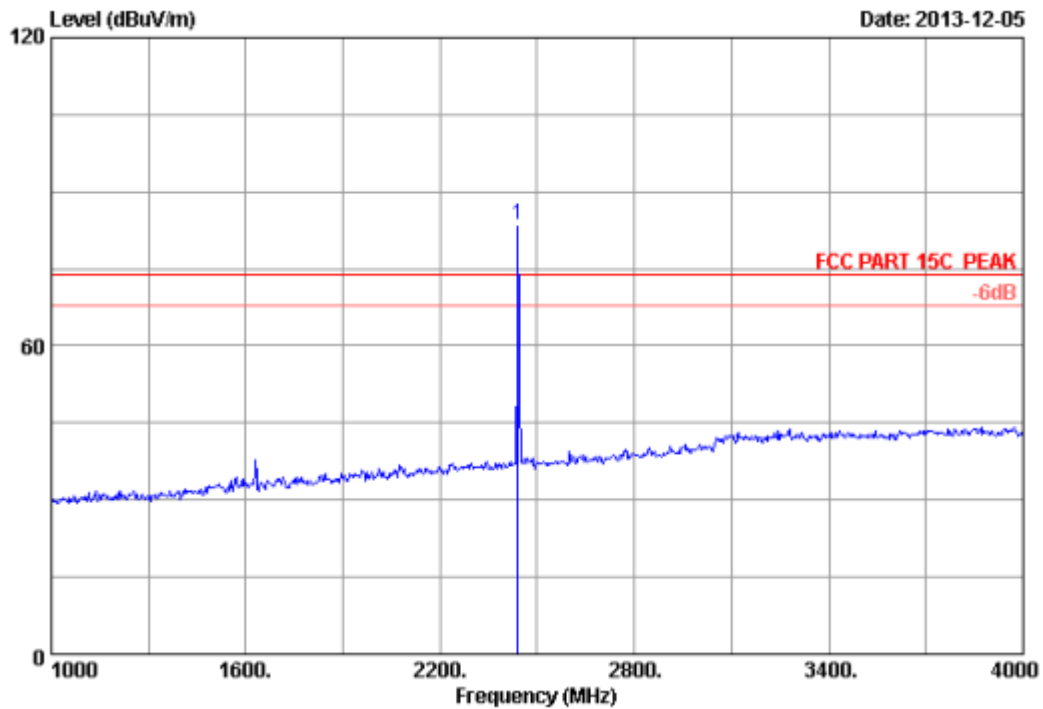
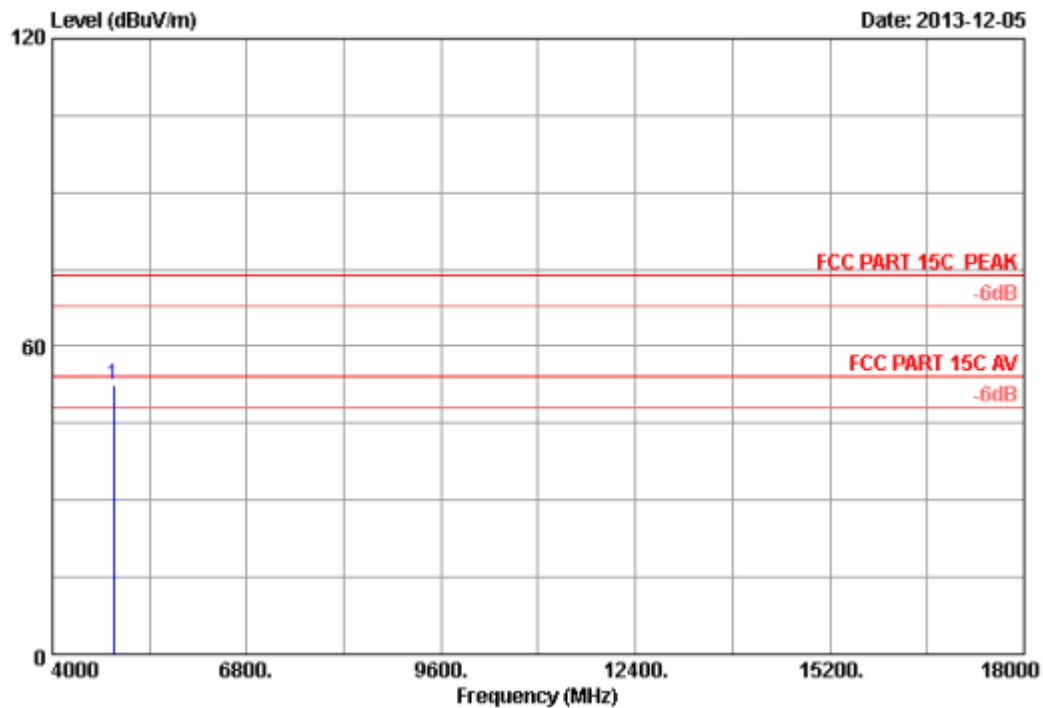
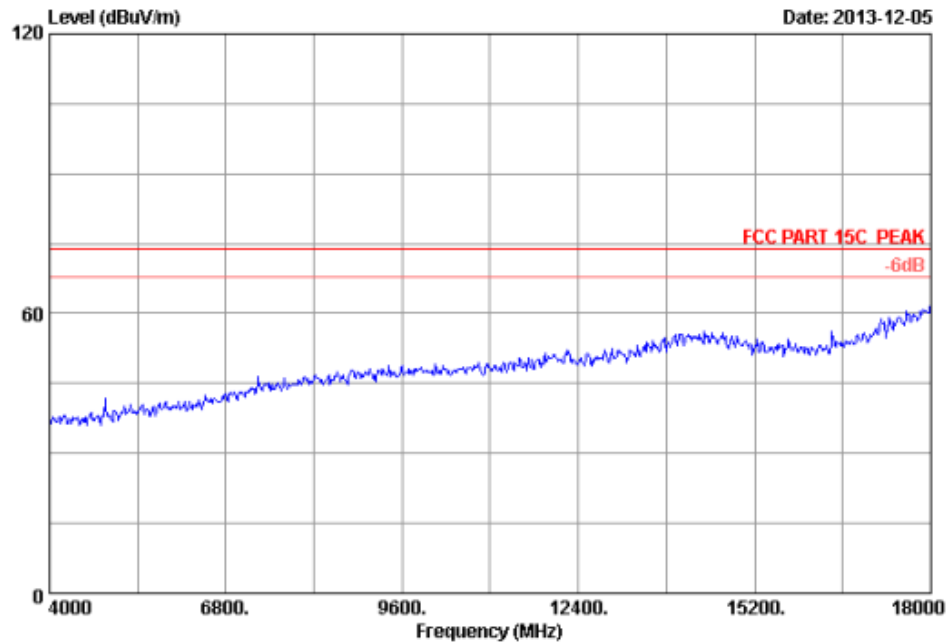


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4882.000	32.99	8.64	35.70	47.34	53.27	74.00	20.73	Peak

