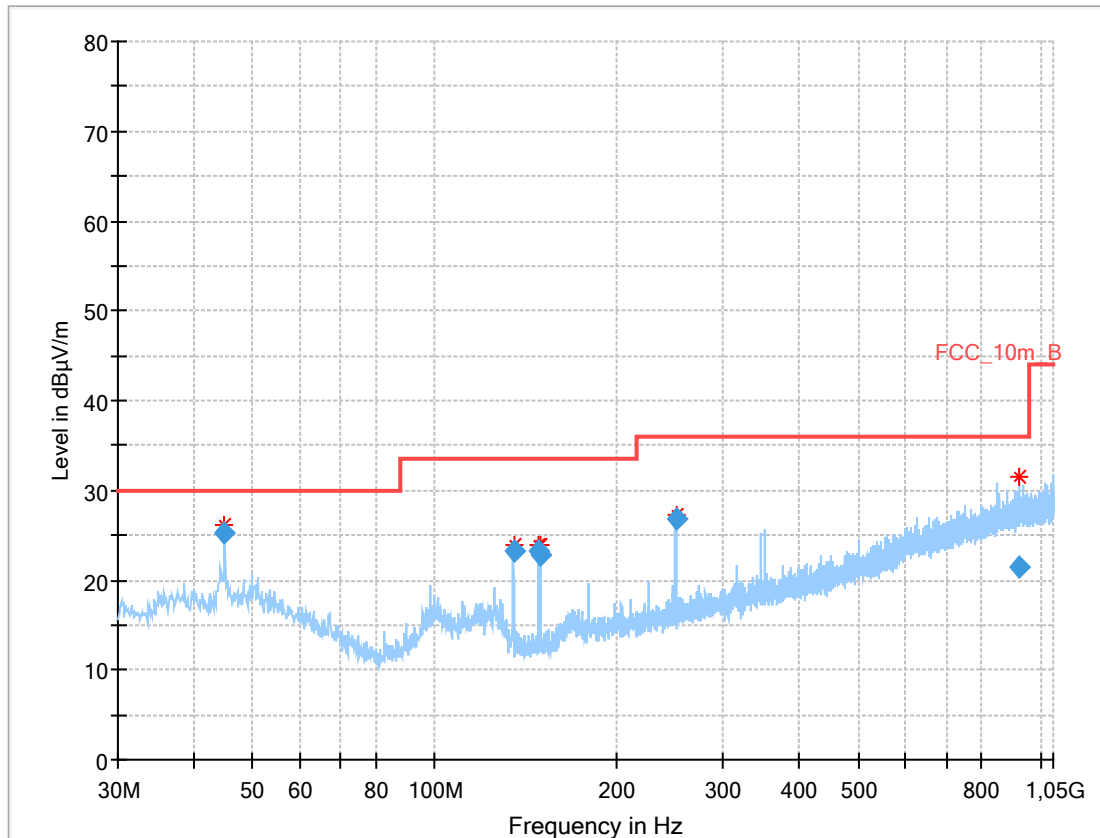


Plot 36: 26 GHz to 40 GHz, 5815 MHz, vertical & horizontal polarization



Plots: OFDM / ac HT80 – mode, ANT X100P001B24553 antenna

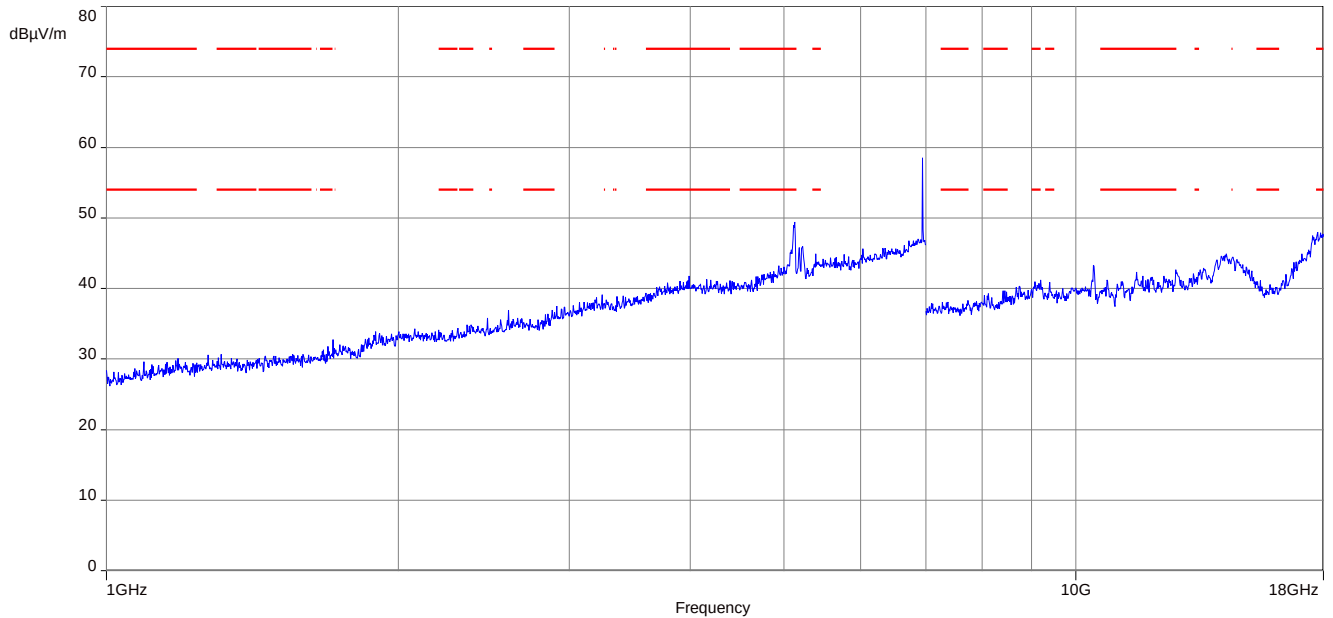
Plot 1: 30 MHz to 1 GHz, 5210 MHz, vertical & horizontal polarization



Final results:

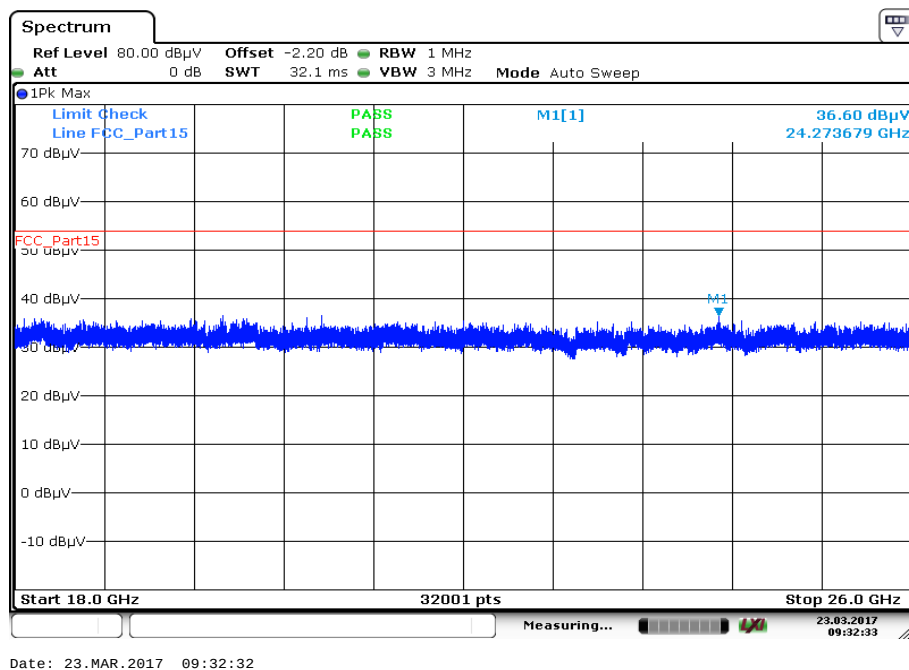
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.000450	25.24	30.00	4.76	1000.0	120.000	98.0	V	194.0	13.6
135.016950	23.25	33.50	10.25	1000.0	120.000	101.0	V	21.0	9.2
148.503300	23.14	33.50	10.36	1000.0	120.000	98.0	V	289.0	9.2
150.011550	22.73	33.50	10.77	1000.0	120.000	98.0	V	296.0	9.3
250.001550	26.83	36.00	9.17	1000.0	120.000	98.0	V	221.0	13.4
920.635050	21.40	36.00	14.60	1000.0	120.000	98.0	V	80.0	24.3

Plot 2: 1 GHz to 18 GHz, 5210 MHz, vertical & horizontal polarization

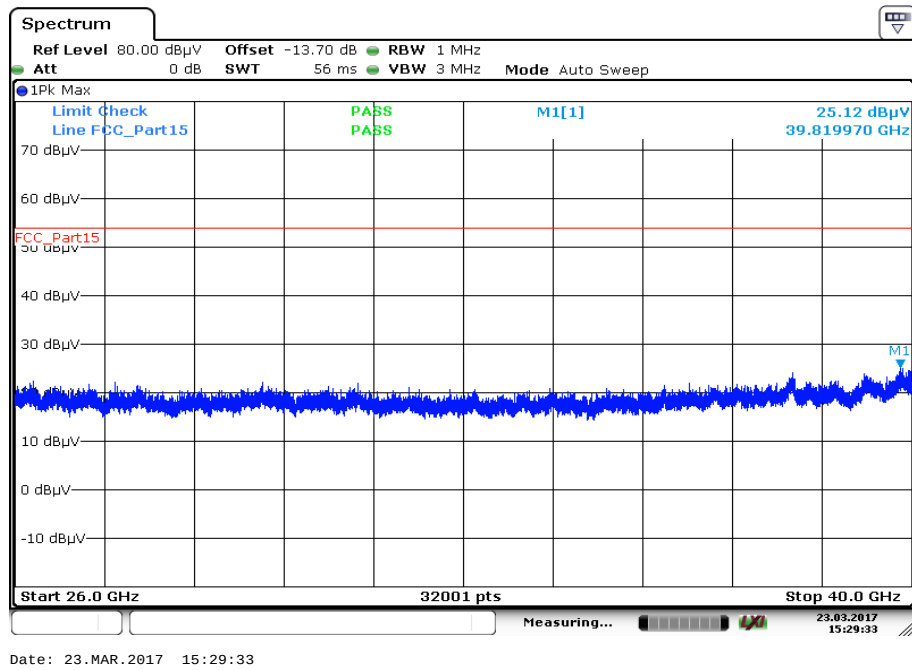


The carrier signal is notched with a band rejection filter.

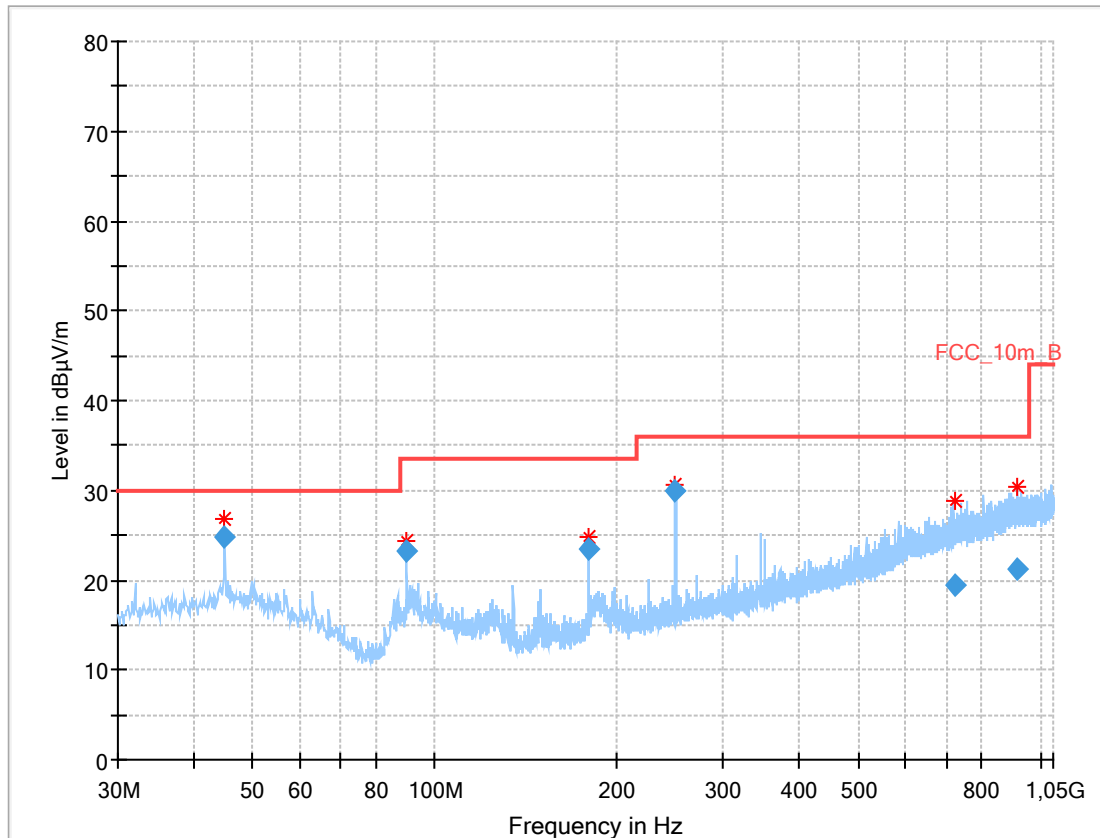
Plot 3: 18 GHz to 26 GHz, 5210 MHz, vertical & horizontal polarization



Plot 4: 26 GHz to 40 GHz, 5210 MHz, vertical & horizontal polarization



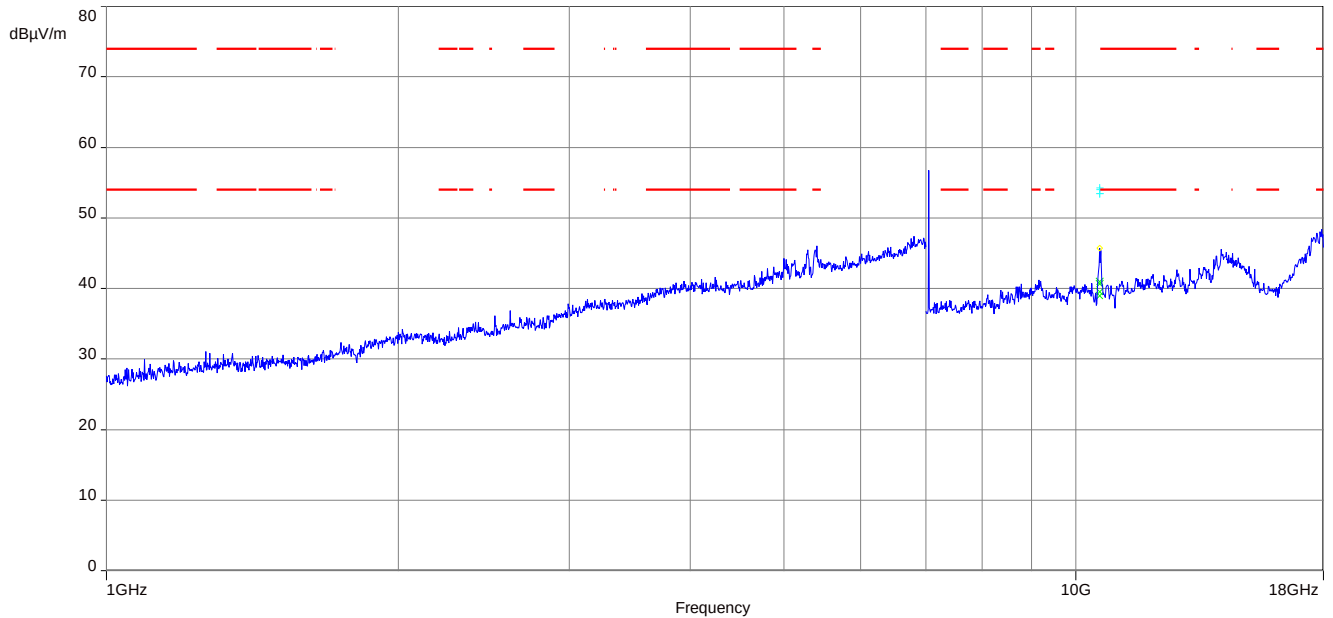
Plot 5: 30 MHz to 1 GHz, 5290 MHz, vertical & horizontal polarization



Final results:

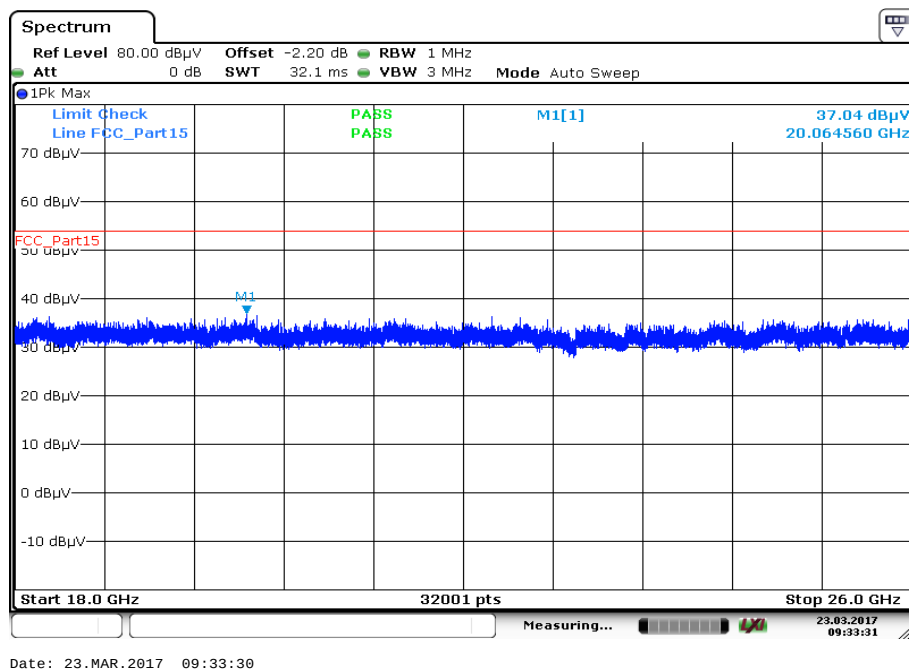
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.985450	24.87	30.00	5.13	1000.0	120.000	101.0	V	53.0	13.6
89.999250	23.25	33.50	10.25	1000.0	120.000	101.0	V	302.0	9.3
180.010800	23.41	33.50	10.09	1000.0	120.000	98.0	V	2.0	10.9
249.989700	29.86	36.00	6.14	1000.0	120.000	98.0	V	188.0	13.4
720.529650	19.34	36.00	16.66	1000.0	120.000	178.0	V	32.0	22.0
914.435400	21.30	36.00	14.70	1000.0	120.000	101.0	H	285.0	24.2

Plot 6: 1 GHz to 18 GHz, 5290 MHz, vertical & horizontal polarization

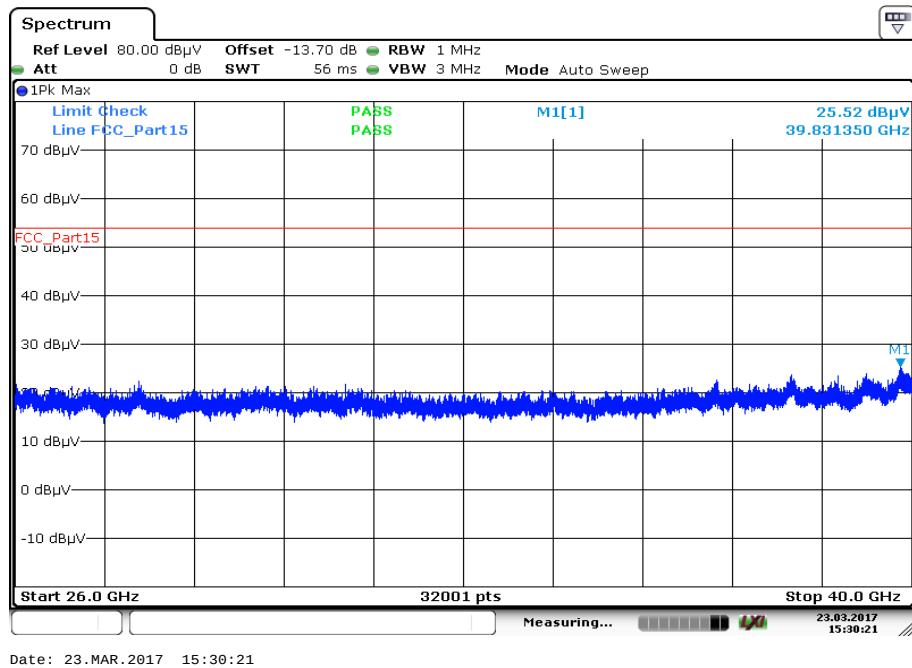


The carrier signal is notched with a band rejection filter.

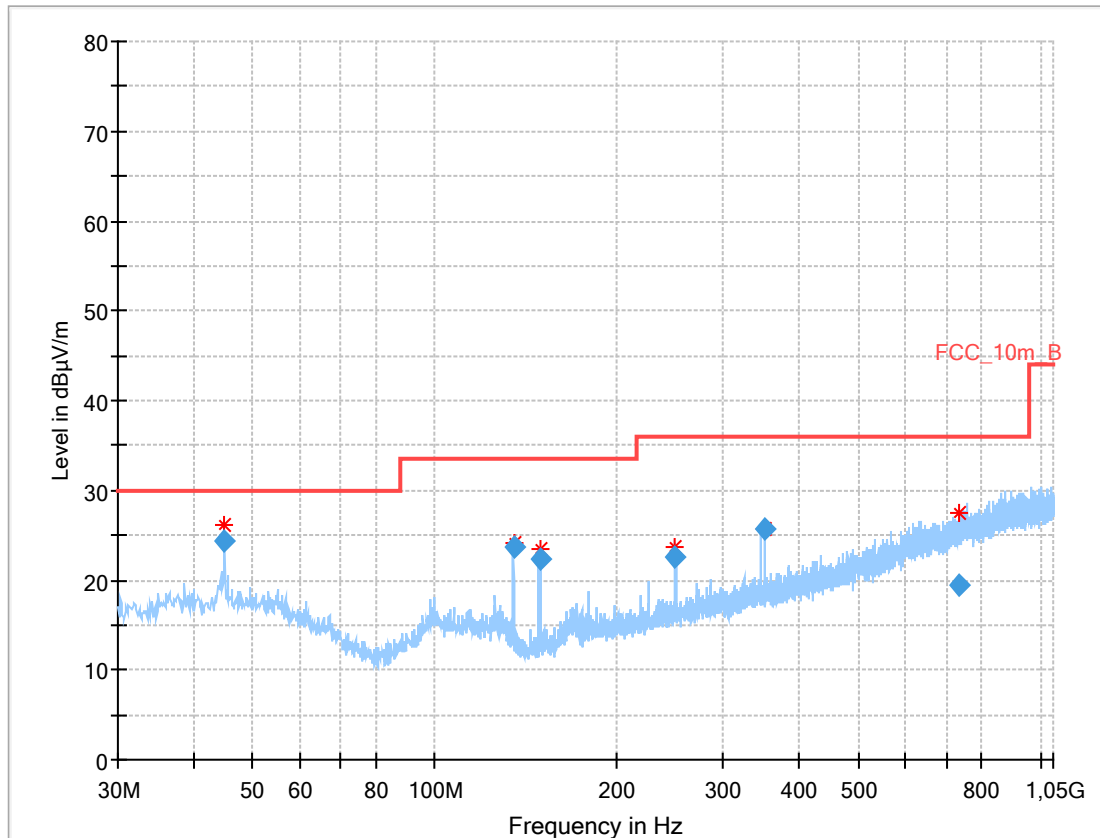
Plot 7: 18 GHz to 26 GHz, 5290 MHz, vertical & horizontal polarization



Plot 8: 26 GHz to 40 GHz, 5290 MHz, vertical & horizontal polarization



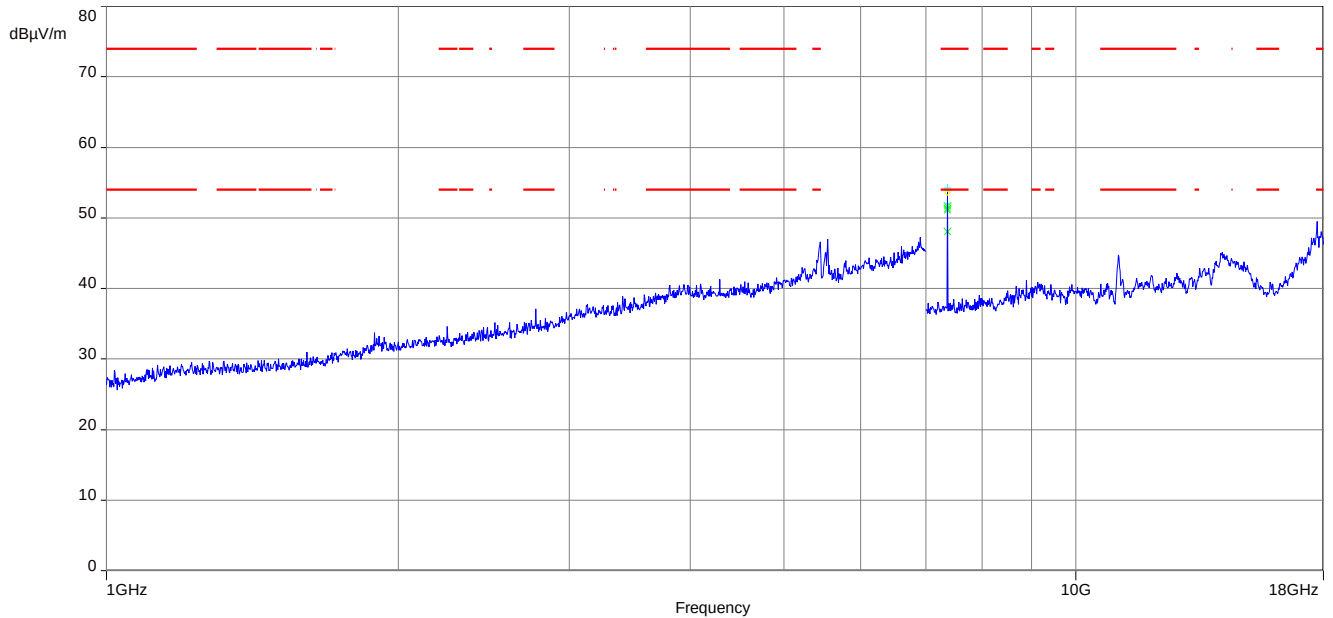
Plot 9: 30 MHz to 1 GHz, 5530 MHz, vertical & horizontal polarization



Final results:

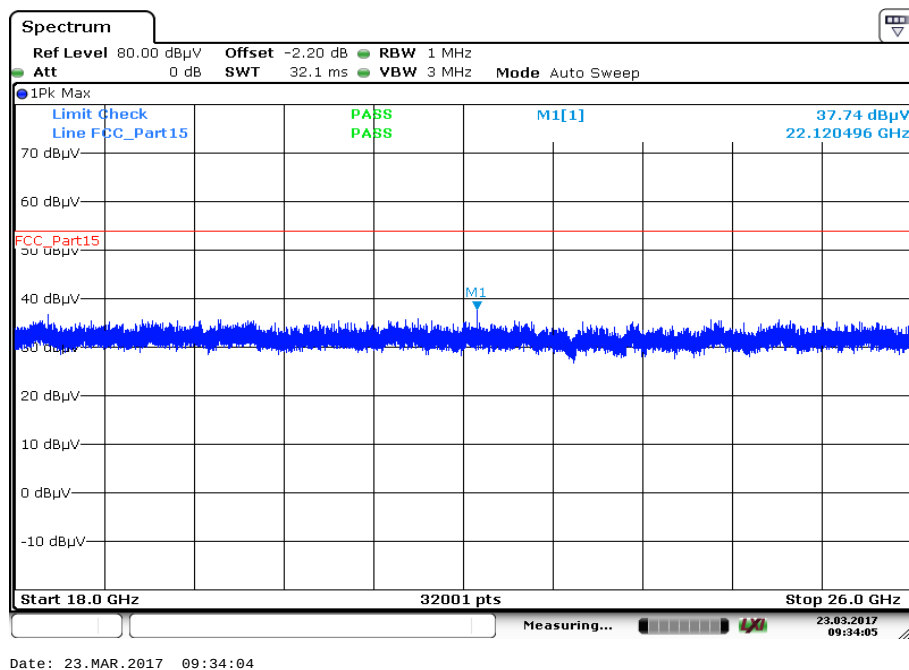
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.017250	24.28	30.00	5.72	1000.0	120.000	98.0	V	235.0	13.6
135.021150	23.68	33.50	9.82	1000.0	120.000	98.0	V	3.0	9.2
150.017550	22.39	33.50	11.11	1000.0	120.000	98.0	V	291.0	9.3
249.996300	22.52	36.00	13.48	1000.0	120.000	98.0	V	207.0	13.4
349.989750	25.78	36.00	10.22	1000.0	120.000	185.0	H	249.0	16.0
731.429100	19.53	36.00	16.47	1000.0	120.000	179.0	H	133.0	22.3

Plot 10: 1 GHz to 18 GHz, 5530 MHz, vertical & horizontal polarization

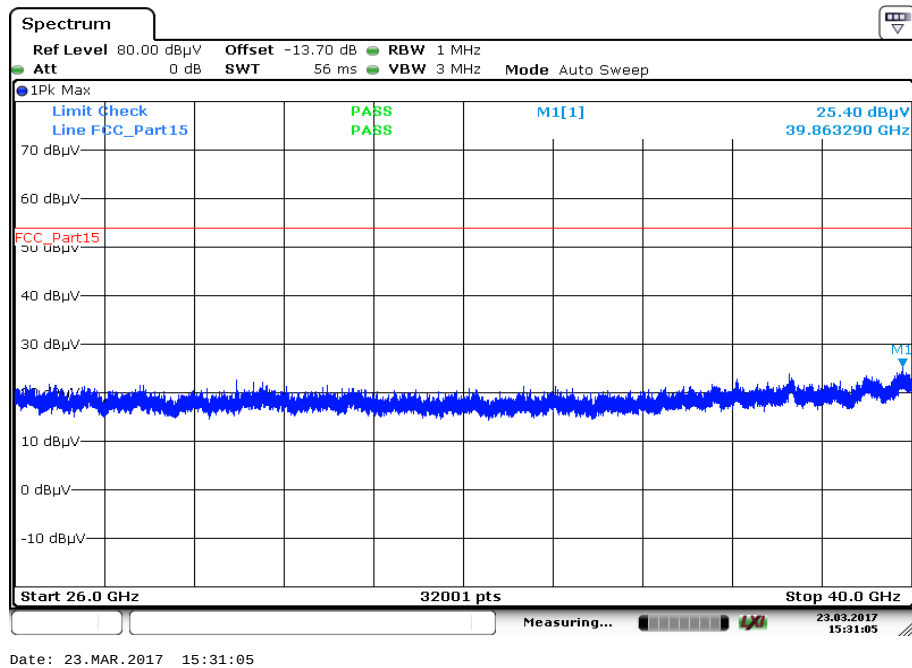


The carrier signal is notched with a band rejection filter.

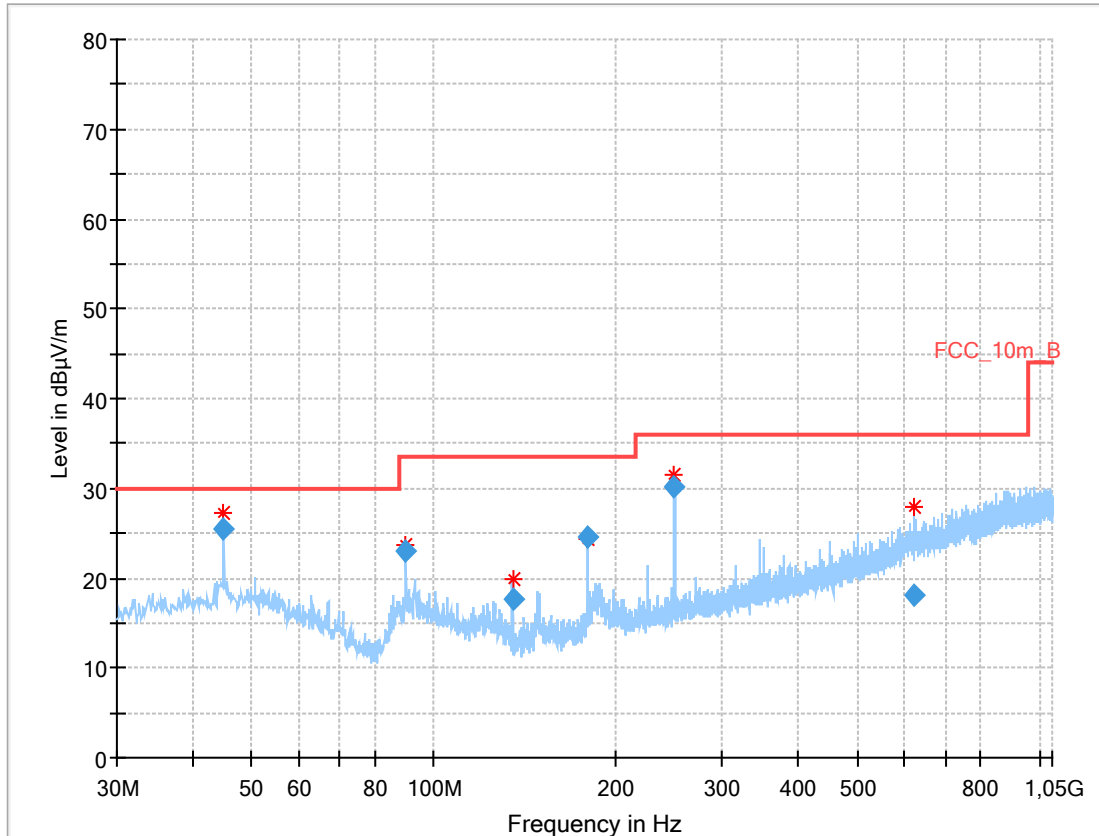
Plot 11: 18 GHz to 26 GHz, 5530 MHz, vertical & horizontal polarization



Plot 12: 26 GHz to 40 GHz, 5530 MHz, vertical & horizontal polarization



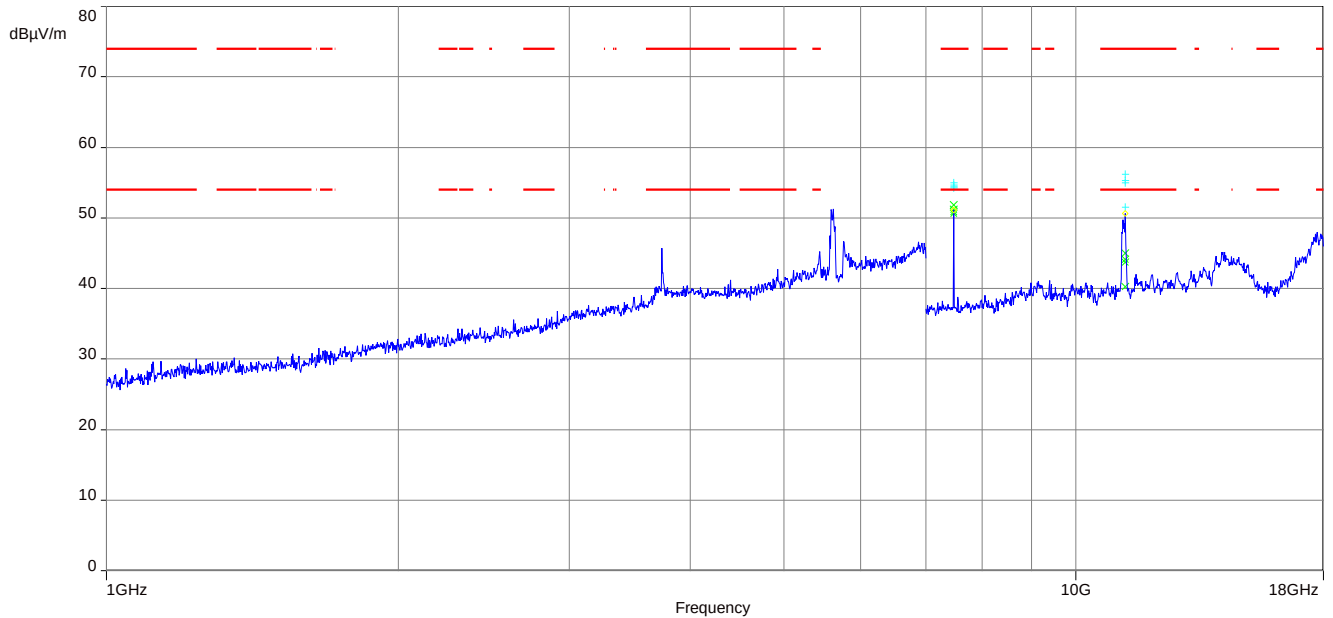
Plot 13: 30 MHz to 1 GHz, 5610 MHz, vertical & horizontal polarization



Final results:

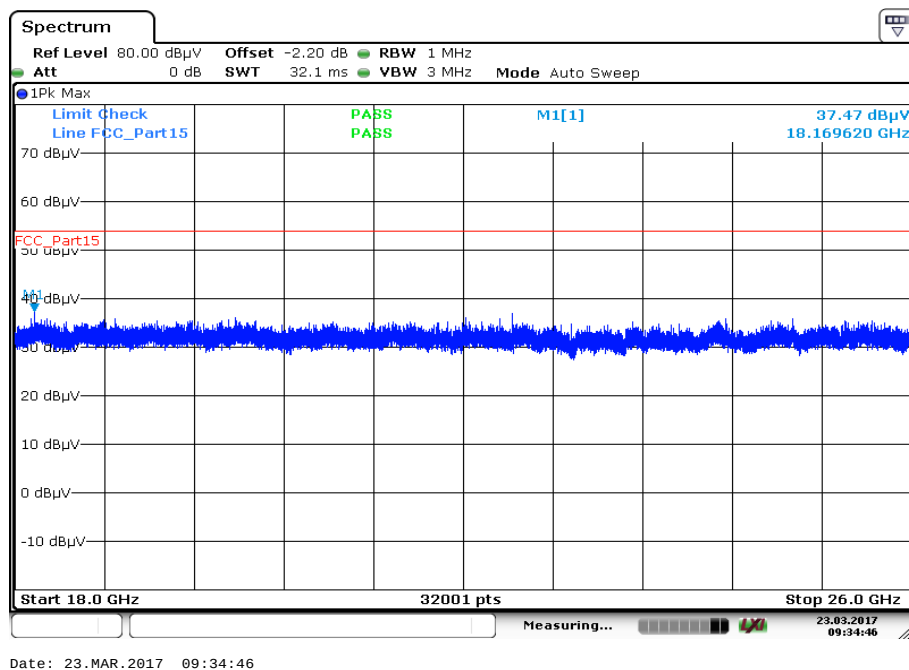
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.986950	25.48	30.00	4.52	1000.0	120.000	98.0	V	353.0	13.6
89.995500	22.98	33.50	10.52	1000.0	120.000	98.0	V	11.0	9.3
134.987400	17.58	33.50	15.92	1000.0	120.000	101.0	V	318.0	9.2
180.010500	24.51	33.50	8.99	1000.0	120.000	98.0	V	39.0	10.9
249.980700	30.18	36.00	5.82	1000.0	120.000	98.0	V	155.0	13.4
622.172250	18.05	36.00	17.95	1000.0	120.000	98.0	H	345.0	20.9

Plot 14: 1 GHz to 18 GHz, 5610 MHz, vertical & horizontal polarization

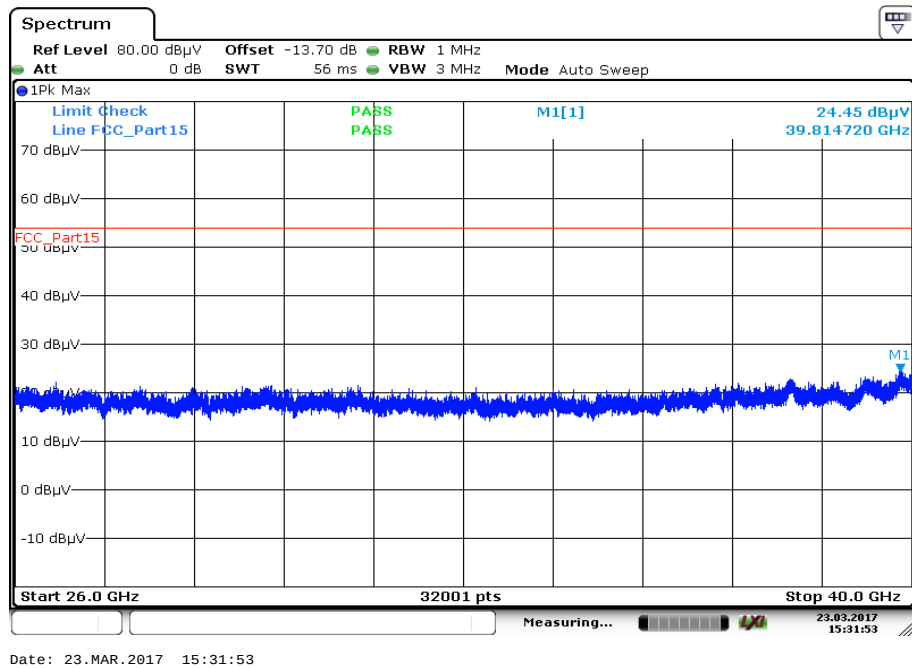


The carrier signal is notched with a band rejection filter.

