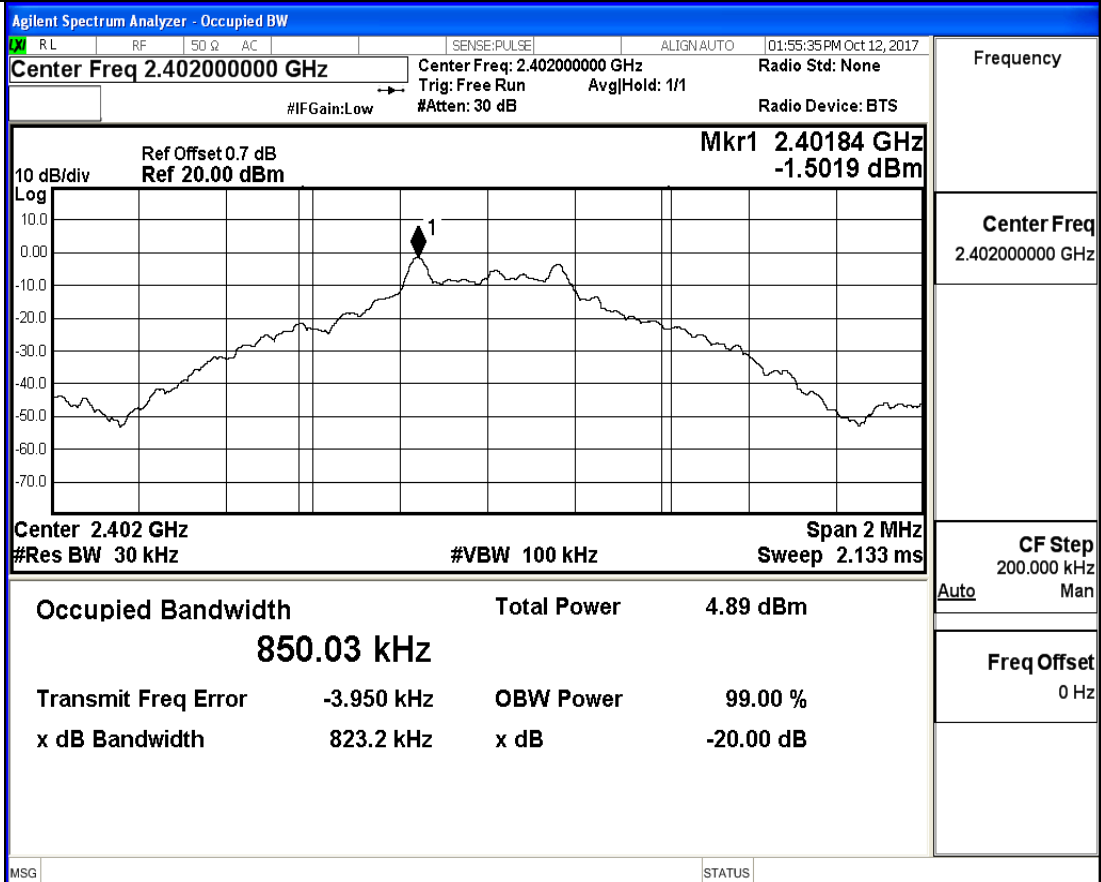


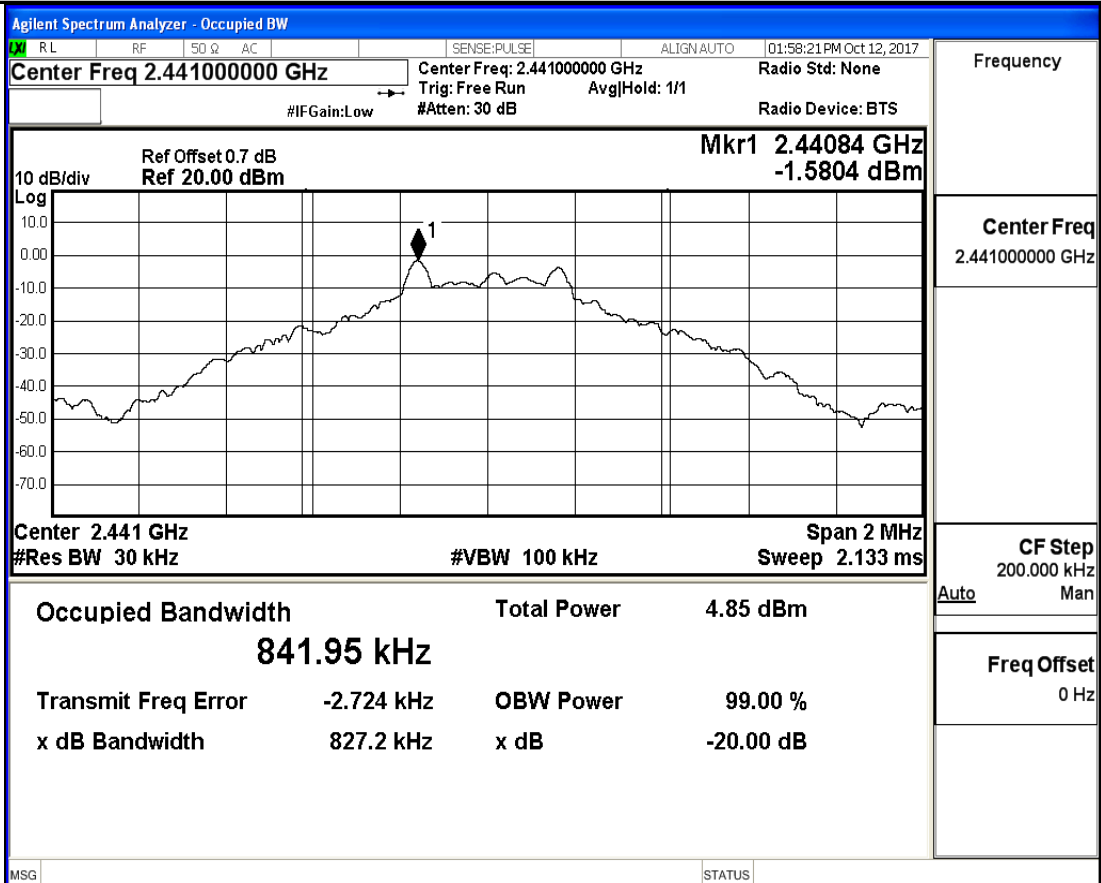
1.20 dB Bandwidth

Test Mode	Test Channel	99%[MHz]	EBW[MHz]	Limit[MHz]	Verdict
DH5	2402	0.85003	0.8232	---	PASS
DH5	2441	0.84195	0.8272	---	PASS
DH5	2480	0.84762	0.8296	---	PASS
2DH5	2402	1.0714	1.125	---	PASS
2DH5	2441	1.0718	1.132	---	PASS
2DH5	2480	1.0704	1.123	---	PASS
3DH5	2402	1.0654	1.141	---	PASS
3DH5	2441	1.0688	1.121	---	PASS
3DH5	2480	1.0684	1.117	---	PASS

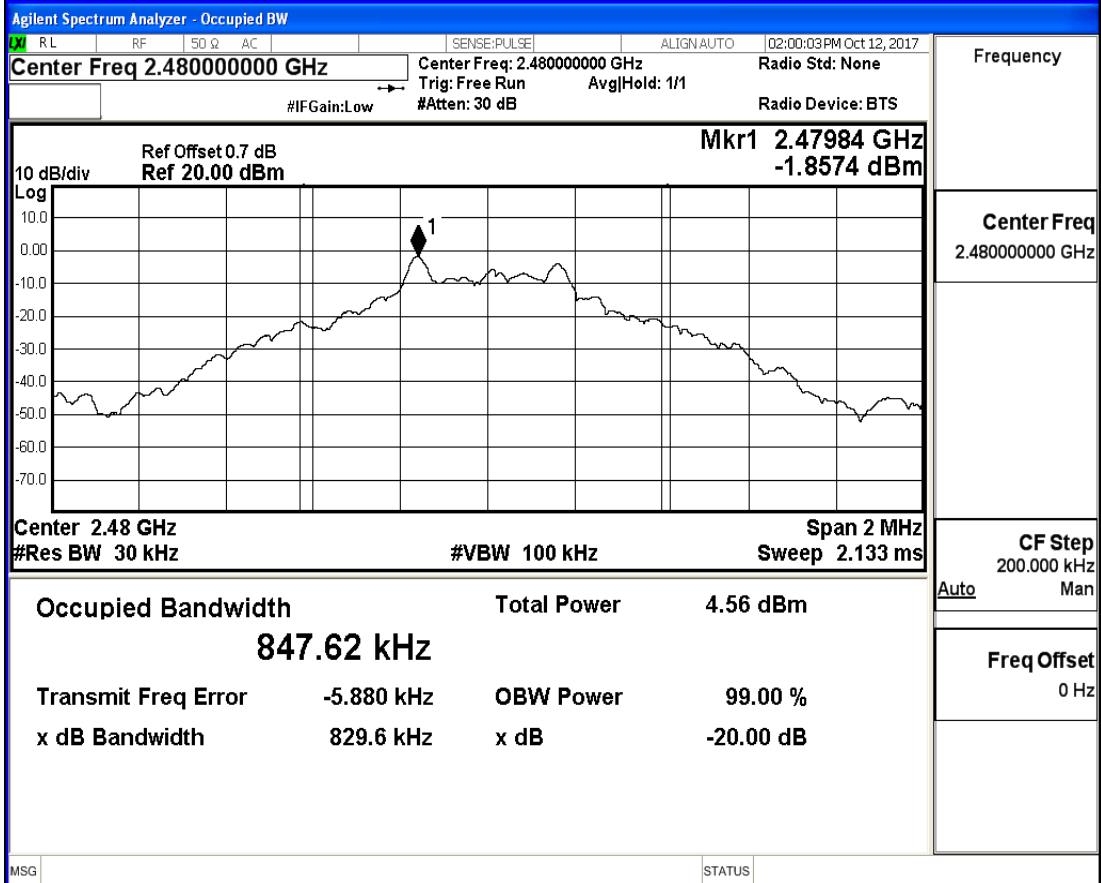
20 dB Bandwidth_DH5_2402



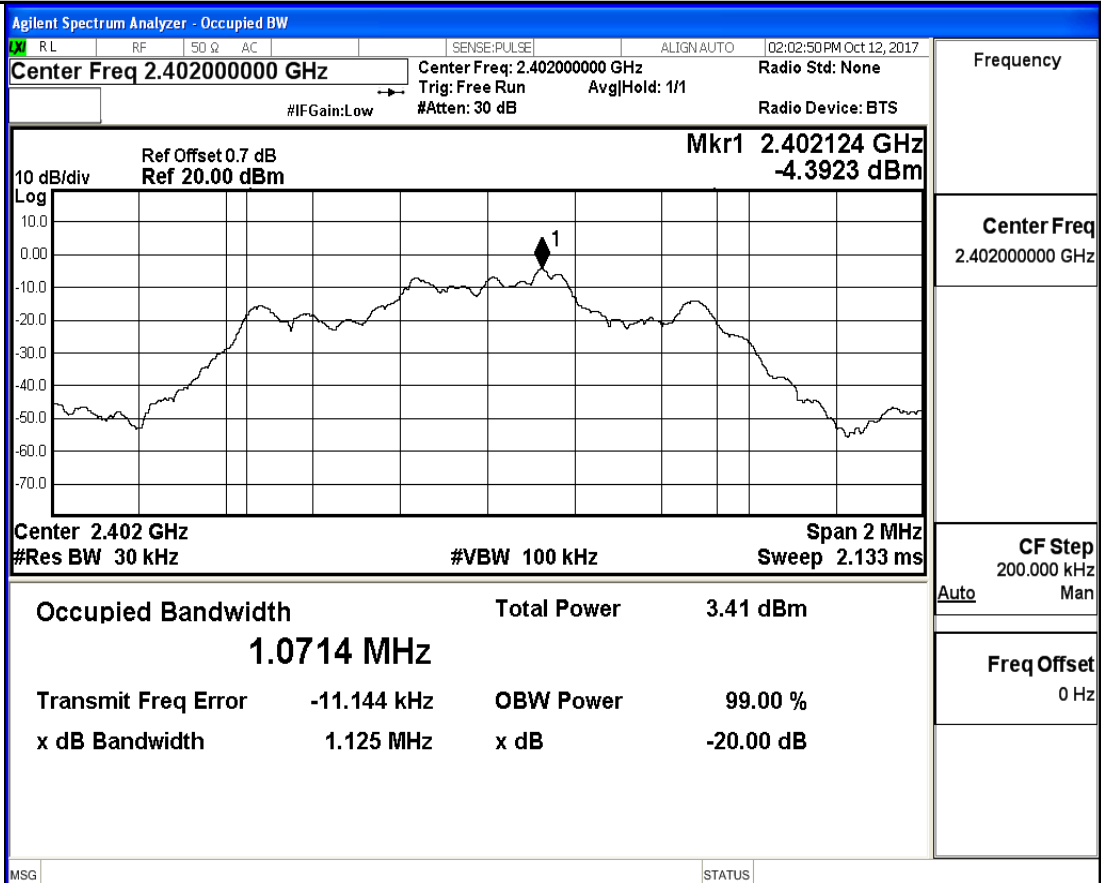
20 dB Bandwidth_DH5_2441



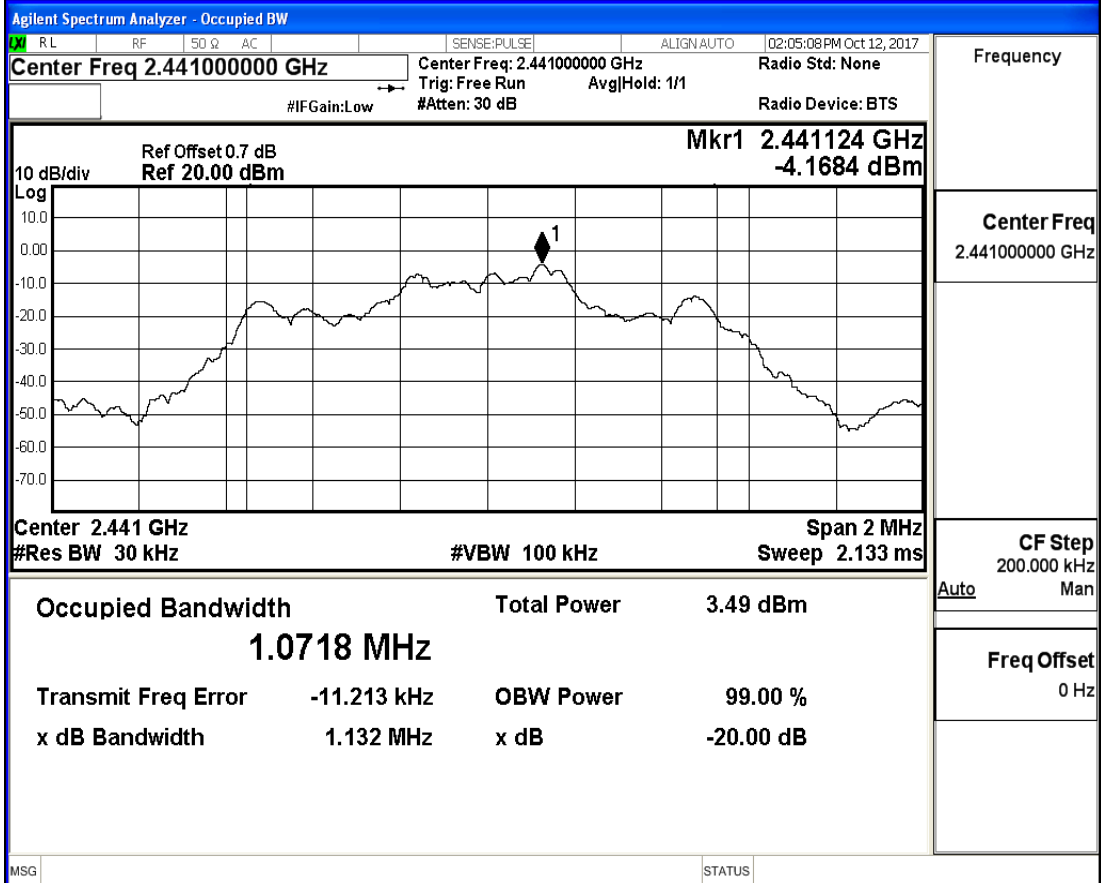
20 dB Bandwidth_DH5_2480



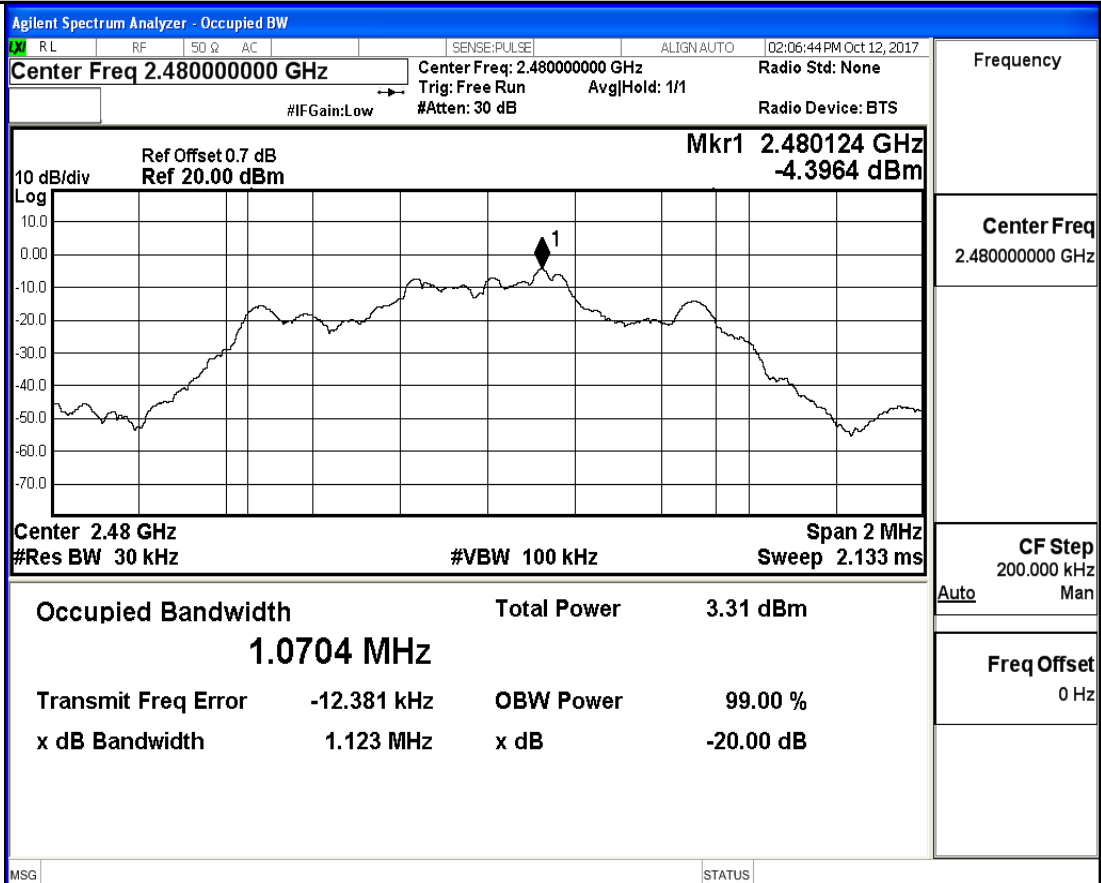
20 dB Bandwidth_2DH5_2402



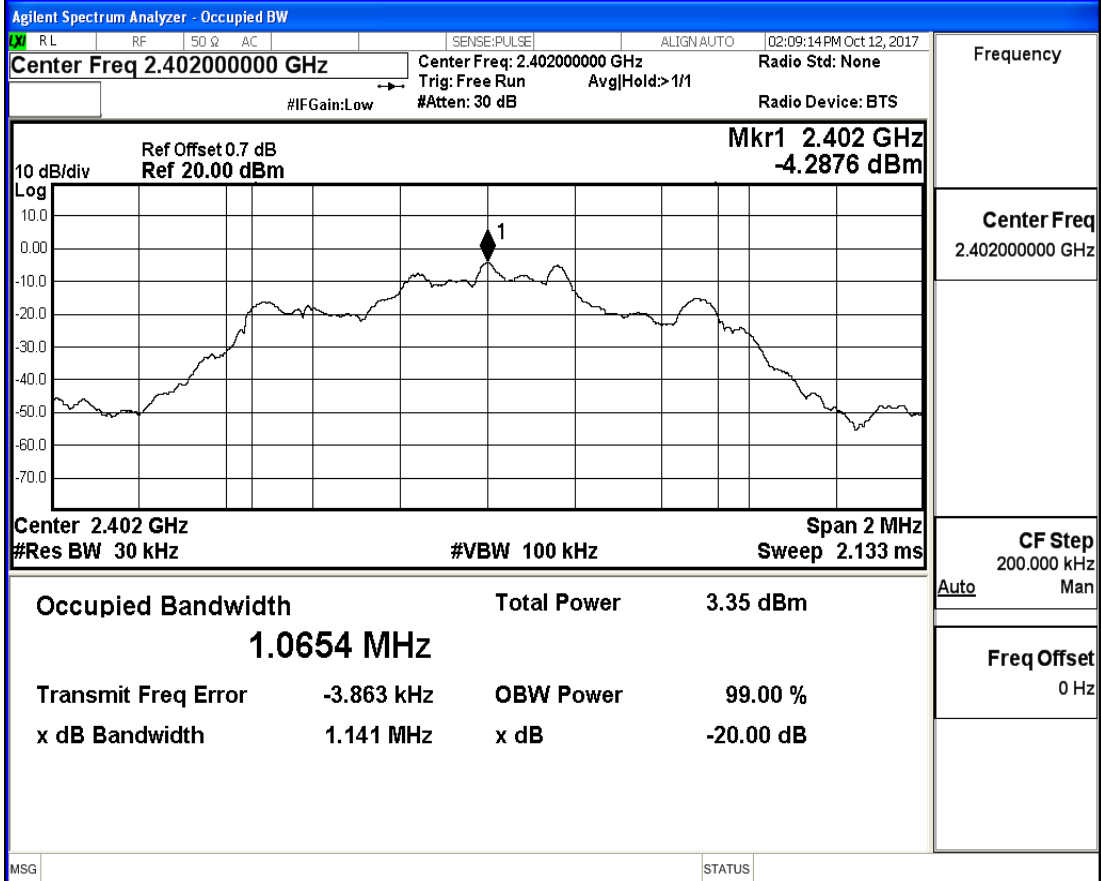
20 dB Bandwidth_2DH5_2441



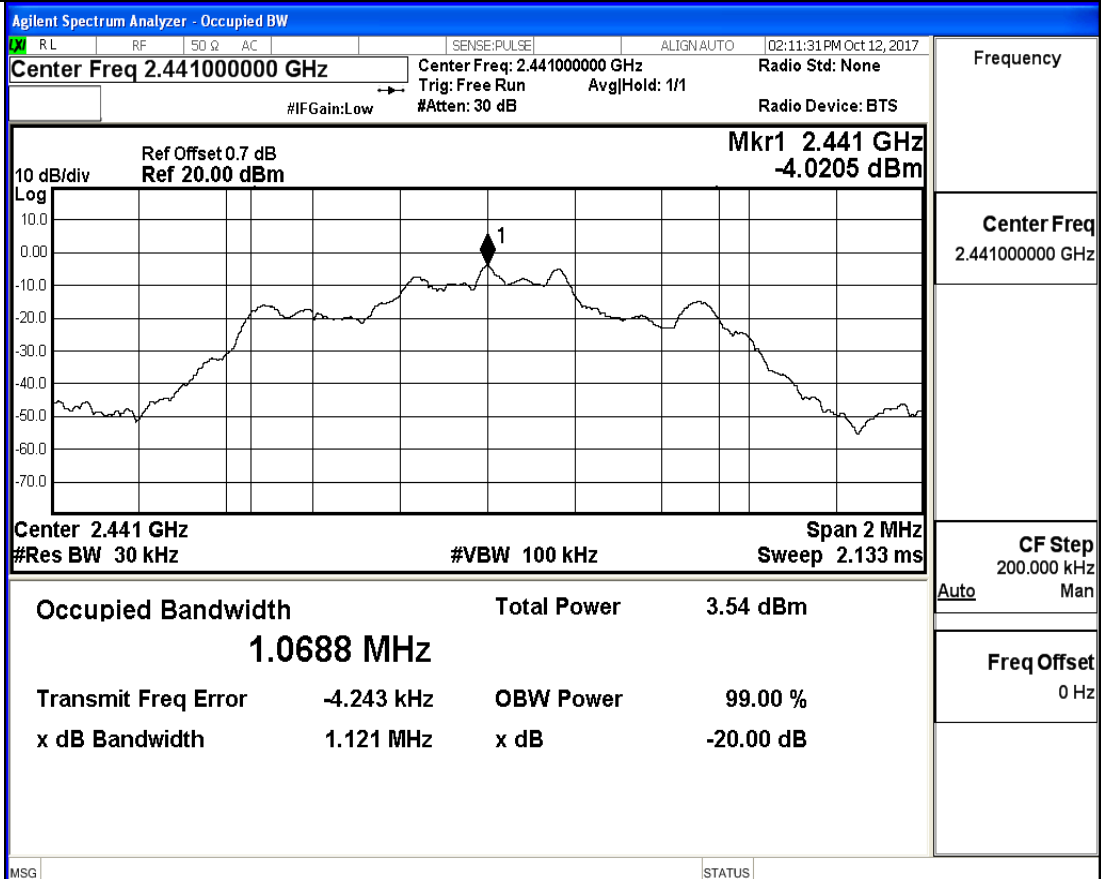
20 dB Bandwidth_2DH5_2480

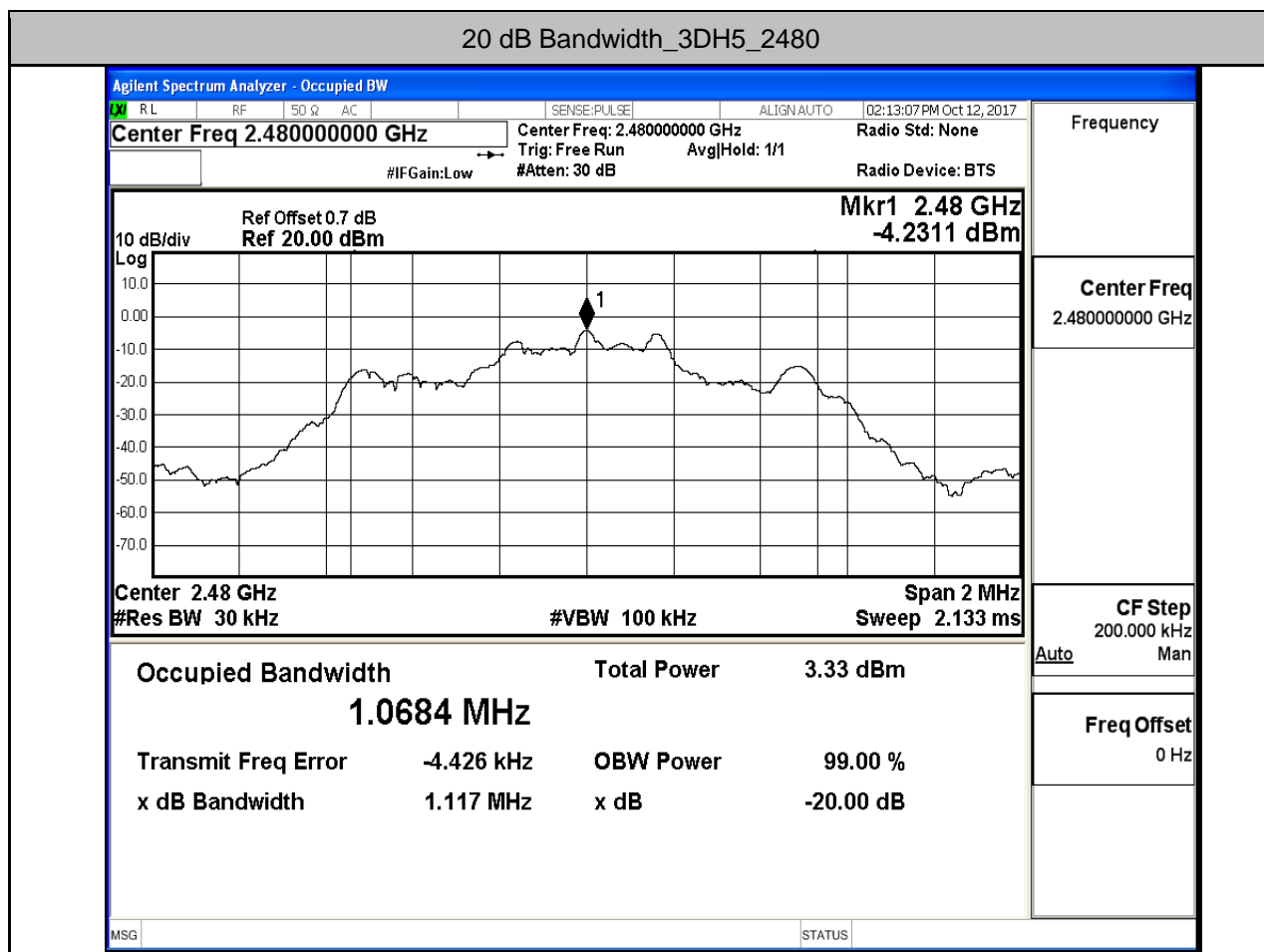


20 dB Bandwidth_3DH5_2402



20 dB Bandwidth_3DH5_2441

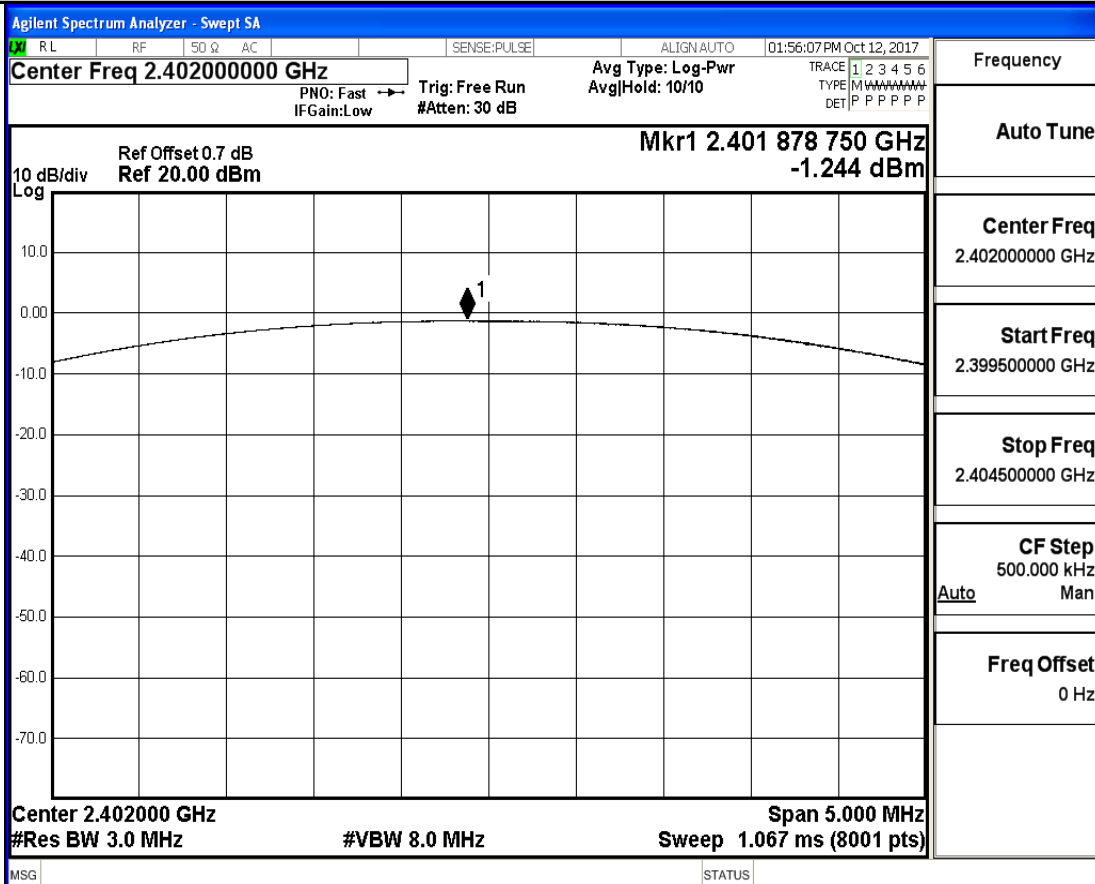




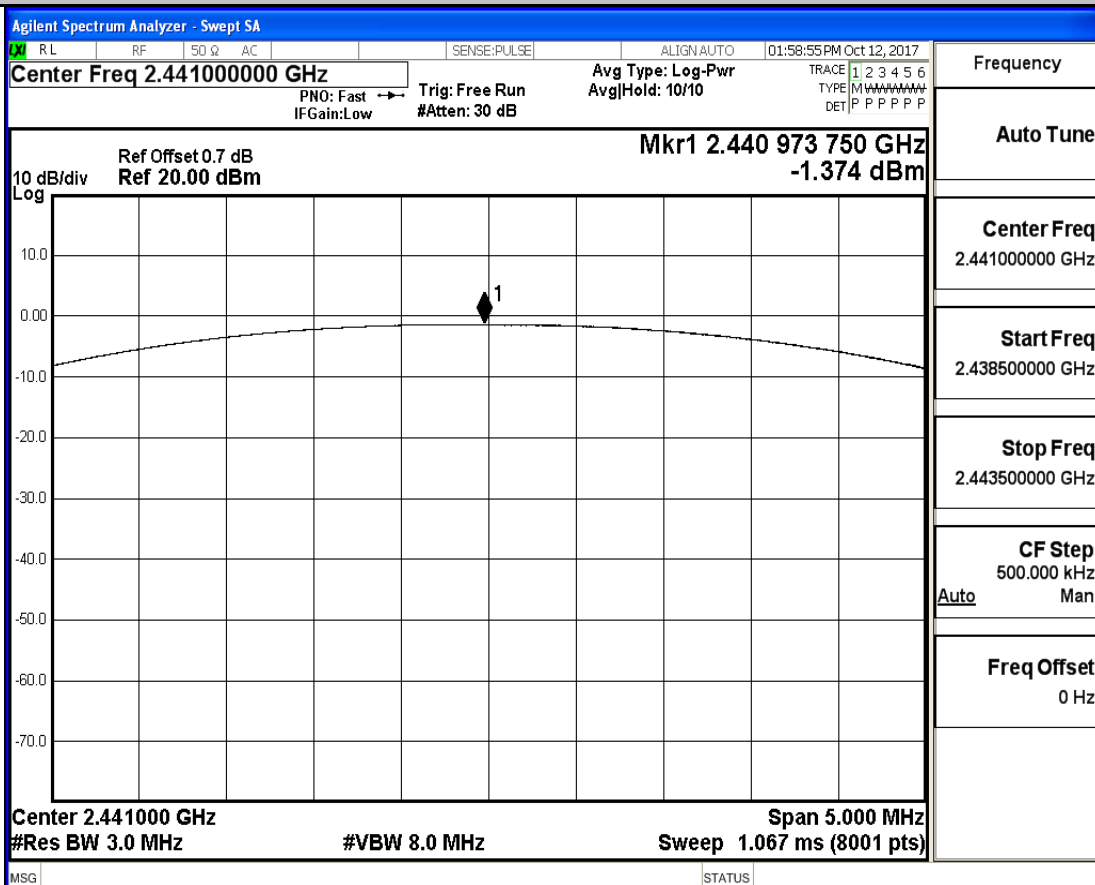
2. Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
DH5	2402	-1.244	21	PASS
DH5	2441	-1.374	21	PASS
DH5	2480	-1.677	21	PASS
2DH5	2402	-2.505	21	PASS
2DH5	2441	-2.423	21	PASS
2DH5	2480	-2.673	21	PASS
3DH5	2402	-2.478	21	PASS
3DH5	2441	-2.378	21	PASS
3DH5	2480	-2.576	21	PASS

