

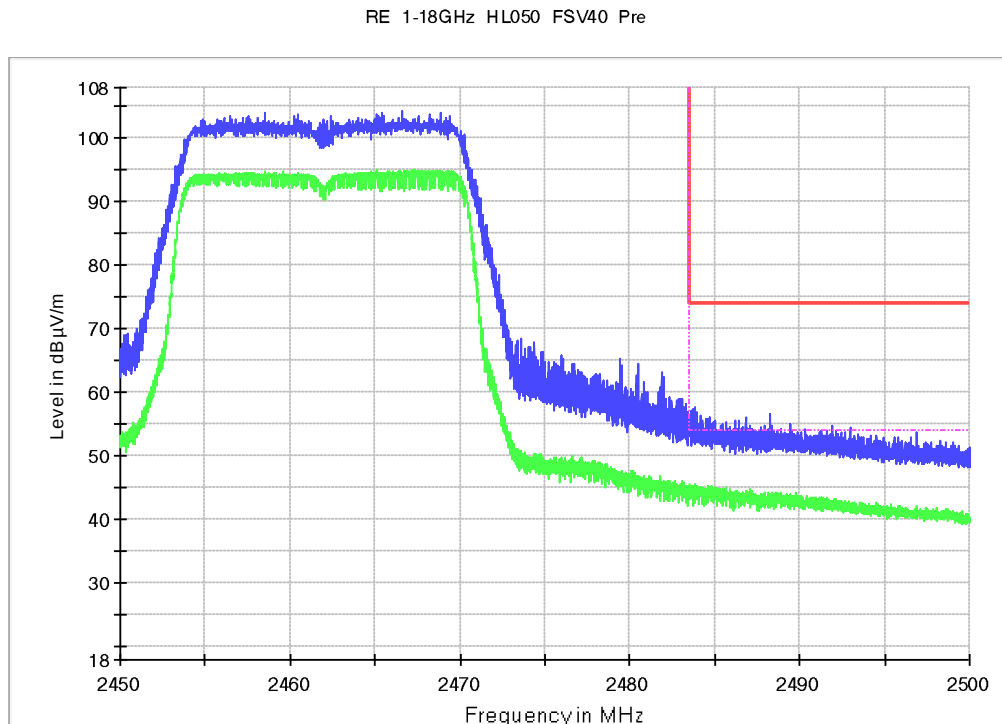
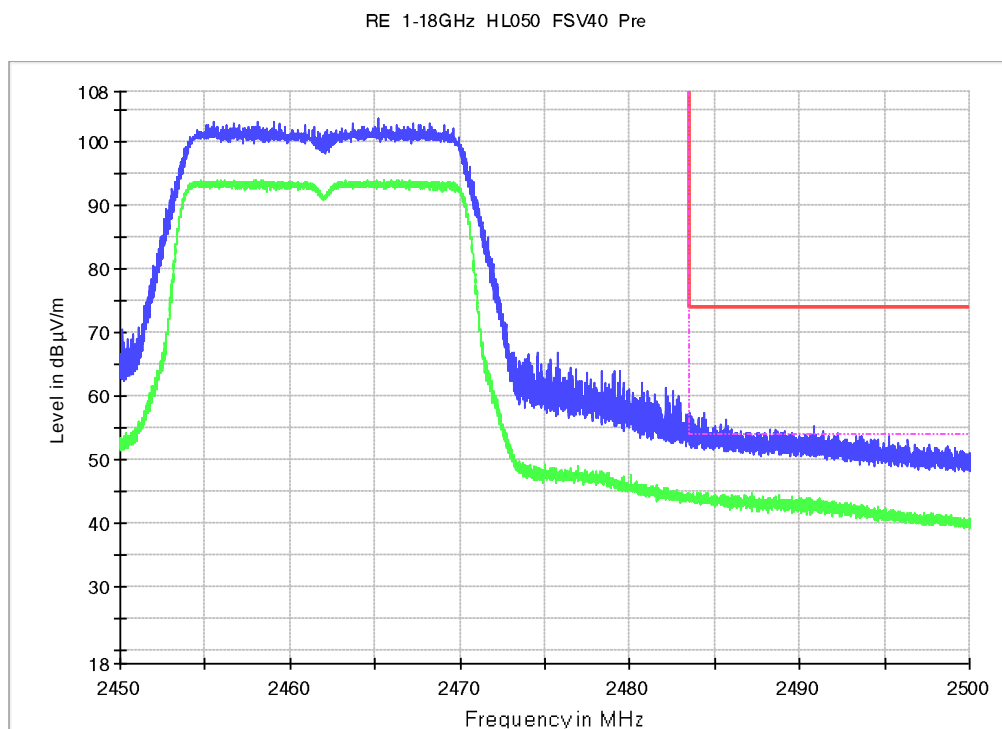
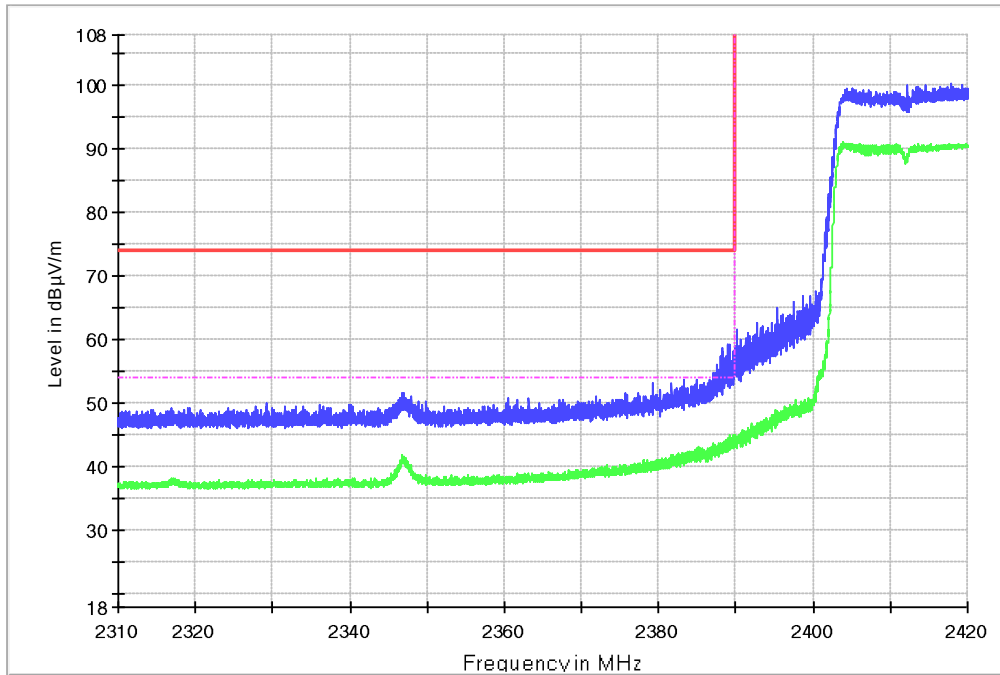
Figure 16: Radiated Band-Edge, TM6, H

Figure 17: Radiated Band-Edge, TM6, V


Figure 18: Radiated Band-Edge, TM7, H

RE 1-18GHz HL050 FSV40 Pre


Figure 19: Radiated Band-Edge, TM7, V

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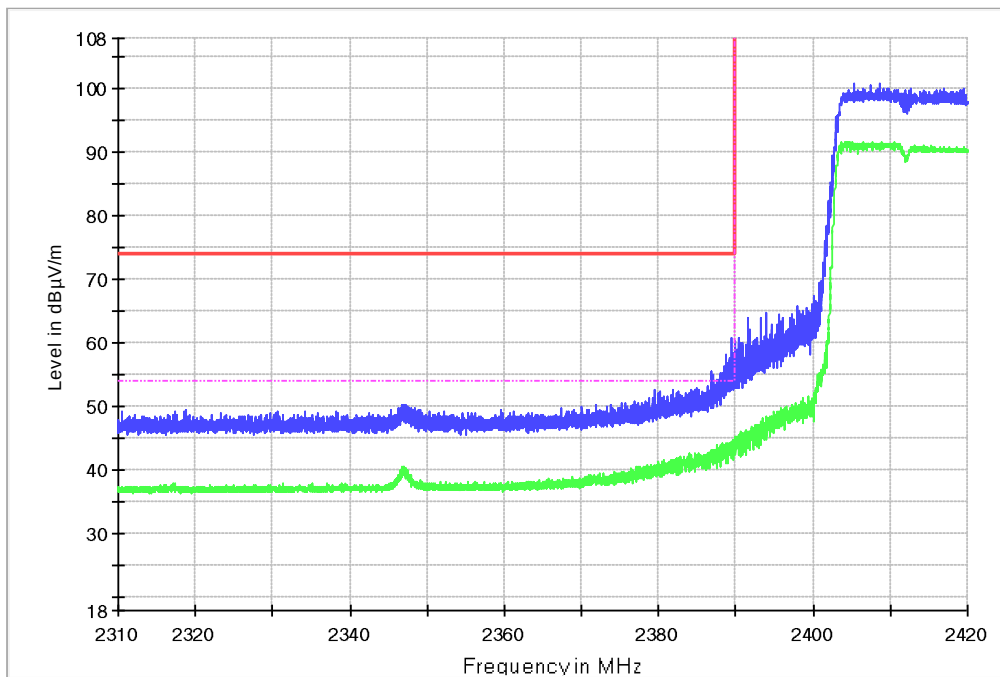
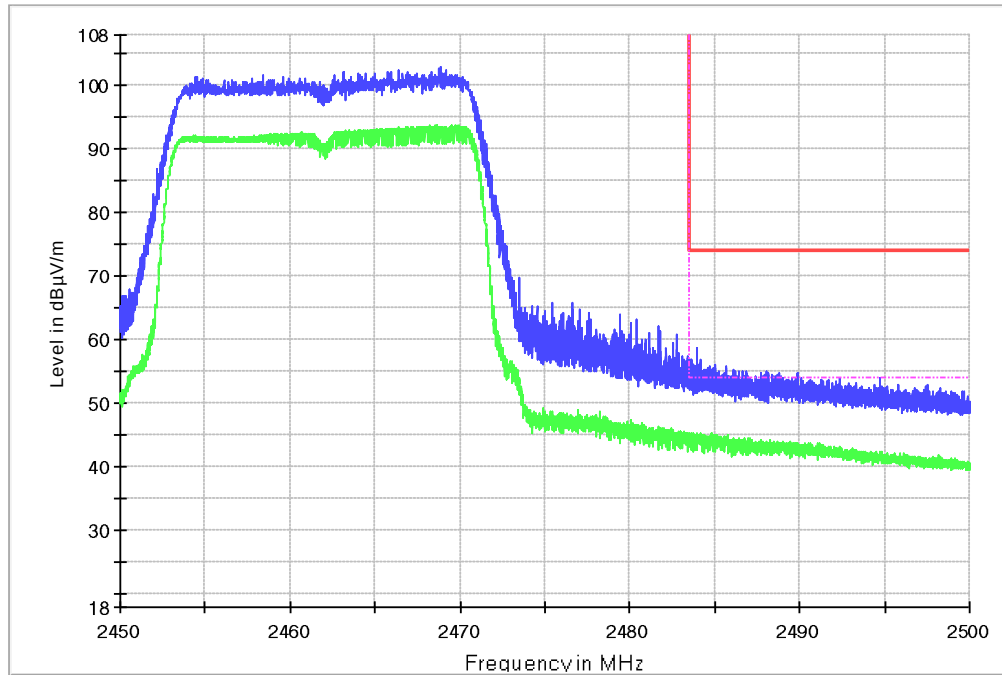
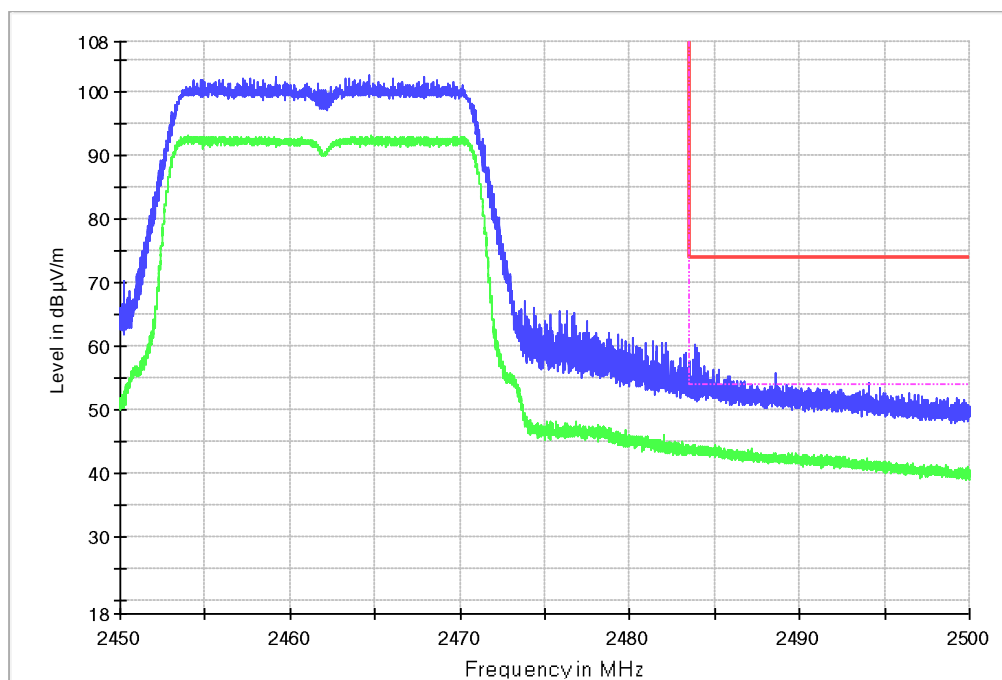


Figure 20: Radiated Band-Edge, TM9, H

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Figure 21: Radiated Band-Edge, TM9, V

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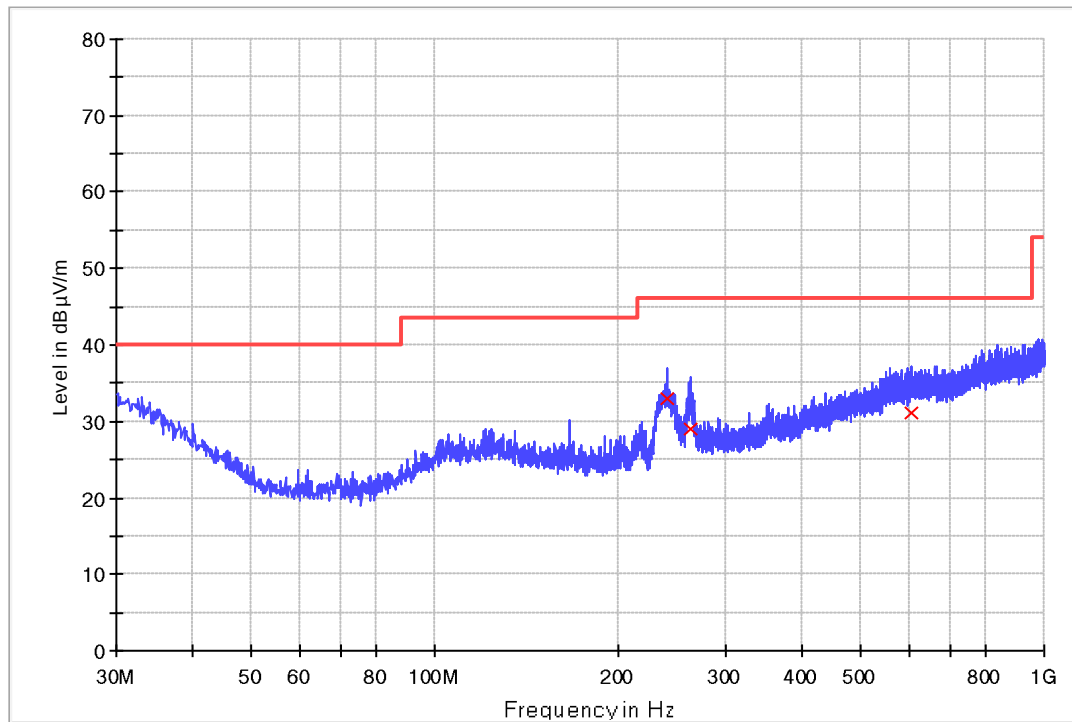
5.3.2 Radiated Spurious Emission

RESULT:**Pass**

Date of testing	:	2021-11-23~2021-11-29
Ambient temperature	:	26.1°C
Relative humidity	:	32.7%
Atmospheric pressure	:	101kPa
Test requirement	:	FCC Part 15.247(d) FCC Part 15.209(a) RSS-Gen Issue 5, Amendment 2, February 2021, Clause 8.9 RSS-247 Issue 2, February 2017, Clause 5.5
Test procedure	:	ANSI C63.10: 2013
Test voltage	:	DC 20V
Test modes applied	:	TM1 to TM9

Figure 22: Radiated Spurious Emission, TM1, 30MHz to 1GHz, H

Radiated emission (30M-1GHz) 1 Range FCC

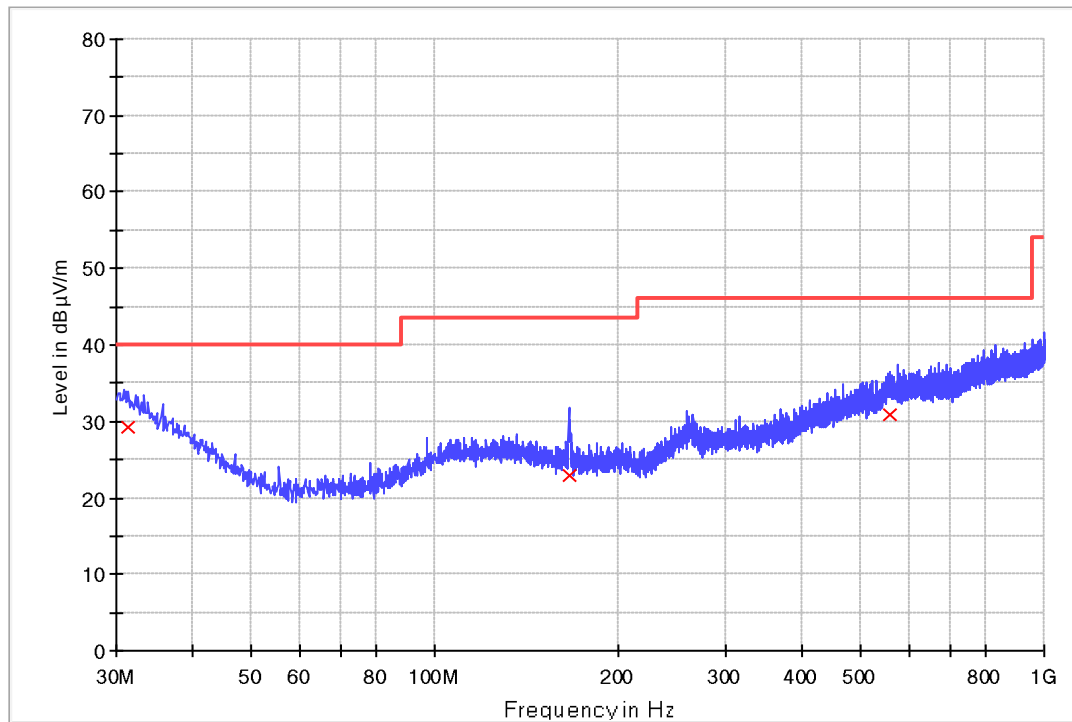


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
240.005000	32.9	H	18.1	13.1	46.0
262.678750	28.9	H	20.7	17.1	46.0
605.573750	31.2	H	26.2	14.8	46.0

Figure 23: Radiated Spurious Emission, TM1, 30MHz to 1GHz, V

Radiated emission (30M-1GHz) 1 Range FCC

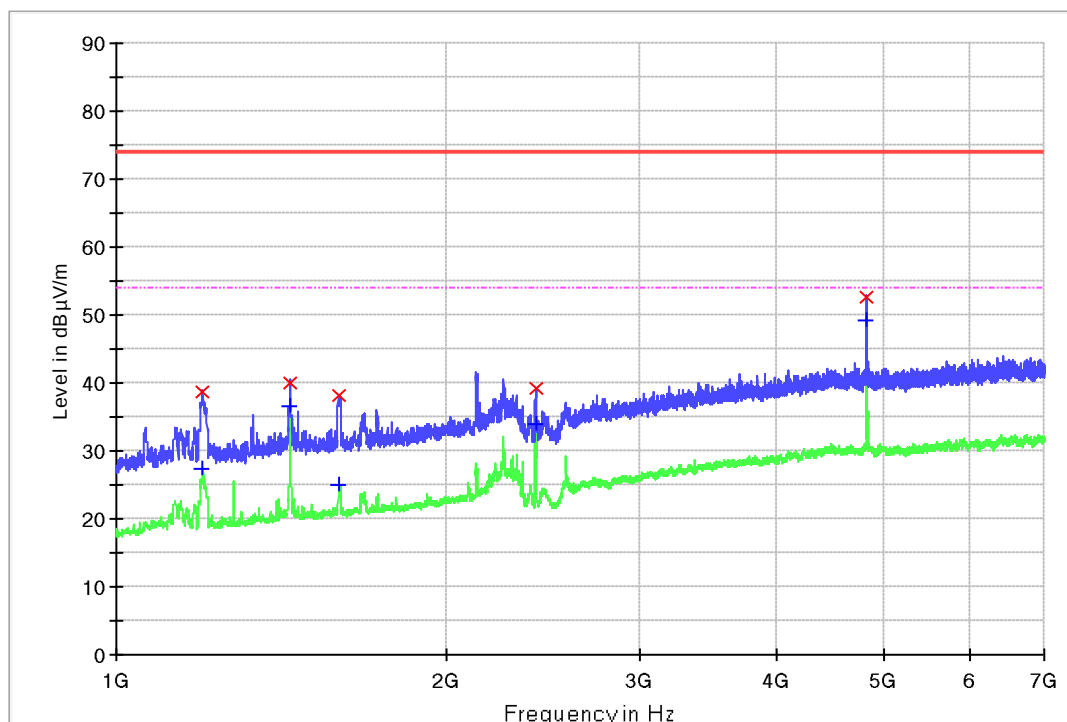


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.455000	29.2	V	24.7	10.8	40.0
165.800000	22.9	V	16.5	20.6	43.5
558.771250	30.8	V	26.3	15.2	46.0

Figure 24: Radiated Spurious Emission, TM1, 1GHz to 7GHz, H

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

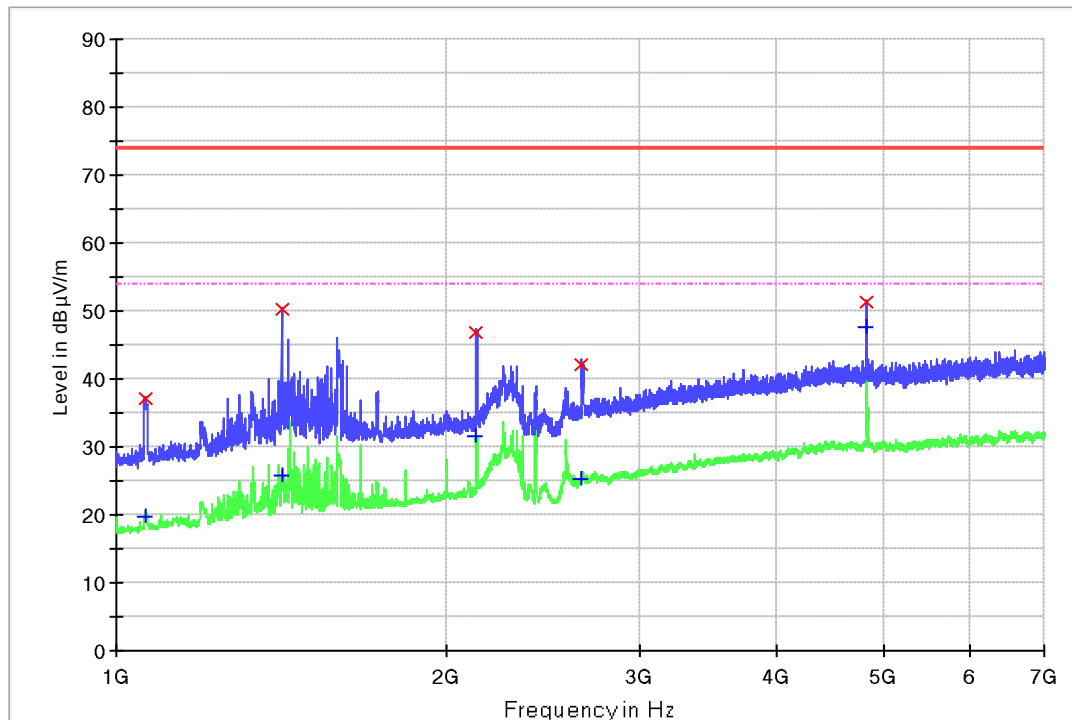
Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1197.400000	38.6	H	-21.3	35.4	74.0
1439.200000	40.1	H	-19.4	33.9	74.0
1597.600000	38.1	H	-18.3	35.9	74.0
2410.000000	39.1	H	-14.4	34.9	74.0
4823.800000	52.7	H	-6.5	21.3	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1197.400000	27.5	H	-21.3	26.5	54.0
1439.200000	36.6	H	-19.4	17.4	54.0
1597.600000	24.9	H	-18.3	29.1	54.0
2410.000000	34.0	H	-14.4	20.0	54.0
4823.800000	49.2	H	-6.5	4.8	54.0

Figure 25: Radiated Spurious Emission, TM1, 1GHz to 7GHz, V

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1062.400000	37.1	V	-22.1	36.9	74.0
1414.000000	50.2	V	-19.6	23.8	74.0
2124.400000	46.9	V	-15.8	27.1	74.0
2653.000000	42.0	V	-13.3	32.0	74.0
4824.400000	51.2	V	-6.5	22.8	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1062.400000	19.6	V	-22.1	34.4	54.0
1414.000000	25.9	V	-19.6	28.1	54.0
2124.400000	31.6	V	-15.8	22.4	54.0
2653.000000	25.3	V	-13.3	28.7	54.0
4824.400000	47.6	V	-6.5	6.4	54.0

