







Appendix H: Radiated Spurious Emission & Spurious in Restricted Band

Note: We tested all modes, but the data presented below is the worst case. Below 1GHz, RBW = 100 kHz, VBW = 300 kHz.

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

The simultaneous transmission has been considered

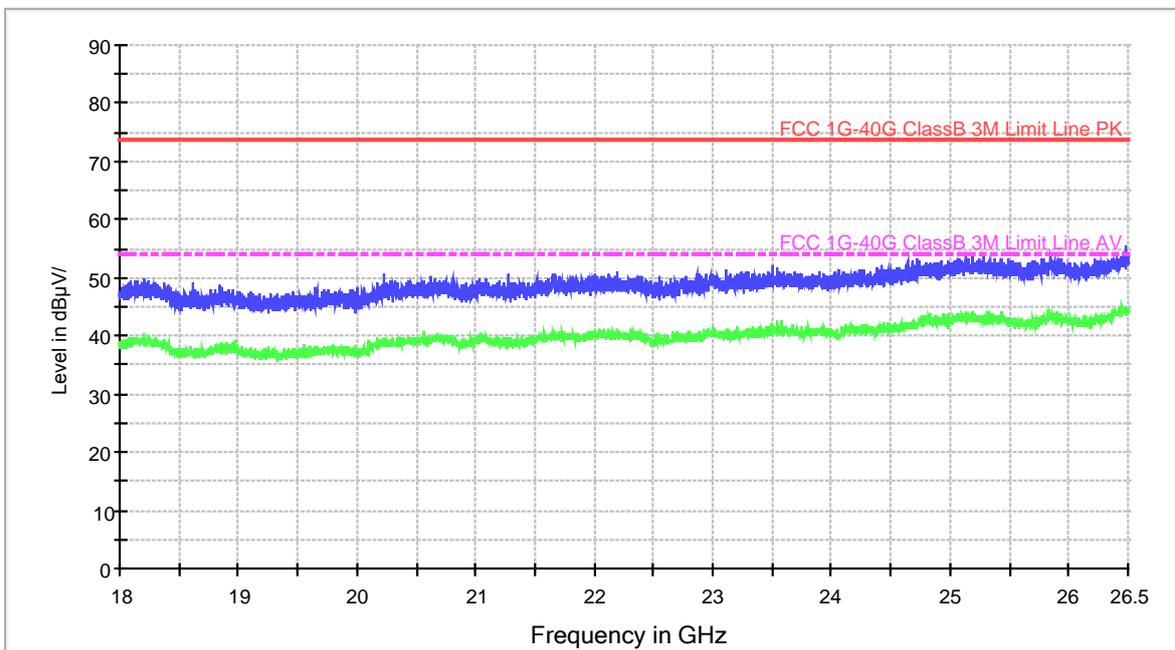
Part 1: Testing Range of “9 kHz to 1GHz”

NOTE1: No peak found in the Test Range of “9 kHz to 1GHz”

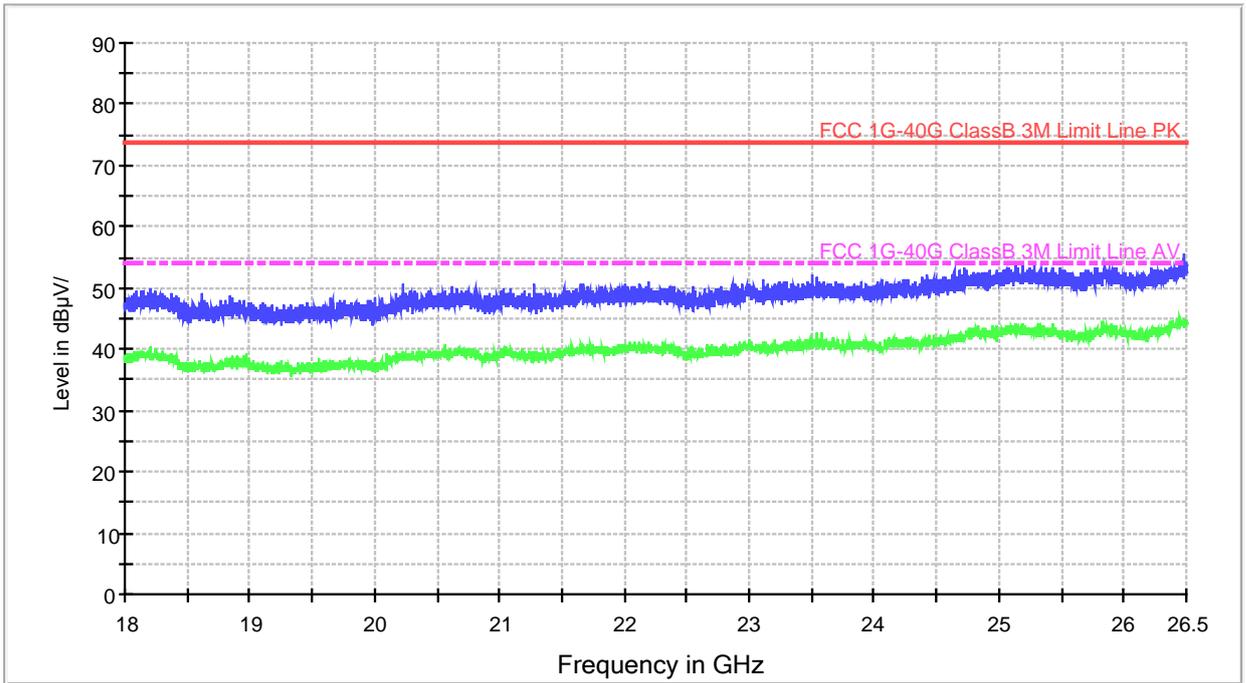
Part 2: Testing Range of “18 GHz to 26.5 GHz”

Note: No peak found in pre- test.

FOR 0.8m



FOR 1.5m





Part 3: Testing Range of “1GHz to 18GHz”

- Note 1: The testing range of “1 GHz to 18 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands.
- Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).
- Note 3: The peak spike exceeds the limit line is EUT's operating frequency.

FOR 0.8m

Test Mode: 11b

Channel 1

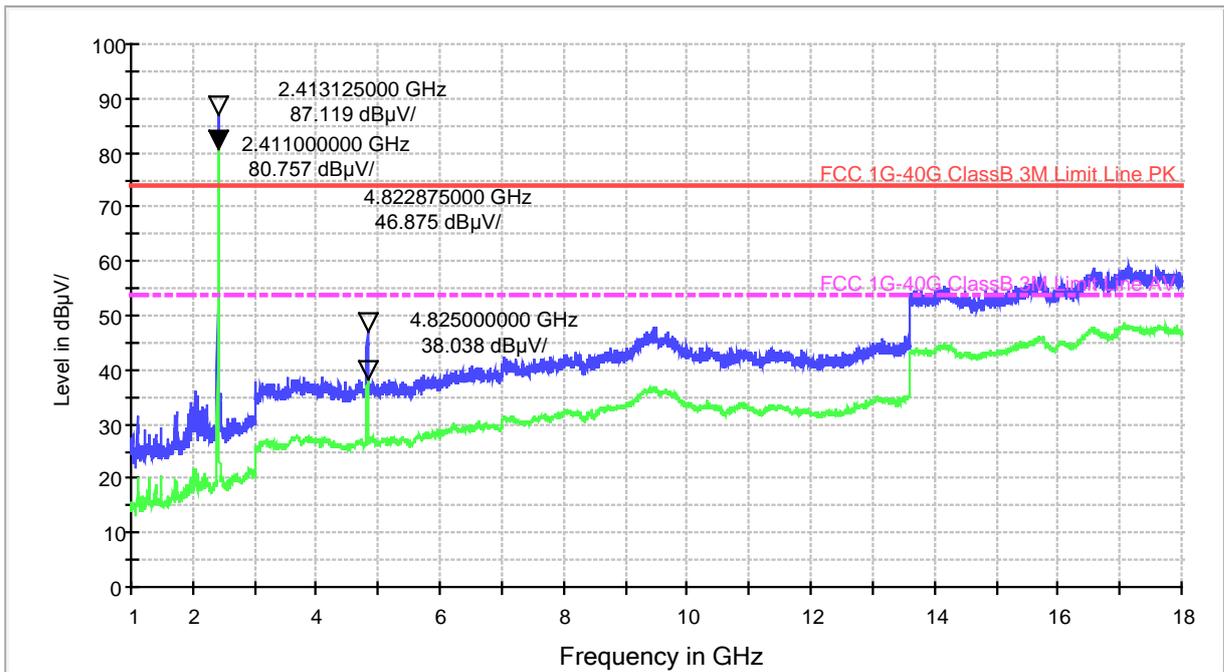
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4822.000	45.3	---	37.4	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4822.000	100.0	1000.000	205.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Channel 11