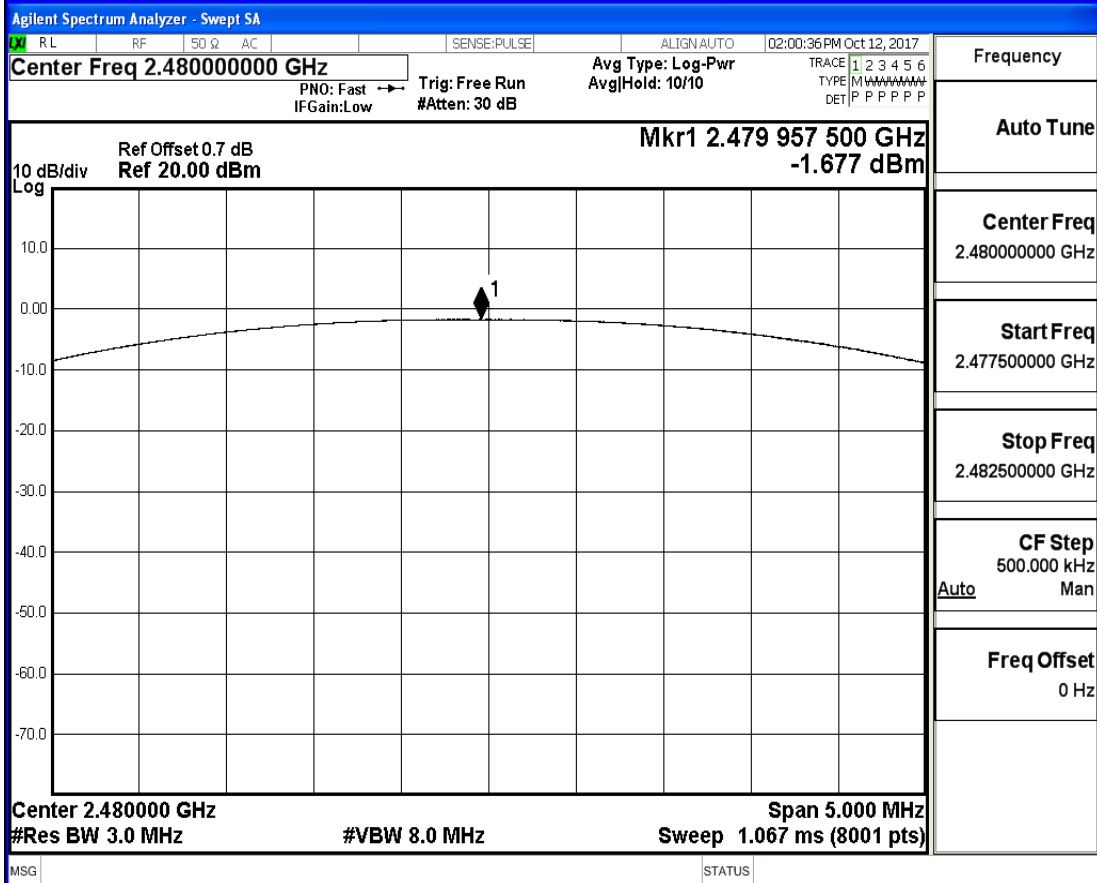
Conducted Peak Output Power_DH5_2402



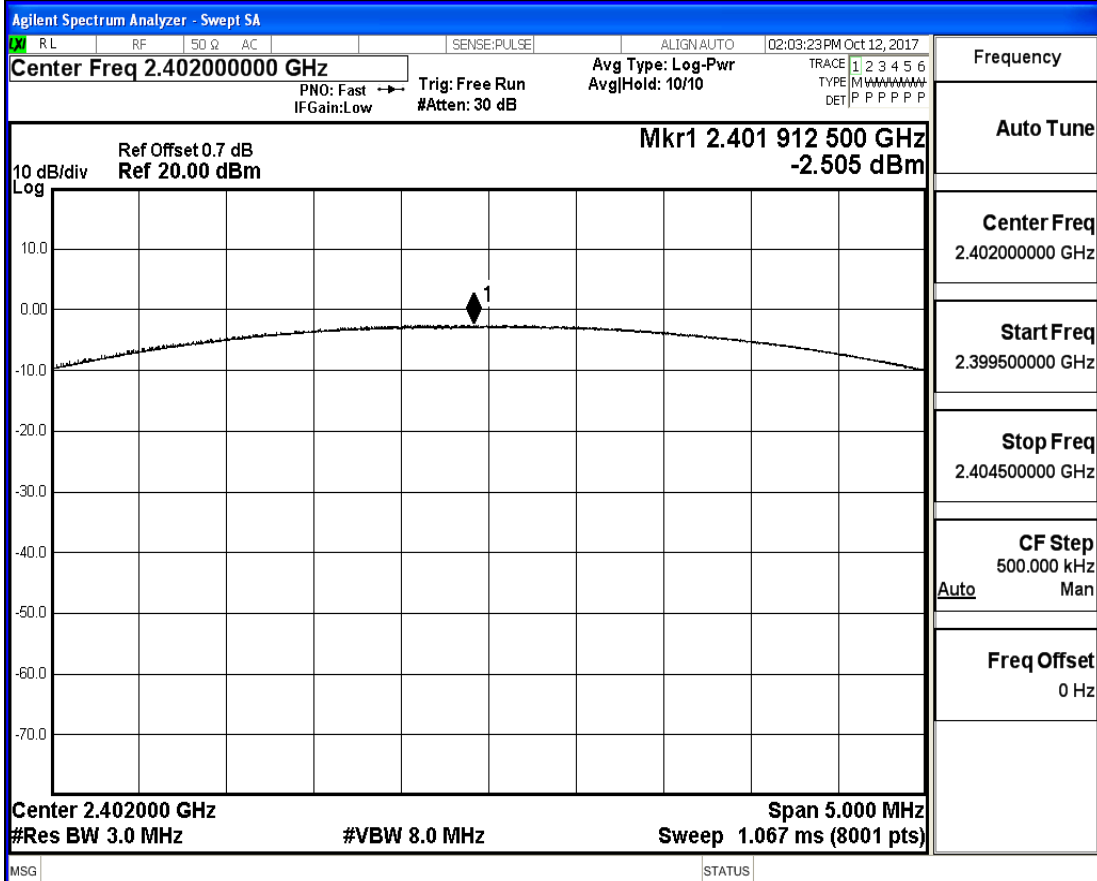
Conducted Peak Output Power_DH5_2441



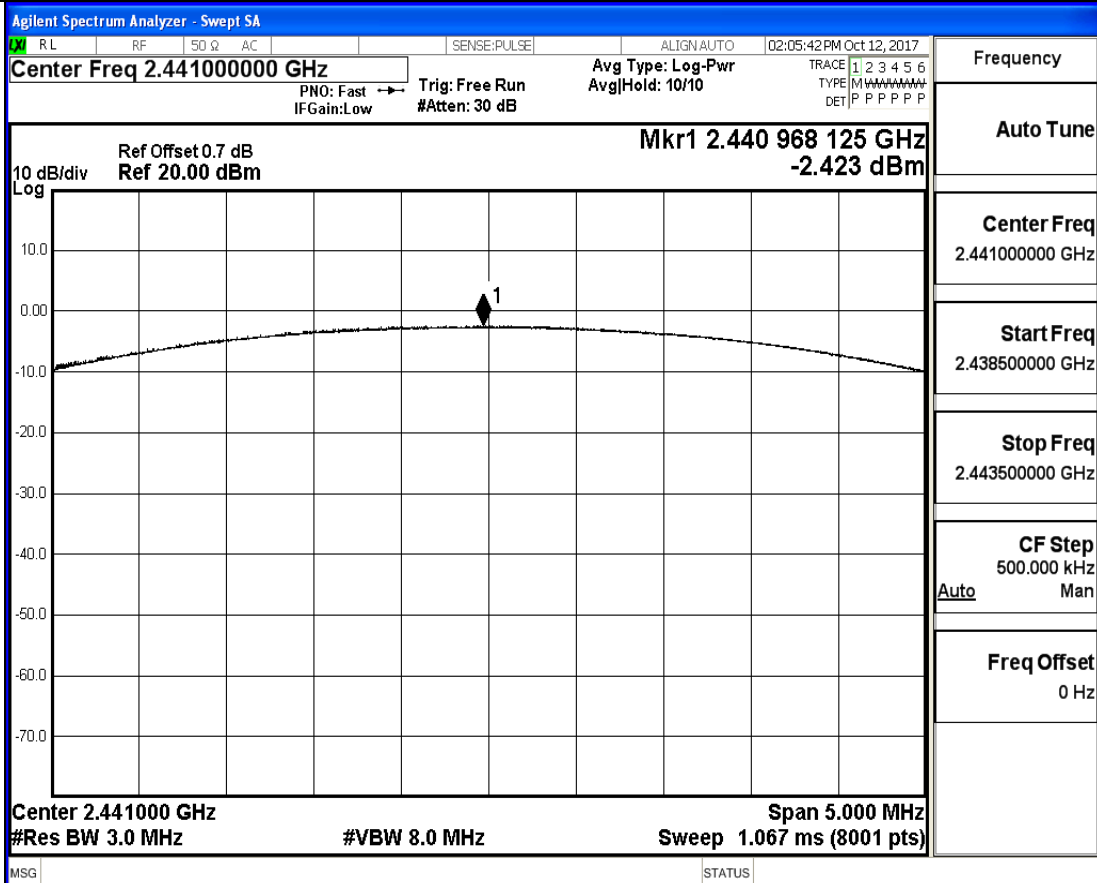
Conducted Peak Output Power_DH5_2480



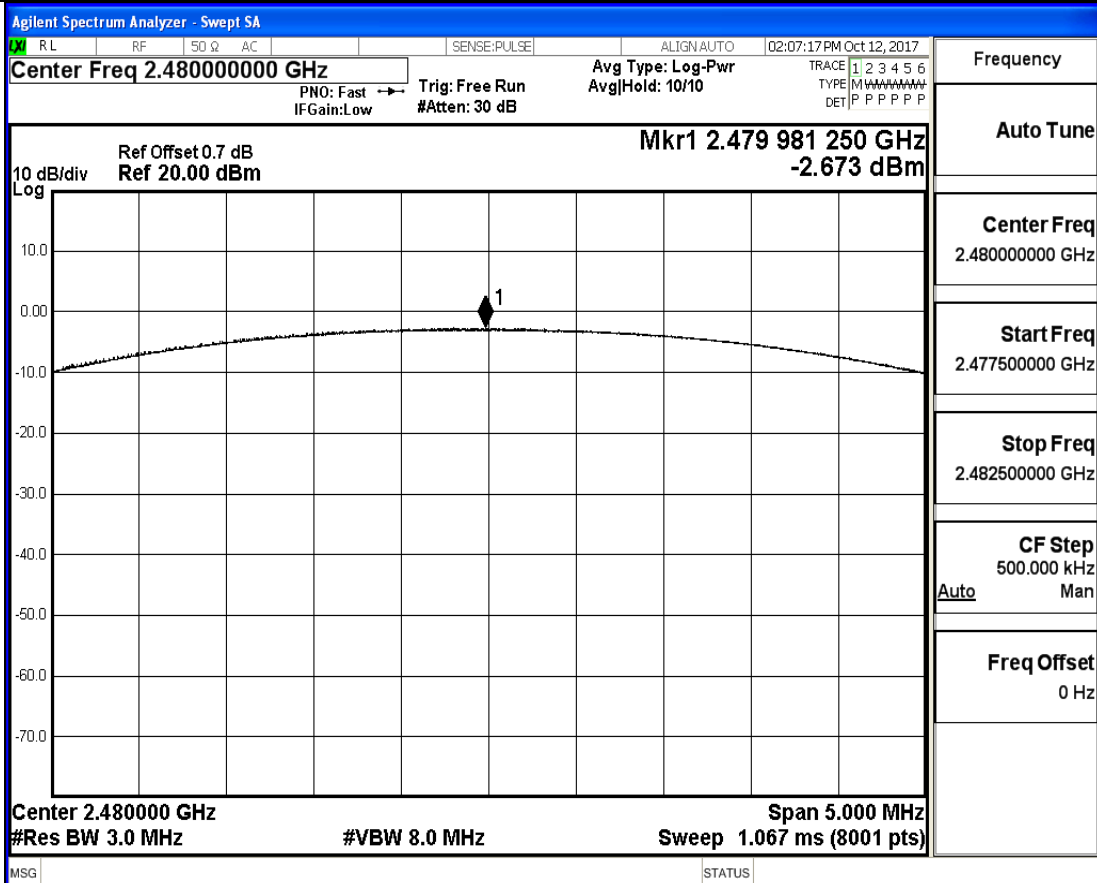
Conducted Peak Output Power_2DH5_2402



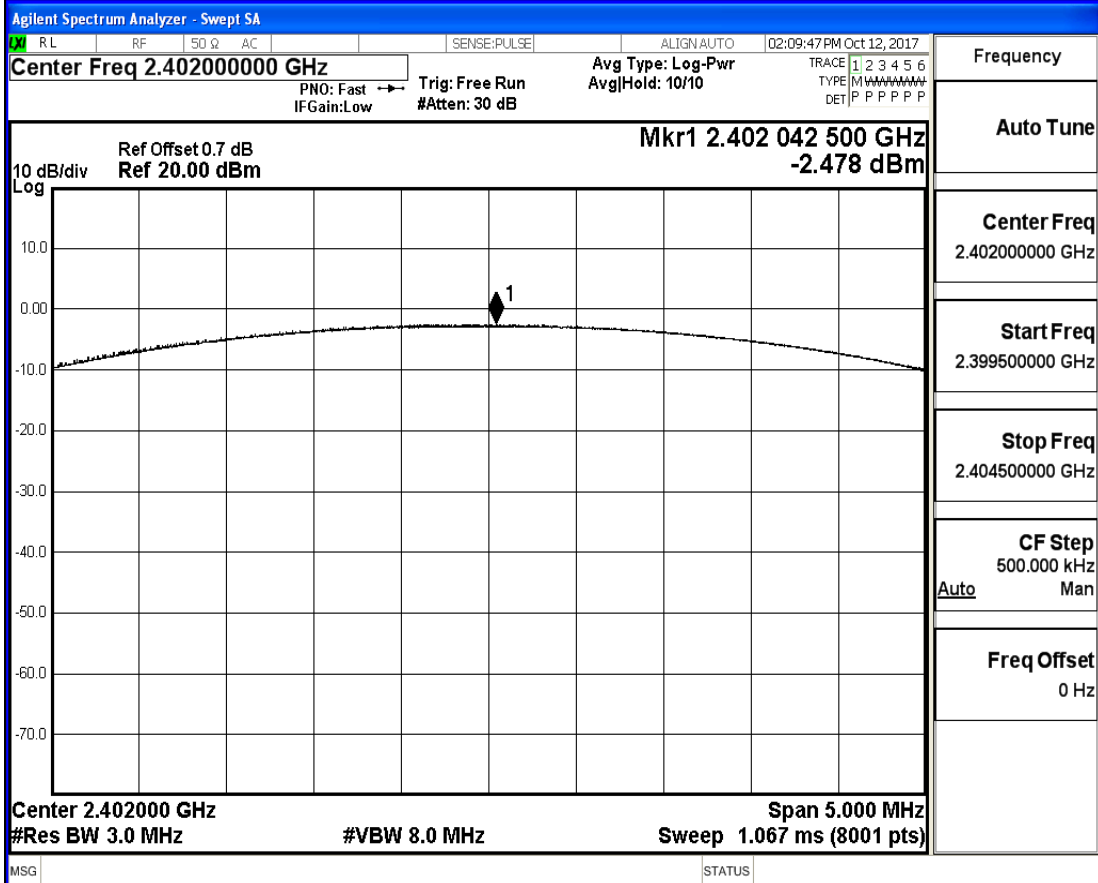
Conducted Peak Output Power_2DH5_2441



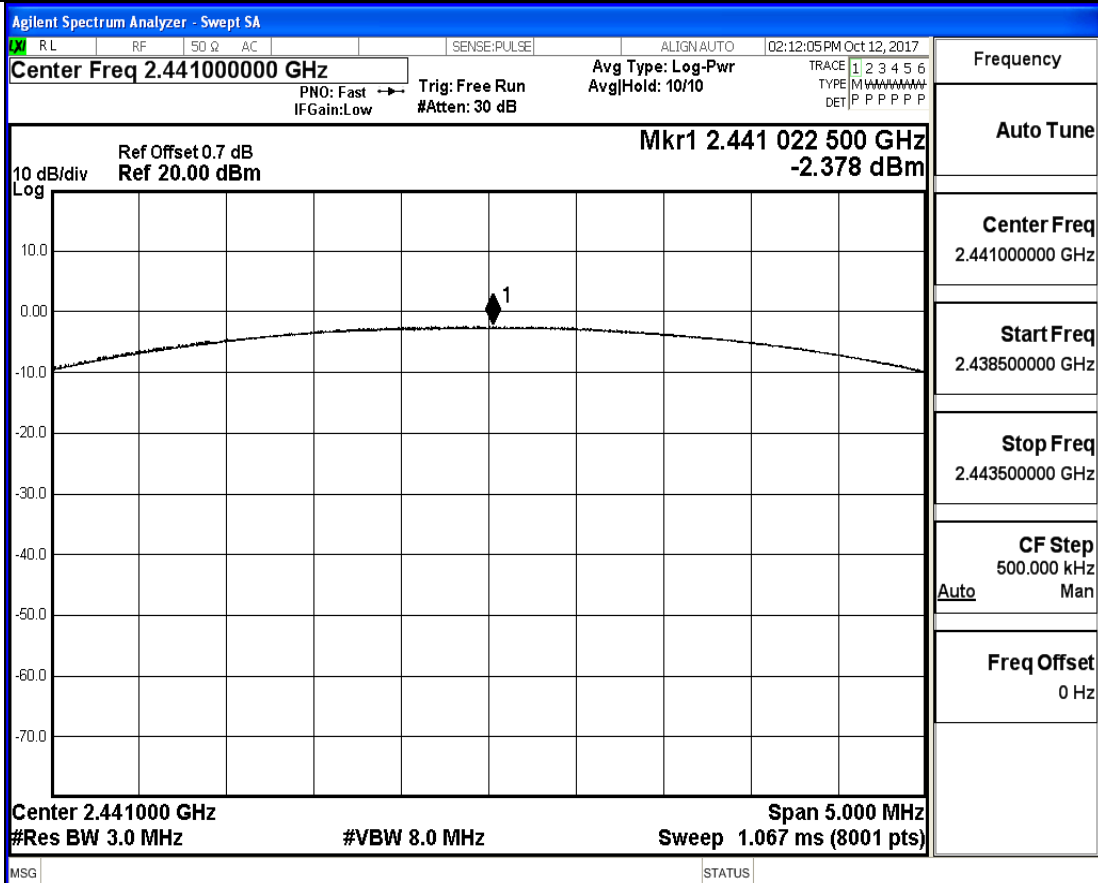
Conducted Peak Output Power_2DH5_2480



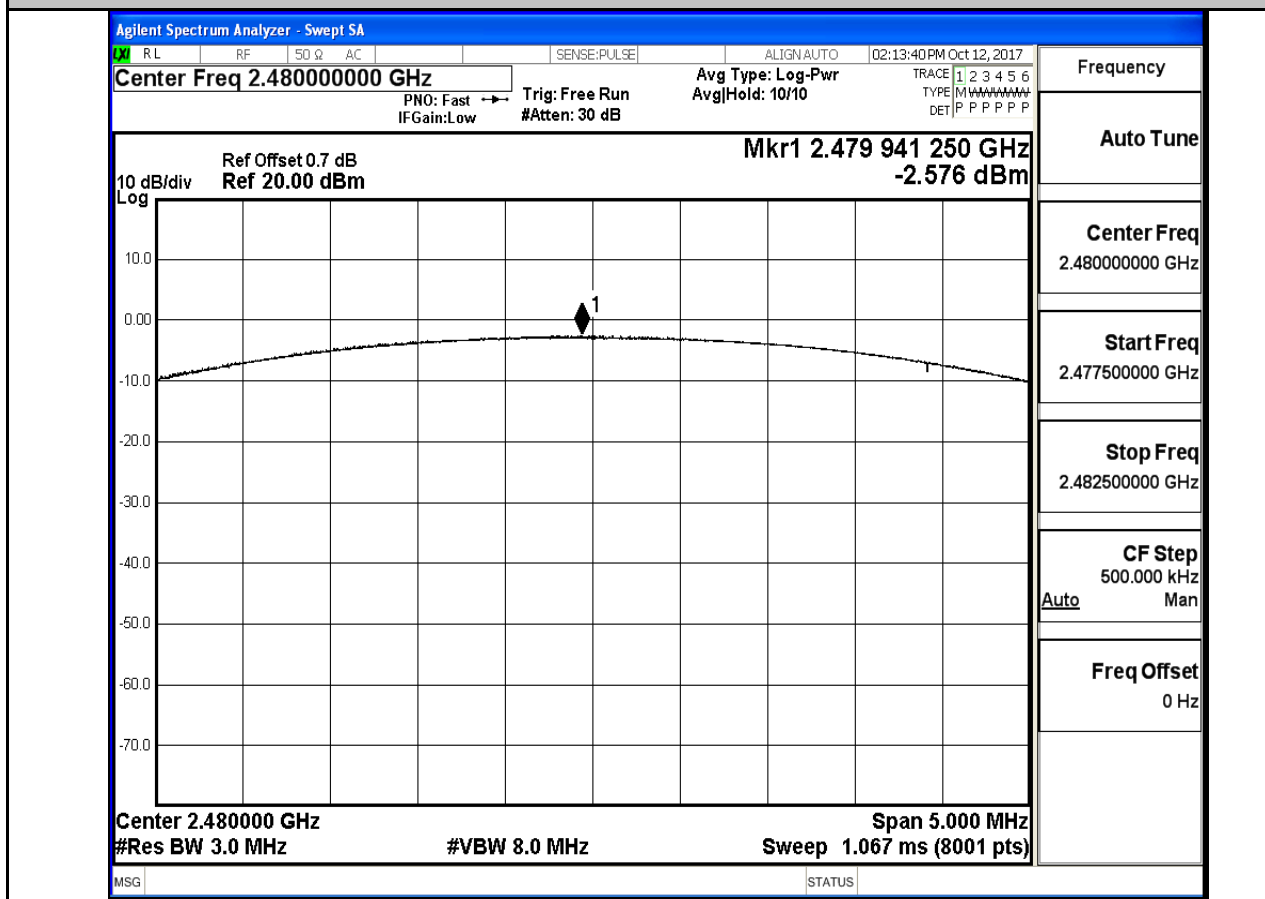
Conducted Peak Output Power_3DH5_2402



Conducted Peak Output Power_3DH5_2441



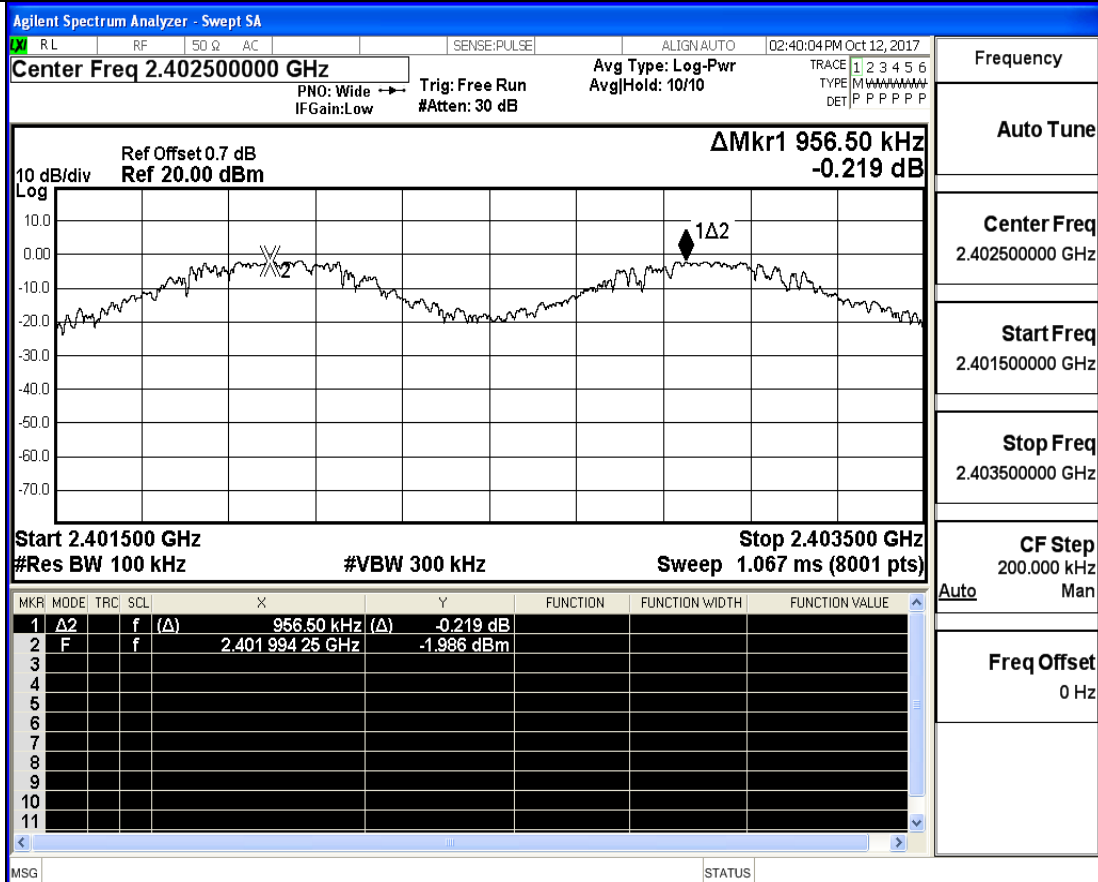
Conducted Peak Output Power_3DH5_2480



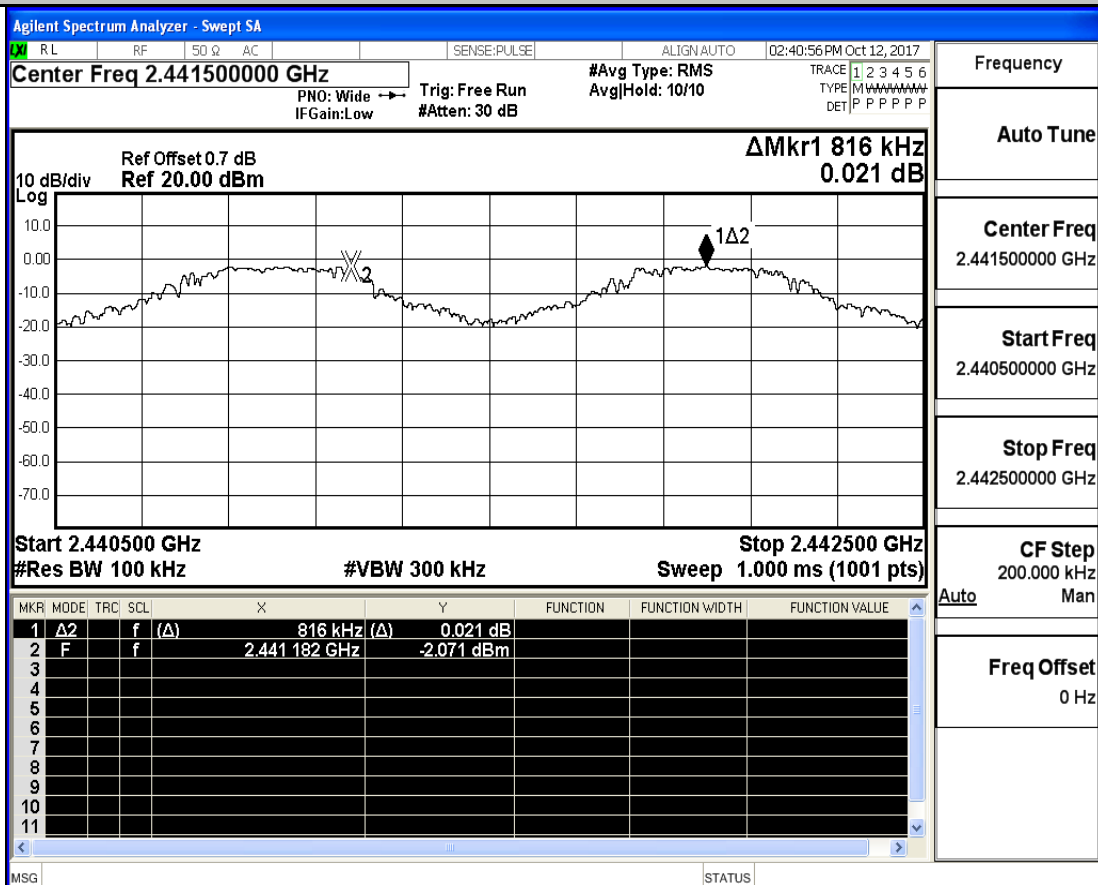
3.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	2402	0.956	0.55	PASS
DH5	2441	0.816	0.55	PASS
DH5	2480	1.046	0.55	PASS
2DH5	2402	1.01	0.75	PASS
2DH5	2441	0.784	0.75	PASS
2DH5	2480	0.866	0.75	PASS
3DH5	2402	1.018	0.76	PASS
3DH5	2441	1.02	0.75	PASS
3DH5	2480	0.942	0.74	PASS