Figure 26: Radiated Spurious Emission, TM1, 7GHz to 18GHz, H

RE 1-18GHz HL050 FSV40 Pre

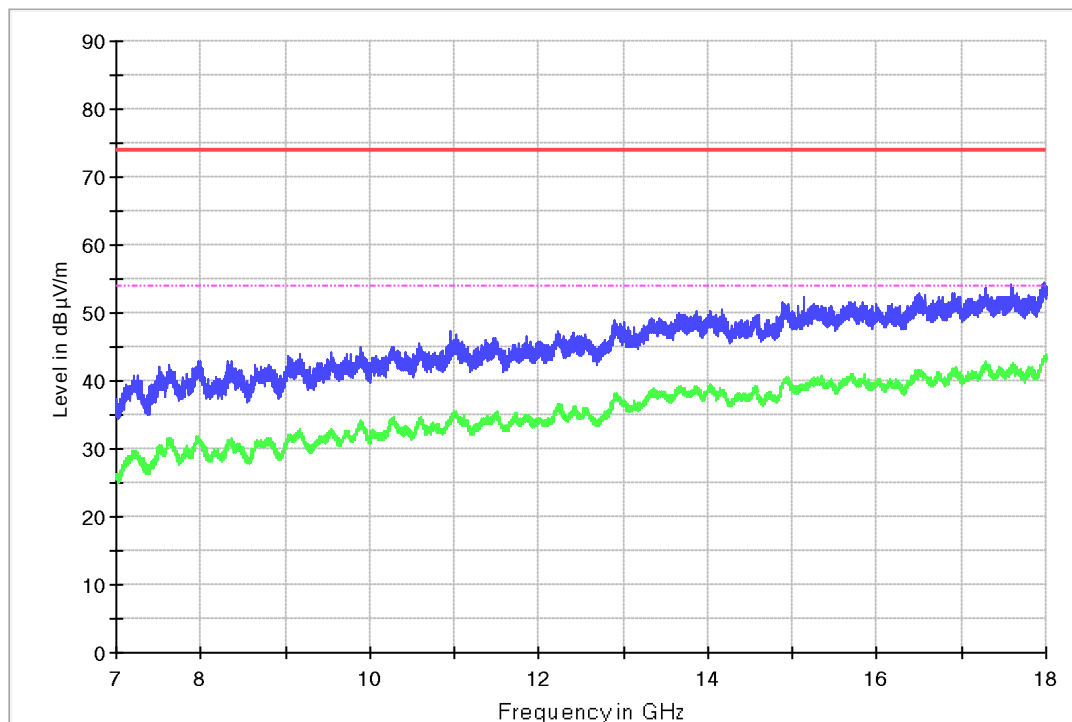


Figure 27: Radiated Spurious Emission, TM1, 7GHz to 18GHz, V

RE 1-18GHz HL050 FSV40 Pre

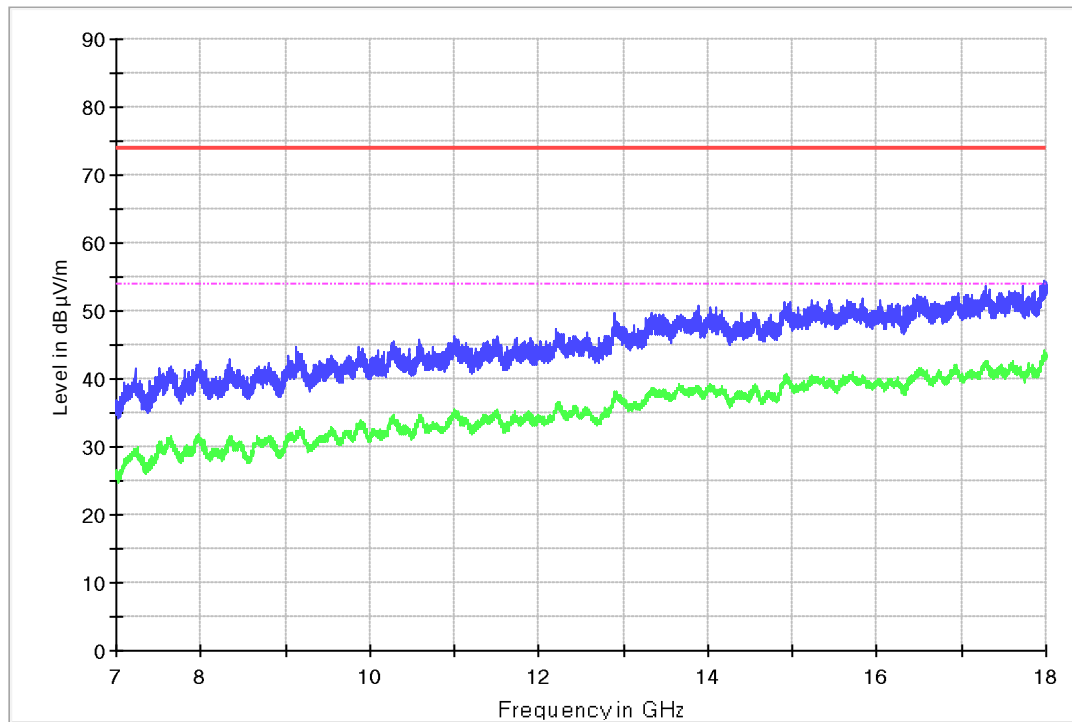


Figure 28: Radiated Spurious Emission, TM1, 18GHz to 25GHz, H

RE 18-40GHz 9170 FSV40 Pre

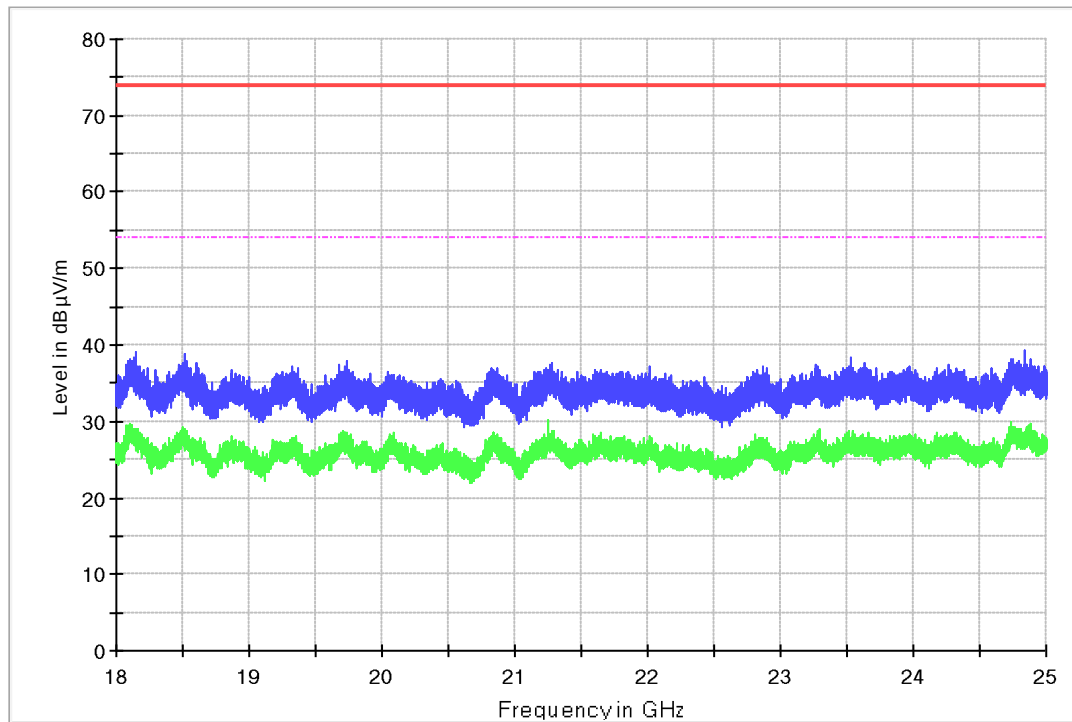


Figure 29: Radiated Spurious Emission, TM1, 18GHz to 25GHz, V

RE 18-40GHz 9170 FSV40 Pre

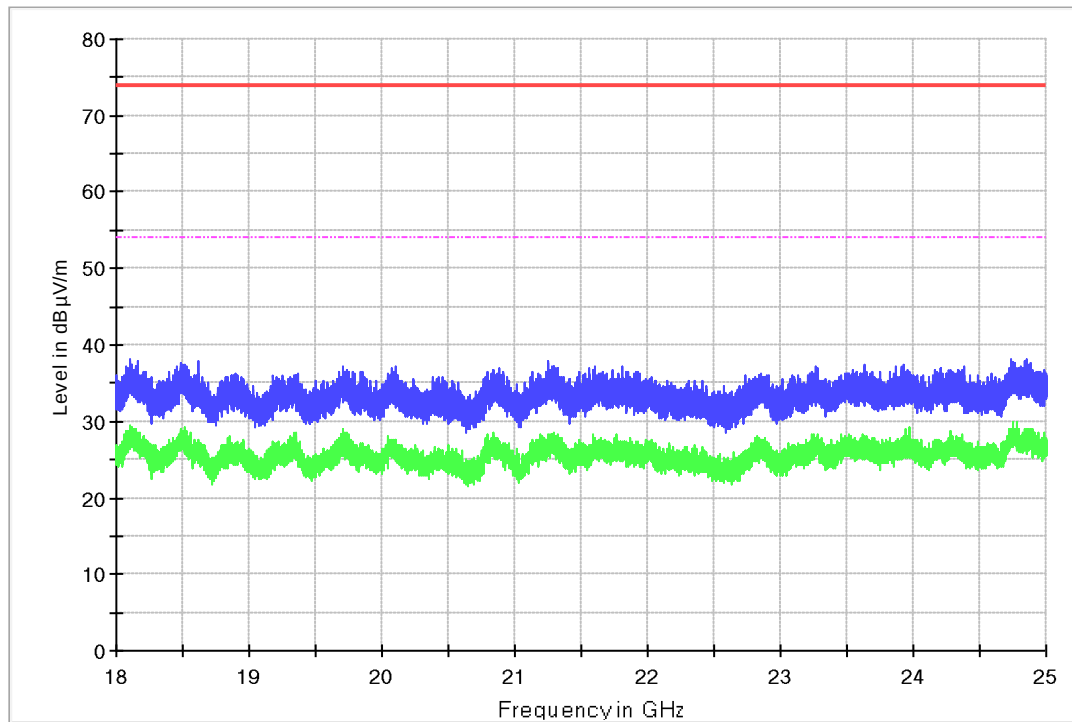
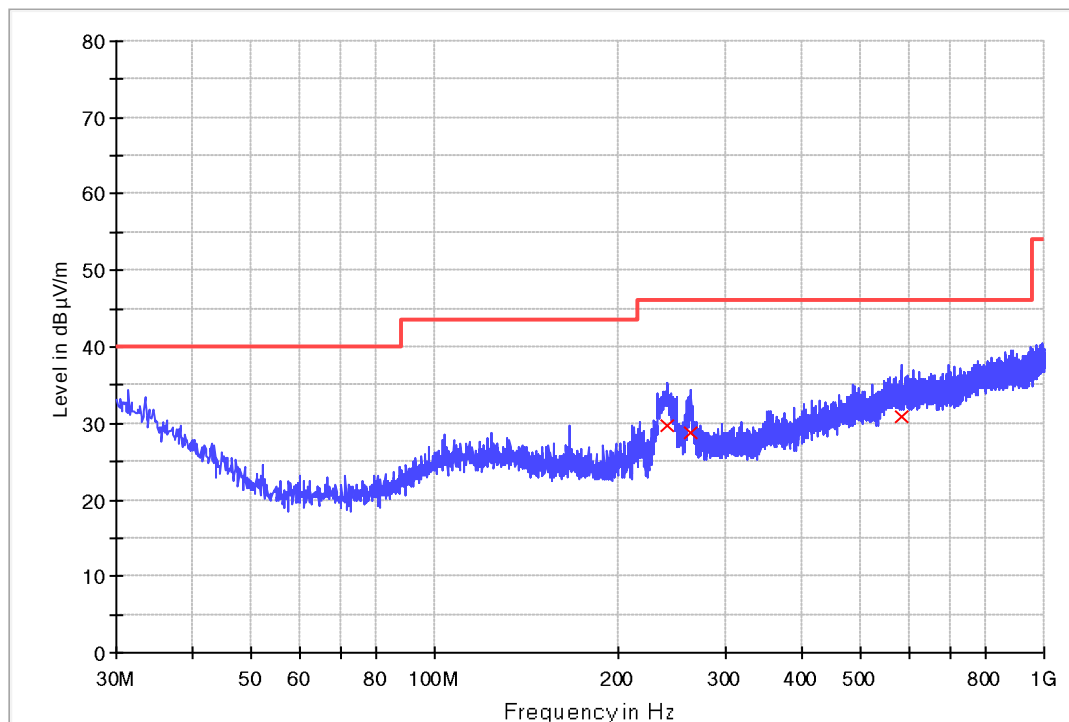


Figure 30: Radiated Spurious Emission, TM2, 30MHz to 1GHz, H

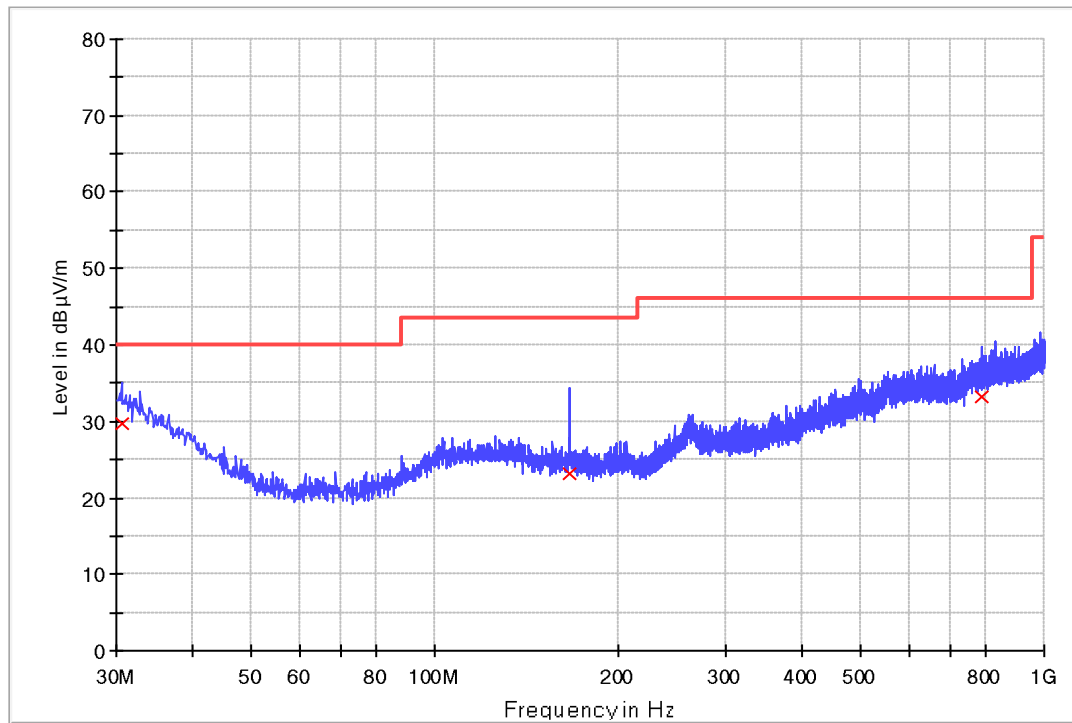
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
240.490000	29.6	H	18.2	16.4	46.0
262.800000	28.9	H	20.7	17.1	46.0
584.840000	30.9	H	26.1	15.1	46.0

Figure 31: Radiated Spurious Emission, TM2, 30MHz to 1GHz, V

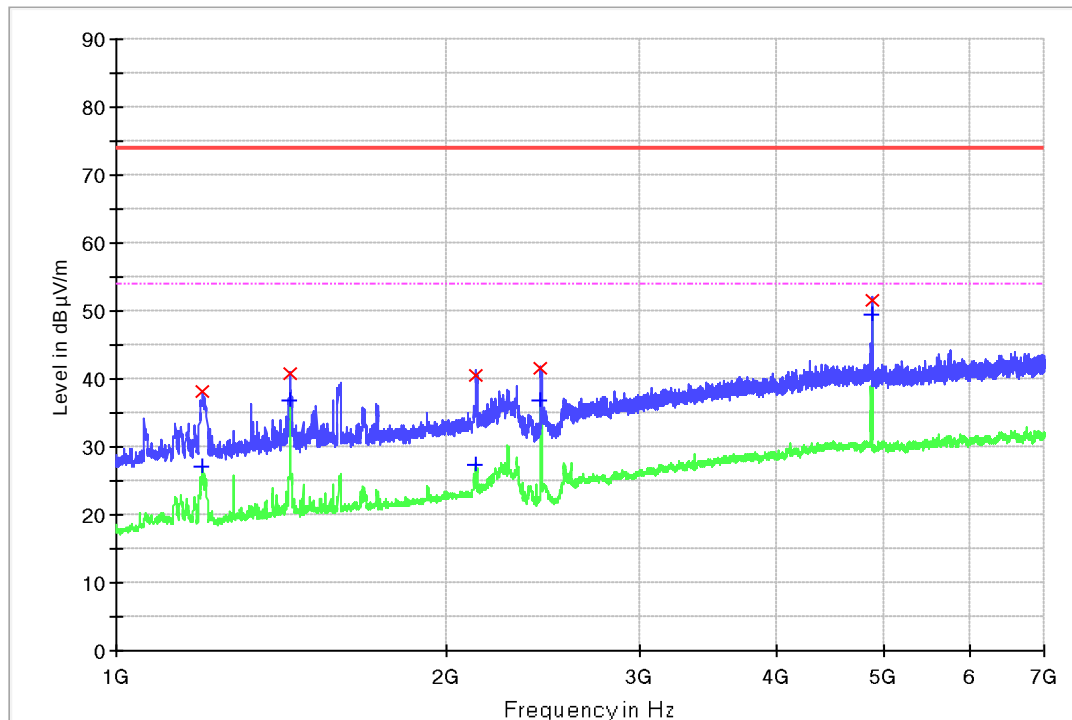
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.606250	29.6	V	25.1	10.4	40.0
166.163750	23.1	V	16.5	20.4	43.5
789.510000	33.2	V	27.6	12.8	46.0

Figure 32: Radiated Spurious Emission, TM2, 1GHz to 7GHz, H

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

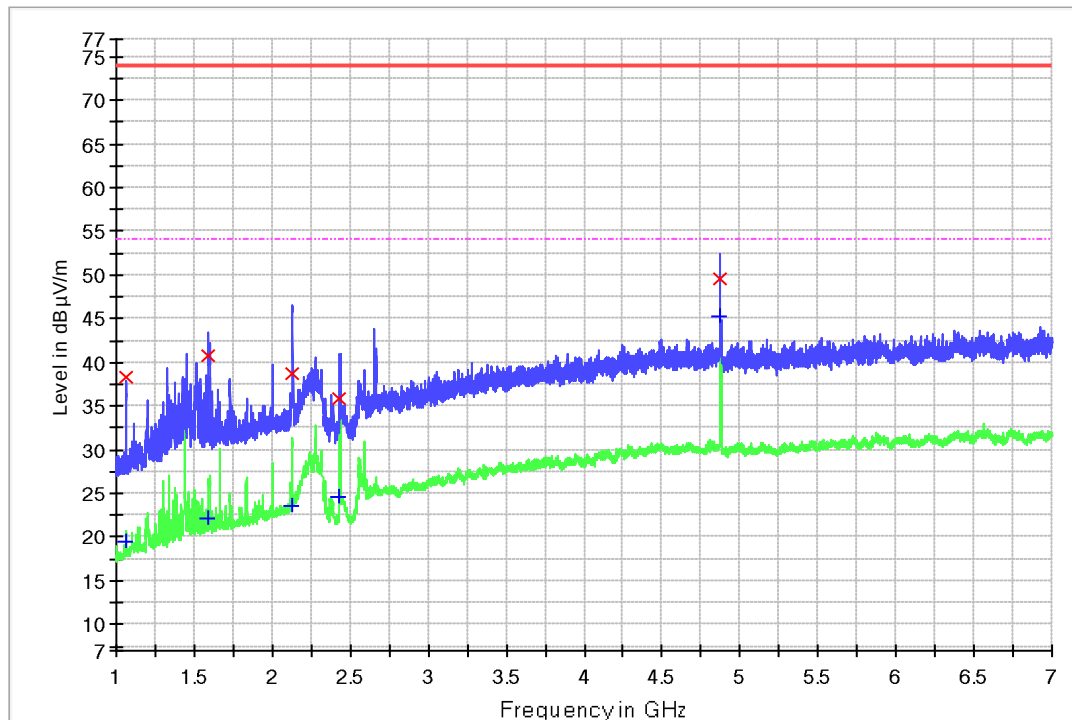
Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1199.800000	38.1	H	-21.2	35.9	74.0
1439.800000	40.7	H	-19.4	33.3	74.0
2123.800000	40.6	H	-15.8	33.4	74.0
2435.200000	41.6	H	-14.3	32.4	74.0
4874.200000	51.7	H	-6.5	22.3	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1199.800000	27.0	H	-21.2	27.0	54.0
1439.800000	36.8	H	-19.4	17.2	54.0
2123.800000	27.4	H	-15.8	26.6	54.0
2435.200000	36.8	H	-14.3	17.2	54.0
4874.200000	49.4	H	-6.5	4.6	54.0

Figure 33: Radiated Spurious Emission, TM2, 1GHz to 7GHz, V

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1062.400000	38.3	V	-22.1	35.7	74.0
1592.800000	40.8	V	-18.4	33.2	74.0
2123.200000	38.8	V	-15.8	35.2	74.0
2434.000000	35.9	V	-14.3	38.1	74.0
4874.200000	49.6	V	-6.5	24.4	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1062.400000	19.4	V	-22.1	34.6	54.0
1592.800000	22.1	V	-18.4	31.9	54.0
2123.200000	23.5	V	-15.8	30.5	54.0
2434.000000	24.6	V	-14.3	29.4	54.0
4874.200000	45.2	V	-6.5	8.8	54.0

Figure 34: Radiated Spurious Emission, TM2, 7GHz to 18GHz, H

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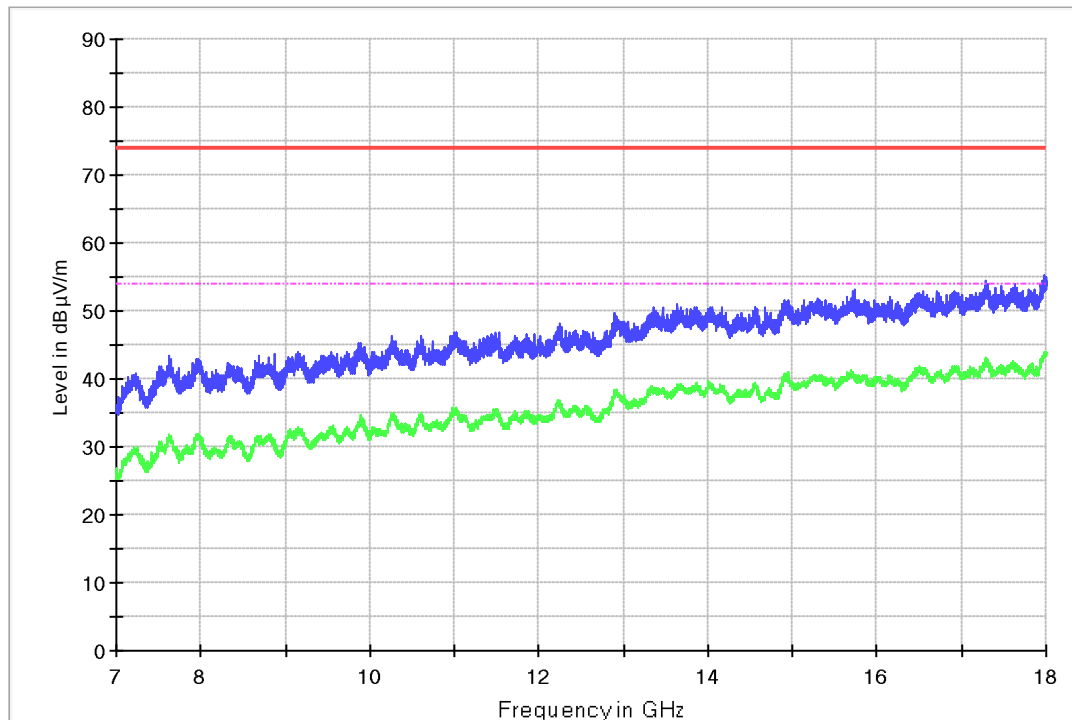