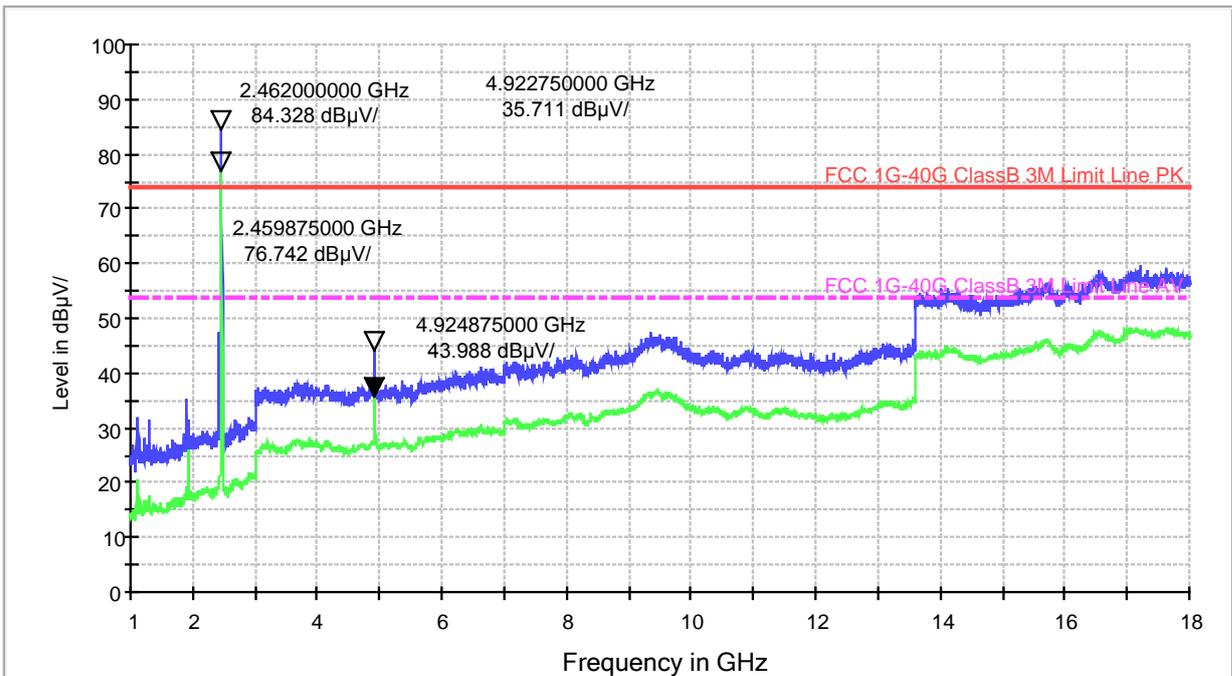
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4922.200	42.7	---	34.4	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarity	Turntable position	Corr. (dB)	Comment
4922.200	100.0	1000.000	205.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Test Mode: 11g

Channel 1

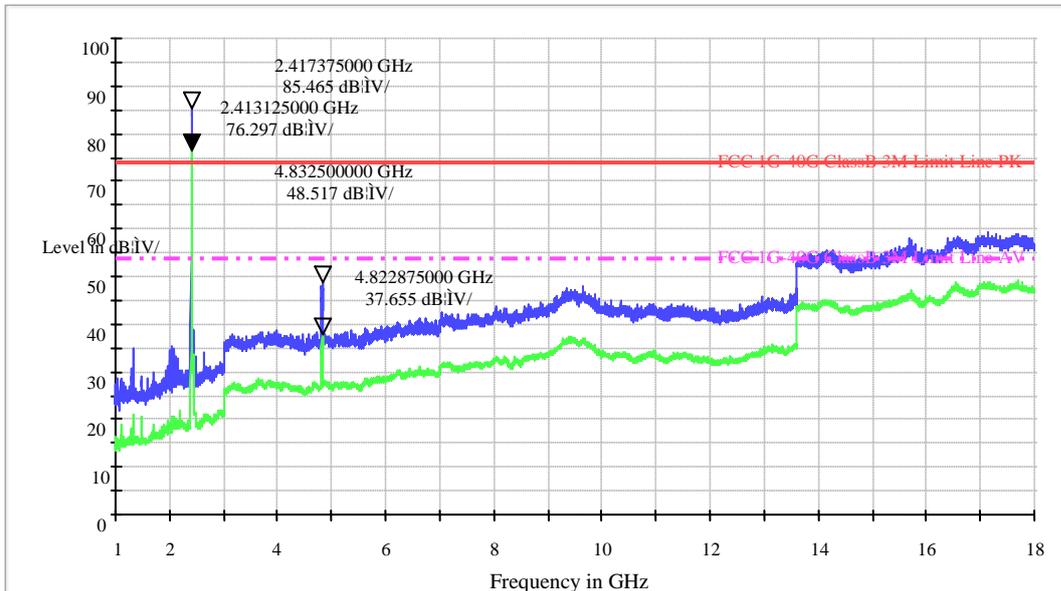
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4822.000	47.6	---	36.2	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarity	Turntable position	Corr. (dB)	Comment
4822.000	100.0	1000.000	175.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep





Channel 11

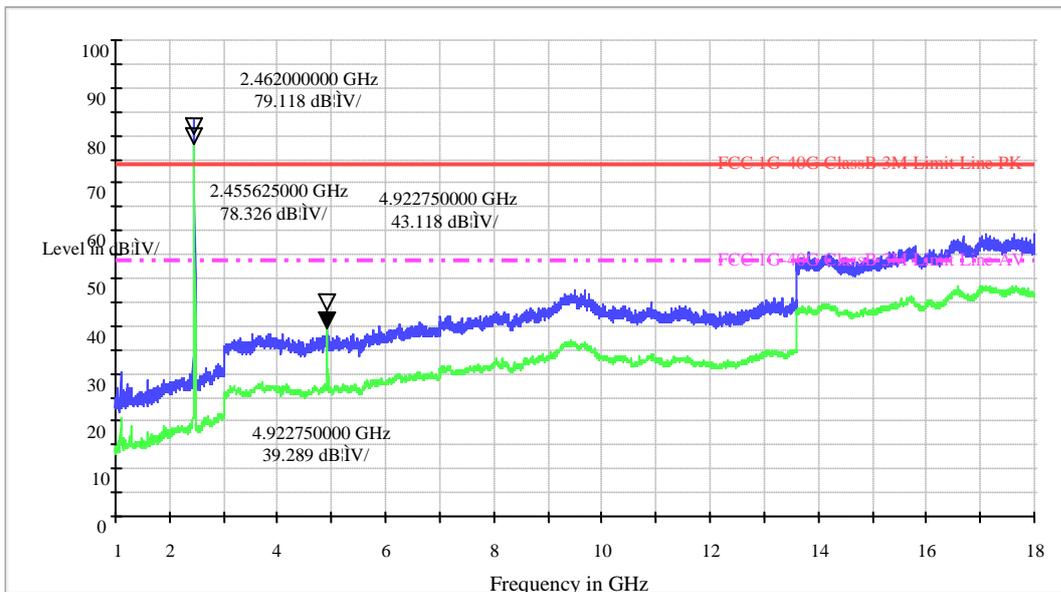
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4922.000	42.4	---	38.2	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4922.0000	100.0	1000.000	145.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Test Mode: 11N20

