

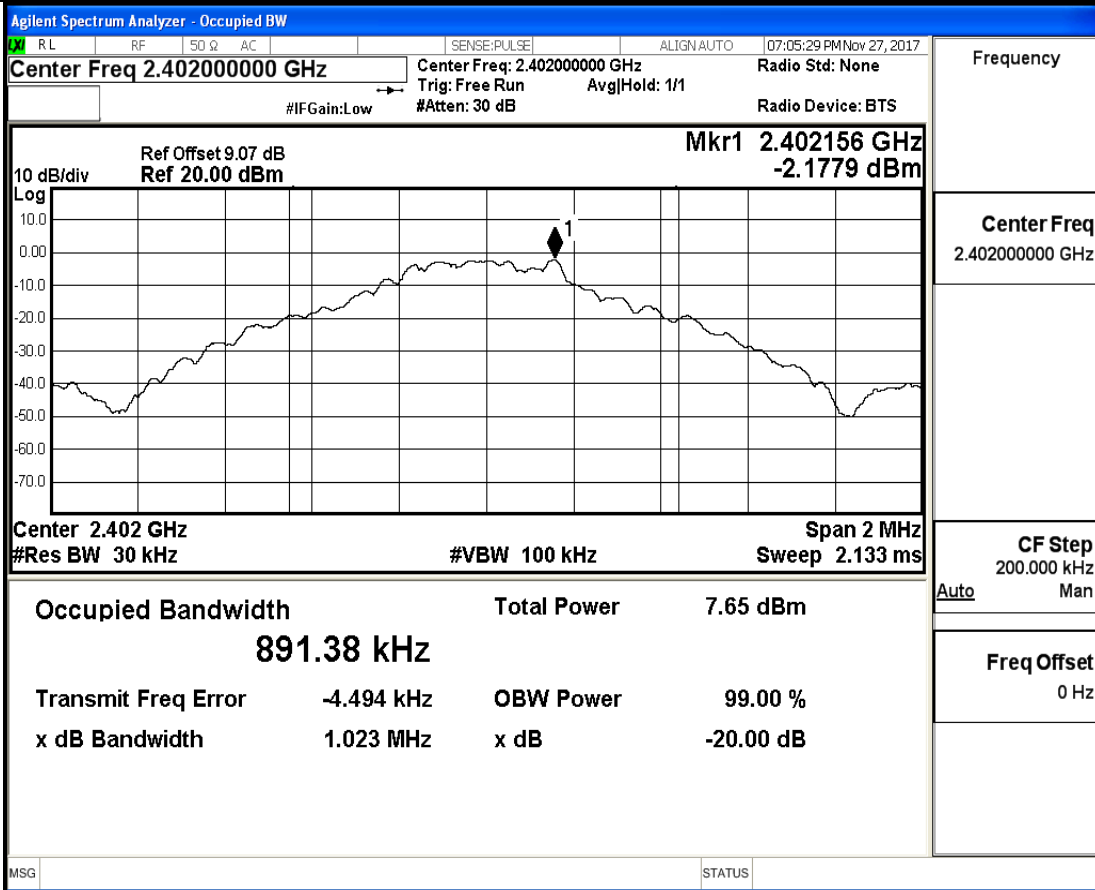
**Appendix A**  
**RF Test Data for BT V4.0(BDR/EDR) (Conducted Measurement)**

Product Name: Tablet with 3G  
Trade Mark: SKY DEVICES, HENA  
Test Model: PLATINUM VIEW  
FCC ID: 2ABOSPLATVIEW

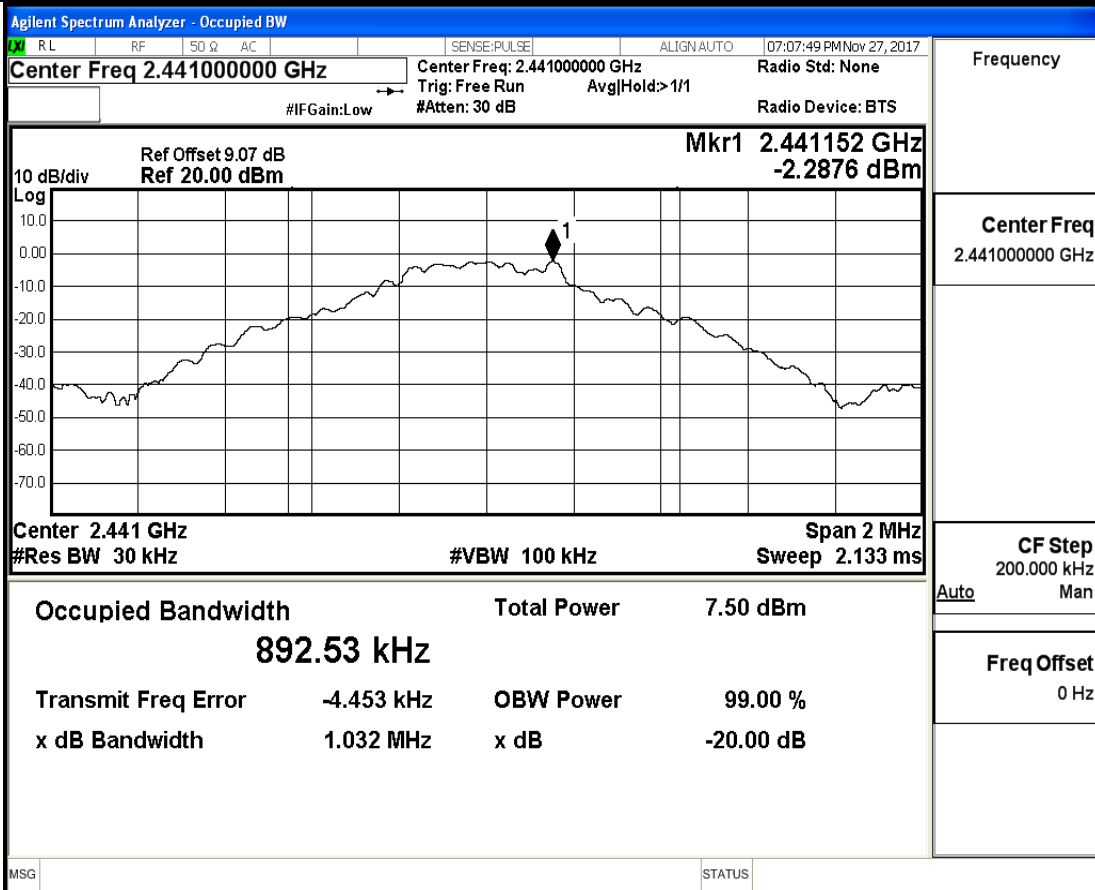
**A.1 20 dB Bandwidth**

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
GFSK	2402	1.023	---	PASS
	2441	1.032	---	PASS
	2480	0.9714	---	PASS
$\pi/4$ -DQPSK	2402	1.288	---	PASS
	2441	1.291	---	PASS
	2480	1.290	---	PASS
8-DPSK	2402	1.286	---	PASS
	2441	1.294	---	PASS
	2480	1.289	---	PASS

