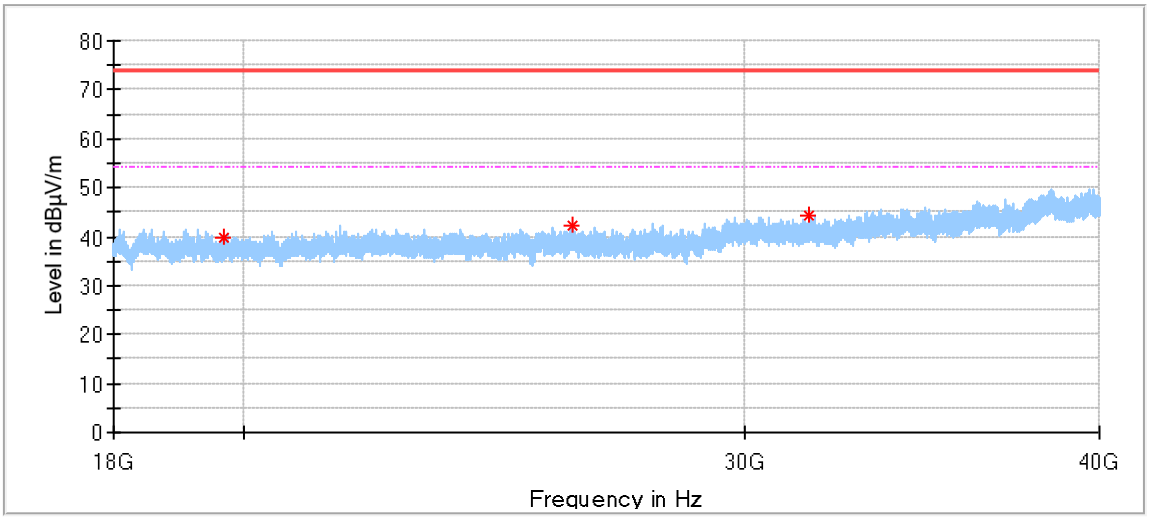
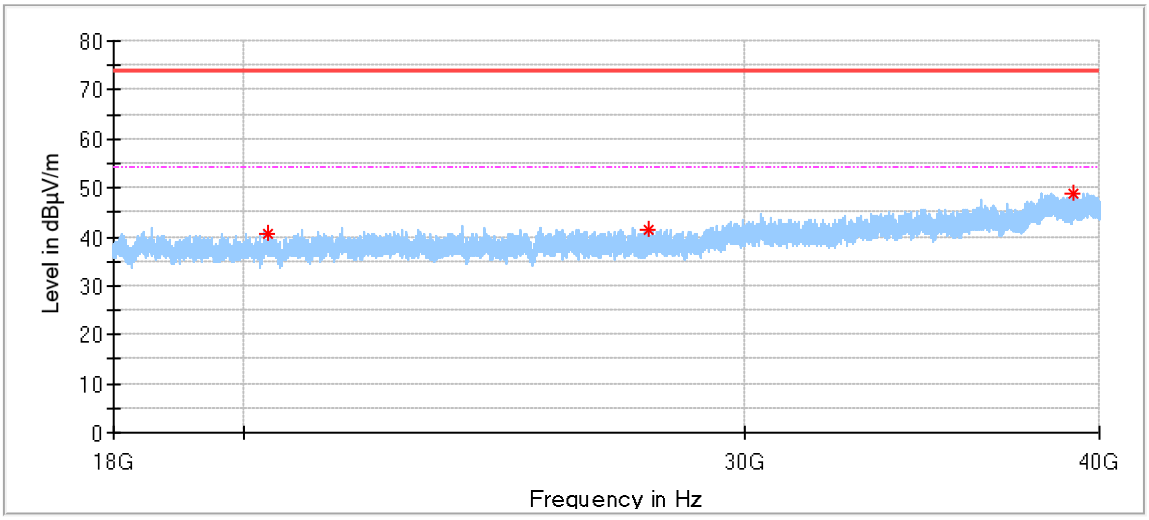
802.11ax20_5745_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19689.187500	39.85	74.00	34.15	150.0	H	0.0	-2.63
26093.250000	42.19	74.00	31.81	150.0	H	261.0	1.55
31604.250000	44.32	74.00	29.68	150.0	H	101.0	1.71



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20407.625000	40.56	74.00	33.44	150.0	V	74.0	-1.56
27745.312500	41.55	74.00	32.45	150.0	V	345.0	1.40
39140.625000	48.90	74.00	25.10	150.0	V	274.0	5.65

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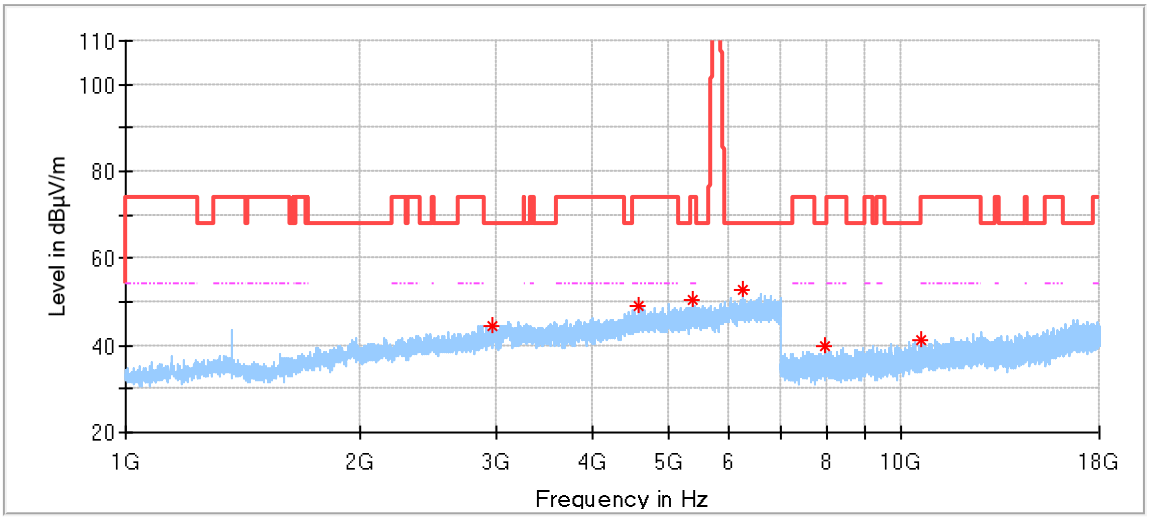
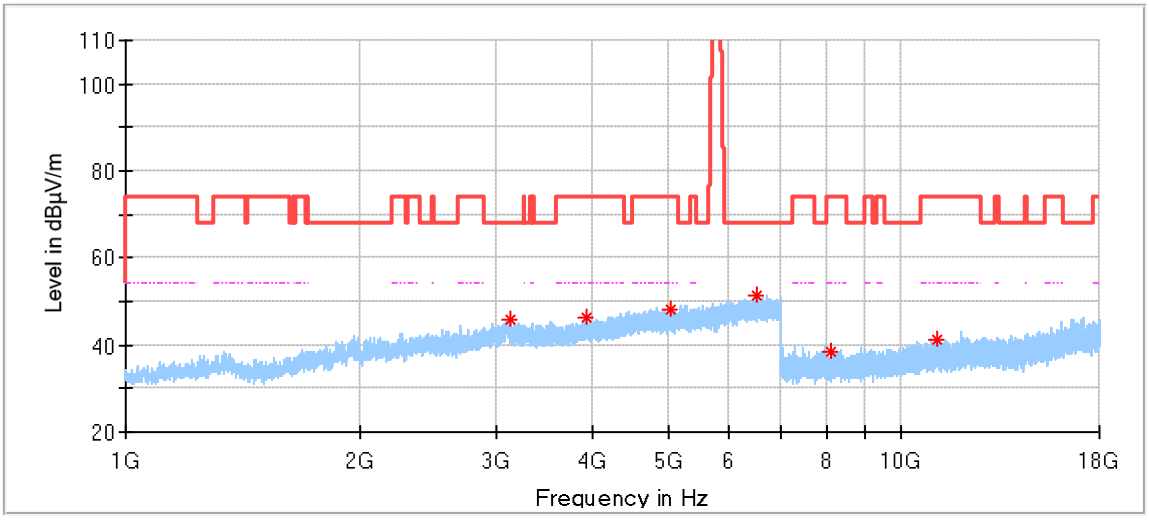
802.11ax20_5785_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

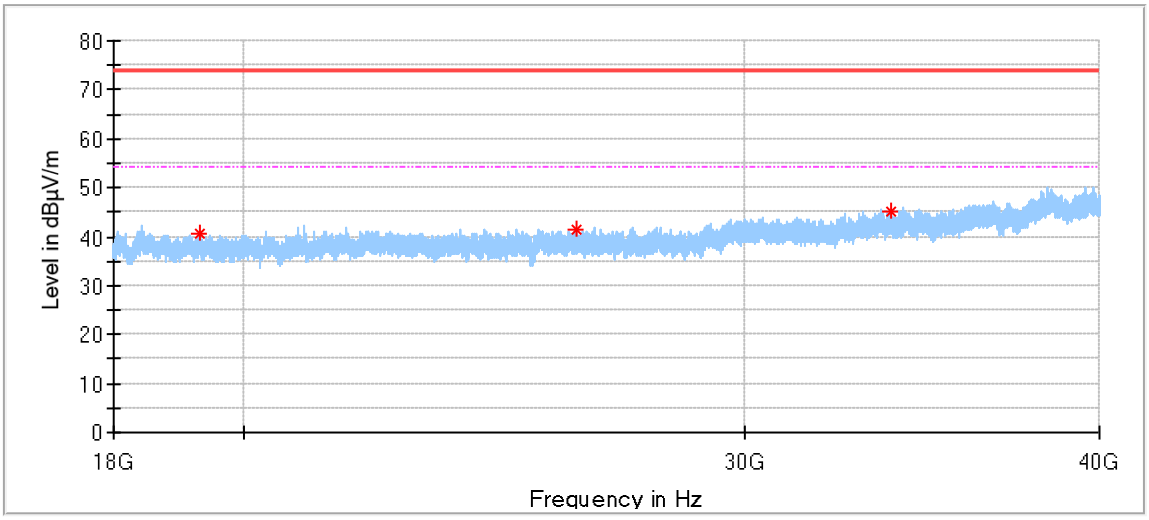
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2976.500000	44.59	68.20	23.61	150.0	H	244.0	-0.58
4597.000000	49.01	74.00	24.99	150.0	H	110.0	3.96
5370.000000	50.56	74.00	23.44	150.0	H	197.0	5.30
6255.500000	52.61	68.20	15.59	150.0	H	170.0	8.23
7970.500000	39.82	68.20	28.38	150.0	H	206.0	6.25
10592.500000	41.08	68.20	27.12	150.0	H	147.0	9.01



Critical_Freqs

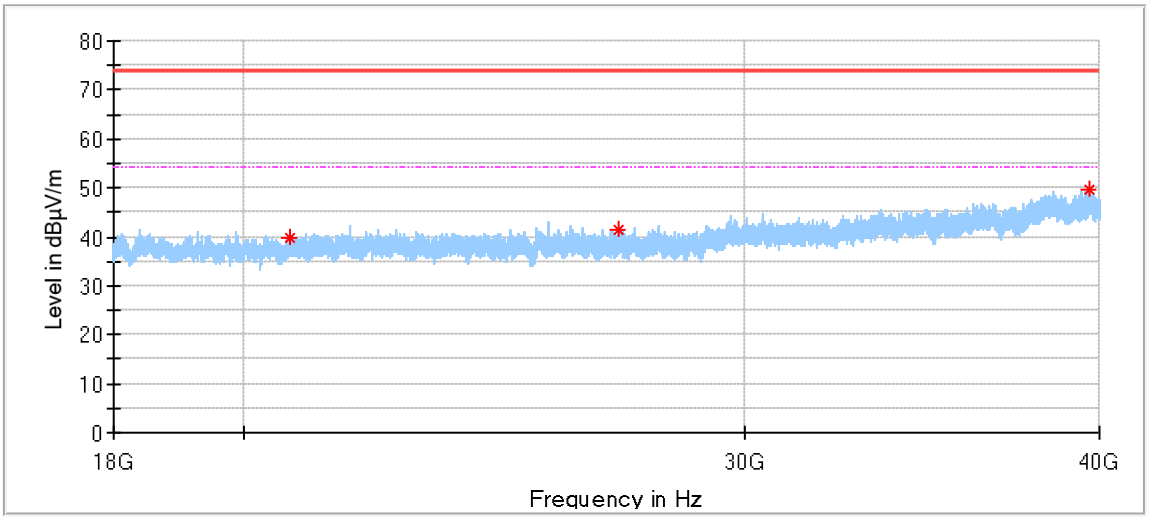
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3124.500000	45.69	68.20	22.51	150.0	V	50.0	0.64
3922.500000	46.32	74.00	27.68	150.0	V	210.0	1.25
5026.500000	48.20	74.00	25.80	150.0	V	230.0	4.41
6496.000000	51.22	68.20	16.98	150.0	V	83.0	8.31
8112.500000	38.43	74.00	35.57	150.0	V	356.0	6.33
11115.500000	41.30	74.00	32.70	150.0	V	127.0	9.99

802.11ax20_5785_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19310.375000	40.67	74.00	33.33	150.0	H	0.0	-2.89
26170.250000	41.39	74.00	32.61	150.0	H	287.0	1.49
33764.375000	44.94	74.00	29.06	150.0	H	87.0	3.10



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20769.250000	39.83	74.00	34.17	150.0	V	60.0	-1.14
27115.562500	41.24	74.00	32.76	150.0	V	263.0	1.60
39703.687500	49.48	74.00	24.52	150.0	V	73.0	7.58

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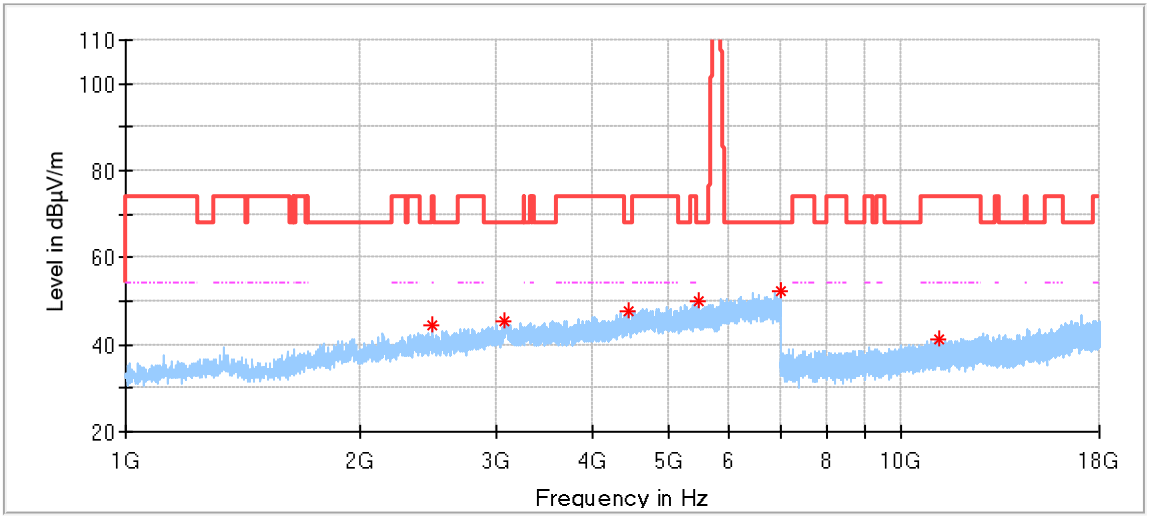
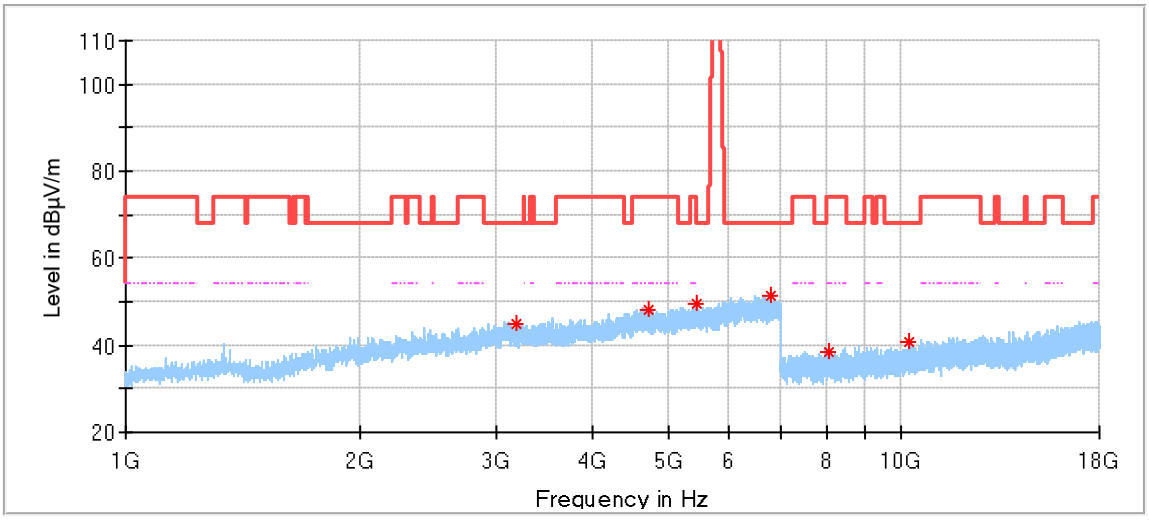
802.11ax20_5825_242Tone_RU61_ANT2 (1-18GHz)



Critical_Freqs

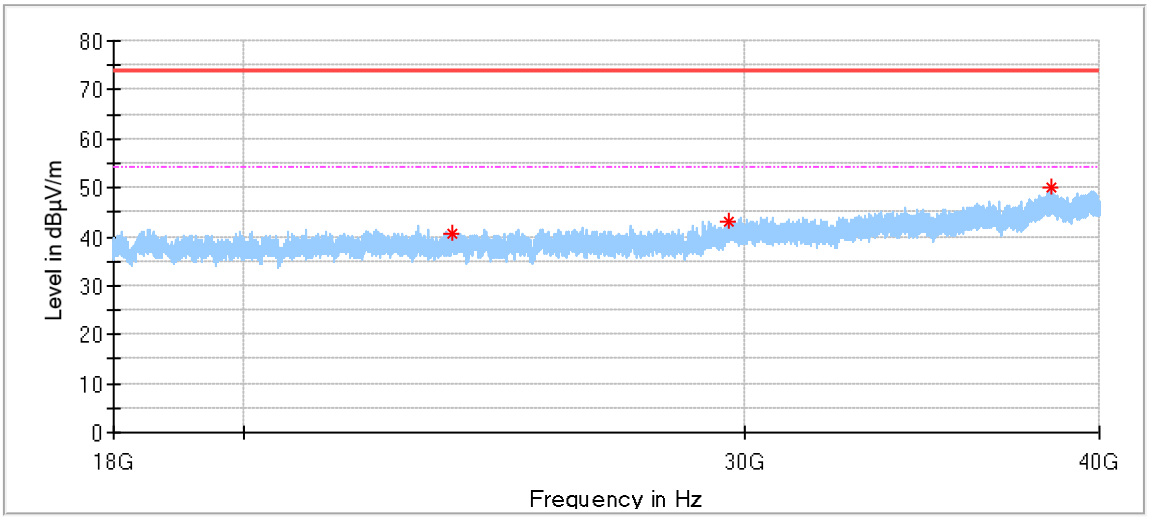
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.500000	44.44	74.00	29.56	150.0	H	280.0	-2.44
3085.000000	45.54	68.20	22.66	150.0	H	0.0	1.00
4443.000000	47.79	68.20	20.41	150.0	H	306.0	3.29
5470.500000	50.10	68.20	18.10	150.0	H	16.0	5.62
6988.000000	52.22	68.20	15.98	150.0	H	152.0	8.58
11176.000000	41.09	74.00	32.91	150.0	H	311.0	9.95



Critical_Freqs

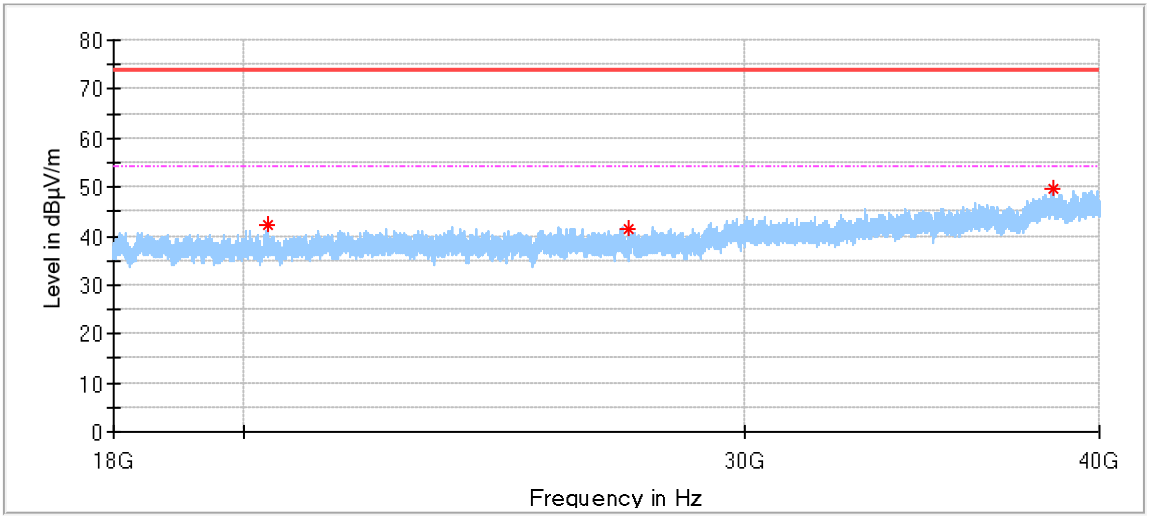
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3188.500000	45.04	68.20	23.16	150.0	V	204.0	-0.36
4709.000000	48.21	74.00	25.79	150.0	V	163.0	4.34
5451.000000	49.57	74.00	24.43	150.0	V	123.0	5.68
6804.000000	51.50	68.20	16.70	150.0	V	331.0	8.15
8075.500000	38.33	74.00	35.67	150.0	V	26.0	6.30
10235.500000	40.68	68.20	27.52	150.0	V	266.0	8.71

802.11ax20_5825_242Tone_RU61_ANT2 (18-40GHz)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
23673.250000	40.80	74.00	33.20	150.0	H	0.0	0.45
29617.375000	43.00	74.00	31.00	150.0	H	154.0	1.92
38463.437500	50.06	74.00	23.94	150.0	H	328.0	6.57



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20380.812500	42.13	74.00	31.87	150.0	V	204.0	-1.61
27311.500000	41.47	74.00	32.53	150.0	V	231.0	1.72
38514.312500	49.58	74.00	24.42	150.0	V	31.0	6.51

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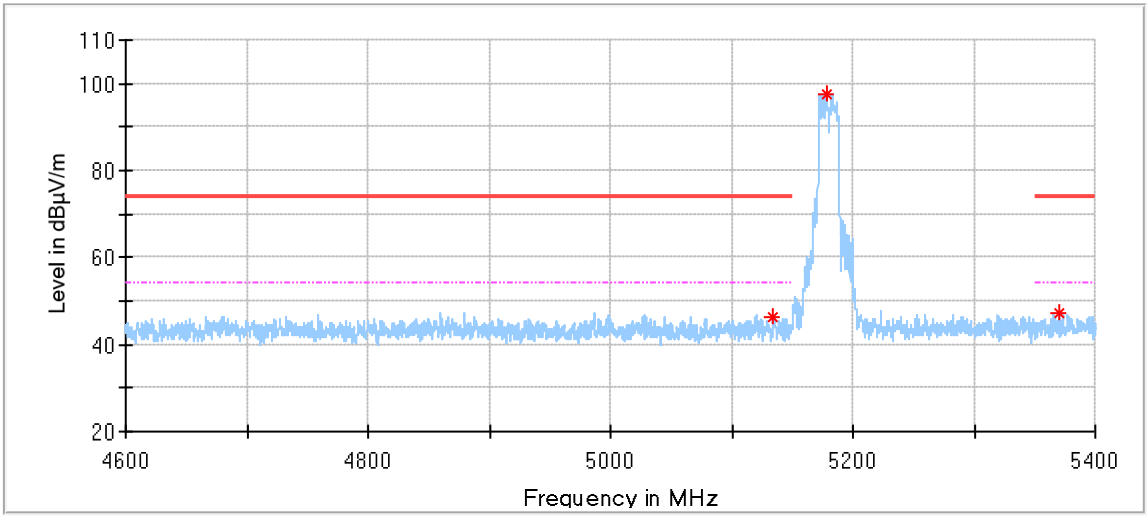
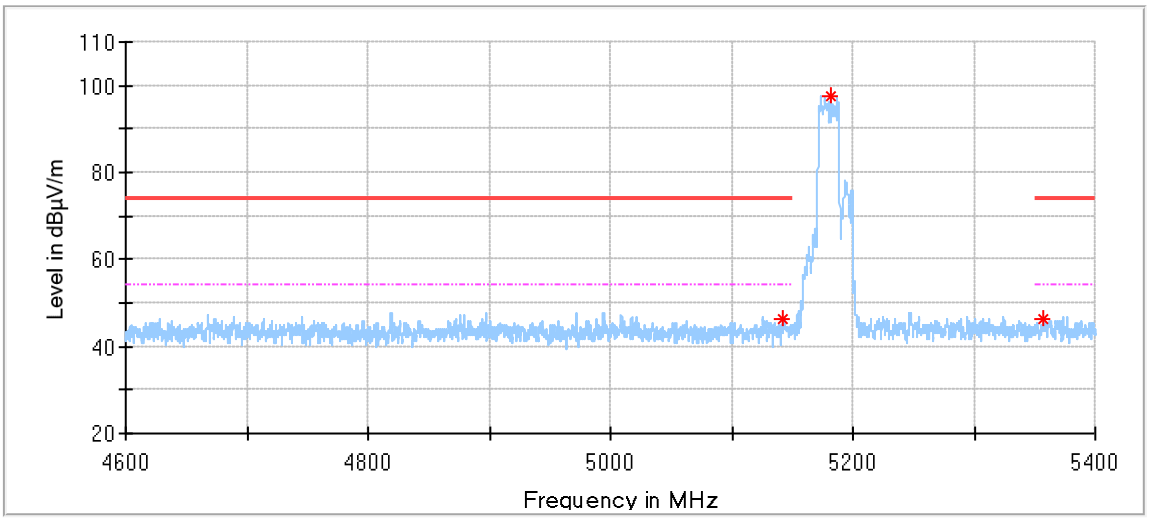
Restricted-band band-edge

802.11a_5180_ANT1



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5134.133333	46.37	74.00	27.63	150.0	H	322.0	3.66	Spurious
5178.666667	97.58	---	---	150.0	H	322.0	3.82	Fundamental Frequency
5370.266667	47.41	74.00	26.59	150.0	H	308.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5142.266667	46.30	74.00	27.70	150.0	V	181.0	3.66	Spurious
5182.066667	97.66	---	---	150.0	V	203.0	3.83	Fundamental Frequency
5356.800000	46.29	74.00	27.71	150.0	V	269.0	4.26	Spurious

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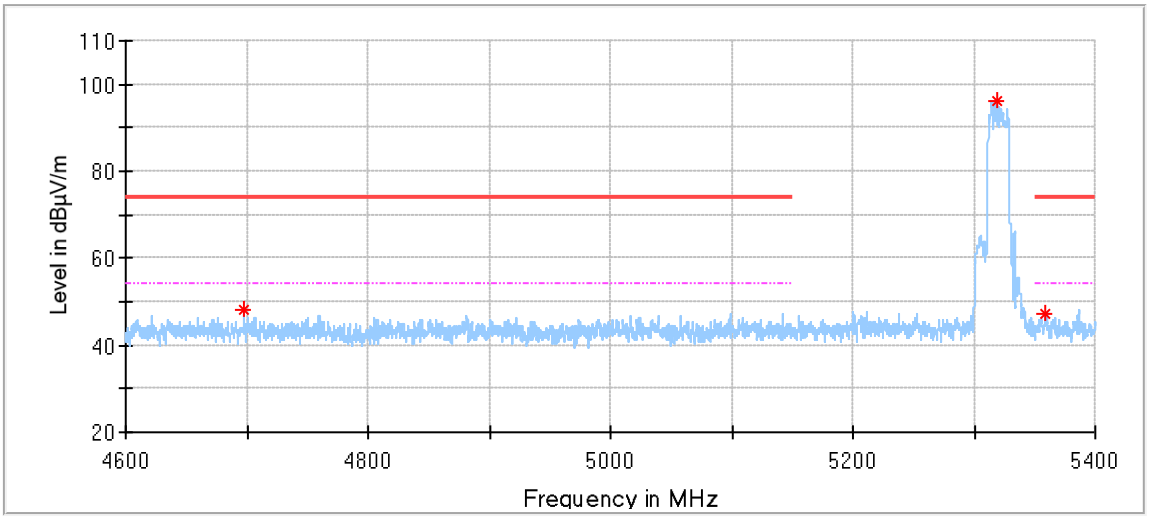
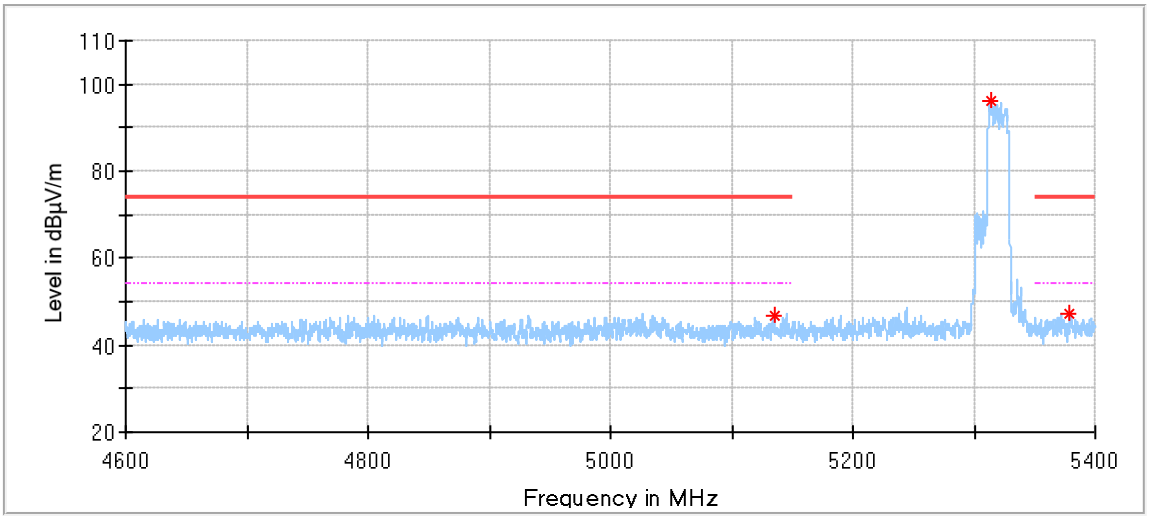


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4697.400000	48.09	74.00	25.91	150.0	H	139.0	3.35	Spurious
5318.733333	96.04	---	---	150.0	H	308.0	4.25	Fundamental Frequency
5359.466667	47.45	74.00	26.55	150.0	H	58.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5135.333333	46.80	74.00	27.20	150.0	V	258.0	3.66	Spurious
5313.600000	96.14	---	---	150.0	V	185.0	4.23	Fundamental Frequency
5379.333333	47.41	74.00	26.59	150.0	V	82.0	4.28	Spurious

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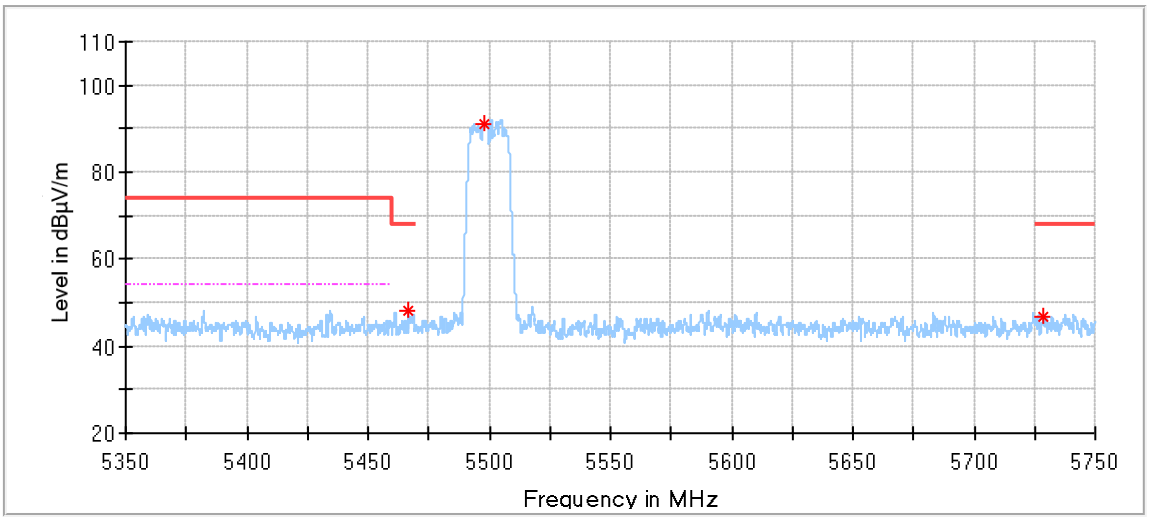
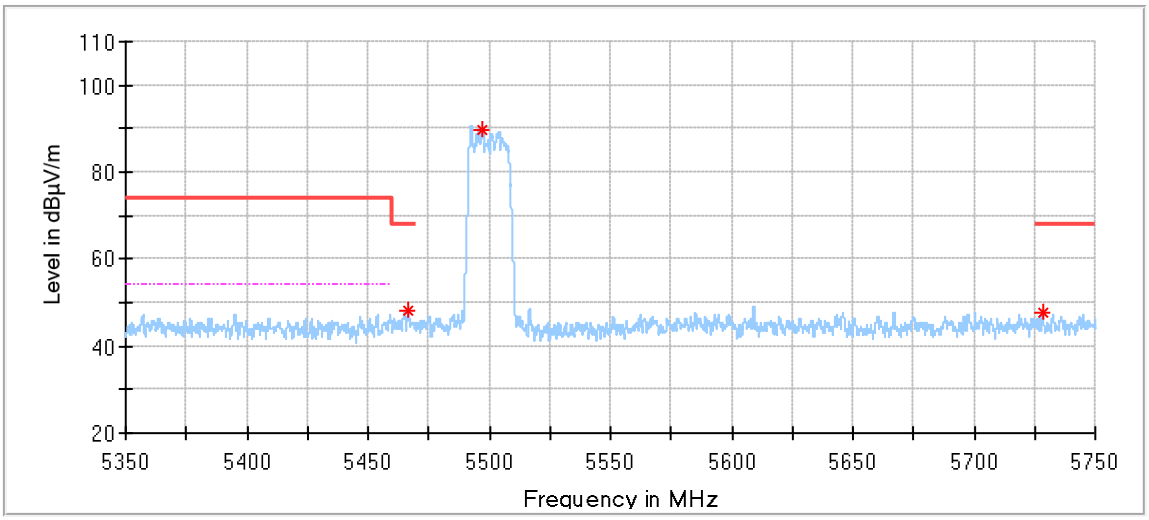


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5466.600000	47.95	68.20	20.25	150.0	H	84.0	4.85	Spurious
5498.100000	91.20	---	---	150.0	H	357.0	4.90	Fundamental Frequency
5728.333333	46.62	68.20	21.58	150.0	H	55.0	4.80	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5466.566667	48.05	68.20	20.15	150.0	V	77.0	4.85	Spurious
5497.433333	89.65	---	---	150.0	V	196.0	4.90	Fundamental Frequency
5728.233333	47.57	68.20	20.63	150.0	V	47.0	4.80	Spurious

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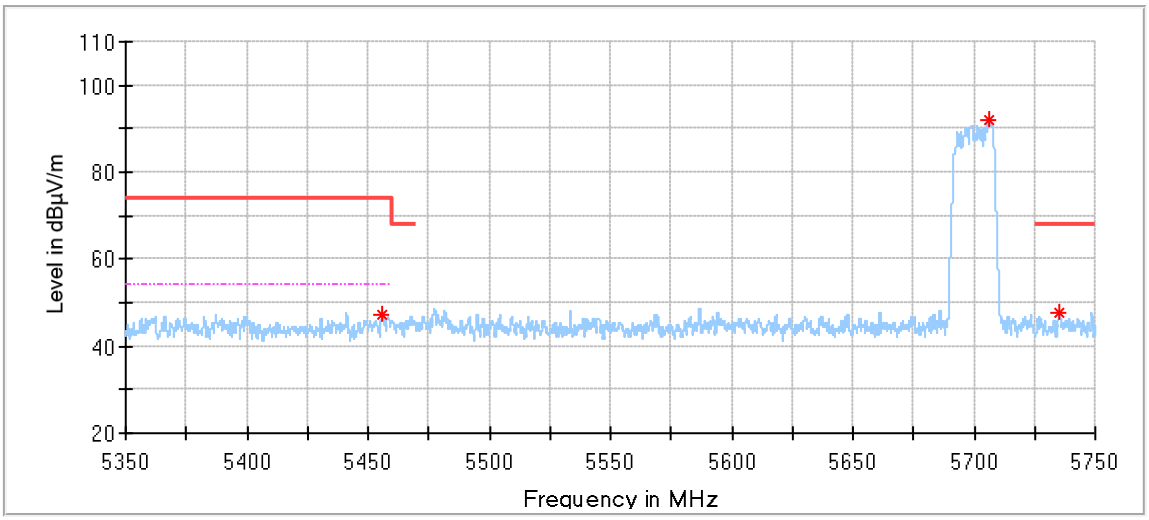
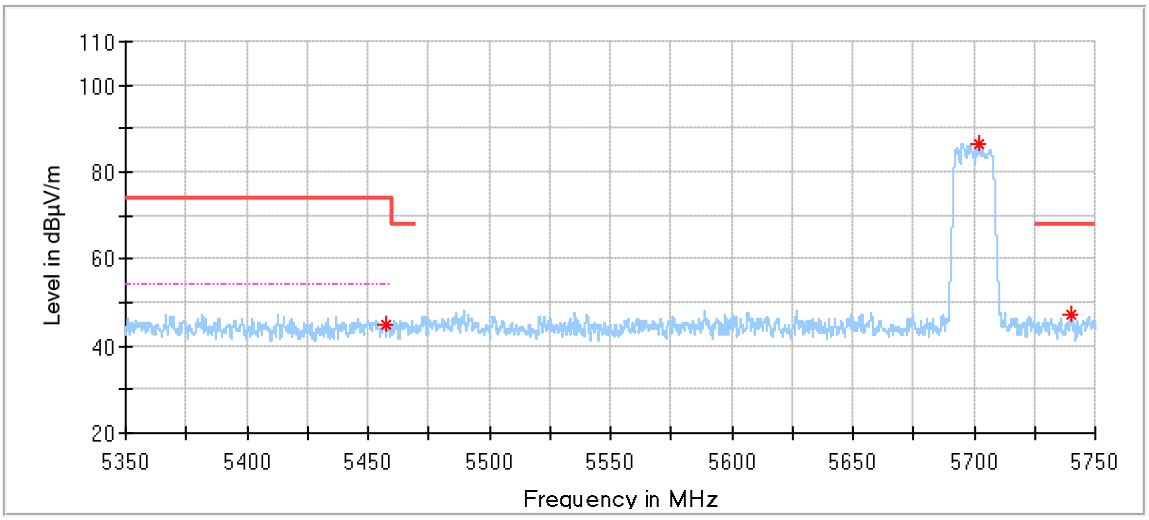
802.11a_5700_ANT1



