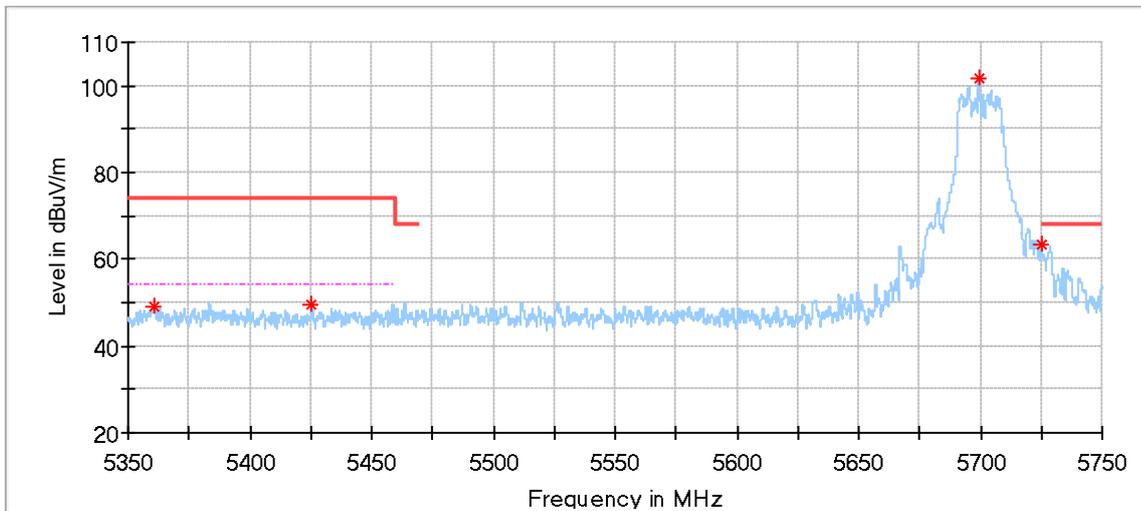


Critical Freqs

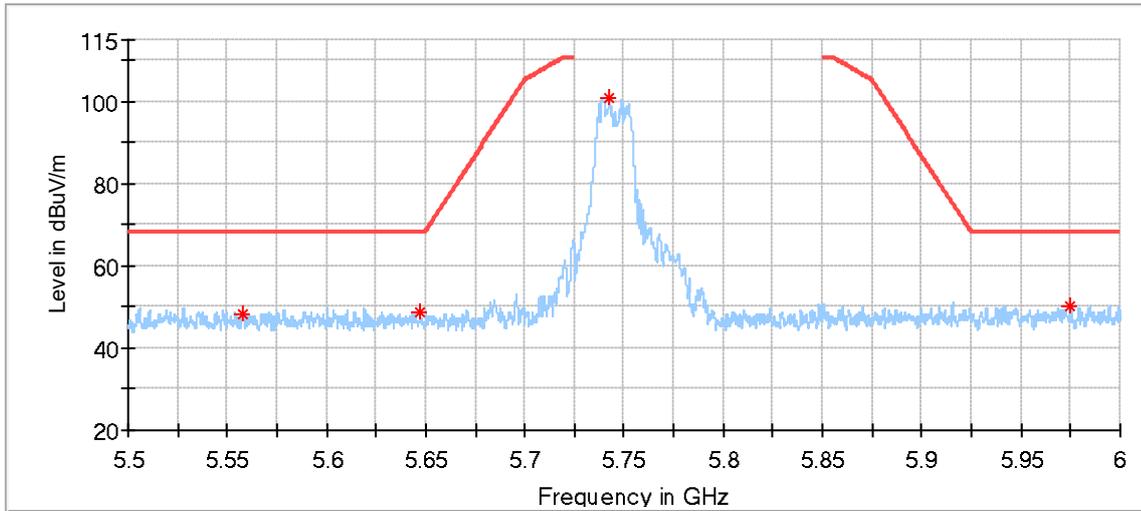
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5392.900000	49.22	74.00	24.78	150.0	H	160.0	6.39
5457.666667	48.41	74.00	25.59	150.0	H	215.0	6.32
5700.700000	100.97	---	---	150.0	H	201.0	6.53
5725.533333	67.28	68.20	0.92	150.0	H	41.0	6.56



Critical Freqs

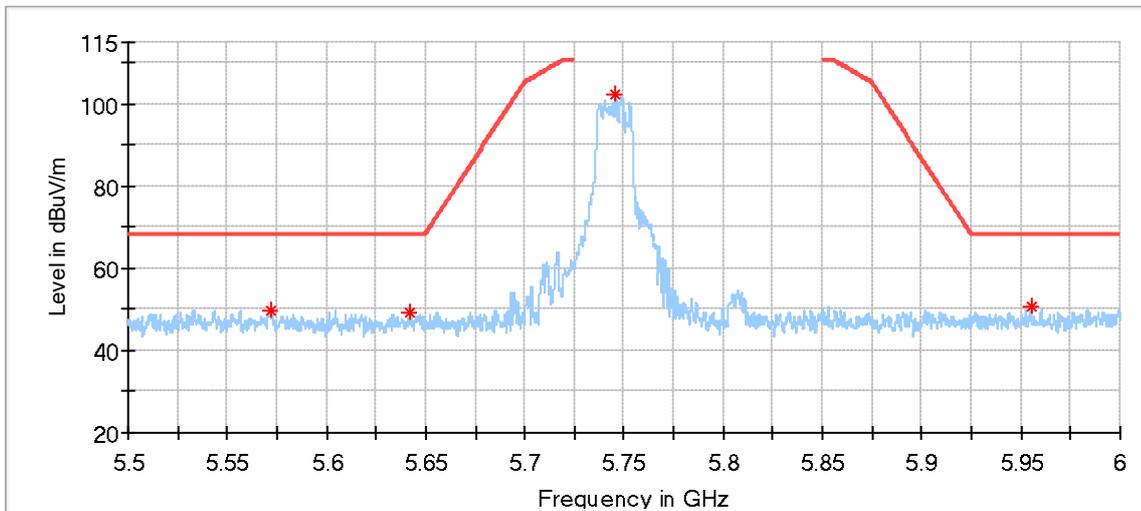
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5360.866667	48.87	74.00	25.13	150.0	V	95.0	6.25
5425.433333	49.68	74.00	24.32	150.0	V	170.0	6.35
5699.300000	101.51	---	---	150.0	V	181.0	6.53
5725.000000	63.58	68.20	4.62	150.0	V	352.0	6.56

802.11n20_5745



Critical Freqs

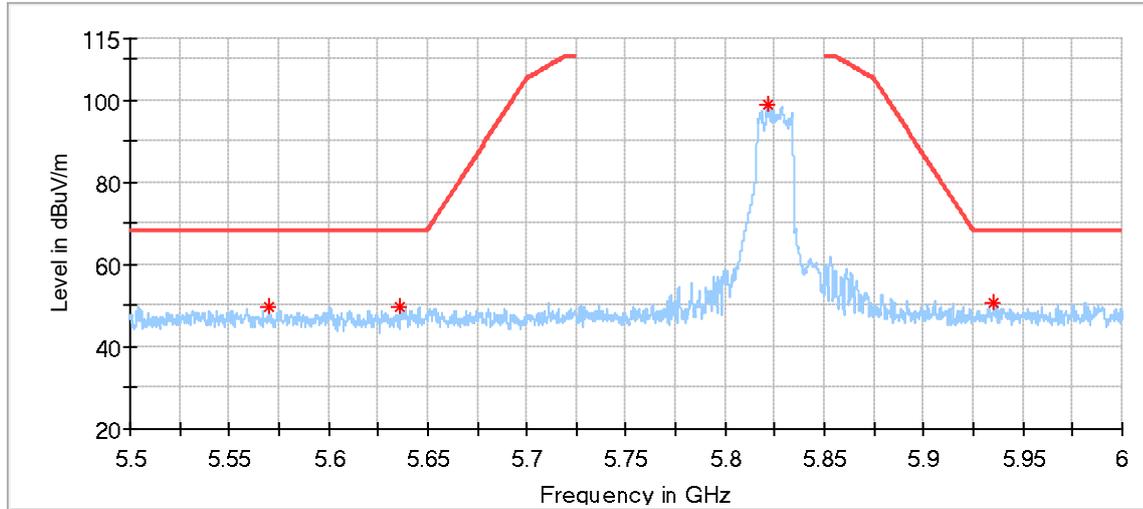
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5557.416667	48.33	68.20	19.87	150.0	H	45.0	6.76
5647.041667	48.62	68.20	19.58	150.0	H	221.0	6.40
5742.416667	100.79	---	---	150.0	H	194.0	6.58
5974.833333	50.35	68.20	17.85	150.0	H	216.0	7.52



Critical Freqs

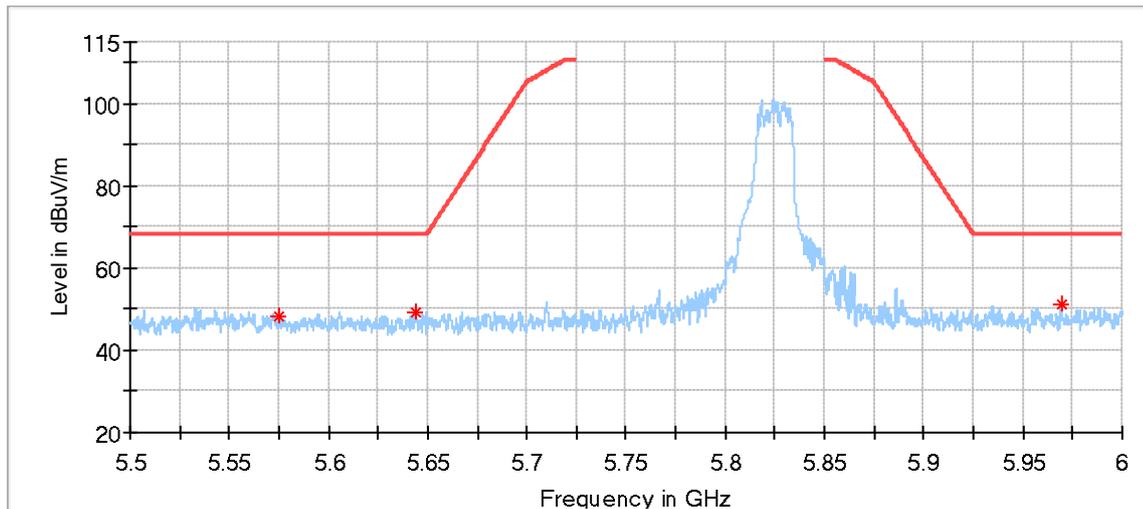
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5571.750000	49.67	68.20	18.53	150.0	V	335.0	6.49
5641.916667	49.11	68.20	19.09	150.0	V	182.0	6.38
5745.625000	102.19	---	---	150.0	V	166.0	6.58
5955.166667	50.52	68.20	17.68	150.0	V	243.0	7.28

802.11n20_5825



Critical Freqs

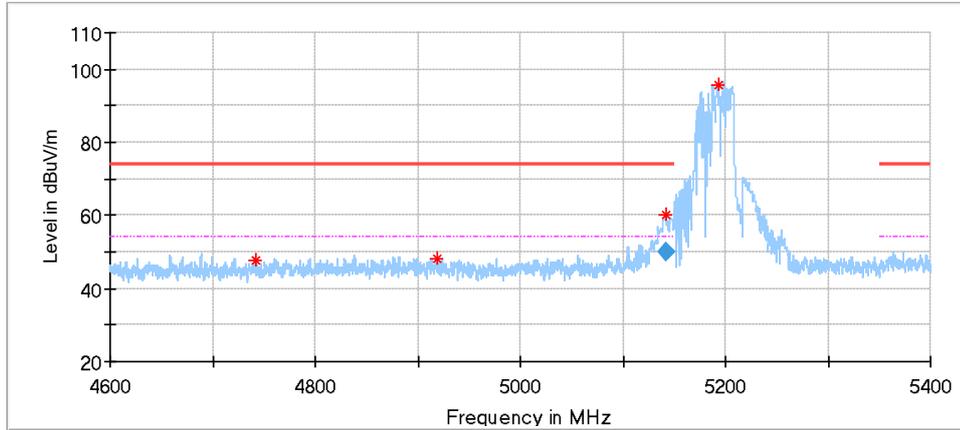
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5569.833333	49.95	68.20	18.25	150.0	H	228.0	6.53
5636.166667	49.64	68.20	18.56	150.0	H	147.0	6.34
5821.250000	98.82	---	---	150.0	H	14.0	6.60
5935.333333	50.91	68.20	17.29	150.0	H	228.0	7.08



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5575.458333	48.06	68.20	20.14	150.0	V	85.0	6.42
5644.208333	49.14	68.20	19.06	150.0	V	85.0	6.39
5969.166667	51.13	68.20	17.07	150.0	V	260.0	7.45

802.11n40_5190

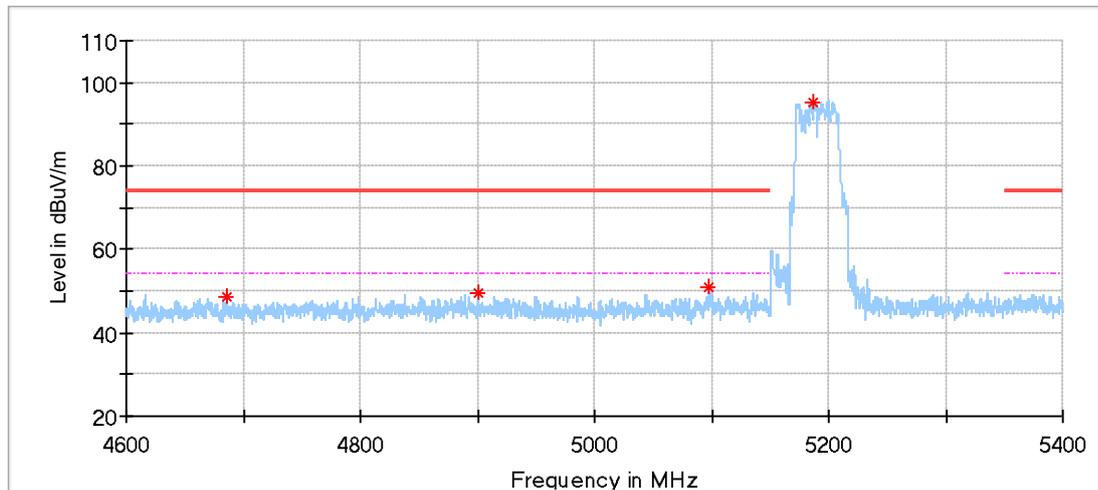


Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4741.333333	47.79	74.00	26.21	150.0	H	192.0	4.69
4919.000000	47.99	74.00	26.01	150.0	H	308.0	5.30
5141.666667	60.23	74.00	13.77	150.0	H	242.0	5.68
5193.733333	95.56	---	---	150.0	H	0.0	5.66

Final Result

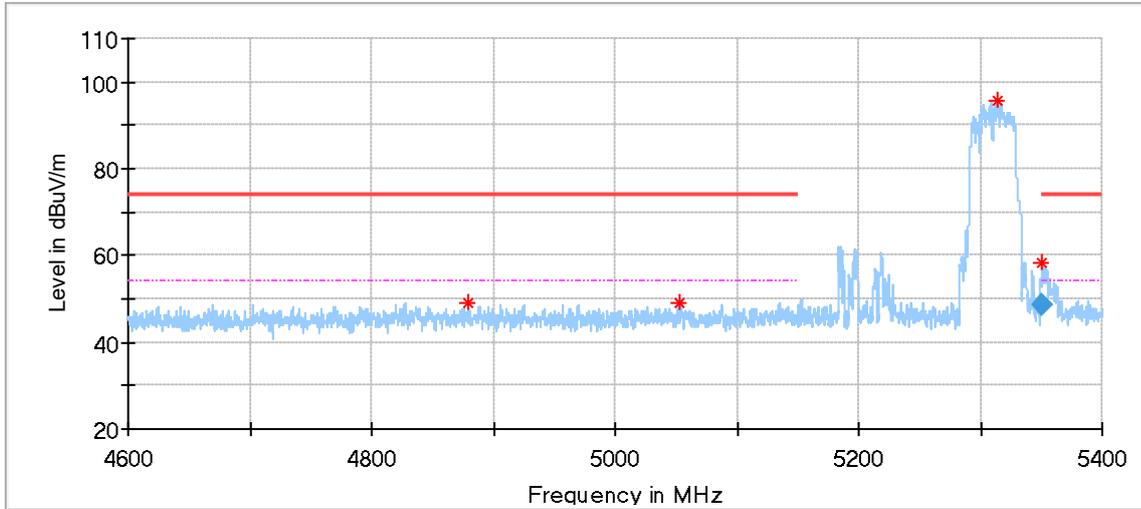
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5141.666667	49.80	54.00	4.20	150.0	H	242.0	5.68



Critical_Freqs

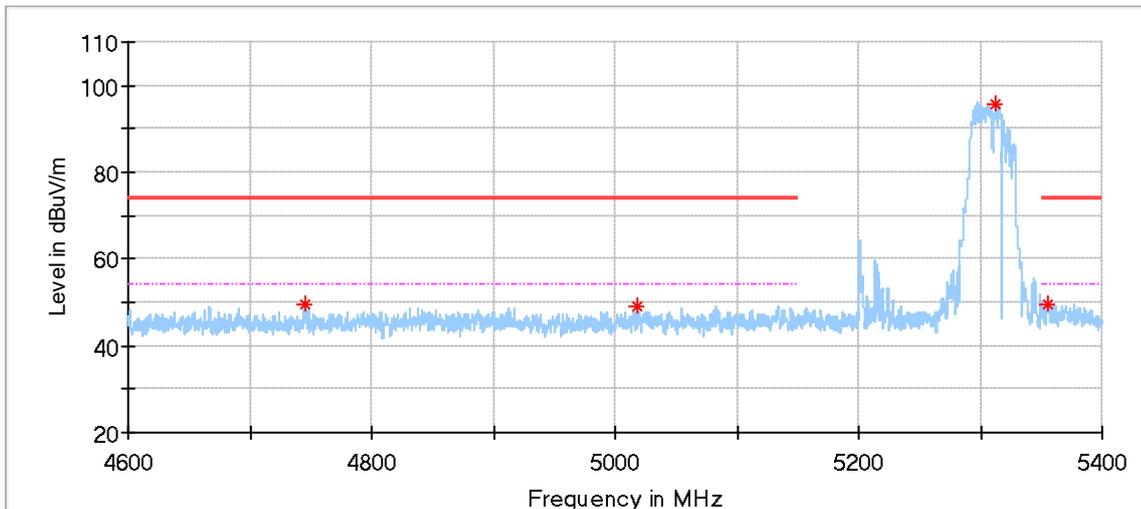
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4685.600000	48.39	74.00	25.61	150.0	V	30.0	4.56
4900.066667	49.47	74.00	24.53	150.0	V	0.0	5.23
5098.333333	50.76	74.00	23.24	150.0	V	184.0	5.49
5187.066667	95.36	---	---	150.0	V	140.0	5.70

802.11n40_5310



Critical Freqs

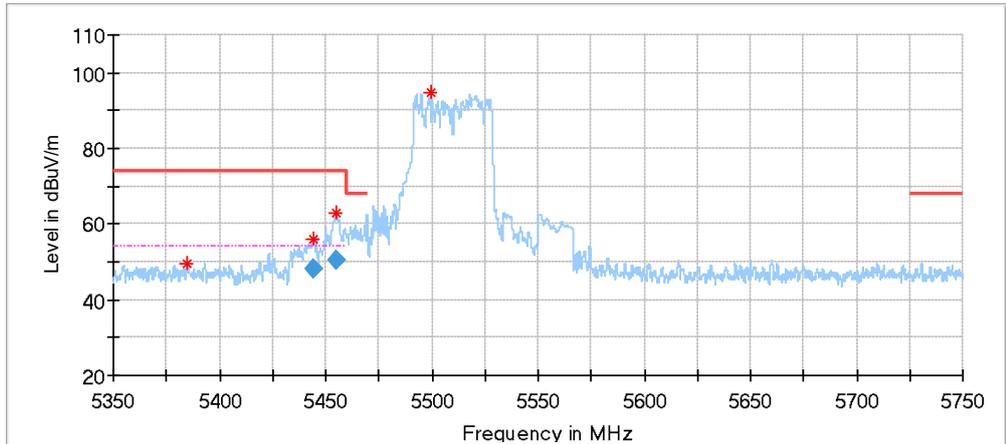
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4879.266667	49.10	74.00	24.90	150.0	H	276.0	5.04
5052.066667	49.11	74.00	24.89	150.0	H	358.0	5.25
5314.466667	95.57	---	---	150.0	H	210.0	5.93
5350.066667	58.17	74.00	15.83	150.0	H	42.0	6.15



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4744.733333	49.37	74.00	24.63	150.0	V	185.0	4.70
5018.266667	49.14	74.00	24.86	150.0	V	45.0	4.98
5311.866667	95.52	---	---	150.0	V	185.0	5.93
5354.866667	49.73	74.00	24.27	150.0	V	2.0	6.20

802.11n40_5510

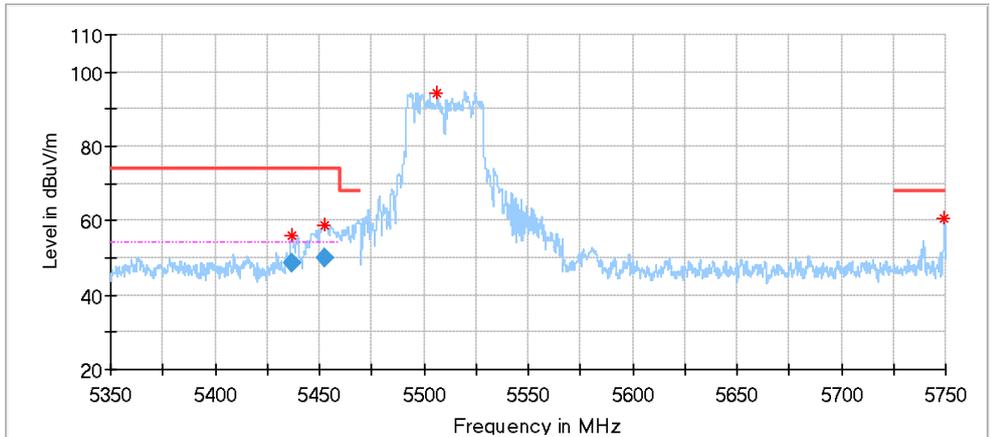


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5384.533333	49.43	74.00	24.57	150.0	H	178.0	6.38
5443.866667	55.77	74.00	18.23	150.0	H	195.0	6.33
5455.300000	62.95	74.00	11.05	150.0	H	8.0	6.32
5499.966667	94.69	---	---	150.0	H	218.0	6.60

