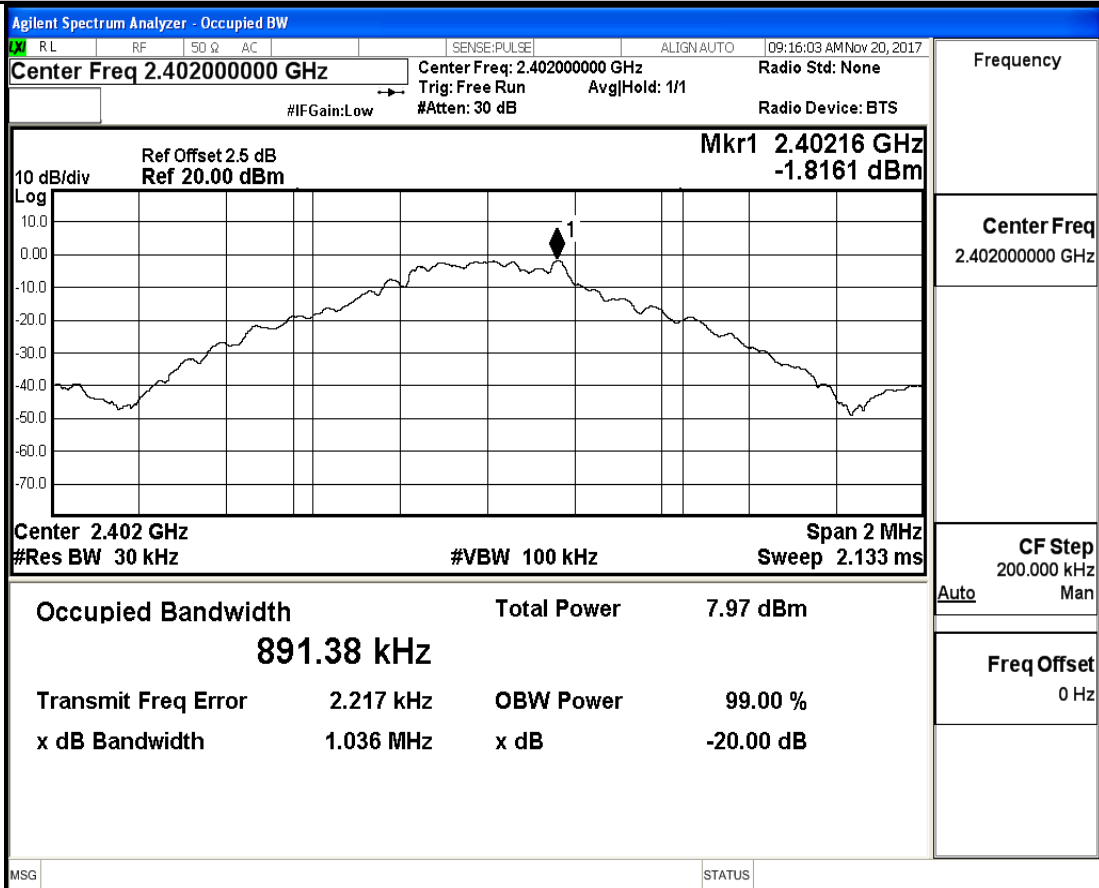


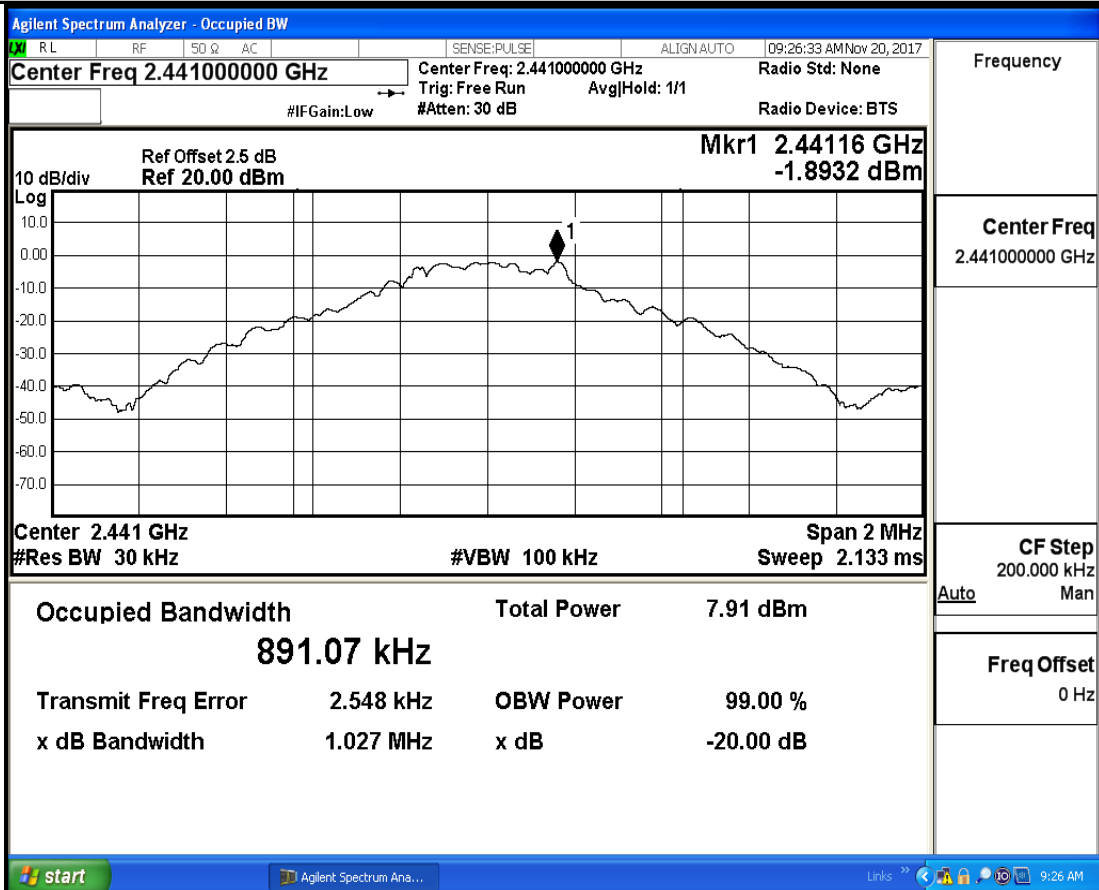
1.20 dB Bandwidth

Test Mode	Test Channel	20 dB BW[MHz]	99%BW[MHz]	Limit[MHz]	Verdict
DH5	2402	1.036	0.89138	---	PASS
DH5	2441	1.027	0.89107	---	PASS
DH5	2480	1.027	0.89160	---	PASS
2DH5	2402	1.293	1.1722	---	PASS
2DH5	2441	1.292	1.1725	---	PASS
2DH5	2480	1.307	1.1739	---	PASS
3DH5	2402	1.304	1.1816	---	PASS
3DH5	2441	1.299	1.1852	---	PASS
3DH5	2480	1.301	1.1867	---	PASS

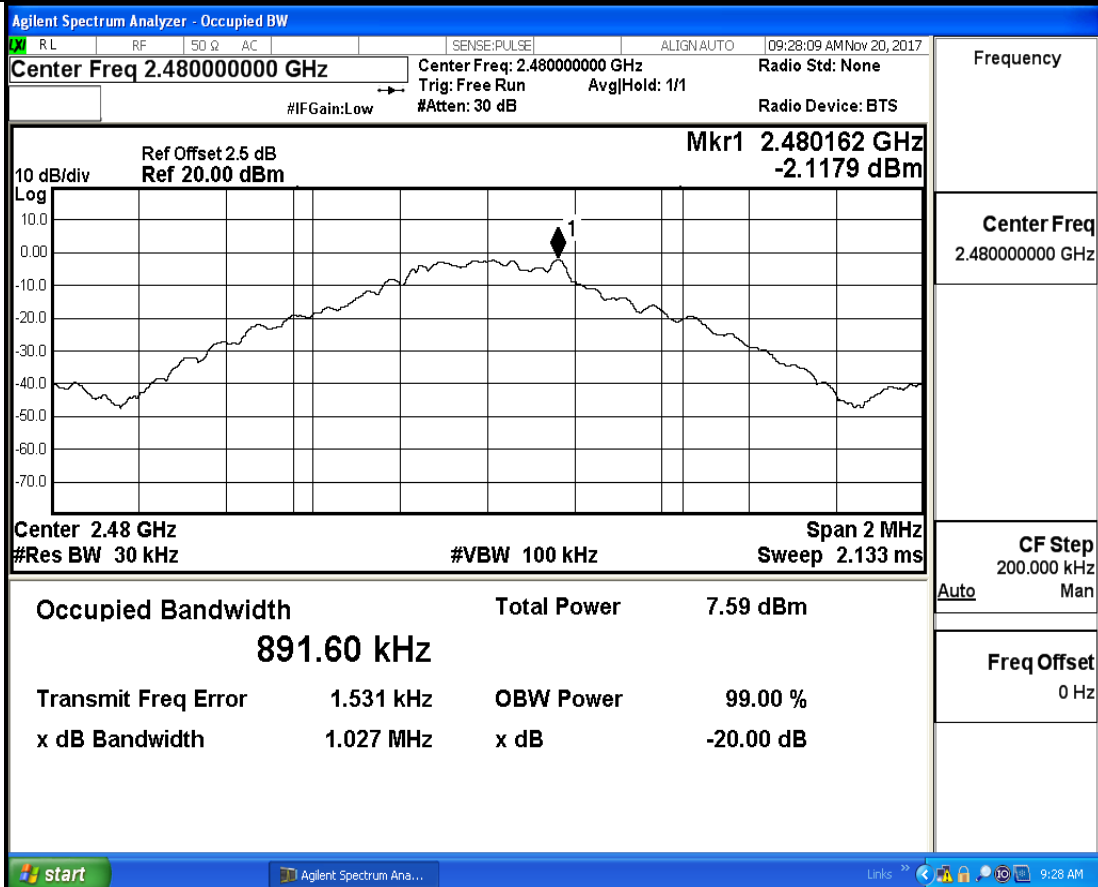
20 dB Bandwidth_DH5_2402



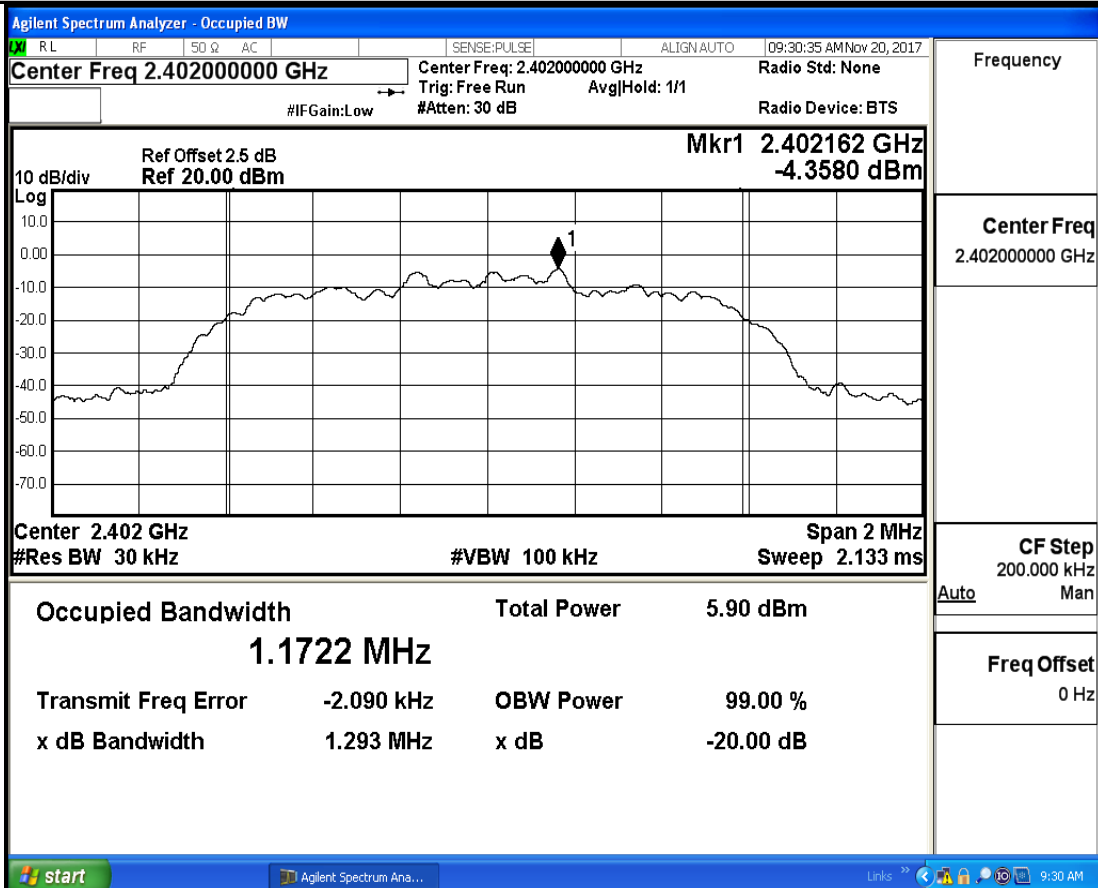
20 dB Bandwidth_DH5_2441



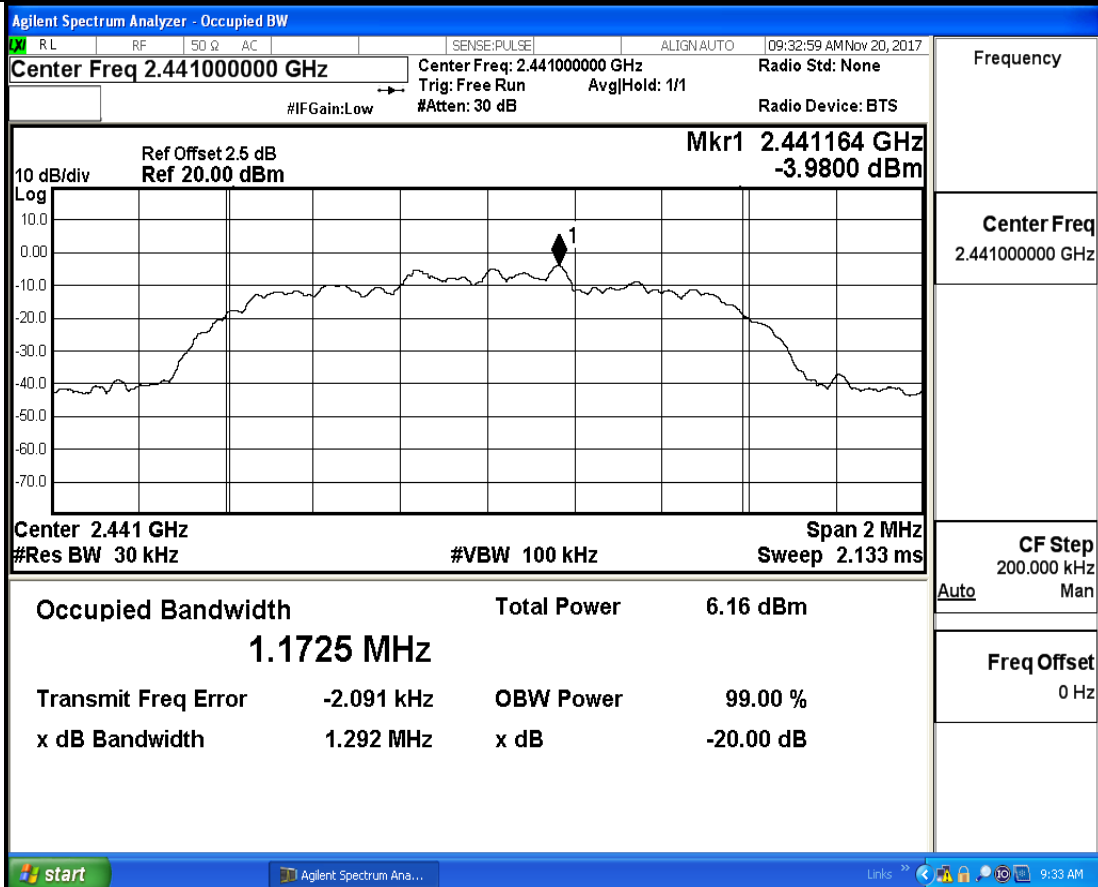
20 dB Bandwidth_DH5_2480



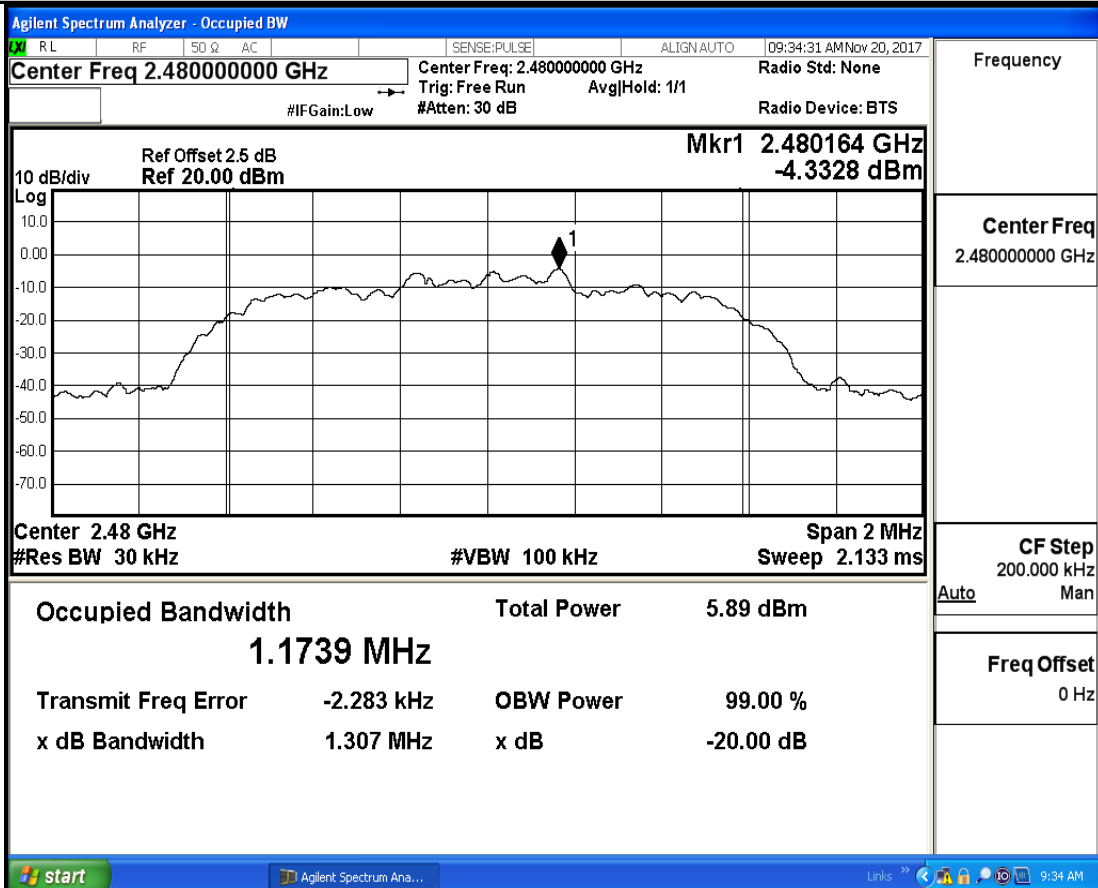
20 dB Bandwidth_2DH5_2402



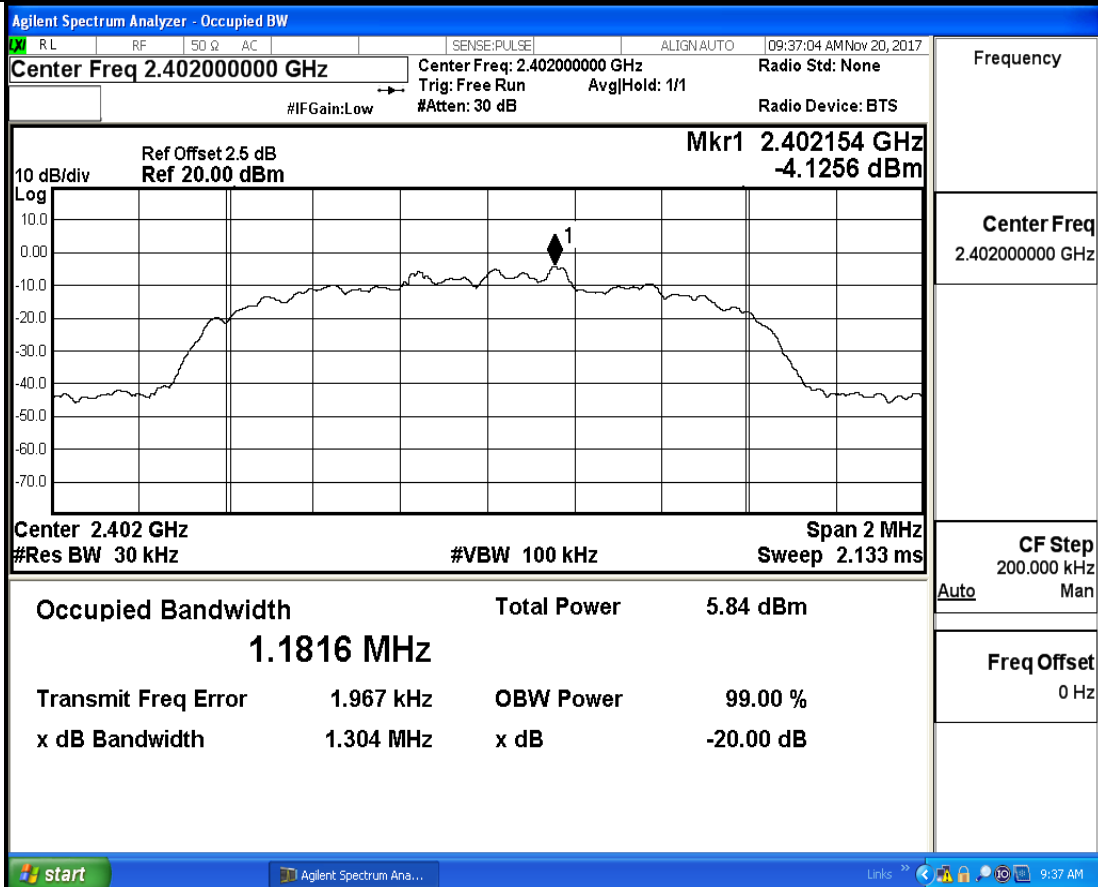
20 dB Bandwidth_2DH5_2441



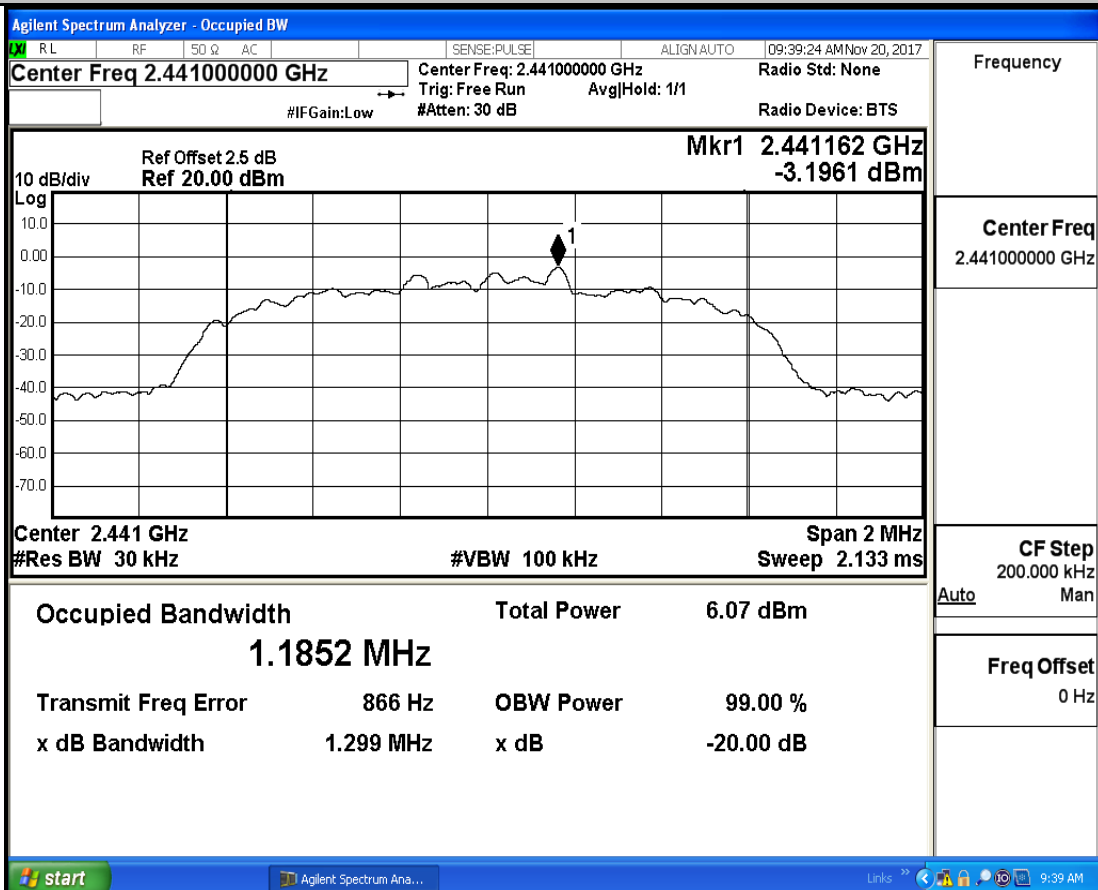
20 dB Bandwidth_2DH5_2480

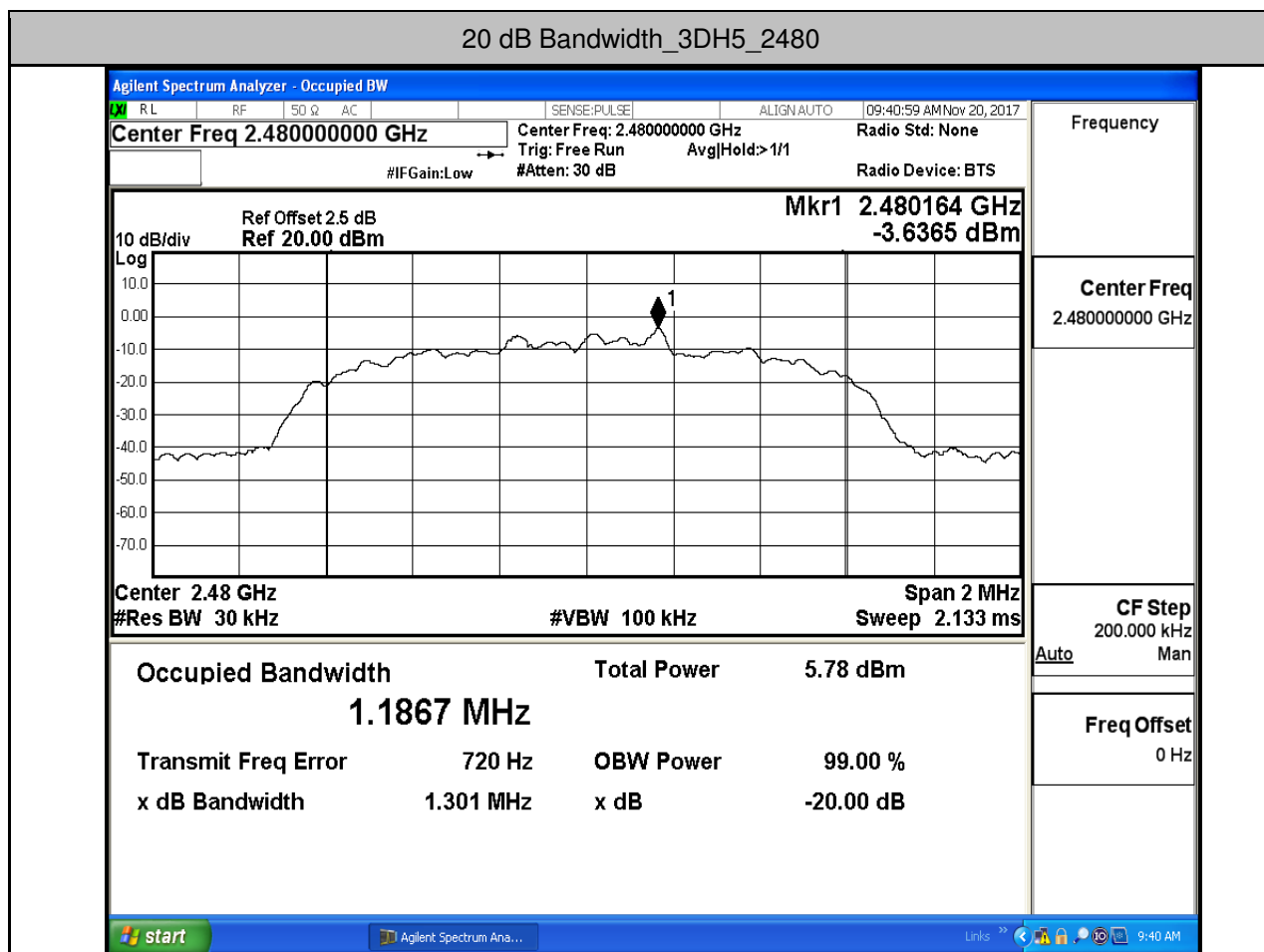


20 dB Bandwidth_3DH5_2402



20 dB Bandwidth_3DH5_2441





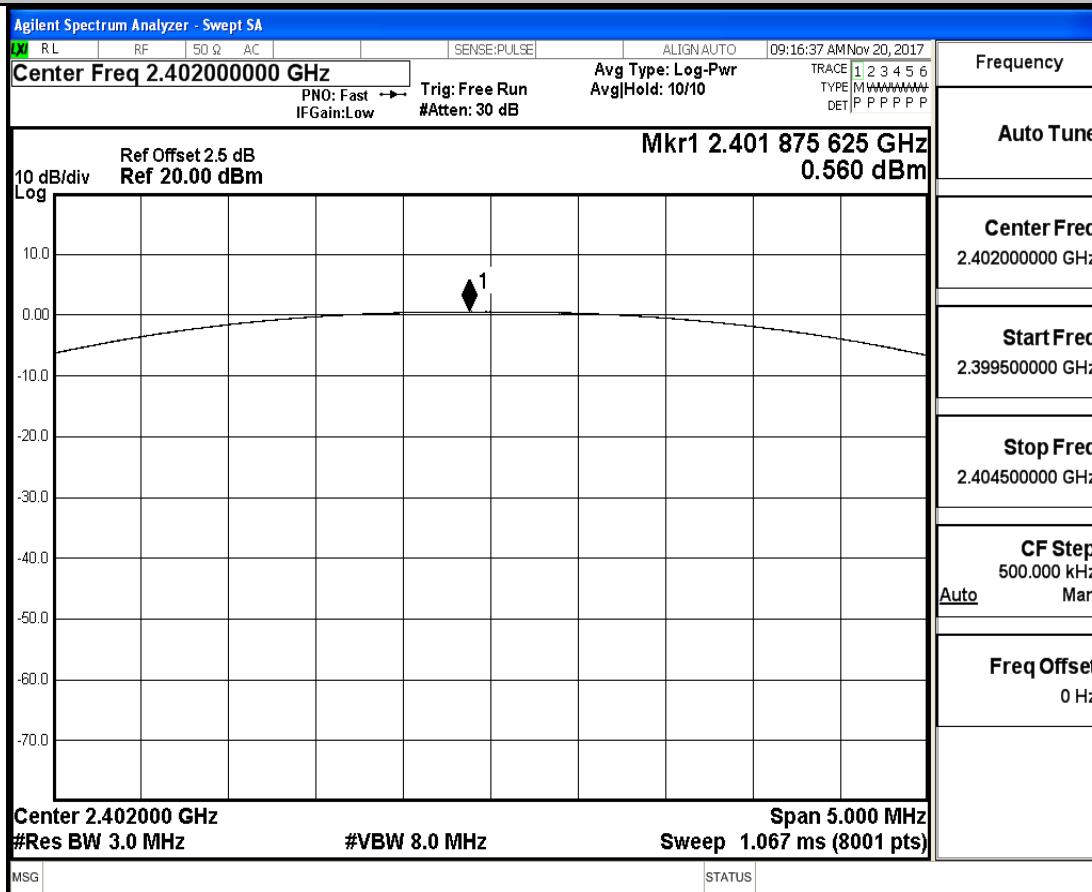
2.Occupied Bandwidth

Test Mode	Test Channel	OBW[MHz]	Limit[MHz]	Verdict
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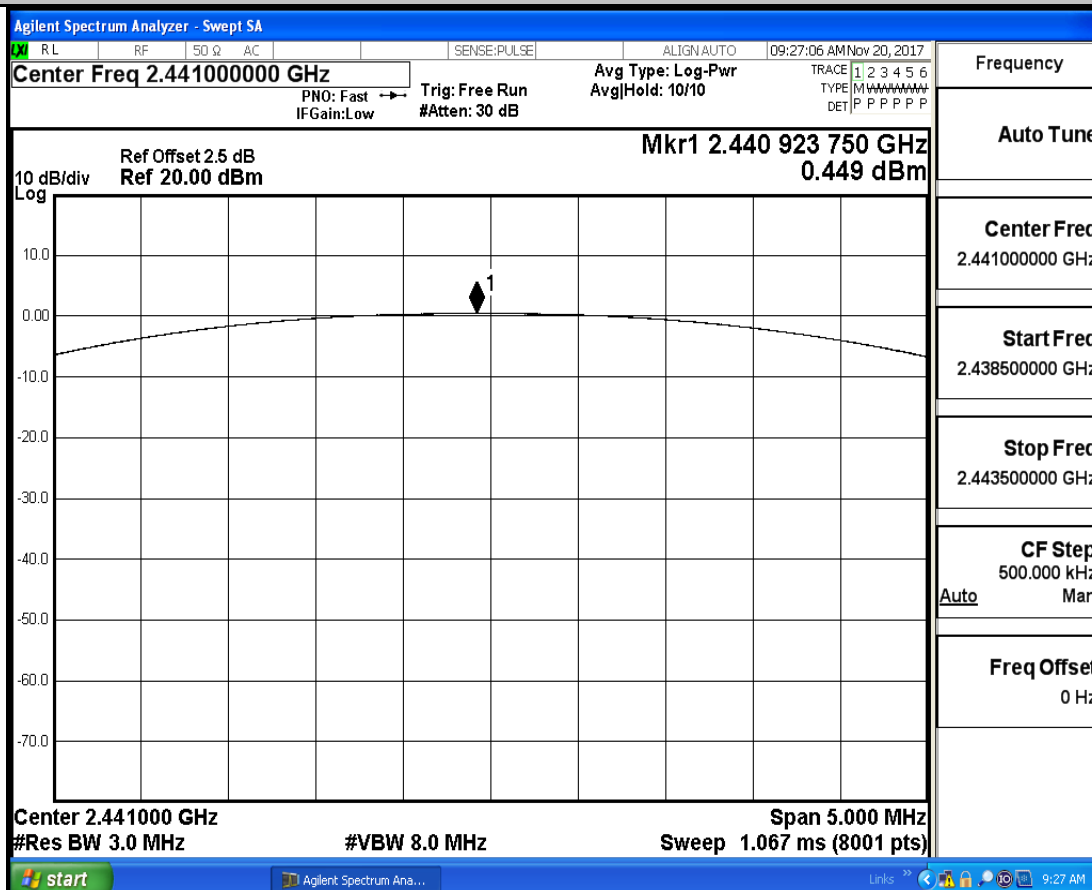
3.Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
DH5	2402	0.560	21	PASS
DH5	2441	0.449	21	PASS
DH5	2480	0.171	21	PASS
2DH5	2402	-0.280	21	PASS
2DH5	2441	-0.250	21	PASS
2DH5	2480	-0.552	21	PASS
3DH5	2402	-0.109	21	PASS
3DH5	2441	-0.101	21	PASS
3DH5	2480	-0.390	21	PASS

