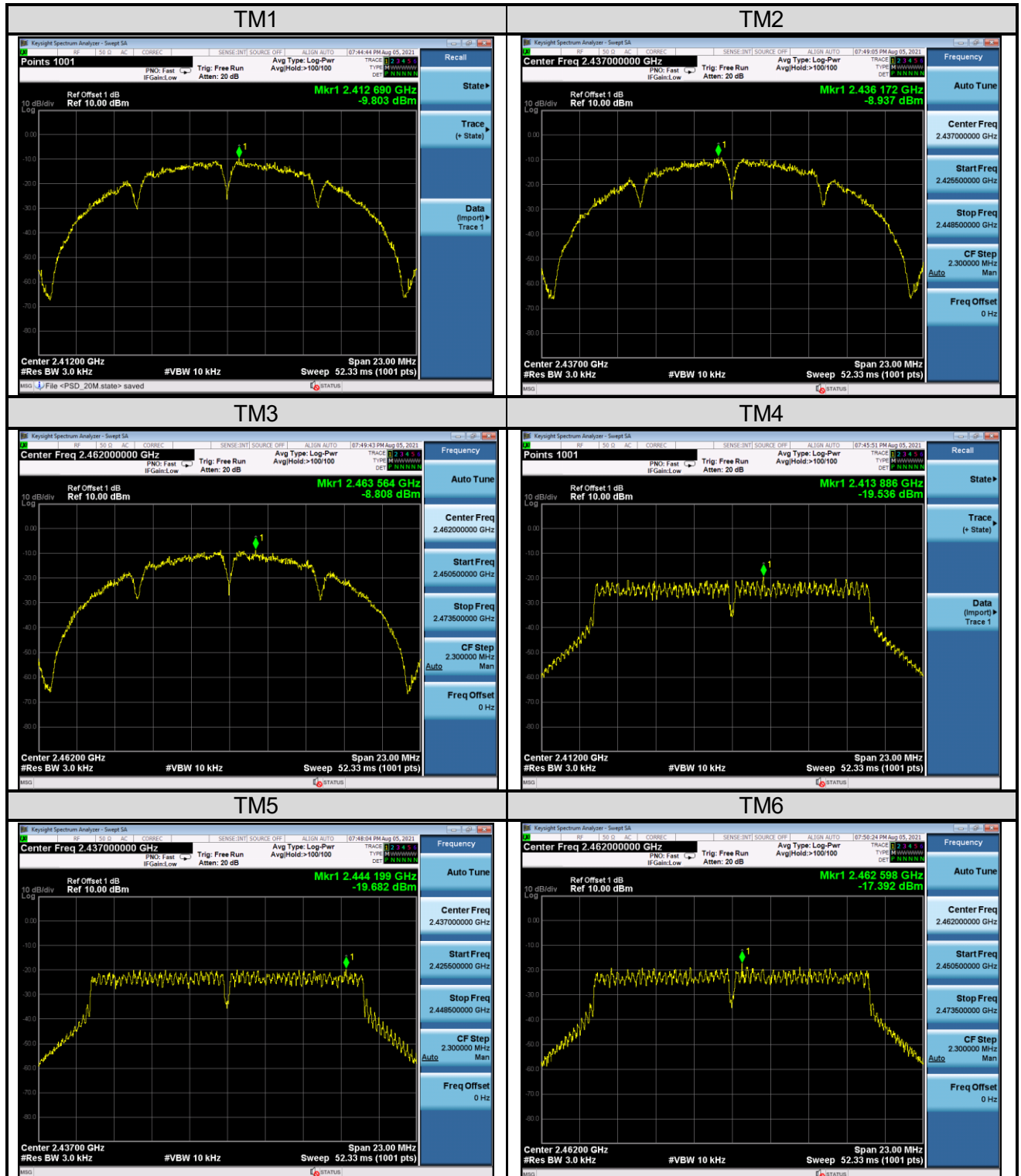
