

Appendix T: Test Results of Field Strength of Spurious Radiation

Contents

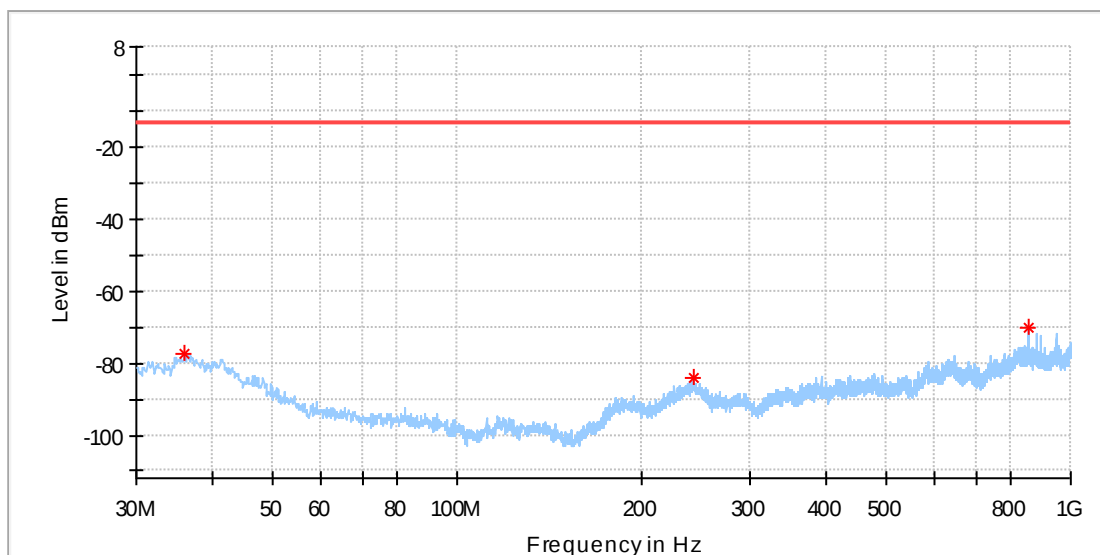
1. TRANSMITTER SPURIOUS EMISSIONS, BELOW 1GHz.....	2
2. TRANSMITTER SPURIOUS EMISSIONS ABOVE 1GHz.....	8

Note: 1, Testing is carried out with frequency rang 9kHz to the tenth harmonics.
2, The margin is greater than 20 dB are not shown in this Appendix.
3, All GSM/WCDMA/LTE bands and configurations have been tested and only the worst case mode reported.

1. Transmitter Spurious Emissions, Below 1GHz

GSM

GSM850_GMSK_High Channel

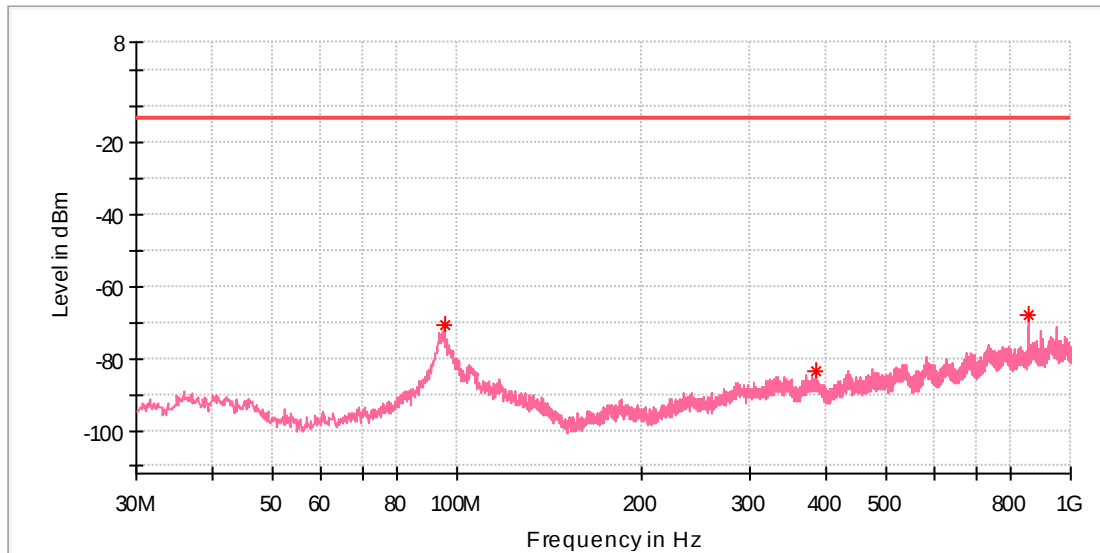


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
35.941250	-77.47	---	-13.00	64.47	100.0	H	73.0	-113.4
242.793750	-84.31	---	-13.00	71.31	100.0	H	233.0	-110.0
852.560000	-70.15	---	-13.00	57.15	100.0	H	213.0	-100.2

