

Appendix A
RF Test Data for BT V4.0(BDR/EDR) (Conducted Measurement)

Product Name: Mishiko Collar

Trade Mark: MISHIKO

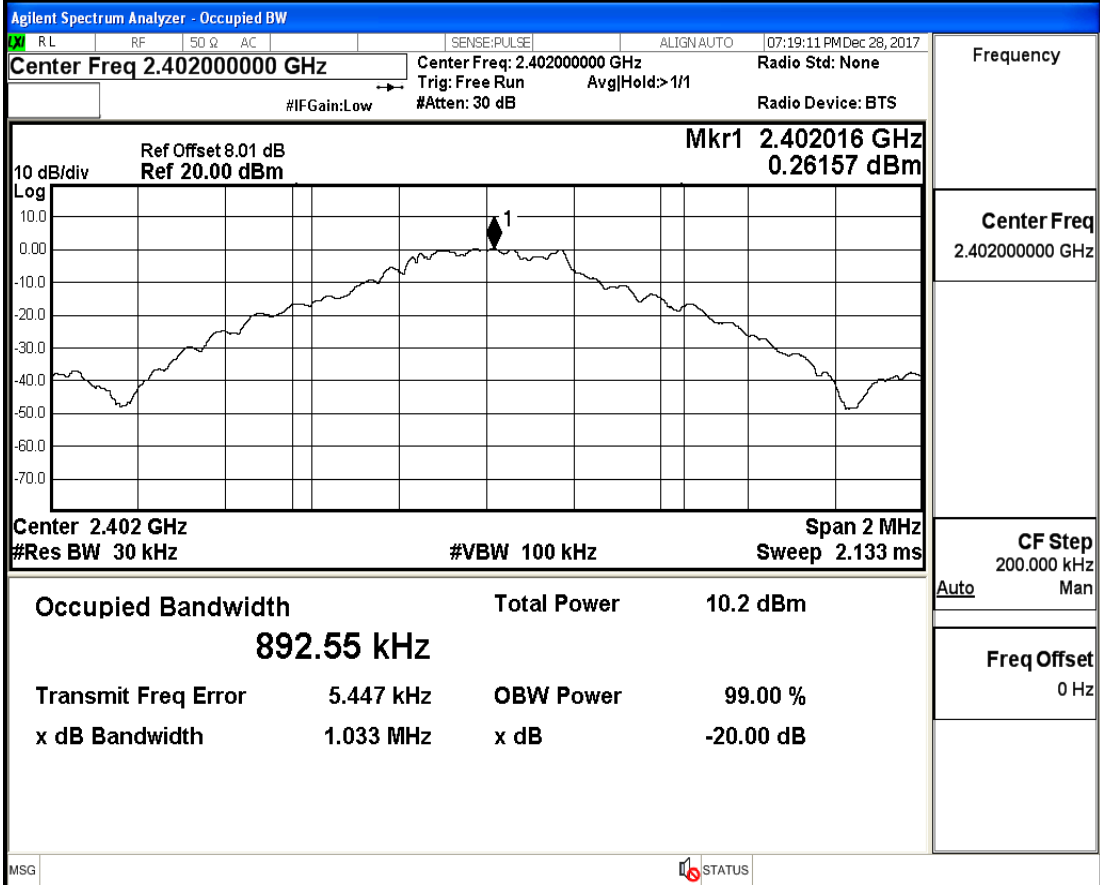
Test Model: M103

FCC ID: 2AID9M103

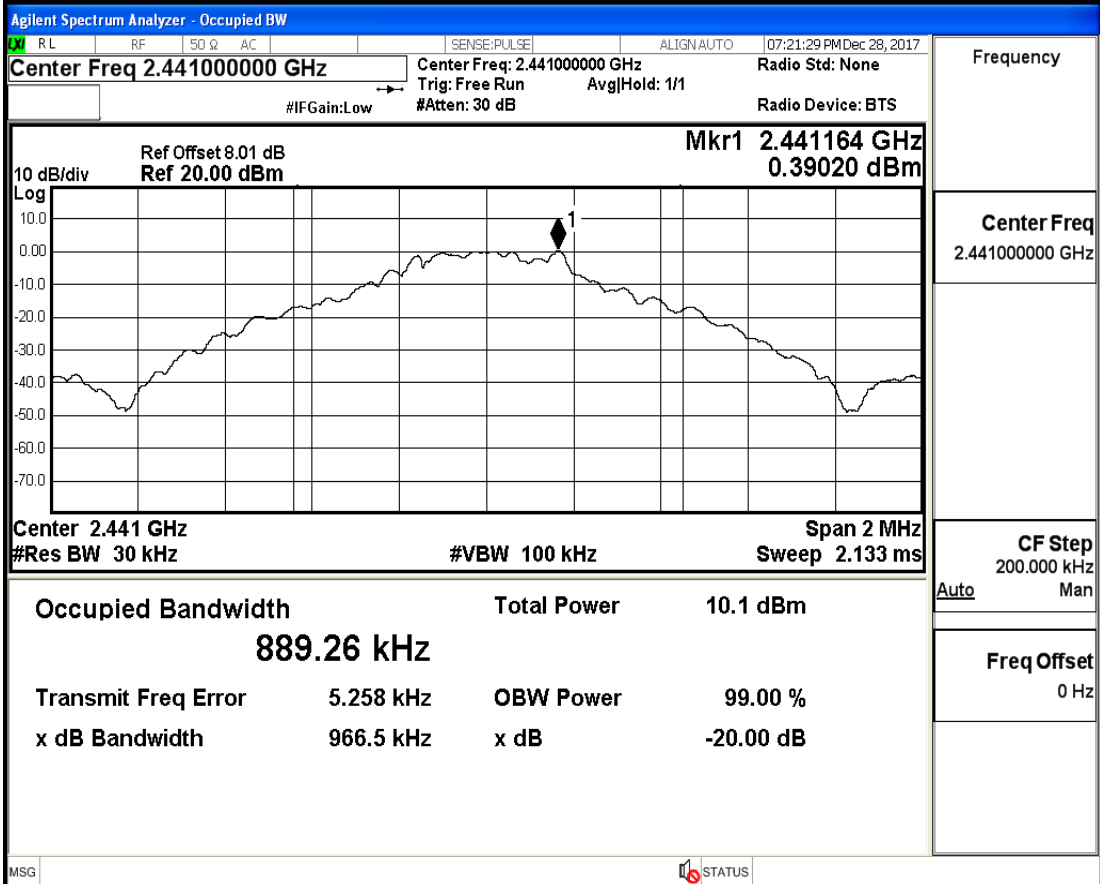
A.1 20 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
GFSK	2402	1.033	---	PASS
	2441	0.9665	---	PASS
	2480	1.032	---	PASS
$\pi/4$ -DQPSK	2402	1.289	---	PASS
	2441	1.288	---	PASS
	2480	1.288	---	PASS
8-DPSK	2402	1.290	---	PASS
	2441	1.298	---	PASS
	2480	1.296	---	PASS

