

Annex A

Measurement plots

part of / in addition to

Test report no.: 24060222-41089-0

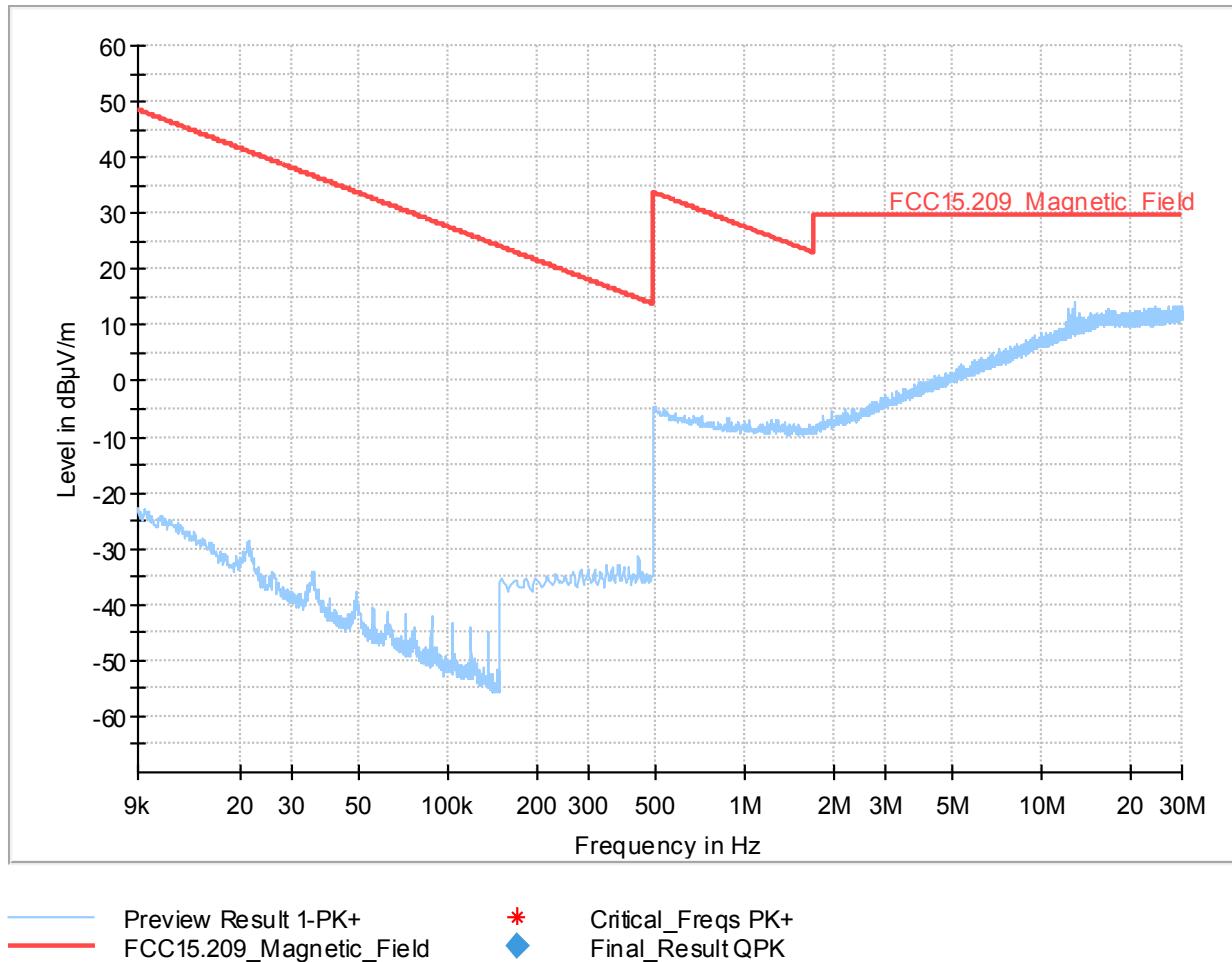
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1 General Limit - Radiated field strength emissions, 9 kHz – 12.75 GHz

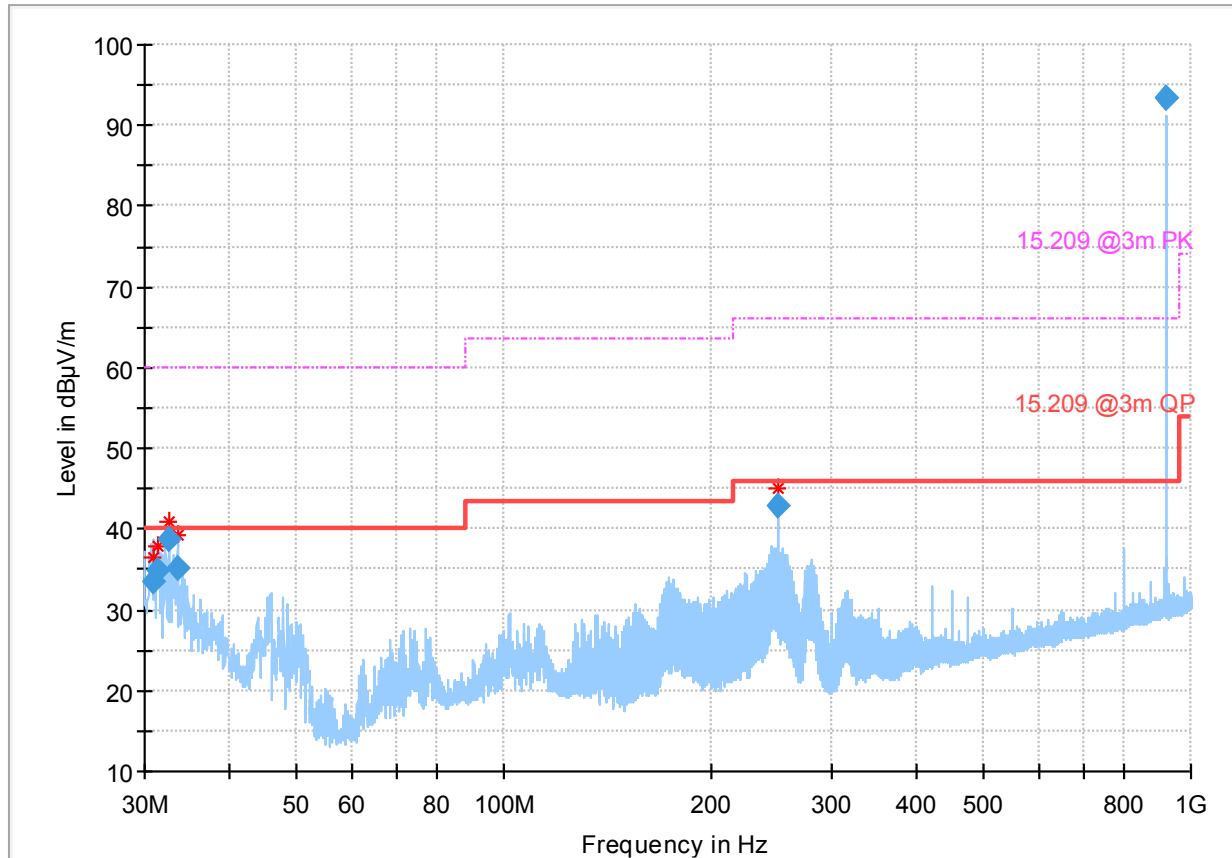
1.1 Radiated field strength measurements ($f < 30$ MHz)

1.1.1 Set-up 1, 9 kHz – 30 MHz, Op. 1 - 6



1.2 Radiated field strength measurements (30 MHz < f < 1000 MHz)

1.2.1 Set-up 1, Op. 1

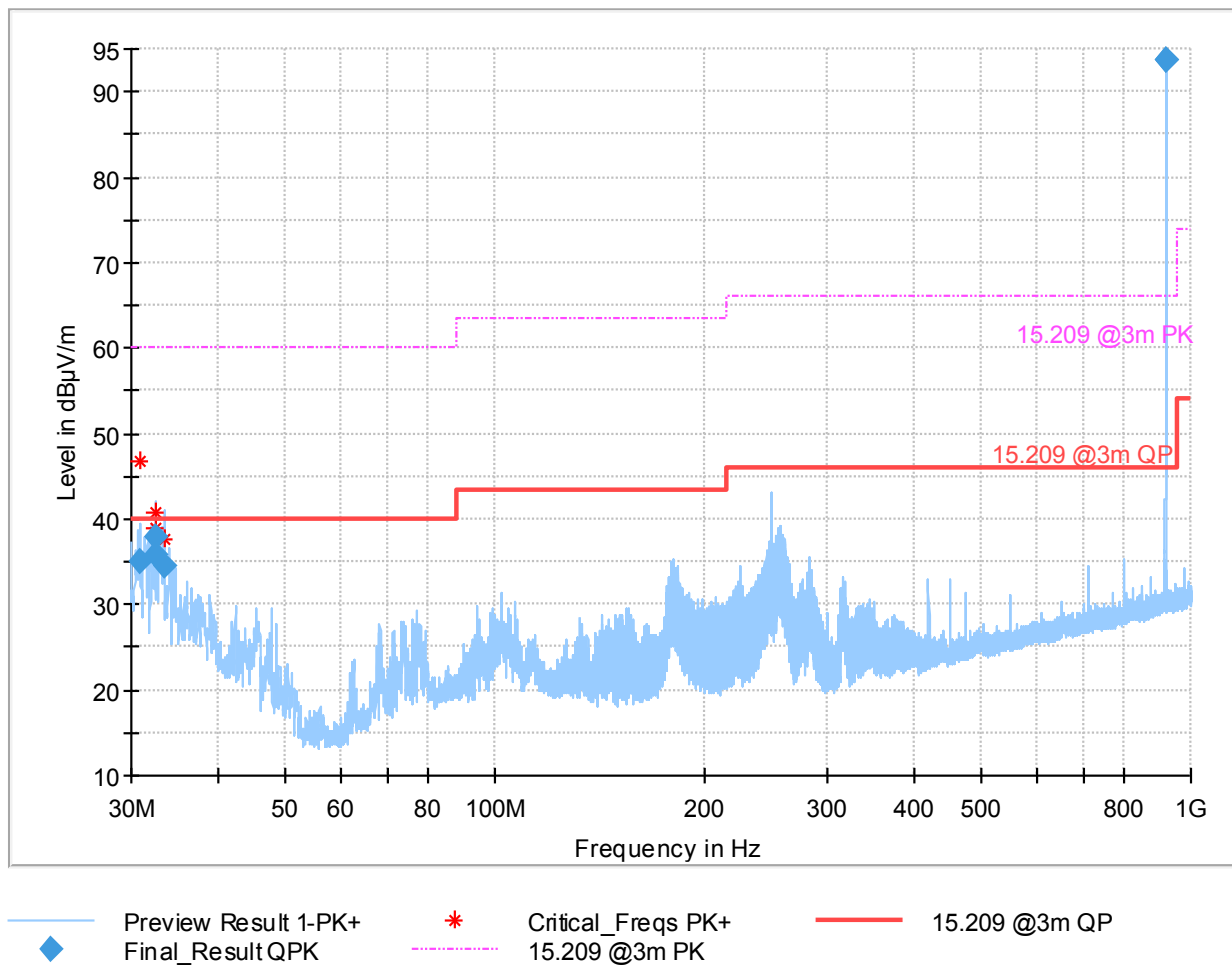


— Preview Result 1-PK+ 15.209 @3m PK
— 15.209 @3m PK
— 15.209 @3m QP
◆ Final_Result QPK
✱ Critical_Freqs PK+

Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
30.880000	33.33	40.00	6.67	100.0	120.000	103.0	V	-5.0
31.300000	34.88	40.00	5.12	100.0	120.000	100.0	V	175.0
32.600000	38.74	40.00	1.26	100.0	120.000	100.0	V	120.0
33.475000	35.14	40.00	4.86	100.0	120.000	100.0	V	116.0
249.975000	42.89	46.00	3.11	100.0	120.000	103.0	H	100.0
919.725000	93.40	46.00	-47.40	100.0	120.000	115.0	V	-24.0
919.730000	93.32	46.00	-47.32	100.0	120.000	117.0	V	-24.0