Channel 1

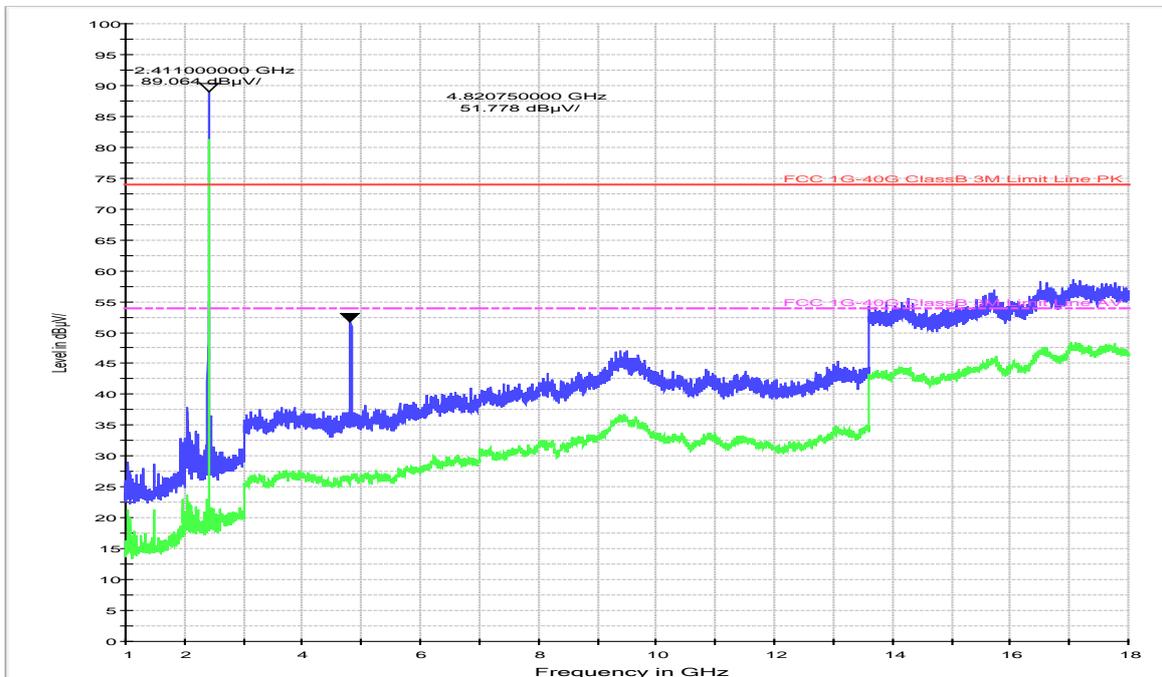
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4824.000	50.6	---	35.7	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarity	Turntable position	Corr. (dB)	Comment
4824.000	100.0	1000.000	165.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Channel 11

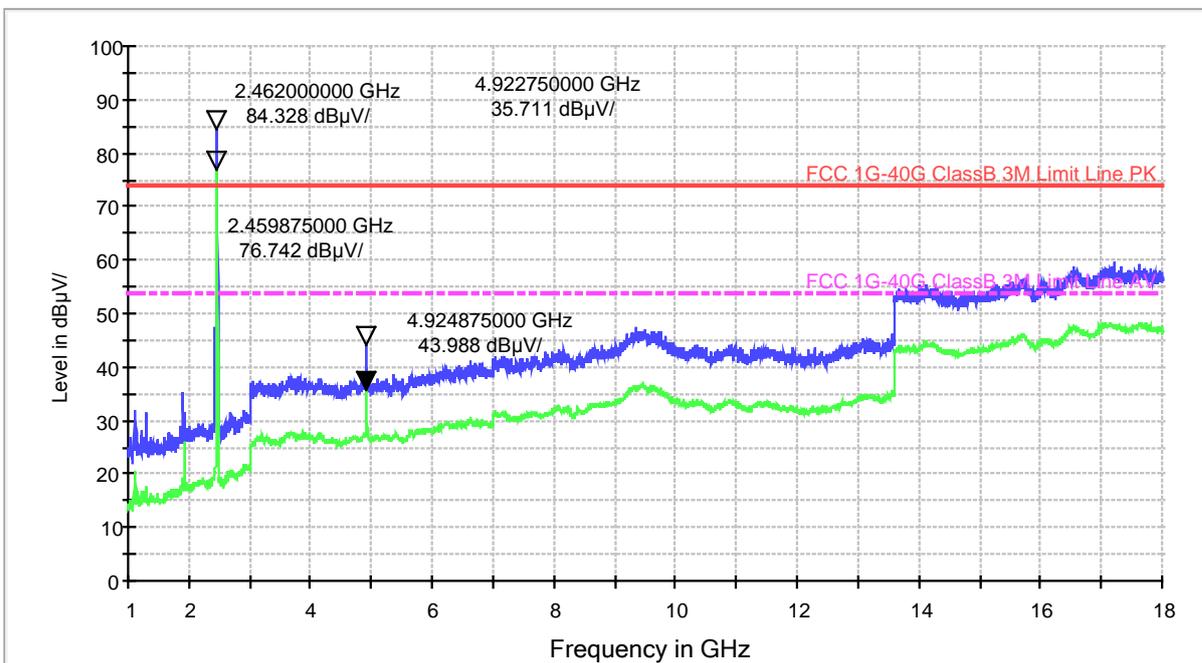
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4924.000	42.5	---	34.8	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarity	Turntable position	Corr. (dB)	Comment
4924.0000	100.0	1000.000	195.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep





Test Mode: 11N20M

Channel 1

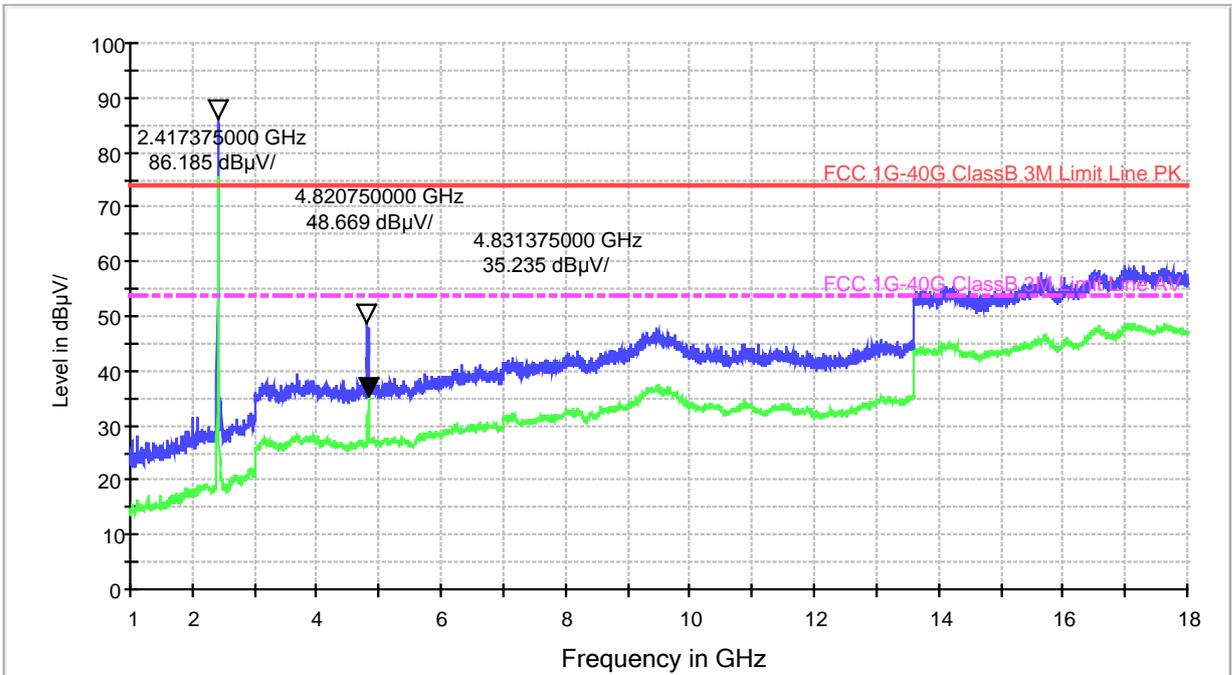
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4820.000	47.6	---	34.8	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarity	Turntable position	Corr. (dB)	Comment
4820.000	100.0	1000.000	155.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Channel 11