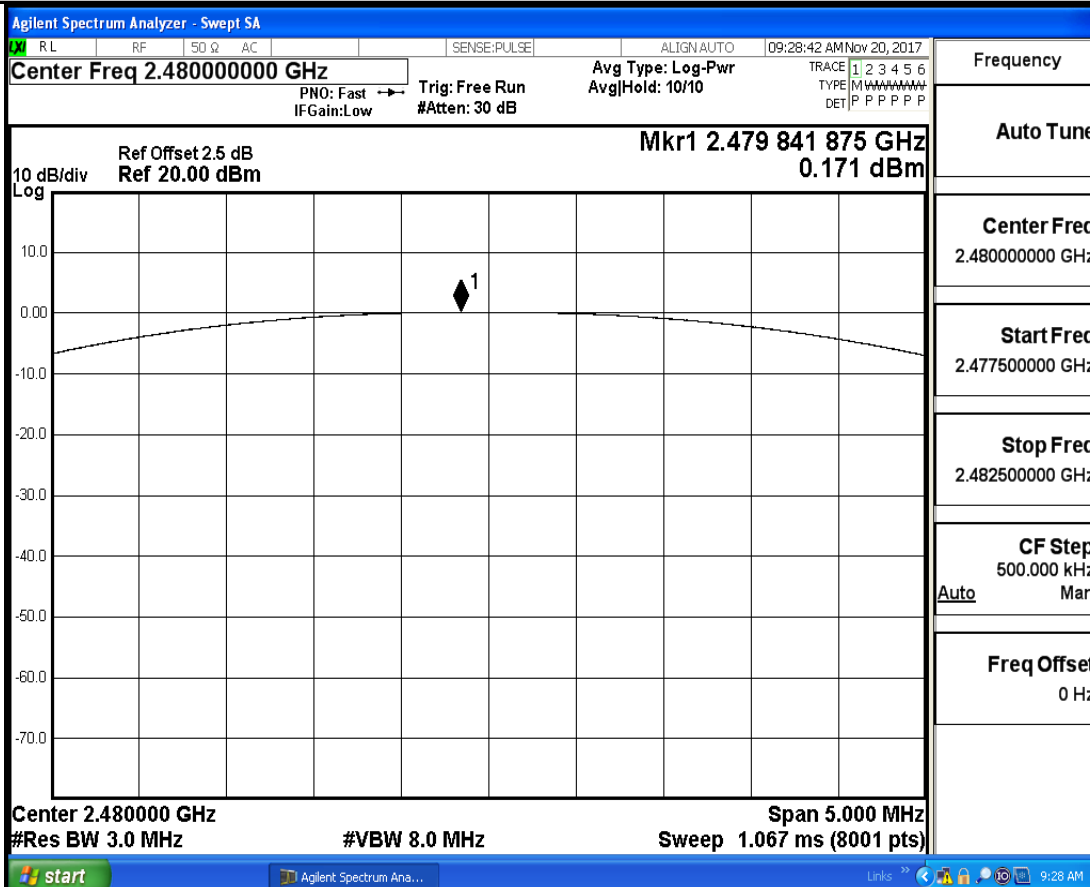
Conducted Peak Output Power_DH5_2402



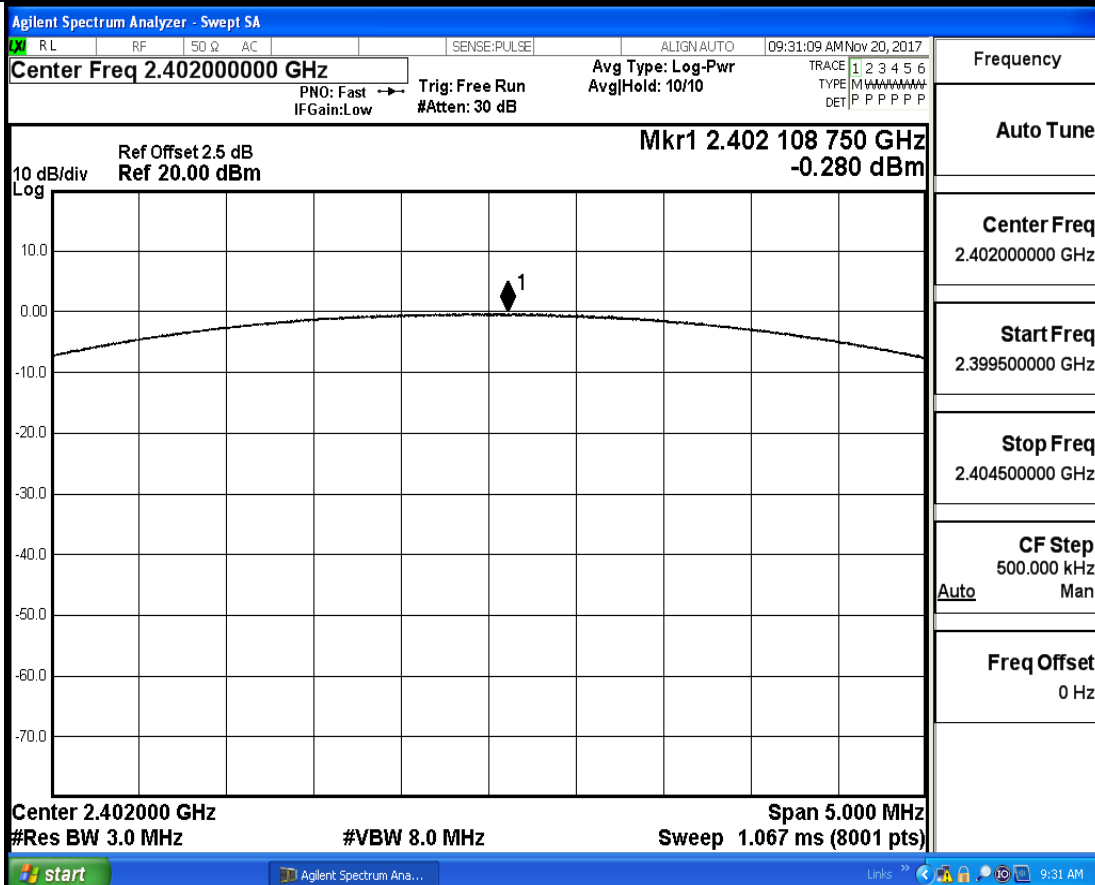
Conducted Peak Output Power_DH5_2441



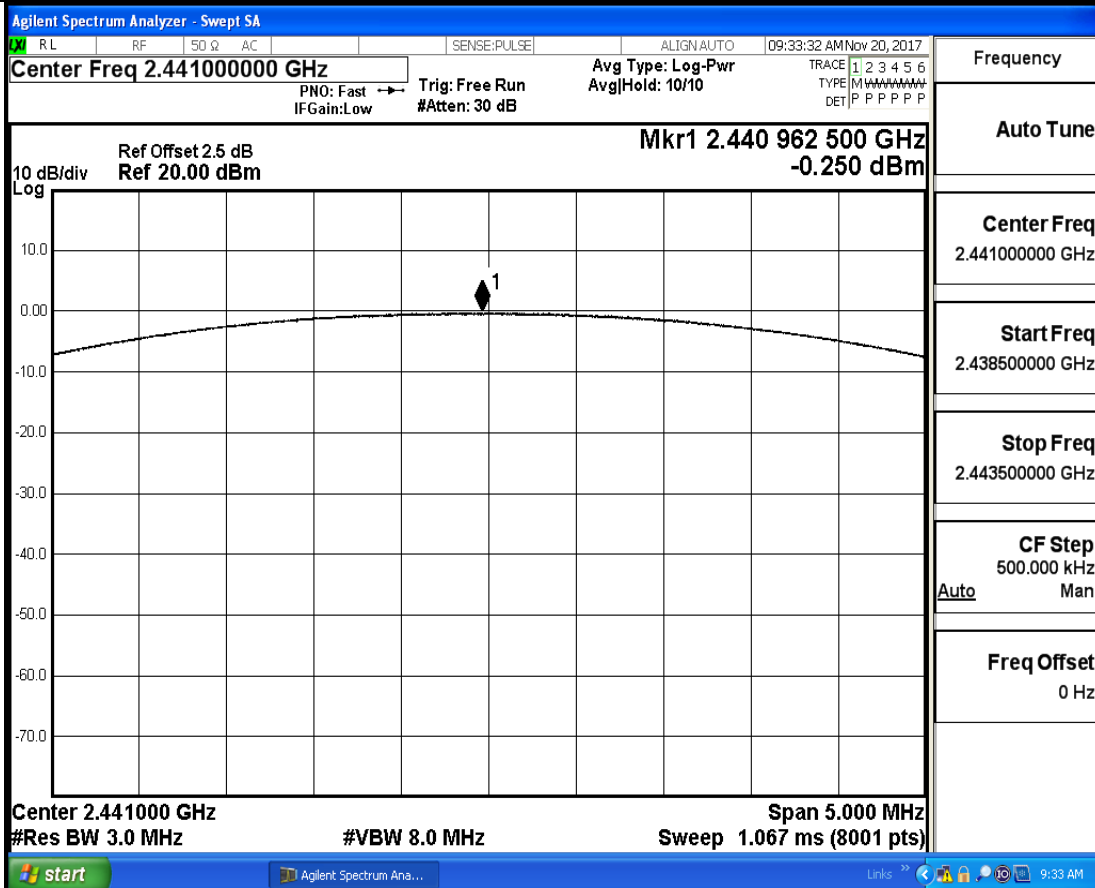
Conducted Peak Output Power_DH5_2480



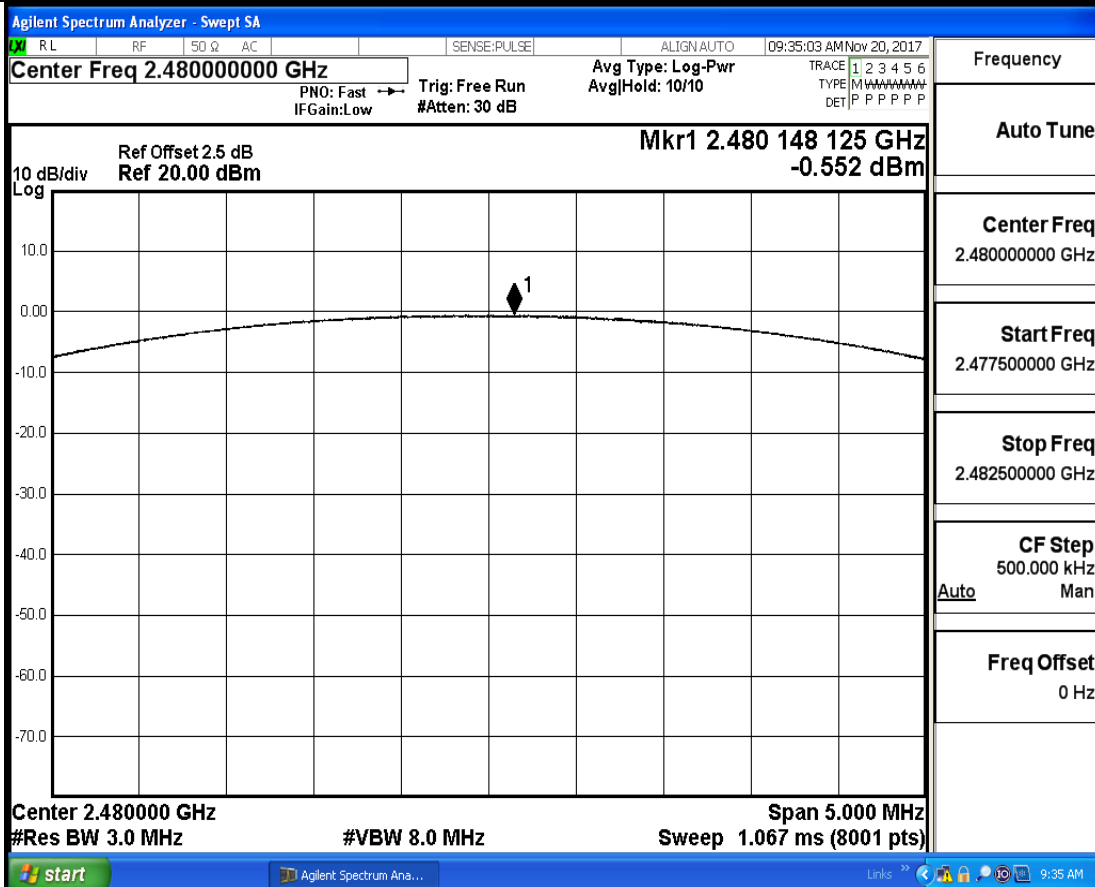
Conducted Peak Output Power_2DH5_2402



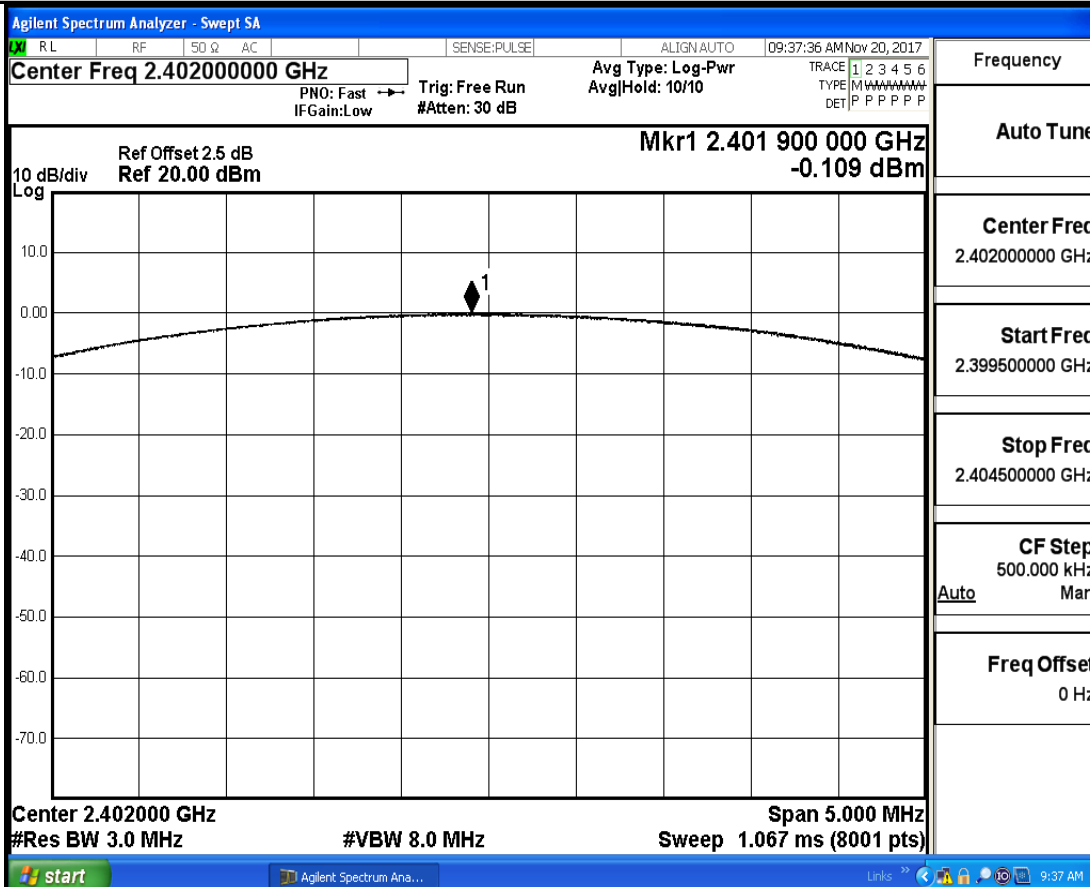
Conducted Peak Output Power_2DH5_2441



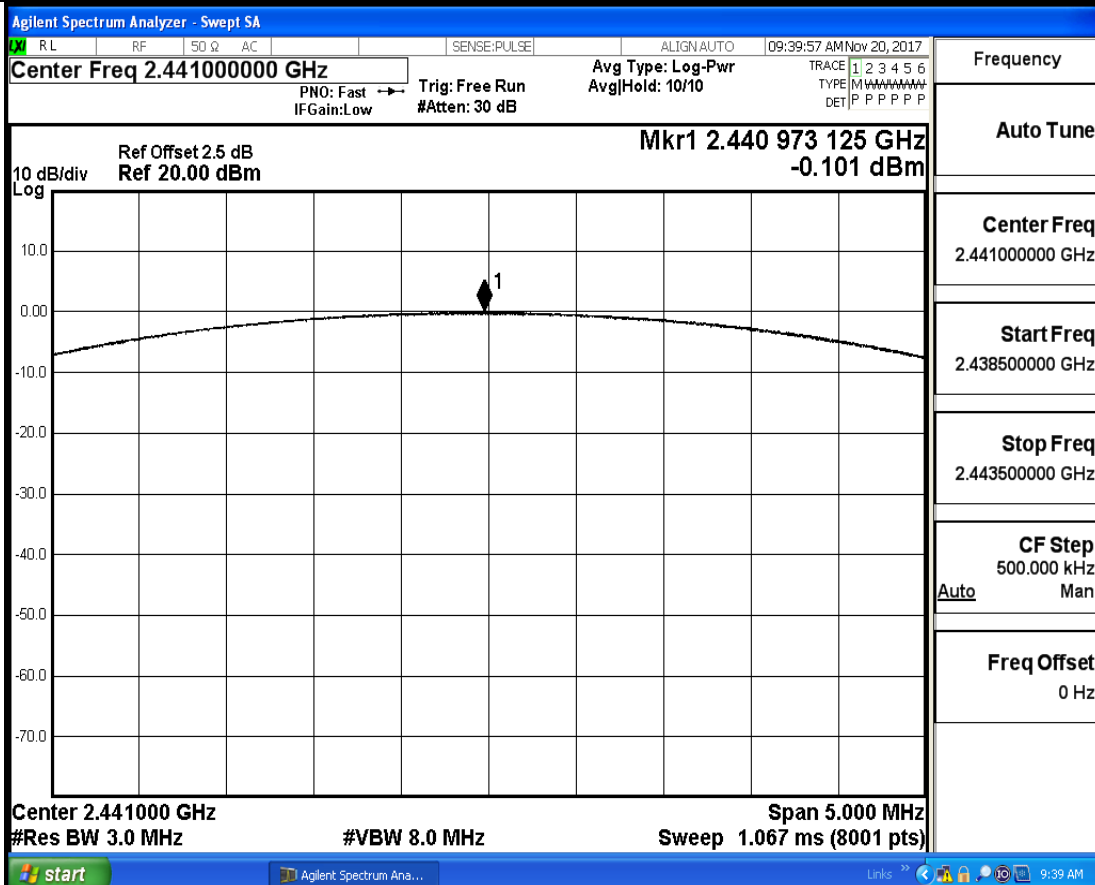
Conducted Peak Output Power_2DH5_2480



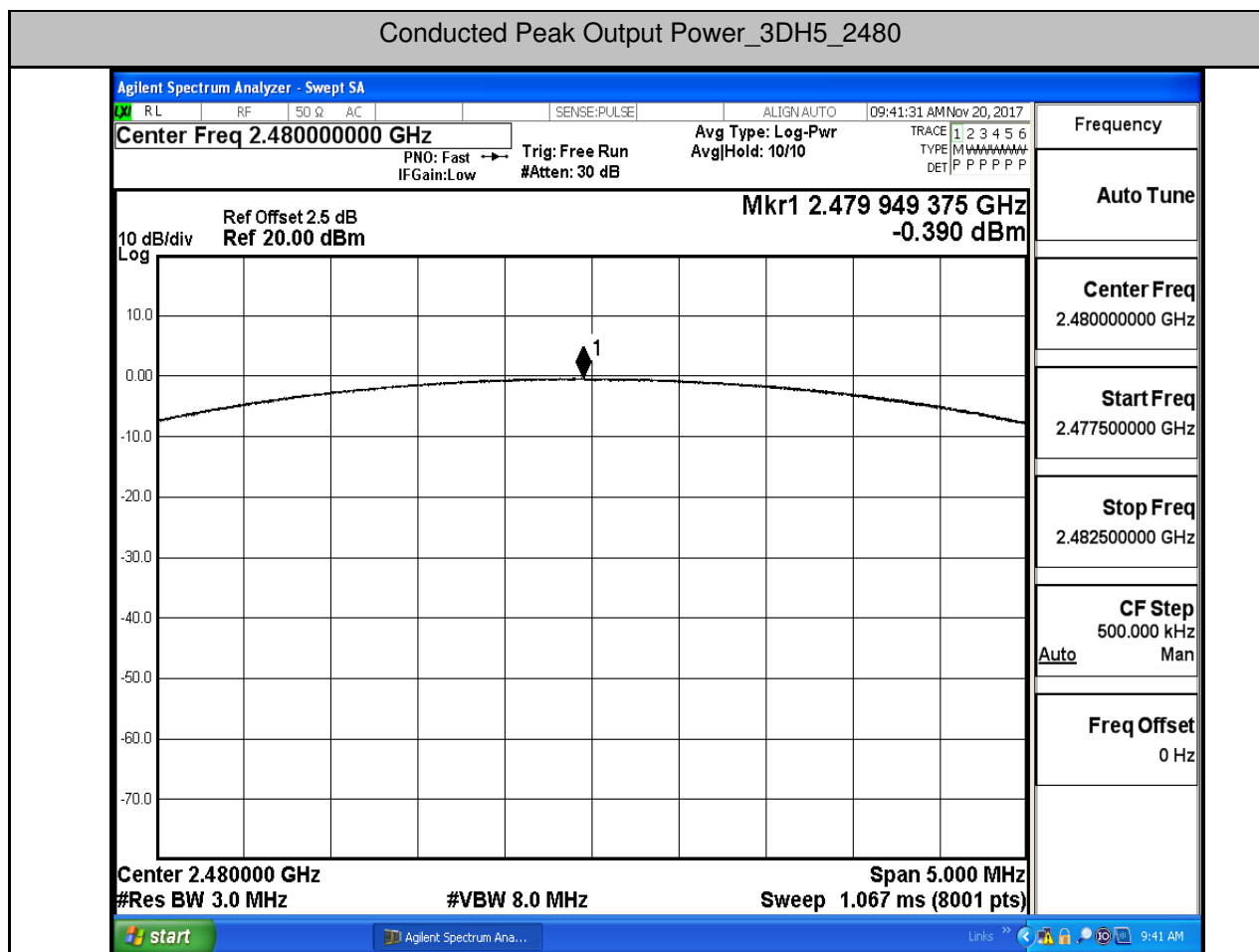
Conducted Peak Output Power_3DH5_2402



Conducted Peak Output Power_3DH5_2441



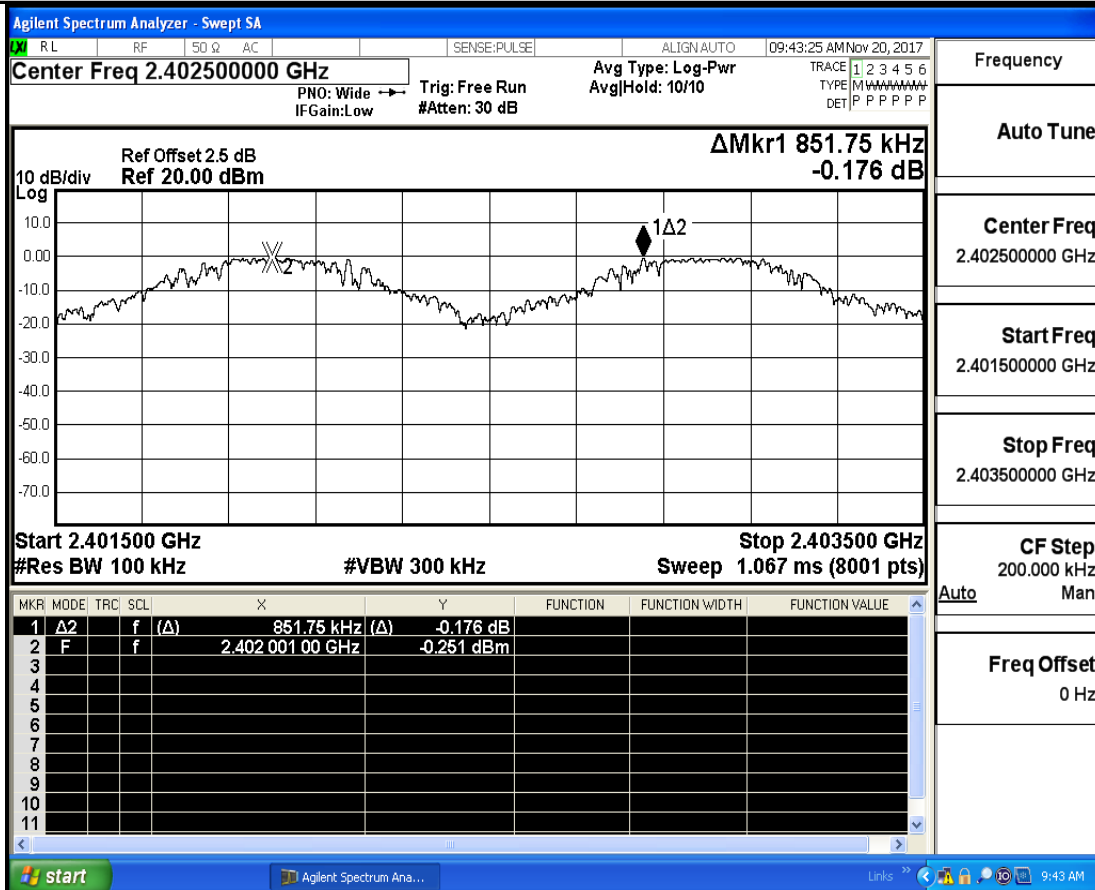
Conducted Peak Output Power_3DH5_2480



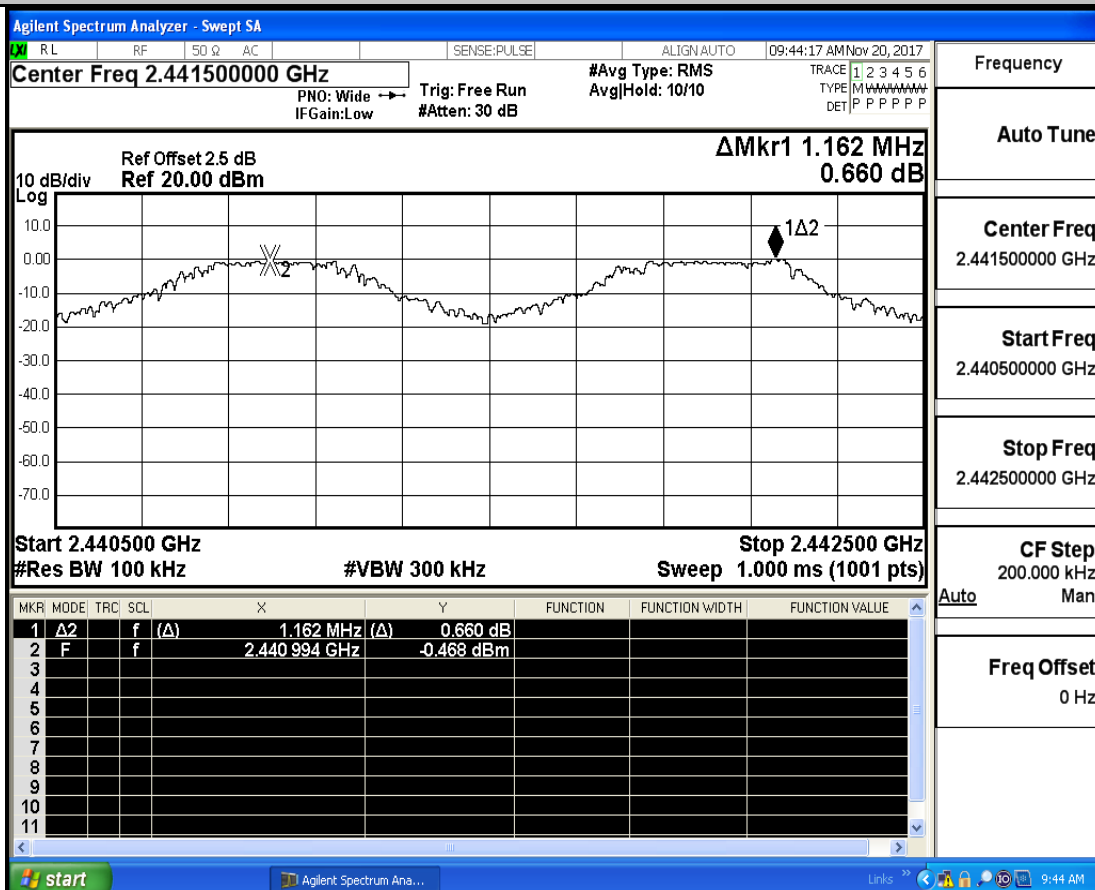
4.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	2402	0.852	0.691	PASS
DH5	2441	1.162	0.685	PASS
DH5	2480	1.080	0.685	PASS
2DH5	2402	1.182	0.788	PASS
2DH5	2441	1.024	0.683	PASS
2DH5	2480	0.996	0.664	PASS
3DH5	2402	1.134	0.756	PASS
3DH5	2441	0.988	0.659	PASS
3DH5	2480	1.012	0.675	PASS

