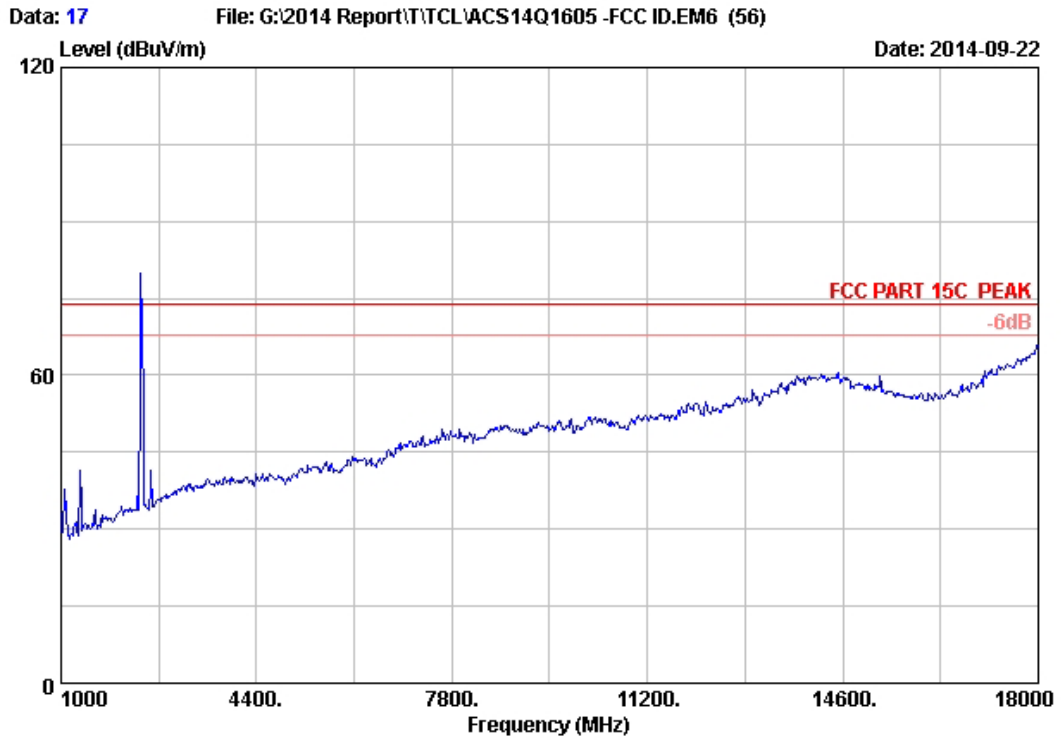


Site no. : 3m Chamber Data no. : 16
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kobe-Huang
 EUT : HOME THEATRE SYSTEM
 Power Rating : AC 120V/60Hz
 Test Mode : GFSK 2480MHz
 M/N : HT-XT100

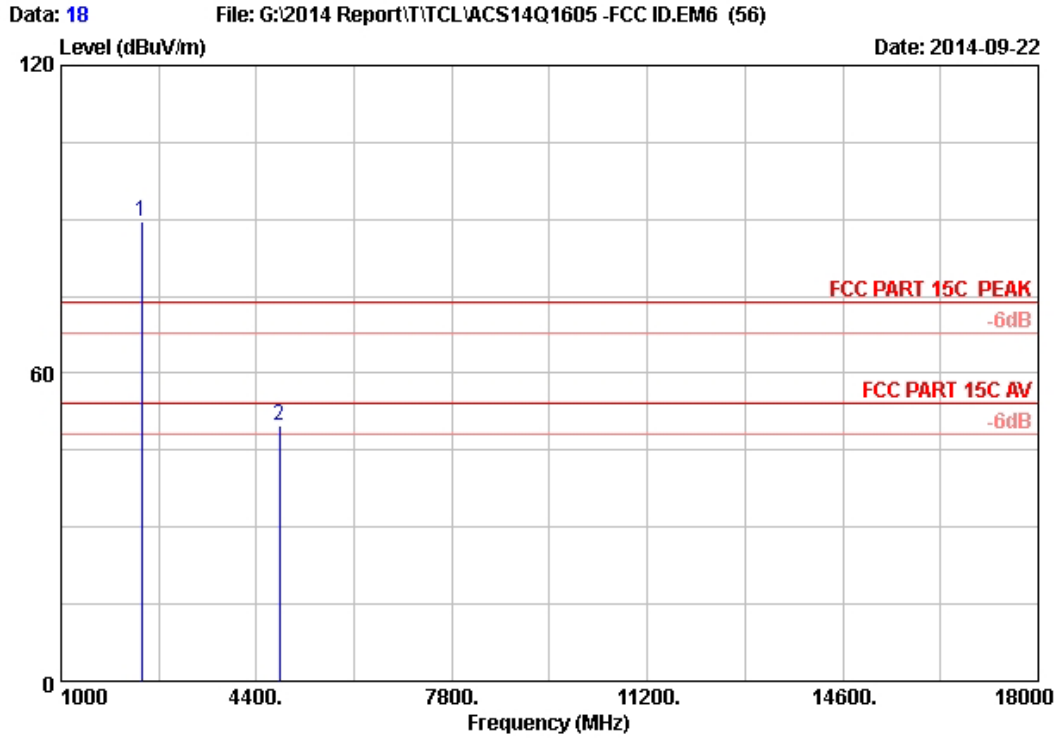
No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	2480.000	28.36	5.91	35.70	93.81	92.38	74.00	-18.38	Peak
2	4960.000	33.13	8.72	35.70	45.04	51.19	74.00	22.81	Peak
3	7440.000	36.47	11.09	35.41	48.10	60.25	74.00	13.75	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

Frequency (MHz)	Peak level (dBuV/m)	Duty cycle factor (dB)	AV level (dBuV/m)	Limit(dBuv/m)	Conclusion
7440	60.25	-30.515	29.735	54	Pass



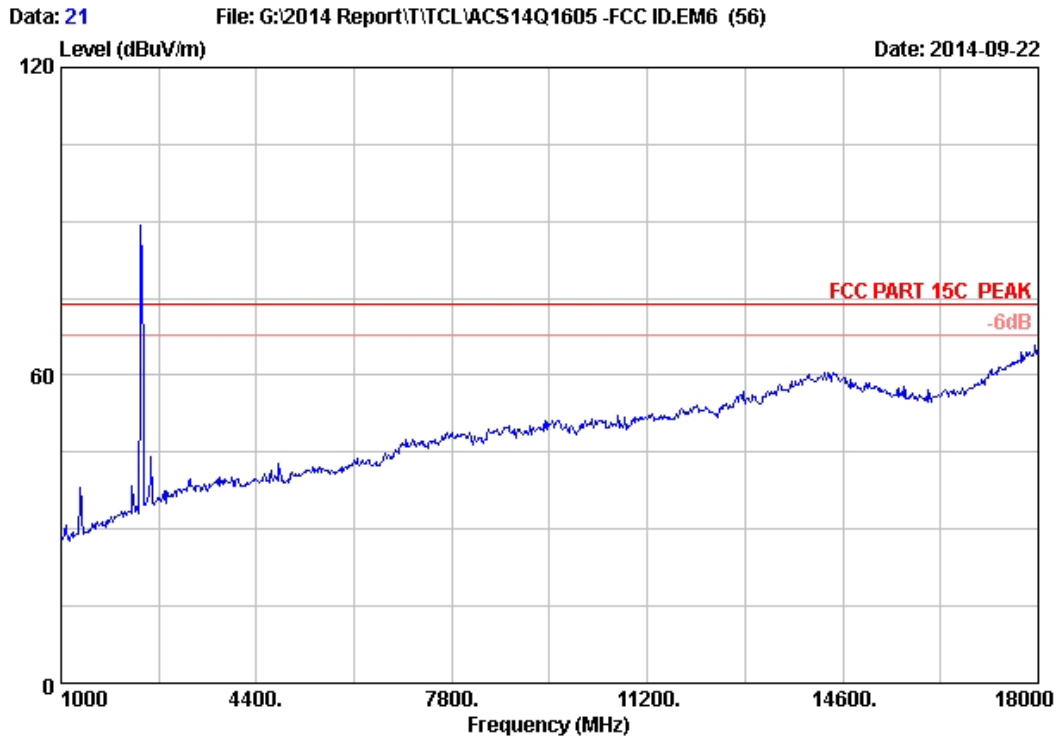
Site no.	: 3m Chamber	Data no.	: 17
Dis. / Ant.	: 3m 2014 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Kobe-Huang
EUT	: HOME THEATRE SYSTEM		
Power Rating	: AC 120V/60Hz		
Test Mode	: 8-DPSK 2402MHz		
M/N	: HT-XT100		



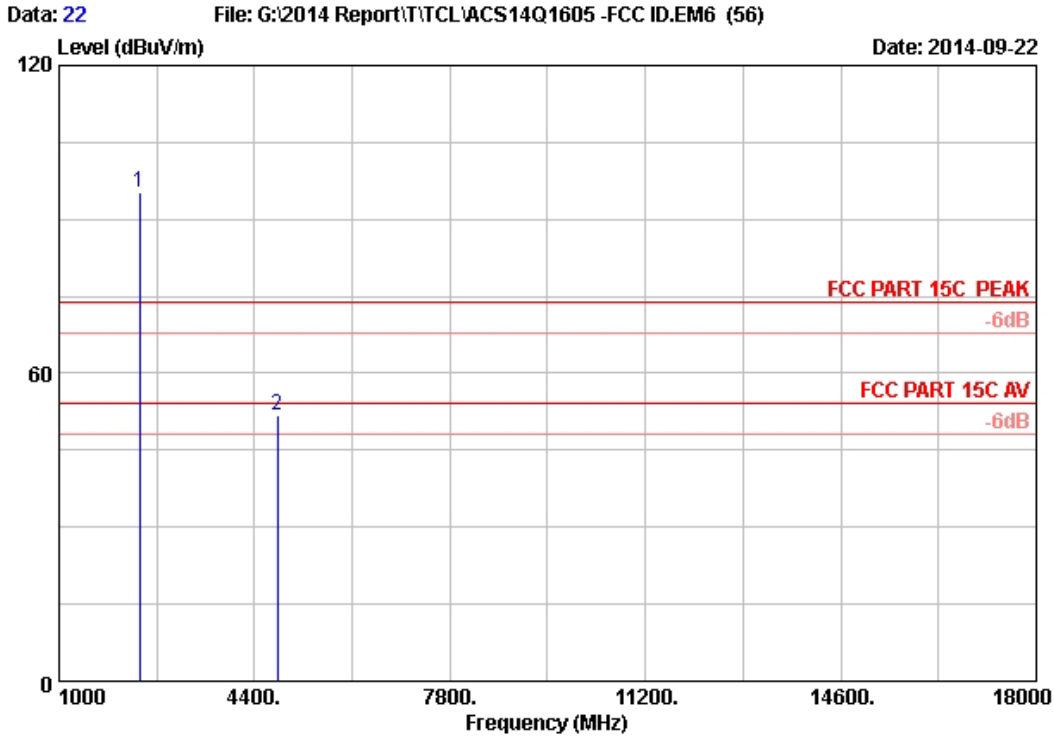
Site no. : 3m Chamber Data no. : 18
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kobe-Huang
 EUT : HOME THEATRE SYSTEM
 Power Rating : AC 120V/60Hz
 Test Mode : 8-DPSK 2402MHz
 M/N : HT-XT100

No.	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	2402.000	28.18	5.80	35.70	91.24	89.52	74.00	-15.52	Peak
2	4804.000	32.85	8.56	35.70	44.21	49.92	74.00	24.08	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



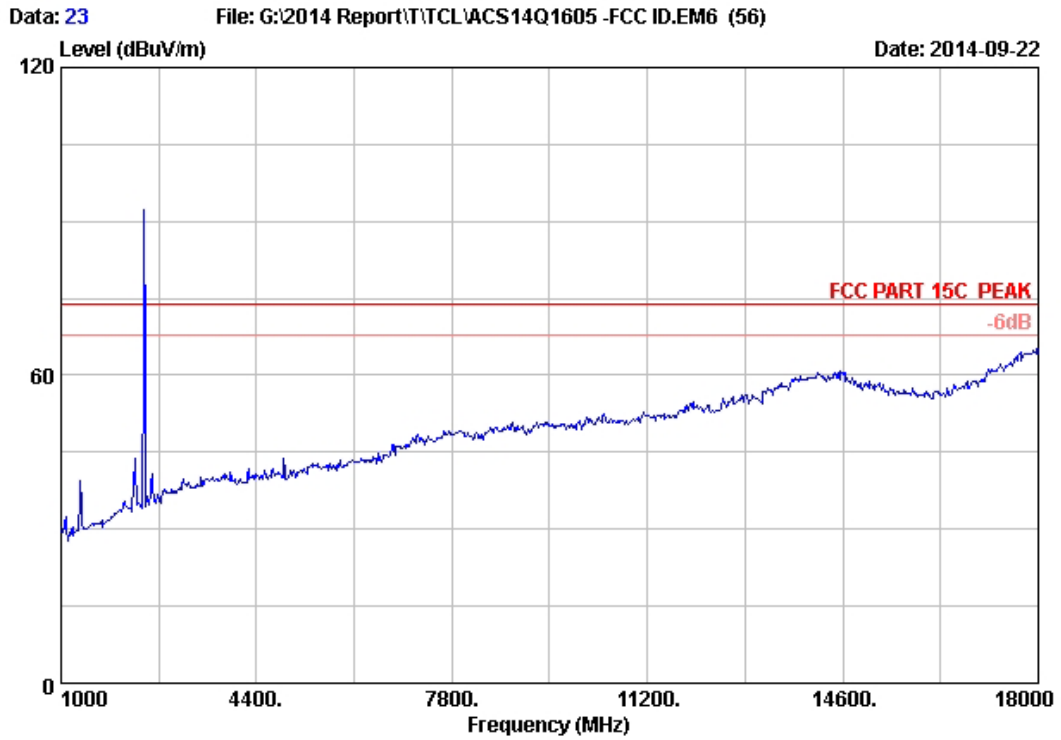
Site no.	: 3m Chamber	Data no.	: 21
Dis. / Ant.	: 3m 2014 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Kobe-Huang
EUT	: HOME THEATRE SYSTEM		
Power Rating	: AC 120V/60Hz		
Test Mode	: 8-DPSK 2402MHz		
M/N	: HT-XT100		