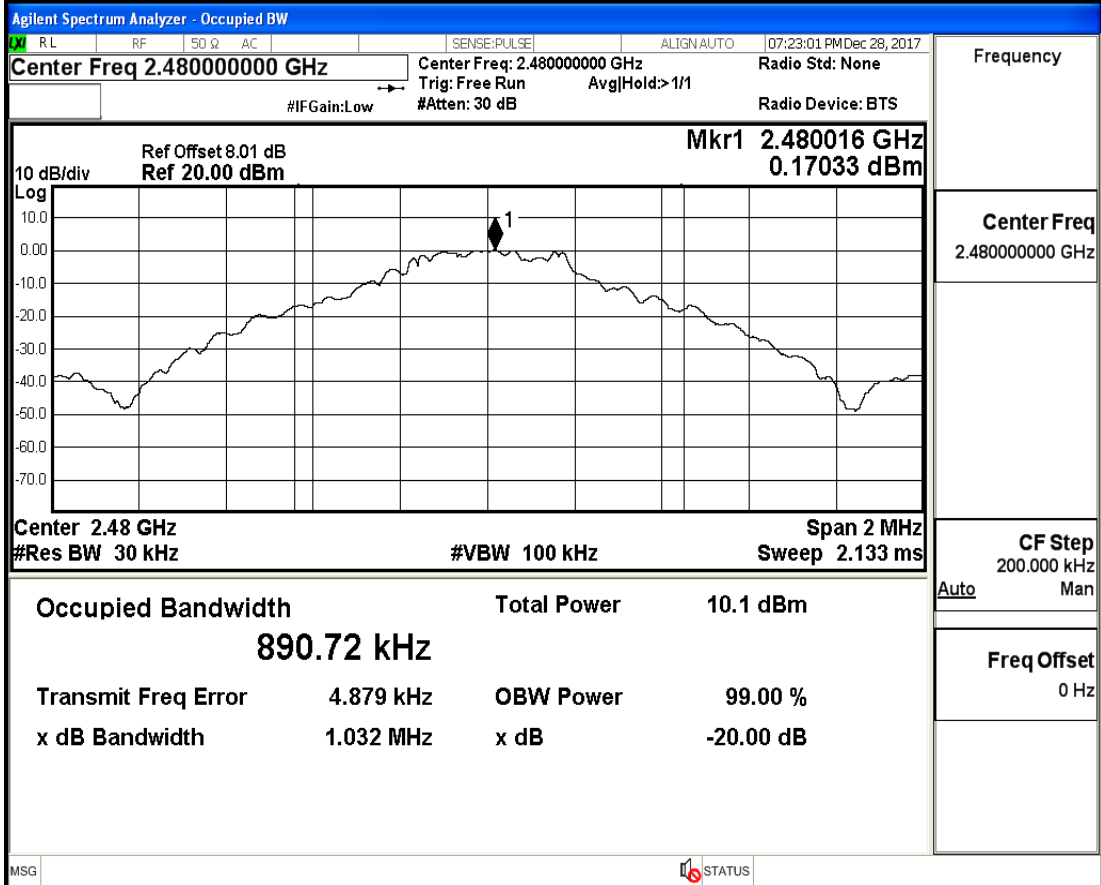
20 dB Bandwidth_GFSK_2402



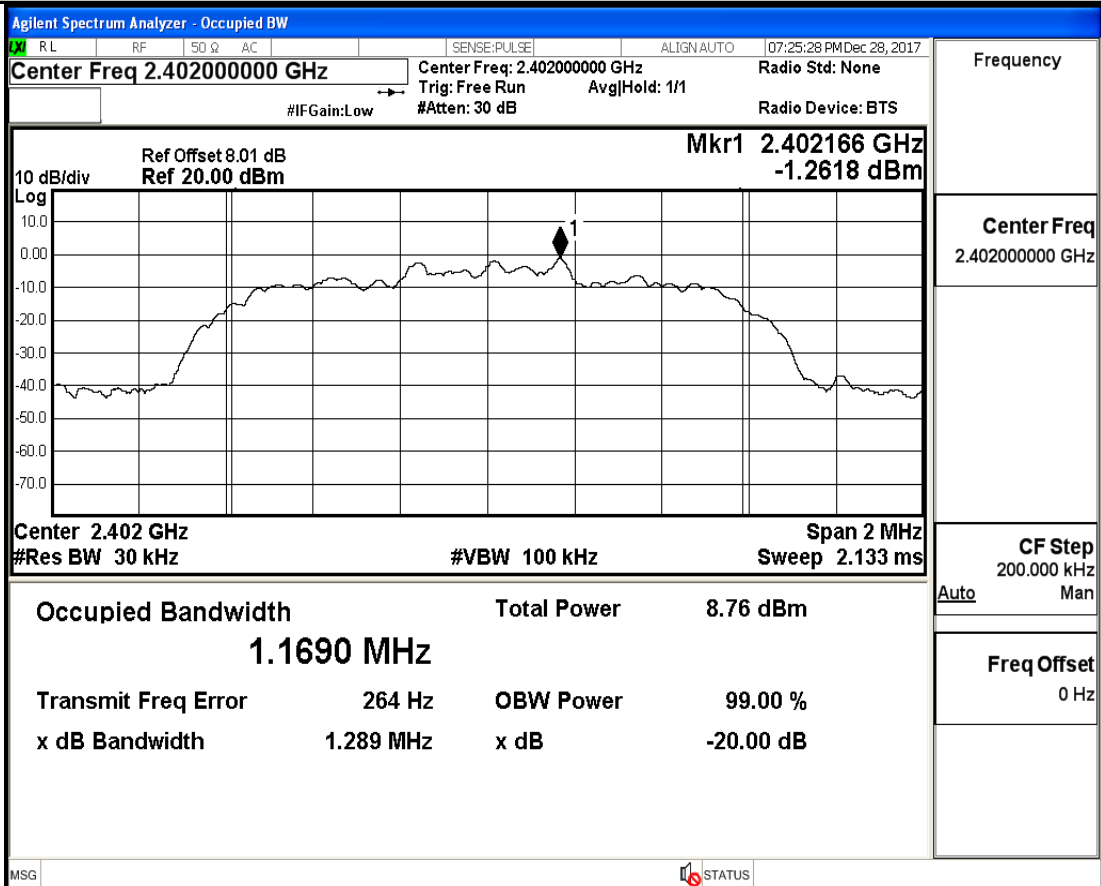
20 dB Bandwidth_GFSK_2441



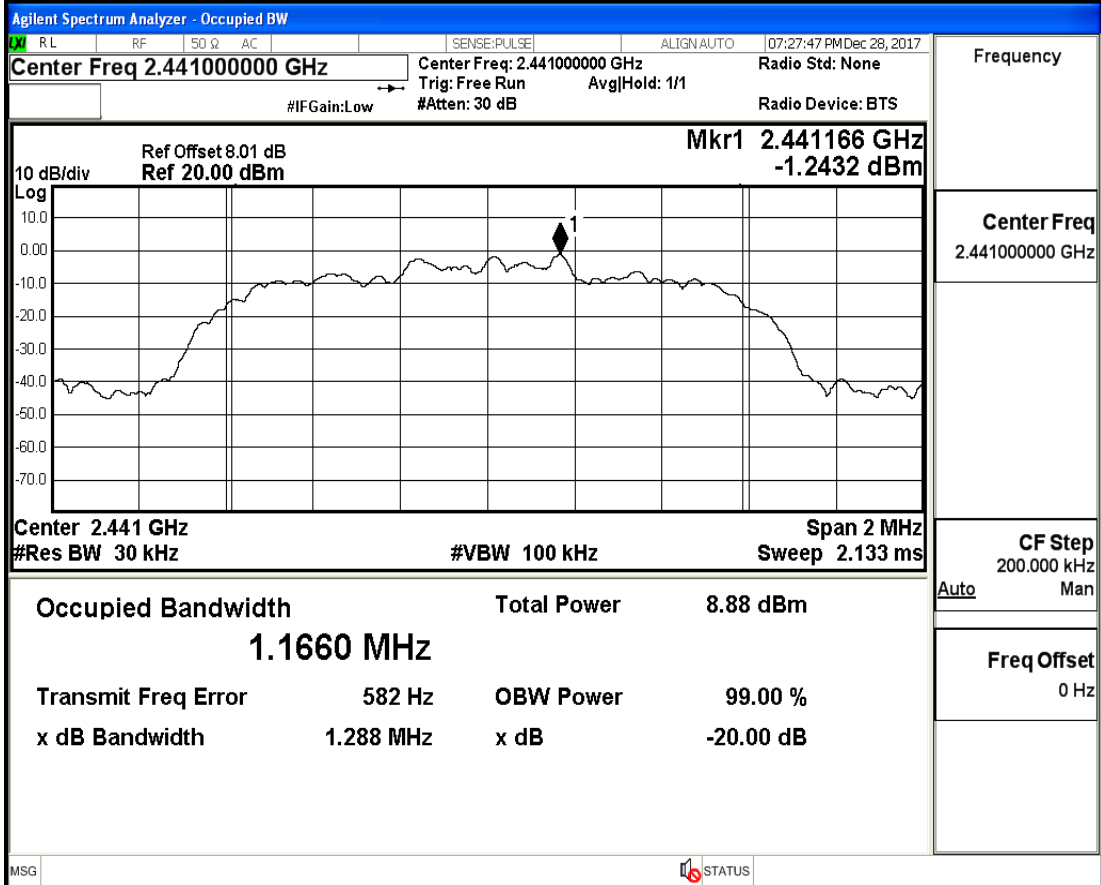
20 dB Bandwidth_GFSK_2480



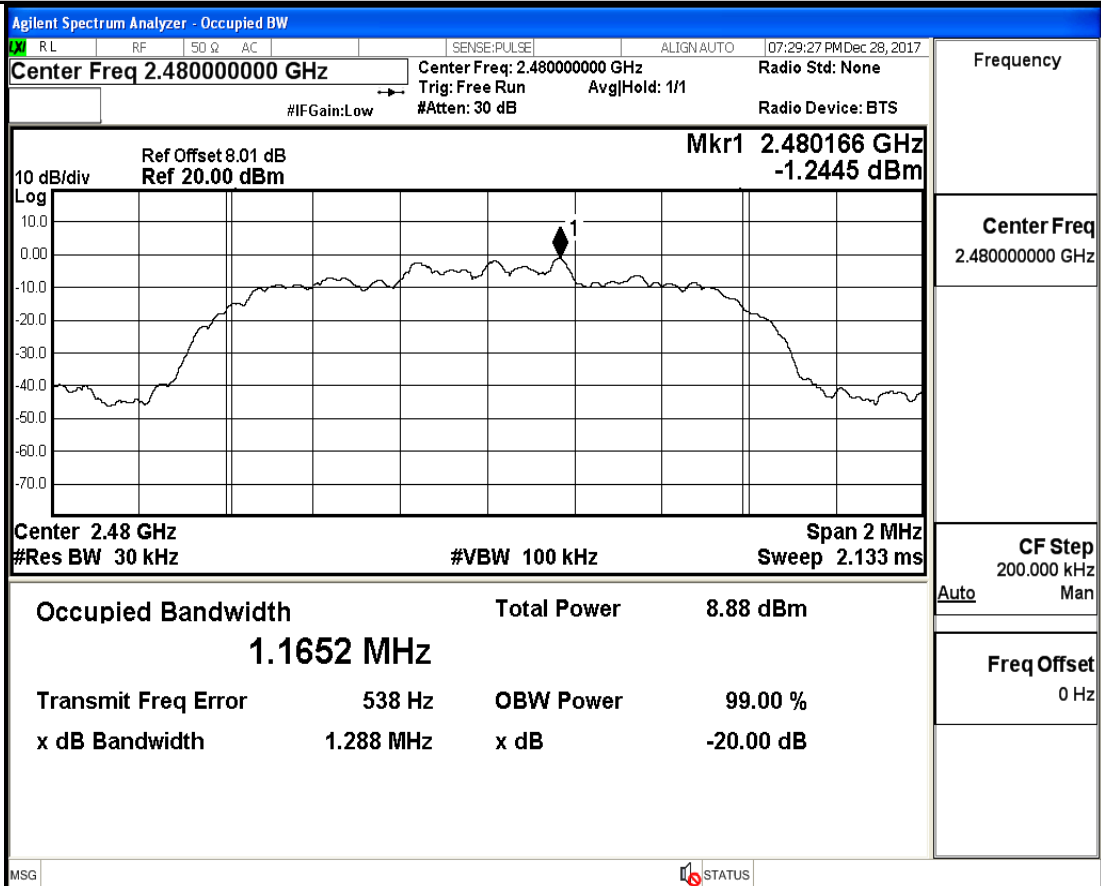
20 dB Bandwidth_π/4-DQPSK_2402



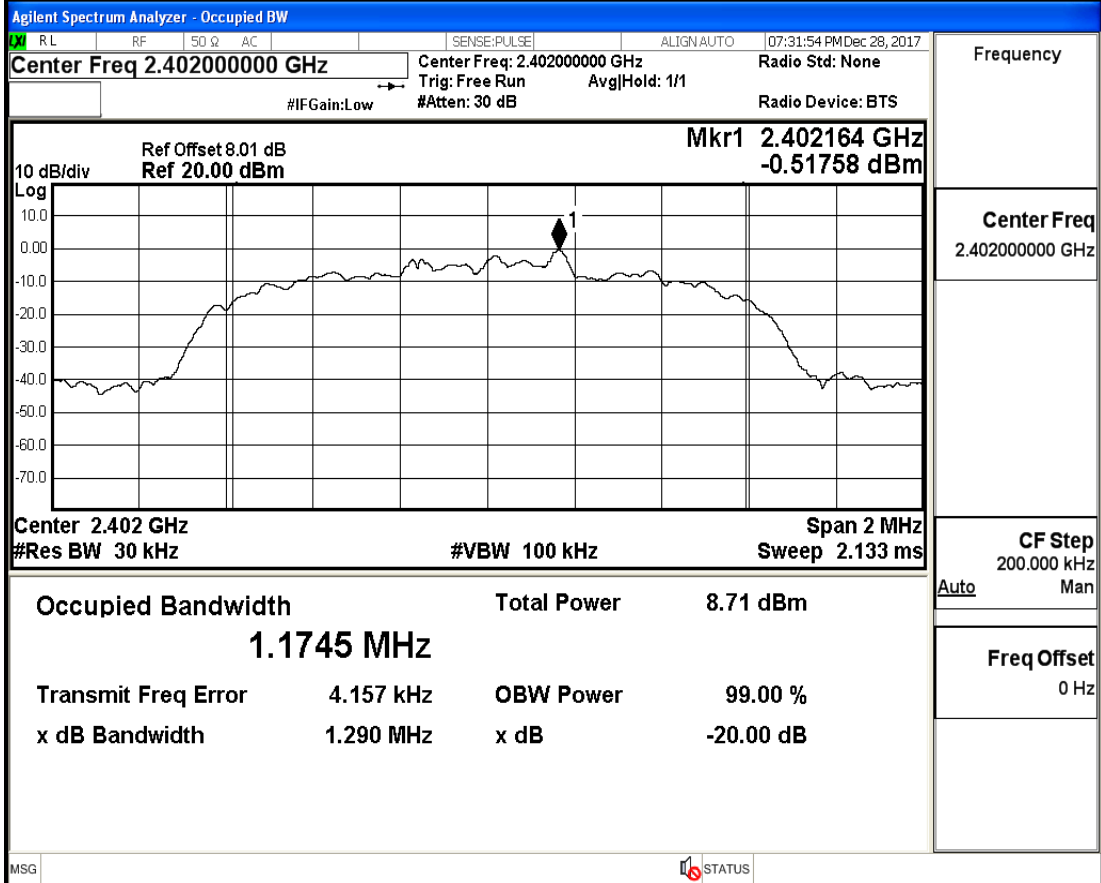
20 dB Bandwidth_π/4-DQPSK_2441



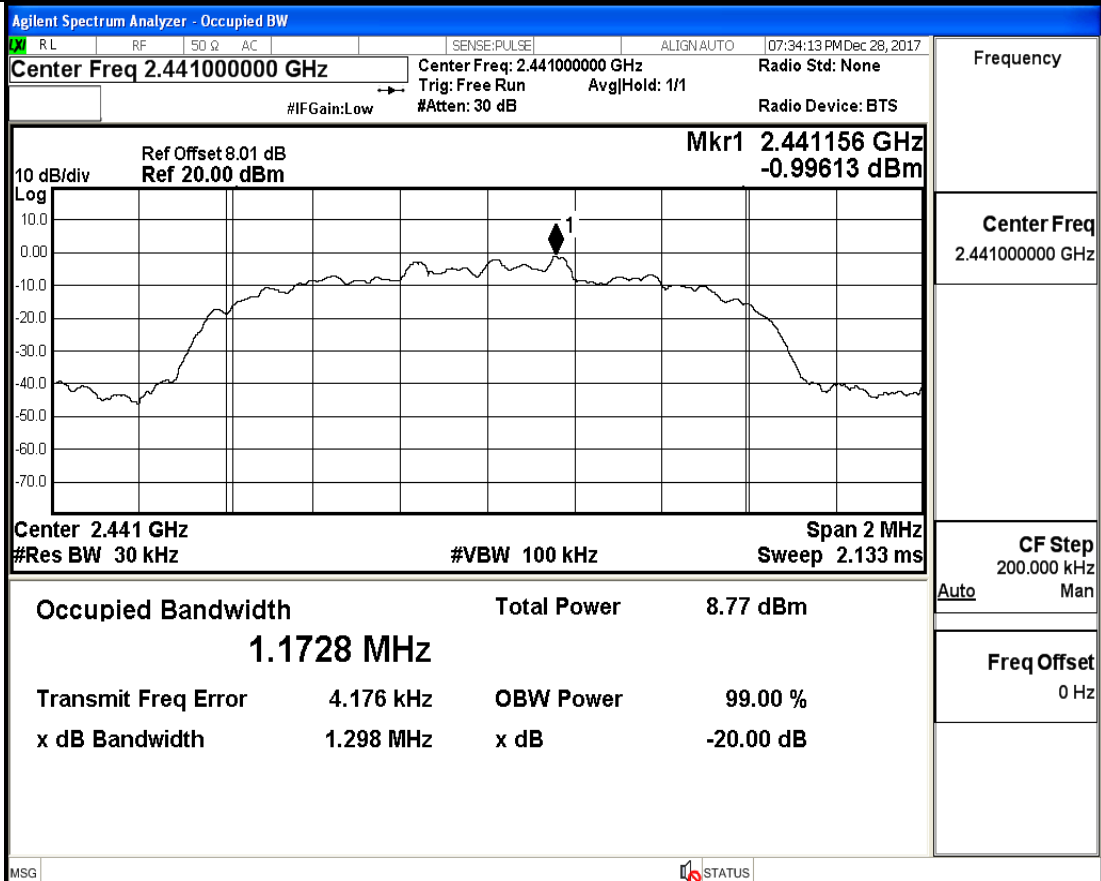
20 dB Bandwidth_π/4-DQPSK_2480



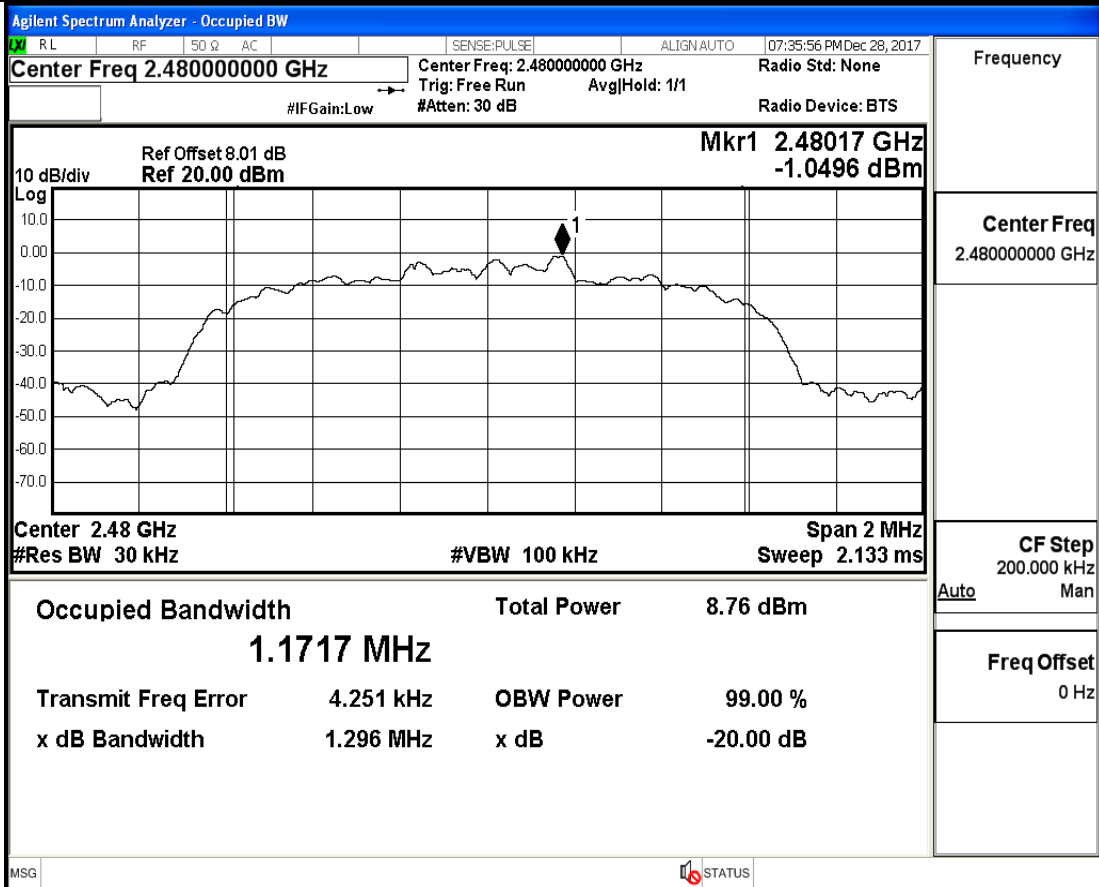
20 dB Bandwidth_8-DPSK_2402



20 dB Bandwidth_8-DPSK_2441



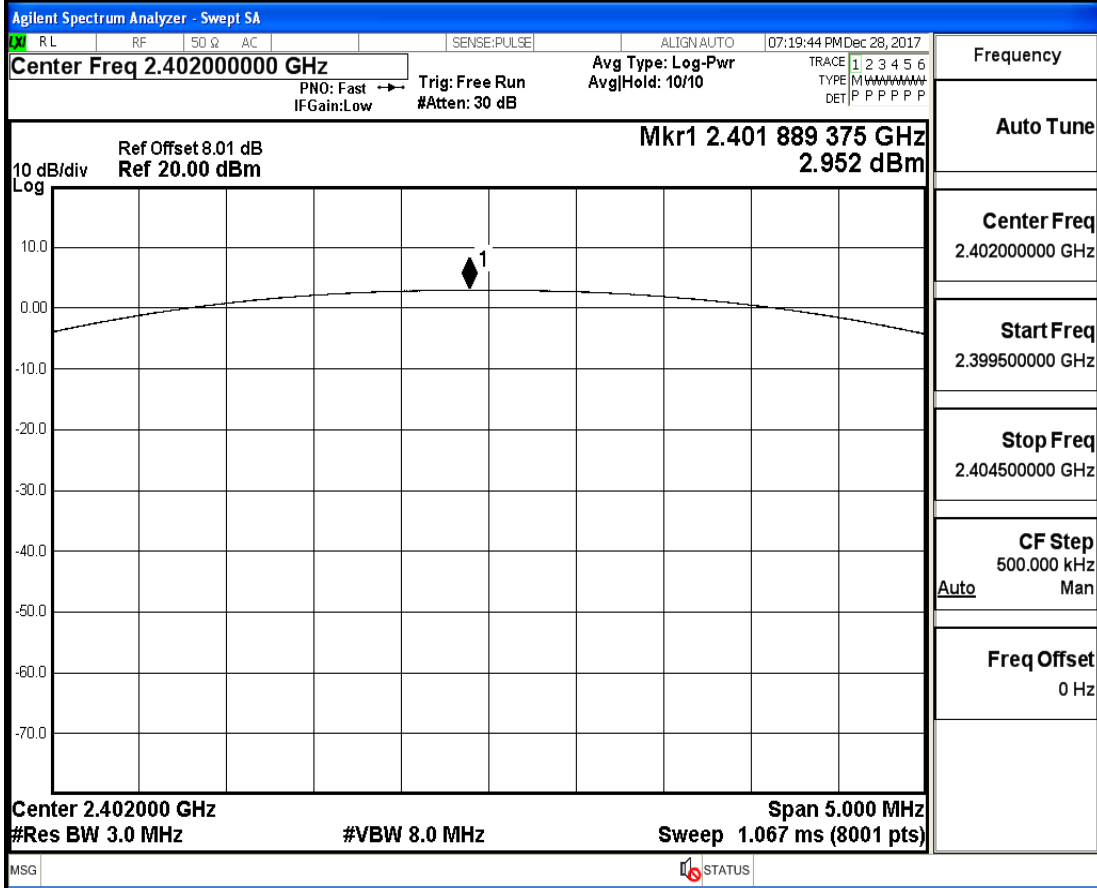
20 dB Bandwidth_8-DPSK_2480



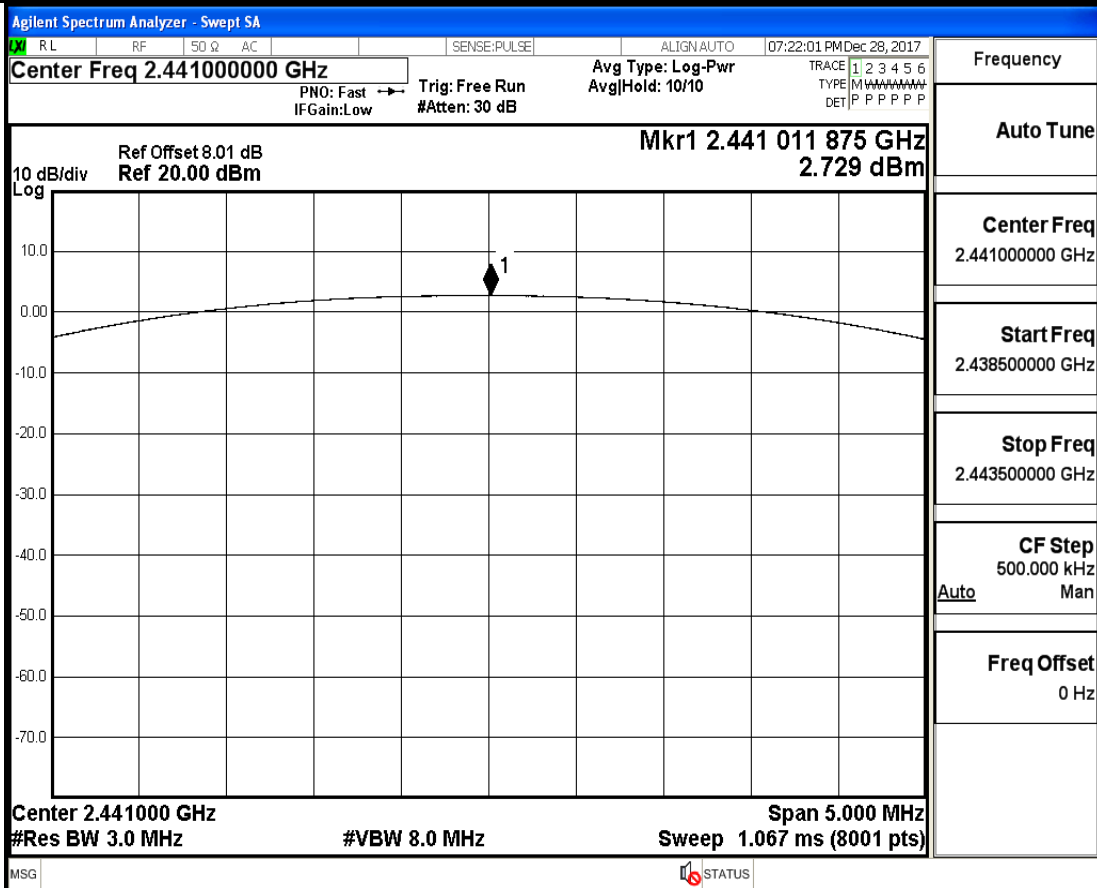
A.2 Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
GFSK	2402	2.952	21	PASS
	2441	2.729	21	PASS
	2480	2.813	21	PASS
$\pi/4$ -DQPSK	2402	2.459	21	PASS
	2441	2.563	21	PASS
	2480	2.642	21	PASS
8-DPSK	2402	2.688	21	PASS
	2441	2.817	21	PASS
	2480	2.876	21	PASS

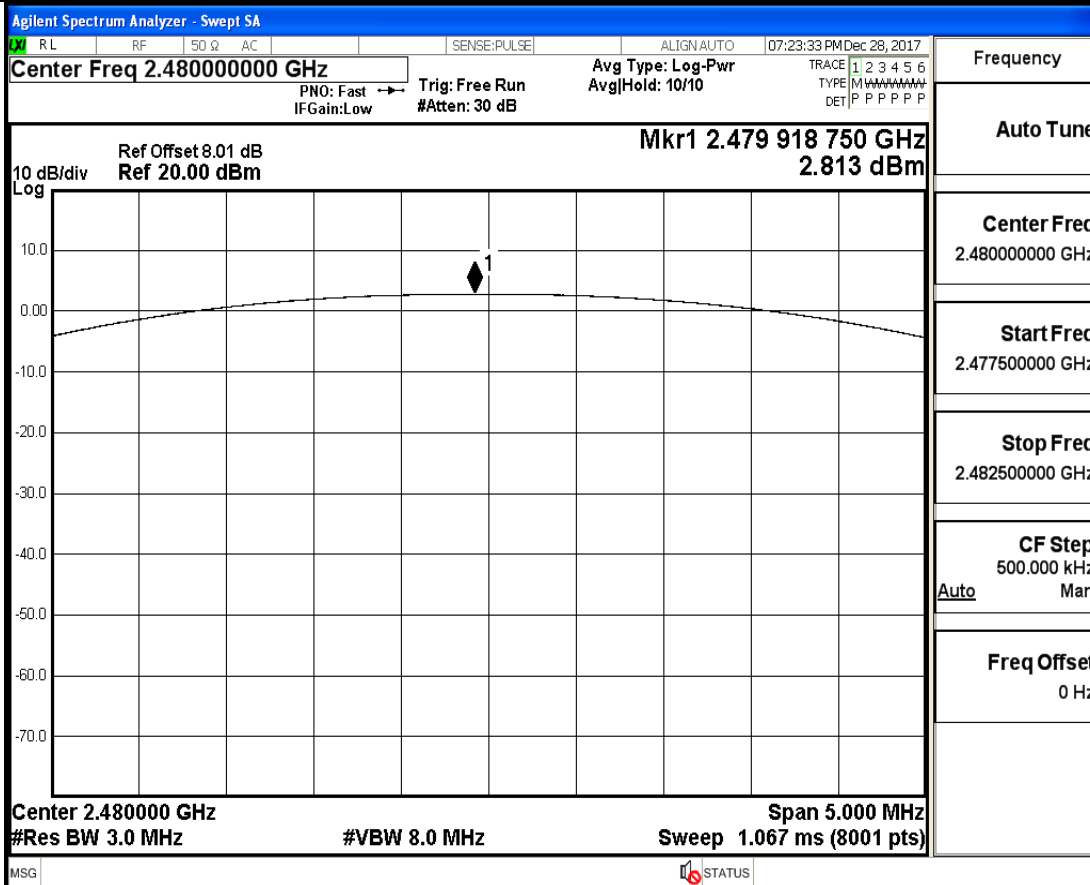
Conducted Peak Output Power_GFSK_2402



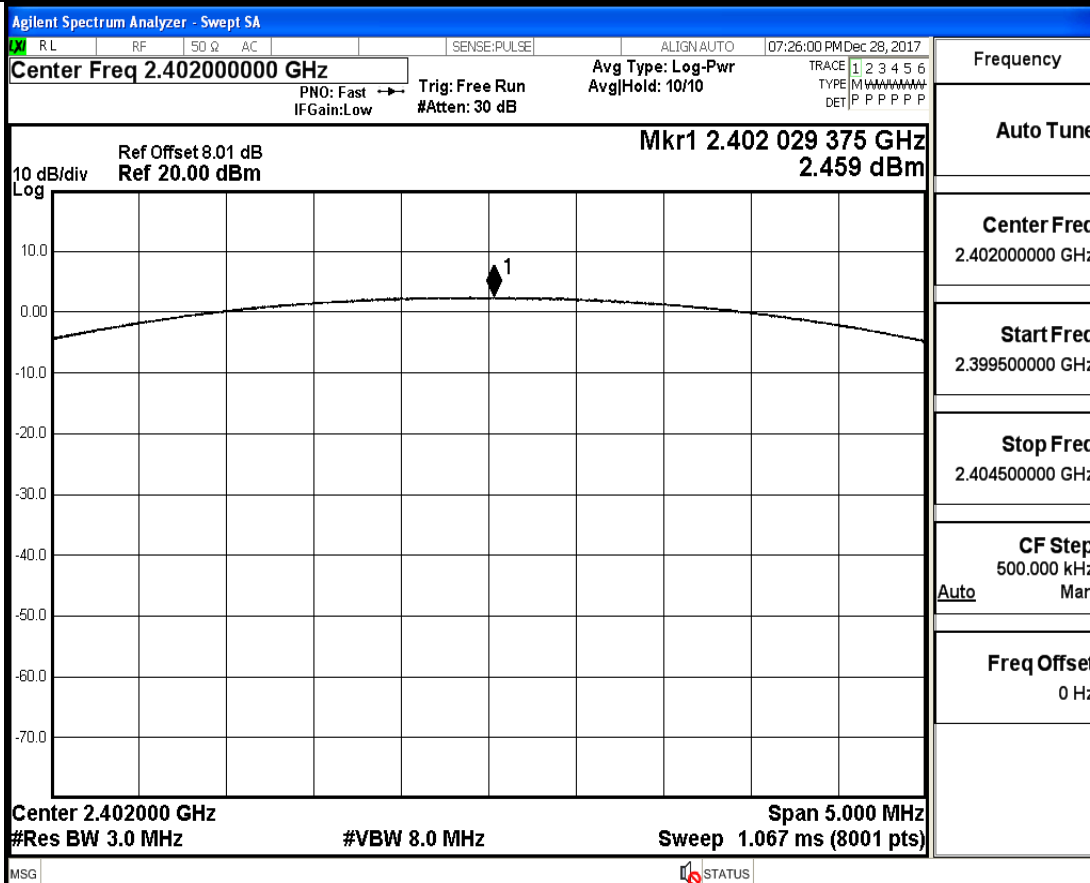
Conducted Peak Output Power_GFSK_2441



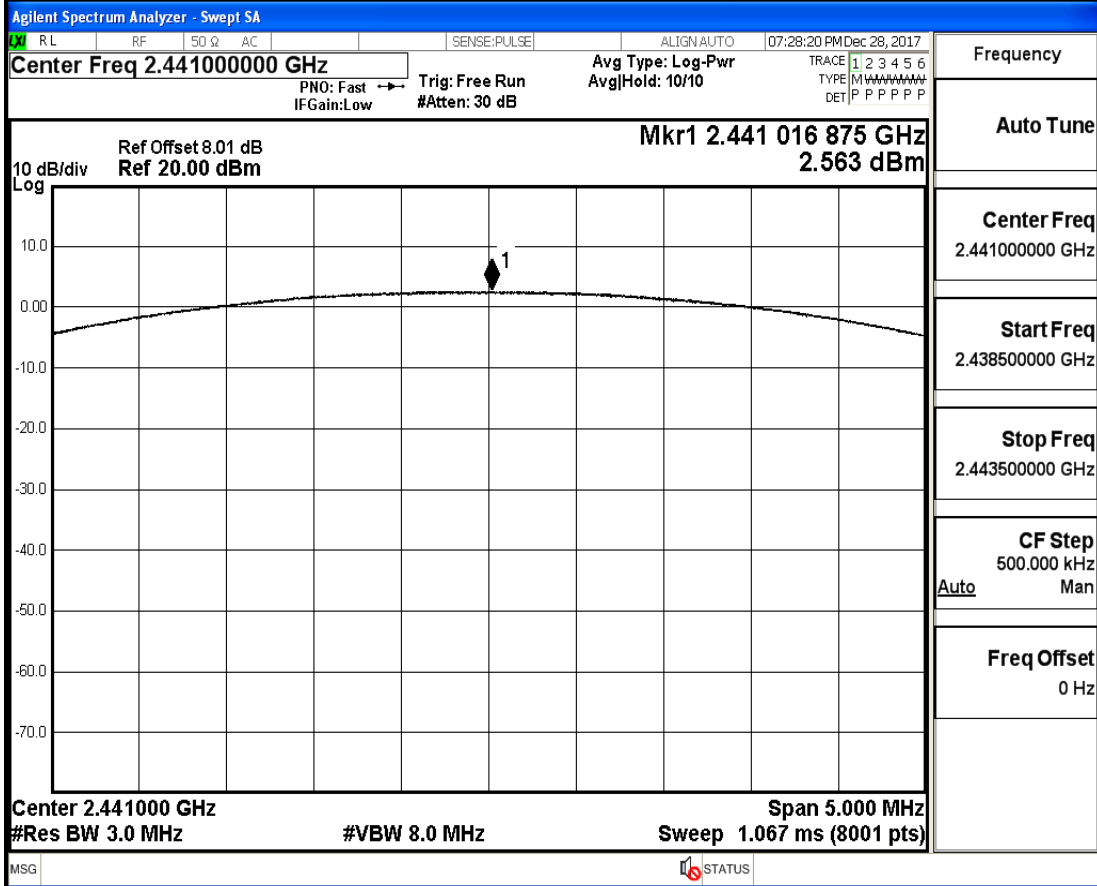
Conducted Peak Output Power_GFSK_2480



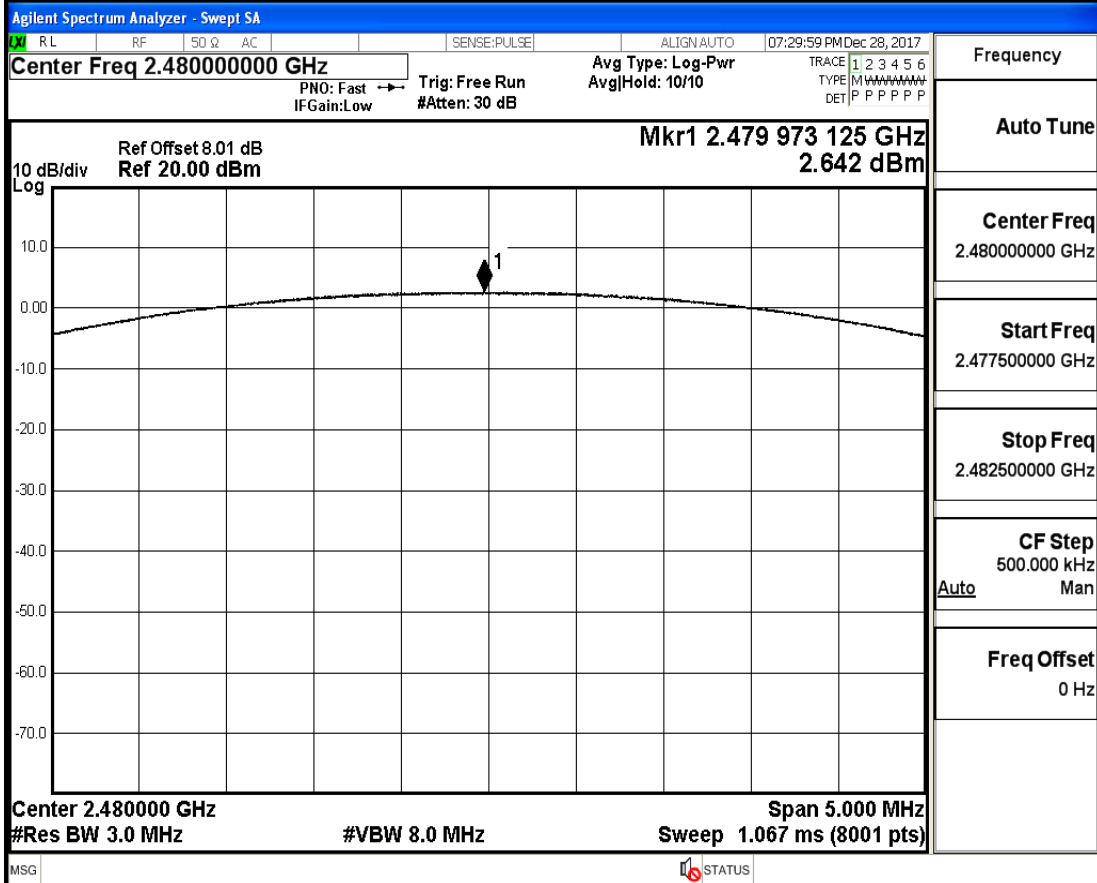
Conducted Peak Output Power_ π /4-DQPSK_2402



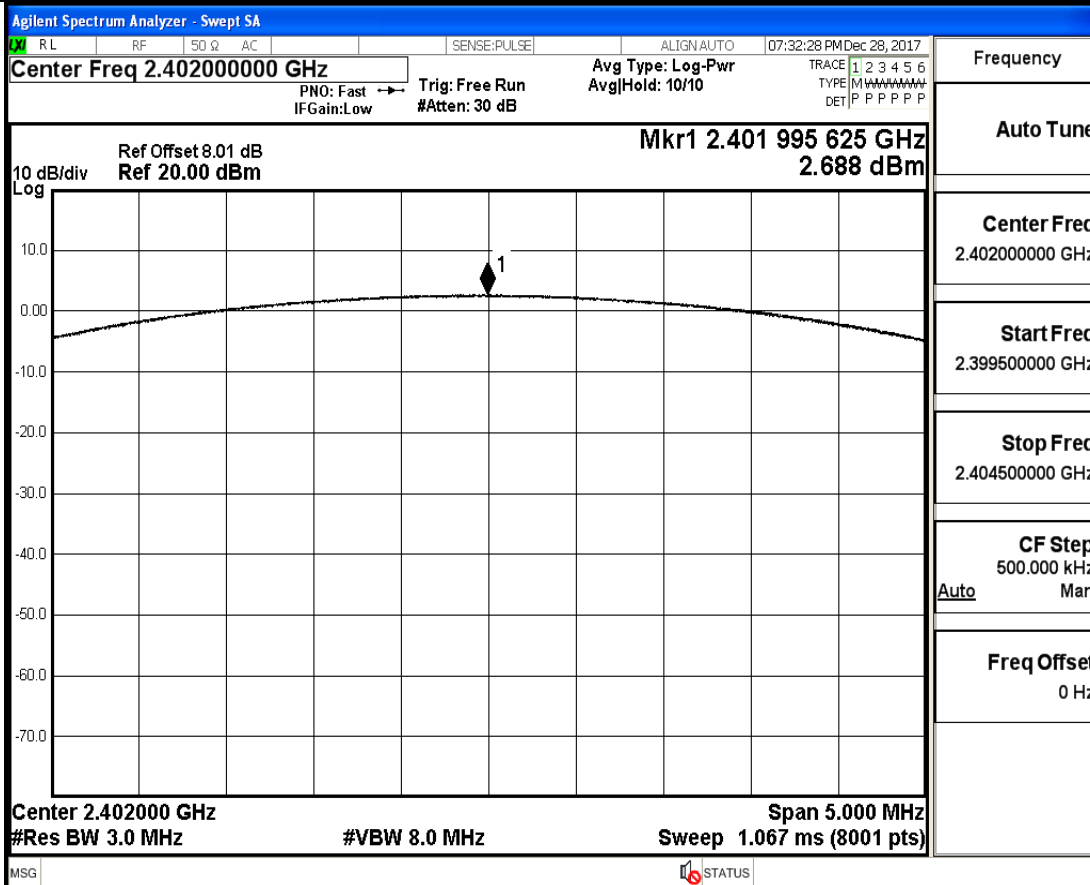
Conducted Peak Output Power_π/4-DQPSK_2441



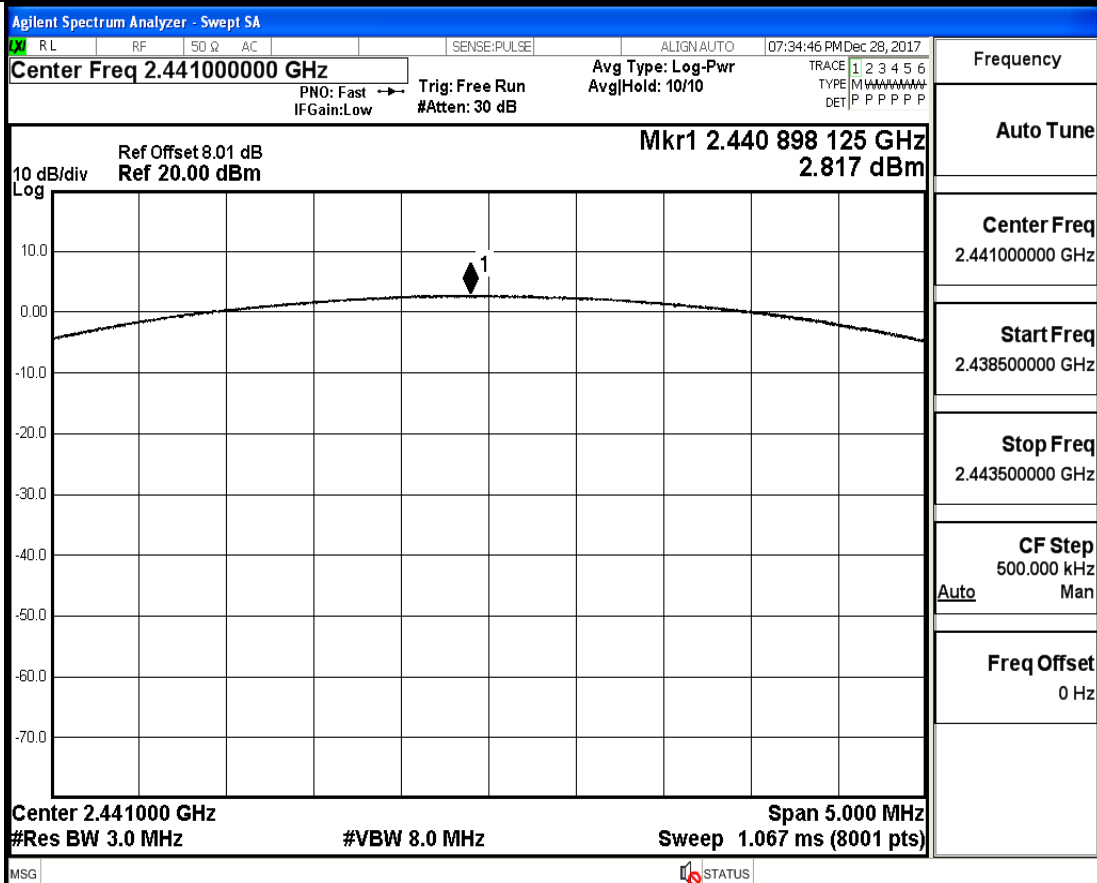
Conducted Peak Output Power_π/4-DQPSK_2480