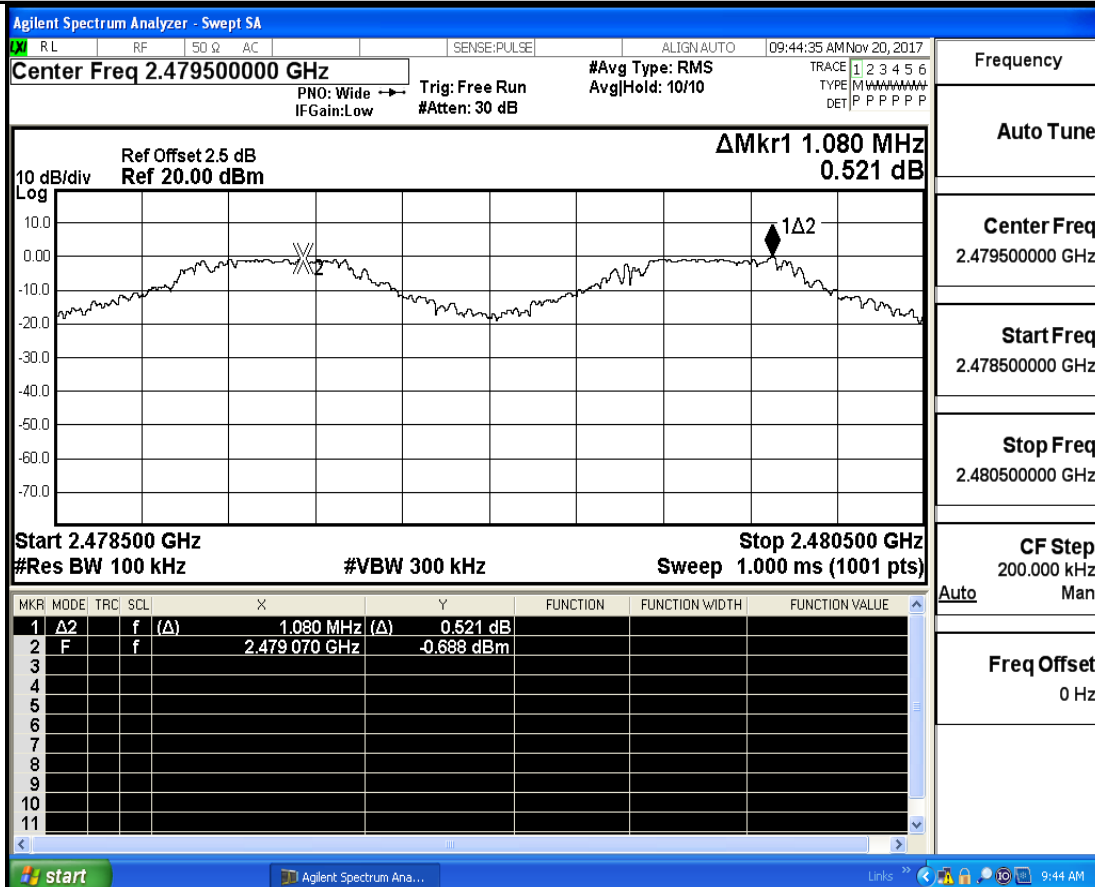
Carrier Frequency Separation_DH5_2402



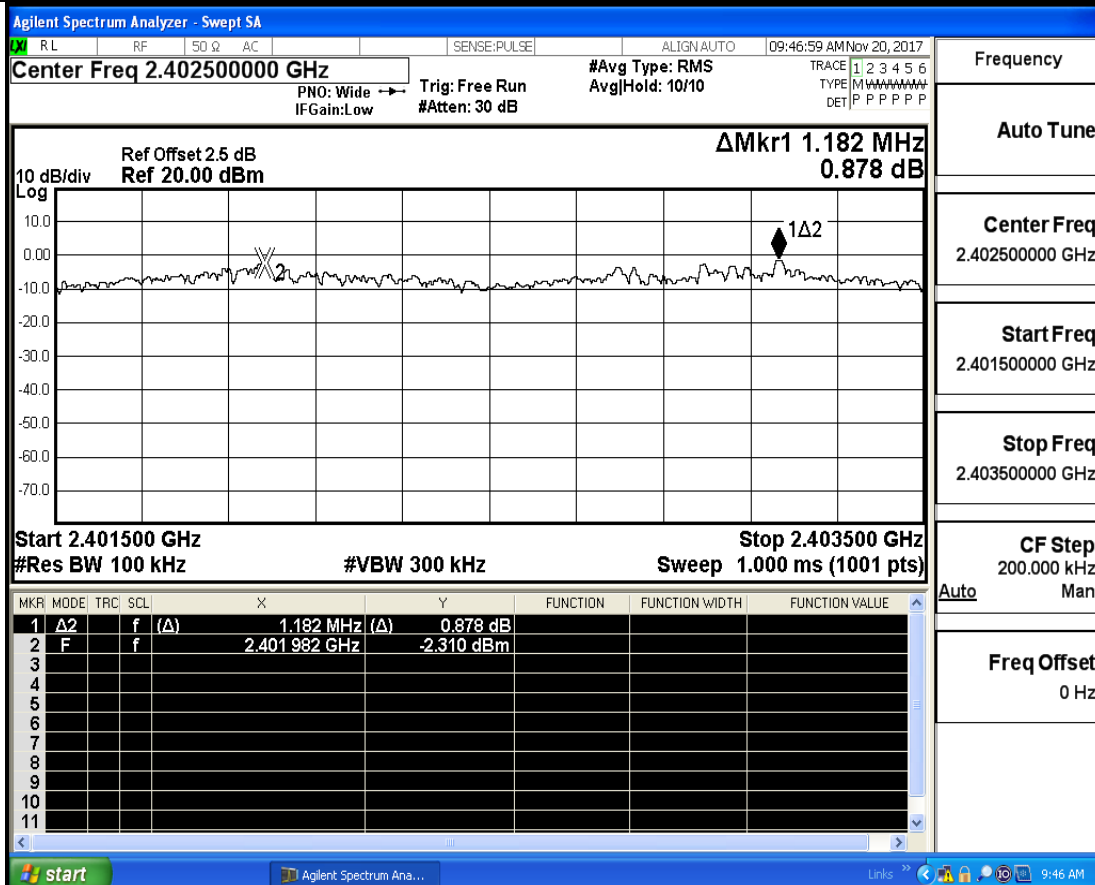
Carrier Frequency Separation_DH5_2441



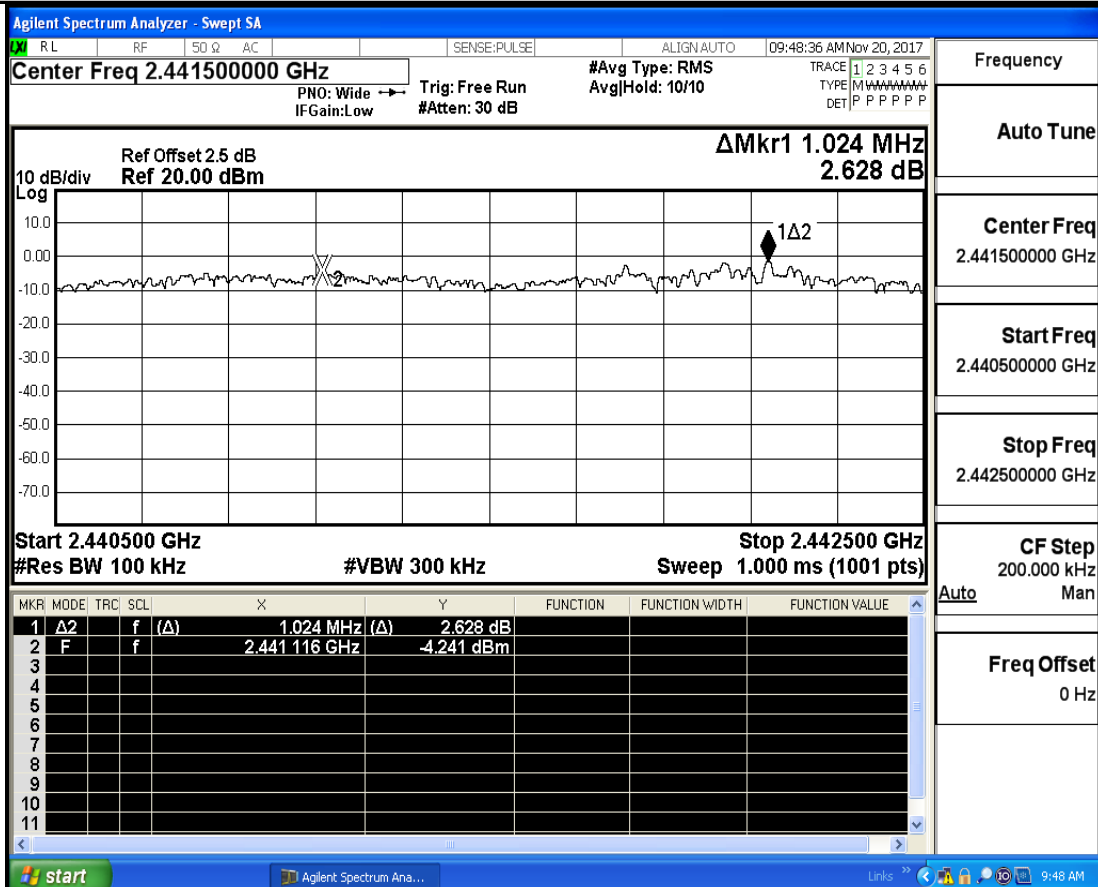
Carrier Frequency Separation_DH5_2480



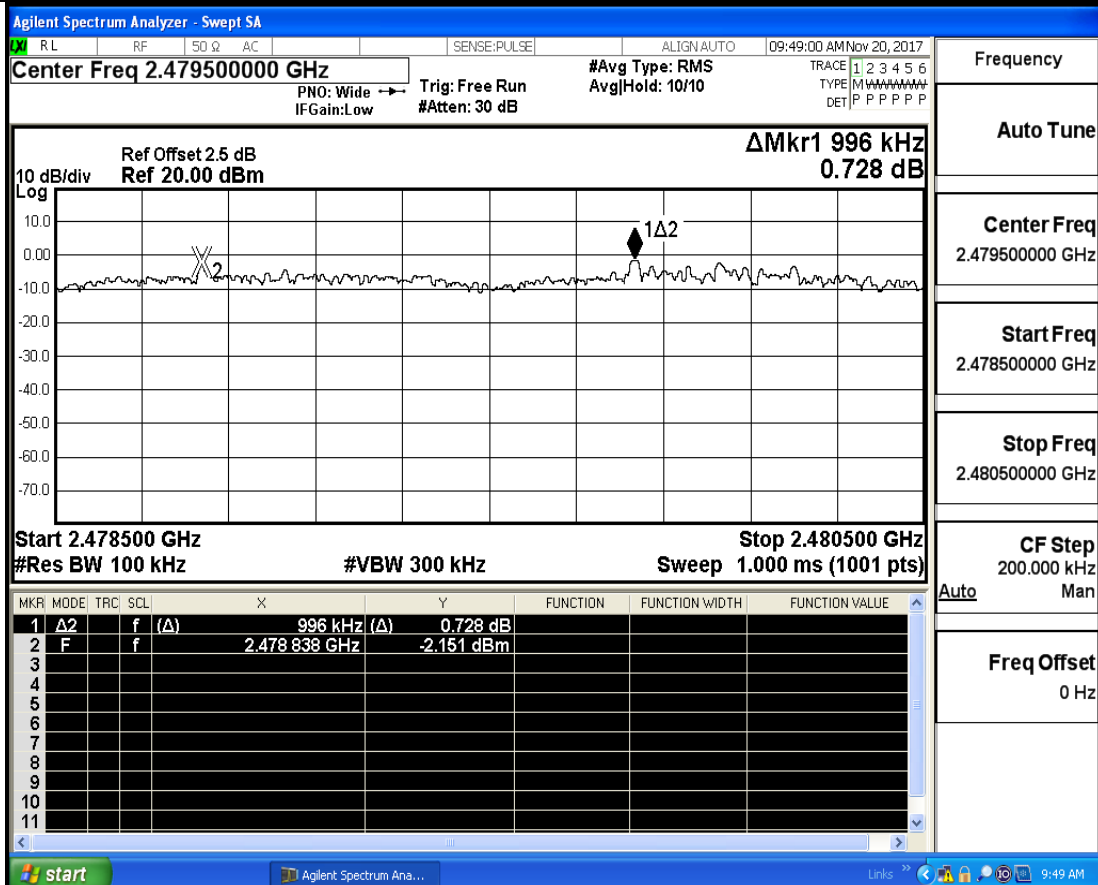
Carrier Frequency Separation_2DH5_2402



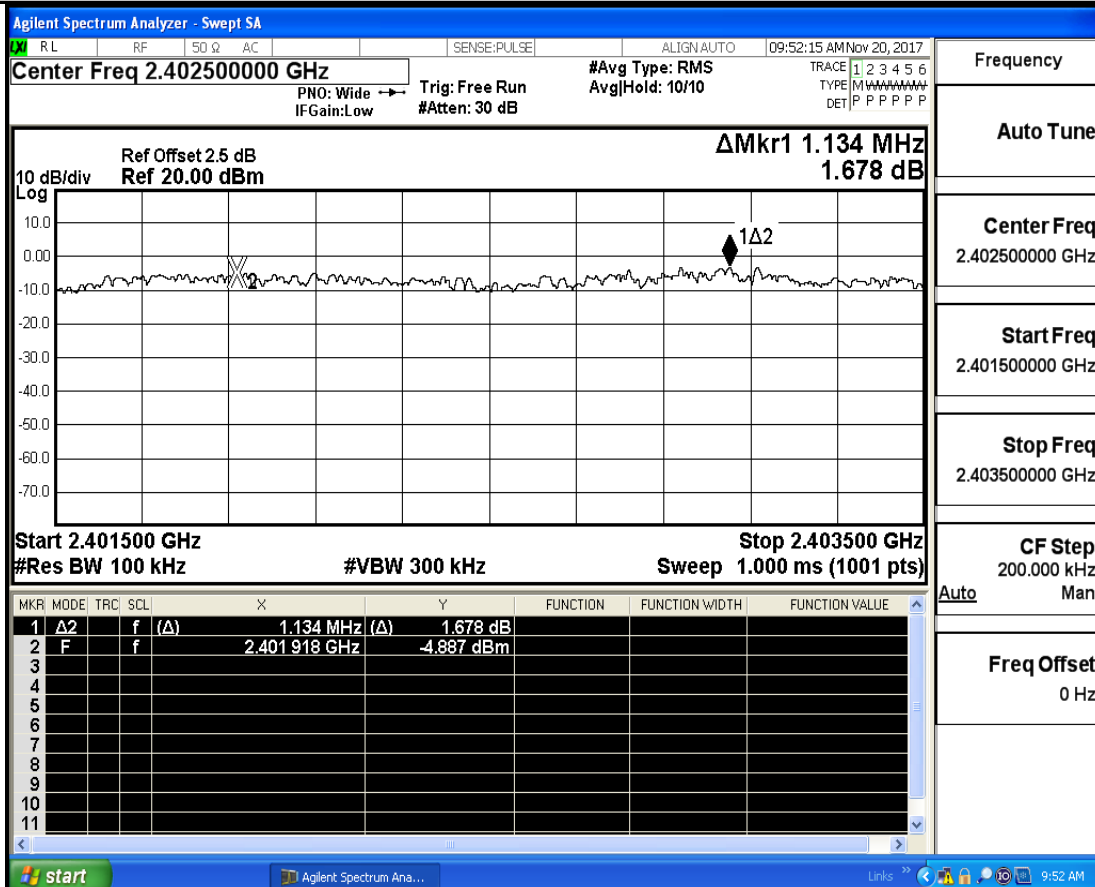
Carrier Frequency Separation_2DH5_2441



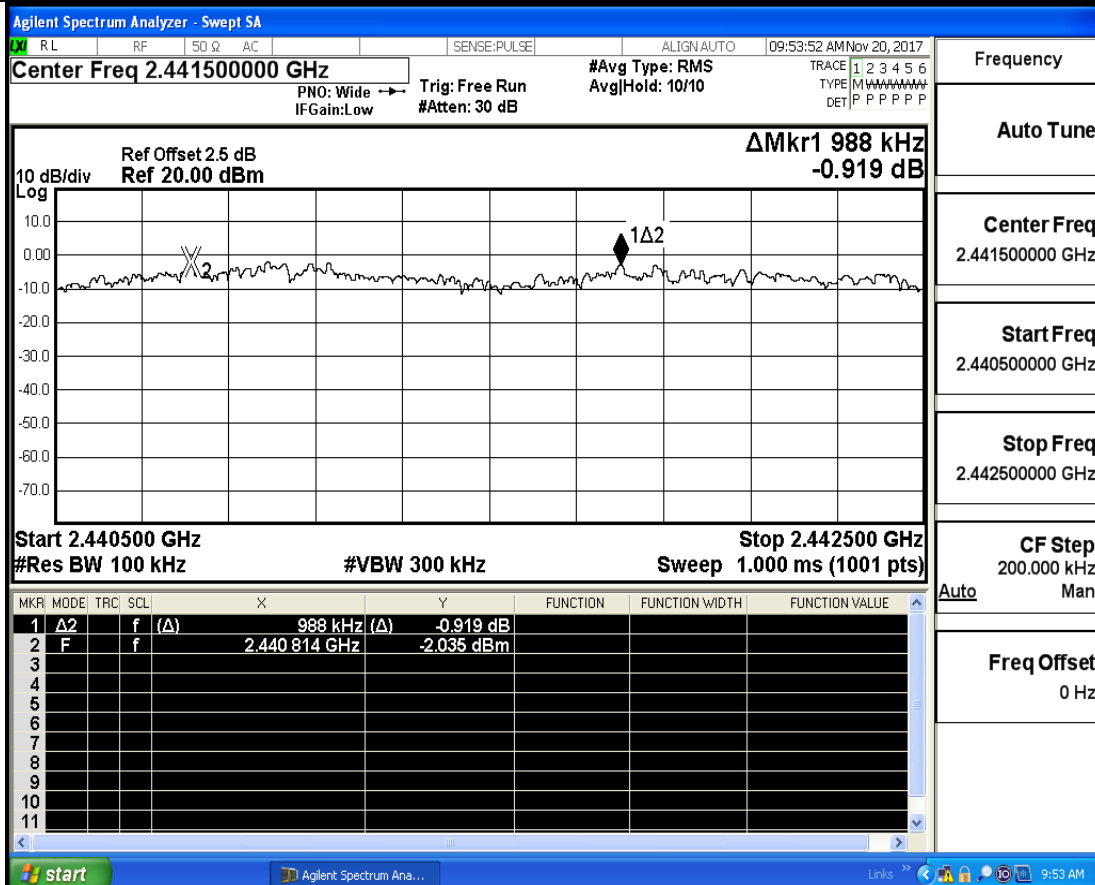
Carrier Frequency Separation_2DH5_2480



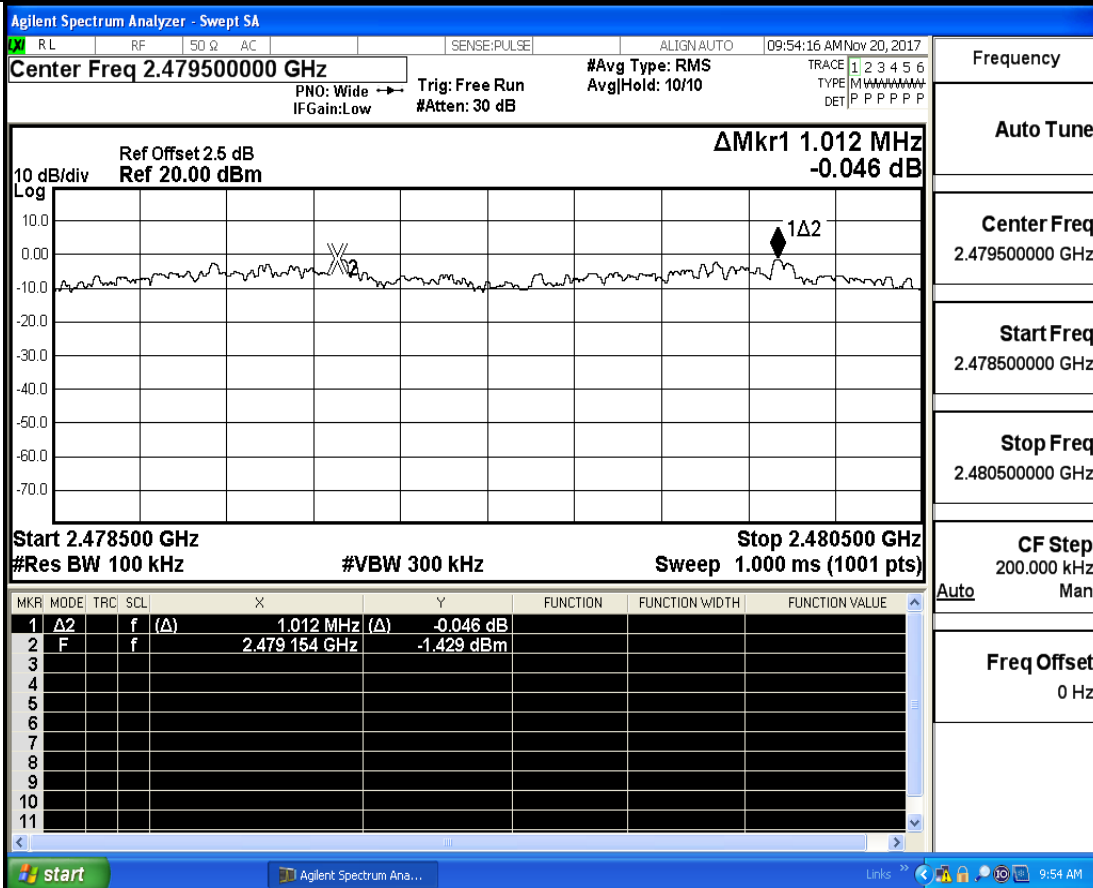
Carrier Frequency Separation_3DH5_2402



Carrier Frequency Separation_3DH5_2441



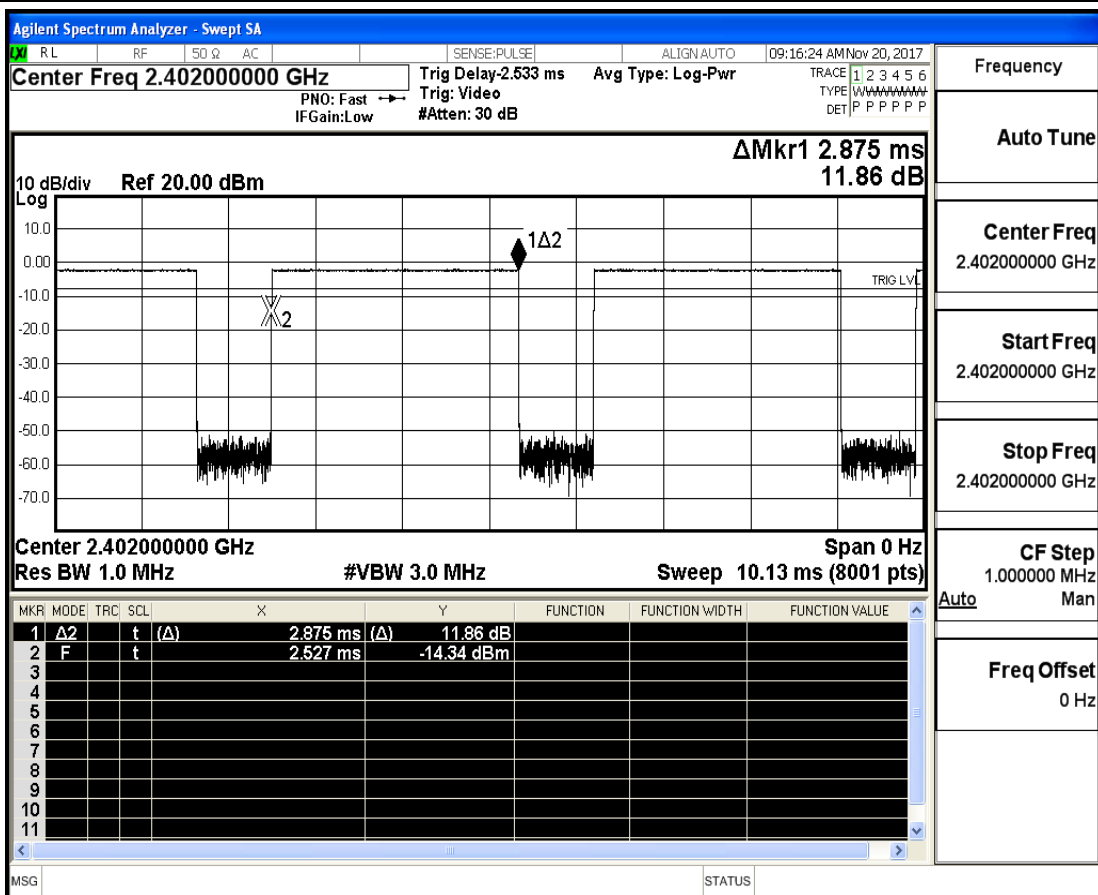
Carrier Frequency Separation_3DH5_2480



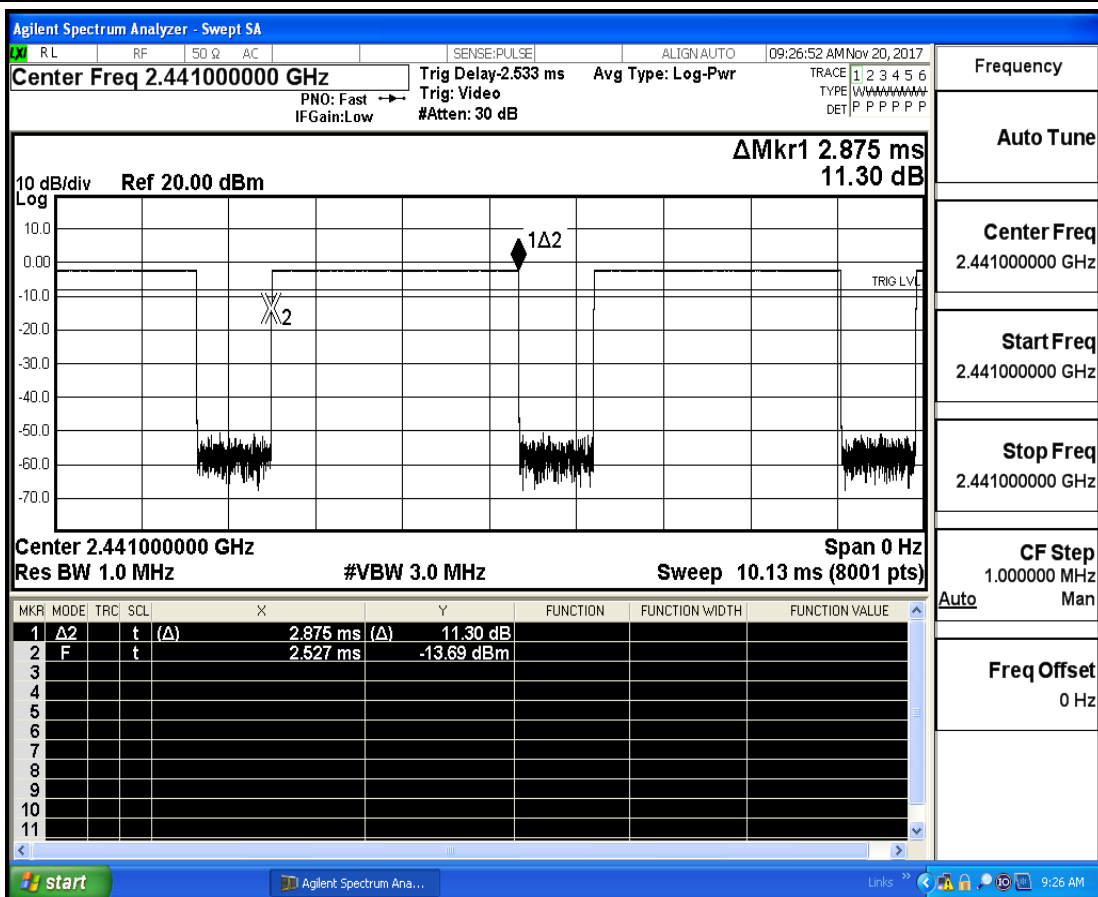
5.Dwell Time

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

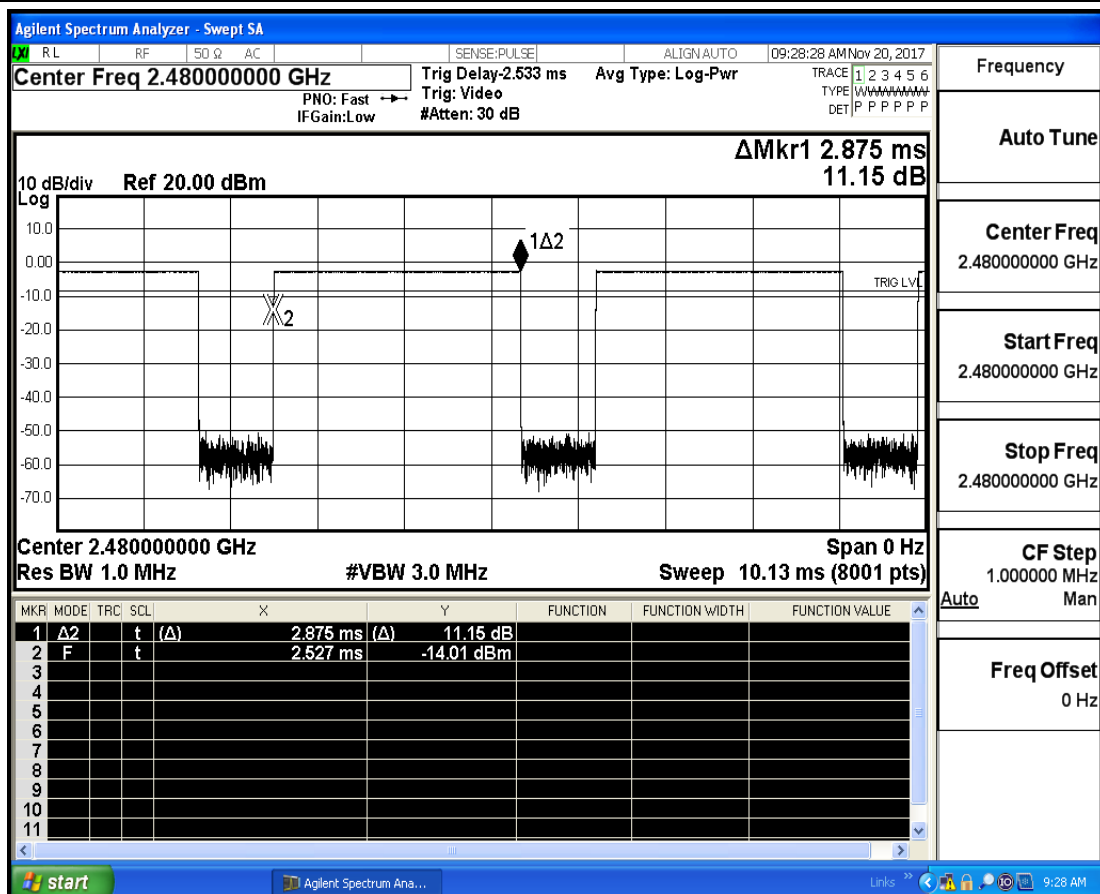
Dwell Time_DH5_2402



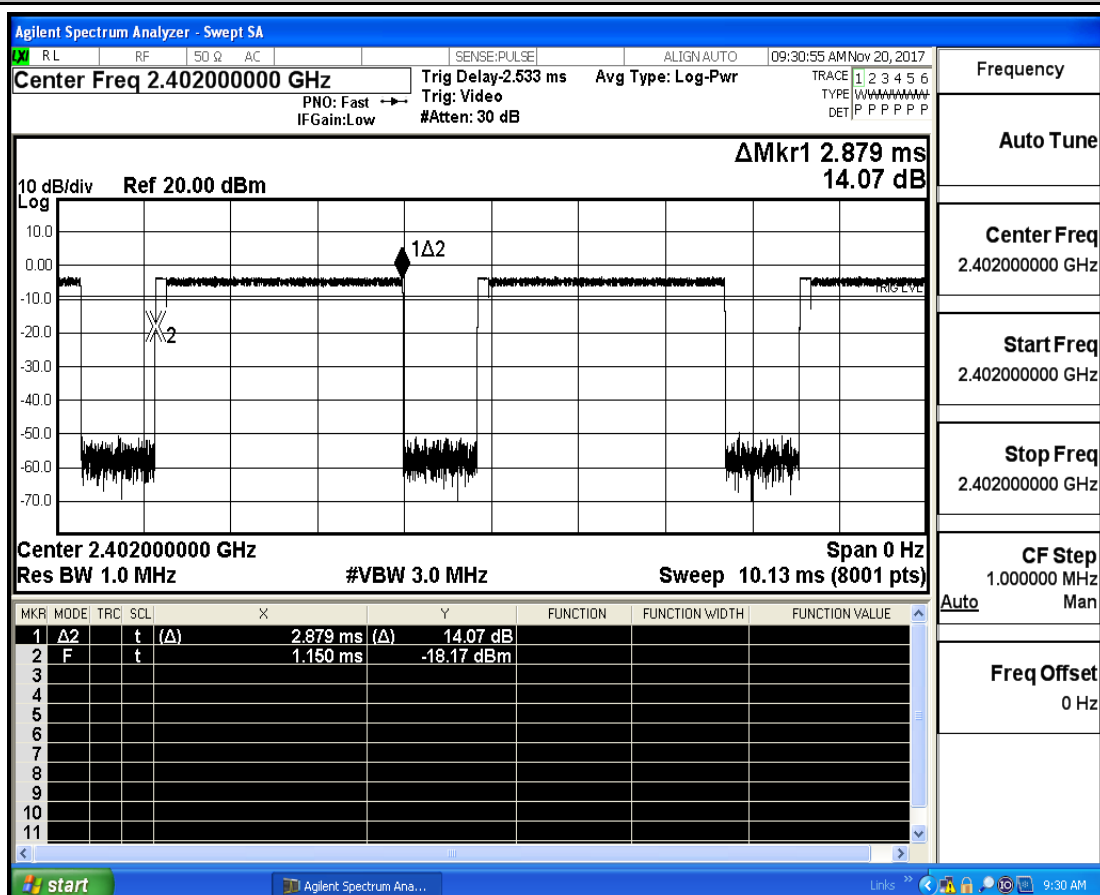
Dwell Time_DH5_2441



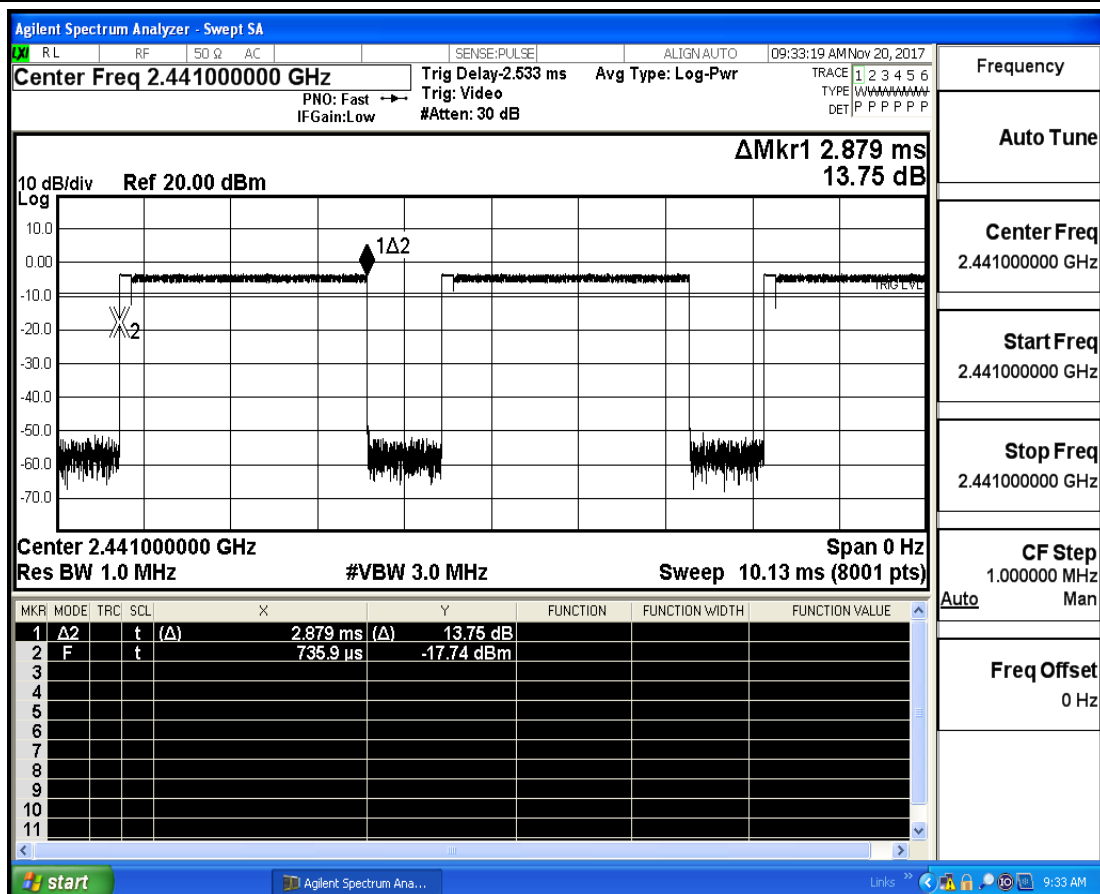
Dwell Time DH5 2480



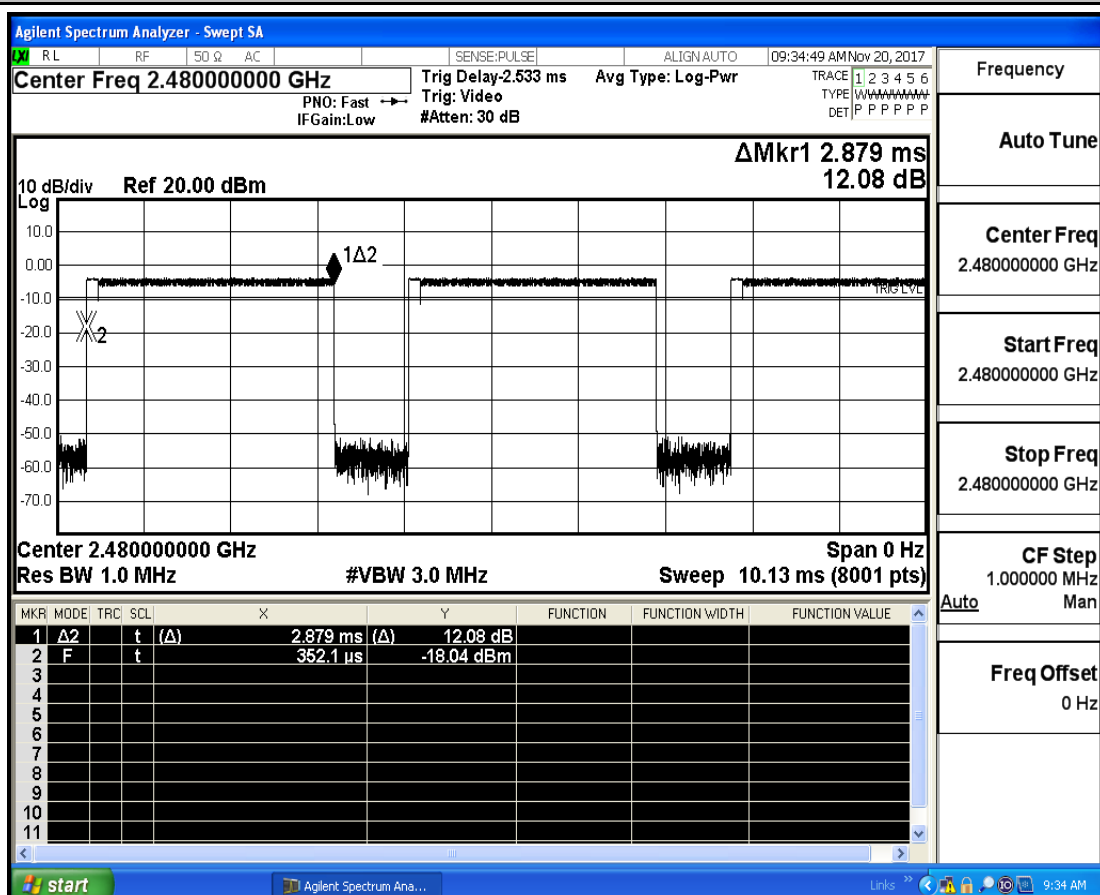
Dwell Time 2DH5 2402



