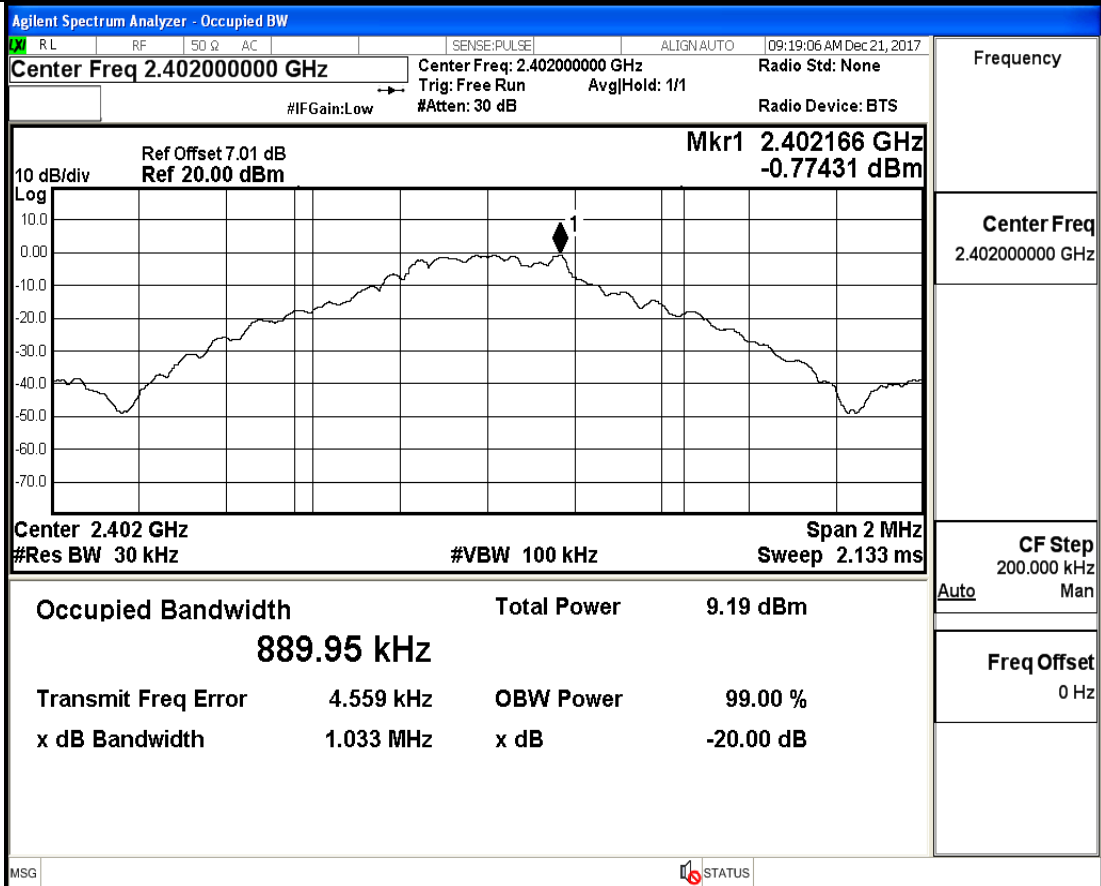


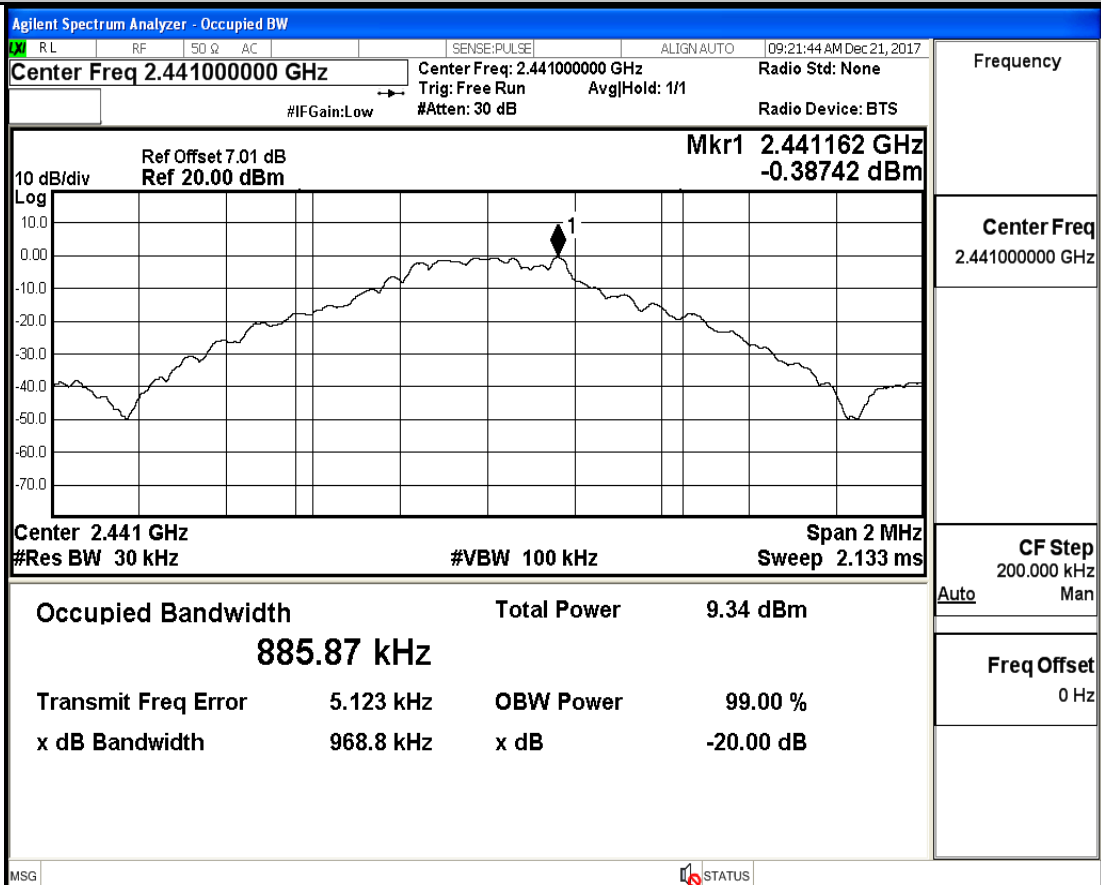
1.20 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
DH5	2402	1.033	---	PASS
DH5	2441	0.9688	---	PASS
DH5	2480	1.027	---	PASS
2DH5	2402	1.291	---	PASS
2DH5	2441	1.287	---	PASS
2DH5	2480	1.287	---	PASS
3DH5	2402	1.291	---	PASS
3DH5	2441	1.303	---	PASS
3DH5	2480	1.287	---	PASS

