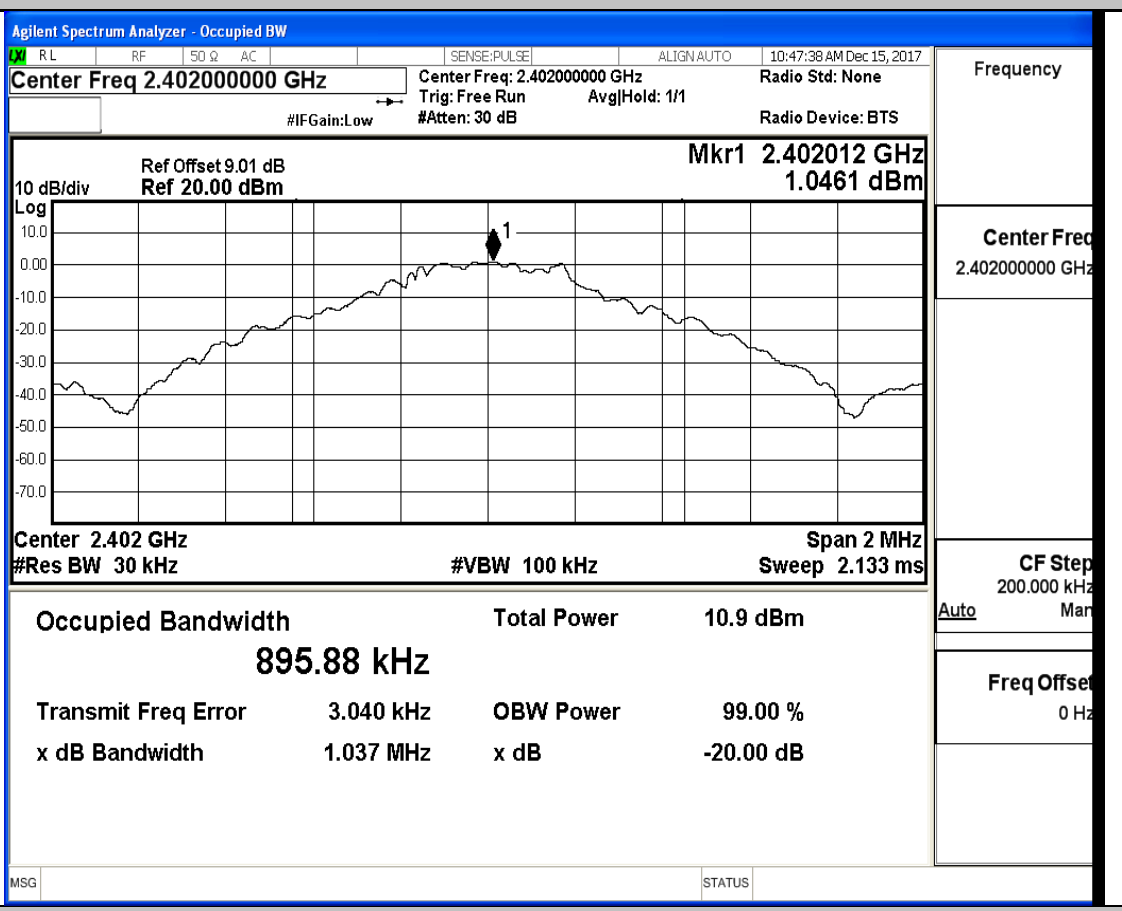
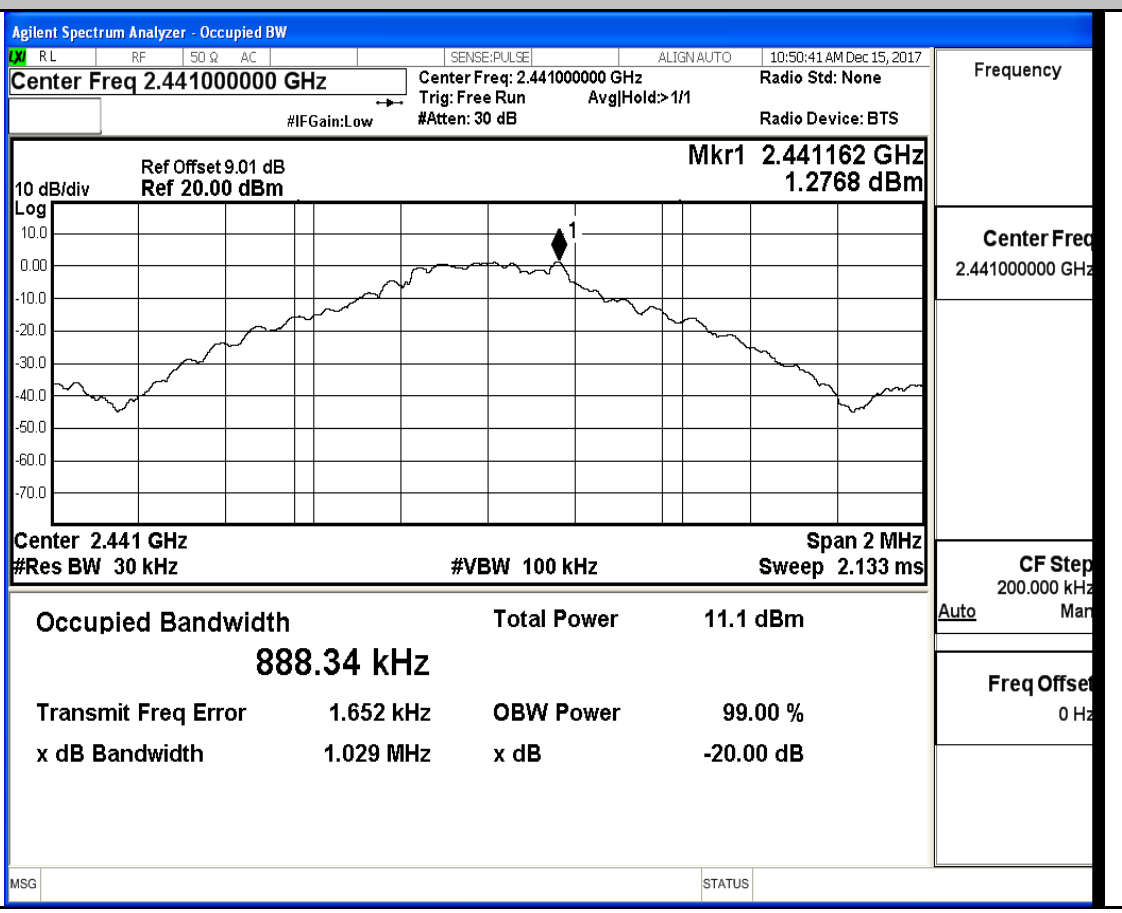
A.1.20 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
DH5	2402	1.037	---	PASS
DH5	2441	1.029	---	PASS
DH5	2480	1.036	---	PASS
2DH5	2402	1.290	---	PASS
2DH5	2441	1.292	---	PASS
2DH5	2480	1.291	---	PASS
3DH5	2402	1.295	---	PASS
3DH5	2441	1.298	---	PASS
3DH5	2480	1.299	---	PASS

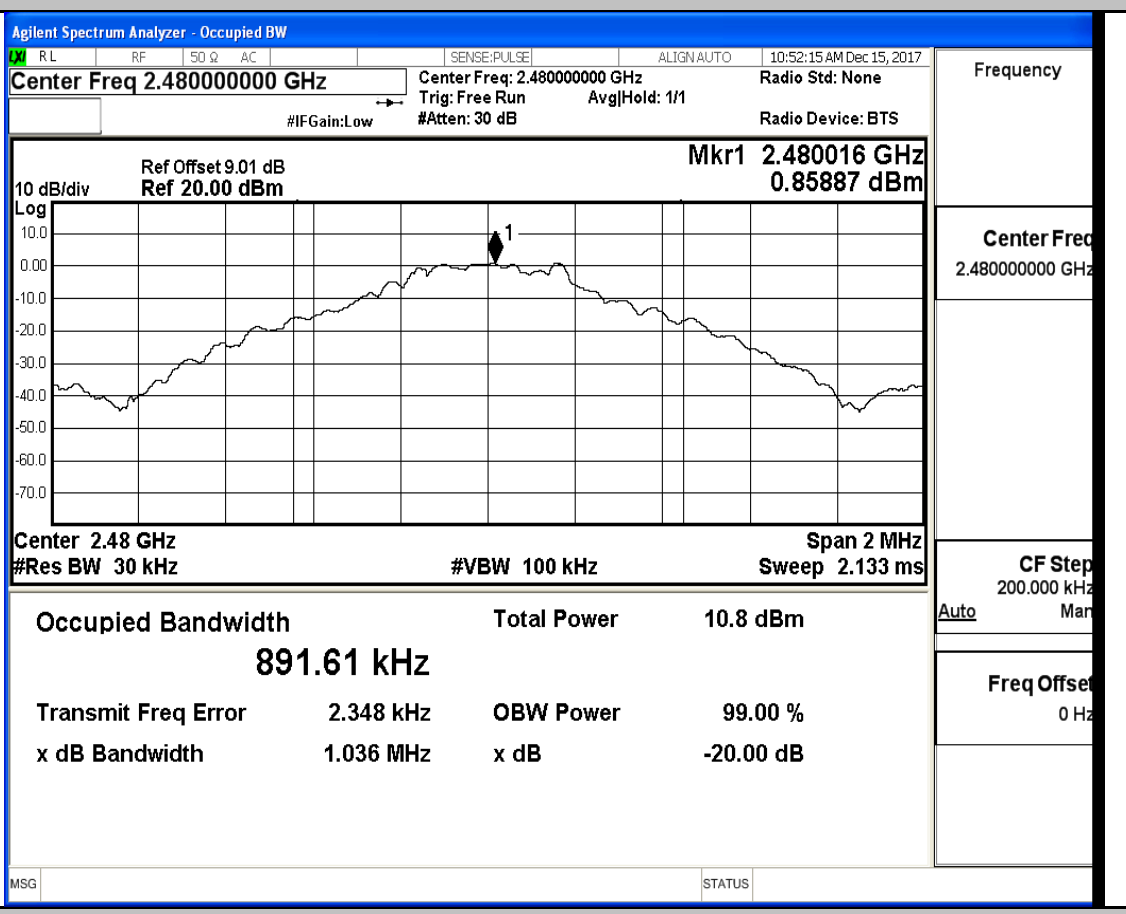
20 dB Bandwidth_DH5_2402



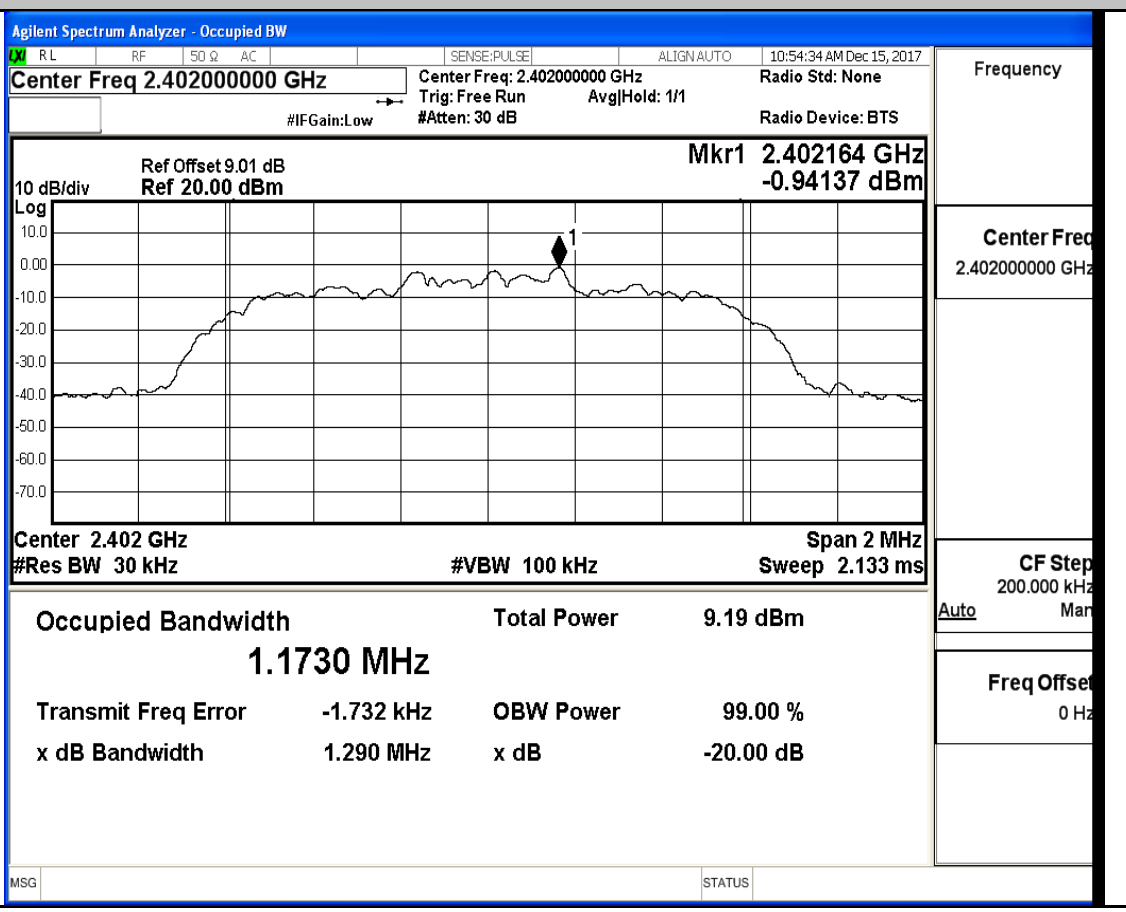
20 dB Bandwidth_DH5_2441



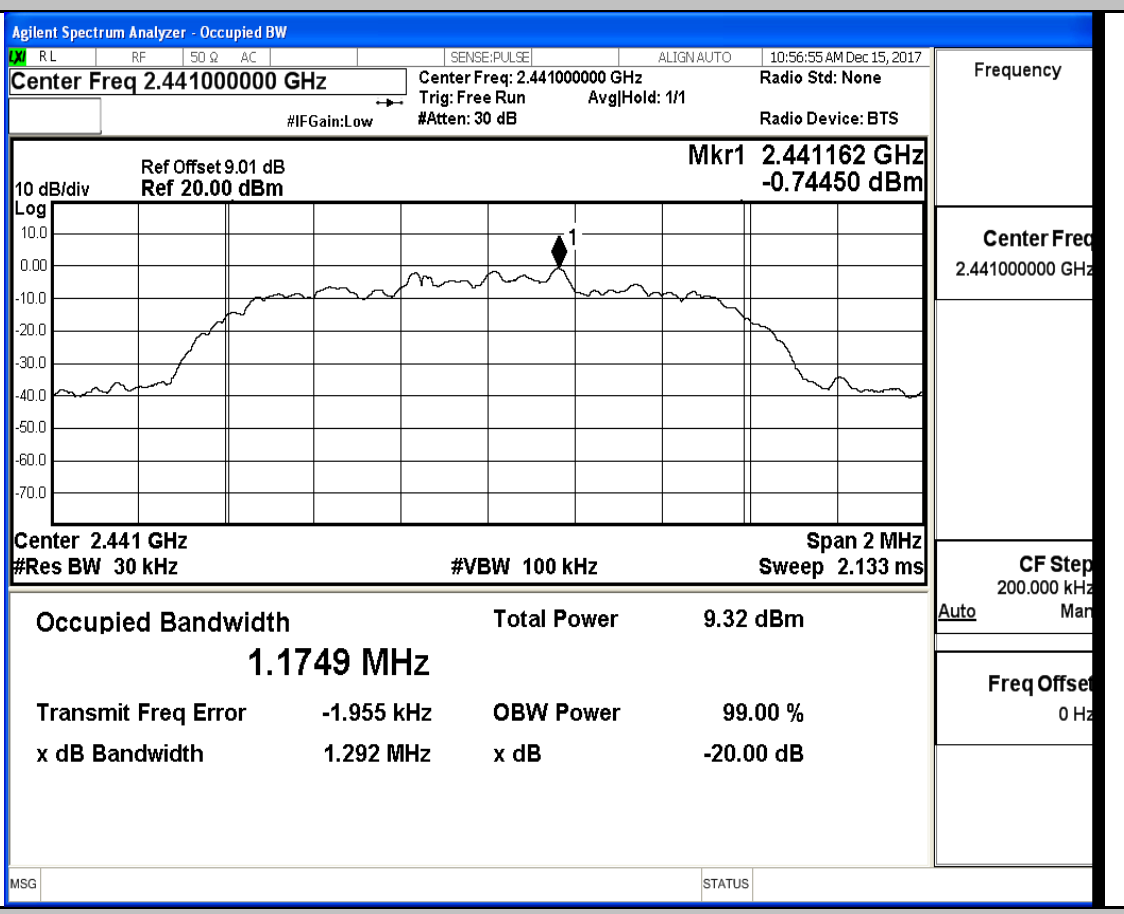
20 dB Bandwidth_DH5_2480



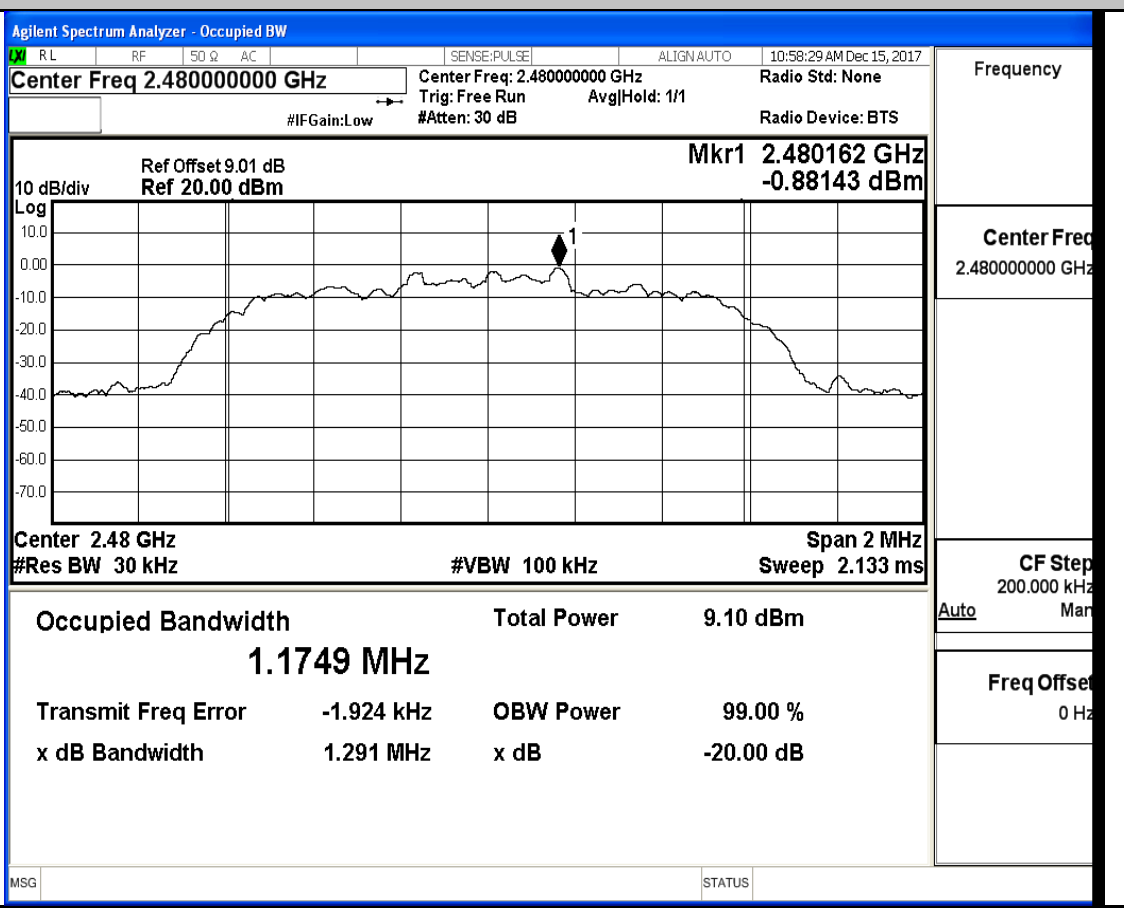
20 dB Bandwidth_2DH5_2402



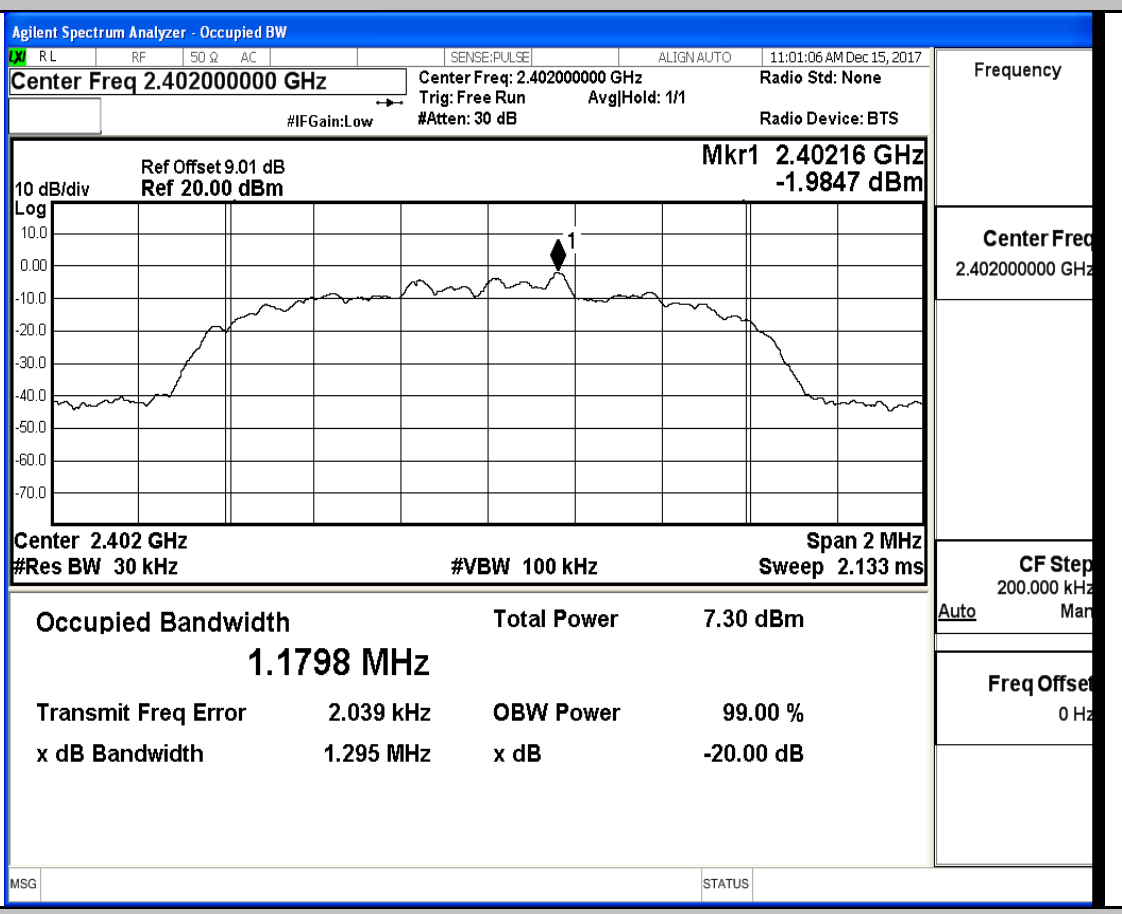
20 dB Bandwidth_2DH5_2441



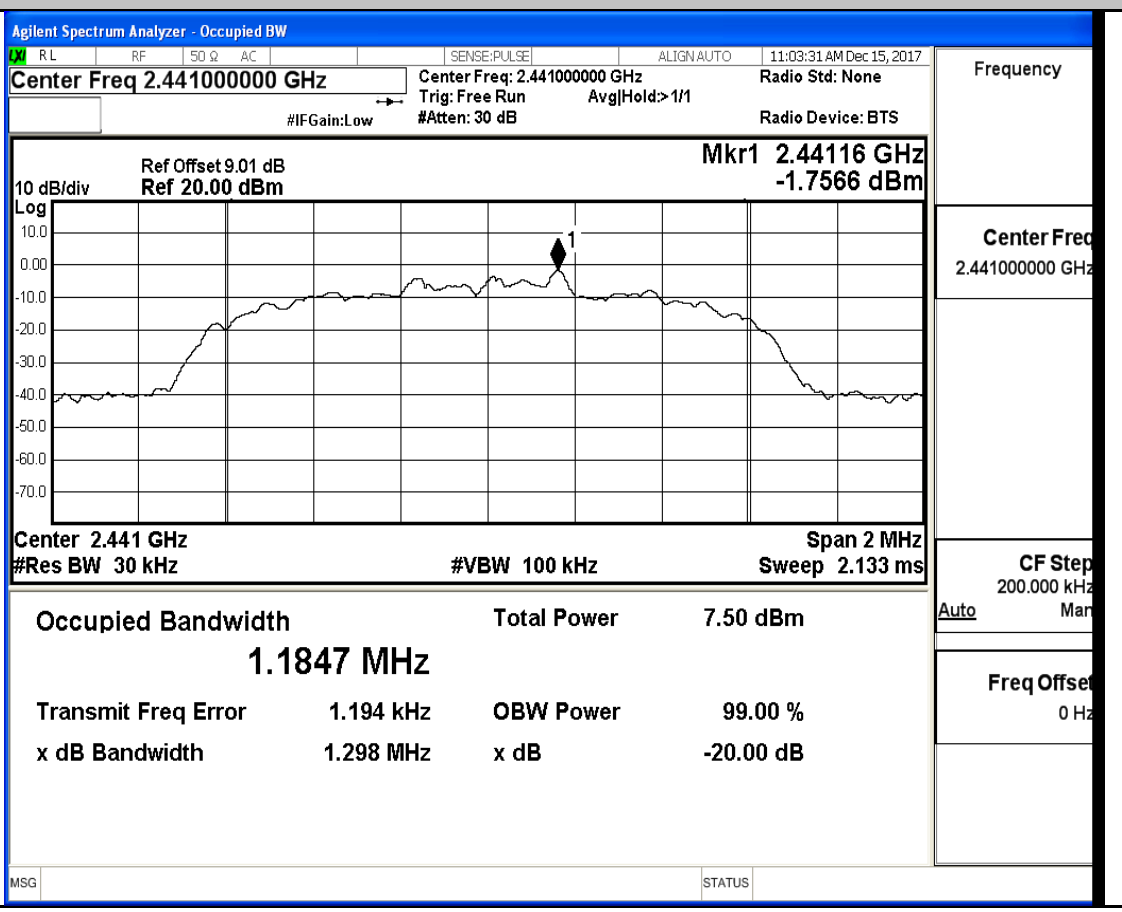
20 dB Bandwidth_2DH5_2480



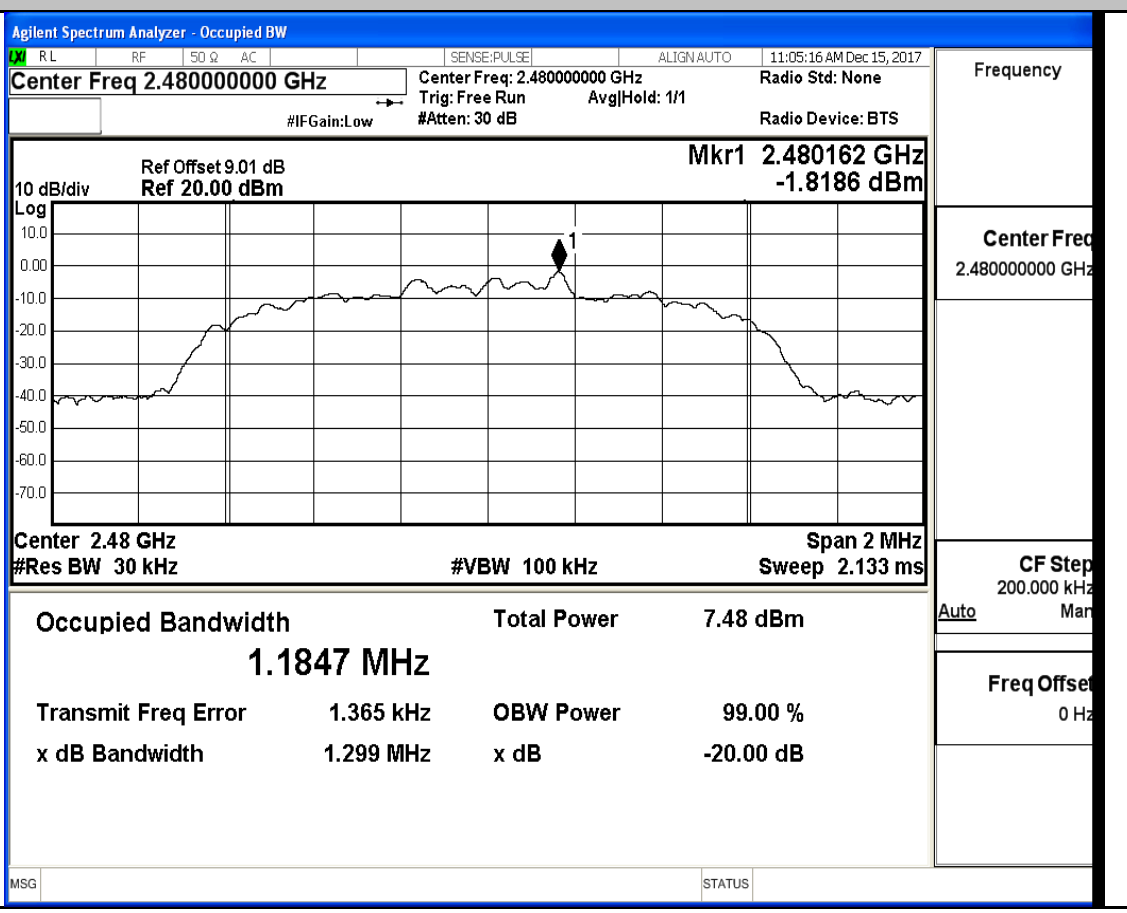
20 dB Bandwidth_3DH5_2402



20 dB Bandwidth_3DH5_2441



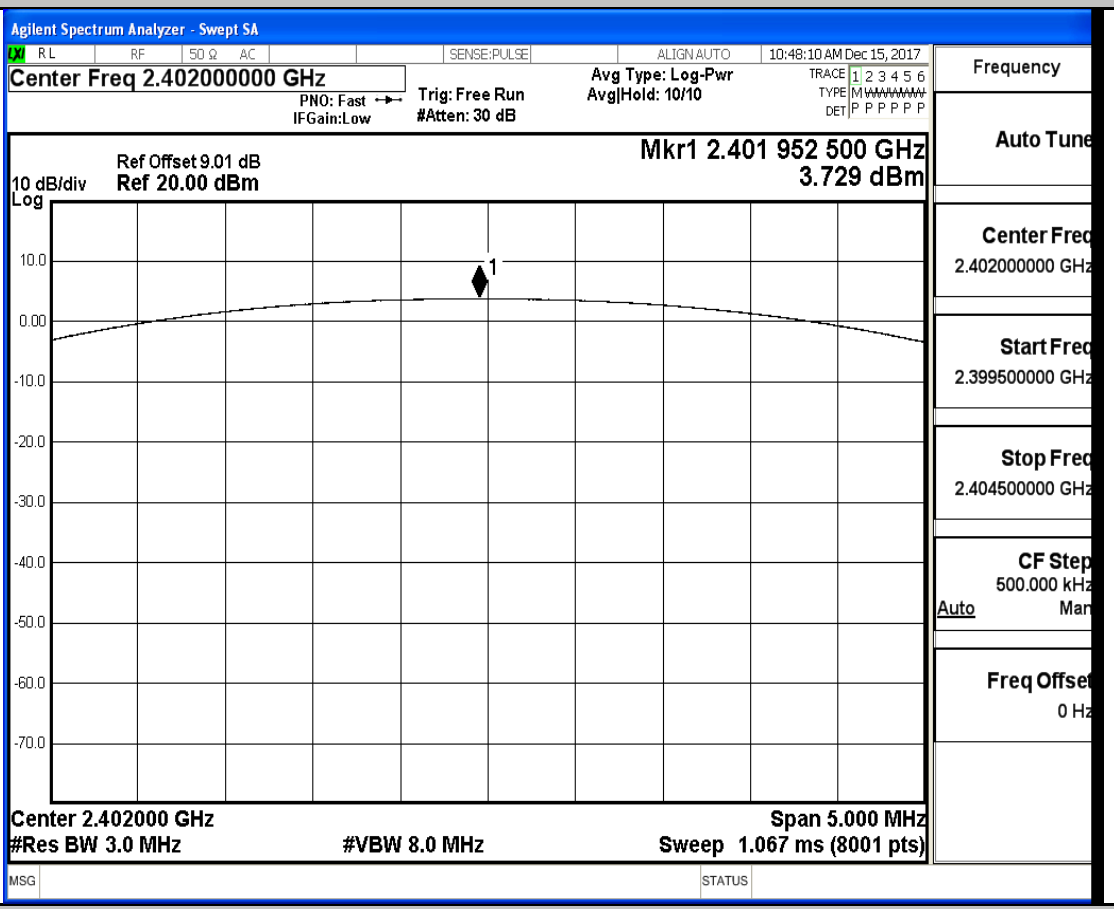
20 dB Bandwidth_3DH5_2480



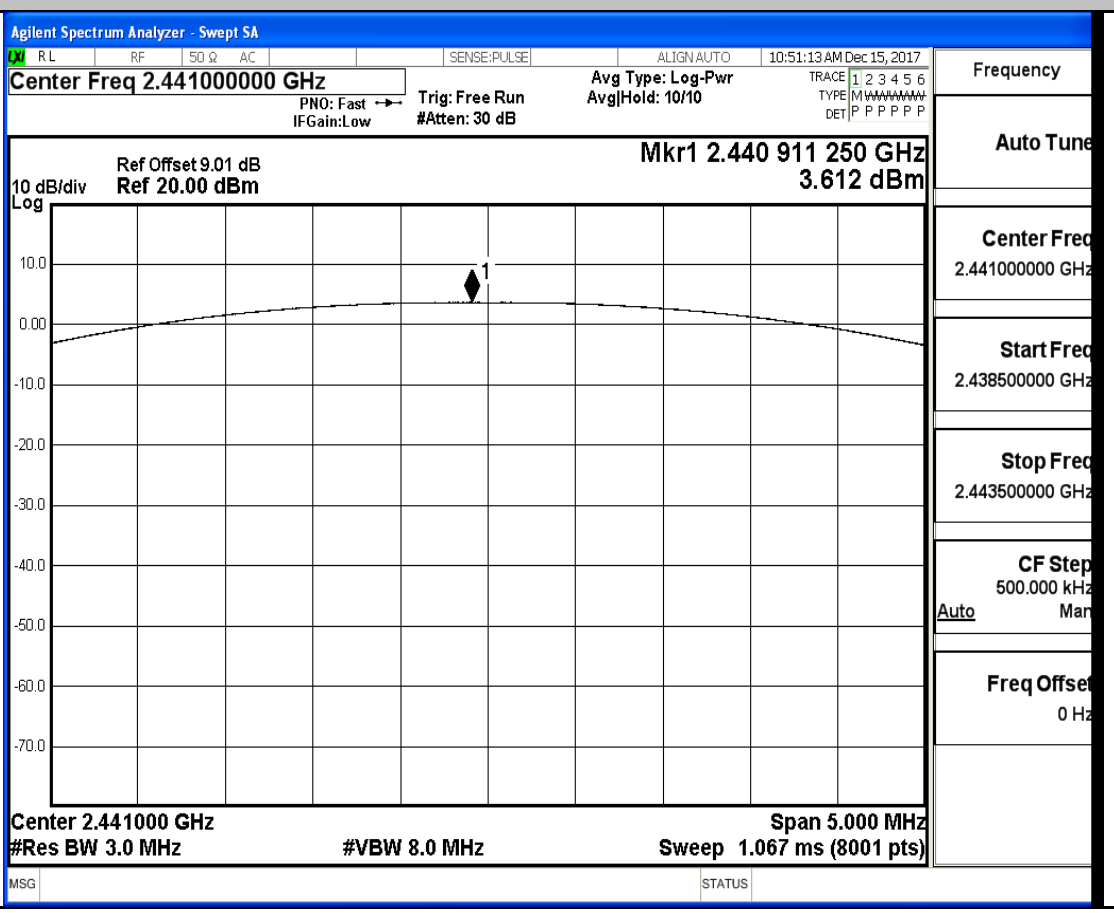
A.2.Conducted Peak Output Power

Test Mode	Test Channel	Measured Maximum Peak Power(dBm)	Limits (dBm)	Verdict
DH5	2402	3.729	30	PASS
DH5	2441	3.612	30	PASS
DH5	2480	3.387	30	PASS
2DH5	2402	3.036	30	PASS
2DH5	2441	2.948	30	PASS
2DH5	2480	2.753	30	PASS
3DH5	2402	3.435	30	PASS
3DH5	2441	3.422	30	PASS
3DH5	2480	3.190	30	PASS

