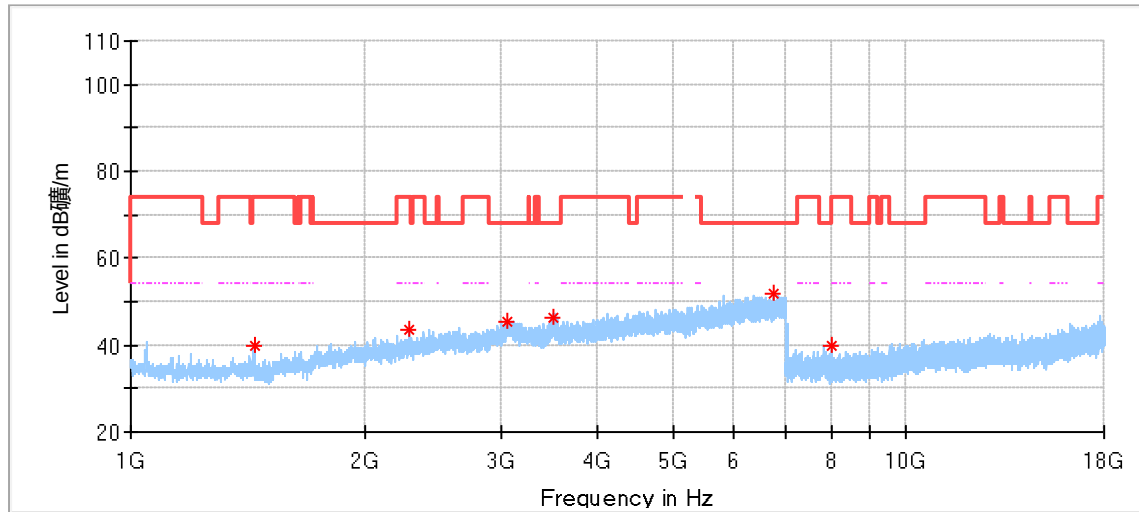
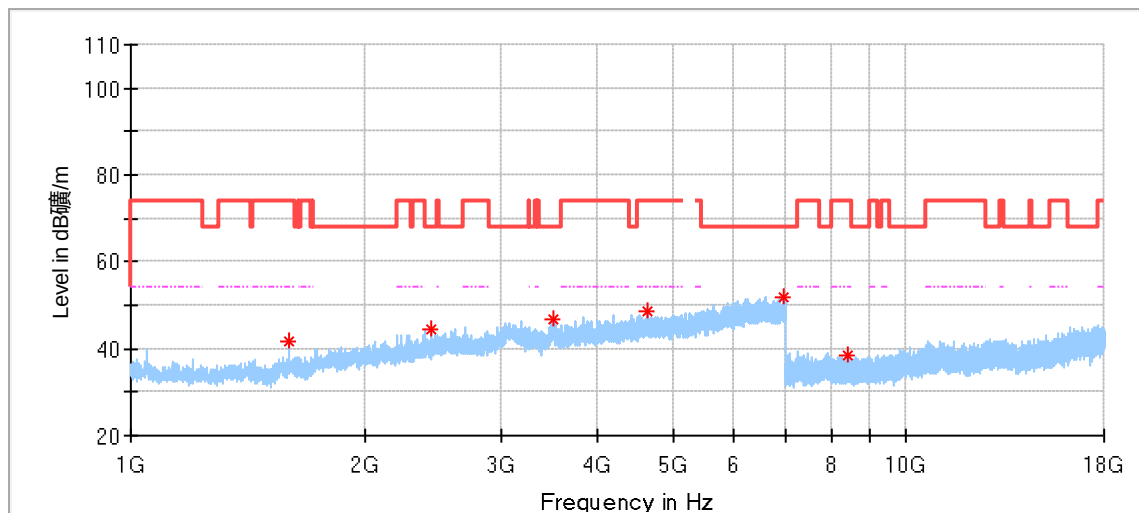
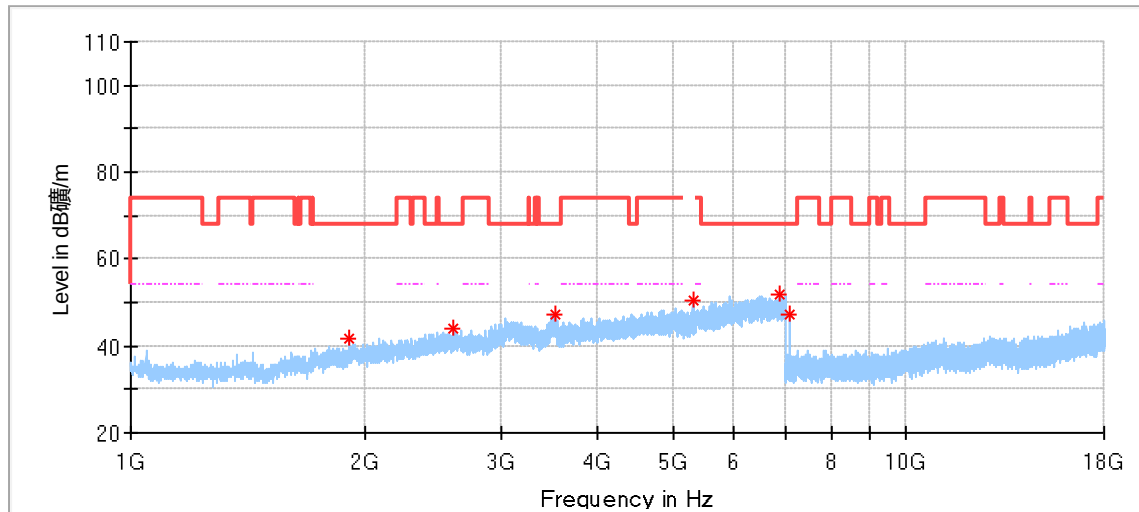


11ac40_5270MHz:**Critical Freqs**

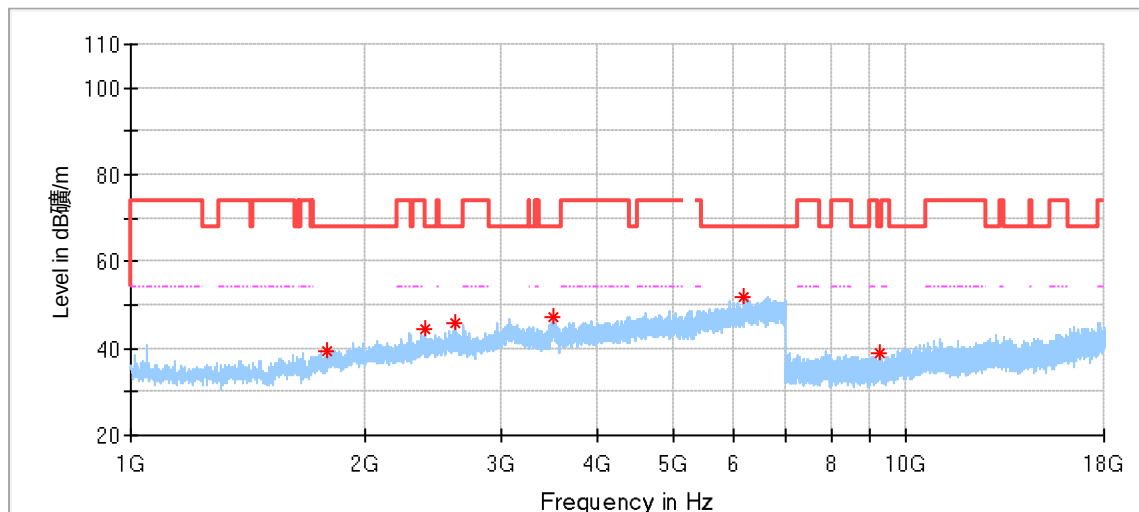
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1443.000000	40.05	74.00	33.95	150.0	H	297.0	-8.90
2289.500000	43.60	74.00	30.40	150.0	H	330.0	-3.58
3058.500000	45.53	68.20	22.67	150.0	H	254.0	1.35
3507.000000	46.20	68.20	22.00	150.0	H	1.0	3.37
6735.000000	51.64	68.20	16.56	150.0	H	20.0	8.24
7996.000000	40.00	68.20	28.20	150.0	H	235.0	6.71

**Critical Freqs**

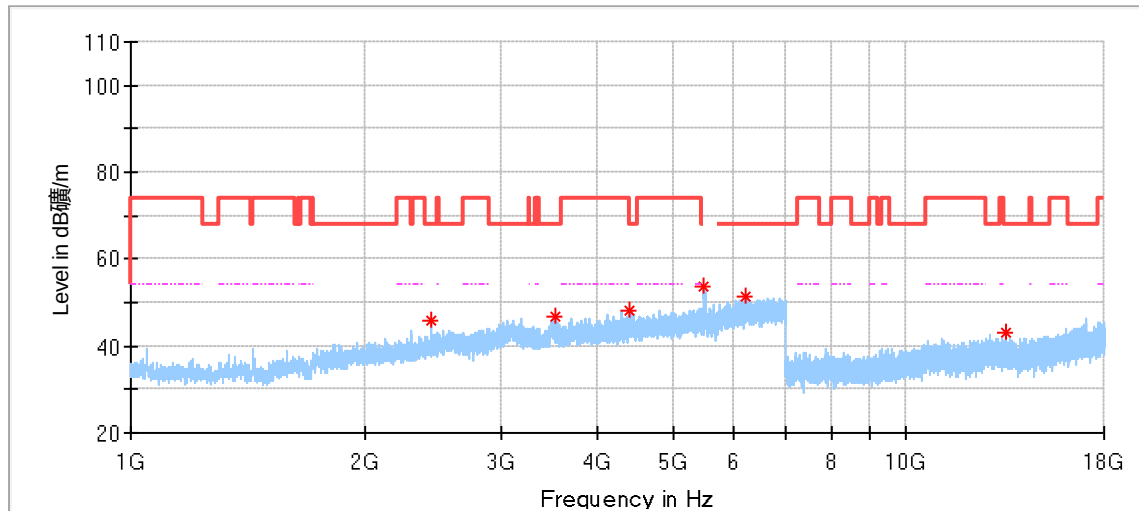
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1600.000000	41.51	74.00	32.49	150.0	V	317.0	-7.19
2440.000000	44.55	68.20	23.65	150.0	V	264.0	-2.23
3500.500000	46.70	68.20	21.50	150.0	V	10.0	3.73
4643.000000	48.64	74.00	25.36	150.0	V	324.0	3.76
6947.500000	52.05	68.20	16.15	150.0	V	16.0	8.56
8418.000000	38.38	74.00	35.62	150.0	V	175.0	6.63

11ac40_5310MHz:**Critical Freqs**

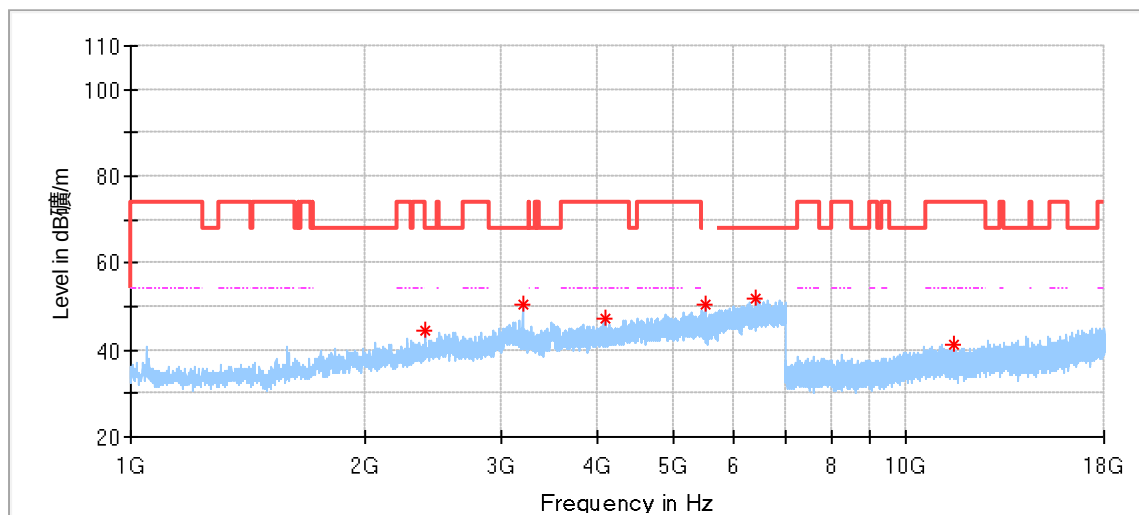
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1916.500000	41.49	68.20	26.71	150.0	H	56.0	-5.05
2609.500000	43.85	68.20	24.35	150.0	H	0.0	-1.38
3526.000000	47.45	68.20	20.75	150.0	H	217.0	2.27
5303.000000	50.59	---	---	150.0	H	23.0	5.15
6886.000000	51.96	68.20	16.24	150.0	H	14.0	8.56
7080.000000	47.13	68.20	21.07	150.0	H	133.0	5.67

**Critical Freqs**

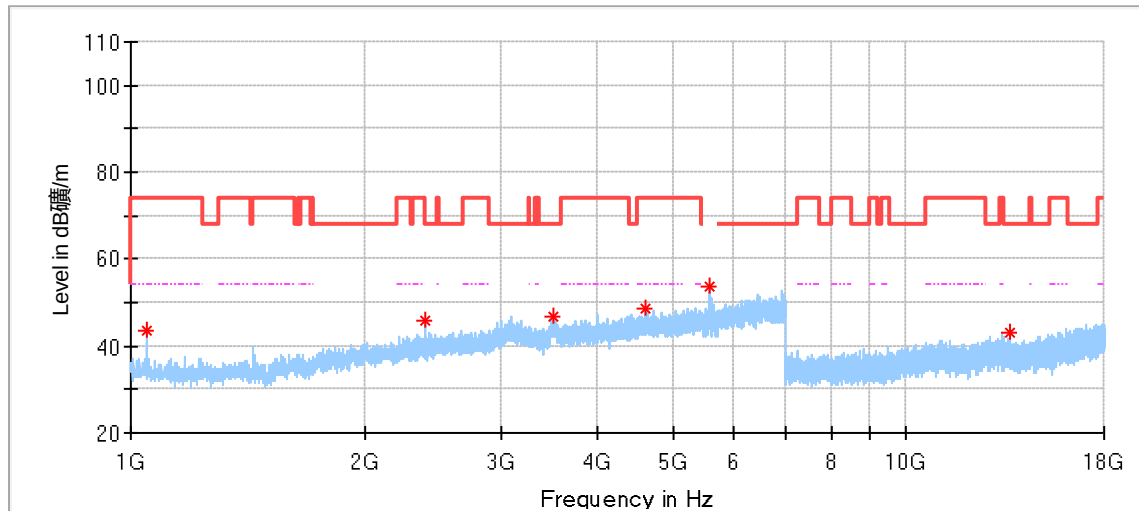
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1791.000000	39.56	68.20	28.64	150.0	V	107.0	-5.41
2390.000000	44.68	68.20	23.52	150.0	V	250.0	-2.80
2622.500000	45.90	68.20	22.30	150.0	V	324.0	-1.43
3499.500000	47.42	68.20	20.78	150.0	V	94.0	3.72
6157.500000	51.91	68.20	16.29	150.0	V	290.0	7.41
9260.000000	39.12	68.20	29.08	150.0	V	212.0	7.44

11ac40_5510MHz:**Critical Freqs**

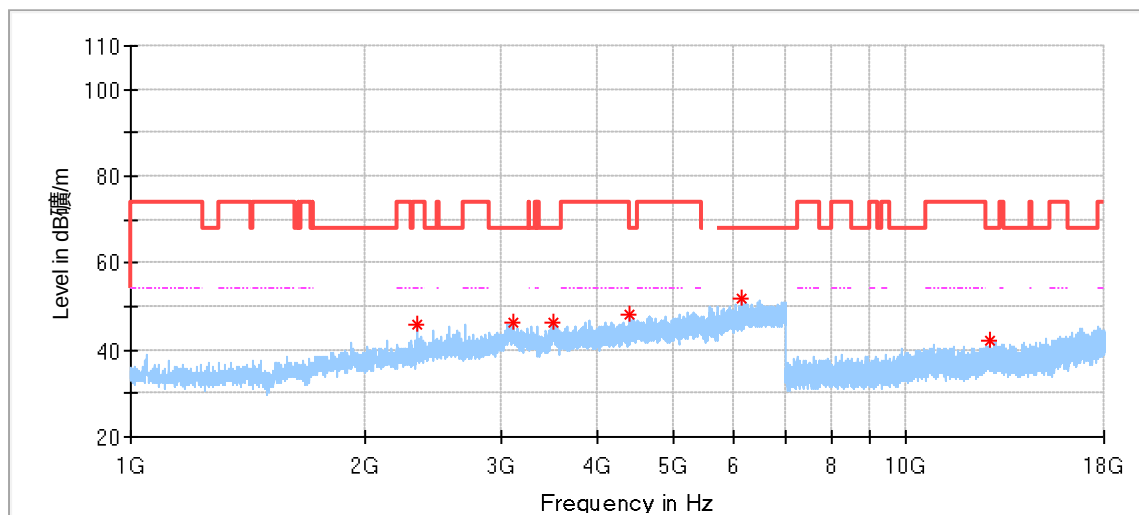
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2439.500000	46.08	68.20	22.13	150.0	H	1.0	-2.24
3529.500000	46.81	68.20	21.39	150.0	H	130.0	2.07
4407.500000	48.18	68.20	20.02	150.0	H	229.0	3.02
5493.500000	53.57	---	---	150.0	H	130.0	5.40
6209.500000	51.27	68.20	16.93	150.0	H	356.0	7.97
13424.000000	42.88	68.20	25.32	150.0	H	4.0	11.62

**Critical Freqs**

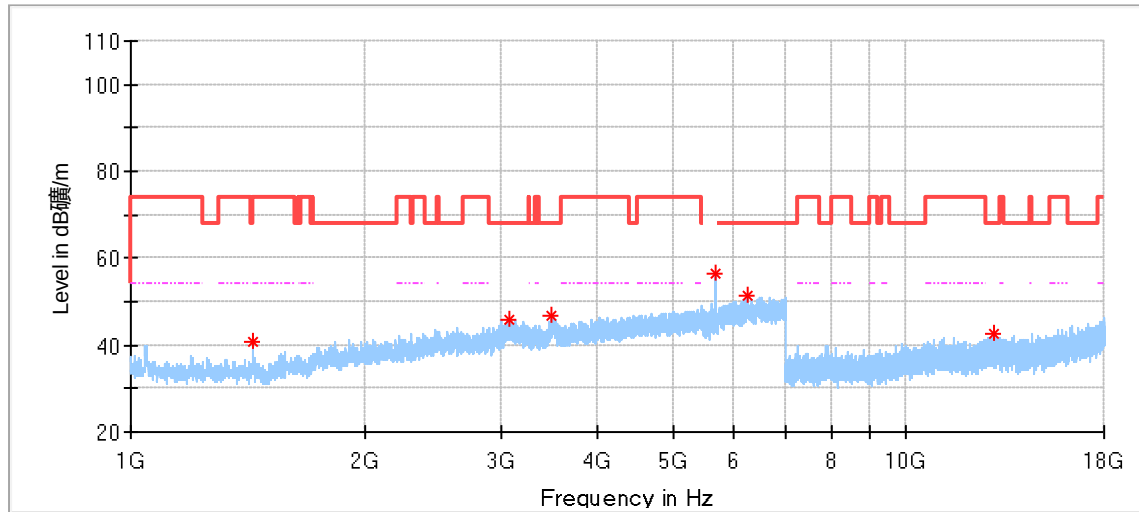
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2394.000000	44.64	68.20	23.56	150.0	V	38.0	-2.76
3199.000000	50.58	68.20	17.62	150.0	V	309.0	0.37
4091.500000	47.17	74.00	26.83	150.0	V	175.0	1.93
5496.500000	50.68	---	---	150.0	V	193.0	5.39
6414.000000	51.81	68.20	16.39	150.0	V	47.0	8.00
11545.000000	41.43	74.00	32.57	150.0	V	263.0	10.44

11ac40_5590MHz:**Critical Freqs**

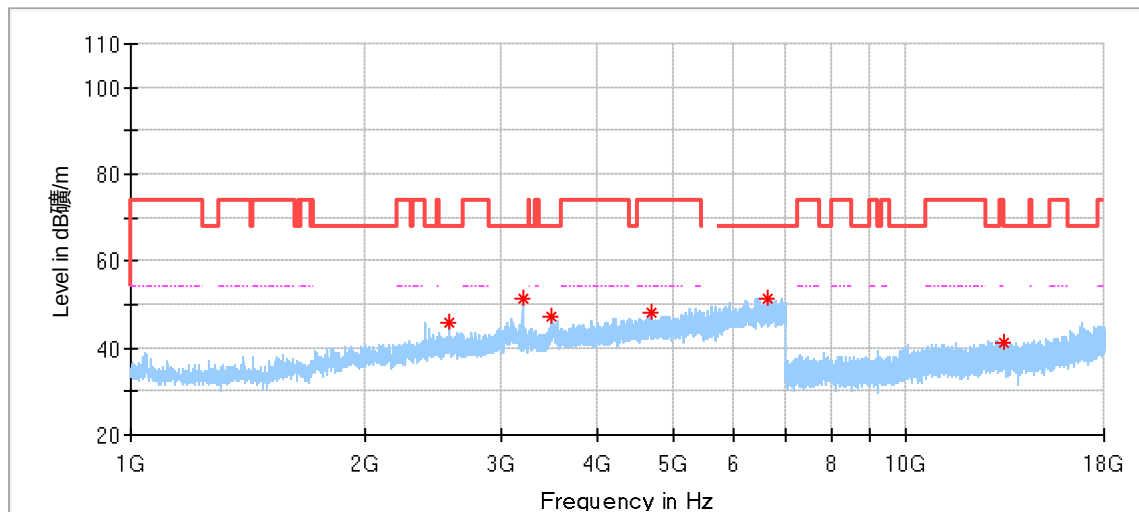
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1047.000000	43.77	74.00	30.23	150.0	H	229.0	-8.58
2395.000000	45.65	68.20	22.55	150.0	H	1.0	-2.75
3502.500000	46.70	68.20	21.50	150.0	H	77.0	3.63
4612.500000	48.65	74.00	25.35	150.0	H	148.0	3.74
5581.500000	53.61	---	---	150.0	H	166.0	5.60
13650.000000	43.13	68.20	25.07	150.0	H	201.0	11.22

**Critical Freqs**

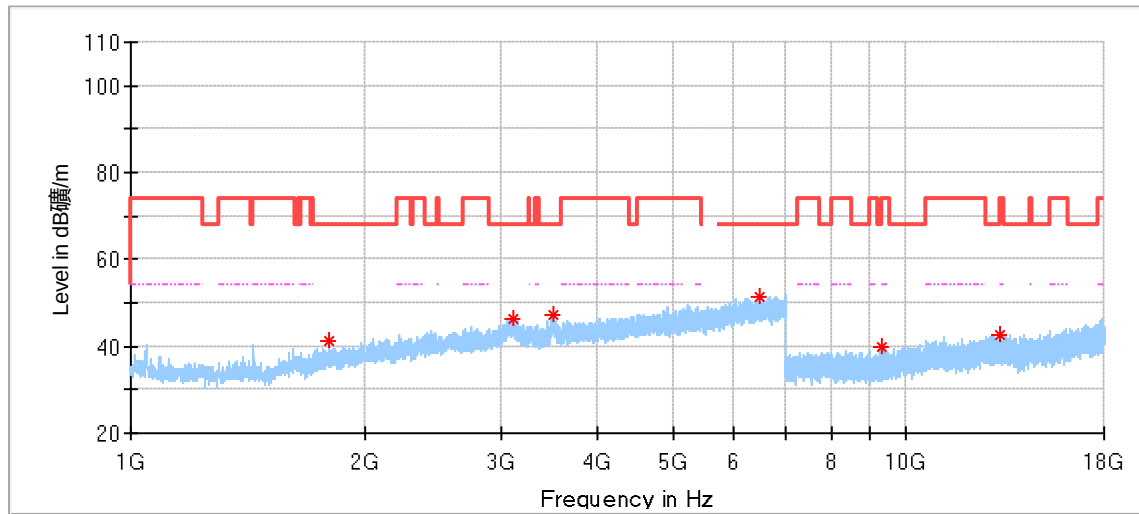
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2335.000000	45.81	74.00	28.19	150.0	V	300.0	-3.31
3105.000000	46.38	68.20	21.82	150.0	V	344.0	1.44
3498.500000	46.35	68.20	21.85	150.0	V	300.0	3.65
4405.500000	48.20	68.20	20.00	150.0	V	272.0	3.02
6145.000000	51.70	68.20	16.50	150.0	V	336.0	7.35
12821.500000	41.94	68.20	26.26	150.0	V	172.0	11.76

