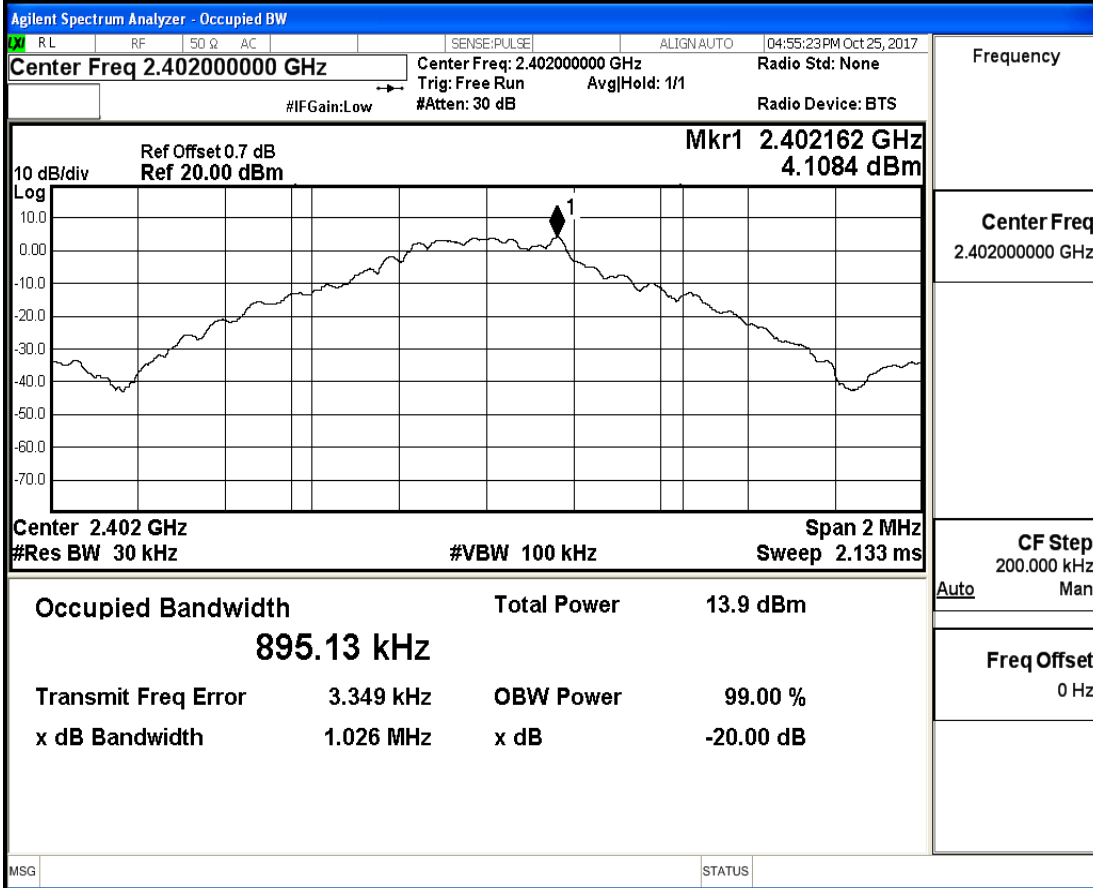


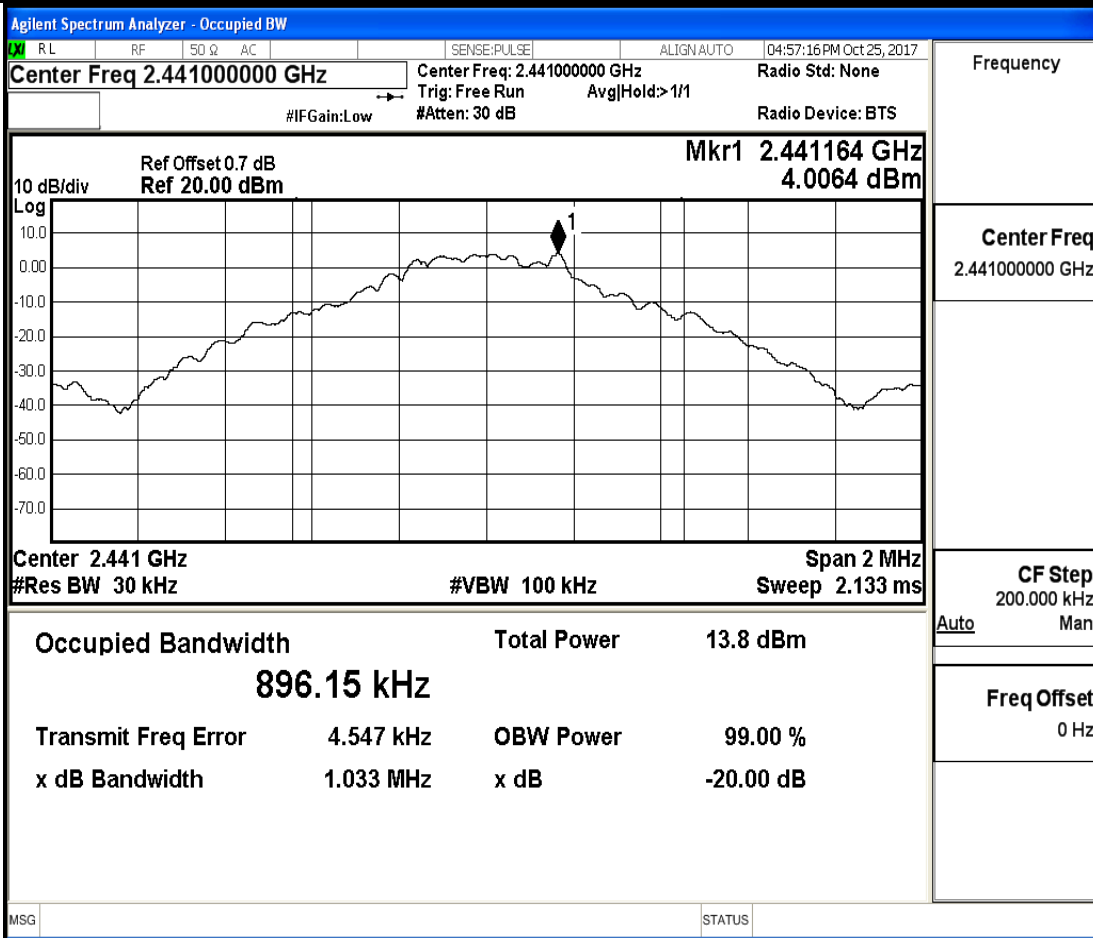
1.20 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
DH5	2402	1.026	---	PASS
DH5	2441	1.033	---	PASS
DH5	2480	1.029	---	PASS
2DH5	2402	1.290	---	PASS
2DH5	2441	1.290	---	PASS
2DH5	2480	1.292	---	PASS