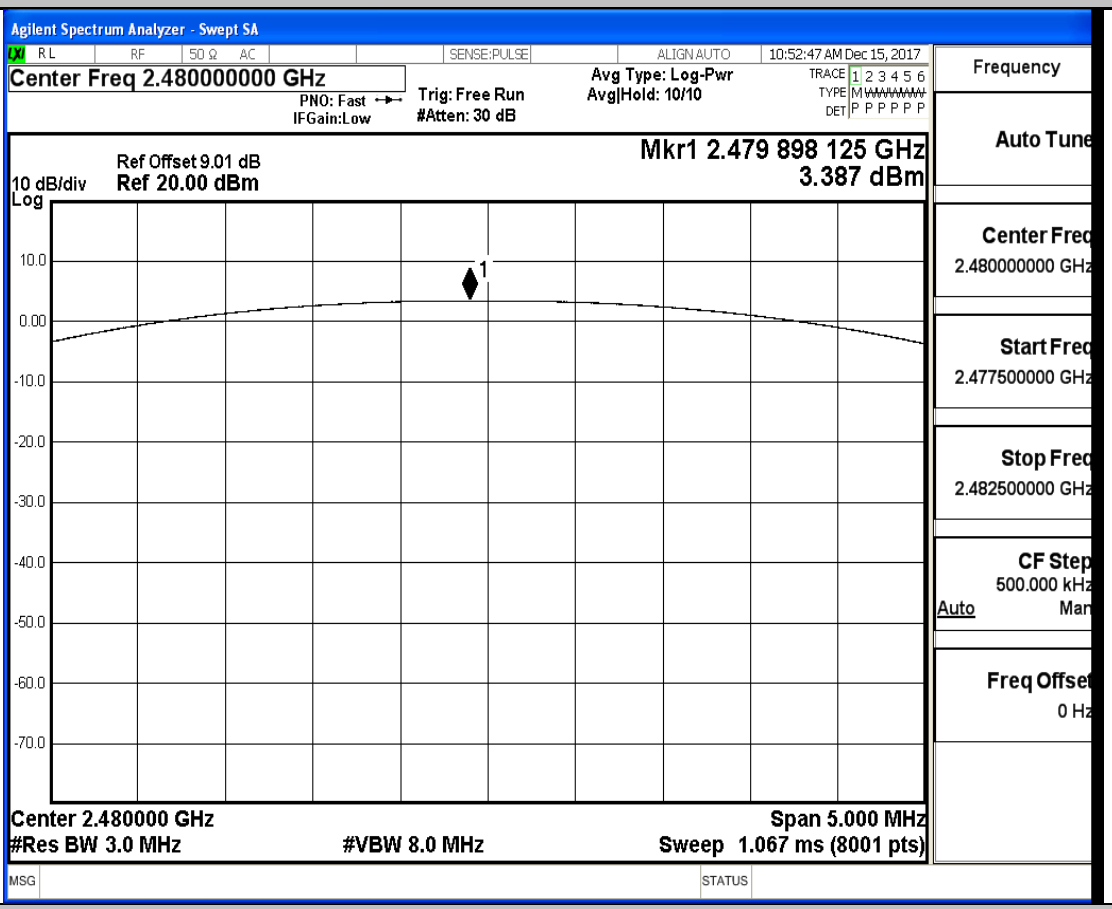
Conducted Peak Output Power_DH5_2402



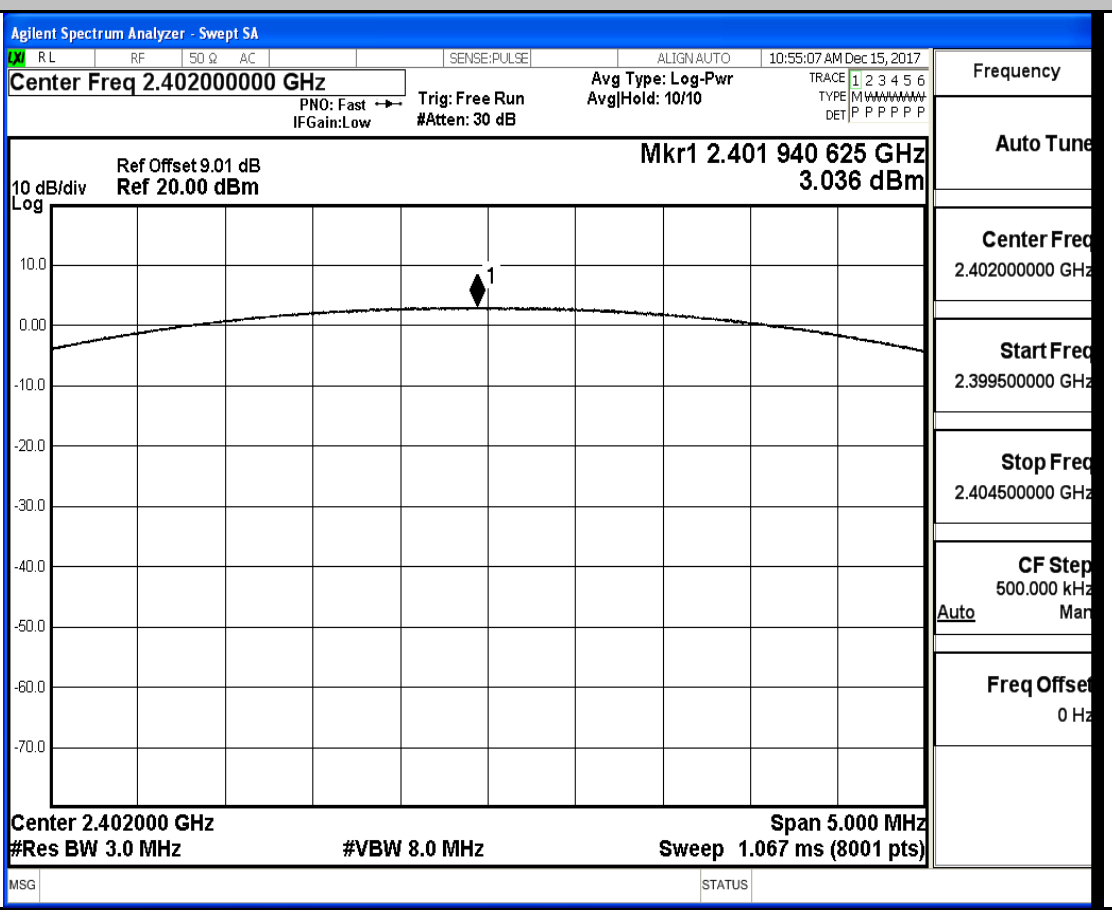
Conducted Peak Output Power_DH5_2441



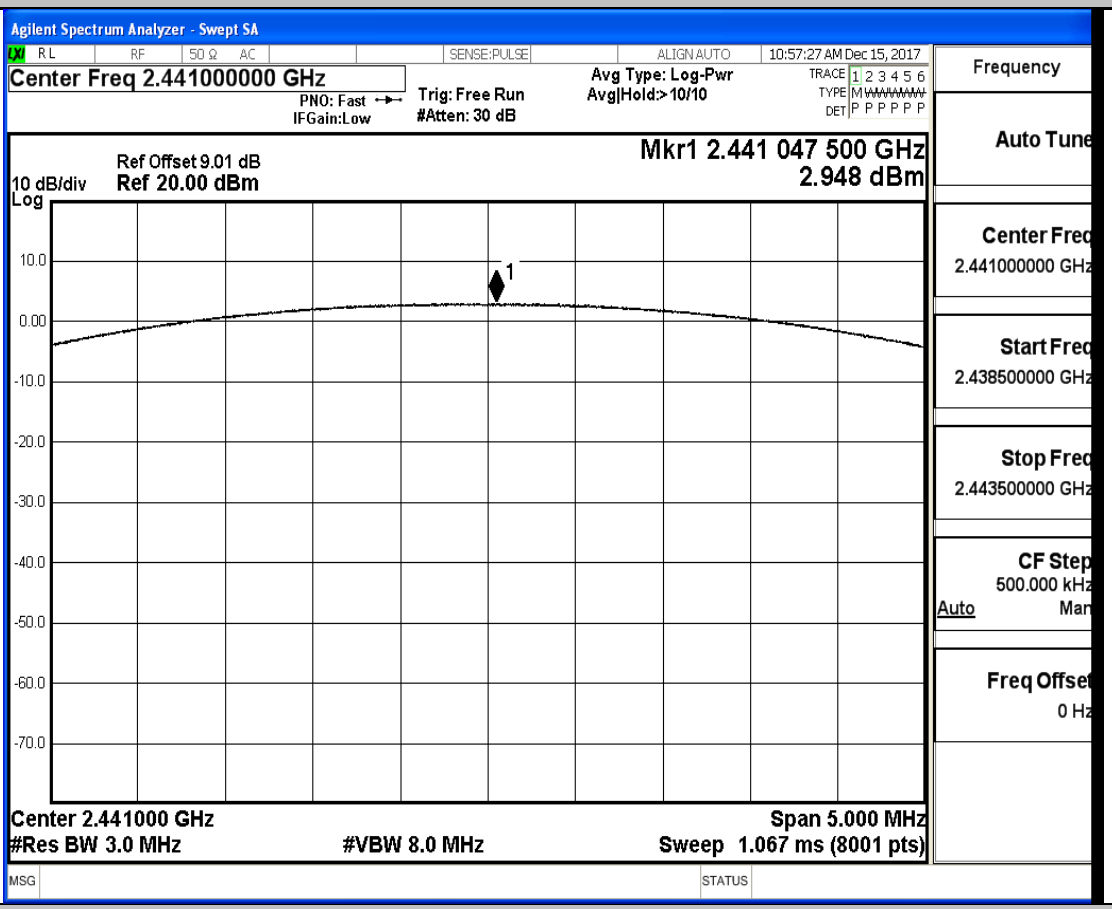
Conducted Peak Output Power_DH5_2480



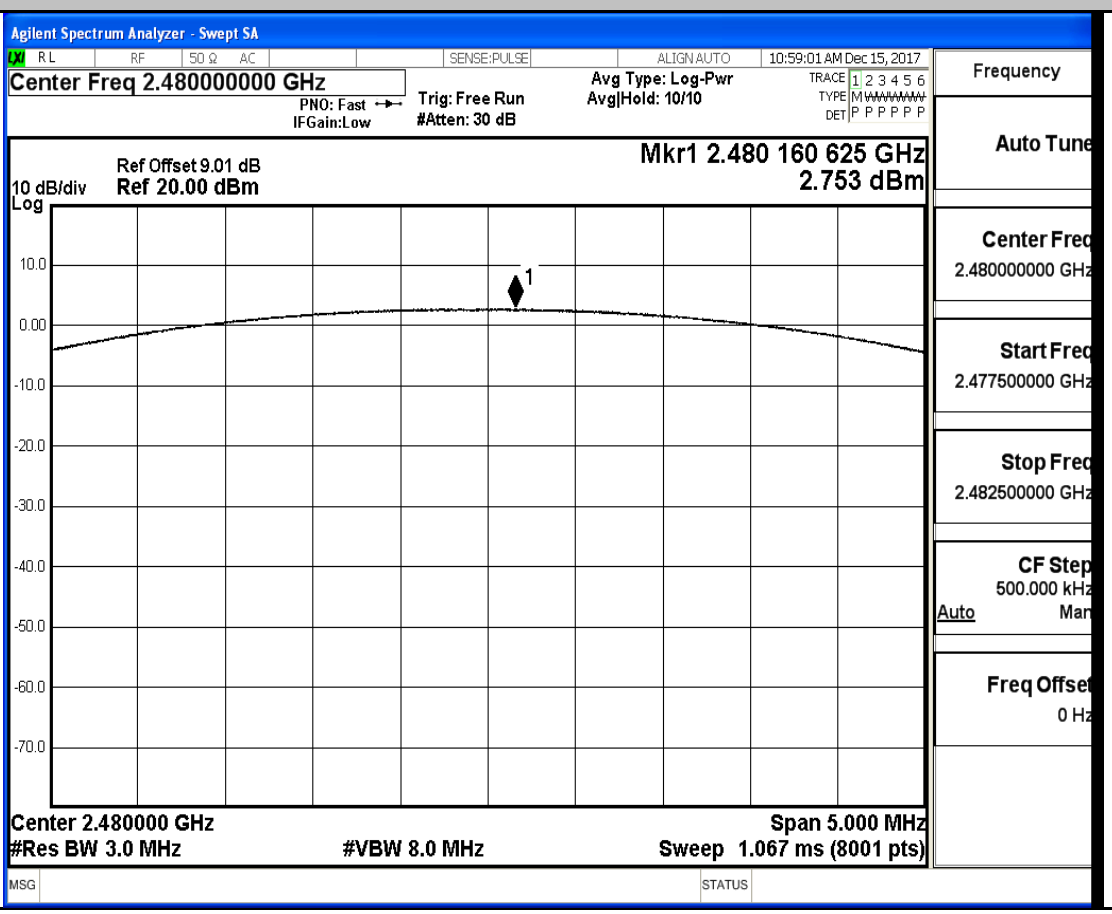
Conducted Peak Output Power_2DH5_2402



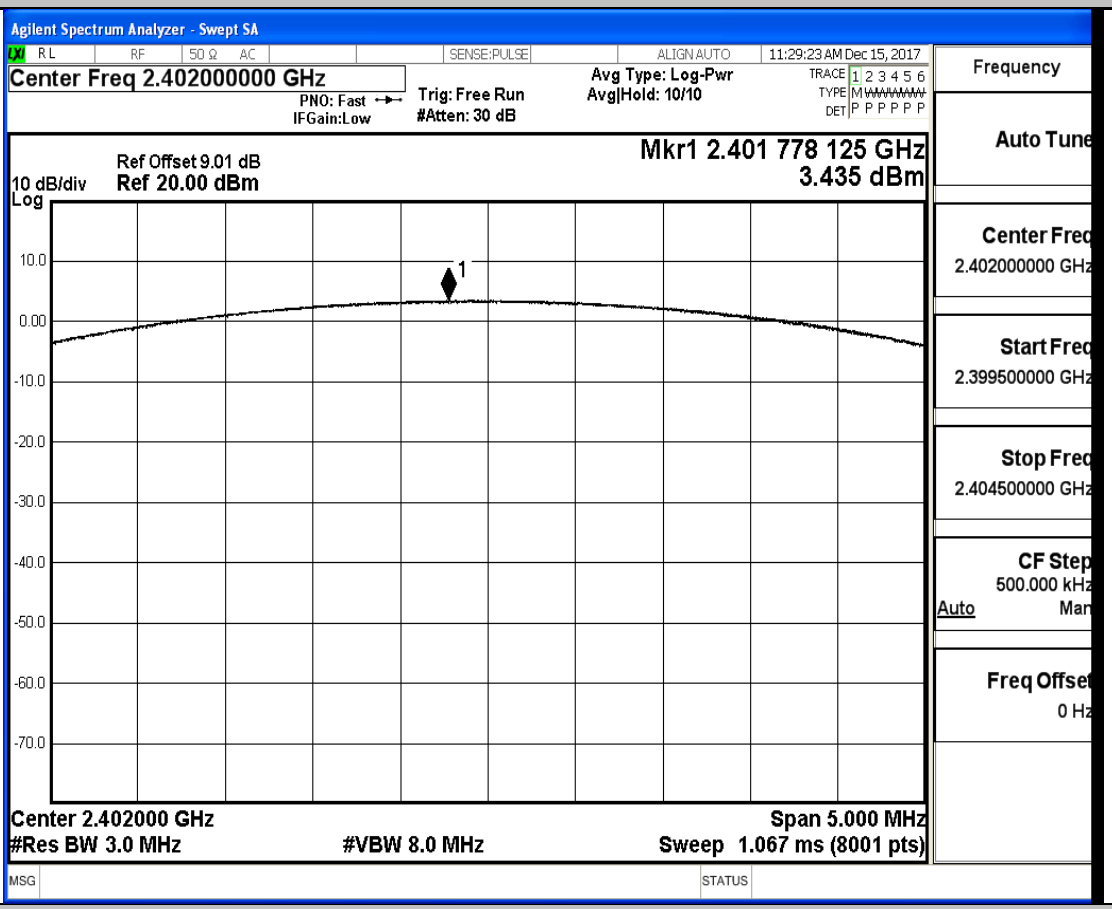
Conducted Peak Output Power_2DH5_2441



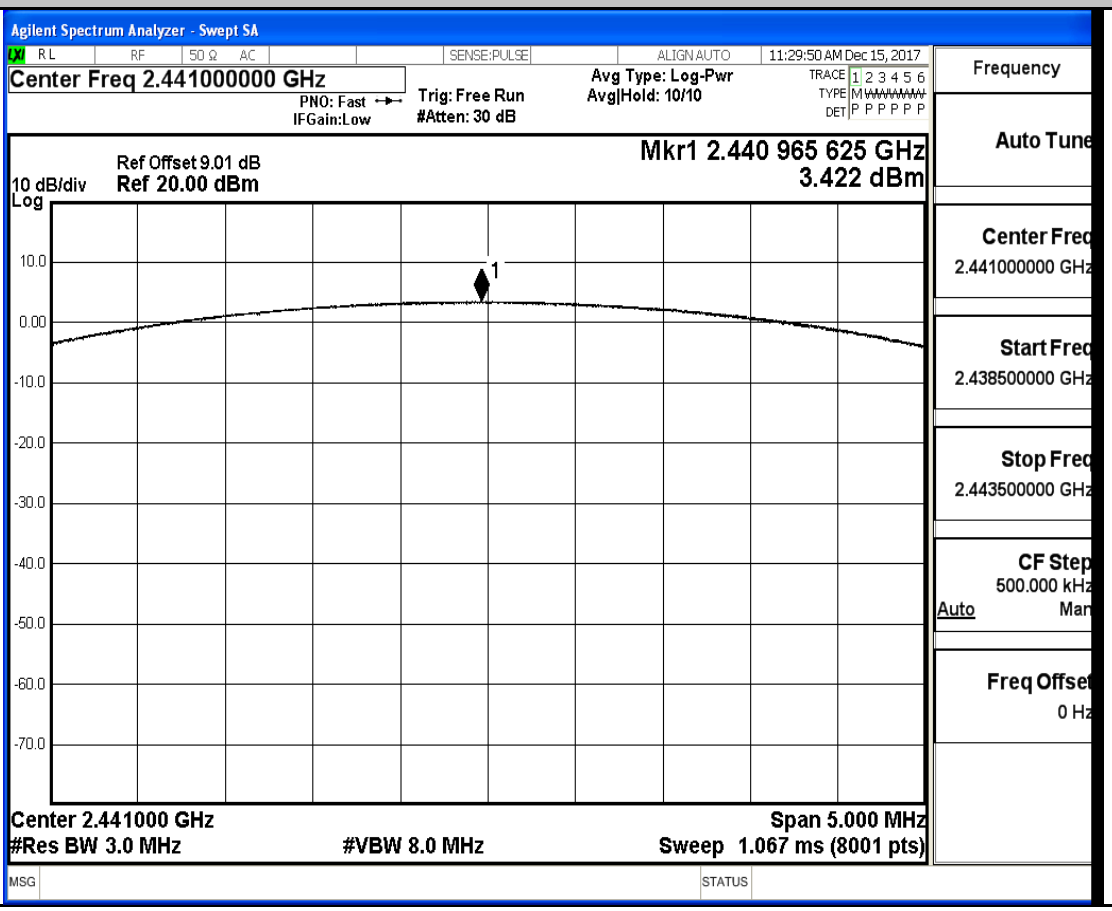
Conducted Peak Output Power_2DH5_2480



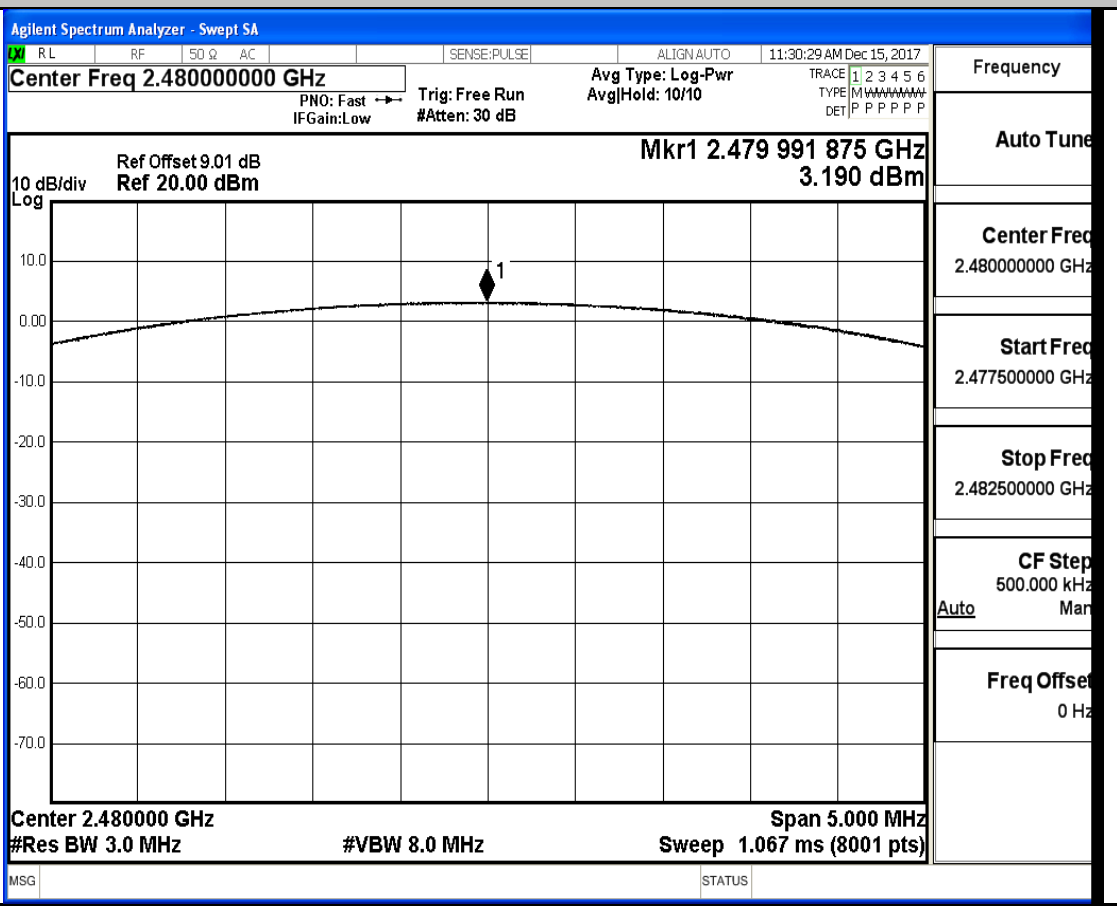
Conducted Peak Output Power_3DH5_2402



Conducted Peak Output Power_3DH5_2441



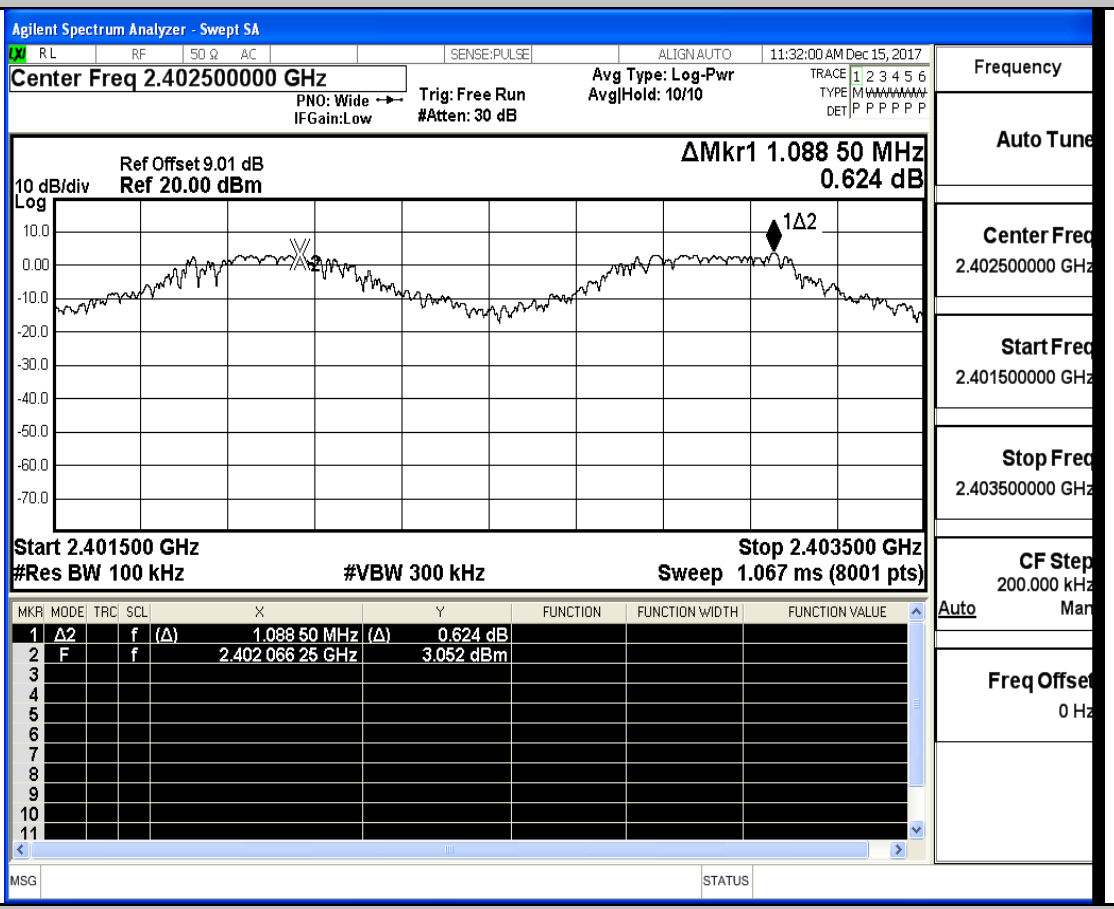
Conducted Peak Output Power_3DH5_2480



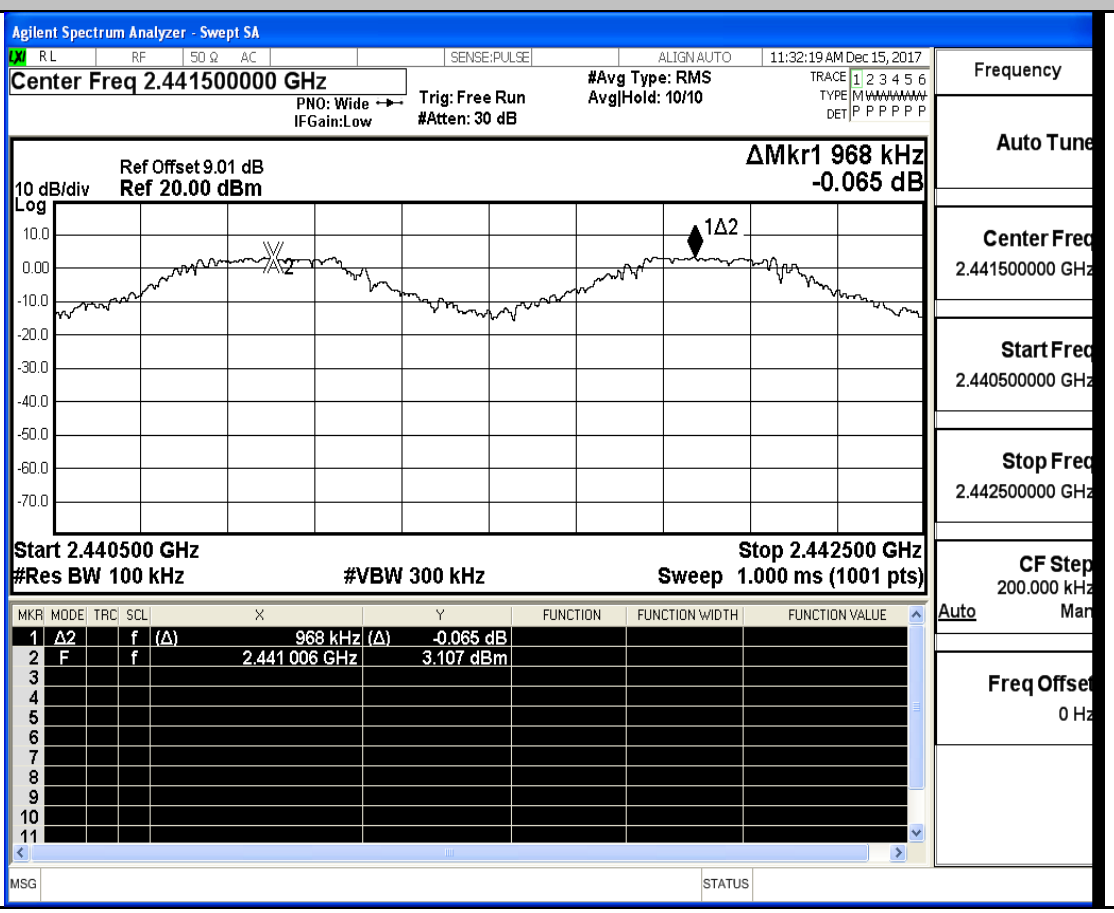
A.3.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	2402	1.089	0.69	PASS
DH5	2441	0.968	0.69	PASS
DH5	2480	1.108	0.69	PASS
2DH5	2402	1.136	0.86	PASS
2DH5	2441	1.024	0.86	PASS
2DH5	2480	1.266	0.86	PASS
3DH5	2402	1.004	0.86	PASS
3DH5	2441	1.054	0.87	PASS
3DH5	2480	0.908	0.87	PASS

