EMC Responses to Questions to FCC ID: IHDT6FF1

2. *Please submit the output power, occupied bandwidth, and bandedge measurements for EDGE mode operation.*

OCCUPIED BANDWIDTH

CFR Part 2.1049, 22.917, 24.238

Measurement Procedure

The RF output port of the equipment under test is directly coupled to the input of the EMC analyzer through a specialized RF connector and a 10dB passive attenuator. The amplitude of the spectrum analyzer is corrected for the attenuator and any other applicable losses. The analyzer is set for Peak Detector and each trace is set for Max Hold. A fully charged battery was used for the supply voltage.

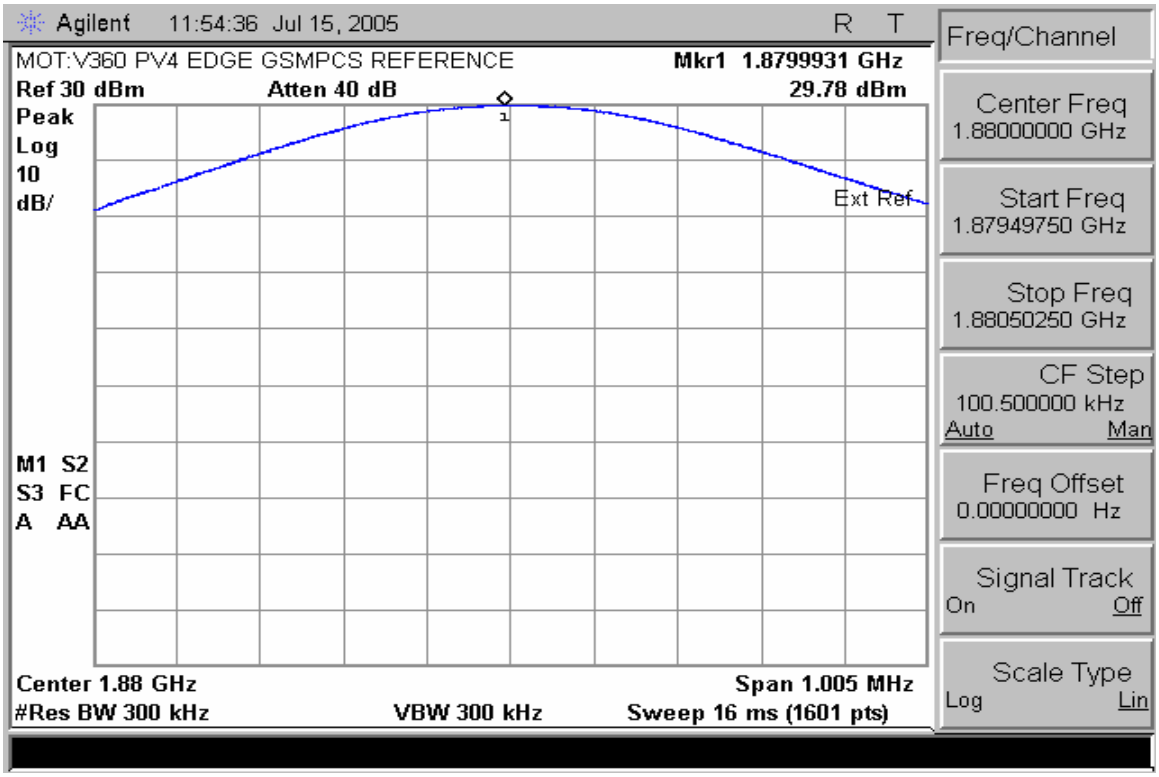
The middle channel within the designated frequency block was measured. For digital modulation, the lower and upper band edge plots are displayed.