6.3.18 Diagram 6-18

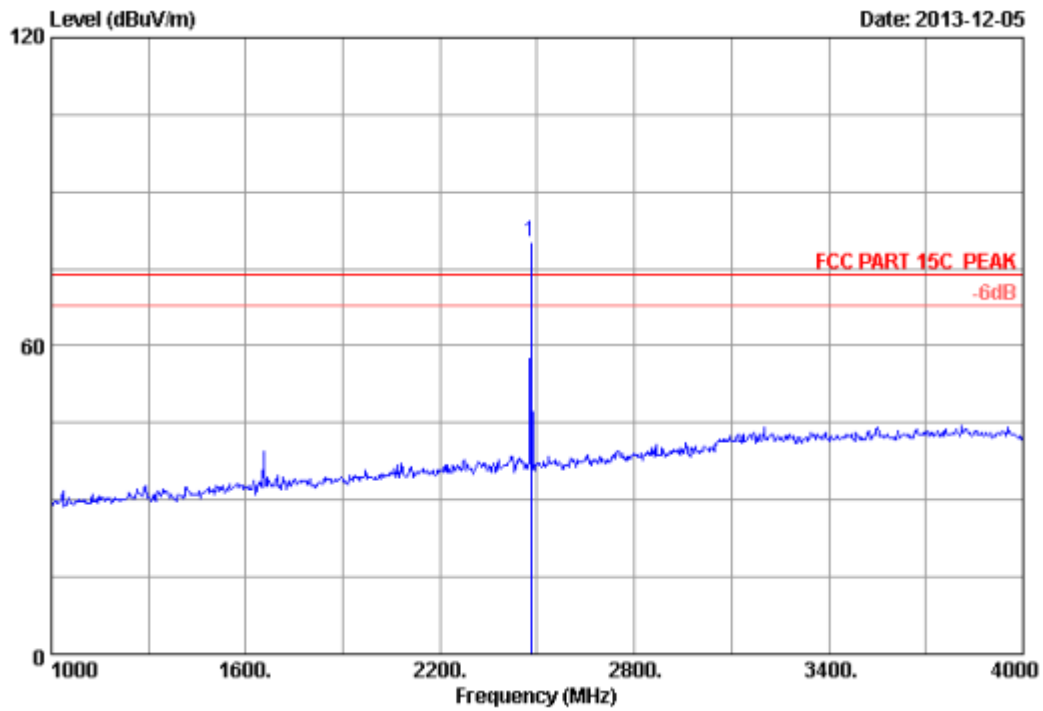


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2441.000	28.27	5.86	35.70	85.23	83.66			Peak

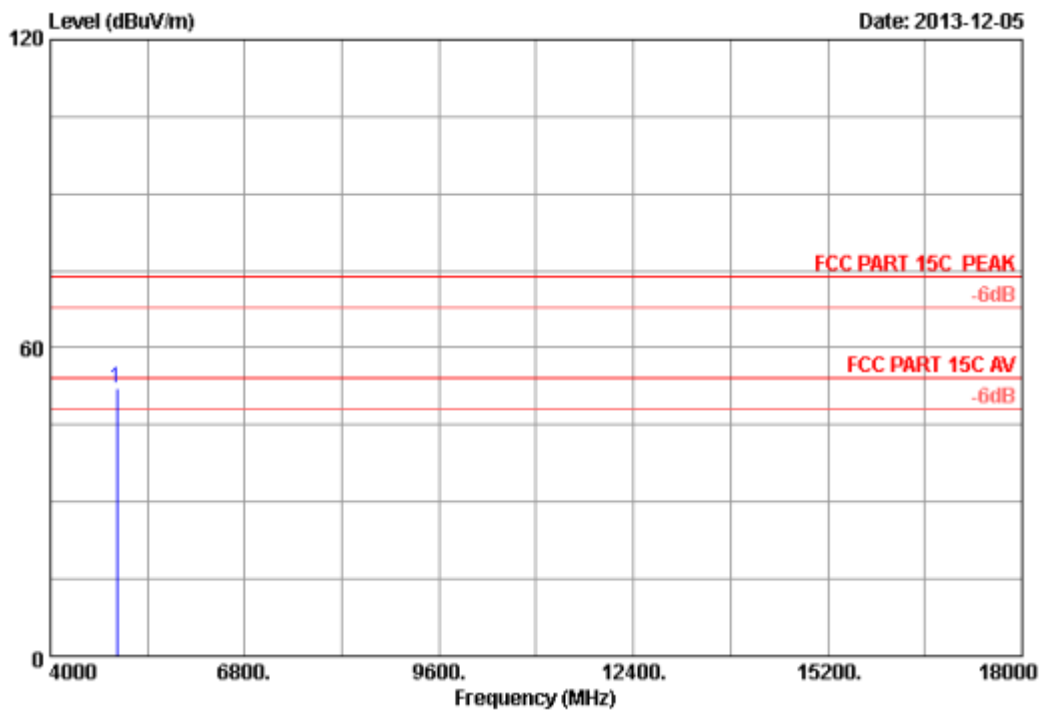
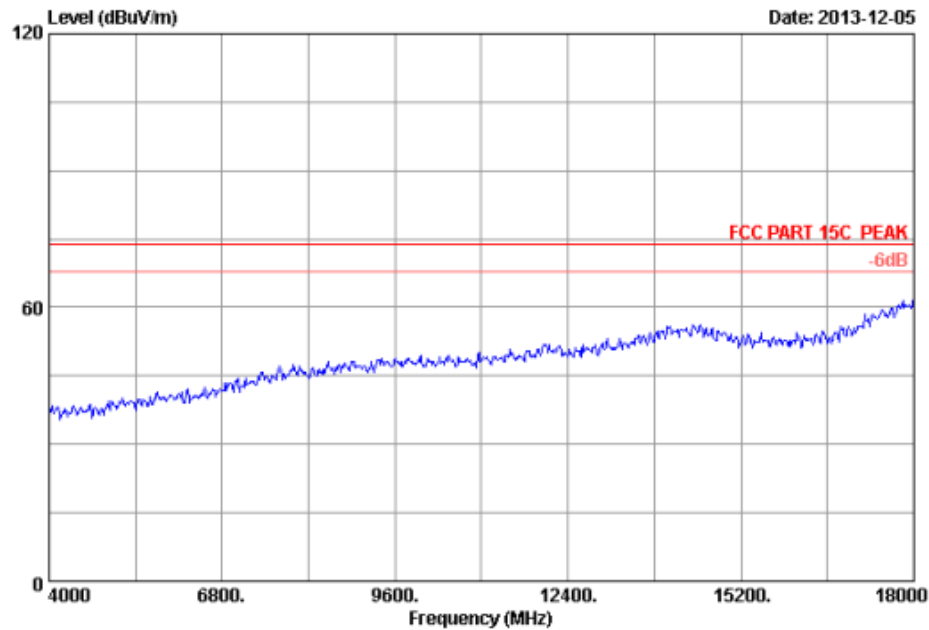


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4882.000	32.99	8.64	35.70	46.53	52.46	74.00	21.54	Peak

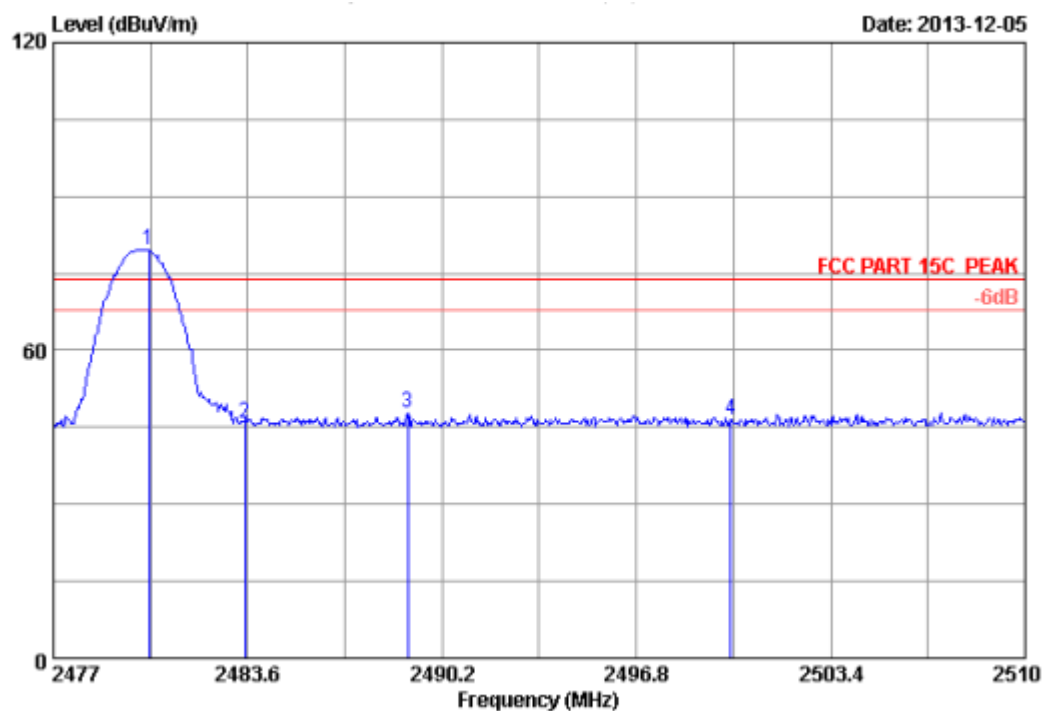
6.3.19 Diagram 6-19



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.36	5.91	35.70	81.76	80.33	-	-	Peak

