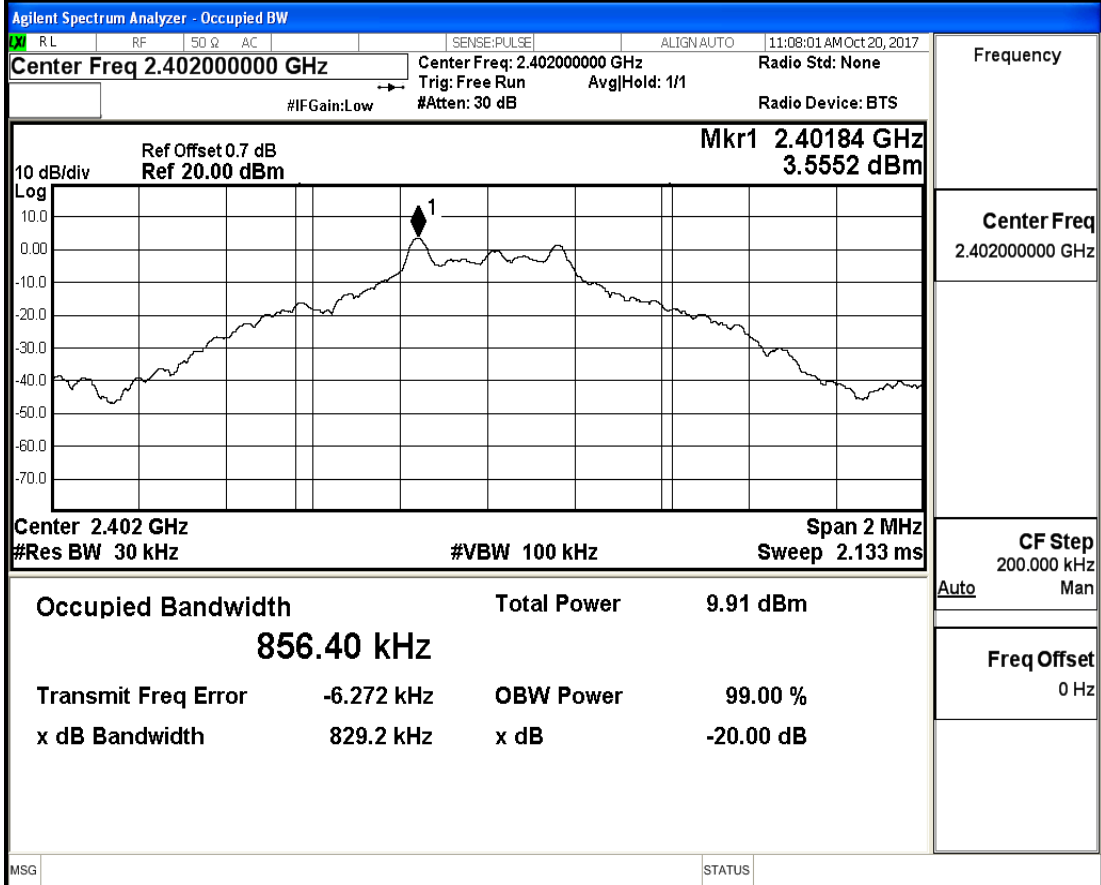


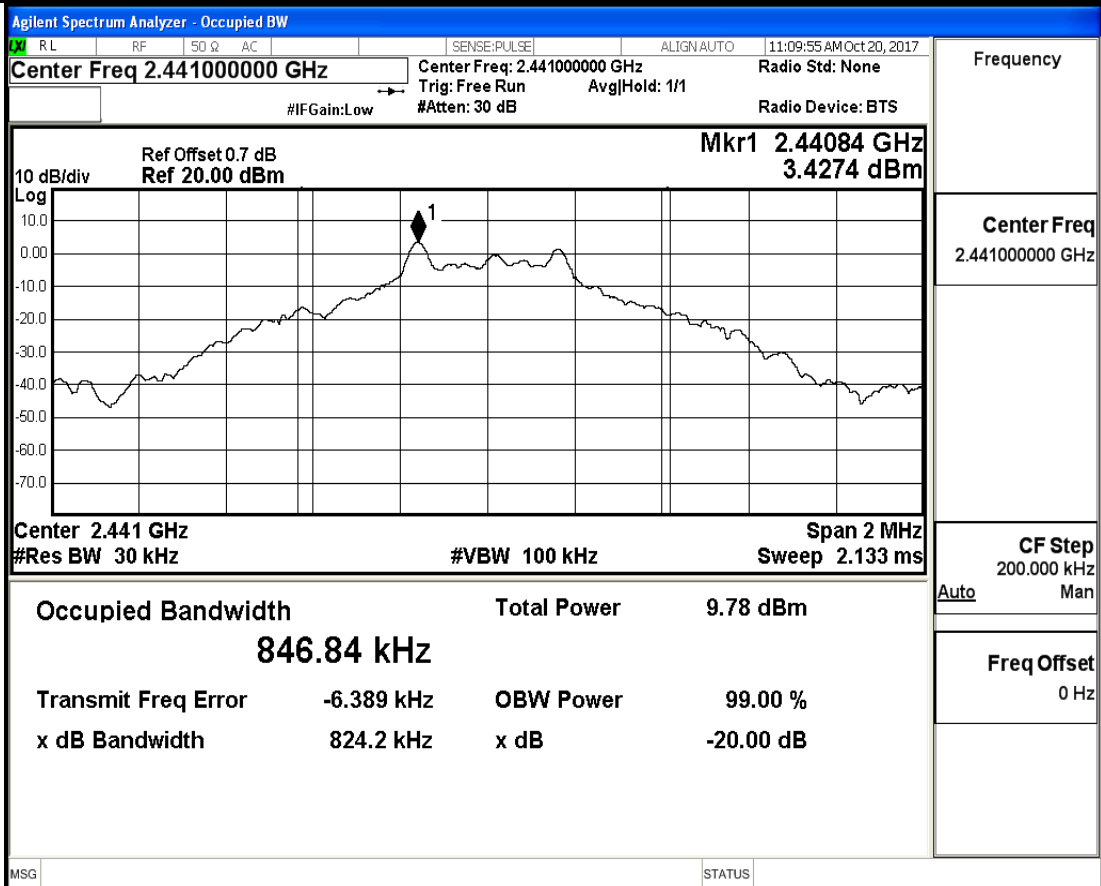
1.20 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
DH1	2402	0.8292	---	PASS
DH1	2441	0.8242	---	PASS
DH1	2480	0.8282	---	PASS
2DH1	2402	1.127	---	PASS
2DH1	2441	1.145	---	PASS
2DH1	2480	1.119	---	PASS
3DH1	2402	1.115	---	PASS
3DH1	2441	1.120	---	PASS
3DH1	2480	1.112	---	PASS

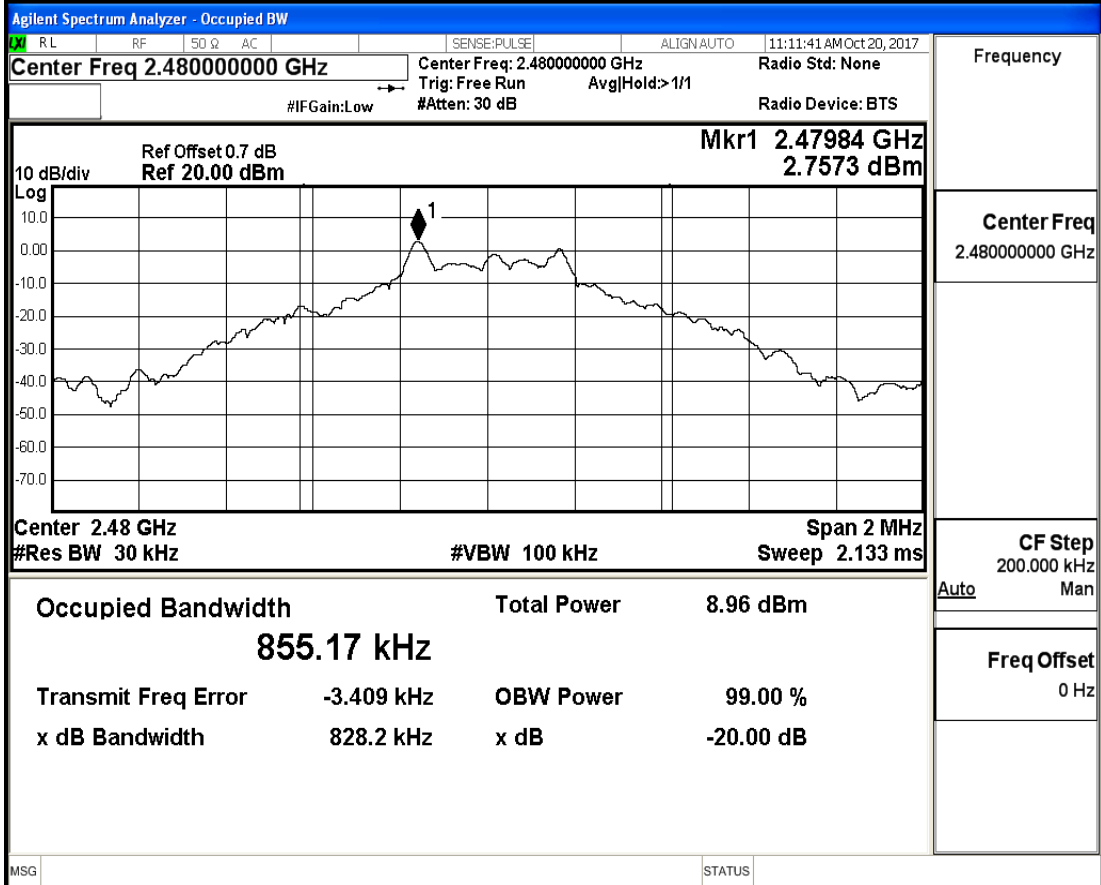
20 dB Bandwidth_DH1_2402



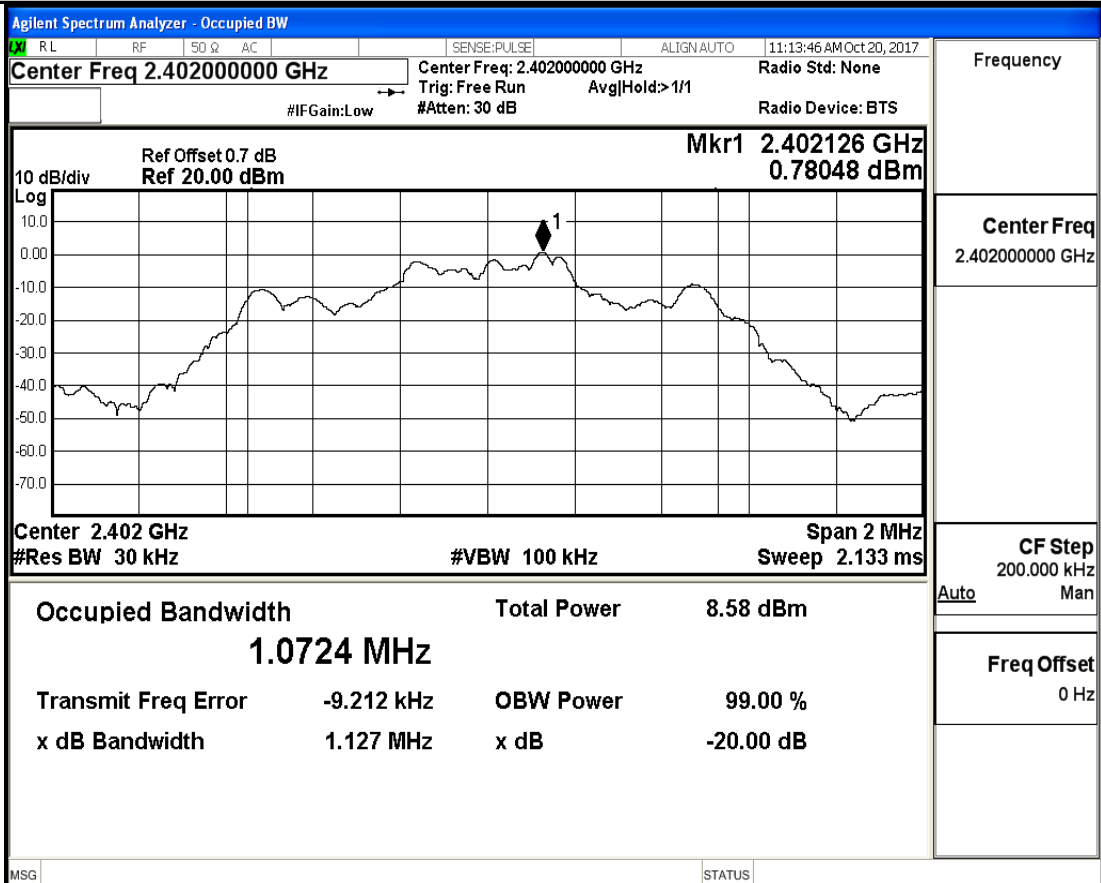
20 dB Bandwidth_DH1_2441



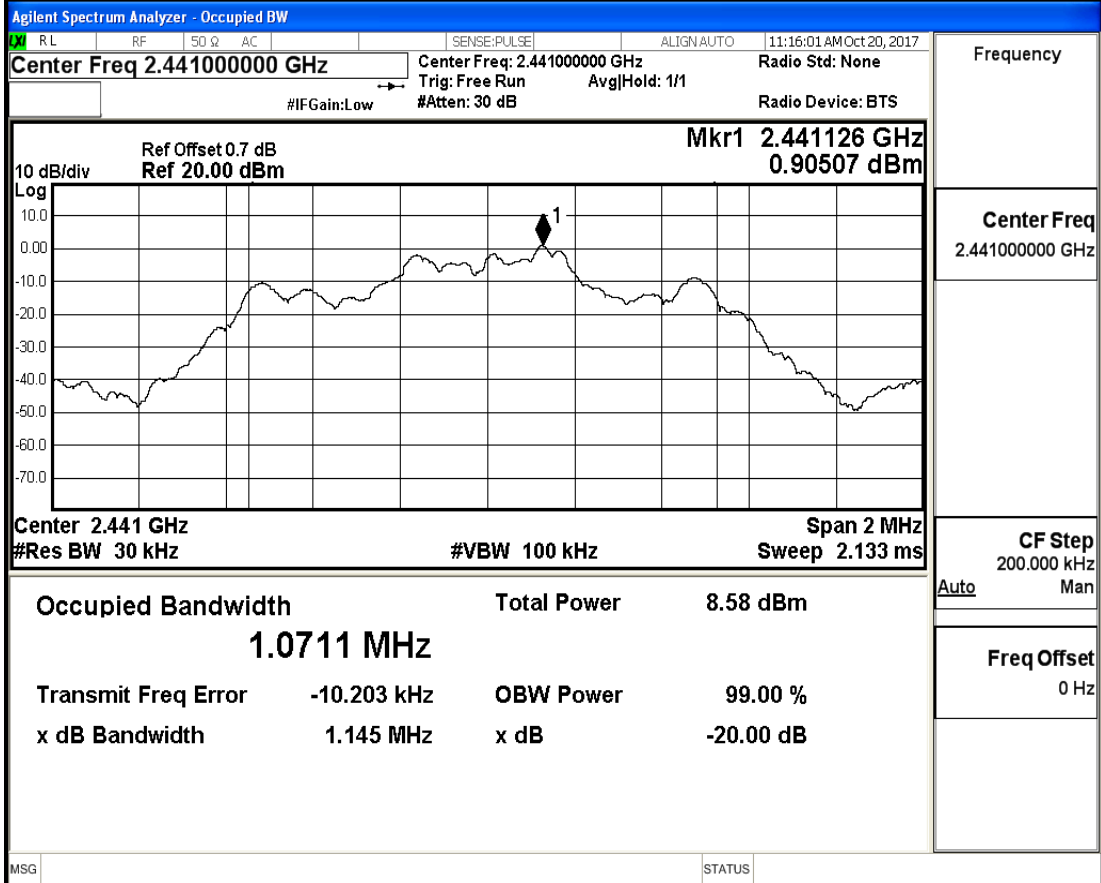
20 dB Bandwidth_DH1_2480



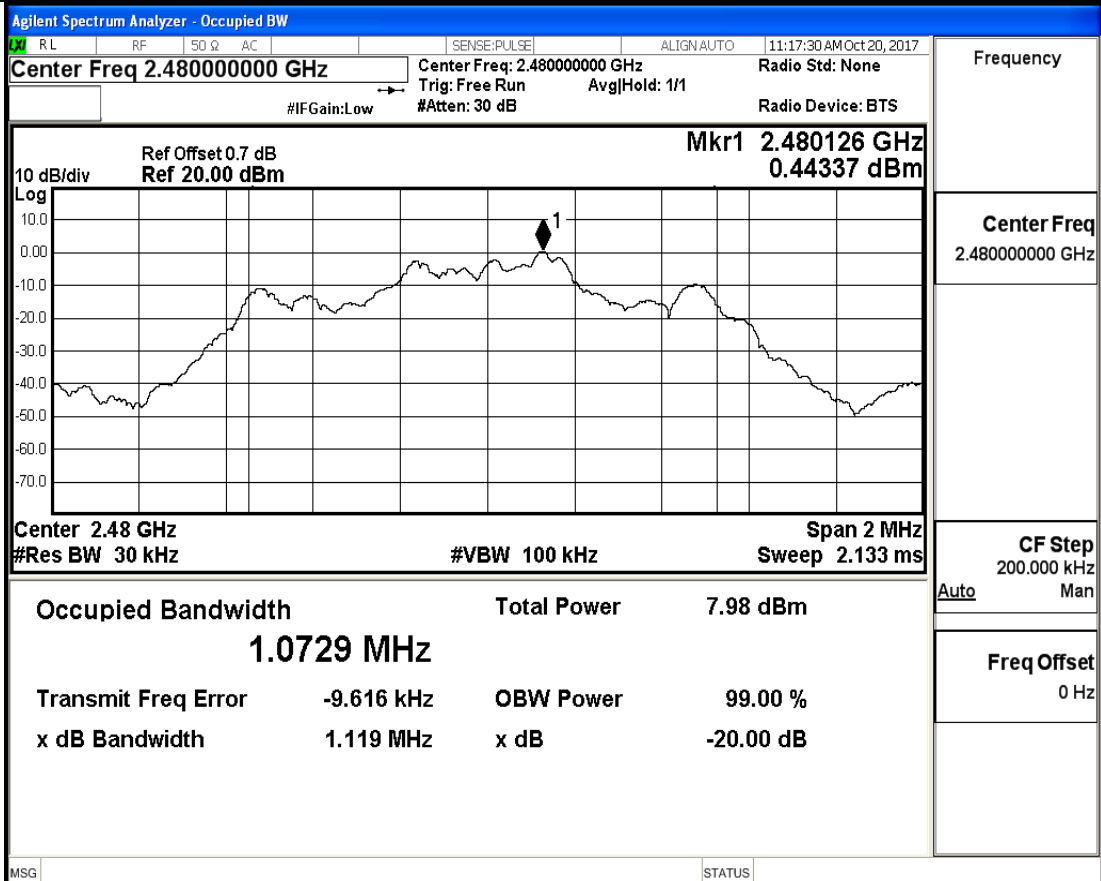
20 dB Bandwidth_2DH1_2402



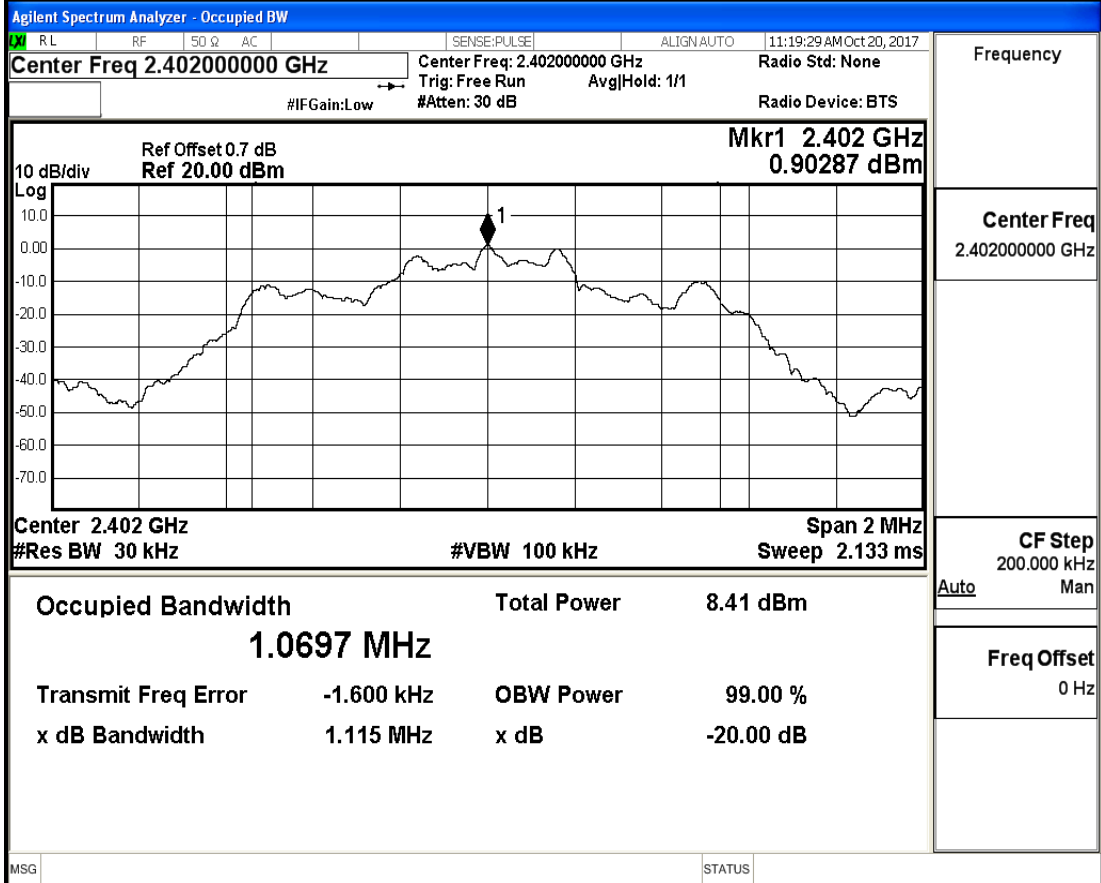
20 dB Bandwidth_2DH1_2441



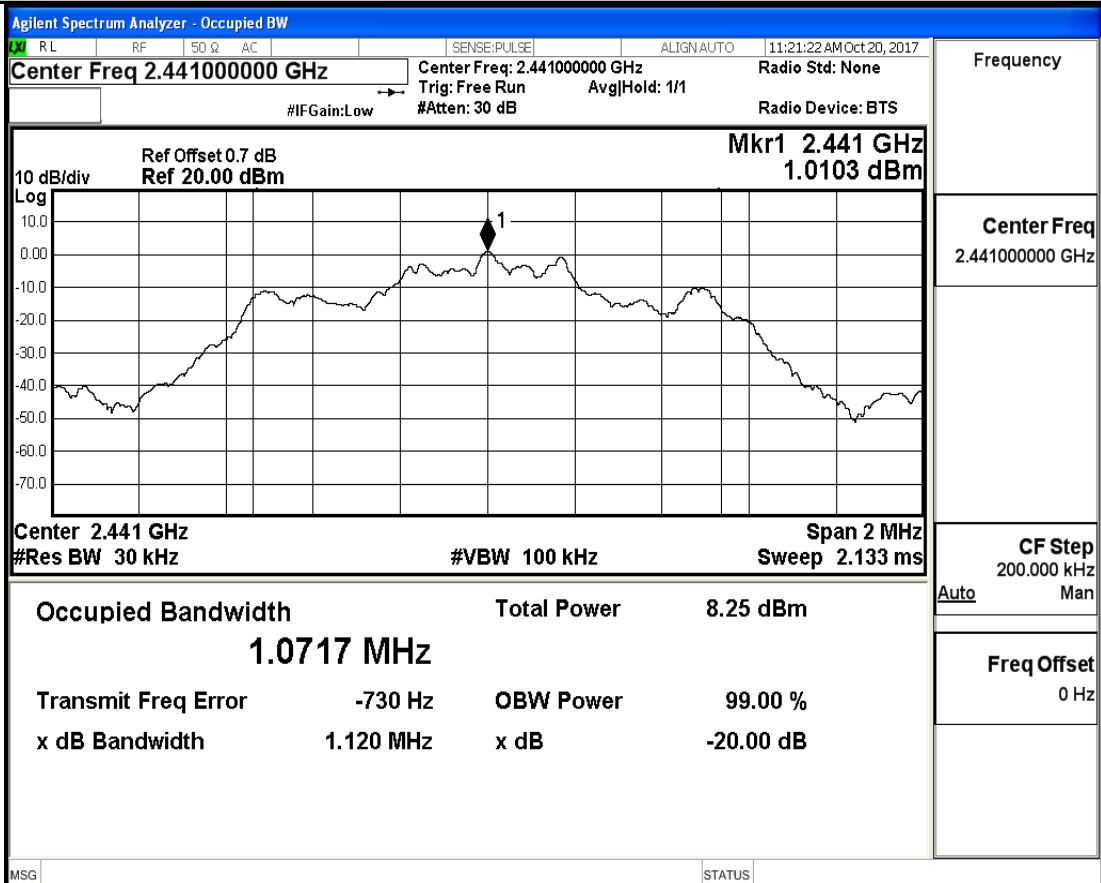
20 dB Bandwidth_2DH1_2480



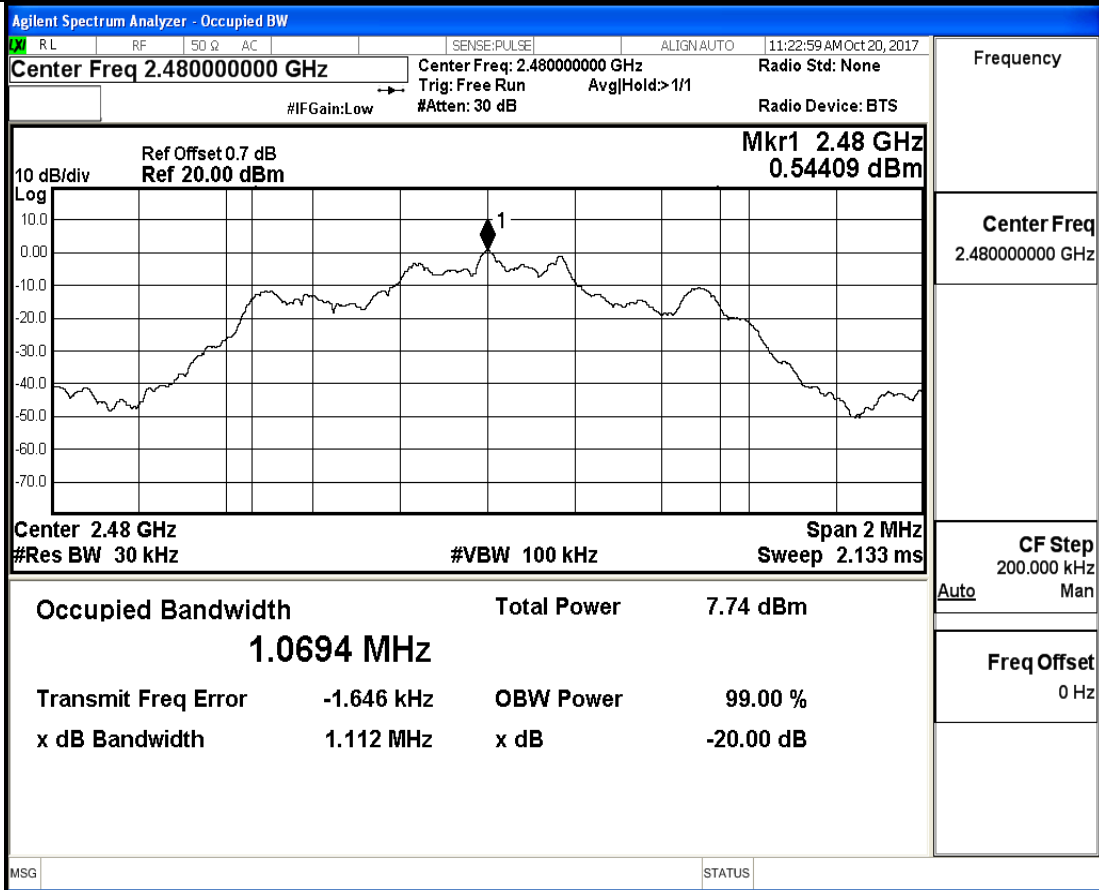
20 dB Bandwidth_3DH1_2402



20 dB Bandwidth_3DH1_2441



20 dB Bandwidth_3DH1_2480



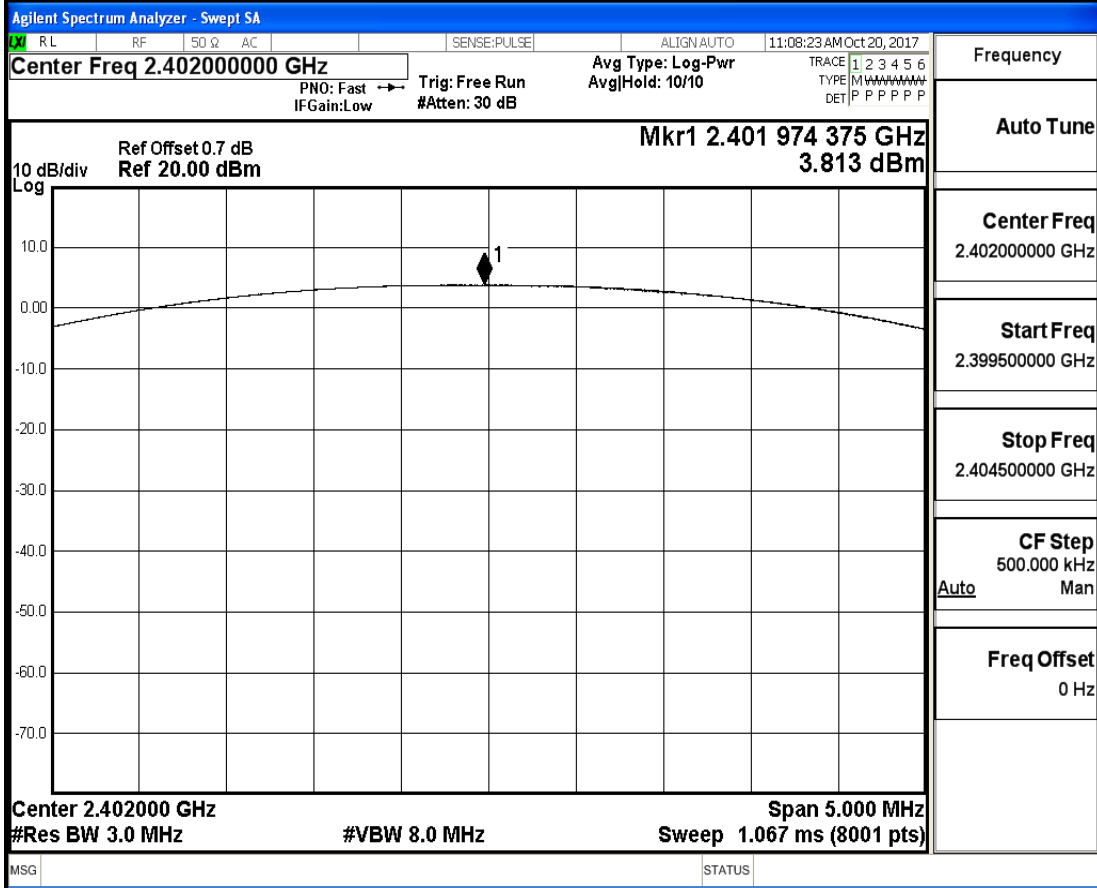
2.Occupied Bandwidth

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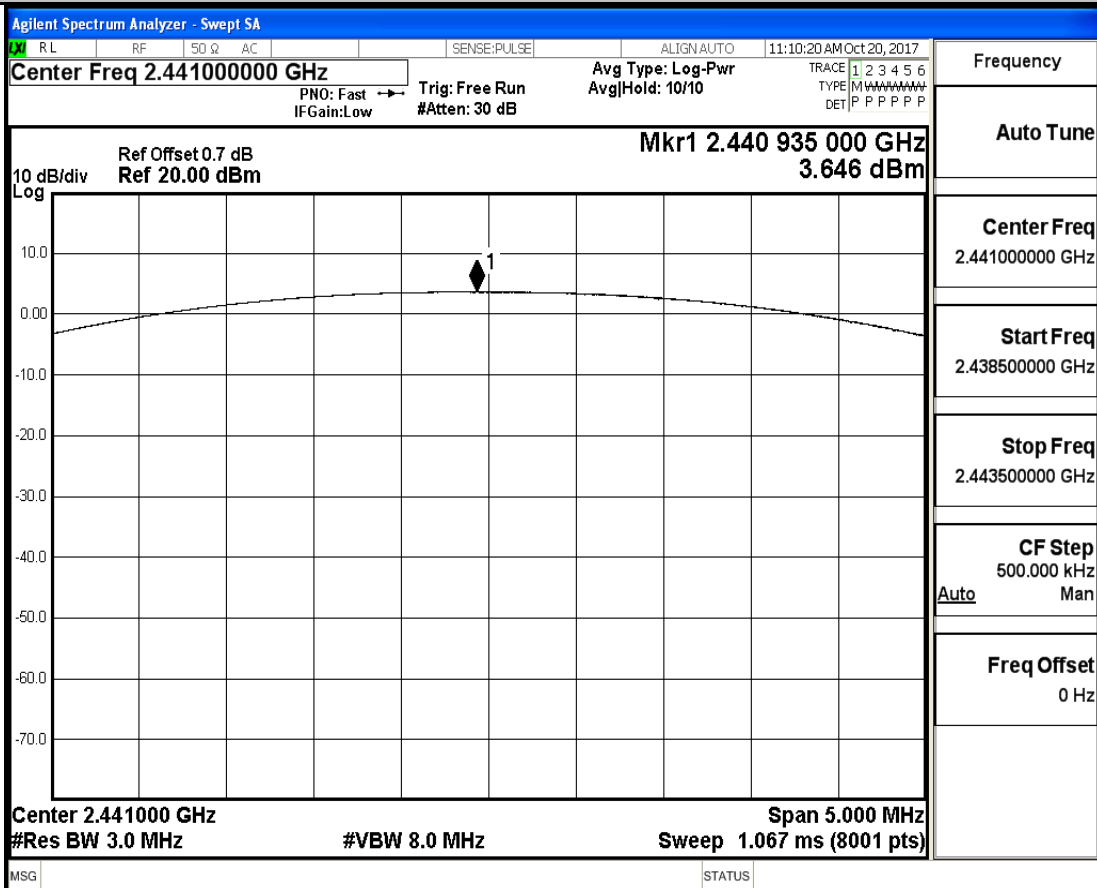
3.Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
DH1	2402	3.813	30	PASS
DH1	2441	3.646	30	PASS
DH1	2480	2.930	30	PASS
2DH1	2402	2.633	30	PASS
2DH1	2441	2.617	30	PASS
2DH1	2480	2.035	30	PASS
3DH1	2402	2.303	30	PASS
3DH1	2441	2.316	30	PASS
3DH1	2480	2.018	30	PASS

