



Appendix for test report

1Appendix_A: Effective (Isotropic) Radiated Power Output Data

Part I - Test Results

Test Band	Test Mode	Test Channel	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
GSM850	GSM/TM1	LCH	32.28	33.48	38.5	PASS
		MCH	32.5	33.59	38.5	PASS
		HCH	32.6	33.88	38.5	PASS
	GSM/TM2	LCH	27.1	28.33	38.5	PASS
		MCH	26.91	27.99	38.5	PASS
		HCH	27.15	28.45	38.5	PASS
GSM1900	GSM/TM1	LCH	30.19	32.84	33	PASS
		MCH	30.02	32.72	33	PASS
		HCH	30.28	32.79	33	PASS
	GSM/TM2	LCH	26.03	28.73	33	PASS
		MCH	26.06	28.77	33	PASS
		HCH	26.09	28.68	33	PASS



Test Band	Test Mode	Test Channel	Measured[dBm]	ERP/EIRP [dBm]	Limit [dBm]	Verdict
WCDMA850	UMTS/TM1	LCH	23.47	24.71	38.5	PASS
		MCH	23.45	24.75	38.5	PASS
		HCH	23.41	24.68	38.5	PASS
WCDMA1900	UMTS/TM1	LCH	23.91	26.66	33	PASS
		MCH	23.88	26.51	33	PASS
		HCH	23.94	26.69	33	PASS

Note1:

a, For getting the ERP (Efficient Radiated Power) or EIRP (Efficient Isotropic Radiated Power) in substitution method, the following formula should be taken to calculate it,

$$\text{ERP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBd]}$$

$$\text{EIRP [dBm]} = \text{SGP [dBm]} - \text{Cable Loss [dB]} + \text{Gain [dBi]}$$

b, SGP=Signal Generator Level

Note2:

SET Span=1.5*OBW

SET RBW=1%of the OBW,not to exceed 1MHz

SET VBW>= 3*RBW

SET Sweep time=auto-couple.

Detector:RMS



2Appendix_B: Peak-to-Average Ratio

void

3Appendix_C: Modulation Characteristics

void

4Appendix_D: Bandwidth

void

5Appendix_E: Band Edges Compliance

void

6Appendix_F: Spurious Emission at Antenna Terminal

void

7Appendix_G: Field Strength of Spurious Radiation

Note: We tested all modes, but the data presented below is the worst case.

9kHz~150kHz, VBW = 200Hz, VBW = 600 Hz, Detector: PK

150kHz~30MHz, VBW = 9kHz, VBW = 30k Hz, Detector: PK

30MHz~1GHz, RBW = 100 kHz, VBW = 300 kHz. Detector: PK

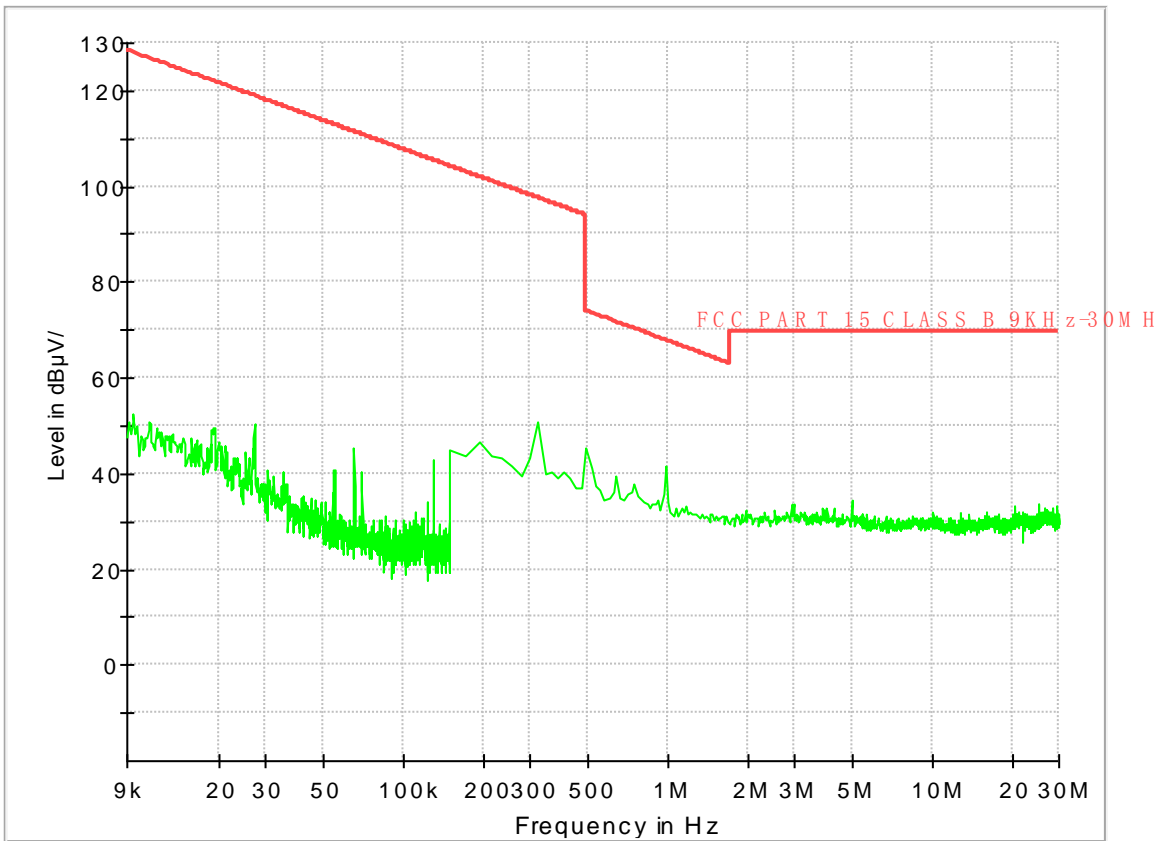
Above 1GHz, RBW = 1 MHz, VBW = 3 MHz. Detector: PK

