

Annex C - Band Edges

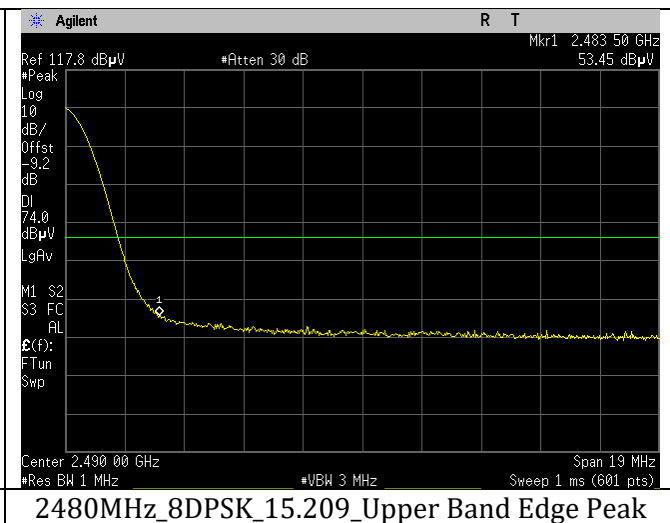
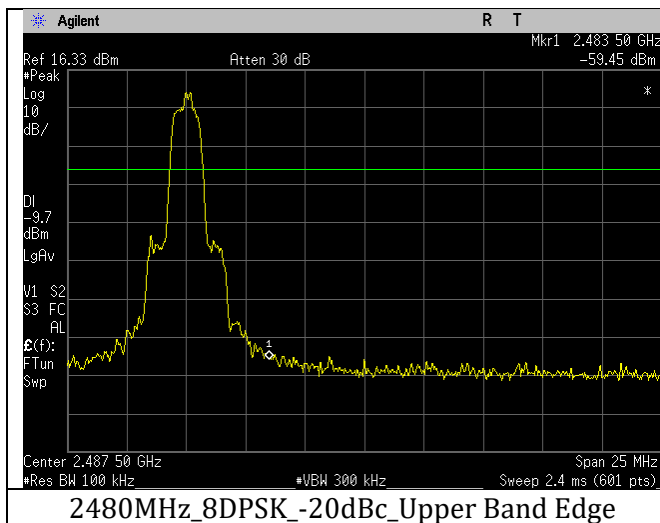
Naming Convention

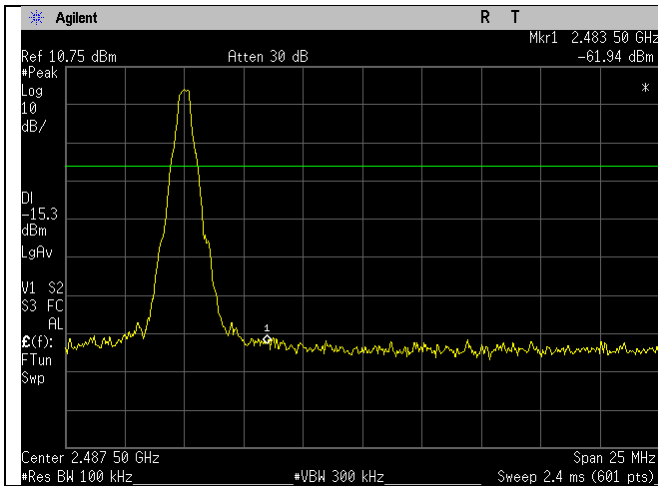
Frequency (MHz)_Modulation (GFSK, Pi_4DQPSK, 8DPSK)_Measurement Type (15.209, -20dB)
Measurement (Upper Band Edge, Lower Band Edge)

Note for 15.209 measurements: below measurements are in units of dBuV/m at 3meters. These measurements are performed conducted in lieu of radiated as permitted by ANSI C63.10-2013. The following formula was used in making such conversions:

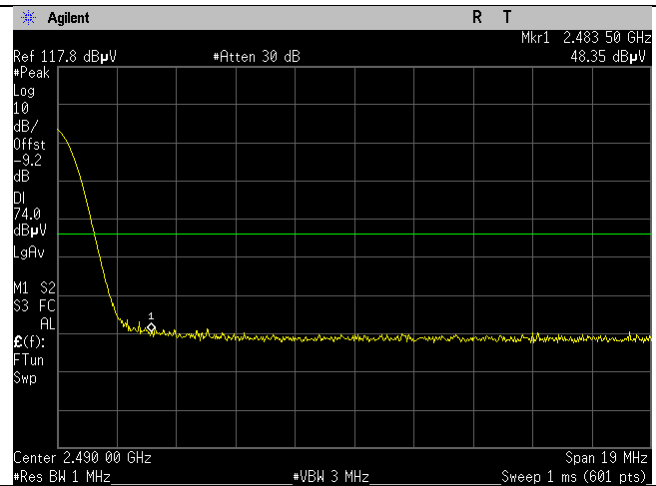
Above 1GHz: $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] - 20 \log(d[\text{m}]) + 104.77$, where E is field strength and d is distance at which the field strength limit is specified in the applicable requirements. $E[\text{dB}\mu\text{V}/\text{m}] = \text{EIRP}[\text{dBm}] + 95.2$, for $d = 3 \text{ m}$. Straight conversion between $E[\text{dB}\mu\text{V}/\text{m}]$ and $\text{EIRP}[\text{dBm}] = 107$. Thus offset for dBuV/m at 3meters is $95.2 - 107 + \text{antenna gain}$.

Below 1GHz: above is true in addition to adding ground plane contribution of 4.7dB. thus offset for dBuV/m at 3meters is $95.2 - 107 + 4.7 + \text{antenna gain}$.

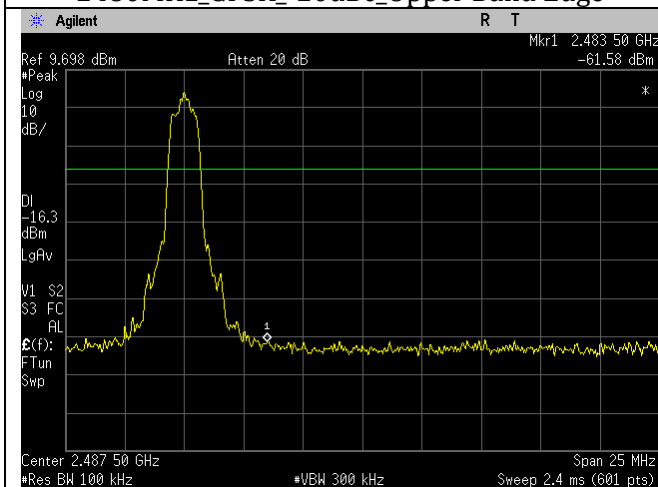




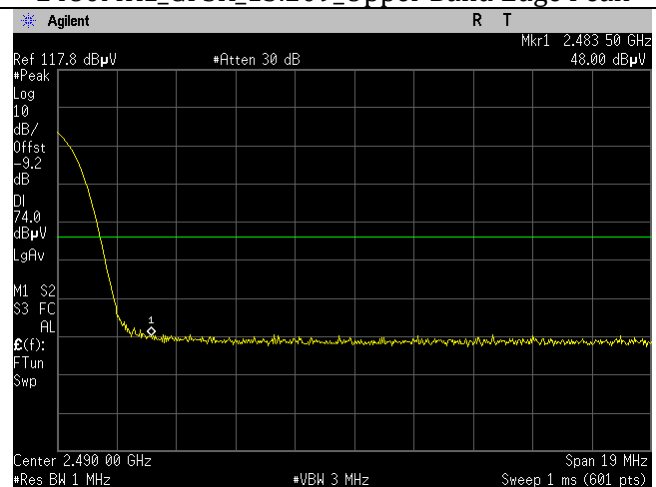
2480MHz_GFSK_-20dBc_Upper Band Edge



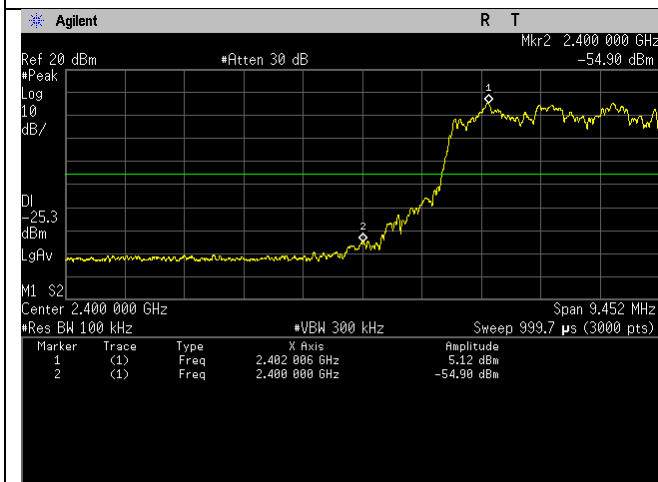
2480MHz_GFSK_15.209_Upper Band Edge Peak