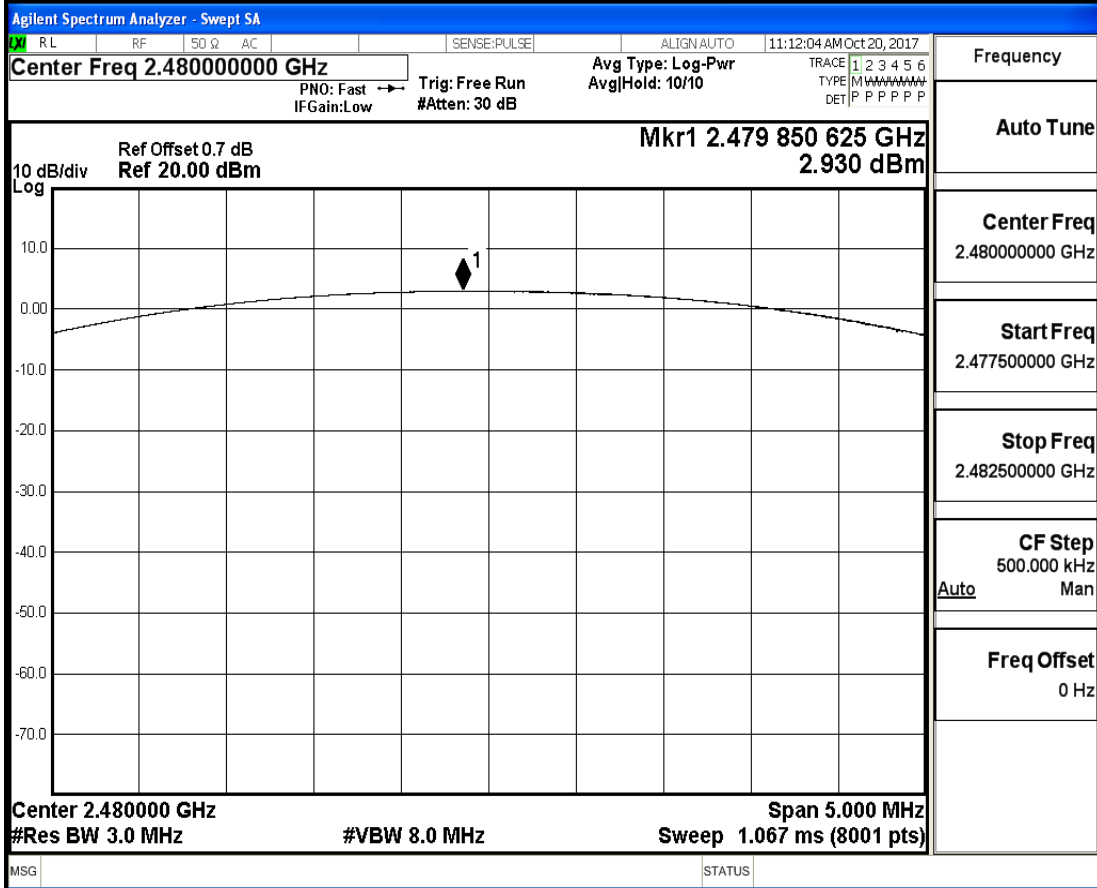
Conducted Peak Output Power_DH1_2402



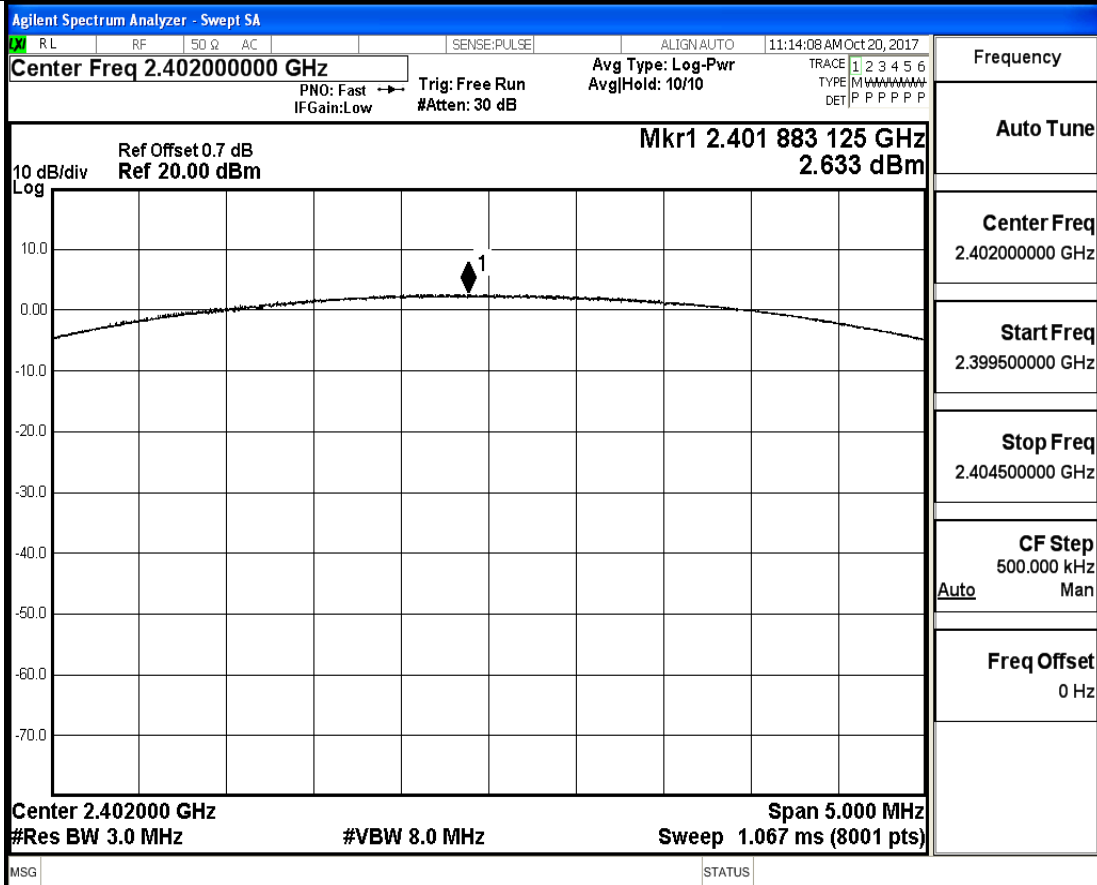
Conducted Peak Output Power_DH1_2441



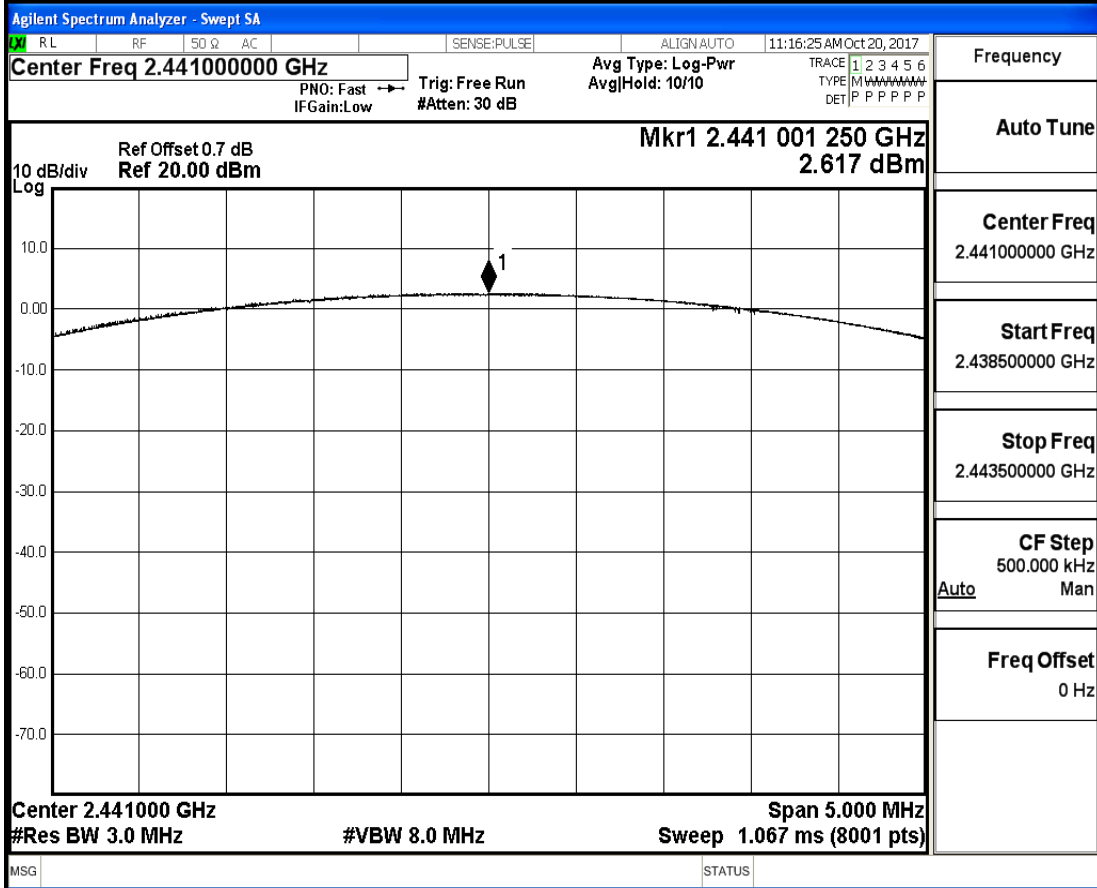
Conducted Peak Output Power_DH1_2480



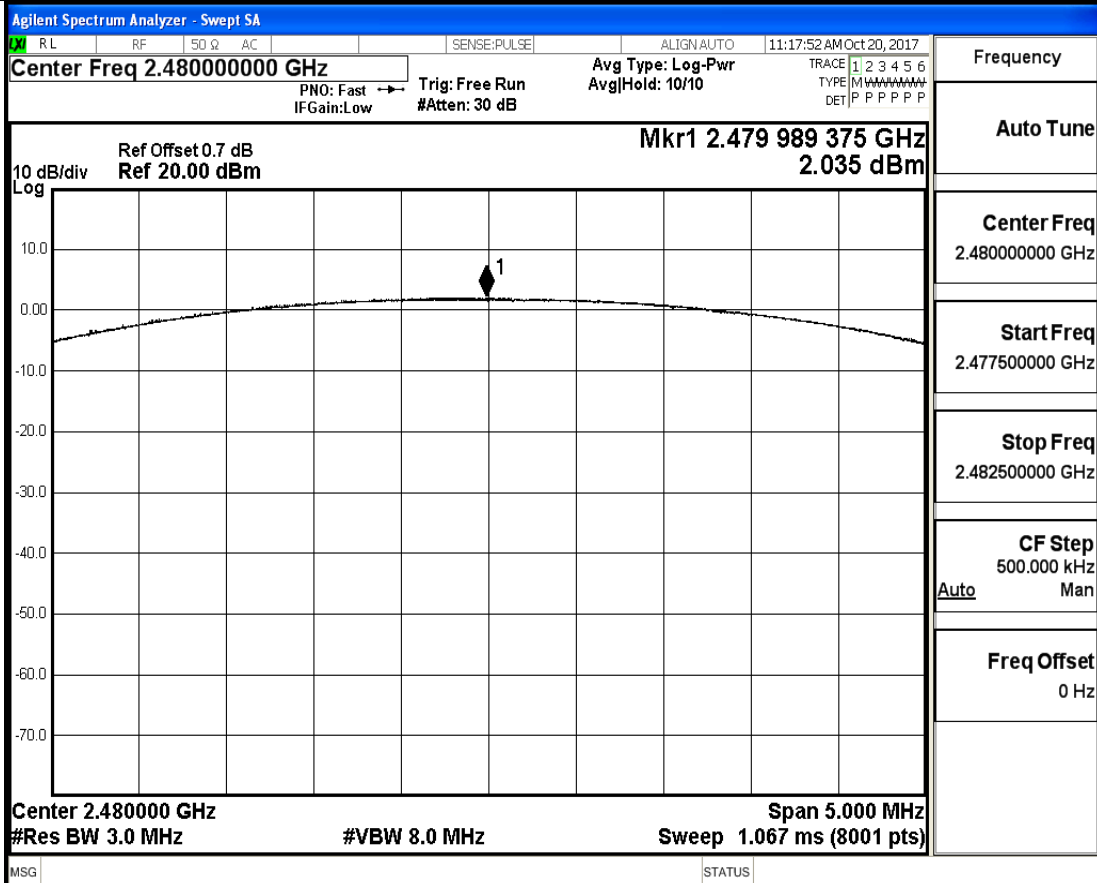
Conducted Peak Output Power_2DH1_2402



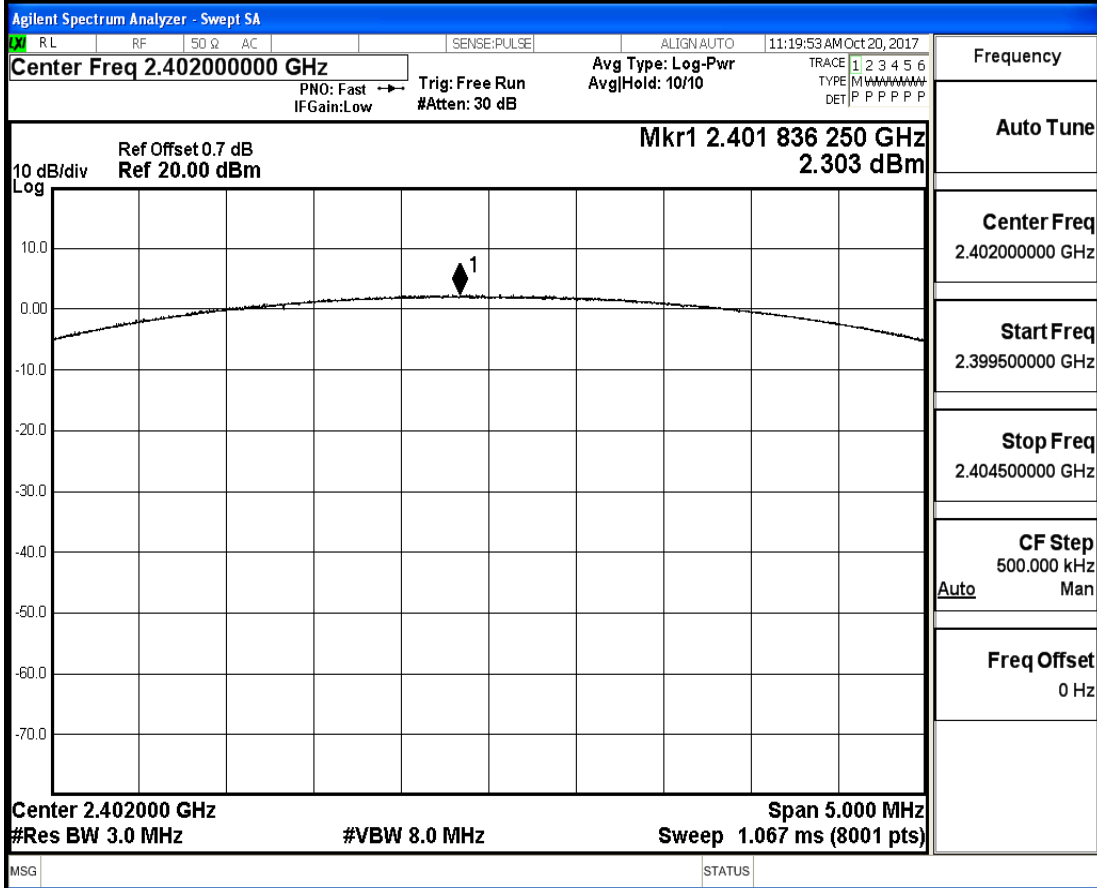
Conducted Peak Output Power_2DH1_2441



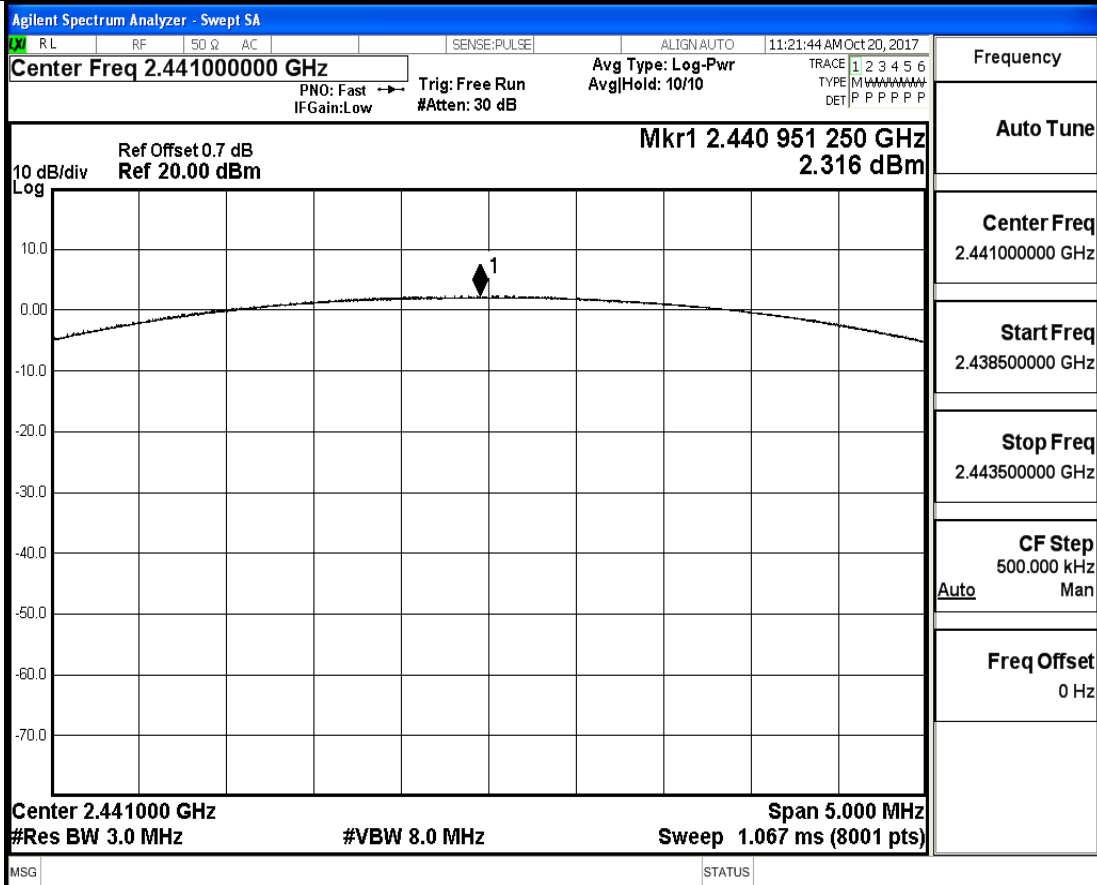
Conducted Peak Output Power_2DH1_2480



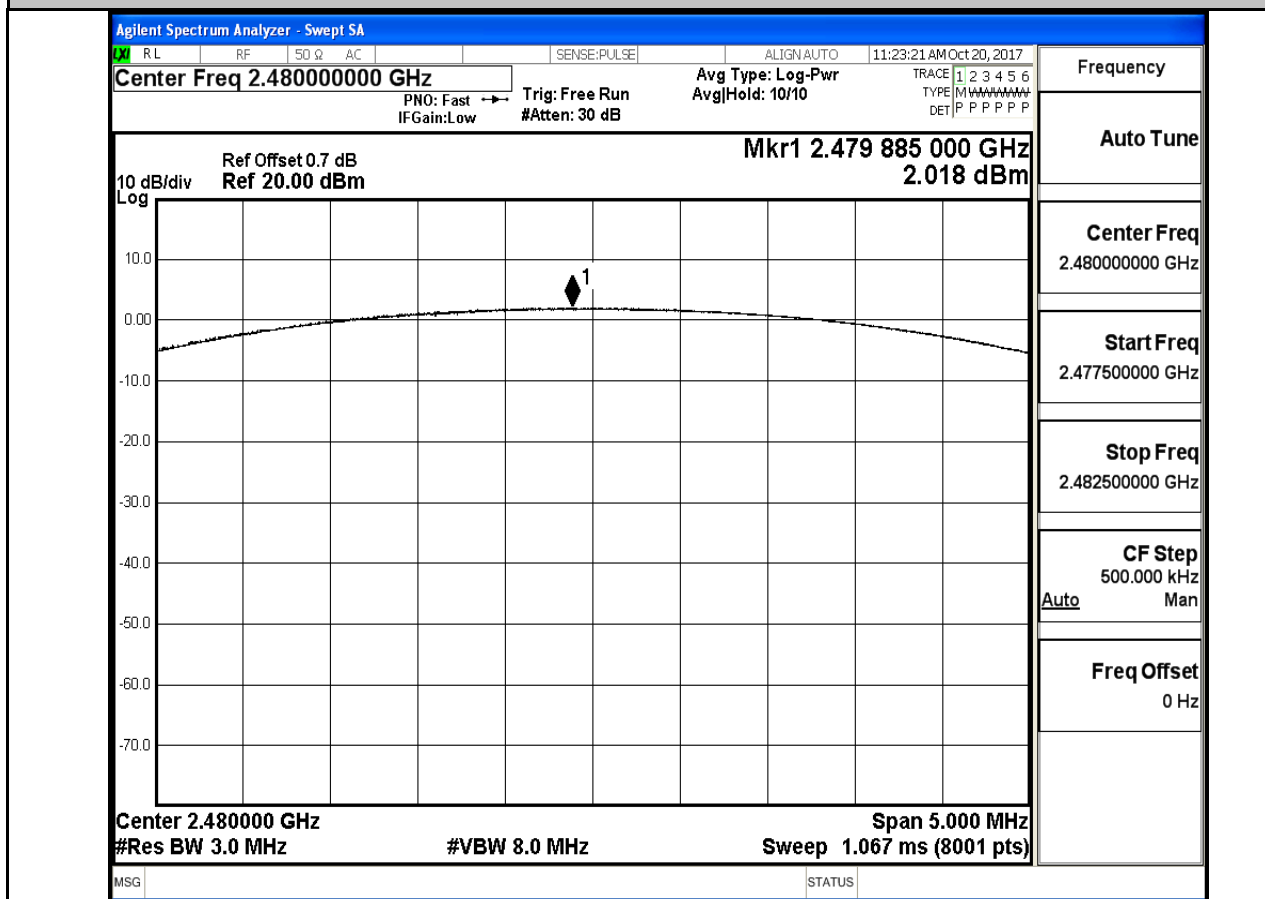
Conducted Peak Output Power_3DH1_2402



Conducted Peak Output Power_3DH1_2441



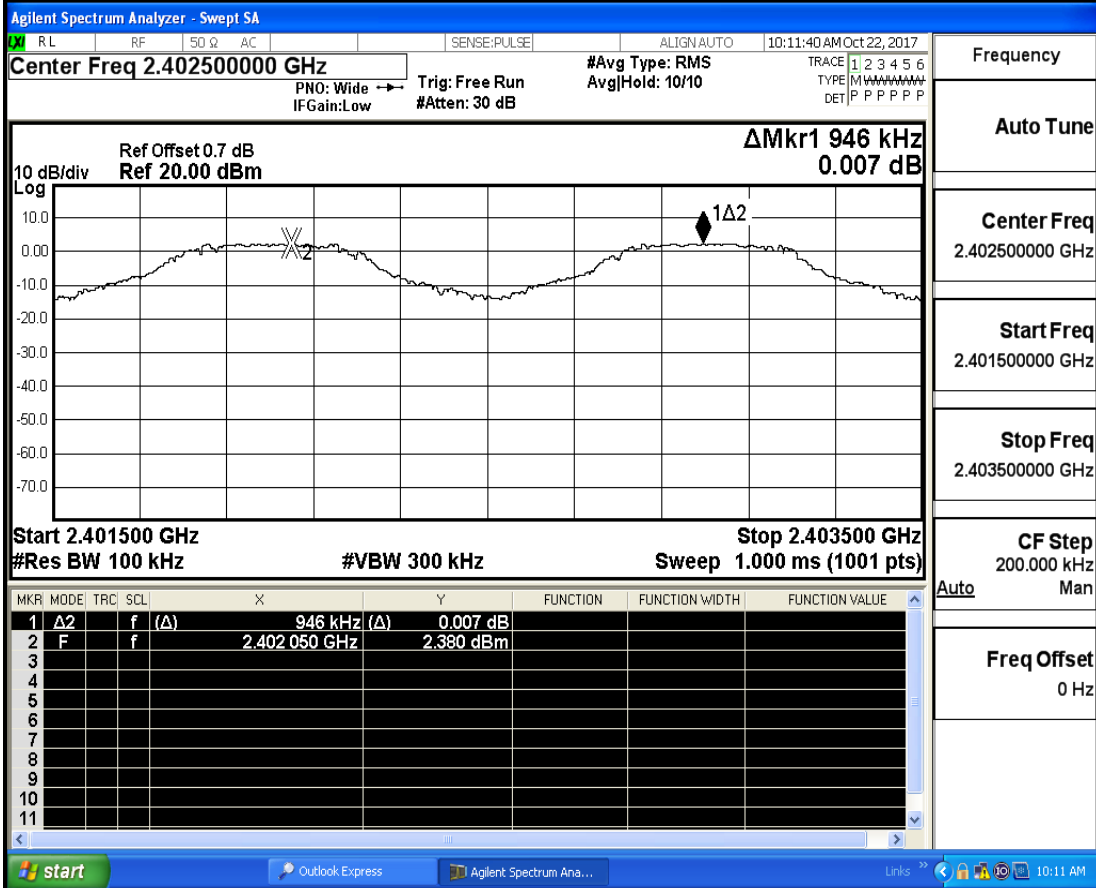
Conducted Peak Output Power_3DH1_2480



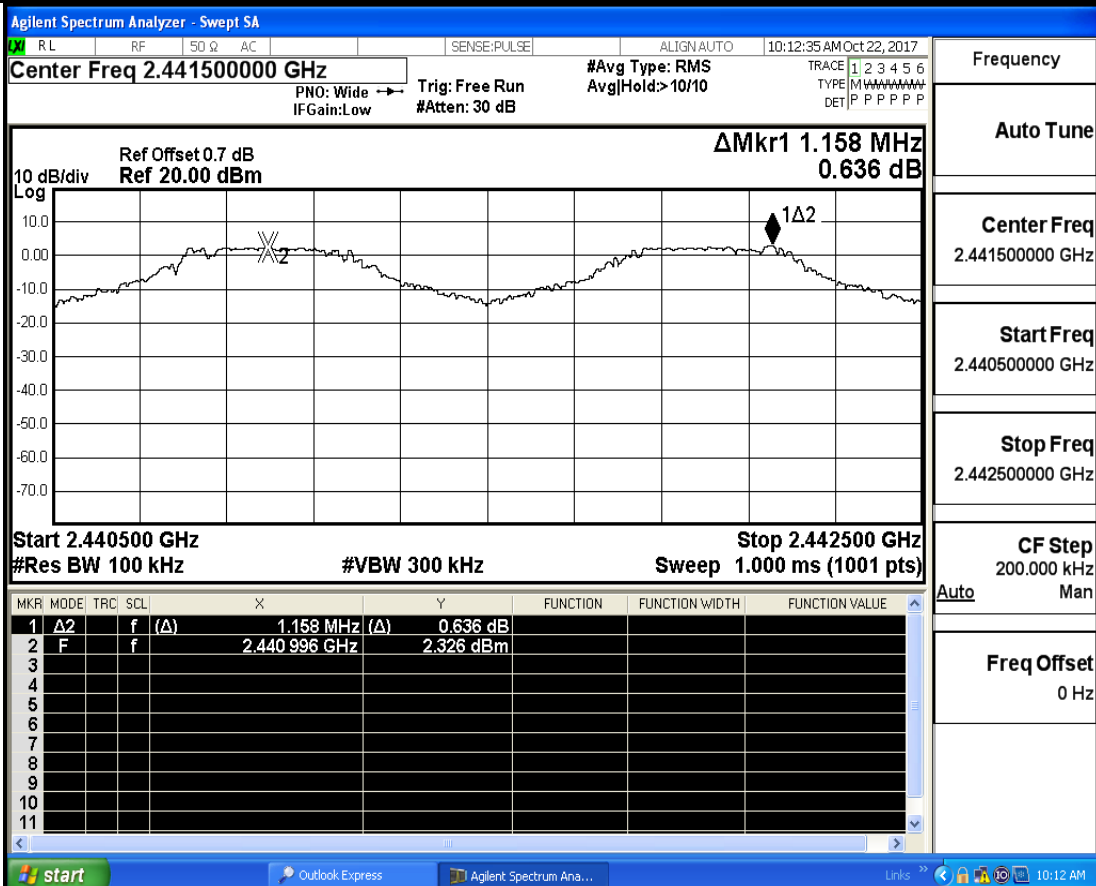
4.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
DH1	2402	0.946	0.6873	PASS
DH1	2441	1.158	0.6893	PASS
DH1	2480	0.98	0.6893	PASS
2DH1	2402	0.894	0.8606	PASS
2DH1	2441	1.016	0.8600	PASS
2DH1	2480	1.322	0.8753	PASS
3DH1	2402	0.982	0.8700	PASS
3DH1	2441	0.98	0.8620	PASS
3DH1	2480	1.016	0.8626	PASS