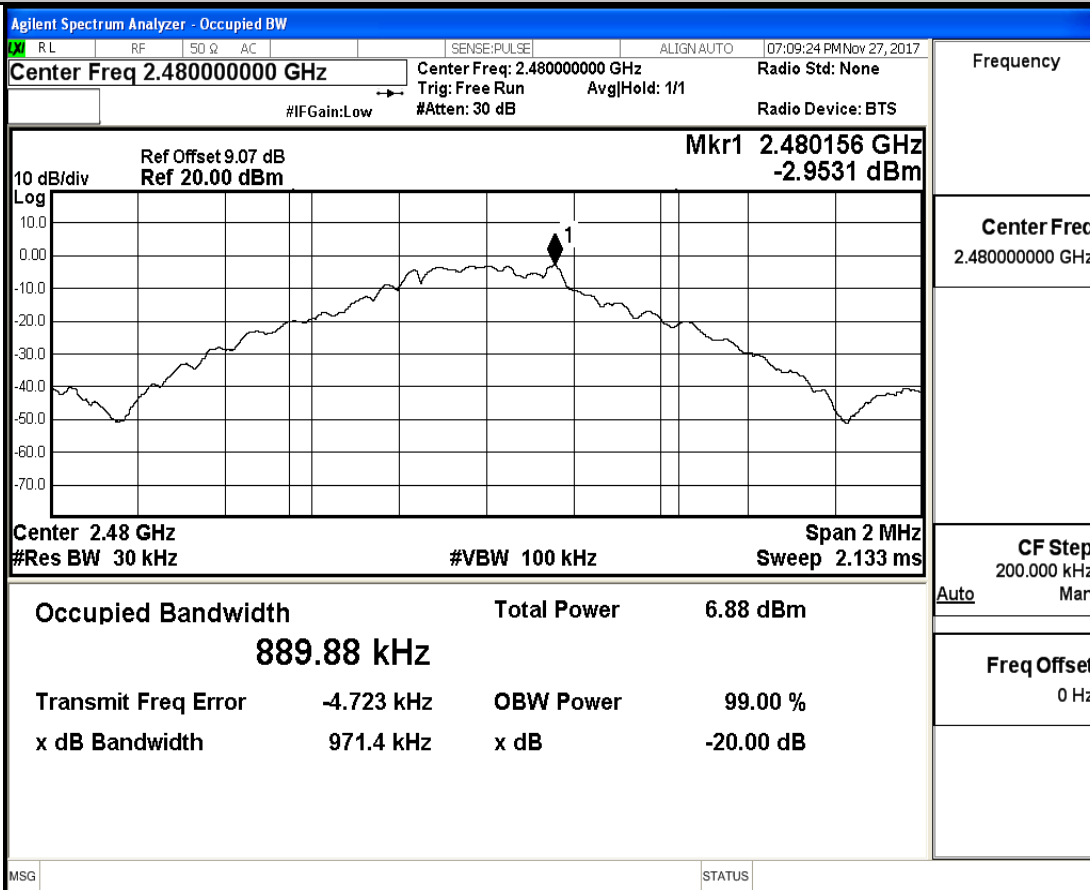
20 dB Bandwidth\_GFSK\_2402



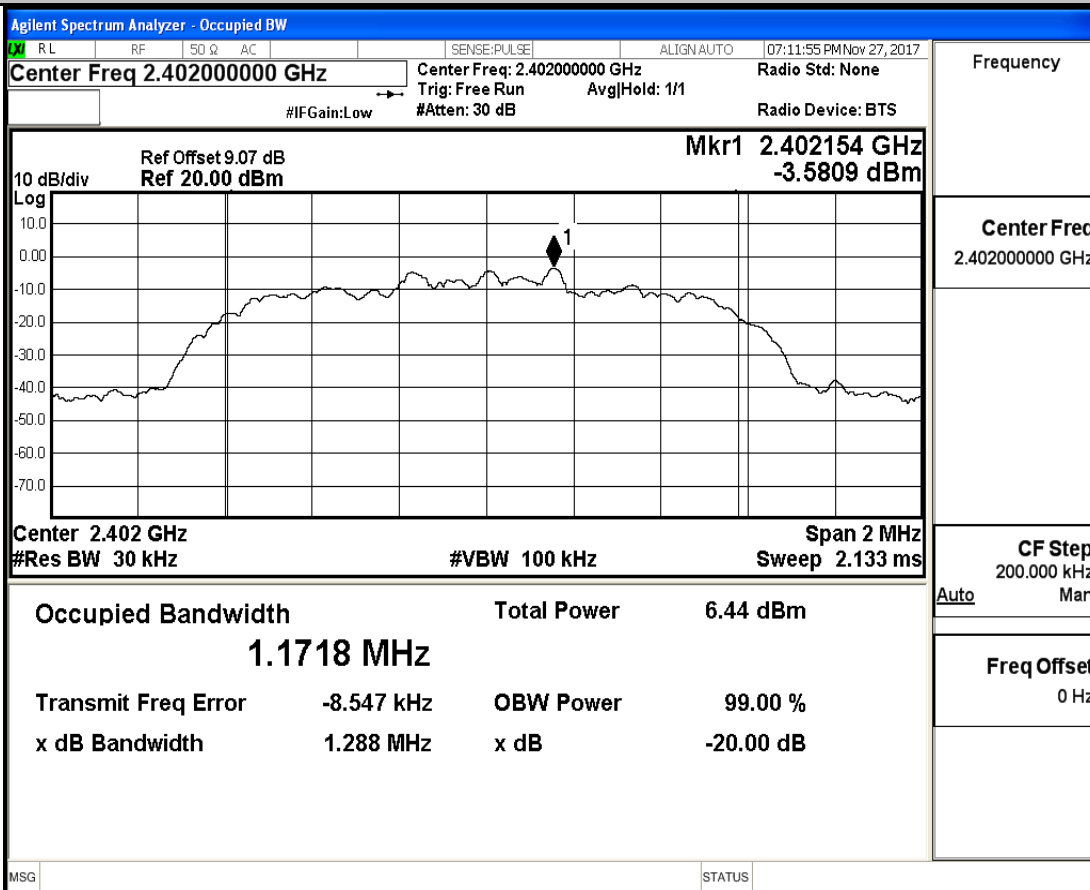
20 dB Bandwidth\_GFSK\_2441



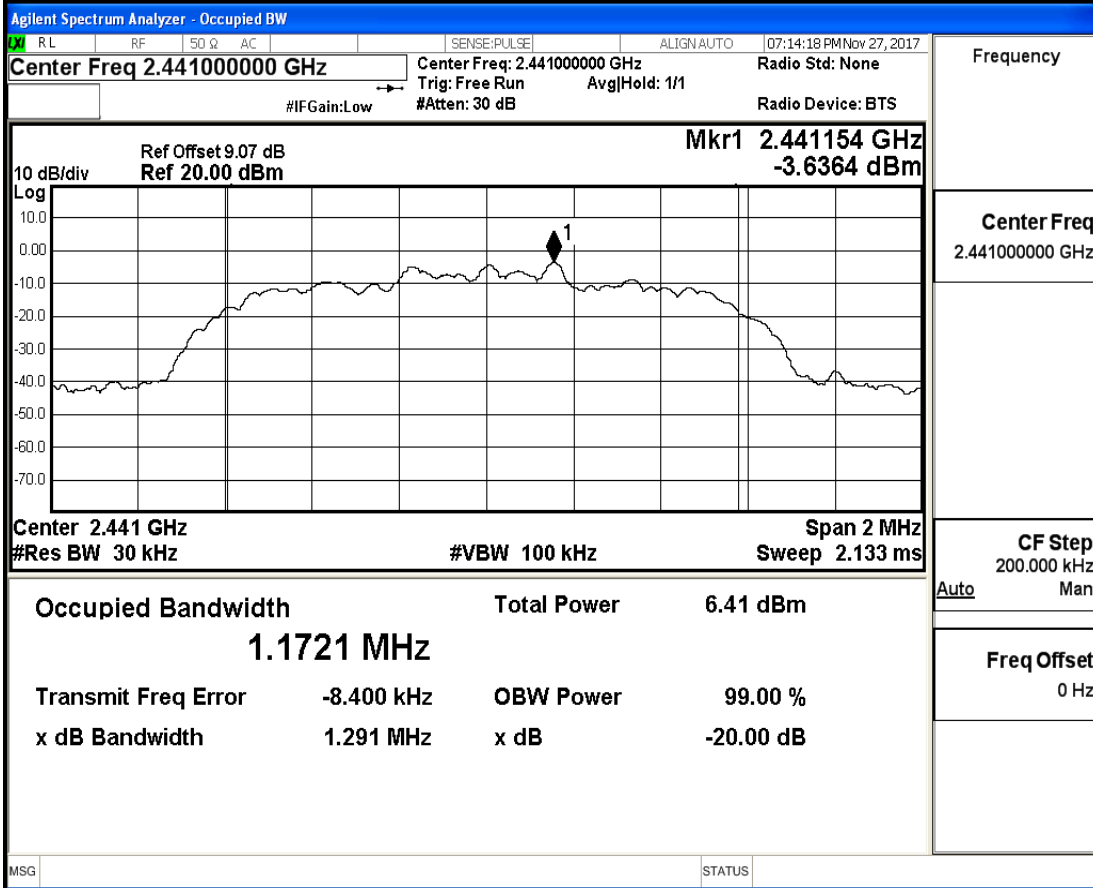
20 dB Bandwidth\_GFSK\_2480



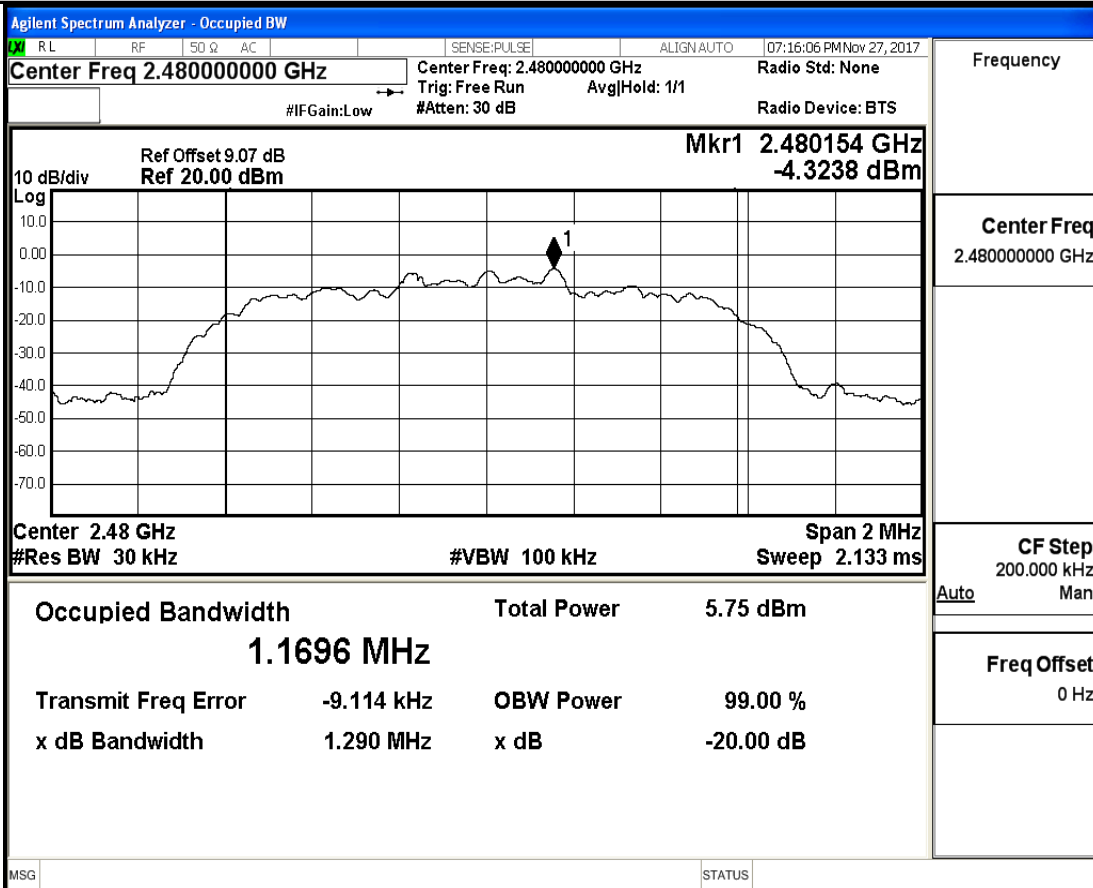
20 dB Bandwidth\_π/4-DQPSK\_2402



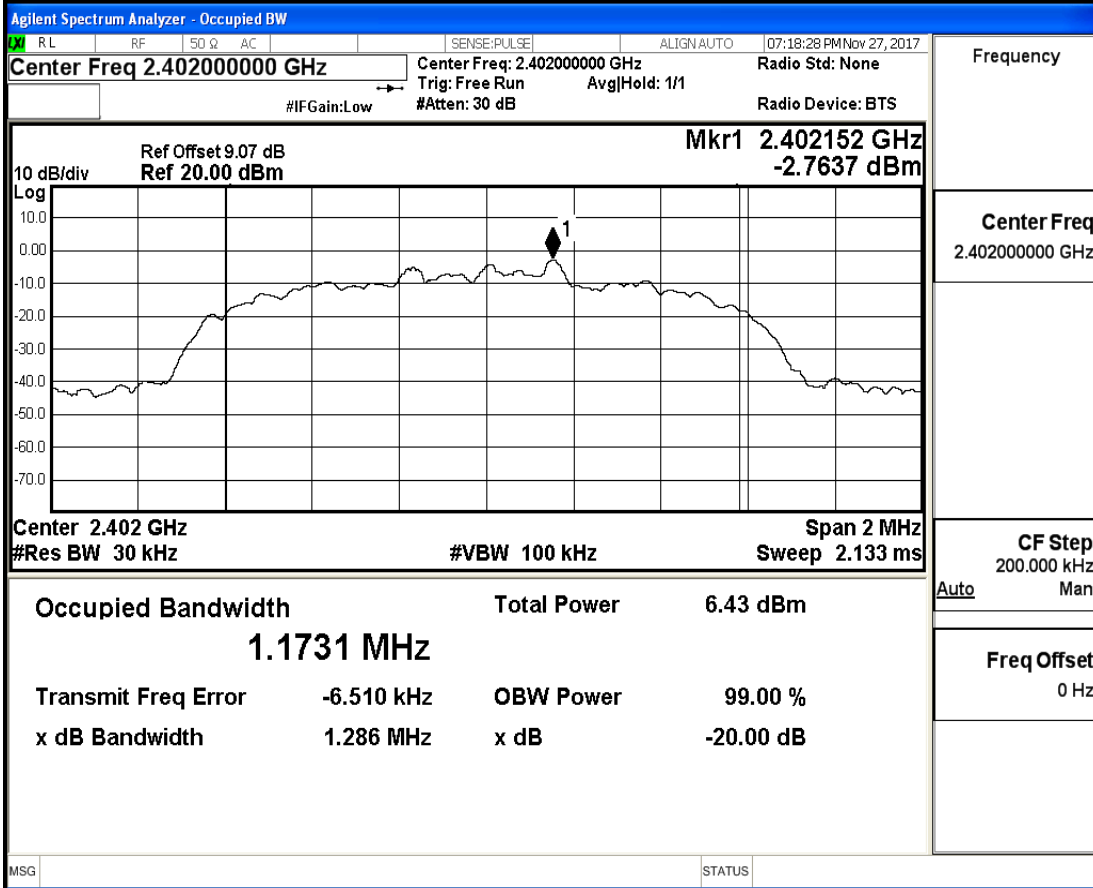
20 dB Bandwidth\_π/4-DQPSK\_2441



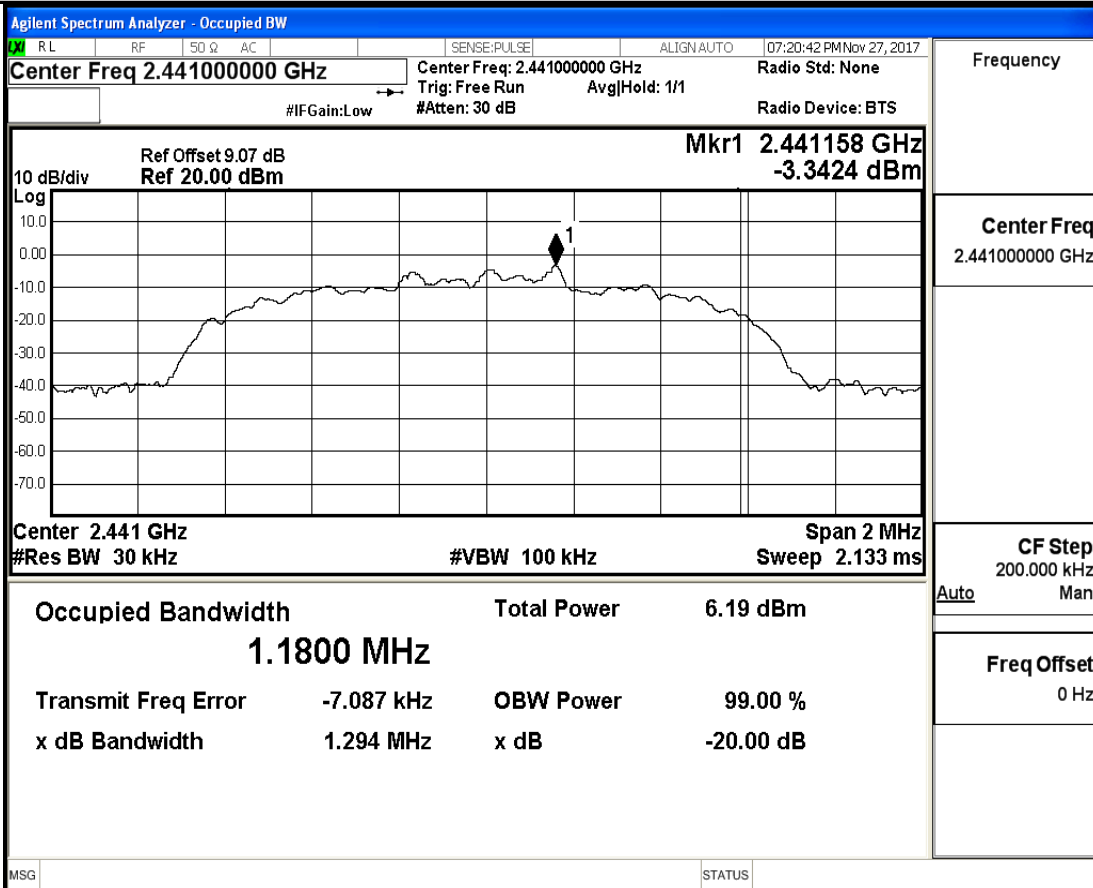
20 dB Bandwidth\_π/4-DQPSK\_2480



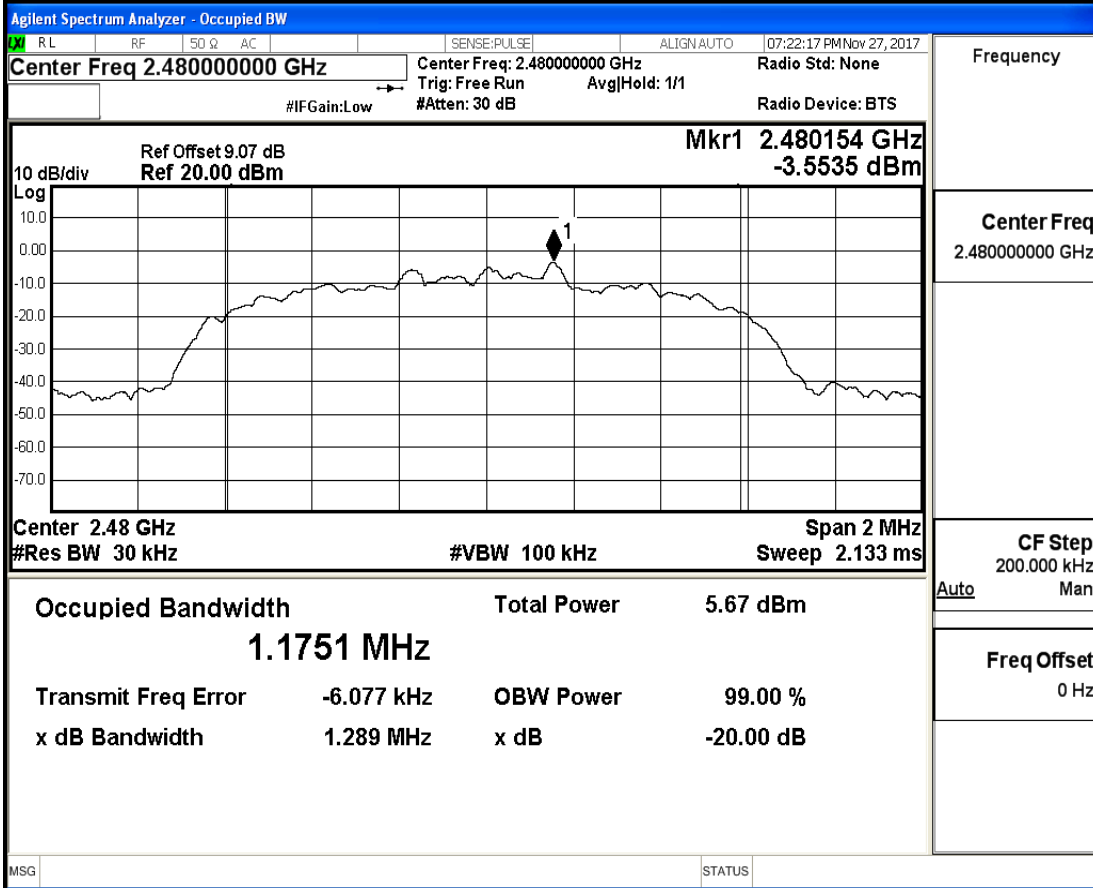
20 dB Bandwidth\_8-DPSK\_2402



20 dB Bandwidth\_8-DPSK\_2441



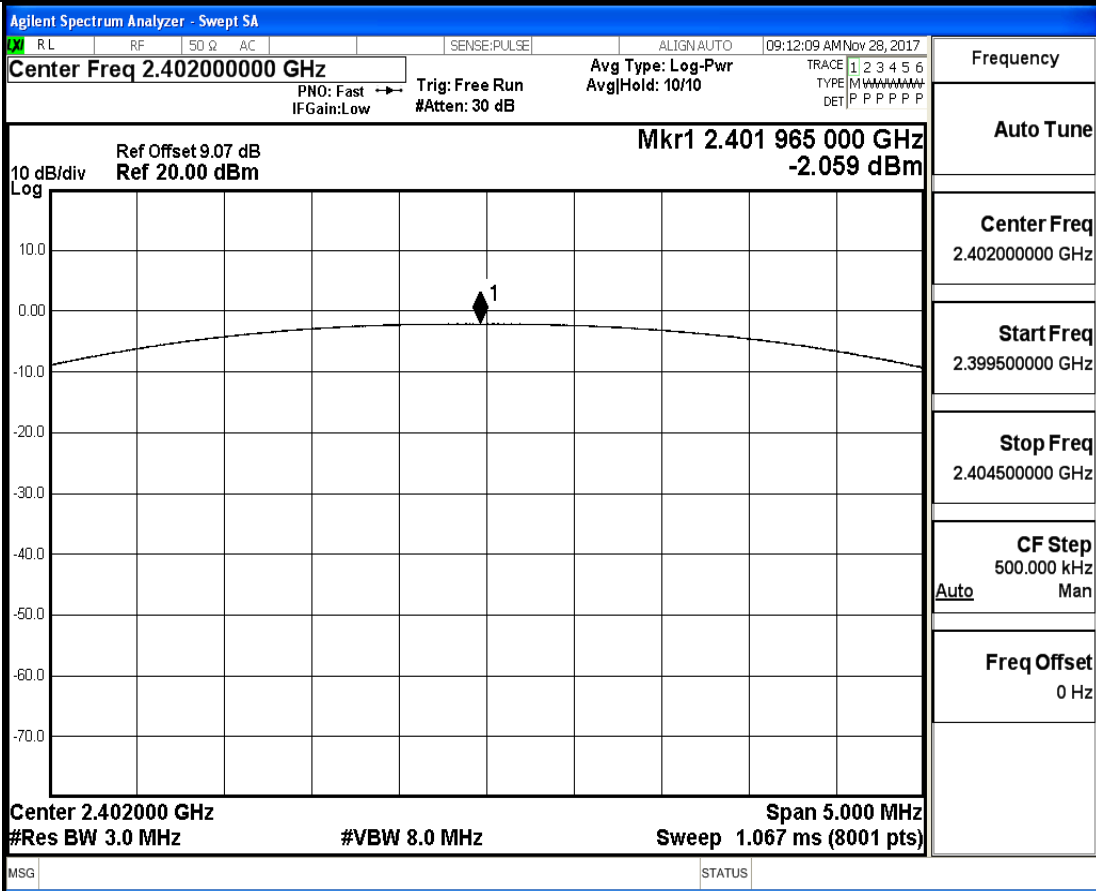
20 dB Bandwidth\_8-DPSK\_2480



## A.2 Conducted Peak Output Power

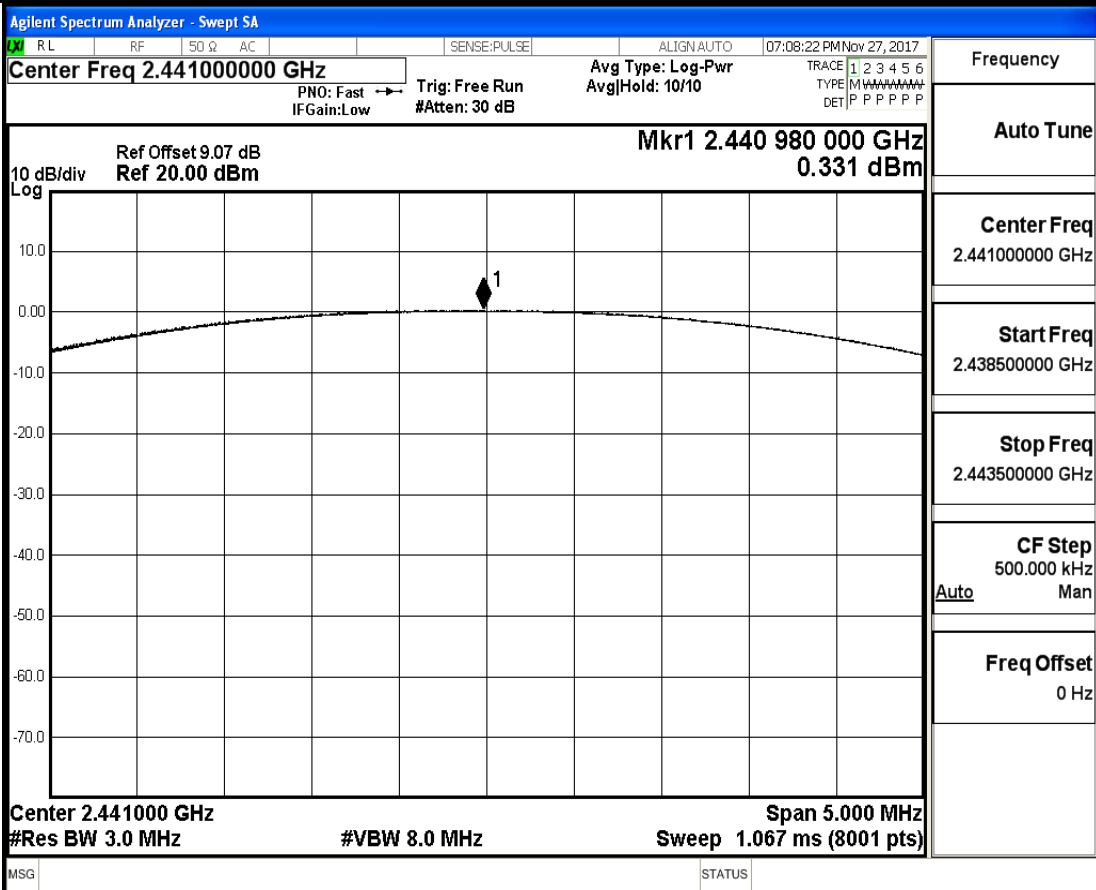
Test Mode	Test Channel	Peak Conducted Output Power (dBm)	Limit[dBm]	Verdict
GFSK	2402	-2.059	30	PASS
	2441	0.331	30	PASS
	2480	-0.418	30	PASS
$\pi/4$ -DQPSK	2402	0.211	30	PASS
	2441	-0.024	30	PASS
	2480	-0.586	30	PASS
8-DPSK	2402	0.317	30	PASS
	2441	0.129	30	PASS
	2480	-0.453	30	PASS

Conducted Peak Output Power\_GFSK\_2402



Frequency
Auto Tune
Center Freq 2.402000000 GHz
Start Freq 2.399500000 GHz
Stop Freq 2.404500000 GHz
CF Step 500.000 kHz Auto Man
Freq Offset 0 Hz

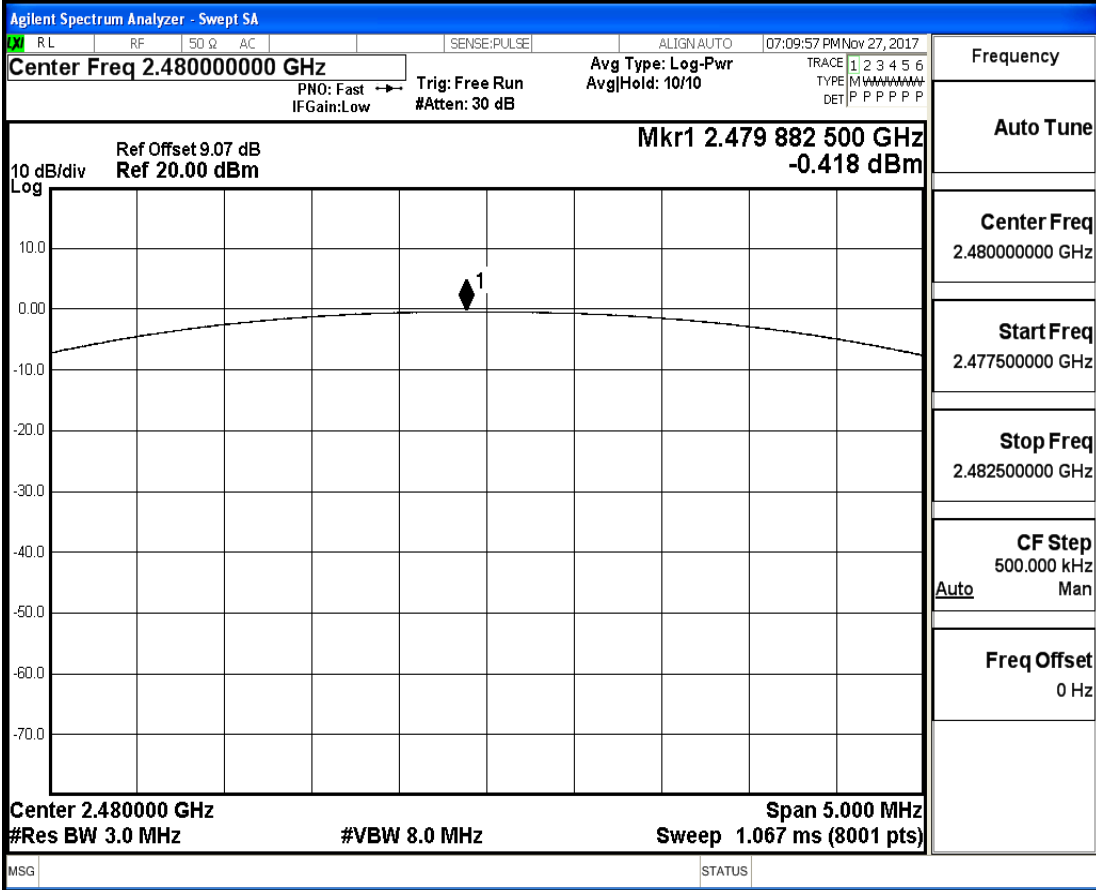
Conducted Peak Output Power\_GFSK\_2441



Frequency
Auto Tune
Center Freq 2.441000000 GHz
Start Freq 2.438500000 GHz
Stop Freq 2.443500000 GHz
CF Step 500.000 kHz Auto Man
Freq Offset 0 Hz

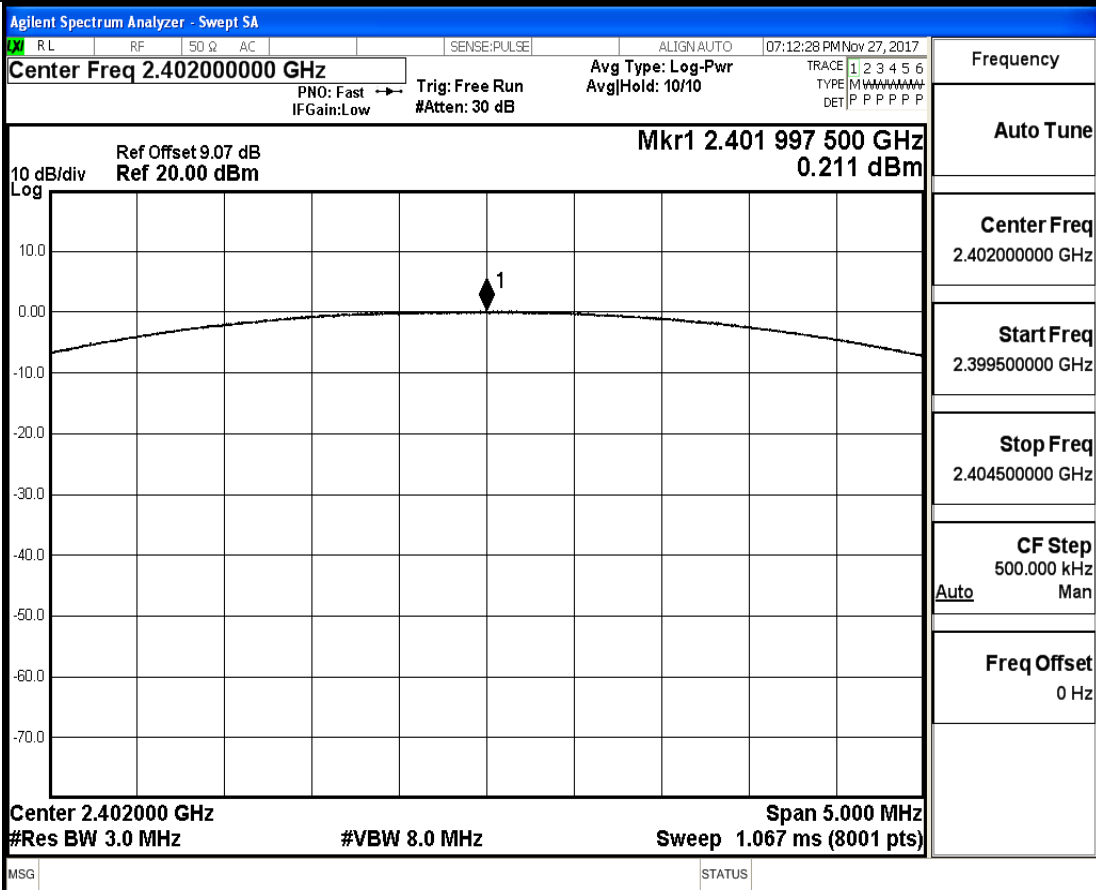


### Conducted Peak Output Power\_GFSK\_2480



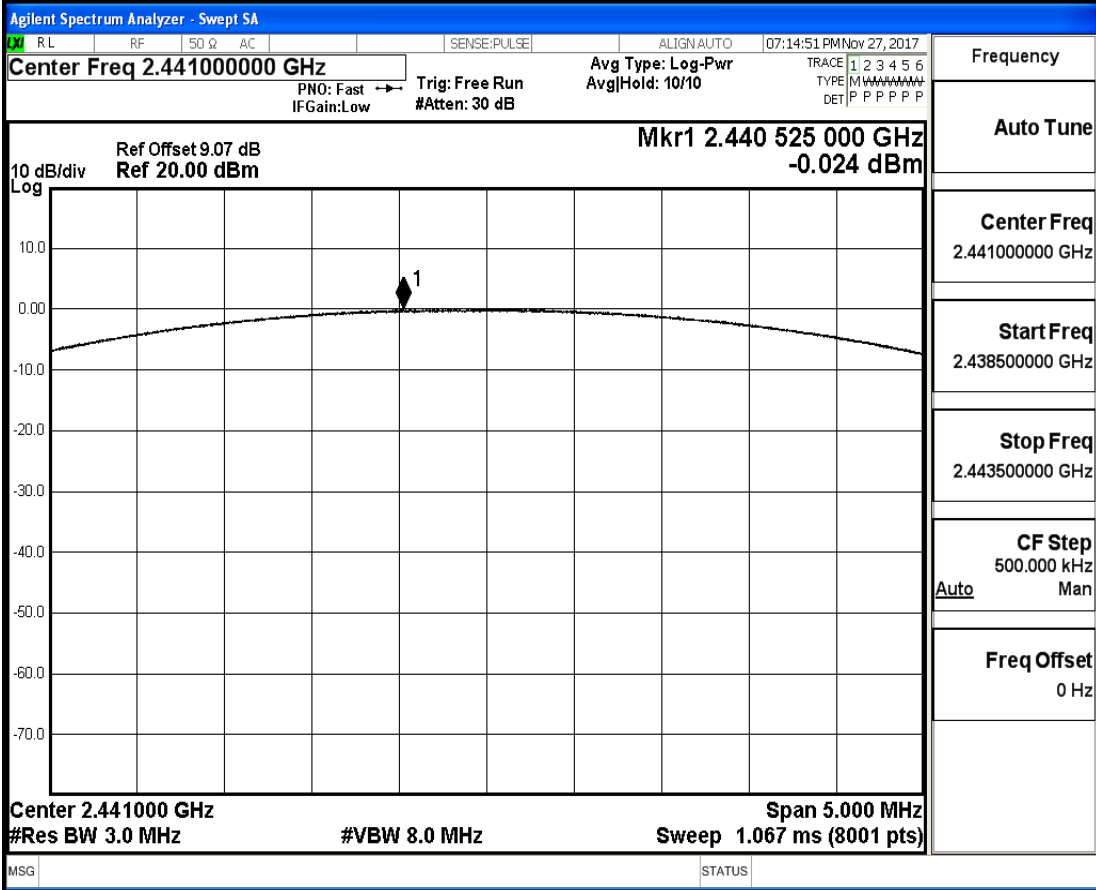
Frequency
Auto Tune
Center Freq 2.48000000 GHz
Start Freq 2.477500000 GHz
Stop Freq 2.482500000 GHz
CF Step 500.000 kHz Auto Man
Freq Offset 0 Hz

### Conducted Peak Output Power\_π/4-DQPSK\_2402

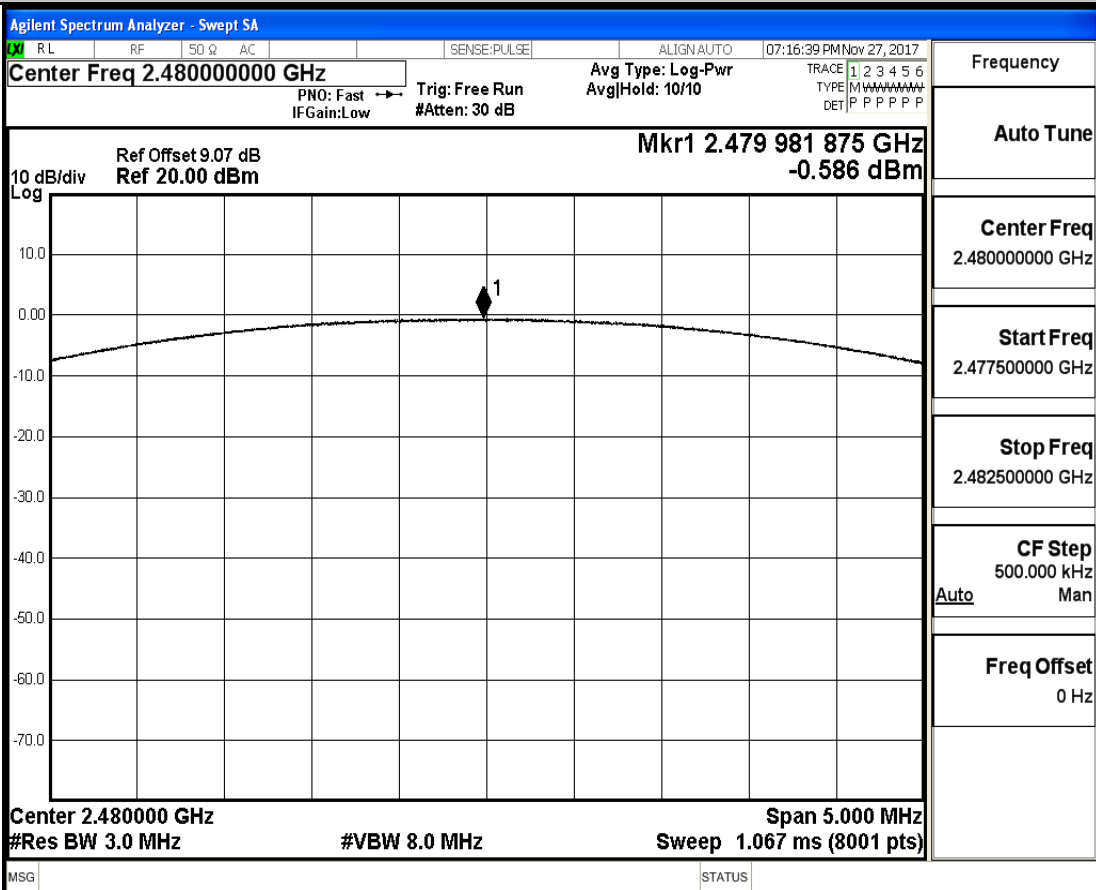


Frequency
Auto Tune
Center Freq 2.40200000 GHz
Start Freq 2.399500000 GHz
Stop Freq 2.404500000 GHz
CF Step 500.000 kHz Auto Man
Freq Offset 0 Hz

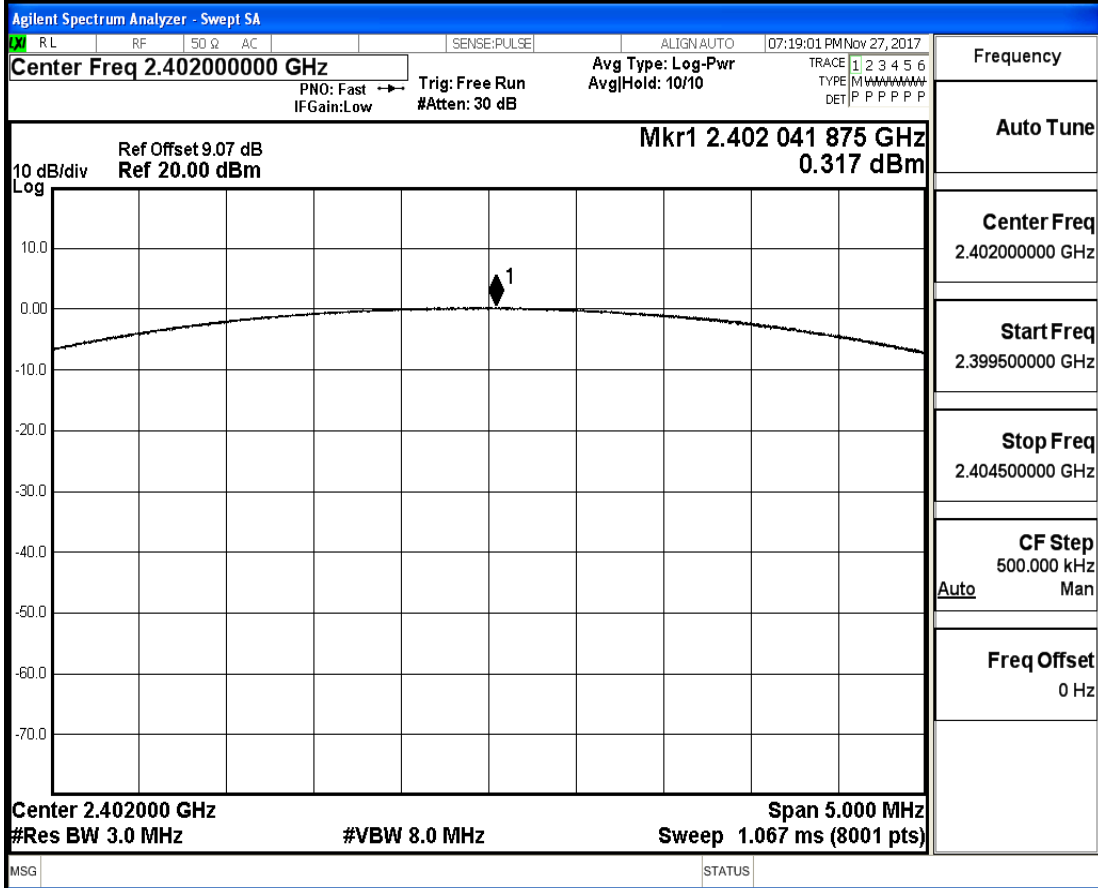
Conducted Peak Output Power\_π/4-DQPSK\_2441



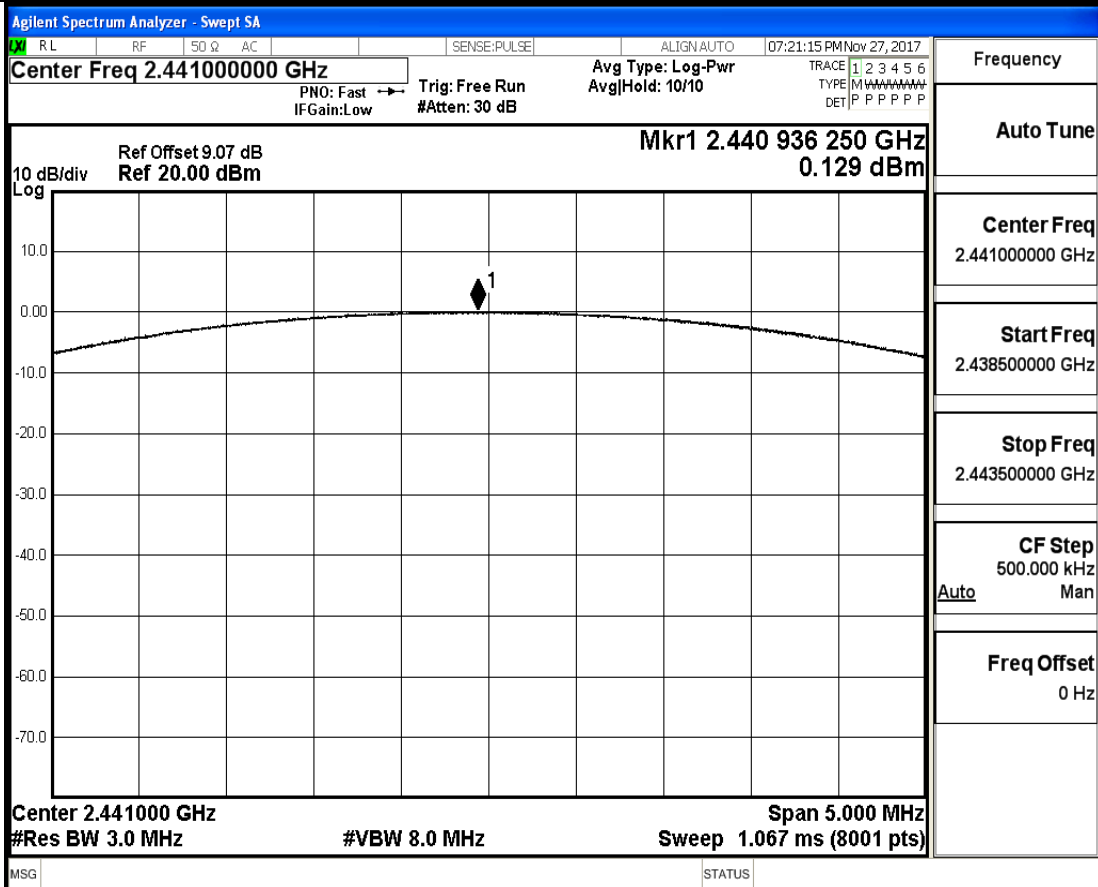
Conducted Peak Output Power\_π/4-DQPSK\_2480