11ac40_5670MHz:**Critical_Freqs**

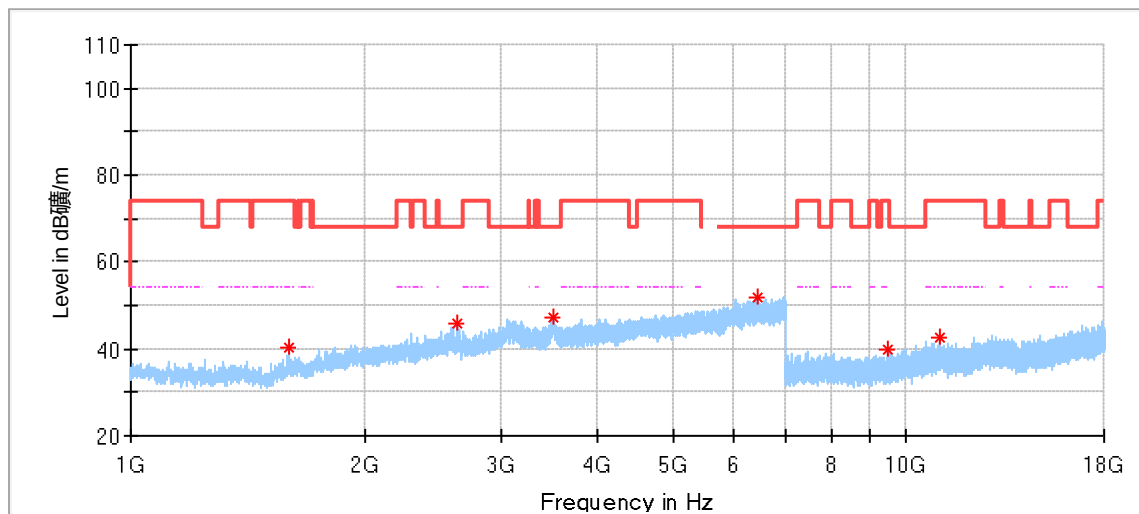
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1436.000000	40.76	74.00	33.24	150.0	H	220.0	-8.79
3075.000000	45.90	68.20	22.30	150.0	H	184.0	1.35
3485.500000	46.96	68.20	21.24	150.0	H	184.0	2.72
5687.500000	56.54	---	---	150.0	H	130.0	5.77
6254.000000	51.48	68.20	16.72	150.0	H	282.0	8.29
12982.500000	42.64	68.20	25.56	150.0	H	342.0	11.82

**Critical_Freqs**

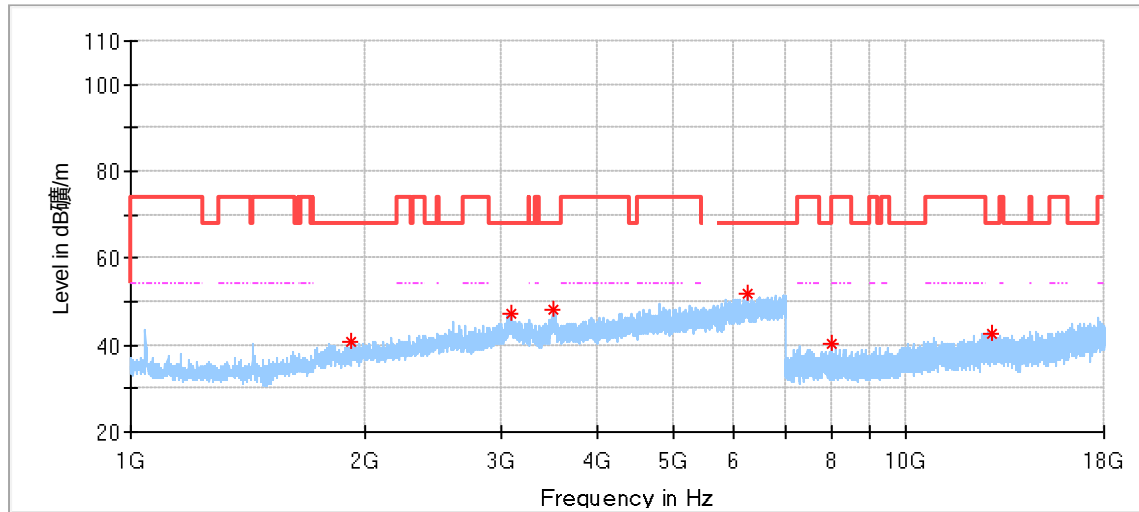
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2568.000000	45.86	68.20	22.34	150.0	V	172.0	-1.50
3199.000000	51.16	68.20	17.04	150.0	V	243.0	0.37
3495.500000	47.10	68.20	21.10	150.0	V	181.0	3.44
4698.000000	47.95	74.00	26.05	150.0	V	325.0	3.78
6612.500000	51.61	68.20	16.59	150.0	V	83.0	8.33
13395.500000	41.35	74.00	32.65	150.0	V	251.0	11.66

11ac40_5755MHz:**Critical_Freqs**

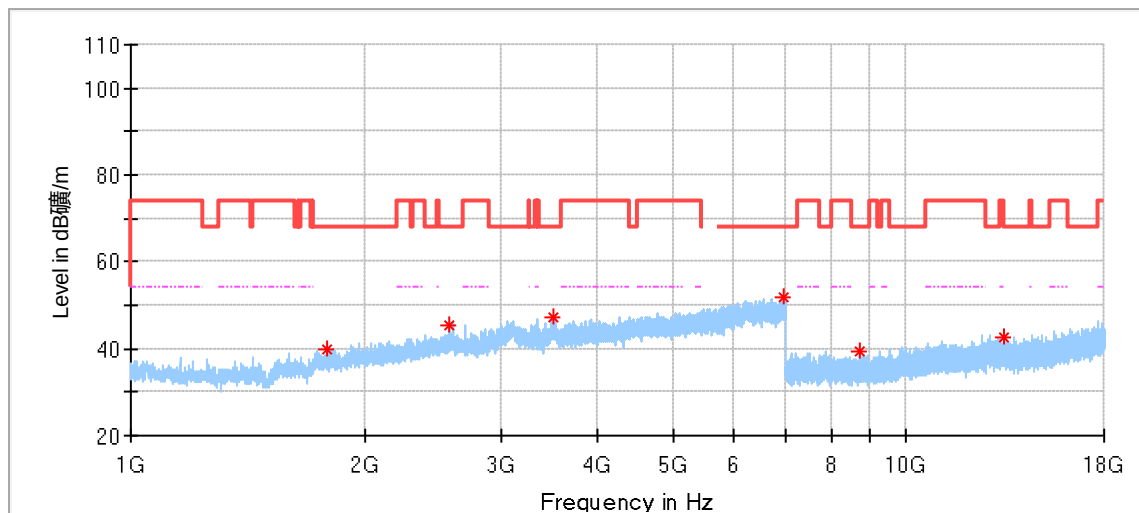
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1799.000000	41.08	68.20	27.12	150.0	H	257.0	-5.27
3110.500000	46.18	68.20	22.02	150.0	H	330.0	1.36
3511.000000	47.01	68.20	21.19	150.0	H	163.0	3.14
6471.500000	51.50	68.20	16.70	150.0	H	0.0	8.27
9278.000000	39.73	68.20	28.47	150.0	H	115.0	7.51
13175.500000	42.84	68.20	25.36	150.0	H	196.0	11.68

**Critical_Freqs**

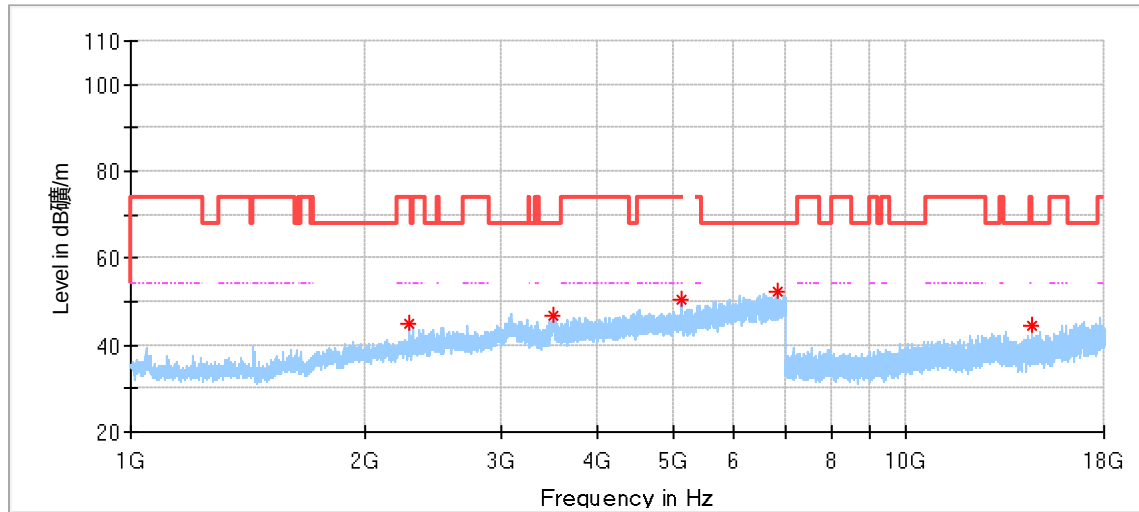
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1598.500000	40.47	74.00	33.53	150.0	V	264.0	-7.22
2641.500000	45.98	68.20	22.22	150.0	V	244.0	-1.66
3503.500000	47.06	68.20	21.14	150.0	V	96.0	3.57
6422.000000	51.74	68.20	16.46	150.0	V	123.0	8.02
9471.500000	39.64	74.00	34.36	150.0	V	85.0	7.65
11057.500000	42.67	74.00	31.33	150.0	V	287.0	10.17

11ac40_5795MHz:**Critical Freqs**

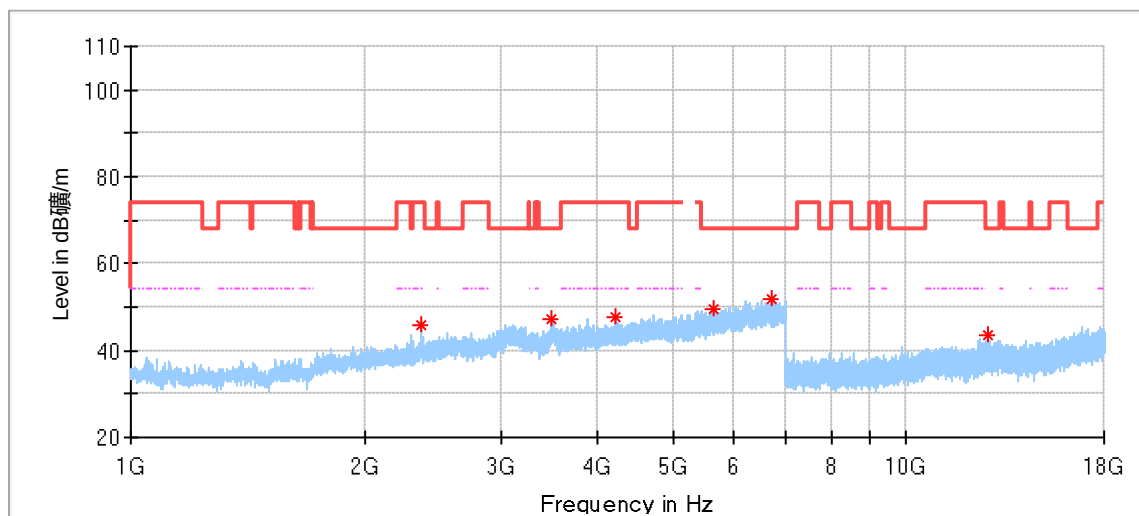
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1921.000000	40.98	68.20	27.22	150.0	H	223.0	-4.99
3102.000000	47.16	68.20	21.04	150.0	H	203.0	1.48
3510.000000	48.01	68.20	20.19	150.0	H	203.0	3.20
6251.000000	51.70	68.20	16.50	150.0	H	40.0	8.31
8011.500000	40.11	68.20	28.09	150.0	H	334.0	6.71
12880.500000	42.61	68.20	25.59	150.0	H	252.0	11.77

**Critical Freqs**

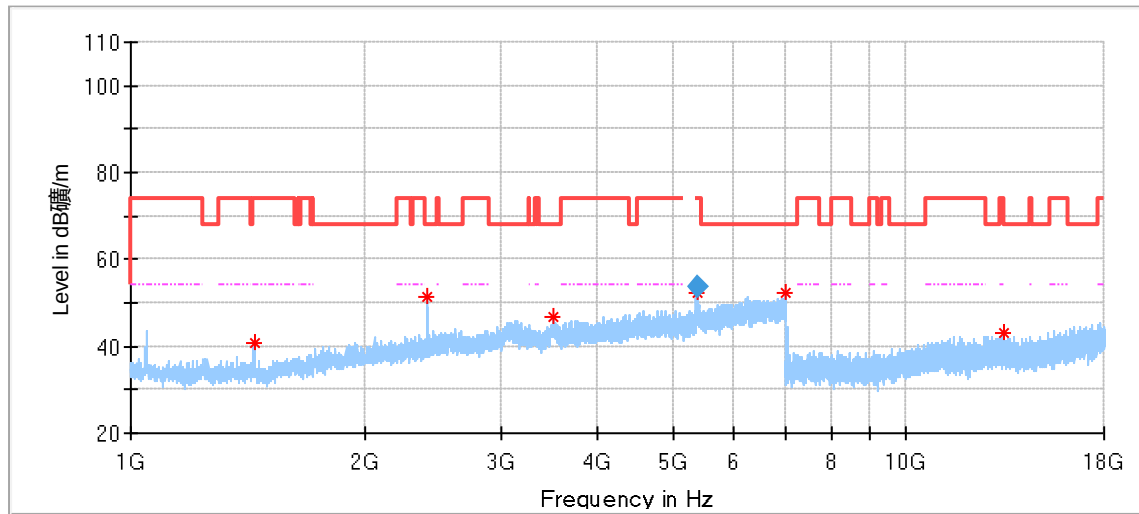
Frequency (MHz)	MaxPeak (dB μ V/m)	Limit (dB μ V/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1789.000000	39.98	68.20	28.22	150.0	V	76.0	-5.44
2578.500000	45.53	68.20	22.67	150.0	V	96.0	-1.44
3506.500000	47.16	68.20	21.04	150.0	V	243.0	3.40
6960.000000	51.85	68.20	16.35	150.0	V	76.0	8.55
8717.500000	39.55	68.20	28.65	150.0	V	291.0	6.93
13364.000000	42.83	74.00	31.17	150.0	V	331.0	11.64

11ac80_5210MHz:**Critical Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2290.500000	45.14	74.00	28.86	150.0	H	330.0	-3.57
3509.000000	46.90	68.20	21.30	150.0	H	153.0	3.25
5126.500000	50.24	74.00	23.76	150.0	H	160.0	4.76
6808.500000	52.11	68.20	16.09	150.0	H	0.0	8.39
14494.000000	44.27	74.00	29.73	150.0	H	171.0	12.02

**Critical Freqs**

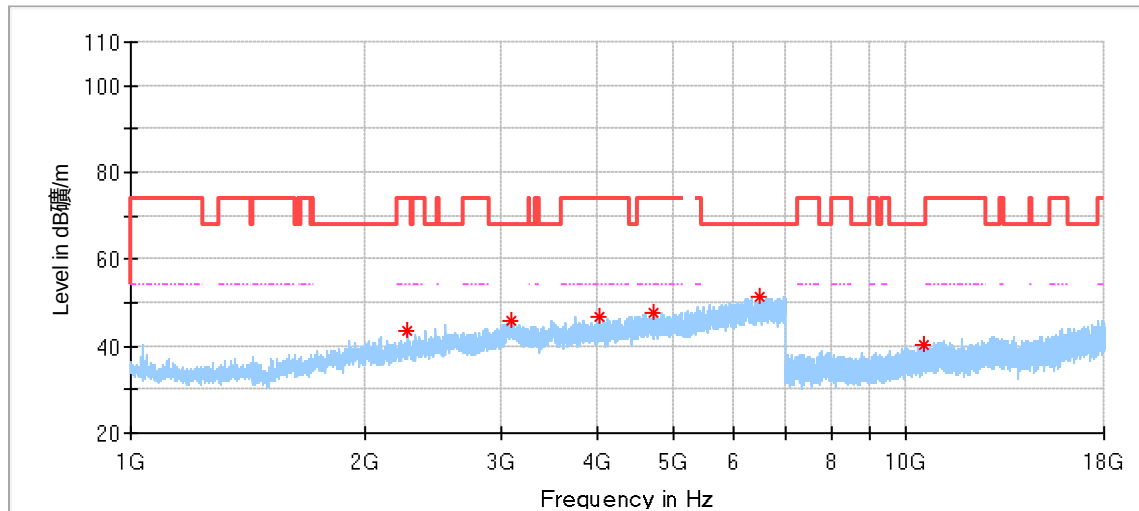
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2370.000000	45.97	74.00	28.03	150.0	V	318.0	-2.99
3488.500000	47.34	68.20	20.86	150.0	V	166.0	2.93
4217.500000	47.85	74.00	26.15	150.0	V	1.0	2.14
5634.000000	49.41	68.20	18.79	150.0	V	148.0	5.71
6689.500000	52.05	68.20	16.15	150.0	V	4.0	8.26
12742.000000	43.63	68.20	24.57	150.0	V	282.0	11.67

11ac80_5290MHz:**Critical_Freqs**

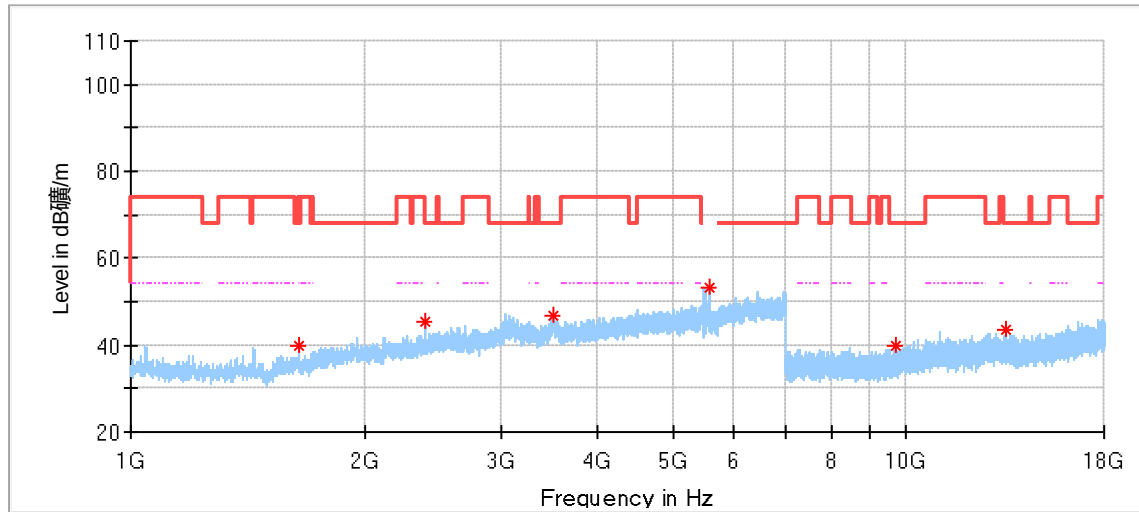
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1443.000000	40.80	74.00	33.20	150.0	H	300.0	-8.90
2417.000000	51.49	68.20	16.71	150.0	H	282.0	-2.48
3514.500000	46.87	68.20	21.33	150.0	H	255.0	2.93
5375.000000	52.20	74.00	21.80	150.0	H	127.0	5.25
6977.500000	52.11	68.20	16.09	150.0	H	100.0	8.75
13366.500000	43.21	74.00	30.79	150.0	H	60.0	11.64

Final Result

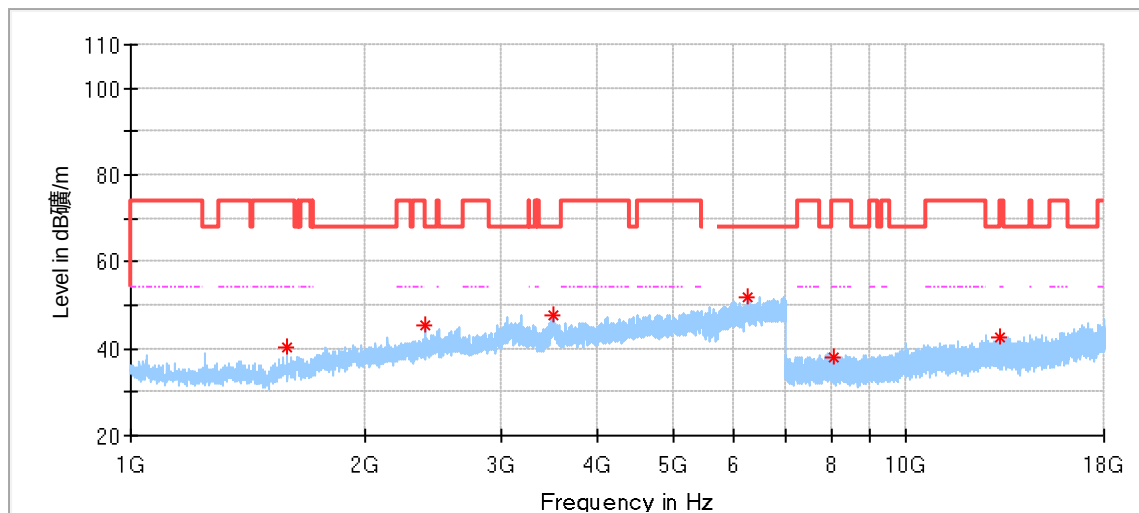
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5375.000000	53.85	54.00	0.15	150.0	H	127.0	5.25

**Critical_Freqs**

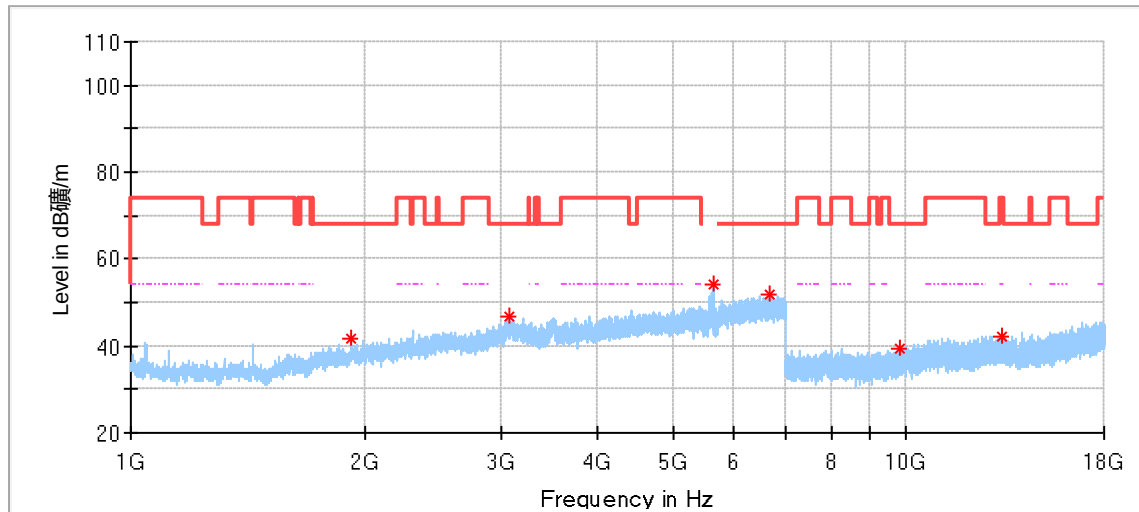
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2278.500000	43.44	74.00	30.56	150.0	V	202.0	-3.56
3104.500000	45.93	68.20	22.27	150.0	V	300.0	1.45
4016.000000	46.61	74.00	27.39	150.0	V	65.0	1.74
4727.500000	47.90	74.00	26.10	150.0	V	29.0	3.78
6471.000000	51.41	68.20	16.79	150.0	V	327.0	8.27
10544.000000	40.52	68.20	27.68	150.0	V	88.0	9.27