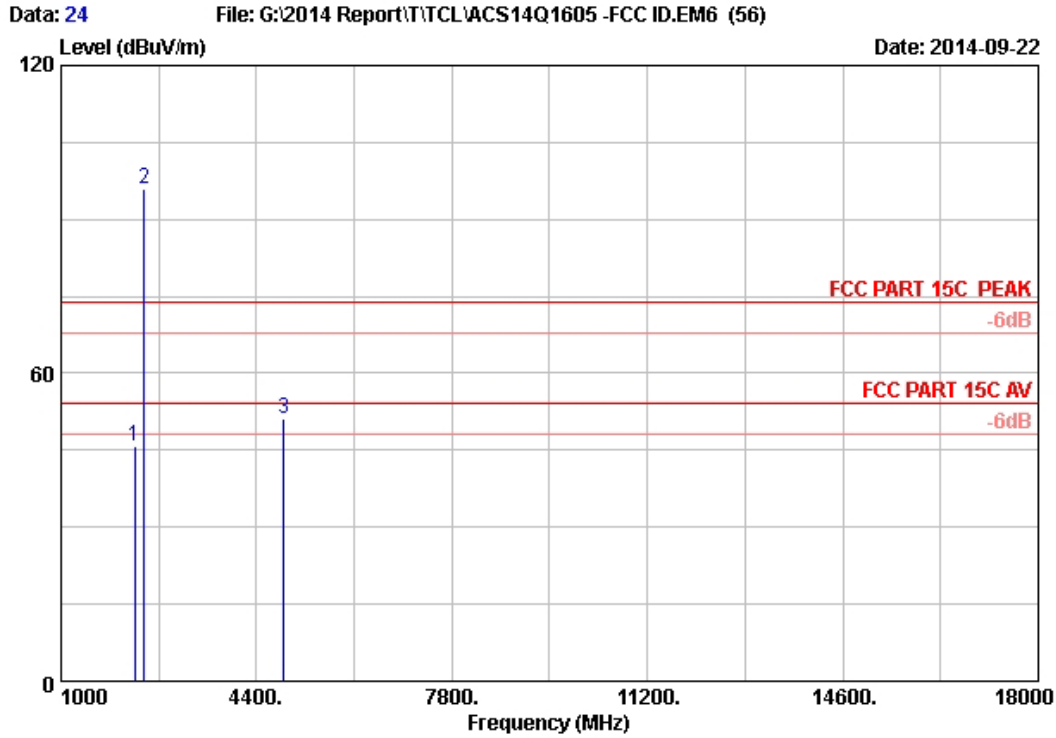
Site no. : 3m Chamber Data no. : 22
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kobe-Huang
 EUT : HOME THEATRE SYSTEM
 Power Rating : AC 120V/60Hz
 Test Mode : 8-DPSK 2402MHz
 M/N : HT-XT100

No.	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	2402.000	28.18	5.80	35.70	96.83	95.11	74.00	-21.11	Peak
2	4804.000	32.85	8.56	35.70	46.27	51.98	74.00	22.02	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



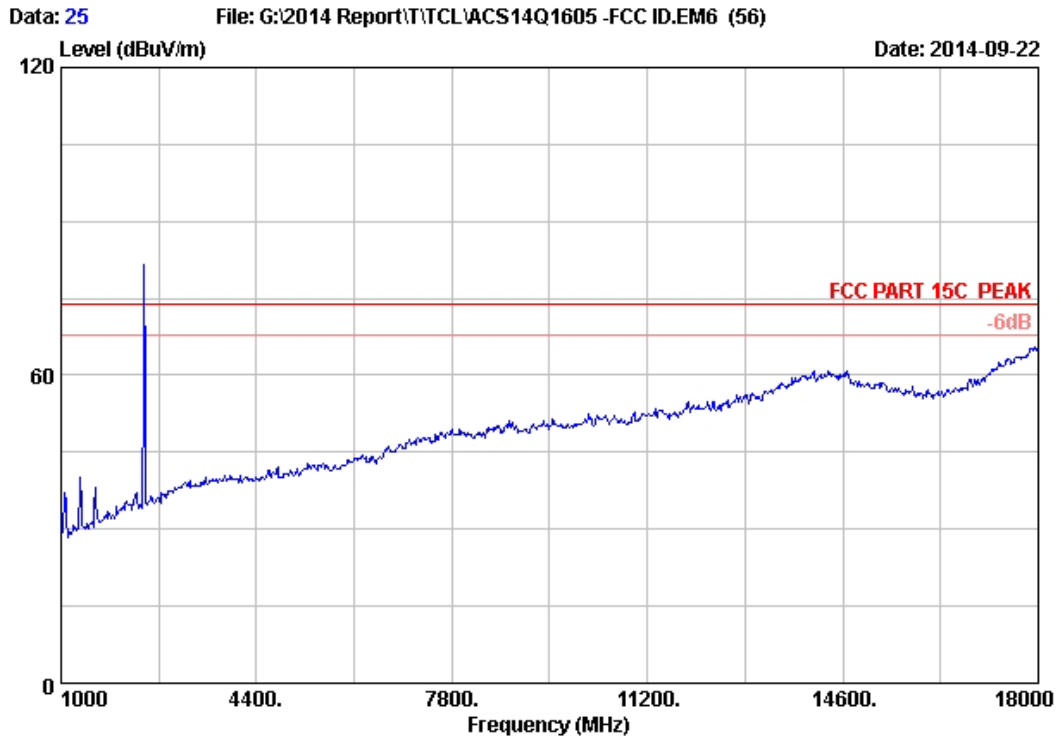
Site no.	: 3m Chamber	Data no.	: 23
Dis. / Ant.	: 3m 2014 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Kobe-Huang
EUT	: HOME THEATRE SYSTEM		
Power Rating	: AC 120V/60Hz		
Test Mode	: 8-DPSK 2441MHz		
M/N	: HT-XT100		



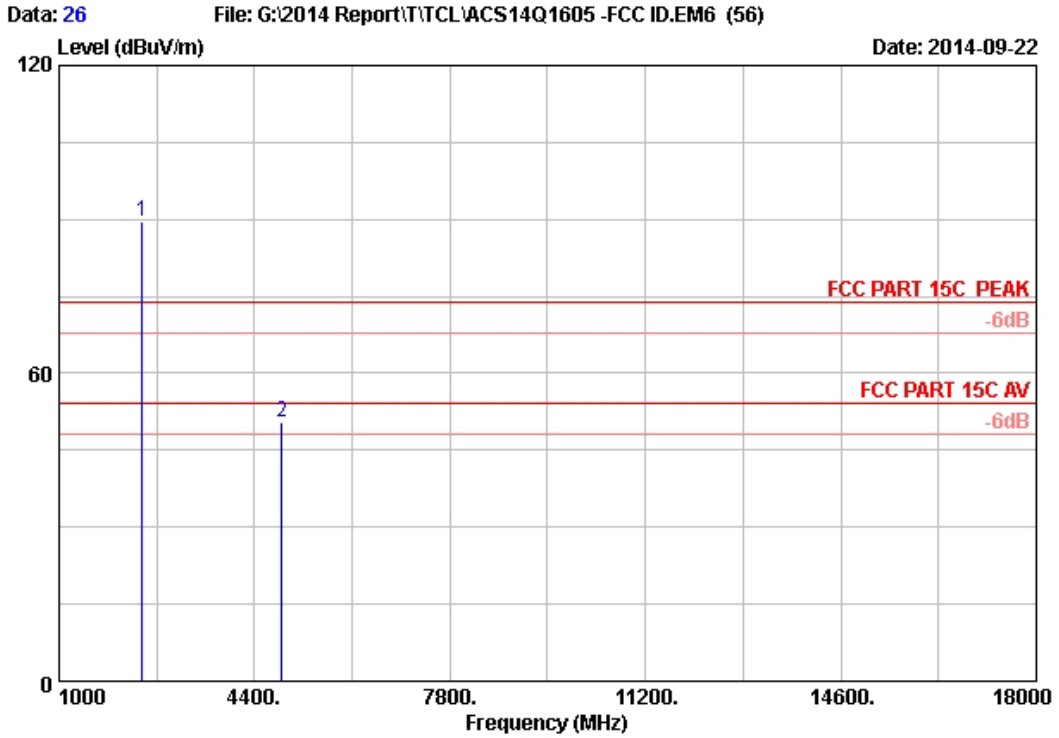
Site no. : 3m Chamber Data no. : 24
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kobe-Huang
 EUT : HOME THEATRE SYSTEM
 Power Rating : AC 120V/60Hz
 Test Mode : 8-DPSK 2441MHz
 M/N : HT-XT100

No.	Freq. (MHz)	Ant. Factor (dB/m)	Cable Loss (dB)	AMP factor (dB)	Reading (dBuV)	Emission			Remark
						Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	
1	2275.000	27.90	5.62	35.70	48.12	45.94	74.00	28.06	Peak
2	2441.000	28.27	5.86	35.70	97.48	95.91	74.00	-21.91	Peak
3	4882.000	32.99	8.64	35.70	45.15	51.08	74.00	22.92	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading
 -Amp Factor
 2. The emission levels that are 20dB below the official
 limit are not reported.



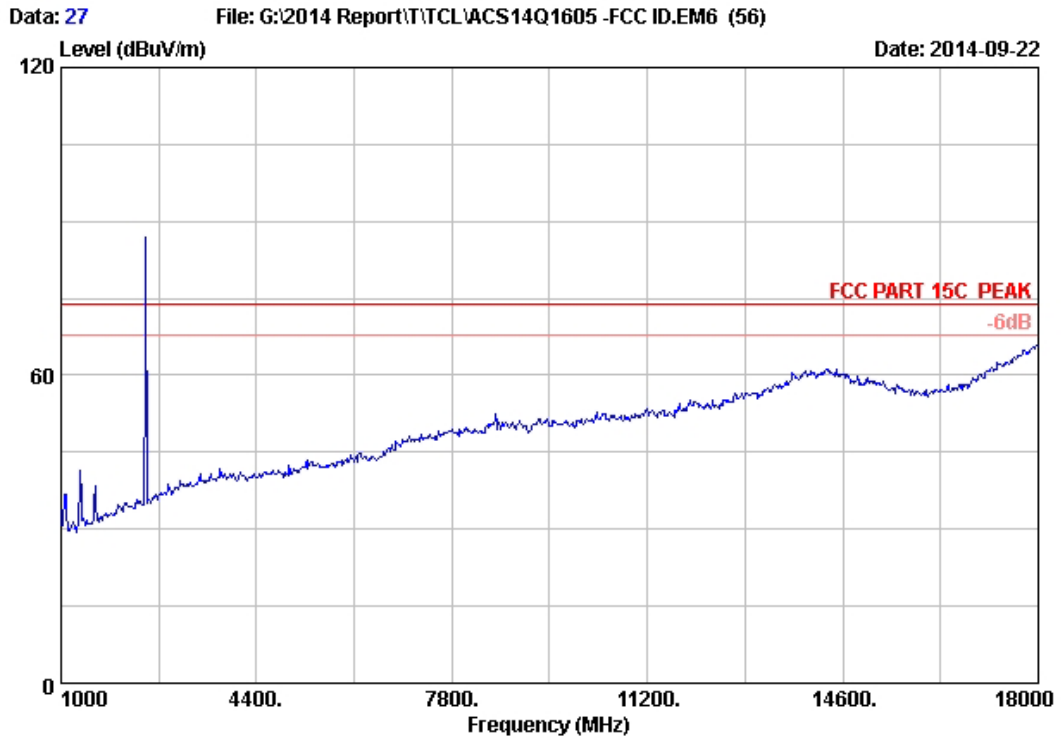
Site no.	: 3m Chamber	Data no.	: 25
Dis. / Ant.	: 3m 2014 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Kobe-Huang
EUT	: HOME THEATRE SYSTEM		
Power Rating	: AC 120V/60Hz		
Test Mode	: 8-DPSK 2441MHz		
M/N	: HT-XT100		