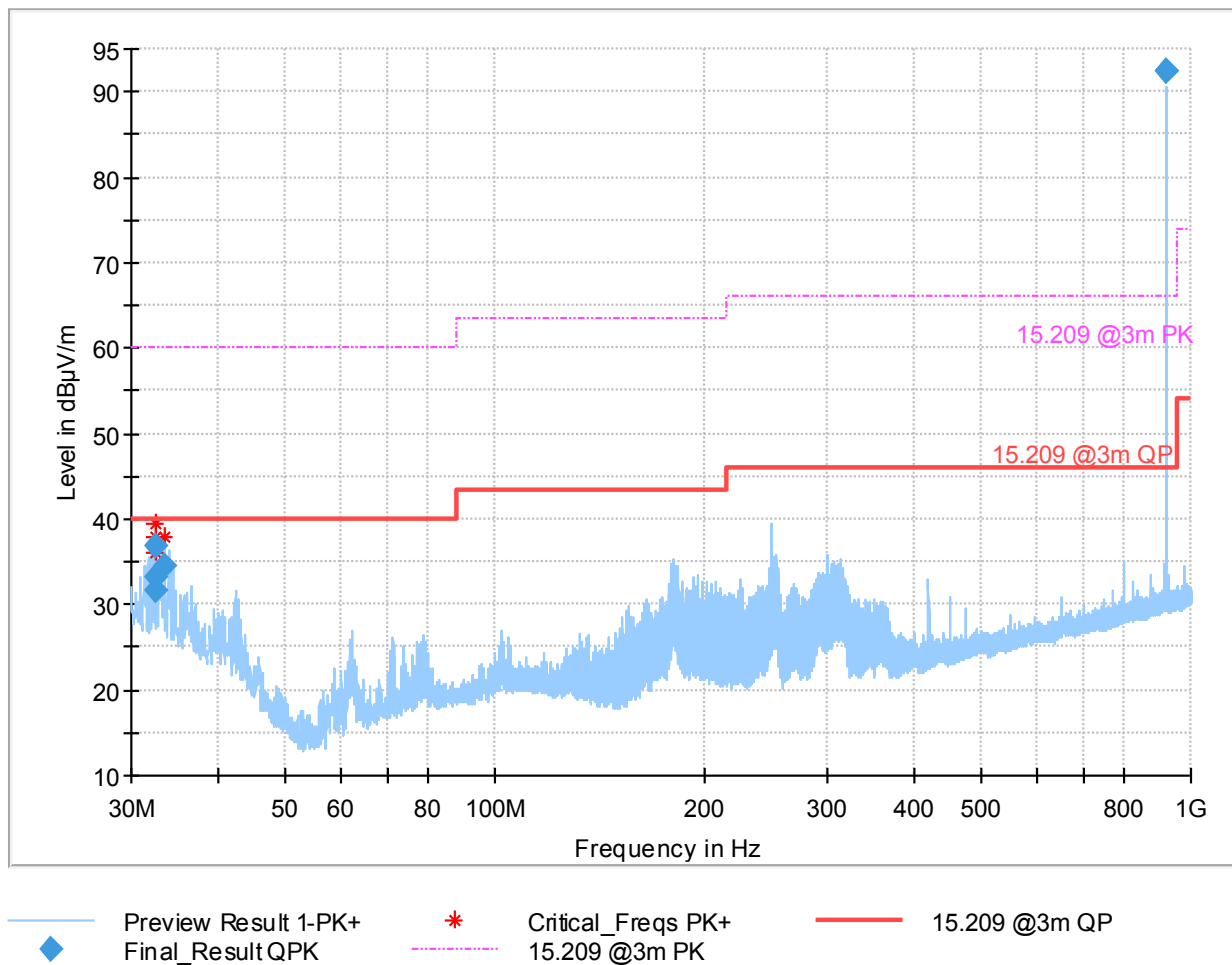
1.2.2 Set-up 1, Op. 2



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
30.850000	35.11	40.00	4.89	100.0	120.000	115.0	V	108.0
32.595000	35.93	40.00	4.07	100.0	120.000	100.0	V	195.0
32.600000	38.02	40.00	1.98	100.0	120.000	100.0	V	208.0
33.475000	34.57	40.00	5.43	100.0	120.000	100.0	V	190.0
919.725000	93.61	46.00	-47.61	100.0	120.000	152.0	H	35.0
919.730000	93.73	46.00	-47.73	100.0	120.000	149.0	H	30.0

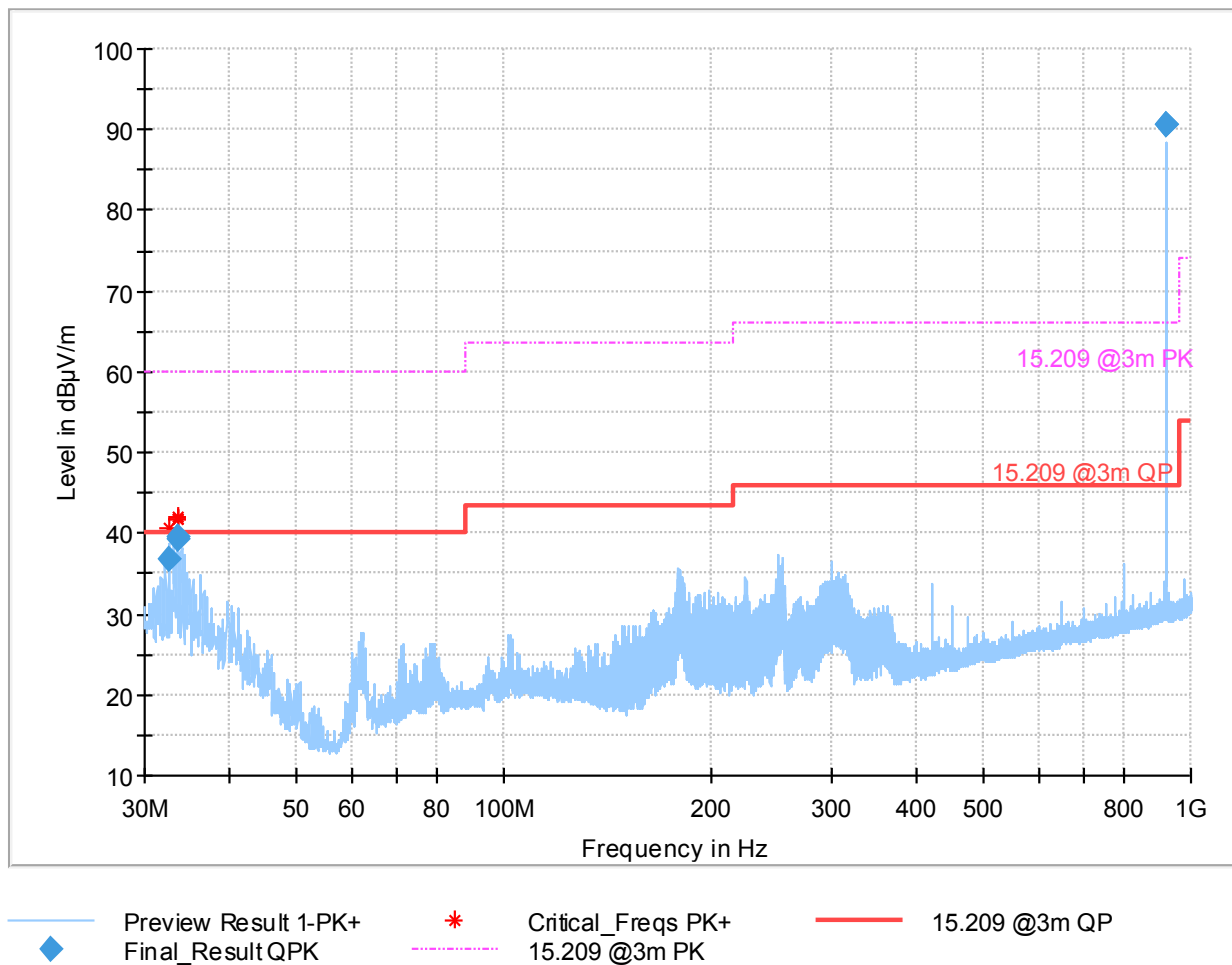
1.2.3 Set-up 1, Op. 3



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
32.595000	33.16	40.00	6.84	100.0	120.000	103.0	V	297.0
32.600000	31.63	40.00	8.37	100.0	120.000	198.0	V	137.0
32.625000	36.86	40.00	3.14	100.0	120.000	100.0	V	109.0
33.475000	34.40	40.00	5.60	100.0	120.000	100.0	V	18.0
920.425000	92.50	46.00	-46.50	100.0	120.000	117.0	V	315.0
920.430000	92.47	46.00	-46.47	100.0	120.000	117.0	V	314.0

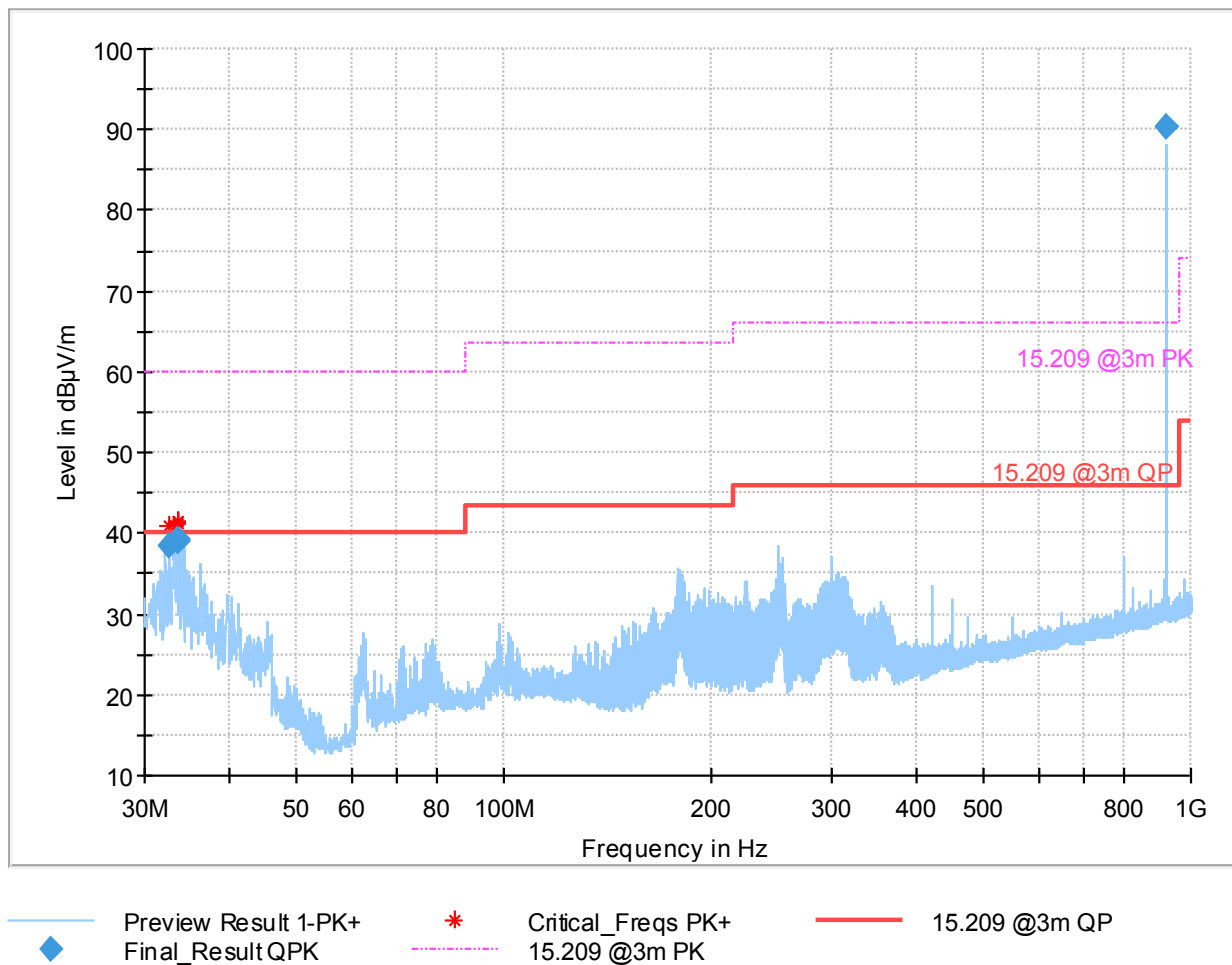
1.2.4 Set-up 1, Op. 4



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
32.595000	36.78	40.00	3.22	100.0	120.000	106.0	V	96.0
33.470000	39.63	40.00	0.37	100.0	120.000	103.0	V	210.0
33.475000	39.33	40.00	0.67	100.0	120.000	103.0	V	210.0
920.425000	90.55	46.00	-44.55	100.0	120.000	117.0	V	315.0
920.430000	90.55	46.00	-44.55	100.0	120.000	117.0	V	315.0