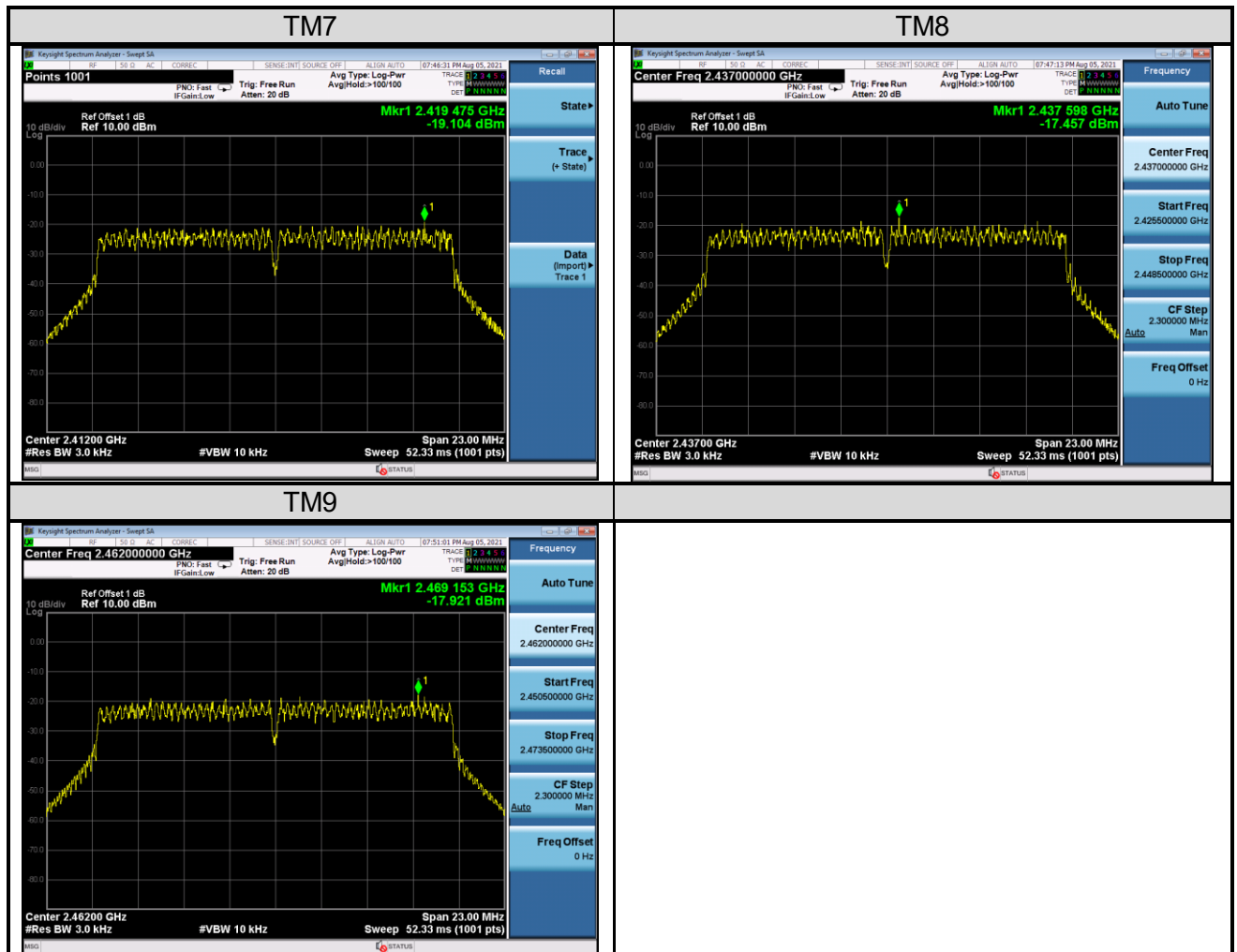