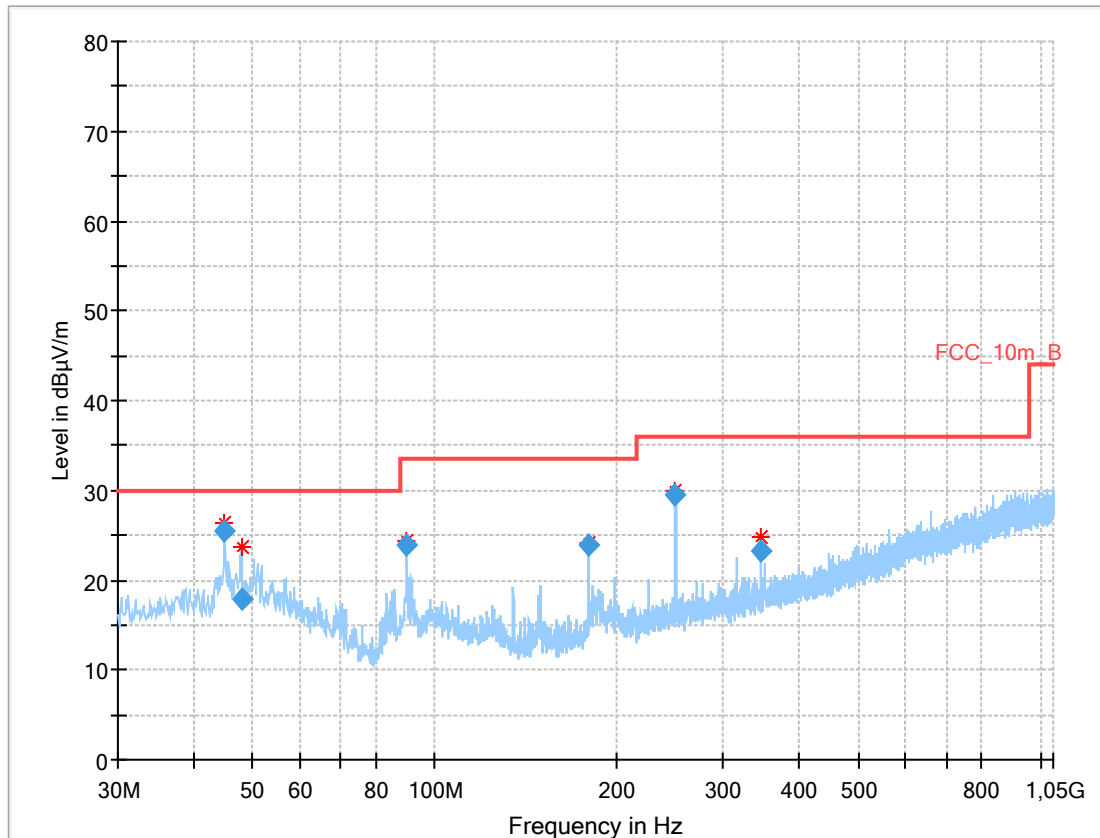
Plot 15: 18 GHz to 26 GHz, 5610 MHz, vertical & horizontal polarization



Plot 16: 26 GHz to 40 GHz, 5610 MHz, vertical & horizontal polarization



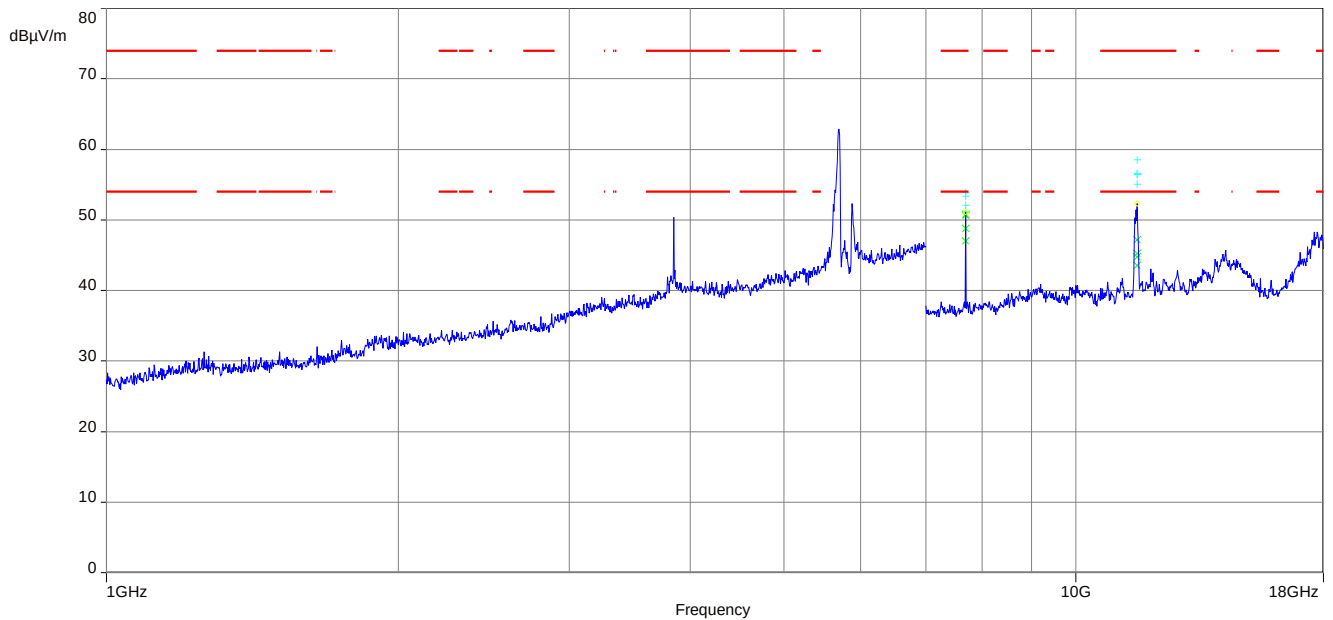
Plot 17: 30 MHz to 1 GHz, 5775 MHz, vertical & horizontal polarization



Final results:

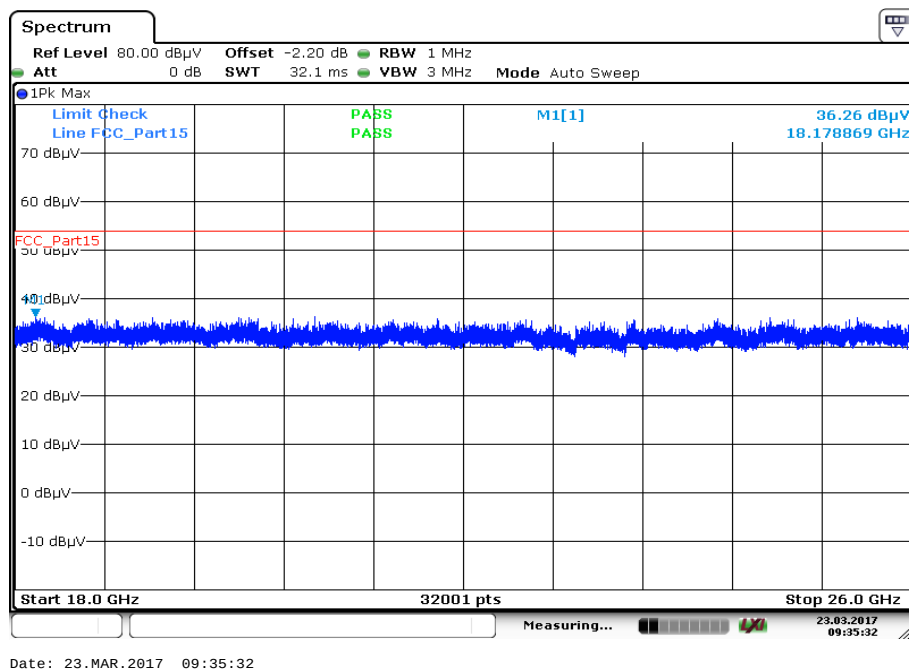
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.986800	25.37	30.00	4.63	1000.0	120.000	98.0	V	260.0	13.6
47.977350	17.94	30.00	12.06	1000.0	120.000	170.0	V	-10.0	13.7
90.014400	23.83	33.50	9.67	1000.0	120.000	98.0	V	10.0	9.4
180.009450	23.83	33.50	9.67	1000.0	120.000	98.0	V	10.0	10.9
250.000500	29.58	36.00	6.42	1000.0	120.000	98.0	V	100.0	13.4
346.495350	23.28	36.00	12.72	1000.0	120.000	98.0	V	280.0	15.9

Plot 18: 1 GHz to 18 GHz, 5775 MHz, vertical & horizontal polarization

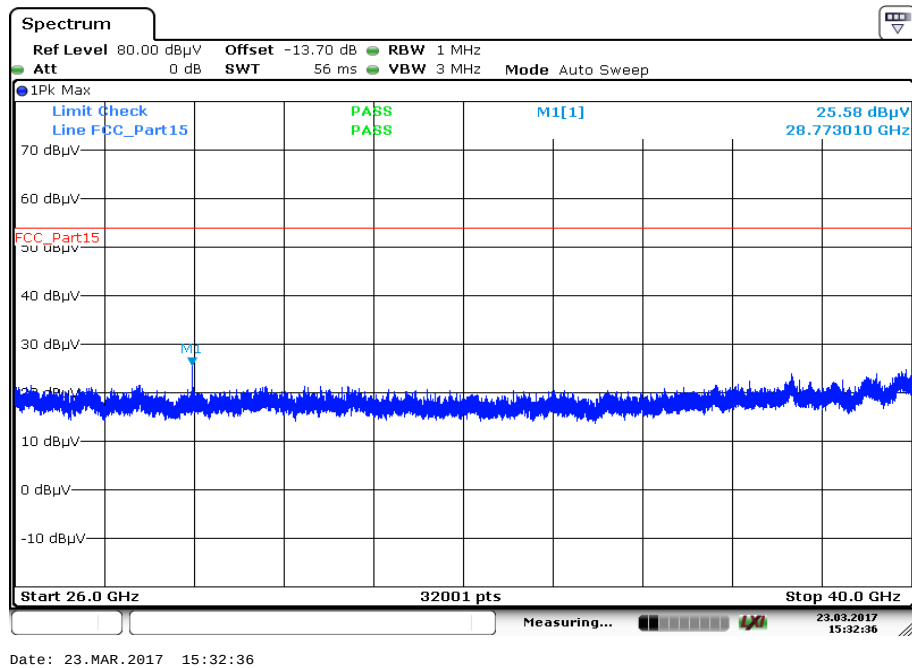


The carrier signal is notched with a band rejection filter.

Plot 19: 18 GHz to 26 GHz, 5775 MHz, vertical & horizontal polarization



Plot 20: 26 GHz to 40 GHz, 5775 MHz, vertical & horizontal polarization



Results: OFDM (20 MHz bandwidth), ANT-DB1-RAF-xxx antenna

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5180 MHz			5240 MHz			5260 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
	Peak			Peak			Peak	
	AVG			AVG			AVG	
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5320 MHz			5500 MHz			5600 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
10639	Peak	63.5	7333	Peak	55.4	7466	Peak	56.6
	AVG	53.1		AVG	52.3		AVG	53.5
	Peak		11000	Peak	63.9	11199	Peak	63.1
	AVG			AVG	53.3		AVG	52.5
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5700 MHz			5745 MHz			5785 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
7600	Peak	51.6	7660	Peak	52.6	7713	Peak	50.2
	AVG	47.7		AVG	49.4		AVG	45.3
11399	Peak	61.2	11486	Peak	61.2	11569	Peak	60.9
	AVG	50.9		AVG	49.8		AVG	50.5
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5825 MHz								
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
11649	Peak	60.9		Peak			Peak	
	AVG	50.6		AVG			AVG	
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

Results: OFDM (40 MHz bandwidth), ANT-DB1-RAF-xxx antenna

TX Spurious Emissions Radiated [dBμV/m] / dBm								
5190 MHz			5230 MHz			5270 MHz		
F [MHz]	Detector	Level [dBμV/m]	F [MHz]	Detector	Level [dBμV/m]	F [MHz]	Detector	Level [dBμV/m]
	Peak			Peak			Peak	
	AVG			AVG			AVG	
	Peak			Peak			Peak	
	AVG			AVG			AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBμV/m] / dBm								
5310 MHz			5510 MHz			5590 MHz		
F [MHz]	Detector	Level [dBμV/m]	F [MHz]	Detector	Level [dBμV/m]	F [MHz]	Detector	Level [dBμV/m]
10621	Peak	58.3	7346	Peak	55.3	7453	Peak	57.1
	AVG	47.2		AVG	51.2		AVG	53.9
	Peak		11019	Peak	64.7	11179	Peak	62.6
	AVG			AVG	53.97		AVG	52.9
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBμV/m] / dBm								
5670 MHz			5755 MHz			5795 MHz		
F [MHz]	Detector	Level [dBμV/m]	F [MHz]	Detector	Level [dBμV/m]	F [MHz]	Detector	Level [dBμV/m]
7560	Peak	54.9	7673	Peak	51.7	3863	Peak	56.2
	AVG	52.0		AVG	47.7		AVG	51.1
11338	Peak	61.5	11511	Peak	61.2	11591	Peak	59.1
	AVG	50.6		AVG	51.1		AVG	48.8
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

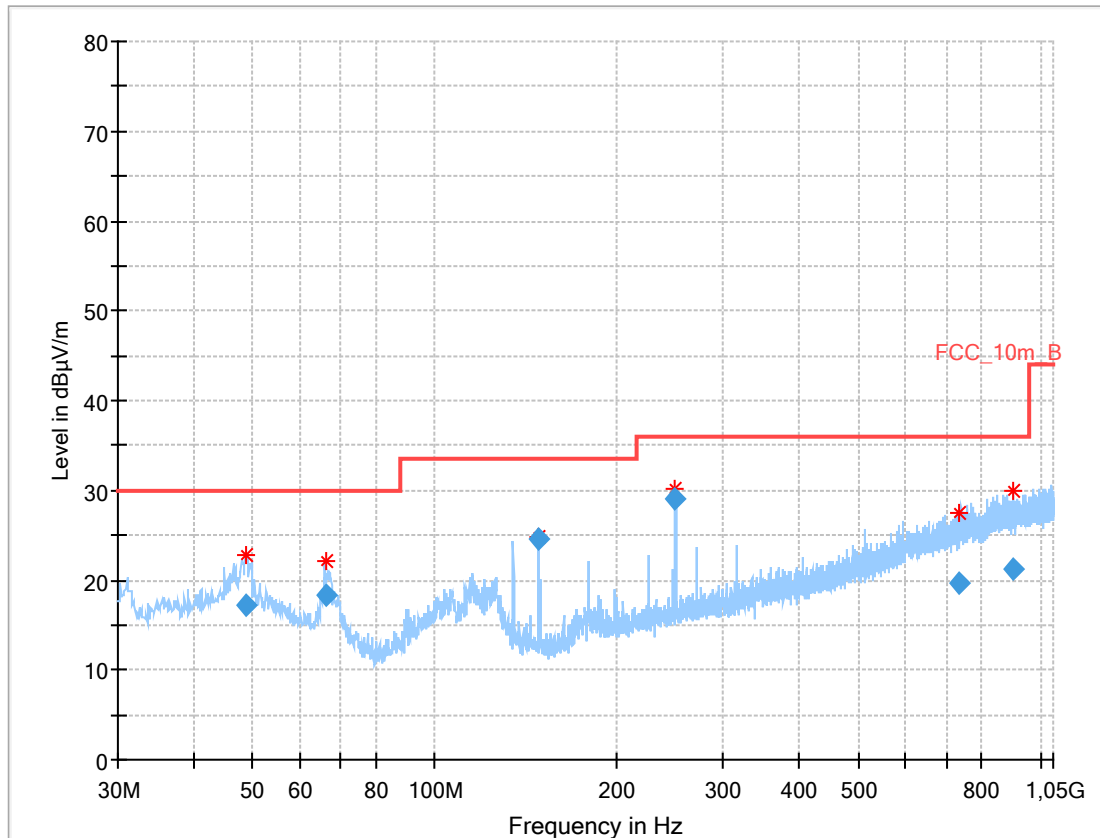
Results: OFDM (80 MHz bandwidth), ANT-DB1-RAF-xxx antenna

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5210 MHz			5290 MHz			5530 MHz		
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
	Peak			Peak		7373	Peak	52.7
	AVG			AVG			AVG	49.7
	Peak			Peak		11081	Peak	51.7
	AVG			AVG			AVG	41.0
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

TX Spurious Emissions Radiated [dBµV/m] / dBm								
5610 MHz			5775 MHz					
F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]	F [MHz]	Detector	Level [dBµV/m]
5442	Peak	61.4	3850	Peak	55.7		Peak	
	AVG	47.4		AVG	50.5		AVG	
11179	Peak	59.6	11568	Peak	57.4		Peak	
	AVG	47.6		AVG	46.1		AVG	
For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.			For emissions above 18 GHz please take look at the plots.		

Plots: OFDM / 20 MHz bandwidth, ANT-DB1-RAF-xxx antenna

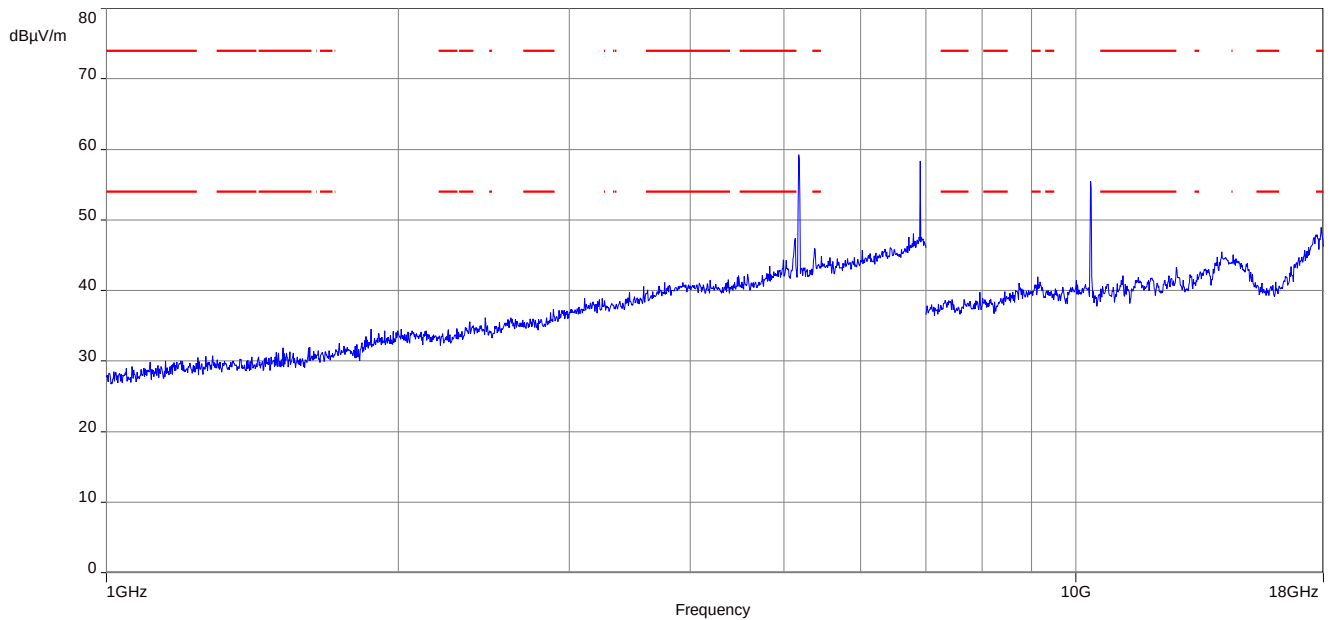
Plot 1: 30 MHz to 1 GHz, 5180 MHz, vertical & horizontal polarization



Final results:

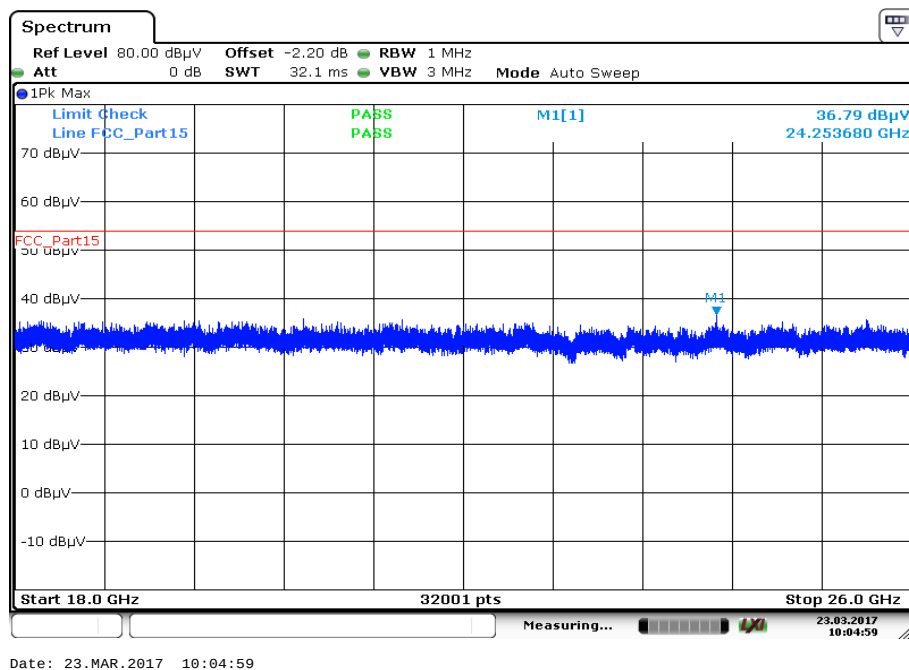
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
49.020600	17.17	30.00	12.83	1000.0	120.000	98.0	V	353.0	13.7
66.238800	18.29	30.00	11.71	1000.0	120.000	179.0	V	9.0	10.5
148.485900	24.60	33.50	8.90	1000.0	120.000	98.0	V	0.0	9.2
249.995100	29.16	36.00	6.84	1000.0	120.000	98.0	V	104.0	13.4
734.779800	19.67	36.00	16.33	1000.0	120.000	185.0	V	346.0	22.4
903.538950	21.30	36.00	14.70	1000.0	120.000	98.0	H	128.0	24.2

Plot 2: 1 GHz to 18 GHz, 5180 MHz, vertical & horizontal polarization

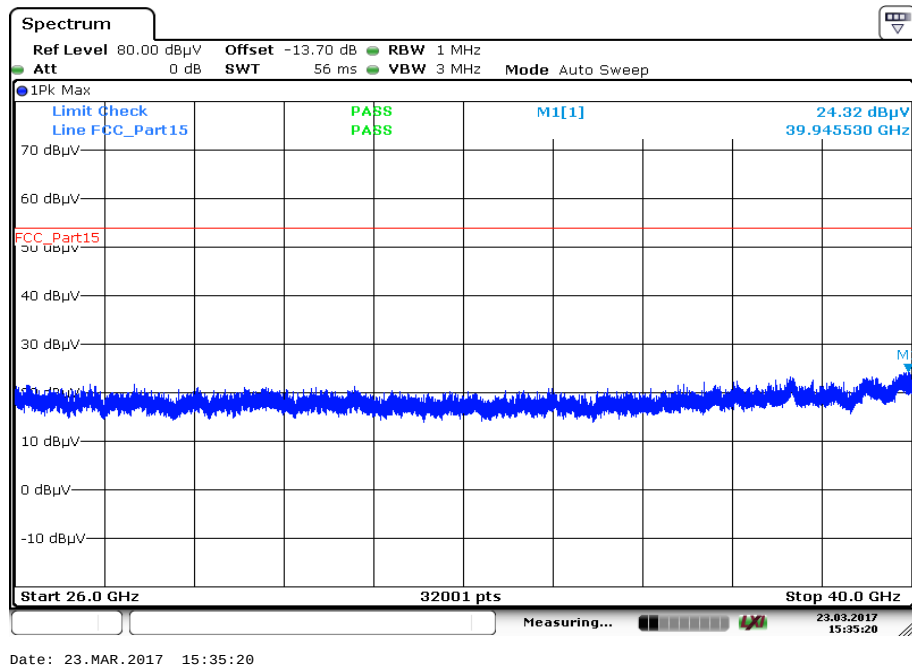


The carrier signal is notched with a band rejection filter.

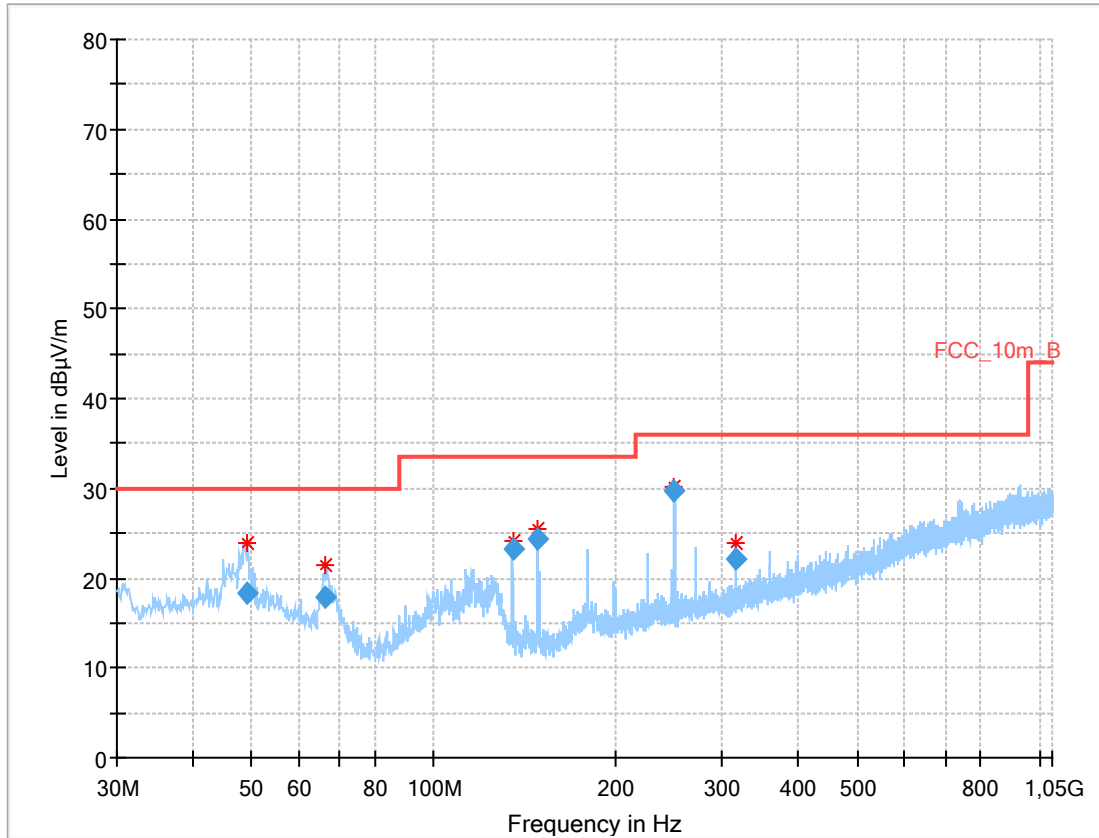
Plot 3: 18 GHz to 26 GHz, 5180 MHz, vertical & horizontal polarization



Plot 4: 26 GHz to 40 GHz, 5180 MHz, vertical & horizontal polarization



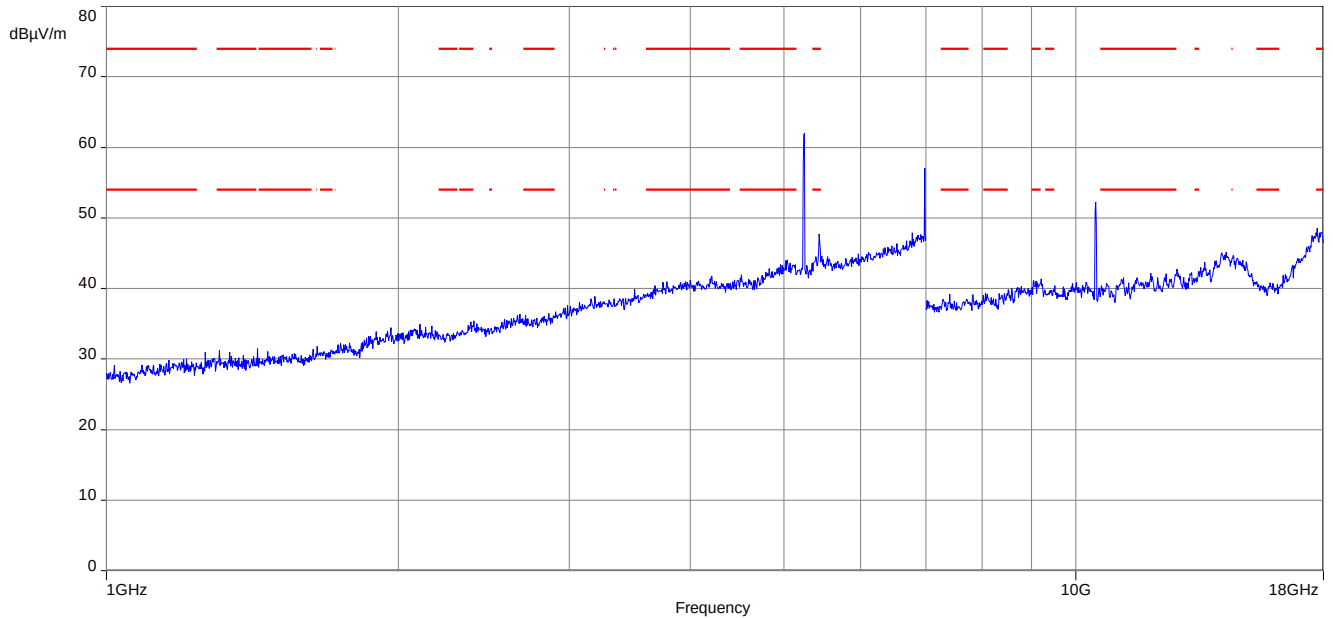
Plot 5: 30 MHz to 1 GHz, 5240 MHz, vertical & horizontal polarization



Final results:

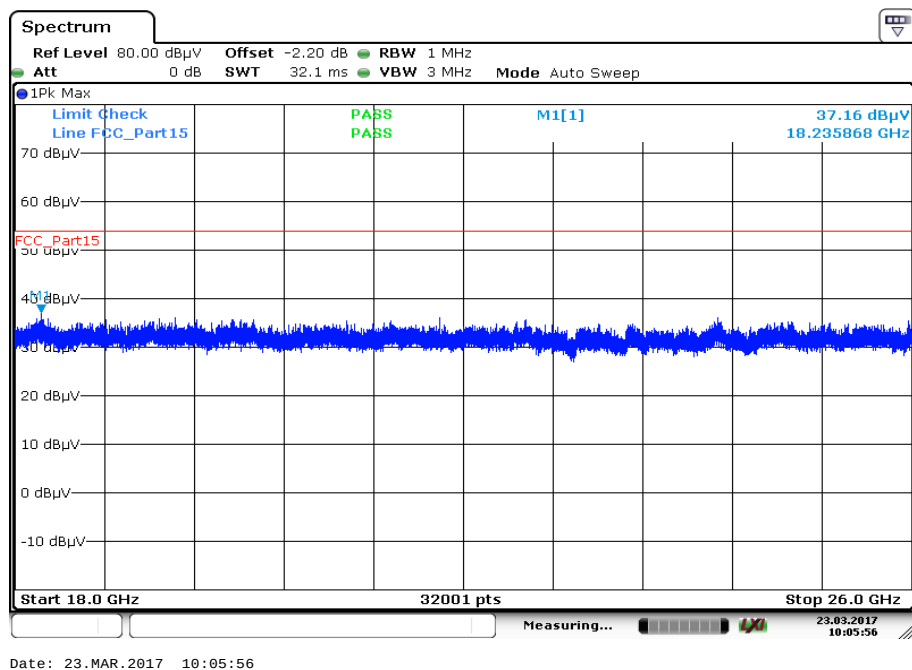
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
49.159200	18.43	30.00	11.57	1000.0	120.000	98.0	V	146.0	13.7
66.259650	17.92	30.00	12.08	1000.0	120.000	185.0	V	21.0	10.5
134.993700	23.13	33.50	10.37	1000.0	120.000	101.0	V	53.0	9.2
148.505850	24.41	33.50	9.09	1000.0	120.000	98.0	V	13.0	9.2
249.971250	29.72	36.00	6.28	1000.0	120.000	98.0	V	0.0	13.4
315.008850	22.10	36.00	13.90	1000.0	120.000	98.0	V	325.0	14.9

Plot 6: 1 GHz to 18 GHz, 5240 MHz, vertical & horizontal polarization

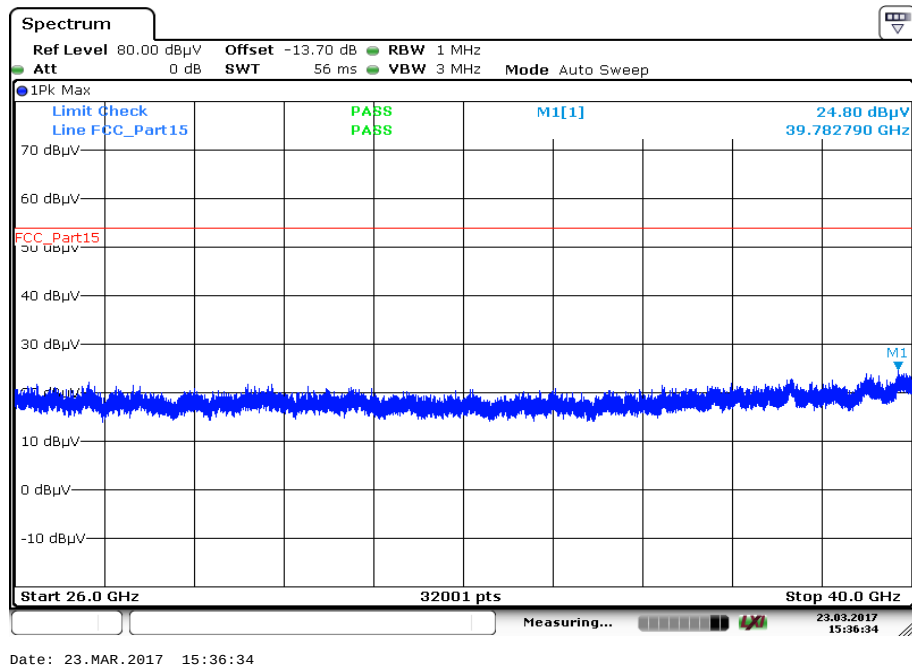


The carrier signal is notched with a band rejection filter.