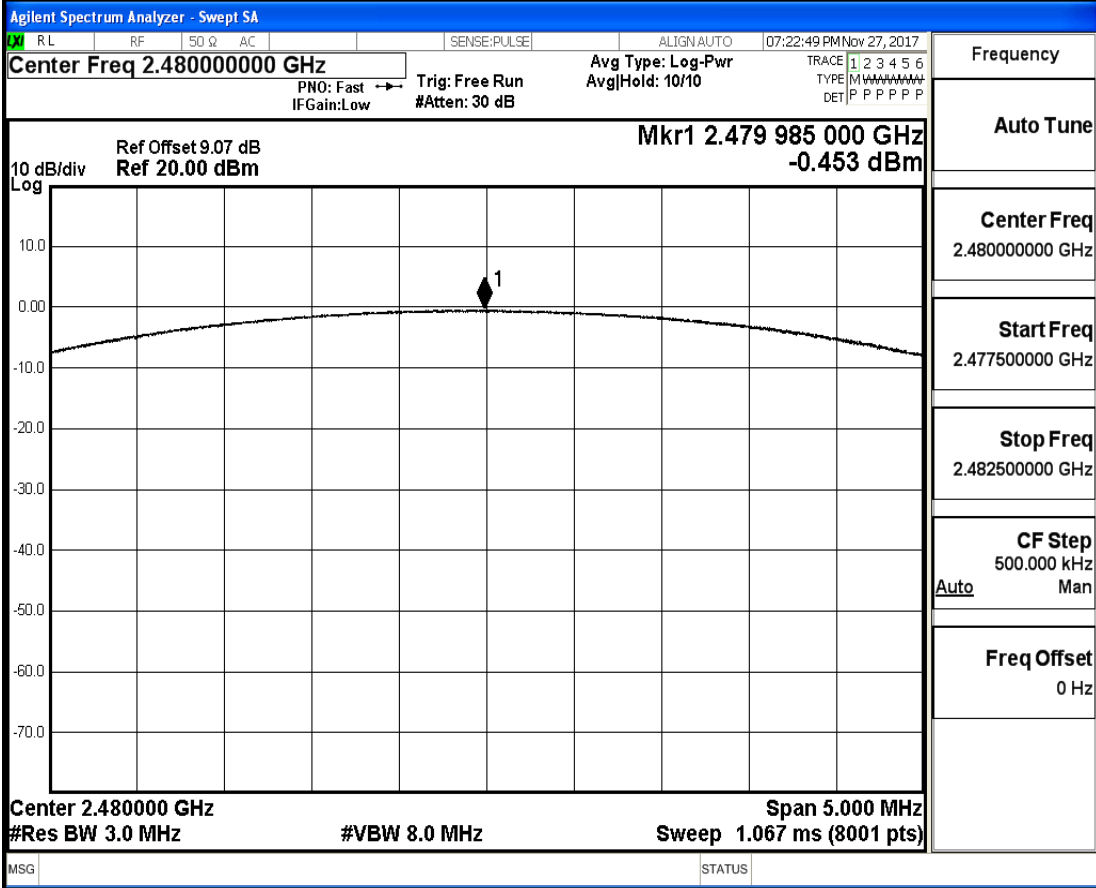
Conducted Peak Output Power\_8-DPSK\_2402



Conducted Peak Output Power\_8-DPSK\_2441



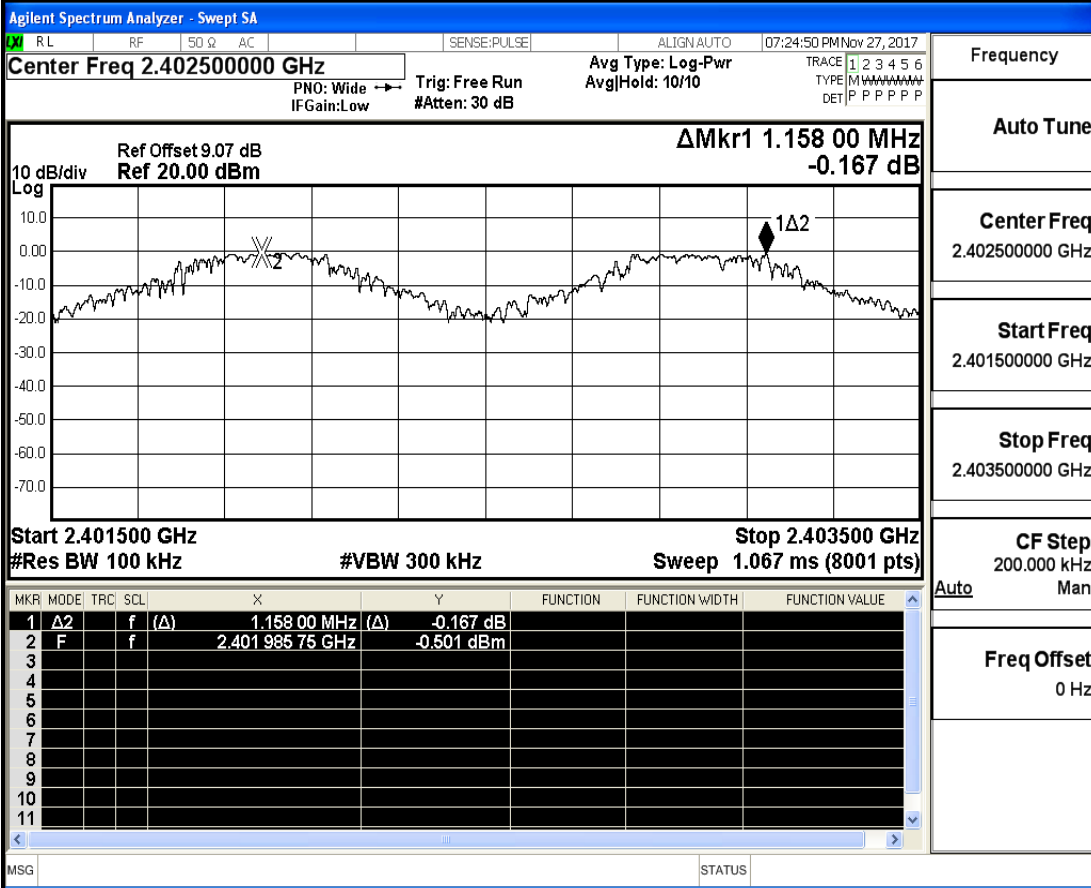
Conducted Peak Output Power\_8-DPSK\_2480



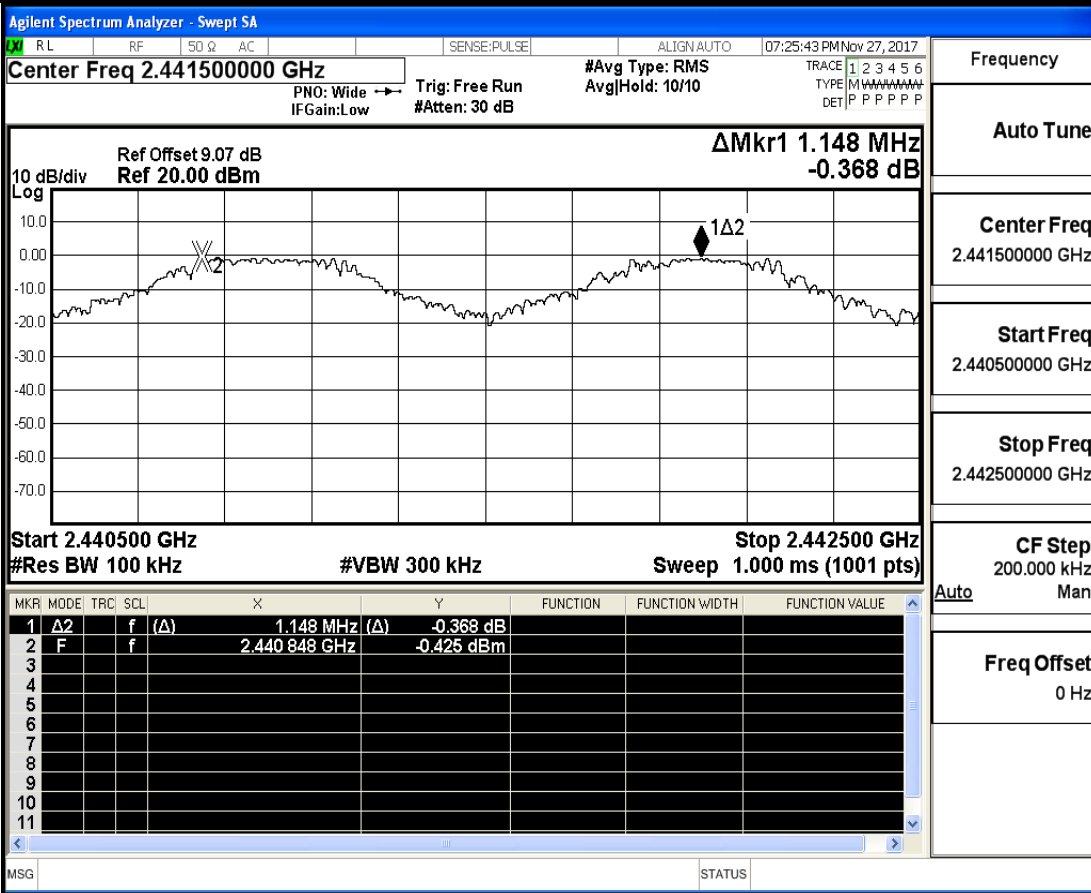
### A.3 Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
GFSK	2402	1.158	0.68	PASS
	2441	1.148	0.69	PASS
	2480	1.028	0.65	PASS
$\pi/4$ -DQPSK	2402	0.958	0.86	PASS
	2441	1.092	0.86	PASS
	2480	1.314	0.86	PASS
8-DPSK	2402	1.29	0.86	PASS
	2441	1.212	0.86	PASS
	2480	0.86	0.86	PASS

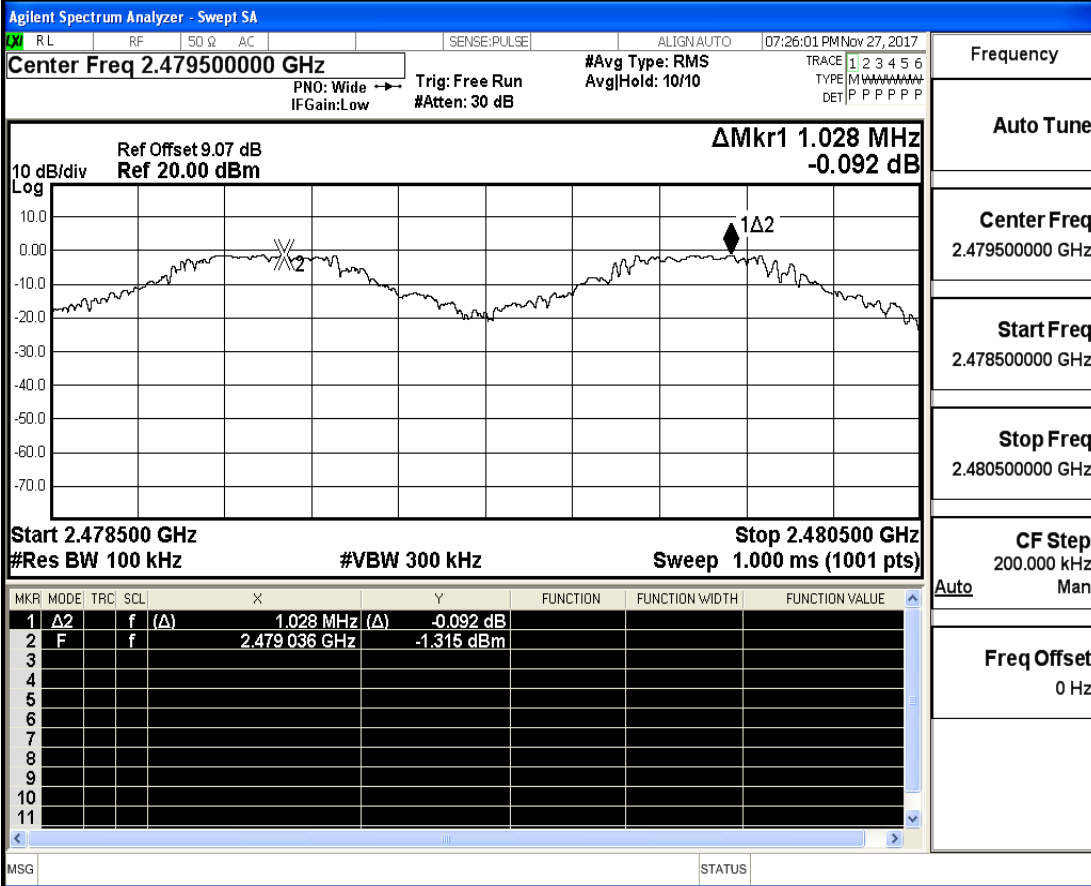
Carrier Frequency Separation\_GFSK\_2402



Carrier Frequency Separation\_GFSK\_2441

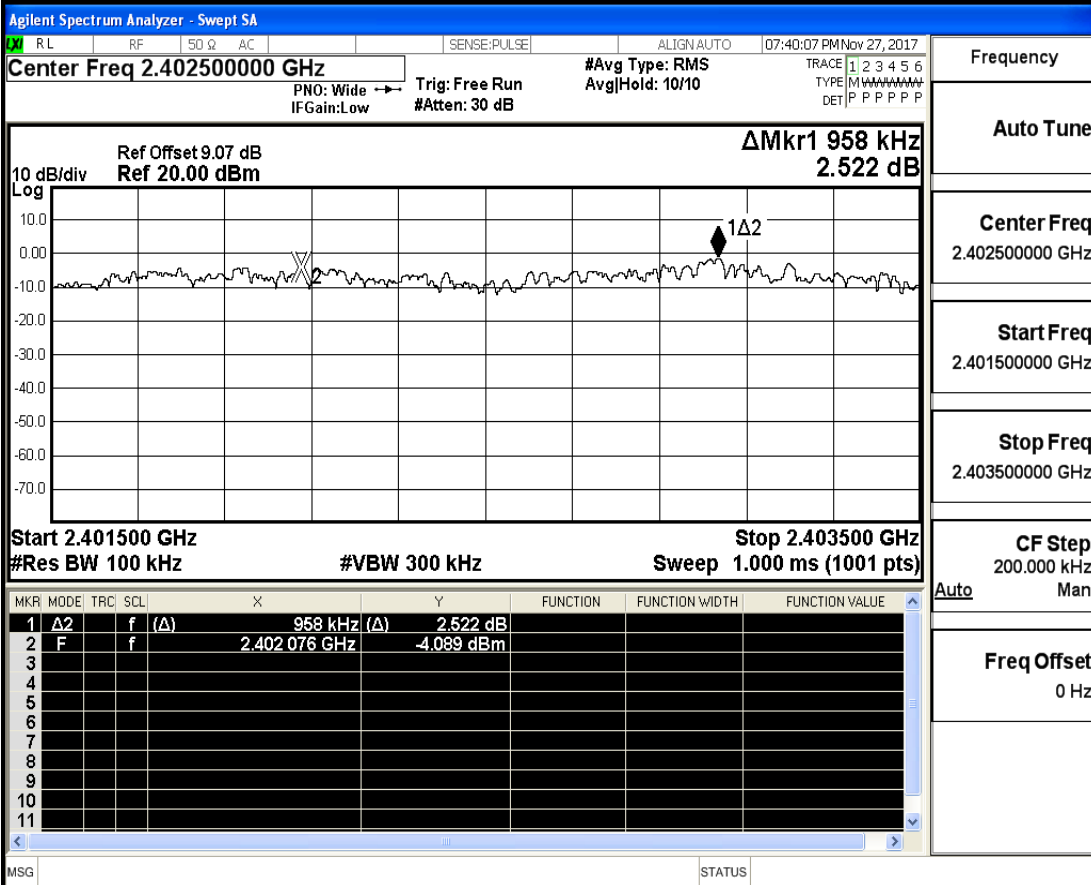


### Carrier Frequency Separation\_GFSK\_2480



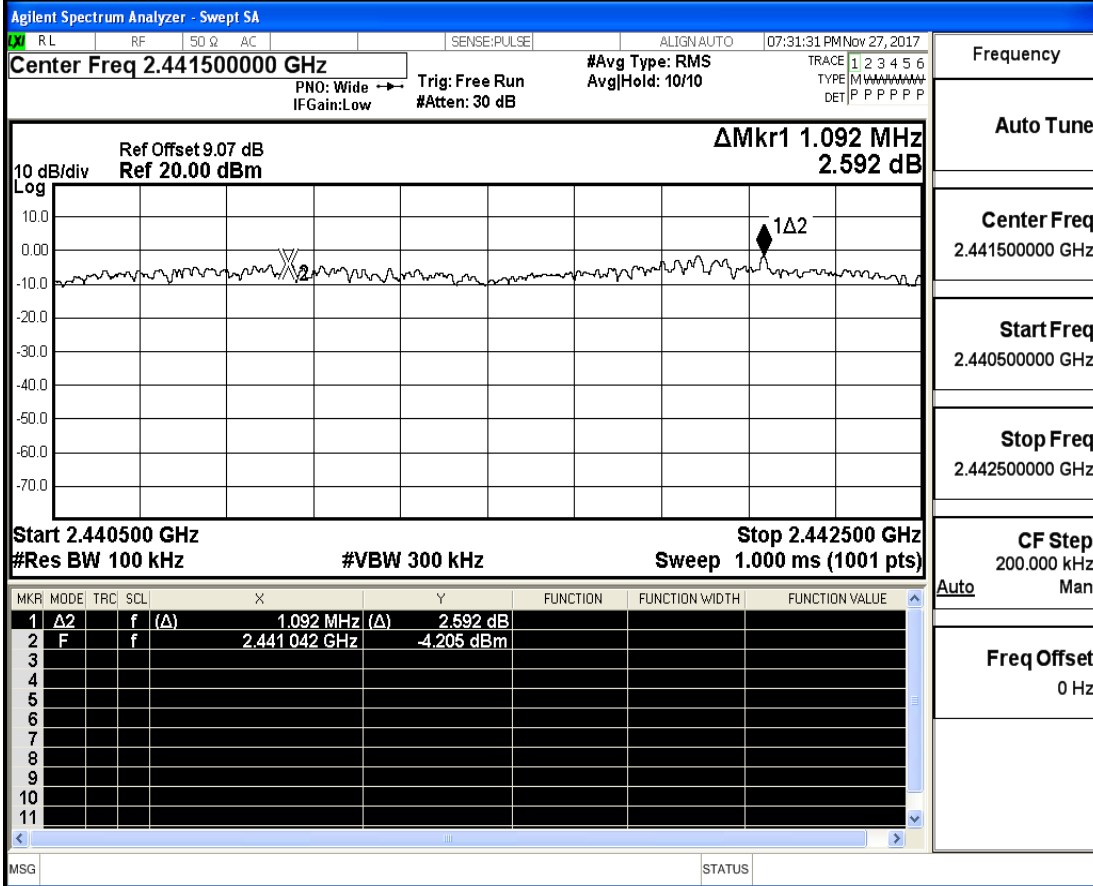
Frequency
Auto Tune
Center Freq 2.479500000 GHz
Start Freq 2.478500000 GHz
Stop Freq 2.480500000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

### Carrier Frequency Separation\_ $\pi/4$ -DQPSK\_2402



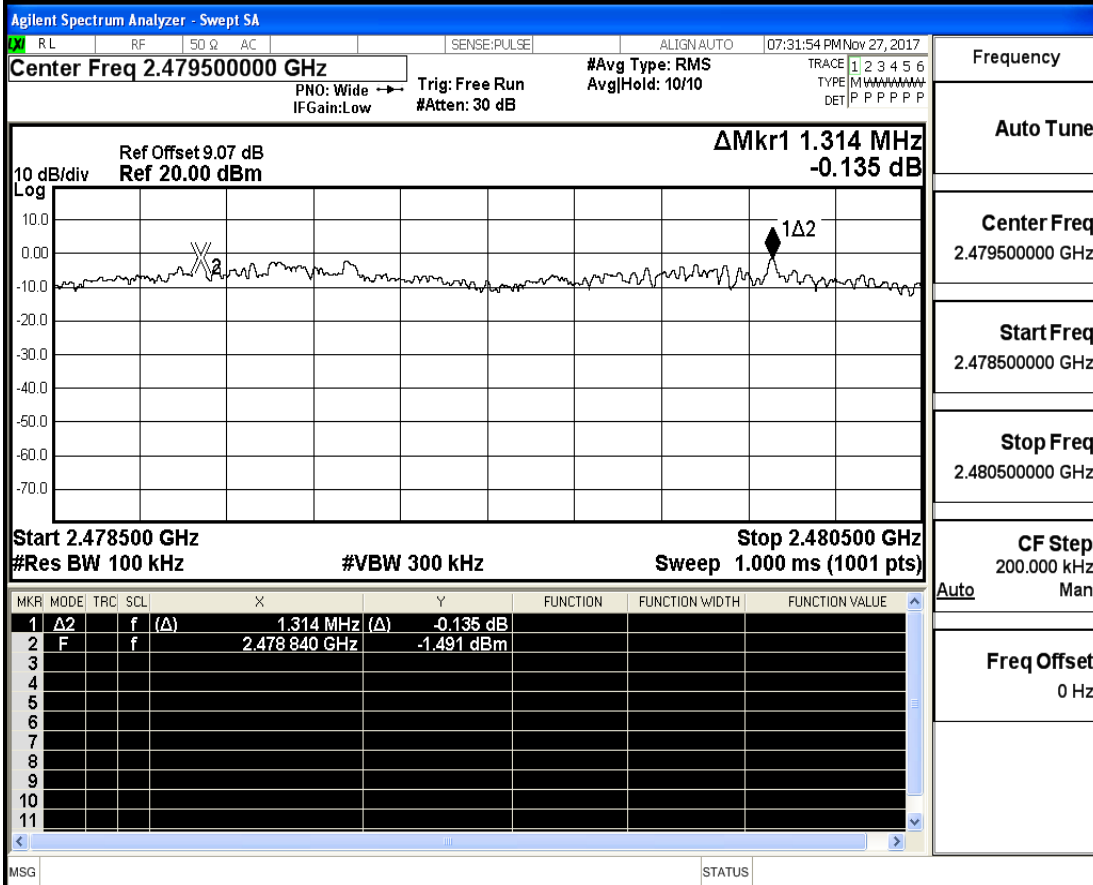
Frequency
Auto Tune
Center Freq 2.402500000 GHz
Start Freq 2.401500000 GHz
Stop Freq 2.403500000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

### Carrier Frequency Separation\_π/4-DQPSK\_2441



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

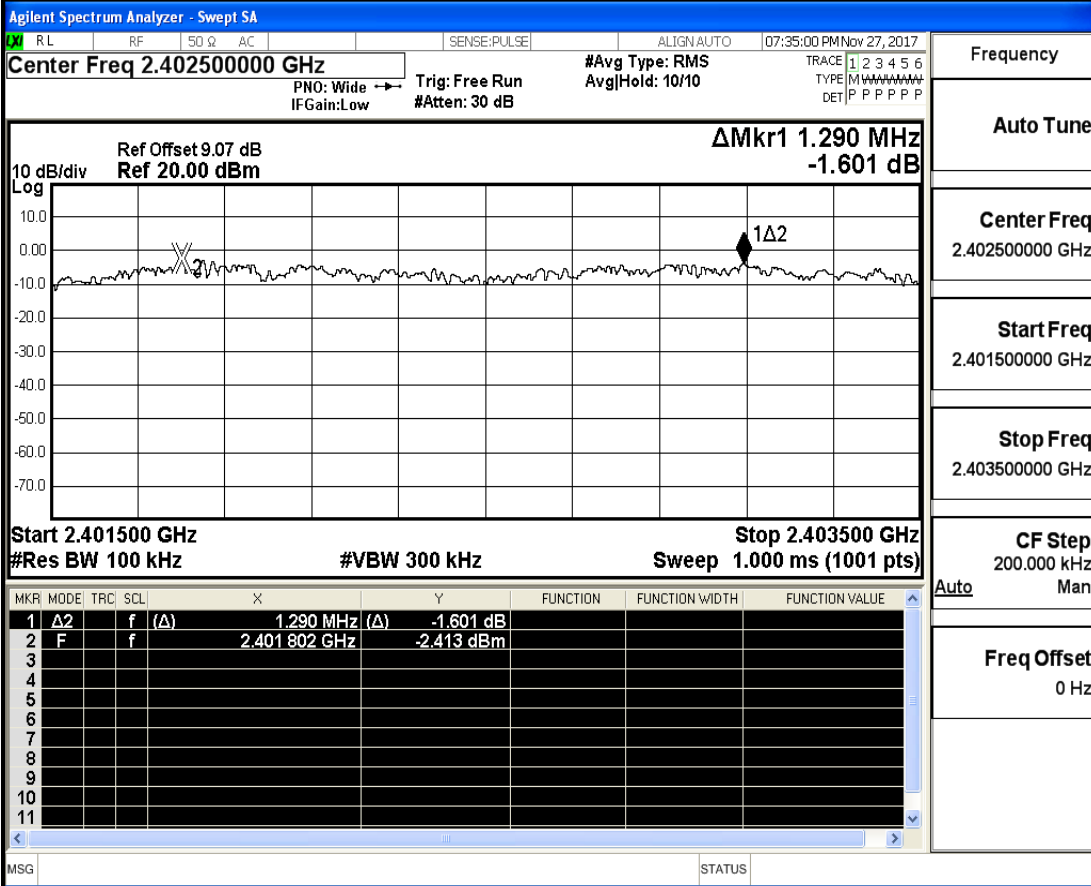
### Carrier Frequency Separation\_π/4-DQPSK\_2480



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

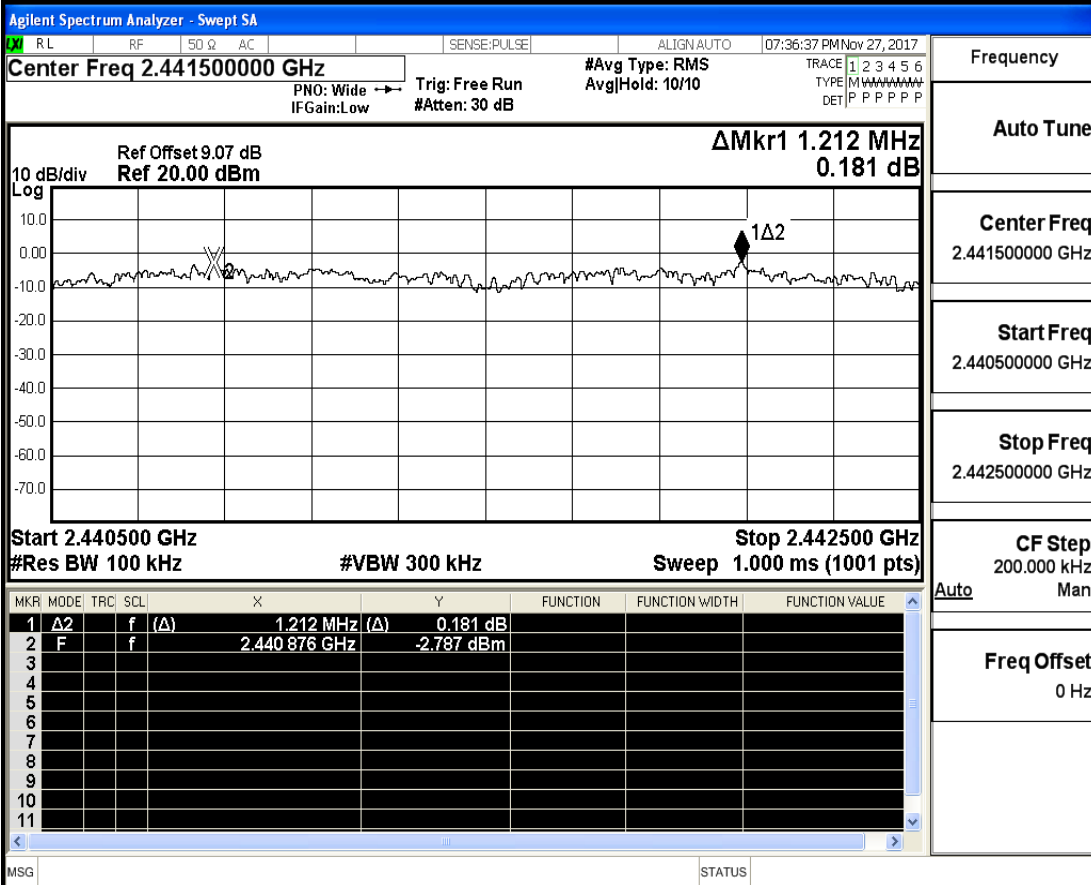


### Carrier Frequency Separation\_8-DPSK\_2402



Frequency
Auto Tune
Center Freq 2.40250000 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



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

# Carrier Frequency Separation\_8-DPSK\_2480

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE ALIGN AUTO 07:37:00 PM Nov 27, 2017