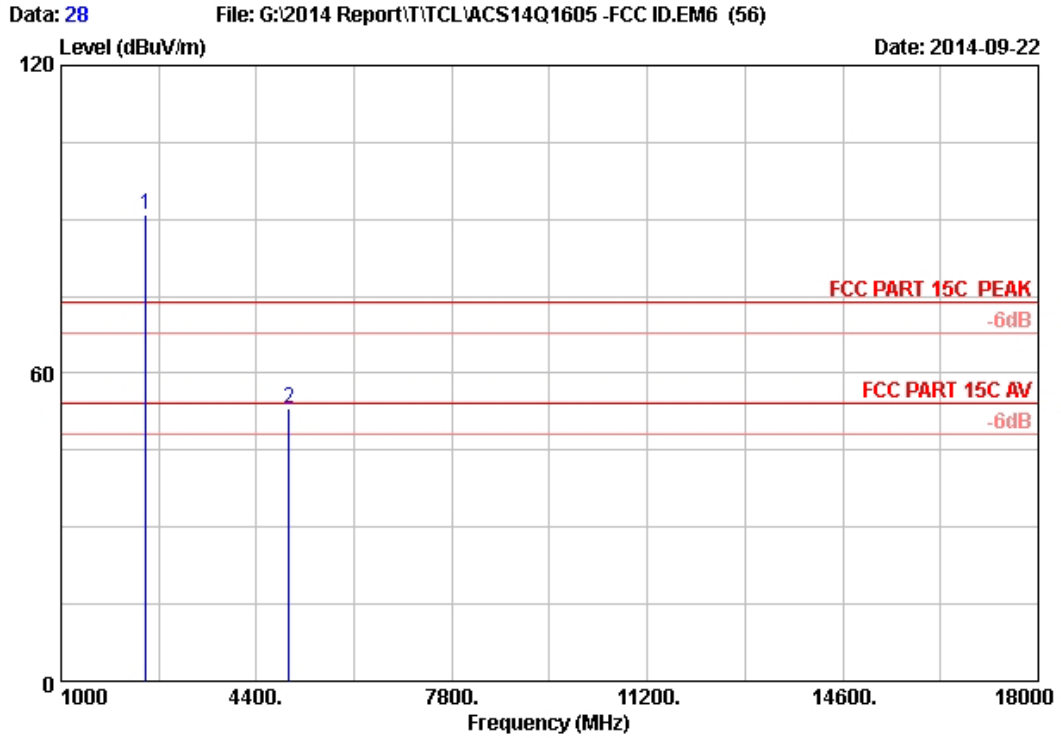
Site no. : 3m Chamber Data no. : 26
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kobe-Huang
 EUT : HOME THEATRE SYSTEM
 Power Rating : AC 120V/60Hz
 Test Mode : 8-DPSK 2441MHz
 M/N : HT-XT100

No.	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	91.21	89.64	74.00	-15.64	Peak
2	4882.000	32.99	8.64	35.70	44.59	50.52	74.00	23.48	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



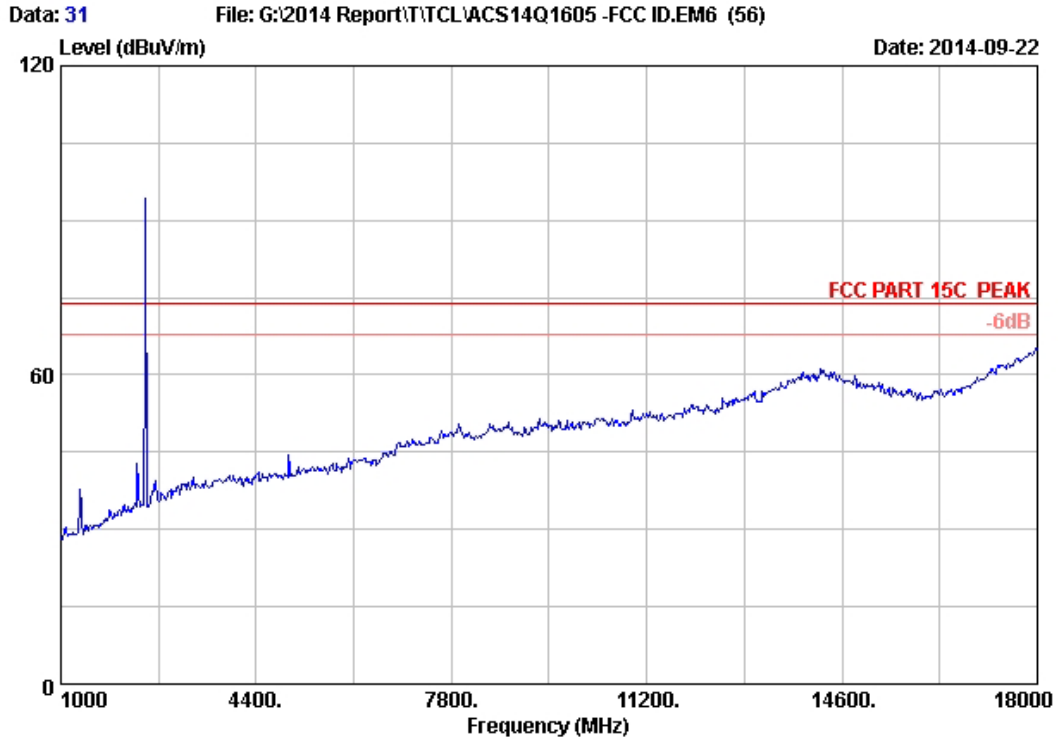
Site no.	: 3m Chamber	Data no.	: 27
Dis. / Ant.	: 3m 2014 3115 (4580)	Ant. pol.	: VERTICAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Kobe-Huang
EUT	: HOME THEATRE SYSTEM		
Power Rating	: AC 120V/60Hz		
Test Mode	: 8-DPSK 2480MHz		
M/N	: HT-XT100		



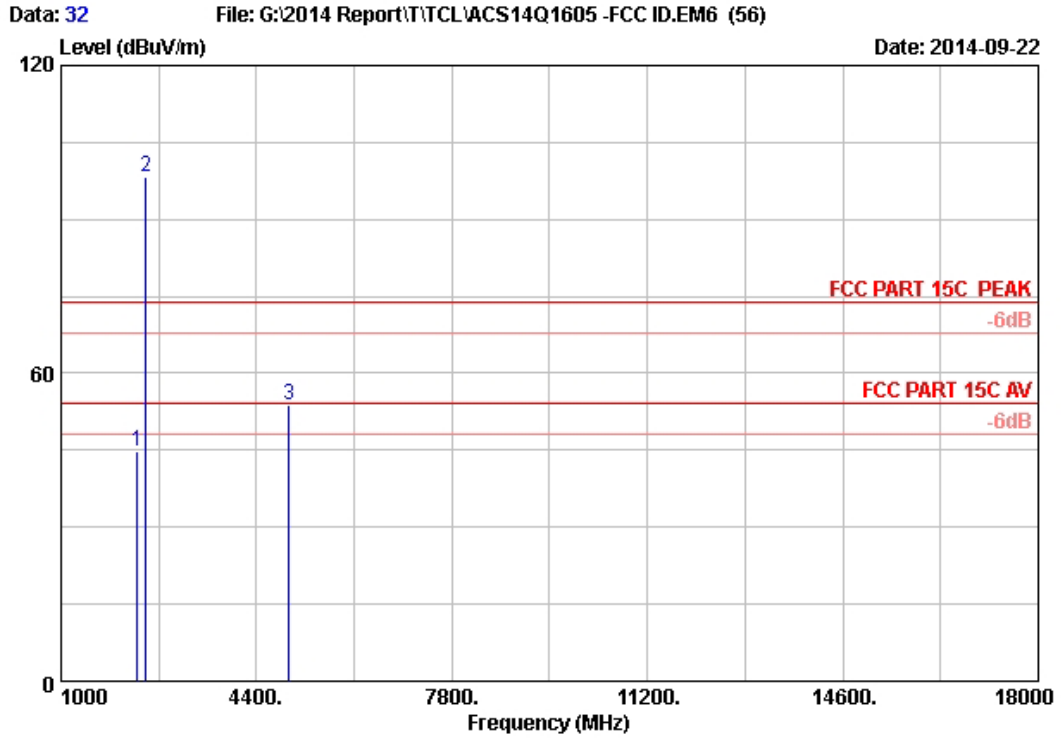
Site no. : 3m Chamber Data no. : 28
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : VERTICAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kobe-Huang
 EUT : HOME THEATRE SYSTEM
 Power Rating : AC 120V/60Hz
 Test Mode : 8-DPSK 2480MHz
 M/N : HT-XT100

No.	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	92.46	91.03	74.00	-17.03	Peak
2	4960.000	33.13	8.72	35.70	47.16	53.31	74.00	20.69	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.



Site no.	: 3m Chamber	Data no.	: 31
Dis. / Ant.	: 3m 2014 3115 (4580)	Ant. pol.	: HORIZONTAL
Limit	: FCC PART 15C PEAK		
Env. / Ins.	: 24°C/56%	Engineer	: Kobe-Huang
EUT	: HOME THEATRE SYSTEM		
Power Rating	: AC 120V/60Hz		
Test Mode	: 8-DPSK 2480MHz		
M/N	: HT-XT100		



Site no. : 3m Chamber Data no. : 32
 Dis. / Ant. : 3m 2014 3115 (4580) Ant. pol. : HORIZONTAL
 Limit : FCC PART 15C PEAK
 Env. / Ins. : 24°C/56% Engineer : Kobe-Huang
 EUT : HOME THEATRE SYSTEM
 Power Rating : AC 120V/60Hz
 Test Mode : 8-DPSK 2480MHz
 M/N : HT-XT100

No.	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	2326.000	28.02	5.69	35.70	46.87	44.88	74.00	29.12	Peak
2	2480.000	28.36	5.91	35.70	99.84	98.41	74.00	-24.41	Peak
3	4960.000	33.13	8.72	35.70	47.56	53.71	74.00	20.29	Peak

Remarks: 1. Emission Level= Antenna Factor + Cable Loss + Reading - Amp Factor
 2. The emission levels that are 20dB below the official limit are not reported.

5. CONDUCTED SPURIOUS EMISSIONS

5.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.31, 13	1Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 28,14	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	Apr. 28,14	1 Year

5.2. Limit

In any 100kHz 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.

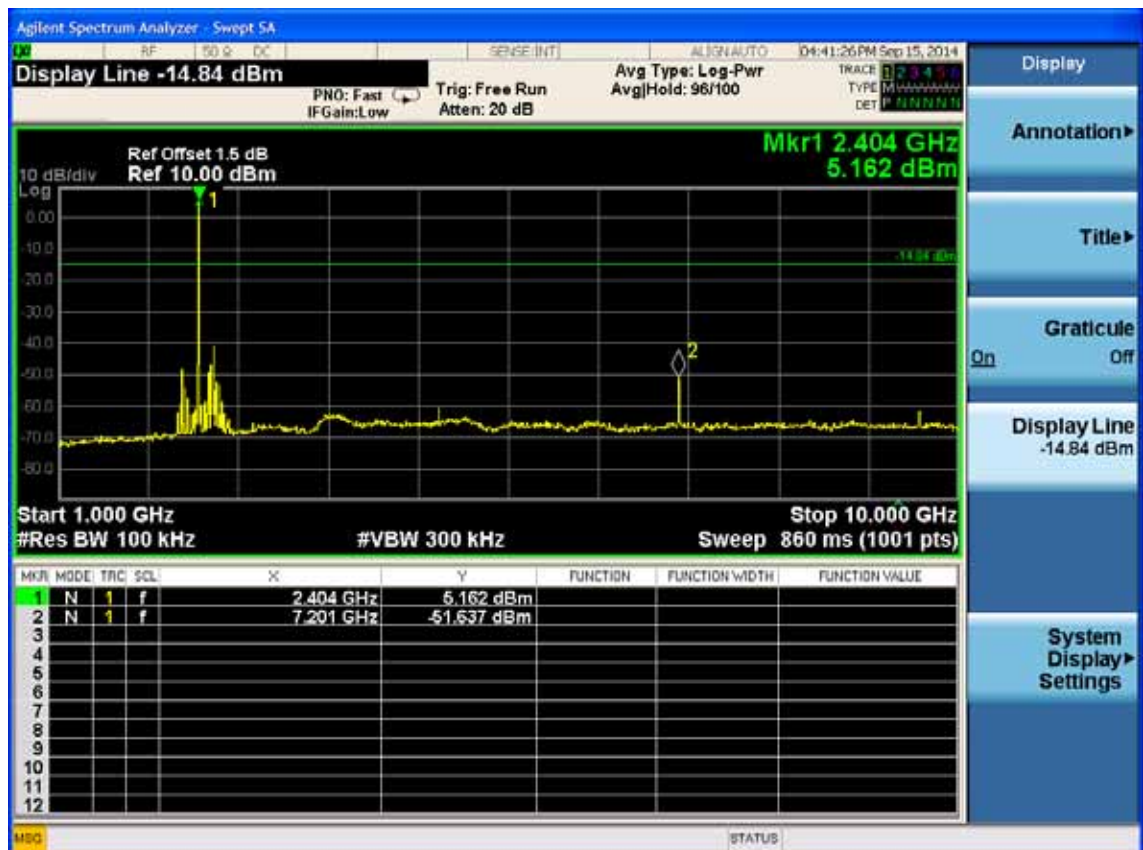
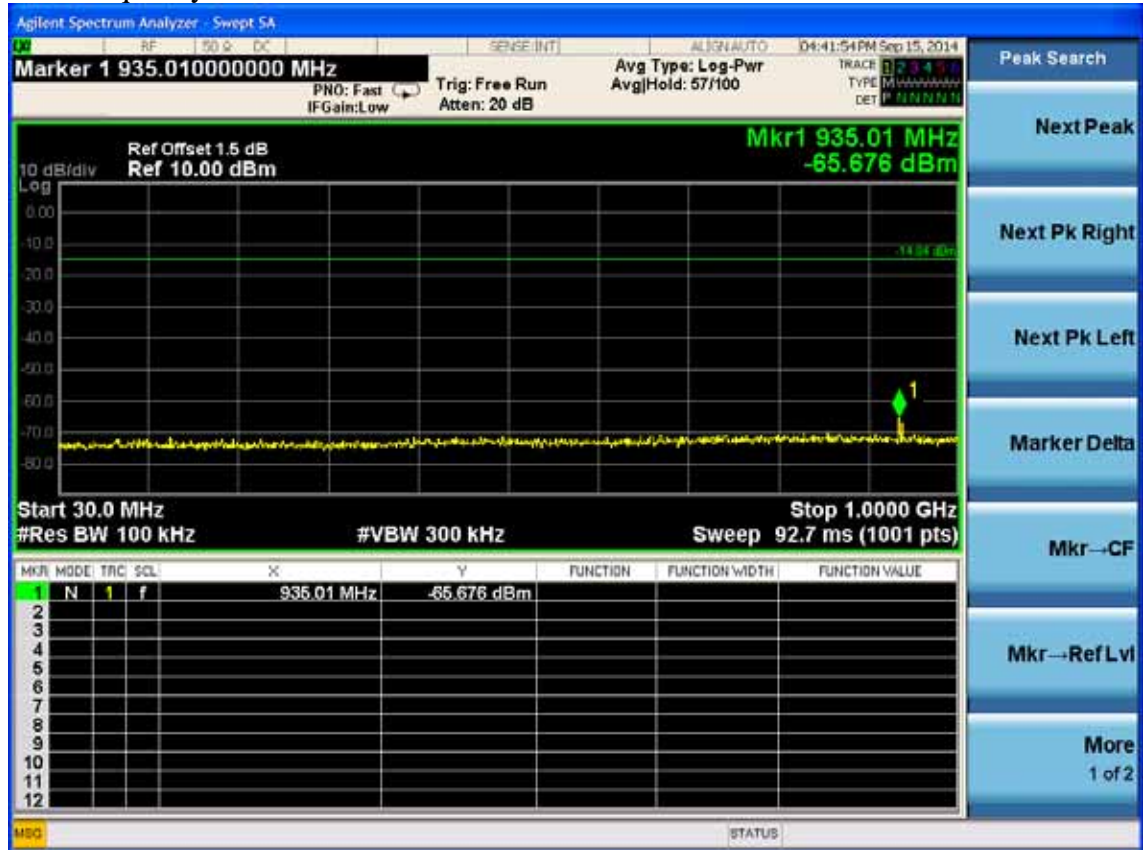
5.3. Test Procedure