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
95.232500	-70.86	---	-13.00	57.86	100.0	V	181.0	-99.8
384.898750	-83.29	---	-13.00	70.29	100.0	V	315.0	-111.2
851.590000	-68.07	---	-13.00	55.07	100.0	V	63.0	-102.2

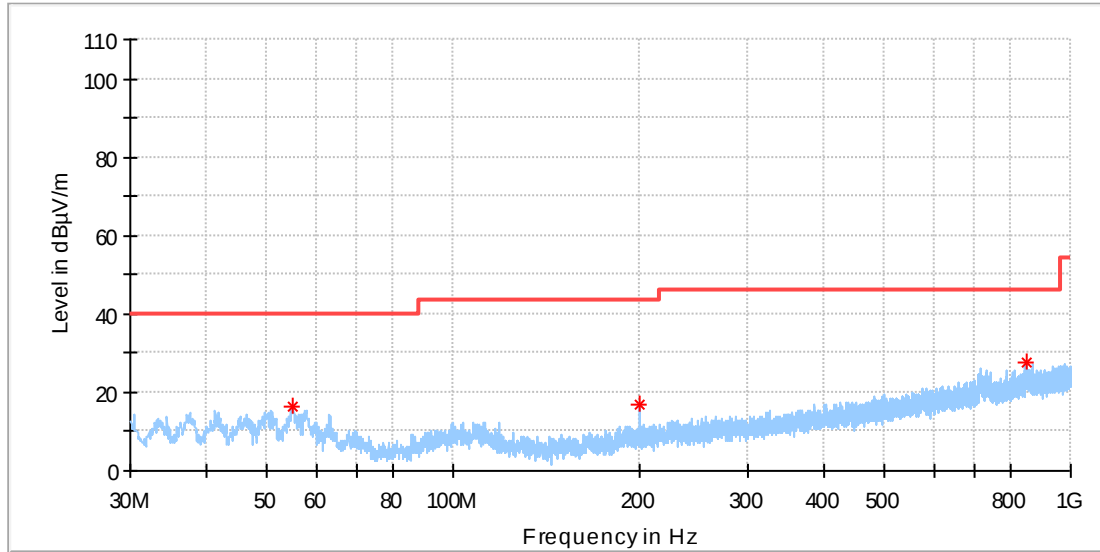
Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---		---	---