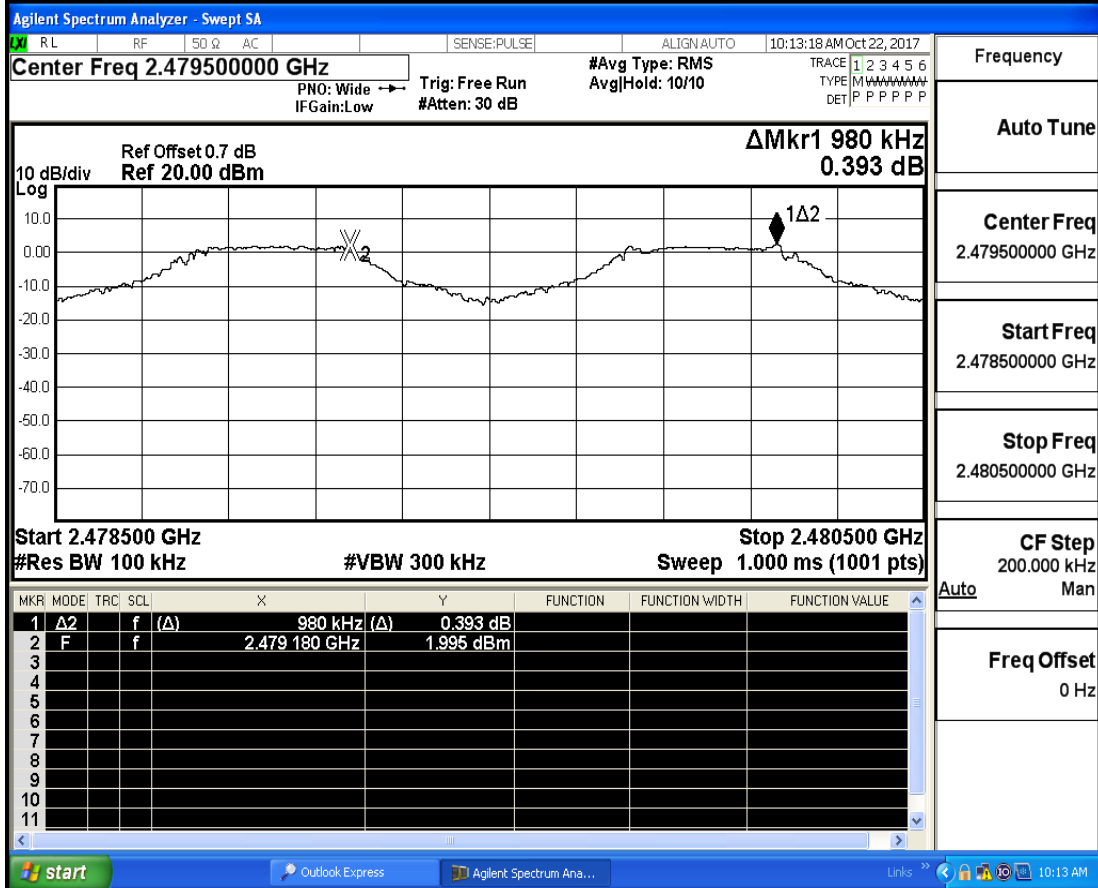
Carrier Frequency Separation_DH1_2402



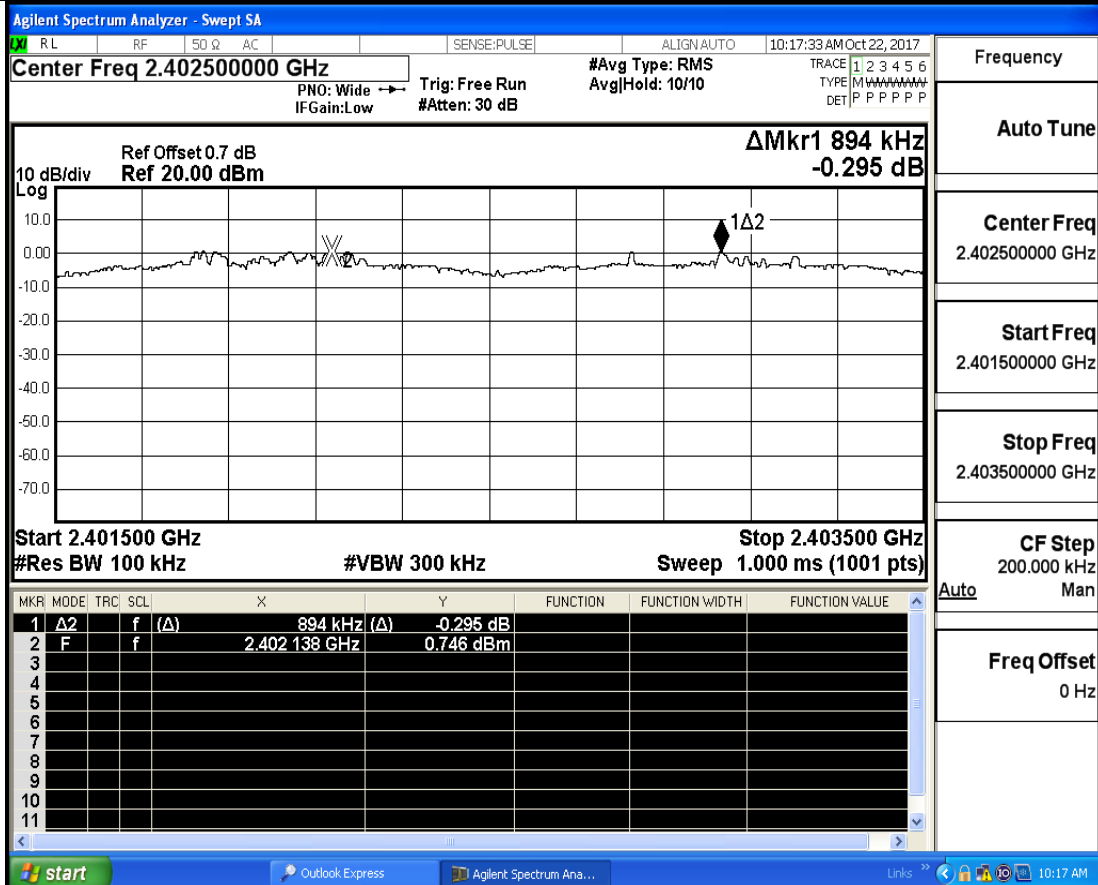
Carrier Frequency Separation_DH1_2441



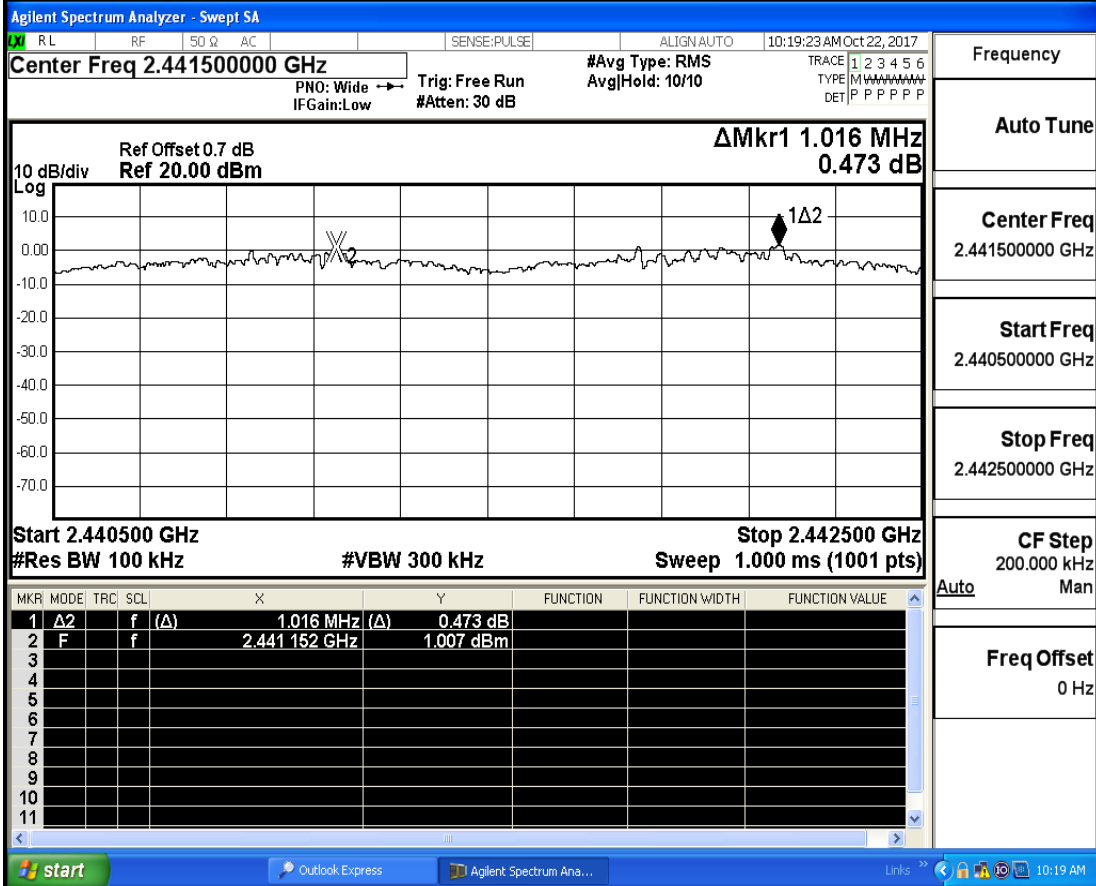
Carrier Frequency Separation_DH1_2480



Carrier Frequency Separation_2DH1_2402



Carrier Frequency Separation_2DH1_2441



Frequency

Auto Tune

Center Freq
2.441500000 GHz

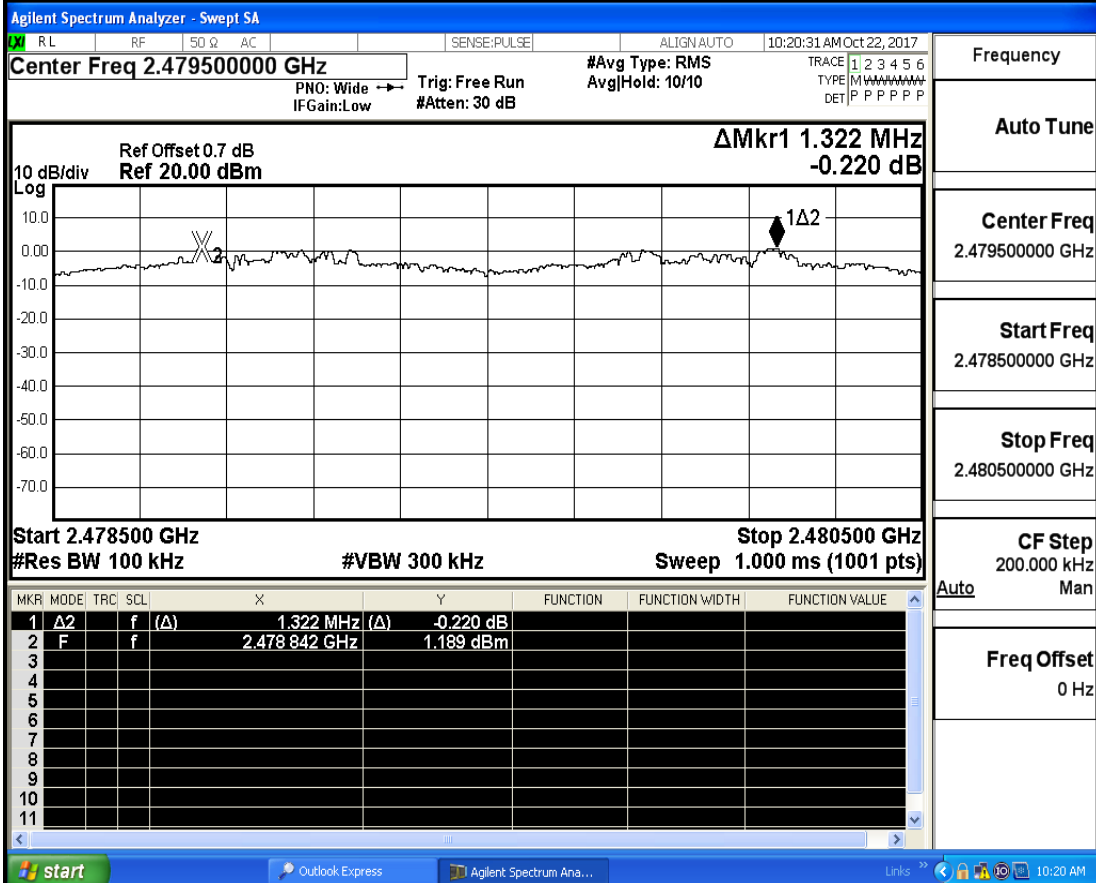
Start Freq
2.440500000 GHz

Stop Freq
2.442500000 GHz

CF Step
200.000 kHz
Auto Man

Freq Offset
0 Hz

Carrier Frequency Separation_2DH1_2480



Frequency

Auto Tune

Center Freq
2.479500000 GHz

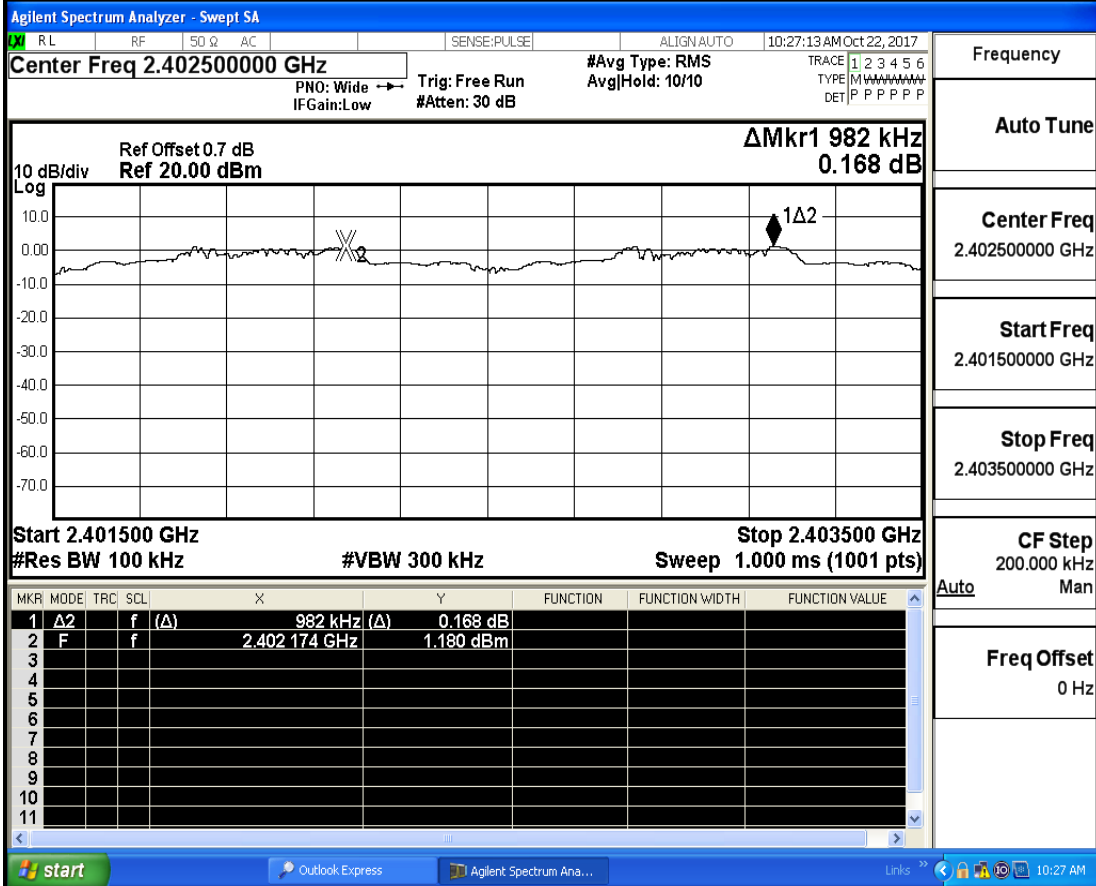
Start Freq
2.478500000 GHz

Stop Freq
2.480500000 GHz

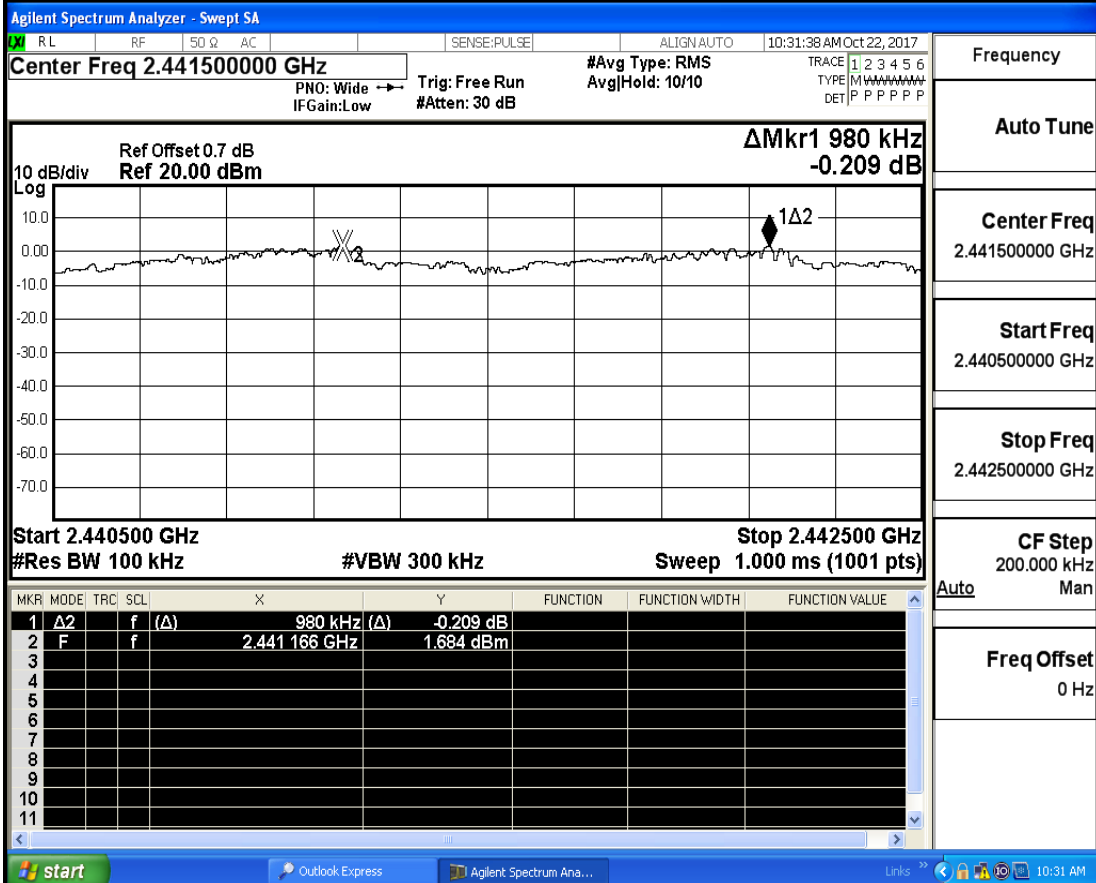
CF Step
200.000 kHz
Auto Man

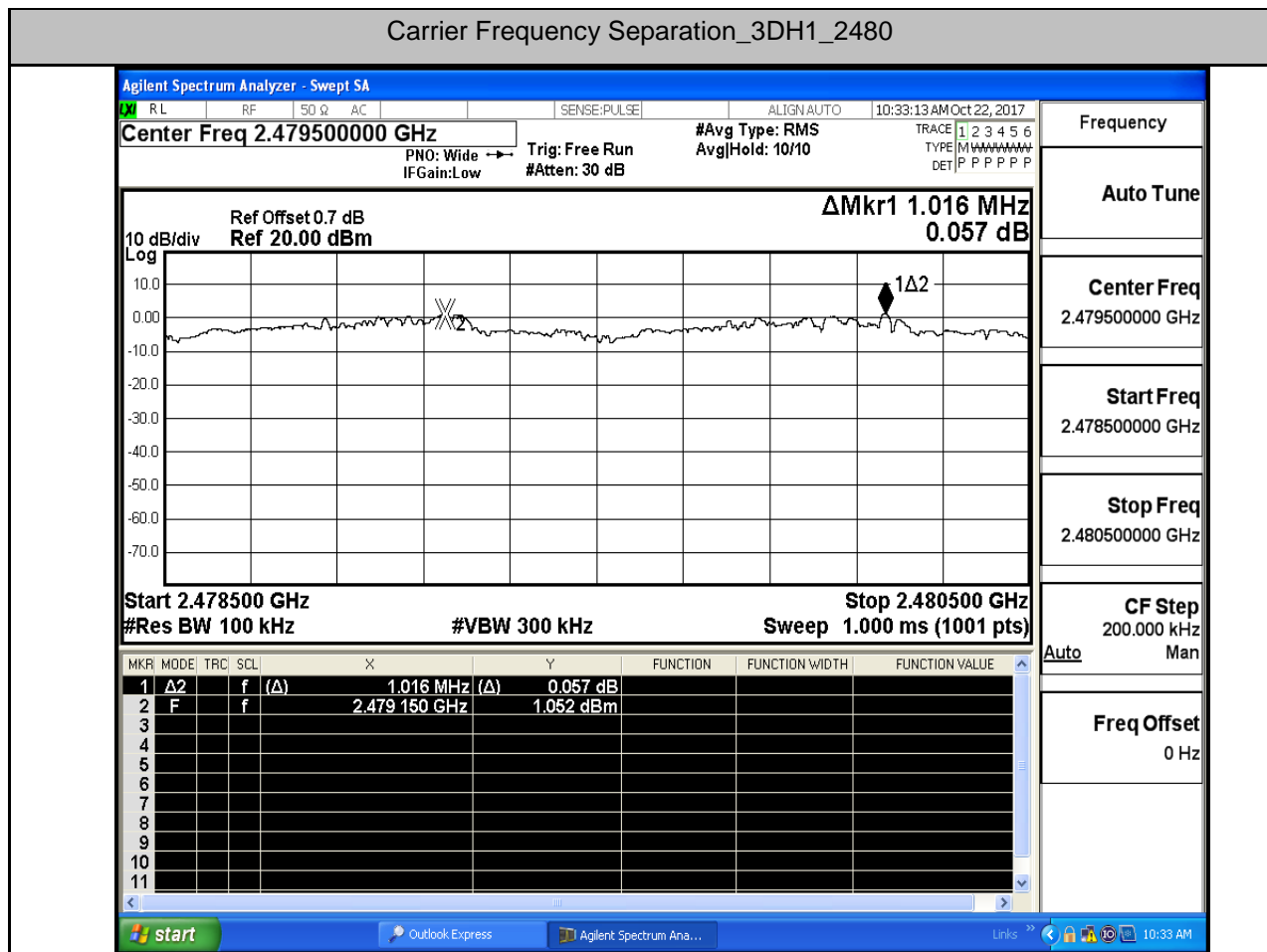
Freq Offset
0 Hz

Carrier Frequency Separation_3DH1_2402



Carrier Frequency Separation_3DH1_2441

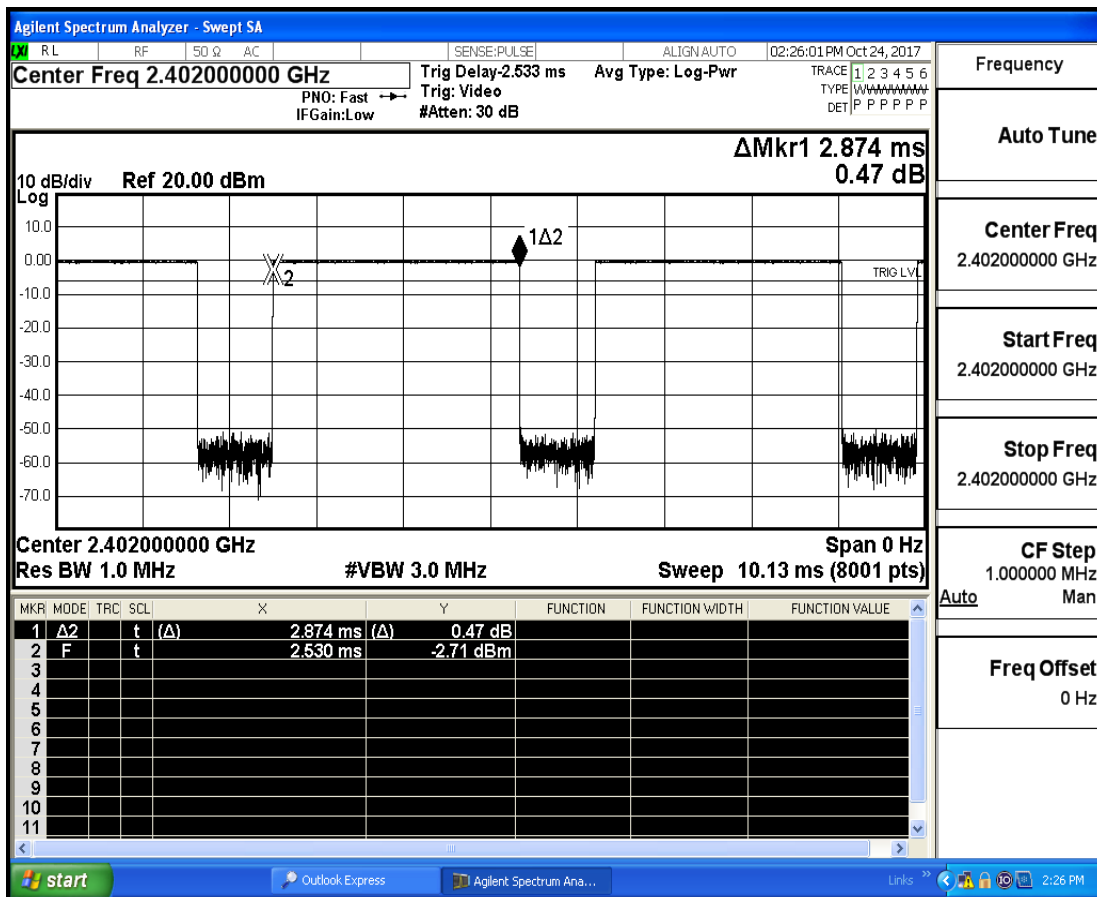




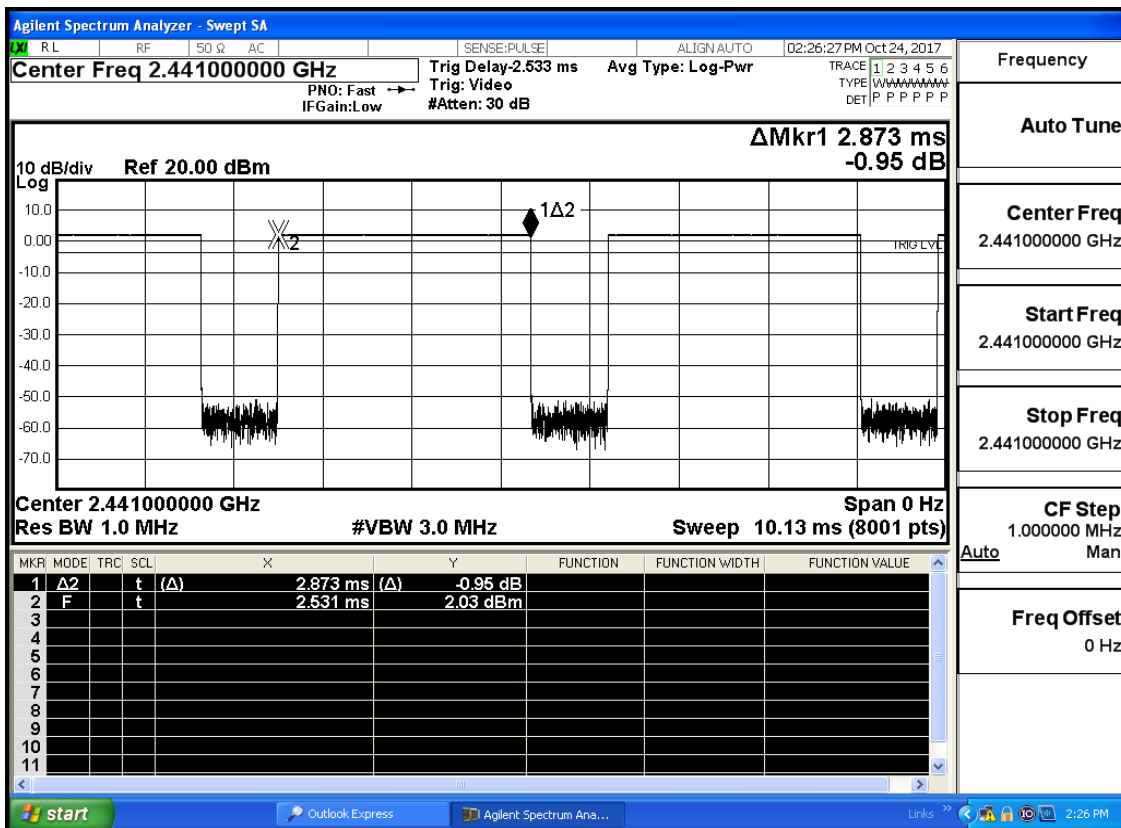
5.Dwell Time

Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
DH5	2402	2.87	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