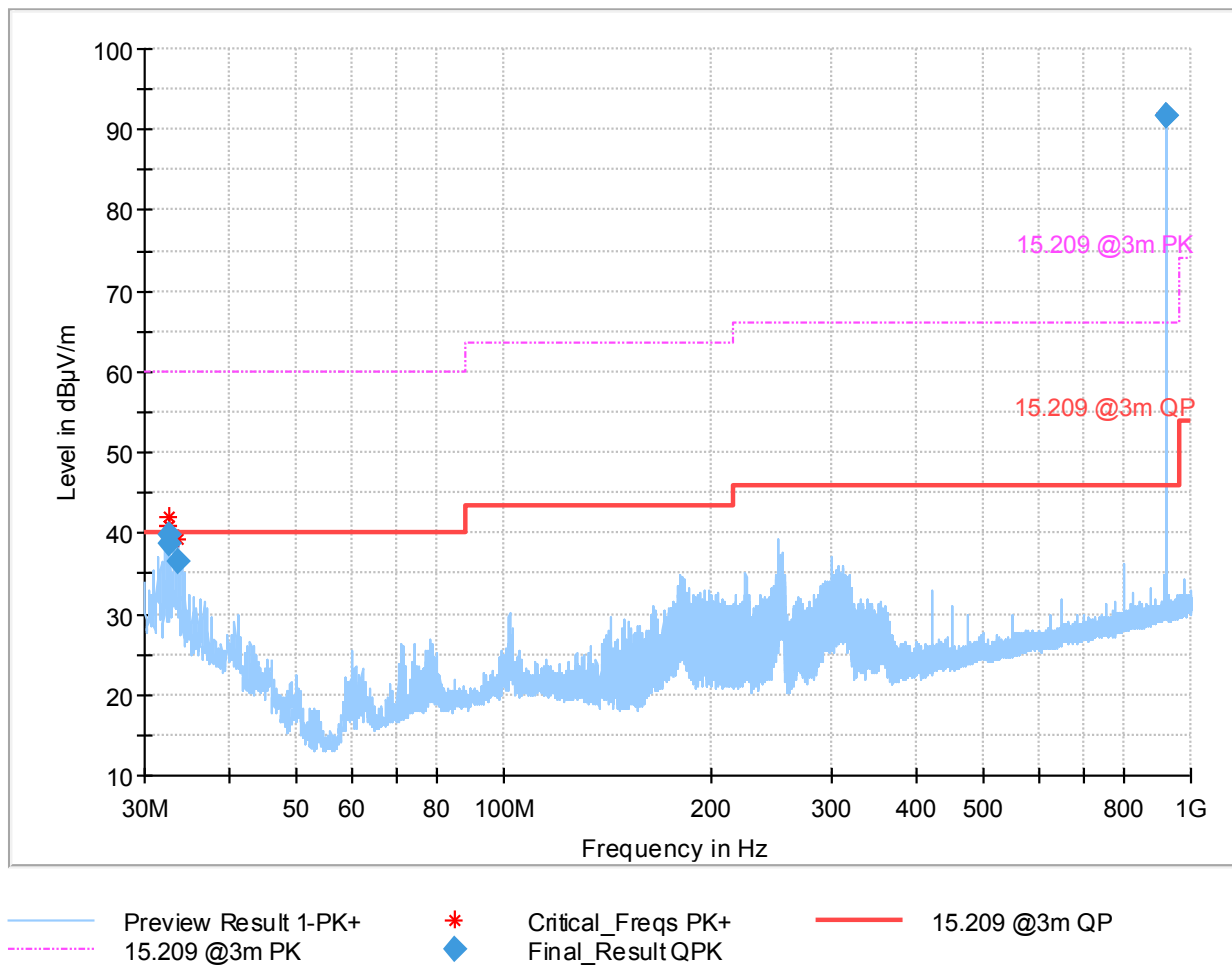
1.2.5 Set-up 1, Op. 5



Final_Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
32.600000	38.54	40.00	1.46	100.0	120.000	100.0	V	126.0
33.465000	38.92	40.00	1.08	100.0	120.000	100.0	V	138.0
33.470000	38.99	40.00	1.01	100.0	120.000	100.0	V	210.0
33.475000	39.39	40.00	0.61	100.0	120.000	100.0	V	131.0
920.725000	90.37	46.00	-44.37	100.0	120.000	117.0	V	315.0
920.730000	90.35	46.00	-44.35	100.0	120.000	115.0	V	314.0

1.2.6 Set-up 1, Op. 6

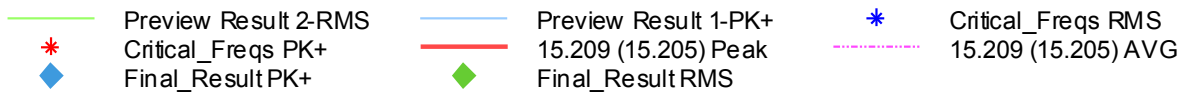
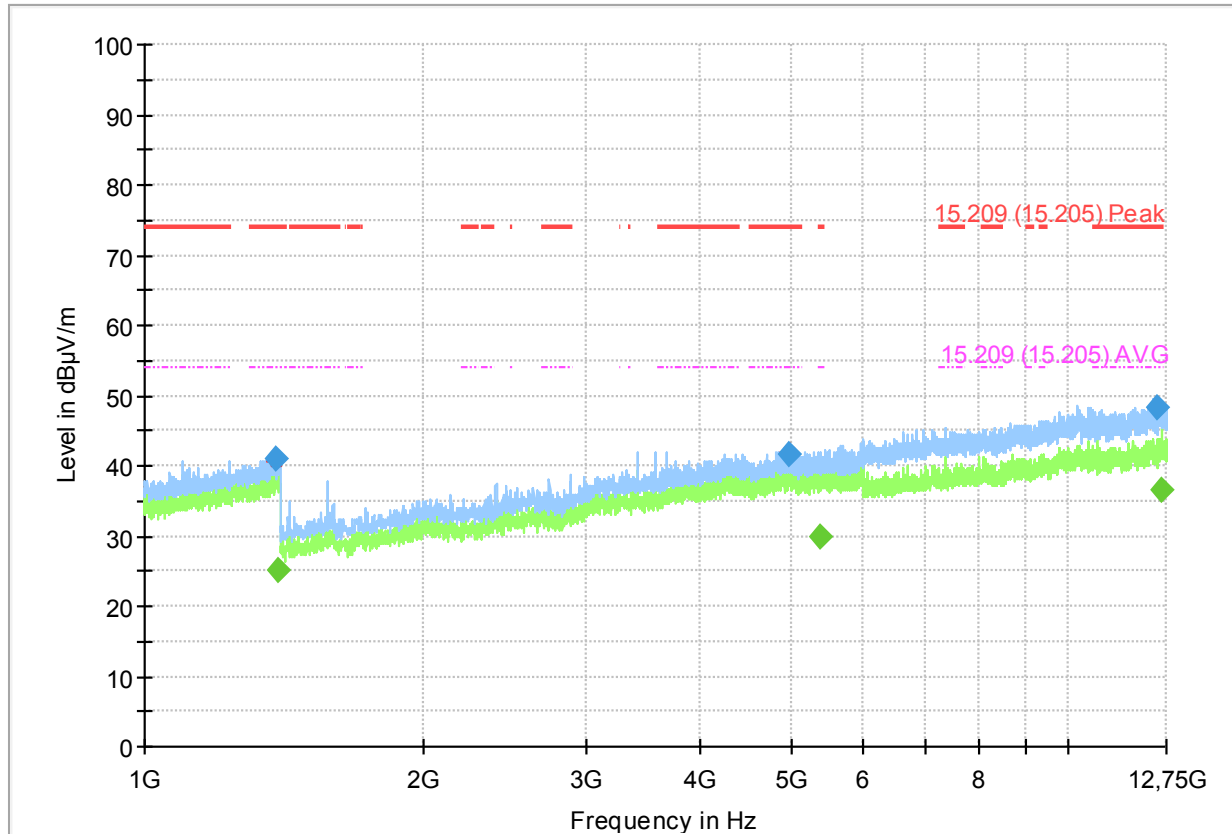


Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
32.620000	39.93	40.00	0.07	100.0	120.000	100.0	V	161.0
32.625000	38.62	40.00	1.38	100.0	120.000	100.0	V	120.0
33.470000	36.62	40.00	3.38	100.0	120.000	100.0	V	295.0
920.725000	91.84	46.00	-45.84	100.0	120.000	148.0	H	19.0
920.730000	91.83	46.00	-45.83	100.0	120.000	146.0	H	19.0

1.3 Radiated field strength measurements (1 GHz < f < 18 GHz)

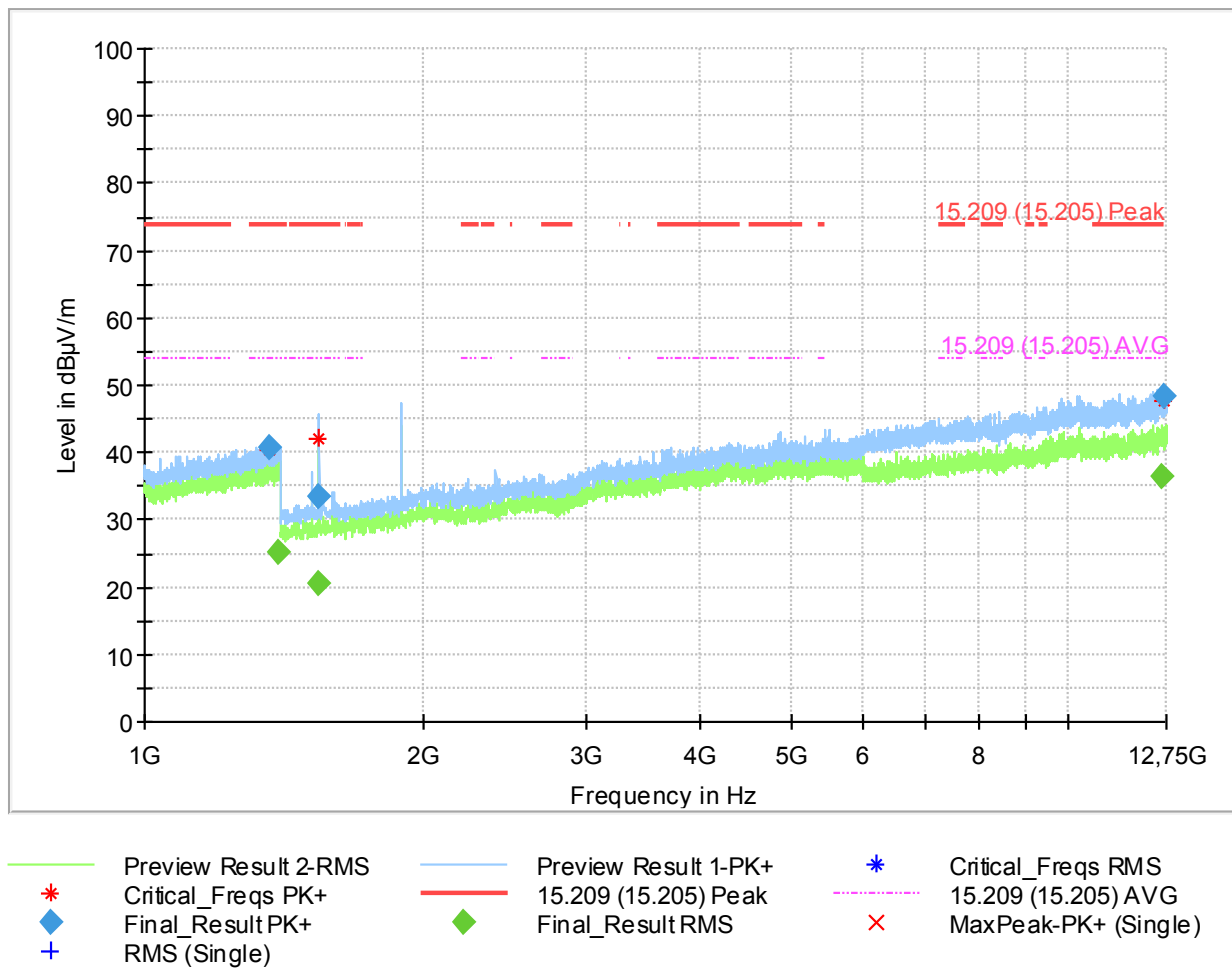
1.3.1 Set-up 1, Op. 1



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
1386.750000	40.89	---	74.00	33.11	1000.0	1000.000	150.0	V
1392.000000	---	25.15	54.00	28.85	1000.0	1000.000	150.0	V
4979.450000	41.47	---	74.00	32.53	1000.0	1000.000	150.0	V
5396.350000	---	29.74	54.00	24.26	1000.0	1000.000	150.0	H
12494.214286	48.16	---	74.00	25.84	1000.0	1000.000	150.0	H
12581.750000	---	36.53	54.00	17.47	1000.0	1000.000	150.0	V