**Center Freq 2.479500000 GHz**

PNO: Wide → Trig: Free Run #Atten: 30 dB  
IFGain:Low

#Avg Type: RMS AvgHold: 10/10

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

10 dB/div  
Log
Ref Offset 9.07 dB  
Ref 20.00 dBm
ΔMkr1 860 kHz  
-0.304 dB

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

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	f	(Δ)	860 kHz (Δ)	-0.304 dB			
2	F	f		2.479 134 GHz	-1.886 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG STATUS

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

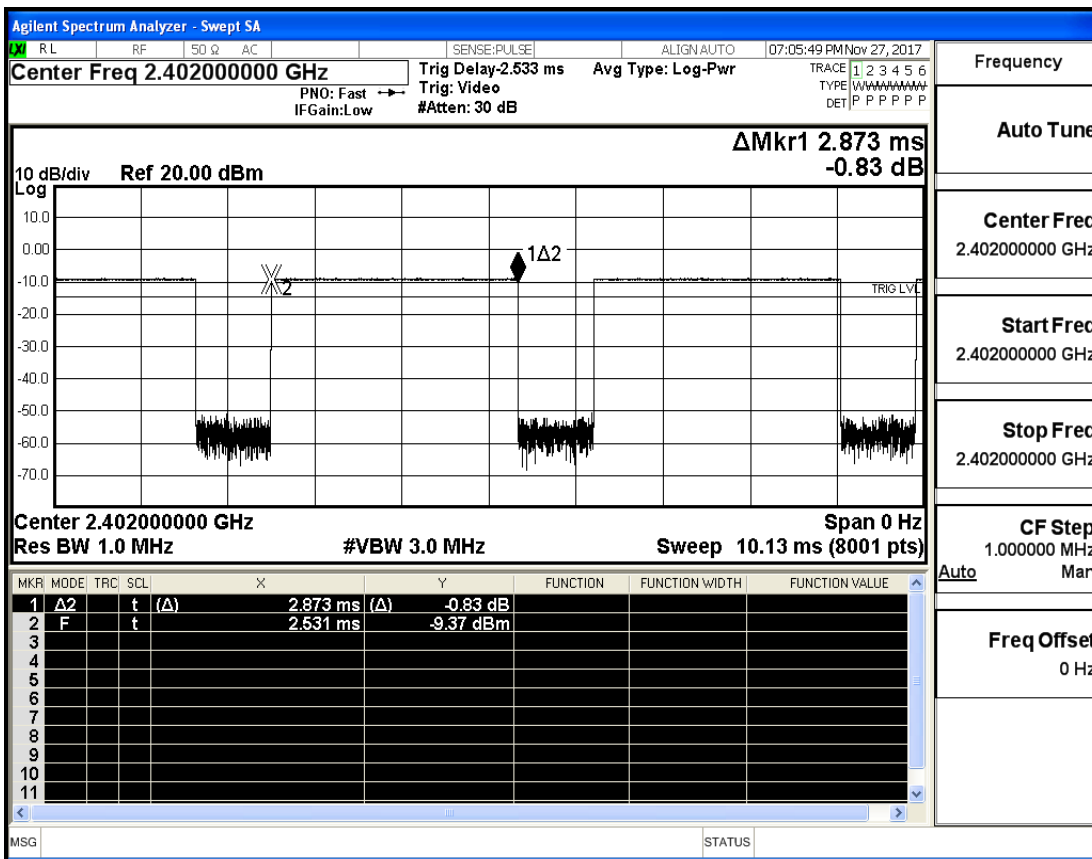
---

Freq Offset  
0 Hz

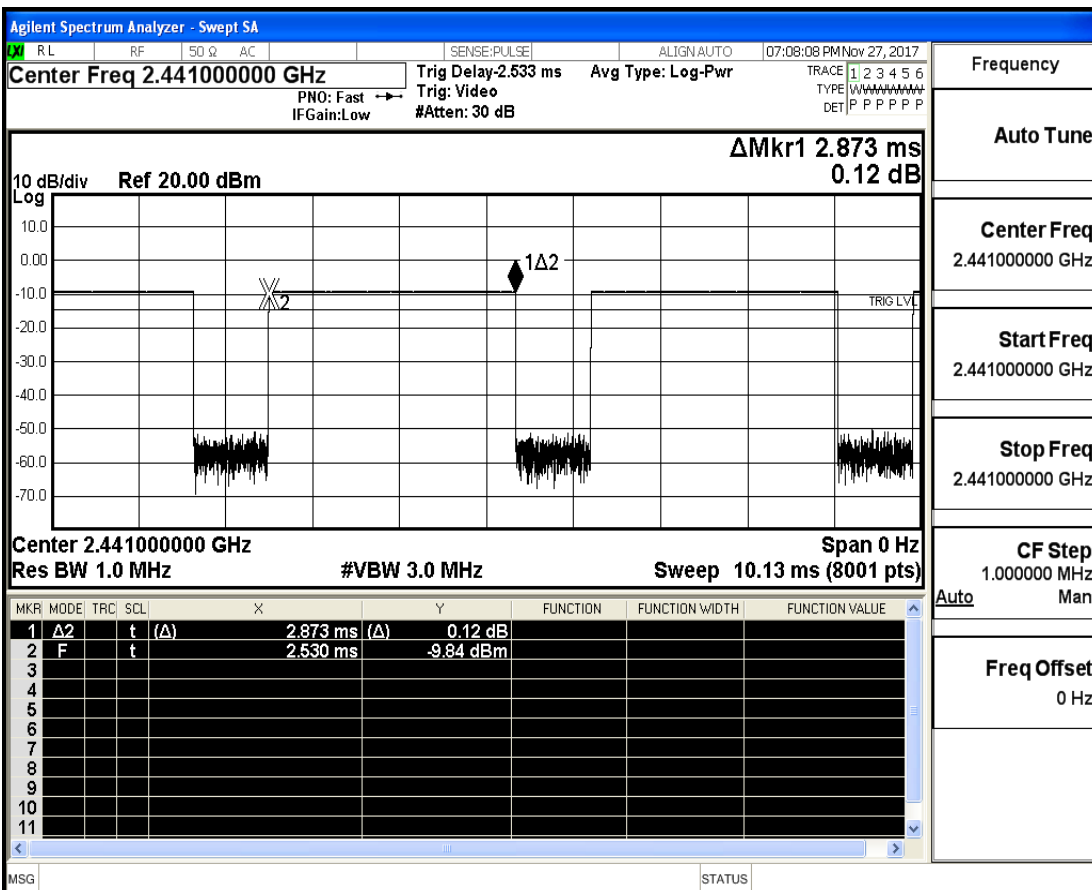
#### A.4 Dwell Time

Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
GFSK	2402	2.87	106.7	0.306	0.4	PASS
	2441	2.87	106.7	0.306	0.4	PASS
	2480	2.87	106.7	0.306	0.4	PASS
$\pi/4$ -DQPSK	2402	2.88	106.7	0.307	0.4	PASS
	2441	2.88	106.7	0.307	0.4	PASS
	2480	2.88	106.7	0.307	0.4	PASS
8-DPSK	2402	2.88	106.7	0.307	0.4	PASS
	2441	2.88	106.7	0.307	0.4	PASS
	2480	2.88	106.7	0.307	0.4	PASS

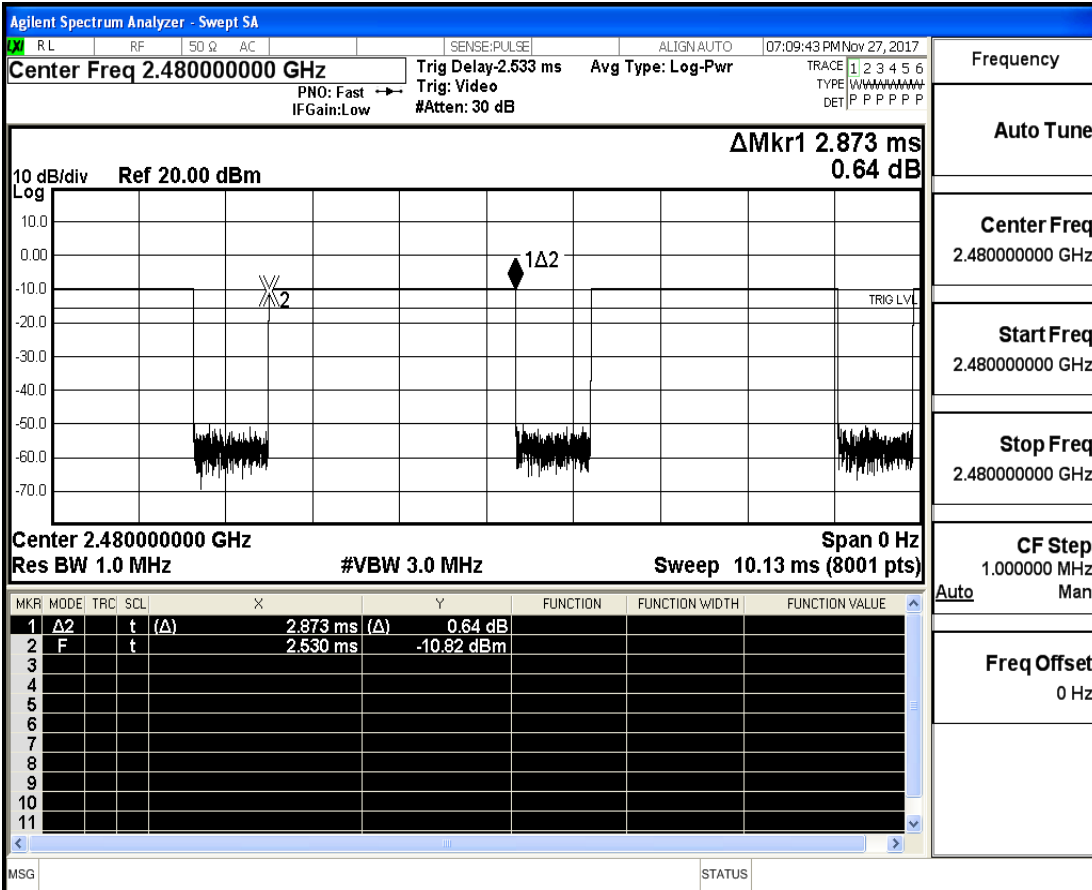
Dwell Time\_GFSK\_2402



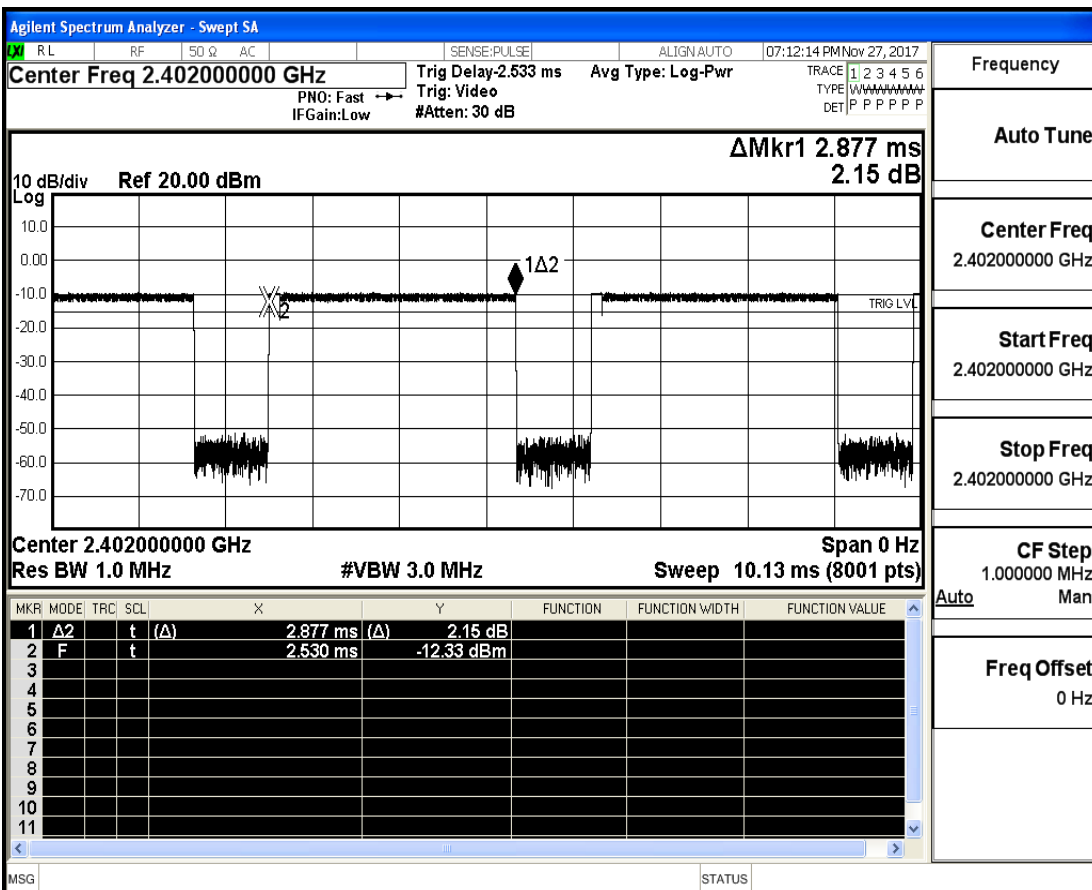
Dwell Time\_GFSK\_2441



Dwell Time\_GFSK\_2480

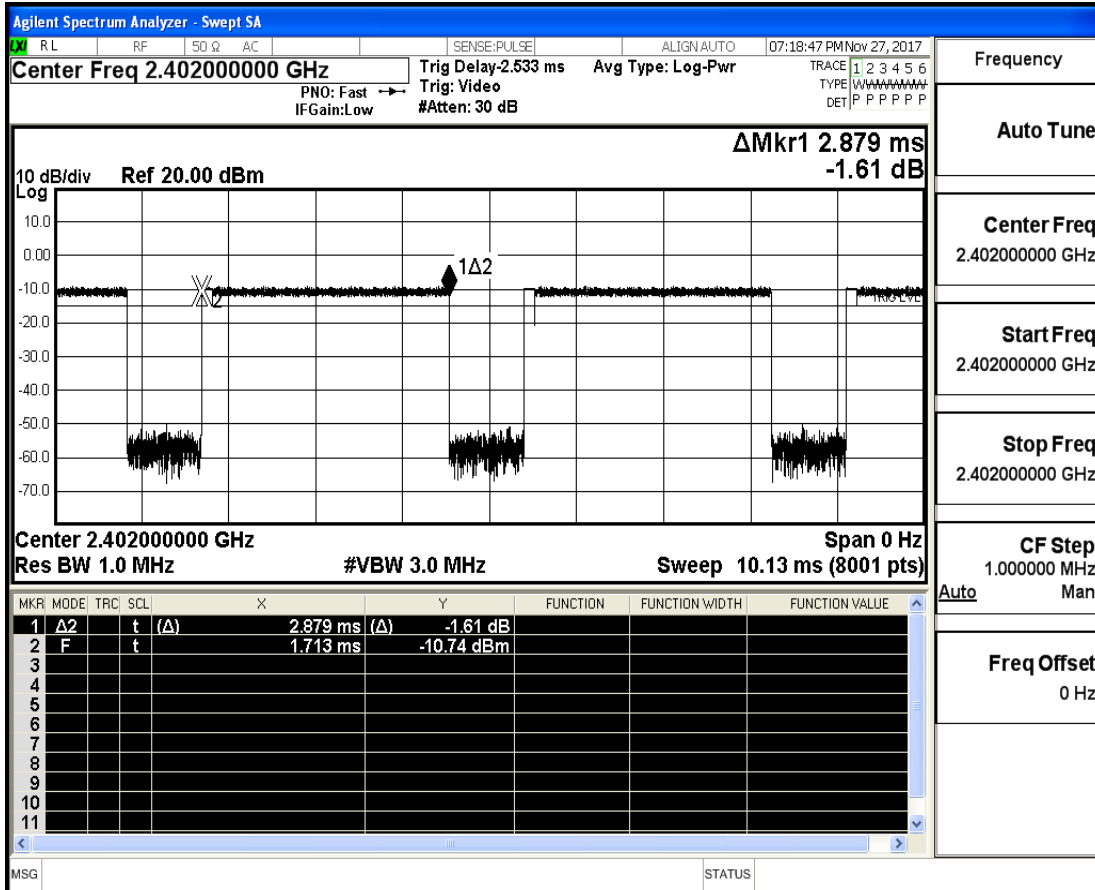


Dwell Time\_π/4-DQPSK\_2402

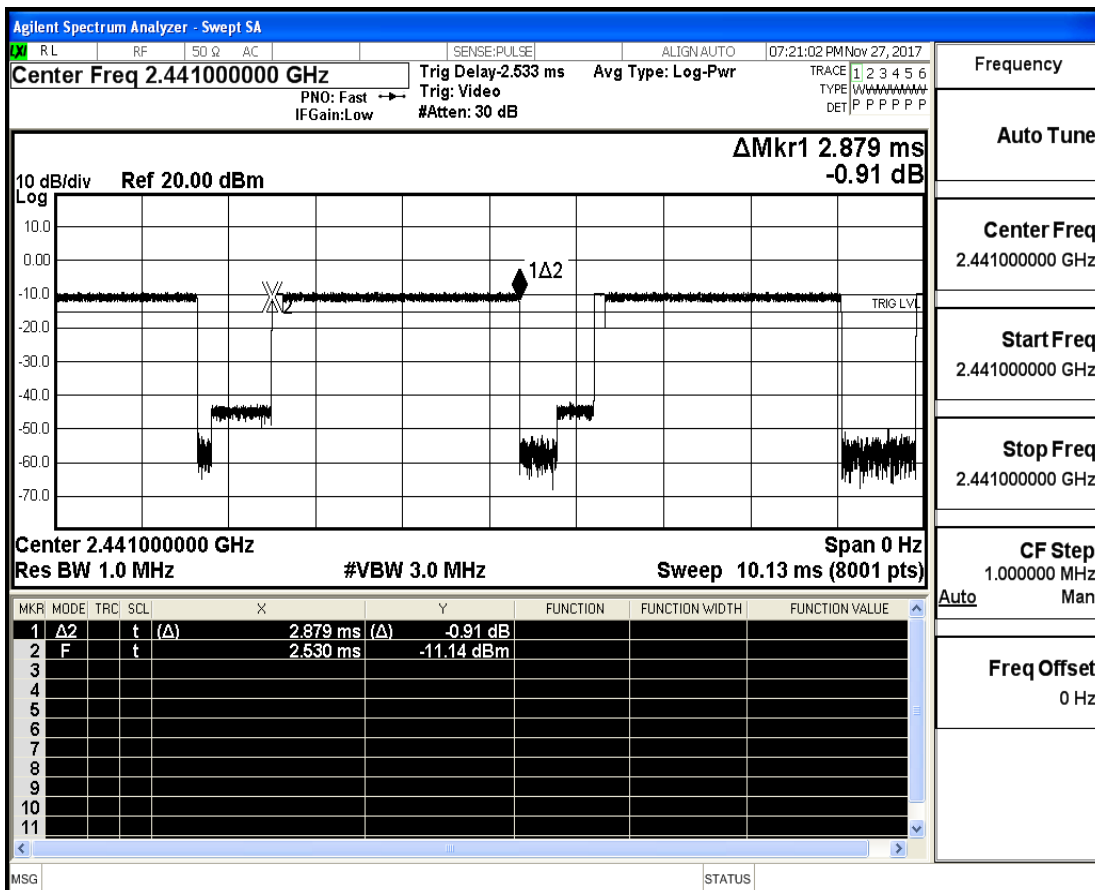




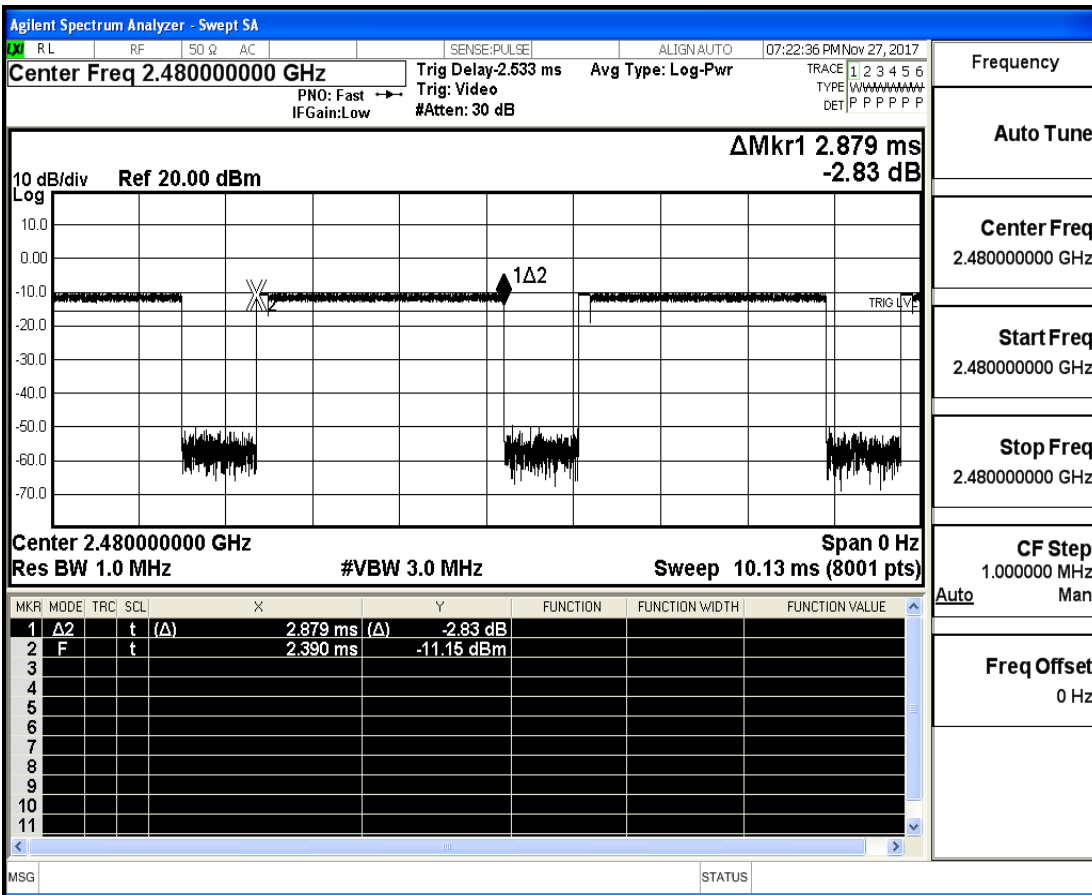
Dwell Time\_8-DPSK\_2402



Dwell Time\_8-DPSK\_2441



Dwell Time\_8-DPSK\_2480



Frequency
Auto Tune
Center Freq 2.480000000 GHz
Start Freq 2.480000000 GHz
Stop Freq 2.480000000 GHz
CF Step 1.000000 MHz
Auto Man
Freq Offset 0 Hz



### A.5 Hopping Channel Number

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

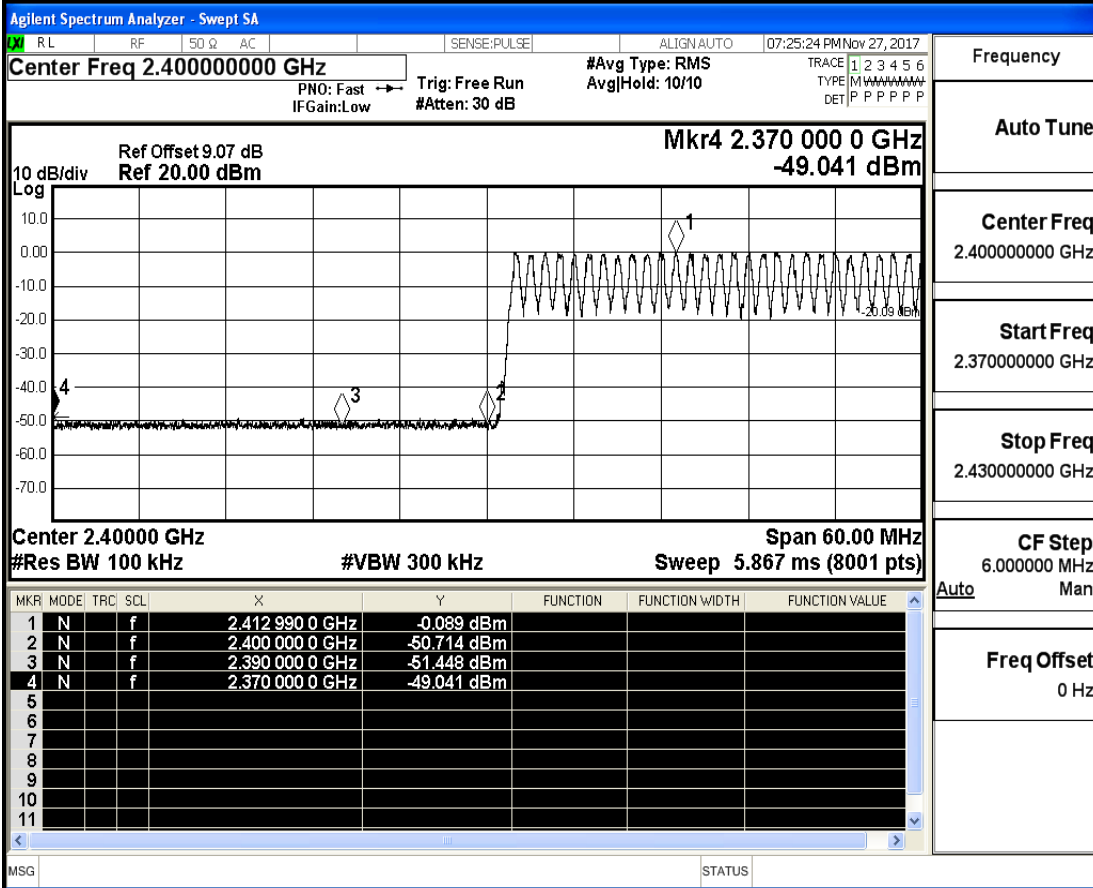




### A.6 Band-edge for RF Conducted Emissions

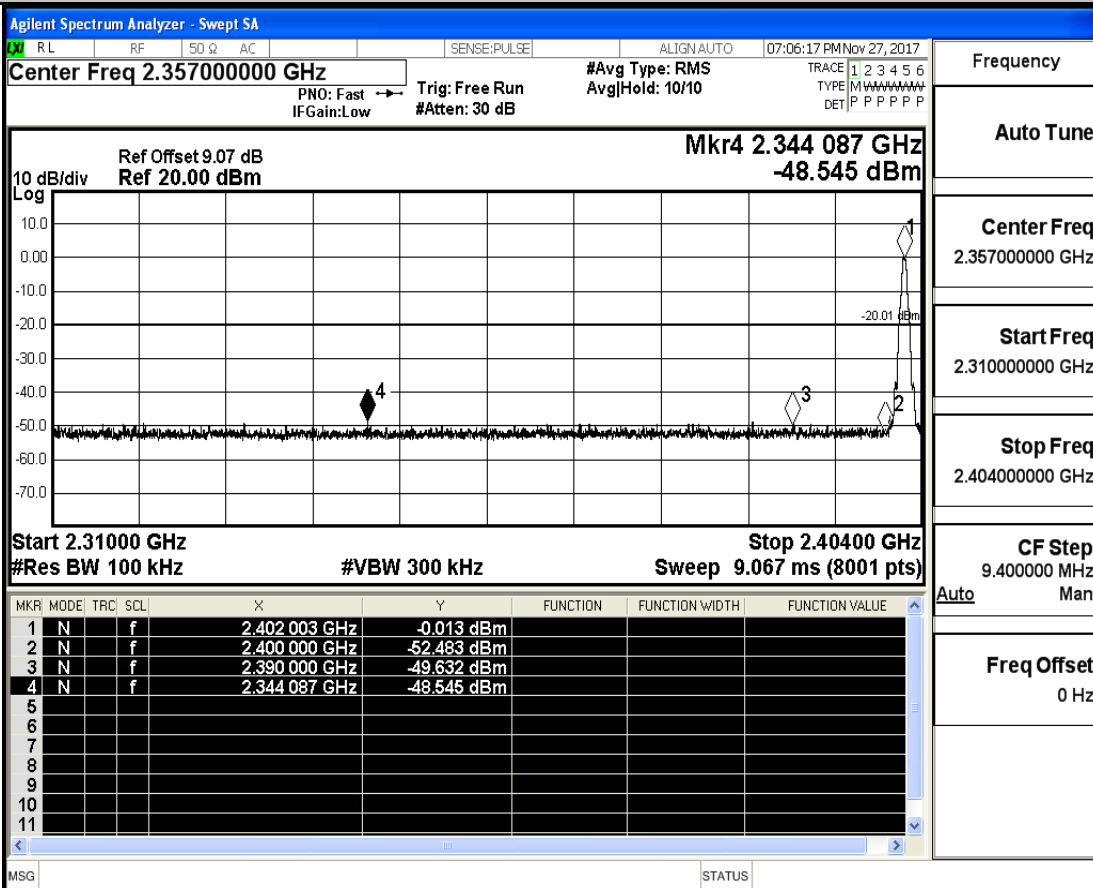
Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
GFSK	2402	On	-0.089	-49.041	-20.09	PASS
	2402	Off	-0.013	-48.545	-20.01	PASS
	2480	On	-0.467	-48.498	-20.47	PASS
	2480	Off	-0.623	-49.335	-20.62	PASS
$\pi/4$ -DQPSK	2402	On	-0.645	-47.771	-20.65	PASS
	2402	Off	-0.663	-48.584	-20.66	PASS
	2480	On	-1.166	-47.700	-21.17	PASS
	2480	Off	-1.523	-48.620	-21.52	PASS
8-DPSK	2402	On	-0.552	-48.417	-20.55	PASS
	2402	Off	-0.880	-49.387	-20.88	PASS
	2480	On	-0.923	-48.375	-20.92	PASS
	2480	Off	-1.444	-48.682	-21.44	PASS