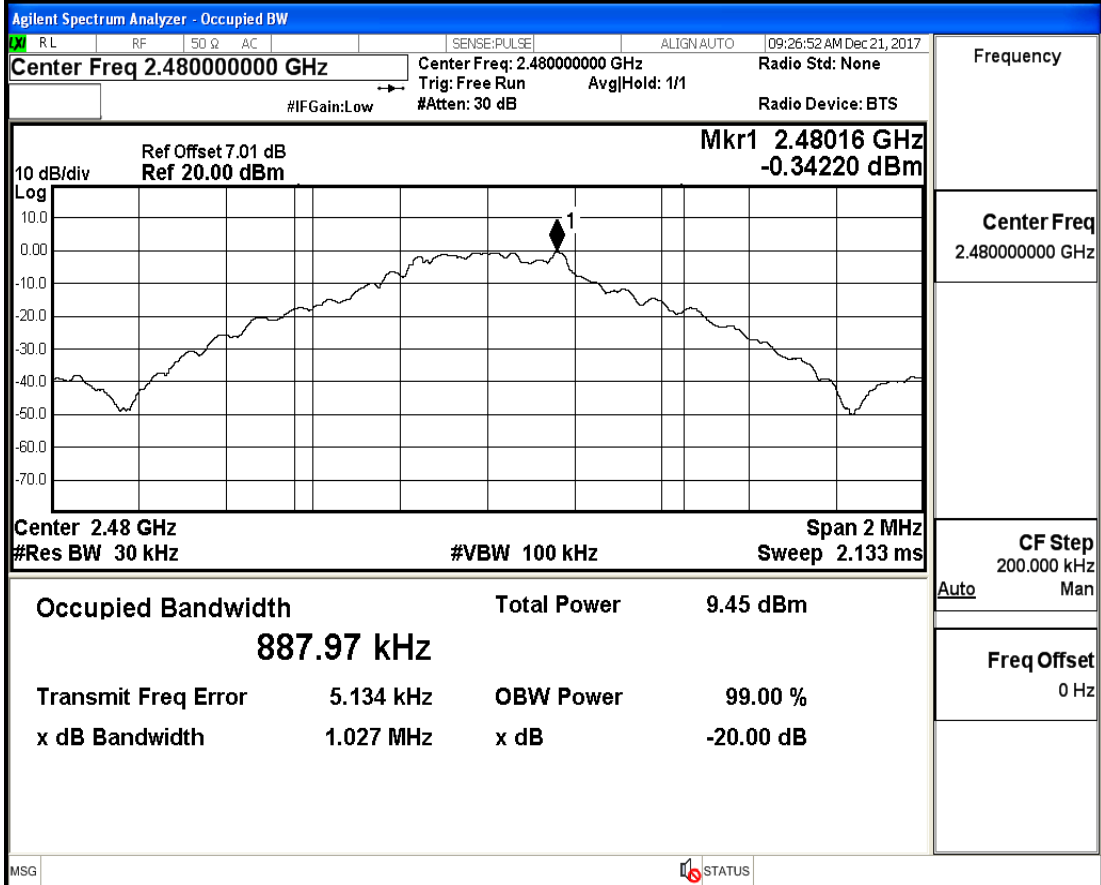
20 dB Bandwidth_DH5_2402



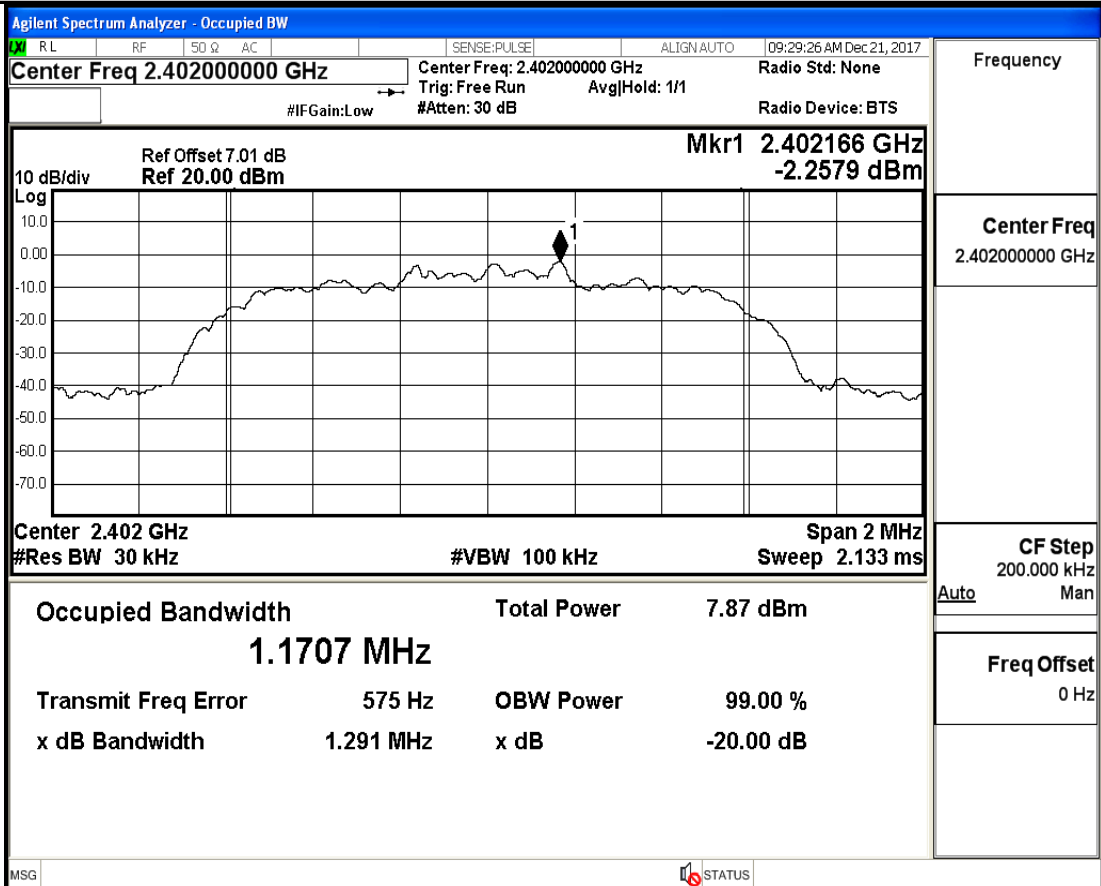
20 dB Bandwidth_DH5_2441



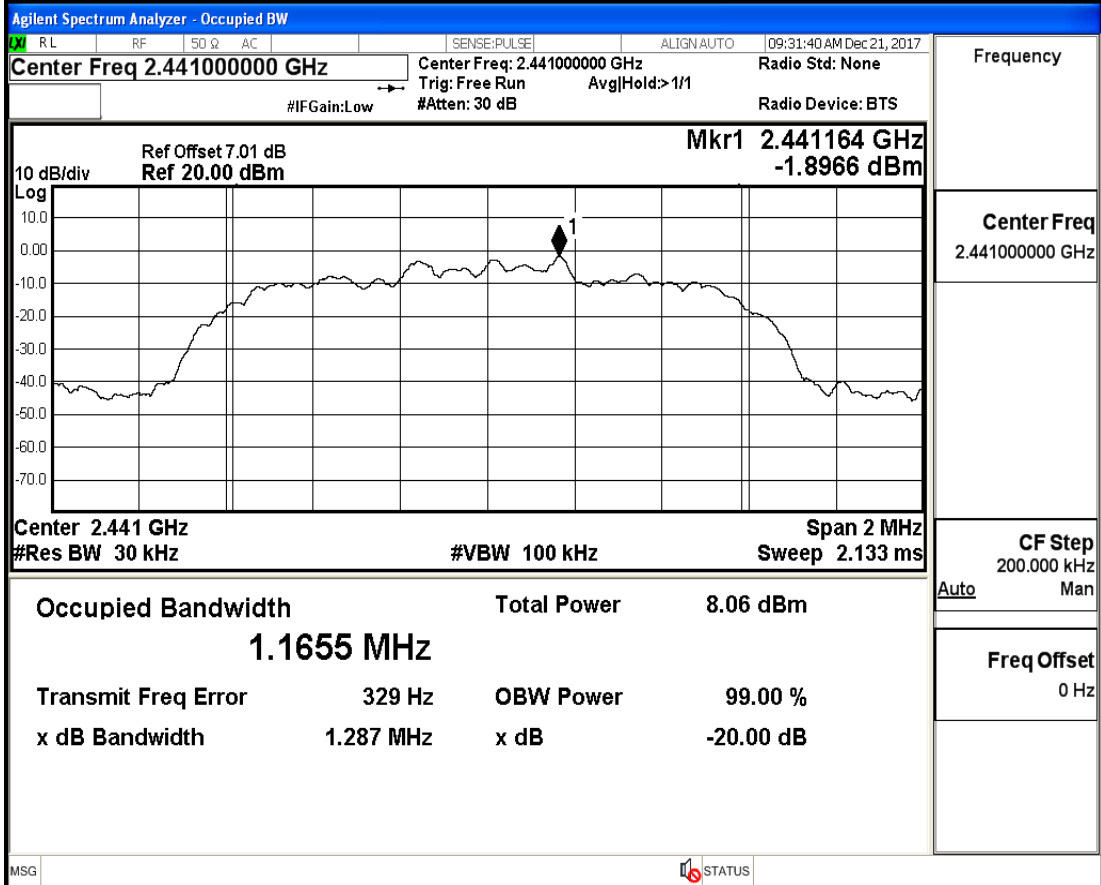
20 dB Bandwidth_DH5_2480



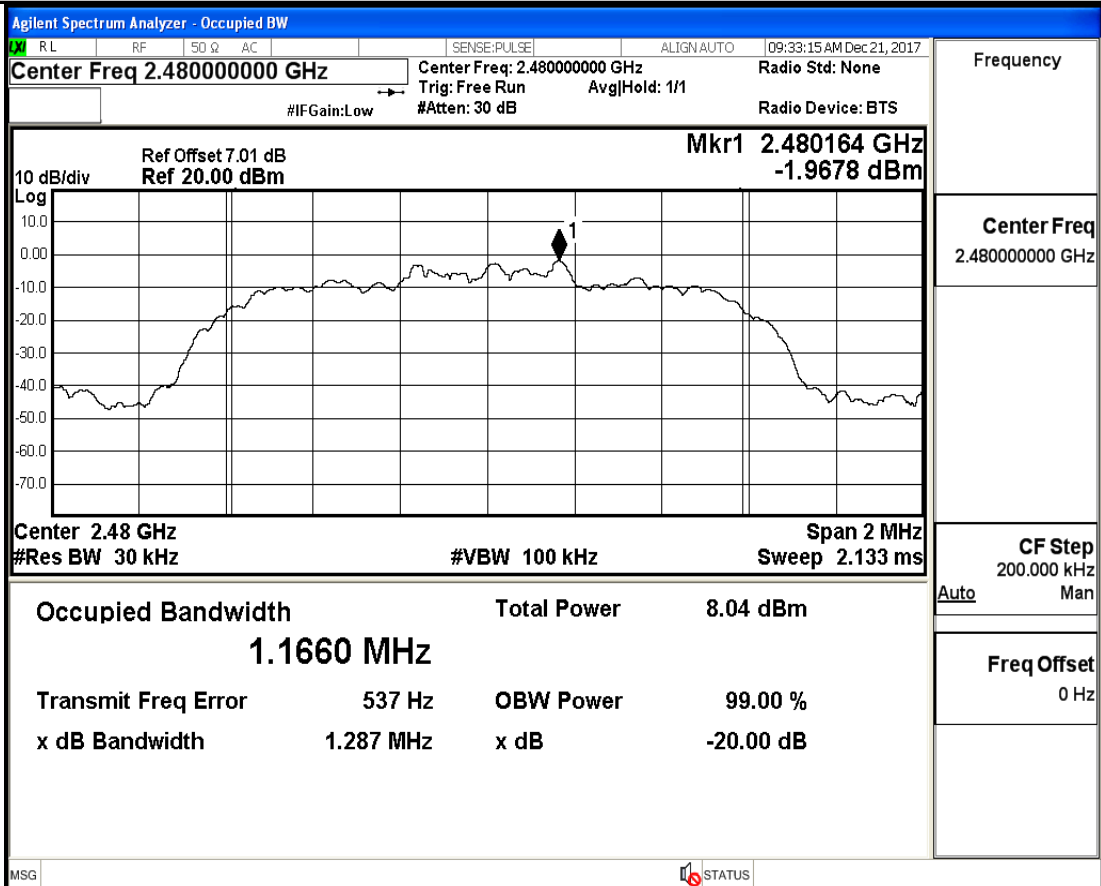
20 dB Bandwidth_2DH5_2402



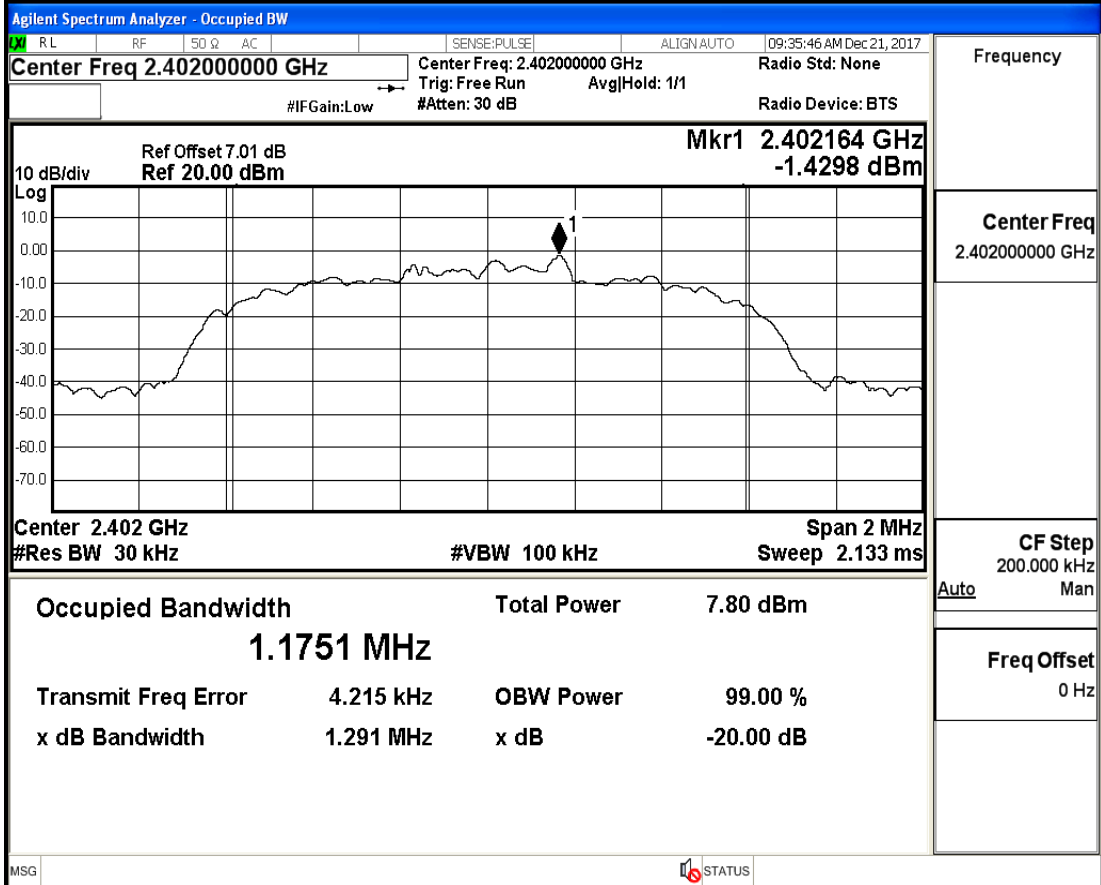
20 dB Bandwidth_2DH5_2441



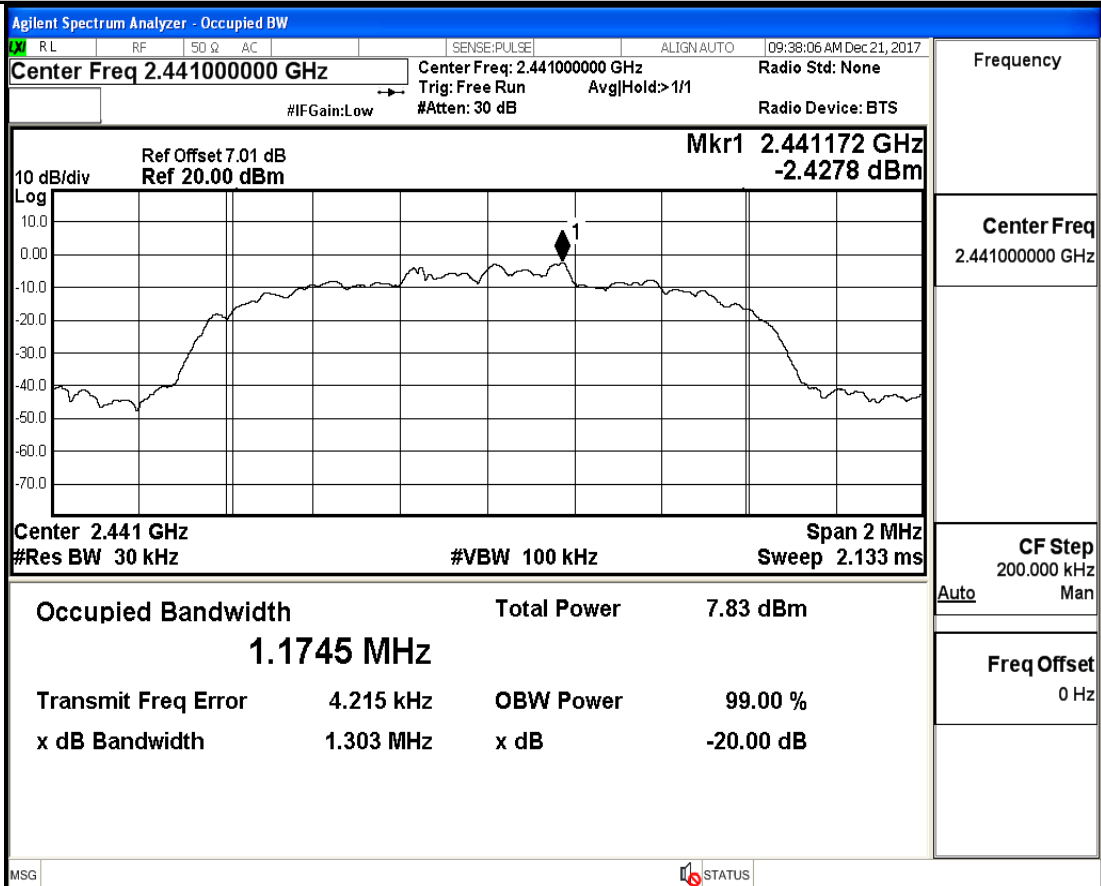
20 dB Bandwidth_2DH5_2480



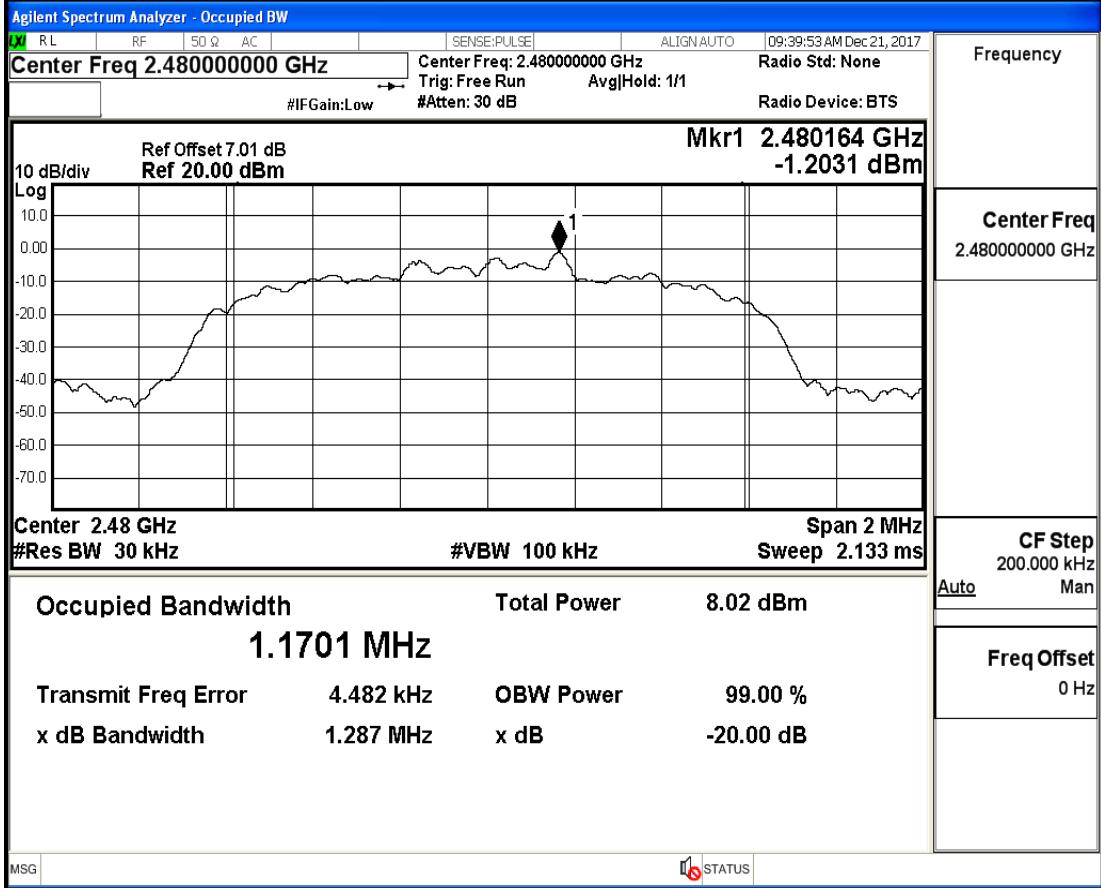
20 dB Bandwidth_3DH5_2402



20 dB Bandwidth_3DH5_2441



20 dB Bandwidth_3DH5_2480



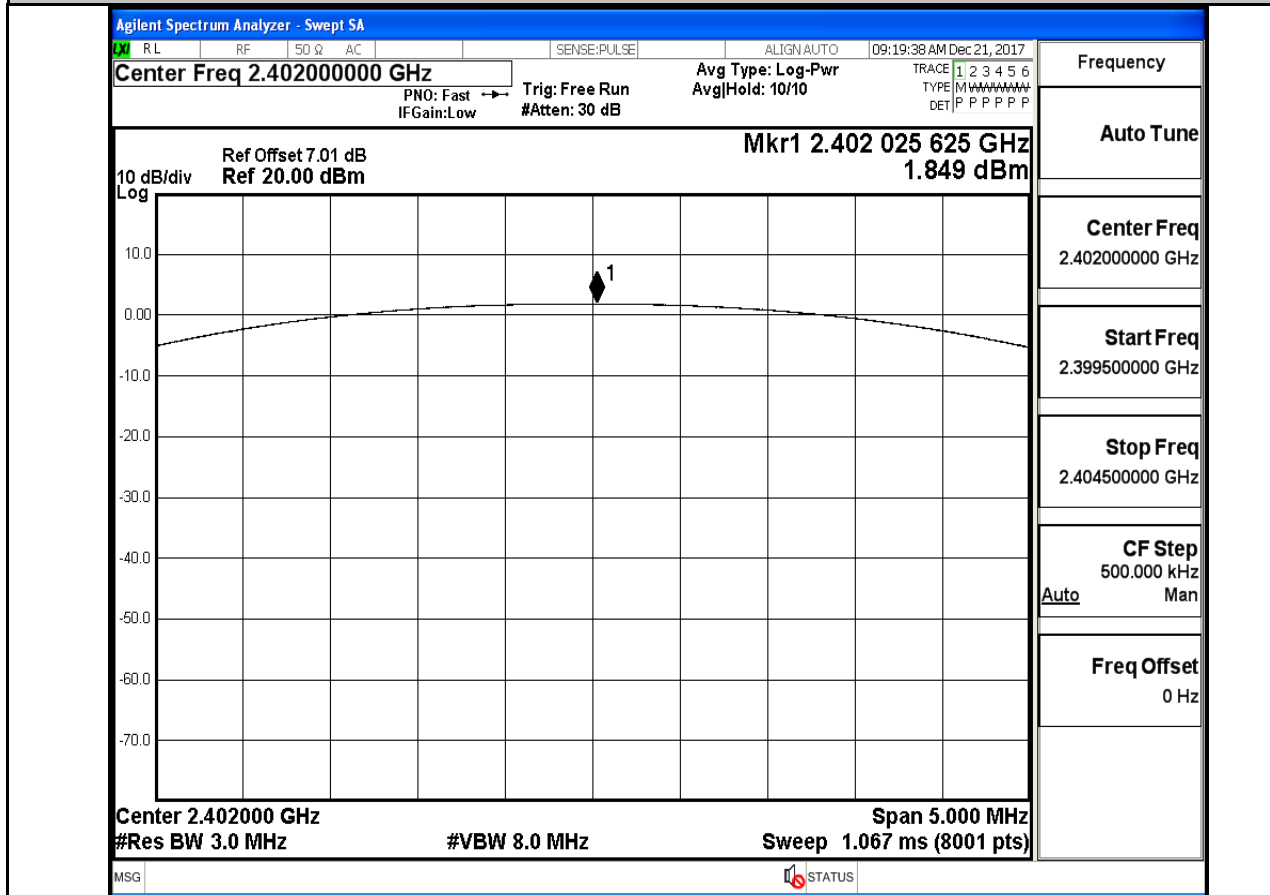
2.Occupied Bandwidth

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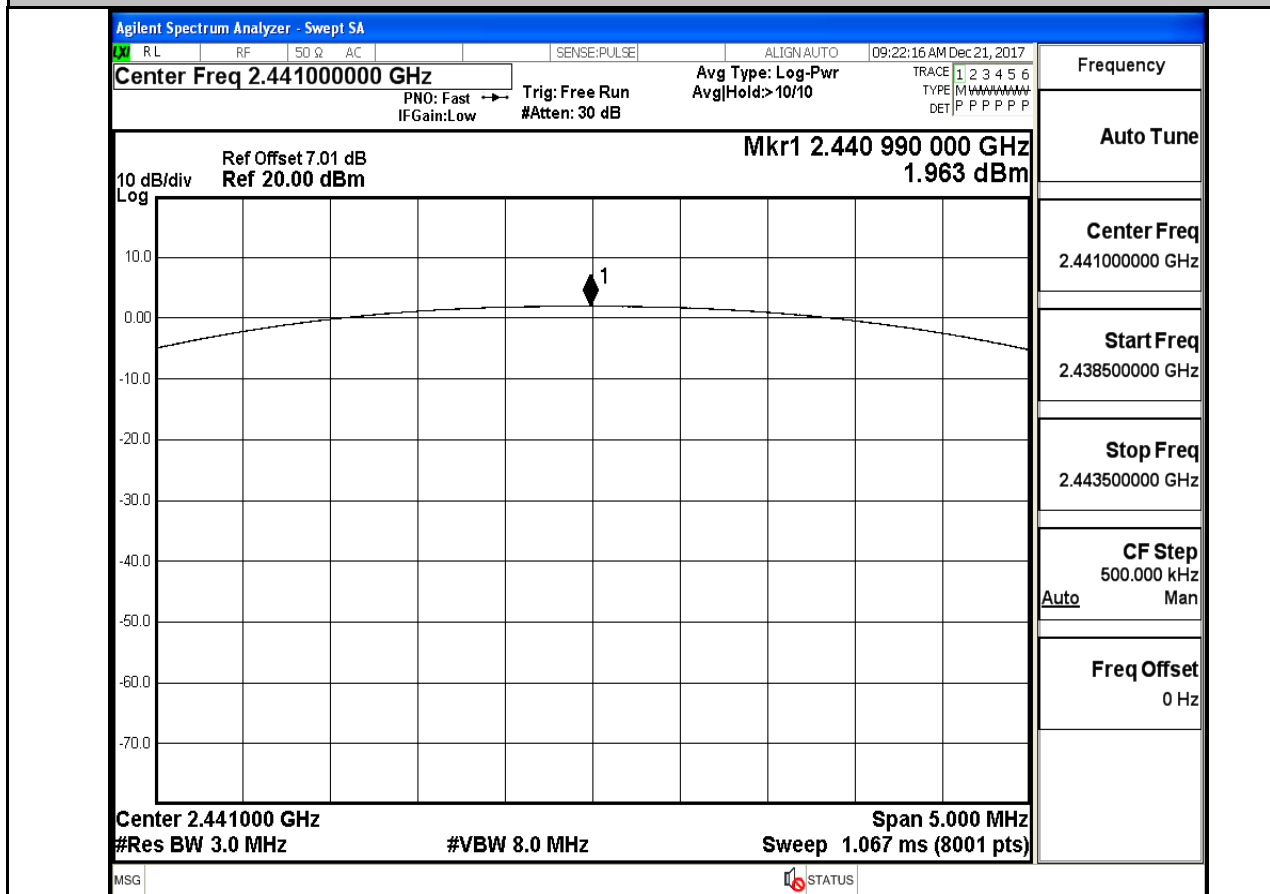
3.Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
DH5	2402	1.849	30	PASS
DH5	2441	1.963	30	PASS
DH5	2480	2.08	30	PASS
2DH5	2402	1.646	30	PASS
2DH5	2441	1.777	30	PASS
2DH5	2480	1.879	30	PASS
3DH5	2402	1.777	30	PASS
3DH5	2441	1.961	30	PASS
3DH5	2480	2.069	30	PASS