Critical_Freqs

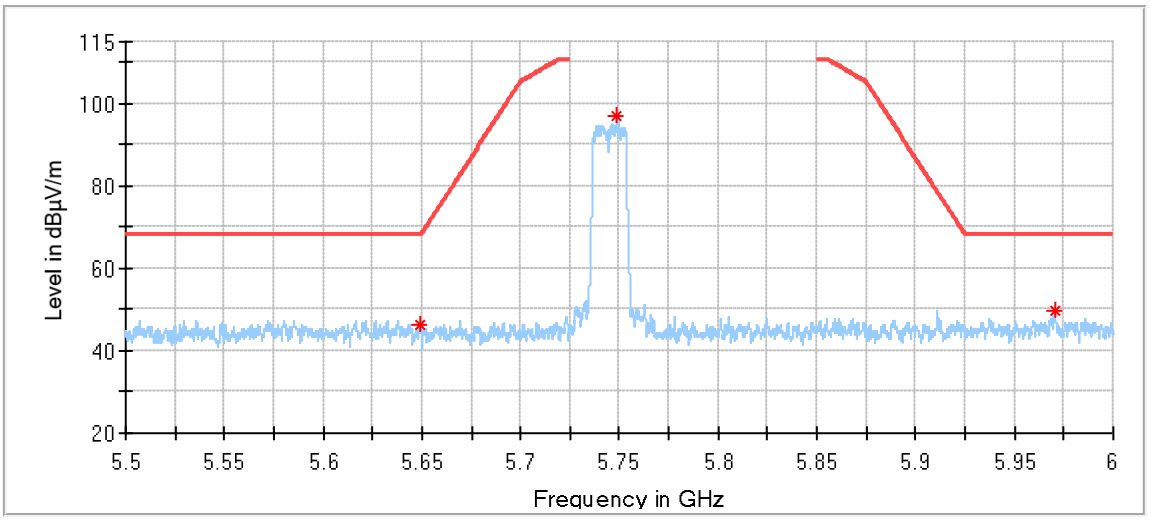
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5455.833333	47.33	74.00	26.67	150.0	H	206.0	4.74	Spurious
5706.266667	91.96	---	---	150.0	H	305.0	4.77	Fundamental Frequency
5735.033333	47.80	68.20	20.40	150.0	H	46.0	4.81	Spurious



Critical_Freqs

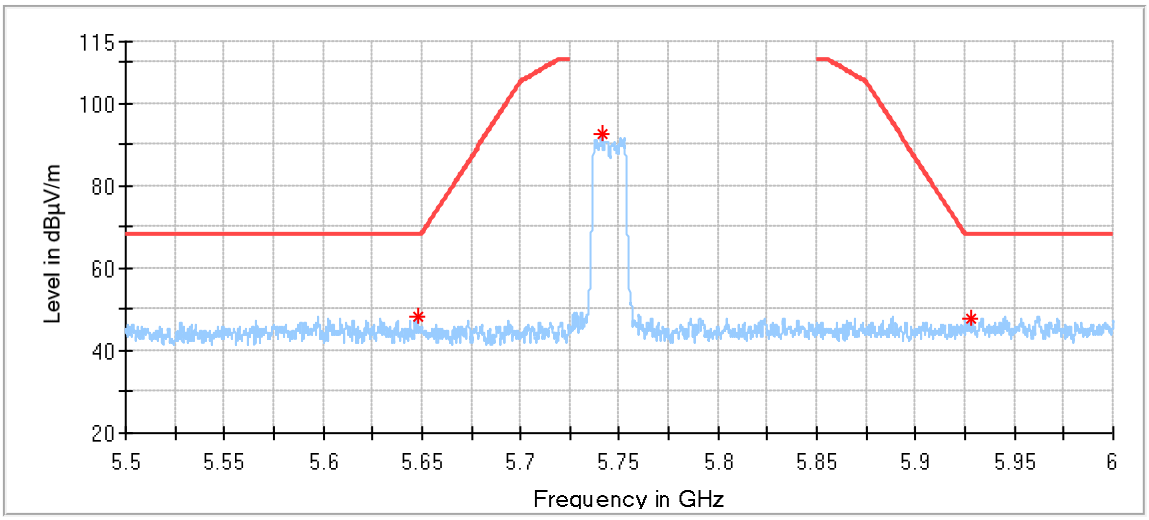
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5457.700000	45.08	74.00	28.92	150.0	V	107.0	4.76	Spurious
5702.166667	86.59	---	---	150.0	V	250.0	4.76	Fundamental Frequency
5740.066667	47.16	68.20	21.04	150.0	V	172.0	4.82	Spurious

802.11a_5745_ANT1



Critical_Freqs

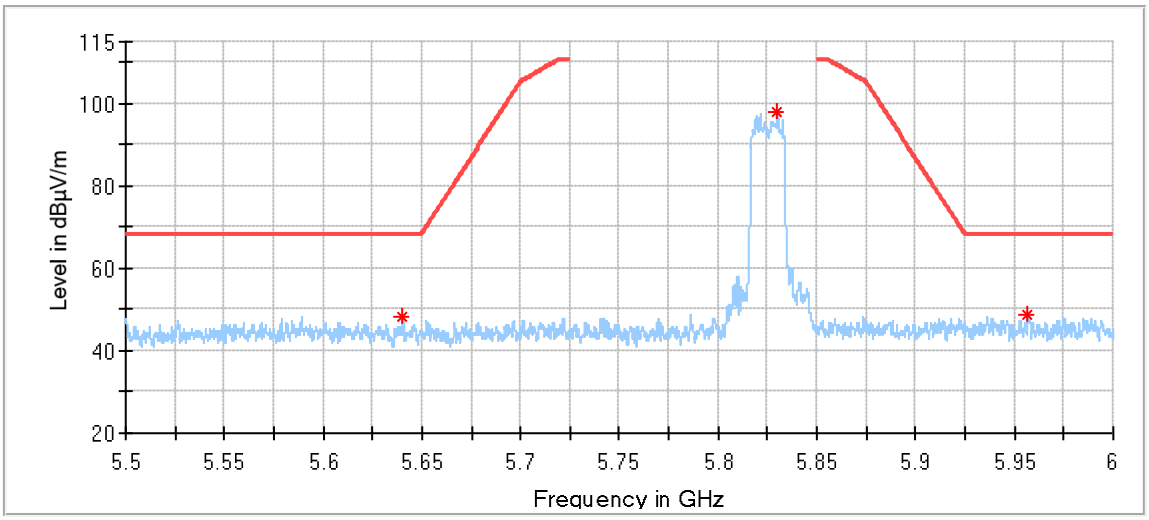
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5648.750000	46.19	68.20	22.01	150.0	H	144.0	4.73	Spurious
5748.791667	97.02	---	---	150.0	H	269.0	4.83	Fundamental Frequency
5970.125000	49.86	68.20	18.34	150.0	H	4.0	5.81	Spurious



Critical_Freqs

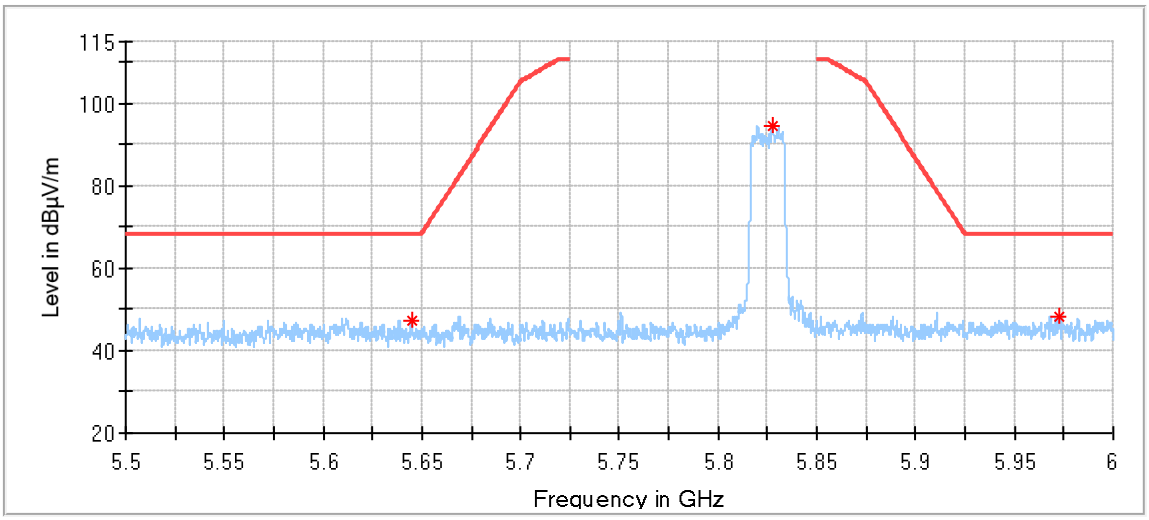
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5647.625000	48.19	68.20	20.01	150.0	V	127.0	4.73	Spurious
5741.291667	92.41	---	---	150.0	V	0.0	4.82	Fundamental Frequency
5928.000000	47.56	68.20	20.64	150.0	V	120.0	5.68	Spurious

802.11a_5825_ANT1



Critical_Freqs

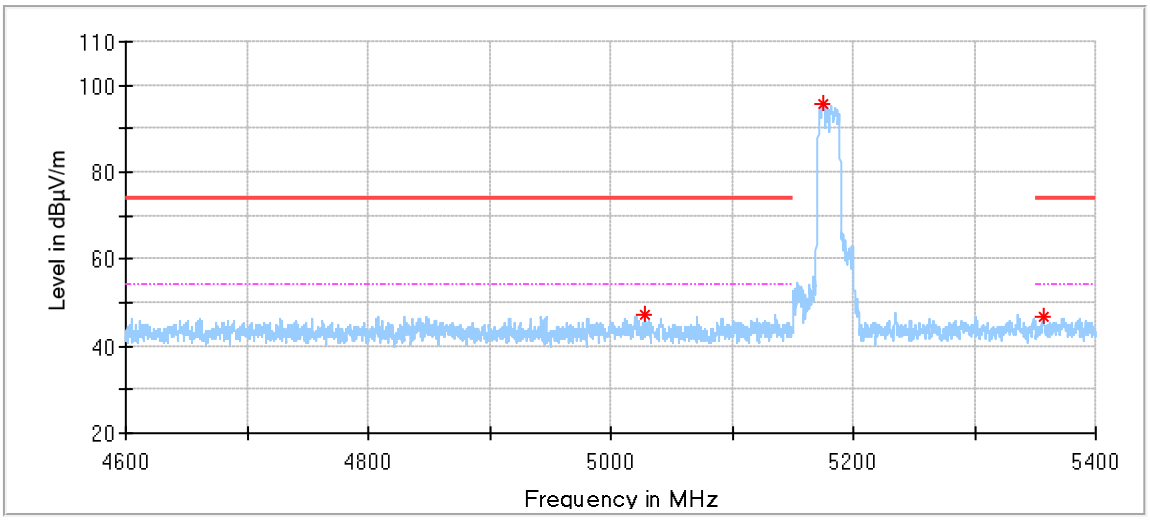
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5640.291667	48.03	68.20	20.17	150.0	H	305.0	4.72	Spurious
5829.750000	98.06	---	---	150.0	H	313.0	5.29	Fundamental Frequency
5956.708333	48.68	68.20	19.52	150.0	H	283.0	5.76	Spurious



Critical_Freqs

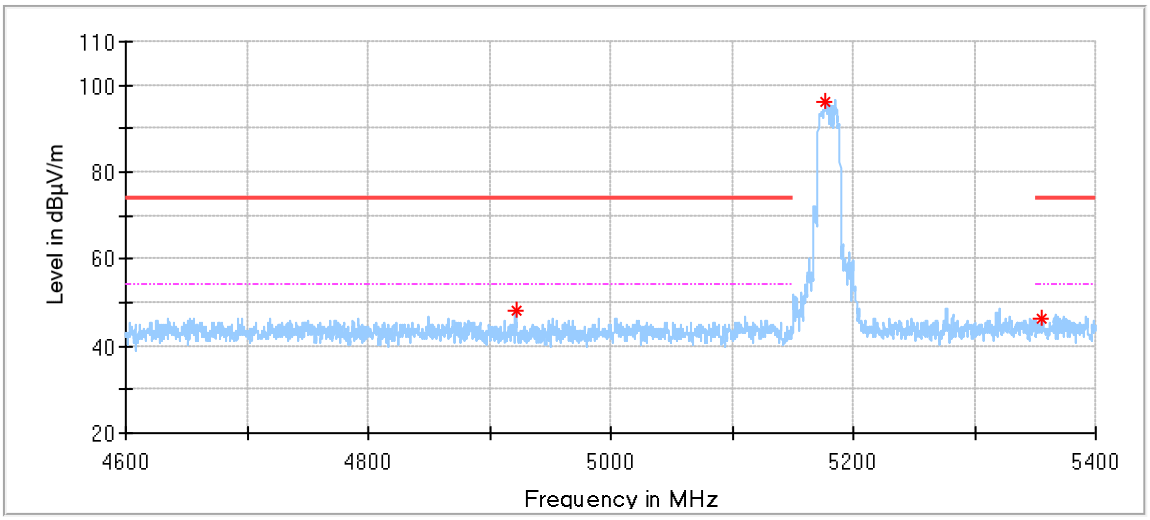
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5644.708333	47.52	68.20	20.68	150.0	V	188.0	4.73	Spurious
5827.333333	94.33	---	---	150.0	V	0.0	5.28	Fundamental Frequency
5972.958333	48.23	68.20	19.97	150.0	V	14.0	5.82	Spurious

802.11n20_5180_ANT1



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5028.533333	47.11	74.00	26.89	150.0	H	181.0	3.39	Spurious
5174.866667	95.52	---	---	150.0	H	313.0	3.80	Fundamental Frequency
5356.466667	46.55	74.00	27.45	150.0	H	0.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4921.533333	48.09	74.00	25.91	150.0	V	207.0	3.34	Spurious
5176.933333	96.32	---	---	150.0	V	207.0	3.81	Fundamental Frequency
5356.066667	46.09	74.00	27.91	150.0	V	0.0	4.26	Spurious

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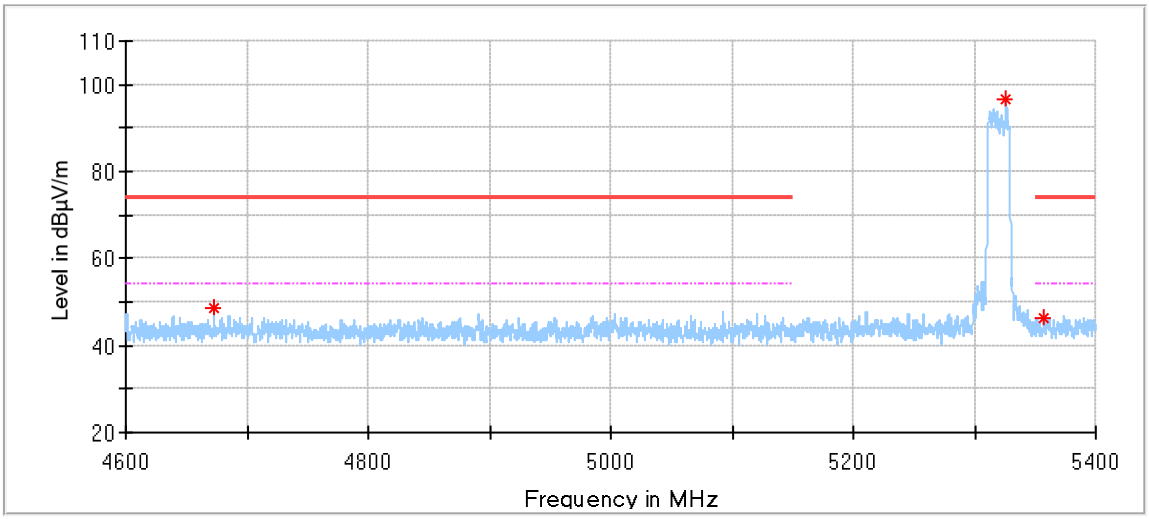
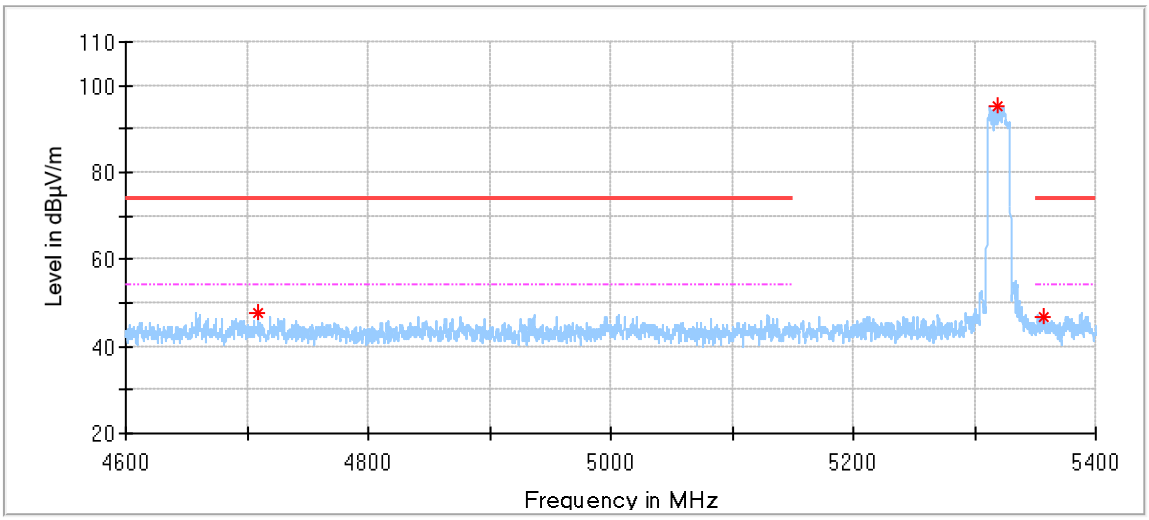


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4673.000000	48.53	74.00	25.47	150.0	H	42.0	3.30	Spurious
5325.933333	96.54	---	---	150.0	H	309.0	4.25	Fundamental Frequency
5357.133333	46.37	74.00	27.63	150.0	H	79.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4709.000000	47.76	74.00	26.24	150.0	V	272.0	3.33	Spurious
5319.200000	95.12	---	---	150.0	V	188.0	4.25	Fundamental Frequency
5357.733333	46.57	74.00	27.43	150.0	V	34.0	4.26	Spurious

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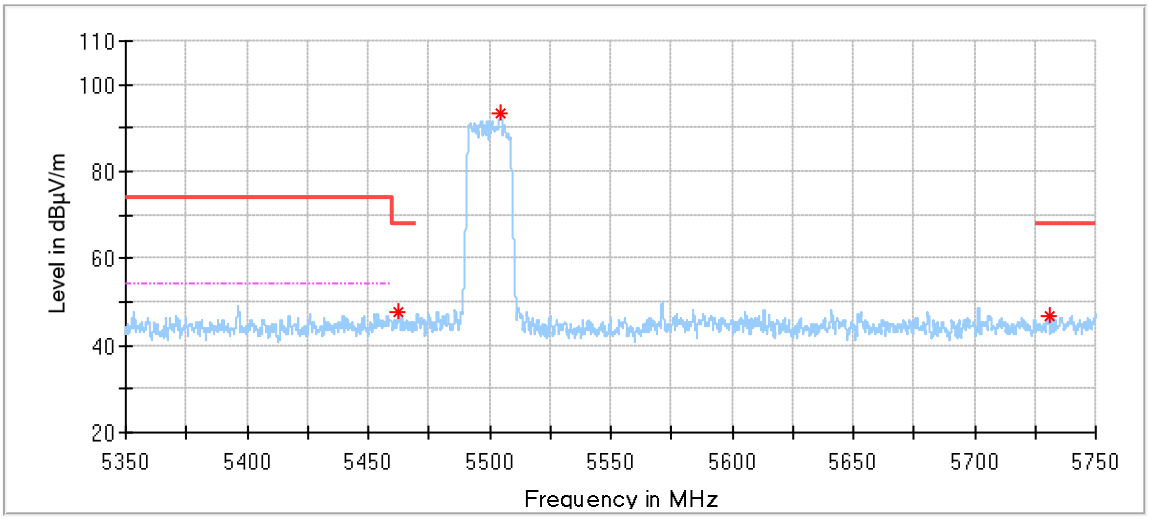
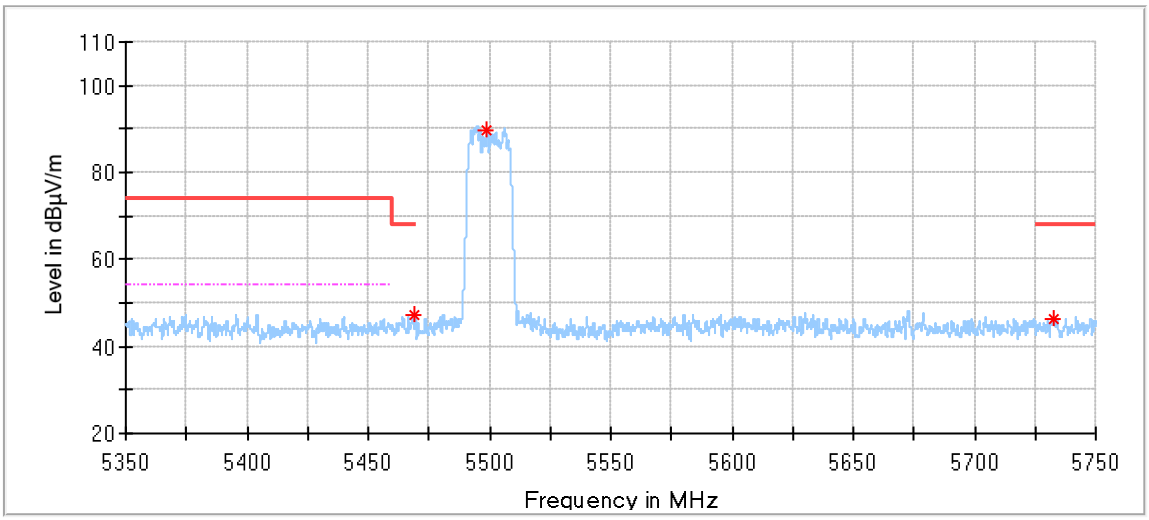


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5462.566667	47.59	68.20	20.61	150.0	H	311.0	4.80	Spurious
5504.766667	93.49	---	---	150.0	H	304.0	4.86	Fundamental Frequency
5730.800000	46.66	68.20	21.54	150.0	H	146.0	4.80	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5469.266667	47.35	68.20	20.85	150.0	V	310.0	4.87	Spurious
5498.933333	89.65	---	---	150.0	V	316.0	4.89	Fundamental Frequency
5732.533333	46.34	68.20	21.86	150.0	V	250.0	4.81	Spurious

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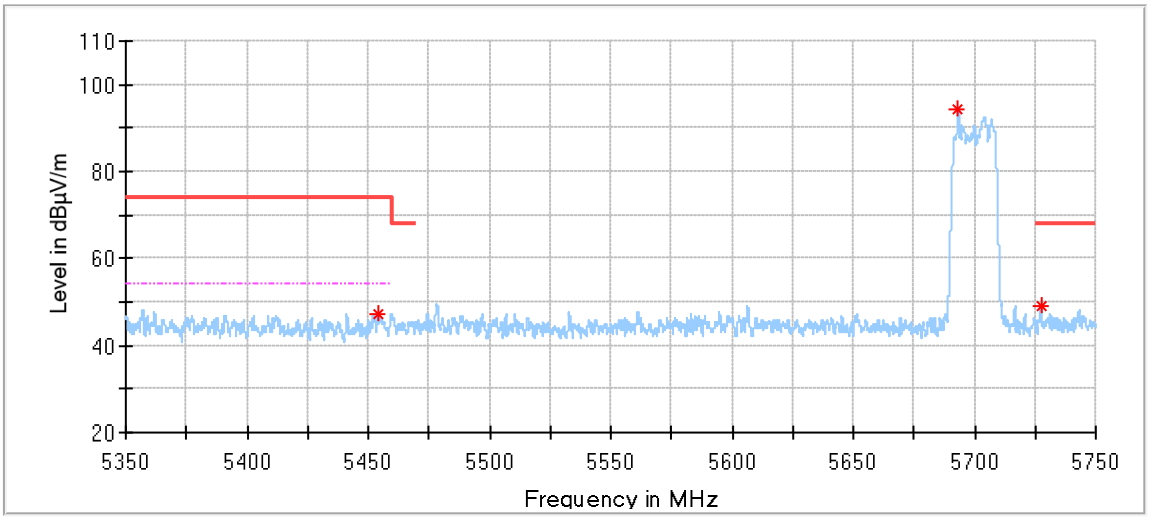
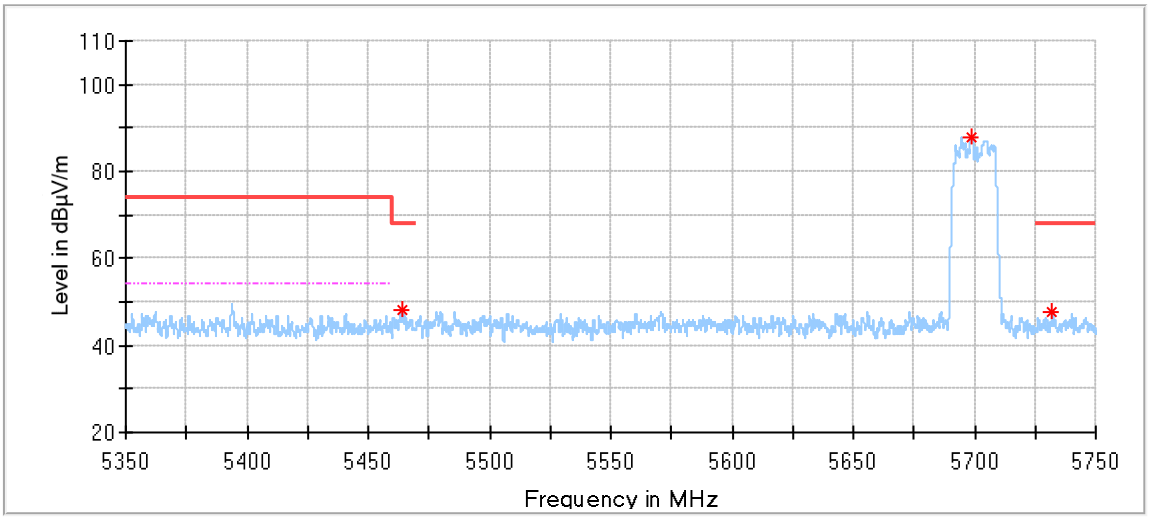


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5453.866667	47.08	74.00	26.92	150.0	H	293.0	4.72	Spurious
5693.333333	94.33	---	---	150.0	H	306.0	4.76	Fundamental Frequency
5727.400000	49.03	68.20	19.17	150.0	H	161.0	4.80	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5464.200000	48.30	68.20	19.90	150.0	V	17.0	4.82	Spurious
5698.900000	87.63	---	---	150.0	V	3.0	4.76	Fundamental Frequency
5732.133333	47.57	68.20	20.63	150.0	V	154.0	4.81	Spurious

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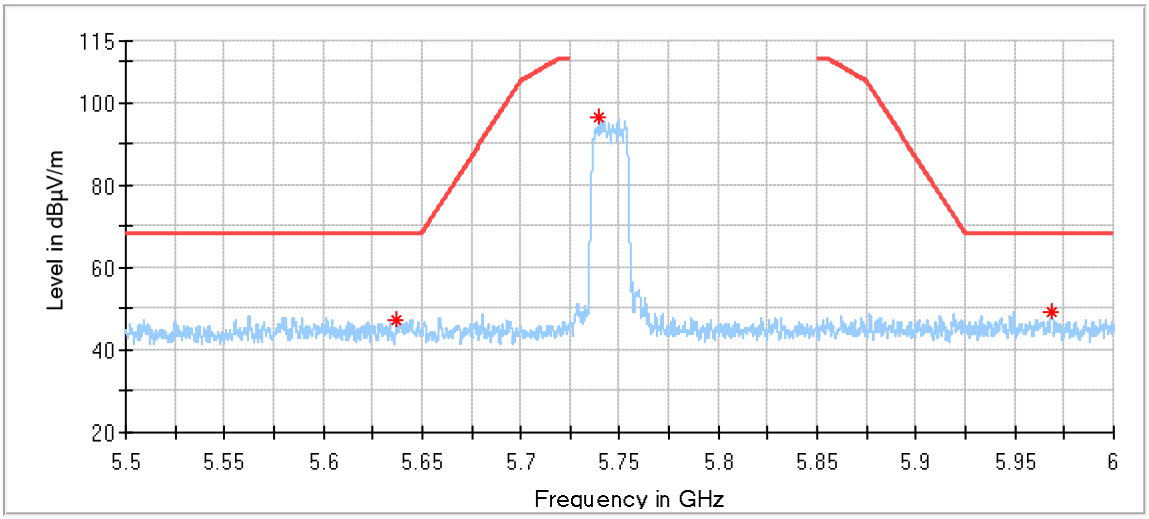
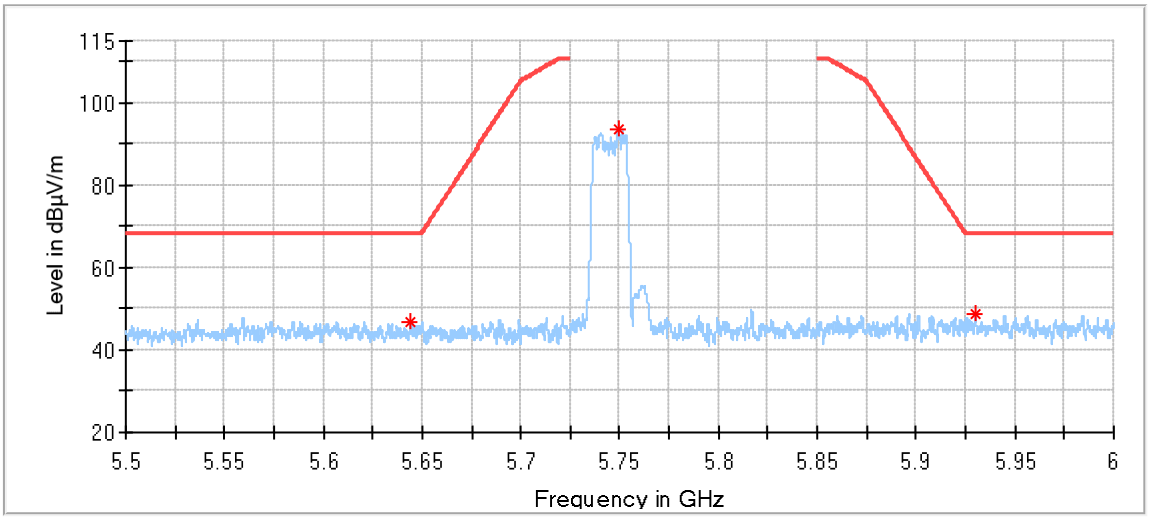


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5637.000000	47.36	68.20	20.84	150.0	H	22.0	4.72	Spurious
5739.666667	96.52	---	---	150.0	H	311.0	4.82	Fundamental Frequency
5968.666667	49.16	68.20	19.04	150.0	H	245.0	5.81	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5643.875000	46.76	68.20	21.44	150.0	V	99.0	4.73	Spurious
5749.000000	93.39	---	---	150.0	V	253.0	4.83	Fundamental Frequency
5929.916667	48.65	68.20	19.55	150.0	V	353.0	5.68	Spurious

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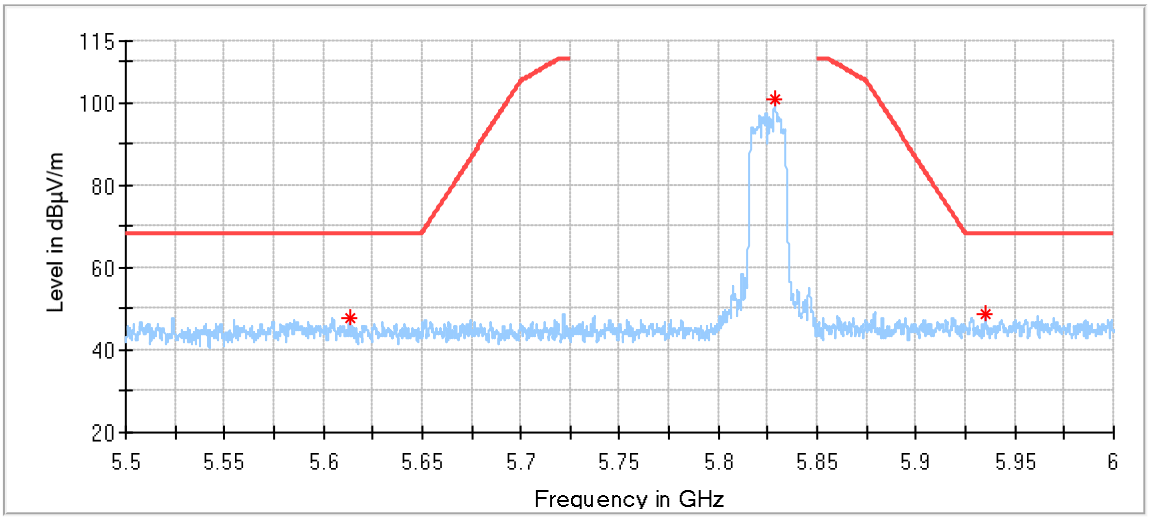
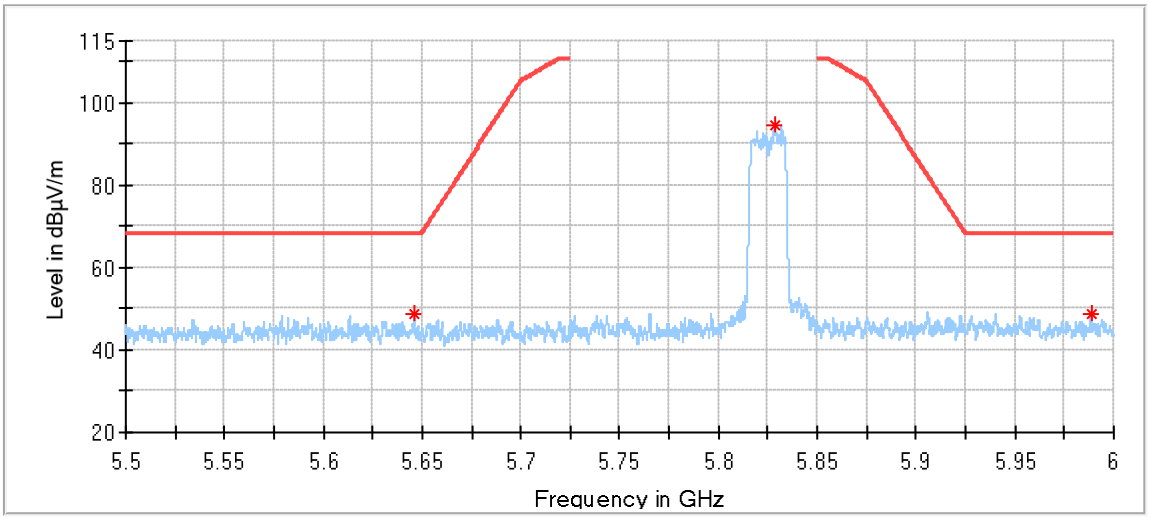


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5613.458333	47.55	68.20	20.65	150.0	H	9.0	4.72	Spurious
5828.458333	101.11	---	---	150.0	H	302.0	5.28	Fundamental Frequency
5935.166667	48.66	68.20	19.54	150.0	H	218.0	5.70	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5645.916667	48.60	68.20	19.60	150.0	V	0.0	4.73	Spurious
5828.208333	94.32	---	---	150.0	V	260.0	5.28	Fundamental Frequency
5988.541667	48.98	68.20	19.22	150.0	V	238.0	5.89	Spurious