Figure 35: Radiated Spurious Emission, TM2, 7GHz to 18GHz, V

RE 1-18GHz HL050 FSV40 Pre

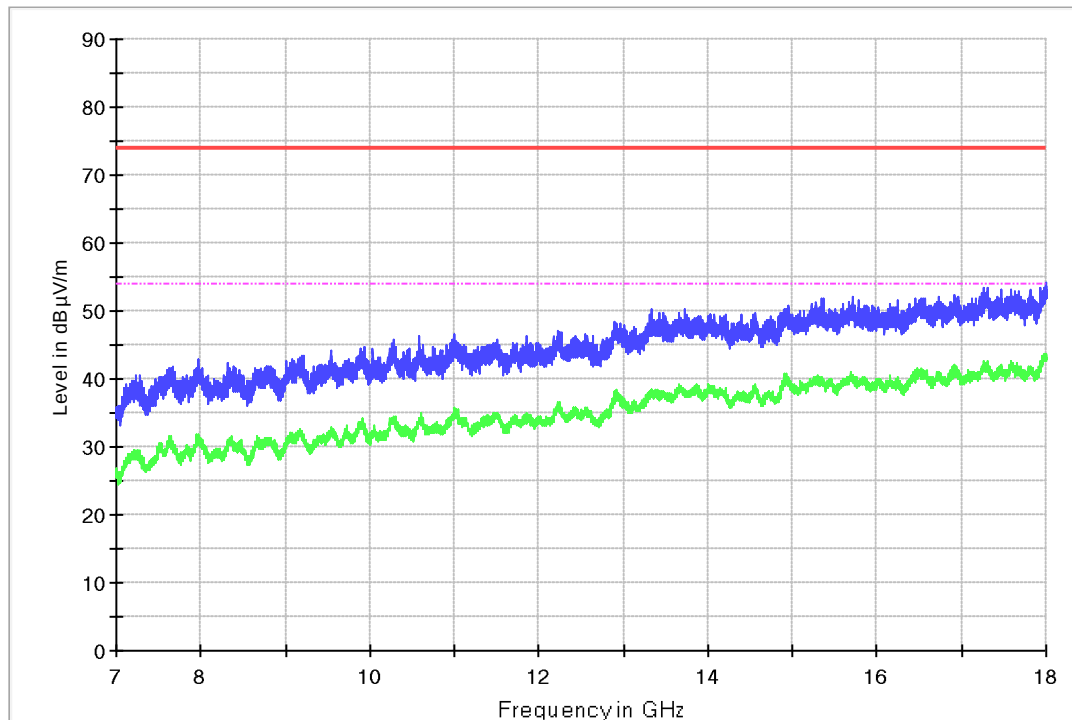


Figure 36: Radiated Spurious Emission, TM2, 18GHz to 25GHz, H

RE 18-40GHz 9170 FSV40 Pre

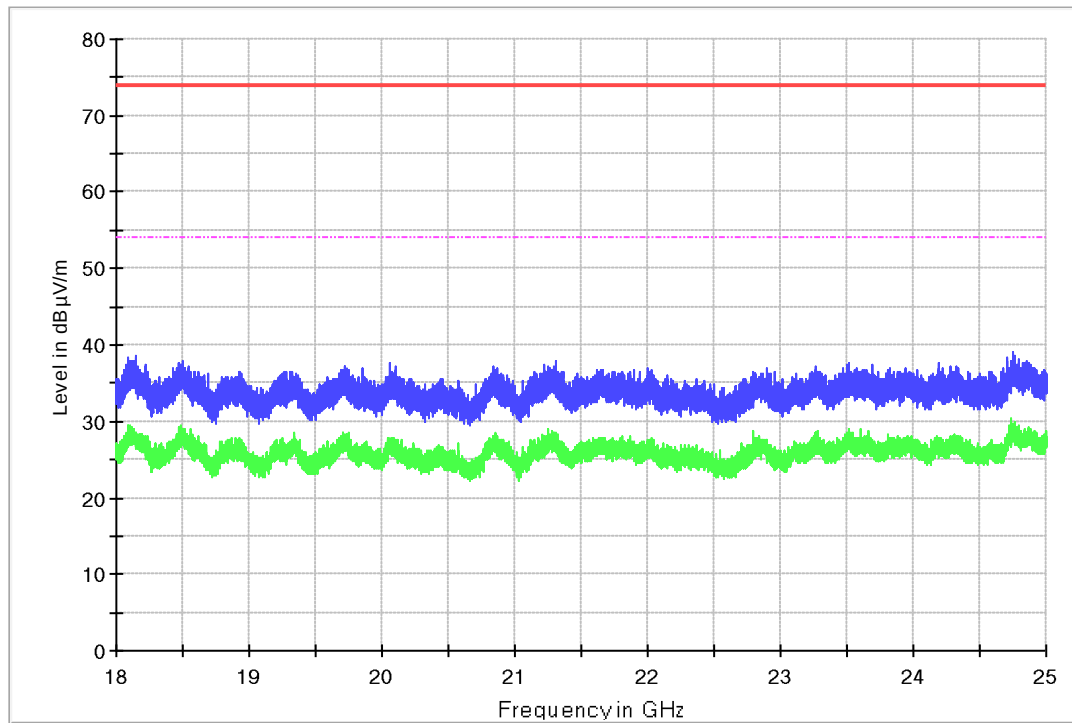


Figure 37: Radiated Spurious Emission, TM2, 18GHz to 25GHz, V

RE 18-40GHz 9170 FSV40 Pre

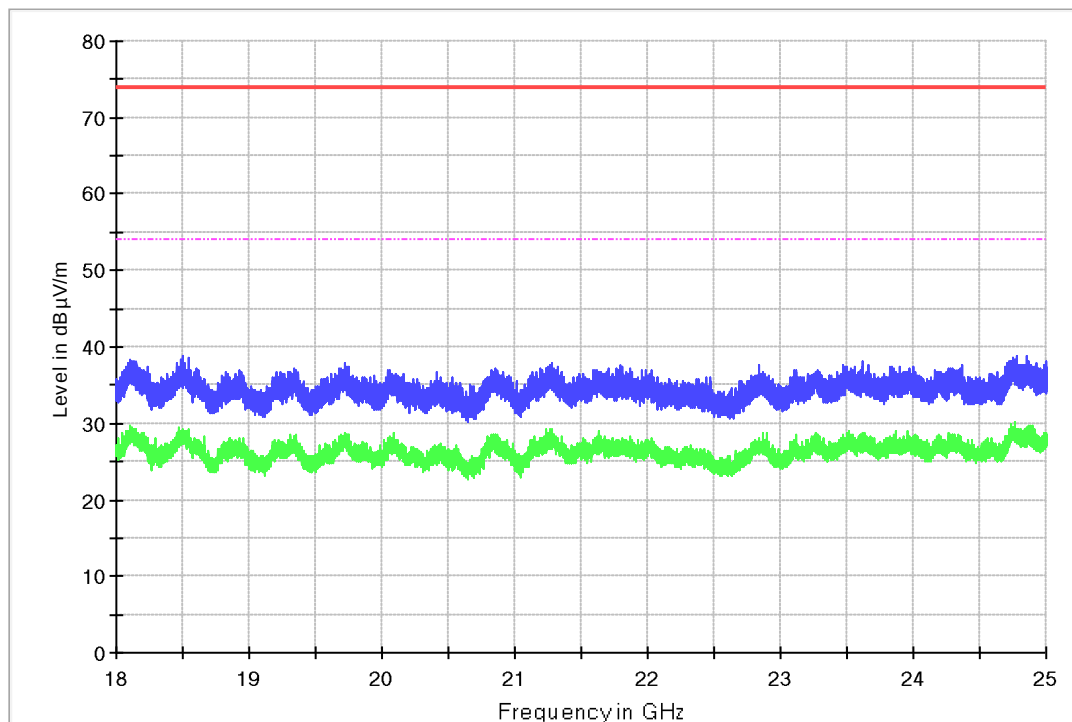
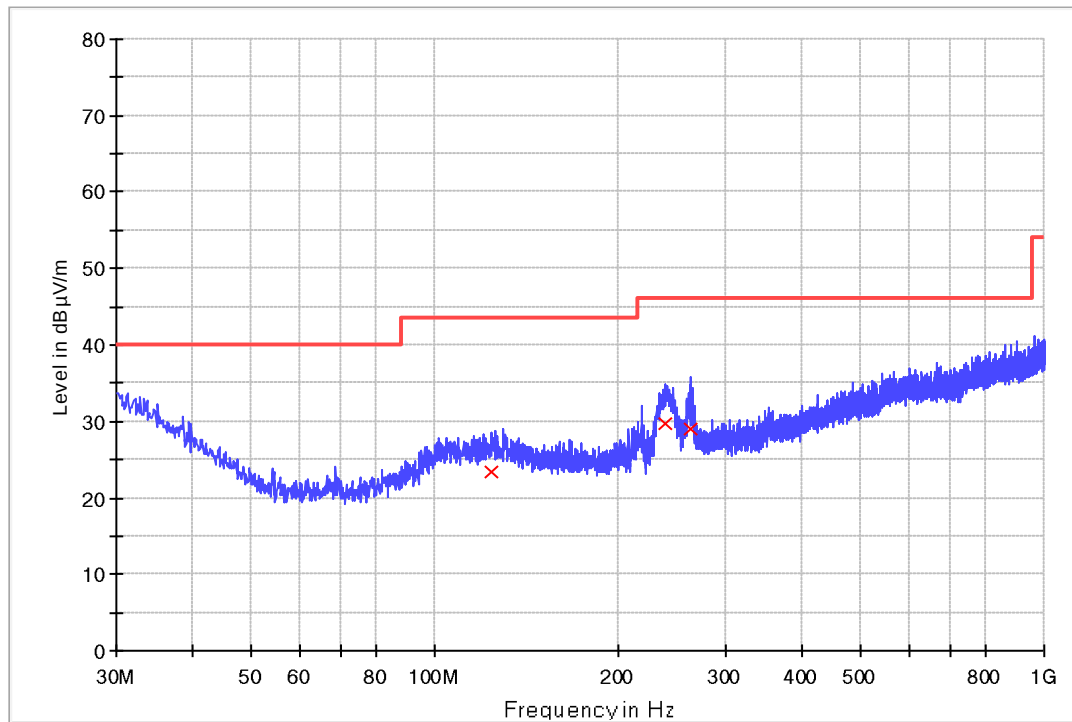


Figure 38: Radiated Spurious Emission, TM3, 30MHz to 1GHz, H

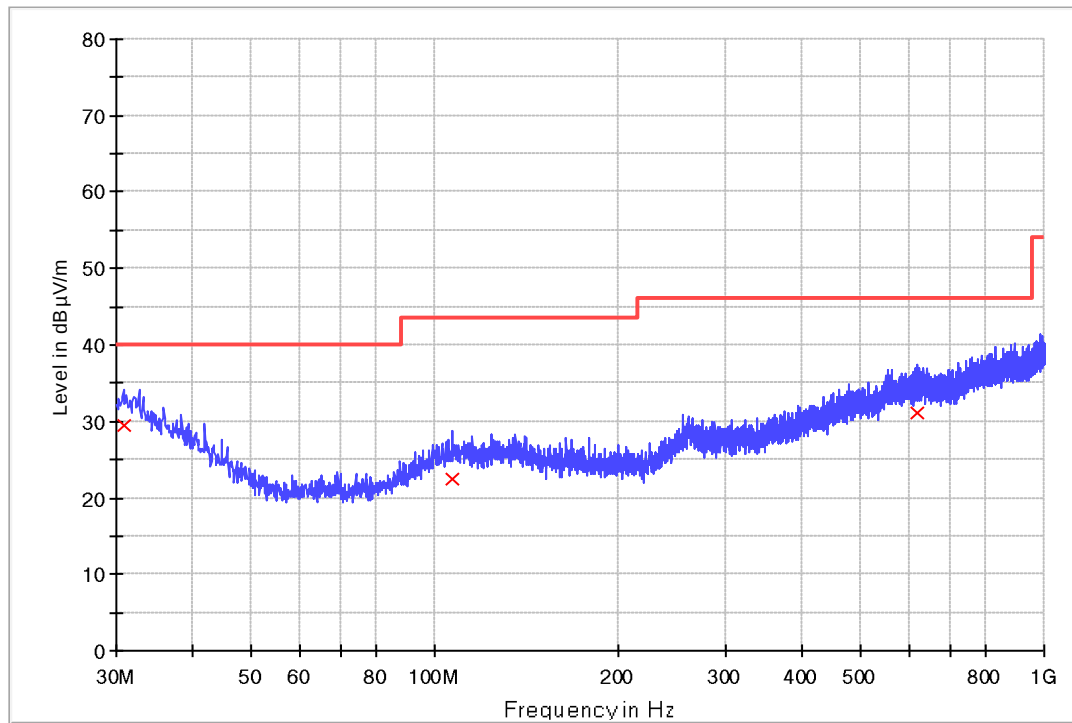
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.212500	29.3	H	24.8	10.7	40.0
258.920000	25.4	H	20.5	20.6	46.0
841.041250	33.5	H	27.7	12.5	46.0

Figure 39: Radiated Spurious Emission, TM3, 30MHz to 1GHz, V

Radiated emission (30M-1GHz) 1 Range FCC

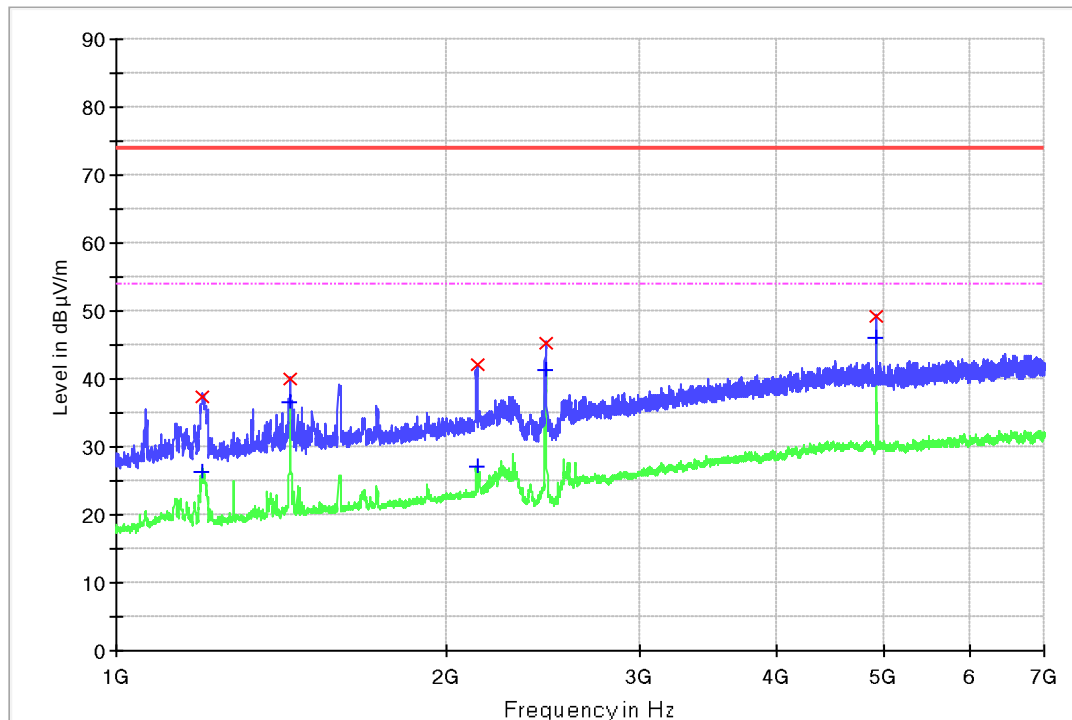


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.848750	29.4	V	25.0	10.6	40.0
106.872500	22.6	V	18.4	20.9	43.5
617.092500	31.2	V	26.3	14.8	46.0

Figure 40: Radiated Spurious Emission, TM3, 1GHz to 7GHz, H

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

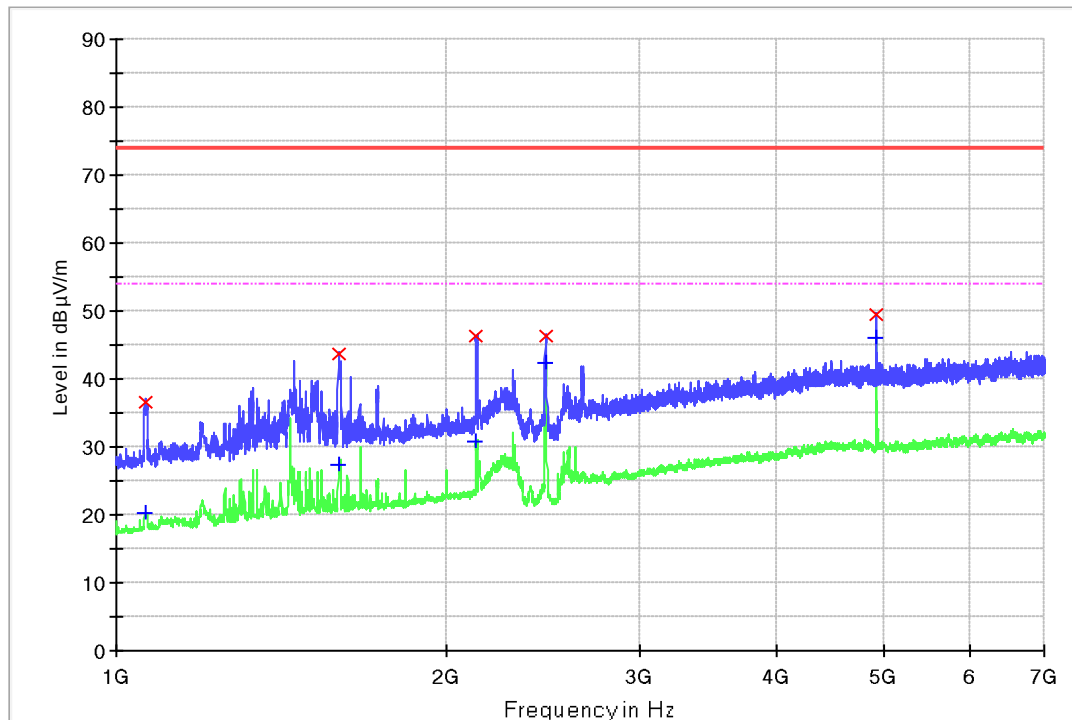
Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1198.600000	38.2	H	-21.2	36.5	74.0
1439.800000	38.2	H	-19.4	33.9	74.0
2129.800000	38.8	H	-15.7	32.0	74.0
2460.400000	38.9	H	-14.3	28.7	74.0
4924.000000	41.8	H	-6.6	24.7	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1198.600000	26.4	H	-21.2	27.6	54.0
1439.800000	36.5	H	-19.4	17.5	54.0
2129.800000	27.2	H	-15.7	26.8	54.0
2460.400000	41.4	H	-14.3	12.6	54.0
4924.000000	46.1	H	-6.6	7.9	54.0

Figure 41: Radiated Spurious Emission, TM3, 1GHz to 7GHz, V

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1064.200000	36.6	V	-22.1	37.4	74.0
1593.400000	43.7	V	-18.4	30.3	74.0
2122.600000	46.2	V	-15.8	27.8	74.0
2459.800000	46.3	V	-14.3	27.7	74.0
4924.000000	49.5	V	-6.6	24.5	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1064.200000	20.2	V	-22.1	33.8	54.0
1593.400000	27.3	V	-18.4	26.7	54.0
2122.600000	30.7	V	-15.8	23.3	54.0
2459.800000	42.3	V	-14.3	11.7	54.0
4924.000000	46.0	V	-6.6	8.0	54.0

Figure 42: Radiated Spurious Emission, TM3, 7GHz to 18GHz, H

RE 1-18GHz HL050 FSV40 Pre

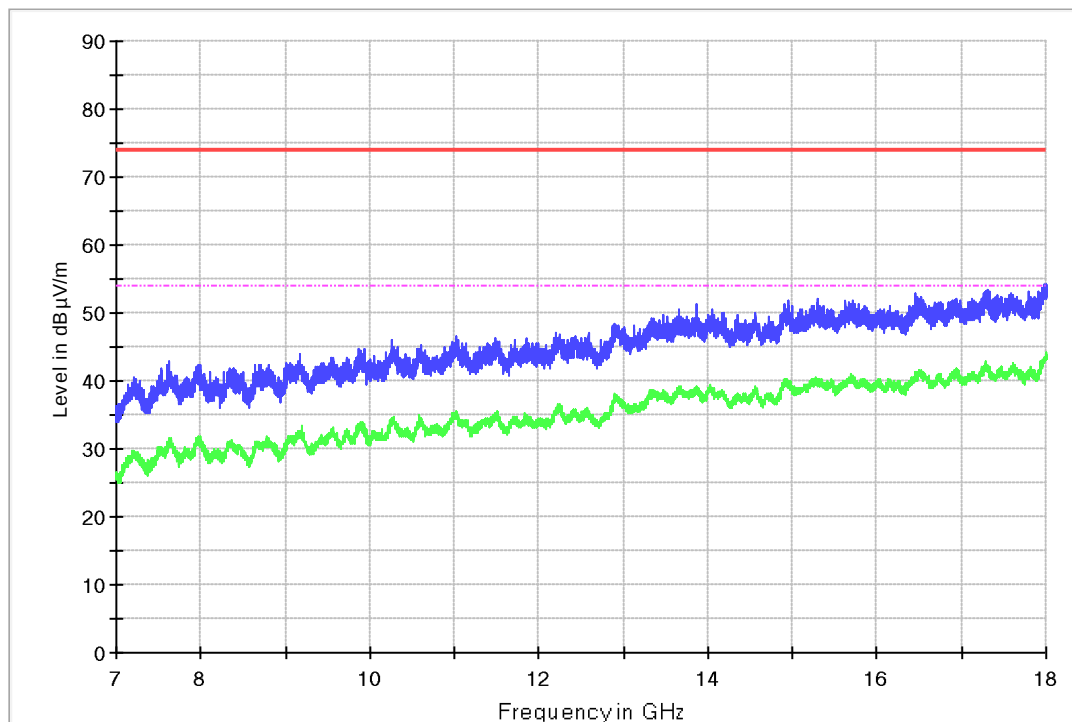


Figure 43: Radiated Spurious Emission, TM3, 7GHz to 18GHz, V

RE 1-18GHz HL050 FSV40 Pre

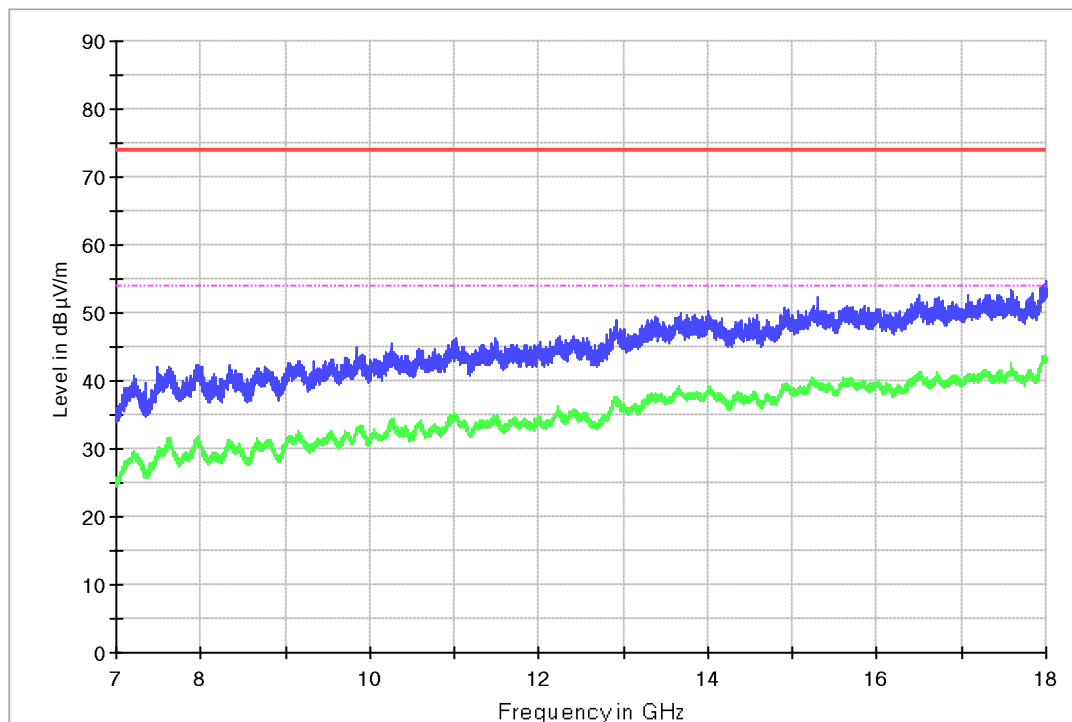


Figure 44: Radiated Spurious Emission, TM3, 18GHz to 25GHz, H

RE 18-40GHz 9170 FSV40 Pre

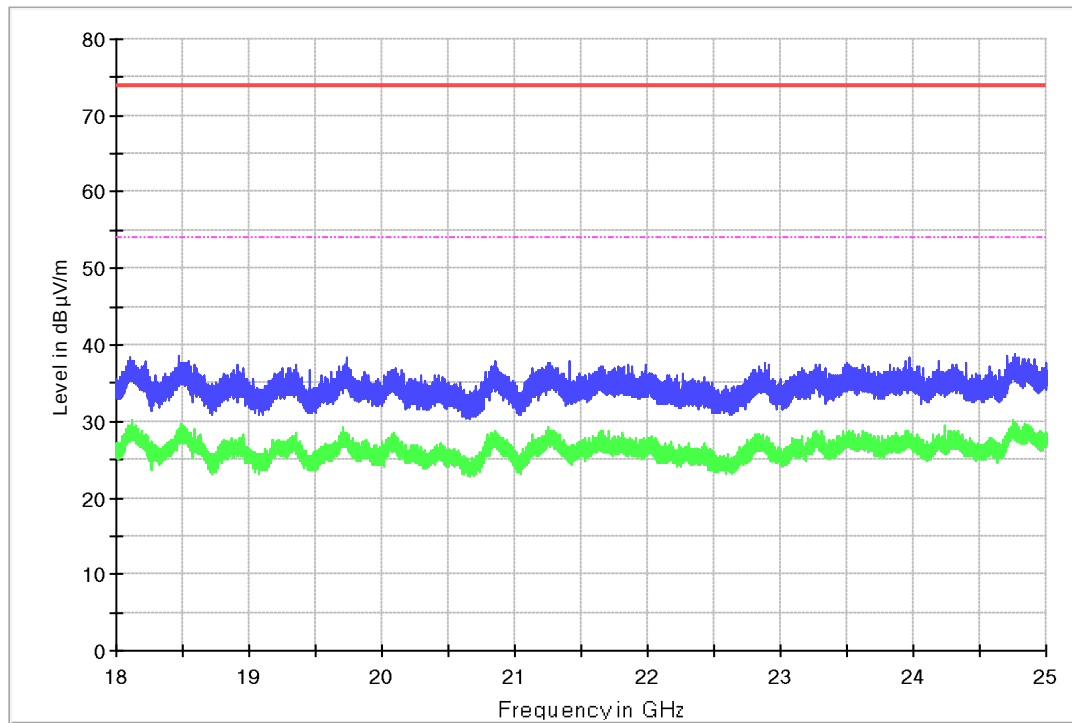


Figure 45: Radiated Spurious Emission, TM3, 18GHz to 25GHz, V

RE 18-40GHz 9170 FSV40 Pre

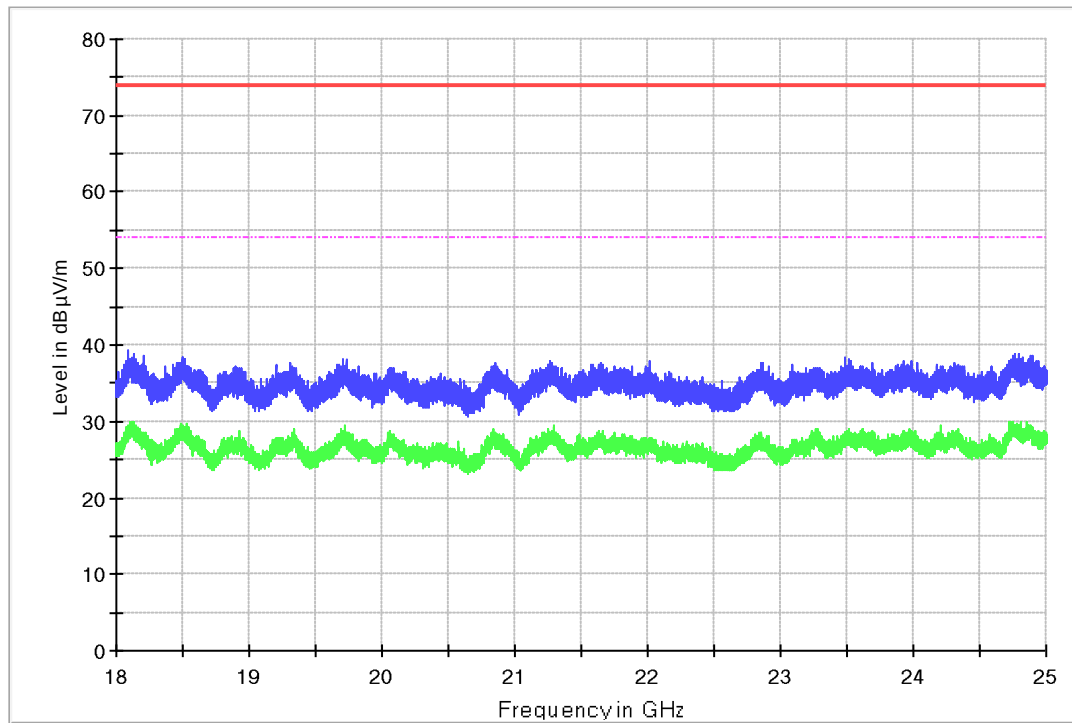
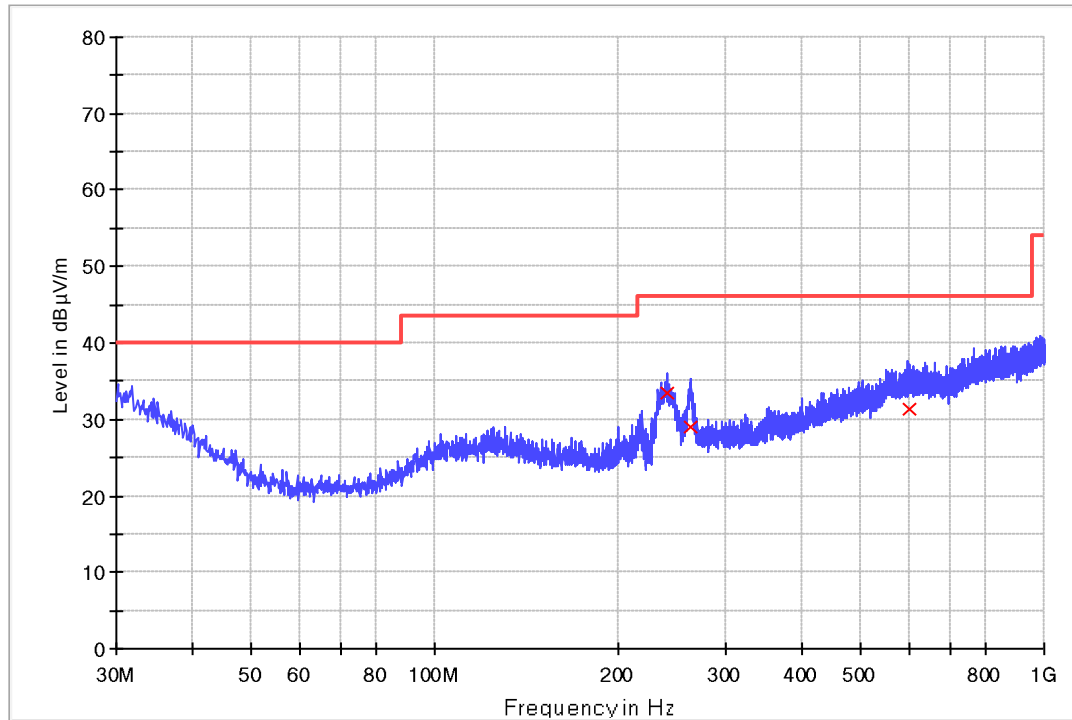