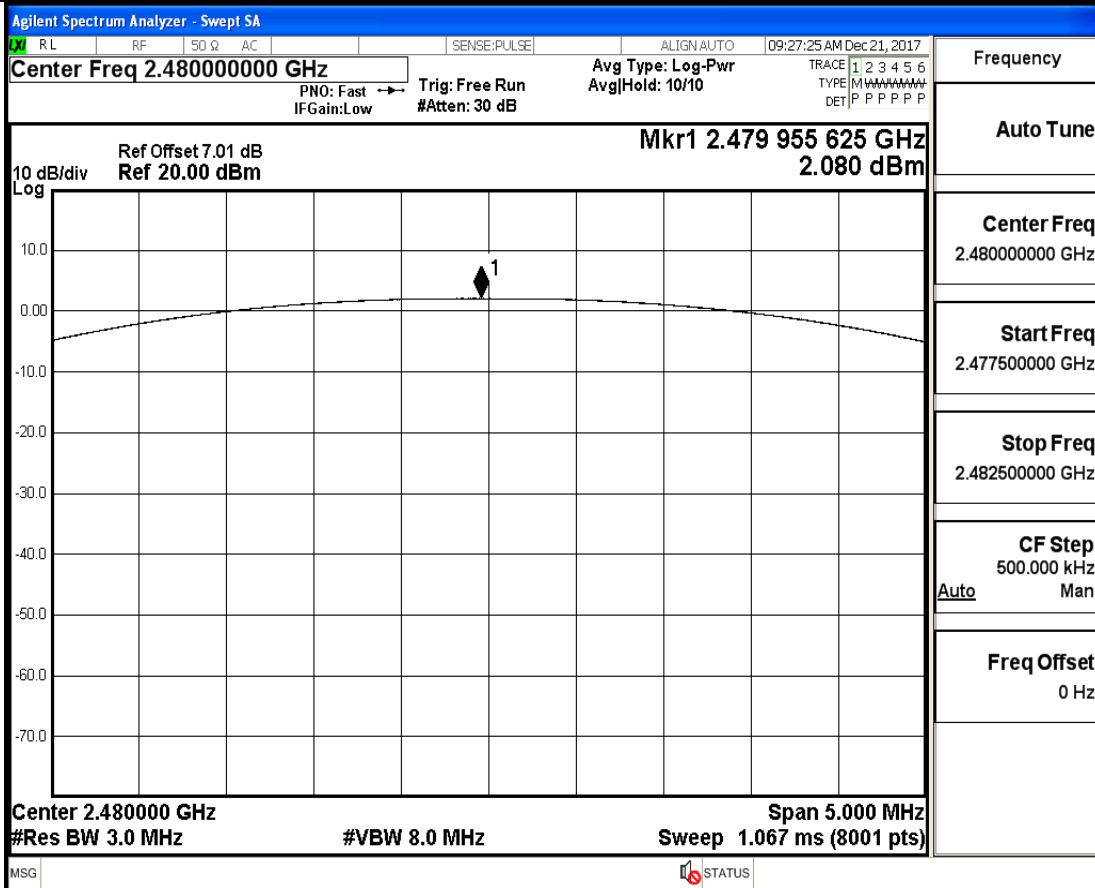
Conducted Peak Output Power_DH5_2402



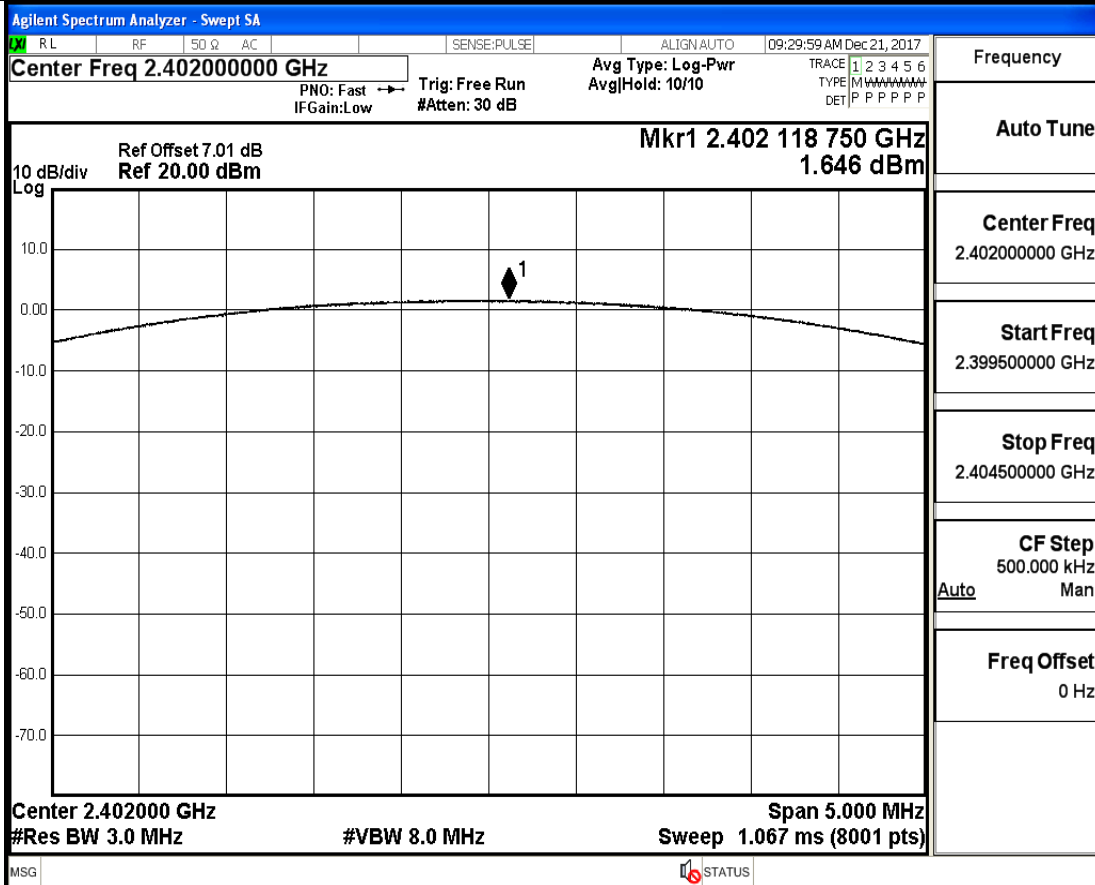
Conducted Peak Output Power_DH5_2441



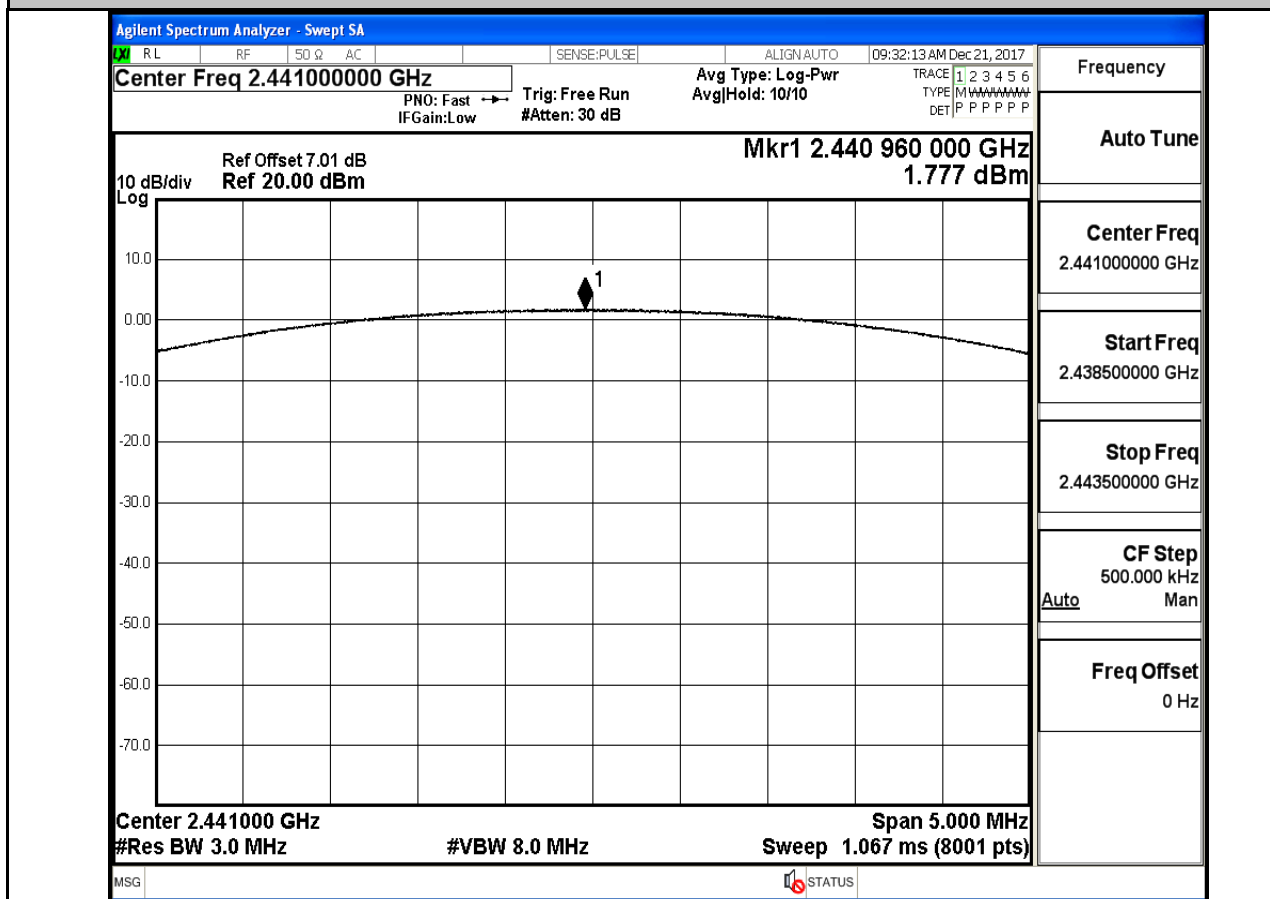
Conducted Peak Output Power_DH5_2480



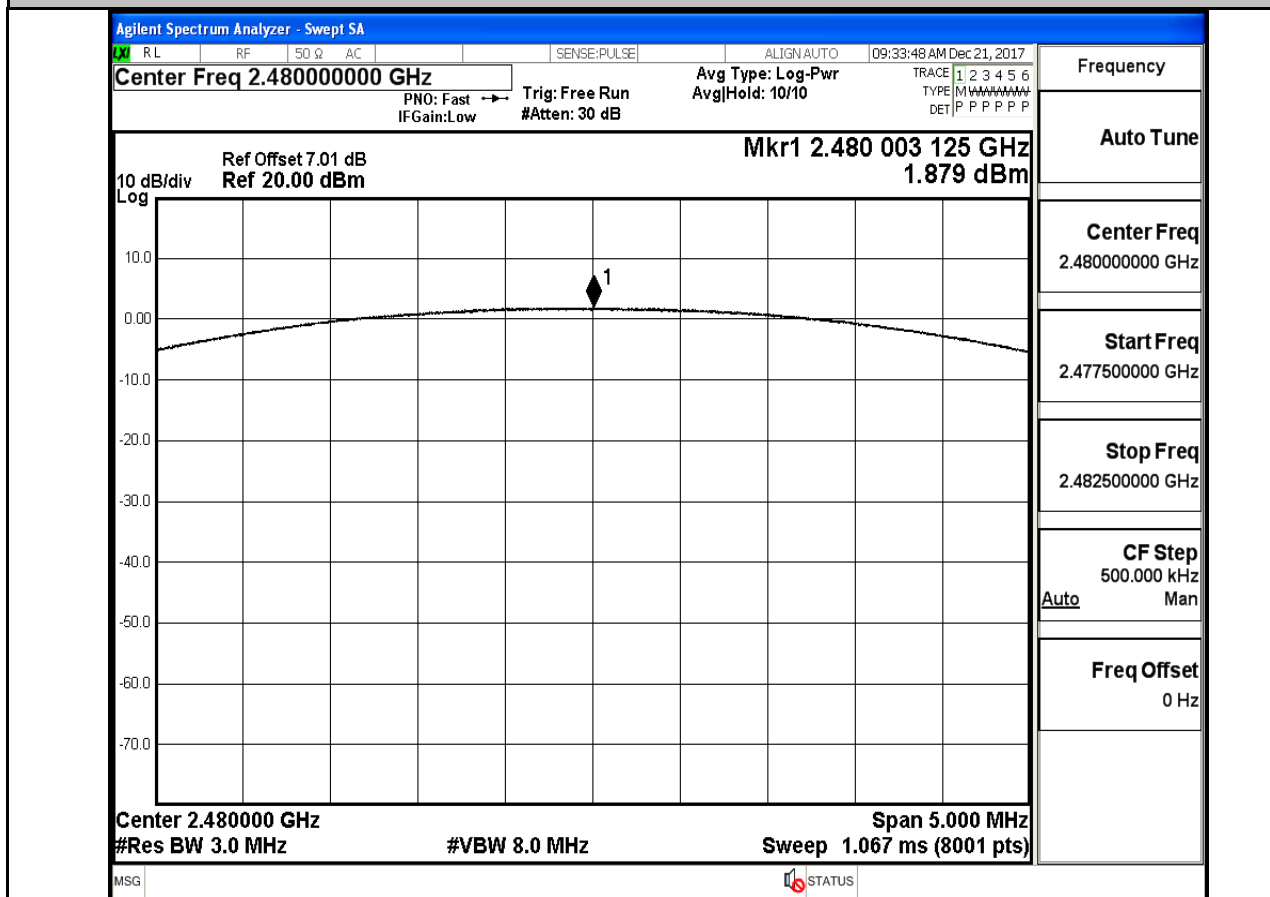
Conducted Peak Output Power_2DH5_2402



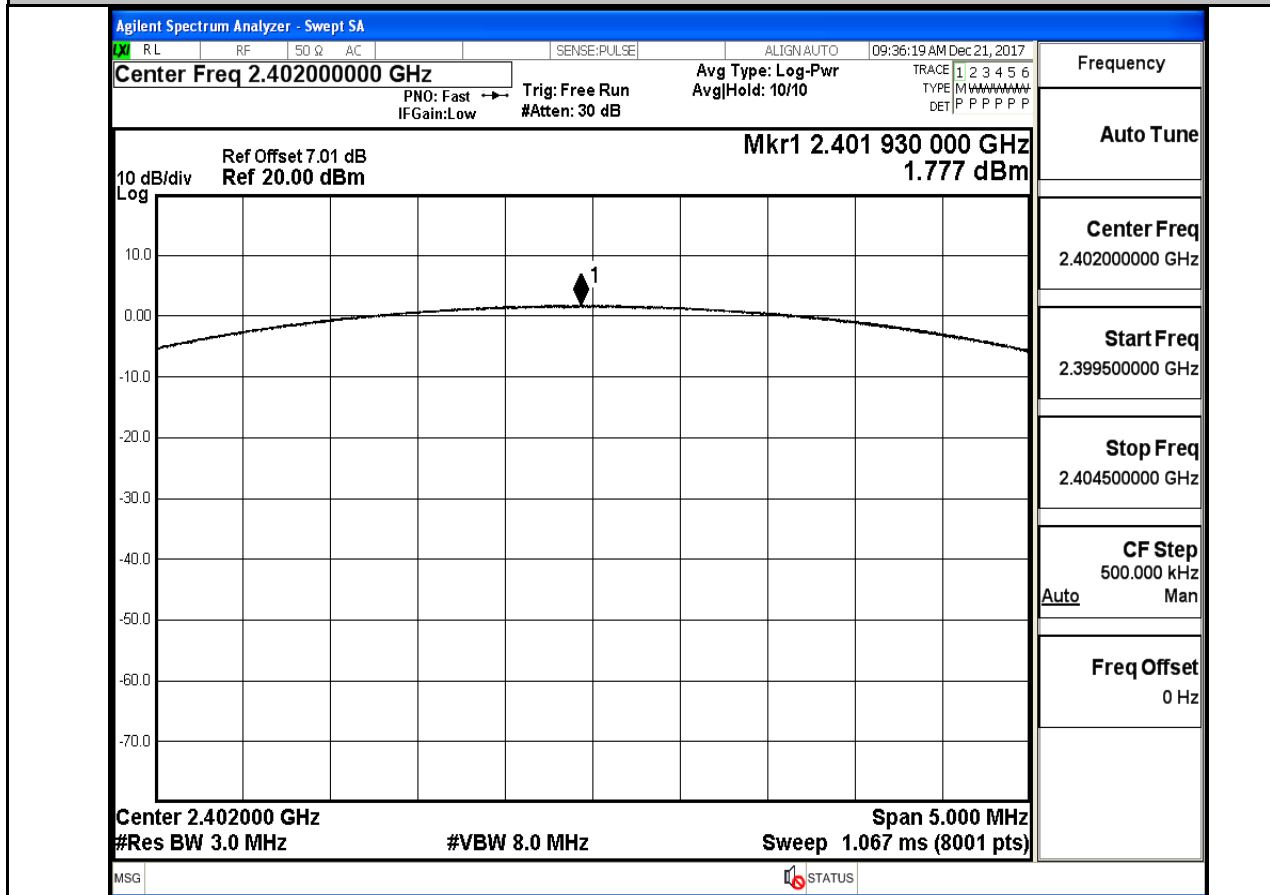
Conducted Peak Output Power_2DH5_2441



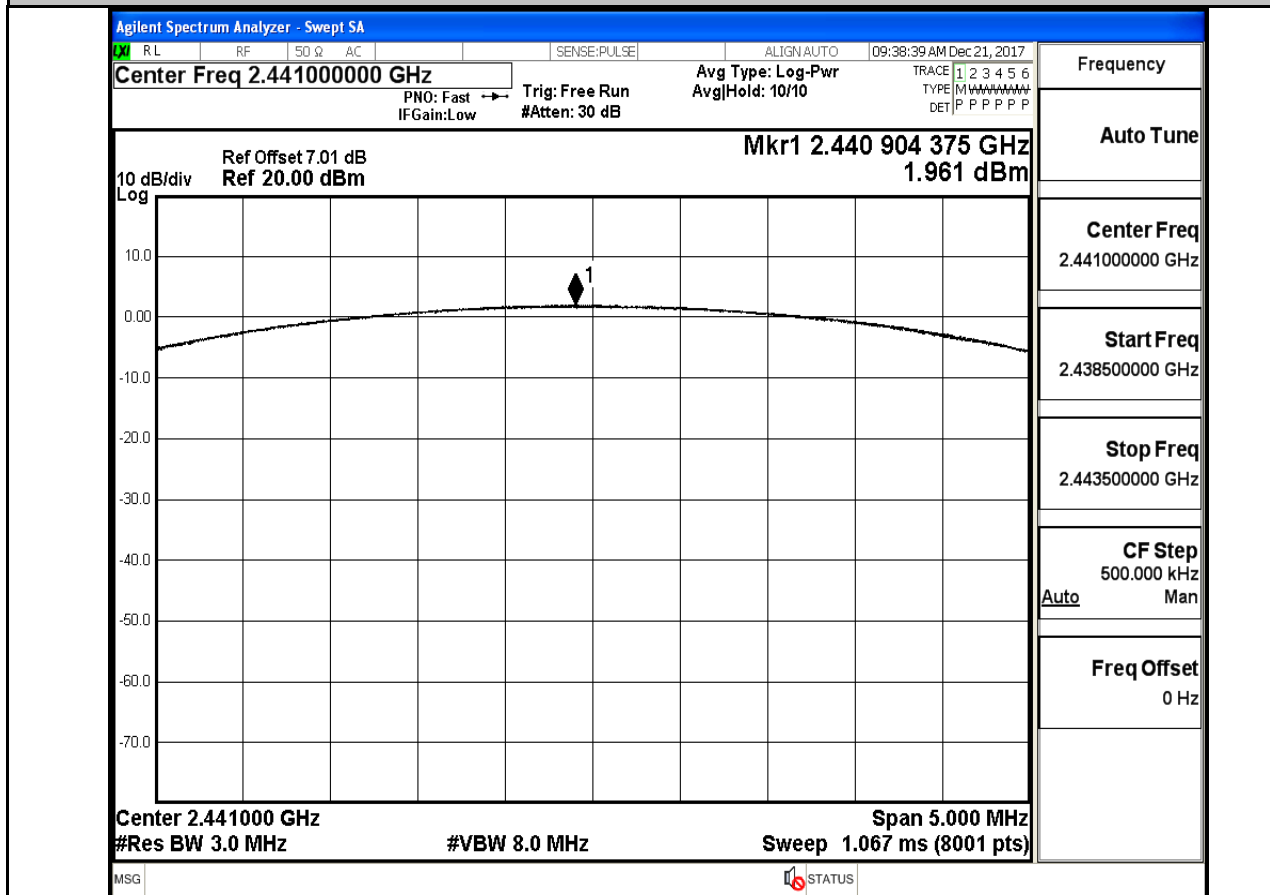
Conducted Peak Output Power_2DH5_2480



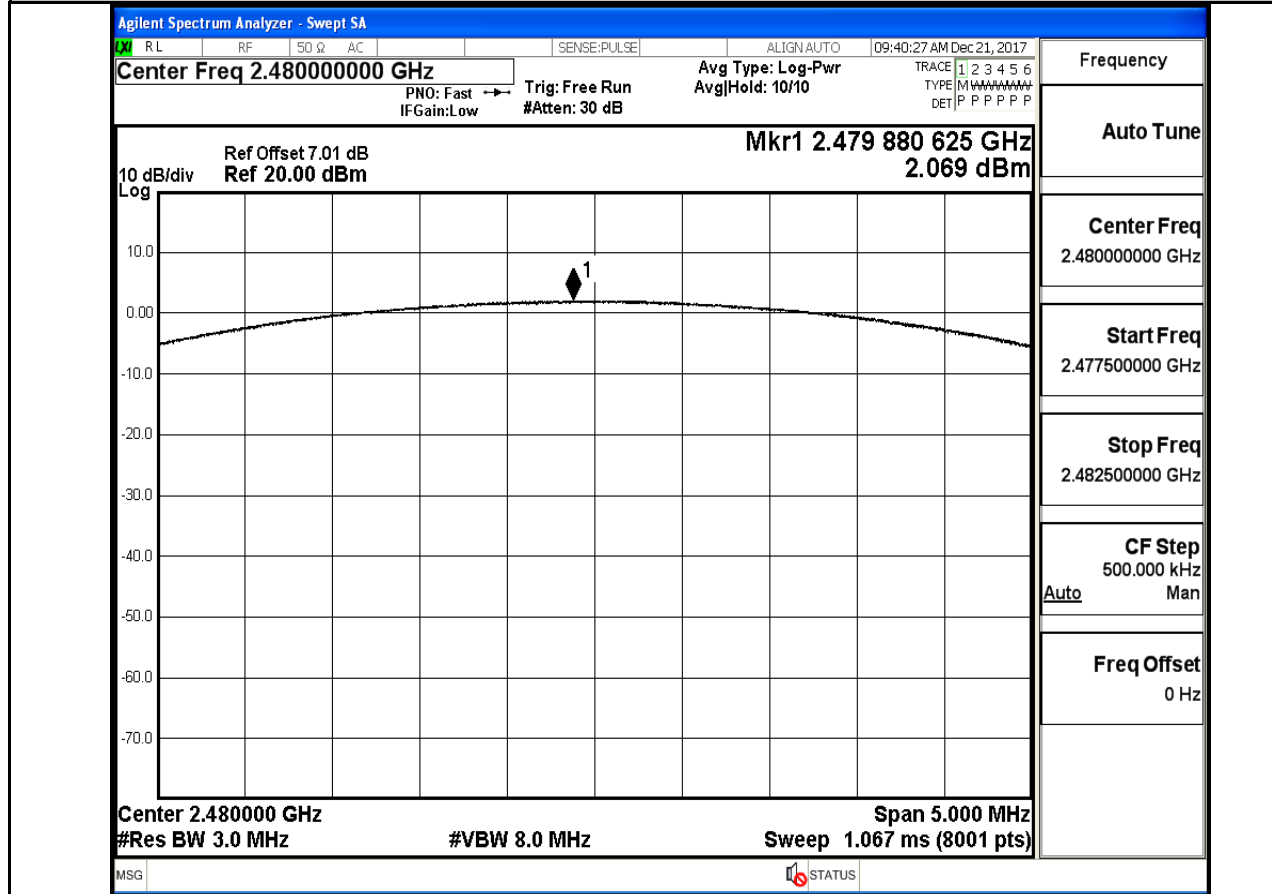
Conducted Peak Output Power_3DH5_2402



Conducted Peak Output Power_3DH5_2441



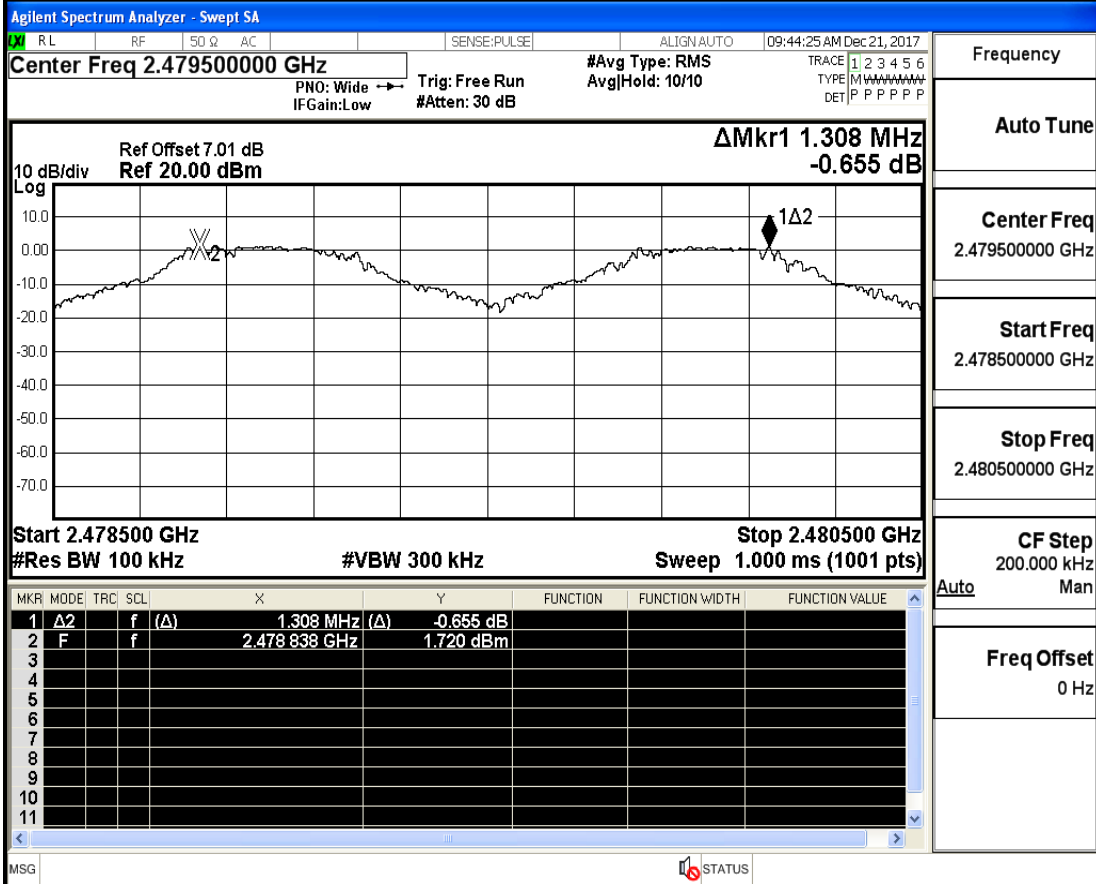
Conducted Peak Output Power_3DH5_2480



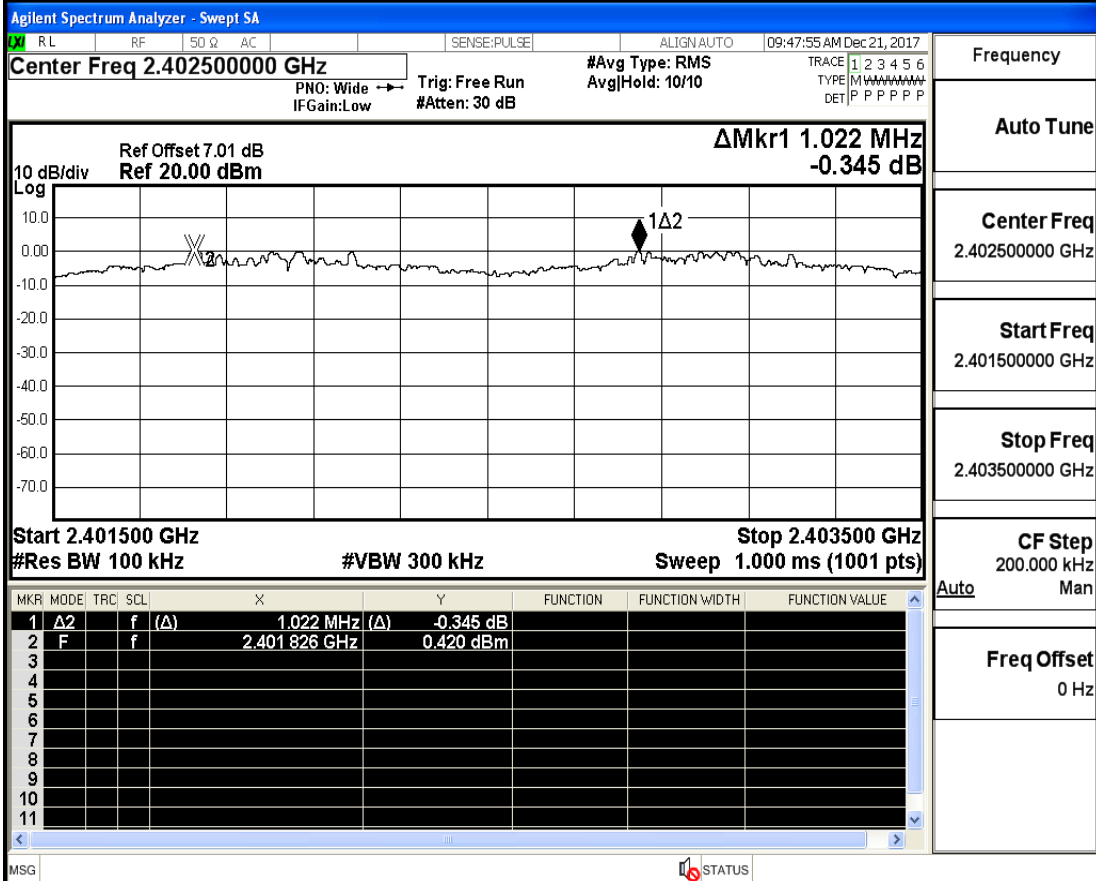
4.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	2402	1.133	0.69	PASS
DH5	2441	0.950	0.65	PASS
DH5	2480	1.308	0.68	PASS
2DH5	2402	1.022	0.86	PASS
2DH5	2441	1.162	0.86	PASS
2DH5	2480	1.190	0.86	PASS
3DH5	2402	1.022	0.86	PASS
3DH5	2441	1.018	0.87	PASS
3DH5	2480	1.068	0.86	PASS

Carrier Frequency Separation_DH5_2480



Carrier Frequency Separation_2DH5_2402



Carrier Frequency Separation_2DH5_2441

Agilent Spectrum Analyzer - Swept SA

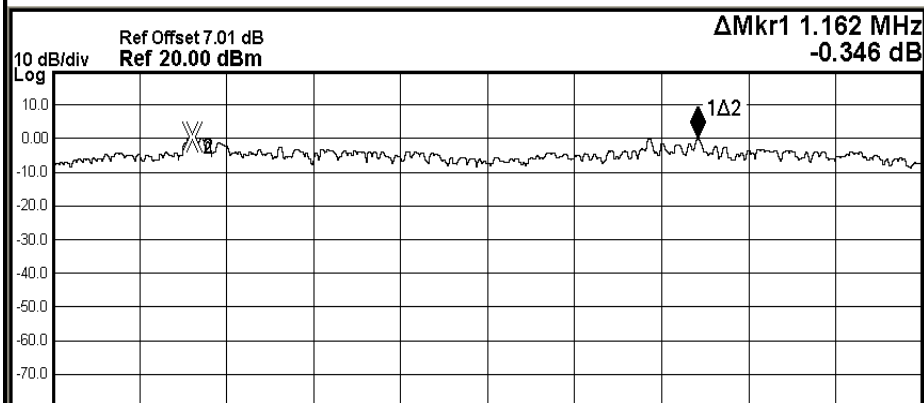
Center Freq 2.441500000 GHz
PNO: Wide → Trig: Free Run #Avg Type: RMS
IFGain: Low #Atten: 30 dB AvgJHold: 10/10

ALIGN AUTO 09:49:32 AM Dec 21, 2017

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET P P P P P P

Frequency

Auto Tune

Center Freq
2.441500000 GHzStart Freq
2.440500000 GHzStop Freq
2.442500000 GHzCF Step
200.000 kHz
Auto ManFreq Offset
0 Hz

Start 2.440500 GHz Stop 2.442500 GHz
#Res BW 100 kHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	f	(Δ)	1.162 MHz (Δ)	-0.346 dB			
2	F	f		2.440 822 GHz	0.266 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

MSG

STATUS

Carrier Frequency Separation_2DH5_2480

Agilent Spectrum Analyzer - Swept SA

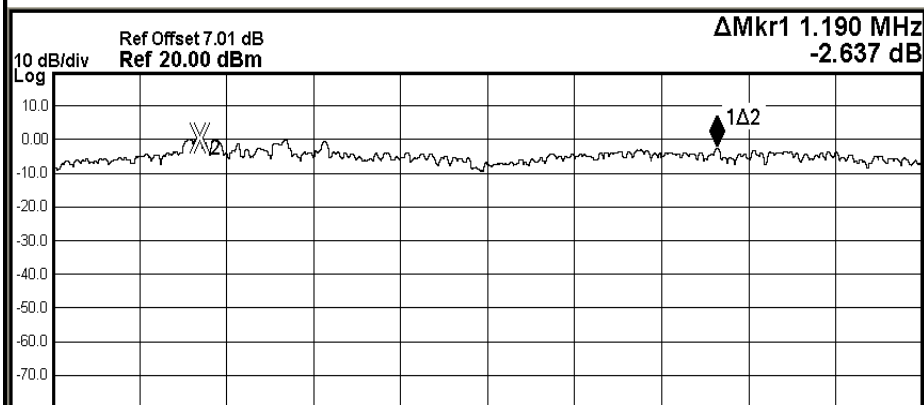
Center Freq 2.479500000 GHz
PNO: Wide → Trig: Free Run #Avg Type: RMS
IFGain: Low #Atten: 30 dB AvgJHold: 10/10

ALIGN AUTO 09:49:55 AM Dec 21, 2017

TRACE 1 2 3 4 5 6
TYPE M W W W W W W W
DET P P P P P P

Frequency

Auto Tune

Center Freq
2.479500000 GHzStart Freq
2.478500000 GHzStop Freq
2.480500000 GHzCF Step
200.000 kHz
Auto ManFreq Offset
0 Hz

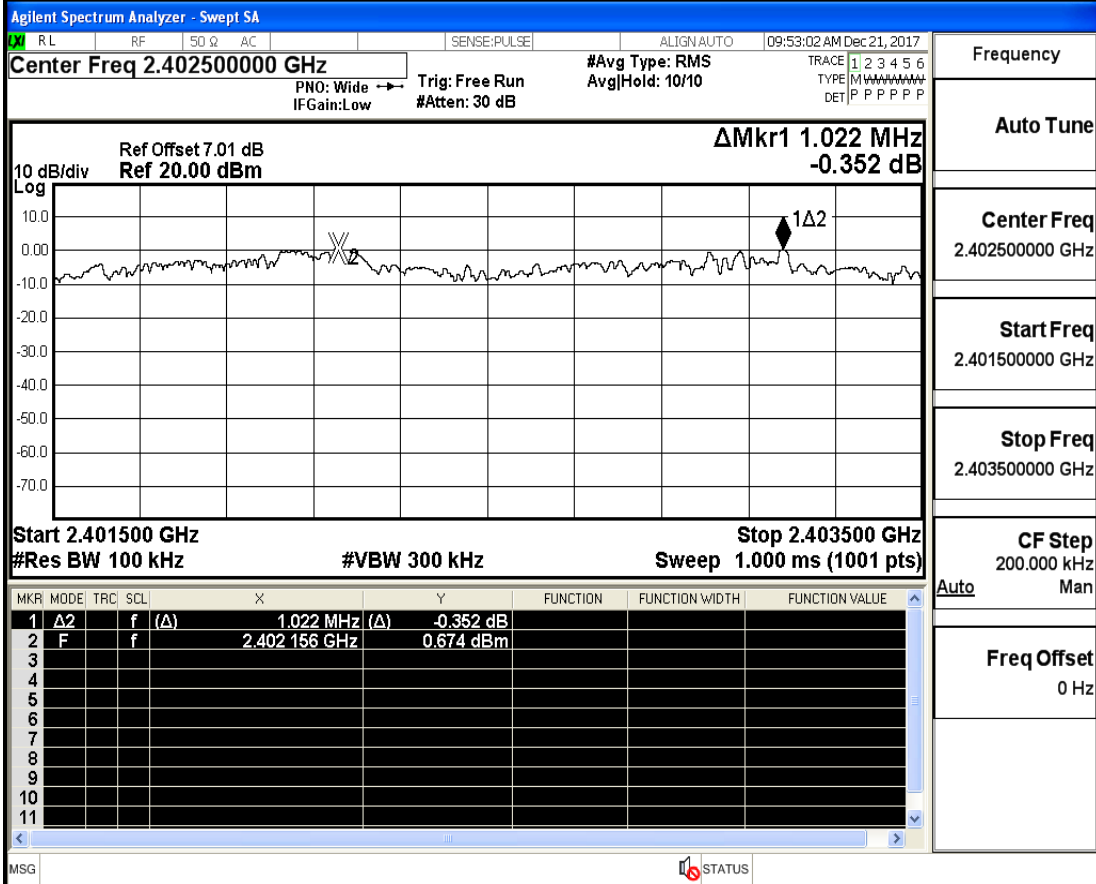
Start 2.478500 GHz Stop 2.480500 GHz
#Res BW 100 kHz #VBW 300 kHz Sweep 1.000 ms (1001 pts)

MR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ2	f	(Δ)	1.190 MHz (Δ)	-2.637 dB			
2	F	f		2.478 838 GHz	0.157 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