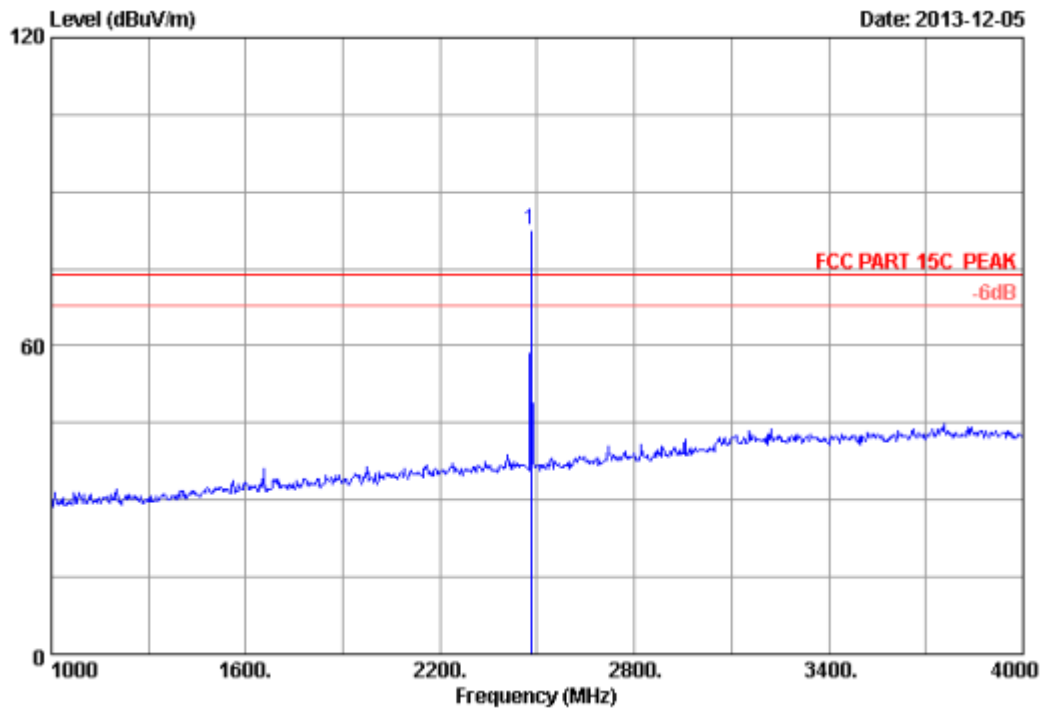


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4960.000	33.13	8.72	35.70	45.86	52.01	74.00	21.99	Peak

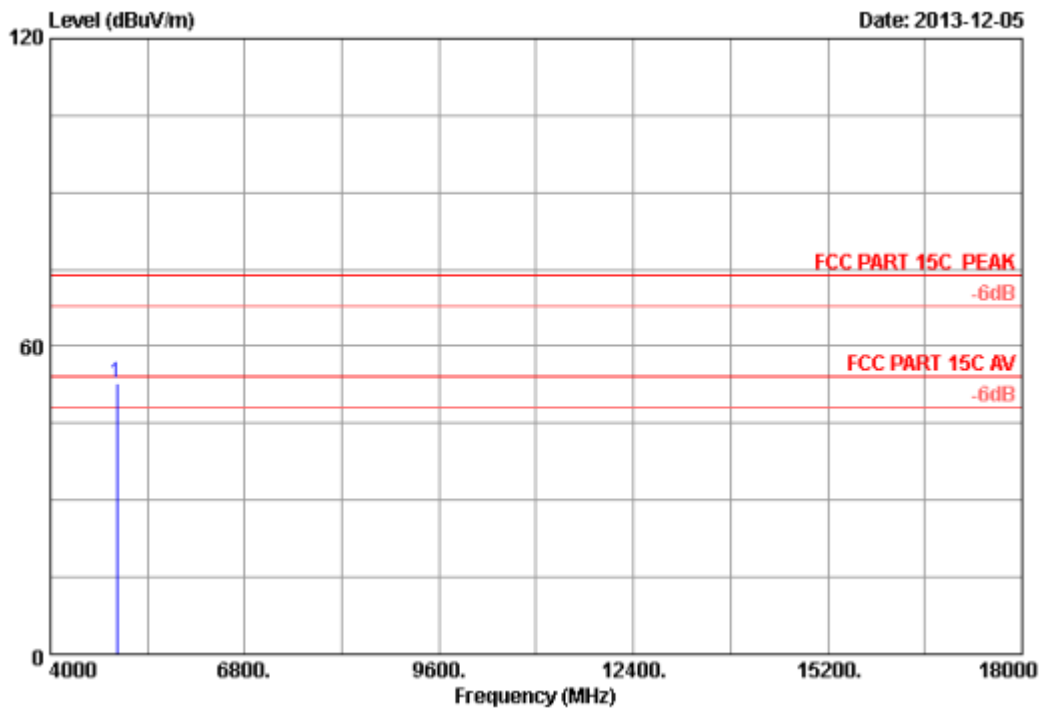
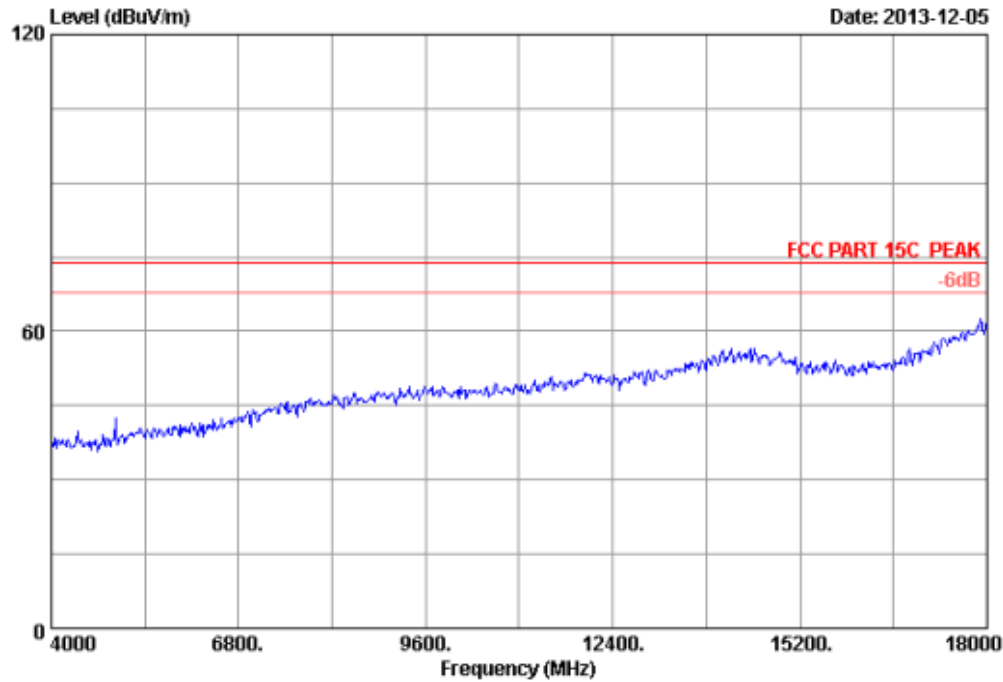


	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.234	28.36	5.91	35.70	81.12	79.69			Peak
2	2483.500	28.36	5.92	35.70	47.24	45.82	74.00	28.18	Peak
3	2489.045	28.38	5.93	35.70	49.25	47.86	74.00	26.14	Peak
4	2500.000	28.40	5.94	35.70	47.93	46.57	74.00	27.43	Peak