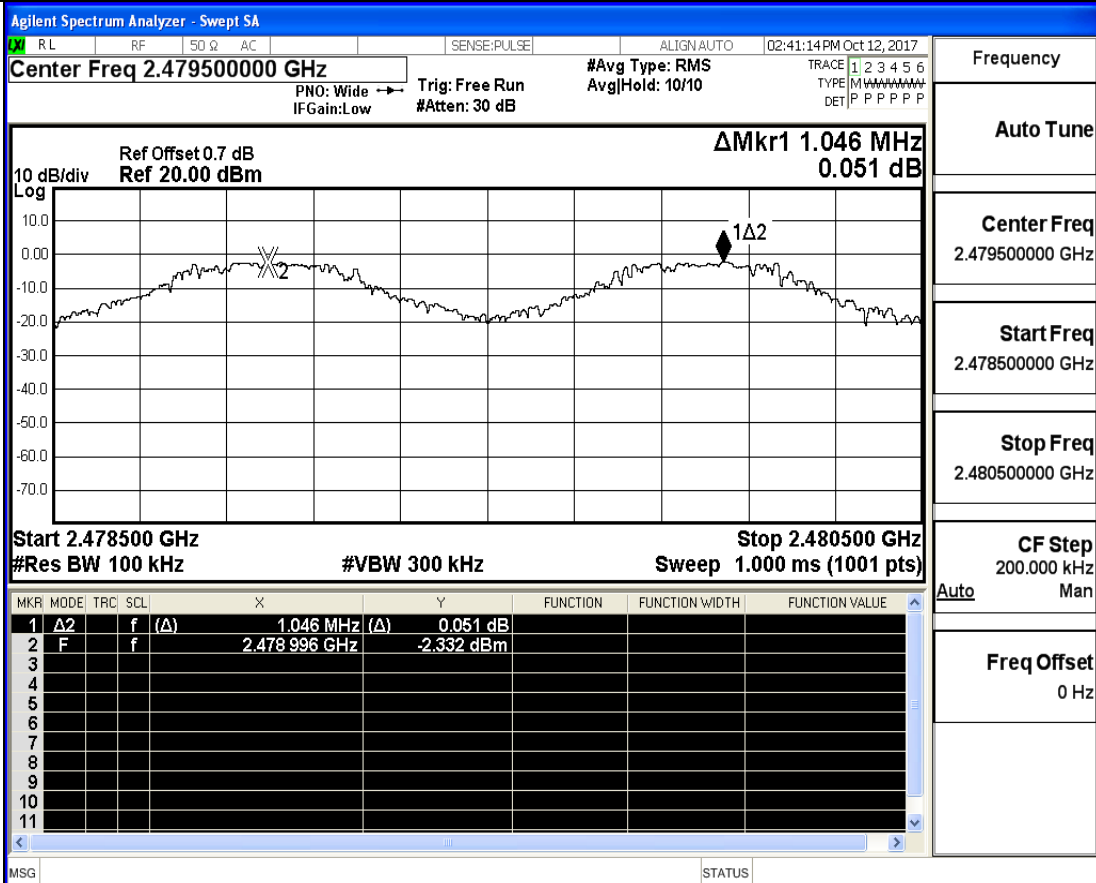
Carrier Frequency Separation_DH5_2402



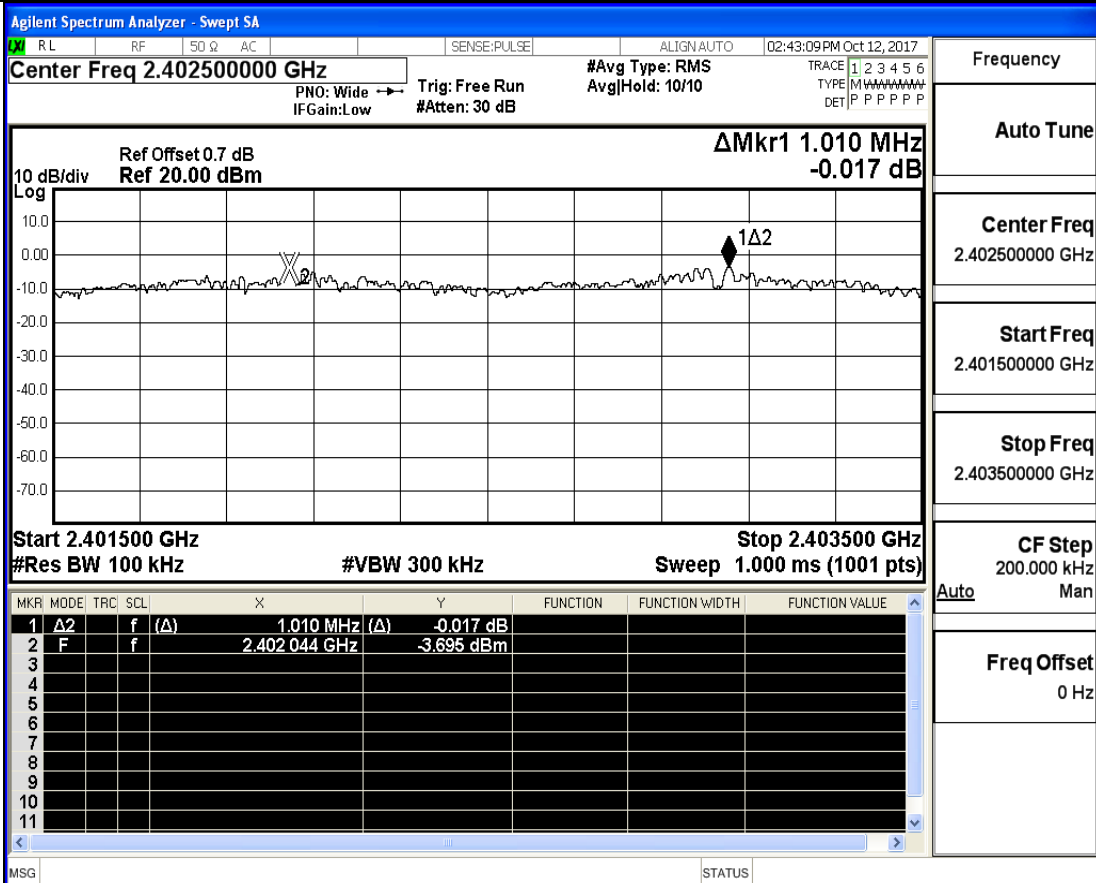
Carrier Frequency Separation_DH5_2441



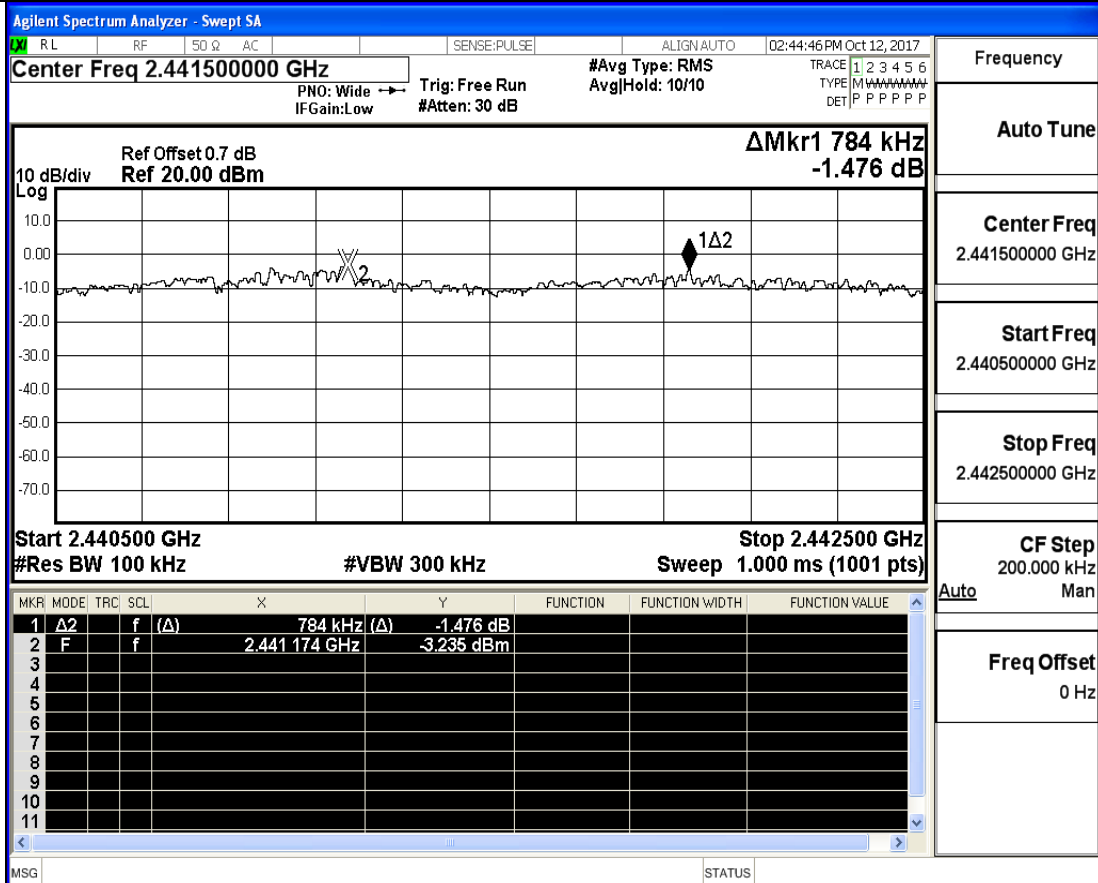
Carrier Frequency Separation_DH5_2480



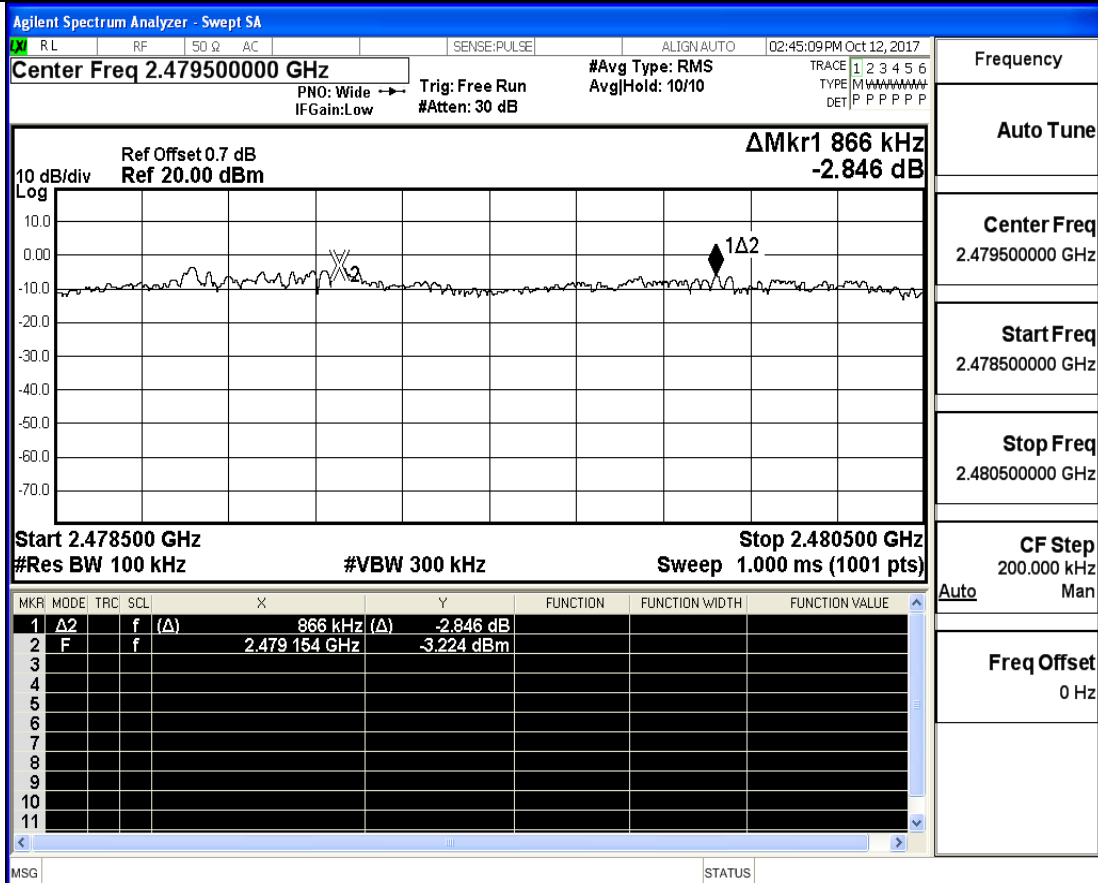
Carrier Frequency Separation_2DH5_2402



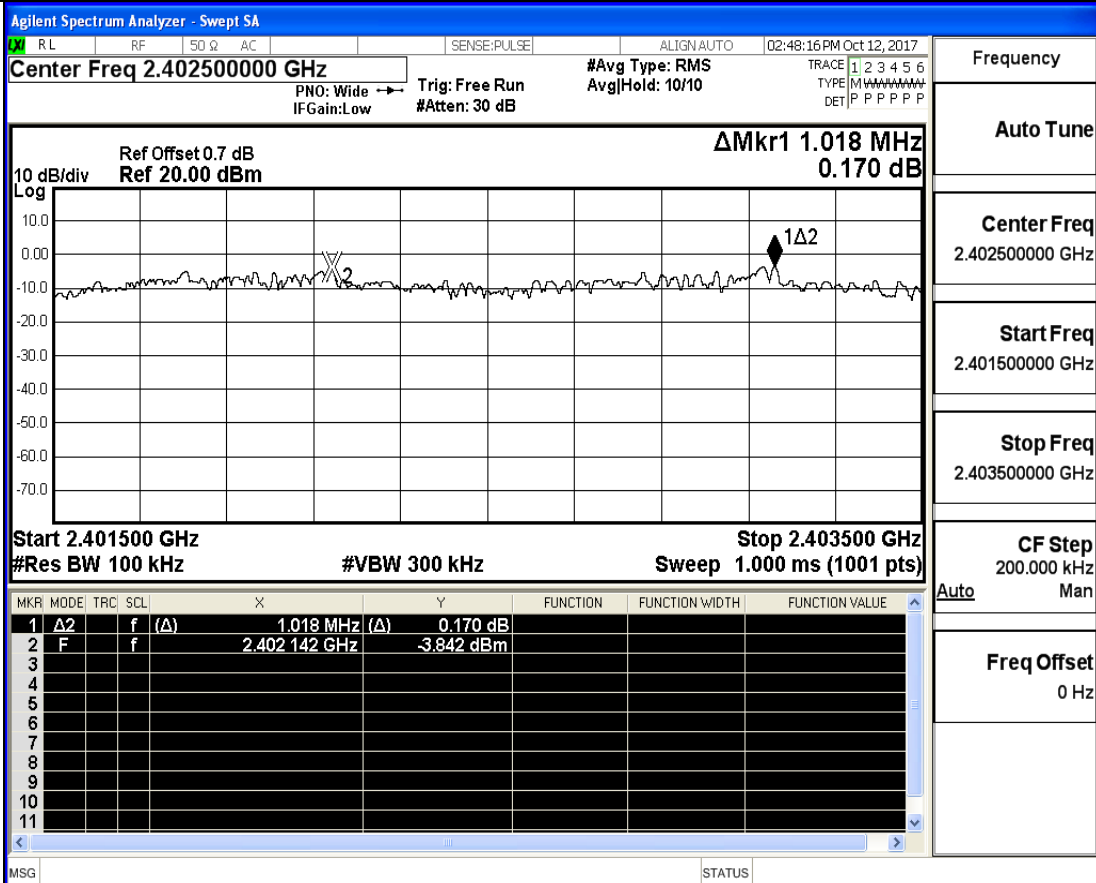
Carrier Frequency Separation_2DH5_2441



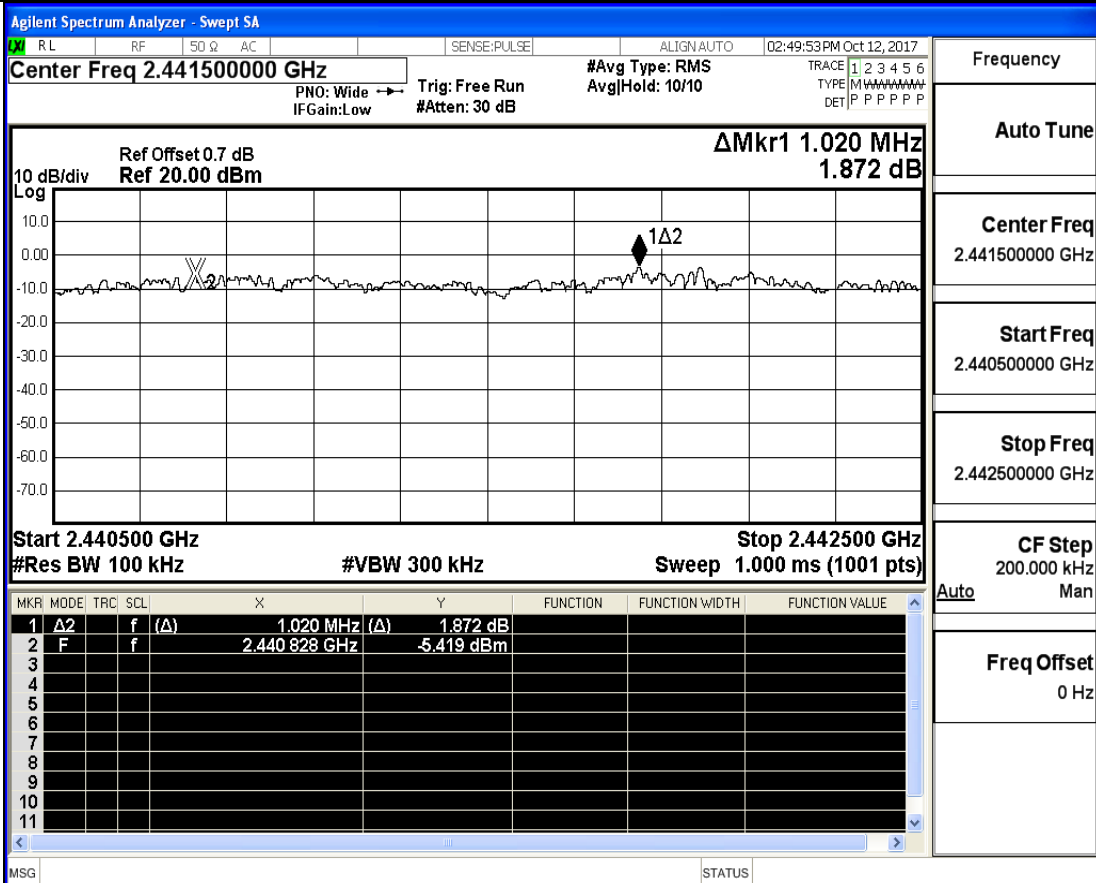
Carrier Frequency Separation_2DH5_2480



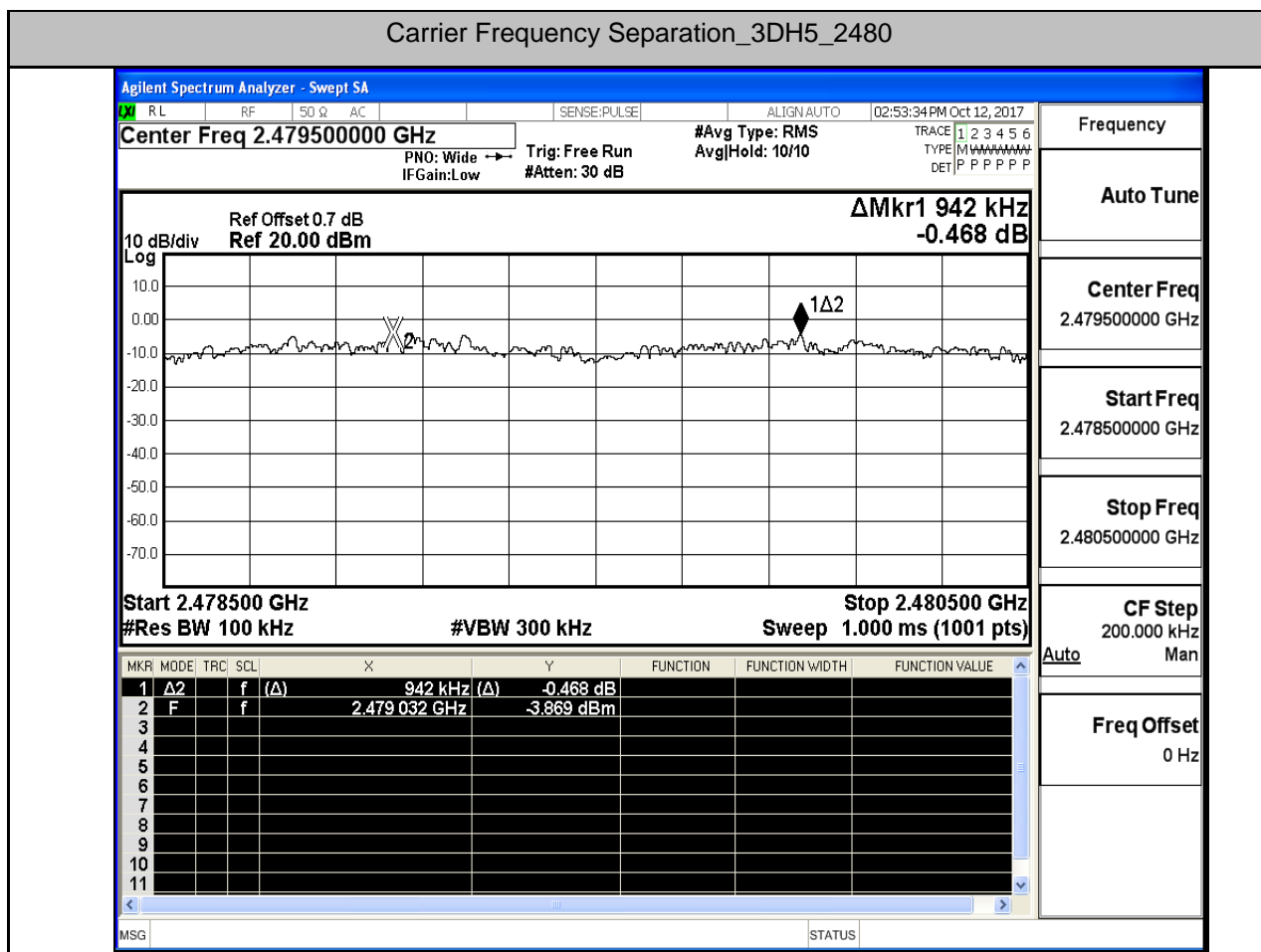
Carrier Frequency Separation_3DH5_2402



Carrier Frequency Separation_3DH5_2441



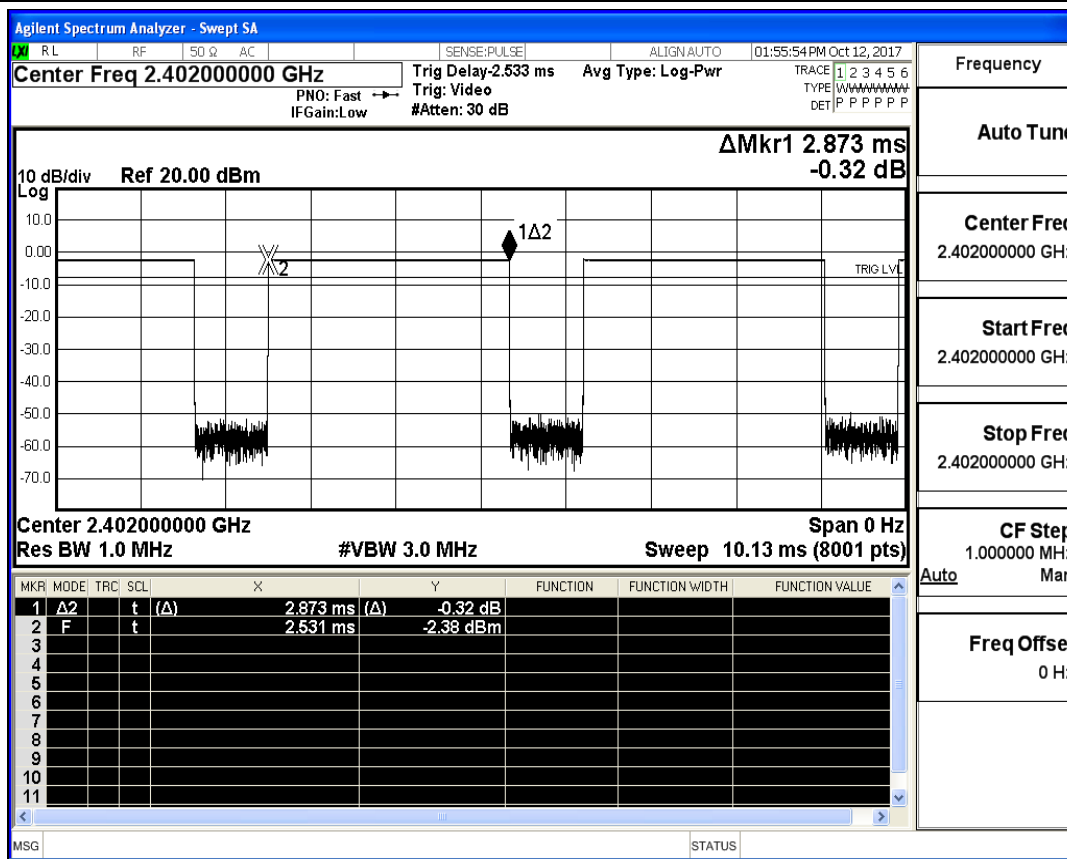
Carrier Frequency Separation_3DH5_2480



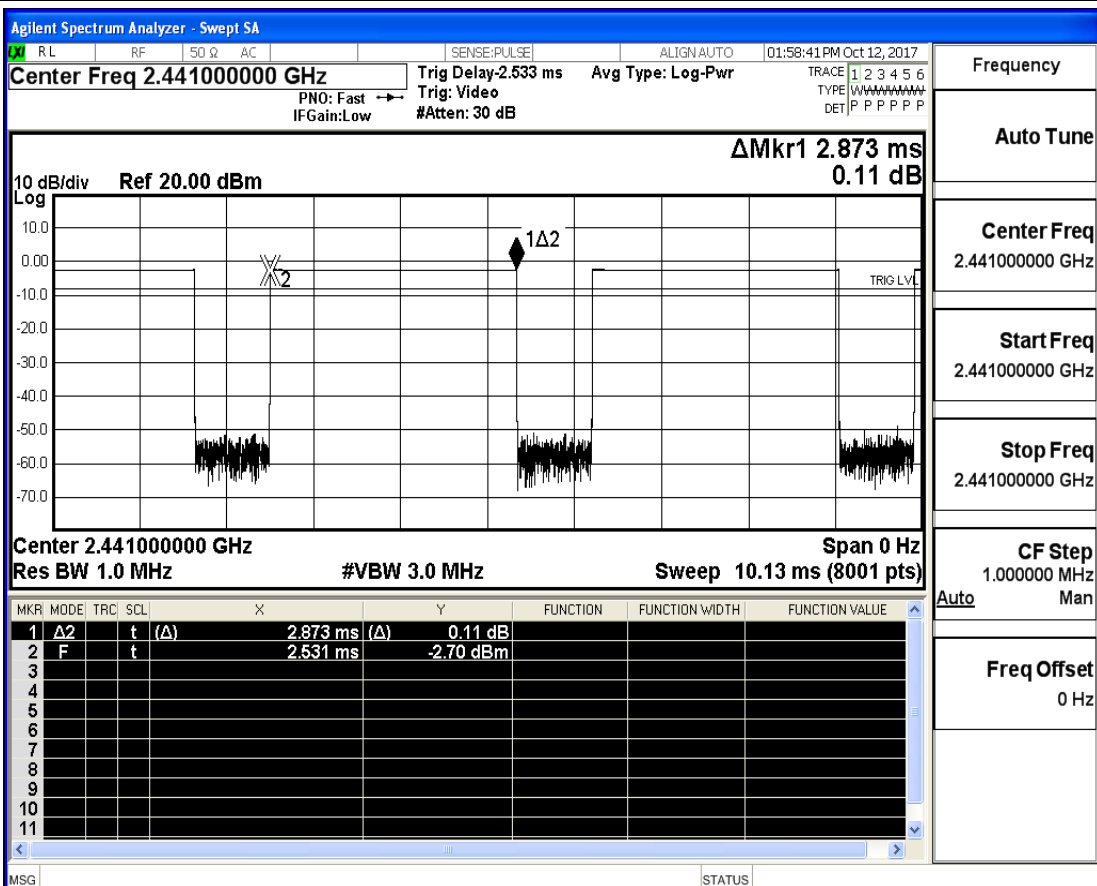
4.Dwell Time

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

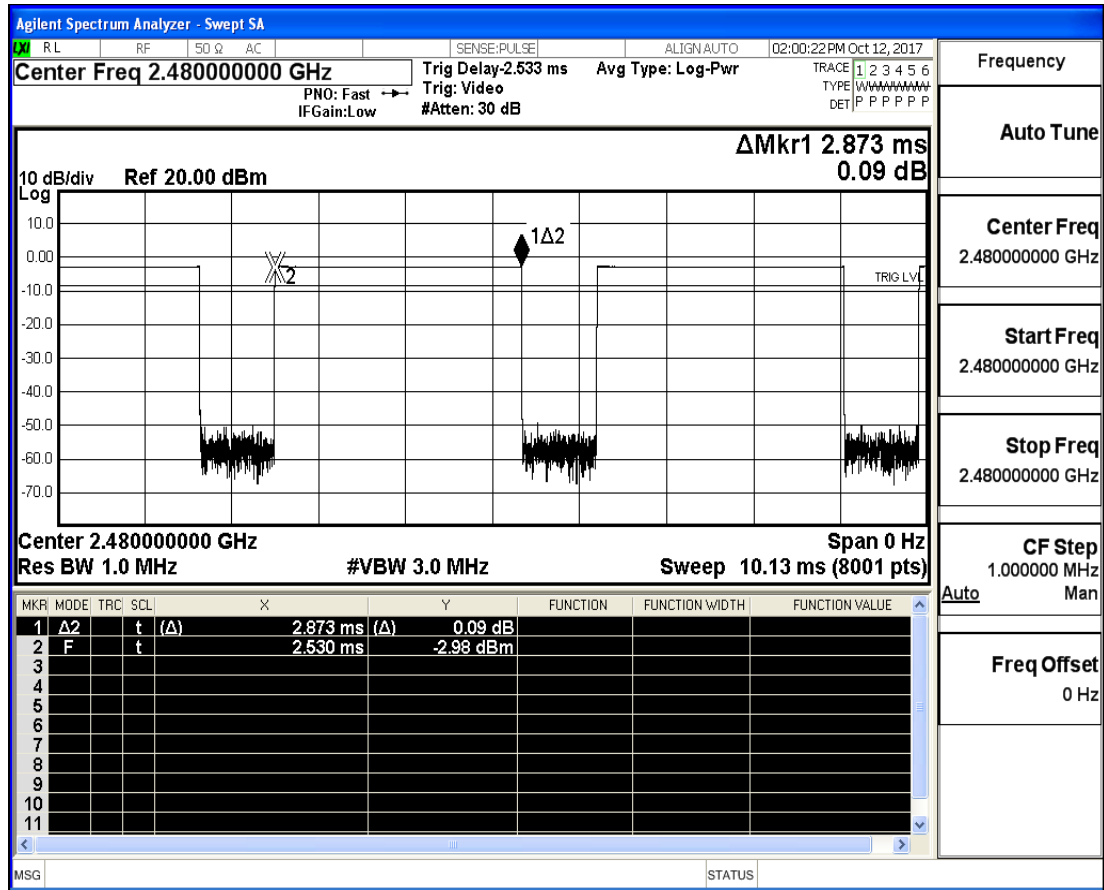
Dwell Time_DH5_2402



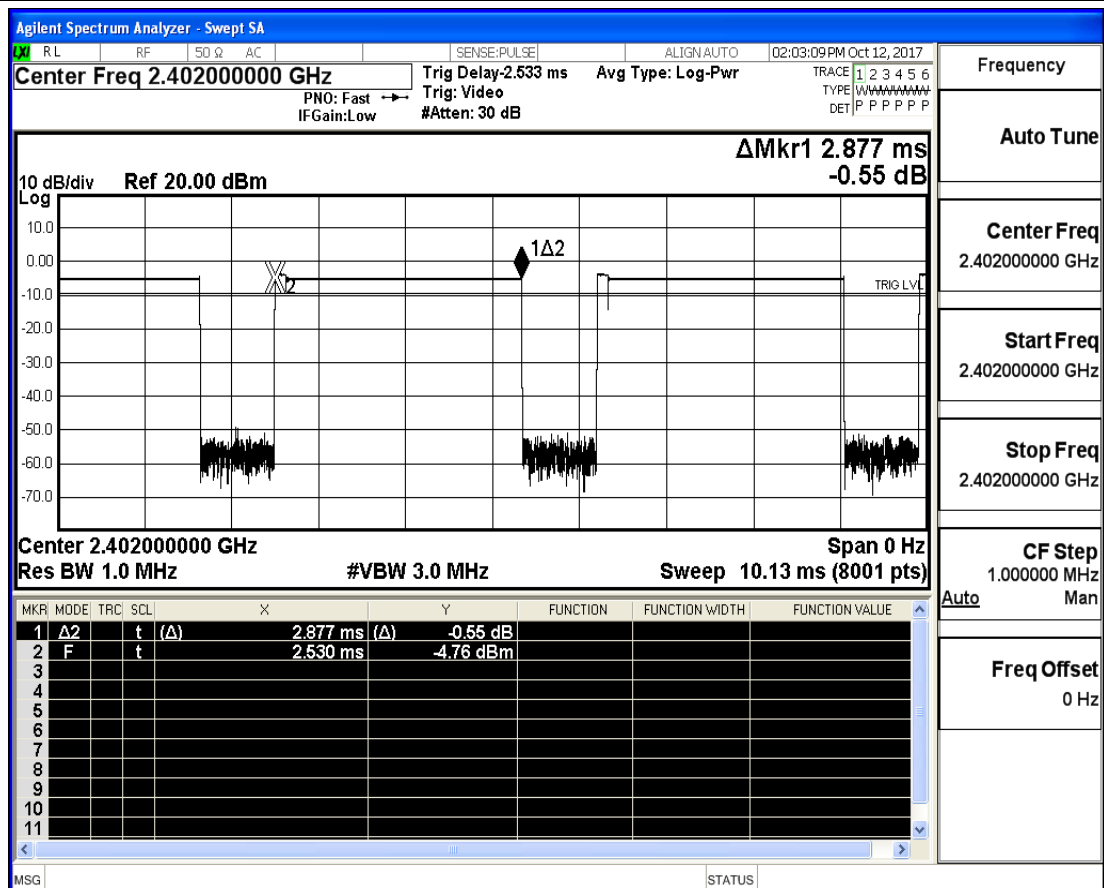
Dwell Time_DH5_2441



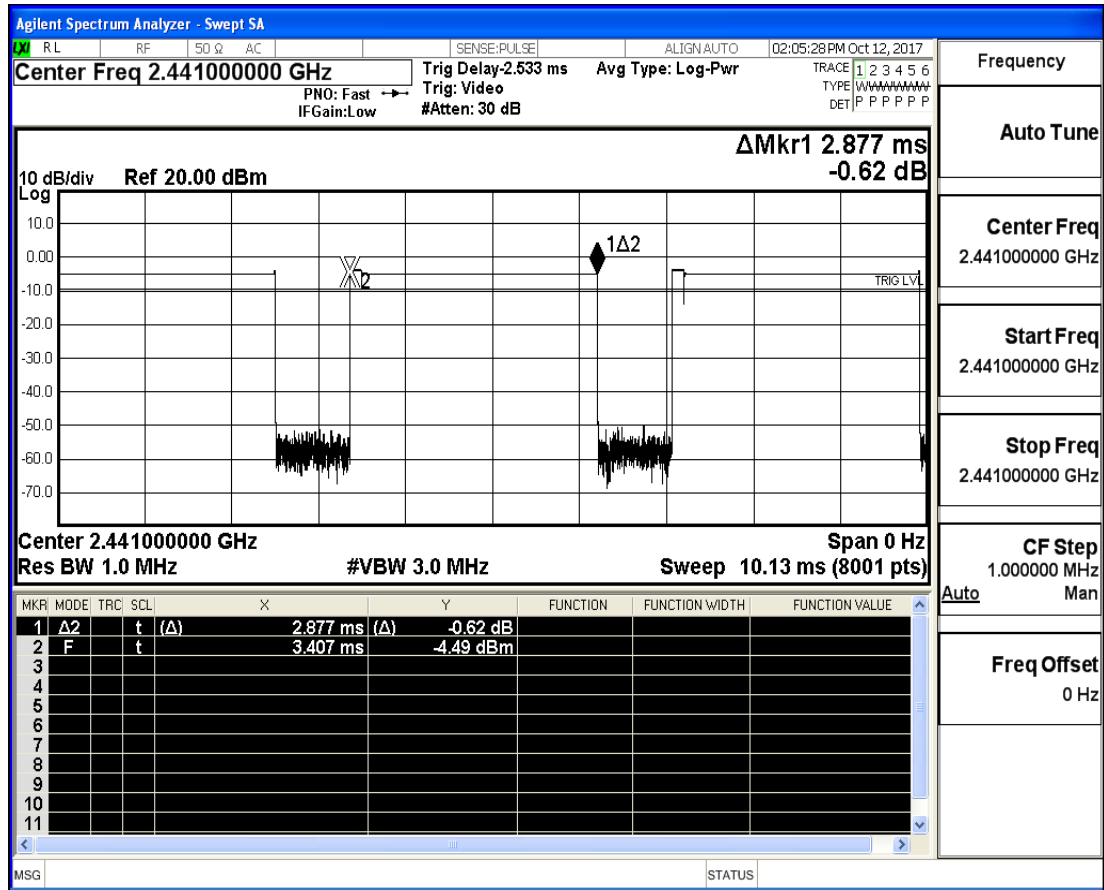
Dwell Time_DH5_2480



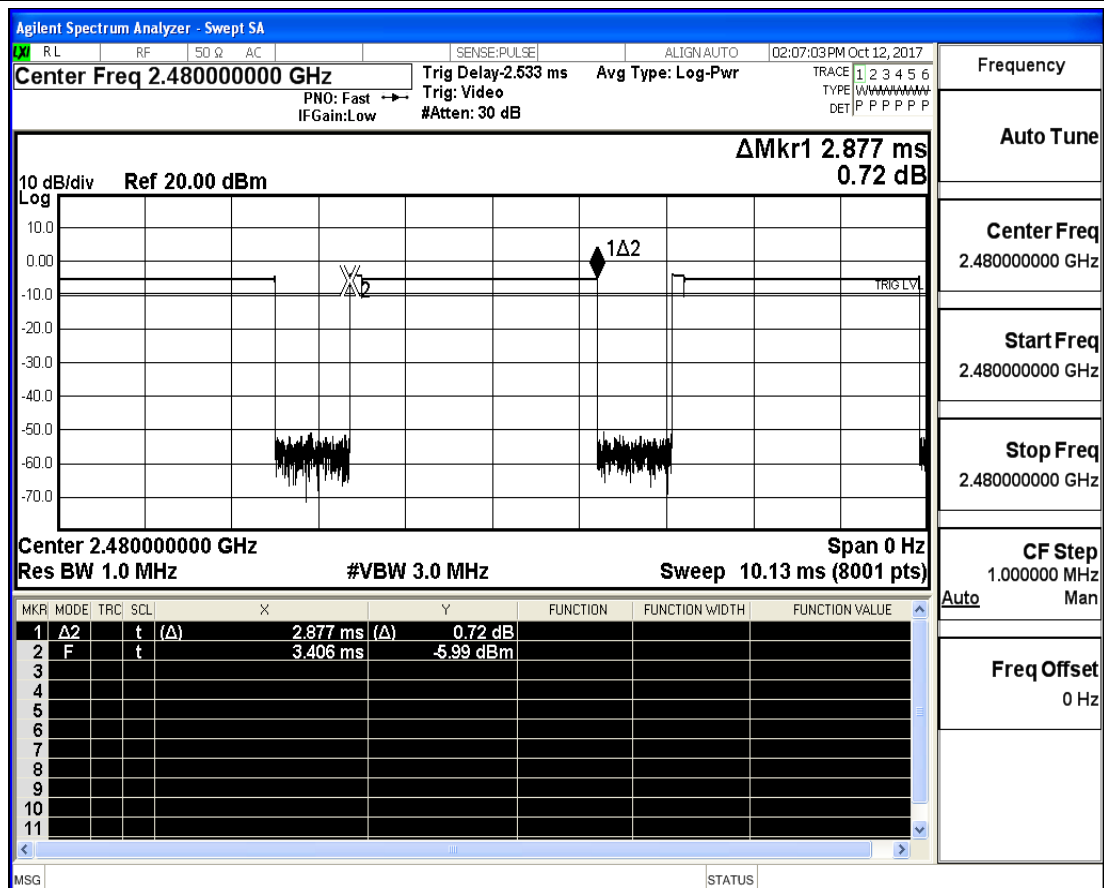
Dwell Time_2DH5_2402



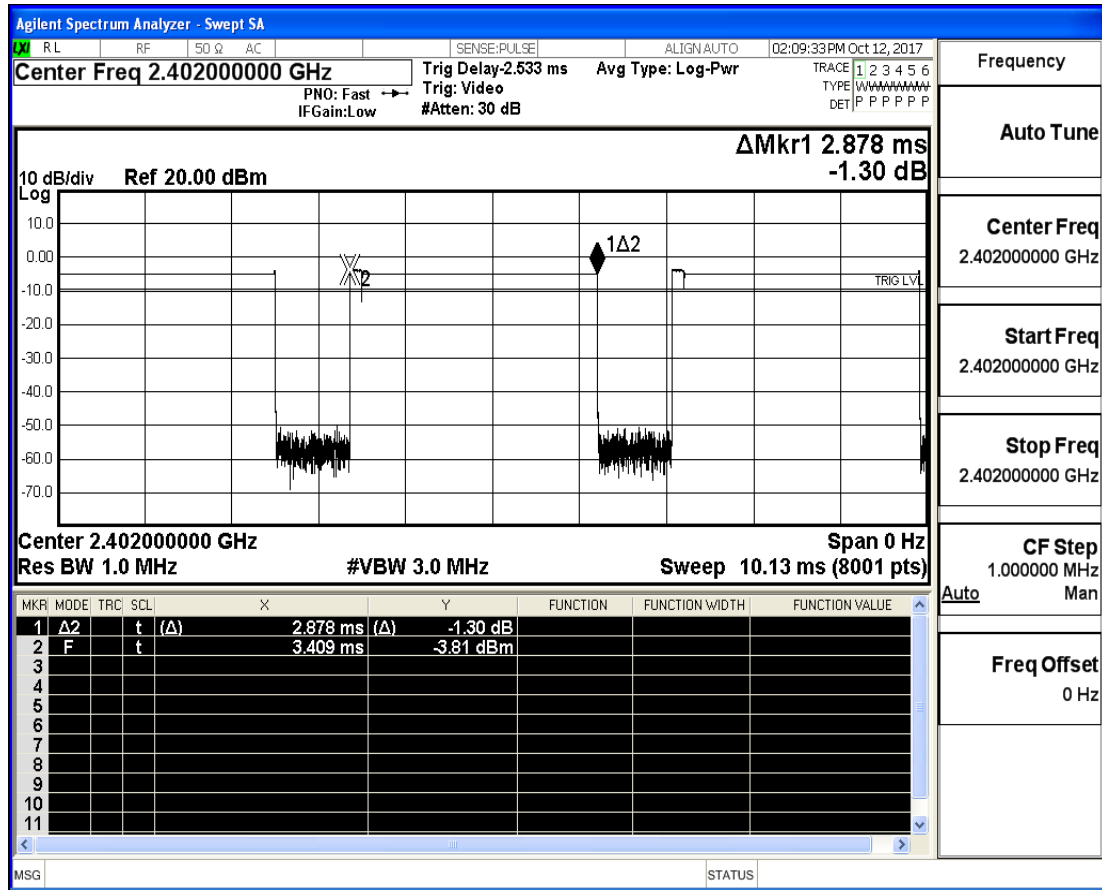
Dwell Time_2DH5_2441



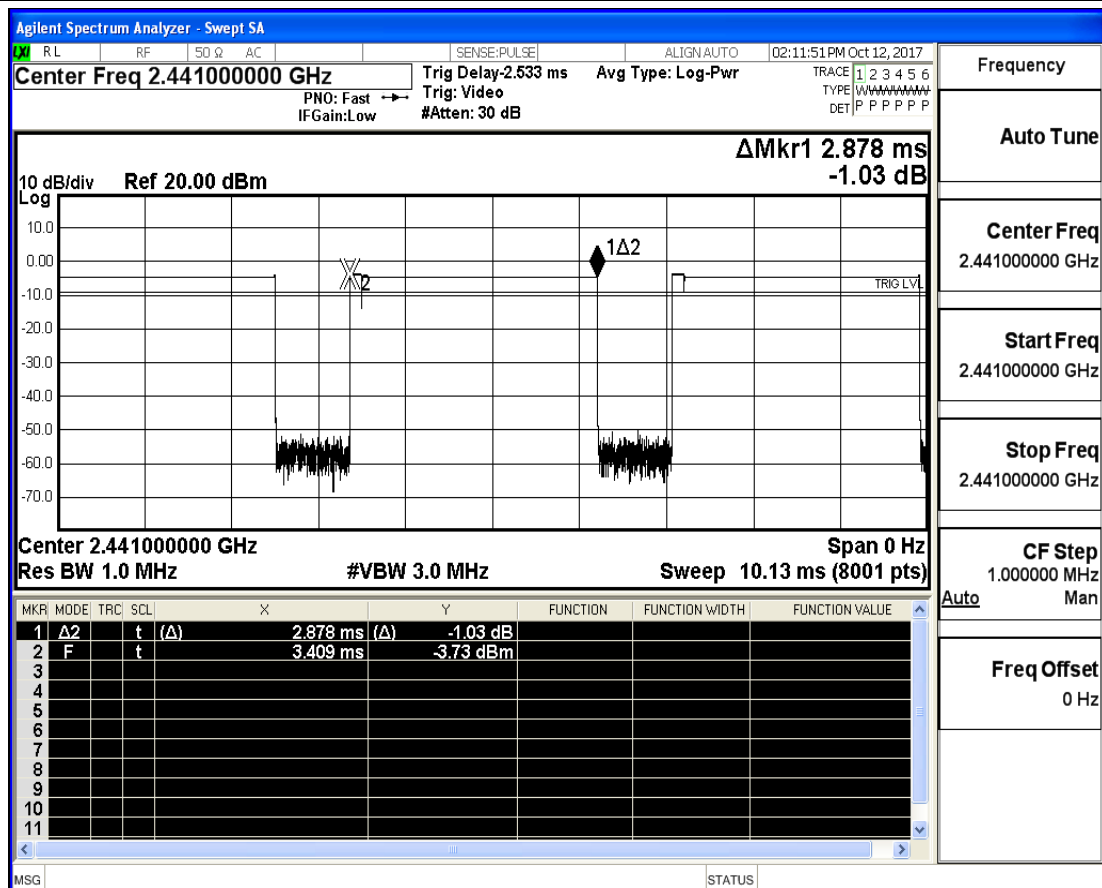