11ac80_5530MHz:**Critical Freqs**

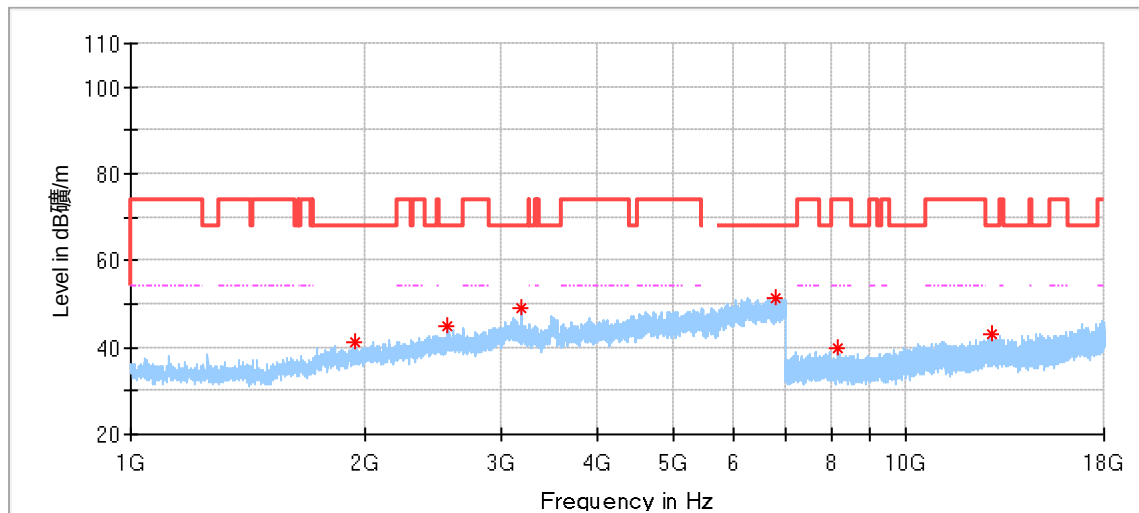
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1649.000000	39.95	68.20	28.25	150.0	H	163.0	-7.35
2397.000000	45.58	68.20	22.62	150.0	H	277.0	-2.73
3509.500000	46.68	68.20	21.52	150.0	H	339.0	3.23
5565.500000	53.22	---	---	150.0	H	103.0	5.58
9670.000000	39.85	68.20	28.35	150.0	H	61.0	7.97
13450.000000	43.59	68.20	24.61	150.0	H	356.0	11.59

**Critical Freqs**

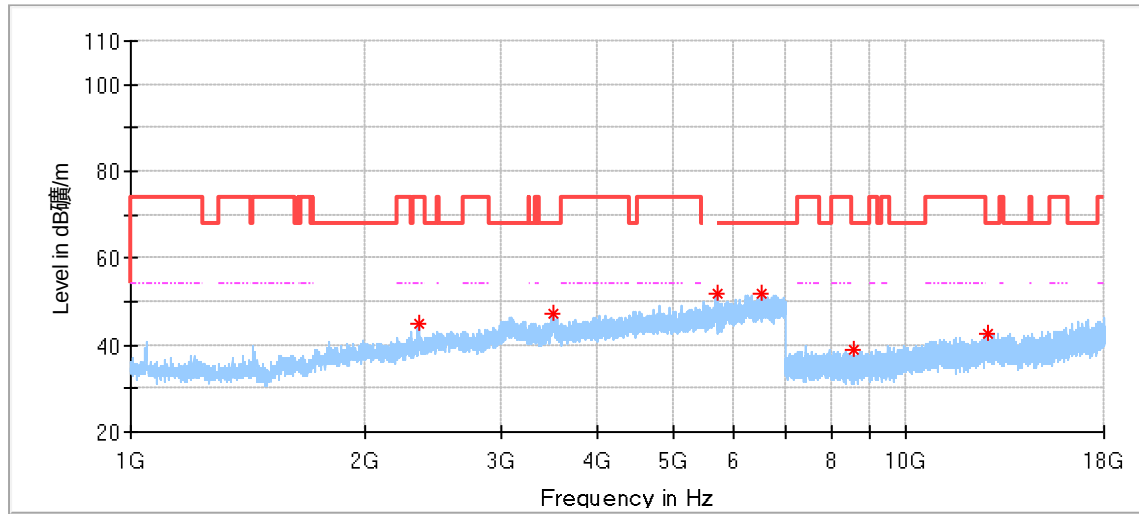
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1593.000000	40.17	74.00	33.83	150.0	V	266.0	-7.30
2393.000000	45.29	68.20	22.91	150.0	V	179.0	-2.77
3508.000000	47.50	68.20	20.70	150.0	V	226.0	3.31
6245.500000	51.95	68.20	16.25	150.0	V	0.0	8.36
8071.500000	38.01	74.00	35.99	150.0	V	85.0	6.59
13248.000000	42.85	68.20	25.35	150.0	V	85.0	11.61

11ac80_5610MHz:**Critical Freqs**

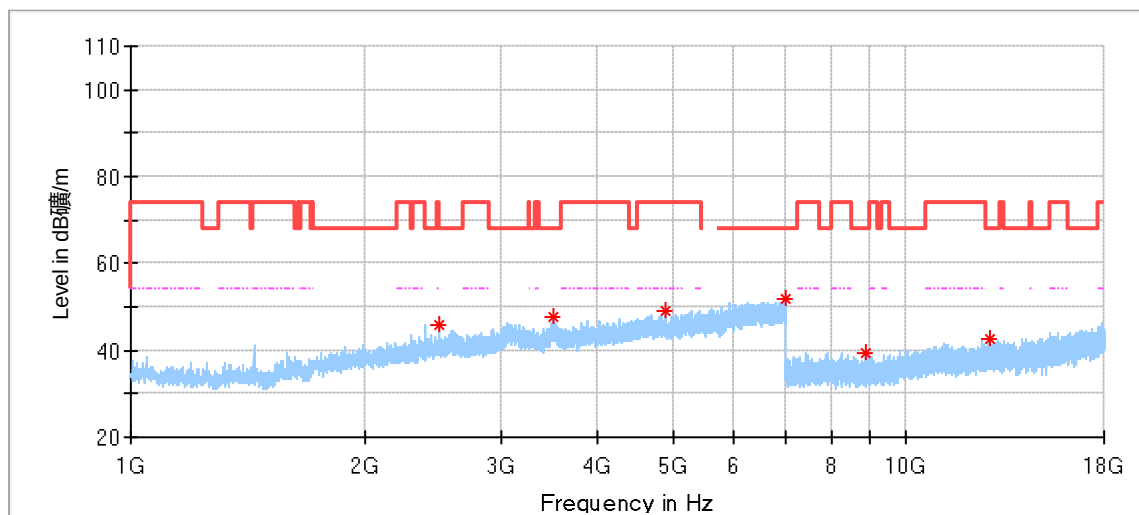
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1926.000000	41.56	68.20	26.64	150.0	H	16.0	-4.92
3071.000000	46.90	68.20	21.30	150.0	H	137.0	1.35
5643.000000	54.17	---	---	150.0	H	70.0	5.73
6686.000000	51.63	68.20	16.57	150.0	H	183.0	8.27
9823.500000	39.54	68.20	28.66	150.0	H	27.0	8.27
13330.000000	42.26	74.00	31.74	150.0	H	311.0	11.61

**Critical Freqs**

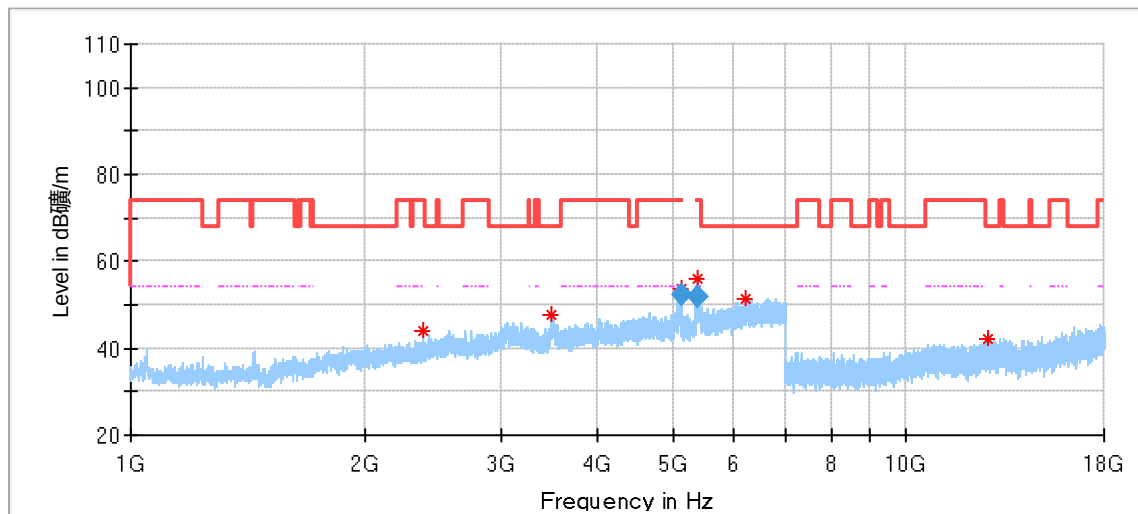
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1942.000000	41.04	68.20	27.16	150.0	V	219.0	-4.73
2559.000000	44.83	68.20	23.37	150.0	V	253.0	-1.57
3193.000000	49.23	68.20	18.97	150.0	V	253.0	0.40
6792.000000	51.53	68.20	16.67	150.0	V	206.0	8.36
8167.500000	39.65	74.00	34.35	150.0	V	45.0	6.58
12869.500000	43.15	68.20	25.05	150.0	V	333.0	11.77

11ac80_5775MHz:**Critical Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2352.000000	44.73	74.00	29.27	150.0	H	272.0	-3.14
3514.000000	47.23	68.20	20.97	150.0	H	95.0	2.96
5697.500000	51.79	---	---	150.0	H	95.0	5.78
6506.500000	52.06	68.20	16.14	150.0	H	178.0	8.29
8574.000000	38.82	68.20	29.38	150.0	H	102.0	6.69
12737.000000	42.56	68.20	25.64	150.0	H	83.0	11.67

**Critical Freqs**

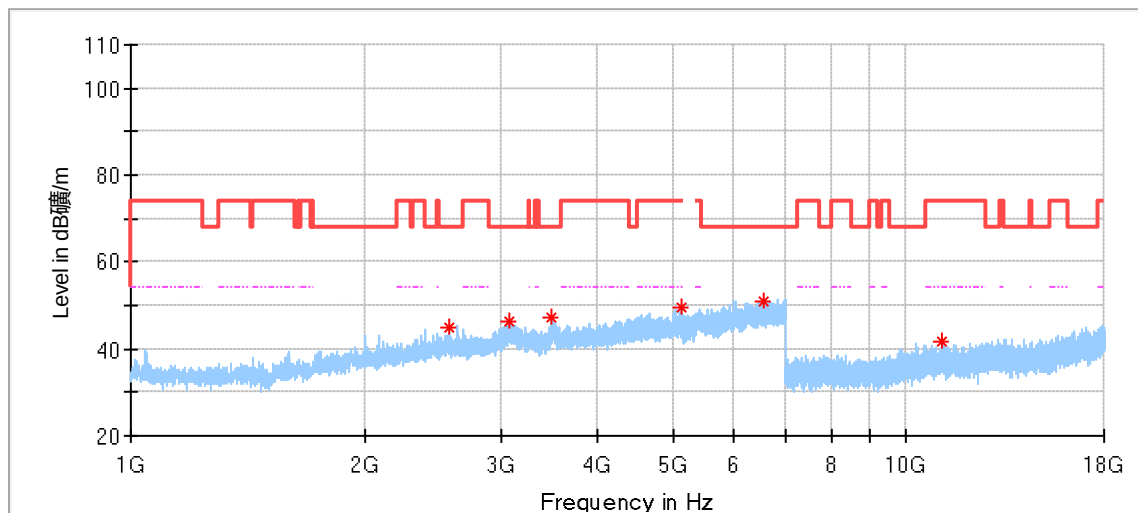
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2500.000000	46.05	68.20	22.15	150.0	V	170.0	-2.09
3501.000000	47.59	68.20	20.61	150.0	V	230.0	3.71
4903.000000	49.16	74.00	24.84	150.0	V	110.0	4.09
6987.500000	51.76	68.20	16.44	150.0	V	210.0	8.87
8855.500000	39.53	68.20	28.67	150.0	V	127.0	7.08
12842.000000	42.78	68.20	25.42	150.0	V	28.0	11.77

11ac160_5250MHz:**Critical_Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2385.000000	43.94	74.00	30.06	150.0	H	33.0	-2.85
3492.500000	47.50	68.20	20.70	150.0	H	51.0	3.22
5124.500000	53.73	74.00	20.27	150.0	H	123.0	4.75
5397.000000	56.01	74.00	17.99	150.0	H	114.0	5.48
6214.500000	51.42	68.20	16.78	150.0	H	78.0	8.05
12748.500000	41.94	68.20	26.26	150.0	H	244.0	11.68

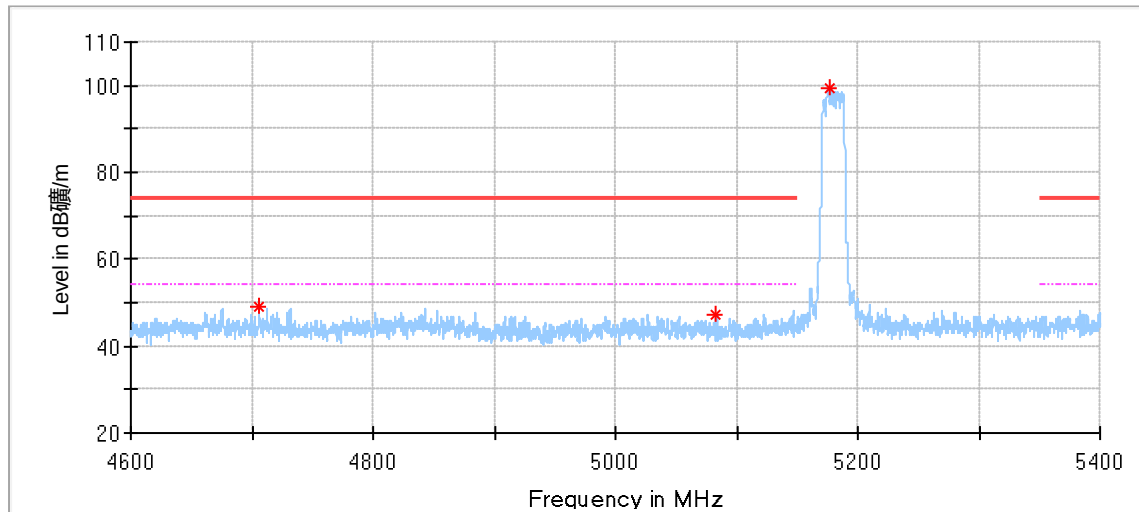
Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5124.500000	52.35	54.00	1.65	150.0	H	123.0	4.75
5397.000000	51.93	54.00	2.07	150.0	H	114.0	5.48

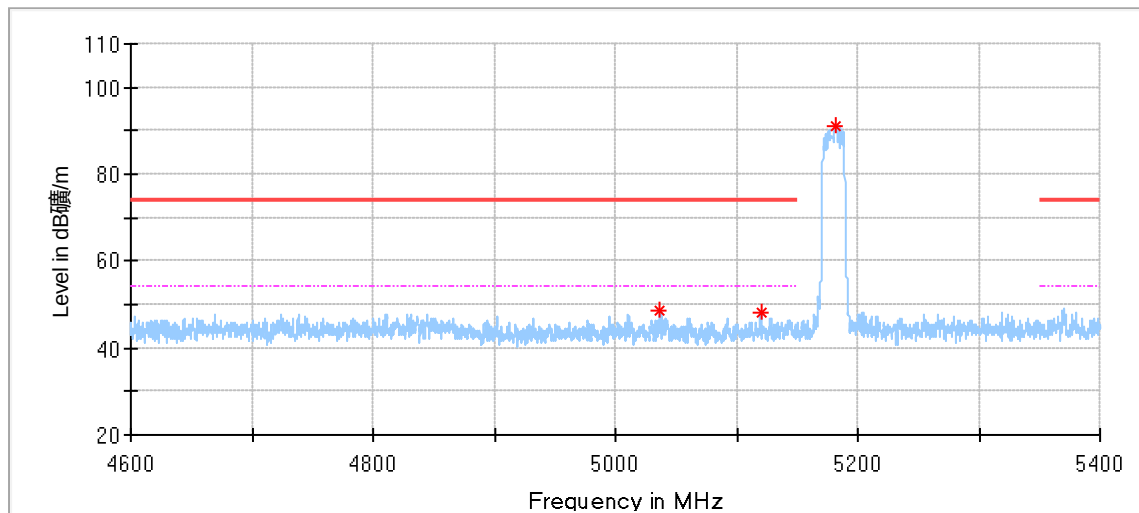
**Critical_Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2577.000000	45.04	68.20	23.16	150.0	V	338.0	-1.44
3083.000000	46.29	68.20	21.91	150.0	V	282.0	1.38
3495.000000	47.07	68.20	21.13	150.0	V	9.0	3.40
5126.000000	49.55	74.00	24.45	150.0	V	192.0	4.76
6562.500000	51.03	68.20	17.17	150.0	V	228.0	8.21
11144.000000	41.83	74.00	32.17	150.0	V	108.0	10.34

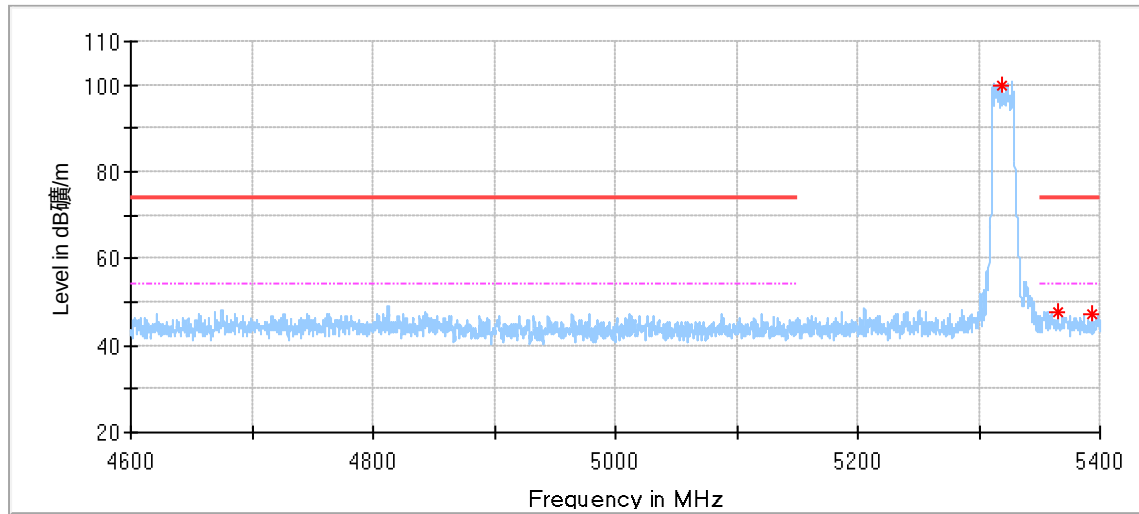
11ac160_5570MHz:

Band Edge (Radiated Mode):
11ac_5180MHz:**Critical Freqs**

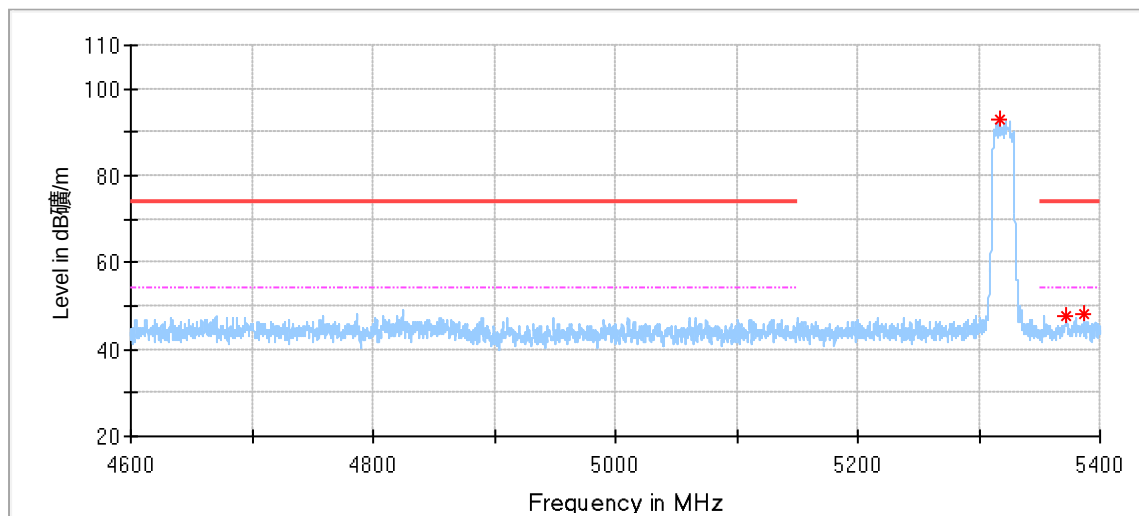
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4706.266667	48.87	74.00	25.13	150.0	H	1.0	2.78
5083.400000	47.11	74.00	26.89	150.0	H	214.0	3.43
5177.533333	99.60	---	---	150.0	H	101.0	3.79

**Critical Freqs**

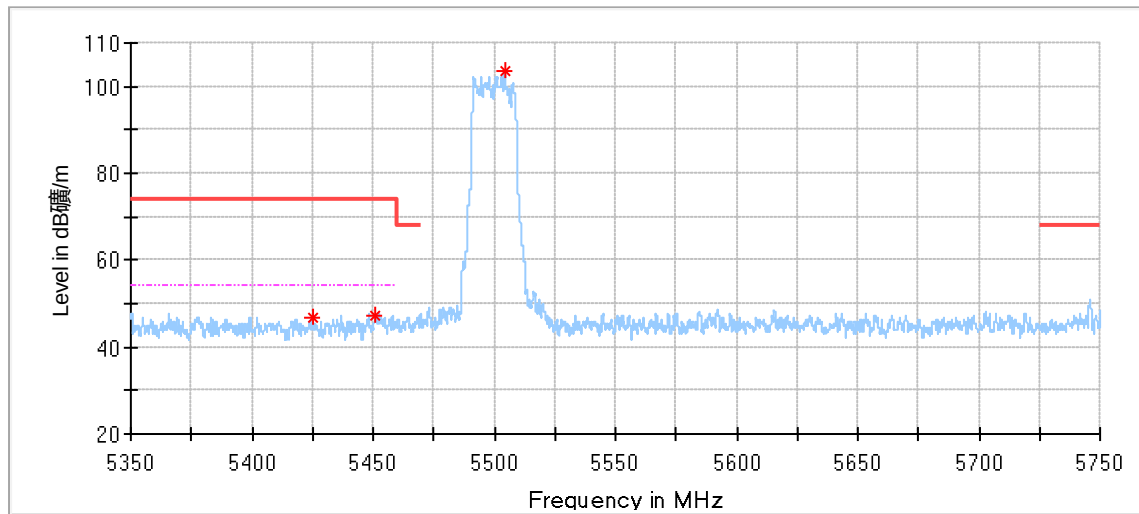
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5036.866667	48.72	74.00	25.28	150.0	V	348.0	3.38
5119.933333	47.99	74.00	26.01	150.0	V	14.0	3.61
5181.333333	90.99	---	---	150.0	V	262.0	3.79