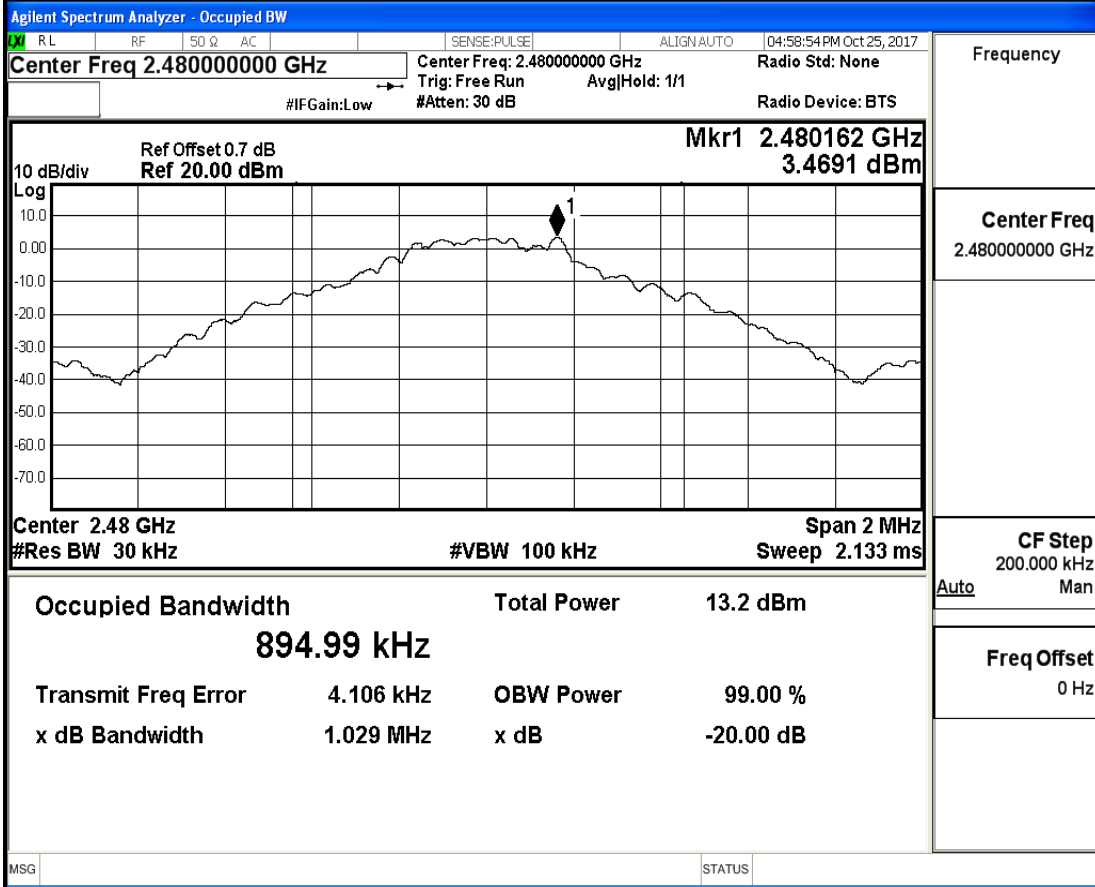
20 dB Bandwidth_DH5_2402



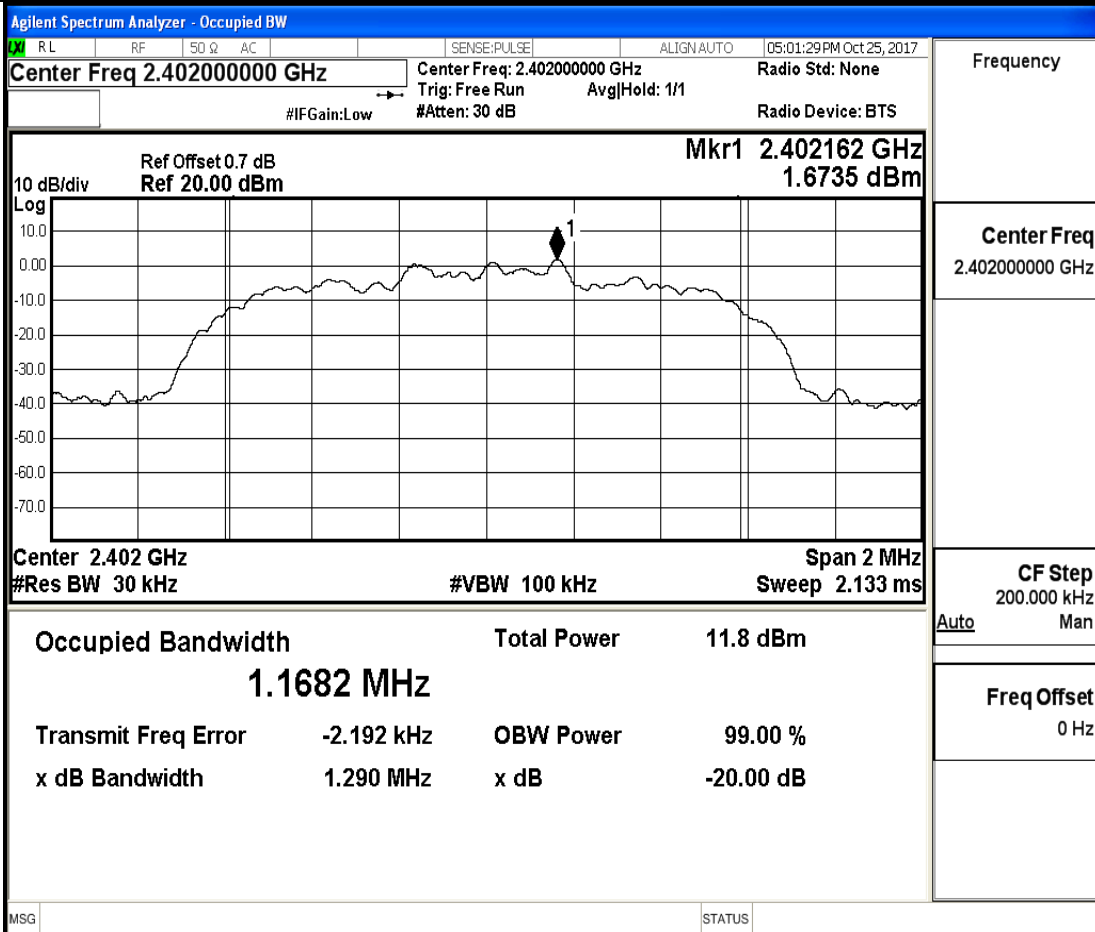
20 dB Bandwidth_DH5_2441



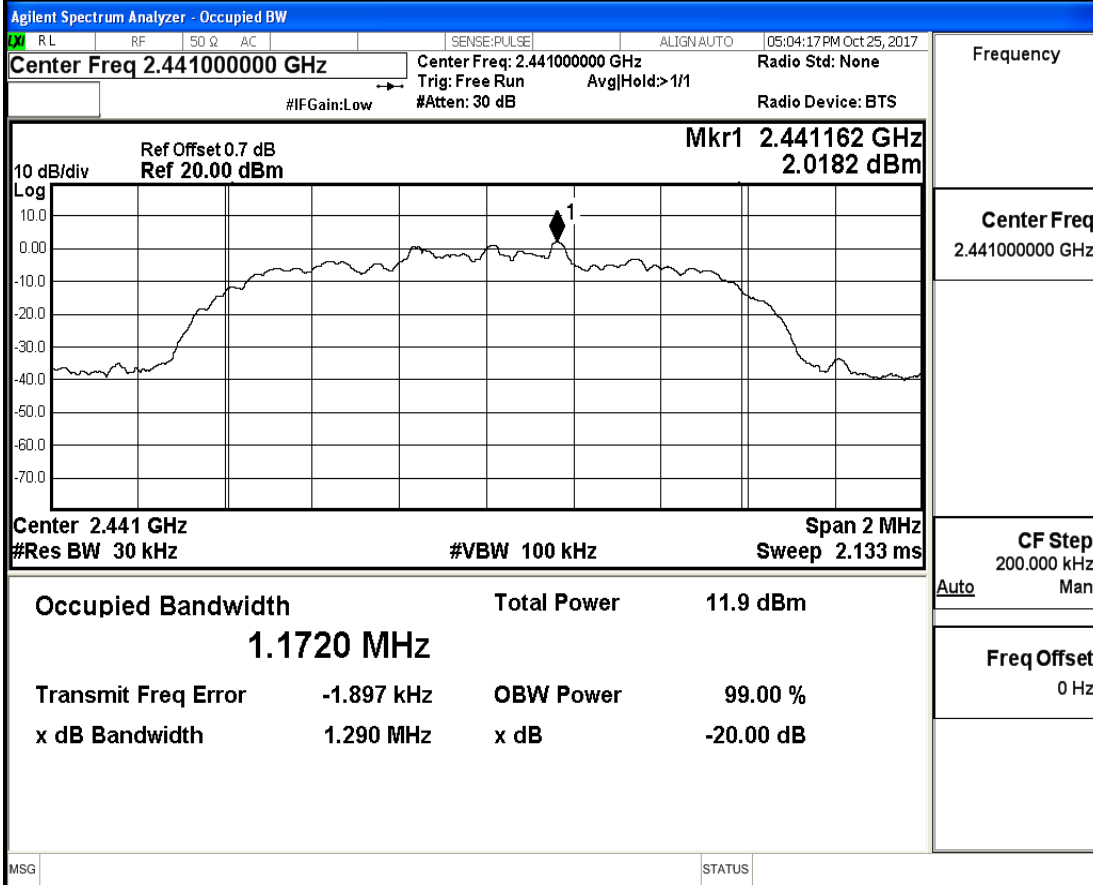
20 dB Bandwidth_DH5_2480



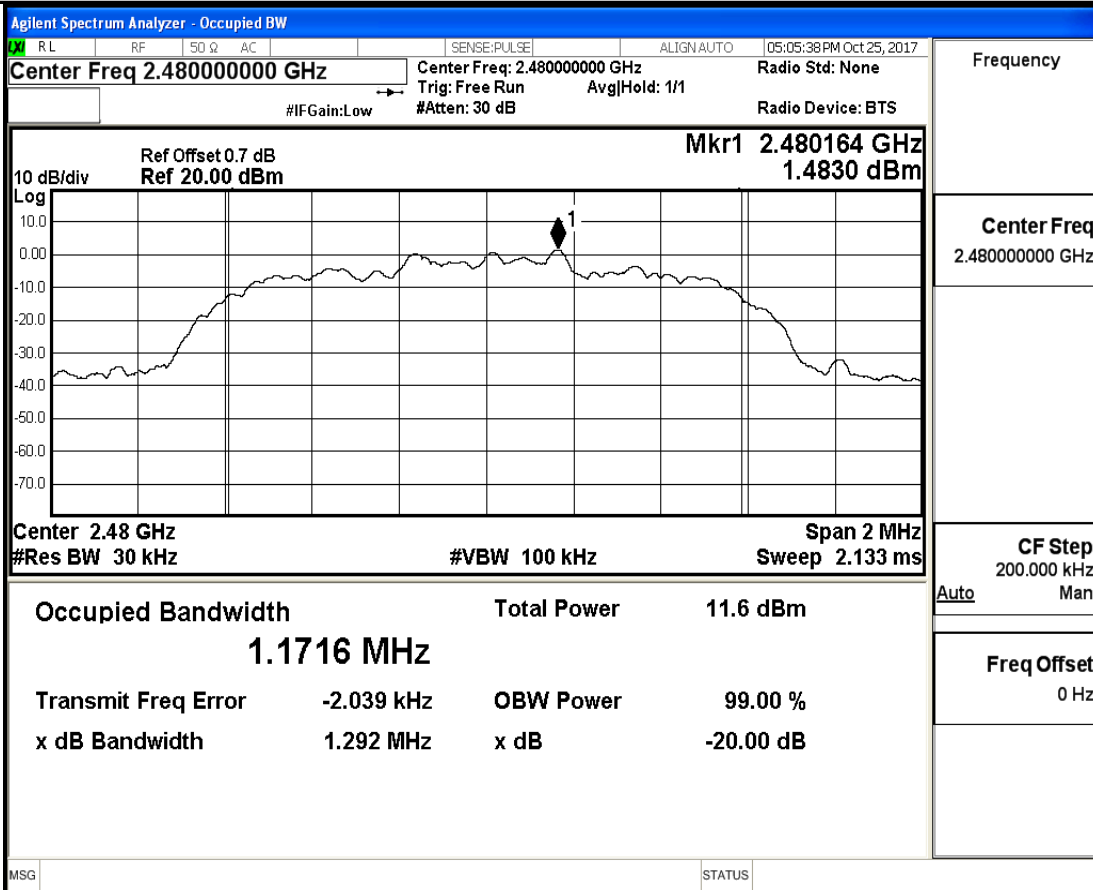
20 dB Bandwidth_2DH5_2402



20 dB Bandwidth_2DH5_2441



20 dB Bandwidth_2DH5_2480



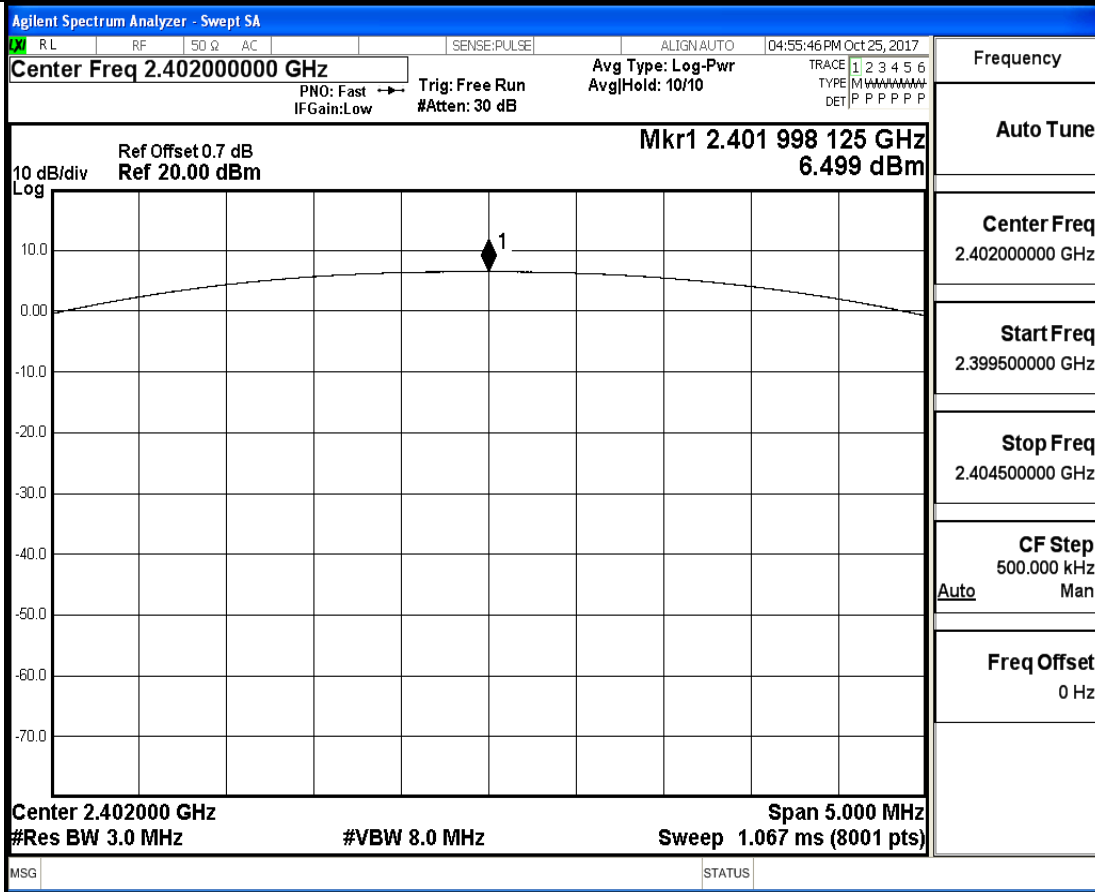
2.Occupied Bandwidth

Test Mode	Test Channel	OBW[MHz]	Limit[MHz]	Verdict
-----------	--------------	----------	------------	---------

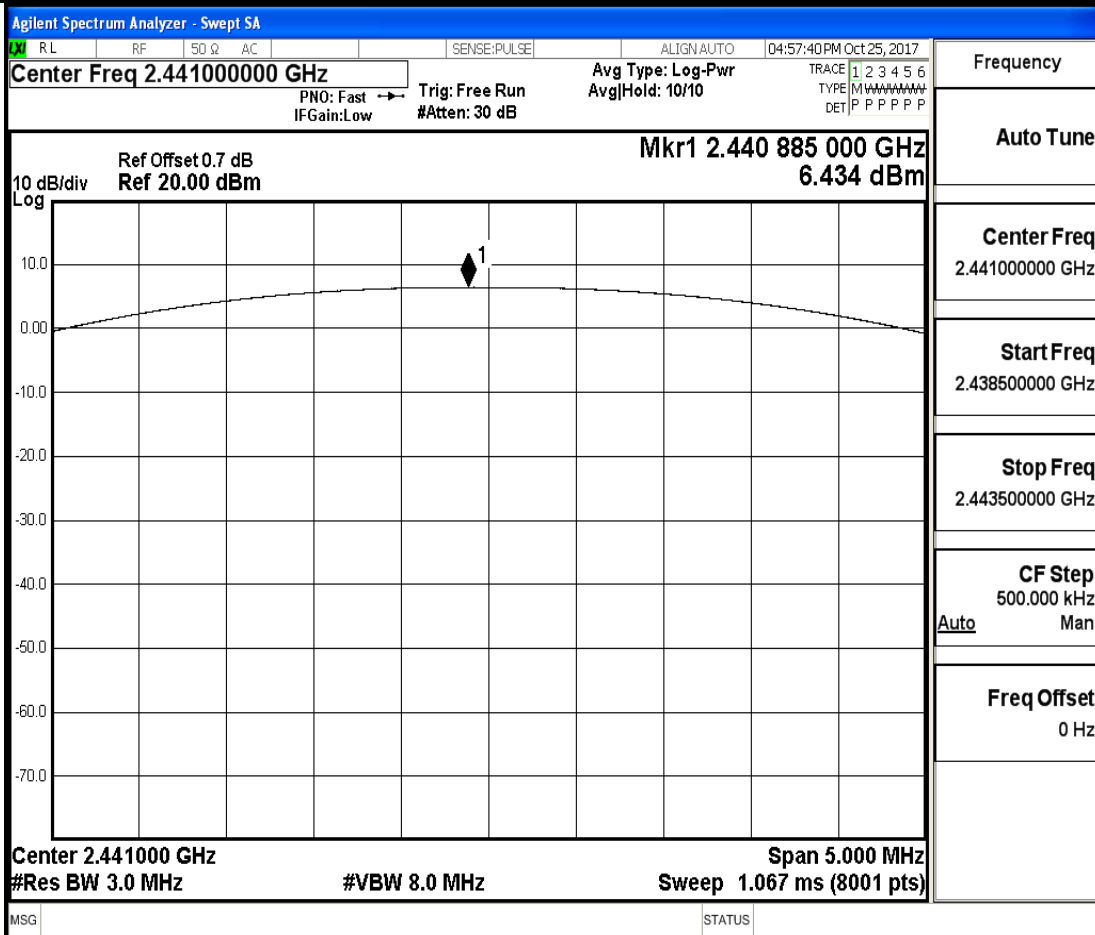
3.Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
DH5	2402	6.499	30	PASS
DH5	2441	6.434	30	PASS
DH5	2480	5.786	30	PASS
2DH5	2402	5.645	30	PASS
2DH5	2441	5.725	30	PASS
2DH5	2480	5.147	30	PASS