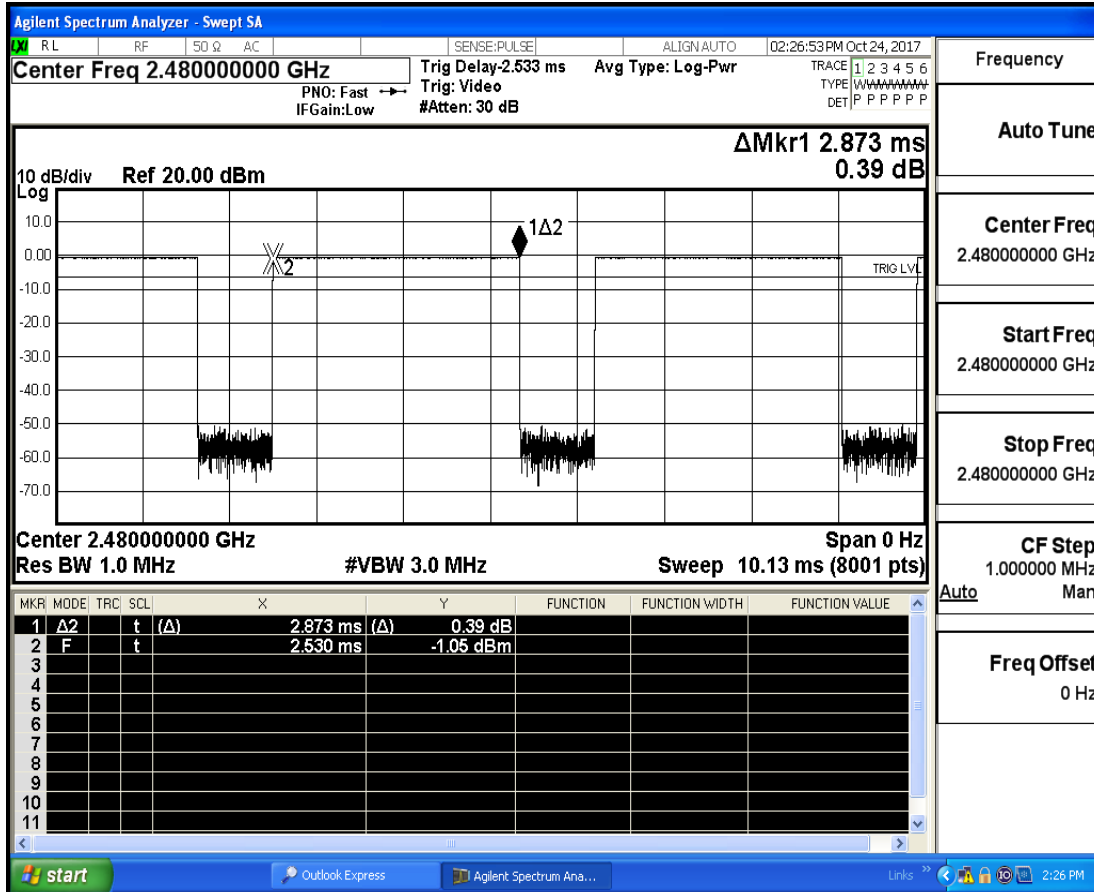
Dwell Time_DH5_2402



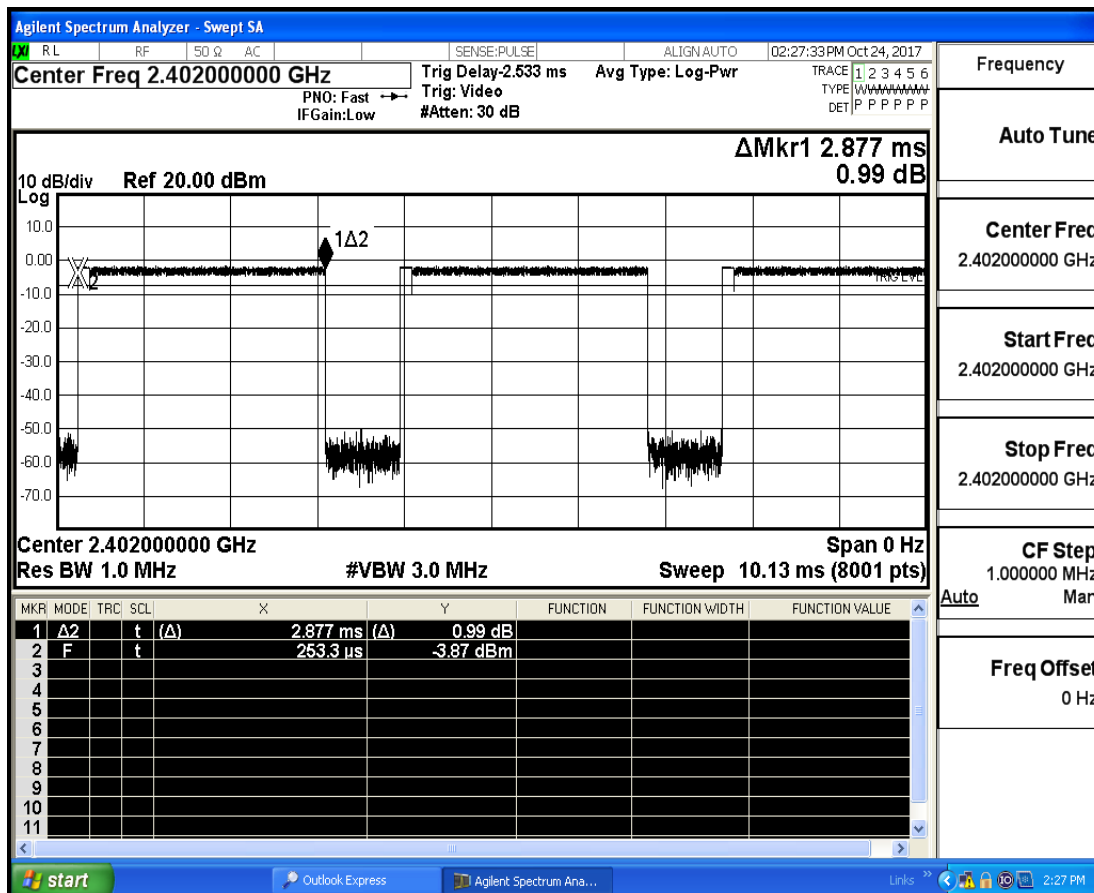
Dwell Time_DH5_2441



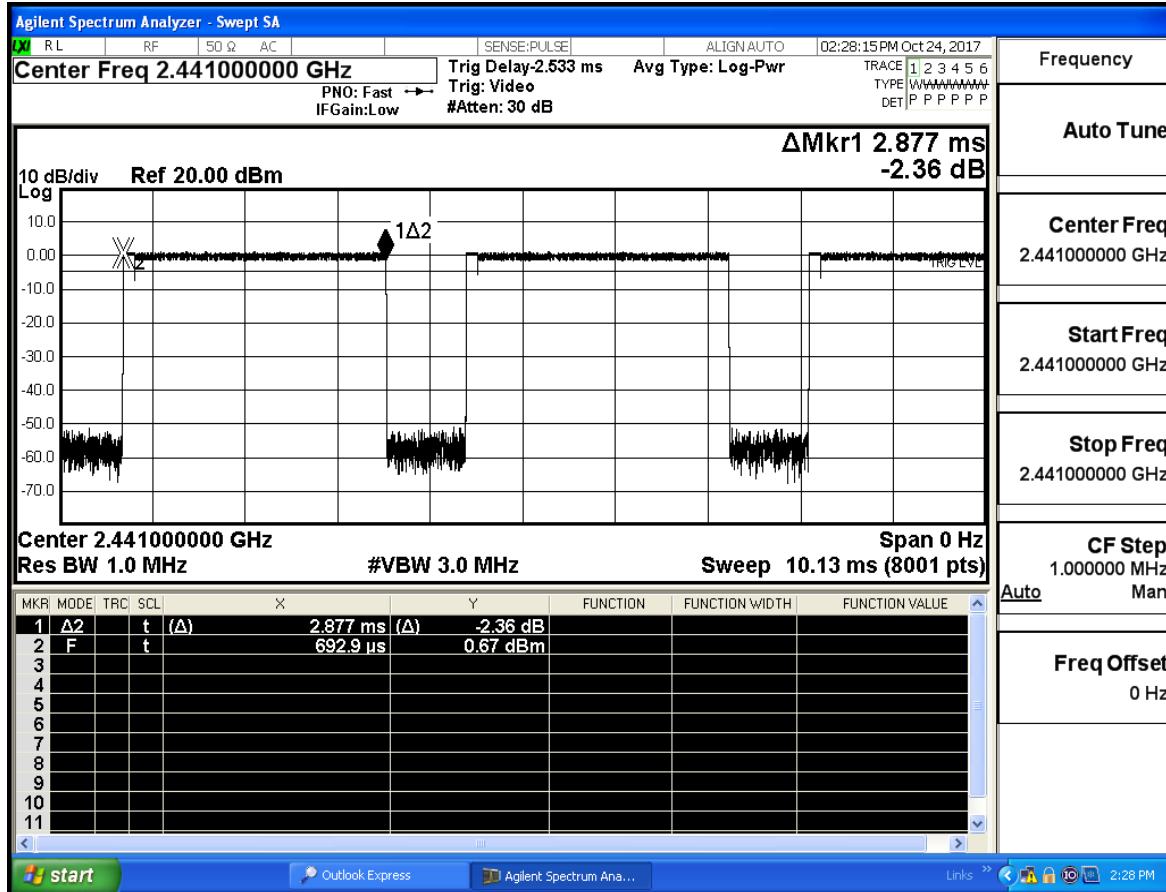
Dwell Time_DH5_2480



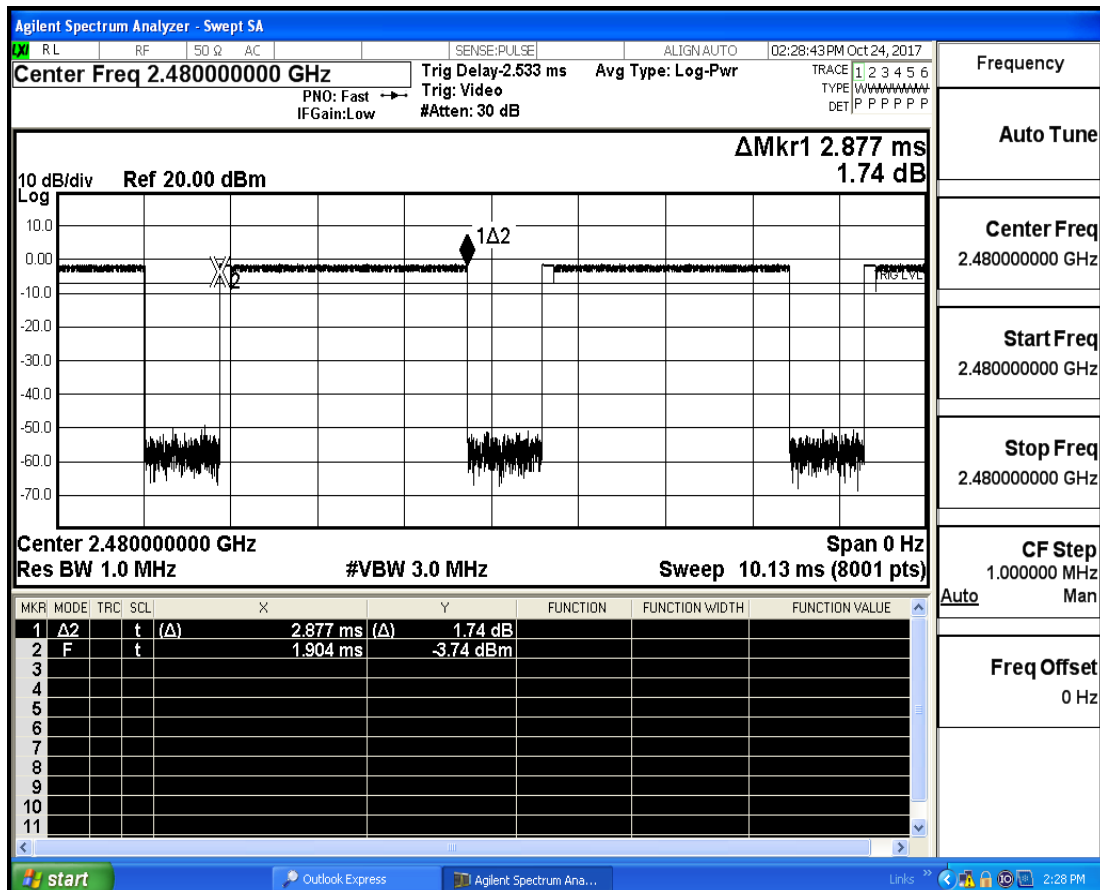
Dwell Time_2DH5_2402



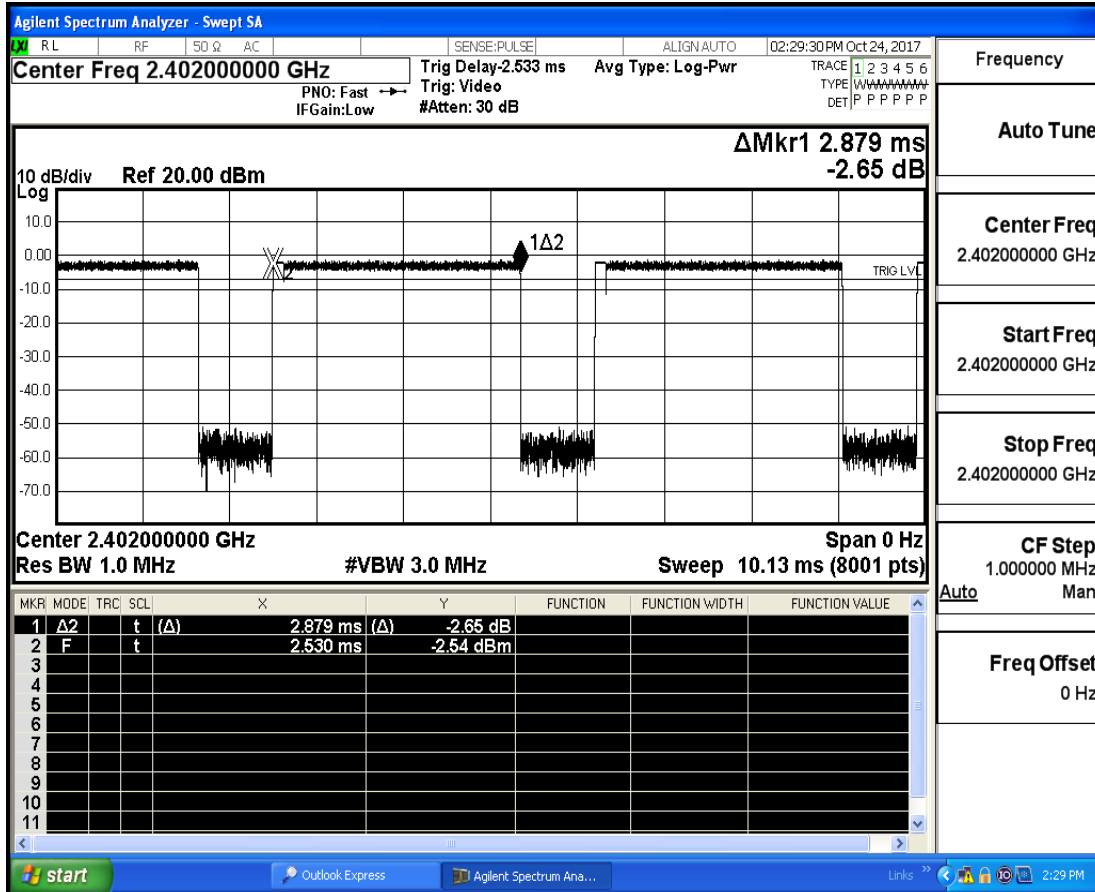
Dwell Time_2DH5_2441



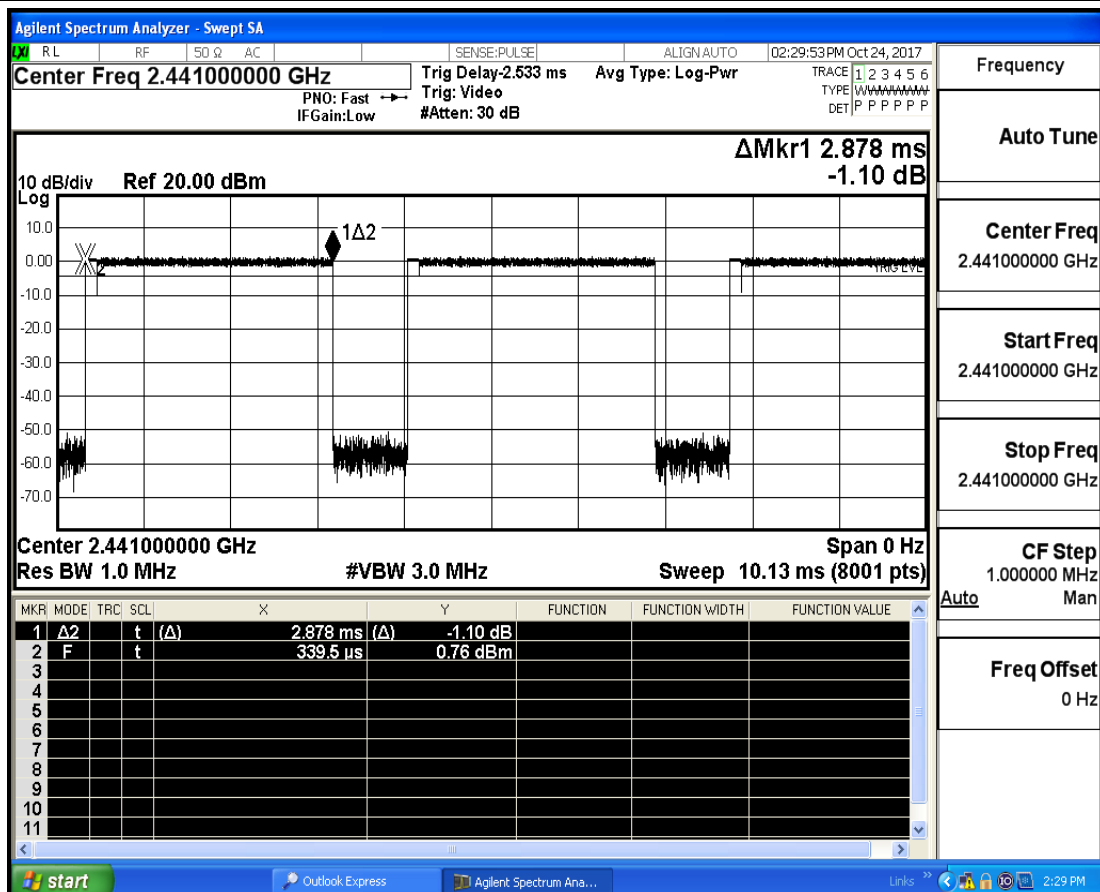
Dwell Time_2DH5_2480



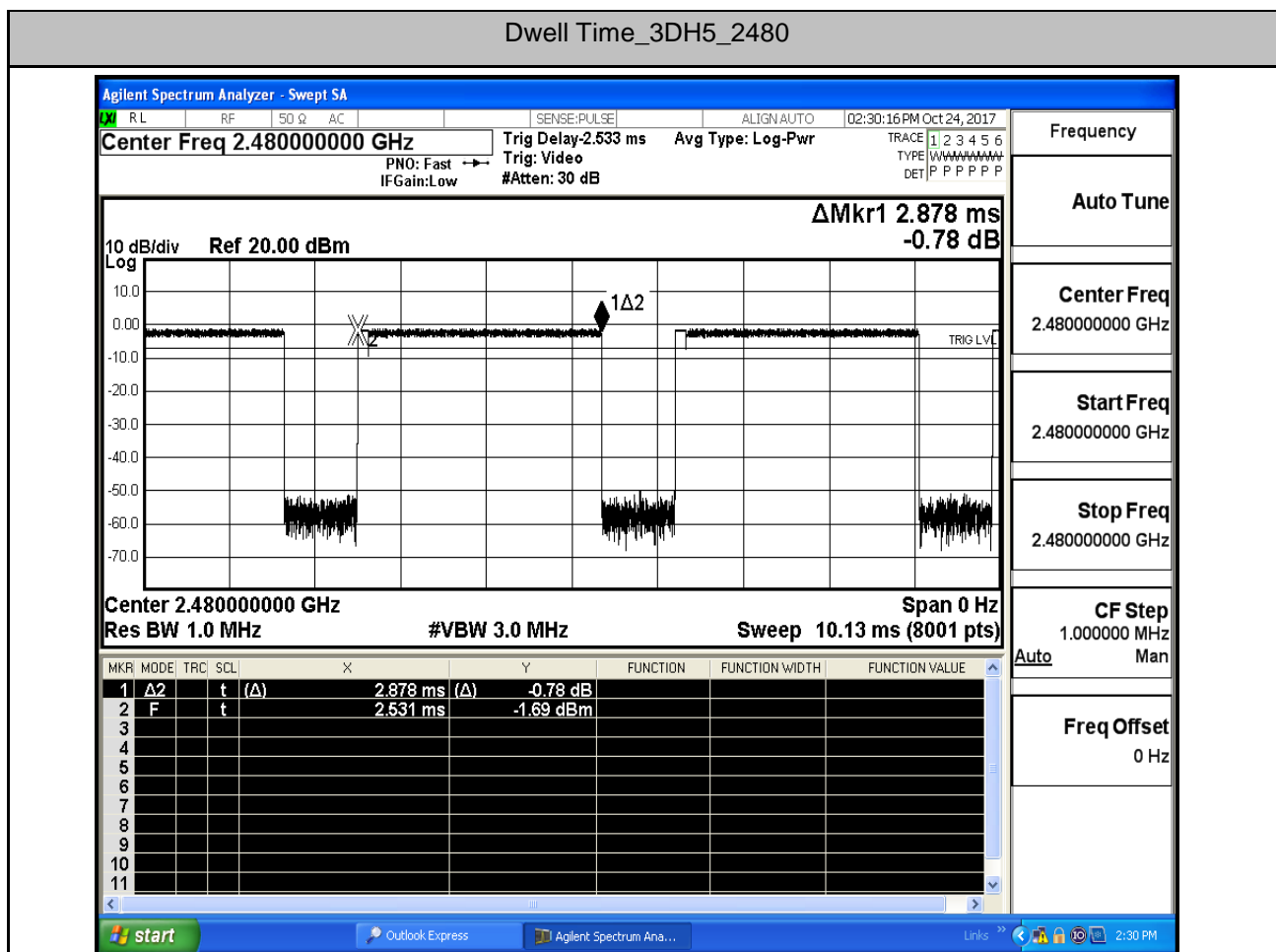
Dwell Time_3DH5_2402



Dwell Time_3DH5_2441



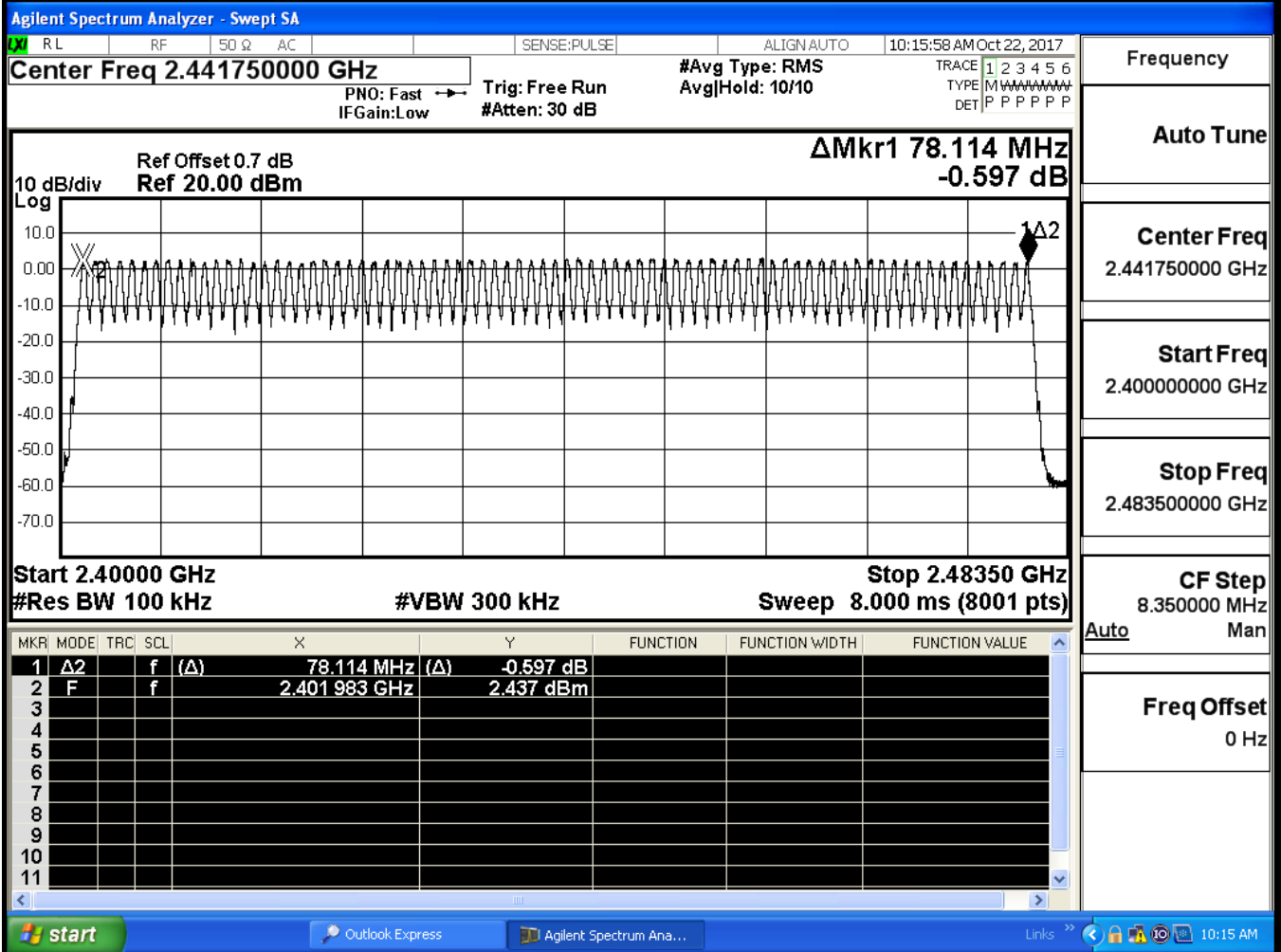
Dwell Time_3DH5_2480



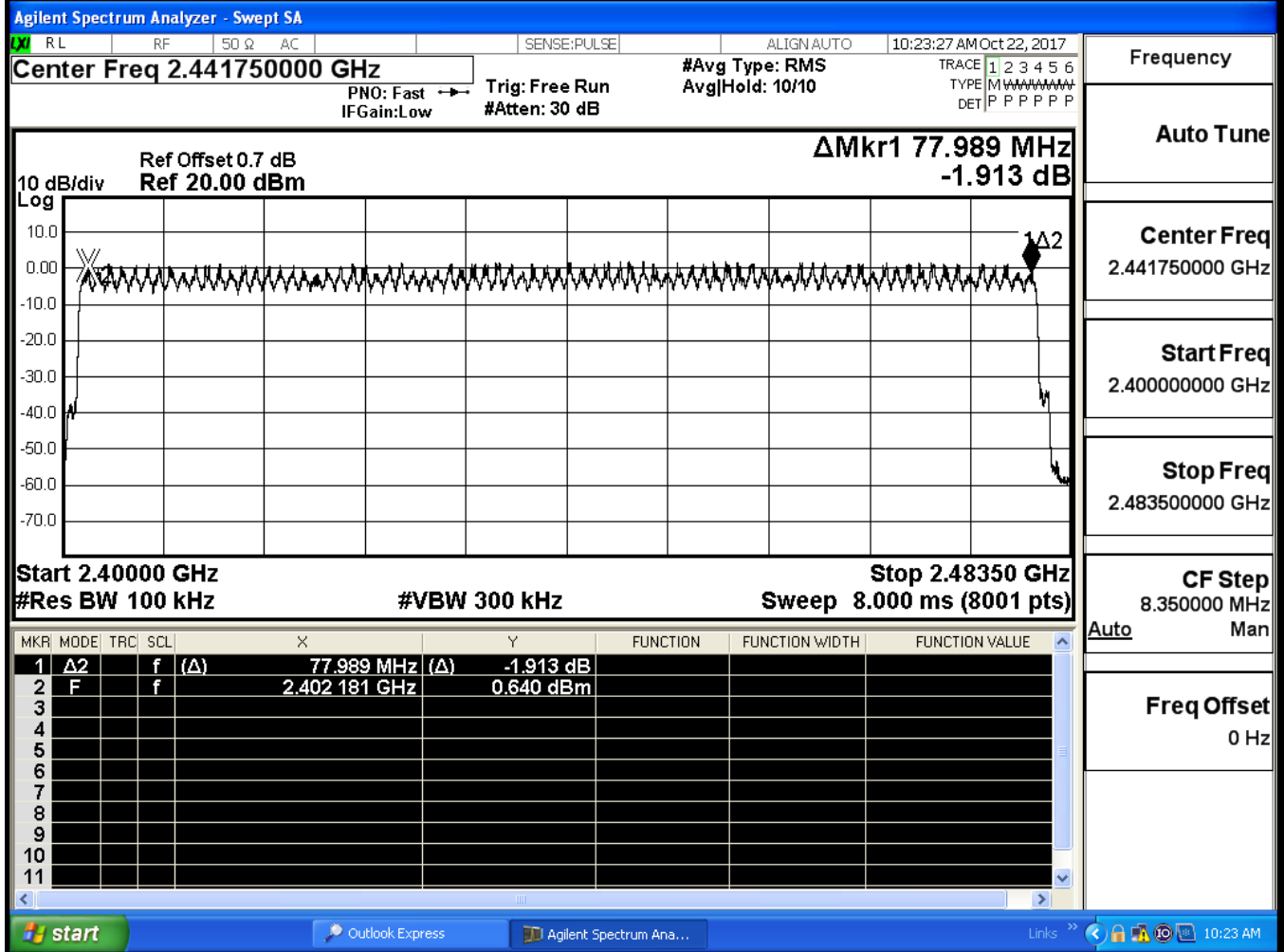
6.Hopping Channel Number

Test Mode	Test Channel	Number of Hopping Channel[N]	Limit[N]	Verdict
DH1	2402	79	≥ 15	PASS
2DH1	2402	79	≥ 15	PASS
3DH1	2402	79	≥ 15	PASS

Hopping Channel Number_DH1_2402



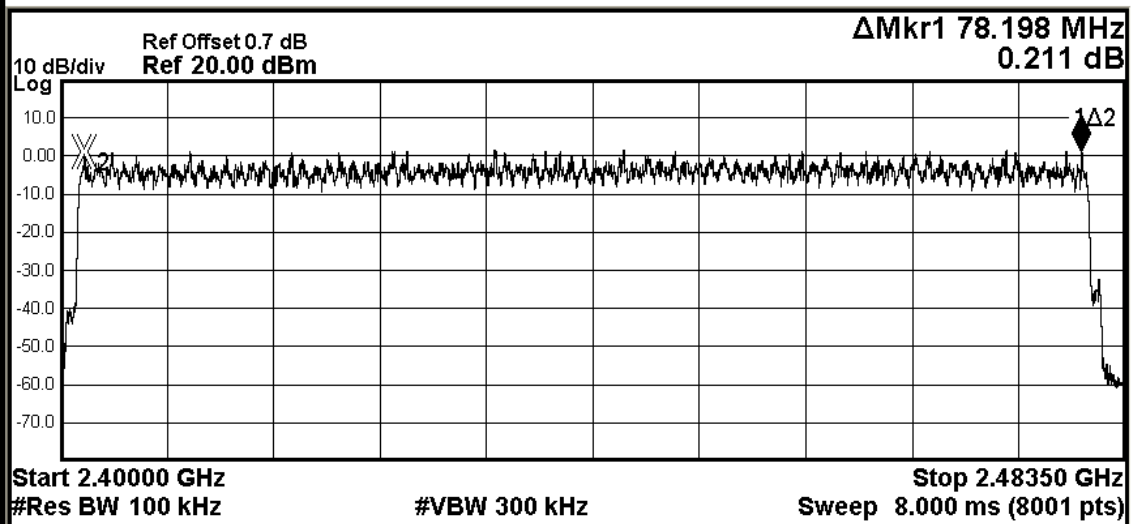
Hopping Channel Number_2DH1_2402



Hopping Channel Number_3DH1_2402

Agilent Spectrum Analyzer - Swept SA

☒ RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 10:34:48 AM Oct 22, 2017
Center Freq 2.441750000 GHz #Avg Type: RMS #Avg Hold: 10/10 TRACE 1 2 3 4 5 6
 PNO: Fast Trig: Free Run TYPE: M W W W W W W W W W
 IF Gain: Low #Atten: 30 dB DET: P P P P P P



MRK	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ 2		f	(Δ) 78.198 MHz	(Δ) 0.211 dB			
2	F		f	2.401858 GHz	0.832 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq

2.441750000 GHz

Start Freq

2.400000000 GHz

Stop Freq

2.483500000 GHz

CF Step

8.350000 MHz

Auto

Man

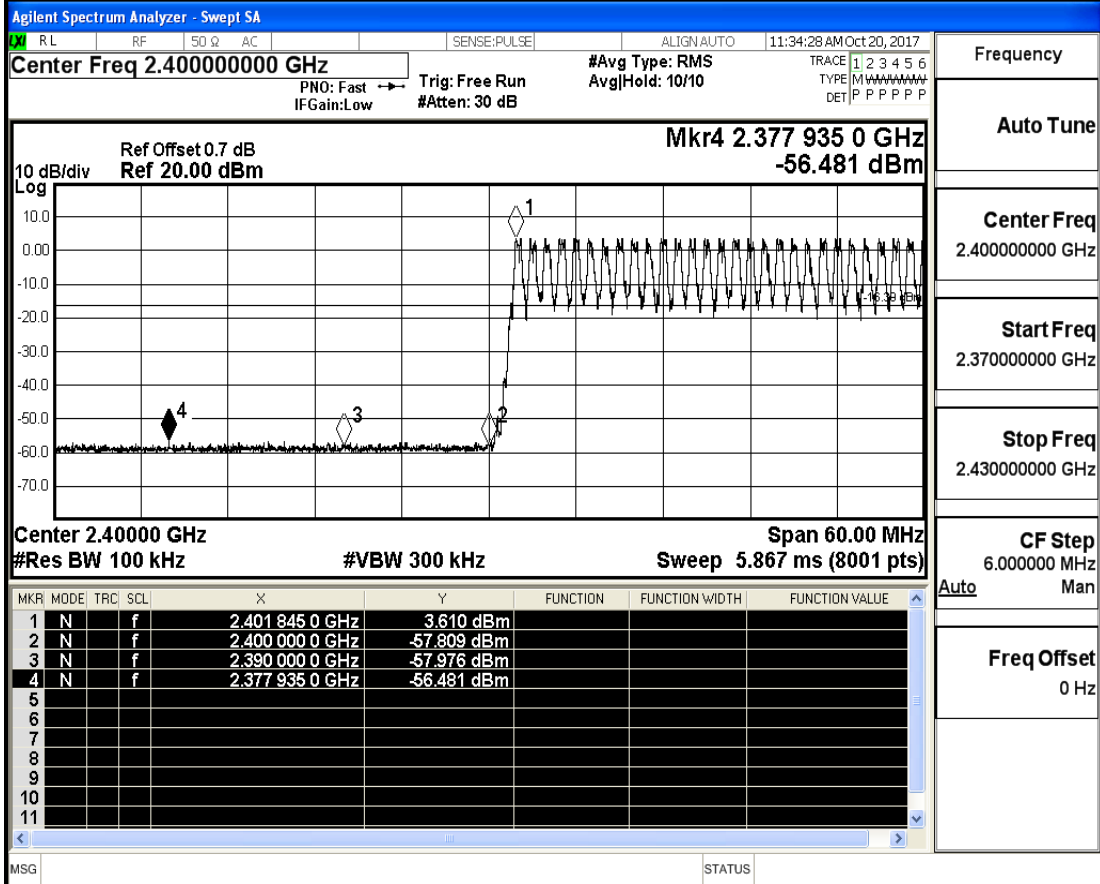
Freq Offset

0 Hz

7.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH1	2402	On	3.610	-56.481	-16.39	PASS
DH1	2402	Off	3.583	-57.237	-16.42	PASS
DH1	2480	On	3.406	-56.246	-16.59	PASS
DH1	2480	Off	2.795	-57.308	-17.21	PASS
2DH1	2402	On	1.802	-56.952	-18.2	PASS
2DH1	2402	Off	1.865	-57.657	-18.14	PASS
2DH1	2480	On	1.774	-56.501	-18.23	PASS
2DH1	2480	Off	1.597	-57.005	-18.4	PASS
3DH5	2402	On	1.481	-56.252	-18.52	PASS
3DH1	2402	Off	1.819	-56.393	-18.18	PASS
3DH5	2480	On	1.285	-56.395	-18.72	PASS
3DH1	2480	Off	1.201	-57.444	-18.8	PASS

Band-edge for RF Conducted Emissions_DH1_2402_Hopping On



Frequency

Auto Tune

Center Freq
2.400000000 GHz

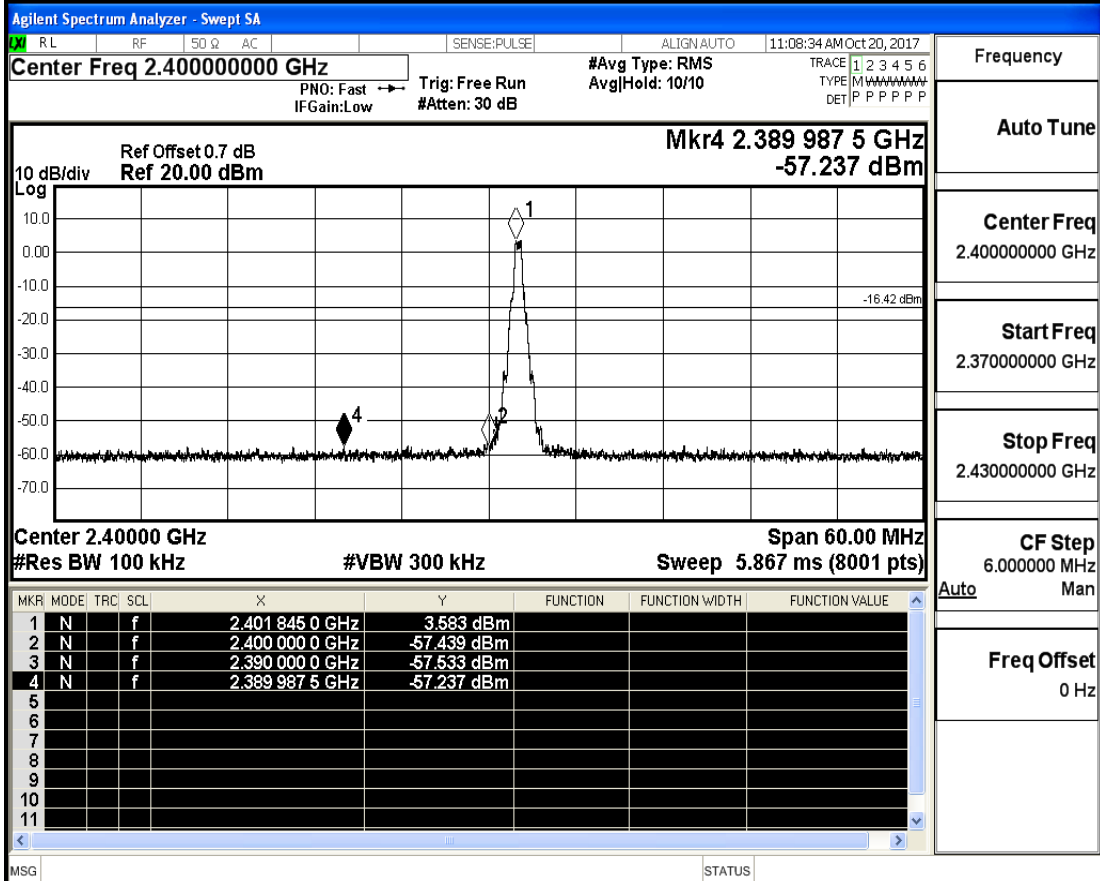
Start Freq
2.370000000 GHz

Stop Freq
2.430000000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_DH1_2402_Hopping Off