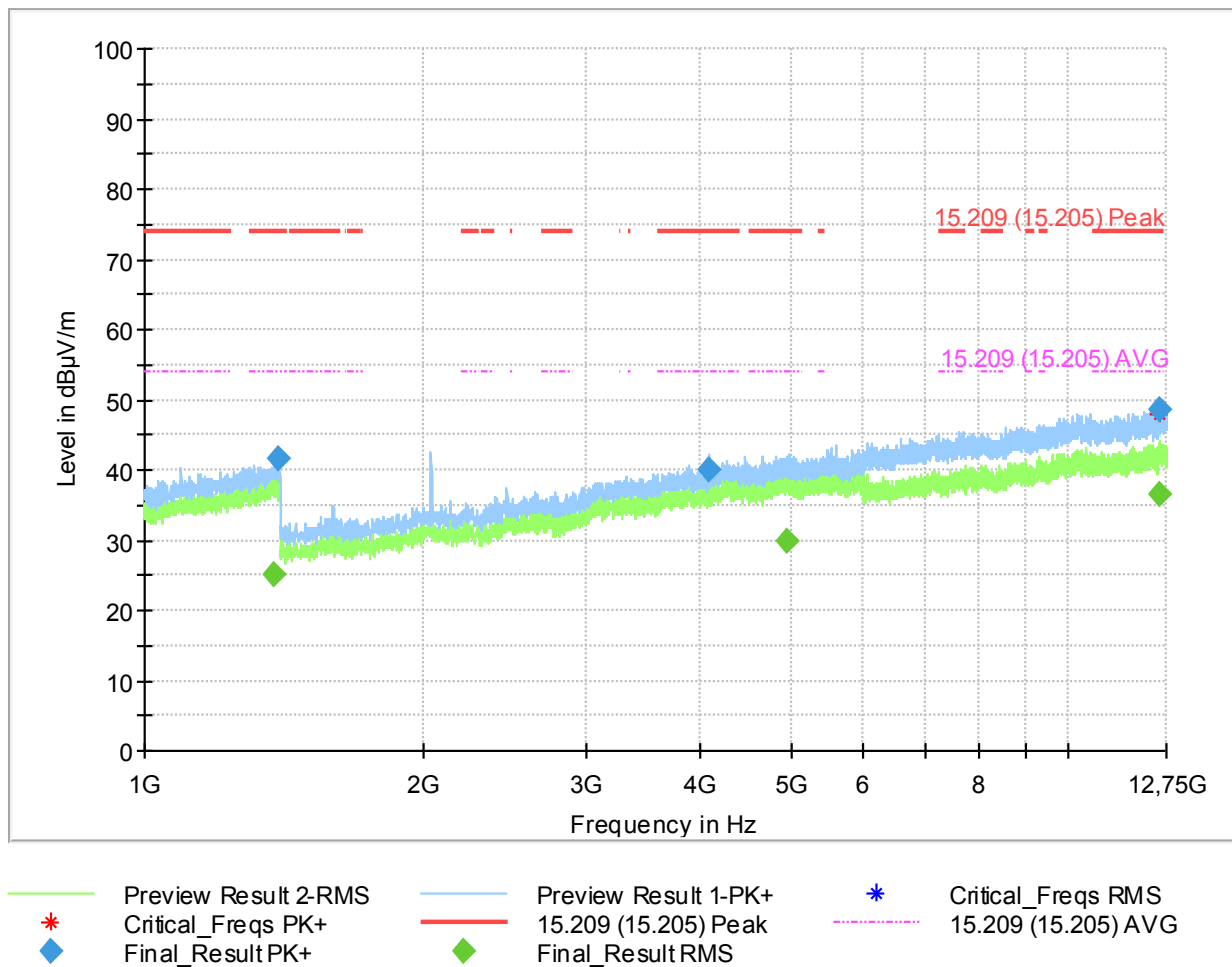
1.3.2 Set-up 1, Op. 2



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
1368.250000	40.65	---	74.00	33.35	1000.0	1000.000	150.0	V
1392.000000	---	25.14	54.00	28.86	1000.0	1000.000	150.0	V
1542.150000	33.28	---	74.00	40.72	1000.0	1000.000	150.0	V
1544.650000	---	20.63	54.00	33.37	1000.0	1000.000	150.0	V
12579.821429	---	36.49	54.00	17.51	1000.0	1000.000	150.0	H
12675.928571	48.38	---	74.00	25.62	1000.0	1000.000	150.0	V

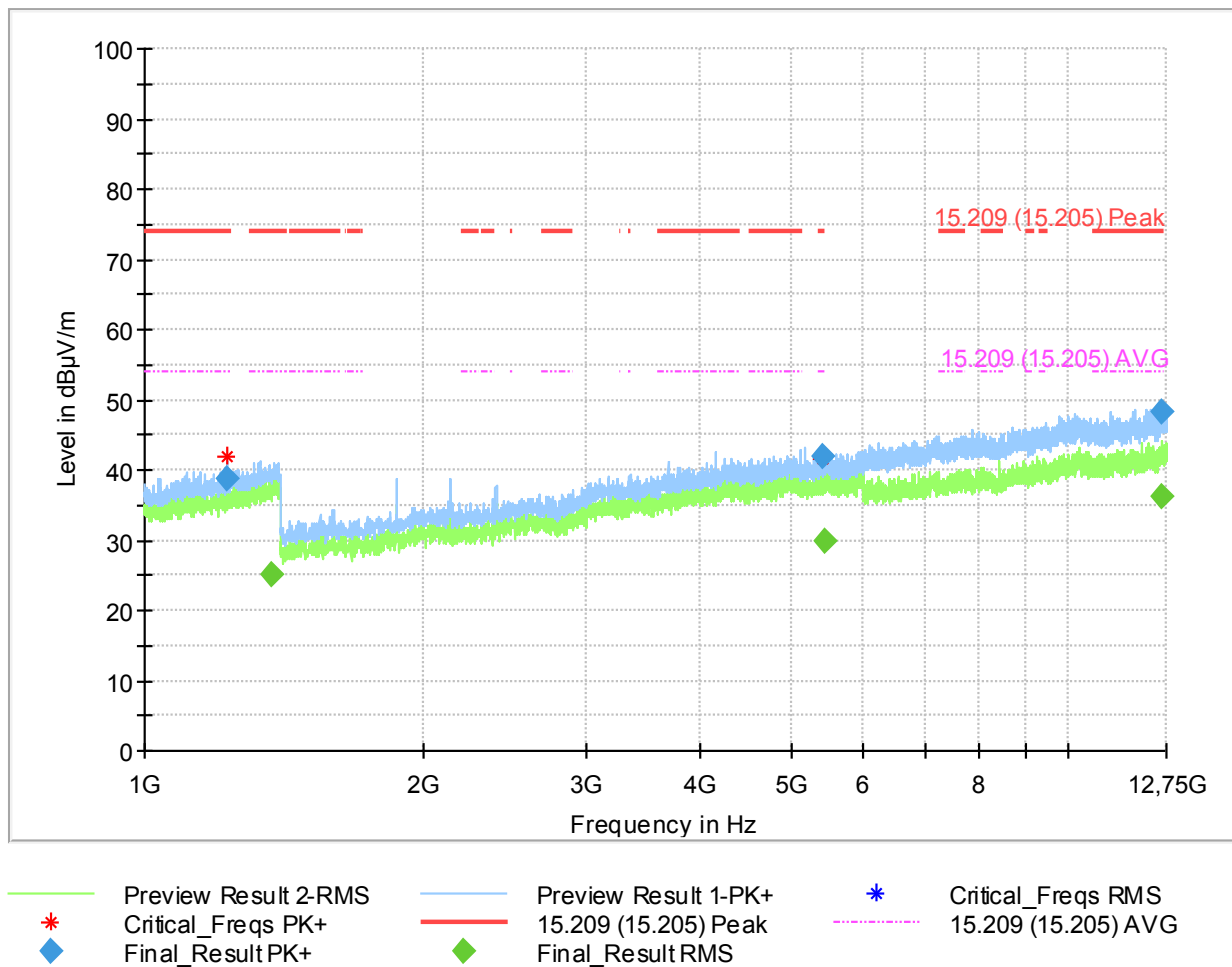
1.3.3 Set-up 1, Op. 3



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
1379.800000	---	25.14	54.00	28.86	1000.0	1000.000	150.0	V
1392.600000	41.53	---	74.00	32.47	1000.0	1000.000	150.0	V
4090.250000	39.99	---	74.00	34.01	1000.0	1000.000	150.0	V
4956.400000	---	29.72	54.00	24.28	1000.0	1000.000	150.0	V
12524.178571	48.51	---	74.00	25.49	1000.0	1000.000	150.0	H
12553.750000	---	36.49	54.00	17.51	1000.0	1000.000	150.0	V

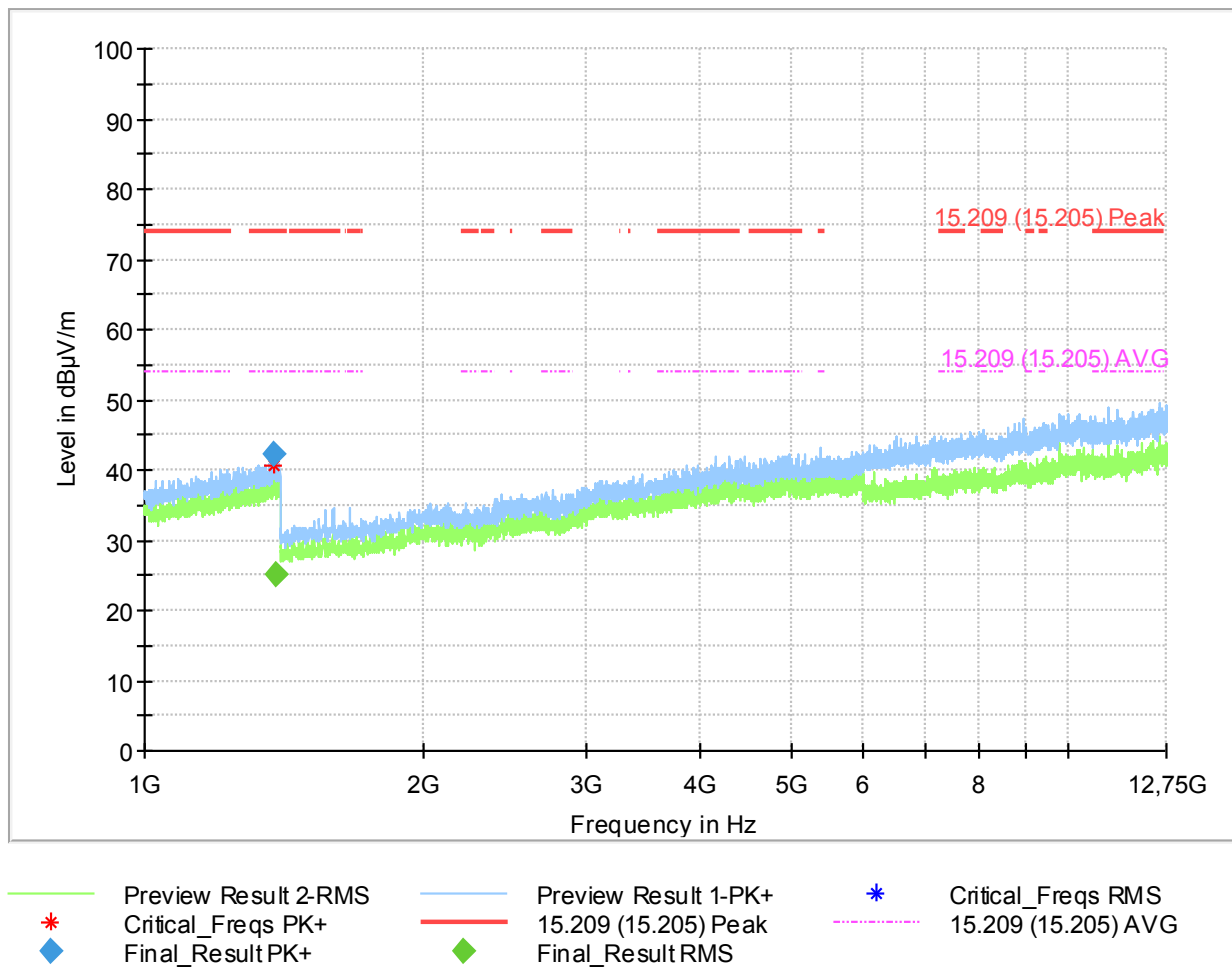
1.3.4 Set-up 1, Op. 4



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
1230.100000	38.74	---	74.00	35.26	1000.0	1000.000	150.0	V
1372.600000	---	25.02	54.00	28.98	1000.0	1000.000	150.0	V
5430.700000	41.84	---	74.00	32.16	1000.0	1000.000	150.0	V
5434.200000	---	29.79	54.00	24.21	1000.0	1000.000	150.0	V
12580.250000	48.35	---	74.00	25.65	1000.0	1000.000	150.0	H
12611.107143	---	36.26	54.00	17.74	1000.0	1000.000	150.0	H