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5443.866667	47.93	54.00	6.07	150.0	H	195.0	6.33
5455.300000	50.67	54.00	3.33	150.0	H	8.0	6.32



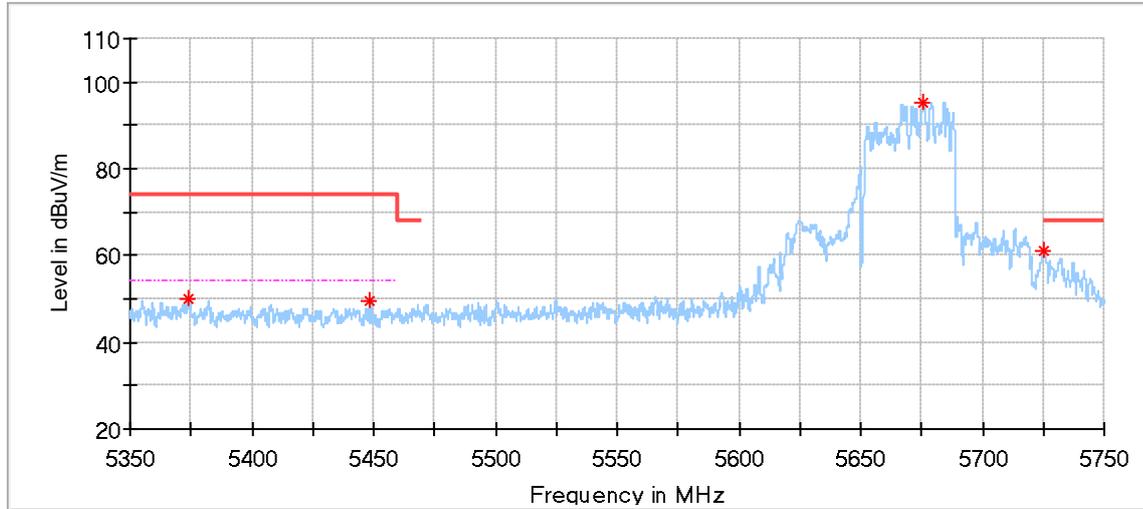
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5436.966667	55.88	74.00	18.12	150.0	V	264.0	6.33
5452.733333	58.74	74.00	15.26	150.0	V	153.0	6.32
5506.100000	94.13	---	---	150.0	V	223.0	6.70
5749.333333	60.66	68.20	7.54	150.0	V	36.0	6.58

Final Result

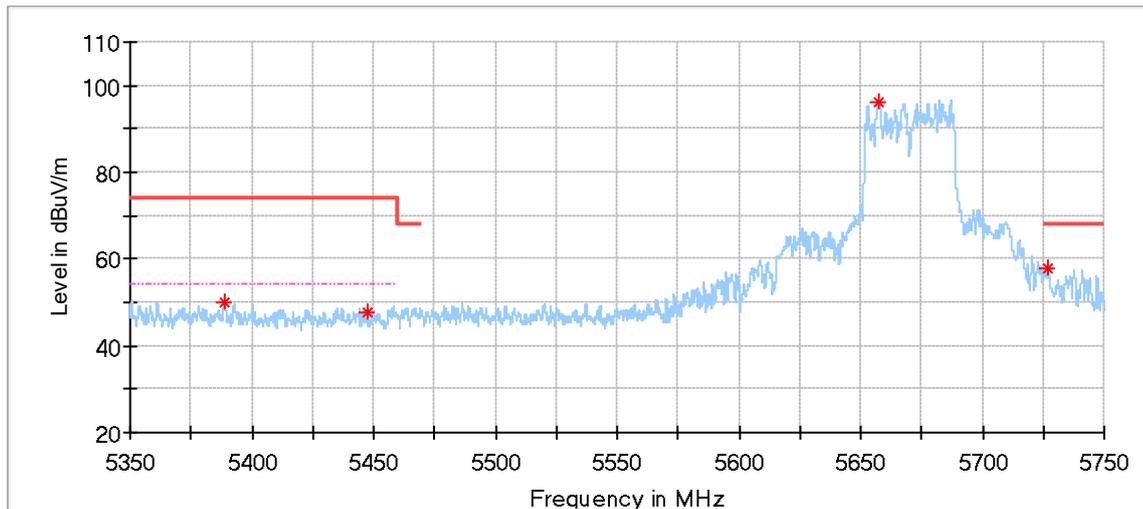
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5436.966667	48.45	54.00	5.55	150.0	V	264.0	6.33
5452.733333	50.10	54.00	3.90	150.0	V	153.0	6.32

802.11n40_5670



Critical Freqs

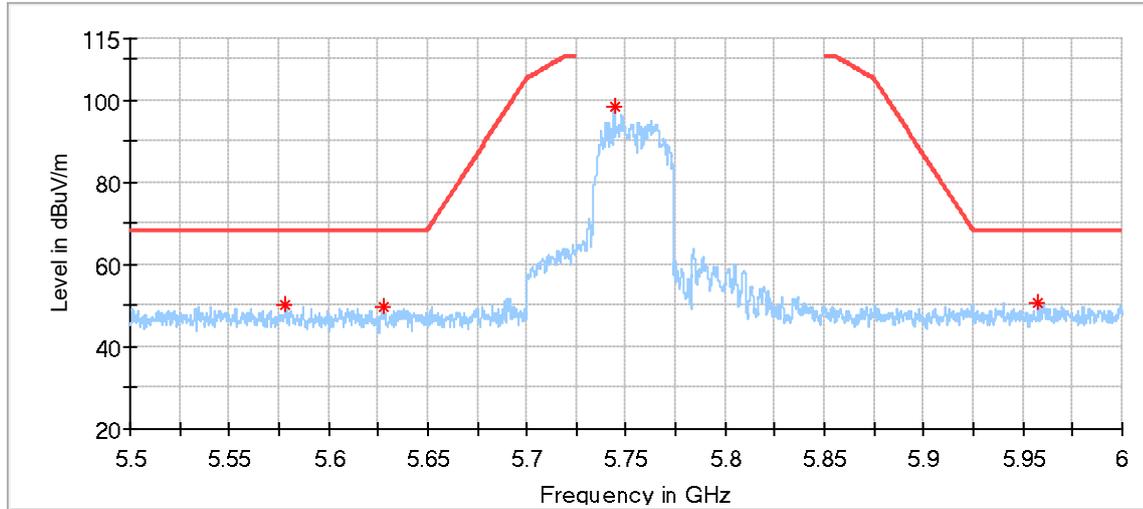
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5373.600000	49.92	74.00	24.08	150.0	H	309.0	6.38
5448.566667	49.37	74.00	24.63	150.0	H	154.0	6.33
5675.666667	95.04	---	---	150.0	H	5.0	6.47
5725.133333	61.01	68.20	7.19	150.0	H	13.0	6.56



Critical Freqs

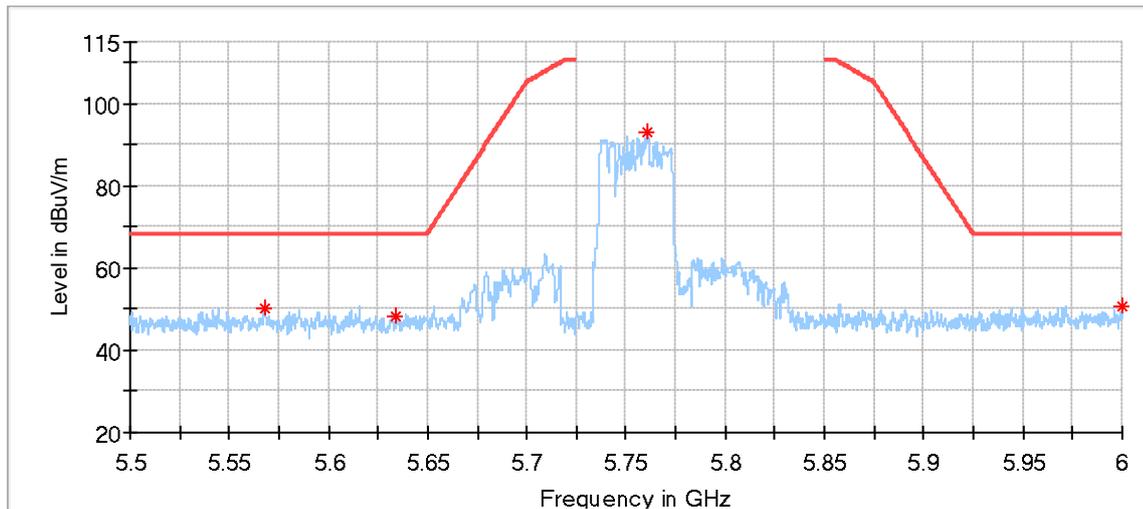
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5388.633333	49.83	74.00	24.17	150.0	V	250.0	6.39
5447.466667	47.75	74.00	26.25	150.0	V	13.0	6.33
5657.833333	96.12	---	---	150.0	V	223.0	6.43
5727.000000	58.06	68.20	10.14	150.0	V	197.0	6.56

802.11n40_5755



Critical Freqs

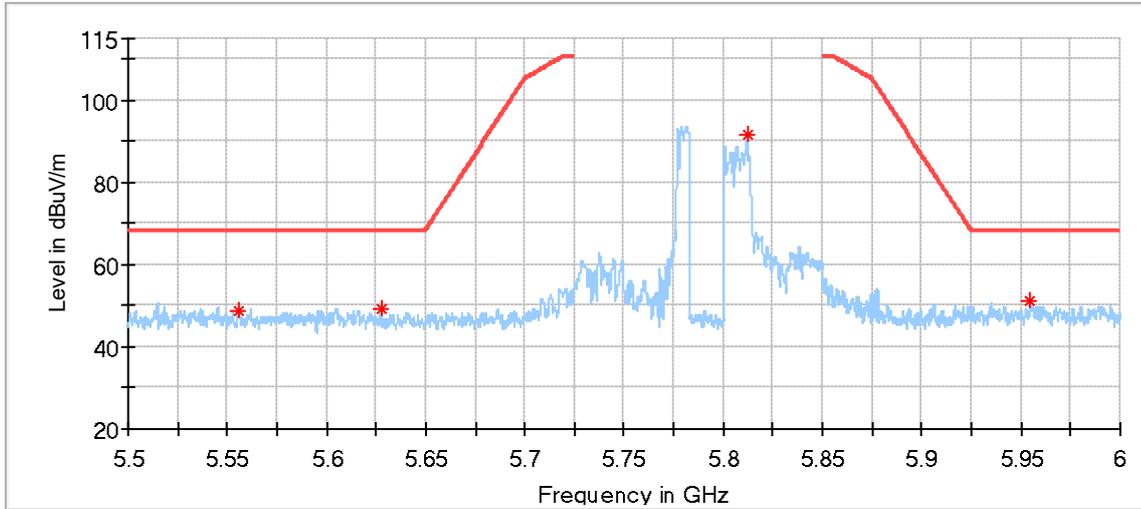
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5578.375000	50.05	68.20	18.15	150.0	H	308.0	6.37
5627.833333	49.72	68.20	18.48	150.0	H	41.0	6.30
5744.000000	98.40	---	---	150.0	H	217.0	6.58
5957.416667	50.48	68.20	17.72	150.0	H	158.0	7.31



Critical Freqs

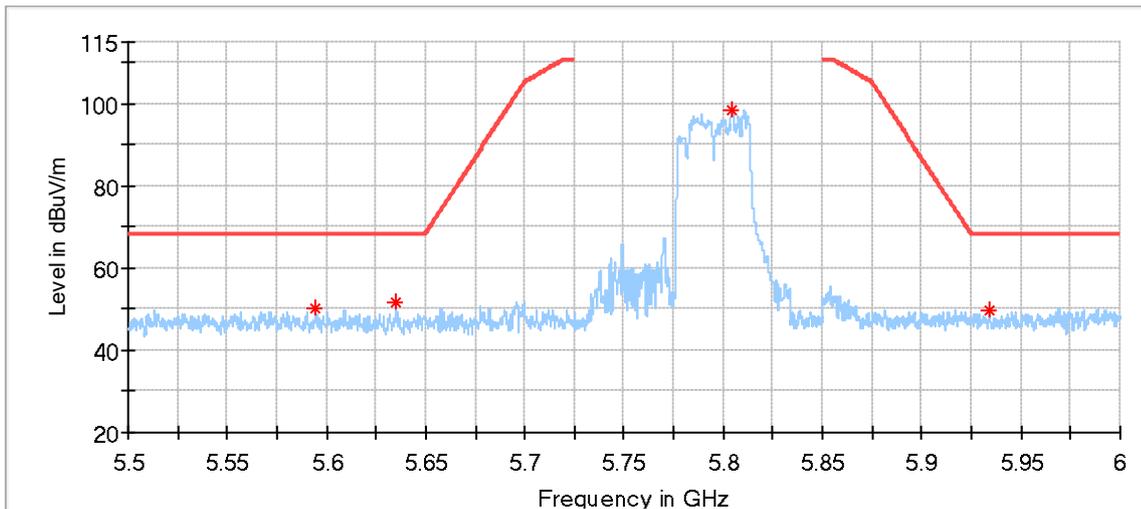
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5568.000000	49.99	68.20	18.21	150.0	V	192.0	6.56
5634.166667	48.49	68.20	19.71	150.0	V	0.0	6.33
5760.791667	92.89	---	---	150.0	V	34.0	6.59
6000.000000	50.76	68.20	17.44	150.0	V	302.0	7.76

802.11n40_5795



Critical Freqs

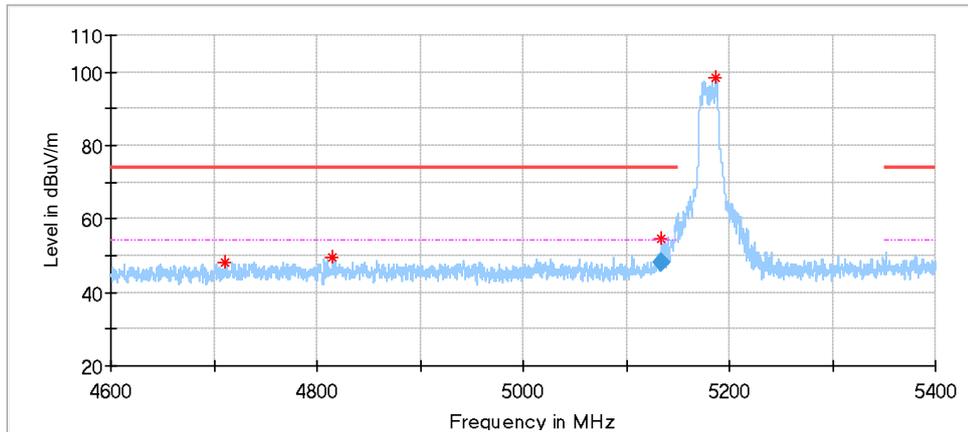
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5555.833333	48.82	68.20	19.38	150.0	H	146.0	6.78
5627.416667	49.24	68.20	18.96	150.0	H	82.0	6.30
5811.875000	91.40	---	---	150.0	H	228.0	6.57
5954.625000	51.30	68.20	16.90	150.0	H	187.0	7.27



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5594.458333	50.06	68.20	18.14	150.0	V	9.0	6.12
5635.000000	51.73	68.20	16.47	150.0	V	223.0	6.34
5804.625000	98.49	---	---	150.0	V	179.0	6.55
5933.958333	49.78	68.20	18.42	150.0	V	14.0	7.08

802.11ac20_5180

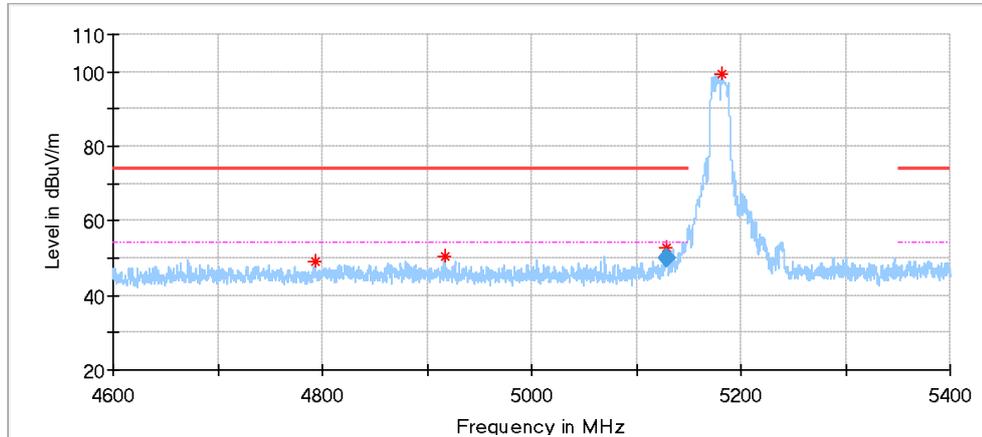


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4710.600000	48.06	74.00	25.94	150.0	H	296.0	4.61
4815.600000	49.45	74.00	24.55	150.0	H	202.0	4.90
5134.066667	54.76	74.00	19.24	150.0	H	191.0	5.64
5186.733333	98.37	---	---	150.0	H	352.0	5.70

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5134.066667	48.04	54.00	5.96	150.0	H	191.0	5.64



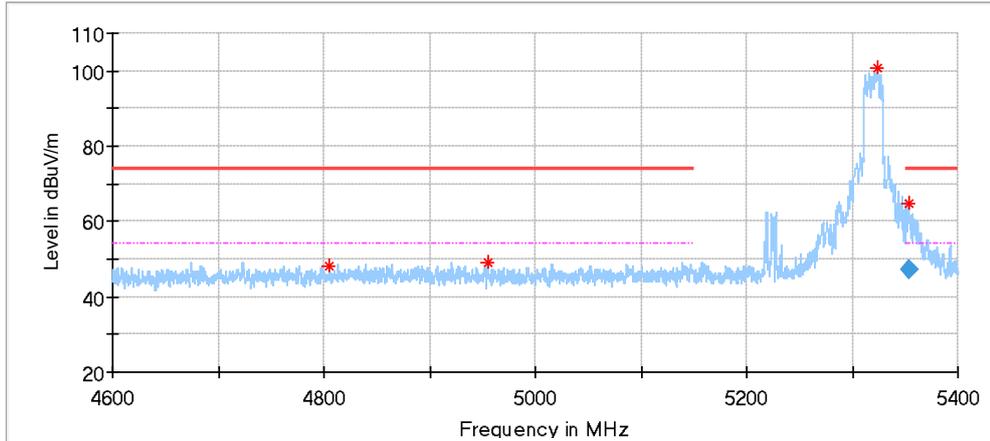
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4793.066667	49.30	74.00	24.70	150.0	V	118.0	4.84
4916.533333	50.33	74.00	23.67	150.0	V	0.0	5.33
5128.333333	52.66	74.00	21.34	150.0	V	351.0	5.61
5182.133333	99.55	---	---	150.0	V	151.0	5.73

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5128.333333	50.20	54.00	3.80	150.0	V	351.0	5.61

802.11ac20_5320

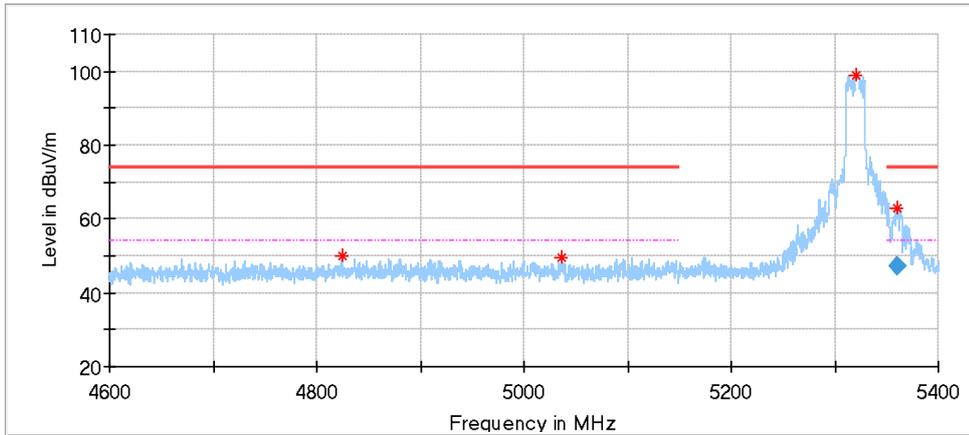


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4804.733333	48.27	74.00	25.73	150.0	H	122.0	4.87
4954.733333	48.97	74.00	25.03	150.0	H	45.0	4.93
5323.533333	100.68	---	---	150.0	H	349.0	5.95
5353.200000	64.69	74.00	9.31	150.0	H	233.0	6.18

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5353.200000	47.38	54.00	6.62	150.0	H	233.0	6.18