Frequency

Auto Tune

Center Freq
2.400000000 GHz

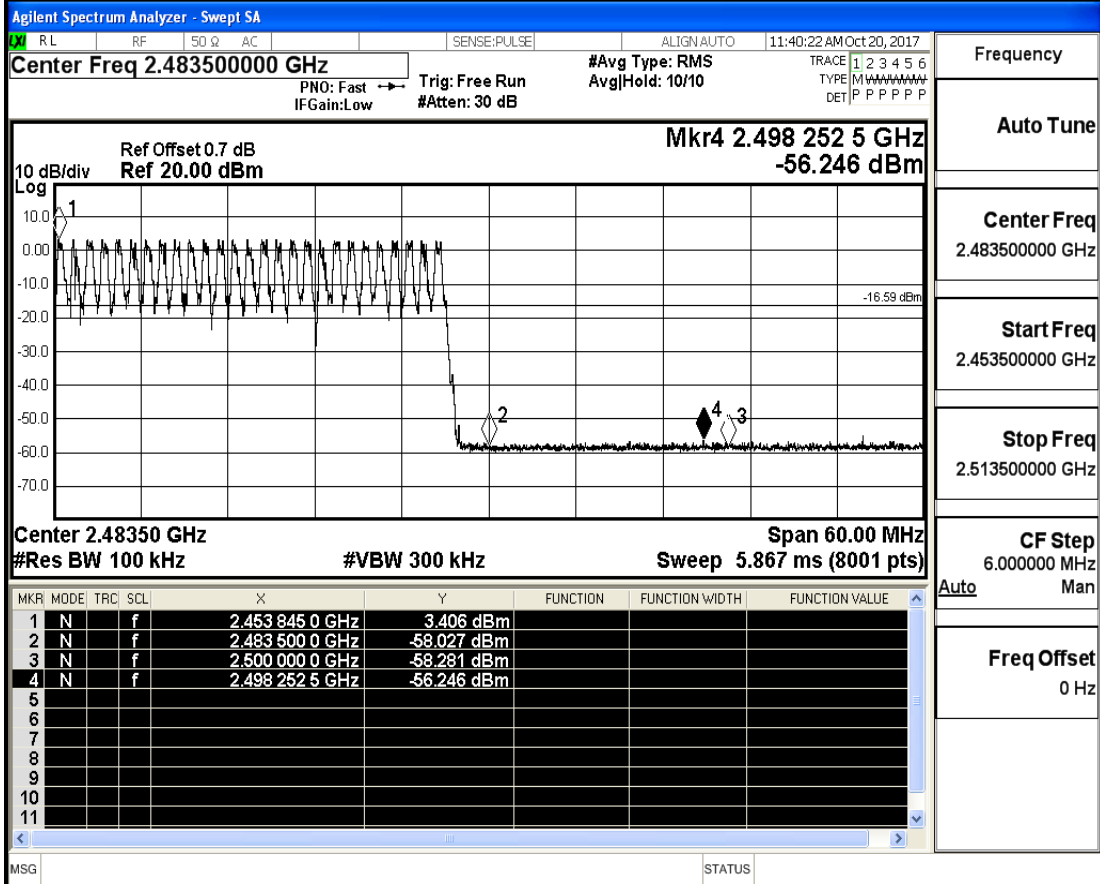
Start Freq
2.370000000 GHz

Stop Freq
2.430000000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_DH1_2480_Hopping On



Frequency

Auto Tune

Center Freq
2.483500000 GHz

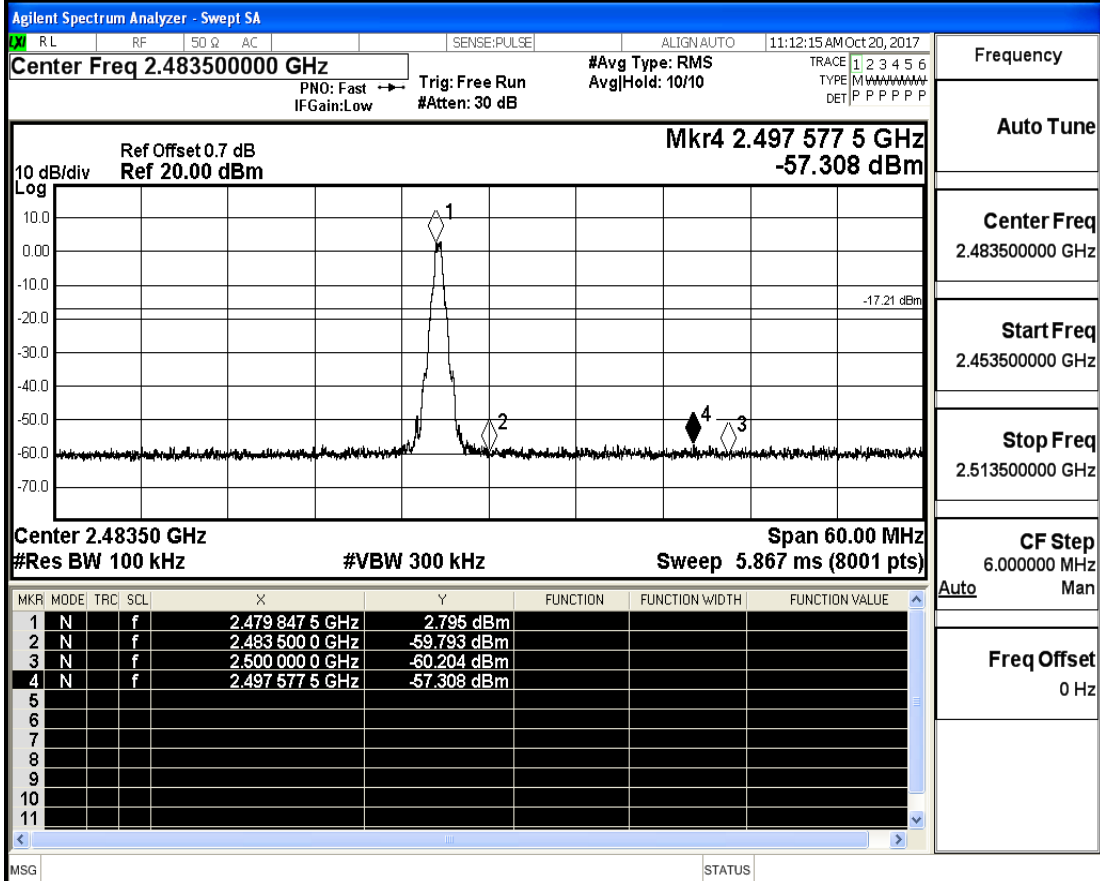
Start Freq
2.453500000 GHz

Stop Freq
2.513500000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_DH1_2480_Hopping Off



Frequency

Auto Tune

Center Freq
2.483500000 GHz

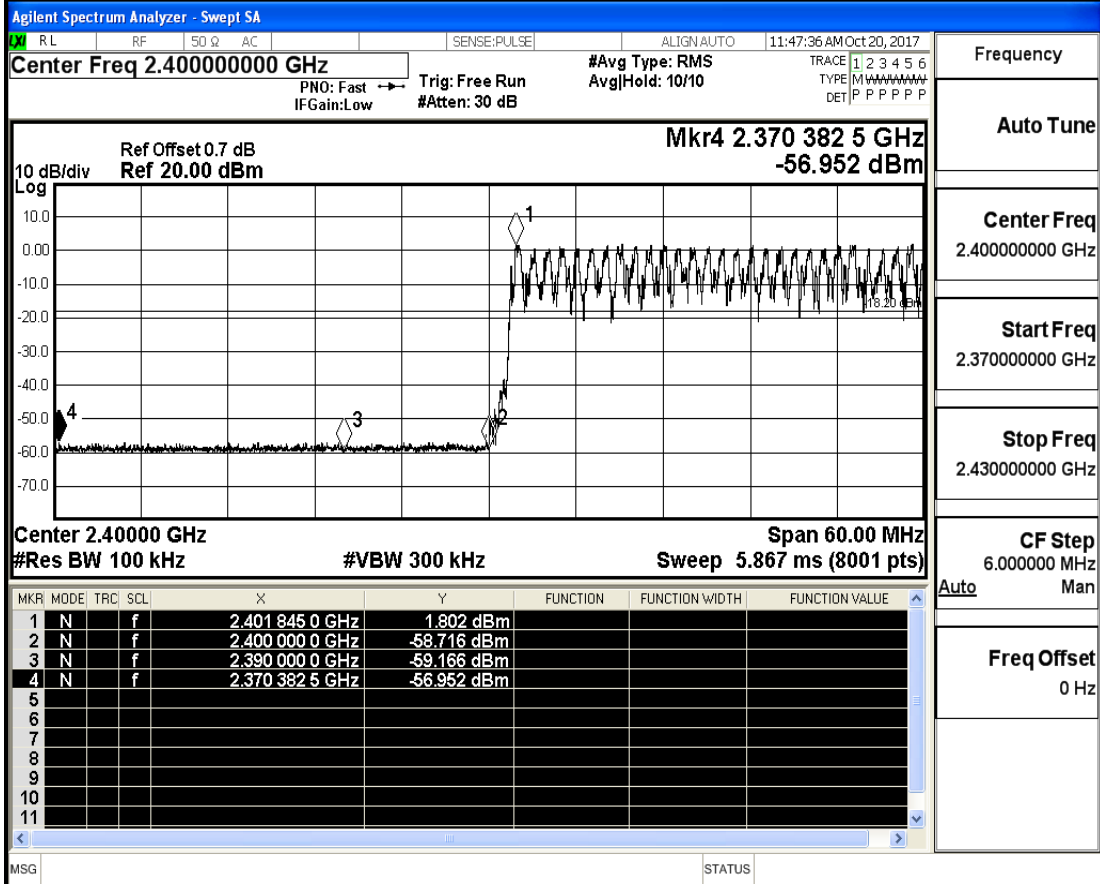
Start Freq
2.453500000 GHz

Stop Freq
2.513500000 GHz

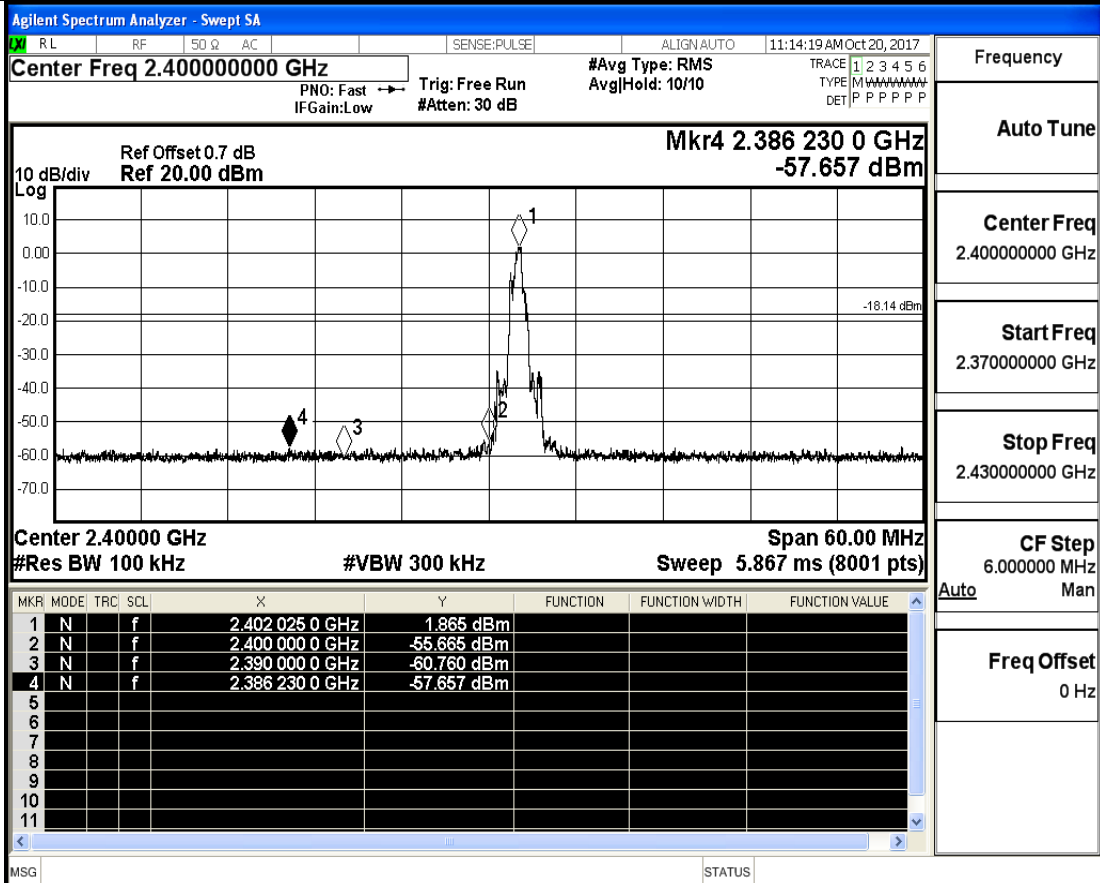
CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

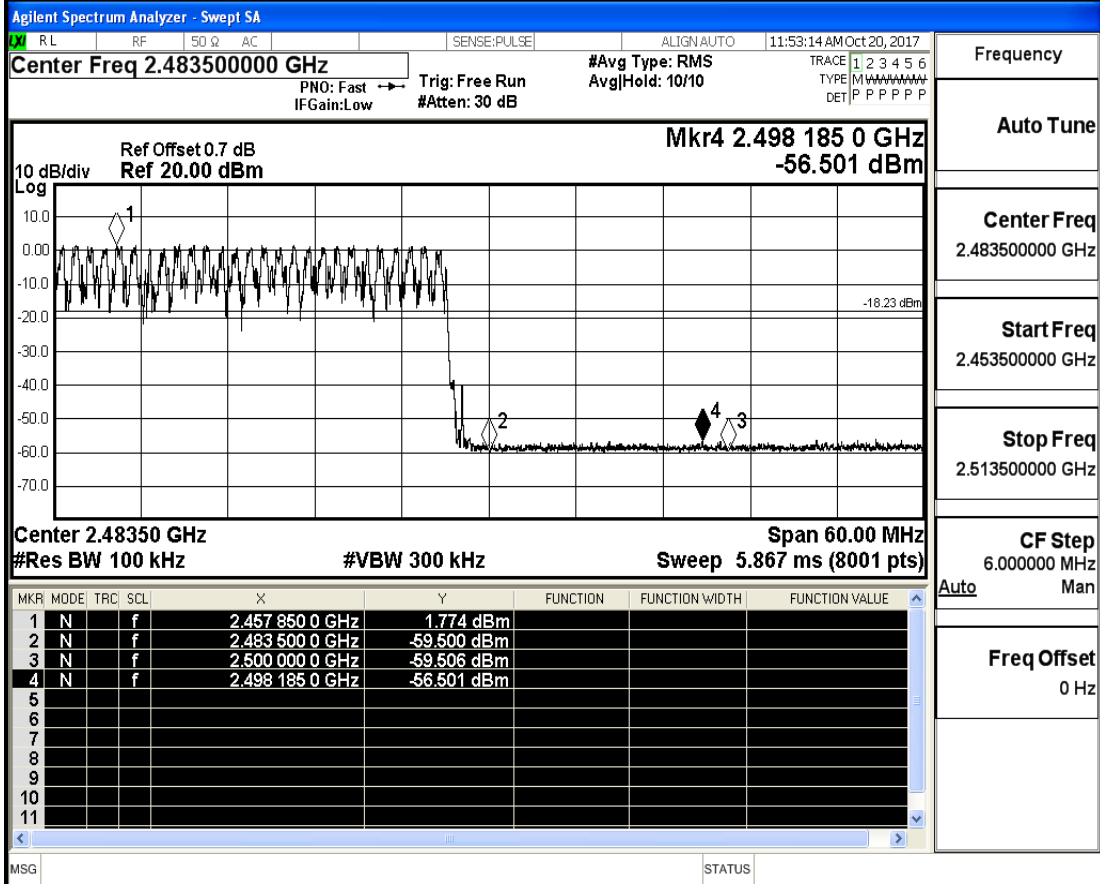
Band-edge for RF Conducted Emissions_2DH1_2402_Hopping On



Band-edge for RF Conducted Emissions_2DH1_2402_Hopping Off



Band-edge for RF Conducted Emissions_2DH1_2480_Hopping On



Frequency

Auto Tune

Center Freq
2.483500000 GHz

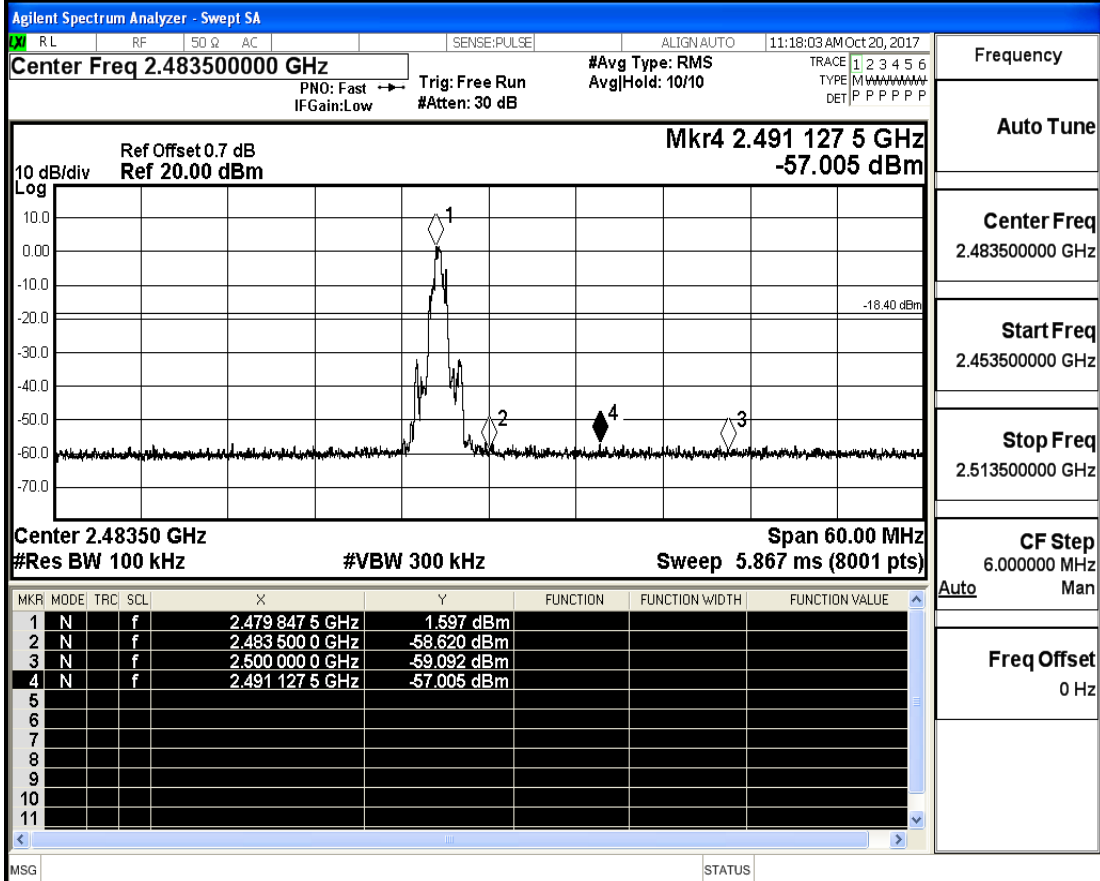
Start Freq
2.453500000 GHz

Stop Freq
2.513500000 GHz

CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

Band-edge for RF Conducted Emissions_2DH1_2480_Hopping Off



Frequency

Auto Tune

Center Freq
2.483500000 GHz

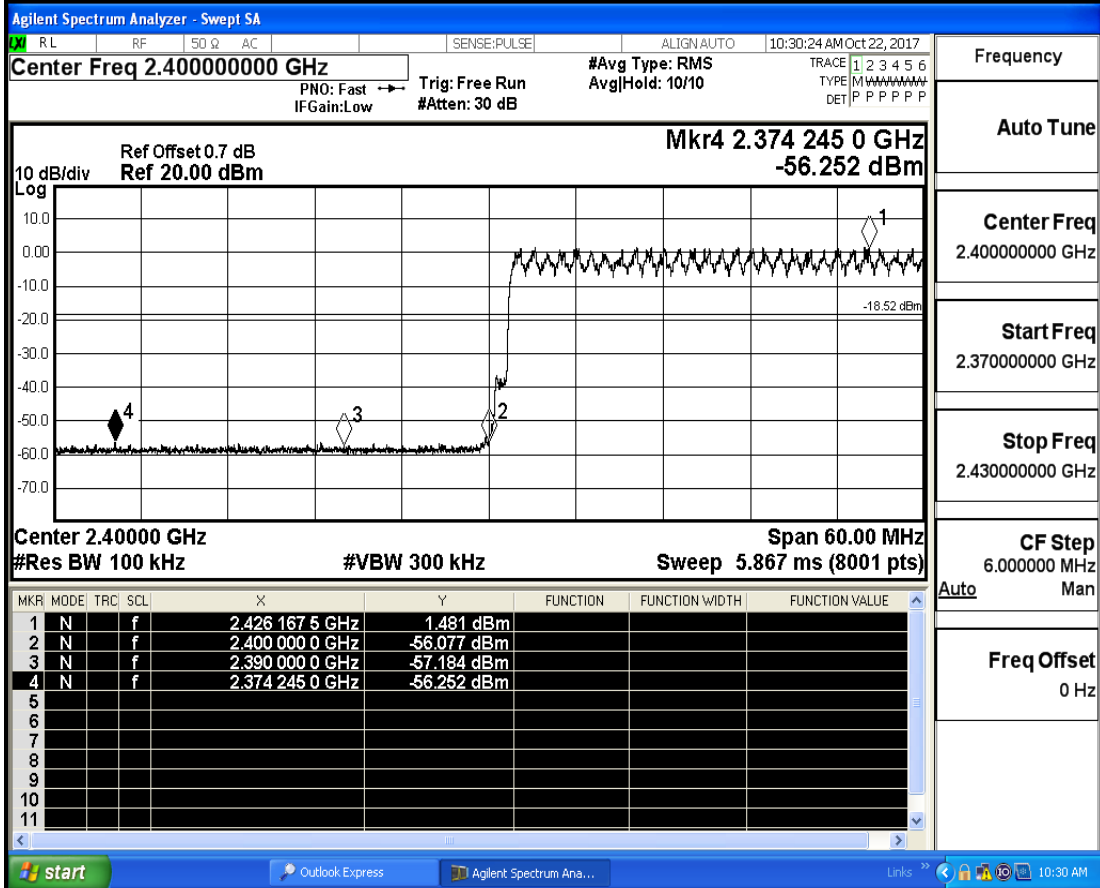
Start Freq
2.453500000 GHz

Stop Freq
2.513500000 GHz

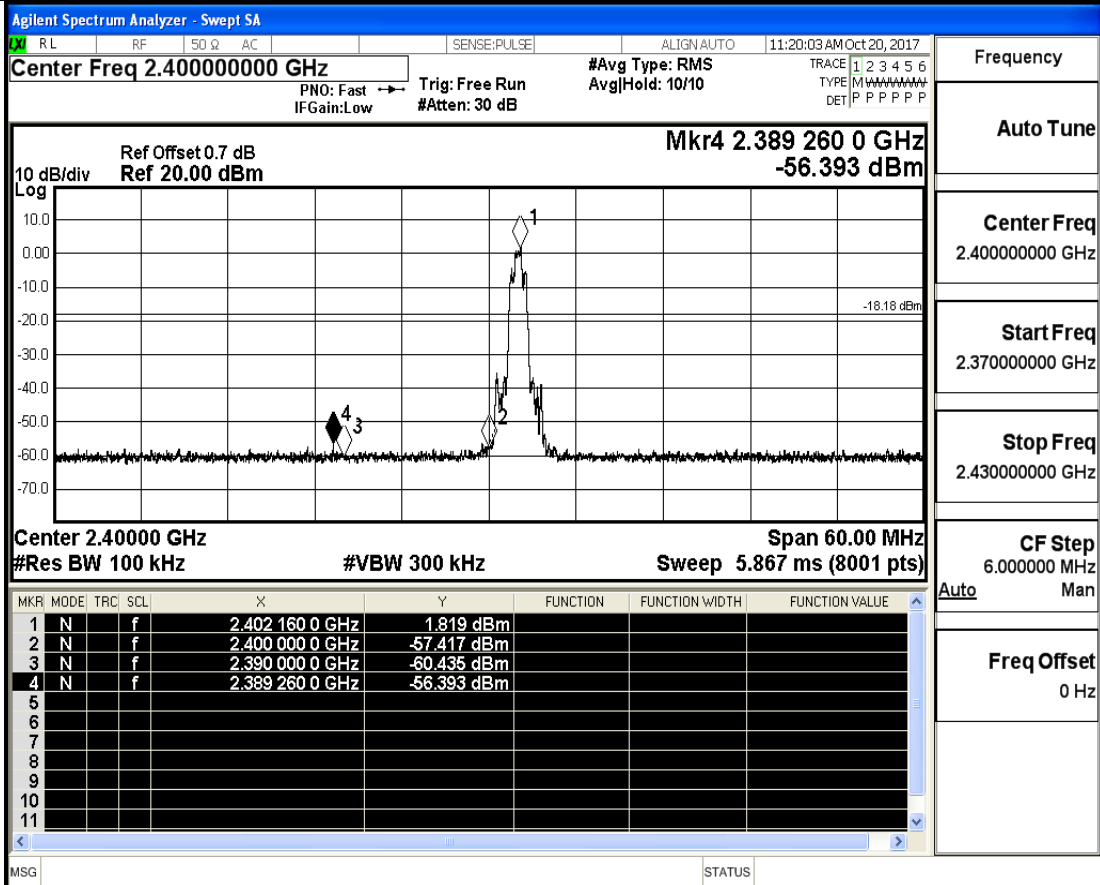
CF Step
6.000000 MHz
Auto Man

Freq Offset
0 Hz

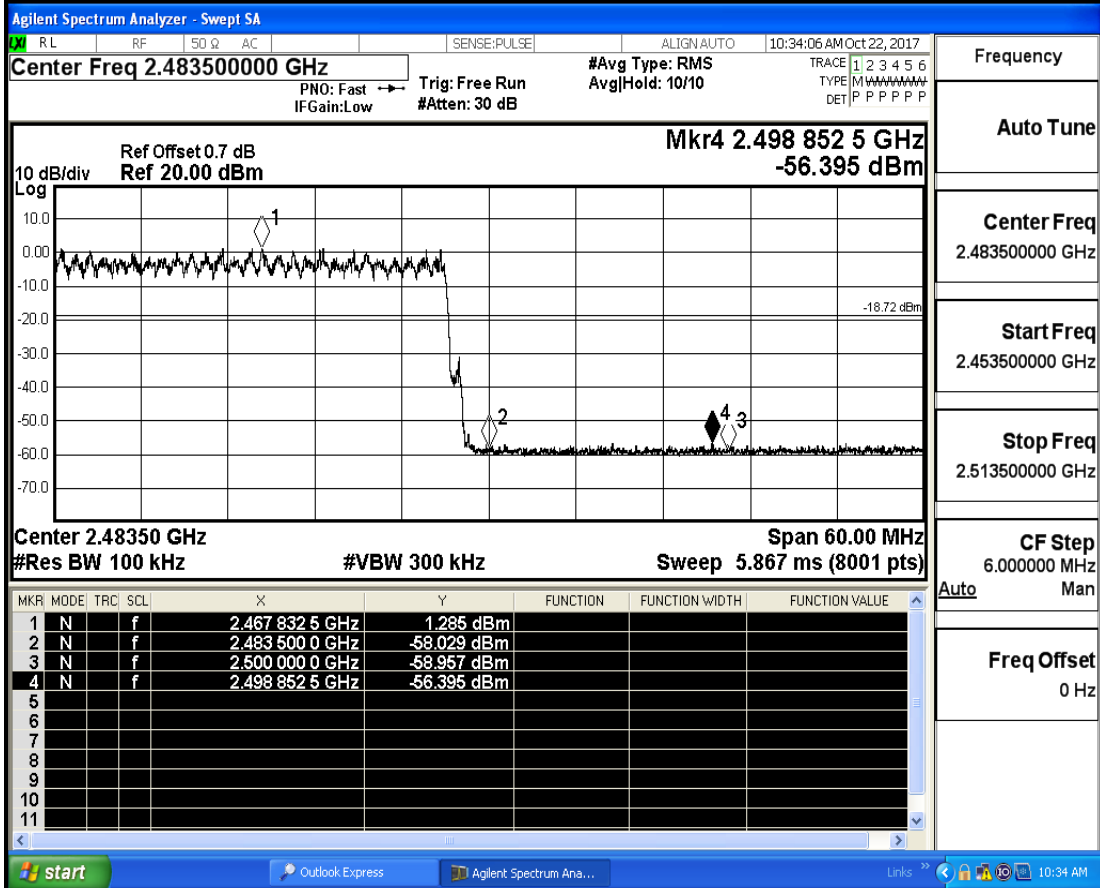
Band-edge for RF Conducted Emissions_3DH1_2402_Hopping On



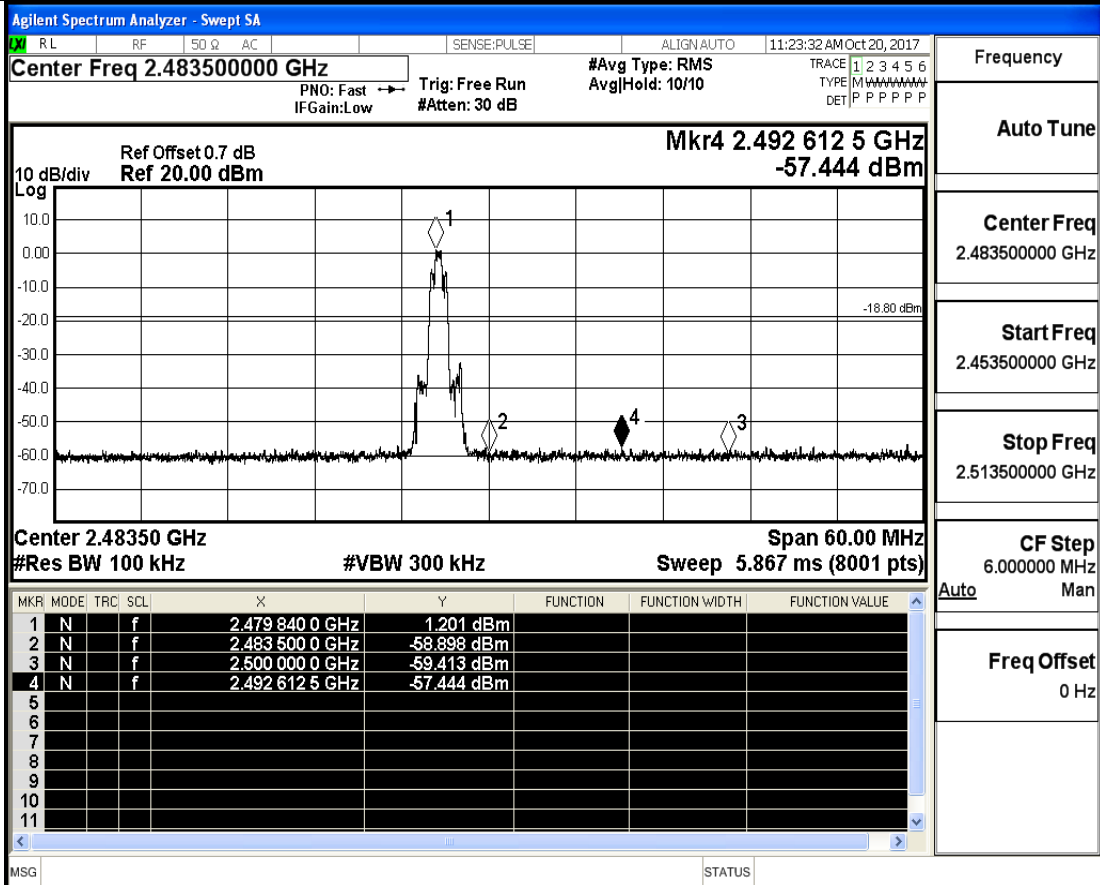
Band-edge for RF Conducted Emissions_3DH1_2402_Hopping Off