Figure 46: Radiated Spurious Emission, TM4, 30MHz to 1GHz, H

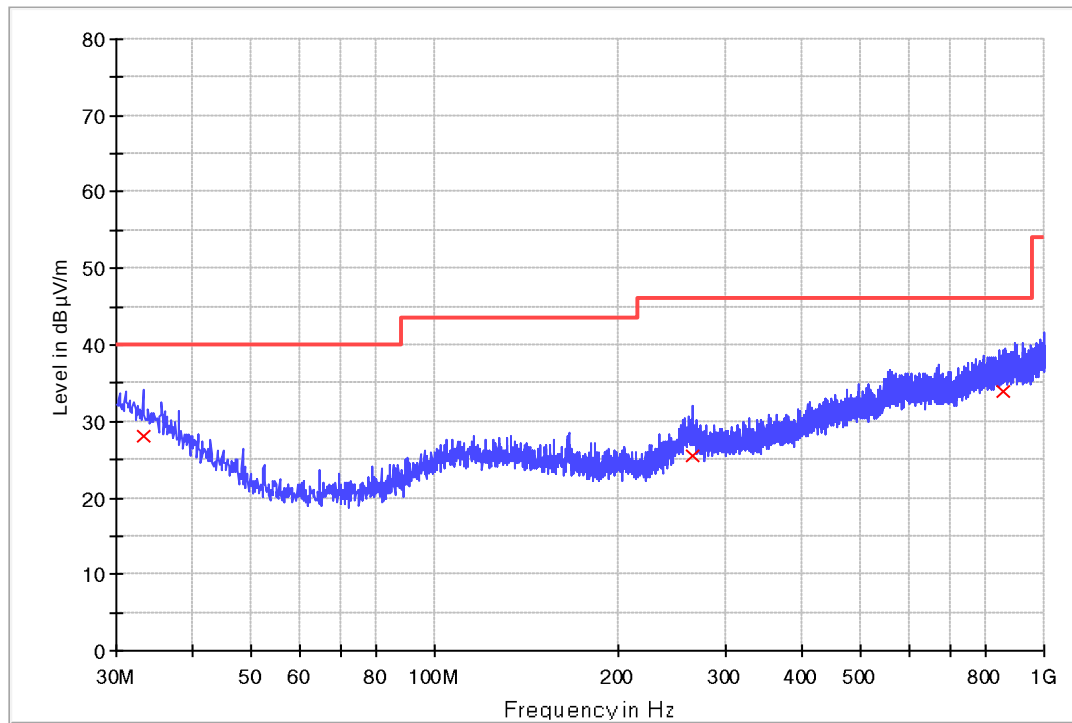
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
240.005000	33.4	H	18.1	12.6	46.0
262.921250	29.0	H	20.7	17.0	46.0
602.663750	31.3	H	26.2	14.7	46.0

Figure 47: Radiated Spurious Emission, TM4, 30MHz to 1GHz, V

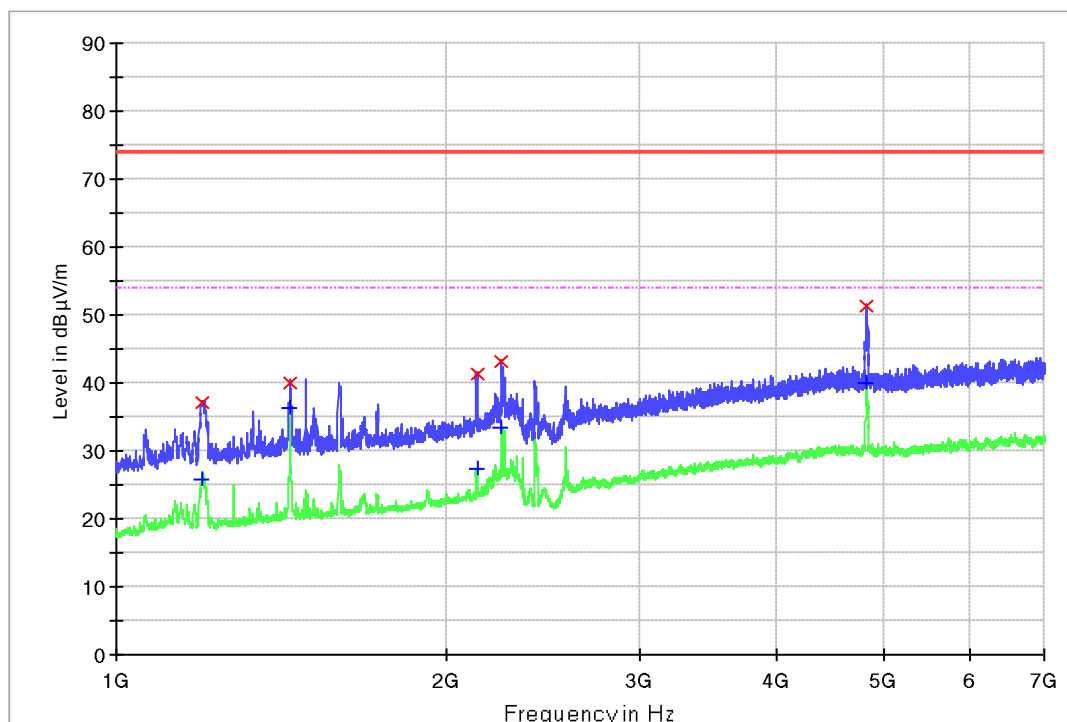
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
33.152500	28.1	V	23.7	11.9	40.0
264.982500	25.5	V	20.7	20.5	46.0
856.197500	33.8	V	27.9	12.2	46.0

Figure 48: Radiated Spurious Emission, TM4, 1GHz to 7GHz, H

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Limit and Margin PK

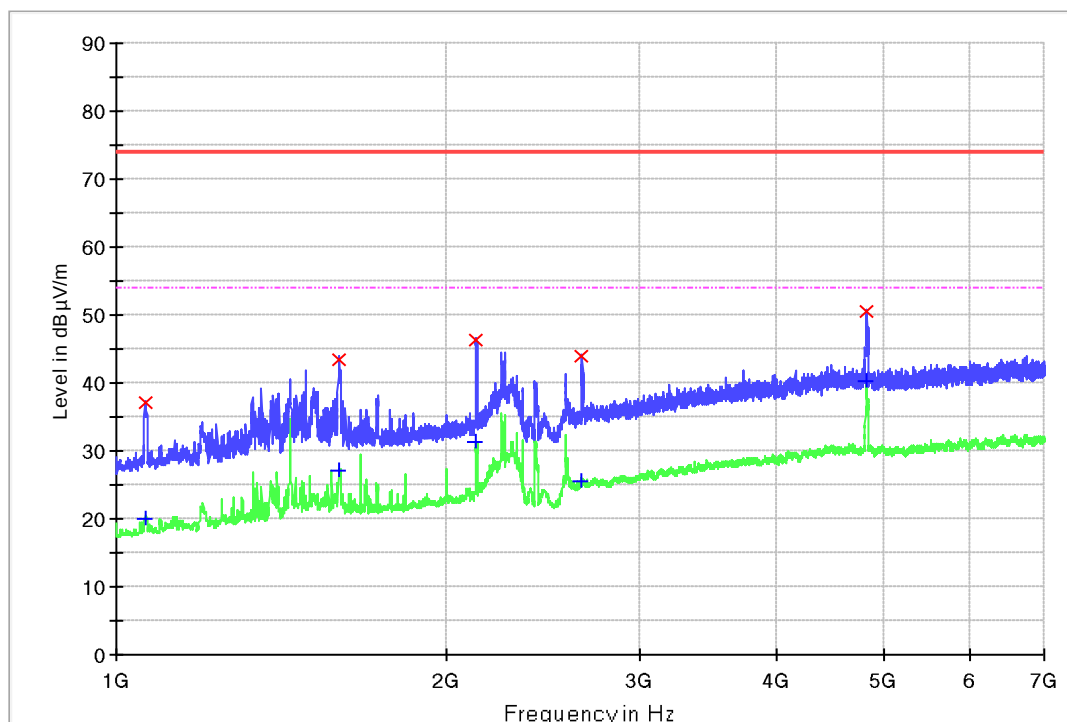
Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1196.800000	37.1	H	-21.3	36.9	74.0
1439.800000	40.1	H	-19.4	33.9	74.0
2131.000000	41.2	H	-15.7	32.8	74.0
2244.400000	43.1	H	-15.2	30.9	74.0
4825.000000	51.2	H	-6.5	22.8	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1196.800000	25.7	H	-21.3	28.3	54.0
1439.800000	36.2	H	-19.4	17.8	54.0
2131.000000	27.3	H	-15.7	26.7	54.0
2244.400000	33.5	H	-15.2	20.5	54.0
4825.000000	40.1	H	-6.5	13.9	54.0

Figure 49: Radiated Spurious Emission, TM4, 1GHz to 7GHz, V

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Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1061.800000	37.0	V	-22.1	37.0	74.0
1595.800000	43.5	V	-18.3	30.5	74.0
2129.200000	46.2	V	-15.7	27.8	74.0
2656.600000	44.0	V	-13.3	30.0	74.0
4823.200000	50.6	V	-6.5	23.4	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1061.800000	20.1	V	-22.1	33.9	54.0
1595.800000	27.2	V	-18.3	26.8	54.0
2129.200000	31.4	V	-15.7	22.6	54.0
2656.600000	25.5	V	-13.3	28.5	54.0
4823.200000	40.2	V	-6.5	13.8	54.0

Figure 50: Radiated Spurious Emission, TM4, 7GHz to 18GHz, H

RE 1-18GHz HL050 FSV40 Pre

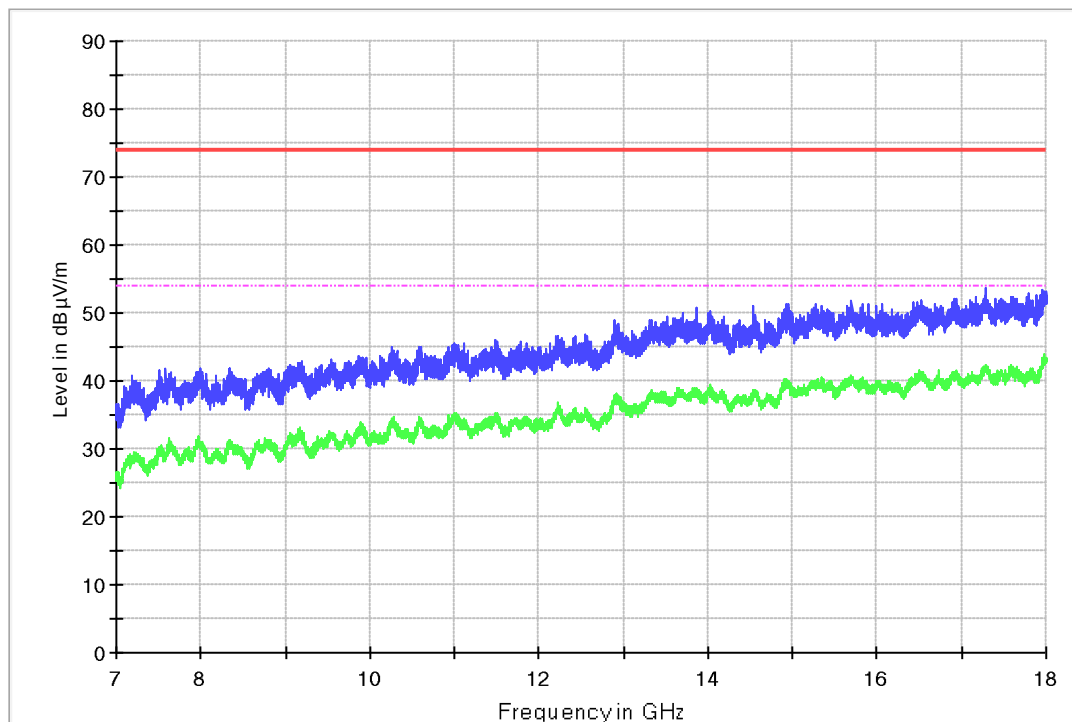


Figure 51: Radiated Spurious Emission, TM4, 7GHz to 18GHz, V

RE 1-18GHz HL050 FSV40 Pre

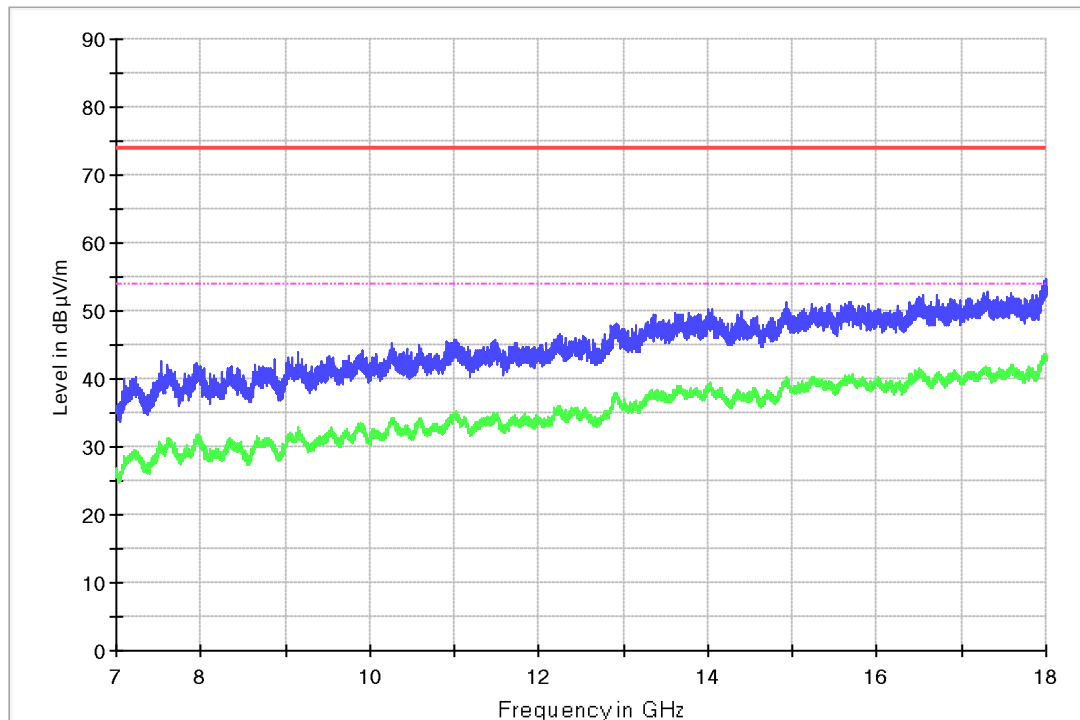


Figure 52: Radiated Spurious Emission, TM4, 18GHz to 25GHz, H

RE 18-40GHz 9170 FSV40 Pre

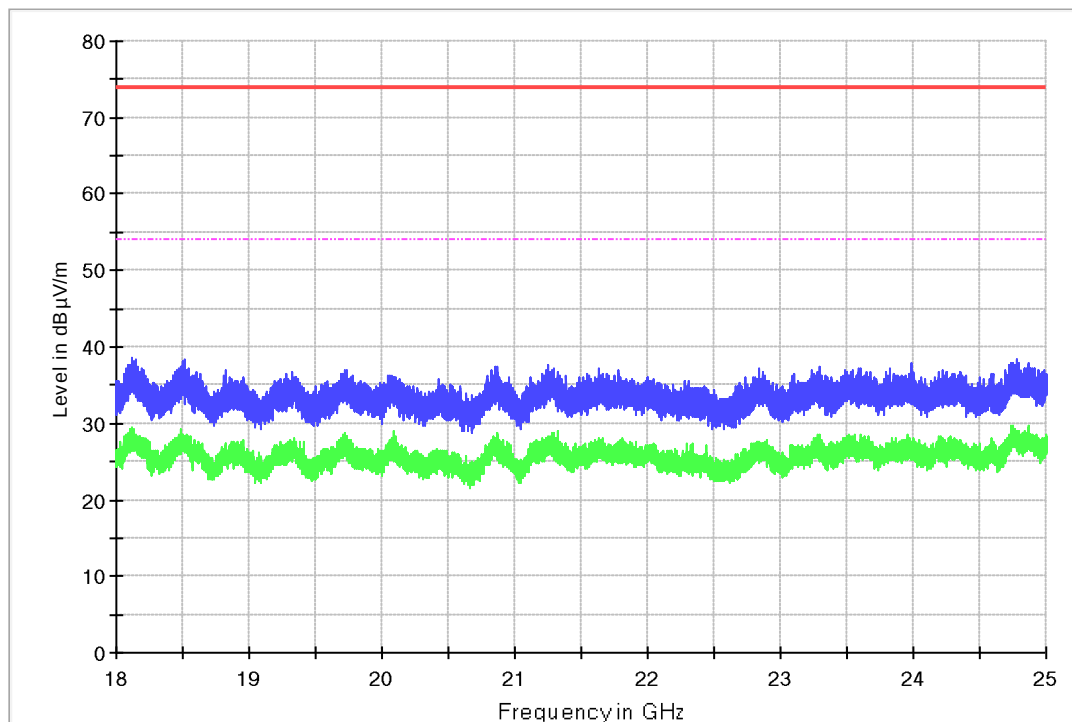


Figure 53: Radiated Spurious Emission, TM4, 18GHz to 25GHz, V

RE 18-40GHz 9170 FSV40 Pre

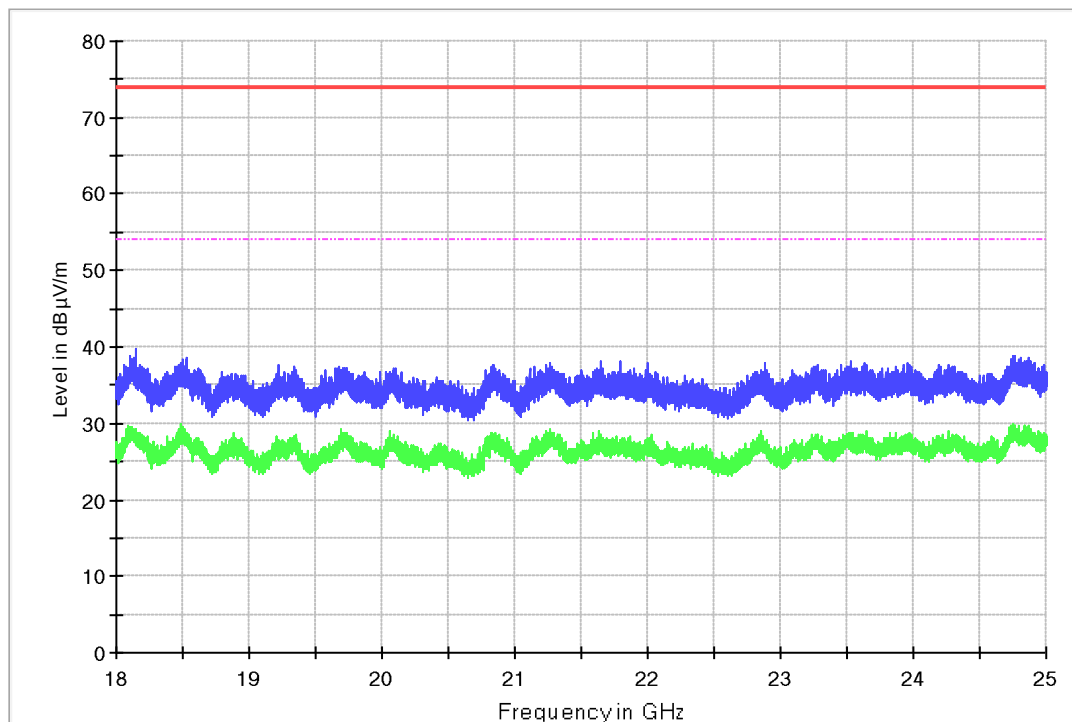
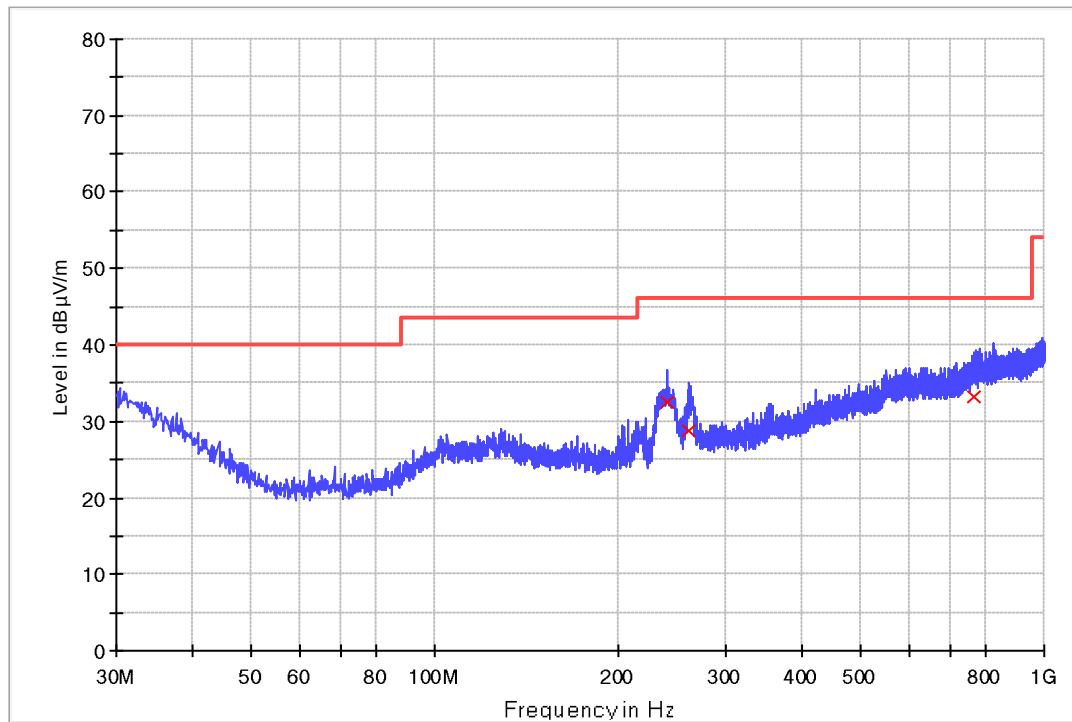


Figure 54: Radiated Spurious Emission, TM5, 30MHz to 1GHz, H

Radiated emission (30M-1GHz) 1 Range FCC

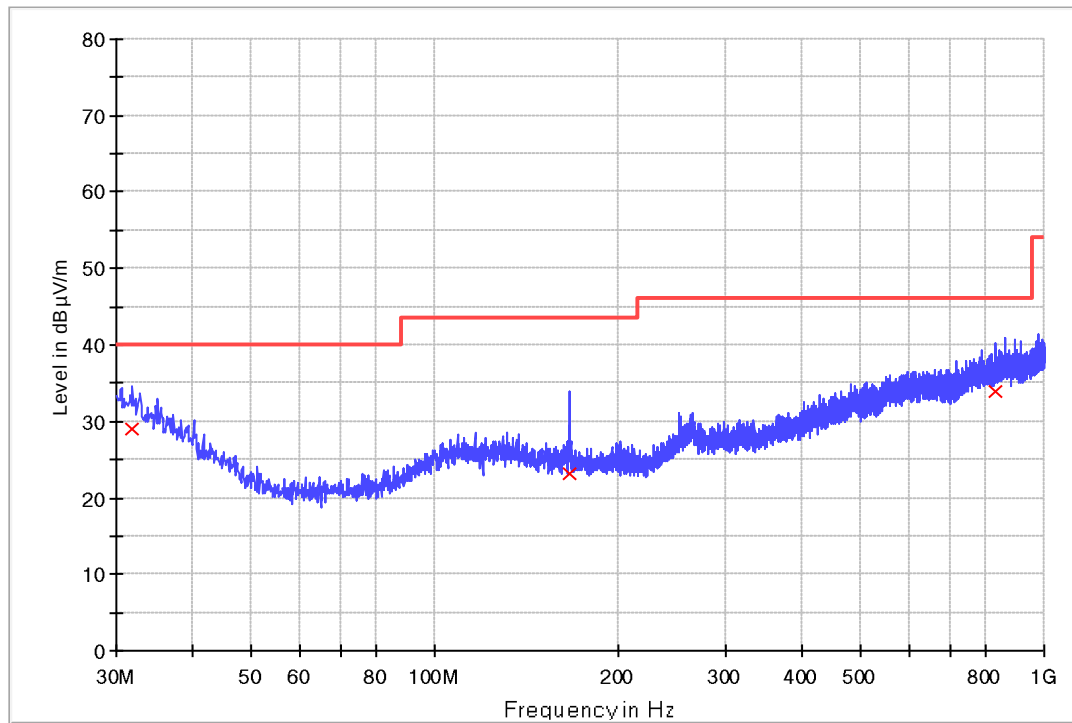


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
240.005000	32.5	H	18.1	13.5	46.0
261.830000	28.9	H	20.7	17.1	46.0
769.382500	33.1	H	27.5	12.9	46.0