Measurement Results

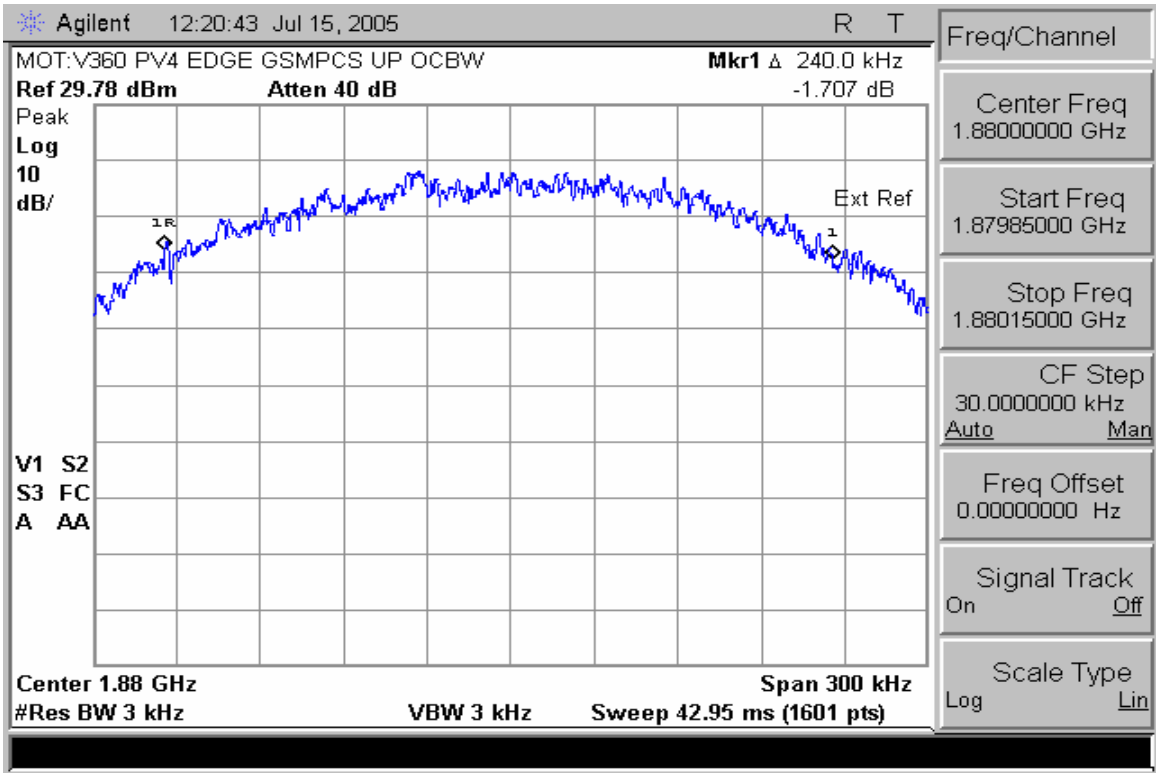
Attached

Measurement Results – EDGE GSM 1900

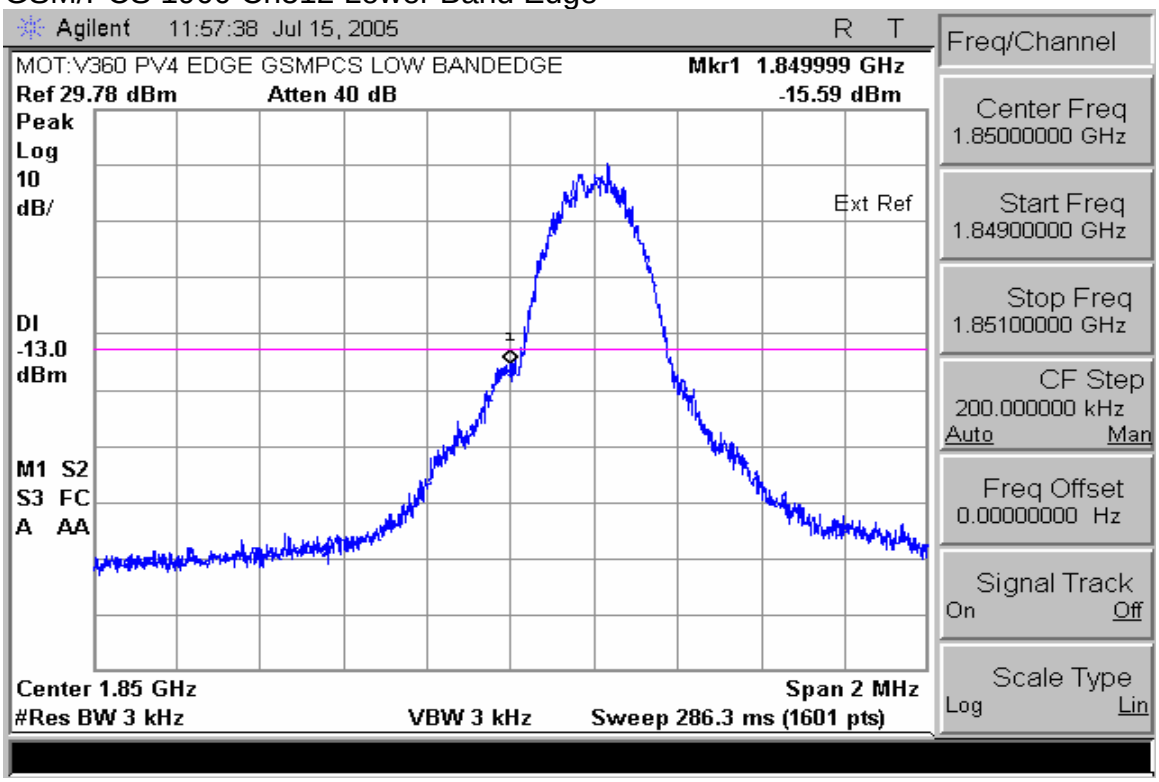
GSM/PCS 1900 Reference Level



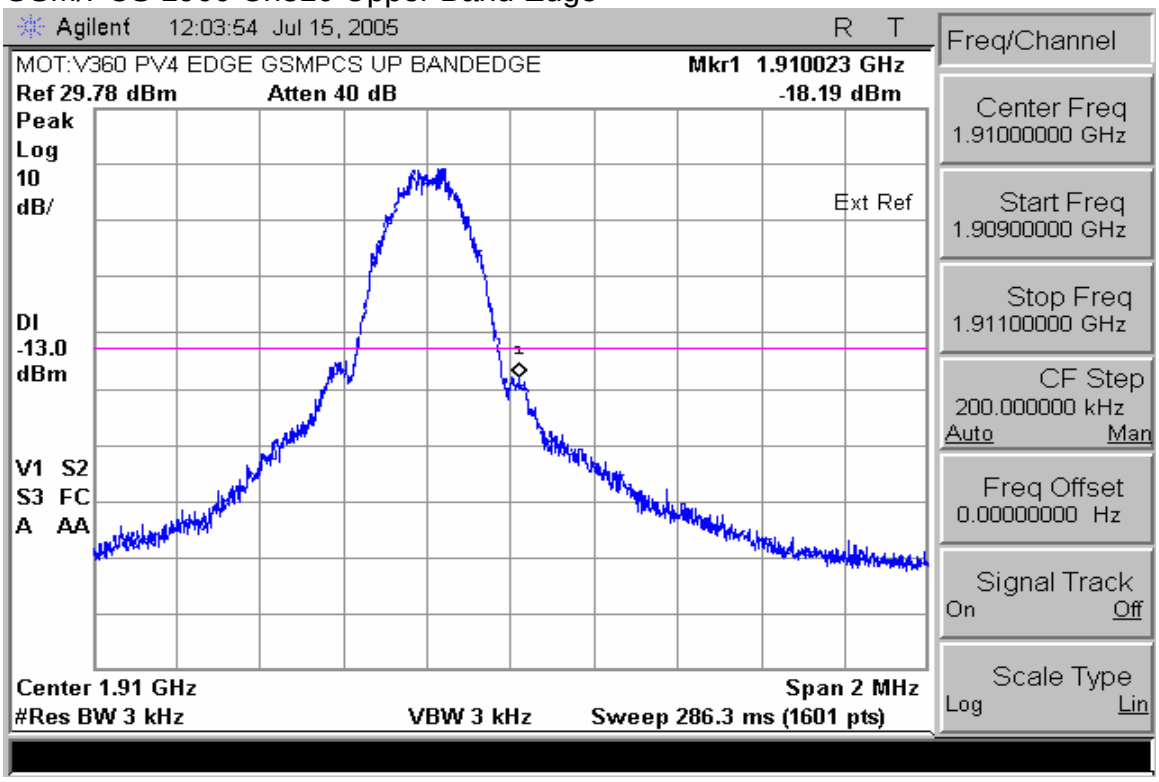
GSM/PCS 1900 Occupied Bandwidth


Agilent 12:20:43 Jul 15, 2005
R T
MOT:V360 PV4 EDGE GSMPCS UP OCBW
Mkr1 Δ 240.0 kHz
Ref 29.78 dBm
Atten 40 dB
-1.707 dB
Peak
Log
10
dB/
Ext Ref
1R
1
V1 S2
S3 FC
A AA
Center 1.88 GHz
Span 300 kHz
#Res BW 3 kHz
VBW 3 kHz
Sweep 42.95 ms (1601 pts)
Freq/Channel
Center Freq
1.88000000 GHz
Start Freq
1.87985000 GHz
Stop Freq
1.88015000 GHz
CF Step
30.0000000 kHz
Auto Man
Freq Offset
0.00000000 Hz
Signal Track
On Off
Scale Type
Log Lin

