9.8 Spurious Radiated Emissions for Transmitter

Test Method

1. The EUT was place on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3 meters chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. Set to the maximum power setting and enable the EUT transmit continuously
3. The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
4. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
5. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
6. Use the following test receiver settings According to C63.10:
   (1) Span shall wide enough to fully capture the emission being measured;
   (2) Set RBW=100 kHz to 120KHz for f < 1 GHz; VBW≥ RBW; Sweep = auto; Detector function = QP; Trace = max hold;
   (3) Set RBW = 1 MHz, VBW= 3MHz for f ≥1 GHz for peak measurement.
   For average measurement:
   The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average ((duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (20log(1/duty cycle)).
   The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.
7. Repeat above procedures until all frequencies measured were complete.

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Spurious Radiated Emissions for Transmitter

Limit

The radio emission outside the operating frequency band shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Radiated emissions which fall in the restricted bands, as defined in section15.205, must comply with the radiated emission limits specified in section 15.209.

Frequency MHz	Field Strength μV/m	Field Strength dBμV/m	Detector	Measurement distance meters
0.009-0.490	2400/F(kHz)	48.5-13.8	AV	300
0.490-1.705	24000/F(kHz)	33.8-23.0	QP	30
1.705-30	30	29.5	QP	30
30-88	100	40	QP	3
88-216	150	43.5	QP	3
216-960	200	46	QP	3
960-1000	500	54	QP	3
Above 1000	500	54	AV	3
Above 1000	5000	74	PK	3

Note 1: Limit 3m(dBμV/m)=Limit 300m(dBμV/m)+40Log(300m/3m) (Below 30MHz)
Note 2: Limit 3m(dBμV/m)=Limit 30m(dBμV/m)+40Log(30m/3m) (Below 30MHz)

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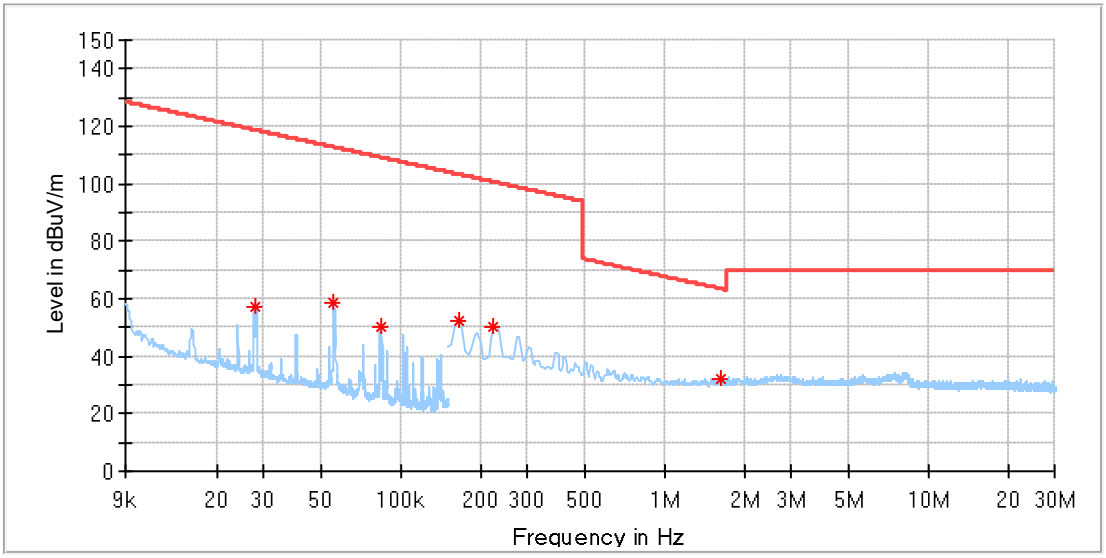
Spurious radiated emissions for transmitter

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.

The only worse case (which is subject to the maximum EIRP, GFSK mode) test result is listed in the report.

Transmitting spurious emission test result as below:

Test data_9kHz to 30MHz (worst case)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.028176	56.93	118.59	61.67	H	202.0	19.88
0.055577	58.52	112.70	54.17	H	202.0	19.92
0.083401	50.01	109.17	59.16	H	248.0	19.92
0.164925	52.47	103.25	50.79	H	54.0	19.89
0.224625	49.90	100.57	50.67	H	152.0	19.88
1.637525	31.95	63.35	31.40	H	34.0	20.01

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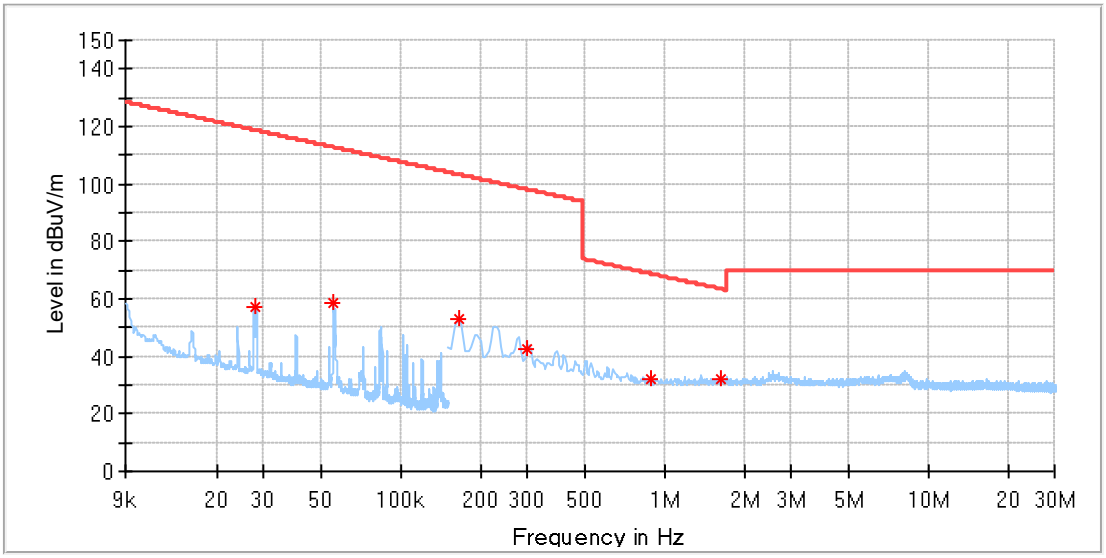

Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Pol	Azimuth (deg)	Corr. (dB/m)
0.028176	56.87	118.59	61.72	V	24.0	19.88
0.055577	58.64	112.70	54.05	V	306.0	19.92
0.164925	52.74	103.25	50.52	V	0.0	19.89
0.299250	42.60	98.08	55.48	V	358.0	19.90
0.886300	32.16	68.67	36.51	V	66.0	19.94
1.637525	32.30	63.35	31.05	V	358.0	20.01