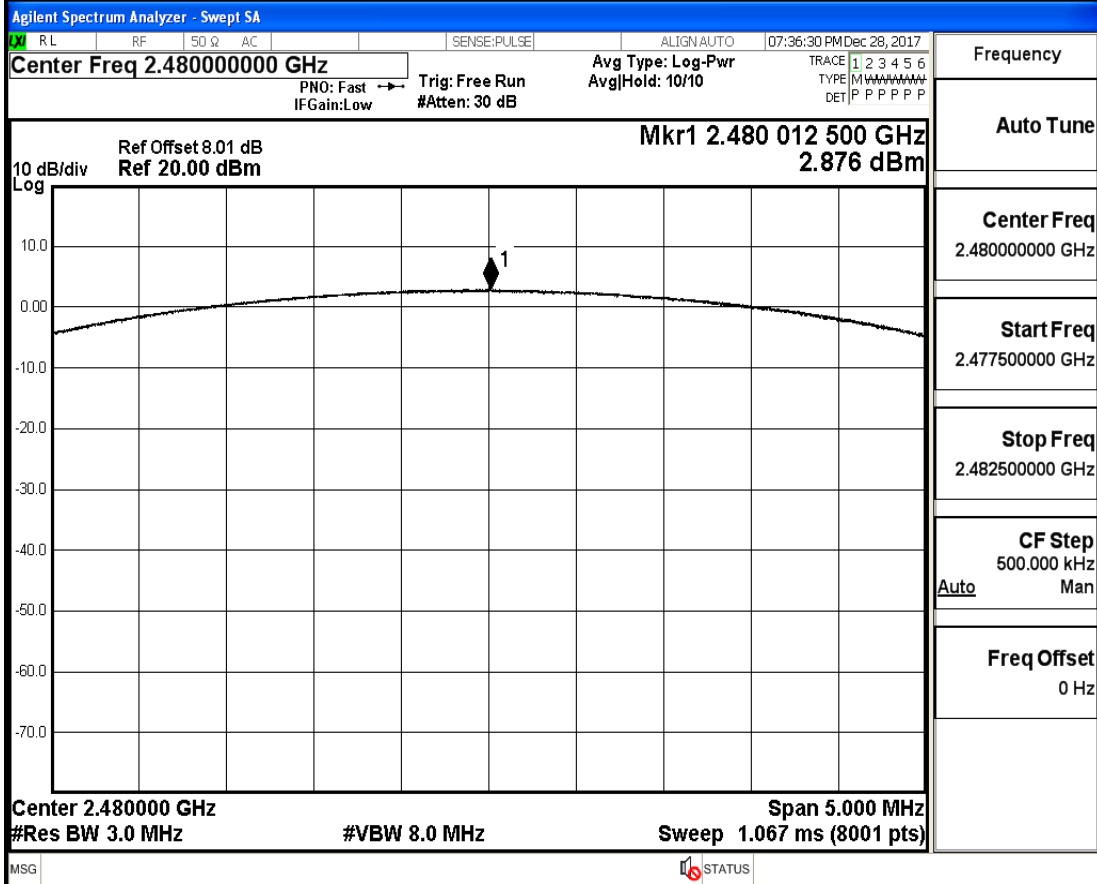
Conducted Peak Output Power_8-DPSK_2402



Conducted Peak Output Power_8-DPSK_2441



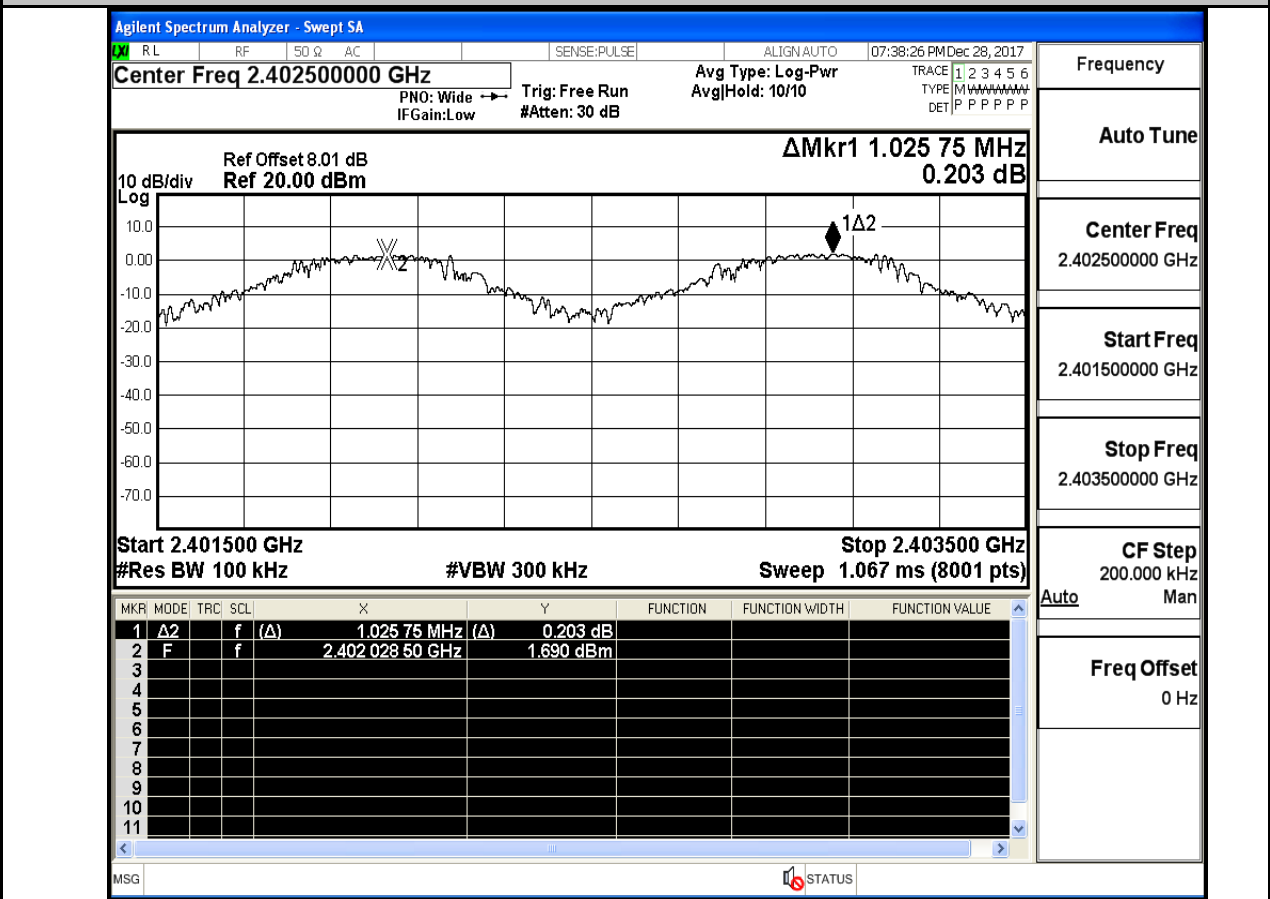
Conducted Peak Output Power_8-DPSK_2480



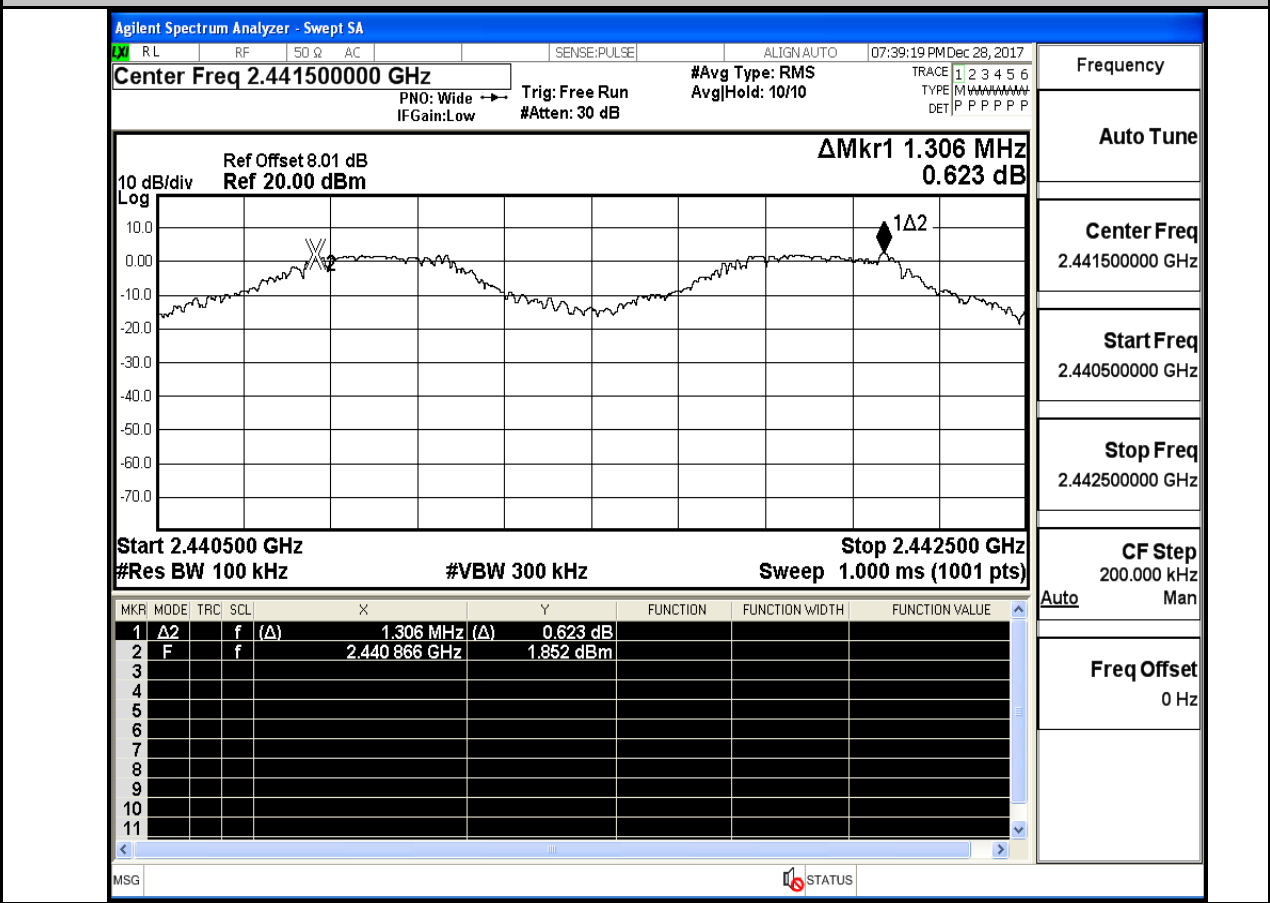
A.3 Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
GFSK	2402	1.026	0.69	PASS
	2441	1.306	0.64	PASS
	2480	1.106	0.69	PASS
$\pi/4$ -DQPSK	2402	1.142	0.86	PASS
	2441	0.98	0.86	PASS
	2480	0.86	0.86	PASS
8-DPSK	2402	0.944	0.86	PASS
	2441	1.21	0.87	PASS
	2480	0.976	0.86	PASS

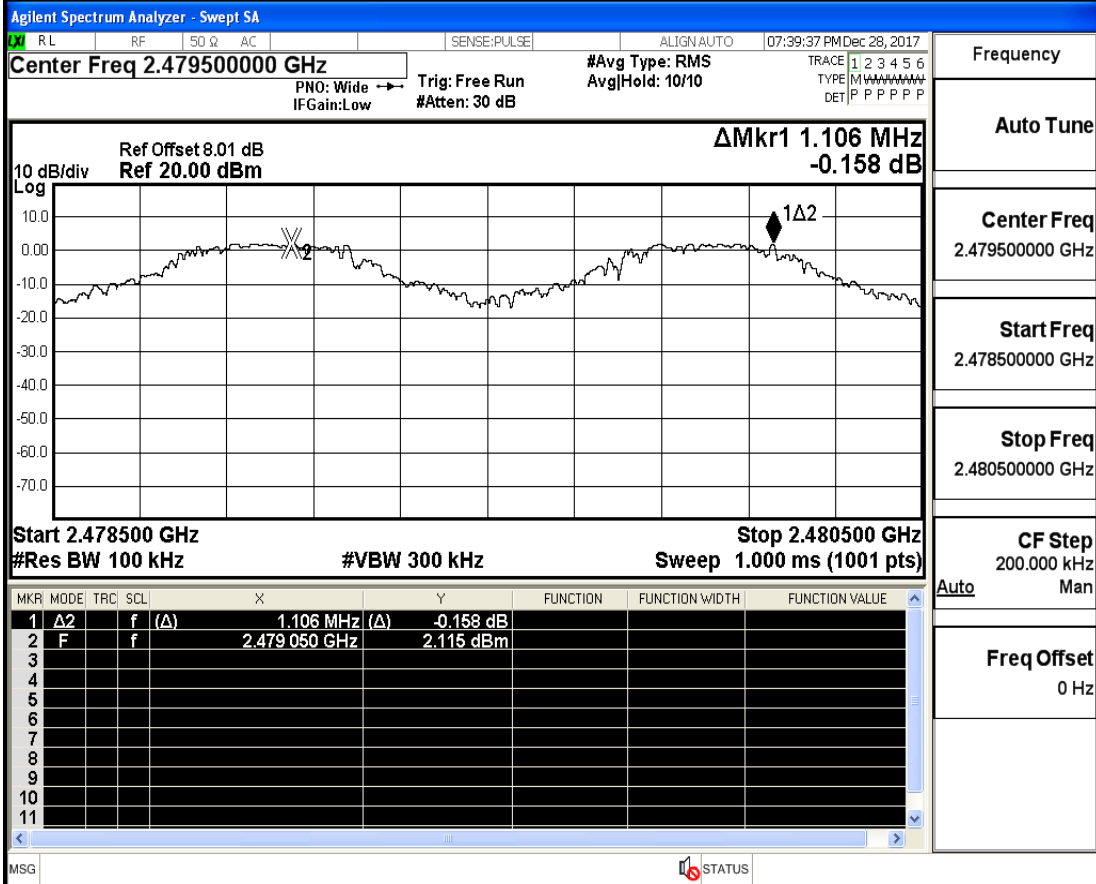
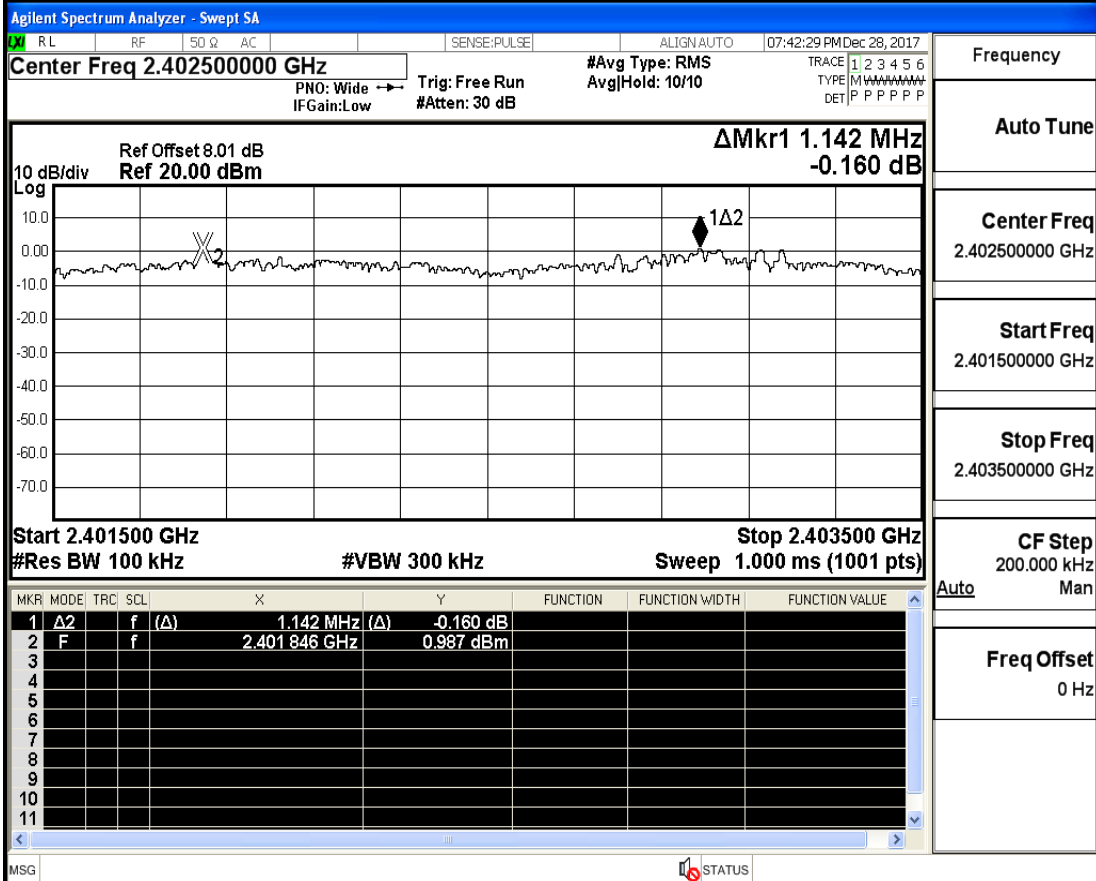
Carrier Frequency Separation_GFSK_2402



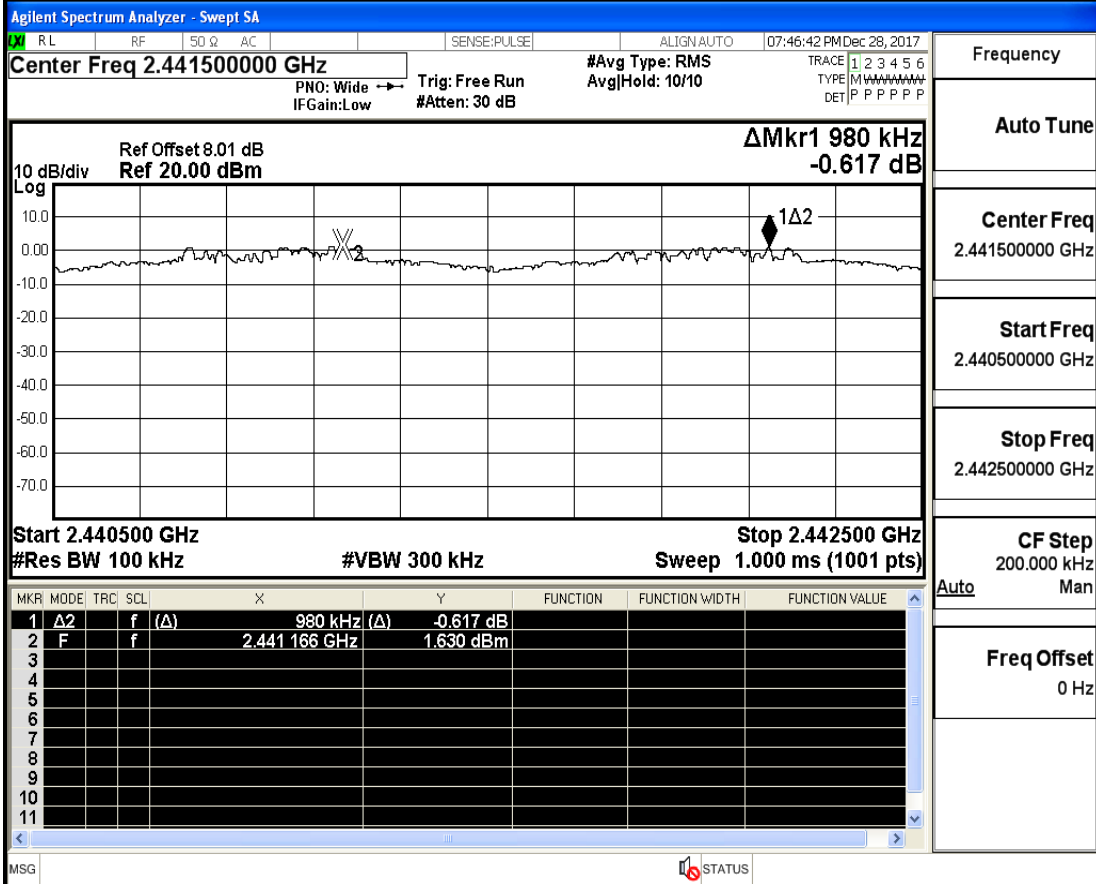
Carrier Frequency Separation_GFSK_2441



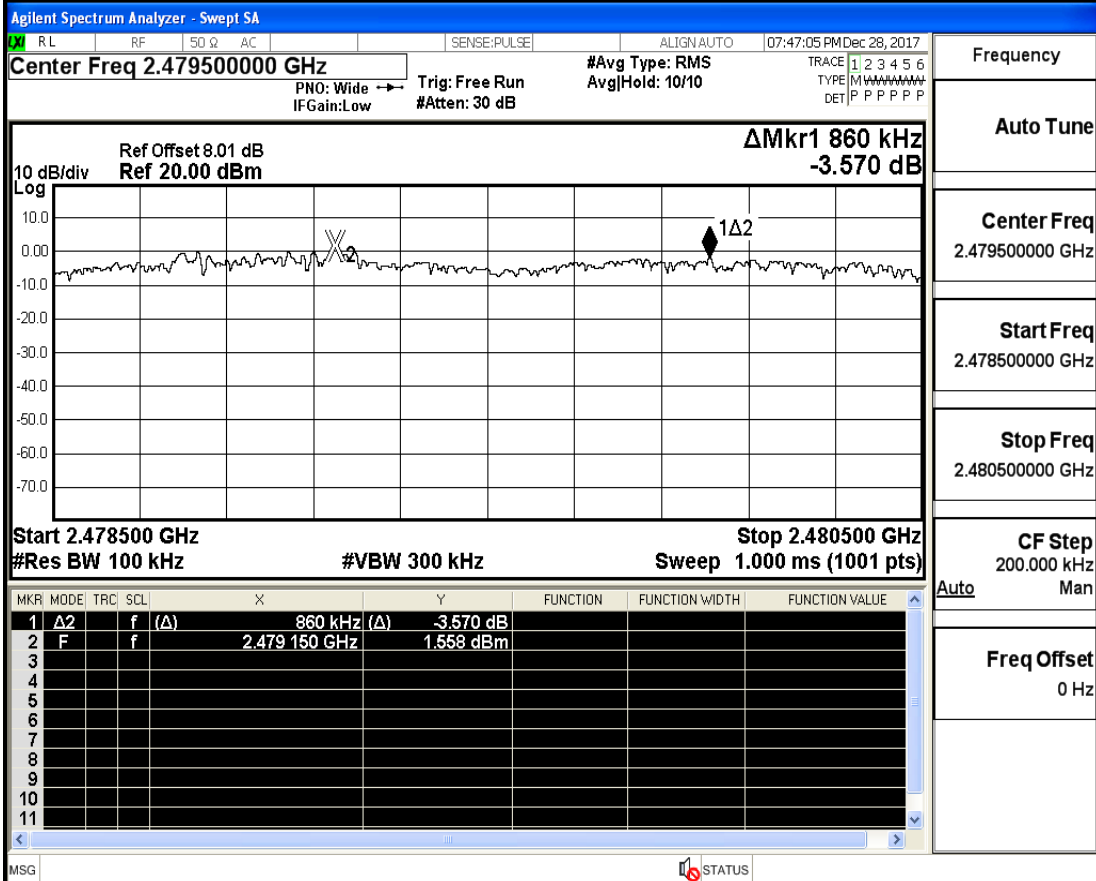
Carrier Frequency Separation_GFSK_2480

Carrier Frequency Separation_ $\pi/4$ -DQPSK_2402

Carrier Frequency Separation_π/4-DQPSK_2441



Carrier Frequency Separation_π/4-DQPSK_2480



Carrier Frequency Separation_8-DPSK_2402

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.402500000 GHz

Ref Offset 8.01 dB
Ref 20.00 dBm

10 dB/div

Log

ΔMkr1 944 kHz
-2.380 dB

1Δ2

Start 2.401500 GHz
#Res BW 100 kHz

Stop 2.403500 GHz
#VBW 300 kHz
Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2		f	(Δ)	944 kHz (Δ)	-2.380 dB		
2	F		f		2.402162 GHz	1.652 dBm		
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
2.402500000 GHz

Start Freq
2.401500000 GHz

Stop Freq
2.403500000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

Carrier Frequency Separation_8-DPSK_2441

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.441500000 GHz

Ref Offset 8.01 dB
Ref 20.00 dBm

10 dB/div

Log

ΔMkr1 1.210 MHz
-2.074 dB

1Δ2

Start 2.440500 GHz
#Res BW 100 kHz

Stop 2.442500 GHz
#VBW 300 kHz
Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2		f	(Δ)	1.210 MHz (Δ)	-2.074 dB		
2	F		f		2.440876 GHz	0.370 dBm		
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
2.441500000 GHz

Start Freq
2.440500000 GHz

Stop Freq
2.442500000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 07:51:51 PM Dec 28, 2017

Center Freq 2.441500000 GHz PNO: Wide Trig: Free Run #Avg Type: RMS Avg/Hold: 10/10 TYPE: MAAAAAA DET: P P P P P

Ref Offset 8.01 dB ΔMkr1 1.210 MHz
Ref 20.00 dBm -2.074 dB

10 dB/div Log

Start 2.440500 GHz Stop 2.442500 GHz
#Res BW 100 kHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2		f	(Δ) 1.210 MHz	(Δ) -2.074 dB			
2	F		f	2.440876 GHz	0.370 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Frequency

Auto Tune

Center Freq
2.441500000 GHz

Start Freq
2.440500000 GHz

Stop Freq
2.442500000 GHz

CF Step
200.000 kHz
Man

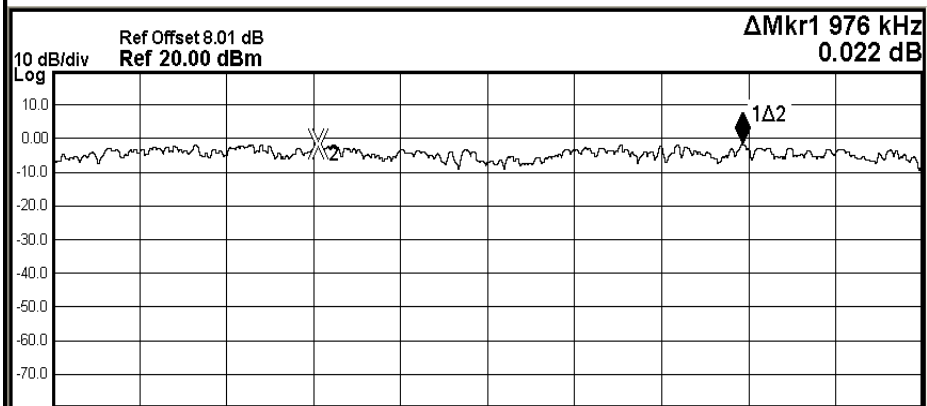
Freq Offset
0 Hz

Carrier Frequency Separation_8-DPSK_2480

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.479500000 GHz
 PNO: Wide → Trg: Free Run #Avg Type: RMS
 IFGain:Low #Atten: 30 dB AvgHold: 10/10

07:52:15 PM Dec 28, 2017
 TRACE 1 2 3 4 5 6
 TYPE M W W W W W W W
 DET P P P P P P



Start 2.478500 GHz Stop 2.480500 GHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	f	(Δ)	976 kHz (Δ)	0.022 dB			
2	F	f		2.479 110 GHz	-1.752 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
 2.479500000 GHz

Start Freq
 2.478500000 GHz

Stop Freq
 2.480500000 GHz

CF Step
 200.000 kHz
 Auto Man

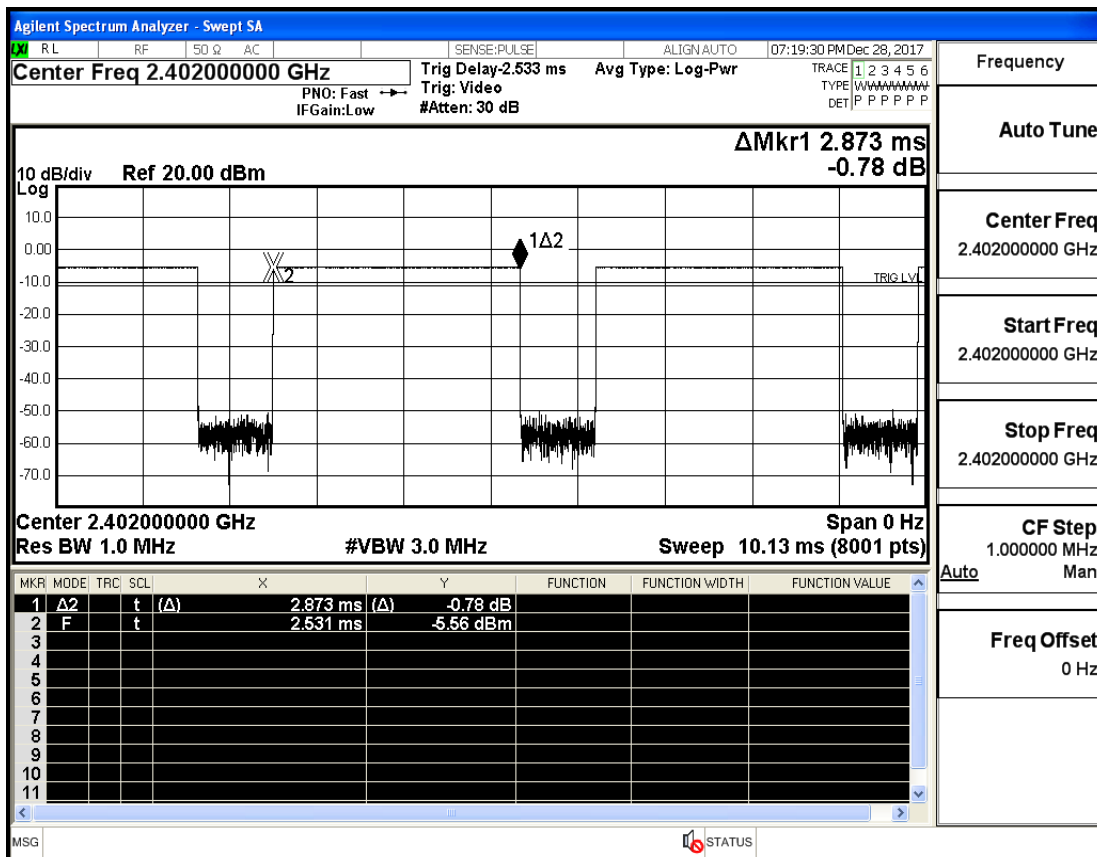
Freq Offset
 0 Hz

MSG STATUS

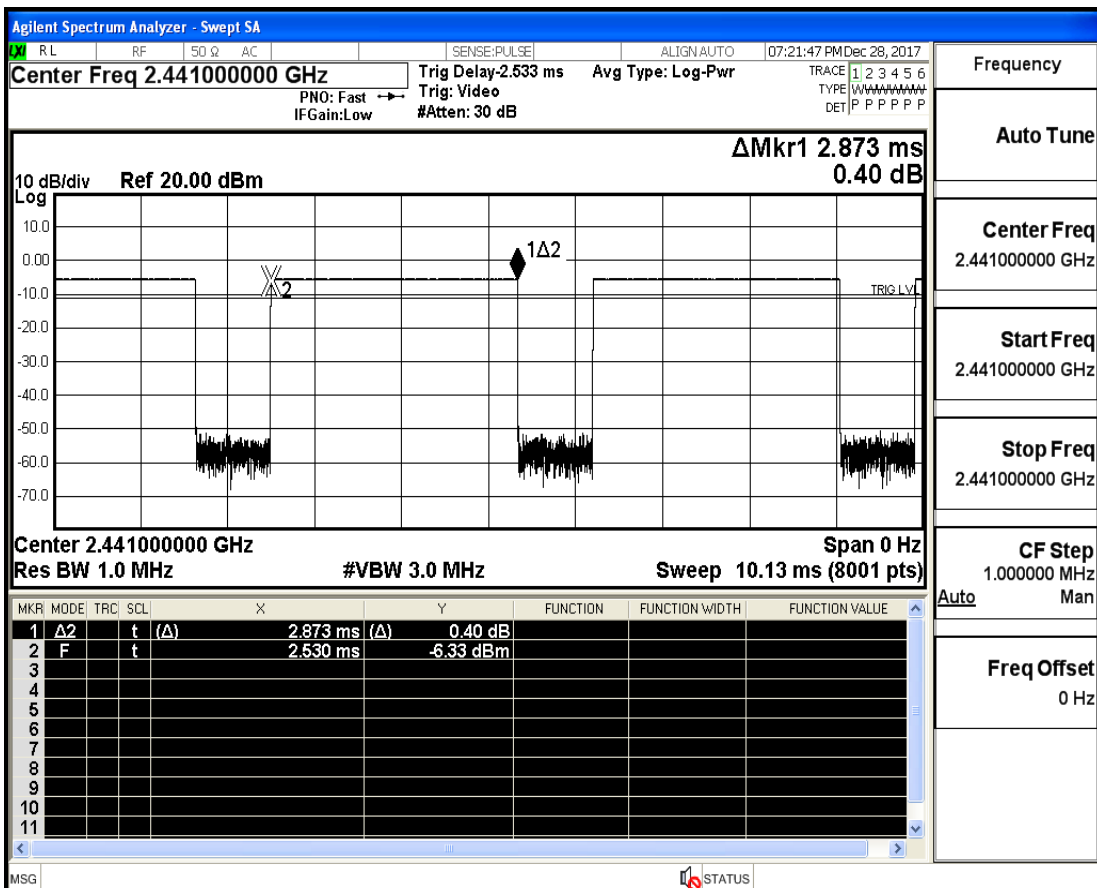
A.4 Dwell Time

Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
GFSK	2402	2.873	106.7	0.306	0.4	PASS
	2441	2.873	106.7	0.306	0.4	PASS
	2480	2.874	106.7	0.306	0.4	PASS
$\pi/4$ -DQPSK	2402	2.877	106.7	0.307	0.4	PASS
	2441	2.877	106.7	0.307	0.4	PASS
	2480	2.877	106.7	0.307	0.4	PASS
8-DPSK	2402	2.878	106.7	0.307	0.4	PASS
	2441	2.879	106.7	0.307	0.4	PASS
	2480	2.879	106.7	0.307	0.4	PASS