Band-edge for RF Conducted Emissions_3DH1_2480_Hopping On



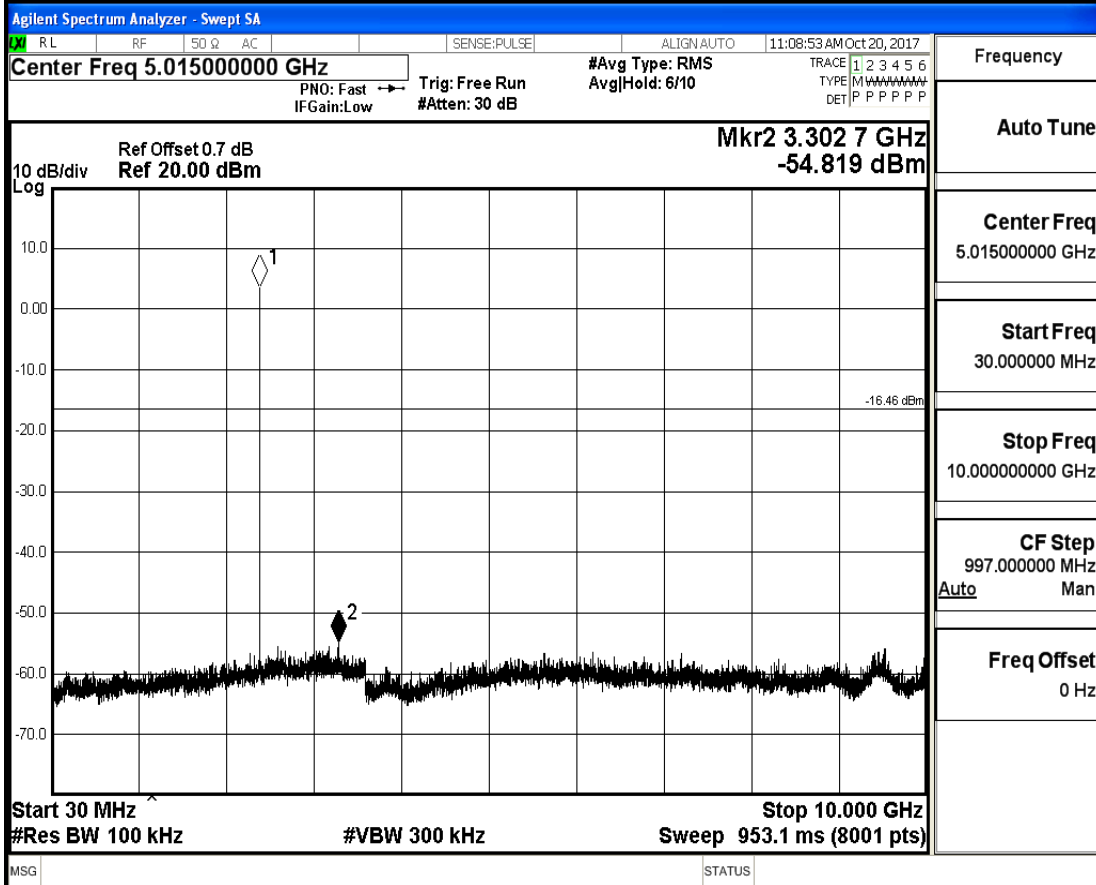
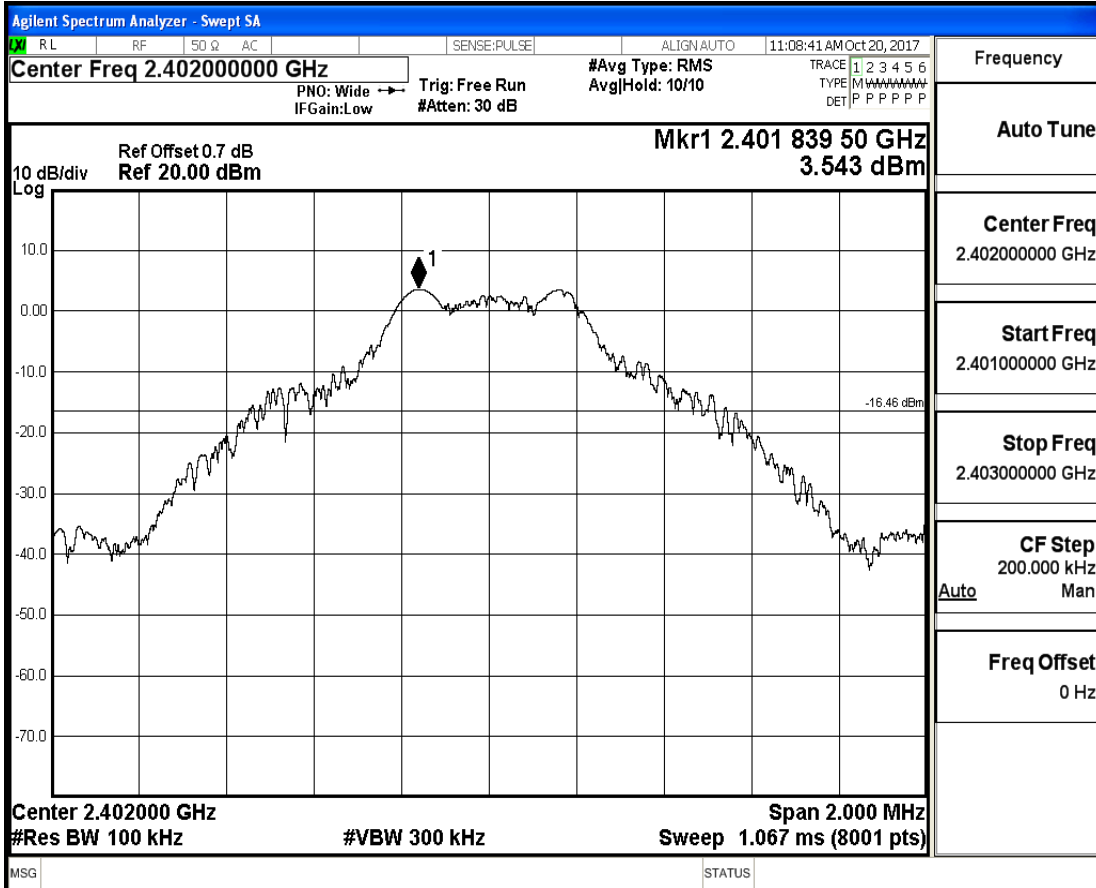
Band-edge for RF Conducted Emissions_3DH1_2480_Hopping Off

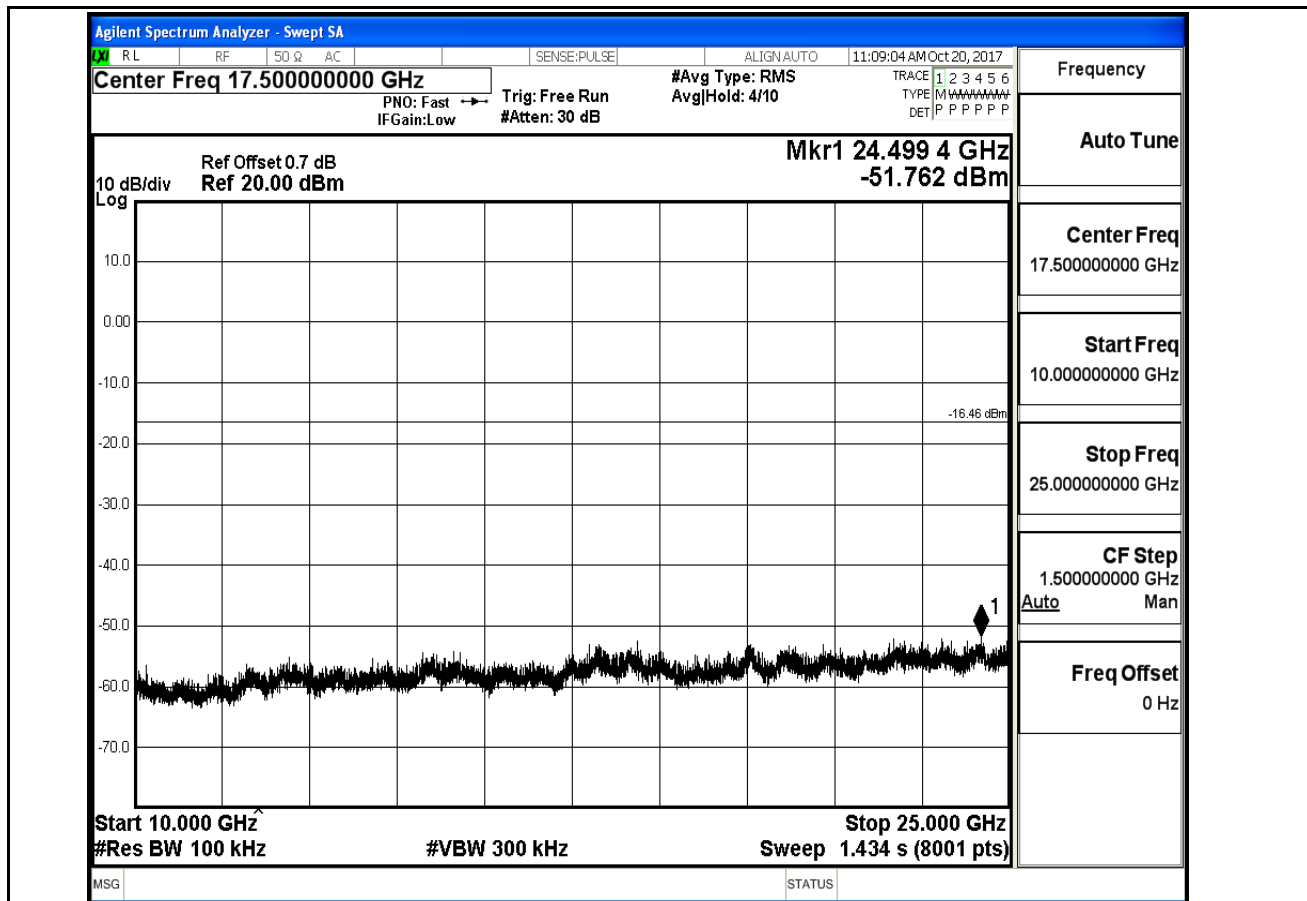


8.RF Conducted Spurious Emissions

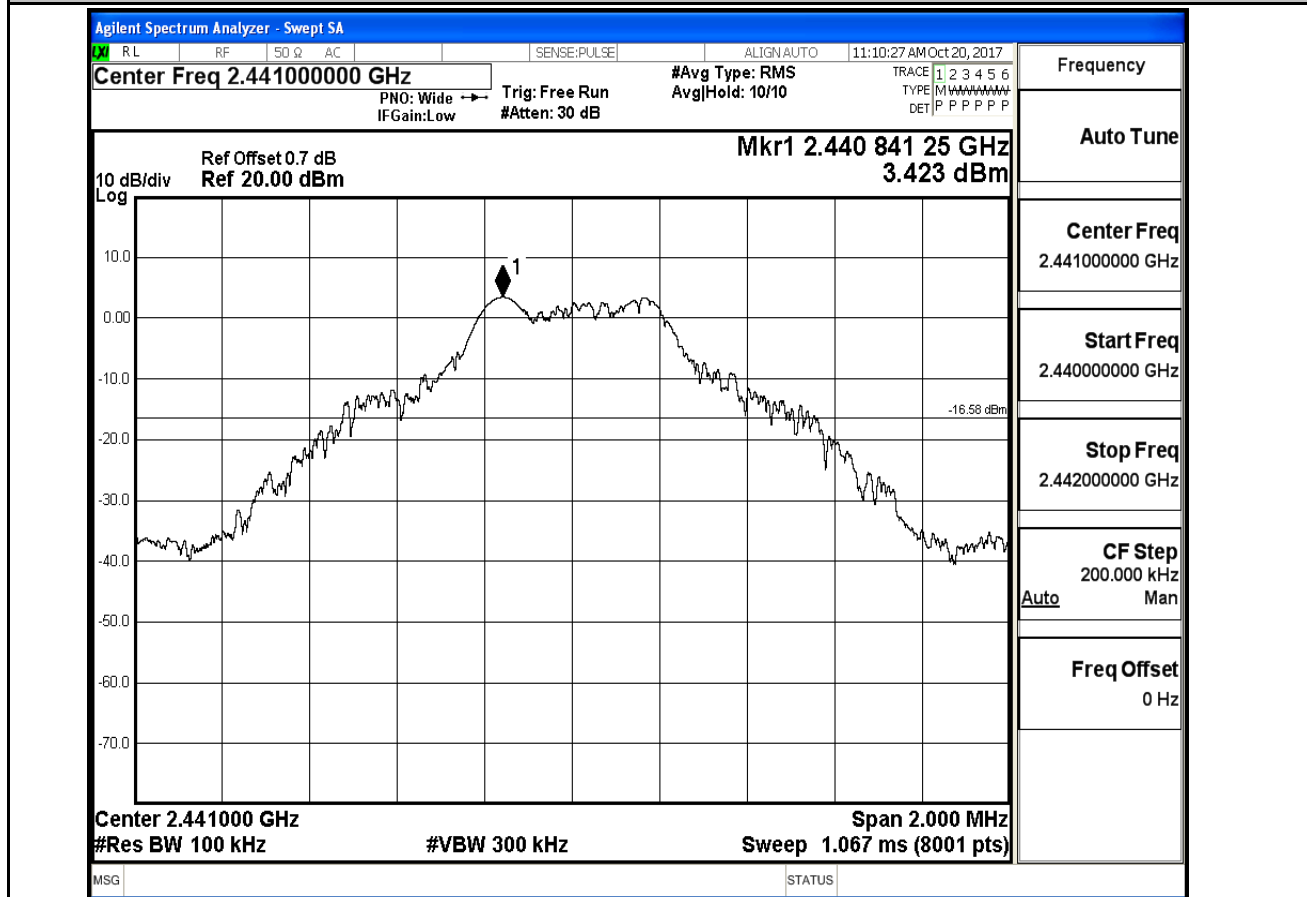
Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
DH1	2402	30	10000	100	300	3.543	-54.819	<- 16.457	PASS
DH1	2402	10000	25000	100	300	3.543	-51.762	<- 16.457	PASS
DH1	2441	30	10000	100	300	3.423	-56.059	<- 16.577	PASS
DH1	2441	10000	25000	100	300	3.423	-51.675	<- 16.577	PASS
DH1	2480	30	10000	100	300	2.749	-55.997	<- 17.251	PASS
DH1	2480	10000	25000	100	300	2.749	-50.790	<- 17.251	PASS
2DH1	2402	30	10000	100	300	1.916	-55.761	<- 18.084	PASS
2DH1	2402	10000	25000	100	300	1.916	-51.481	<- 18.084	PASS
2DH1	2441	30	10000	100	300	1.583	-54.748	<- 18.417	PASS
2DH1	2441	10000	25000	100	300	1.583	-51.912	<- 18.417	PASS
2DH1	2480	30	10000	100	300	0.952	-55.755	<- 19.048	PASS
2DH1	2480	10000	25000	100	300	0.952	-51.942	<- 19.048	PASS
3DH1	2402	30	10000	100	300	2.103	-55.752	<- 17.897	PASS
3DH1	2402	10000	25000	100	300	2.103	-52.514	<- 17.897	PASS
3DH1	2441	30	10000	100	300	1.879	-54.737	<- 18.121	PASS
3DH1	2441	10000	25000	100	300	1.879	-51.471	<- 18.121	PASS
3DH1	2480	30	10000	100	300	1.504	-55.401	<- 18.496	PASS
3DH1	2480	10000	25000	100	300	1.504	-51.311	<- 18.496	PASS

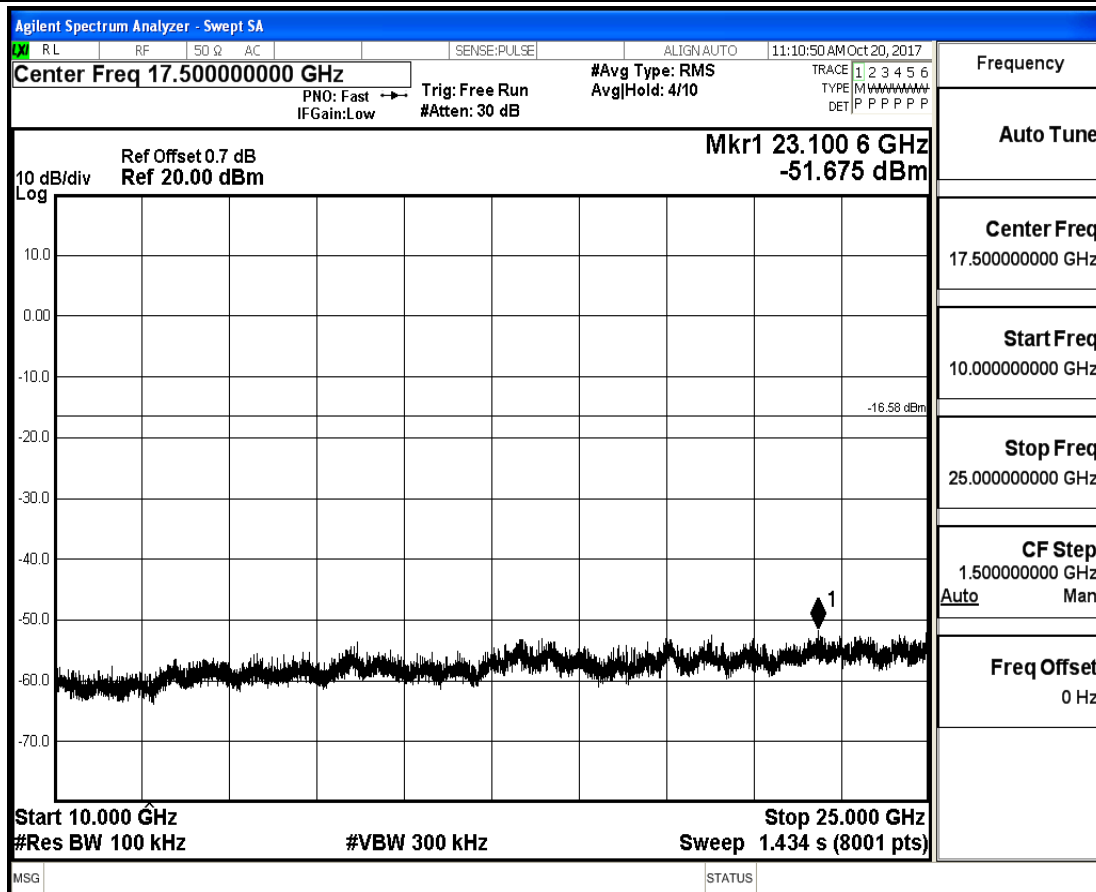
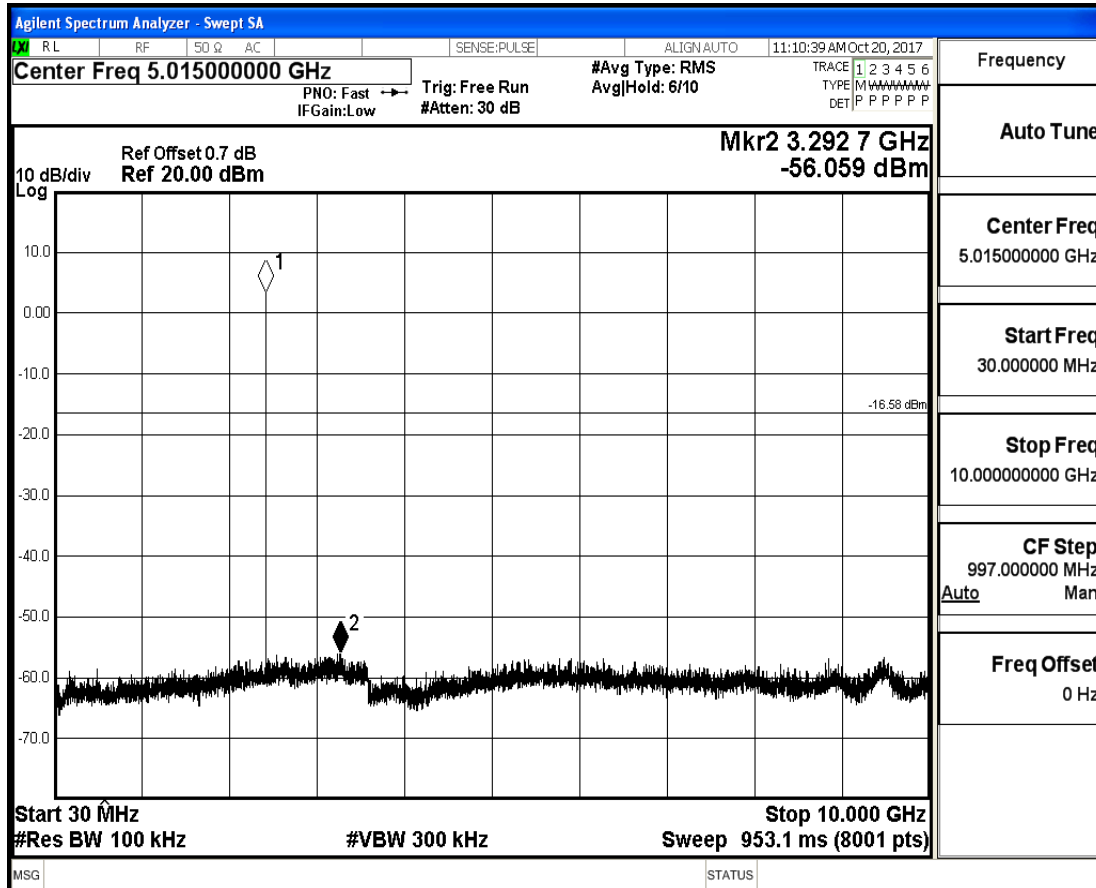
RF Conducted Spurious Emissions_DH1_2402



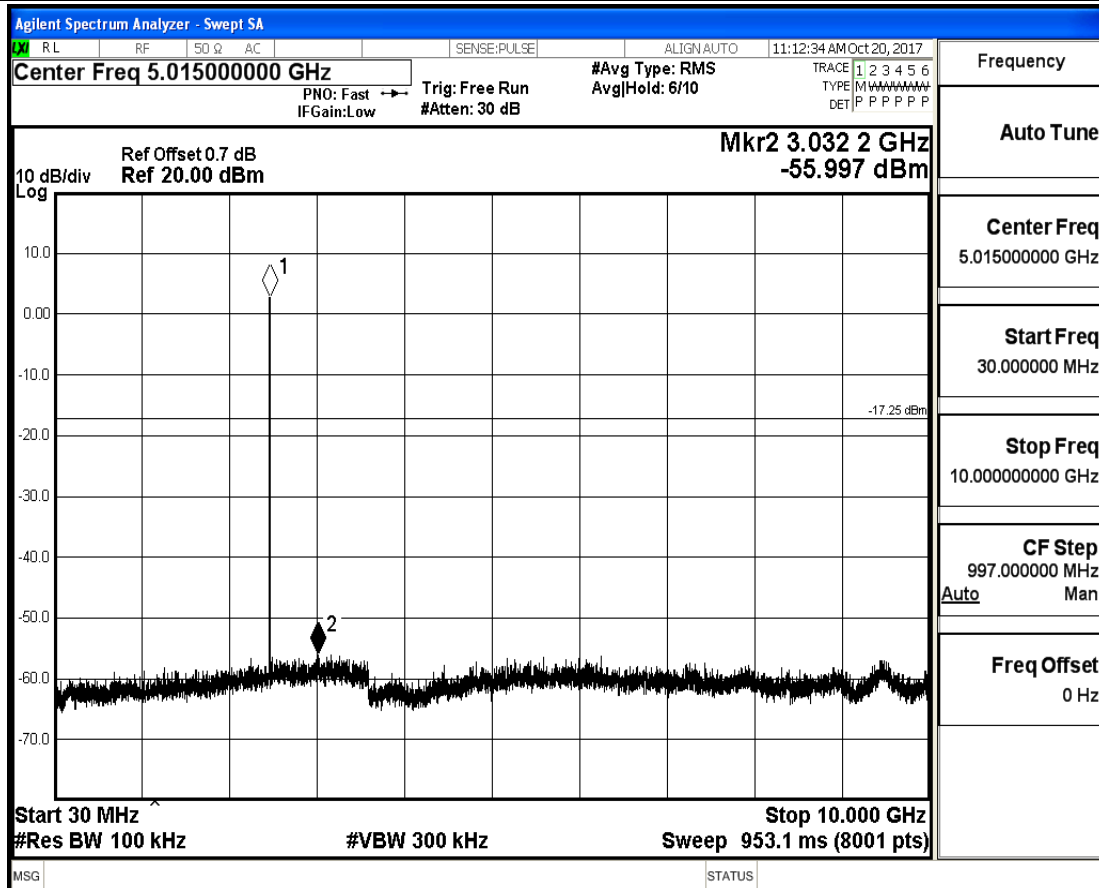
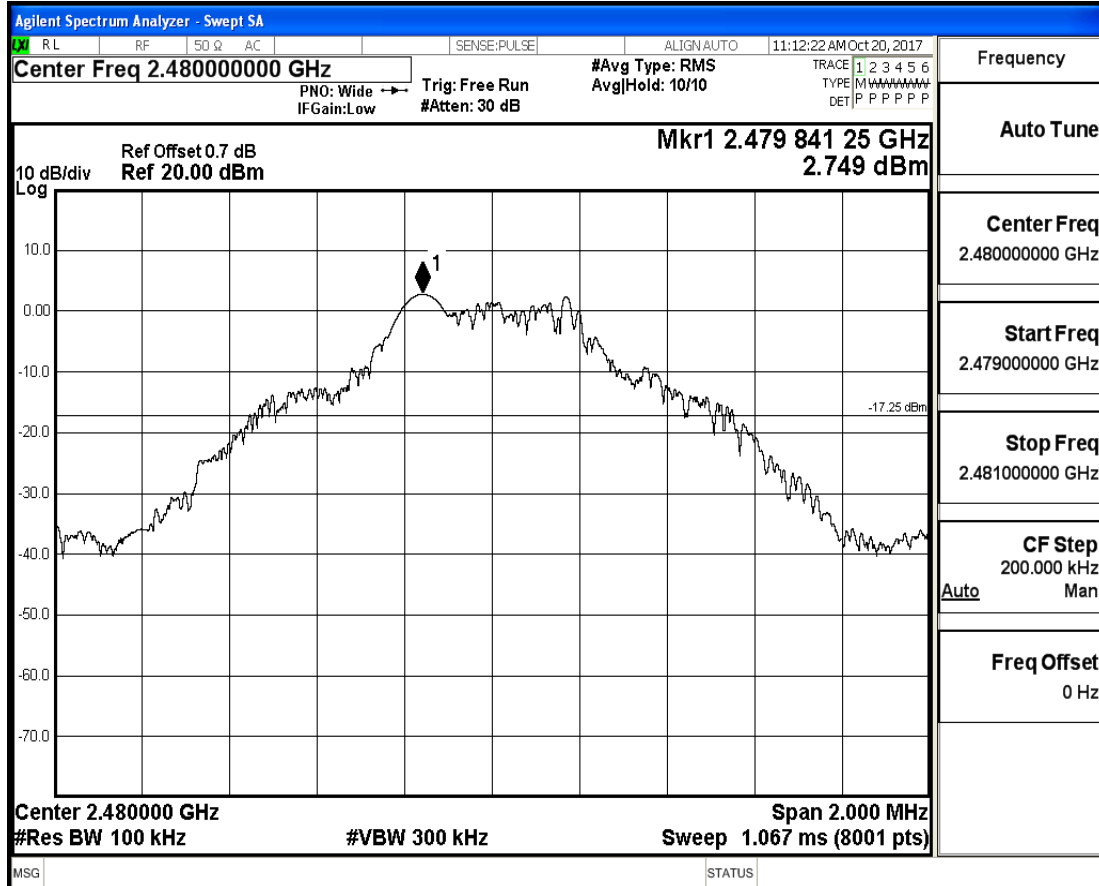


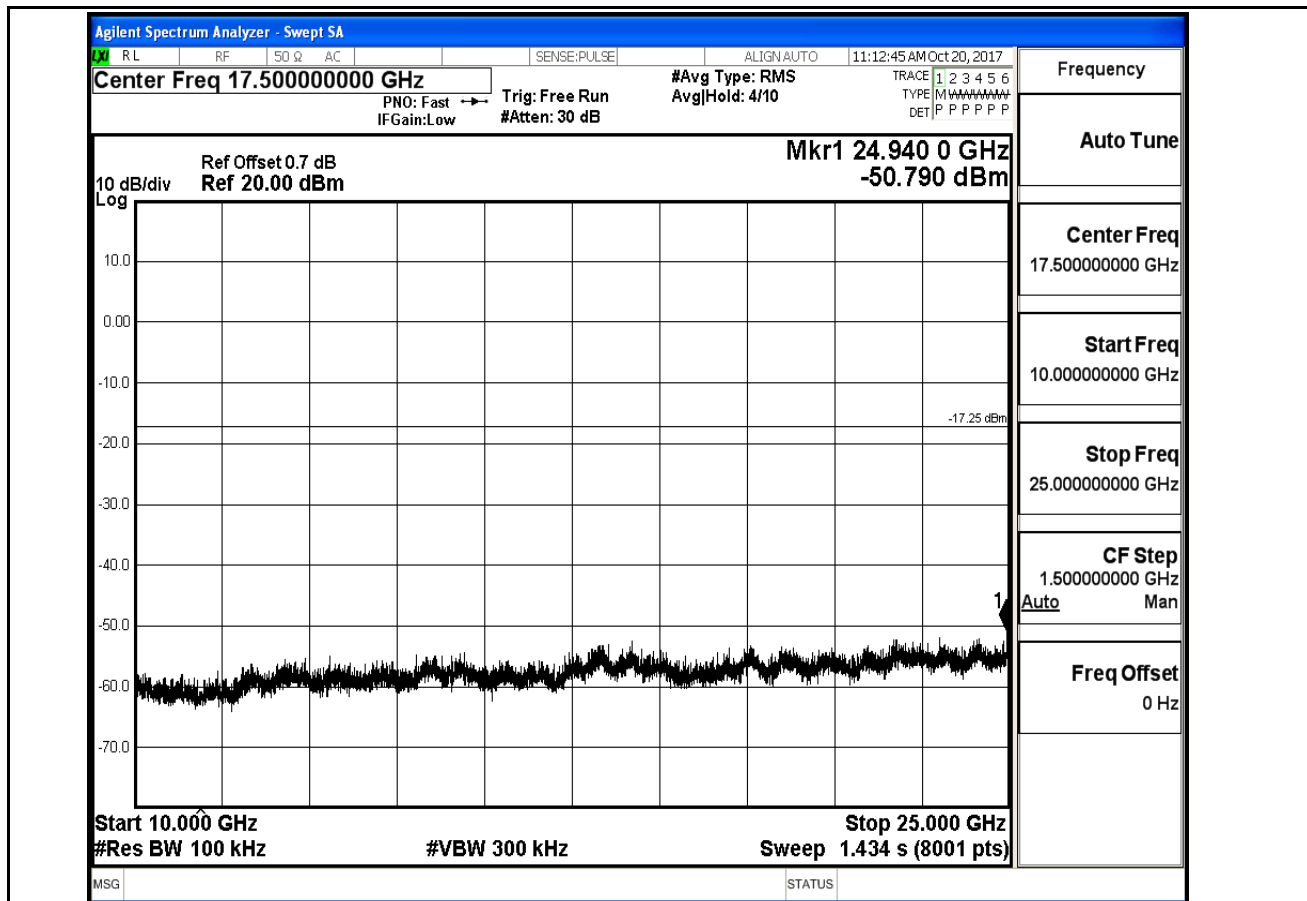
RF Conducted Spurious Emissions_DH1_2441