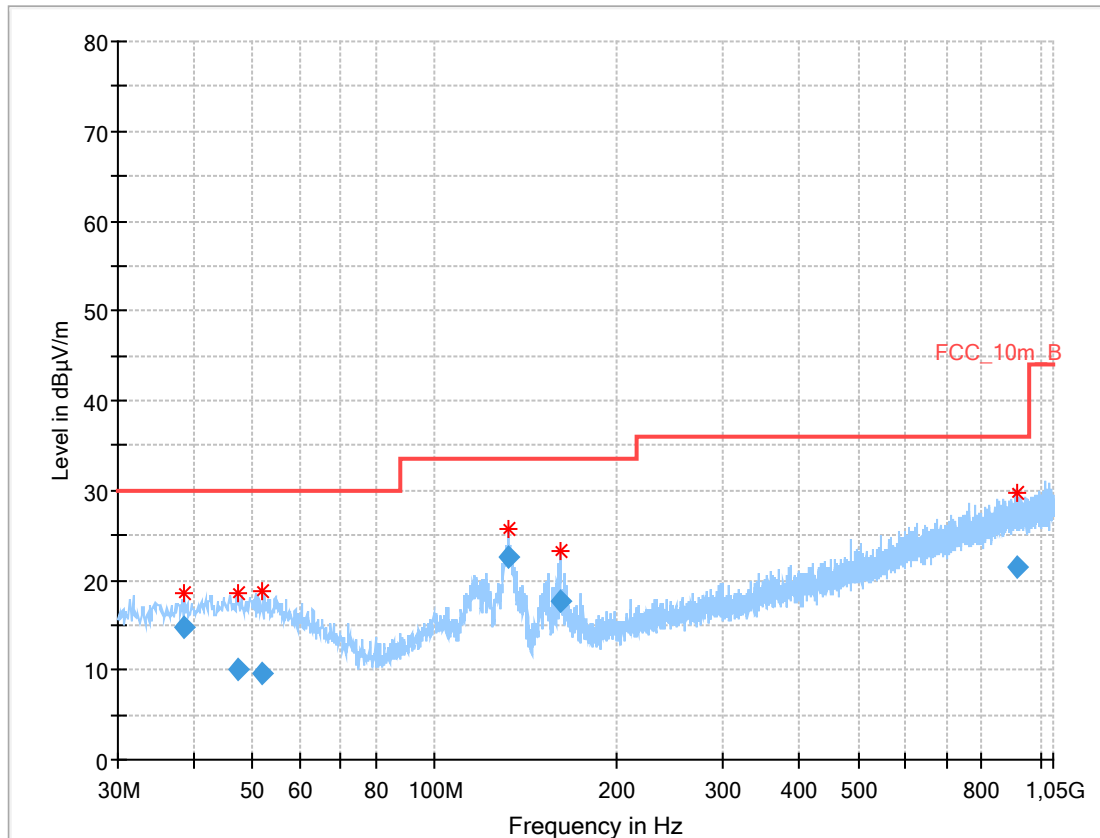
Plot 7: 18 GHz to 26 GHz, 5240 MHz, vertical & horizontal polarization



Plot 8: 26 GHz to 40 GHz, 5240 MHz, vertical & horizontal polarization



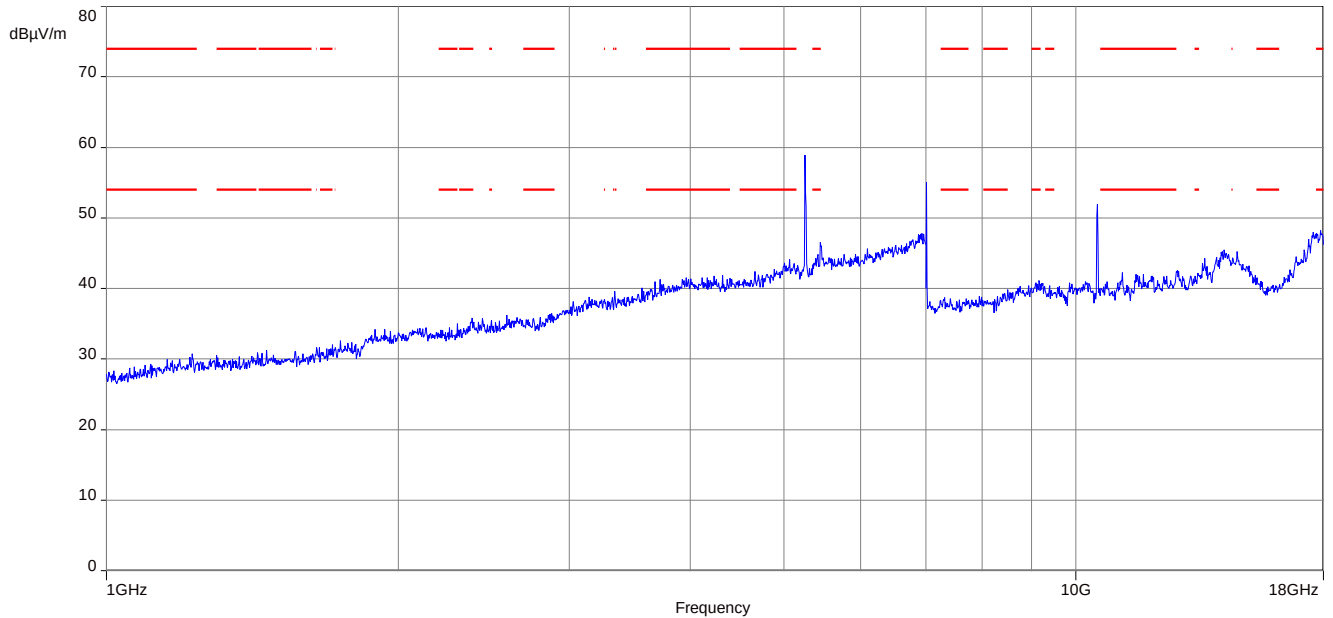
Plot 9: 30 MHz to 1 GHz, 5260 MHz, vertical & horizontal polarization



Final results:

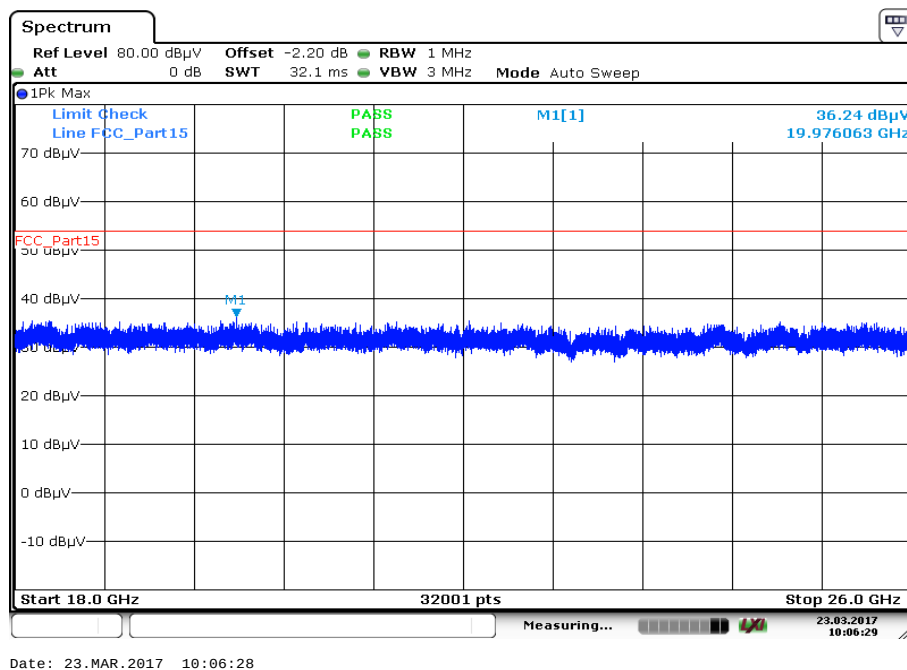
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.694900	14.78	30.00	15.22	1000.0	120.000	170.0	V	172.0	13.1
47.331450	10.16	30.00	19.84	1000.0	120.000	101.0	V	170.0	13.7
52.074150	9.66	30.00	20.34	1000.0	120.000	170.0	H	10.0	13.5
131.962650	22.58	33.50	10.92	1000.0	120.000	101.0	V	100.0	9.4
161.339100	17.74	33.50	15.76	1000.0	120.000	100.0	V	81.0	9.8
914.689050	21.36	36.00	14.64	1000.0	120.000	170.0	V	80.0	24.2

Plot 10: 1 GHz to 18 GHz, 5260 MHz, vertical & horizontal polarization

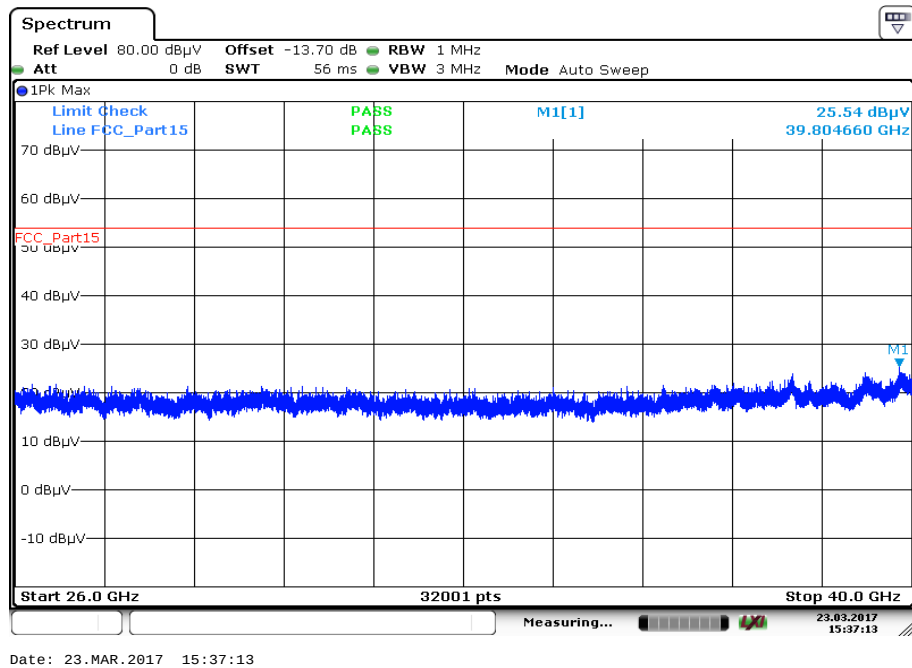


The carrier signal is notched with a band rejection filter.

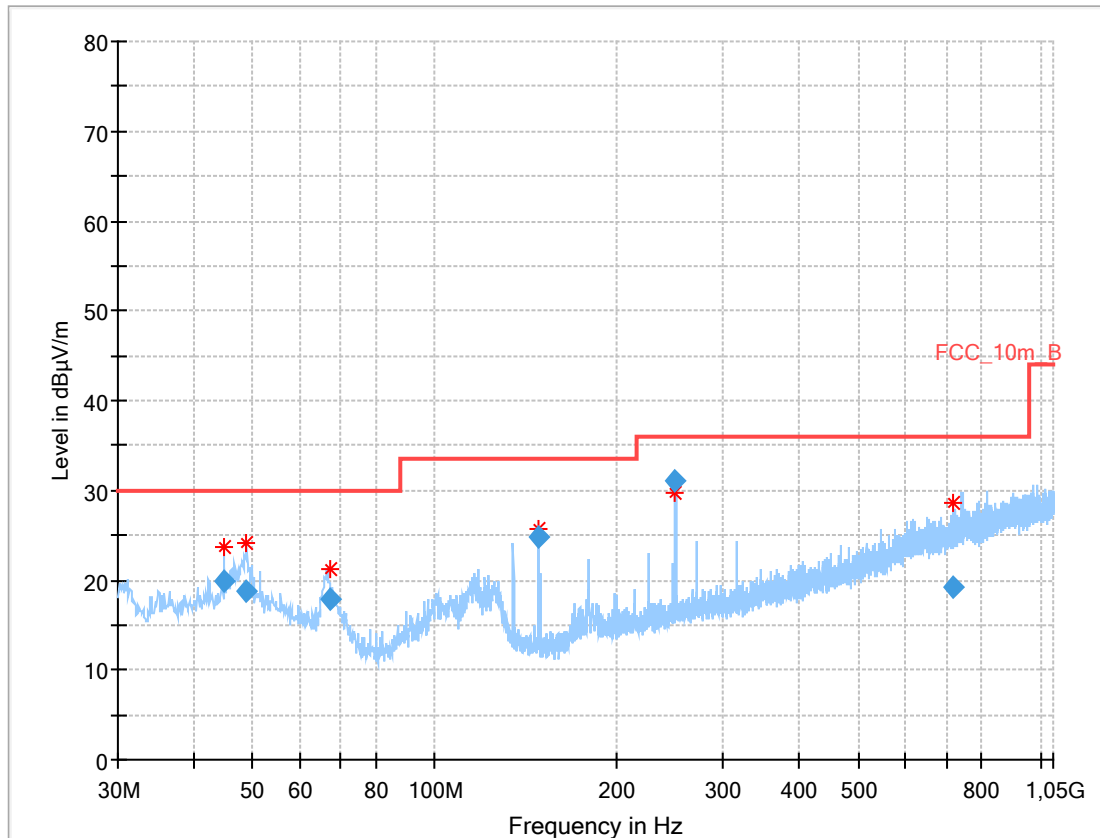
Plot 11: 18 GHz to 26 GHz, 5260 MHz, vertical & horizontal polarization



Plot 12: 26 GHz to 40 GHz, 5260 MHz, vertical & horizontal polarization



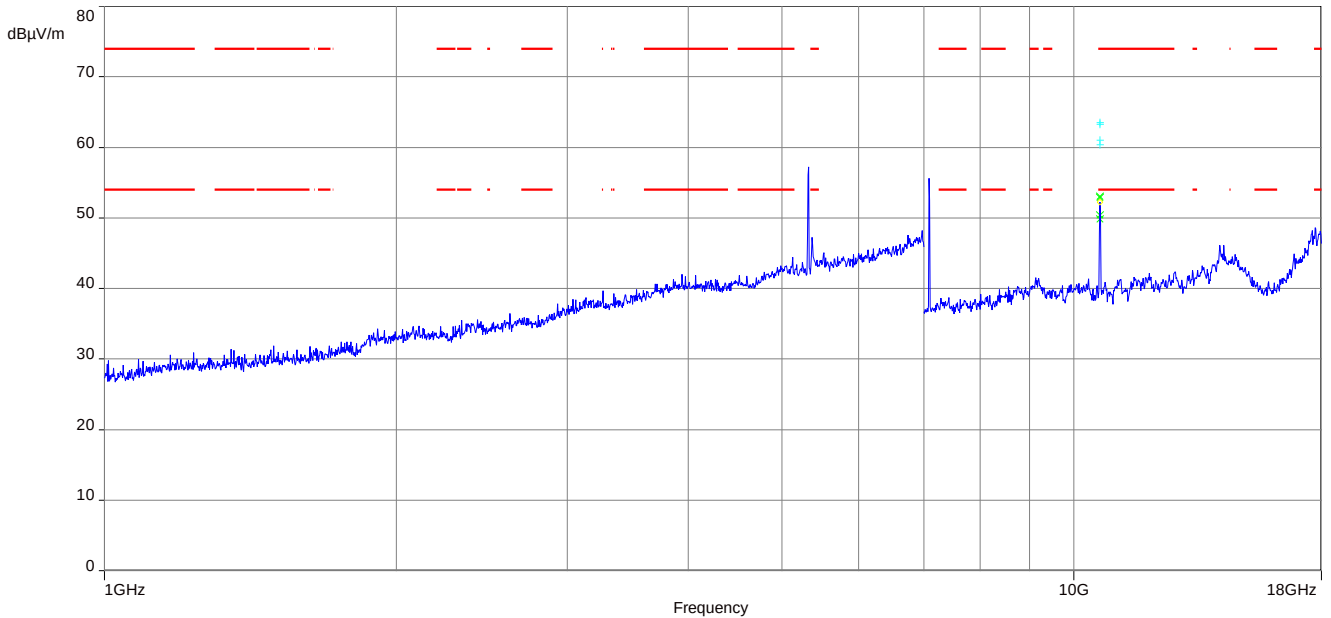
Plot 13: 30 MHz to 1 GHz, 5320 MHz, vertical & horizontal polarization



Final results:

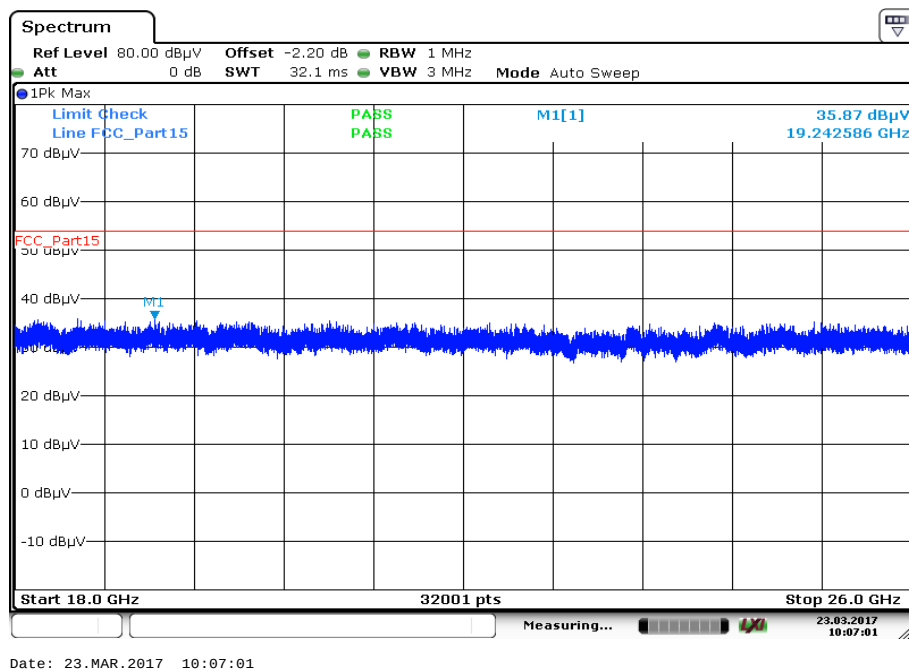
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.998650	19.98	30.00	10.02	1000.0	120.000	98.0	V	82.0	13.6
48.760950	18.69	30.00	11.31	1000.0	120.000	98.0	V	180.0	13.7
67.053300	17.79	30.00	12.21	1000.0	120.000	179.0	V	89.0	10.3
148.501500	24.84	33.50	8.66	1000.0	120.000	98.0	V	7.0	9.2
249.995550	31.17	36.00	4.83	1000.0	120.000	98.0	V	0.0	13.4
716.545950	19.22	36.00	16.78	1000.0	120.000	185.0	V	169.0	21.9

Plot 14: 1 GHz to 18 GHz, 5320 MHz, vertical & horizontal polarization

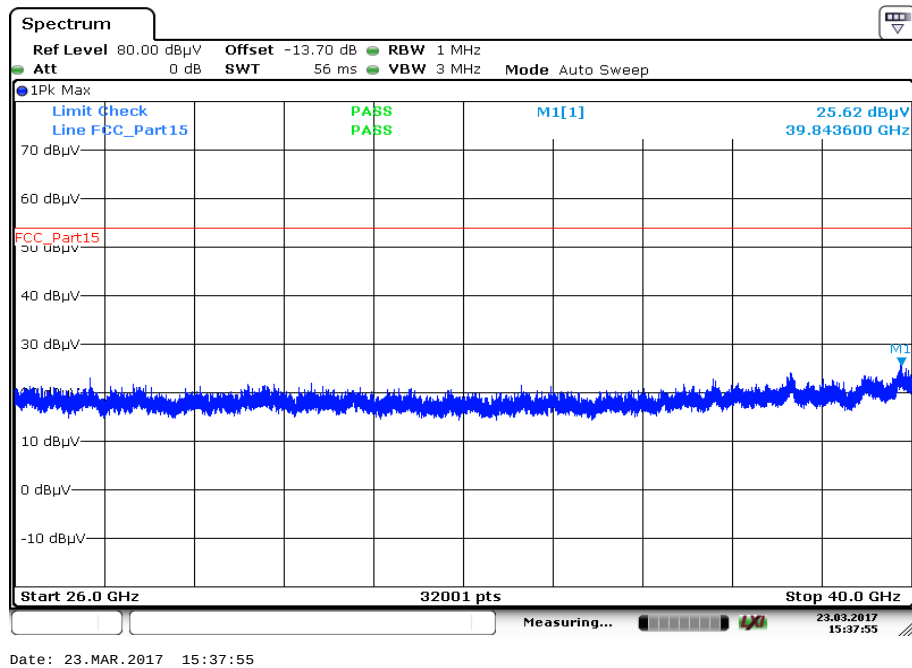


The carrier signal is notched with a band rejection filter.

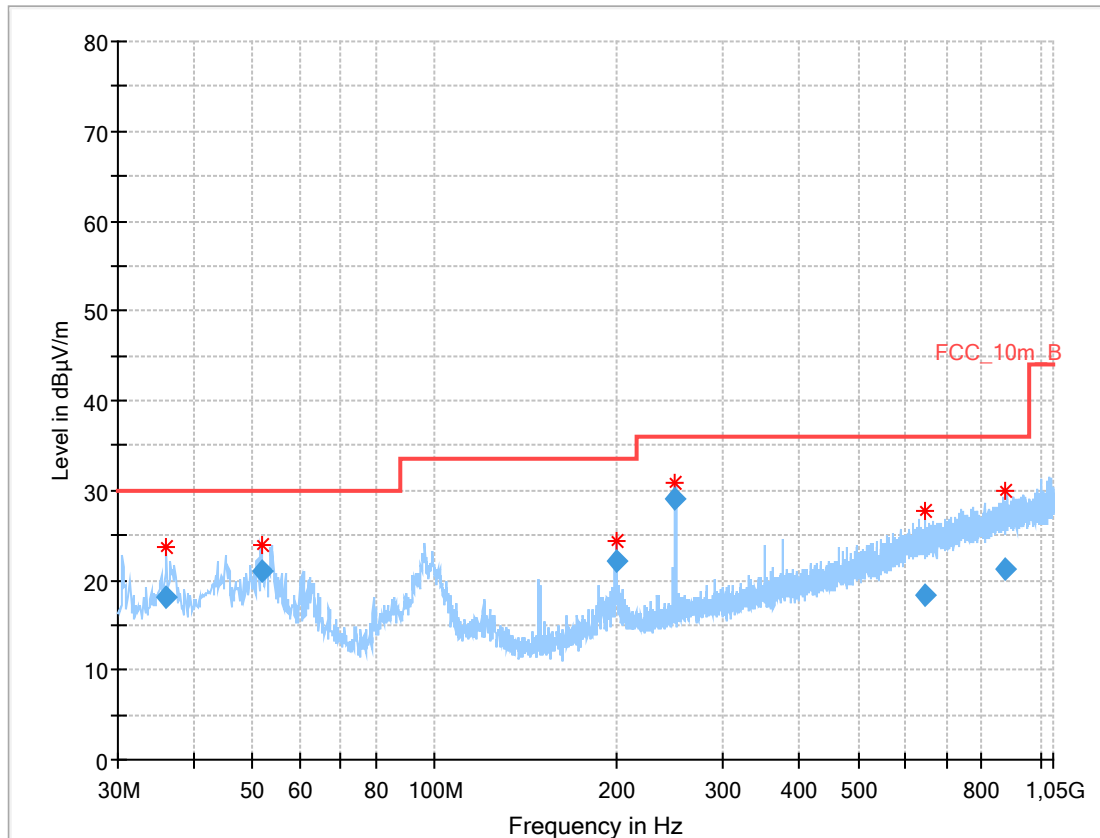
Plot 15: 18 GHz to 26 GHz, 5320 MHz, vertical & horizontal polarization



Plot 16: 26 GHz to 40 GHz, 5320 MHz, vertical & horizontal polarization



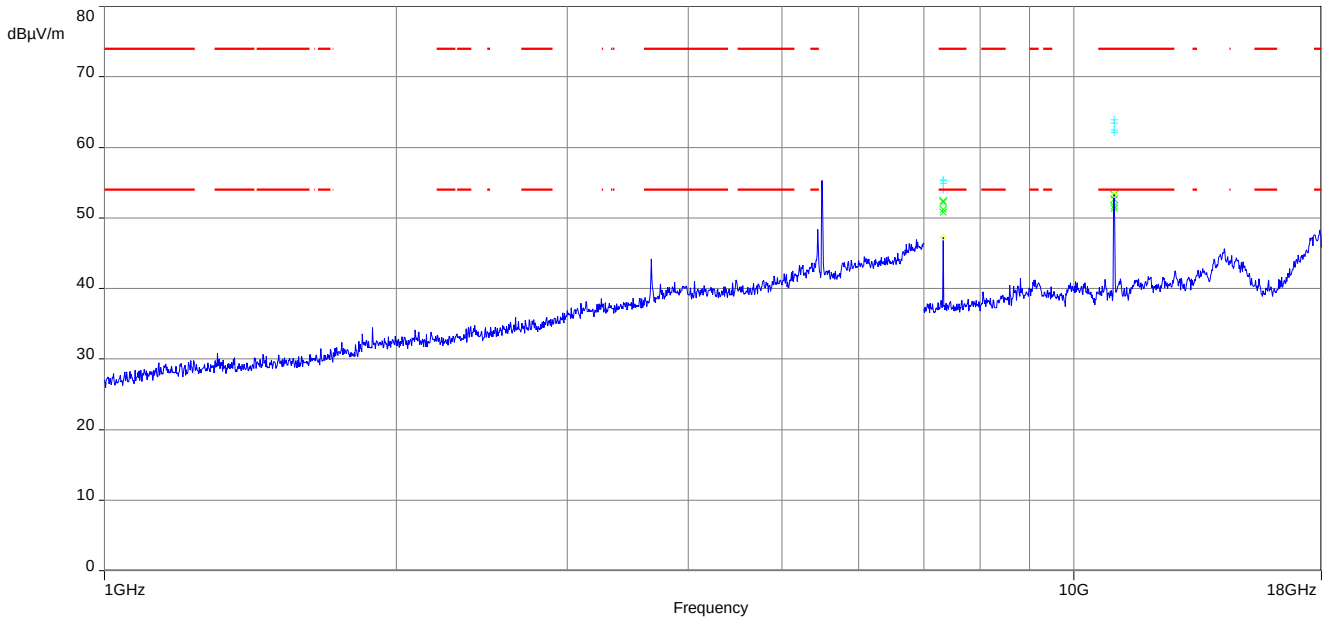
Plot 17: 30 MHz to 1 GHz, 5500 MHz, vertical & horizontal polarization



Final results:

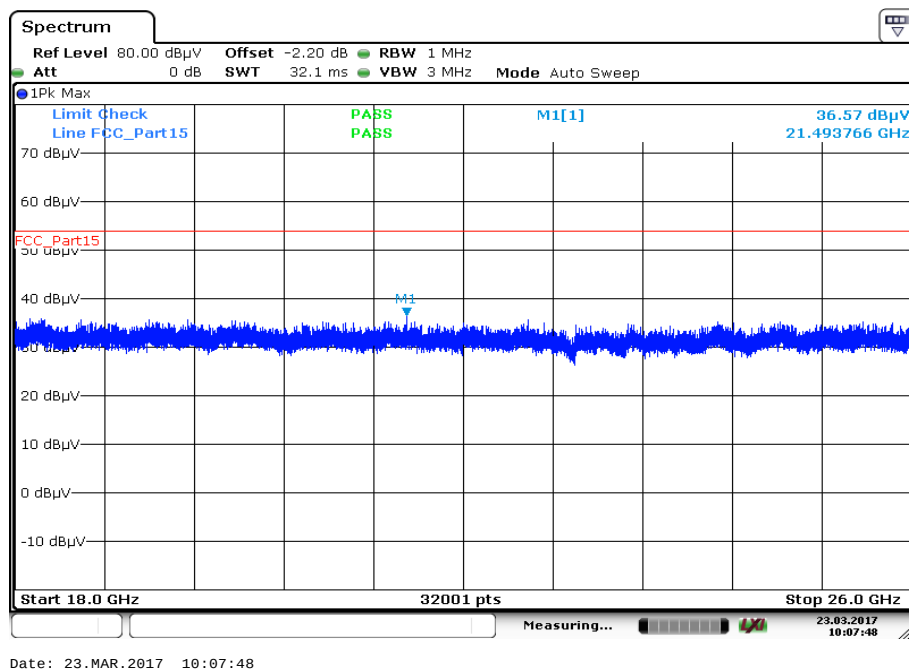
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.130050	18.04	30.00	11.96	1000.0	120.000	101.0	V	49.0	12.8
51.823800	20.90	30.00	9.10	1000.0	120.000	101.0	V	55.0	13.5
199.991550	22.05	33.50	11.45	1000.0	120.000	98.0	V	69.0	11.9
249.990750	29.06	36.00	6.94	1000.0	120.000	101.0	V	248.0	13.4
646.684350	18.28	36.00	17.72	1000.0	120.000	178.0	H	291.0	21.1
877.977000	21.18	36.00	14.82	1000.0	120.000	98.0	H	209.0	23.9

Plot 18: 1 GHz to 18 GHz, 5500 MHz, vertical & horizontal polarization

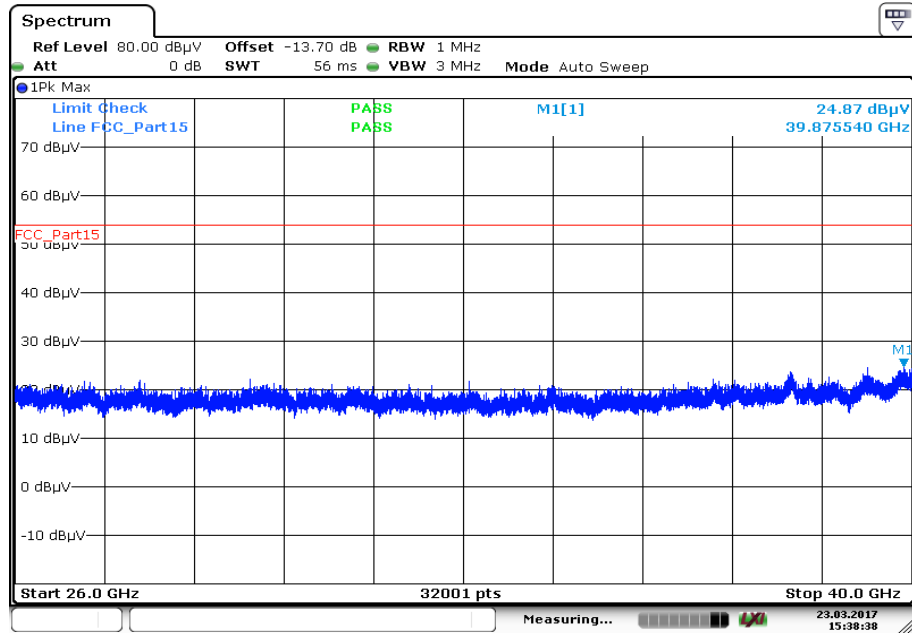


The carrier signal is notched with a band rejection filter.

Plot 19: 18 GHz to 26 GHz, 5500 MHz, vertical & horizontal polarization

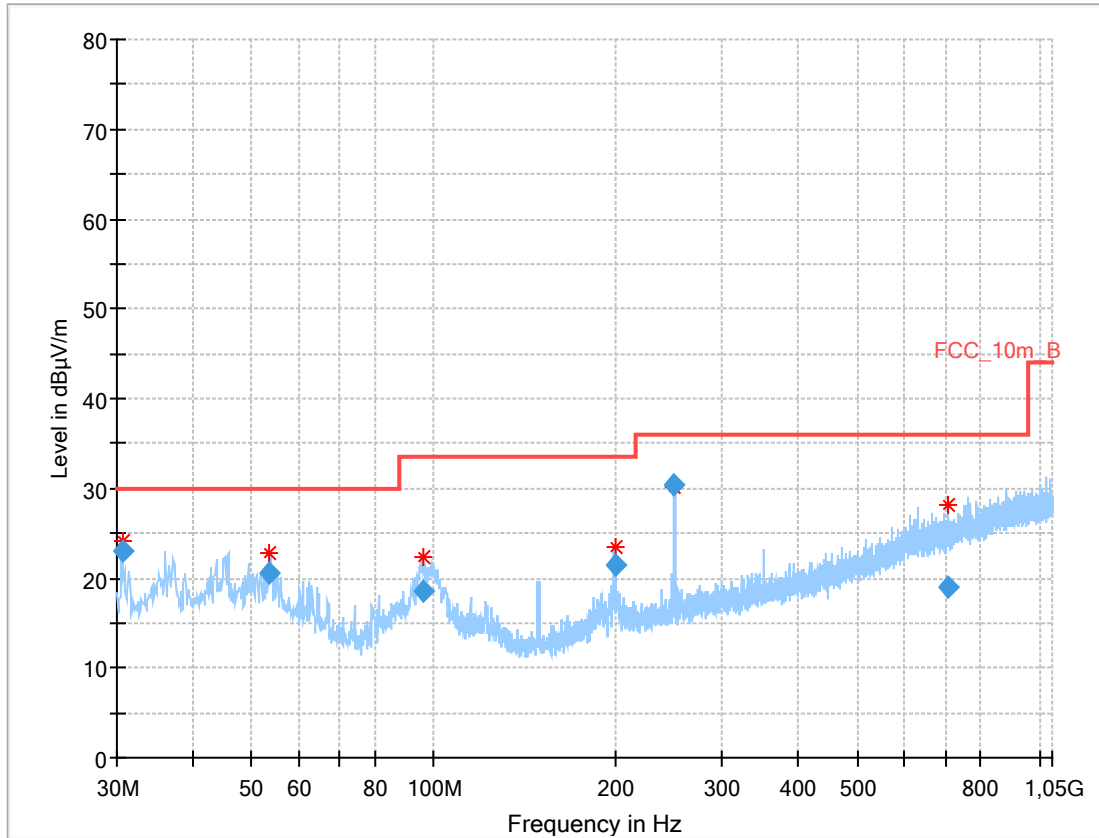


Plot 20: 26 GHz to 40 GHz, 5500 MHz, vertical & horizontal polarization



Date: 23.MAR.2017 15:38:38

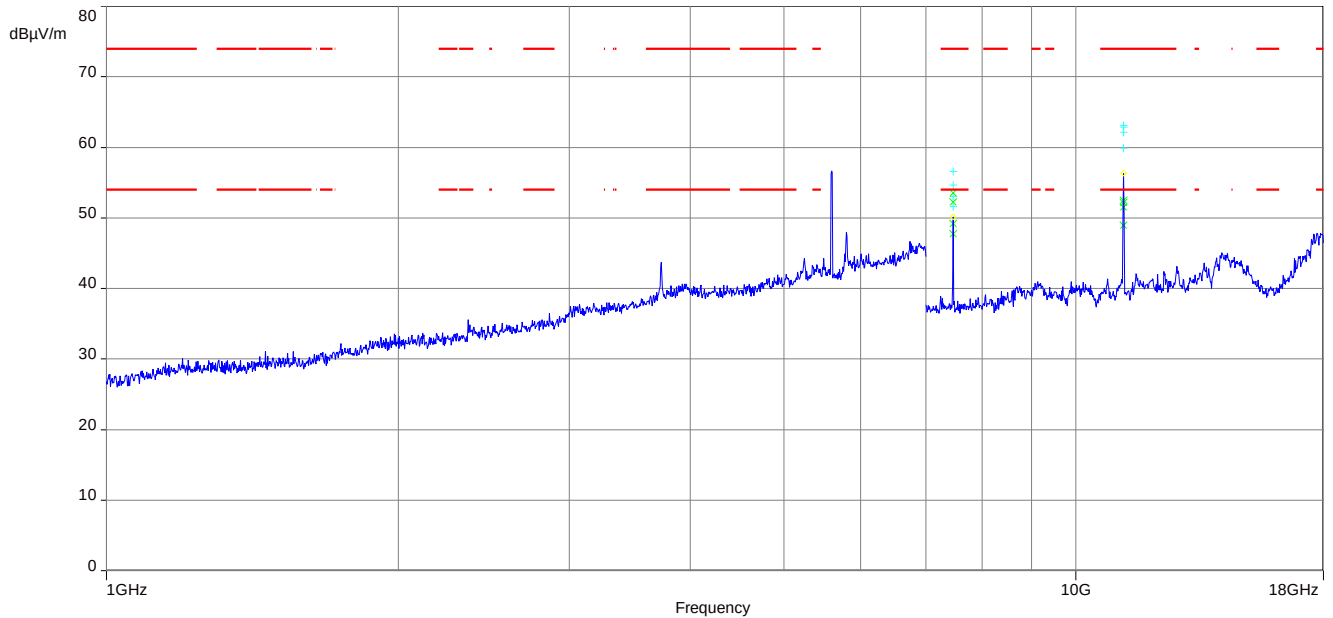
Plot 21: 30 MHz to 1 GHz, 5600 MHz, vertical & horizontal polarization



Final results:

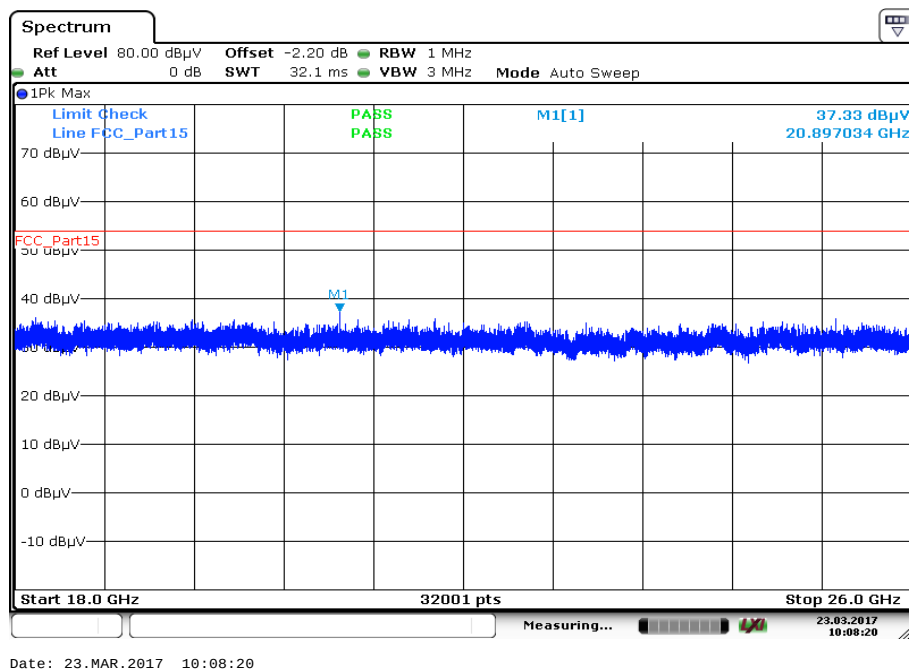
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.604811	23.06	30.00	6.94	1000.0	120.000	101.0	V	140.0	11.9
53.563650	20.65	30.00	9.35	1000.0	120.000	98.0	V	39.0	13.3
96.065250	18.62	33.50	14.88	1000.0	120.000	101.0	V	353.0	11.1
199.981050	21.52	33.50	11.98	1000.0	120.000	98.0	V	66.0	11.9
249.999000	30.40	36.00	5.60	1000.0	120.000	101.0	V	3.0	13.4
707.760750	19.06	36.00	16.94	1000.0	120.000	101.0	V	318.0	21.7

Plot 22: 1 GHz to 18 GHz, 5600 MHz, vertical & horizontal polarization

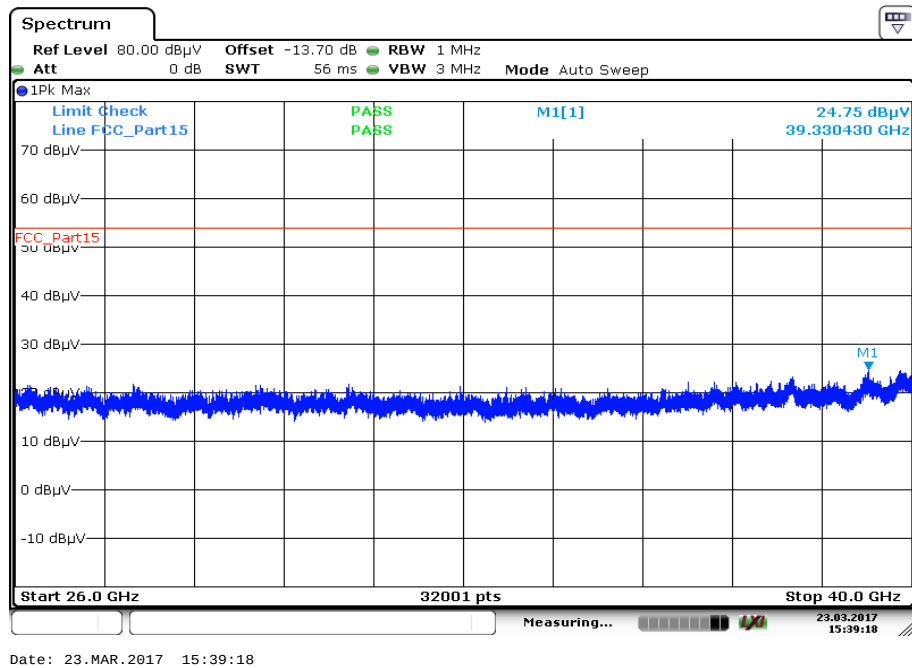


The carrier signal is notched with a band rejection filter.