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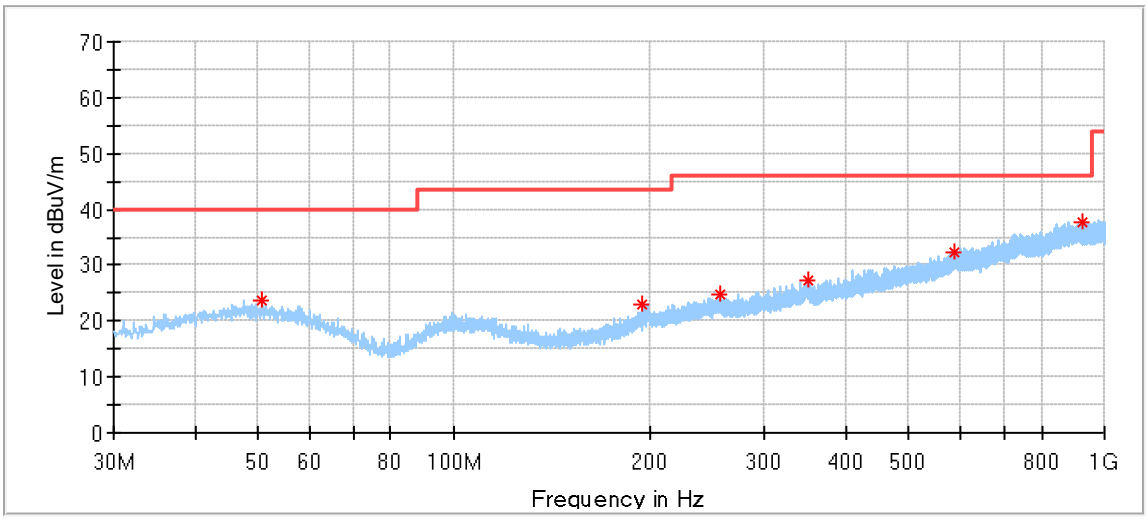
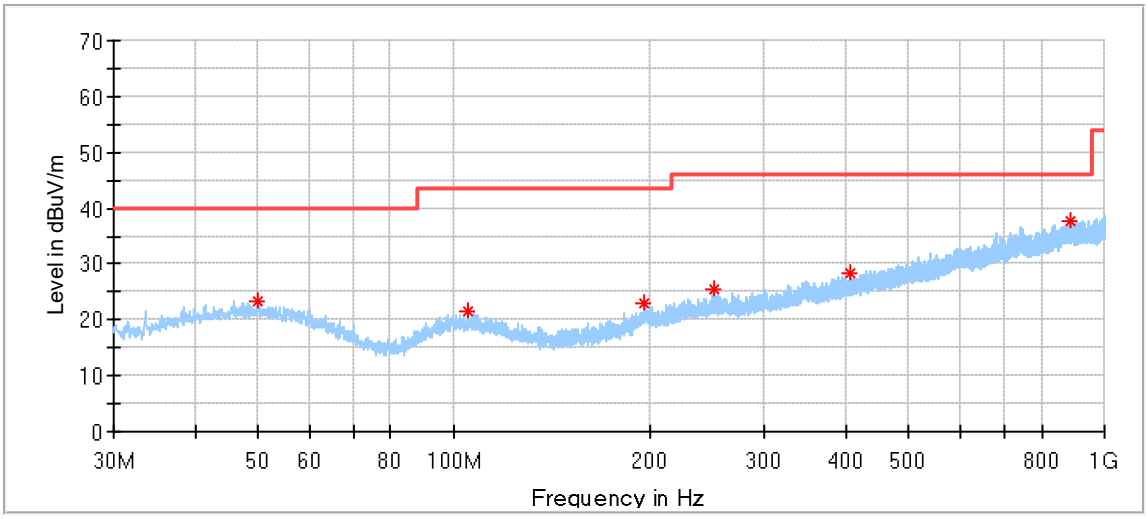
Test data_30MHz to 1000MHz (worst case)



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.801111	23.60	40.00	16.40	200.0	H	0.0	18.06
194.953889	23.05	43.50	20.45	200.0	H	99.0	16.17
257.411111	24.89	46.00	21.11	200.0	H	136.0	18.15
350.638889	27.24	46.00	18.76	200.0	H	99.0	20.29
588.666111	32.14	46.00	13.86	200.0	H	274.0	24.77
922.561667	37.87	46.00	8.13	200.0	H	265.0	29.72



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
50.100556	23.50	40.00	16.50	100.0	V	176.0	18.12
105.175000	21.55	43.50	21.95	100.0	V	356.0	15.68
196.678333	23.05	43.50	20.45	100.0	V	328.0	16.47
250.890556	25.50	46.00	20.50	100.0	V	249.0	17.97
406.952778	28.46	46.00	17.54	100.0	V	317.0	21.25
884.085000	37.77	46.00	8.23	100.0	V	328.0	29.43

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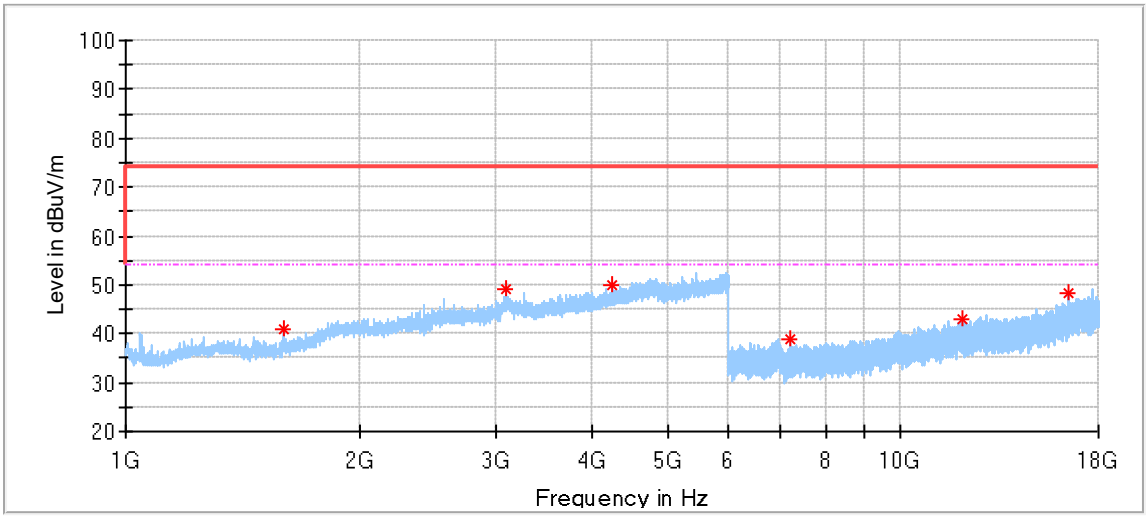
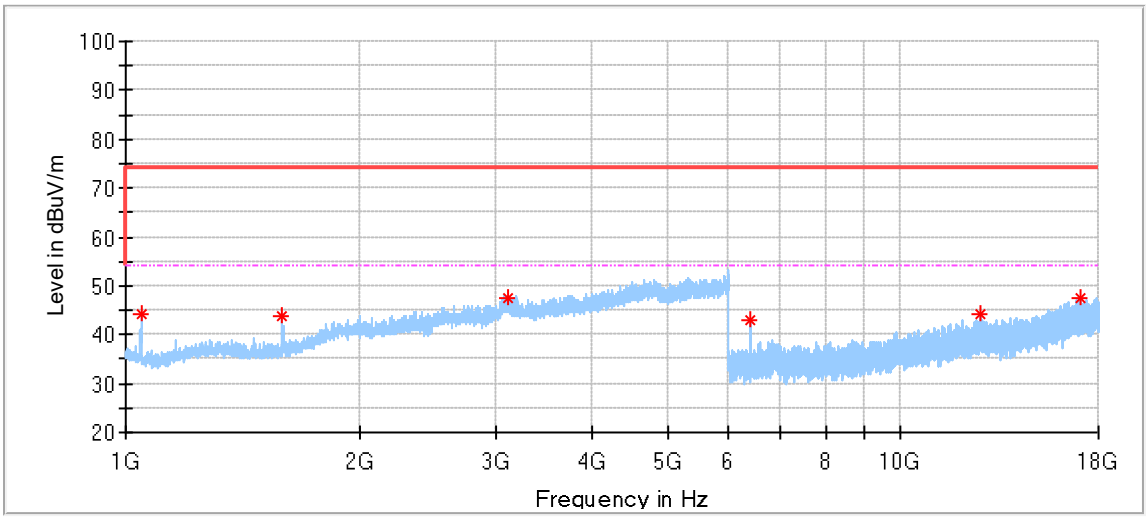
Test data 1GHz to 18GHz:
DH5_Low Channel:



Critical_Freqs

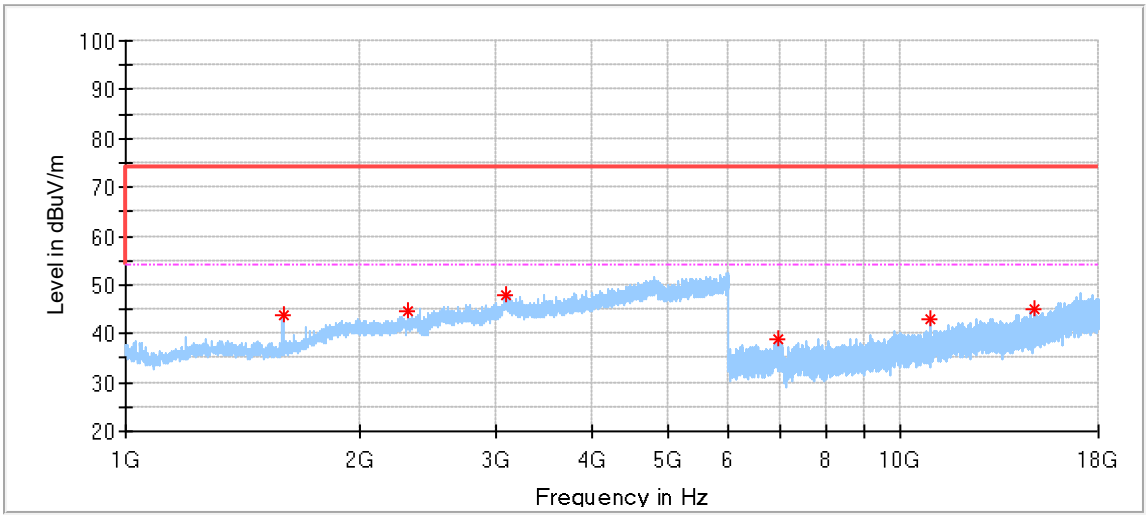
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1598.500000	40.93	74.00	33.07	150.0	H	255.0	-7.10
3093.500000	49.03	74.00	24.97	150.0	H	96.0	2.60
4249.000000	50.10	74.00	23.90	150.0	H	120.0	3.66
7210.500000	38.73	74.00	35.27	150.0	H	154.0	8.96
12003.000000	43.02	74.00	30.98	150.0	H	203.0	16.34
16504.500000	48.17	74.00	25.83	150.0	H	276.0	22.74