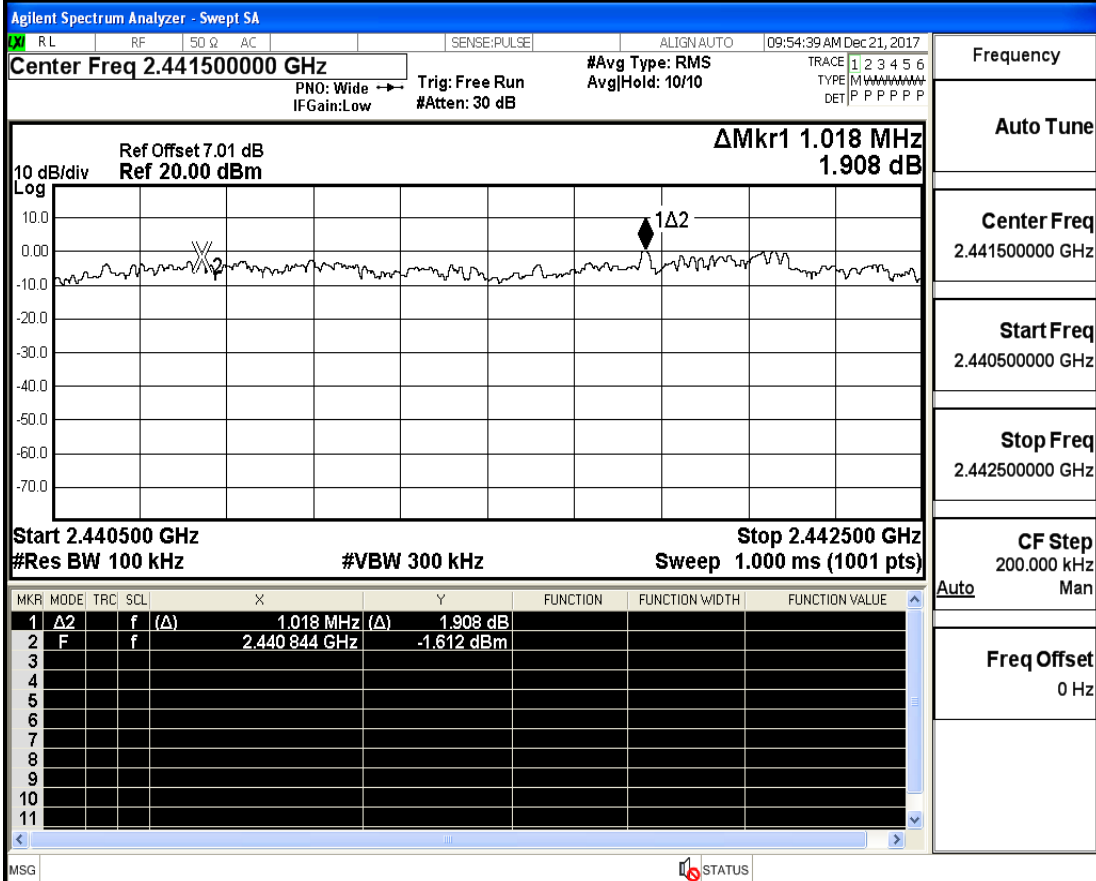
MSG

STATUS

Carrier Frequency Separation_3DH5_2402

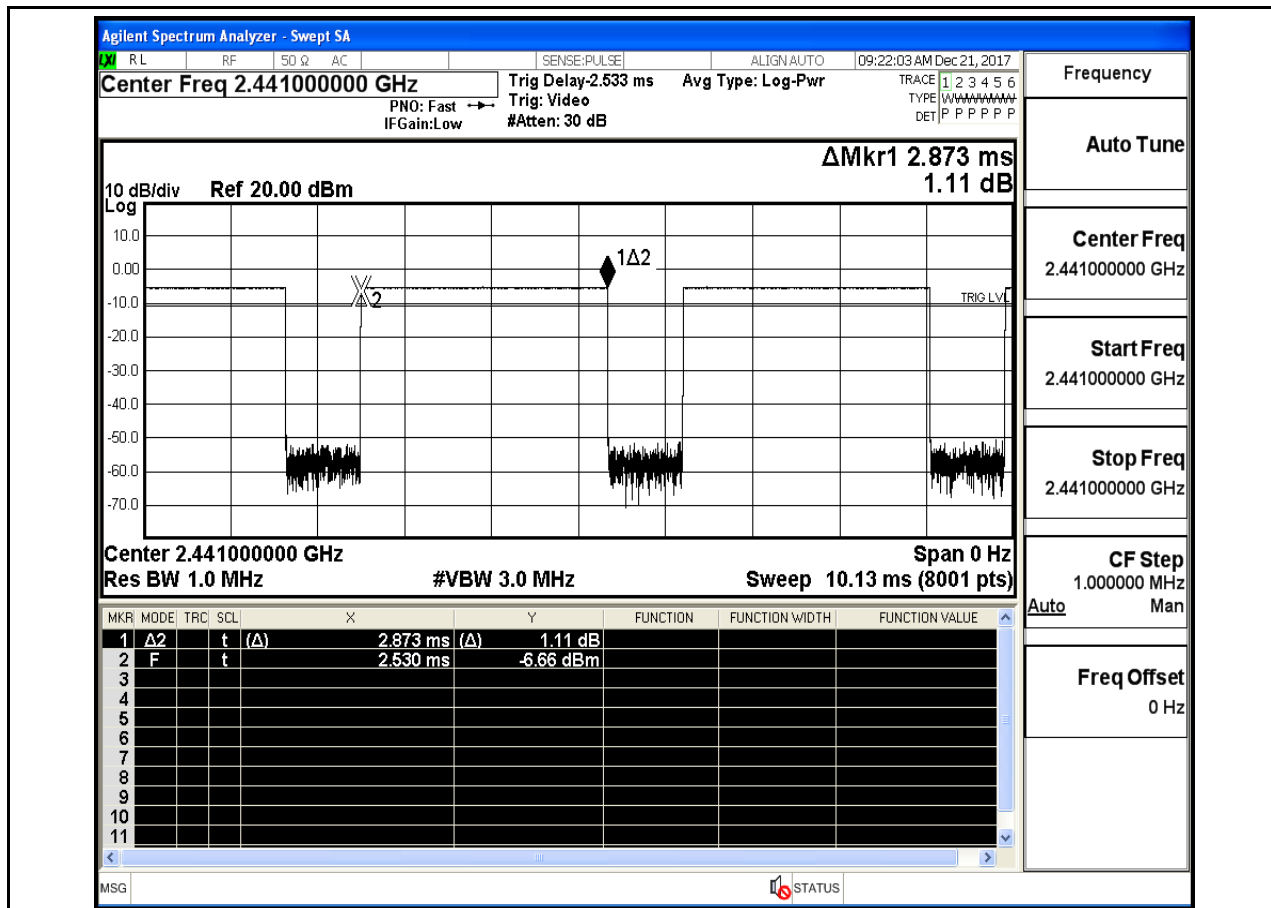


Carrier Frequency Separation_3DH5_2441

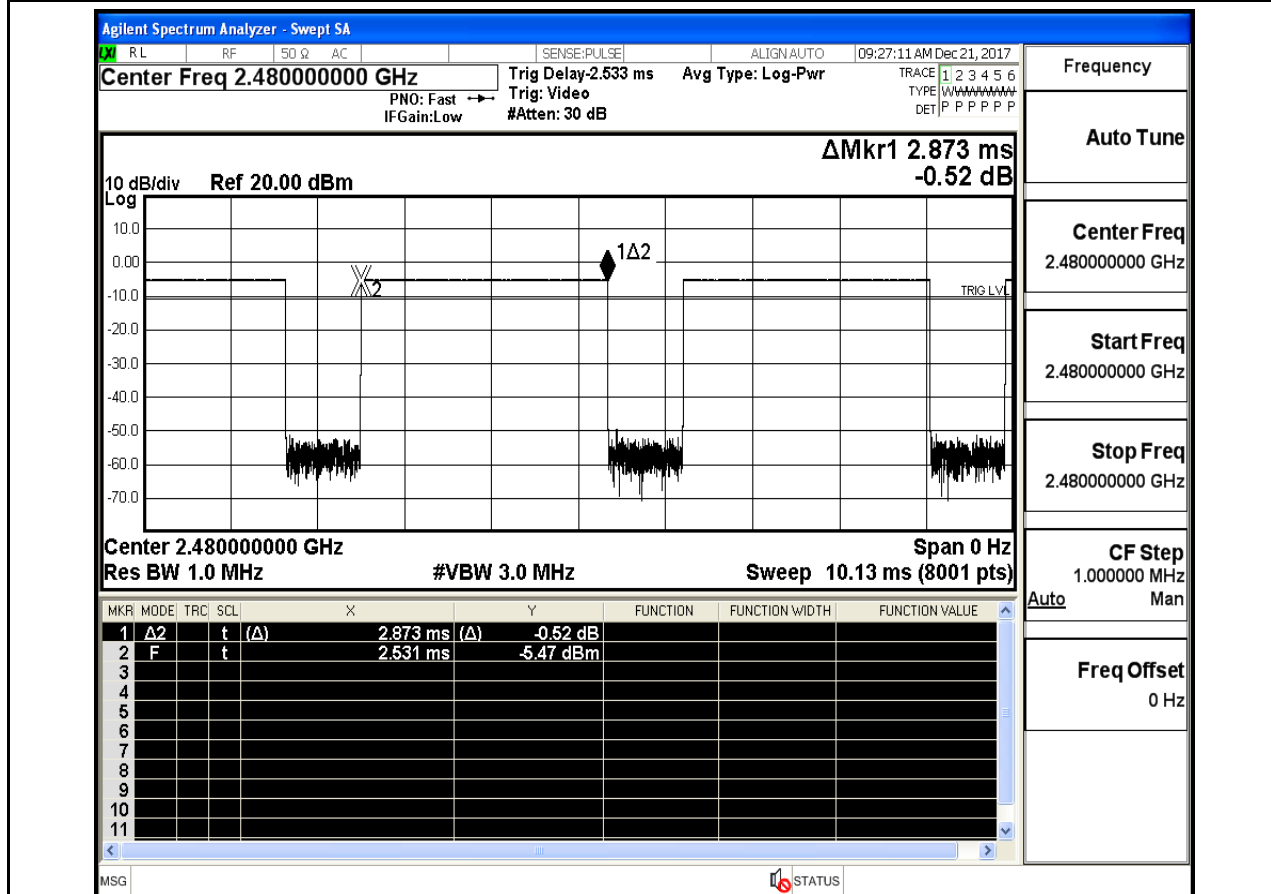


5.Dwell Time

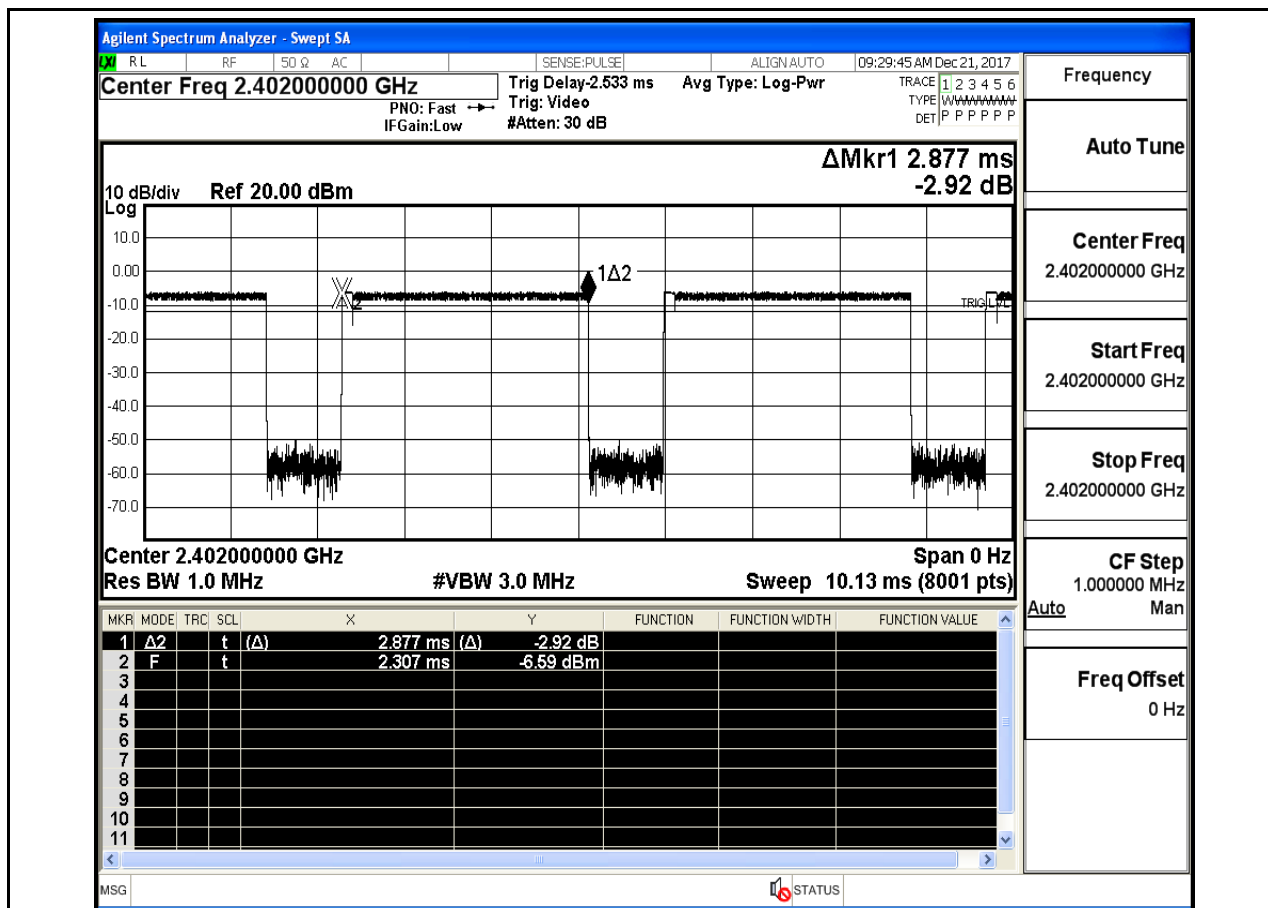
Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
DH5	2402	2.87	106.7	0.306	0.4	PASS
DH5	2441	2.87	106.7	0.306	0.4	PASS
DH5	2480	2.87	106.7	0.306	0.4	PASS
2DH5	2402	2.88	106.7	0.307	0.4	PASS
2DH5	2441	2.88	106.7	0.307	0.4	PASS
2DH5	2480	2.88	106.7	0.307	0.4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