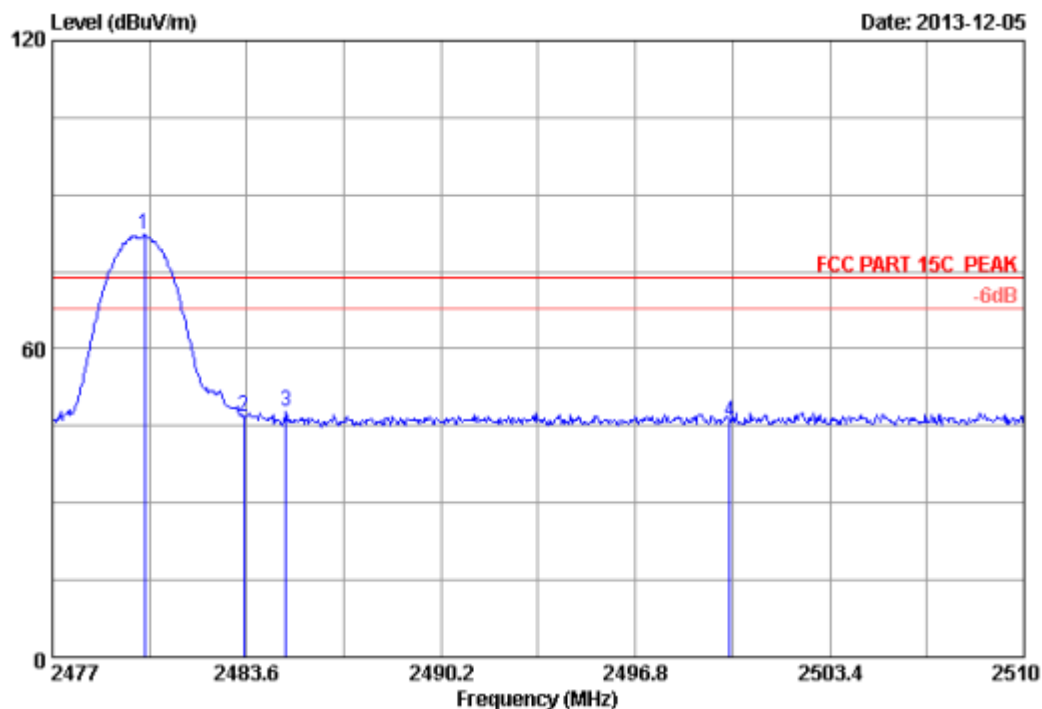
6.3.20 Diagram 6-20



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.36	5.91	35.70	83.95	82.52			Peak



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	4960.000	33.13	8.72	35.70	46.60	52.75	74.00	21.25	Peak



	Freq. (MHz)	Ant. Factor (dB/m)	Cable loss (dB)	Amp. Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.135	28.36	5.91	35.70	83.65	82.22			Peak
2	2483.500	28.36	5.92	35.70	48.10	46.68	74.00	27.32	Peak
3	2484.920	28.37	5.92	35.70	49.04	47.63	74.00	26.37	Peak
4	2500.000	28.40	5.94	35.70	47.04	45.68	74.00	28.32	Peak

7. 20 dB & 99%bandwidth Test

7.1 Test Procedure

Clause 15.215(c) 20dB Bandwidth:

Intentional radiators operating under the alternative provisions to the general emission limits, as contained in 15.217 through 15.257 and in Subpart E of this part, must be designed to ensure that the 20 dB bandwidth of the emission, or whatever bandwidth may otherwise be specified in the specific rule section under which the equipment operates, is contained within the frequency band designated in the rule section under which the equipment is operated. The requirement to contain the designated bandwidth of the emission within the specified frequency band includes the effects from frequency sweeping, frequency hopping and other modulation techniques that may be employed as well as the frequency stability of the transmitter over expected variations in temperature and supply voltage. If a frequency stability is not specified in the regulations, it is recommended that the fundamental emission be kept within at least the central 80% of the permitted band in order to minimize the possibility of out-of-band operation.

7.2 Measurement Equipment

Item	Equipment	Last Calibration	Type	Serial No.	Manufacturer
1	Spectrum	May.08, 13	E4446A	US44300459	Agilent

7.3 Test Result:

Modulation	Channel	99% bandwidth (kHz)	20dB bandwidth (kHz)
GFSK	CHL	831.49	843.6
	CHM	831.09	838.2
	CHH	833.17	848.1

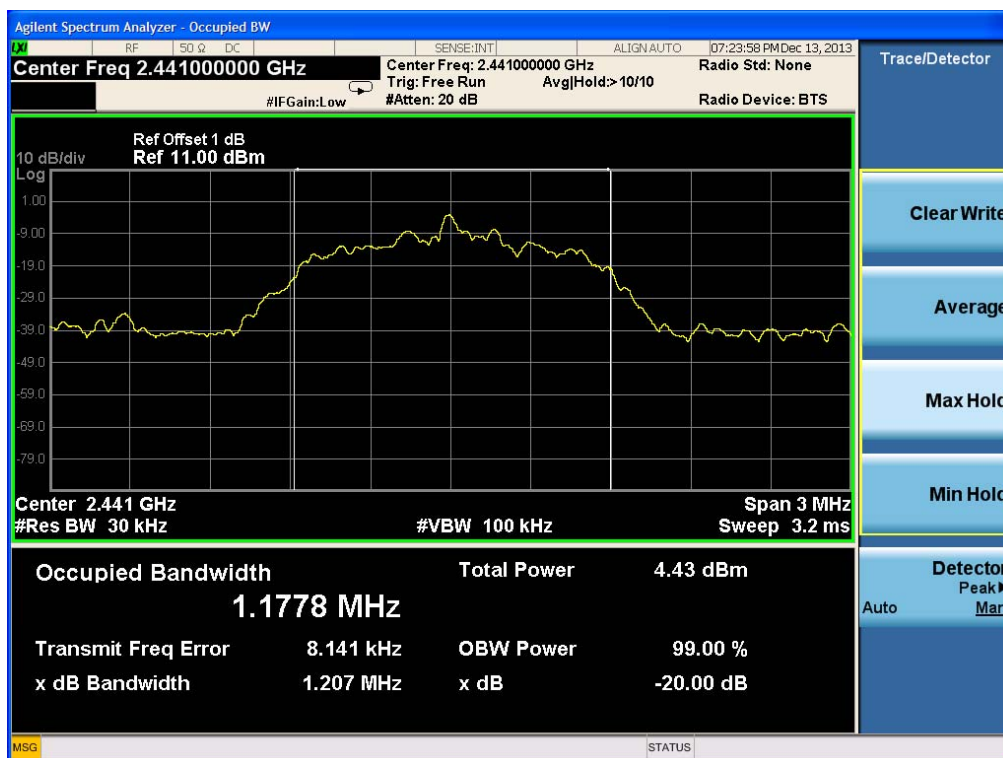
GFSK diagrams are as below:

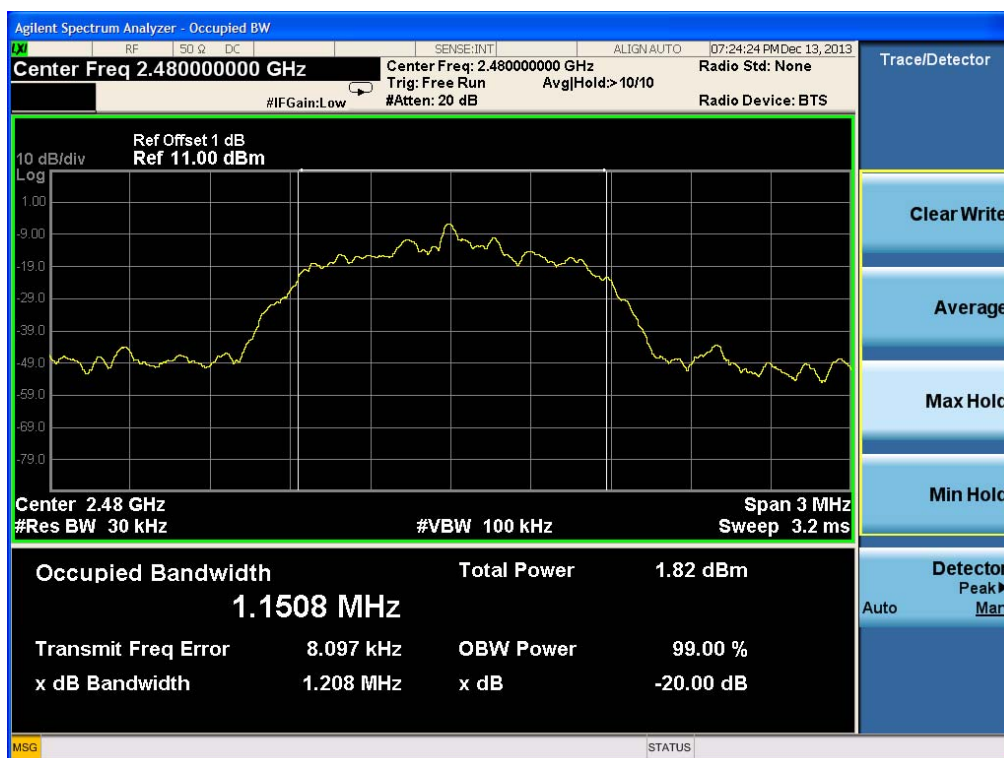




Modulation	Channel	99% bandwidth(MHz)	20dB bandwidth(MHz)
8DPSK	CHL	1.2272	1.211
	CHM	1.1778	1.207
	CHH	1.1508	1.208

8DPSK diagrams are as below:





Modulation	Channel	99% bandwidth(MHz)	20dB bandwidth(MHz)
$\pi/4$ DQPSK	CHL	1.2695	1.210
	CHM	1.2066	1.215
	CHH	1.1691	1.211

$\pi/4$ DQPSK diagrams are as below:





8. Band Edge Compliance Test

8.1 Test Procedure

According to §15.247(d), in any 100 kHz bandwidth outside the frequency bands in which the spread spectrum intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power.

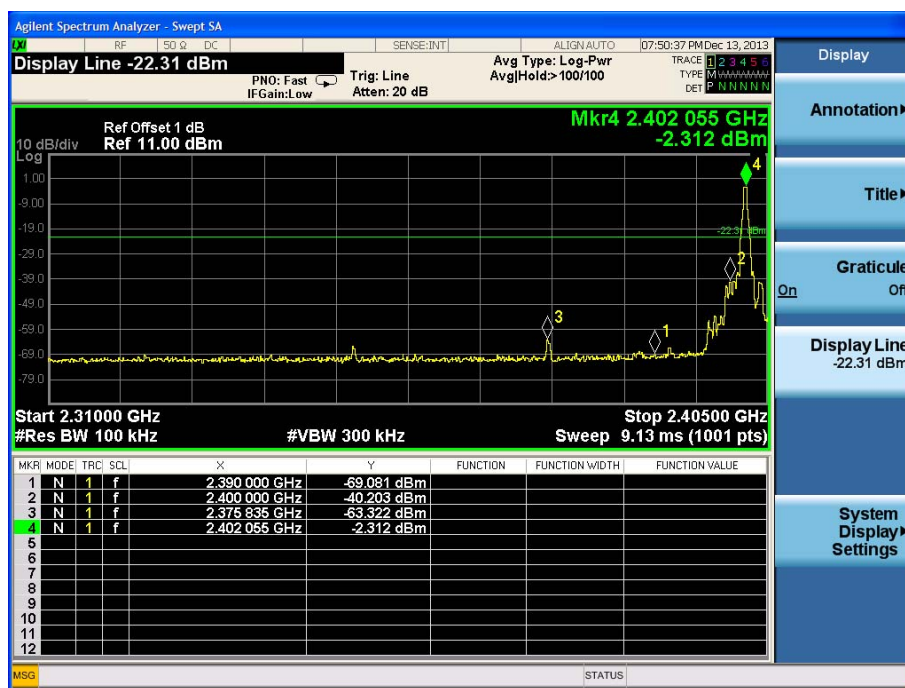
8.2 Measurement Equipment

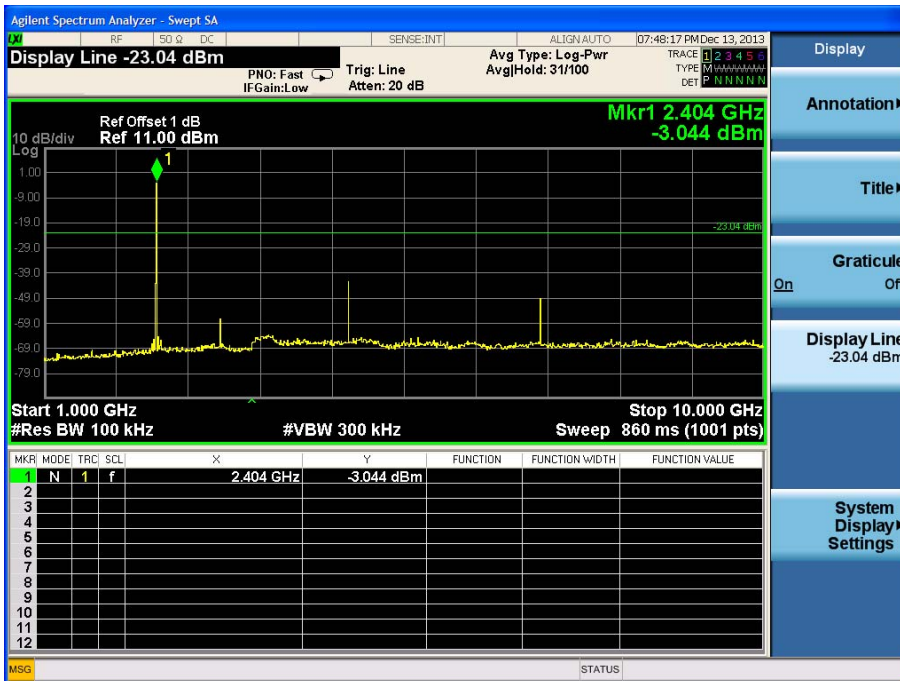
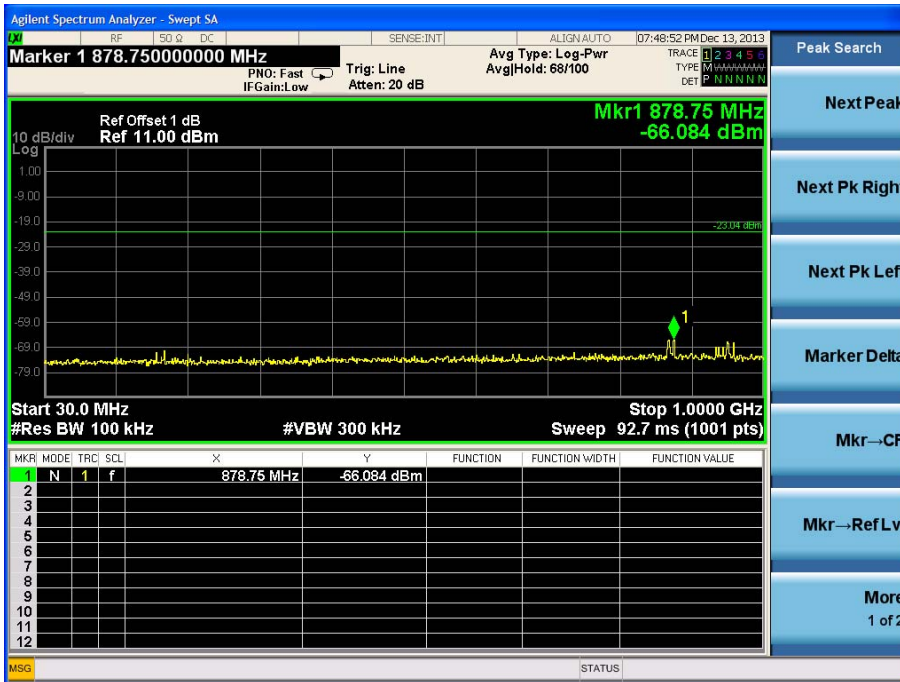
Item	Equipment	Last Calibration	Type	Serial No.	Manufacturer
1	Spectrum	May.08, 13	E4446A	US44300459	Agilent