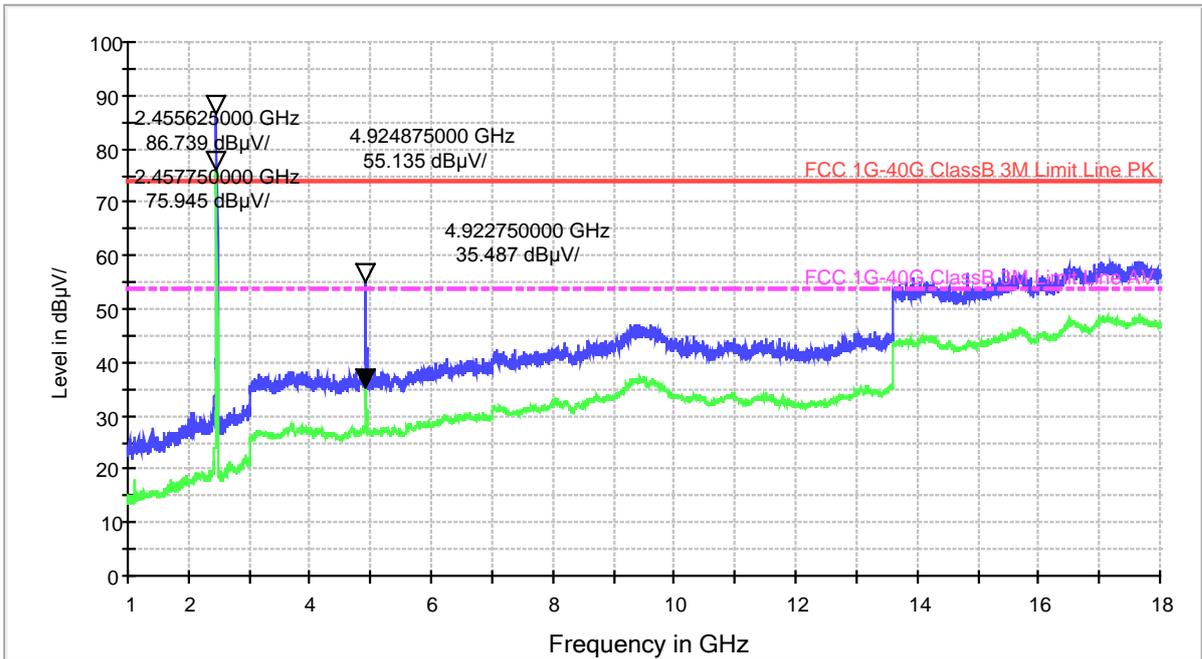
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4924.000	54.3	---	34.7	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Corr. (dB)	Comment
4924.000	100.0	1000.000	195.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Test Mode: 11N40

Channel 3

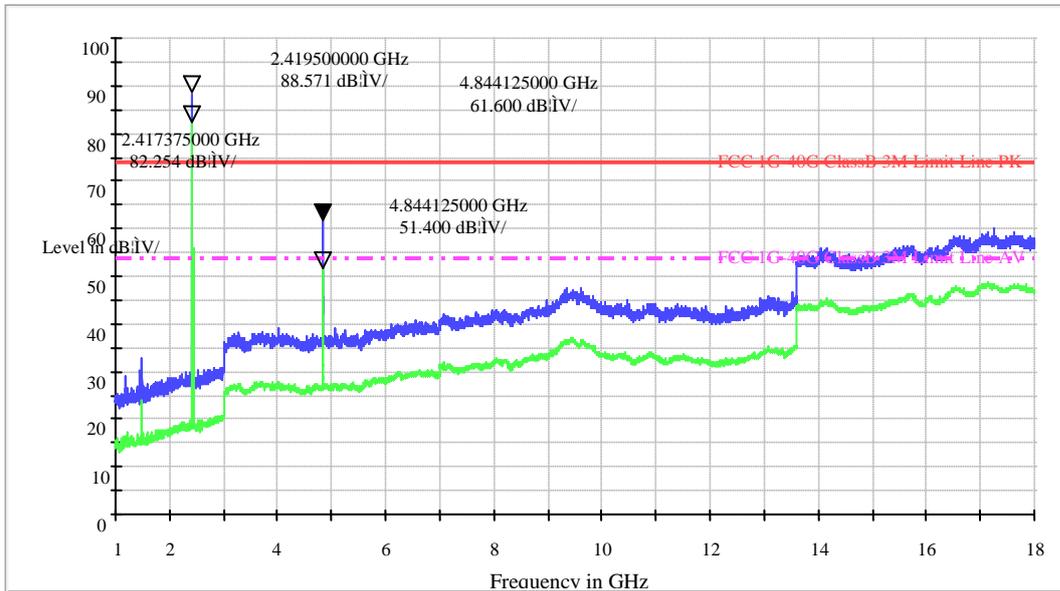
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4844.000	60.3	---	50.5	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4844.000	100.0	1000.000	155.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Channel 9

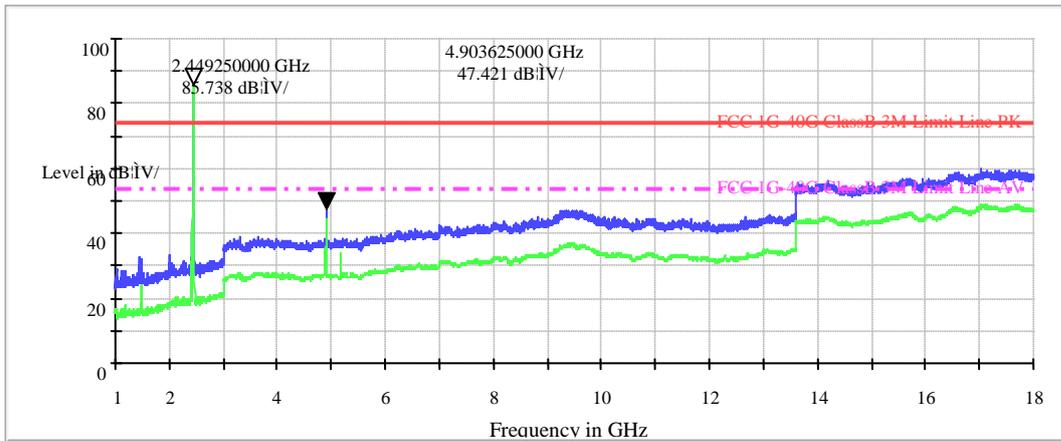
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4903.600	47.1	---	43.5	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4903.600	100.0	1000.000	155.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Test Mode: 11N40M

Channel 3

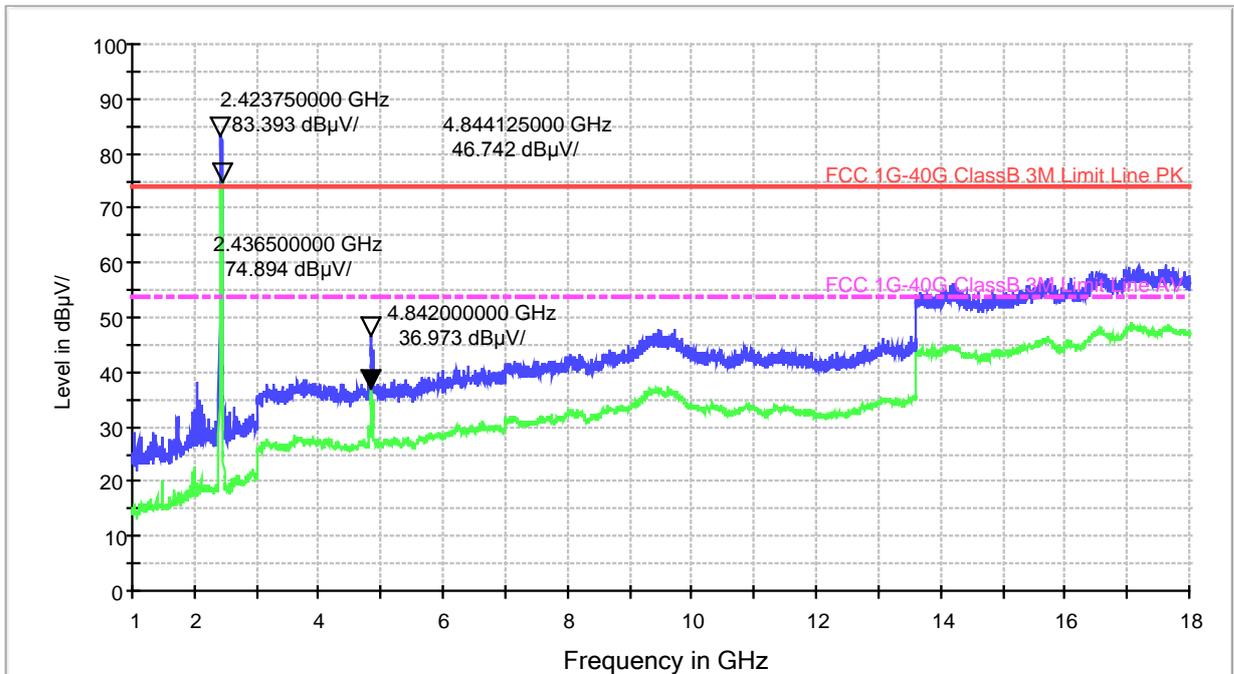
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4844.000	45.3	---	35.6	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Corr. (dB)	Comment
4844.000	100.0	1000.000	105.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Channel 9