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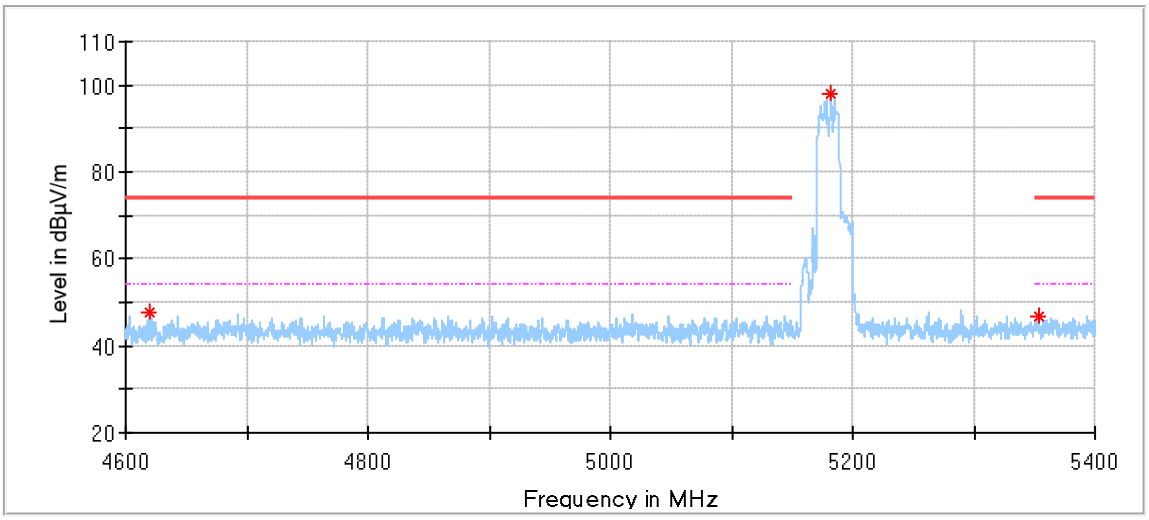
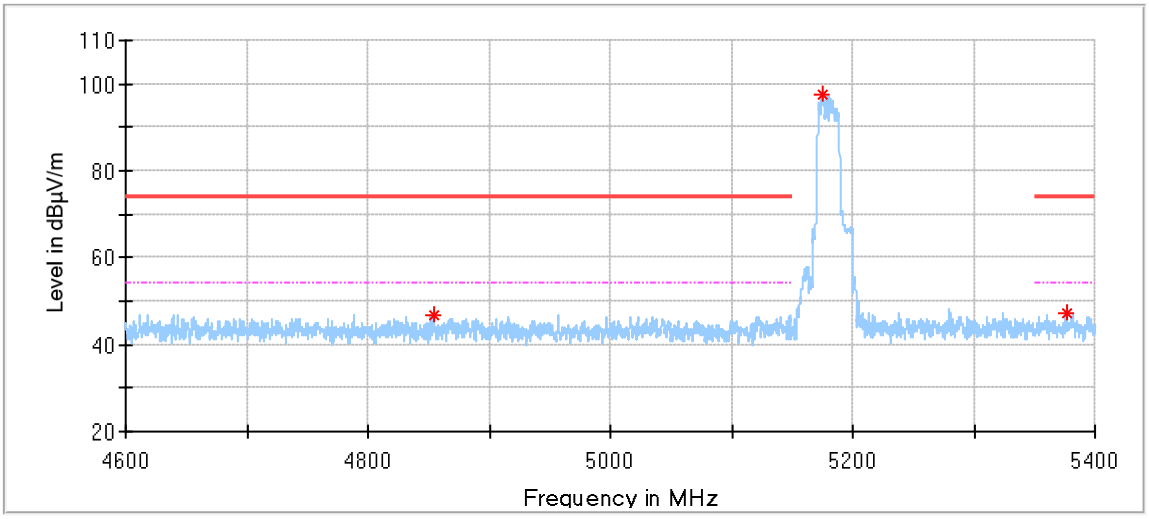


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4620.333333	47.47	74.00	26.53	150.0	H	126.0	3.07	Spurious
5182.133333	98.17	---	---	150.0	H	317.0	3.83	Fundamental Frequency
5353.000000	46.85	74.00	27.15	150.0	H	351.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4854.266667	46.80	74.00	27.20	150.0	V	139.0	3.29	Spurious
5175.000000	97.59	---	---	150.0	V	205.0	3.80	Fundamental Frequency
5376.200000	47.00	74.00	27.00	150.0	V	237.0	4.26	Spurious

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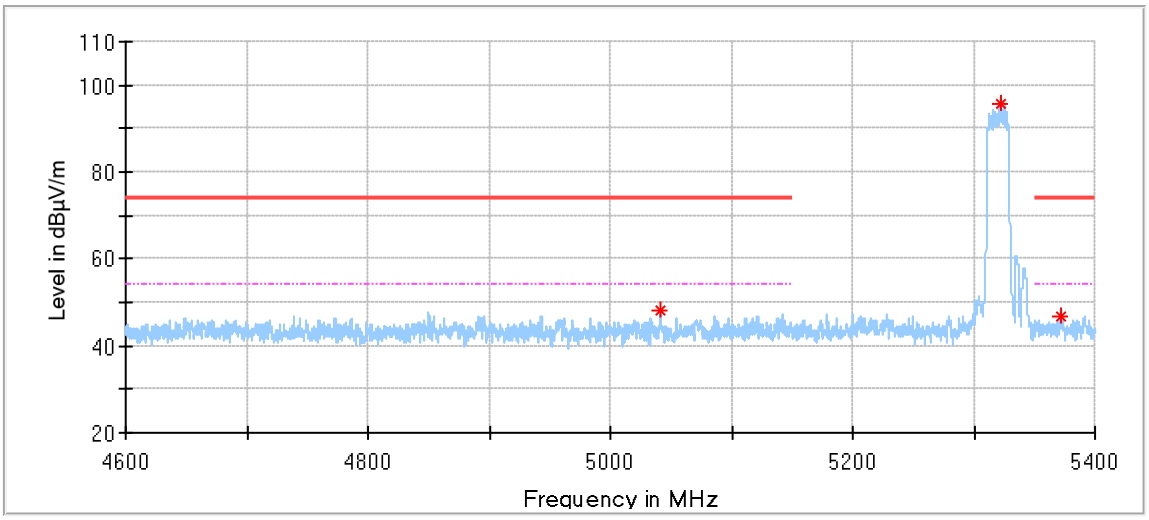
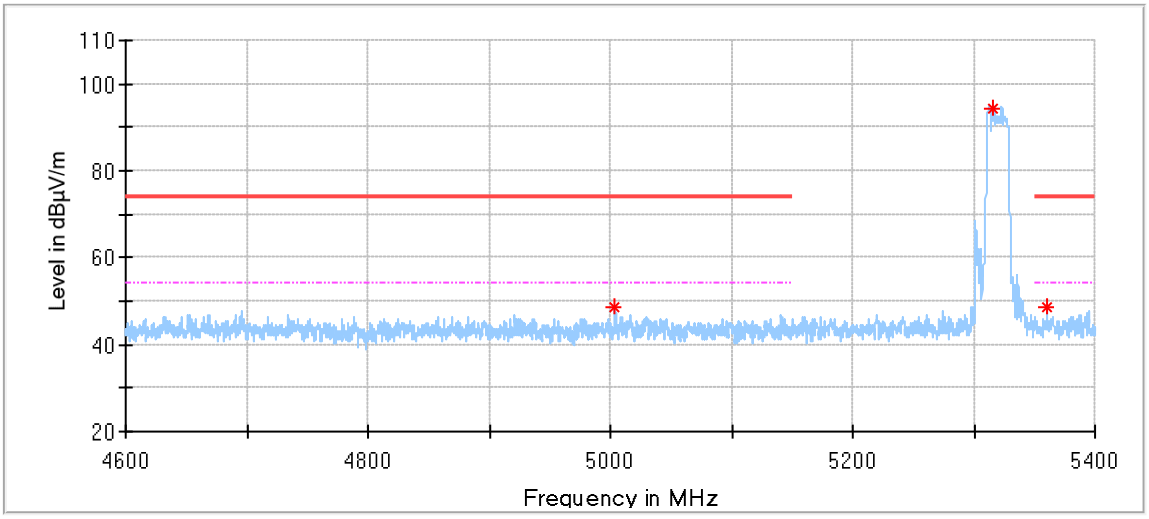


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5041.533333	48.06	74.00	25.94	150.0	H	278.0	3.33	Spurious
5321.666667	95.63	---	---	150.0	H	300.0	4.25	Fundamental Frequency
5371.866667	46.81	74.00	27.19	150.0	H	212.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5003.733333	48.47	74.00	25.53	150.0	V	319.0	3.44	Spurious
5315.066667	94.50	---	---	150.0	V	195.0	4.23	Fundamental Frequency
5360.400000	48.42	74.00	25.58	150.0	V	202.0	4.26	Spurious

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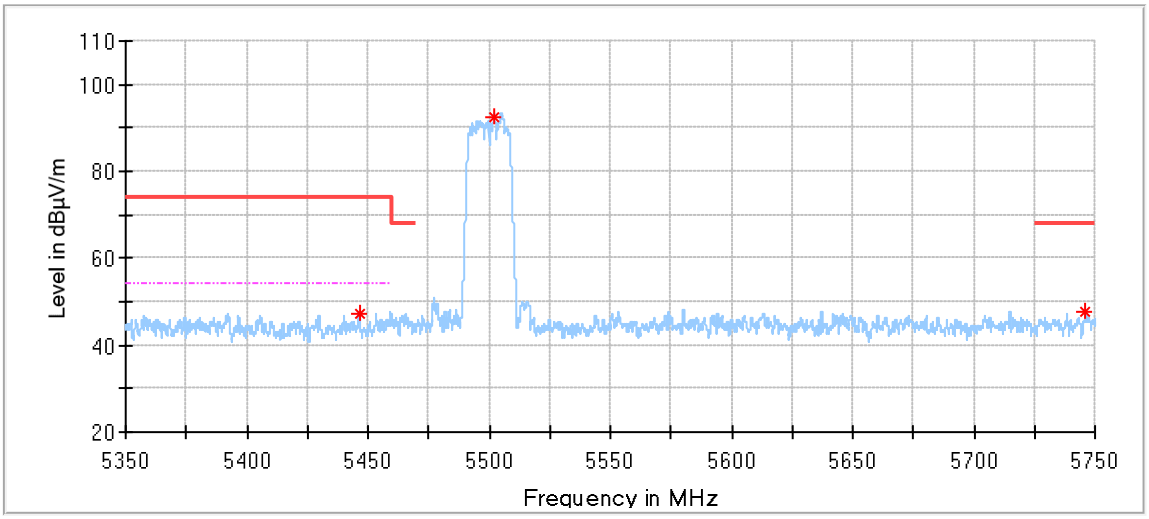
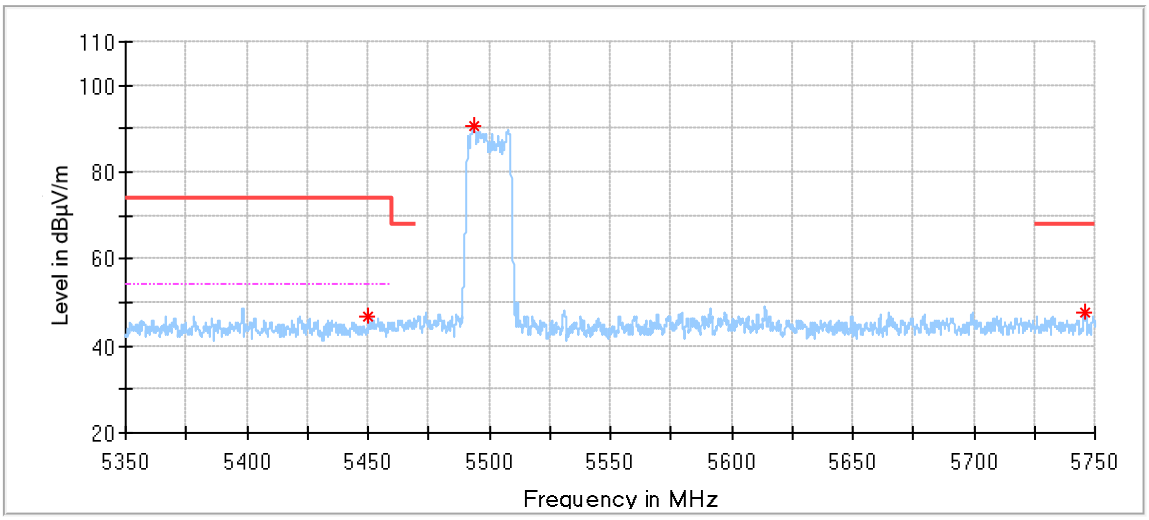


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5446.500000	47.44	74.00	26.56	150.0	H	278.0	4.64	Spurious
5502.366667	92.63	---	---	150.0	H	0.0	4.87	Fundamental Frequency
5746.066667	47.63	68.20	20.57	150.0	H	0.0	4.83	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5450.166667	46.57	74.00	27.43	150.0	V	81.0	4.68	Spurious
5493.800000	90.66	---	---	150.0	V	18.0	4.93	Fundamental Frequency
5746.100000	47.58	68.20	20.62	150.0	V	170.0	4.83	Spurious

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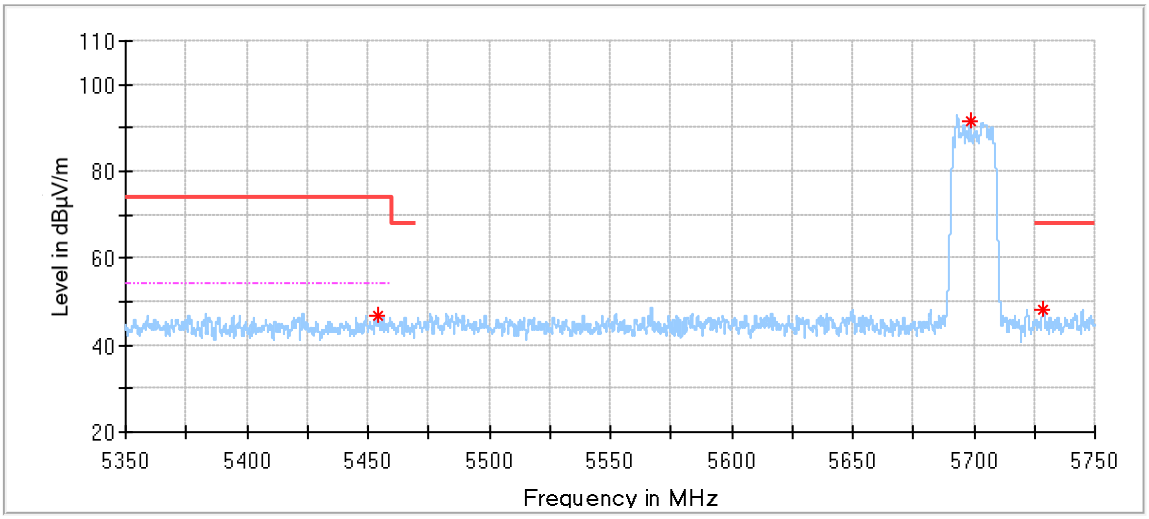
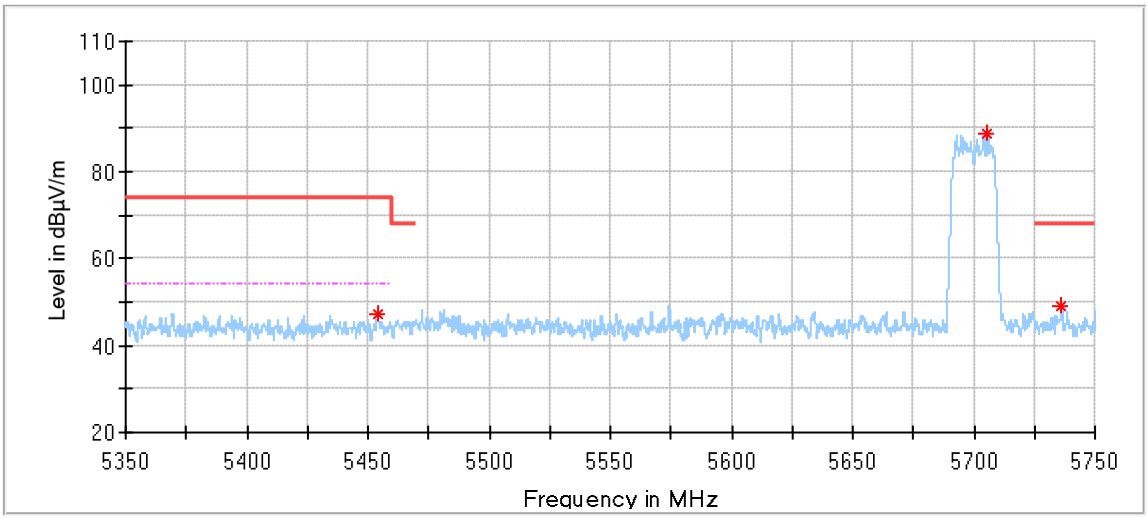


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5454.033333	46.67	74.00	27.33	150.0	H	65.0	4.72	Spurious
5698.566667	91.70	---	---	150.0	H	320.0	4.76	Fundamental Frequency
5728.600000	48.38	68.20	19.82	150.0	H	356.0	4.80	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5453.900000	47.12	74.00	26.88	150.0	V	169.0	4.72	Spurious
5705.566667	88.87	---	---	150.0	V	359.0	4.77	Fundamental Frequency
5736.166667	48.99	68.20	19.21	150.0	V	169.0	4.81	Spurious

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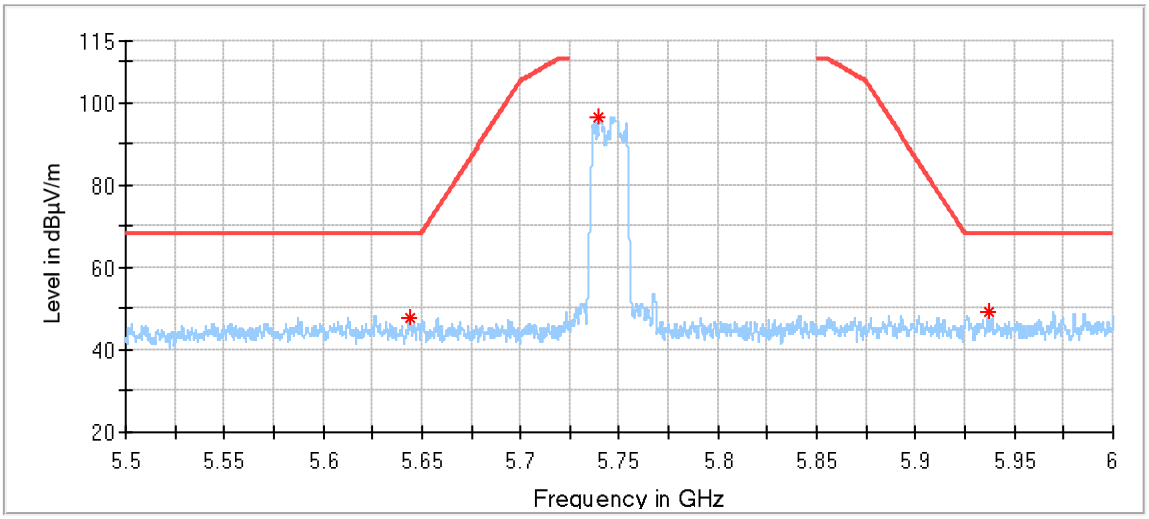
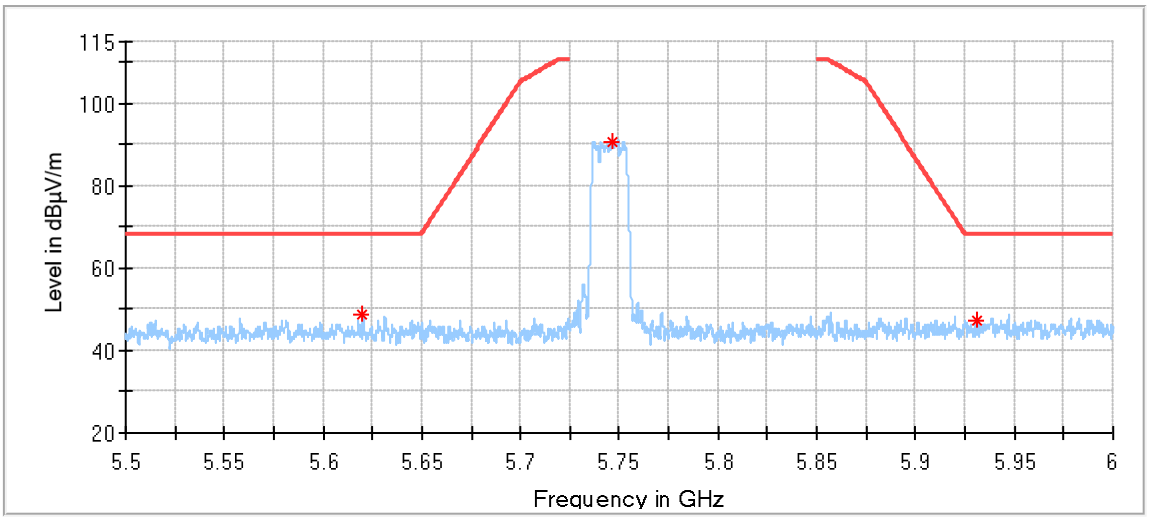


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5644.041667	47.53	68.20	20.67	150.0	H	358.0	4.73	Spurious
5739.791667	96.48	---	---	150.0	H	282.0	4.82	Fundamental Frequency
5936.916667	49.39	68.20	18.81	150.0	H	358.0	5.70	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5619.916667	48.71	68.20	19.49	150.0	V	1.0	4.72	Spurious
5746.000000	90.81	---	---	150.0	V	260.0	4.83	Fundamental Frequency
5930.666667	47.05	68.20	21.15	150.0	V	142.0	5.68	Spurious

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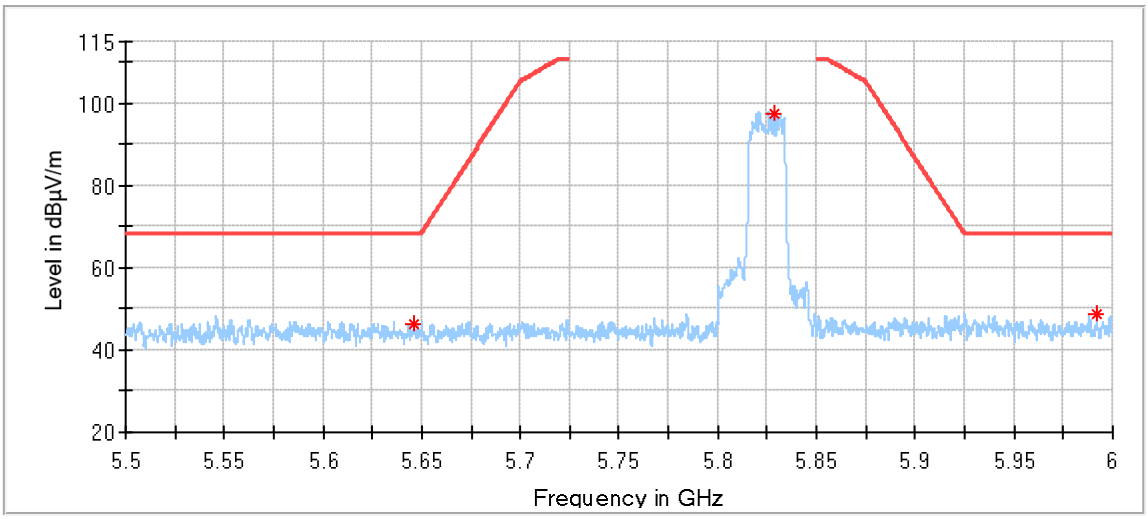
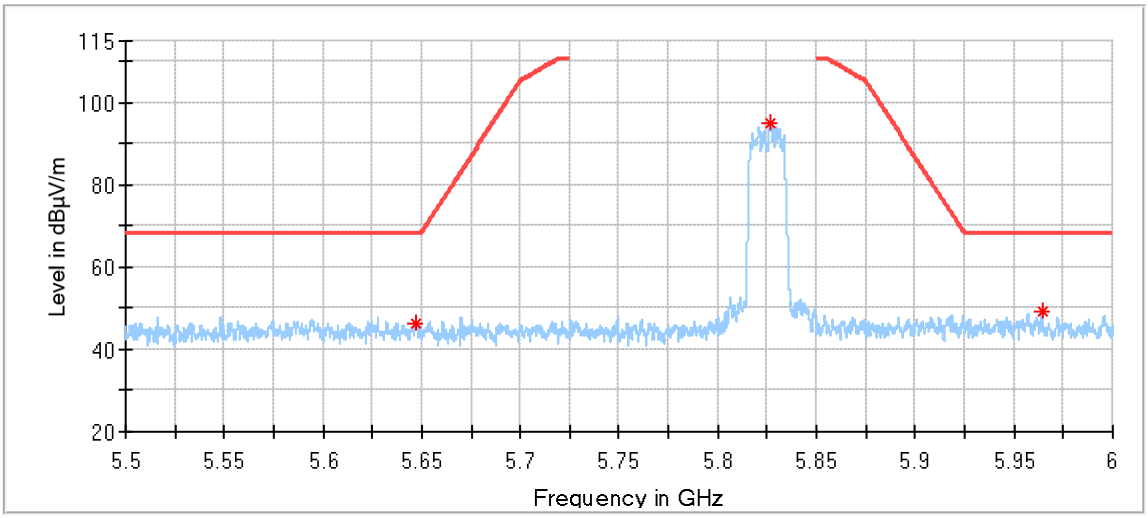


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5645.875000	46.40	68.20	21.80	150.0	H	311.0	4.73	Spurious
5828.291667	97.55	---	---	150.0	H	318.0	5.28	Fundamental Frequency
5991.791667	48.92	68.20	19.28	150.0	H	18.0	5.90	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5647.125000	46.42	68.20	21.78	150.0	V	354.0	4.73	Spurious
5826.541667	95.02	---	---	150.0	V	0.0	5.28	Fundamental Frequency
5964.000000	49.30	68.20	18.90	150.0	V	104.0	5.79	Spurious

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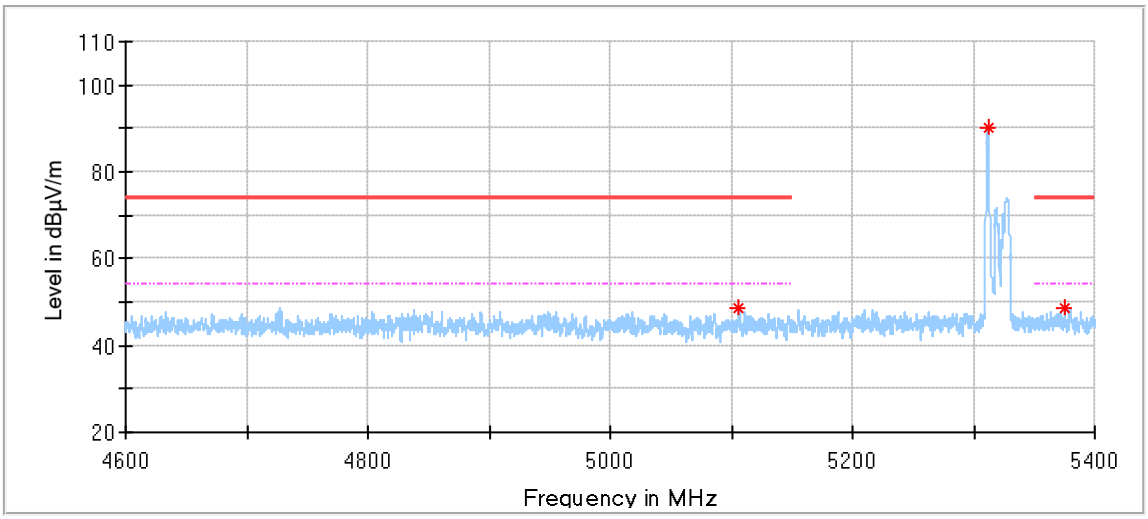
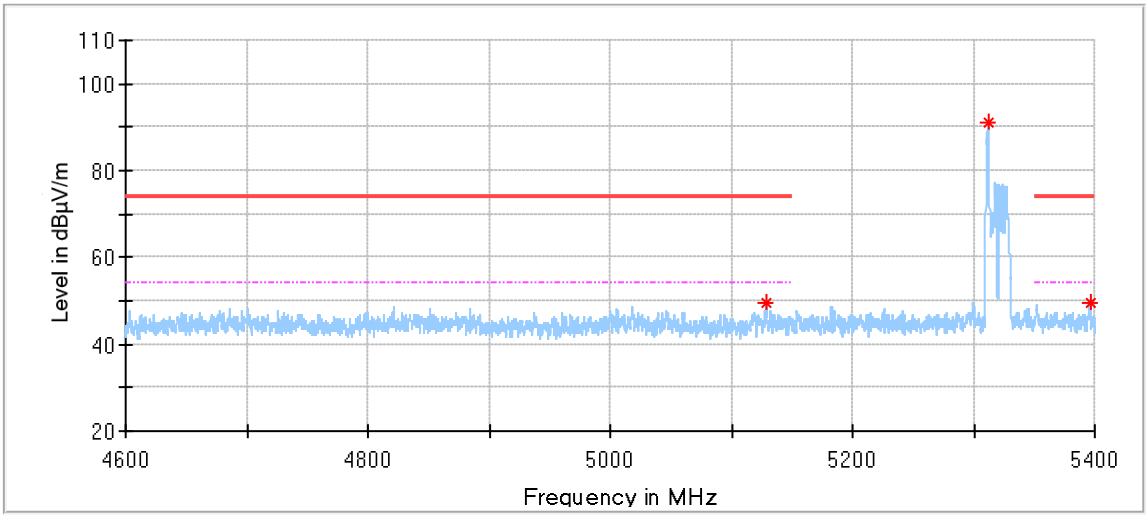


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5106.533333	48.46	74.00	25.54	150.0	H	115.0	3.64	Spurious
5311.600000	90.08	---	---	150.0	H	309.0	4.22	Fundamental Frequency
5375.133333	48.51	74.00	25.49	150.0	H	255.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5129.133333	49.42	74.00	24.58	150.0	V	251.0	3.66	Spurious
5311.866667	91.17	---	---	150.0	V	185.0	4.22	Fundamental Frequency
5395.933333	49.43	74.00	24.57	150.0	V	243.0	4.34	Spurious

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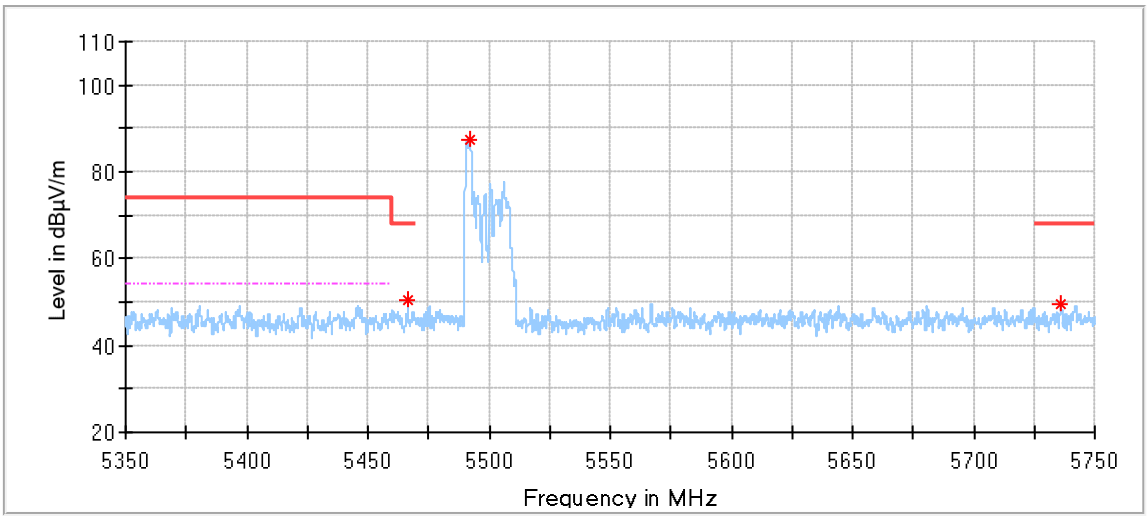
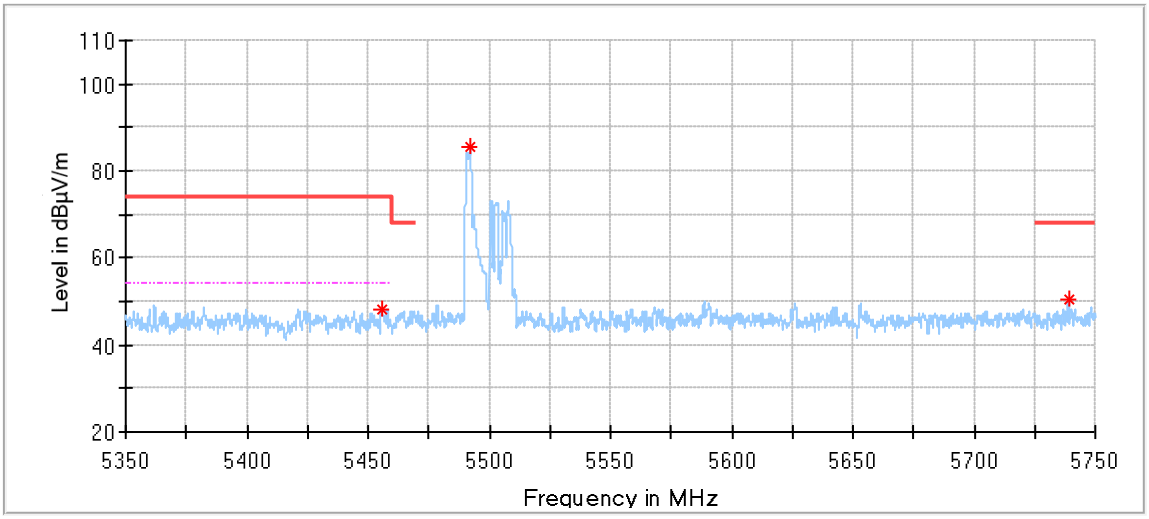


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5466.633333	50.28	68.20	17.92	150.0	H	69.0	4.85	Spurious
5492.166667	87.45	---	---	150.0	H	313.0	4.94	Fundamental Frequency
5735.933333	49.38	68.20	18.82	150.0	H	298.0	4.81	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5455.700000	48.15	74.00	25.85	150.0	V	144.0	4.73	Spurious
5492.033333	85.32	---	---	150.0	V	152.0	4.94	Fundamental Frequency
5738.966667	50.26	68.20	17.94	150.0	V	137.0	4.82	Spurious

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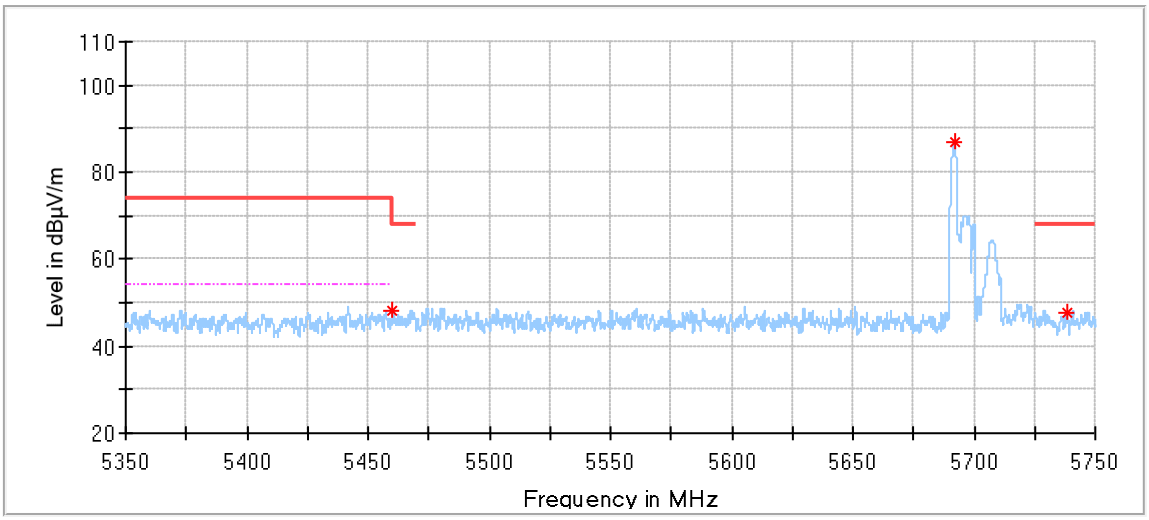
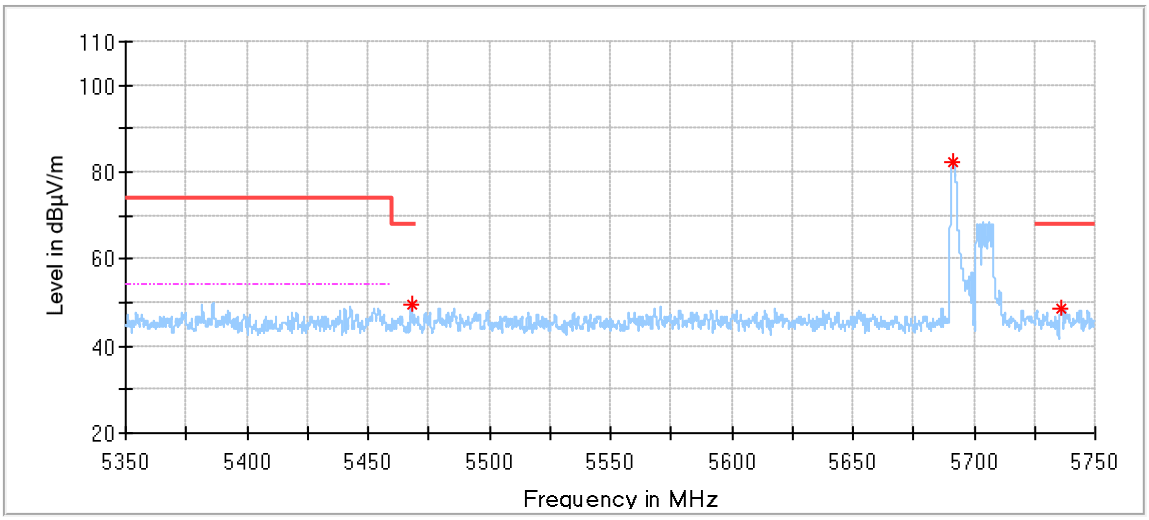