Figure 55: Radiated Spurious Emission, TM5, 30MHz to 1GHz, V

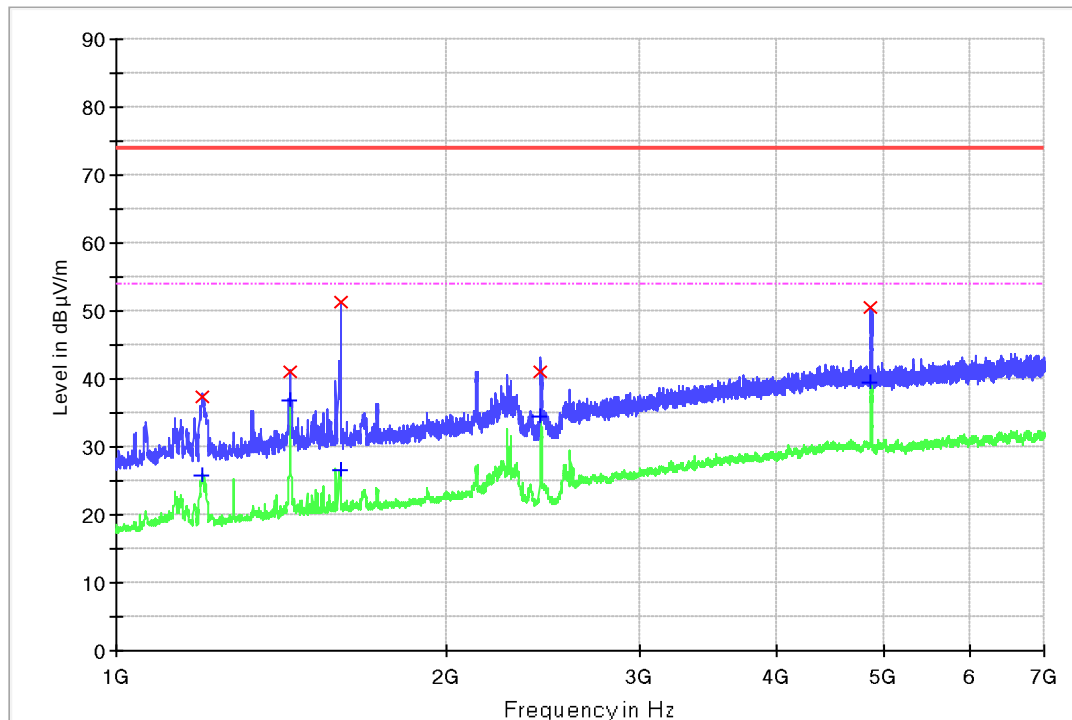
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.940000	29.0	V	24.5	11.0	40.0
165.921250	23.2	V	16.5	20.3	43.5
831.220000	33.9	V	27.5	12.1	46.0

Figure 56: Radiated Spurious Emission, TM5, 1GHz to 7GHz, H

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

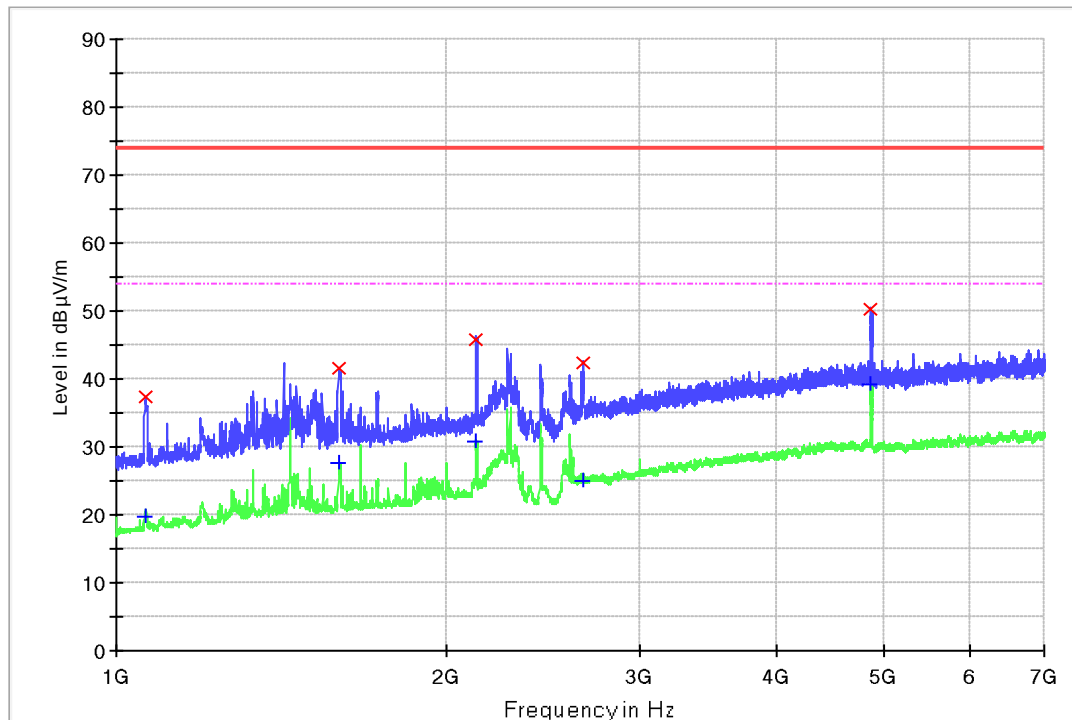
Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1199.800000	37.5	H	-21.2	36.5	74.0
1439.800000	41.1	H	-19.4	32.9	74.0
1599.400000	51.2	H	-18.3	22.8	74.0
2432.200000	41.0	H	-14.3	33.0	74.0
4870.000000	50.4	H	-6.5	23.6	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1199.800000	25.8	H	-21.2	28.2	54.0
1439.800000	36.8	H	-19.4	17.2	54.0
1599.400000	26.6	H	-18.3	27.4	54.0
2432.200000	34.5	H	-14.3	19.5	54.0
4870.000000	39.6	H	-6.5	14.4	54.0

Figure 57: Radiated Spurious Emission, TM5, 1GHz to 7GHz, V

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1062.400000	37.4	V	-22.1	36.6	74.0
1594.000000	41.7	V	-18.4	32.3	74.0
2124.400000	45.8	V	-15.8	28.2	74.0
2660.200000	42.4	V	-13.3	31.6	74.0
4871.200000	50.3	V	-6.5	23.7	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1062.400000	19.9	V	-22.1	34.2	54.0
1594.000000	27.6	V	-18.4	26.4	54.0
2124.400000	30.7	V	-15.8	23.3	54.0
2660.200000	24.9	V	-13.3	29.1	54.0
4871.200000	39.3	V	-6.5	14.7	54.0

Figure 58: Radiated Spurious Emission, TM5, 7GHz to 18GHz, H

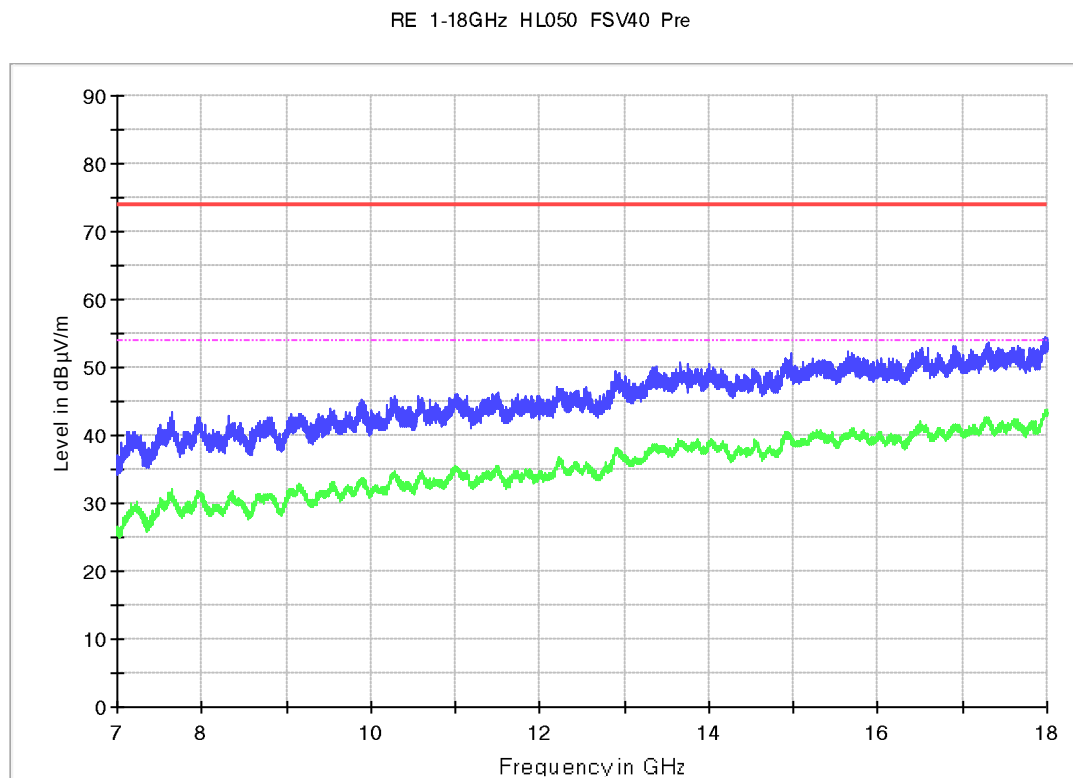


Figure 59: Radiated Spurious Emission, TM5, 7GHz to 18GHz, V

RE 1-18GHz HL050 FSV40 Pre

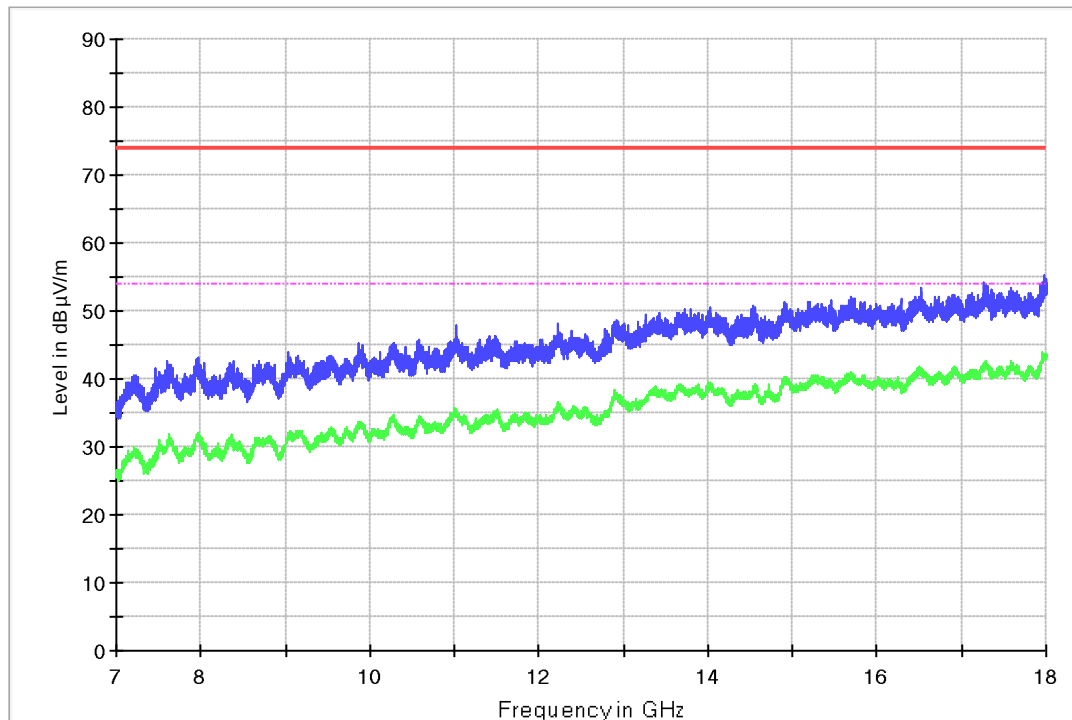


Figure 60: Radiated Spurious Emission, TM5, 18GHz to 25GHz, H

RE 18-40GHz 9170 FSV40 Pre

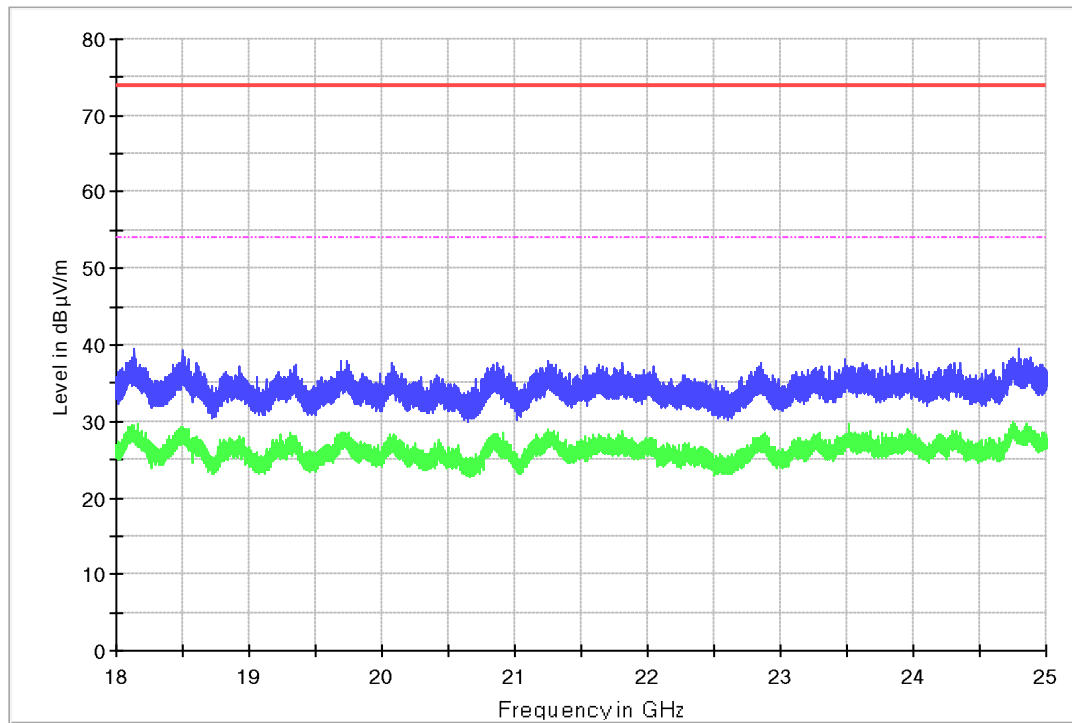


Figure 61: Radiated Spurious Emission, TM5, 18GHz to 25GHz, V

RE 18-40GHz 9170 FSV40 Pre

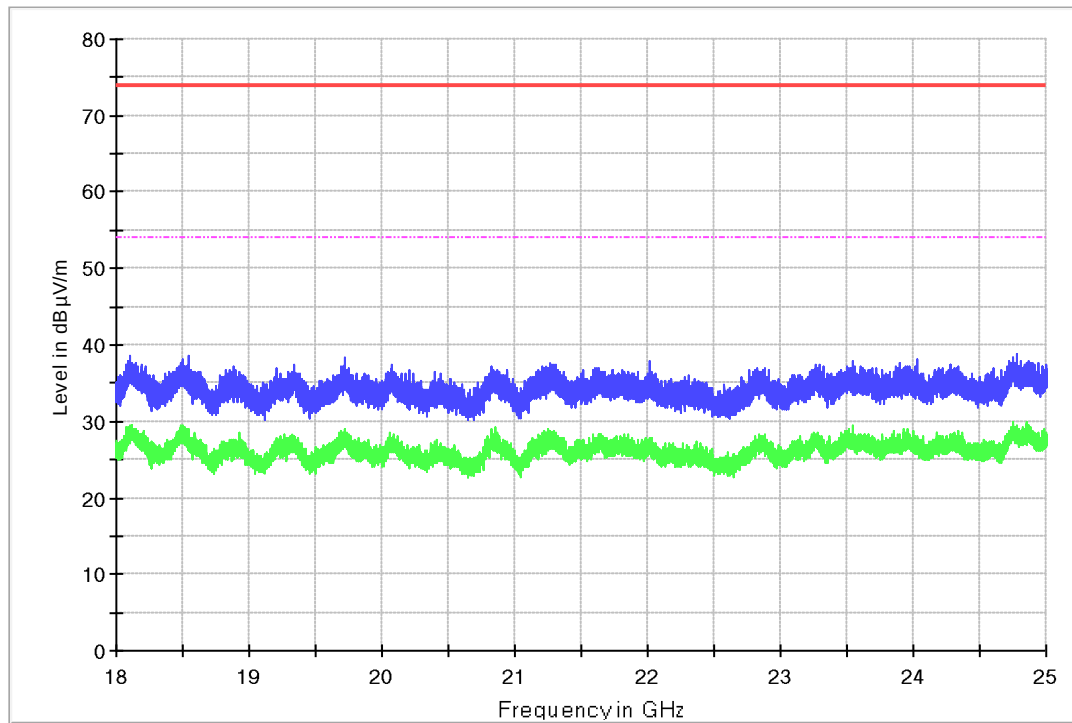
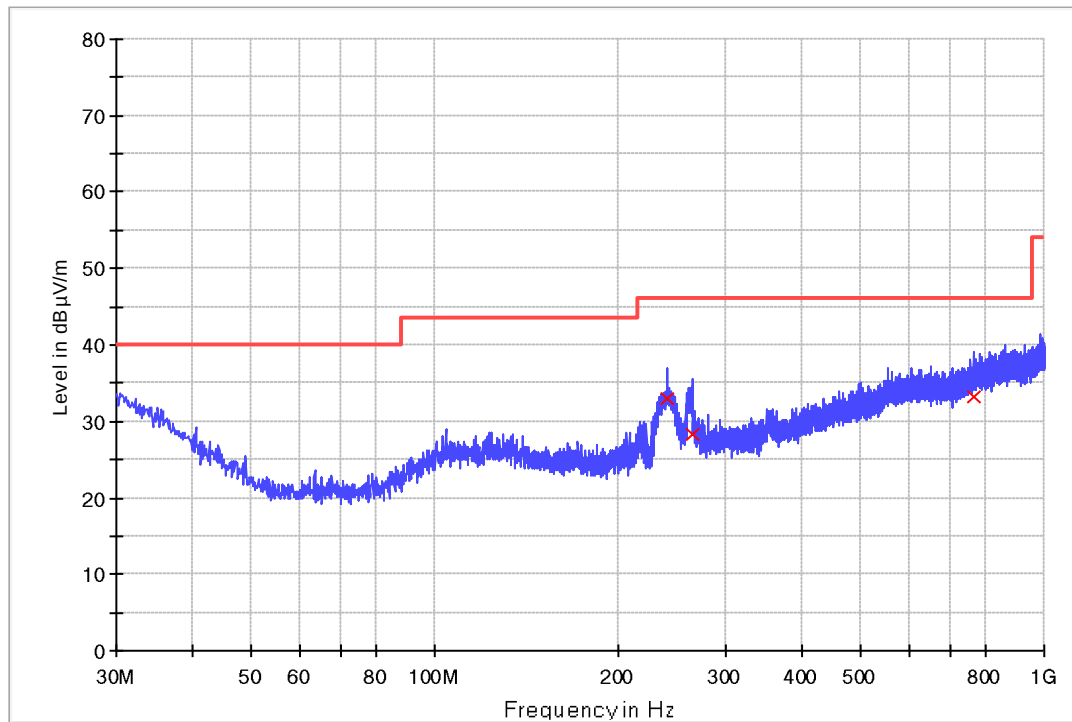


Figure 62: Radiated Spurious Emission, TM6, 30MHz to 1GHz, H

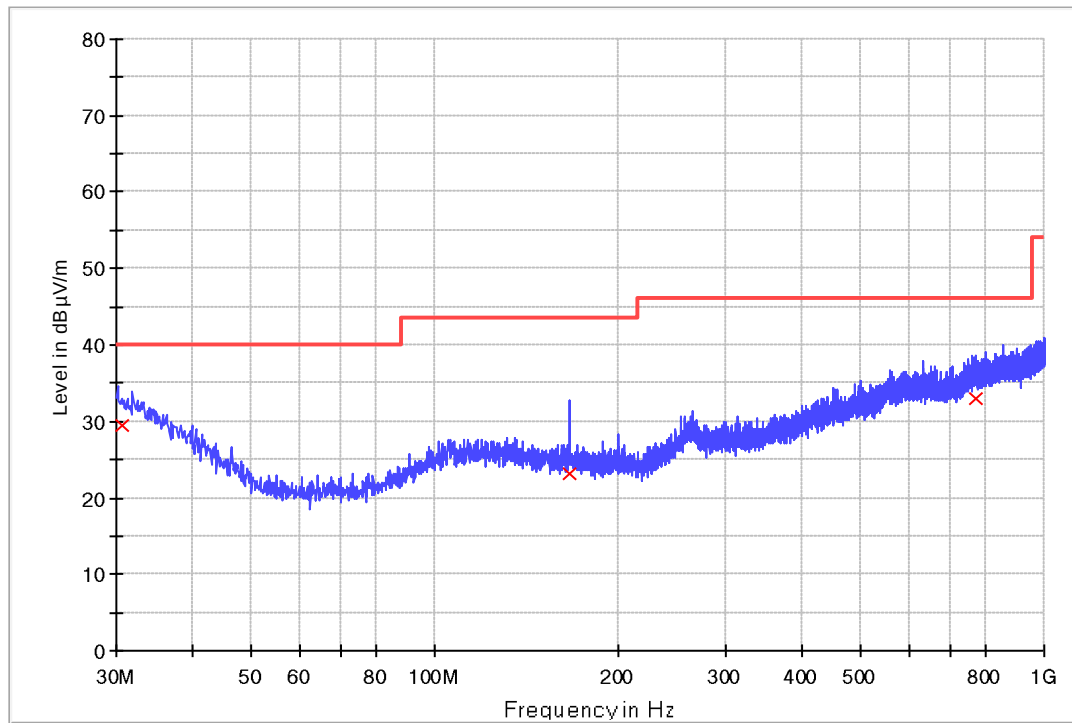
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
240.005000	33.0	H	18.1	13.0	46.0
264.255000	28.3	H	20.7	17.7	46.0
769.140000	33.2	H	27.5	12.8	46.0

Figure 63: Radiated Spurious Emission, TM6, 30MHz to 1GHz, V

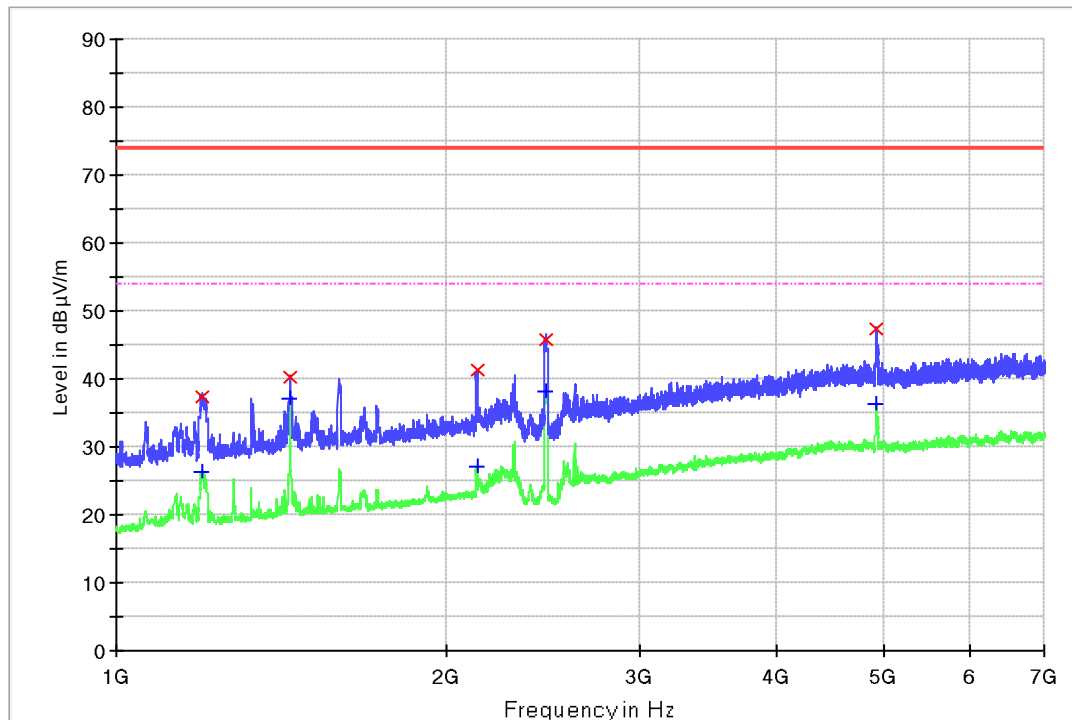
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.606250	29.5	V	25.1	10.5	40.0
166.163750	23.1	V	16.5	20.4	43.5
772.413750	33.0	V	27.4	13.0	46.0