Band-edge for RF Conducted Emissions\_GFSK\_2402\_Hopping On



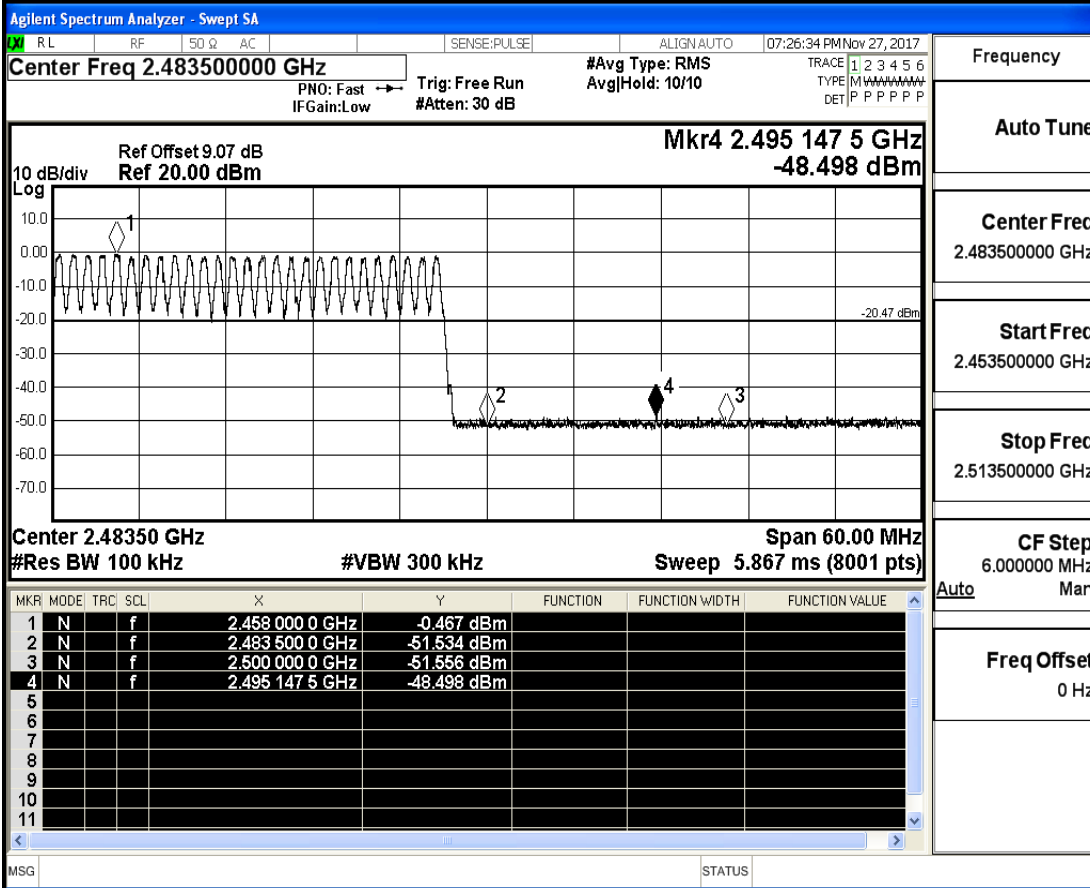
Frequency	
Auto Tune	
Center Freq	2.40000000 GHz
Start Freq	2.37000000 GHz
Stop Freq	2.43000000 GHz
CF Step	6.000000 MHz
Freq Offset	0 Hz

Band-edge for RF Conducted Emissions\_GFSK\_2402\_Hopping Off



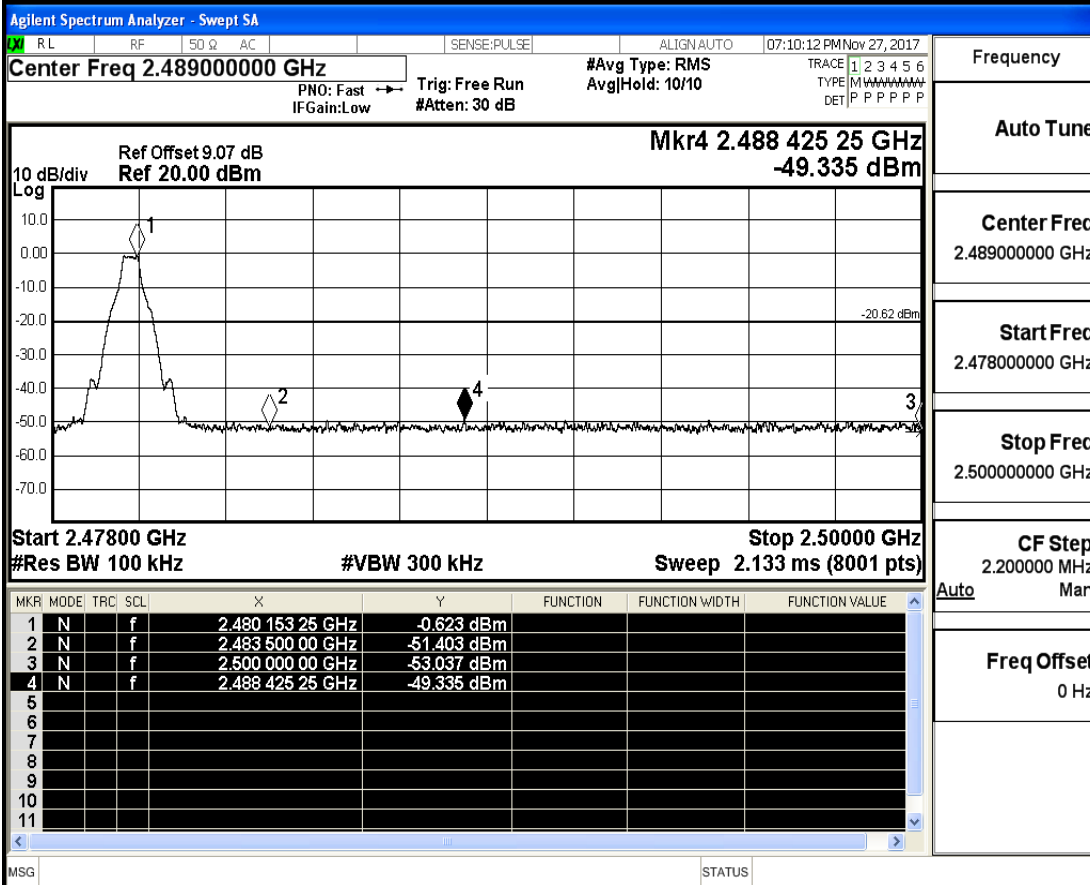
Frequency	
Auto Tune	
Center Freq	2.35700000 GHz
Start Freq	2.31000000 GHz
Stop Freq	2.40400000 GHz
CF Step	9.400000 MHz
Freq Offset	0 Hz

Band-edge for RF Conducted Emissions\_GFSK\_2480\_Hopping On



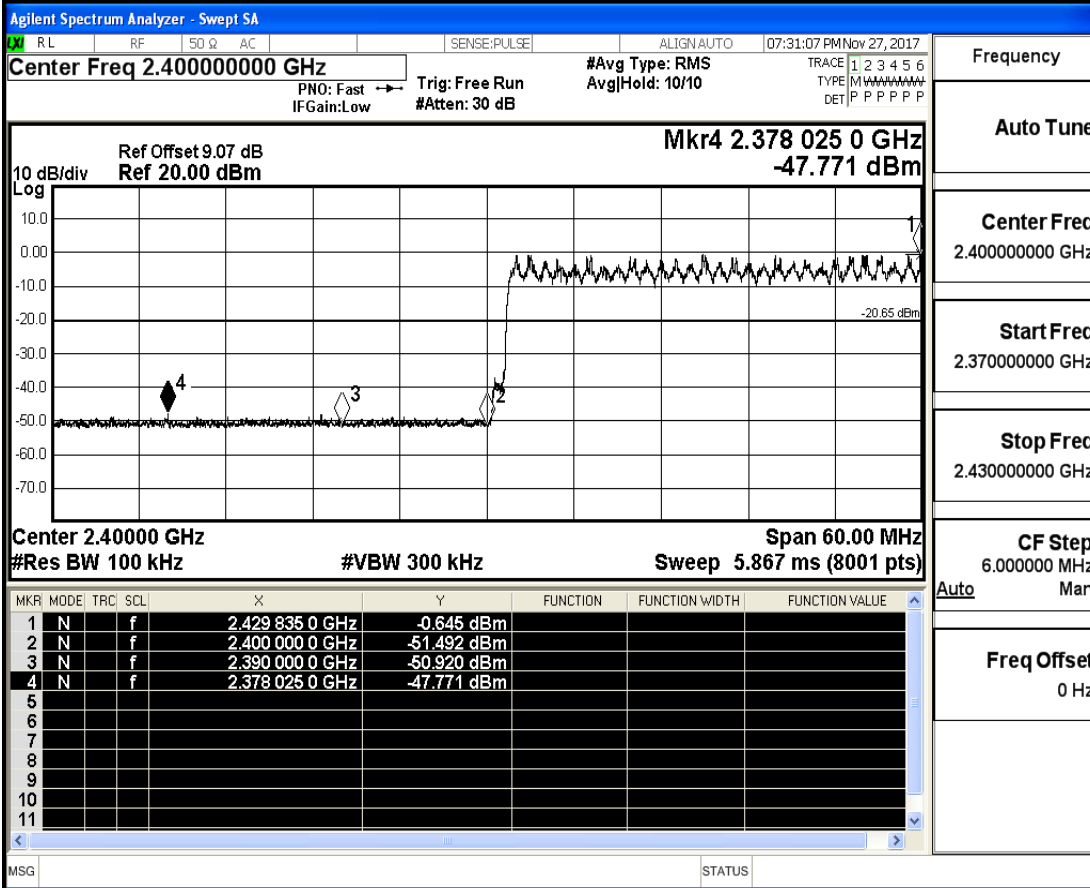
Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.453500000 GHz
Stop Freq 2.513500000 GHz
CF Step 6.000000 MHz Auto Man
Freq Offset 0 Hz

Band-edge for RF Conducted Emissions\_GFSK\_2480\_Hopping Off

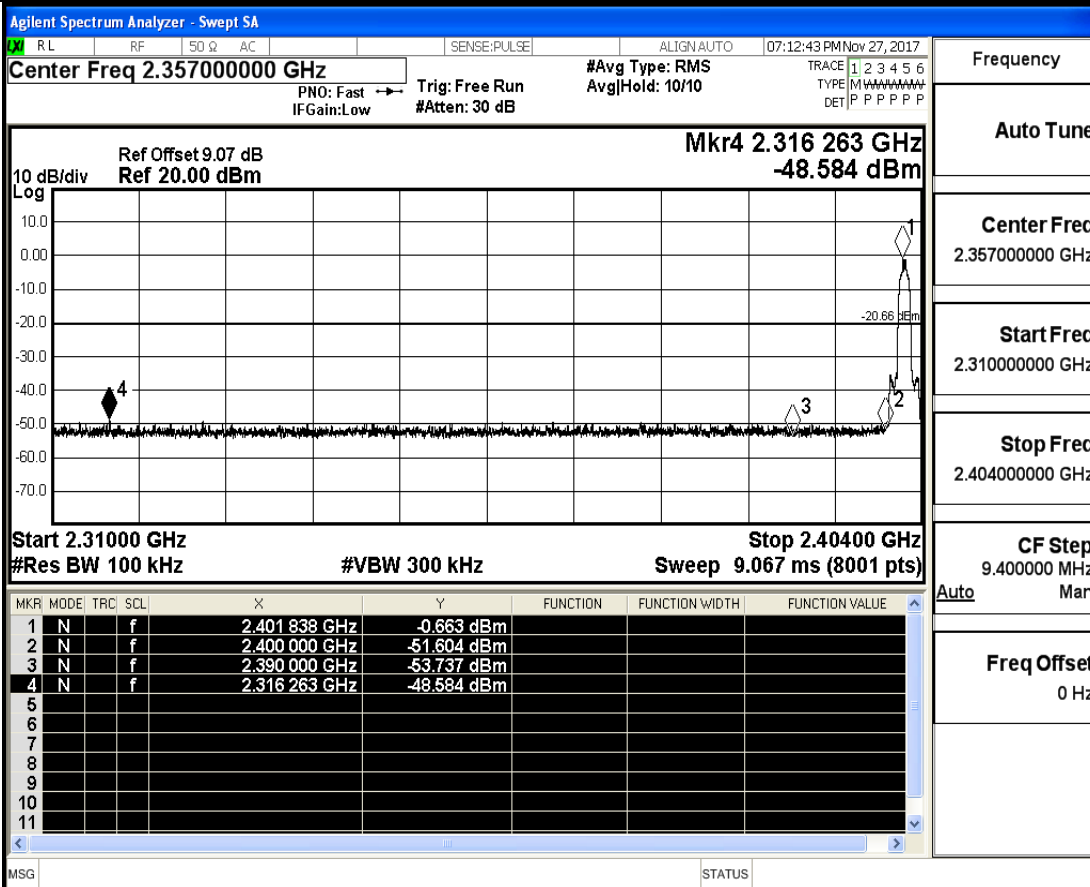


Frequency
Auto Tune
Center Freq 2.489000000 GHz
Start Freq 2.478000000 GHz
Stop Freq 2.500000000 GHz
CF Step 2.200000 MHz Auto Man
Freq Offset 0 Hz

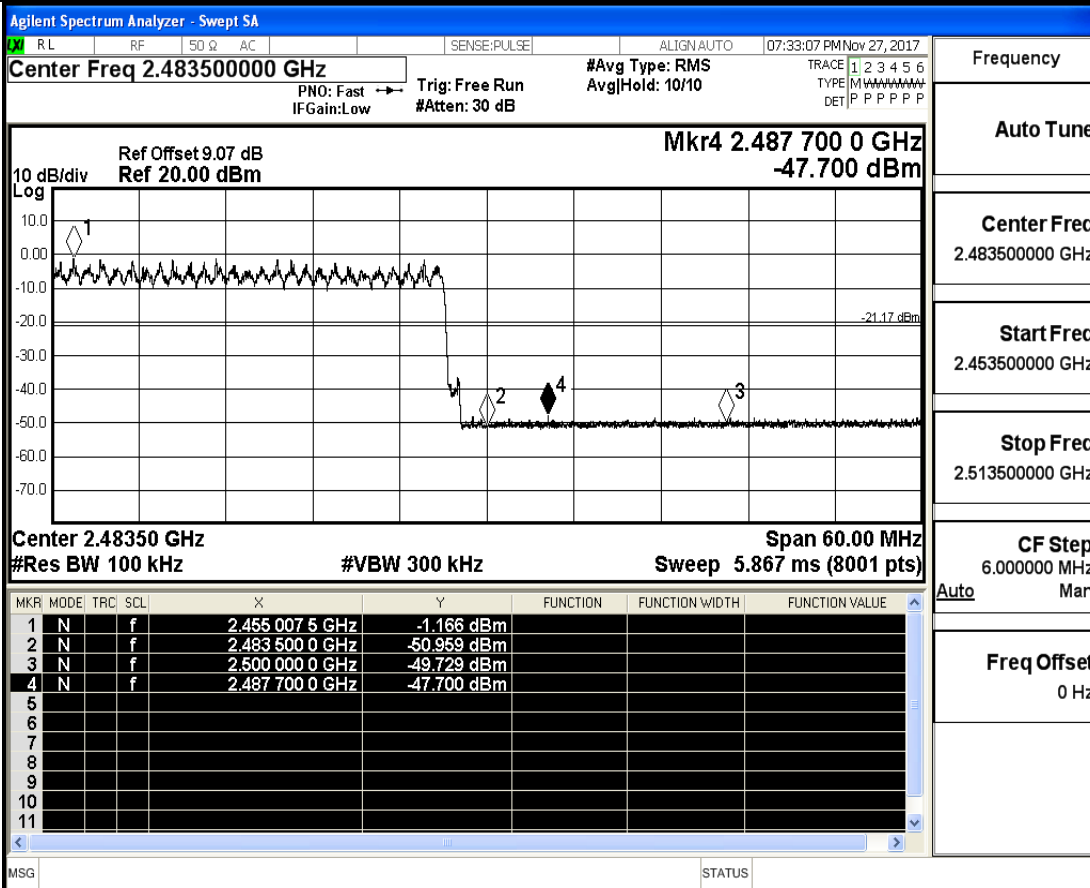
Band-edge for RF Conducted Emissions  $\pi/4$ -DQPSK\_2402\_Hopping On



Band-edge for RF Conducted Emissions  $\pi/4$ -DQPSK\_2402\_Hopping Off

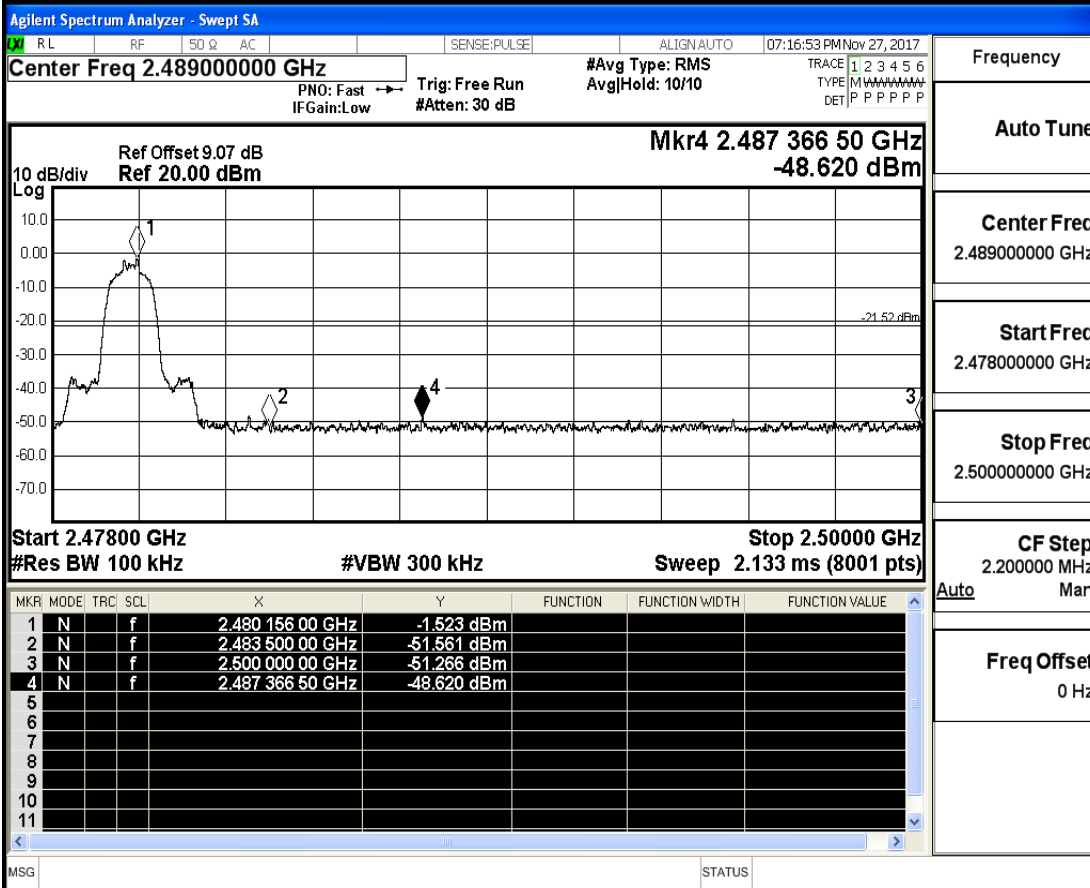


Band-edge for RF Conducted Emissions  $\pi/4$ -DQPSK\_2480\_Hopping On



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

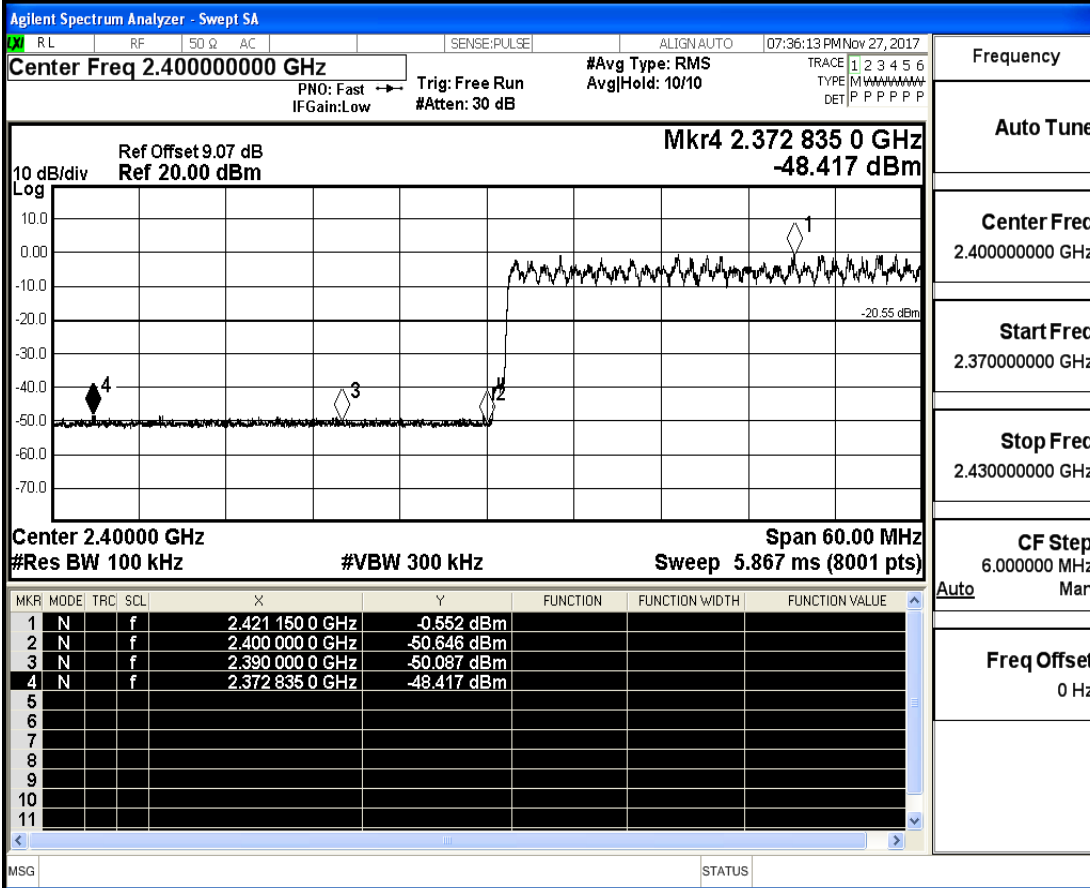
Band-edge for RF Conducted Emissions  $\pi/4$ -DQPSK\_2480\_Hopping Off



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

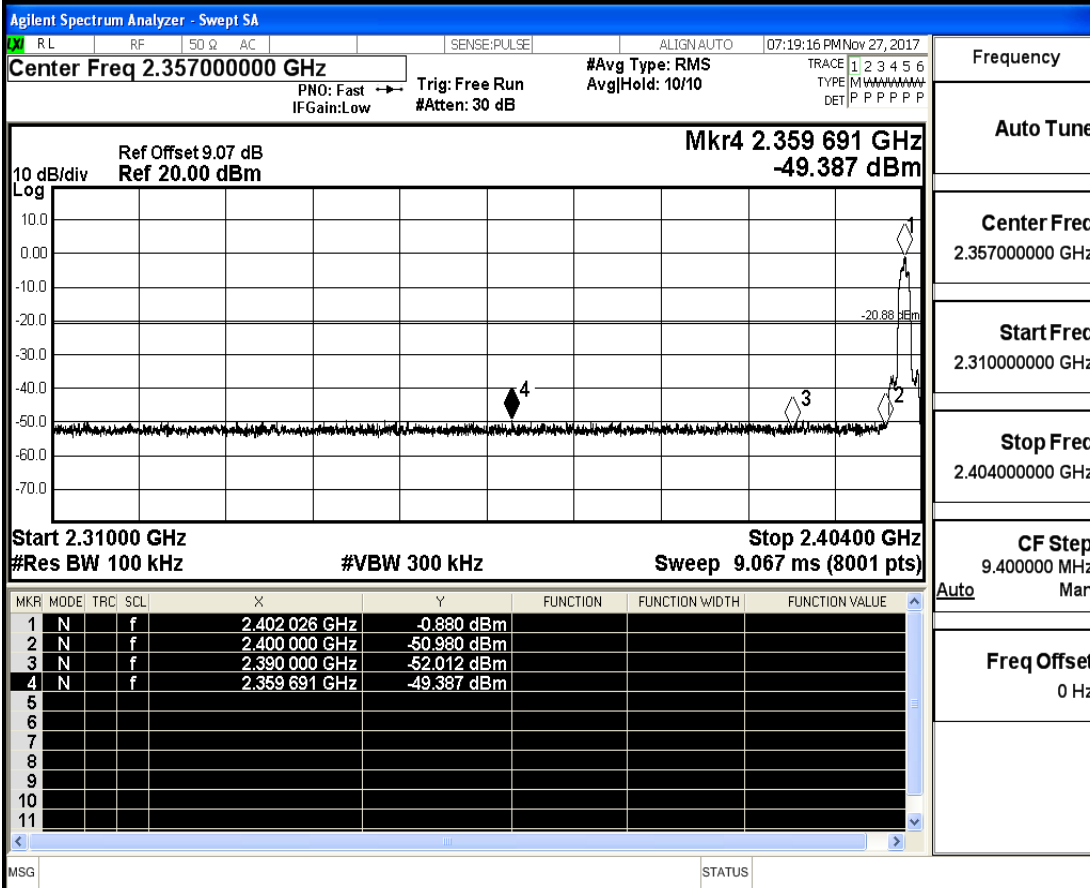


Band-edge for RF Conducted Emissions\_8-DPSK\_2402\_Hopping On



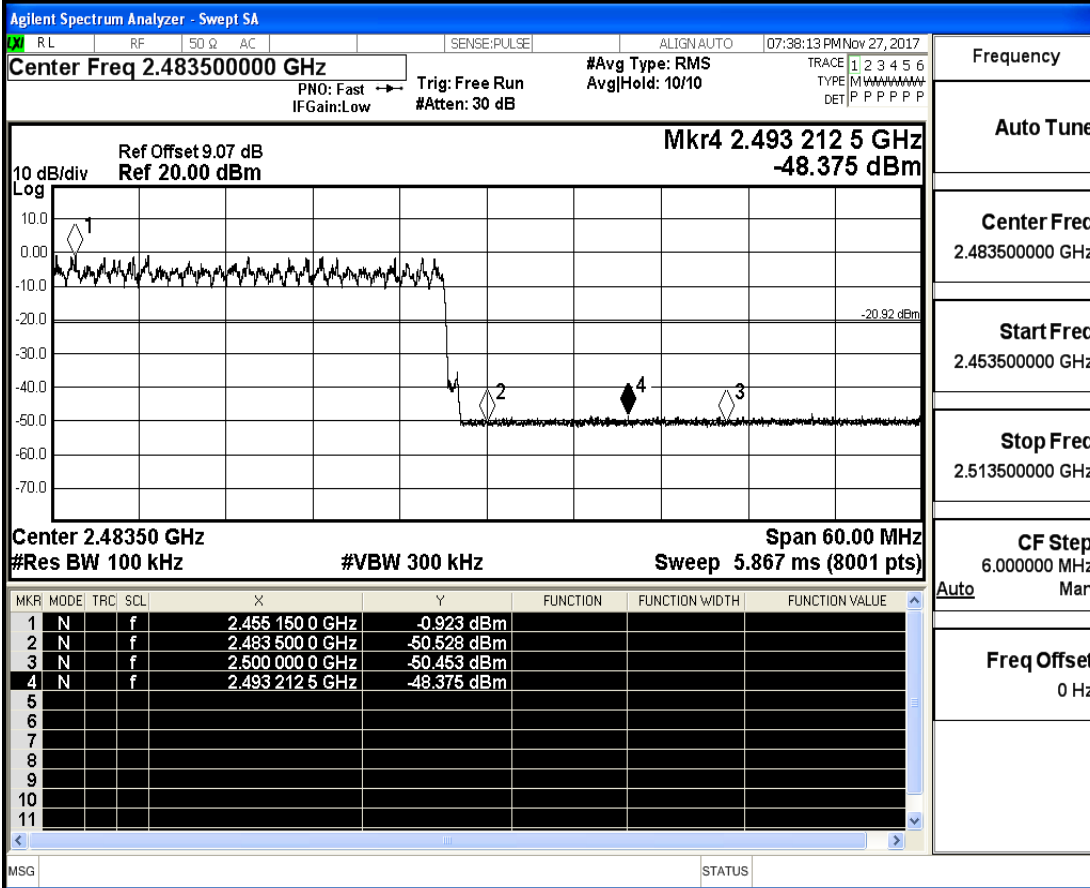
Frequency	
Auto Tune	
Center Freq	2.40000000 GHz
Start Freq	2.37000000 GHz
Stop Freq	2.43000000 GHz
CF Step	6.000000 MHz
Freq Offset	0 Hz