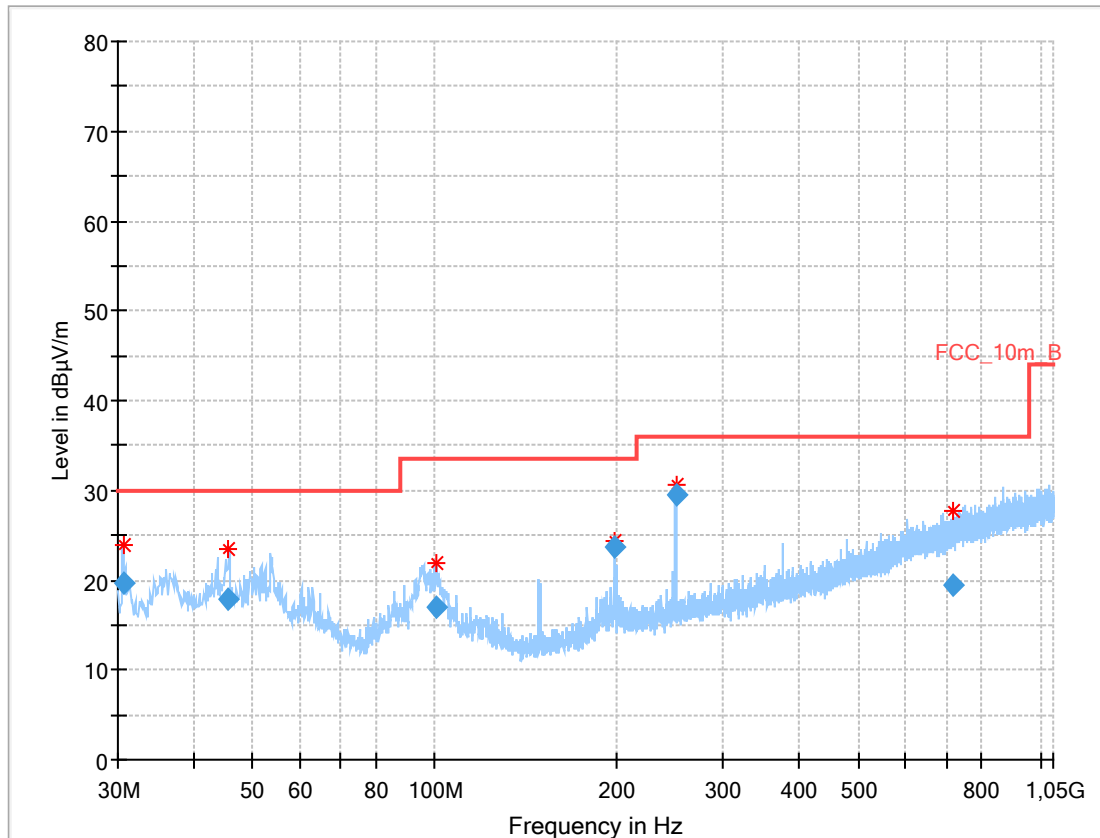
Plot 23: 18 GHz to 26 GHz, 5600 MHz, vertical & horizontal polarization



Plot 24: 26 GHz to 40 GHz, 5600 MHz, vertical & horizontal polarization



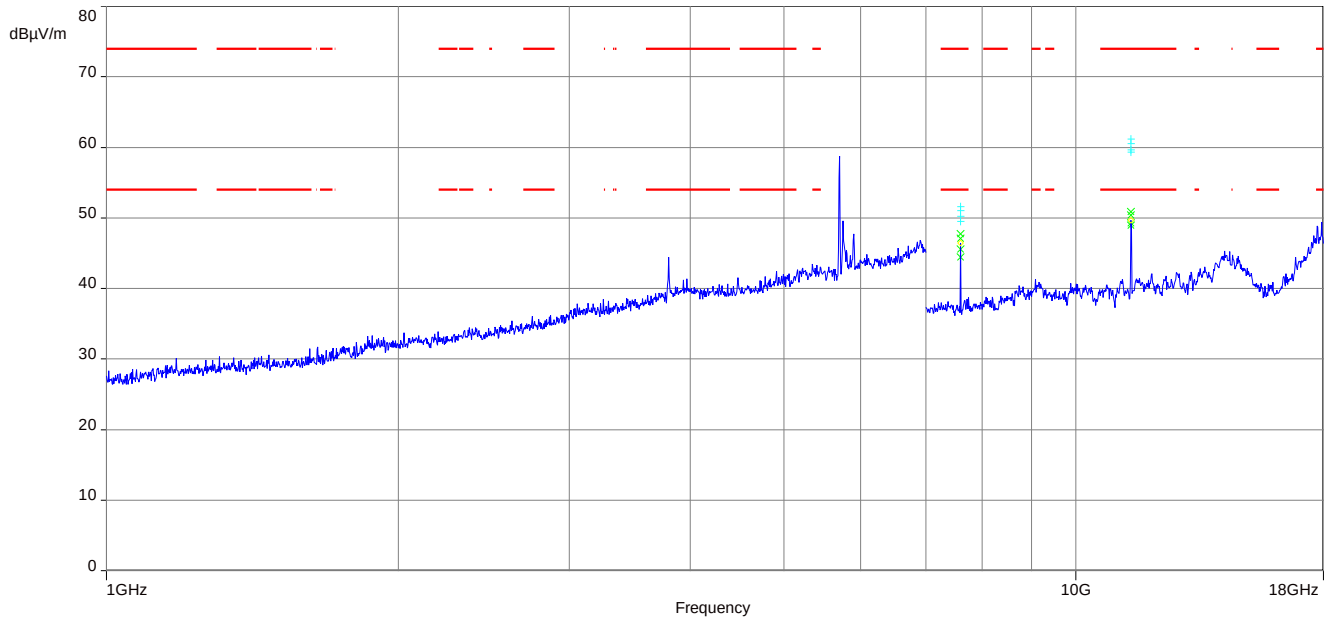
Plot 25: 30 MHz to 1 GHz, 5700 MHz, vertical & horizontal polarization



Final results:

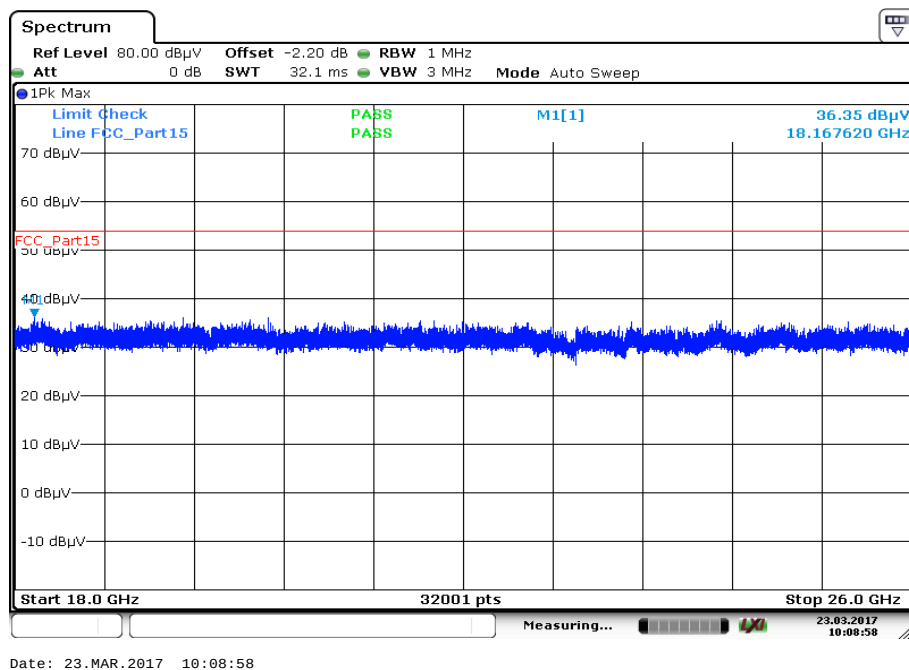
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.633949	19.71	30.00	10.29	1000.0	120.000	101.0	V	222.0	11.9
45.695550	17.87	30.00	12.13	1000.0	120.000	101.0	V	104.0	13.6
100.667250	17.08	33.50	16.42	1000.0	120.000	101.0	V	97.0	12.1
197.996850	23.65	33.50	9.85	1000.0	120.000	98.0	V	76.0	11.8
250.004100	29.55	36.00	6.45	1000.0	120.000	101.0	V	168.0	13.4
719.040000	19.33	36.00	16.67	1000.0	120.000	101.0	H	122.0	22.0

Plot 26: 1 GHz to 18 GHz, 5700 MHz, vertical & horizontal polarization

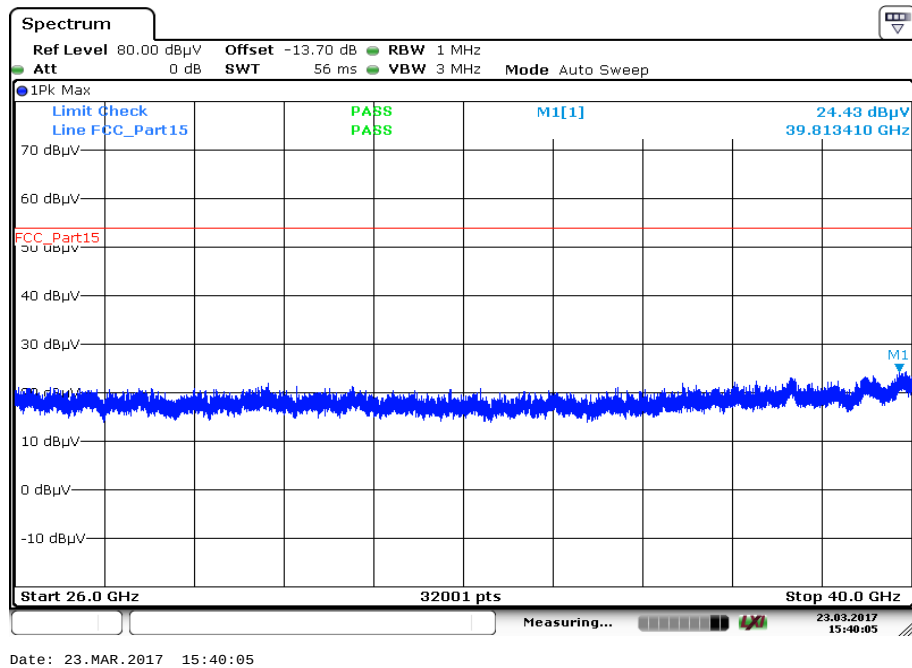


The carrier signal is notched with a band rejection filter.

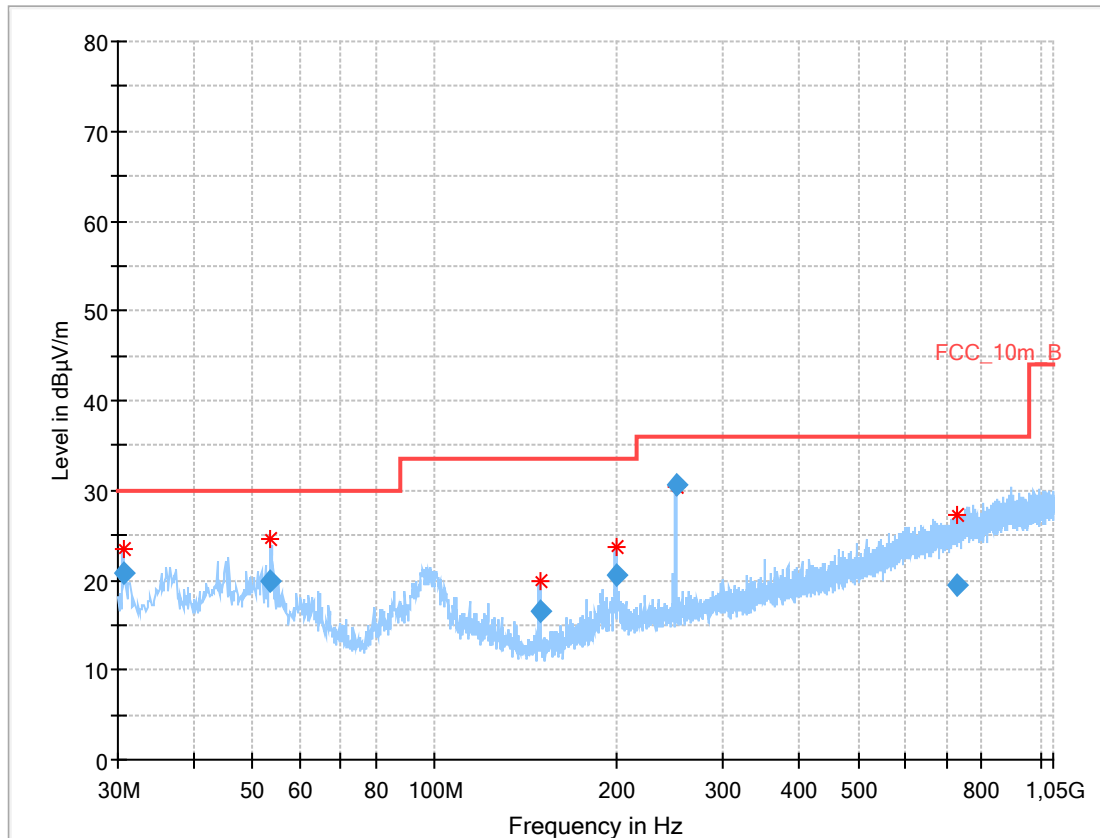
Plot 27: 18 GHz to 26 GHz, 5700 MHz, vertical & horizontal polarization



Plot 28: 26 GHz to 40 GHz, 5700 MHz, vertical & horizontal polarization



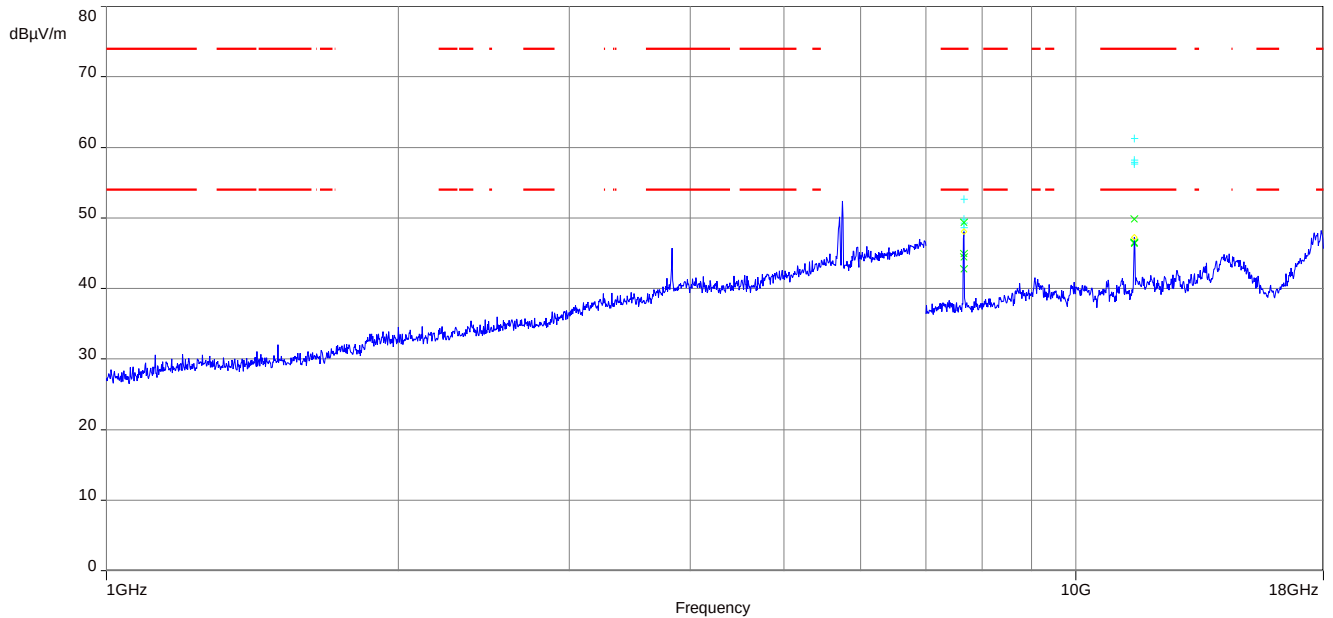
Plot 29: 30 MHz to 1 GHz, 5745 MHz, vertical & horizontal polarization



Final results:

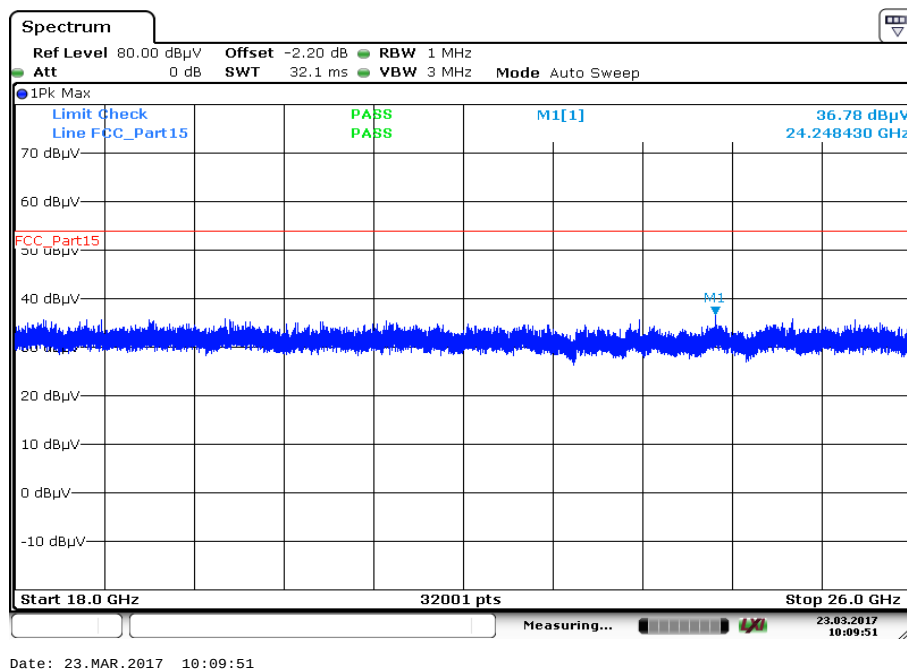
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.610500	20.70	30.00	9.30	1000.0	120.000	185.0	V	151.0	11.9
53.592900	19.87	30.00	10.13	1000.0	120.000	98.0	V	110.0	13.3
149.994450	16.58	33.50	16.92	1000.0	120.000	98.0	V	292.0	9.3
200.011050	20.55	33.50	12.95	1000.0	120.000	98.0	V	56.0	11.9
250.002000	30.62	36.00	5.38	1000.0	120.000	101.0	V	14.0	13.4
728.480550	19.50	36.00	16.50	1000.0	120.000	185.0	H	342.0	22.2

Plot 30: 1 GHz to 18 GHz, 5745 MHz, vertical & horizontal polarization

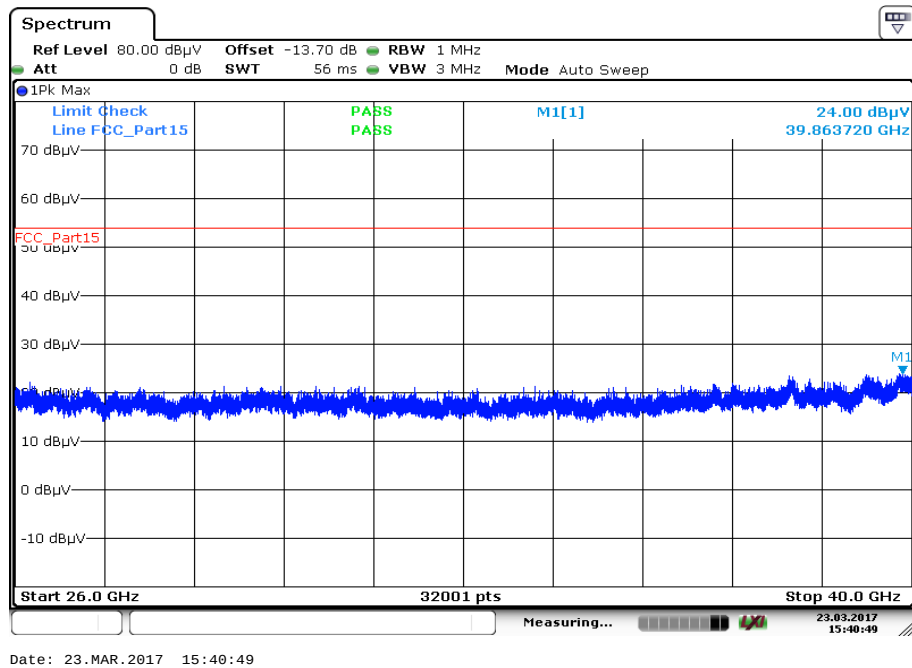


The carrier signal is notched with a band rejection filter.

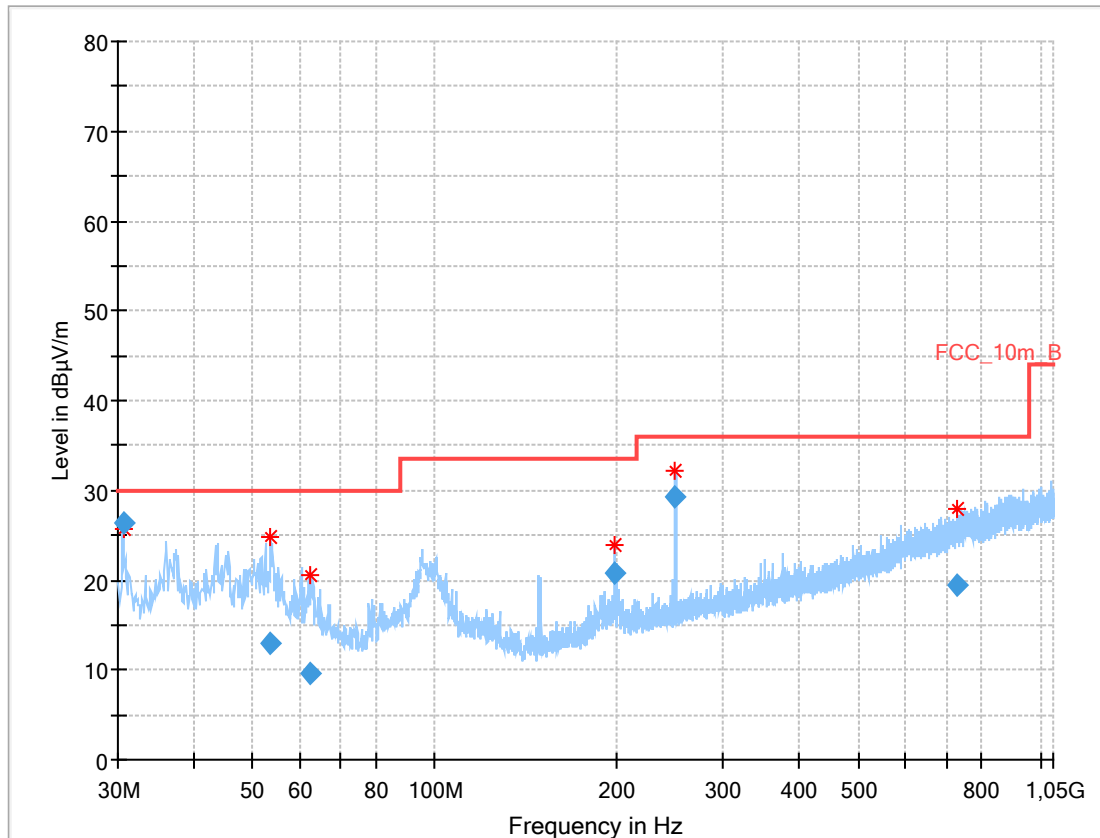
Plot 31: 18 GHz to 26 GHz, 5745 MHz, vertical & horizontal polarization



Plot 32: 26 GHz to 40 GHz, 5745 MHz, vertical & horizontal polarization



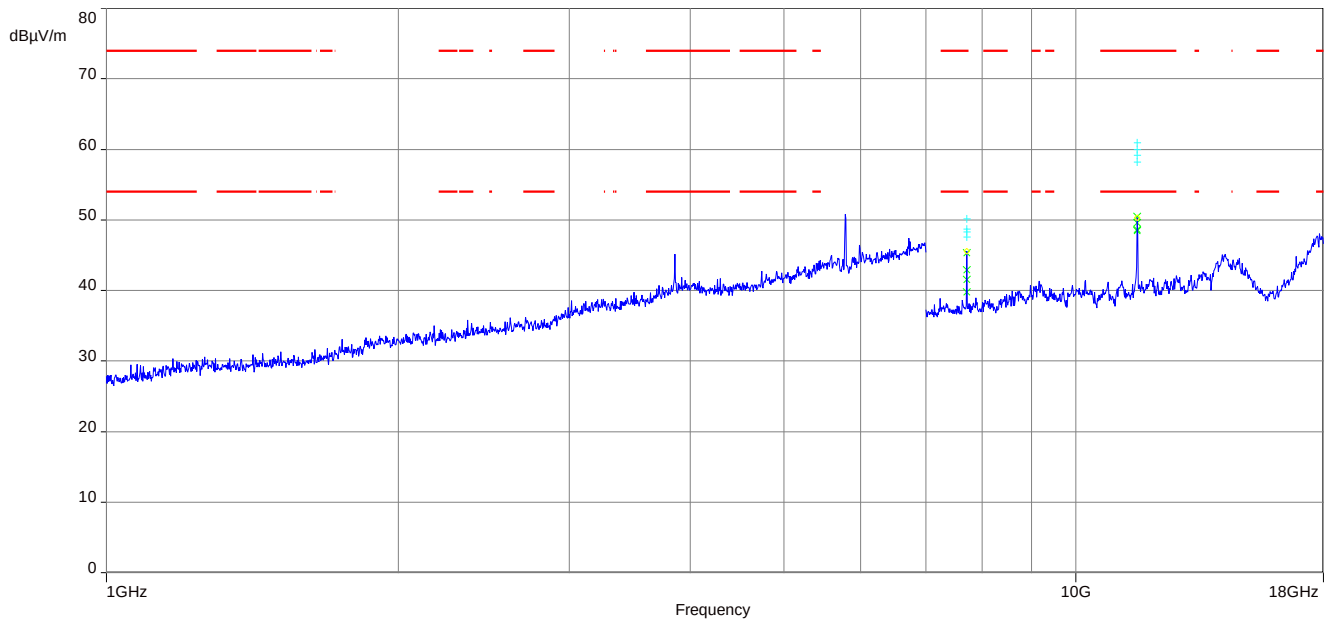
Plot 33: 30 MHz to 1 GHz, 5785 MHz, vertical & horizontal polarization



Final results:

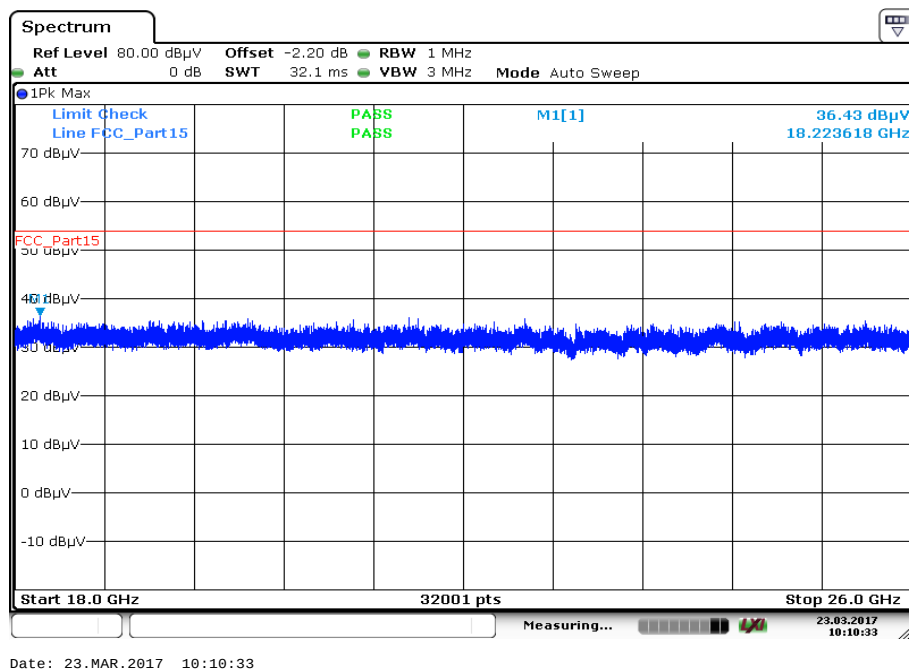
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.614801	26.47	30.00	3.53	1000.0	120.000	98.0	V	198.0	11.9
53.569950	13.03	30.00	16.97	1000.0	120.000	98.0	V	21.0	13.3
62.268600	9.50	30.00	20.50	1000.0	120.000	101.0	V	63.0	11.3
197.989200	20.86	33.50	12.64	1000.0	120.000	179.0	V	248.0	11.8
249.992250	29.38	36.00	6.62	1000.0	120.000	98.0	V	191.0	13.4
727.983900	19.44	36.00	16.56	1000.0	120.000	98.0	V	248.0	22.2

Plot 34: 1 GHz to 18 GHz, 5785 MHz, vertical & horizontal polarization

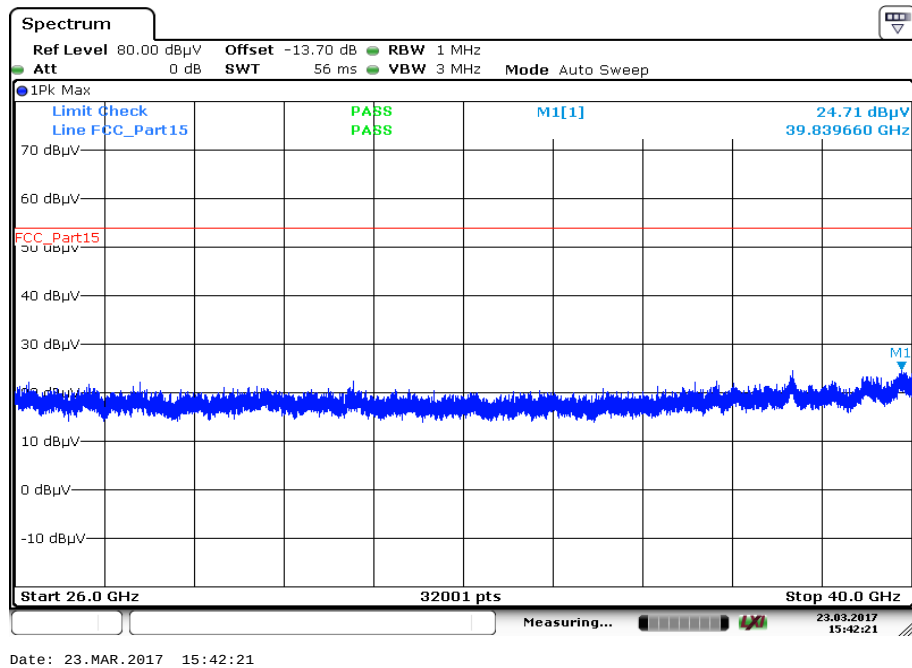


The carrier signal is notched with a band rejection filter.