Part I - Test Plots

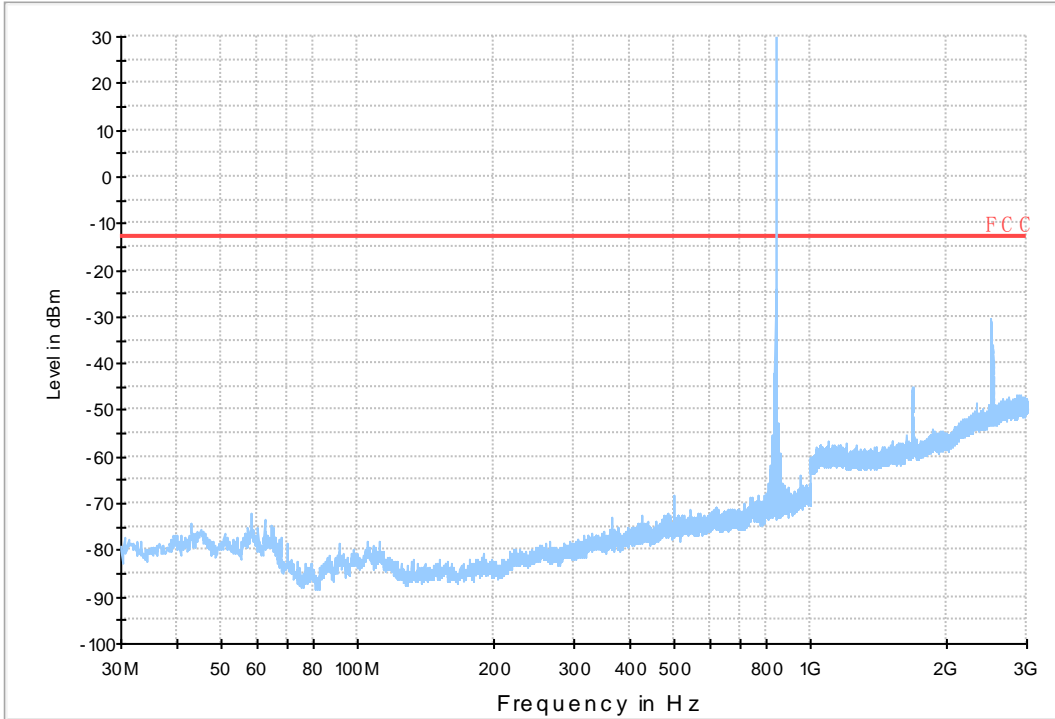
7.1 For GSM

7.1.1 Test Band = GSM850_ANT1:1dbi

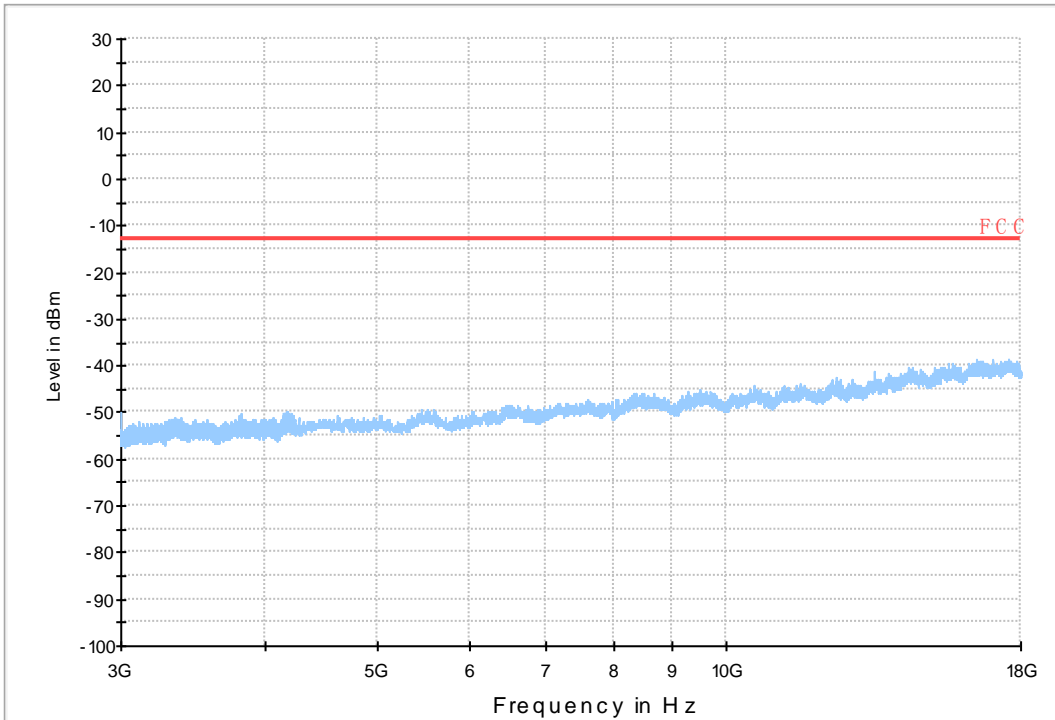
7.1.1.1 Test Mode = GSM/TM1



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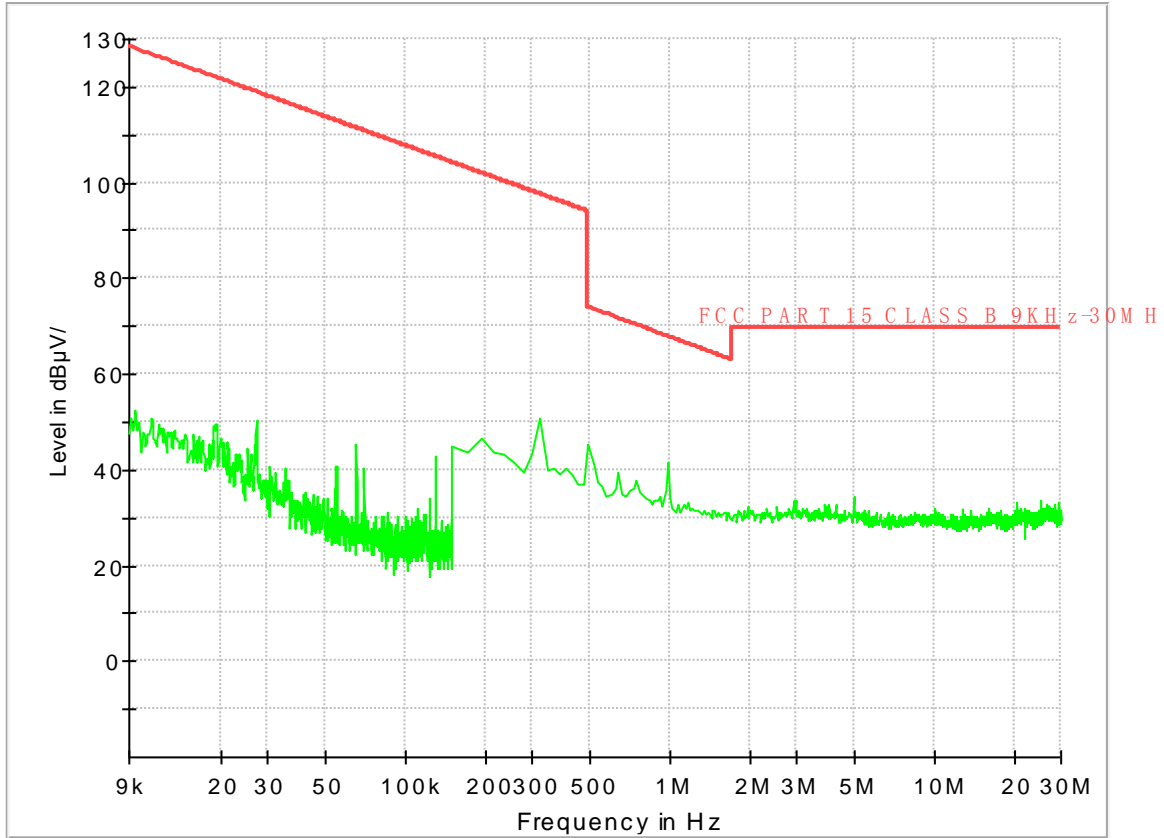


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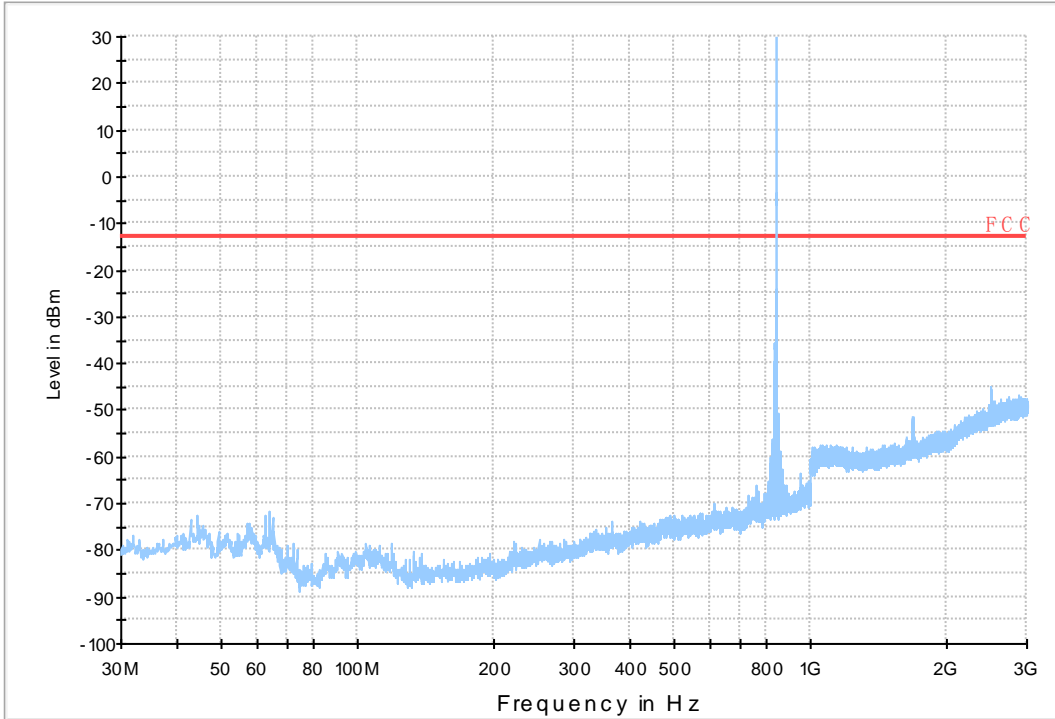