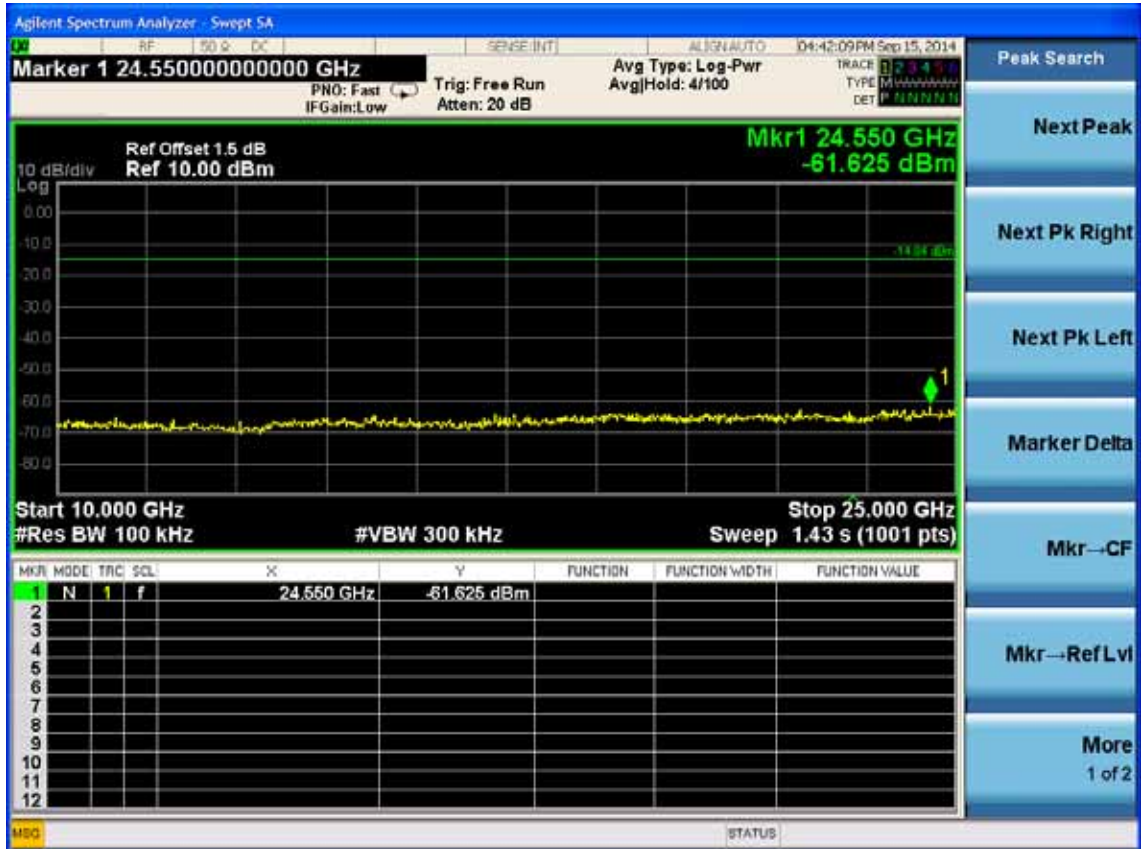
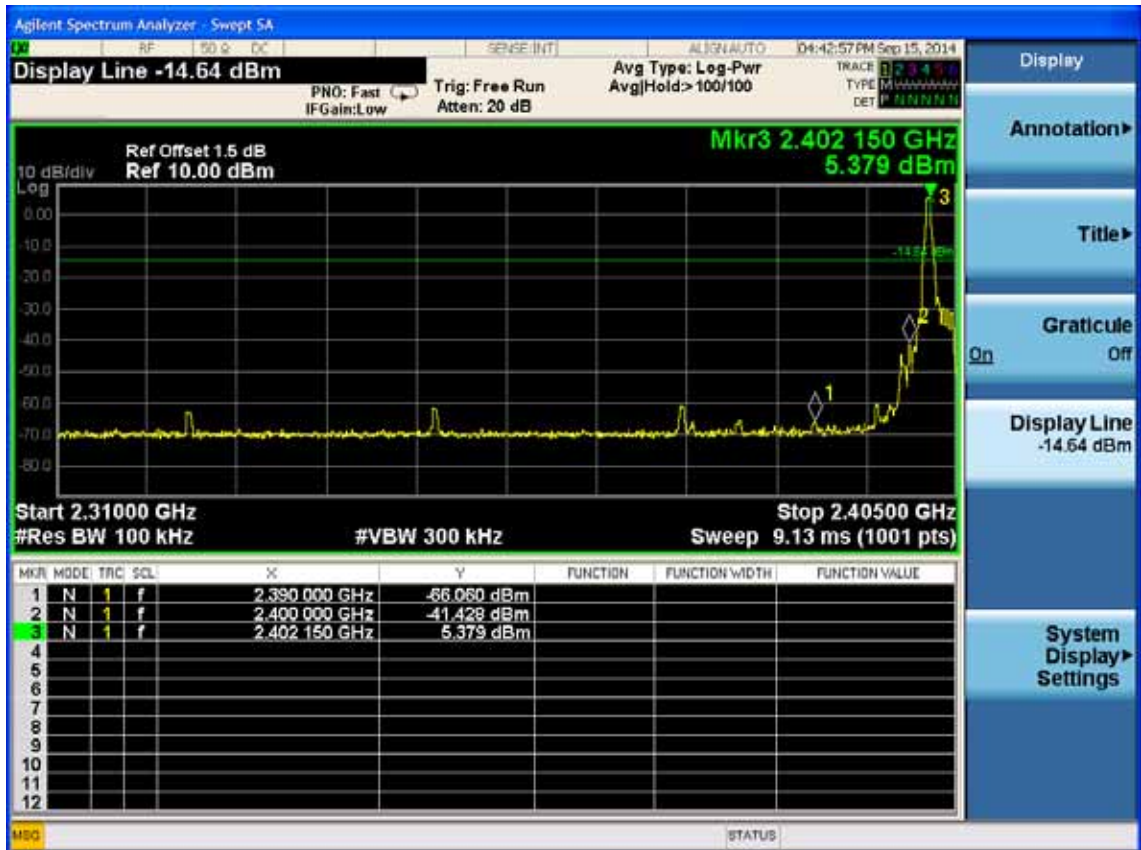
The transmitter output was connected to a spectrum analyzer, The resolution bandwidth is set to 100 kHz, The video bandwidth is set to 300 kHz and measure all the emissions detected.

5.4. Test result

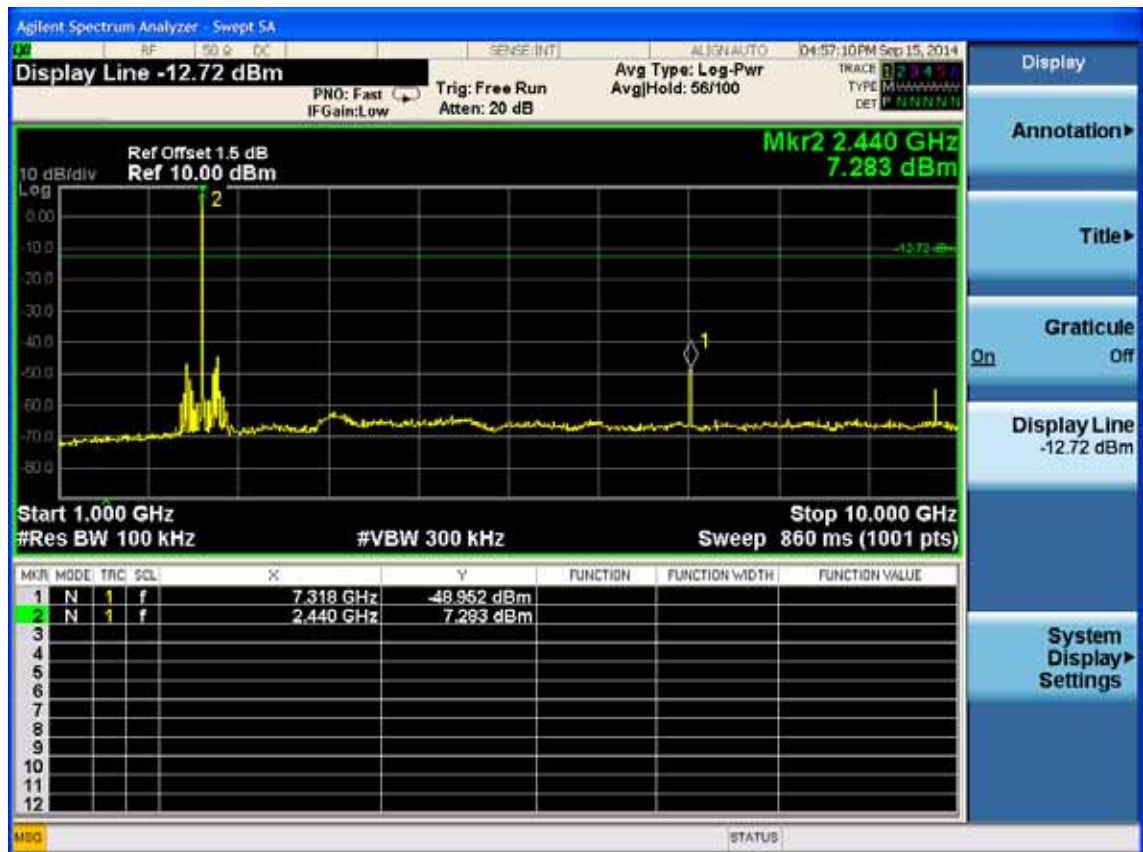
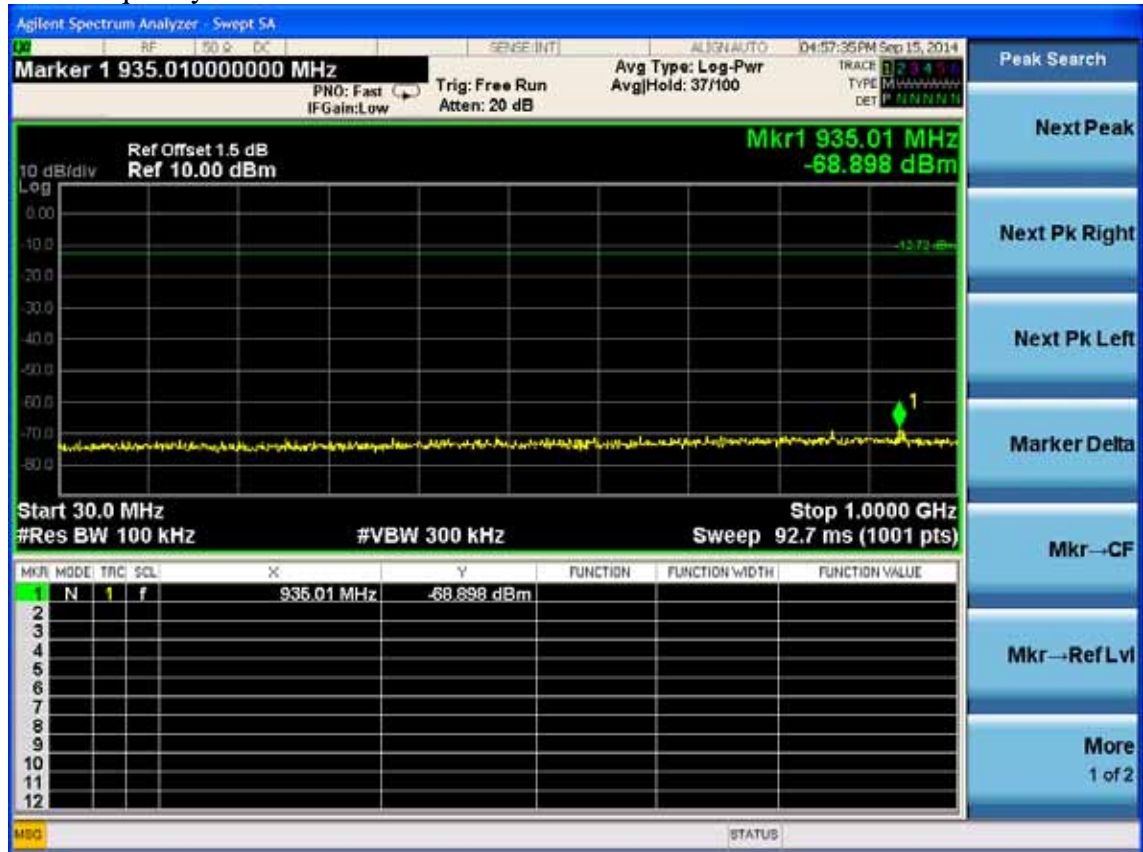
PASS (The testing data was attached in the next pages.)