GSM/PCS 1900 Ch512 Lower Band Edge

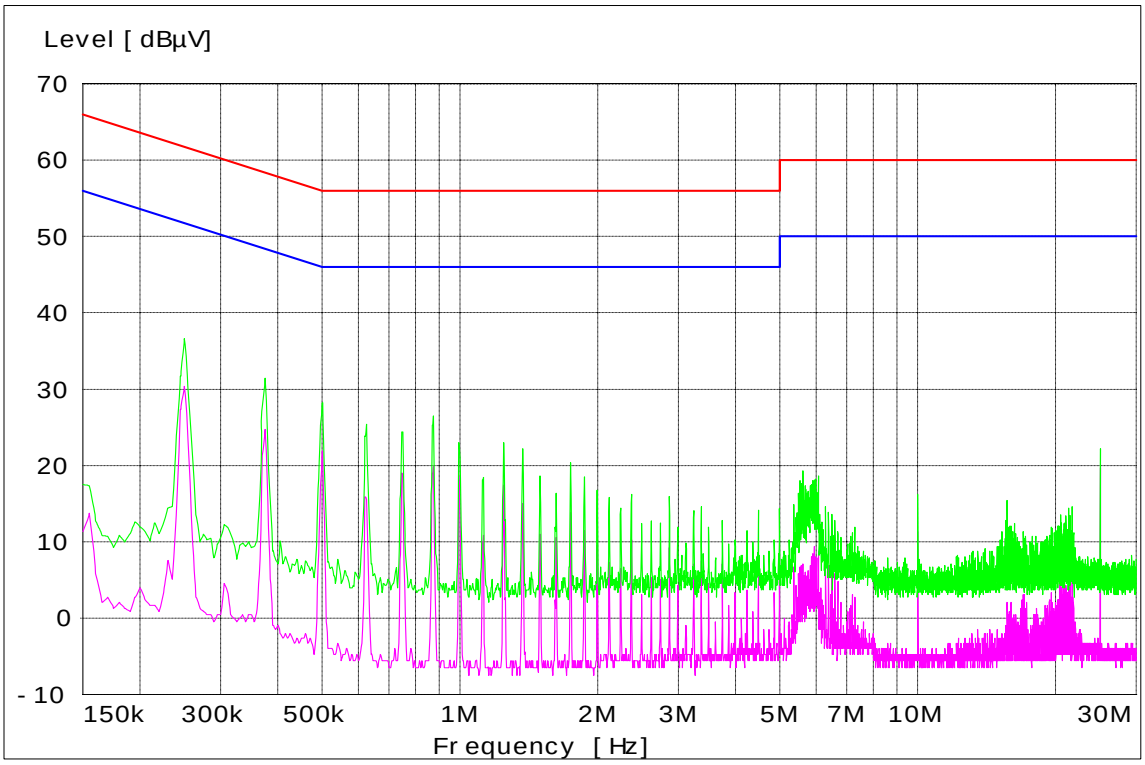


GSM/PCS 1900 Ch810 Upper Band Edge

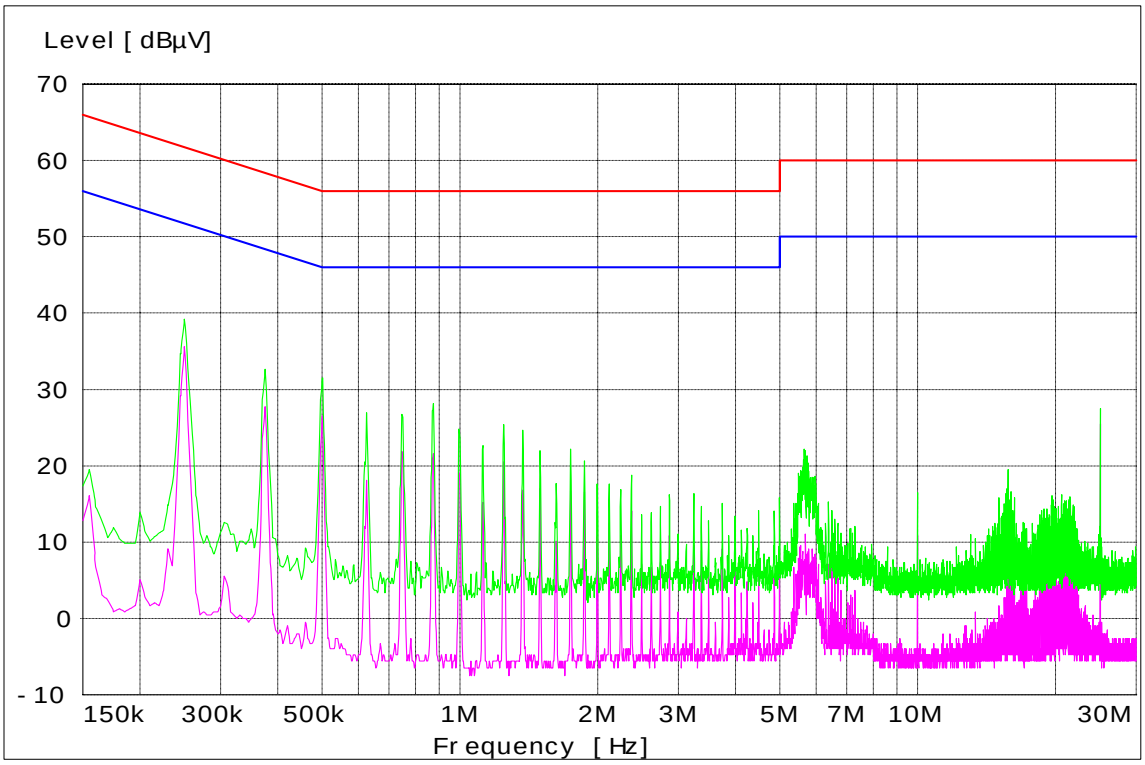


6. Will the Bluetooth transmitter operate while the phone is in its battery charger? If so, please submit AC Line