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5460.266667	48.12	68.20	20.08	150.0	H	0.0	4.78	Spurious
5692.066667	87.09	---	---	150.0	H	269.0	4.76	Fundamental Frequency
5738.066667	47.83	68.20	20.37	150.0	H	309.0	4.81	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5467.866667	49.45	68.20	18.75	150.0	V	222.0	4.86	Spurious
5691.333333	82.28	---	---	150.0	V	3.0	4.76	Fundamental Frequency
5736.033333	48.47	68.20	19.73	150.0	V	222.0	4.81	Spurious

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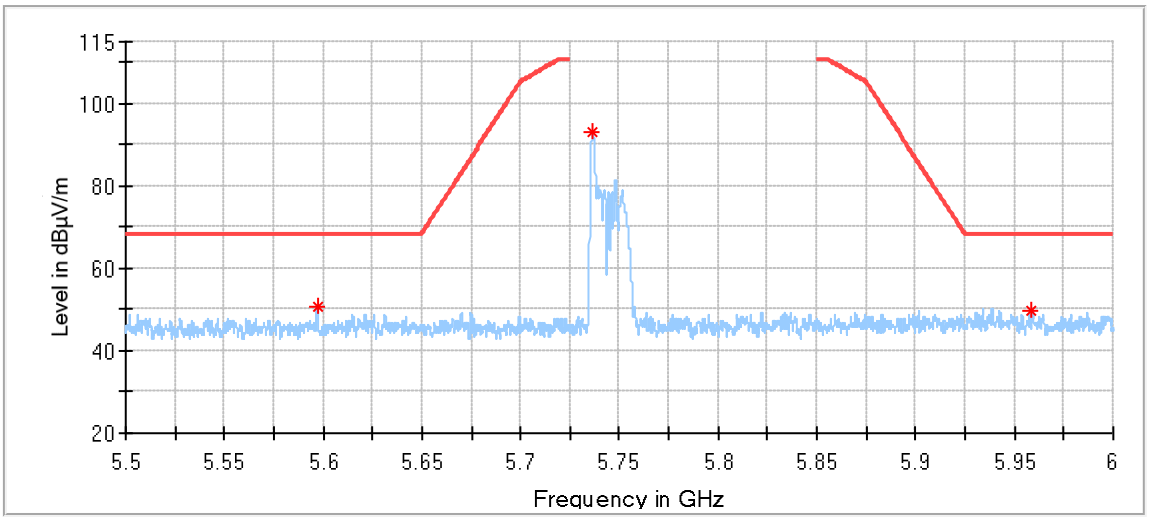
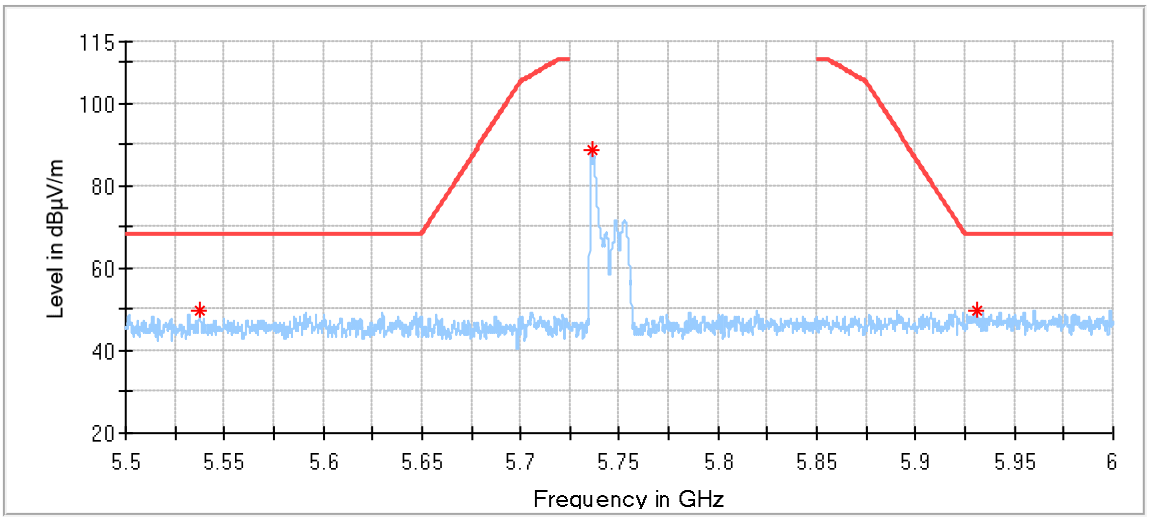


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5596.916667	50.60	68.20	17.60	150.0	H	326.0	4.71	Spurious
5736.166667	93.00	---	---	150.0	H	289.0	4.81	Fundamental Frequency
5958.833333	49.70	68.20	18.50	150.0	H	39.0	5.76	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5537.416667	49.84	68.20	18.36	150.0	V	89.0	4.64	Spurious
5735.958333	88.91	---	---	150.0	V	359.0	4.81	Fundamental Frequency
5931.250000	49.54	68.20	18.66	150.0	V	34.0	5.69	Spurious

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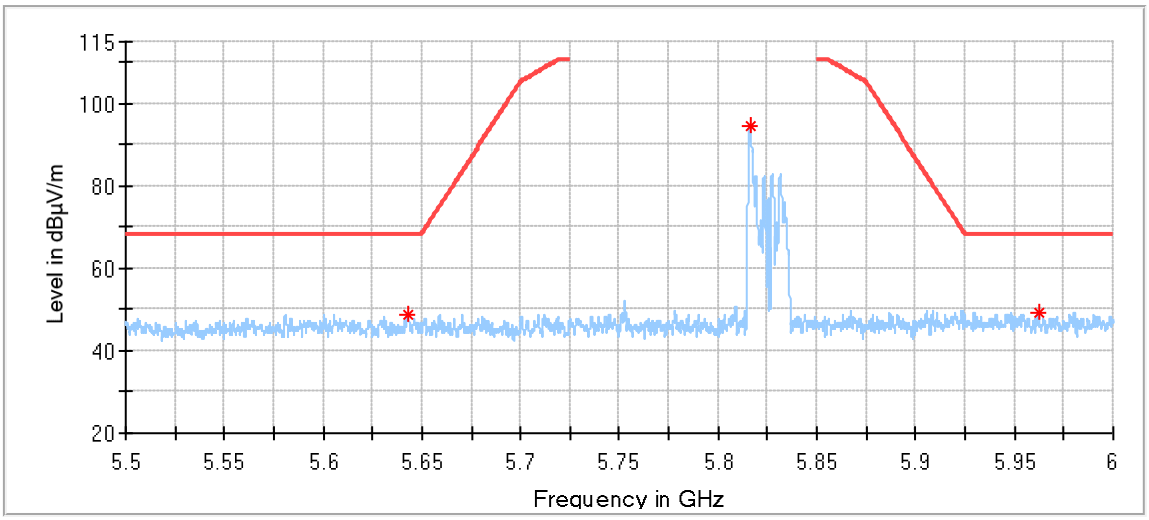
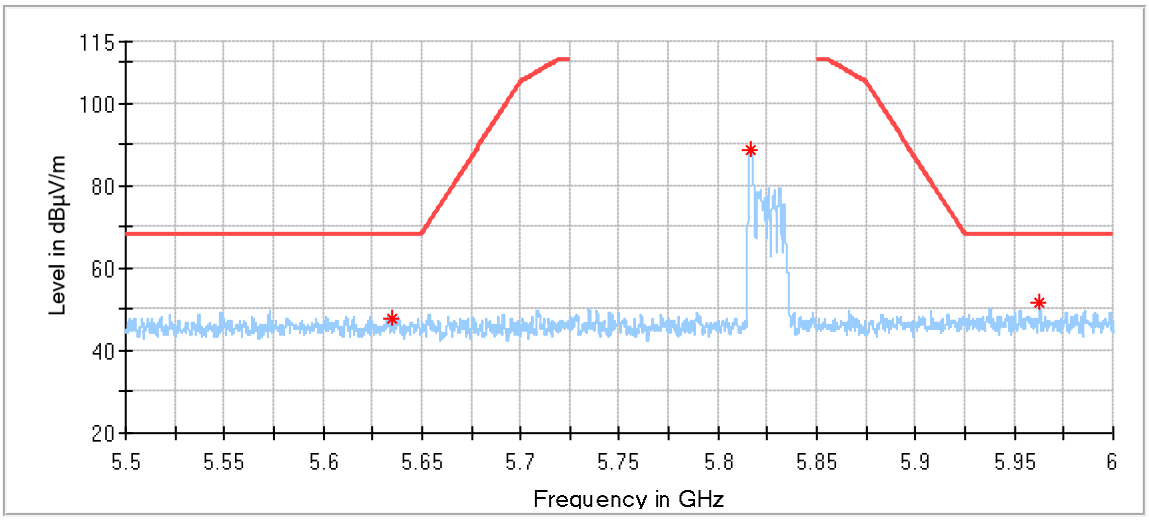


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5642.583333	48.60	68.20	19.60	150.0	H	293.0	4.73	Spurious
5816.000000	94.35	---	---	150.0	H	293.0	5.23	Fundamental Frequency
5962.125000	49.39	68.20	18.81	150.0	H	73.0	5.78	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5634.833333	47.78	68.20	20.42	150.0	V	308.0	4.72	Spurious
5816.791667	88.82	---	---	150.0	V	168.0	5.23	Fundamental Frequency
5962.625000	51.66	68.20	16.54	150.0	V	168.0	5.78	Spurious

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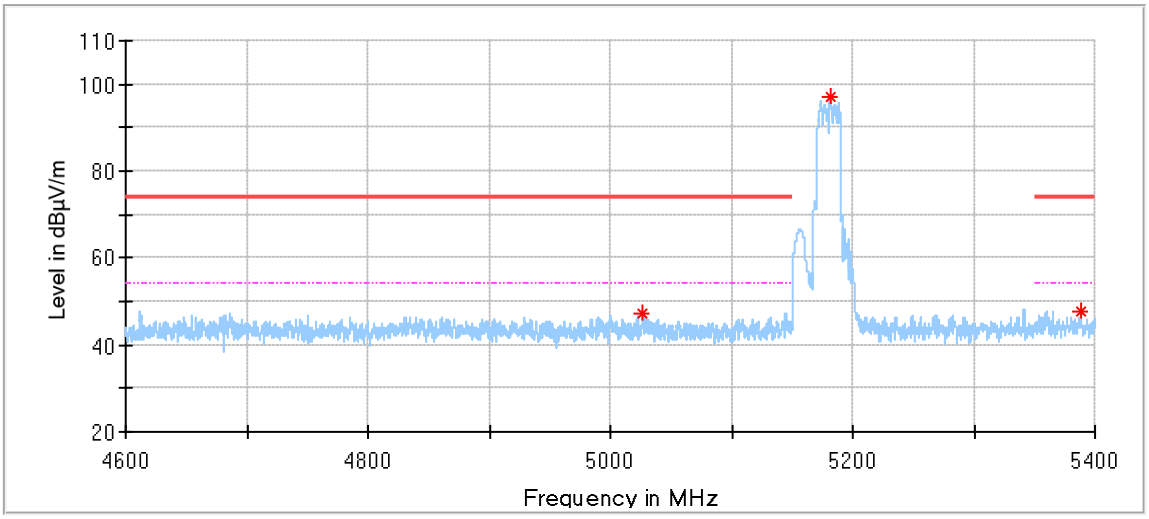
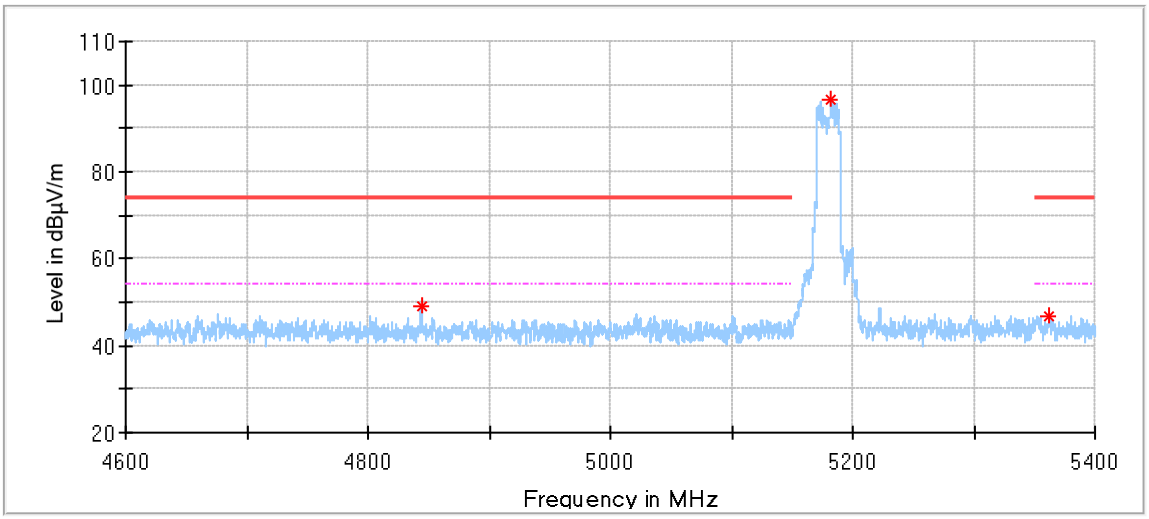


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5027.133333	47.13	74.00	26.87	150.0	H	358.0	3.40	Spurious
5181.000000	96.86	---	---	150.0	H	313.0	3.83	Fundamental Frequency
5388.000000	47.85	74.00	26.15	150.0	H	144.0	4.31	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4843.933333	48.87	74.00	25.13	150.0	V	1.0	3.27	Spurious
5182.133333	96.42	---	---	150.0	V	192.0	3.83	Fundamental Frequency
5362.133333	46.56	74.00	27.44	150.0	V	170.0	4.26	Spurious

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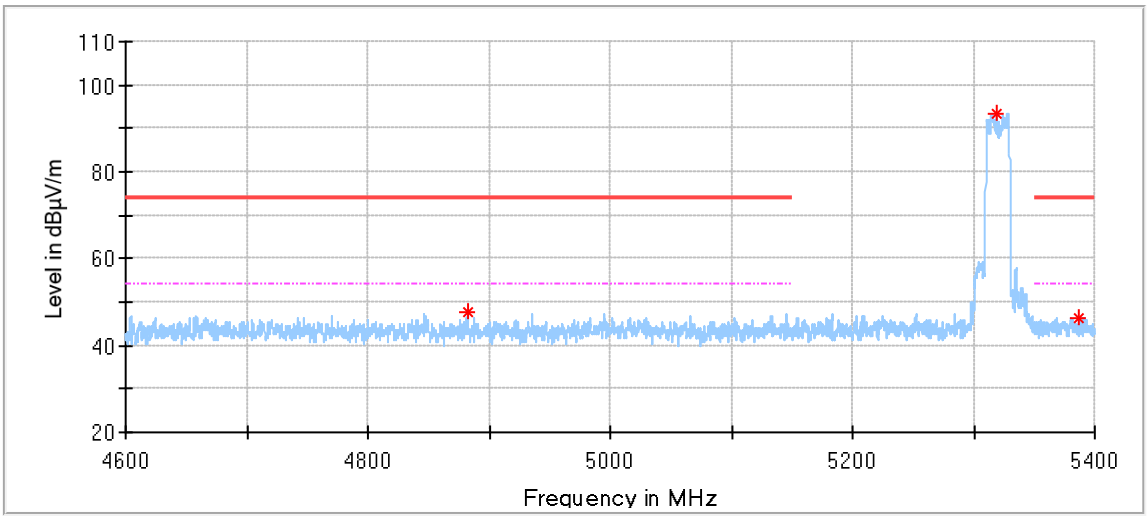
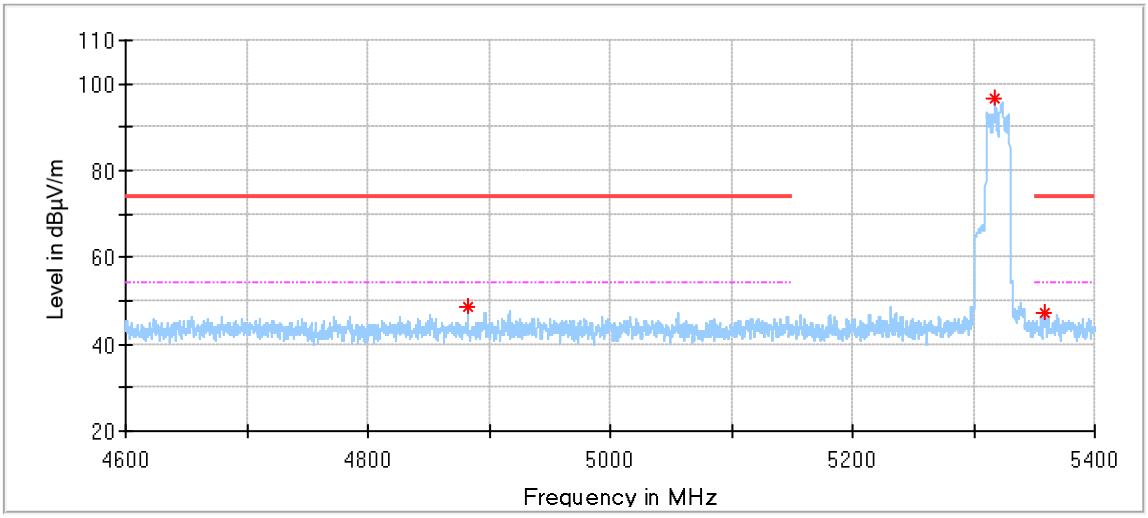


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4882.133333	47.78	74.00	26.22	150.0	H	42.0	3.29	Spurious
5319.066667	93.34	---	---	150.0	H	342.0	4.25	Fundamental Frequency
5387.400000	46.30	74.00	27.70	150.0	H	93.0	4.30	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4882.933333	48.77	74.00	25.23	150.0	V	215.0	3.29	Spurious
5317.666667	96.62	---	---	150.0	V	175.0	4.24	Fundamental Frequency
5359.333333	47.09	74.00	26.91	150.0	V	333.0	4.26	Spurious

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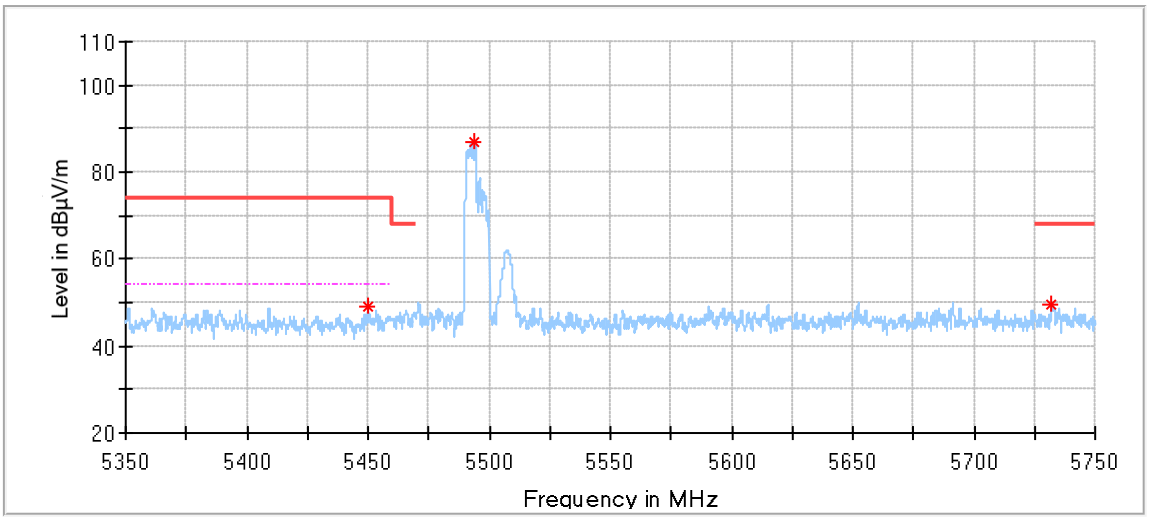
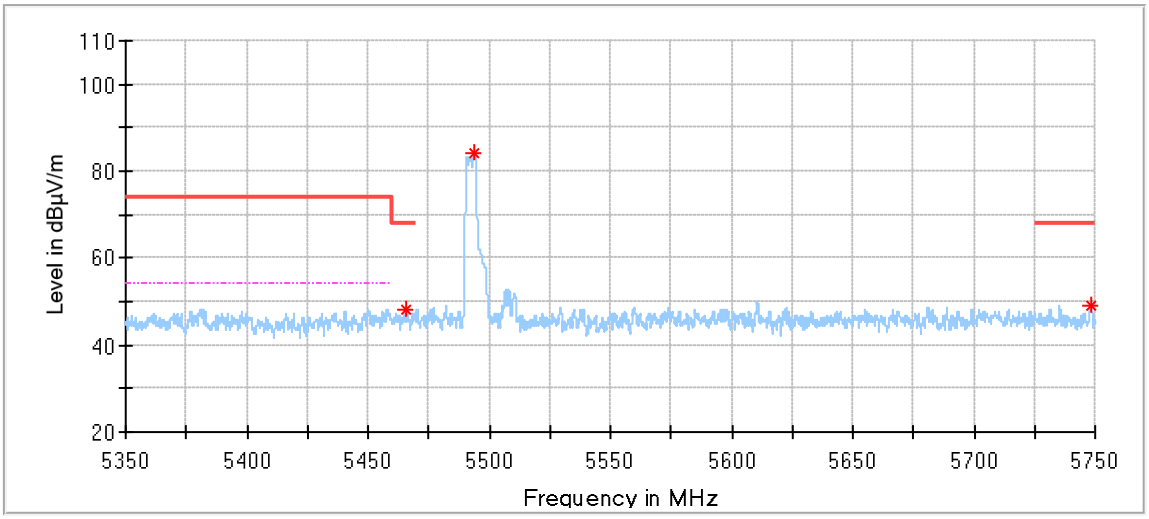


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5450.000000	49.17	74.00	24.83	150.0	H	355.0	4.68	Spurious
5494.133333	86.88	---	---	150.0	H	359.0	4.93	Fundamental Frequency
5732.033333	49.75	68.20	18.45	150.0	H	286.0	4.81	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5465.933333	48.34	68.20	19.86	150.0	V	92.0	4.84	Spurious
5494.133333	84.33	---	---	150.0	V	165.0	4.93	Fundamental Frequency
5748.300000	49.18	68.20	19.02	150.0	V	347.0	4.83	Spurious

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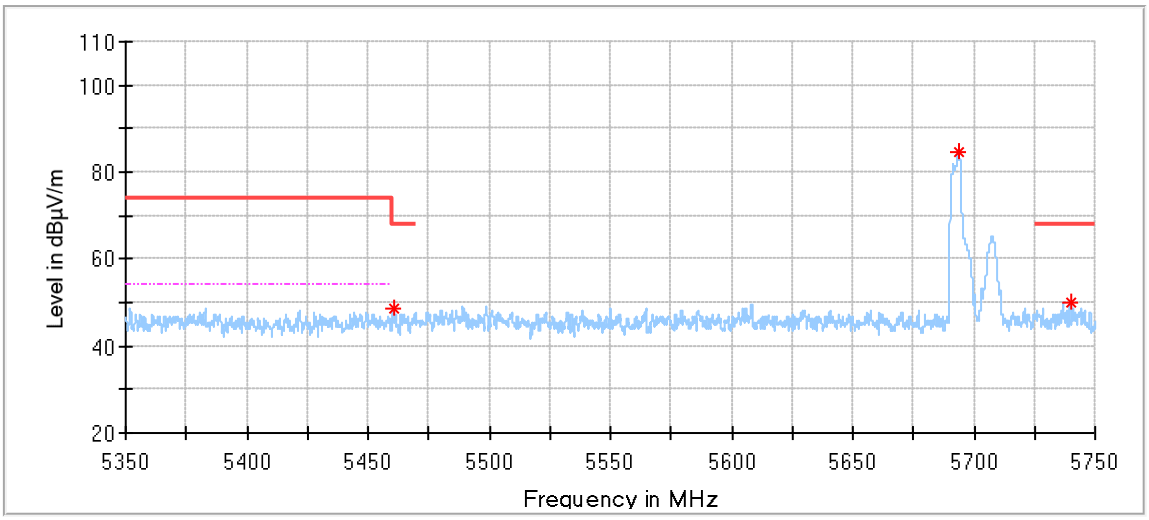
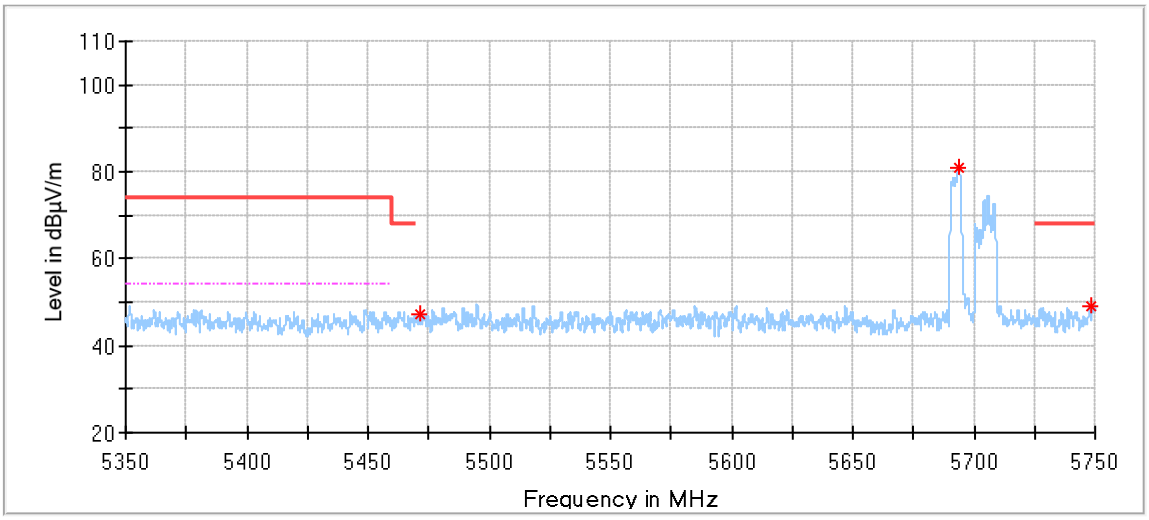


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5460.466667	48.63	68.20	19.57	150.0	H	235.0	4.78	Spurious
5693.666667	84.76	---	---	150.0	H	304.0	4.76	Fundamental Frequency
5739.866667	50.07	68.20	18.13	150.0	H	69.0	4.82	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5471.233333	47.07	---	---	150.0	V	246.0	4.89	Spurious
5693.966667	80.88	---	---	150.0	V	276.0	4.76	Fundamental Frequency
5748.700000	49.12	68.20	19.08	150.0	V	132.0	4.83	Spurious

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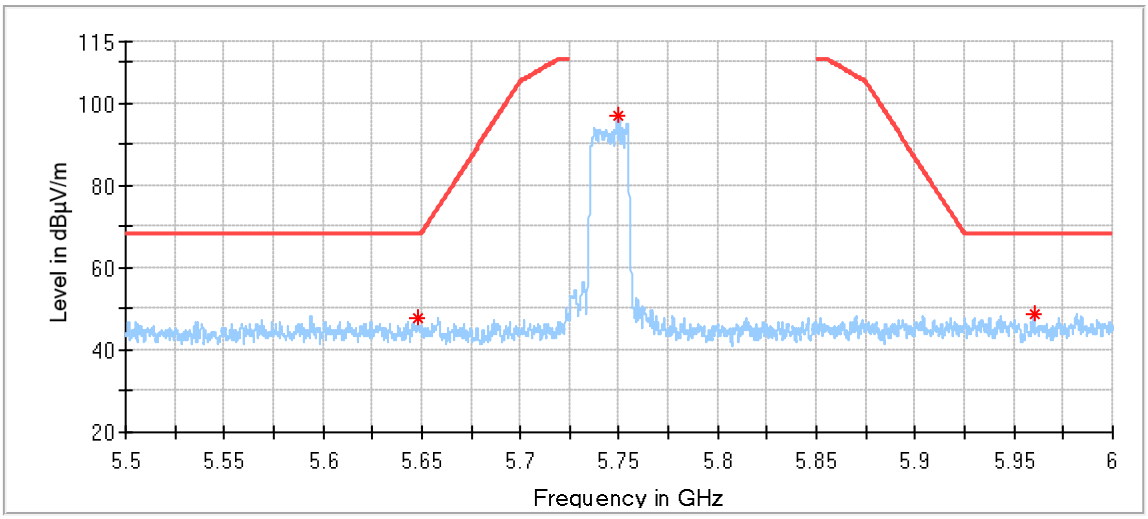
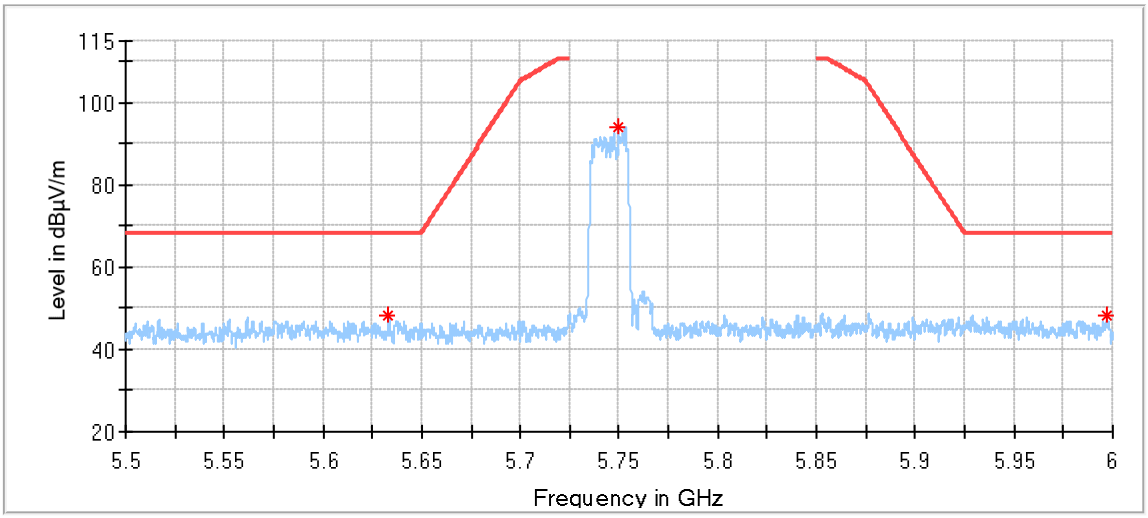


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5647.916667	47.55	68.20	20.65	150.0	H	245.0	4.73	Spurious
5749.000000	97.11	---	---	150.0	H	318.0	4.83	Fundamental Frequency
5960.125000	48.82	68.20	19.38	150.0	H	25.0	5.77	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5633.333333	48.06	68.20	20.14	150.0	V	13.0	4.72	Spurious
5749.958333	94.20	---	---	150.0	V	4.0	4.83	Fundamental Frequency
5996.916667	48.45	68.20	19.75	150.0	V	358.0	5.93	Spurious

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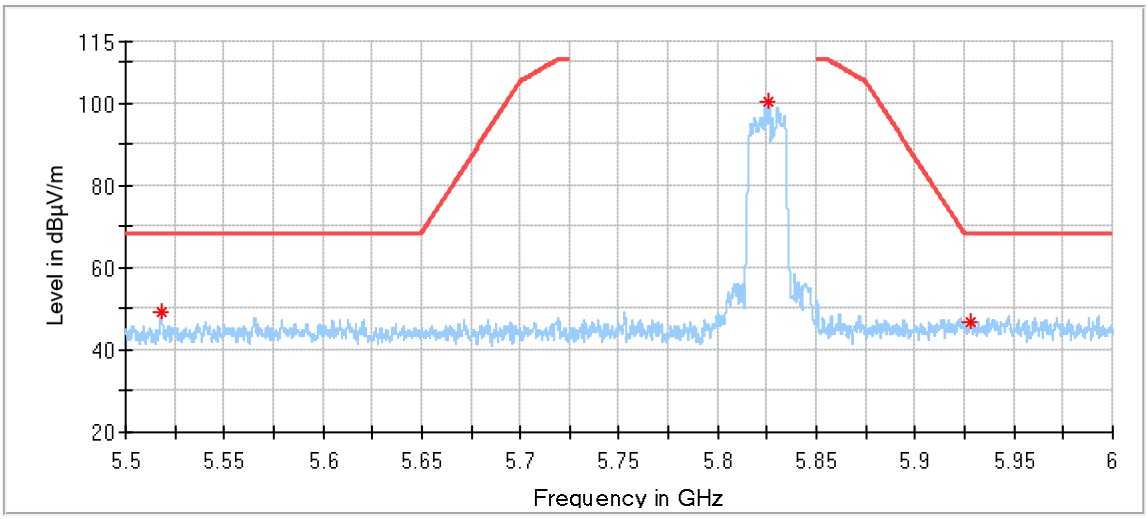
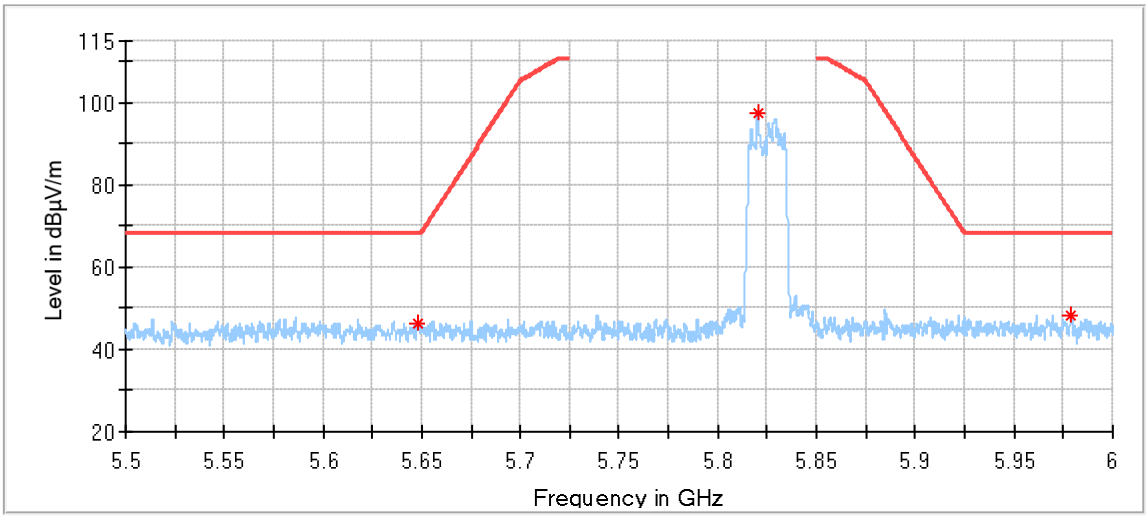


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5518.083333	49.42	68.20	18.78	150.0	H	316.0	4.77	Spurious
5825.833333	100.34	---	---	150.0	H	272.0	5.28	Fundamental Frequency
5928.375000	46.94	68.20	21.26	150.0	H	316.0	5.68	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5648.291667	46.18	68.20	22.02	150.0	V	110.0	4.73	Spurious
5820.208333	97.45	---	---	150.0	V	252.0	5.26	Fundamental Frequency
5978.583333	48.45	68.20	19.75	150.0	V	36.0	5.85	Spurious

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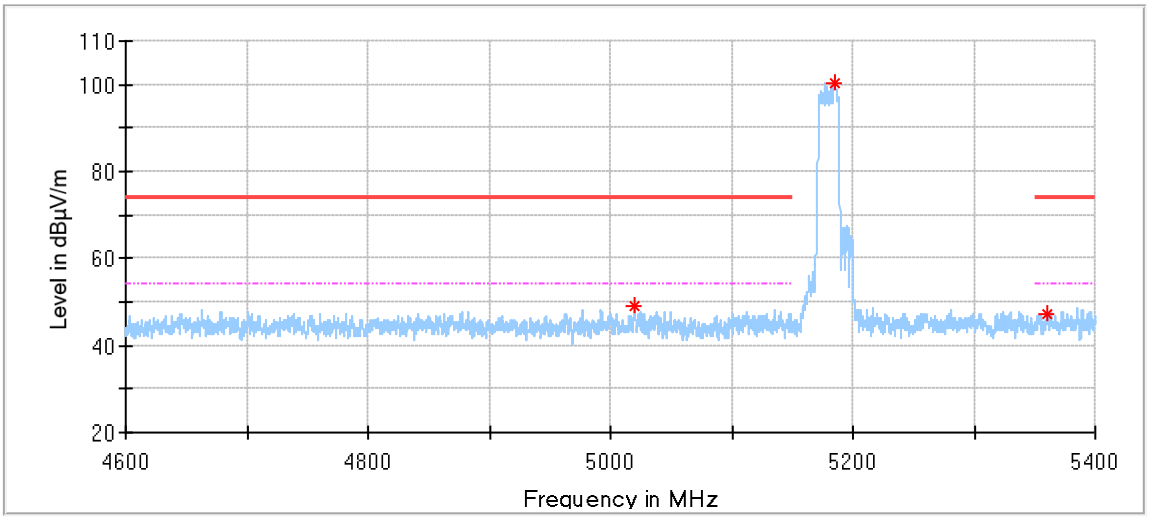
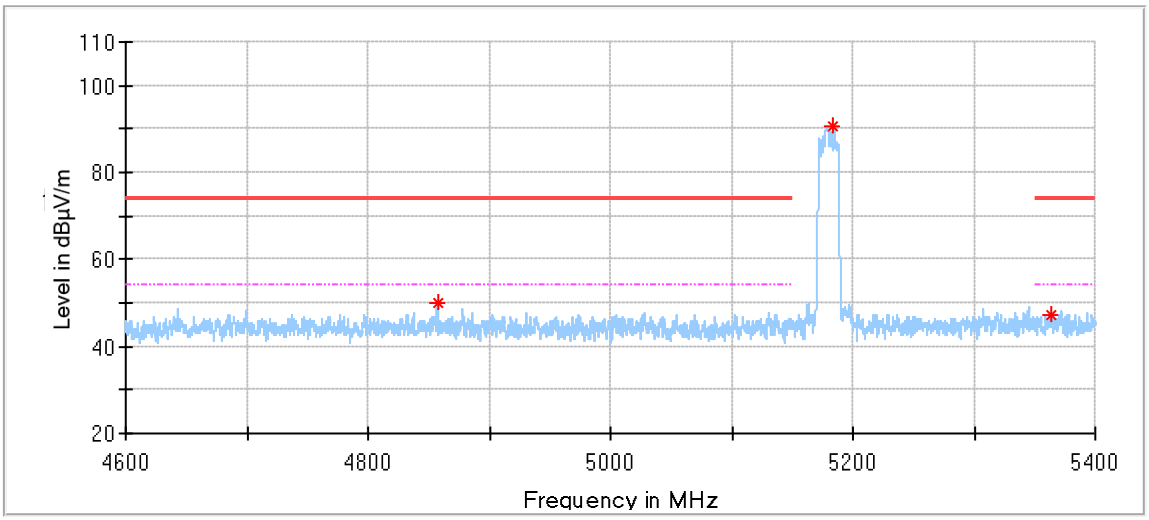