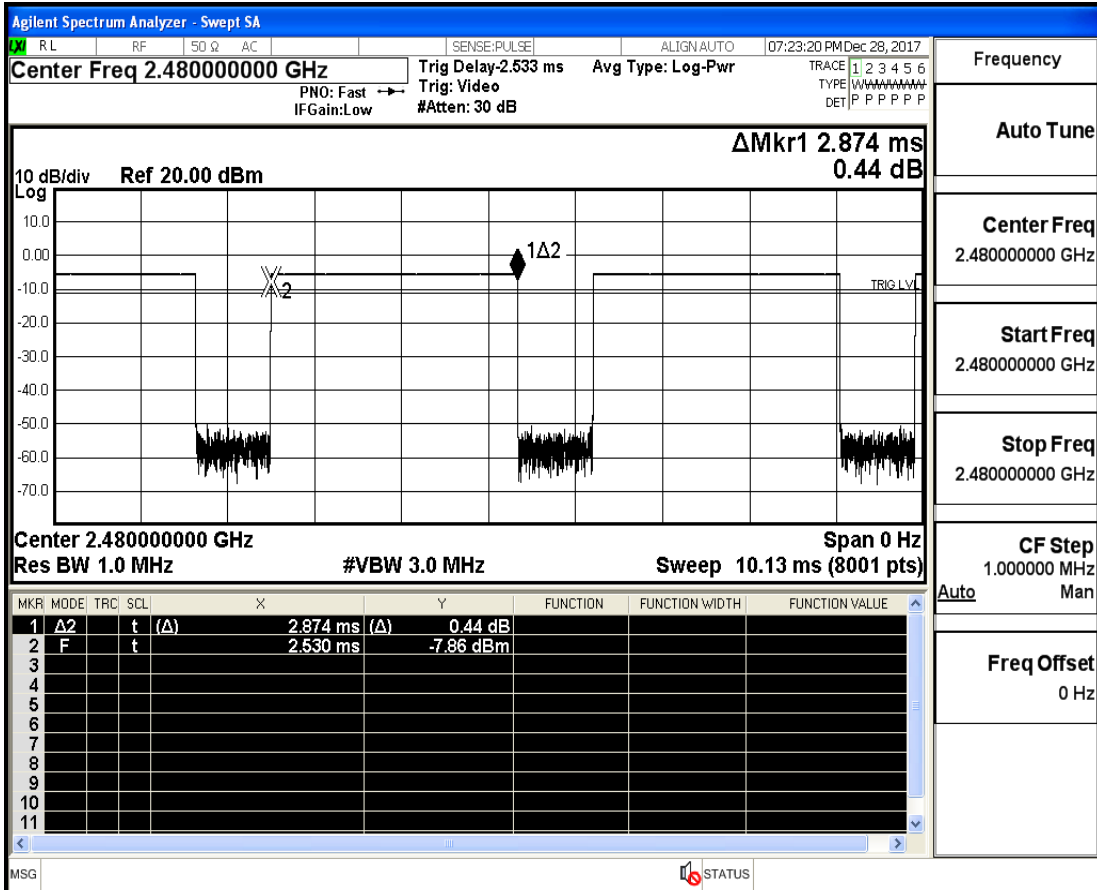
Dwell Time_GFSK_2402



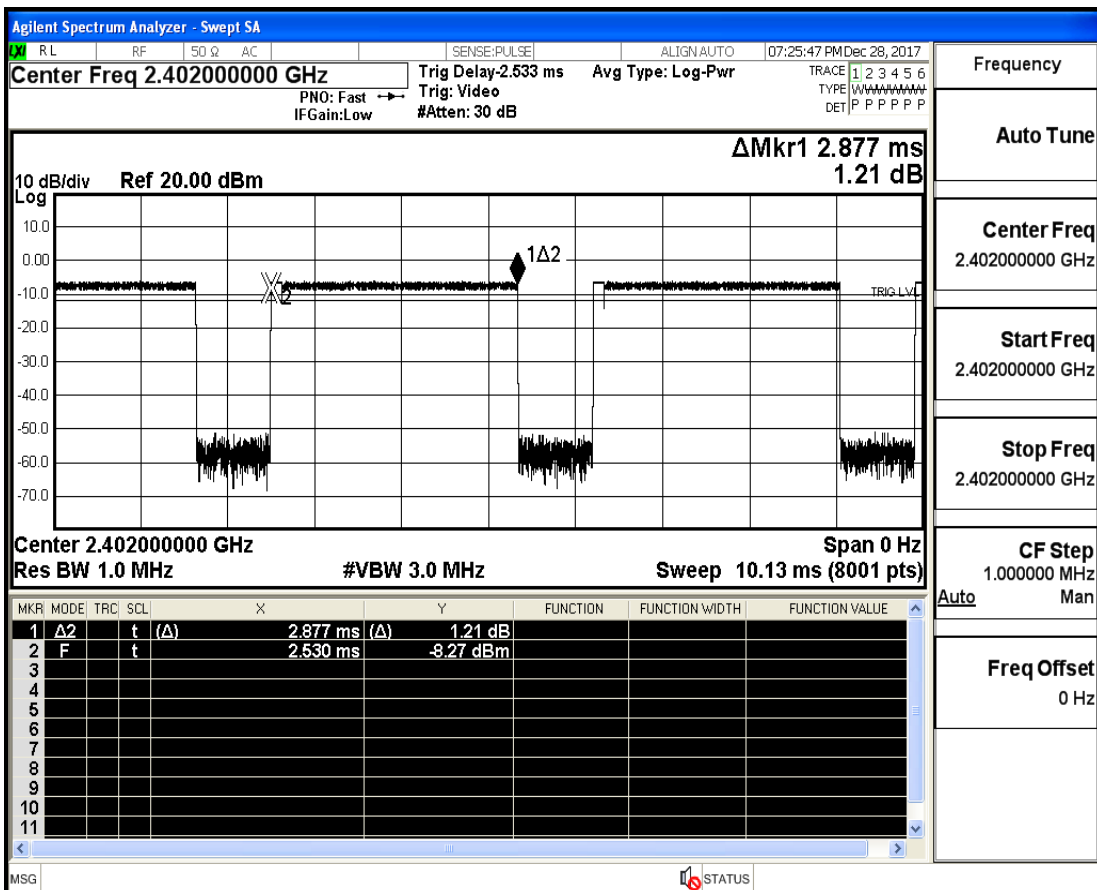
Dwell Time_GFSK_2441



Dwell Time_GFSK_2480



Dwell Time_π/4-DQPSK_2402



Agilent Spectrum Analyzer - Swept SA

R/L

RF

50 Ω

AC

SENSE:PULSE

ALIGN:AUTO

07:32:14 PM Dec 28, 2017

Center Freq 2.40200000 GHz

Trig Delay: 2.533 ms

Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P P P P P P

PNO: Fast →
IF Gain: Low

Trig: Video
#Atten: 30 dB

Frequency

Auto Tune

Center Freq
2.402000000 GHz

Start Freq
2.402000000 GHz

Stop Freq
2.402000000 GHz

CF Step
1.000000 MHz

AutoMan

Freq Offset
0 Hz

10 dB/div Ref 20.00 dBm

ΔMkr1 2.878 ms
-0.68 dB

Center 2.402000000 GHz Span 0 Hz
Res BW 1.0 MHz #VBW 3.0 MHz Sweep 10.13 ms (8001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	t	(Δ)	2.878 ms (Δ)	-0.68 dB			
2	F	t		105.1 μs	-6.84 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Dwell Time_8-DPSK_2441

Agilent Spectrum Analyzer - Swept SA

R/L

RF

50 Ω

AC

SENSE:PULSE

ALIGN:AUTO

07:34:33 PM Dec 28, 2017

Center Freq 2.441000000 GHz

Trig Delay: 2.533 ms

Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6
TYPE W W W W W W W W
DET P P P P P P

PNO: Fast →
IF Gain: Low

Trig: Video
#Atten: 30 dB

Frequency

Auto Tune

Center Freq
2.441000000 GHz

Start Freq
2.441000000 GHz

Stop Freq
2.441000000 GHz

CF Step
1.000000 MHz

AutoMan

Freq Offset
0 Hz

10 dB/div Ref 20.00 dBm

ΔMkr1 2.879 ms
-0.26 dB

Center 2.441000000 GHz Span 0 Hz
Res BW 1.0 MHz #VBW 3.0 MHz Sweep 10.13 ms (8001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	t	(Δ)	2.879 ms (Δ)	-0.26 dB			
2	F	t		2.142 ms	-8.08 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

Dwell Time_8-DPSK_2441

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Trig Delay: 2.533 ms **Avg Type: Log-Pwr**

Trig: Video **#Atten: 30 dB**

ΔMkr1 2.879 ms **-0.26 dB**

10 dB/div **Ref 20.00 dBm**

Center 2.441000000 GHz **Span 0 Hz**

Res BW 1.0 MHz **#VBW 3.0 MHz** **Sweep 10.13 ms (8001 pts)**

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	t	(Δ)	2.879 ms	(Δ)	-0.26 dB		
2	F	t		2.142 ms	-8.08 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.441000000 GHz

Start Freq
2.441000000 GHz

Stop Freq
2.441000000 GHz

CF Step
1.000000 MHz

Auto **Man**

Freq Offset
0 Hz

MSG STATUS

Dwell Time_8-DPSK_2480

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.48000000 GHz

Trig Delay: 2.533 ms **Avg Type: Log-Pwr**

Trig: Video **#Atten: 30 dB**

Ref 20.00 dBm **ΔMkr1 2.879 ms -2.51 dB**

Center 2.48000000 GHz **Span 0 Hz**

Res BW 1.0 MHz **#VBW 3.0 MHz** **Sweep 10.13 ms (8001 pts)**

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	t	(Δ)	2.879 ms	(Δ) -2.51 dB			
2	F	t		245.7 μs	-7.10 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.480000000 GHz

Start Freq
2.480000000 GHz

Stop Freq
2.480000000 GHz

CF Step
1.0000000 MHz

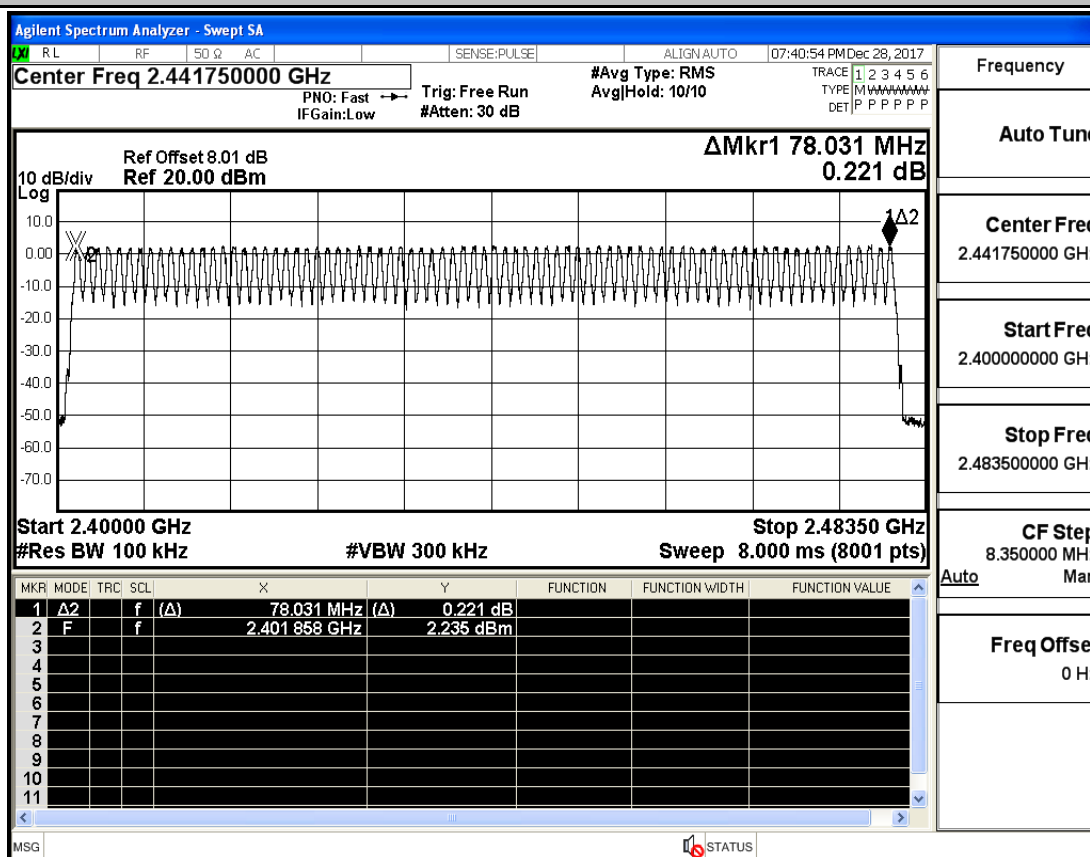
Freq Offset
0 Hz

MSG **STATUS**

A.5 Hopping Channel Number

Test Mode	Test Channel	Number of Hopping Channel[N]	Limit[N]	Verdict
GFSK	2402	79	≥ 15	PASS
$\pi/4$ -DQPSK	2402	79	≥ 15	PASS
8-DPSK	2402	79	≥ 15	PASS

Hopping Channel Number_GFSK_2402



Frequency

Auto Tune

Center Freq
2.441750000 GHz

Start Freq
2.400000000 GHz

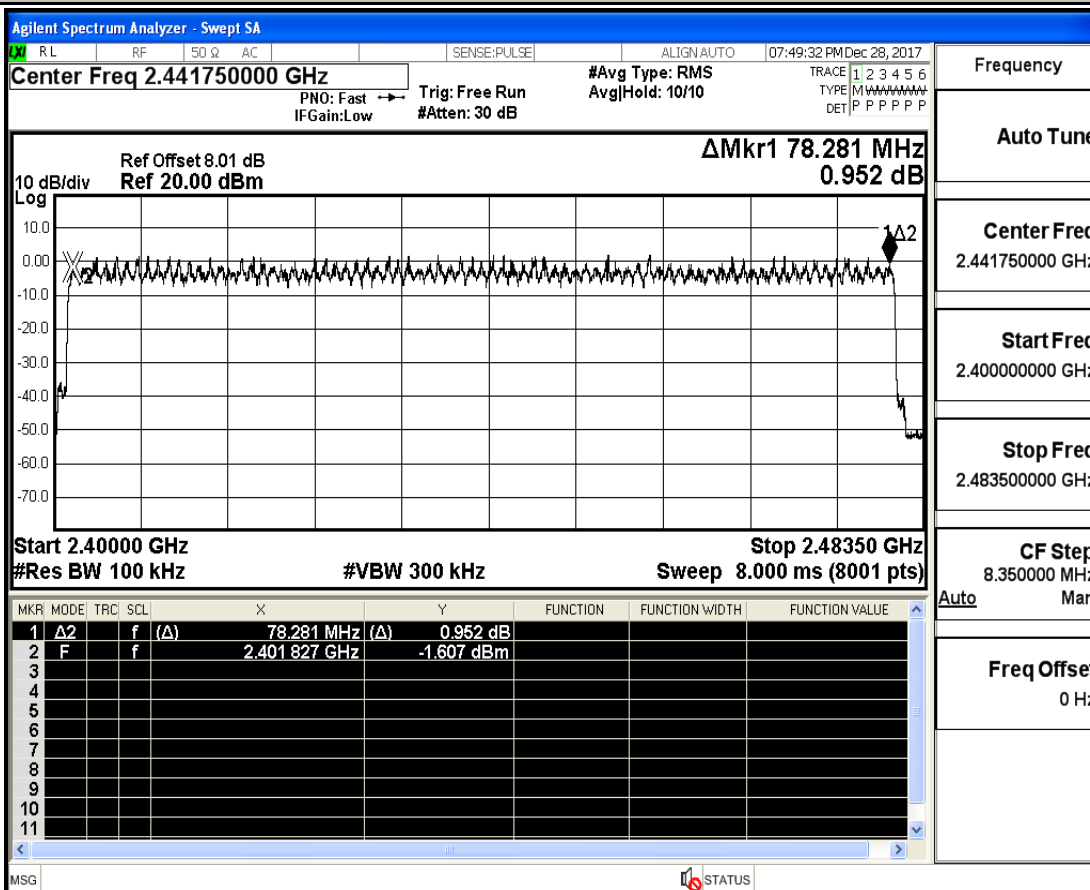
Stop Freq
2.483500000 GHz

CF Step
8.350000 MHz
Man

Auto

Freq Offset
0 Hz

Hopping Channel Number_π/4-DQPSK_2402



Frequency

Auto Tune

Center Freq
2.441750000 GHz

Start Freq
2.400000000 GHz

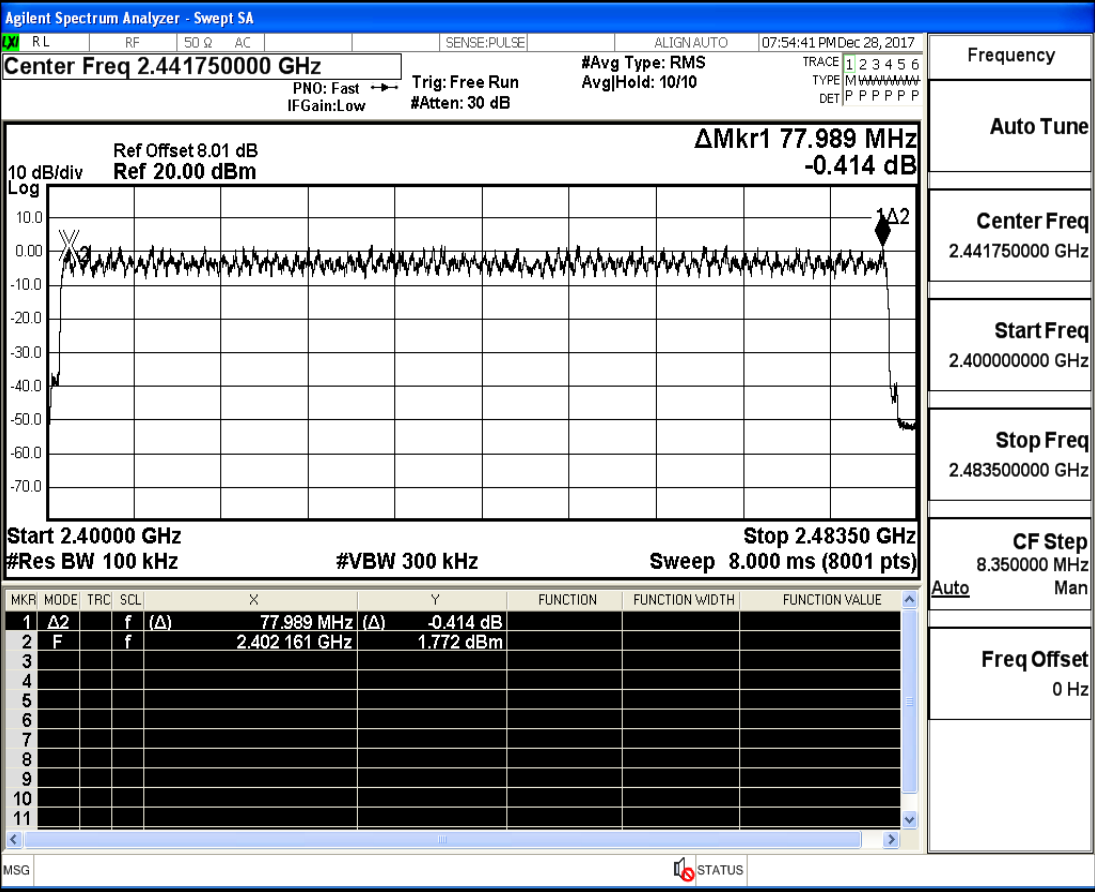
Stop Freq
2.483500000 GHz

CF Step
8.350000 MHz
Man

Auto

Freq Offset
0 Hz

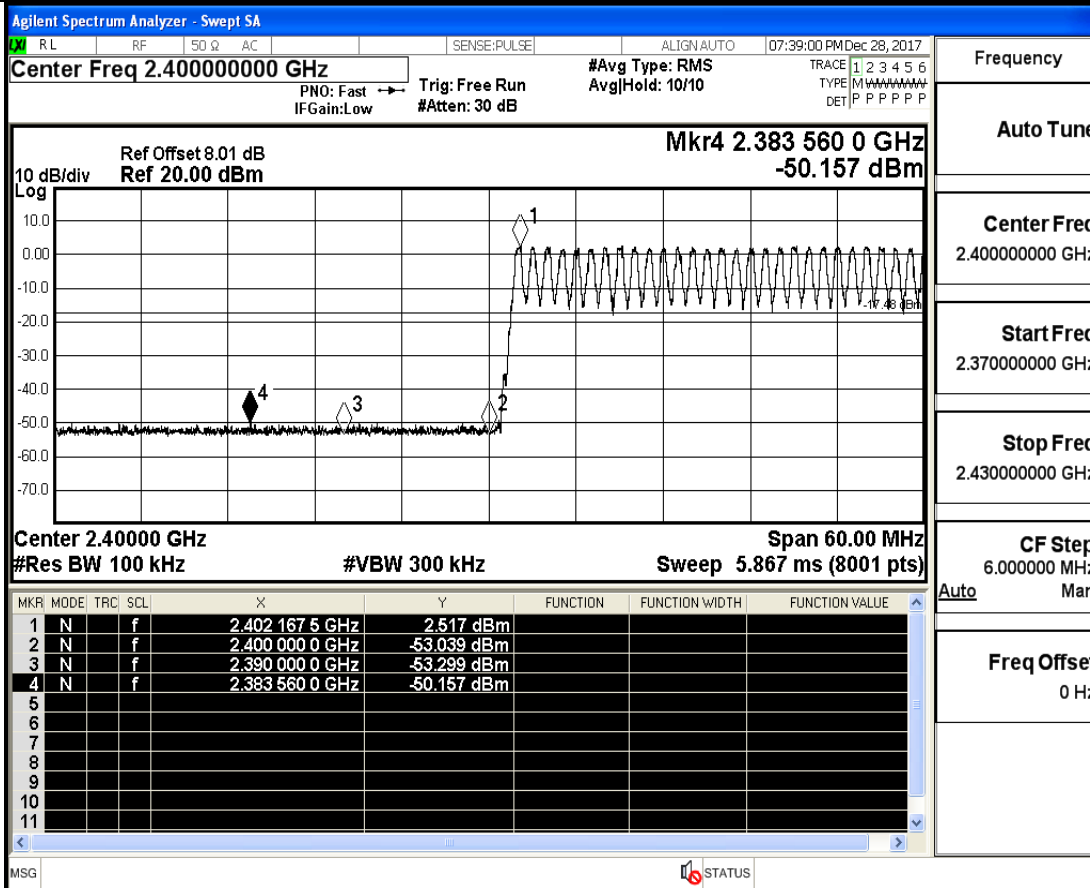
Hopping Channel Number_8-DPSK_2402



A.6 Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
GFSK	2402	On	2.517	-50.157	-17.48	PASS
	2402	Off	2.127	-50.247	-17.87	PASS
	2480	On	2.659	-50.073	-17.34	PASS
	2480	Off	2.641	-50.050	-17.36	PASS
$\pi/4$ -DQPSK	2402	On	1.643	-49.384	-18.36	PASS
	2402	Off	0.933	-49.992	-19.07	PASS
	2480	On	1.613	-49.023	-18.39	PASS
	2480	Off	1.117	-49.011	-18.88	PASS
8-DPSK	2402	On	1.615	-49.244	-18.39	PASS
	2402	Off	1.652	-49.432	-18.35	PASS
	2480	On	1.755	-49.016	-18.25	PASS
	2480	Off	1.757	-48.970	-18.24	PASS

Band-edge for RF Conducted Emissions_GFSK_2402_Hopping On



Frequency

Auto Tune

Center Freq
2.40000000 GHz

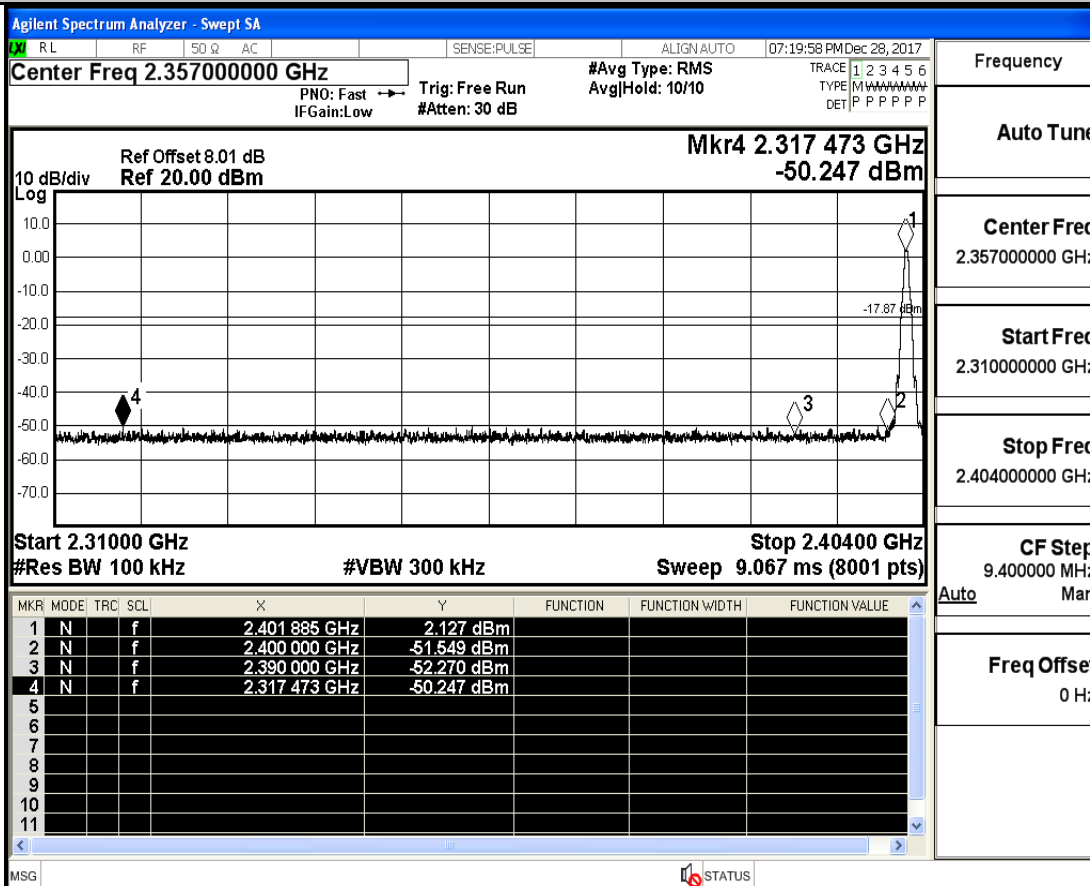
Start Freq
2.37000000 GHz

Stop Freq
2.43000000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_GFSK_2402_Hopping Off



Frequency

Auto Tune

Center Freq
2.35700000 GHz

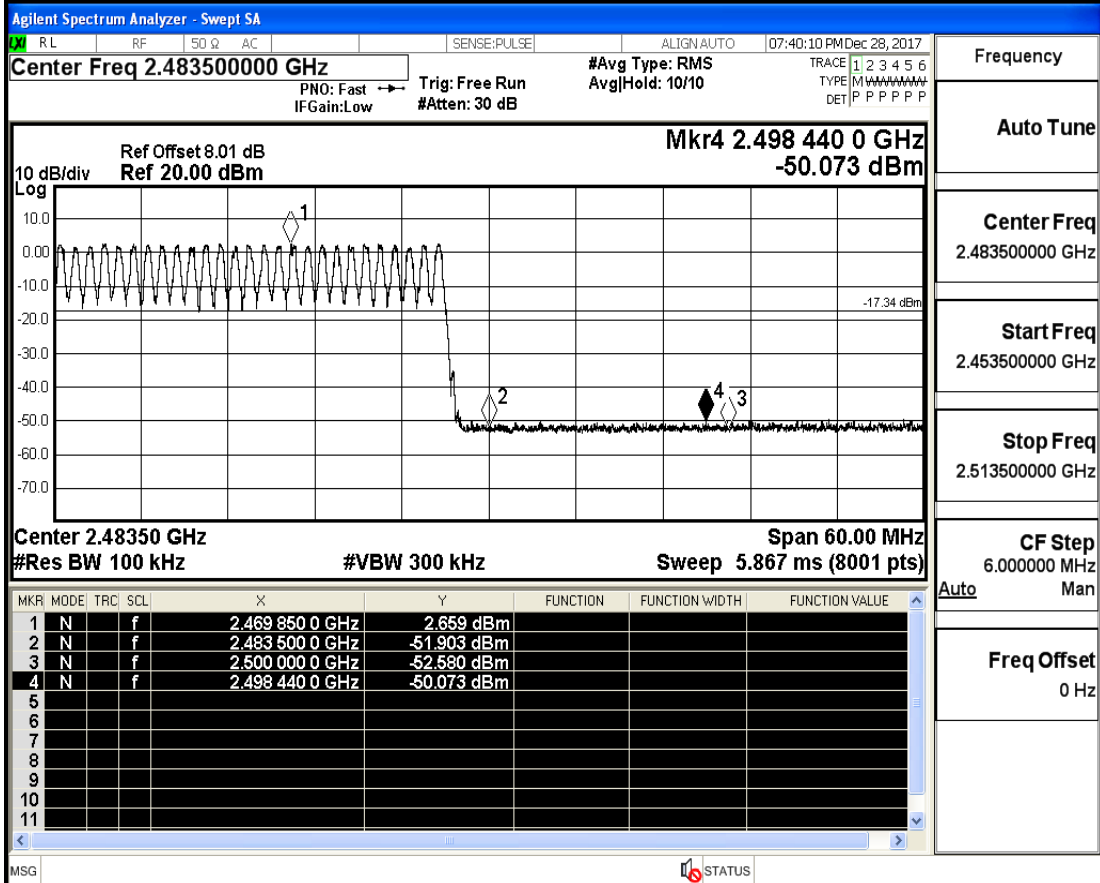
Start Freq
2.31000000 GHz

Stop Freq
2.40400000 GHz

CF Step
9.400000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_GFSK_2480_Hopping On