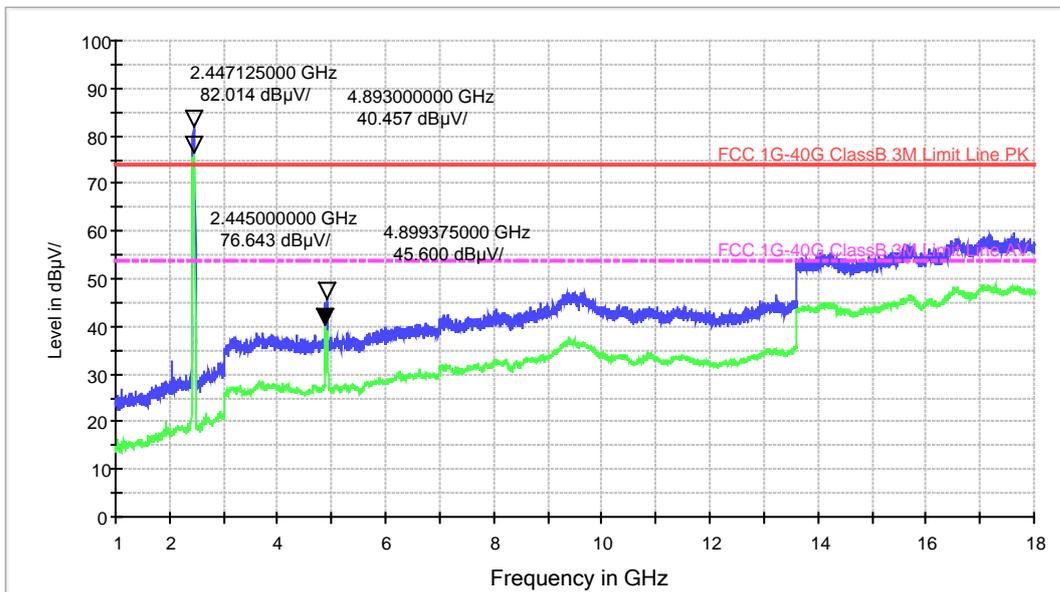
Limt and Margin_pk

Frequency (MHz)	MaxPeak (dB μ V)	QuasiPeak (dB μ V)	Average (dB μ V/m)	RMS (dB μ V/m)	MinPeak (dB μ V)	CAverage (dB μ V)	CRMS (dB μ V/m)	ACVideo (dB μ V)
4898.000	44.6	---	39.4	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height (cm)	Polarization	Turntable position	Correction (dB)	Comment
4898.0000	100.00	1000.000	165.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep





FOR 1.5m

Test Mode: 11b

Channel 1

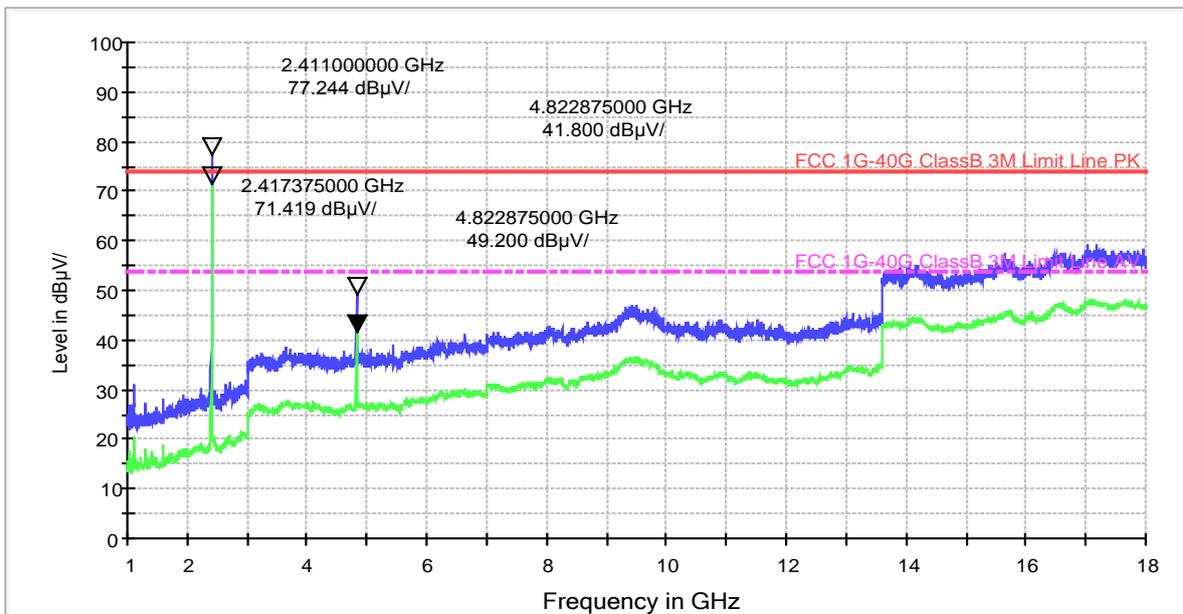
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4822.000	48.5	---	40.6	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4822.000	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Channel 11

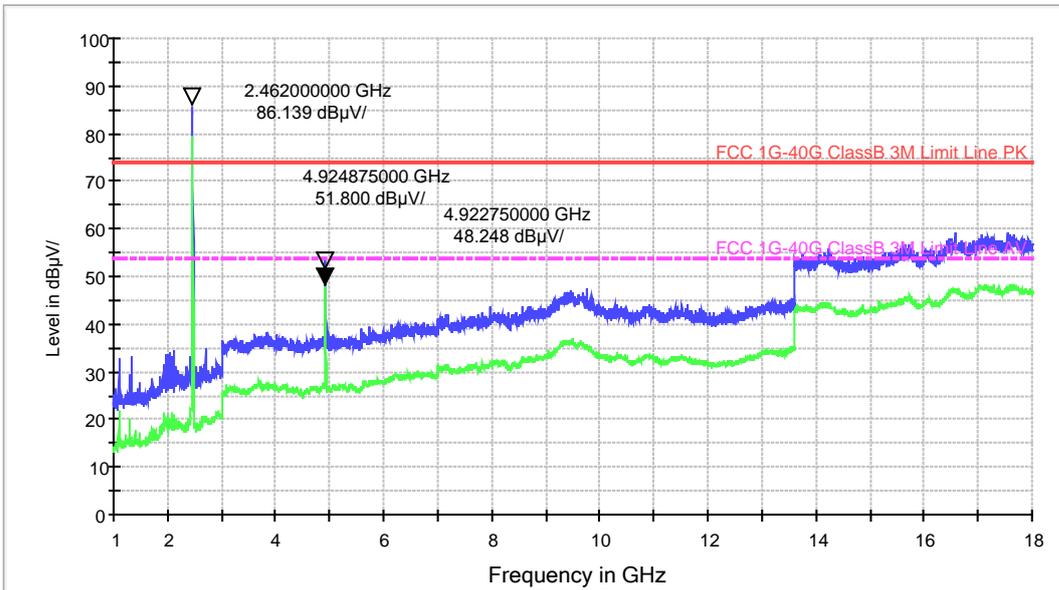
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4922.200	50.7	---	47.6	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4922.200	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Test Mode: 11g