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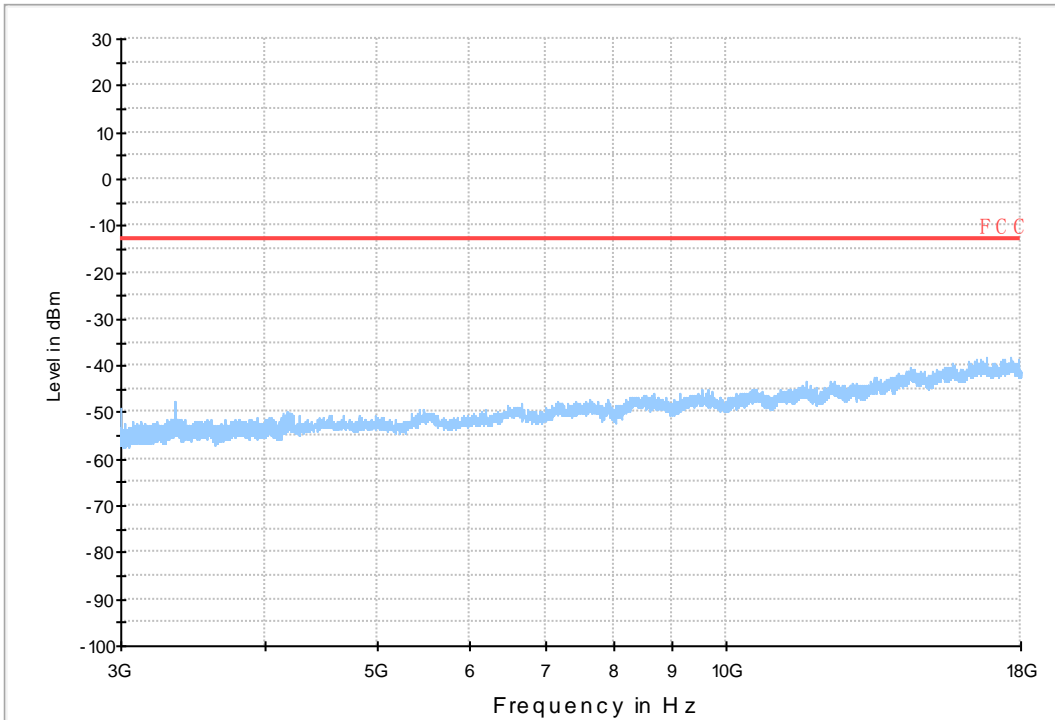
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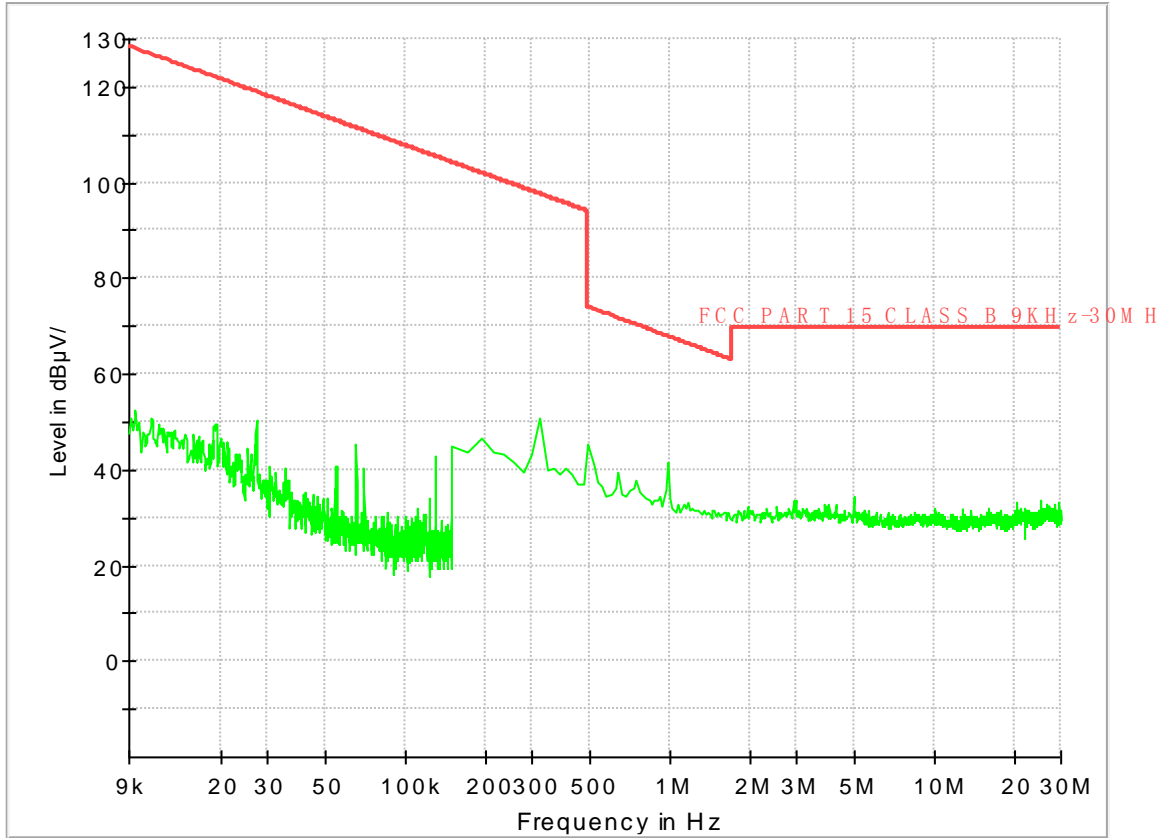


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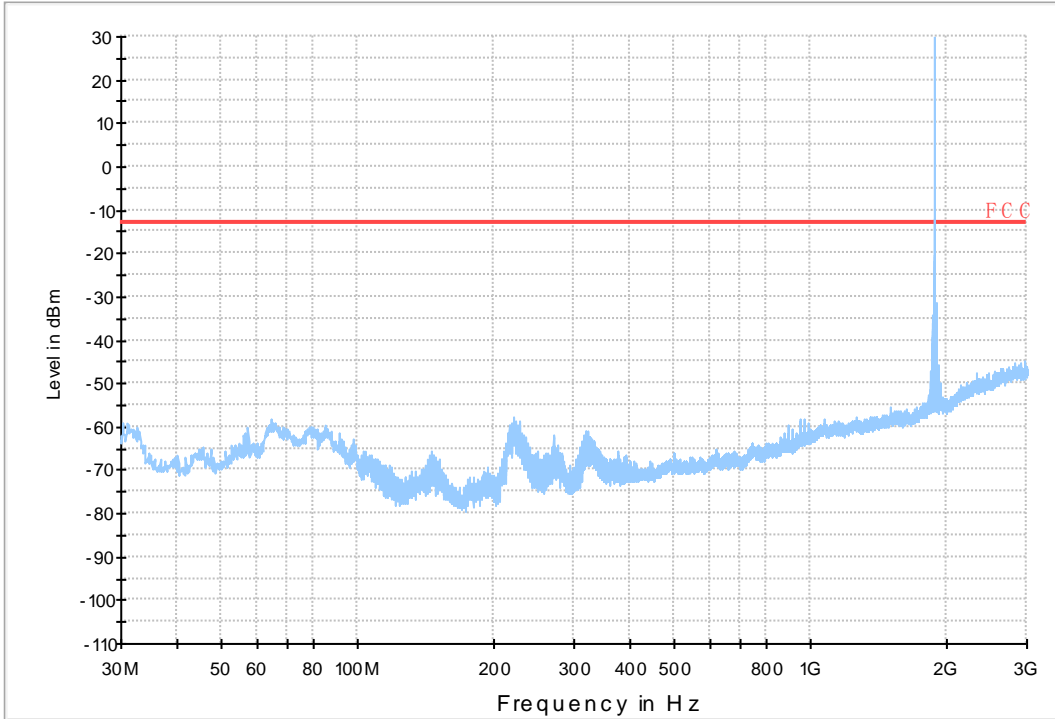