Frequency

Auto Tune

Center Freq
2.483500000 GHz

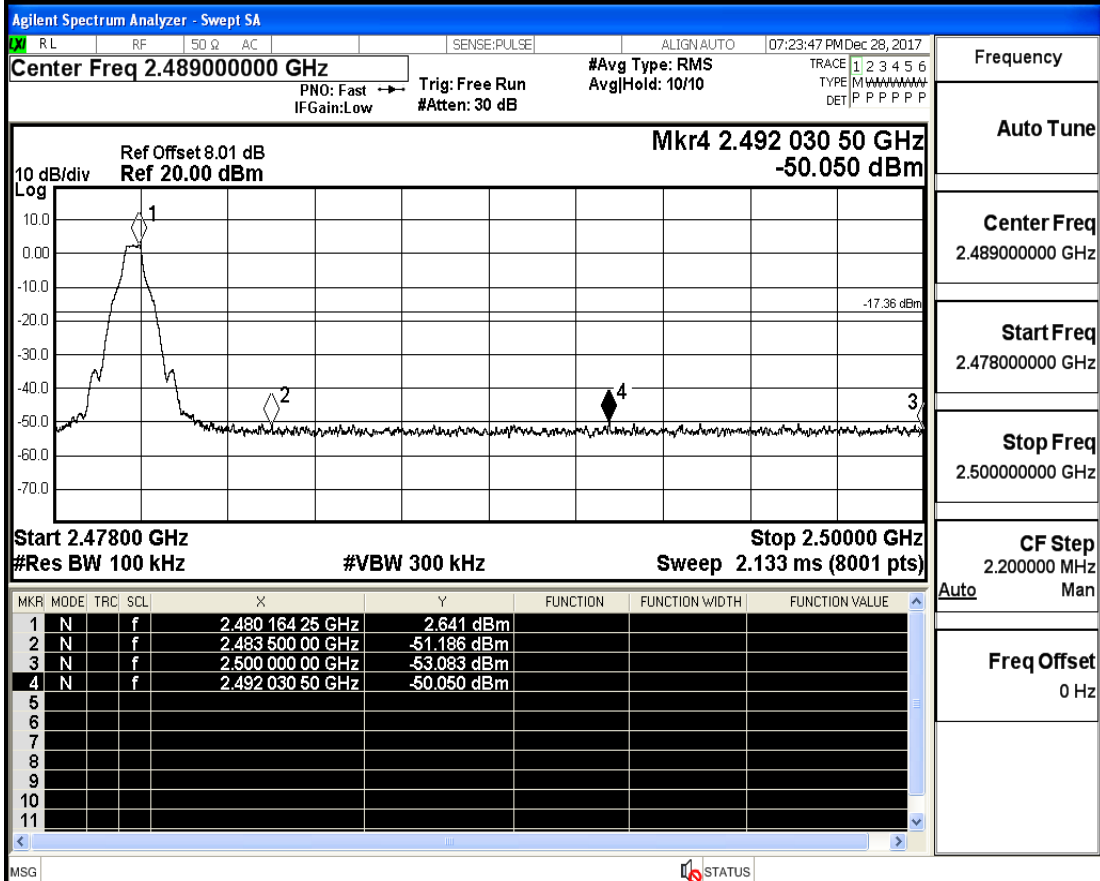
Start Freq
2.453500000 GHz

Stop Freq
2.513500000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_GFSK_2480_Hopping Off



Frequency

Auto Tune

Center Freq
2.489000000 GHz

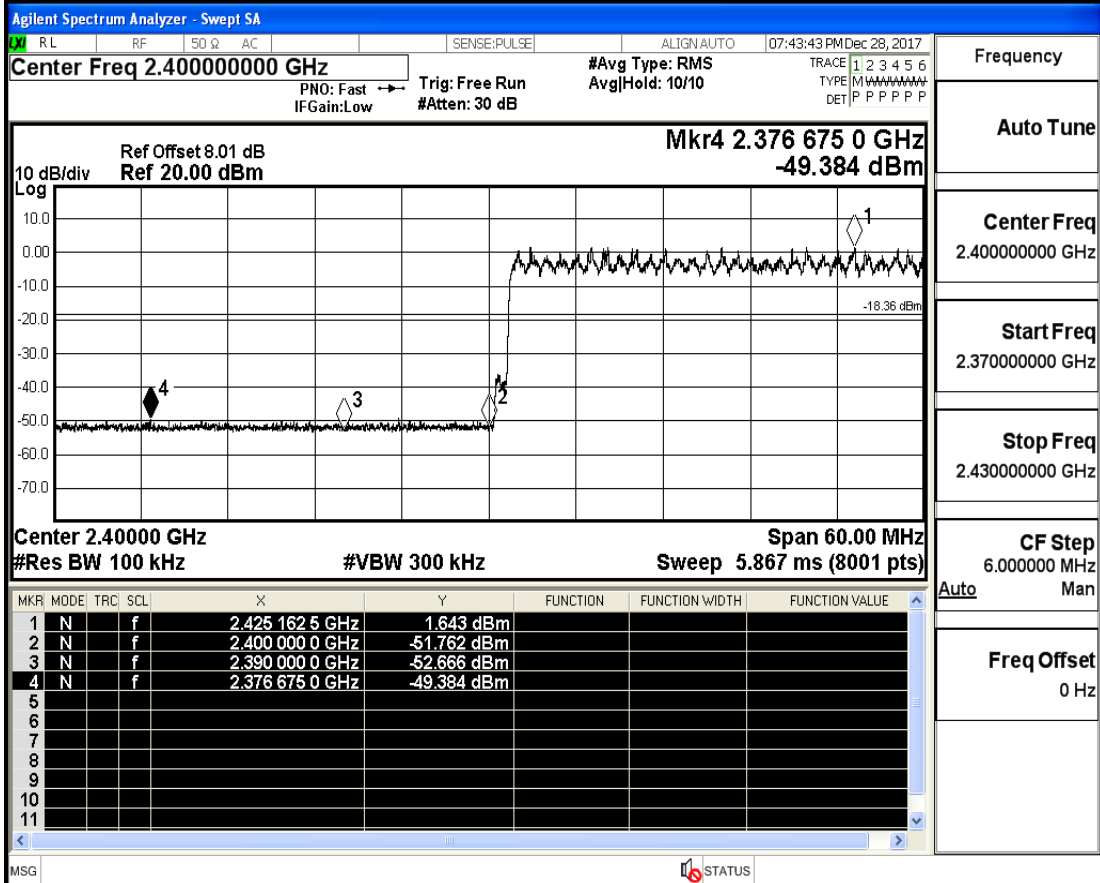
Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

CF Step
2.200000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_π/4-DQPSK_2402_Hopping On



Frequency

Auto Tune

Center Freq
2.40000000 GHz

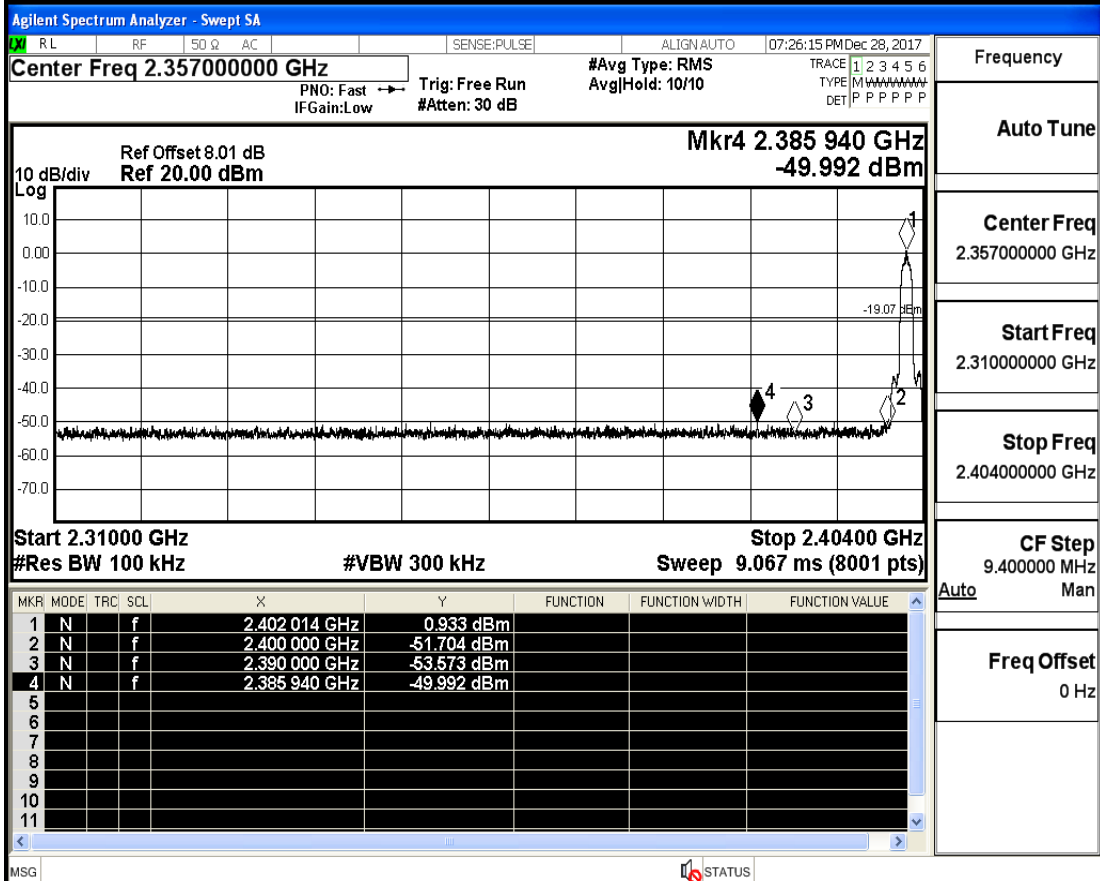
Start Freq
2.37000000 GHz

Stop Freq
2.43000000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_π/4-DQPSK_2402_Hopping Off



Frequency

Auto Tune

Center Freq
2.35700000 GHz

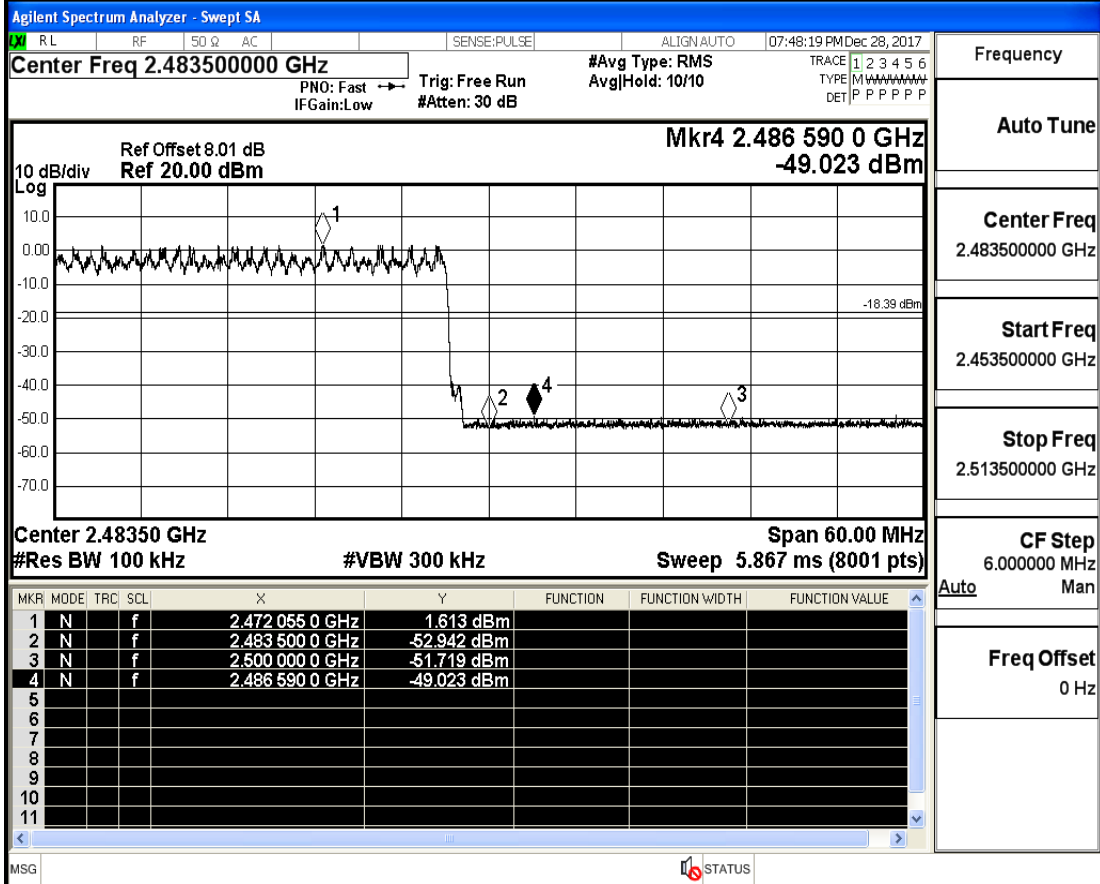
Start Freq
2.31000000 GHz

Stop Freq
2.40400000 GHz

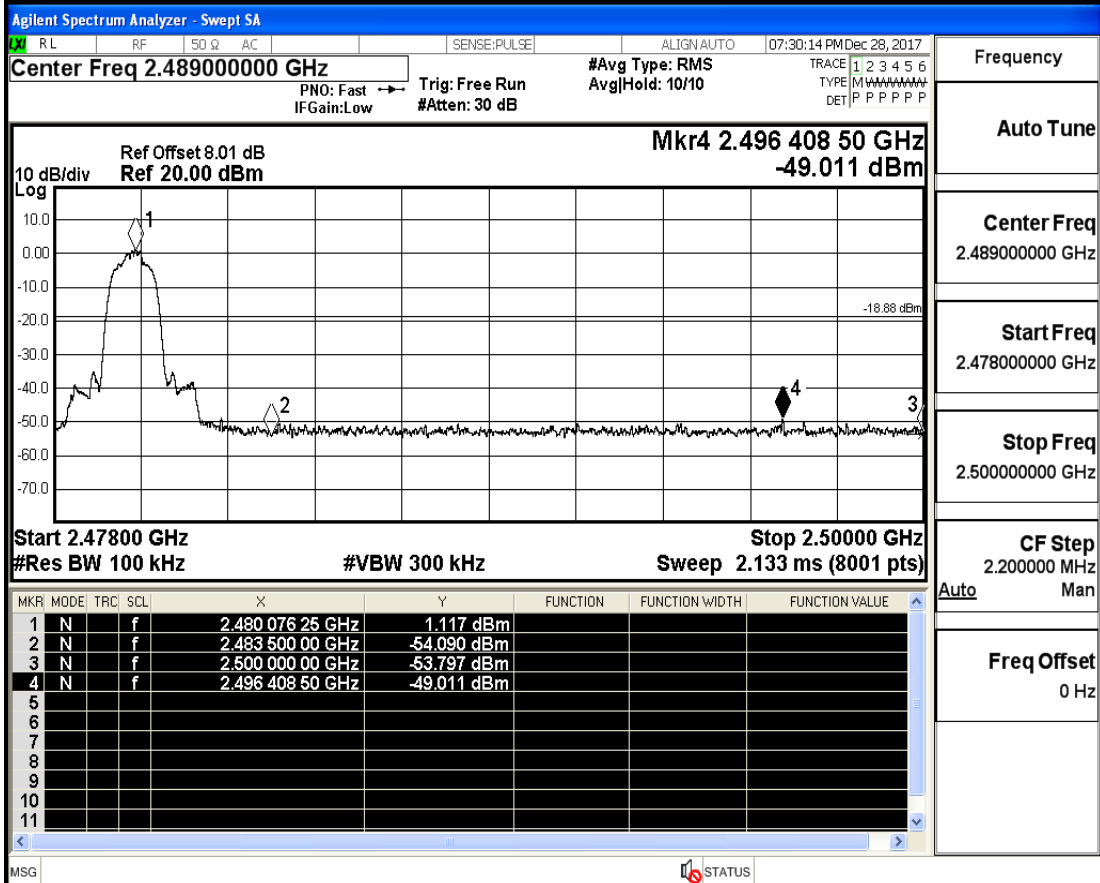
CF Step
9.400000 MHz
Auto Man

Freq Offset
0 Hz

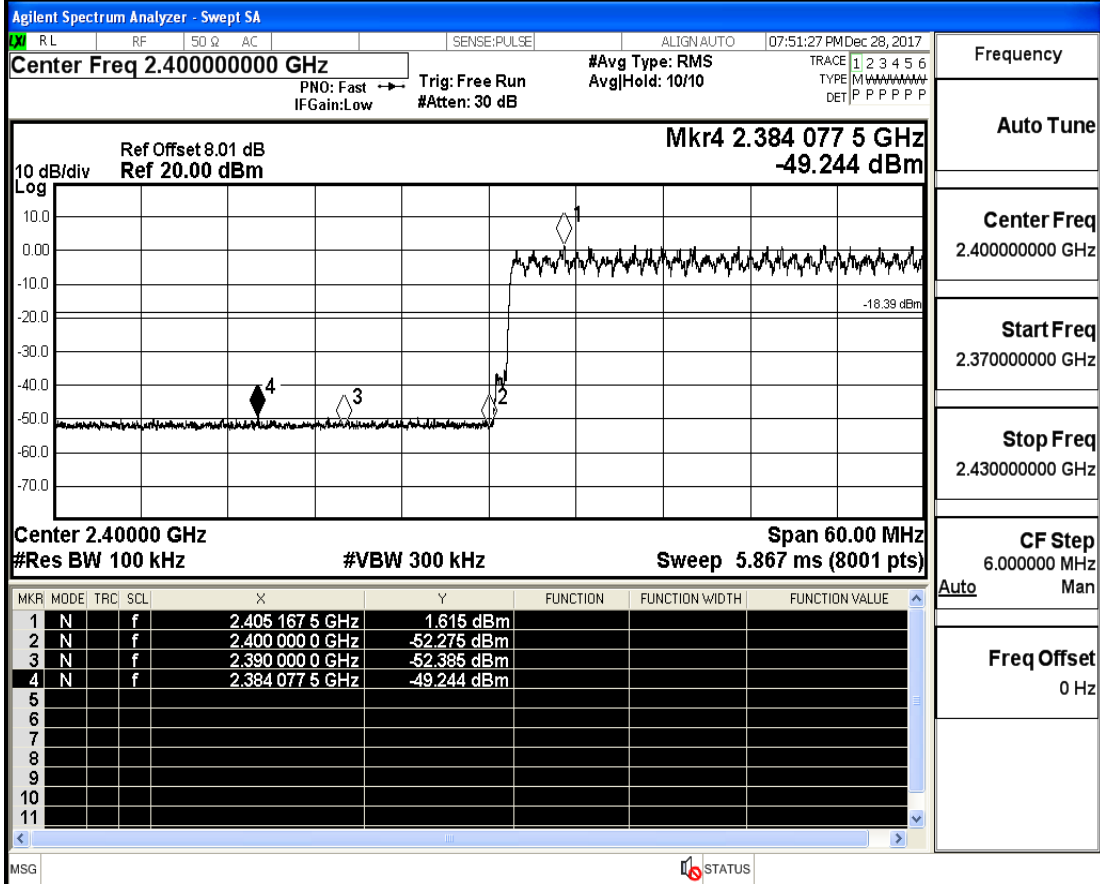
Band-edge for RF Conducted Emissions_π/4-DQPSK_2480_Hopping On



Band-edge for RF Conducted Emissions_π/4-DQPSK_2480_Hopping Off



Band-edge for RF Conducted Emissions_8-DPSK_2402_Hopping On



Frequency

Auto Tune

Center Freq
2.40000000 GHz

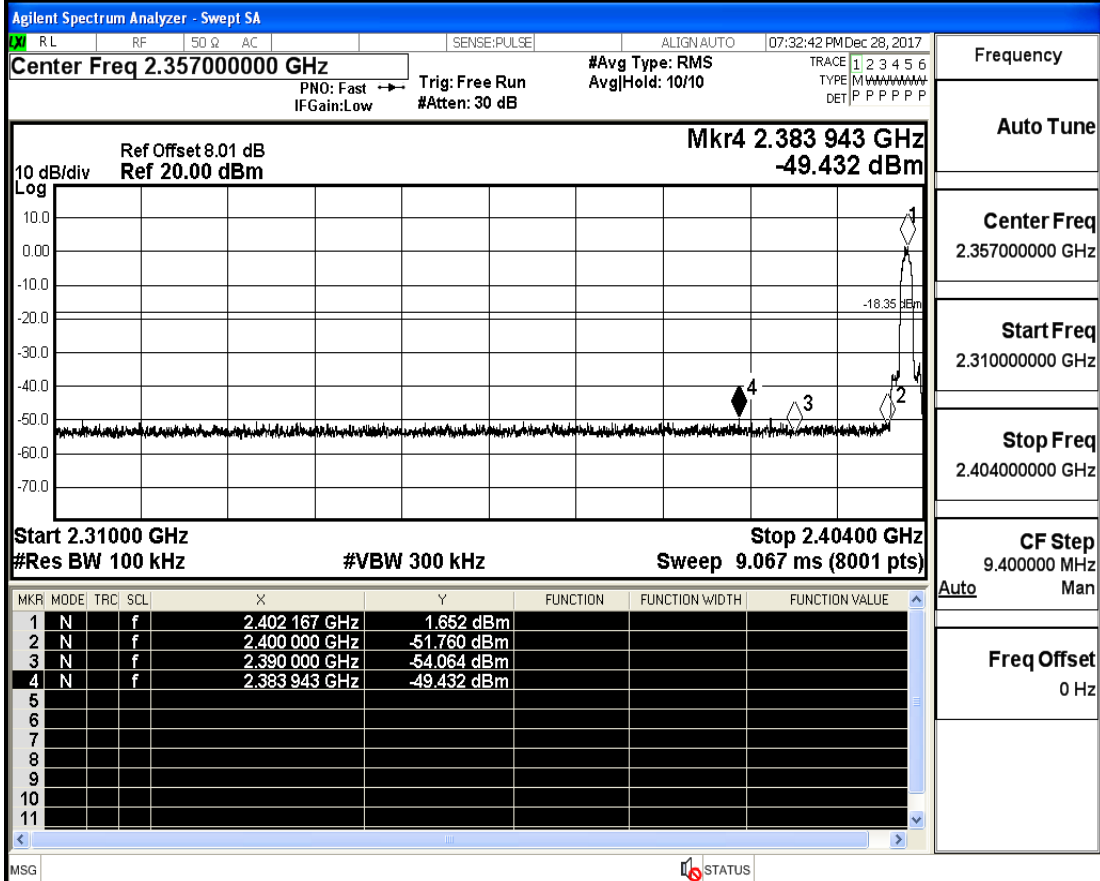
Start Freq
2.37000000 GHz

Stop Freq
2.43000000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_8-DPSK_2402_Hopping Off



Frequency

Auto Tune

Center Freq
2.35700000 GHz

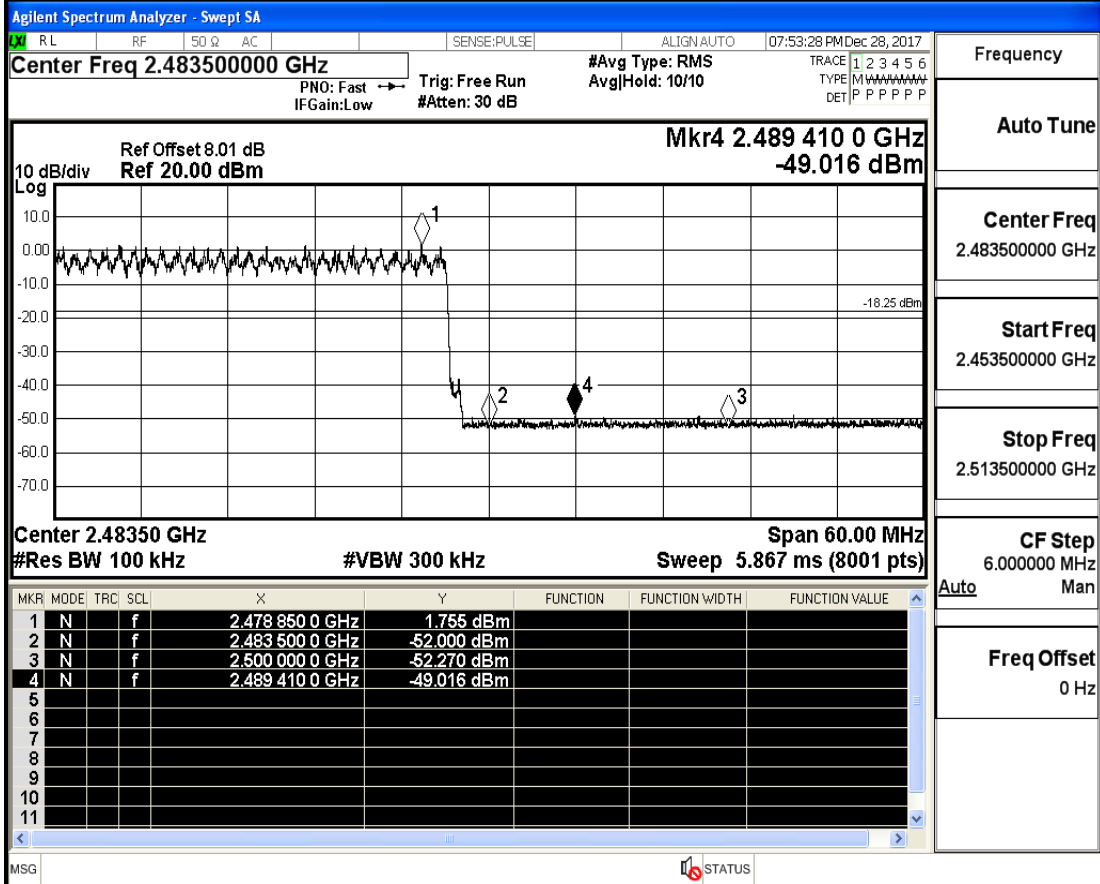
Start Freq
2.31000000 GHz

Stop Freq
2.40400000 GHz

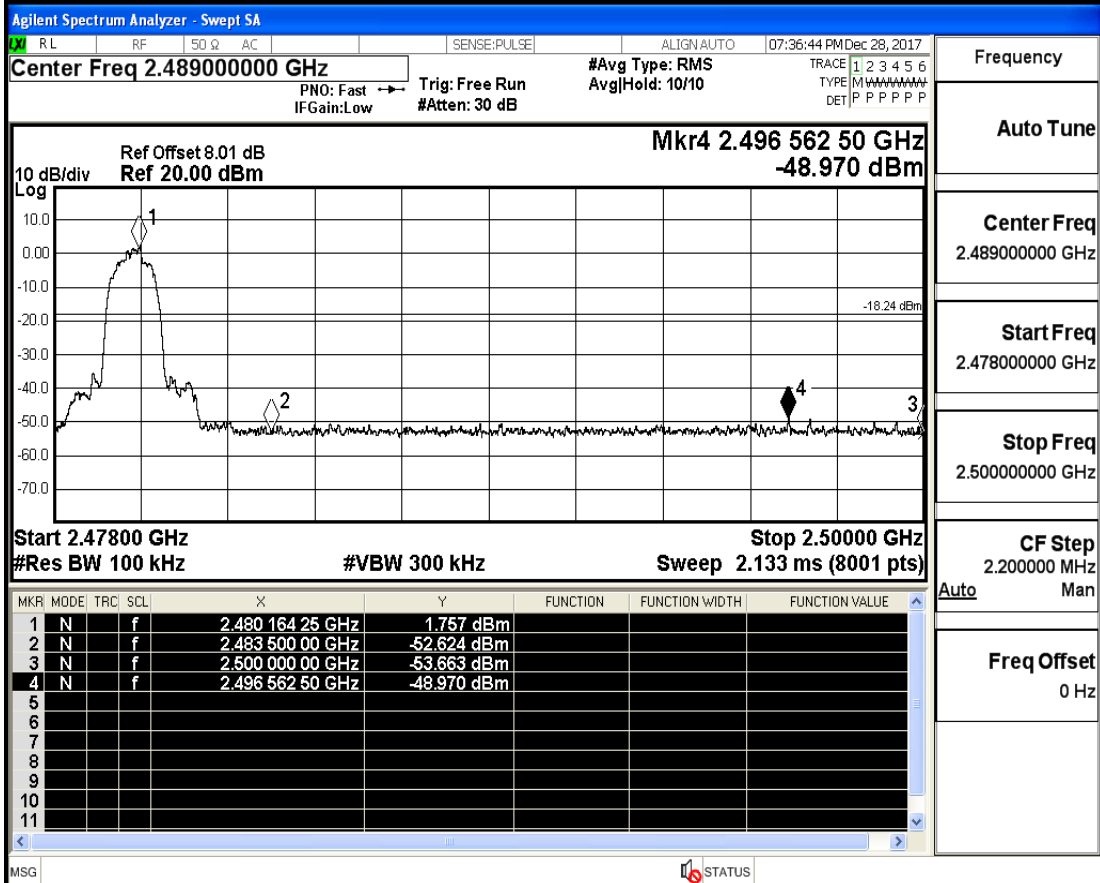
CF Step
9.400000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_8-DPSK_2480_Hopping On