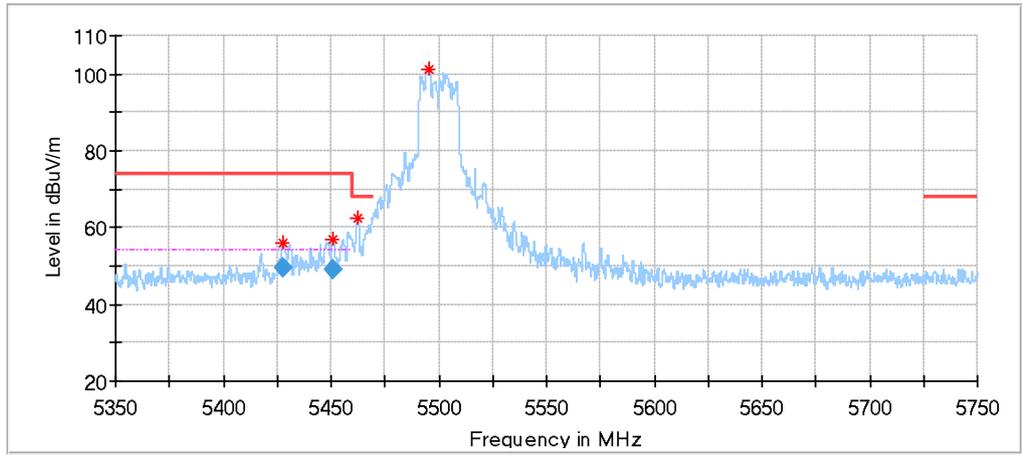
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.066667	49.79	74.00	24.21	150.0	V	341.0	4.91
5036.866667	49.56	74.00	24.44	150.0	V	165.0	5.13
5320.800000	98.95	---	---	150.0	V	209.0	5.93
5359.600000	63.00	74.00	11.00	150.0	V	187.0	6.24

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5359.600000	47.03	54.00	6.97	150.0	V	187.0	6.24

802.11ac20_5500

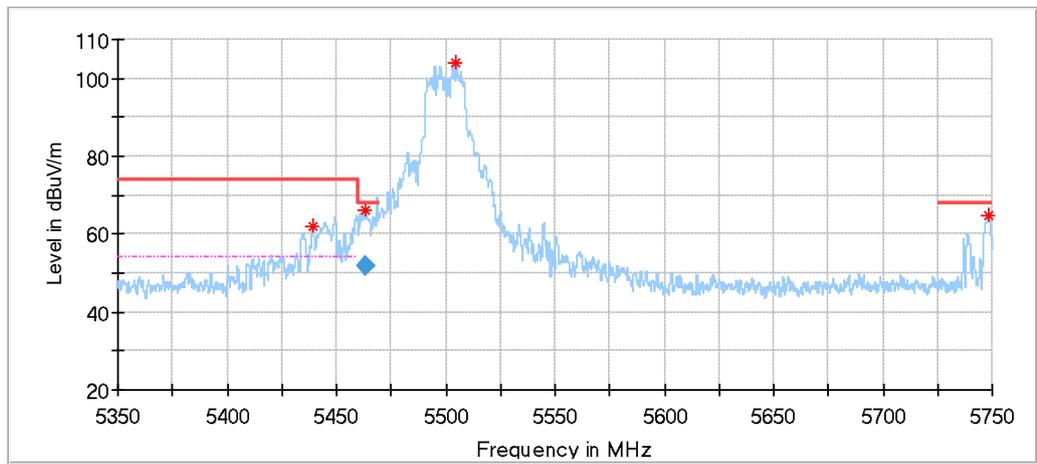


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5427.633333	56.13	74.00	17.87	150.0	H	187.0	6.34
5450.966667	57.05	74.00	16.95	150.0	H	213.0	6.32
5462.266667	62.32	68.20	5.88	150.0	H	213.0	6.31
5495.600000	101.36	---	---	150.0	H	213.0	6.53

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5427.633333	49.55	54.00	4.45	150.0	H	187.0	6.34
5450.966667	49.16	54.00	4.84	150.0	H	213.0	6.32



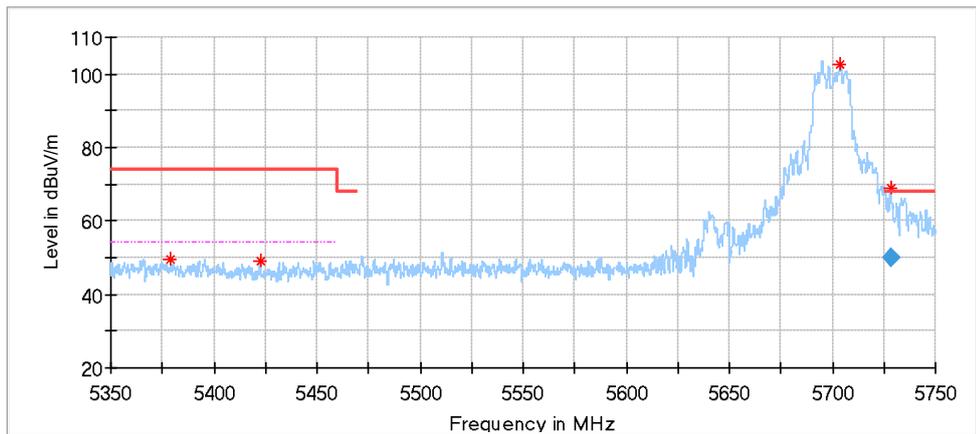
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5439.066667	62.15	74.00	11.85	150.0	V	174.0	6.33
5463.566667	66.15	68.20	2.05	150.0	V	212.0	6.31
5504.700000	103.82	---	---	150.0	V	180.0	6.67
5748.533333	64.88	68.20	3.32	150.0	V	174.0	6.58

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5463.566667	51.93	---	---	150.0	V	212.0	6.31

802.11ac20_5700

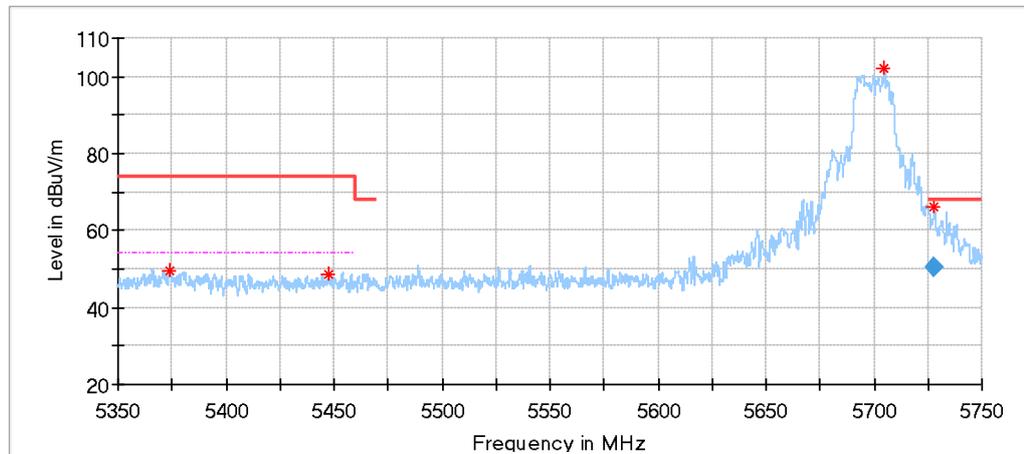


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5379.100000	49.66	74.00	24.34	150.0	H	321.0	6.38
5422.500000	49.17	74.00	24.83	150.0	H	234.0	6.35
5703.766667	102.52	---	---	150.0	H	209.0	6.54
5728.333333	68.90	68.20	-0.70	150.0	H	163.0	6.56

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5728.333333	50.20	---	---	150.0	H	163.0	6.56



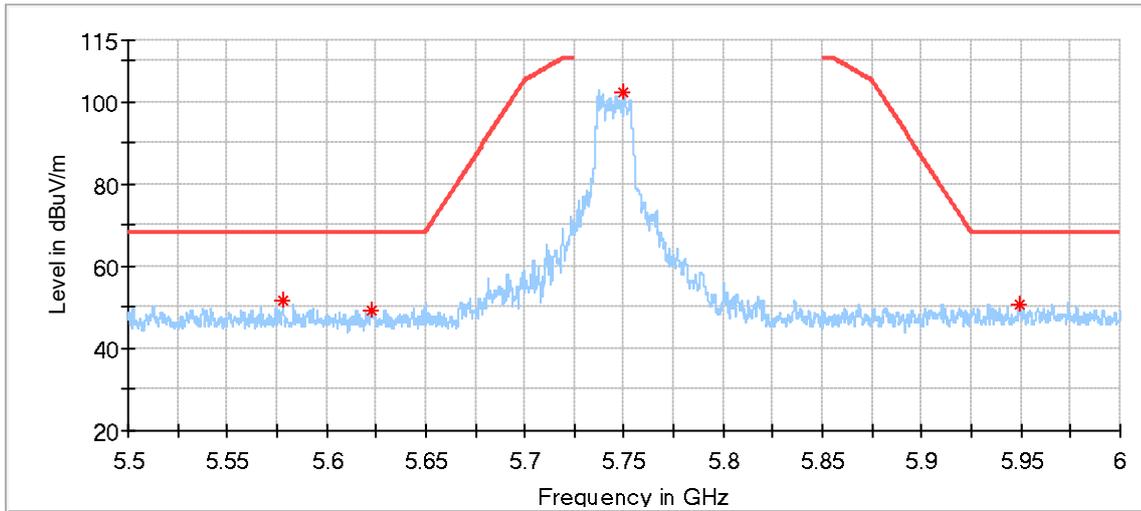
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5373.833333	49.70	74.00	24.30	150.0	V	11.0	6.38
5447.466667	48.57	74.00	25.43	150.0	V	53.0	6.33
5704.800000	102.33	---	---	150.0	V	219.0	6.54
5727.866667	66.37	68.20	1.83	150.0	V	175.0	6.56

Final Result

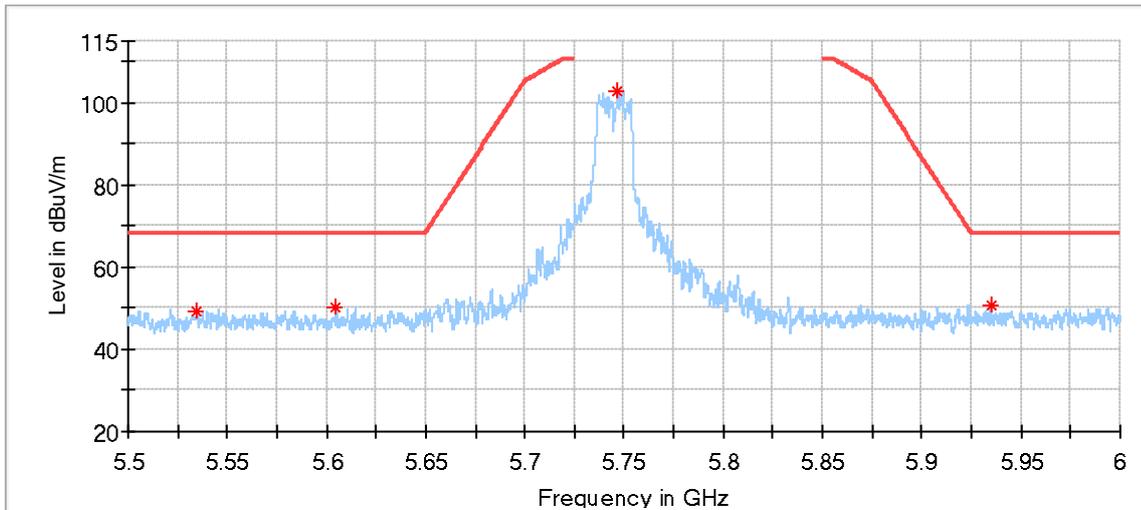
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5727.866667	50.60	---	---	150.0	V	175.0	6.56

802.11ac20_5745



Critical Freqs

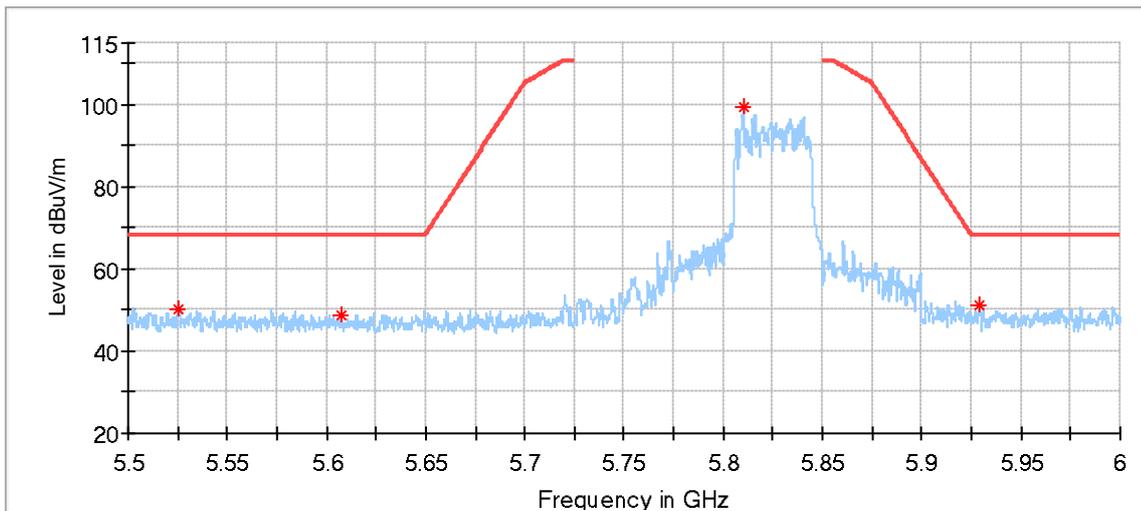
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5578.041667	51.51	68.20	16.69	150.0	H	58.0	6.37
5623.208333	49.41	68.20	18.79	150.0	H	288.0	6.28
5750.000000	102.51	---	---	150.0	H	216.0	6.58
5949.083333	50.59	68.20	17.61	150.0	H	147.0	7.21



Critical Freqs

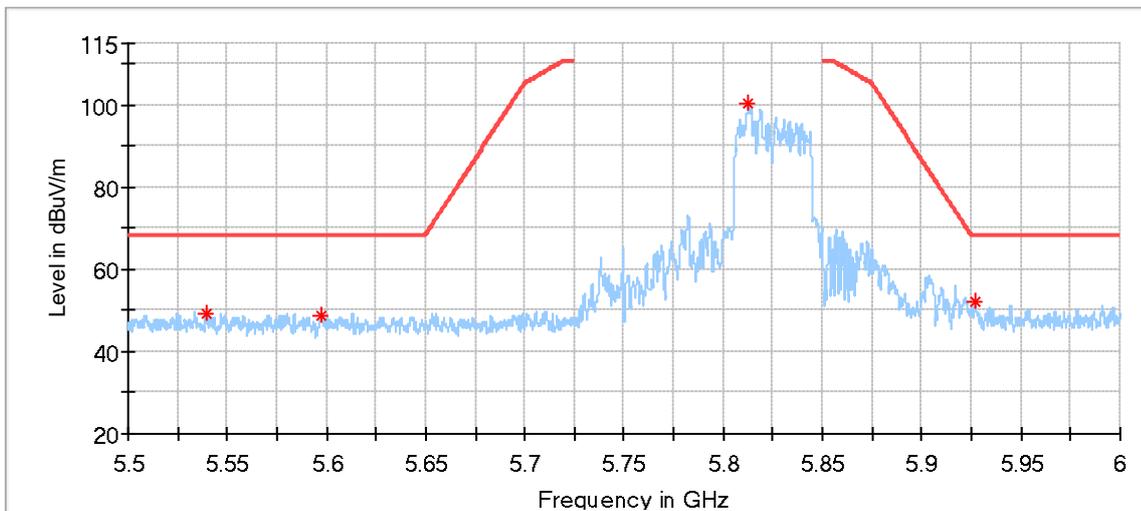
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5534.666667	49.14	68.20	19.06	150.0	V	228.0	7.12
5604.791667	50.33	68.20	17.87	150.0	V	264.0	6.18
5746.583333	102.72	---	---	150.0	V	217.0	6.58
5934.750000	50.85	68.20	17.35	150.0	V	85.0	7.08

802.11ac20_5825



Critical Freqs

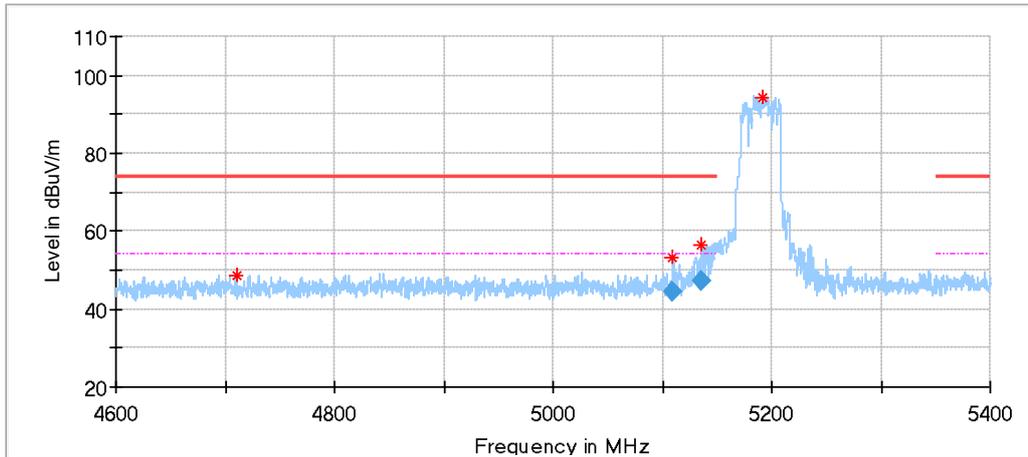
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5525.541667	50.42	68.20	17.78	150.0	H	15.0	6.99
5607.125000	48.89	68.20	19.31	150.0	H	269.0	6.19
5810.041667	99.29	---	---	150.0	H	32.0	6.56
5929.166667	51.02	68.20	17.18	150.0	H	169.0	7.09



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5539.166667	49.20	68.20	19.00	150.0	V	242.0	7.11
5597.166667	48.91	68.20	19.29	150.0	V	36.0	6.14
5812.666667	100.51	---	---	150.0	V	170.0	6.57
5926.791667	52.02	68.20	16.18	150.0	V	187.0	7.09

802.11ac40_5190

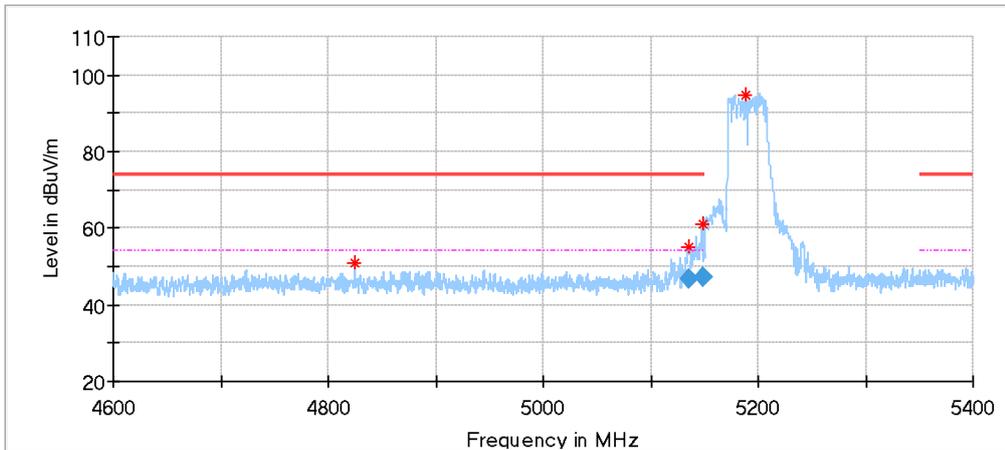


Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4710.066667	48.78	74.00	25.22	150.0	H	346.0	4.61
5109.800000	53.25	74.00	20.75	150.0	H	356.0	5.52
5135.600000	56.60	74.00	17.40	150.0	H	0.0	5.65
5191.400000	94.27	---	---	150.0	H	2.0	5.67

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5109.800000	44.60	54.00	9.40	150.0	H	356.0	5.52
5135.600000	47.20	54.00	6.80	150.0	H	0.0	5.65



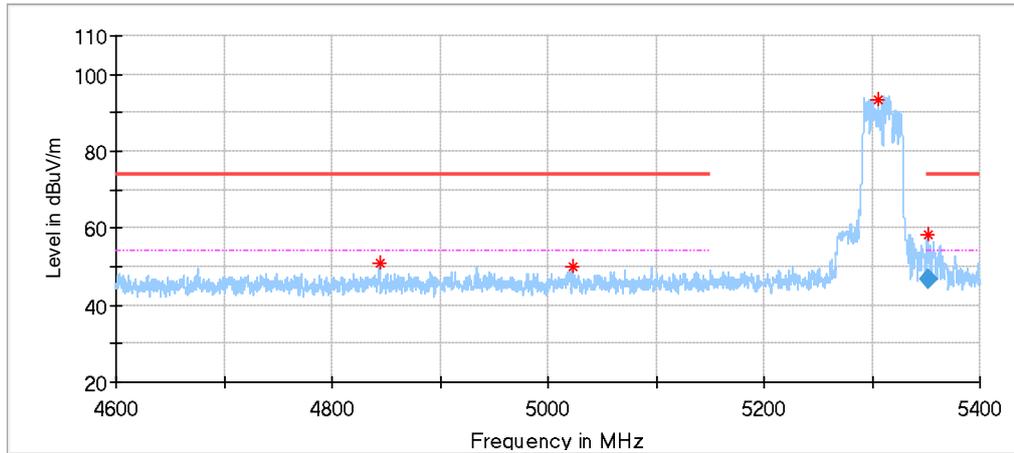
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.666667	50.84	74.00	23.16	150.0	V	218.0	4.91
5134.800000	54.86	74.00	19.14	150.0	V	351.0	5.64
5148.066667	60.93	74.00	13.07	150.0	V	351.0	5.72
5188.666667	94.61	---	---	150.0	V	169.0	5.69

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5134.800000	46.90	54.00	7.10	150.0	V	351.0	5.64
5148.066667	47.20	54.00	6.80	150.0	V	351.0	5.72