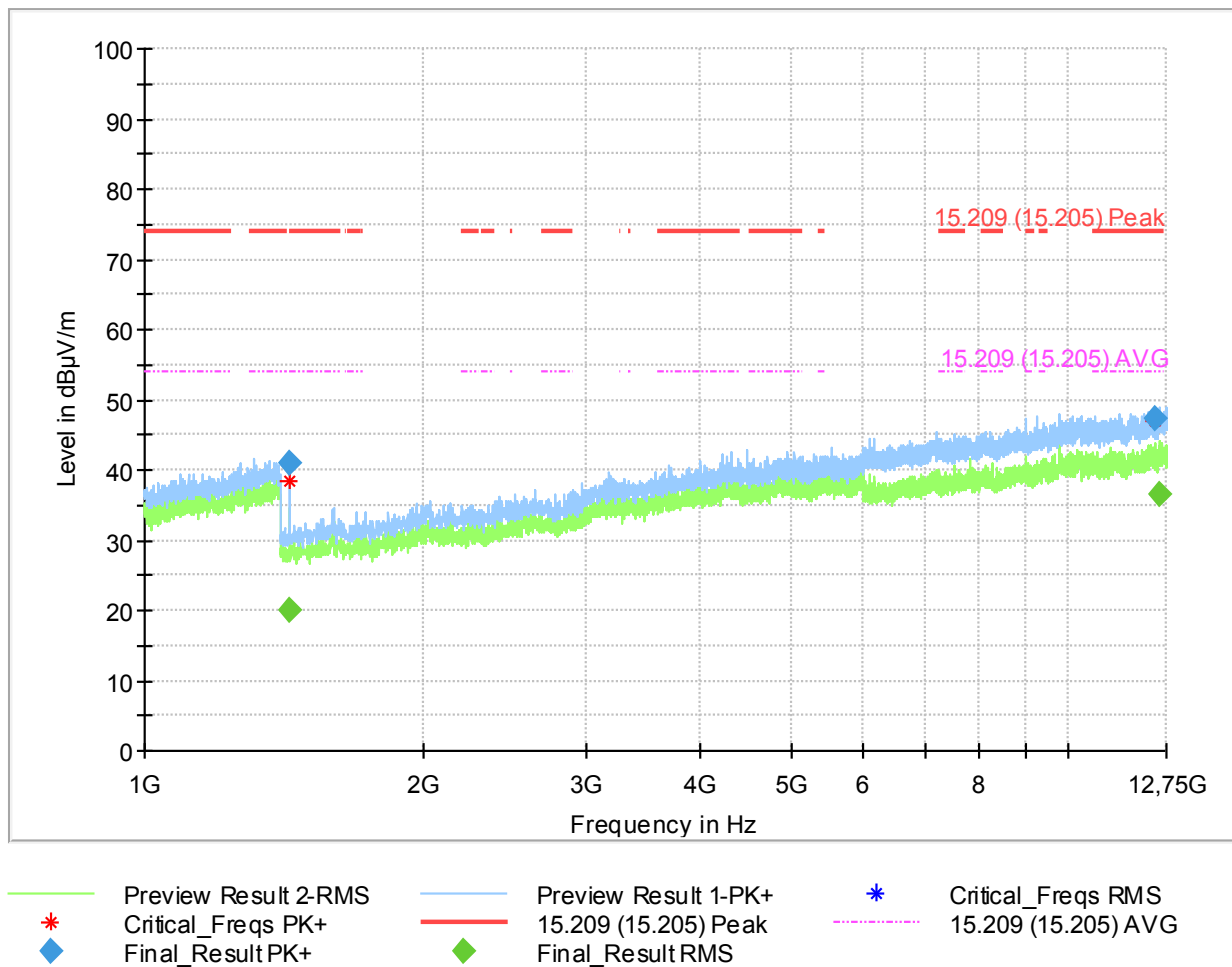
1.3.5 Set-up 1, Op. 5



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
1380.300000	42.21	---	74.00	31.79	1000.0	1000.000	150.0	V
1385.850000	---	25.10	54.00	28.90	1000.0	1000.000	150.0	V

1.3.6 Set-up 1, Op. 6

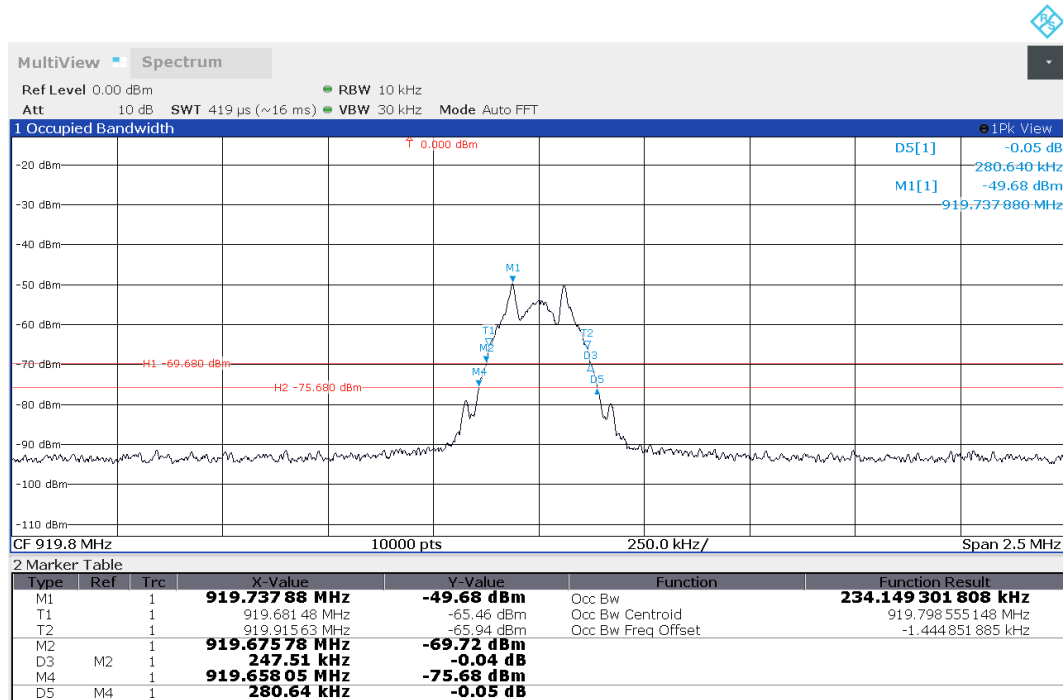


Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	RMS (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol
1435.050000	---	20.09	54.00	33.91	1000.0	1000.000	150.0	V
1438.300000	40.82	---	74.00	33.18	1000.0	1000.000	150.0	V
12367.107143	47.22	---	74.00	26.78	1000.0	1000.000	150.0	H
12524.071429	---	36.46	54.00	17.54	1000.0	1000.000	150.0	H