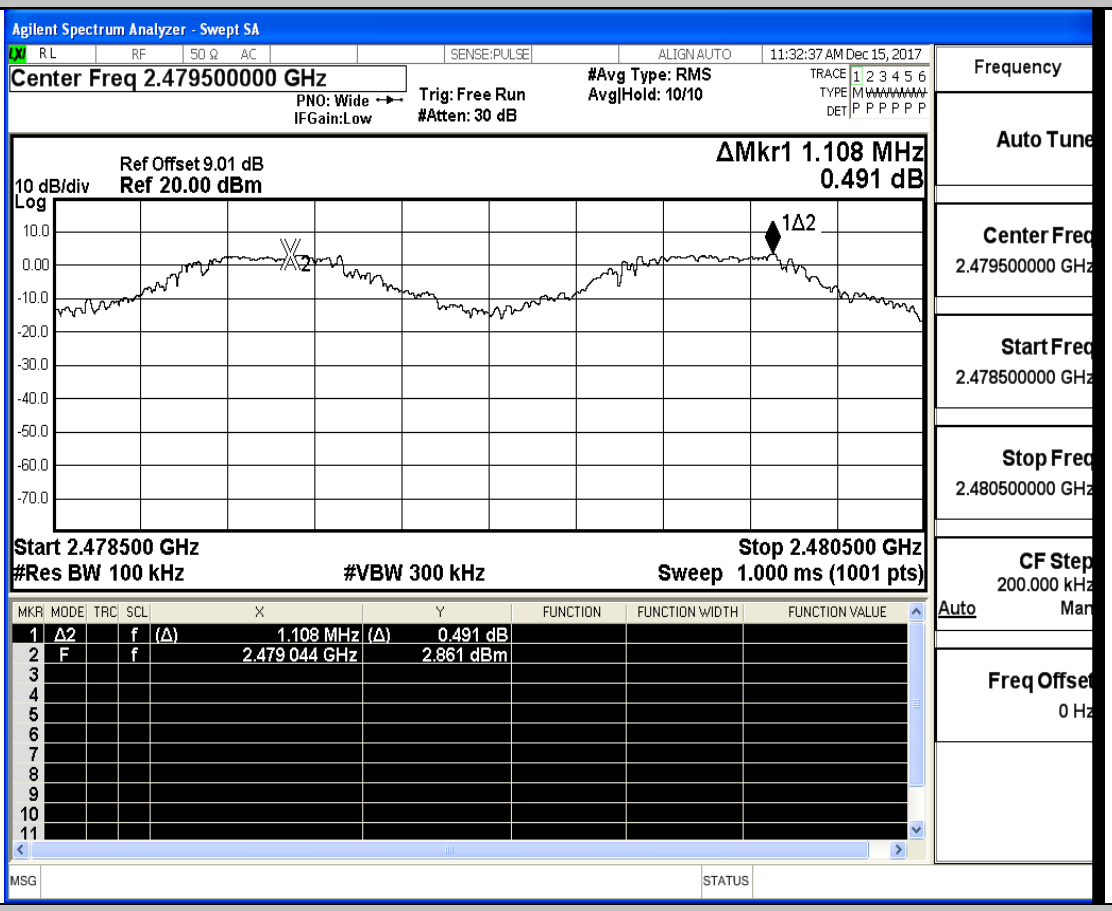
Carrier Frequency Separation_DH5_2402



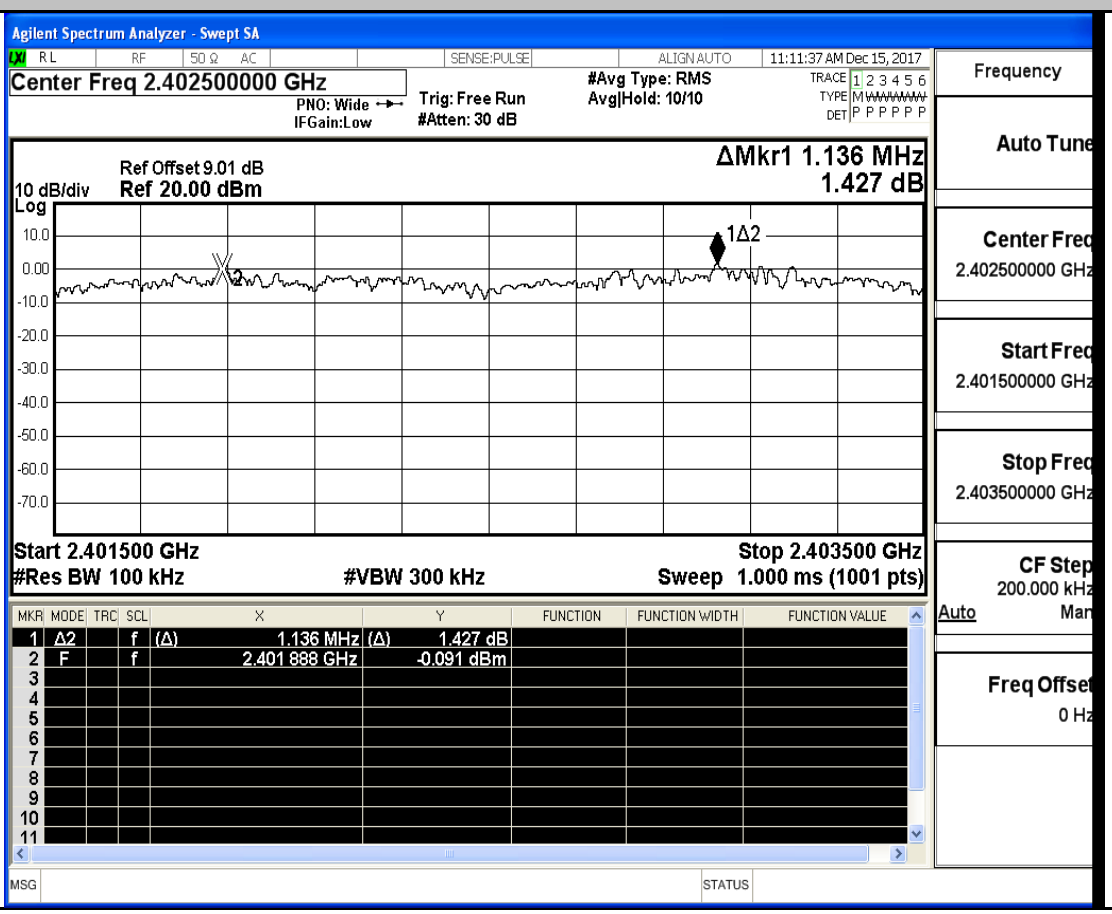
Carrier Frequency Separation_DH5_2441



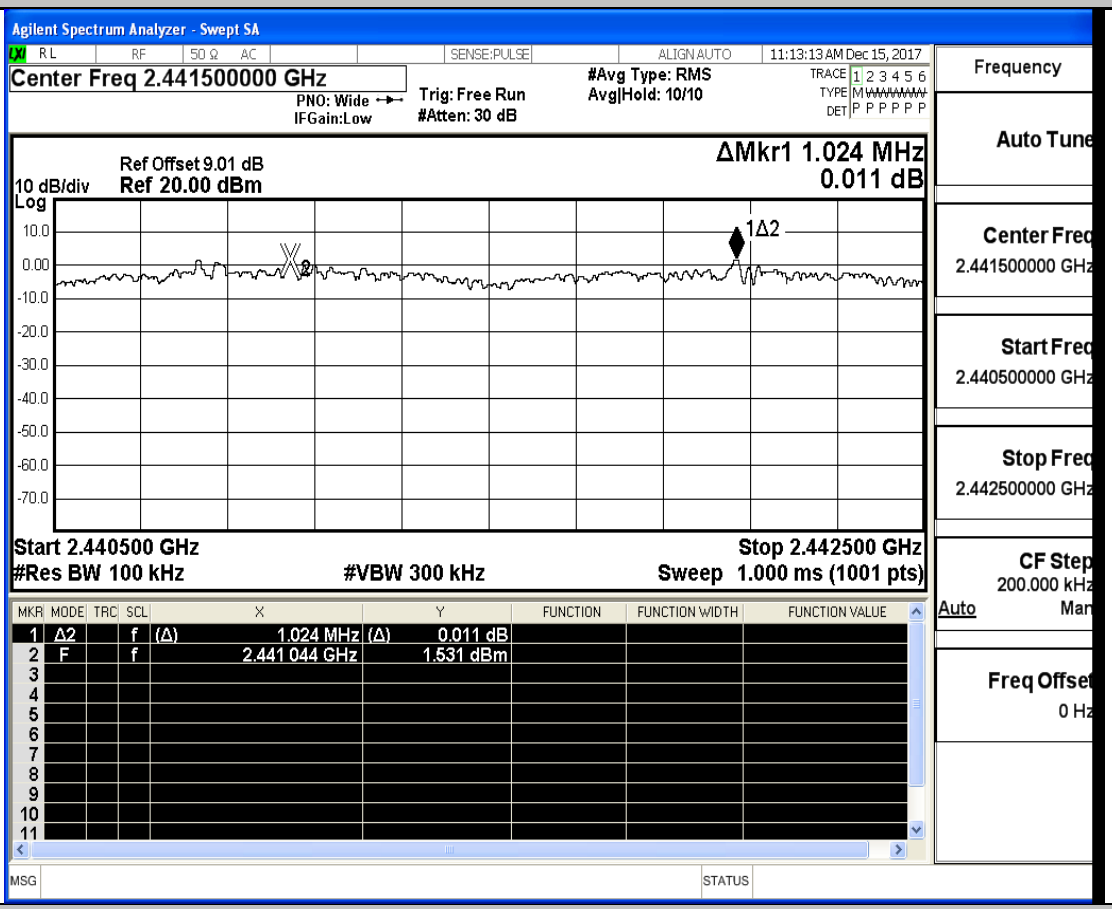
Carrier Frequency Separation_DH5_2480



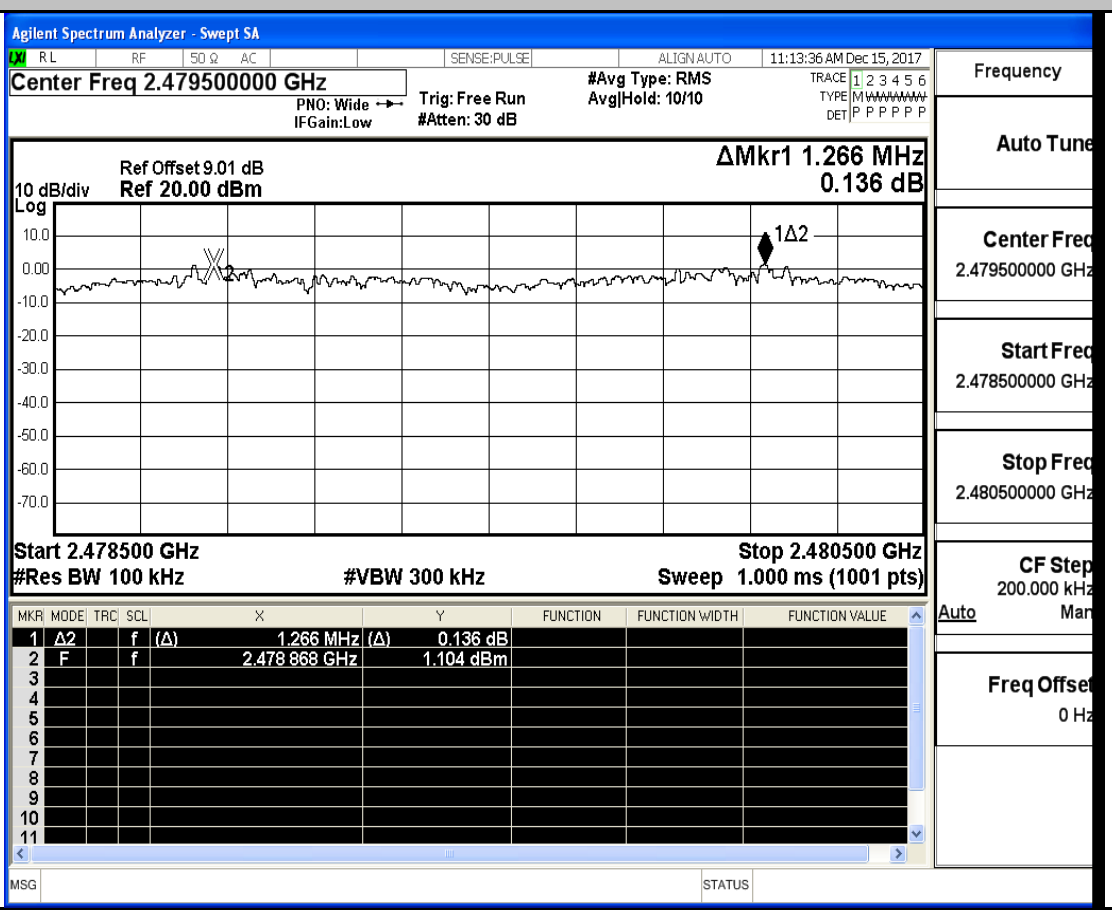
Carrier Frequency Separation_2DH5_2402



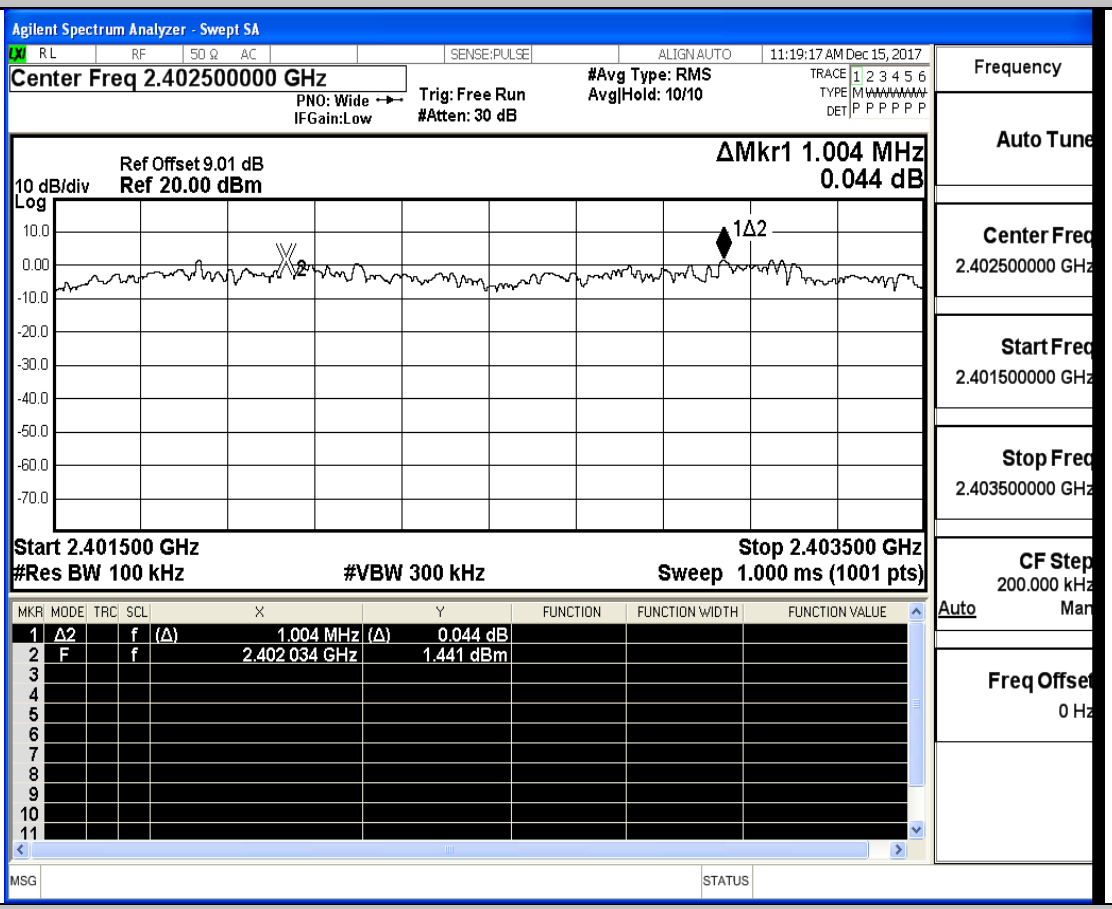
Carrier Frequency Separation_2DH5_2441



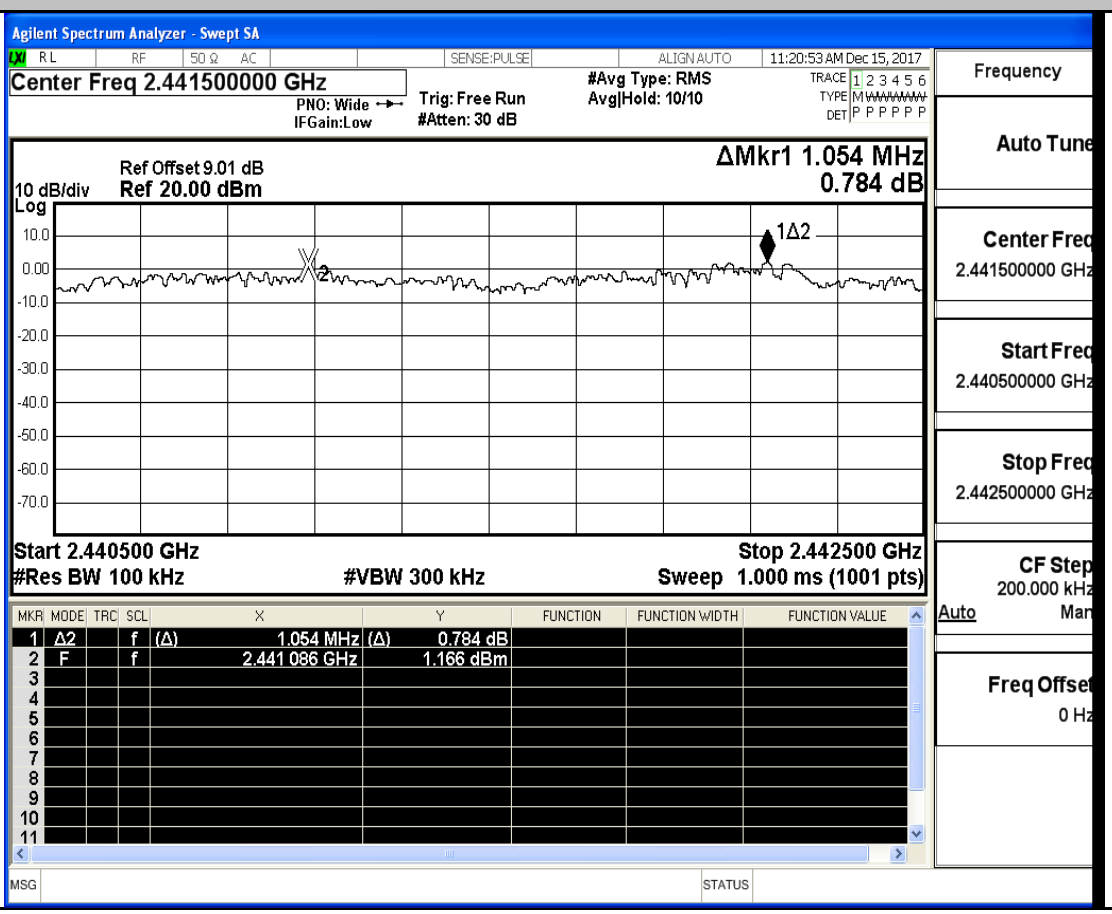
Carrier Frequency Separation_2DH5_2480



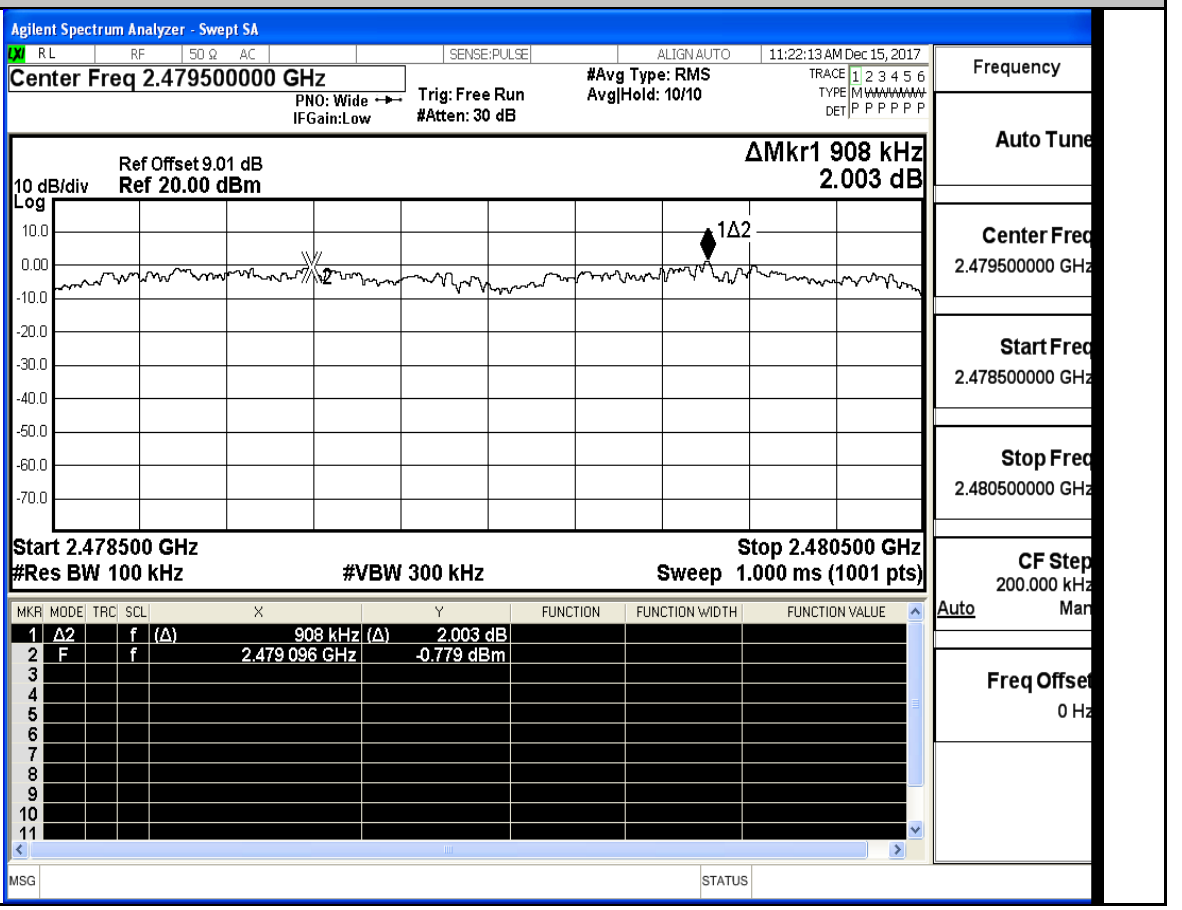
Carrier Frequency Separation_3DH5_2402



Carrier Frequency Separation_3DH5_2441



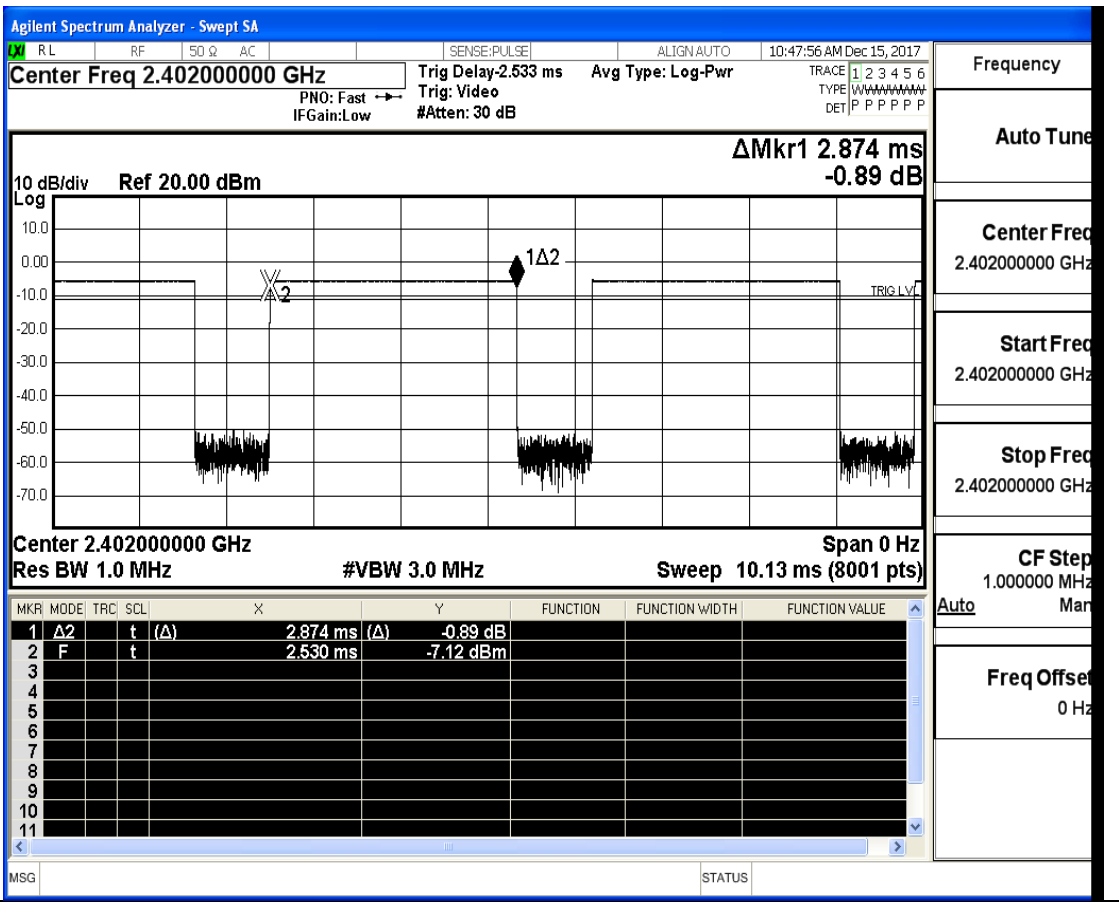
Carrier Frequency Separation_3DH5_2480



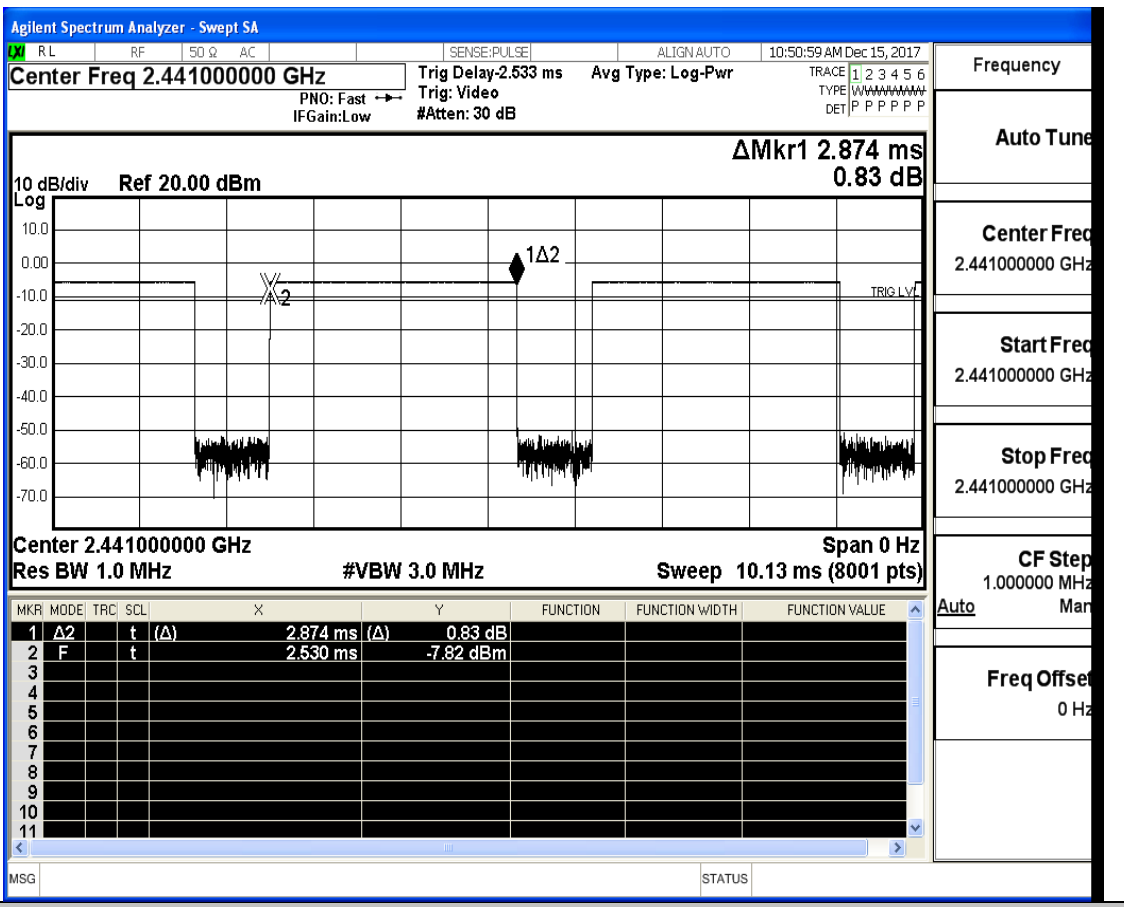
A.4.Dwell Time

Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
DH5	2402	2.87	106.7	0.306	0.4	PASS
DH5	2441	2.87	106.7	0.306	0.4	PASS
DH5	2480	2.87	106.7	0.306	0.4	PASS
2DH5	2402	2.88	106.7	0.307	0.4	PASS
2DH5	2441	2.88	106.7	0.307	0.4	PASS
2DH5	2480	2.88	106.7	0.307	0.4	PASS
3DH5	2402	2.88	106.7	0.307	0.4	PASS
3DH5	2441	2.88	106.7	0.307	0.4	PASS
3DH5	2480	2.88	106.7	0.307	0.4	PASS