Figure 64: Radiated Spurious Emission, TM6, 1GHz to 7GHz, H

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin pk

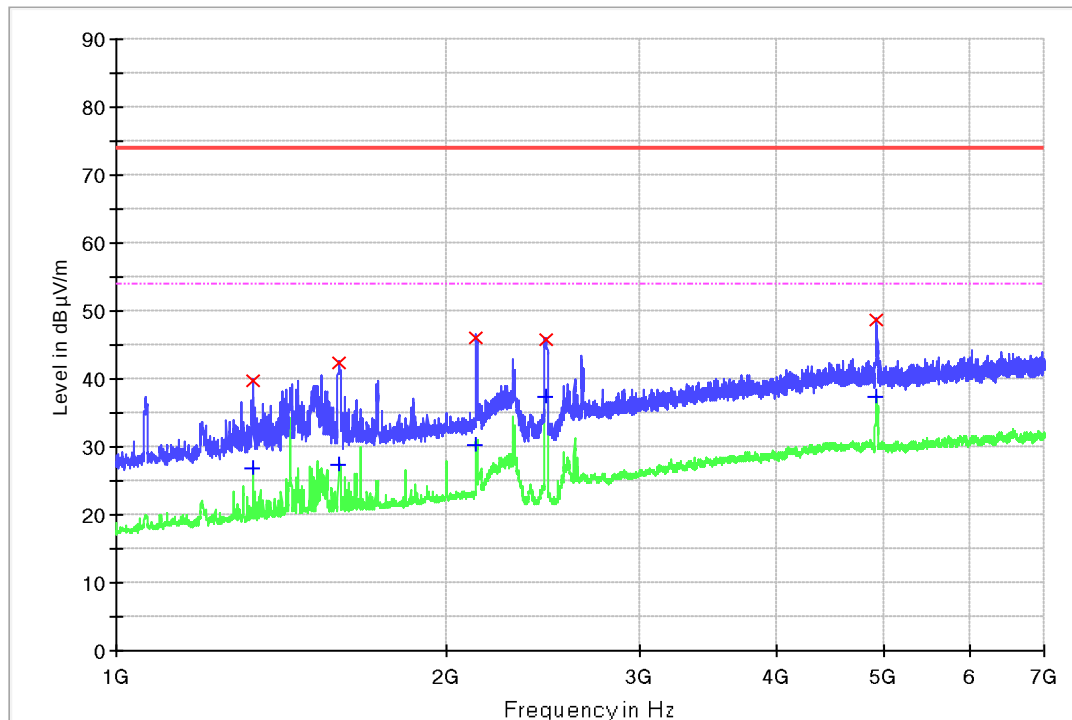
Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1199.800000	37.4	H	-21.2	36.6	74.0
1439.800000	40.2	H	-19.4	33.8	74.0
2129.800000	41.3	H	-15.7	32.7	74.0
2461.000000	45.7	H	-14.3	28.3	74.0
4923.400000	47.5	H	-6.6	26.5	74.0

Limit and Margin av

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1199.800000	26.3	H	-21.2	27.7	54.0
1439.800000	37.0	H	-19.4	17.0	54.0
2129.800000	27.1	H	-15.7	26.9	54.0
2461.000000	38.1	H	-14.3	15.9	54.0
4923.400000	36.2	H	-6.6	17.8	54.0

Figure 65: Radiated Spurious Emission, TM6, 1GHz to 7GHz, V

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1333.000000	39.7	V	-20.2	34.3	74.0
1597.600000	42.3	V	-18.3	31.7	74.0
2123.800000	46.0	V	-15.8	28.0	74.0
2459.800000	45.8	V	-14.3	28.2	74.0
4923.400000	48.6	V	-6.6	25.4	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1333.000000	26.8	V	-20.2	27.2	54.0
1597.600000	27.4	V	-18.3	26.6	54.0
2123.800000	30.3	V	-15.8	23.7	54.0
2459.800000	37.4	V	-14.3	16.6	54.0
4923.400000	37.3	V	-6.6	16.7	54.0

Figure 66: Radiated Spurious Emission, TM6, 7GHz to 18GHz, H

RE 1-18GHz HL050 FSV40 Pre

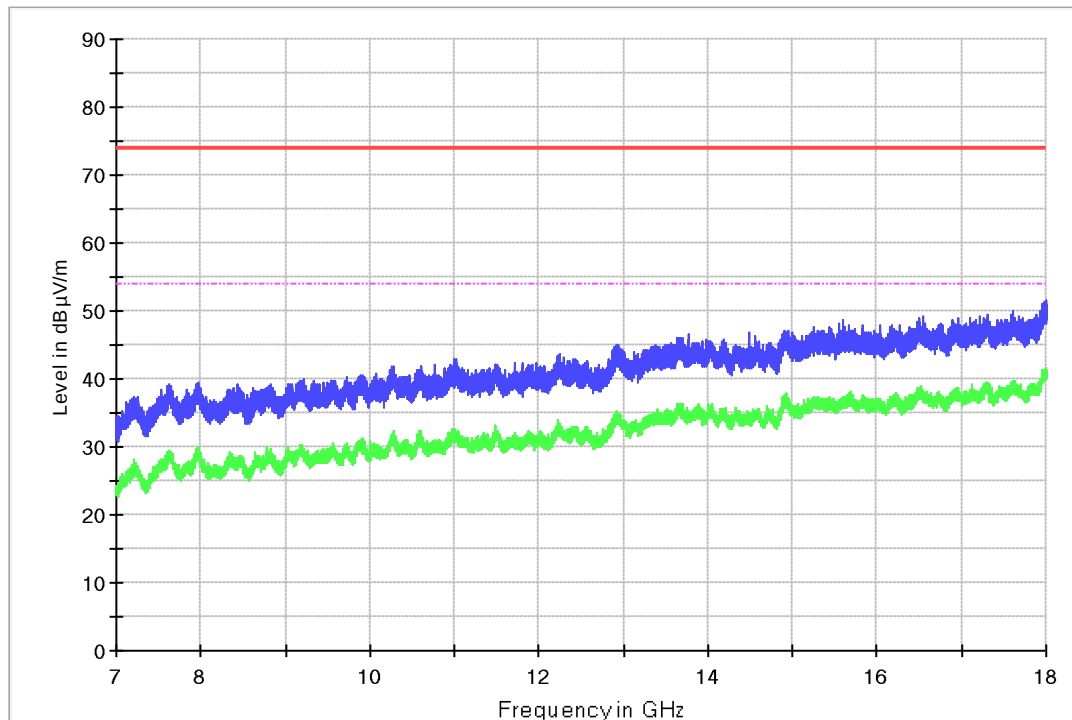


Figure 67: Radiated Spurious Emission, TM6, 7GHz to 18GHz, V

RE 1-18GHz HL050 FSV40 Pre

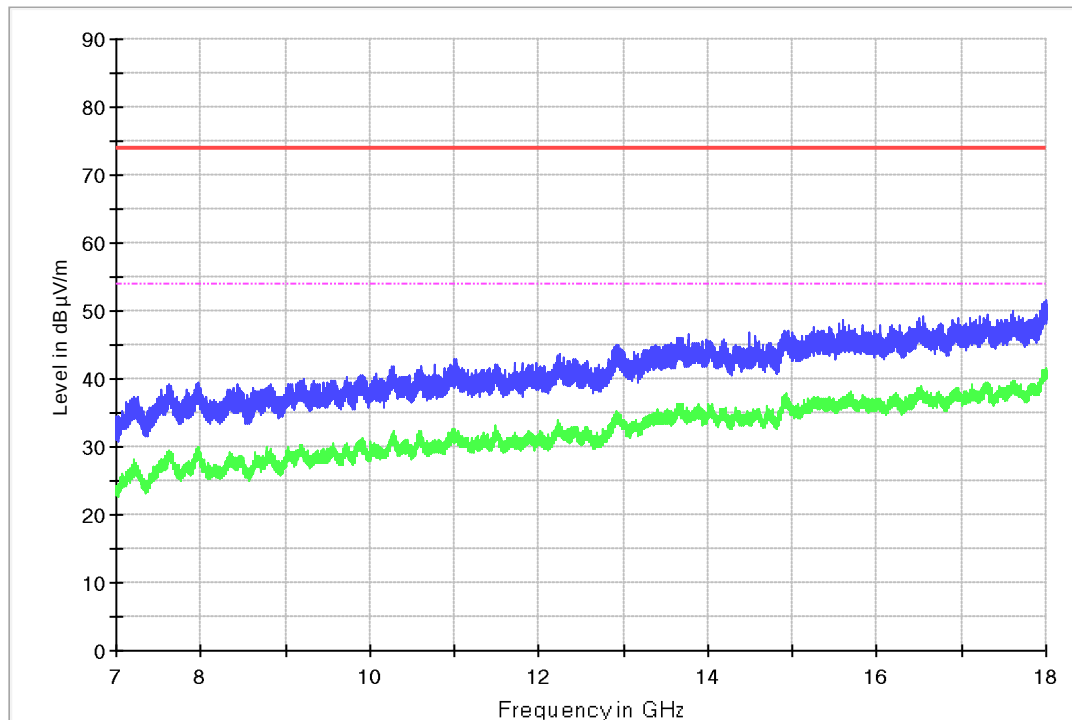


Figure 68: Radiated Spurious Emission, TM6, 18GHz to 25GHz, H

RE 18-40GHz 9170 FSV40 Pre

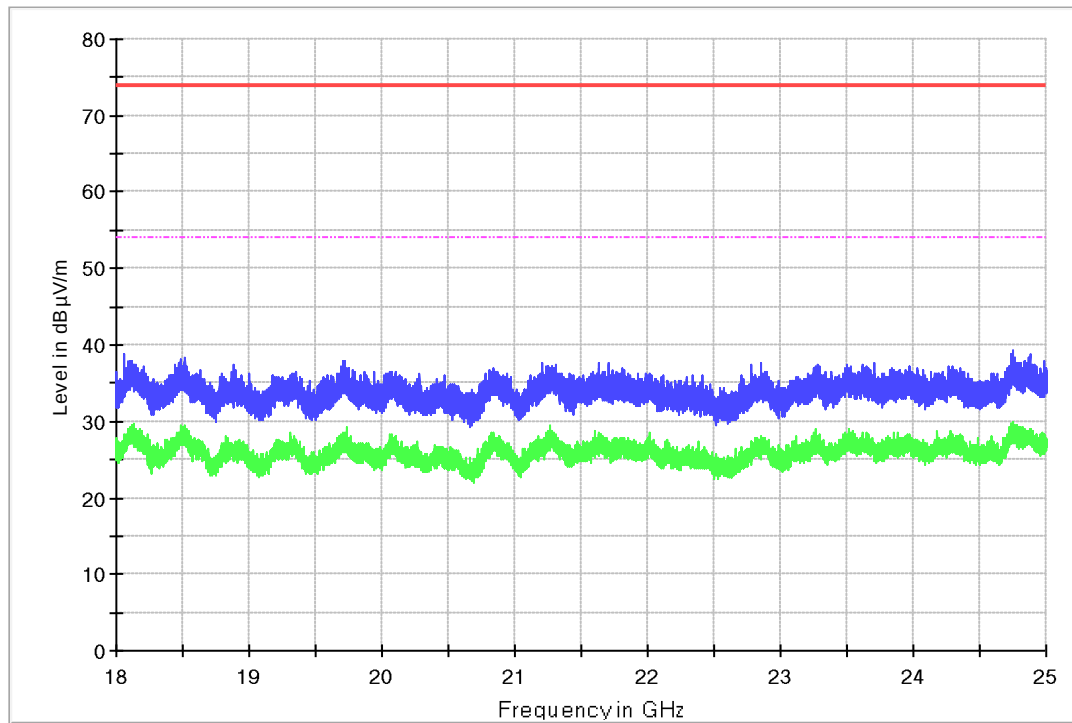


Figure 69: Radiated Spurious Emission, TM6, 18GHz to 25GHz, V

RE 18-40GHz 9170 FSV40 Pre

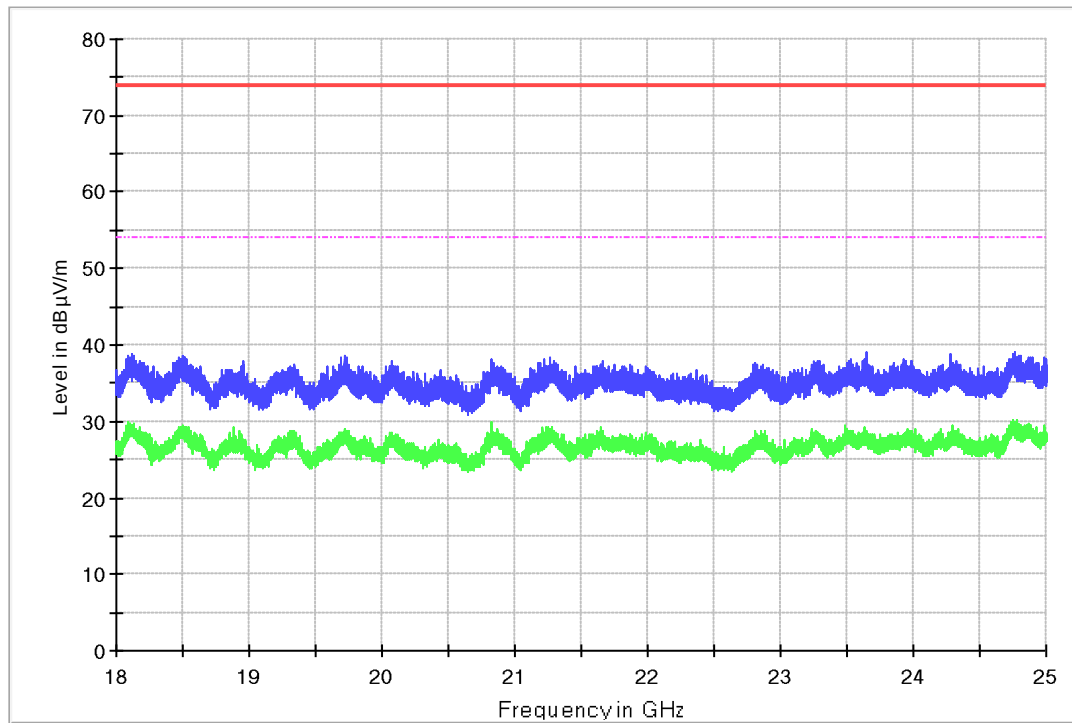
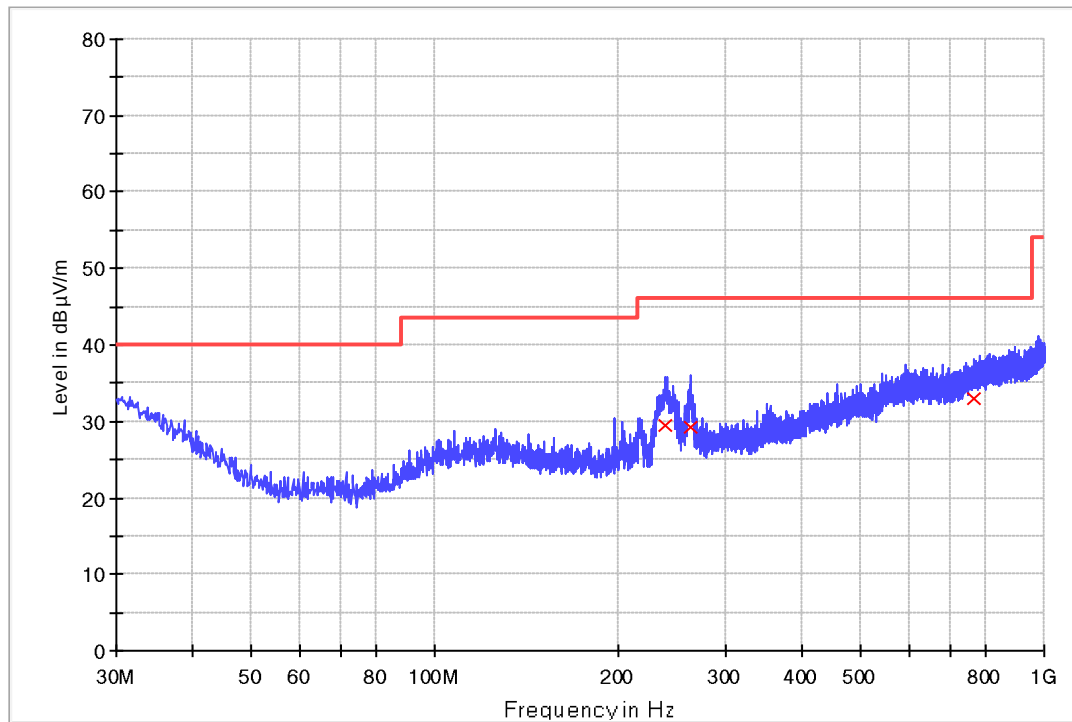


Figure 70: Radiated Spurious Emission, TM7, 30MHz to 1GHz, H

Radiated emission (30M-1GHz) 1 Range FCC

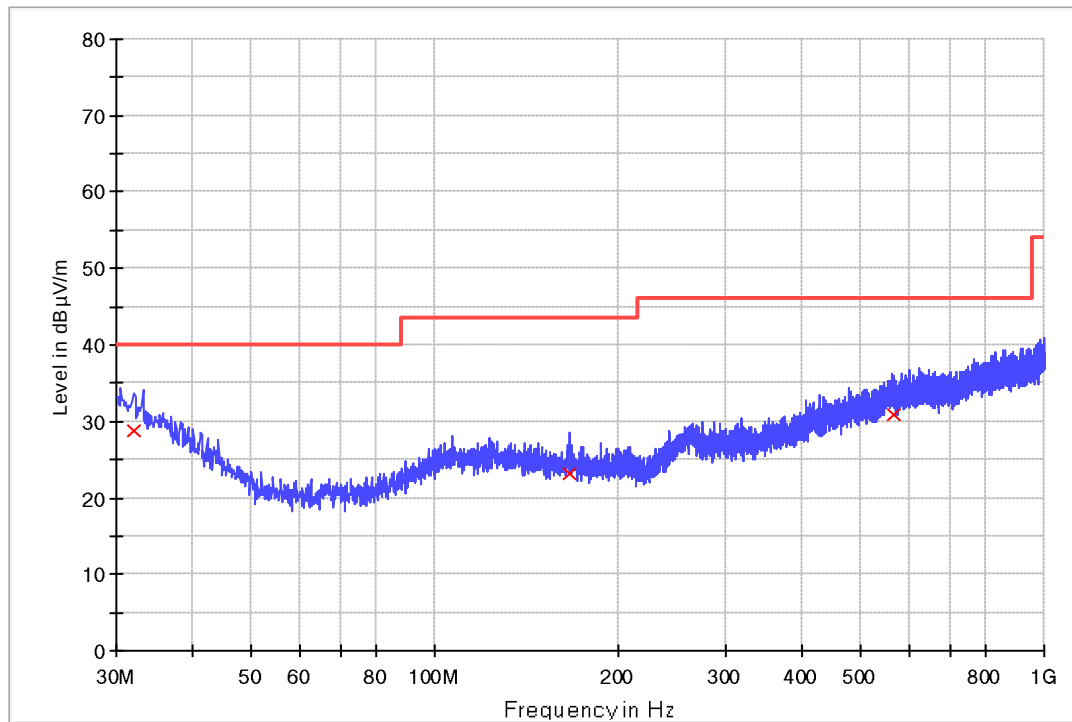


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
238.550000	29.6	H	18.0	16.4	46.0
262.921250	29.2	H	20.7	16.8	46.0
766.957500	33.0	H	27.4	13.0	46.0

Figure 71: Radiated Spurious Emission, TM7, 30MHz to 1GHz, V

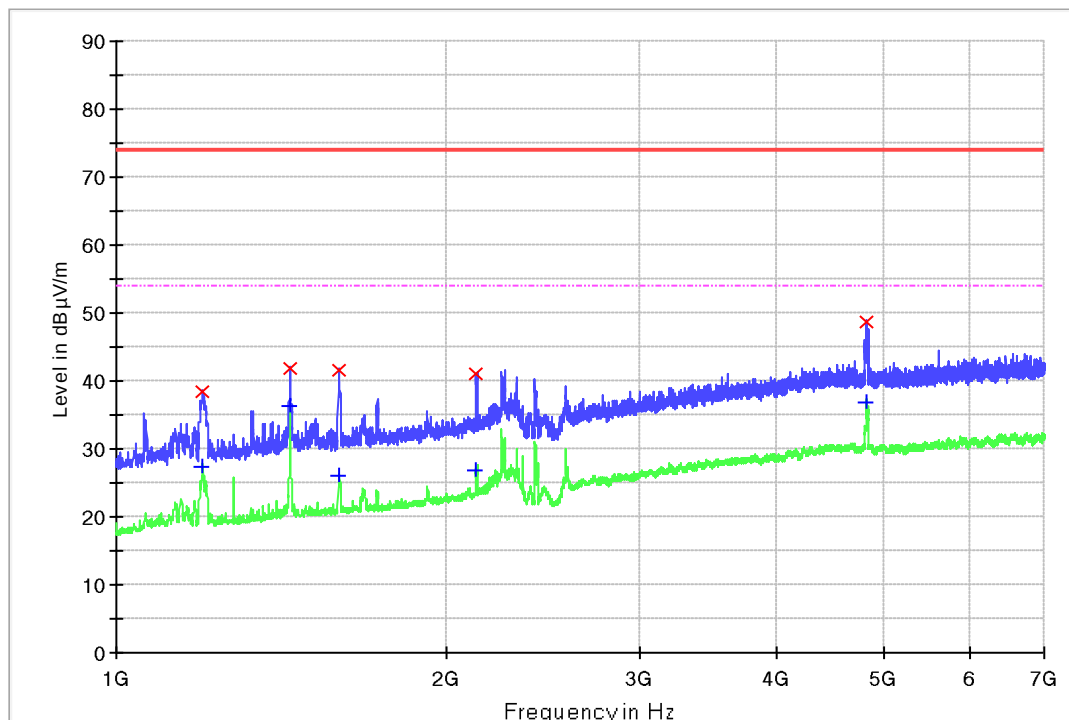
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
32.061250	28.9	V	24.5	11.1	40.0
165.921250	23.1	V	16.5	20.4	43.5
568.471250	30.8	V	26.2	15.2	46.0

Figure 72: Radiated Spurious Emission, TM7, 1GHz to 7GHz, H

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

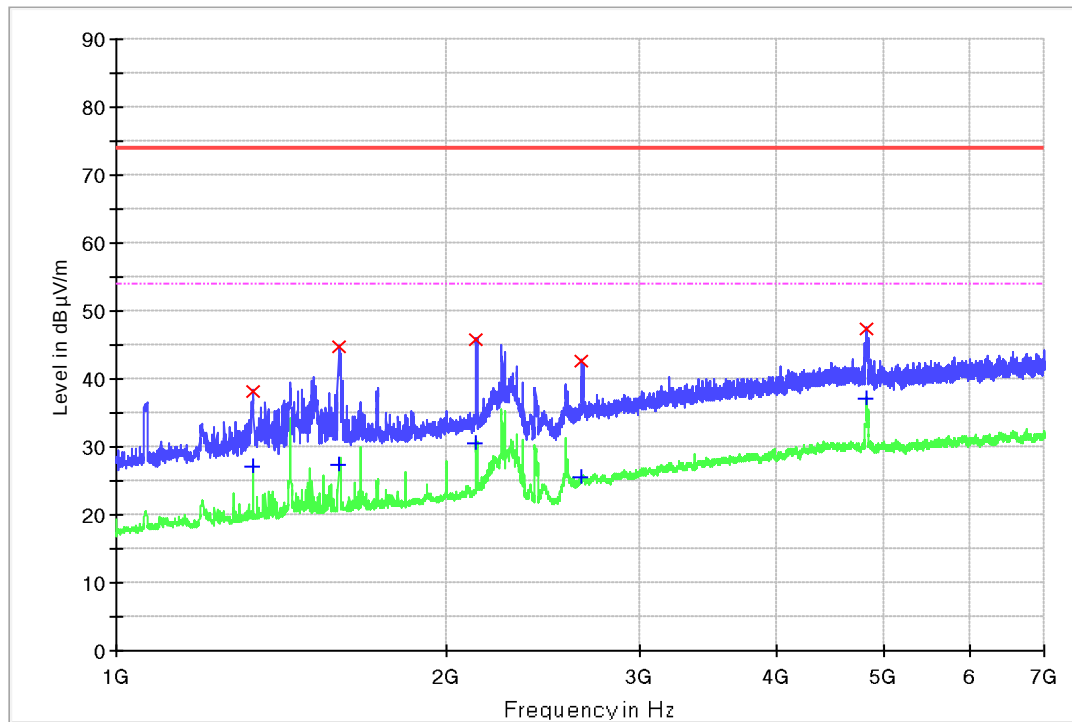
Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1199.200000	38.5	H	-21.2	35.5	74.0
1439.800000	41.8	H	-19.4	32.2	74.0
1597.600000	41.6	H	-18.3	32.4	74.0
2128.000000	41.0	H	-15.7	33.0	74.0
4825.000000	48.6	H	-6.5	25.4	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1199.200000	27.5	H	-21.2	26.5	54.0
1439.800000	36.3	H	-19.4	17.7	54.0
1597.600000	26.1	H	-18.3	27.9	54.0
2128.000000	26.9	H	-15.7	27.1	54.0
4825.000000	36.8	H	-6.5	17.2	54.0

Figure 73: Radiated Spurious Emission, TM7, 1GHz to 7GHz, V

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1330.600000	38.1	V	-20.2	35.9	74.0
1598.200000	44.8	V	-18.3	29.2	74.0
2125.600000	45.9	V	-15.8	28.1	74.0
2656.600000	42.6	V	-13.3	31.4	74.0
4823.800000	47.3	V	-6.5	26.7	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1330.600000	27.1	V	-20.2	26.9	54.0
1598.200000	27.5	V	-18.3	26.5	54.0
2125.600000	30.6	V	-15.8	23.4	54.0
2656.600000	25.5	V	-13.3	28.5	54.0
4823.800000	37.2	V	-6.5	16.8	54.0