Produkte
Products

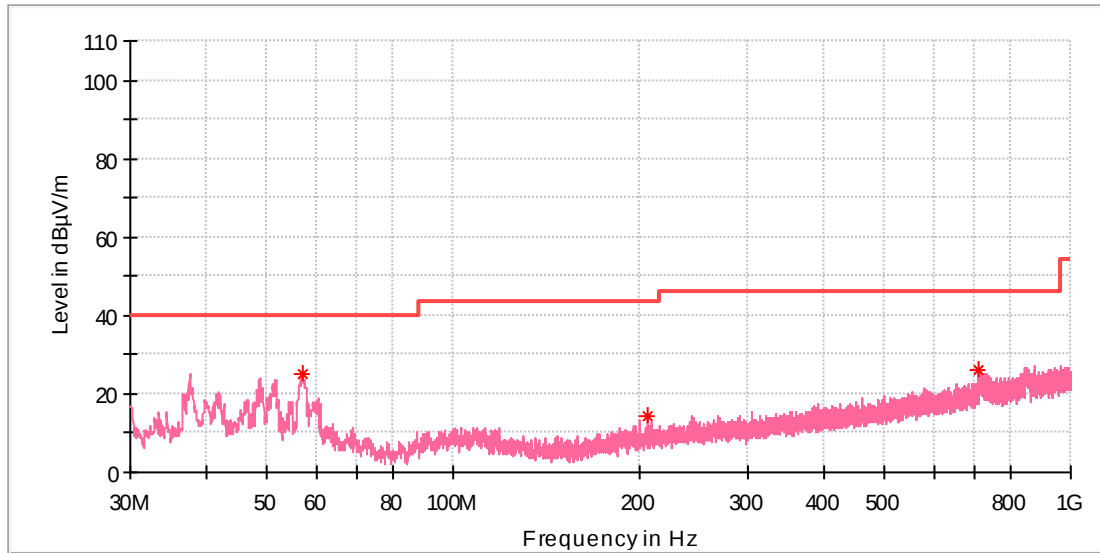
WCDMA

WCDMA_RMC_B5_High Channel



Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.832000	16.50	---	40.00	23.50	100.0	H	195.0	-18.7
199.992500	16.92	---	43.50	26.58	100.0	H	79.0	-19.3
845.236500	27.61	---	46.00	18.39	100.0	H	79.0	-6.0

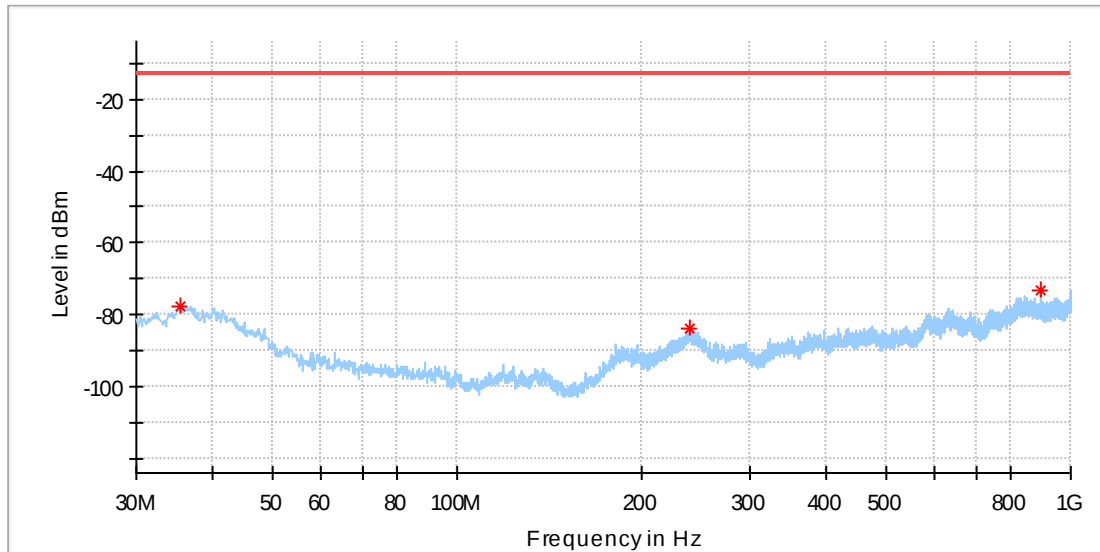


Critical_Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
57.063000	25.29	---	40.00	14.71	100.0	V	184.0	-19.0
206.734000	14.23	---	43.50	29.27	100.0	V	193.0	-19.2
709.339500	26.24	---	46.00	19.76	100.0	V	84.0	-8.3