Dwell Time_2DH5_2480



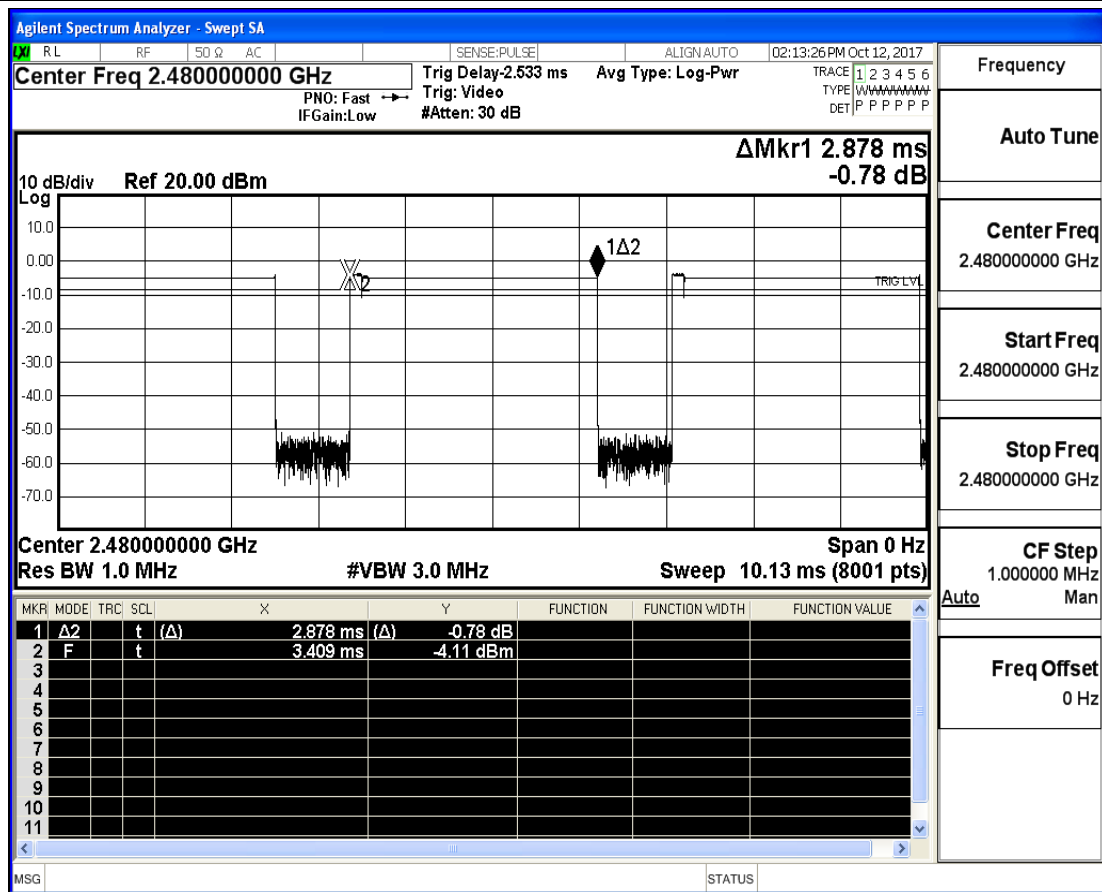
Dwell Time_3DH5_2402



Dwell Time_3DH5_2441



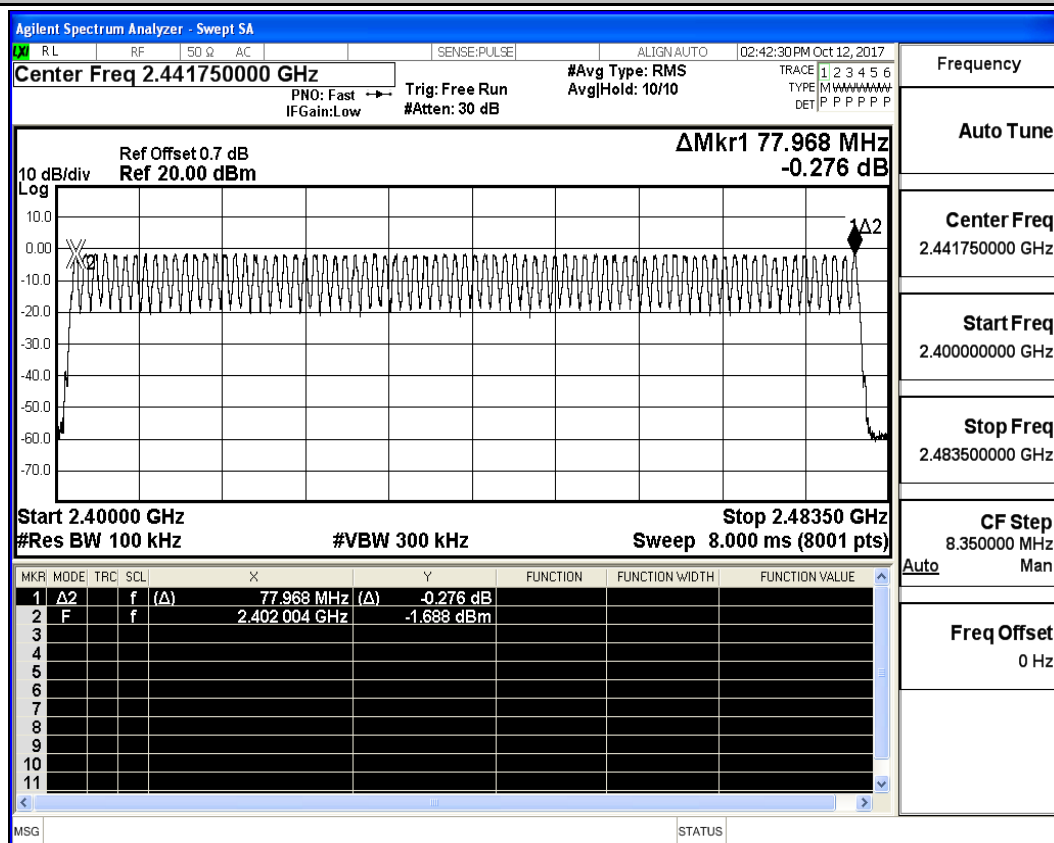
Dwell Time_3DH5_2480



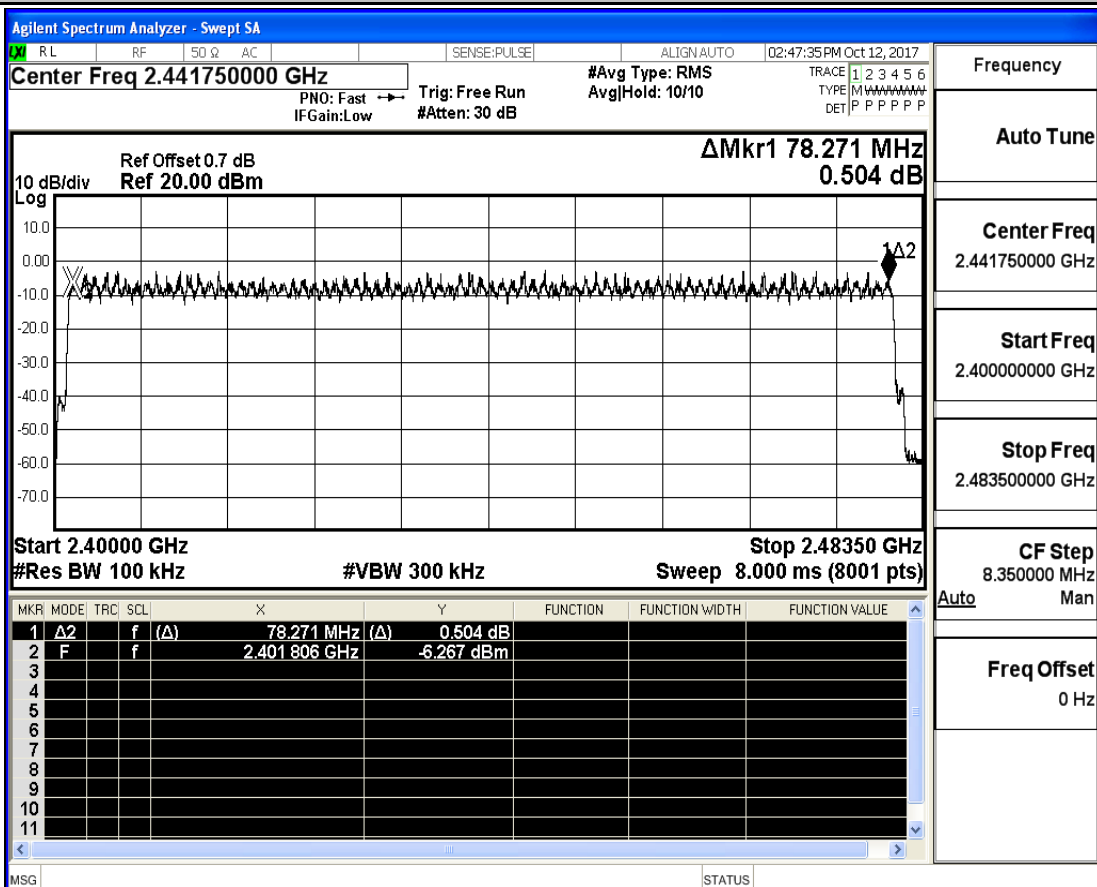
5.Hopping Channel Number

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

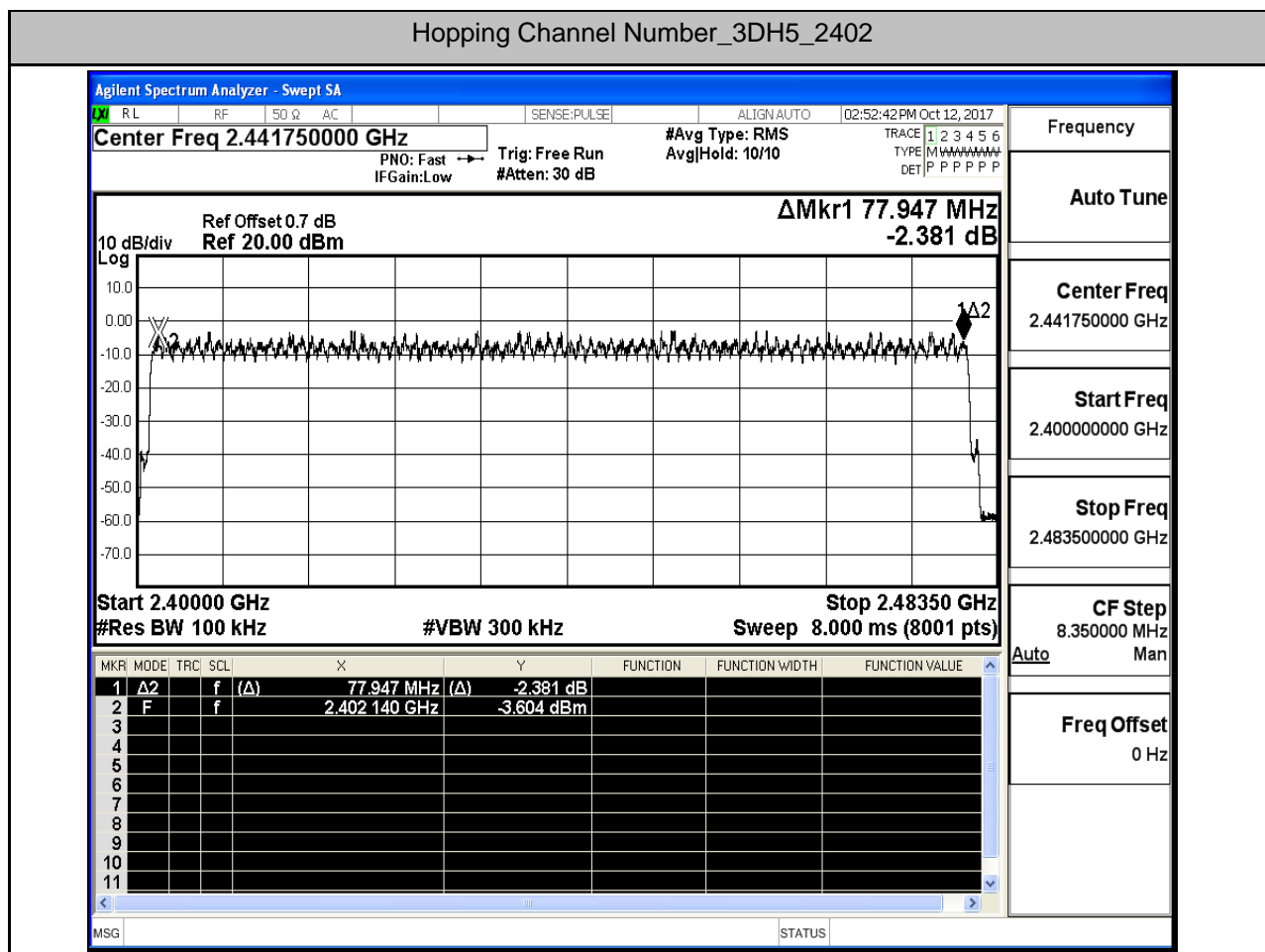
Hopping Channel Number_DH5_2402



Hopping Channel Number_2DH5_2402



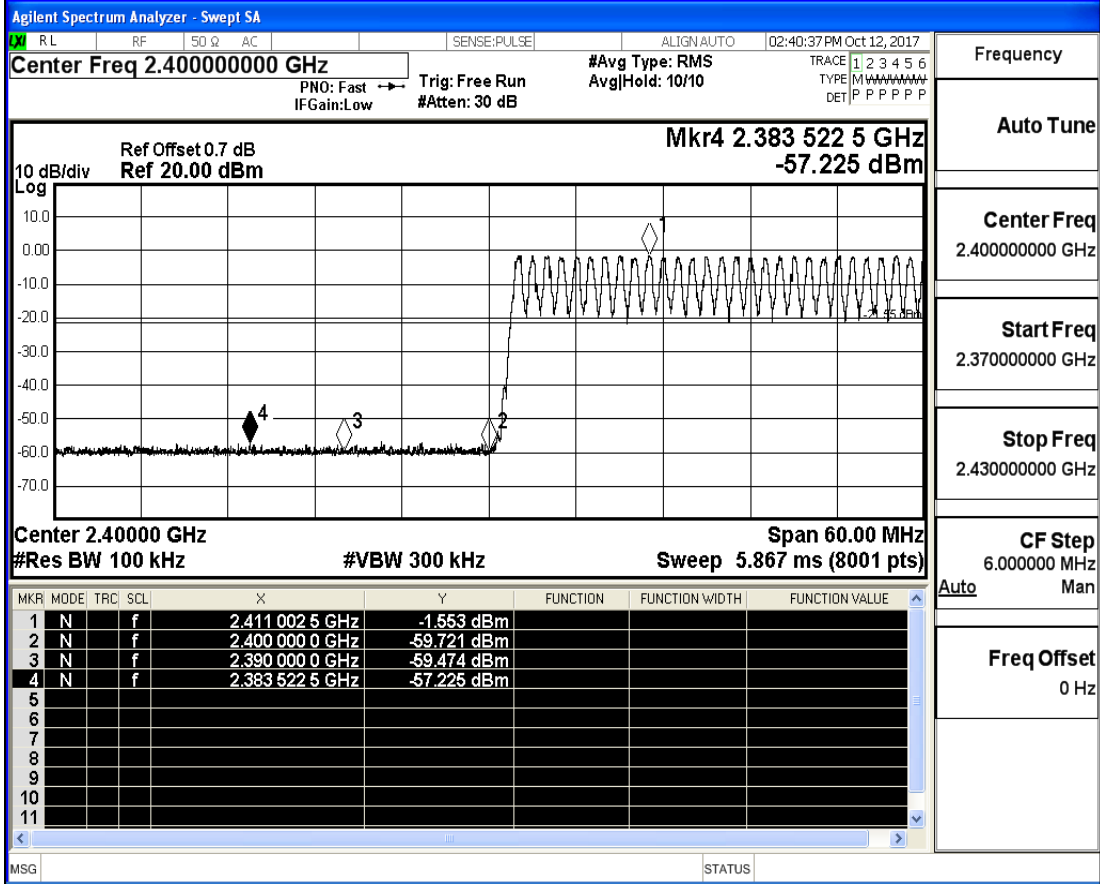
Hopping Channel Number_3DH5_2402



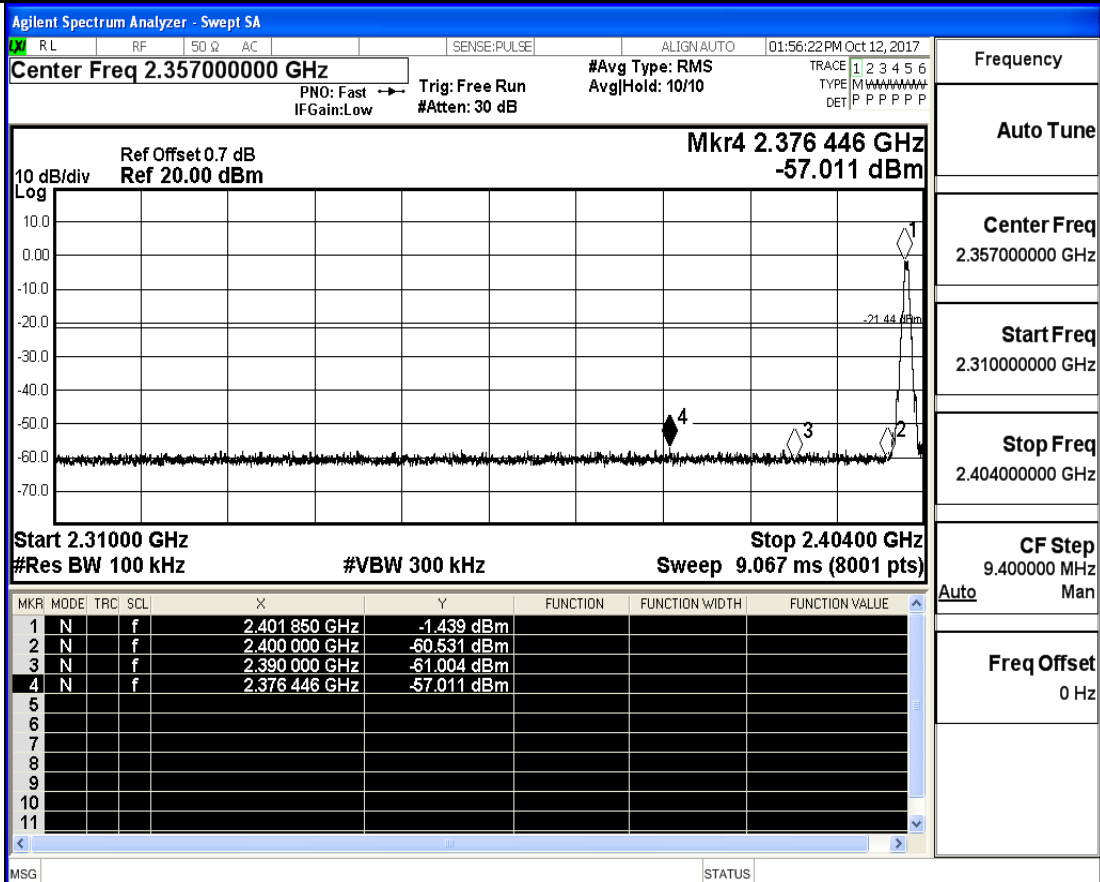
6.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH5	2402	On	-1.553	-57.225	-21.55	PASS
DH5	2402	Off	-1.439	-57.011	-21.44	PASS
DH5	2480	On	-1.499	-56.261	-21.5	PASS
DH5	2480	Off	-1.787	-56.914	-21.79	PASS
2DH5	2402	On	-2.800	-56.884	-22.8	PASS
2DH5	2402	Off	-3.545	-57.538	-23.55	PASS
2DH5	2480	On	-2.981	-56.350	-22.98	PASS
2DH5	2480	Off	-3.372	-56.880	-23.37	PASS
3DH5	2402	On	-2.882	-57.128	-22.88	PASS
3DH5	2402	Off	-3.134	-57.203	-23.13	PASS
3DH5	2480	On	-2.973	-56.294	-22.97	PASS
3DH5	2480	Off	-3.883	-57.414	-23.88	PASS

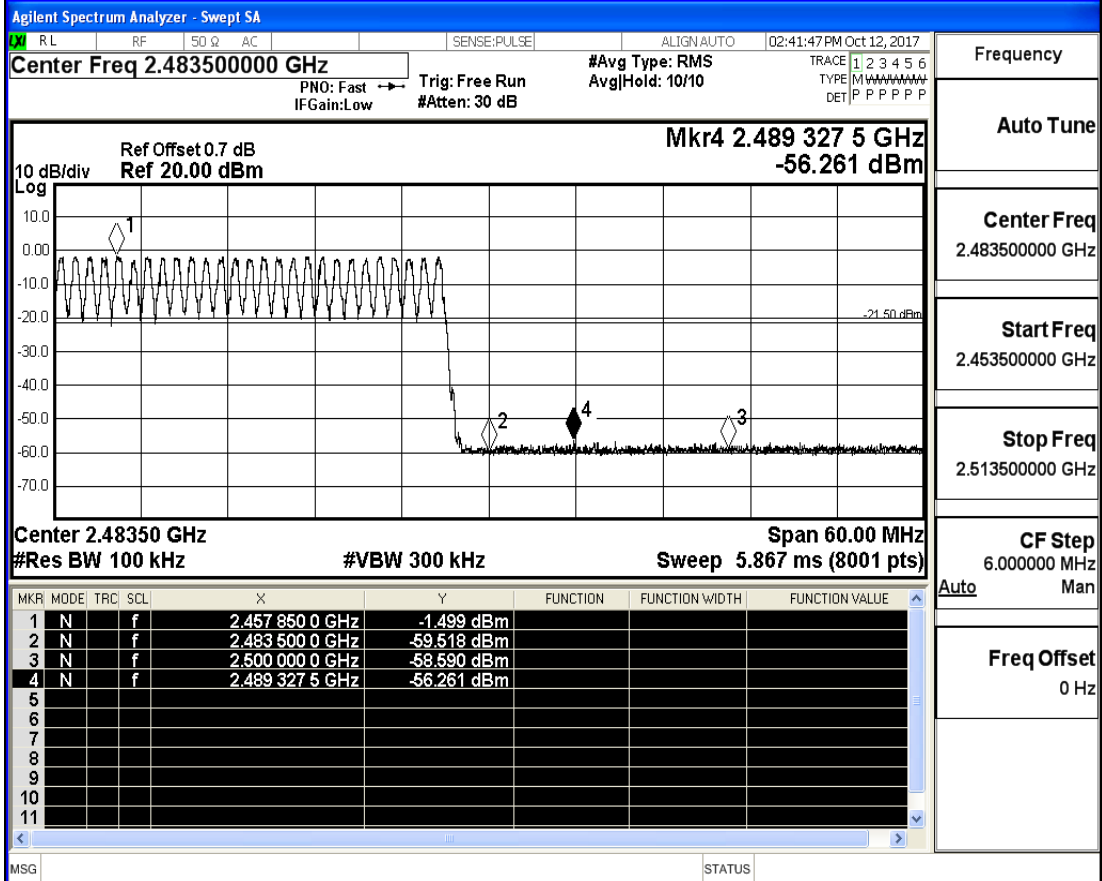
Band-edge for RF Conducted Emissions_DH5_2402_Hopping On