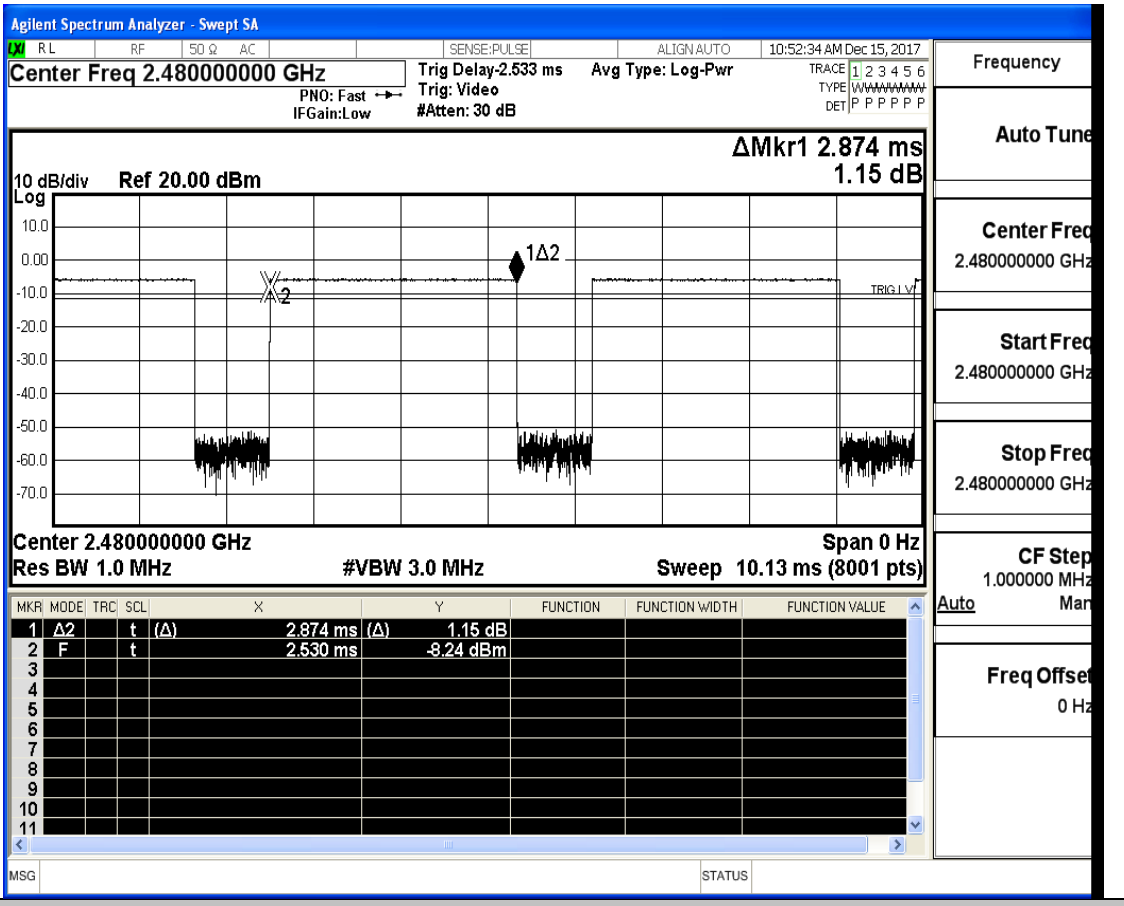
Dwell Time_DH5_2402



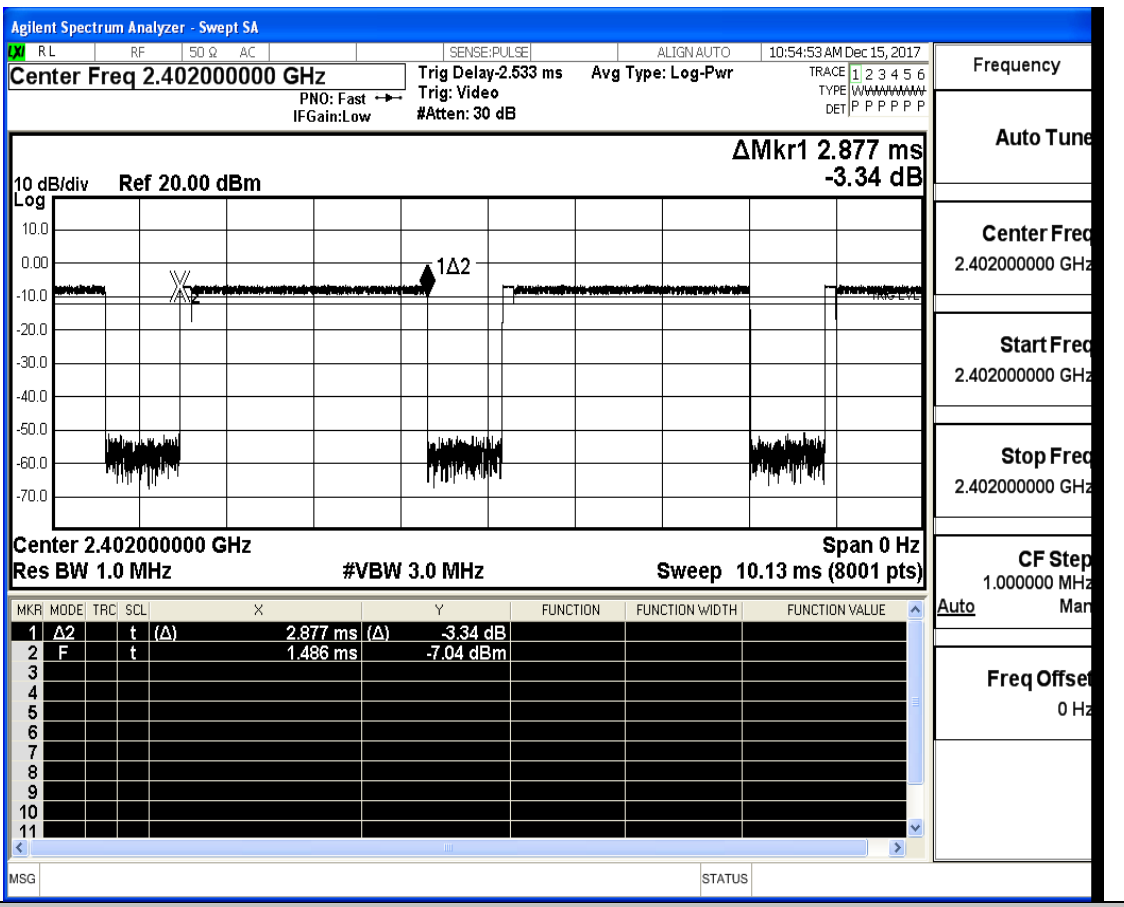
Dwell Time_DH5_2441



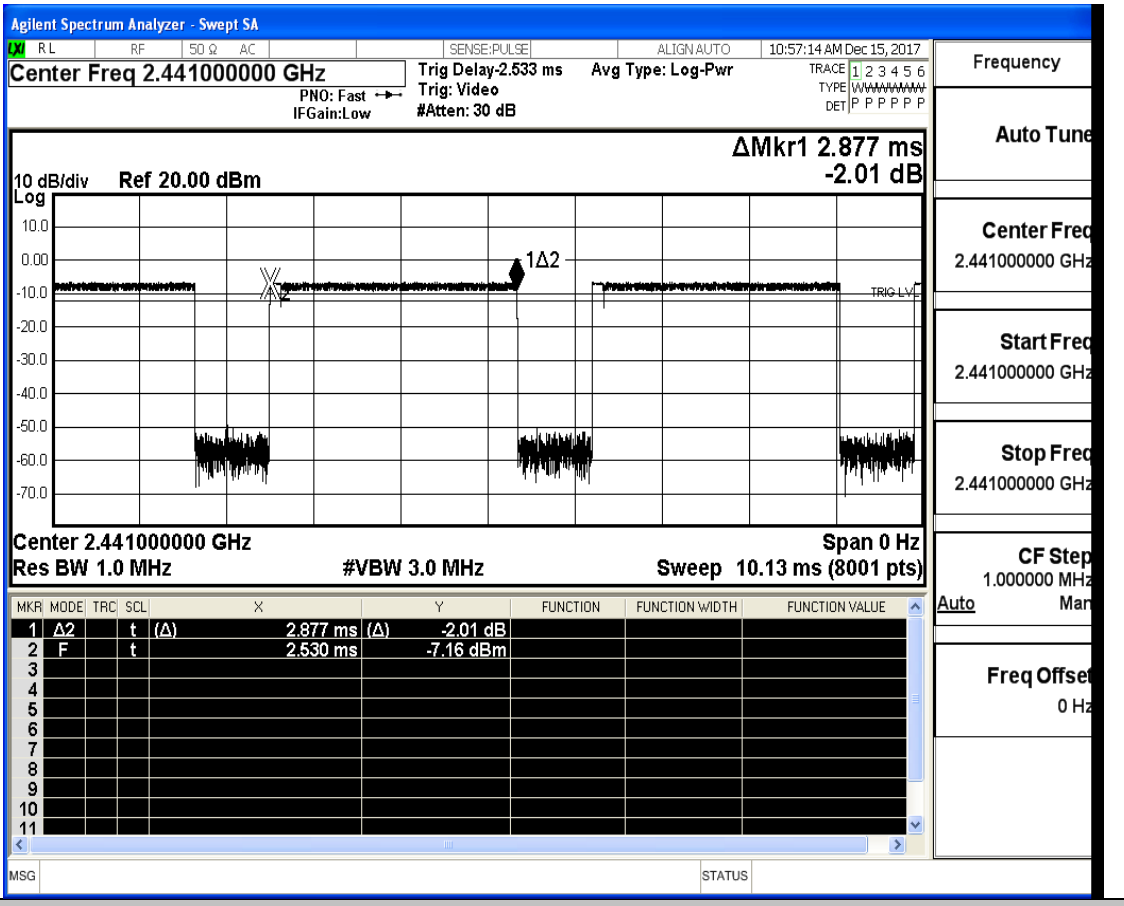
Dwell Time_DH5_2480



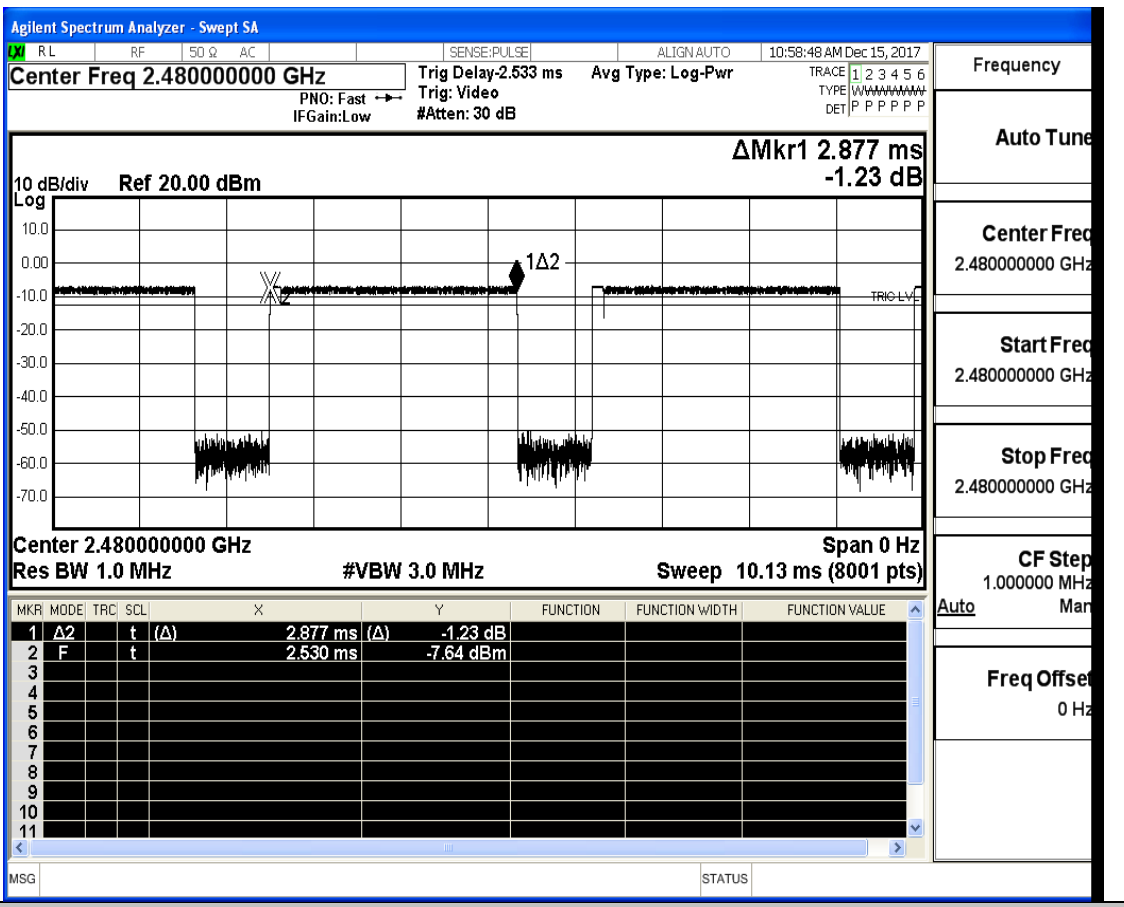
Dwell Time_2DH5_2402



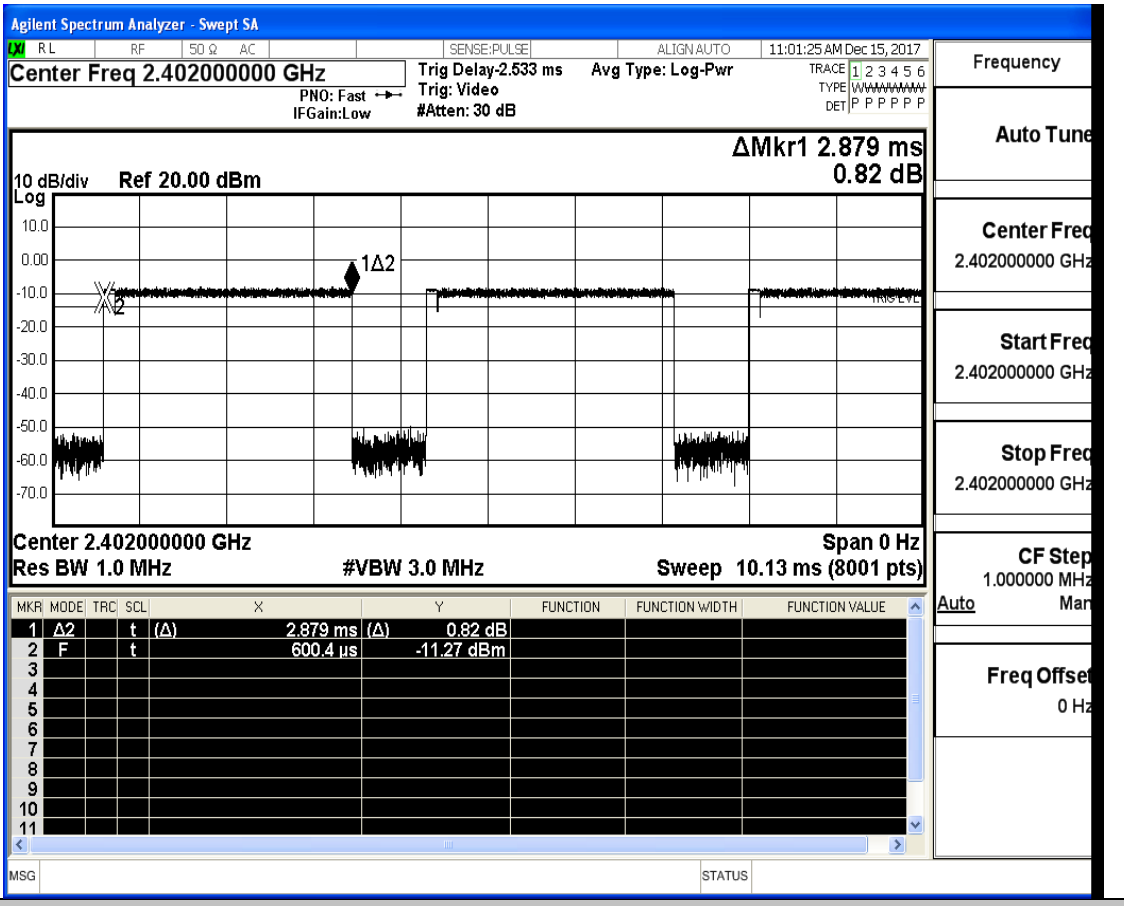
Dwell Time_2DH5_2441



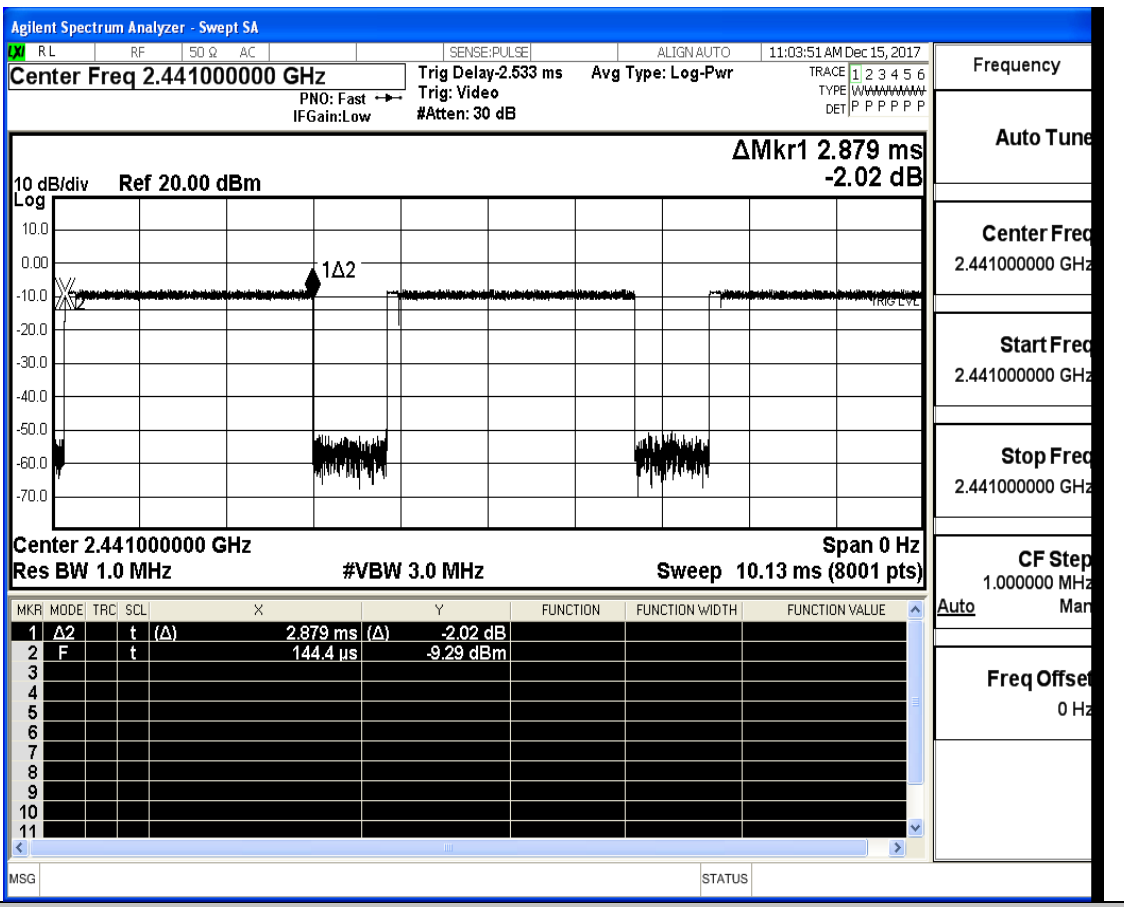
Dwell Time_2DH5_2480



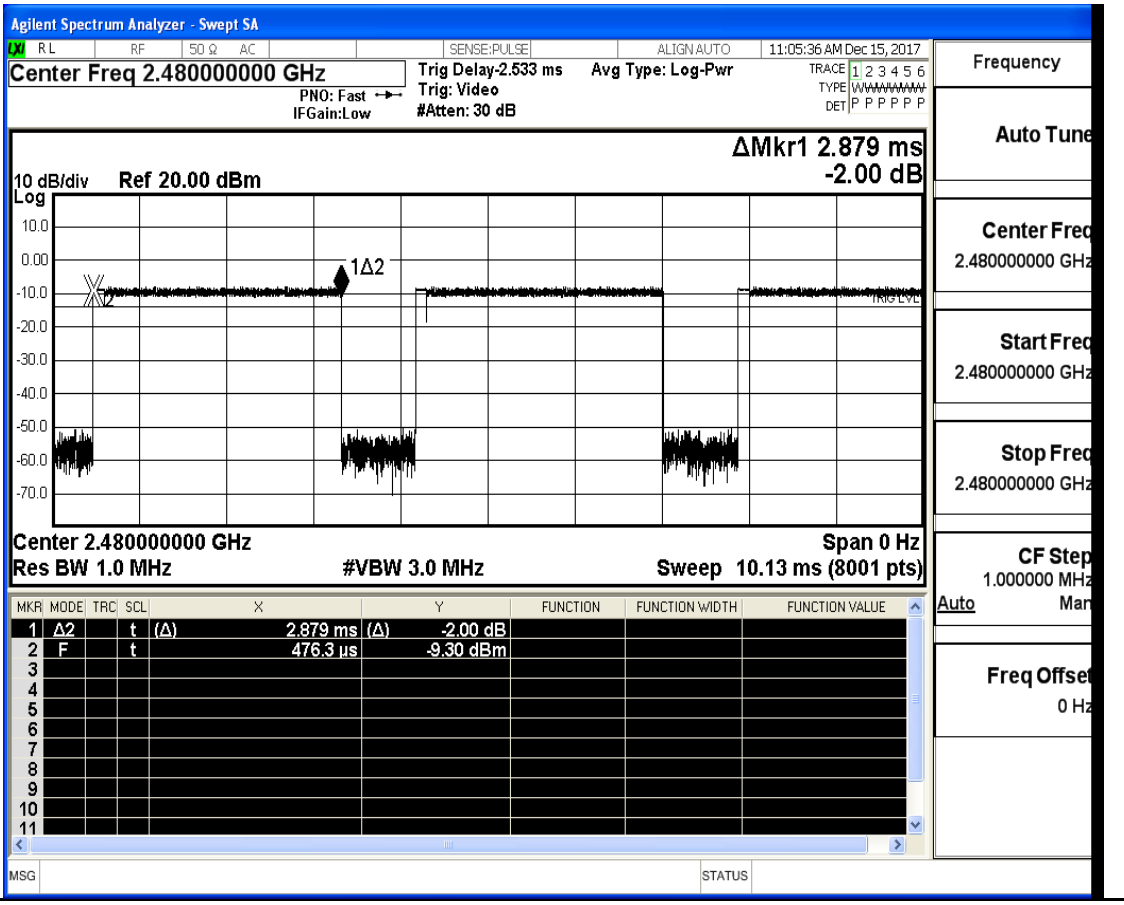
Dwell Time_3DH5_2402



Dwell Time_3DH5_2441



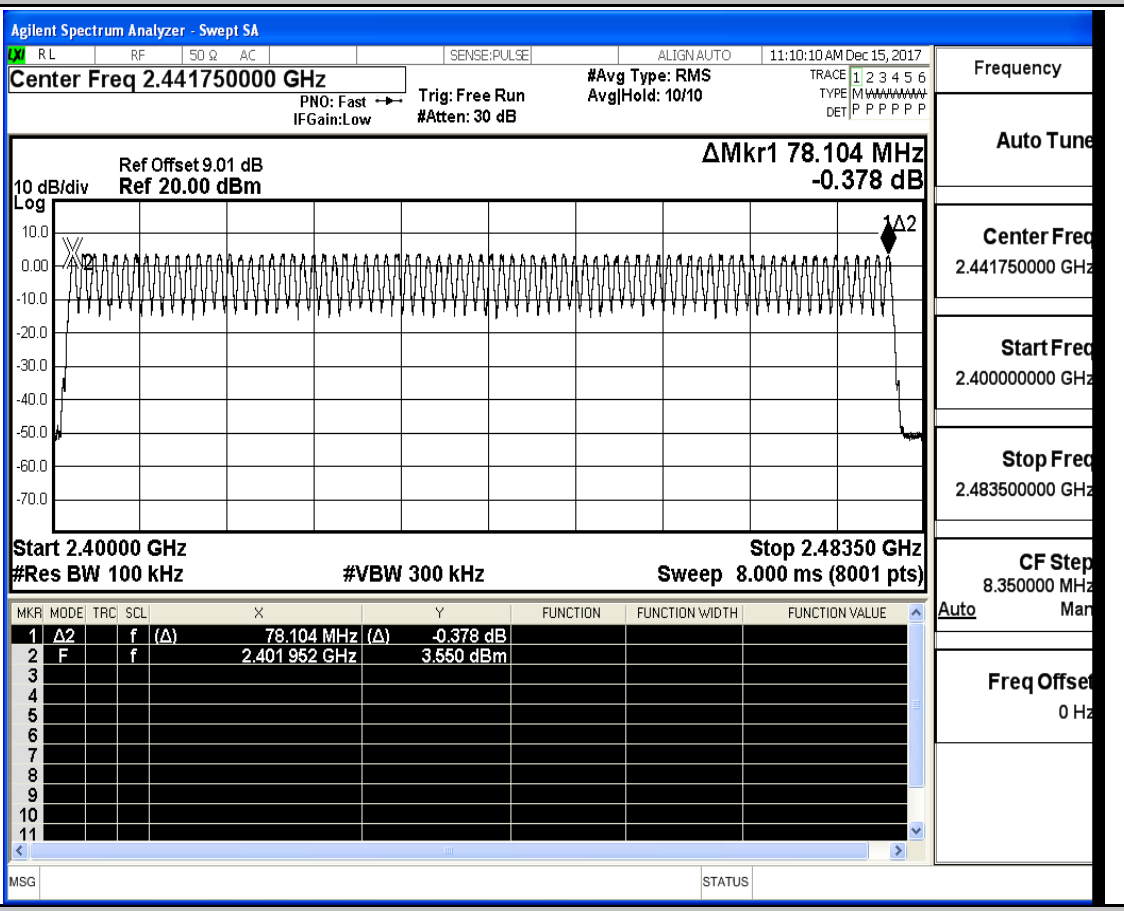
Dwell Time_3DH5_2480



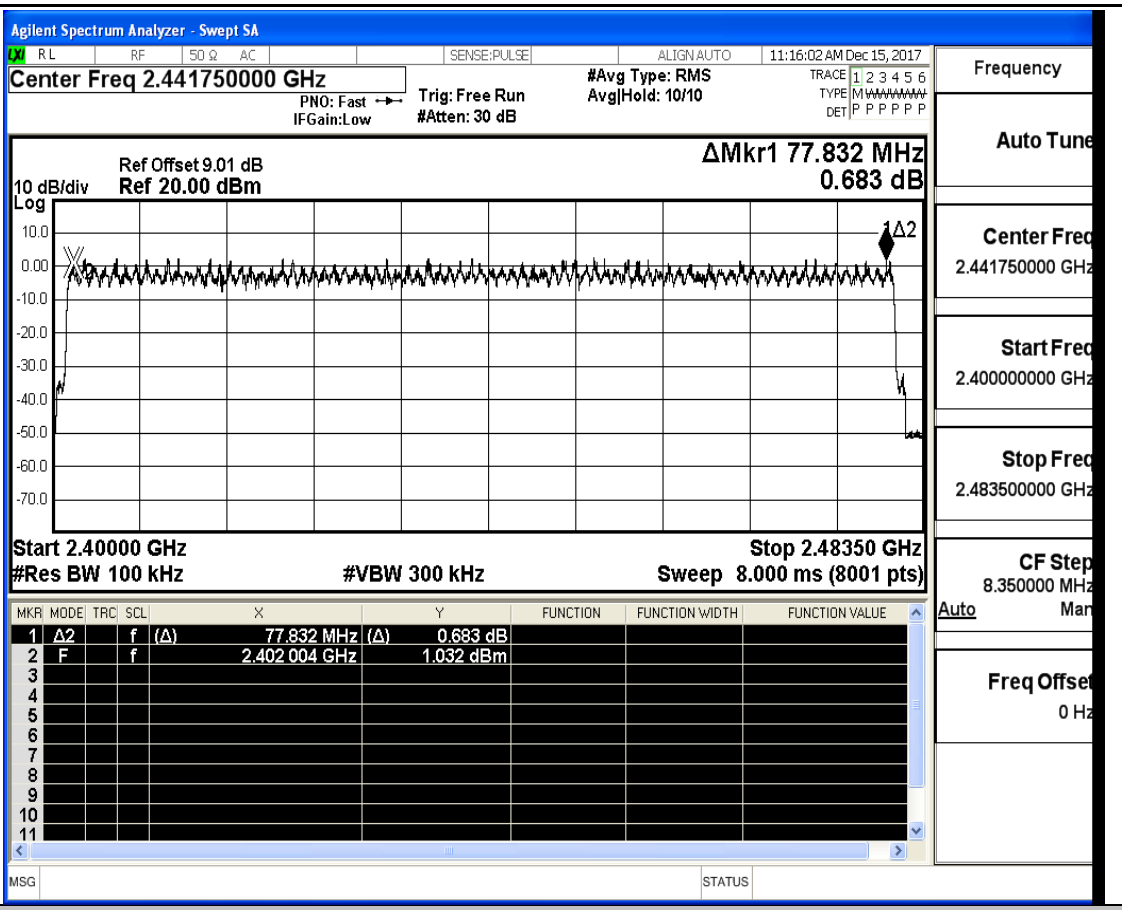
A.5.Hopping Channel Number

Test Mode	Test Channel	Number of Hopping Channel[N]	Limit[N]	Verdict
DH5	2402	79	>=15	PASS
2DH5	2402	79	>=15	PASS
3DH5	2402	79	>=15	PASS

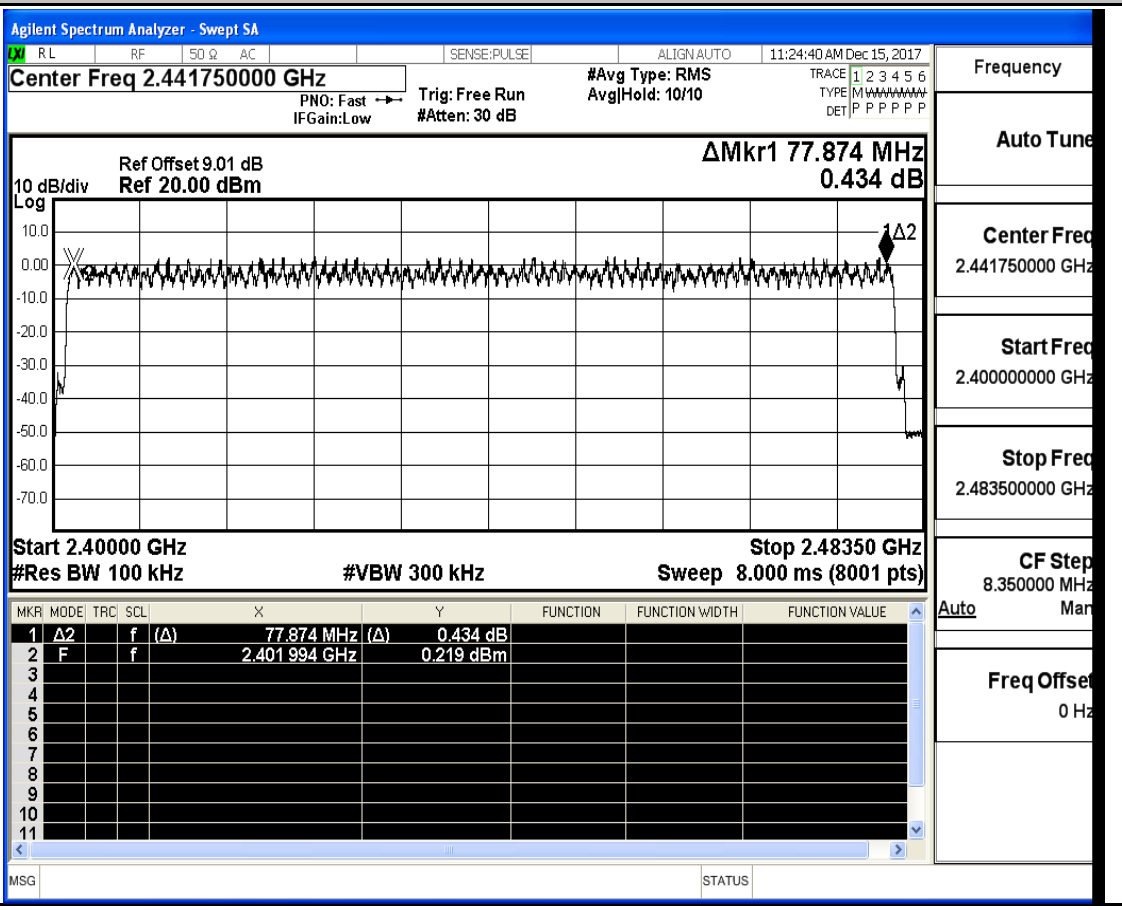
Hopping Channel Number_DH5_2402



Hopping Channel Number_2DH5_2402



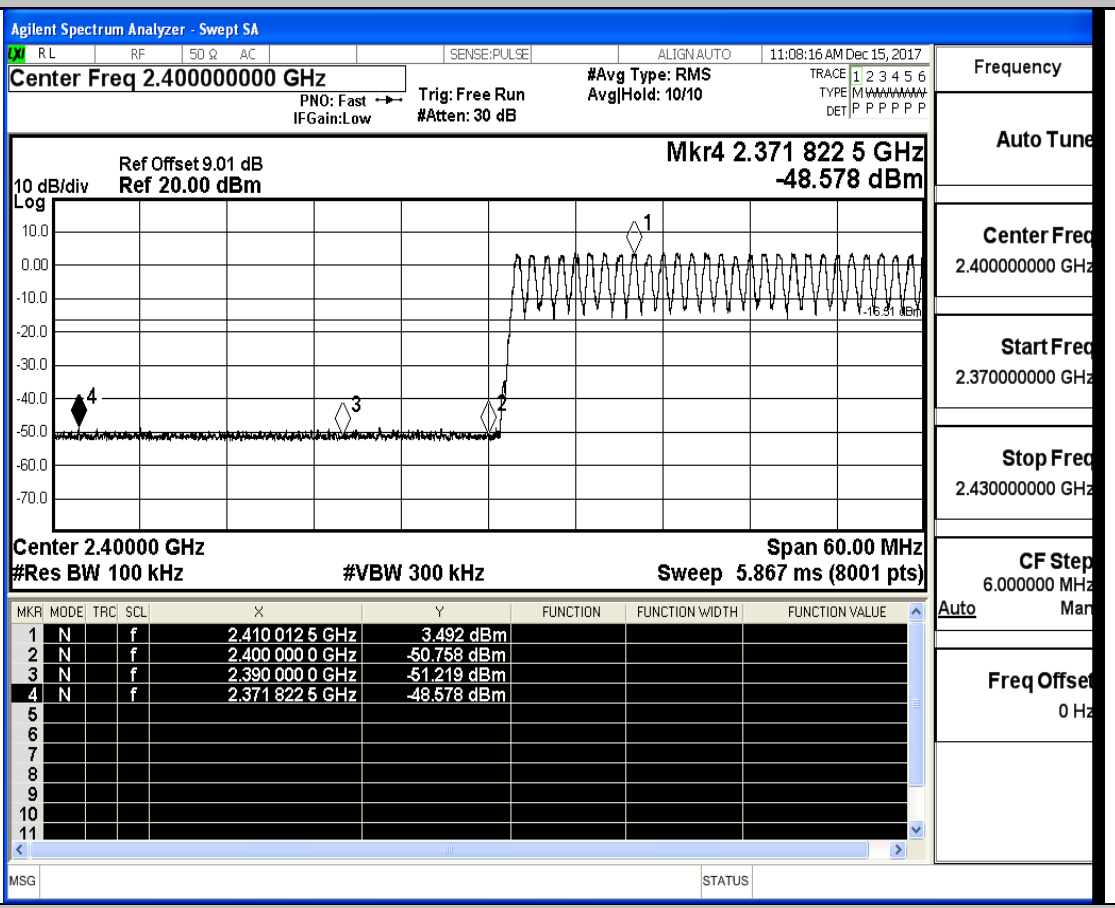
Hopping Channel Number_3DH5_2402



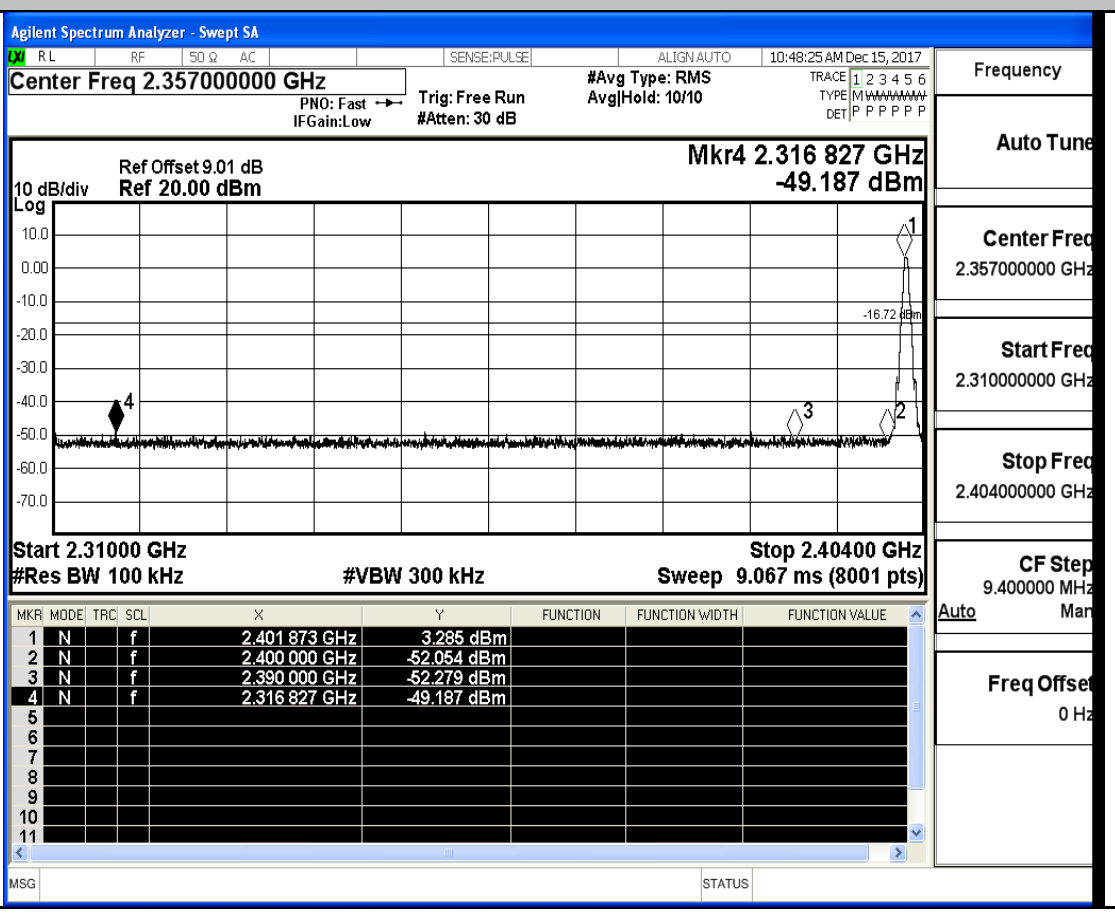
A.6.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH5	2402	On	3.492	-48.578	-16.51	PASS
DH5	2402	Off	3.285	-49.187	-16.72	PASS
DH5	2480	On	3.383	-48.775	-16.62	PASS
DH5	2480	Off	3.081	-48.146	-16.92	PASS
2DH5	2402	On	2.284	-48.902	-17.72	PASS
2DH5	2402	Off	1.427	-49.334	-18.57	PASS
2DH5	2480	On	2.297	-48.421	-17.7	PASS
2DH5	2480	Off	1.385	-48.828	-18.62	PASS
3DH5	2402	On	2.356	-48.640	-17.64	PASS
3DH5	2402	Off	-1.358	-48.880	-21.36	PASS
3DH5	2480	On	2.267	-47.890	-17.73	PASS
3DH5	2480	Off	0.133	-49.015	-19.87	PASS