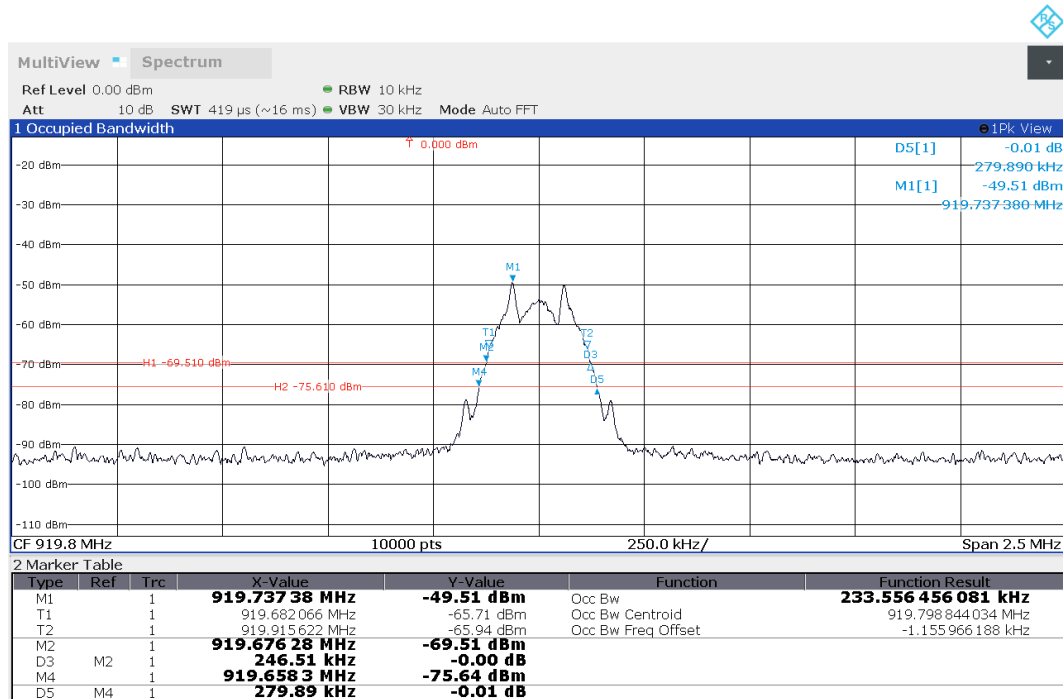
2 Occupied Bandwidth

2.1 Set-up 1, Op. 1



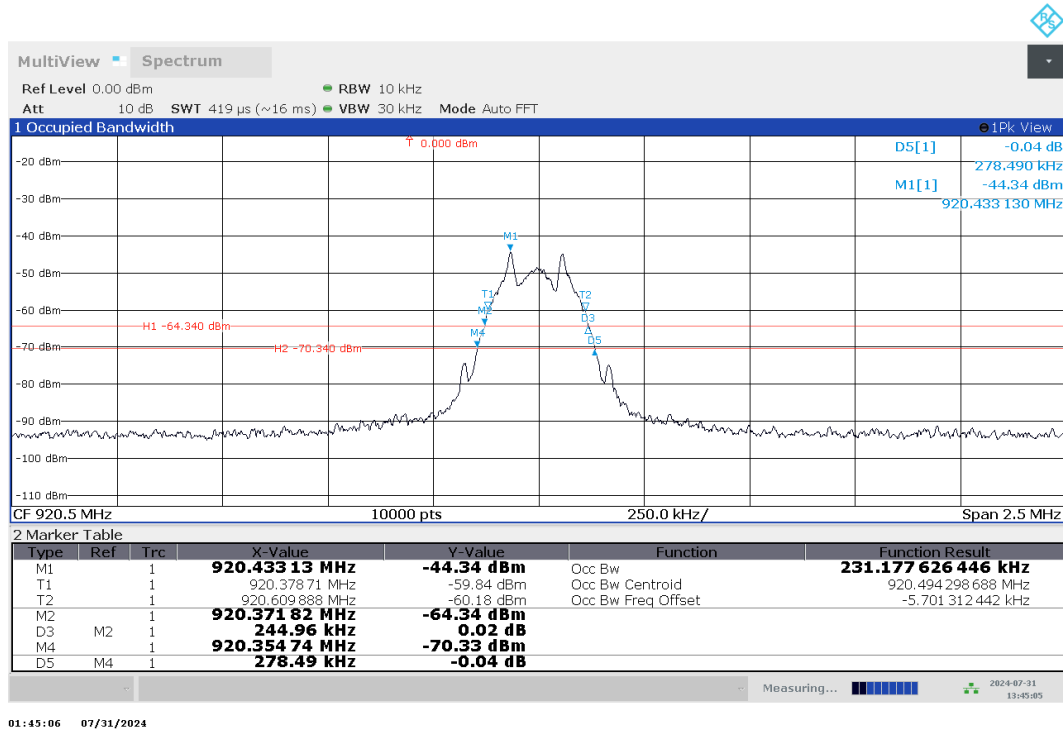
05:30:19 07/31/2024

2.2 Set-up 1, Op. 2

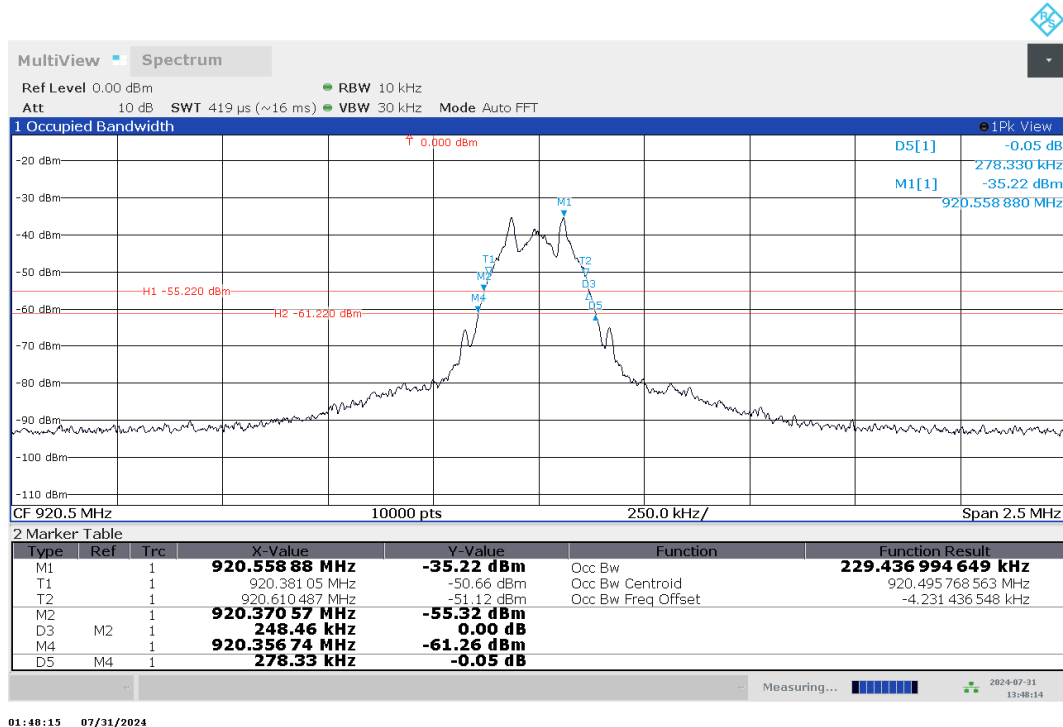


05:32:50 07/31/2024

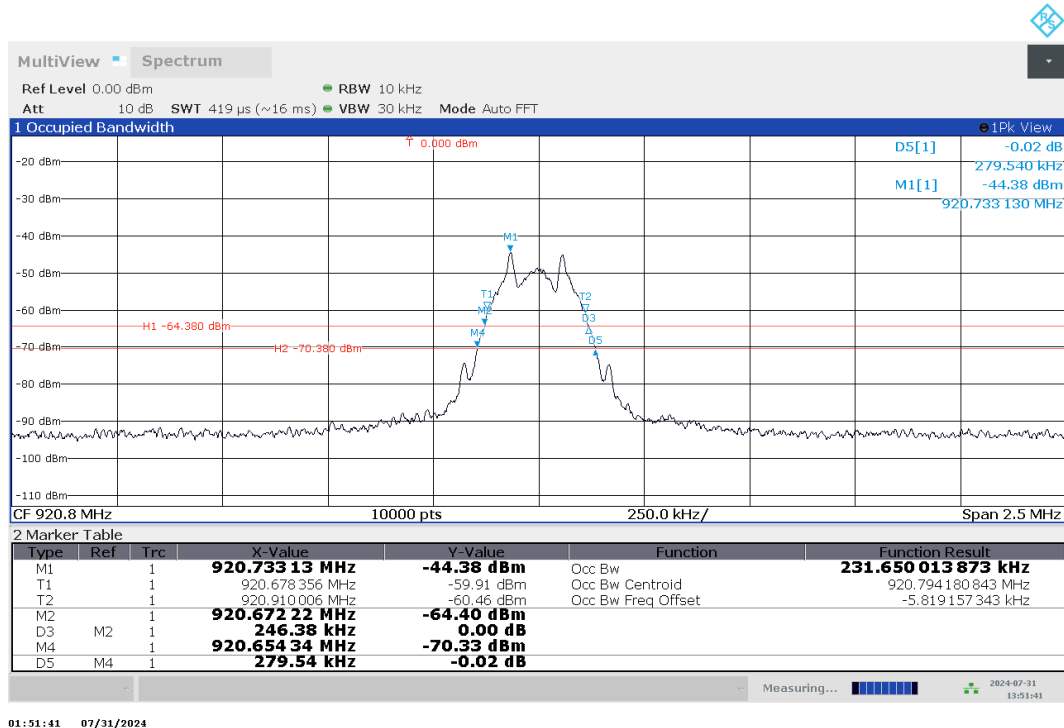
2.3 Set-up 1, Op. 3



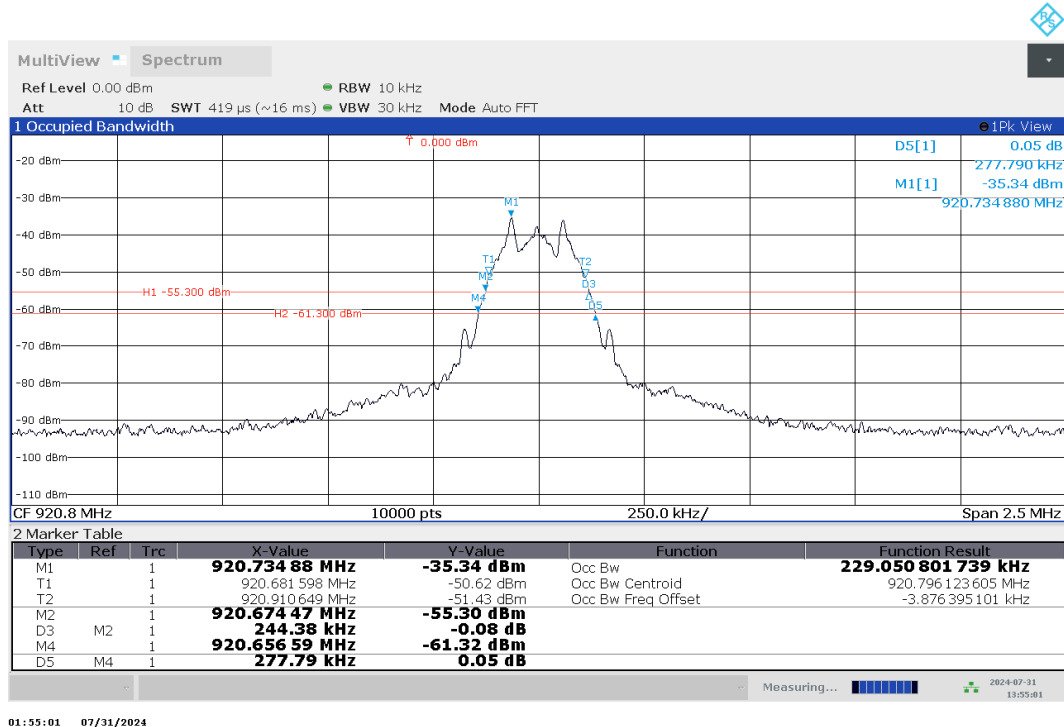
2.4 Set-up 1, Op. 4



2.5 Set-up 1, Op. 5

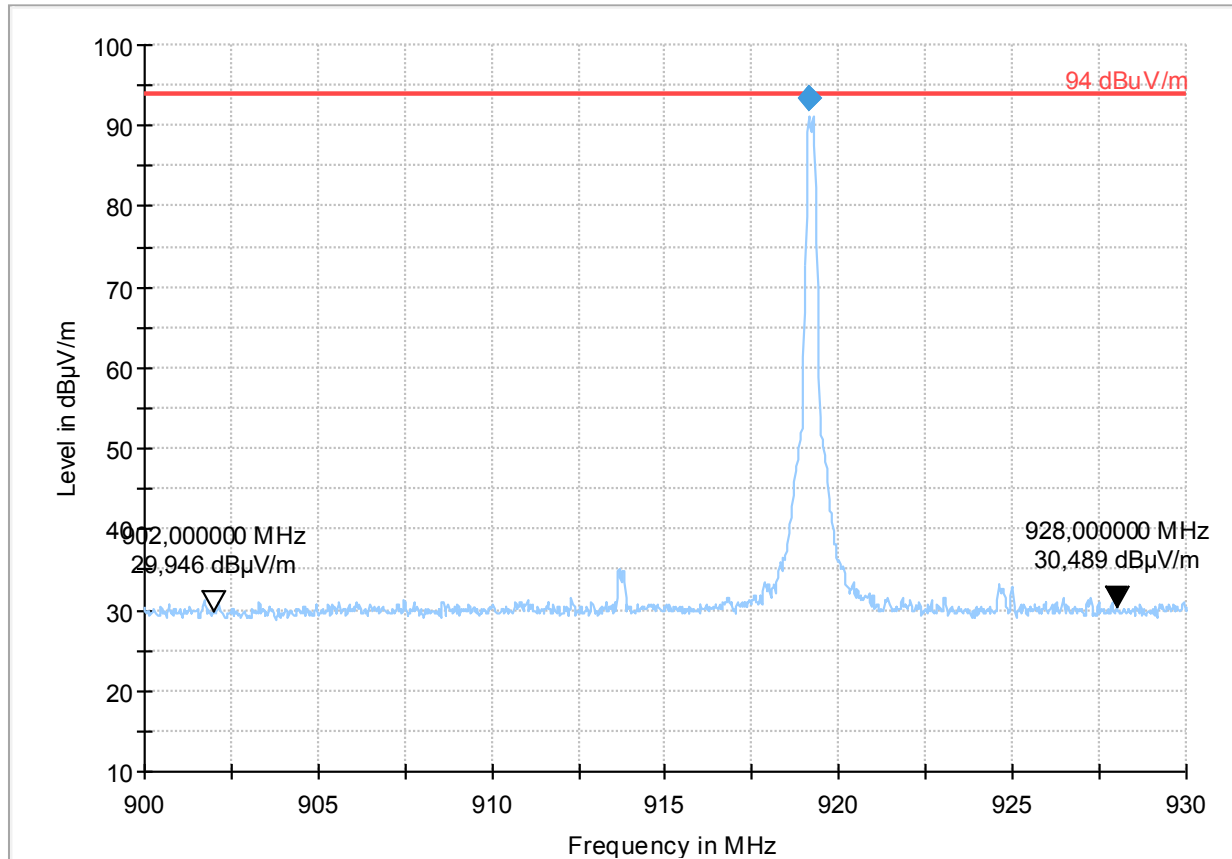


2.6 Set-up 1, Op. 6



3 Band Edge Emission

3.1 Set-up 1, Op. 1

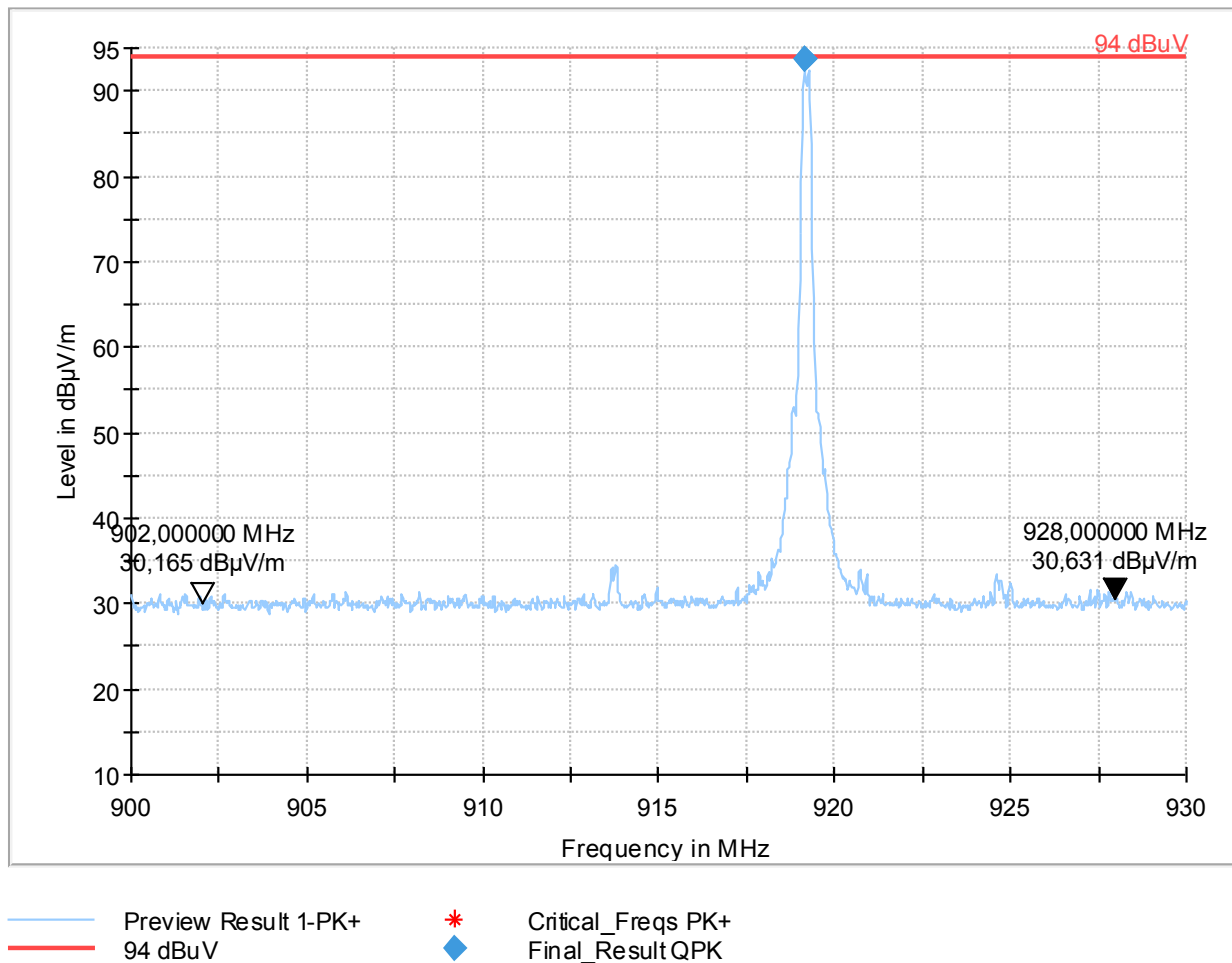


— Preview Result 1-PK+ * Critical_Freqs PK+
— 94 dB μ V/m ◆ Final_Result QPK

Final_Result

Frequency (MHz)	QuasiPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
30.880000	33.33	40.00	6.67	100.0	120.000	103.0	V	-5.0
31.300000	34.88	40.00	5.12	100.0	120.000	100.0	V	175.0
32.600000	38.74	40.00	1.26	100.0	120.000	100.0	V	120.0
33.475000	35.14	40.00	4.86	100.0	120.000	100.0	V	116.0
249.975000	42.89	46.00	3.11	100.0	120.000	103.0	H	100.0
919.725000	93.40	46.00	-47.40	100.0	120.000	115.0	V	-24.0
919.730000	93.32	46.00	-47.32	100.0	120.000	117.0	V	-24.0