Band-edge for RF Conducted Emissions_DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_DH5_2480_Hopping On



Frequency

Auto Tune

Center Freq
2.483500000 GHz

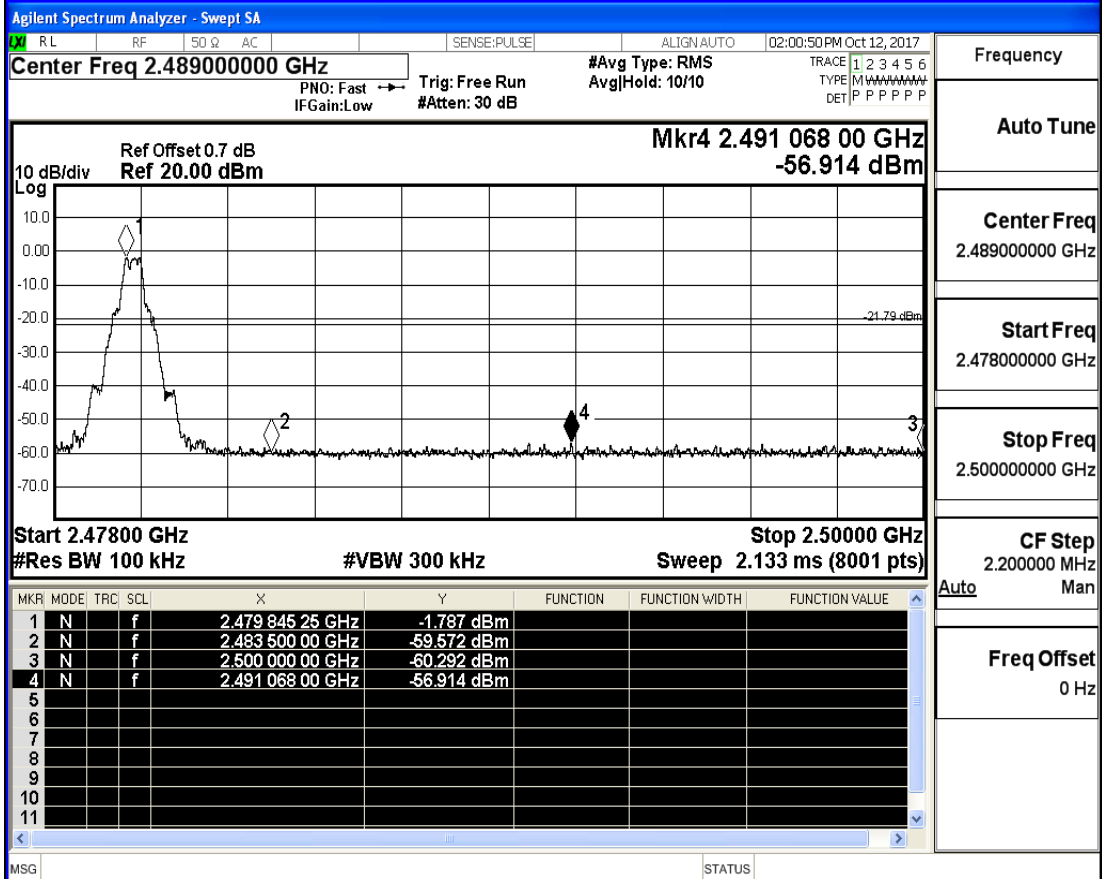
Start Freq
2.453500000 GHz

Stop Freq
2.513500000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_DH5_2480_Hopping Off



Frequency

Auto Tune

Center Freq
2.489000000 GHz

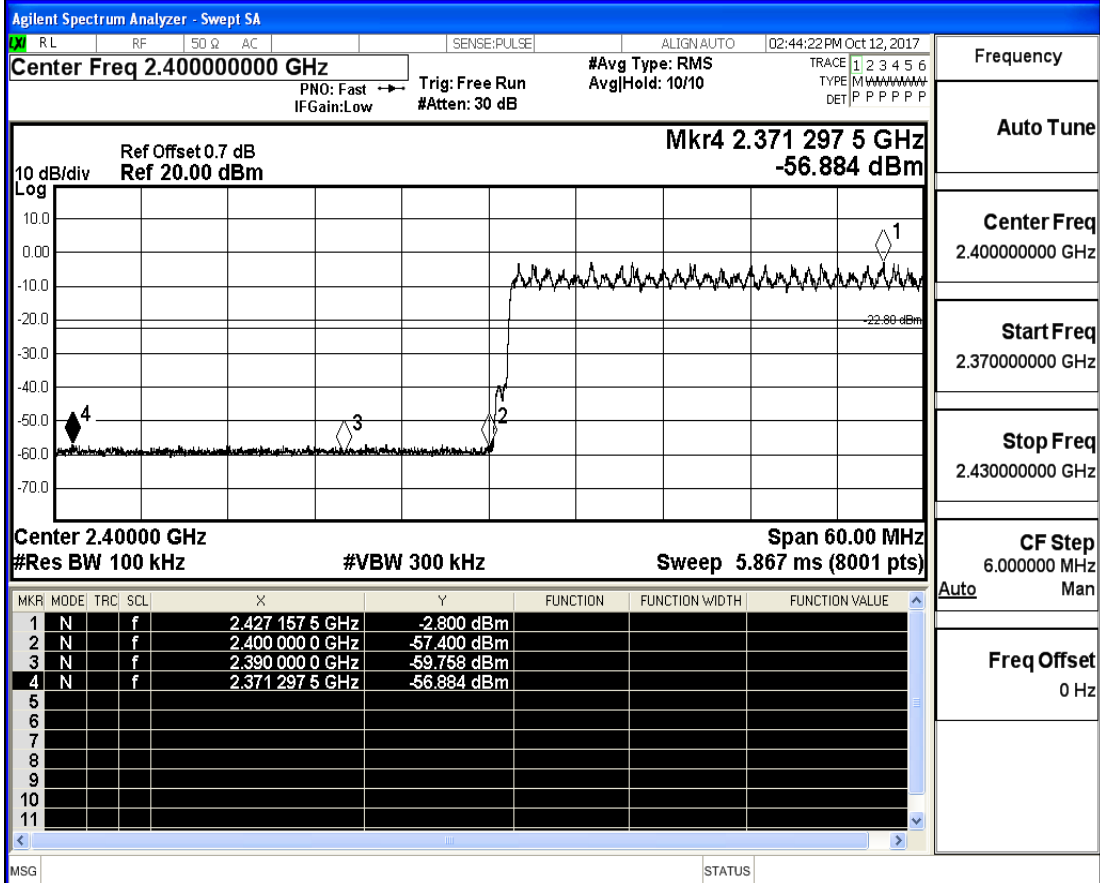
Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

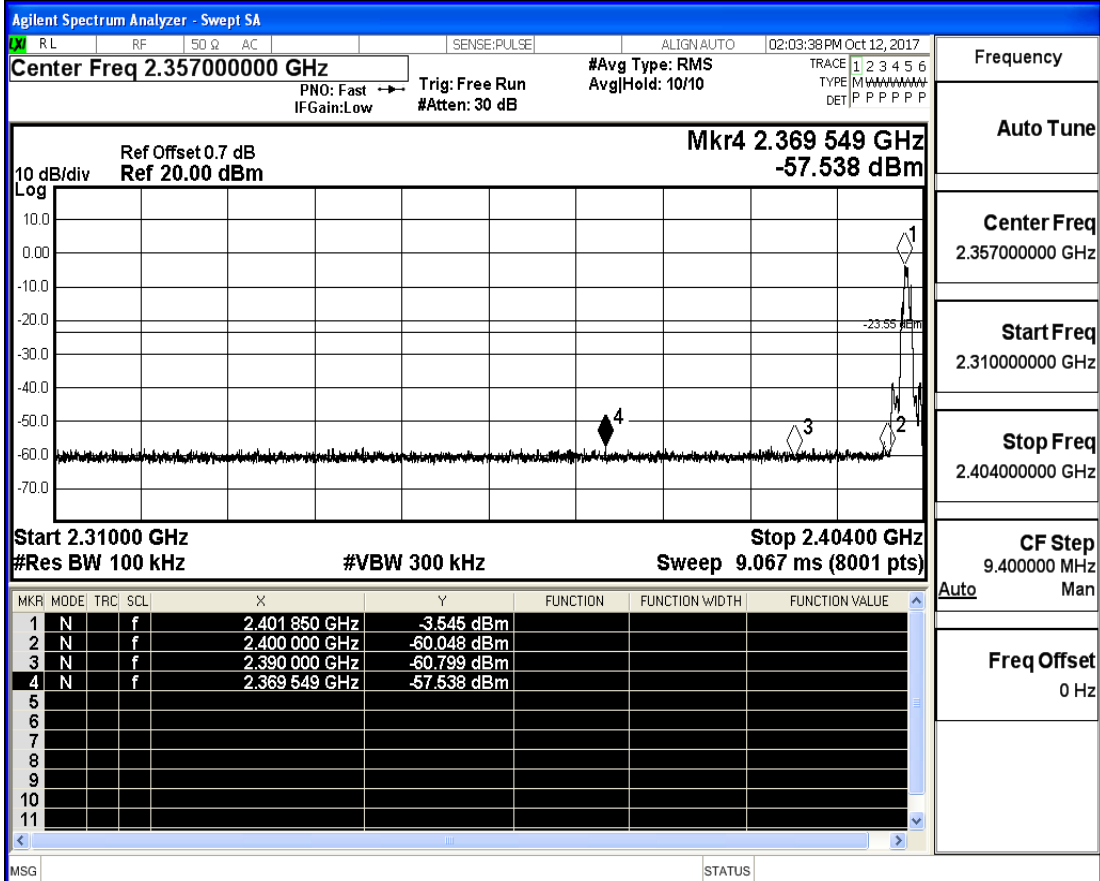
CF Step
2.200000 MHz
Auto Man

Freq Offset
0 Hz

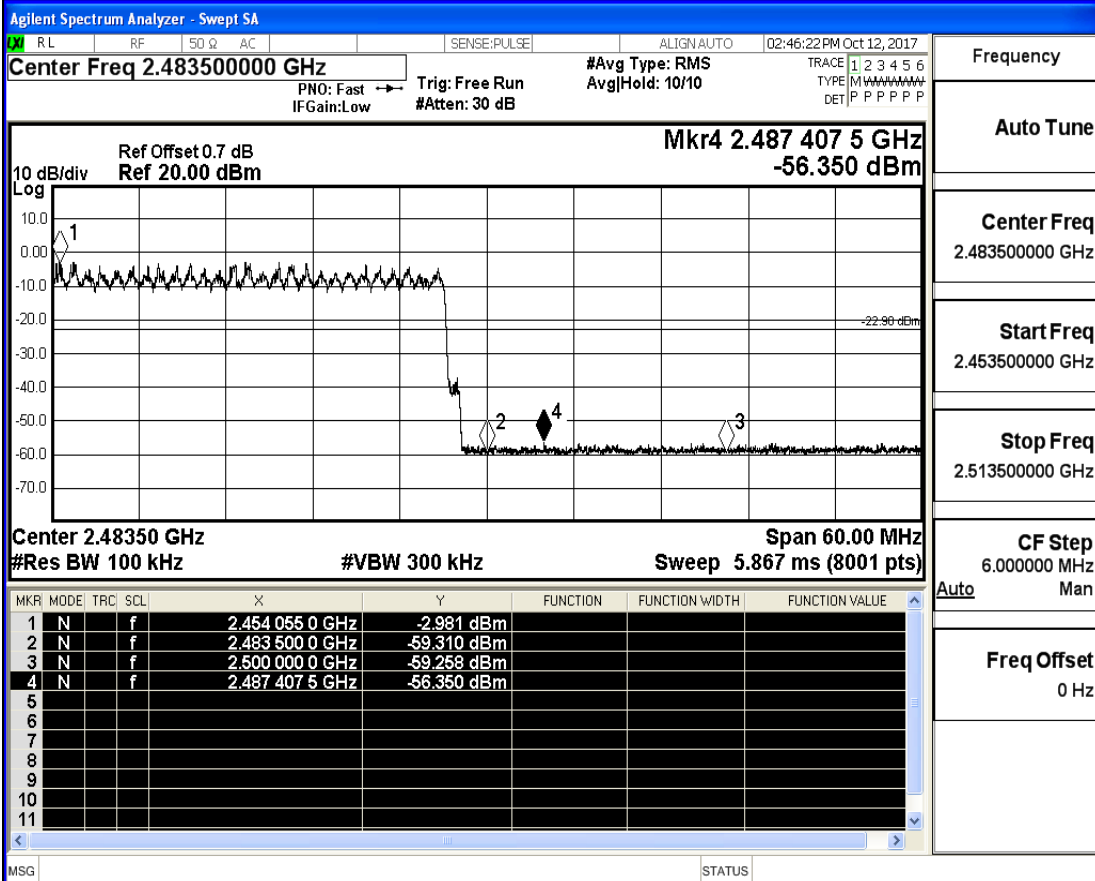
Band-edge for RF Conducted Emissions_2DH5_2402_Hopping On



Band-edge for RF Conducted Emissions_2DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_2DH5_2480_Hopping On



Frequency

Auto Tune

Center Freq
2.483500000 GHz

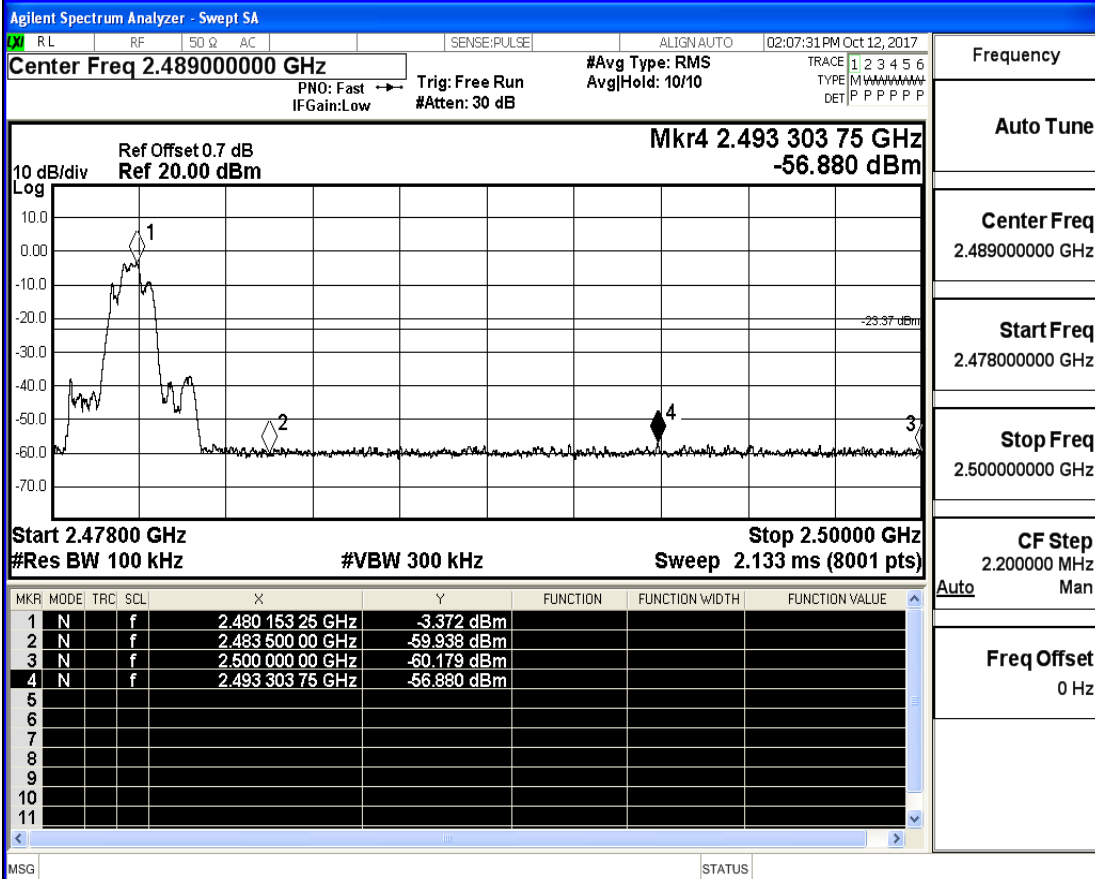
Start Freq
2.453500000 GHz

Stop Freq
2.513500000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_2DH5_2480_Hopping Off



Frequency

Auto Tune

Center Freq
2.489000000 GHz

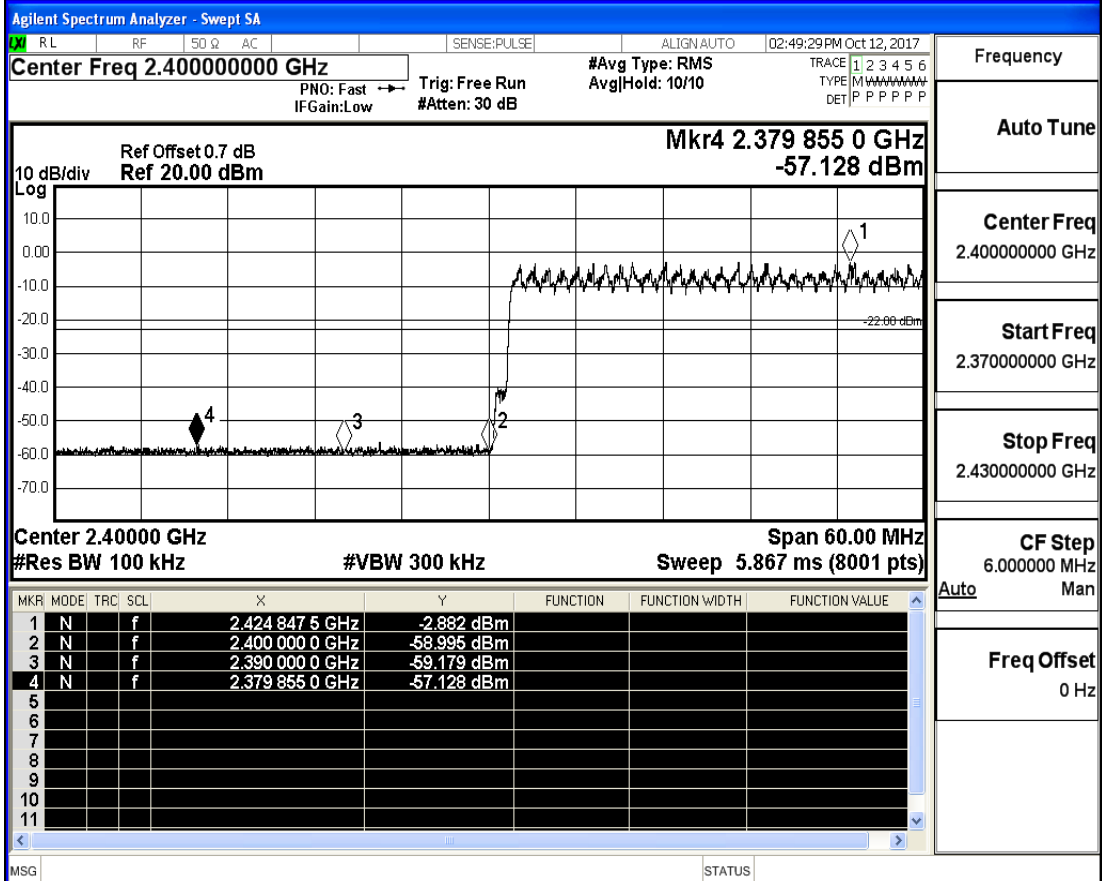
Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