Figure 4: Power Spectral Density




Prüfbericht - Nr.: CN2130SX 001
*Test Report No.***Seite 23 von 119**
Page 23 of 119

5.1.5 Conducted Band Edge and out-of Band Emissions

RESULT:**Pass**

Date of testing	:	2021-08-03
Ambient temperature	:	22.9°C
Relative humidity	:	56.1%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(d) RSS-247 Issue 2, February 2017, Clause 5.5
Test procedure	:	ANSI C63.10: 2013
Test voltage	:	DC 24V
Test modes applied	:	TM1 to TM9

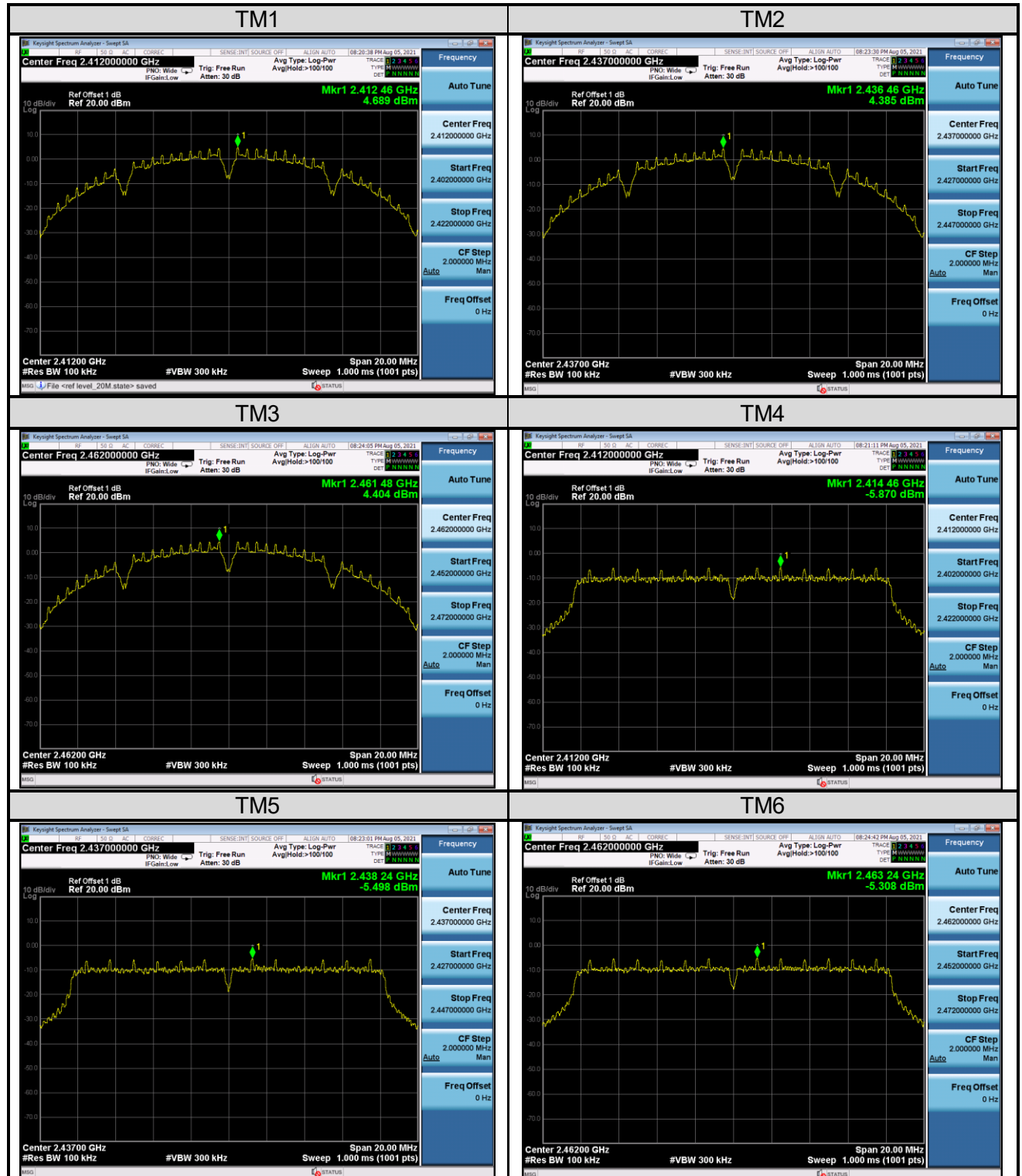
Figure 5: Reference level




Figure 6: Conducted Spurious Emission

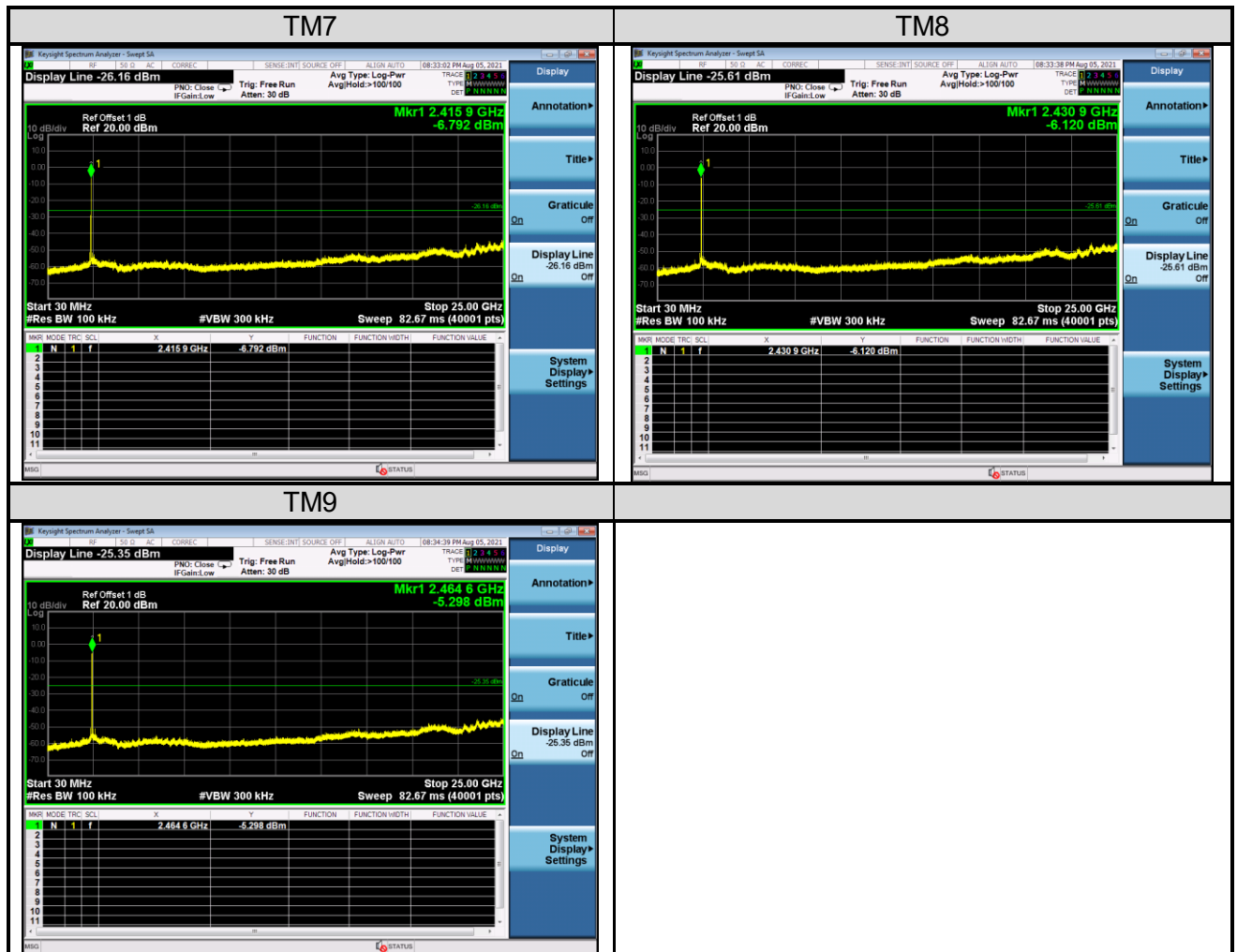
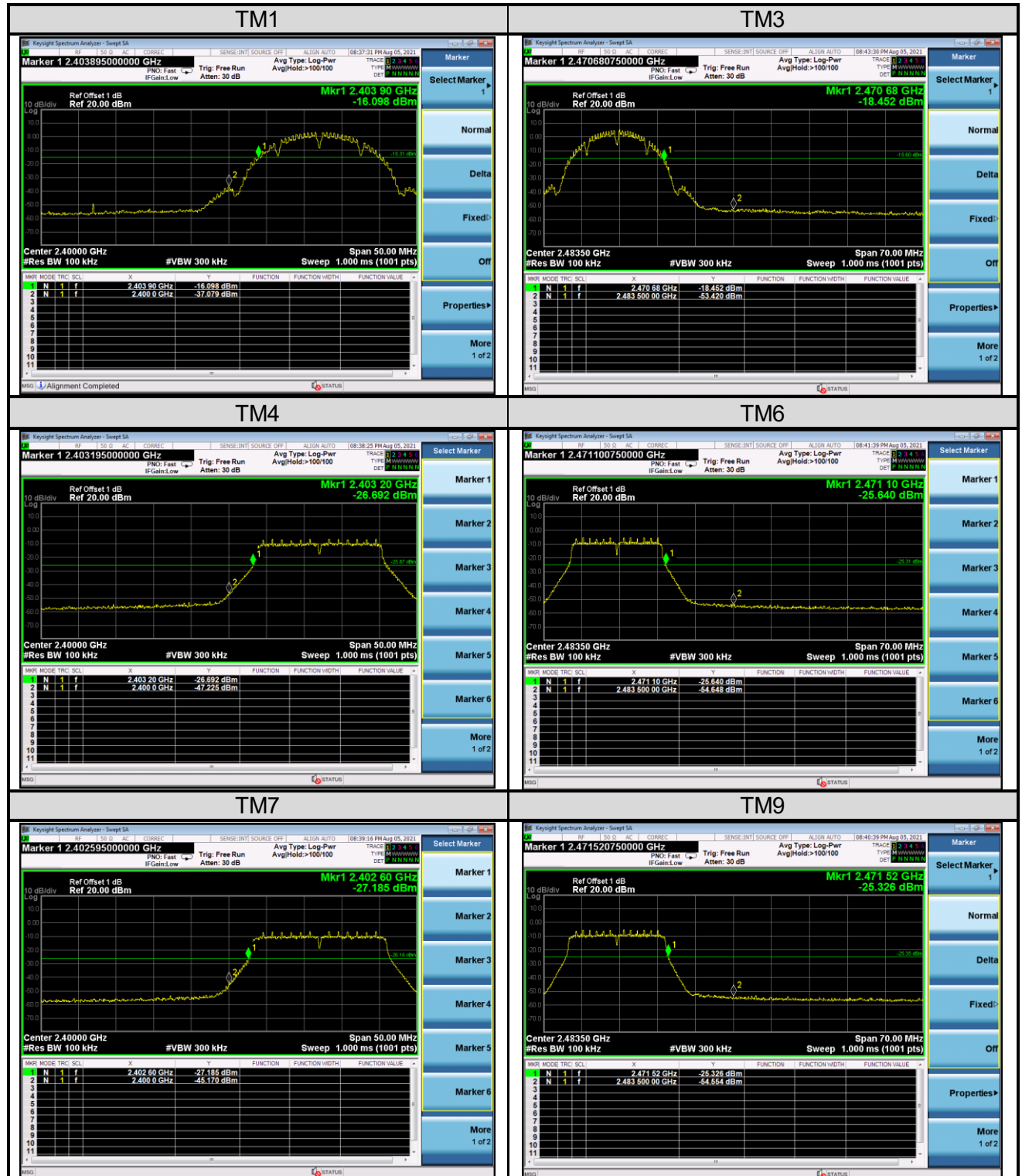