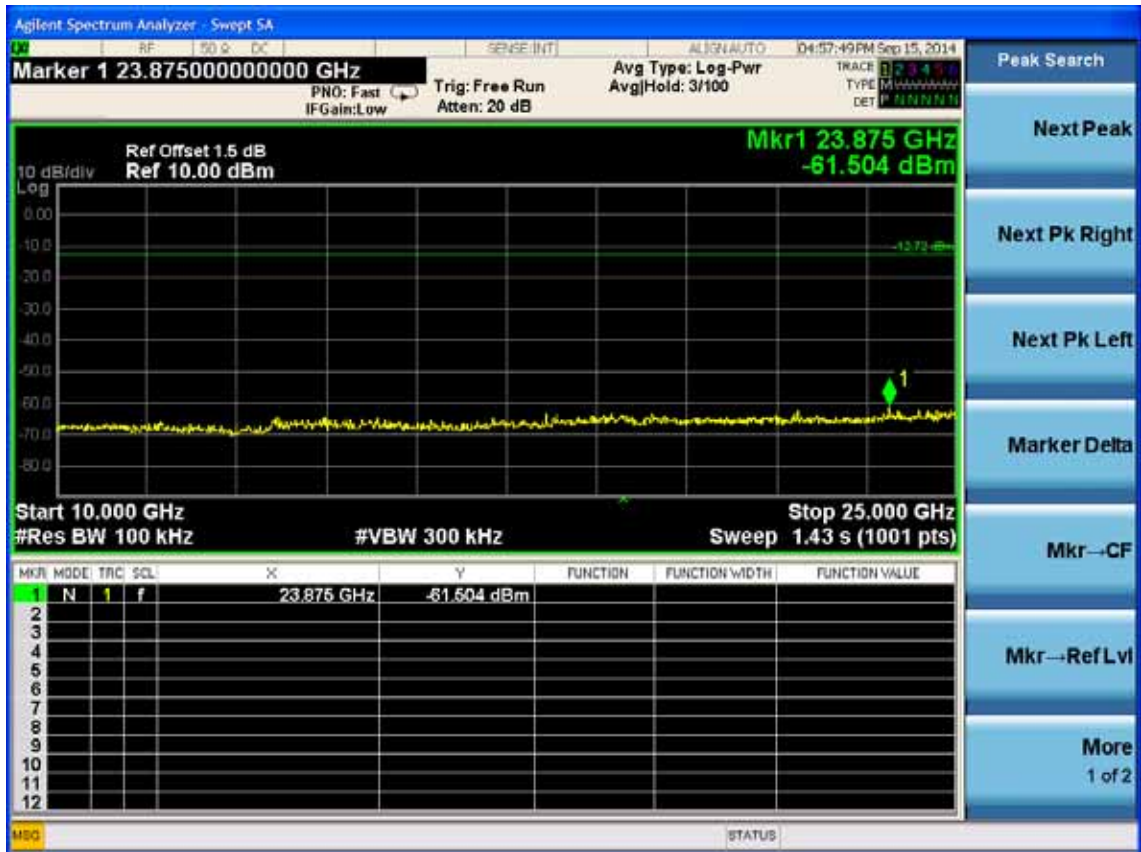
**Hopping off
GFSK**
Test Frequency: 2402MHz