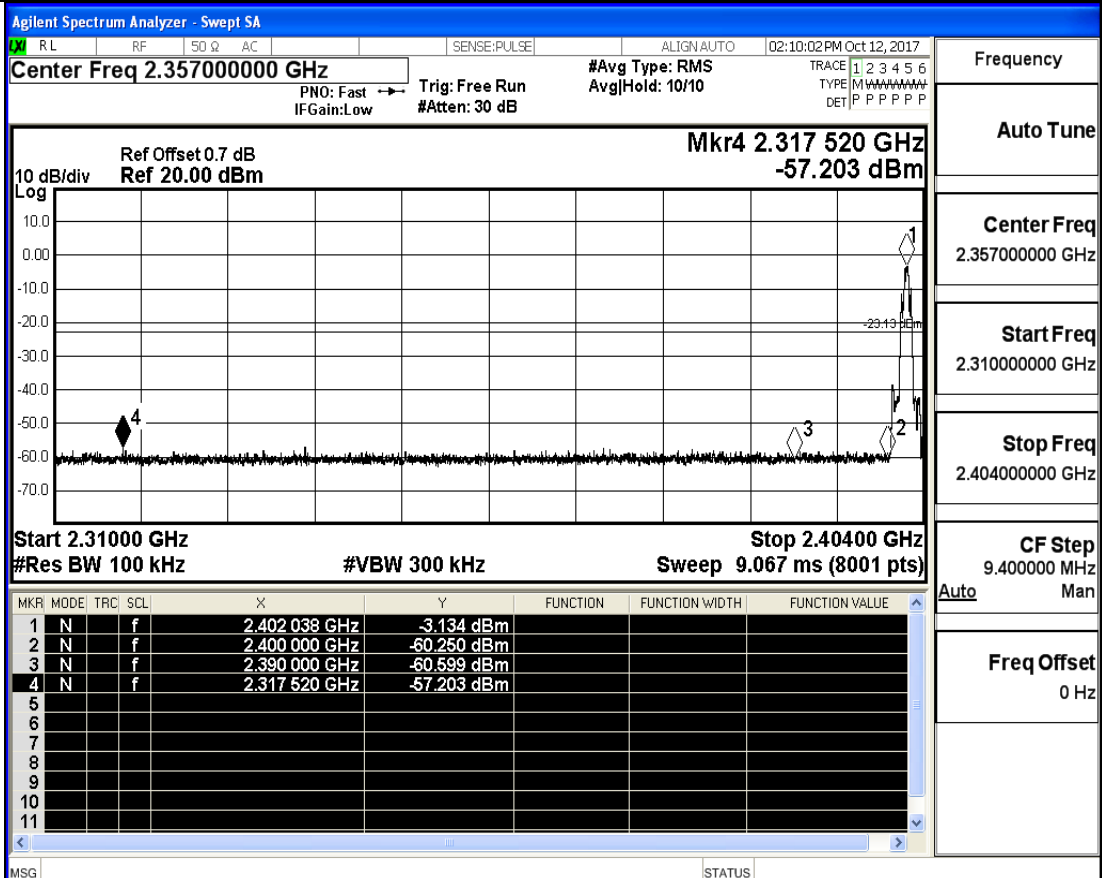
CF Step
2.200000 MHz
Auto Man

Freq Offset
0 Hz

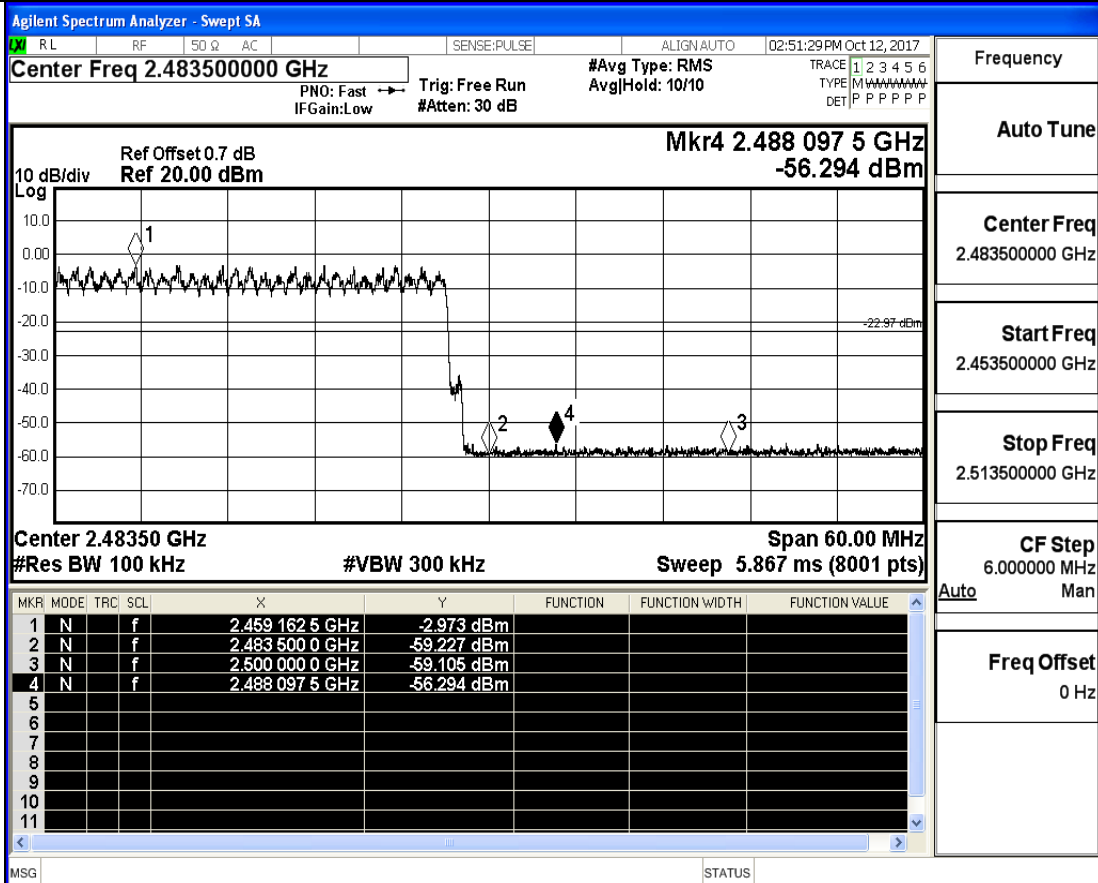
Band-edge for RF Conducted Emissions_3DH5_2402_Hopping On



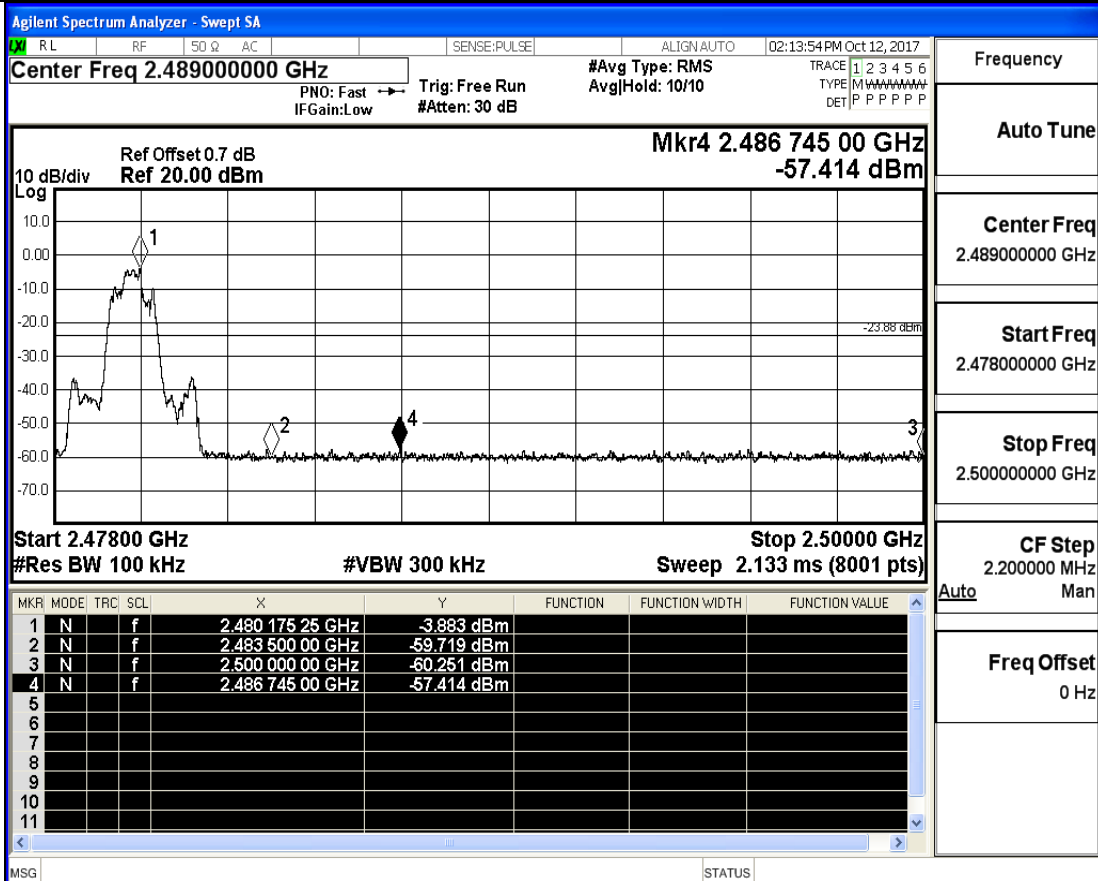
Band-edge for RF Conducted Emissions_3DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions 3DH5 2480 Hopping On



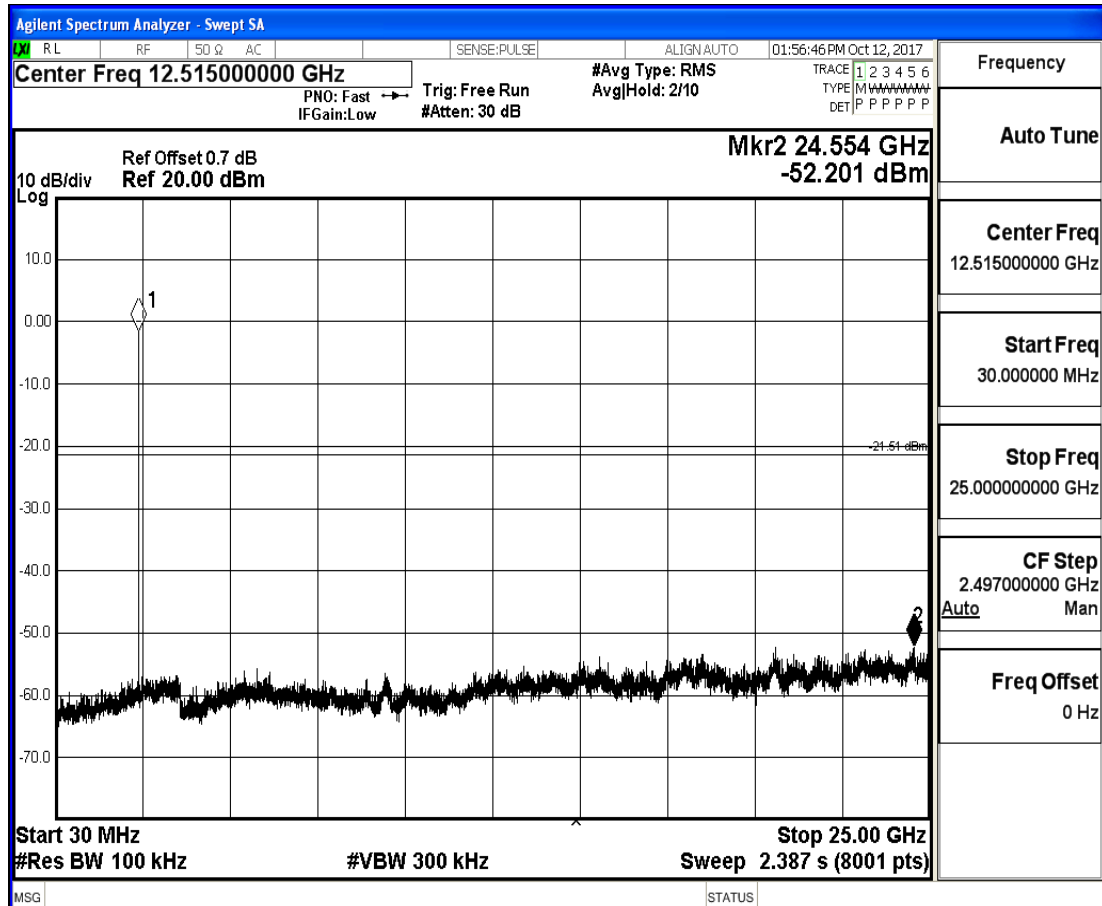
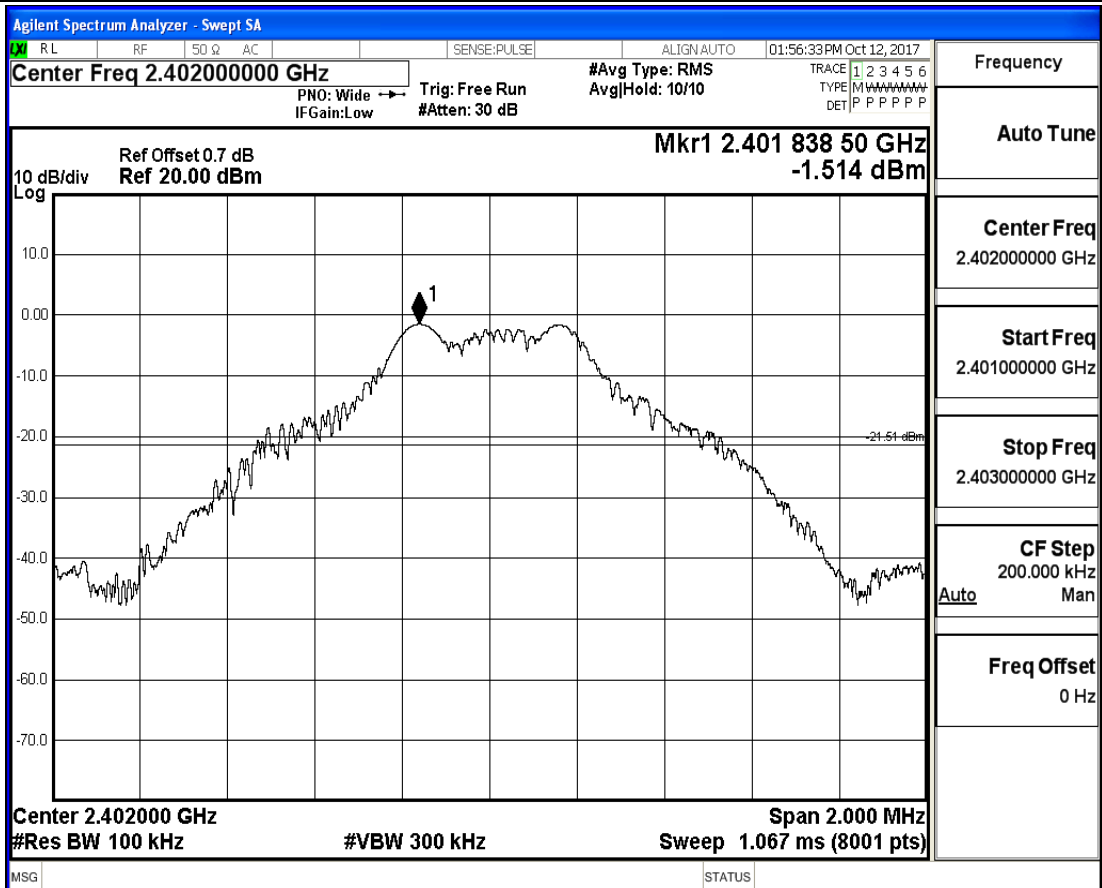
Band-edge for RF Conducted Emissions_3DH5_2480_Hopping Off



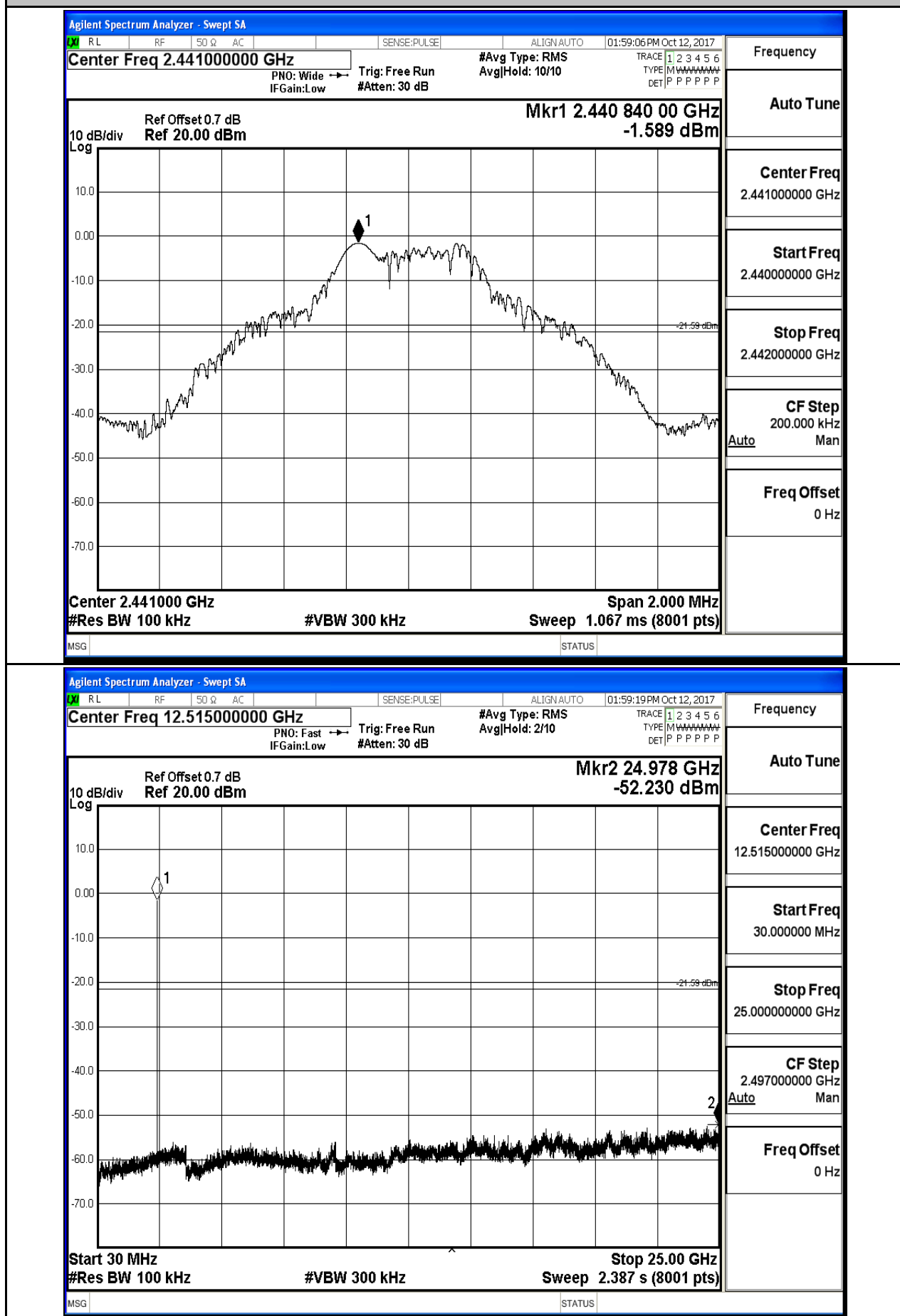
7.RF Conducted Spurious Emissions

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	-1.514	-52.201	<-21.514	PASS
DH5	2441	30	25000	100	300	-1.589	-52.230	<-21.589	PASS
DH5	2480	30	25000	100	300	-1.864	-52.216	<-21.864	PASS
2DH5	2402	30	25000	100	300	-3.584	-51.100	<-23.584	PASS
2DH5	2441	30	25000	100	300	-2.991	-52.125	<-22.991	PASS
2DH5	2480	30	25000	100	300	-3.295	-50.768	<-23.295	PASS
3DH5	2402	30	25000	100	300	-3.277	-52.546	<-23.277	PASS
3DH5	2441	30	25000	100	300	-2.942	-52.385	<-22.942	PASS
3DH5	2480	30	25000	100	300	-3.162	-52.083	<-23.162	PASS

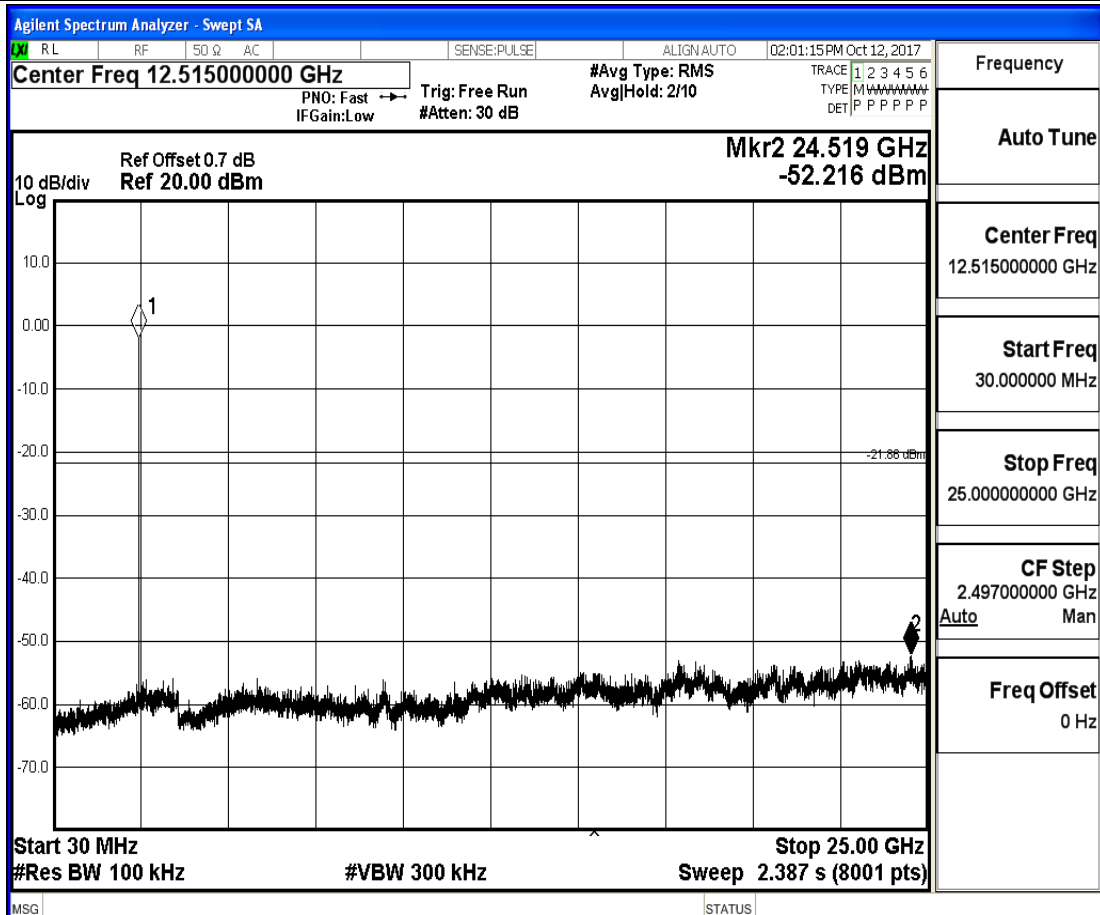
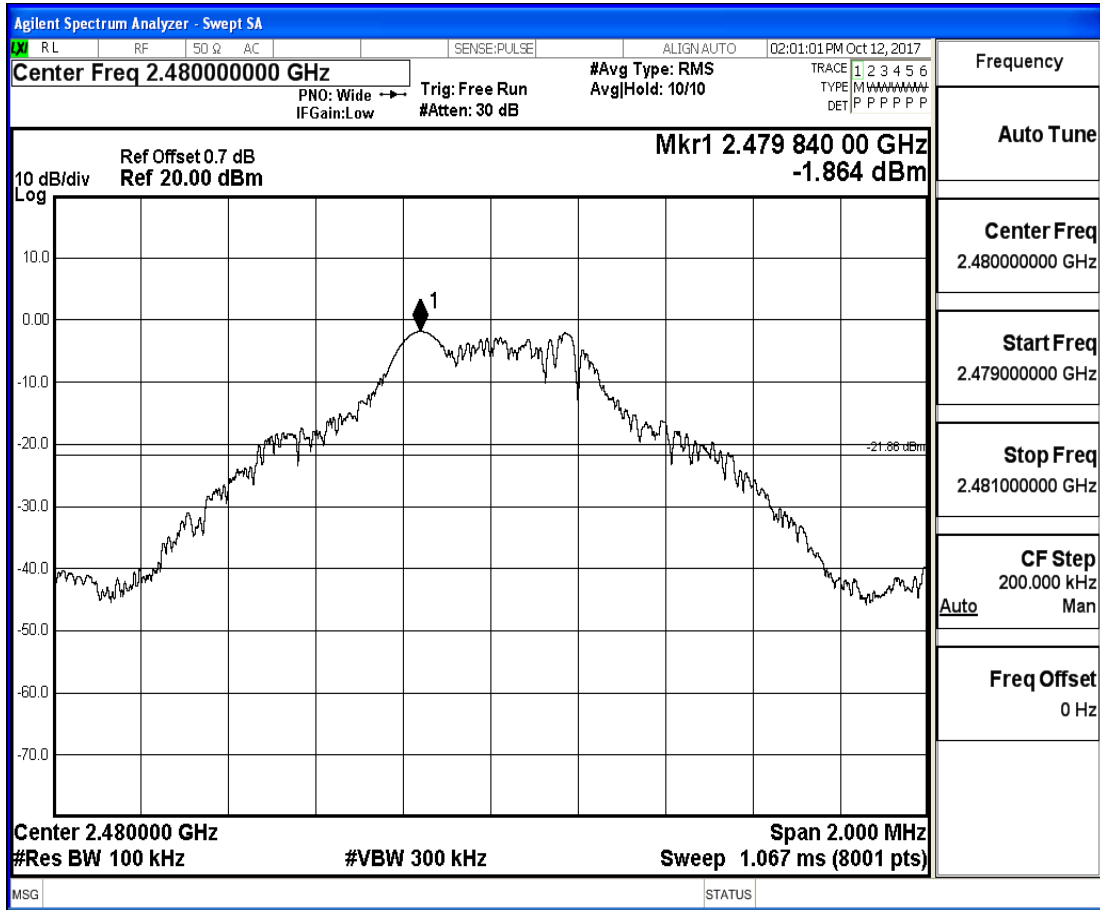
RF Conducted Spurious Emissions_DH5_2402



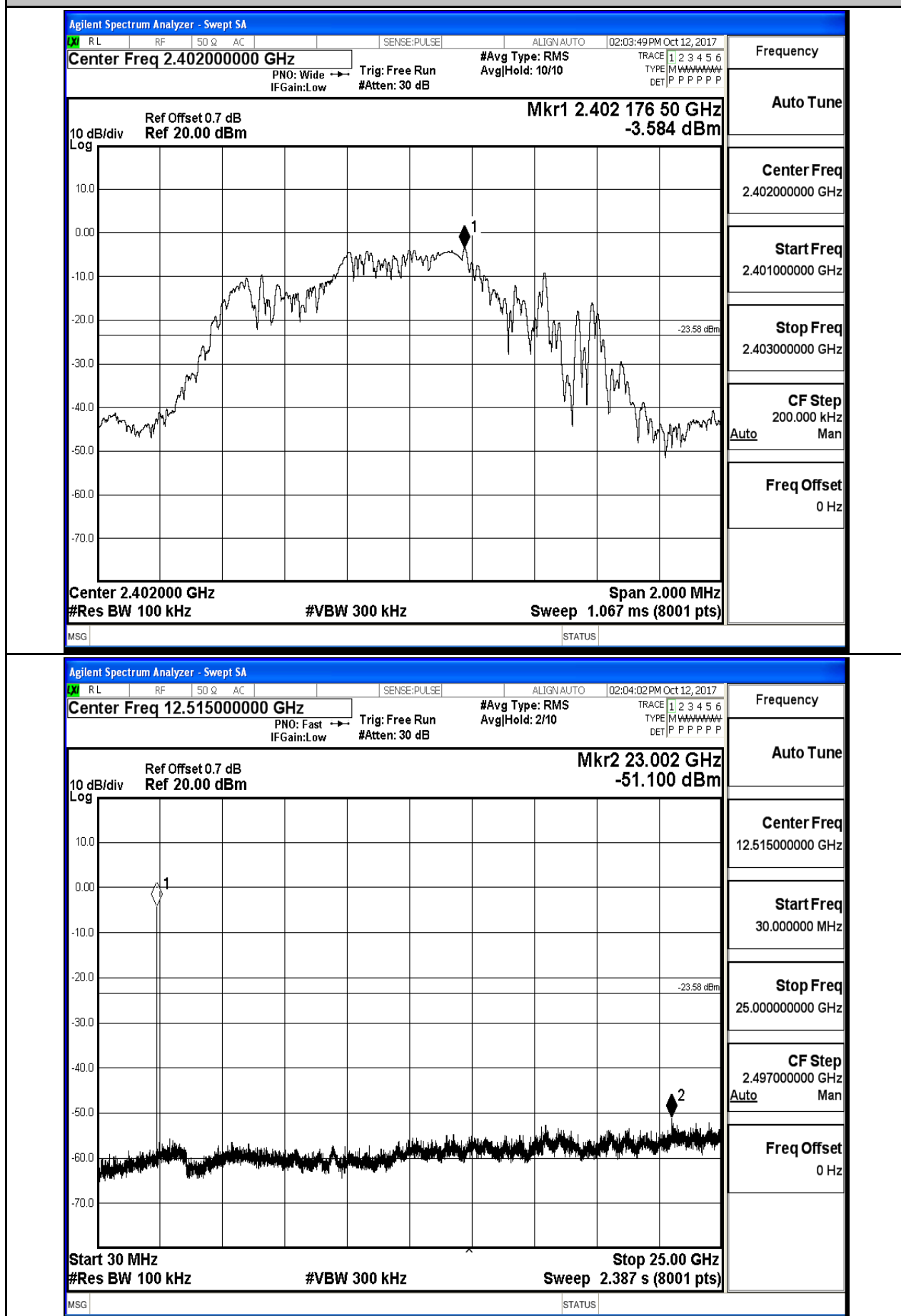
RF Conducted Spurious Emissions_DH5_2441



RF Conducted Spurious Emissions_DH5_2480



RF Conducted Spurious Emissions_2DH5_2402



Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 02:04:02 PM Oct 12, 2017

Center Freq 12.51500000 GHz #Avg Type: RMS TRAC 1 2 3 4 5 6
 PNO: Fast Trig: Free Run AvgHold: 2/10 TYPE M P P P P P
 IFGain:Low #Atten: 30 dB DET P P P P P P