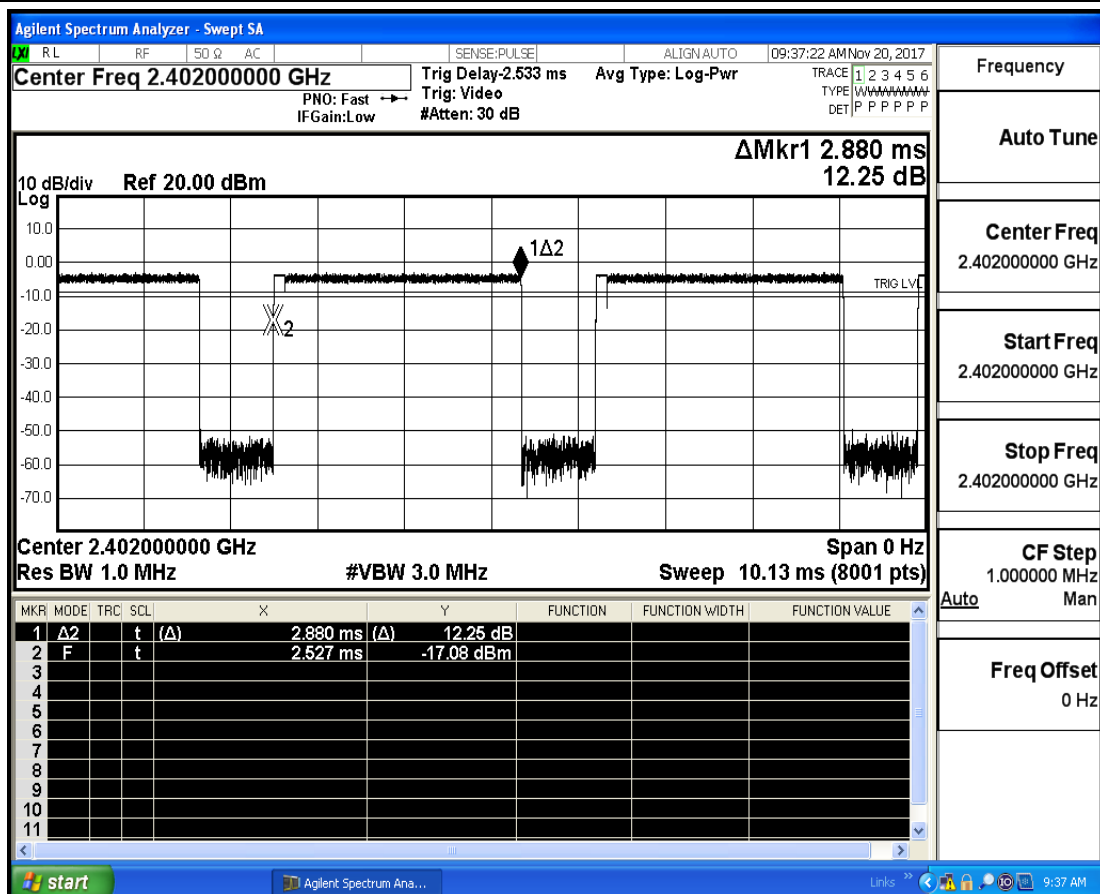
Dwell Time 2DH5 2441



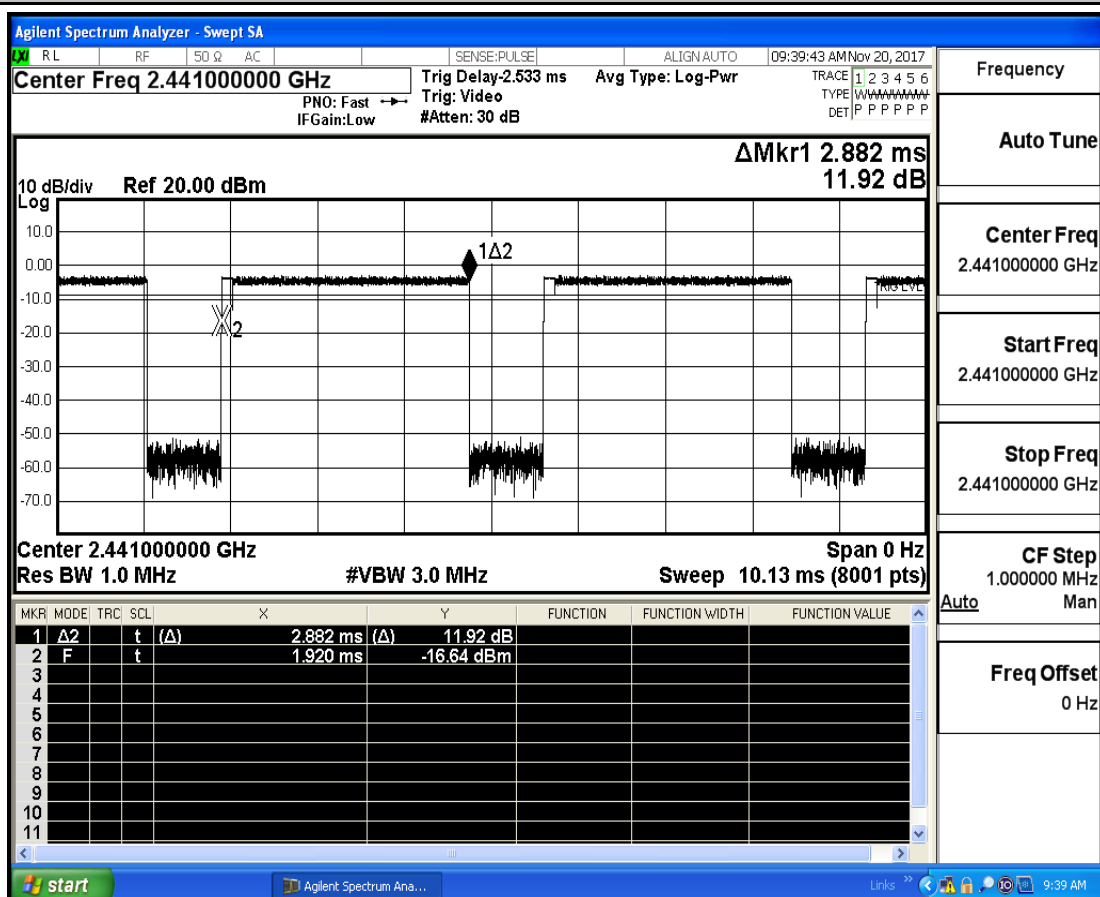
Dwell Time 2DH5 2480



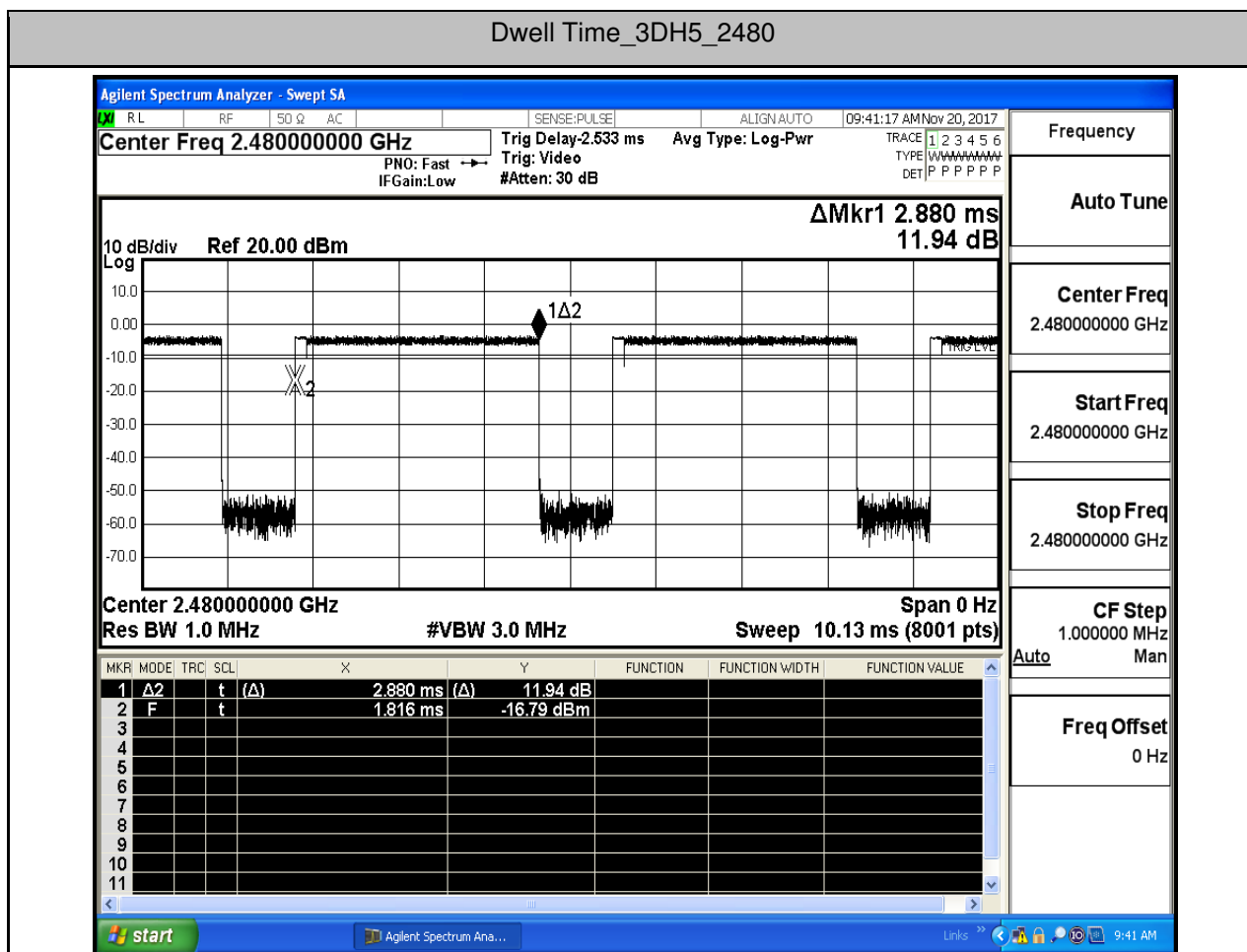
Dwell Time 3DH5 2402



Dwell Time 3DH5 2441



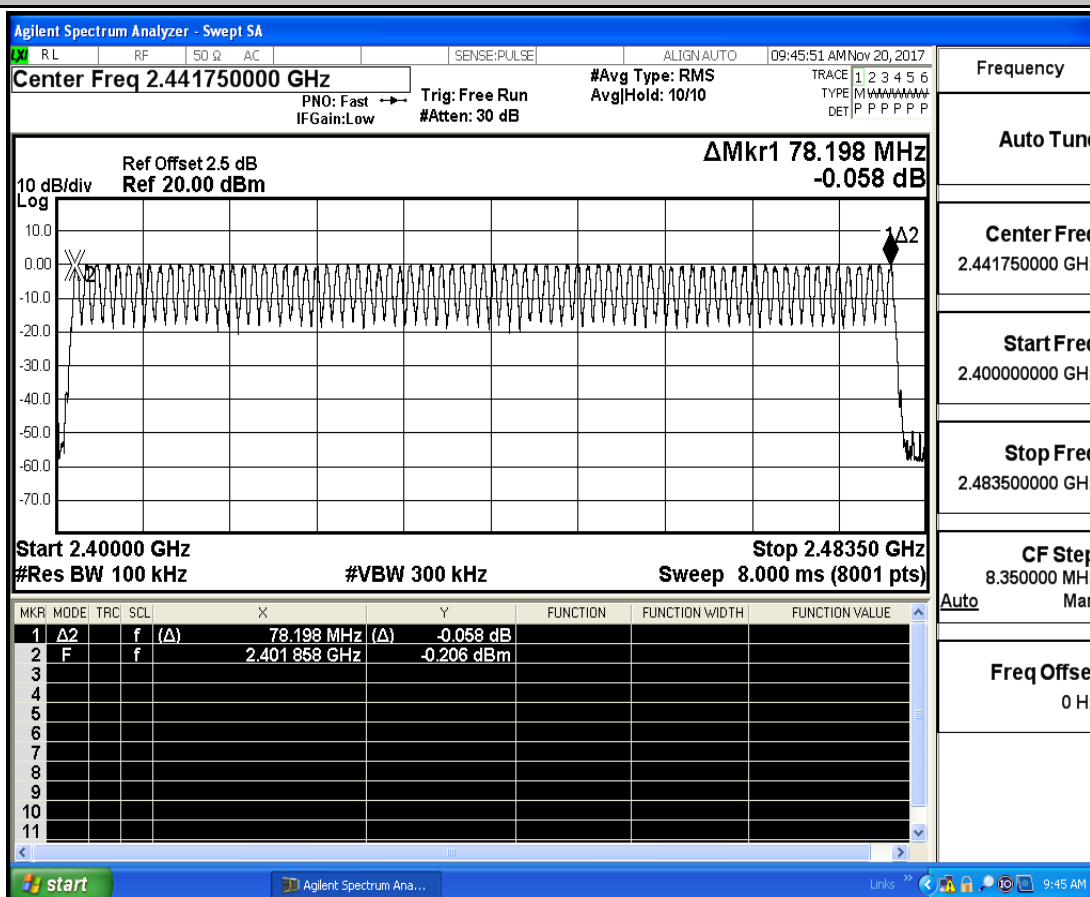
Dwell Time_3DH5_2480



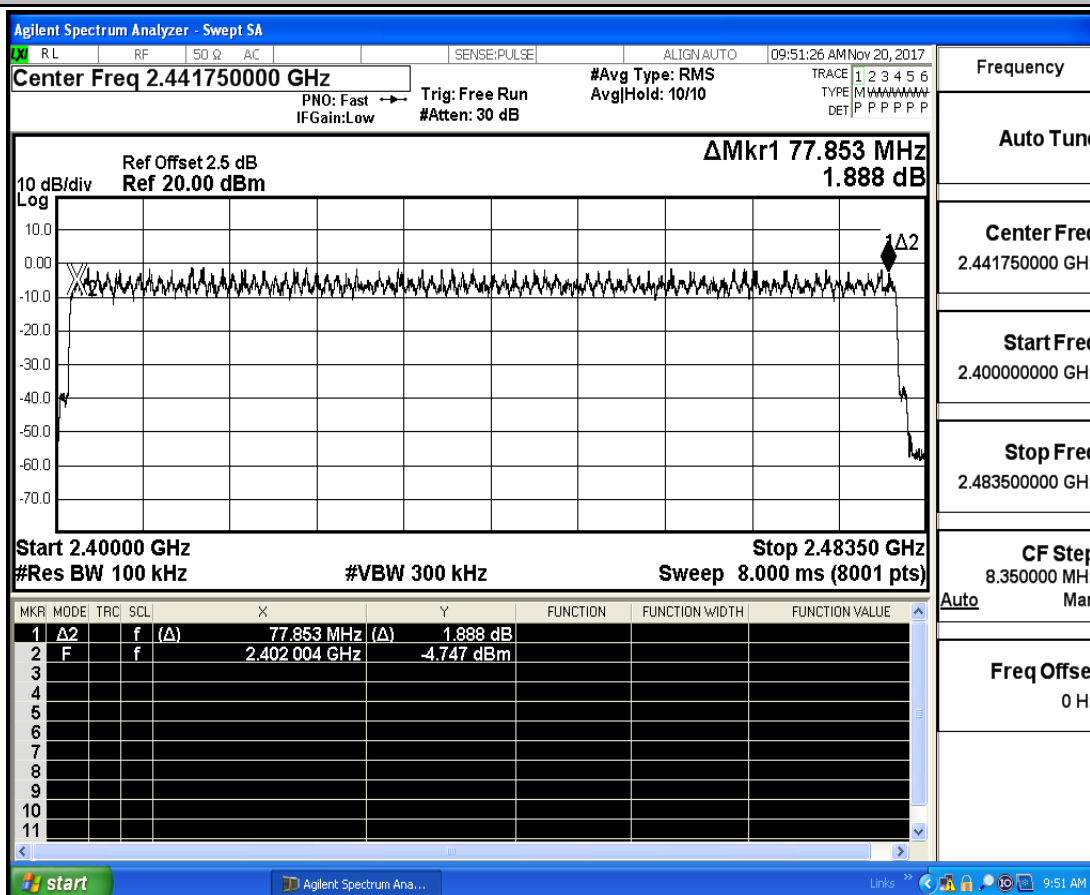
6.Hopping Channel Number

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

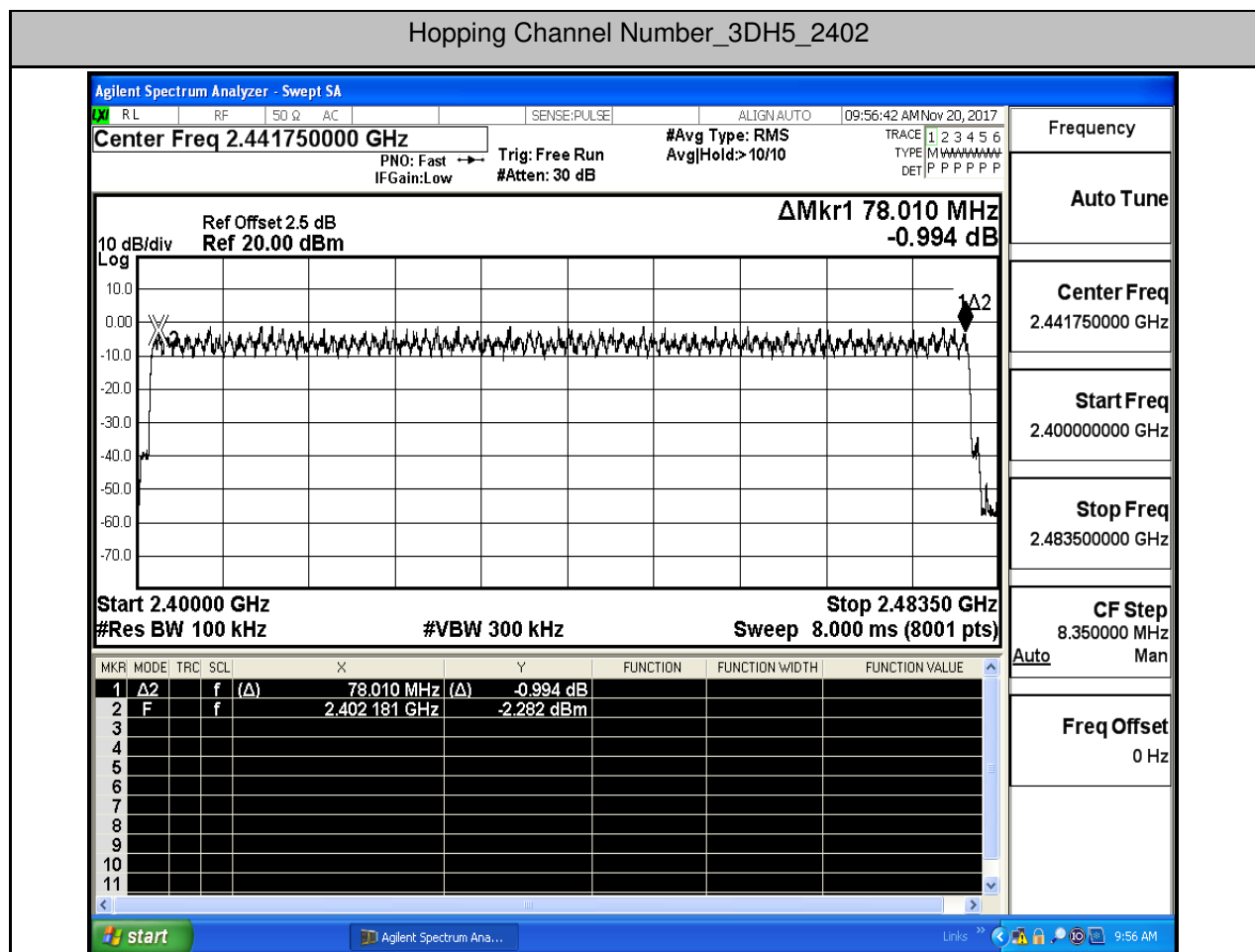
Hopping Channel Number_DH5_2402



Hopping Channel Number_2DH5_2402



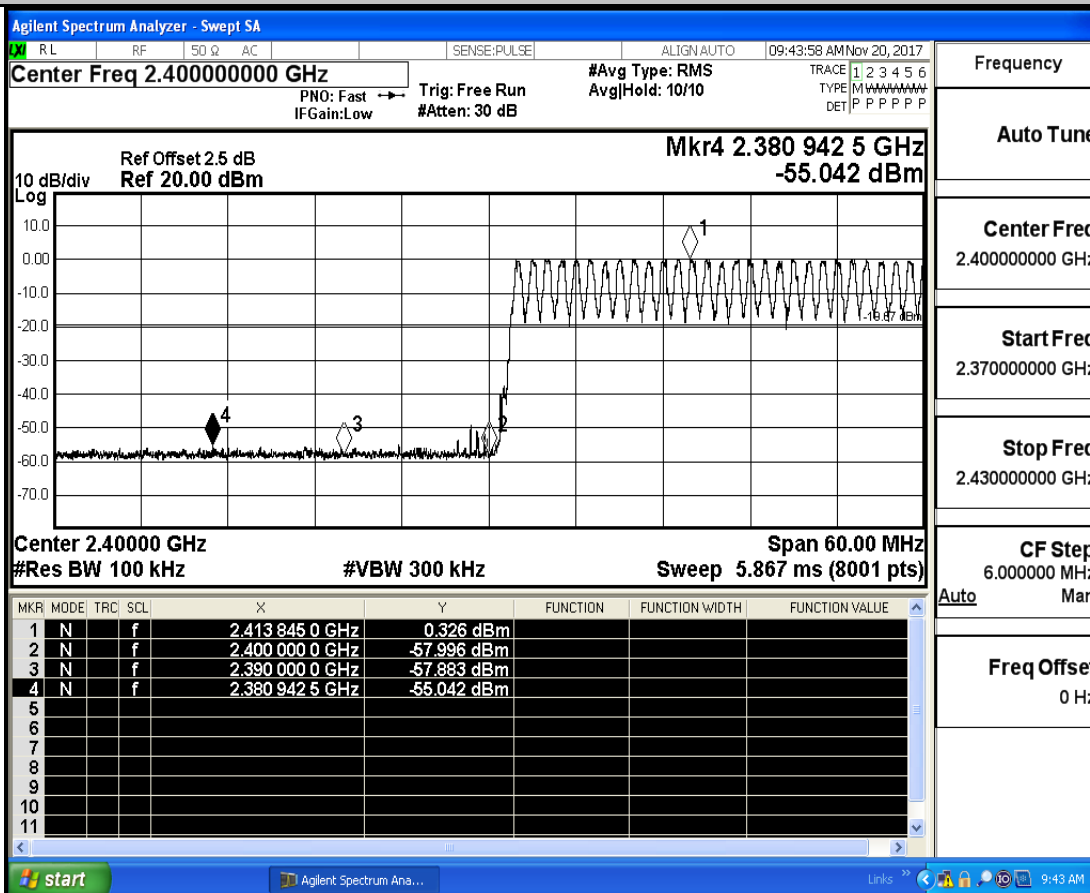
Hopping Channel Number_3DH5_2402



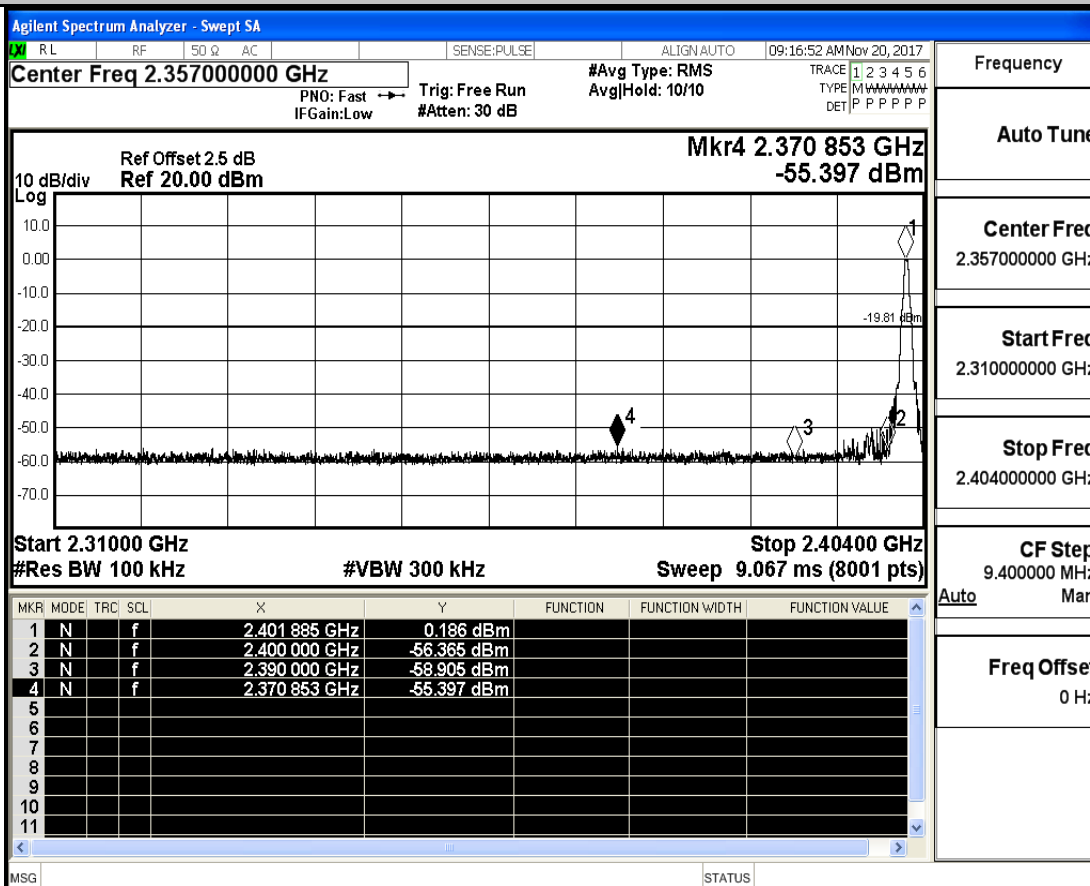
7.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH5	2402	On	0.326	-55.042	-19.67	PASS
DH5	2402	Off	0.186	-55.397	-19.81	PASS
DH5	2480	On	0.073	-54.603	-19.93	PASS
DH5	2480	Off	-0.233	-49.550	-20.23	PASS
2DH5	2402	On	-1.142	-54.691	-21.14	PASS
2DH5	2402	Off	-2.237	-55.533	-22.24	PASS
2DH5	2480	On	-1.153	-52.221	-21.15	PASS
2DH5	2480	Off	-1.915	-53.866	-21.92	PASS
3DH5	2402	On	-1.219	-54.939	-21.22	PASS
3DH5	2402	Off	-1.203	-55.941	-21.2	PASS