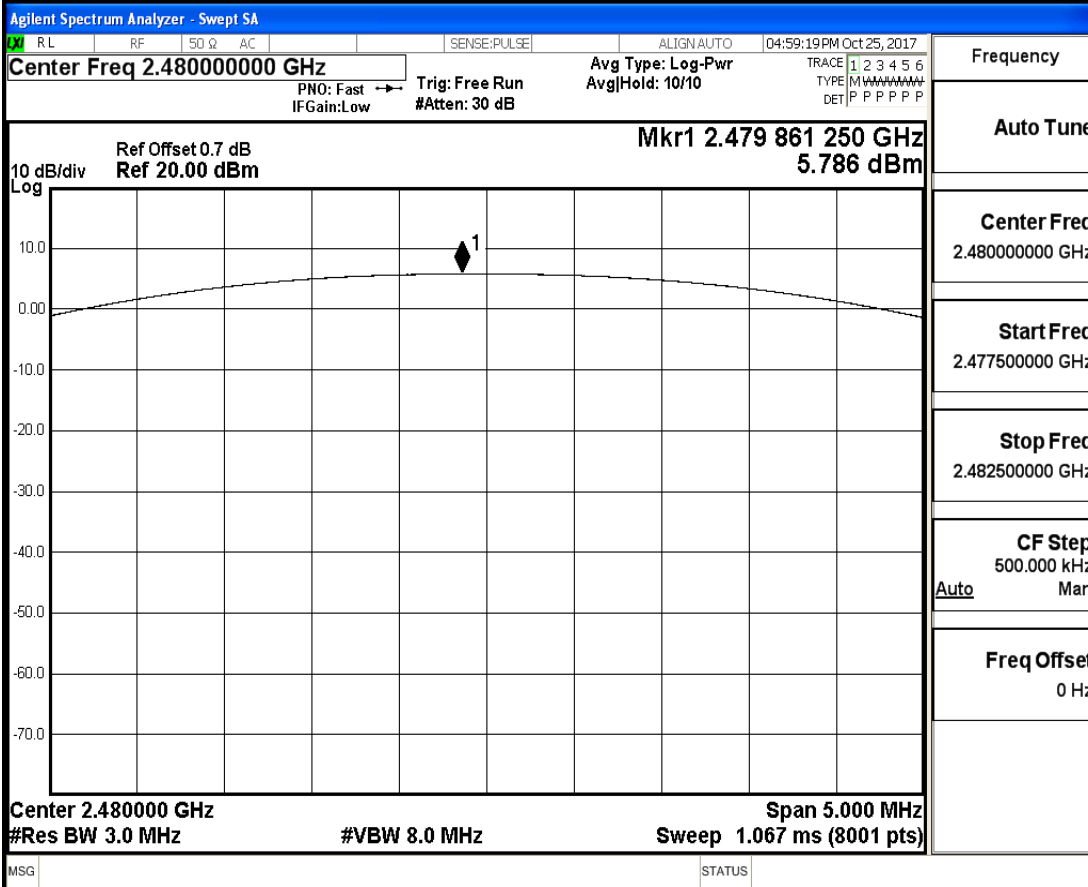
Conducted Peak Output Power_DH5_2402



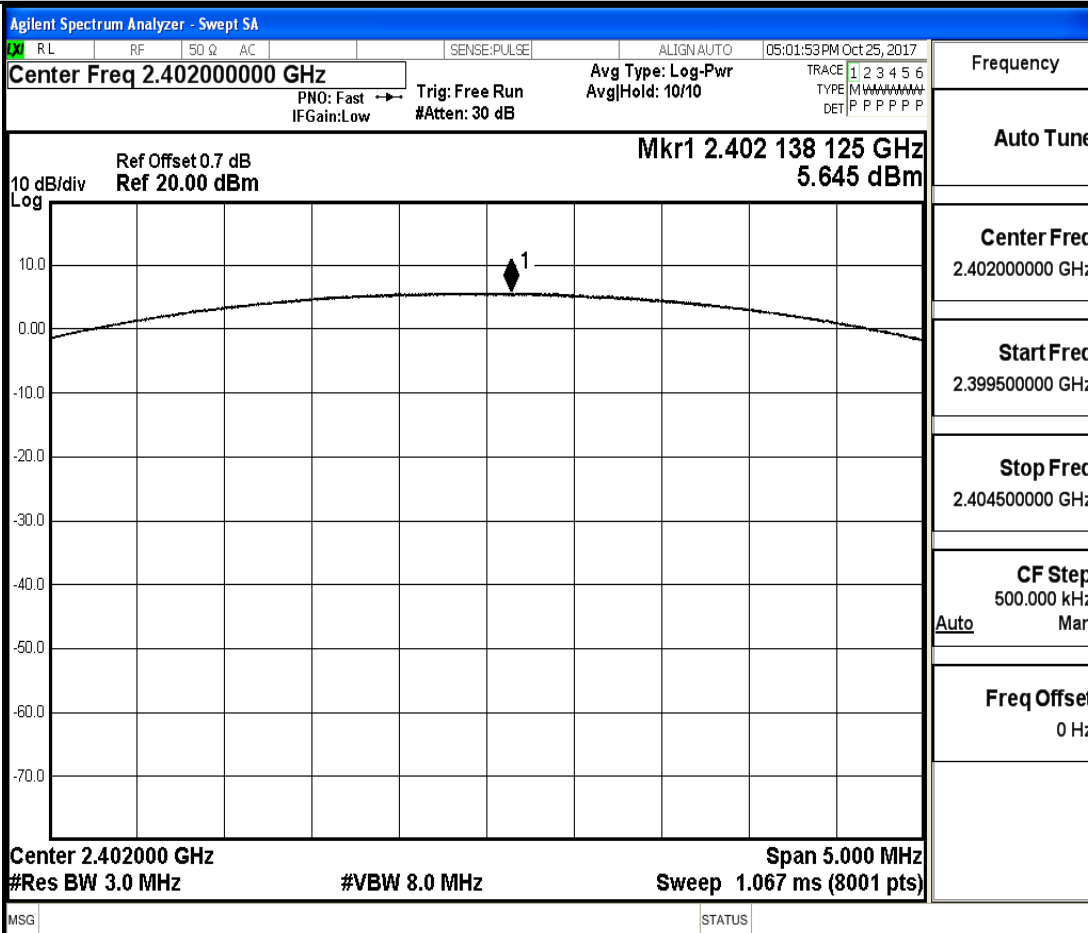
Conducted Peak Output Power_DH5_2441



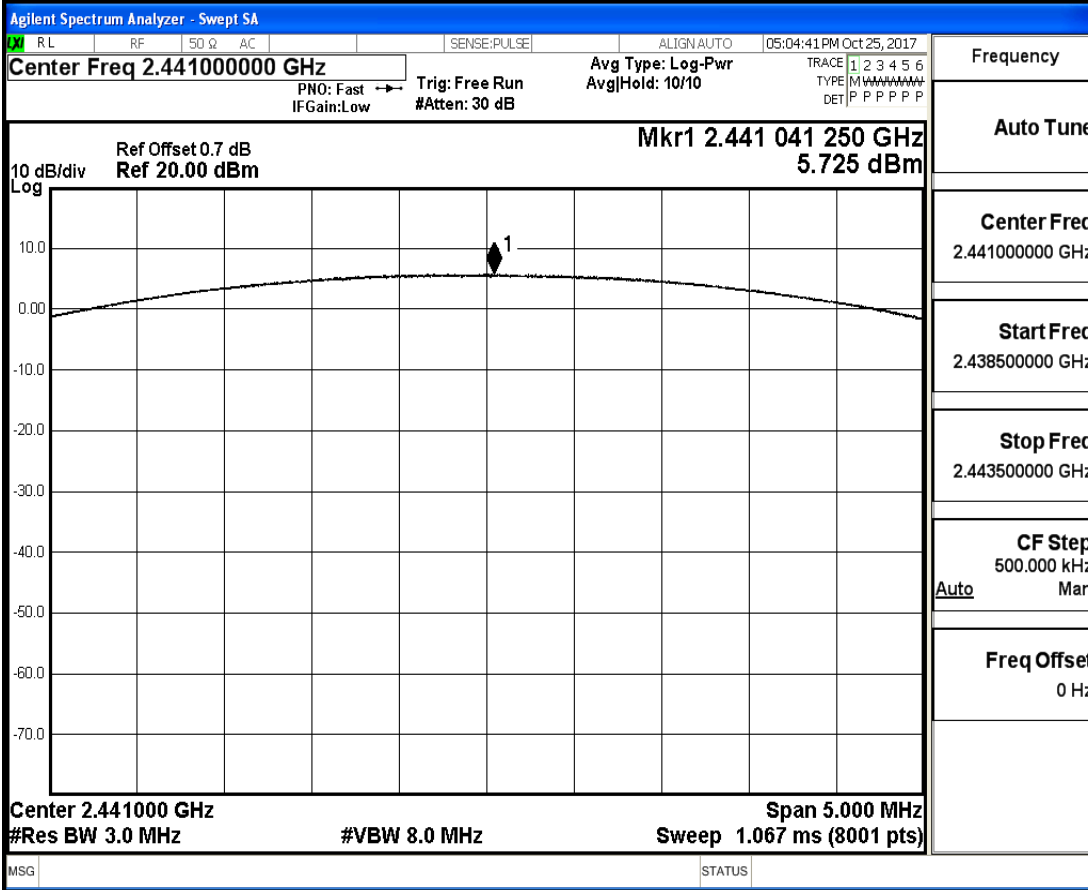
Conducted Peak Output Power_DH5_2480



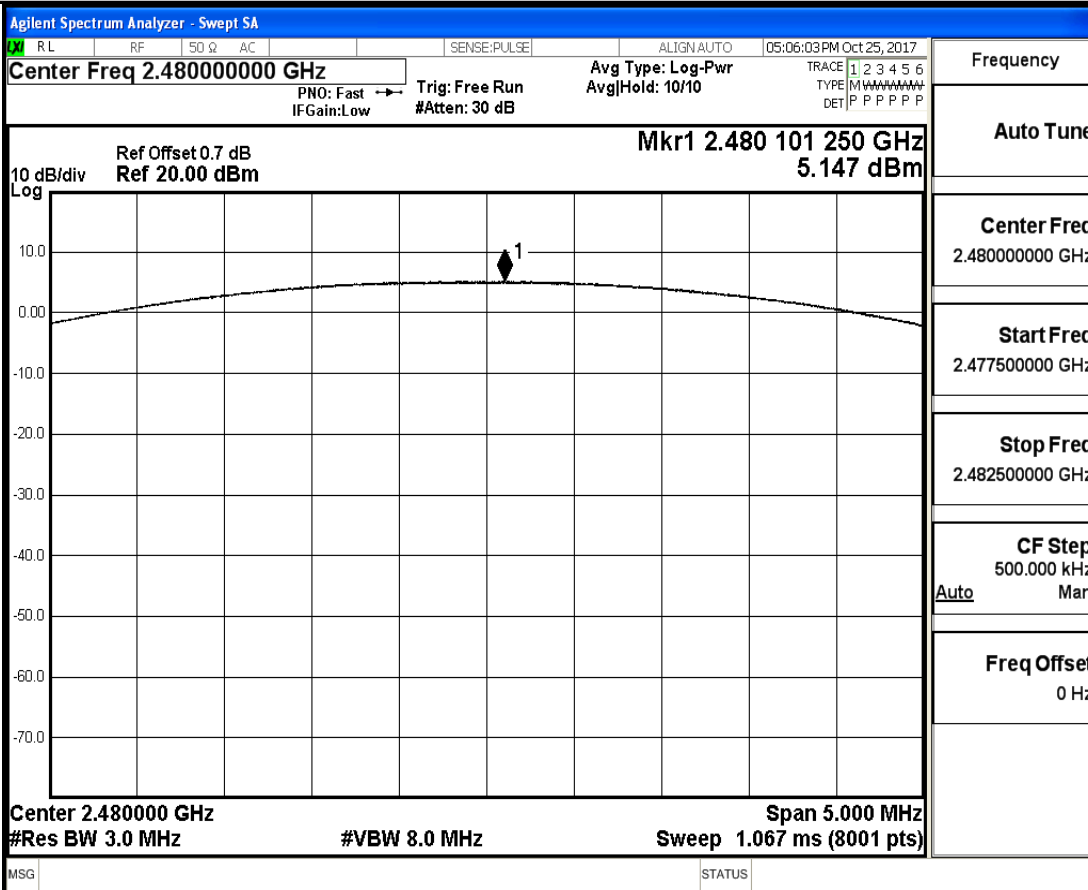
Conducted Peak Output Power_2DH5_2402



Conducted Peak Output Power_2DH5_2441



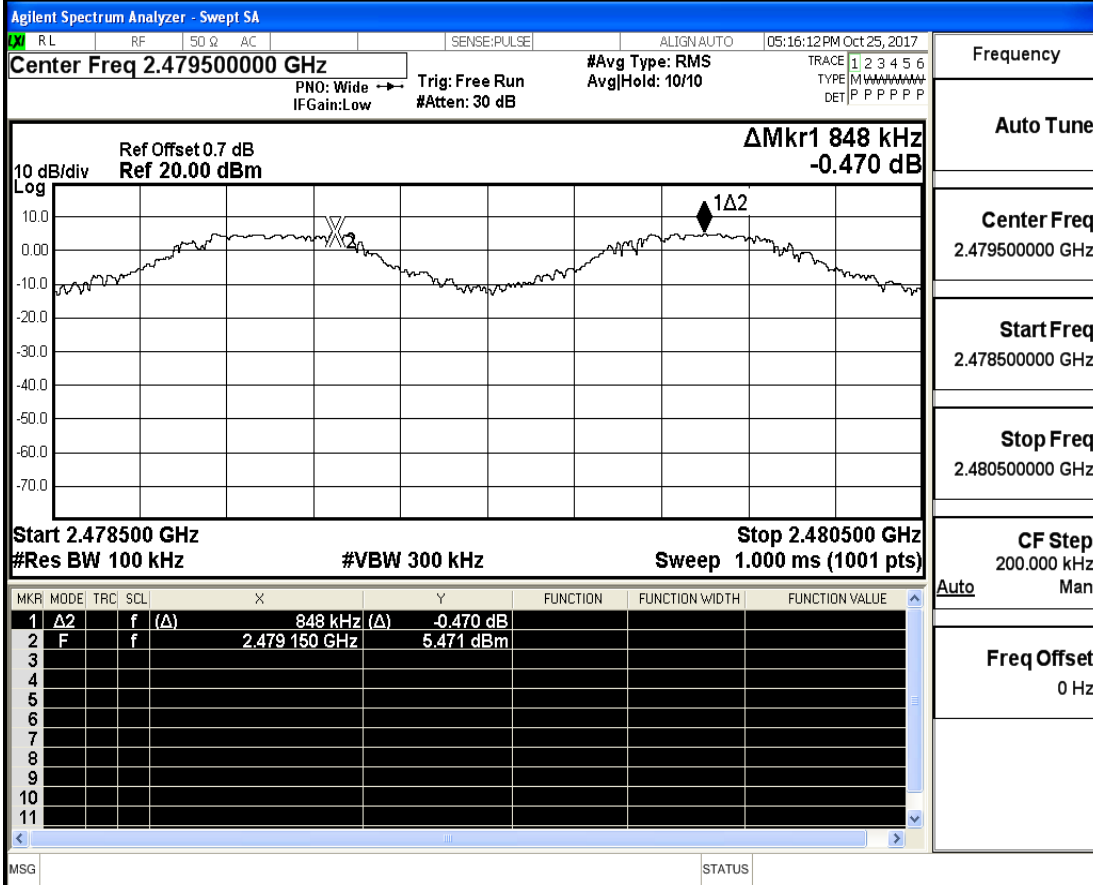
Conducted Peak Output Power_2DH5_2480



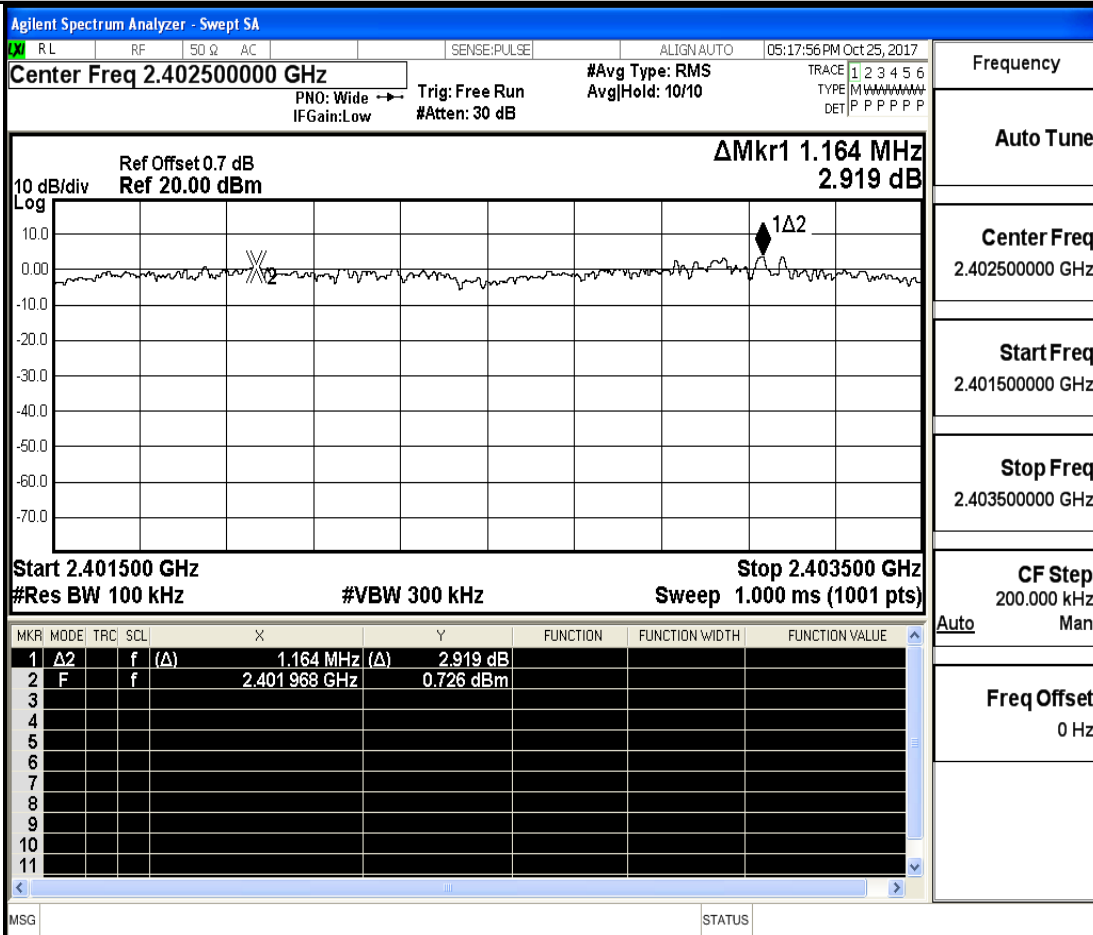
4.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[kHz]	Verdict
DH5	2402	1.068	684.00	PASS
DH5	2441	0.998	688.67	PASS
DH5	2480	0.848	686.00	PASS
2DH5	2402	1.164	860.00	PASS
2DH5	2441	1.042	860.00	PASS
2DH5	2480	1.150	861.33	PASS

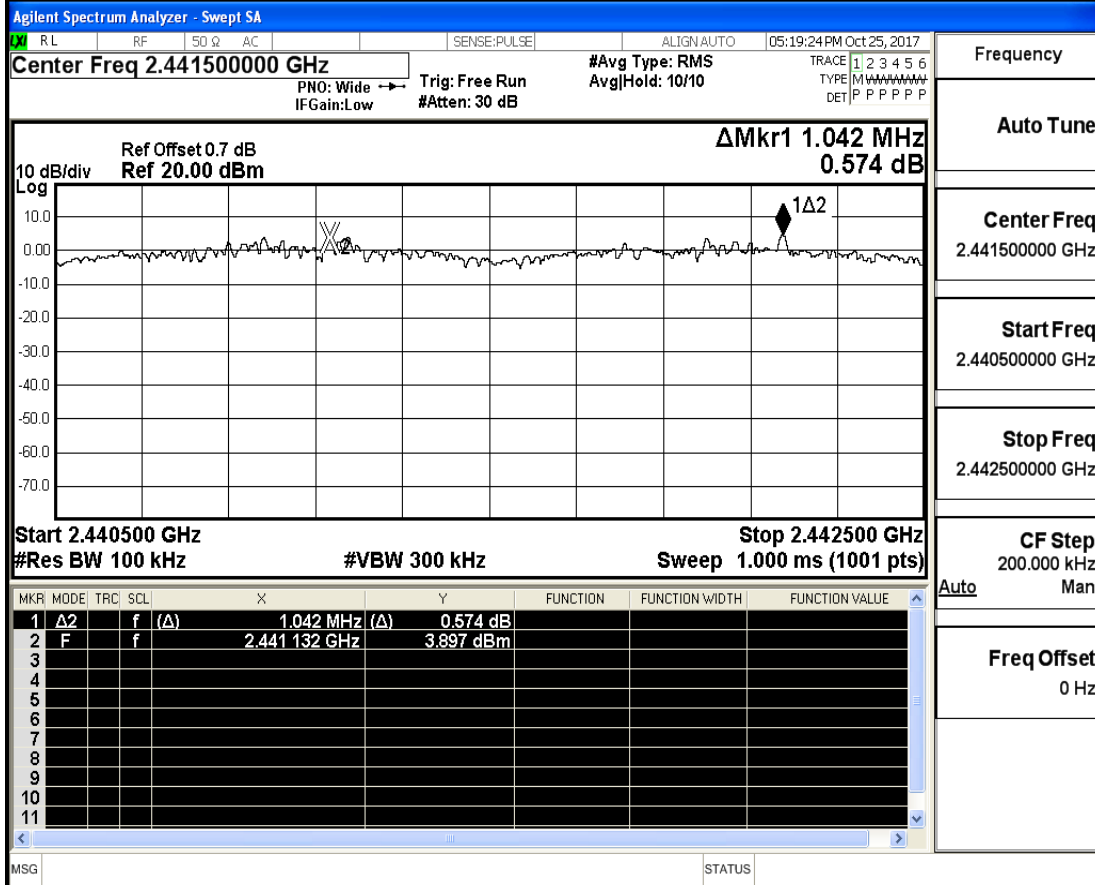
Carrier Frequency Separation_DH5_2480



Carrier Frequency Separation_2DH5_2402

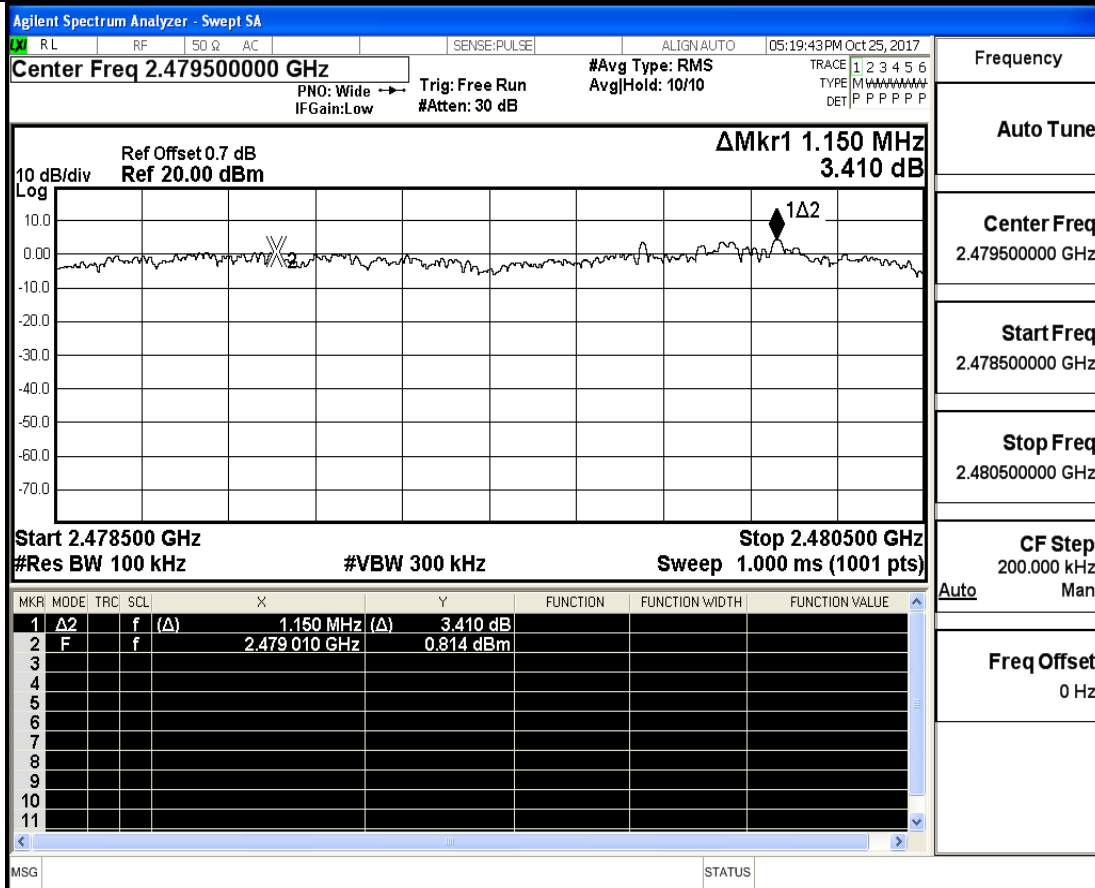


Carrier Frequency Separation_2DH5_2441



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_2DH5_2480

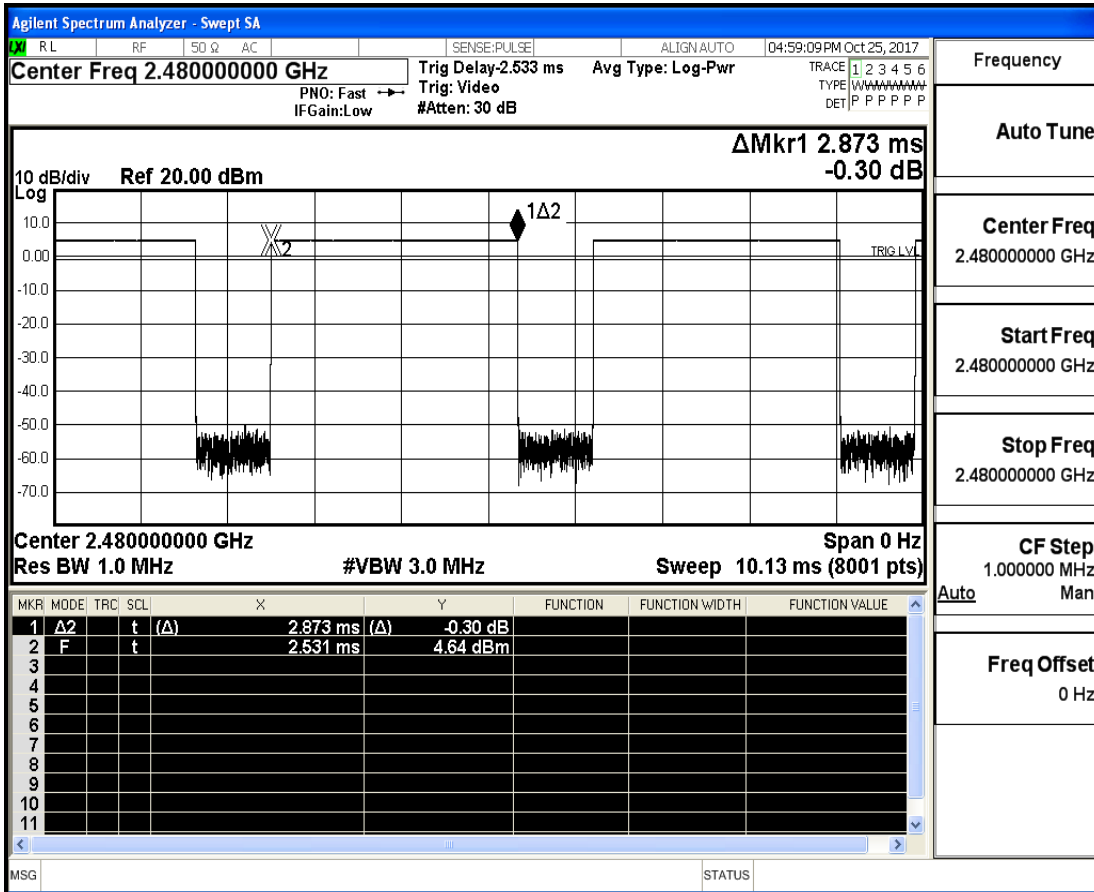


Frequency
Auto Tune
Center Freq 2.479500000 GHz
Start Freq 2.478500000 GHz
Stop Freq 2.480500000 GHz
CF Step 200.000 kHz
Auto Man
Freq Offset 0 Hz