802.11ac40_5310

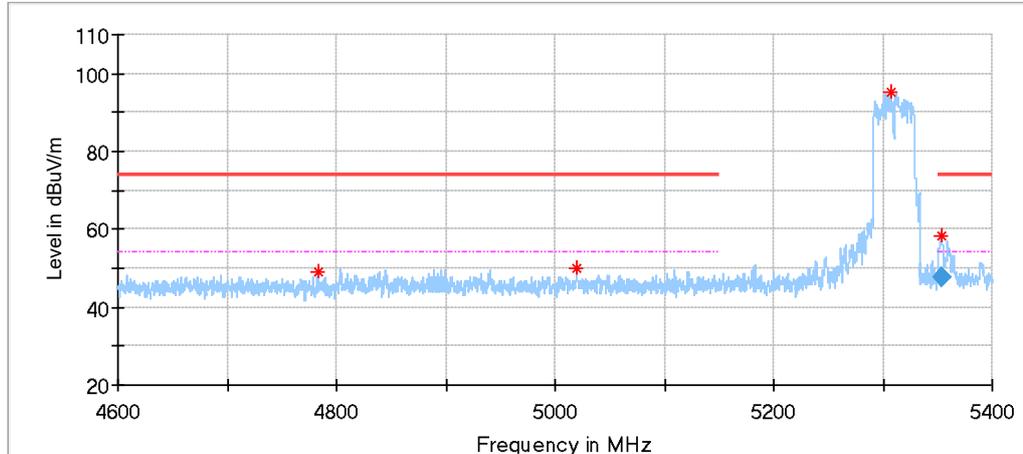


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4843.933333	50.90	74.00	23.10	150.0	H	272.0	4.92
5022.400000	50.14	74.00	23.86	150.0	H	334.0	5.01
5306.066667	93.55	---	---	150.0	H	0.0	5.94
5351.533333	58.50	74.00	15.50	150.0	H	228.0	6.16

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5351.533333	46.80	54.00	7.20	150.0	H	228.0	6.16



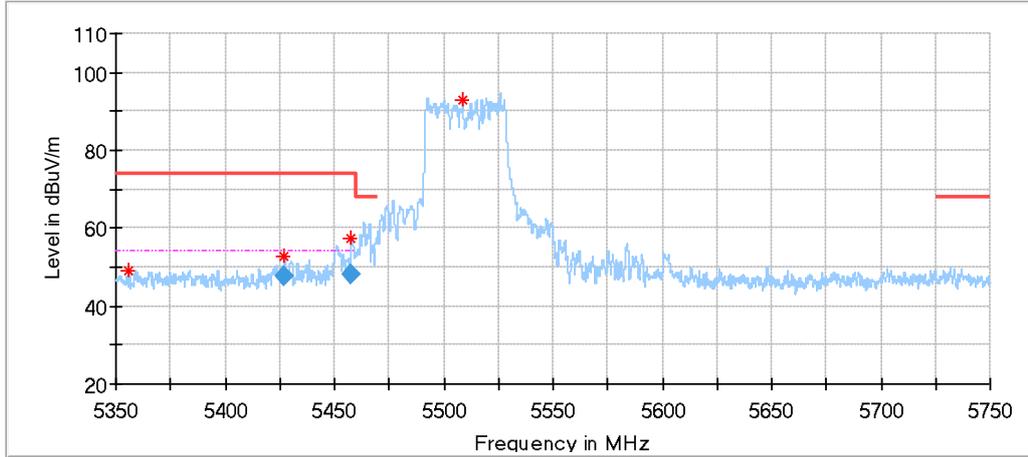
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4782.866667	49.27	74.00	24.73	150.0	V	120.0	4.81
5019.800000	50.22	74.00	23.78	150.0	V	359.0	4.99
5307.666667	95.14	---	---	150.0	V	186.0	5.94
5353.666667	58.24	74.00	15.76	150.0	V	257.0	6.18

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5353.666667	47.60	54.00	6.40	150.0	V	257.0	6.18

802.11ac40_5510

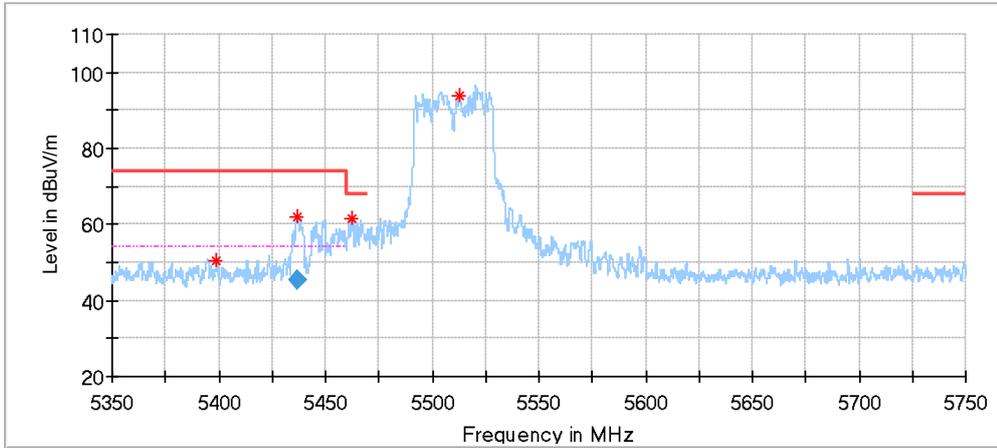


Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5356.100000	49.13	74.00	24.87	150.0	H	147.0	6.21
5426.900000	52.99	74.00	21.01	150.0	H	351.0	6.34
5457.700000	57.50	74.00	16.50	150.0	H	341.0	6.32
5508.600000	93.03	---	---	150.0	H	0.0	6.73

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5426.900000	47.60	54.00	6.40	150.0	H	351.0	6.34
5457.700000	48.30	54.00	5.70	150.0	H	341.0	6.32



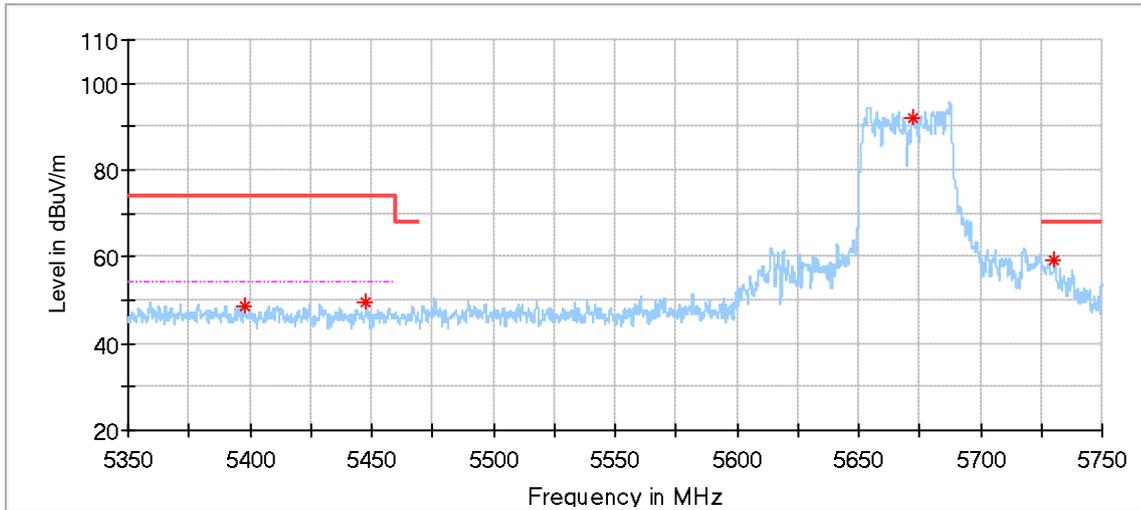
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5399.100000	50.25	74.00	23.75	150.0	V	134.0	6.39
5437.000000	62.05	74.00	11.95	150.0	V	185.0	6.33
5462.566667	61.75	68.20	6.45	150.0	V	352.0	6.31
5512.866667	93.83	---	---	150.0	V	189.0	6.80

Final Result

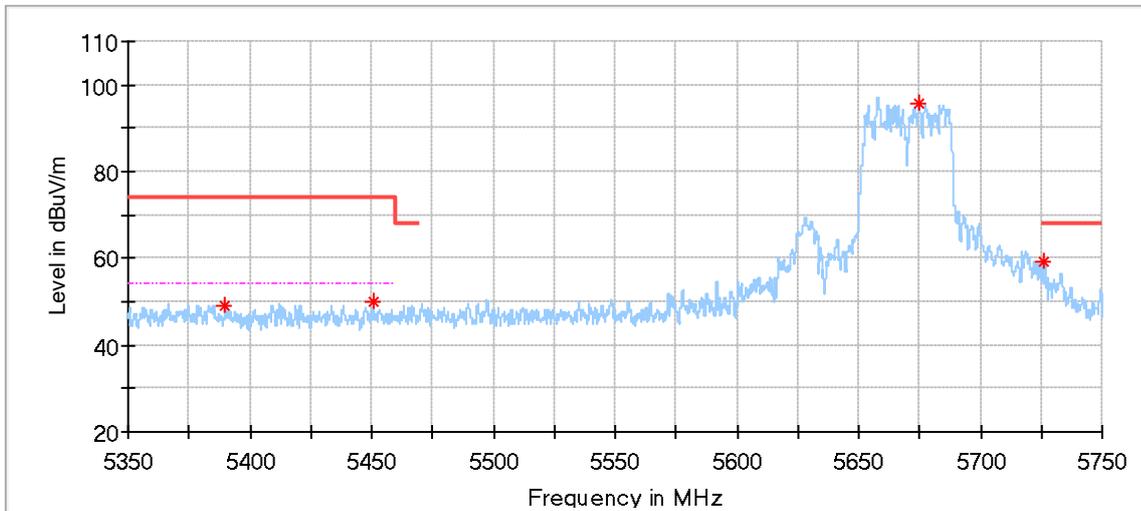
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5437.000000	45.30	54.00	8.70	150.0	V	185.0	6.33

802.11ac40_5670



Critical Freqs

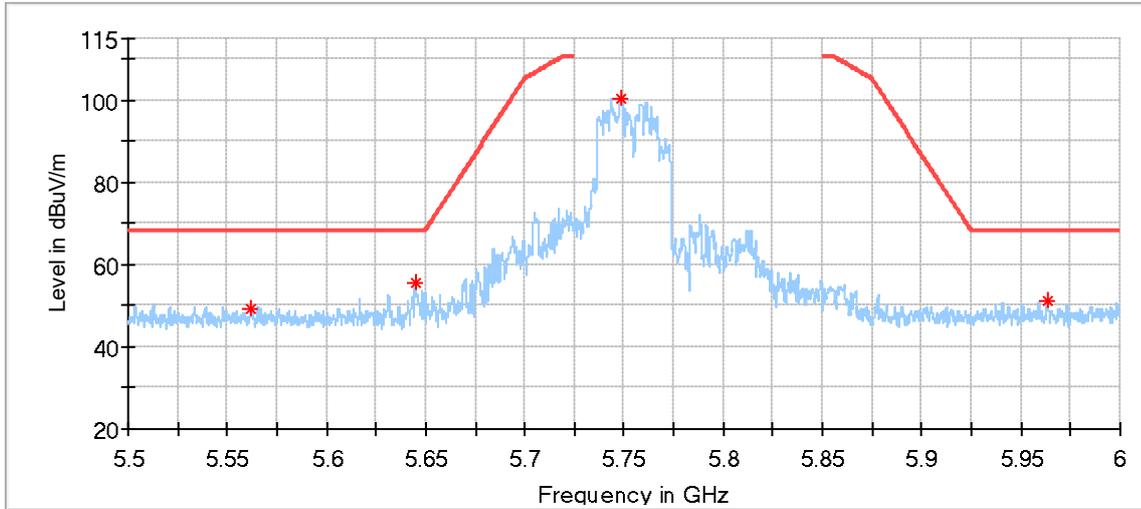
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5397.633333	48.80	74.00	25.20	150.0	H	22.0	6.39
5447.800000	49.68	74.00	24.32	150.0	H	0.0	6.33
5672.300000	92.12	---	---	150.0	H	0.0	6.47
5730.500000	59.44	68.20	8.76	150.0	H	212.0	6.57



Critical Freqs

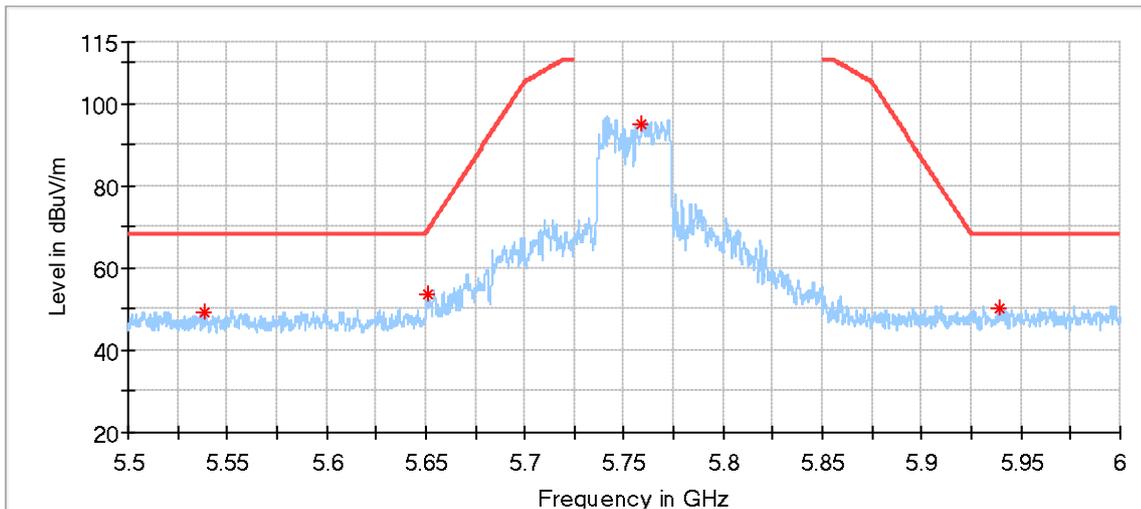
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5390.033333	49.27	74.00	24.73	150.0	V	72.0	6.39
5450.766667	49.78	74.00	24.22	150.0	V	93.0	6.32
5674.733333	95.47	---	---	150.0	V	217.0	6.47
5726.366667	59.07	68.20	9.13	150.0	V	345.0	6.56

802.11ac40_5755



Critical Freqs

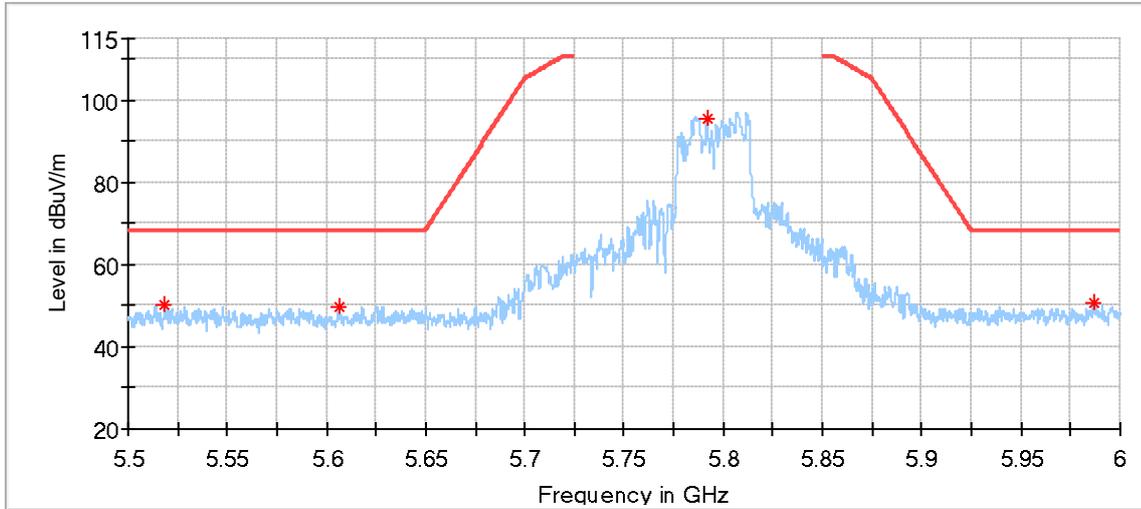
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5561.916667	49.05	68.20	19.15	150.0	H	113.0	6.67
5644.666667	55.55	68.20	12.65	150.0	H	0.0	6.39
5748.083333	100.28	---	---	150.0	H	357.0	6.58
5963.291667	51.08	68.20	17.12	150.0	H	12.0	7.38



Critical Freqs

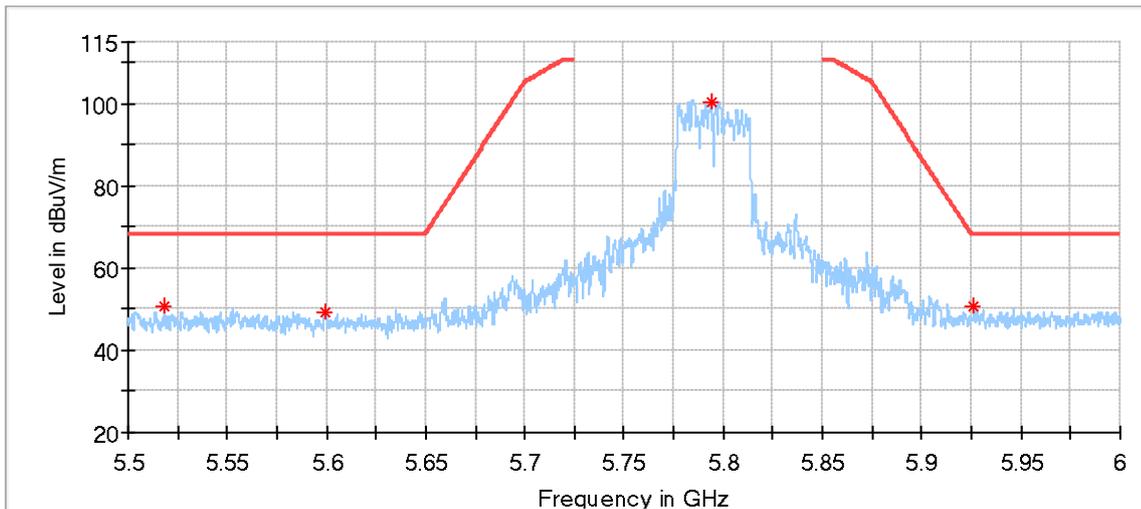
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5538.833333	49.21	68.20	18.99	150.0	V	26.0	7.12
5650.875000	53.64	68.85	15.21	150.0	V	242.0	6.42
5758.500000	95.17	---	---	150.0	V	121.0	6.59
5939.333333	50.45	68.20	17.75	150.0	V	231.0	7.11

802.11ac40_5795



Critical Freqs

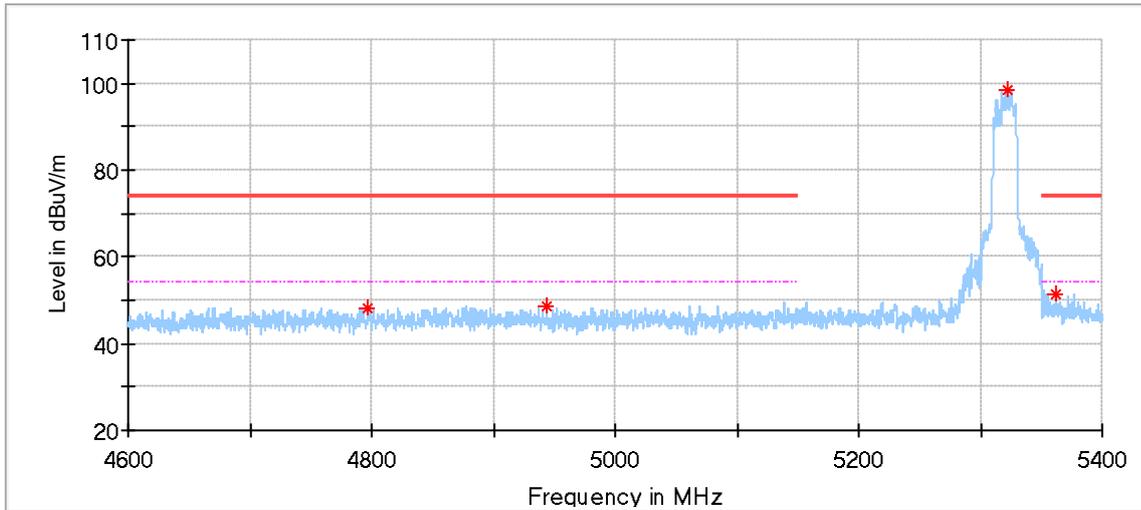
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5518.500000	50.40	68.20	17.80	150.0	H	219.0	6.88
5606.166667	49.65	68.20	18.55	150.0	H	320.0	6.18
5792.041667	95.55	---	---	150.0	H	356.0	6.55
5986.666667	50.67	68.20	17.53	150.0	H	117.0	7.66



Critical Freqs

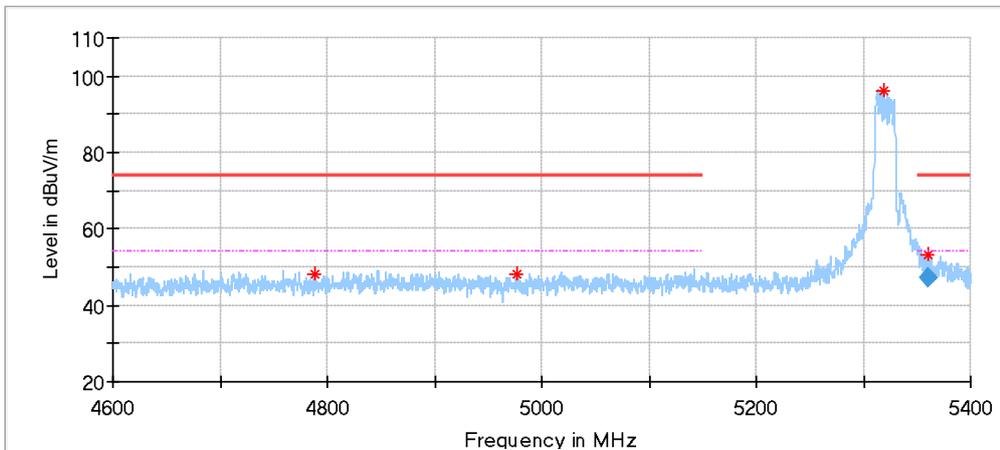
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5518.083333	50.64	68.20	17.56	150.0	V	190.0	6.88
5599.666667	49.28	68.20	18.92	150.0	V	168.0	6.15
5793.666667	100.62	---	---	150.0	V	173.0	6.55
5926.333333	50.69	68.20	17.51	150.0	V	245.0	7.09