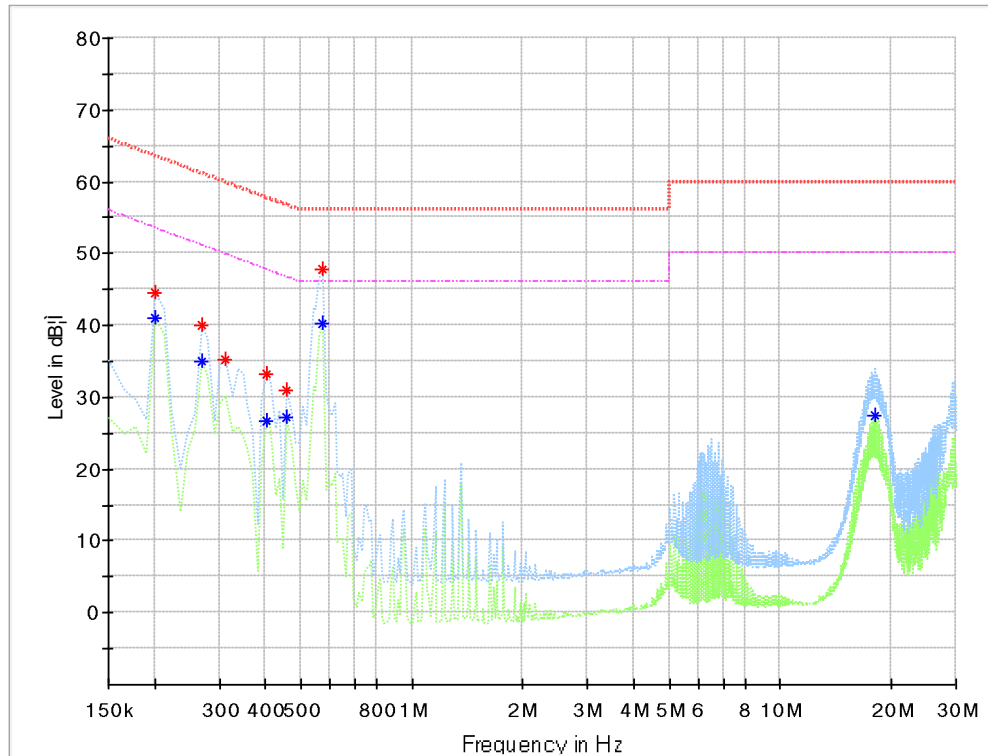
Figure 7: Conducted Band Edge


5.2 Emission in the Frequency Range up to 30MHz

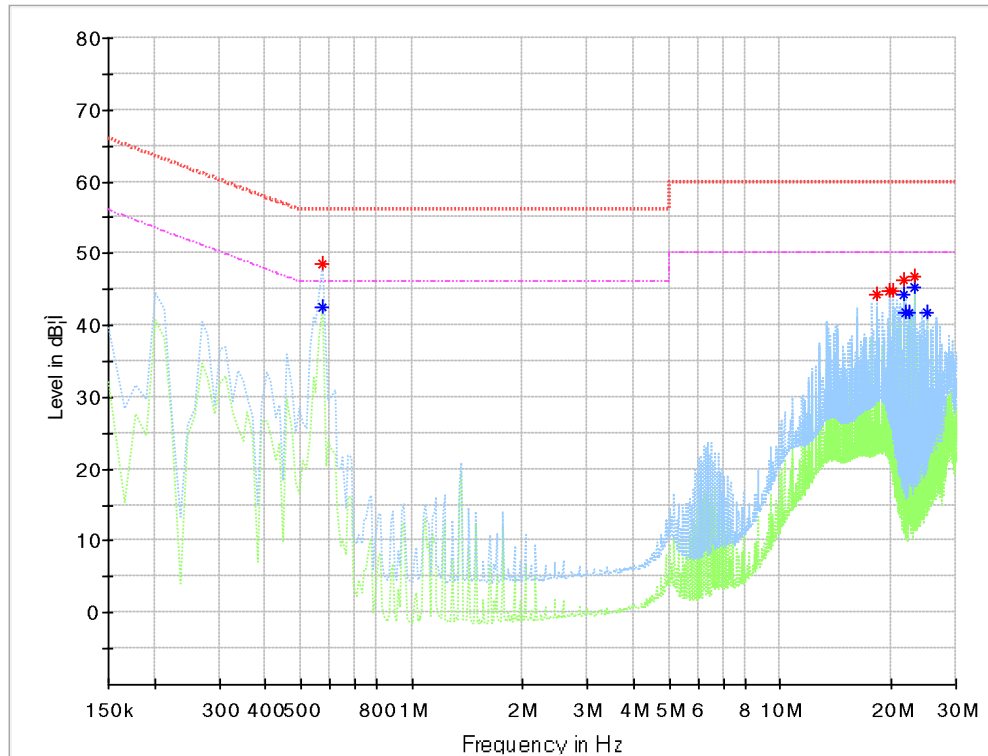
5.2.1 Conducted Emission

RESULT:**Pass**

Date of testing	:	2021-07-28
Ambient temperature	:	22.9°C
Relative humidity	:	56.1%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.207 (a) RSS-Gen Issue 5, Amendment 2, February 2021, Clause 8.8
Test procedure	:	ANSI C63.10: 2013
Test voltage	:	AC 120V/60Hz
Test modes applied	:	TM10