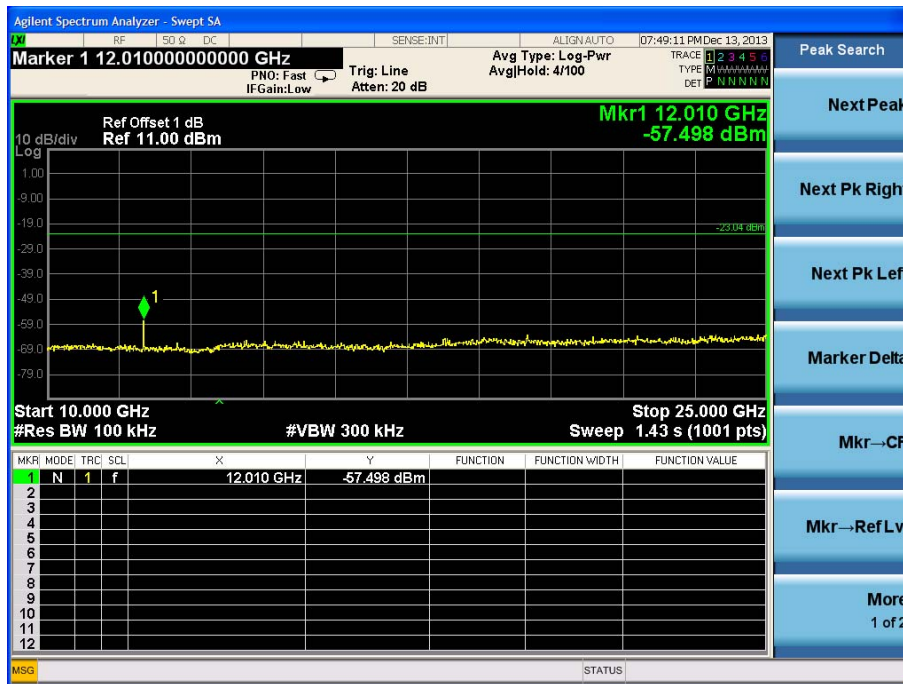
8.3 Test Result

REMARK : Hopping off and Hopping on modes all have been tested, Hopping off mode is the worse case and recorded as below

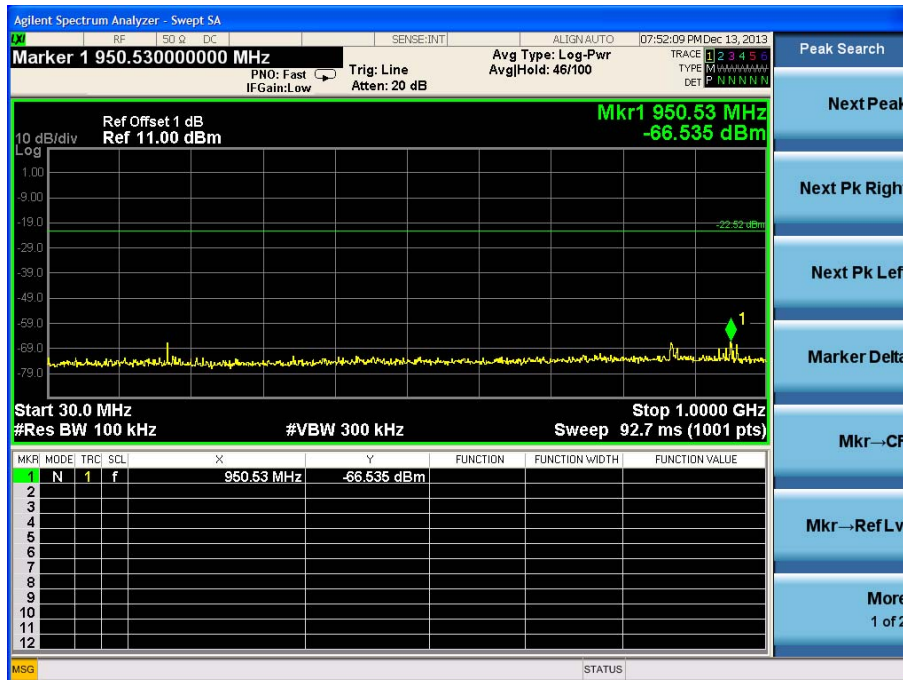
GFSK Hopping off CHL :

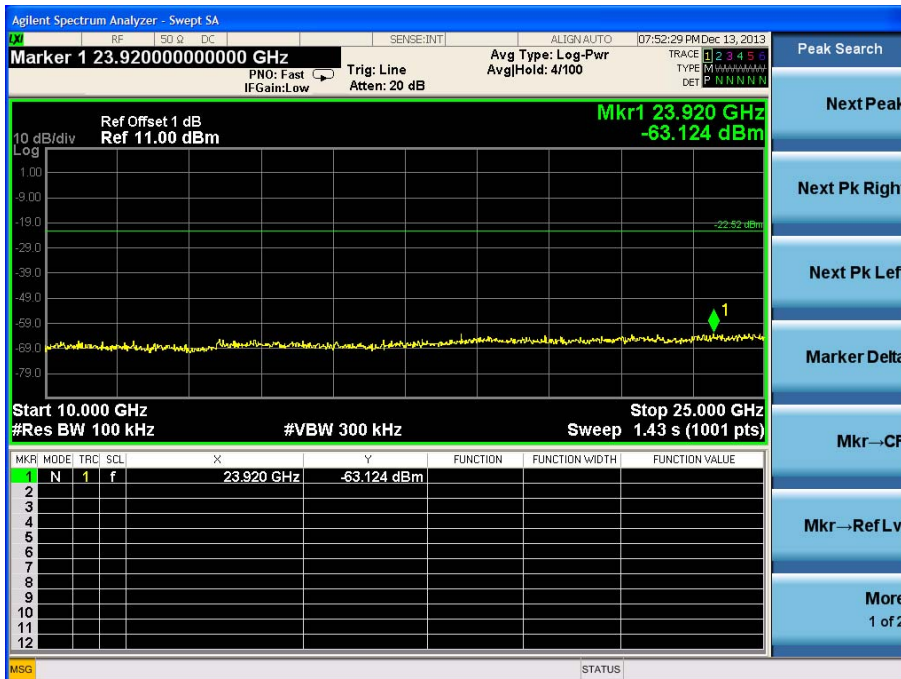
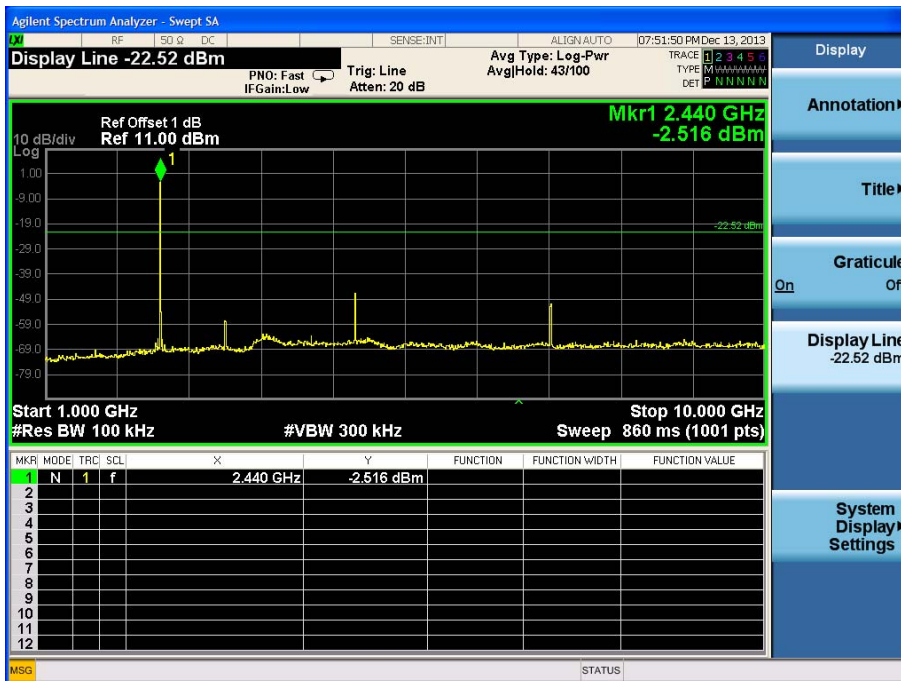