conducted data demonstrating compliance with Section 15.207.

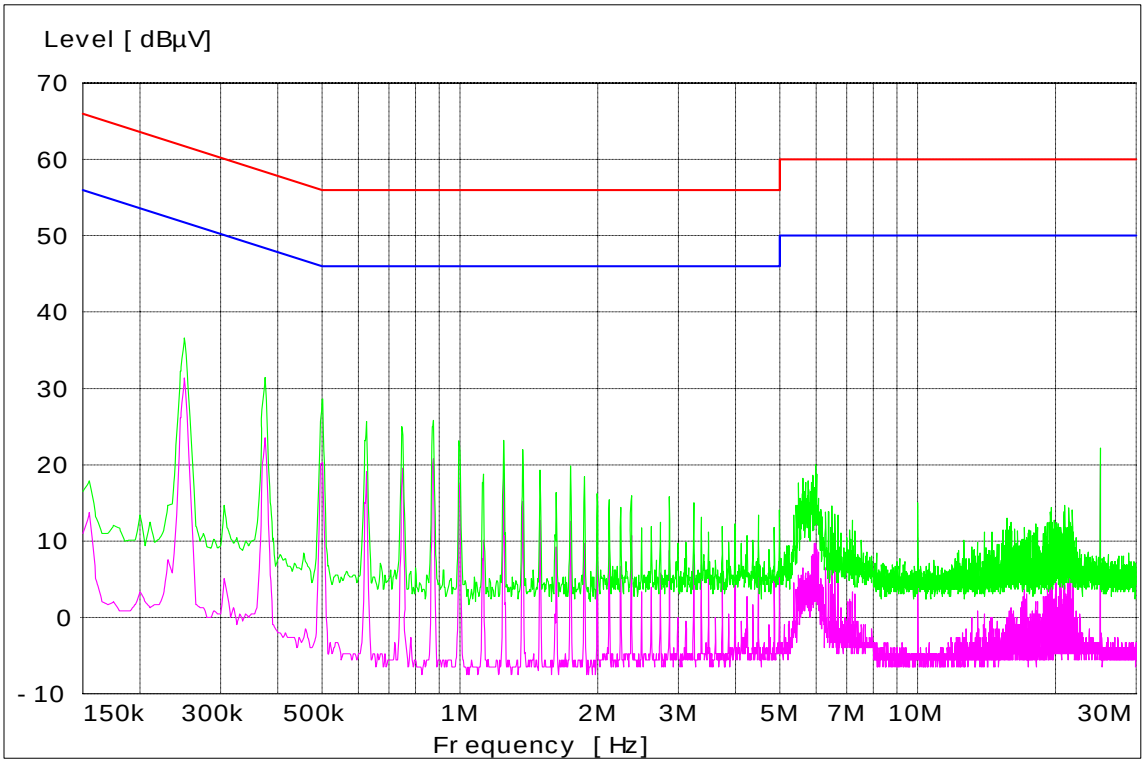
Bluetooth Channel 0 2402MHz - Tx Mode - Line Coupling Nonhopping



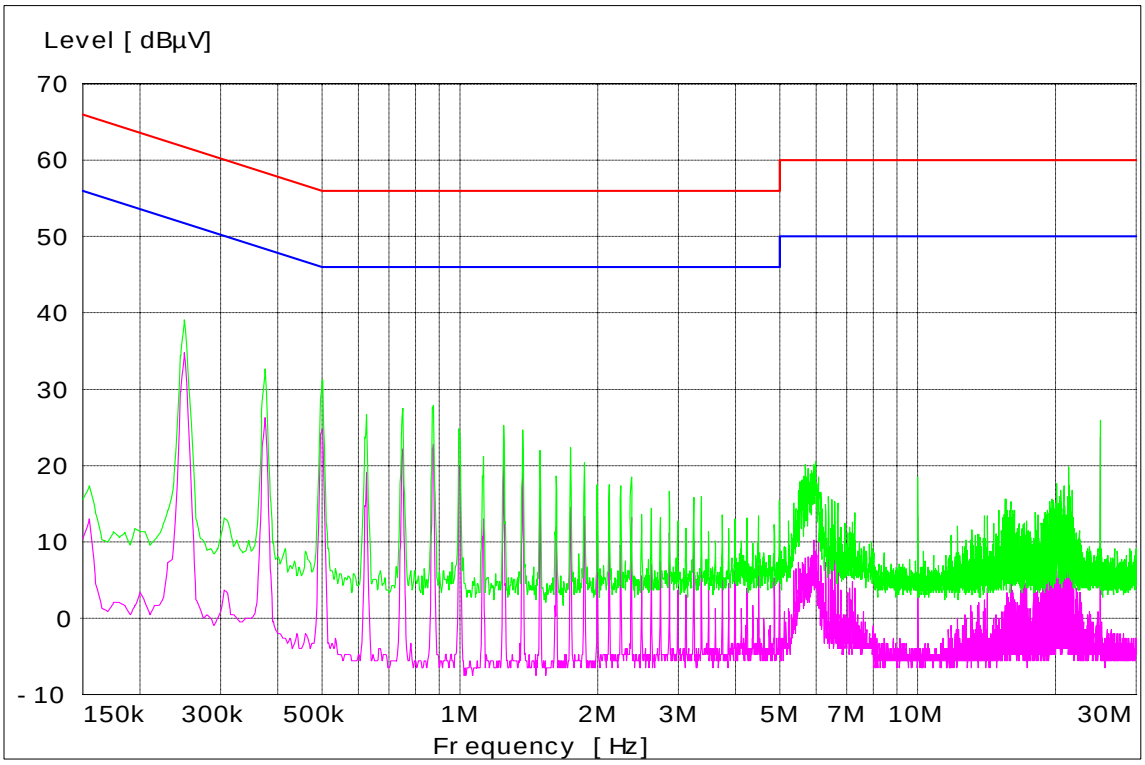
Bluetooth Channel 0 2402MHz - Tx Mode - Neutral Coupling Hopping