11ac_5320MHz:**Critical Freqs**

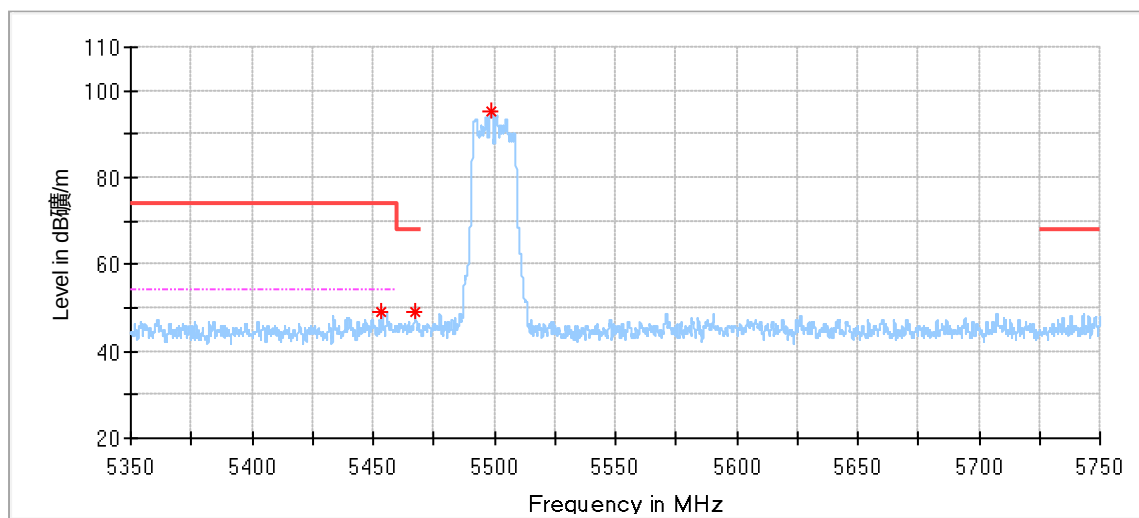
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5319.200000	99.88	---	---	150.0	H	65.0	4.13
5364.933333	47.62	74.00	26.38	150.0	H	349.0	4.17
5393.000000	47.10	74.00	26.90	150.0	H	65.0	4.30

**Critical Freqs**

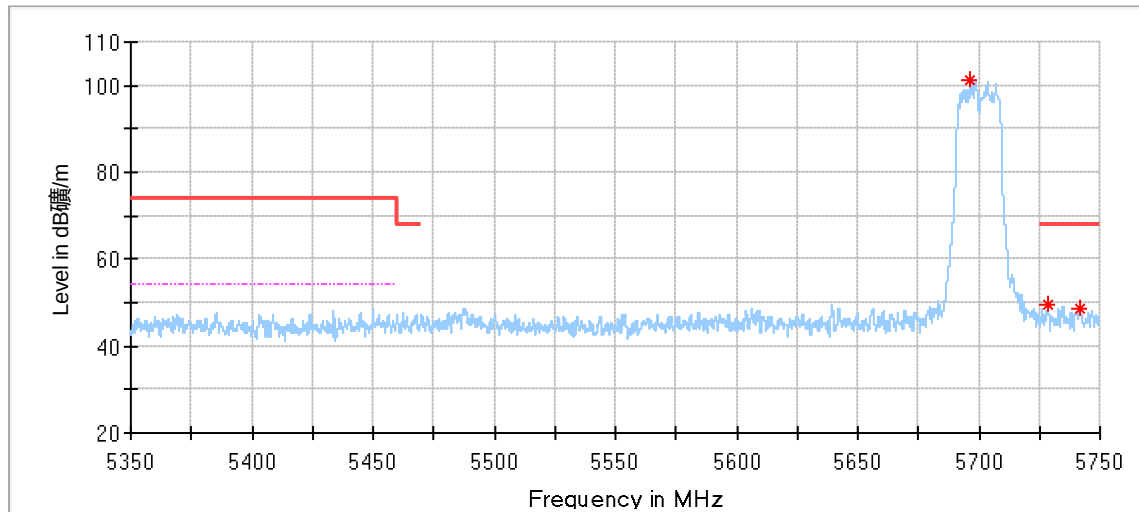
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5316.666667	93.06	---	---	150.0	V	289.0	4.12
5372.000000	47.90	74.00	26.10	150.0	V	39.0	4.19
5387.266667	48.11	74.00	25.89	150.0	V	274.0	4.27

11ac_5500MHz:**Critical_Freqs**

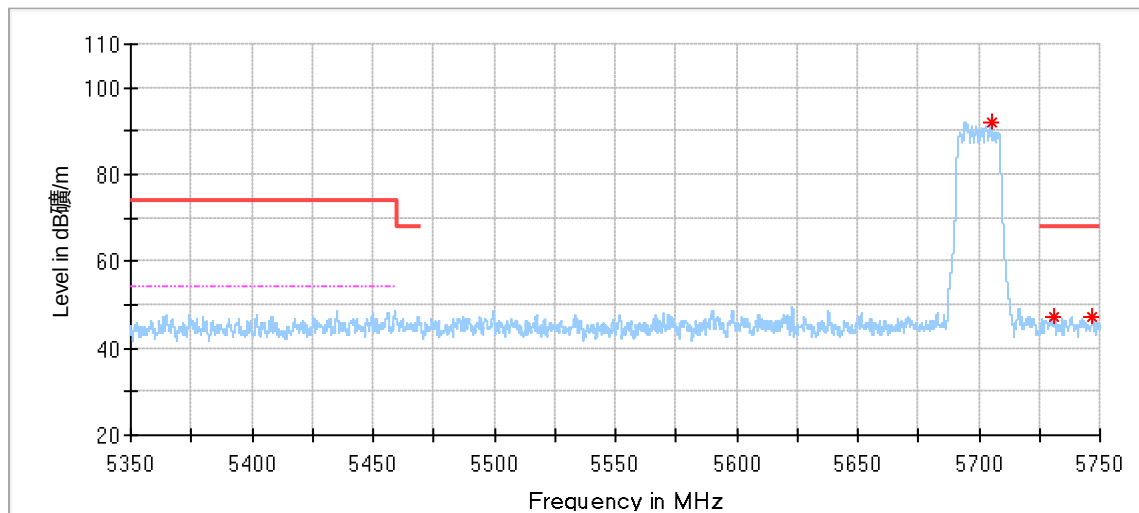
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5424.900000	46.80	74.00	27.21	150.0	H	242.0	4.38
5450.766667	47.36	74.00	26.64	150.0	H	168.0	4.57
5504.333333	103.56	---	---	150.0	H	80.0	4.66

**Critical_Freqs**

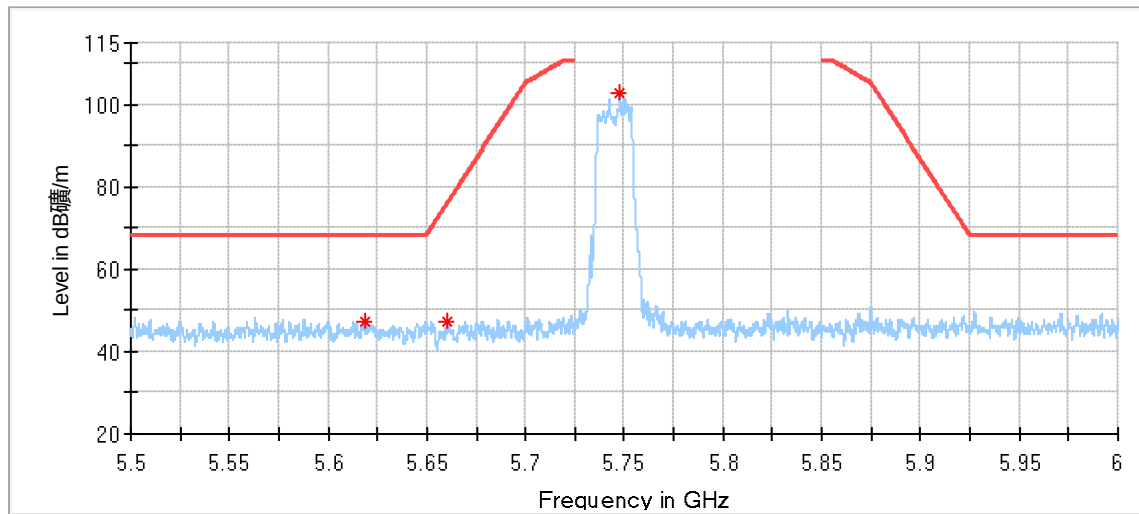
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5453.700000	48.86	74.00	25.14	150.0	V	51.0	4.60
5467.433333	48.99	68.20	19.21	150.0	V	307.0	4.71
5499.066667	95.04	---	---	150.0	V	190.0	4.68

11ac_5700MHz:**Critical Freqs**

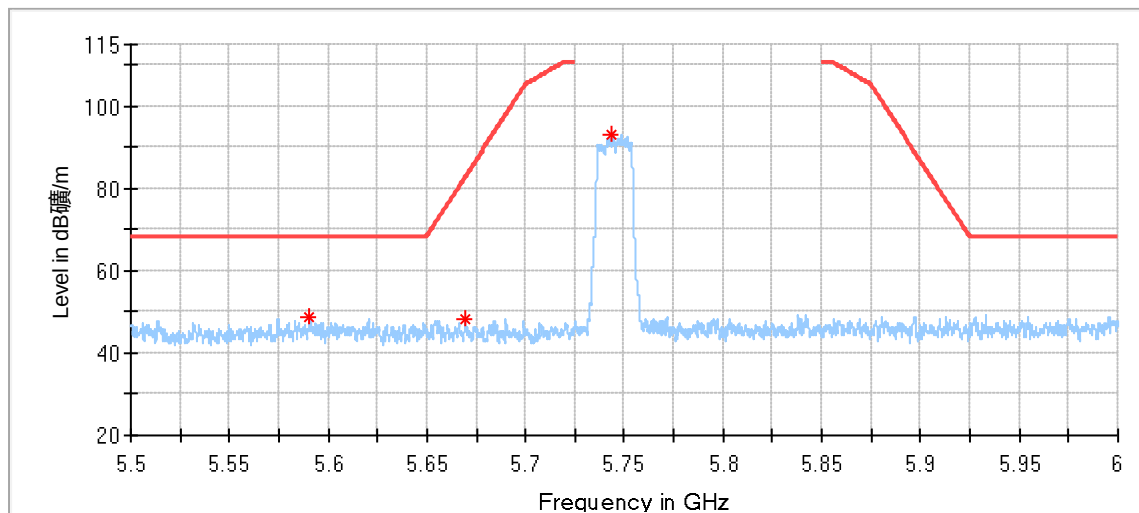
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5696.633333	101.18	---	---	150.0	H	99.0	4.65
5728.466667	49.52	68.20	18.68	150.0	H	151.0	4.75
5741.466667	48.63	68.20	19.57	150.0	H	166.0	4.80

**Critical Freqs**

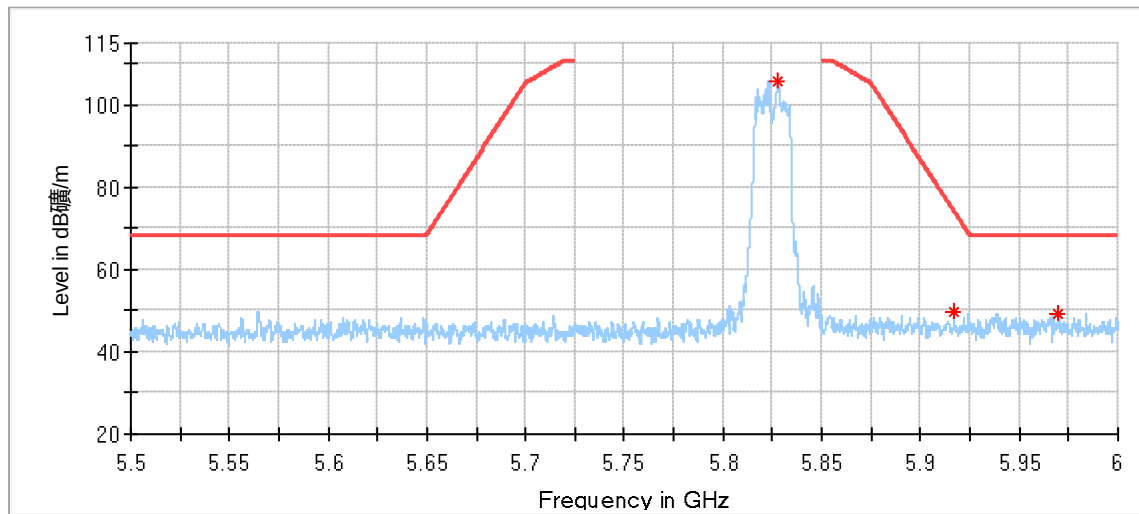
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5705.066667	91.94	---	---	150.0	V	295.0	4.67
5730.966667	47.28	68.20	20.92	150.0	V	347.0	4.76
5747.100000	47.07	68.20	21.13	150.0	V	59.0	4.82

11ac_5745MHz:**Critical Freqs**

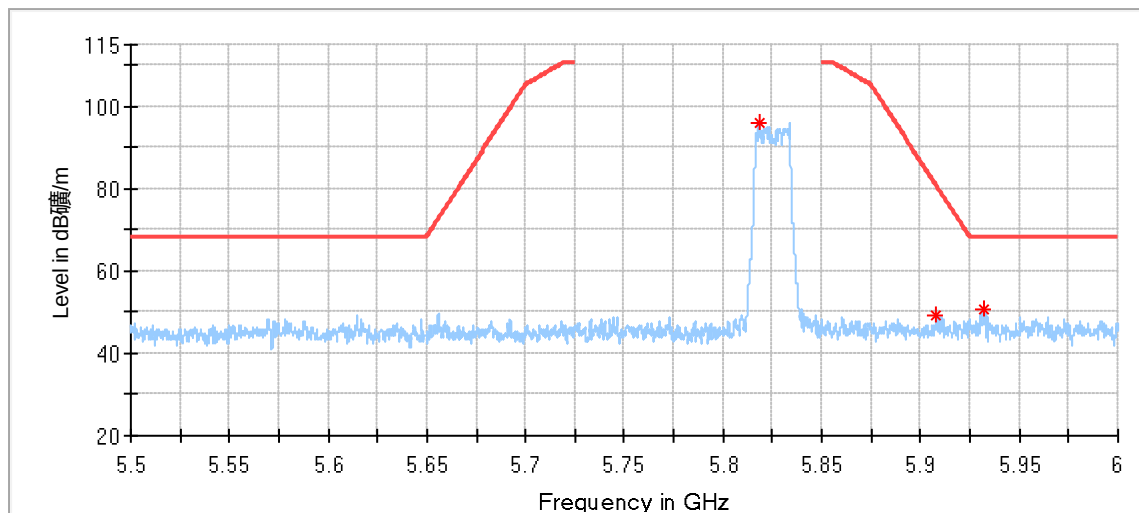
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5619.166667	47.50	68.20	20.70	150.0	H	25.0	4.61
5660.625000	47.48	76.06	28.58	150.0	H	179.0	4.63
5747.666667	102.72	---	---	150.0	H	113.0	4.82

**Critical Freqs**

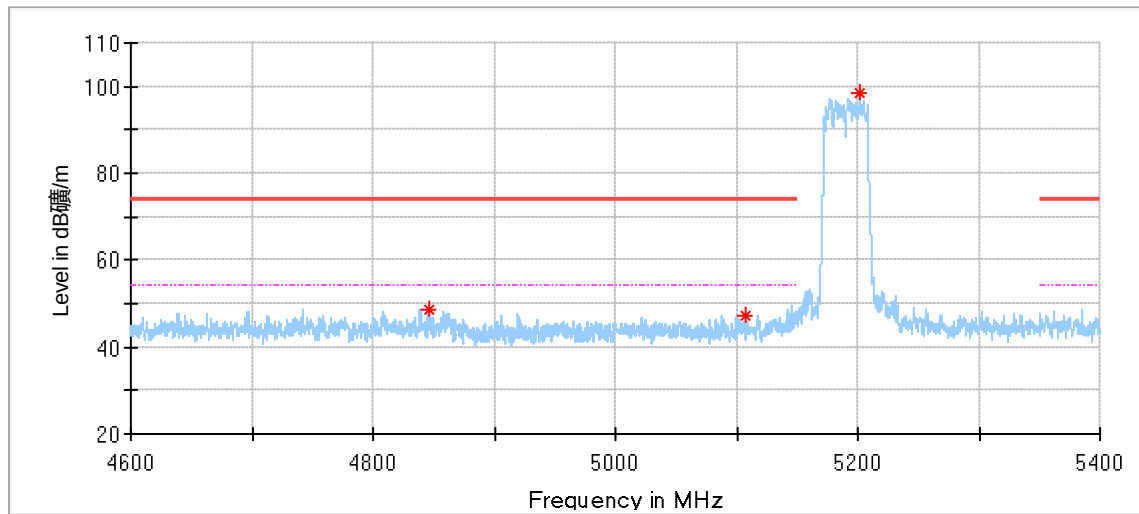
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5590.375000	48.87	68.20	19.33	150.0	V	203.0	4.60
5669.583333	48.11	82.69	34.58	150.0	V	159.0	4.64
5743.833333	93.23	---	---	150.0	V	288.0	4.80

11ac_5825MHz:**Critical Freqs**

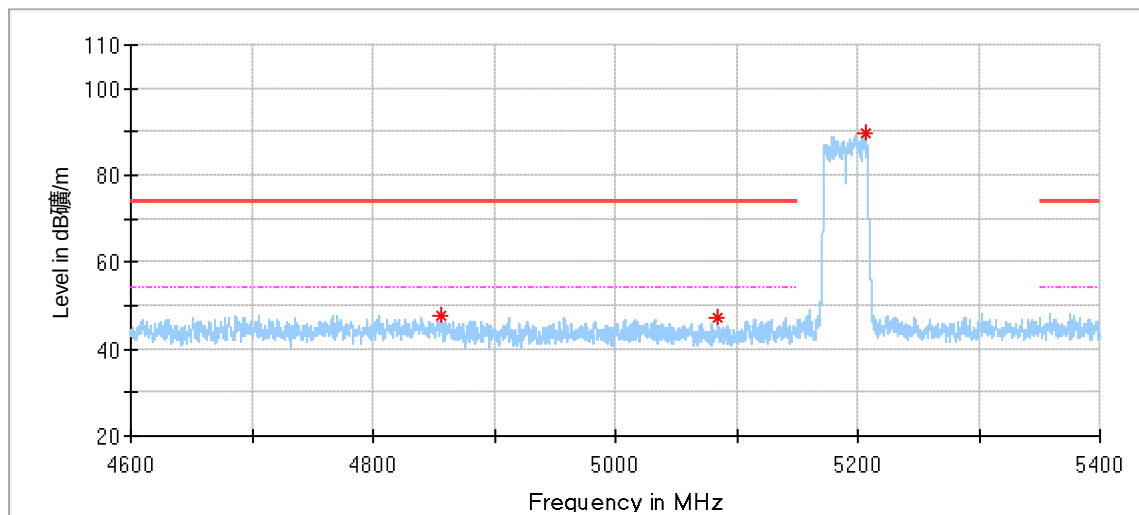
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5827.500000	105.71	---	---	150.0	H	115.0	5.33
5916.791667	49.93	74.27	24.34	150.0	H	86.0	5.62
5969.333333	49.44	68.20	18.76	150.0	H	356.0	5.67

**Critical Freqs**

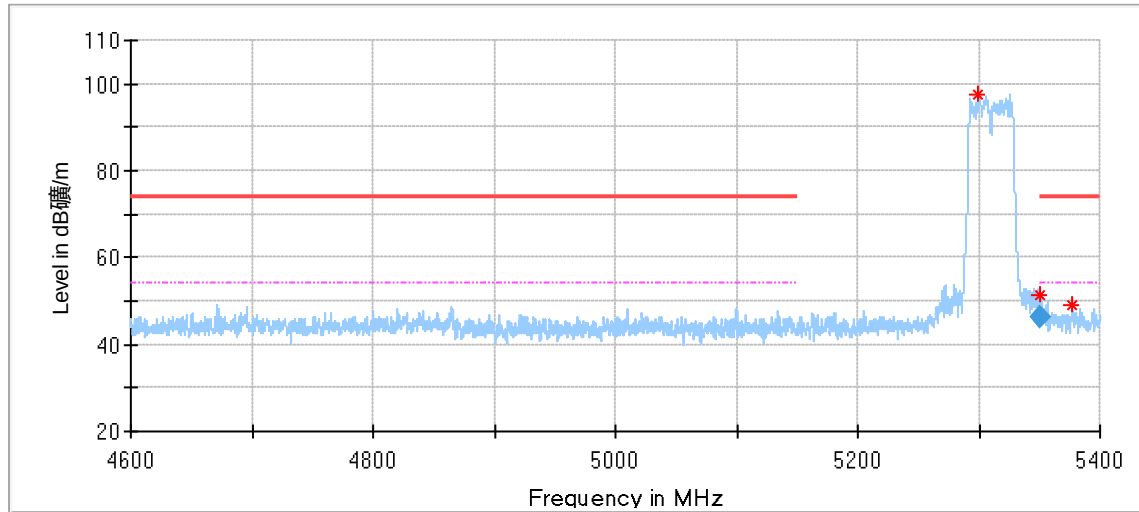
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5818.000000	96.06	---	---	150.0	V	295.0	5.28
5908.125000	49.40	80.69	31.29	150.0	V	243.0	5.61
5932.000000	50.53	68.20	17.67	150.0	V	287.0	5.62

11ac40_5190MHz:**Critical Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4845.466667	48.65	74.00	25.35	150.0	H	351.0	3.08
5107.933333	47.31	74.00	26.69	150.0	H	0.0	3.55
5201.533333	98.69	---	---	150.0	H	97.0	3.79

**Critical Freqs**

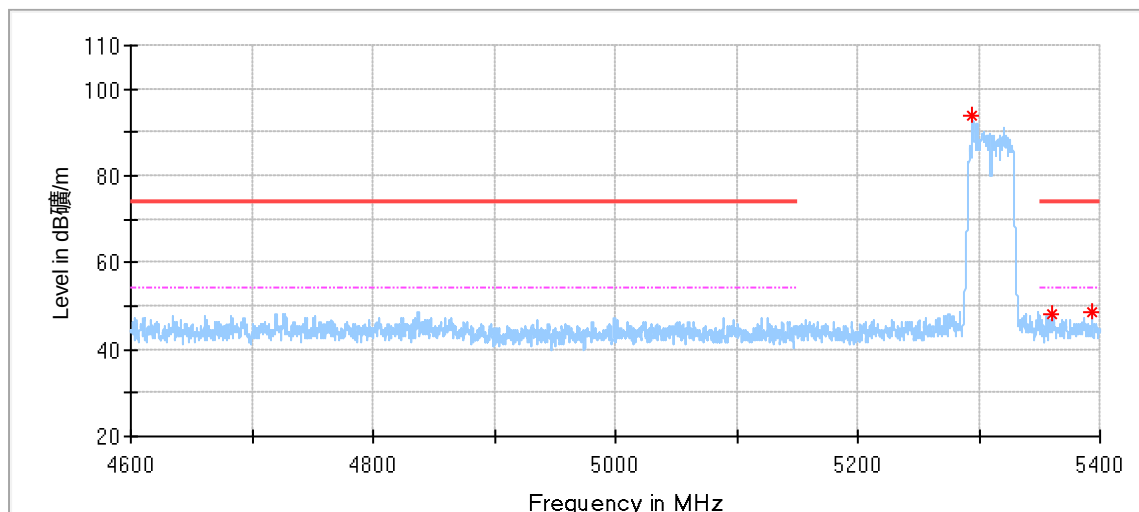
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4856.733333	47.53	74.00	26.47	150.0	V	78.0	3.11
5084.400000	47.34	74.00	26.66	150.0	V	27.0	3.44
5206.200000	89.68	---	---	150.0	V	284.0	3.79

11ac40_5310MHz:**Critical Freqs**

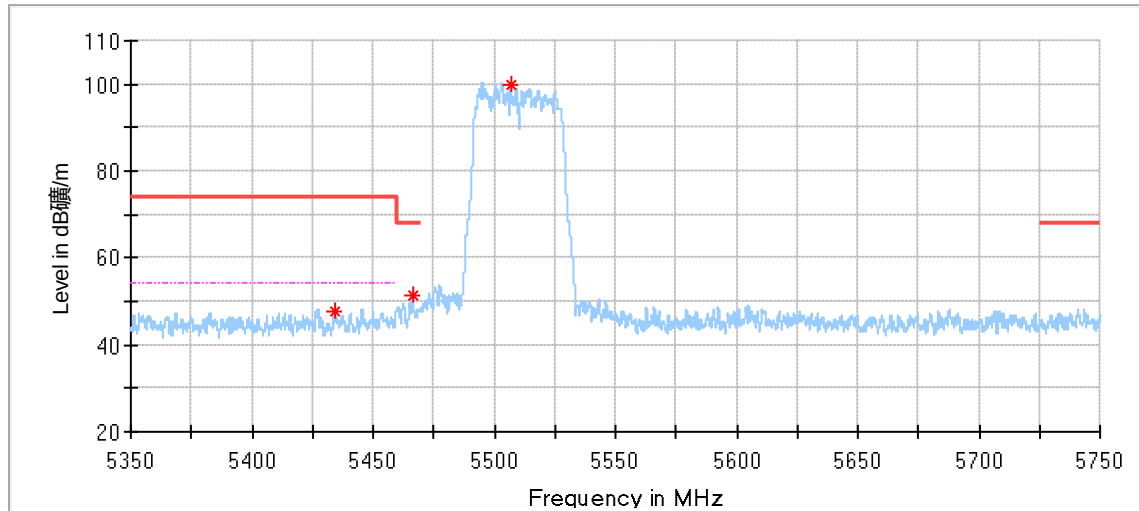
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5299.333333	97.38	---	---	150.0	H	78.0	4.07
5350.866667	51.57	74.00	22.43	150.0	H	130.0	4.14
5377.333333	49.05	74.00	24.95	150.0	H	71.0	4.21