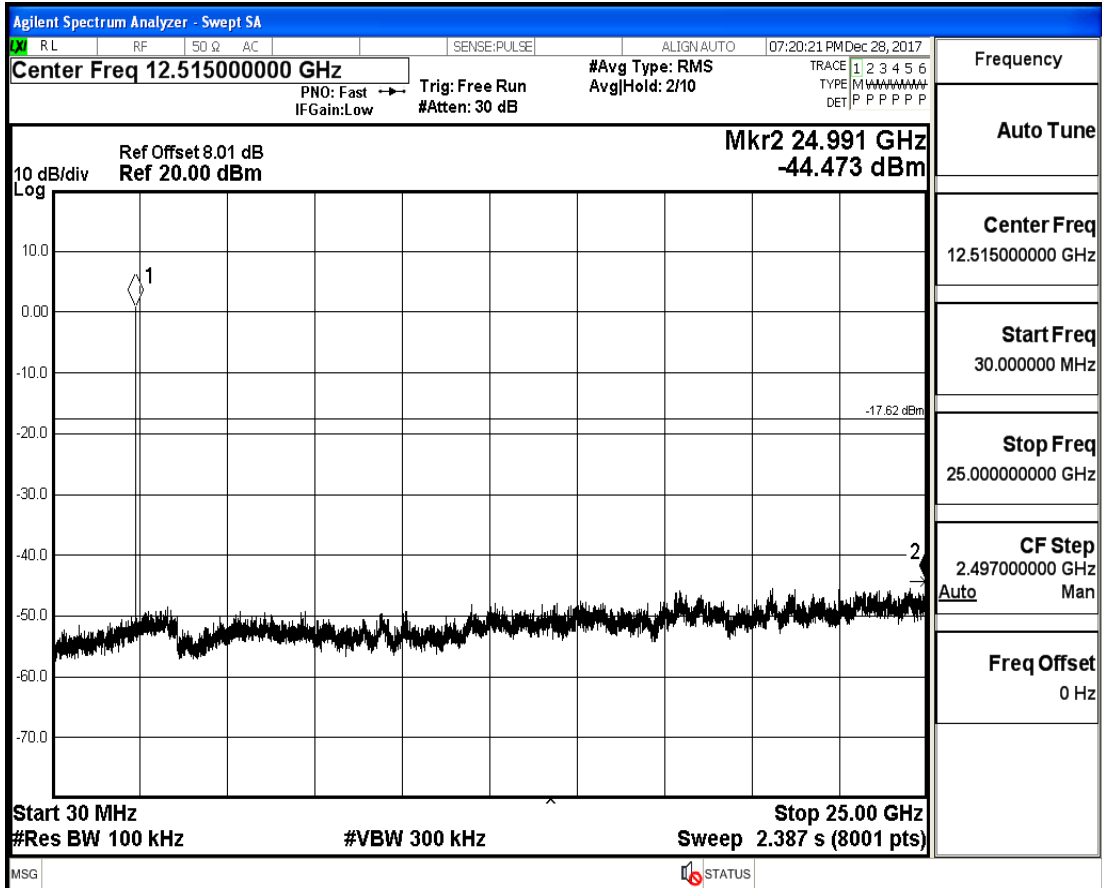
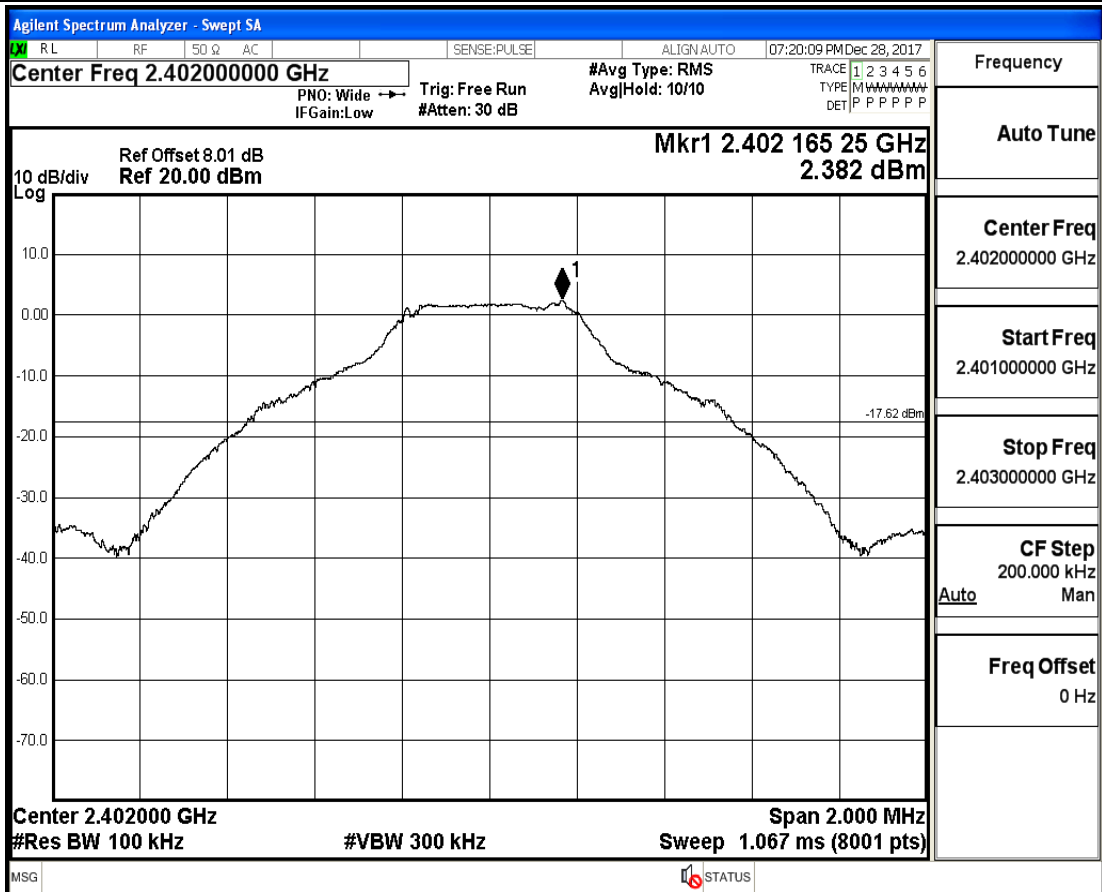
Band-edge for RF Conducted Emissions_8-DPSK_2480_Hopping Off



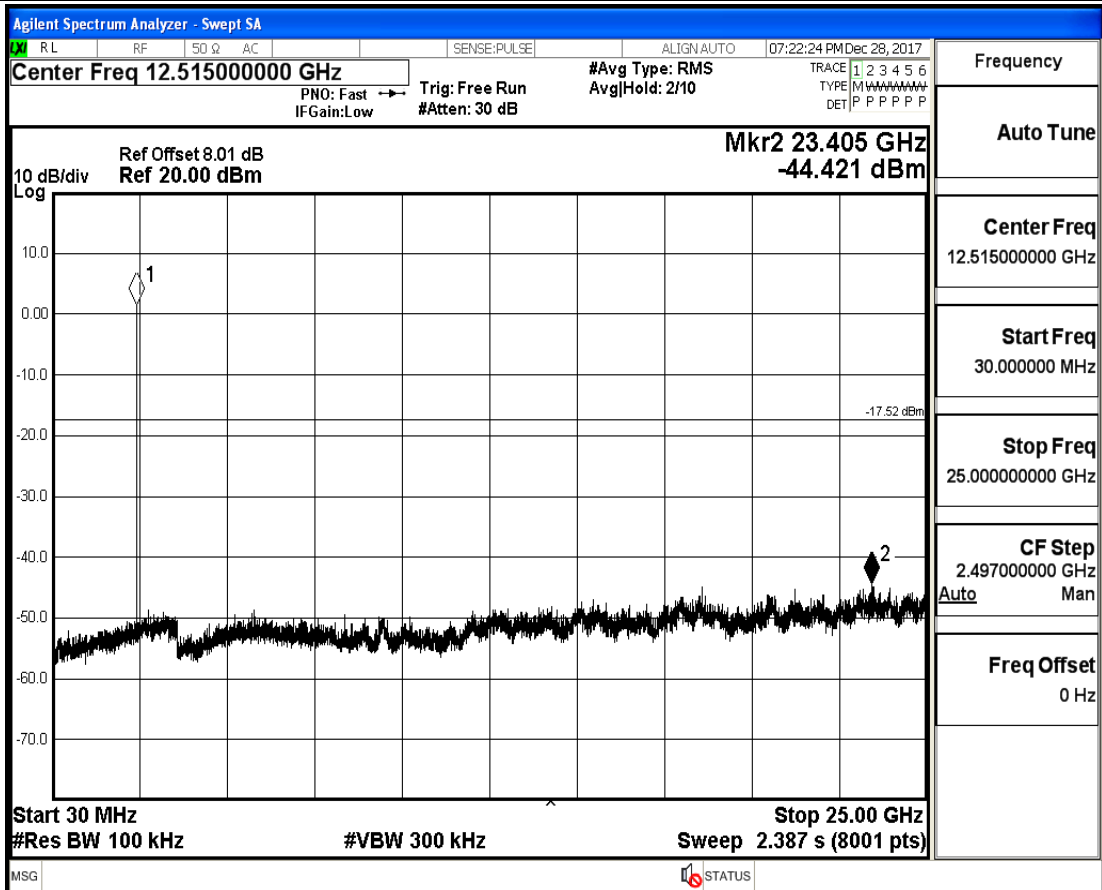
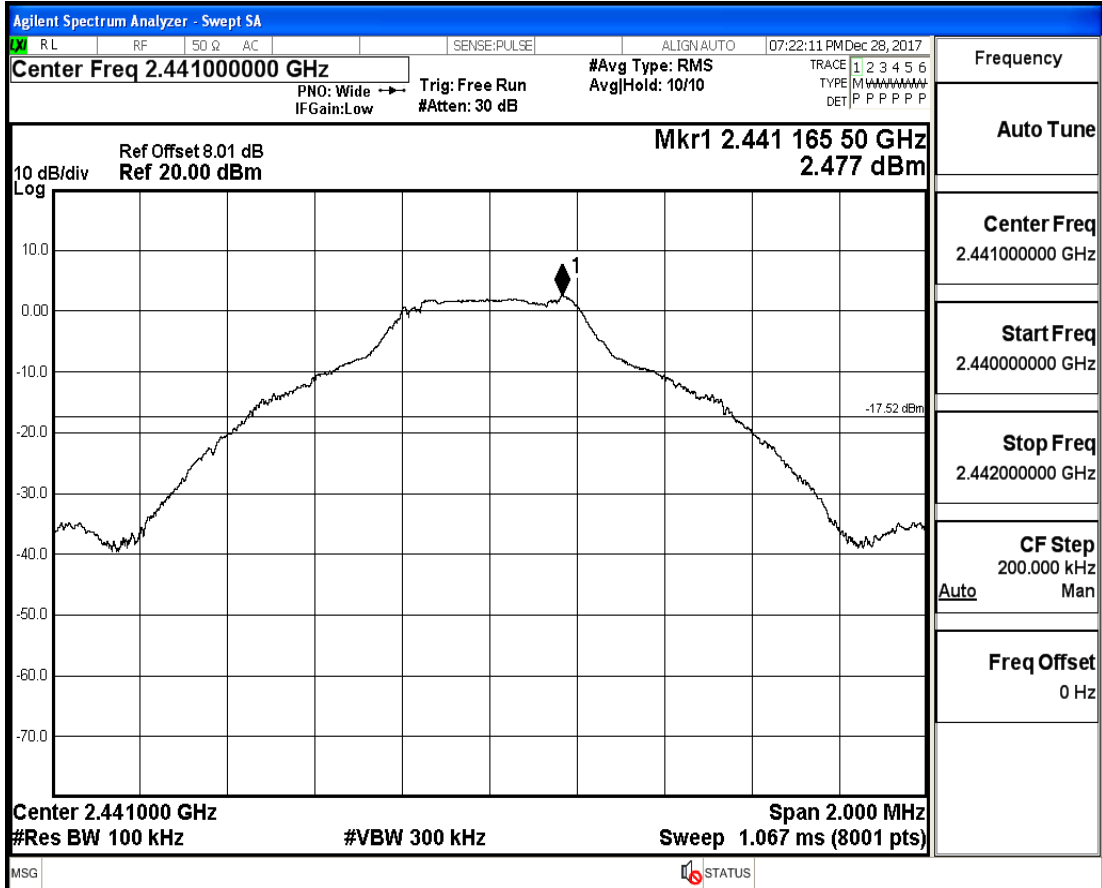
A.7 RF Conducted Spurious Emissions

Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
GFSK	2402	30	25000	100	300	2.382	-44.473	<- 17.618	PASS
	2441	30	25000	100	300	2.477	-44.421	<- 17.523	PASS
	2480	30	25000	100	300	2.567	-45.031	<- 17.433	PASS
$\pi/4$ -DQPSK	2402	30	25000	100	300	1.497	-44.261	<- 18.503	PASS
	2441	30	25000	100	300	0.98	-45.016	<-19.02	PASS
	2480	30	25000	100	300	1.587	-43.900	<- 18.413	PASS
8-DPSK	2402	30	25000	100	300	1.569	-44.288	<- 18.431	PASS
	2441	30	25000	100	300	1.586	-45.158	<- 18.414	PASS
	2480	30	25000	100	300	1.631	-44.970	<- 18.369	PASS

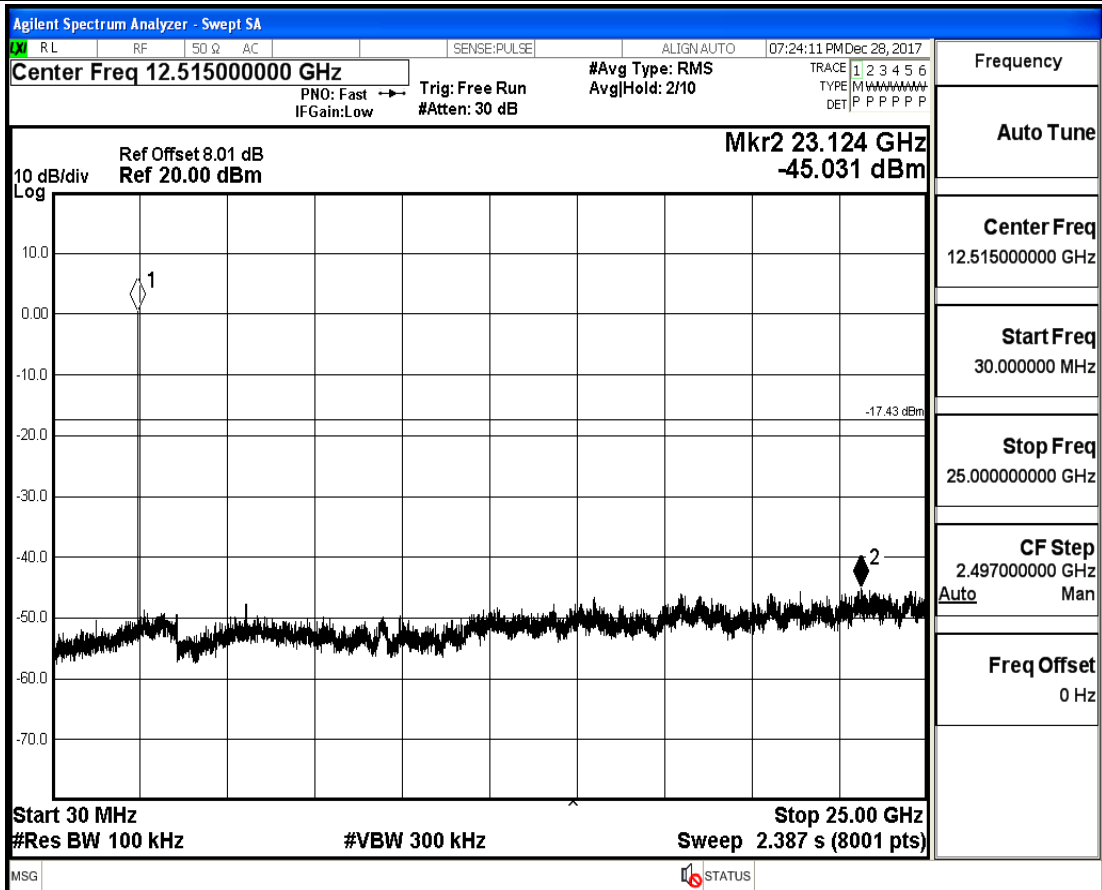
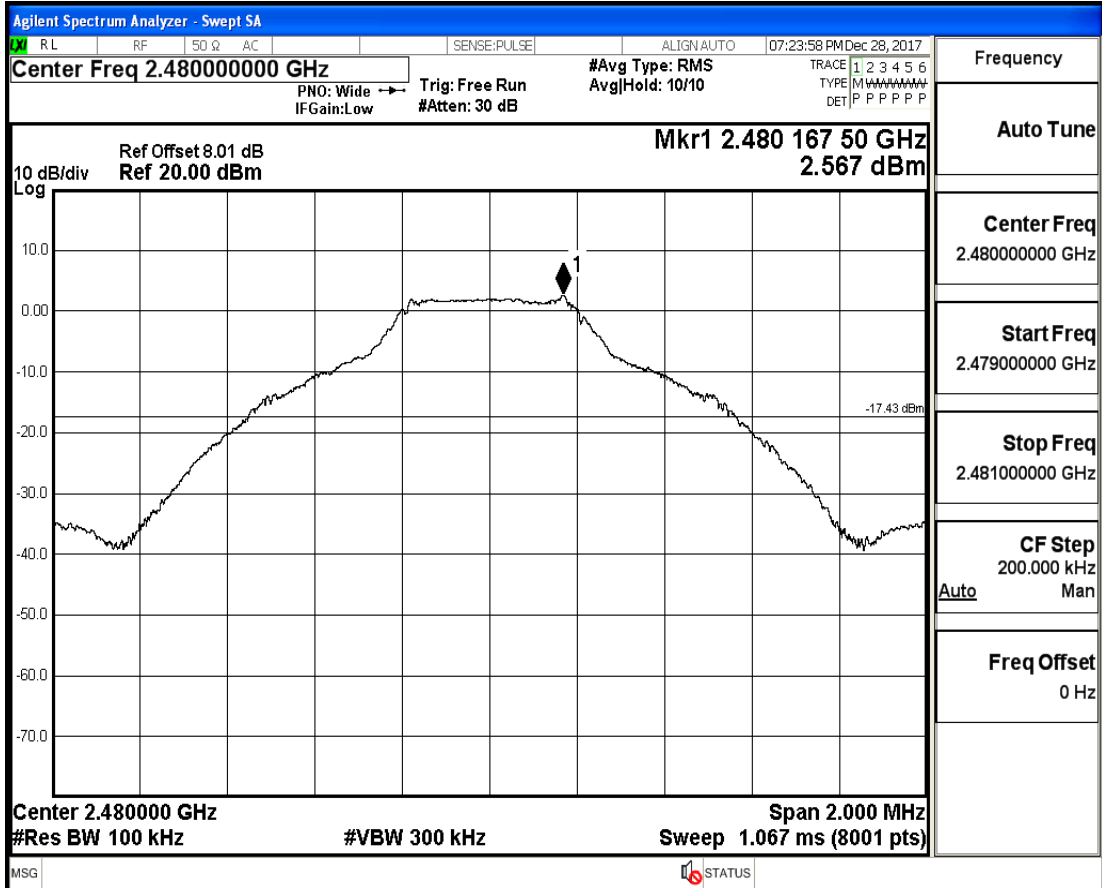
RF Conducted Spurious Emissions_GFSK_2402



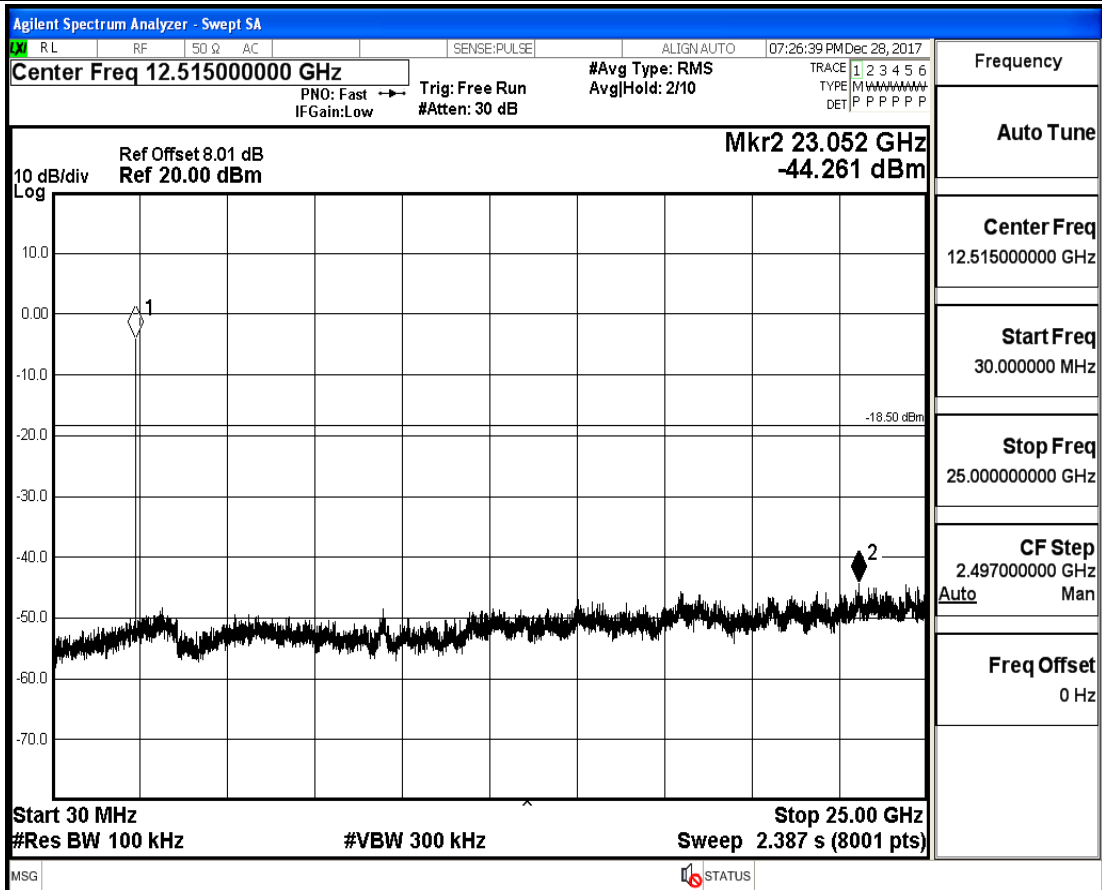
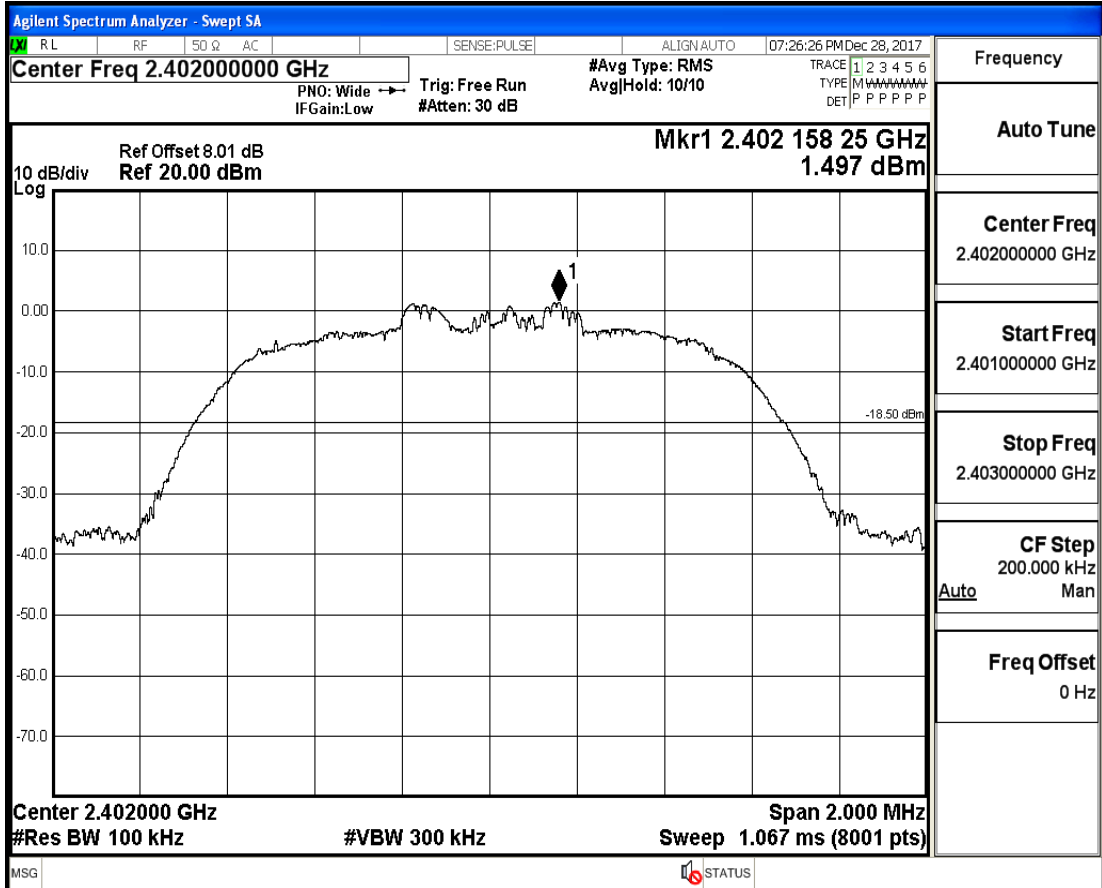
RF Conducted Spurious Emissions_GFSK_2441



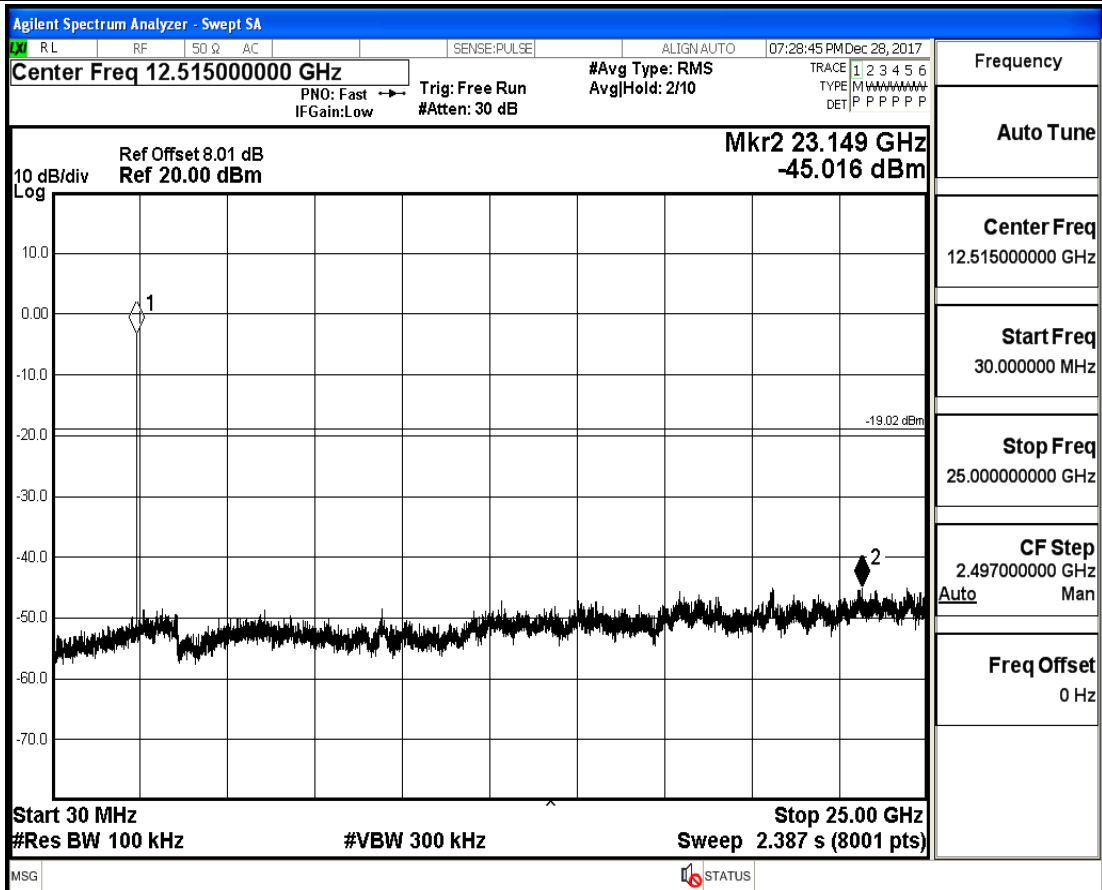
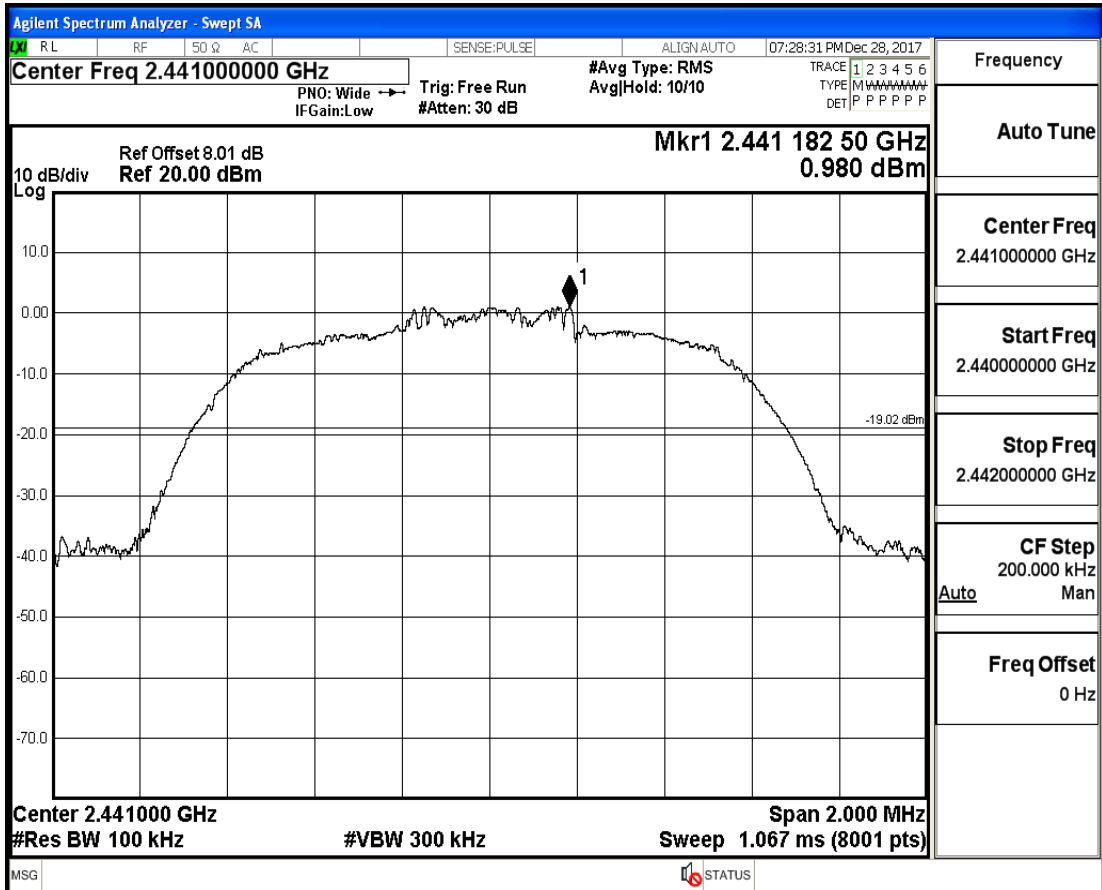
RF Conducted Spurious Emissions_GFSK_2480