Figure 8: Conducted Emission, L

Critical_Freqs

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.200625	44.61	---	63.59	18.97	L1	9.5
0.200625	---	40.99	53.59	12.59	L1	9.5
0.268125	39.97	---	61.18	21.20	L1	9.5
0.268125	---	34.93	51.18	16.24	L1	9.5
0.313125	35.32	---	59.89	24.57	L1	9.6
0.403125	33.16	---	57.79	24.63	L1	9.6
0.403125	---	26.74	47.79	21.04	L1	9.6
0.459375	30.90	---	56.70	25.80	L1	9.6
0.459375	---	27.22	46.70	19.49	L1	9.6
0.571875	47.82	---	56.00	8.18	L1	9.6
0.571875	---	40.19	46.00	5.81	L1	9.6
18.166875	---	27.36	50.00	22.64	L1	10.2

Figure 9: Conducted Emission, N

Critical_Freqs

Frequency (MHz)	QuasiPeak (dBµV)	Average (dBµV)	Limit (dBµV)	Margin (dB)	Line	Corr. (dB)
0.571875	48.45	---	56.00	7.55	N	9.6
0.571875	---	42.46	46.00	3.54	N	9.6
18.245625	44.24	---	60.00	15.76	N	10.1
19.708125	44.86	---	60.00	15.14	N	10.2
20.259375	44.72	---	60.00	15.28	N	10.2
21.665625	46.32	---	60.00	13.68	N	10.2
21.665625	---	44.19	50.00	5.81	N	10.2
21.913125	---	41.73	50.00	8.27	N	10.2
22.453125	---	41.80	50.00	8.20	N	10.2
23.128125	46.94	---	60.00	13.06	N	10.2
23.128125	---	45.33	50.00	4.67	N	10.2
24.995625	---	41.68	50.00	8.32	N	10.2

5.3 Emission in the Frequency Range above 30MHz

5.3.1 Radiated Band-Edge

RESULT:**Pass**

Date of testing	:	2021-08-11
Ambient temperature	:	26.1°C
Relative humidity	:	32.7%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(d) FCC Part 15.205(a) FCC Part 15.209(a) RSS-Gen Issue 5, Amendment 2, February 2021, Clause 8.9 RSS-Gen Issue 5, Amendment 2, February 2021, Clause 8.10 RSS-247 Issue 2, February 2017, Clause 5.5
Test procedure	:	ANSI C63.10: 2013
Test voltage	:	AC 120V/60Hz
Test modes applied	:	TM1, TM3, TM4, TM6, TM7, TM9