LTE

LTE_QPSK_Band 5_10M_Full RB_Low channel

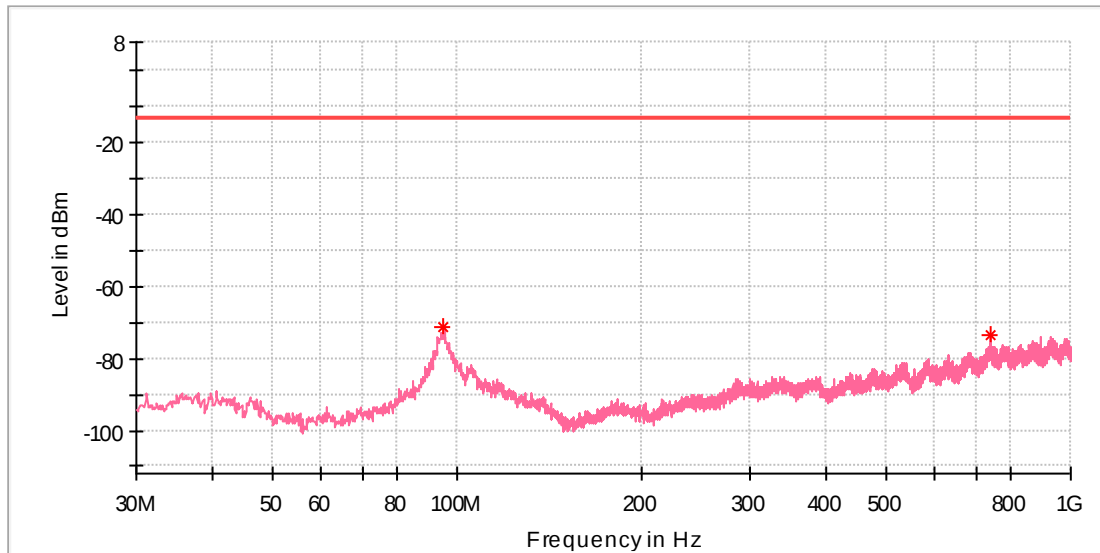


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
35.335000	-77.72	---	-13.00	64.72	100.0	H	334.0	-114.2
239.883750	-83.90	---	-13.00	70.90	100.0	H	308.0	-110.5
891.117500	-73.03	---	-13.00	60.03	100.0	H	334.0	-102.4

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
95.111250	-71.27	---	-13.00	58.27	100.0	V	0.0	-99.6
742.586250	-73.24	---	-13.00	60.24	100.0	V	160.0	-102.0

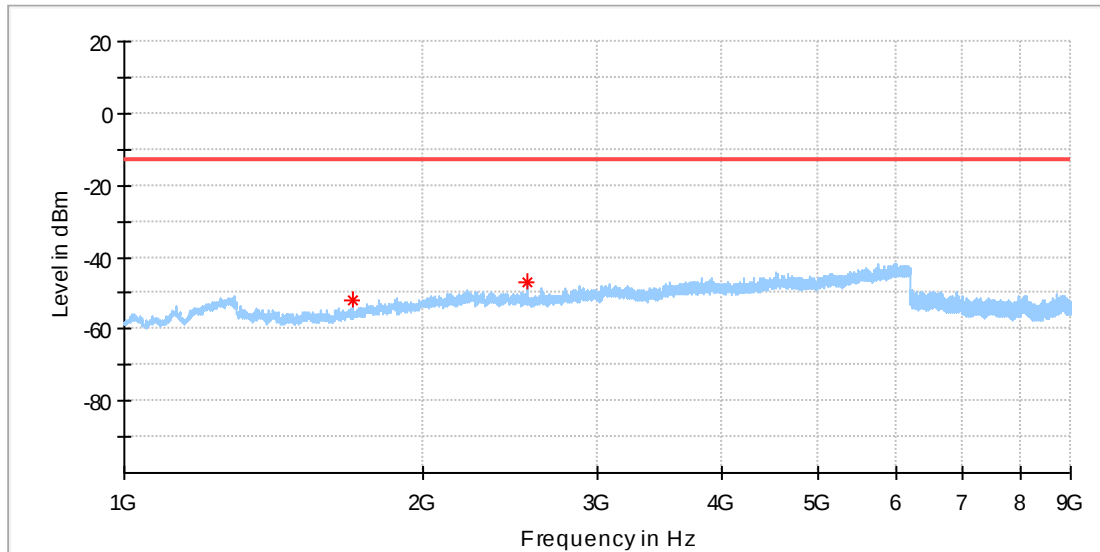
Final Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---