Channel 1

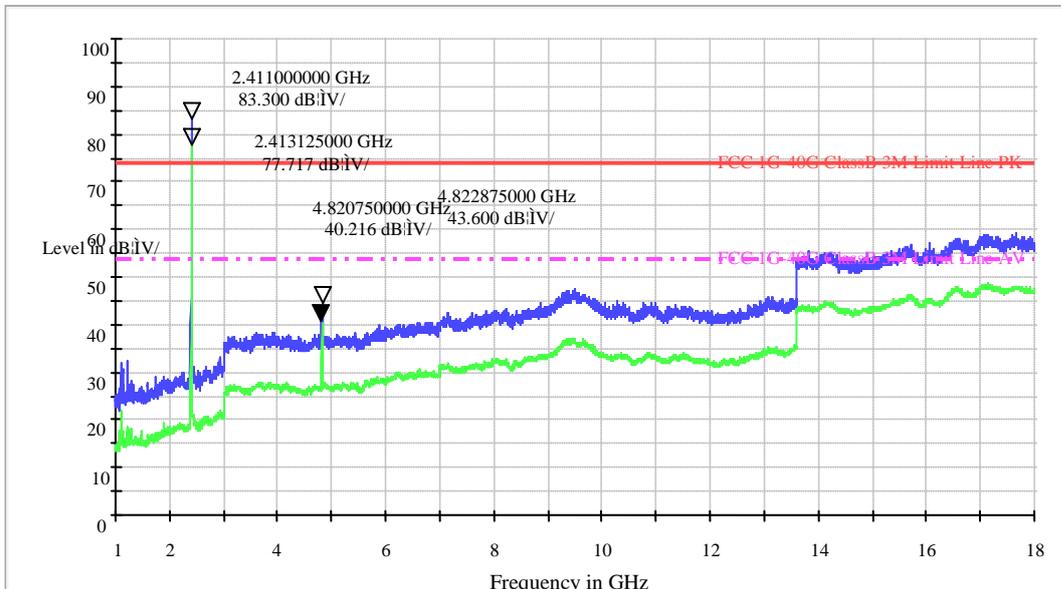
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4822.000	429	---	39.5	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4822.000	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Channel 11

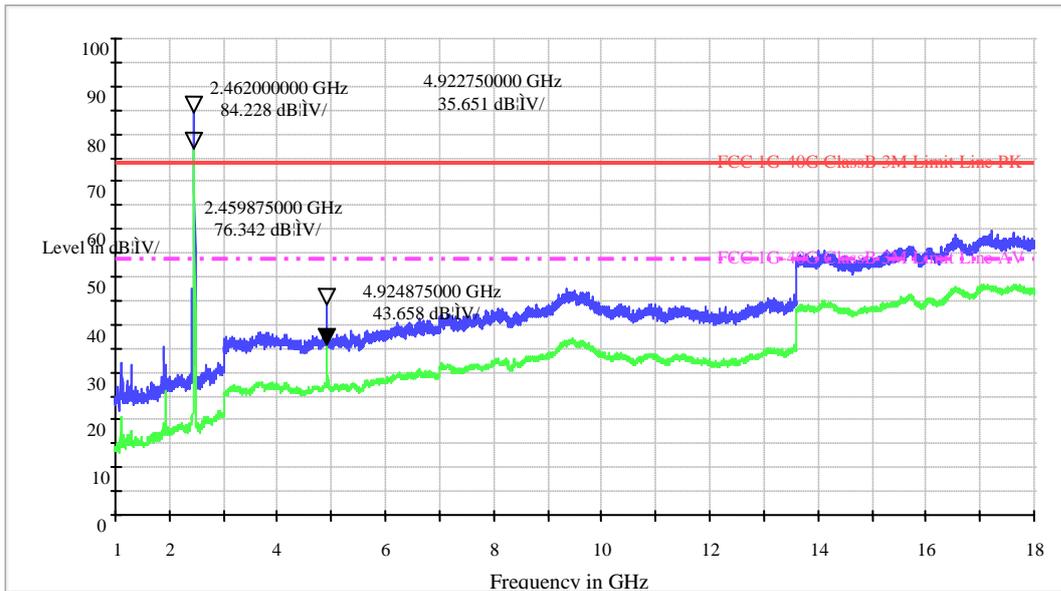
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4922.200	42.6	---	34.8	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4922.200	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Test Mode: 11N20

Channel 1

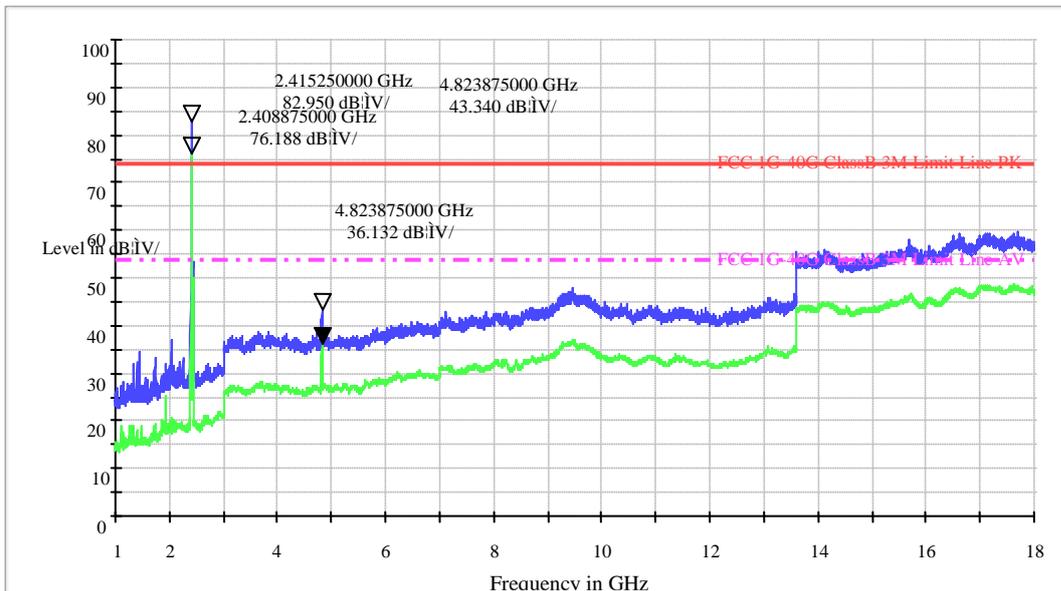
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4822.000	42.6	---	35.7	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4822.000	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Channel 11

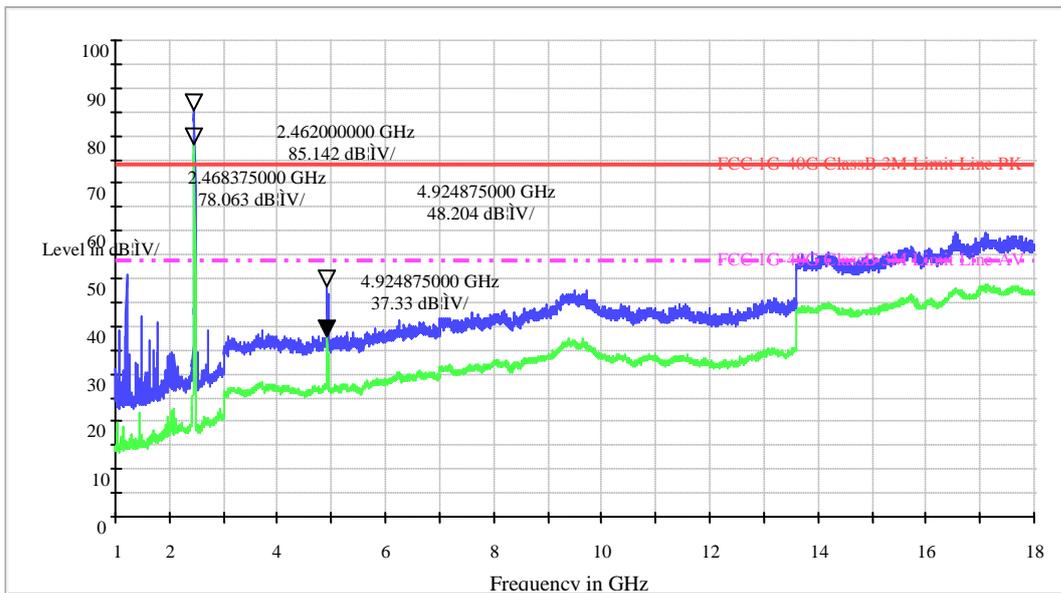
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4923.000	47.8	---	36.3	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Corr. (dB)	Comment
4923.000	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Test Mode: 11N20M