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5019.800000	49.14	74.00	24.86	150.0	H	243.0	3.43	Spurious
5184.400000	100.23	---	---	150.0	H	214.0	3.84	Fundamental Frequency
5361.000000	47.36	74.00	26.64	150.0	H	236.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4857.466667	49.92	74.00	24.08	150.0	V	357.0	3.29	Spurious
5184.066667	90.51	---	---	150.0	V	122.0	3.84	Fundamental Frequency
5364.066667	47.12	74.00	26.88	150.0	V	236.0	4.26	Spurious

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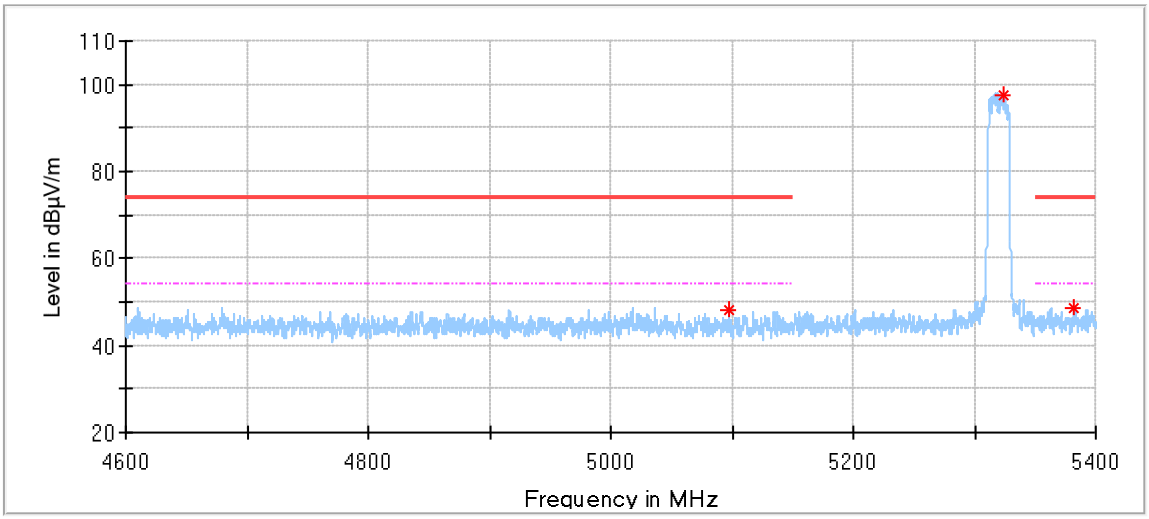
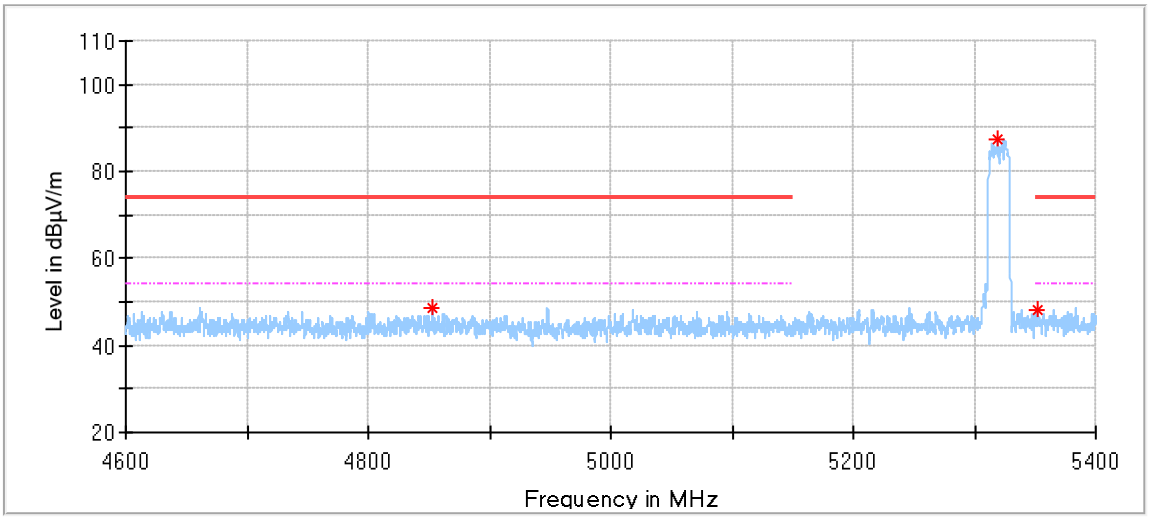


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5097.333333	48.04	74.00	25.96	150.0	H	183.0	3.60	Spurious
5323.200000	97.58	---	---	150.0	H	197.0	4.25	Fundamental Frequency
5381.333333	48.71	74.00	25.29	150.0	H	36.0	4.28	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4852.600000	48.79	74.00	25.21	150.0	V	331.0	3.29	Spurious
5318.866667	87.31	---	---	150.0	V	111.0	4.25	Fundamental Frequency
5352.400000	48.25	74.00	25.75	150.0	V	133.0	4.26	Spurious

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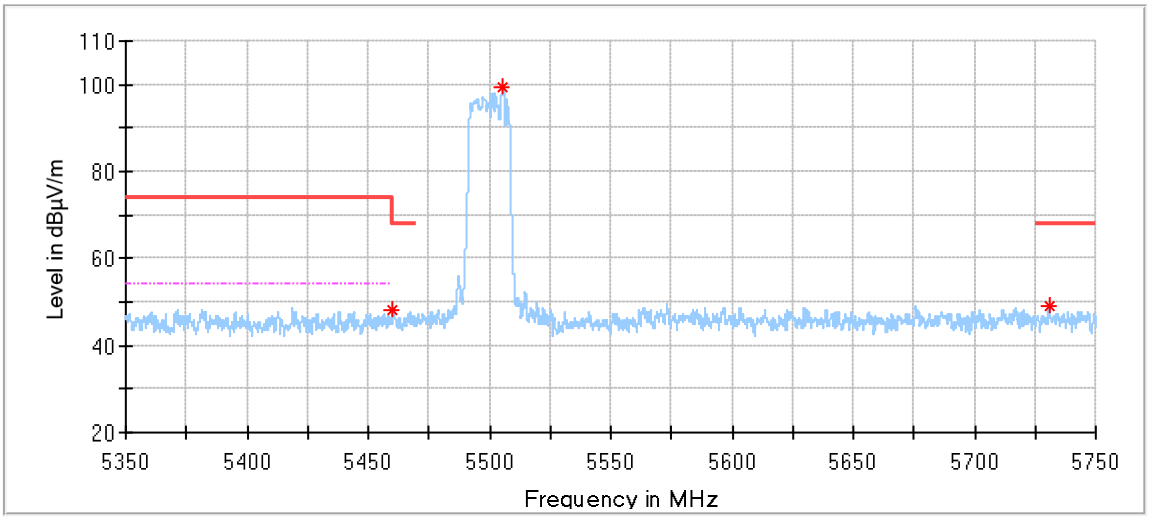
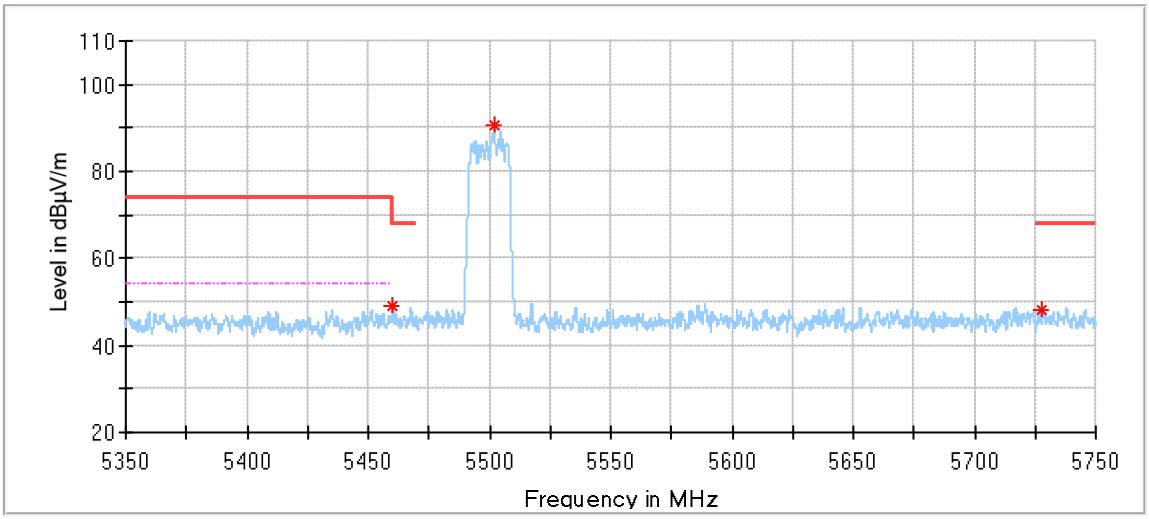


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5460.266667	48.10	68.20	20.10	150.0	H	0.0	4.78	Spurious
5505.633333	99.42	---	---	150.0	H	198.0	4.85	Fundamental Frequency
5730.800000	48.91	68.20	19.30	150.0	H	8.0	4.80	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5460.133333	48.92	68.20	19.28	150.0	V	106.0	4.78	Spurious
5501.933333	90.41	---	---	150.0	V	118.0	4.87	Fundamental Frequency
5727.766667	48.35	68.20	19.85	150.0	V	77.0	4.80	Spurious

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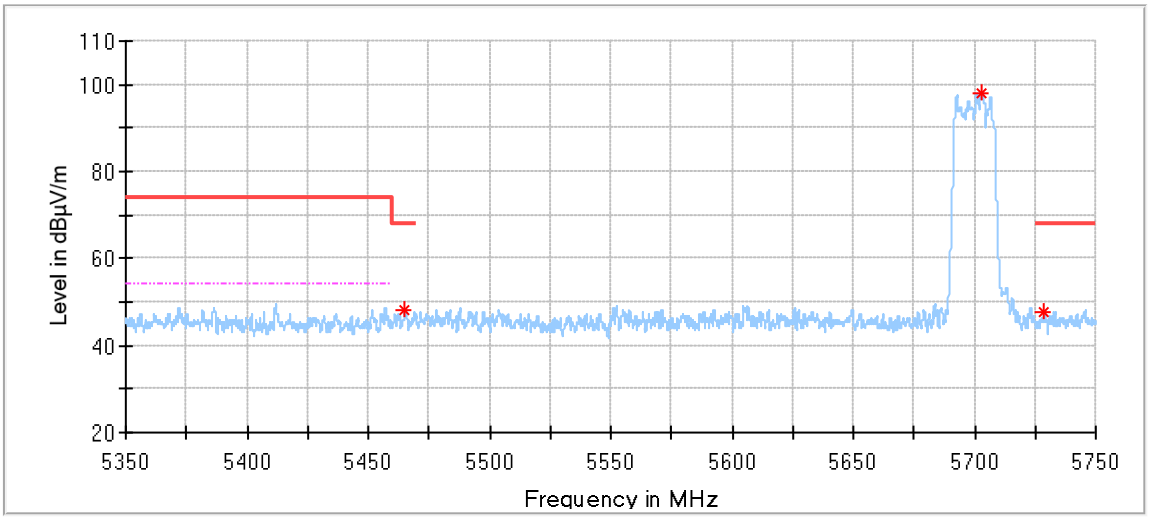
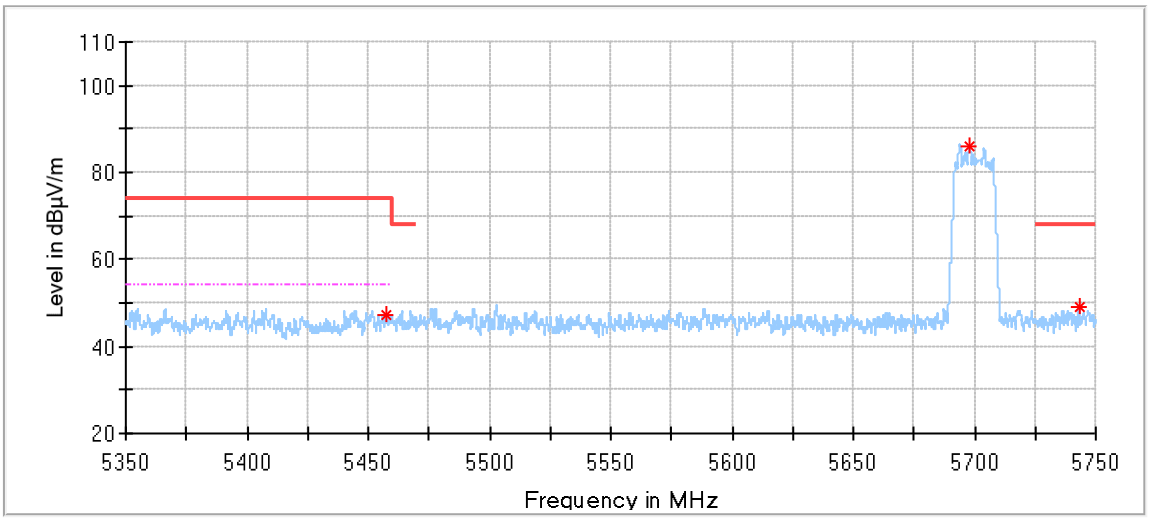
802.11a_5700_ANT2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5465.000000	48.30	68.20	19.90	150.0	H	114.0	4.83	Spurious
5703.233333	98.10	---	---	150.0	H	198.0	4.77	Fundamental Frequency
5728.766667	47.61	68.20	20.59	150.0	H	1.0	4.80	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5457.200000	47.32	74.00	26.68	150.0	V	102.0	4.75	Spurious
5697.766667	85.77	---	---	150.0	V	327.0	4.76	Fundamental Frequency
5743.133333	48.88	68.20	19.32	150.0	V	327.0	4.82	Spurious

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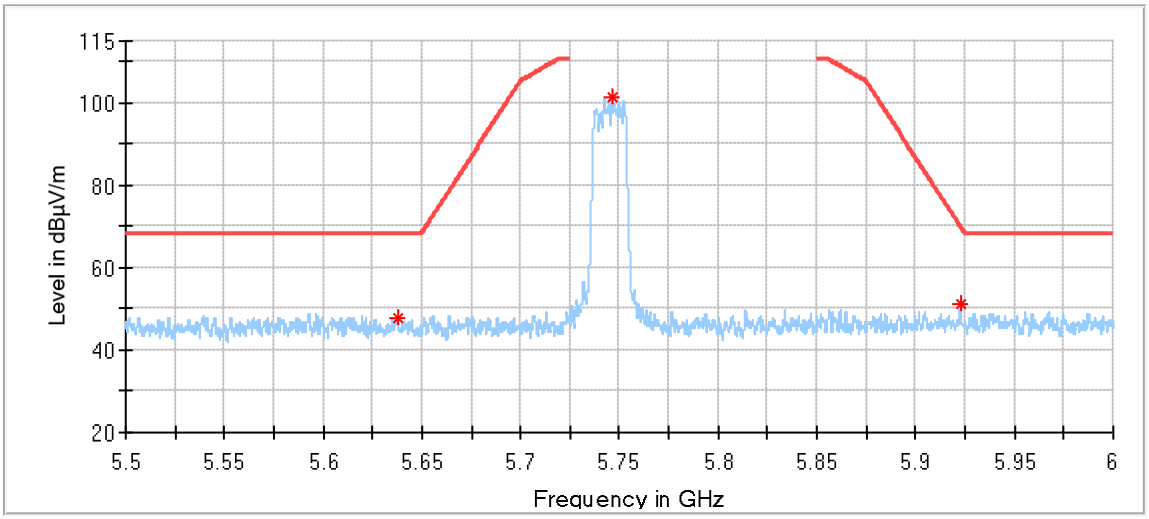
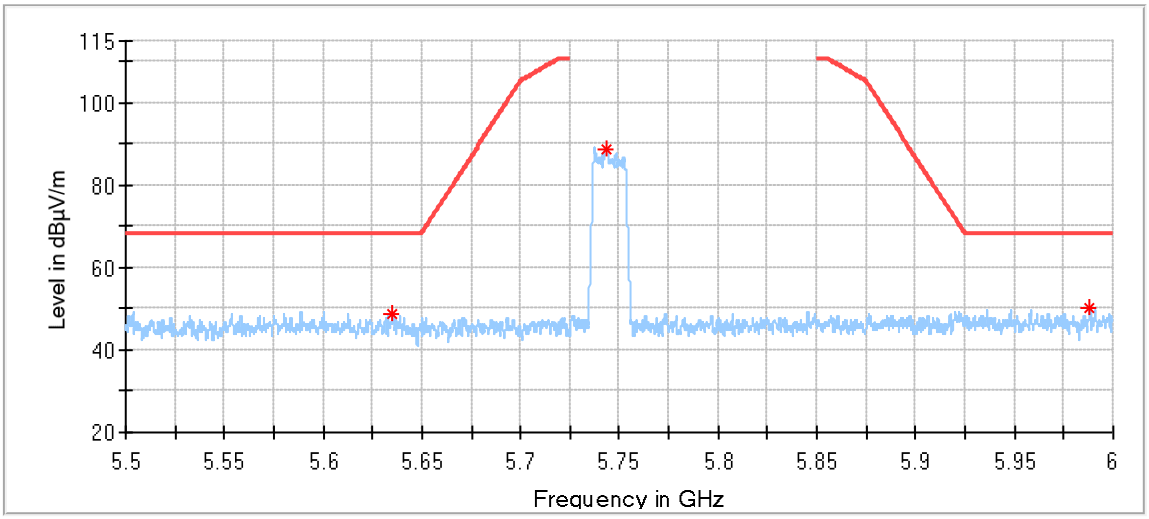


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5637.458333	47.77	68.20	20.43	150.0	H	77.0	4.72	Spurious
5746.166667	101.24	---	---	150.0	H	187.0	4.83	Fundamental Frequency
5922.541667	51.14	70.02	18.88	150.0	H	114.0	5.67	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5635.083333	48.93	68.20	19.27	150.0	V	114.0	4.72	Spurious
5743.750000	88.69	---	---	150.0	V	129.0	4.82	Fundamental Frequency
5988.125000	50.10	68.20	18.10	150.0	V	230.0	5.89	Spurious

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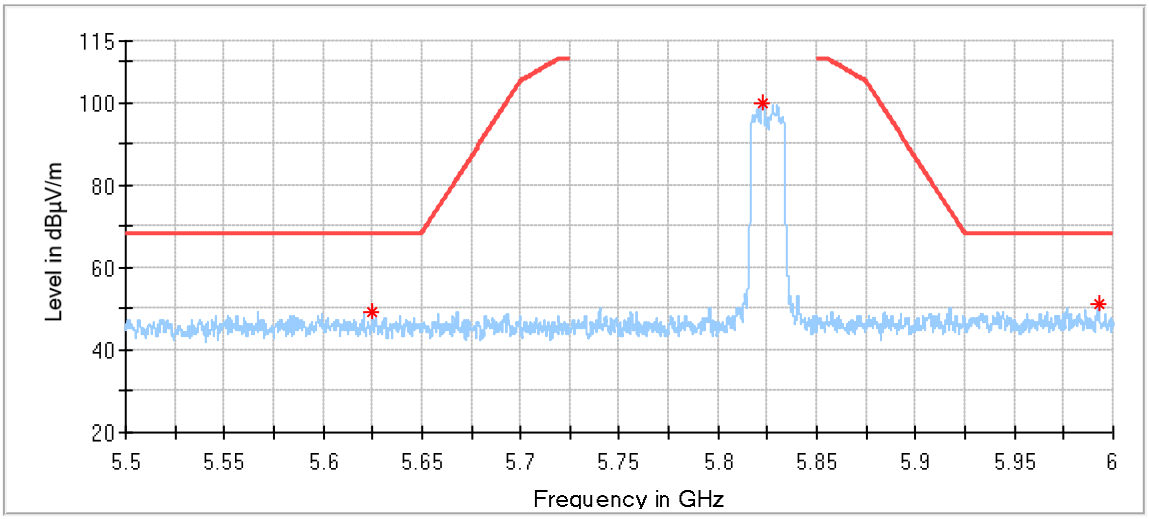
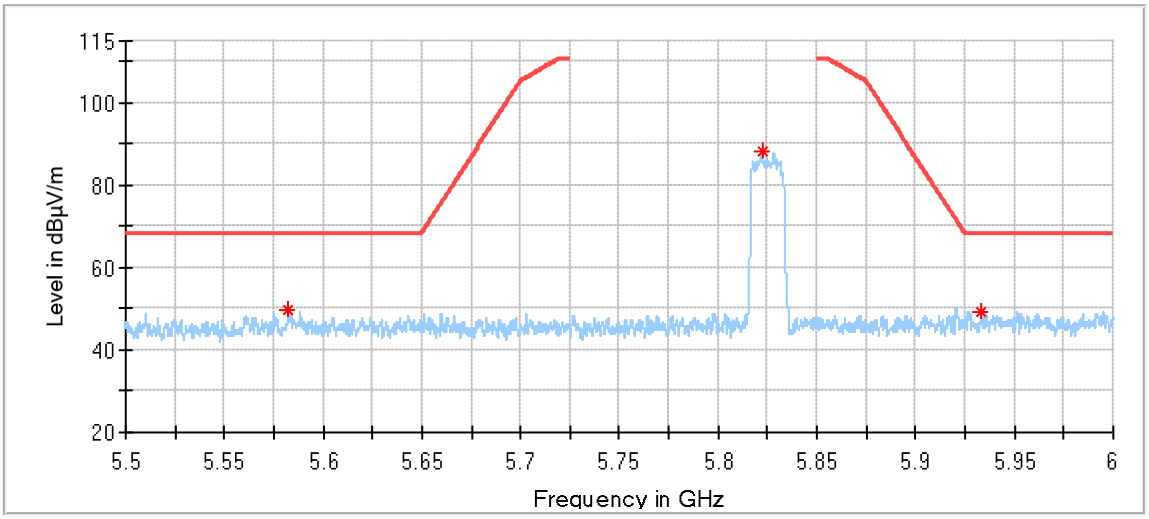


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5624.791667	49.20	68.20	19.00	150.0	H	91.0	4.72	Spurious
5822.458333	100.00	---	---	150.0	H	201.0	5.26	Fundamental Frequency
5992.625000	51.05	68.20	17.15	150.0	H	105.0	5.91	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5582.416667	49.89	68.20	18.31	150.0	V	144.0	4.70	Spurious
5822.041667	87.97	---	---	150.0	V	108.0	5.26	Fundamental Frequency
5933.250000	49.20	68.20	19.00	150.0	V	42.0	5.69	Spurious

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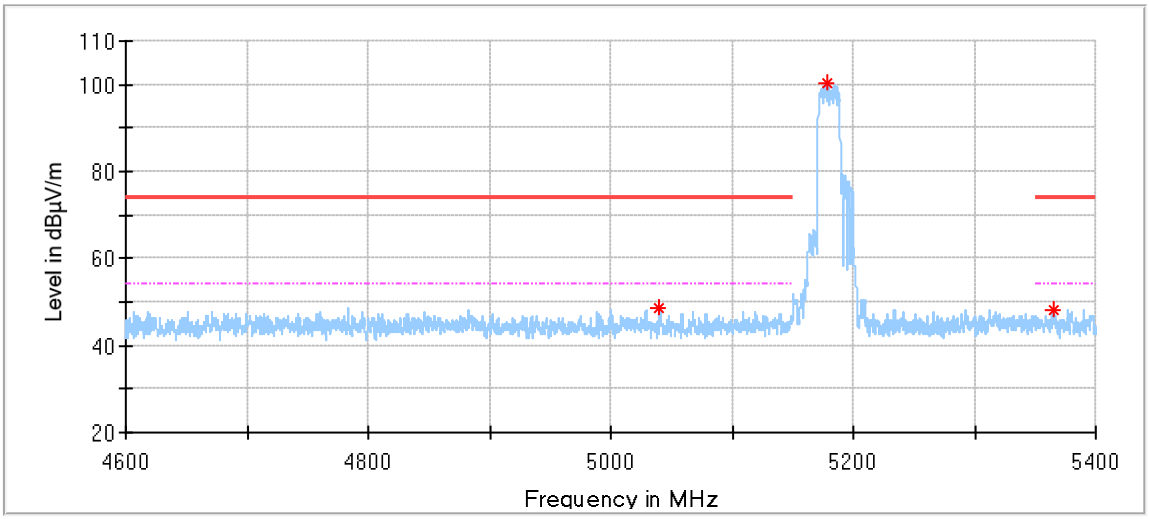
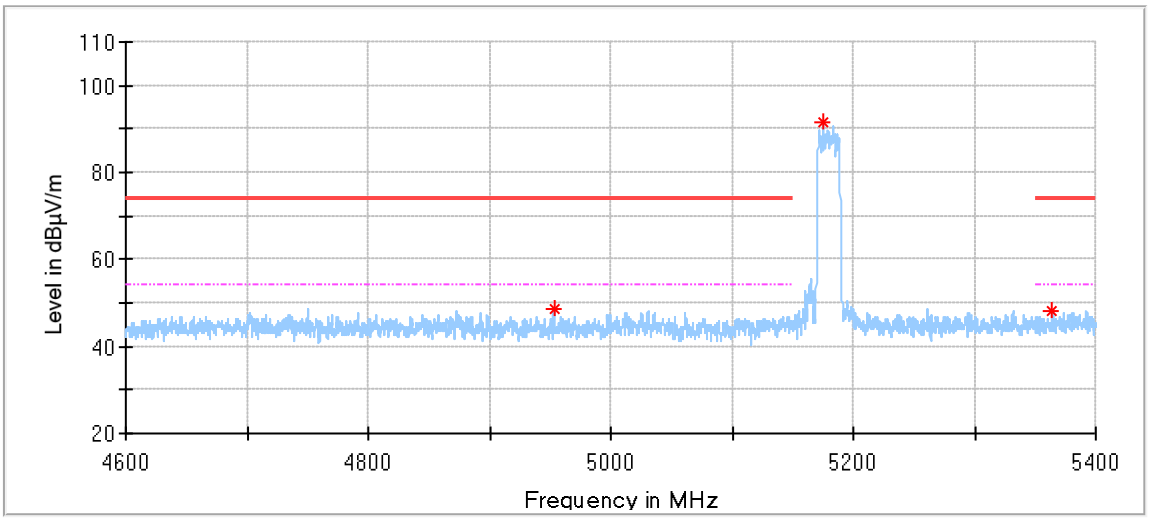


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5039.400000	48.53	74.00	25.47	150.0	H	130.0	3.34	Spurious
5179.200000	100.18	---	---	150.0	H	218.0	3.82	Fundamental Frequency
5365.600000	48.12	74.00	25.88	150.0	H	101.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4953.066667	48.43	74.00	25.57	150.0	V	130.0	3.29	Spurious
5175.066667	91.71	---	---	150.0	V	306.0	3.80	Fundamental Frequency
5364.400000	48.11	74.00	25.89	150.0	V	306.0	4.26	Spurious

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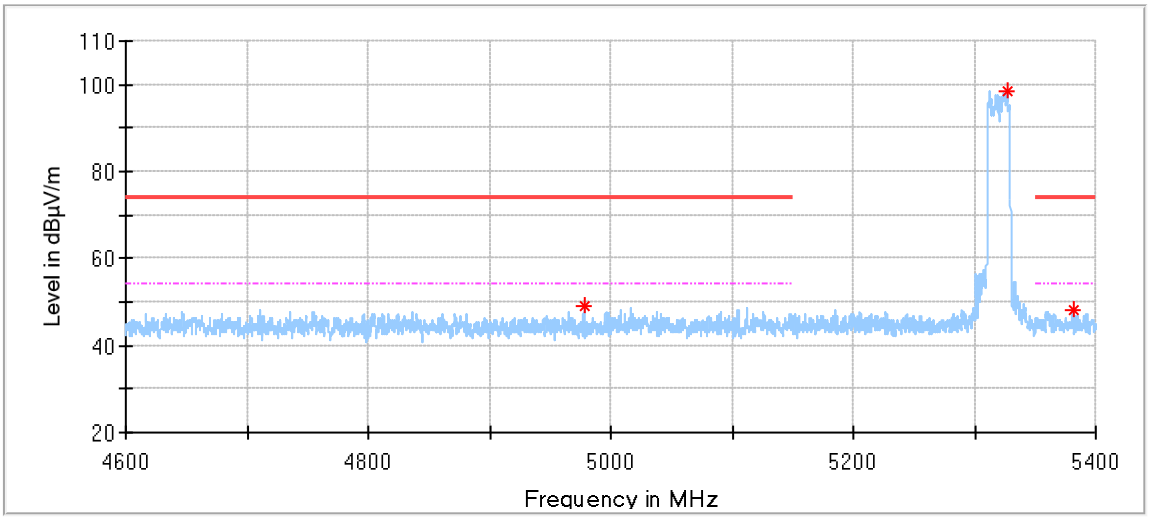
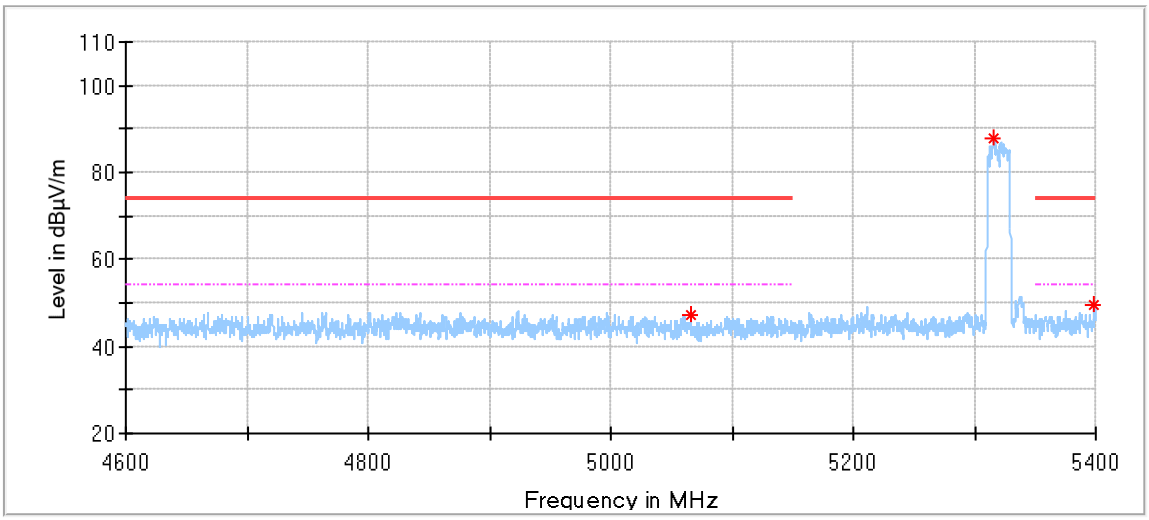


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4978.266667	49.09	74.00	24.91	150.0	H	202.0	3.34	Spurious
5327.000000	98.34	---	---	150.0	H	210.0	4.25	Fundamental Frequency
5381.266667	48.21	74.00	25.79	150.0	H	143.0	4.28	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5066.533333	47.40	74.00	26.60	150.0	V	192.0	3.35	Spurious
5315.533333	88.04	---	---	150.0	V	145.0	4.23	Fundamental Frequency
5399.066667	49.36	74.00	24.64	150.0	V	101.0	4.35	Spurious

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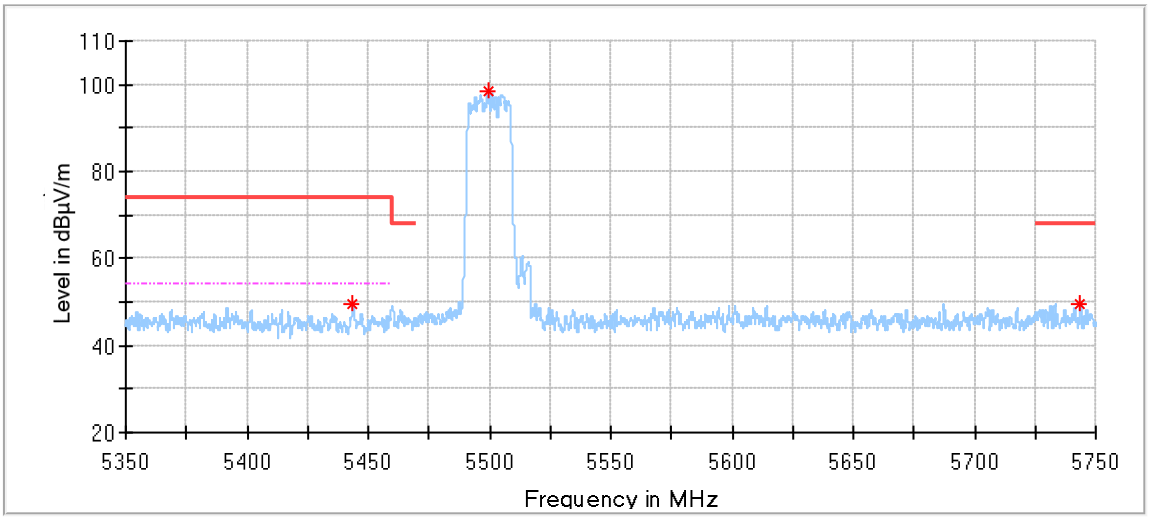
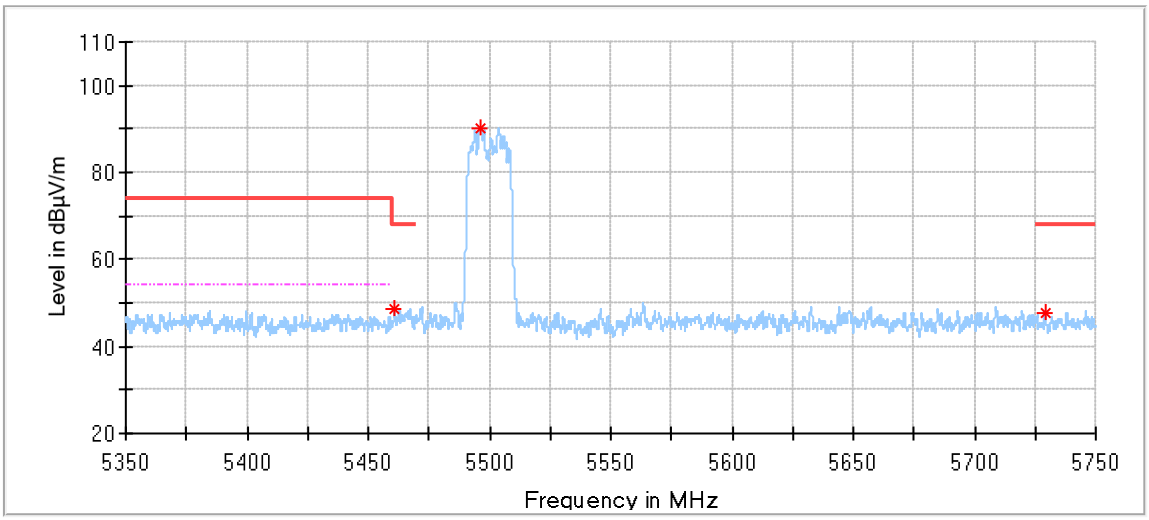


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5443.533333	49.39	74.00	24.61	150.0	H	305.0	4.61	Spurious
5499.900000	98.38	---	---	150.0	H	206.0	4.89	Fundamental Frequency
5743.700000	49.39	68.20	18.81	150.0	H	213.0	4.82	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5460.833333	48.73	68.20	19.47	150.0	V	356.0	4.79	Spurious
5496.433333	90.12	---	---	150.0	V	124.0	4.91	Fundamental Frequency
5729.133333	47.82	68.20	20.38	150.0	V	49.0	4.80	Spurious