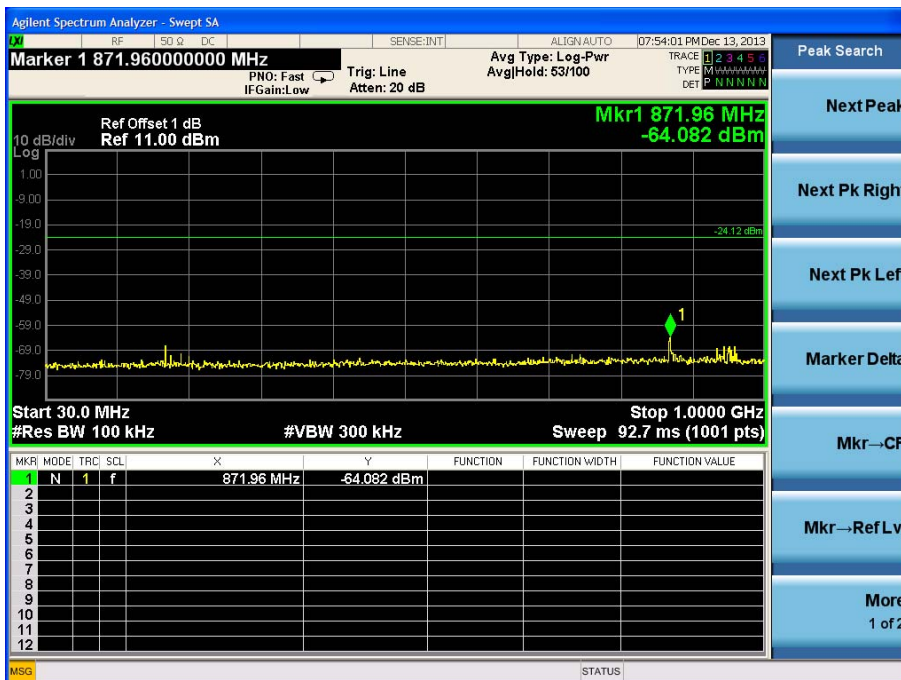
GFSK Hopping off CHM:

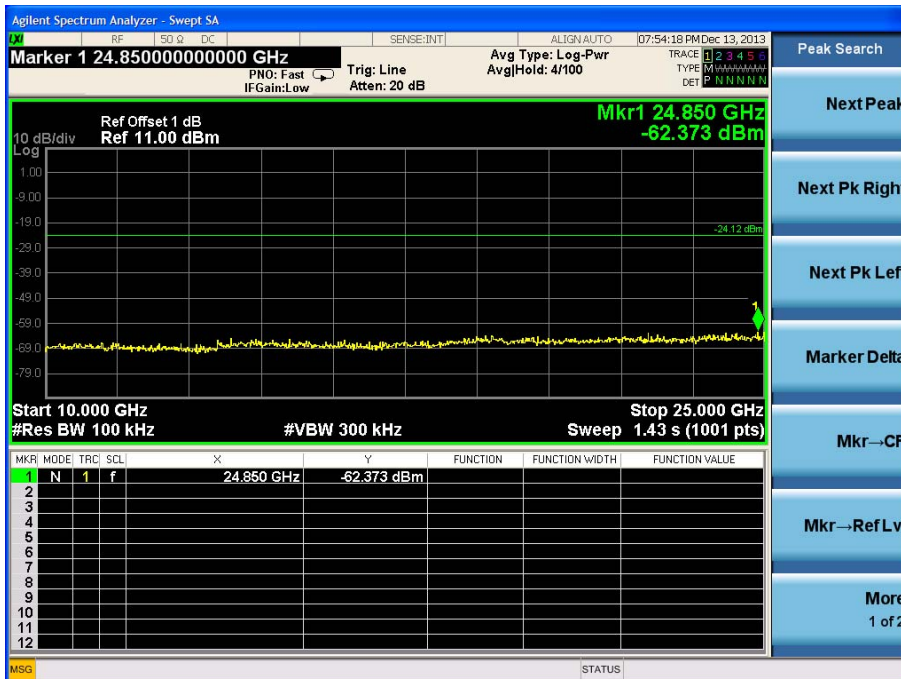
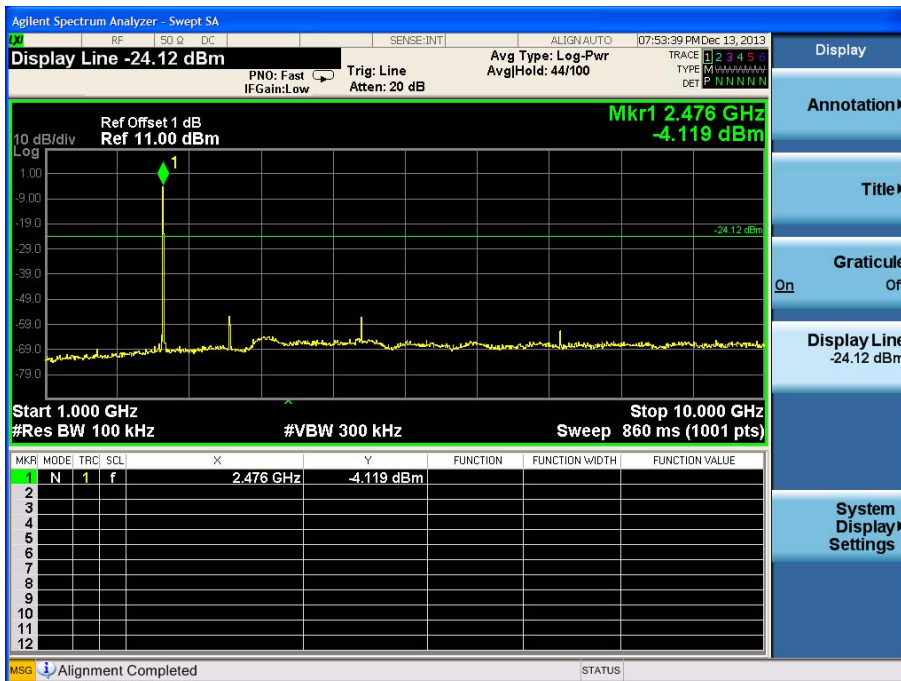