Figure 10: Radiated Band-Edge, TM1, H

RE_1-1.8GHz_HL050_FSV40_Pre

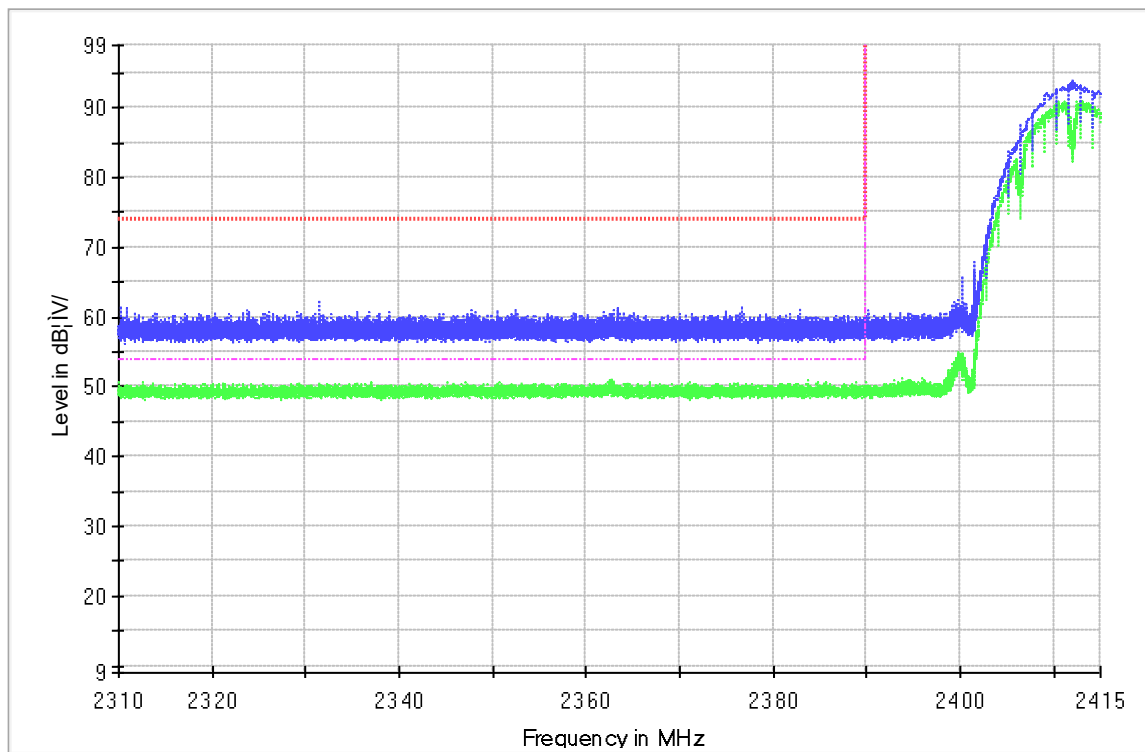


Figure 11: Radiated Band-Edge, TM1, V

RE_1-1.8GHz_HL050_FSV40_Pre

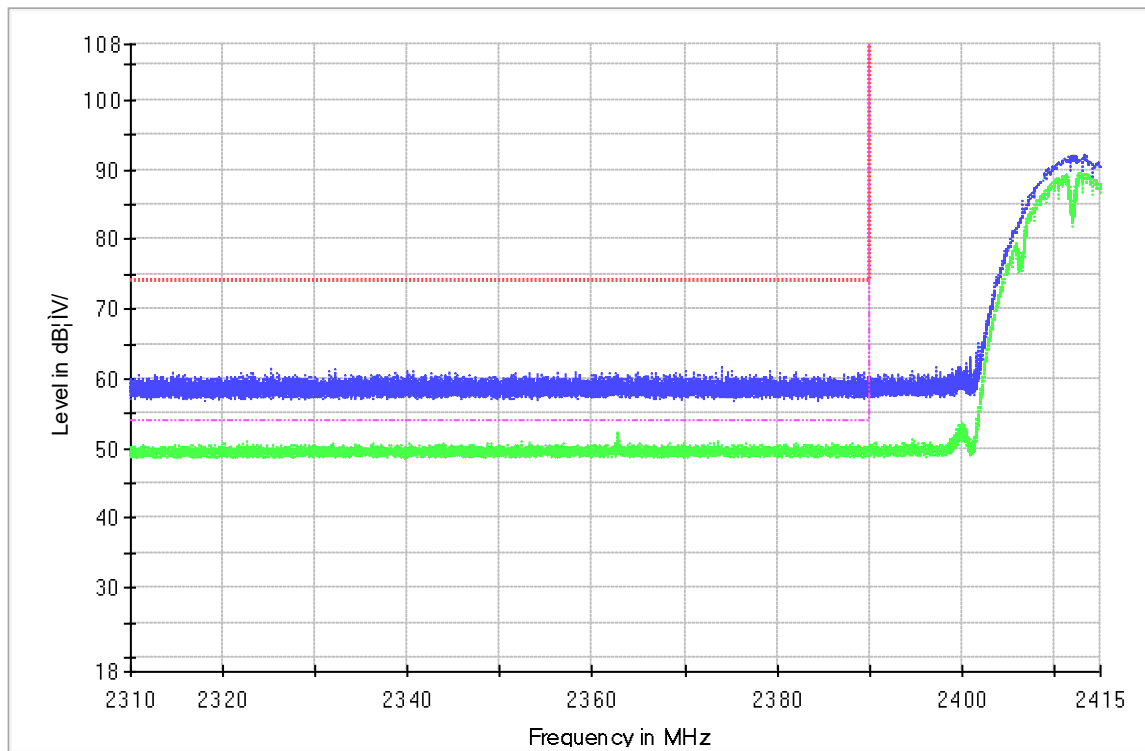


Figure 12: Radiated Band-Edge, TM3, H