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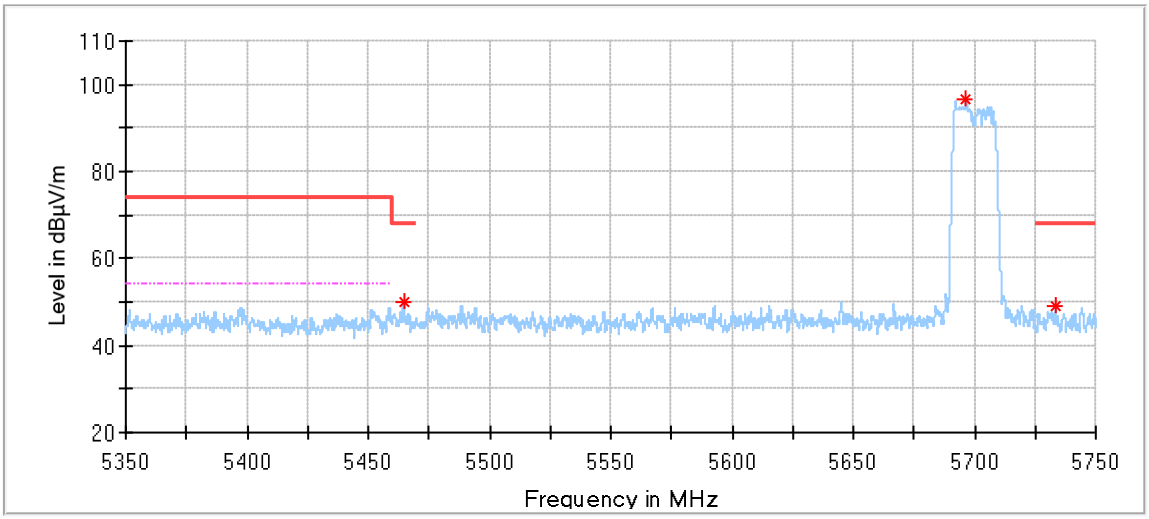
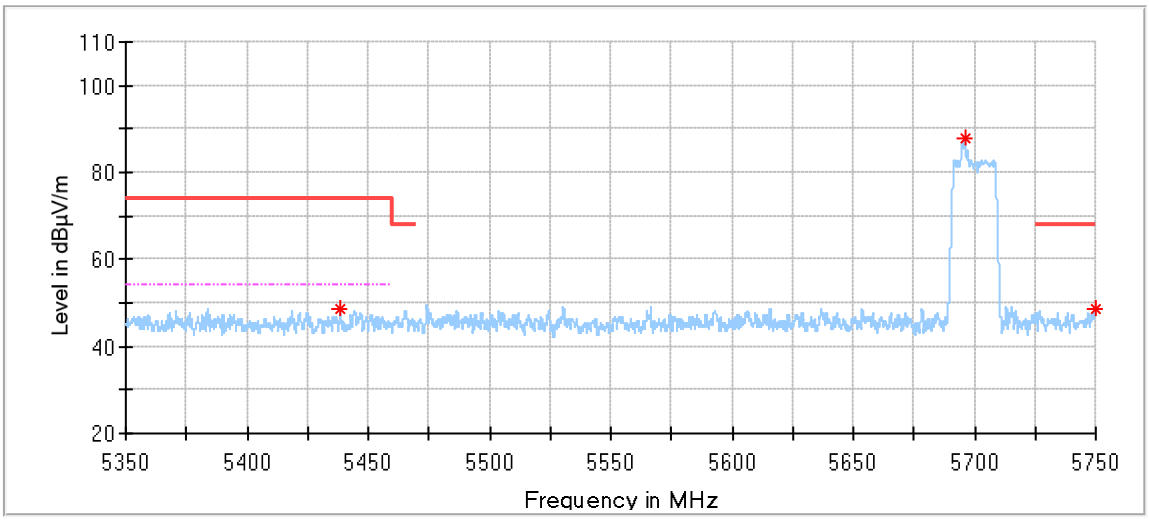


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5464.633333	49.89	68.20	18.31	150.0	H	172.0	4.83	Spurious
5696.600000	96.45	---	---	150.0	H	208.0	4.76	Fundamental Frequency
5733.266667	48.88	68.20	19.32	150.0	H	99.0	4.81	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5438.466667	48.62	74.00	25.38	150.0	V	18.0	4.56	Spurious
5695.933333	87.73	---	---	150.0	V	326.0	4.76	Fundamental Frequency
5749.766667	48.74	68.20	19.46	150.0	V	231.0	4.83	Spurious

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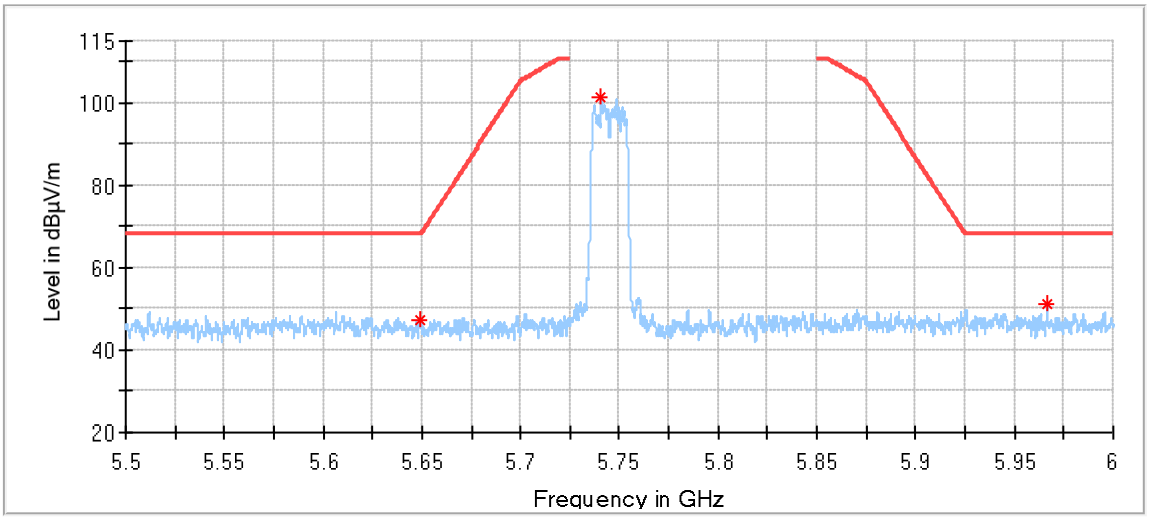
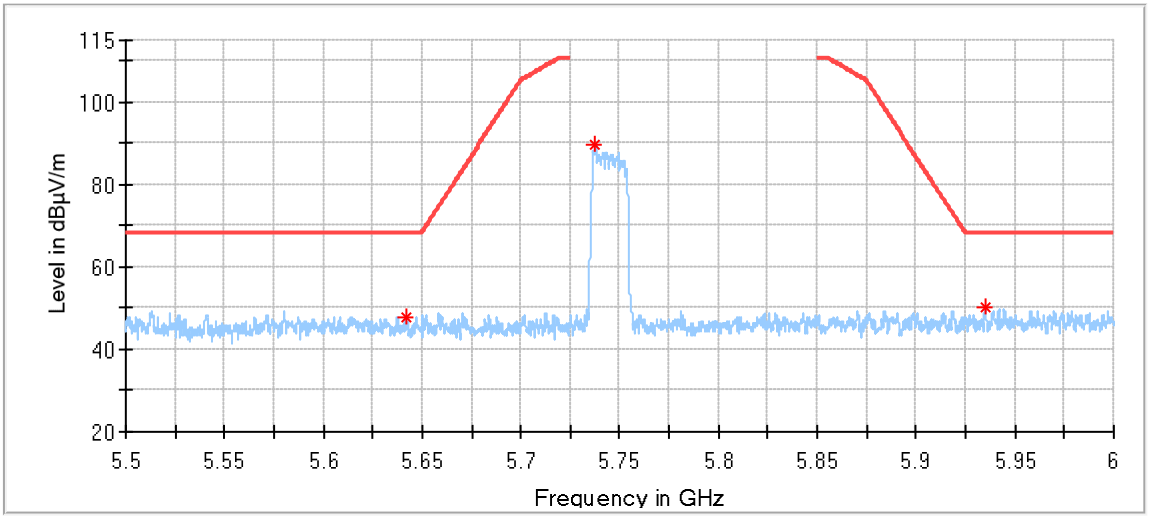


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5648.875000	47.50	68.20	20.70	150.0	H	93.0	4.73	Spurious
5740.583333	101.41	---	---	150.0	H	188.0	4.82	Fundamental Frequency
5966.541667	51.08	68.20	17.12	150.0	H	9.0	5.80	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5641.625000	47.79	68.20	20.41	150.0	V	3.0	4.73	Spurious
5737.708333	89.50	---	---	150.0	V	124.0	4.81	Fundamental Frequency
5934.833333	49.97	68.20	18.23	150.0	V	161.0	5.69	Spurious

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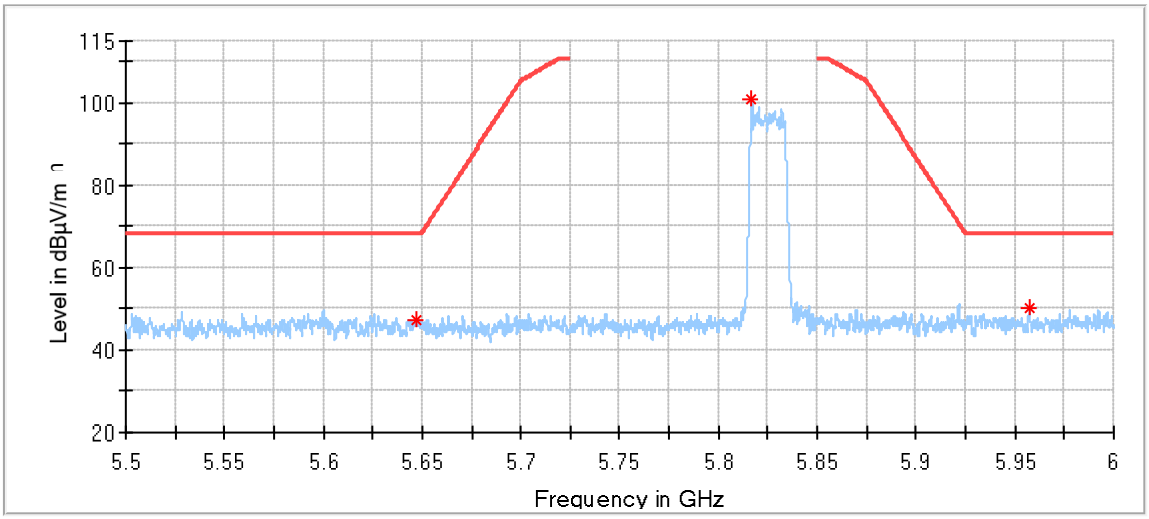
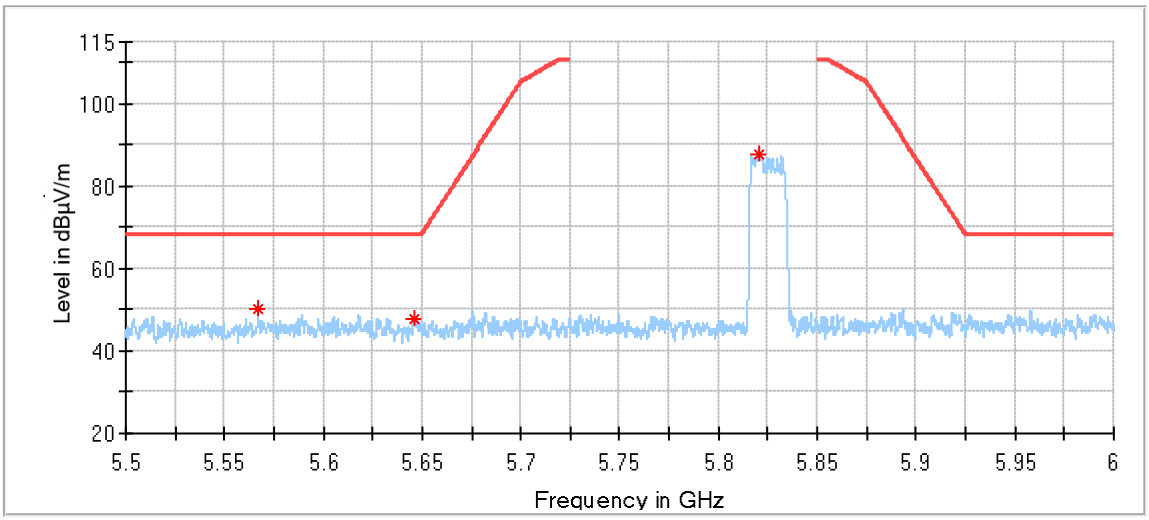


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5646.791667	47.48	68.20	20.72	150.0	H	10.0	4.73	Spurious
5816.916667	100.84	---	---	150.0	H	205.0	5.24	Fundamental Frequency
5957.250000	50.26	68.20	17.94	150.0	H	289.0	5.76	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5566.750000	50.43	68.20	17.77	150.0	V	27.0	4.68	Spurious
5645.625000	47.79	68.20	20.41	150.0	V	174.0	4.73	Fundamental Frequency
5820.833333	87.61	---	---	150.0	V	93.0	5.26	Spurious

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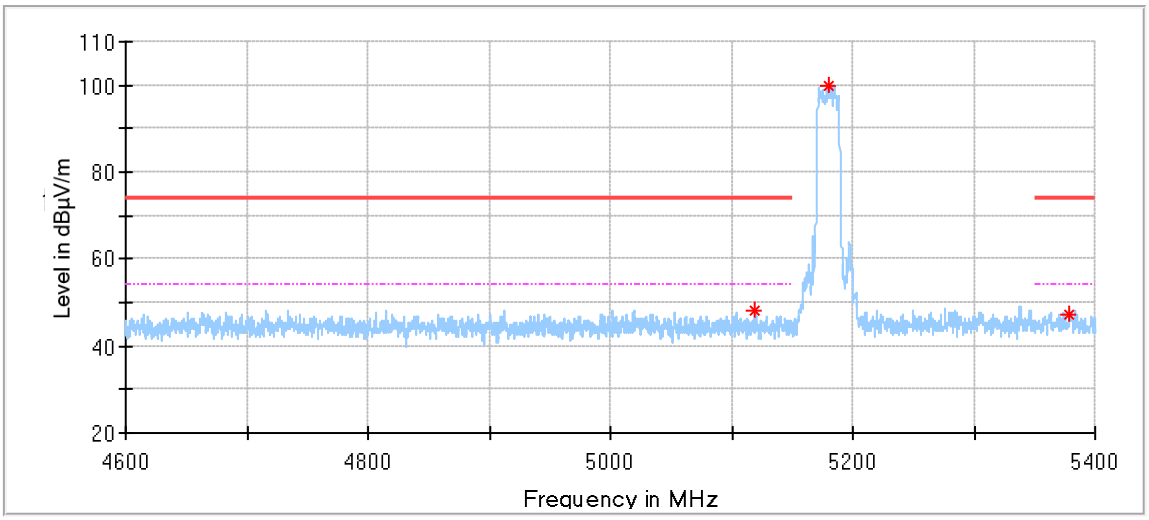
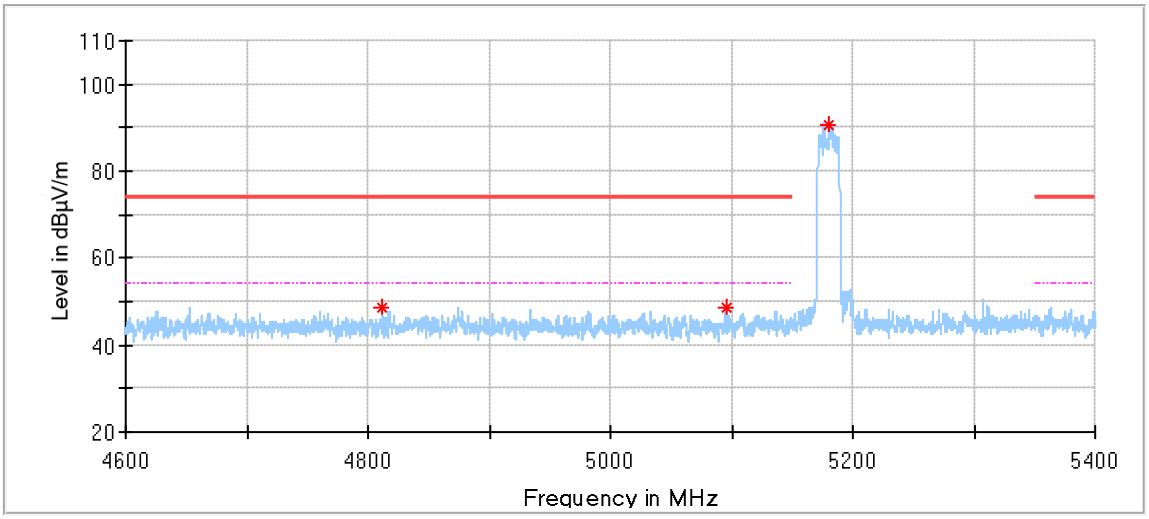


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5119.666667	48.36	74.00	25.64	150.0	H	236.0	3.65	Spurious
5180.800000	99.77	---	---	150.0	H	221.0	3.83	Fundamental Frequency
5378.533333	47.41	74.00	26.59	150.0	H	56.0	4.27	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4811.866667	48.72	74.00	25.28	150.0	V	45.0	3.16	Spurious
5095.333333	48.67	74.00	25.33	150.0	V	1.0	3.58	Fundamental Frequency
5180.800000	90.66	---	---	150.0	V	127.0	3.83	Spurious

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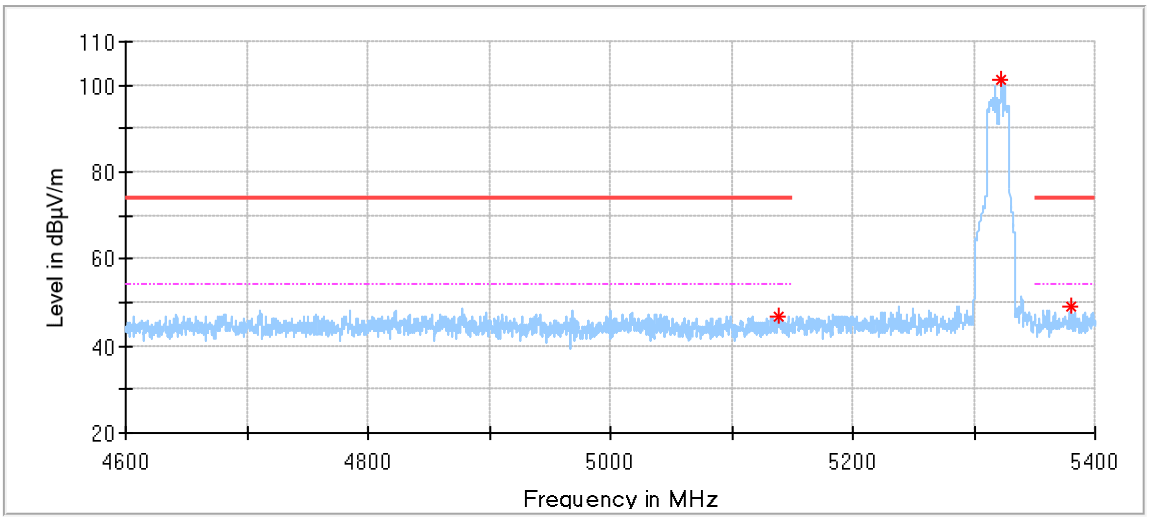
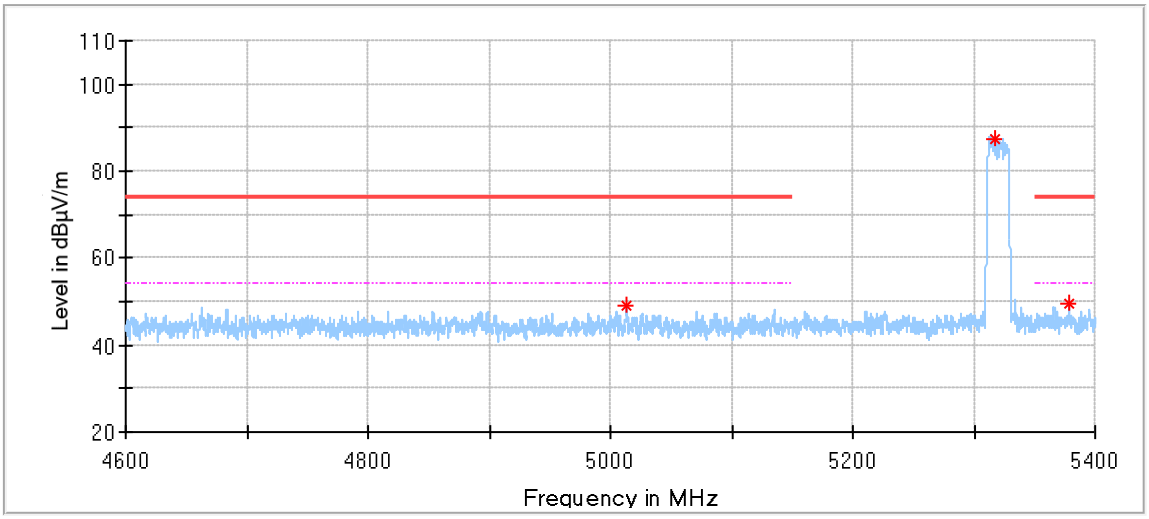


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5138.466667	46.58	74.00	27.42	150.0	H	227.0	3.66	Spurious
5323.066667	101.27	---	---	150.0	H	197.0	4.25	Fundamental Frequency
5379.600000	49.01	74.00	24.99	150.0	H	271.0	4.28	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5013.533333	48.91	74.00	25.09	150.0	V	89.0	3.46	Spurious
5317.200000	87.36	---	---	150.0	V	60.0	4.24	Fundamental Frequency
5378.400000	49.33	74.00	24.67	150.0	V	236.0	4.27	Spurious

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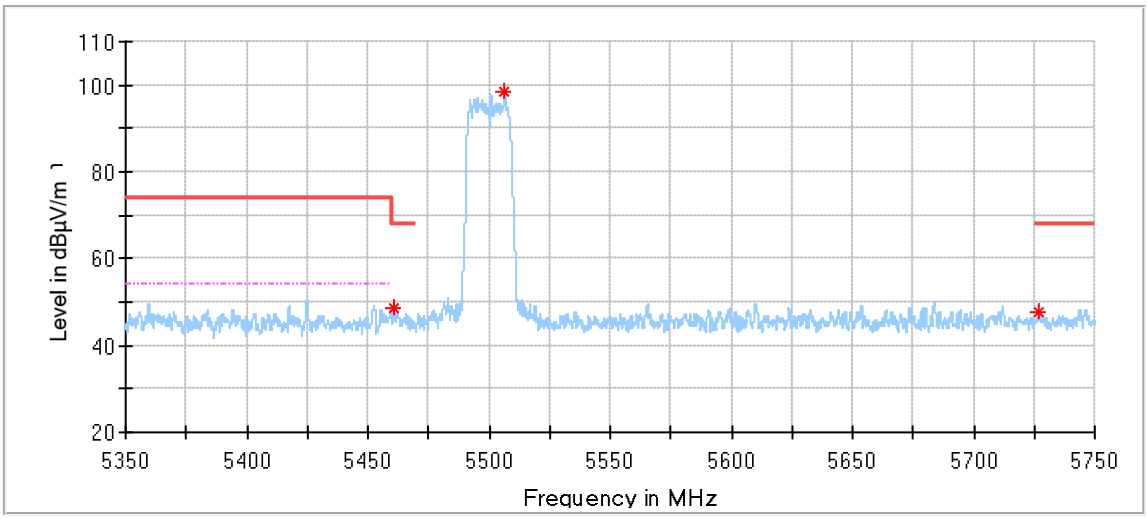
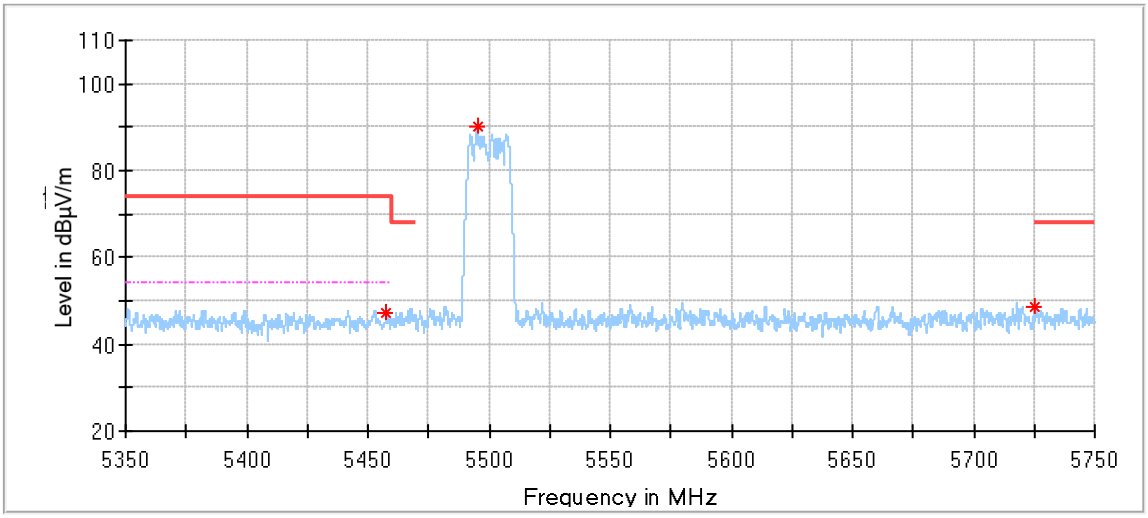


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5460.700000	48.59	68.20	19.61	150.0	H	103.0	4.79	Spurious
5506.133333	98.39	---	---	150.0	H	204.0	4.85	Fundamental Frequency
5726.833333	47.90	68.20	20.30	150.0	H	147.0	4.80	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5457.800000	47.38	74.00	26.62	150.0	V	328.0	4.76	Spurious
5495.266667	90.18	---	---	150.0	V	128.0	4.92	Fundamental Frequency
5725.100000	48.64	68.20	19.56	150.0	V	187.0	4.80	Spurious

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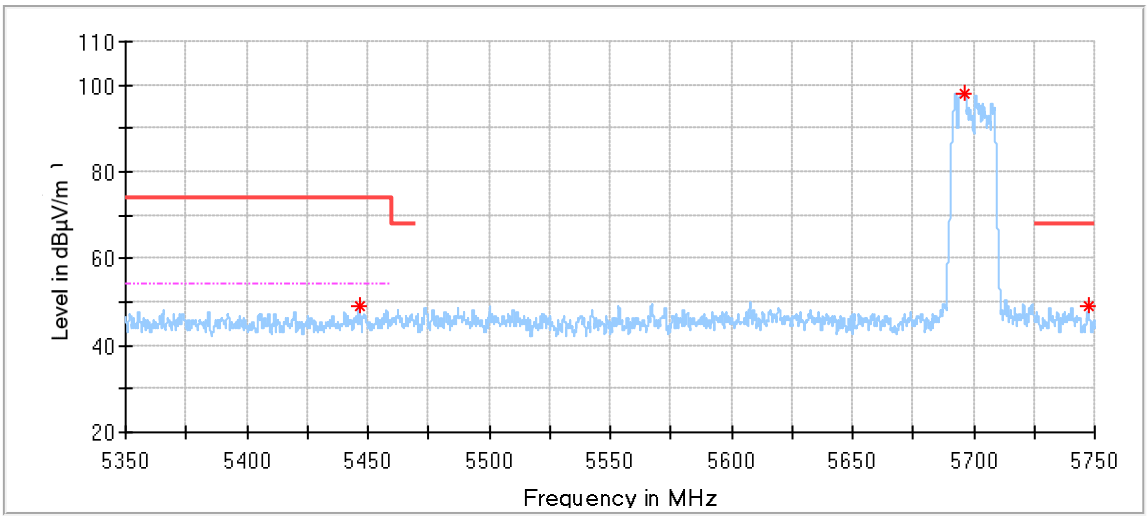
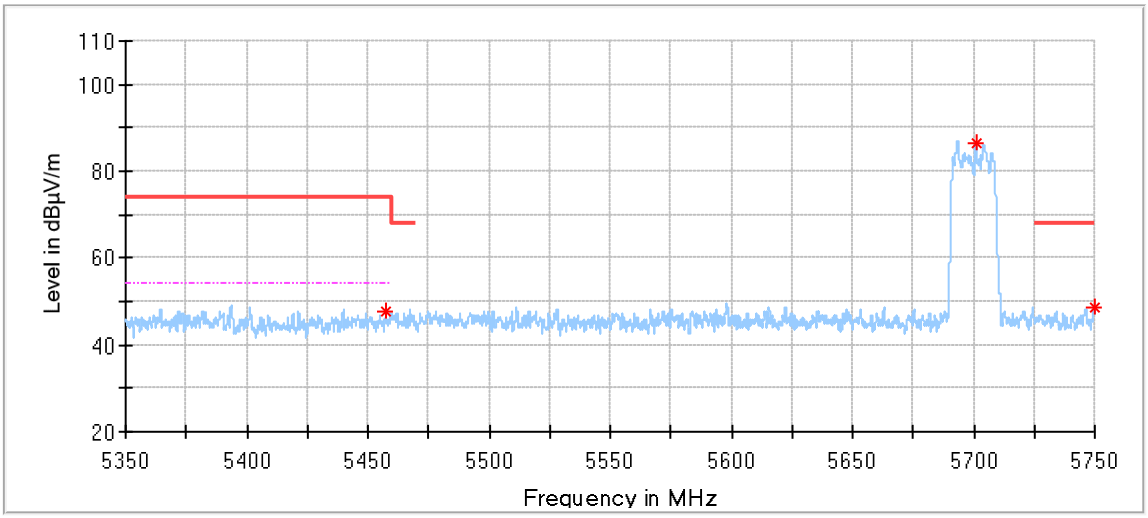


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5446.500000	49.11	74.00	24.89	150.0	H	323.0	4.64	Spurious
5696.433333	98.11	---	---	150.0	H	199.0	4.76	Fundamental Frequency
5747.433333	49.09	68.20	19.11	150.0	H	235.0	4.83	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5457.333333	47.61	74.00	26.39	150.0	V	25.0	4.75	Spurious
5700.900000	86.57	---	---	150.0	V	320.0	4.76	Fundamental Frequency
5750.000000	48.50	68.20	19.70	150.0	V	193.0	4.83	Spurious

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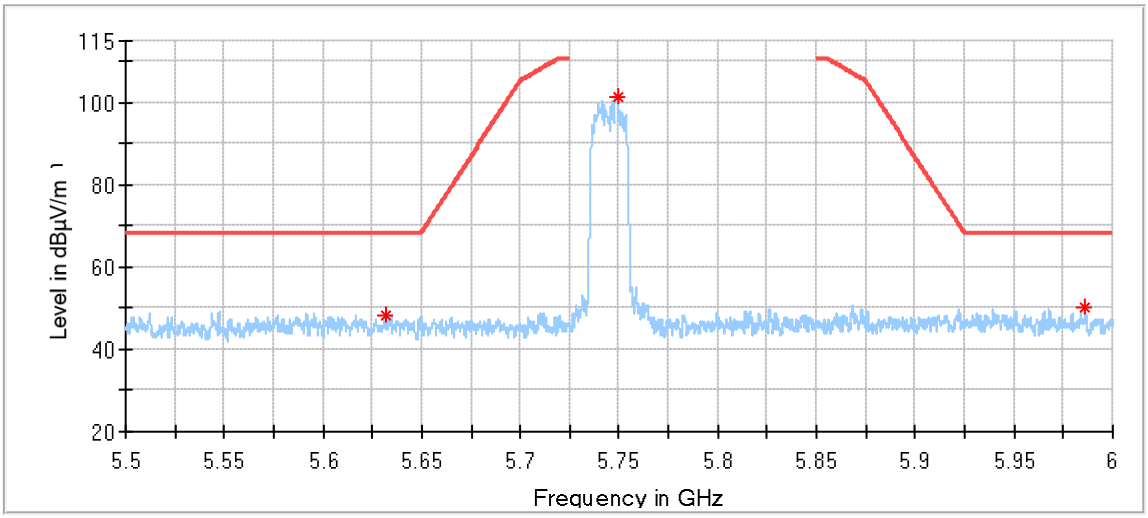
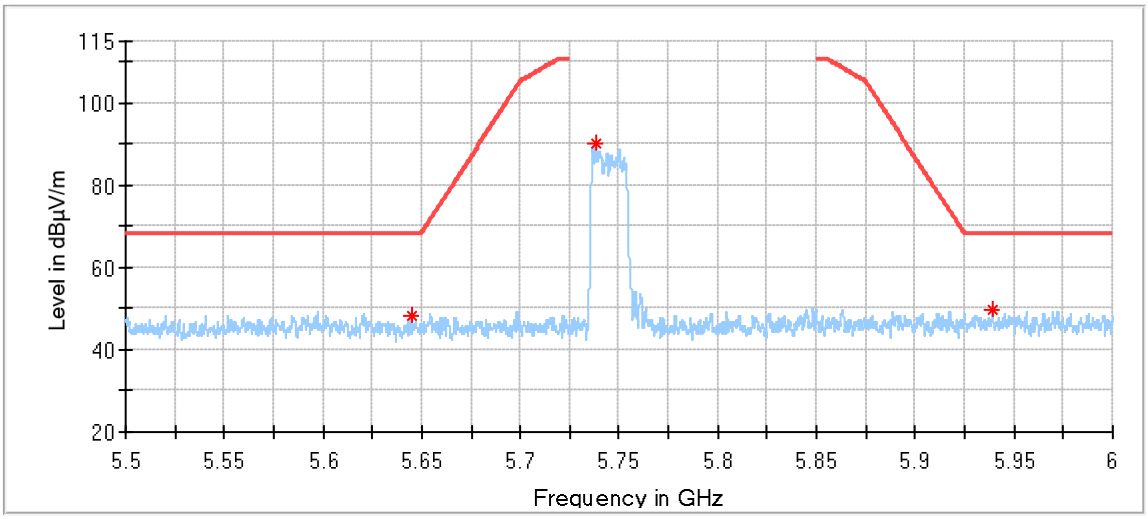


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5631.458333	48.38	68.20	19.82	150.0	H	326.0	4.72	Spurious
5749.833333	101.54	---	---	150.0	H	201.0	4.83	Fundamental Frequency
5985.958333	50.33	68.20	17.87	150.0	H	289.0	5.88	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5644.708333	48.12	68.20	20.08	150.0	V	174.0	4.73	Spurious
5738.083333	90.15	---	---	150.0	V	122.0	4.81	Fundamental Frequency
5939.083333	49.92	68.20	18.28	150.0	V	130.0	5.70	Spurious

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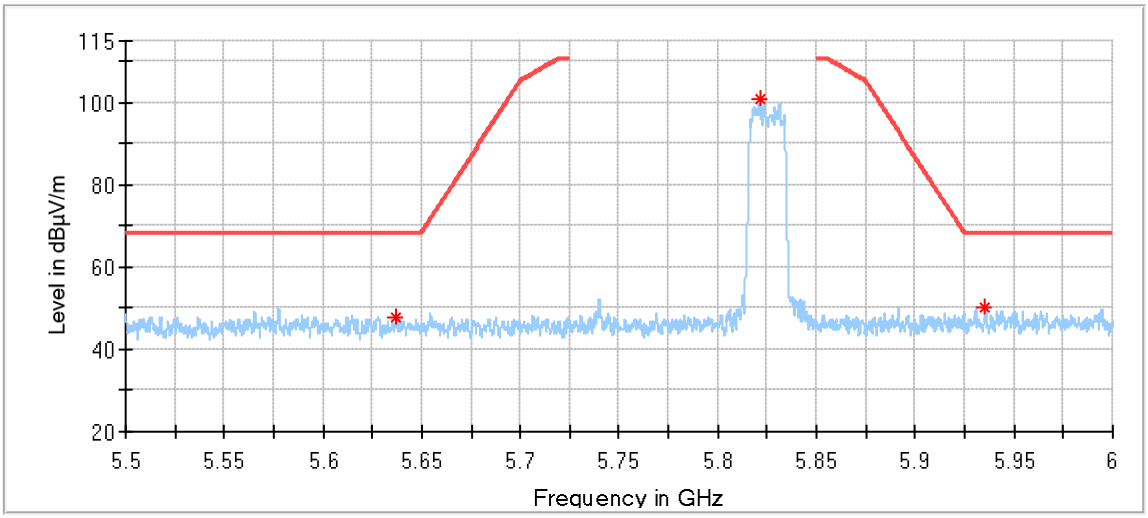
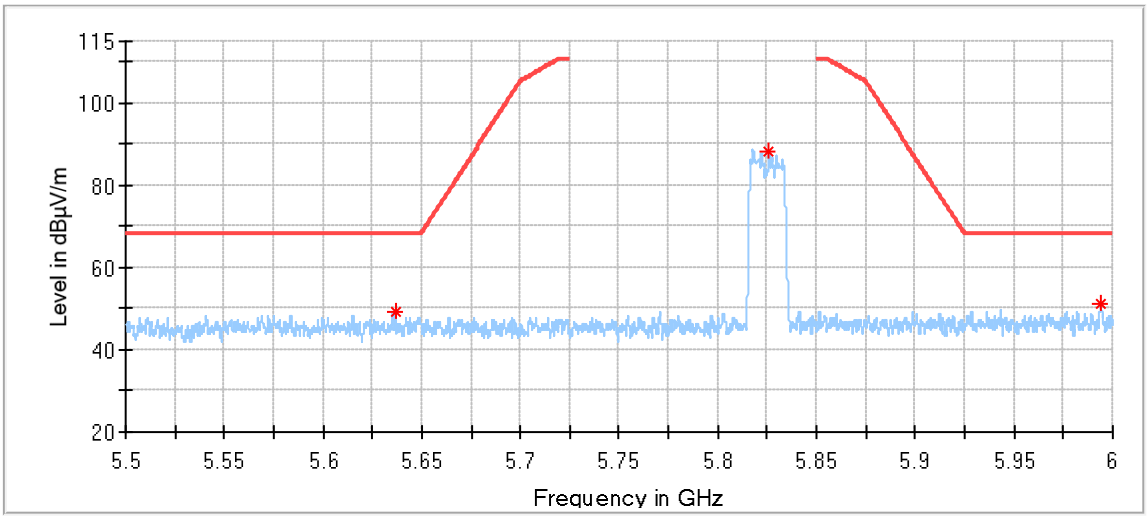


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5637.000000	47.78	68.20	20.42	150.0	H	27.0	4.72	Spurious
5821.250000	100.85	---	---	150.0	H	188.0	5.26	Fundamental Frequency
5935.583333	50.16	68.20	18.04	150.0	H	78.0	5.70	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5636.583333	49.20	68.20	19.00	150.0	V	135.0	4.72	Spurious
5825.833333	88.38	---	---	150.0	V	318.0	5.28	Fundamental Frequency
5994.000000	51.02	68.20	17.18	150.0	V	223.0	5.91	Spurious