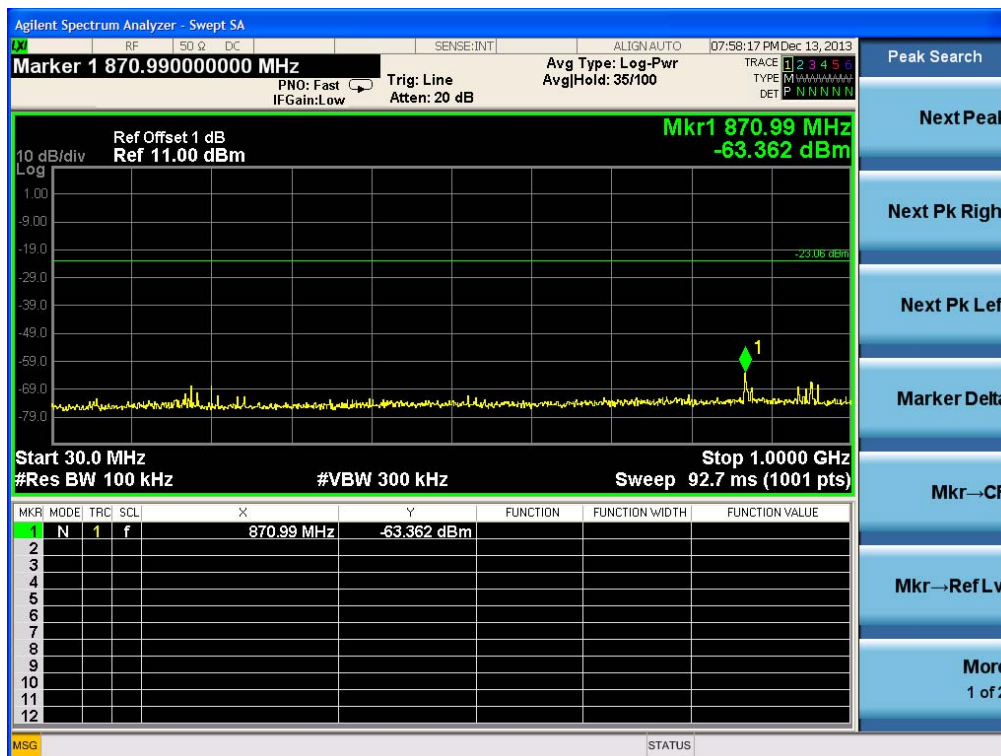
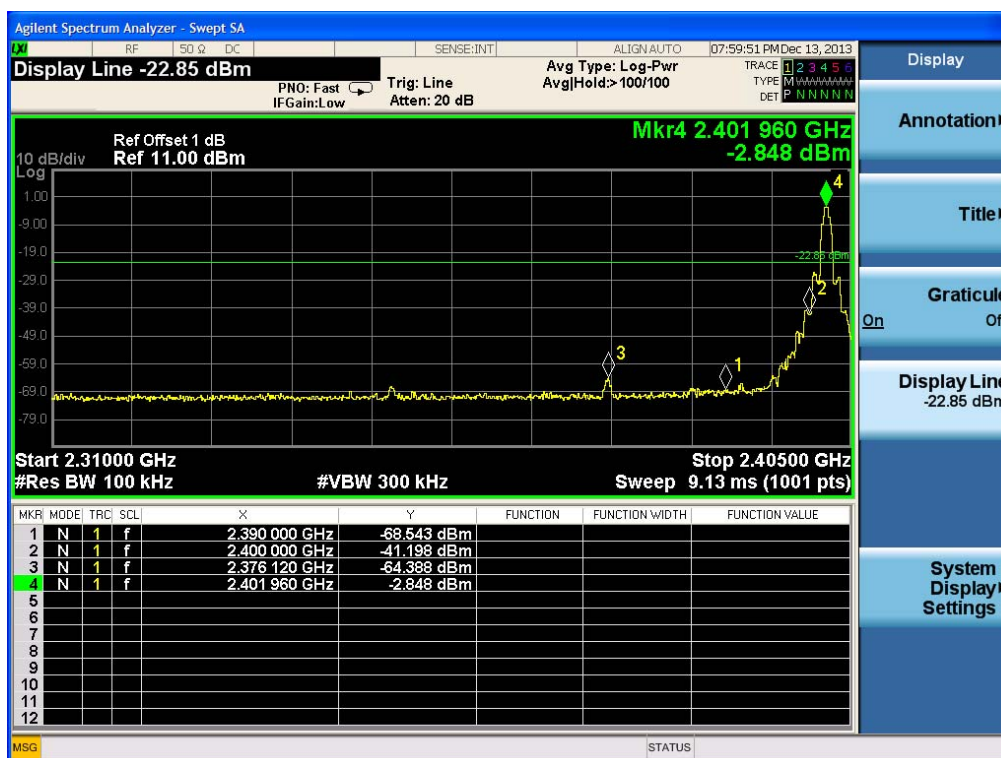


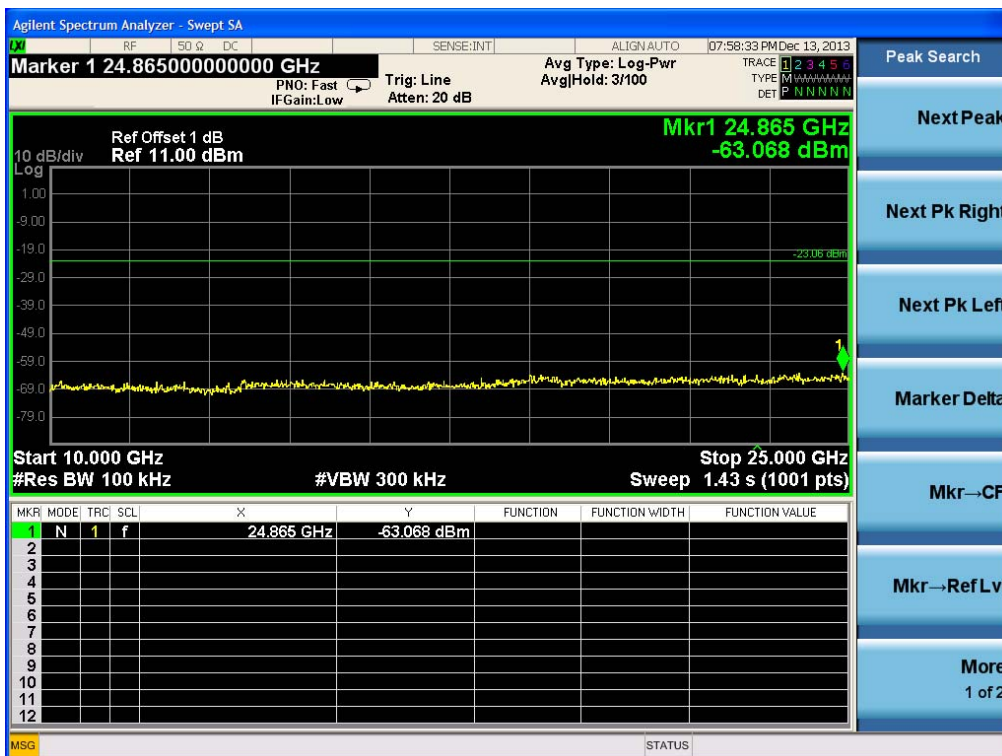
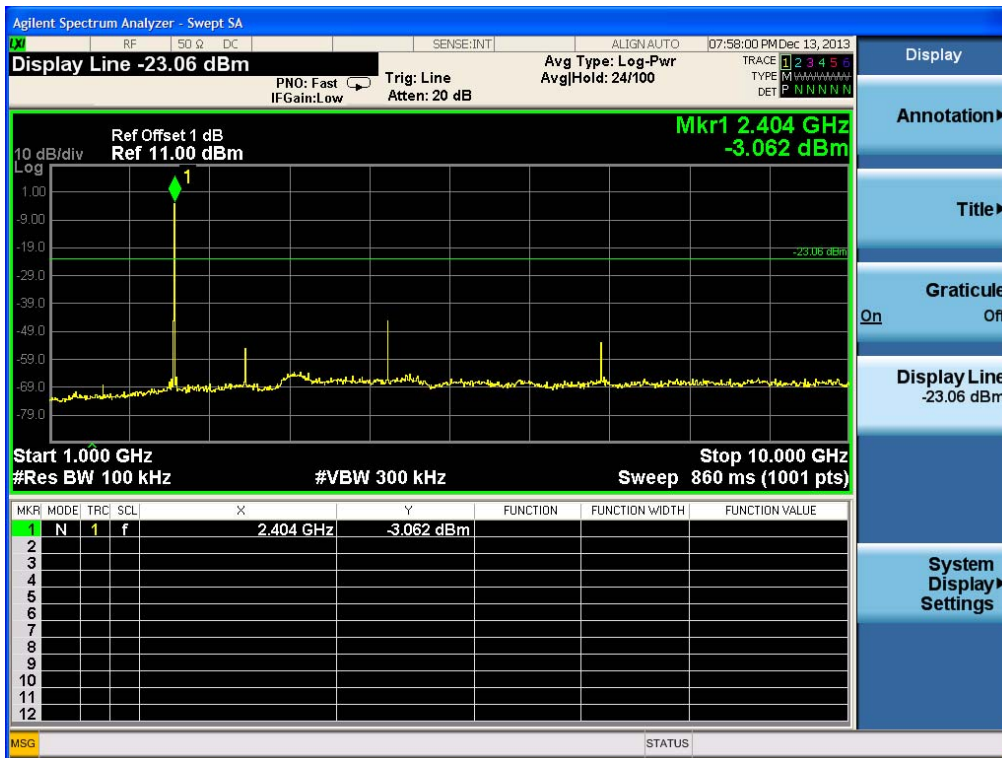
GFSK Hopping off CHH :





8DPSK Hopping off CHL :





8DPSK Hopping off CHM :