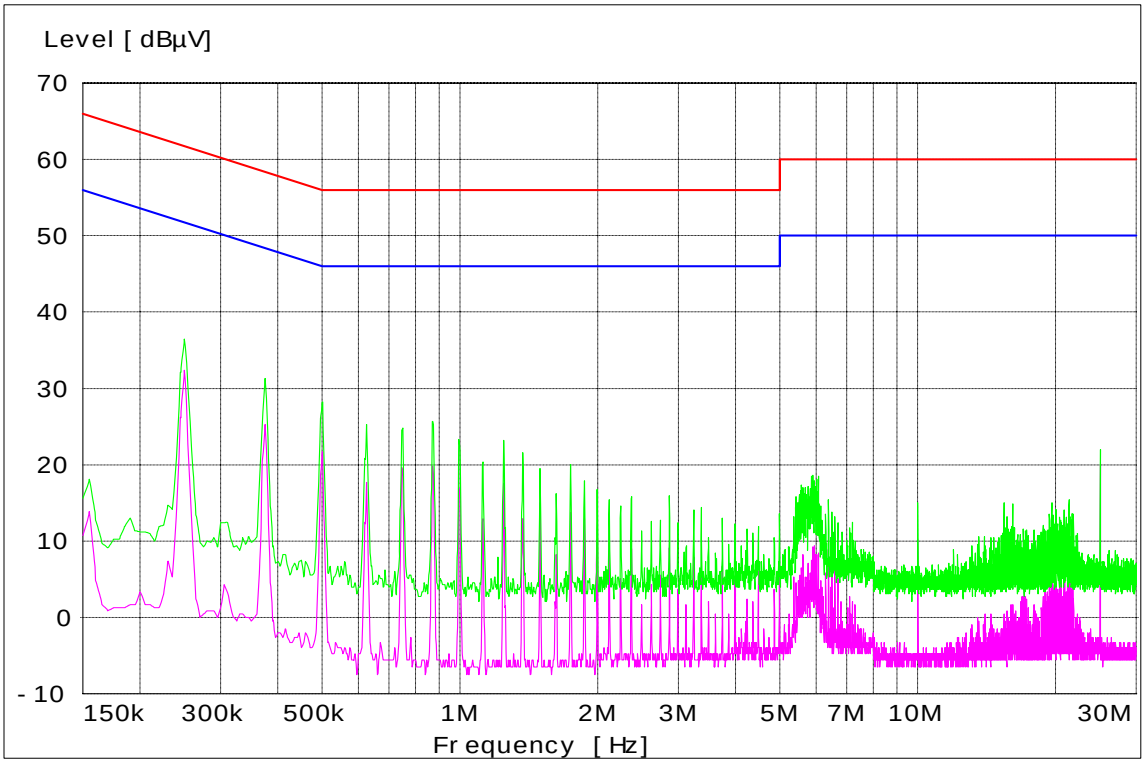
Bluetooth Channel 39 2441MHz - Tx Mode - Line Coupling Nonhopping



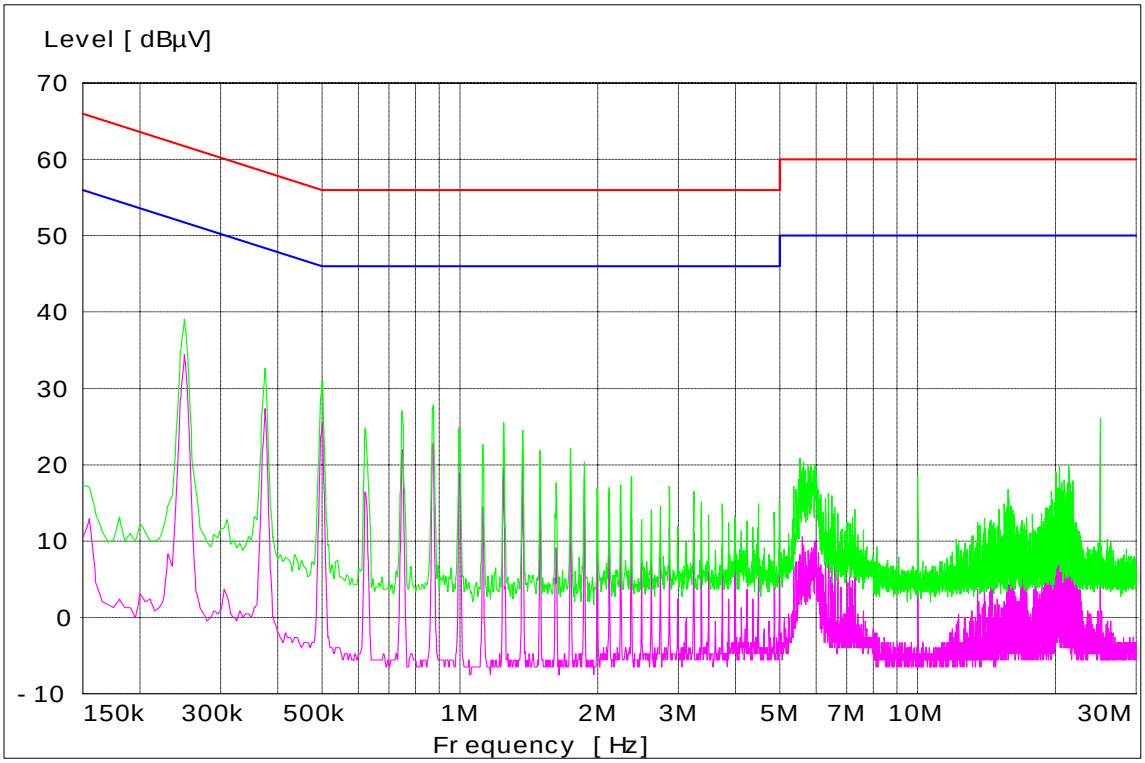
Bluetooth Channel 39 2441MHz - Tx Mode - Neutral Coupling Hopping