7.1.3 Test Band = GSM1900_ ANT1:1dbi

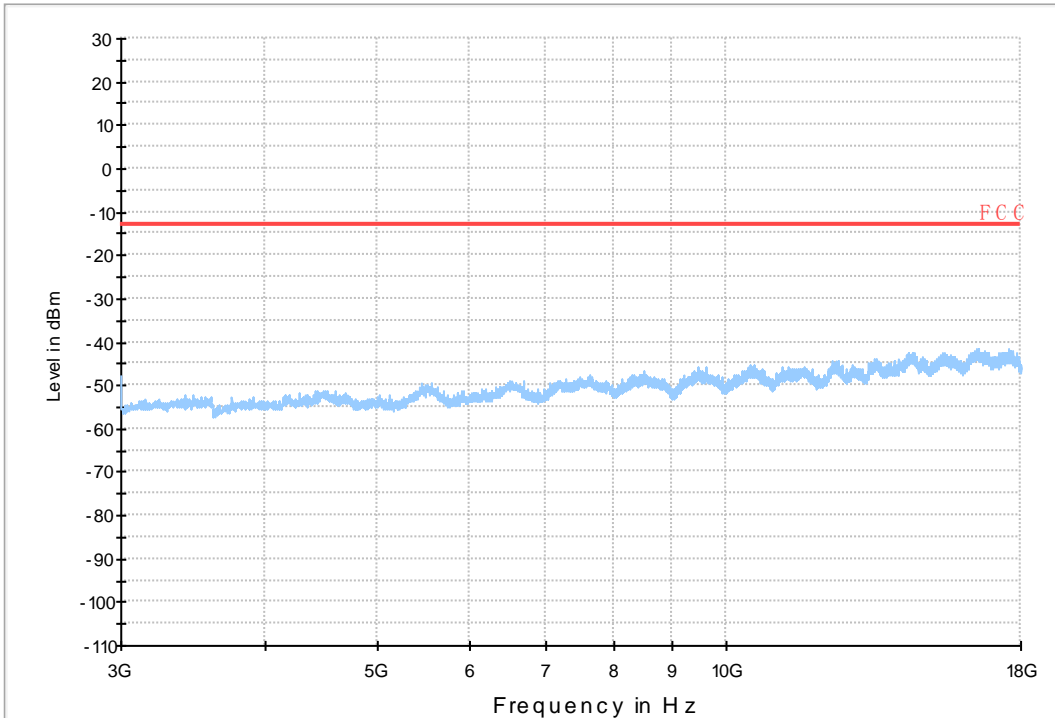
7.1.3.1 Test Mode = GSM/TM1

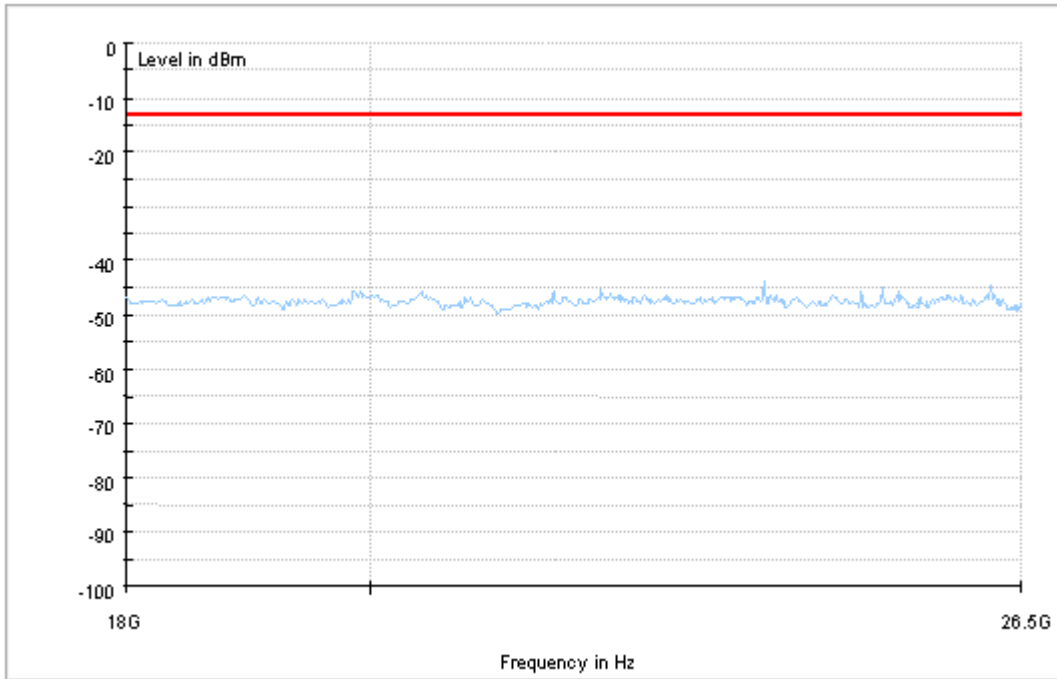


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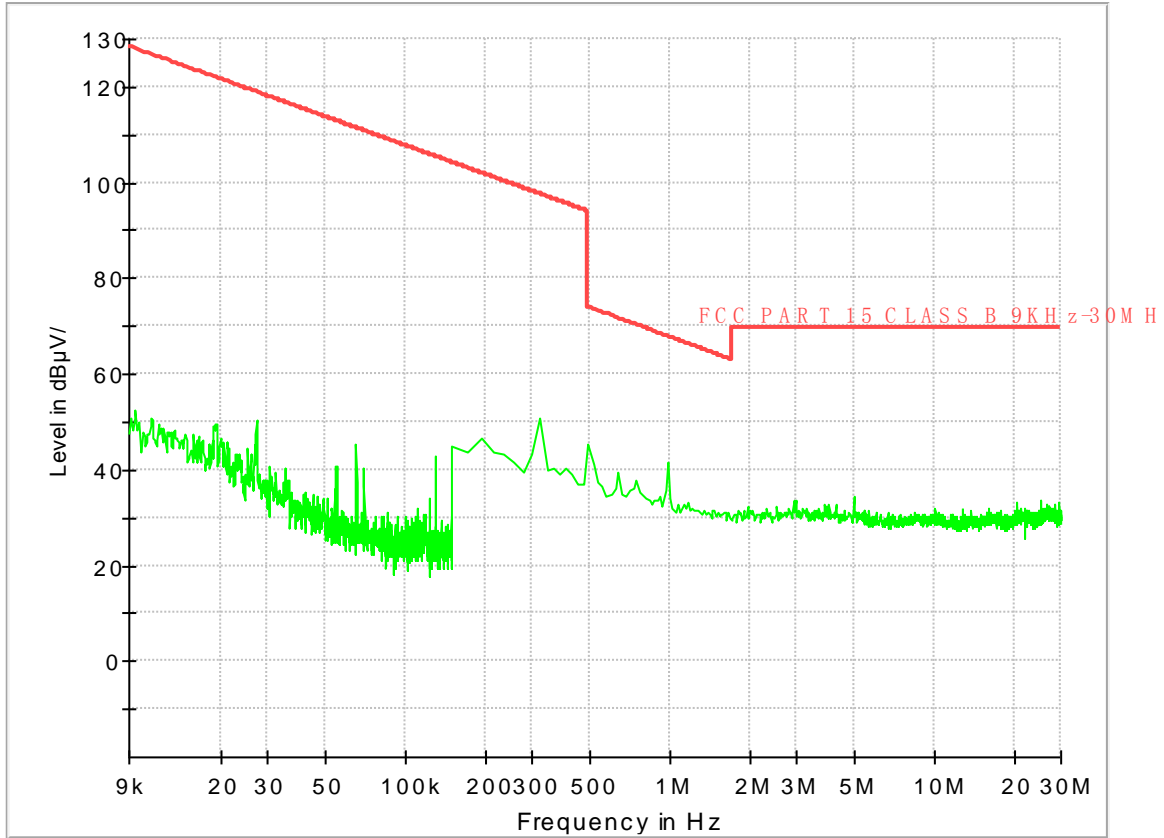
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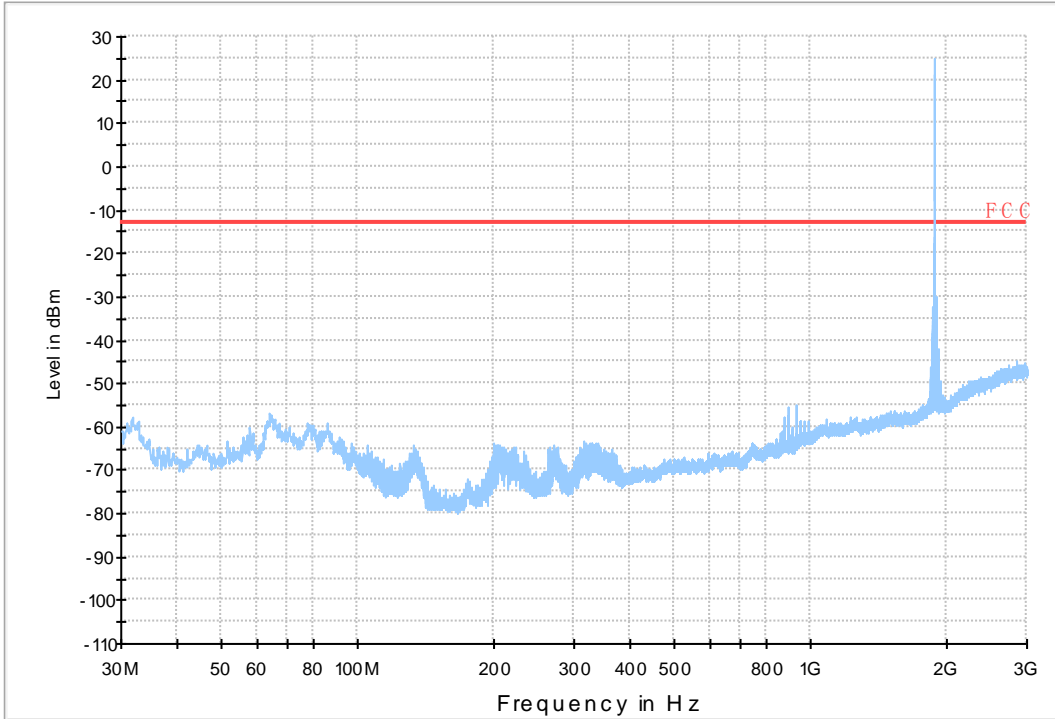


7.1.4 Test Band = GSM1900_ ANT2:3dbi

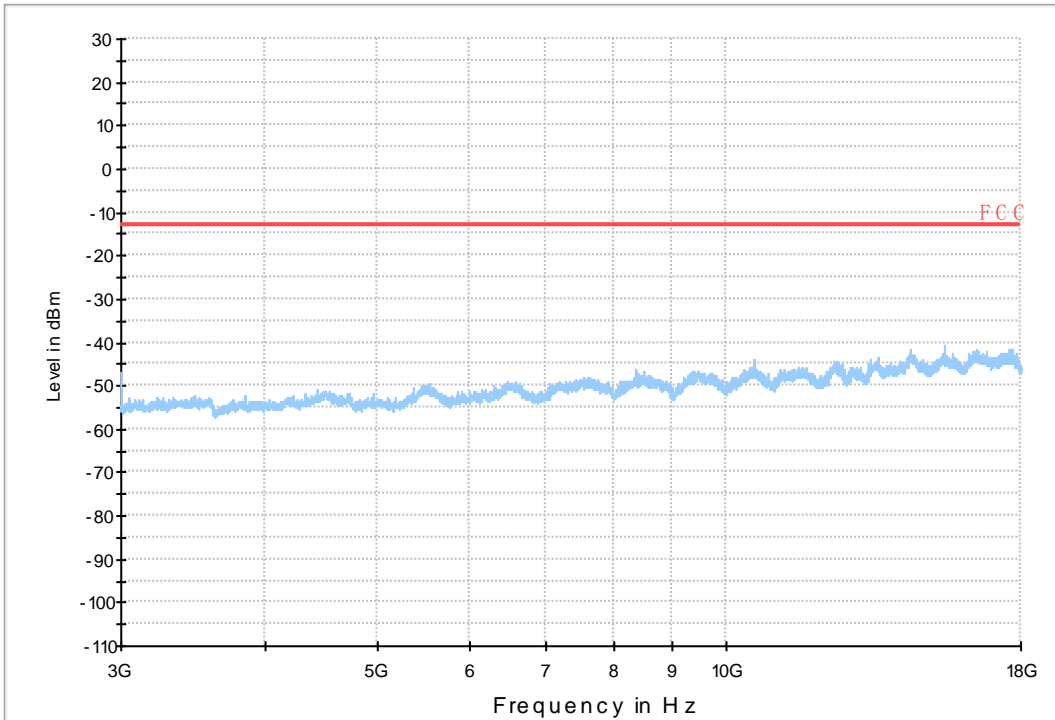
7.1.4.1 Test Mode = GSM/TM1

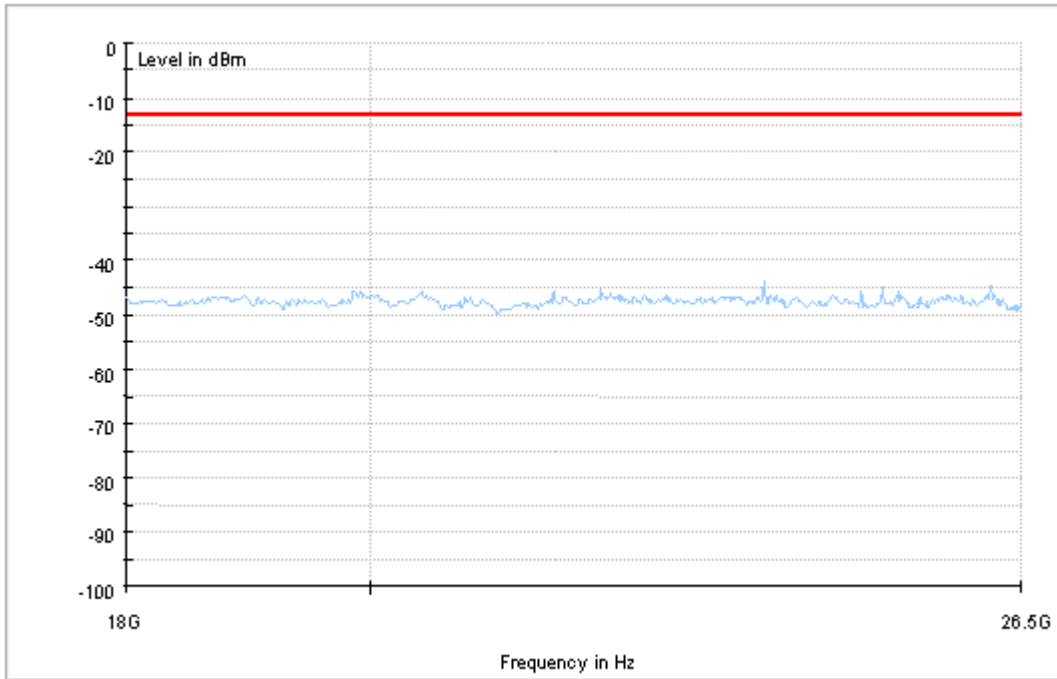


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Copy of FCC PART24 GSM1900_H