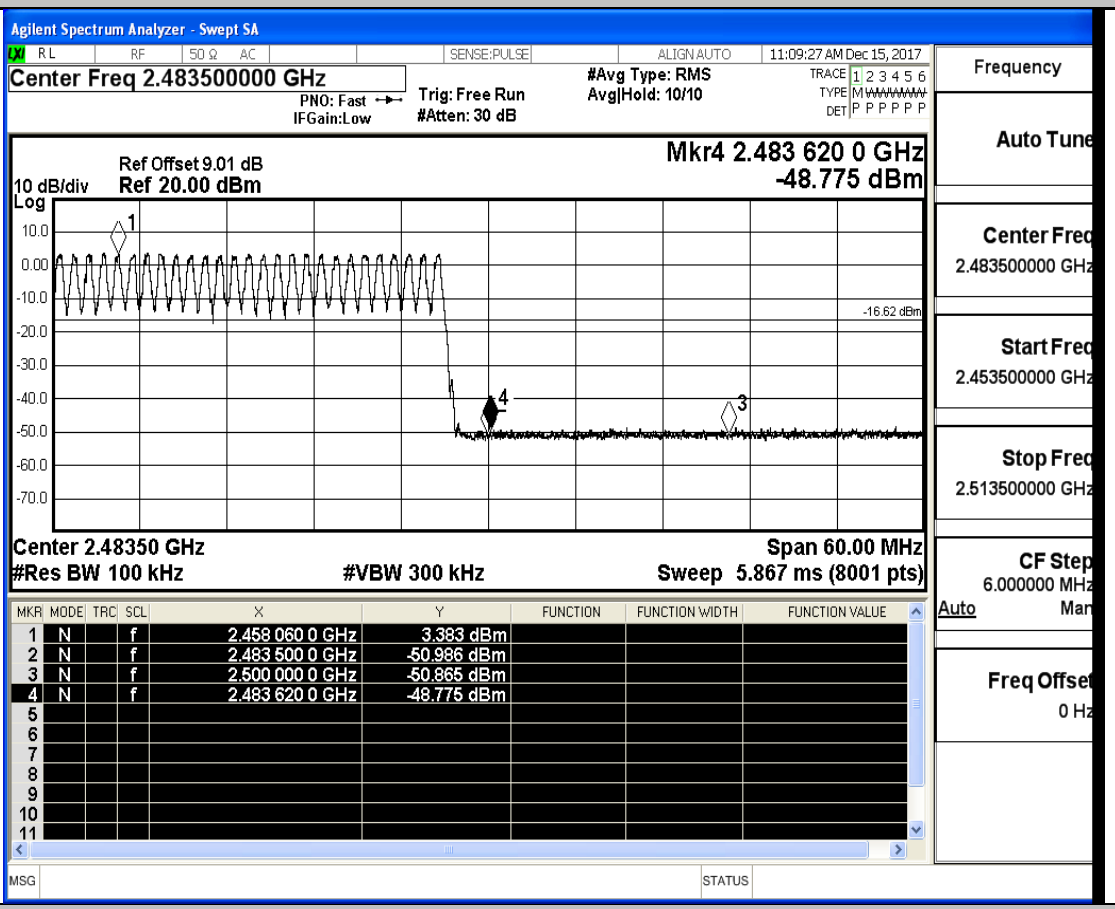
Band-edge for RF Conducted Emissions_DH5_2402_Hopping On



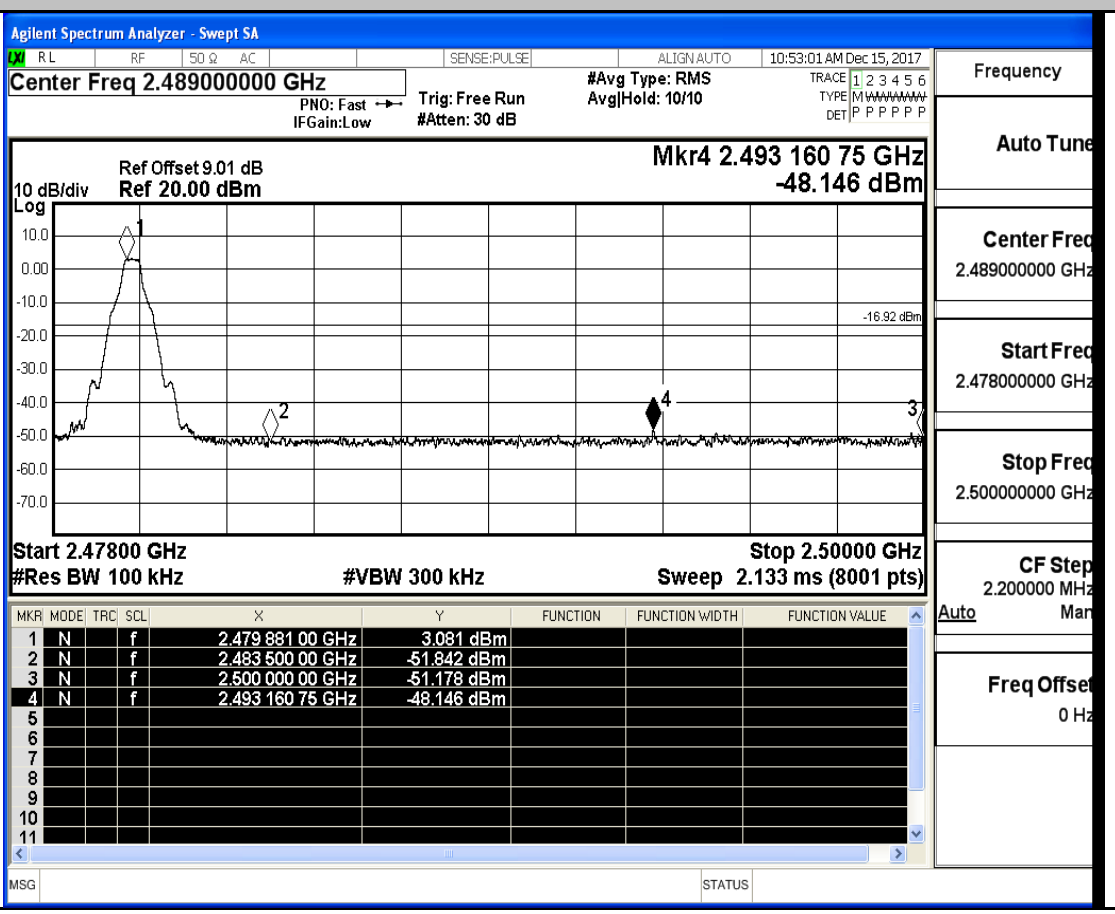
Band-edge for RF Conducted Emissions_DH5_2402_Hopping Off



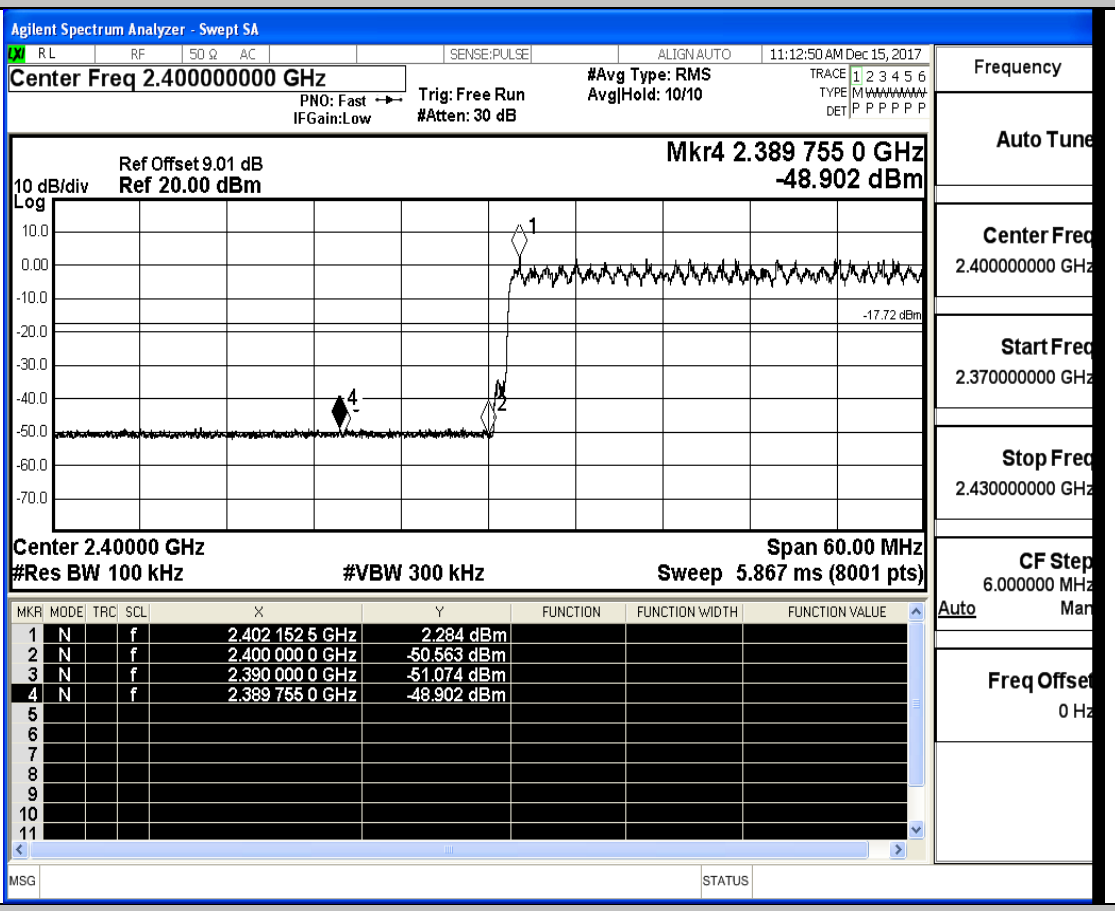
Band-edge for RF Conducted Emissions_DH5_2480_Hopping On



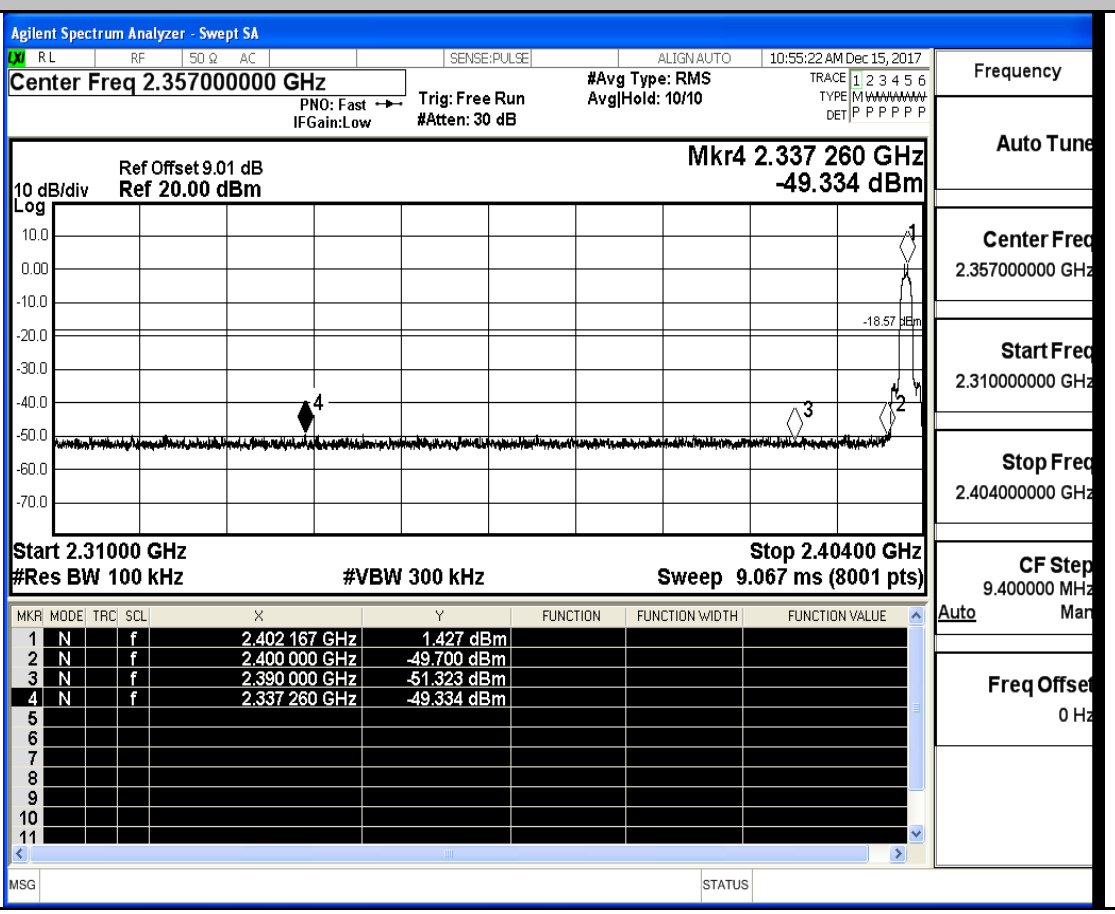
Band-edge for RF Conducted Emissions_DH5_2480_Hopping Off



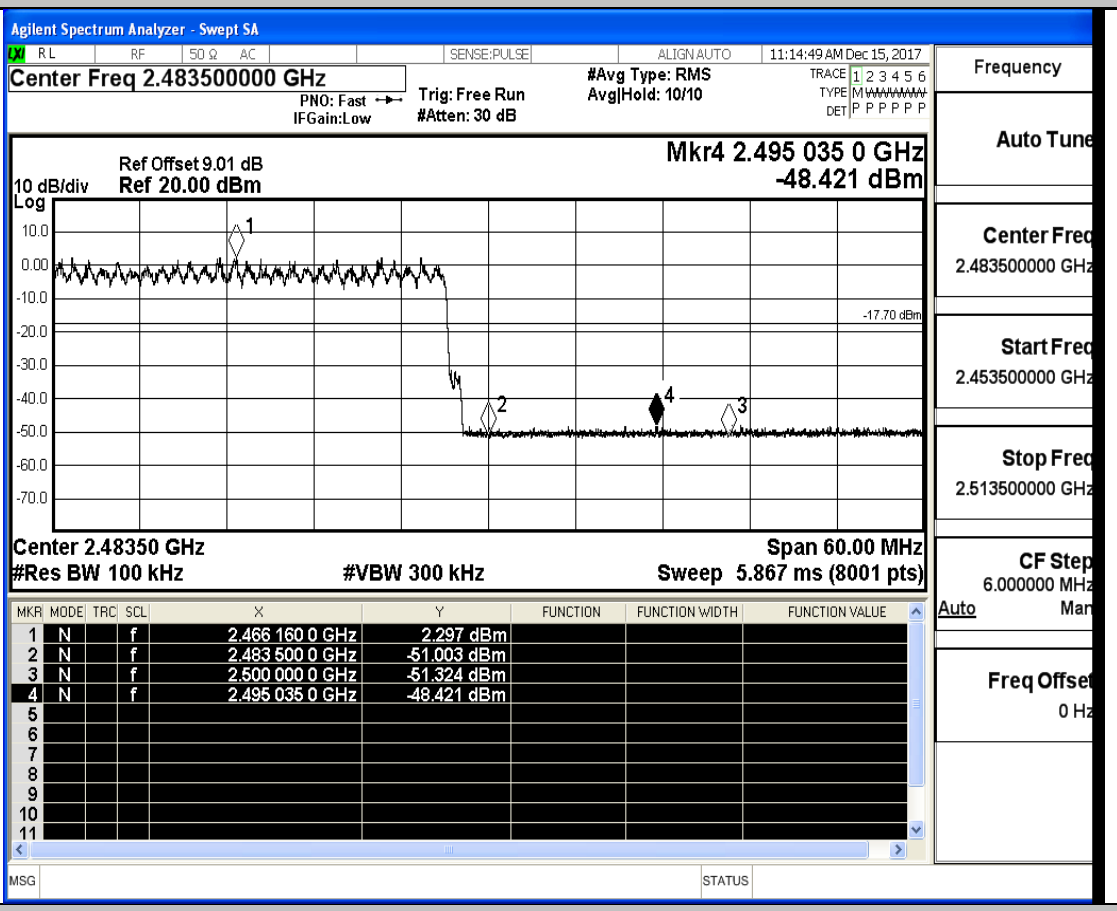
Band-edge for RF Conducted Emissions_2DH5_2402_Hopping On



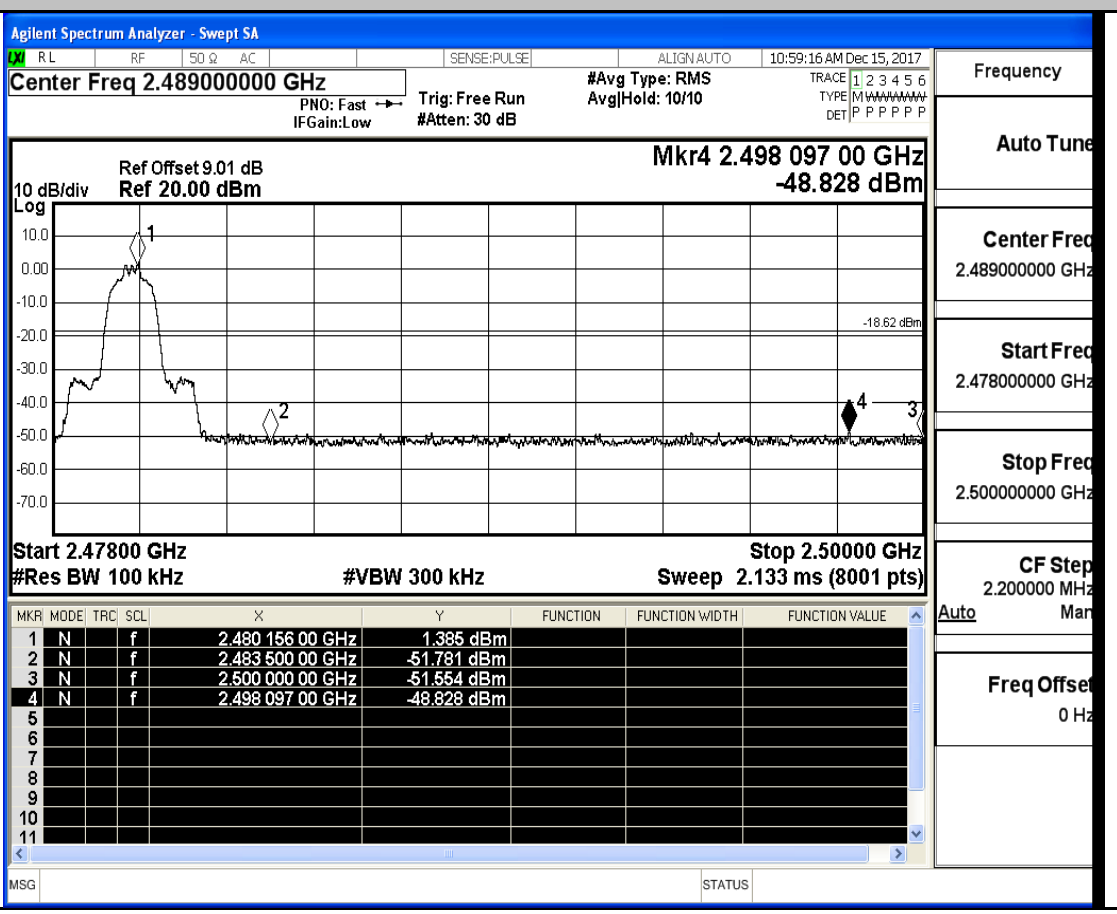
Band-edge for RF Conducted Emissions_2DH5_2402_Hopping Off



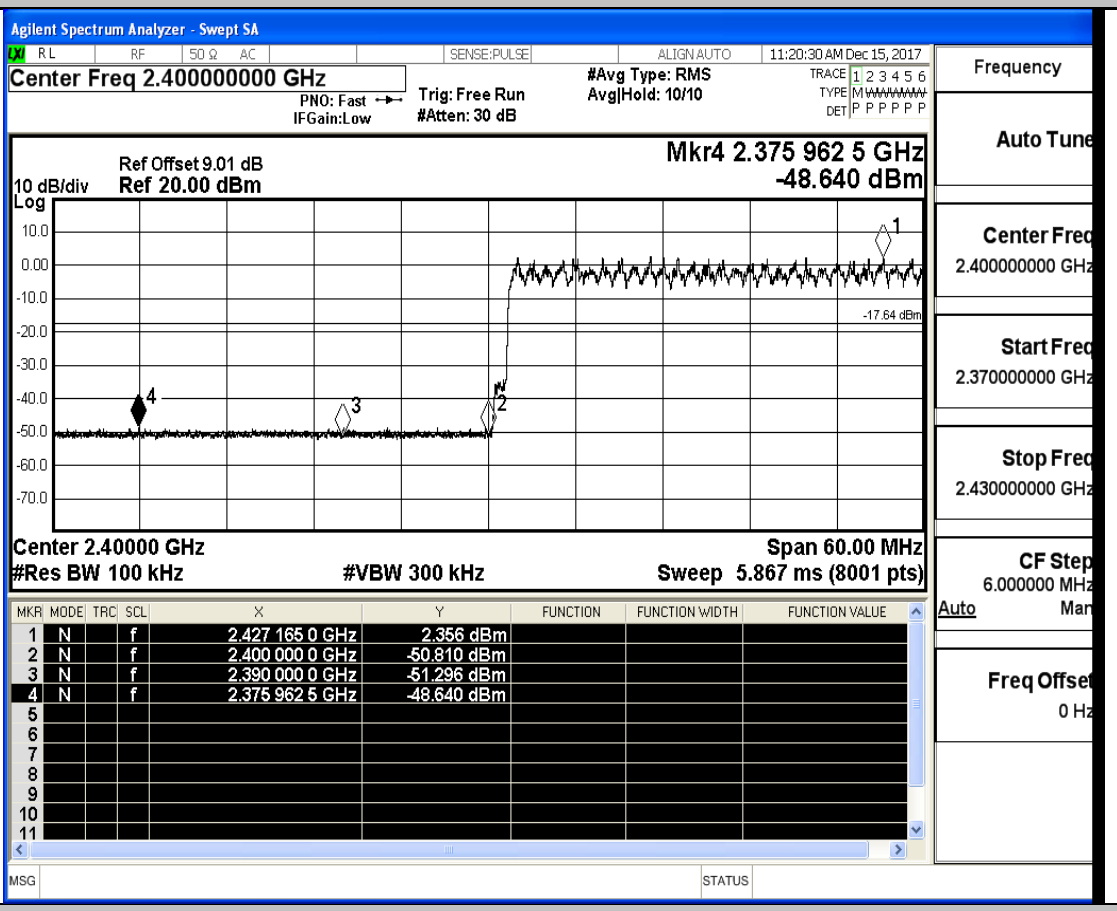
Band-edge for RF Conducted Emissions_2DH5_2480_Hopping On



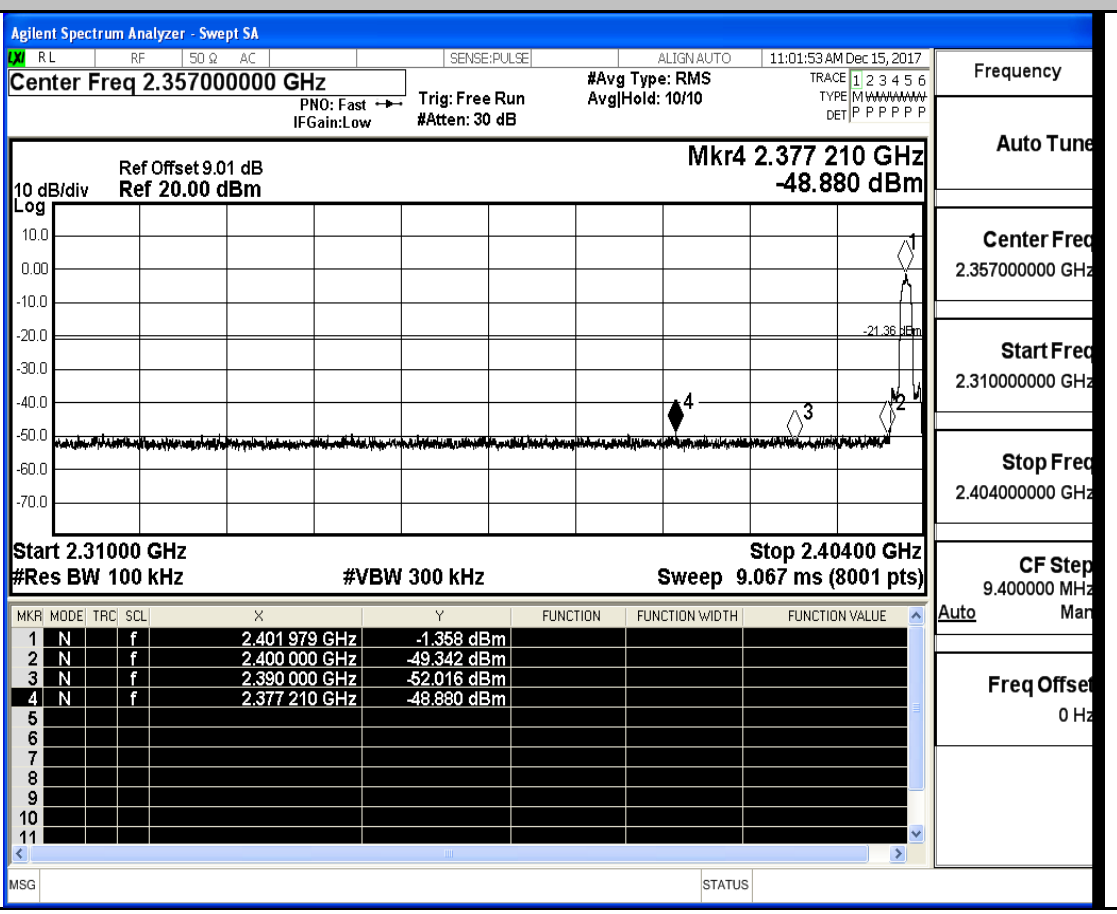
Band-edge for RF Conducted Emissions_2DH5_2480_Hopping Off



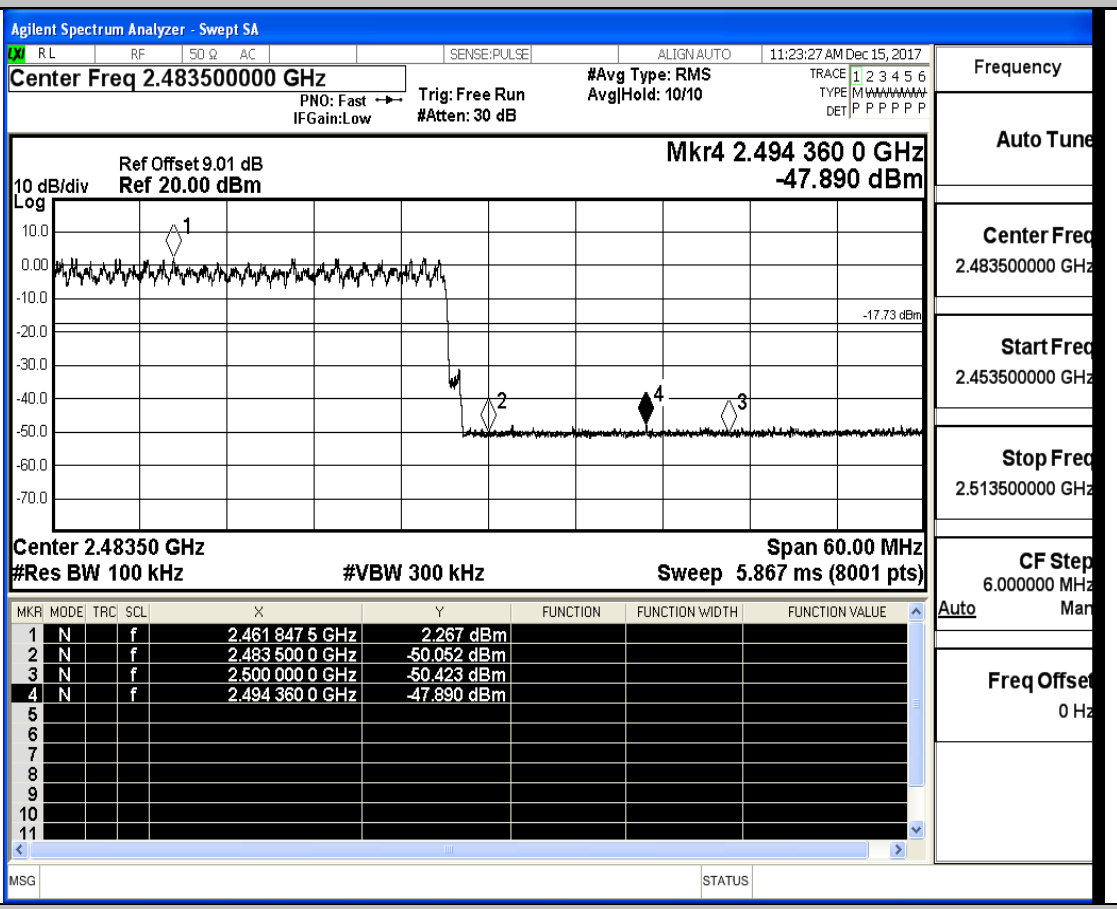
Band-edge for RF Conducted Emissions_3DH5_2402_Hopping On



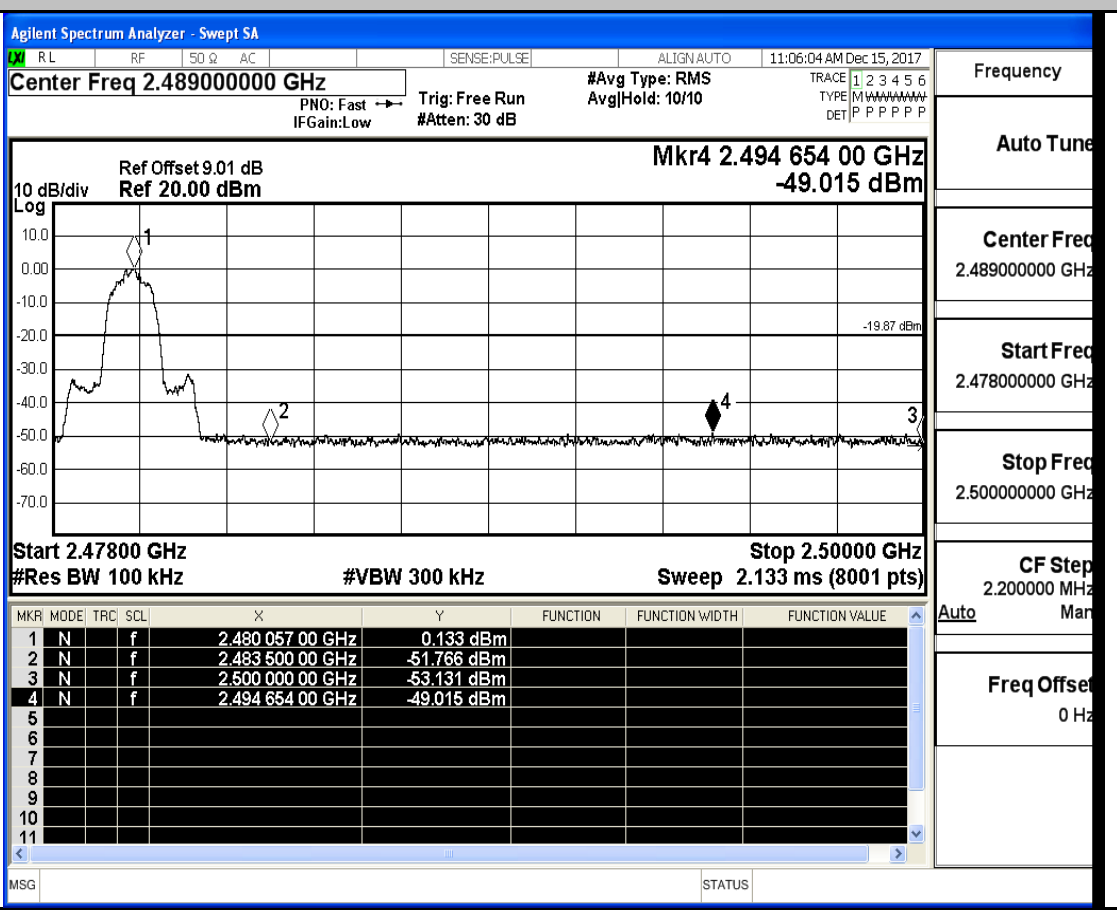
Band-edge for RF Conducted Emissions_3DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_3DH5_2480_Hopping On