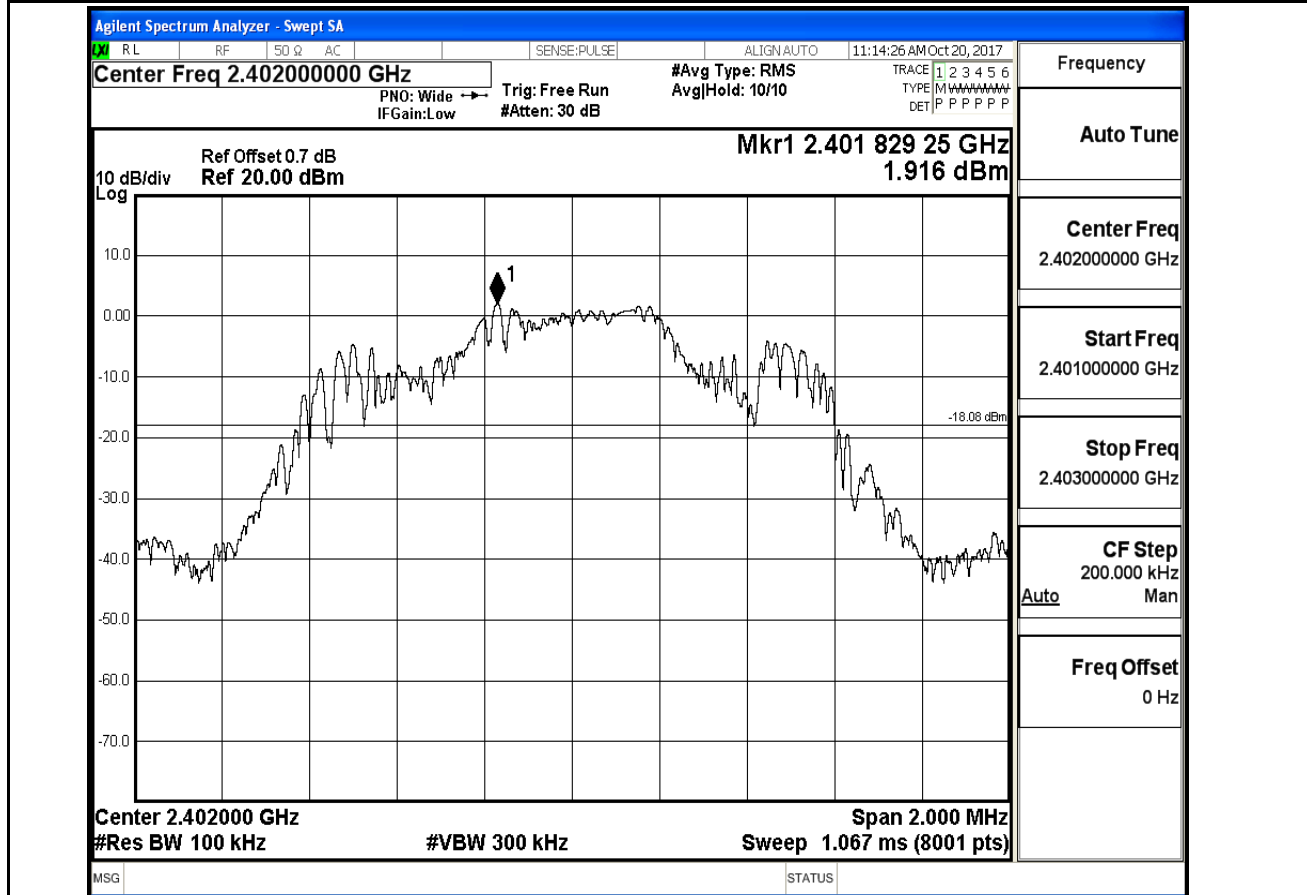


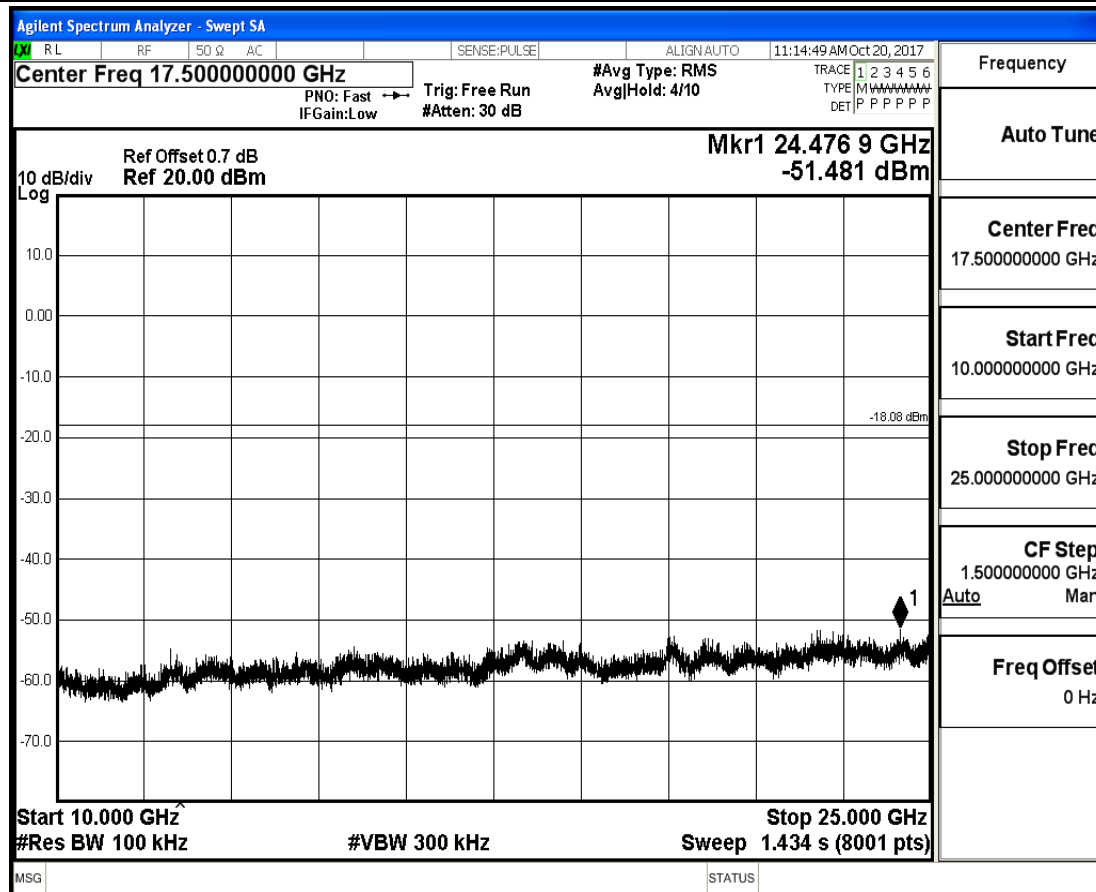
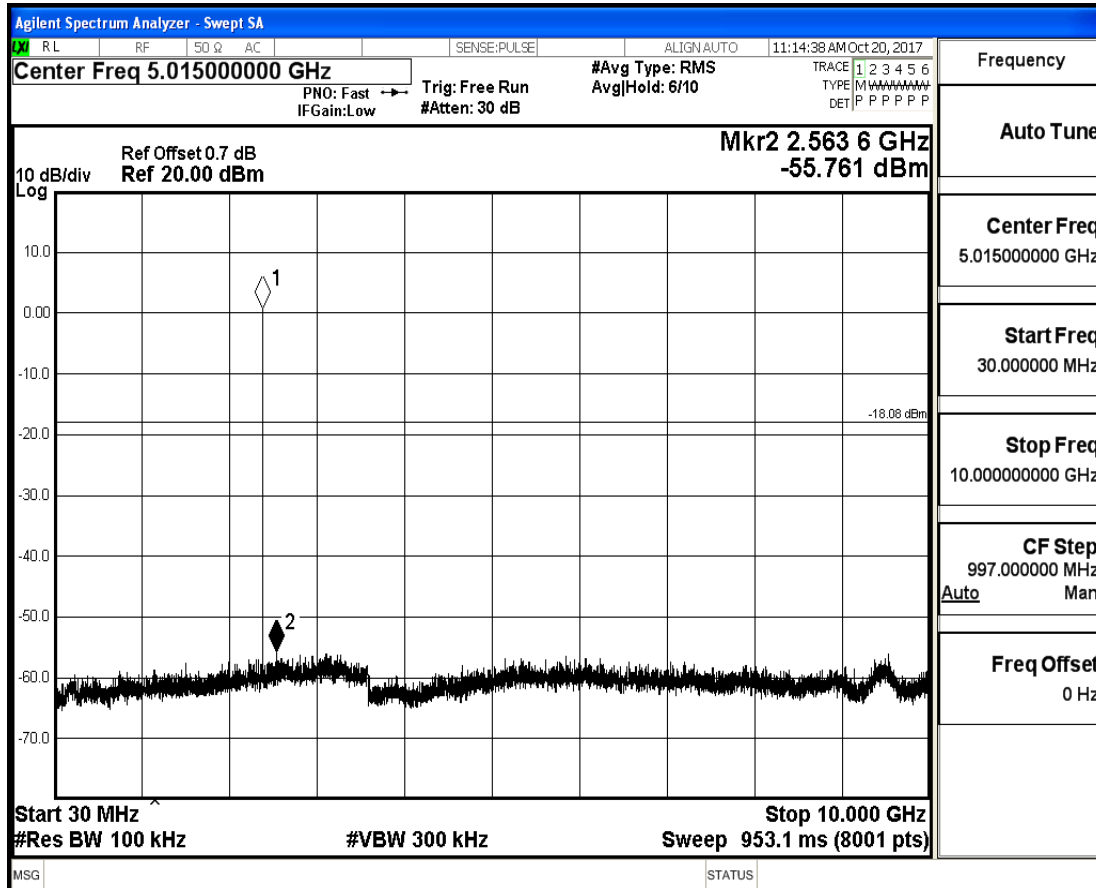
RF Conducted Spurious Emissions_DH1_2480



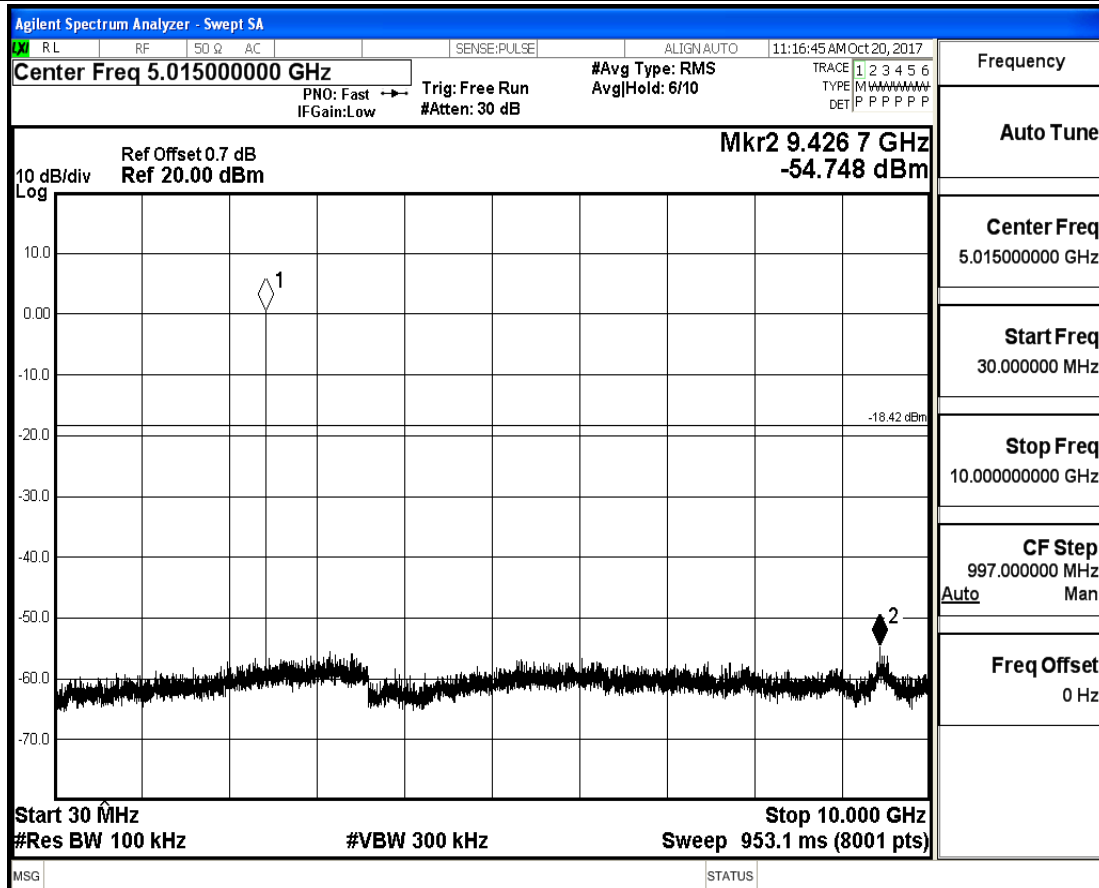


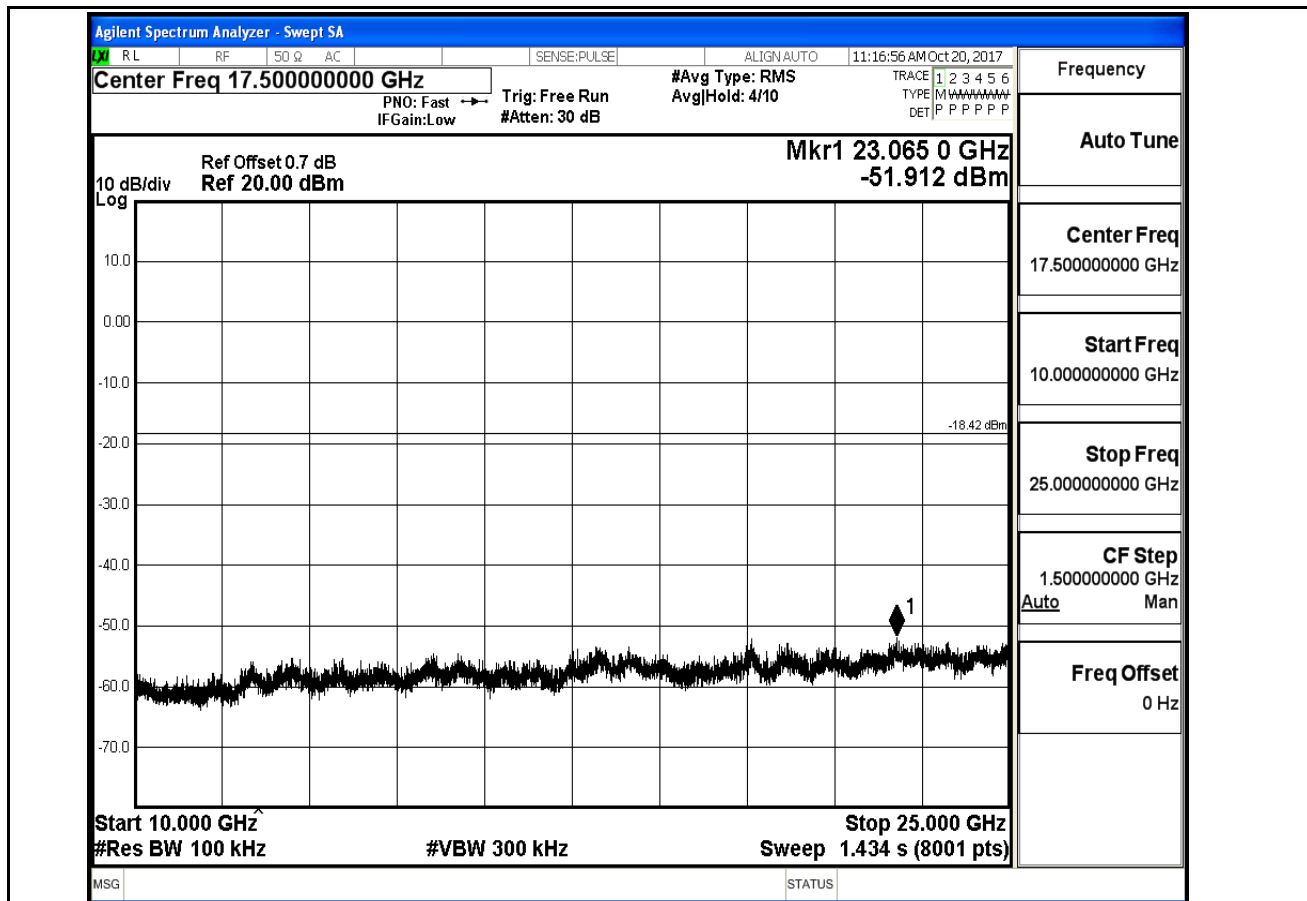
RF Conducted Spurious Emissions_2DH1_2402



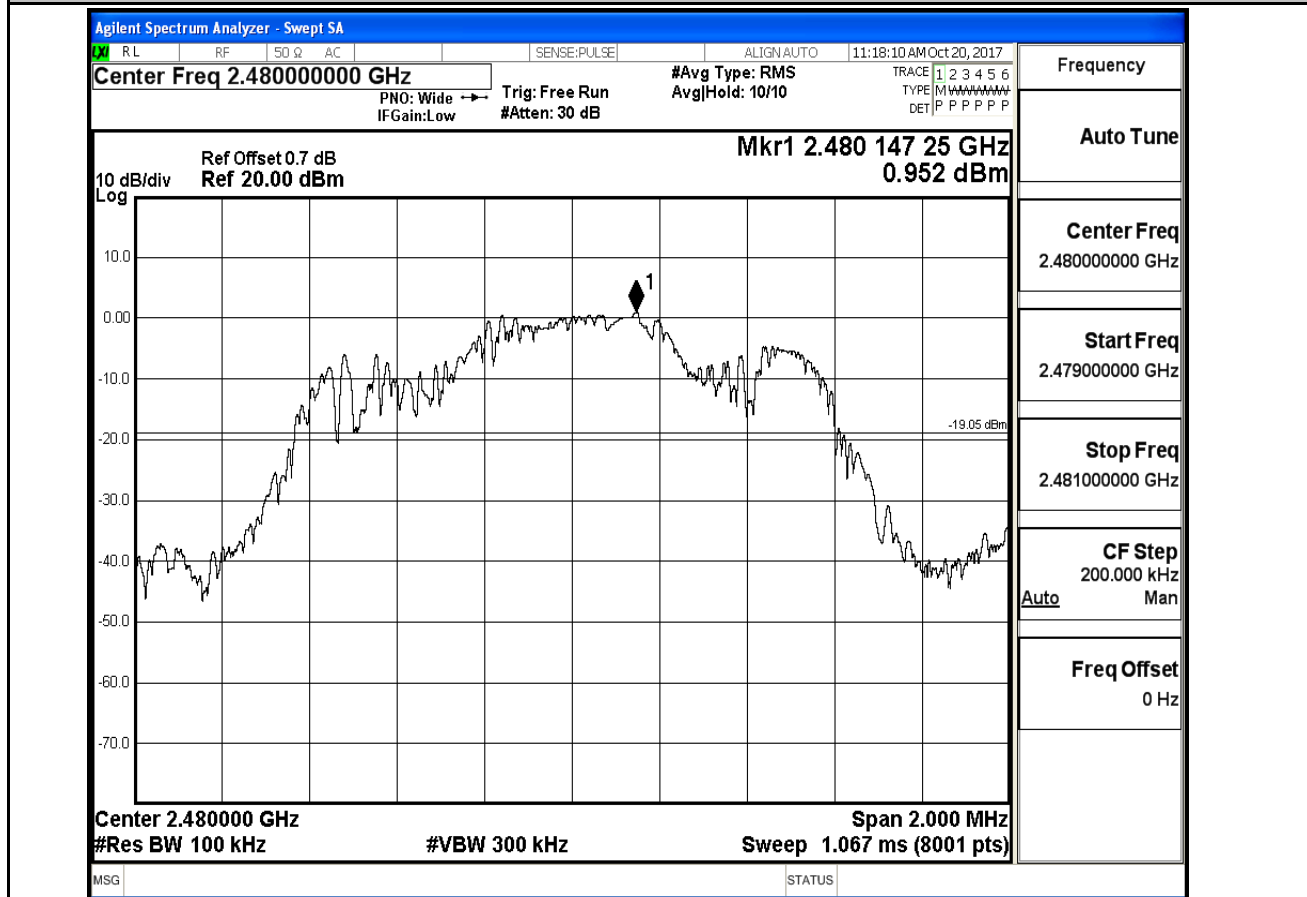


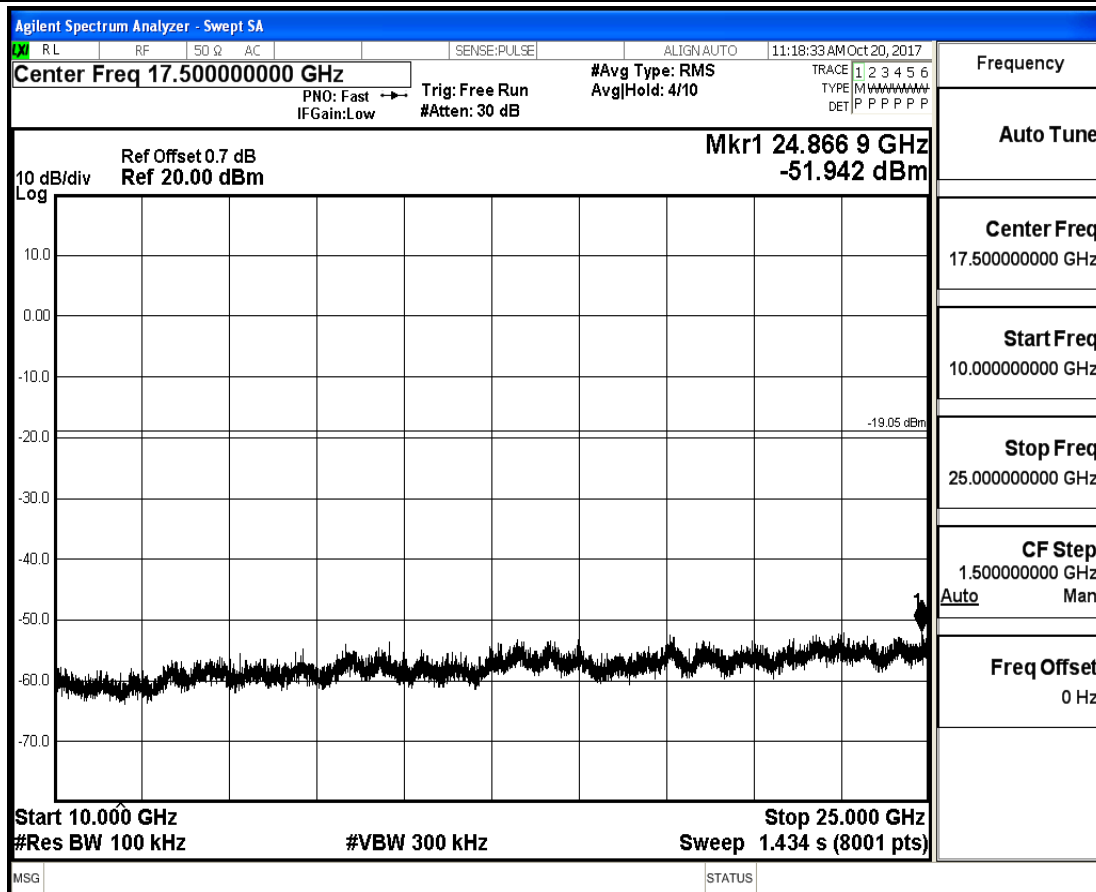
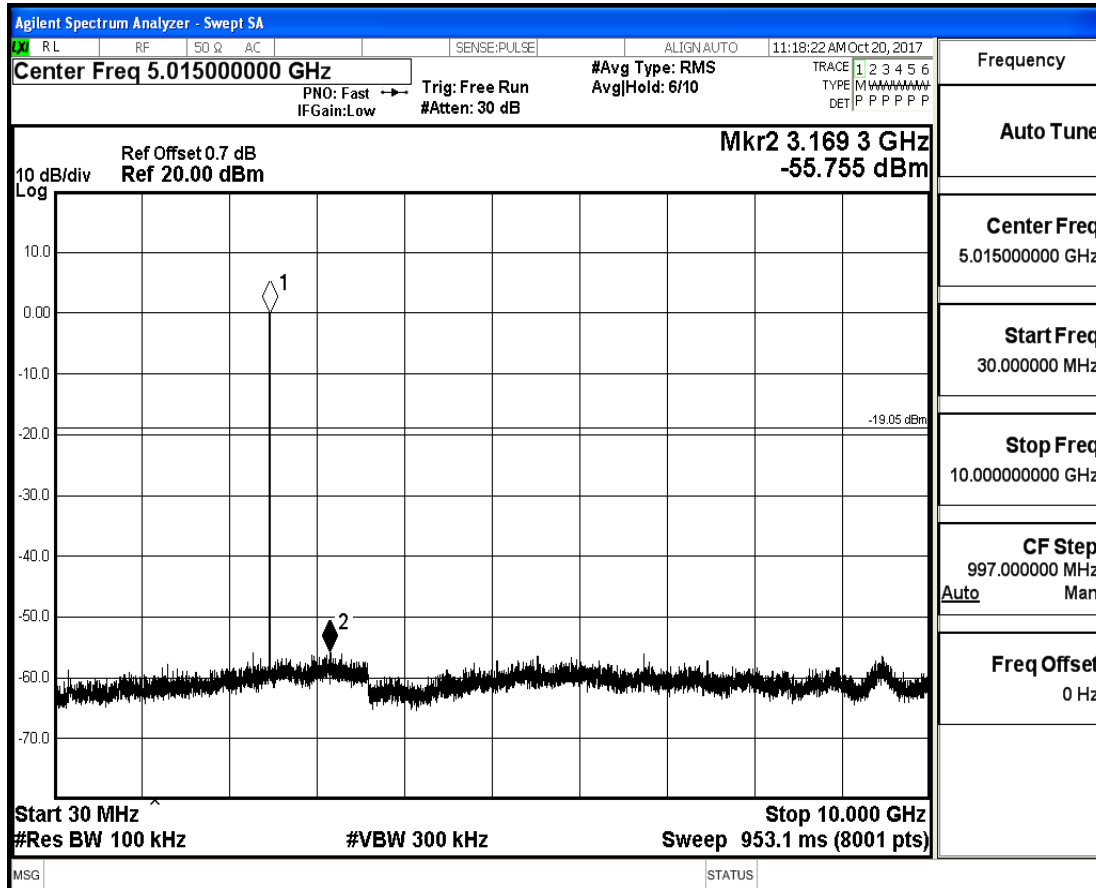
RF Conducted Spurious Emissions_2DH1_2441



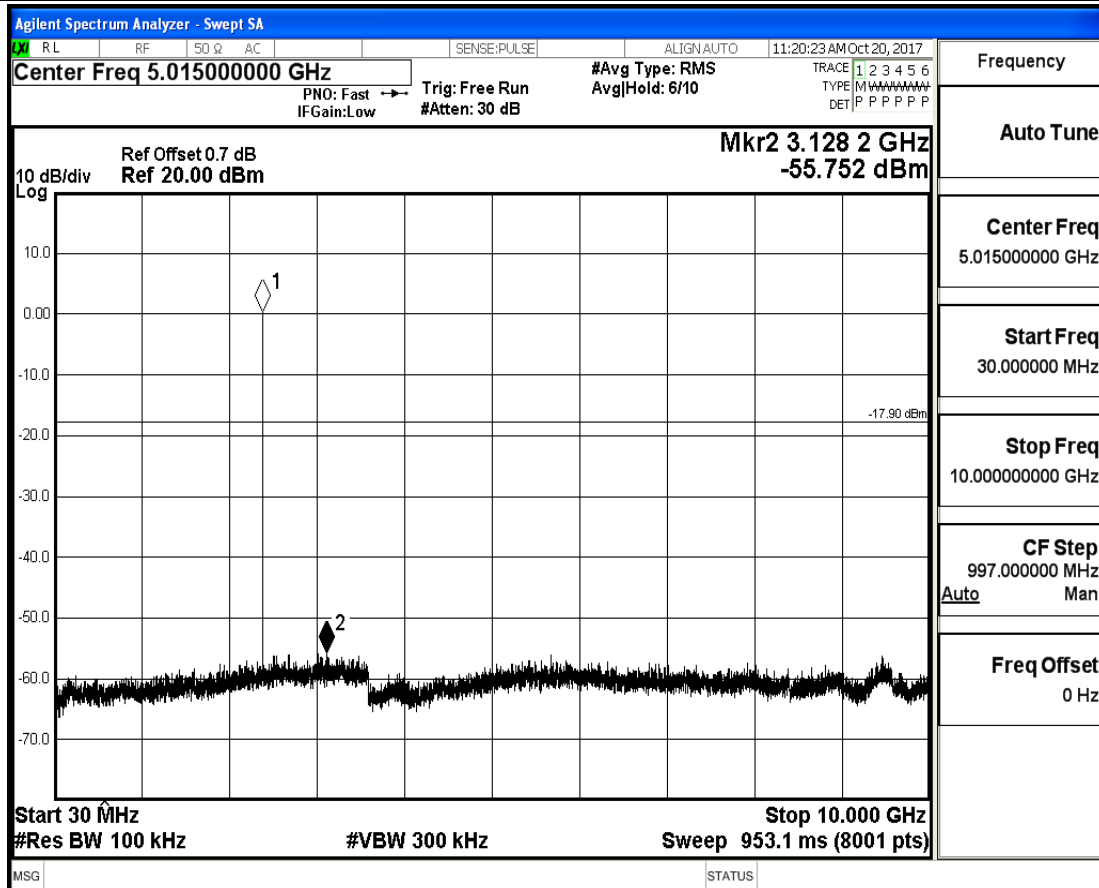
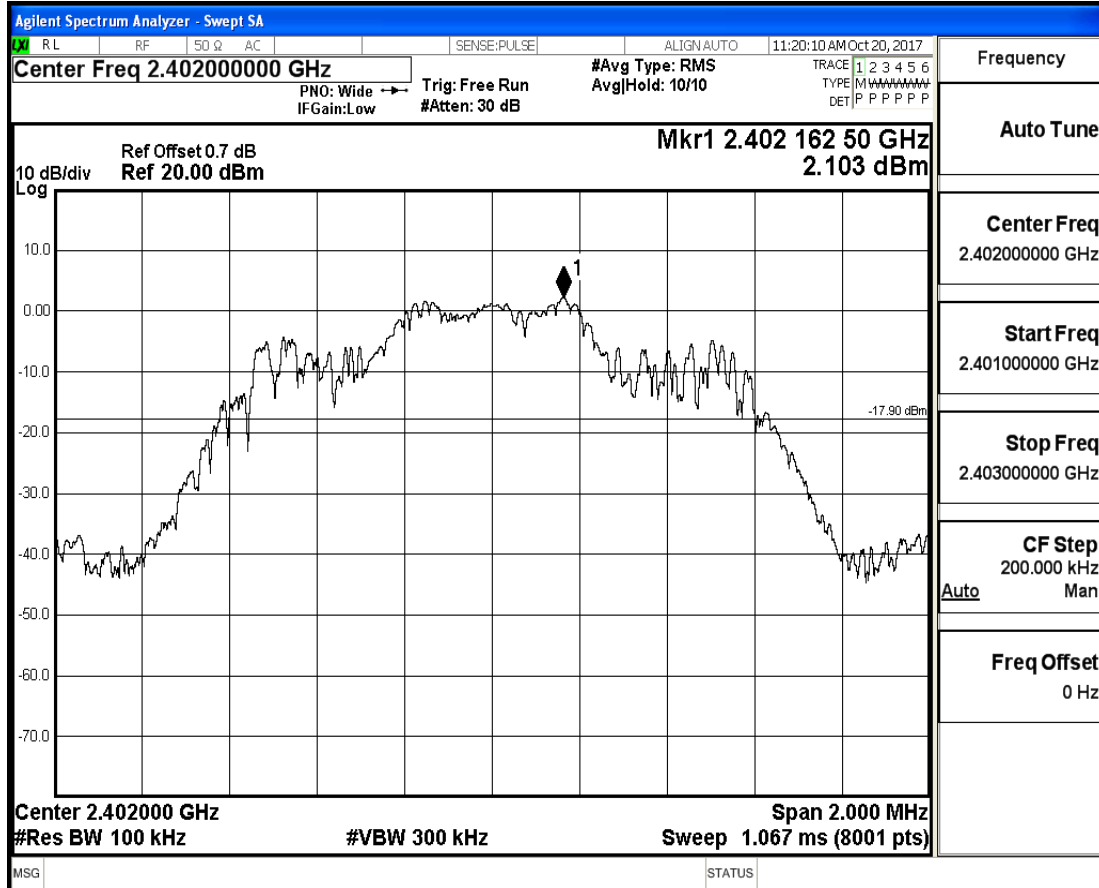


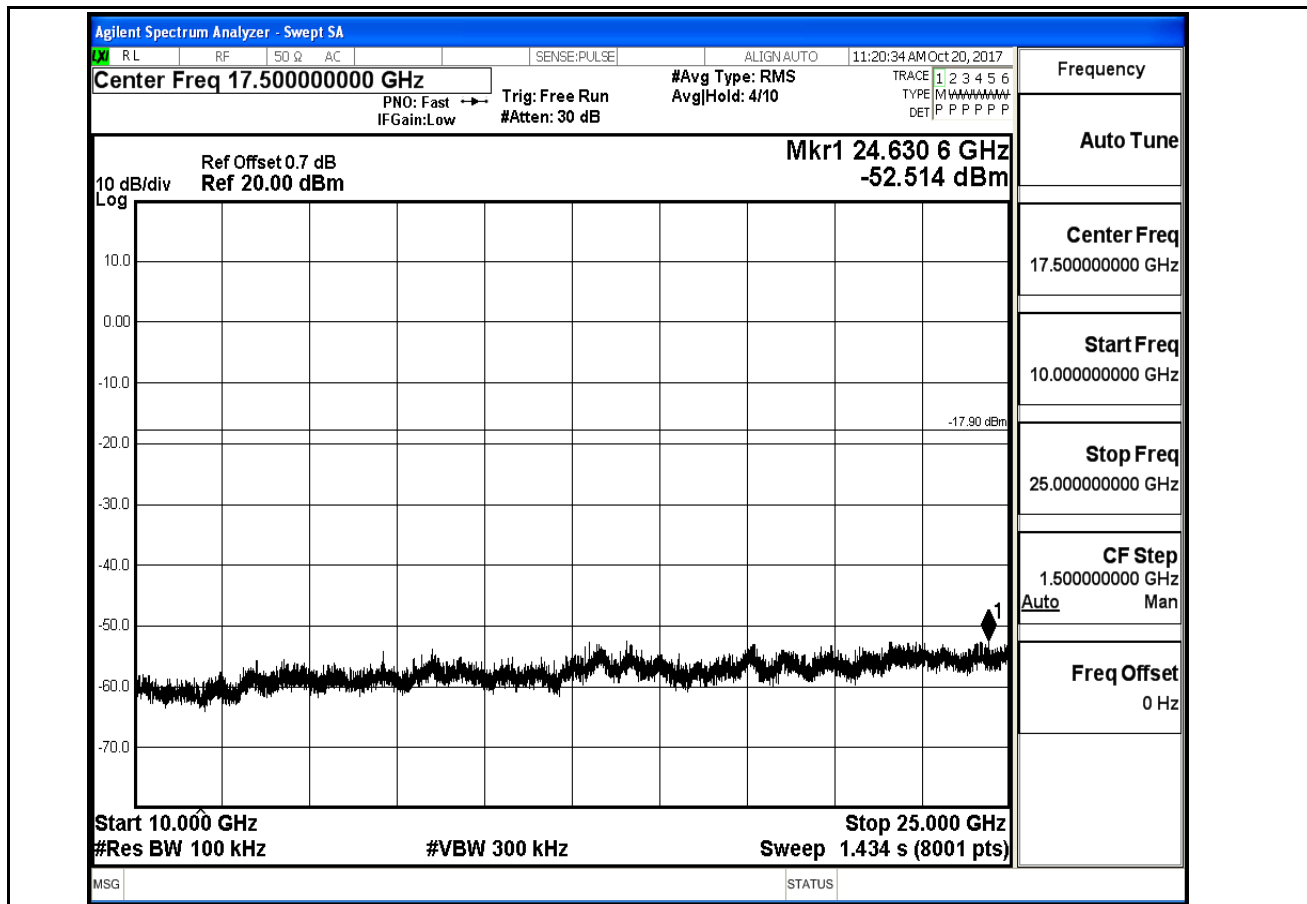
RF Conducted Spurious Emissions_2DH1_2480