Band-edge for RF Conducted Emissions\_8-DPSK\_2402\_Hopping Off



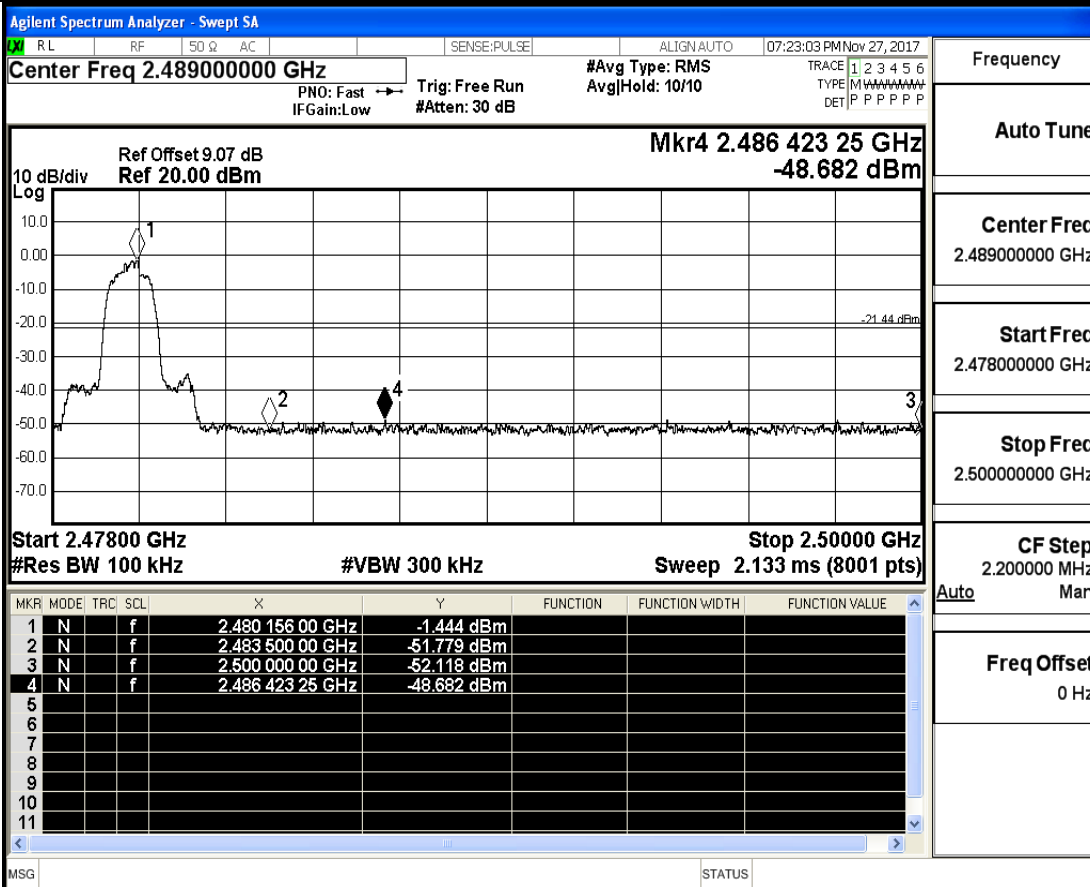
Frequency	
Auto Tune	
Center Freq	2.35700000 GHz
Start Freq	2.31000000 GHz
Stop Freq	2.40400000 GHz
CF Step	9.400000 MHz
Freq Offset	0 Hz

Band-edge for RF Conducted Emissions\_8-DPSK\_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\_8-DPSK\_2480\_Hopping Off

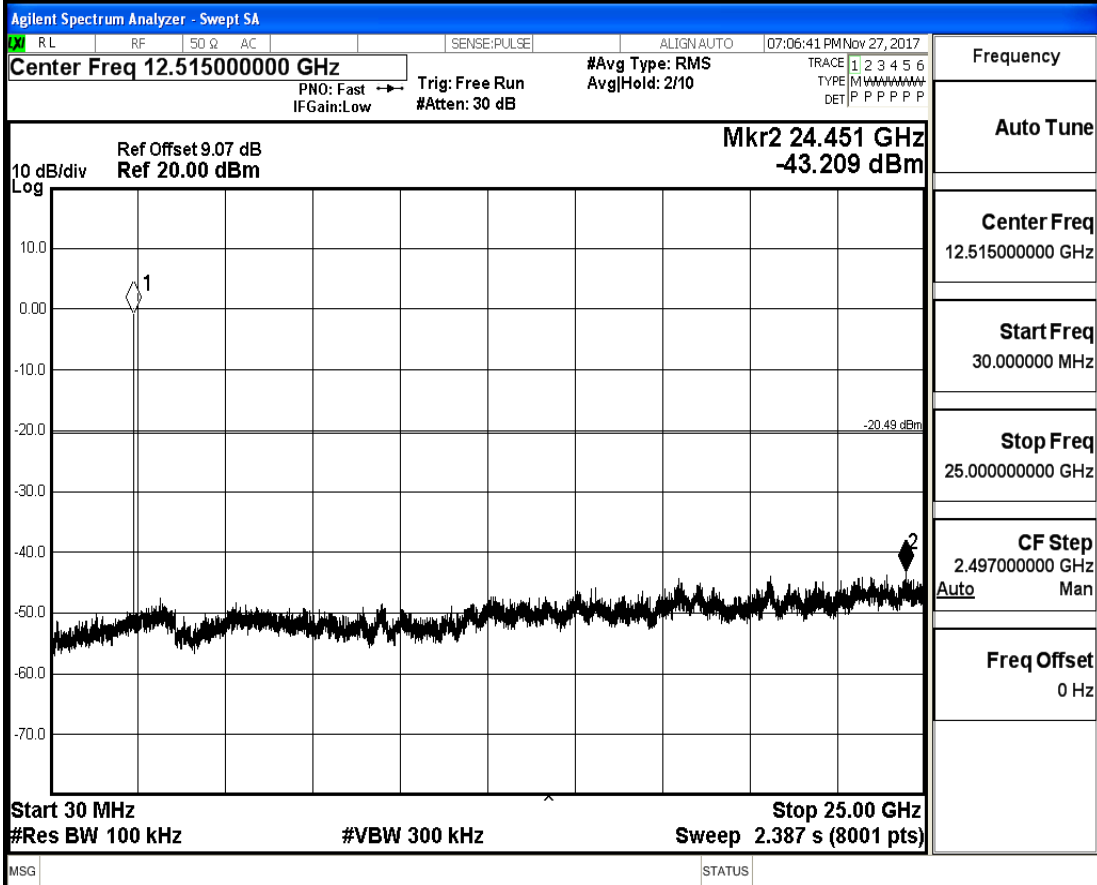
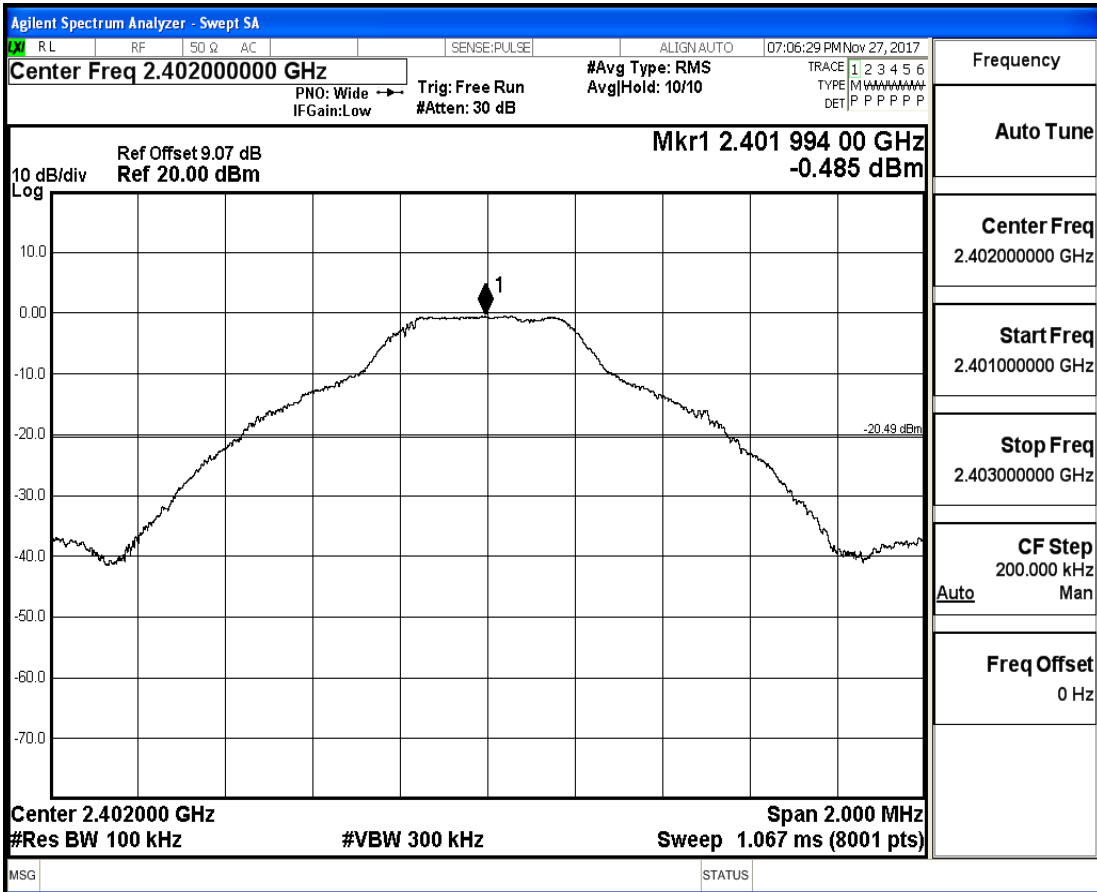


Frequency	
Auto Tune	
Center Freq	2.489000000 GHz
Start Freq	2.478000000 GHz
Stop Freq	2.500000000 GHz
CF Step	2.200000 MHz
Auto	Man
Freq Offset	0 Hz

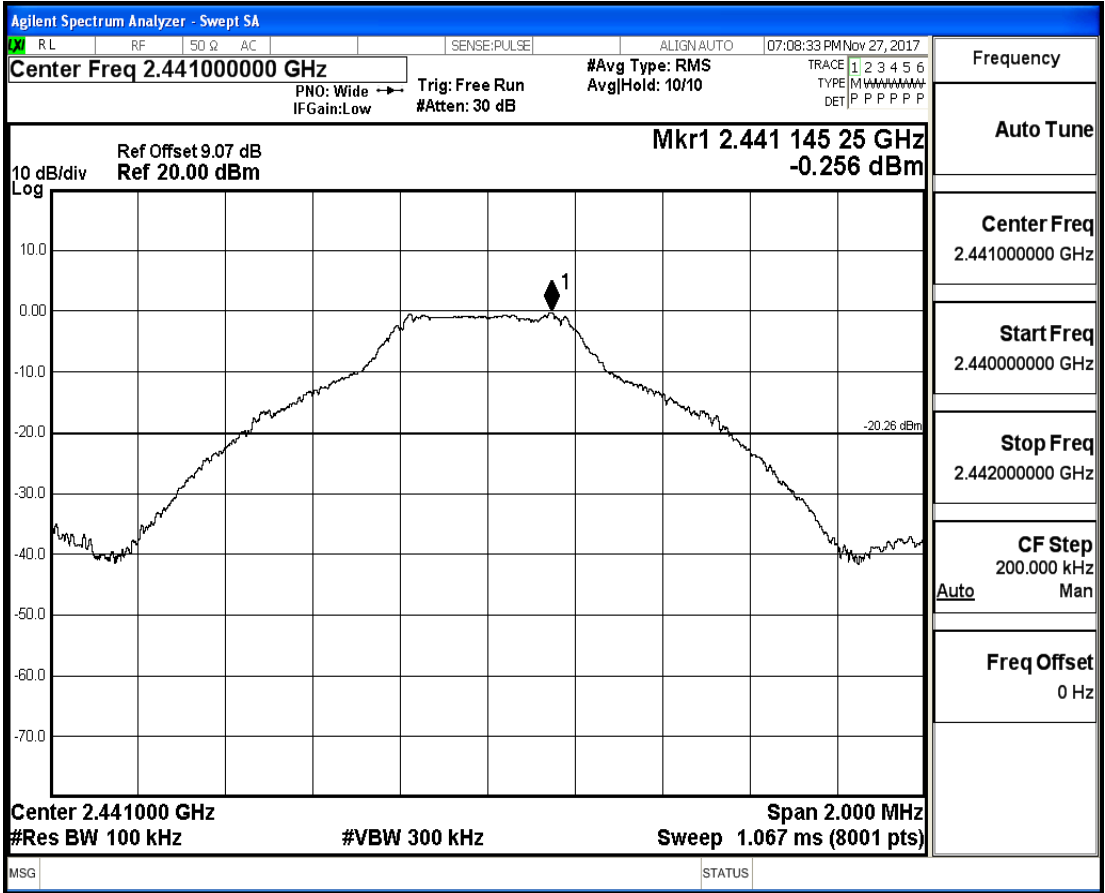
### A.7 RF Conducted Spurious Emissions

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	-0.485	-43.209	<- 20.485	PASS
	2441	30	25000	100	300	-0.256	-43.522	<- 20.256	PASS
	2480	30	25000	100	300	-0.756	-43.344	<- 20.756	PASS
$\pi/4$ -DQPSK	2402	30	25000	100	300	-0.717	-43.947	<- 20.717	PASS
	2441	30	25000	100	300	-0.943	-42.379	<- 20.943	PASS
	2480	30	25000	100	300	-1.468	-43.290	<- 21.468	PASS
8-DPSK	2402	30	25000	100	300	-0.704	-43.092	<- 20.704	PASS
	2441	30	25000	100	300	-0.88	-43.489	<-20.88	PASS
	2480	30	25000	100	300	-1.488	-43.664	<- 21.488	PASS

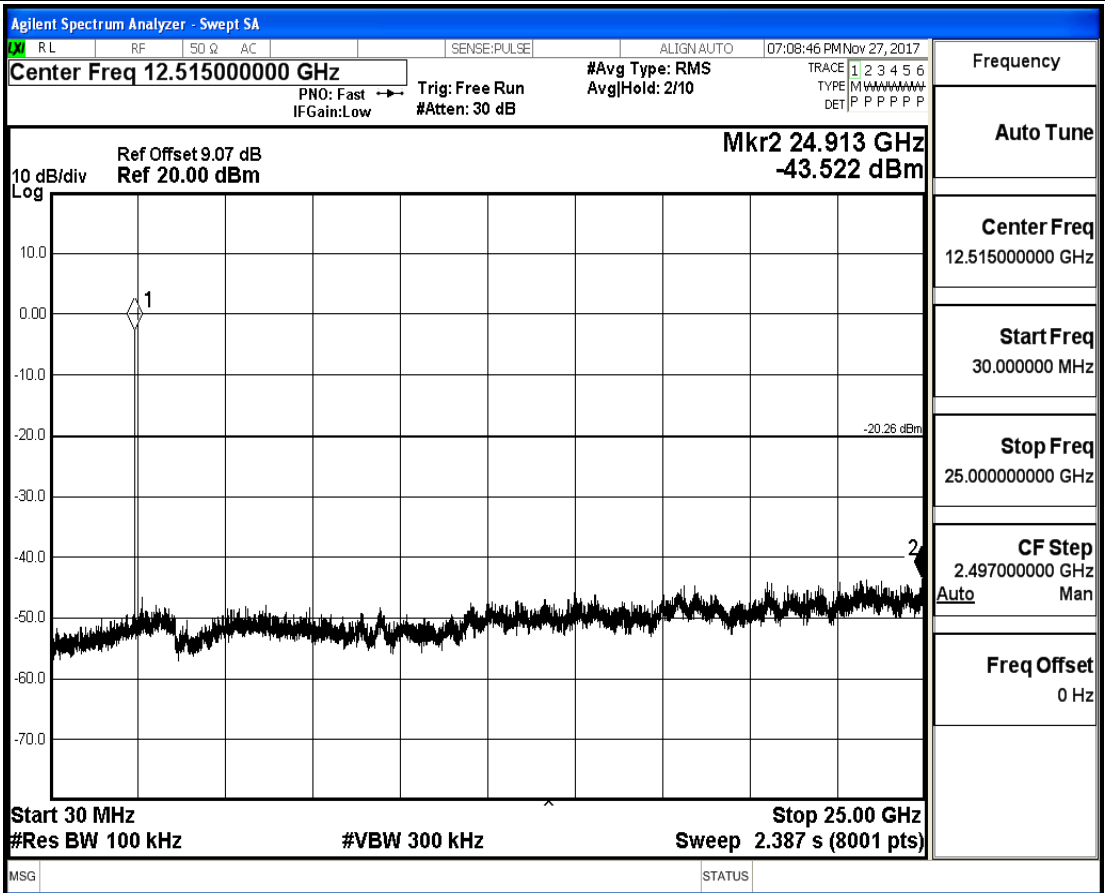
## RF Conducted Spurious Emissions\_GFSK\_2402



## RF Conducted Spurious Emissions\_GFSK\_2441

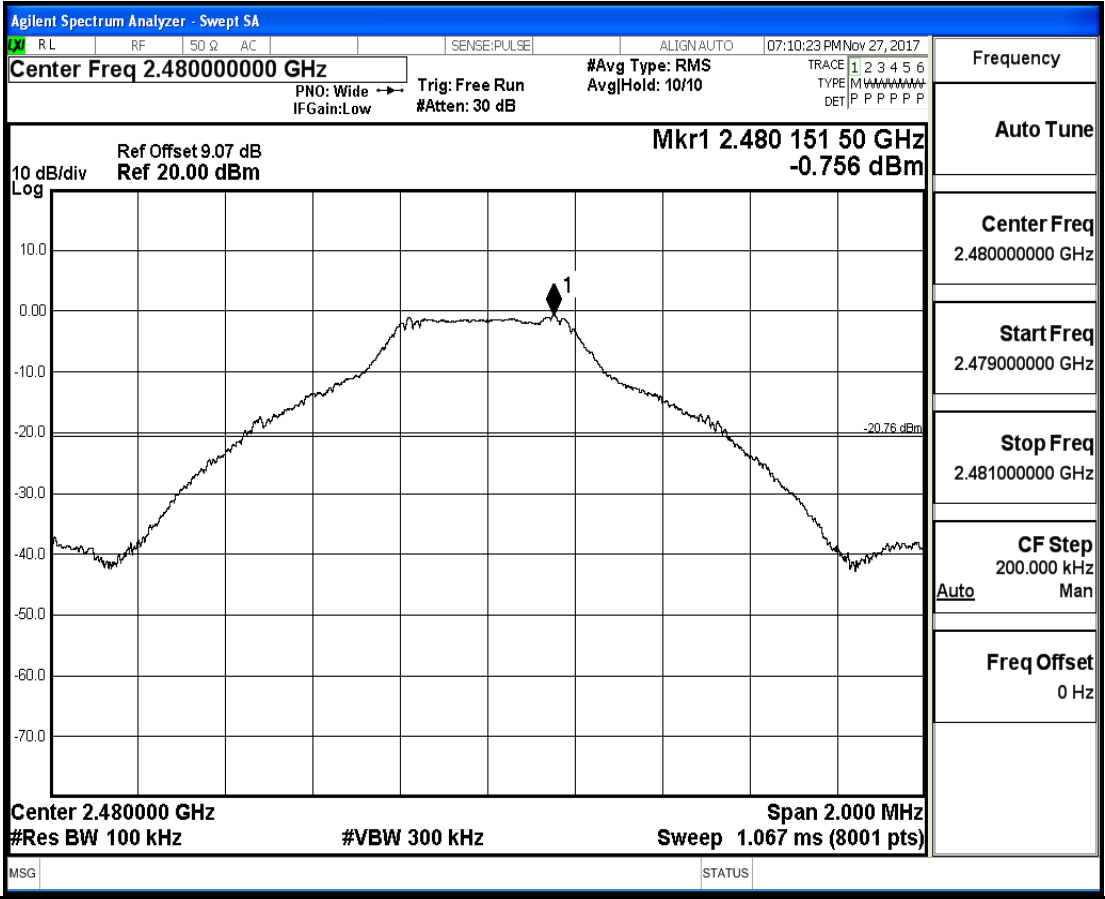


Frequency
Auto Tune
Center Freq 2.441000000 GHz
Start Freq 2.440000000 GHz
Stop Freq 2.442000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

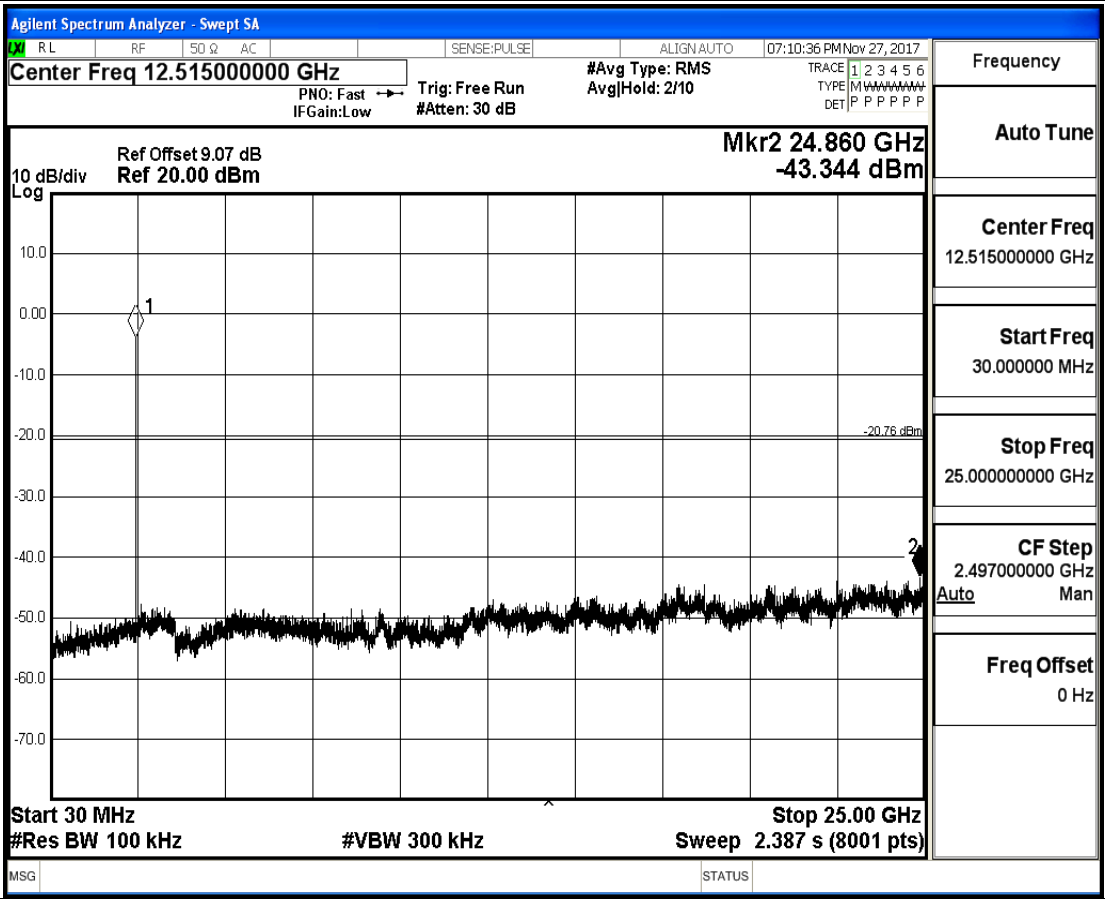


Frequency
Auto Tune
Center Freq 12.515000000 GHz
Start Freq 30.000000 MHz
Stop Freq 25.000000000 GHz
CF Step 2.497000000 GHz Auto Man
Freq Offset 0 Hz

# RF Conducted Spurious Emissions\_GFSK\_2480

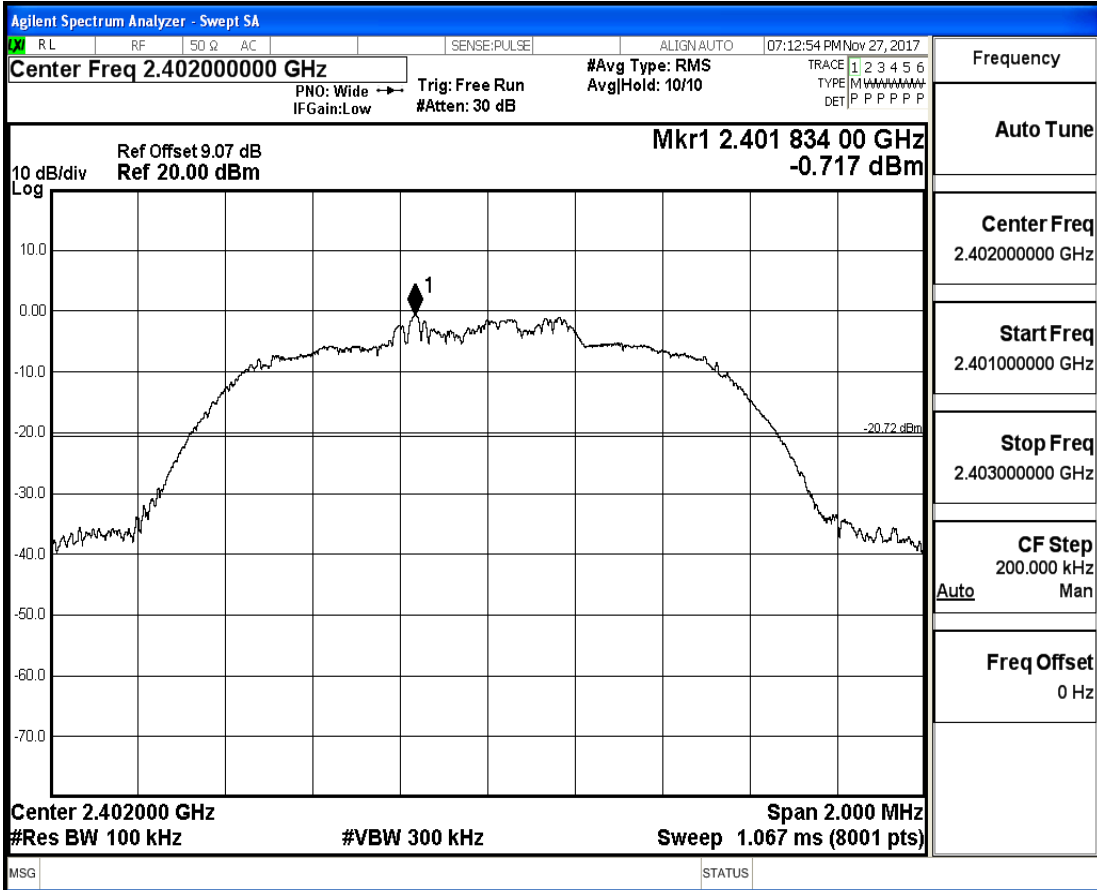


Frequency
Auto Tune
Center Freq 2.480000000 GHz
Start Freq 2.479000000 GHz
Stop Freq 2.481000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