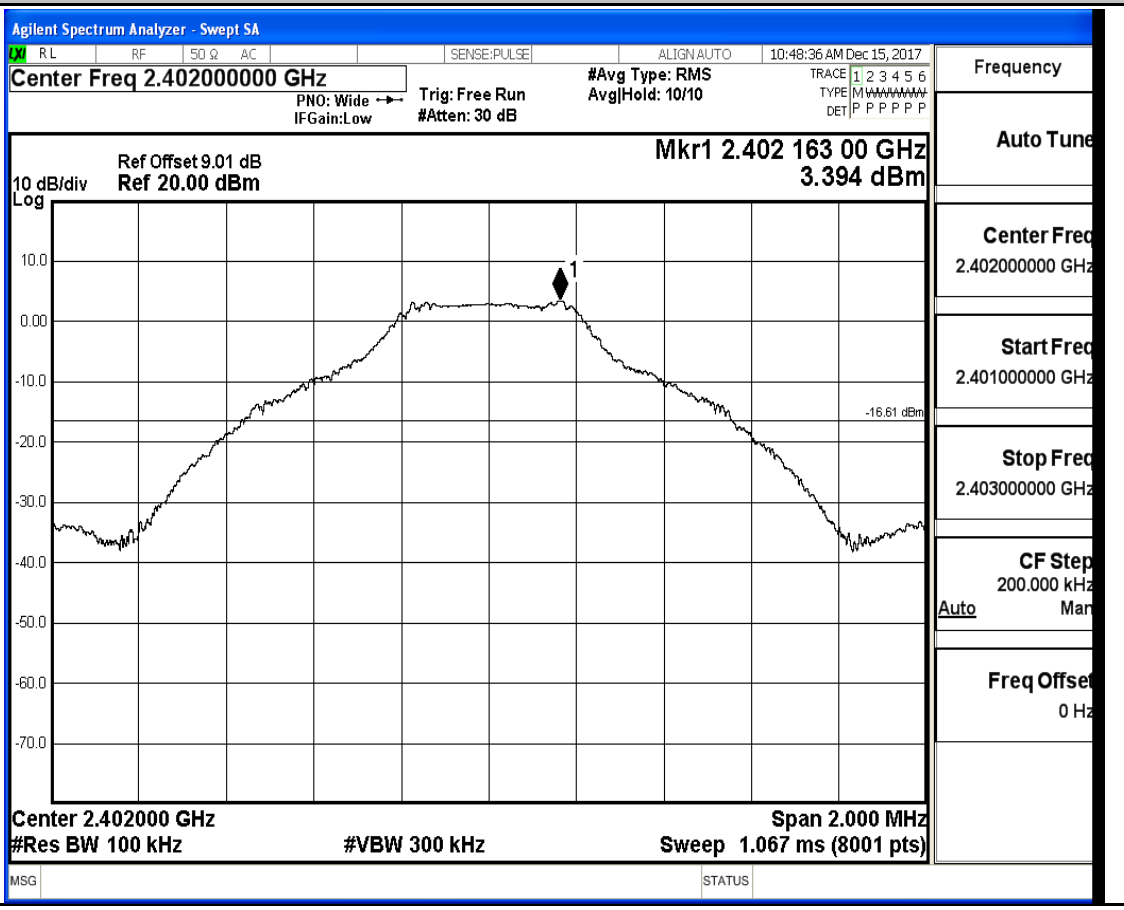
Band-edge for RF Conducted Emissions_3DH5_2480_Hopping Off

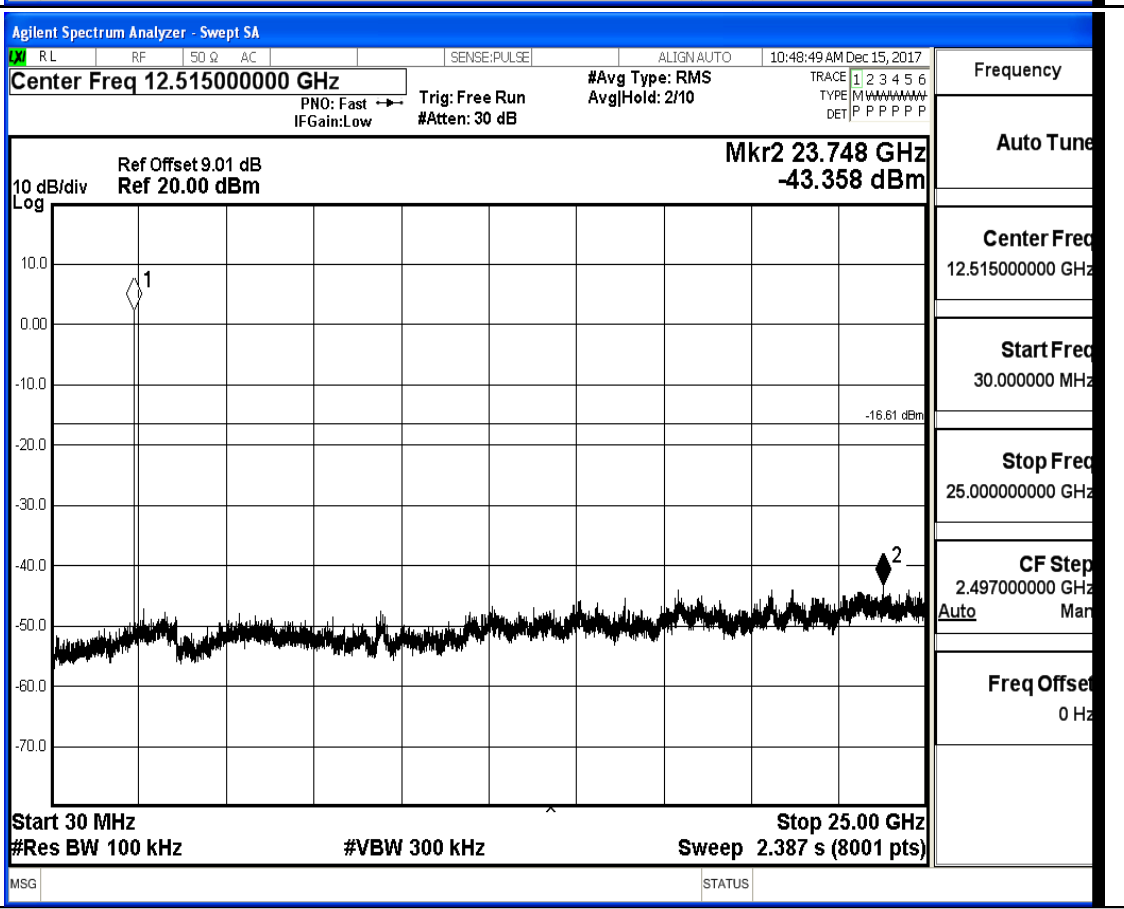


A.7.RF Conducted Spurious Emissions

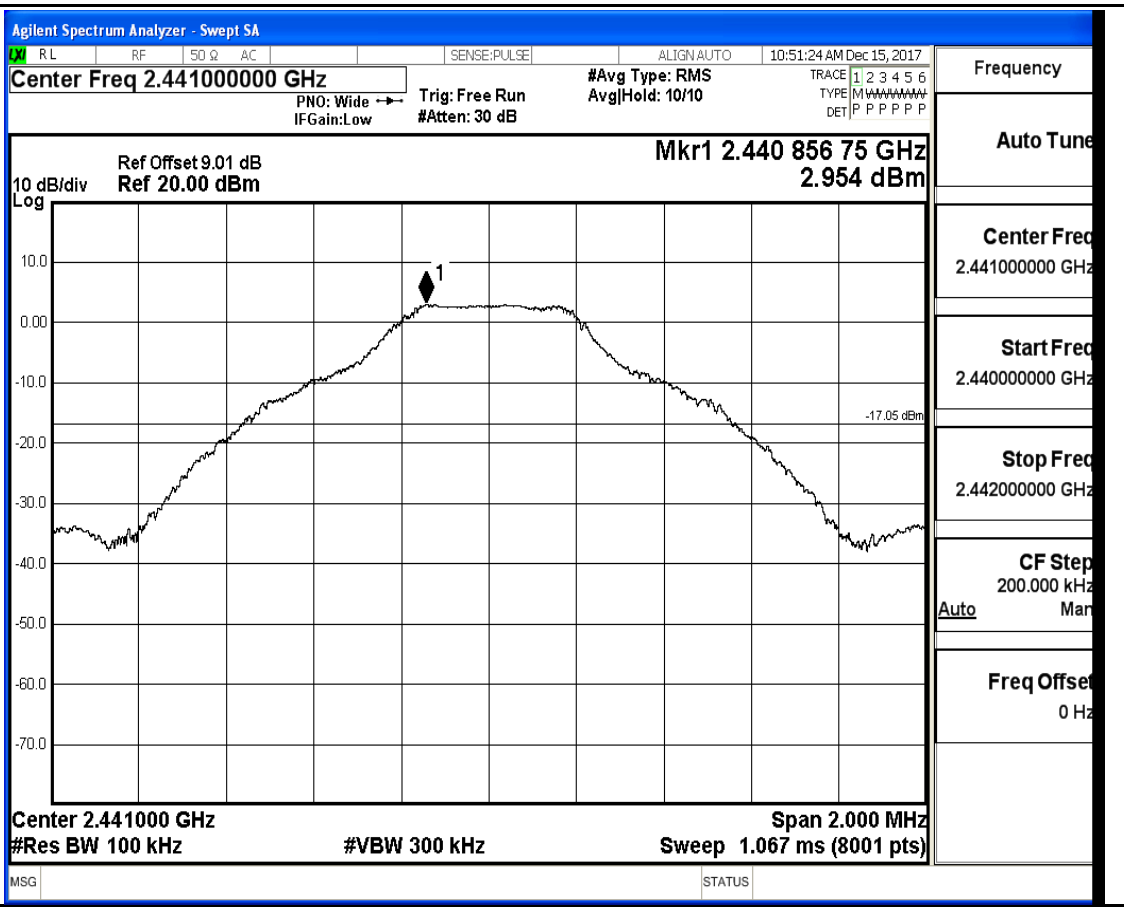
Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
DH5	2402	30	25000	100	300	3.394	-43.358	<-16.606	PASS
DH5	2441	30	25000	100	300	2.954	-42.641	<-17.046	PASS
DH5	2480	30	25000	100	300	3.057	-43.580	<-16.943	PASS
2DH5	2402	30	25000	100	300	2.004	-43.755	<-17.996	PASS
2DH5	2441	30	25000	100	300	1.936	-43.102	<-18.064	PASS
2DH5	2480	30	25000	100	300	1.33	-44.313	<-18.67	PASS
3DH5	2402	30	25000	100	300	-0.157	-43.795	<-20.157	PASS
3DH5	2441	30	25000	100	300	-2.679	-43.428	<-22.679	PASS
3DH5	2480	30	25000	100	300	0.086	-43.923	<-19.914	PASS

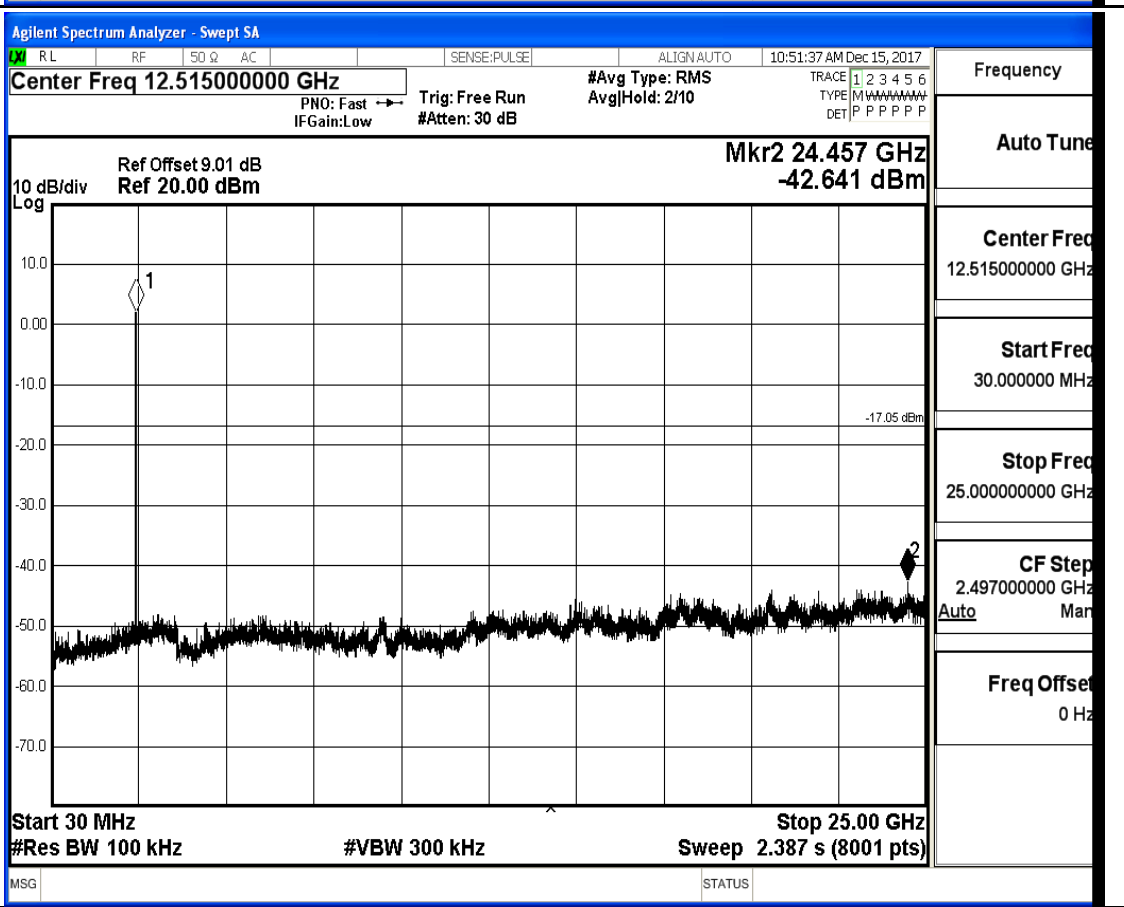
RF Conducted Spurious Emissions_DH5_2402



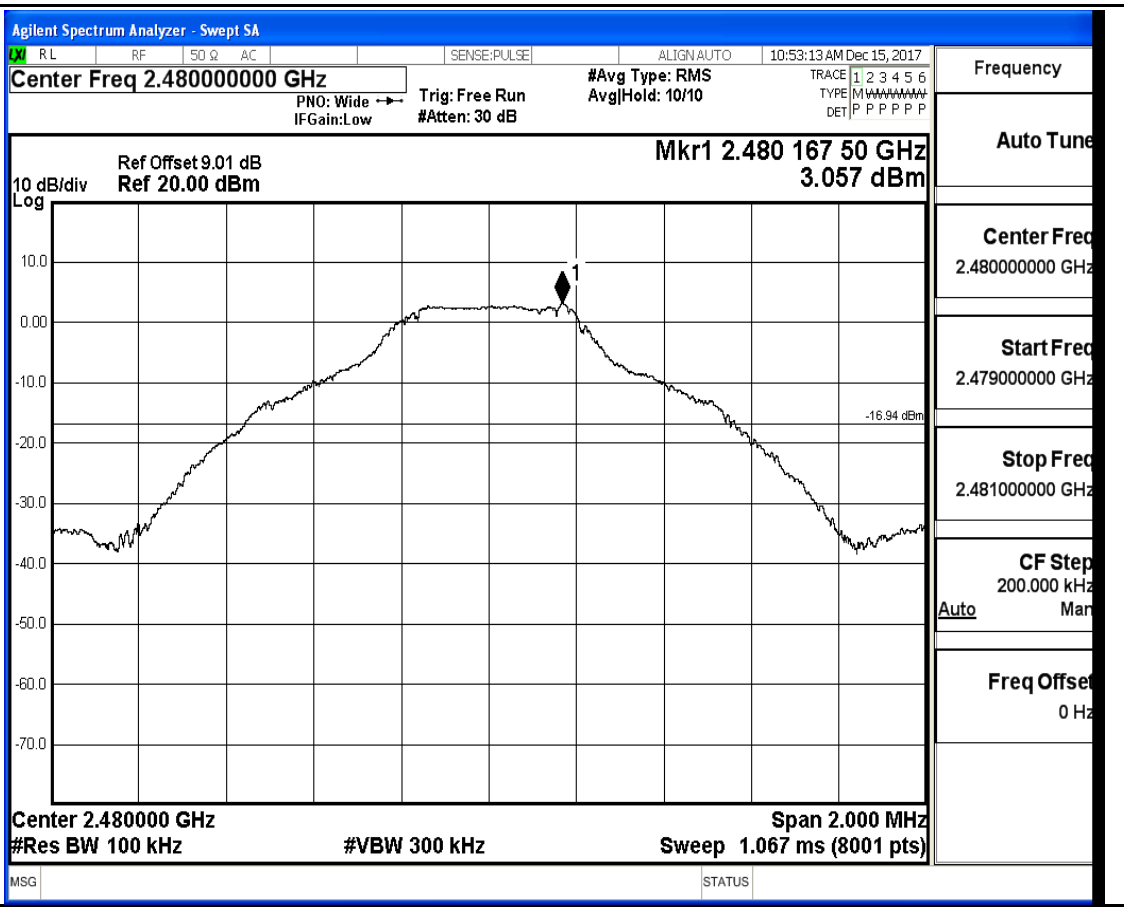


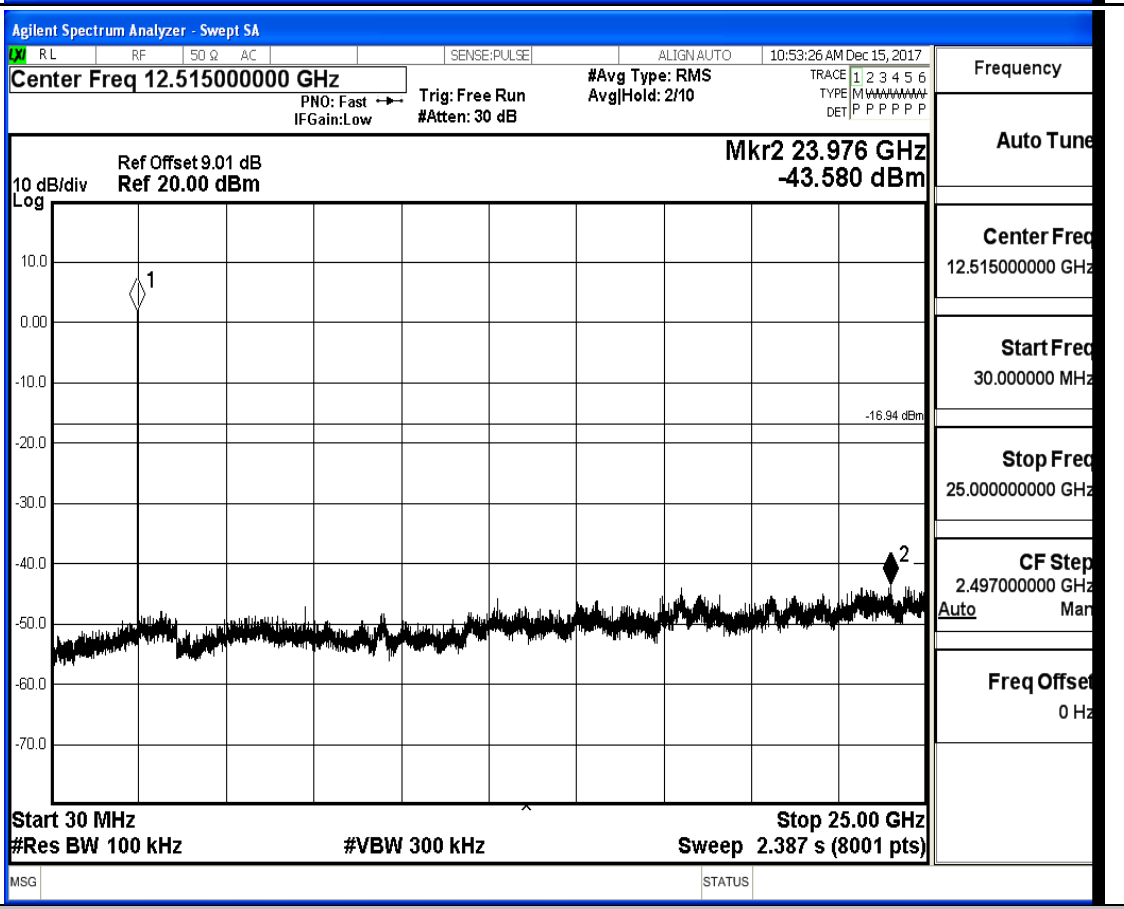
RF Conducted Spurious Emissions_DH5_2441



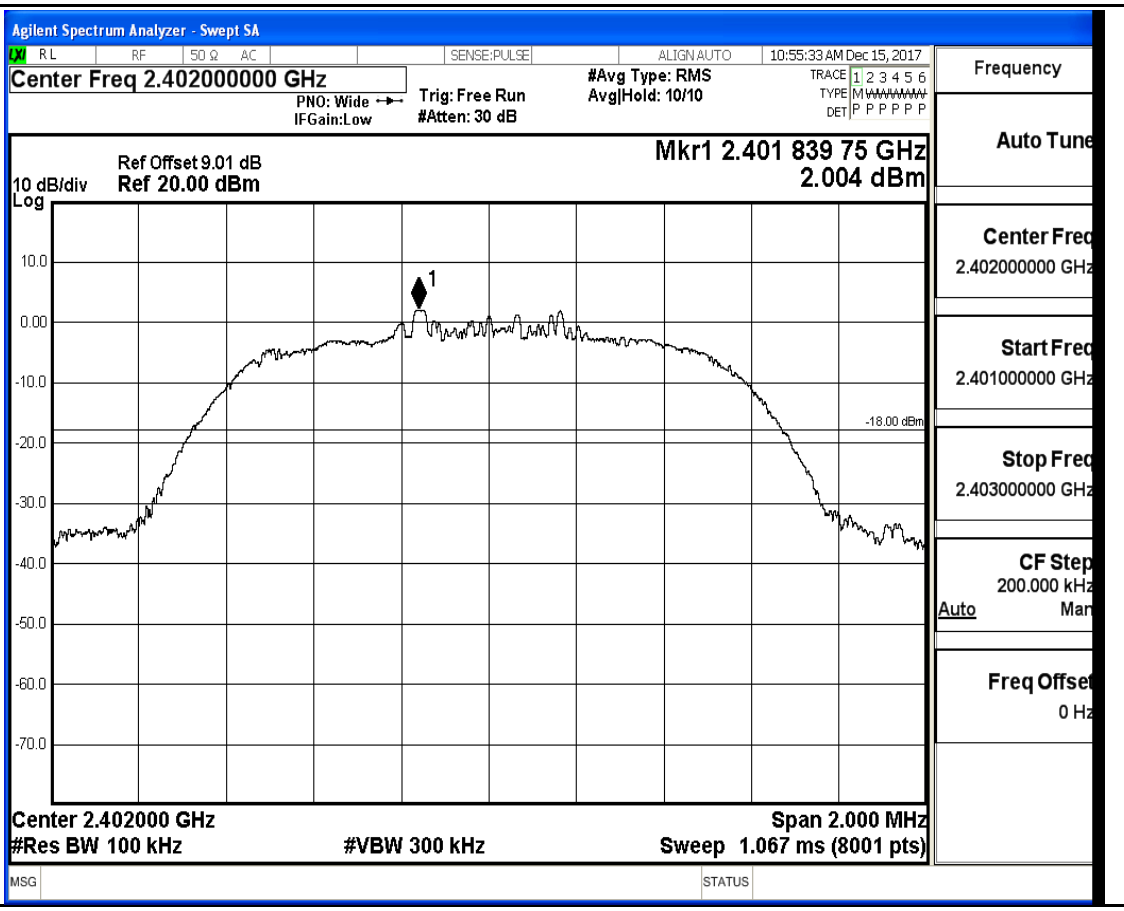


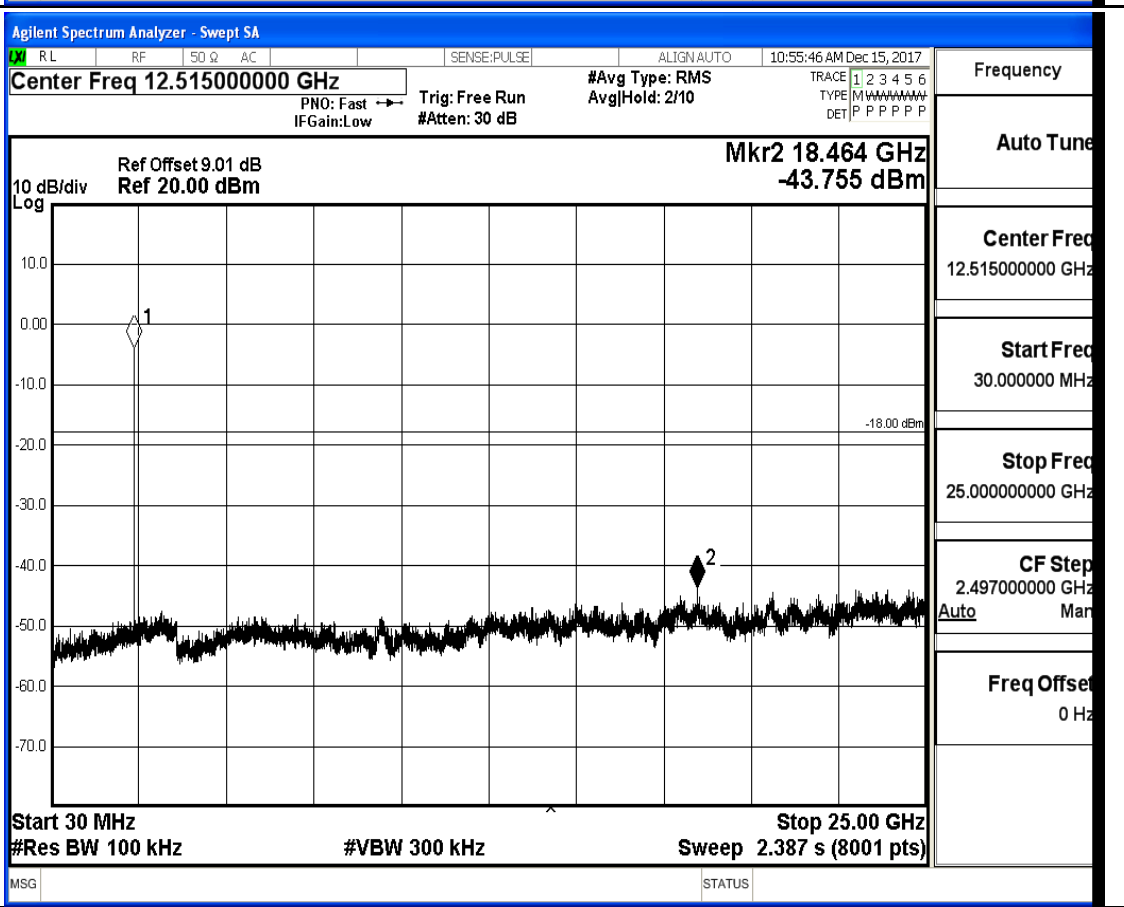
RF Conducted Spurious Emissions_DH5_2480



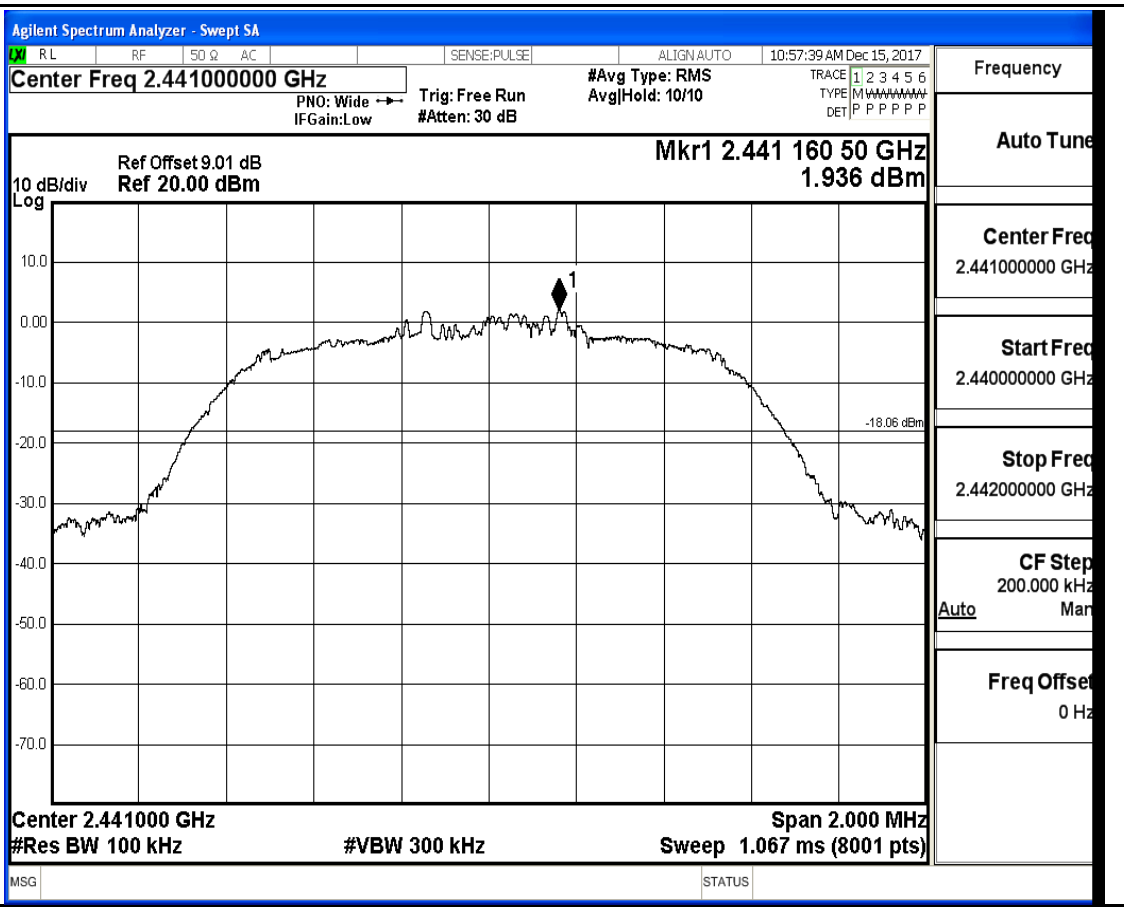


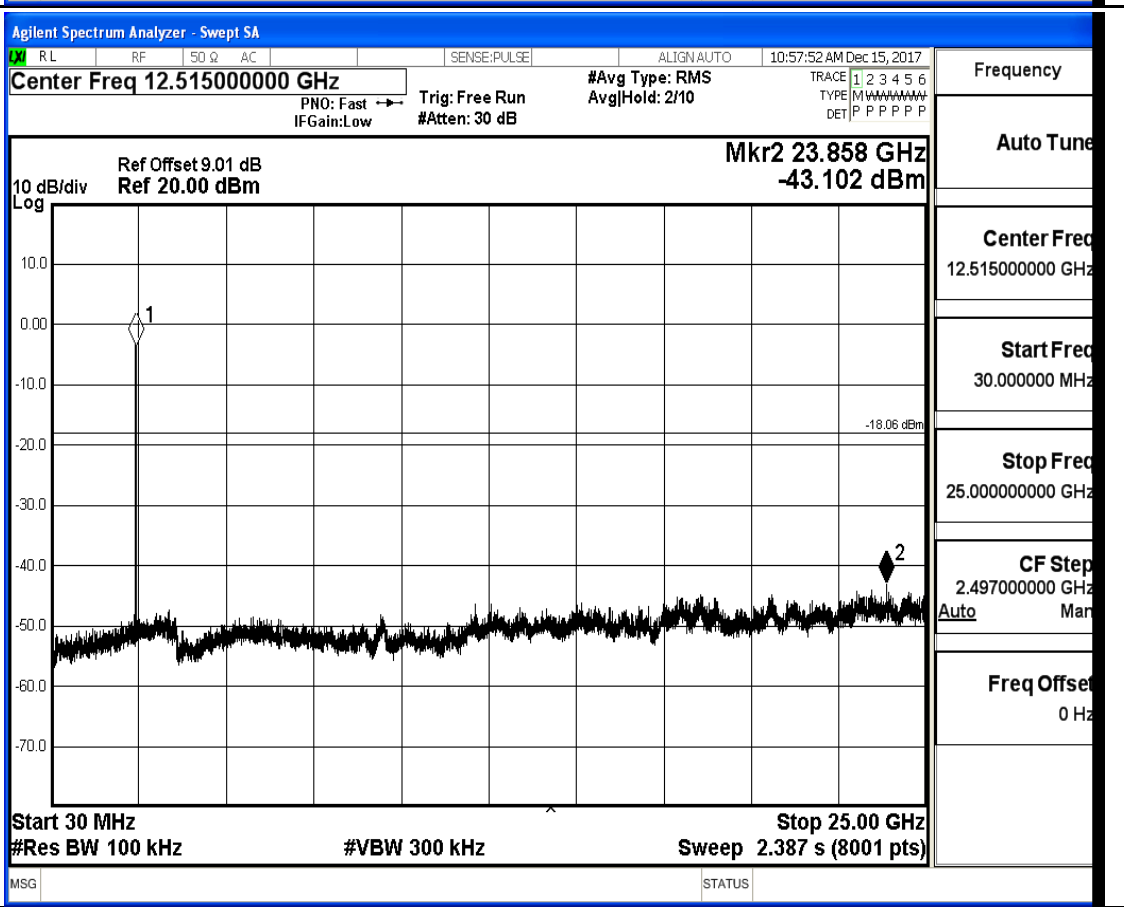
RF Conducted Spurious Emissions_2DH5_2402