3DH5	2480	On	-1.260	-54.537	-21.26	PASS
3DH5	2480	Off	-1.688	-53.320	-21.69	PASS

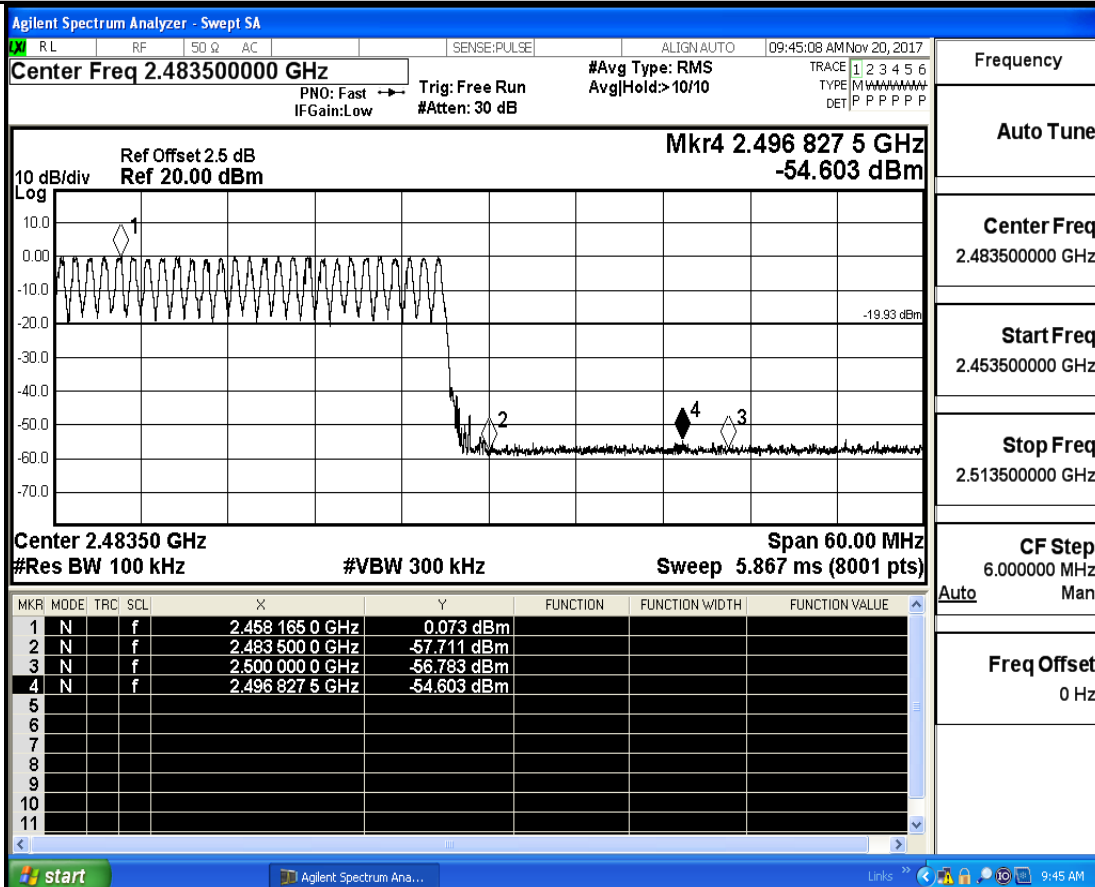
Band-edge for RF Conducted Emissions_DH5_2402_Hopping On



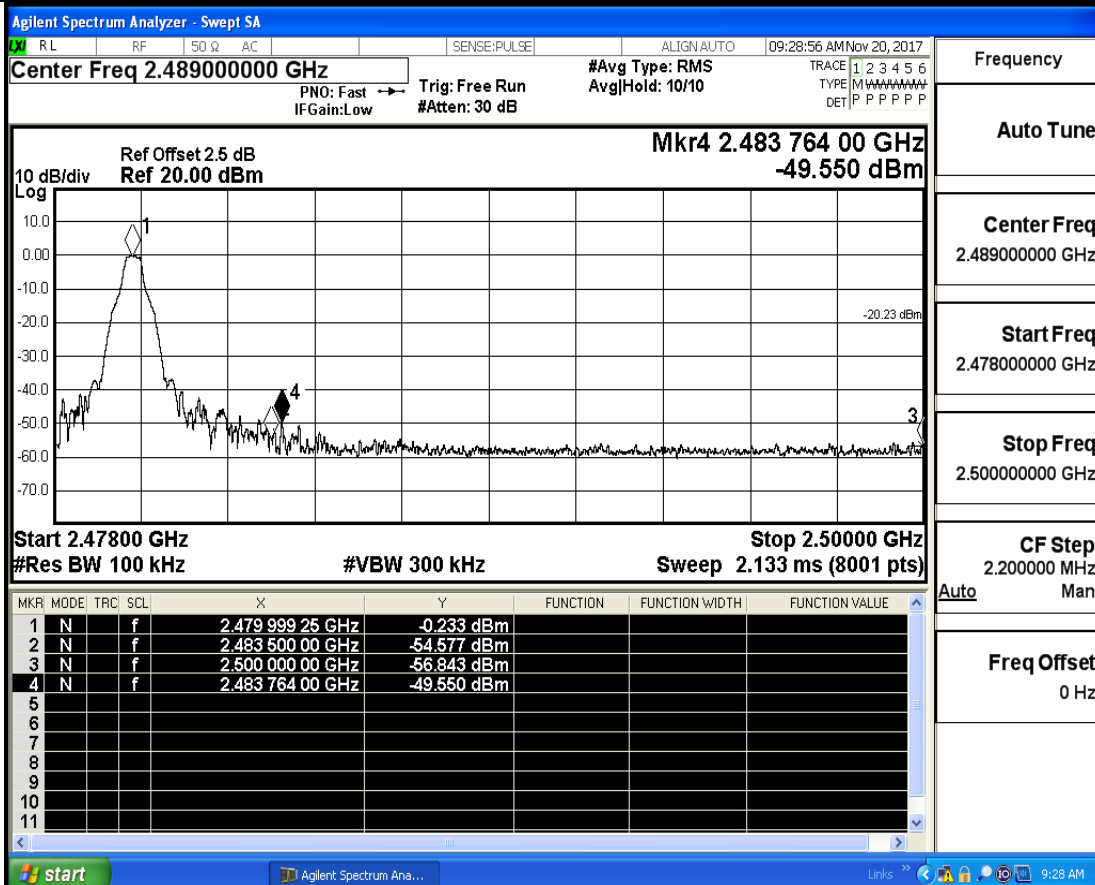
Band-edge for RF Conducted Emissions_DH5_2402_Hopping Off



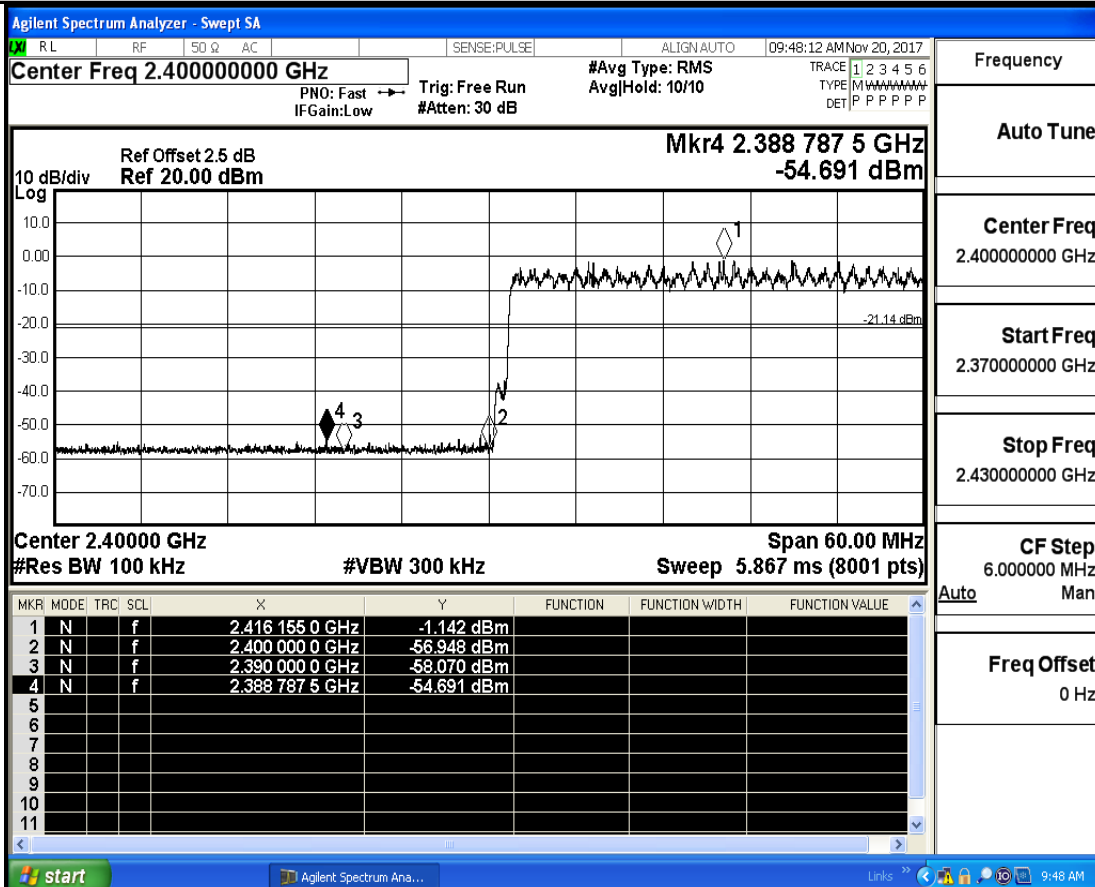
Band-edge for RF Conducted Emissions_DH5_2480_Hopping On



Band-edge for RF Conducted Emissions_DH5_2480_Hopping Off



Band-edge for RF Conducted Emissions_2DH5_2402_Hopping On

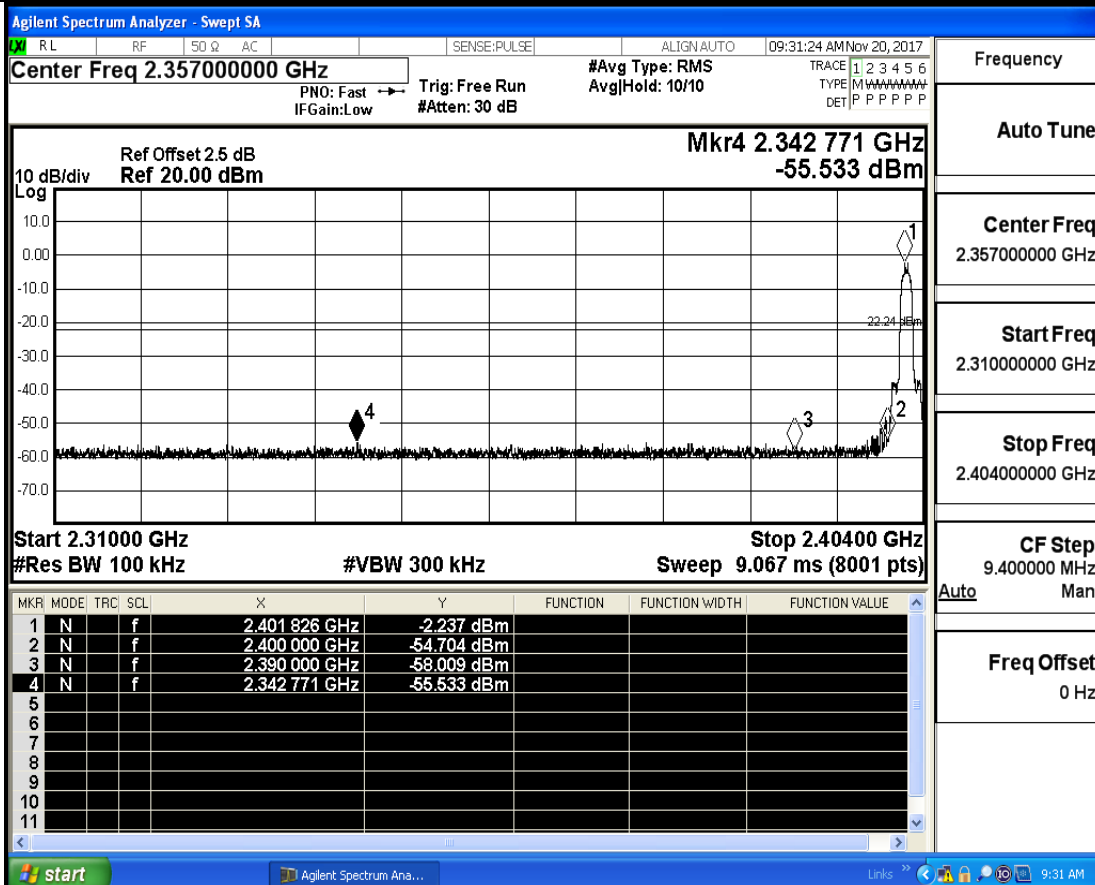


Frequency

Auto Tune

Center Freq
2.40000000 GHzStart Freq
2.37000000 GHzStop Freq
2.43000000 GHzCF Step
6.000000 MHz
Auto ManFreq Offset
0 Hz

Band-edge for RF Conducted Emissions_2DH5_2402_Hopping Off

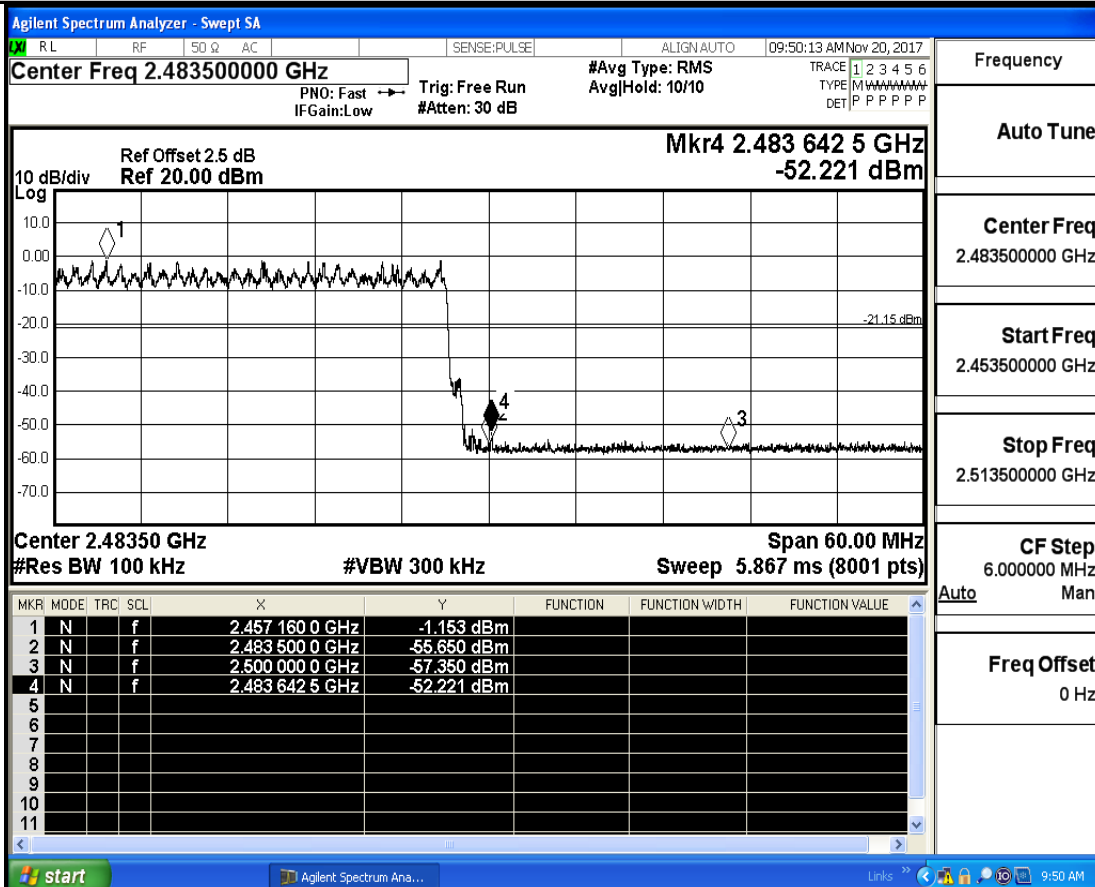


Frequency

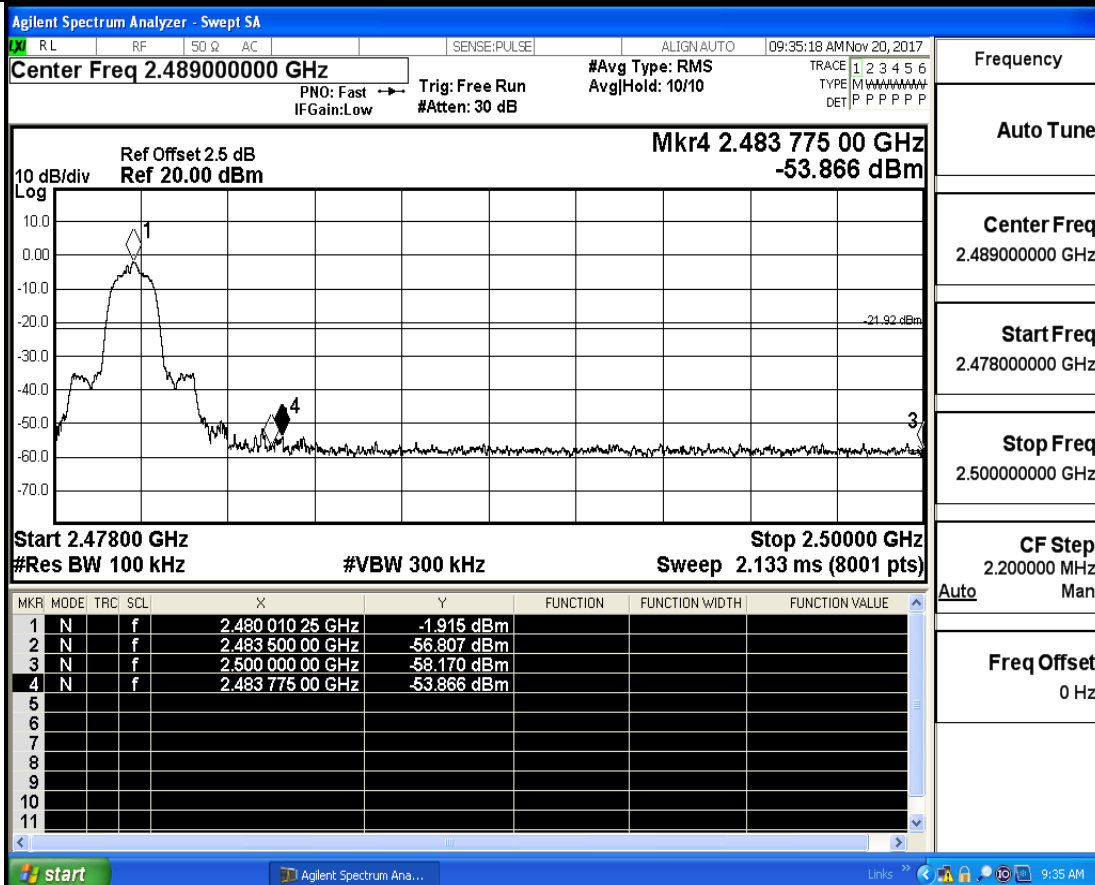
Auto Tune

Center Freq
2.35700000 GHzStart Freq
2.31000000 GHzStop Freq
2.40400000 GHzCF Step
9.400000 MHz
Auto ManFreq Offset
0 Hz

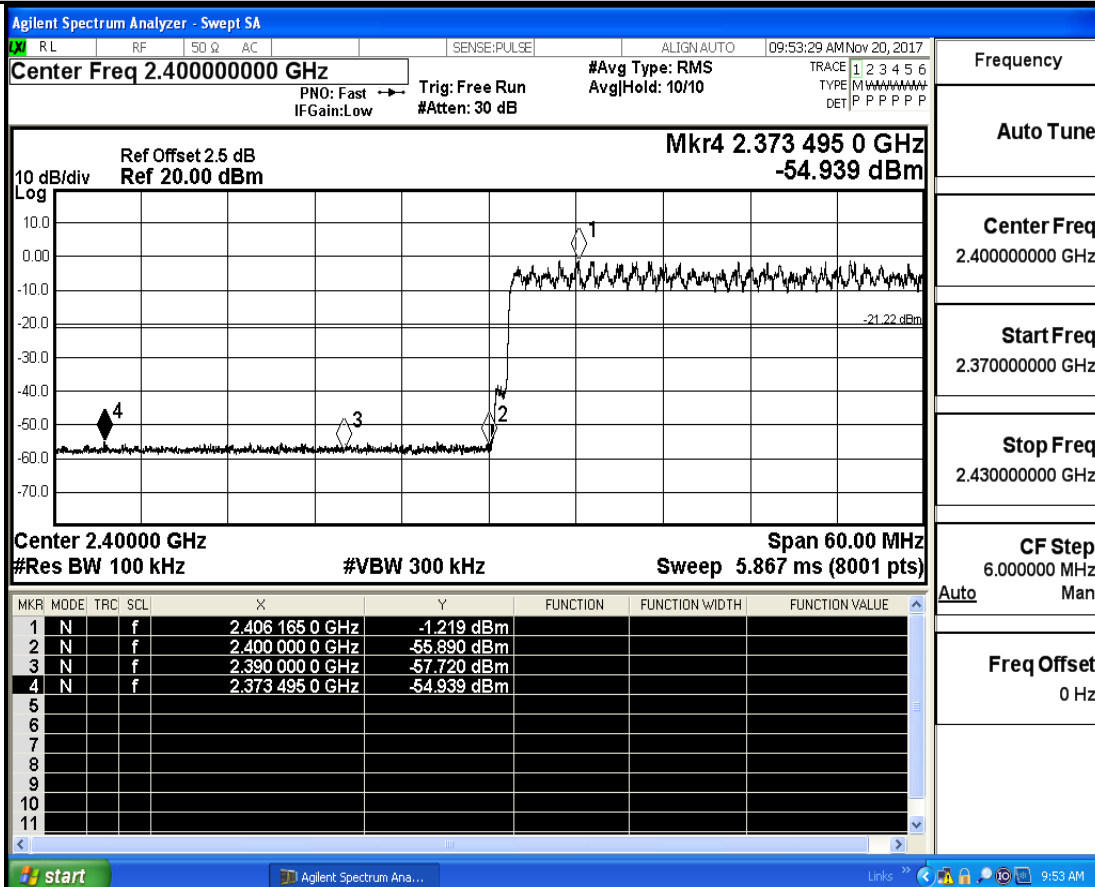
Band-edge for RF Conducted Emissions_2DH5_2480_Hopping On