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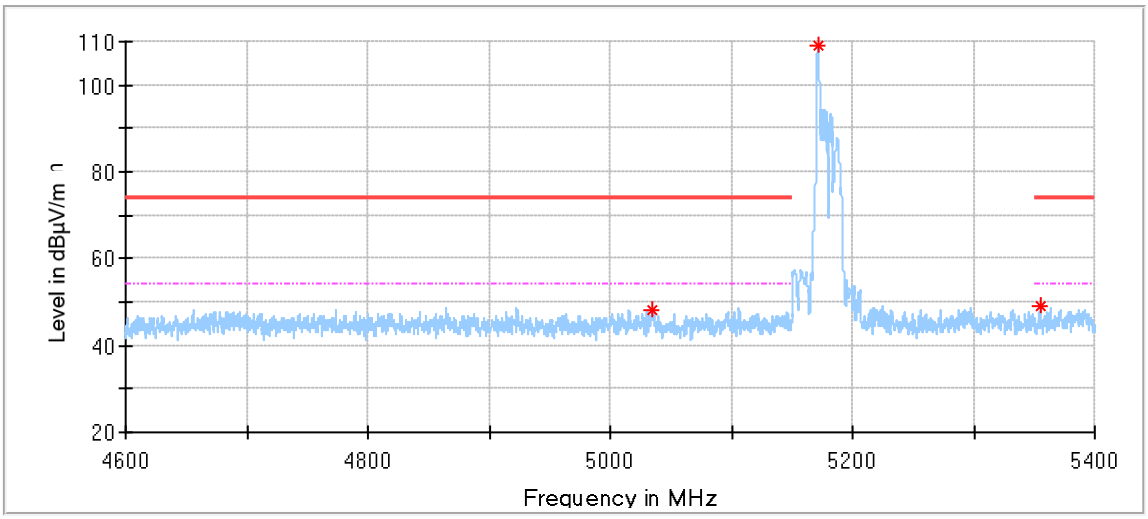
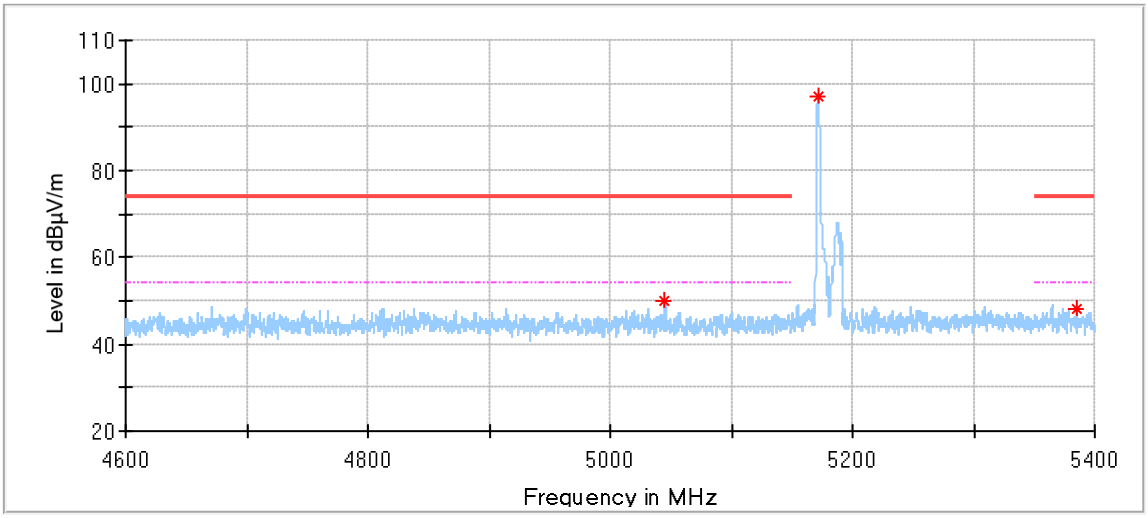


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5034.800000	48.17	74.00	25.83	150.0	H	345.0	3.36	Spurious
5171.400000	109.18	---	---	150.0	H	199.0	3.79	Fundamental Frequency
5355.066667	48.91	74.00	25.09	150.0	H	0.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5045.266667	49.77	74.00	24.23	150.0	V	353.0	3.32	Spurious
5171.600000	97.09	---	---	150.0	V	219.0	3.79	Fundamental Frequency
5385.600000	48.09	74.00	25.91	150.0	V	353.0	4.30	Spurious

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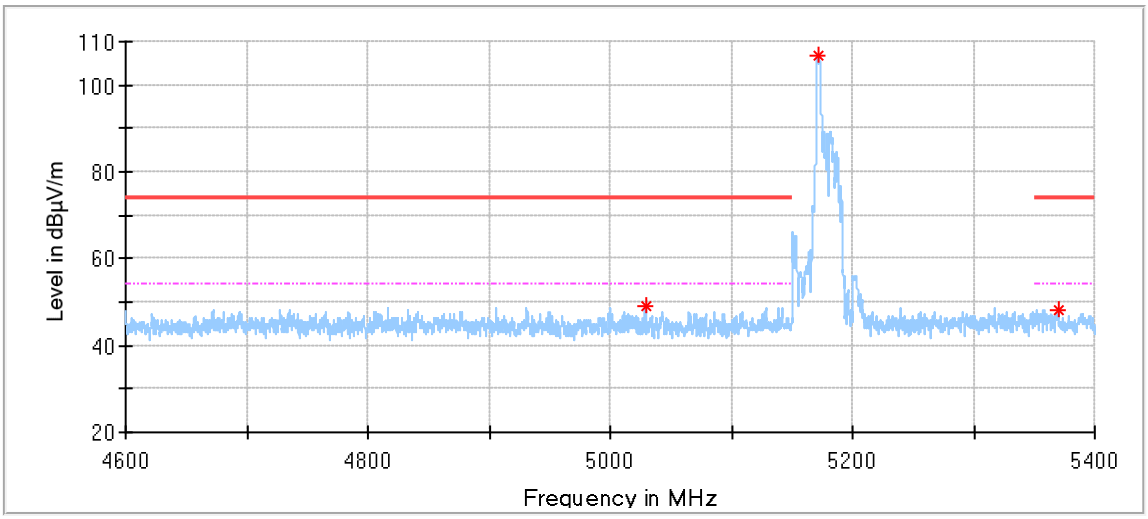
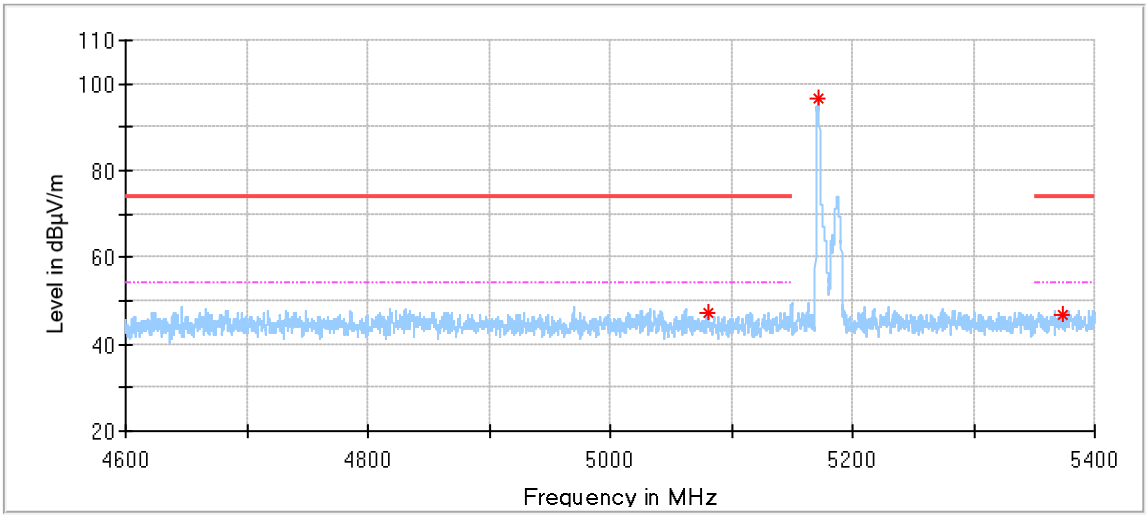


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5029.066667	48.93	74.00	25.07	150.0	H	190.0	3.39	Spurious
5171.800000	106.59	---	---	150.0	H	168.0	3.79	Fundamental Frequency
5369.933333	48.17	74.00	25.83	150.0	H	286.0	4.26	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5081.066667	47.10	74.00	26.90	150.0	V	0.0	3.47	Spurious
5171.733333	96.61	---	---	150.0	V	208.0	3.79	Fundamental Frequency
5374.266667	46.92	74.00	27.08	150.0	V	353.0	4.26	Spurious

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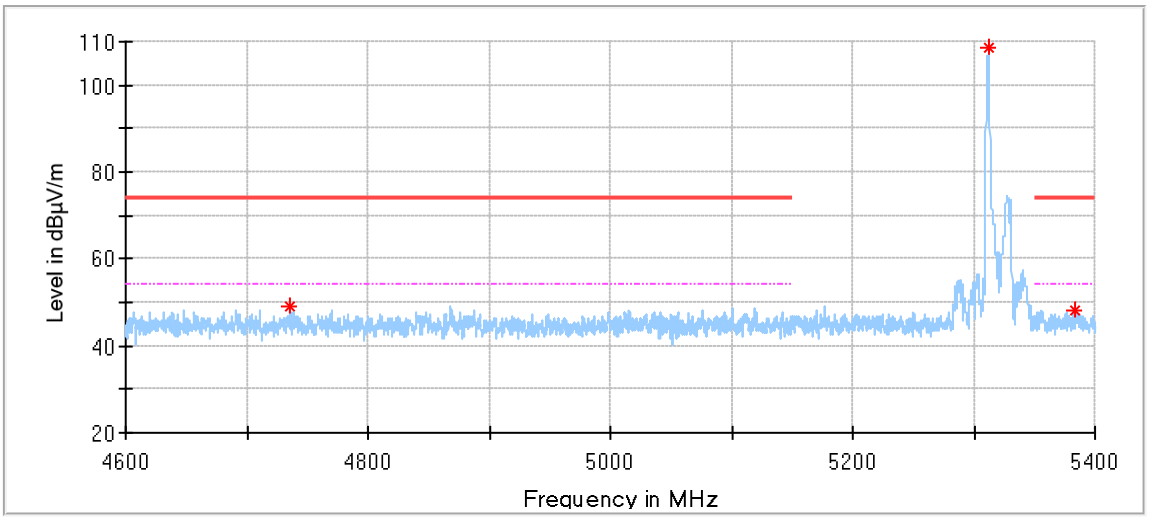
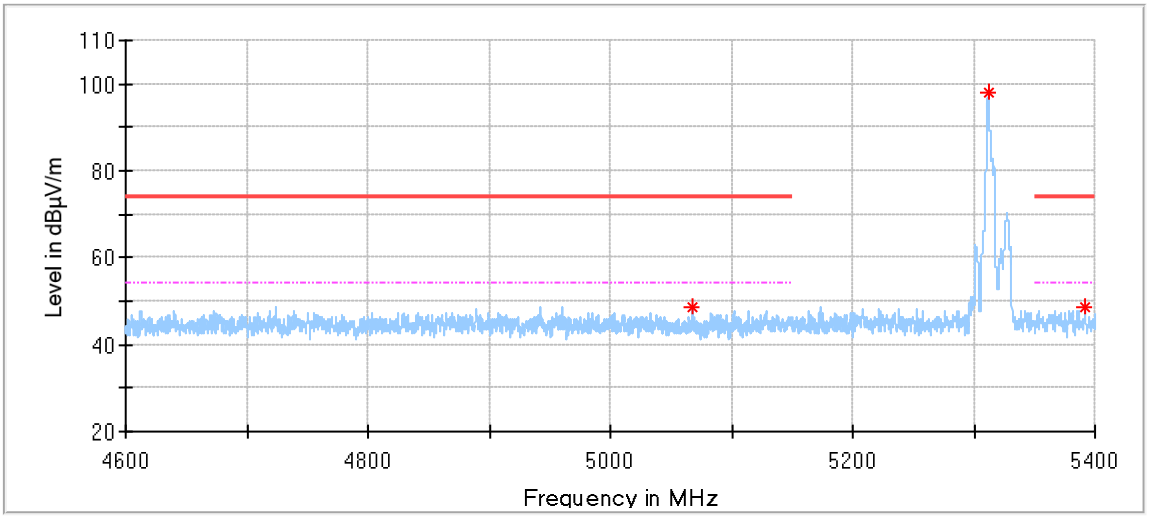


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4735.733333	49.21	74.00	24.79	150.0	H	146.0	3.30	Spurious
5312.333333	108.62	---	---	150.0	H	205.0	4.22	Fundamental Frequency
5384.133333	47.97	74.00	26.03	150.0	H	227.0	4.29	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5067.733333	48.50	74.00	25.50	150.0	V	265.0	3.36	Spurious
5311.933333	98.10	---	---	150.0	V	111.0	4.22	Fundamental Frequency
5391.666667	48.62	74.00	25.38	150.0	V	163.0	4.32	Spurious

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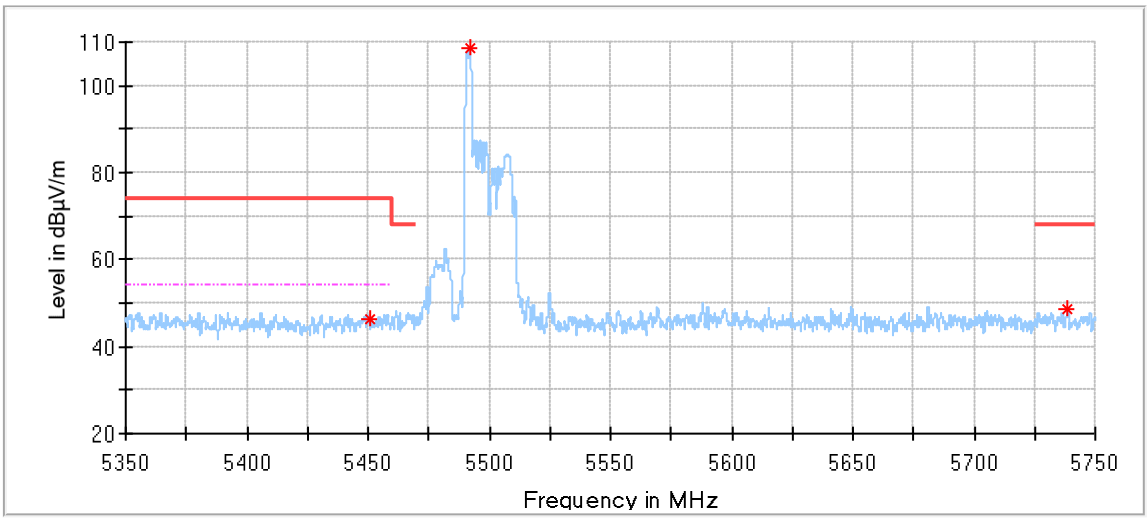
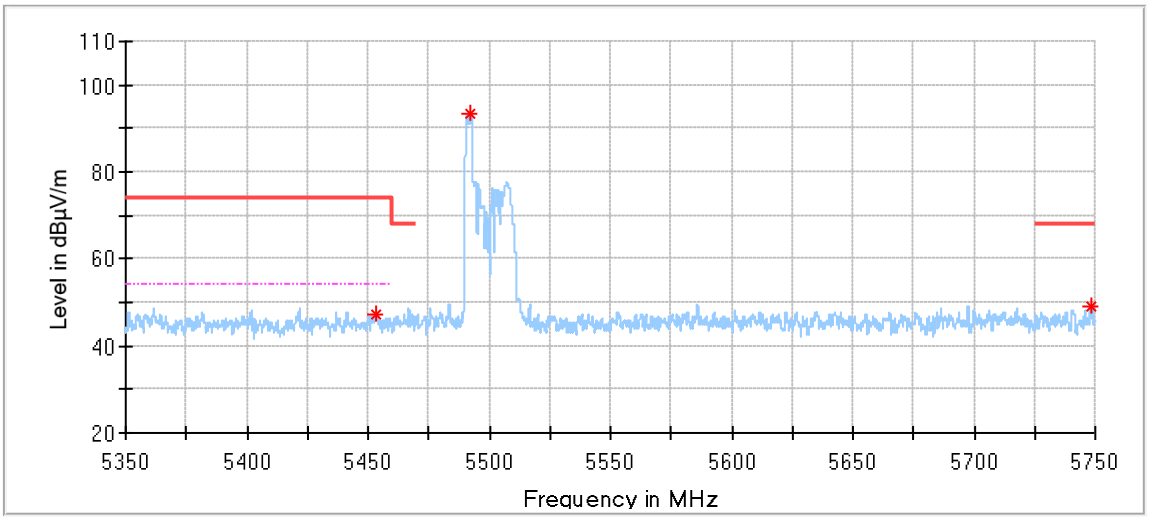


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5451.233333	46.30	74.00	27.70	150.0	H	11.0	4.69	Spurious
5491.833333	108.70	---	---	150.0	H	193.0	4.94	Fundamental Frequency
5738.766667	48.43	68.20	19.77	150.0	H	55.0	4.81	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5453.166667	47.08	74.00	26.92	150.0	V	215.0	4.71	Spurious
5492.200000	93.52	---	---	150.0	V	138.0	4.94	Fundamental Frequency
5748.666667	49.03	68.20	19.17	150.0	V	202.0	4.83	Spurious

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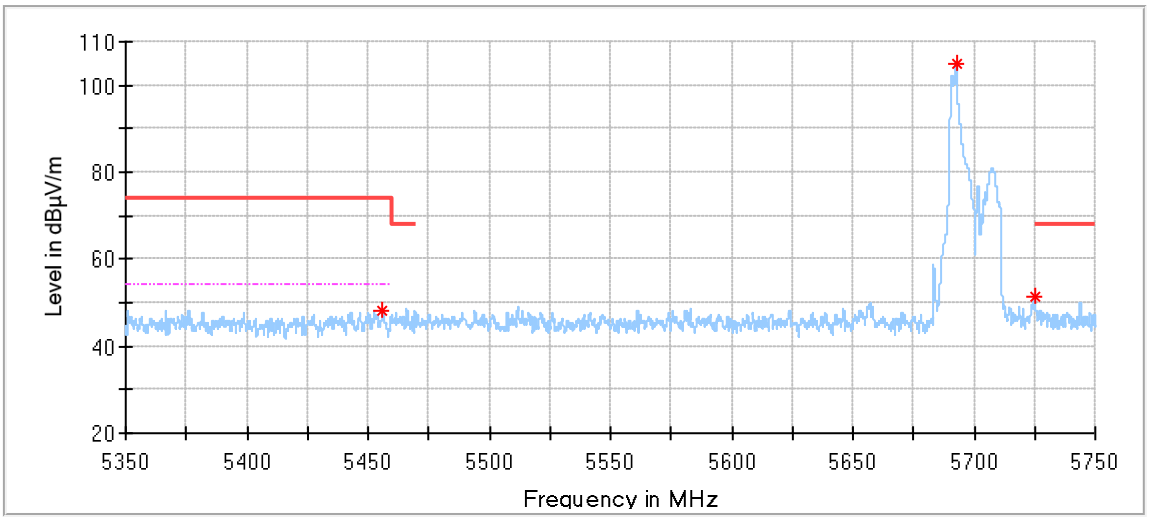
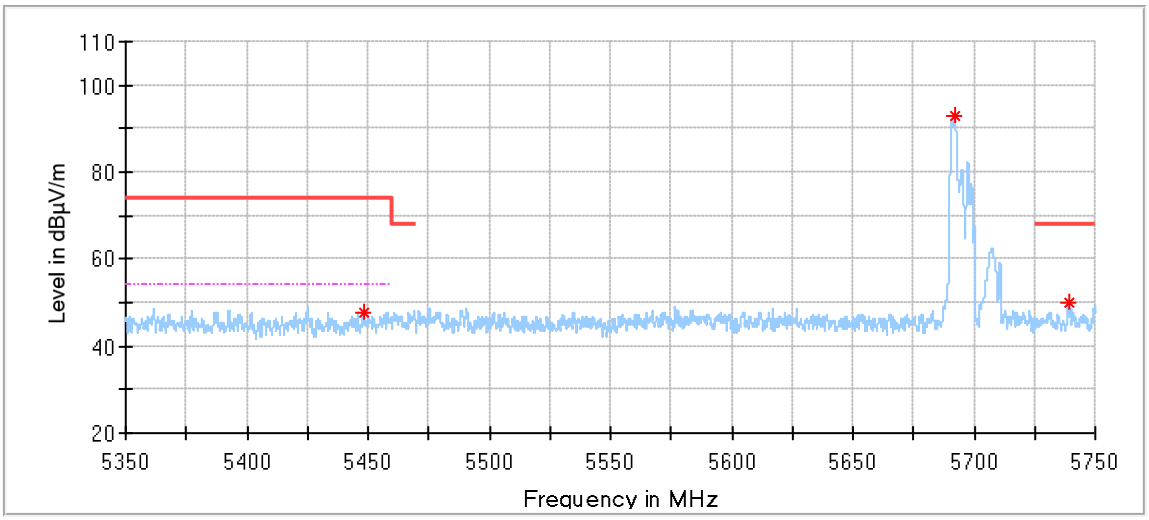
802.11ax20_5700_26Tone_RU8_ANT2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5456.033333	48.10	74.00	25.90	150.0	H	345.0	4.74	Spurious
5692.666667	105.01	---	---	150.0	H	201.0	4.76	Fundamental Frequency
5725.066667	51.31	68.20	16.89	150.0	H	179.0	4.80	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5447.966667	47.88	74.00	26.12	150.0	V	112.0	4.66	Spurious
5692.000000	92.84	---	---	150.0	V	133.0	4.76	Fundamental Frequency
5738.866667	50.22	68.20	17.98	150.0	V	147.0	4.81	Spurious

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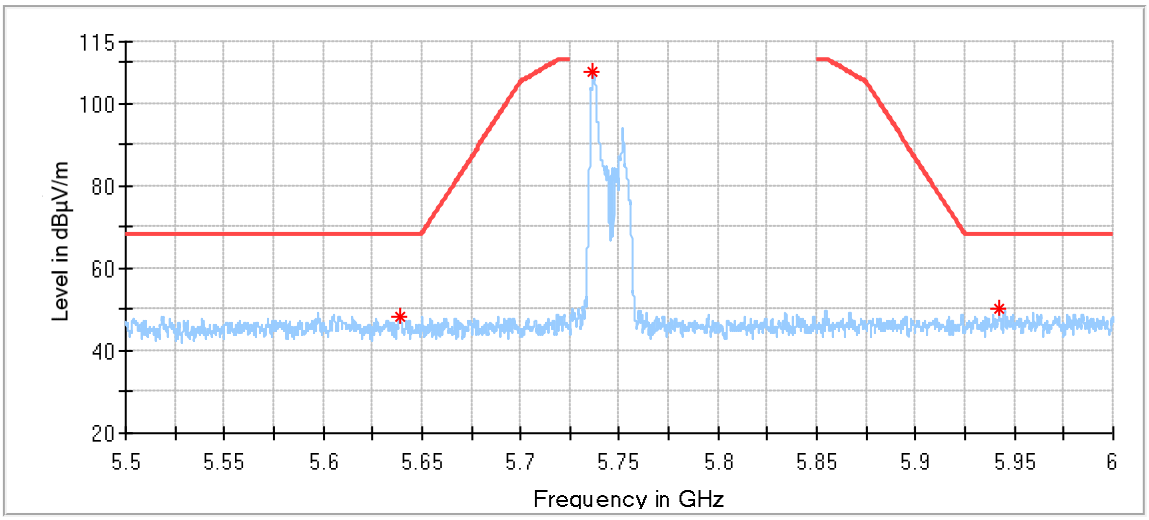
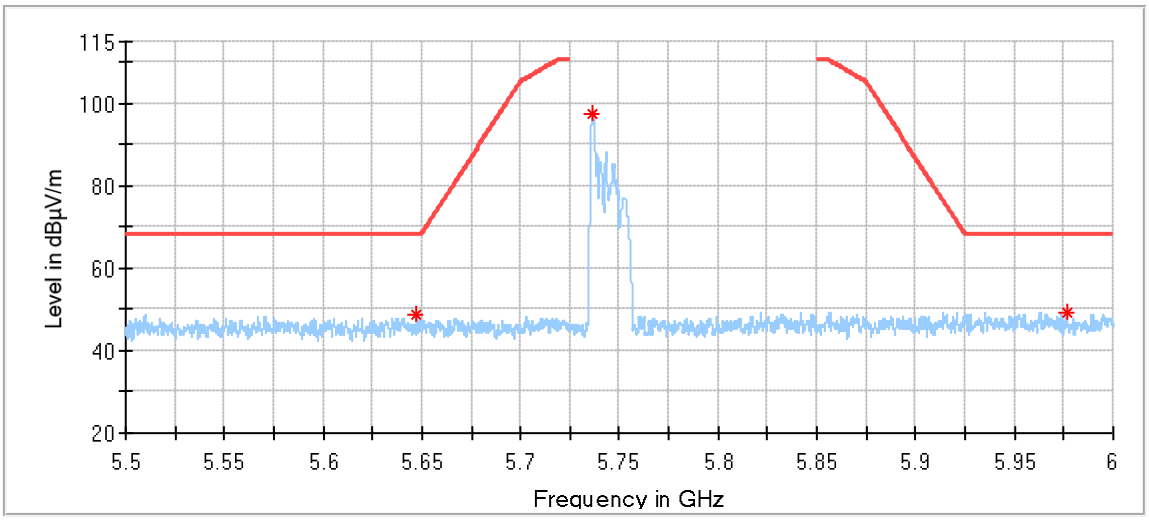


Critical_Freqs

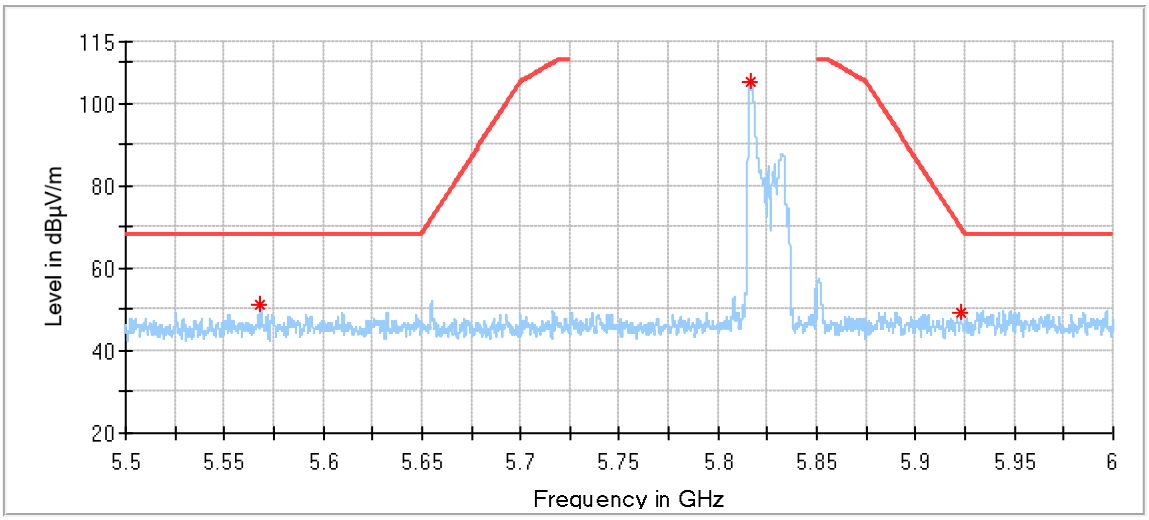
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5639.041667	48.33	68.20	19.87	150.0	H	166.0	4.72	Spurious
5736.333333	107.57	---	---	150.0	H	195.0	4.81	Fundamental Frequency
5942.125000	50.42	68.20	17.78	150.0	H	100.0	5.71	Spurious



Critical_Freqs

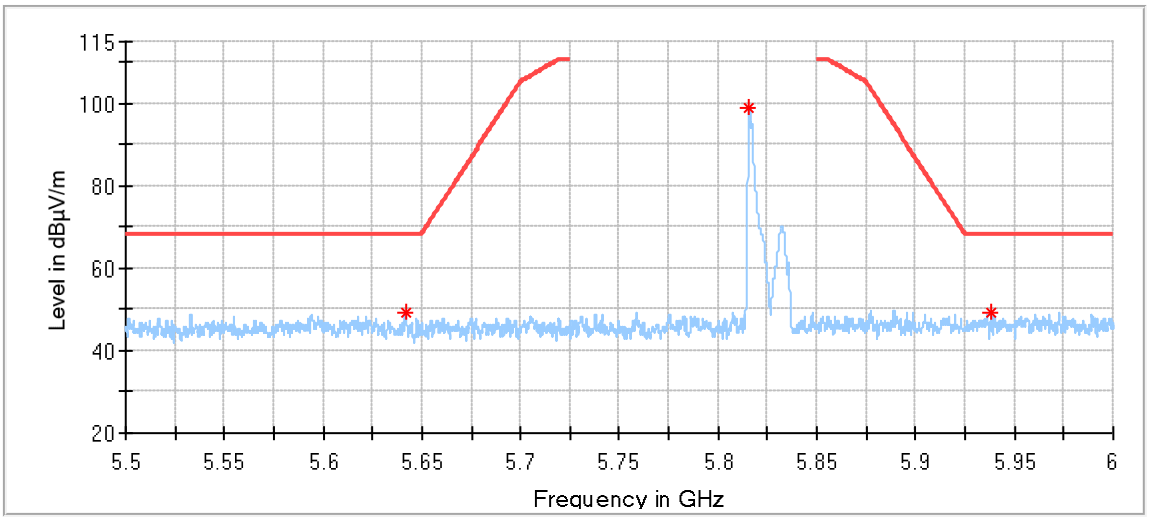
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5647.291667	48.90	68.20	19.30	150.0	V	259.0	4.73	Spurious
5736.708333	97.44	---	---	150.0	V	318.0	4.81	Fundamental Frequency
5976.416667	49.21	68.20	18.99	150.0	V	231.0	5.84	Spurious

802.11ax20_5825_26Tone_RU8_ANT2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5568.416667	51.14	68.20	17.06	150.0	H	174.0	4.68	Spurious
5816.083333	105.41	---	---	150.0	H	181.0	5.23	Fundamental Frequency
5922.750000	49.12	69.87	20.75	150.0	H	350.0	5.67	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5641.750000	49.23	68.20	18.97	150.0	V	260.0	4.73	Spurious
5815.791667	98.97	---	---	150.0	V	326.0	5.23	Fundamental Frequency
5937.916667	49.13	68.20	19.07	150.0	V	149.0	5.70	Spurious

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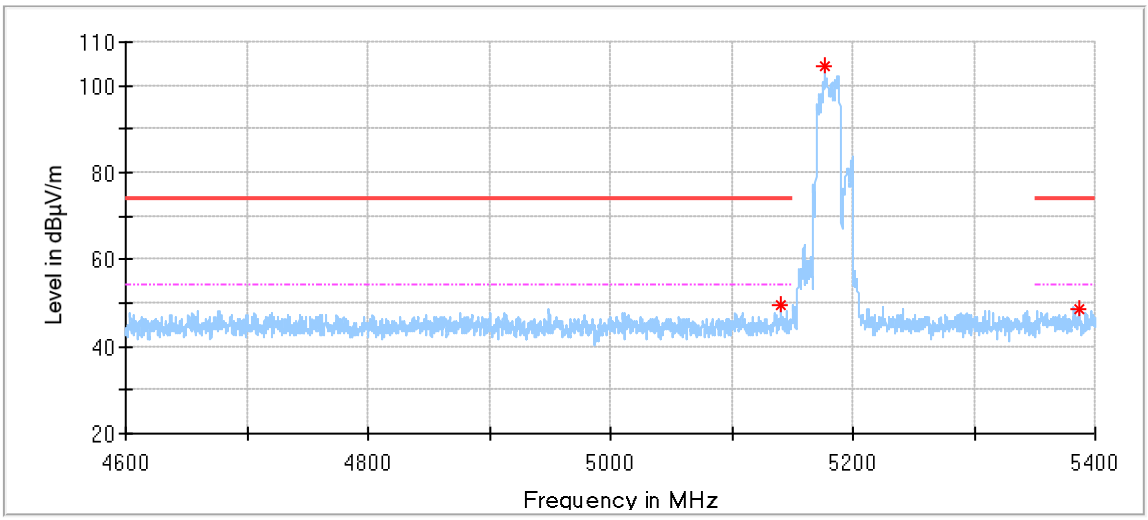
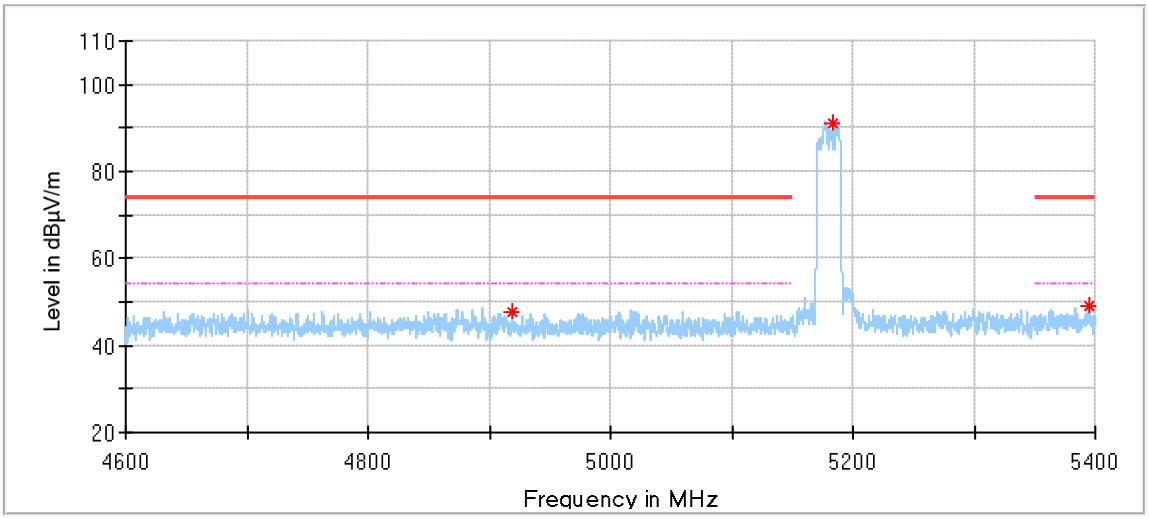
802.11ax20_5180_242Tone_RU61_ANT2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5140.800000	49.39	74.00	24.61	150.0	H	199.0	3.66	Spurious
5176.733333	104.37	---	---	150.0	H	207.0	3.81	Fundamental Frequency
5386.733333	48.39	74.00	25.61	150.0	H	74.0	4.30	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4919.200000	47.88	74.00	26.12	150.0	V	168.0	3.35	Spurious
5183.400000	91.15	---	---	150.0	V	315.0	3.84	Fundamental Frequency
5394.333333	48.91	74.00	25.09	150.0	V	80.0	4.33	Spurious

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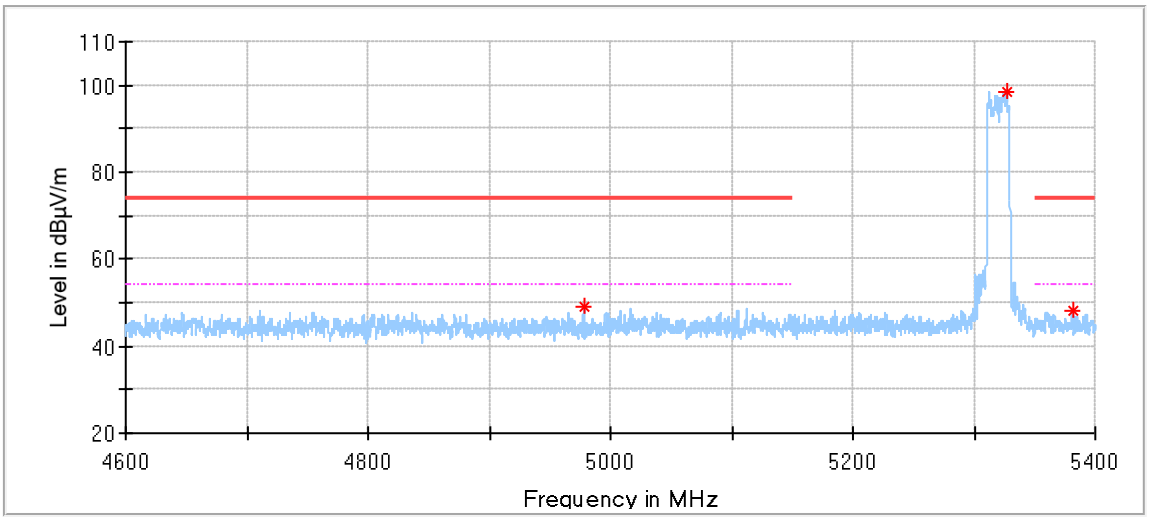
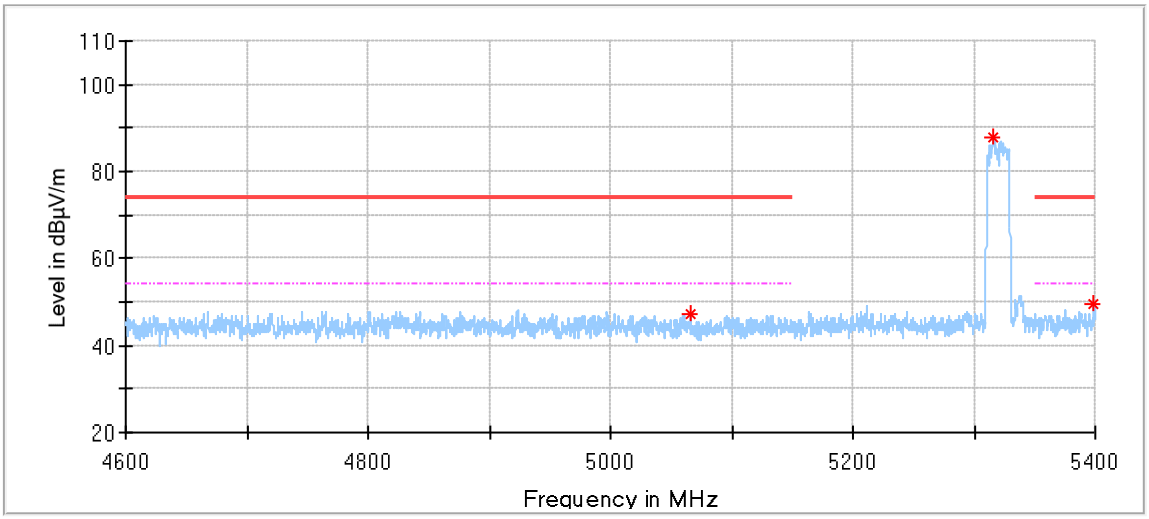
802.11ax20_5320_242Tone_RU61_ANT2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
4978.266667	49.09	74.00	24.91	150.0	H	202.0	3.34	Spurious
5327.000000	98.34	---	---	150.0	H	210.0	4.25	Fundamental Frequency
5381.266667	48.21	74.00	25.79	150.0	H	143.0	4.28	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5066.533333	47.40	74.00	26.60	150.0	V	192.0	3.35	Spurious
5315.533333	88.04	---	---	150.0	V	145.0	4.23	Fundamental Frequency
5399.066667	49.36	74.00	24.64	150.0	V	101.0	4.35	Spurious