Ref Offset 0.7 dB Mkr2 23.002 GHz
 Ref 20.00 dBm -51.100 dBm

10 dB/div Log

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

MSG STATUS

Frequency

Auto Tune

Center Freq
12.51500000 GHz

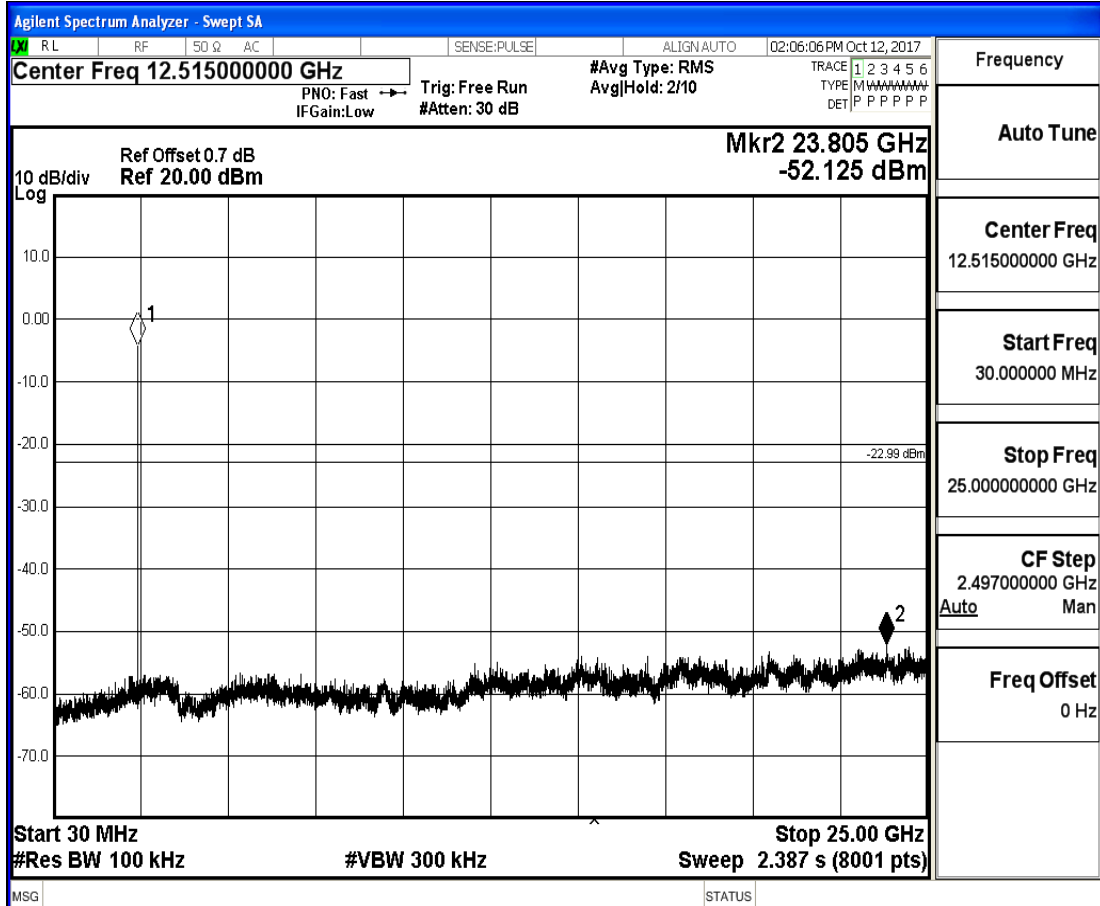
Start Freq
30.0000000 MHz

Stop Freq
25.000000000 GHz

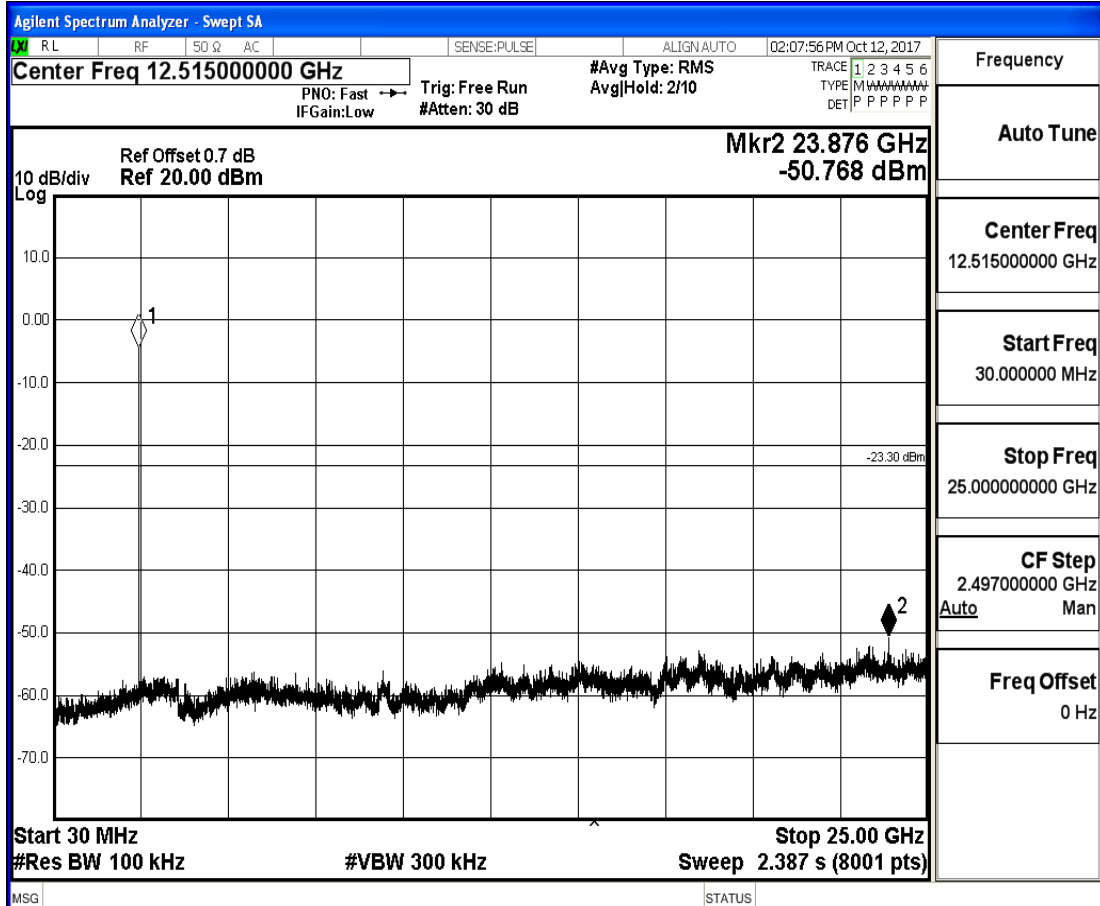
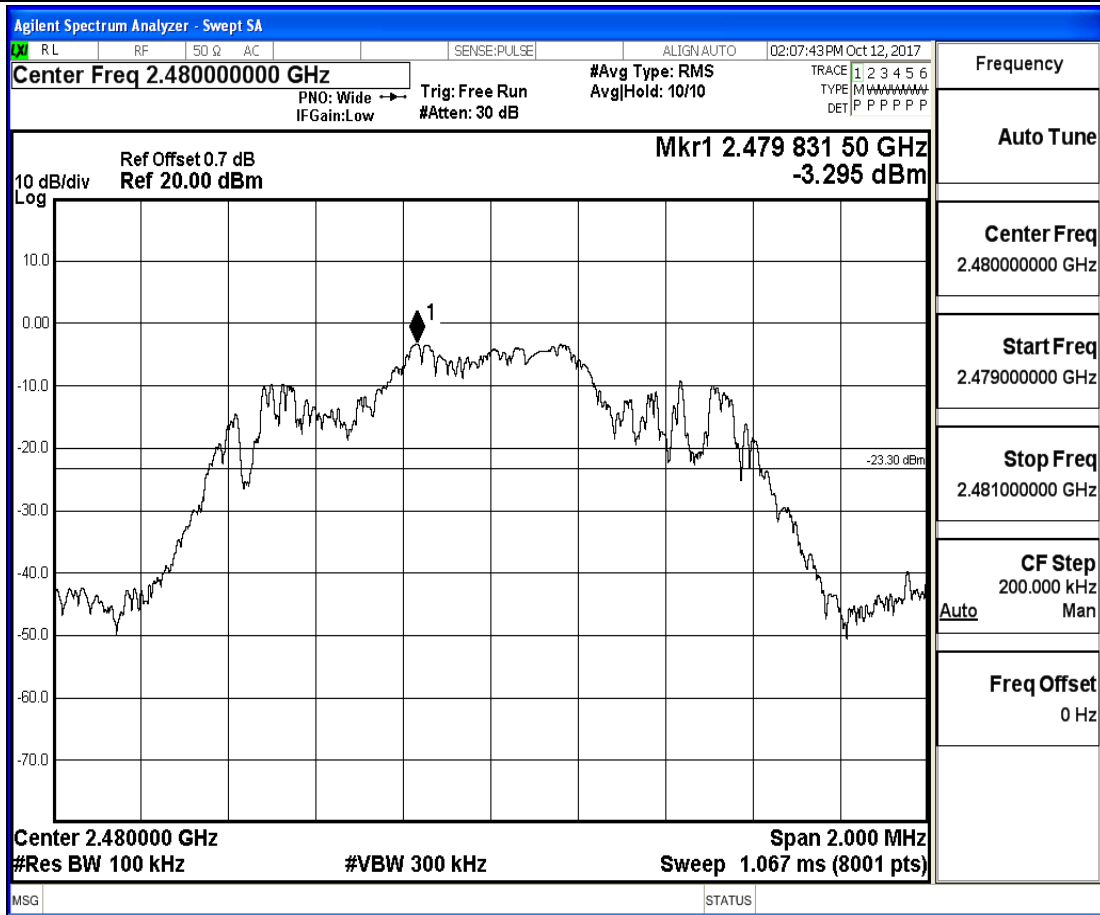
CF Step
2.497000000 GHz
Auto Man

Freq Offset
0 Hz

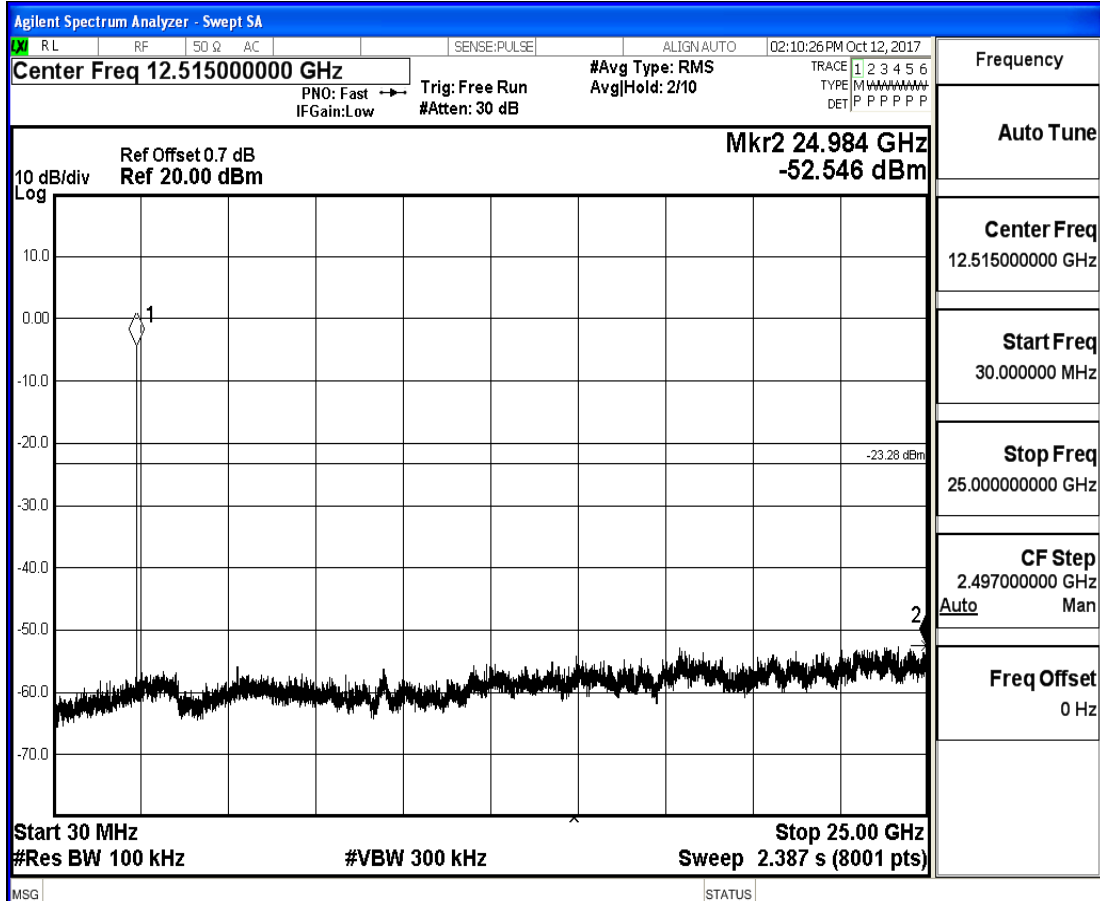
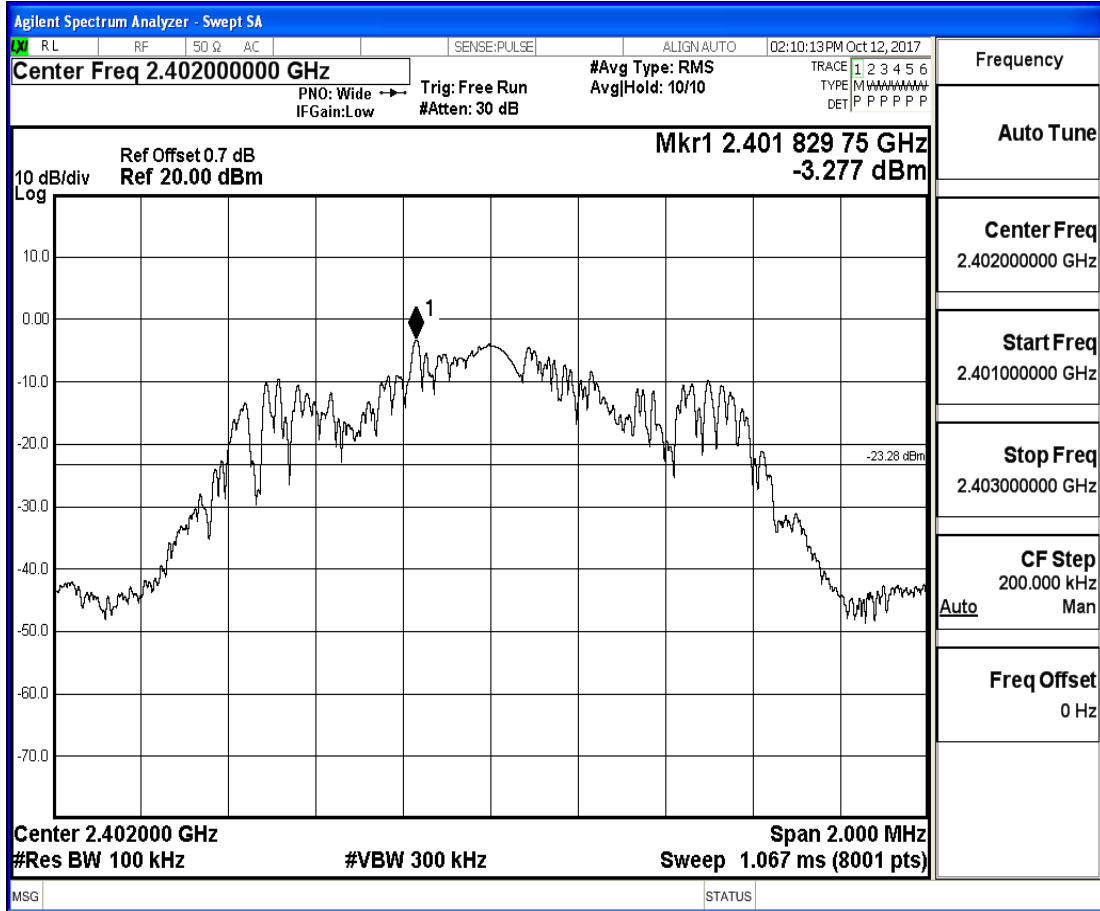
RF Conducted Spurious Emissions_2DH5_2441



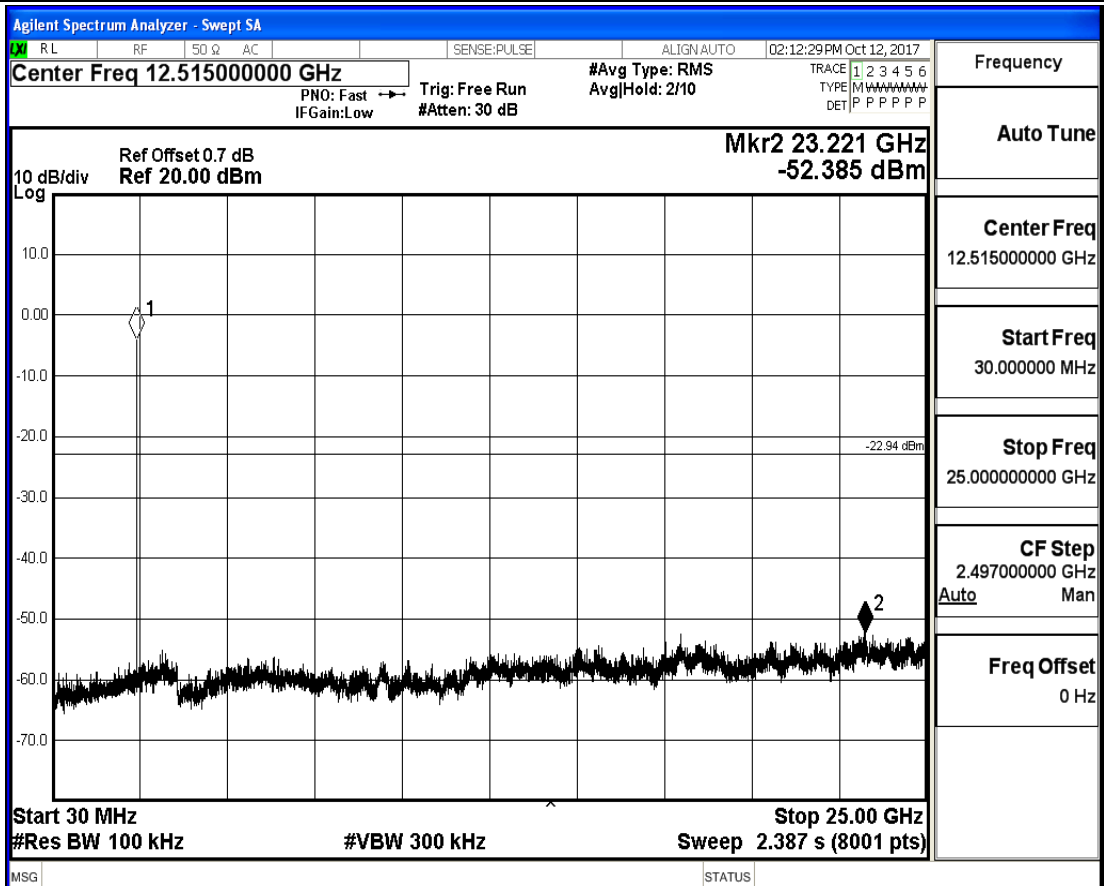
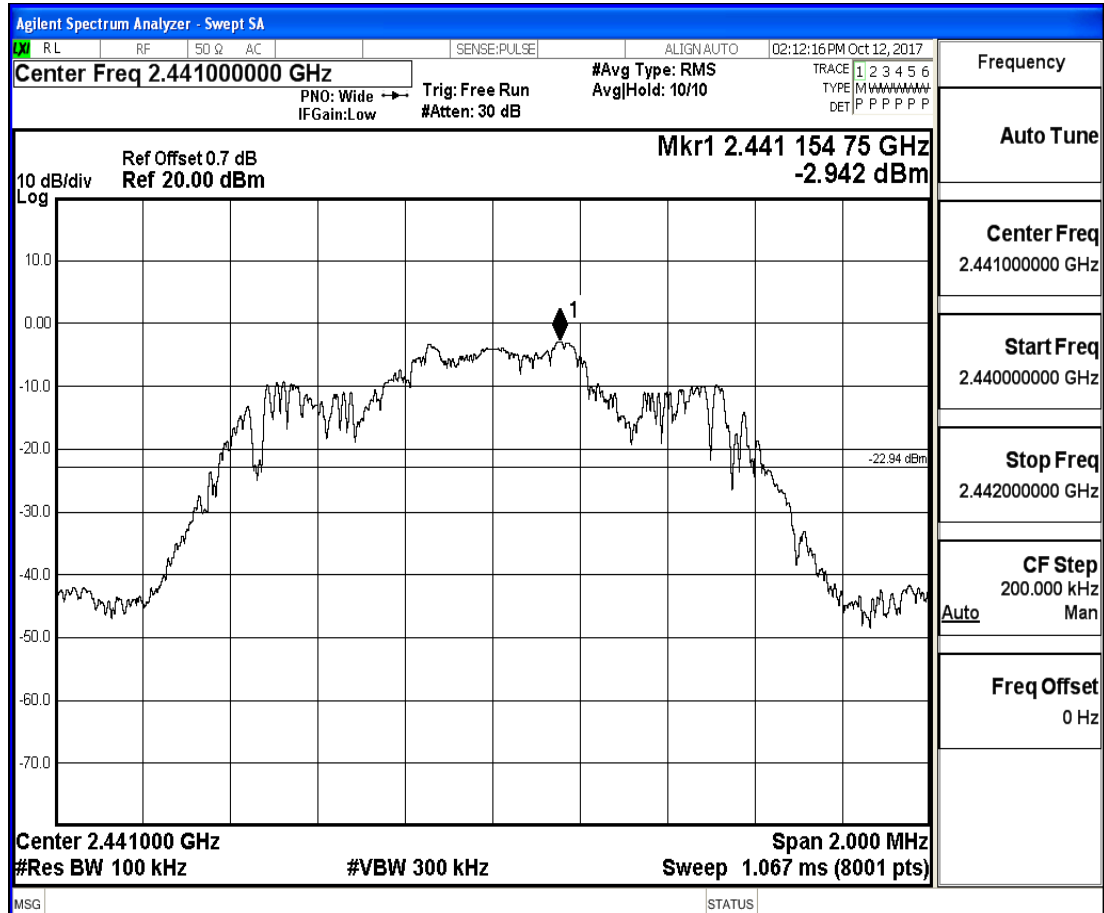
RF Conducted Spurious Emissions_2DH5_2480



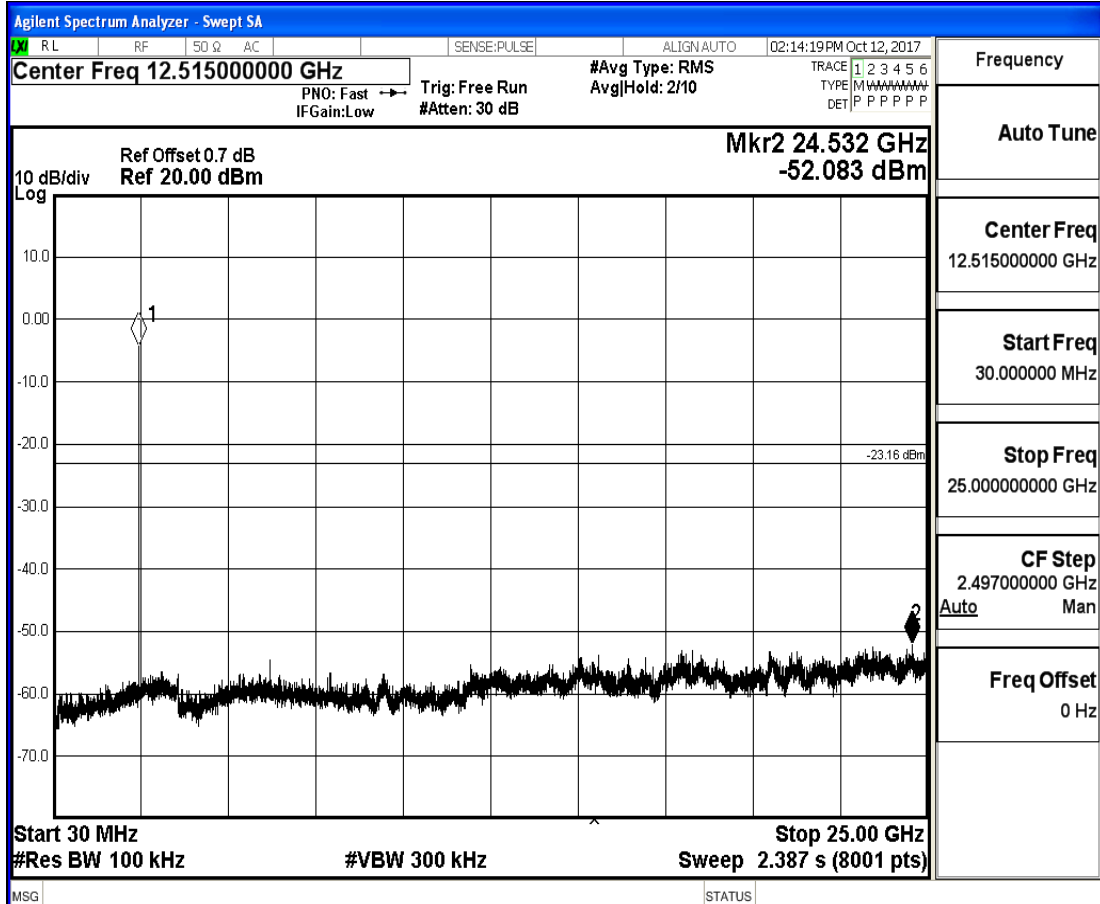
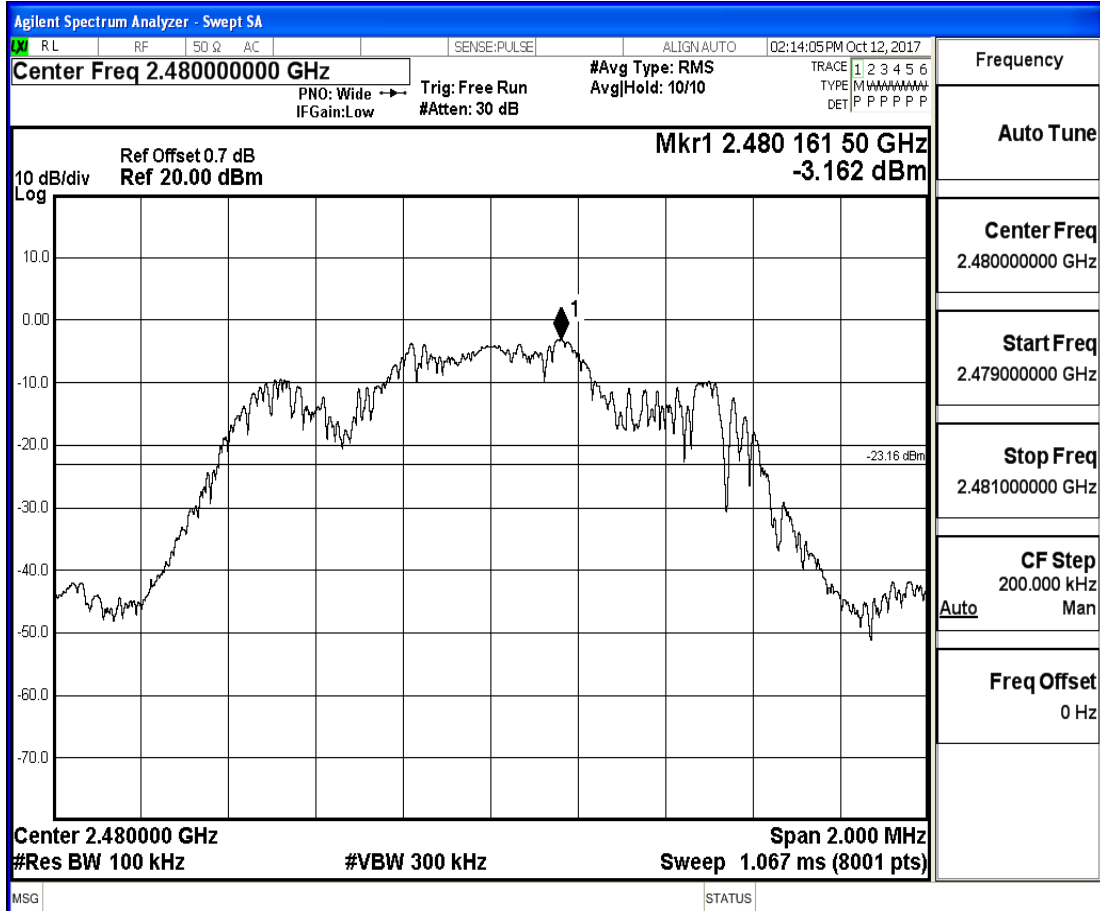
RF Conducted Spurious Emissions_3DH5_2402



RF Conducted Spurious Emissions_3DH5_2441



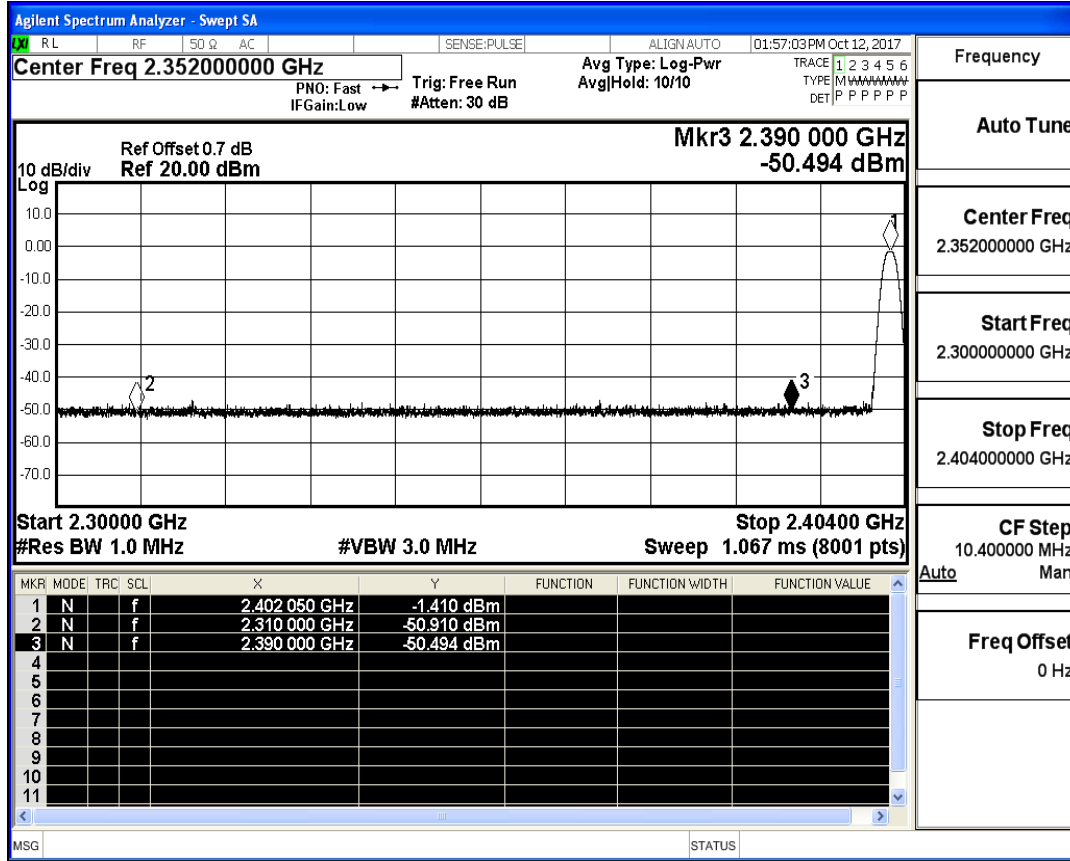
RF Conducted Spurious Emissions_3DH5_2480



8.Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
DH5	OFF	2310.0	-50.91	2.00	0	46.35	PEAK	74	PASS
DH5	OFF	2310.0	-61.34	2.00	0	35.91	AV	54	PASS
DH5	OFF	2390.0	-50.49	2.00	0	46.76	PEAK	74	PASS
DH5	OFF	2390.0	-61.04	2.00	0	36.22	AV	54	PASS
DH5	OFF	2483.5	-50.25	2.00	0	47.01	PEAK	74	PASS
DH5	OFF	2483.5	-60.62	2.00	0	36.64	AV	54	PASS
DH5	OFF	2500.0	-49.89	2.00	0	47.37	PEAK	74	PASS
DH5	OFF	2500.0	-60.74	2.00	0	36.52	AV	54	PASS
2DH5	OFF	2310.0	-50.40	2.00	0	46.86	PEAK	74	PASS
2DH5	OFF	2310.0	-61.33	2.00	0	35.92	AV	54	PASS
2DH5	OFF	2390.0	-50.57	2.00	0	46.69	PEAK	74	PASS
2DH5	OFF	2390.0	-61.05	2.00	0	36.21	AV	54	PASS
2DH5	OFF	2483.5	-49.97	2.00	0	47.29	PEAK	74	PASS
2DH5	OFF	2483.5	-60.60	2.00	0	36.66	AV	54	PASS
2DH5	OFF	2500.0	-49.43	2.00	0	47.83	PEAK	74	PASS
2DH5	OFF	2500.0	-60.76	2.00	0	36.50	AV	54	PASS
3DH5	OFF	2310.0	-48.82	2.00	0	48.43	PEAK	74	PASS
3DH5	OFF	2310.0	-61.32	2.00	0	35.93	AV	54	PASS
3DH5	OFF	2390.0	-48.39	2.00	0	48.87	PEAK	74	PASS
3DH5	OFF	2390.0	-61.09	2.00	0	36.17	AV	54	PASS
3DH5	OFF	2483.5	-49.86	2.00	0	47.40	PEAK	74	PASS
3DH5	OFF	2483.5	-60.79	2.00	0	36.47	AV	54	PASS
3DH5	OFF	2500.0	-49.30	2.00	0	47.96	PEAK	74	PASS
3DH5	OFF	2500.0	-60.75	2.00	0	36.51	AV	54	PASS