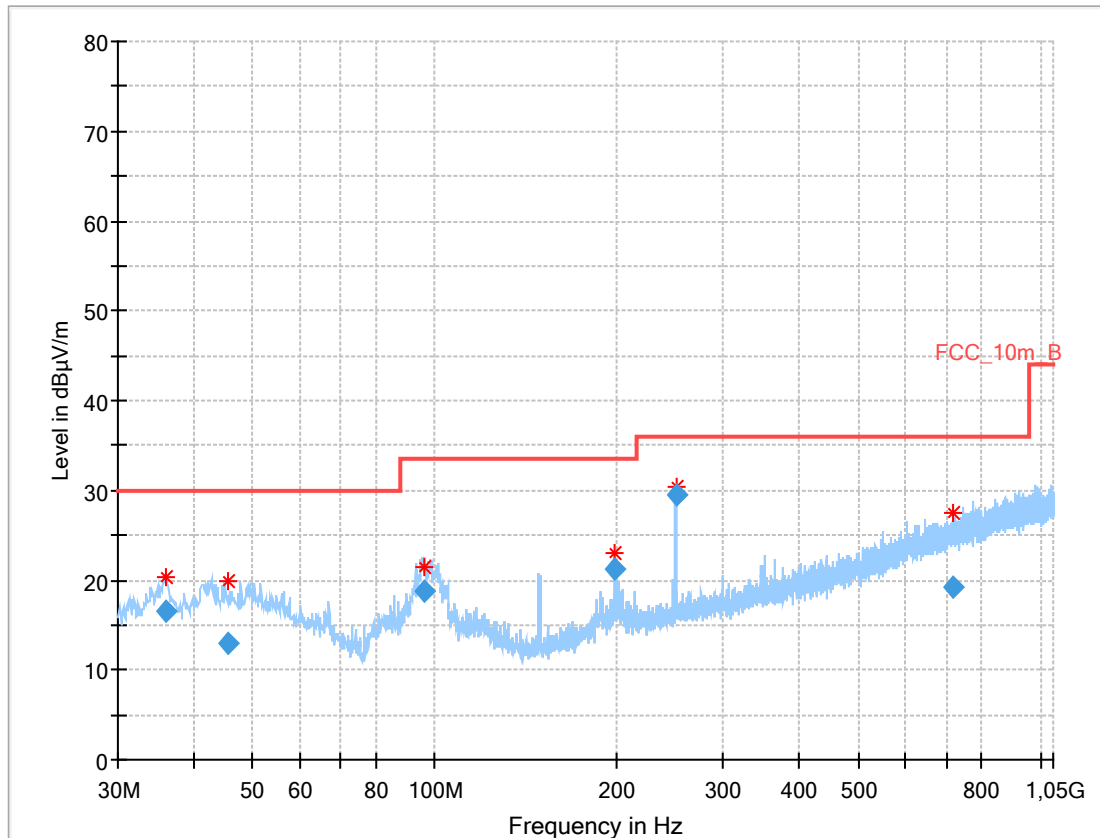
Plot 35: 18 GHz to 26 GHz, 5785 MHz, vertical & horizontal polarization



Plot 36: 26 GHz to 40 GHz, 5785 MHz, vertical & horizontal polarization



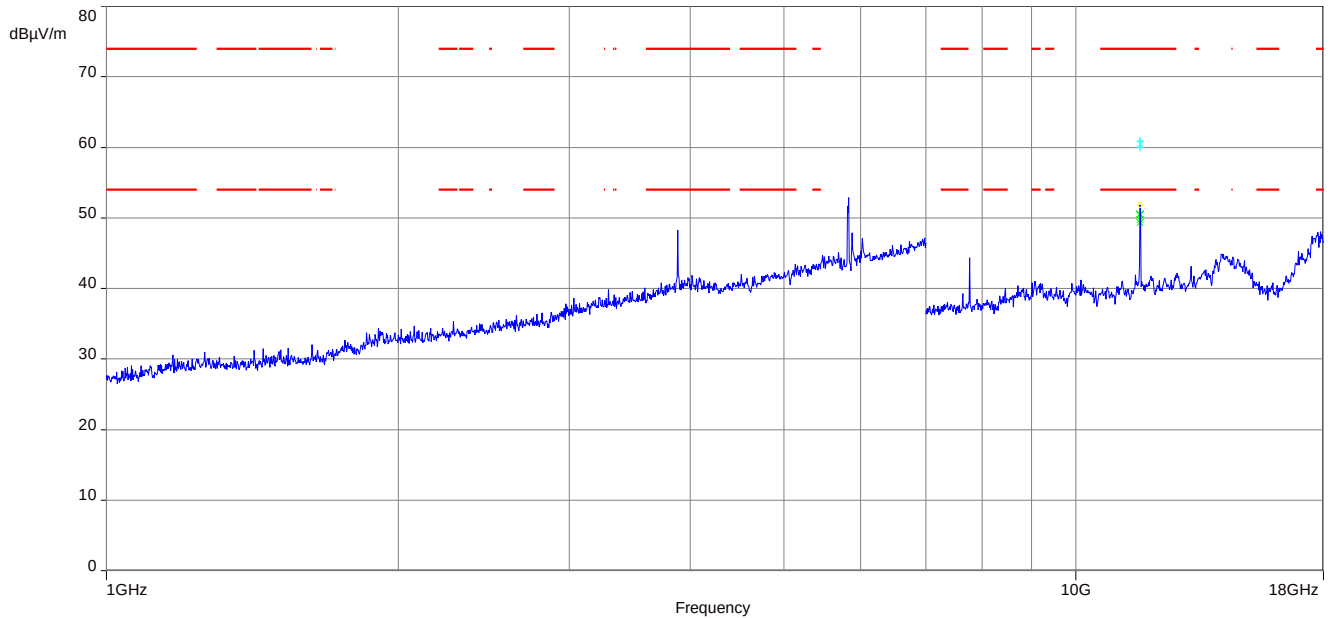
Plot 37: 30 MHz to 1 GHz, 5825 MHz, vertical & horizontal polarization



Final results:

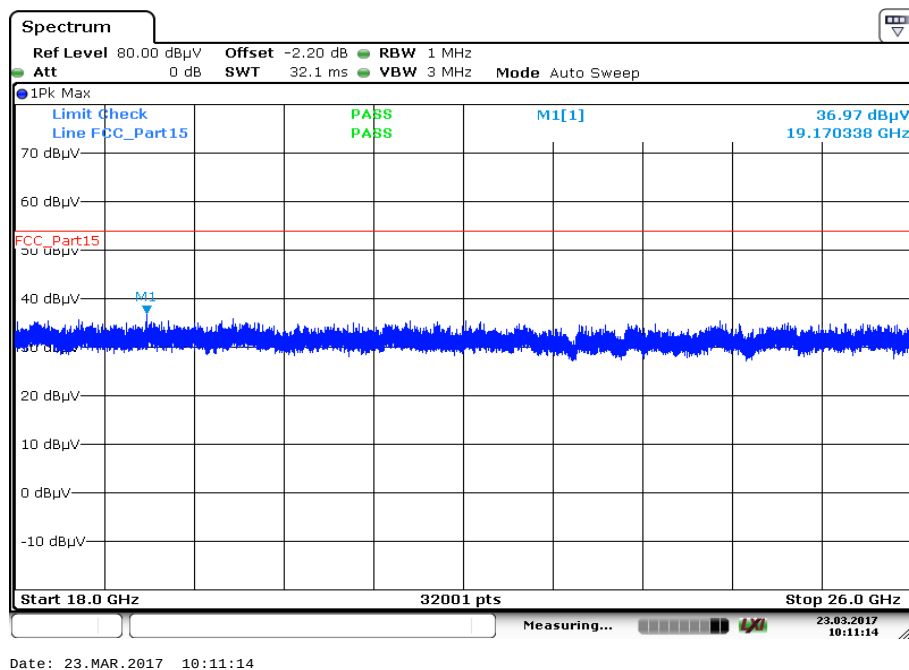
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.145350	16.61	30.00	13.39	1000.0	120.000	98.0	V	104.0	12.8
45.596250	12.86	30.00	17.14	1000.0	120.000	101.0	V	269.0	13.6
95.874450	18.82	33.50	14.68	1000.0	120.000	100.0	V	315.0	11.0
197.983800	21.28	33.50	12.22	1000.0	120.000	98.0	V	351.0	11.8
250.005150	29.53	36.00	6.47	1000.0	120.000	100.0	V	0.0	13.4
718.891050	19.32	36.00	16.68	1000.0	120.000	101.0	H	208.0	22.0

Plot 38: 1 GHz to 18 GHz, 5825 MHz, vertical & horizontal polarization

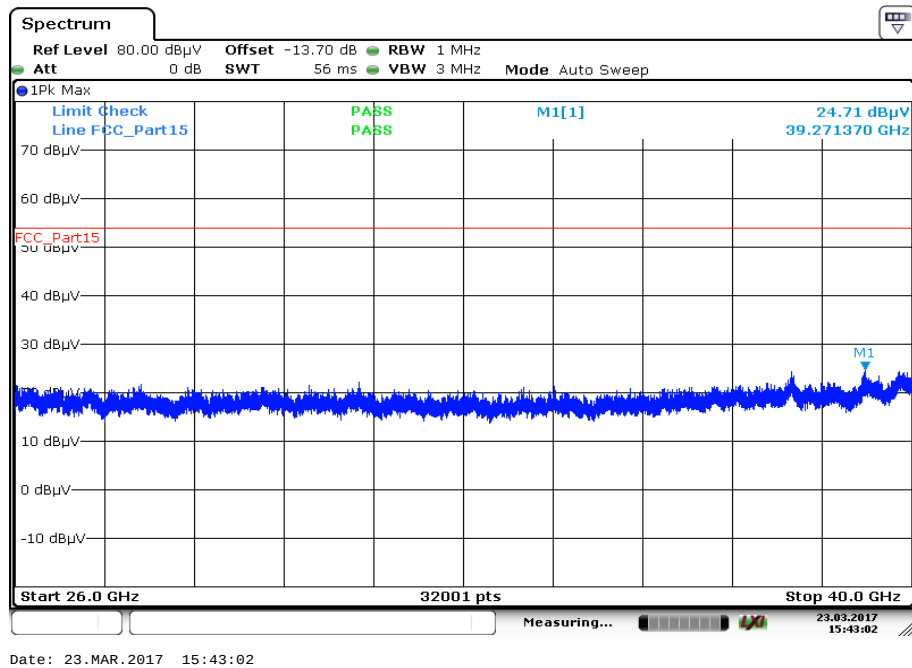


The carrier signal is notched with a band rejection filter.

Plot 39: 18 GHz to 26 GHz, 5825 MHz, vertical & horizontal polarization

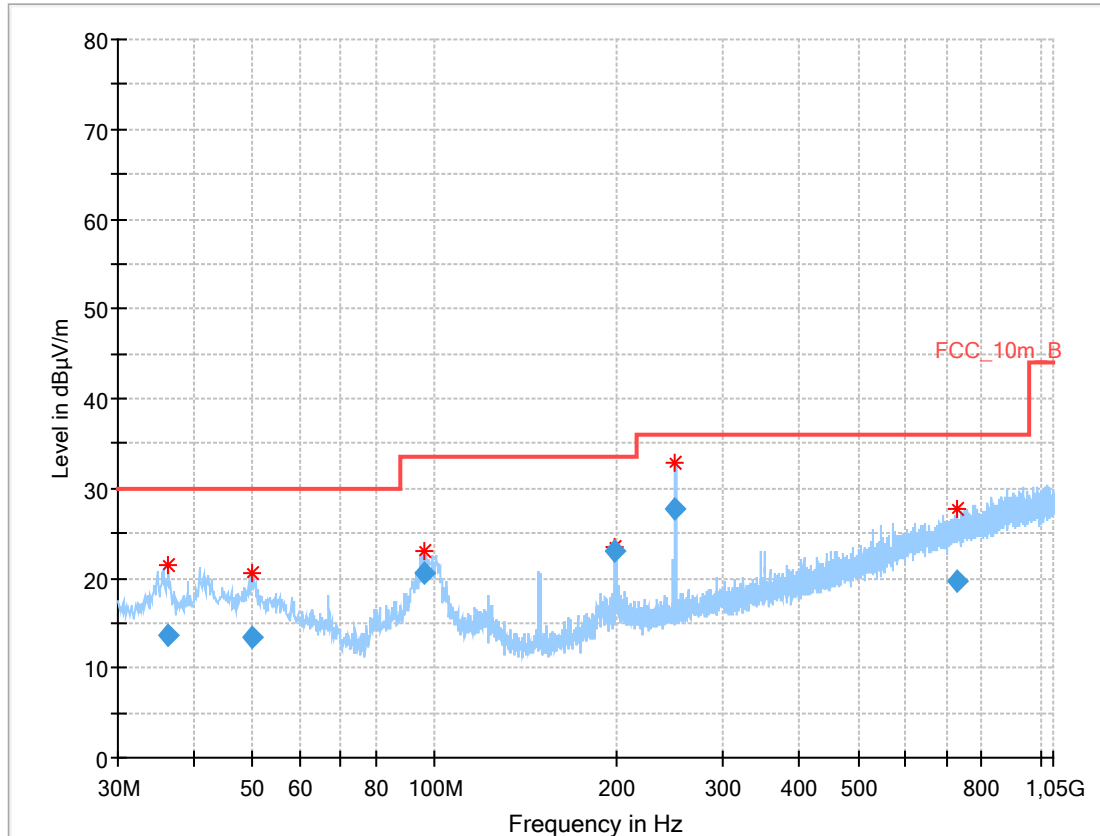


Plot 40: 26 GHz to 40 GHz, 5825 MHz, vertical & horizontal polarization



Plots: OFDM / n/ac HT40 – mode, ANT-DB1-RAF-xxx antenna

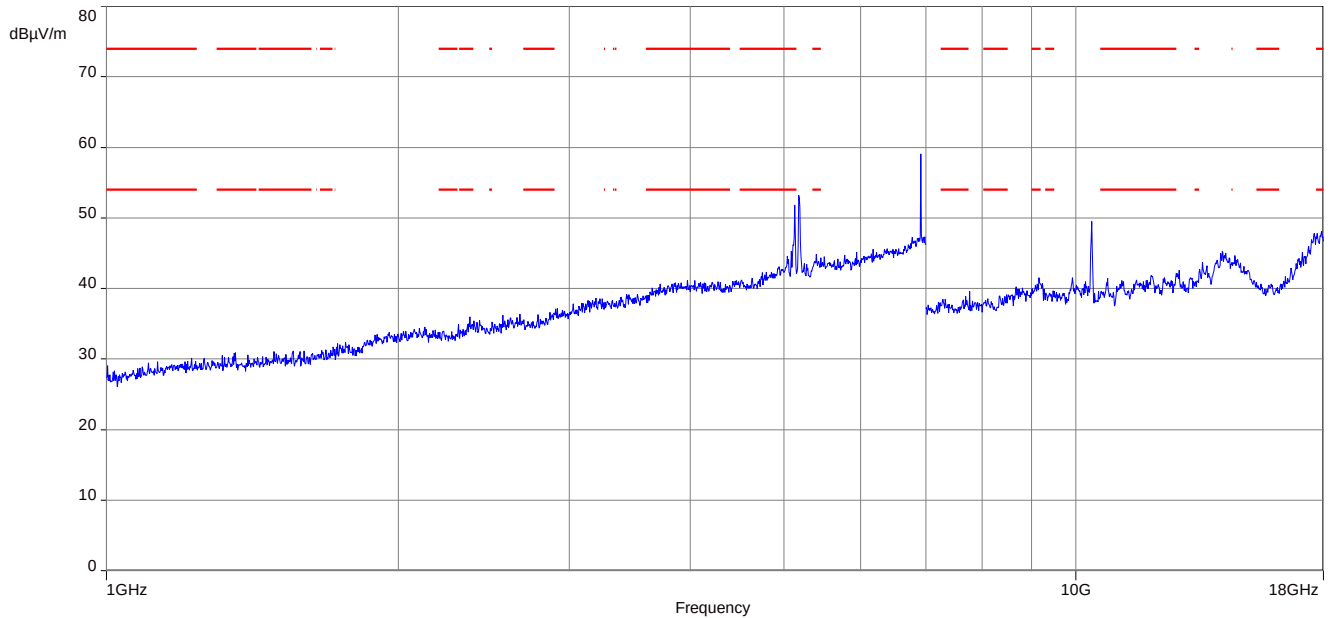
Plot 1: 30 MHz to 1 GHz, 5190 MHz, vertical & horizontal polarization



Final results:

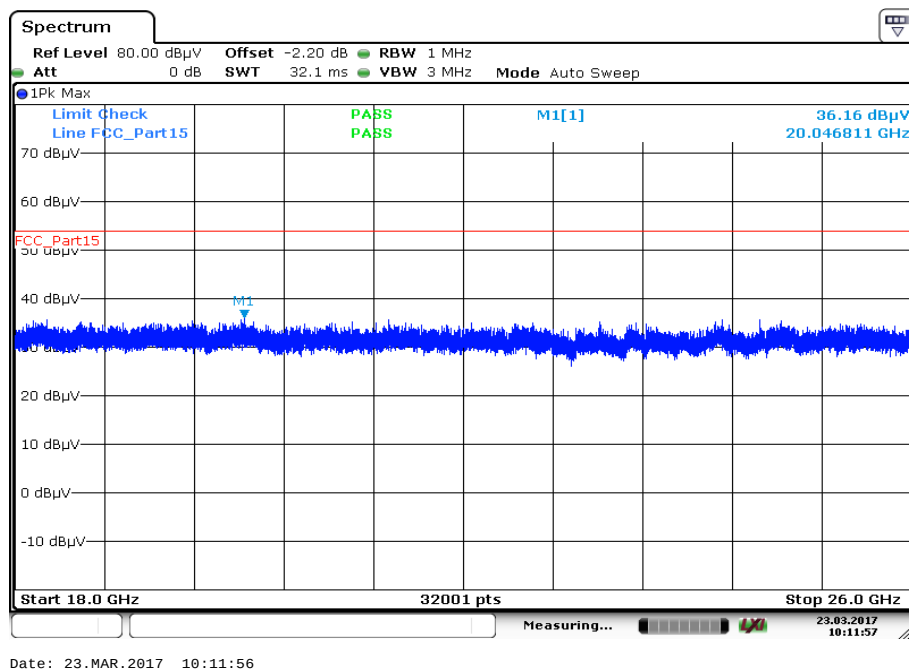
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.413550	13.60	30.00	16.40	1000.0	120.000	98.0	V	237.0	12.8
49.943550	13.40	30.00	16.60	1000.0	120.000	98.0	V	131.0	13.7
95.812500	20.48	33.50	13.02	1000.0	120.000	98.0	V	352.0	11.0
197.983950	23.00	33.50	10.50	1000.0	120.000	98.0	V	90.0	11.8
249.981300	27.77	36.00	8.23	1000.0	120.000	101.0	V	203.0	13.4
730.537350	19.60	36.00	16.40	1000.0	120.000	98.0	V	83.0	22.3

Plot 2: 1 GHz to 18 GHz, 5190 MHz, vertical & horizontal polarization

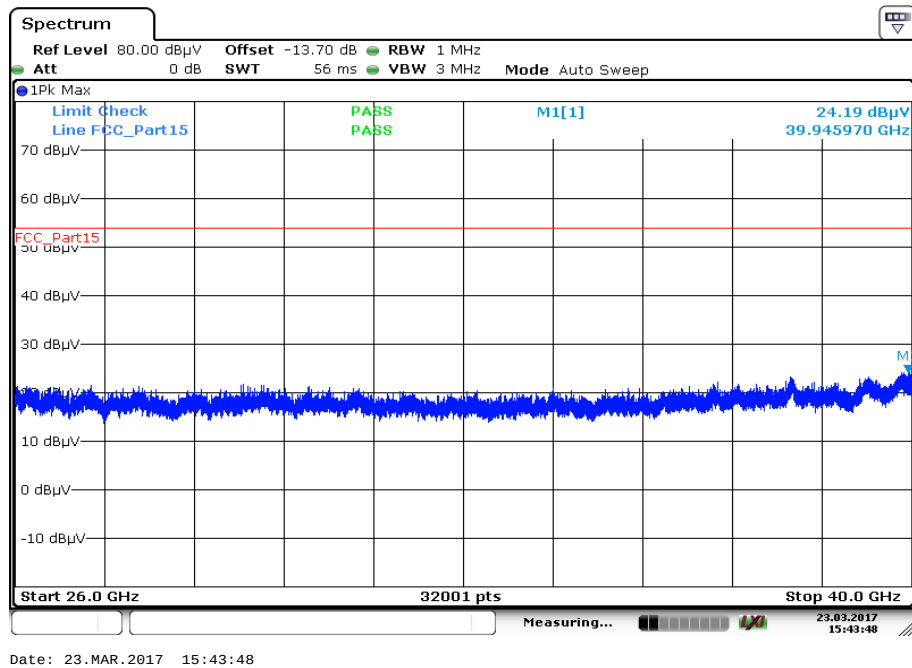


The carrier signal is notched with a band rejection filter.

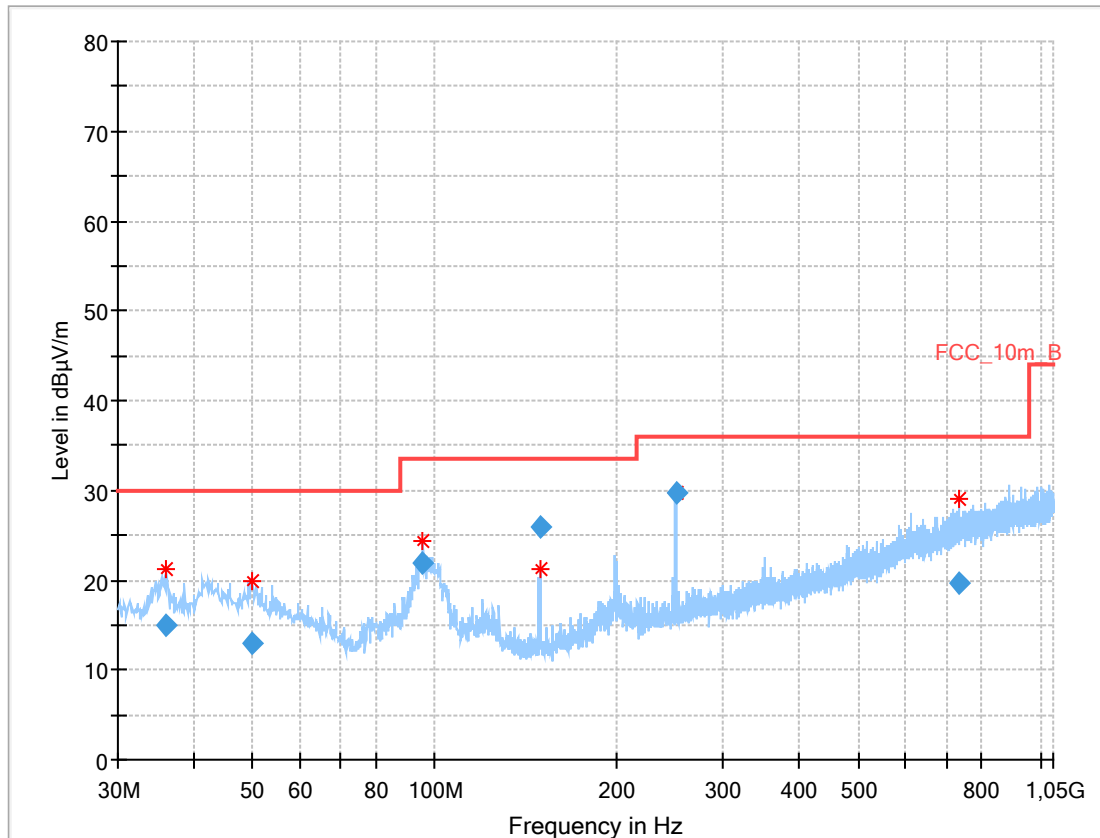
Plot 3: 18 GHz to 26 GHz, 5190 MHz, vertical & horizontal polarization



Plot 4: 26 GHz to 40 GHz, 5190 MHz, vertical & horizontal polarization



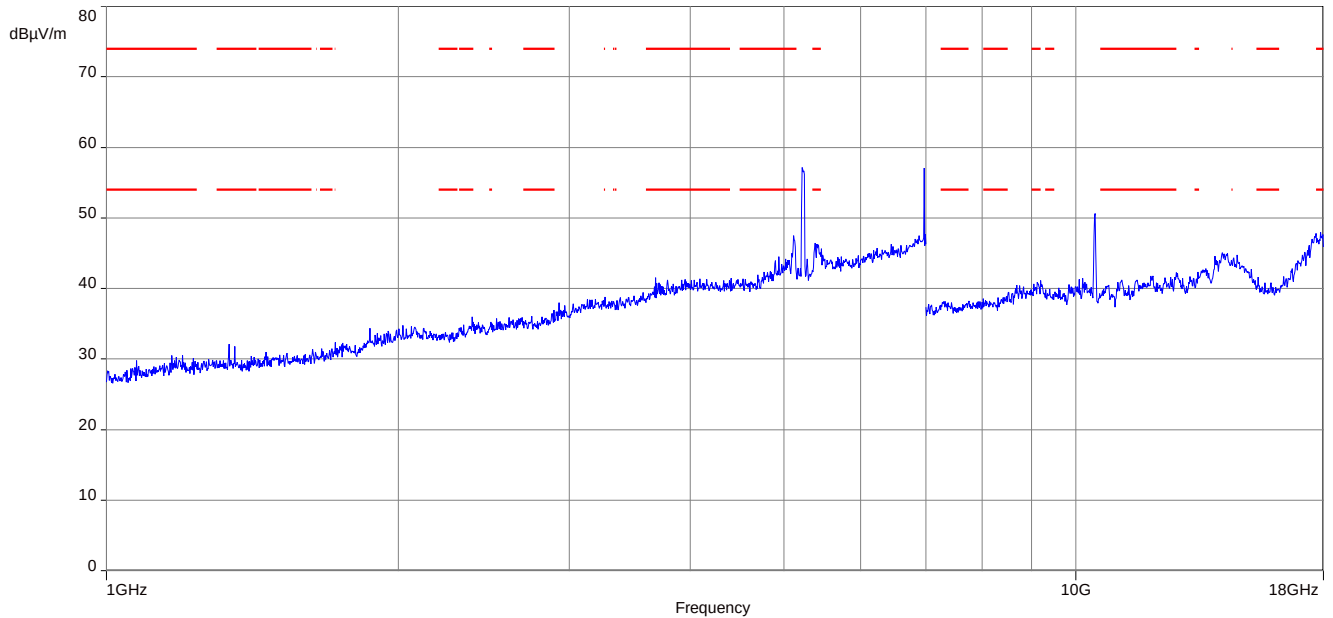
Plot 5: 30 MHz to 1 GHz, 5230 MHz, vertical & horizontal polarization



Final results:

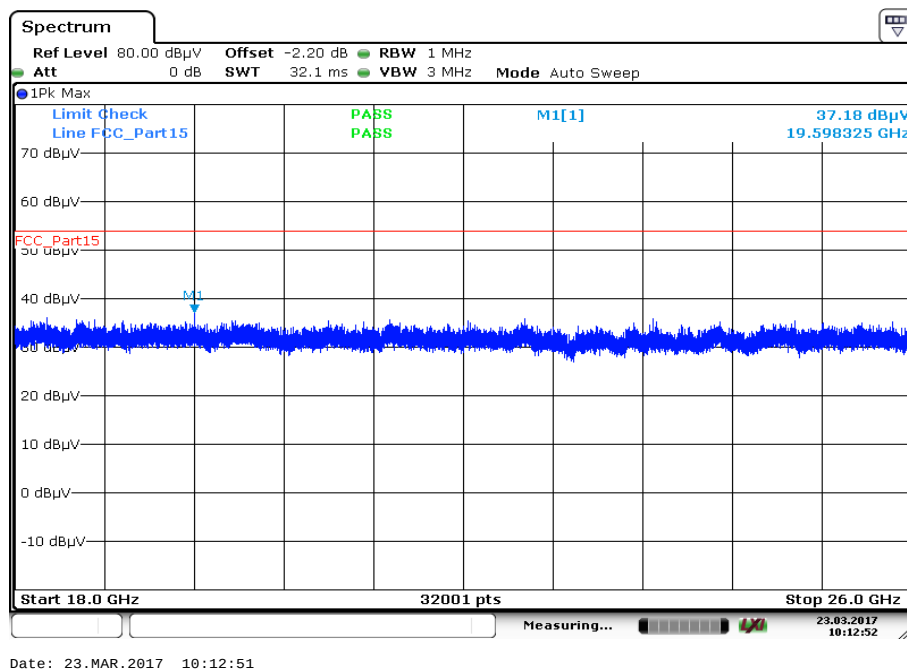
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
36.096600	14.92	30.00	15.08	1000.0	120.000	98.0	V	299.0	12.8
49.833300	12.97	30.00	17.03	1000.0	120.000	101.0	V	42.0	13.7
95.778900	21.85	33.50	11.65	1000.0	120.000	101.0	V	353.0	11.0
150.002400	25.88	33.50	7.62	1000.0	120.000	98.0	V	299.0	9.3
250.001700	29.82	36.00	6.18	1000.0	120.000	98.0	V	205.0	13.4
735.542250	19.66	36.00	16.34	1000.0	120.000	178.0	V	299.0	22.4

Plot 6: 1 GHz to 18 GHz, 5230 MHz, vertical & horizontal polarization

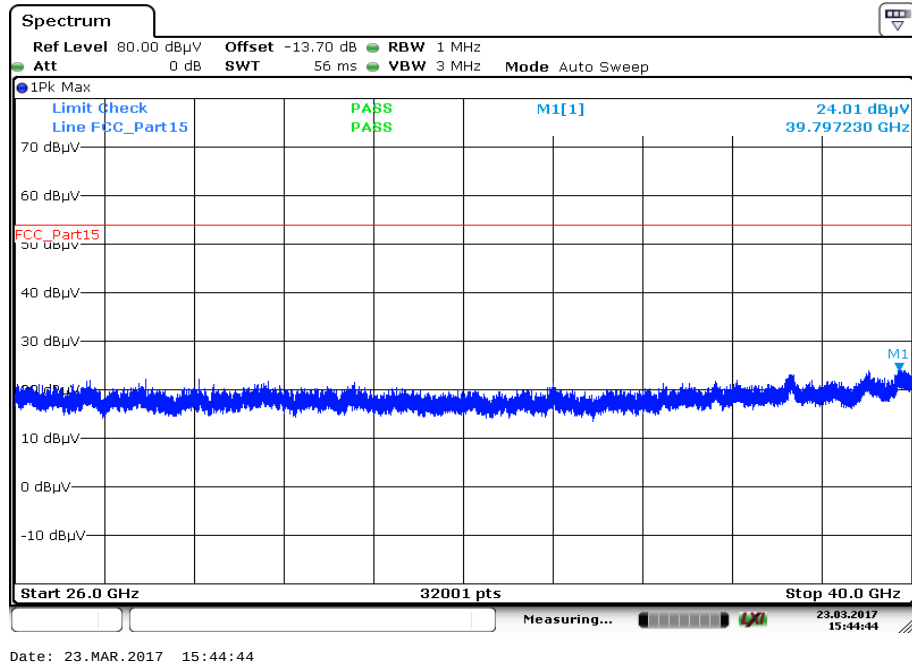


The carrier signal is notched with a band rejection filter.

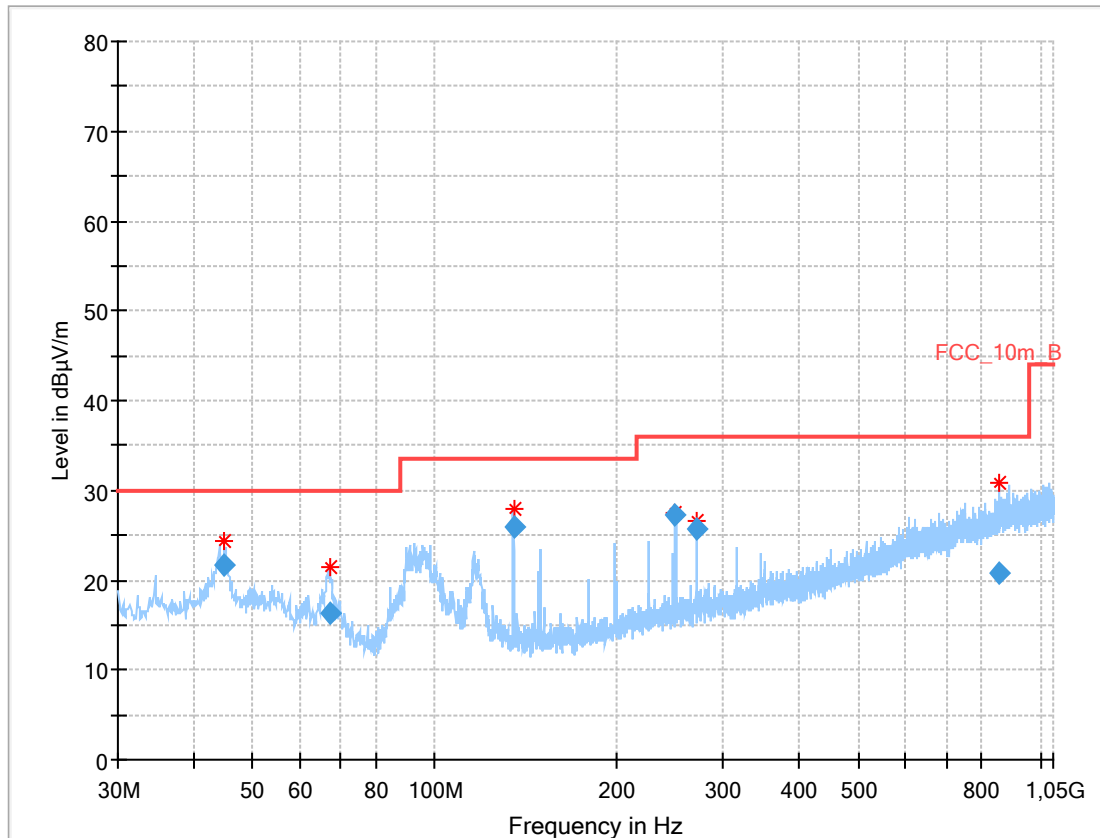
Plot 7: 18 GHz to 26 GHz, 5230 MHz, vertical & horizontal polarization



Plot 8: 26 GHz to 40 GHz, 5230 MHz, vertical & horizontal polarization



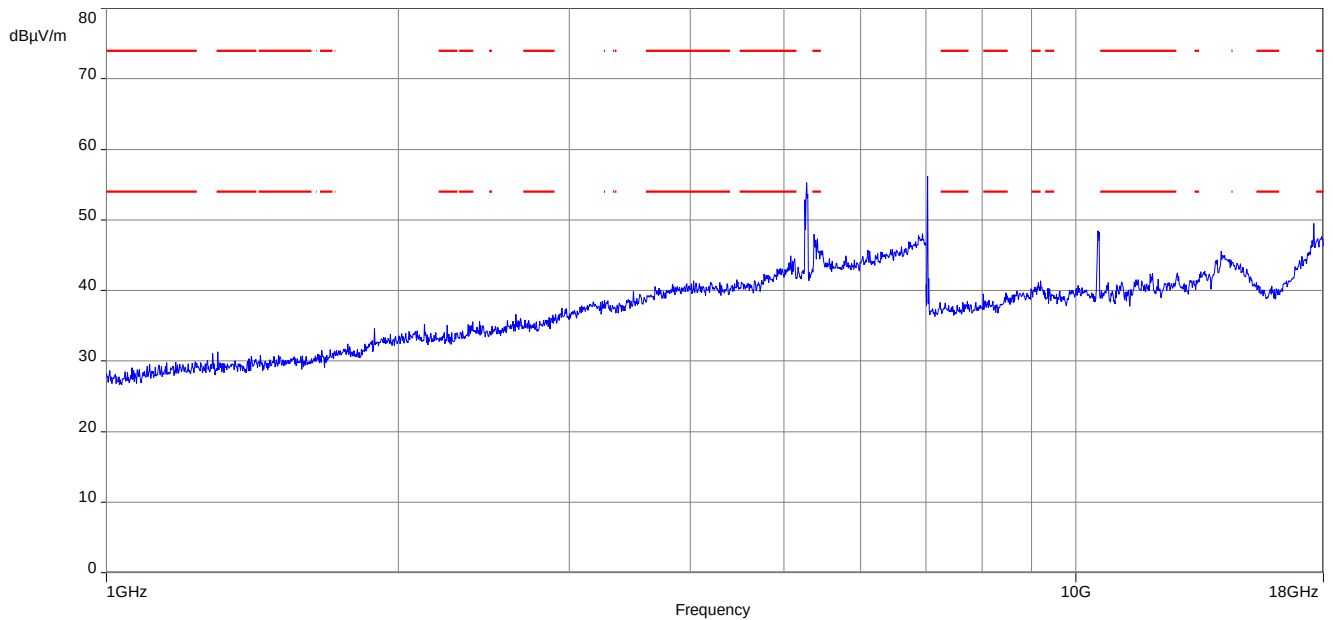
Plot 9: 30 MHz to 1 GHz, 5270 MHz, vertical & horizontal polarization



Final results:

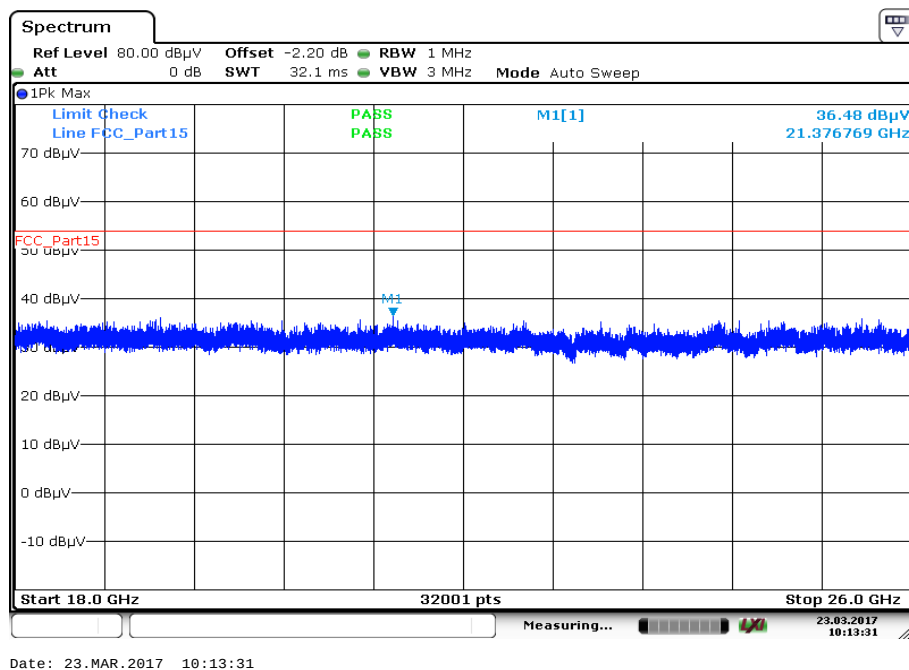
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.001800	21.60	30.00	8.40	1000.0	120.000	101.0	V	204.0	13.6
67.056000	16.39	30.00	13.61	1000.0	120.000	101.0	V	101.0	10.3
135.005850	26.01	33.50	7.49	1000.0	120.000	98.0	V	73.0	9.2
249.996150	27.28	36.00	8.72	1000.0	120.000	98.0	V	11.0	13.4
269.988900	25.77	36.00	10.23	1000.0	120.000	98.0	V	322.0	13.8
855.357150	20.83	36.00	15.17	1000.0	120.000	178.0	V	350.0	23.6

Plot 10: 1 GHz to 18 GHz, 5270 MHz, vertical & horizontal polarization

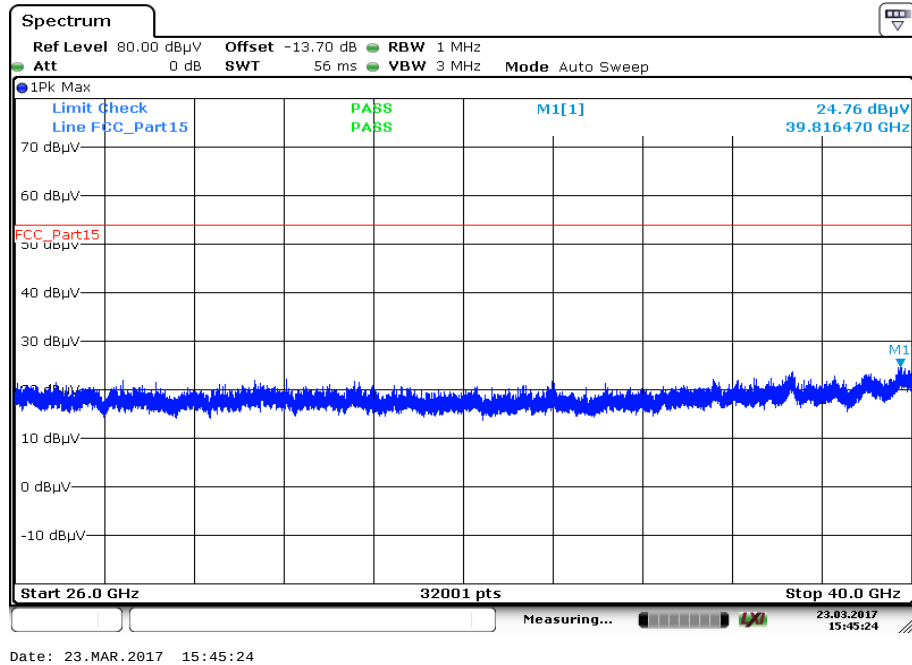


The carrier signal is notched with a band rejection filter.