802.11ax20_5320



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4797.400000	48.30	74.00	25.70	150.0	H	268.0	4.85
4943.866667	48.52	74.00	25.48	150.0	H	158.0	5.03
5322.066667	98.35	---	---	150.0	H	0.0	5.94
5361.800000	51.45	74.00	22.55	150.0	H	240.0	6.26



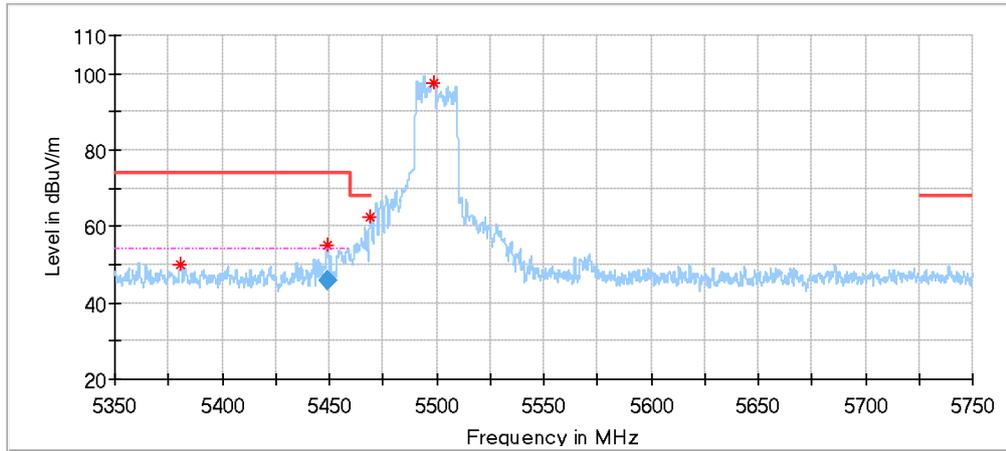
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4787.666667	48.34	74.00	25.66	150.0	V	147.0	4.82
4977.333333	48.29	74.00	25.71	150.0	V	235.0	4.90
5318.866667	96.18	---	---	150.0	V	252.0	5.93
5360.866667	53.42	74.00	20.58	150.0	V	359.0	6.25

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5360.866667	47.20	54.00	6.80	150.0	V	359.0	6.25

802.11ax20_5500

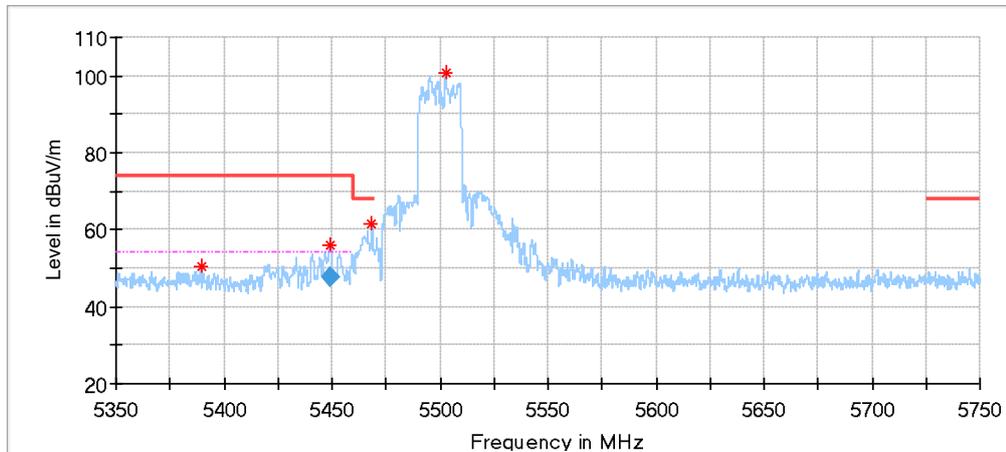


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5380.733333	49.99	74.00	24.01	150.0	H	252.0	6.38
5448.800000	55.22	74.00	18.78	150.0	H	0.0	6.33
5469.233333	62.39	68.20	5.81	150.0	H	358.0	6.31
5499.066667	97.38	---	---	150.0	H	188.0	6.59

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5448.800000	45.80	54.00	8.20	150.0	H	0.0	6.33



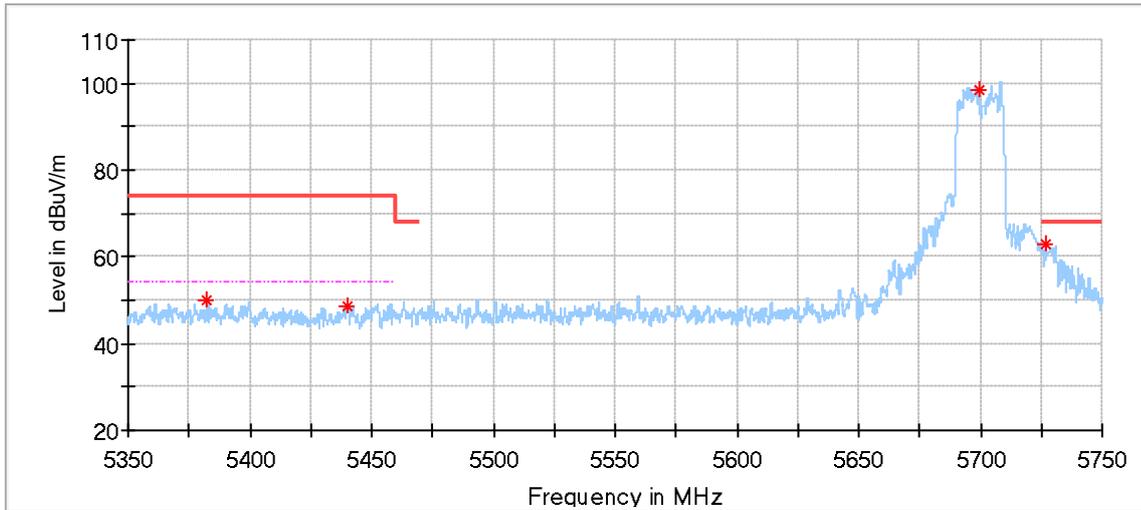
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5389.300000	50.25	74.00	23.75	150.0	V	129.0	6.39
5448.966667	56.02	74.00	17.98	150.0	V	182.0	6.33
5468.500000	61.60	68.20	6.60	150.0	V	259.0	6.31
5502.700000	100.76	---	---	150.0	V	197.0	6.64

Final Result

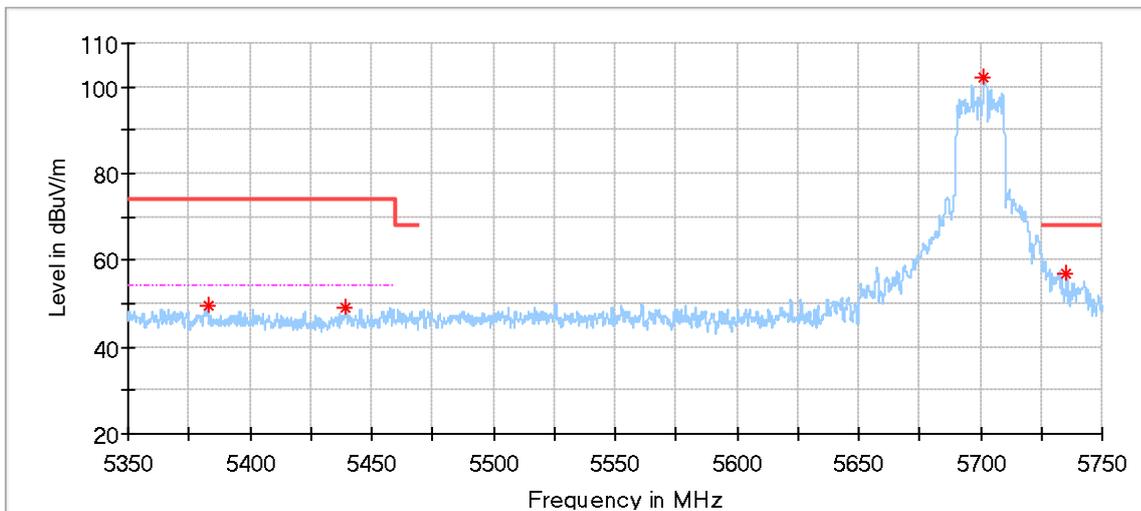
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5448.966667	47.80	54.00	6.20	150.0	V	182.0	6.33

802.11ax20_5700



Critical Freqs

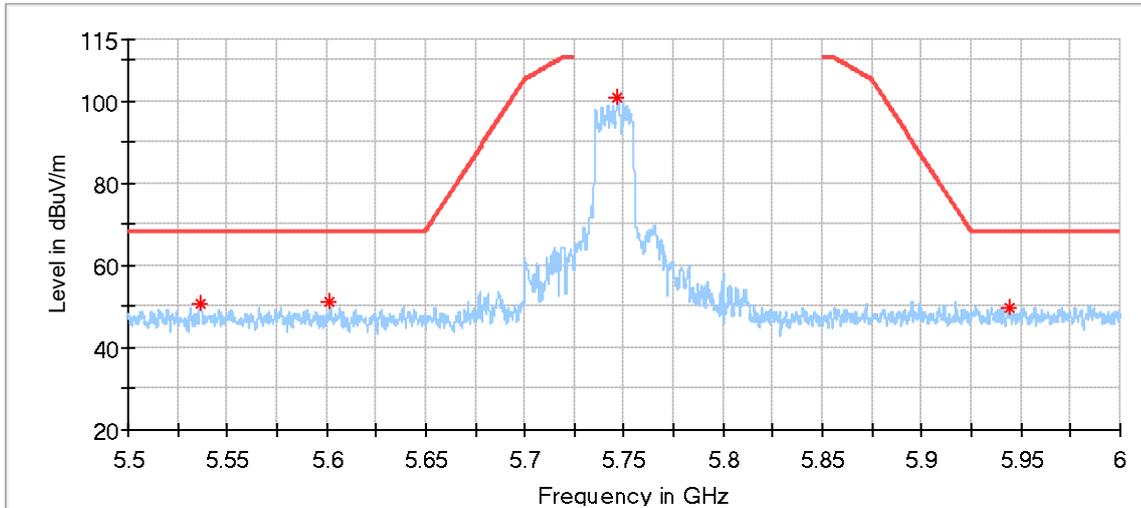
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5382.400000	49.99	74.00	24.01	150.0	H	186.0	6.38
5439.900000	48.83	74.00	25.17	150.0	H	44.0	6.33
5699.333333	98.65	---	---	150.0	H	355.0	6.53
5726.866667	62.89	68.20	5.31	150.0	H	0.0	6.56



Critical Freqs

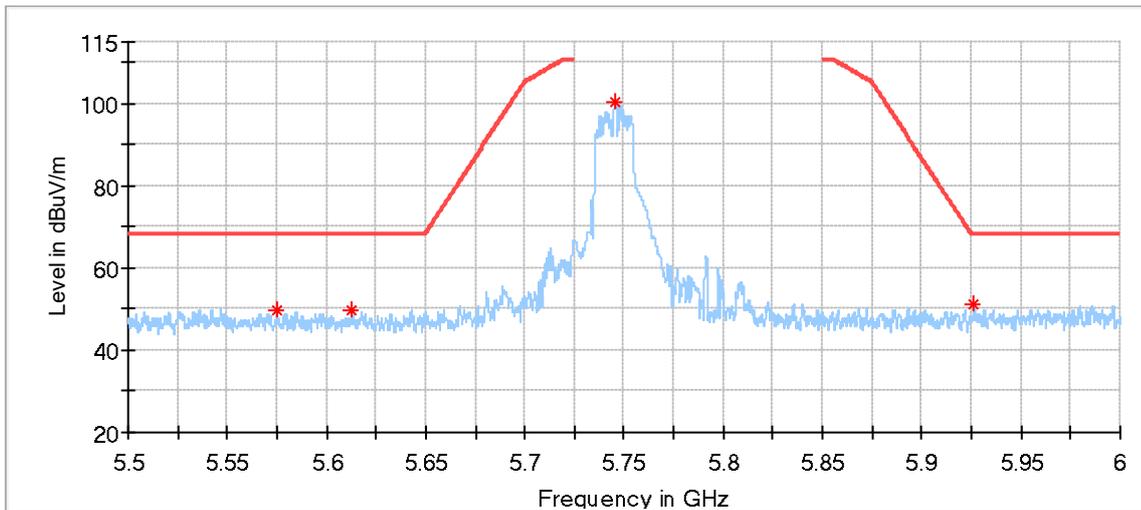
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)
5383.033333	49.64	74.00	24.36	150.0	V	278.0	6.38	---
5439.566667	49.16	74.00	24.84	150.0	V	302.0	6.33	---
5701.533333	102.05	---	---	150.0	V	197.0	6.53	---
5735.400000	56.76	68.20	11.44	150.0	V	221.0	6.57	---

802.11ax20_5745



Critical Freqs

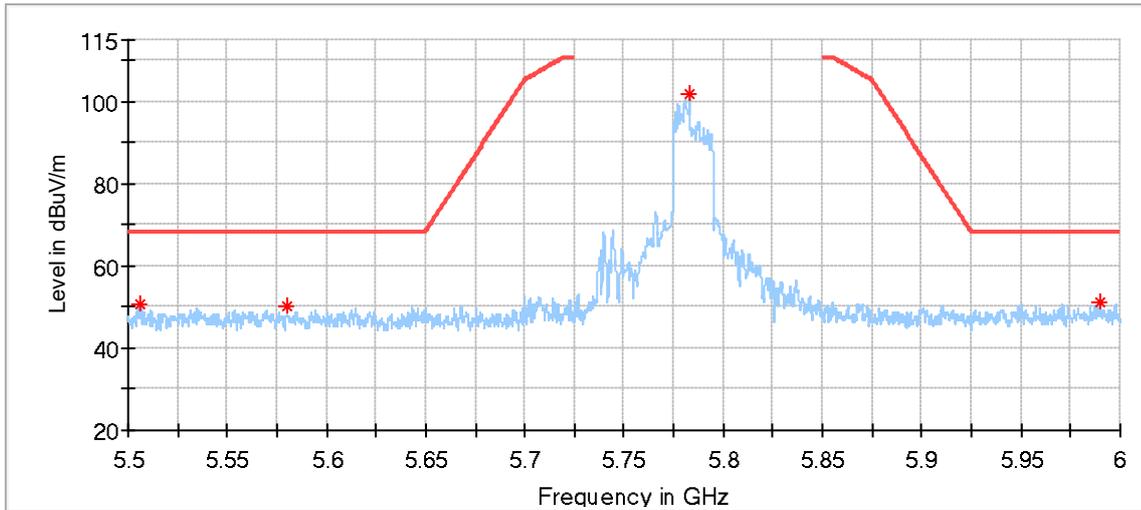
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5536.416667	50.83	68.20	17.37	150.0	H	210.0	7.15
5601.791667	51.27	68.20	16.93	150.0	H	160.0	6.16
5746.583333	101.06	---	---	150.0	H	32.0	6.58
5943.875000	49.91	68.20	18.29	150.0	H	274.0	7.15



Critical Freqs

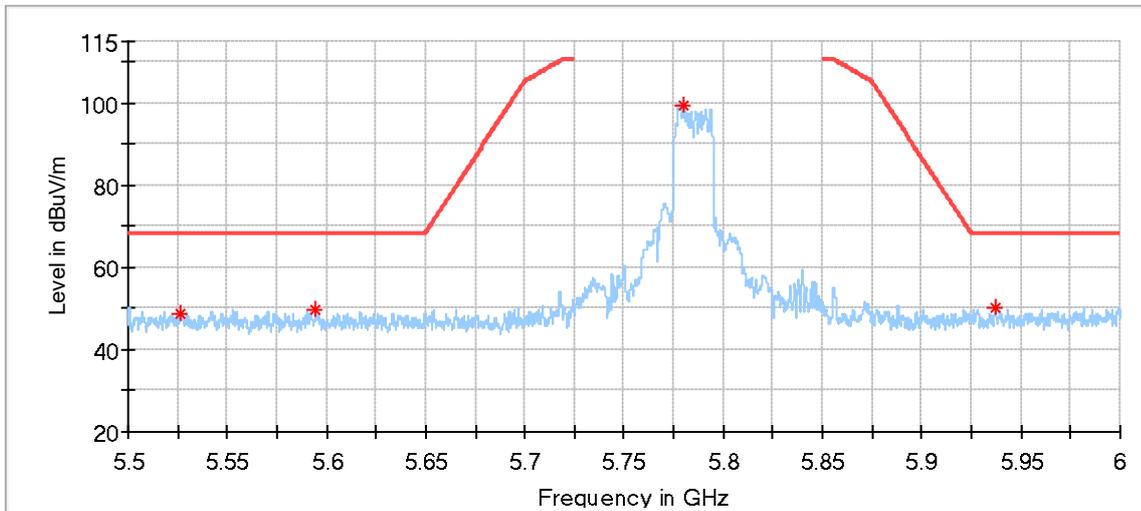
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5575.083333	49.89	68.20	18.31	150.0	V	29.0	6.43
5613.041667	49.67	68.20	18.53	150.0	V	153.0	6.22
5745.416667	100.32	---	---	150.0	V	357.0	6.58
5926.250000	50.95	68.20	17.25	150.0	V	354.0	7.09

802.11ax20_5785



Critical Freqs

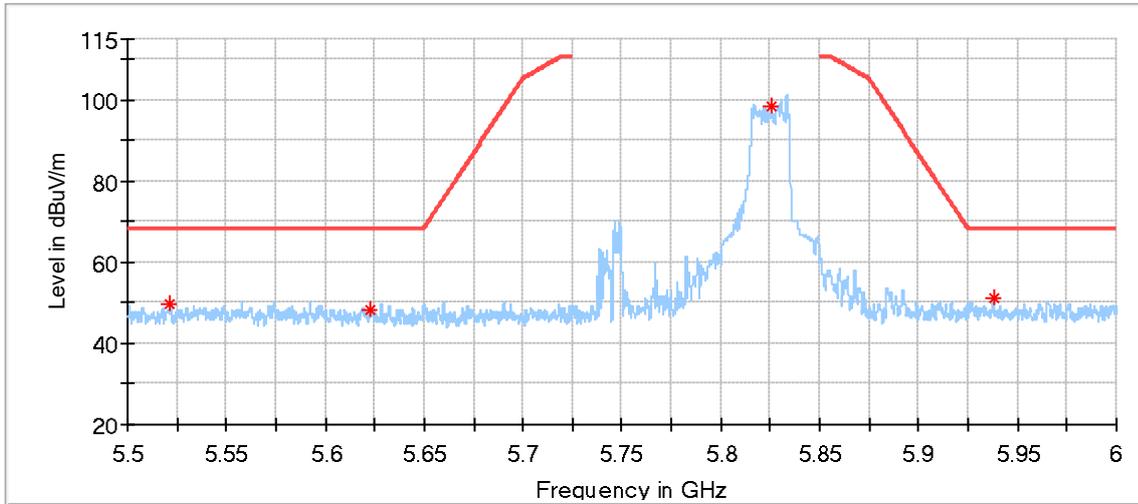
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5506.333333	50.59	68.20	17.61	150.0	H	249.0	6.70
5580.166667	50.18	68.20	18.02	150.0	H	67.0	6.34
5783.166667	102.00	---	---	150.0	H	159.0	6.56
5989.416667	50.94	68.20	17.26	150.0	H	127.0	7.69



Critical Freqs

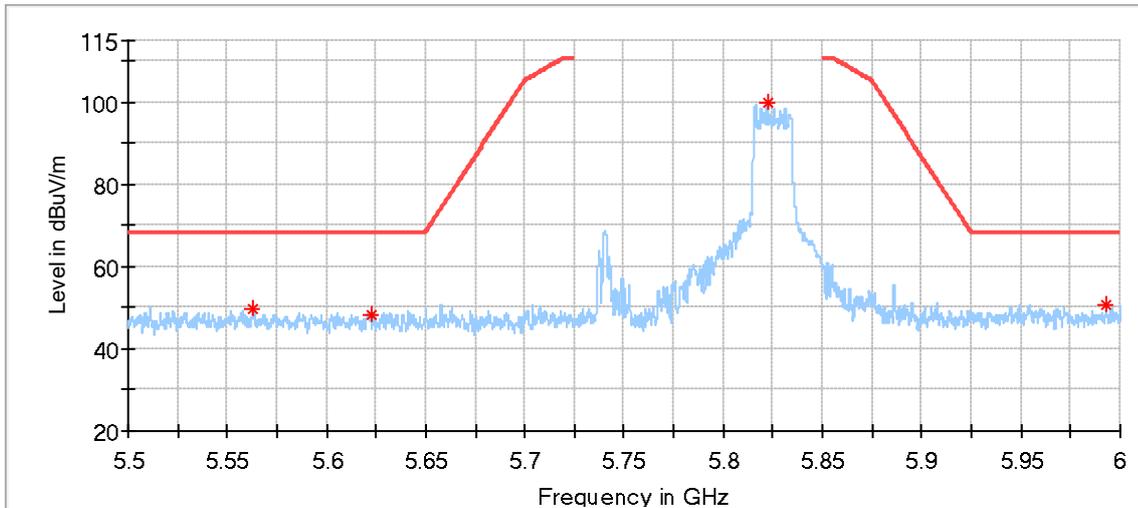
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5526.250000	48.95	68.20	19.25	150.0	V	69.0	7.00
5594.375000	49.65	68.20	18.55	150.0	V	342.0	6.12
5780.333333	99.60	---	---	150.0	V	250.0	6.57
5937.000000	50.39	68.20	17.81	150.0	V	356.0	7.09