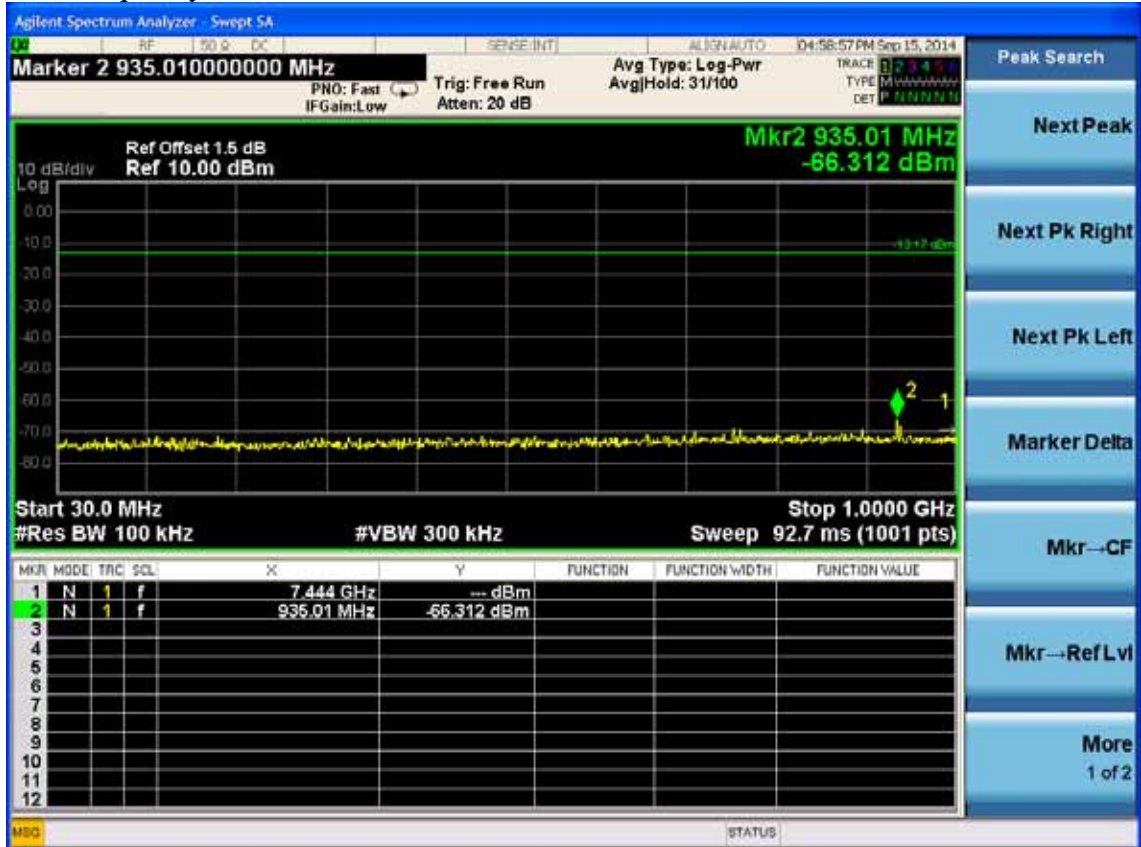


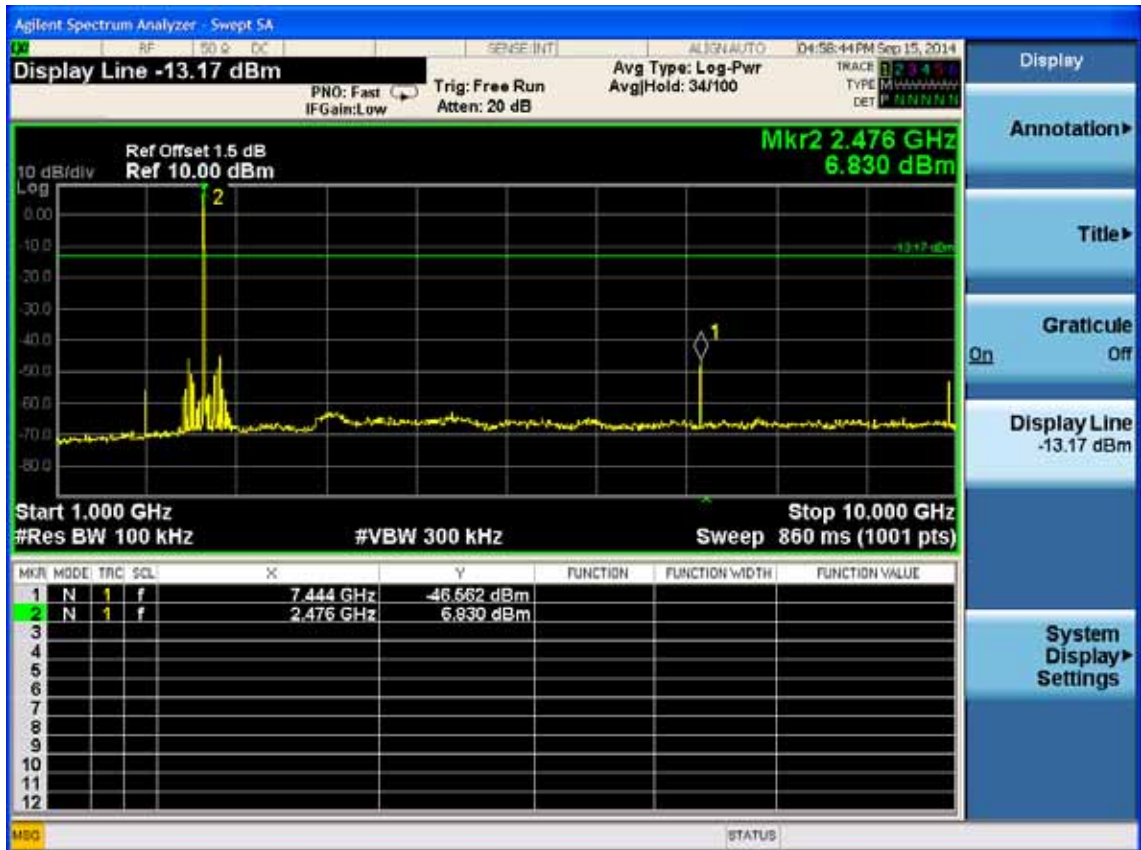
Test Frequency: 2441MHz

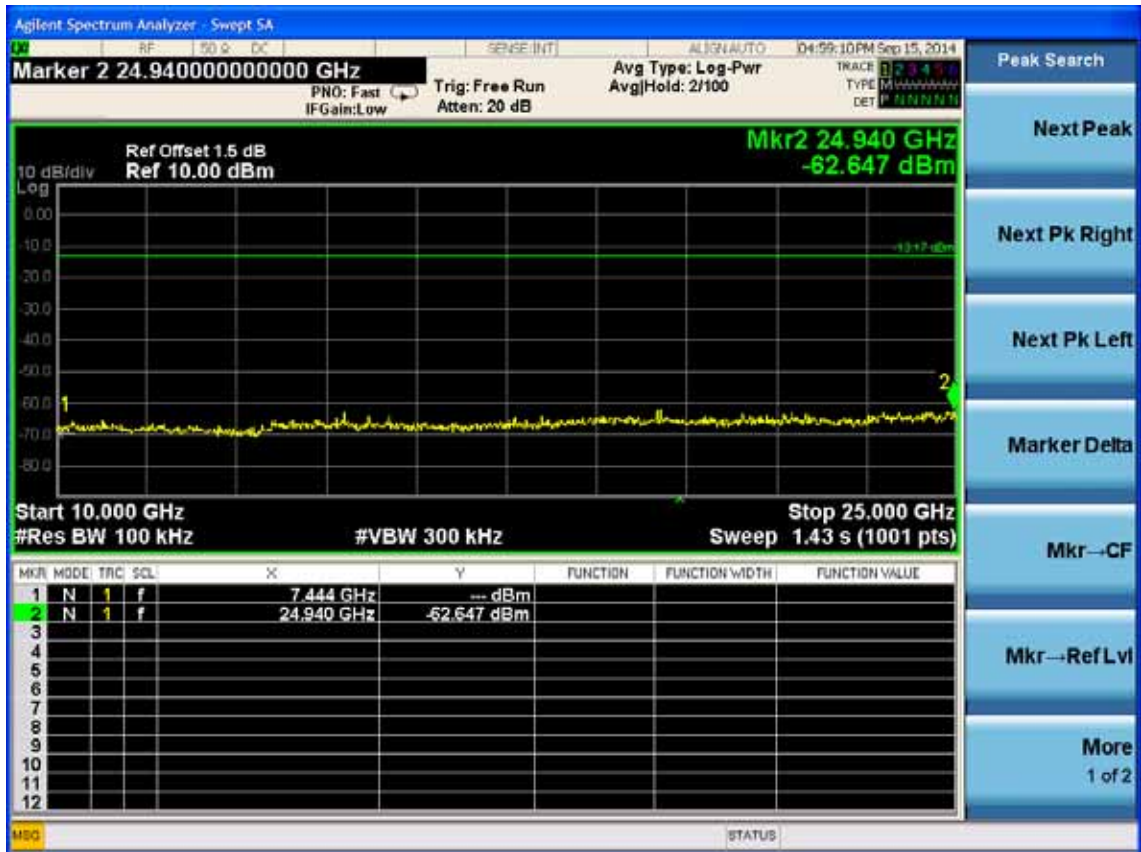




Test Frequency: 2480MHz

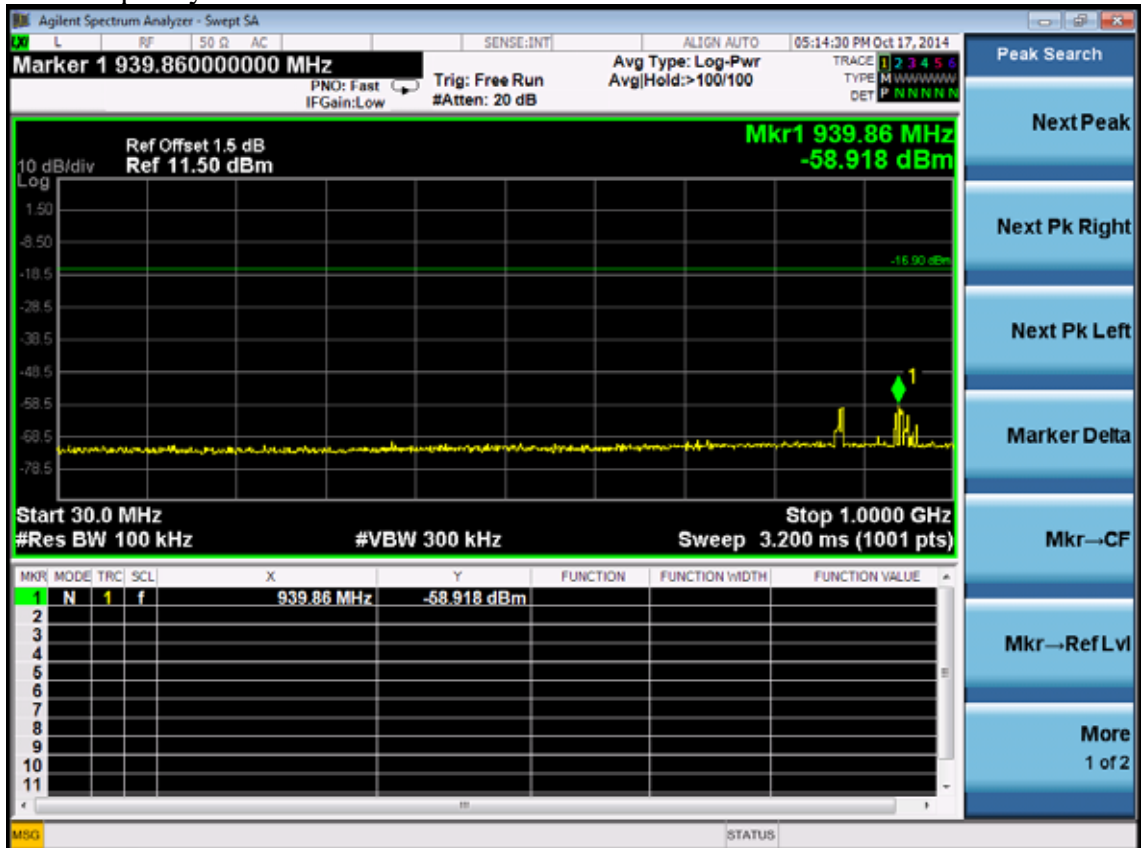


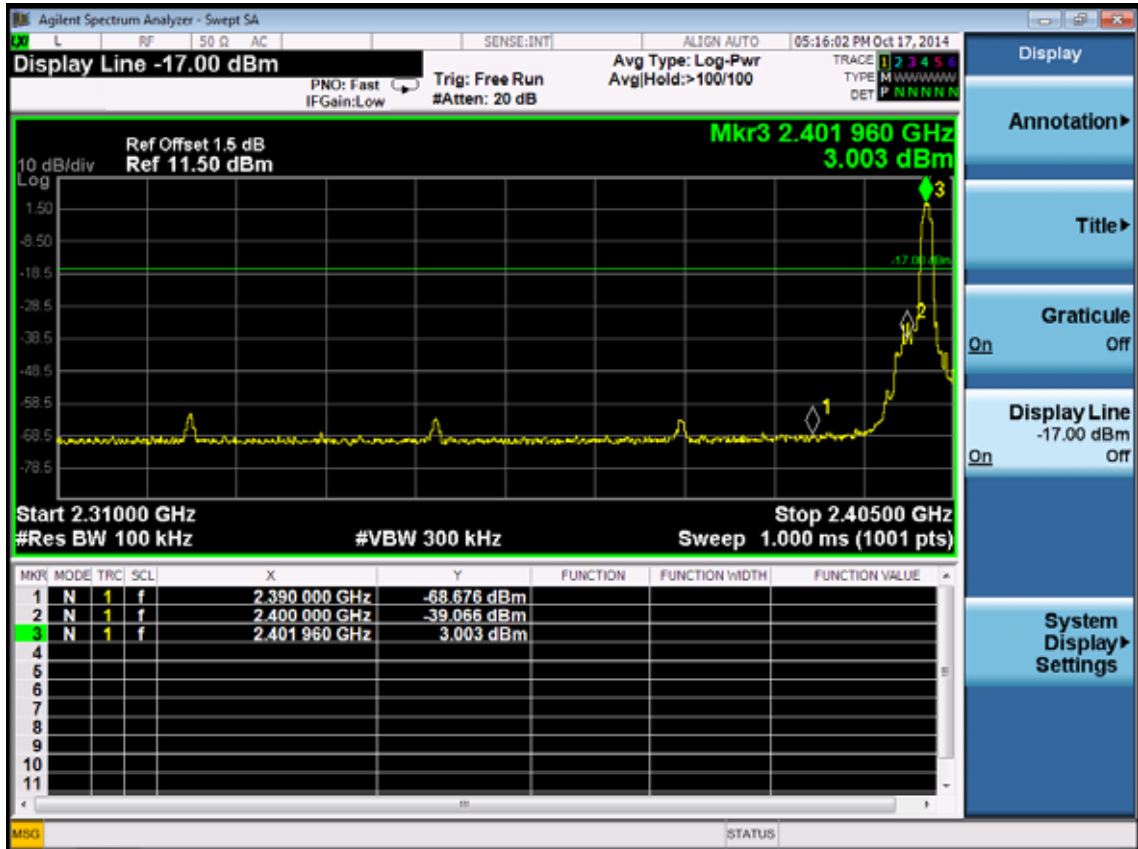
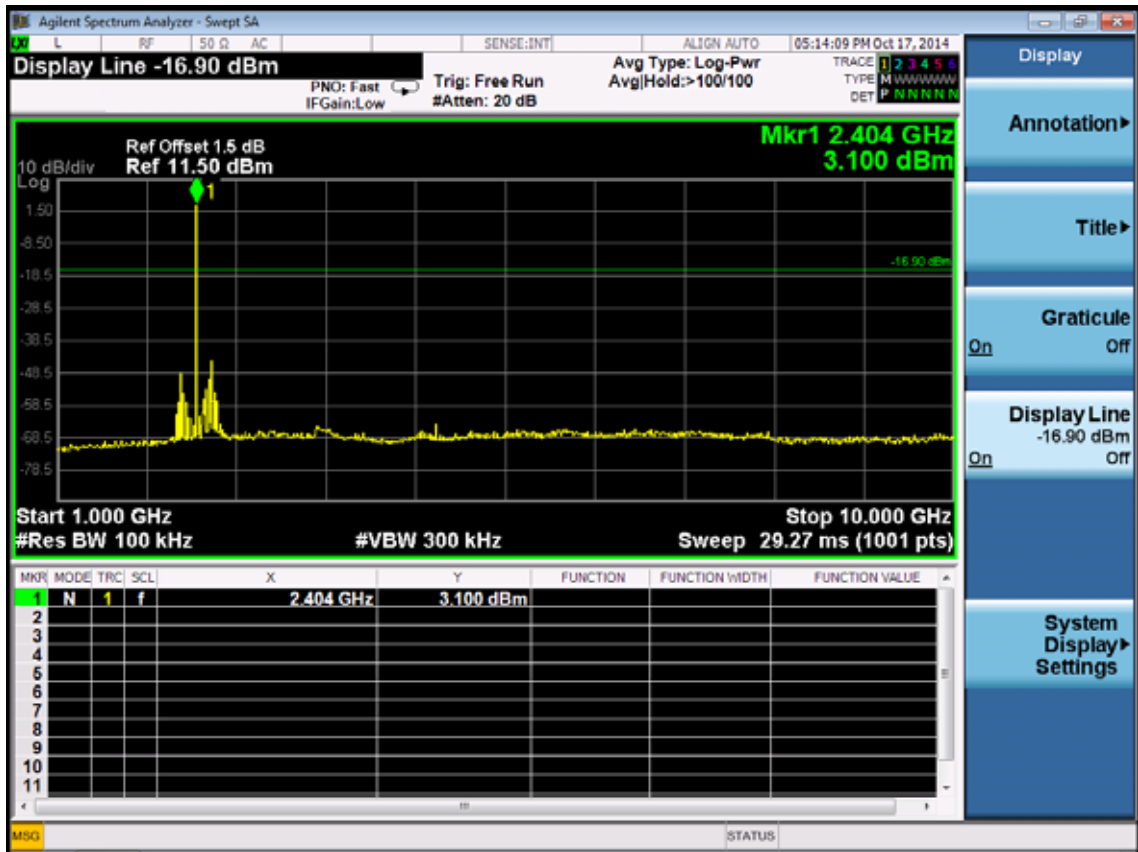