RE_1-1.8GHz_HL050_FSV40_Pre

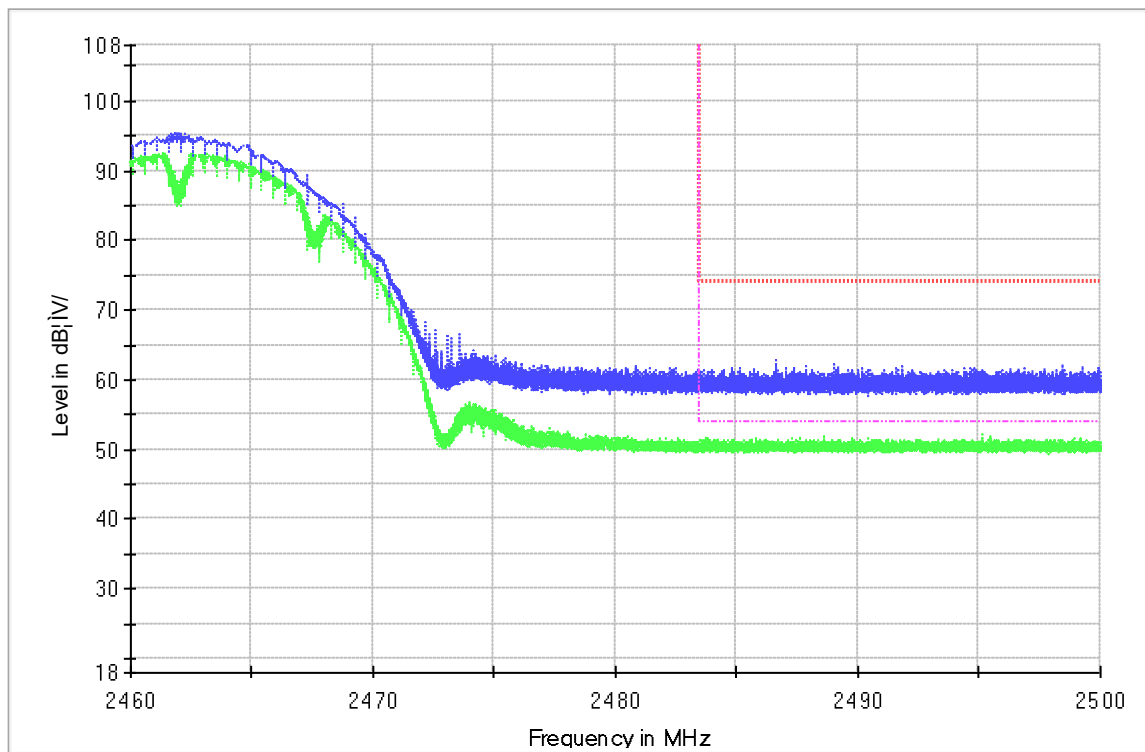


Figure 13: Radiated Band-Edge, TM3, V

RE_1-1.8GHz_HL050_FSV40_Pre

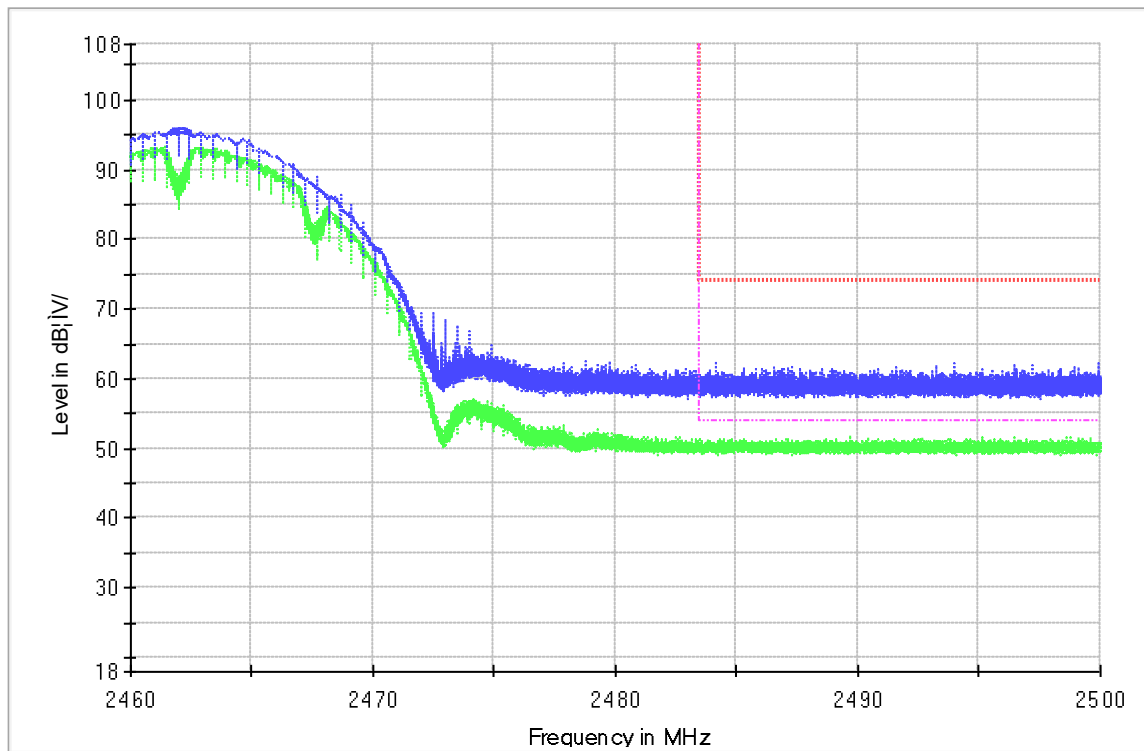


Figure 14: Radiated Band-Edge, TM4, H

RE_1-1.8GHz_HL050_FSV40_Pre