802.11ax20_5825



Critical_Freqs

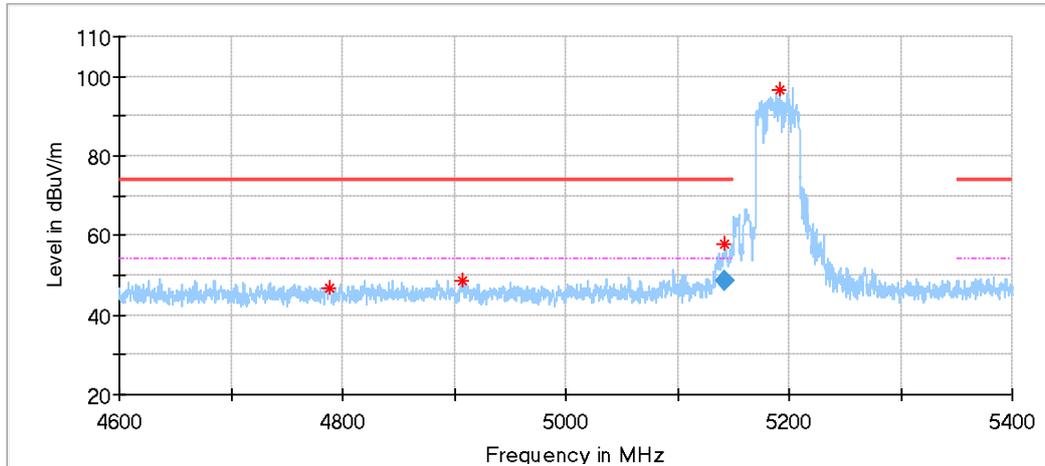
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5521.333333	49.62	68.20	18.58	150.0	H	255.0	6.92
5622.708333	48.21	68.20	19.99	150.0	H	310.0	6.27
5825.541667	98.59	---	---	150.0	H	0.0	6.65
5937.666667	51.01	68.20	17.19	150.0	H	105.0	7.09



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5562.791667	49.61	68.20	18.59	150.0	V	359.0	6.66
5622.375000	48.46	68.20	19.74	150.0	V	173.0	6.27
5822.208333	99.85	---	---	150.0	V	157.0	6.61
5992.791667	50.65	68.20	17.55	150.0	V	333.0	7.73

802.11ax40_5190

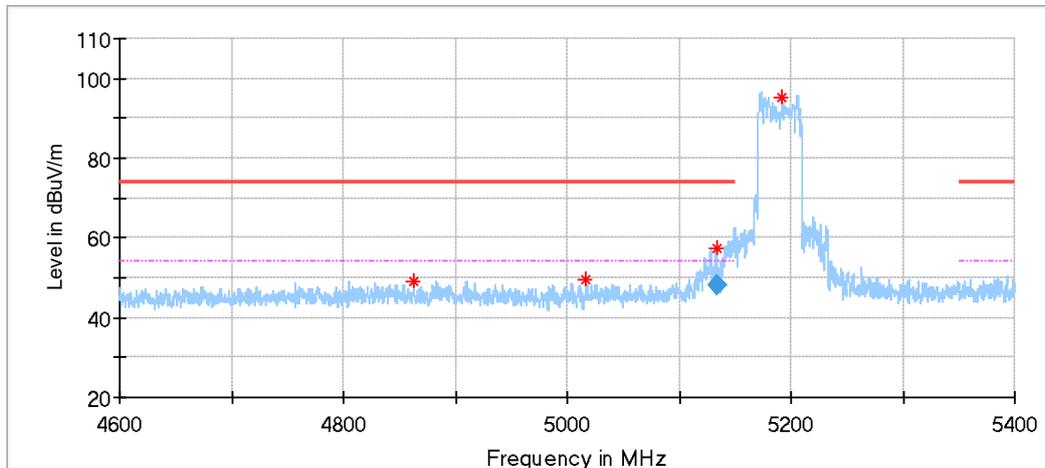


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4788.000000	46.88	74.00	27.12	150.0	H	104.0	4.82
4906.666667	48.39	74.00	25.61	150.0	H	225.0	5.29
5142.000000	57.73	74.00	16.27	150.0	H	159.0	5.68
5191.333333	96.47	---	---	150.0	H	231.0	5.67

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5142.000000	48.65	54.00	5.35	150.0	H	159.0	5.68



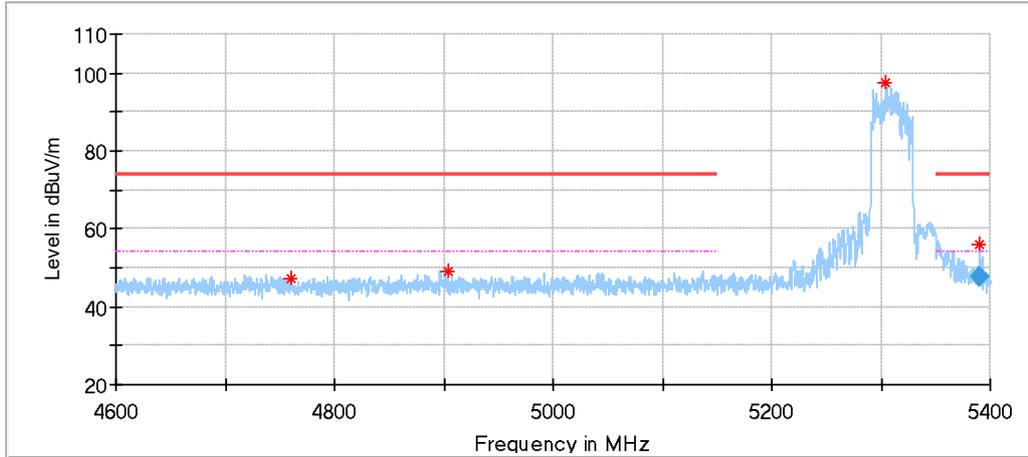
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4862.533333	49.23	74.00	24.77	150.0	V	271.0	4.91
5016.666667	49.74	74.00	24.26	150.0	V	4.0	4.97
5133.200000	57.28	74.00	16.72	150.0	V	355.0	5.64
5192.466667	95.12	---	---	150.0	V	288.0	5.66

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5133.200000	48.10	54.00	5.90	150.0	V	355.0	5.64

802.11ax40_5310

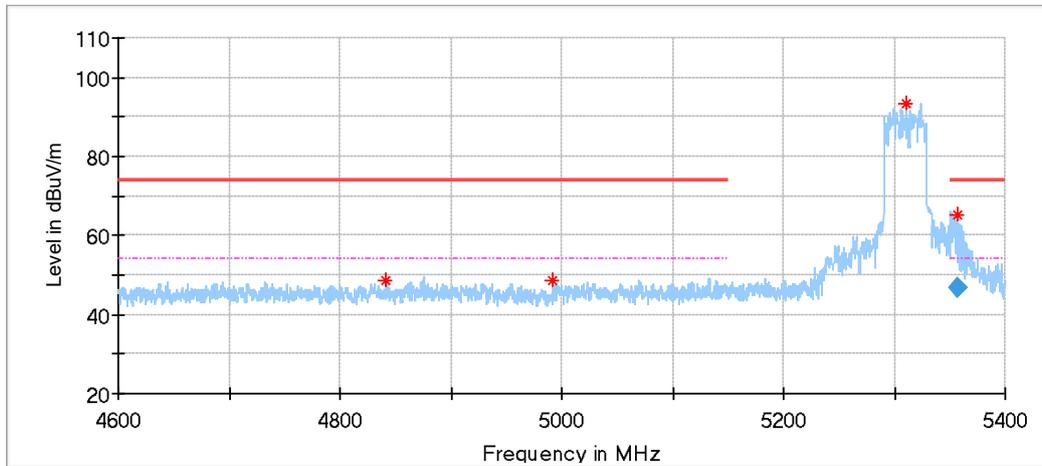


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4760.600000	47.22	74.00	26.78	150.0	H	0.0	4.75
4903.866667	49.01	74.00	24.99	150.0	H	124.0	5.27
5304.933333	97.60	---	---	150.0	H	0.0	5.94
5390.533333	55.79	74.00	18.21	150.0	H	113.0	6.39

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5390.533333	47.78	54.00	6.22	150.0	H	113.0	6.39



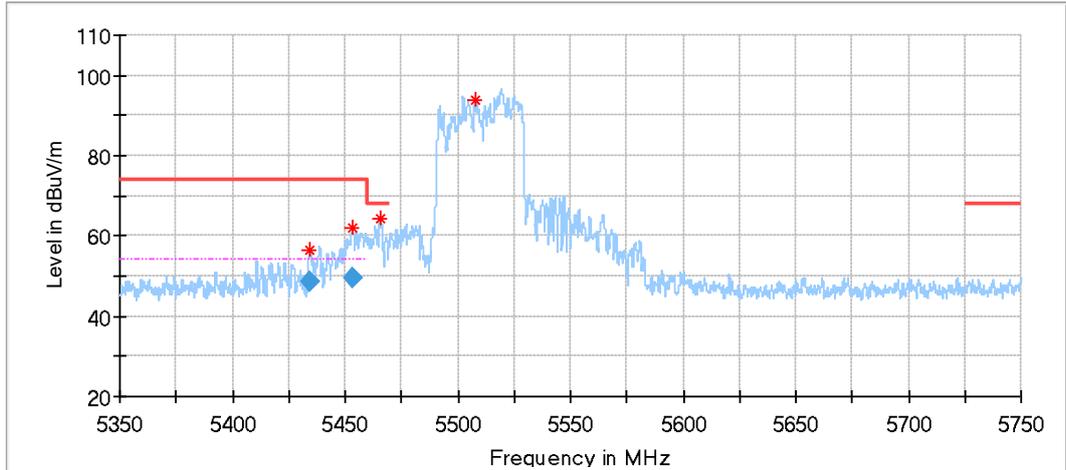
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4842.066667	48.75	74.00	25.25	150.0	V	208.0	4.92
4992.200000	48.47	74.00	25.53	150.0	V	158.0	4.92
5310.800000	93.33	---	---	150.0	V	230.0	5.93
5356.466667	65.02	74.00	8.98	150.0	V	175.0	6.21

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5356.466667	46.66	54.00	7.34	150.0	V	175.0	6.21

802.11ax40_5510

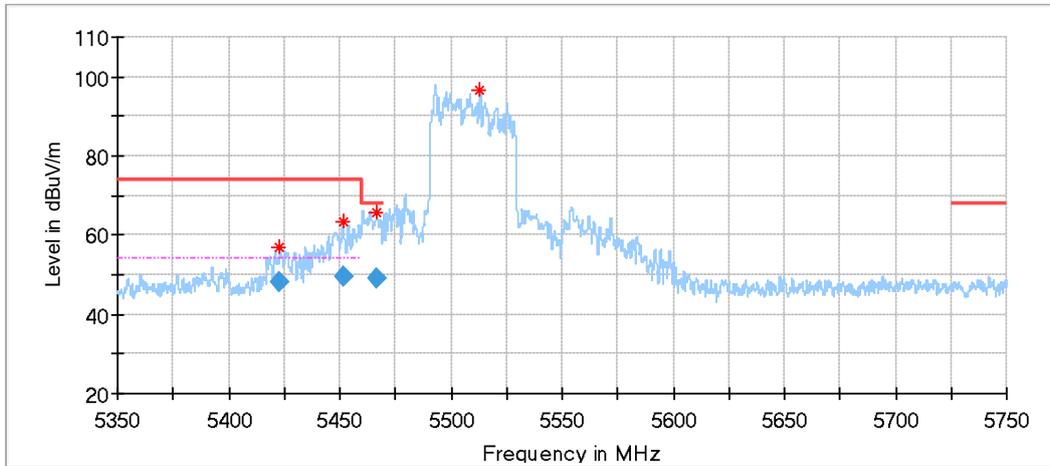


Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5434.233333	56.48	74.00	17.52	150.0	H	347.0	6.34
5453.133333	61.82	74.00	12.18	150.0	H	117.0	6.32
5465.300000	64.27	68.20	3.93	150.0	H	241.0	6.31
5507.700000	93.84	---	---	150.0	H	0.0	6.72

Final Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5434.233333	48.80	54.00	5.20	150.0	H	347.0	6.34
5453.133333	49.70	54.00	4.30	150.0	H	117.0	6.32



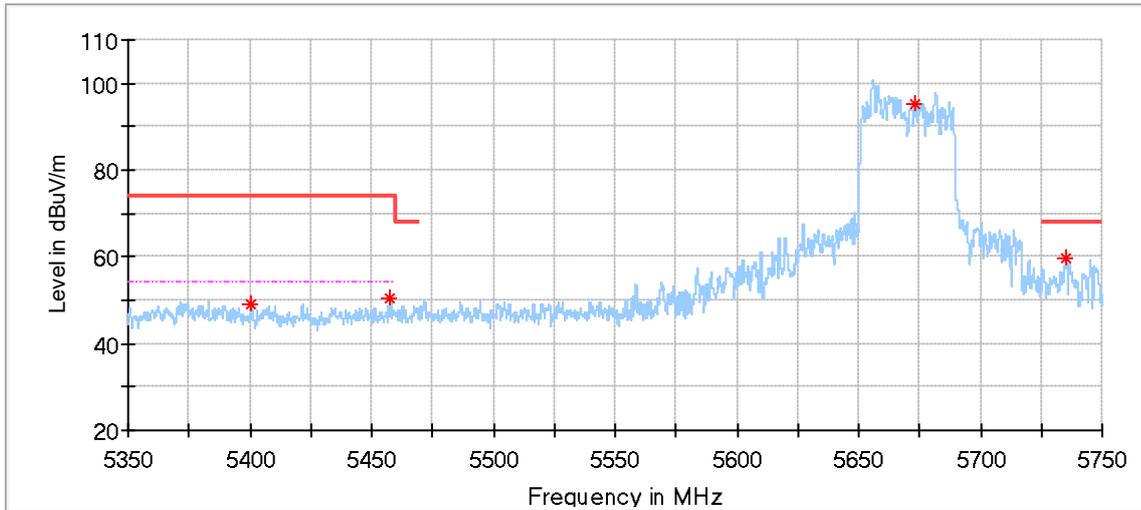
Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5423.066667	56.74	74.00	17.26	150.0	V	356.0	6.35
5451.266667	63.56	74.00	10.44	150.0	V	158.0	6.32
5466.600000	65.79	68.20	2.41	150.0	V	163.0	6.31
5512.966667	96.41	---	---	150.0	V	211.0	6.80

Final Result

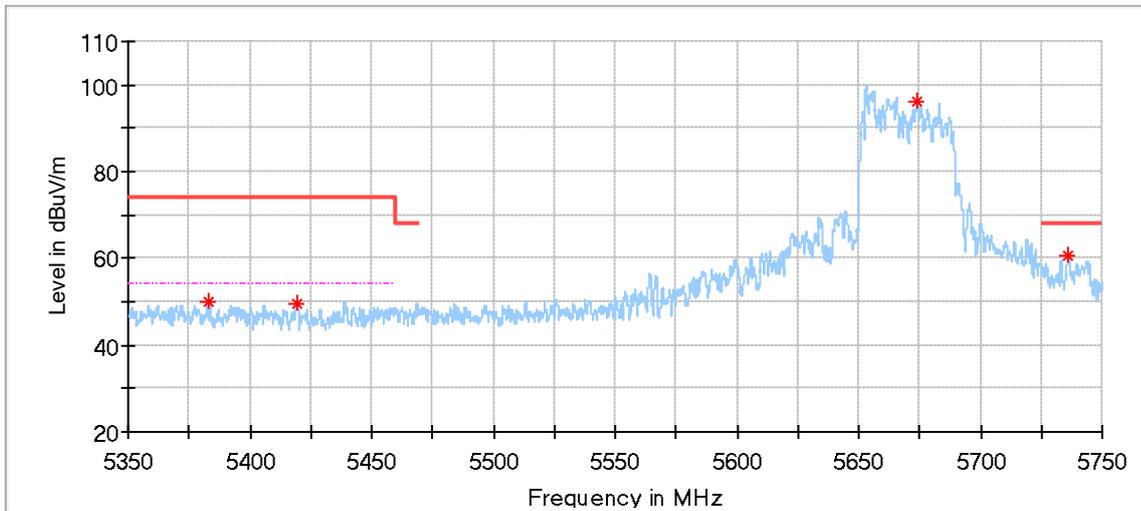
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5423.066667	48.20	54.00	5.80	150.0	V	356.0	6.35
5451.266667	49.70	54.00	4.30	150.0	V	158.0	6.32
5466.600000	48.90	---	---	150.0	V	163.0	6.31

802.11ax40_5670



Critical Freqs

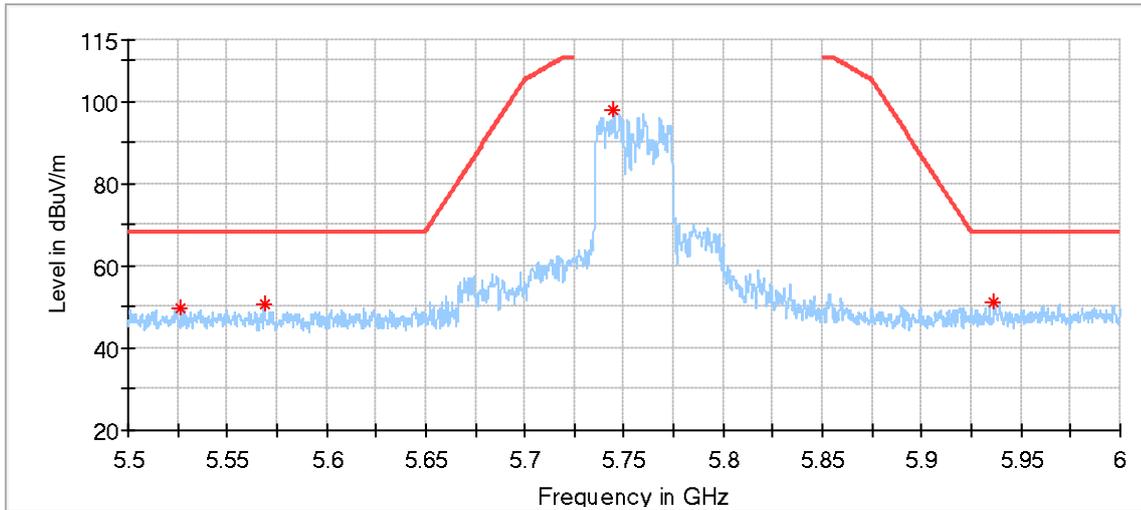
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5400.800000	49.22	74.00	24.78	150.0	H	140.0	6.39
5457.700000	50.25	74.00	23.75	150.0	H	301.0	6.32
5673.266667	95.41	---	---	150.0	H	356.0	6.47
5735.300000	59.76	68.20	8.44	150.0	H	186.0	6.57



Critical Freqs

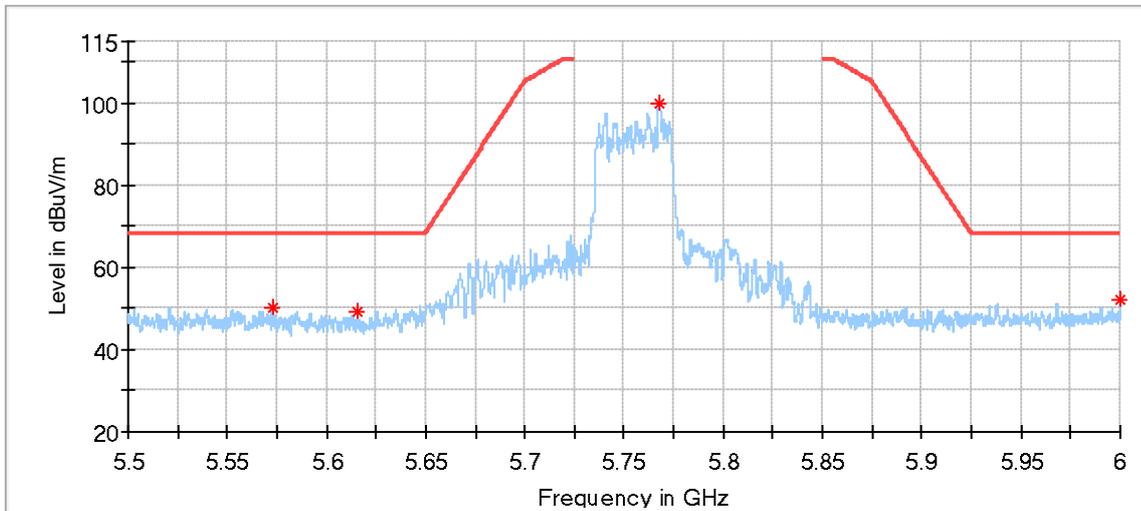
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5383.366667	49.93	74.00	24.07	150.0	V	221.0	6.38
5419.700000	49.63	74.00	24.37	150.0	V	4.0	6.36
5674.266667	96.29	---	---	150.0	V	155.0	6.47
5736.066667	60.46	68.20	7.74	150.0	V	327.0	6.57

802.11ax40_5755



Critical Freqs

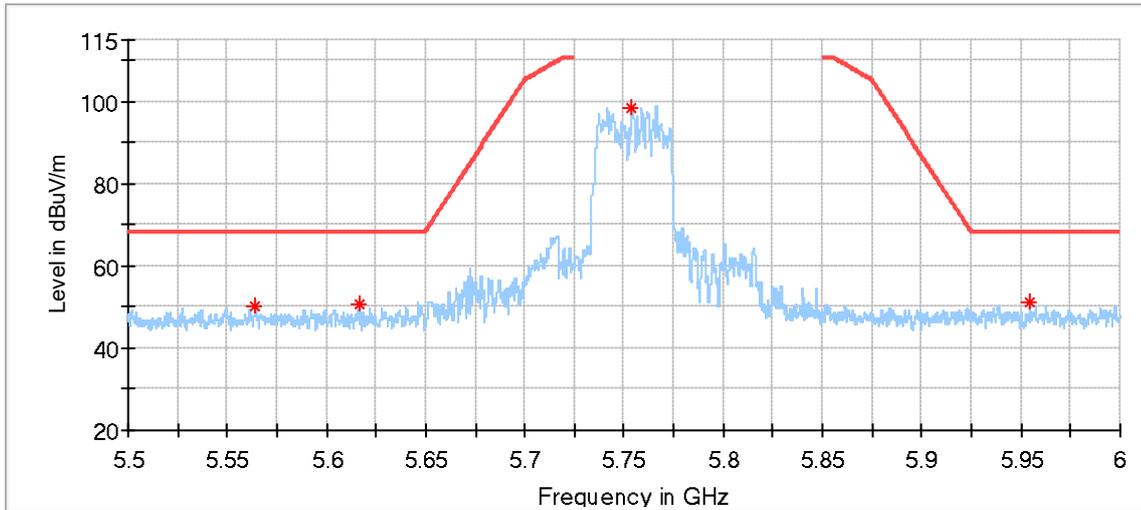
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5526.750000	49.86	68.20	18.34	150.0	H	0.0	7.01
5568.791667	50.85	68.20	17.35	150.0	H	288.0	6.55
5744.500000	98.08	---	---	150.0	H	215.0	6.58
5936.583333	51.09	68.20	17.11	150.0	H	279.0	7.08