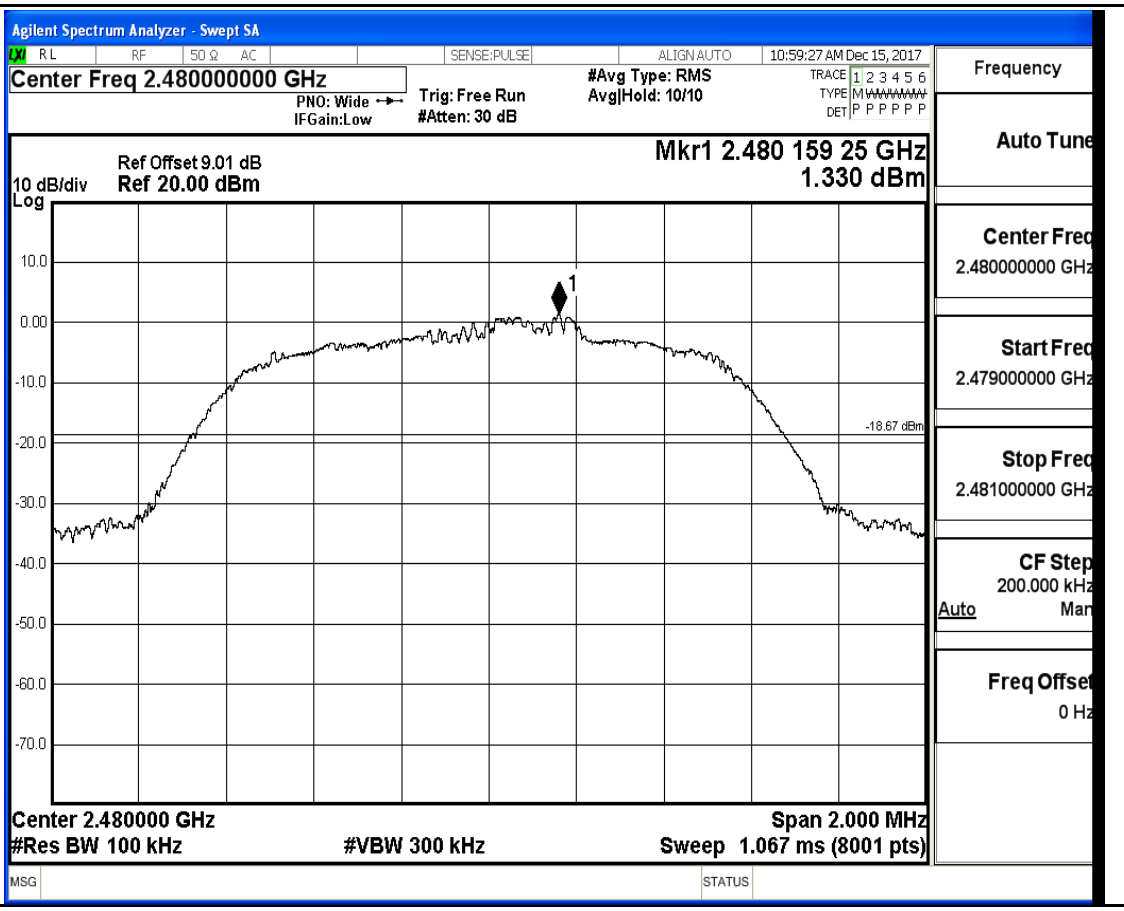


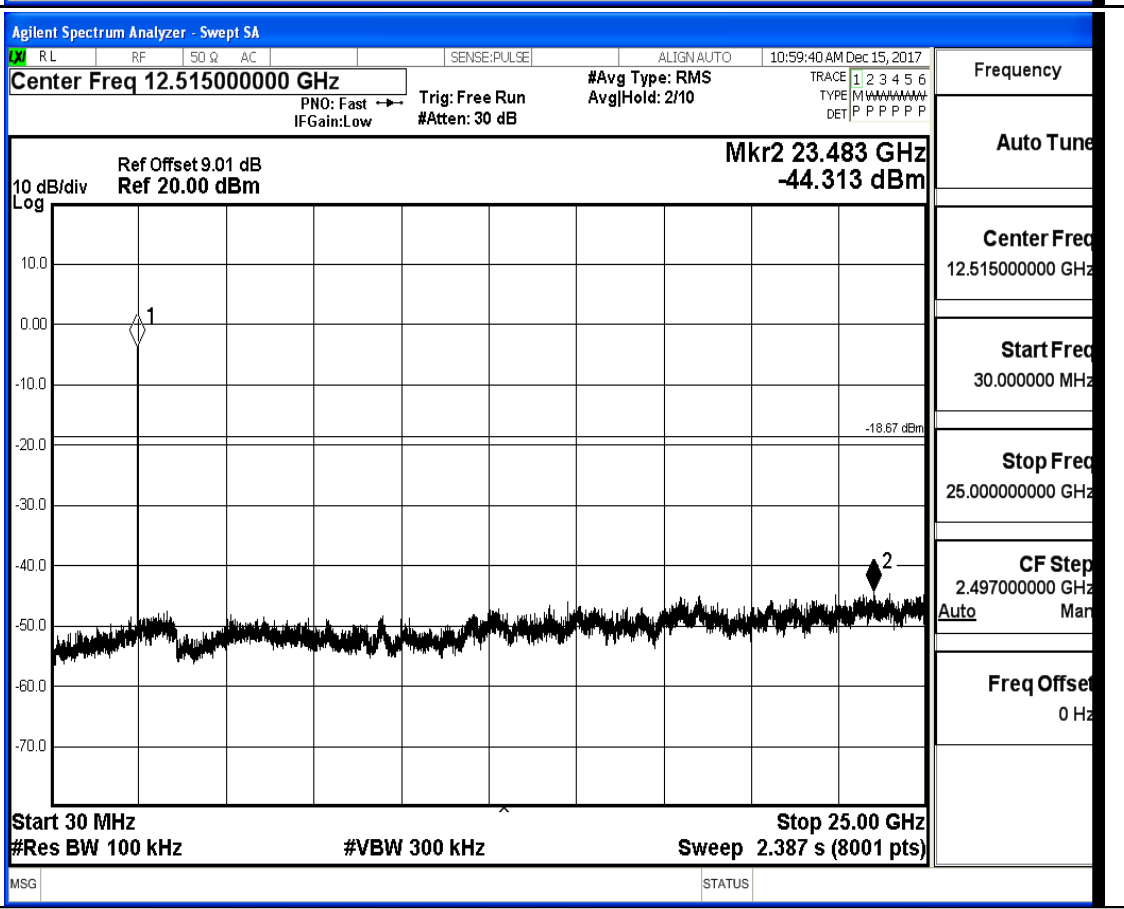
RF Conducted Spurious Emissions_2DH5_2441



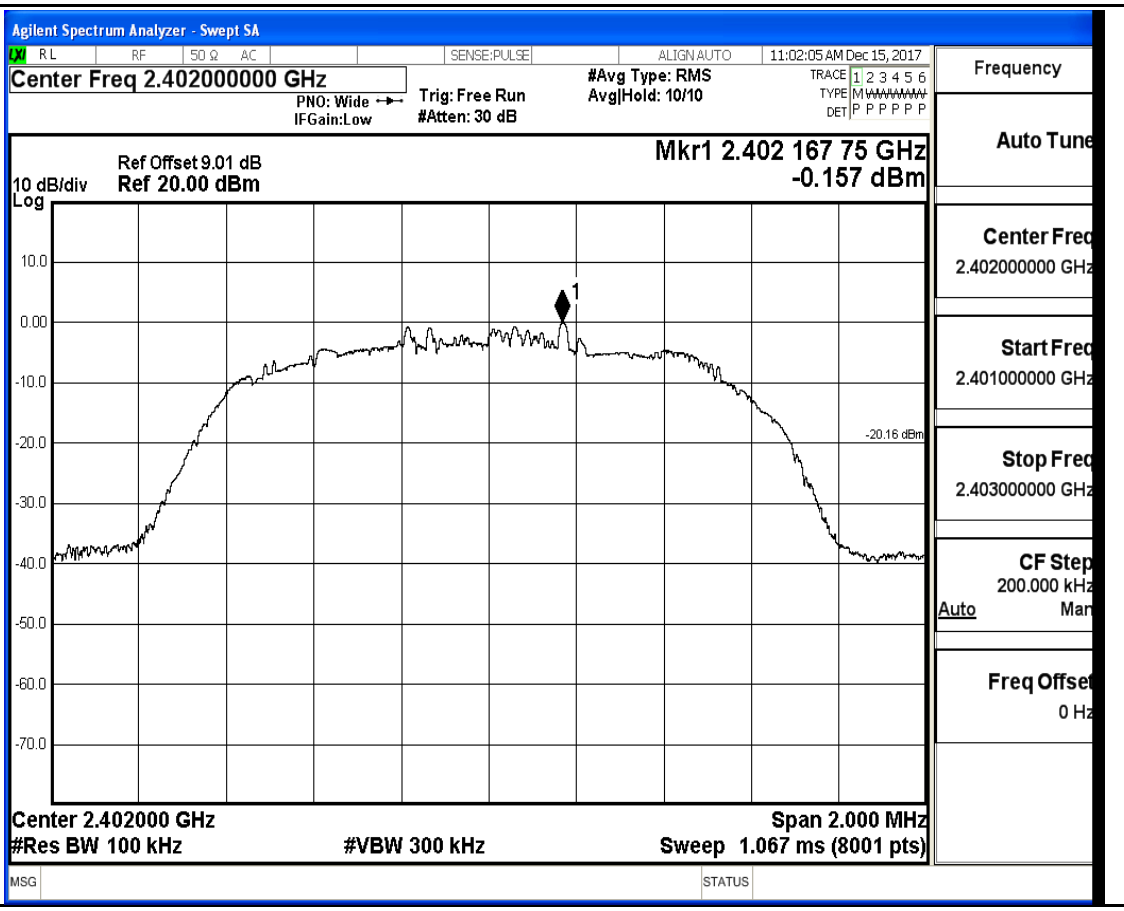


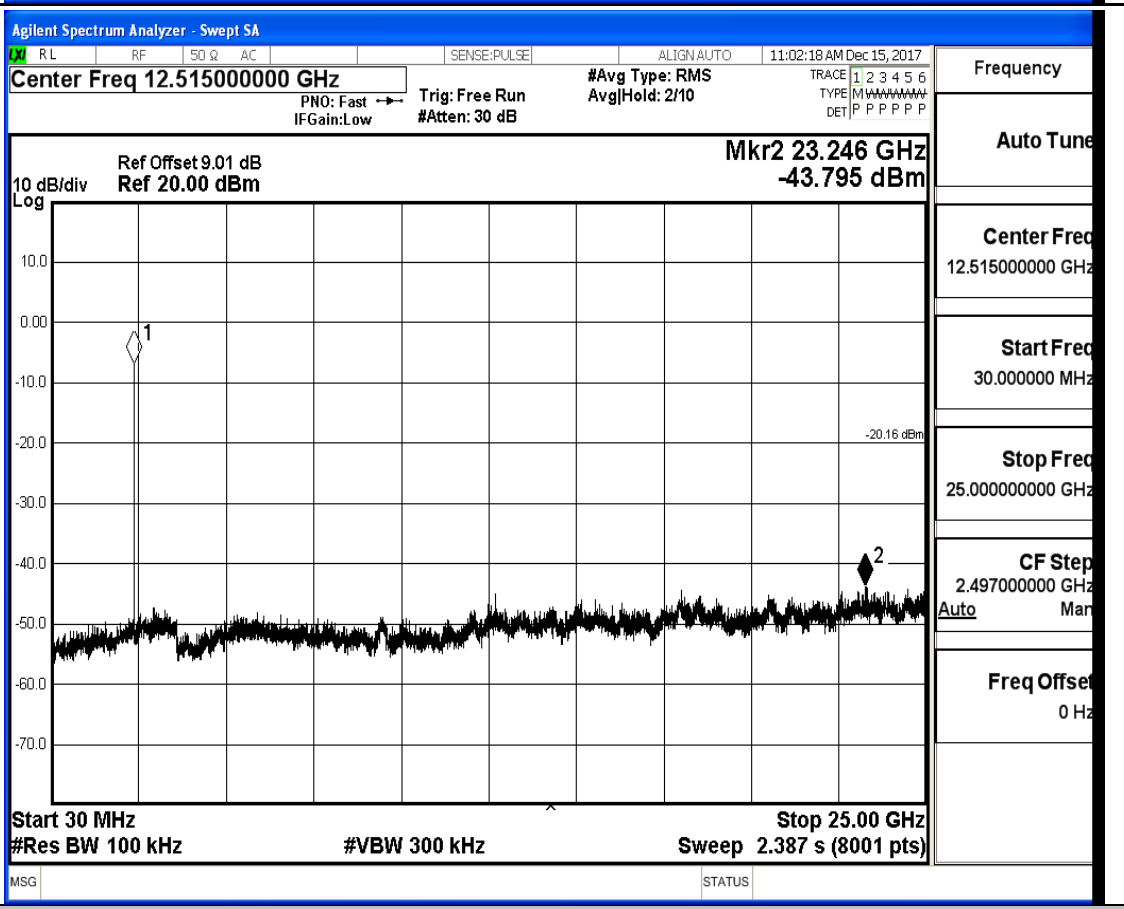
RF Conducted Spurious Emissions_2DH5_2480



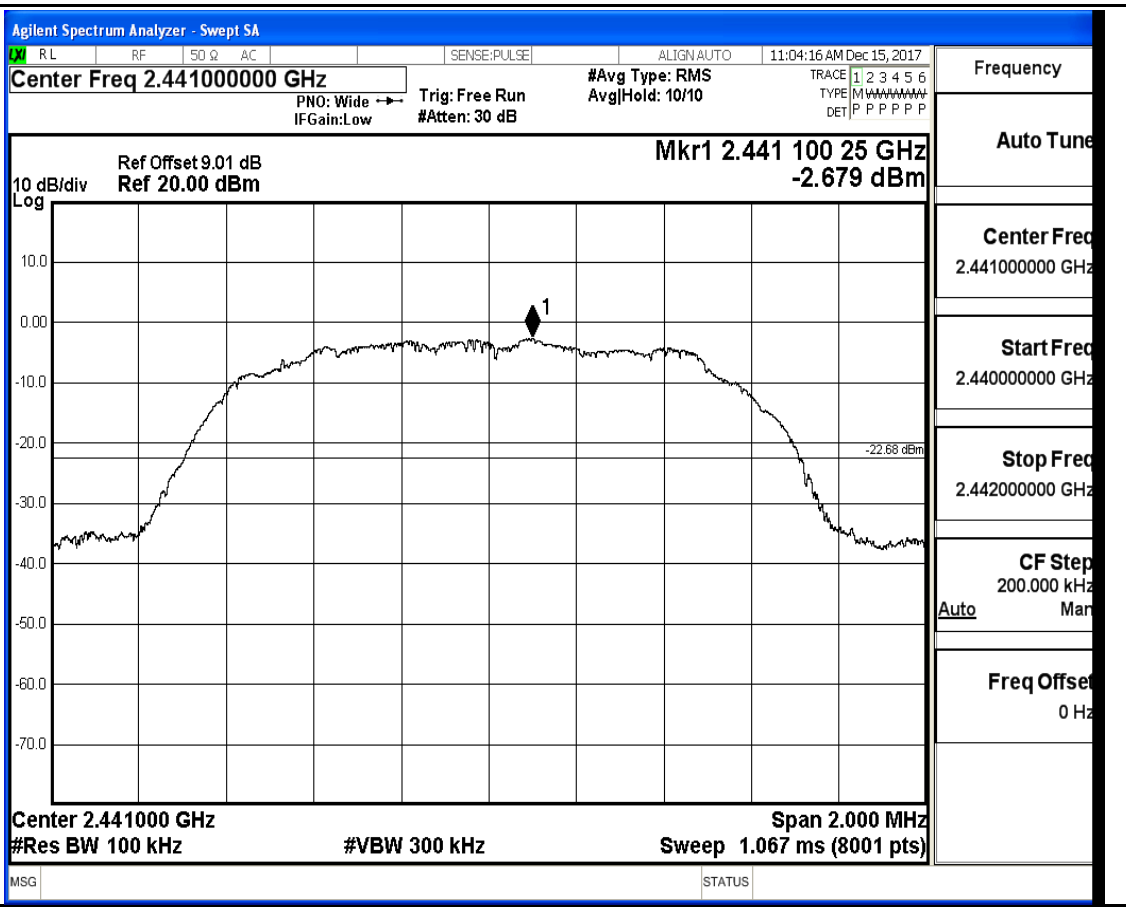


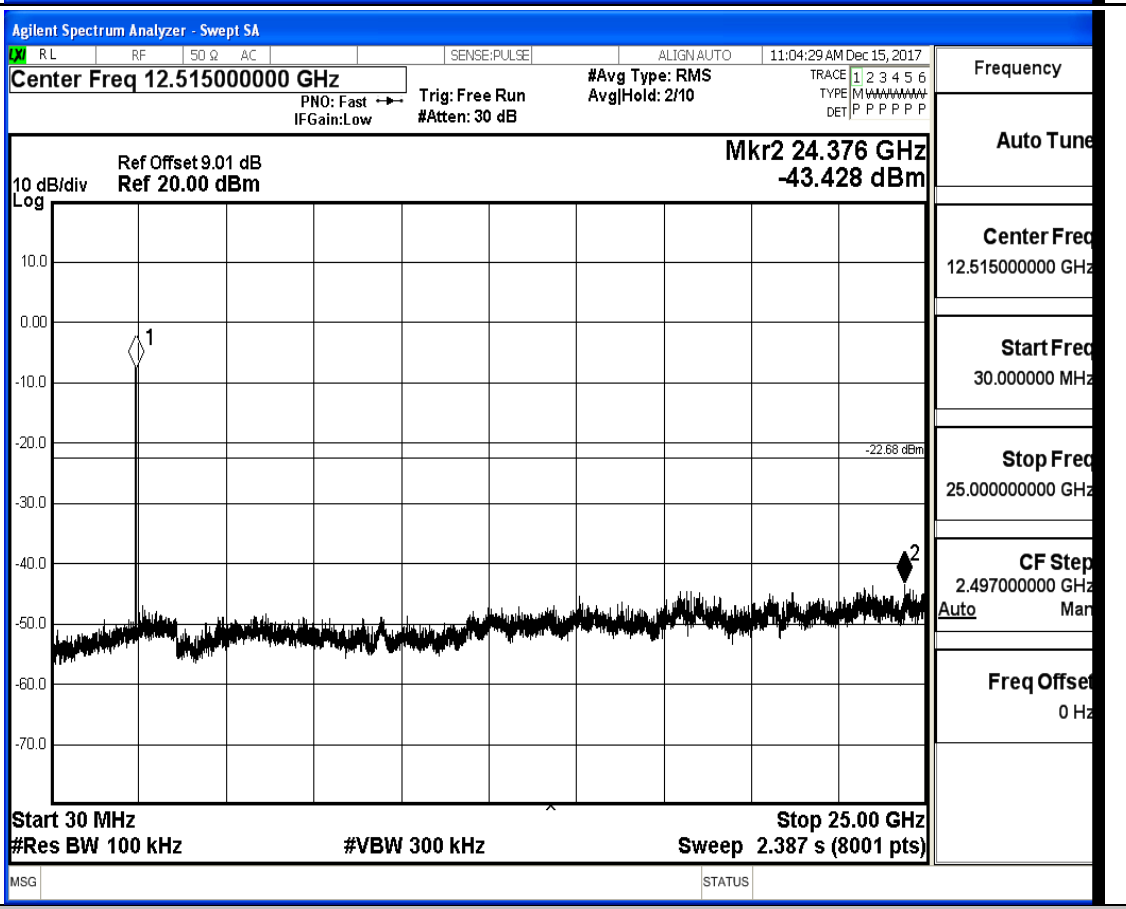
RF Conducted Spurious Emissions_3DH5_2402



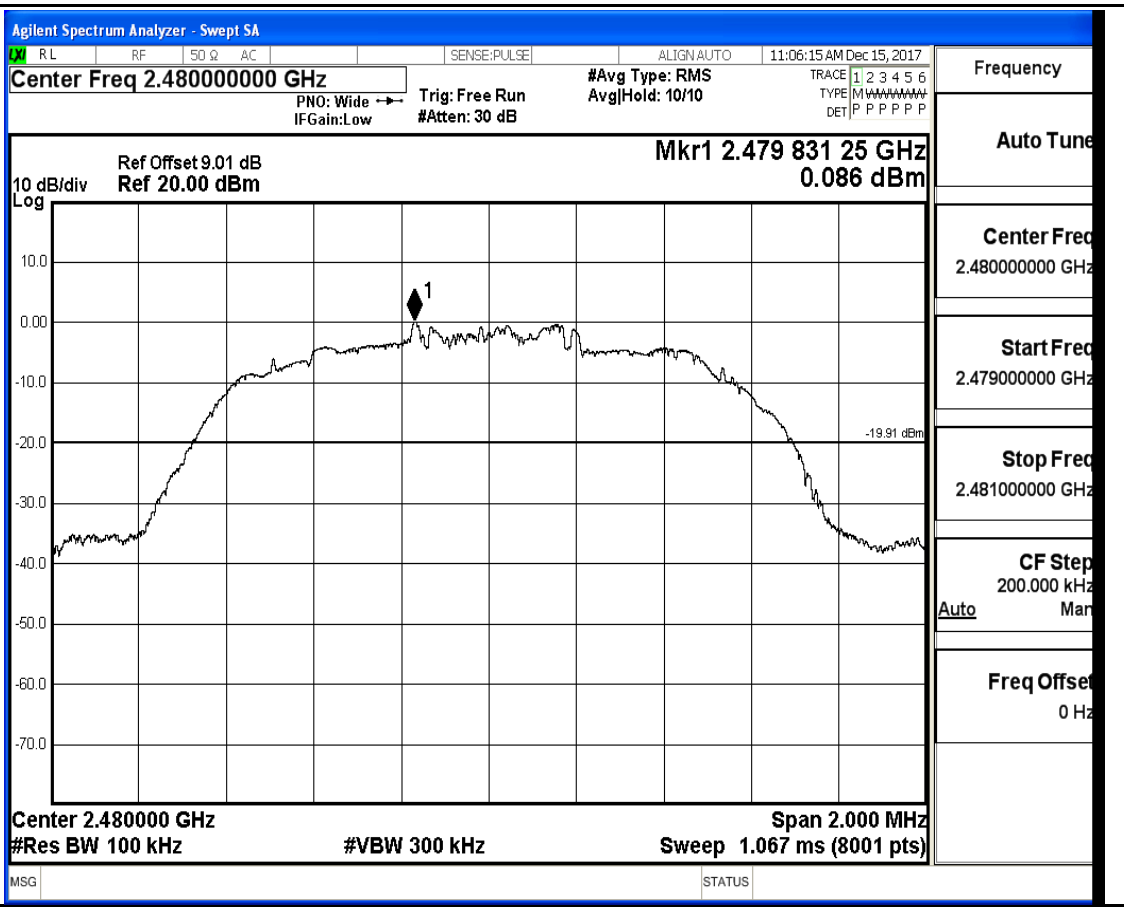


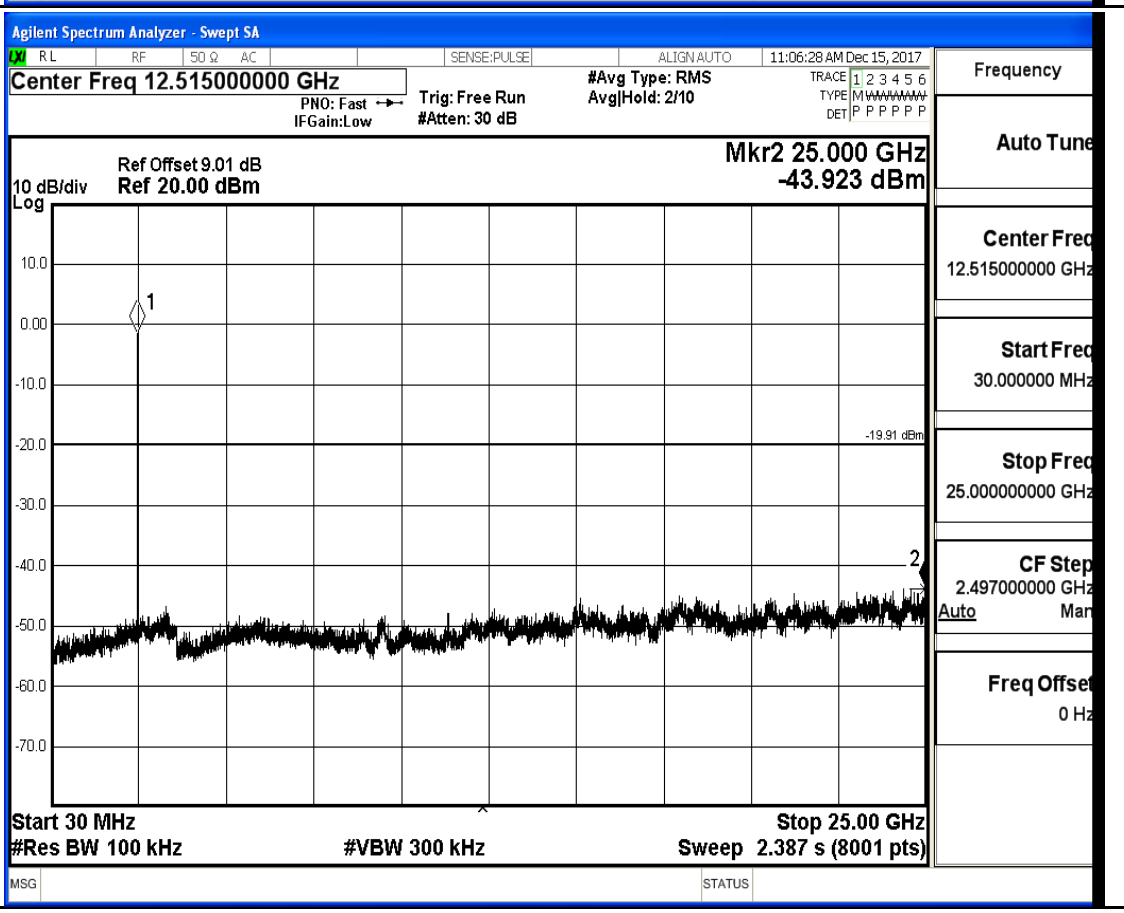
RF Conducted Spurious Emissions_3DH5_2441





RF Conducted Spurious Emissions_3DH5_2480

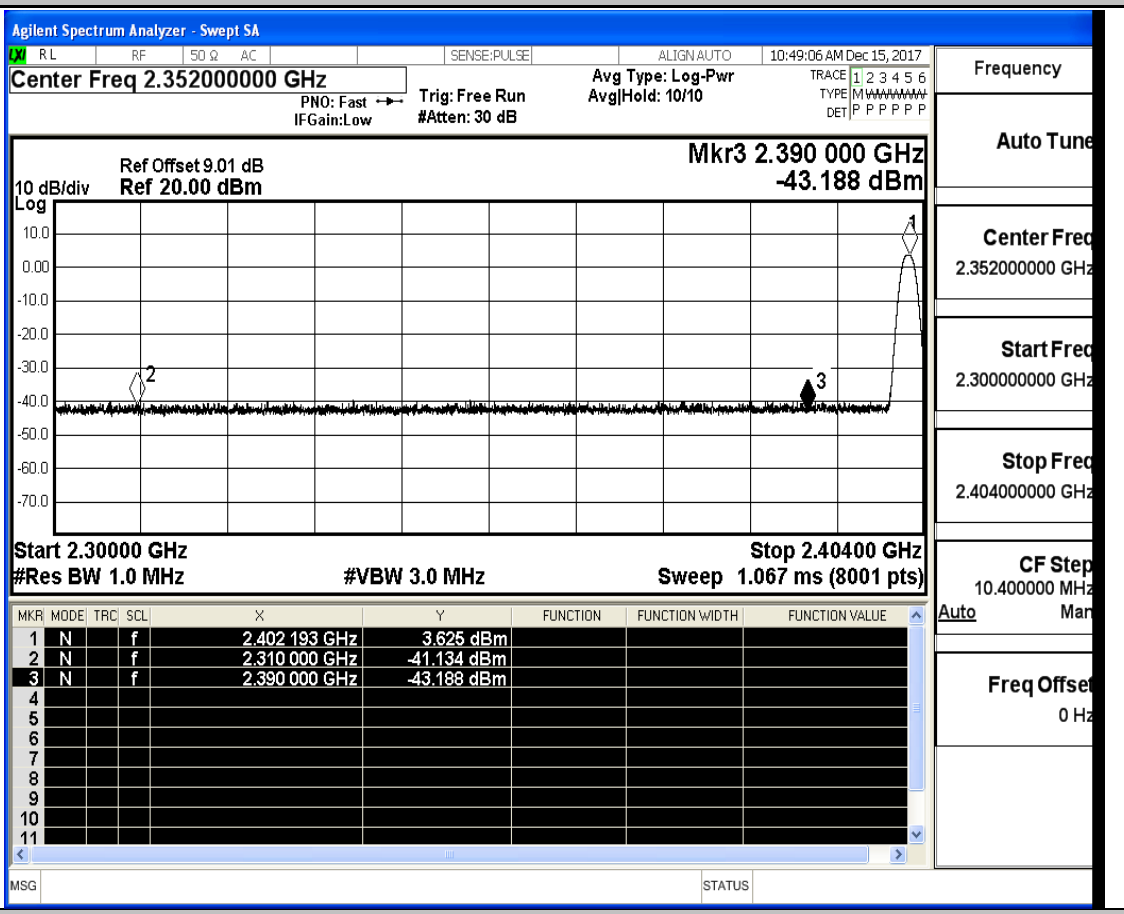

Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:PULSE
ALIGN AUTO
11:06:15 AM Dec 15, 2017
Center Freq 2.480000000 GHz
PNO: Wide
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 10/10
TRACE 1 2 3 4 5 6
TYPE M
DET P P P P P
Ref Offset 9.01 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr1 2.479 831 25 GHz
0.086 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-19.91 dBm
Center 2.480000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 2.000 MHz
Sweep 1.067 ms (8001 pts)
MSG
STATUS
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


Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:PULSE
ALIGN AUTO
11:06:28 AM Dec 15, 2017
Center Freq 12.515000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 30 dB
#Avg Type: RMS
Avg|Hold: 2/10
TRACE 1 2 3 4 5 6
TYPE M
DET P P P P P
Ref Offset 9.01 dB
10 dB/div
Log
Ref 20.00 dBm
Mkr2 25.000 GHz
-43.923 dBm
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-19.91 dBm
Start 30 MHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.00 GHz
Sweep 2.387 s (8001 pts)
MSG
STATUS
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