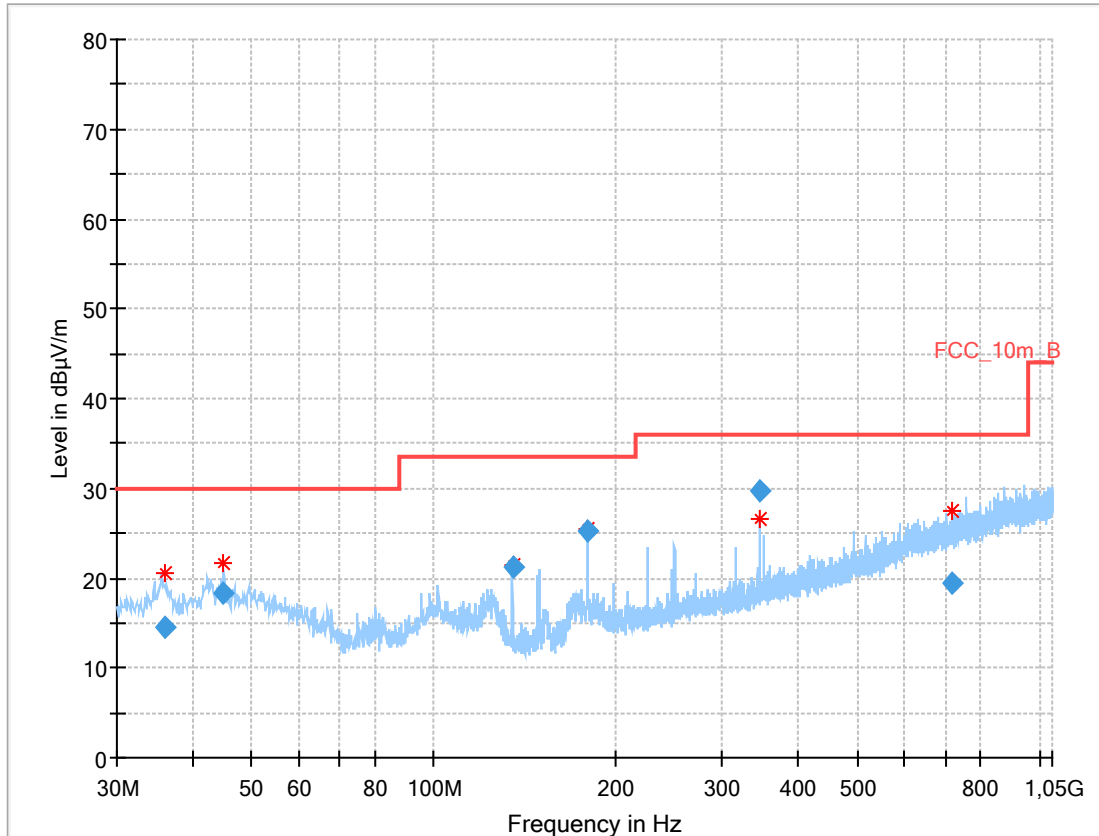
Plot 11: 18 GHz to 26 GHz, 5270 MHz, vertical & horizontal polarization



Plot 12: 26 GHz to 40 GHz, 5270 MHz, vertical & horizontal polarization



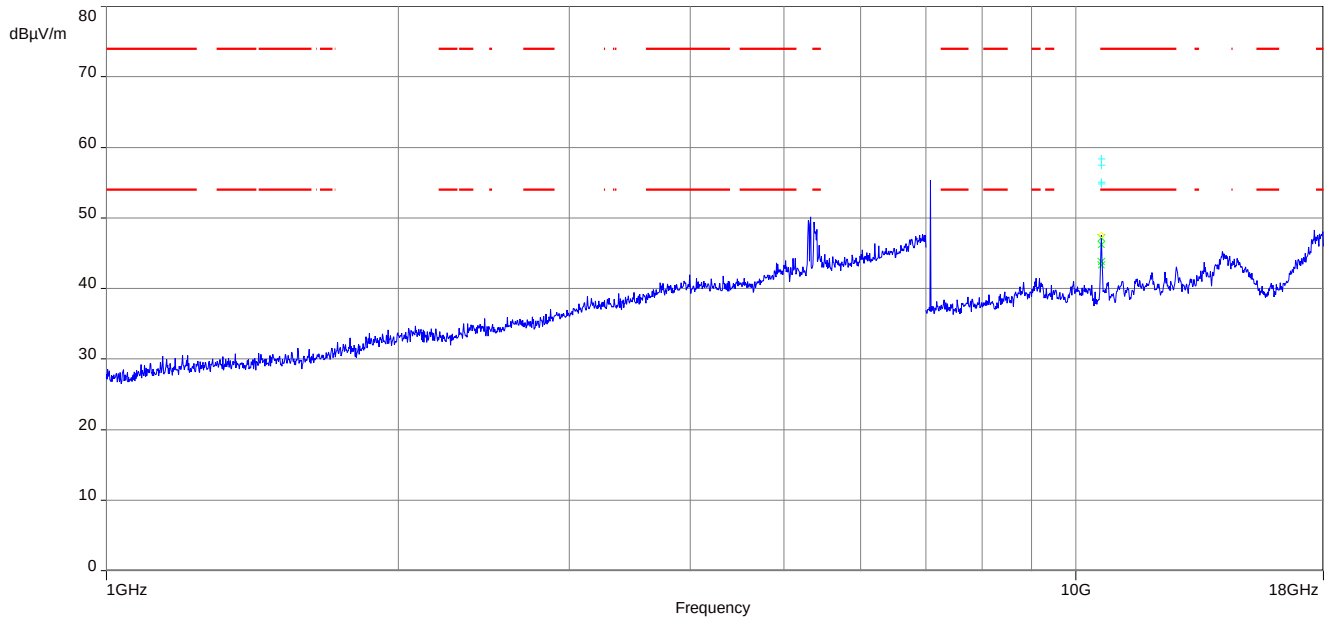
Plot 13: 30 MHz to 1 GHz, 5310 MHz, vertical & horizontal polarization



Final results:

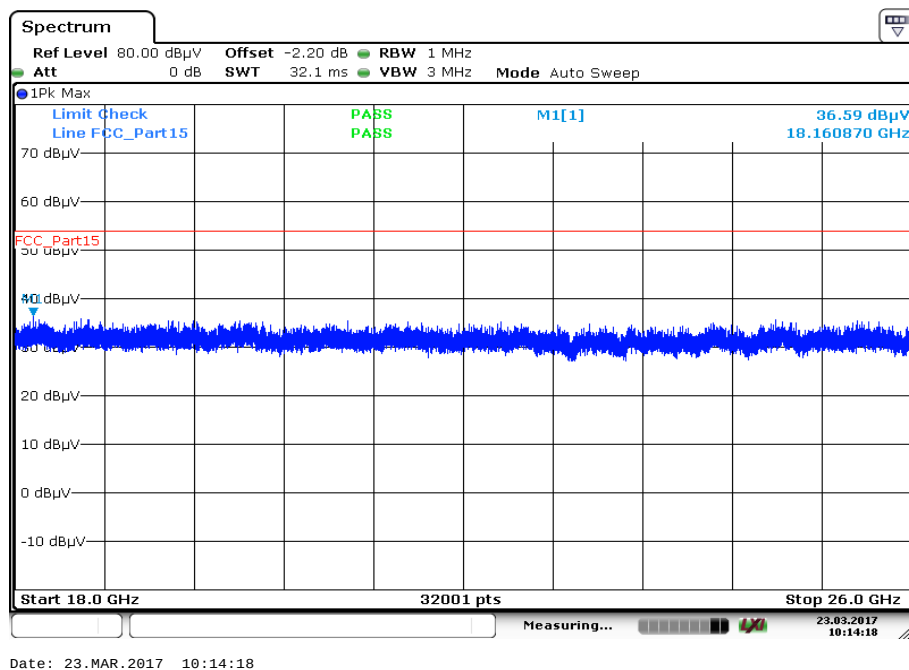
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
35.921850	14.51	30.00	15.49	1000.0	120.000	100.0	V	345.0	12.8
44.986050	18.39	30.00	11.61	1000.0	120.000	98.0	V	138.0	13.6
134.999250	21.20	33.50	12.30	1000.0	120.000	98.0	V	14.0	9.2
179.995500	25.26	33.50	8.24	1000.0	120.000	101.0	V	320.0	10.9
346.490100	29.72	36.00	6.28	1000.0	120.000	185.0	H	83.0	15.9
719.513700	19.39	36.00	16.61	1000.0	120.000	185.0	V	8.0	22.0

Plot 14: 1 GHz to 18 GHz, 5310 MHz, vertical & horizontal polarization

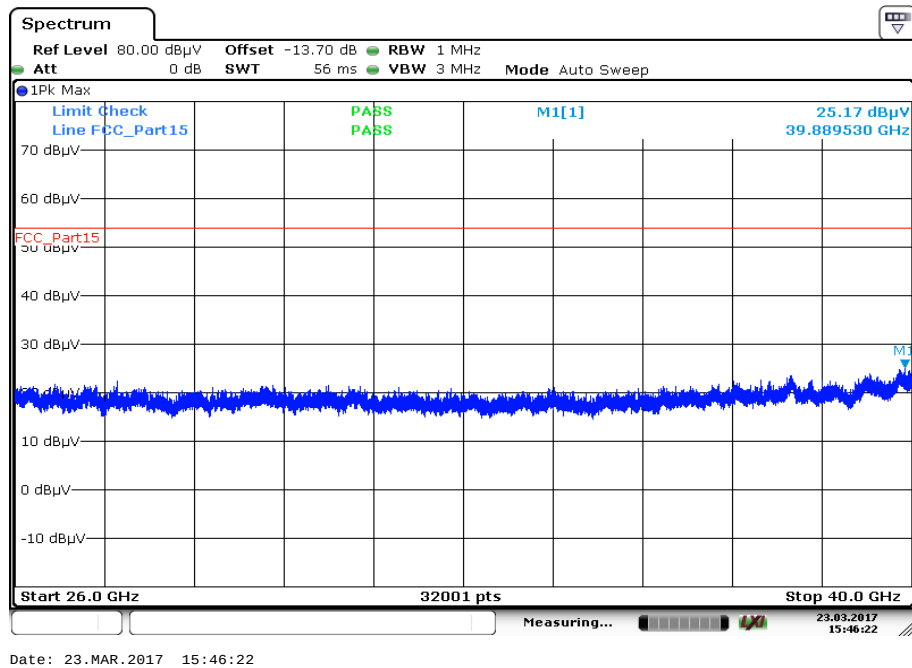


The carrier signal is notched with a band rejection filter.

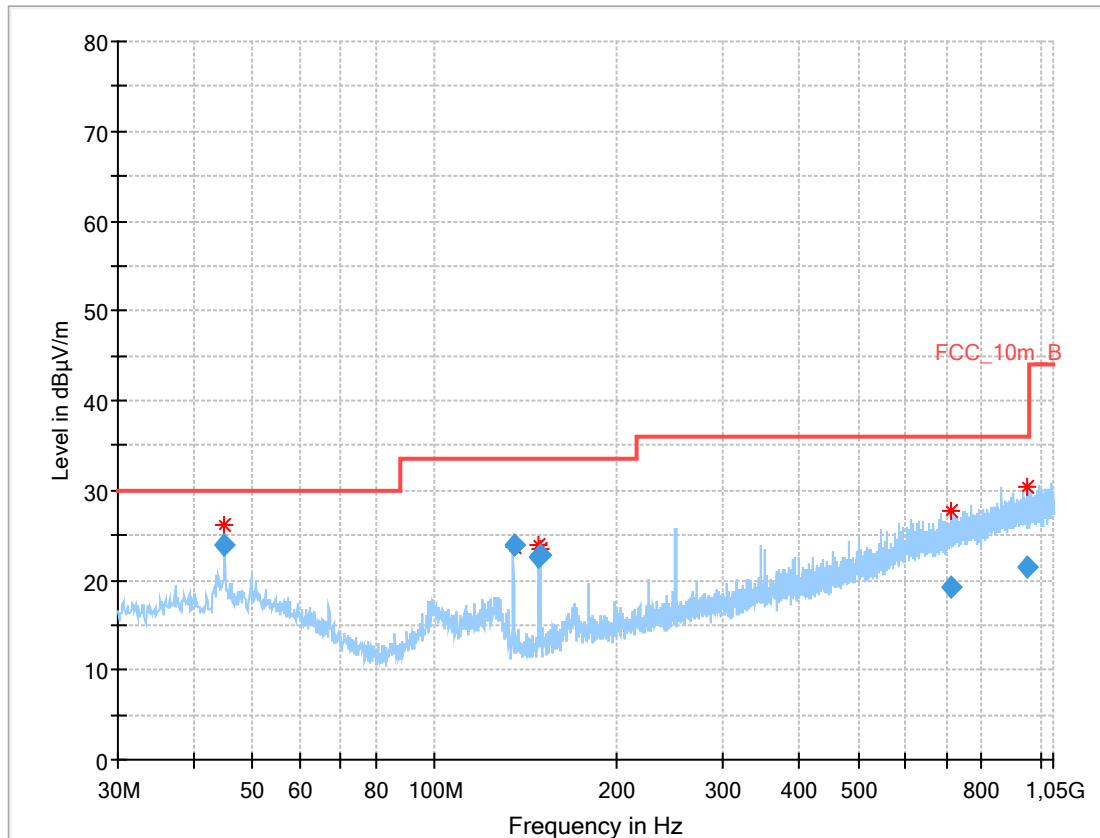
Plot 15: 18 GHz to 26 GHz, 5310 MHz, vertical & horizontal polarization



Plot 16: 26 GHz to 40 GHz, 5310 MHz, vertical & horizontal polarization



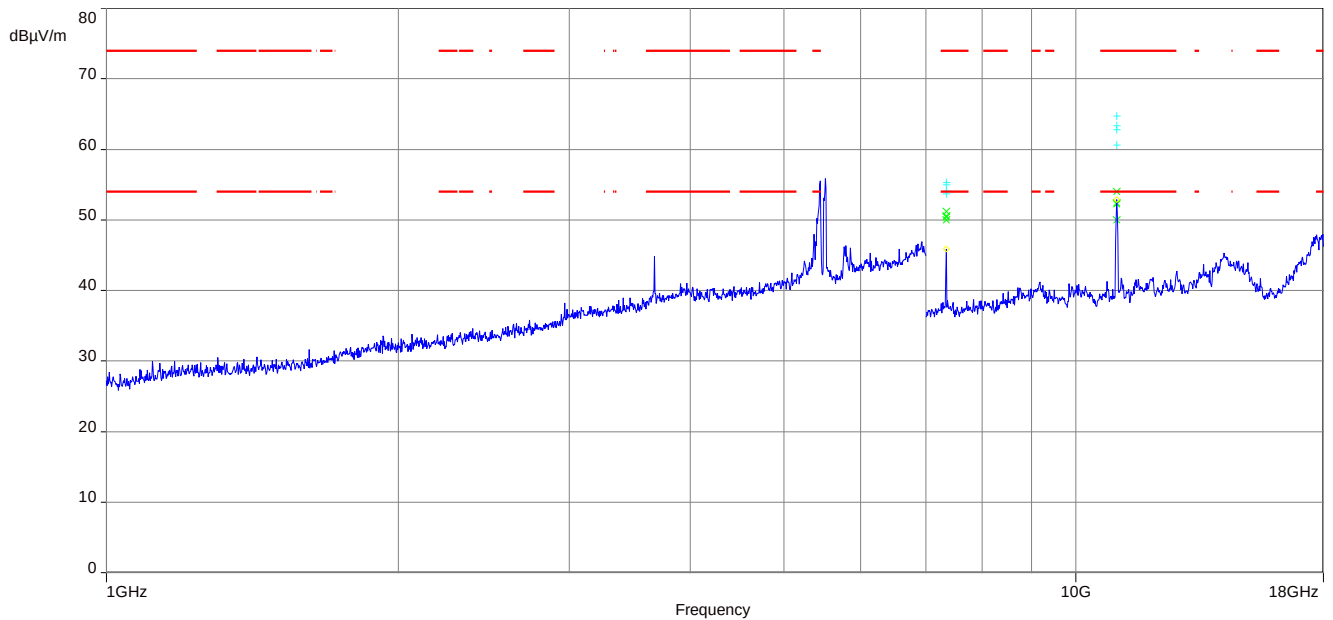
Plot 17: 30 MHz to 1 GHz, 5510 MHz, vertical & horizontal polarization



Final results:

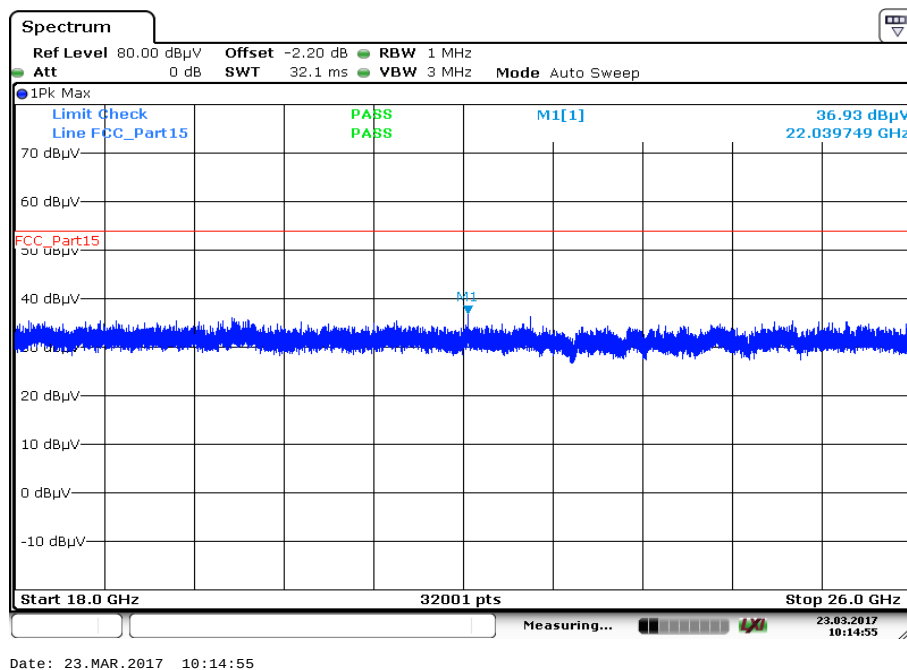
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.981400	24.01	30.00	5.99	1000.0	120.000	98.0	V	283.0	13.6
135.004950	24.02	33.50	9.48	1000.0	120.000	98.0	V	3.0	9.2
148.492350	22.53	33.50	10.97	1000.0	120.000	98.0	V	272.0	9.2
150.002250	22.78	33.50	10.72	1000.0	120.000	101.0	V	272.0	9.3
714.609750	19.23	36.00	16.77	1000.0	120.000	185.0	H	171.0	21.9
949.005300	21.44	36.00	14.56	1000.0	120.000	101.0	H	34.0	24.3

Plot 18: 1 GHz to 18 GHz, 5510 MHz, vertical & horizontal polarization

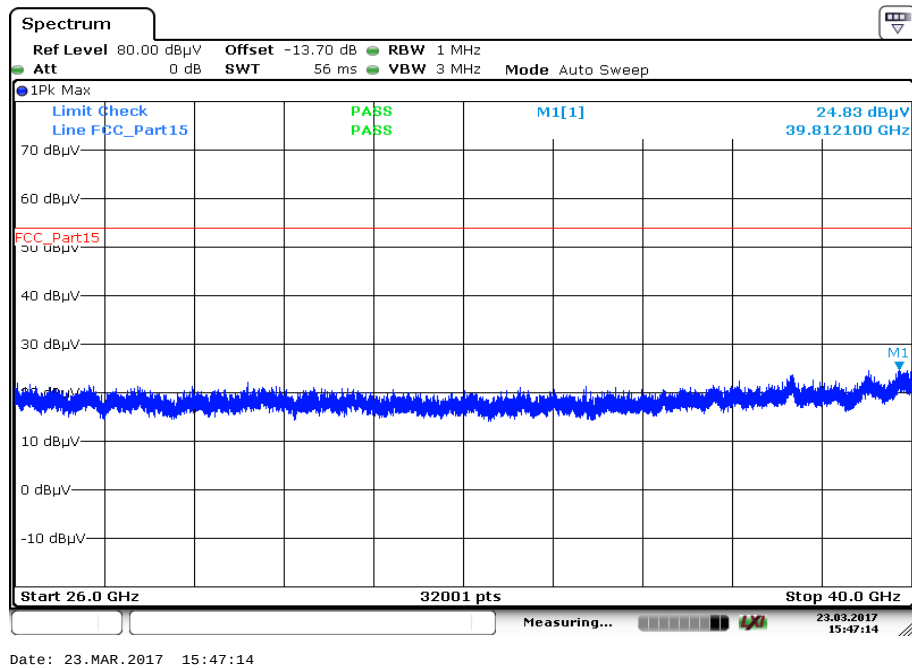


The carrier signal is notched with a band rejection filter.

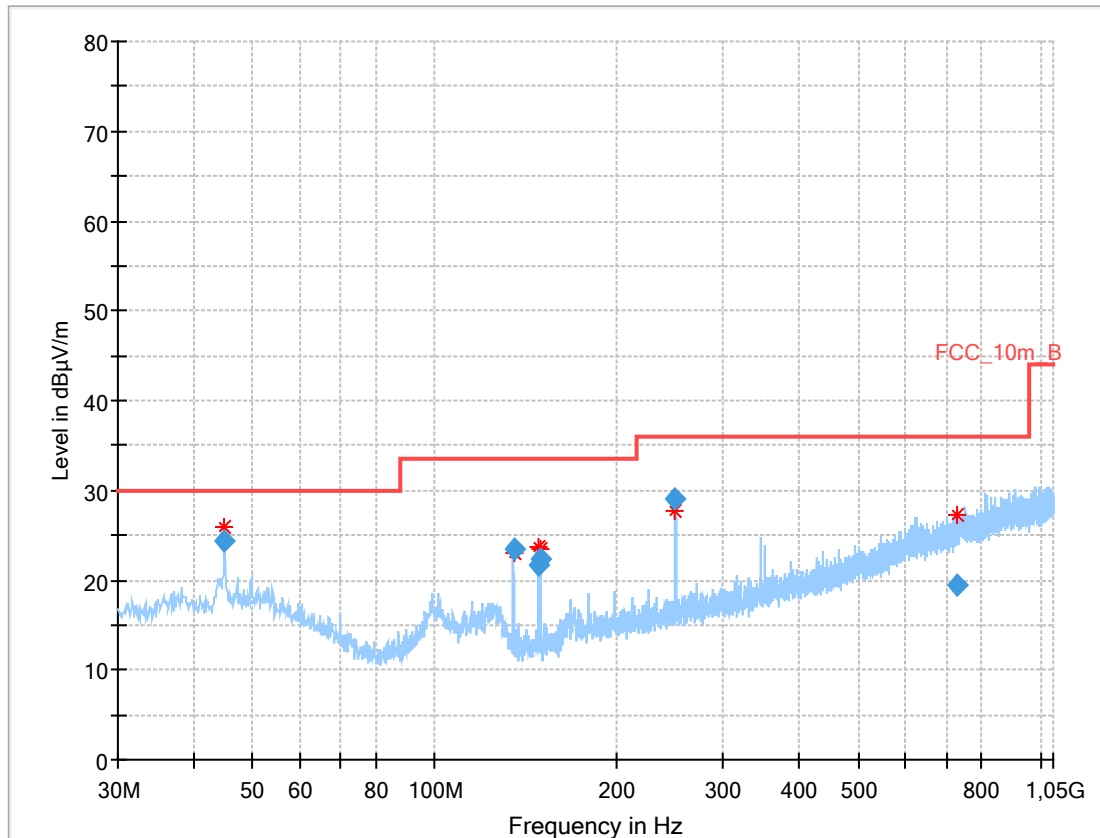
Plot 19: 18 GHz to 26 GHz, 5510 MHz, vertical & horizontal polarization



Plot 20: 26 GHz to 40 GHz, 5510 MHz, vertical & horizontal polarization



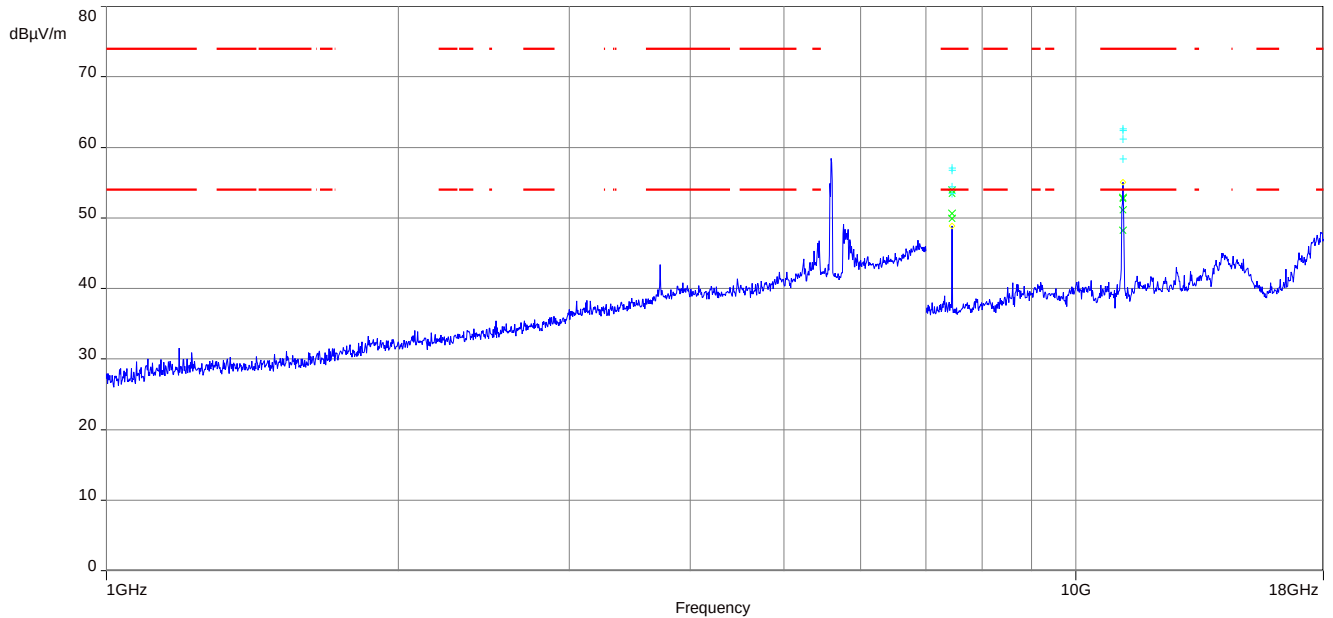
Plot 21: 30 MHz to 1 GHz, 5590 MHz, vertical & horizontal polarization



Final results:

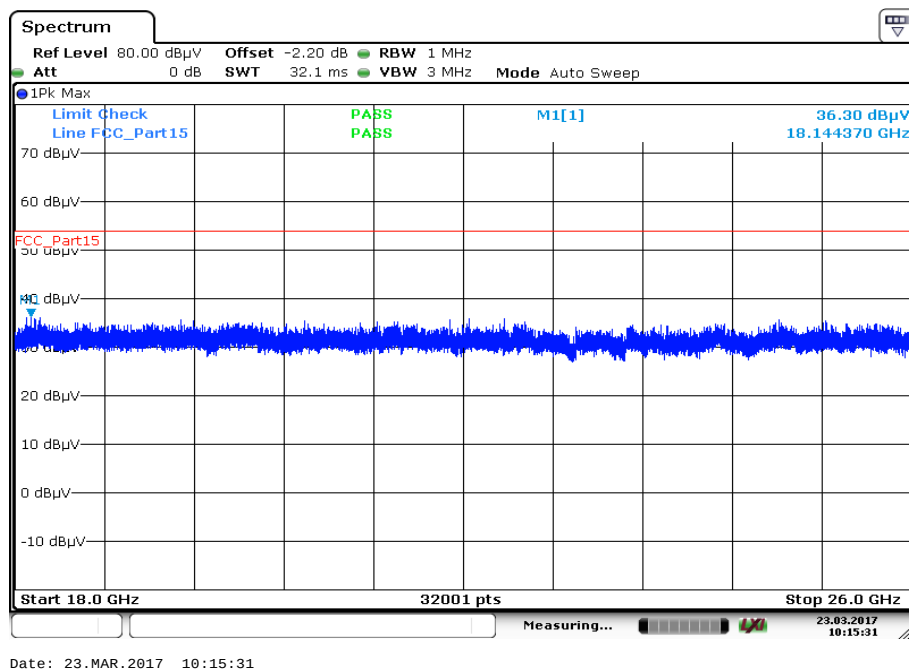
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.980950	24.28	30.00	5.72	1000.0	120.000	98.0	V	6.0	13.6
135.016500	23.54	33.50	9.96	1000.0	120.000	98.0	V	6.0	9.2
148.501500	21.58	33.50	11.92	1000.0	120.000	98.0	V	270.0	9.2
149.985300	22.32	33.50	11.18	1000.0	120.000	101.0	V	277.0	9.3
249.992400	29.07	36.00	6.93	1000.0	120.000	98.0	V	192.0	13.4
726.849000	19.46	36.00	16.54	1000.0	120.000	179.0	V	302.0	22.2

Plot 22: 1 GHz to 18 GHz, 5590 MHz, vertical & horizontal polarization

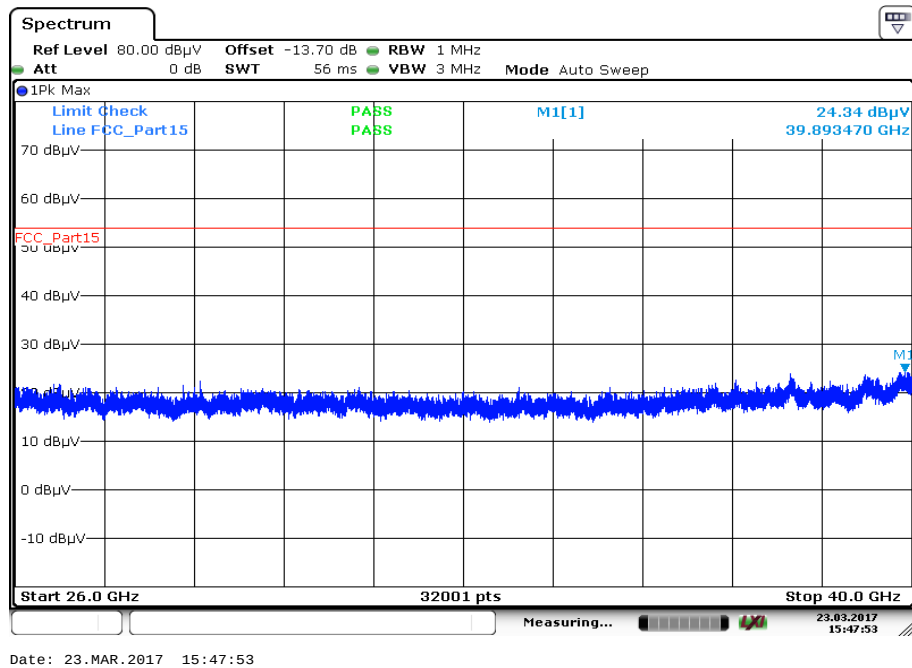


The carrier signal is notched with a band rejection filter.

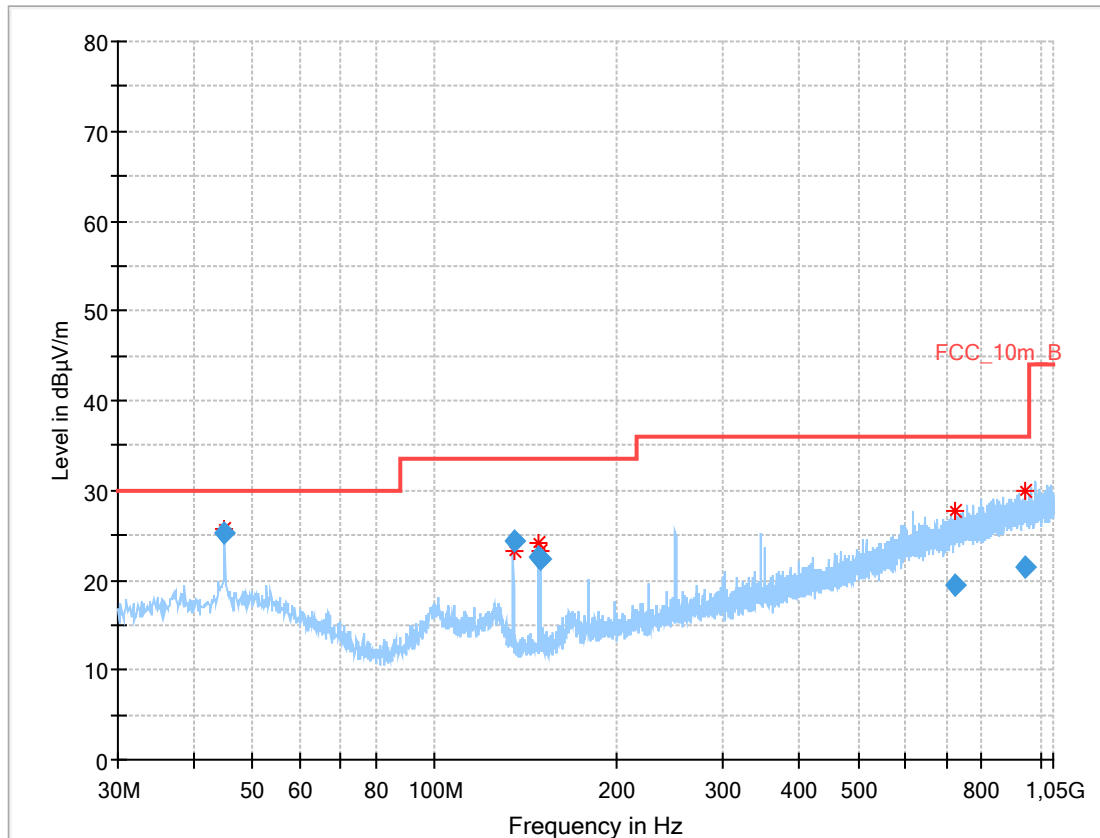
Plot 23: 18 GHz to 26 GHz, 5590 MHz, vertical & horizontal polarization



Plot 24: 26 GHz to 40 GHz, 5590 MHz, vertical & horizontal polarization



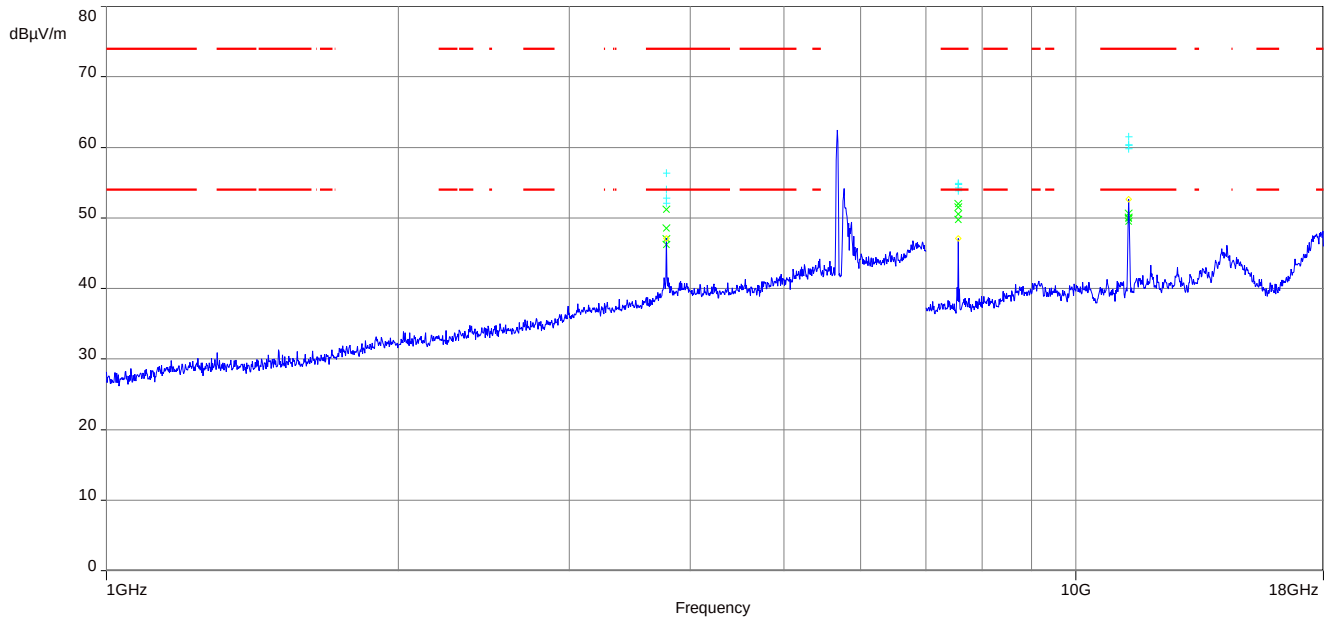
Plot 25: 30 MHz to 1 GHz, 5670 MHz, vertical & horizontal polarization



Final results:

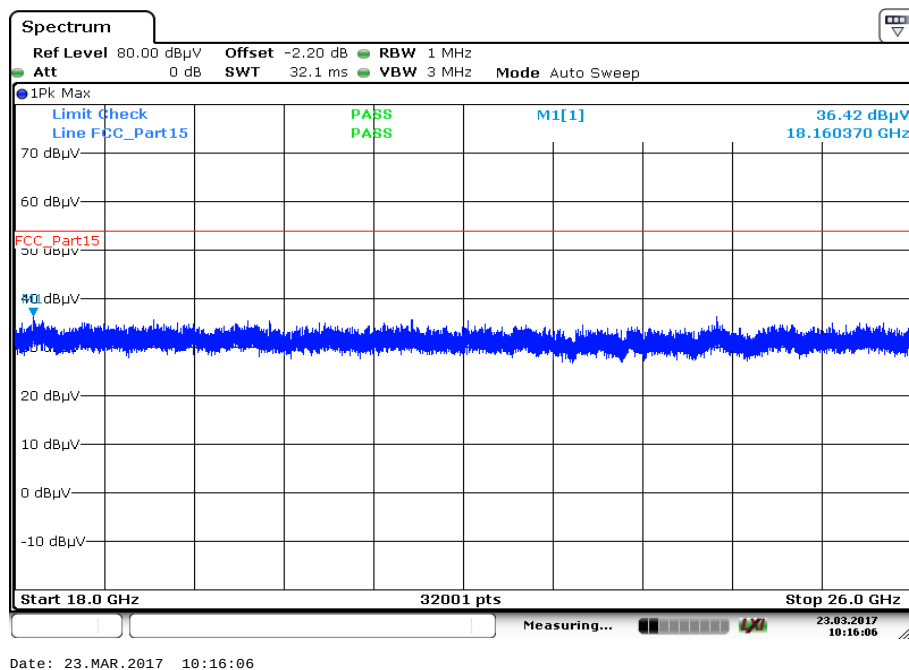
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.998050	25.22	30.00	4.78	1000.0	120.000	98.0	V	141.0	13.6
134.988900	24.27	33.50	9.23	1000.0	120.000	98.0	V	0.0	9.2
148.498800	22.52	33.50	10.98	1000.0	120.000	98.0	V	278.0	9.2
149.997300	22.44	33.50	11.06	1000.0	120.000	98.0	V	271.0	9.3
724.901250	19.43	36.00	16.57	1000.0	120.000	179.0	V	25.0	22.1
942.964950	21.36	36.00	14.64	1000.0	120.000	178.0	V	196.0	24.3

Plot 26: 1 GHz to 18 GHz, 5670 MHz, vertical & horizontal polarization

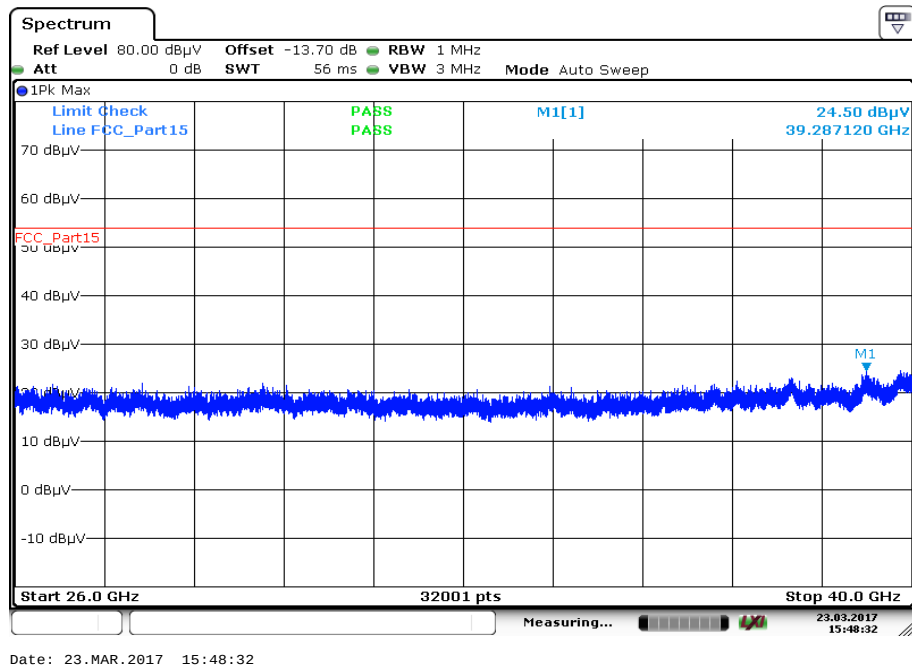


The carrier signal is notched with a band rejection filter.