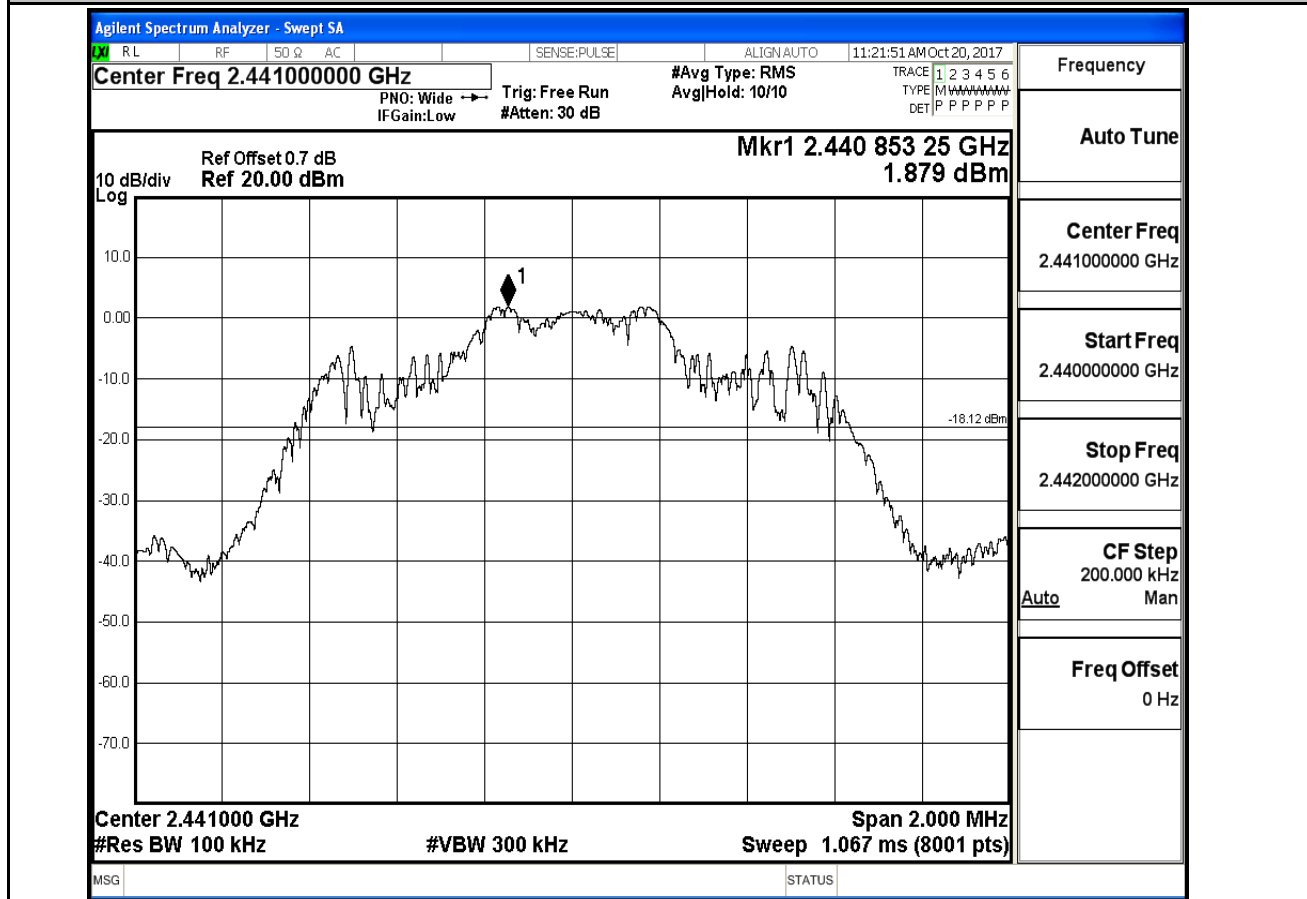


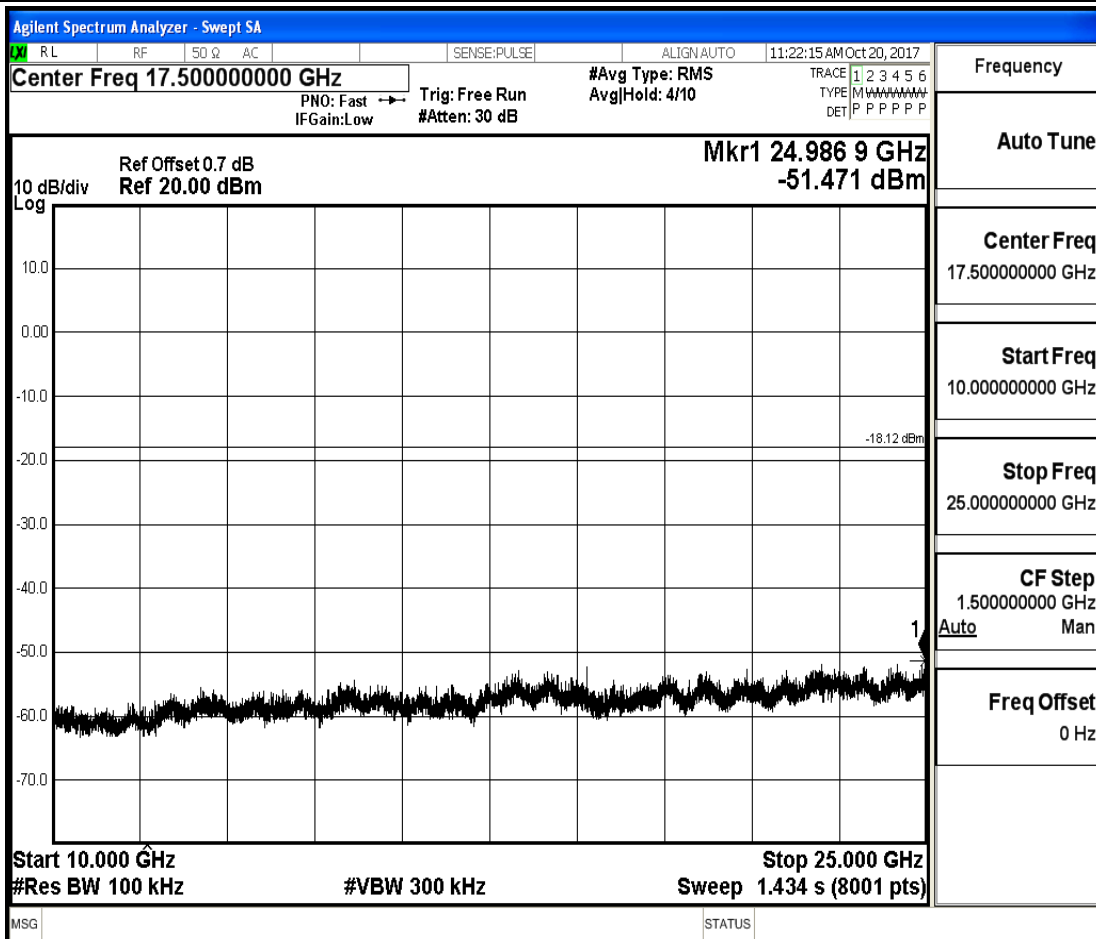
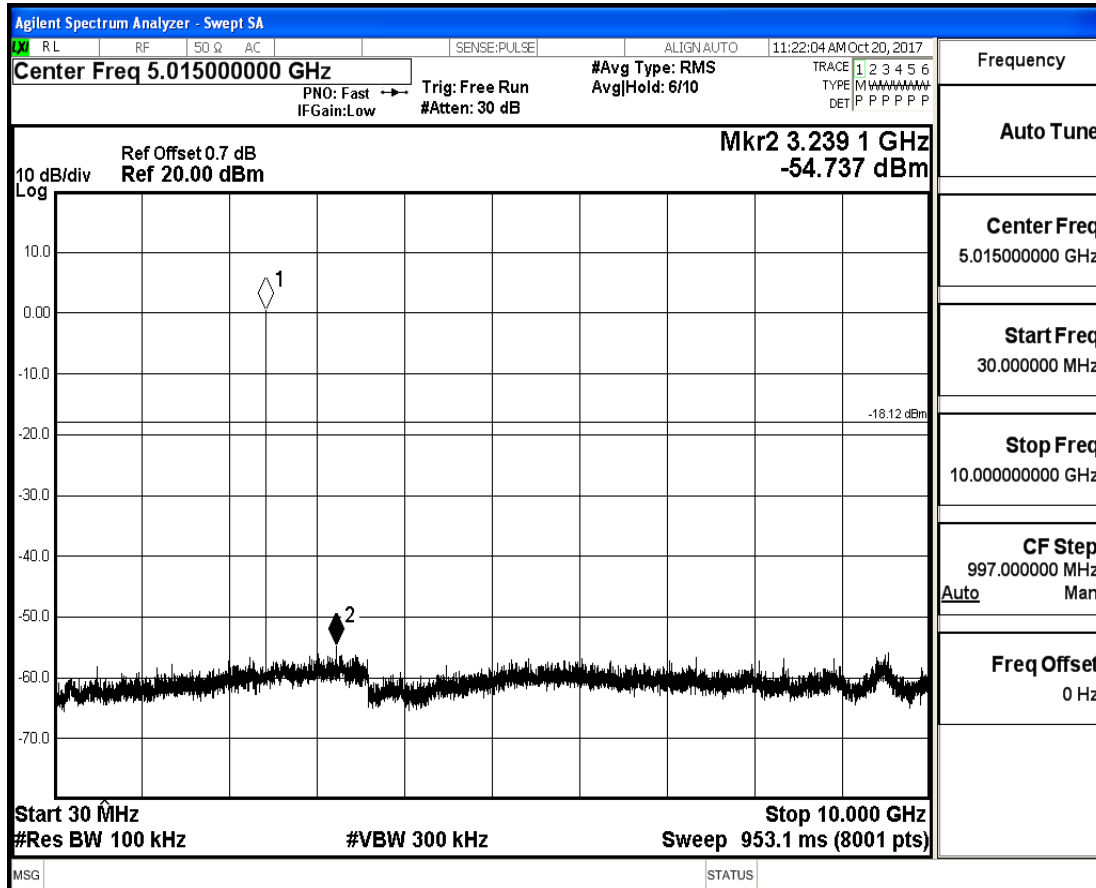
RF Conducted Spurious Emissions_3DH1_2402



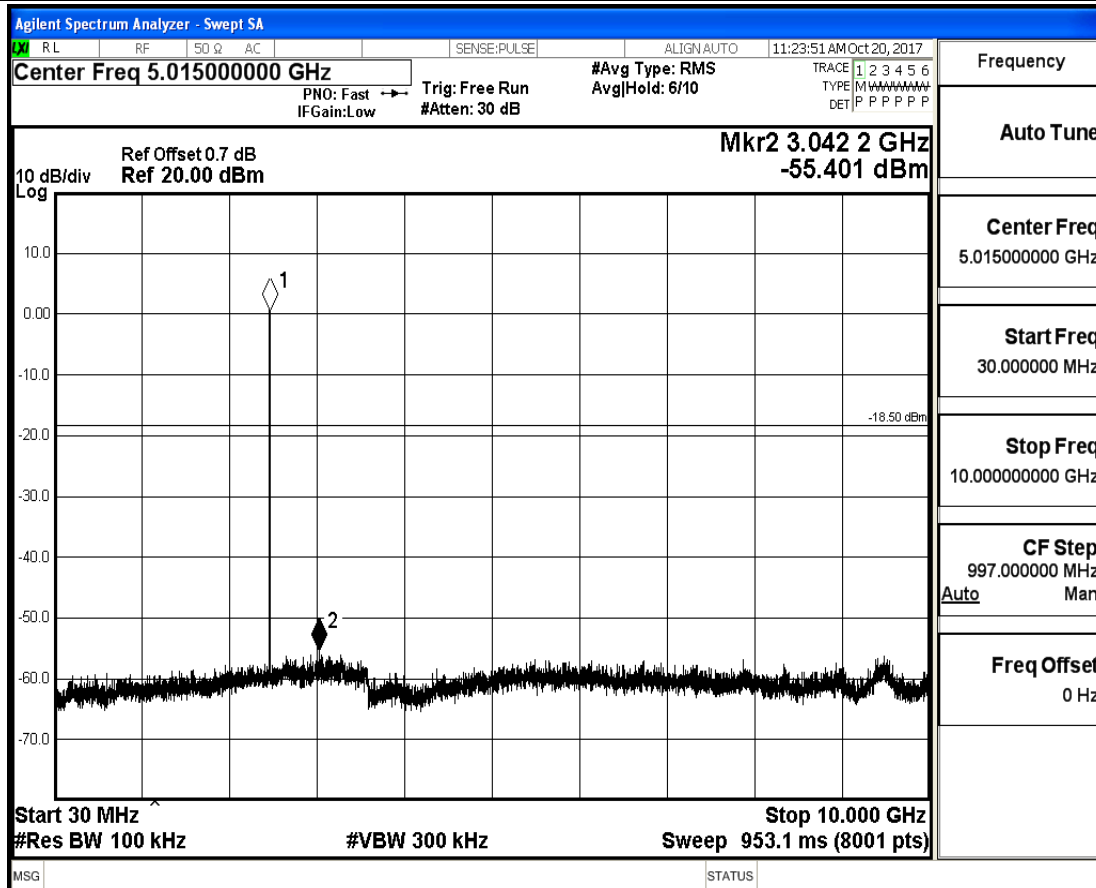
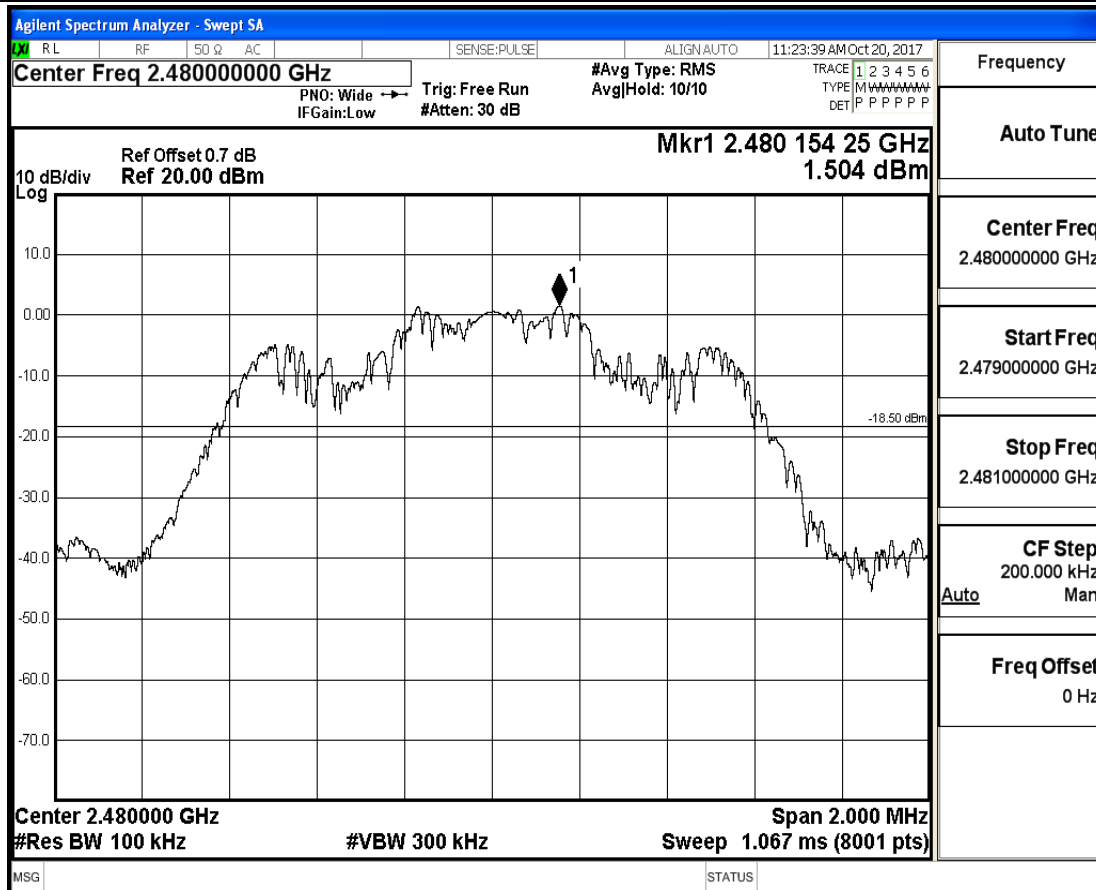


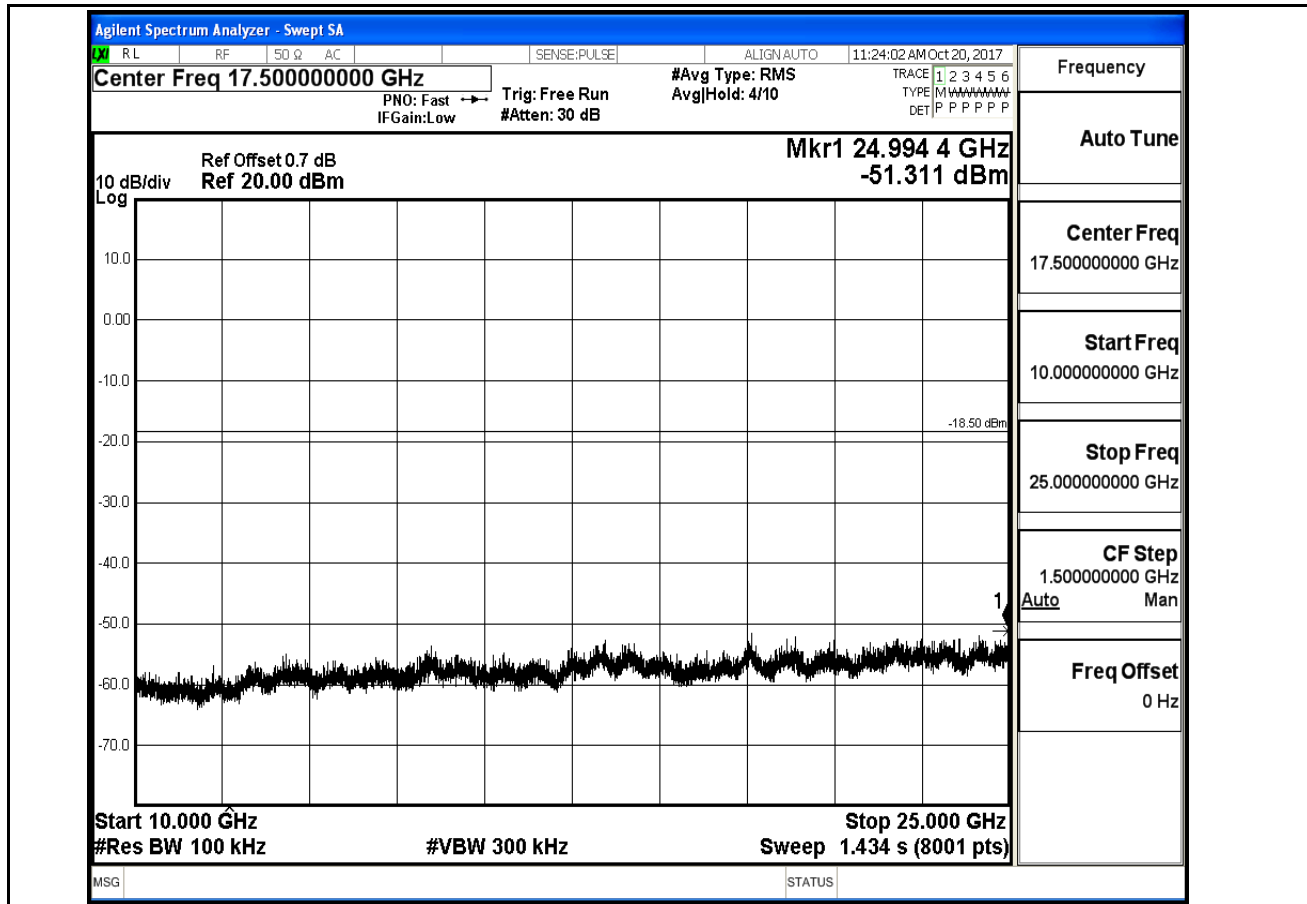
RF Conducted Spurious Emissions_3DH1_2441





RF Conducted Spurious Emissions_3DH1_2480

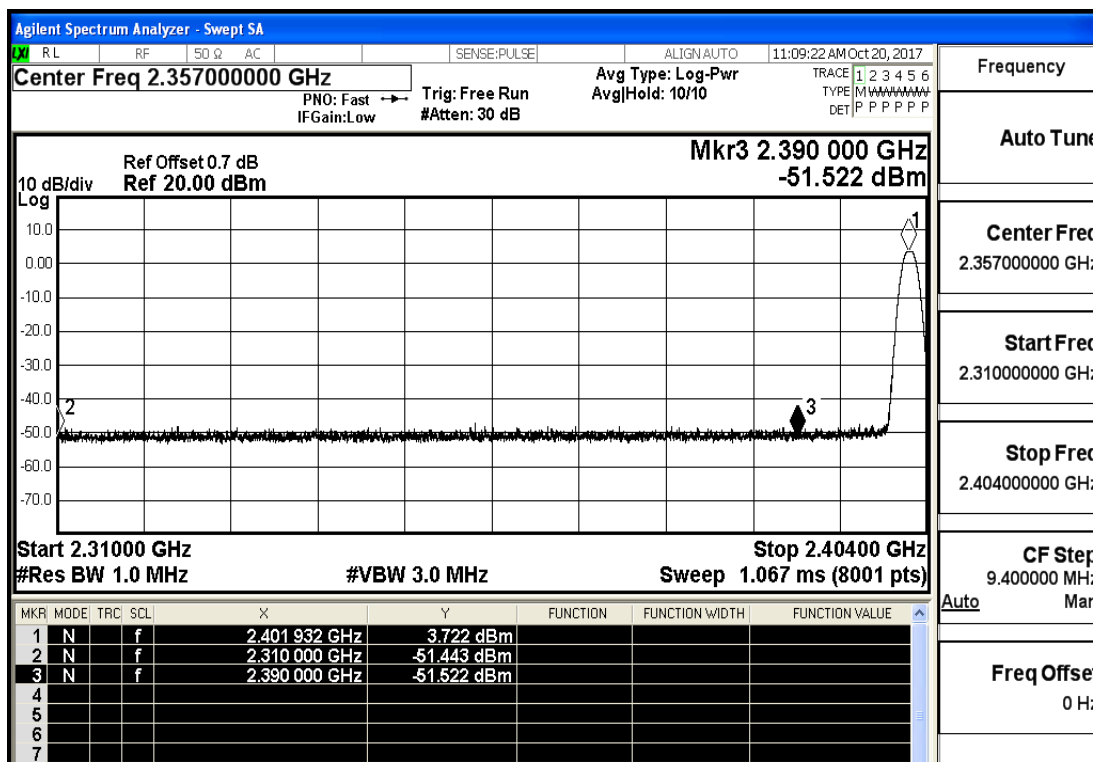




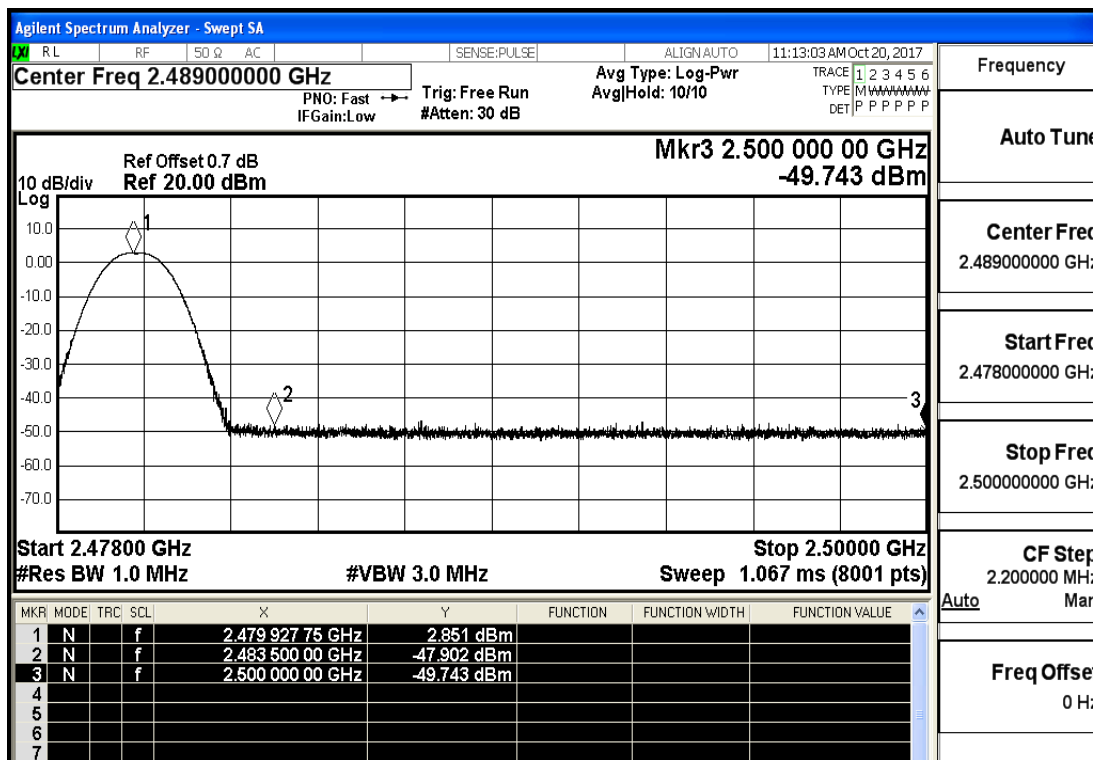
9.Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
DH1	off	2310.0	-51.44	2	0	45.82	PEAK	74	PASS
DH1	off	2390.0	-51.52	2	0	45.74	PEAK	74	PASS
DH1	off	2483.5	-47.90	2	0	49.36	PEAK	74	PASS
DH1	off	2500.0	-49.74	2	0	47.52	PEAK	74	PASS
2DH1	off	2310.0	-52.06	2	0	45.20	PEAK	74	PASS
2DH1	off	2390.0	-51.66	2	0	45.60	PEAK	74	PASS
2DH1	off	2483.5	-49.18	2	0	48.08	PEAK	74	PASS
2DH1	off	2500.0	-50.75	2	0	46.51	PEAK	74	PASS
3DH1	off	2310.0	-52.27	2	0	44.99	PEAK	74	PASS
3DH1	off	2390.0	-50.15	2	0	47.11	PEAK	74	PASS
3DH1	off	2483.5	-49.89	2	0	47.37	PEAK	74	PASS
3DH1	off	2500.0	-49.52	2	0	47.74	PEAK	74	PASS

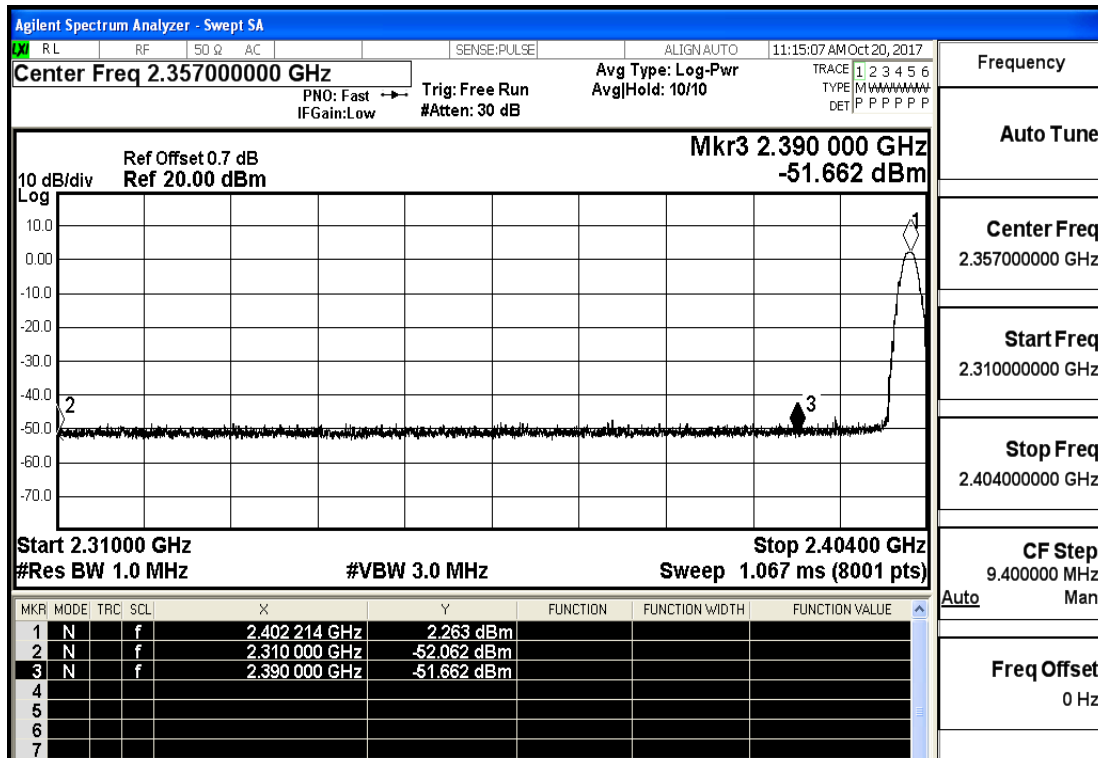
Restrict-band band-edge measurements_Hopping On_2402 PEAK-DH1



Restrict-band band-edge measurements_Hopping On_2480 PEAK-DH1



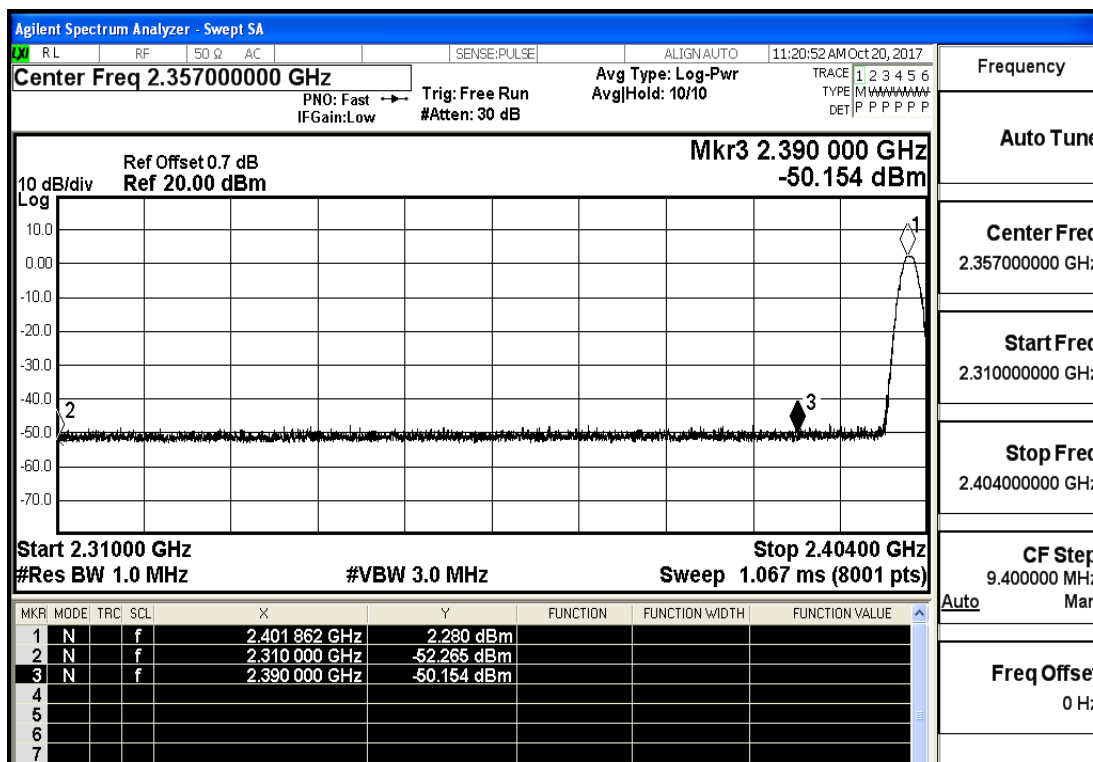
Restrict-band band-edge measurements_Hopping On_2402 PEAK-2DH1



Restrict-band band-edge measurements_Hopping On_2480 PEAK-2DH1



Restrict-band band-edge measurements_Hopping On_2402 PEAK-3DH1



Restrict-band band-edge measurements_Hopping On_2480 PEAK-3DH1