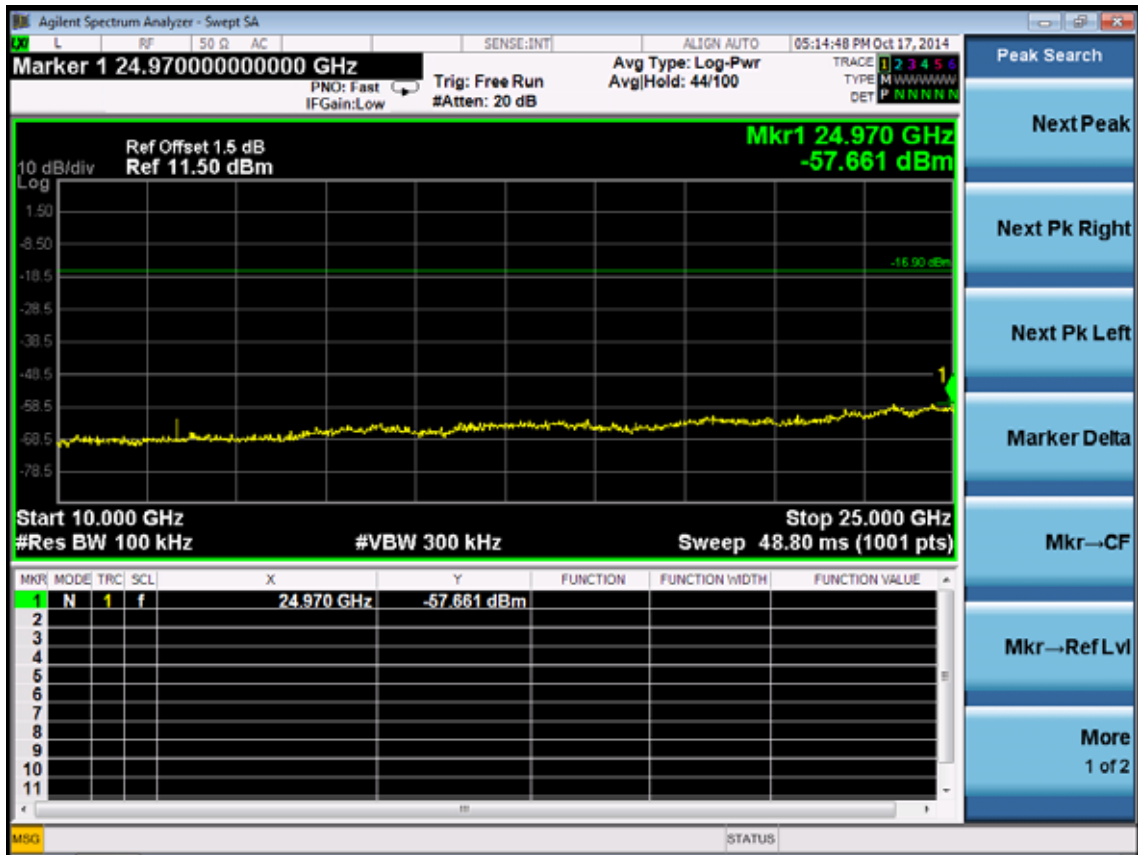


8-DPSK

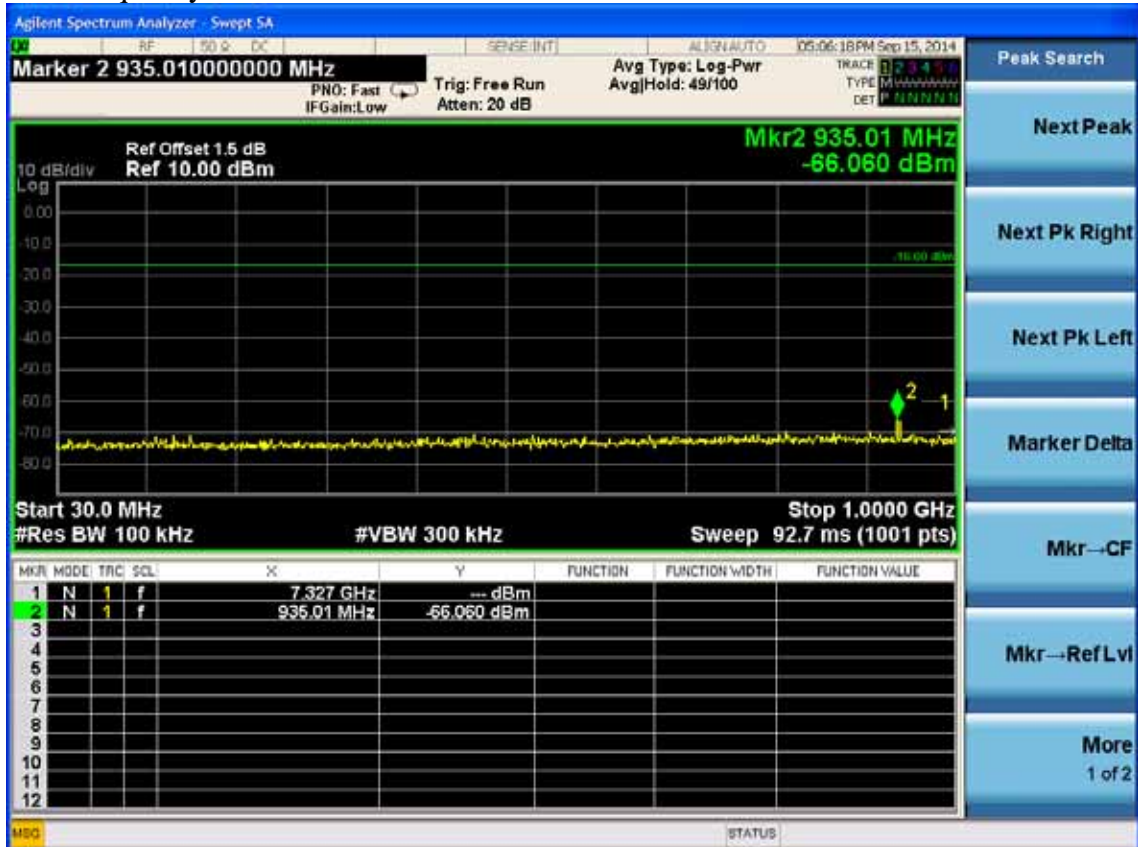
Test Frequency: 2402MHz

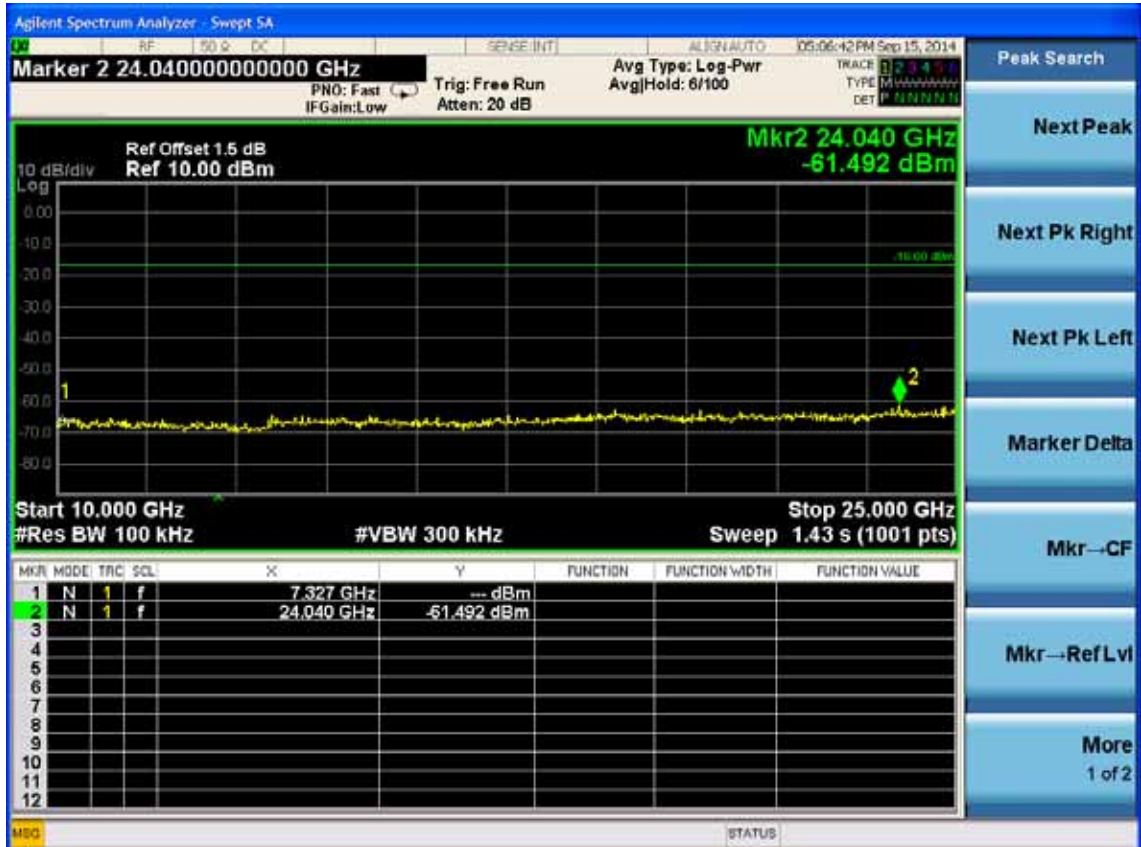
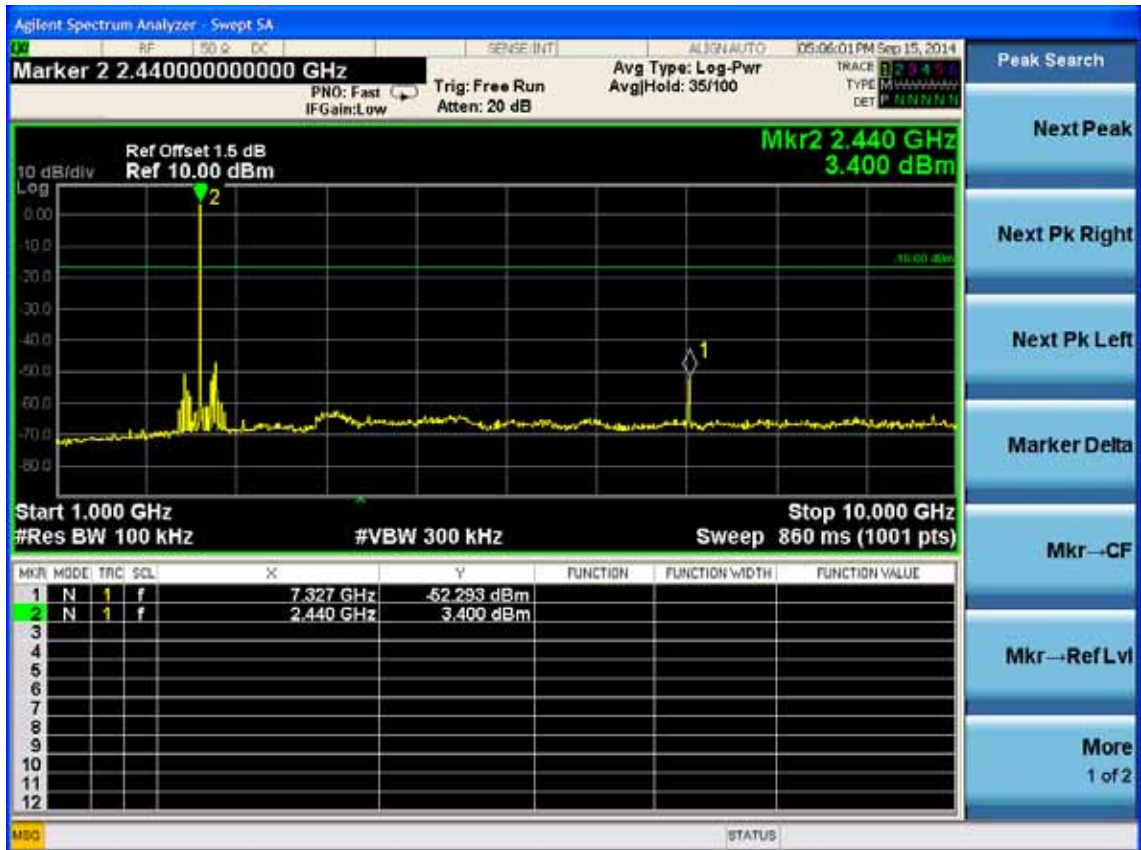




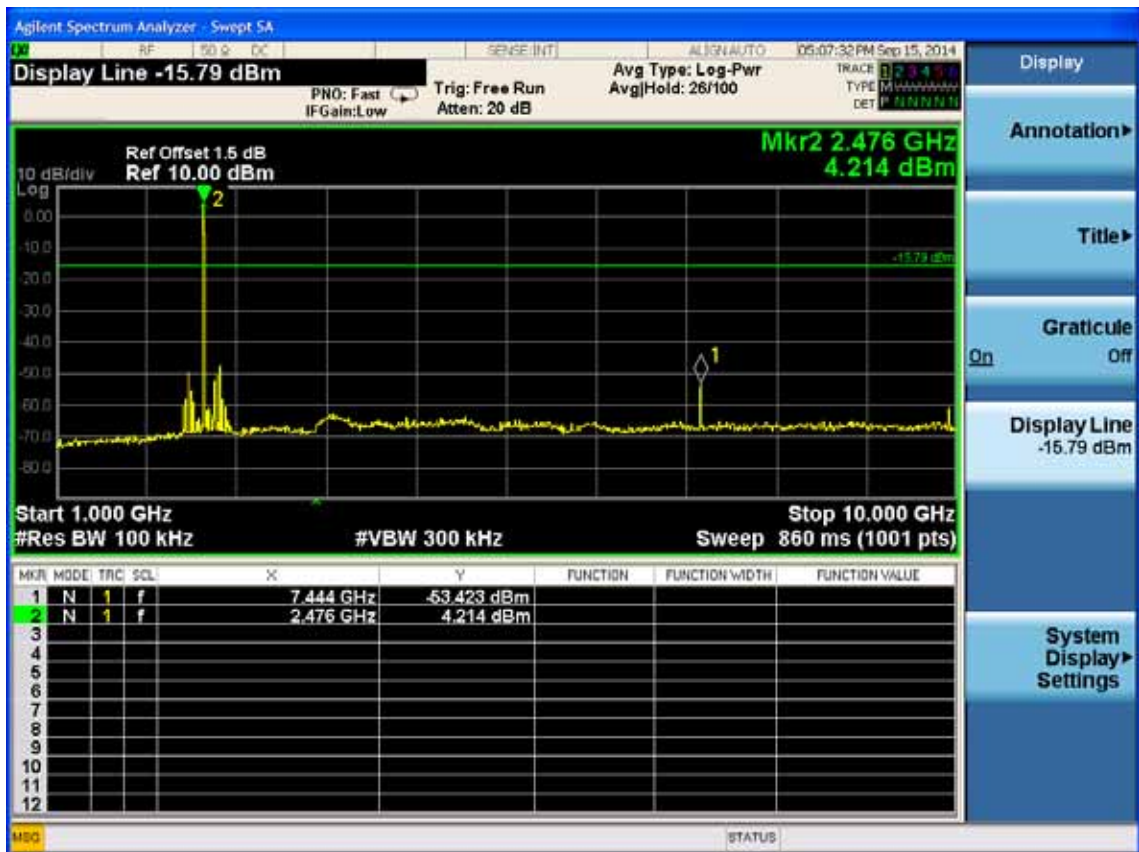
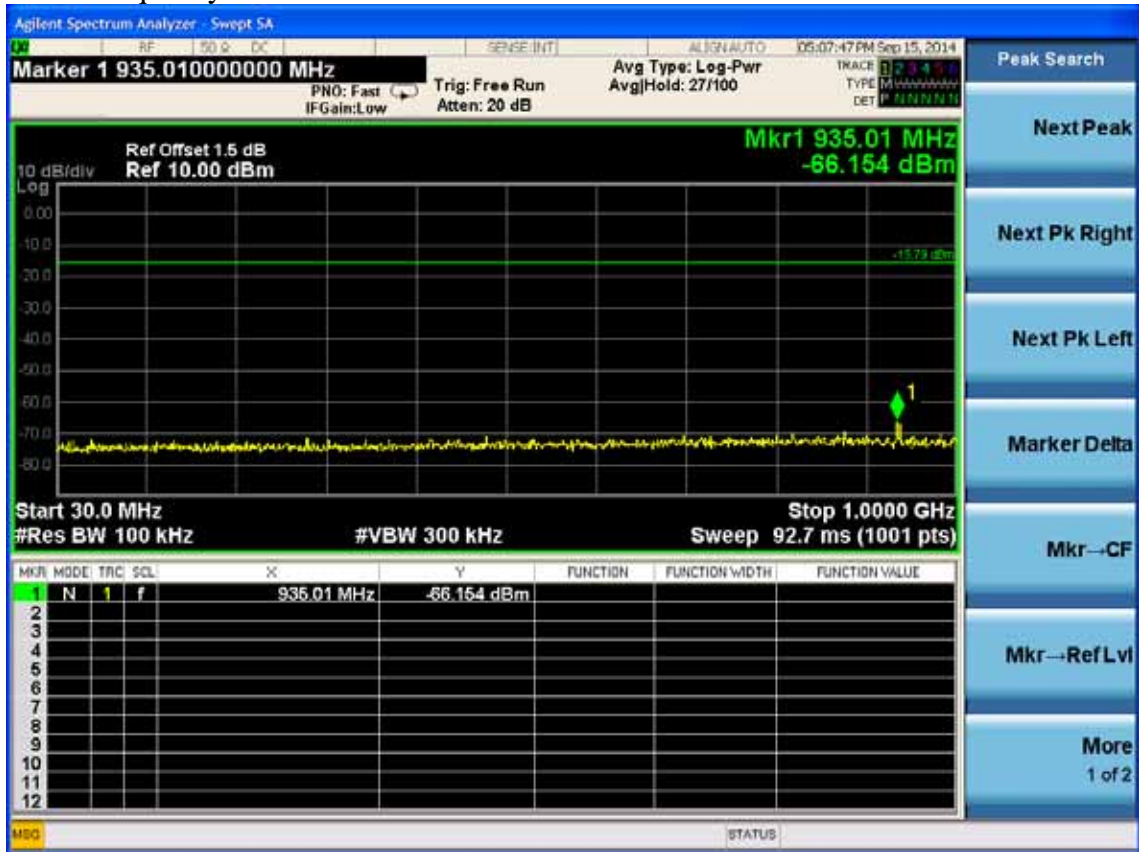