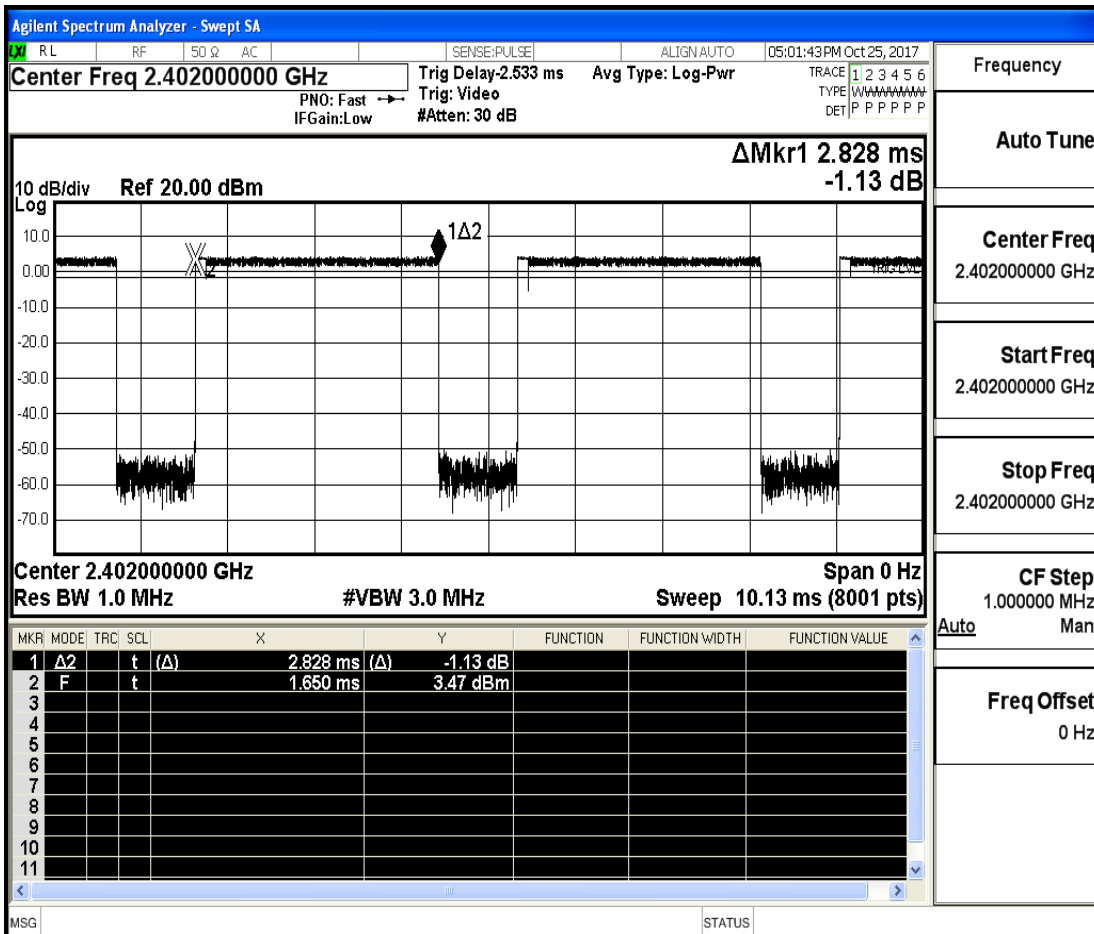
5.Dwell Time

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	2.83	106.7	0.302	0.4	PASS
2DH5	2441	2.83	106.7	0.302	0.4	PASS
2DH5	2480	2.83	106.7	0.302	0.4	PASS

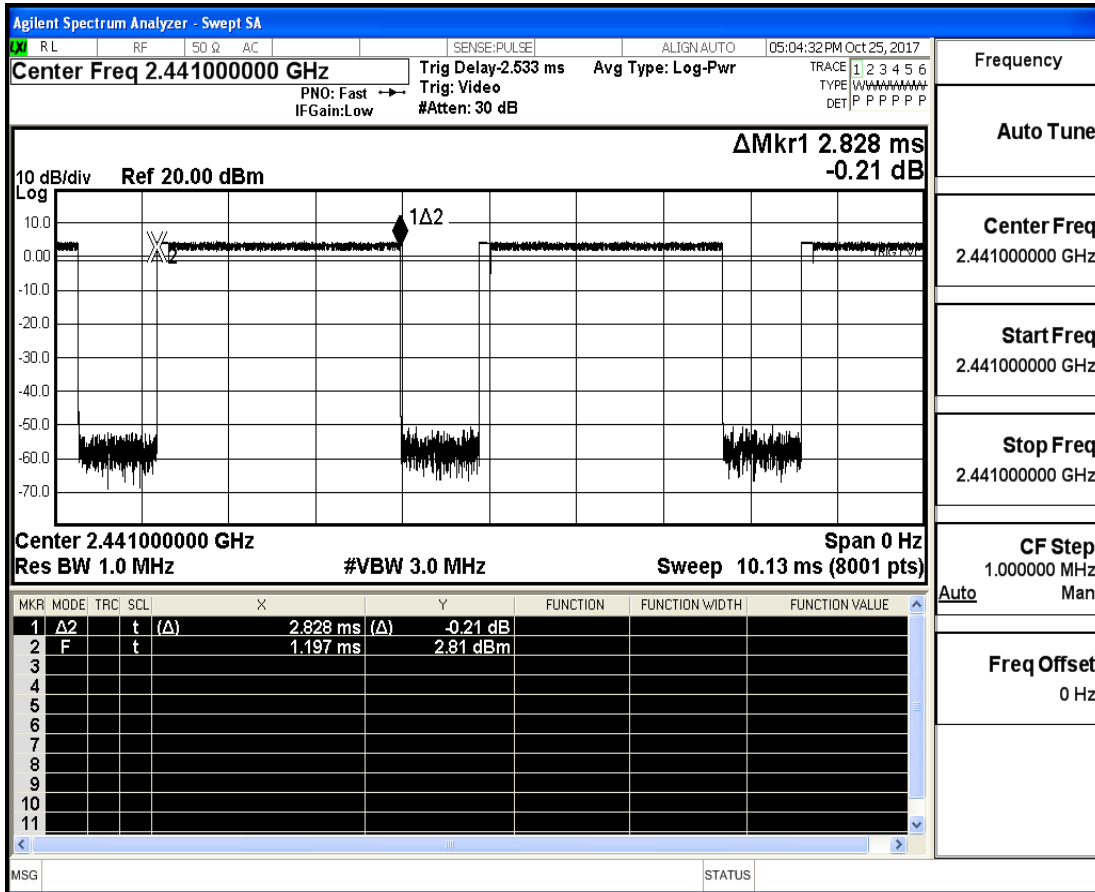
Dwell Time_DH5_2480



Dwell Time_2DH5_2402

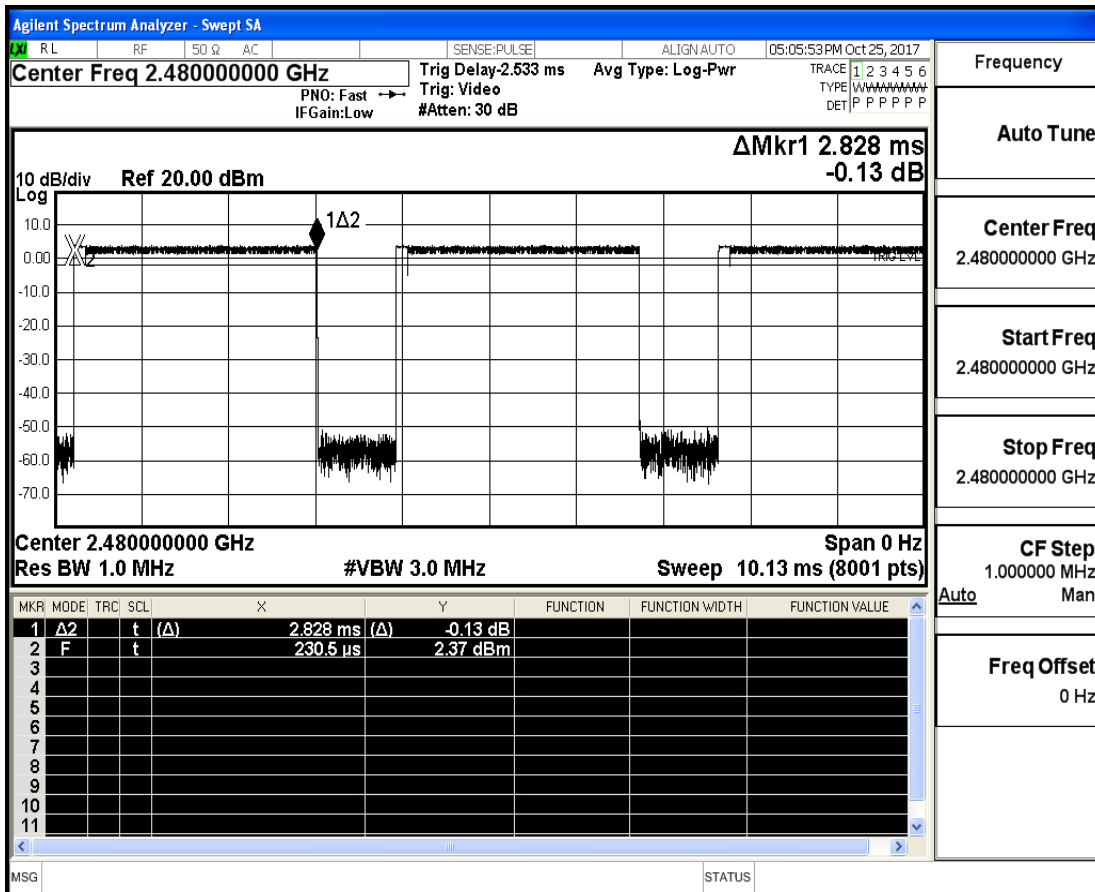


Dwell Time_2DH5_2441



Frequency	
Auto Tune	
Center Freq	2.441000000 GHz
Start Freq	2.441000000 GHz
Stop Freq	2.441000000 GHz
CF Step	1.000000 MHz
Auto	Man
Freq Offset	0 Hz

Dwell Time_2DH5_2480



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

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

Hopping Channel Number_DH5_2402

Agilent Spectrum Analyzer - Swept SA

RL RF 50 Ω AC SENSE:PULSE ALIGN:AUTO 05:17:20 PM Oct 25, 2017

Center Freq 2.441750000 GHz #Avg Type: RMS TRACE 1 2 3 4 5 6
 PNO: Fast → Trig: Free Run Avg|Hold: 10/10 TYPE M W W W W W W W W W
 IFGain:Low #Atten: 30 dB DET P P P P P P P

Ref Offset 0.7 dB ΔMkr1 78.219 MHz
 Ref 20.00 dBm -0.272 dB

Start 2.40000 GHz Stop 2.48350 GHz
 #Res BW 100 kHz #VBW 300 kHz Sweep 8.000 ms (8001 pts)

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2		f (Δ)	78.219 MHz (Δ)	-0.272 dB			
2	F		f	2.401941 GHz	5.840 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