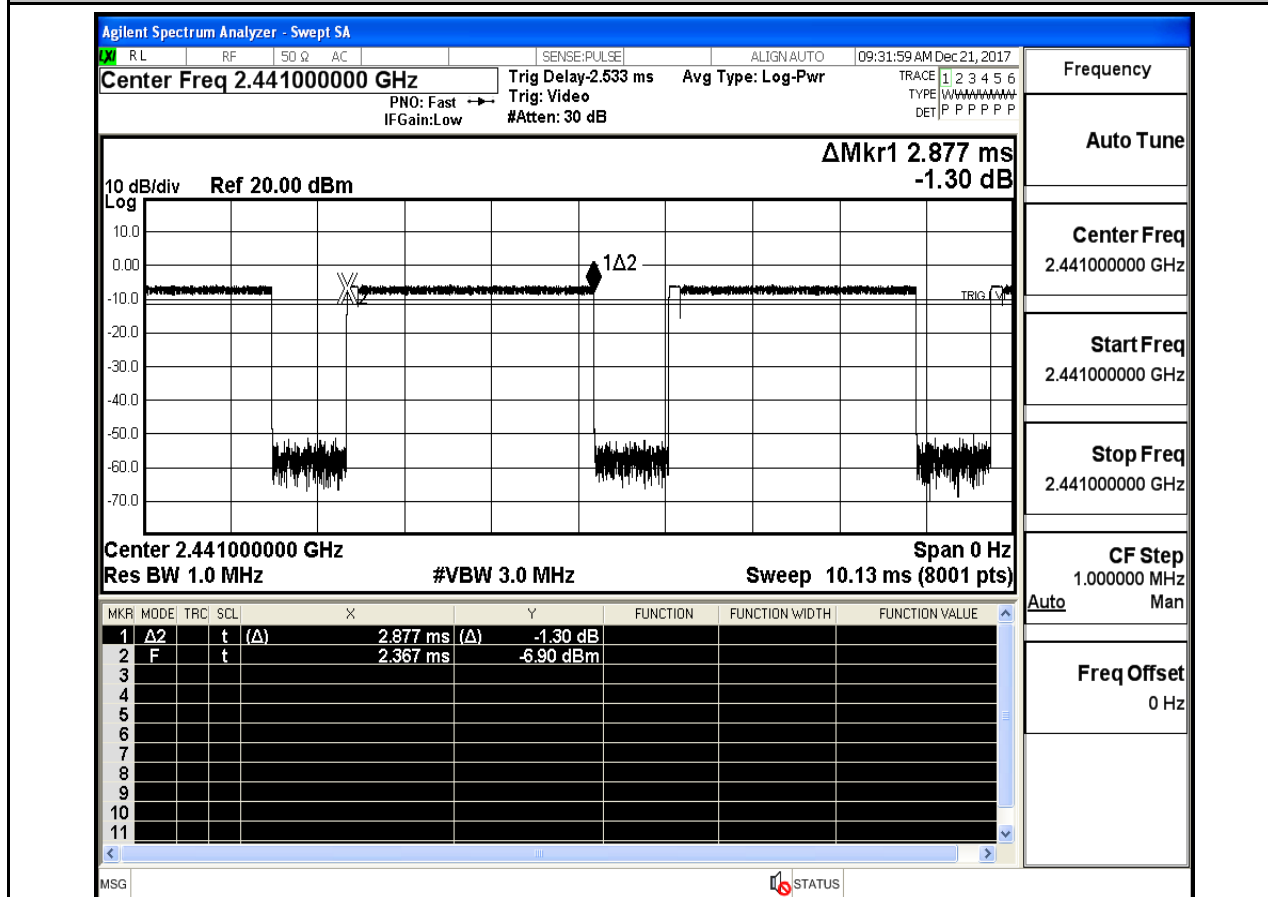
Dwell Time_DH5_2480



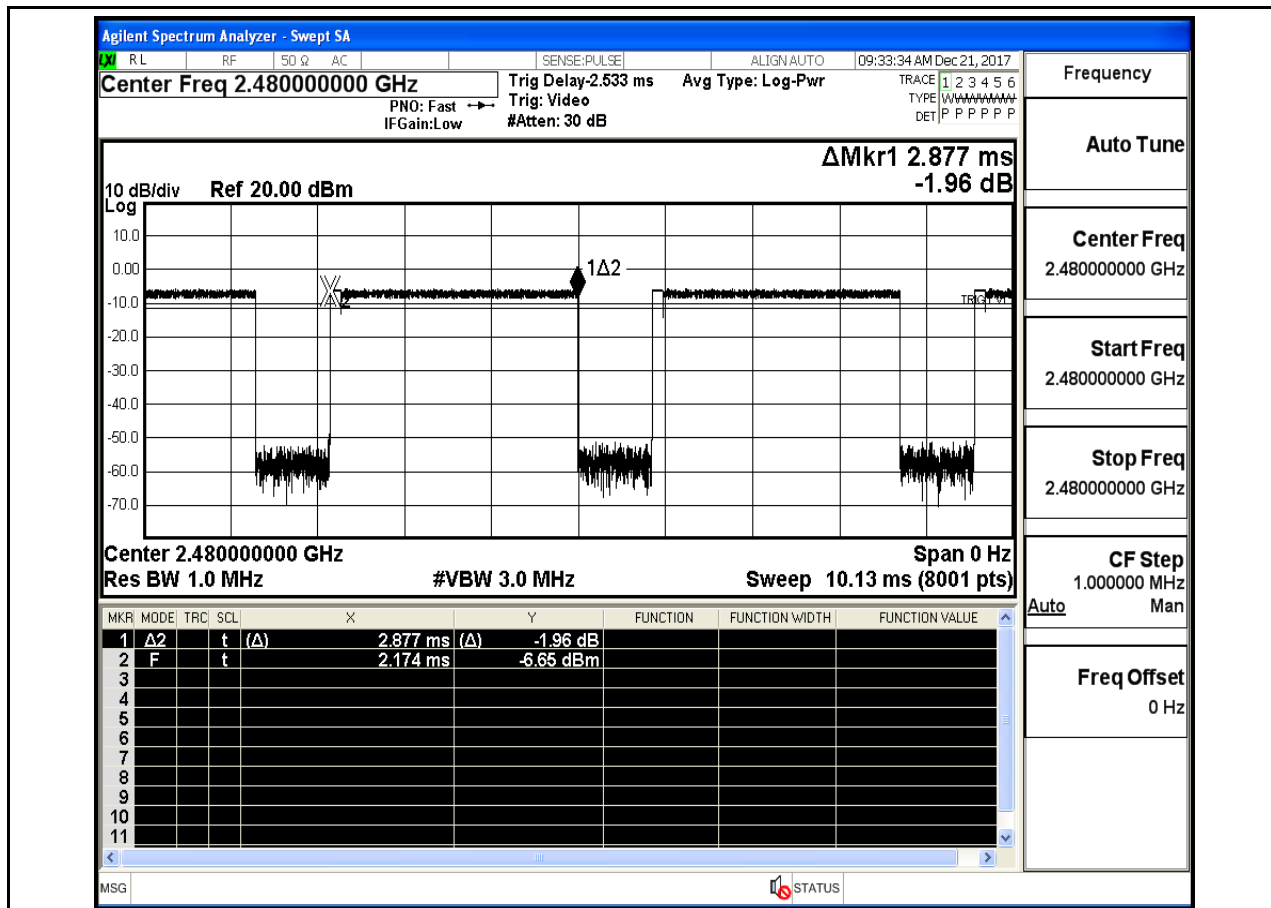
Dwell Time_2DH5_2402



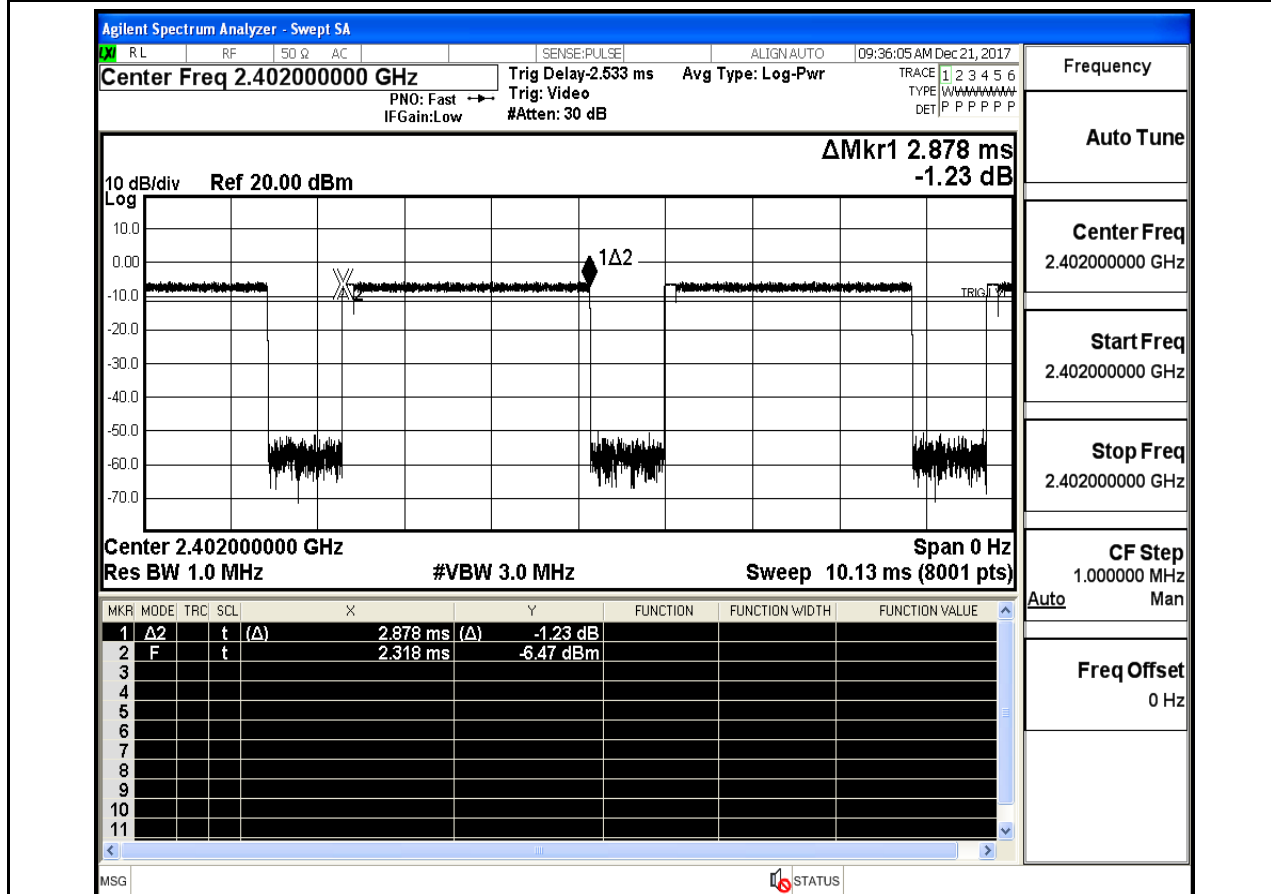
Dwell Time_2DH5_2441



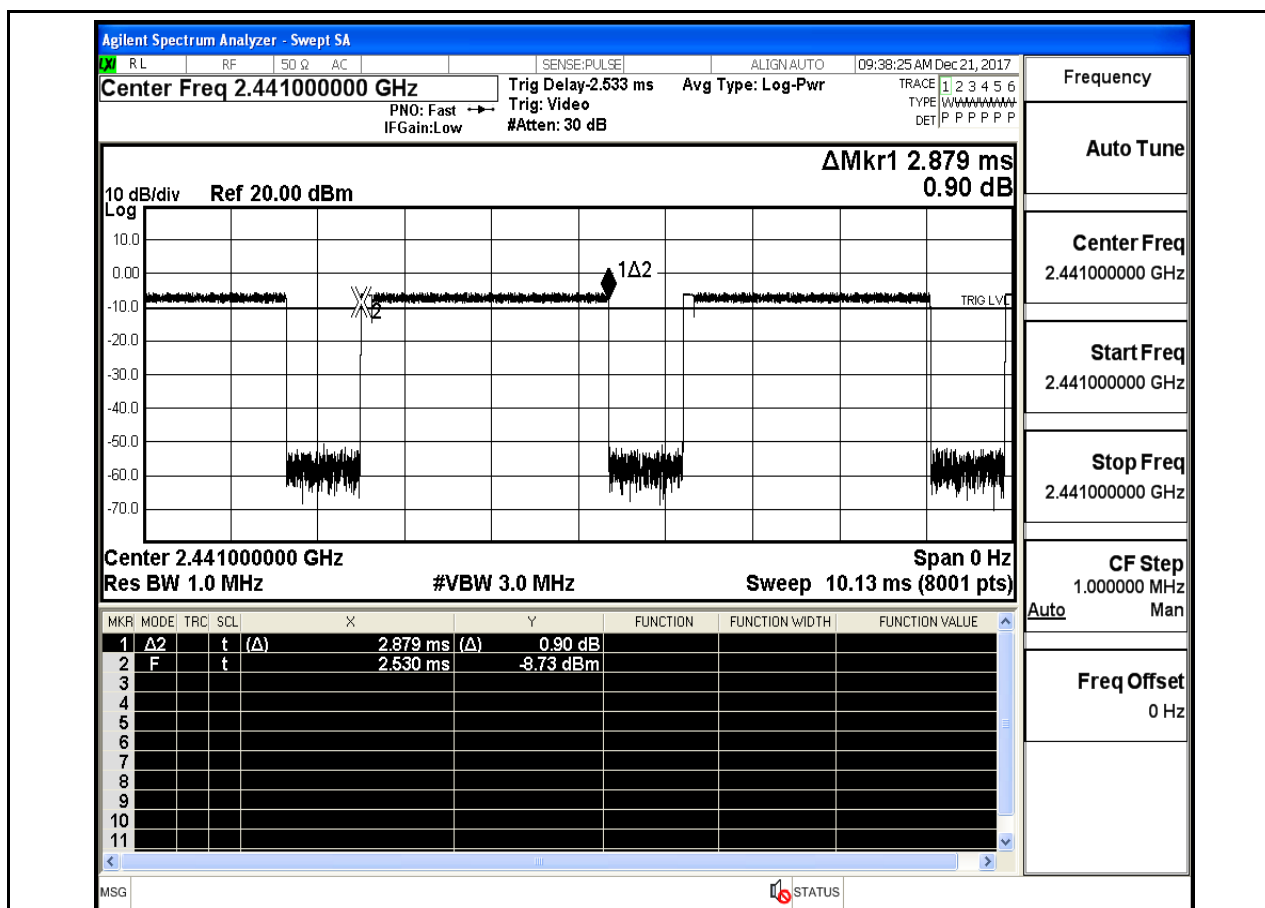
Dwell Time_2DH5_2480



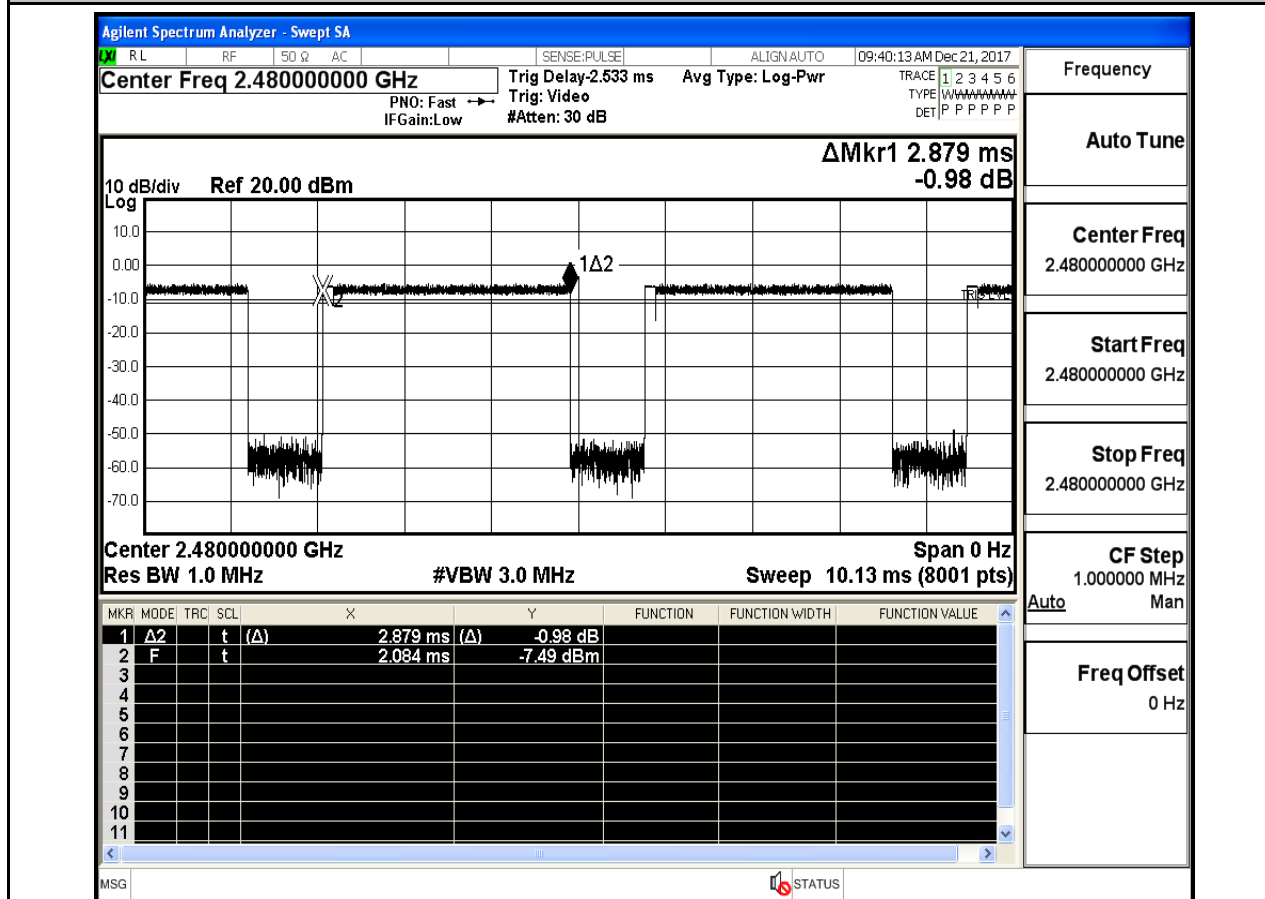
Dwell Time_3DH5_2402



Dwell Time_3DH5_2441



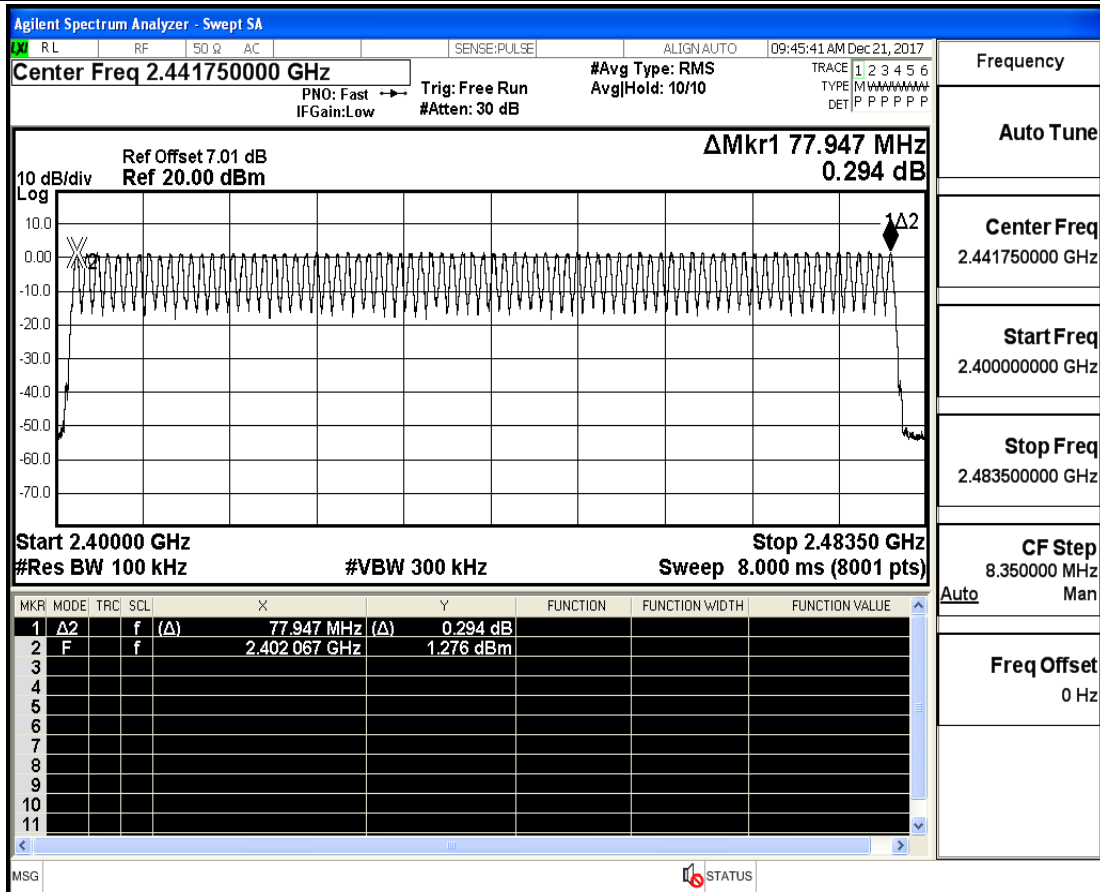
Dwell Time 3DH5 2480



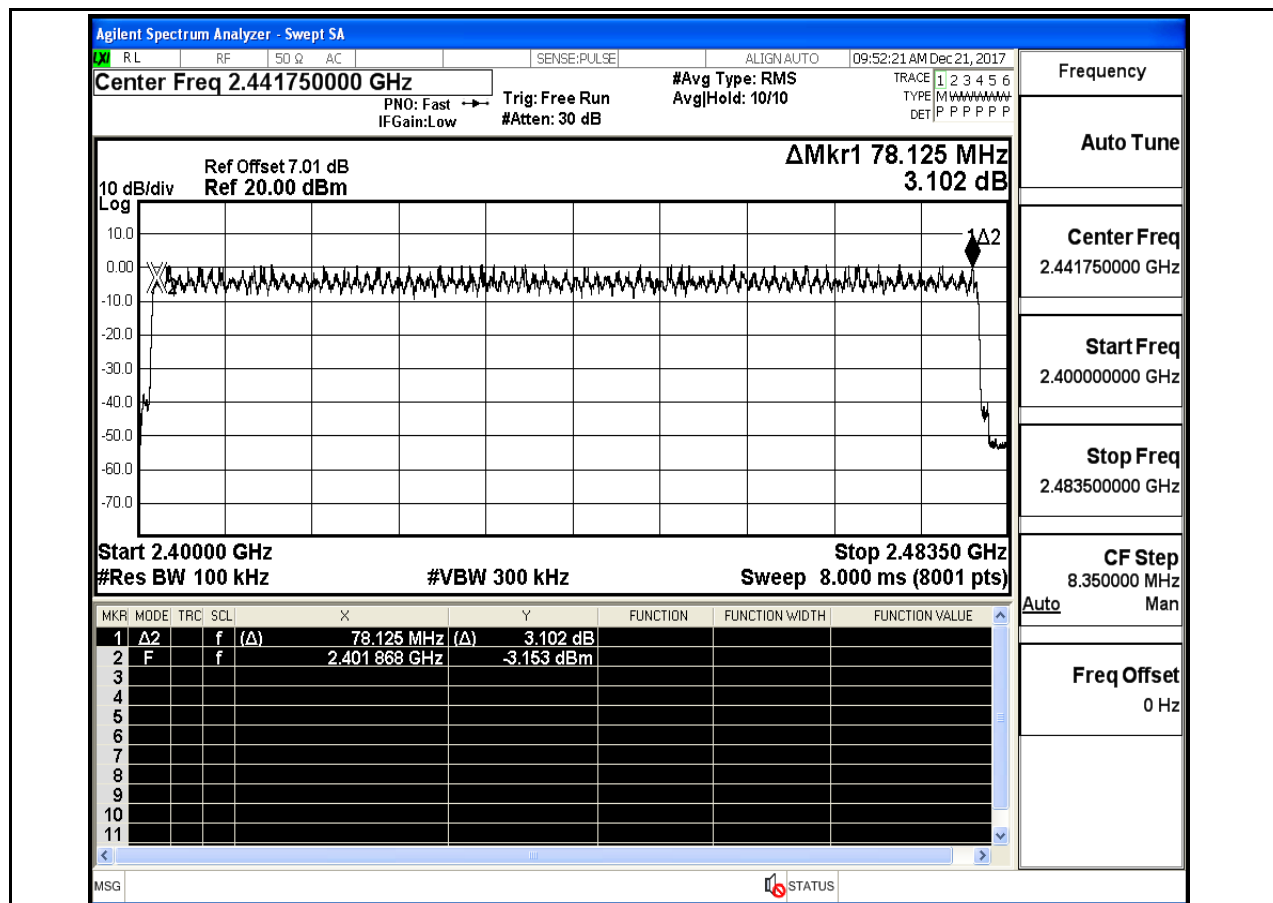
6.Hopping Channel Number

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

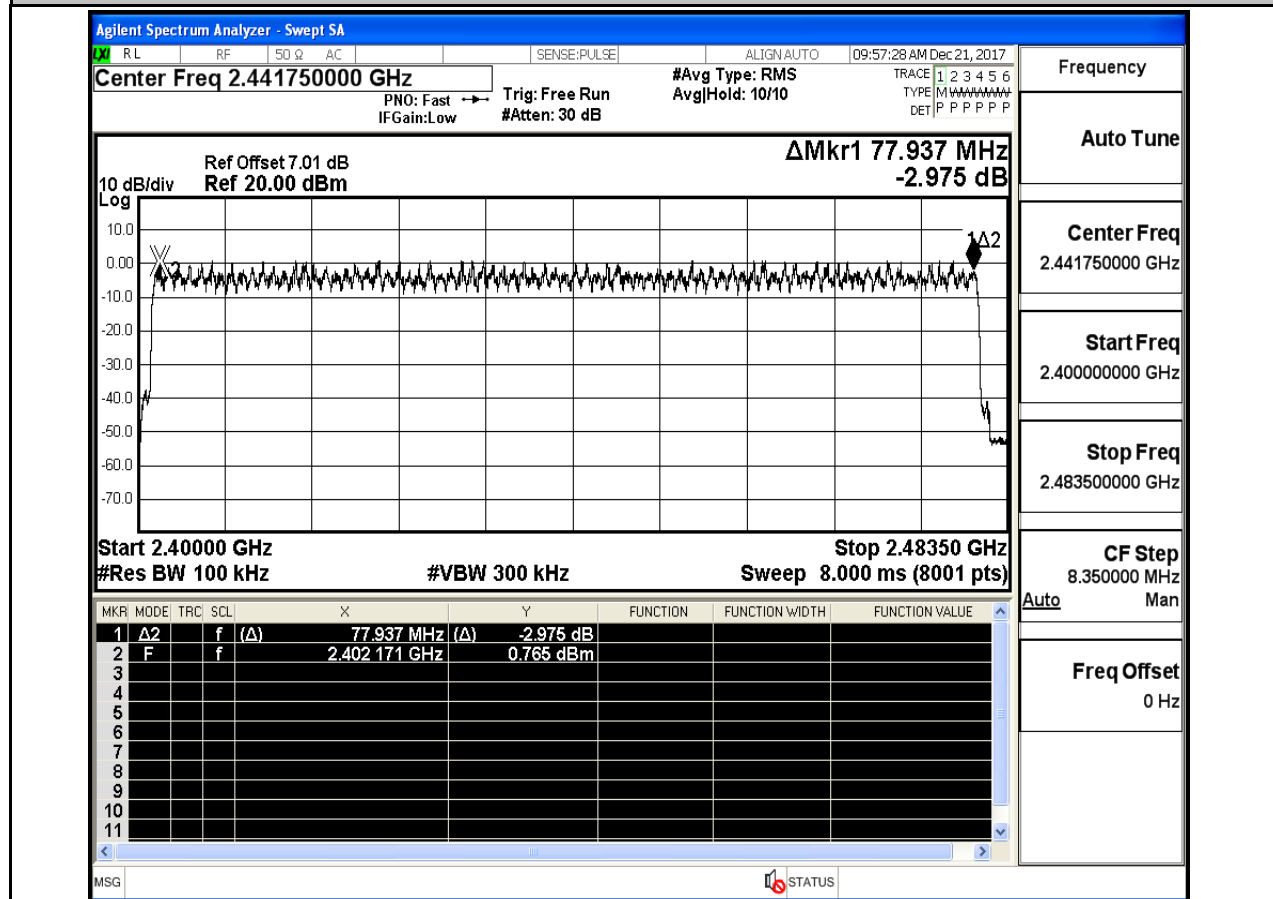
Hopping Channel Number_DH5_2402



Hopping Channel Number_2DH5_2402



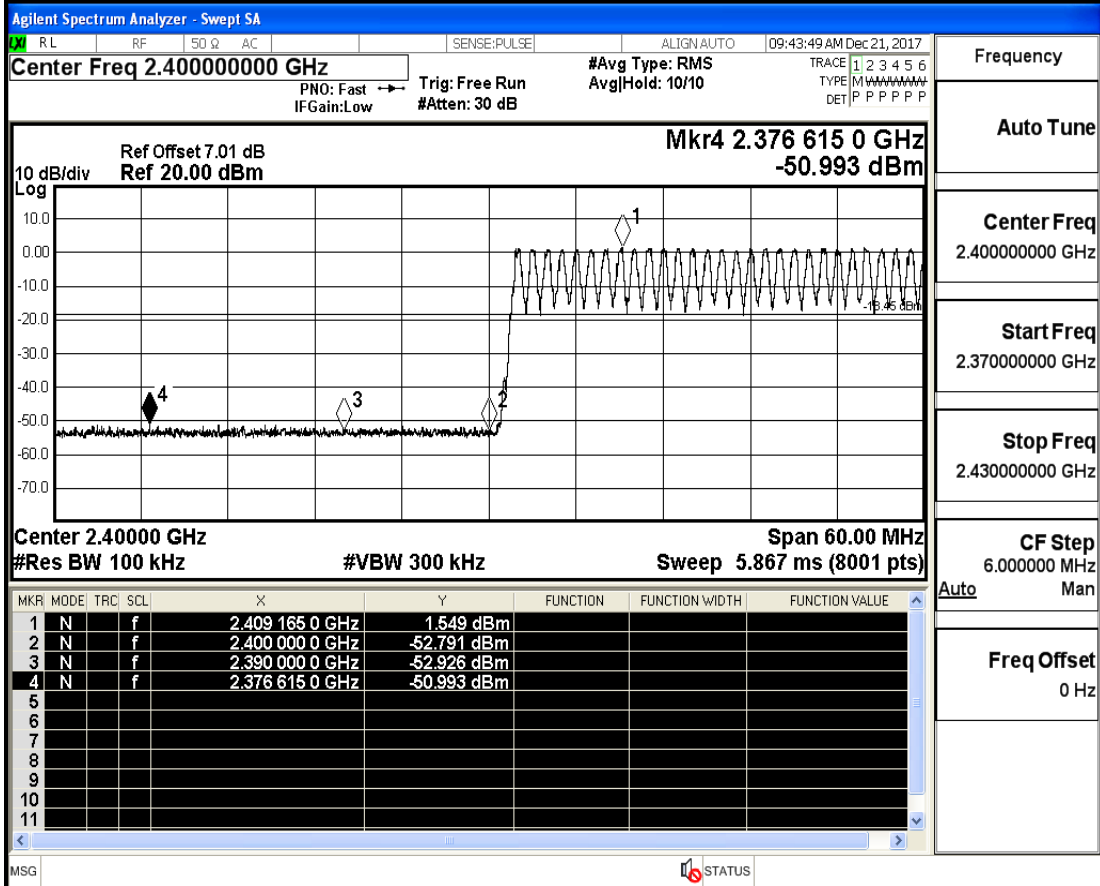