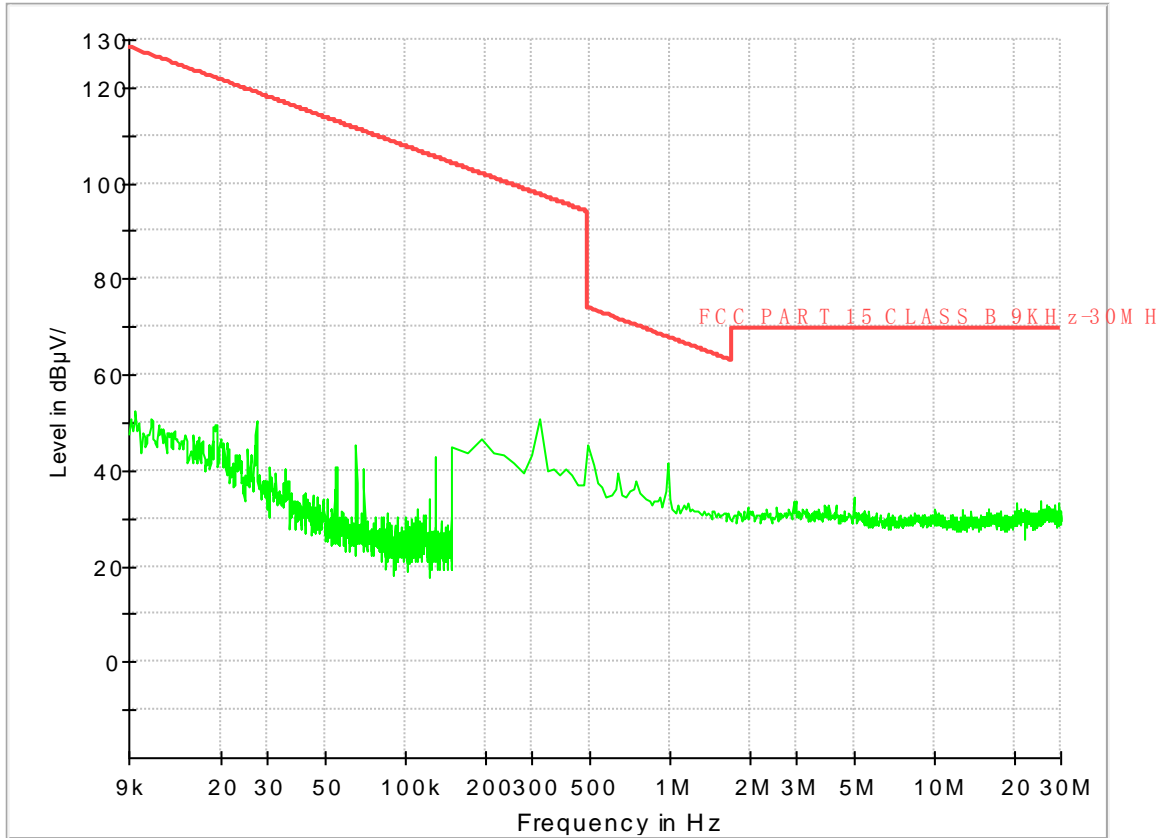




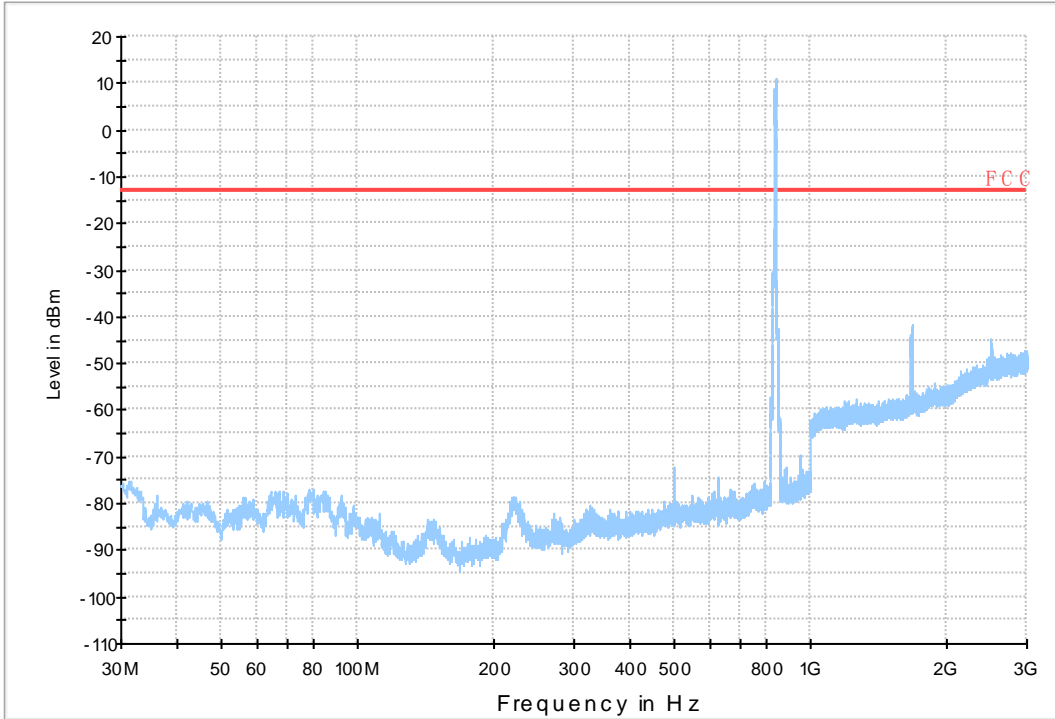
7.2 For UMTS

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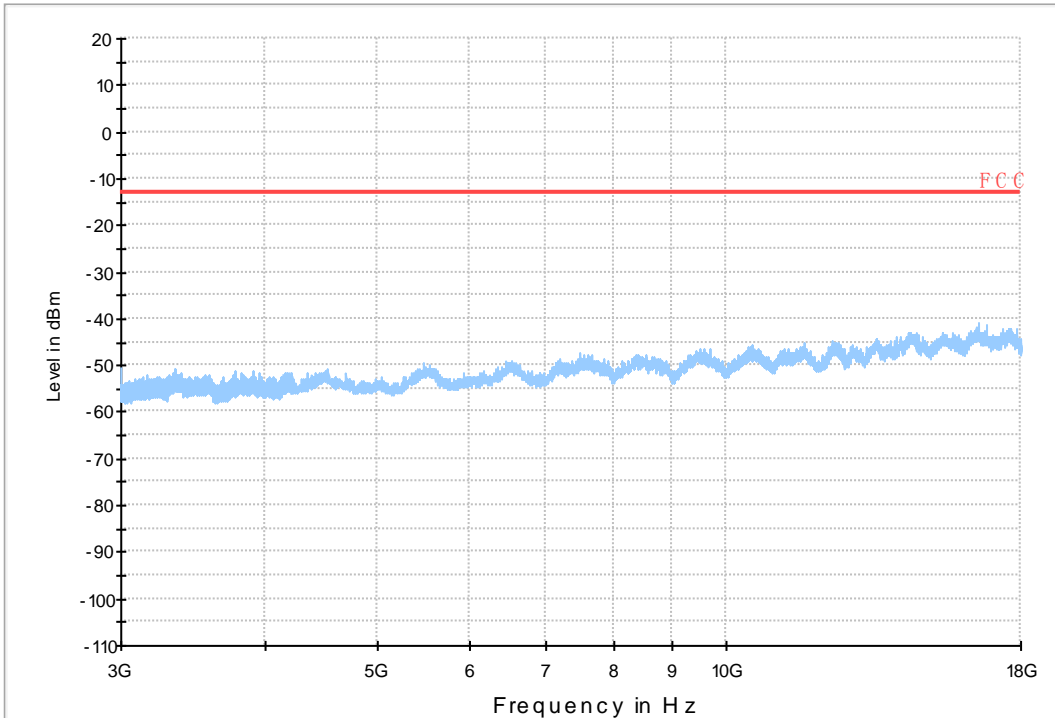
7.2.1.1 Test Mode = UMTS/TM1