Frequency

Auto Tune

Center Freq
2.441750000 GHz

Start Freq
2.400000000 GHz

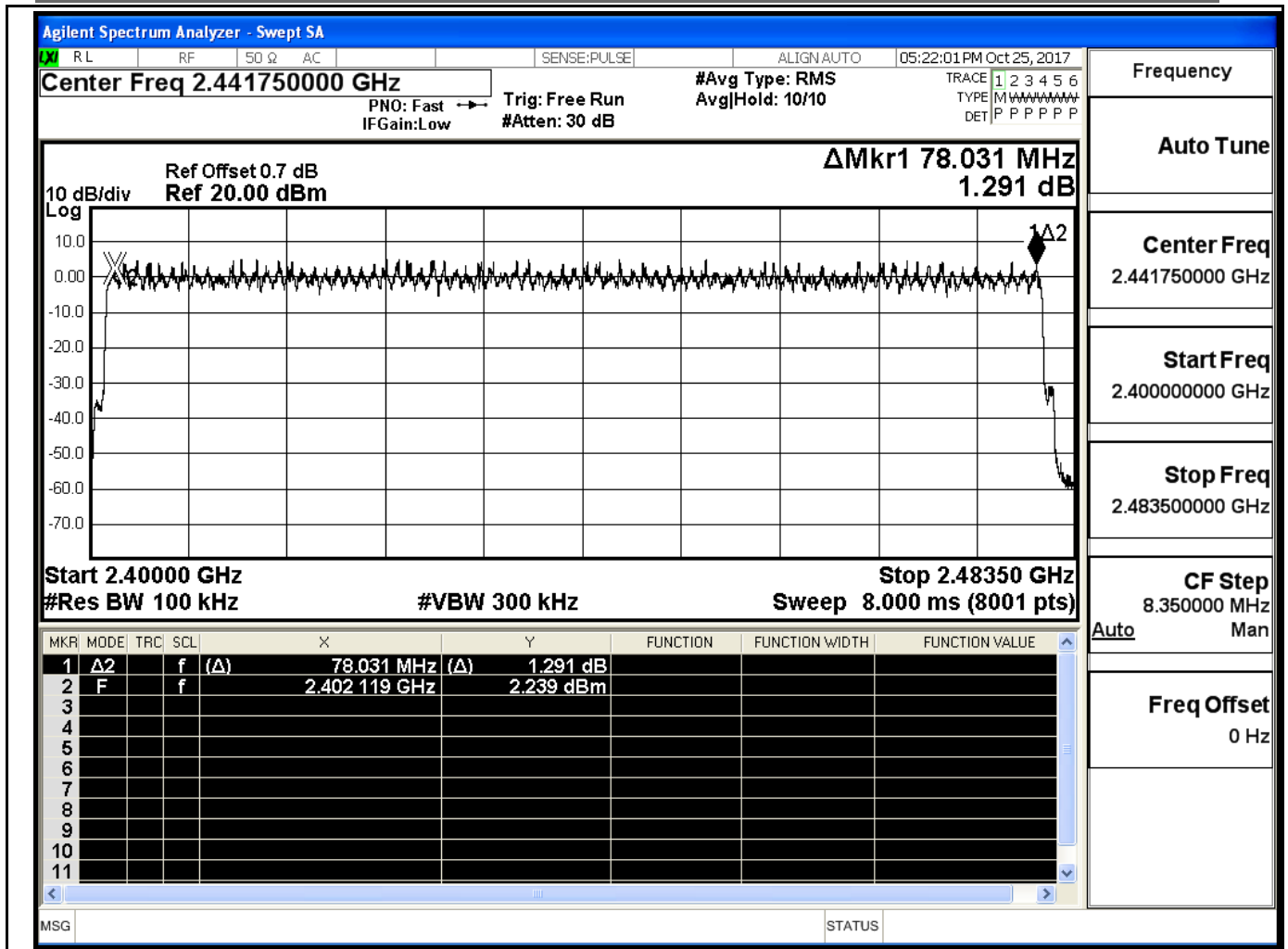
Stop Freq
2.483500000 GHz

CF Step
8.350000 MHz
Auto Man

Freq Offset
0 Hz

MSG STATUS

Hopping Channel Number_2DH5_2402



Frequency

Auto Tune

Center Freq
2.441750000 GHz

Start Freq
2.400000000 GHz

Stop Freq
2.483500000 GHz

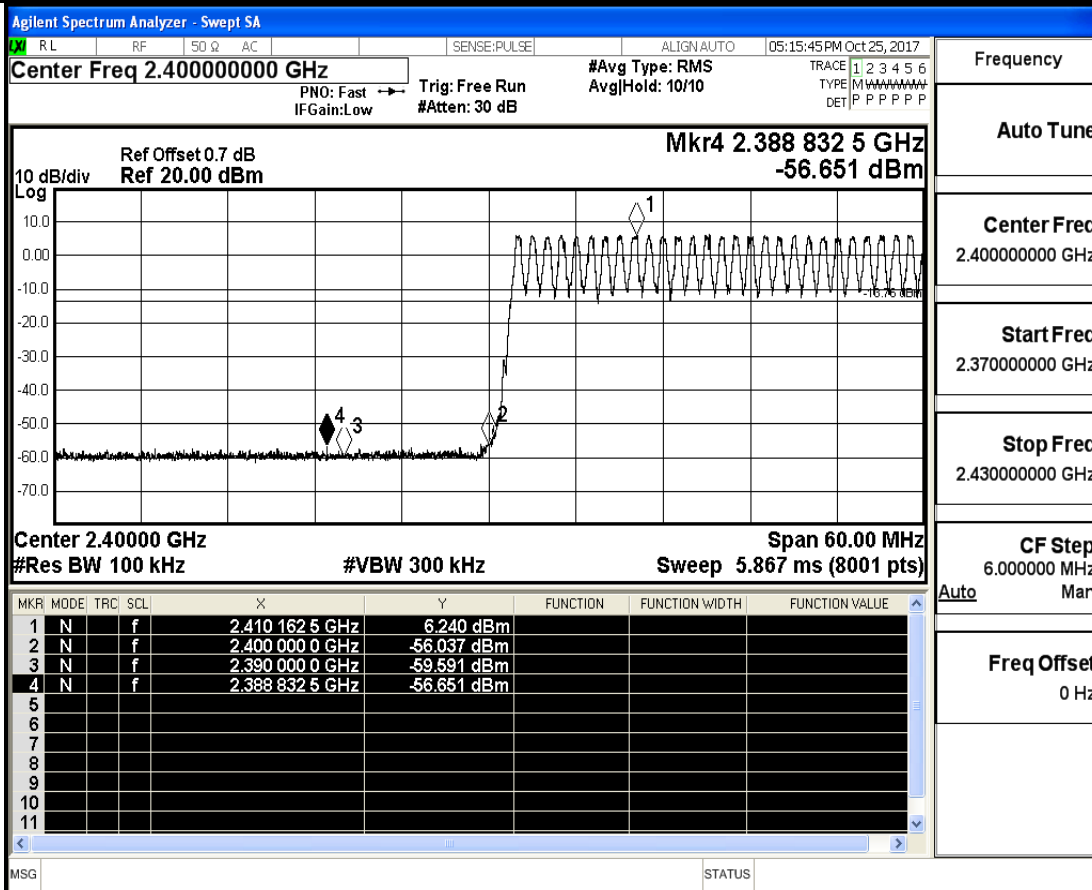
CF Step
8.350000 MHz
Auto Man

Freq Offset
0 Hz

7.Band-edge for RF Conducted Emissions

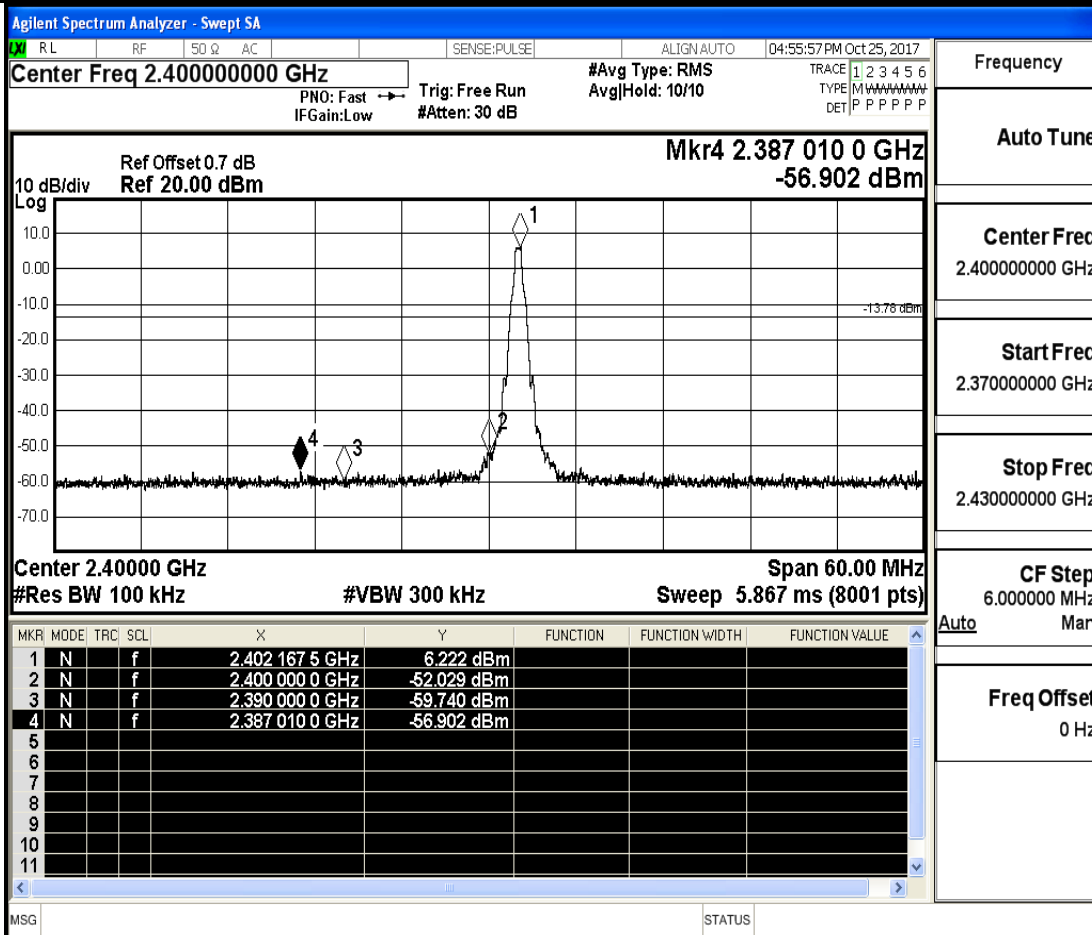
Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH5	2402	On	6.240	-56.651	-13.76	PASS
DH5	2402	Off	6.222	-56.902	-13.78	PASS
DH5	2480	On	5.938	-57.023	-14.06	PASS
DH5	2480	Off	5.387	-56.768	-14.61	PASS
2DH5	2402	On	4.878	-56.546	-15.12	PASS
2DH5	2402	Off	4.577	-57.467	-15.42	PASS
2DH5	2480	On	4.698	-55.760	-15.3	PASS
2DH5	2480	Off	4.342	-56.901	-15.66	PASS

Band-edge for RF Conducted Emissions_DH5_2402_Hopping On



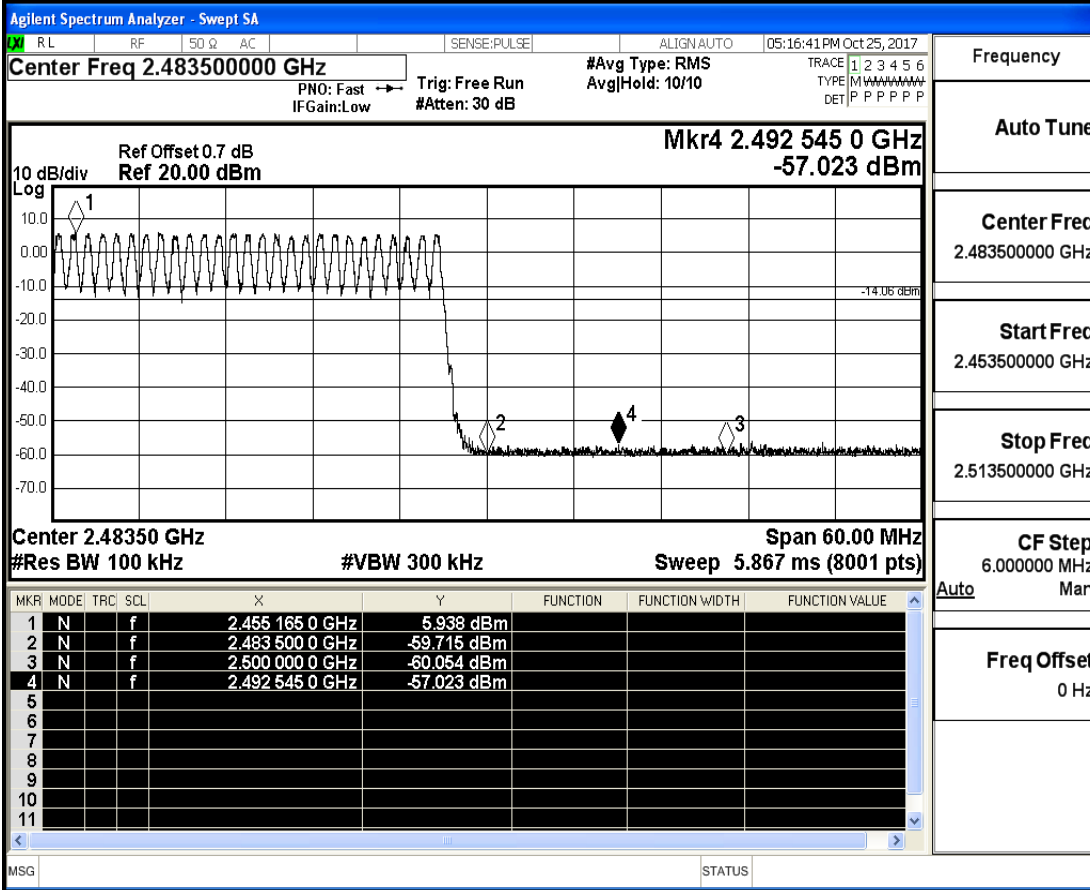
Frequency	
Auto Tune	
Center Freq	2.40000000 GHz
Start Freq	2.370000000 GHz
Stop Freq	2.430000000 GHz
CF Step	6.000000 MHz
Auto	Man
Freq Offset	0 Hz

Band-edge for RF Conducted Emissions_DH5_2402_Hopping Off

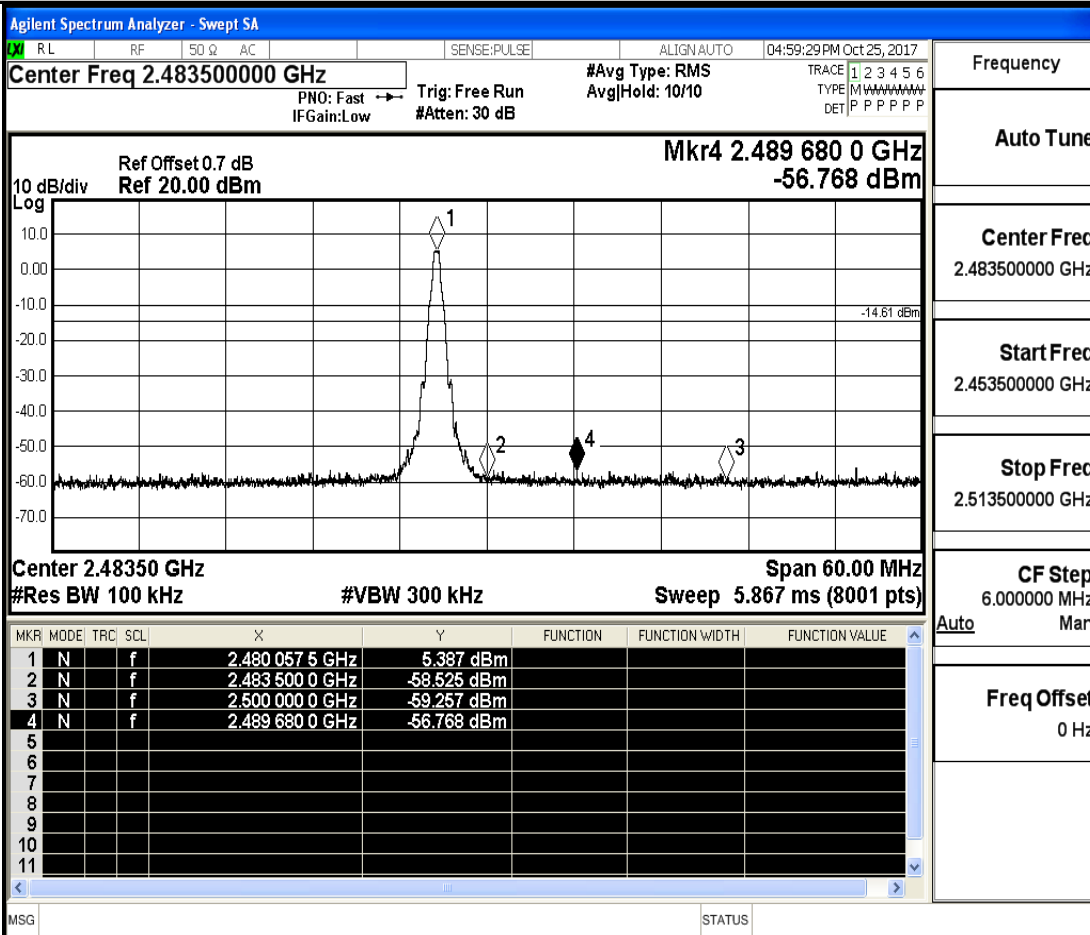


Frequency	
Auto Tune	
Center Freq	2.40000000 GHz
Start Freq	2.370000000 GHz
Stop Freq	2.430000000 GHz
CF Step	6.000000 MHz
Auto	Man
Freq Offset	0 Hz

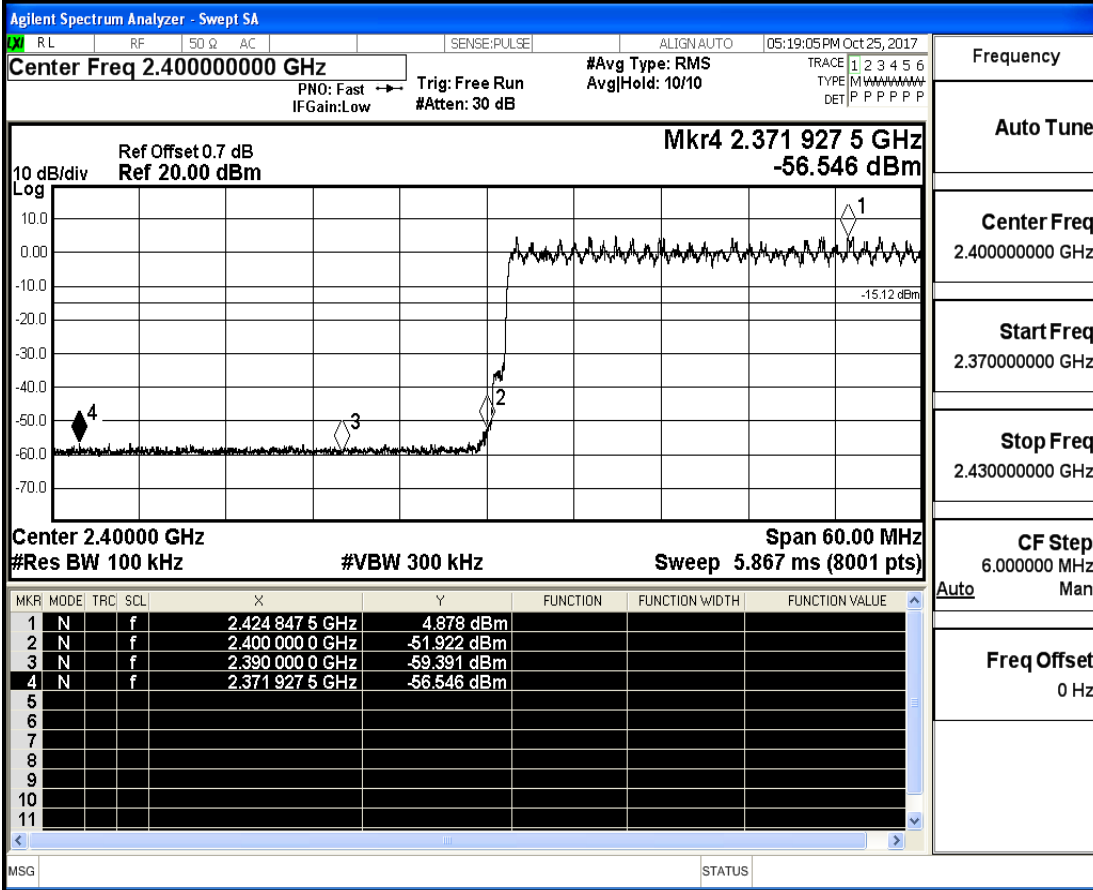
Band-edge for RF Conducted Emissions_DH5_2480_Hopping On



Band-edge for RF Conducted Emissions_DH5_2480_Hopping Off

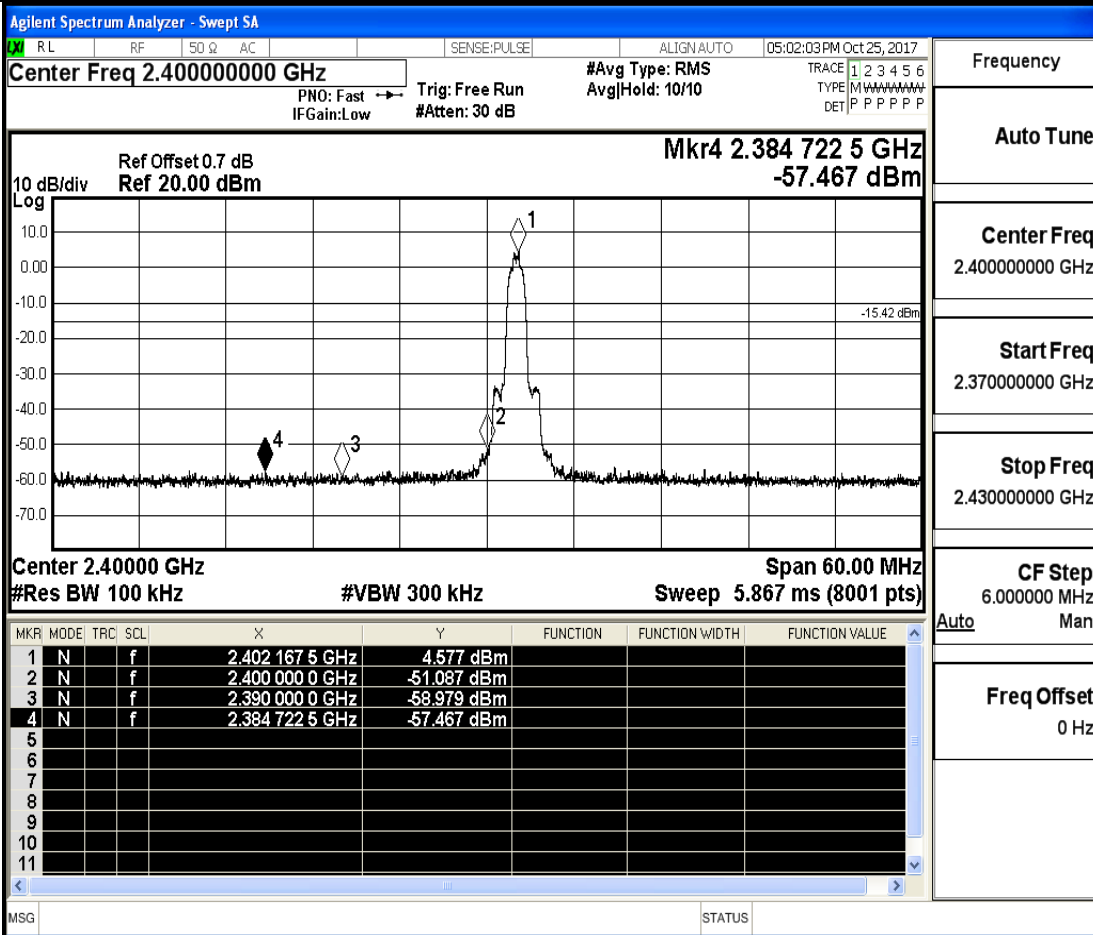


Band-edge for RF Conducted Emissions_2DH5_2402_Hopping On



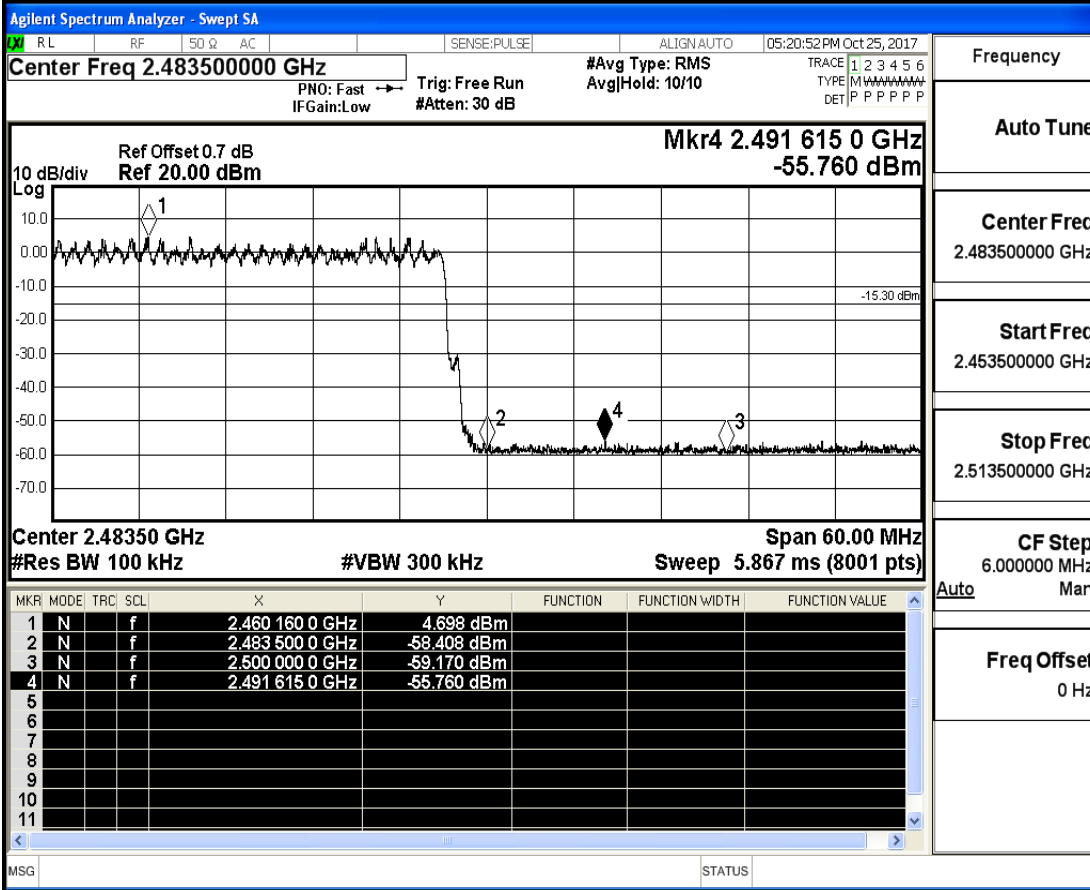
Frequency
Auto Tune
Center Freq 2.40000000 GHz
Start Freq 2.37000000 GHz
Stop Freq 2.43000000 GHz
CF Step 6.000000 MHz Auto Man
Freq Offset 0 Hz