Figure 74: Radiated Spurious Emission, TM7, 7GHz to 18GHz, H

RE 1-18GHz HL050 FSV40 Pre

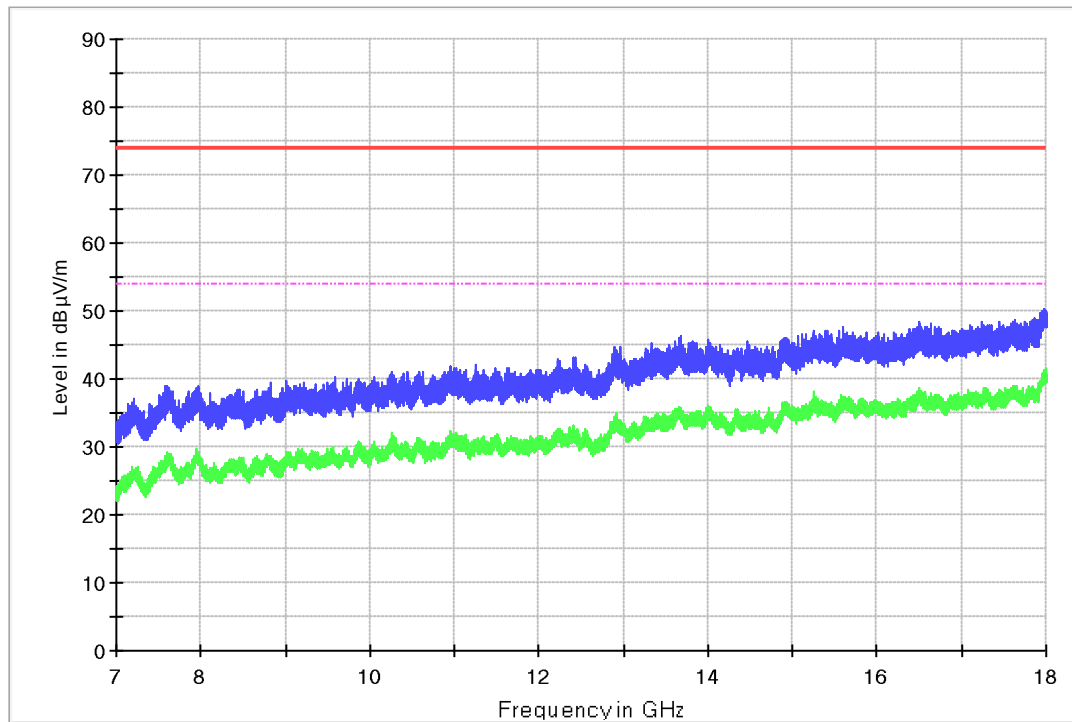


Figure 75: Radiated Spurious Emission, TM7, 7GHz to 18GHz, V

RE 1-18GHz HL050 FSV40 Pre

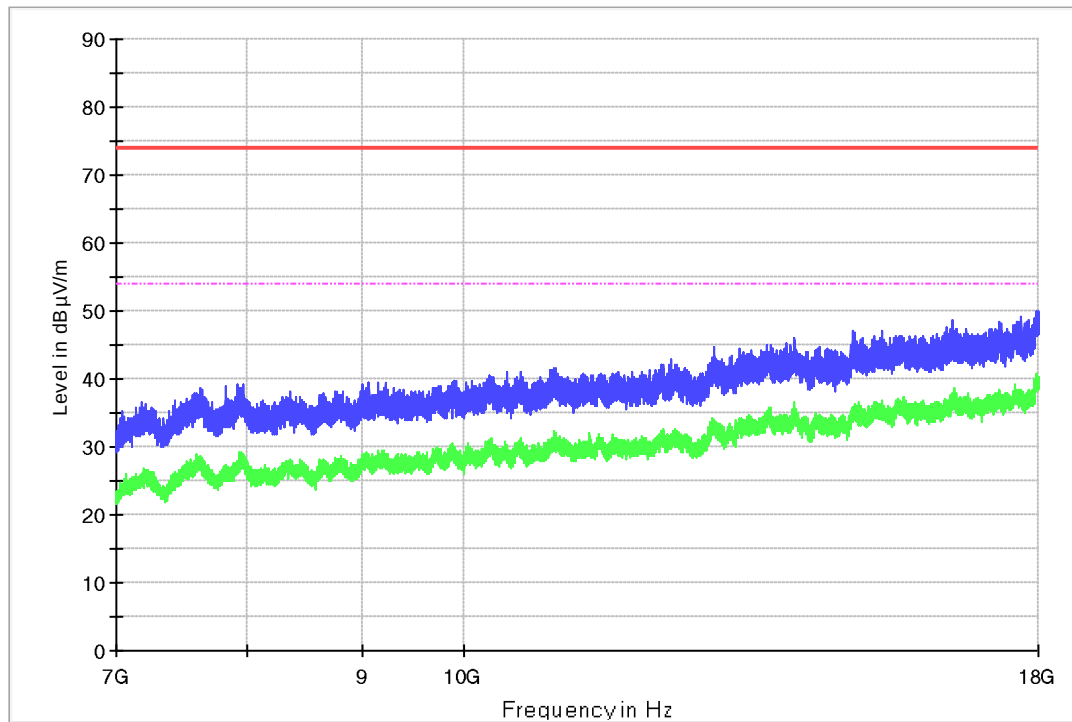


Figure 76: Radiated Spurious Emission, TM7, 18GHz to 25GHz, H

RE 18-40GHz 9170 FSV40 Pre

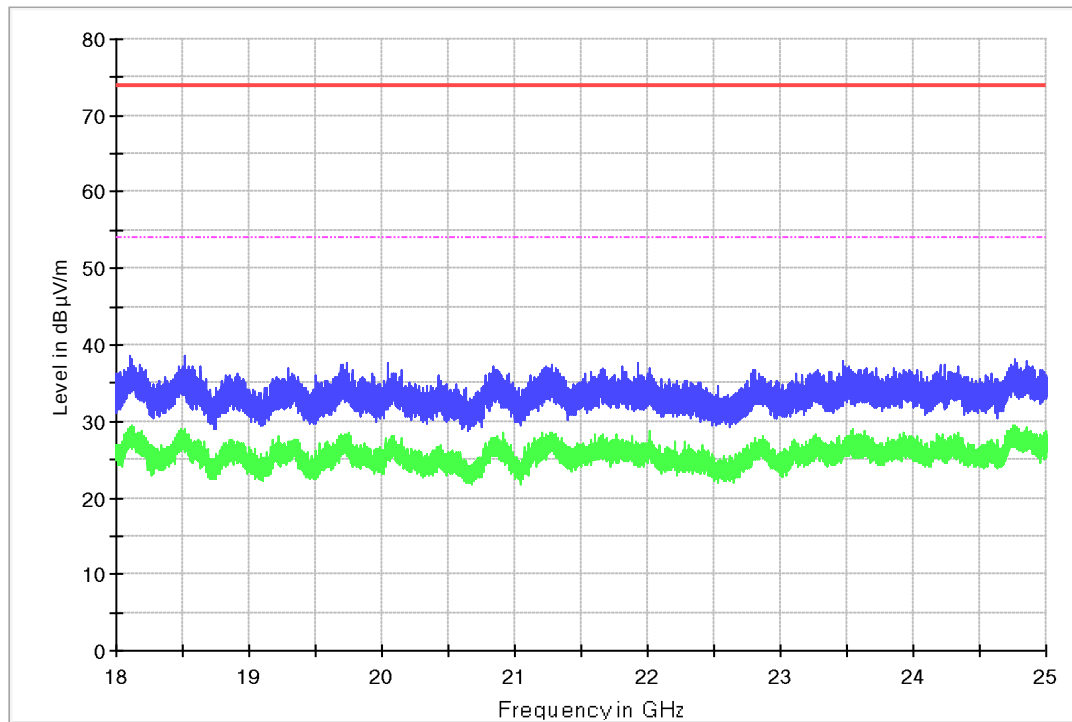


Figure 77: Radiated Spurious Emission, TM7, 18GHz to 25GHz, V

RE 18-40GHz 9170 FSV40 Pre

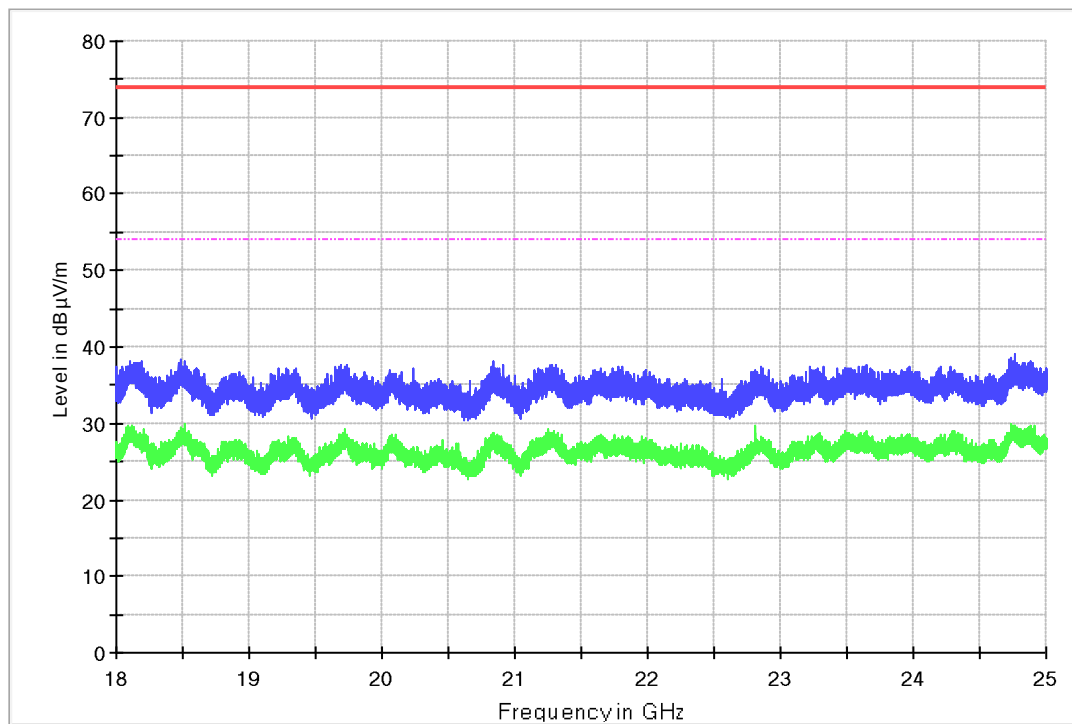
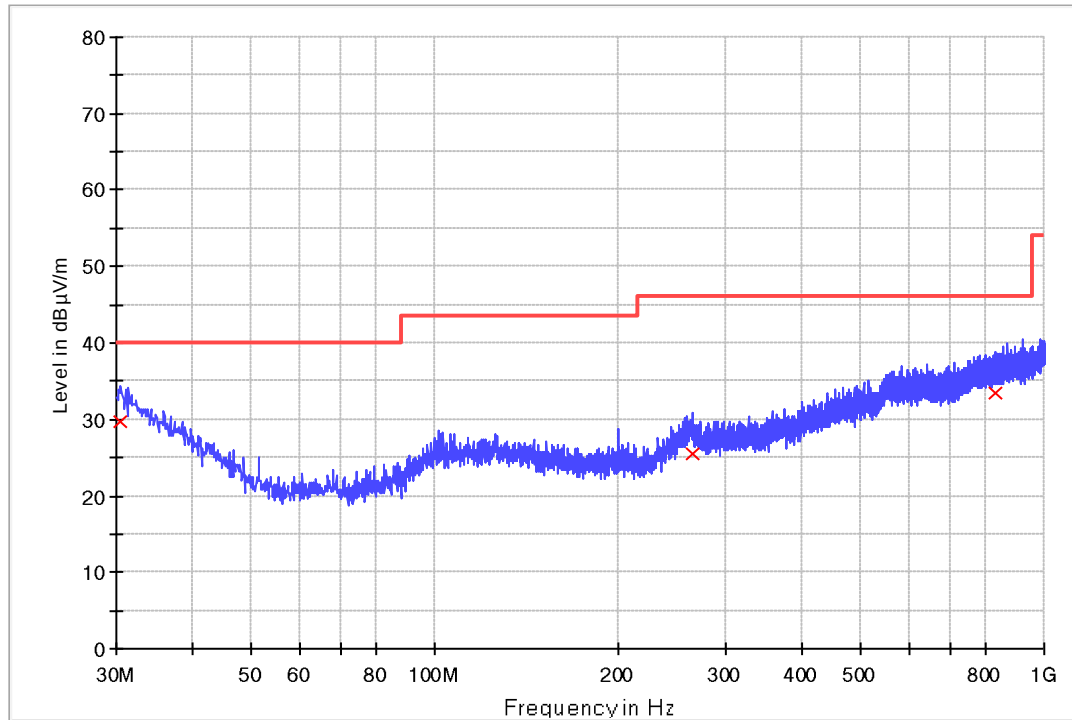


Figure 78: Radiated Spurious Emission, TM8, 30MHz to 1GHz, H

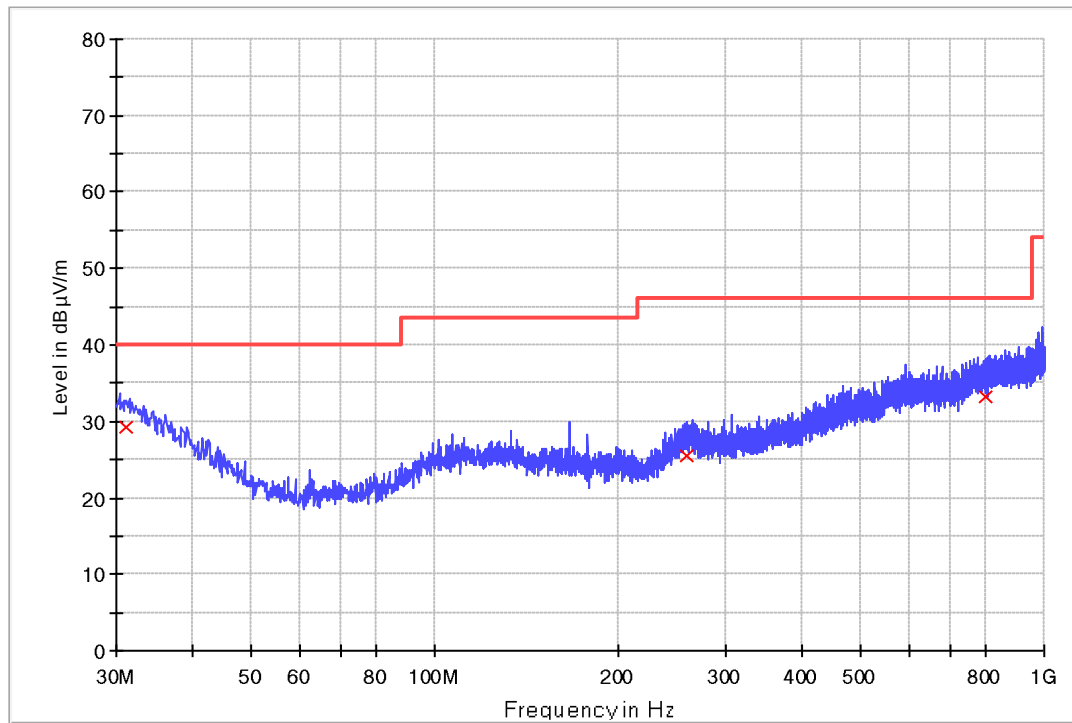
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
31.212500	29.3	H	24.8	10.7	40.0
259.283750	25.4	H	20.6	20.6	46.0
801.998750	33.1	H	27.4	12.9	46.0

Figure 79: Radiated Spurious Emission, TM8, 30MHz to 1GHz, V

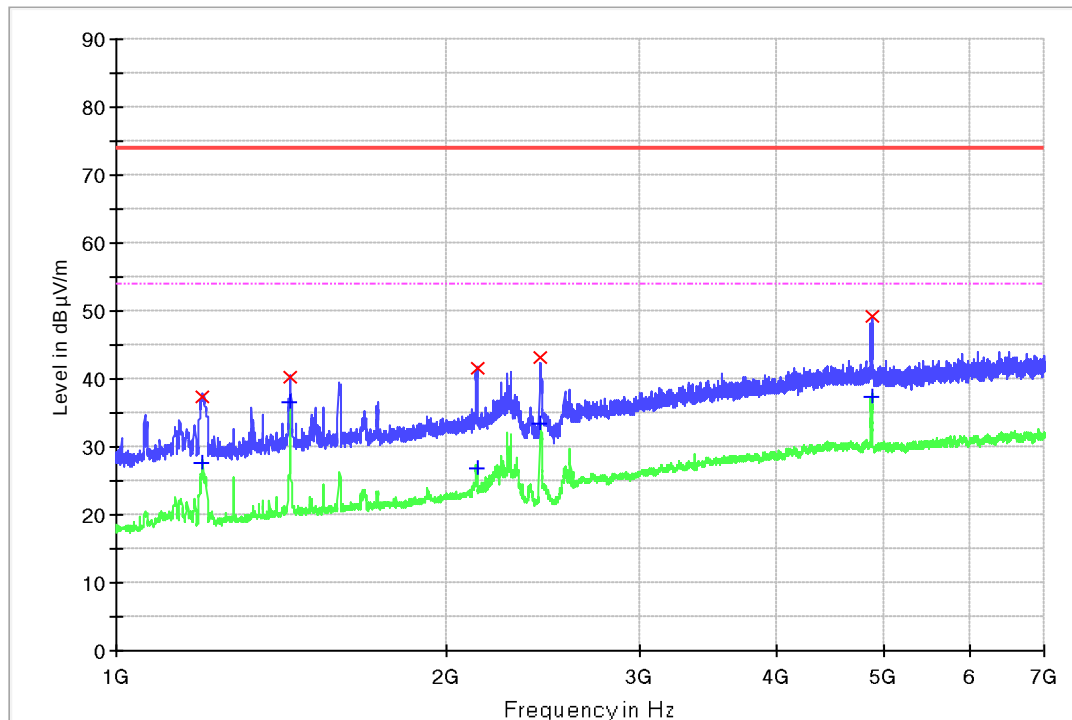
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.485000	29.6	V	25.2	10.4	40.0
264.255000	25.5	V	20.7	20.5	46.0
834.008750	33.4	V	27.5	12.6	46.0

Figure 80: Radiated Spurious Emission, TM8, 1GHz to 7GHz, H

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

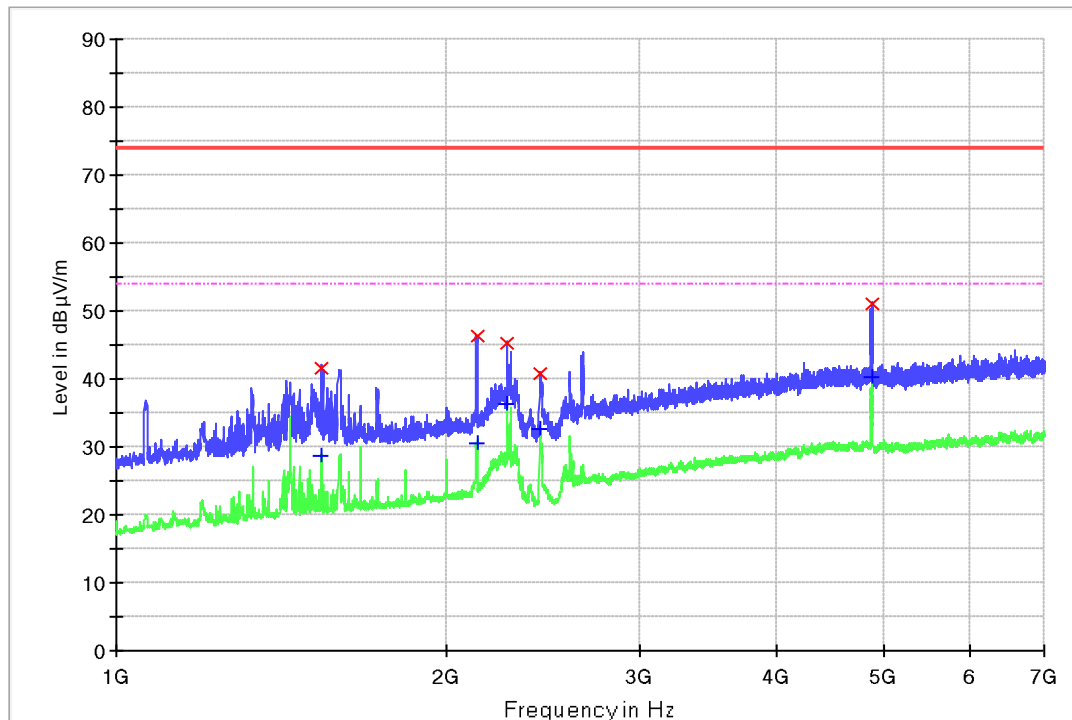
Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1199.800000	37.5	H	-21.2	36.5	74.0
1439.800000	40.2	H	-19.4	33.8	74.0
2129.800000	41.6	H	-15.7	32.4	74.0
2434.000000	43.1	H	-14.3	30.9	74.0
4874.800000	49.1	H	-6.5	24.9	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1199.800000	27.7	H	-21.2	26.3	54.0
1439.800000	36.5	H	-19.4	17.5	54.0
2129.800000	26.8	H	-15.7	27.2	54.0
2434.000000	33.5	H	-14.3	20.5	54.0
4874.800000	37.5	H	-6.5	16.5	54.0

Figure 81: Radiated Spurious Emission, TM8, 1GHz to 7GHz, V

RE 1-18GHz HL050 FSV40 Pre


Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1540.000000	41.6	V	-18.6	32.4	74.0
2131.600000	46.2	V	-15.7	27.8	74.0
2269.000000	45.2	V	-15.1	28.8	74.0
2429.800000	40.9	V	-14.4	33.1	74.0
4874.800000	51.0	V	-6.5	23.0	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1540.000000	28.8	V	-18.6	25.2	54.0
2131.600000	30.5	V	-15.7	23.5	54.0
2269.000000	36.4	V	-15.1	17.6	54.0
2429.800000	32.6	V	-14.4	21.4	54.0
4874.800000	40.3	V	-6.5	13.7	54.0