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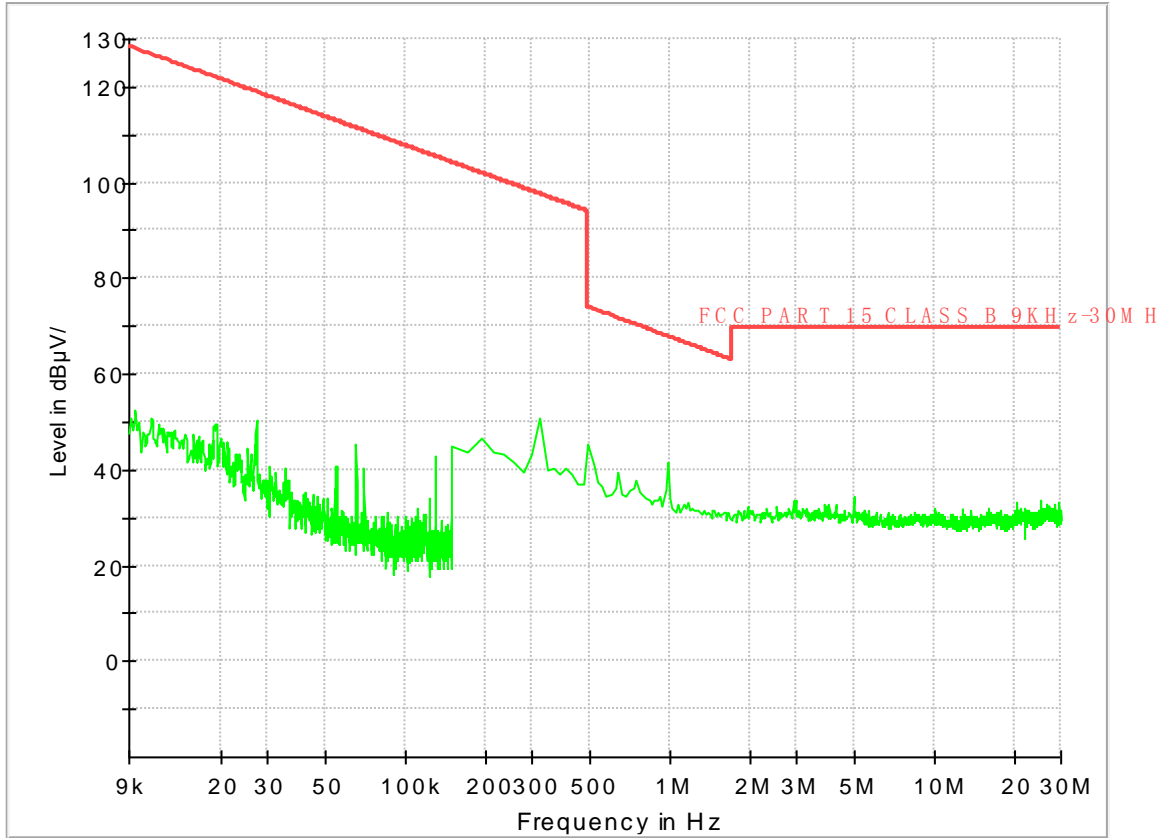


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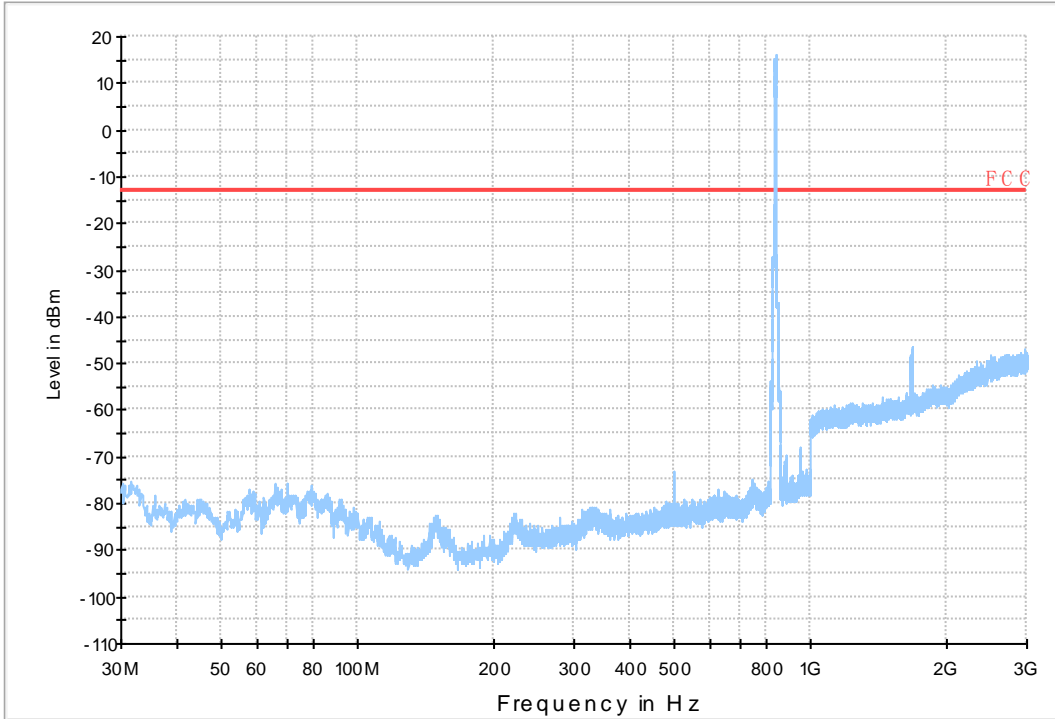


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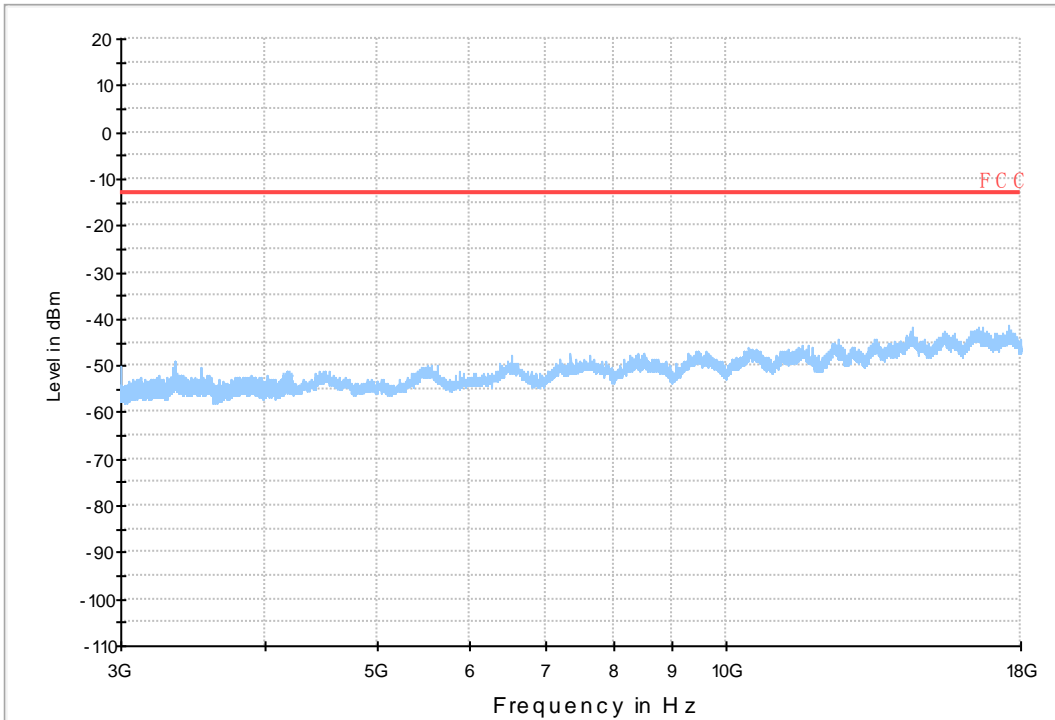
7.2.2.1 Test Mode = UMTS/TM1



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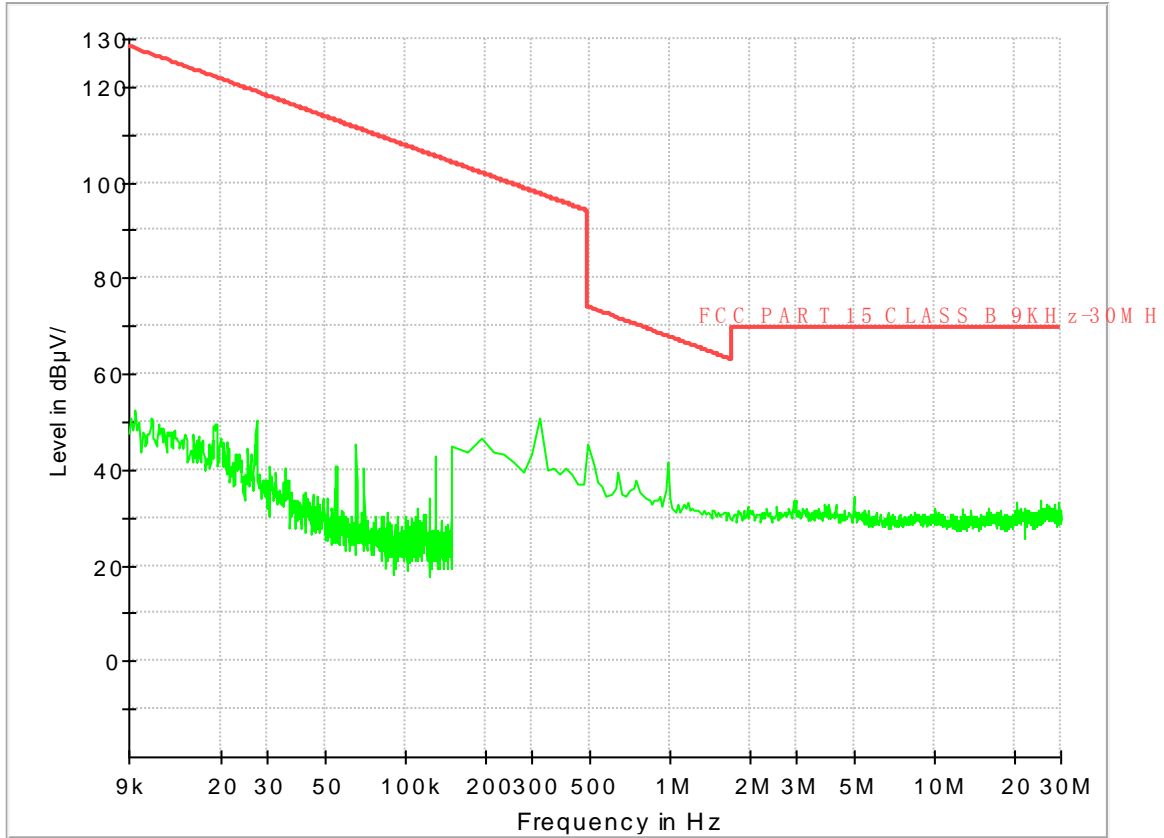