Band-edge for RF Conducted Emissions_2DH5_2402_Hopping Off



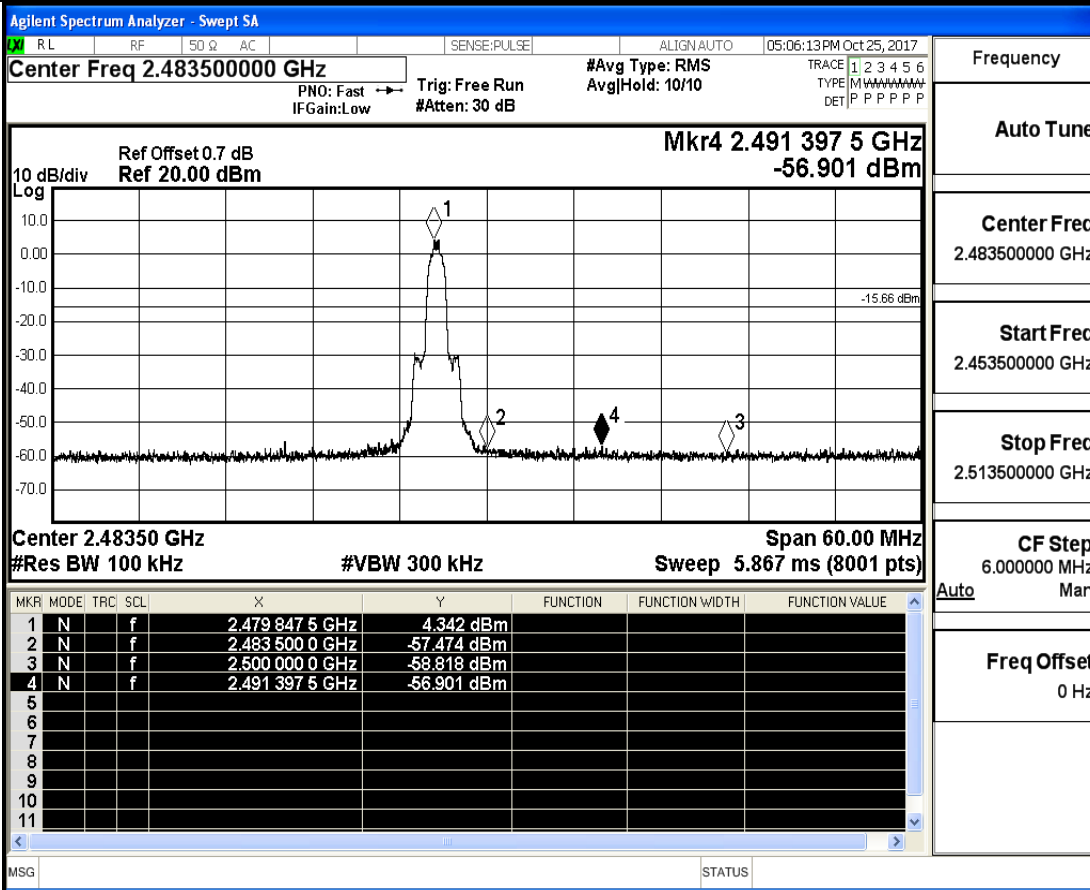
Frequency
Auto Tune
Center Freq 2.40000000 GHz
Start Freq 2.37000000 GHz
Stop Freq 2.43000000 GHz
CF Step 6.000000 MHz Auto Man
Freq Offset 0 Hz

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

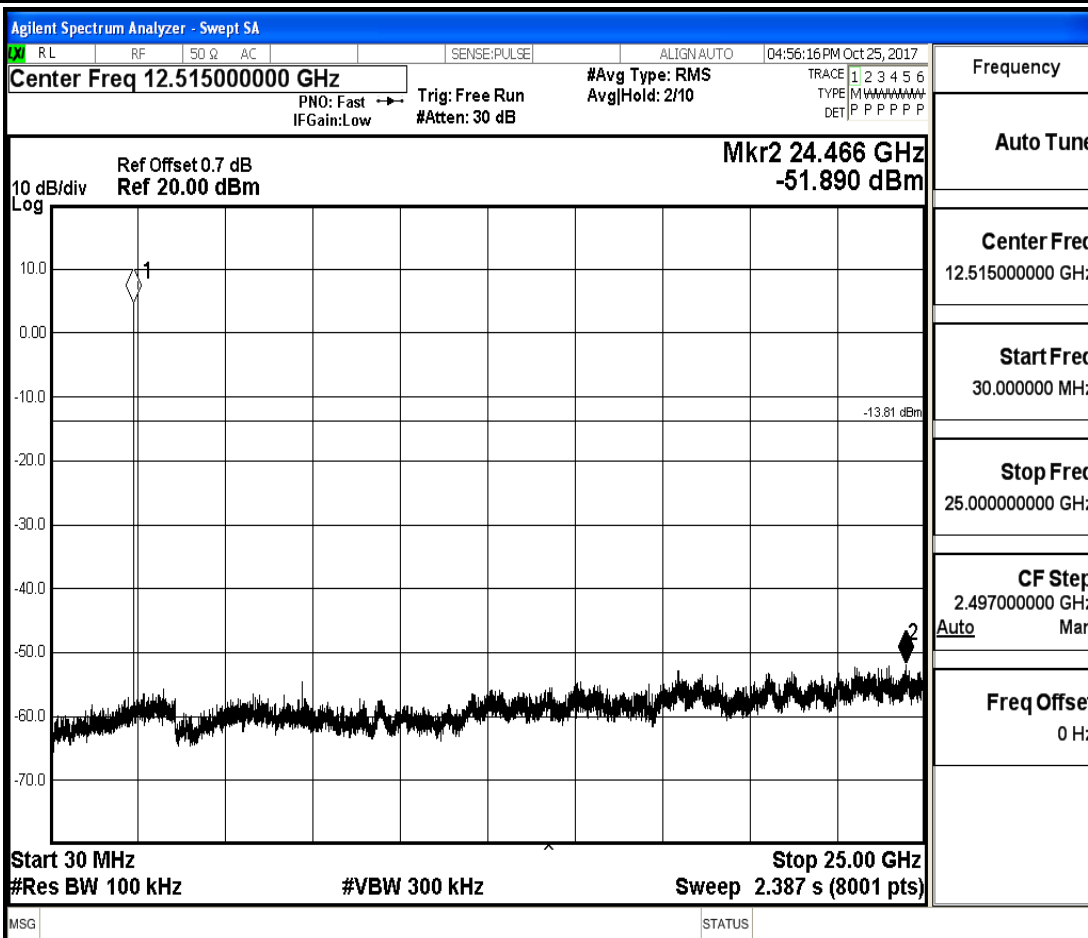
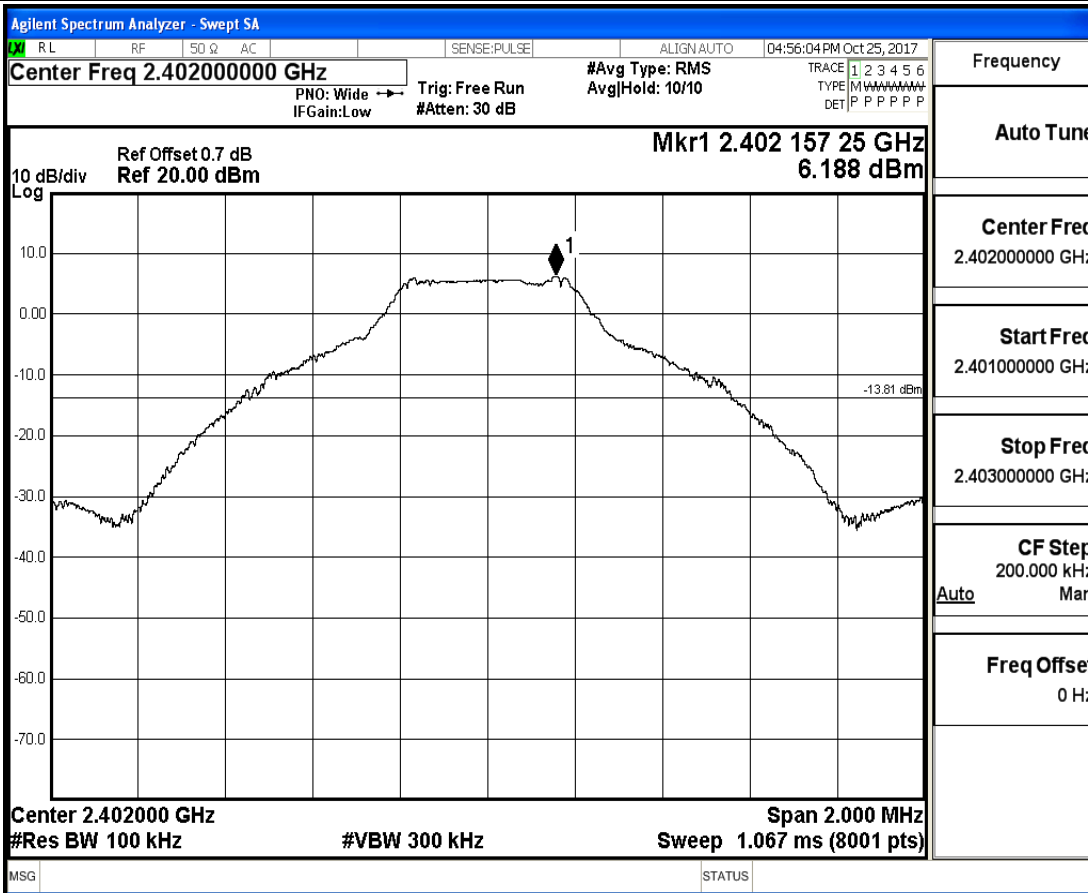


Frequency
Auto Tune
Center Freq 2.483500000 GHz
Start Freq 2.453500000 GHz
Stop Freq 2.513500000 GHz
CF Step 6.000000 MHz Auto Man
Freq Offset 0 Hz

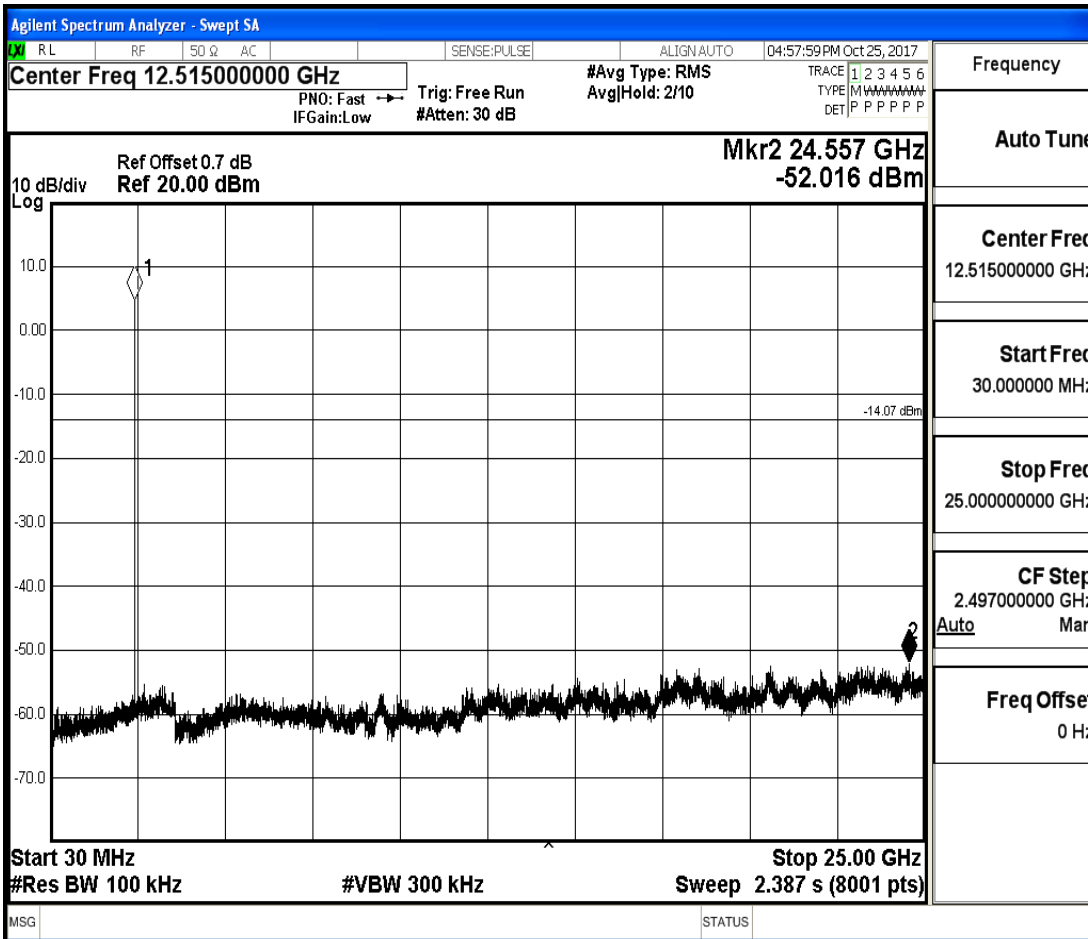
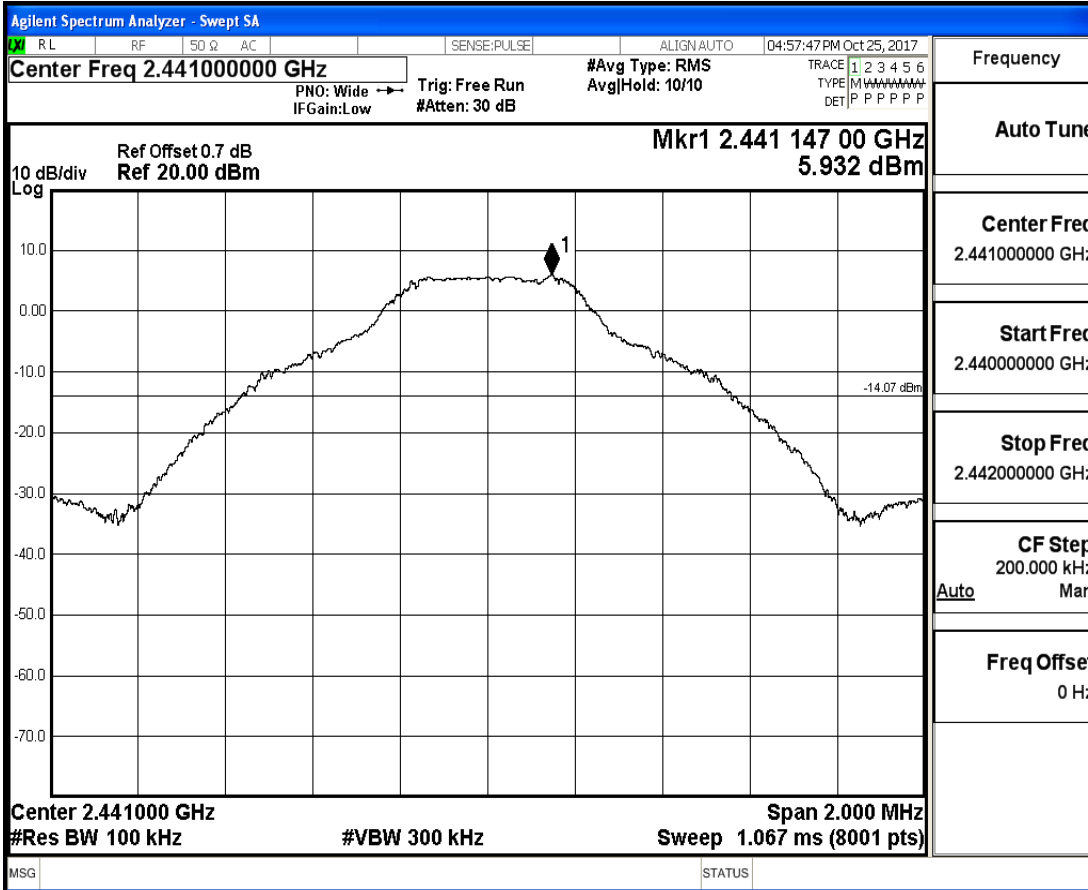
8.RF Conducted Spurious Emissions