Hopping Channel Number_3DH5_2402



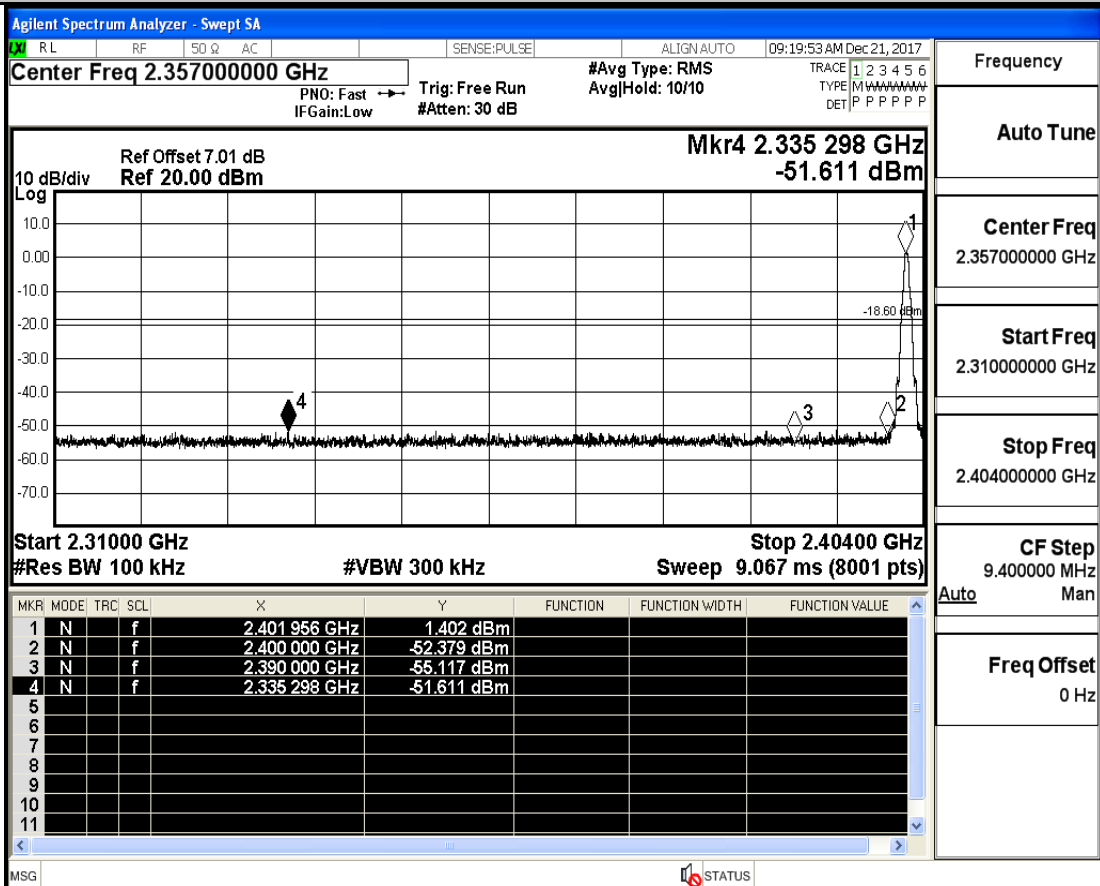
7.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH5	2402	On	1.549	-50.993	-18.45	PASS
DH5	2402	Off	1.402	-51.611	-18.6	PASS
DH5	2480	On	1.819	-50.837	-18.18	PASS
DH5	2480	Off	1.890	-51.111	-18.11	PASS
2DH5	2402	On	0.866	-49.907	-19.13	PASS
2DH5	2402	Off	0.324	-51.062	-19.68	PASS
2DH5	2480	On	0.877	-50.632	-19.12	PASS
2DH5	2480	Off	0.979	-51.238	-19.02	PASS
3DH5	2402	On	0.739	-50.945	-19.26	PASS
3DH5	2402	Off	0.344	-51.317	-19.66	PASS
3DH5	2480	On	0.906	-50.010	-19.09	PASS
3DH5	2480	Off	0.914	-50.664	-19.09	PASS

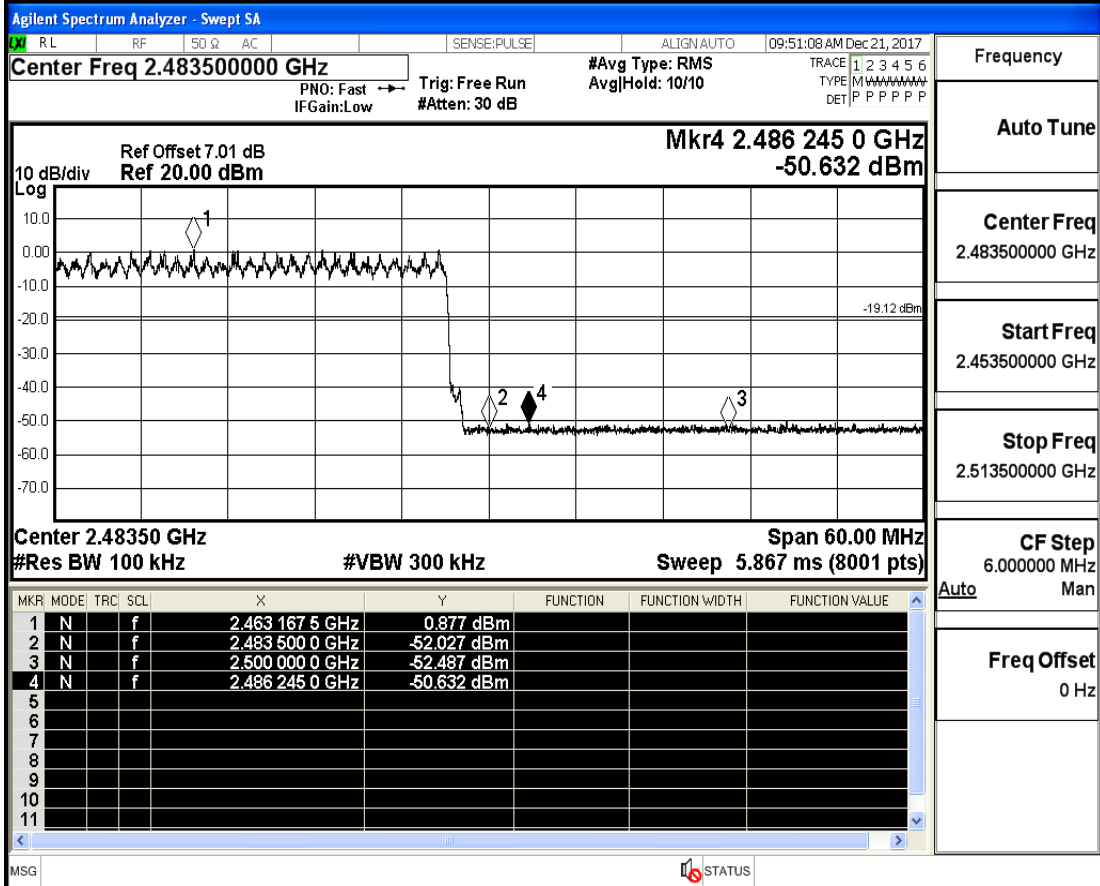
Band-edge for RF Conducted Emissions_DH5_2402_Hopping On