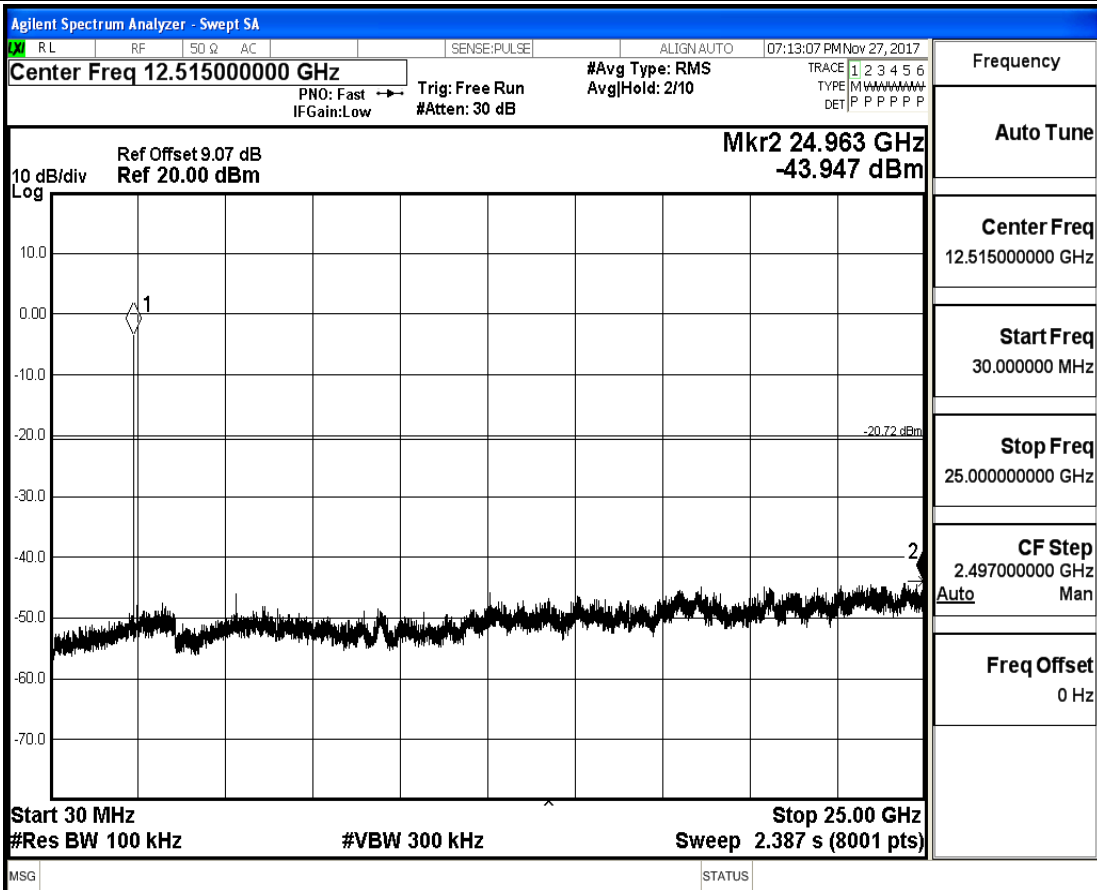


Frequency
Auto Tune
Center Freq 12.515000000 GHz
Start Freq 30.0000000 MHz
Stop Freq 25.000000000 GHz
CF Step 2.497000000 GHz Auto Man
Freq Offset 0 Hz

RF Conducted Spurious Emissions\_π/4-DQPSK\_2402

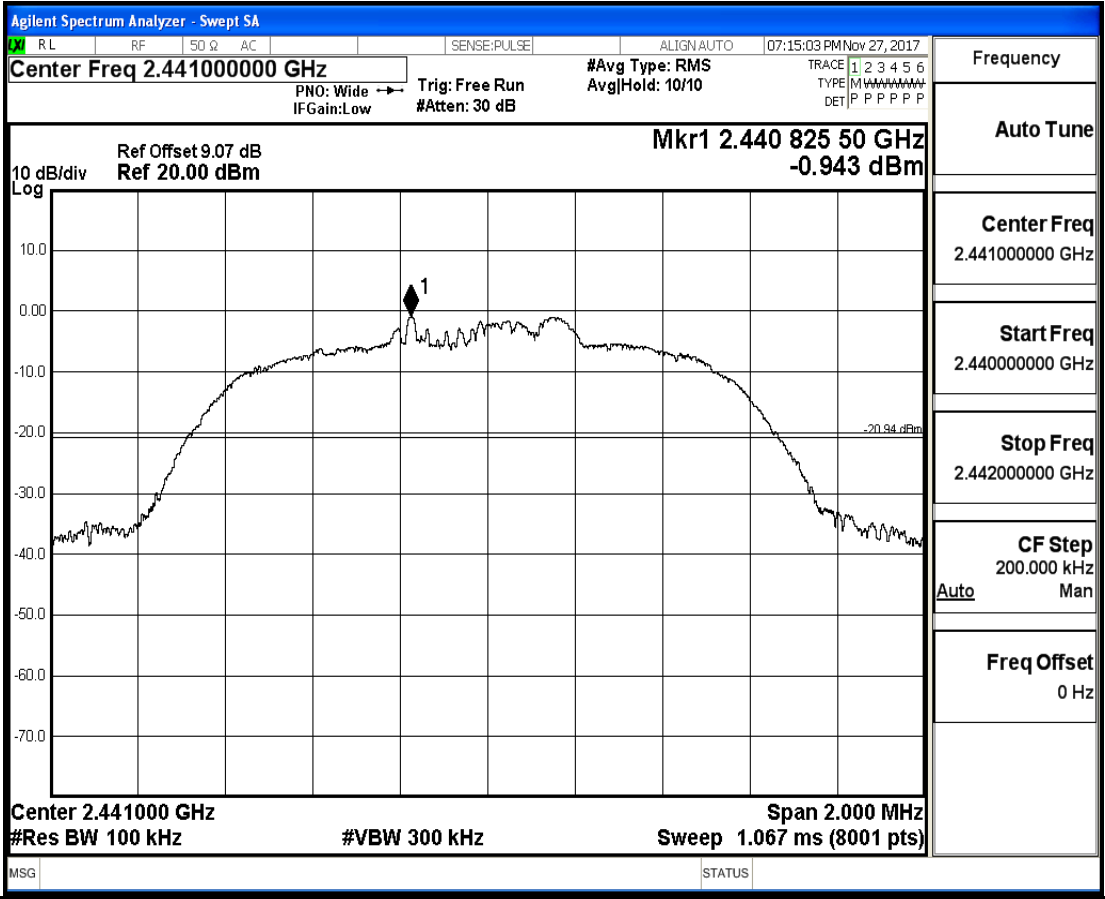


Frequency
Auto Tune
Center Freq 2.402000000 GHz
Start Freq 2.401000000 GHz
Stop Freq 2.403000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

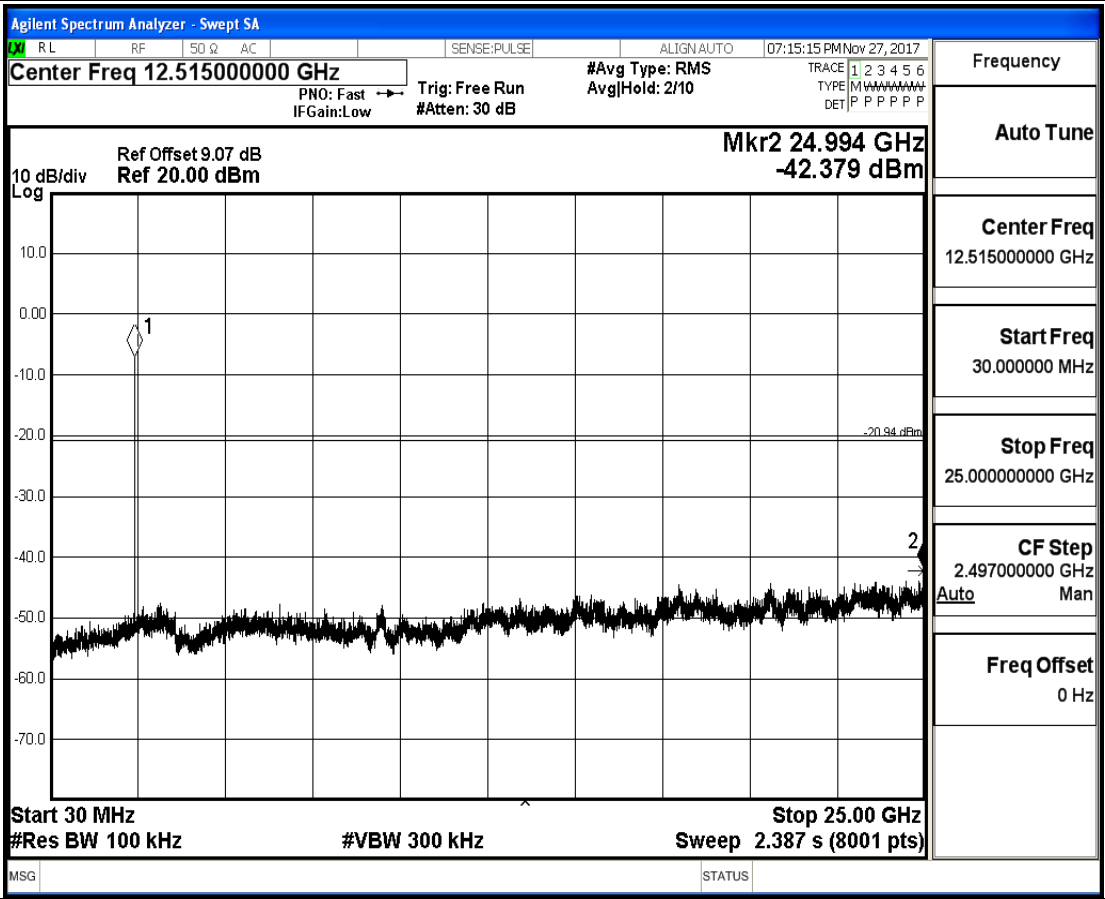


Frequency
Auto Tune
Center Freq 12.515000000 GHz
Start Freq 30.000000 MHz
Stop Freq 25.000000000 GHz
CF Step 2.497000000 GHz Auto Man
Freq Offset 0 Hz

RF Conducted Spurious Emissions\_π/4-DQPSK\_2441



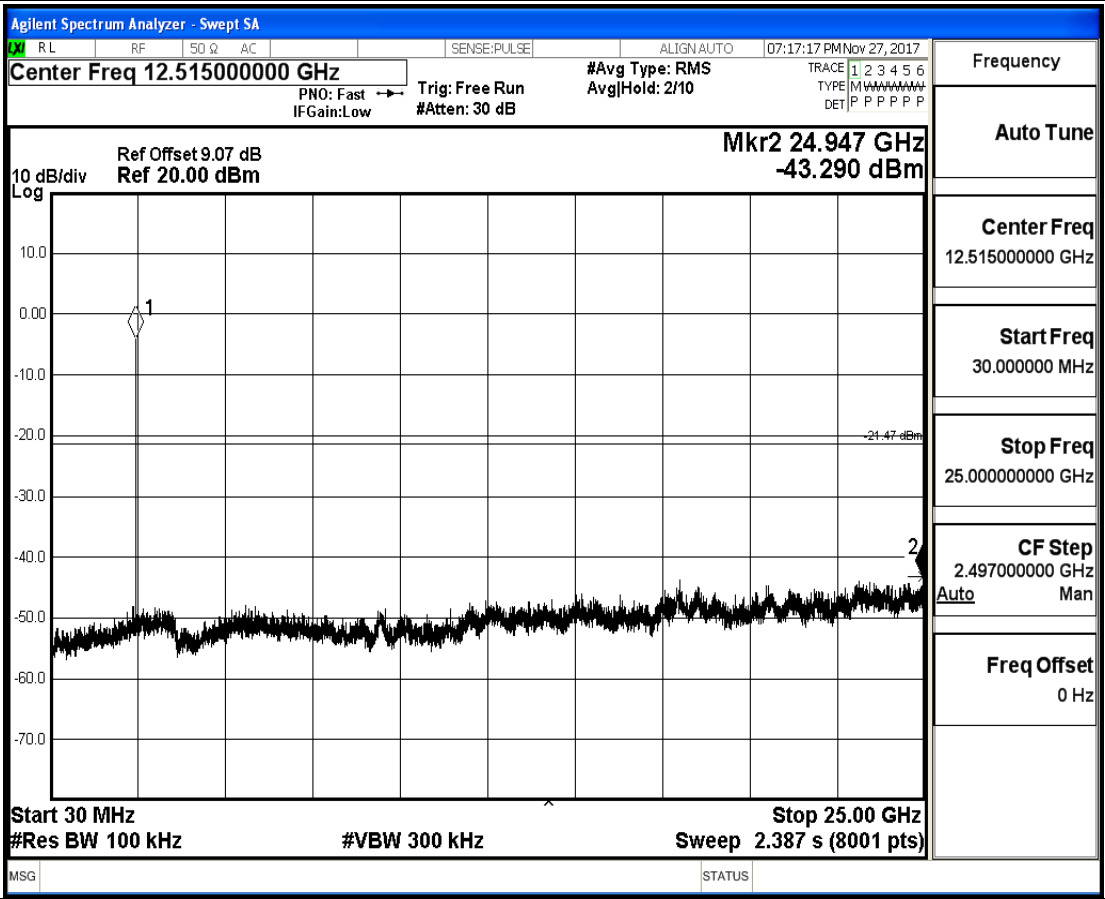
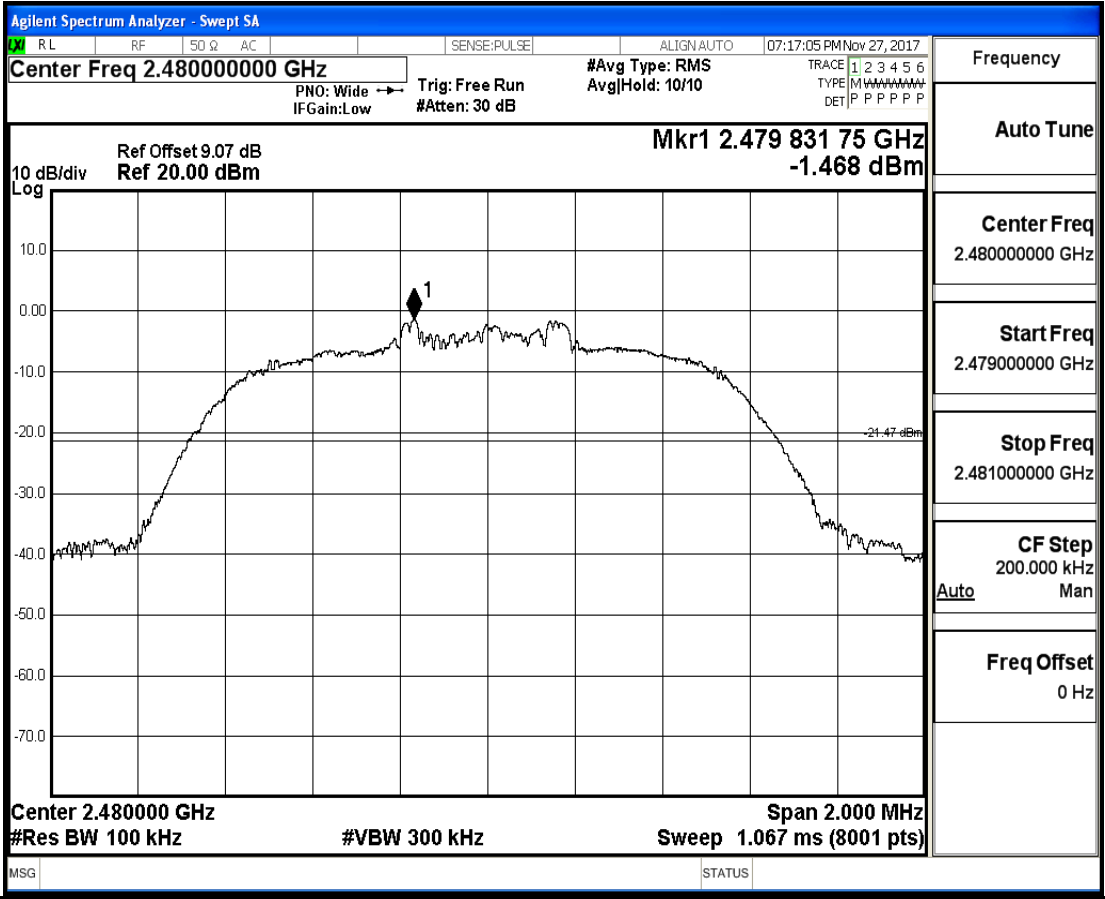
Frequency	
Auto Tune	
Center Freq	2.441000000 GHz
Start Freq	2.440000000 GHz
Stop Freq	2.442000000 GHz
CF Step	200.000 kHz Auto Man
Freq Offset	0 Hz



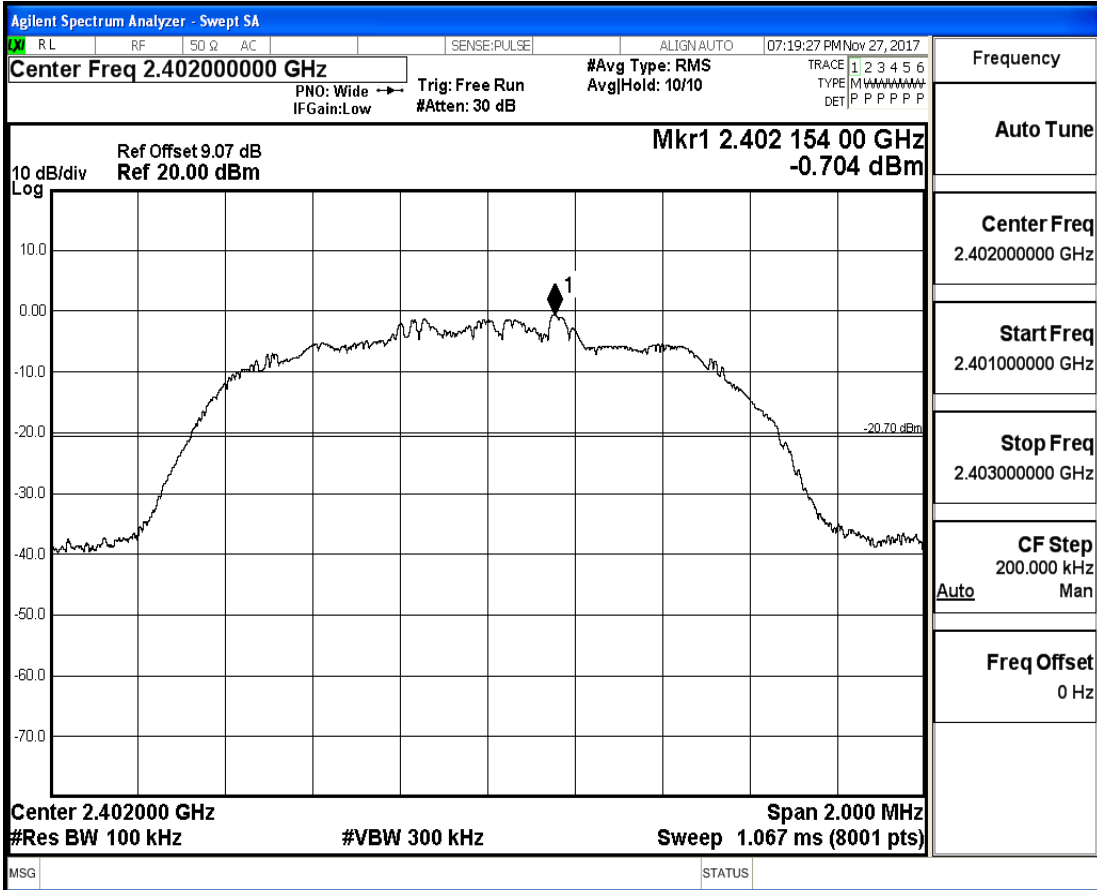
Frequency	
Auto Tune	
Center Freq	12.515000000 GHz
Start Freq	30.000000 MHz
Stop Freq	25.000000000 GHz
CF Step	2.497000000 GHz Auto Man
Freq Offset	0 Hz



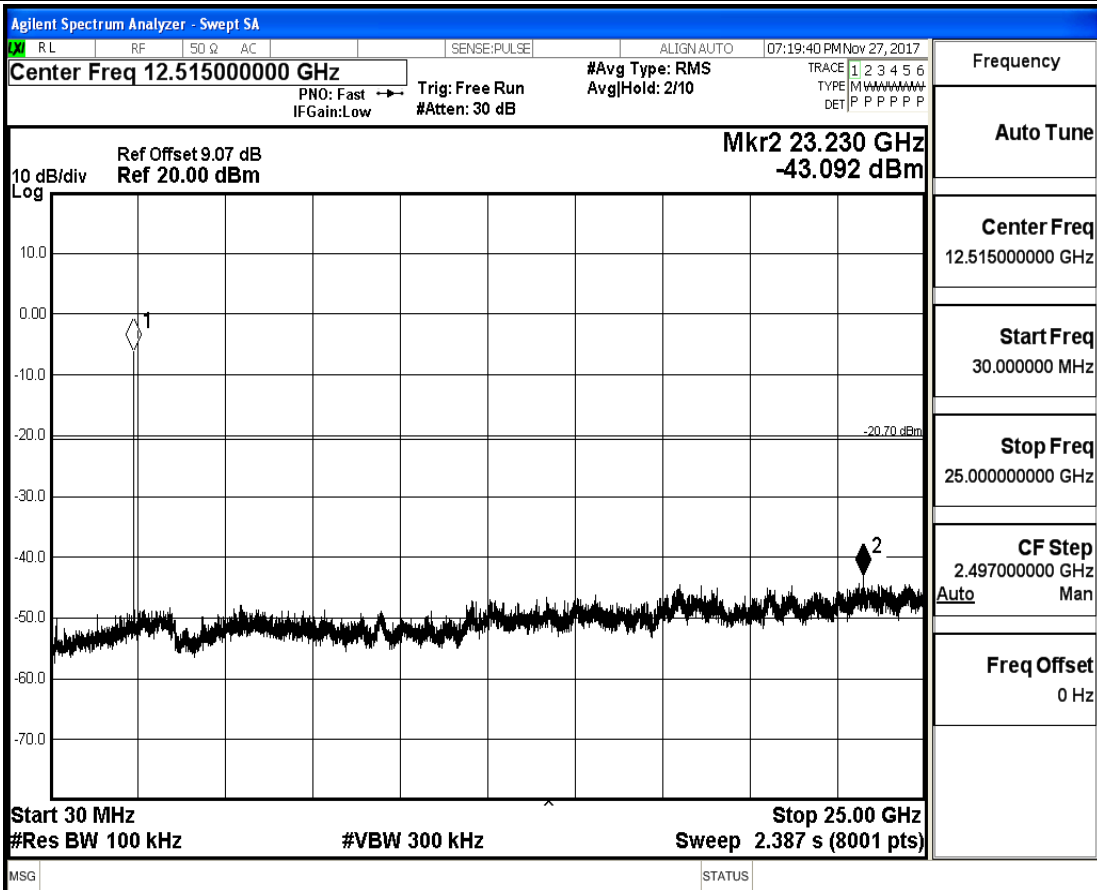
RF Conducted Spurious Emissions\_π/4-DQPSK\_2480



## RF Conducted Spurious Emissions\_8-DPSK\_2402

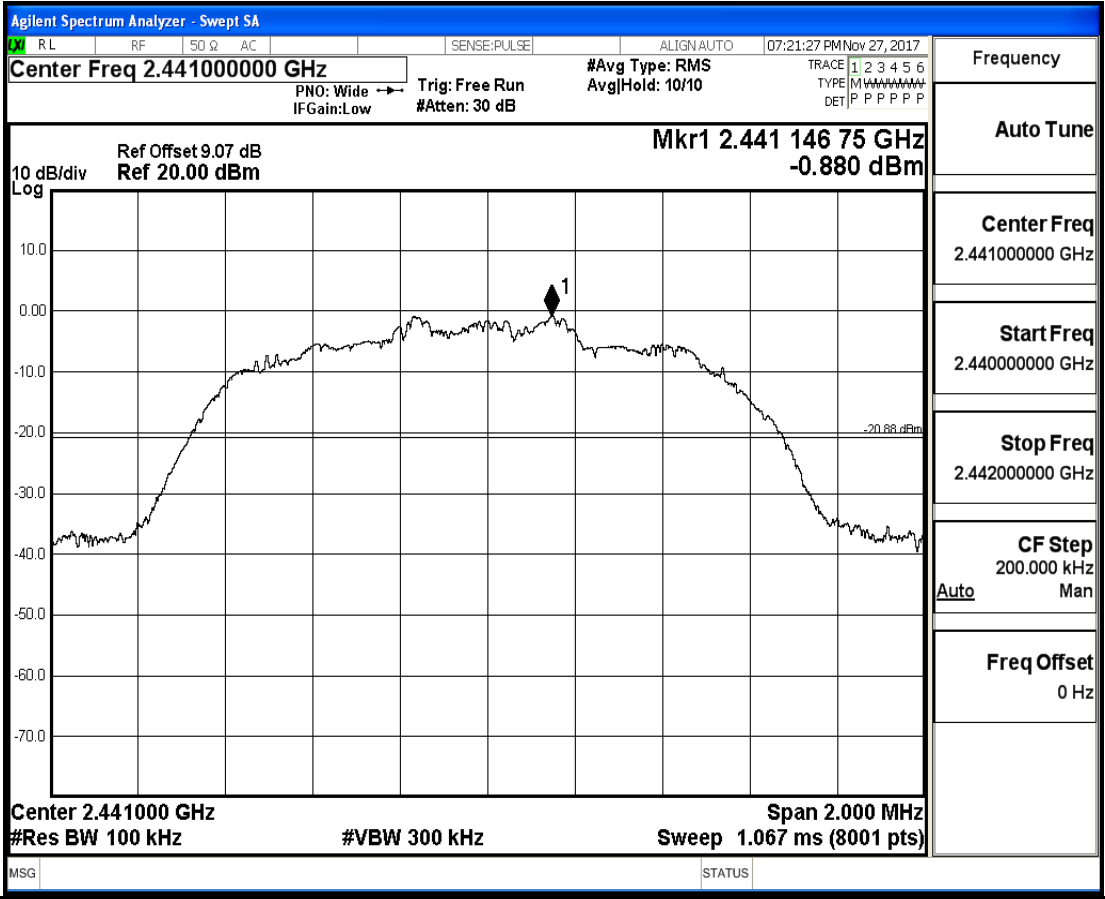


Frequency
Auto Tune
Center Freq 2.402000000 GHz
Start Freq 2.401000000 GHz
Stop Freq 2.403000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz