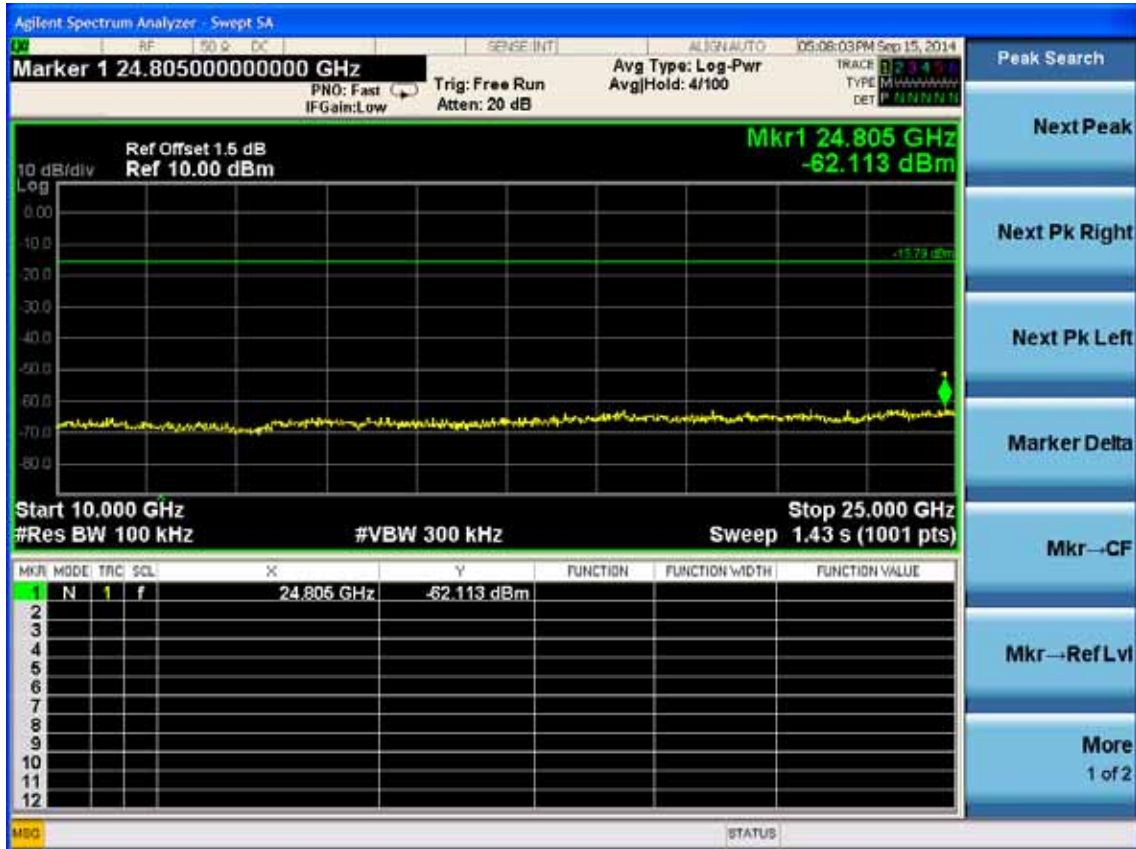
Test Frequency: 2441MHz



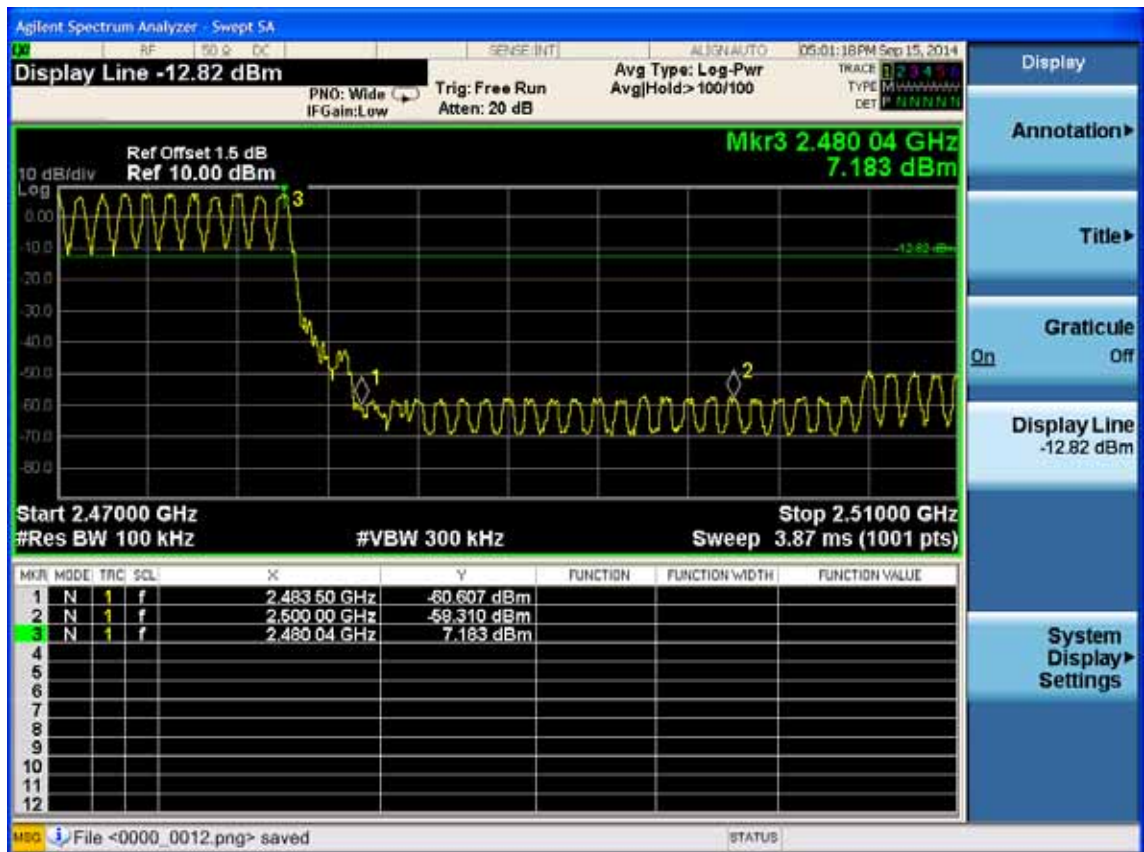
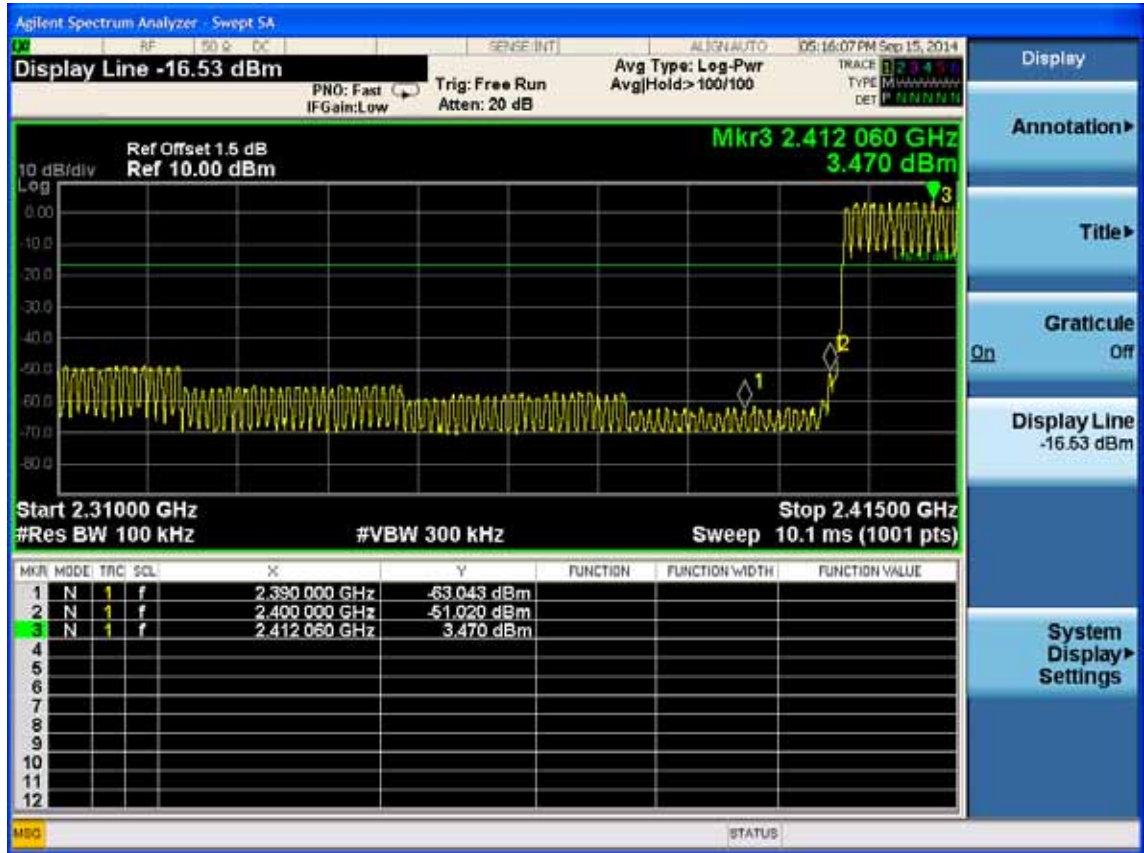


Test Frequency: 2480MHz

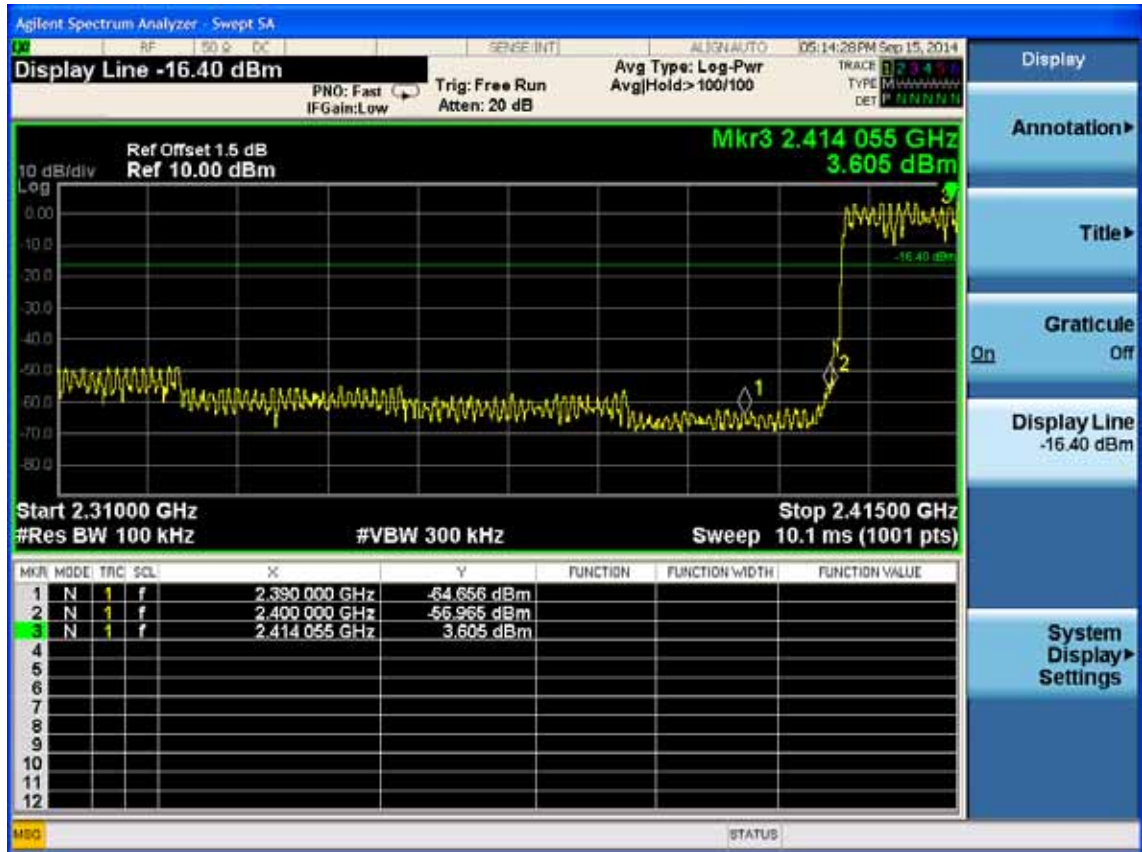




Hopping on GFSK



8 DPSK



6. CARRIER FREQUENCY SEPARATION TEST

6.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1	Spectrum Analyzer	Agilent	N9030A	MY51380221	Oct.31, 13	1Year

6.2. Limit

Frequency hopping systems shall have hopping channel carrier frequency separated by a minimum of 25kHz or the 20dB bandwidth of the hopping channel, whichever is greater. Alternatively, frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater, provided the systems operate with an output power no greater than 125 mW.

6.3. Test Results.

EUT: HOME THEATRE SYSTEM		
M/N: HT-XT100		
Test date: 2014-09-15	Pressure: 101.4±1.0kpa	Humidity: 53.5±1.0%
Tested by: Kobe-Huang	Test site: RF site	Temperature:22.6±1.0°C

Test Mode	Channel separation	Conclusion
8-DPSK	1.0MHz	PASS
GFSK	1.0MHz	PASS



7. 20 DB BANDWIDTH TEST

7.1. Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.31, 13	1 Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr. 28,14	1 Year
3.	RF Cable	Hubersuhner	SUCOFLEX102	28620/2	Apr. 28,14	1 Year

7.2. Limit

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.

7.3. Test Results

EUT: HOME THEATRE SYSTEM		
M/N: HT-XT100		
Test date: 2014-09-15	Pressure: 101.4±1.0kpa	Humidity: 53.5±1.0%
Tested by: Kobe-Huang	Test site: RF site	Temperature: 22.6±1.0°C

Test Mode	Frequency (MHz)	20dB bandwidth (KHz)	Limit (KHz)
GFSK	2402	908.2	N/A
	2441	881.5	N/A
	2480	880.9	N/A
8-DPSK	2402	1209	N/A
	2441	1211	N/A
	2480	1212	N/A
Conclusion : PASS			