Restrict-band band-edge measurements_2402_PEAK



Frequency

Auto Tune

Center Freq
2.352000000 GHz

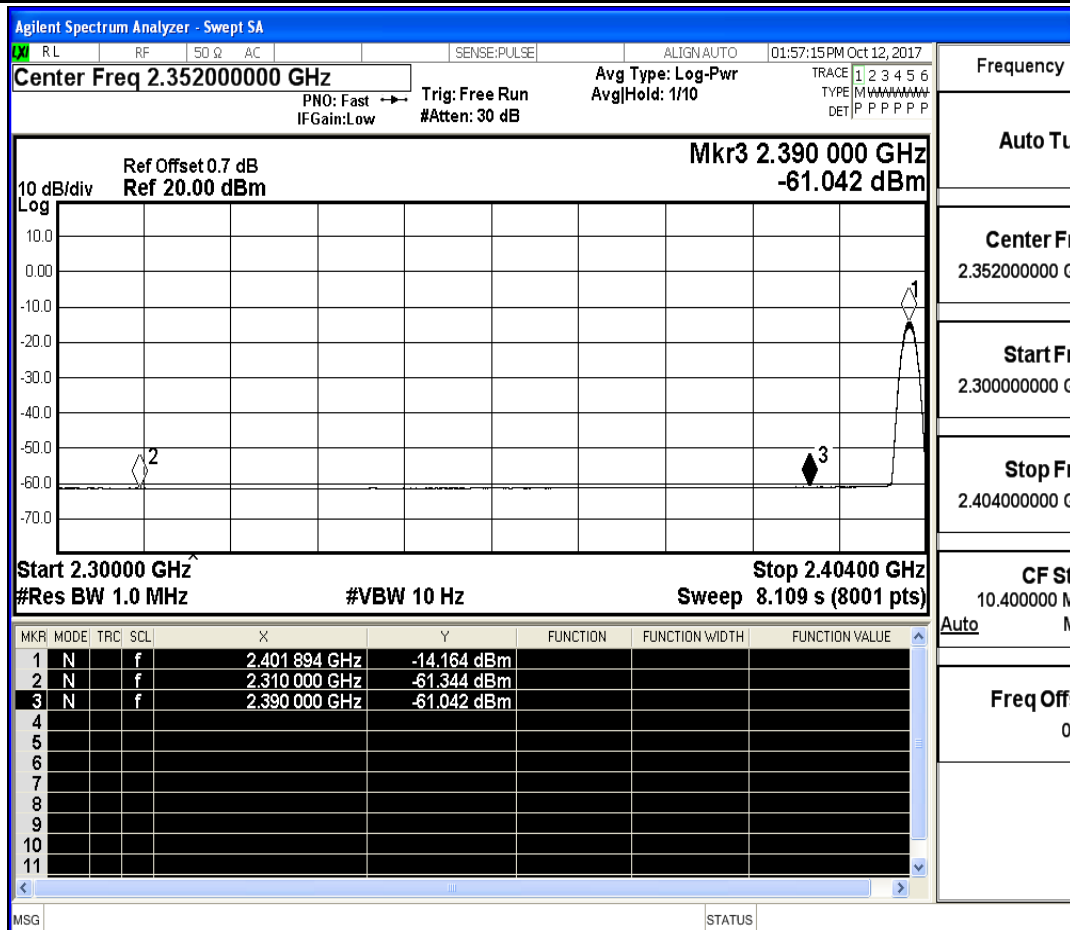
Start Freq
2.300000000 GHz

Stop Freq
2.404000000 GHz

CF Step
10.400000 MHz
Auto

Freq Offset
0 Hz

Restrict-band band-edge measurements_2402_AV



Frequency

Auto Tune

Center Freq
2.352000000 GHz

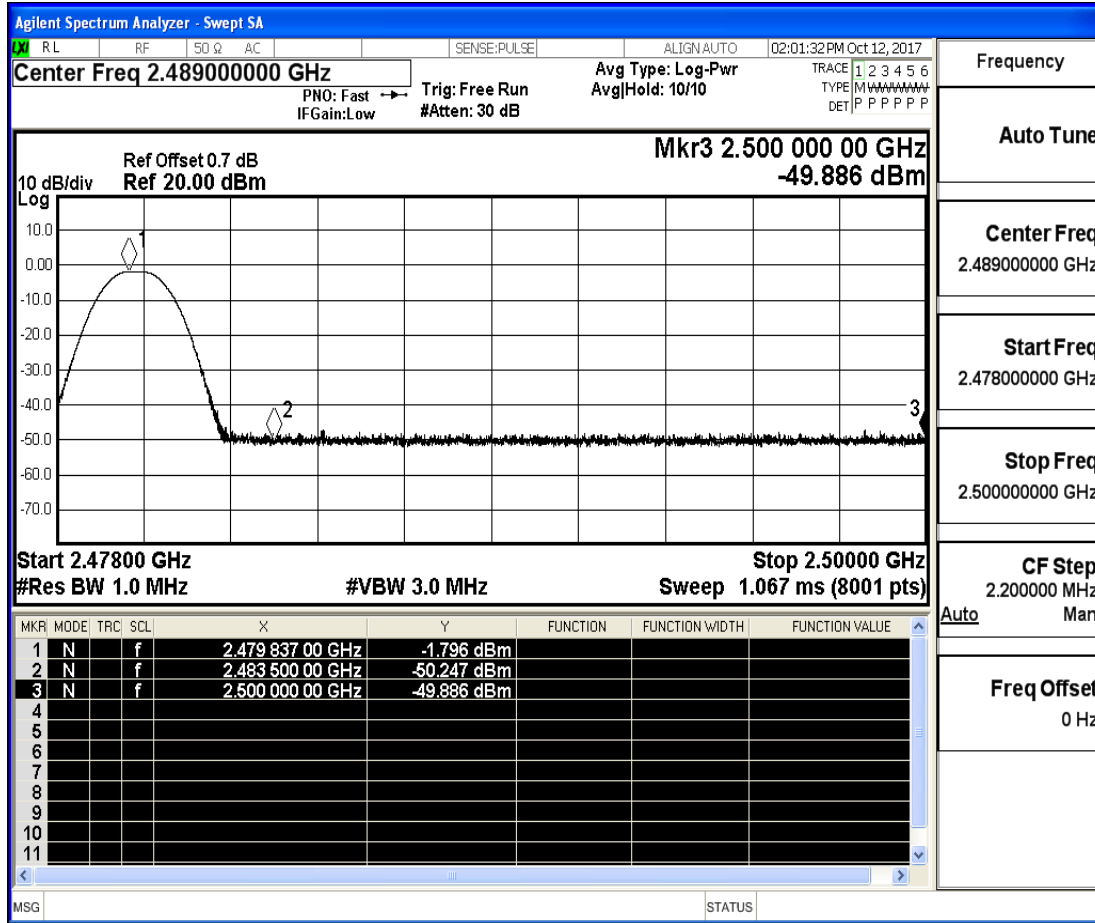
Start Freq
2.300000000 GHz

Stop Freq
2.404000000 GHz

CF Step
10.400000 MHz
Auto

Freq Offset
0 Hz

Restrict-band band-edge measurements_2480_PEAK



Frequency

Auto Tune

Center Freq
2.489000000 GHz

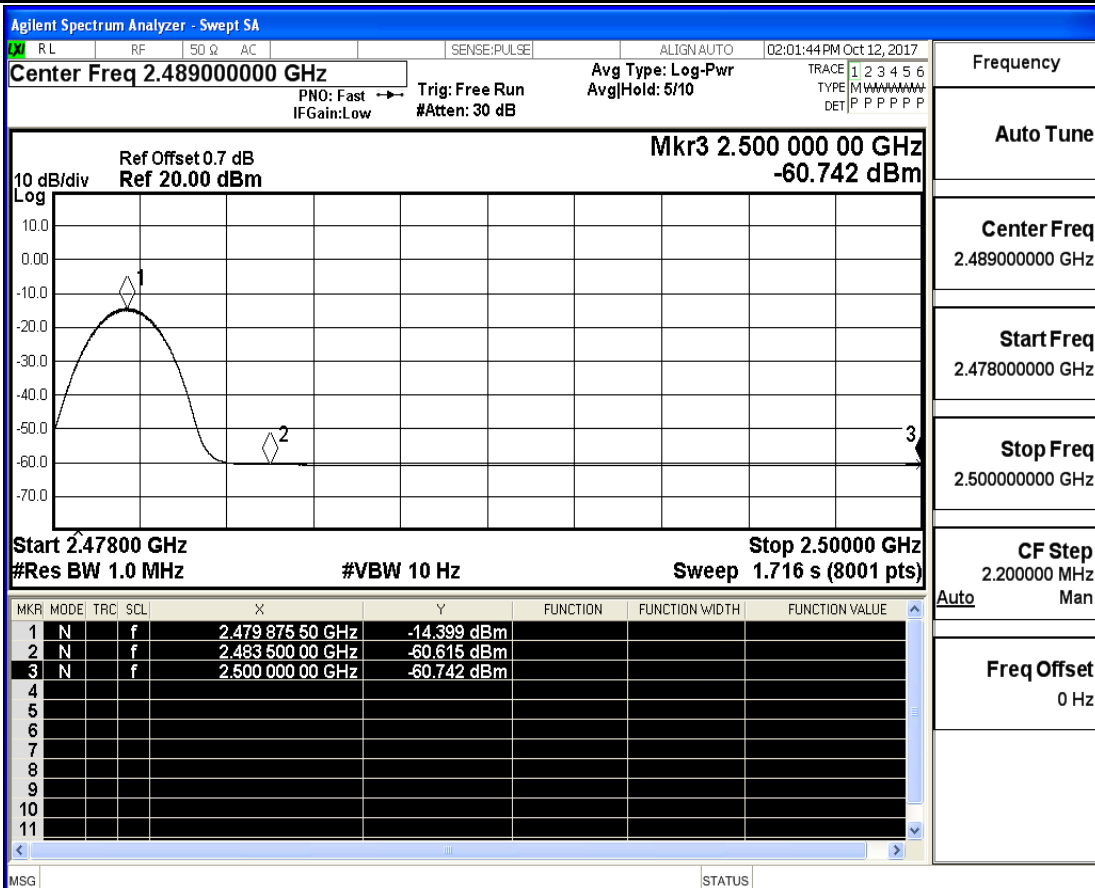
Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

CF Step
2.200000 MHz
Auto Man

Freq Offset
0 Hz

Restrict-band band-edge measurements_2480_AV



Frequency

Auto Tune

Center Freq
2.489000000 GHz

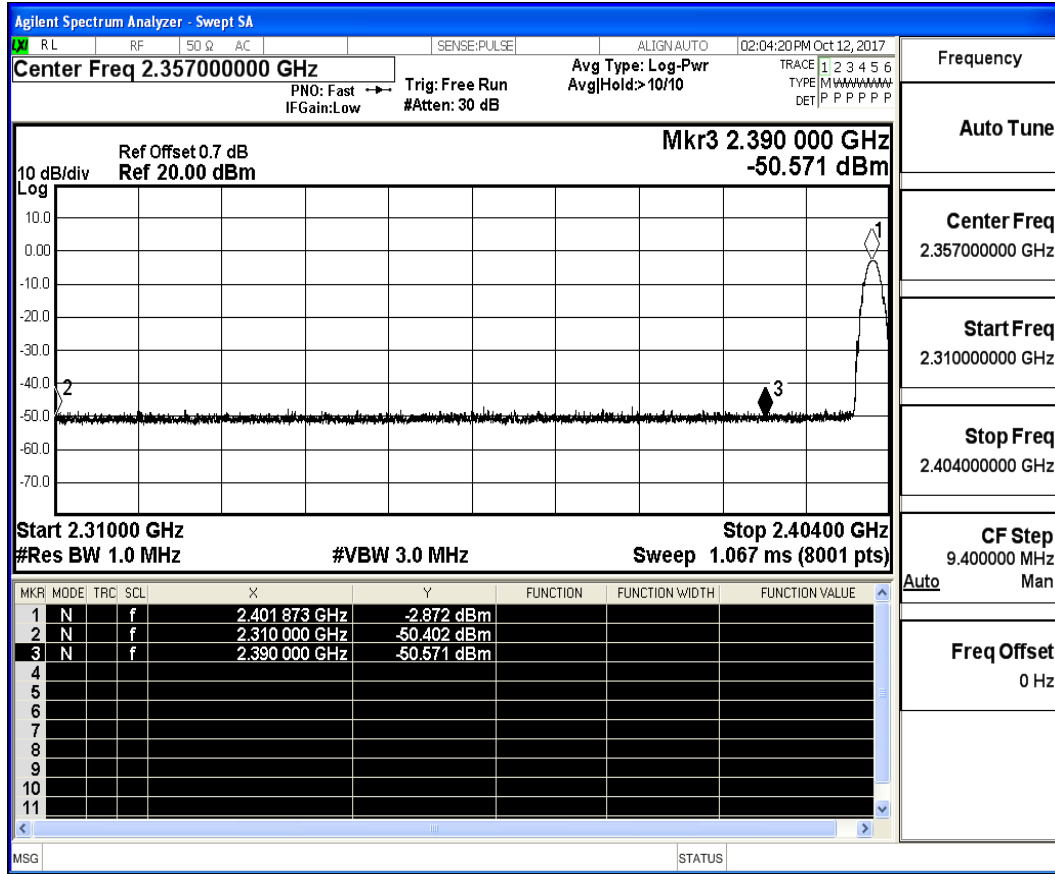
Start Freq
2.478000000 GHz

Stop Freq
2.500000000 GHz

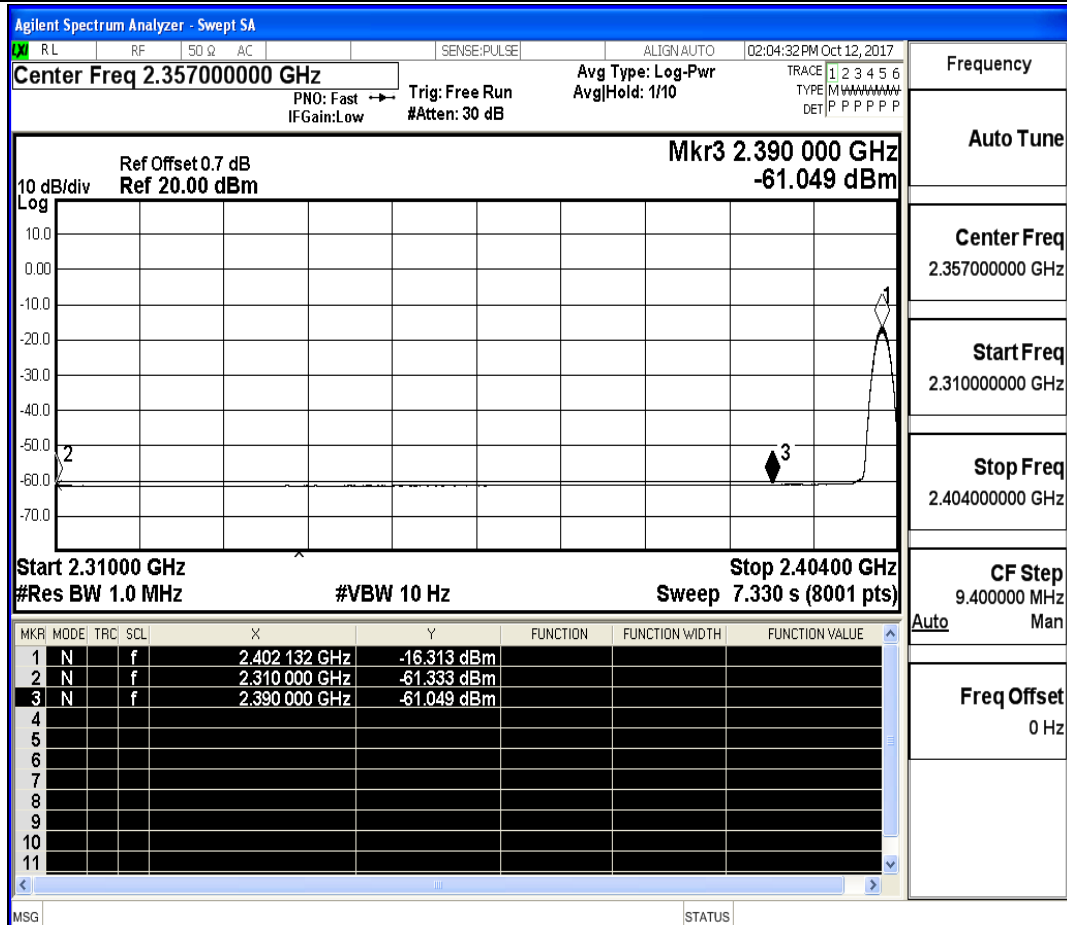
CF Step
2.200000 MHz
Auto Man

Freq Offset
0 Hz

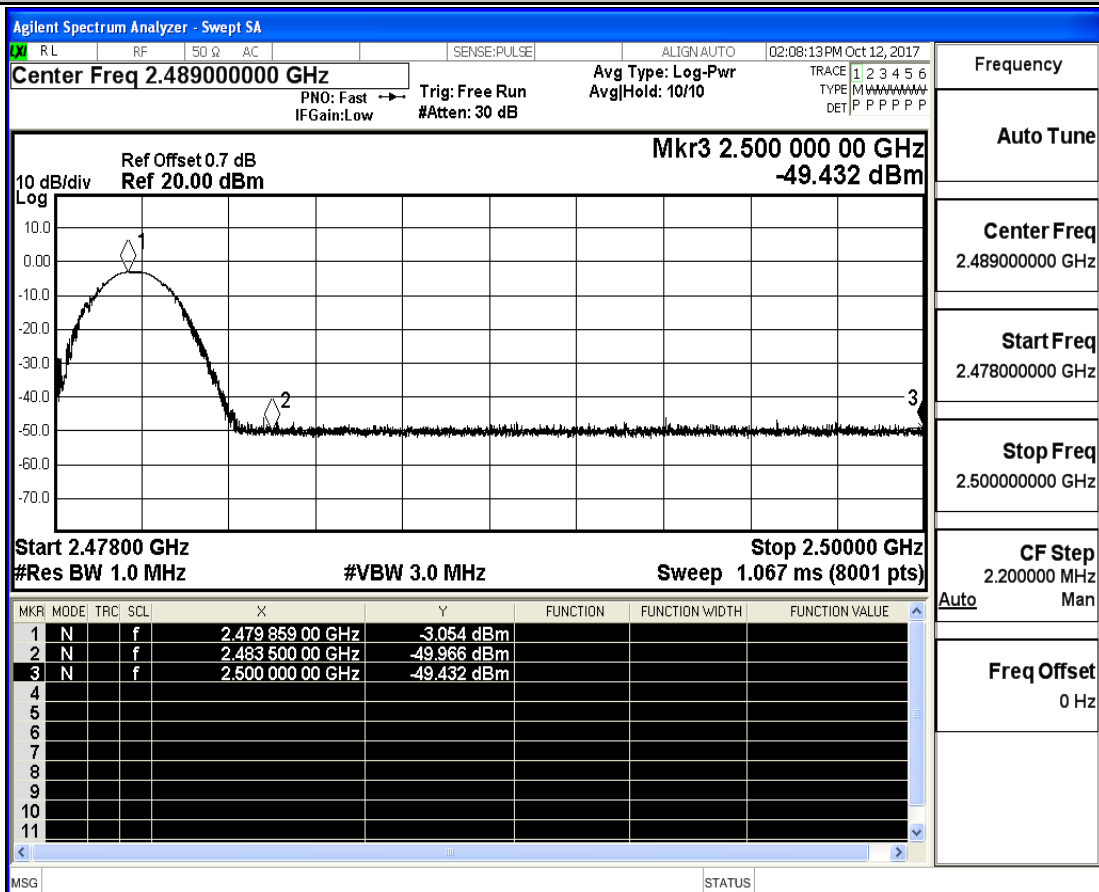
Restrict-band band-edge measurements_2402_PEAK



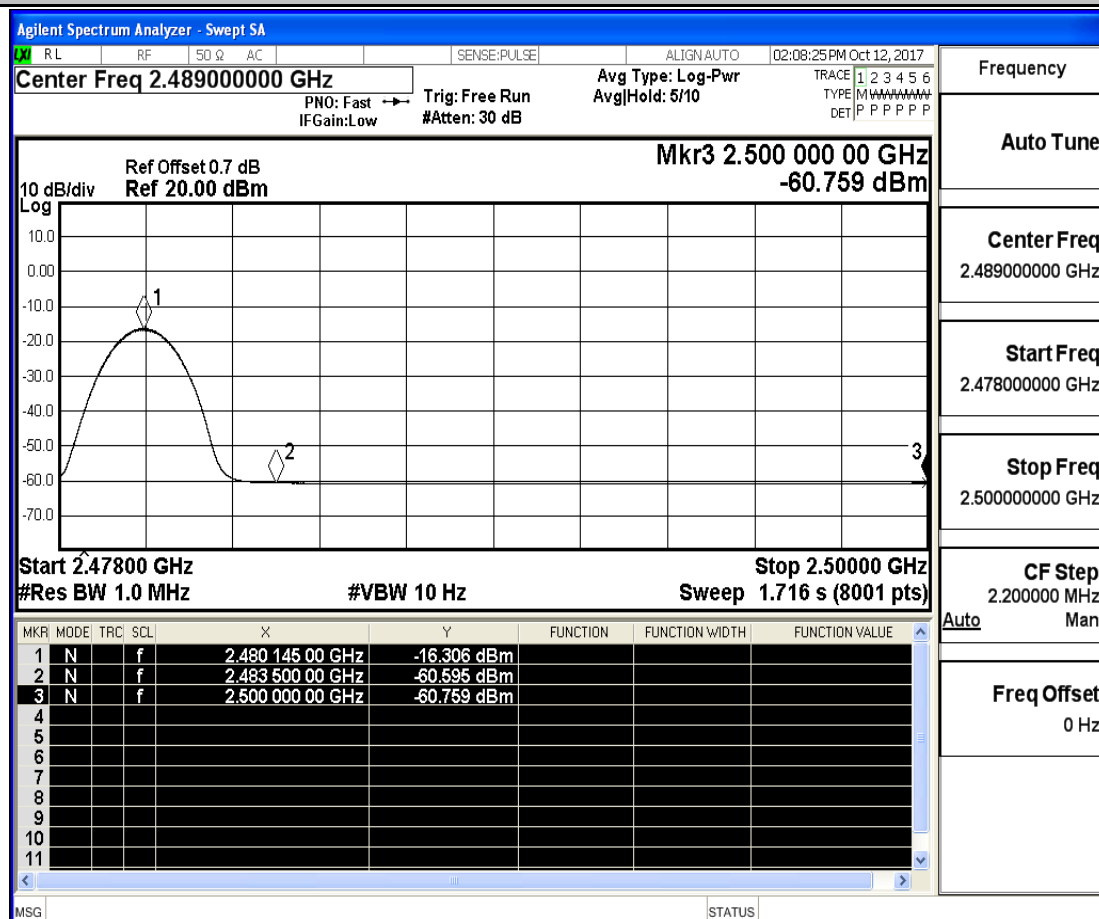
Restrict-band band-edge measurements_2402_AV



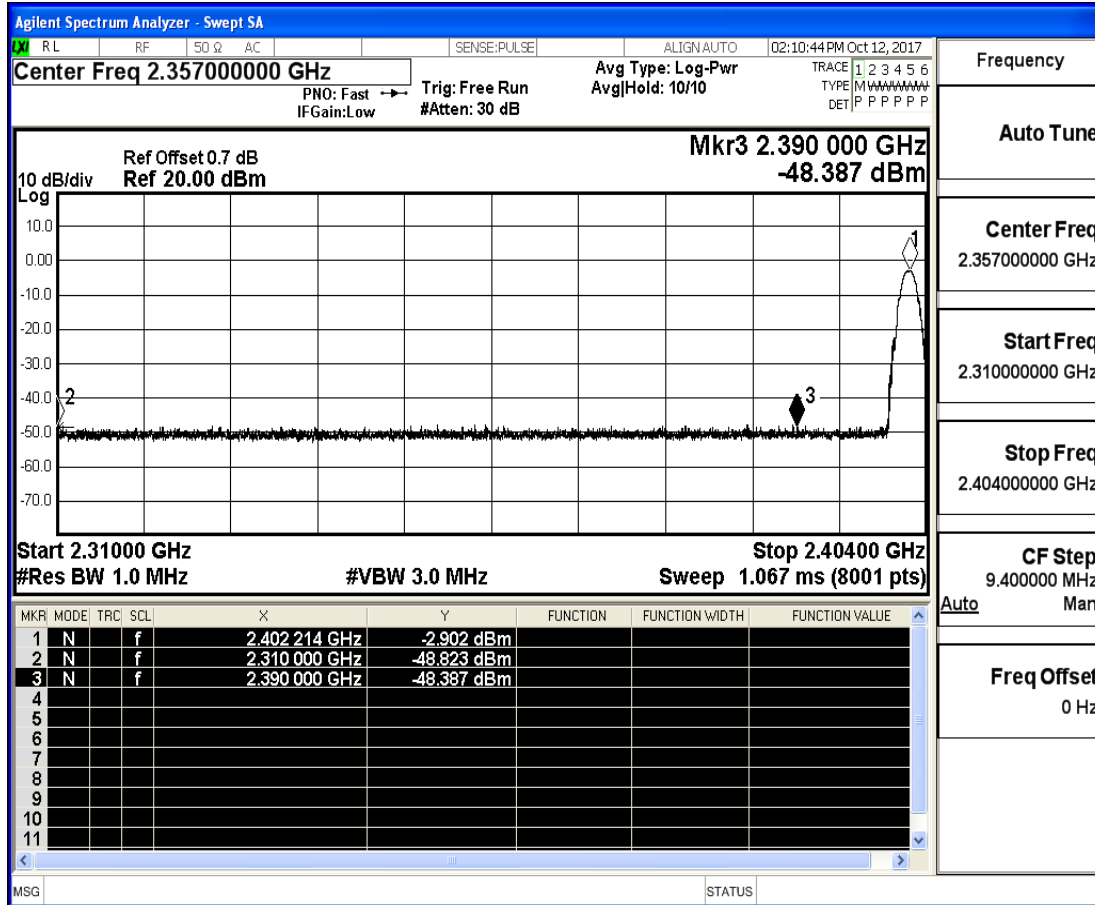
Restrict-band band-edge measurements 2480 PEAK



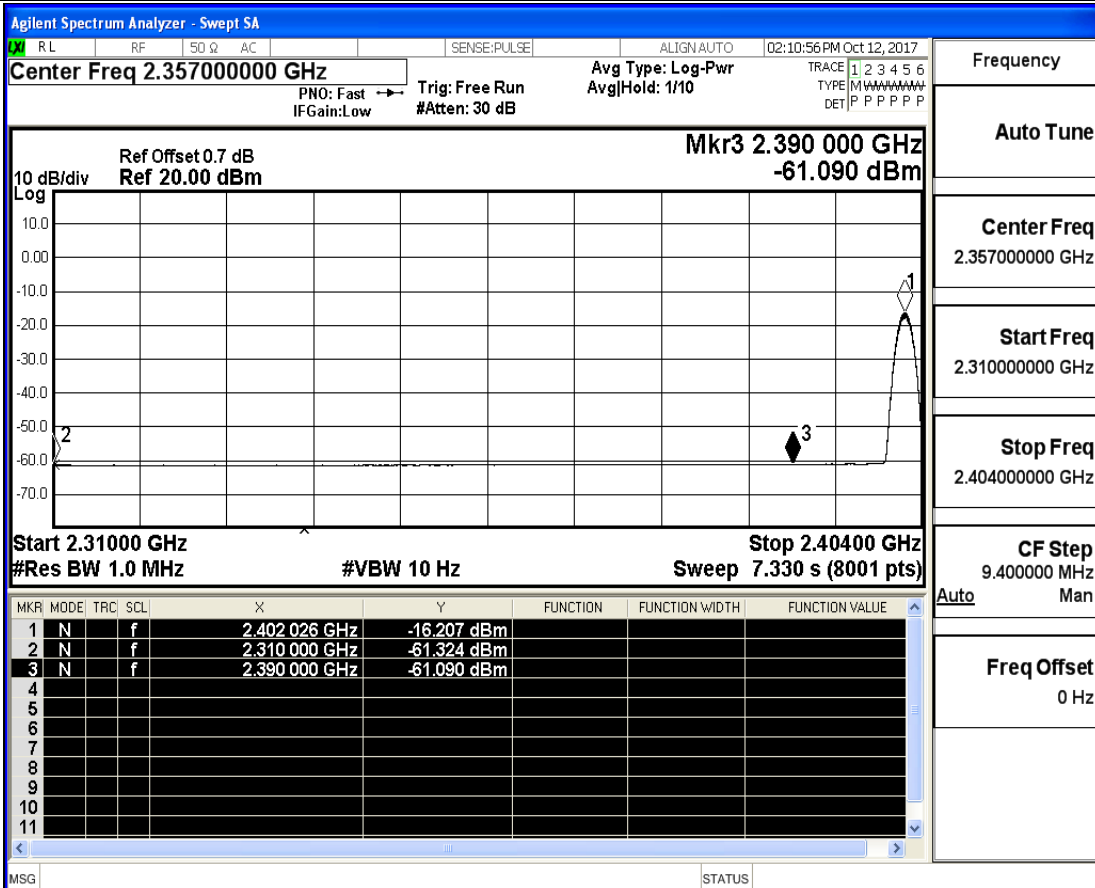
Restrict-band band-edge measurements_2480_AV



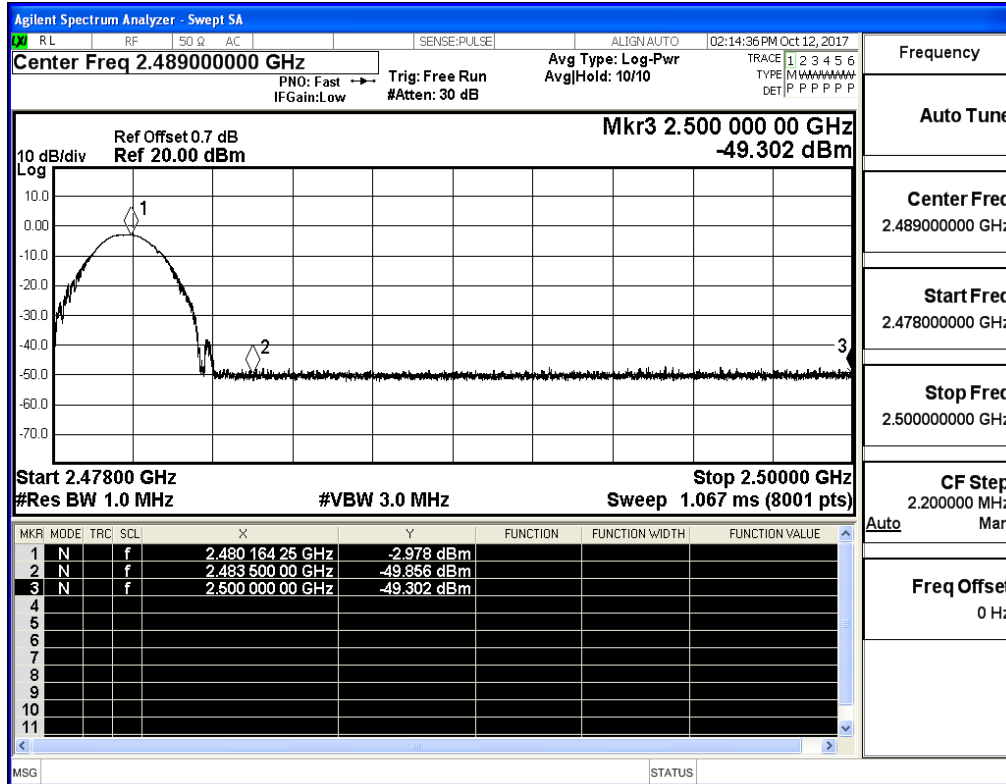
Restrict-band band-edge measurements_2402_PEAK



Restrict-band band-edge measurements_2402_AV



Restrict-band band-edge measurements_2480_PEAK



Restrict-band band-edge measurements_2480_AV