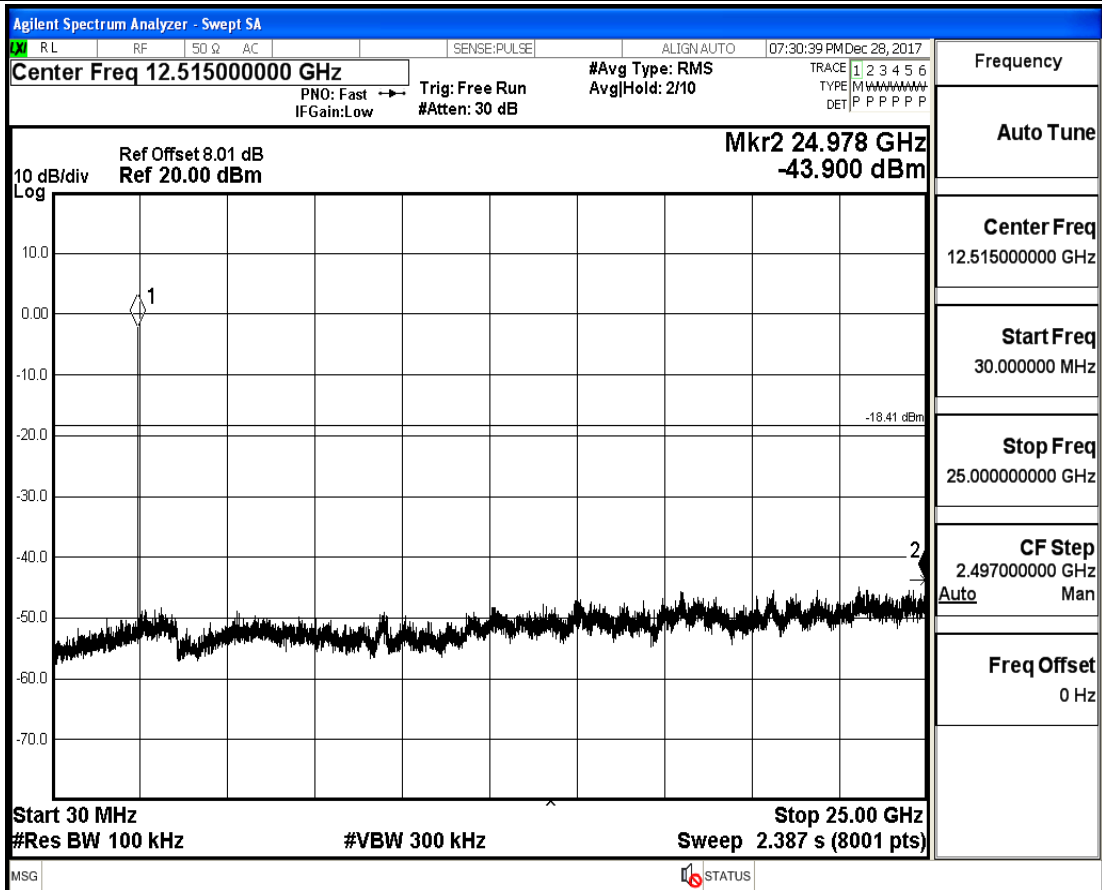
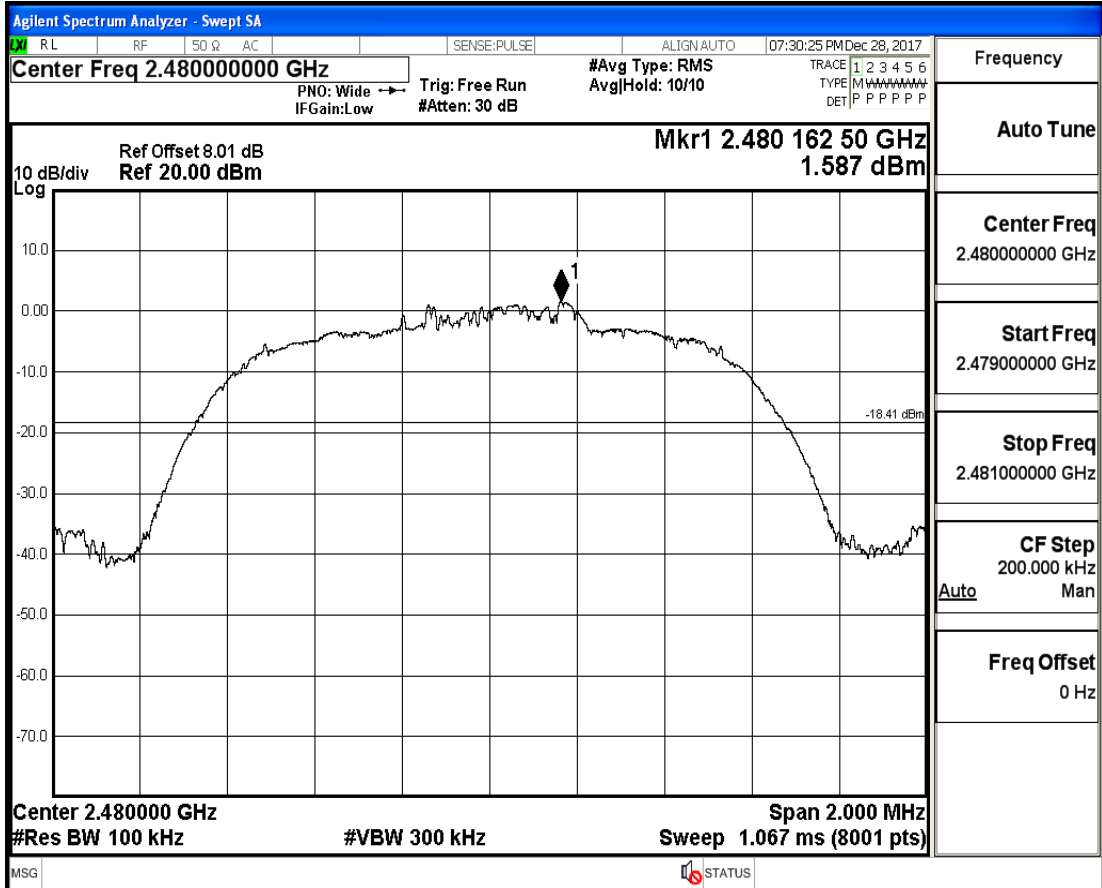
RF Conducted Spurious Emissions_π/4-DQPSK_2402



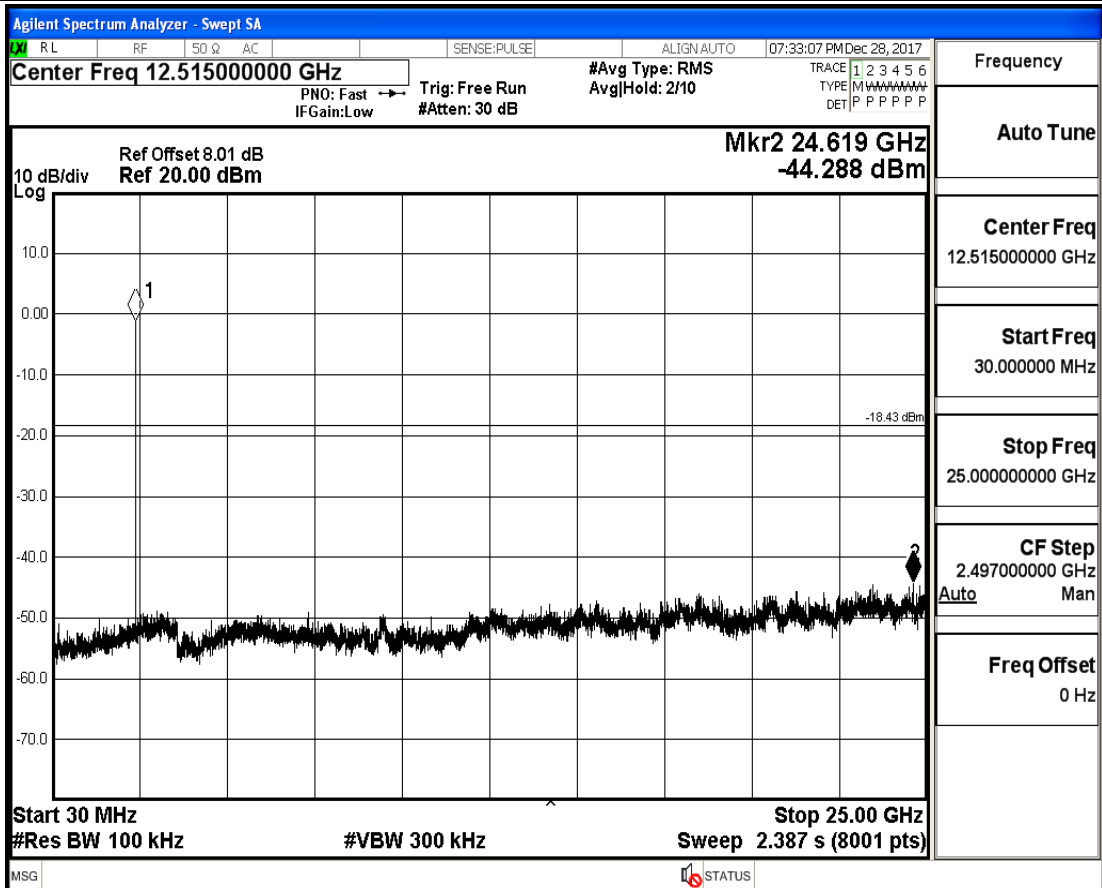
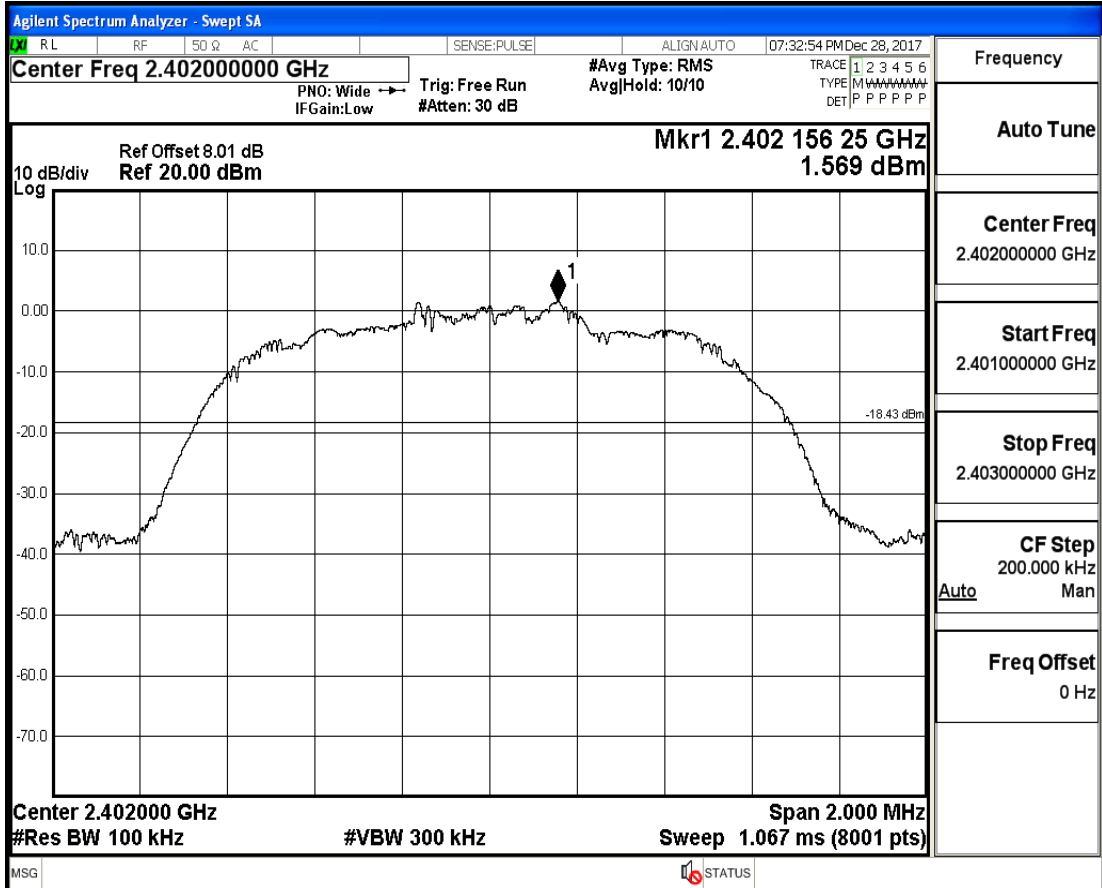
RF Conducted Spurious Emissions_π/4-DQPSK_2441



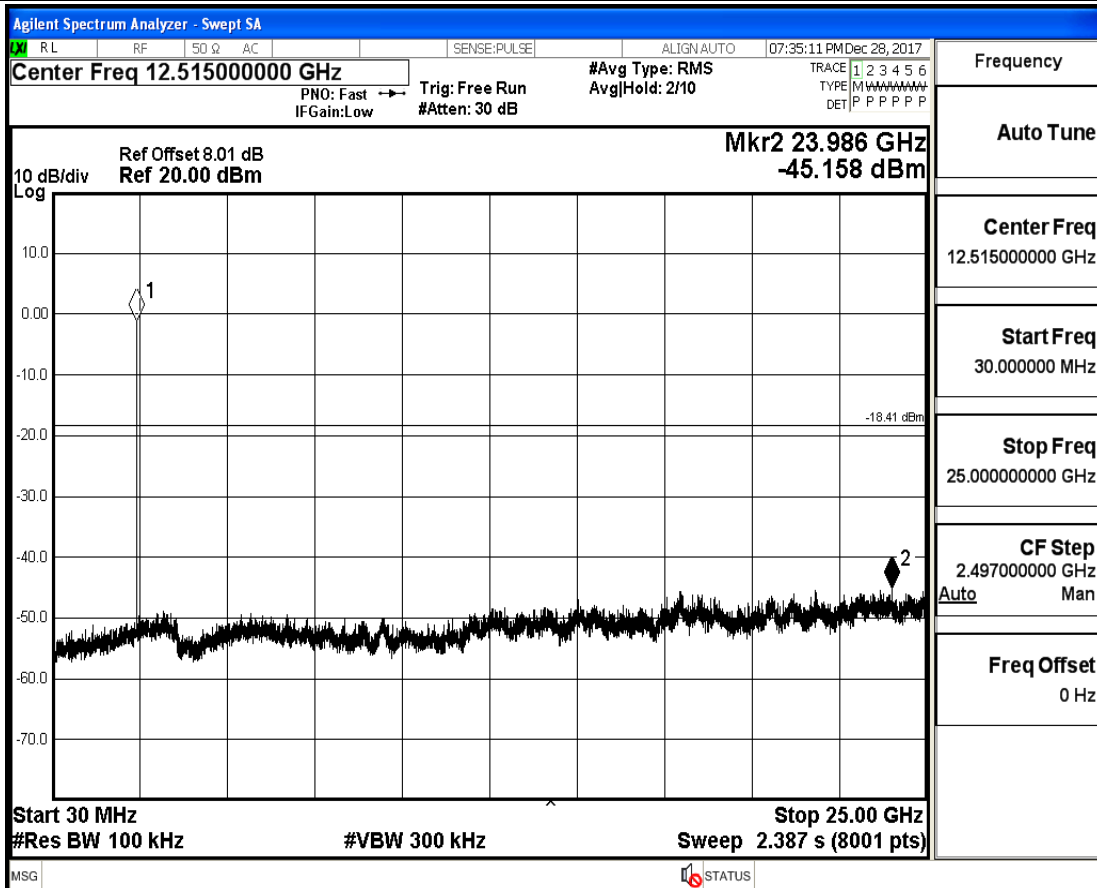
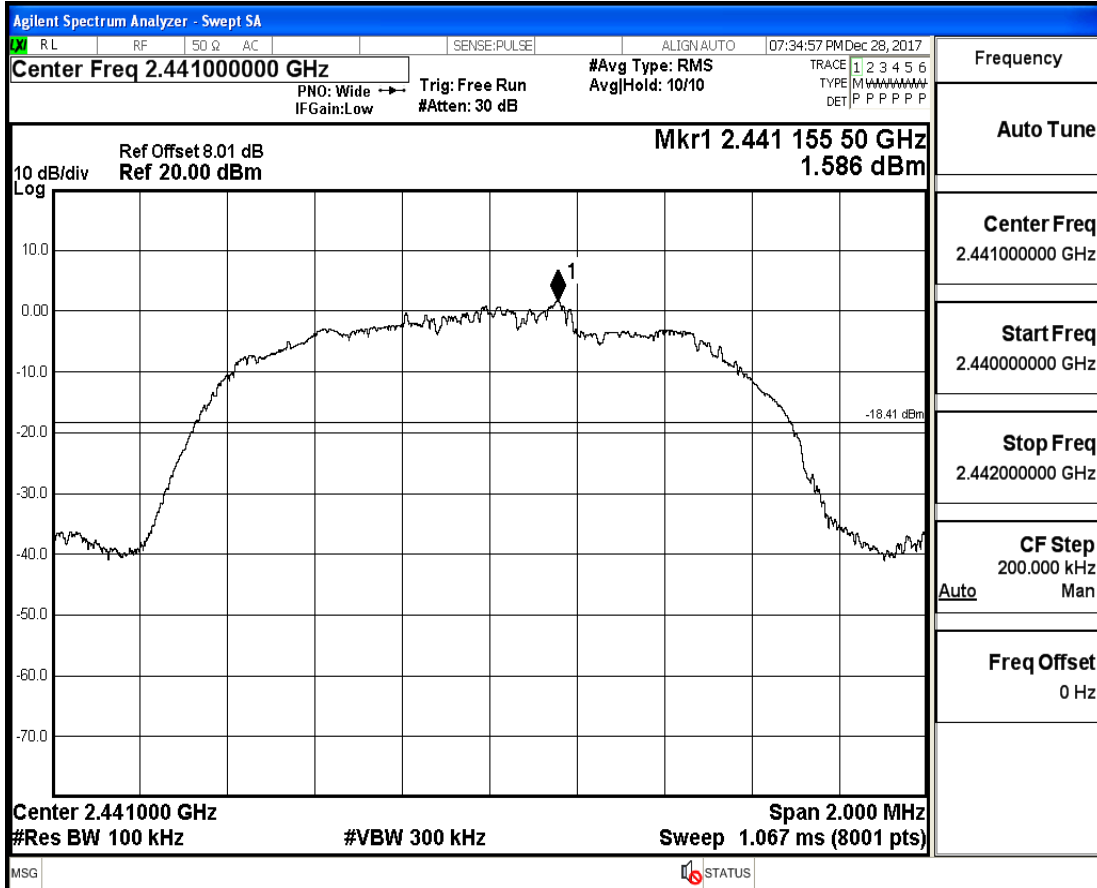
RF Conducted Spurious Emissions_π/4-DQPSK_2480



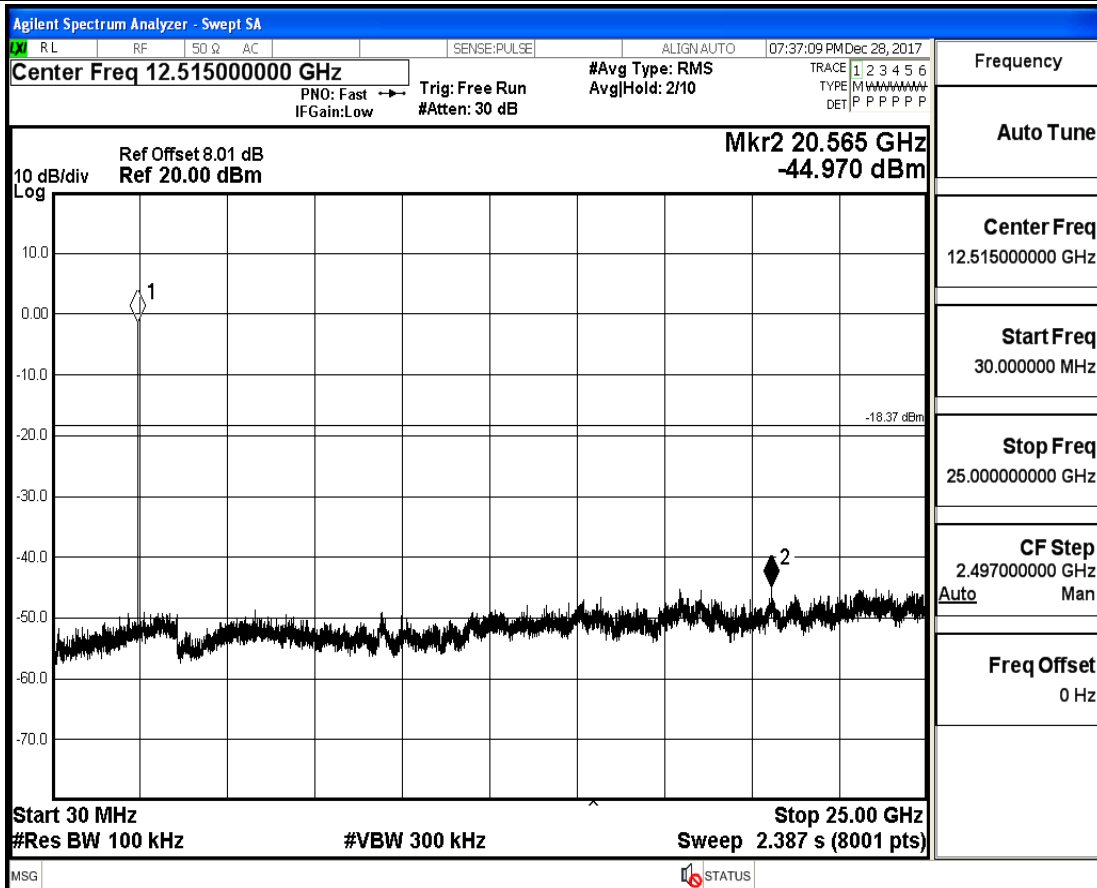
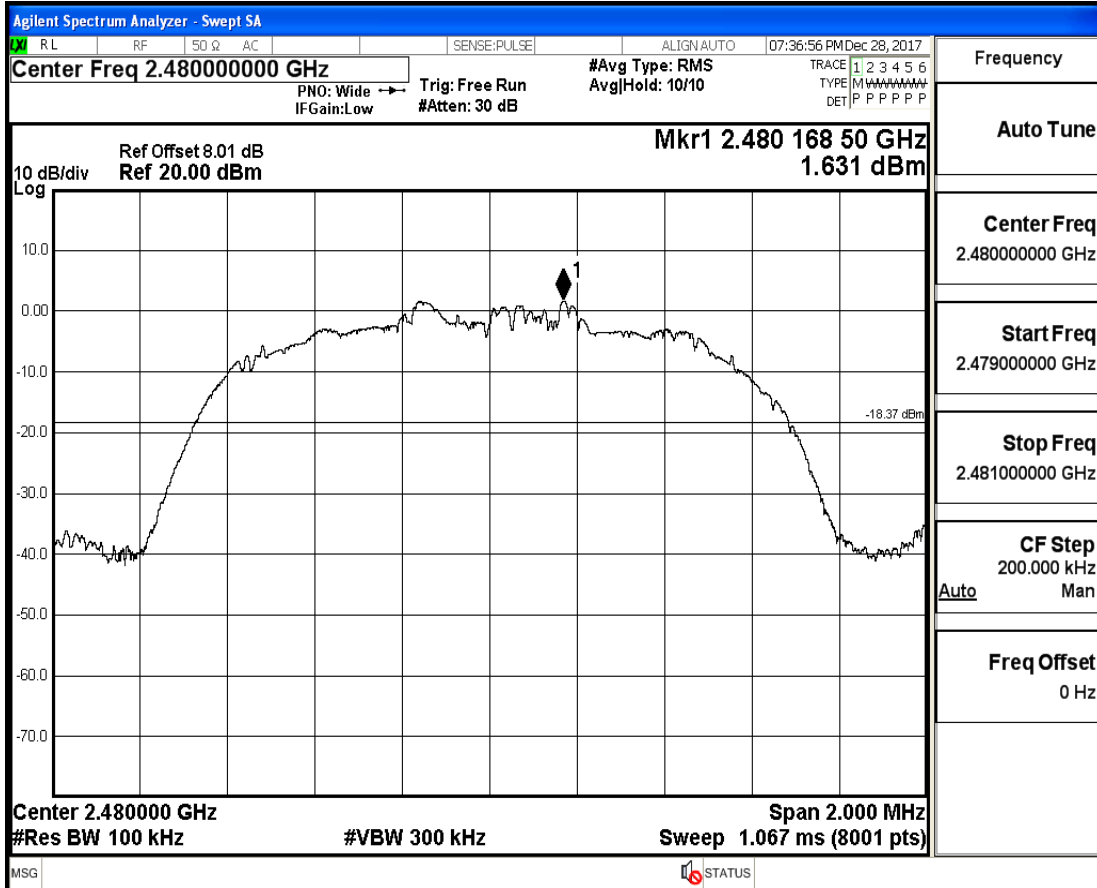
RF Conducted Spurious Emissions_8-DPSK_2402



RF Conducted Spurious Emissions_8-DPSK_2441



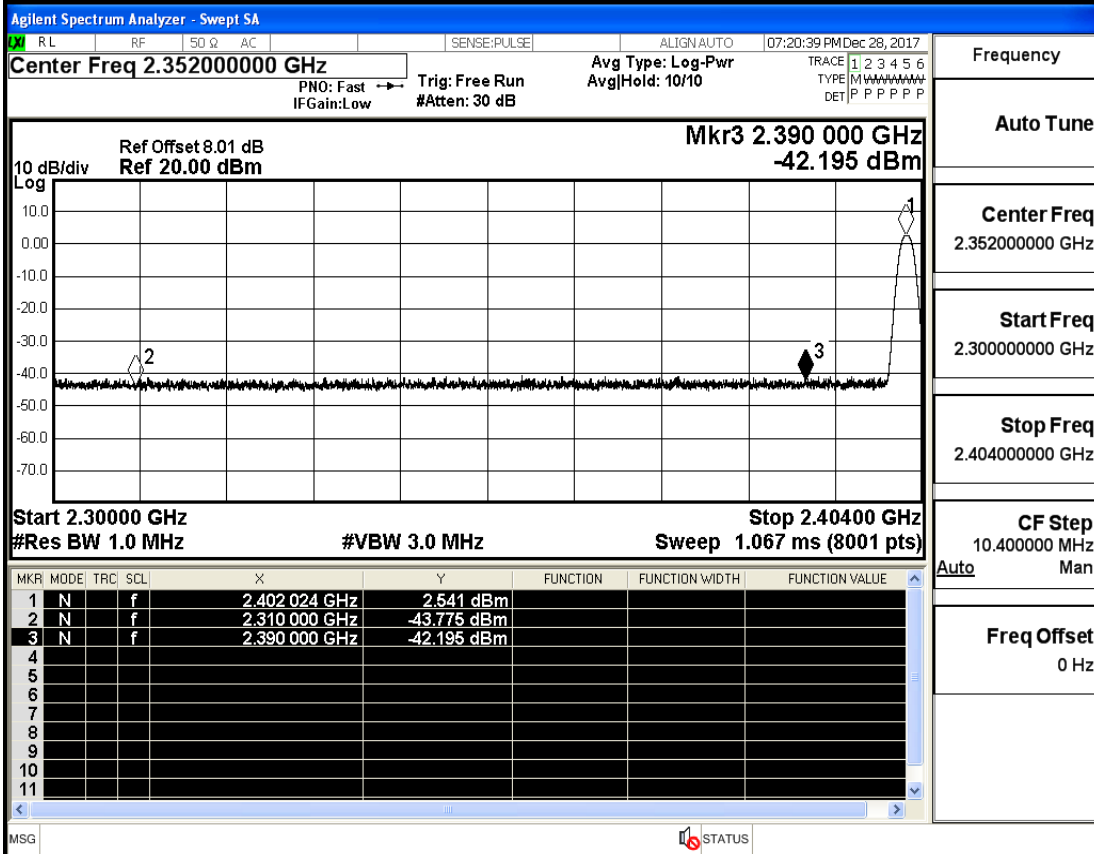
RF Conducted Spurious Emissions_8-DPSK_2480