Figure 82: Radiated Spurious Emission, TM8, 7GHz to 18GHz, H

RE 1-18GHz HL050 FSV40 Pre

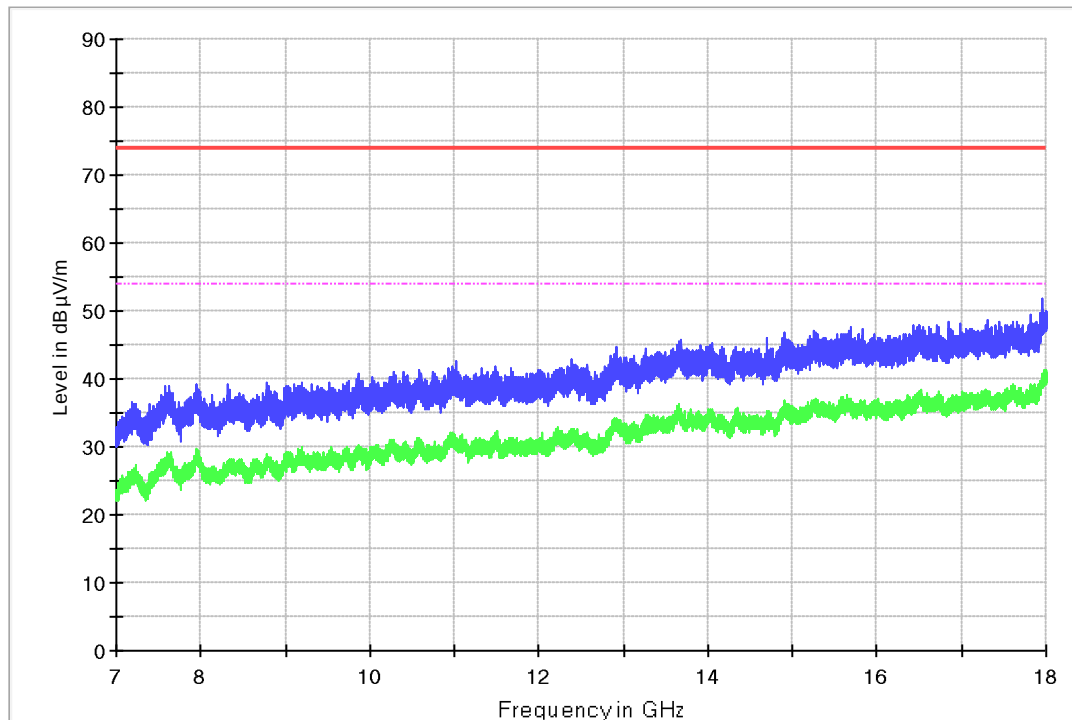


Figure 83: Radiated Spurious Emission, TM8, 7GHz to 18GHz, V

RE 1-18GHz HL050 FSV40 Pre

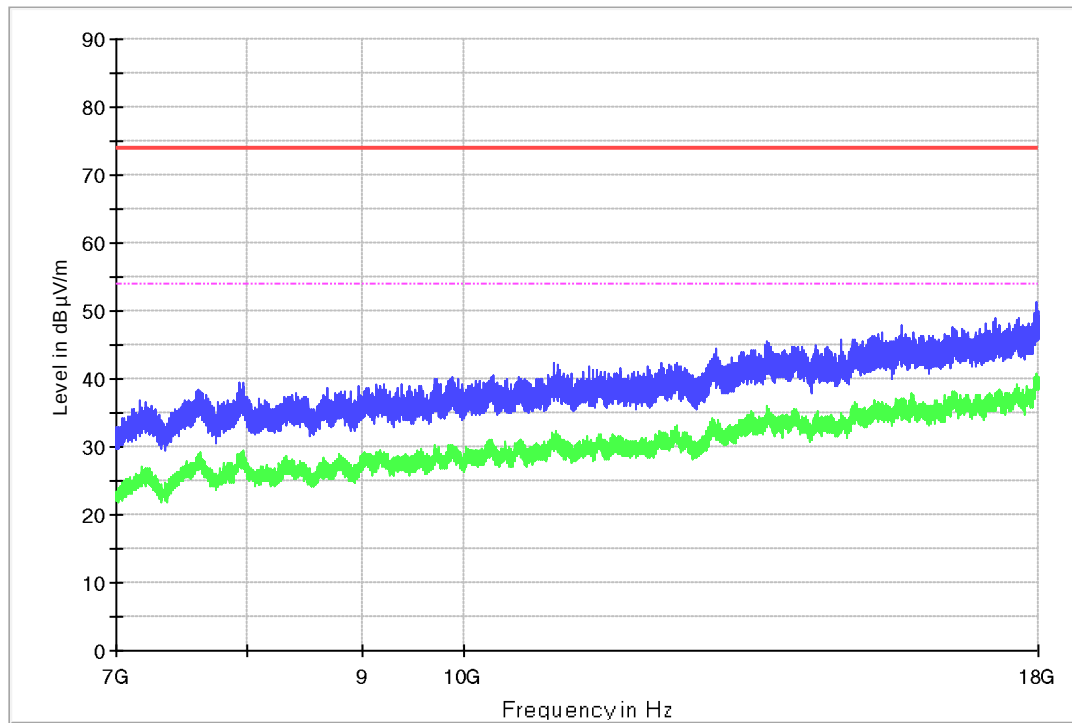


Figure 84: Radiated Spurious Emission, TM8, 18GHz to 25GHz, H

RE 18-40GHz 9170 FSV40 Pre

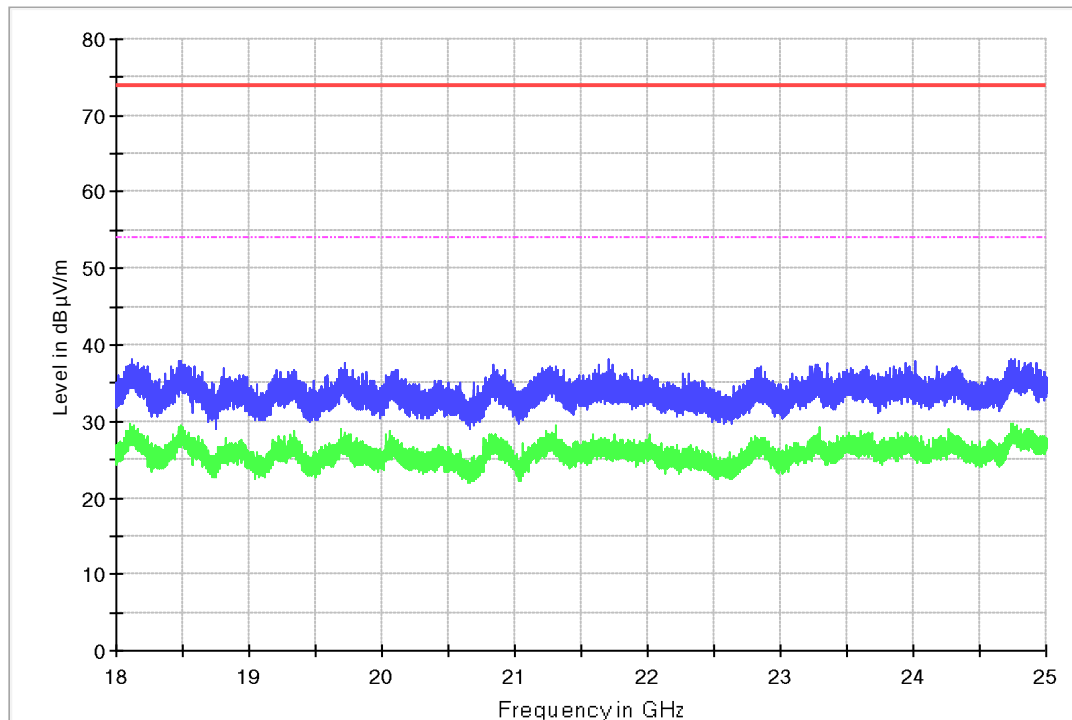


Figure 85: Radiated Spurious Emission, TM8, 18GHz to 25GHz, V

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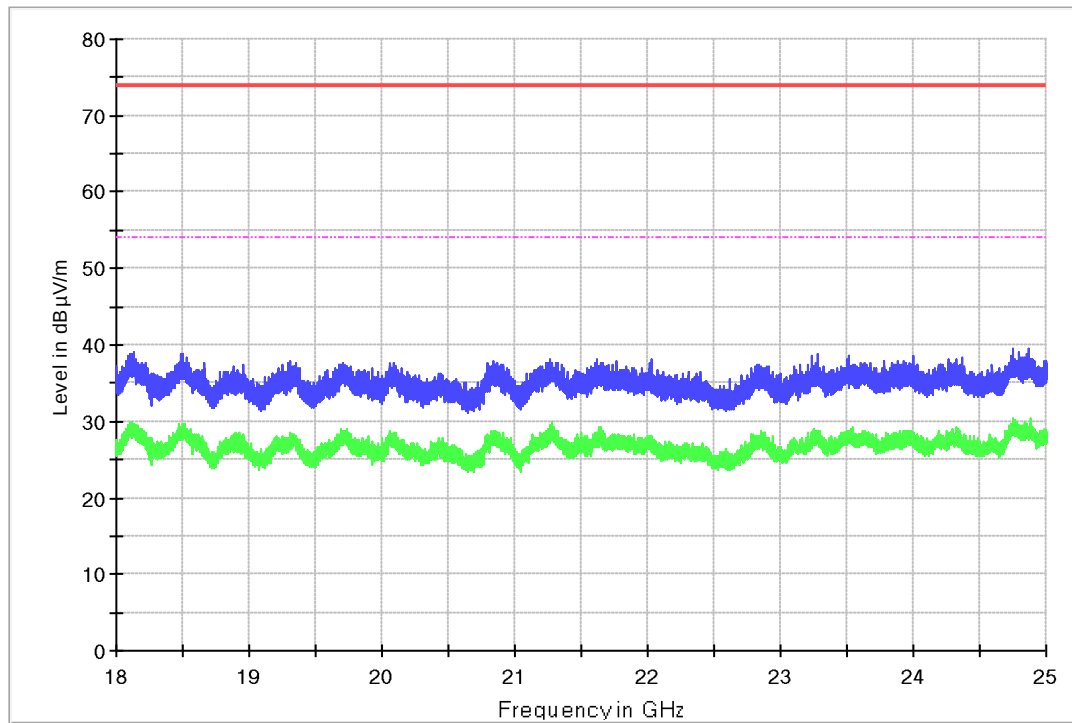
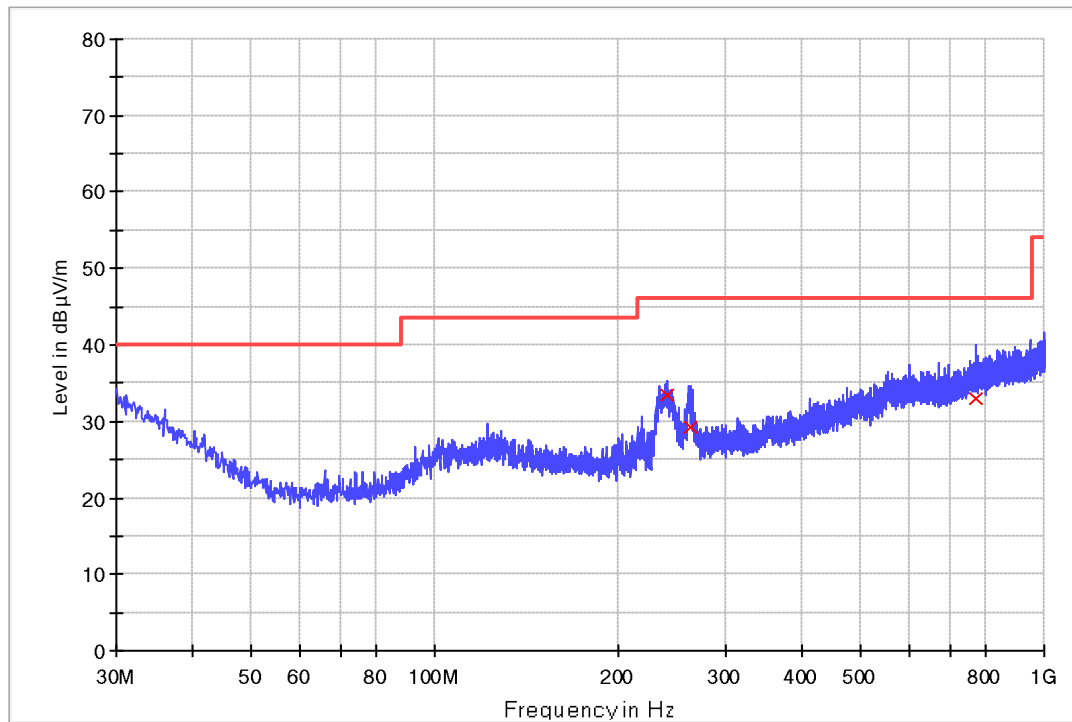


Figure 86: Radiated Spurious Emission, TM9, 30MHz to 1GHz, H

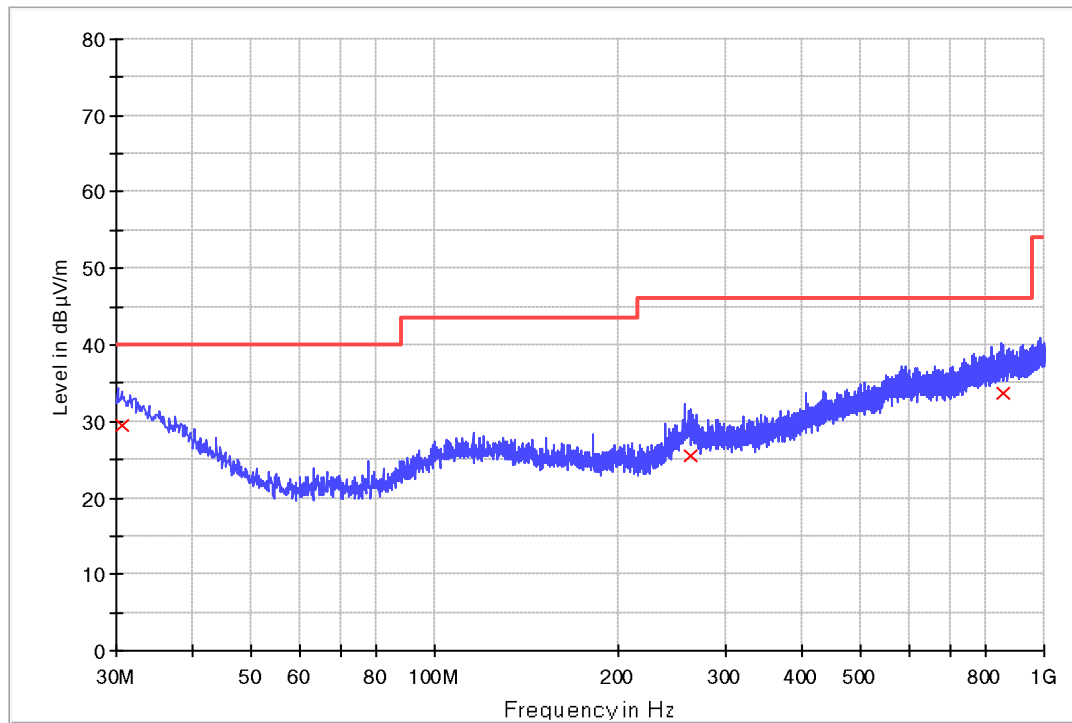
Radiated emission (30M-1GHz) 1 Range FCC


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
240.005000	33.4	H	18.1	12.6	46.0
262.315000	29.2	H	20.7	16.8	46.0
774.717500	32.9	H	27.2	13.1	46.0

Figure 87: Radiated Spurious Emission, TM9, 30MHz to 1GHz, V

Radiated emission (30M-1GHz) 1 Range FCC

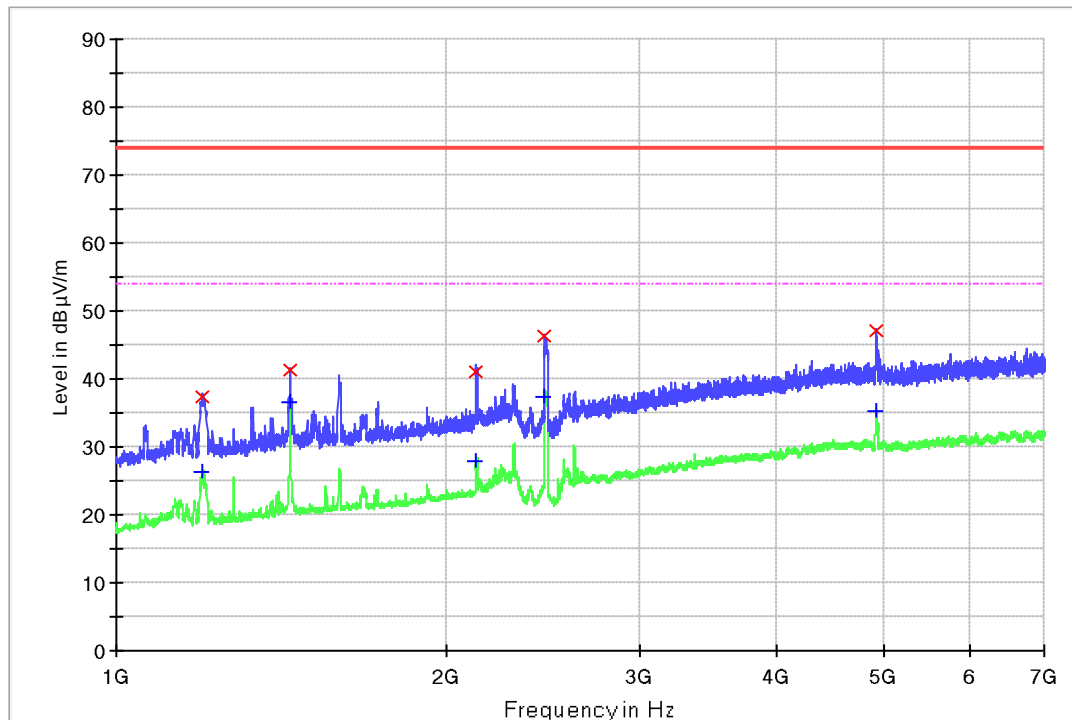


Limit and Margin

Frequency (MHz)	QuasiPeak (dBµV/m)	Pol	Corr. (dB)	Margin - QPK (dB)	Limit - QPK (dBµV/m)
30.606250	29.5	V	25.1	10.5	40.0
262.436250	25.4	V	20.7	20.6	46.0
854.742500	33.8	V	27.9	12.2	46.0

Figure 88: Radiated Spurious Emission, TM9, 1GHz to 7GHz, H

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Limit and Margin PK

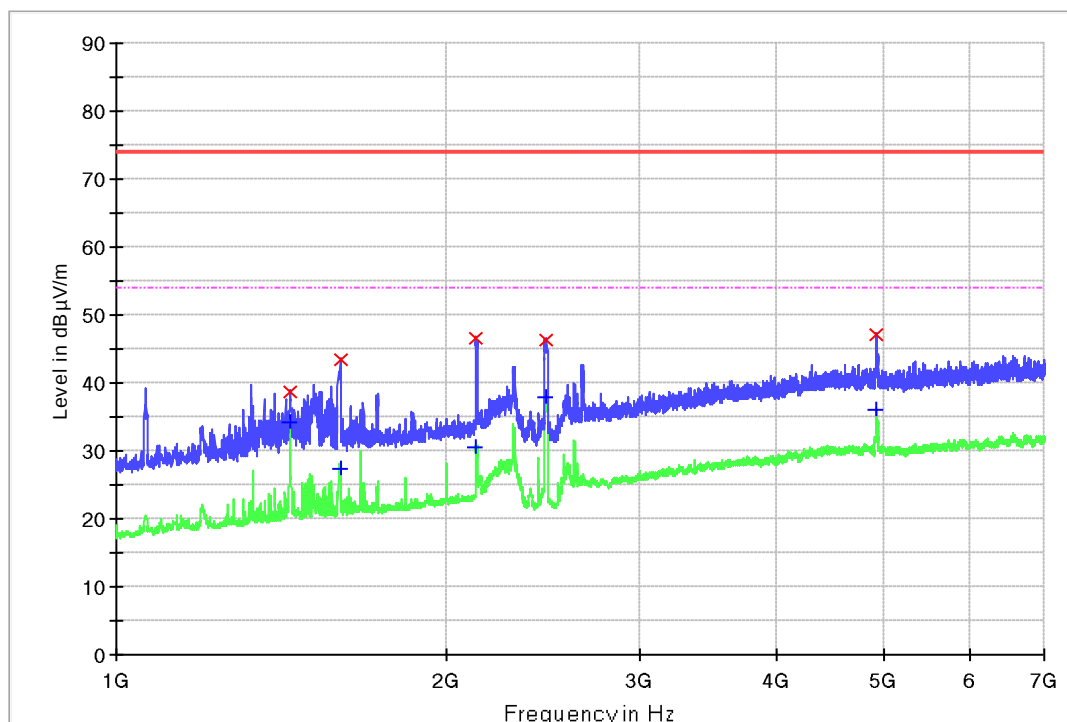
Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1199.800000	37.5	H	-21.2	36.5	74.0
1439.800000	41.3	H	-19.4	32.7	74.0
2129.200000	41.0	H	-15.7	33.0	74.0
2457.400000	46.3	H	-14.3	27.7	74.0
4925.200000	47.1	H	-6.6	26.9	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1199.800000	26.2	H	-21.2	27.8	54.0
1439.800000	36.6	H	-19.4	17.4	54.0
2129.200000	27.9	H	-15.7	26.1	54.0
2457.400000	37.4	H	-14.3	16.6	54.0
4925.200000	35.2	H	-6.6	18.8	54.0

Figure 89: Radiated Spurious Emission, TM9, 1GHz to 7GHz, V

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Limit and Margin PK

Frequency (MHz)	MaxPeak (dBµV/m)	Pol	Corr. (dB)	Margin - PK+ (dB)	Limit - PK+ (dBµV/m)
1439.200000	38.6	V	-19.4	35.4	74.0
1598.800000	43.5	V	-18.3	30.5	74.0
2126.200000	46.6	V	-15.8	27.4	74.0
2461.000000	46.3	V	-14.3	27.7	74.0
4929.400000	47.0	V	-6.6	27.0	74.0

Limit and Margin AV

Frequency (MHz)	Average (dBµV/m)	Pol	Corr. (dB)	Margin - AVG (dB)	Limit - AVG (dBµV/m)
1439.200000	34.2	V	-19.4	19.8	54.0
1598.800000	27.4	V	-18.3	26.6	54.0
2126.200000	30.5	V	-15.8	23.5	54.0
2461.000000	37.8	V	-14.3	16.2	54.0
4929.400000	36.1	V	-6.6	17.9	54.0

Figure 90: Radiated Spurious Emission, TM9, 7GHz to 18GHz, H

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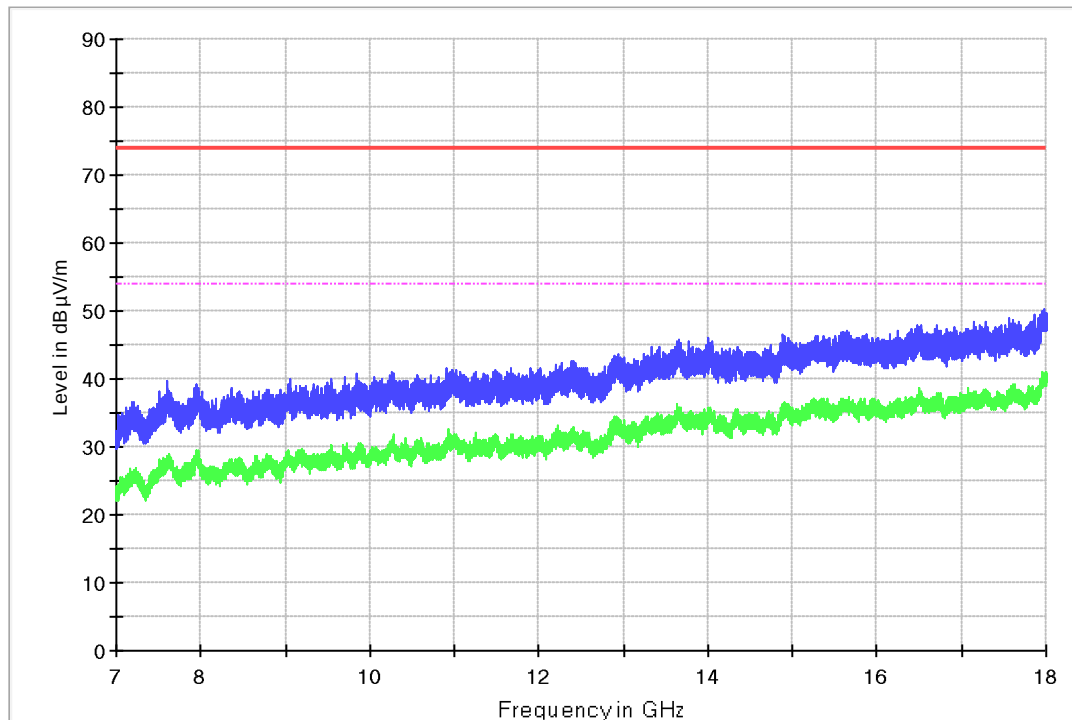


Figure 91: Radiated Spurious Emission, TM9, 7GHz to 18GHz, V

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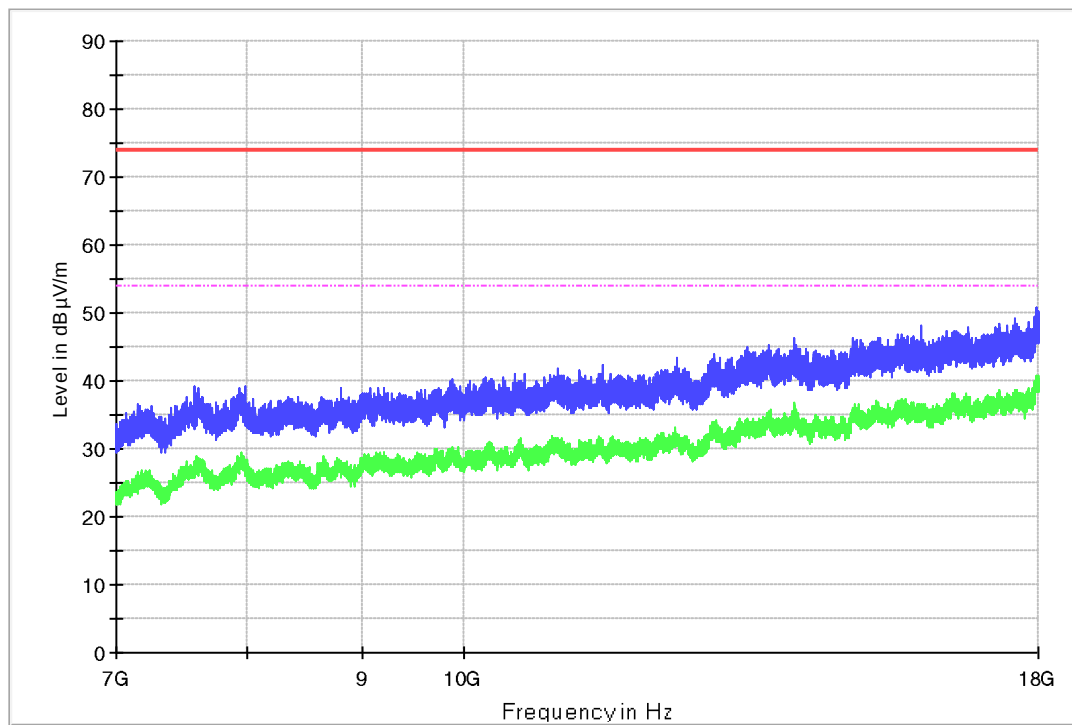


Figure 92: Radiated Spurious Emission, TM9, 18GHz to 25GHz, H

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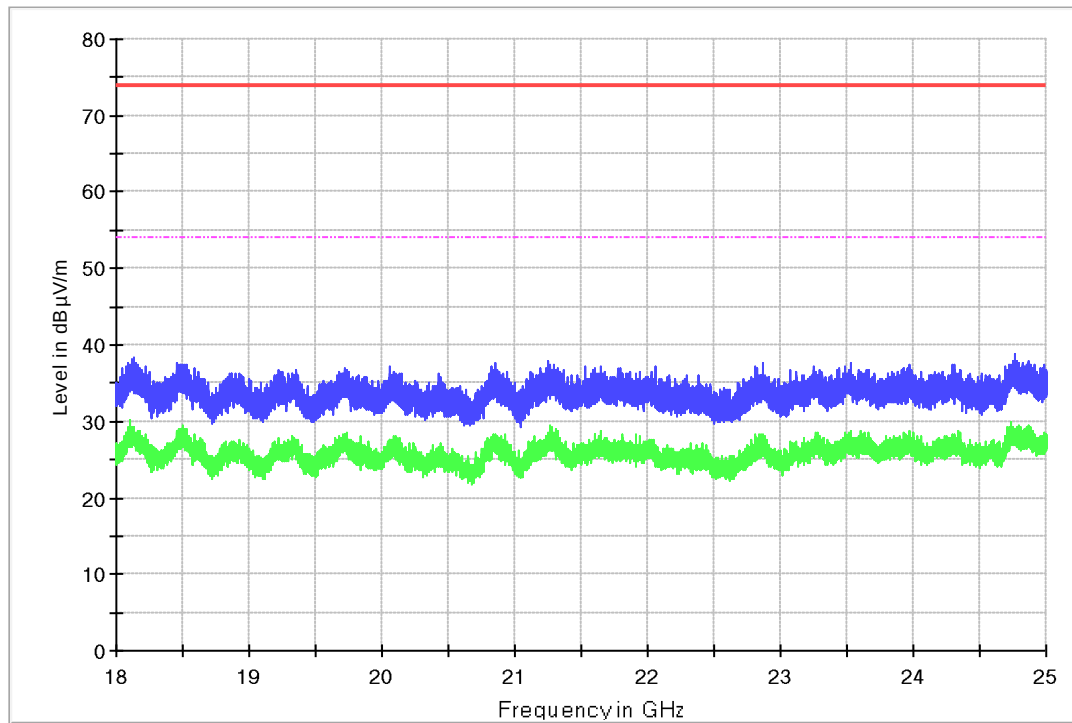
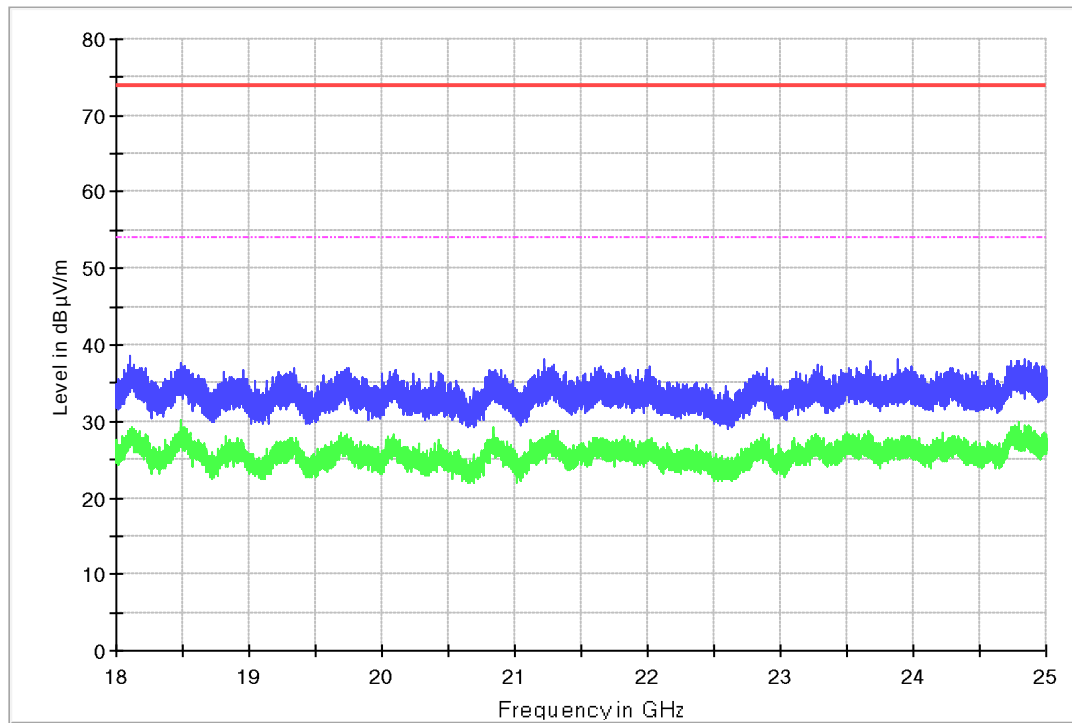


Figure 93: Radiated Spurious Emission, TM9, 18GHz to 25GHz, V

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