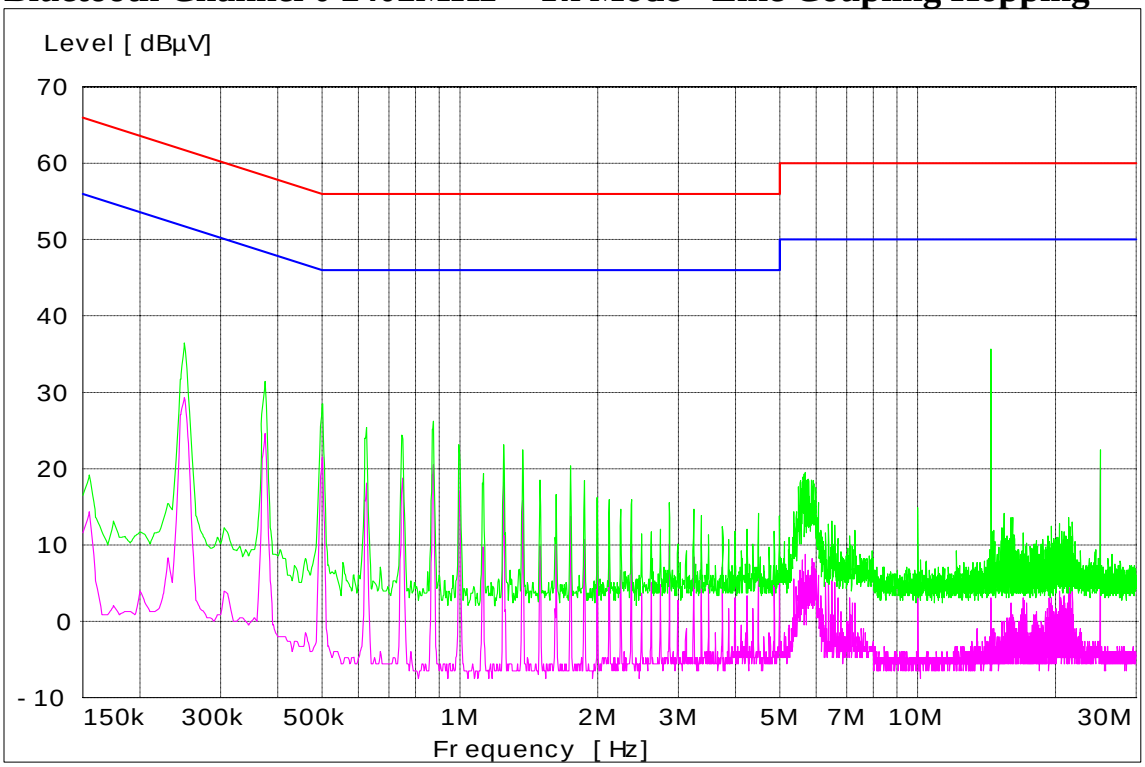
Bluetooth Channel 78 2480MHz - Tx Mode - Line Coupling Hopping



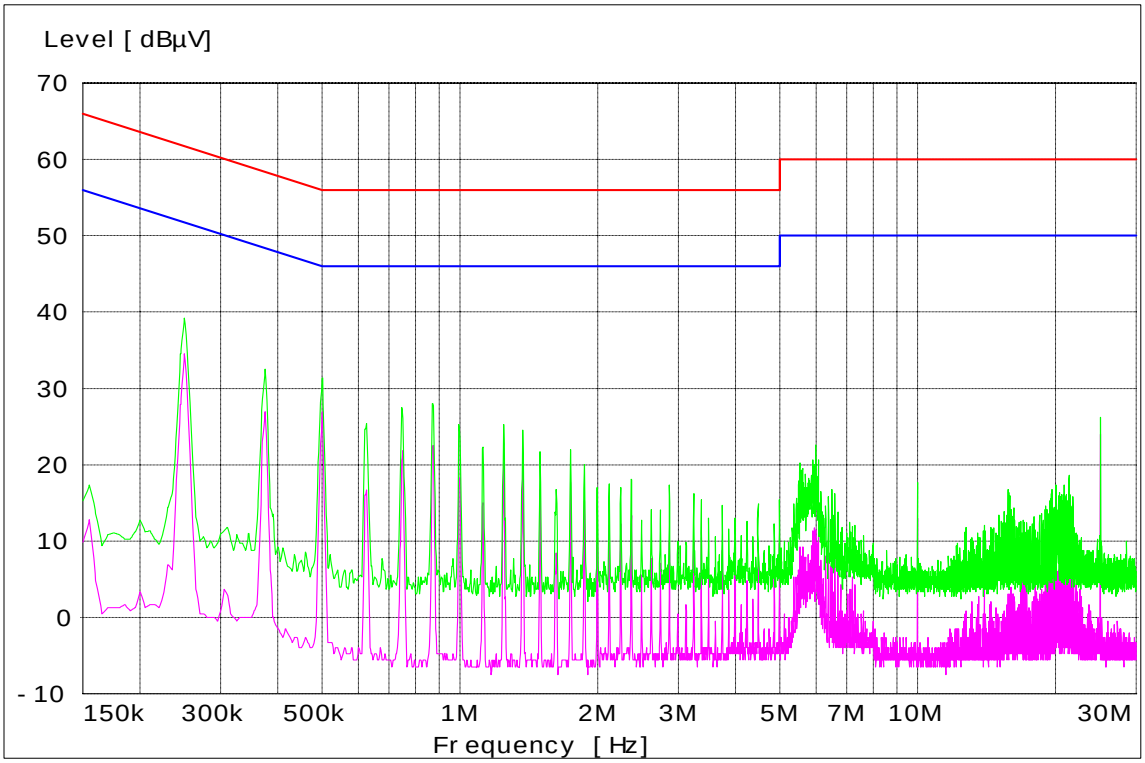
Bluetooth Channel 78 2480MHz - Tx Mode - Neutral Coupling Hopping