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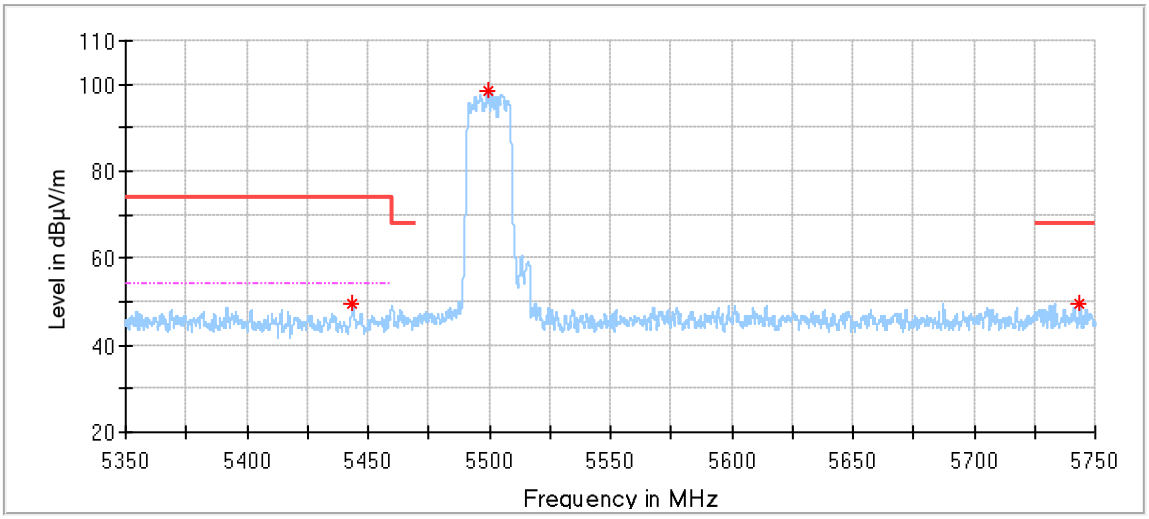
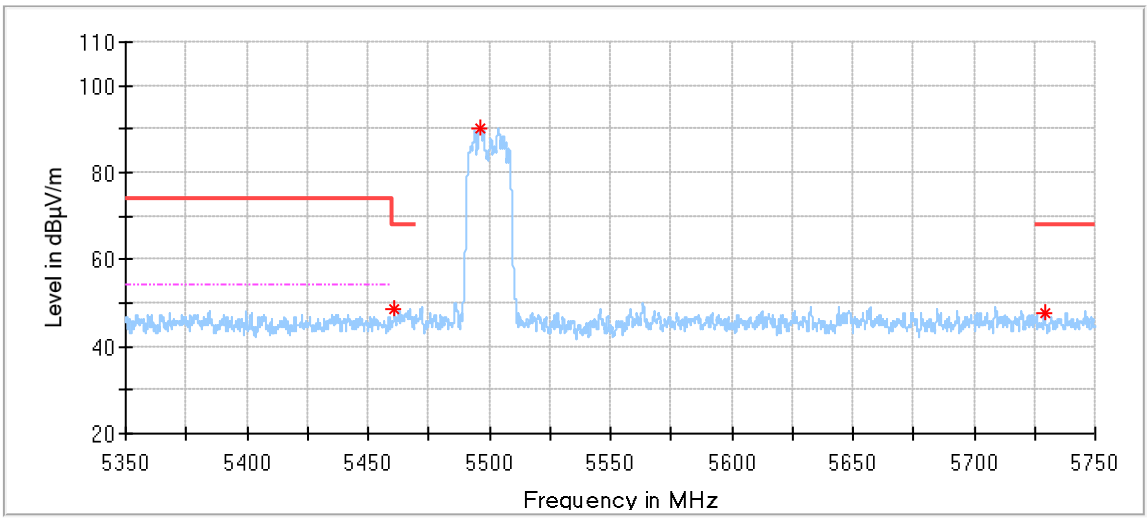
802.11ax20_5500_242Tone_RU61_ANT2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5443.533333	49.39	74.00	24.61	150.0	H	305.0	4.61	Spurious
5499.900000	98.38	---	---	150.0	H	206.0	4.89	Fundamental Frequency
5743.700000	49.39	68.20	18.81	150.0	H	213.0	4.82	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5460.833333	48.73	68.20	19.47	150.0	V	356.0	4.79	Spurious
5496.433333	90.12	---	---	150.0	V	124.0	4.91	Fundamental Frequency
5729.133333	47.82	68.20	20.38	150.0	V	49.0	4.80	Spurious

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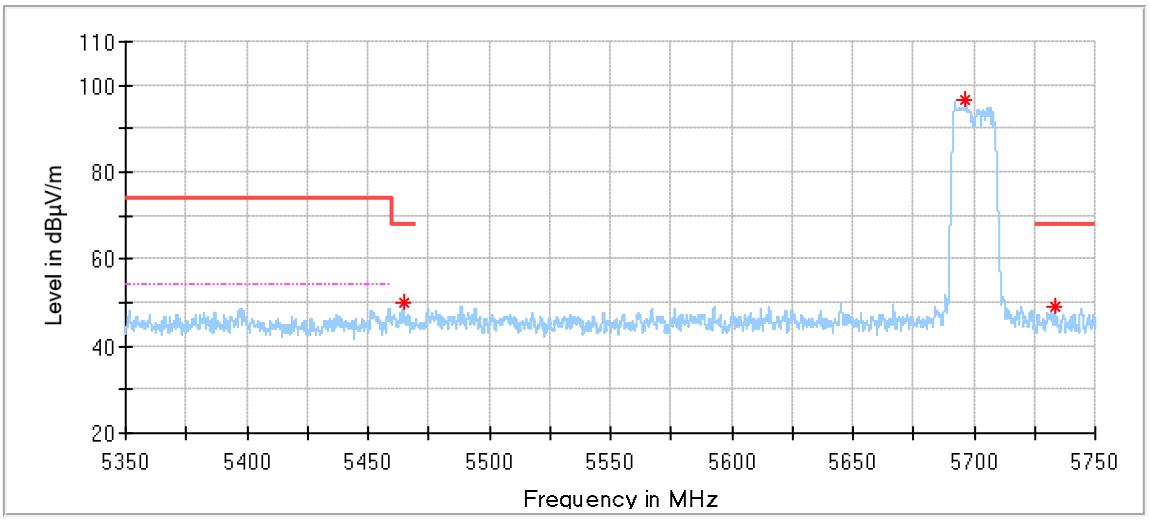
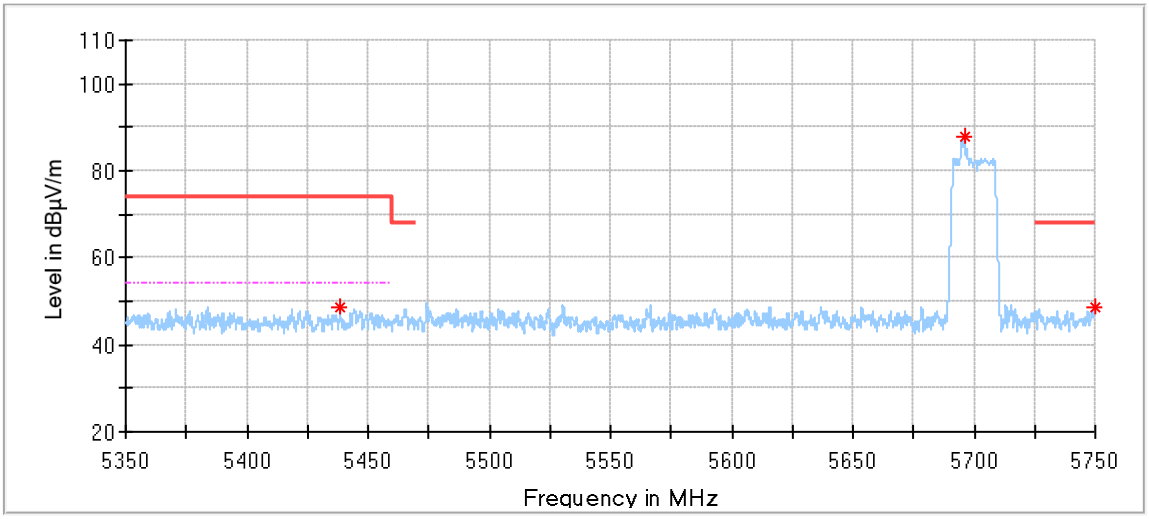
802.11ax20_5700_242Tone_RU61_ANT2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5464.633333	49.89	68.20	18.31	150.0	H	172.0	4.83	Spurious
5696.600000	96.45	---	---	150.0	H	208.0	4.76	Fundamental Frequency
5733.266667	48.88	68.20	19.32	150.0	H	99.0	4.81	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5438.466667	48.62	74.00	25.38	150.0	V	18.0	4.56	Spurious
5695.933333	87.73	---	---	150.0	V	326.0	4.76	Fundamental Frequency
5749.766667	48.74	68.20	19.46	150.0	V	231.0	4.83	Spurious

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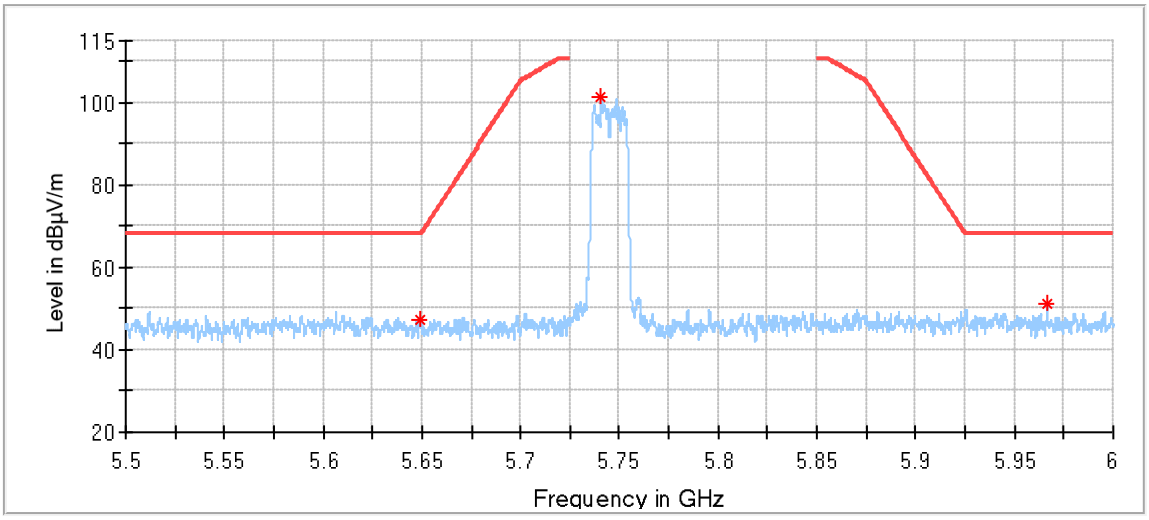
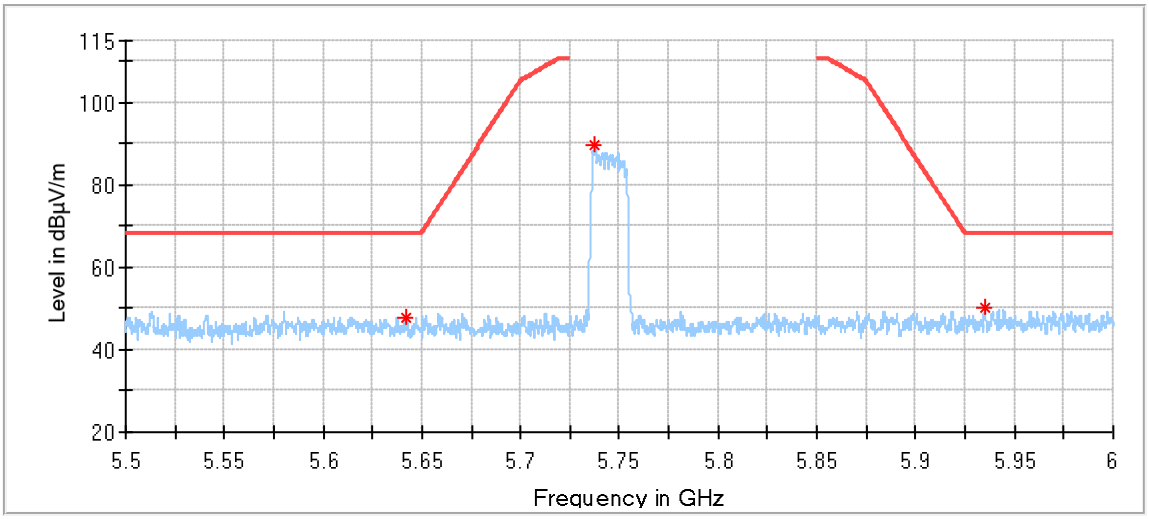


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5648.875000	47.50	68.20	20.70	150.0	H	93.0	4.73	Spurious
5740.583333	101.41	---	---	150.0	H	188.0	4.82	Fundamental Frequency
5966.541667	51.08	68.20	17.12	150.0	H	9.0	5.80	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5641.625000	47.79	68.20	20.41	150.0	V	3.0	4.73	Spurious
5737.708333	89.50	---	---	150.0	V	124.0	4.81	Fundamental Frequency
5934.833333	49.97	68.20	18.23	150.0	V	161.0	5.69	Spurious

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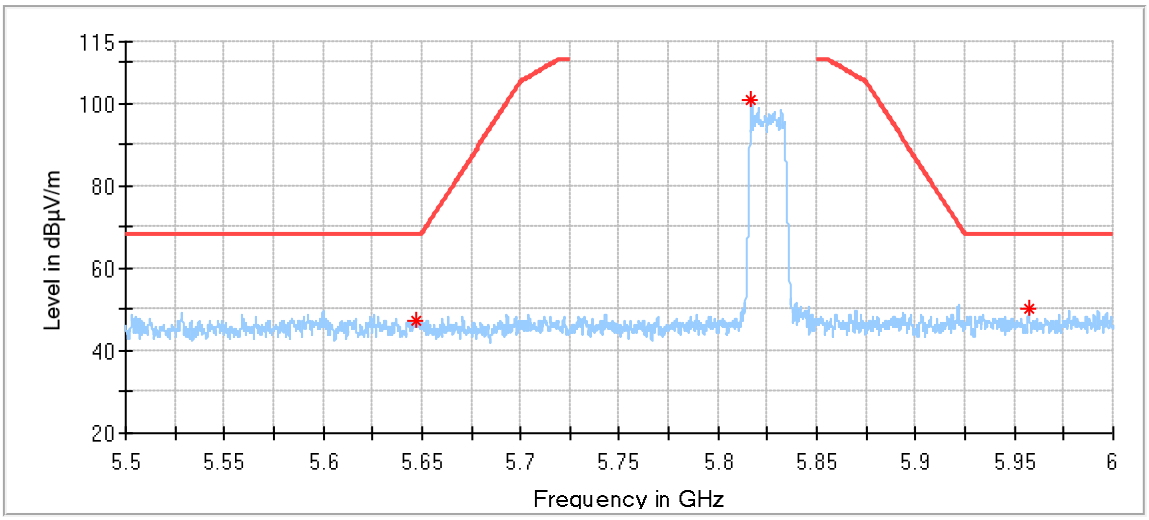
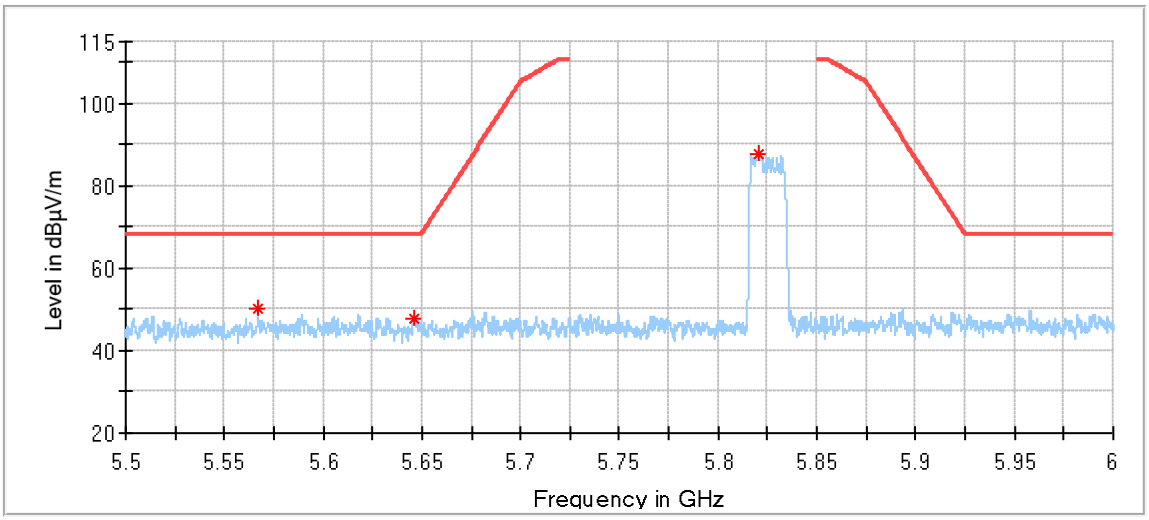
802.11ax20_5825_242Tone_RU61_ANT2



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5646.791667	47.48	68.20	20.72	150.0	H	10.0	4.73	Spurious
5816.916667	100.84	---	---	150.0	H	205.0	5.24	Fundamental Frequency
5957.250000	50.26	68.20	17.94	150.0	H	289.0	5.76	Spurious



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Remark
5566.750000	50.43	68.20	17.77	150.0	V	27.0	4.68	Spurious
5645.625000	47.79	68.20	20.41	150.0	V	174.0	4.73	Fundamental Frequency
5820.833333	87.61	---	---	150.0	V	93.0	5.26	Spurious

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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.

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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 ℃ step by normal voltage.
5. Repeat the test at 85% and 115% of the nominal supply voltage as below under normal temperature (+15 ℃ to +25 ℃).

User manual temperature is 0℃ to +70℃, normal Temperature is +25℃.

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: 5.0Vdc, HV is High Voltage: 5.3Vdc, LV is Low Voltage: 4.5Vdc, NT is normal Temperature: +25℃.

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Ant2									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Temperature (°C)	Voltage (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11ax (HEW20)	SISO	5180	RU242	Left	25	4.5	5180.020	5150 to 5250	Pass
						5.0	5180.020	5150 to 5250	Pass
						5.3	5180.020	5150 to 5250	Pass
					0	5.0	5180.020	5150 to 5250	Pass
					10	5.0	5180.020	5150 to 5250	Pass
					20	5.0	5180.020	5150 to 5250	Pass
					30	5.0	5180.020	5150 to 5250	Pass
					40	5.0	5180.020	5150 to 5250	Pass
					50	5.0	5180.020	5150 to 5250	Pass
					60	5.0	5180.020	5150 to 5250	Pass
					70	5.0	5180.020	5150 to 5250	Pass
		5200	RU242	Left	25	4.5	5200.000	5150 to 5250	Pass
						5.0	5200.000	5150 to 5250	Pass
						5.3	5200.000	5150 to 5250	Pass
					0	5.0	5200.000	5150 to 5250	Pass
					10	5.0	5200.000	5150 to 5250	Pass
					20	5.0	5200.000	5150 to 5250	Pass
					30	5.0	5200.000	5150 to 5250	Pass
					40	5.0	5200.000	5150 to 5250	Pass
					50	5.0	5200.000	5150 to 5250	Pass
					60	5.0	5200.000	5150 to 5250	Pass
					70	5.0	5200.000	5150 to 5250	Pass
		5240	RU242	Left	25	4.5	5240.000	5150 to 5250	Pass
						5.0	5240.000	5150 to 5250	Pass
						5.3	5240.000	5150 to 5250	Pass
					0	5.0	5240.000	5150 to 5250	Pass
					10	5.0	5240.000	5150 to 5250	Pass
					20	5.0	5240.020	5150 to 5250	Pass
					30	5.0	5240.020	5150 to 5250	Pass
					40	5.0	5240.020	5150 to 5250	Pass
					50	5.0	5240.020	5150 to 5250	Pass
					60	5.0	5240.020	5150 to 5250	Pass
					70	5.0	5240.020	5150 to 5250	Pass
		5260	RU242	Left	25	4.5	5260.020	5250 to 5350	Pass
						5.0	5260.020	5250 to 5350	Pass
						5.3	5260.020	5250 to 5350	Pass
					0	5.0	5260.020	5250 to 5350	Pass
					10	5.0	5260.020	5250 to 5350	Pass
					20	5.0	5260.020	5250 to 5350	Pass
					30	5.0	5260.020	5250 to 5350	Pass
					40	5.0	5260.020	5250 to 5350	Pass
					50	5.0	5260.020	5250 to 5350	Pass
					60	5.0	5260.020	5250 to 5350	Pass
					70	5.0	5260.020	5250 to 5350	Pass
		5300	RU242	Left	25	4.5	5300.000	5250 to 5350	Pass
						5.0	5300.000	5250 to 5350	Pass
						5.3	5300.000	5250 to 5350	Pass
					0	5.0	5300.000	5250 to 5350	Pass
					10	5.0	5300.000	5250 to 5350	Pass
					20	5.0	5300.000	5250 to 5350	Pass
					30	5.0	5300.000	5250 to 5350	Pass
					40	5.0	5300.000	5250 to 5350	Pass
					50	5.0	5300.000	5250 to 5350	Pass
					60	5.0	5300.000	5250 to 5350	Pass
					70	5.0	5300.000	5250 to 5350	Pass
		5320	RU242	Left	25	4.5	5320.020	5250 to 5350	Pass
						5.0	5320.000	5250 to 5350	Pass
						5.3	5320.020	5250 to 5350	Pass
					0	5.0	5320.020	5250 to 5350	Pass
					10	5.0	5320.000	5250 to 5350	Pass
					20	5.0	5320.020	5250 to 5350	Pass
					30	5.0	5320.020	5250 to 5350	Pass
					40	5.0	5320.000	5250 to 5350	Pass
					50	5.0	5320.020	5250 to 5350	Pass
					60	5.0	5320.020	5250 to 5350	Pass
					70	5.0	5320.000	5250 to 5350	Pass
		5500	RU242	Left	25	4.5	5500.000	5470 to 5725	Pass
						5.0	5500.000	5470 to 5725	Pass

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						5.3	5500.000	5470 to 5725	Pass
					0	5.0	5500.020	5470 to 5725	Pass
					10	5.0	5500.020	5470 to 5725	Pass
					20	5.0	5500.020	5470 to 5725	Pass
					30	5.0	5500.020	5470 to 5725	Pass
					40	5.0	5500.000	5470 to 5725	Pass
					50	5.0	5500.020	5470 to 5725	Pass
					60	5.0	5500.020	5470 to 5725	Pass
					70	5.0	5500.000	5470 to 5725	Pass
		5580	RU242	Left	25	4.5	5579.980	5470 to 5725	Pass
						5.0	5579.980	5470 to 5725	Pass
						5.3	5580.000	5470 to 5725	Pass
					0	5.0	5580.000	5470 to 5725	Pass
					10	5.0	5579.980	5470 to 5725	Pass
					20	5.0	5579.980	5470 to 5725	Pass
					30	5.0	5579.980	5470 to 5725	Pass
					40	5.0	5579.980	5470 to 5725	Pass
					50	5.0	5579.980	5470 to 5725	Pass
					60	5.0	5579.980	5470 to 5725	Pass
					70	5.0	5579.980	5470 to 5725	Pass
		5700	RU242	Left	25	4.5	5700.000	5470 to 5725	Pass
						5.0	5700.020	5470 to 5725	Pass
						5.3	5700.020	5470 to 5725	Pass
					0	5.0	5700.020	5470 to 5725	Pass
					10	5.0	5700.020	5470 to 5725	Pass
					20	5.0	5700.020	5470 to 5725	Pass
					30	5.0	5700.000	5470 to 5725	Pass
					40	5.0	5700.020	5470 to 5725	Pass
					50	5.0	5700.020	5470 to 5725	Pass
					60	5.0	5700.020	5470 to 5725	Pass
					70	5.0	5700.020	5470 to 5725	Pass
		5745	RU242	Left	25	4.5	5745.020	5725 to 5850	Pass
						5.0	5745.020	5725 to 5850	Pass
						5.3	5745.000	5725 to 5850	Pass
					0	5.0	5745.020	5725 to 5850	Pass
					10	5.0	5745.020	5725 to 5850	Pass
					20	5.0	5745.020	5725 to 5850	Pass
					30	5.0	5745.020	5725 to 5850	Pass
					40	5.0	5745.020	5725 to 5850	Pass
					50	5.0	5745.020	5725 to 5850	Pass
					60	5.0	5745.020	5725 to 5850	Pass
					70	5.0	5745.020	5725 to 5850	Pass
		5785	RU242	Left	25	4.5	5785.000	5725 to 5850	Pass
						5.0	5784.980	5725 to 5850	Pass
						5.3	5784.980	5725 to 5850	Pass
					0	5.0	5785.000	5725 to 5850	Pass
					10	5.0	5784.980	5725 to 5850	Pass
					20	5.0	5784.980	5725 to 5850	Pass
					30	5.0	5784.980	5725 to 5850	Pass
					40	5.0	5785.000	5725 to 5850	Pass
					50	5.0	5784.980	5725 to 5850	Pass
					60	5.0	5784.980	5725 to 5850	Pass
					70	5.0	5784.980	5725 to 5850	Pass
		5825	RU242	Left	25	4.5	5825.000	5725 to 5850	Pass
						5.0	5825.000	5725 to 5850	Pass
						5.3	5825.000	5725 to 5850	Pass
					0	5.0	5825.020	5725 to 5850	Pass
					10	5.0	5825.000	5725 to 5850	Pass
					20	5.0	5825.020	5725 to 5850	Pass
					30	5.0	5825.000	5725 to 5850	Pass
					40	5.0	5825.020	5725 to 5850	Pass
					50	5.0	5825.000	5725 to 5850	Pass
					60	5.0	5825.020	5725 to 5850	Pass
					70	5.0	5825.000	5725 to 5850	Pass

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8.8 Dynamic Frequency Selection (DFS)

Mode of Operation:

Parameters of EUT	
Frequency	5250-5350MHz 5470-5600MHz 5650-5725MHz
Operational Mode	☐Master ☒Client without Radar Detection ☐Client with Radar Detection
Modulation	OFDM
Channel Bandwidth	20MHz

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
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	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
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	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.		

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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
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
Note 1: *Channel Move Time* and the *Channel Closing Transmission Time* should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. **Note 2:** The *Channel Closing Transmission Time* is comprised of 200 milliseconds starting at the beginning of the *Channel Move Time* plus any additional intermittent control signals required to facilitate a *Channel* 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. **Note 3:** During the *U-NII Detection Bandwidth* 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.	

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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

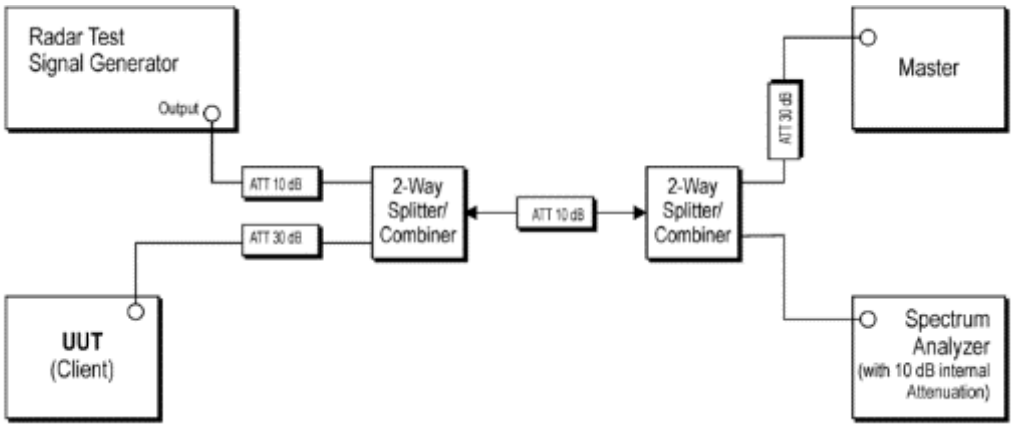
Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 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. **Note3:** 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 ime 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	CCT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AC20SISO	5260	216.9	260	9326.2	10000	PASS
	5500	213	260	451.1	10000	PASS

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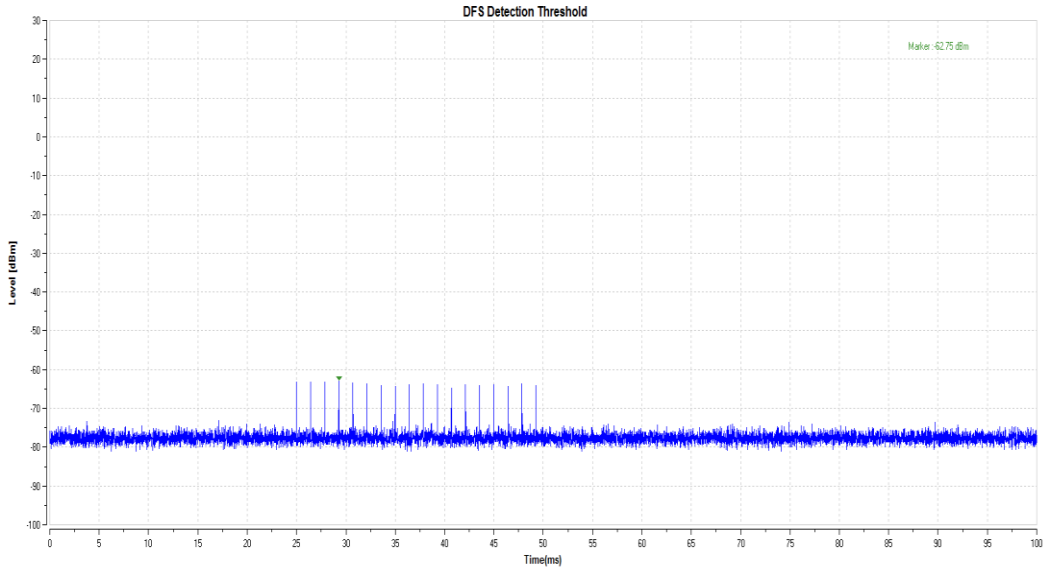
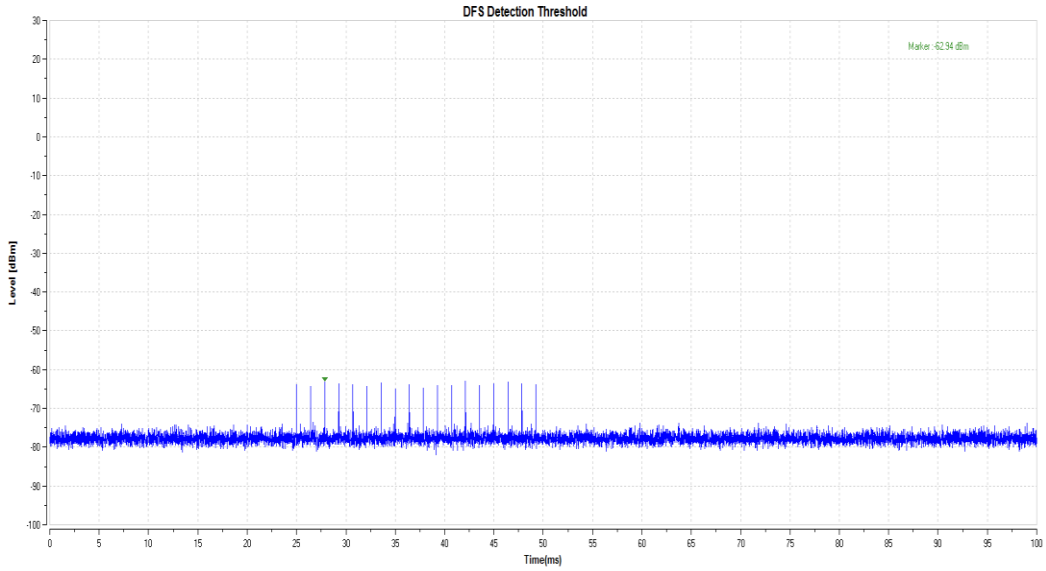
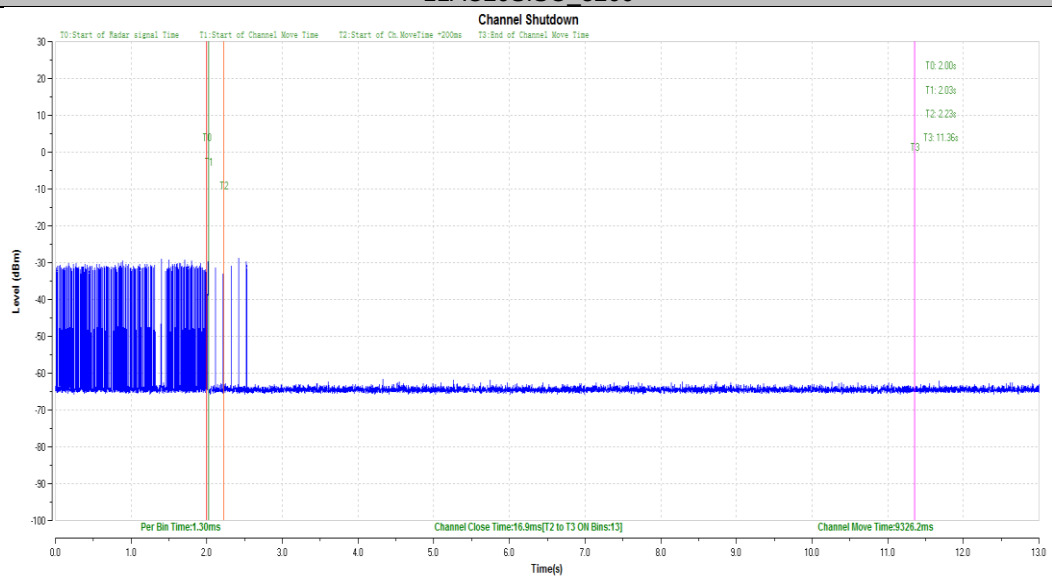
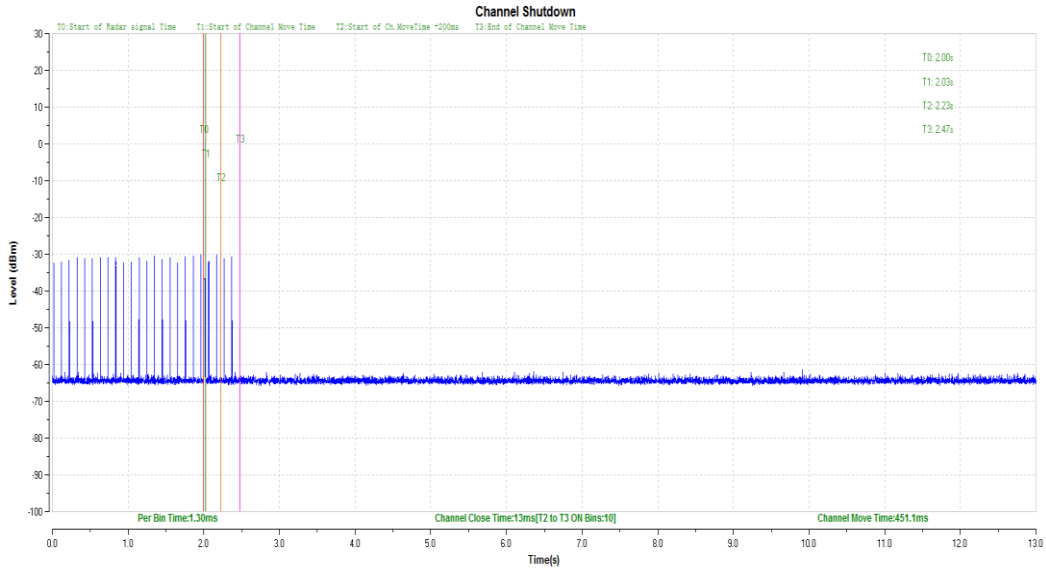
Test Graphs:

11AC20SISO_5260_Type0


11AC20SISO_5500_Type0


11AC20SISO_5260


11AC20SISO_5500


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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	2024-8-7
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	2025-2-22
Wave Guide Antenna	ETS	3117	68-4-80-19-001	00218954	1	2025-4-10
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	2024-8-1
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

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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

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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---

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