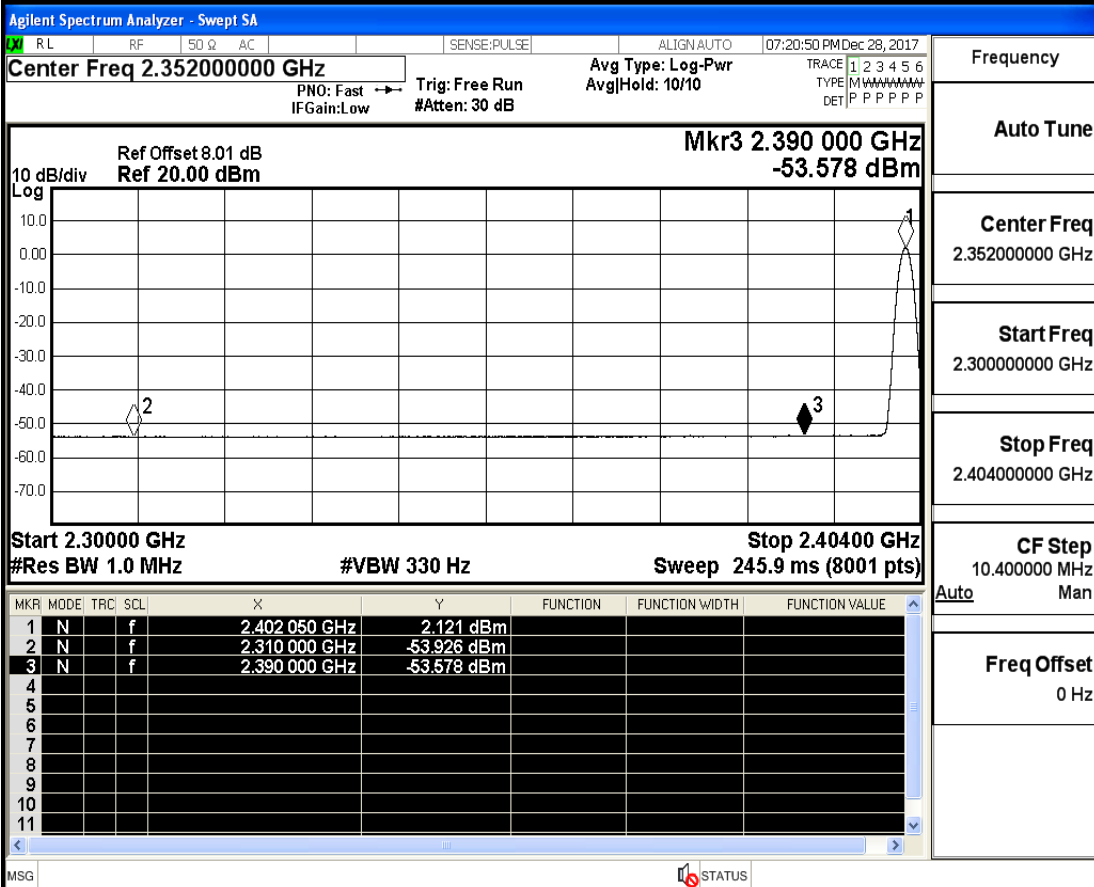
A.8 Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-43.78	2	0	53.48	PEAK	74	PASS
	Off	2310.0	-53.93	2	0	43.33	AV	54	PASS
	Off	2390.0	-42.20	2	0	55.06	PEAK	74	PASS
	Off	2390.0	-53.58	2	0	43.68	AV	54	PASS
	Off	2483.5	-43.35	2	0	53.91	PEAK	74	PASS
	Off	2483.5	-53.33	2	0	43.93	AV	54	PASS
	Off	2500.0	-42.85	2	0	54.41	PEAK	74	PASS
	Off	2500.0	-53.10	2	0	44.16	AV	54	PASS
$\pi/4$ -DQPSK	Off	2310.0	-44.60	2	0	52.66	PEAK	74	PASS
	Off	2310.0	-53.98	2	0	43.28	AV	54	PASS
	Off	2390.0	-43.76	2	0	53.50	PEAK	74	PASS
	Off	2390.0	-53.63	2	0	43.62	AV	54	PASS
	Off	2483.5	-43.83	2	0	53.43	PEAK	74	PASS
	Off	2483.5	-53.21	2	0	44.04	AV	54	PASS
	Off	2500.0	-44.77	2	0	52.49	PEAK	74	PASS
	Off	2500.0	-53.27	2	0	43.99	AV	54	PASS
8-DPSK	Off	2310.0	-42.44	2	0	54.82	PEAK	74	PASS
	Off	2310.0	-54.00	2	0	43.26	AV	54	PASS
	Off	2390.0	-43.86	2	0	53.39	PEAK	74	PASS
	Off	2390.0	-53.76	2	0	43.50	AV	54	PASS
	Off	2483.5	-43.03	2	0	54.23	PEAK	74	PASS
	Off	2483.5	-53.31	2	0	43.95	AV	54	PASS
	Off	2500.0	-43.40	2	0	53.86	PEAK	74	PASS
	Off	2500.0	-53.22	2	0	44.04	AV	54	PASS

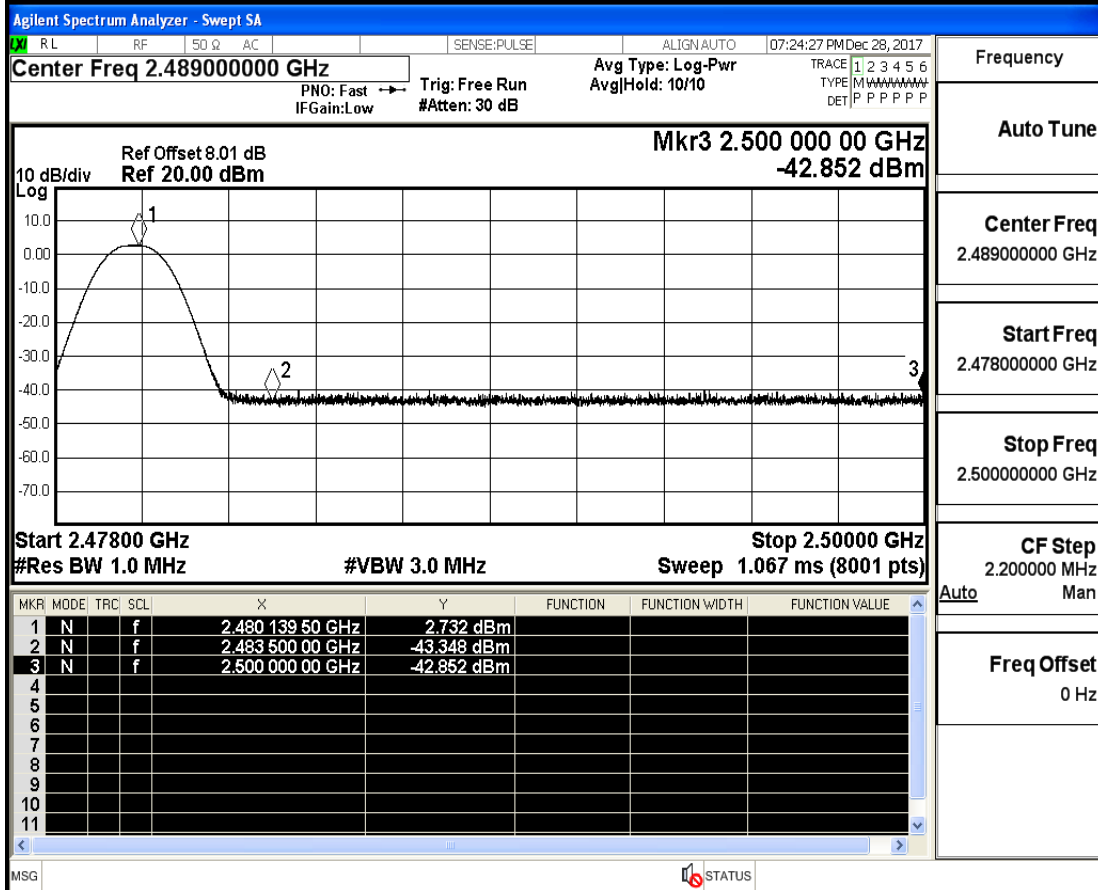
Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK



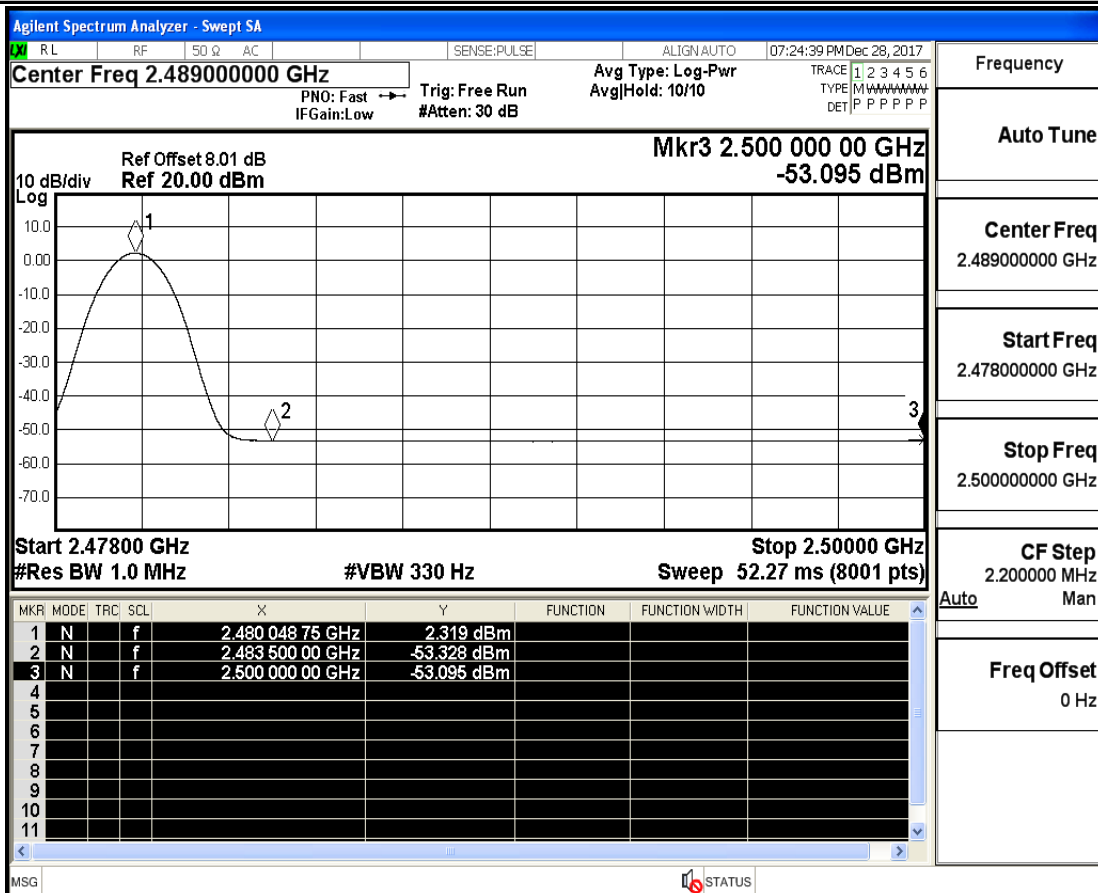
Restrict-band band-edge measurements_Hopping Off_ GFSK_Average



Restrict-band band-edge measurements_Hopping Off_ GFSK_PEAK



Restrict-band band-edge measurements_Hopping Off_ GFSK_Average



Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.357000000 GHz

Ref Offset 8.01 dB
Ref 20.00 dBm

Mkr3 2.390 000 GHz
-43.758 dBm

10 dB/div
Log

Start 2.31000 GHz
#Res BW 1.0 MHz

Stop 2.40400 GHz
#VBW 3.0 MHz
Sweep 1.067 ms (8001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		2.401 838 GHz	2.006 dBm			
2	N	f		2.310 000 GHz	-44.600 dBm			
3	N	f		2.390 000 GHz	-43.758 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.357000000 GHz

Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz
Auto Man

Freq Offset
0 Hz

Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.357000000 GHz

Ref Offset 8.01 dB
Ref 20.00 dBm

Mkr3 2.390 000 GHz
-53.633 dBm

10 dB/div
Log

Start 2.31000 GHz
#Res BW 1.0 MHz

Stop 2.40400 GHz
#VBW 330 Hz
Sweep 222.4 ms (8001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		2.402 026 GHz	-1.374 dBm			
2	N	f		2.310 000 GHz	-53.978 dBm			
3	N	f		2.390 000 GHz	-53.633 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.357000000 GHz

Start Freq
2.310000000 GHz

Stop Freq
2.404000000 GHz

CF Step
9.400000 MHz
Auto Man

Freq Offset
0 Hz

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.35700000 GHz

Ref Offset 8.01 dB
Ref 20.00 dBm

10 dB/div

Log

Start 2.31000 GHz
#Res BW 1.0 MHz

Stop 2.40400 GHz
Sweep 222.4 ms (8001 pts)

VBW 330 Hz

Mkr3 2.390 000 GHz
-53.633 dBm

Frequency

Auto Tune

Center Freq
2.35700000 GHz

Start Freq
2.31000000 GHz

Stop Freq
2.40400000 GHz

CF Step
9.400000 MHz
Auto Man

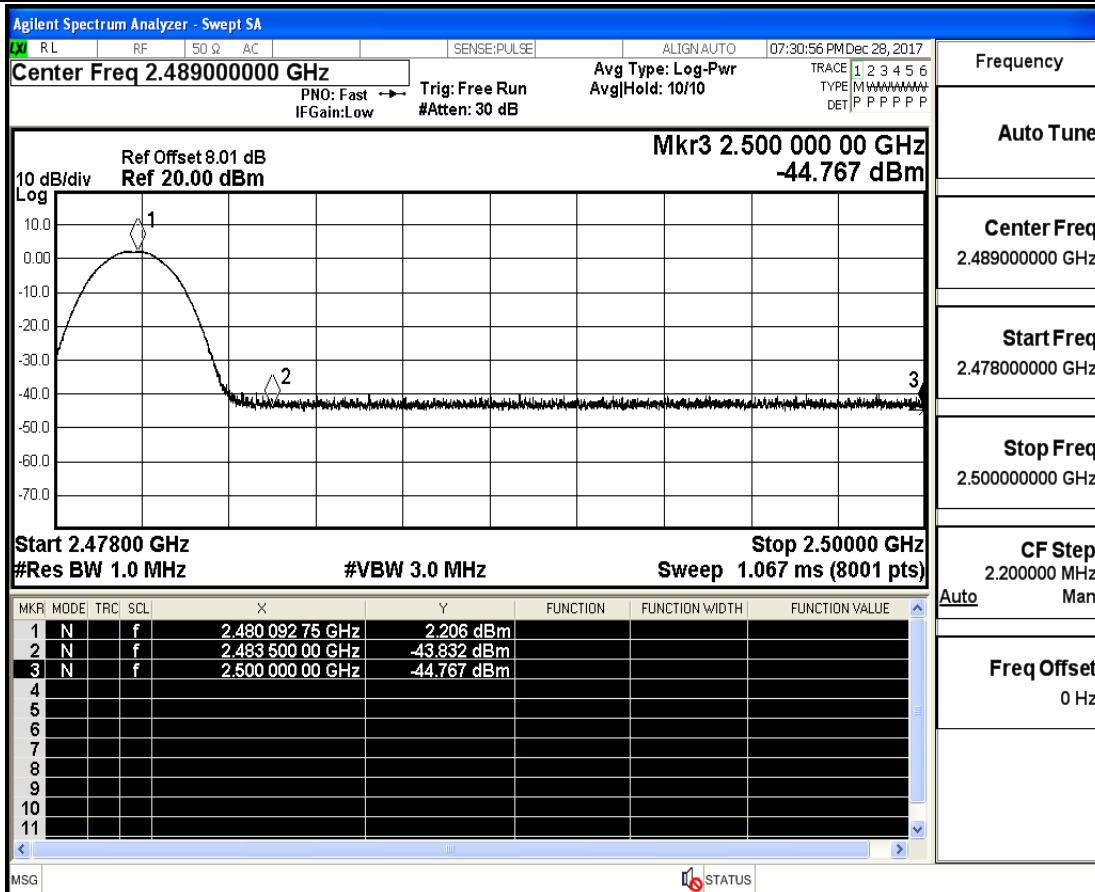
Freq Offset
0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	f		2.402 026 GHz	-1.374 dBm			
2	N	f		2.310 000 GHz	-53.978 dBm			
3	N	f		2.390 000 GHz	-53.633 dBm			
4								
5								
6								
7								
8								
9								
10								
11								

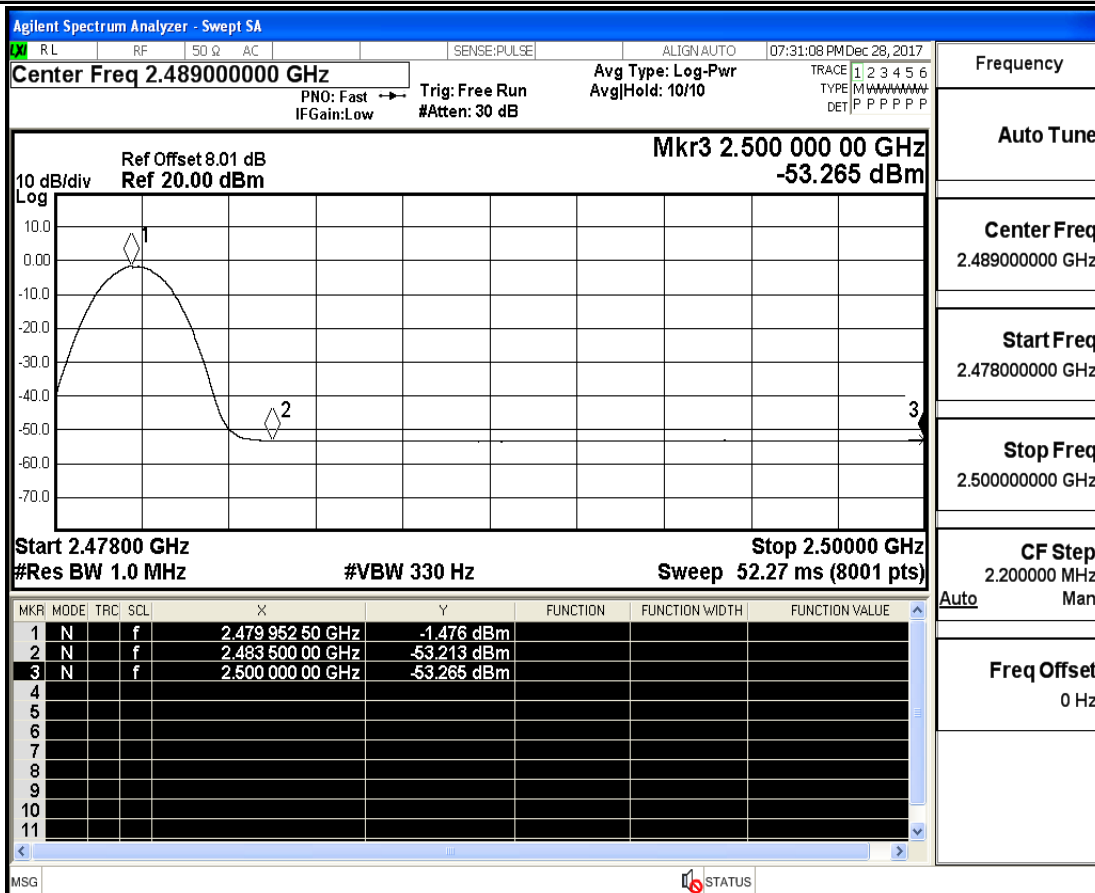
MSG

STATUS

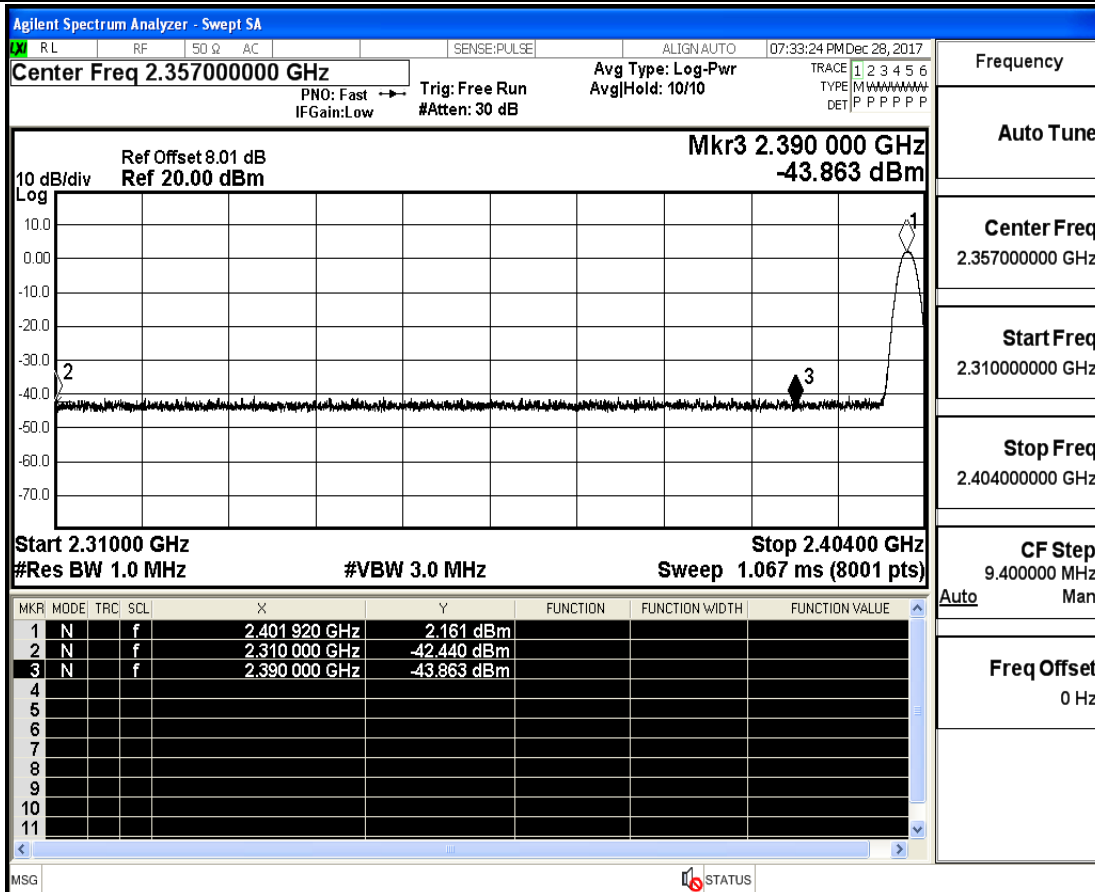
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_PEAK



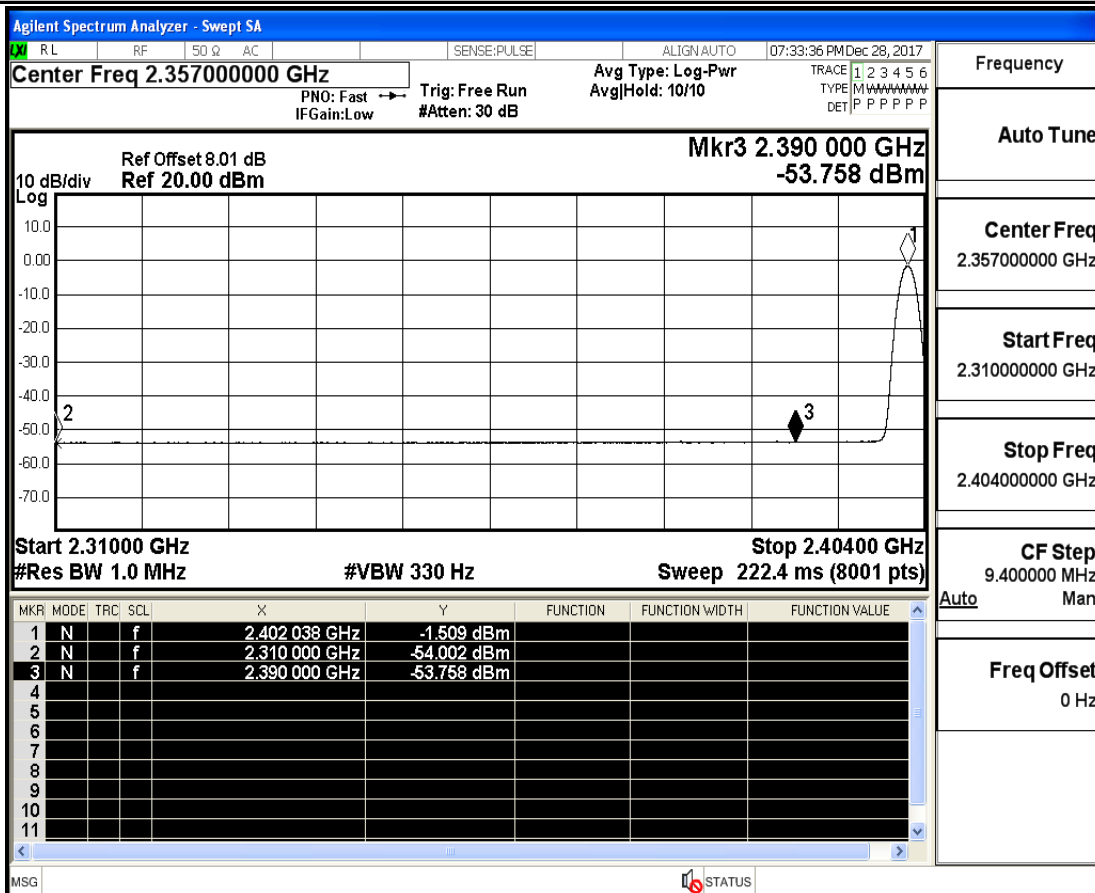
Restrict-band band-edge measurements_Hopping Off_π/4-DQPSK_Average



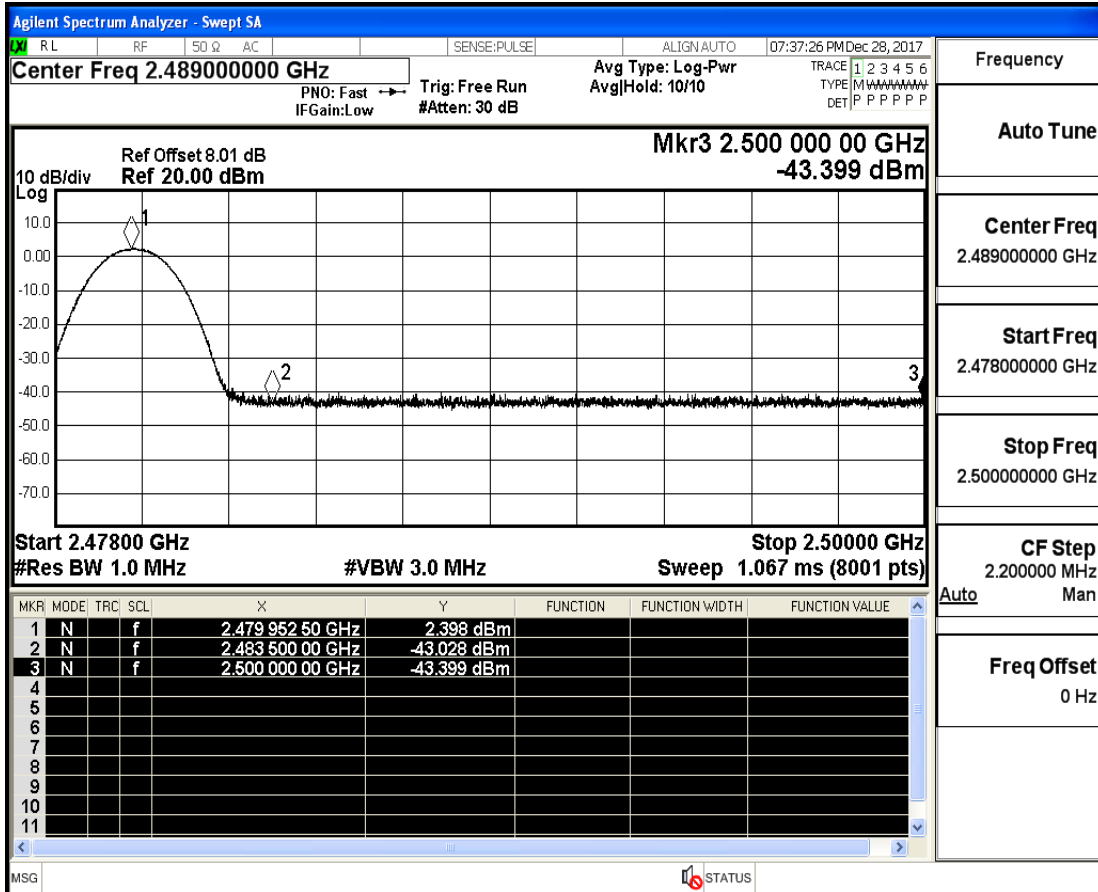
Restrict-band band-edge measurements_Hopping Off_8-DPSK_PEAK



Restrict-band band-edge measurements_Hopping Off_8-DPSK_Average



Restrict-band band-edge measurements_Hopping Off_8-DPSK_PEAK



Restrict-band band-edge measurements_Hopping Off_8-DPSK_Average