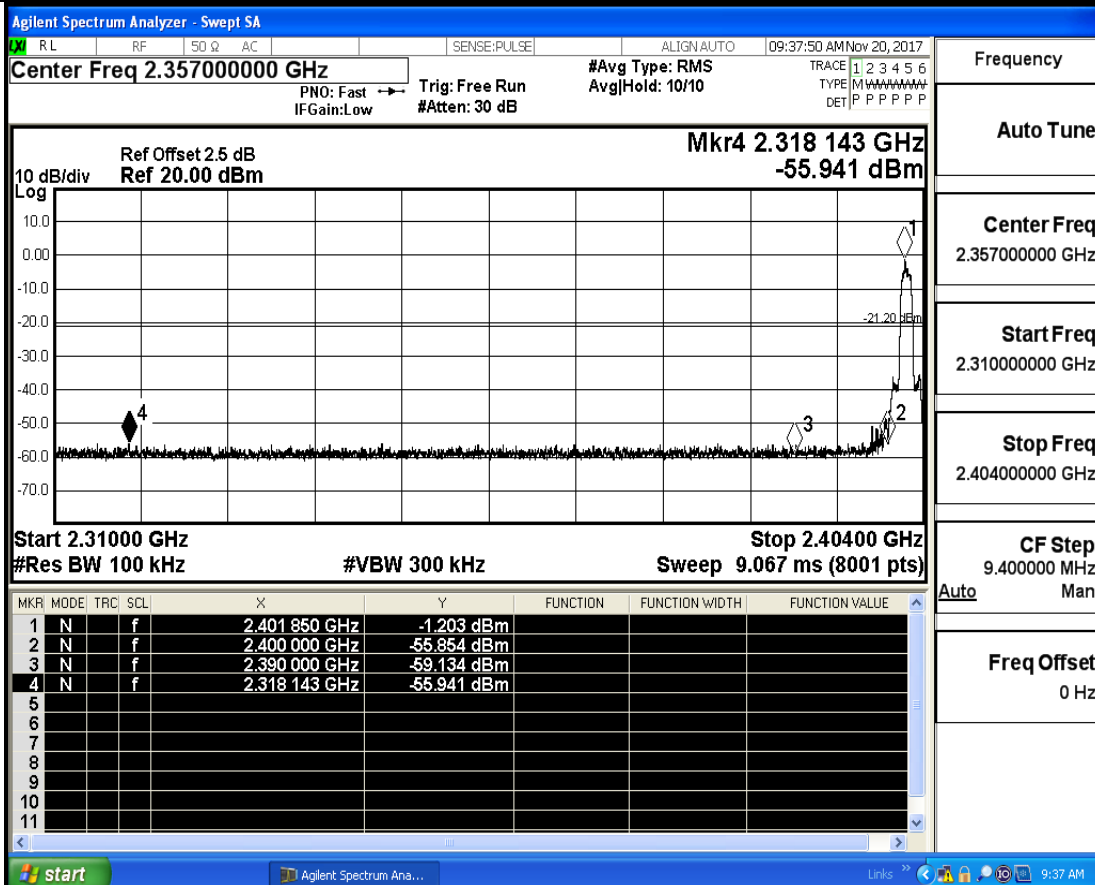
Band-edge for RF Conducted Emissions_2DH5_2480_Hopping Off



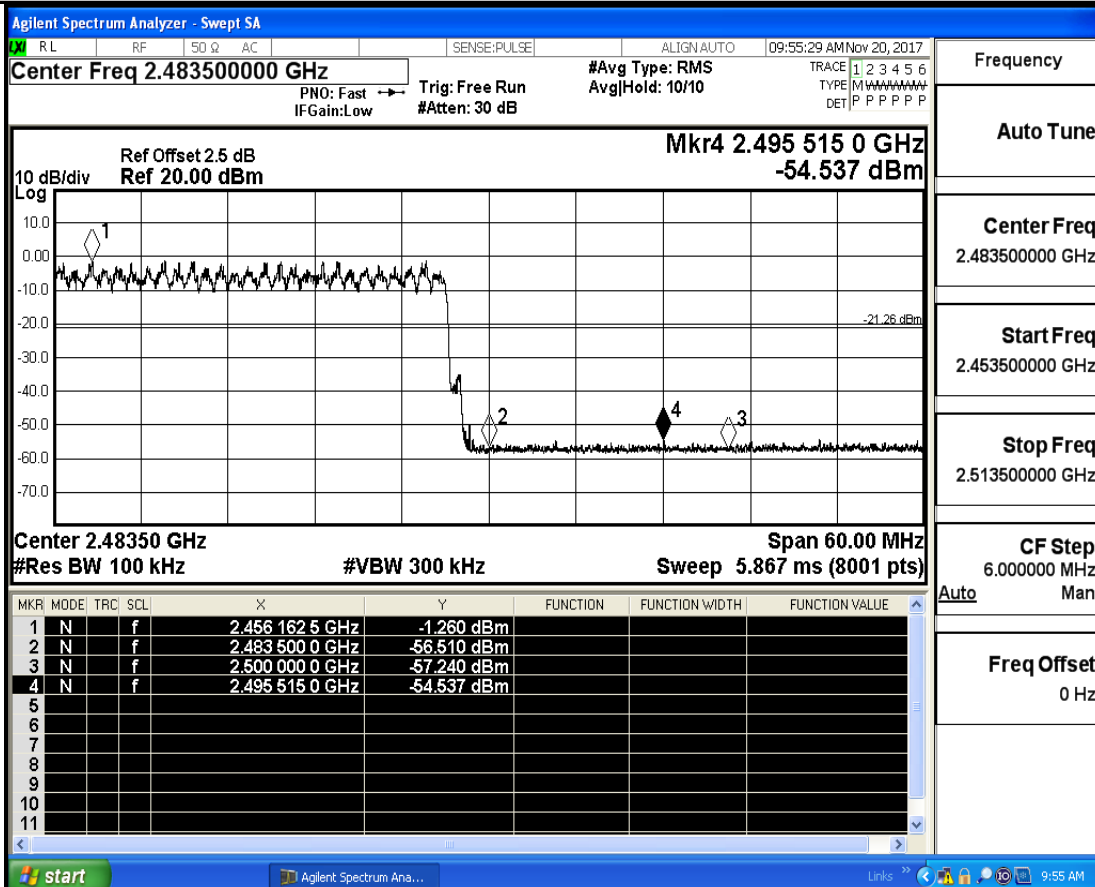
Band-edge for RF Conducted Emissions_3DH5_2402_Hopping On



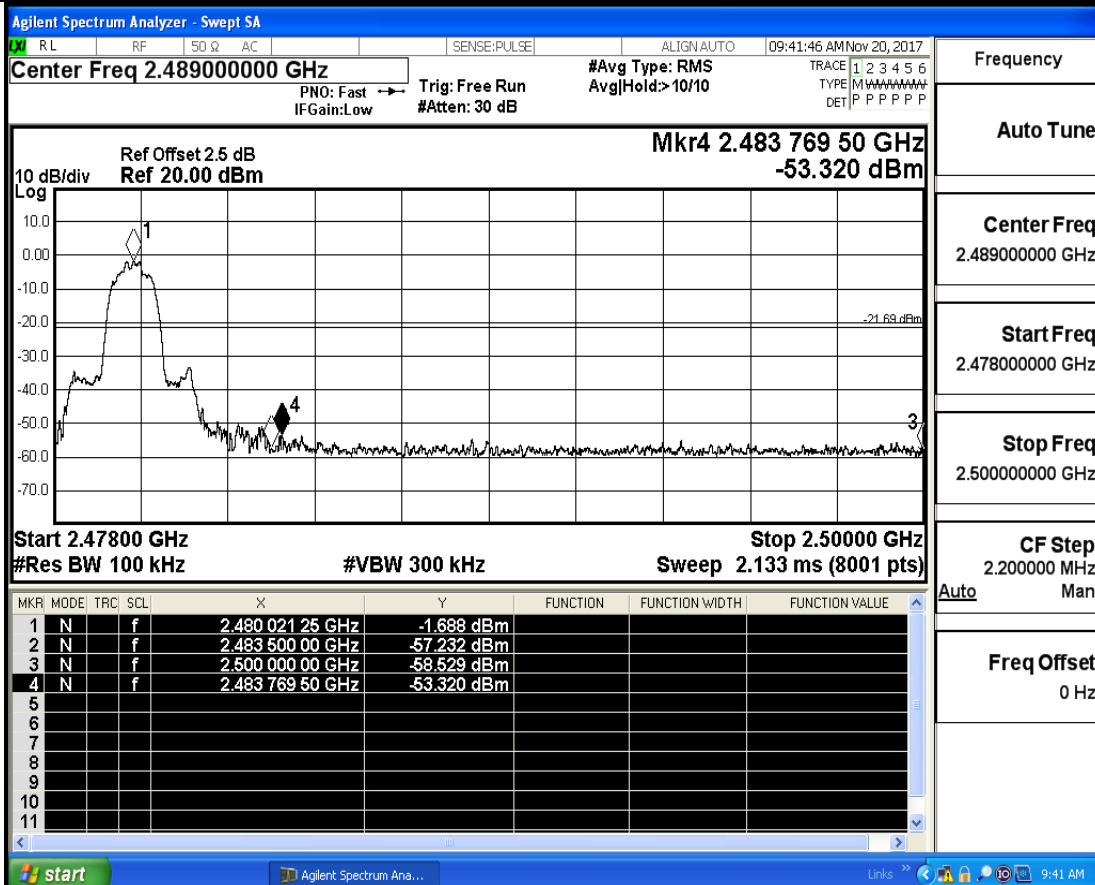
Band-edge for RF Conducted Emissions_3DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_3DH5_2480_Hopping On



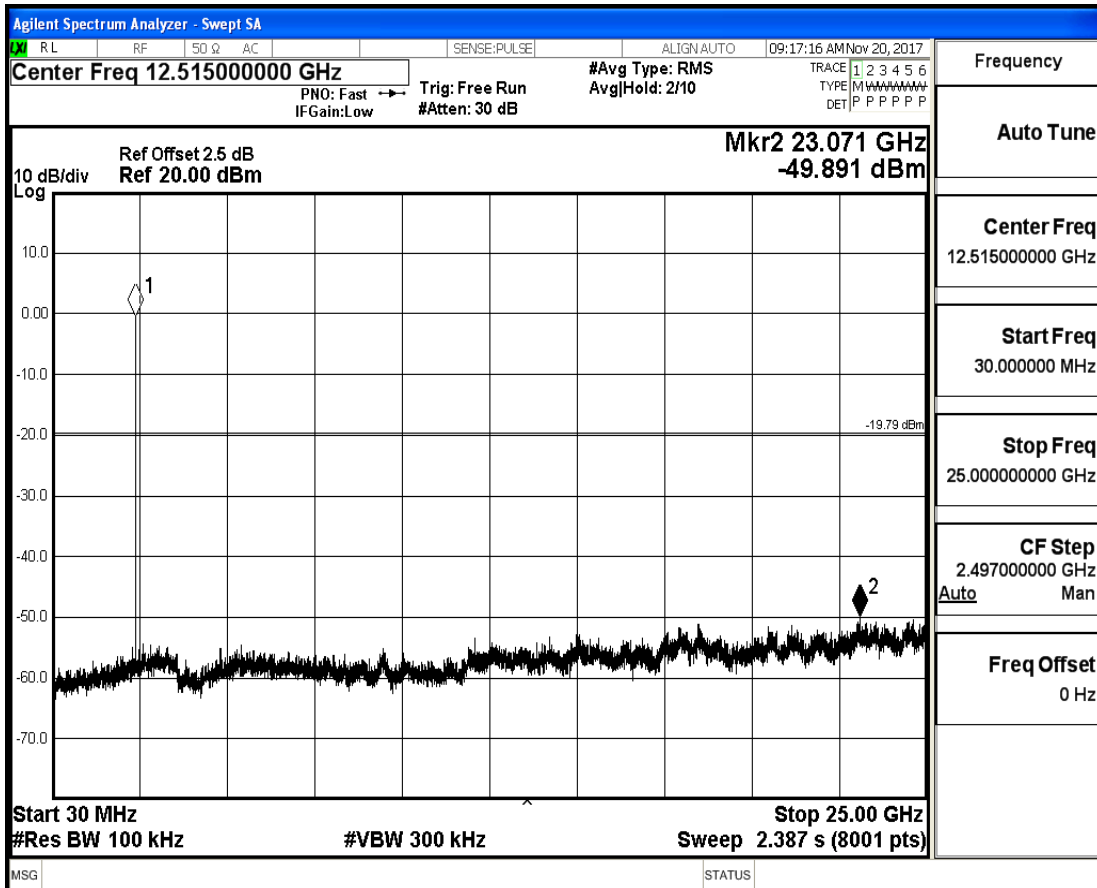
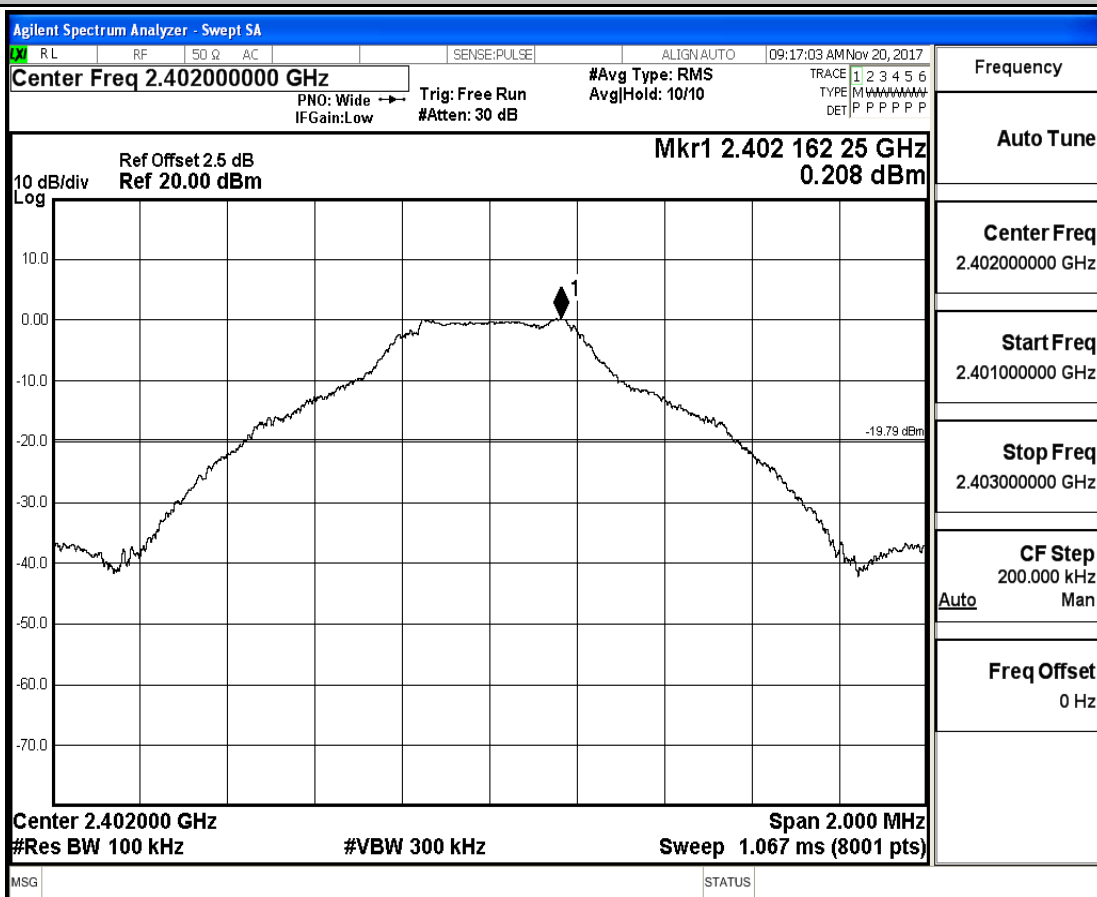
Band-edge for RF Conducted Emissions_3DH5_2480_Hopping Off



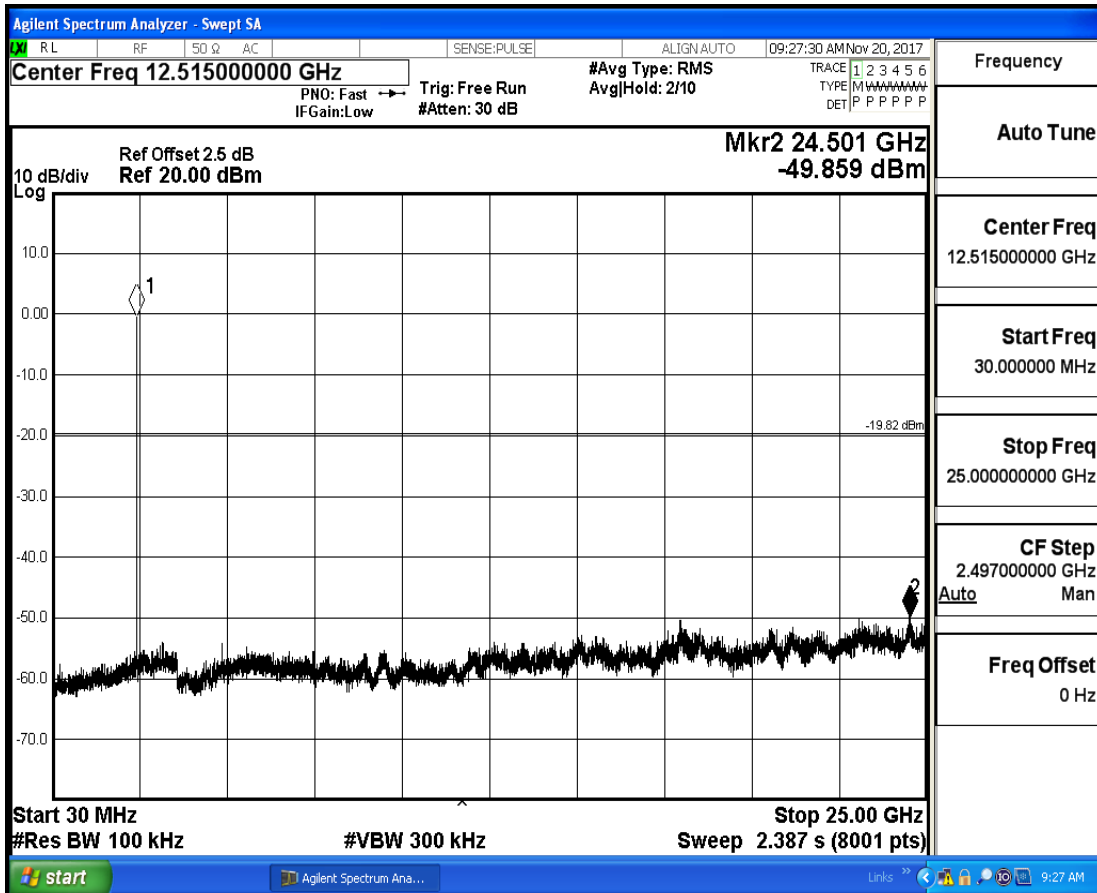
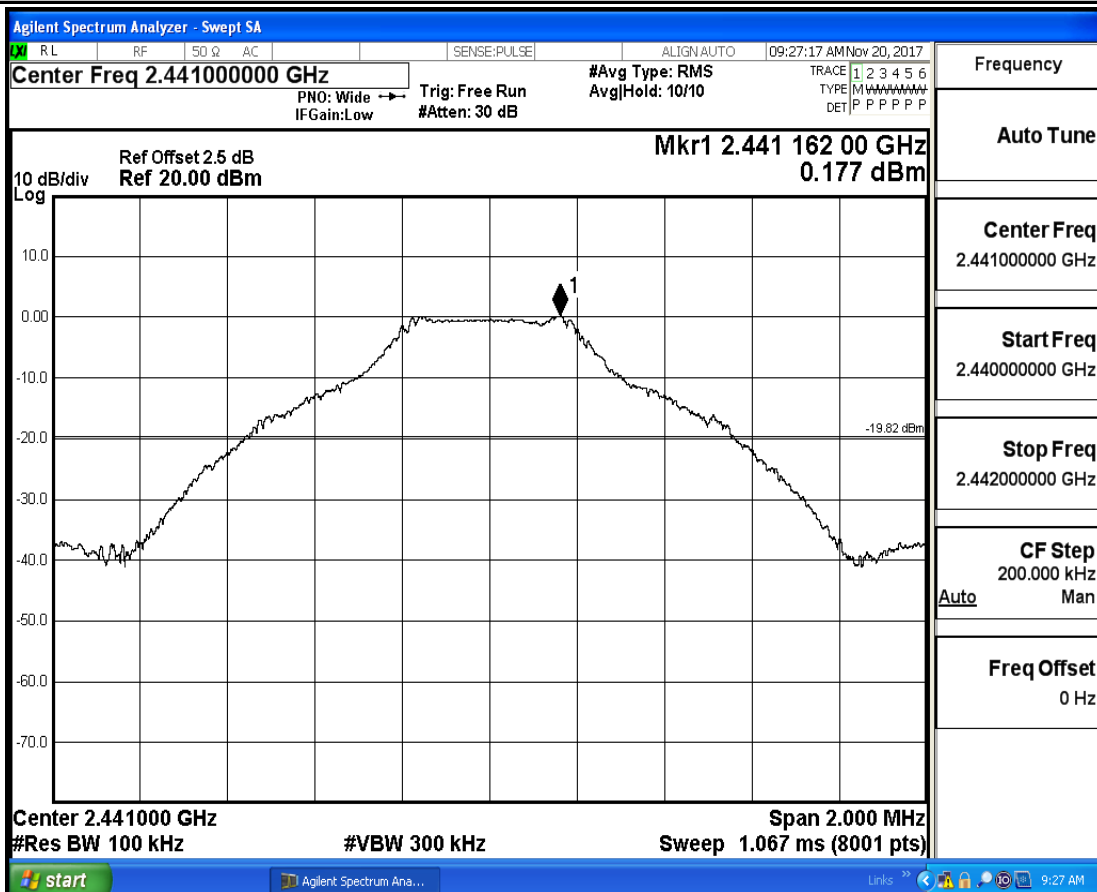
8.RF Conducted Spurious Emissions

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	0.208	-49.891	<-19.792	PASS
DH5	2441	30	25000	100	300	0.177	-49.859	<-19.823	PASS
DH5	2480	30	25000	100	300	-0.208	-49.941	<-20.208	PASS
2DH5	2402	30	25000	100	300	-1.305	-50.196	<-21.305	PASS
2DH5	2441	30	25000	100	300	-1.331	-50.432	<-21.331	PASS
2DH5	2480	30	25000	100	300	-1.495	-49.904	<-21.495	PASS
3DH5	2402	30	25000	100	300	-1.787	-49.954	<-21.787	PASS
3DH5	2441	30	25000	100	300	-1.344	-50.351	<-21.344	PASS
3DH5	2480	30	25000	100	300	-1.46	-50.366	<-21.46	PASS

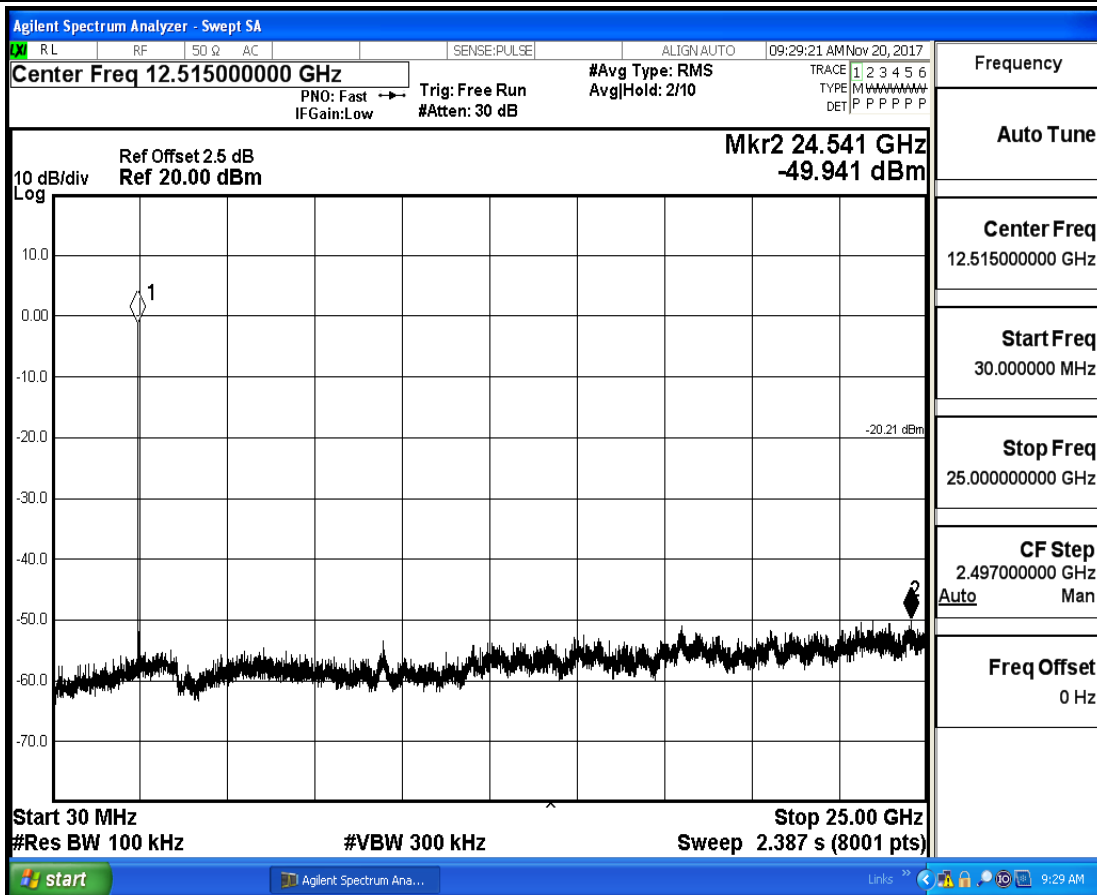
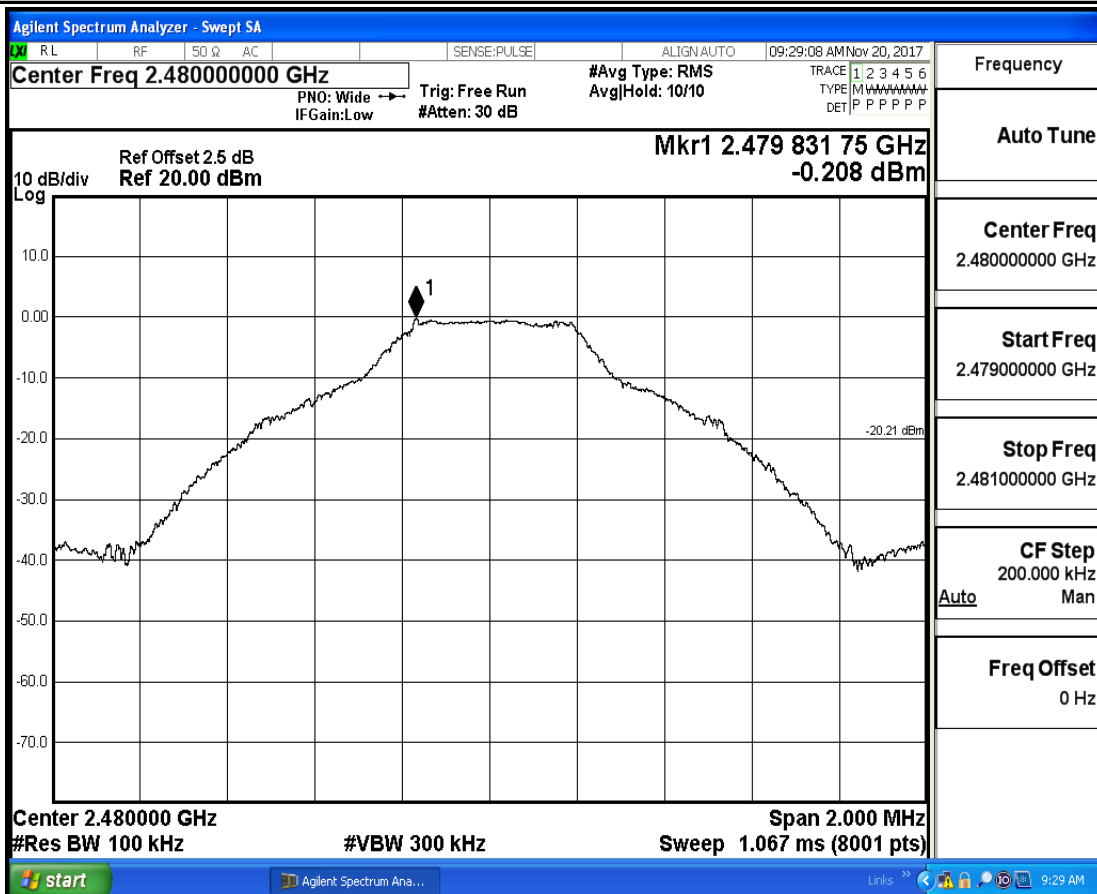
RF Conducted Spurious Emissions_DH5_2402



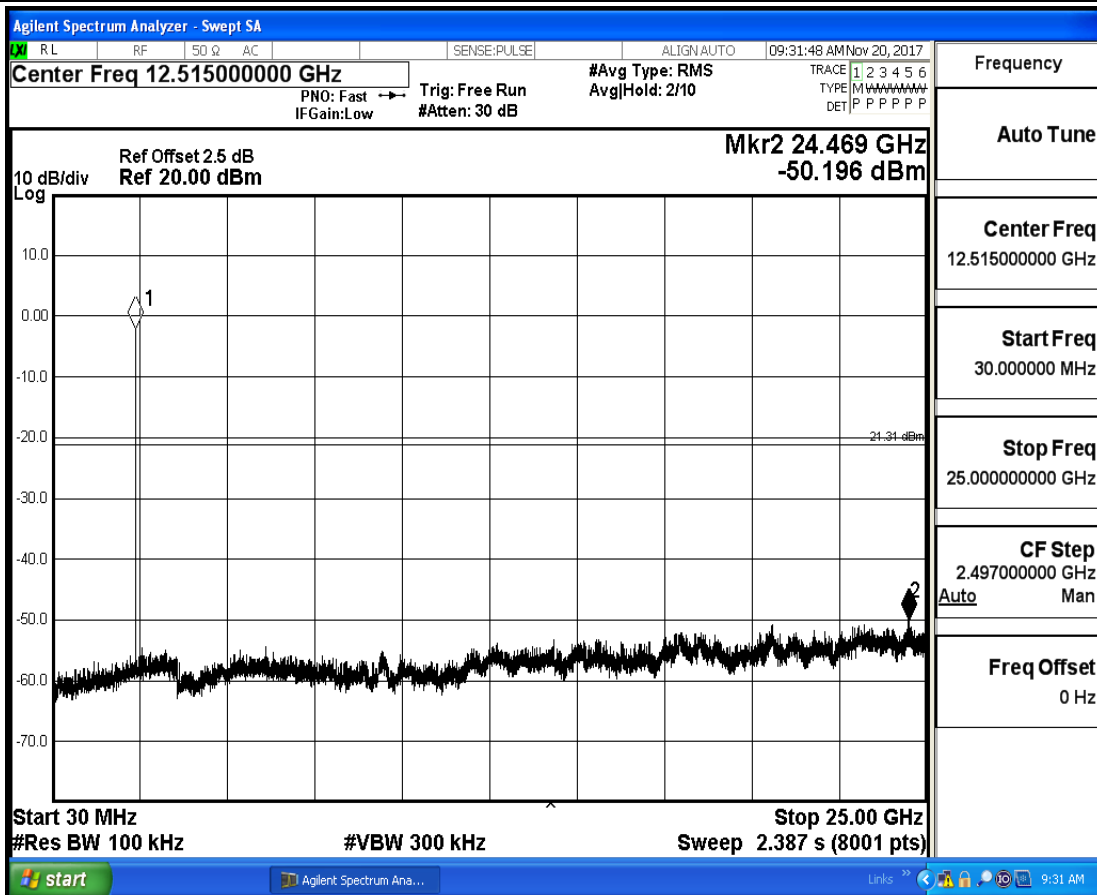
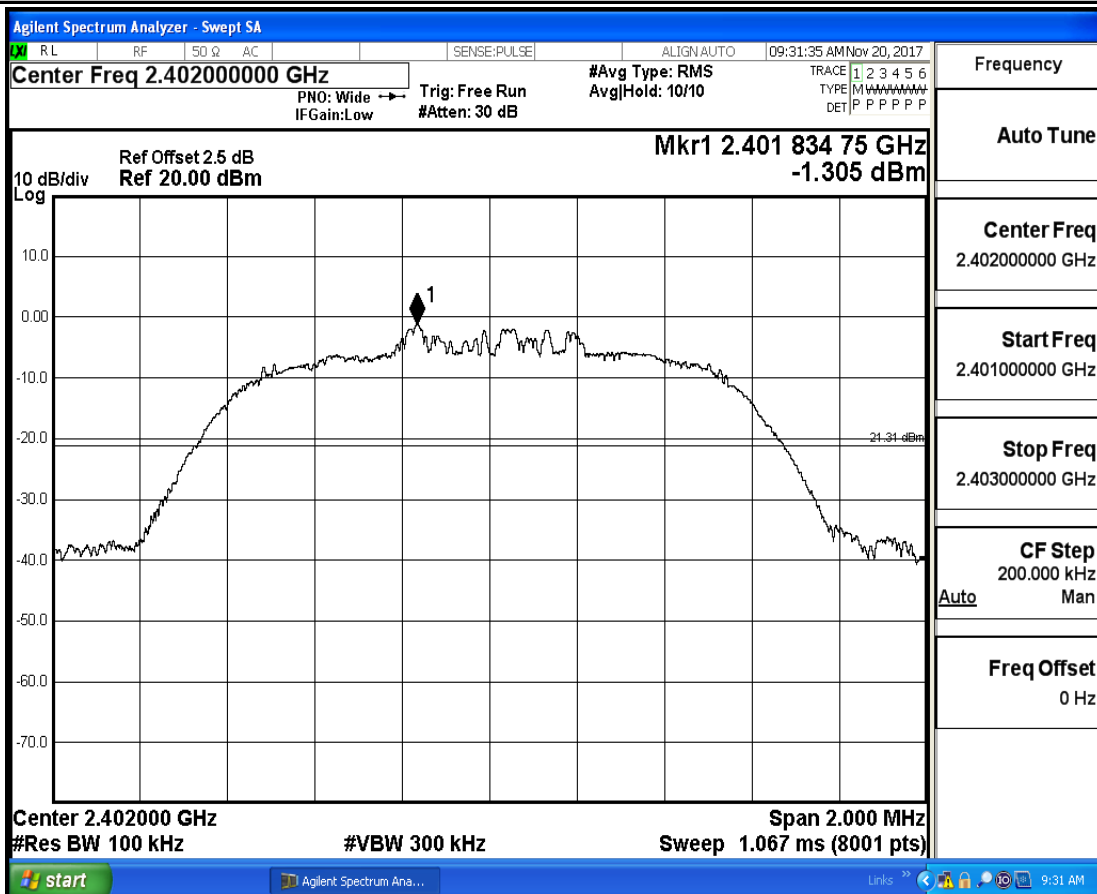
RF Conducted Spurious Emissions_DH5_2441