Band-edge for RF Conducted Emissions_DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_2DH5_2480_Hopping On

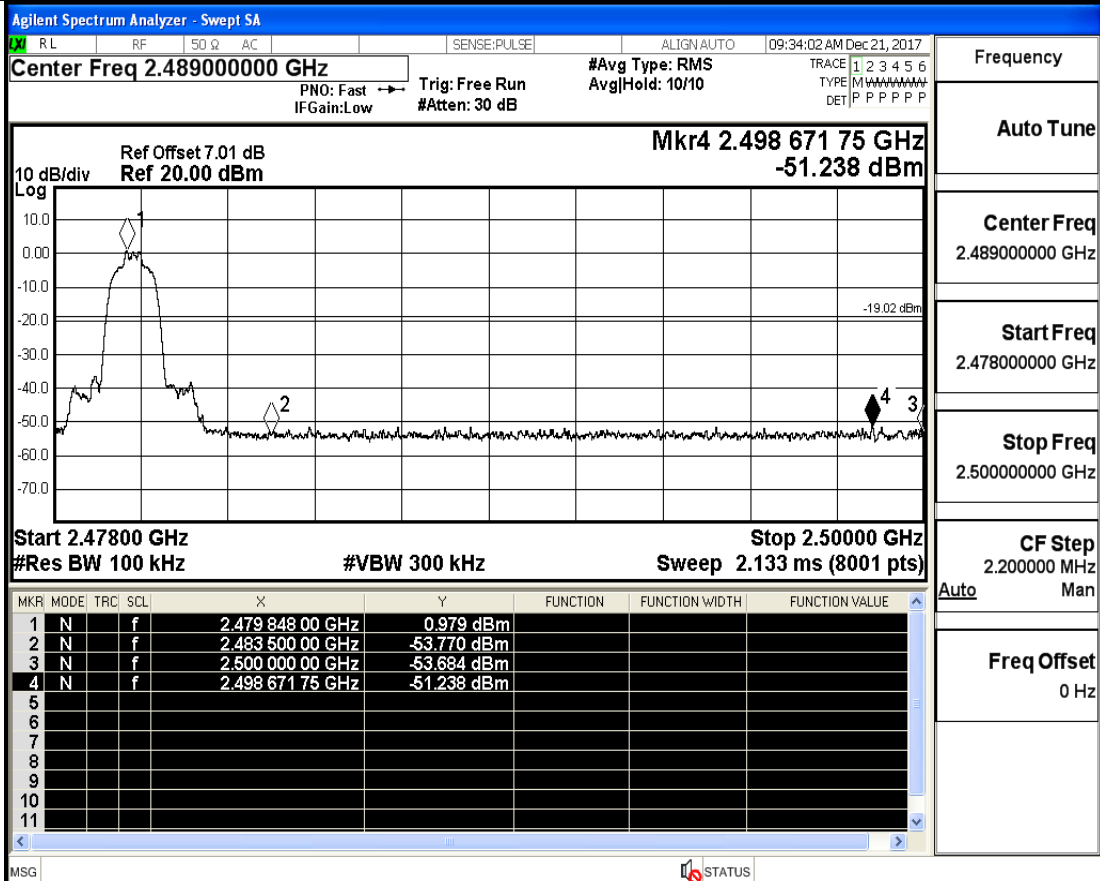


Frequency

Auto Tune

Center Freq
2.483500000 GHzStart Freq
2.453500000 GHzStop Freq
2.513500000 GHzCF Step
6.000000 MHz
Auto ManFreq Offset
0 Hz

Band-edge for RF Conducted Emissions_2DH5_2480_Hopping Off



Frequency

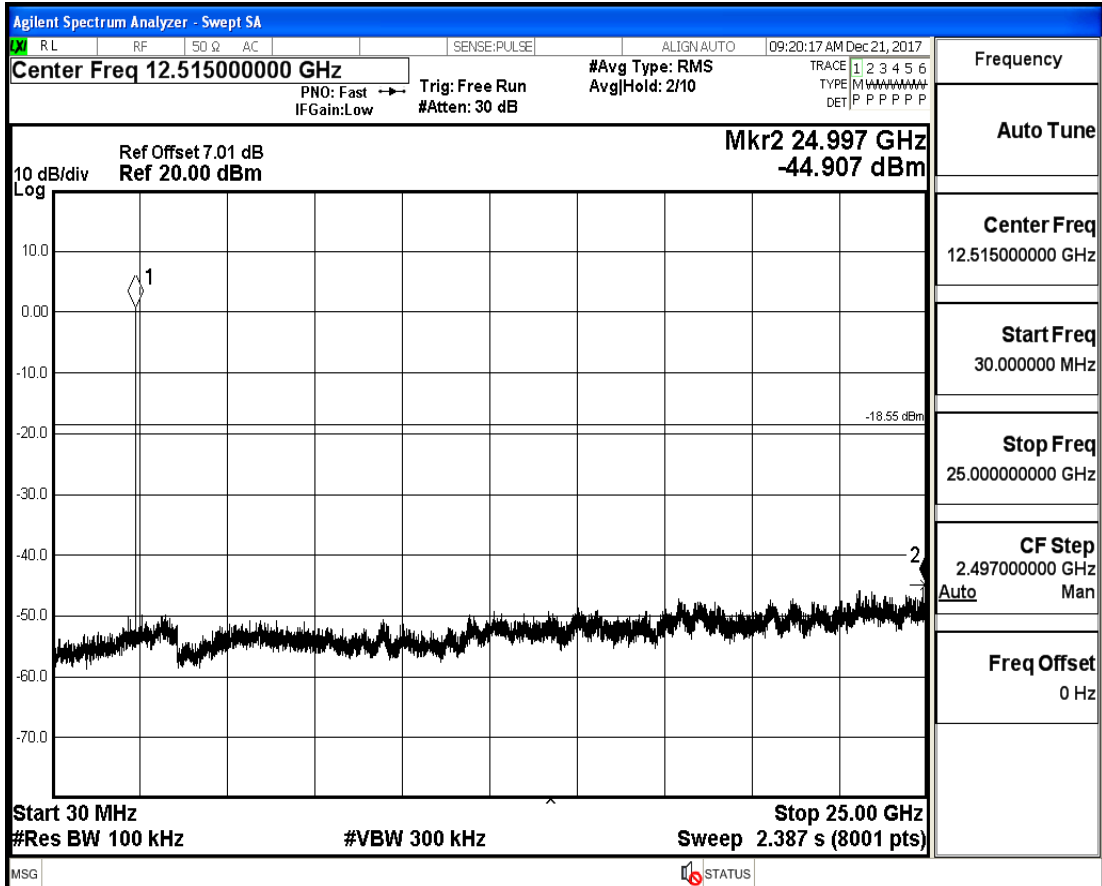
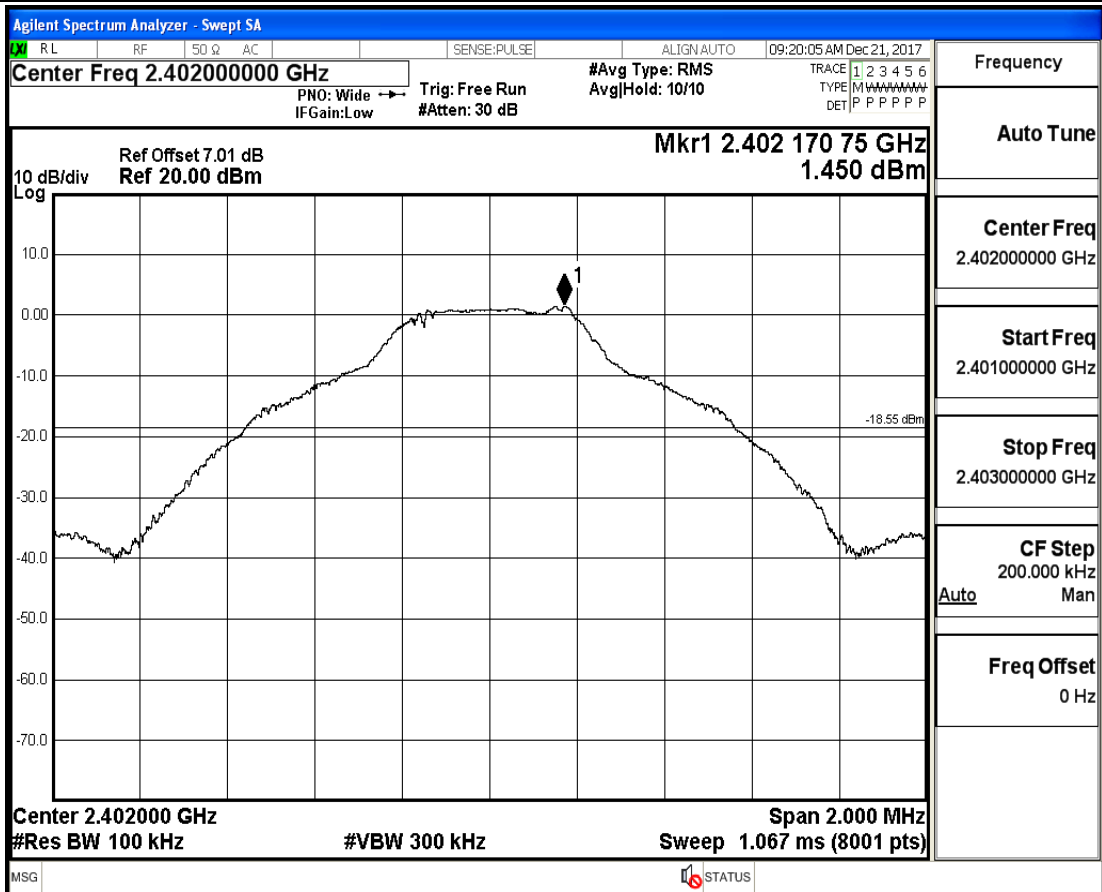
Auto Tune

Center Freq
2.489000000 GHzStart Freq
2.478000000 GHzStop Freq
2.500000000 GHzCF Step
2.200000 MHz
Auto ManFreq Offset
0 Hz

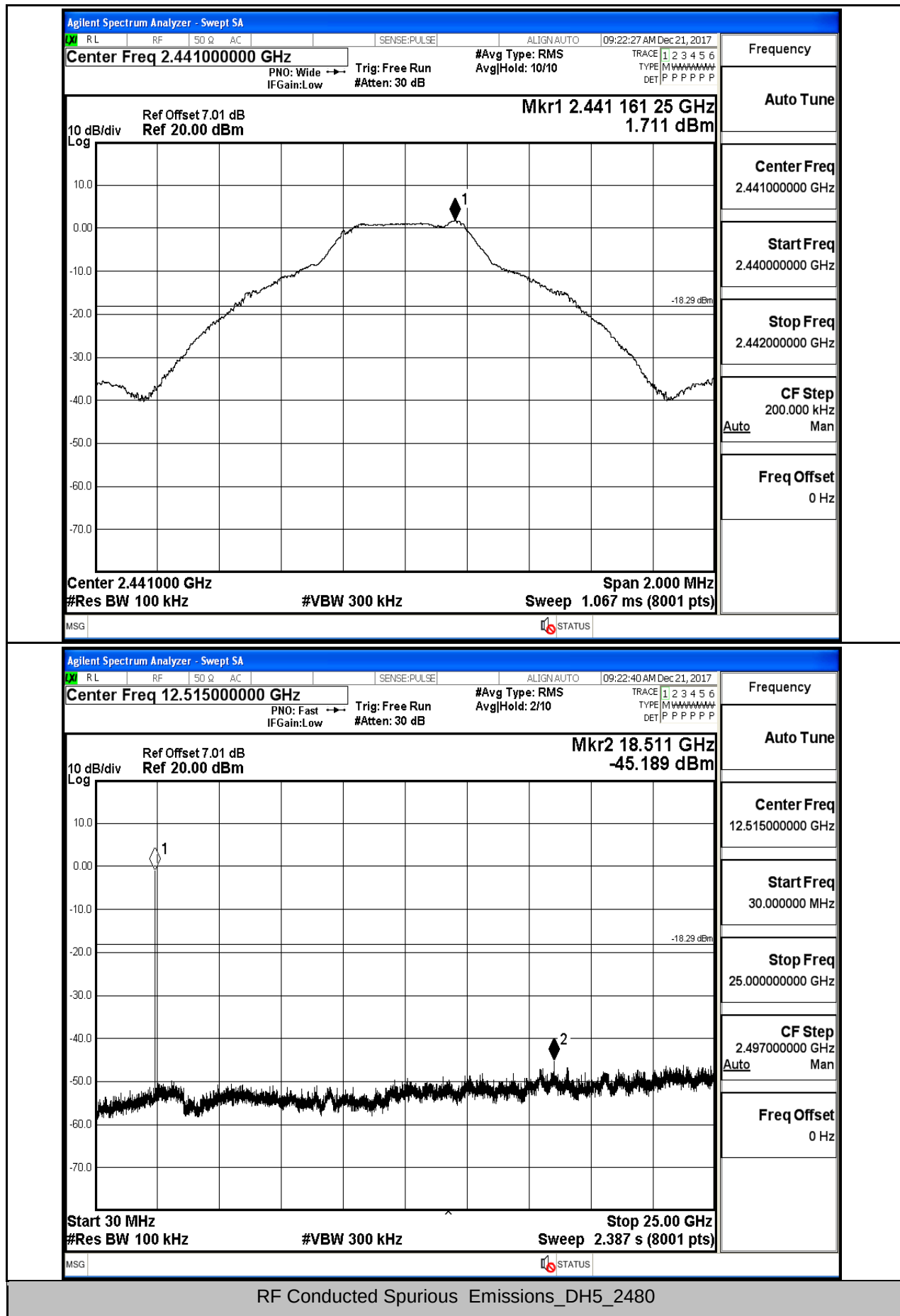
8.RF Conducted Spurious Emissions

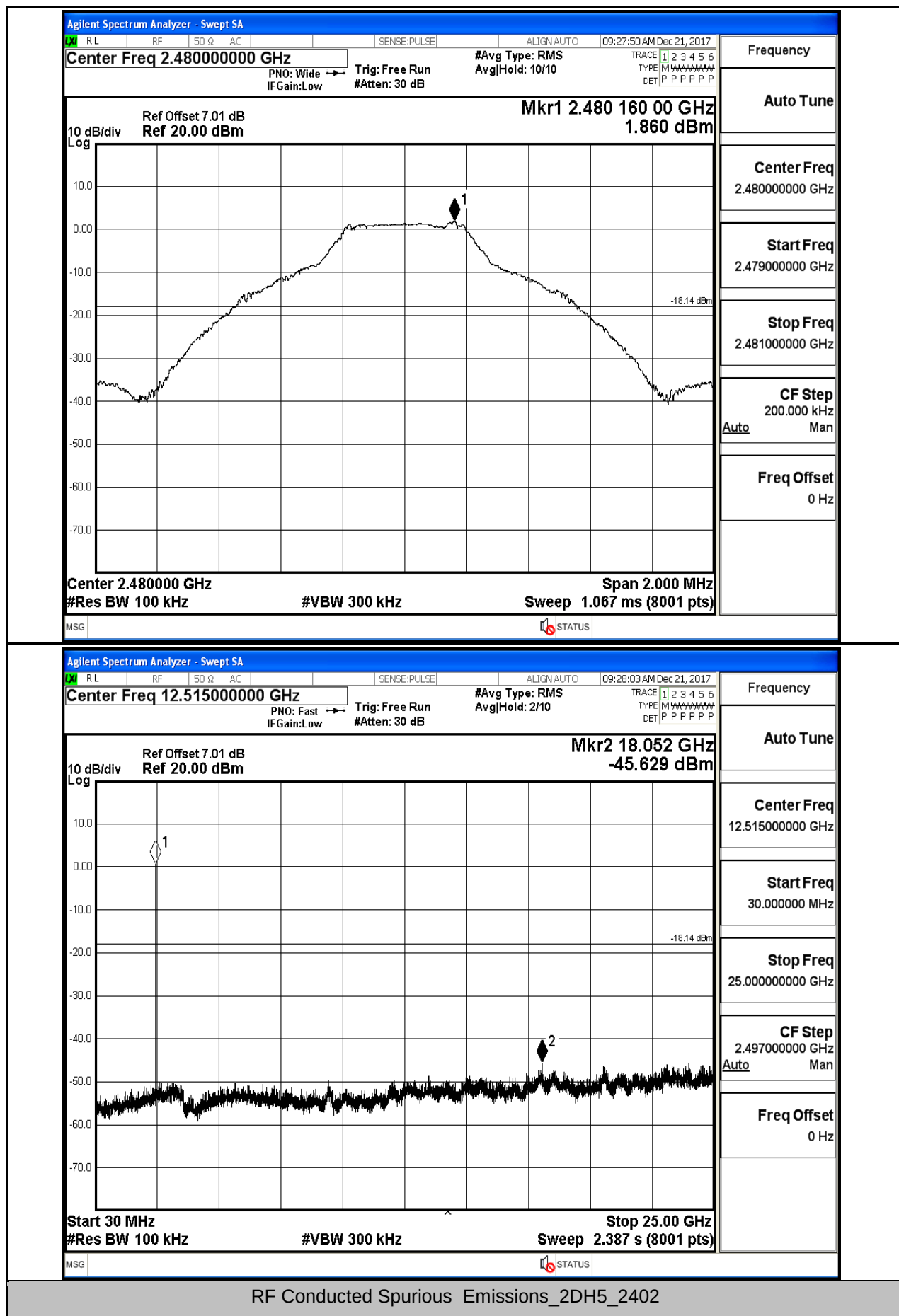
Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
DH5	2402	30	25000	100	300	1.45	-44.907	<-18.55	PASS
DH5	2441	30	25000	100	300	1.711	-45.189	<-18.289	PASS
DH5	2480	30	25000	100	300	1.86	-45.629	<-18.14	PASS
2DH5	2402	30	25000	100	300	0.787	-45.691	<-19.213	PASS
2DH5	2441	30	25000	100	300	0.703	-45.698	<-19.297	PASS
2DH5	2480	30	25000	100	300	0.939	-45.932	<-19.061	PASS
3DH5	2402	30	25000	100	300	0.695	-45.625	<-19.305	PASS
3DH5	2441	30	25000	100	300	0.384	-45.265	<-19.616	PASS
3DH5	2480	30	25000	100	300	0.741	-45.641	<-19.259	PASS