Final Result

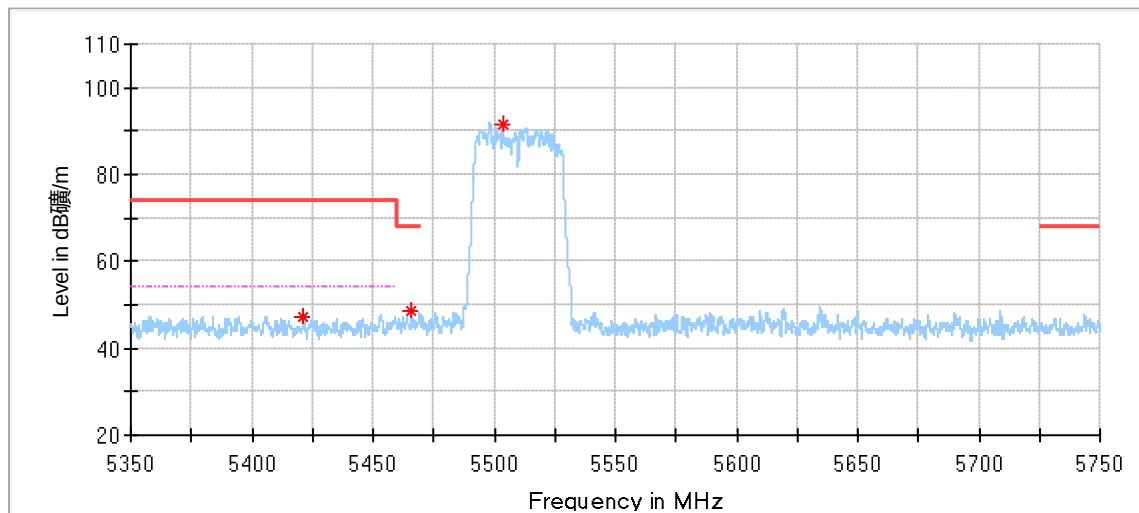
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.866667	46.27	54.00	7.73	150.0	H	130.0	4.14

**Critical Freqs**

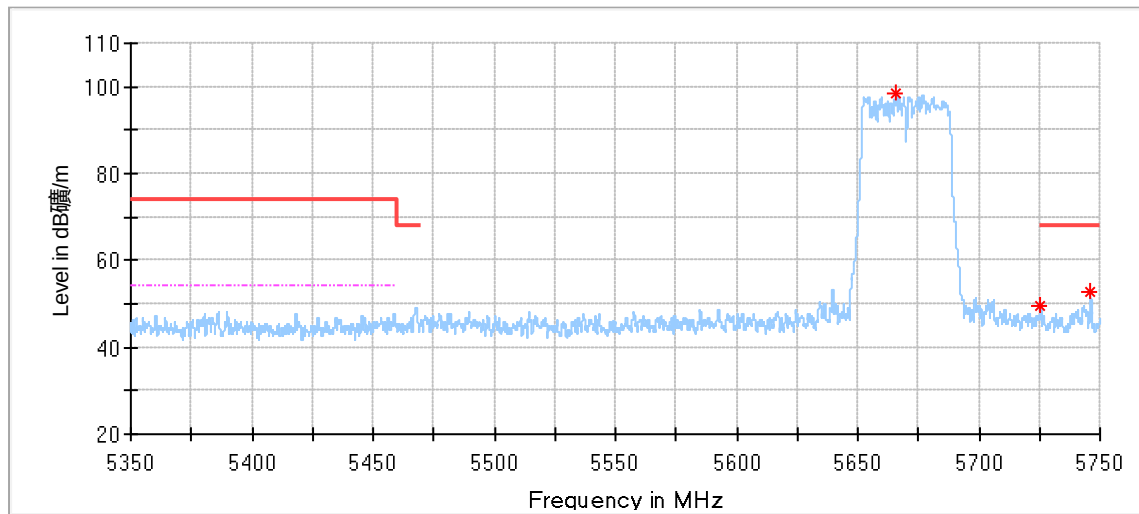
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5294.600000	93.75	---	---	150.0	V	286.0	4.04
5361.133333	48.24	74.00	25.76	150.0	V	0.0	4.17
5393.200000	48.58	74.00	25.42	150.0	V	139.0	4.30

11ac40_5510MHz:**Critical Freqs**

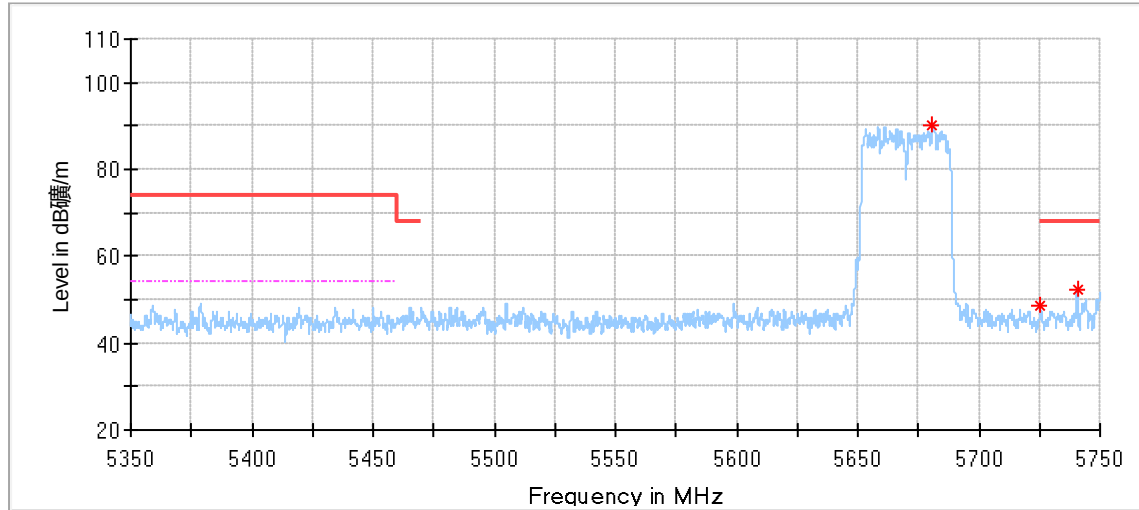
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5434.300000	47.92	74.00	26.08	150.0	H	84.0	4.44
5466.300000	51.38	68.20	16.82	150.0	H	84.0	4.70
5506.666667	99.70	---	---	150.0	H	69.0	4.65

**Critical Freqs**

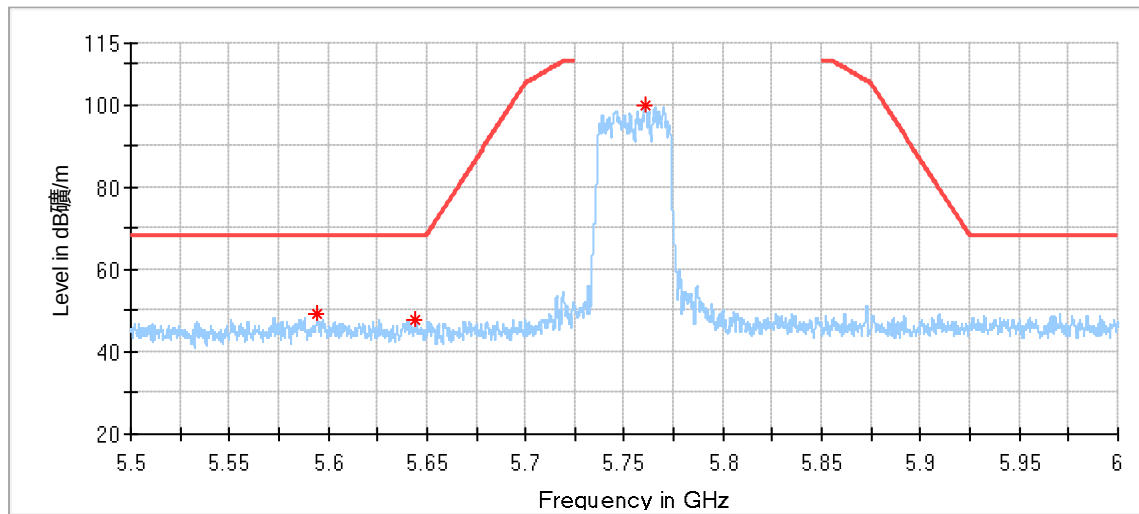
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5421.266667	47.12	74.00	26.88	150.0	V	0.0	4.37
5465.733333	48.52	68.20	19.68	150.0	V	200.0	4.69
5503.533333	91.43	---	---	150.0	V	200.0	4.66

11ac40_5670MHz:**Critical_Freqs**

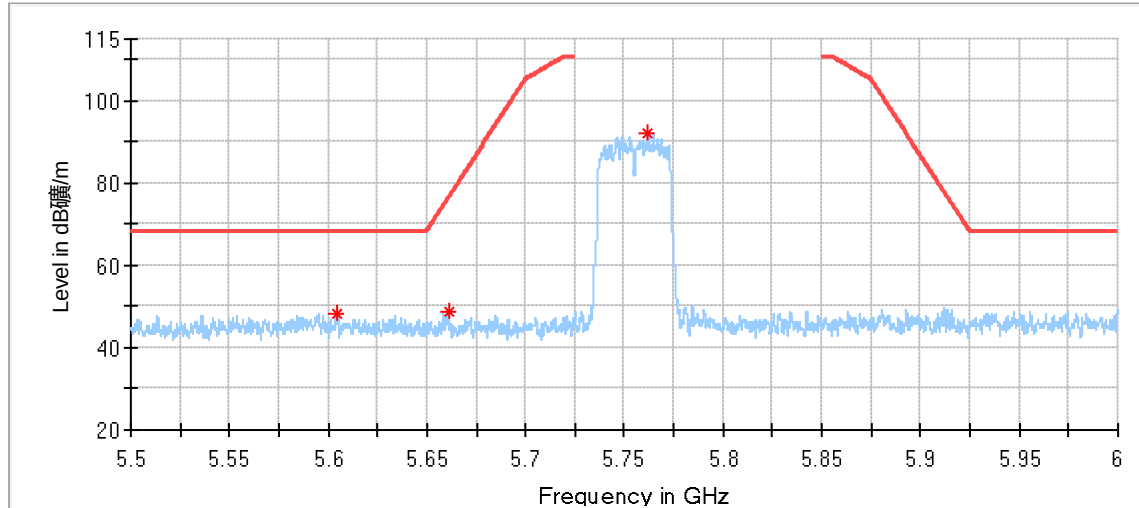
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5665.900000	98.34	---	---	150.0	H	73.0	4.63
5725.300000	49.66	68.20	18.54	150.0	H	140.0	4.74
5746.000000	52.60	68.20	15.60	150.0	H	86.0	4.81

**Critical_Freqs**

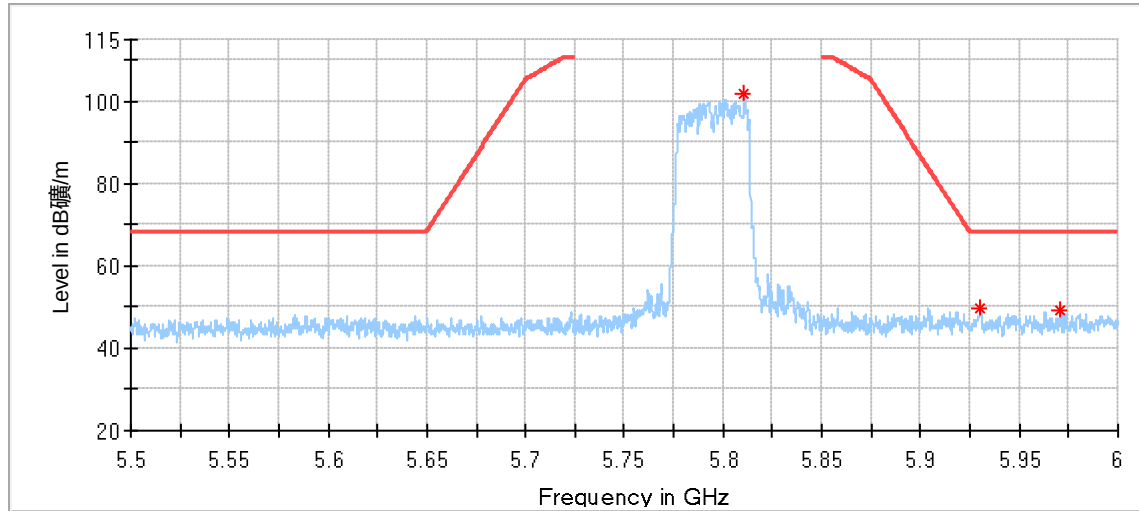
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5680.933333	90.13	---	---	150.0	V	114.0	4.64
5725.200000	48.42	68.20	19.78	150.0	V	184.0	4.74
5740.533333	52.18	68.20	16.02	150.0	V	328.0	4.79

11ac40_5755MHz:**Critical_Freqs**

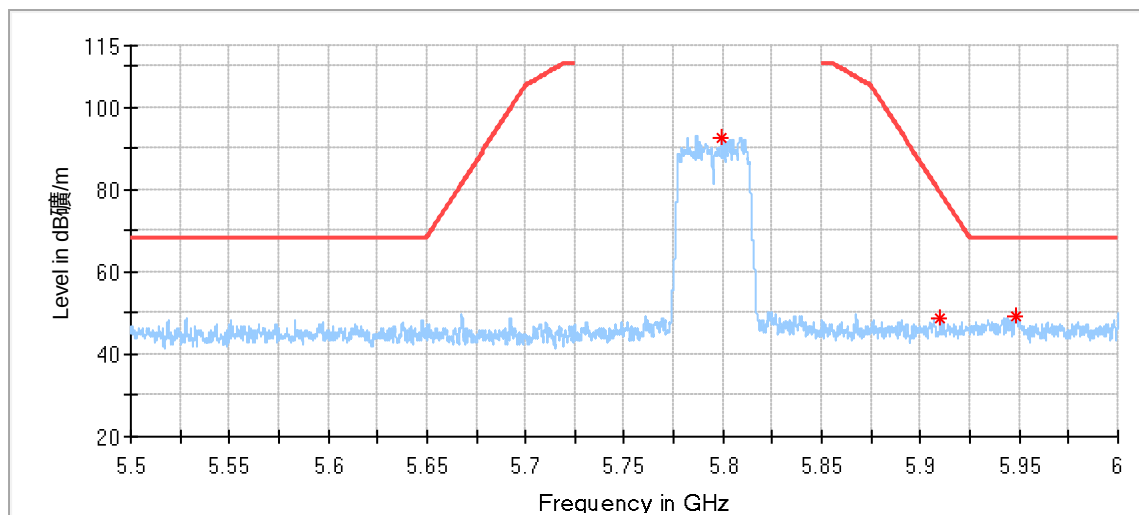
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5594.291667	49.15	68.20	19.05	150.0	H	150.0	4.60
5644.291667	47.99	68.20	20.21	150.0	H	224.0	4.62
5760.375000	99.68	---	---	150.0	H	106.0	4.86

**Critical_Freqs**

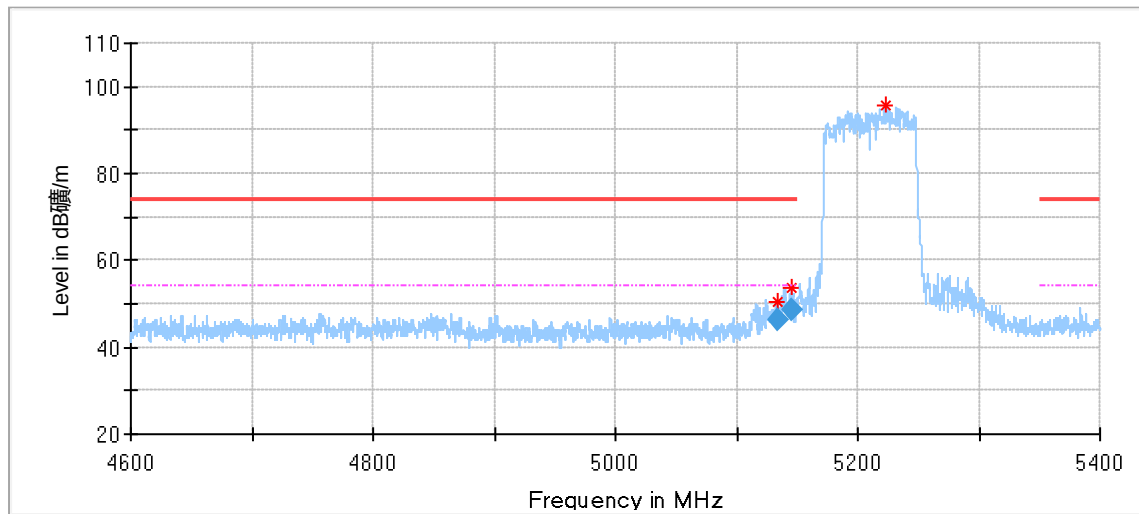
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5604.750000	48.37	68.20	19.83	150.0	V	289.0	4.61
5660.791667	48.75	76.19	27.44	150.0	V	326.0	4.63
5762.125000	92.25	---	---	150.0	V	296.0	4.87

11ac40_5795MHz:**Critical_Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5810.500000	101.93	---	---	150.0	H	110.0	5.21
5930.416667	49.49	68.20	18.71	150.0	H	4.0	5.62
5970.916667	49.16	68.20	19.04	150.0	H	146.0	5.67

**Critical_Freqs**

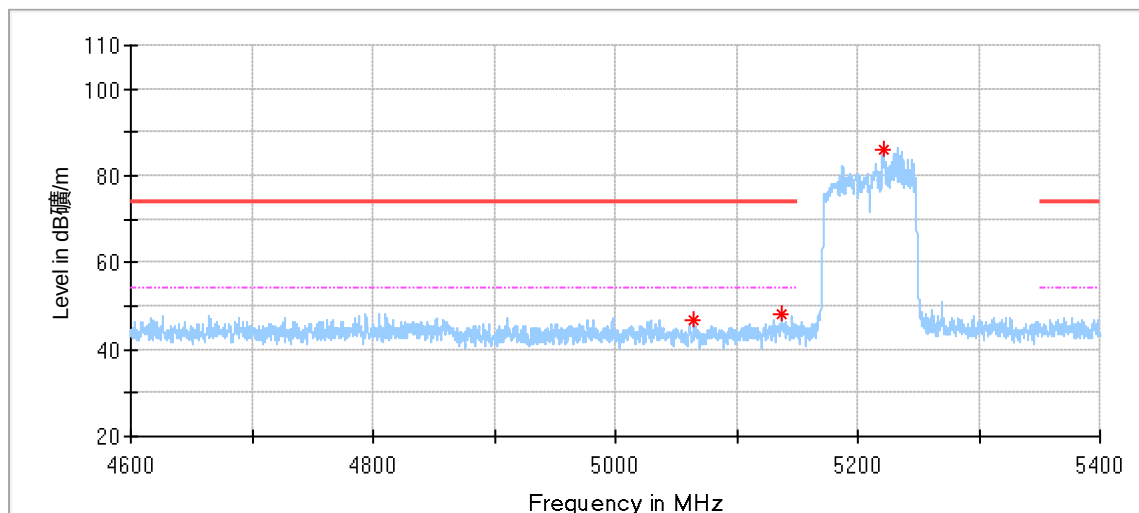
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5799.333333	92.43	---	---	150.0	V	275.0	5.12
5909.708333	48.83	79.52	30.69	150.0	V	337.0	5.61
5947.875000	49.11	68.20	19.09	150.0	V	130.0	5.63

11ac80_5210MHz:**Critical Freqs**

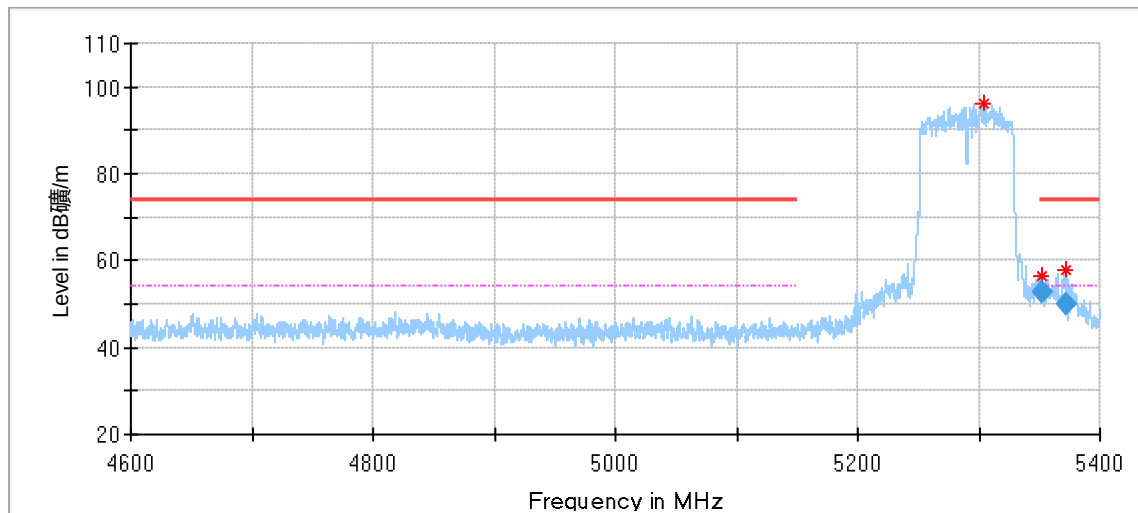
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5134.066667	50.67	74.00	23.33	150.0	H	0.0	3.68
5145.133333	53.56	74.00	20.44	150.0	H	0.0	3.73
5223.400000	95.87	---	---	150.0	H	356.0	3.81

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5134.066667	46.14	54.00	7.86	150.0	H	0.0	3.68
5145.133333	48.79	54.00	5.21	150.0	H	0.0	3.73

**Critical Freqs**

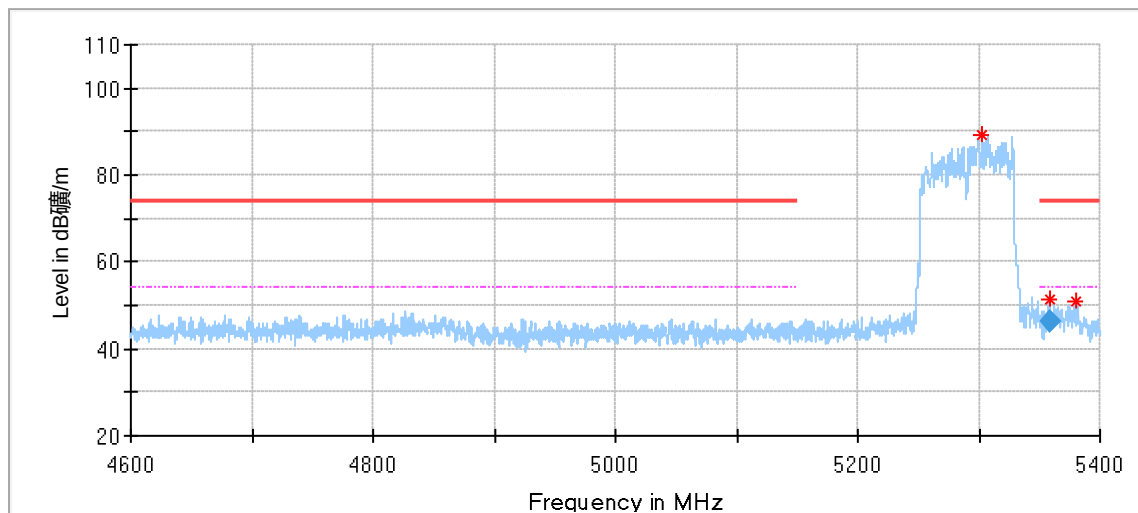
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5064.866667	46.86	74.00	27.14	150.0	V	265.0	3.35
5137.400000	48.20	74.00	25.80	150.0	V	345.0	3.69
5221.600000	85.84	---	---	150.0	V	184.0	3.80