RF Conducted Spurious Emissions_DH5_2480



RF Conducted Spurious Emissions_2DH5_2402



RF Conducted Spurious Emissions_2DH5_2441

Agilent Spectrum Analyzer - Swept SA

Center Freq 2.441000000 GHz

Trig: Free Run #Atten: 30 dB

#Avg Type: RMS AvgHold: 10/10

Ref Offset 2.5 dB Ref 20.00 dBm

Mkr1 2.441 148 75 GHz -1.331 dBm

10 dB/div Log

Center 2.441000 GHz #Res BW 100 kHz #VBW 300 kHz Span 2.000 MHz Sweep 1.067 ms (8001 pts)

start Agilent Spectrum Ana... 9:33 AM

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

Agilent Spectrum Analyzer - Swept SA

Center Freq 12.515000000 GHz

Trig: Free Run #Atten: 30 dB

#Avg Type: RMS AvgHold: 2/10

Ref Offset 2.5 dB Ref 20.00 dBm

Mkr2 20.574 GHz -50.432 dBm

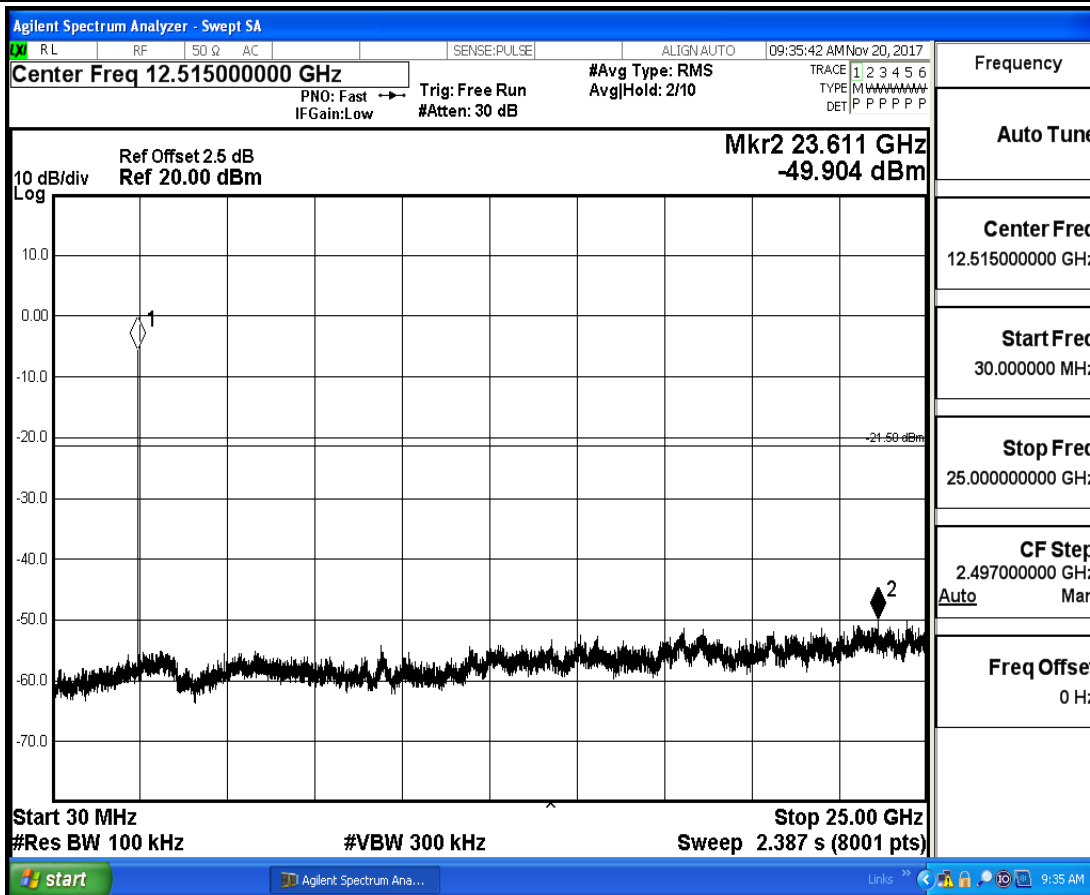
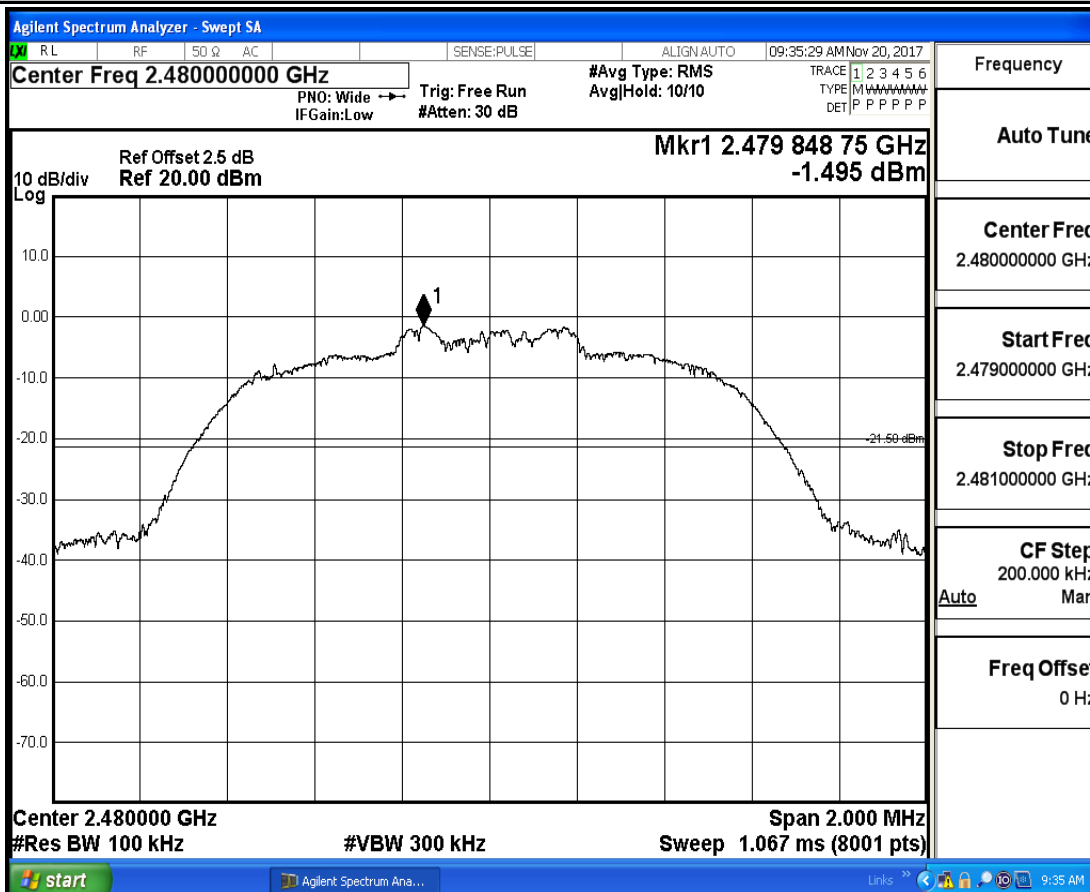
10 dB/div Log

Start 30 MHz #Res BW 100 kHz #VBW 300 kHz Stop 25.00 GHz Sweep 2.387 s (8001 pts)

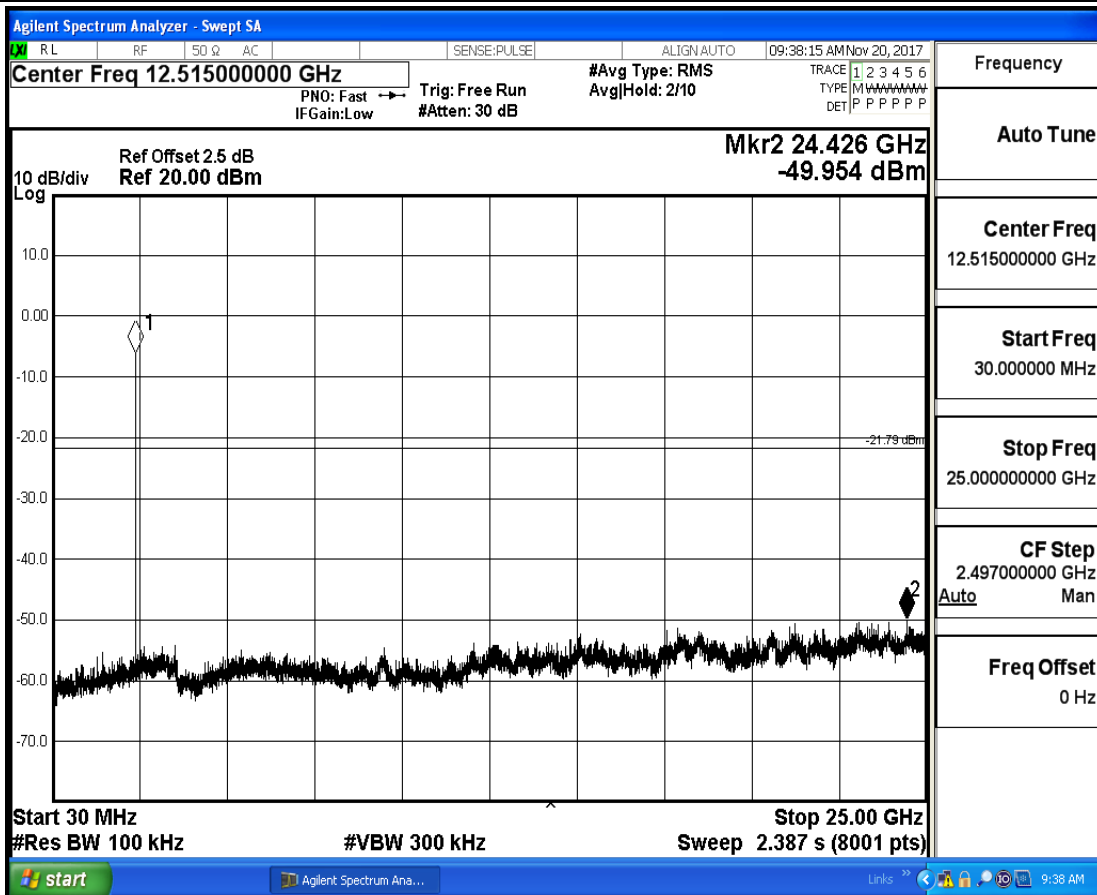
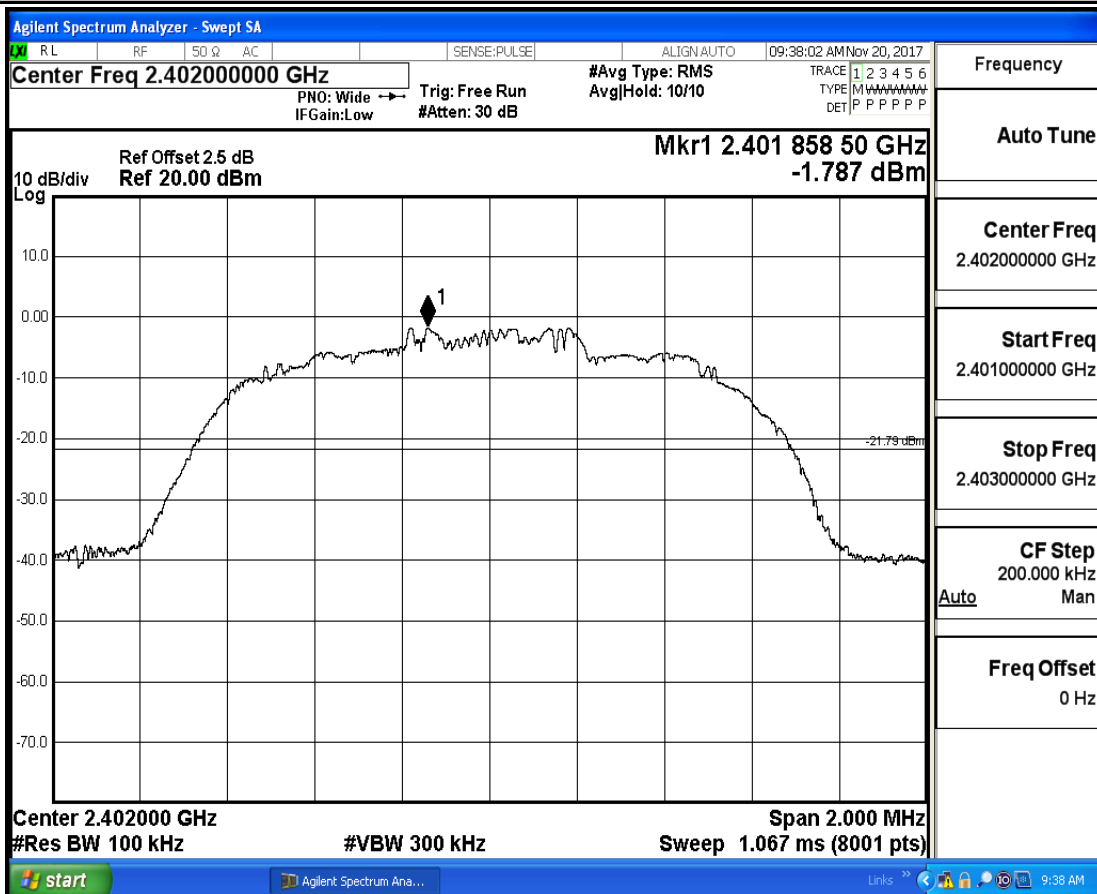
start Agilent Spectrum Ana... 9:33 AM

Frequency	
Auto Tune	
Center Freq	12.515000000 GHz
Start Freq	30.000000000 MHz
Stop Freq	25.000000000 GHz
CF Step	2.497000000 GHz
Auto	Man
Freq Offset	0 Hz

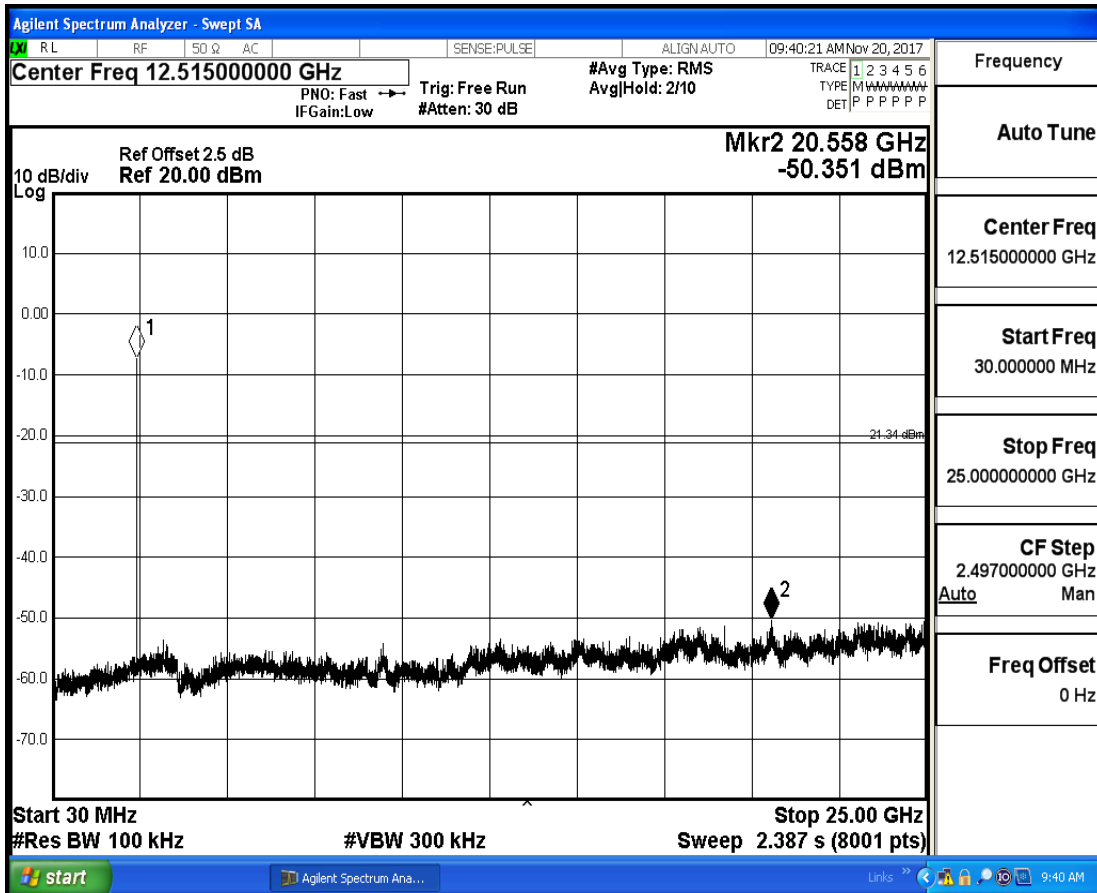
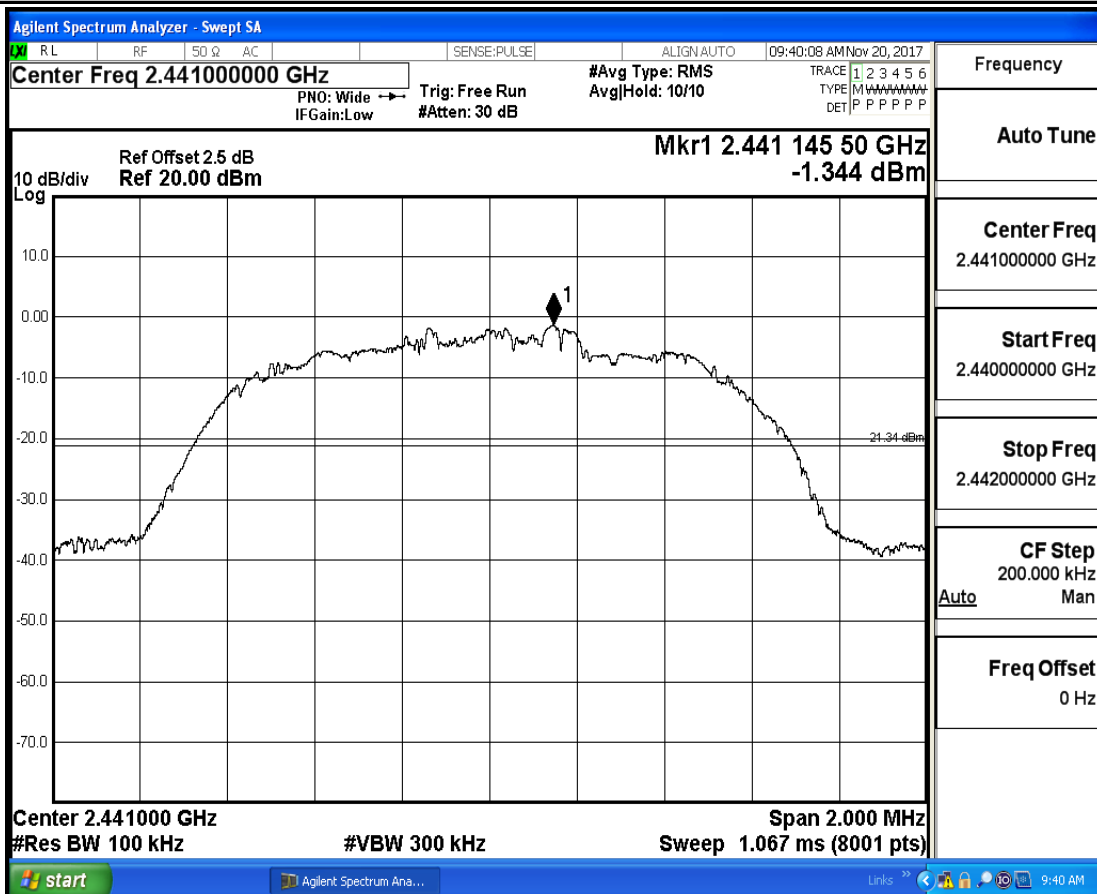
RF Conducted Spurious Emissions_2DH5_2480



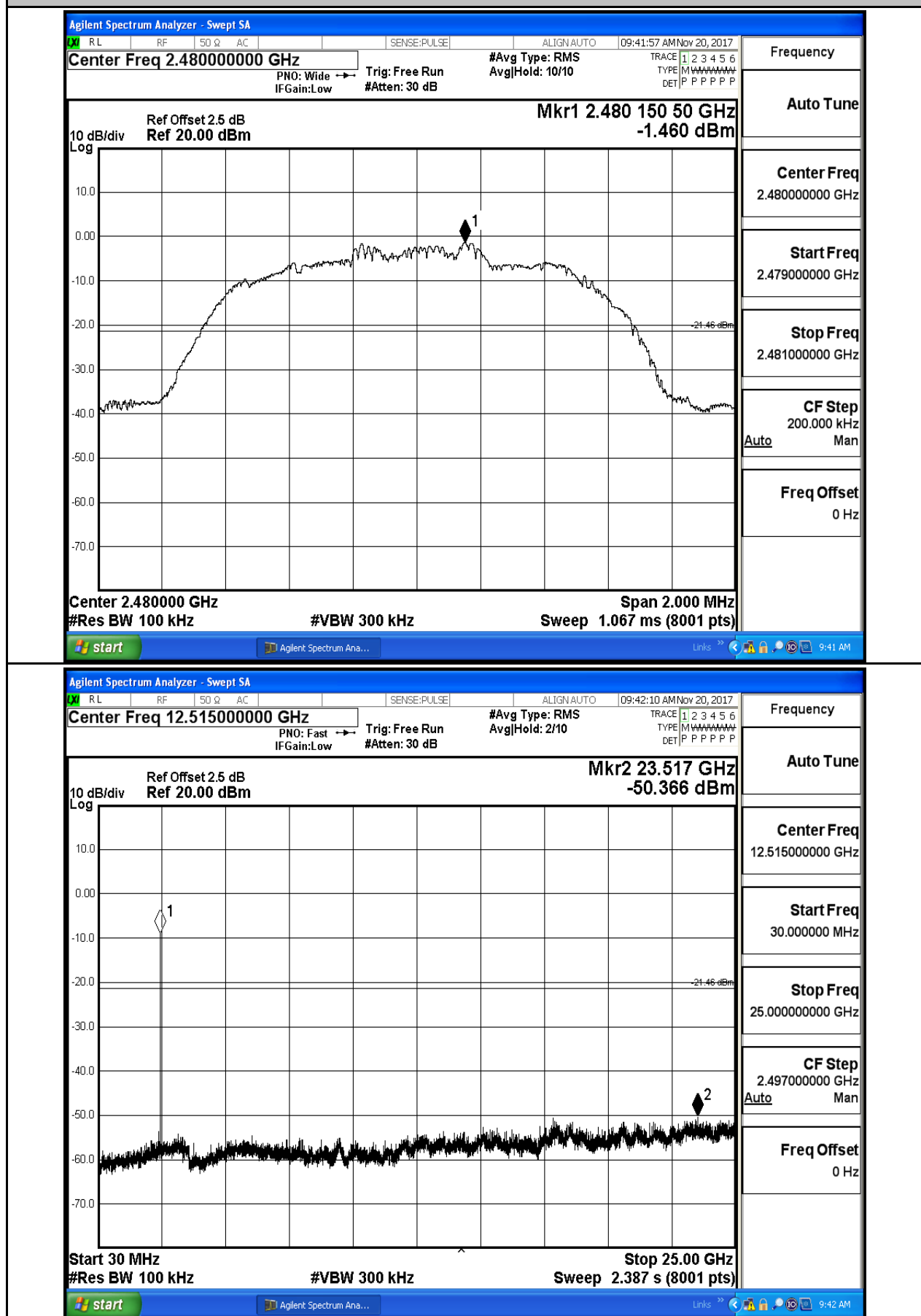
RF Conducted Spurious Emissions_3DH5_2402



RF Conducted Spurious Emissions_3DH5_2441

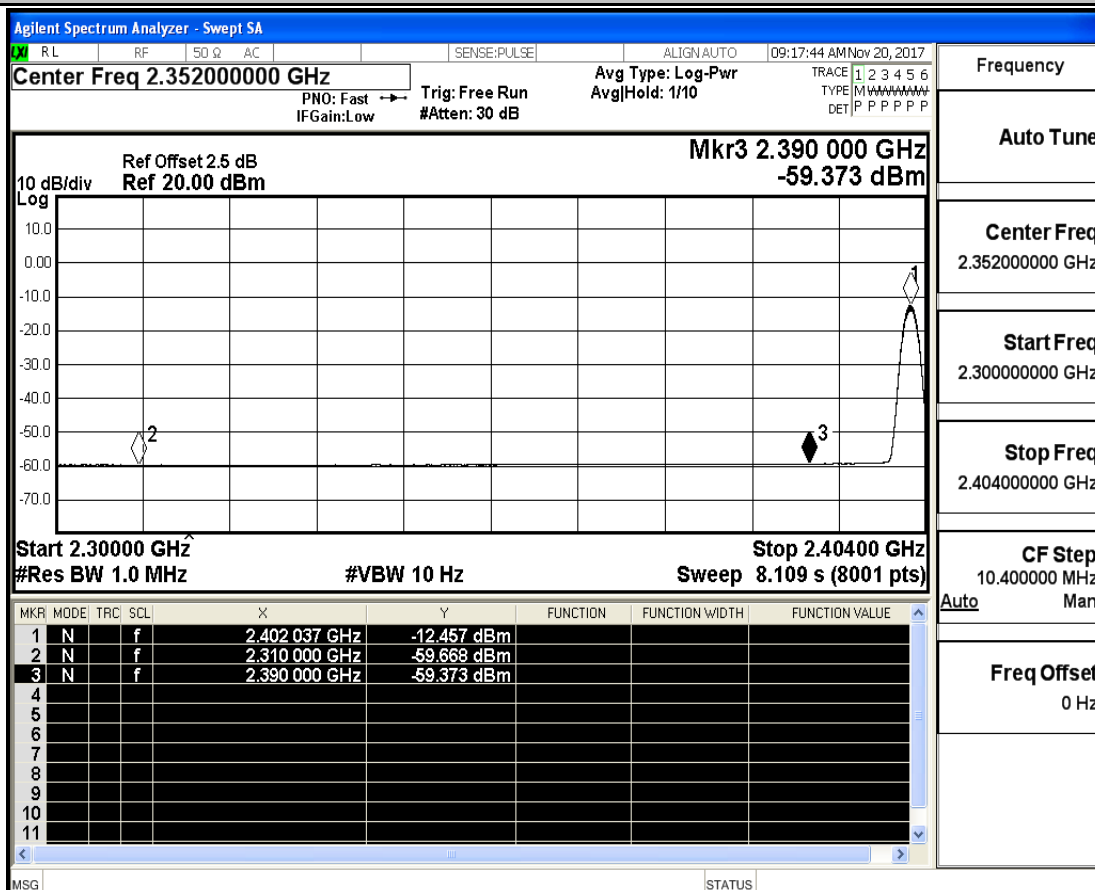
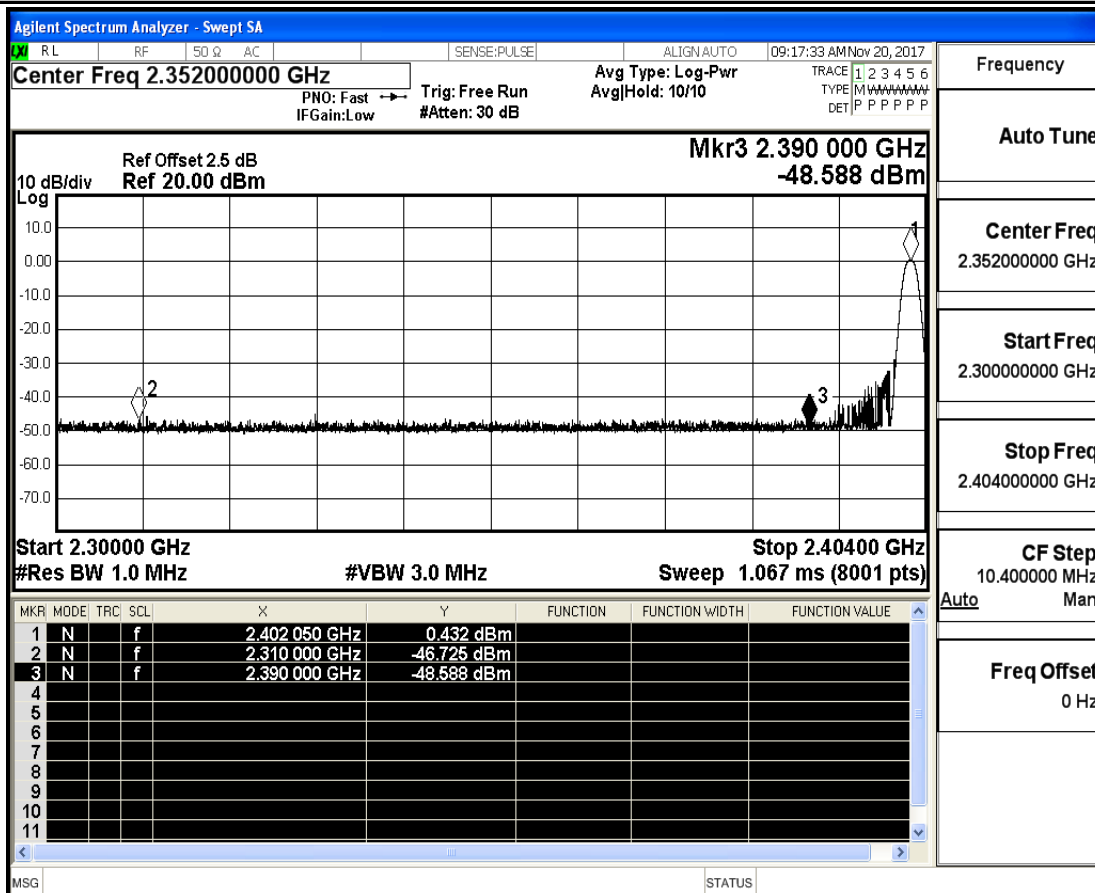