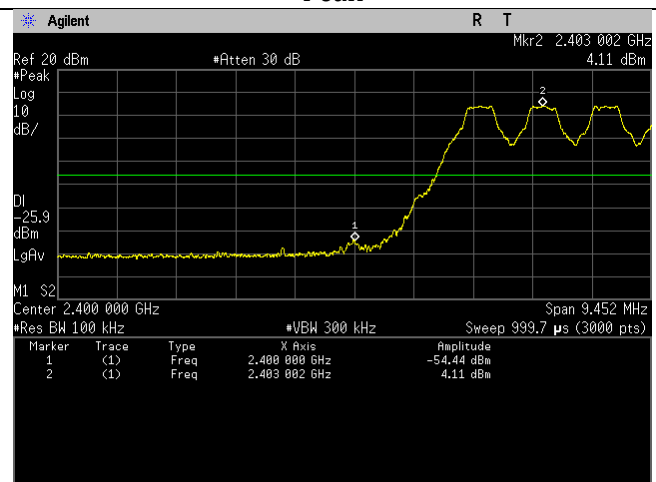
2480MHz_Pi_4DQPSK_-20dBc_Upper Band Edge



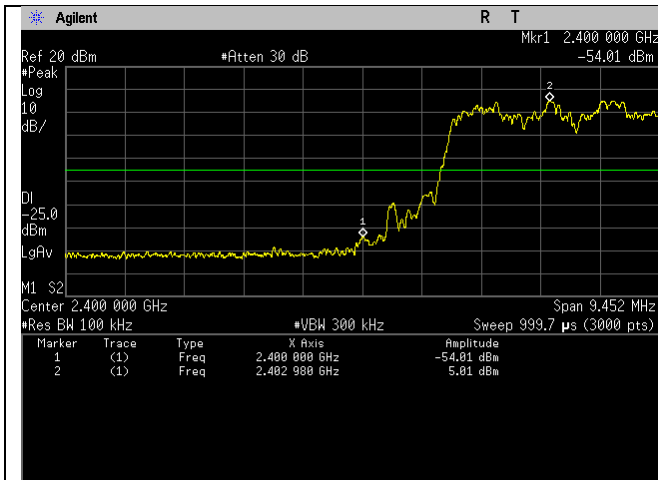
2480MHz_Pi_4DQPSK_15.209_Upper Band Edge Peak