MiMo_11ac80_5290MHz:**Critical Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5304.800000	96.36	---	---	150.0	H	0.0	4.09
5351.733333	56.50	74.00	17.50	150.0	H	29.0	4.15
5372.400000	57.64	74.00	16.36	150.0	H	15.0	4.19

Final Result

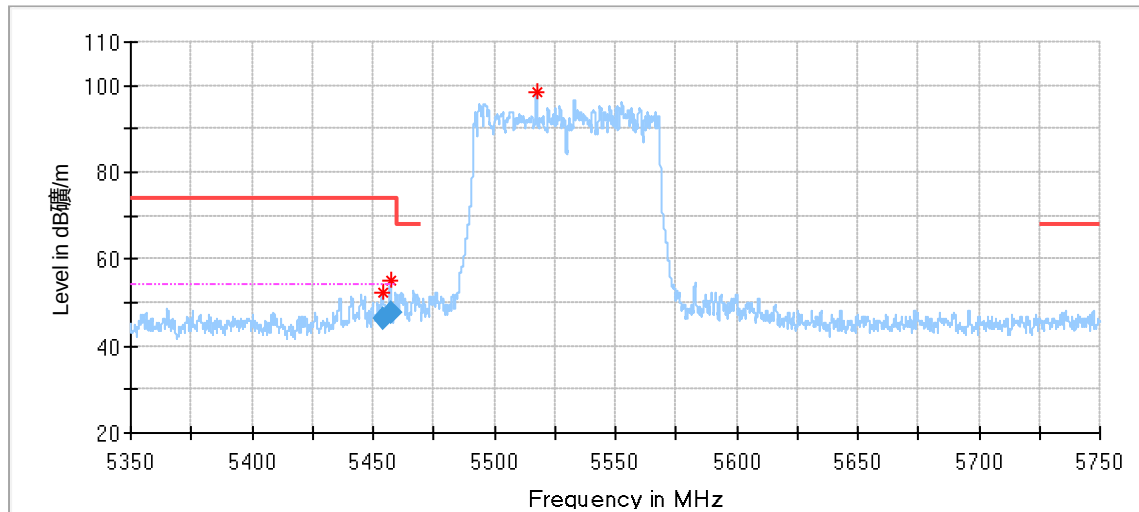
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5351.733333	52.85	54.00	1.15	150.0	H	29.0	4.15
5372.400000	50.13	54.00	3.87	150.0	H	15.0	4.19

**Critical Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5302.400000	89.11	---	---	150.0	V	194.0	4.08
5358.000000	51.23	74.00	22.77	150.0	V	194.0	4.16
5380.800000	50.72	74.00	23.28	150.0	V	201.0	4.23

Final Result

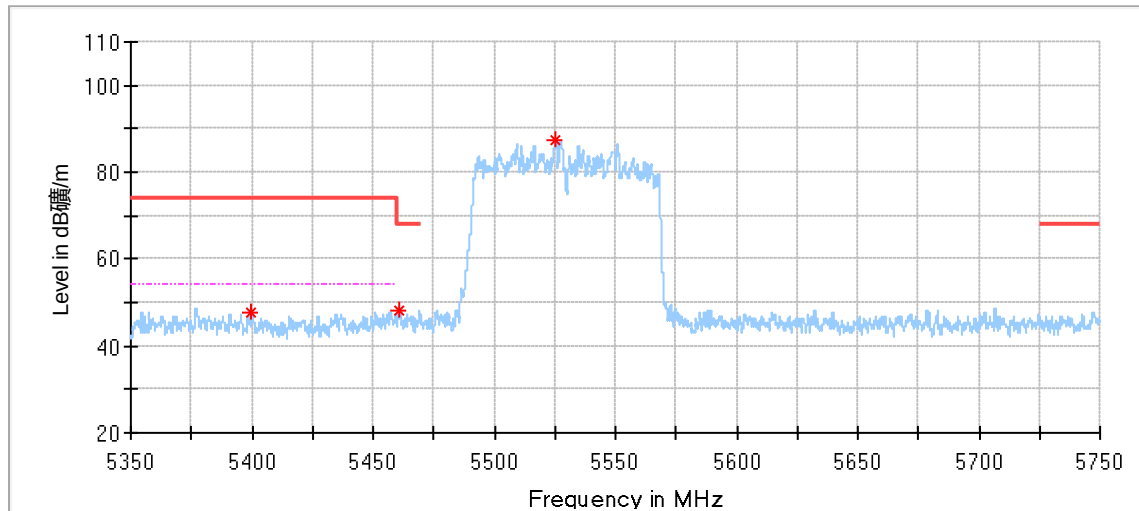
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5358.000000	46.38	54.00	7.62	150.0	V	194.0	4.16

11ac80_5530MHz:**Critical_Freqs**

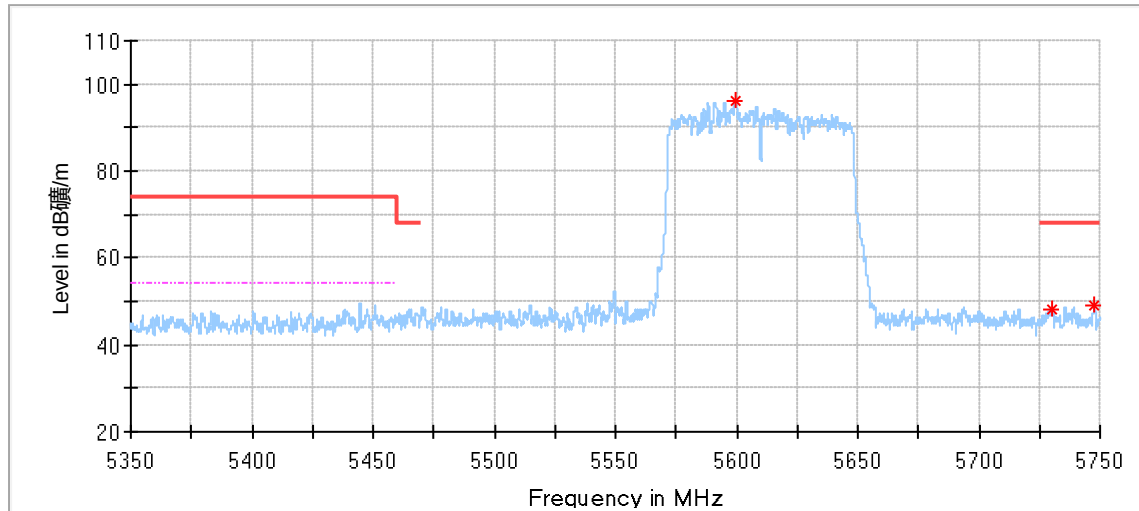
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5453.766667	52.23	74.00	21.77	150.0	H	25.0	4.60
5457.266667	55.30	74.00	18.70	150.0	H	25.0	4.63
5517.466667	98.69	---	---	150.0	H	25.0	4.60

Final Result

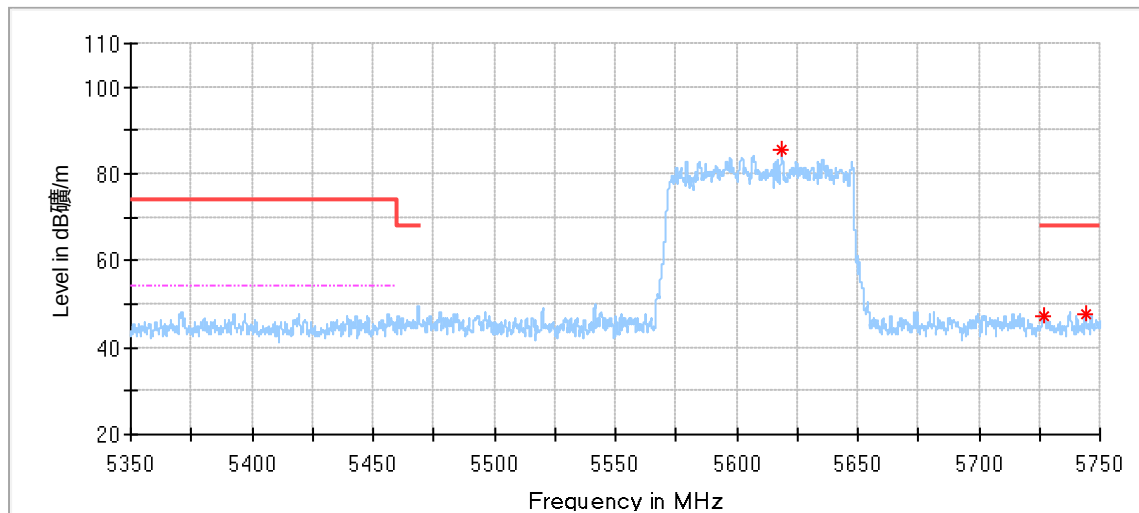
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5453.766667	46.30	54.00	7.70	150.0	H	25.0	4.60
5457.266667	47.74	54.00	6.26	150.0	H	25.0	4.63

**Critical_Freqs**

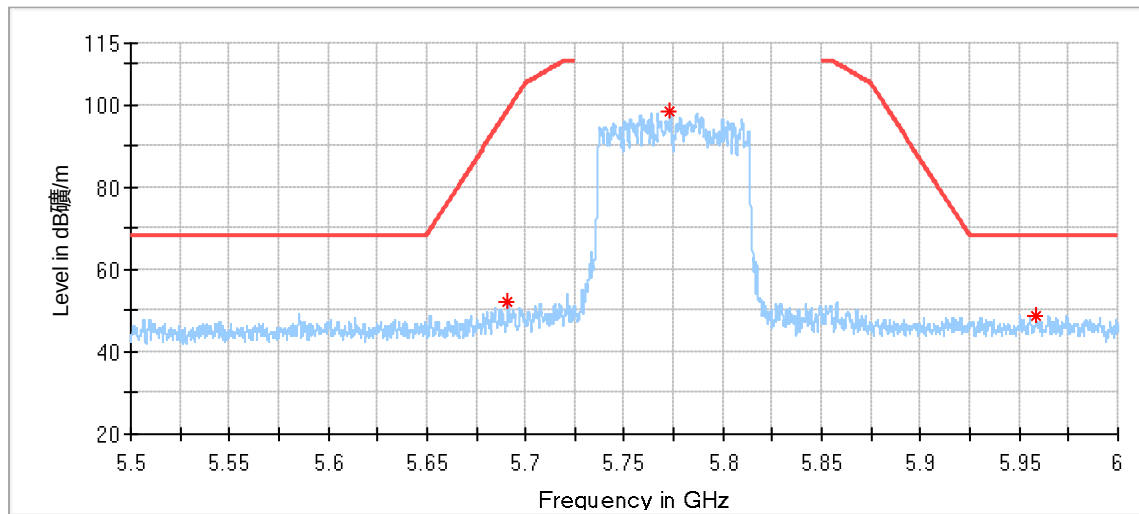
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5399.800000	47.90	74.00	26.10	150.0	V	333.0	4.34
5460.500000	48.11	68.20	20.09	150.0	V	3.0	4.65
5525.366667	87.36	---	---	150.0	V	311.0	4.56

11ac80_5610MHz:**Critical Freqs**

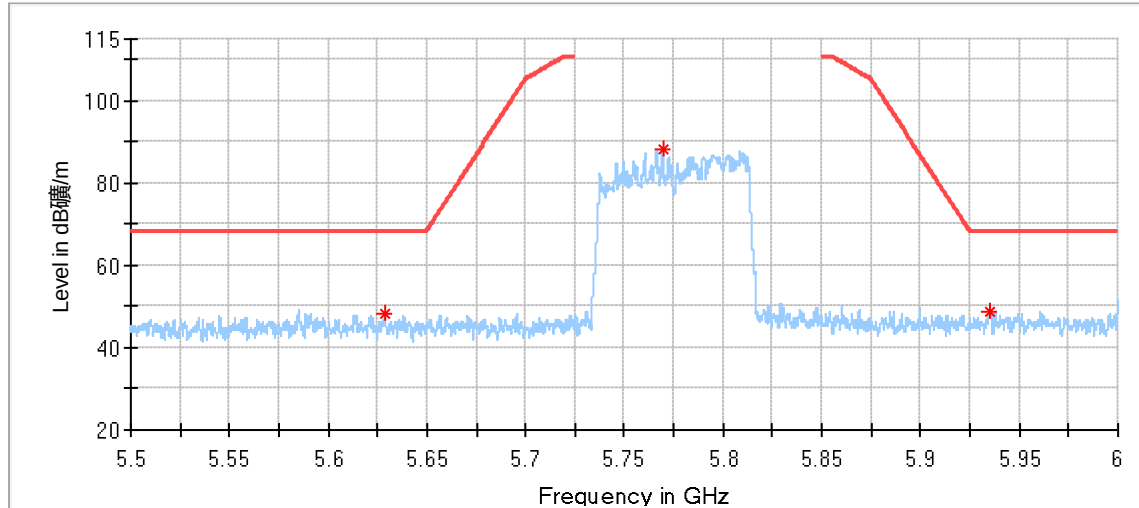
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5599.433333	96.32	---	---	150.0	H	25.0	4.60
5729.800000	48.11	68.20	20.09	150.0	H	248.0	4.76
5747.666667	49.04	68.20	19.16	150.0	H	359.0	4.82

**Critical Freqs**

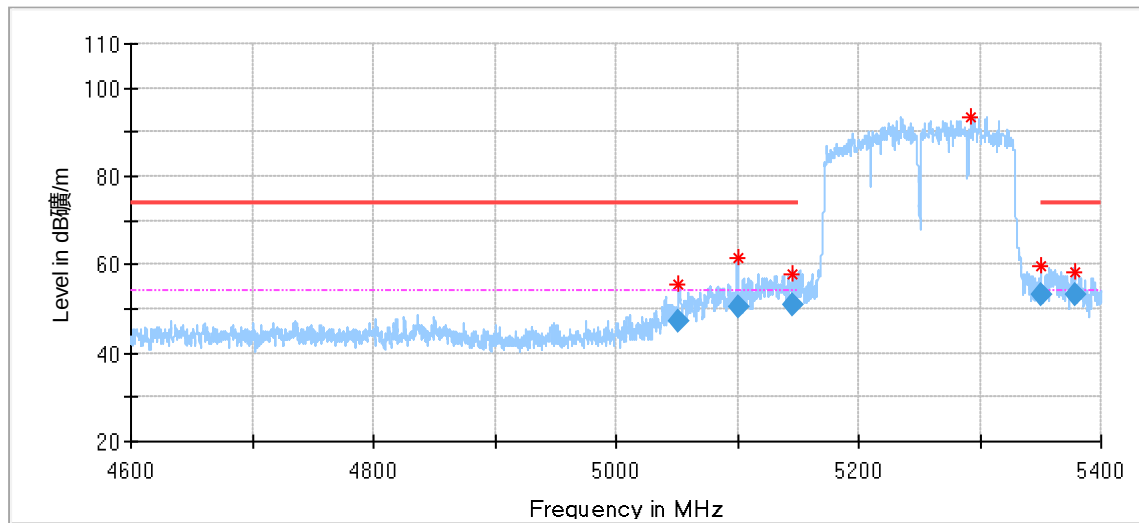
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5618.700000	85.36	---	---	150.0	V	184.0	4.61
5726.500000	47.39	68.20	20.81	150.0	V	254.0	4.75
5743.866667	47.88	68.20	20.32	150.0	V	54.0	4.80

11ac80_5775MHz:**Critical Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5691.166667	52.09	98.66	46.57	150.0	H	79.0	4.65
5773.208333	98.39	---	---	150.0	H	72.0	4.94
5958.291667	48.90	68.20	19.30	150.0	H	8.0	5.64

**Critical Freqs**

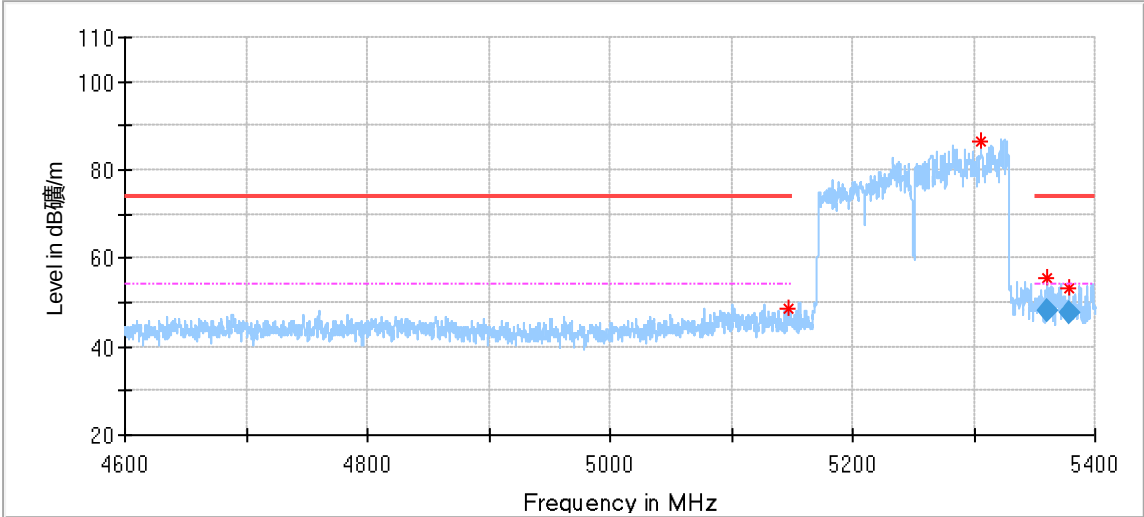
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5628.791667	48.31	68.20	19.89	150.0	V	9.0	4.61
5769.375000	88.09	---	---	150.0	V	184.0	4.92
5934.958333	48.87	68.20	19.33	150.0	V	144.0	5.62

11ac160_5250MHz:**Critical_Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5051.933333	55.32	74.00	18.68	150.0	H	139.0	3.37
5100.000000	61.59	74.00	12.41	150.0	H	349.0	3.50
5145.866667	57.73	74.00	16.27	150.0	H	344.0	3.73
5292.533333	93.30	---	---	150.0	H	9.0	4.03
5350.400000	59.49	74.00	14.51	150.0	H	15.0	4.14
5378.666667	58.30	74.00	15.70	150.0	H	15.0	4.22

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5051.933333	47.19	54.00	6.81	150.0	H	139.0	3.37
5100.000000	50.42	54.00	3.58	150.0	H	349.0	3.50
5145.866667	50.89	54.00	3.11	150.0	H	344.0	3.73
5350.400000	53.34	54.00	0.66	150.0	H	15.0	4.14
5378.666667	53.11	54.00	0.89	150.0	H	15.0	4.22

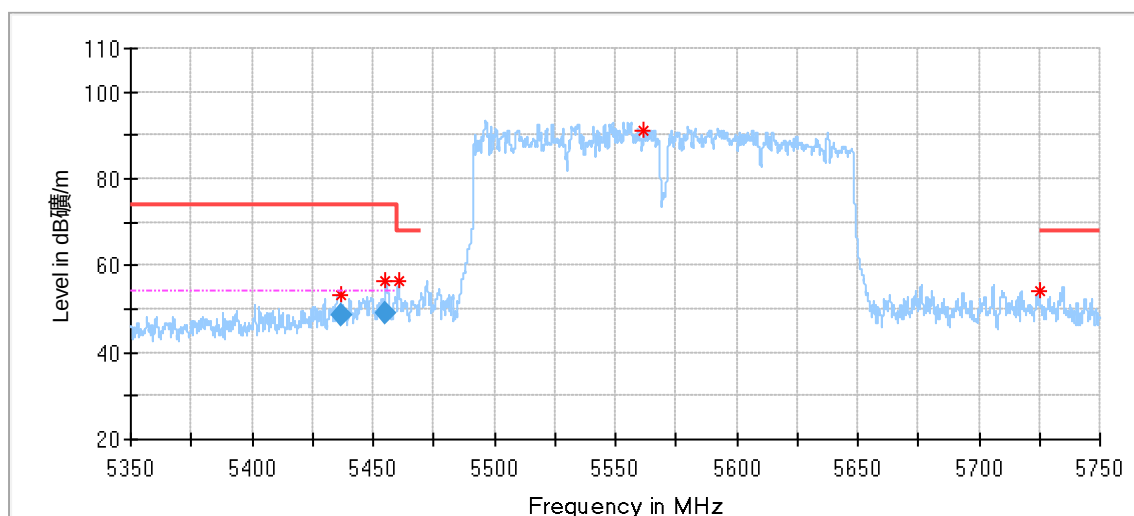


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5146.400000	48.69	74.00	25.31	150.0	V	342.0	3.73
5305.933333	86.51	---	---	150.0	V	188.0	4.09
5360.533333	55.47	74.00	18.53	150.0	V	188.0	4.16
5378.800000	53.34	74.00	20.66	150.0	V	174.0	4.22

Final_Result

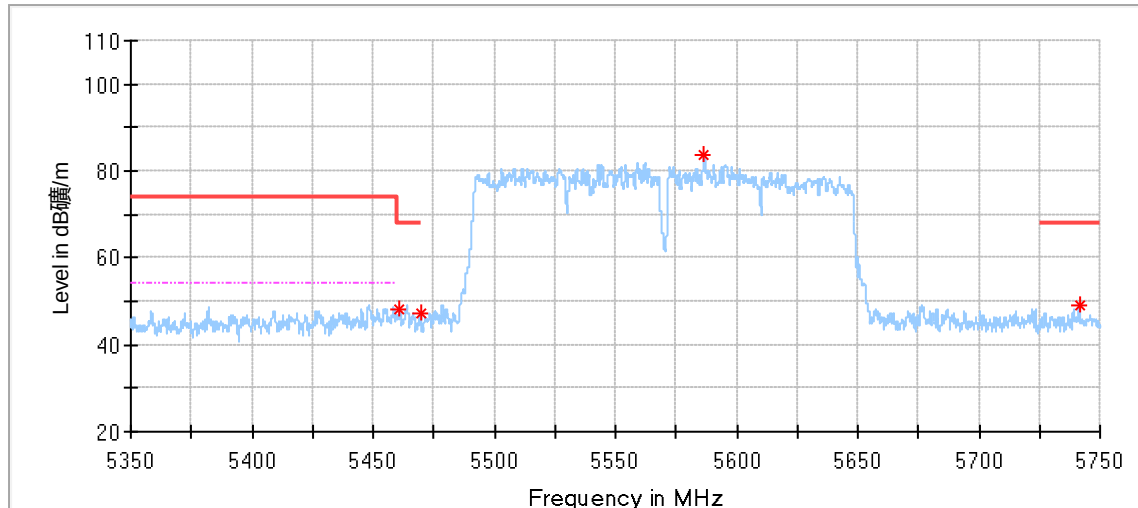
Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5360.533333	48.14	54.00	5.86	150.0	V	188.0	4.16
5378.800000	47.66	54.00	6.34	150.0	V	174.0	4.22

11ac160_5570MHz:**Critical_Freqs**

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5436.533333	53.05	74.00	20.95	150.0	H	18.0	4.45
5455.166667	56.29	74.00	17.71	150.0	H	18.0	4.61
5460.533333	56.42	68.20	11.78	150.0	H	18.0	4.65
5561.833333	91.26	---	---	150.0	H	18.0	4.56
5725.000000	53.98	68.20	14.22	150.0	H	2.0	4.74

Final_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5436.533333	48.60	54.00	5.40	150.0	H	18.0	4.45
5455.166667	49.19	54.00	4.81	150.0	H	18.0	4.61



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5460.866667	48.35	68.20	19.85	150.0	V	203.0	4.65
5469.666667	47.35	68.20	20.85	150.0	V	233.0	4.73
5586.433333	83.56	---	---	150.0	V	284.0	4.59
5741.333333	49.22	68.20	18.98	150.0	V	4.0	4.80

Remark:

1, Corrected Amplitude = Read level + Corrector factor

Above 1GHz: Corrector factor = Antenna Factor + Cable Loss- Amplifier Gain

Below 1GHz: Corrector factor = Antenna Factor + Cable Loss

2, “*” means the emission(s) appear within the restrict bands shall follow the requirement of section 15.205.

3, We test all modes and only the worst case (802.11a_SISO_Ant1, 802.11N40_MIMO, 802.11AC80_MIMO modulation) recorded in the report.

4, Testing is carried out with frequency rang 9KHz to 40GHz, which below 30MHz and data of measurement within this frequency range shown “---” in the table above means the reading of emissions are attenuated more than 30dB below the permissible limits or the field strength is too small to be measured.

5, 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.