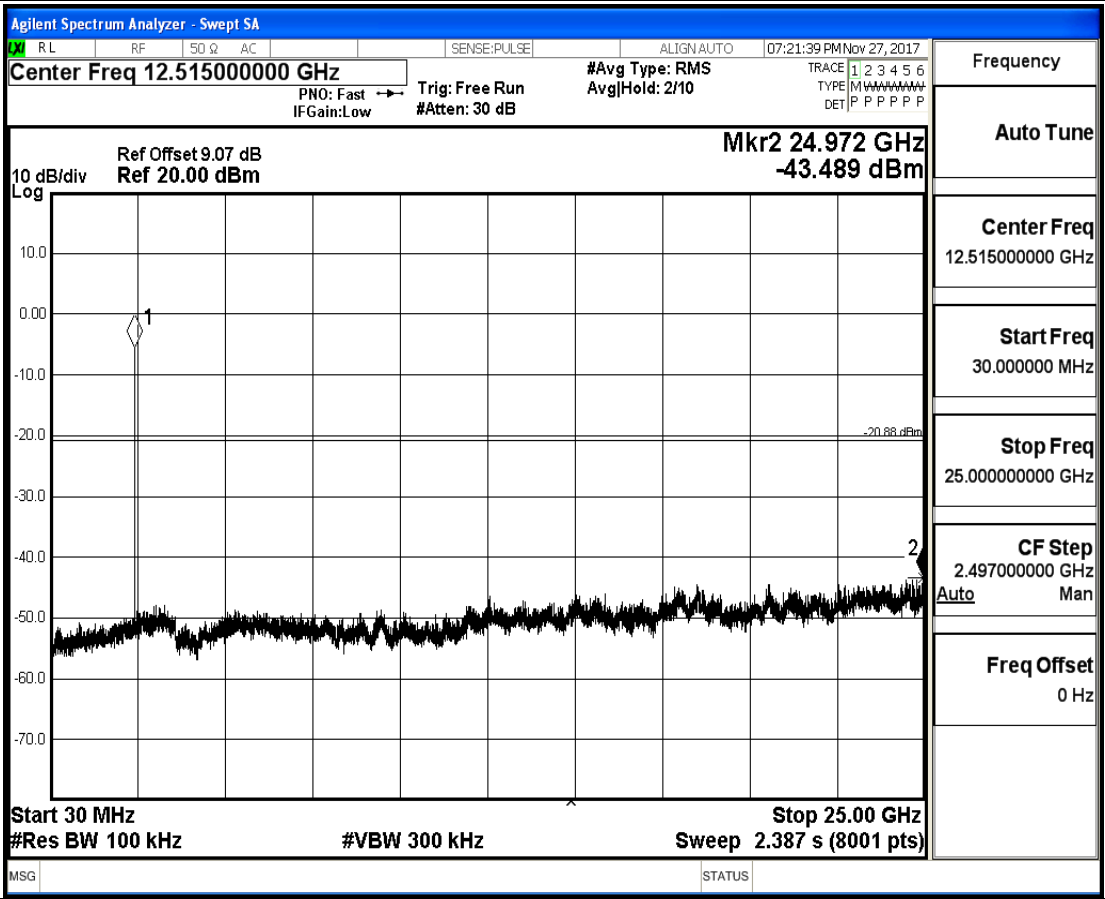


Frequency
Auto Tune
Center Freq 12.515000000 GHz
Start Freq 30.0000000 MHz
Stop Freq 25.000000000 GHz
CF Step 2.497000000 GHz Auto Man
Freq Offset 0 Hz

## RF Conducted Spurious Emissions\_8-DPSK\_2441

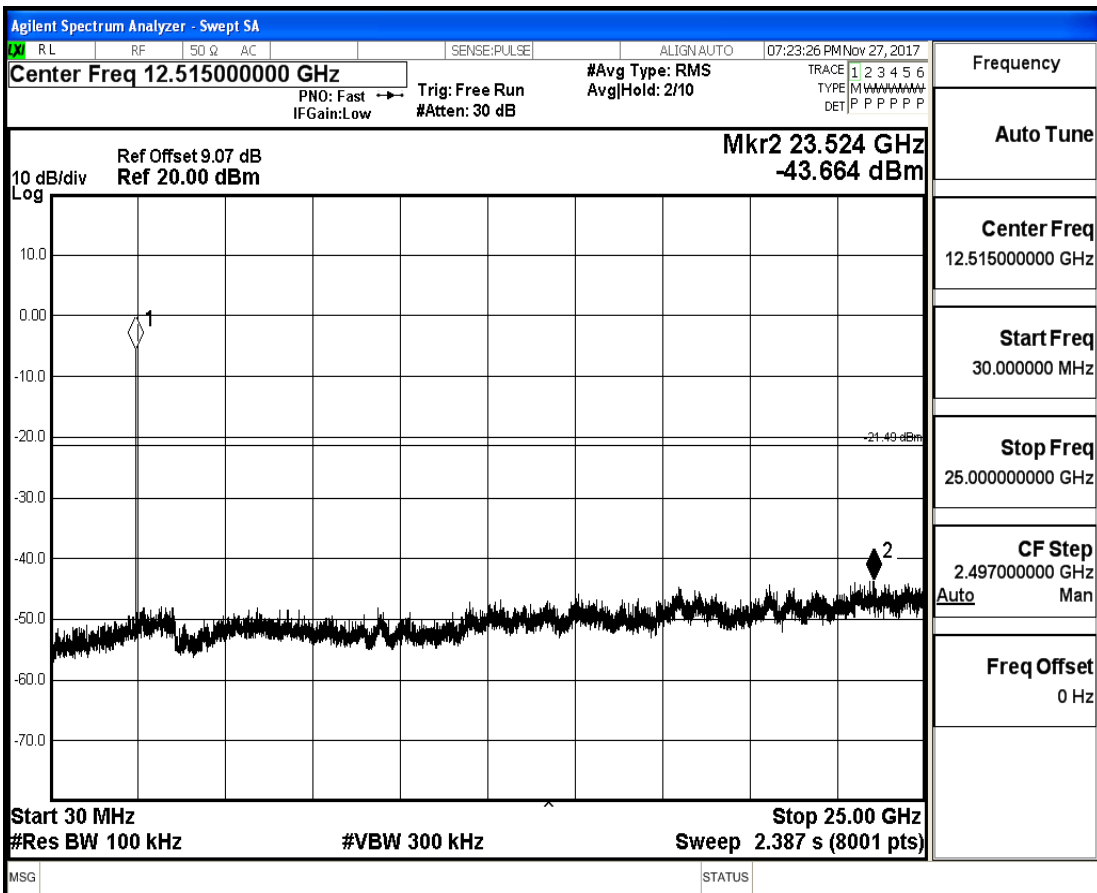
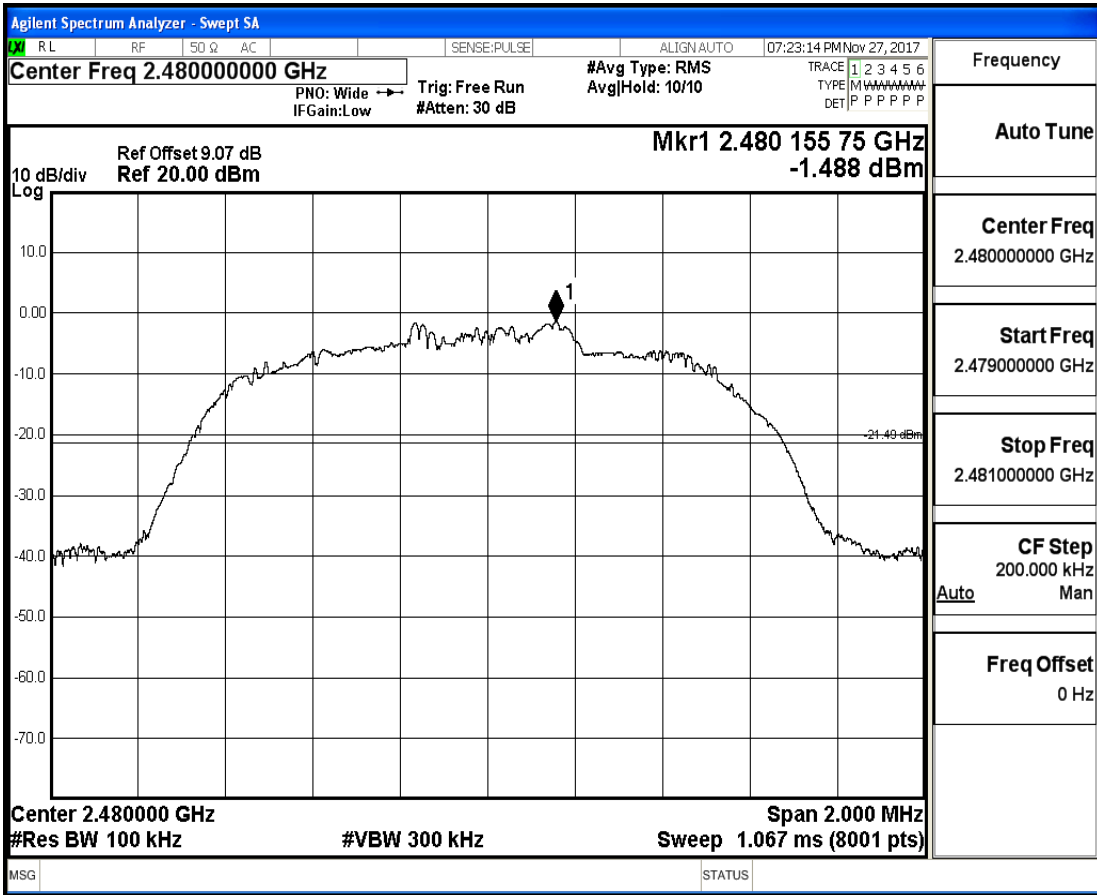


Frequency
Auto Tune
Center Freq 2.441000000 GHz
Start Freq 2.440000000 GHz
Stop Freq 2.442000000 GHz
CF Step 200.000 kHz Auto Man
Freq Offset 0 Hz



Frequency
Auto Tune
Center Freq 12.515000000 GHz
Start Freq 30.000000 MHz
Stop Freq 25.000000000 GHz
CF Step 2.497000000 GHz Auto Man
Freq Offset 0 Hz

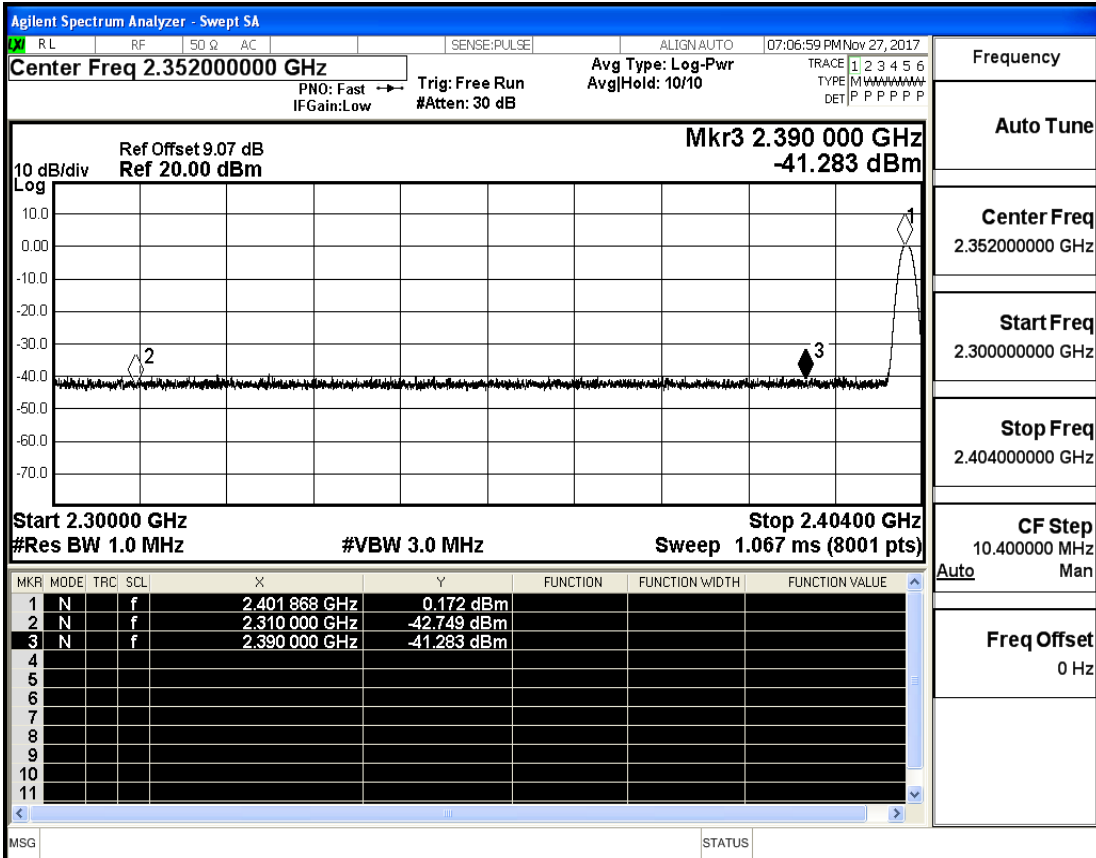
## RF Conducted Spurious Emissions\_8-DPSK\_2480



### A.8 Restrict-band band-edge measurements

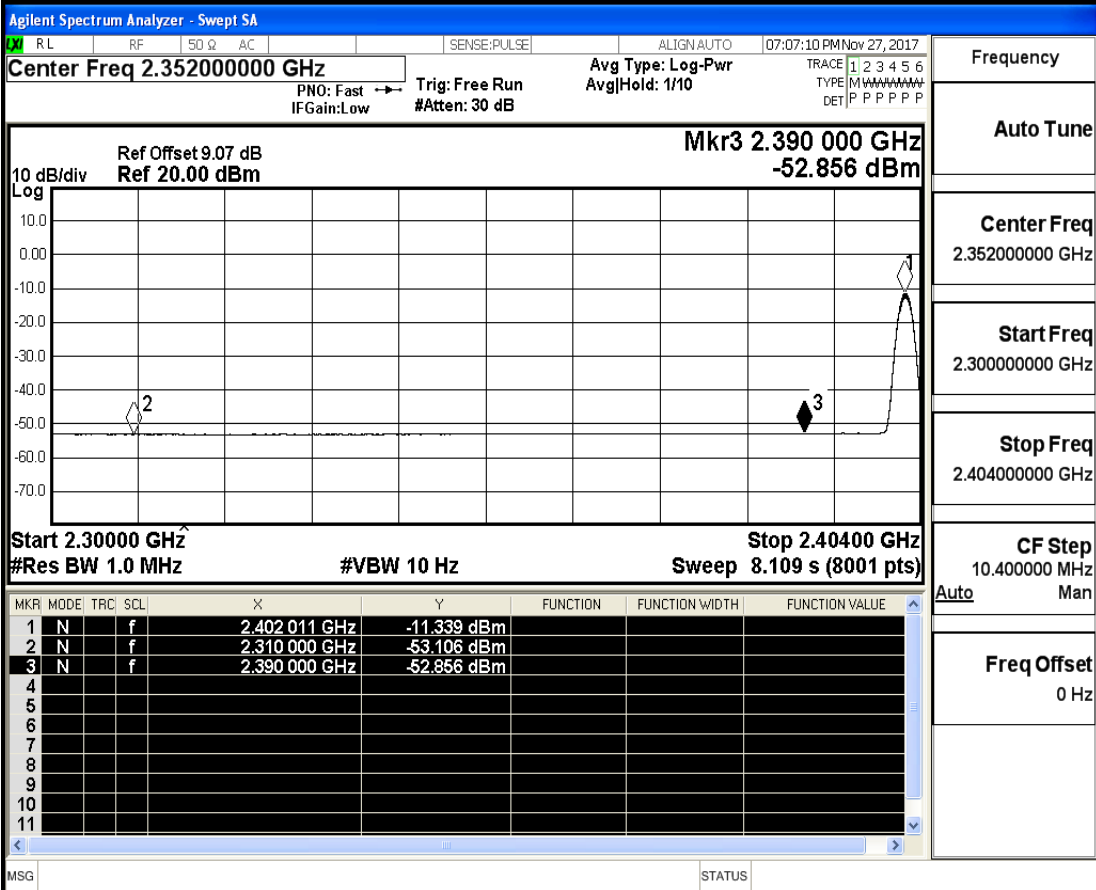
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
GFSK	Off	2310.0	-42.75	2.0	0	54.51	PEAK	74	PASS
	Off	2310.0	-53.11	2.0	0	44.15	AV	54	PASS
	Off	2390.0	-41.28	2.0	0	55.98	PEAK	74	PASS
	Off	2390.0	-52.86	2.0	0	44.40	AV	54	PASS
	Off	2483.5	-43.07	2.0	0	54.19	PEAK	74	PASS
	Off	2483.5	-52.63	2.0	0	44.63	AV	54	PASS
	Off	2500.0	-41.61	2.0	0	55.65	PEAK	74	PASS
	Off	2500.0	-52.51	2.0	0	44.75	AV	54	PASS
$\pi/4$ -DQPSK	Off	2310.0	-41.34	2.0	0	55.92	PEAK	74	PASS
	Off	2310.0	-53.10	2.0	0	44.16	AV	54	PASS
	Off	2390.0	-41.37	2.0	0	55.89	PEAK	74	PASS
	Off	2390.0	-52.83	2.0	0	44.43	AV	54	PASS
	Off	2483.5	-41.77	2.0	0	55.49	PEAK	74	PASS
	Off	2483.5	-52.58	2.0	0	44.68	AV	54	PASS
	Off	2500.0	-42.42	2.0	0	54.84	PEAK	74	PASS
	Off	2500.0	-52.50	2.0	0	44.76	AV	54	PASS
8-DPSK	Off	2310.0	-41.99	2.0	0	55.27	PEAK	74	PASS
	Off	2310.0	-53.10	2.0	0	44.16	AV	54	PASS
	Off	2390.0	-41.25	2.0	0	56.01	PEAK	74	PASS
	Off	2390.0	-52.88	2.0	0	44.38	AV	54	PASS
	Off	2483.5	-41.98	2.0	0	55.28	PEAK	74	PASS
	Off	2483.5	-52.53	2.0	0	44.73	AV	54	PASS
	Off	2500.0	-40.89	2.0	0	56.37	PEAK	74	PASS
	Off	2500.0	-52.48	2.0	0	44.78	AV	54	PASS

Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK



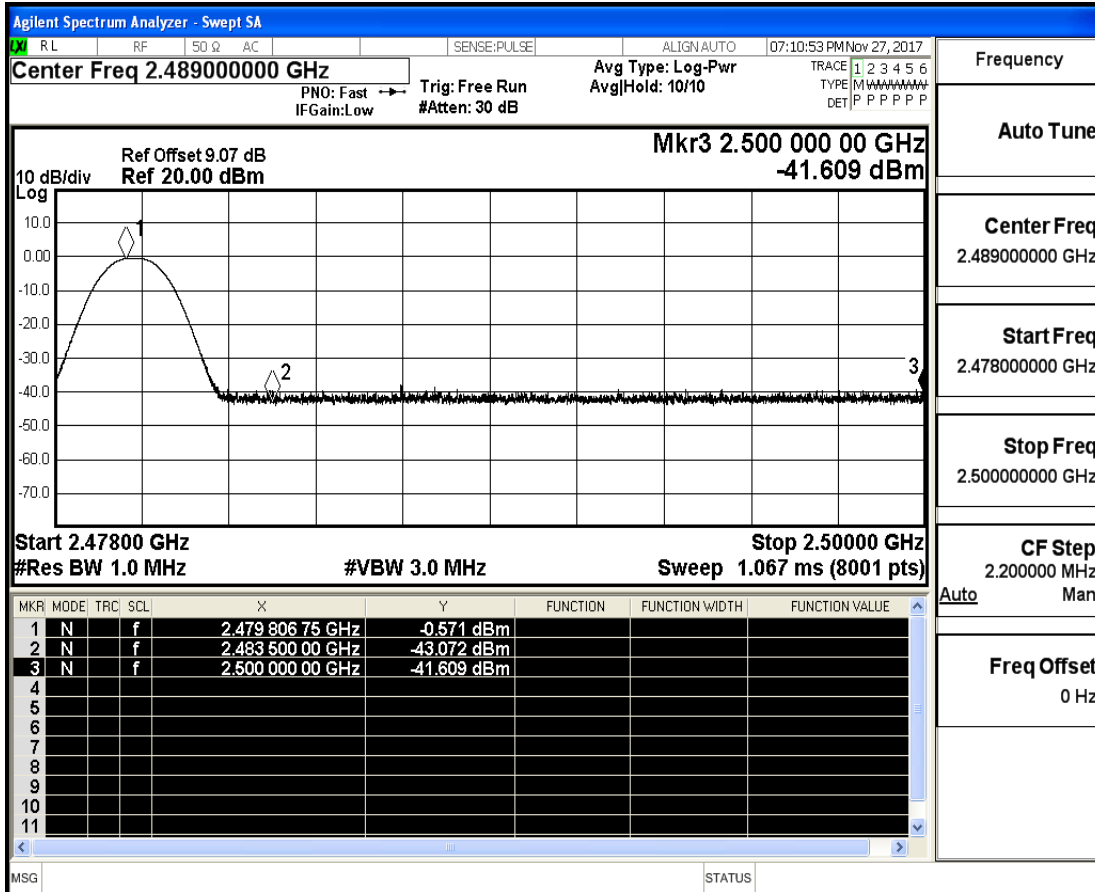
Frequency
Auto Tune
Center Freq 2.35200000 GHz
Start Freq 2.30000000 GHz
Stop Freq 2.40400000 GHz
CF Step 10.400000 MHz Auto Man
Freq Offset 0 Hz

Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average

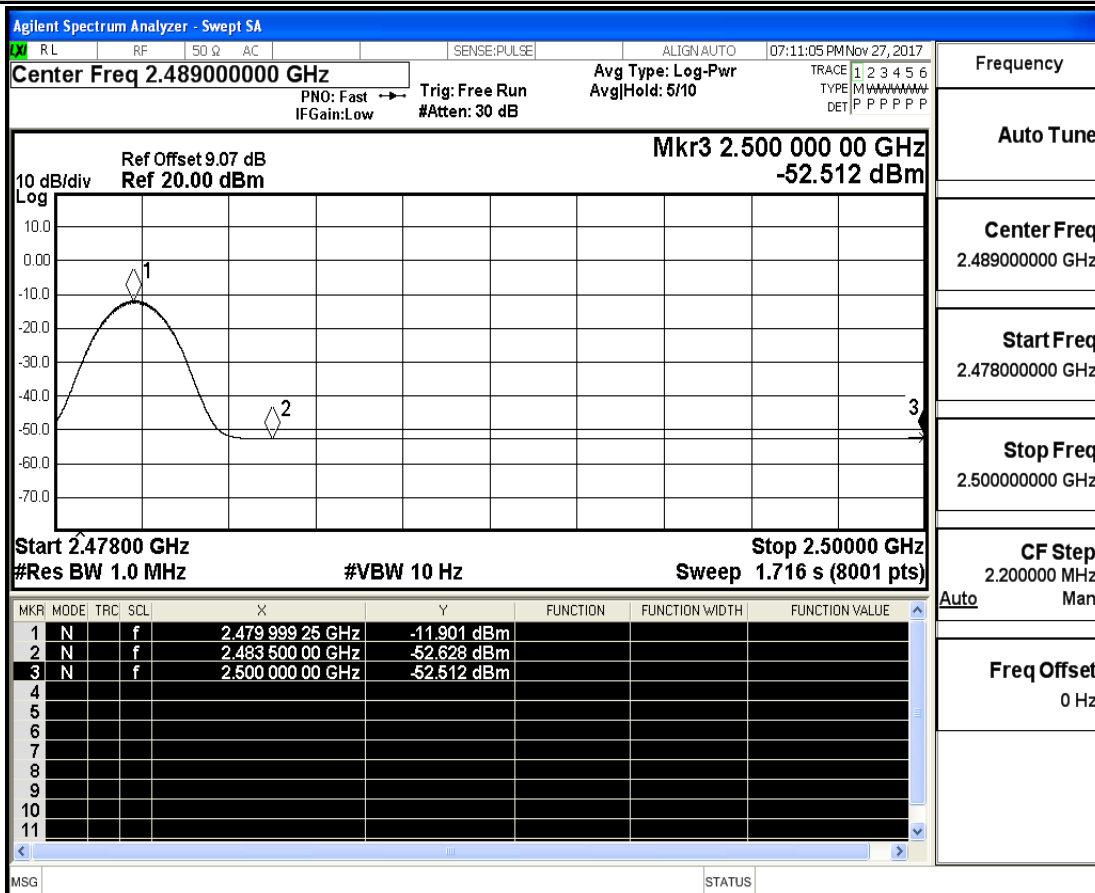


Frequency
Auto Tune
Center Freq 2.35200000 GHz
Start Freq 2.30000000 GHz
Stop Freq 2.40400000 GHz
CF Step 10.400000 MHz Auto Man
Freq Offset 0 Hz

### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_PEAK



### Restrict-band band-edge measurements\_Hopping Off\_ GFSK\_Average



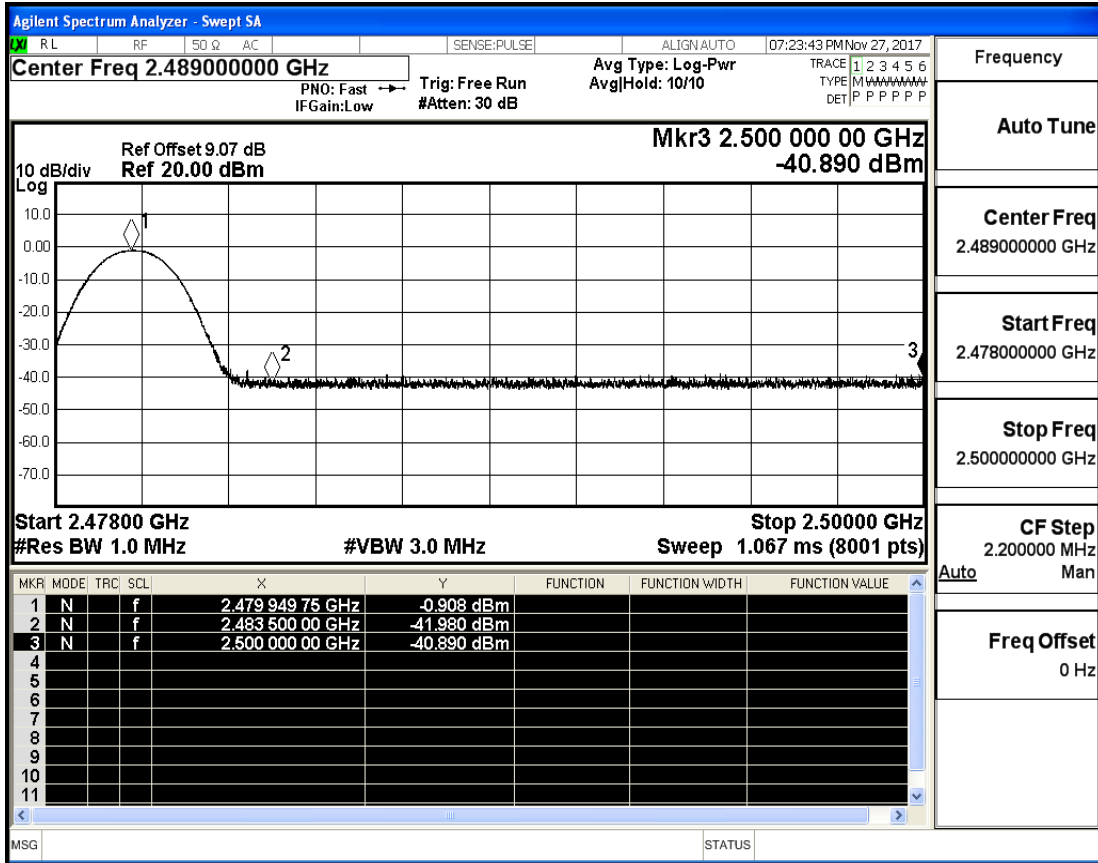








### Restrict-band band-edge measurements\_Hopping Off\_8-DPSK\_PEAK



### Restrict-band band-edge measurements\_Hopping Off\_8-DPSK\_Average