Critical_Freqs

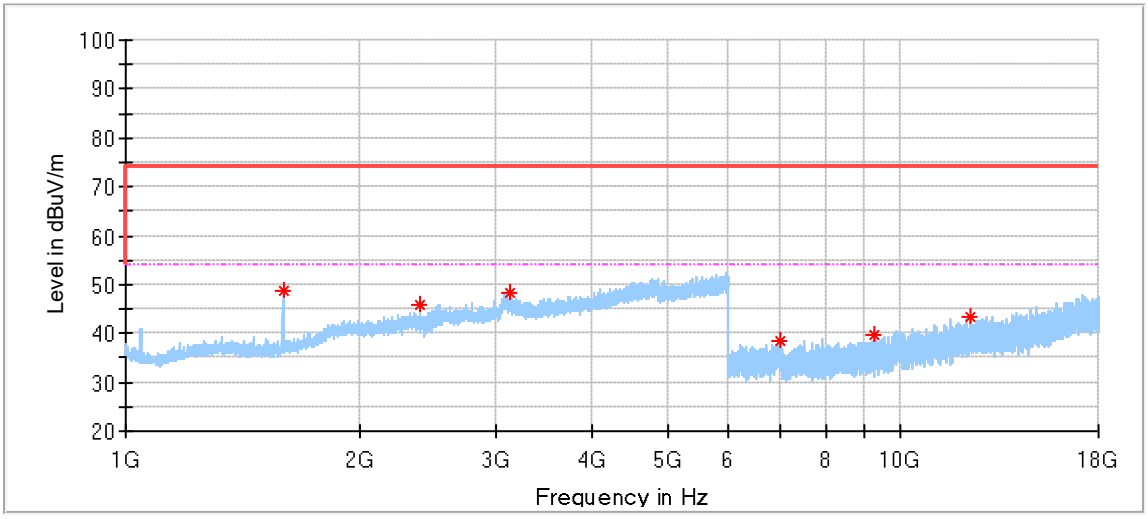
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1046.500000	44.17	74.00	29.83	150.0	V	334.0	-9.16
1593.000000	43.97	74.00	30.03	150.0	V	193.0	-7.17
3112.500000	47.68	74.00	26.32	150.0	V	84.0	2.38
6393.500000	42.94	74.00	31.06	150.0	V	131.0	8.59
12669.500000	44.26	74.00	29.74	150.0	V	253.0	16.49
17092.500000	47.47	74.00	26.53	150.0	V	350.0	24.55

DH5_Middle Channel:



Critical_Freqs

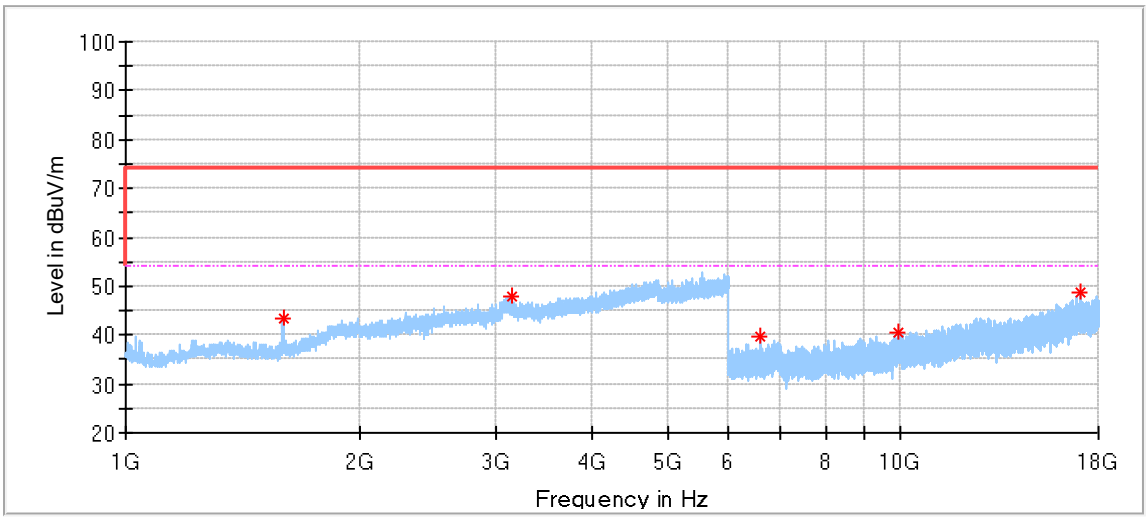
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1596.000000	43.65	74.00	30.35	150.0	H	254.0	-7.12
2313.500000	44.76	74.00	29.24	150.0	H	281.0	-1.82
3097.500000	47.75	74.00	26.25	150.0	H	166.0	2.70
6940.000000	39.00	74.00	35.00	150.0	H	233.0	9.54
10915.500000	42.94	74.00	31.06	150.0	H	282.0	13.78
14921.500000	44.89	74.00	29.11	150.0	H	61.0	18.47



Critical_Freqs

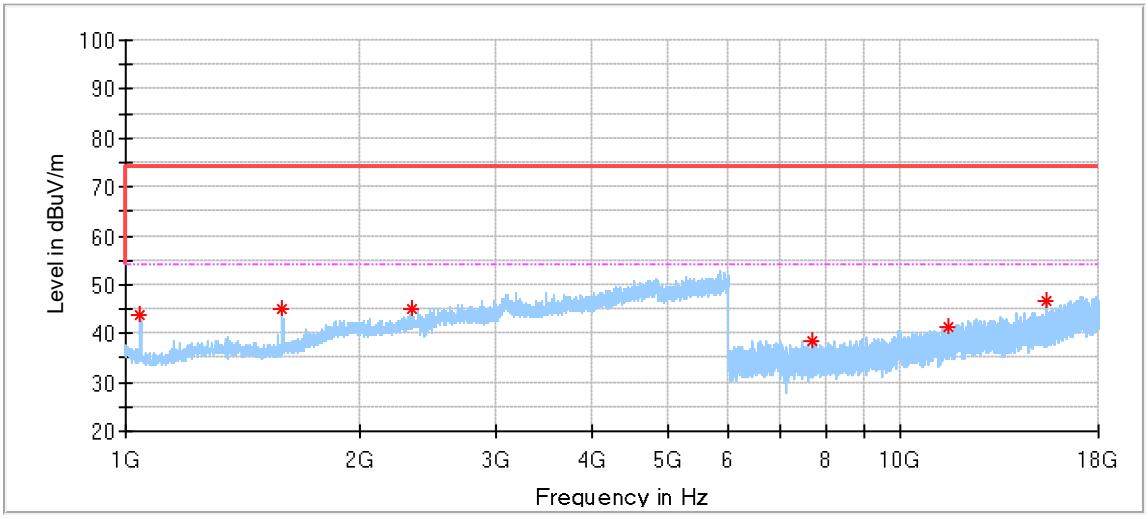
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1595.000000	48.58	74.00	25.42	150.0	V	196.0	-7.13
2393.000000	45.99	74.00	28.01	150.0	V	233.0	-1.45
3138.500000	48.38	74.00	25.62	150.0	V	172.0	1.78
6979.000000	38.32	74.00	35.68	150.0	V	158.0	9.39
9241.000000	39.90	74.00	34.10	150.0	V	158.0	12.16
12323.000000	43.22	74.00	30.78	150.0	V	280.0	16.51

DH5_Hight Channel:



Critical_Freqs

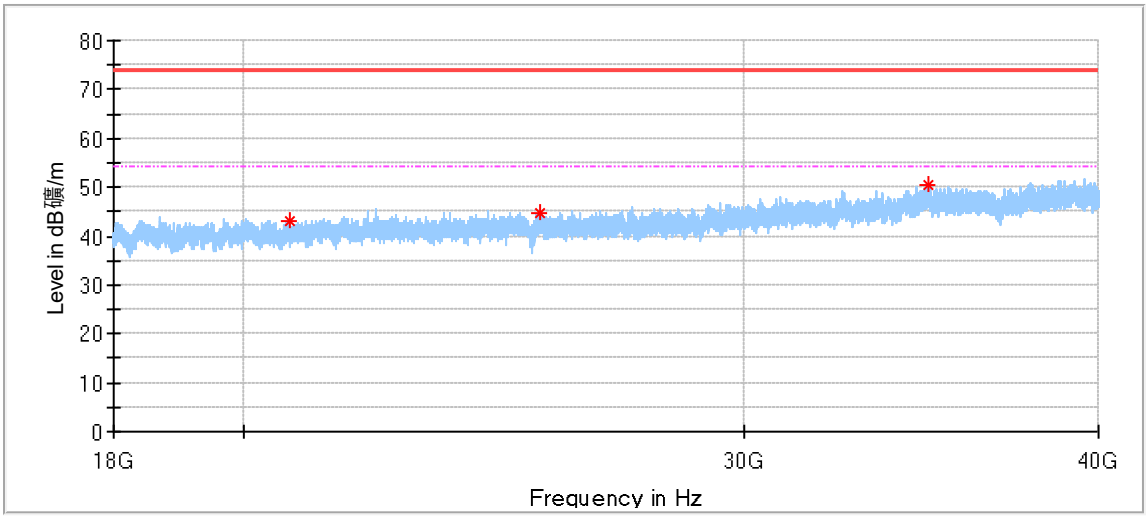
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1595.000000	43.47	74.00	30.53	150.0	H	254.0	-7.13
3144.000000	47.73	74.00	26.27	150.0	H	30.0	1.64
6574.000000	39.86	74.00	34.14	150.0	H	204.0	8.56
9916.500000	40.47	74.00	33.53	150.0	H	31.0	13.02
17065.500000	48.57	74.00	25.43	150.0	H	107.0	24.58



Critical_Freqs

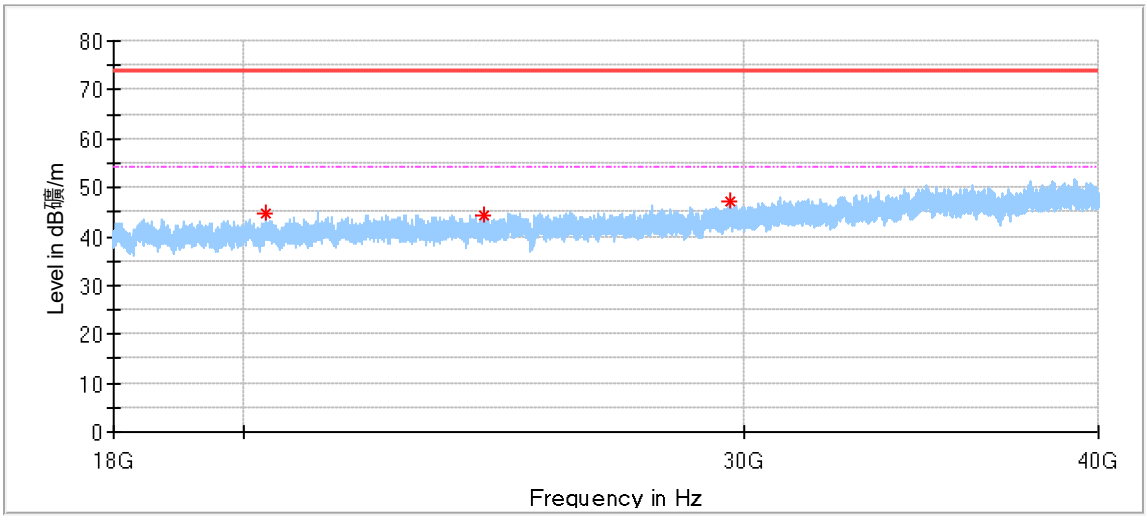
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1045.000000	43.76	74.00	30.24	150.0	V	334.0	-9.14
1593.500000	44.96	74.00	29.04	150.0	V	201.0	-7.16
2334.000000	45.07	74.00	28.93	150.0	V	241.0	-1.93
7680.500000	38.38	74.00	35.62	150.0	V	154.0	9.99
11552.000000	41.43	74.00	32.57	150.0	V	227.0	15.37
15422.500000	46.53	74.00	27.47	150.0	V	276.0	19.38

Test data 18GHz to 40GHz:
DH5_Low Channel:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20759.625000	43.24	74.00	30.76	150.0	H	356.0	0.6
25447.000000	44.60	74.00	29.40	150.0	H	199.0	3.5
34824.500000	50.44	74.00	23.56	150.0	H	0.0	7.5



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20351.250000	44.56	74.00	29.44	150.0	V	144.0	0.0
24294.062500	44.26	74.00	29.74	150.0	V	345.0	2.6
29660.000000	47.07	74.00	26.93	150.0	V	65.0	3.7

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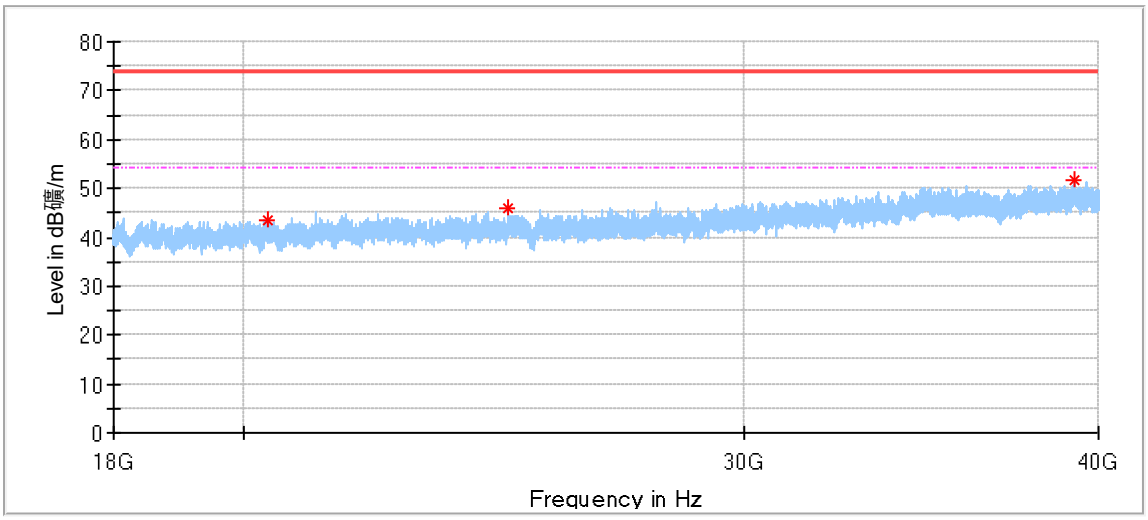
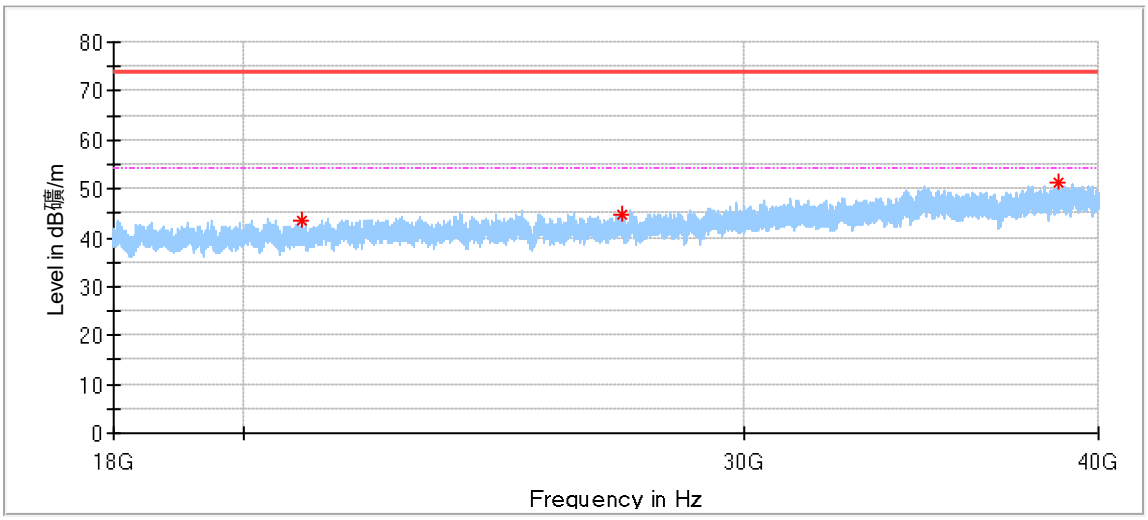
DH5_Middle Channel:



Critical_Freqs

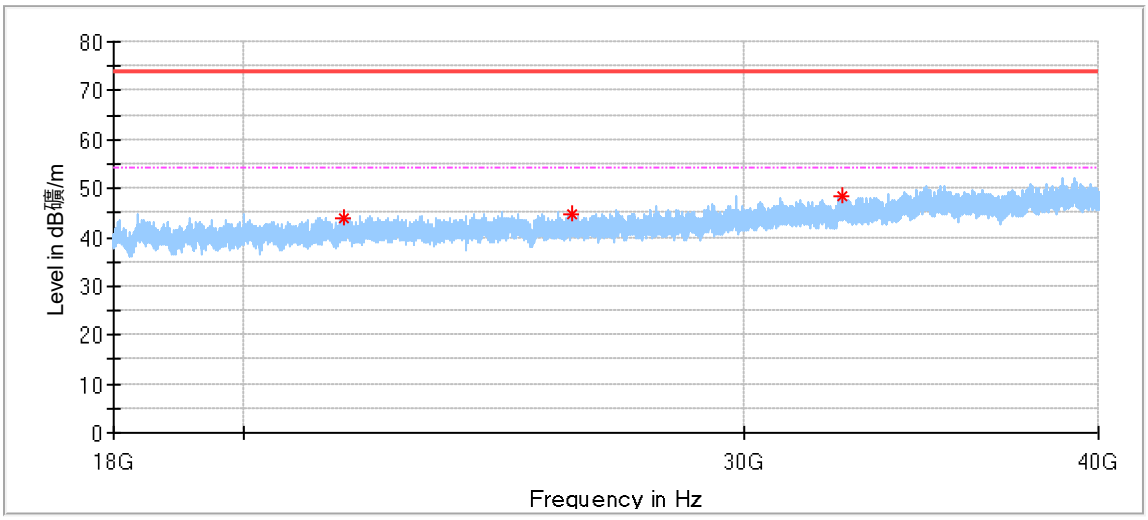
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20403.500000	43.59	74.00	30.41	150.0	H	328.0	0.1
24792.500000	45.75	74.00	28.25	150.0	H	141.0	3.4
39223.812500	51.71	74.00	22.29	150.0	H	126.0	10.3



Critical_Freqs

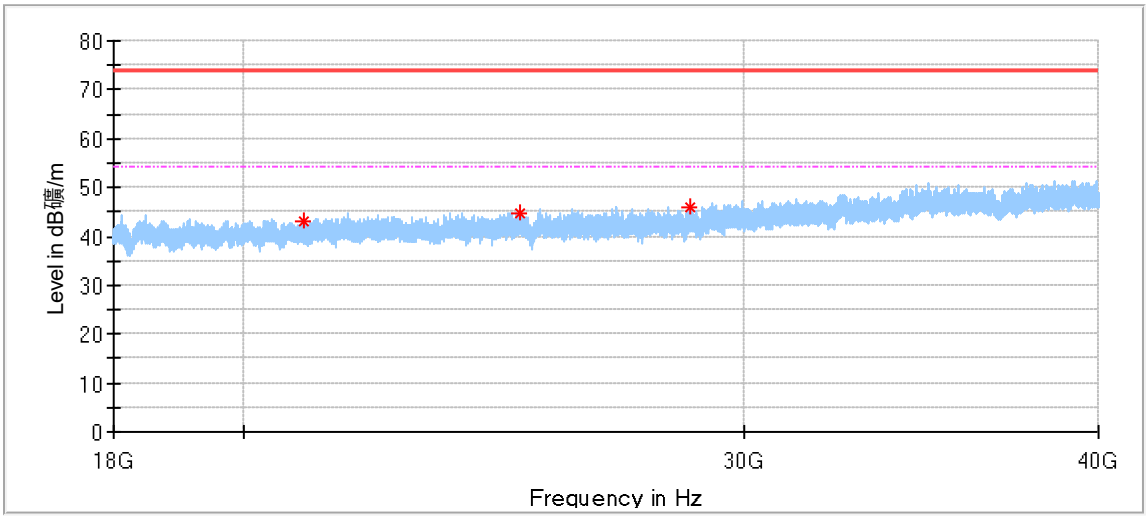
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
20978.937500	43.44	74.00	30.56	150.0	V	65.0	0.8
27167.125000	44.83	74.00	29.17	150.0	V	219.0	3.9
38750.812500	51.10	74.00	22.90	150.0	V	189.0	9.5

DH5 Hight Channel:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
21698.062500	43.74	74.00	30.26	150.0	H	6.0	1.7
26118.000000	44.88	74.00	29.12	150.0	H	329.0	3.5
32484.250000	48.52	74.00	25.48	150.0	H	61.0	5.3

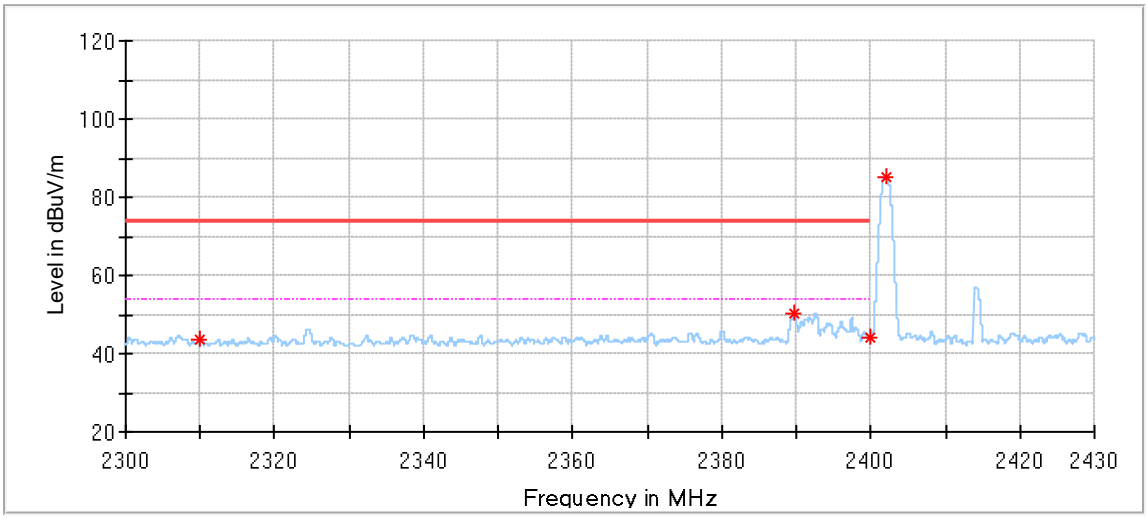


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
21008.500000	43.06	74.00	30.94	150.0	V	80.0	0.9
25022.125000	44.56	74.00	29.44	150.0	V	111.0	3.6
28727.750000	45.79	74.00	28.21	150.0	V	0.0	3.8

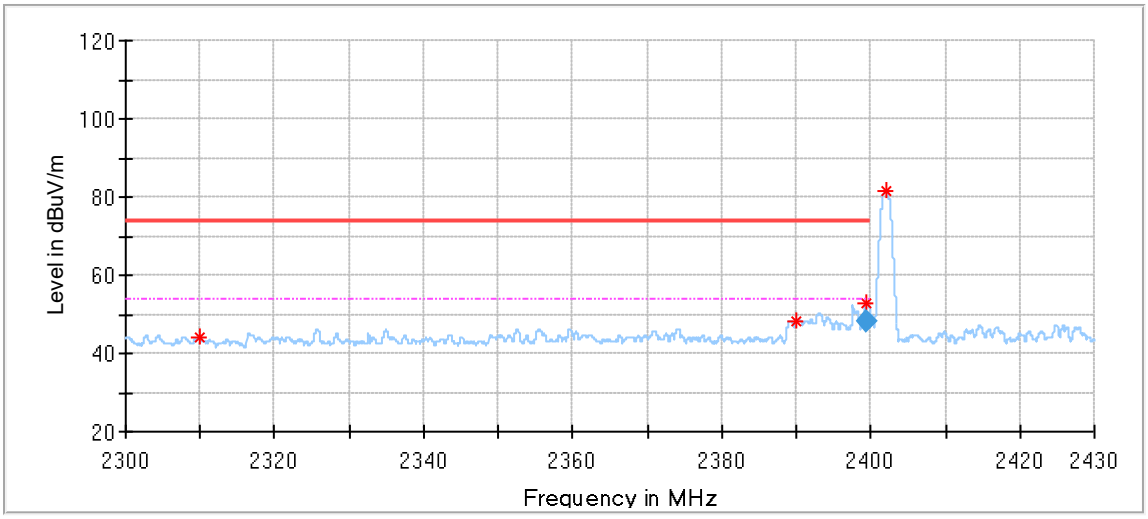
Restricted bands of operation. test result as below:

DH5_2402MHz:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2310.010000	43.68	74.00	30.32	150.0	H	279.0	-2.19
2389.674000	50.43	74.00	23.57	150.0	H	265.0	-1.92
2399.983000	44.15	74.00	29.85	150.0	H	132.0	-1.76
2402.076000	85.21	---	---	150.0	H	265.0	-1.73