2. Transmitter Spurious Emissions above 1GHz

GSM

GSM850_GMSK_High Channel

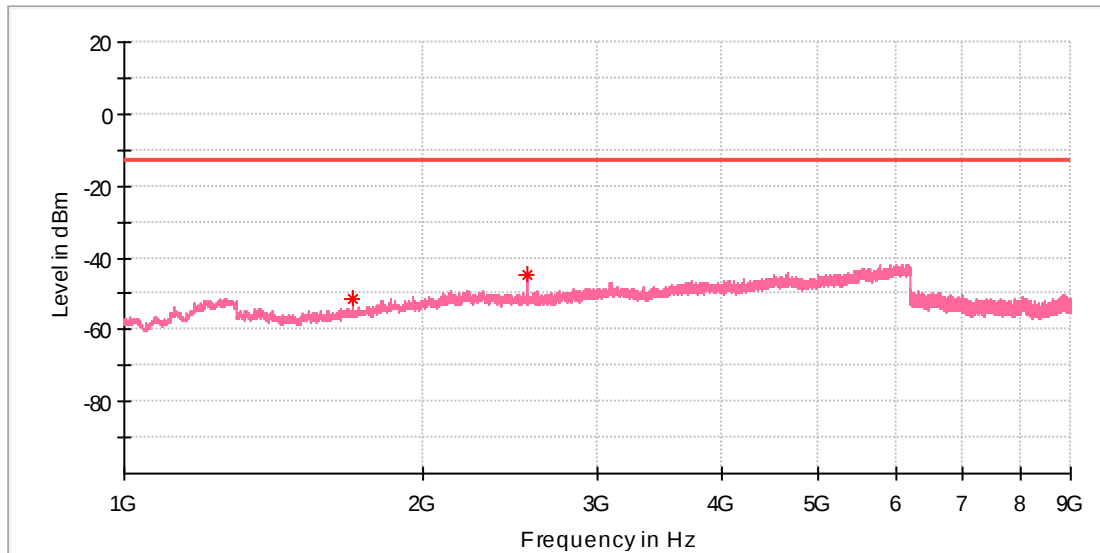


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1697.000000	-51.91	---	-13.00	38.91	100.0	H	12.0	-92.4
2546.000000	-46.86	---	-13.00	33.86	100.0	H	306.0	-88.3

Final_Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---		---	---



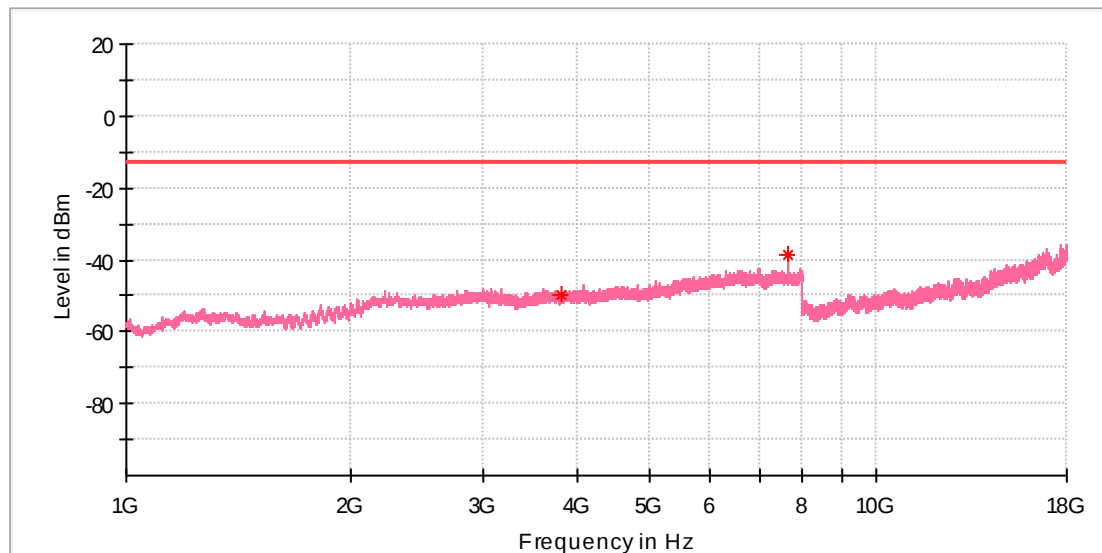
Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
1697.000000	-51.35	---	-13.00	38.35	100.0	V	247.0	-92.1
2546.000000	-44.91	---	-13.00	31.91	100.0	V	331.0	-88.4

Final Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---		---	---

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
144.375	-120.0	-120.0	-120.0	0.0	100.0	V	0.0	0.0