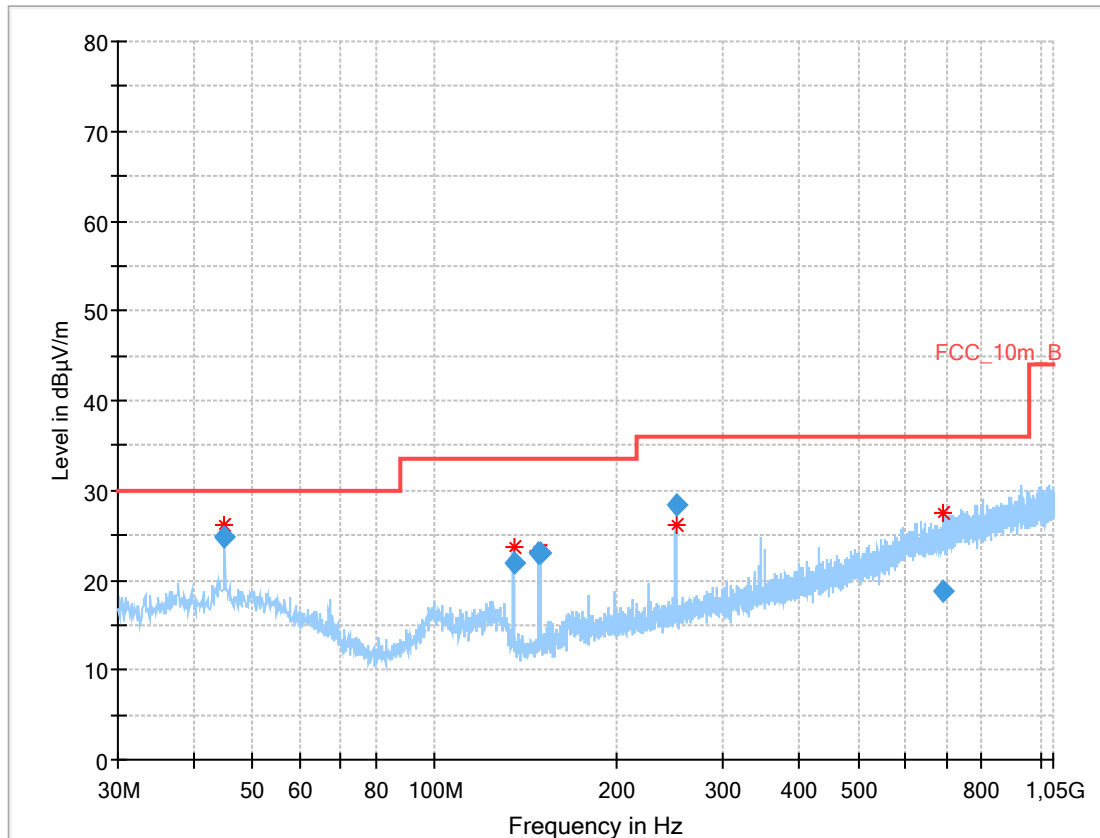
Plot 27: 18 GHz to 26 GHz, 5670 MHz, vertical & horizontal polarization



Plot 28: 26 GHz to 40 GHz, 5670 MHz, vertical & horizontal polarization



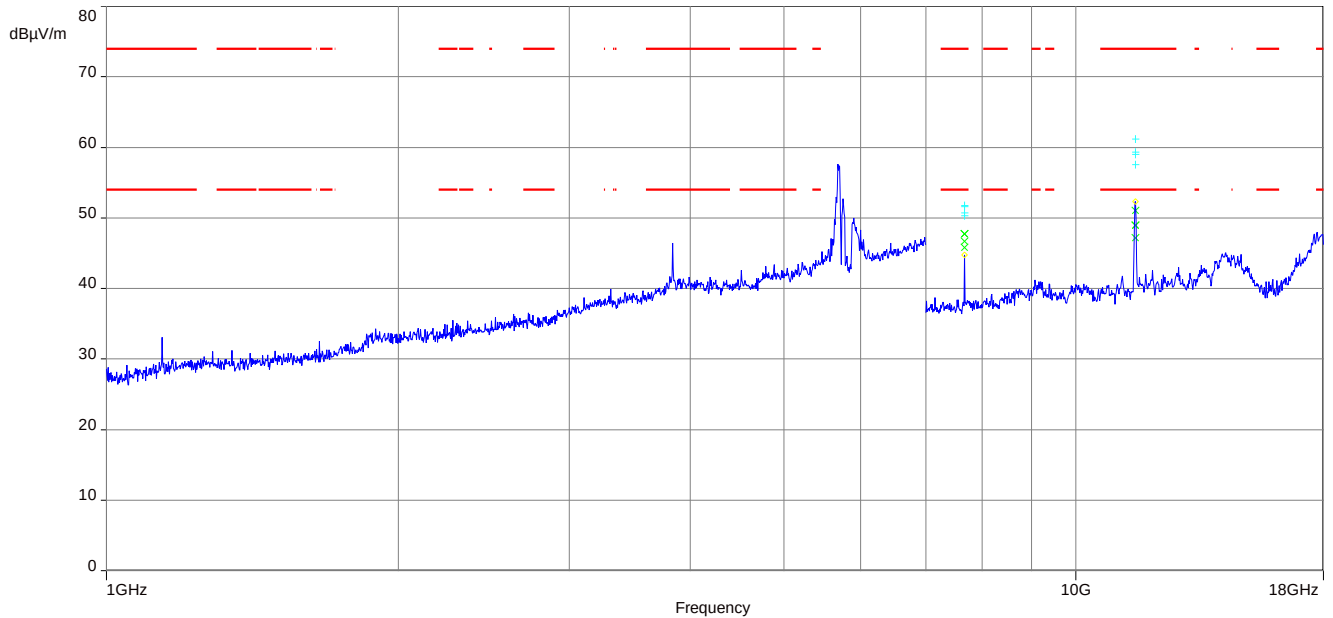
Plot 29: 30 MHz to 1 GHz, 5755 MHz, vertical & horizontal polarization



Final results:

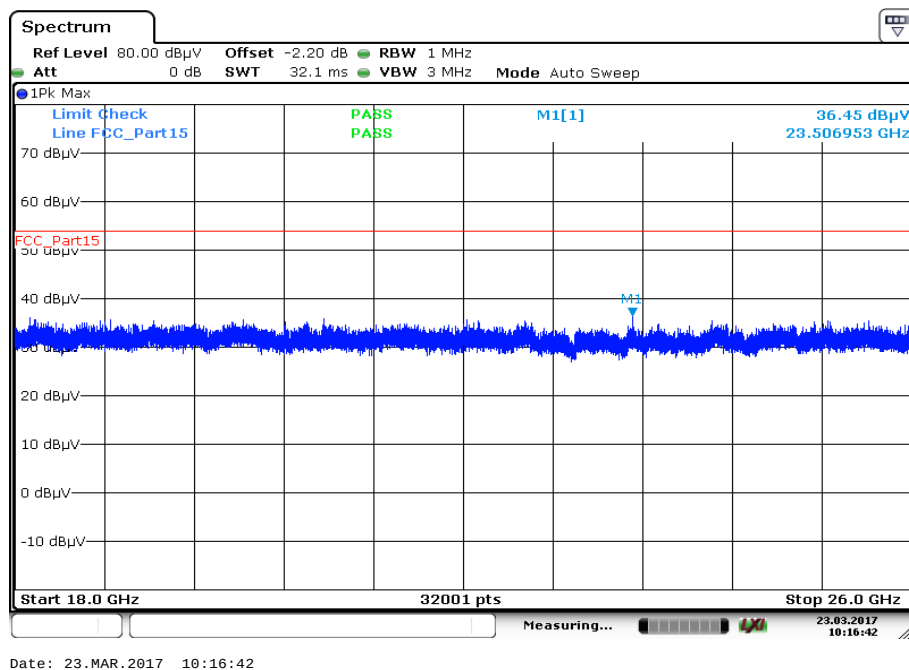
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.999250	24.87	30.00	5.13	1000.0	120.000	101.0	V	69.0	13.6
134.992800	21.98	33.50	11.52	1000.0	120.000	101.0	V	305.0	9.2
148.501200	23.07	33.50	10.43	1000.0	120.000	98.0	V	285.0	9.2
150.001650	22.98	33.50	10.52	1000.0	120.000	98.0	V	298.0	9.3
250.005600	28.30	36.00	7.70	1000.0	120.000	101.0	V	192.0	13.4
692.216250	18.78	36.00	17.22	1000.0	120.000	101.0	H	121.0	21.5

Plot 30: 1 GHz to 18 GHz, 5755 MHz, vertical & horizontal polarization

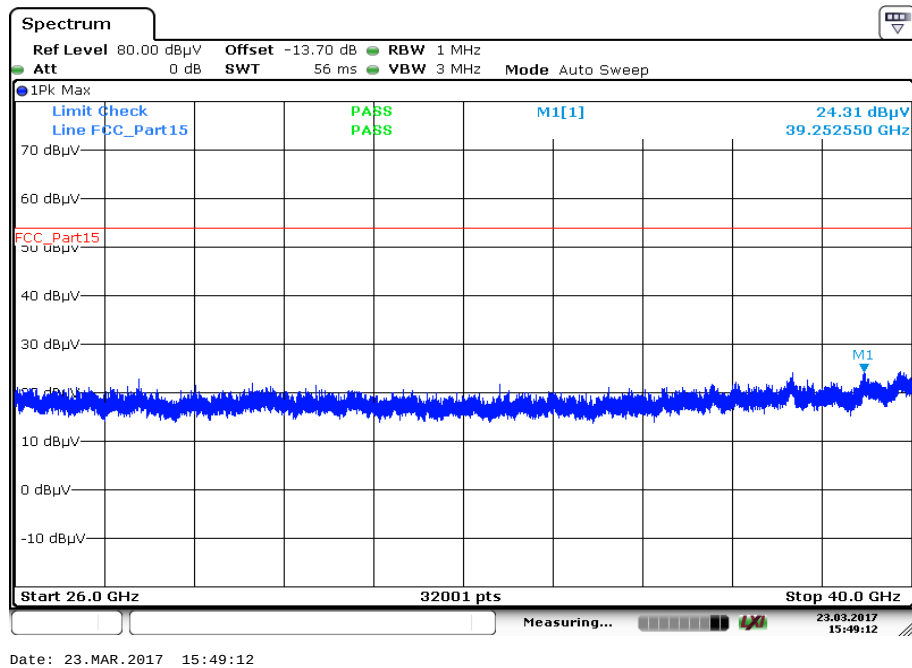


The carrier signal is notched with a band rejection filter.

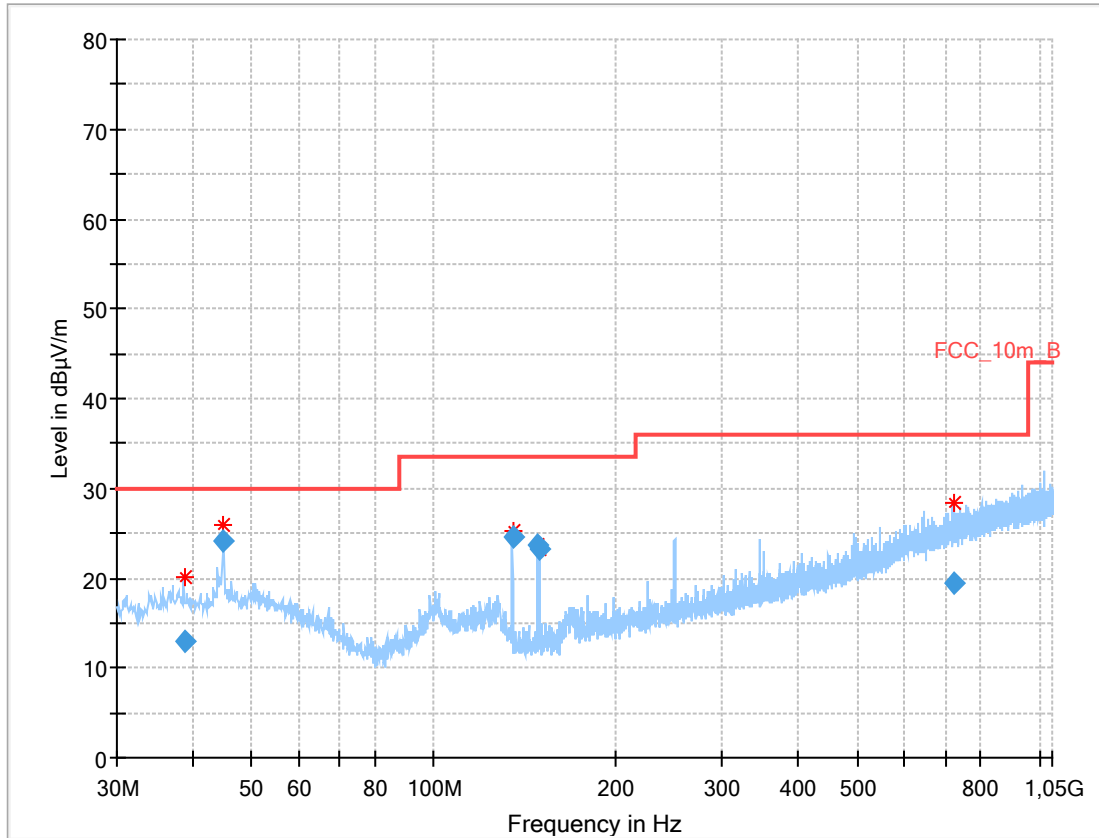
Plot 31: 18 GHz to 26 GHz, 5755 MHz, vertical & horizontal polarization



Plot 32: 26 GHz to 40 GHz, 5755 MHz, vertical & horizontal polarization



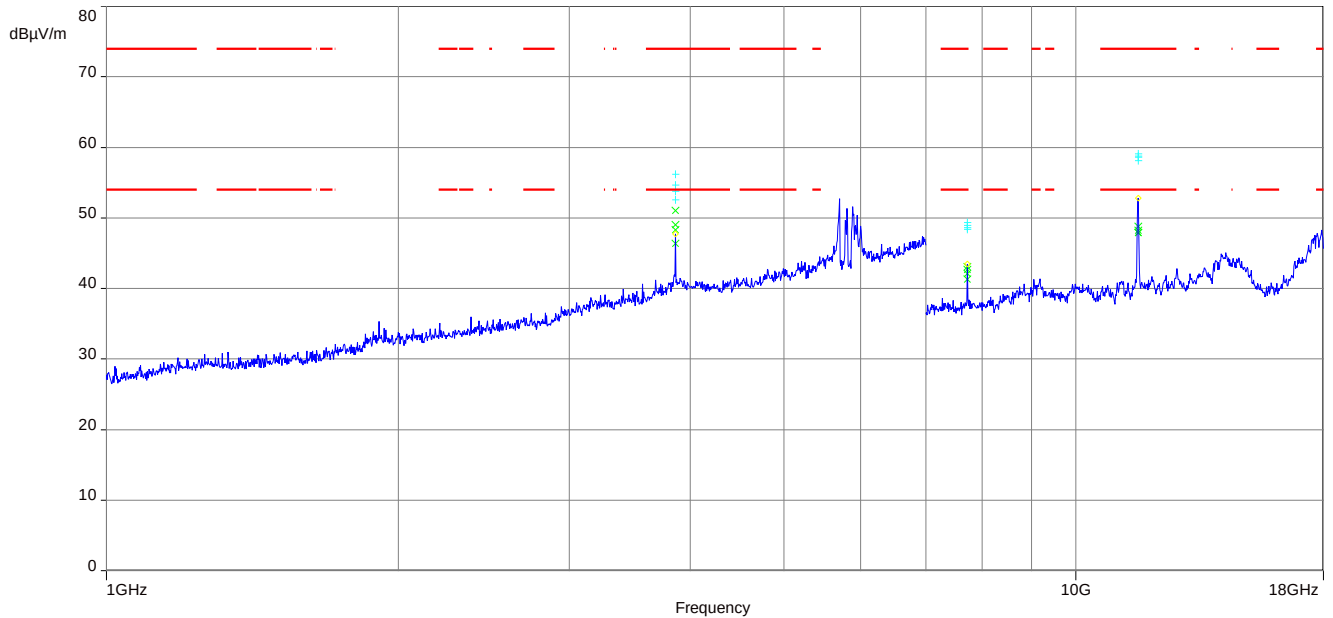
Plot 33: 30 MHz to 1 GHz, 5815 MHz, vertical & horizontal polarization



Final results:

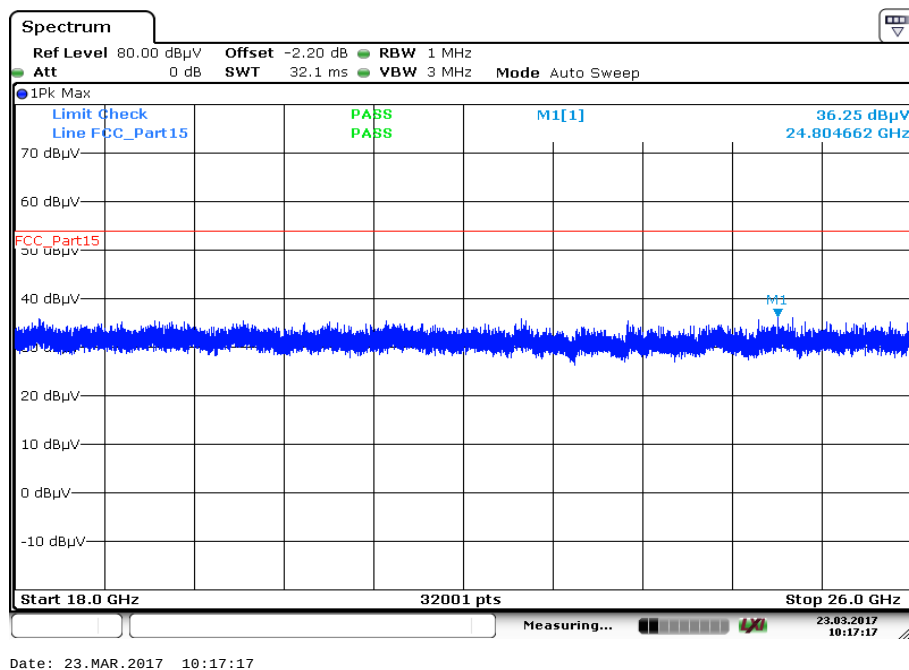
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
38.740800	13.04	30.00	16.96	1000.0	120.000	179.0	V	292.0	13.1
44.971650	24.14	30.00	5.86	1000.0	120.000	98.0	V	216.0	13.6
134.992800	24.57	33.50	8.93	1000.0	120.000	98.0	V	3.0	9.2
148.497750	23.63	33.50	9.87	1000.0	120.000	98.0	V	292.0	9.2
149.992500	23.24	33.50	10.26	1000.0	120.000	98.0	V	292.0	9.3
724.413750	19.50	36.00	16.50	1000.0	120.000	179.0	V	292.0	22.1

Plot 34: 1 GHz to 18 GHz, 5815 MHz, vertical & horizontal polarization

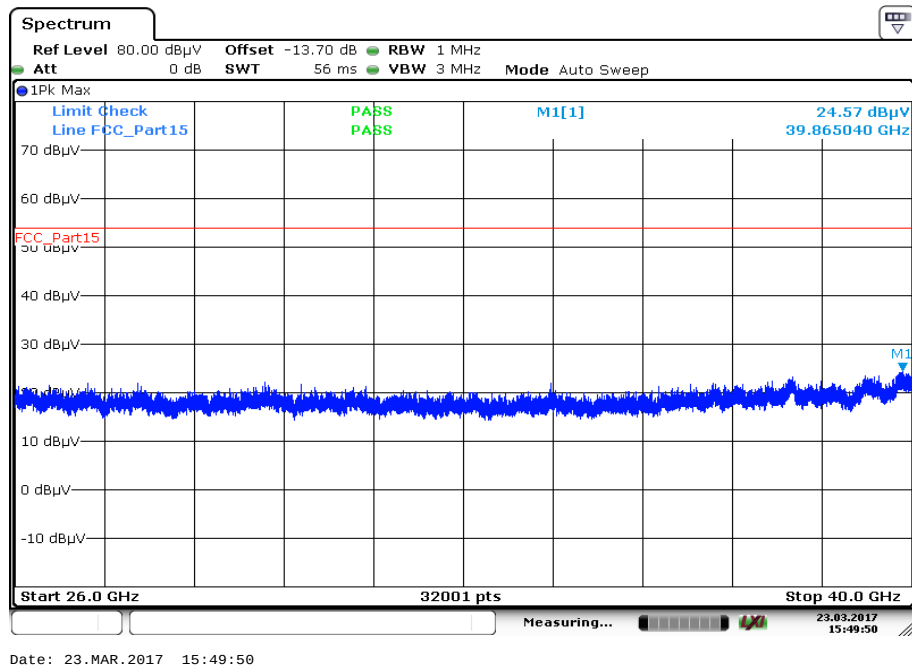


The carrier signal is notched with a band rejection filter.

Plot 35: 18 GHz to 26 GHz, 5815 MHz, vertical & horizontal polarization

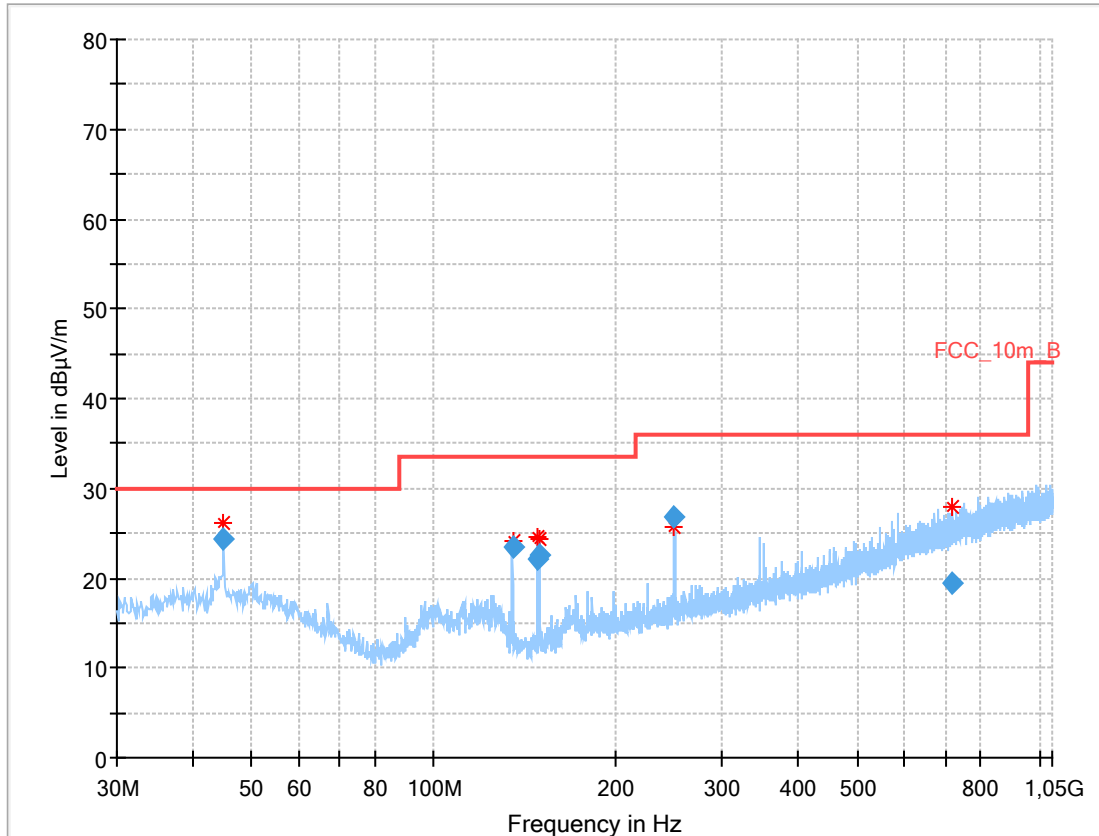


Plot 36: 26 GHz to 40 GHz, 5815 MHz, vertical & horizontal polarization



Plots: OFDM / ac HT80 – mode, ANT-DB1-RAF-xxx antenna

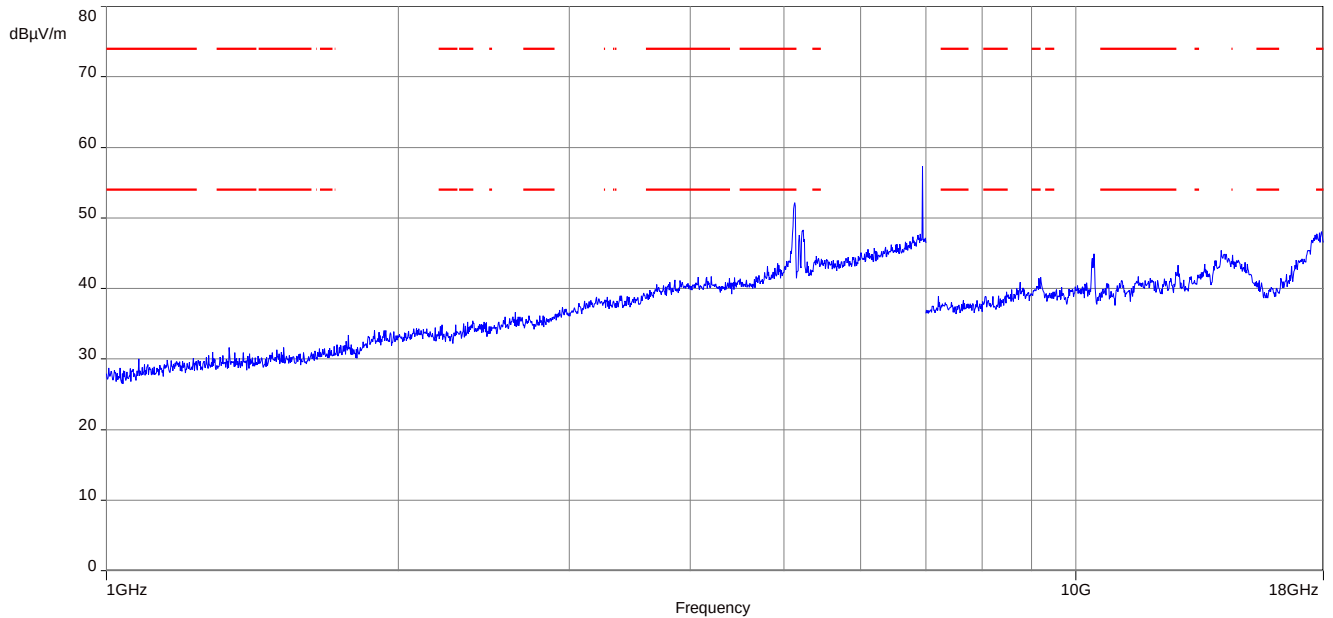
Plot 1: 30 MHz to 1 GHz, 5210 MHz, vertical & horizontal polarization



Final results:

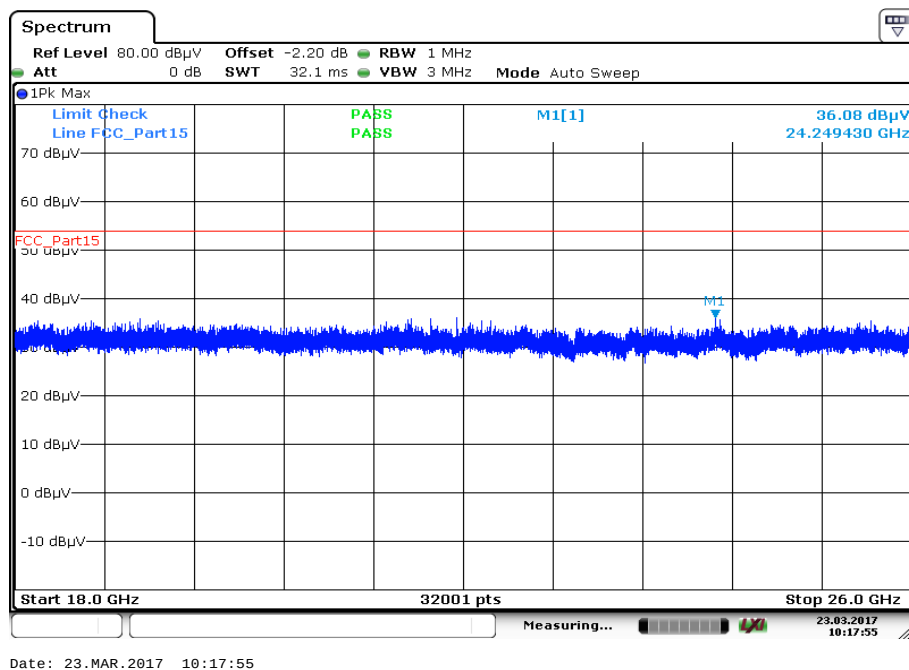
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.019350	24.30	30.00	5.70	1000.0	120.000	98.0	V	39.0	13.6
135.013650	23.39	33.50	10.11	1000.0	120.000	98.0	V	25.0	9.2
148.485600	22.14	33.50	11.36	1000.0	120.000	98.0	V	283.0	9.2
150.000000	22.51	33.50	10.99	1000.0	120.000	98.0	V	283.0	9.3
249.994650	26.80	36.00	9.20	1000.0	120.000	101.0	V	199.0	13.4
719.836650	19.36	36.00	16.64	1000.0	120.000	101.0	H	345.0	22.0

Plot 2: 1 GHz to 18 GHz, 5210 MHz, vertical & horizontal polarization

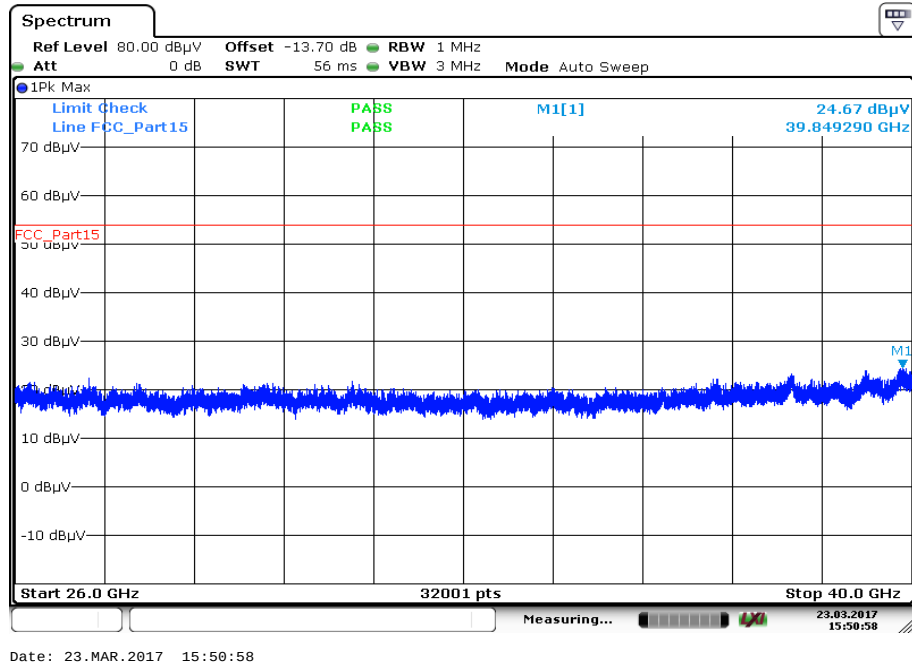


The carrier signal is notched with a band rejection filter.