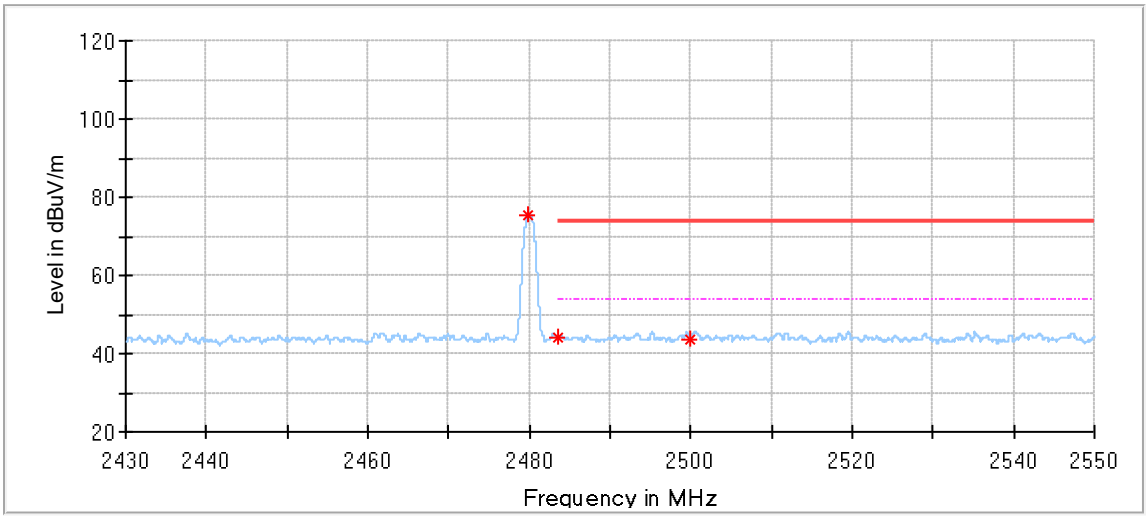
Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2309.997000	44.27	74.00	29.73	150.0	V	244.0	-2.19
2390.012000	48.44	74.00	25.56	150.0	V	244.0	-1.92
2399.385000	52.84	74.00	21.16	150.0	V	231.0	-1.77
2401.972000	81.29	---	---	150.0	V	309.0	-1.73

Final_Result

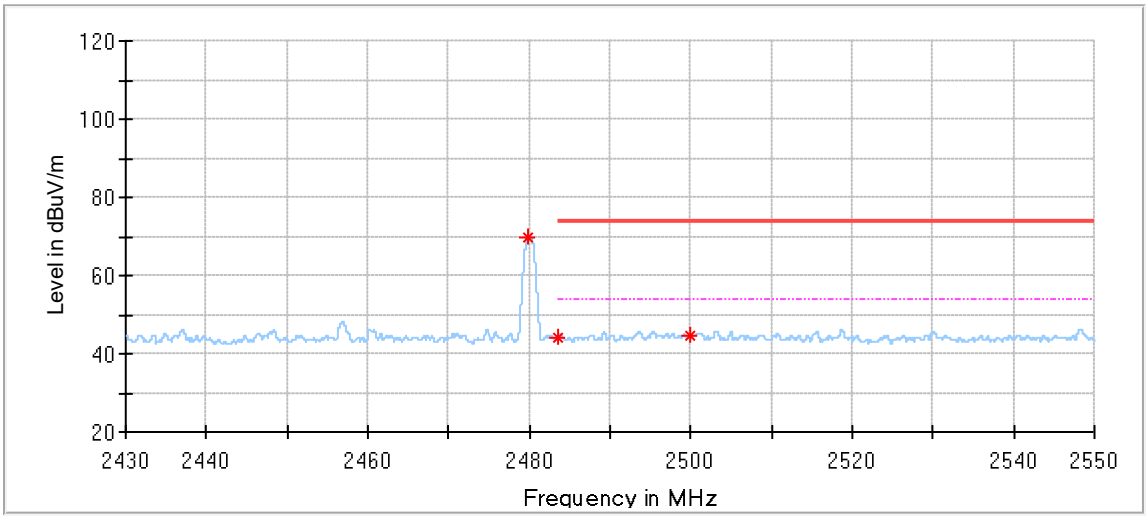
Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2399.385000	48.20	54.00	7.80	150.0	V	231.0	-1.77

DH5_2480MHz:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.800000	75.58	---	---	150.0	H	267.0	-1.44
2483.532000	44.12	74.00	29.88	150.0	H	13.0	-1.45
2499.996000	43.63	74.00	30.37	150.0	H	218.0	-1.48



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.752000	69.77	---	---	150.0	V	6.0	-1.44
2483.532000	44.29	74.00	29.71	150.0	V	240.0	-1.45
2500.008000	44.69	74.00	29.31	150.0	V	288.0	-1.48

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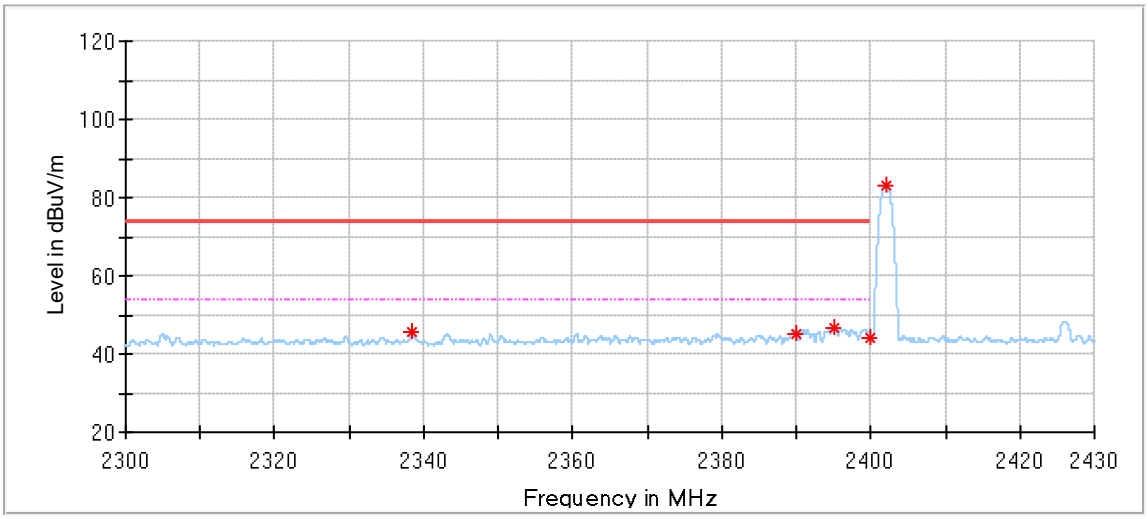
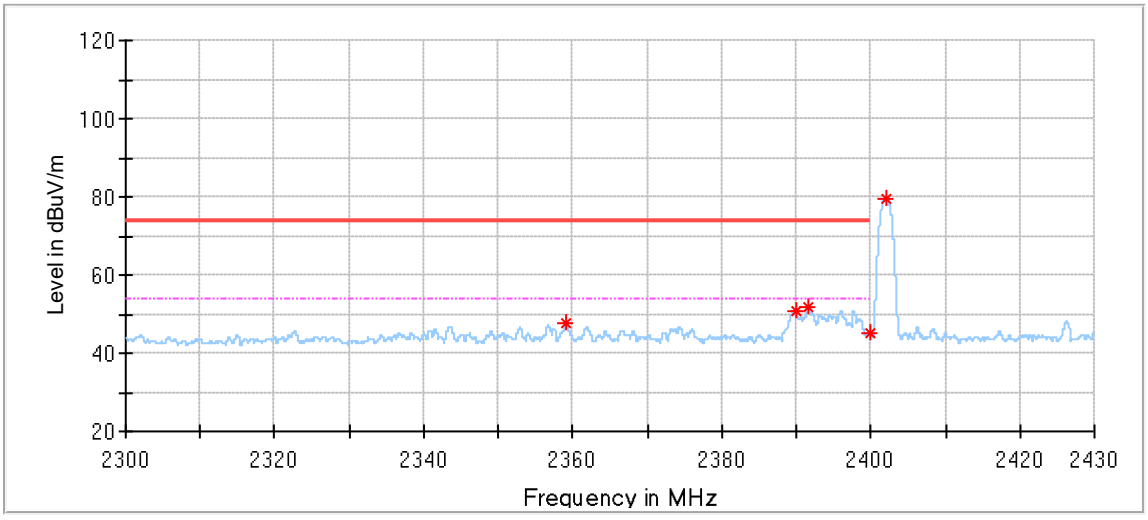
2DH5_2402MHz:



Critical_Freqs

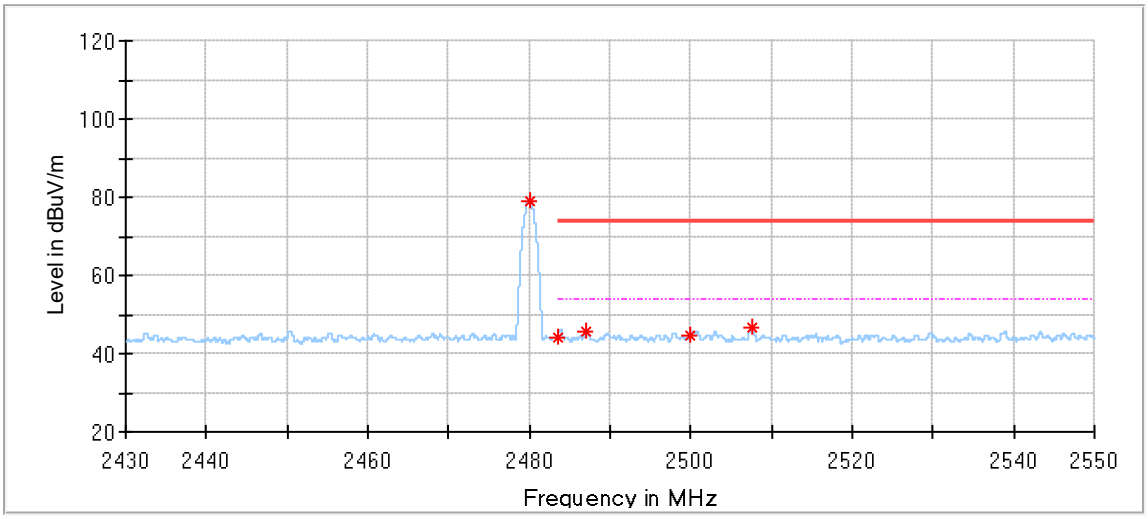
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2338.402000	45.41	74.00	28.59	150.0	H	359.0	-2.38
2389.999000	45.27	74.00	28.73	150.0	H	321.0	-1.92
2395.069000	46.90	74.00	27.10	150.0	H	0.0	-1.84
2399.996000	43.88	74.00	30.12	150.0	H	348.0	-1.76
2402.011000	83.30	---	---	150.0	H	276.0	-1.73



Critical_Freqs

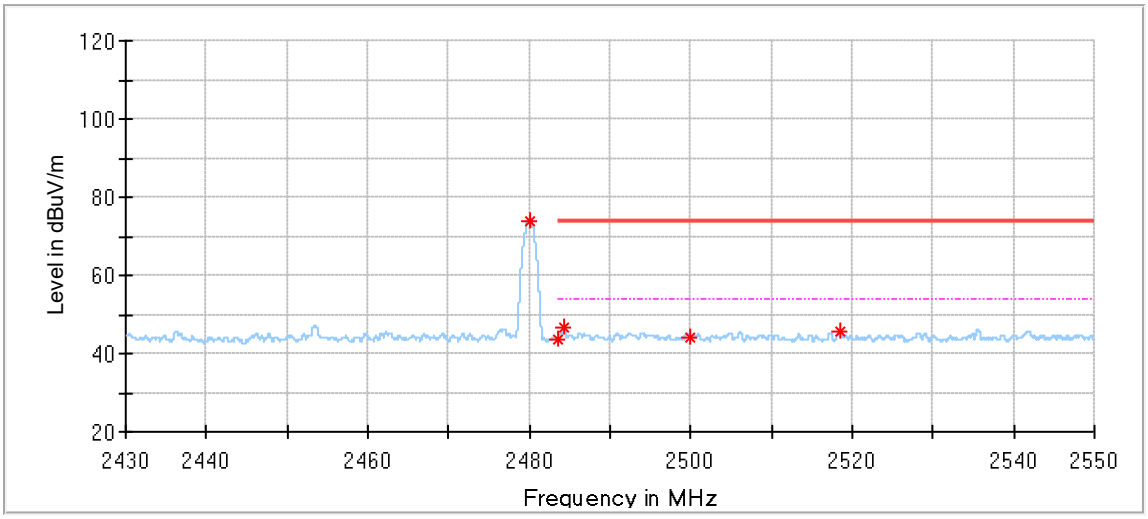
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2359.111000	47.78	74.00	26.22	150.0	V	303.0	-2.36
2389.973000	50.56	74.00	23.44	150.0	V	313.0	-1.92
2391.624000	51.55	74.00	22.45	150.0	V	303.0	-1.89
2399.983000	44.92	74.00	29.08	150.0	V	249.0	-1.76
2402.011000	79.26	---	---	150.0	V	258.0	-1.73

2DH5_2480MHz:



Critical_Freqs

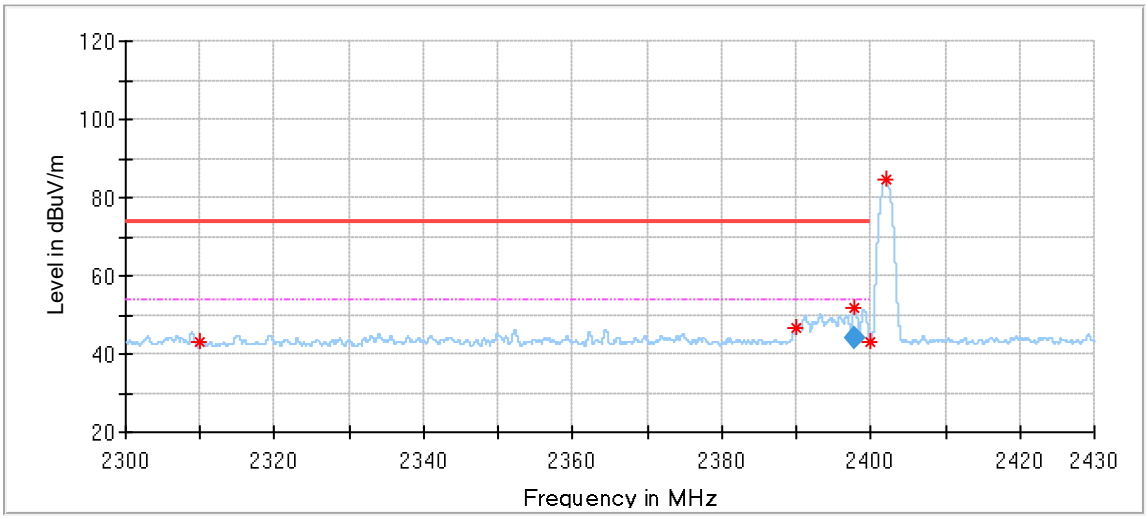
Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2480.004000	78.96	---	---	150.0	H	285.0	-1.44
2483.460000	44.09	---	---	150.0	H	12.0	-1.45
2486.952000	45.50	74.00	28.50	150.0	H	5.0	-1.45
2500.008000	44.66	74.00	29.34	150.0	H	1.0	-1.48
2507.508000	46.43	74.00	27.57	150.0	H	330.0	-1.46



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2480.016000	74.00	---	---	150.0	V	227.0	-1.44
2483.484000	43.70	---	---	150.0	V	302.0	-1.45
2484.240000	46.46	74.00	27.54	150.0	V	311.0	-1.45
2499.984000	44.32	74.00	29.68	150.0	V	9.0	-1.48
2518.500000	45.90	74.00	28.10	150.0	V	272.0	-1.43

3DH5_2402MHz:

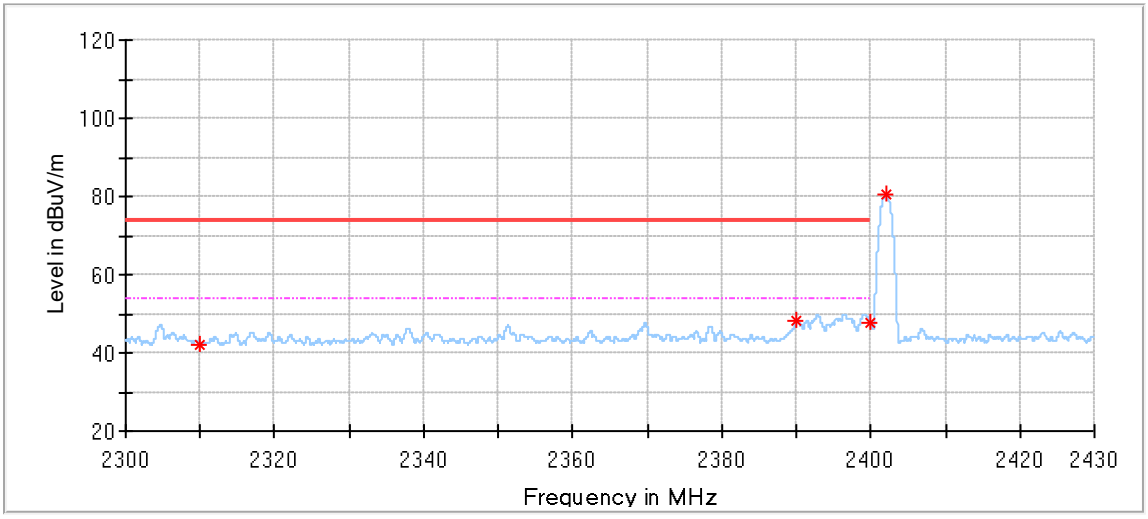


Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2309.997000	43.08	74.00	30.92	150.0	H	296.0	-2.19
2390.012000	46.58	74.00	27.42	150.0	H	270.0	-1.92
2397.812000	51.80	74.00	22.20	150.0	H	258.0	-1.79
2399.931000	43.09	74.00	30.91	150.0	H	182.0	-1.76
2402.180000	84.50	---	---	150.0	H	270.0	-1.72