Critical Freqs

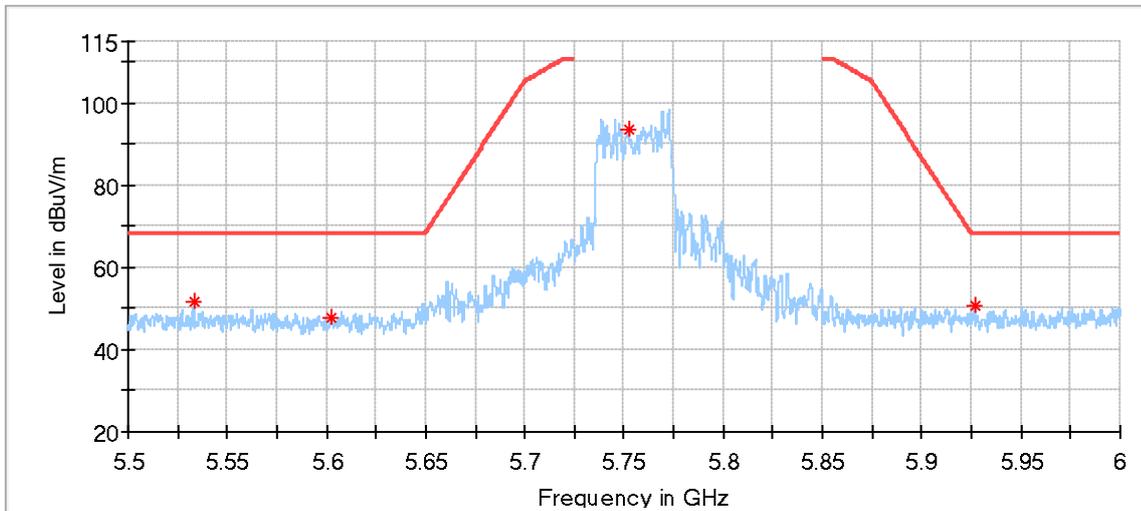
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5572.666667	50.09	68.20	18.11	150.0	V	319.0	6.47
5615.500000	49.42	68.20	18.78	150.0	V	136.0	6.23
5767.791667	100.03	---	---	150.0	V	158.0	6.58
6000.000000	52.20	68.20	16.00	150.0	V	280.0	7.76

802.11ax40_5795



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5563.958333	50.08	68.20	18.12	150.0	H	0.0	6.63
5616.375000	50.85	68.20	17.35	150.0	H	229.0	6.24
5754.000000	98.34	---	---	150.0	H	207.0	6.59
5954.541667	50.98	68.20	17.22	150.0	H	238.0	7.27



Critical Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5533.250000	51.55	68.20	16.65	150.0	V	96.0	7.10
5602.750000	47.94	68.20	20.26	150.0	V	291.0	6.17
5752.291667	93.78	---	---	150.0	V	135.0	6.58
5926.750000	50.57	68.20	17.63	150.0	V	107.0	7.09

Remark:

- (1) Level= Reading Level + Correction Factor
- (2) Above 1GHz: Corrector factor = Antenna Factor + Cable Loss- Amplifier Gain
Below 1GHz: Corrector factor = Antenna Factor + Cable Loss
(The Reading Level is recorded by software which is not shown in the sheet)
- (3) According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

8.7 Frequencies Stability

Test Method

1. The EUT was placed on 0.8m height table, the RF output of EUT was connected to the test receiver by RF cable. The path loss was compensated to the results for each measurement. The EUT was placed inside the environmental test chamber.
2. Set center frequency of the channel under test.
3. Test the OBW and record the frequency of the left and right frequency point.
4. Repeat the test at temperature specified by manufacture as below by not more than 10 °C step by normal voltage.
5. Repeat the test at 85% and 115% of the nominal supply voltage as below under normal temperature (+15 °C to +35 °C).

User manual temperature is 15°C to +35°C, normal Temperature is +25°C.

Limit:

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

Test Results (All conditions and all modes were performed, only list Worst-Case in the report)

Remark: NV is normal Voltage: 120Vdc, HV is High Voltage: 138Vdc, LV is Low Voltage: 102Vdc, NT is normal Temperature: +25°C.



Mode	TX Type	Frequency (MHz)	RU	RU Pos	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11ax (HEW20)	SISO	5180	RU242	Left	25	102	5179.940	5150 to 5250	Pass
						120	5179.940	5150 to 5250	Pass
						138	5179.960	5150 to 5250	Pass
					15	120	5179.960	5150 to 5250	Pass
						20	5179.960	5150 to 5250	Pass
						25	5180.020	5150 to 5250	Pass
						30	5179.960	5150 to 5250	Pass
		35	5180.060	5150 to 5250	Pass				
		5200	RU242	Left	25	102	5199.960	5150 to 5250	Pass
						120	5200.020	5150 to 5250	Pass
						138	5200.000	5150 to 5250	Pass
					15	120	5199.980	5150 to 5250	Pass
						20	5199.960	5150 to 5250	Pass
						25	5199.940	5150 to 5250	Pass
						30	5200.040	5150 to 5250	Pass
		35	5199.960	5150 to 5250	Pass				
		5240	RU242	Left	25	102	5240.020	5150 to 5250	Pass
						120	5239.960	5150 to 5250	Pass
						138	5239.960	5150 to 5250	Pass
					15	120	5239.960	5150 to 5250	Pass
						20	5239.960	5150 to 5250	Pass
						25	5240.020	5150 to 5250	Pass
						30	5239.960	5150 to 5250	Pass
		35	5239.980	5150 to 5250	Pass				
		5260	RU242	Left	25	102	5259.920	5250 to 5350	Pass
						120	5259.980	5250 to 5350	Pass
						138	5260.000	5250 to 5350	Pass
					15	120	5259.940	5250 to 5350	Pass
						20	5259.980	5250 to 5350	Pass
						25	5260.000	5250 to 5350	Pass
						30	5260.020	5250 to 5350	Pass
		35	5259.940	5250 to 5350	Pass				
		5300	RU242	Left	25	102	5299.980	5250 to 5350	Pass
						120	5299.960	5250 to 5350	Pass
						138	5299.980	5250 to 5350	Pass
					15	120	5299.980	5250 to 5350	Pass
						20	5300.000	5250 to 5350	Pass
						25	5300.000	5250 to 5350	Pass
						30	5300.020	5250 to 5350	Pass
		35	5299.920	5250 to 5350	Pass				
		5320	RU242	Left	25	102	5319.960	5250 to 5350	Pass
						120	5319.960	5250 to 5350	Pass
						138	5319.960	5250 to 5350	Pass
					15	120	5319.880	5250 to 5350	Pass
						20	5319.940	5250 to 5350	Pass
						25	5319.980	5250 to 5350	Pass
						30	5319.940	5250 to 5350	Pass
		35	5320.000	5250 to 5350	Pass				
		5500	RU242	Left	25	102	5499.960	5470 to 5725	Pass
						120	5499.960	5470 to 5725	Pass
						138	5499.940	5470 to 5725	Pass
					15	120	5499.980	5470 to 5725	Pass
						20	5499.940	5470 to 5725	Pass
						25	5499.920	5470 to 5725	Pass
						30	5500.000	5470 to 5725	Pass
		35	5499.940	5470 to 5725	Pass				
		5580	RU242	Left	25	102	5579.920	5470 to 5725	Pass
						120	5579.900	5470 to 5725	Pass
						138	5579.980	5470 to 5725	Pass
					15	5579.920	5470 to 5725	Pass	
20	5579.940	5470 to 5725	Pass						



		5700	RU242	Left	25	120	5579.960	5470 to 5725	Pass		
					30	120	5579.980	5470 to 5725	Pass		
					35	120	5579.960	5470 to 5725	Pass		
					25	102	5699.940	5470 to 5725	Pass		
						120	5700.000	5470 to 5725	Pass		
						138	5700.020	5470 to 5725	Pass		
					15	120	5699.960	5470 to 5725	Pass		
					20	120	5699.940	5470 to 5725	Pass		
					25	120	5699.940	5470 to 5725	Pass		
		30	120	5699.940	5470 to 5725	Pass					
		35	120	5699.980	5470 to 5725	Pass					
		5745	RU242	Left	25	102	5744.920	5725 to 5850	Pass		
						120	5744.880	5725 to 5850	Pass		
						138	5744.940	5725 to 5850	Pass		
					15	120	5744.940	5725 to 5850	Pass		
					20	120	5744.920	5725 to 5850	Pass		
					25	120	5744.960	5725 to 5850	Pass		
					30	120	5744.960	5725 to 5850	Pass		
					35	120	5744.960	5725 to 5850	Pass		
					5785	RU242	Left	25	102	5784.980	5725 to 5850
		120	5784.960	5725 to 5850					Pass		
		138	5784.960	5725 to 5850					Pass		
		15	120	5784.980				5725 to 5850	Pass		
		20	120	5785.020				5725 to 5850	Pass		
		25	120	5784.980				5725 to 5850	Pass		
		30	120	5784.920				5725 to 5850	Pass		
		35	120	5784.980				5725 to 5850	Pass		
		5825	RU242	Left				25	102	5824.960	5725 to 5850
					120	5824.940	5725 to 5850		Pass		
					138	5825.000	5725 to 5850		Pass		
					15	120	5825.000	5725 to 5850	Pass		
					20	120	5825.020	5725 to 5850	Pass		
					25	120	5825.000	5725 to 5850	Pass		
					30	120	5825.020	5725 to 5850	Pass		
					35	120	5824.980	5725 to 5850	Pass		
					5720	RU242	Left	25	102	5719.920	5470 to 5850
		120	5719.980	5470 to 5850					Pass		
		138	5719.920	5470 to 5850					Pass		
		15	120	5719.980				5470 to 5850	Pass		
		20	120	5719.980				5470 to 5850	Pass		
		25	120	5719.960				5470 to 5850	Pass		
		30	120	5719.980				5470 to 5850	Pass		
		35	120	5719.960				5470 to 5850	Pass		
		802.11ax (HEW40)	SISO	5190				RU484	Left	25	102
					120	5189.960	5150 to 5250				Pass
					138	5190.040	5150 to 5250				Pass
					15	120	5189.960			5150 to 5250	Pass
					20	120	5189.960			5150 to 5250	Pass
					25	120	5189.960			5150 to 5250	Pass
					30	120	5190.000			5150 to 5250	Pass
					35	120	5190.040			5150 to 5250	Pass
					5230	RU484	Left			25	102
				120				5230.000	5150 to 5250		Pass
				138				5230.040	5150 to 5250		Pass
				15				120	5230.000	5150 to 5250	Pass
				20				120	5230.000	5150 to 5250	Pass
				25				120	5230.000	5150 to 5250	Pass
				30				120	5230.040	5150 to 5250	Pass
				35				120	5230.040	5150 to 5250	Pass
				5270				RU484	Left	25	102
120	5270.000				5250 to 5350	Pass					
138	5270.040				5250 to 5350	Pass					
15	120				5270.000	5250 to 5350	Pass				
20	120				5270.040	5250 to 5350	Pass				
25	120				5270.040	5250 to 5350	Pass				



				25	120	5269.960	5250 to 5350	Pass			
				30	120	5270.000	5250 to 5350	Pass			
				35	120	5270.040	5250 to 5350	Pass			
		5310	RU484	Left	25	102	5310.000	5250 to 5350	Pass		
								120	5309.960	5250 to 5350	Pass
								138	5310.000	5250 to 5350	Pass
							15	120	5310.000	5250 to 5350	Pass
							20	120	5310.040	5250 to 5350	Pass
							25	120	5310.000	5250 to 5350	Pass
							30	120	5310.040	5250 to 5350	Pass
							35	120	5310.000	5250 to 5350	Pass
		5510	RU484	Left	25	102	5510.000	5470 to 5725	Pass		
								120	5510.000	5470 to 5725	Pass
								138	5509.960	5470 to 5725	Pass
							15	120	5510.000	5470 to 5725	Pass
							20	120	5509.960	5470 to 5725	Pass
							25	120	5510.040	5470 to 5725	Pass
							30	120	5510.000	5470 to 5725	Pass
				35	120	5510.000	5470 to 5725	Pass			
		5550	RU484	Left	25	102	5550.000	5470 to 5725	Pass		
								120	5549.920	5470 to 5725	Pass
								138	5550.000	5470 to 5725	Pass
							15	120	5549.920	5470 to 5725	Pass
							20	120	5550.000	5470 to 5725	Pass
							25	120	5550.040	5470 to 5725	Pass
							30	120	5550.040	5470 to 5725	Pass
				35	120	5550.000	5470 to 5725	Pass			
		5670	RU484	Left	25	102	5669.880	5470 to 5725	Pass		
								120	5669.960	5470 to 5725	Pass
								138	5670.000	5470 to 5725	Pass
							15	120	5669.960	5470 to 5725	Pass
							20	120	5669.960	5470 to 5725	Pass
							25	120	5669.960	5470 to 5725	Pass
							30	120	5669.880	5470 to 5725	Pass
				35	120	5669.960	5470 to 5725	Pass			
		5755	RU484	Left	25	102	5754.920	5725 to 5850	Pass		
								120	5754.920	5725 to 5850	Pass
								138	5755.000	5725 to 5850	Pass
							15	120	5754.960	5725 to 5850	Pass
							20	120	5754.960	5725 to 5850	Pass
							25	120	5754.920	5725 to 5850	Pass
							30	120	5754.960	5725 to 5850	Pass
				35	120	5754.960	5725 to 5850	Pass			
		5795	RU484	Left	25	102	5795.040	5725 to 5850	Pass		
								120	5795.000	5725 to 5850	Pass
								138	5795.000	5725 to 5850	Pass
							15	120	5795.000	5725 to 5850	Pass
							20	120	5794.960	5725 to 5850	Pass
							25	120	5795.000	5725 to 5850	Pass
							30	120	5794.960	5725 to 5850	Pass
				35	120	5794.960	5725 to 5850	Pass			
		5710	RU484	Left	25	102	5710.000	5470 to 5850	Pass		
								120	5710.000	5470 to 5850	Pass
								138	5709.920	5470 to 5850	Pass
							15	120	5710.000	5470 to 5850	Pass
							20	120	5709.960	5470 to 5850	Pass
							25	120	5709.960	5470 to 5850	Pass
							30	120	5709.880	5470 to 5850	Pass
				35	120	5709.960	5470 to 5850	Pass			

8.8 Dynamic Frequency Selection (DFS)

Mode of Operation:

Parameters of EUT	
Frequency	5250-5350MHz 5470-5600MHz 5650-5725MHz
Operational Mode	<input type="checkbox"/> Master <input checked="" type="checkbox"/> Client without Radar Detection <input type="checkbox"/> Client with Radar Detection
Modulation	OFDM
Channel Bandwidth	20MHz, 40MHz

Working Modes and required Test Items

The manufacturer shall whether the EUT is capable of operating as a master and a client. If the EUT is capable of operating in more than one operating mode then each operating mode shall be tested separately.

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
<i>Non-Occupancy Period</i>	Yes	Not required	Yes
<i>DFS Detection Threshold</i>	Yes	Not required	Yes
<i>Channel Availability Check Time</i>	Yes	Not required	Not required
<i>U-NII Detection Bandwidth</i>	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
<i>DFS Detection Threshold</i>	Yes	Not required
<i>Channel Closing Transmission Time</i>	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
<i>U-NII Detection Bandwidth and Statistical Performance Check</i>	All BW modes must be tested	Not required
<i>Channel Move Time and Channel Closing Transmission Time</i>	Test using widest BW mode available	Test using the widest BW mode available for the link
<i>All other tests</i>	Any single BW mode	Not required
Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.		

Requirement:

Per KDB 905462 D02 v02 the following are the requirements for client Devices:

- a) A Client Device will not transmit before having received appropriate control signals from a Master Device.
- b) A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing Transmission Time requirements. The Client Device will not resume any transmissions until it has again received control signals from a Master Device.
- c) If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform and d) through f) of section 5.1.1 apply.
- d) Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.
- e) The client test frequency must be monitored to ensure no transmission of any type has occurred for 30 minutes. Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear.

Table 3: DFS Response Requirement Values

Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
<p>Note 1: <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p>Note 2: The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p>Note 3: During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p>	

DFS Detection Thresholds Values

Table 4 below provides the DFS Detection Thresholds for Master Devices as well as Client Devices incorporating In-Service Monitoring.

Table 4: DFS Detection Thresholds for Master Devices and Client Devices with Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP \geq 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

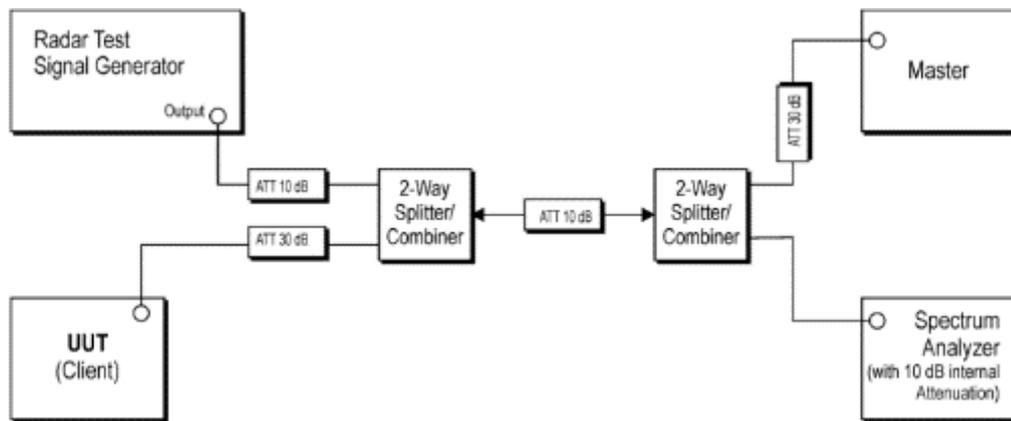
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Test Procedure

The FCC KDB 905462 D02 v02 describes a radiated test setup and a conducted test setup. A conducted test setup was used for this testing. Figure 1 shows the typical test setup. One channel selected between 5260 and 5350 MHz is chosen for the testing.

Figure 1. Test Setup for DFS

Setup for client with injection at the master.



Channel Closing Transmission Time, Channel Move Time and Non-Occupancy Period.

Block Diagram of test setup test procedure.

- (1) The Radar Pulse generator is setup to provide a pulse at frequency that the master and client are operating, A type 0 radar pulse is used for the testing.
- (2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of approximately -62dBm at the antenna of the master device.
- (3) A trigger is provided from the pulse generator to the DFS monitoring system in order to capture the traffic and the occurrence of the radar pulse.
- (4) The Client Device (EUT) is set up per the diagram in Figure 1 and communications between the Master device and the Client is established.
- (5) Iperf software is used to properly load the test channel.
- (6) The real time spectrum analyzer is set to record a 16sec window to any transmissions occurring up to and after 10sec.

- (7) The system is again setup and the monitoring time is shortened in order to capture the Channel Closing Transmission Time. This time is measured to ensure that the Client ceases transmission within 200ms and the aggregate of emissions occurring after 200ms up to 10 sec do not exceed 60ms.
(Note: the channel may be different since the Master and Client have changed channels due to the detection of e initial radar pulse.)
- (8) After the initial radar burst the channel is monitored for 30 minutes to ensure no transmissions or beacons occur. A second monitoring setup is used to verify that the Master and Client have both moved to different channels.