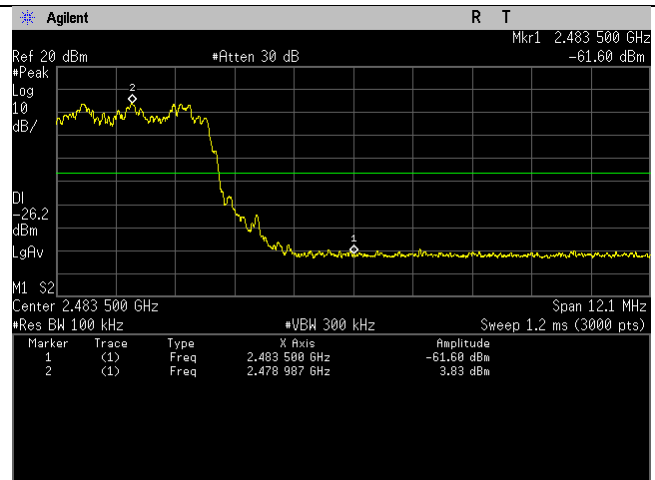
Hopping Mode Lower Band Edge 8DPSK.gif



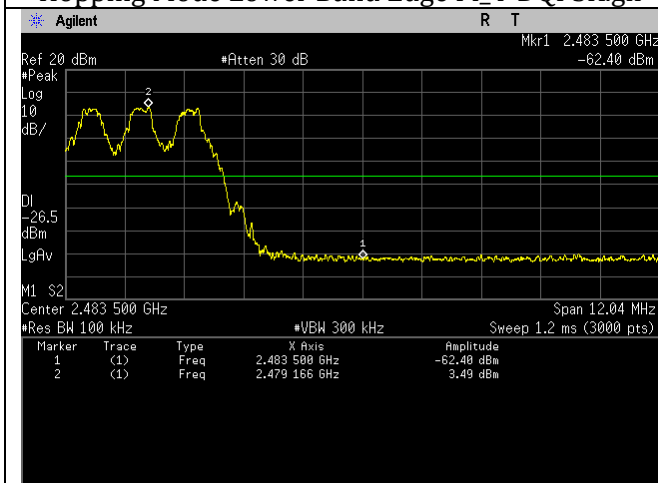
Hopping Mode Lower Band Edge GFSK.gif



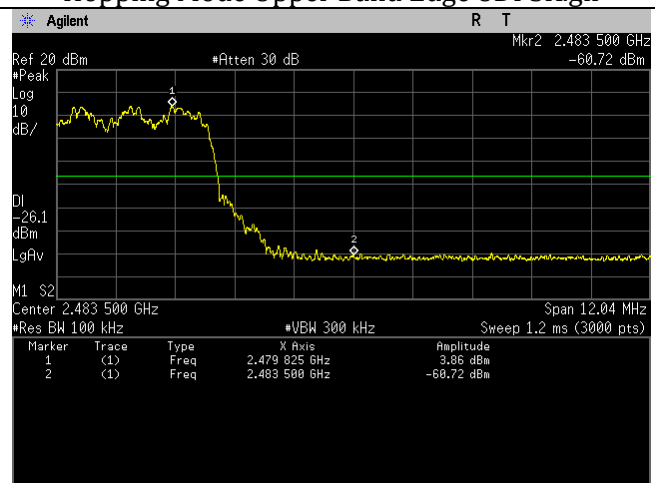
Hopping Mode Lower Band Edge Pi_4-DQPSK.gif