Critical_Freqs

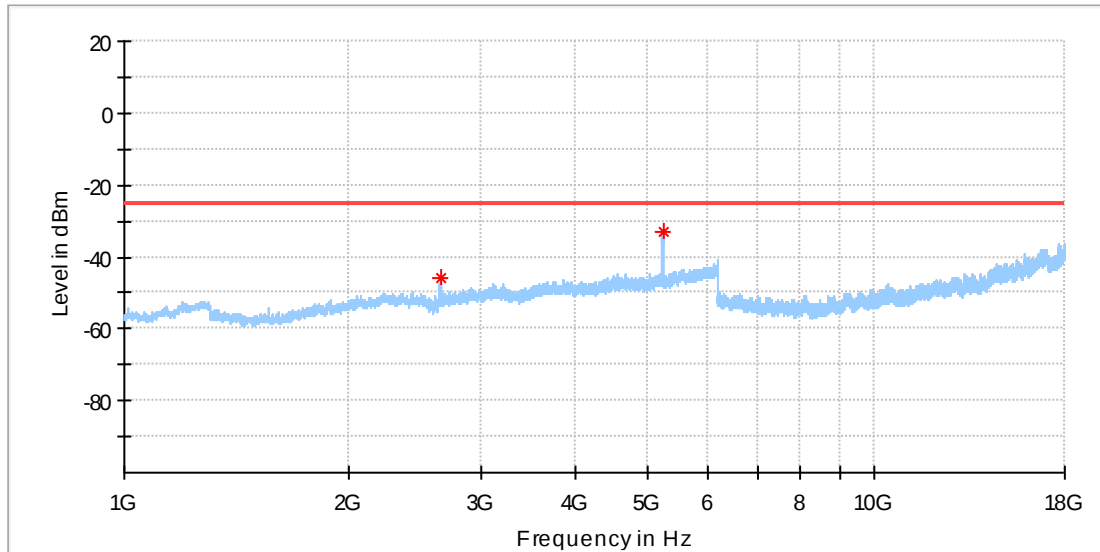
Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
3813.000000	-49.96	---	-13.00	36.96	100.0	V	172.0	-87.0
7631.500000	-38.38	---	-13.00	25.38	100.0	V	92.0	-79.4

Final_Result

Frequency (MHz)	MaxPeak (dBm)	RMS (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---		---	---

LTE

QPSK_Band 38_5M_1RB_High channel

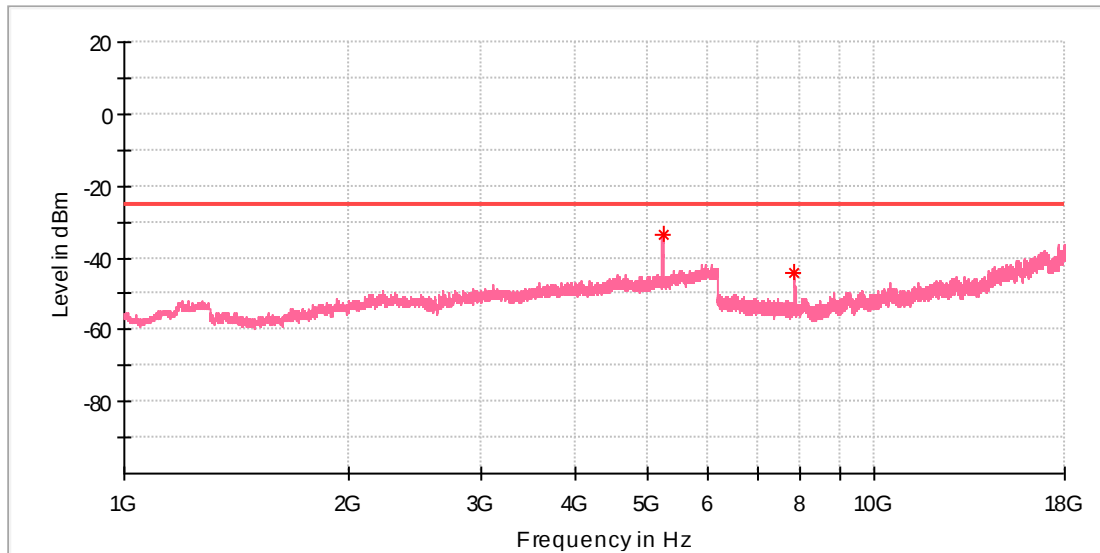


Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
2640.000000	-46.09	---	-25.00	21.09	100.0	H	222.0	-88.1
5234.000000	-33.26	---	-25.00	8.26	100.0	H	238.0	-83.1

Final Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---



Critical_Freqs

Frequency (MHz)	MaxPeak (dBm)	DET 2 (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
5235.000000	-33.53	---	-25.00	8.53	100.0	V	110.0	-83.1
7852.491667	-44.30	---	-25.00	19.30	100.0	V	271.0	-87.4

Final Result

Frequency (MHz)	MaxPeak (dBm)	Limit (dBm)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
---	---	---	---	---	---	---	---