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	6.188	-51.890	<- 13.812	PASS
DH5	2441	30	25000	100	300	5.932	-52.016	<- 14.068	PASS
DH5	2480	30	25000	100	300	5.504	-50.898	<- 14.496	PASS
2DH5	2402	30	25000	100	300	4.696	-51.644	<- 15.304	PASS
2DH5	2441	30	25000	100	300	4.685	-50.852	<- 15.315	PASS
2DH5	2480	30	25000	100	300	4.204	-52.005	<- 15.796	PASS

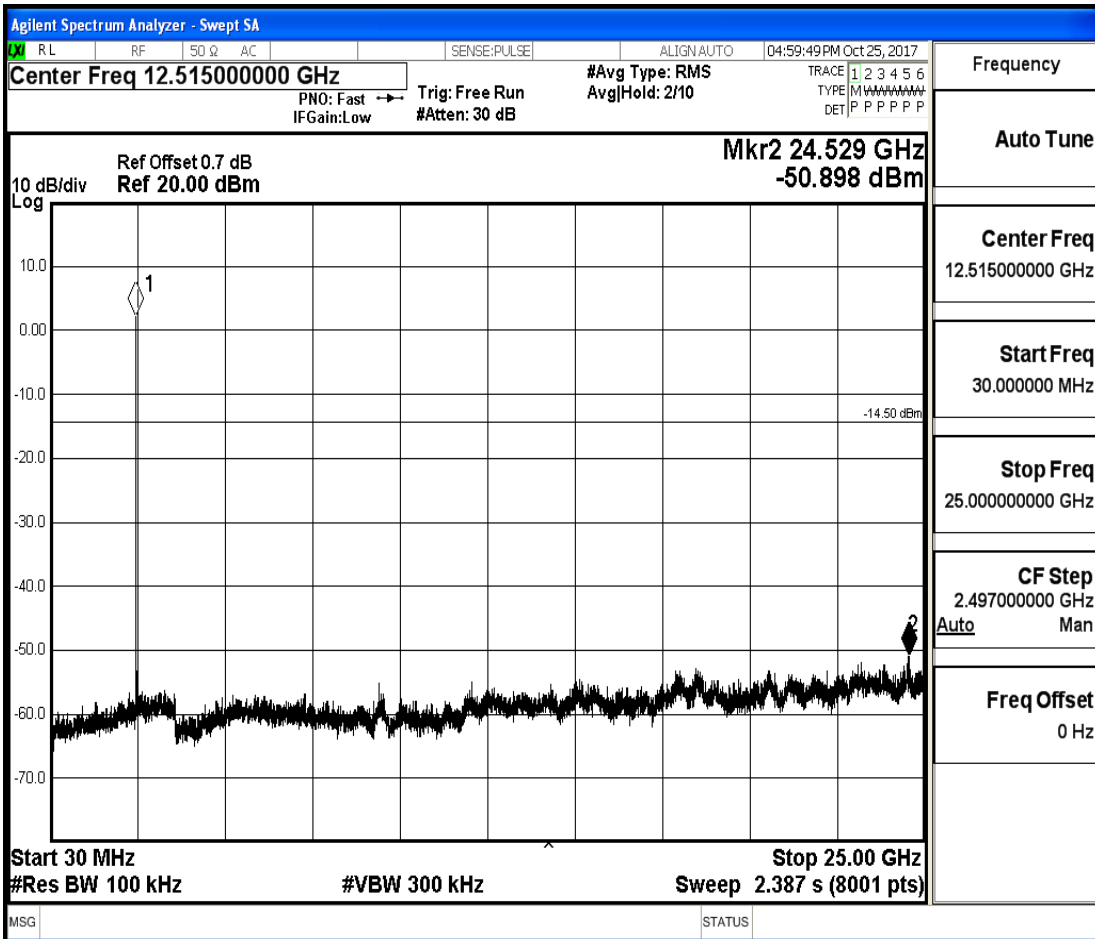
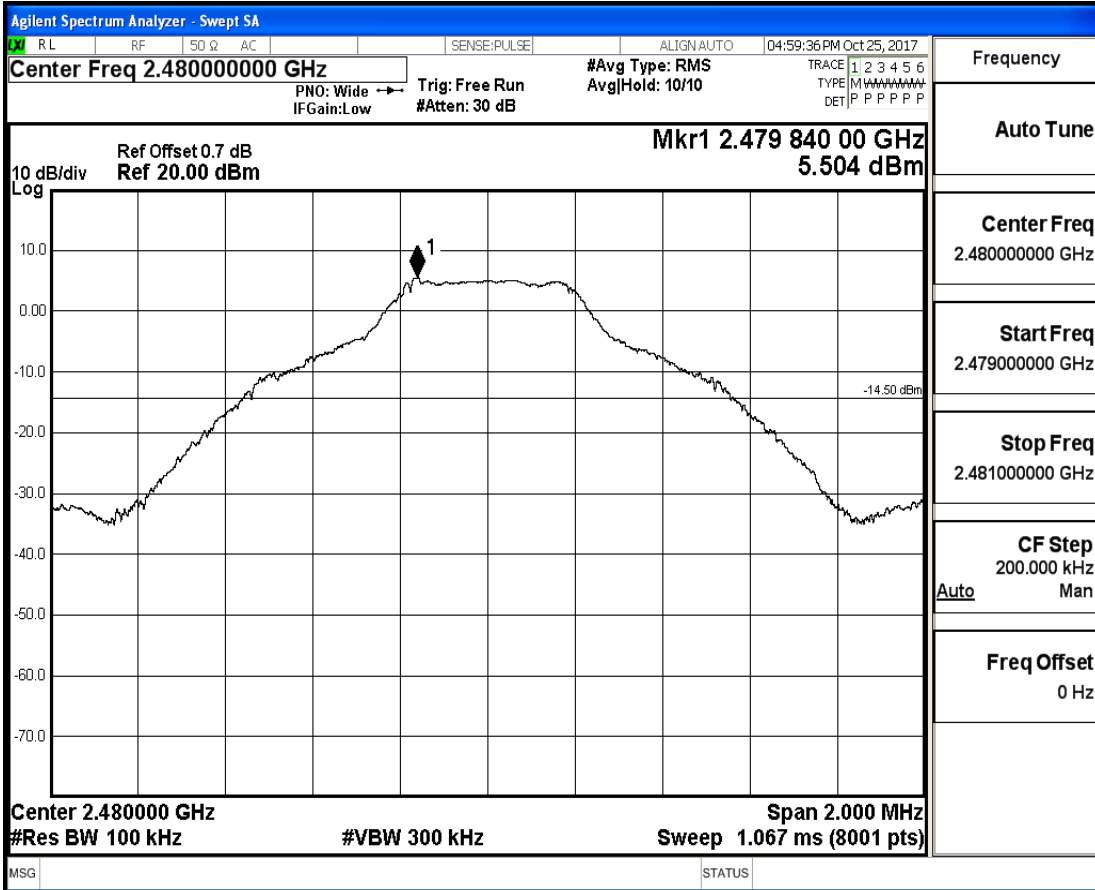
RF Conducted Spurious Emissions_DH5_2402



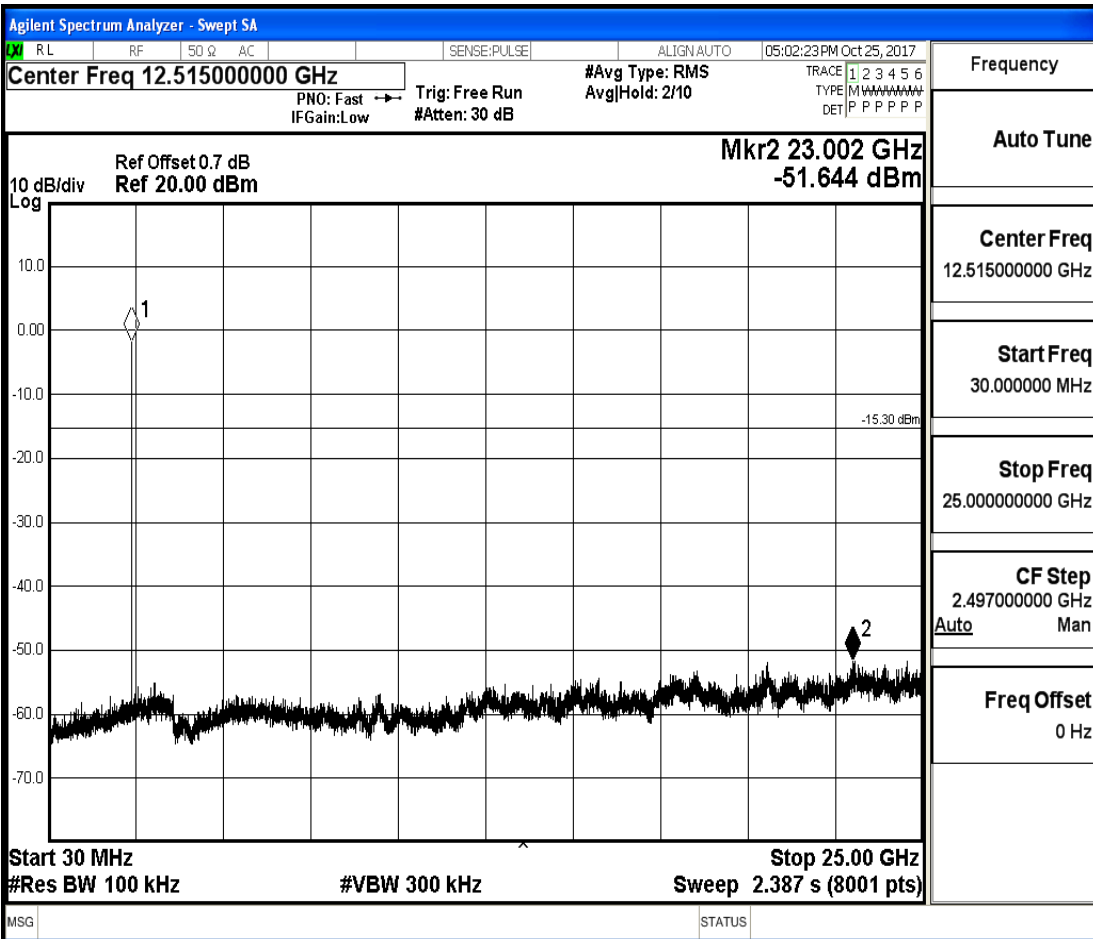
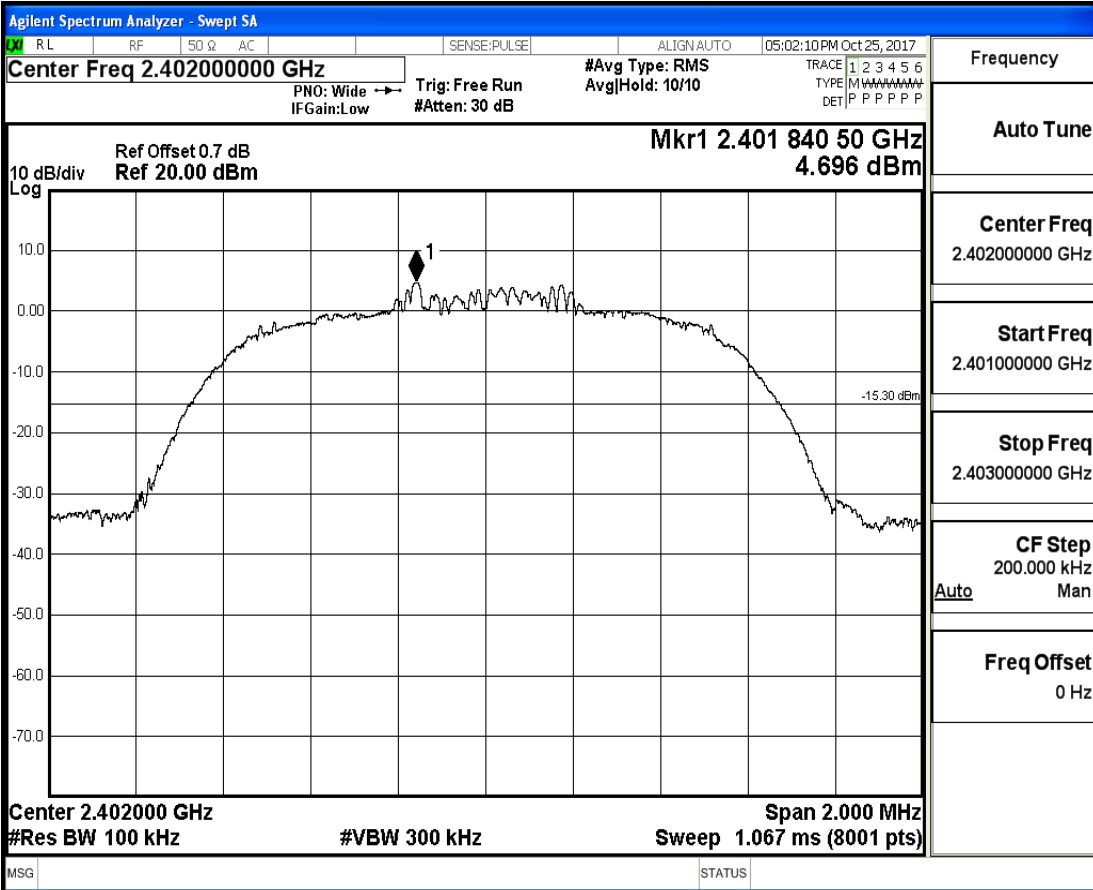
RF Conducted Spurious Emissions_DH5_2441



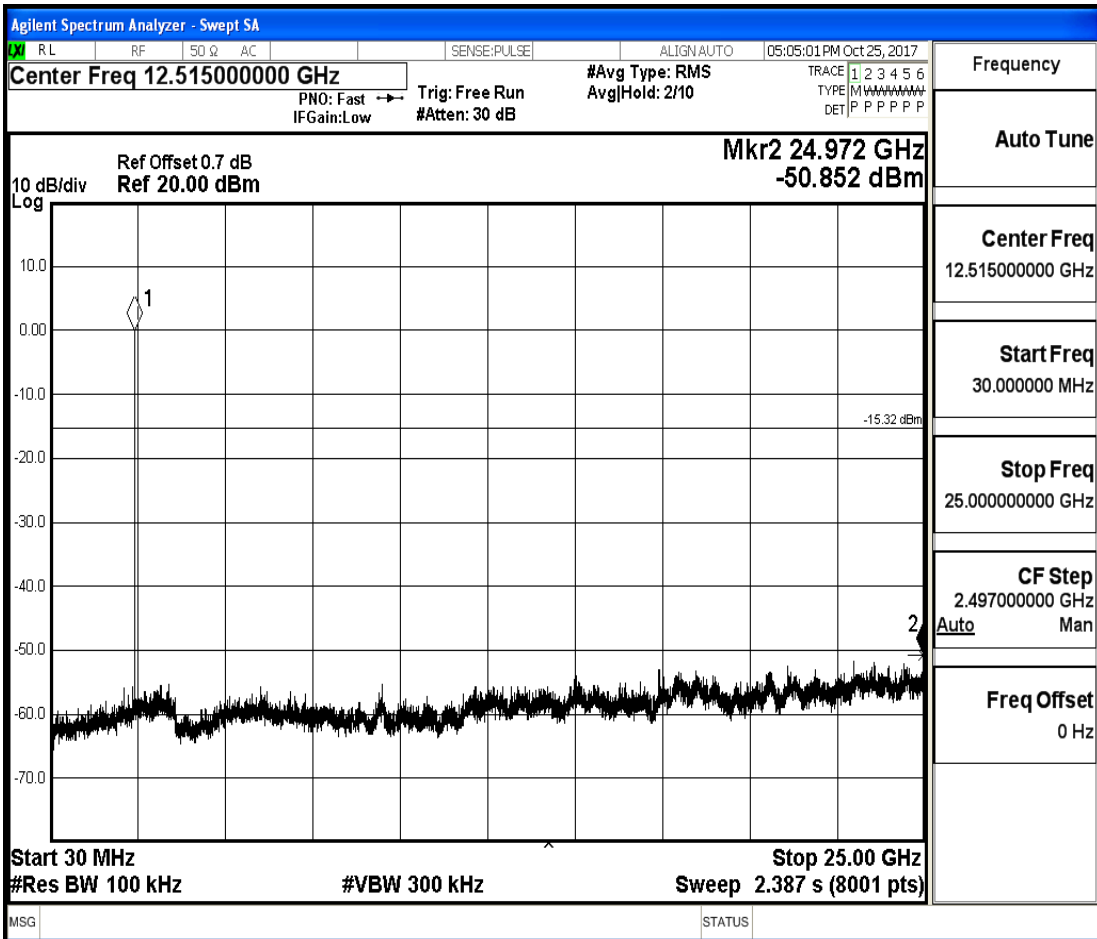
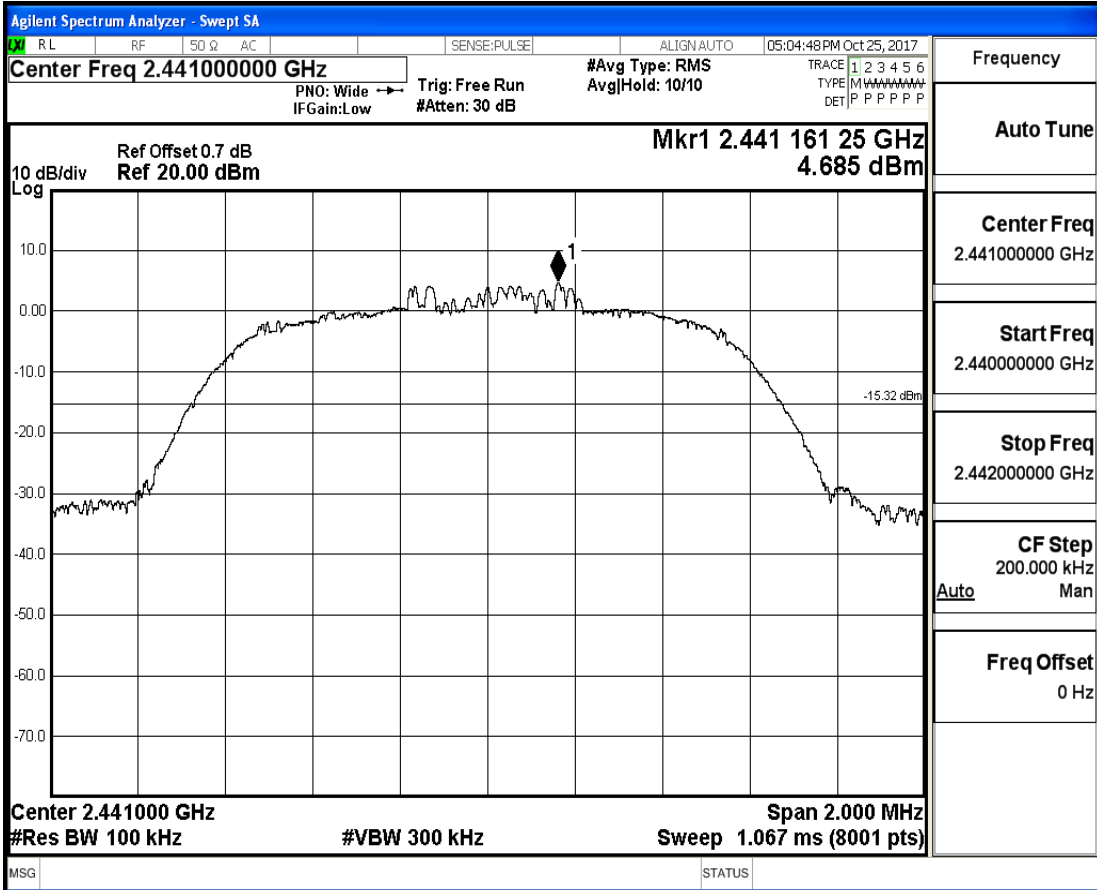
RF Conducted Spurious Emissions_DH5_2480