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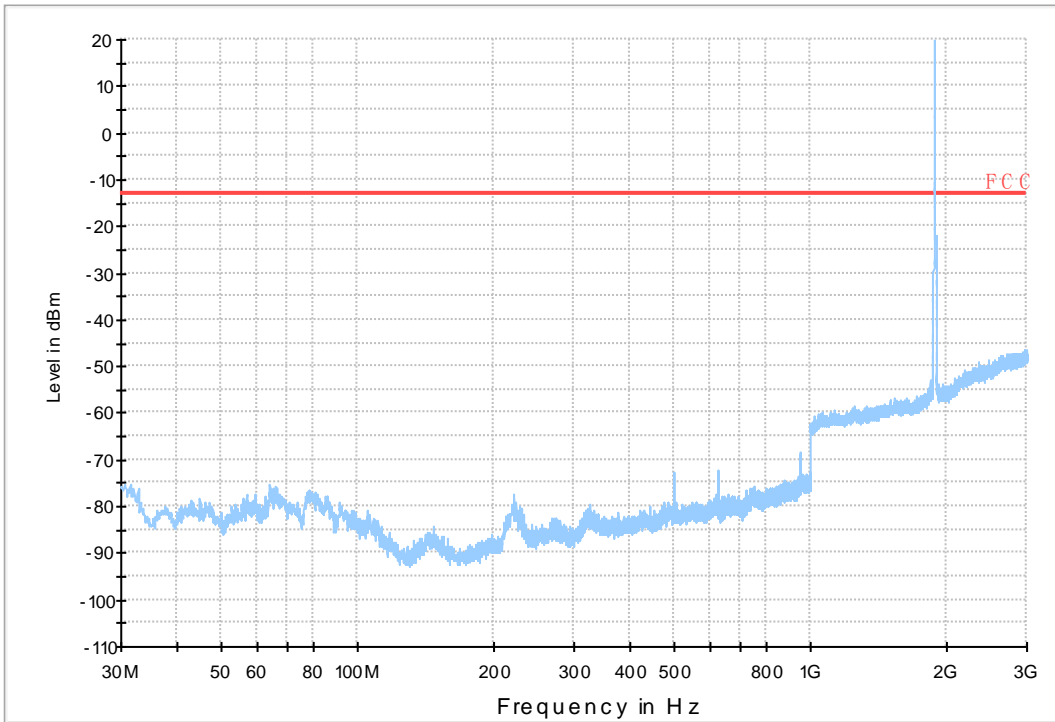