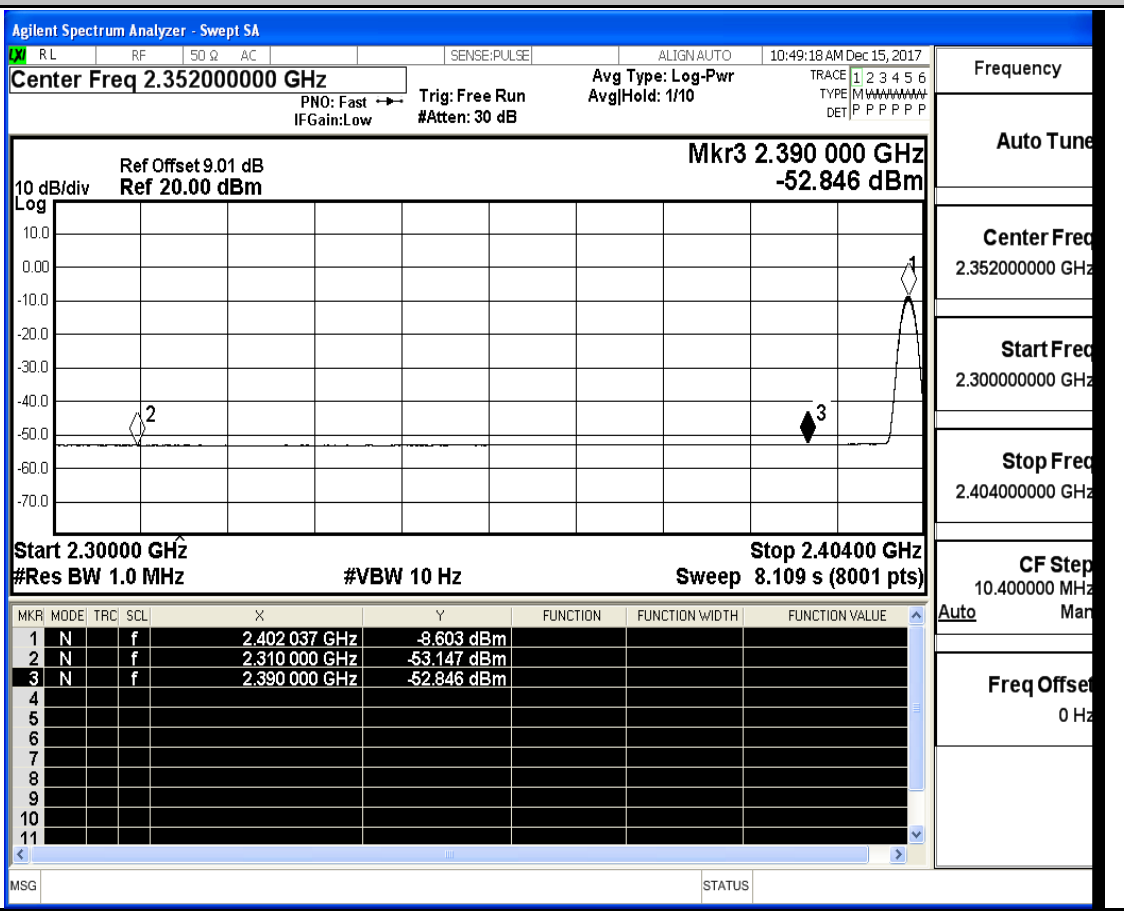
A.8.Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
DH5	On	2310.0	-41.13	2	0	56.12	PEAK	74	PASS
DH5	On	2310.0	-53.15	2	0	44.11	AV	54	PASS
DH5	On	2390.0	-43.19	2	0	54.07	PEAK	74	PASS
DH5	On	2390.0	-52.85	2	0	44.41	AV	54	PASS
DH5	On	2483.5	-42.76	2	0	54.49	PEAK	74	PASS
DH5	On	2483.5	-52.50	2	0	44.76	AV	54	PASS
DH5	On	2500.0	-42.00	2	0	55.26	PEAK	74	PASS
DH5	On	2500.0	-52.50	2	0	44.76	AV	54	PASS
2DH5	On	2310.0	-41.95	2	0	55.30	PEAK	74	PASS
2DH5	On	2310.0	-53.12	2	0	44.14	AV	54	PASS
2DH5	On	2390.0	-42.75	2	0	54.51	PEAK	74	PASS
2DH5	On	2390.0	-52.87	2	0	44.39	AV	54	PASS
2DH5	On	2483.5	-42.08	2	0	55.17	PEAK	74	PASS
2DH5	On	2483.5	-52.52	2	0	44.74	AV	54	PASS
2DH5	On	2500.0	-42.04	2	0	55.22	PEAK	74	PASS
2DH5	On	2500.0	-52.53	2	0	44.73	AV	54	PASS
3DH5	On	2310.0	-43.14	2	0	54.12	PEAK	74	PASS
3DH5	On	2310.0	-53.12	2	0	44.14	AV	54	PASS
3DH5	On	2390.0	-42.61	2	0	54.65	PEAK	74	PASS
3DH5	On	2390.0	-52.84	2	0	44.41	AV	54	PASS
3DH5	On	2483.5	-42.10	2	0	55.16	PEAK	74	PASS
3DH5	On	2483.5	-52.43	2	0	44.82	AV	54	PASS
3DH5	On	2500.0	-42.39	2	0	54.87	PEAK	74	PASS
3DH5	On	2500.0	-52.51	2	0	44.75	AV	54	PASS

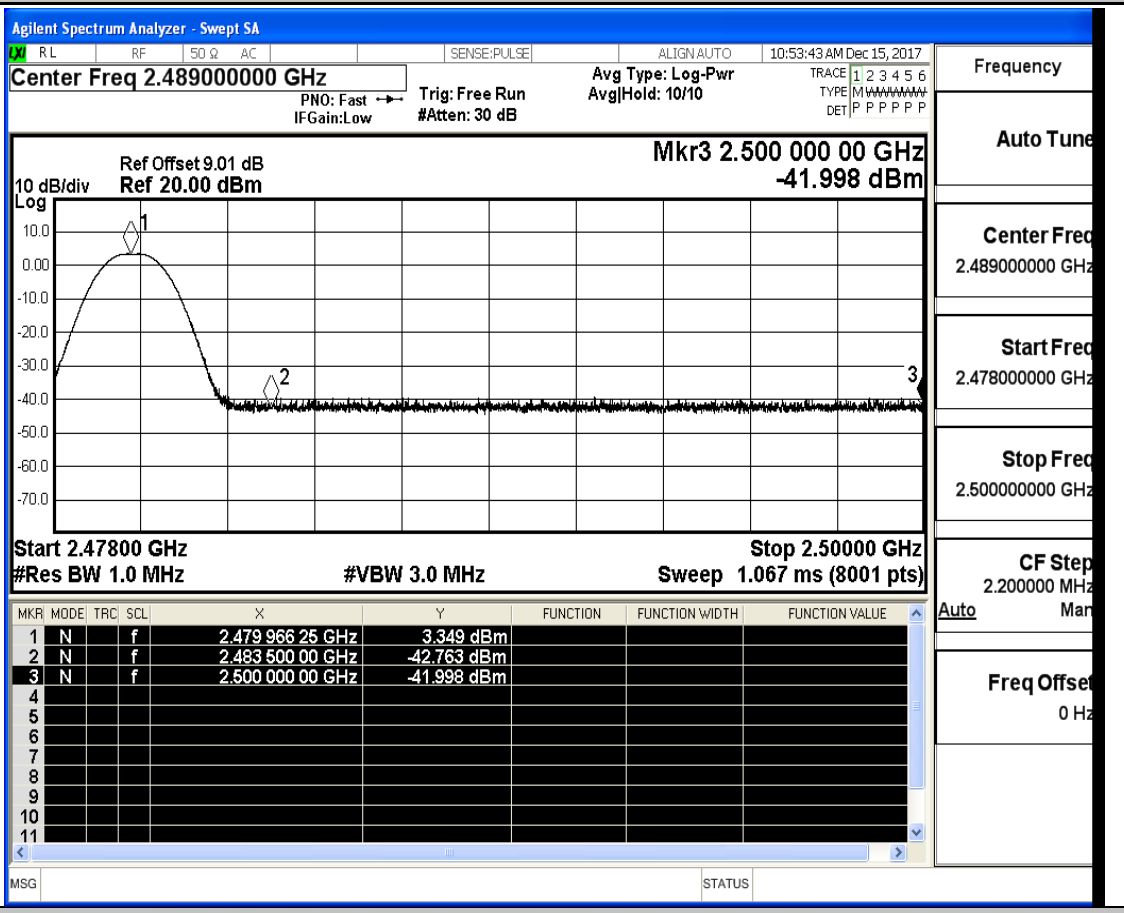
Restrict-band band-edge measurements_2402_PEAK



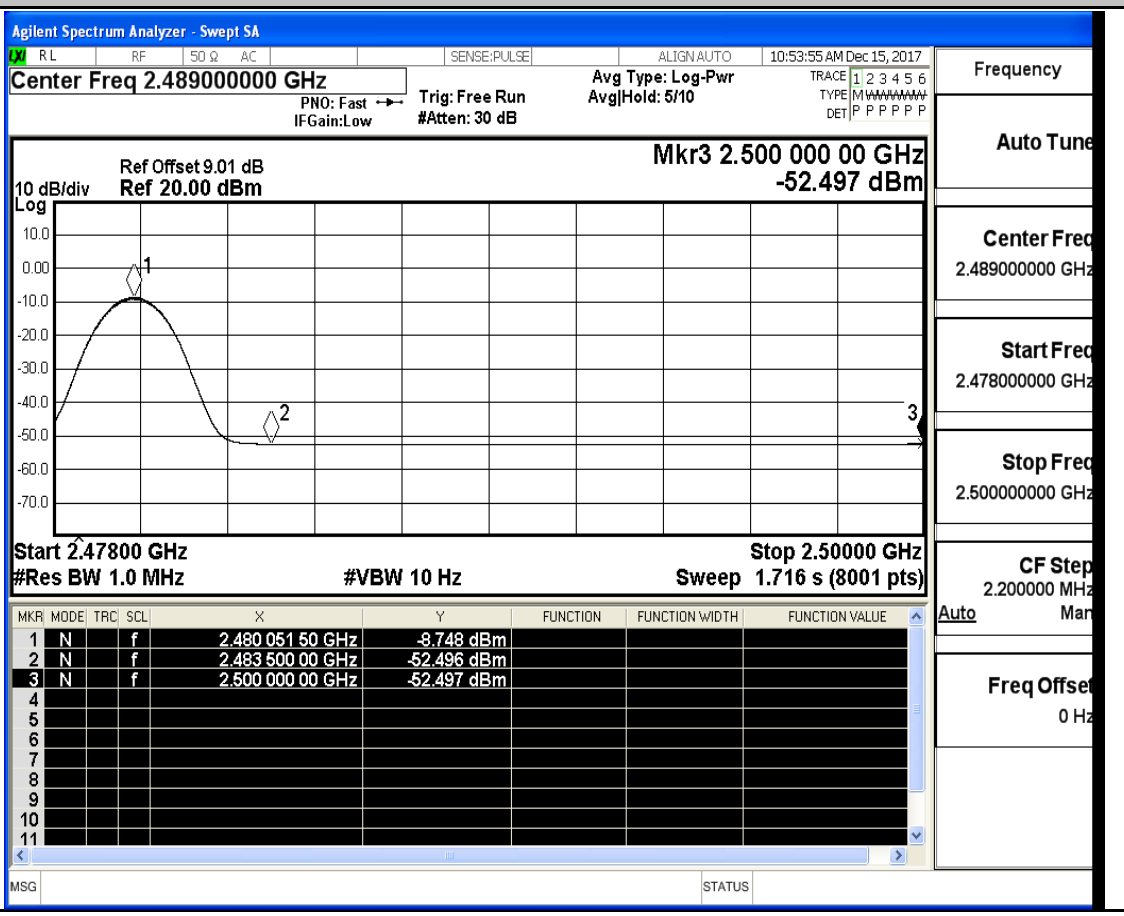
Restrict-band band-edge measurements_2402_AV



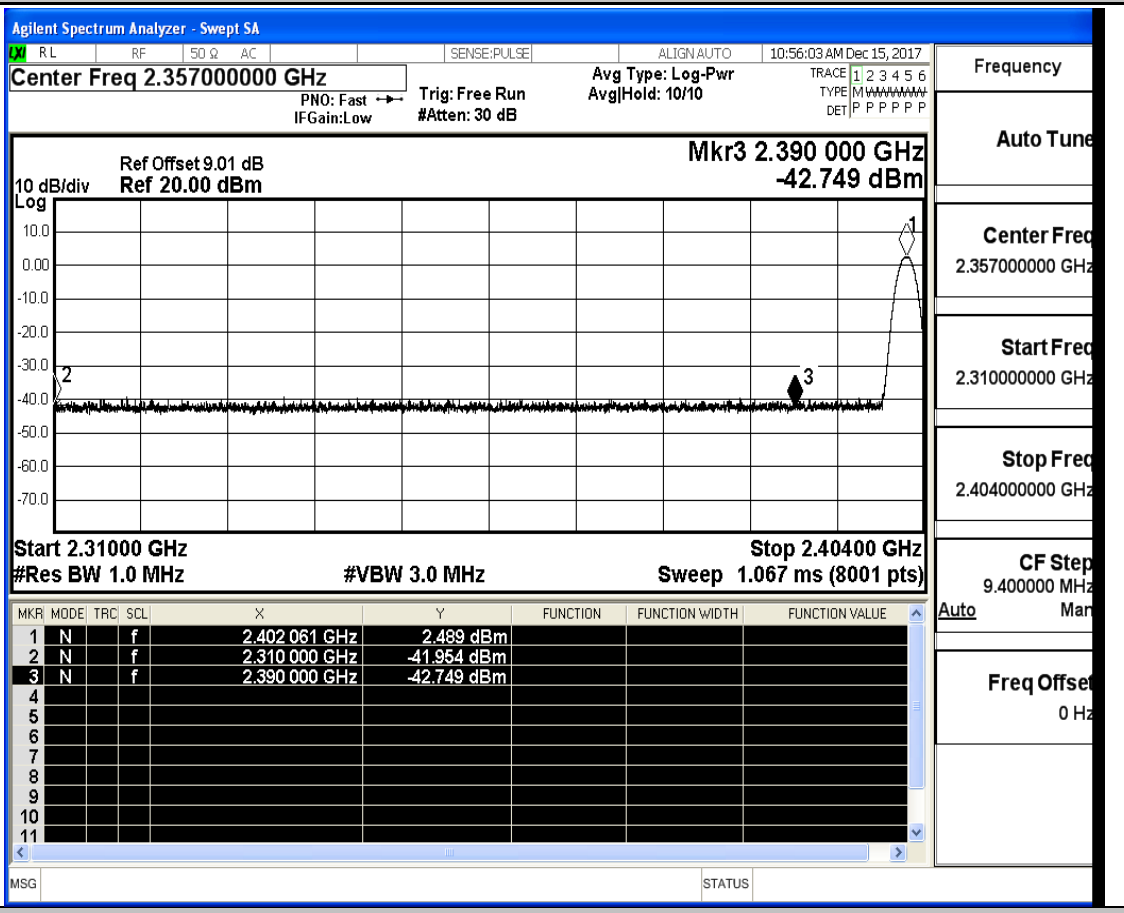
Restrict-band band-edge measurements_2480_PEAK



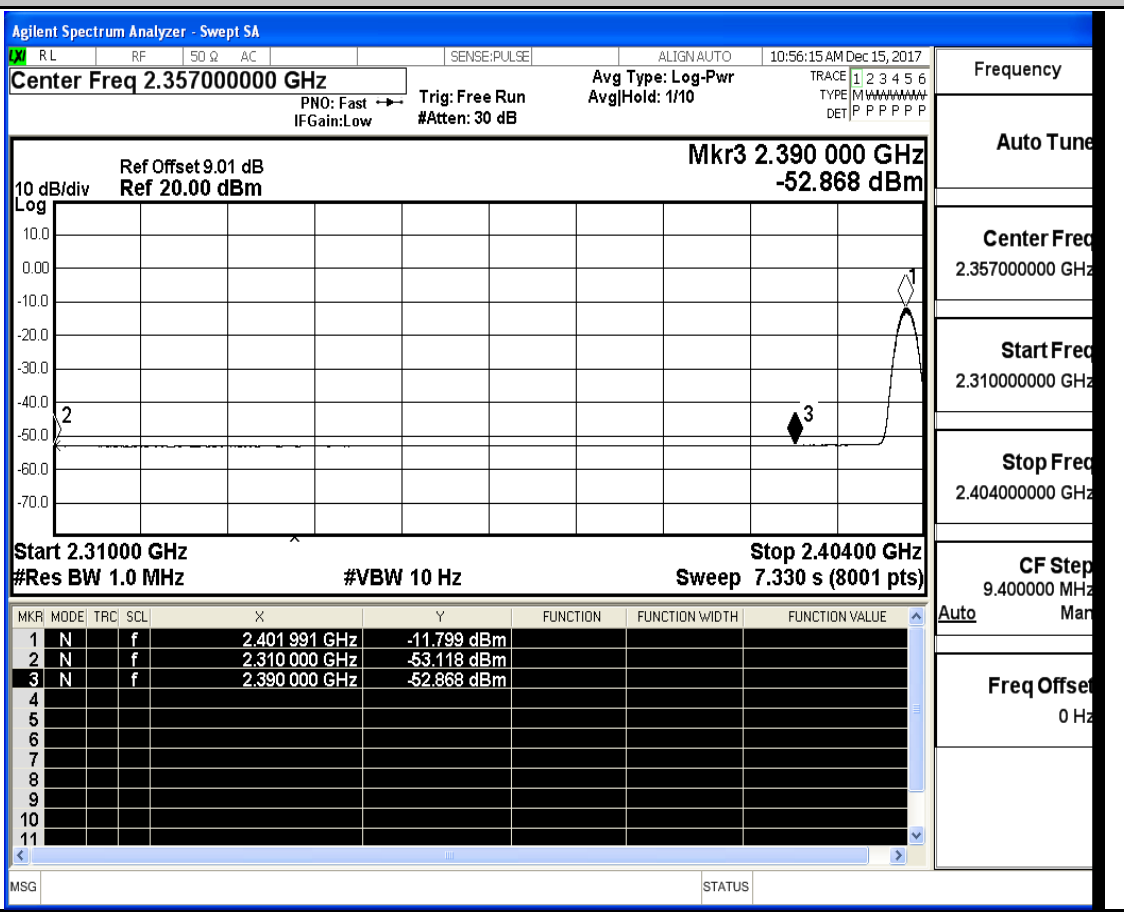
Restrict-band band-edge measurements_2480_AV



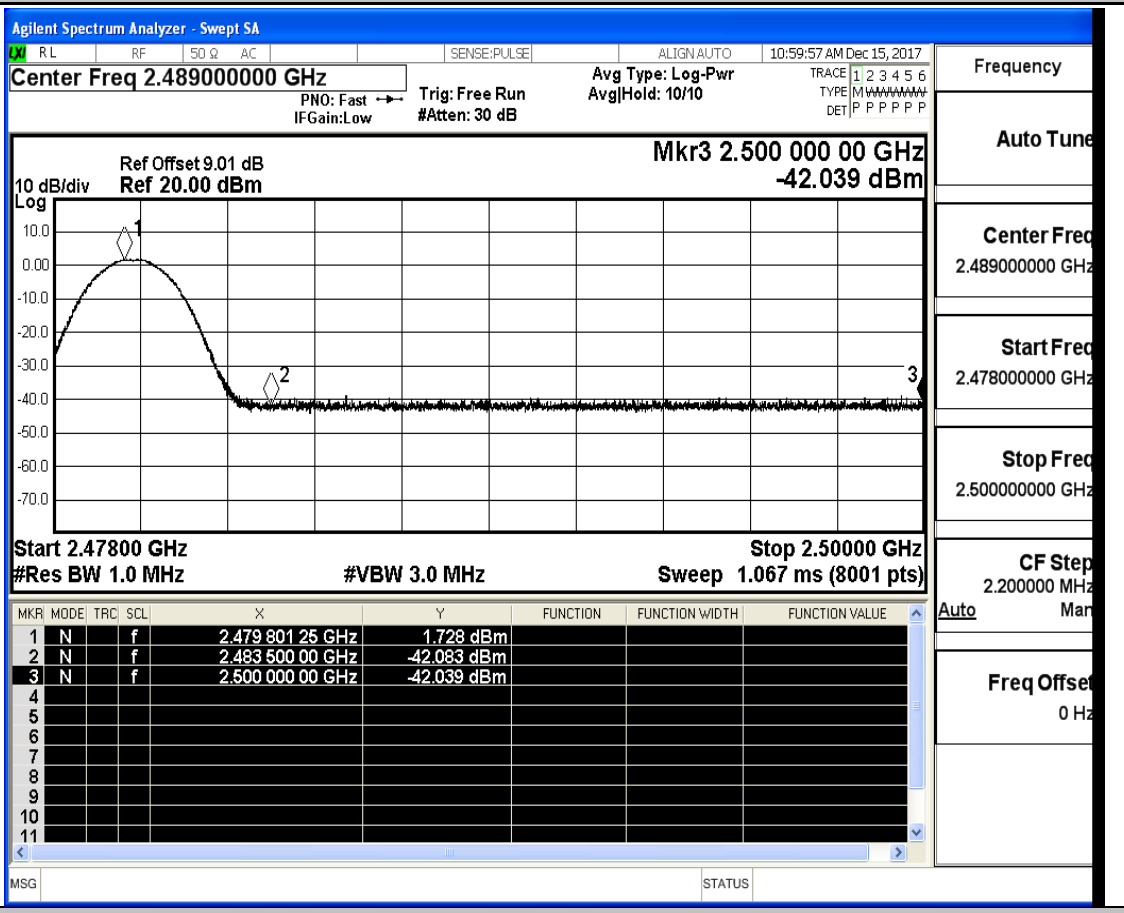
Restrict-band band-edge measurements_2402_PEAK



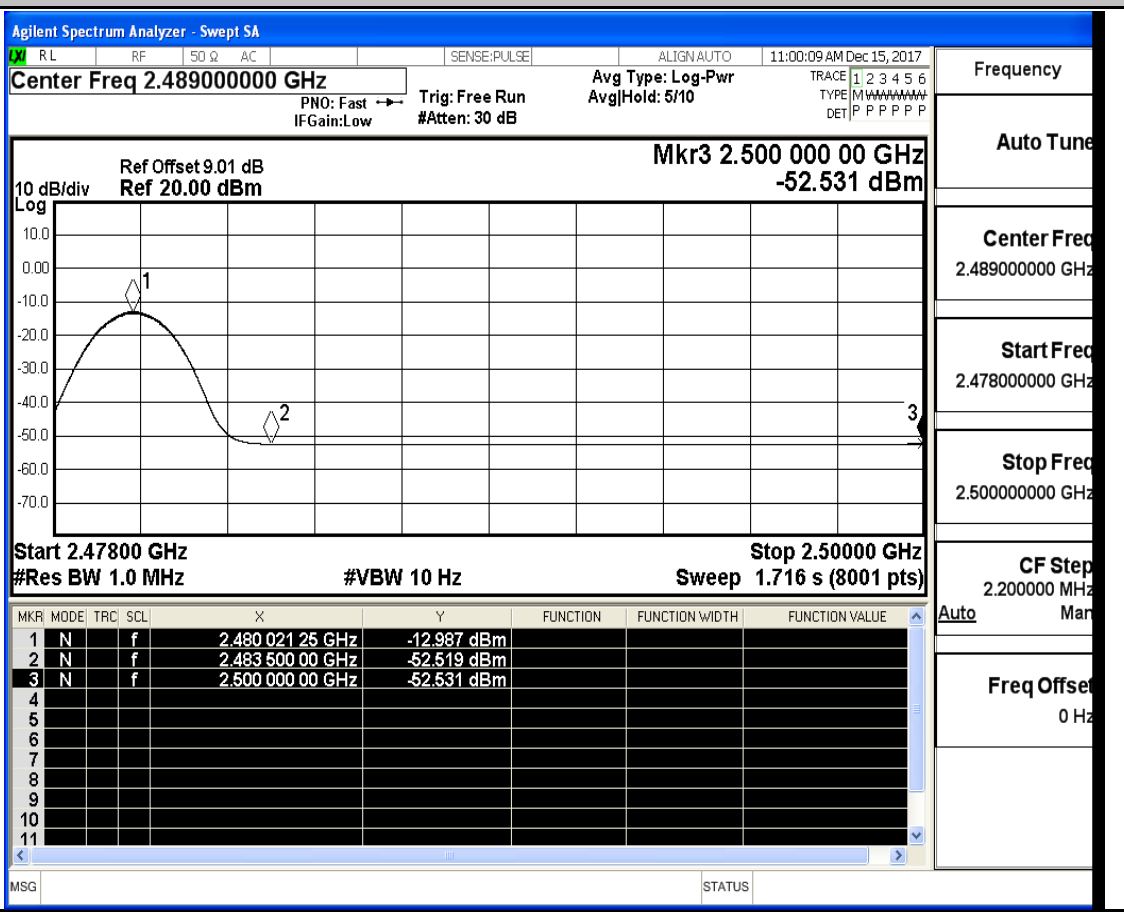
Restrict-band band-edge measurements_2402_AV



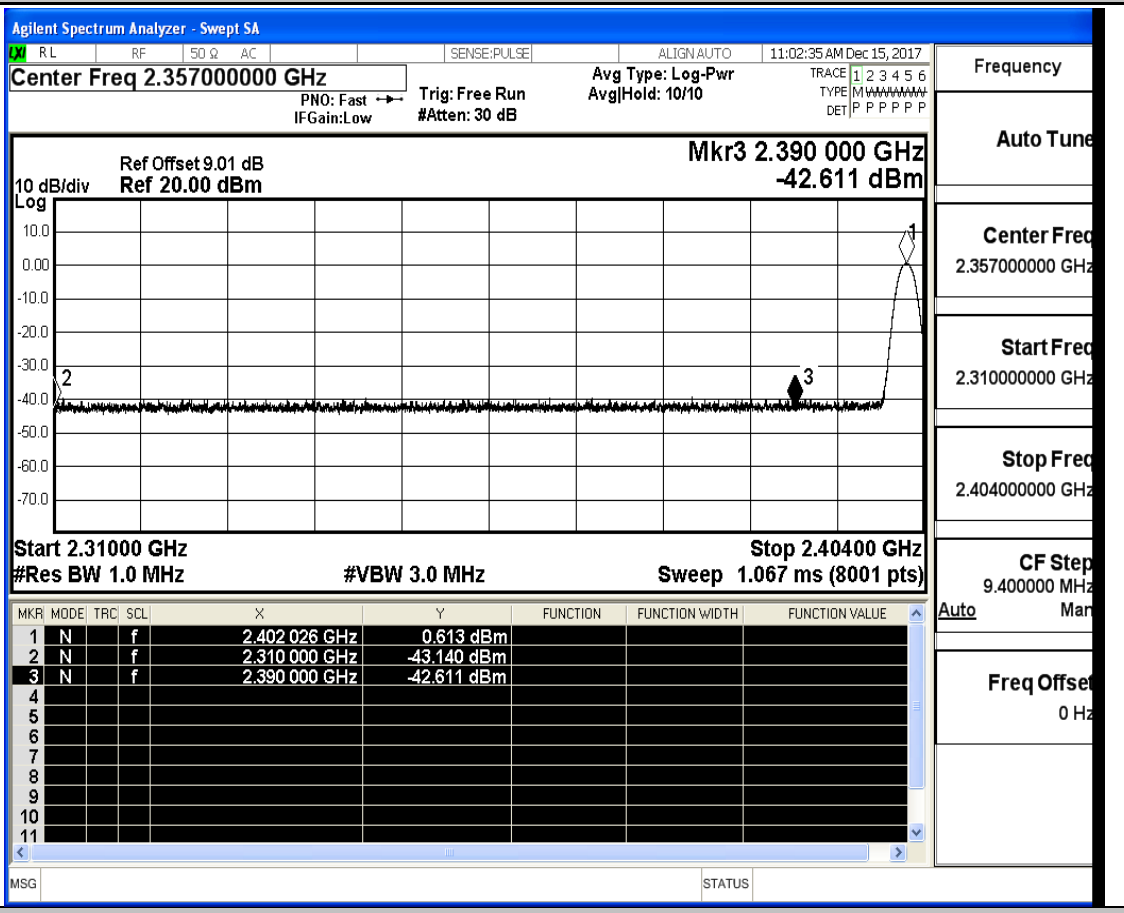
Restrict-band band-edge measurements_2480_PEAK



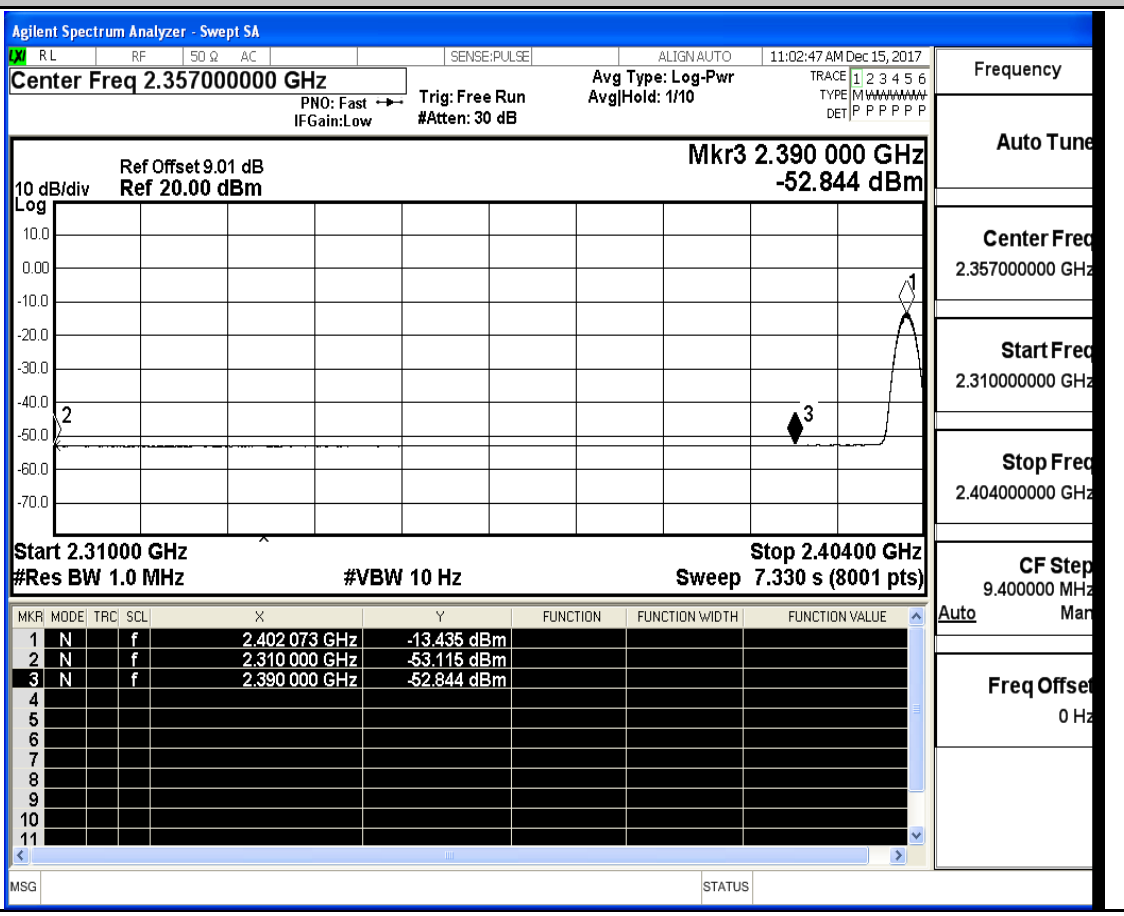
Restrict-band band-edge measurements_2480_AV



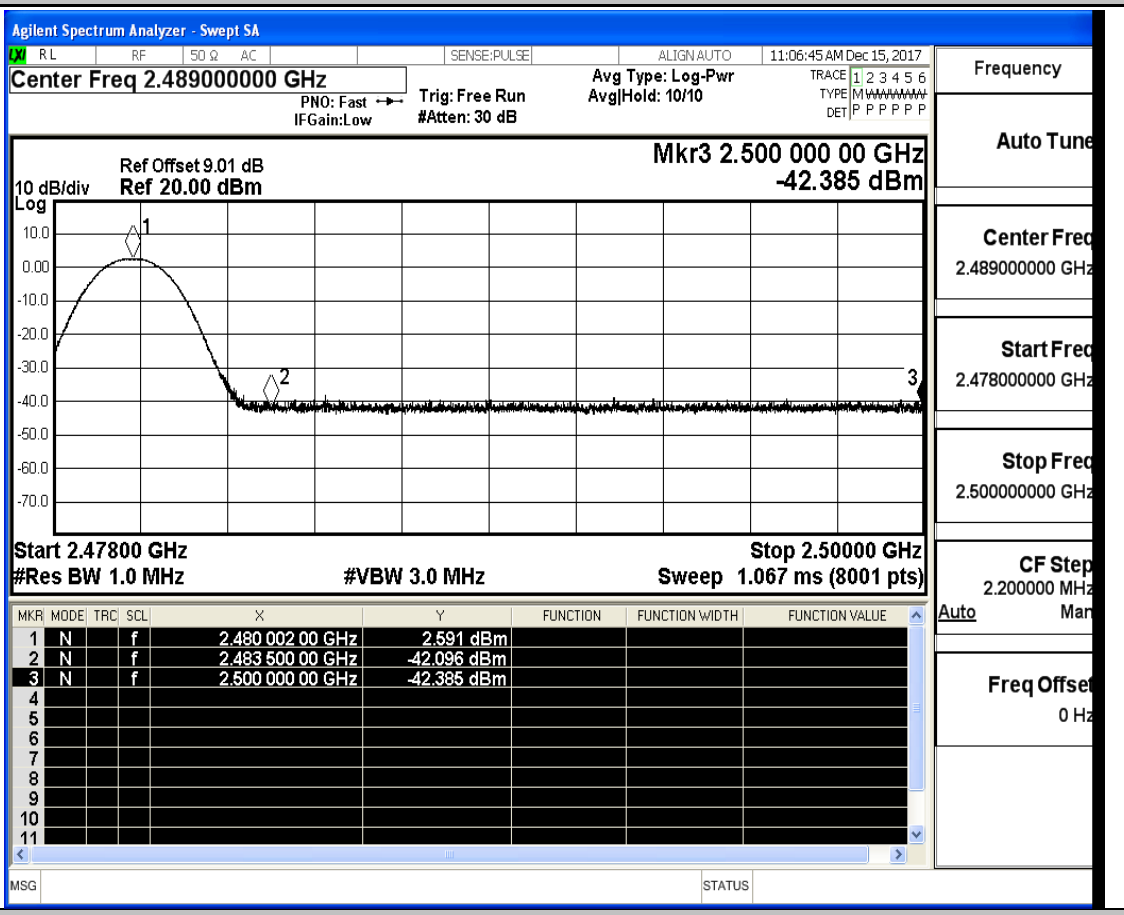
Restrict-band band-edge measurements_2402_PEAK



Restrict-band band-edge measurements_2402_AV



Restrict-band band-edge measurements_2480_PEAK



Restrict-band band-edge measurements_2480_AV