RF Conducted Spurious Emissions 3DH5 2480

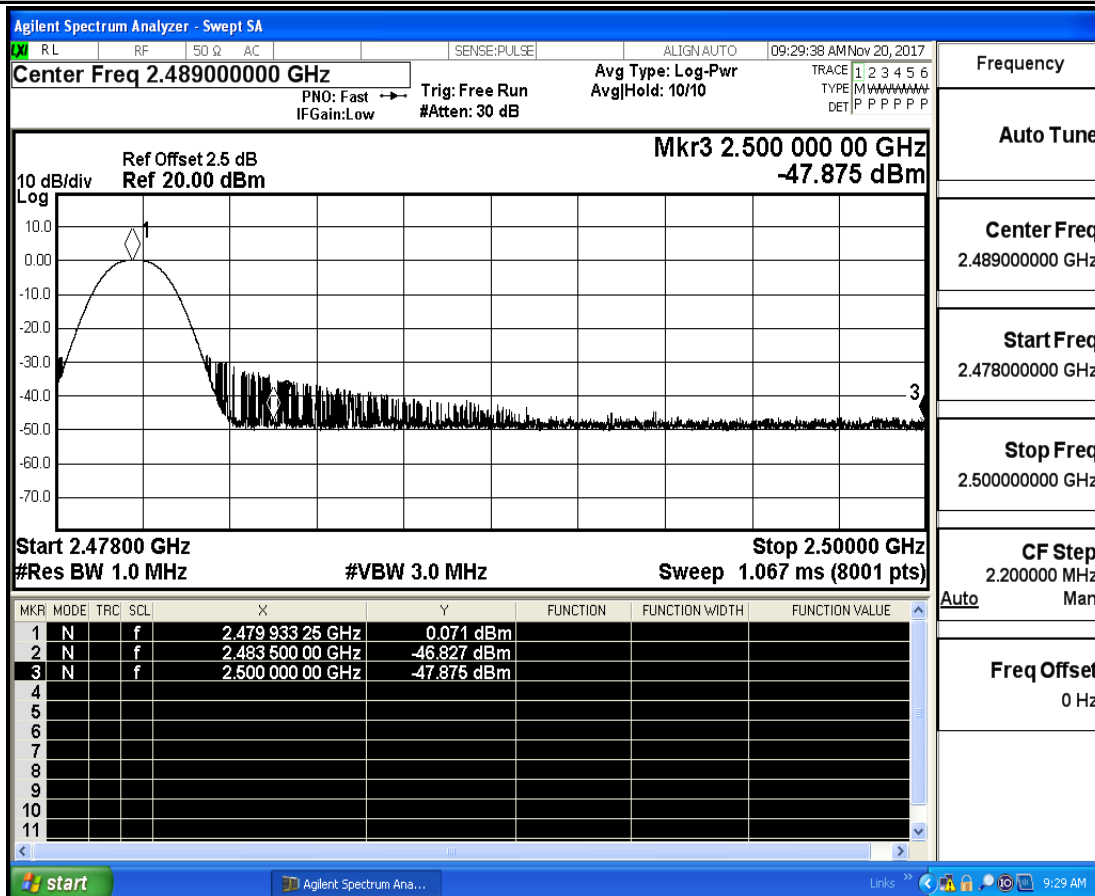


9.Restrict-band band-edge measurements

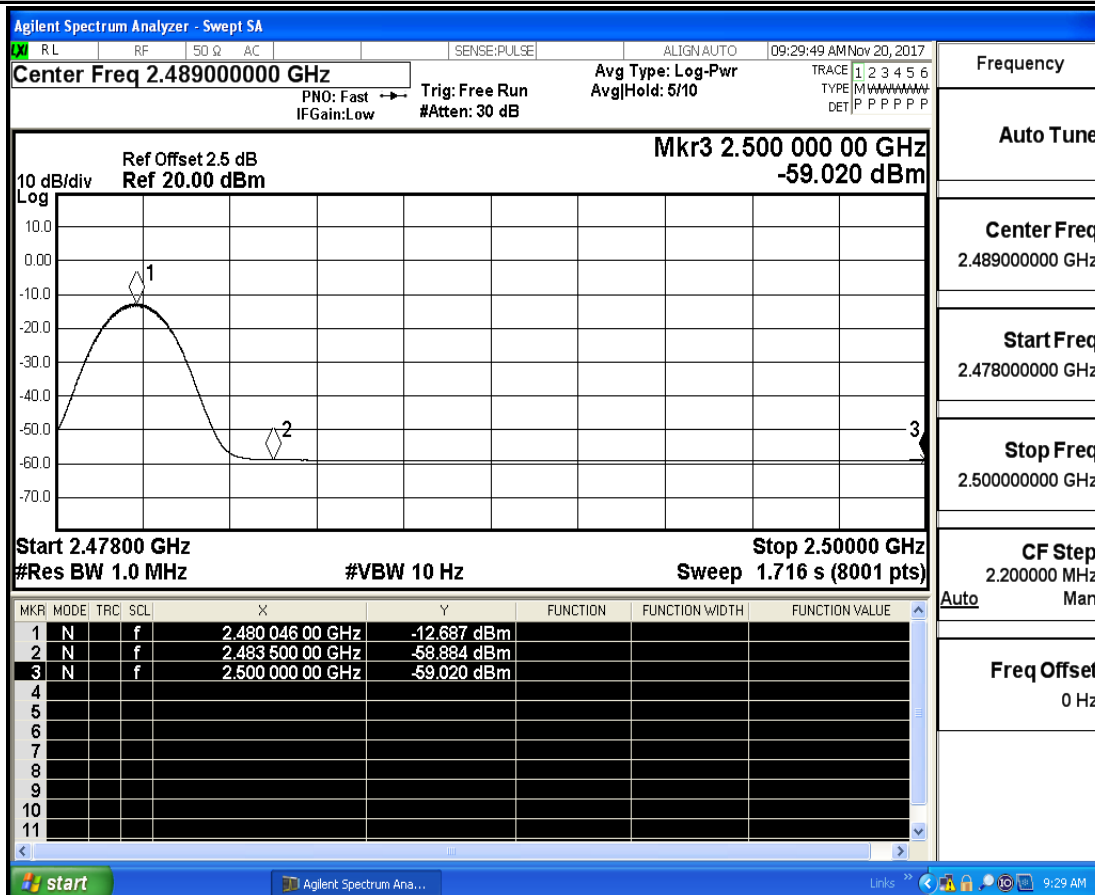
Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
DH5	On	2310.0	-46.73	2.0	0	48.53	PEAK	74	PASS
DH5	On	2310.0	-59.67	2.0	0	35.59	AV	54	PASS
DH5	On	2390.0	-48.59	2.0	0	46.67	PEAK	74	PASS
DH5	On	2390.0	-59.37	2.0	0	35.88	AV	54	PASS
DH5	On	2483.5	-46.83	2.0	0	48.43	PEAK	74	PASS
DH5	On	2483.5	-58.88	2.0	0	36.37	AV	54	PASS
DH5	On	2500.0	-47.88	2.0	0	47.38	PEAK	74	PASS
DH5	On	2500.0	-59.02	2.0	0	36.24	AV	54	PASS
2DH5	On	2310.0	-49.30	2.0	0	45.96	PEAK	74	PASS
2DH5	On	2310.0	-59.64	2.0	0	35.61	AV	54	PASS
2DH5	On	2390.0	-48.69	2.0	0	46.57	PEAK	74	PASS
2DH5	On	2390.0	-59.32	2.0	0	35.94	AV	54	PASS
2DH5	On	2483.5	-40.49	2.0	0	54.77	PEAK	74	PASS
2DH5	On	2483.5	-58.73	2.0	0	36.53	AV	54	PASS
2DH5	On	2500.0	-48.86	2.0	0	46.40	PEAK	74	PASS
2DH5	On	2500.0	-58.97	2.0	0	36.29	AV	54	PASS
3DH5	On	2310.0	-49.21	2.0	0	46.05	PEAK	74	PASS
3DH5	On	2310.0	-59.63	2.0	0	35.63	AV	54	PASS
3DH5	On	2390.0	-48.87	2.0	0	46.39	PEAK	74	PASS
3DH5	On	2390.0	-59.33	2.0	0	35.93	AV	54	PASS
3DH5	On	2483.5	-39.99	2.0	0	55.27	PEAK	74	PASS
3DH5	On	2483.5	-58.71	2.0	0	36.55	AV	54	PASS
3DH5	On	2500.0	-47.73	2.0	0	47.52	PEAK	74	PASS
3DH5	On	2500.0	-59.01	2.0	0	36.25	AV	54	PASS



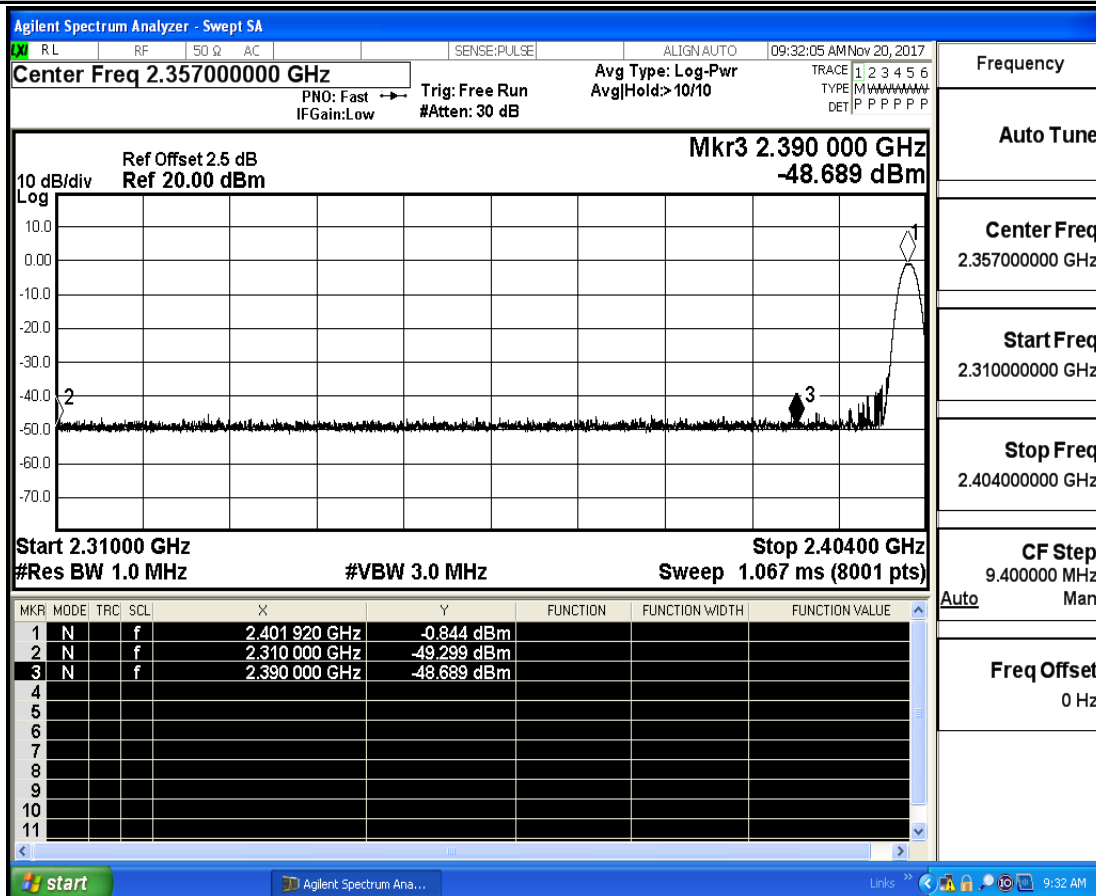
Restrict-band band-edge measurements_2480_PEAK



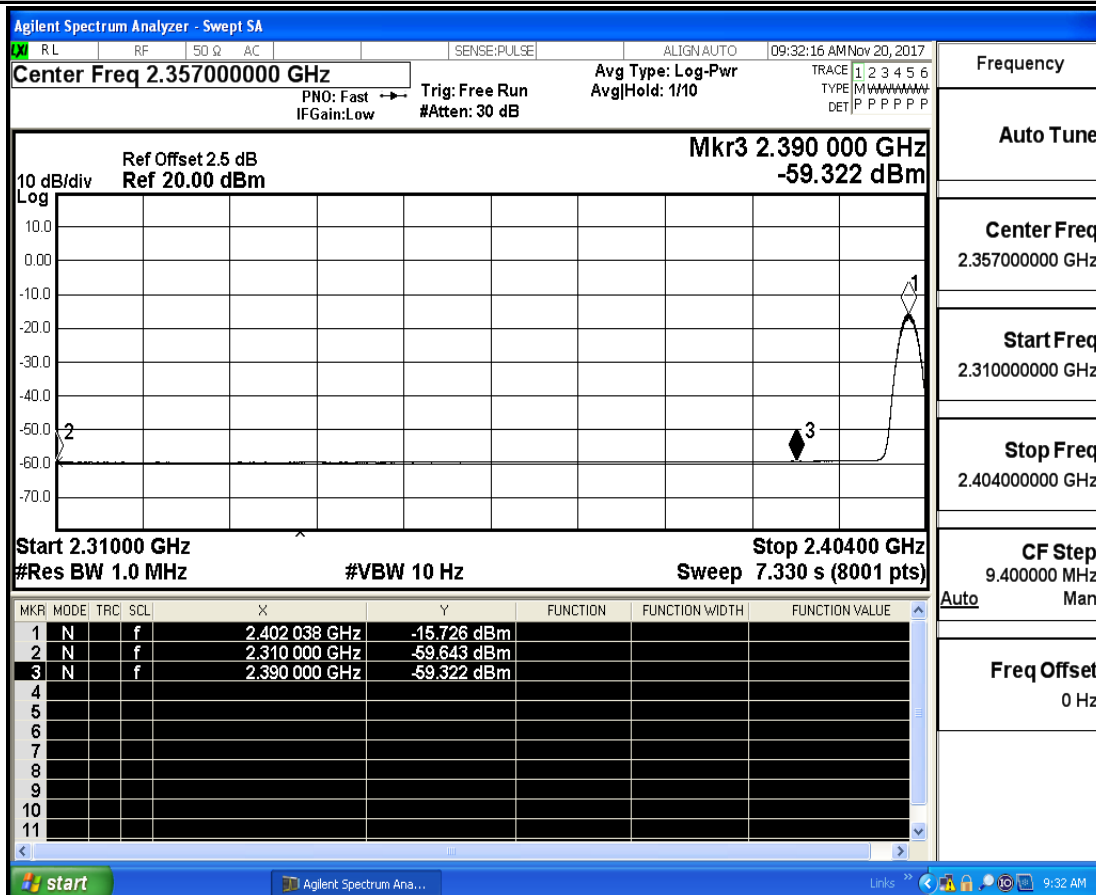
Restrict-band band-edge measurements_2480_AV



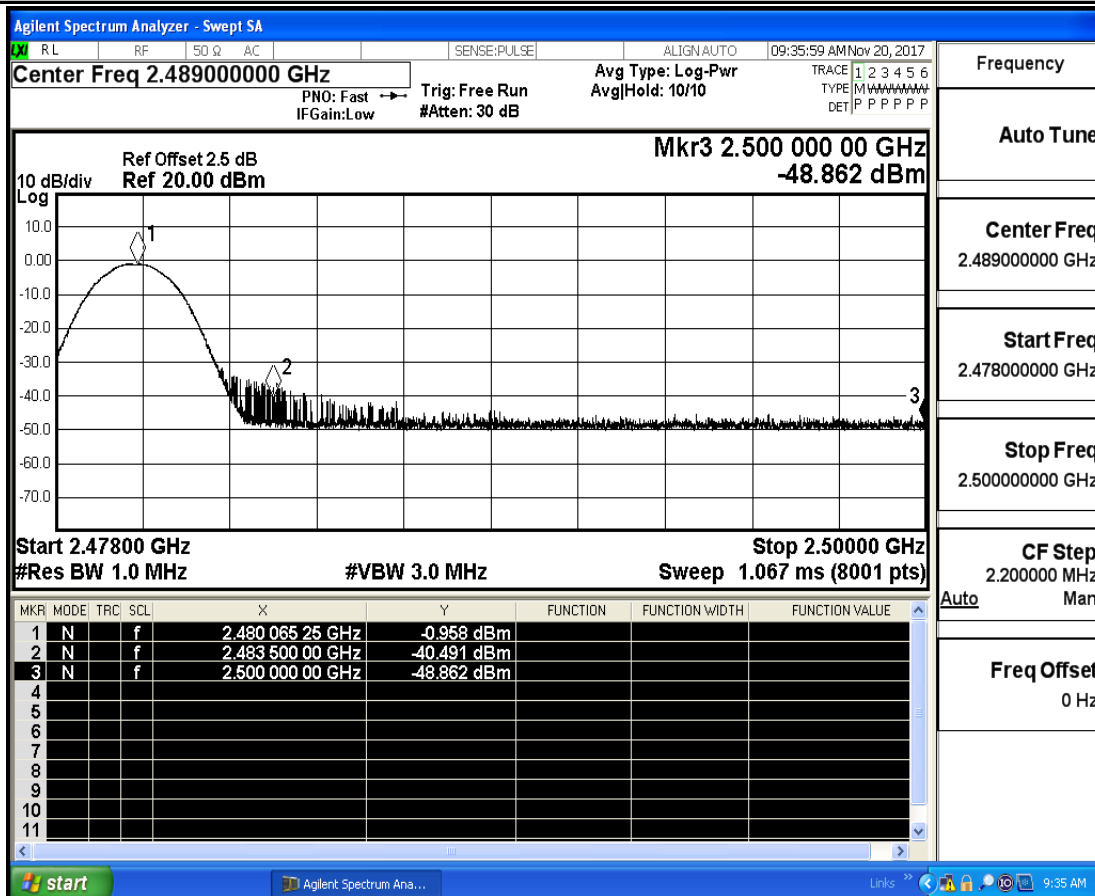
Restrict-band band-edge measurements_2402_PEAK



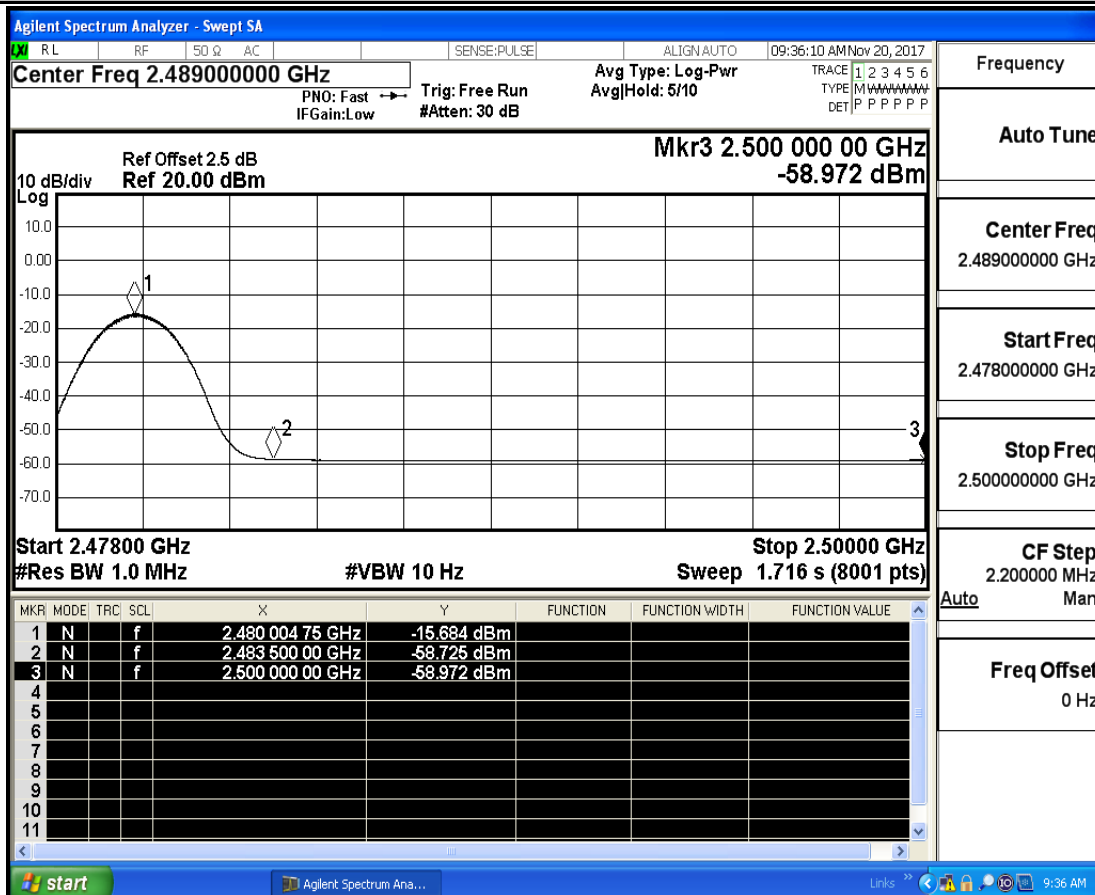
Restrict-band band-edge measurements_2402_AV



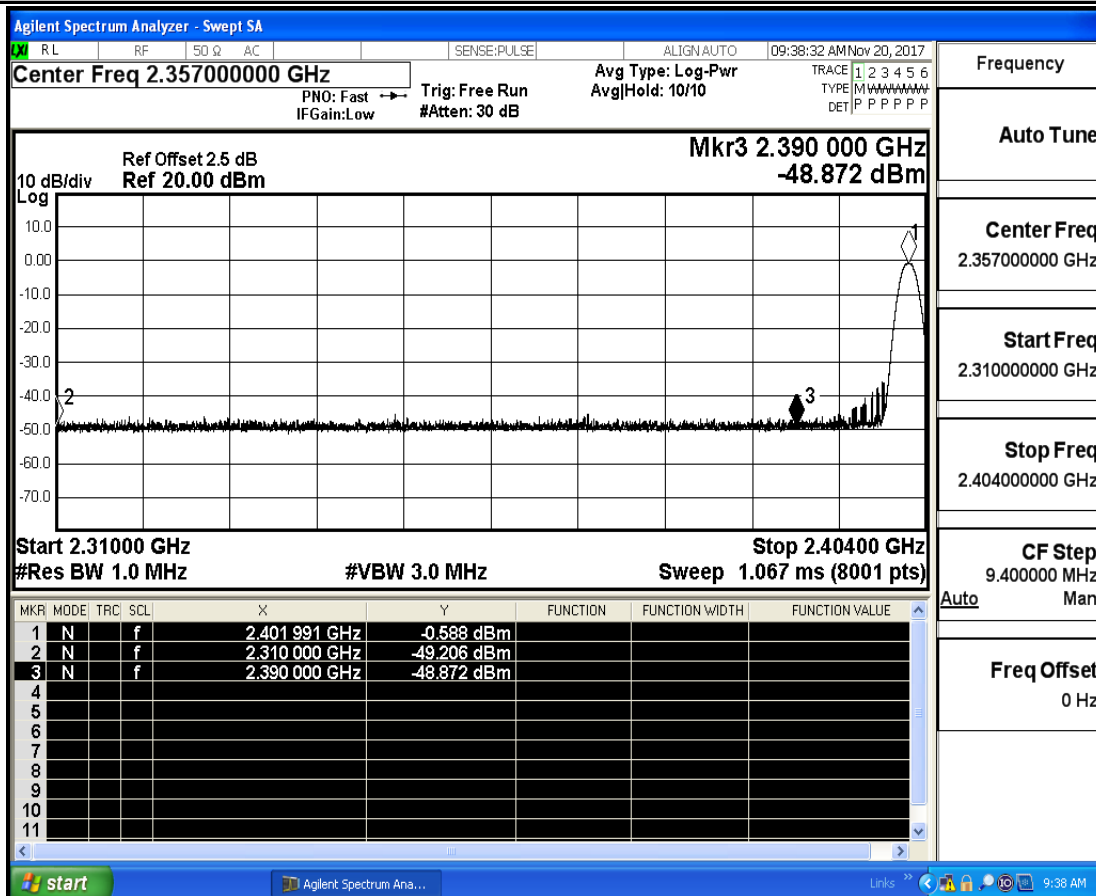
Restrict-band band-edge measurements_2480_PEAK



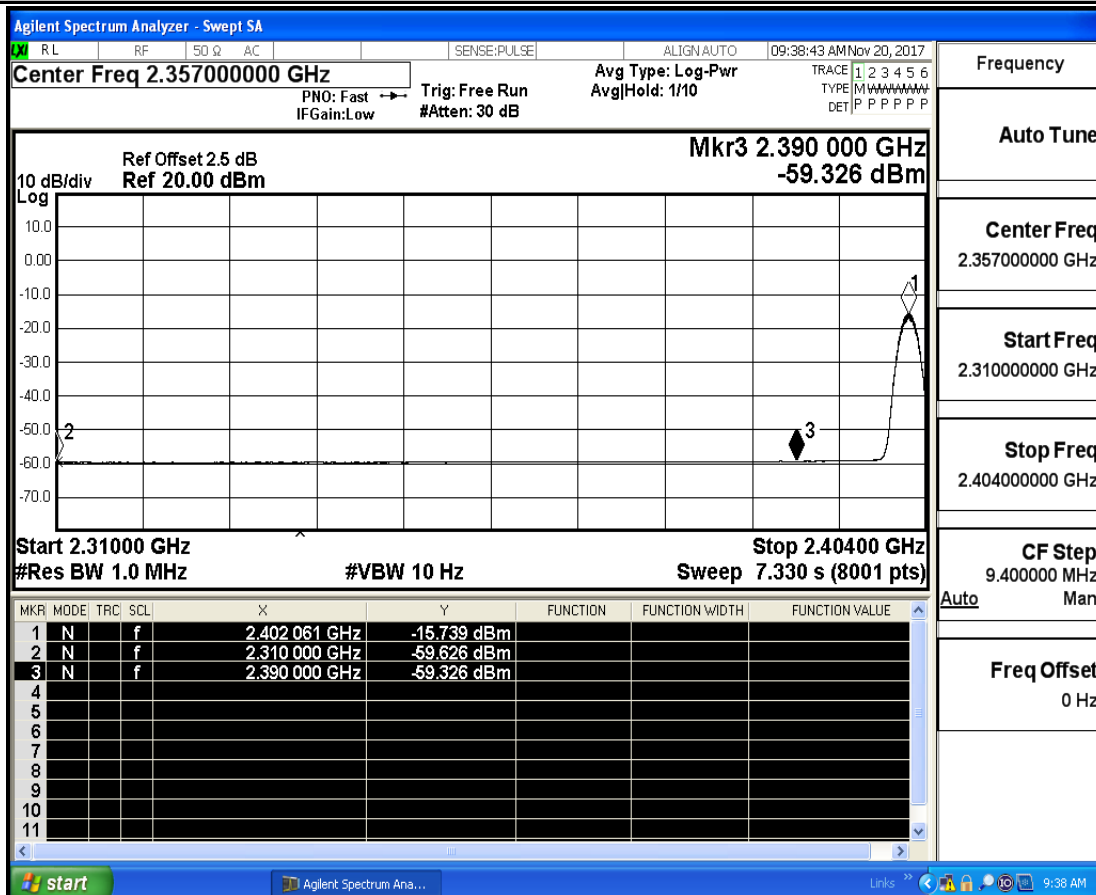
Restrict-band band-edge measurements_2480_AV



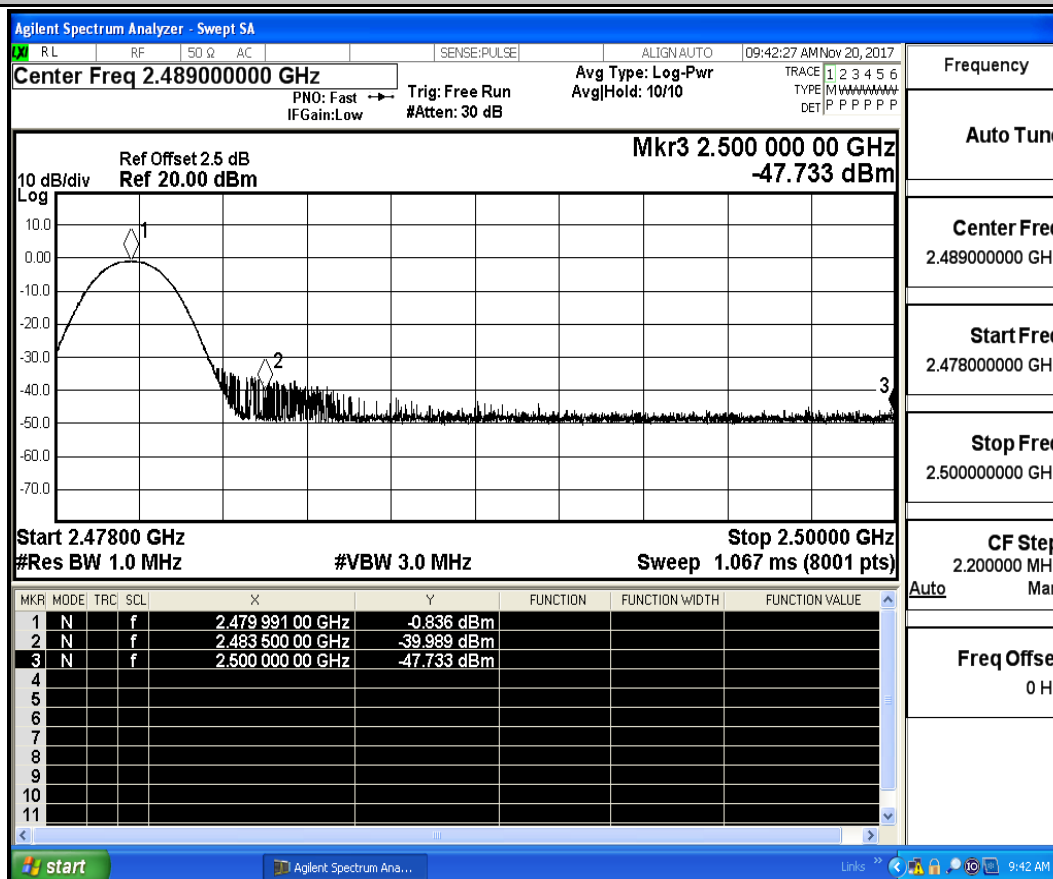
Restrict-band band-edge measurements_2402_PEAK



Restrict-band band-edge measurements_2402_AV



Restrict-band band-edge measurements 2480 PEAK



Restrict-band band-edge measurements 2480 AV