9.6 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.
2. Set Centre Frequency of the channel under test.
3. Set Detector PEAK
4. Set RBW: 10KHz, VBW: 3RBW
5. Set Span: Encompass the entire emissions bandwidth (EBW) of the signal.
6. Allow the trace to stabilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

User manual temperature is 0°C to +45°C, normal Temperature is +25°C.

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: 5.75Vdc, LV is Low Voltage: 4.25Vdc, NT is normal Temperature: +25°C.

Limit: It is required that the emissions are maintained within the band of operation under all conditions of normal operation as specified in the user's manual.

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11ac (VHT160)	SISO	5570	/	/	20	102	5570.000	5470 to 5725	Pass
						120	5570.000	5470 to 5725	Pass
						138	5570.075	5470 to 5725	Pass
					-30	120	5570.075	5470 to 5725	Pass
					-20	120	5570.075	5470 to 5725	Pass
					-10	120	5570.075	5470 to 5725	Pass
					0	120	5570.000	5470 to 5725	Pass
					10	120	5570.000	5470 to 5725	Pass
					30	120	5570.000	5470 to 5725	Pass
					40	120	5570.075	5470 to 5725	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	20	102	5179.980	5150 to 5250	Pass
						120	5180.000	5150 to 5250	Pass
						138	5180.040	5150 to 5250	Pass
					-30	120	5180.000	5150 to 5250	Pass
					-20	120	5179.960	5150 to 5250	Pass
					-10	120	5179.960	5150 to 5250	Pass
					0	120	5179.980	5150 to 5250	Pass
					10	120	5180.020	5150 to 5250	Pass
					30	120	5180.000	5150 to 5250	Pass
					40	120	5179.920	5150 to 5250	Pass
					50	120	5180.000	5150 to 5250	Pass
		5200	RU242	Left	20	102	5200.000	5150 to 5250	Pass
						120	5199.960	5150 to 5250	Pass
						138	5200.020	5150 to 5250	Pass
					-30	120	5200.020	5150 to 5250	Pass
					-20	120	5199.920	5150 to 5250	Pass
					-10	120	5200.000	5150 to 5250	Pass
					0	120	5199.960	5150 to 5250	Pass
					10	120	5199.960	5150 to 5250	Pass
					30	120	5199.940	5150 to 5250	Pass
					40	120	5199.940	5150 to 5250	Pass
					50	120	5200.000	5150 to 5250	Pass
		5240	RU242	Left	20	102	5240.020	5150 to 5250	Pass
						120	5239.980	5150 to 5250	Pass
						138	5240.020	5150 to 5250	Pass
					-30	120	5240.000	5150 to 5250	Pass
					-20	120	5239.980	5150 to 5250	Pass
					-10	120	5240.000	5150 to 5250	Pass
					0	120	5239.960	5150 to 5250	Pass
					10	120	5240.000	5150 to 5250	Pass
					30	120	5239.980	5150 to 5250	Pass
					40	120	5239.980	5150 to 5250	Pass
					50	120	5240.020	5150 to 5250	Pass
		5260	RU242	Left	20	102	5260.040	5250 to 5350	Pass
						120	5260.000	5250 to 5350	Pass
						138	5260.000	5250 to 5350	Pass
					-30	120	5260.020	5250 to 5350	Pass
					-20	120	5260.040	5250 to 5350	Pass
					-10	120	5260.020	5250 to 5350	Pass
					0	120	5260.020	5250 to 5350	Pass
					10	120	5259.960	5250 to 5350	Pass
					30	120	5260.020	5250 to 5350	Pass
					40	120	5259.980	5250 to 5350	Pass
					50	120	5260.000	5250 to 5350	Pass
		5300	RU242	Left	20	102	5299.980	5250 to 5350	Pass
						120	5300.060	5250 to 5350	Pass
						138	5300.020	5250 to 5350	Pass
					-30	120	5299.980	5250 to 5350	Pass
					-20	120	5300.020	5250 to 5350	Pass
					-10	120	5300.040	5250 to 5350	Pass
					0	120	5299.980	5250 to 5350	Pass
					10	120	5299.940	5250 to 5350	Pass
					30	120	5300.000	5250 to 5350	Pass
					40	120	5299.980	5250 to 5350	Pass
					50	120	5299.960	5250 to 5350	Pass
		5320	RU242	Left	20	102	5319.980	5250 to 5350	Pass
						120	5320.000	5250 to 5350	Pass
						138	5320.000	5250 to 5350	Pass

					-30	120	5319.980	5250 to 5350	Pass
					-20	120	5320.000	5250 to 5350	Pass
					-10	120	5319.980	5250 to 5350	Pass
					0	120	5320.000	5250 to 5350	Pass
					10	120	5320.020	5250 to 5350	Pass
					30	120	5319.980	5250 to 5350	Pass
					40	120	5319.960	5250 to 5350	Pass
					50	120	5320.020	5250 to 5350	Pass
		5500	RU242	Left	20	102	5499.980	5470 to 5725	Pass
						120	5499.960	5470 to 5725	Pass
						138	5500.000	5470 to 5725	Pass
					-30	120	5499.940	5470 to 5725	Pass
					-20	120	5499.960	5470 to 5725	Pass
					-10	120	5500.060	5470 to 5725	Pass
					0	120	5499.960	5470 to 5725	Pass
					10	120	5499.980	5470 to 5725	Pass
					30	120	5499.960	5470 to 5725	Pass
					40	120	5499.960	5470 to 5725	Pass
					50	120	5499.960	5470 to 5725	Pass
		5580	RU242	Left	20	102	5580.000	5470 to 5725	Pass
						120	5579.960	5470 to 5725	Pass
						138	5579.980	5470 to 5725	Pass
					-30	120	5579.980	5470 to 5725	Pass
					-20	120	5579.940	5470 to 5725	Pass
					-10	120	5580.020	5470 to 5725	Pass
					0	120	5579.960	5470 to 5725	Pass
					10	120	5579.980	5470 to 5725	Pass
					30	120	5580.000	5470 to 5725	Pass
					40	120	5580.000	5470 to 5725	Pass
					50	120	5579.980	5470 to 5725	Pass
		5700	RU242	Left	20	102	5699.980	5470 to 5725	Pass
						120	5700.020	5470 to 5725	Pass
						138	5699.960	5470 to 5725	Pass
					-30	120	5700.020	5470 to 5725	Pass
					-20	120	5699.980	5470 to 5725	Pass
					-10	120	5700.040	5470 to 5725	Pass
					0	120	5700.040	5470 to 5725	Pass
					10	120	5699.980	5470 to 5725	Pass
					30	120	5699.960	5470 to 5725	Pass
					40	120	5699.940	5470 to 5725	Pass
					50	120	5700.000	5470 to 5725	Pass
		5745	RU242	Left	20	102	5744.980	5725 to 5850	Pass
						120	5744.980	5725 to 5850	Pass
						138	5744.980	5725 to 5850	Pass
					-30	120	5744.940	5725 to 5850	Pass
					-20	120	5745.020	5725 to 5850	Pass
					-10	120	5745.000	5725 to 5850	Pass
					0	120	5744.960	5725 to 5850	Pass
					10	120	5744.960	5725 to 5850	Pass
					30	120	5744.980	5725 to 5850	Pass
					40	120	5744.960	5725 to 5850	Pass
					50	120	5745.000	5725 to 5850	Pass
		5785	RU242	Left	20	102	5784.980	5725 to 5850	Pass
						120	5784.980	5725 to 5850	Pass
						138	5785.020	5725 to 5850	Pass
					-30	120	5784.920	5725 to 5850	Pass
					-20	120	5784.960	5725 to 5850	Pass
					-10	120	5784.960	5725 to 5850	Pass
					0	120	5785.000	5725 to 5850	Pass
					10	120	5784.960	5725 to 5850	Pass
					30	120	5784.980	5725 to 5850	Pass
					40	120	5784.920	5725 to 5850	Pass
					50	120	5785.000	5725 to 5850	Pass
		5825	RU242	Left	20	102	5824.960	5725 to 5850	Pass
						120	5824.980	5725 to 5850	Pass
						138	5824.980	5725 to 5850	Pass
					-30	120	5824.960	5725 to 5850	Pass
					-20	120	5824.960	5725 to 5850	Pass
					-10	120	5824.960	5725 to 5850	Pass
					0	120	5824.960	5725 to 5850	Pass
					10	120	5825.000	5725 to 5850	Pass
					30	120	5824.980	5725 to 5850	Pass

802.11ax (HEW40)	SISO				40	120	5824.960	5725 to 5850	Pass
					50	120	5825.020	5725 to 5850	Pass
		5190	RU484	Left	20	102	5190.040	5150 to 5250	Pass
						120	5190.000	5150 to 5250	Pass
						138	5190.040	5150 to 5250	Pass
						120	5190.040	5150 to 5250	Pass
					-30	120	5190.040	5150 to 5250	Pass
					-20	120	5189.960	5150 to 5250	Pass
					-10	120	5190.040	5150 to 5250	Pass
					0	120	5190.040	5150 to 5250	Pass
					10	120	5190.000	5150 to 5250	Pass
					30	120	5190.080	5150 to 5250	Pass
					40	120	5190.080	5150 to 5250	Pass
					50	120	5190.040	5150 to 5250	Pass
		5230	RU484	Left	20	102	5230.000	5150 to 5250	Pass
						120	5230.040	5150 to 5250	Pass
						138	5230.000	5150 to 5250	Pass
						120	5229.960	5150 to 5250	Pass
					-30	120	5230.000	5150 to 5250	Pass
					-20	120	5230.000	5150 to 5250	Pass
					-10	120	5230.000	5150 to 5250	Pass
					0	120	5230.000	5150 to 5250	Pass
					10	120	5230.000	5150 to 5250	Pass
					30	120	5230.000	5150 to 5250	Pass
					40	120	5230.000	5150 to 5250	Pass
					50	120	5229.960	5150 to 5250	Pass
		5270	RU484	Left	20	102	5270.040	5250 to 5350	Pass
						120	5270.000	5250 to 5350	Pass
						138	5270.000	5250 to 5350	Pass
						120	5270.040	5250 to 5350	Pass
					-30	120	5270.040	5250 to 5350	Pass
					-20	120	5270.040	5250 to 5350	Pass
					-10	120	5270.000	5250 to 5350	Pass
					0	120	5270.040	5250 to 5350	Pass
					10	120	5270.000	5250 to 5350	Pass
					30	120	5269.960	5250 to 5350	Pass
					40	120	5270.000	5250 to 5350	Pass
					50	120	5269.960	5250 to 5350	Pass
		5310	RU484	Left	20	102	5310.040	5250 to 5350	Pass
						120	5310.000	5250 to 5350	Pass
						138	5310.040	5250 to 5350	Pass
						120	5310.000	5250 to 5350	Pass
					-30	120	5310.000	5250 to 5350	Pass
					-20	120	5310.000	5250 to 5350	Pass
					-10	120	5310.040	5250 to 5350	Pass
					0	120	5310.040	5250 to 5350	Pass
					10	120	5310.000	5250 to 5350	Pass
					30	120	5310.040	5250 to 5350	Pass
					40	120	5310.000	5250 to 5350	Pass
					50	120	5310.040	5250 to 5350	Pass
		5510	RU484	Left	20	102	5509.960	5470 to 5725	Pass
						120	5510.000	5470 to 5725	Pass
						138	5510.000	5470 to 5725	Pass
						120	5509.960	5470 to 5725	Pass
					-30	120	5509.960	5470 to 5725	Pass
					-20	120	5510.040	5470 to 5725	Pass
					-10	120	5510.000	5470 to 5725	Pass
					0	120	5509.960	5470 to 5725	Pass
					10	120	5510.000	5470 to 5725	Pass
					30	120	5509.960	5470 to 5725	Pass
					40	120	5509.960	5470 to 5725	Pass
					50	120	5509.960	5470 to 5725	Pass
		5550	RU484	Left	20	102	5549.960	5470 to 5725	Pass
						120	5549.920	5470 to 5725	Pass
						138	5550.000	5470 to 5725	Pass
						120	5550.000	5470 to 5725	Pass
					-30	120	5550.000	5470 to 5725	Pass
					-20	120	5550.000	5470 to 5725	Pass
					-10	120	5550.000	5470 to 5725	Pass
					0	120	5549.960	5470 to 5725	Pass
					10	120	5550.040	5470 to 5725	Pass
					30	120	5550.040	5470 to 5725	Pass
					40	120	5550.000	5470 to 5725	Pass
					50	120	5550.040	5470 to 5725	Pass
		5670	RU484	Left	20	102	5670.000	5470 to 5725	Pass
						120	5670.000	5470 to 5725	Pass
						138	5669.960	5470 to 5725	Pass
						120	5670.040	5470 to 5725	Pass

					-20	120	5669.960	5470 to 5725	Pass
					-10	120	5670.000	5470 to 5725	Pass
					0	120	5669.960	5470 to 5725	Pass
					10	120	5670.040	5470 to 5725	Pass
					30	120	5669.960	5470 to 5725	Pass
					40	120	5670.000	5470 to 5725	Pass
					50	120	5670.000	5470 to 5725	Pass
		5755	RU484	Left	20	102	5755.000	5725 to 5850	Pass
						120	5755.000	5725 to 5850	Pass
						138	5755.040	5725 to 5850	Pass
					-30	120	5755.040	5725 to 5850	Pass
					-20	120	5755.000	5725 to 5850	Pass
					-10	120	5754.960	5725 to 5850	Pass
					0	120	5755.000	5725 to 5850	Pass
					10	120	5755.000	5725 to 5850	Pass
					30	120	5754.960	5725 to 5850	Pass
					40	120	5754.960	5725 to 5850	Pass
					50	120	5755.040	5725 to 5850	Pass
		5795	RU484	Left	20	102	5794.960	5725 to 5850	Pass
						120	5795.000	5725 to 5850	Pass
						138	5795.040	5725 to 5850	Pass
					-30	120	5795.040	5725 to 5850	Pass
					-20	120	5794.960	5725 to 5850	Pass
					-10	120	5794.960	5725 to 5850	Pass
					0	120	5794.960	5725 to 5850	Pass
					10	120	5795.000	5725 to 5850	Pass
					30	120	5794.960	5725 to 5850	Pass
					40	120	5794.960	5725 to 5850	Pass
					50	120	5795.000	5725 to 5850	Pass
802.11ax (HEW80)	SISO	5210	RU996	Left	20	102	5210.000	5150 to 5250	Pass
						120	5210.075	5150 to 5250	Pass
						138	5210.075	5150 to 5250	Pass
					-30	120	5210.075	5150 to 5250	Pass
					-20	120	5210.000	5150 to 5250	Pass
					-10	120	5210.000	5150 to 5250	Pass
					0	120	5210.000	5150 to 5250	Pass
					10	120	5210.075	5150 to 5250	Pass
					30	120	5210.150	5150 to 5250	Pass
					40	120	5210.075	5150 to 5250	Pass
					50	120	5210.075	5150 to 5250	Pass
		5290	RU996	Left	20	102	5290.075	5250 to 5350	Pass
						120	5290.075	5250 to 5350	Pass
						138	5290.075	5250 to 5350	Pass
					-30	120	5290.150	5250 to 5350	Pass
					-20	120	5290.150	5250 to 5350	Pass
					-10	120	5290.150	5250 to 5350	Pass
					0	120	5290.150	5250 to 5350	Pass
					10	120	5290.075	5250 to 5350	Pass
					30	120	5290.075	5250 to 5350	Pass
					40	120	5290.075	5250 to 5350	Pass
					50	120	5290.075	5250 to 5350	Pass
		5530	RU996	Left	20	102	5530.075	5470 to 5725	Pass
						120	5530.000	5470 to 5725	Pass
						138	5530.075	5470 to 5725	Pass
					-30	120	5530.075	5470 to 5725	Pass
					-20	120	5530.075	5470 to 5725	Pass
					-10	120	5530.075	5470 to 5725	Pass
					0	120	5530.075	5470 to 5725	Pass
					10	120	5530.075	5470 to 5725	Pass
					30	120	5530.075	5470 to 5725	Pass
					40	120	5529.925	5470 to 5725	Pass
					50	120	5530.000	5470 to 5725	Pass
		5610	RU996	Left	20	102	5610.075	5470 to 5725	Pass
						120	5610.000	5470 to 5725	Pass
						138	5610.000	5470 to 5725	Pass
					-30	120	5610.075	5470 to 5725	Pass
					-20	120	5610.075	5470 to 5725	Pass
					-10	120	5610.075	5470 to 5725	Pass
					0	120	5610.075	5470 to 5725	Pass
					10	120	5610.075	5470 to 5725	Pass
					30	120	5610.075	5470 to 5725	Pass
					40	120	5610.000	5470 to 5725	Pass

		5775	RU996	Left	50	120	5610.000	5470 to 5725	Pass
					20	102	5775.075	5725 to 5850	Pass
						120	5775.075	5725 to 5850	Pass
						138	5775.075	5725 to 5850	Pass
					-30	120	5775.075	5725 to 5850	Pass
					-20	120	5775.075	5725 to 5850	Pass
					-10	120	5775.075	5725 to 5850	Pass
					0	120	5775.075	5725 to 5850	Pass
					10	120	5775.000	5725 to 5850	Pass
					30	120	5775.075	5725 to 5850	Pass
					40	120	5775.075	5725 to 5850	Pass
					50	120	5775.000	5725 to 5850	Pass
802.11ax (HEW160)	SISO	5570	2xRU996	Left	20	102	5570.075	5470 to 5725	Pass
						120	5570.075	5470 to 5725	Pass
						138	5570.075	5470 to 5725	Pass
					-30	120	5570.000	5470 to 5725	Pass
					-20	120	5570.000	5470 to 5725	Pass
					-10	120	5570.000	5470 to 5725	Pass
					0	120	5570.075	5470 to 5725	Pass
					10	120	5570.000	5470 to 5725	Pass
					30	120	5570.075	5470 to 5725	Pass
					40	120	5570.075	5470 to 5725	Pass
		5250	2xRU996	Left	50	120	5570.000	5470 to 5725	Pass
					20	102	5250.150	5150 to 5350	Pass
						120	5250.075	5150 to 5350	Pass
						138	5250.150	5150 to 5350	Pass
					-30	120	5250.075	5150 to 5350	Pass
					-20	120	5250.150	5150 to 5350	Pass
					-10	120	5250.150	5150 to 5350	Pass
					0	120	5250.075	5150 to 5350	Pass
					10	120	5250.150	5150 to 5350	Pass
					30	120	5250.075	5150 to 5350	Pass
					40	120	5250.150	5150 to 5350	Pass
					50	120	5250.150	5150 to 5350	Pass

Remark 1: LV = 85% of the nominal supply voltage, HV = 115% of the nominal supply voltage

Remark 2: we test all frequencies which specified in section 8 and only show these representative frequencies.

9.7 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, 40MHz, 80MHz, 160MHz

Working Modes and required Test Items

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

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

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

Table 2: Applicability of DFS requirements during normal operation

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

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

Requirement:

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

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

Table 3: DFS Response Requirement Values

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

DFS Detection Thresholds Values

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

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

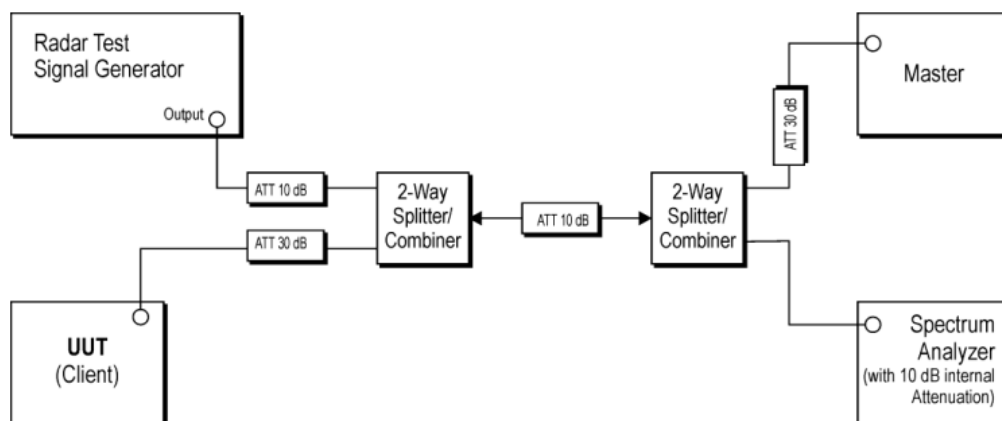
Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP $\geq$ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Test Procedure

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

Figure 1. Test Setup for DFS

Setup for client with injection at the master.



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

Block Diagram of test setup test procedure.

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

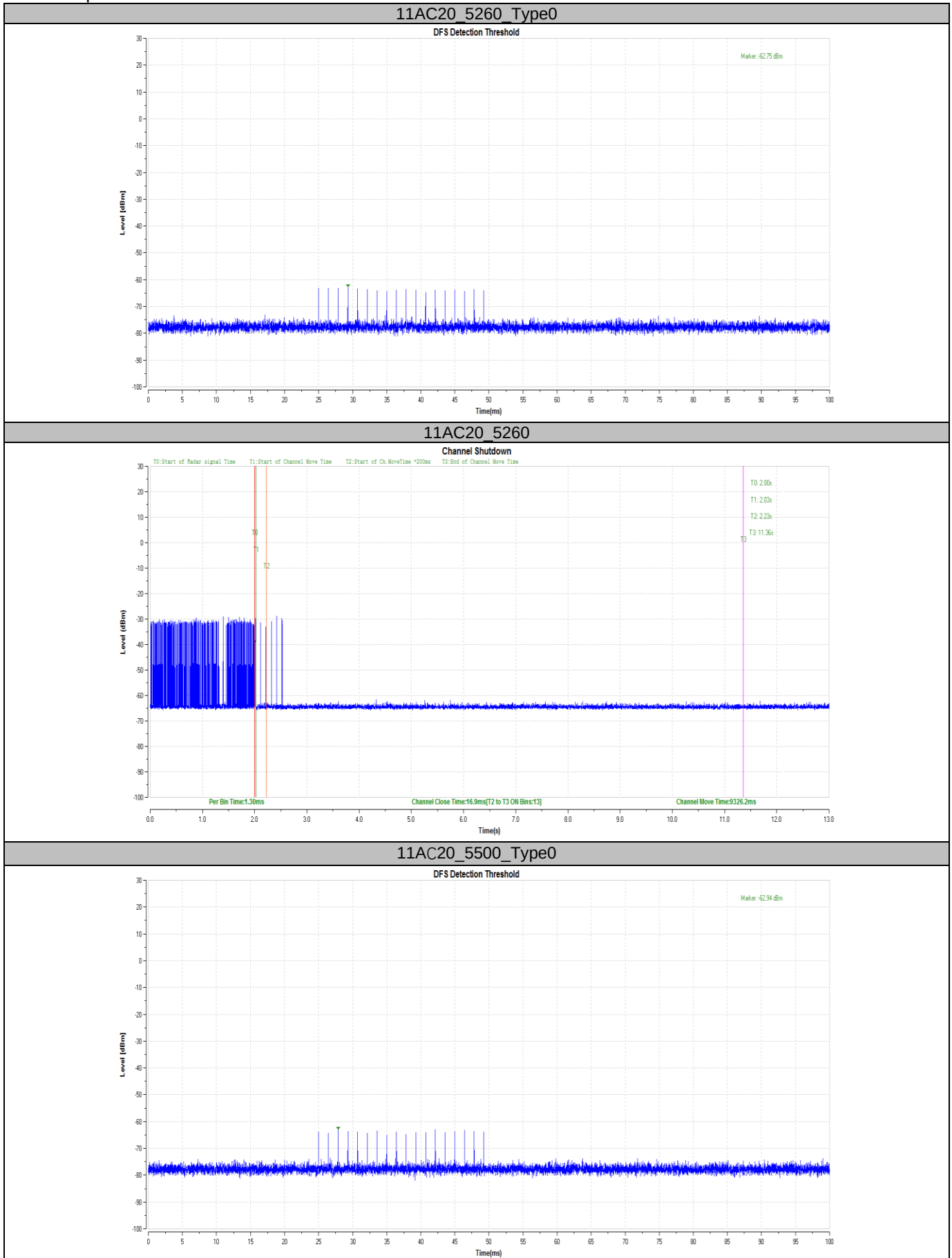
- (7) The system is again setup and the monitoring time is shortened in order to capture the Channel Closing Transmission Time. This time is measured to ensure that the Client ceases transmission within 200ms and the aggregate of emissions occurring after 200ms up to 10 sec do not exceed 60ms.
(Note: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