Final_Result

Frequency (MHz)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2397.812000	43.85	54.00	10.15	150.0	H	258.0	-1.79



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2309.997000	42.22	74.00	31.78	150.0	V	249.0	-2.19
2390.012000	48.37	74.00	25.63	150.0	V	297.0	-1.92
2399.944000	47.73	74.00	26.27	150.0	V	235.0	-1.76
2401.972000	80.32	---	---	150.0	V	309.0	-1.73

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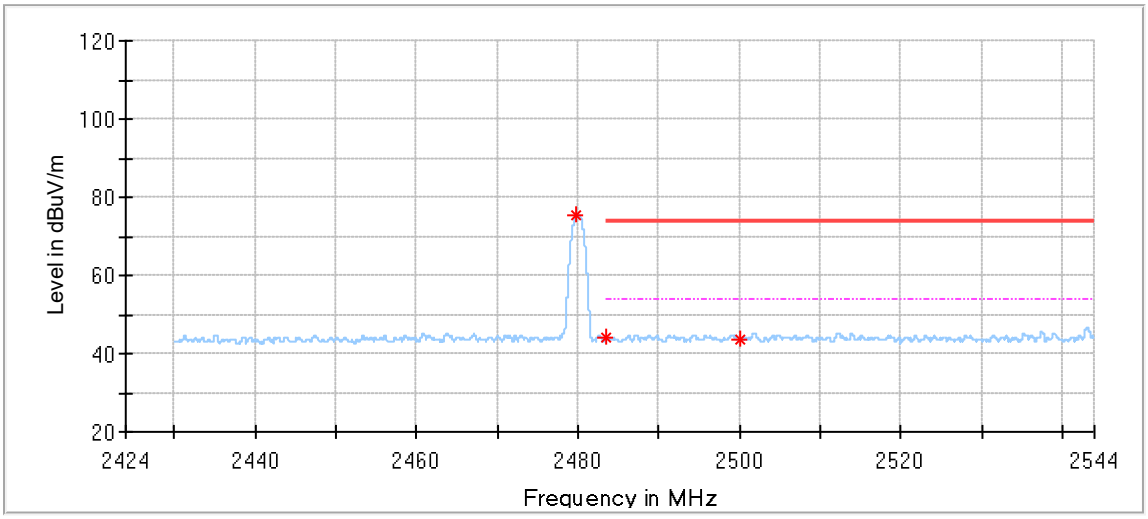
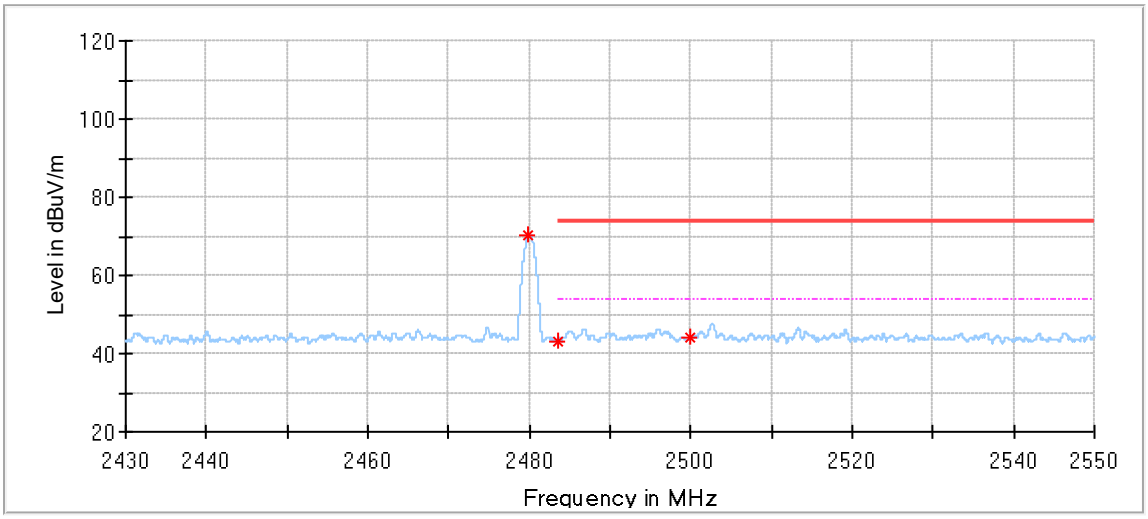
3DH5_2480MHz:



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.896000	75.60	---	---	150.0	H	276.0	-1.44
2483.508000	43.91	74.00	30.09	150.0	H	338.0	-1.45
2500.008000	43.56	74.00	30.44	150.0	H	288.0	-1.48



Critical_Freqs

Frequency (MHz)	MaxPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2479.776000	70.30	---	---	150.0	V	114.0	-1.44
2483.520000	43.04	74.00	30.96	150.0	V	126.0	-1.45
2500.008000	44.02	74.00	29.98	150.0	V	78.0	-1.48

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. For 9kHz-30MHz and 30MHz-1GHz, all modes were tested, and only the modes with the worst data (DH5_2402MHz) were represented in the report.

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10 Test Equipment List

List of Test Instruments

Radiated Emission Test (9kHz-30MHz) (SAC-3 #1)

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	2026-4-25
Loop Antenna	Rohde & Schwarz	HFH2-Z2	68-4-80-14-006	100398	1	2025-7-24 2026-7-17
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	68-4-90-14-001-A10	Version10.35.02	N/A	N/A

Radiated Emission Test (30MHz-1GHz) (SAC-3 #2)

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	2026-4-25
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9162	68-4-80-19-003	284	1	2026-2-11
Attenuator	Mini-circuits	UNAT-6+	68-4-81-21-002	15542	1	2026-4-19
Cable	OUQIAO	18DLB5-NMNM-7000	68-4-90-19-006-A22	----	----	----
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

Radiated Emission Test (1GHz-18GHz) (SAC-3 #2)

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	2026-4-25
Wave Guide Antenna	ETS	3117	68-4-80-19-001	00218954	1	2026-3-10
Pre-amplifier	Rohde & Schwarz	SCU 18F	68-4-29-19-001	100745	1	2026-4-19
Cable	OUQIAO	18DLB5-NMNM-7000	68-4-90-19-006-A22	----	----	----
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

Radiated Emission Test (18GHz-40GHz) (SAC-3 #2)

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	2026-4-25
Sideband Horn Antenna	Q-PAR	QWH-SL-18-40-K-SG	68-4-80-14-008	12827	1	2026-6-19
Pre-amplifier	Rohde & Schwarz	SCU 40A	68-4-29-14-002	100432	1	2026-7-7
Cable	JUNFLON	MWX241	68-4-90-19-006-A21	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #2	68-4-90-19-006	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-19-006-A01	Version10.35.02	N/A	N/A

RF Test System

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-004	101030	1	2026-4-18
RF Meas. and Switch Matrix Unit	TST PASS	TSCB3023R2	68-4-93-23-001	2811685c	1	2026-4-18
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

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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 Radiated Emission in 3m chamber (68-4-90-14-001) 9kHz-30MHz	4.69dB
Uncertainty for Radiated Emission in new 2# 3m chamber (68-4-90-19-006) 30MHz-1000MHz	Horizontal: 4.79dB; Vertical: 5.86dB;
Uncertainty for Radiated Emission in new 2# 3m chamber (68-4-90-19-006) 1000MHz-18000MHz	Horizontal: 5.37dB; Vertical: 5.37dB;
Uncertainty for Radiated Emission in new 2# 3m chamber (68-4-90-19-006) 18GHz-40GHz	5.29dB
Uncertainty for RF Conducted Measurement power	1.12dB

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

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