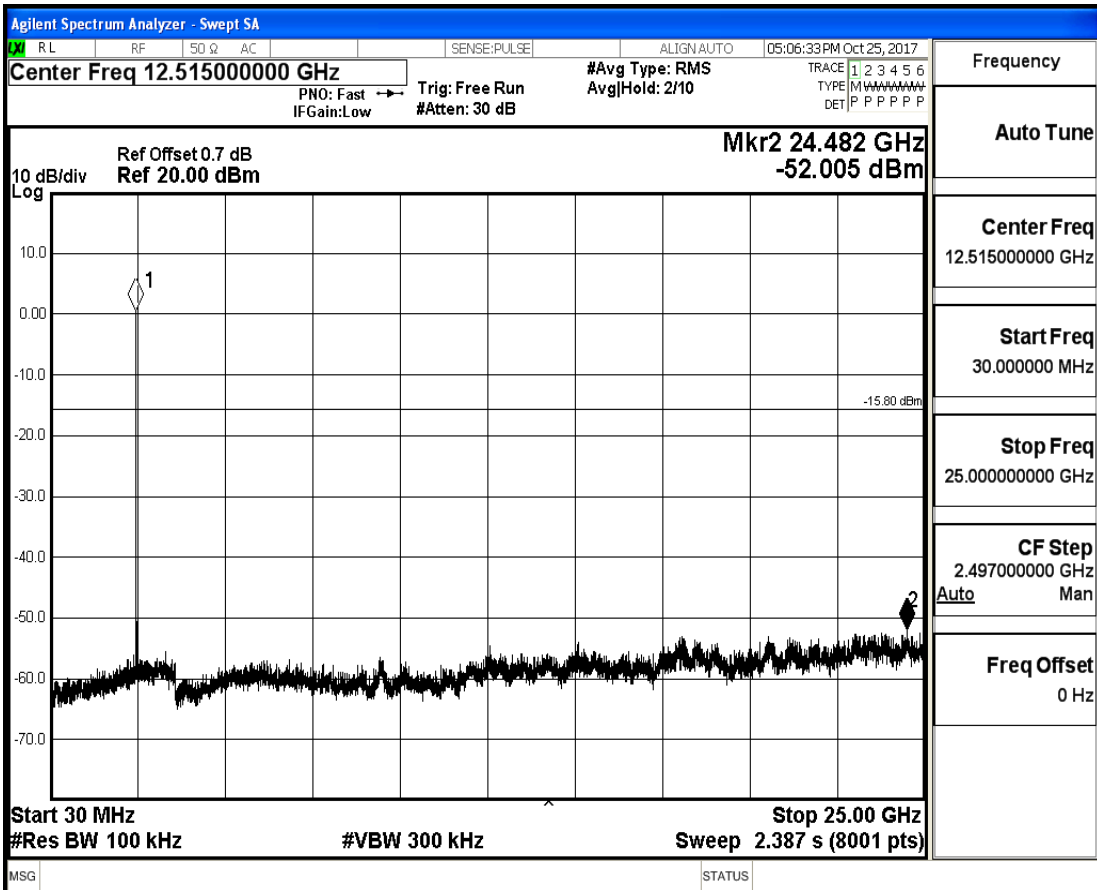
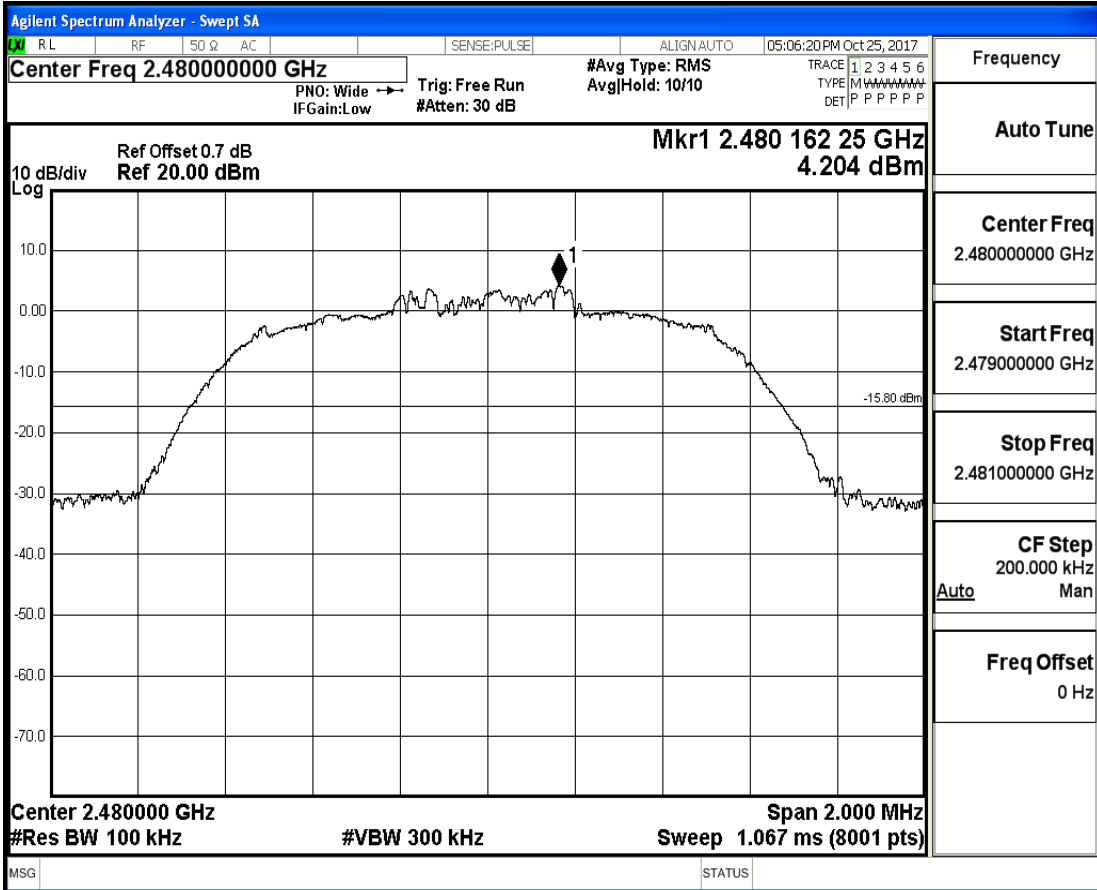
RF Conducted Spurious Emissions_2DH5_2402



RF Conducted Spurious Emissions_2DH5_2441



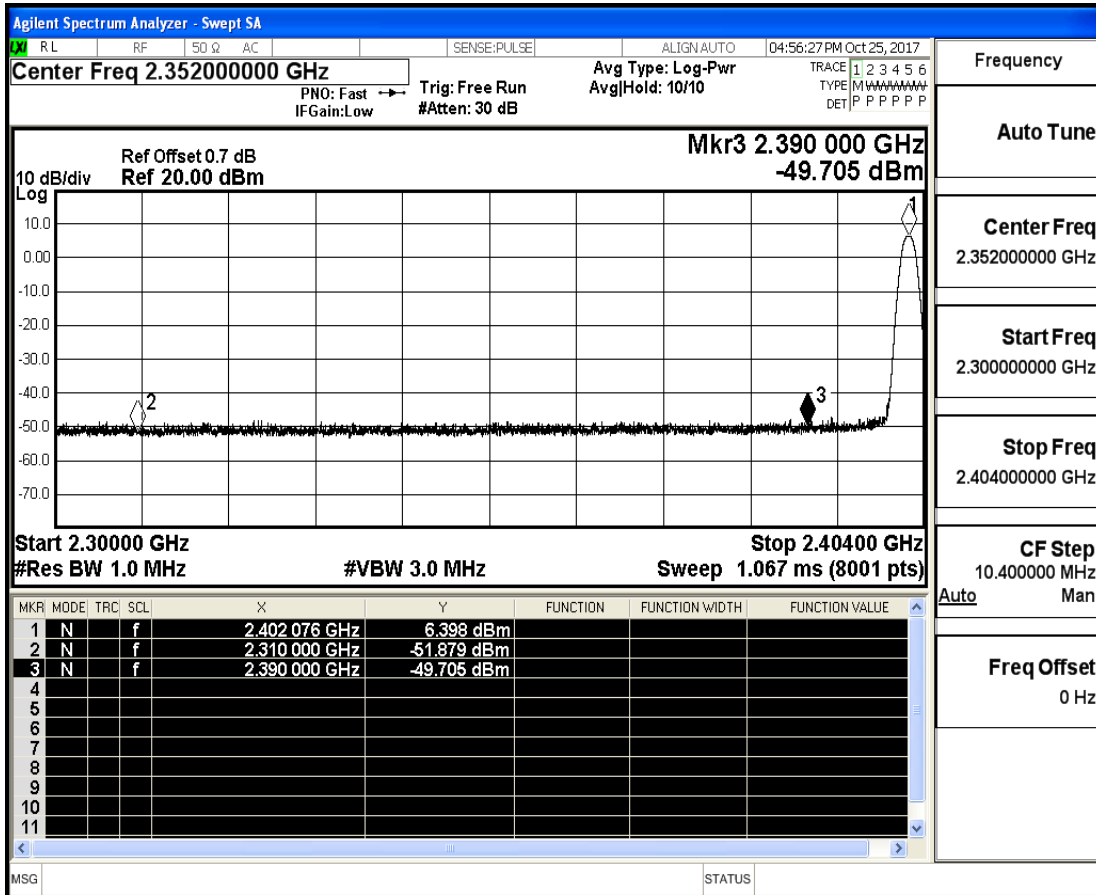
RF Conducted Spurious Emissions_2DH5_2480



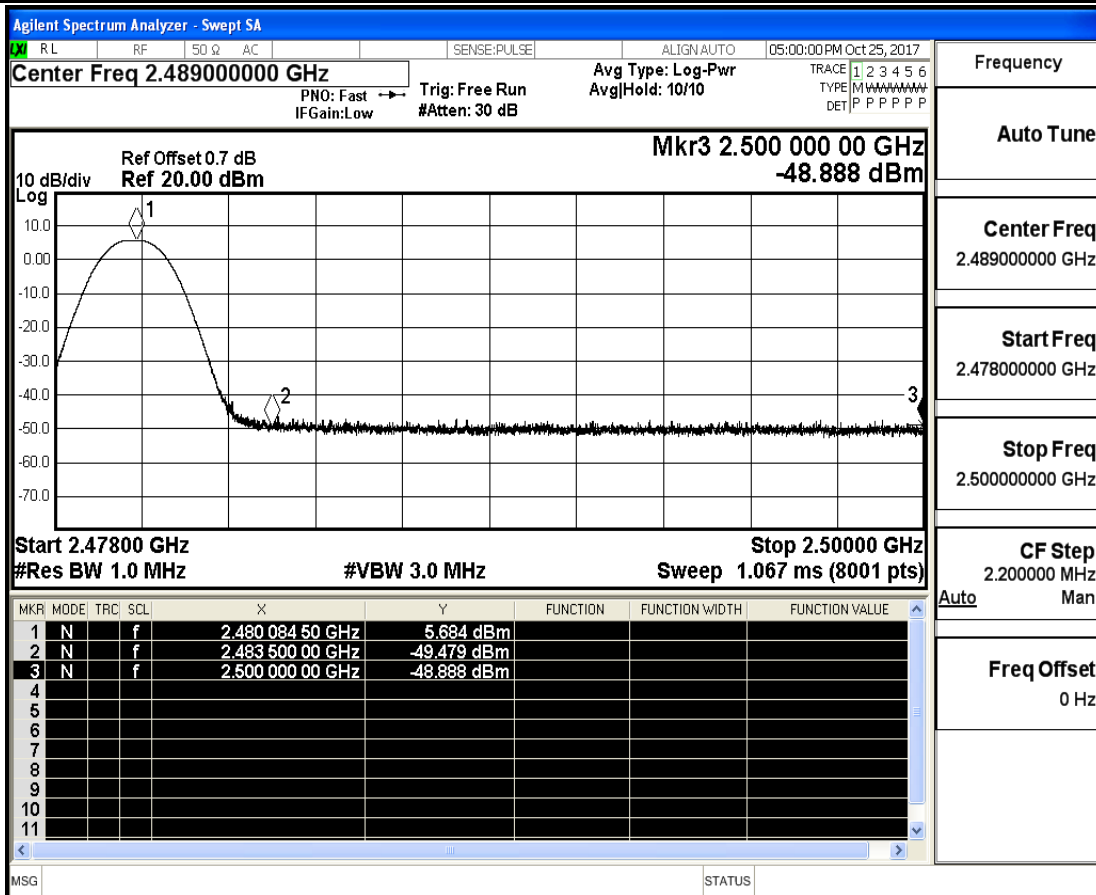
9.Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
DH5	On	2310.0	-51.88	2.000	0	45.380	PEAK	54	PASS
DH5	On	2390.0	-49.71	2.000	0	47.550	PEAK	54	PASS
DH5	On	2483.5	-49.48	2.000	0	47.780	PEAK	54	PASS
DH5	On	2500.0	-48.89	2.000	0	48.370	PEAK	54	PASS
2DH5	On	2310.0	-51.10	2.000	0	46.160	PEAK	54	PASS
2DH5	On	2390.0	-50.57	2.000	0	46.690	PEAK	54	PASS
2DH5	On	2483.5	-48.39	2.000	0	48.870	PEAK	54	PASS
2DH5	On	2500.0	-49.23	2.000	0	48.030	PEAK	54	PASS

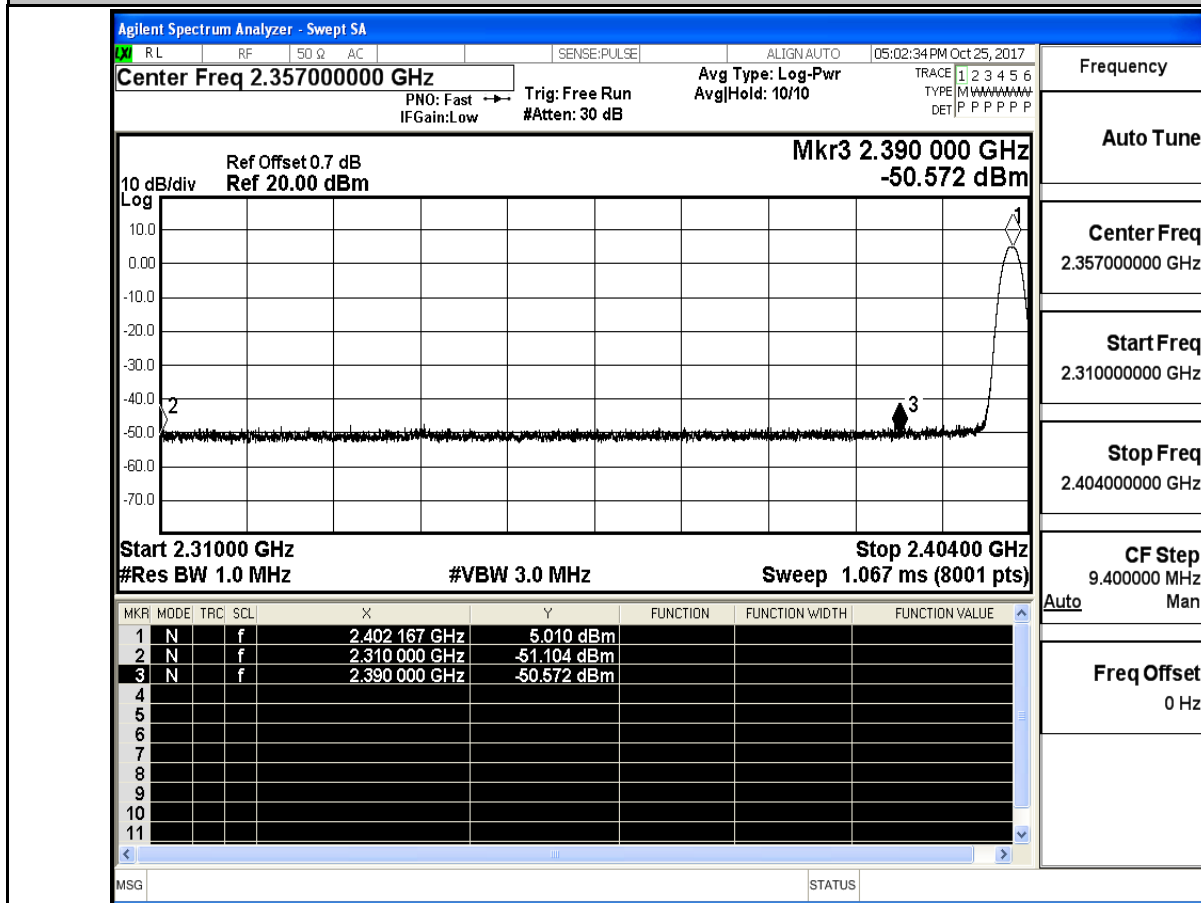
Restrict-band band-edge measurements_PEAK_DH5_2402



Restrict-band band-edge measurements_PEAK_DH5_2480



Restrict-band band-edge measurements_PEAK_2DH5_2402



Restrict-band band-edge measurements_PEAK_DH5_2402