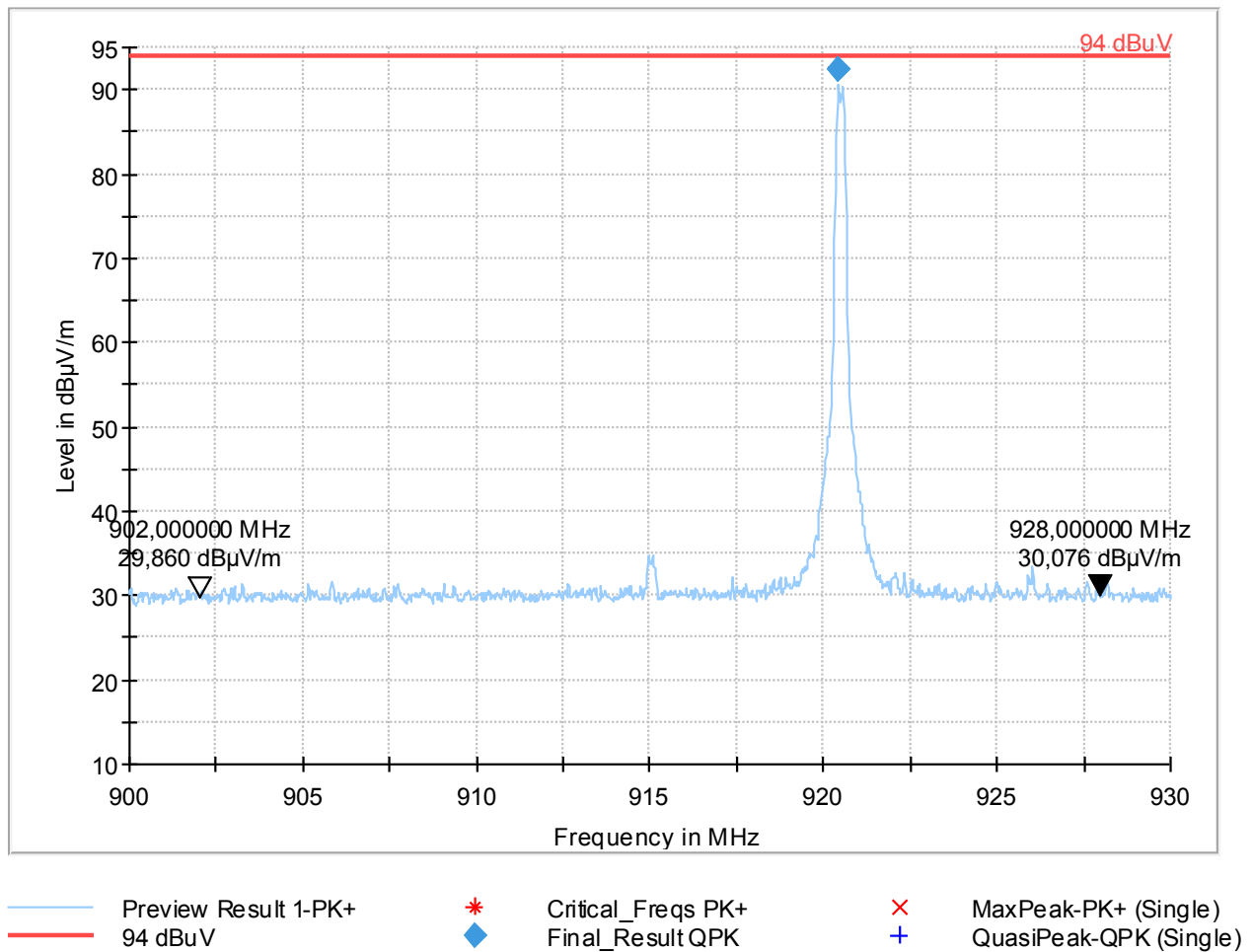
3.2 Set-up 1, Op. 2



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
30.850000	35.11	40.00	4.89	100.0	120.000	115.0	V	108.0
32.595000	35.93	40.00	4.07	100.0	120.000	100.0	V	195.0
32.600000	38.02	40.00	1.98	100.0	120.000	100.0	V	208.0
33.475000	34.57	40.00	5.43	100.0	120.000	100.0	V	190.0
919.725000	93.61	46.00	-47.61	100.0	120.000	152.0	H	35.0
919.730000	93.73	46.00	-47.73	100.0	120.000	149.0	H	30.0

3.3 Set-up 1, Op. 3



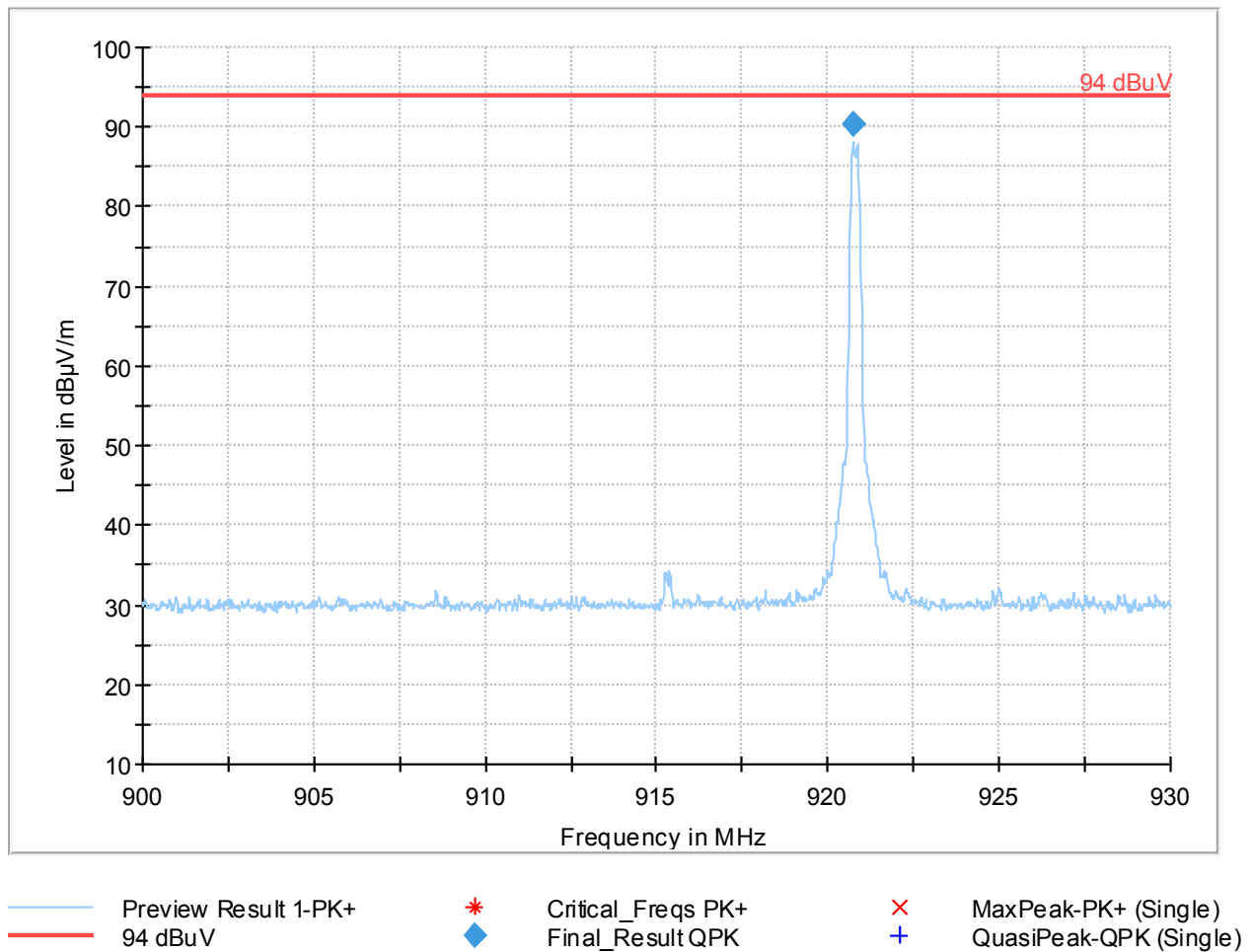
Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
32.595000	33.16	40.00	6.84	100.0	120.000	103.0	V	297.0
32.600000	31.63	40.00	8.37	100.0	120.000	198.0	V	137.0
32.625000	36.86	40.00	3.14	100.0	120.000	100.0	V	109.0
33.475000	34.40	40.00	5.60	100.0	120.000	100.0	V	18.0
920.425000	92.50	46.00	-46.50	100.0	120.000	117.0	V	315.0
920.430000	92.47	46.00	-46.47	100.0	120.000	117.0	V	314.0

3.4 Set-up 1, Op. 4

The measurement was done. But no plot is available. The result is pass. Please see plot 1.2.4. for radiated field strength.

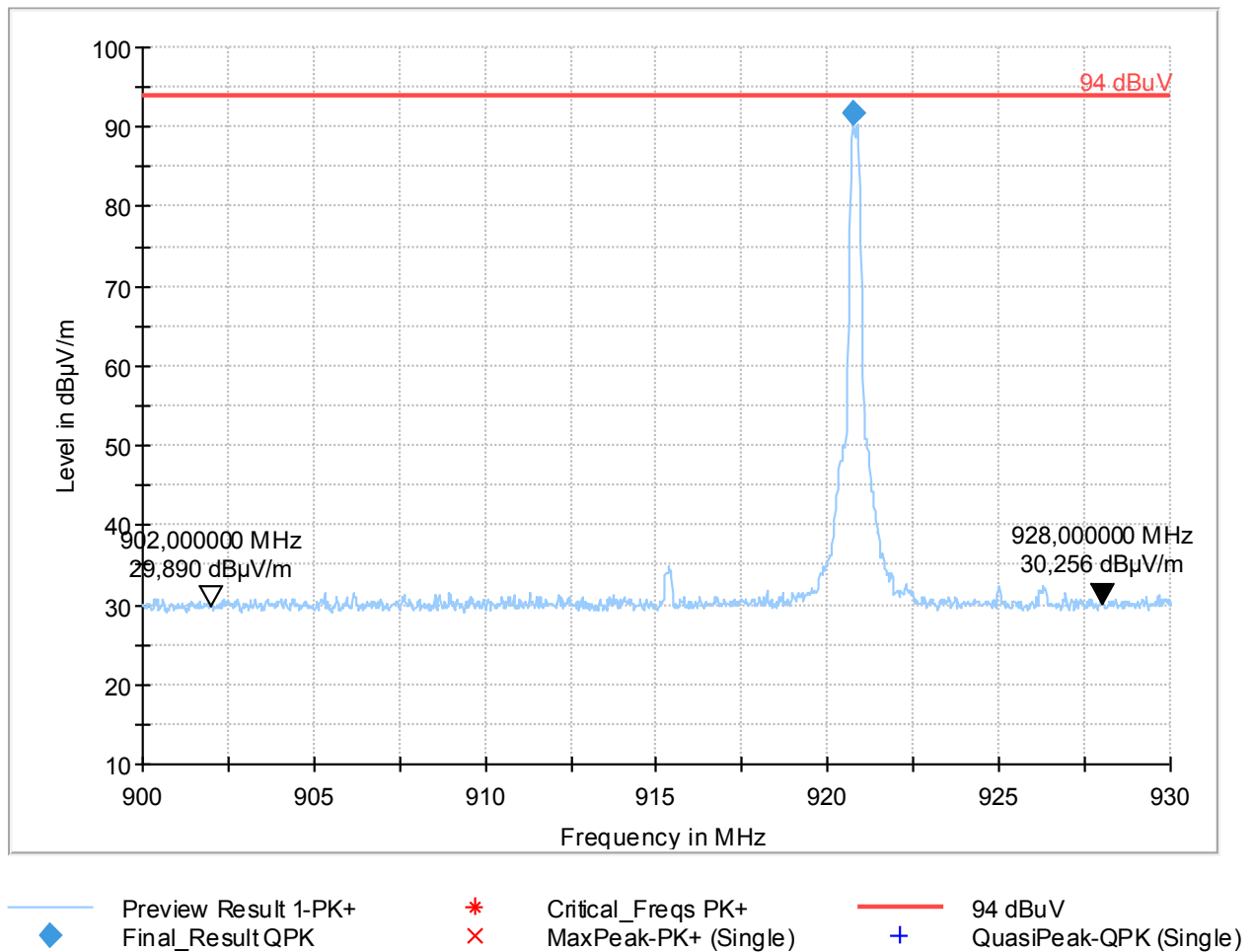
3.5 Set-up 1, Op. 5



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
32.600000	38.54	40.00	1.46	100.0	120.000	100.0	V	126.0
33.465000	38.92	40.00	1.08	100.0	120.000	100.0	V	138.0
33.470000	38.99	40.00	1.01	100.0	120.000	100.0	V	210.0
33.475000	39.39	40.00	0.61	100.0	120.000	100.0	V	131.0
920.725000	90.37	46.00	-44.37	100.0	120.000	117.0	V	315.0
920.730000	90.35	46.00	-44.35	100.0	120.000	115.0	V	314.0