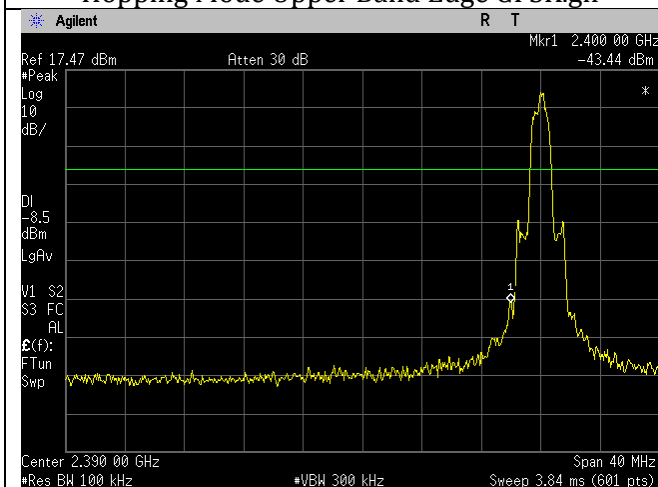
Hopping Mode Upper Band Edge 8DPSK.gif



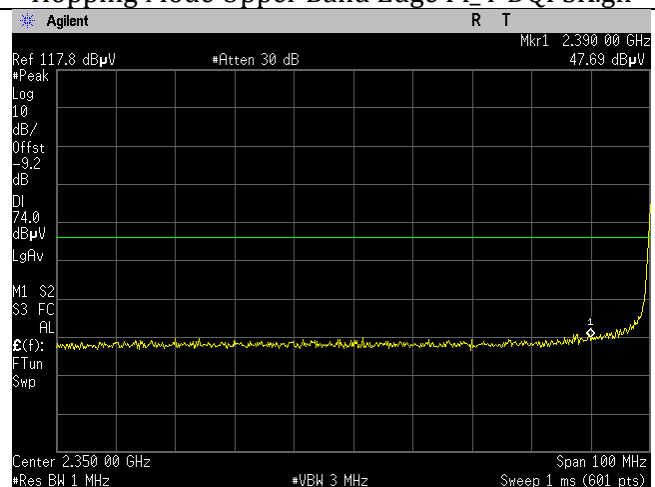
Hopping Mode Upper Band Edge GFSK.gif



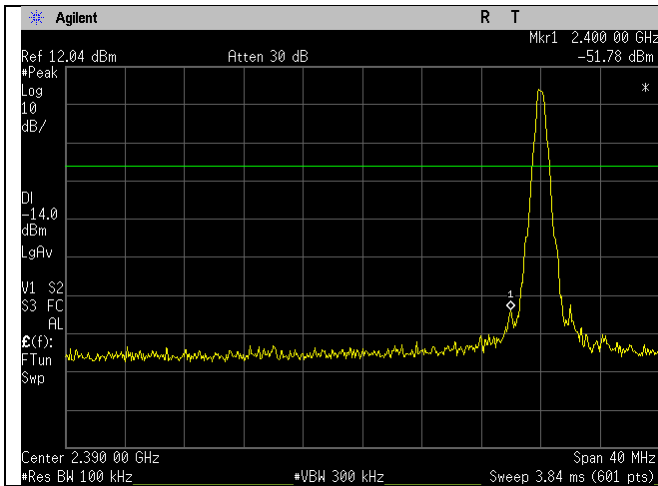
Hopping Mode Upper Band Edge Pi_4-DQPSK.gif



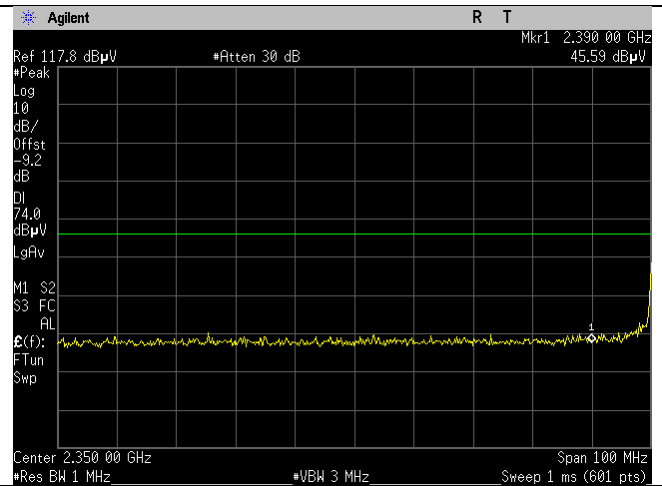
2402MHz_8DPSK_-20dBc_Lower Band Edge



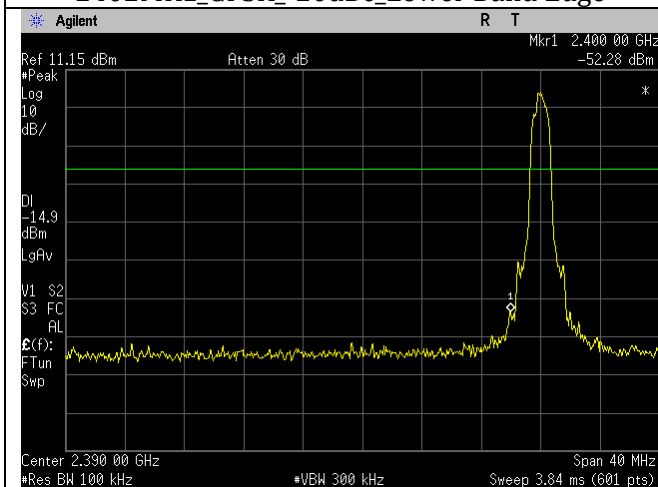
2402MHz_8DPSK_15.209_Lower Band Edge Peak



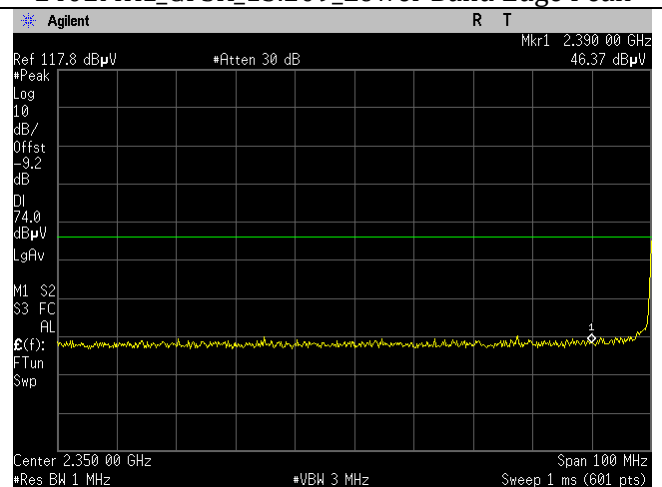
2402MHz_GFSK_-20dBc_Lower Band Edge



2402MHz_GFSK_15.209_Lower Band Edge Peak



2402MHz_Pi_4DQPSK_-20dBc_Lower Band Edge



2402MHz_Pi_4DQPSK_15.209_Lower Band Edge Peak