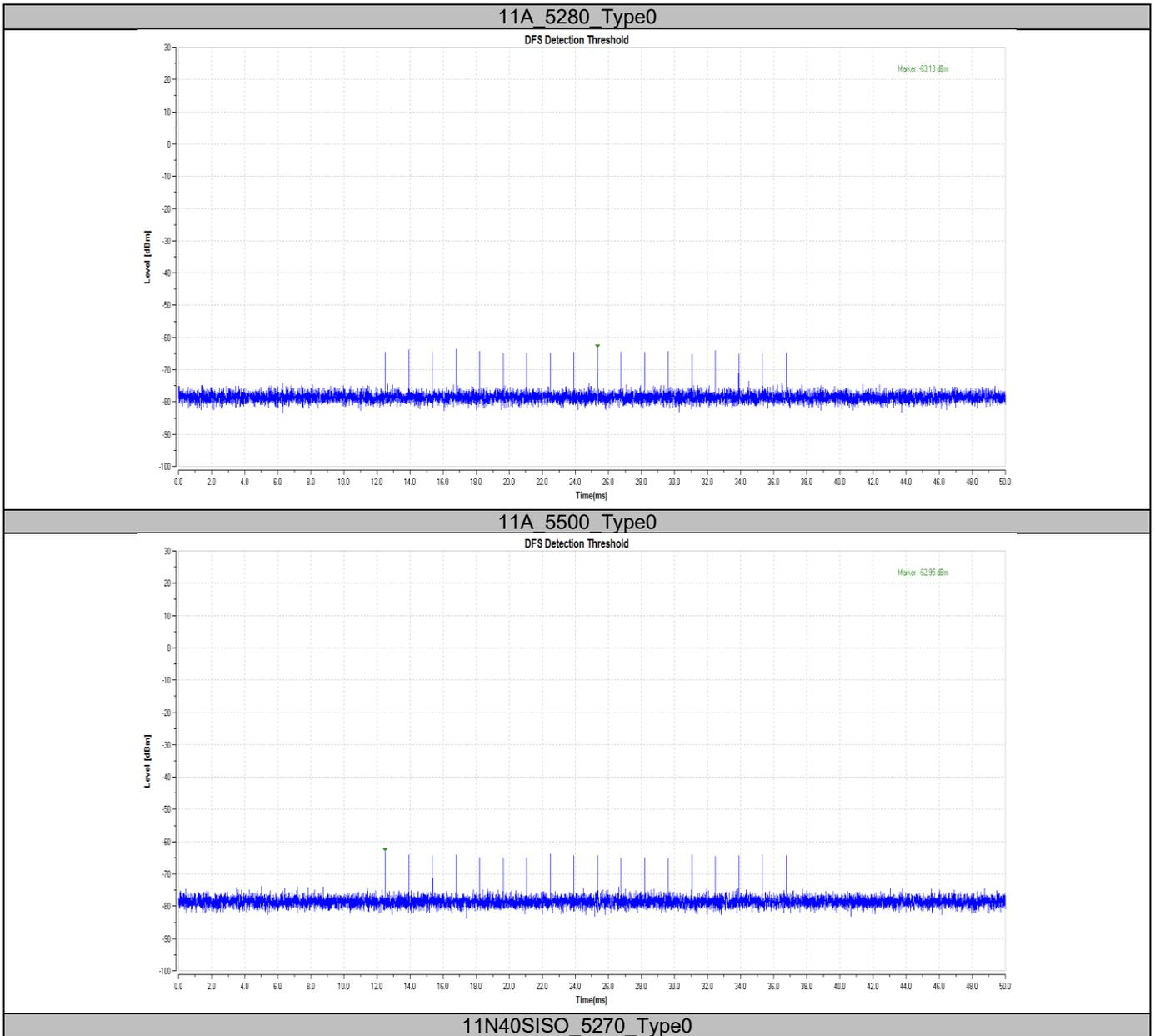
Test Result

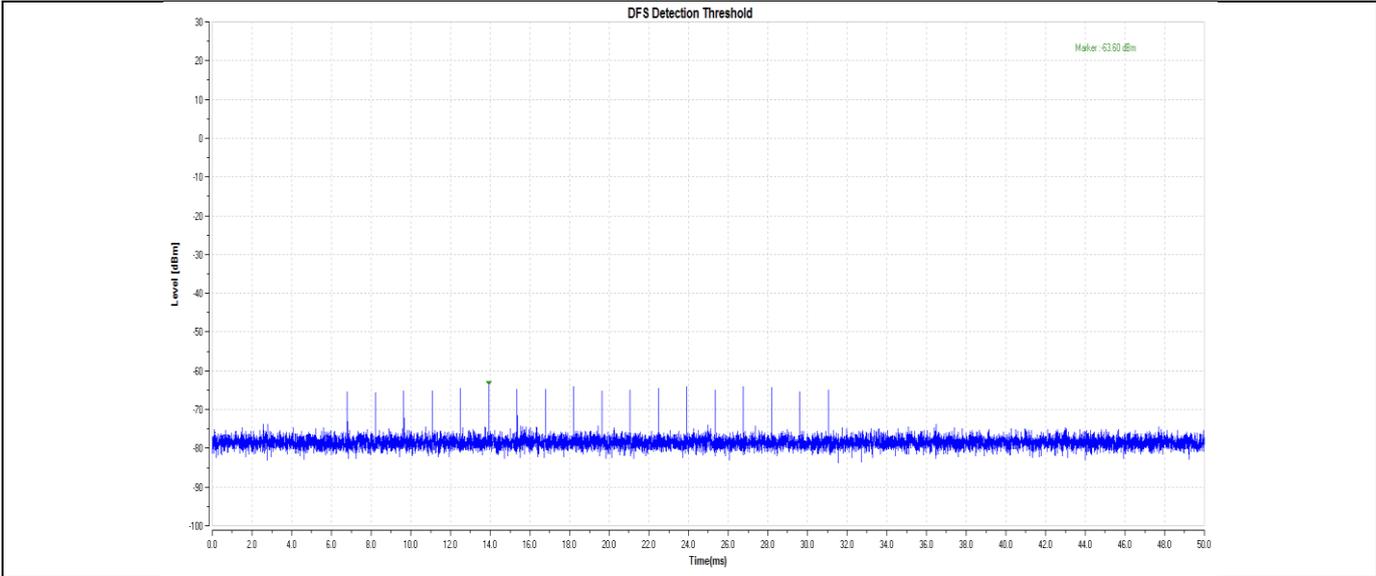
Clause	Test Parameter	Remarks	Pass/Fail
15.407	DFS Detection Threshold	Not Applicable	N/A
15.407	Channel Availability Check time	Not Applicable	N/A
15.407	Channel Move time	Applicable	Pass
15.407	Channel Closing Transmission time	Applicable	Pass
15.407	Non-occupancy Period	Not Applicable	N/A
15.407	Uniform Spreading	Not Applicable	N/A
15.407	UNII Detection Bandwidth	Not Applicable	N/A

TestMode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11A	5280	Type0	-63.13	-61.00	PASS
	5500	Type0	-62.95	-61.00	PASS
11N40SISO	5270	Type0	-63.60	-61.00	PASS
	5510	Type0	-63.38	-61.00	PASS

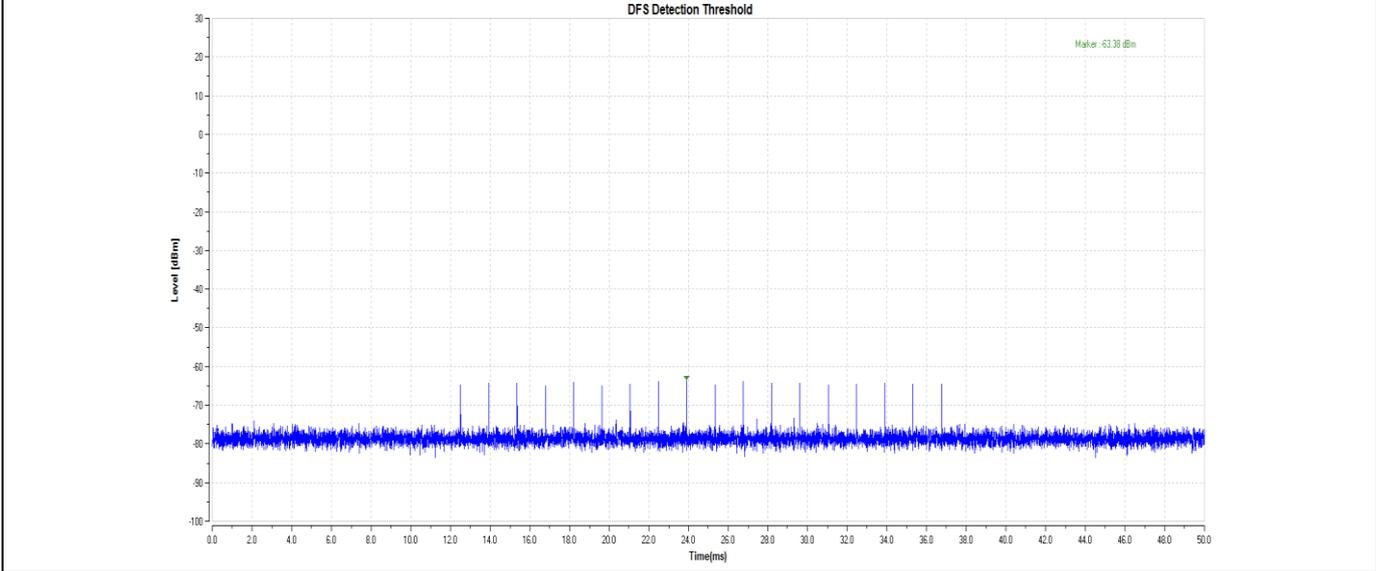
TestMode	Channel	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11A	5280	205.16	260	428.71	10000	PASS
	5500	208.17	260	448.06	10000	PASS
11N40SISO	5270	205.46	260	435.24	10000	PASS
	5510	208.6	260	506.54	10000	PASS

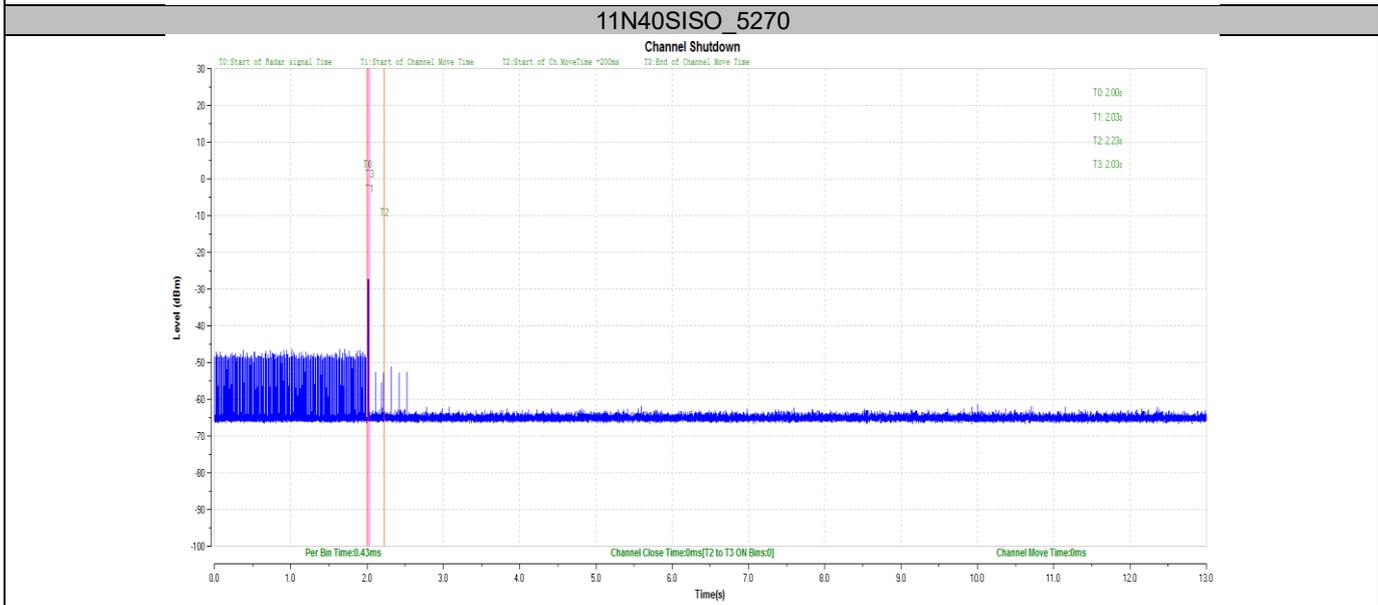
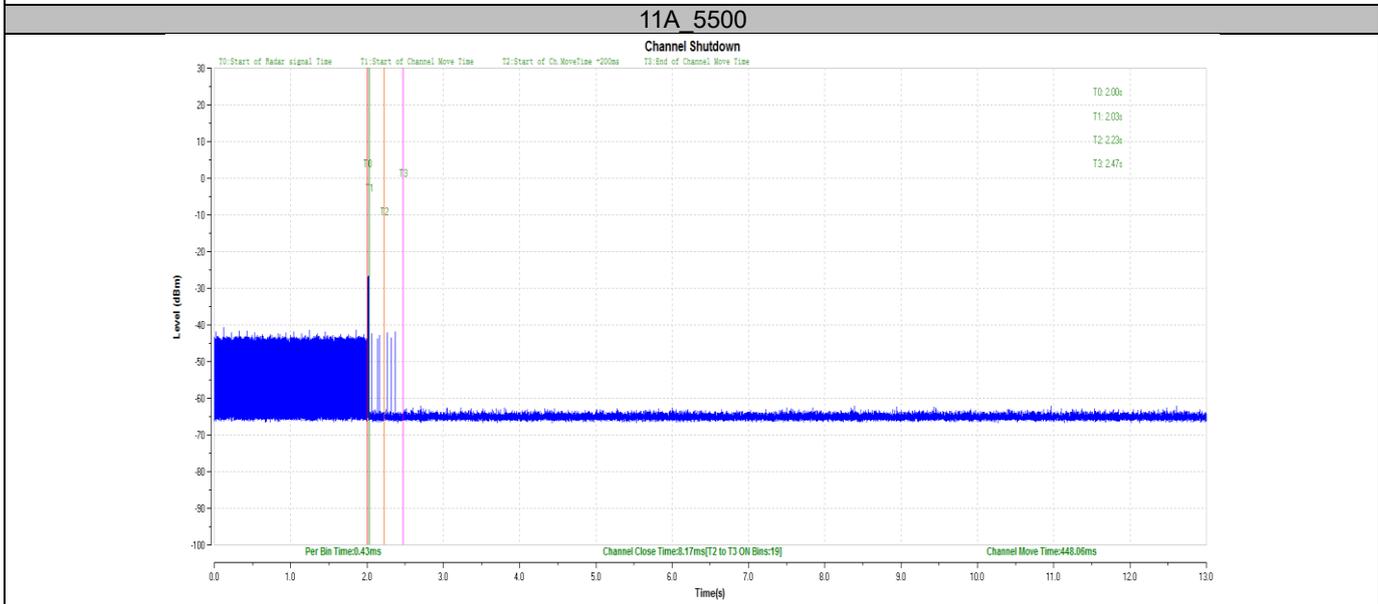
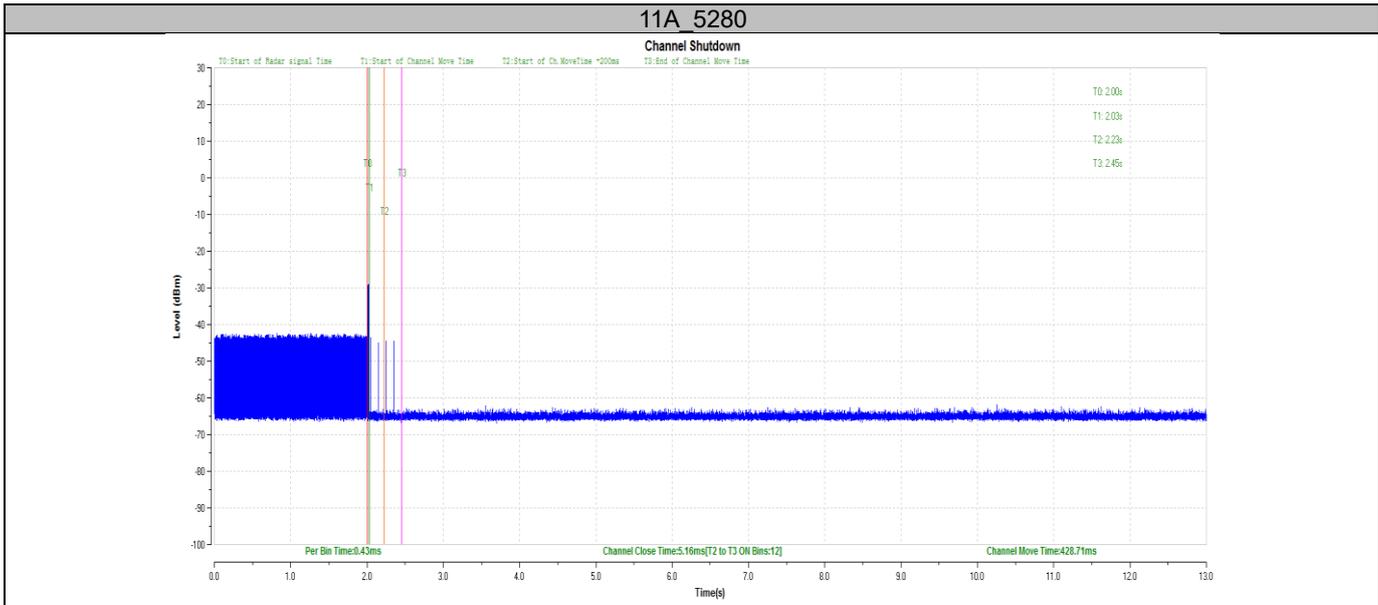
Test Graphs:





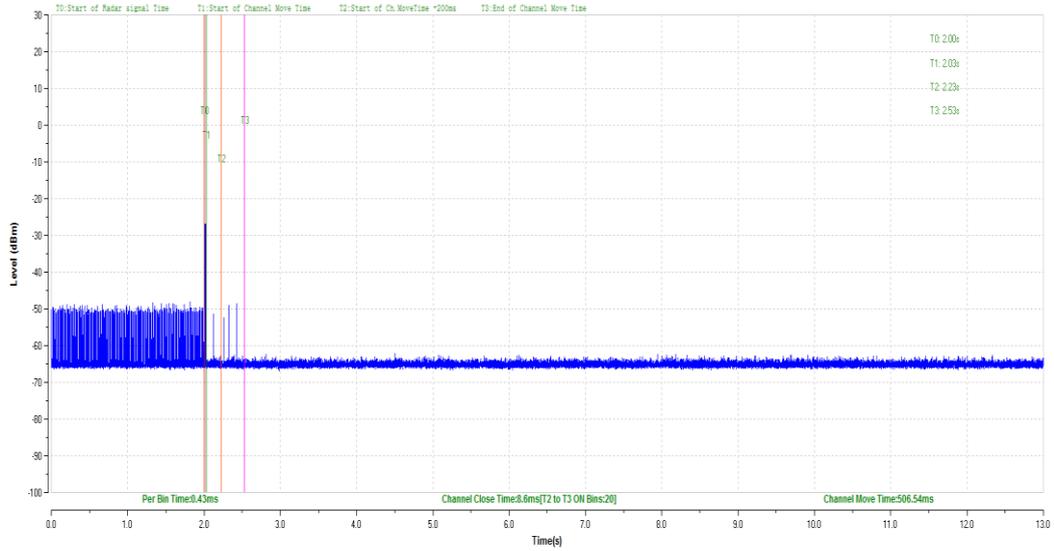
11N40SISO 5510 Type0





11N40SISO 5510

Channel Shutdown



9. Test Equipment List

List of Test Instruments

Conducted Emission 2# Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 3	68-4-74-19-002	102590	1	2025-5-13
LISN	Rohde & Schwarz	ENV216	68-4-87-19-001	102472	1	2025-5-12
High Voltage Probe	Schwarzbeck	TK9420(VT9420)	68-4-27-14-001	9420-584	1	2025-5-12
RF Current Probe	Rohde & Schwarz	EZ-17	68-4-27-14-002	100816	1	2025-5-13
Attenuator	Shanghai Huaxiang	TS2-26-3	68-4-81-16-003	080928189	1	2025-5-11
Cable	OUQIAO	RG142	68-4-90-19-005-A20	----	----	----
Test software	Rohde & Schwarz	EMC32	68-4-90-19-005-A01	Version10.35.02	N/A	N/A
Shielding Room	TDK	CSR #2	68-4-90-19-005	----	3	2025-10-15

Radiated Emission Test 1# Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 7	68-4-74-19-001	102176	1	2025-5-13
Loop Antenna	Rohde & Schwarz	HFH2-Z2	68-4-80-14-006	100398	1	2025-7-02
Pre-amplifier	Rohde & Schwarz	SCU 18	68-4-29-14-001	102230	1	2025-5-11
Attenuator	Mini-circuits	UNAT-6+	68-4-81-21-001	15542	1	2025-5-11
Cable	HUBER-SUHNER	RG214	68-4-90-14-001-A20	----	----	----
Cable	HUBER-SUHNER	RG214	68-4-90-14-001-A21	----	----	----
Cable	JUNFLON	MWX221	68-4-90-14-001-A22	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #1	68-4-90-14-001	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-14-001-A10	Version10.35.02	N/A	N/A

Radiated Emission 2# Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 26	68-4-74-14-002	101269	1	2025-5-13
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9162	68-4-80-19-003	284	1	2026-2-11
Wave Guide Antenna	ETS	3117	68-4-80-19-001	00218954	1	2026-3-10
Pre-amplifier	Rohde & Schwarz	SCU 18F	68-4-29-19-001	100745	1	2025-5-11
Pre-amplifier	Rohde & Schwarz	SCU 18F	68-4-29-19-002	100746	1	2025-5-11
Sideband Horn Antenna	Q-PAR	QWH-SL-18-40-K-SG	68-4-80-14-008	12827	1	2025-7-2
Pre-amplifier	Rohde & Schwarz	SCU 40A	68-4-29-14-002	100432	1	2025-7-17
Attenuator	Mini-circuits	UNAT-6+	68-4-81-21-002	15542	1	2025-5-11
Cable	JUNFLON	MWX221	68-4-90-19-006-A20	----	----	----
Cable	JUNFLON	MWX241	68-4-90-19-006-A21	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #2	68-4-90-19-006	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-19-006-A01	Version10.35.02	N/A	N/A

RF Test System

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-004	101030	1	2025-5-11
RF Switch Module	Rohde & Schwarz	OSP120/OSP-B157W	68-4-93-14-003	101226/100929	1	2025-5-11
Power Splitter	Weinschel	1580	68-4-85-14-001	SC319	1	2025-5-11
RF Meas. and Switch Matrix Unit	TST PASS	TSCB3023R2	68-4-93-23-001	2811685c	1	2025-5-11
Frequency Extender	TST PASS	TSTCMWEXT7	68-4-93-23-001-A01	WEX230017C	1	2025-5-12
Frequency Extender	TST PASS	TSTSGEXT7	68-4-93-23-001-A02	EX2300BA	1	2025-5-12
Cable	JUNFLON	J12J103539	68-4-90-19-003-A20	----	----	----
Test software	TST PASS	System for BT/WIFI	68-4-93-23-001-A03	Version 2.0	N/A	N/A
Shielding Room	TDK	TS8997	68-4-90-19-003	----	3	2025-10-15



10. System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty for Conducted Emission in new shielding room (68-4-90-19-005) 150kHz-30MHz (for test using AMN ENV216)	3.15dB
Uncertainty for Radiated Emission in 3m chamber (68-4-90-14-001) 9kHz-30MHz	4.70dB
Uncertainty for Radiated Emission in 3m chamber (68-4-90-14-001) 30MHz-1000MHz	Horizontal: 4.63dB; Vertical: 4.78dB;
Uncertainty for Radiated Emission in new 3m chamber (68-4-90-19-006) 1000MHz-18000MHz	Horizontal: 5.38dB; Vertical: 5.38dB;
Uncertainty for Radiated Emission in new 3m chamber (68-4-90-19-006) 18GHz-40GHz	Horizontal: 5.29dB; Vertical: 5.29dB;
Uncertainty for Conducted RF test with TS 8997	RF Power Conducted: 1.31dB

Measurement Uncertainty Decision Rule

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.3.3 and 4.3.4

---THE END OF REPORT---