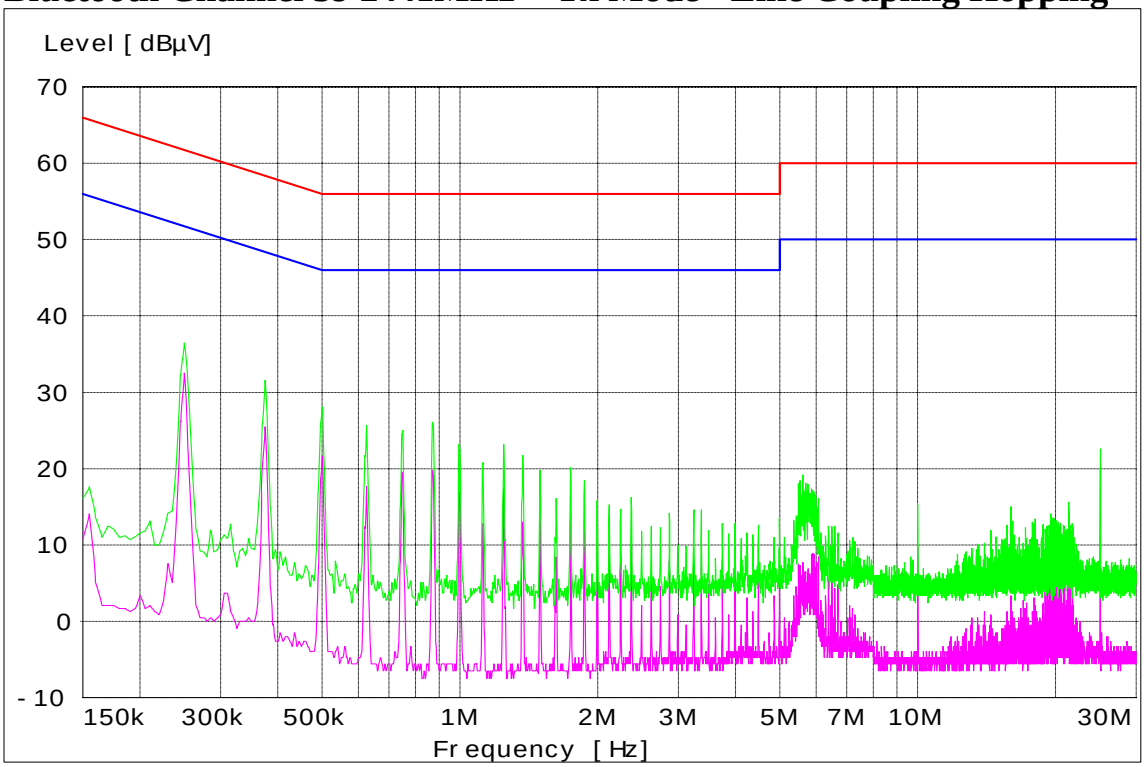
Bluetooth Channel 0 2402MHz - Tx Mode - Line Coupling Hopping



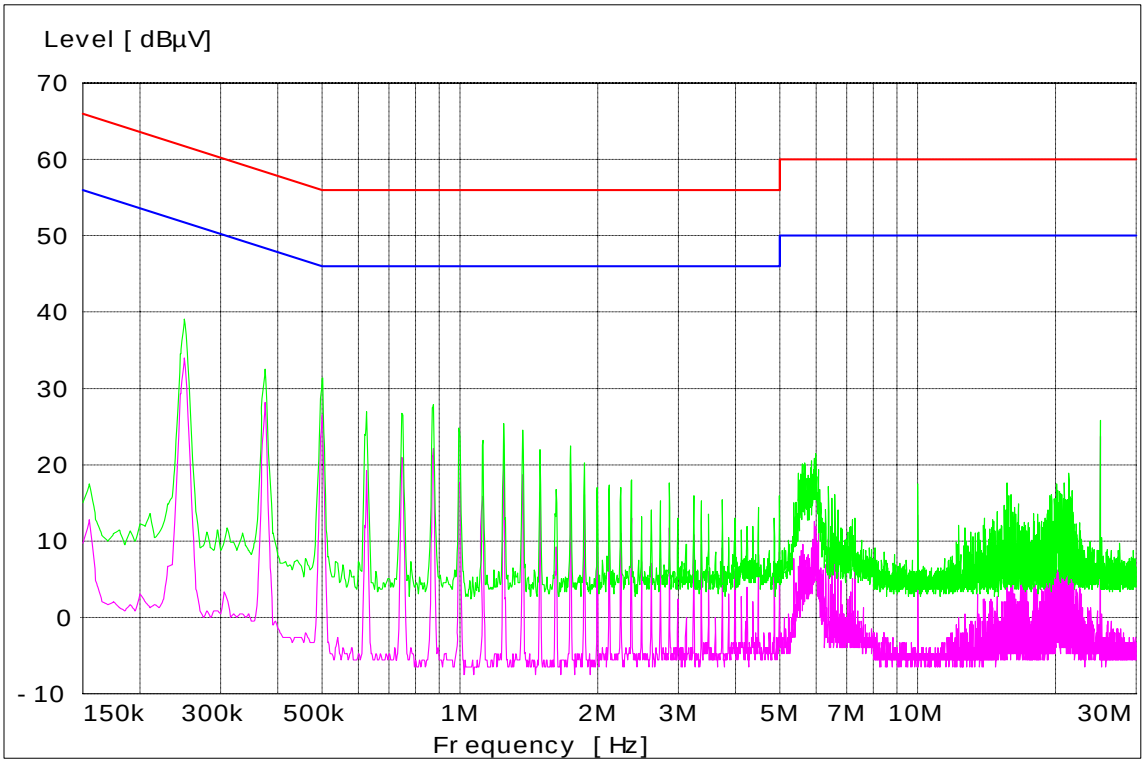
Bluetooth Channel 0 2402MHz - Tx Mode - Neutral Coupling Nonhopping