Channel 1

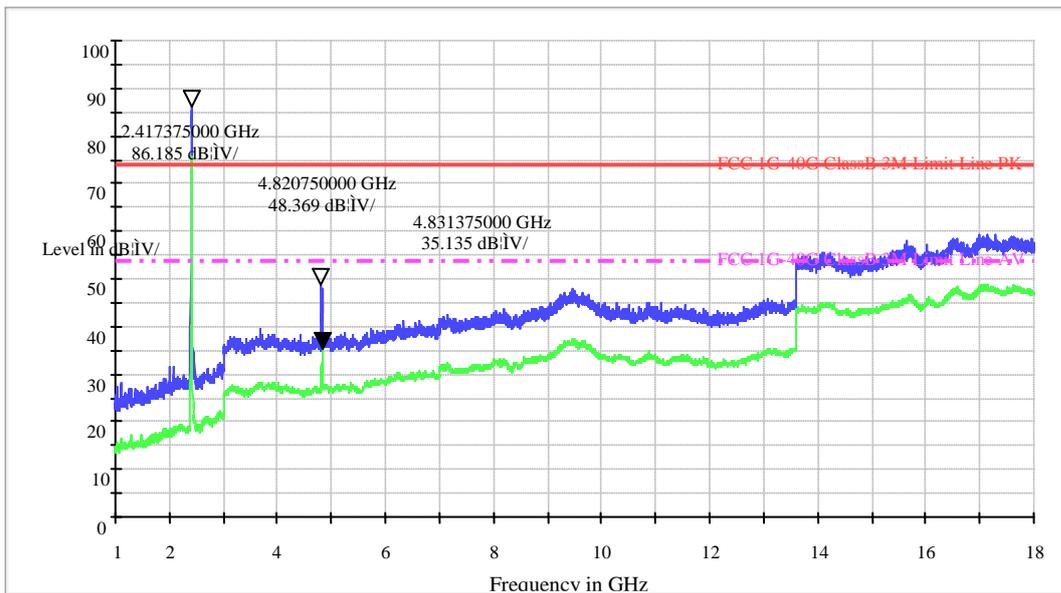
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4821.000	47.8	---	34.9	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4821.000	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep





Channel 11

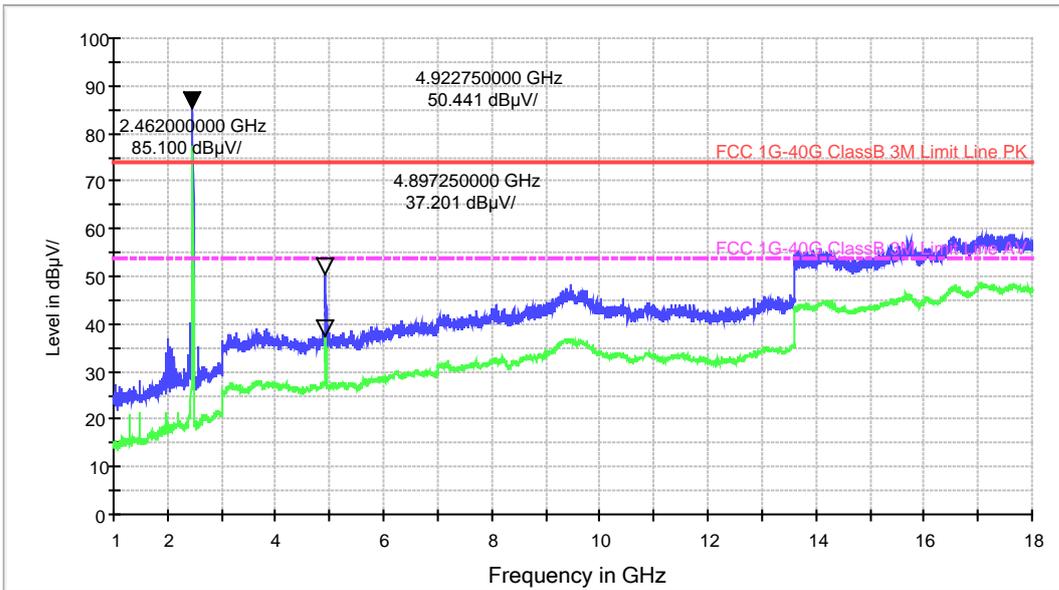
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4922.000	49.3	---	36.7	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4922.000	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Test Mode: 11N40

Channel 3

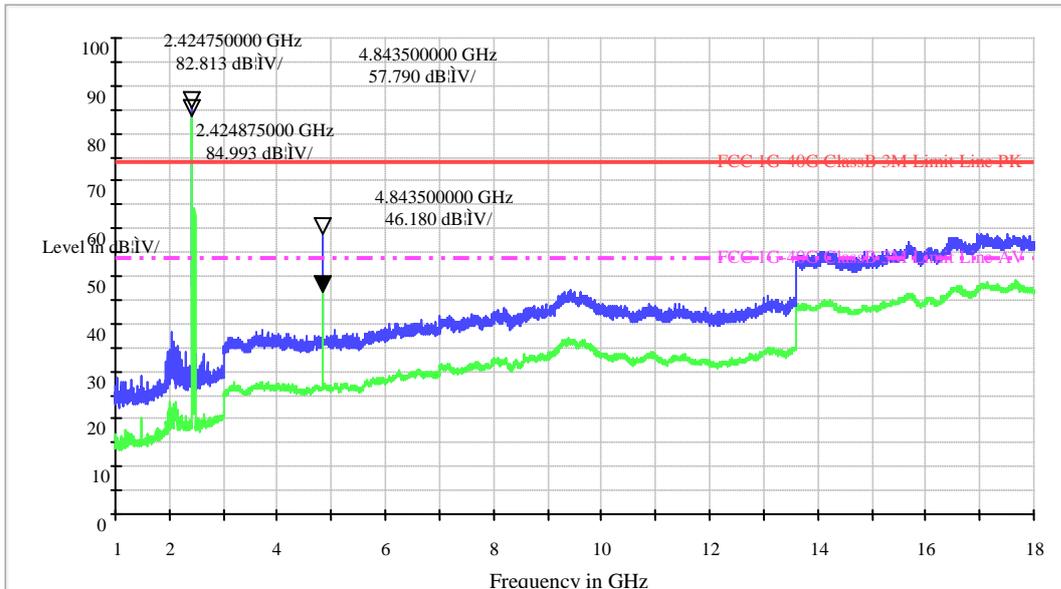
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4843.000	56.8	---	45.7	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Corr. (dB)	Comment
4843.000	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep





Channel 9

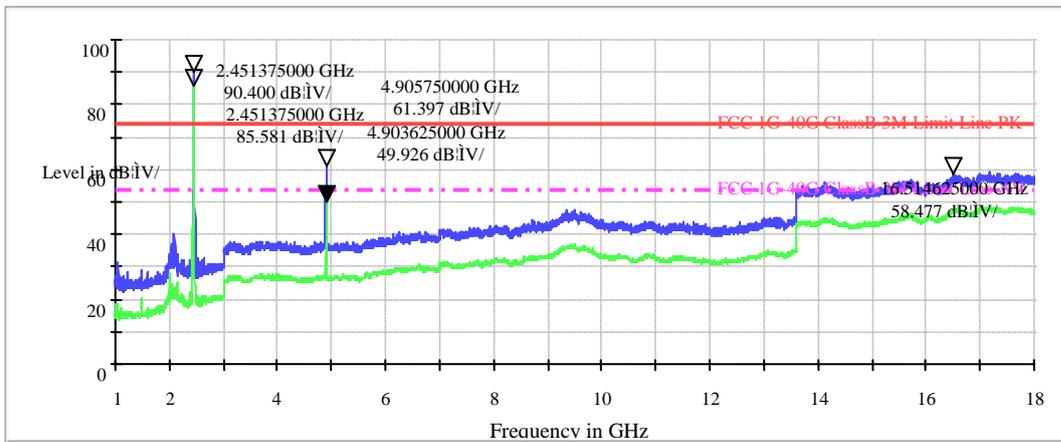
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4904.800	60.7	---	48.9	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarity	Turntable position	Corr. (dB)	Comment
4904.800	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Test Mode: 11N40M