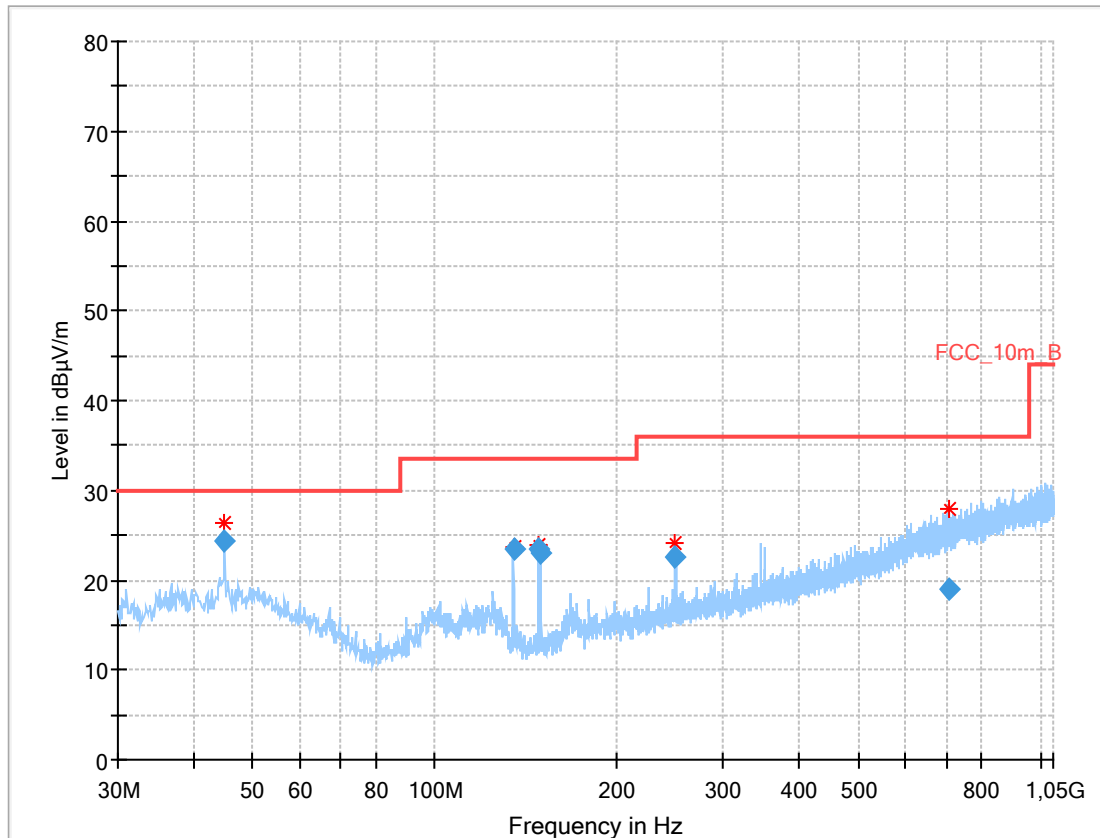
Plot 3: 18 GHz to 26 GHz, 5210 MHz, vertical & horizontal polarization



Plot 4: 26 GHz to 40 GHz, 5210 MHz, vertical & horizontal polarization



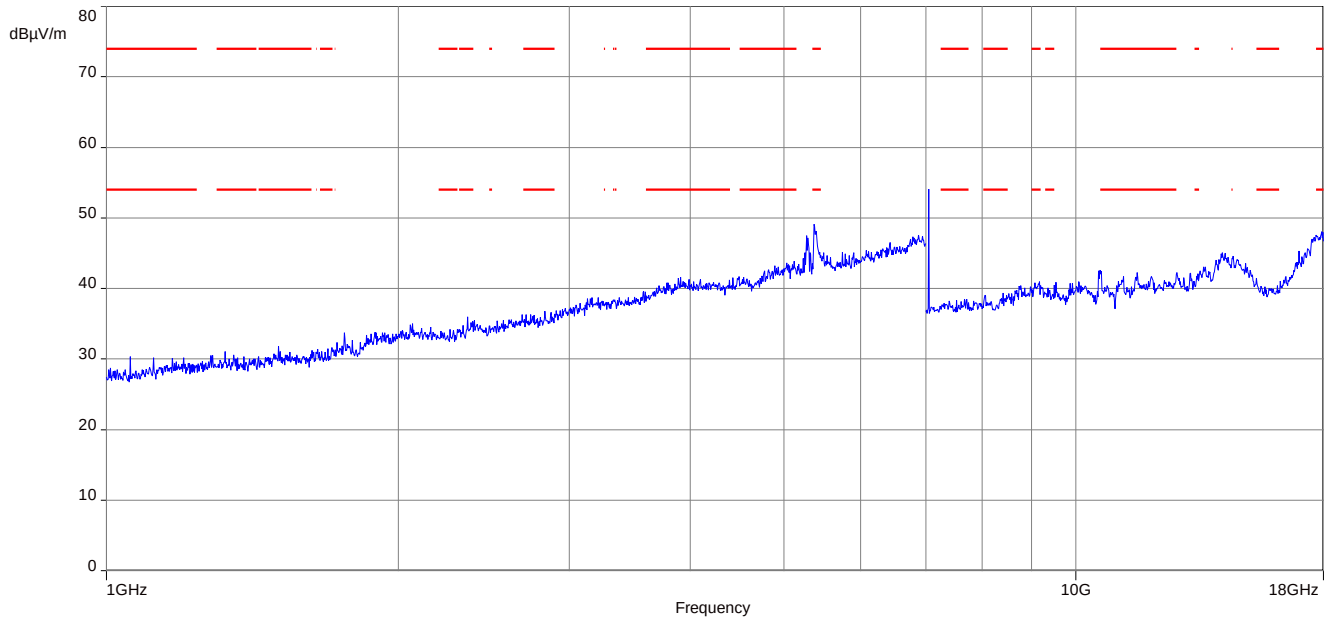
Plot 5: 30 MHz to 1 GHz, 5290 MHz, vertical & horizontal polarization



Final results:

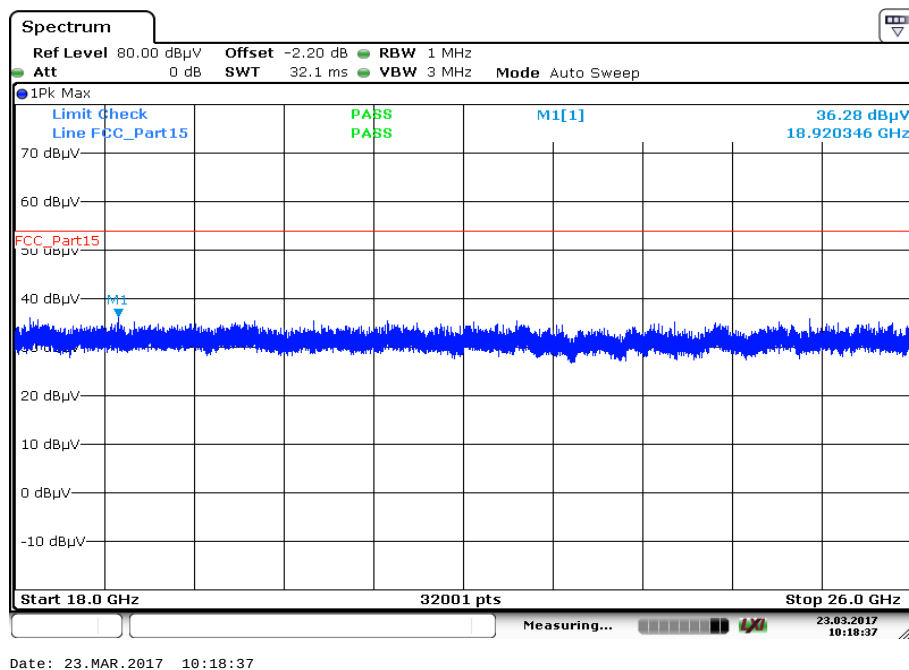
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.013200	24.25	30.00	5.75	1000.0	120.000	178.0	V	96.0	13.6
135.023400	23.47	33.50	10.03	1000.0	120.000	98.0	V	11.0	9.2
148.493700	23.37	33.50	10.13	1000.0	120.000	101.0	V	297.0	9.2
149.995800	23.06	33.50	10.44	1000.0	120.000	98.0	V	290.0	9.3
249.999600	22.56	36.00	13.44	1000.0	120.000	105.0	V	82.0	13.4
704.394150	18.95	36.00	17.05	1000.0	120.000	178.0	H	244.0	21.7

Plot 6: 1 GHz to 18 GHz, 5290 MHz, vertical & horizontal polarization

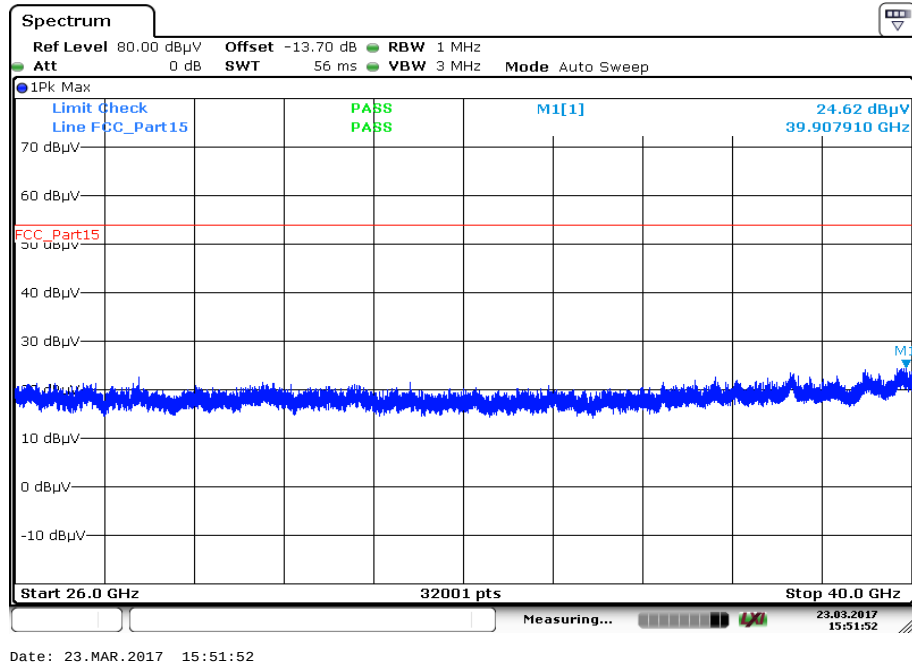


The carrier signal is notched with a band rejection filter.

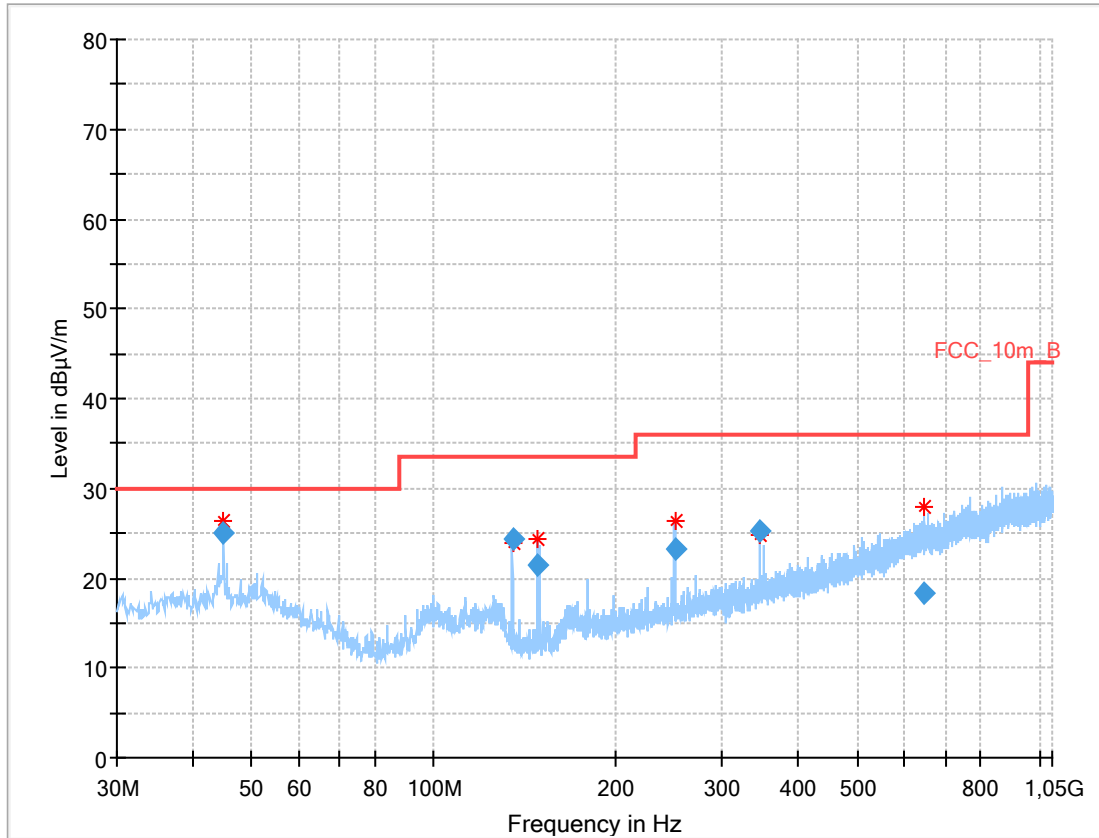
Plot 7: 18 GHz to 26 GHz, 5290 MHz, vertical & horizontal polarization



Plot 8: 26 GHz to 40 GHz, 5290 MHz, vertical & horizontal polarization



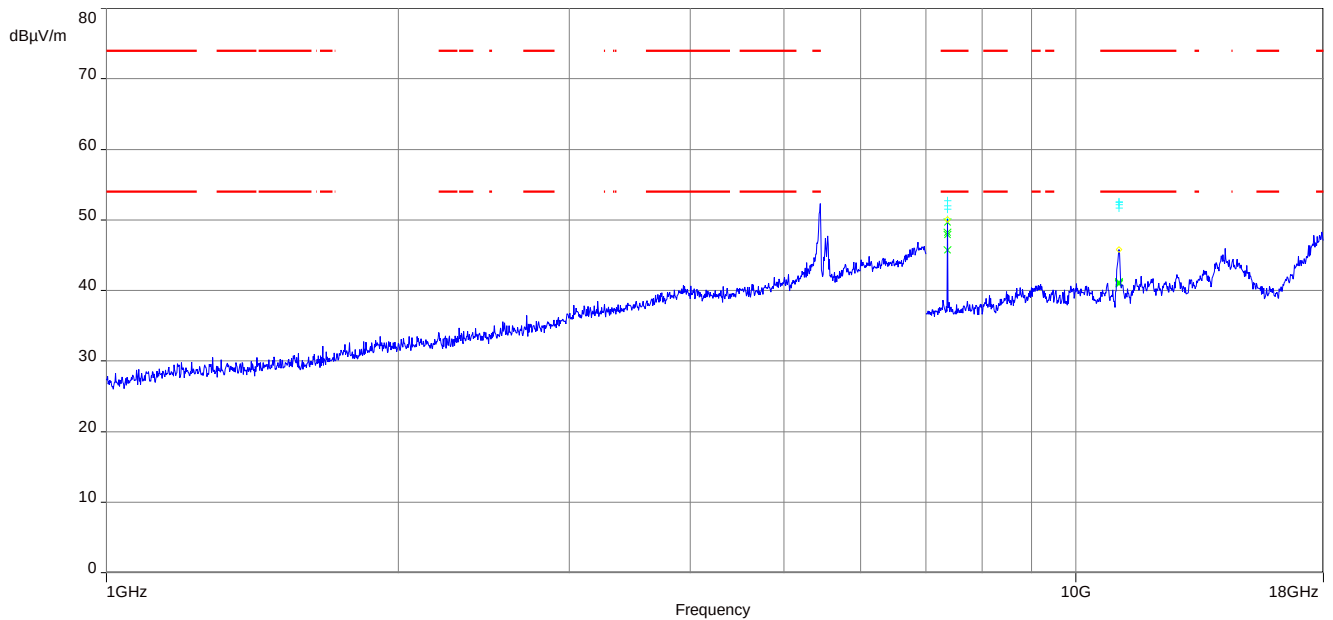
Plot 9: 30 MHz to 1 GHz, 5530 MHz, vertical & horizontal polarization



Final results:

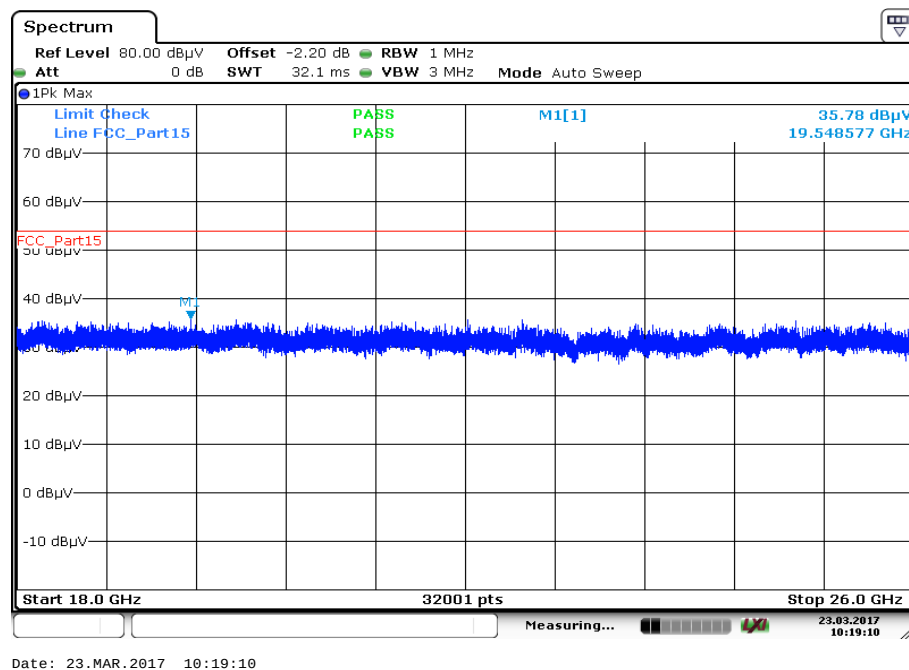
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.005400	24.97	30.00	5.03	1000.0	120.000	98.0	V	243.0	13.6
135.008550	24.33	33.50	9.17	1000.0	120.000	185.0	V	3.0	9.2
148.479150	21.52	33.50	11.98	1000.0	120.000	98.0	V	281.0	9.2
250.002900	23.28	36.00	12.72	1000.0	120.000	98.0	V	209.0	13.4
346.466250	25.28	36.00	10.72	1000.0	120.000	185.0	H	273.0	15.9
644.320050	18.25	36.00	17.75	1000.0	120.000	101.0	H	342.0	21.1

Plot 10: 1 GHz to 18 GHz, 5530 MHz, vertical & horizontal polarization

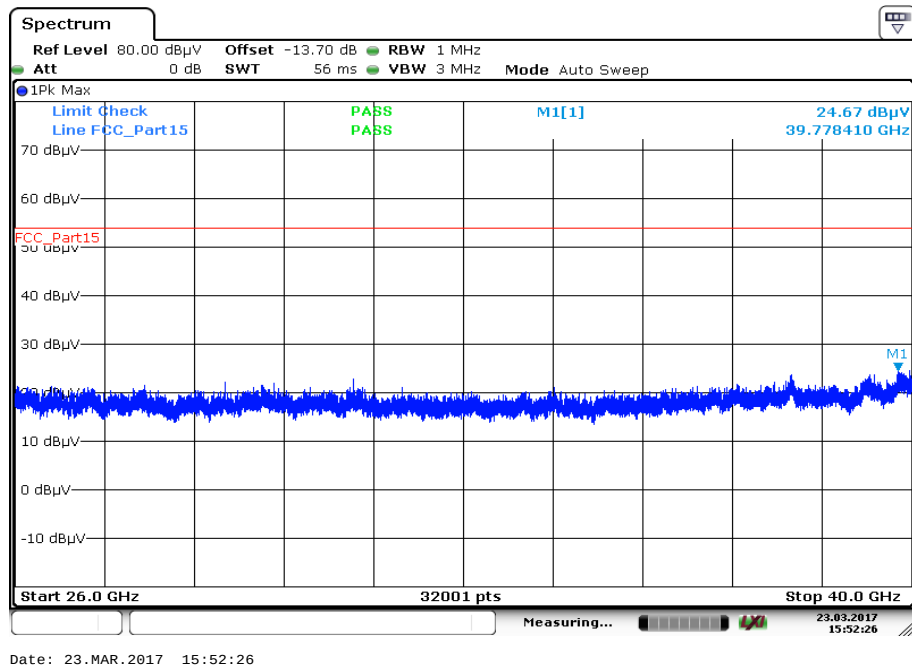


The carrier signal is notched with a band rejection filter.

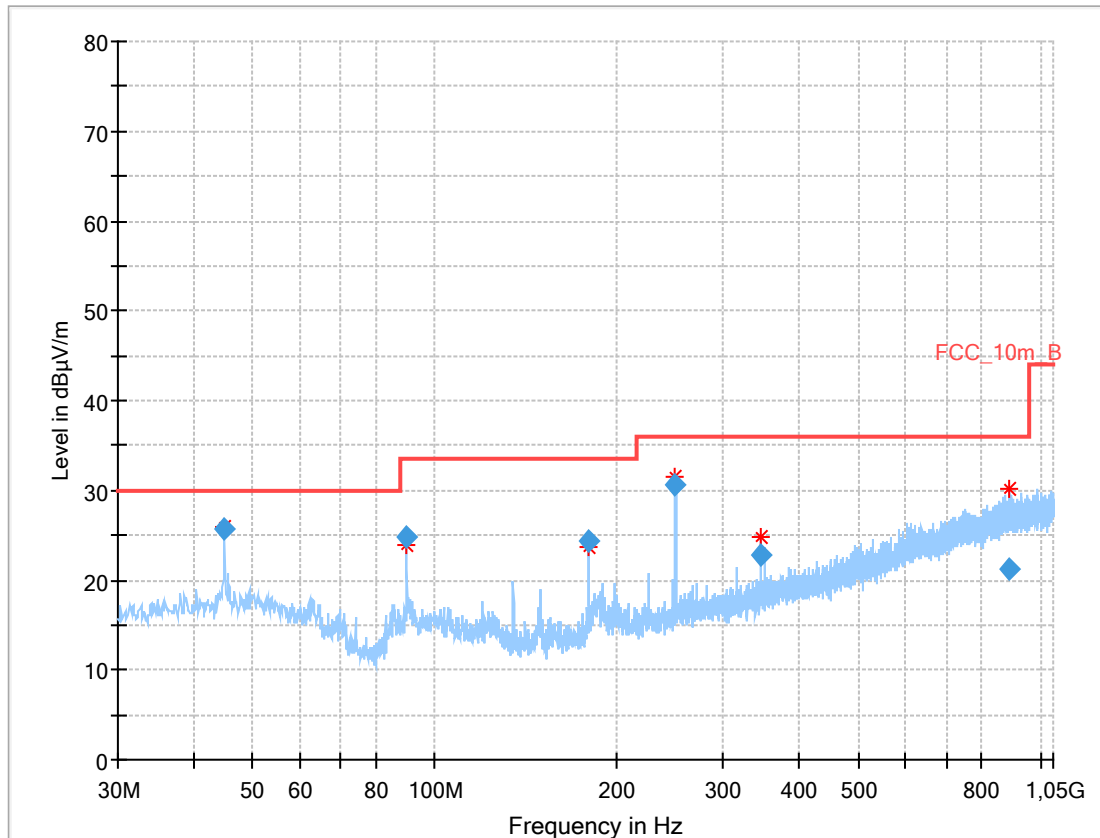
Plot 11: 18 GHz to 26 GHz, 5530 MHz, vertical & horizontal polarization



Plot 12: 26 GHz to 40 GHz, 5530 MHz, vertical & horizontal polarization



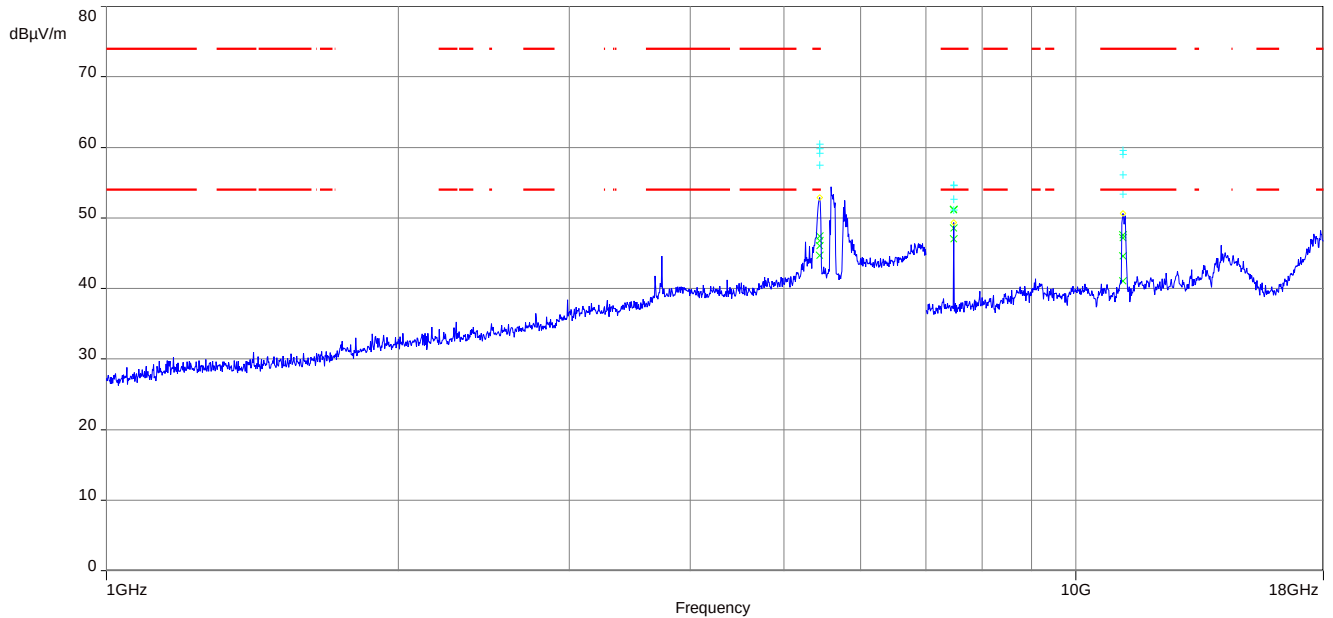
Plot 13: 30 MHz to 1 GHz, 5610 MHz, vertical & horizontal polarization



Final results:

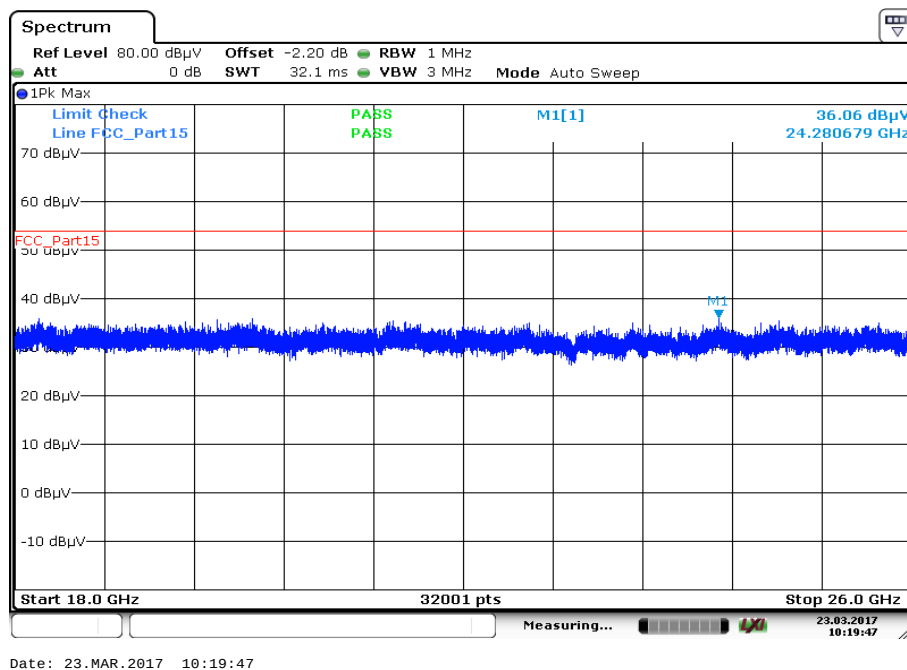
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
44.996100	25.68	30.00	4.32	1000.0	120.000	98.0	V	260.0	13.6
90.001800	24.79	33.50	8.71	1000.0	120.000	102.0	V	-10.0	9.3
180.023700	24.25	33.50	9.25	1000.0	120.000	98.0	V	82.0	10.9
249.993900	30.64	36.00	5.36	1000.0	120.000	98.0	V	-10.0	13.4
346.503300	22.89	36.00	13.11	1000.0	120.000	98.0	V	280.0	15.9
888.195750	21.26	36.00	14.74	1000.0	120.000	170.0	H	-8.0	24.0

Plot 14: 1 GHz to 18 GHz, 5610 MHz, vertical & horizontal polarization

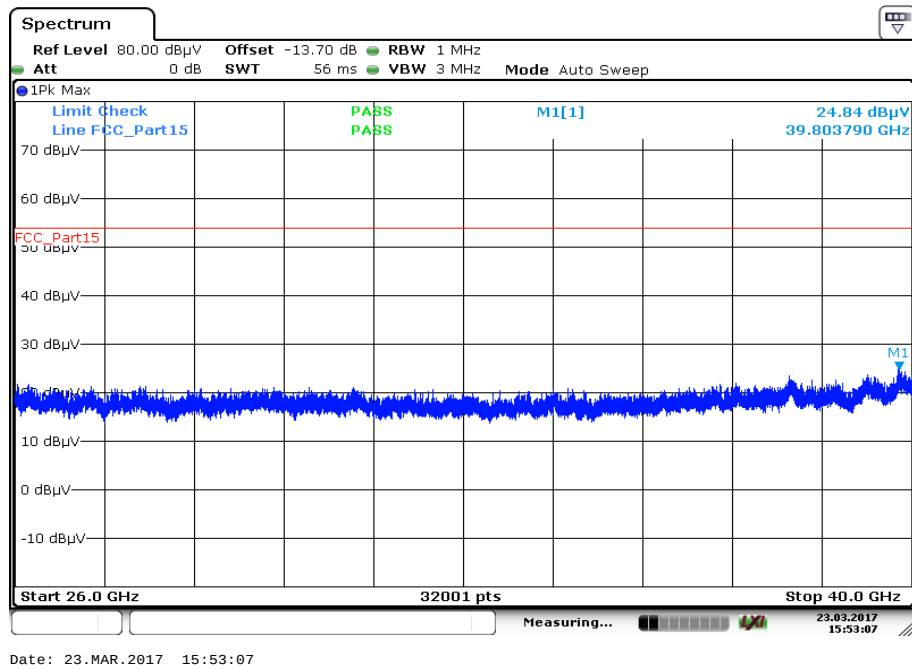


The carrier signal is notched with a band rejection filter.

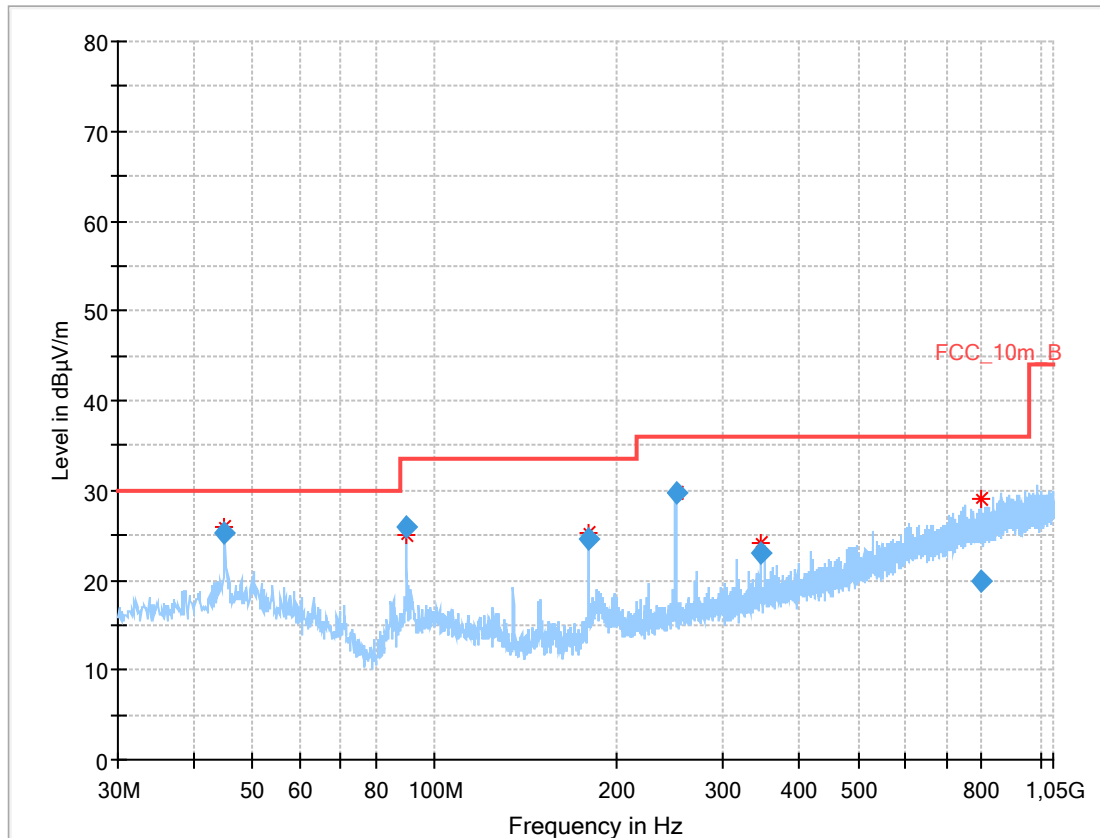
Plot 15: 18 GHz to 26 GHz, 5610 MHz, vertical & horizontal polarization



Plot 16: 26 GHz to 40 GHz, 5610 MHz, vertical & horizontal polarization



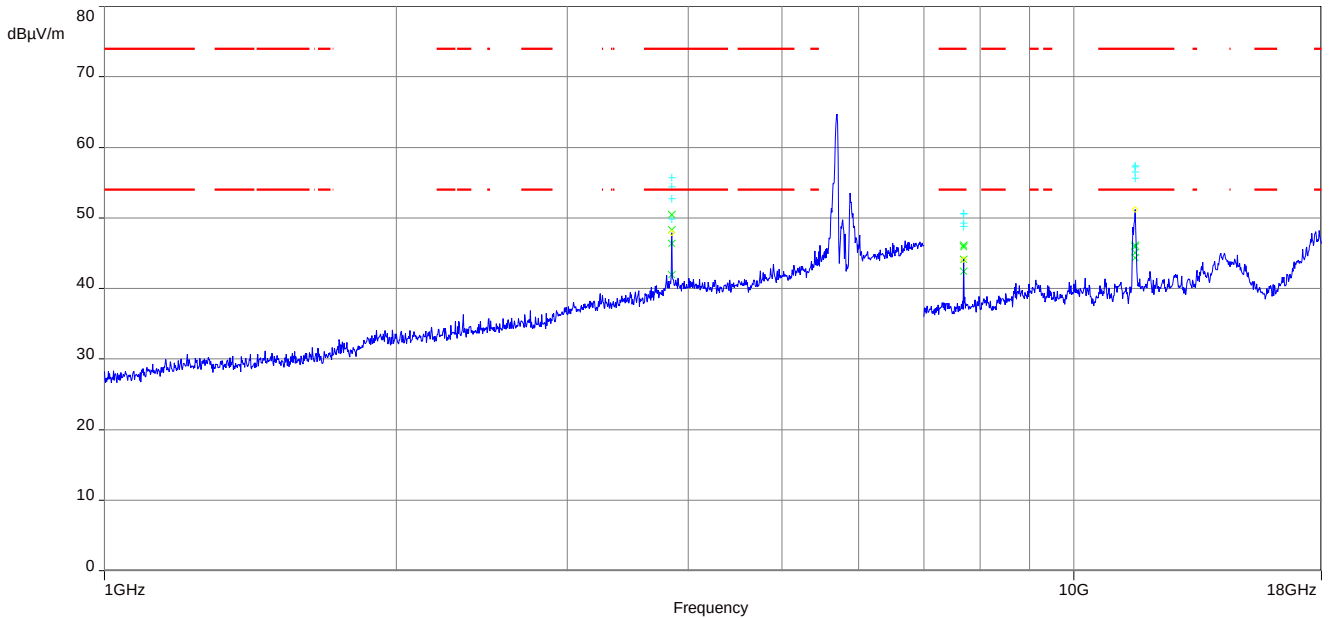
Plot 17: 30 MHz to 1 GHz, 5775 MHz, vertical & horizontal polarization



Final results:

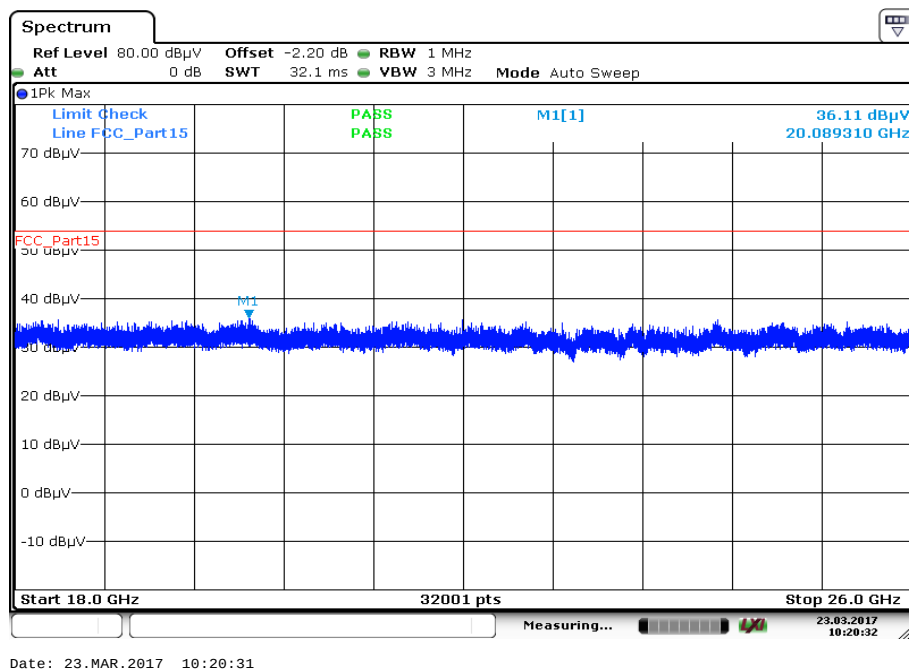
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
45.008850	25.23	30.00	4.77	1000.0	120.000	98.0	V	260.0	13.6
89.974950	25.98	33.50	7.52	1000.0	120.000	98.0	V	-8.0	9.3
180.018900	24.58	33.50	8.92	1000.0	120.000	98.0	V	81.0	10.9
250.007700	29.79	36.00	6.21	1000.0	120.000	98.0	V	170.0	13.4
346.500750	23.07	36.00	12.93	1000.0	120.000	101.0	V	280.0	15.9
800.008050	19.93	36.00	16.07	1000.0	120.000	101.0	V	-10.0	22.8

Plot 18: 1 GHz to 18 GHz, 5775 MHz, vertical & horizontal polarization



The carrier signal is notched with a band rejection filter.

Plot 19: 18 GHz to 26 GHz, 5775 MHz, vertical & horizontal polarization



Plot 20: 26 GHz to 40 GHz, 5775 MHz, vertical & horizontal polarization