3.6 Set-up 1, Op. 6

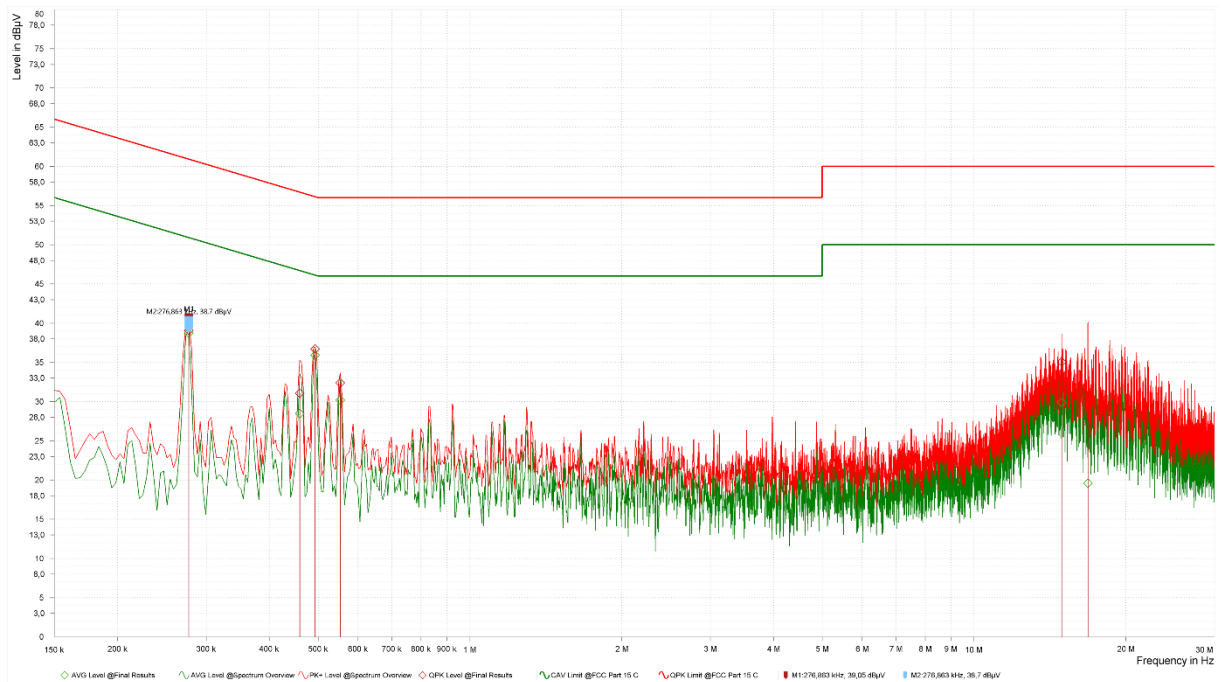


Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)
32.620000	39.93	40.00	0.07	100.0	120.000	100.0	V	161.0
32.625000	38.62	40.00	1.38	100.0	120.000	100.0	V	120.0
33.470000	36.62	40.00	3.38	100.0	120.000	100.0	V	295.0
920.725000	91.84	46.00	-45.84	100.0	120.000	148.0	H	19.0
920.730000	91.83	46.00	-45.83	100.0	120.000	146.0	H	19.0

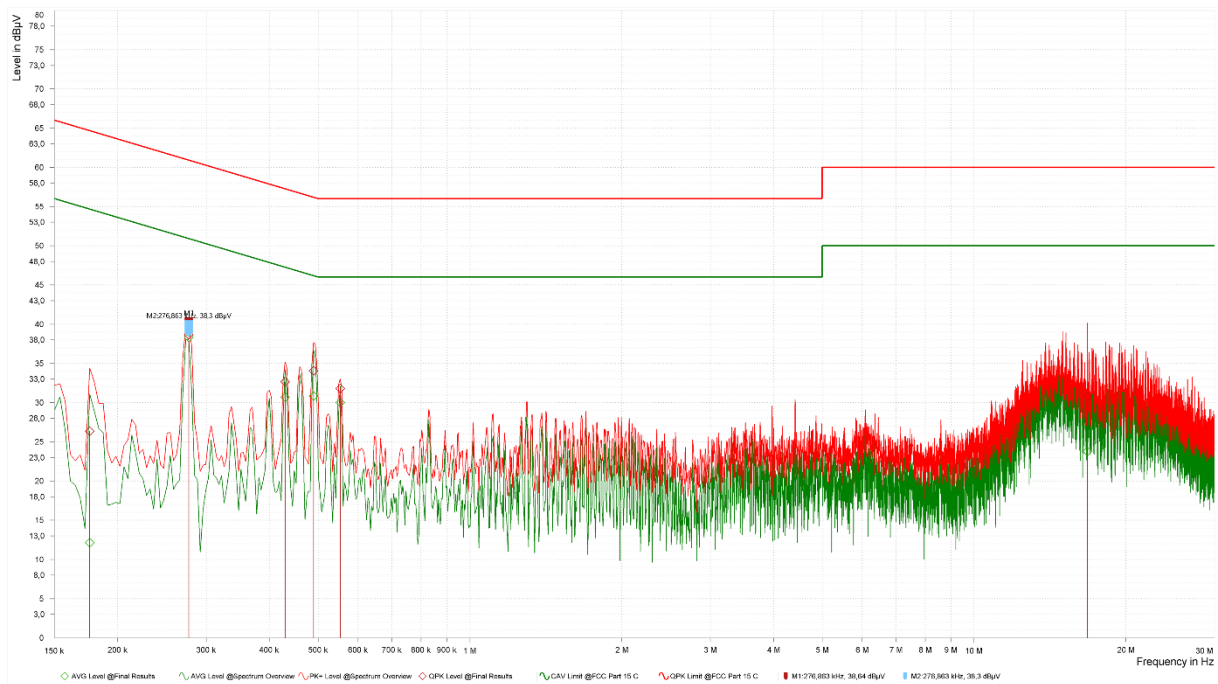
4 Conducted emission

4.1 Set-up 1, Op. 1 – 6, L1



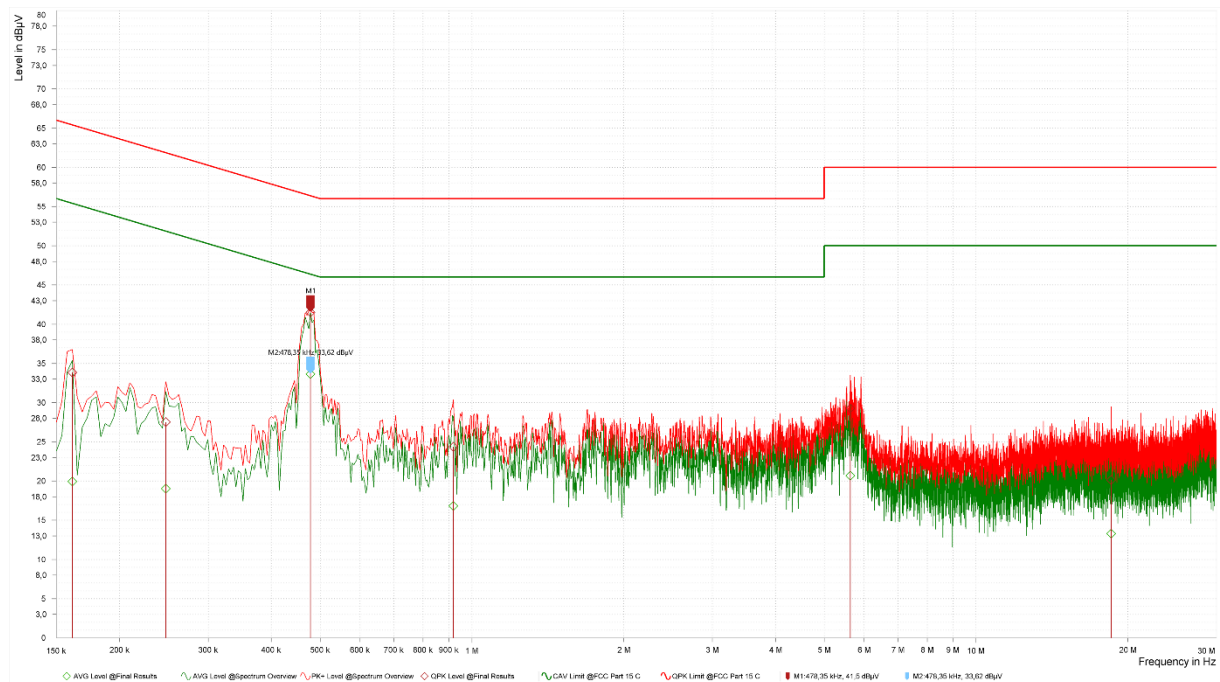
Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	AVG Level [dBµV]	AVG: CAV Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
1	0,277	39,05	60,91	21,86	38,70	50,91	12,21	9,82	L1	9,000	15,000
1	0,460	31,05	56,70	25,65	28,45	46,70	18,25	10,17	L1	9,000	15,000
1	0,493	36,69	56,11	19,43	35,90	46,11	10,22	10,18	L1	9,000	15,000
1	0,553	32,38	56,00	23,62	30,16	46,00	15,84	10,16	L1	9,000	15,000
1	14,926	35,04	60,00	24,96	29,87	50,00	20,13	10,34	L1	9,000	15,000
1	16,817	27,22	60,00	32,78	19,59	50,00	30,41	10,38	L1	9,000	15,000

4.2 Set-up 1, Op. 1 – 6, N



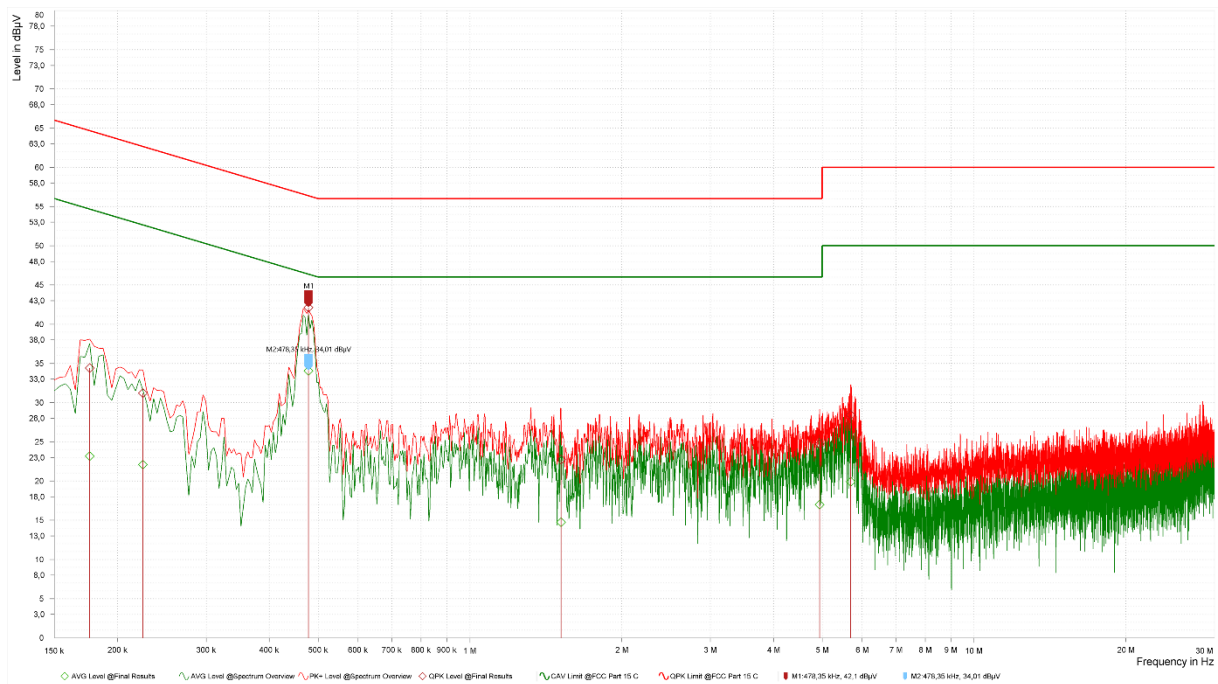
Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	AVG Level [dBµV]	AVG: CAV Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
1	0,176	26,34	64,67	38,33	12,12	54,67	42,55	10,13	N	9,000	15,000
1	0,277	38,64	60,91	22,27	38,30	50,91	12,61	9,82	N	9,000	15,000
1	0,430	32,64	57,26	24,61	30,69	47,26	16,57	10,16	N	9,000	15,000
1	0,490	34,02	56,18	22,15	30,81	46,18	15,37	10,18	N	9,000	15,000
1	0,553	31,79	56,00	24,21	29,98	46,00	16,02	10,16	N	9,000	15,000
1	16,791	30,71	60,00	29,29	23,74	50,00	26,26	10,46	N	9,000	15,000

4.3 Set-up 2, Op. 1 – 6, L1



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	AVG Level [dBµV]	AVG: CAV Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
1	0,161	33,82	65,40	31,58	19,91	55,40	35,49	10,02	L1	9,000	15,000
1	0,247	27,51	61,86	34,35	19,01	51,86	32,85	9,72	L1	9,000	15,000
1	0,478	41,50	56,37	14,87	33,62	46,37	12,74	10,17	L1	9,000	15,000
1	0,919	24,35	56,00	31,65	16,81	46,00	29,19	10,01	L1	9,000	15,000
1	5,631	29,26	60,00	30,74	20,65	50,00	29,35	10,05	L1	9,000	15,000
1	18,530	20,11	60,00	39,89	13,29	50,00	36,71	10,41	L1	9,000	15,000

4.4 Set-up 2, Op. 1 – 6, N



Rg	Frequency [MHz]	QPK Level [dBµV]	QPK Limit [dBµV]	QPK Margin [dB]	AVG Level [dBµV]	AVG: CAV Limit [dBµV]	AVG Margin [dB]	Correction [dB]	Line	Meas. BW [kHz]	Meas. Time [s]
1	0,176	34,40	64,67	30,26	23,17	54,67	31,50	10,13	N	9,000	15,000
1	0,225	31,18	62,65	31,47	22,09	52,65	30,56	9,82	N	9,000	15,000
1	0,478	42,10	56,37	14,26	34,01	46,37	12,36	10,17	N	9,000	15,000
1	1,516	22,74	56,00	33,26	14,72	46,00	31,28	9,93	N	9,000	15,000
1	4,937	24,72	56,00	31,28	16,96	46,00	29,04	10,03	N	9,000	15,000
1	5,695	28,40	60,00	31,60	19,90	50,00	30,10	10,06	N	9,000	15,000