Channel 3

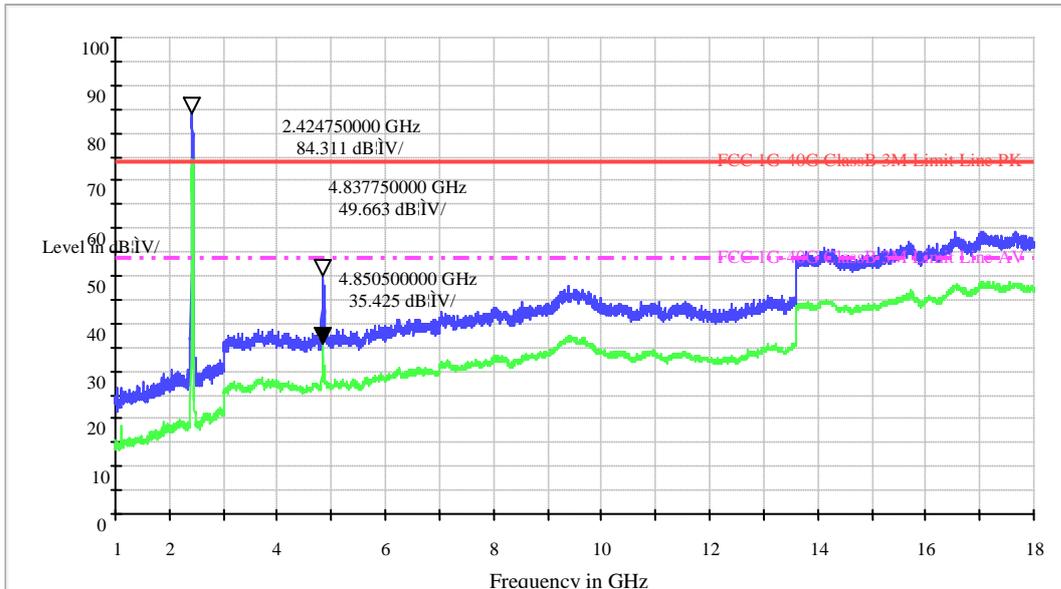
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4837.000	48.6	---	34.7	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarity	Turntable position	Corr. (dB)	Comment
4837.000	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep



Channel 9

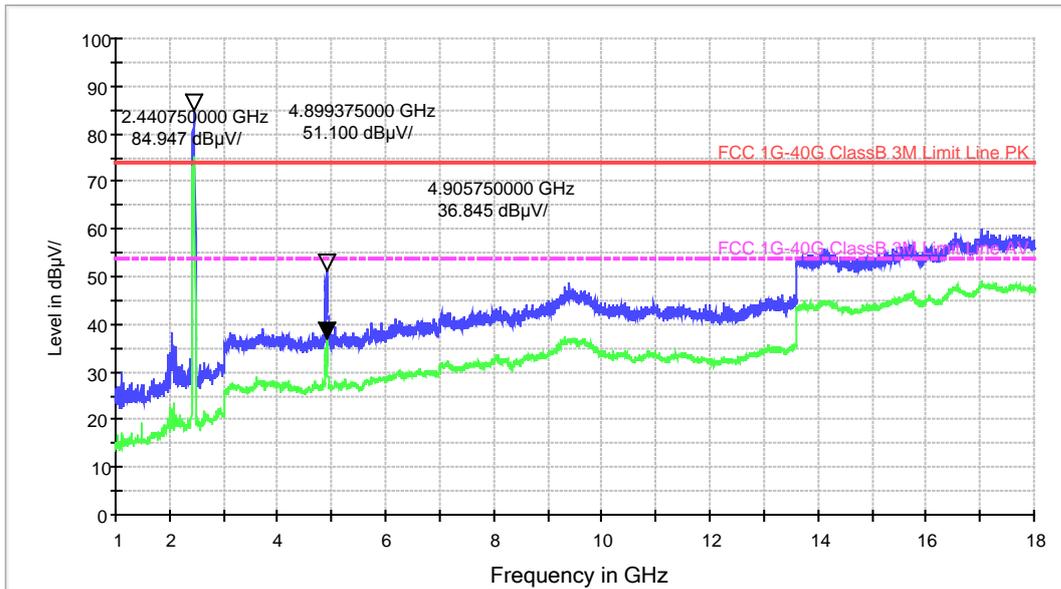
Limt and Margin_pk

Frequency	MaxPeak	QuasiPeak	Average (dB μ)	RMS (dB μ)	MinPeak	CAverage	CRMS (dB μ)	ACVideo
4900.000	50.8	---	35.7	---	---	---	---	---

(continuation of the "Limt and Margin_pk" table from column 9 ...)

Frequency (MHz)	Meas. Time (ms)	Bandwidth (kHz)	Antenna height	Polarization	Turntable position	Correction (dB)	Comment
4900.000	100.0	1000.000	150.0	H	0.0	-3.7	

EMI_3M_1-18G_Sweep

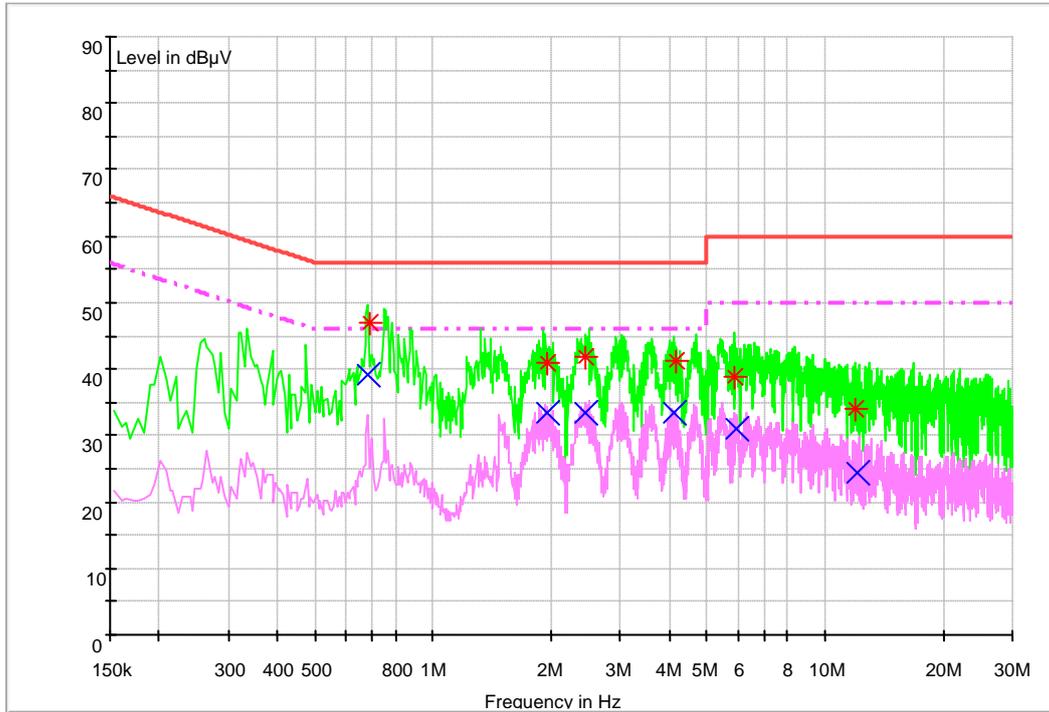




Appendix I: Conducted Emission at Power Port

Note: RBW =9 kHz, VBW = 30 kHz

Channel 6



MEASUREMENT RESULT: QP Detector

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBµV	dB	dBµV	dB		
0.685976	47.0	9.7	56.0	9.0	N	FLO
1.959285	41.0	9.7	56.0	15.0	L1	FLO
2.434166	41.7	9.7	56.0	14.3	L1	FLO
4.168444	41.3	9.8	56.0	14.7	L1	FLO
5.881332	39.0	9.8	60.0	21.0	N	FLO
11.935500	33.9	10.0	60.0	26.1	L1	FLO

MEASUREMENT RESULT: AV Detector

Frequency	Level	Transd	Limit	Margin	Line	PE
MHz	dBµV	dB	dBµV	dB		
0.677764	39.1	9.7	46.0	6.9	L1	FLO
1.964336	33.4	9.7	46.0	12.6	L1	FLO
2.454312	33.5	9.7	46.0	12.5	L1	FLO
4.107397	33.4	9.8	46.0	12.6	L1	FLO
5.923275	31.1	9.8	50.0	18.9	N	FLO
12.050302	24.3	10.0	50.0	25.7	L1	FLO

END