Test Result

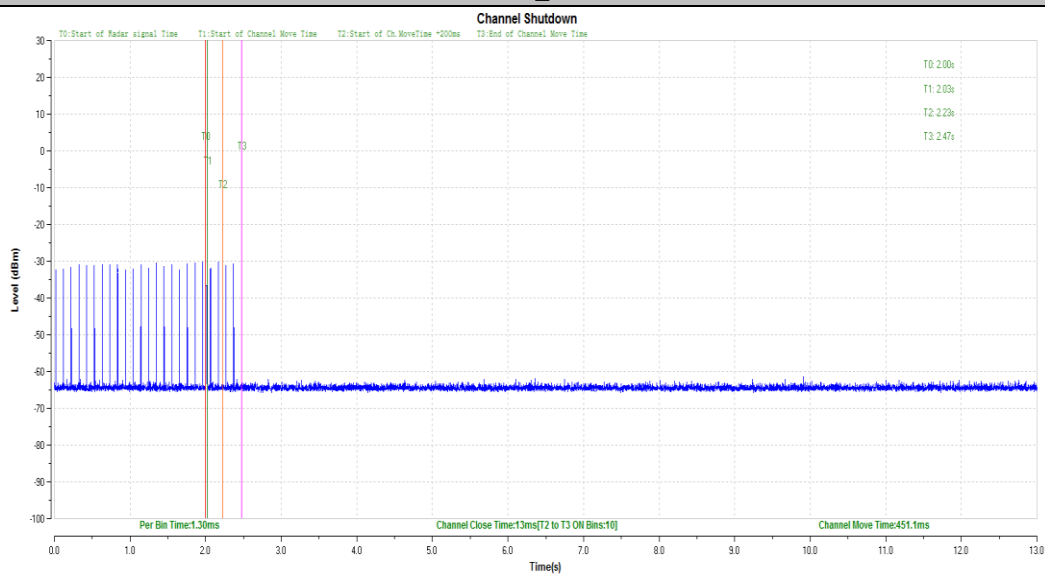
Clause	Test Parameter	Remarks	Pass/Fail
15.407	DFS Detection Threshold	Not Applicable	N/A
15.407	Channel Availability Check time	Not Applicable	N/A
15.407	Channel Move time	Applicable	Pass
15.407	Channel Closing Transmission time	Applicable	Pass
15.407	Non-occupancy Period	Not Applicable	N/A
15.407	Uniform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

Test Mode	Channel [MHz]	CCT [ms]	Limit [ms]	CMT [ms]	Limit [ms]	Verdict
11AC20	5260	5.16	60	428.71	10000	PASS
	5500	8.17	60	448.06	10000	PASS
11AC40	5270	8.6	60	506.54	10000	PASS
	5510					
11AC80	5290	6.02	60	454.08	10000	PASS
	5530	5.16	60	418.82	10000	PASS
11AC160	5250		60		10000	PASS
	5570		60		10000	PASS

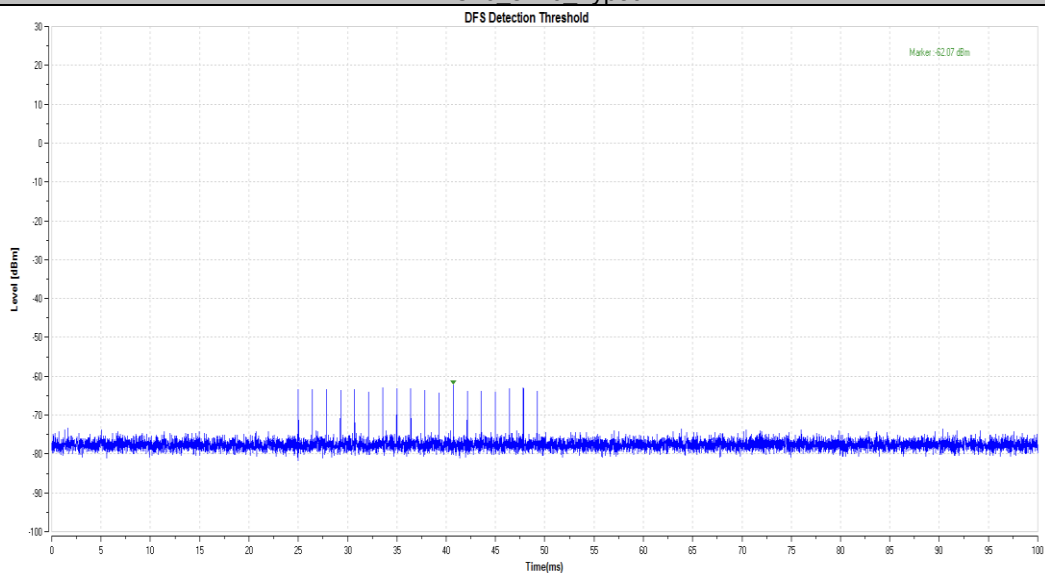
Test Graphs:



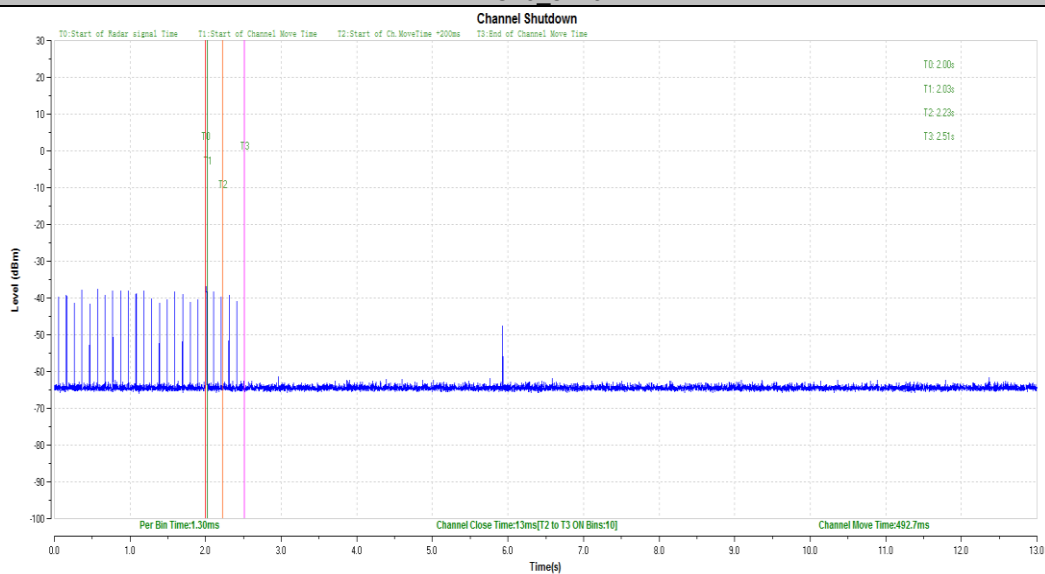
11AC20_5500



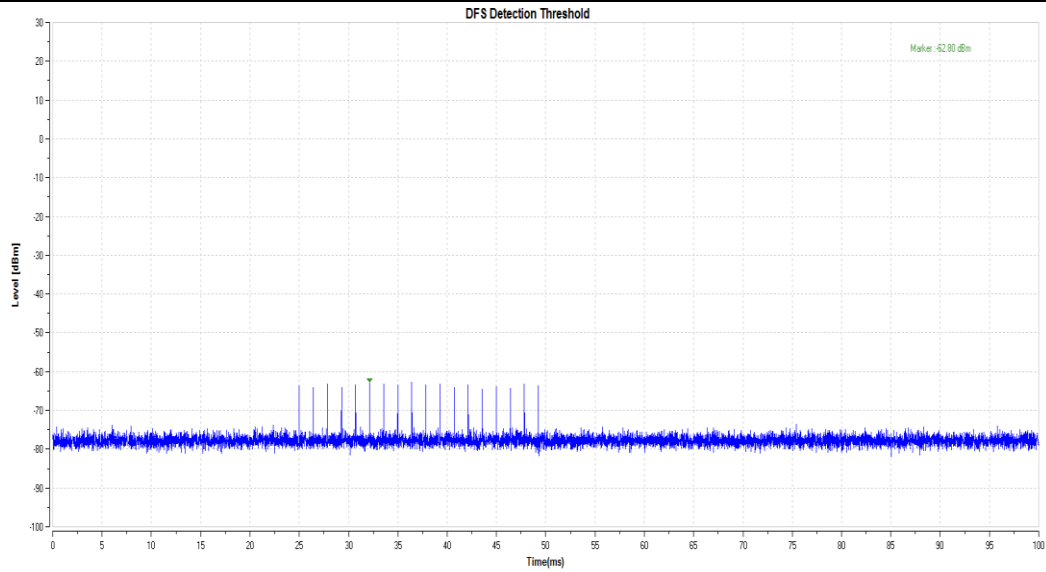
11AC40_5270 Type0



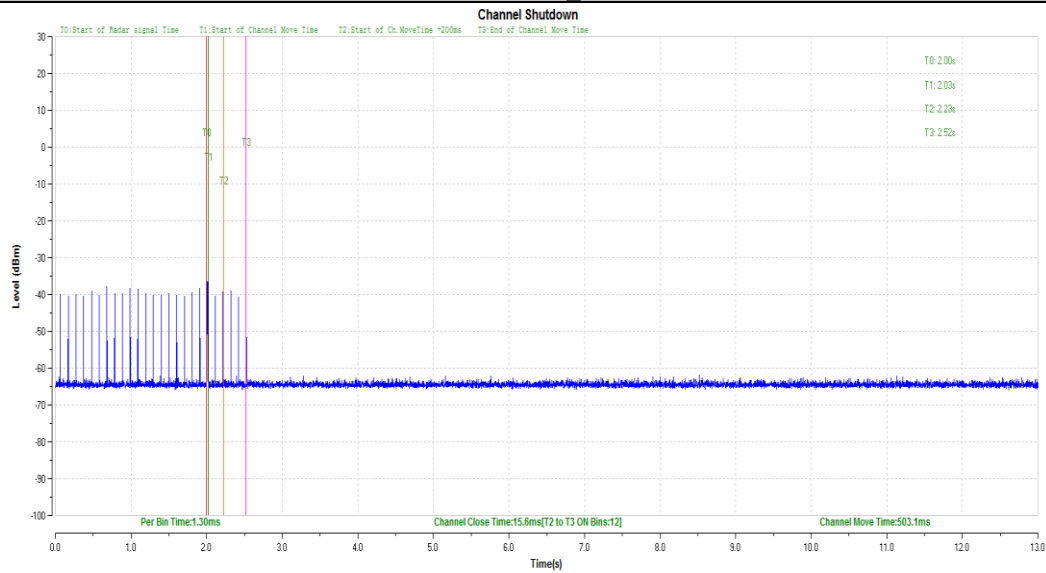
11AC40_5270



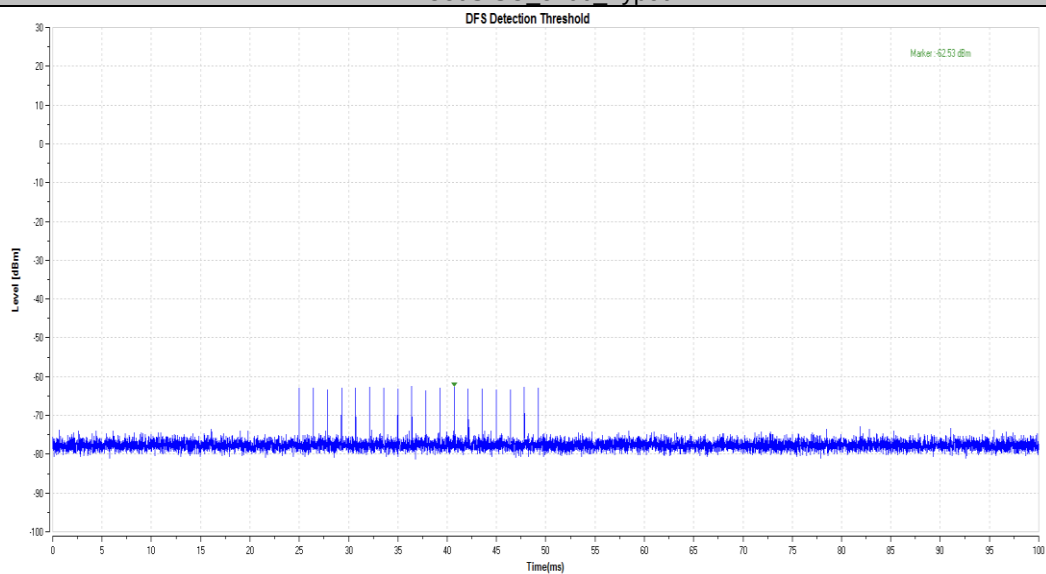
11AC40SISO_5510_Type0



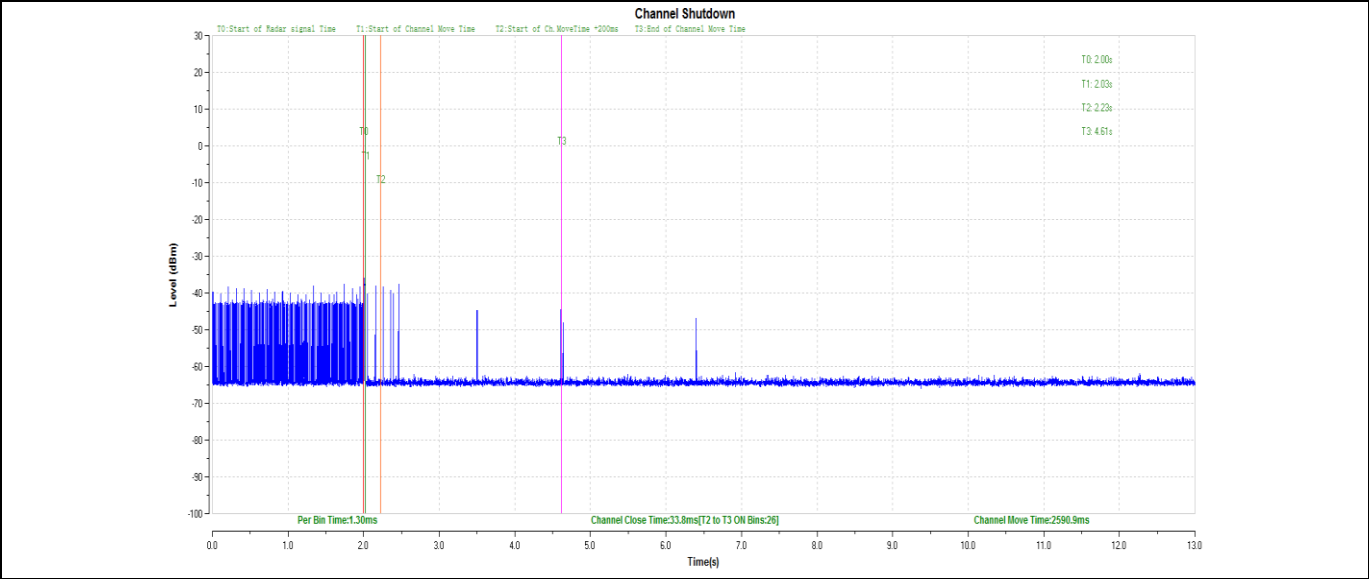
11AC40SISO_5510



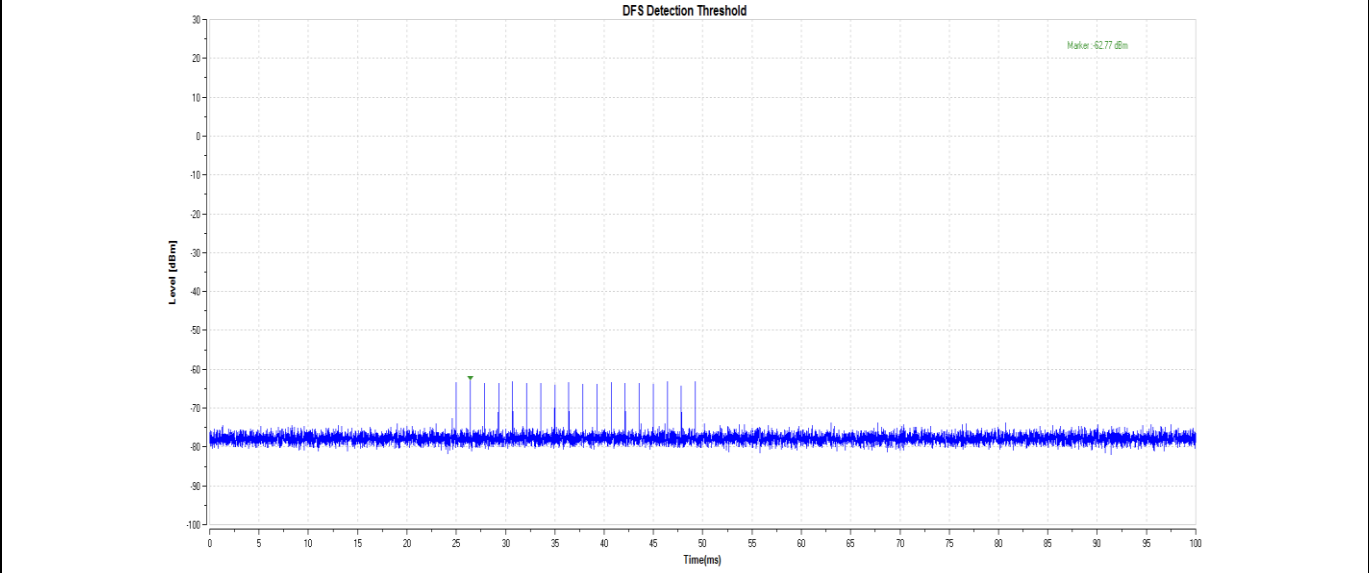
11AC80SISO_5290_Type0



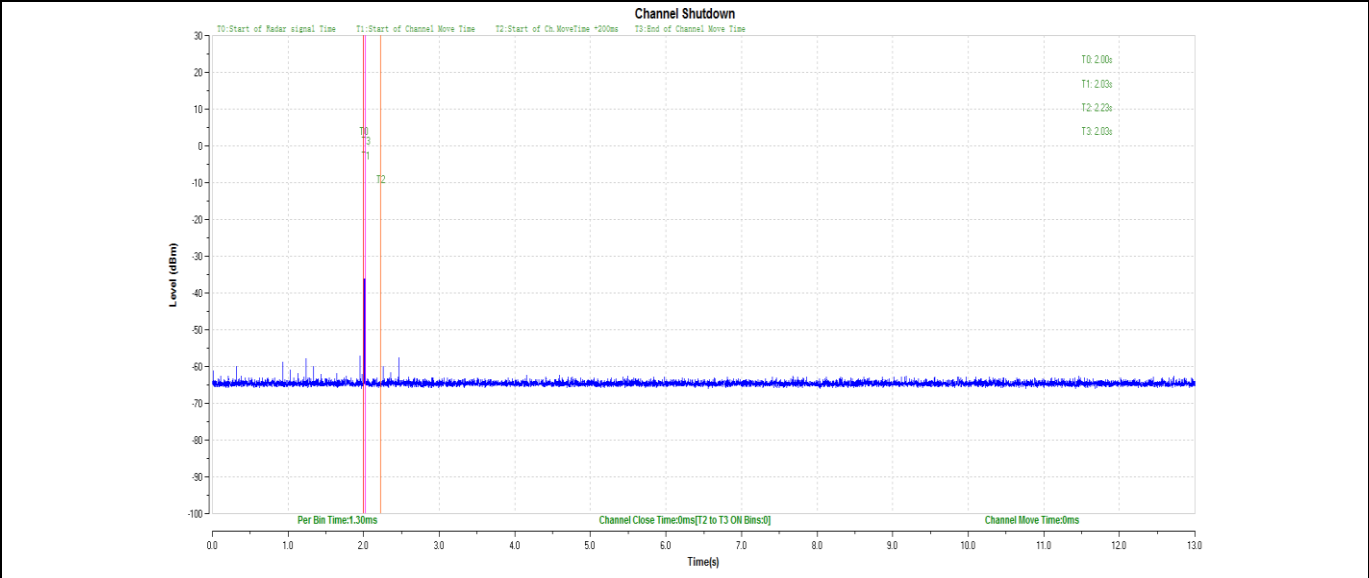
11AC80SISO_5290



11AC80SISO 5530 Type0



11AC80SISO 5530



10 Test Equipment List

Radiated Spurious Emission Test(9kHz-30MHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 7	68-4-74-19-001	102176	1	2025-5-13
Loop Antenna	Rohde & Schwarz	HFH2-Z2	68-4-80-14-006	100398	1	2025-7-24
Cable	HUBER-SUHNER	RG214	68-4-90-14-001-A21	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #1	68-4-90-14-001	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-14-002-A10	Version 9.15.00	N/A	N/A

Radiated Spurious Emission Test(30MHz-1GHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-003	101031	1	2025-5-11
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	68-4-80-14-003	708	1	2025-5-10
Pre-amplifier	Rohde & Schwarz	SCU 18	68-4-29-14-001	102230	1	2025-5-11
Cable	OUQIAO	18DLB5-NMNM-3000	68-4-90-14-002-A23	----	----	----
Cable	OUQIAO	18DLB5-NMSM-3000	68-4-90-14-002-A24	----	----	----
Fully Anechoic Chamber	TDK	8X4X4	68-4-90-14-002	--	3	2027-8-18
Test software	Rohde & Schwarz	EMC32	68-4-90-14-002-A10	Version 9.15.00	N/A	N/A

Radiated Spurious Emission Test(1GHz-18GHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-003	101031	1	2025-5-11
Horn Antenna	Rohde & Schwarz	HF907	68-4-80-14-004	102295	1	2025-7-5
Pre-amplifier	Rohde & Schwarz	SCU 18	68-4-29-14-001	102230	1	2025-5-11
Cable	OUQIAO	18DLB5-NMNM-3000	68-4-90-14-002-A23	----	----	----
Cable	OUQIAO	18DLB5-NMSM-3000	68-4-90-14-002-A24	----	----	----
Fully Anechoic Chamber	TDK	8X4X4	68-4-90-14-002	--	3	2027-8-18
Test software	Rohde & Schwarz	EMC32	68-4-90-14-002-A10	Version 9.15.00	N/A	N/A

Radiated Spurious Emission Test(18GHz-40GHz)

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-003	101031	1	2025-5-11
Wideband Horn Antenna	Q-PAR	QWH-SL-18-40-K-SG	68-4-80-14-008	12827	1	2025-7-2
Pre-amplifier	Rohde & Schwarz	SCU 40A	68-4-29-14-002	100432	1	2025-7-17
Cable	JUNFLON	MWX241	68-4-90-14-002-A22	----	----	----
Fully Anechoic Chamber	TDK	8X4X4	68-4-90-14-002	--	3	2027-8-18
Test software	Rohde & Schwarz	EMC32	68-4-90-14-002-A10	Version 9.15.00	N/A	N/A

Conducted Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 3	68-4-74-14-001	101782	1	2025-5-13
LISN	Rohde & Schwarz	ENV432	68-4-87-16-001	101318	1	2025-5-13
LISN	Rohde & Schwarz	ENV216	68-4-87-14-002	100326	1	2025-5-12
Attenuator	Shanghai Huaxiang	TS2-26-3	68-4-81-16-003	080928189	1	2025-5-11
Cable	OUQIAO	RG142	68-4-90-19-004-A20	----	----	----
Test software	Rohde & Schwarz	EMC32	68-4-90-14-003-A10	Version9.15.00	N/A	N/A
Shielding Room	TDK	CSR #1	68-4-90-19-004	----	3	2025-10-15

RF Test System

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Vector Signal Generator	Rohde & Schwarz	SMBV100A	68-4-48-18-001	262825	1	2025-5-11
Communication Synthetical Test Instrument	Rohde & Schwarz	CMW 270	68-4-48-18-003	101251	1	2025-5-11
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-004	101030	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	----	----	----
Cable	JUNFLON	J12J103539	68-4-90-19-003-A21	----	----	----
Cable	JUNFLON	J12J103539	68-4-90-19-003-A22	----	----	----
Test software	TST PASS	TST PASS	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

11 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)	3.56dB
Uncertainty for Radiated Emission in 3m chamber (68-4-90-14-001) 9kHz-30MHz	4.69dB
Uncertainty for Radiated Emission in 3m chamber (68-4-90-14-001) 30MHz-1000MHz	Horizontal: 4.78dB Vertical: 5.85dB
Uncertainty for Radiated Emission in new 3m chamber (68-4-90-19-006) 1000MHz-18000MHz	Horizontal: 5.40dB Vertical: 5.40dB
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 Frequency test involved: 0.6×10 ⁻⁸ or 1%

Measurement Uncertainty Decision Rule:

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.4.3 and 4.5.1.

---END OF REPORT---