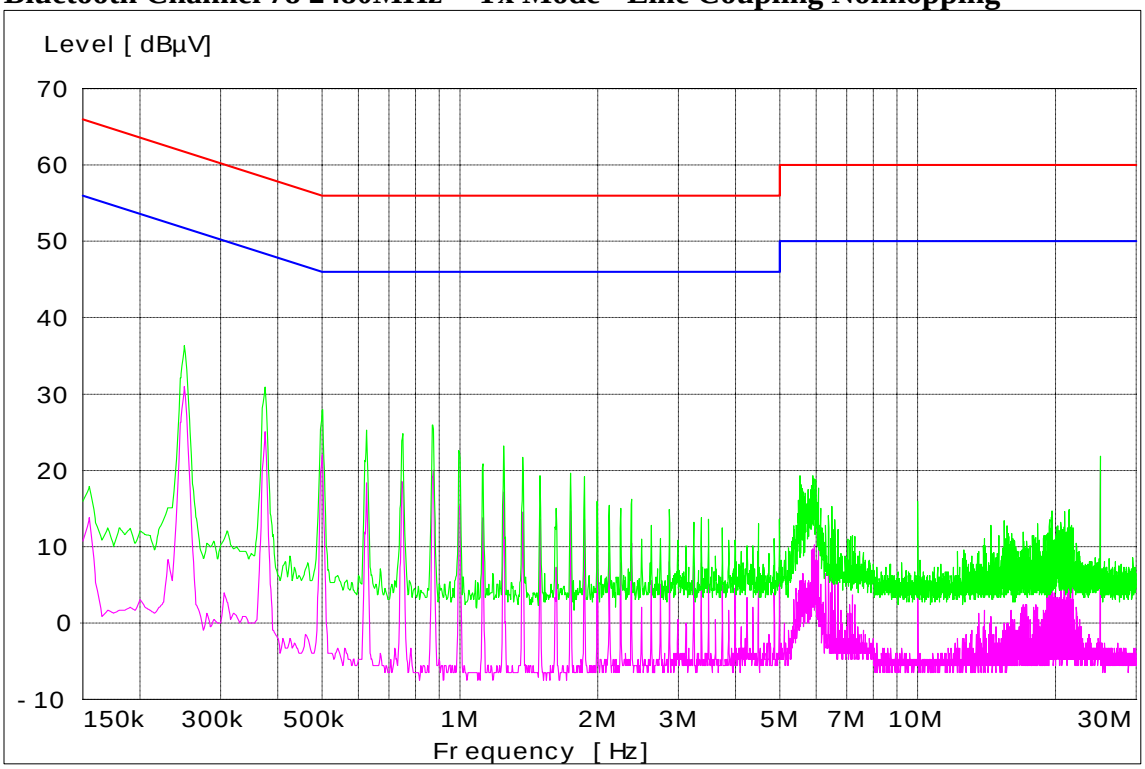
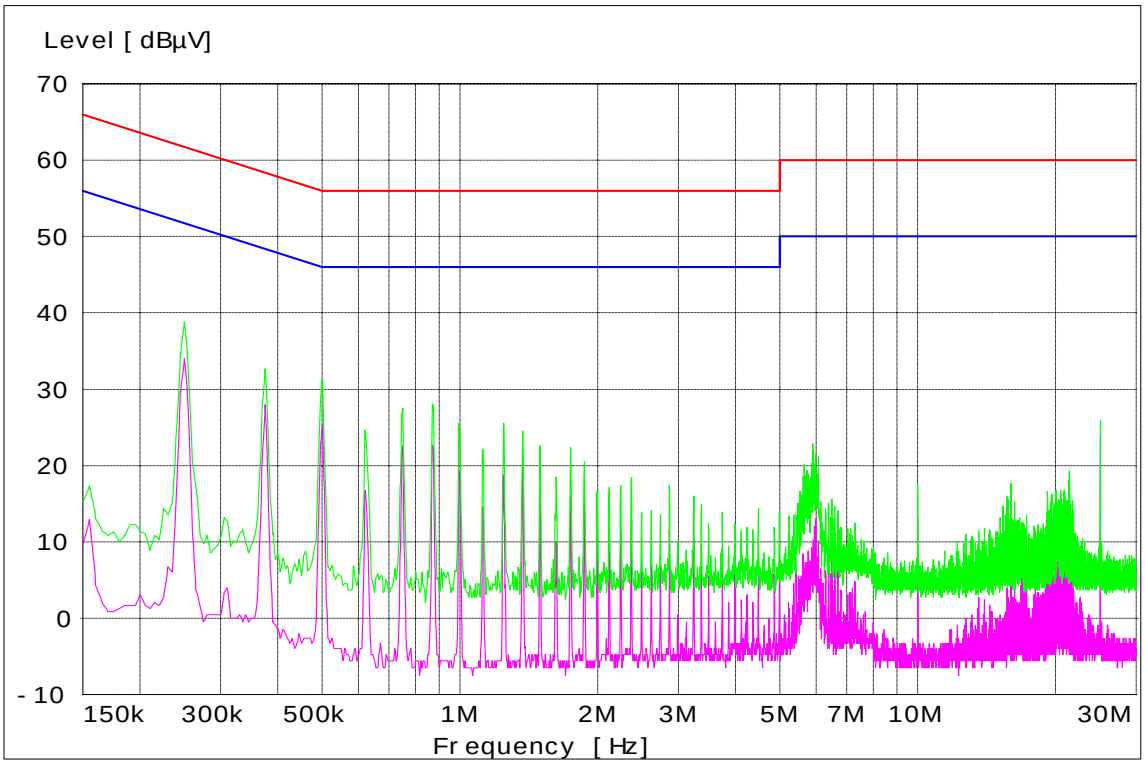
Bluetooth Channel 39 2441MHz - Tx Mode - Line Coupling Hopping



Bluetooth Channel 39 2441MHz - Tx Mode - Neutral Coupling Nonhopping



Bluetooth Channel 78 2480MHz - Tx Mode - Line Coupling Nonhopping



Bluetooth Channel 78 2480MHz - Tx Mode - Neutral Coupling Nonhopping