7.2.3 Test Band = WCDMA1900_ ANT1:1dbi

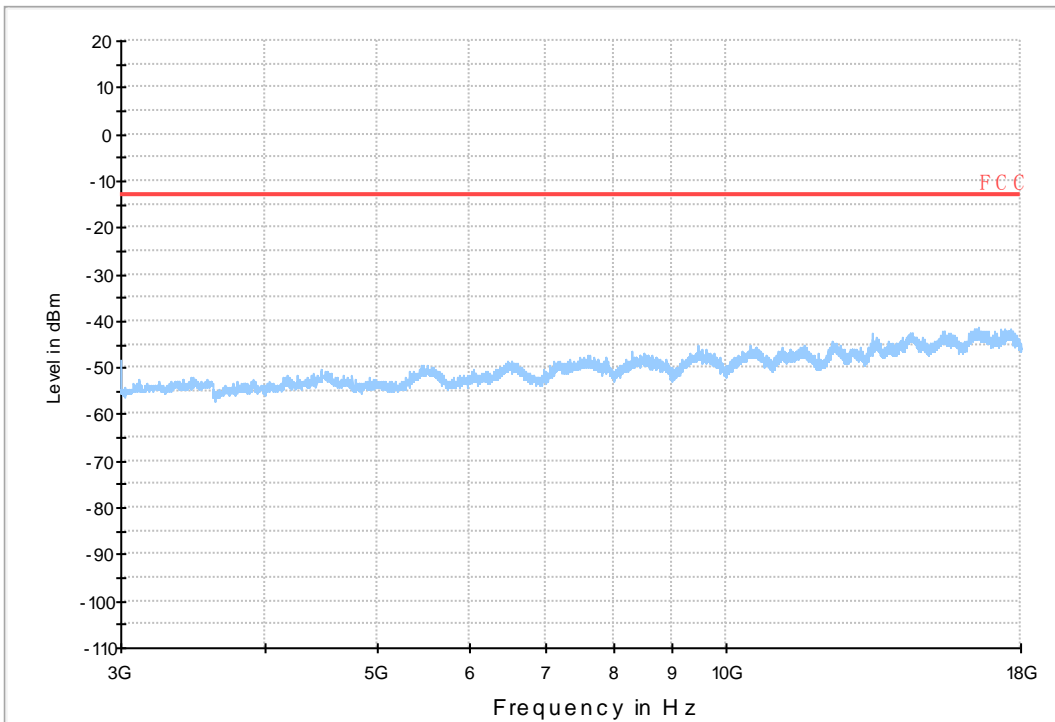
7.2.3.1 Test Mode = UMTS/TM1

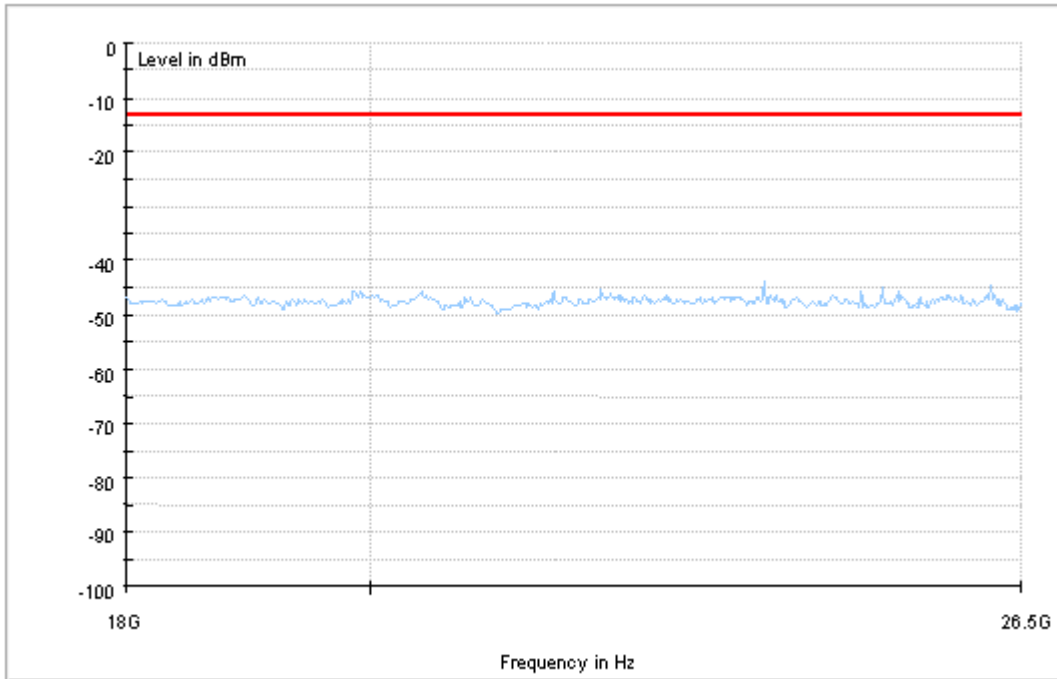


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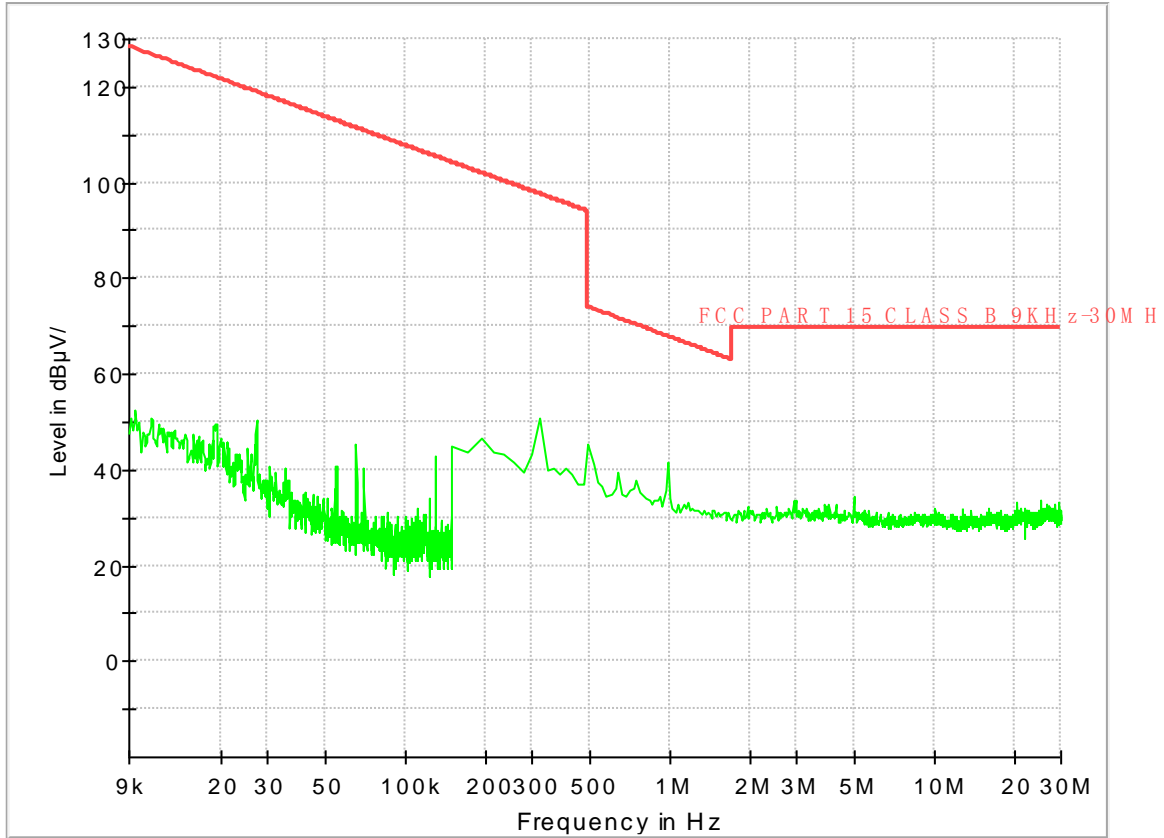
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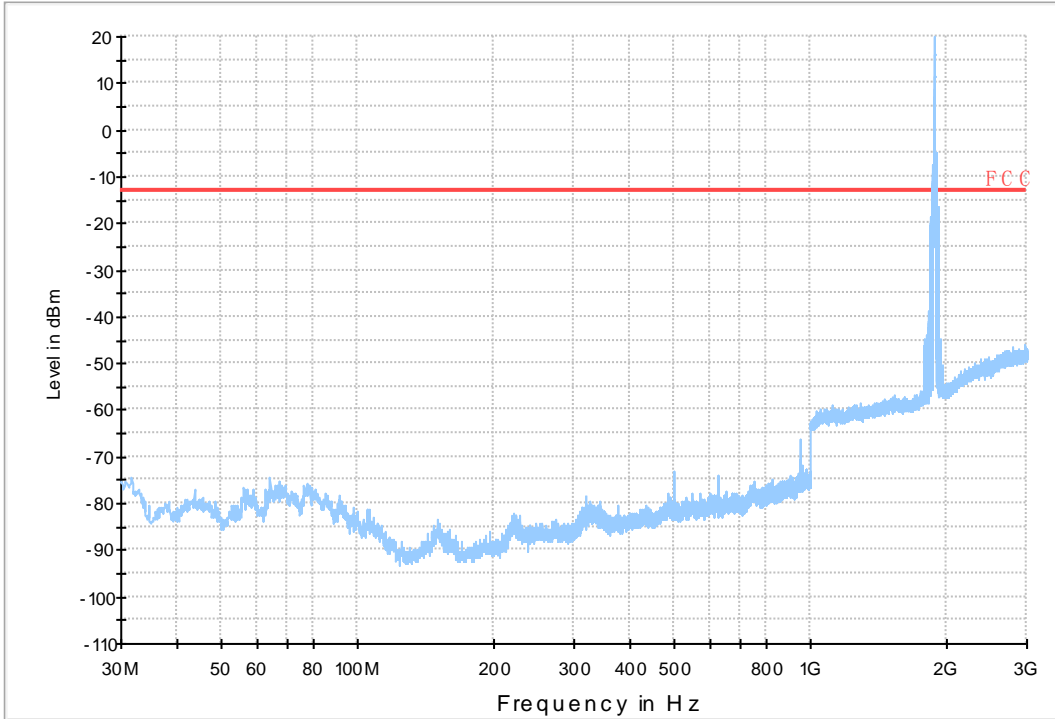


7.2.4 Test Band = WCDMA1900_ ANT2:3dbi

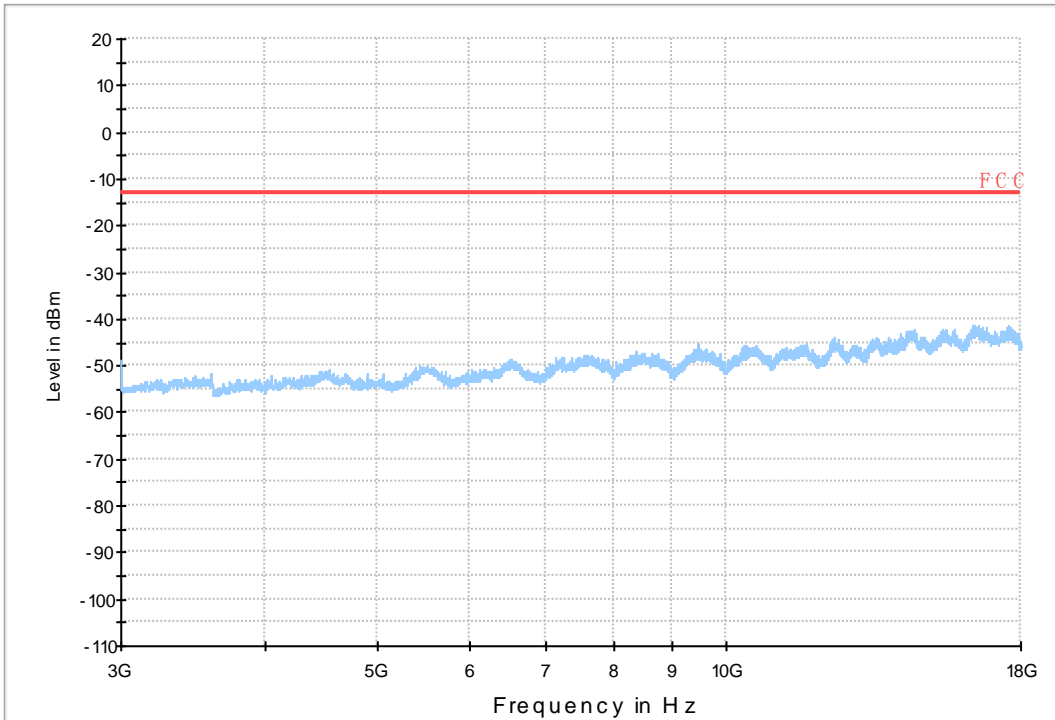
7.2.4.1 Test Mode = UMTS/TM1

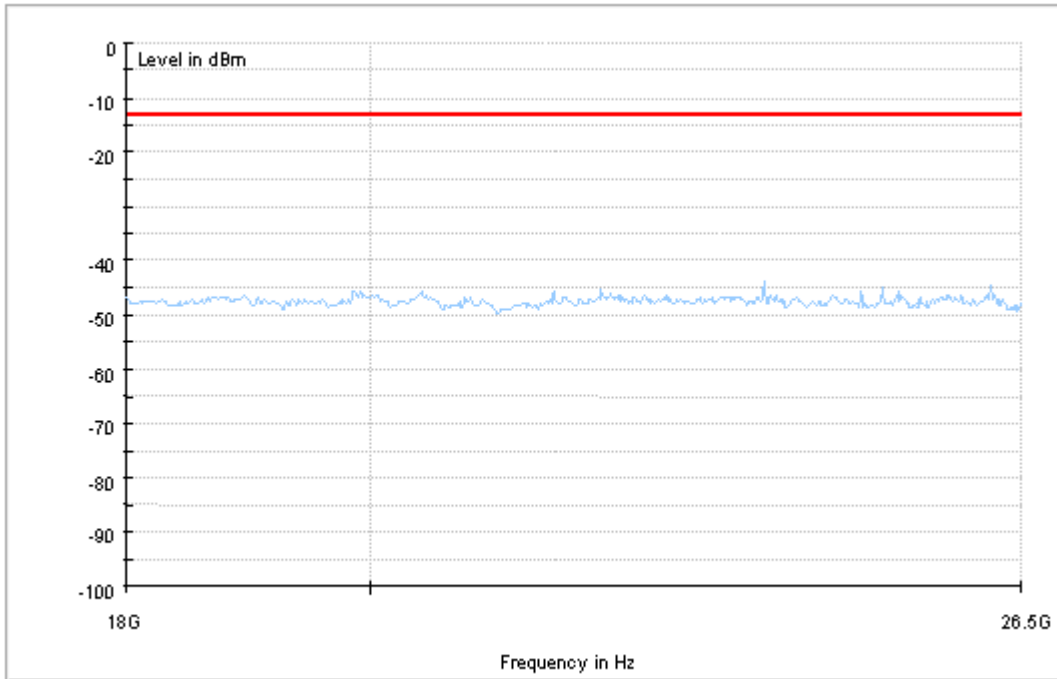


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8Appendix_H: Frequency Stability

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