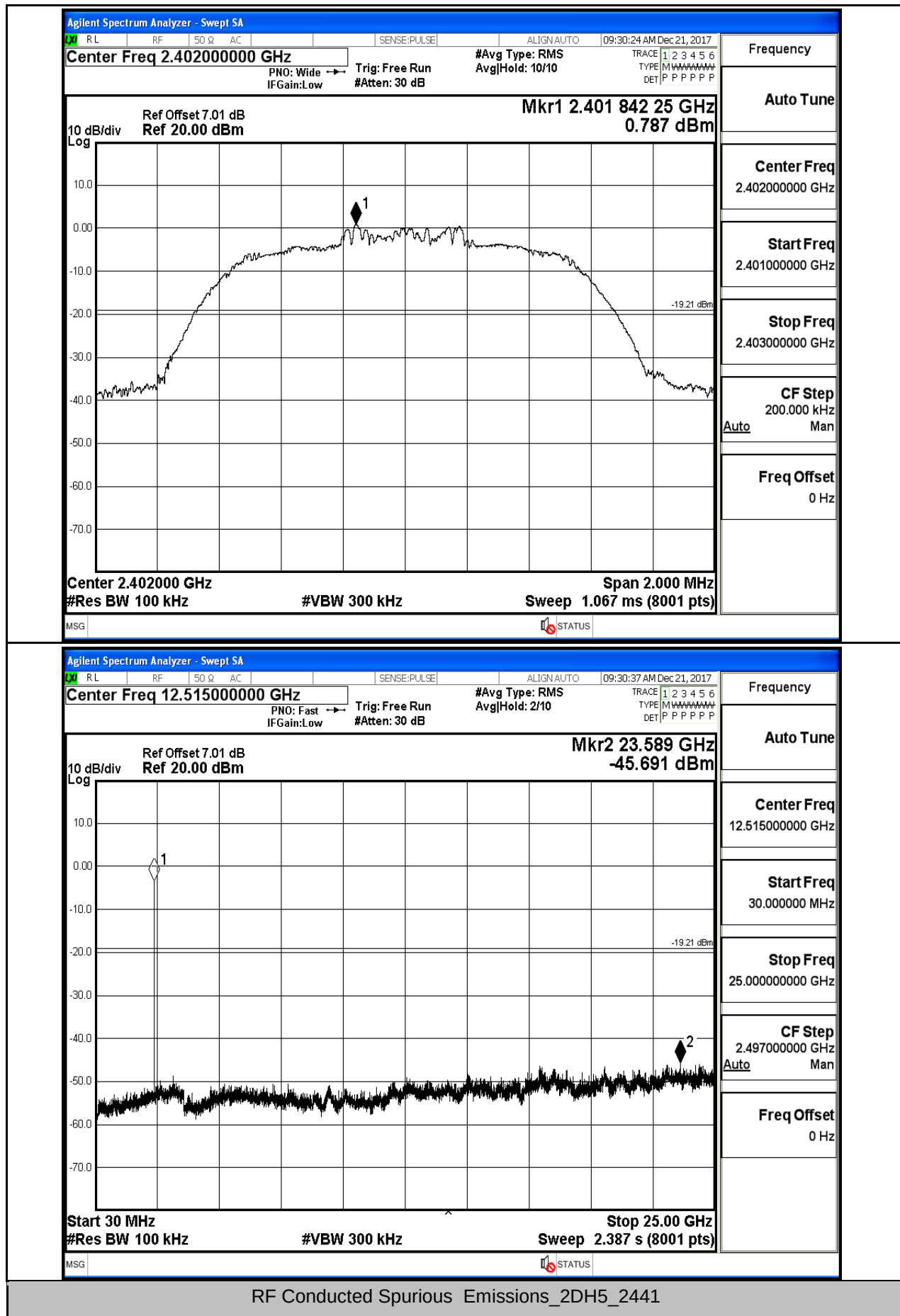
RF Conducted Spurious Emissions_DH5_2402

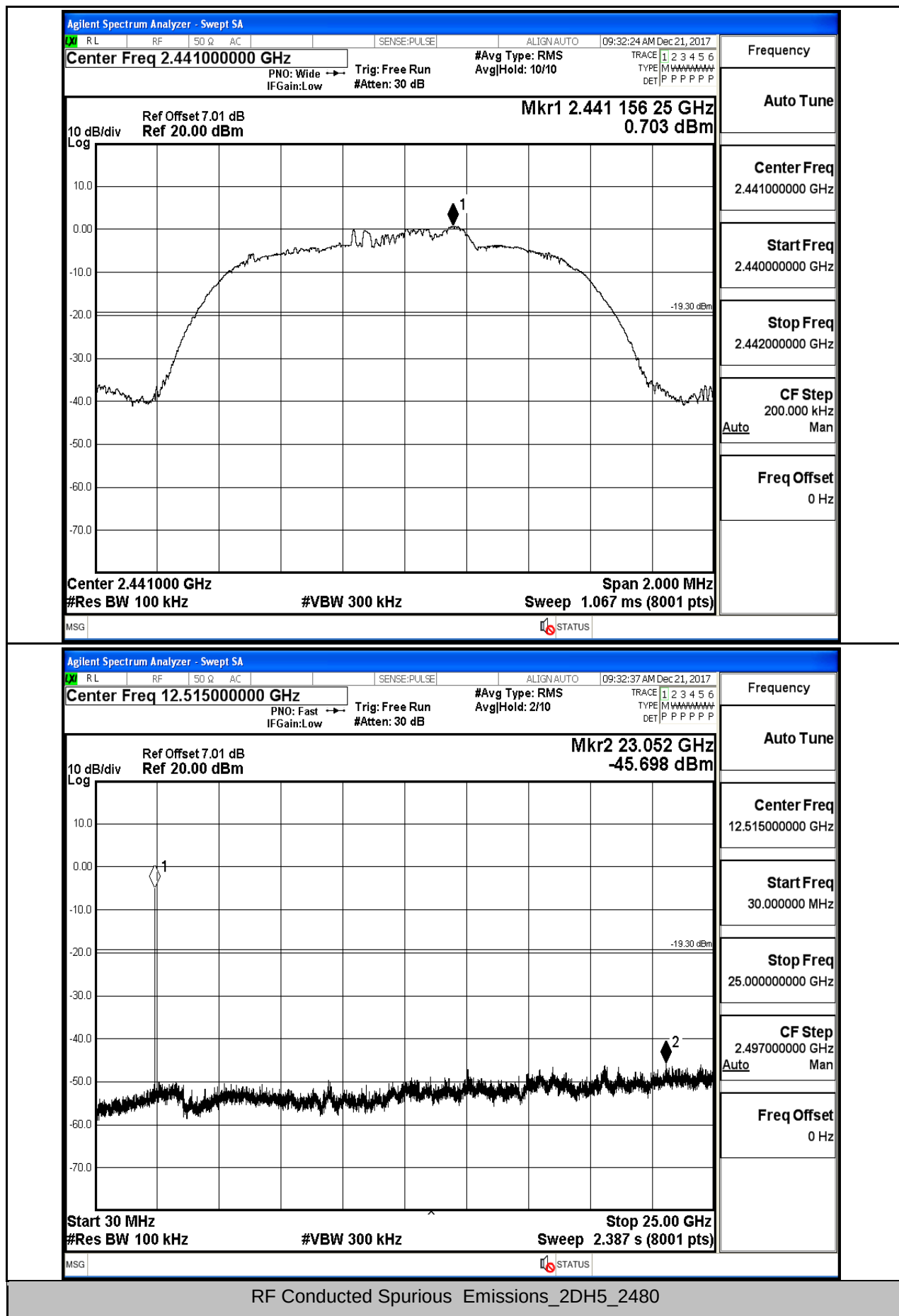


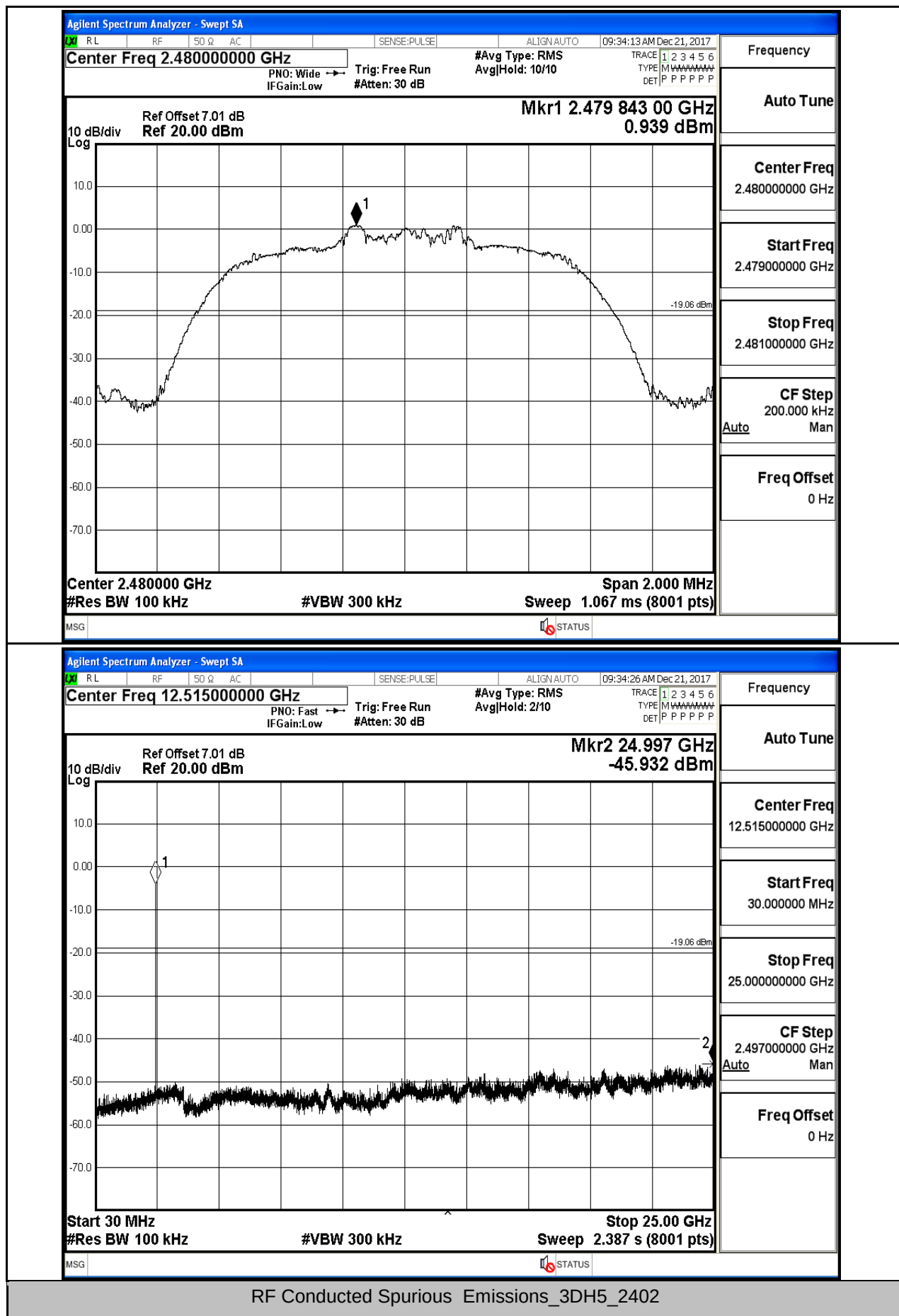
RF Conducted Spurious Emissions_DH5_2441

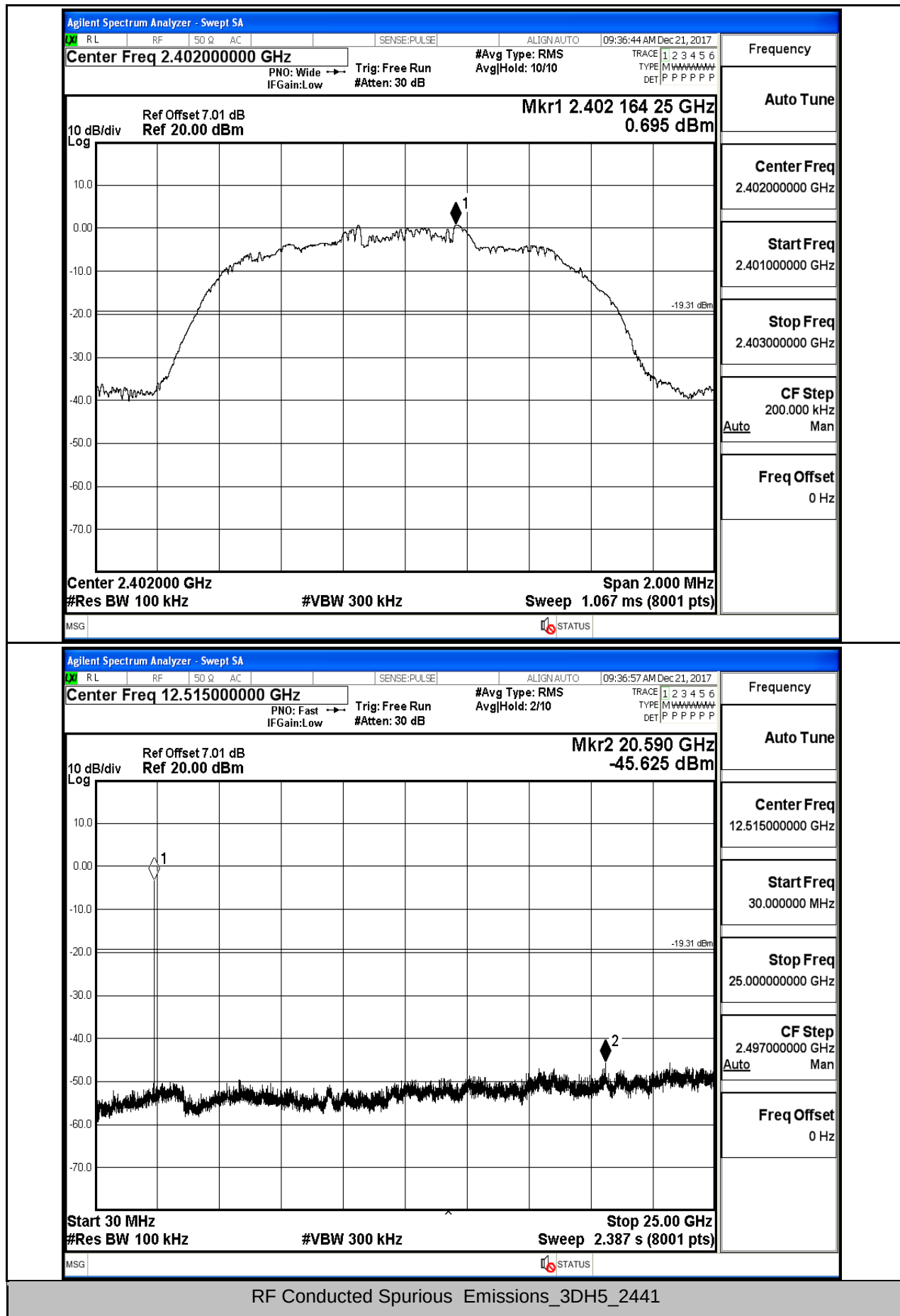


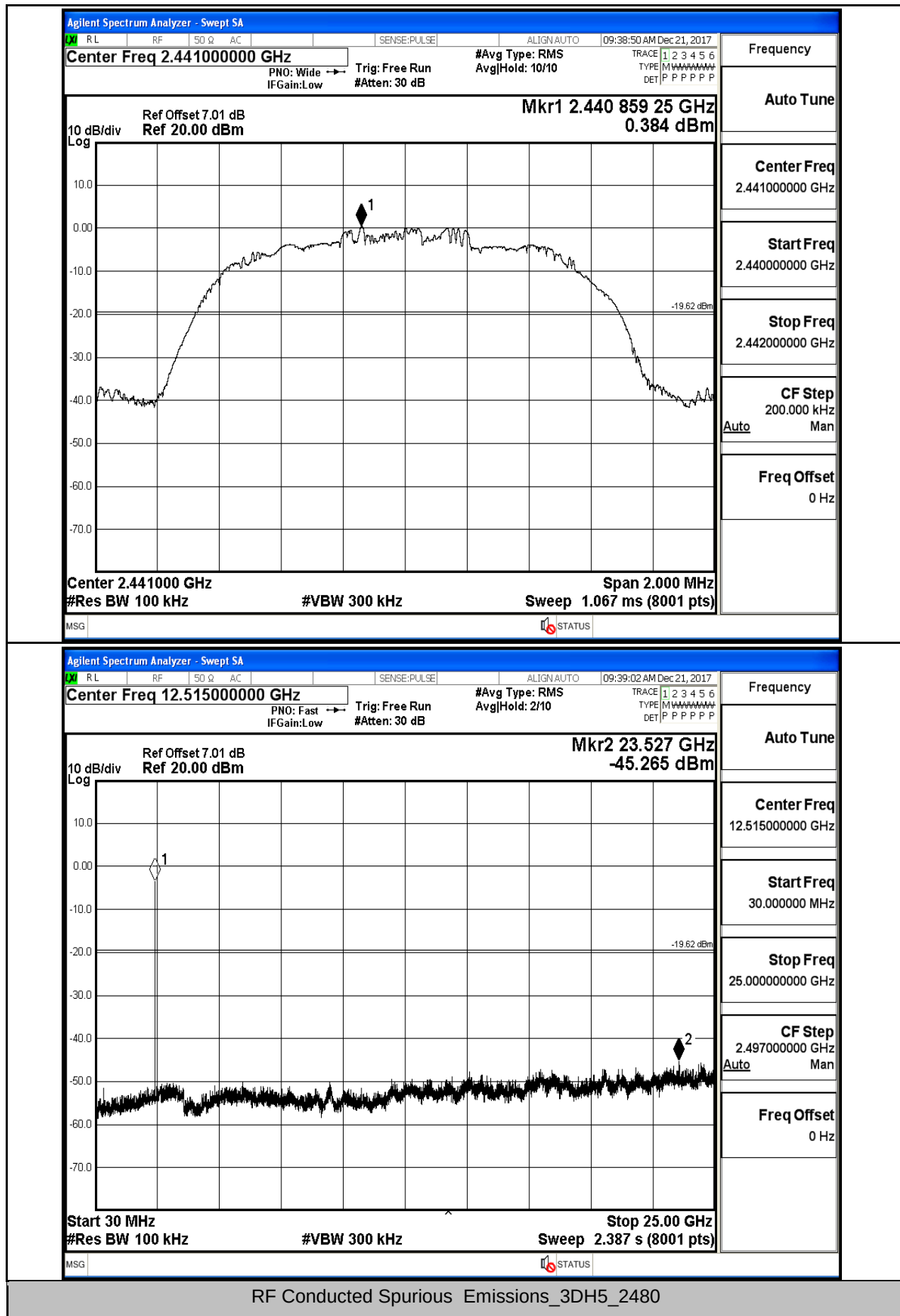


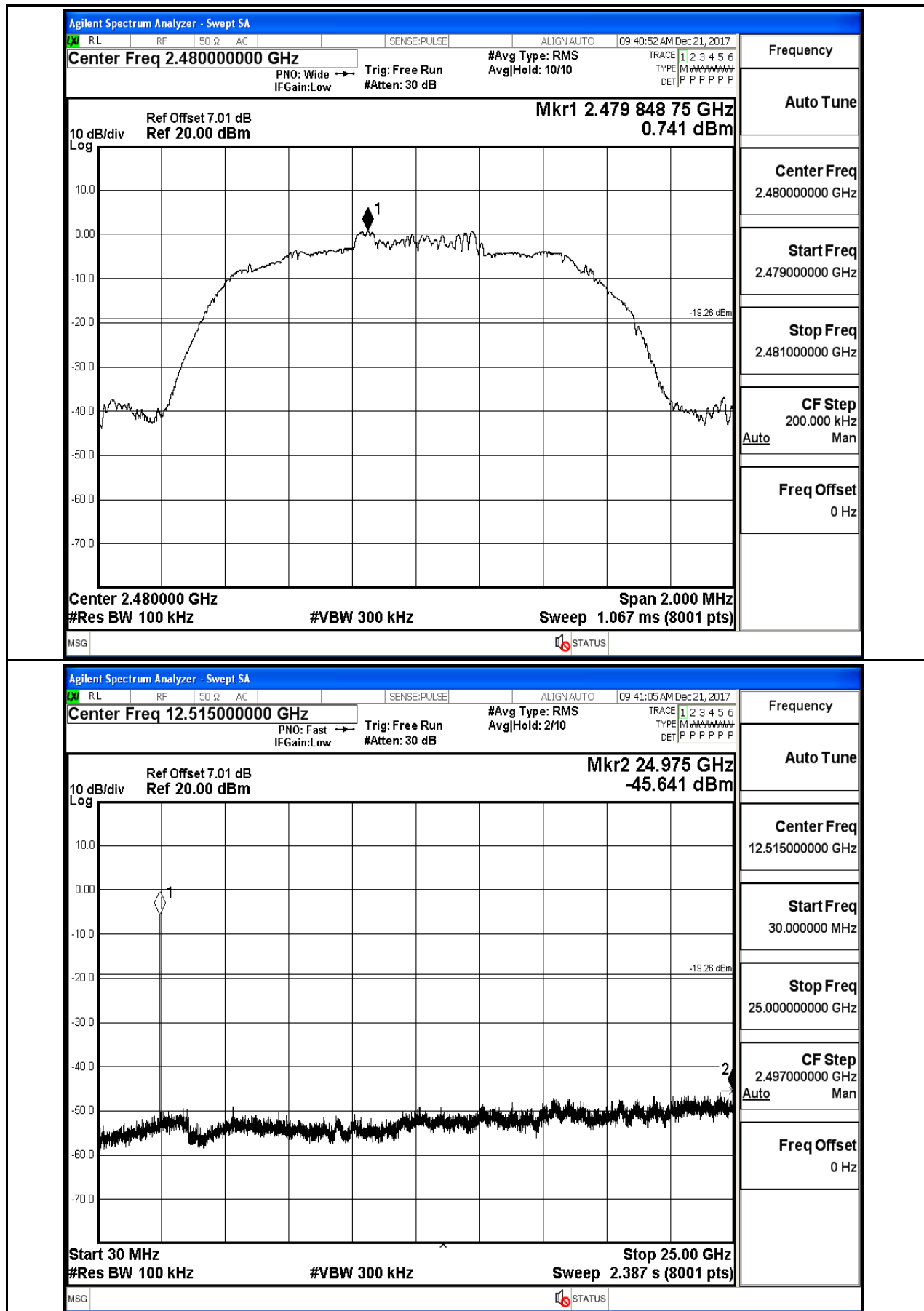












9.Restrict-band band-edge measurements

Test Mode	Hopping	Freq.	Power [dBm]	Gain	Ground Factor	E [dBuV/m]	Detector	Limit [dBuV/m]	Verdict
DH5	On	2310.0	-44.55	2	0	52.65	PEAK	74	PASS
DH5	On	2310.0	-55.37	2	0	41.83	AV	54	PASS
DH5	On	2390.0	-43.86	2	0	53.34	PEAK	74	PASS
DH5	On	2390.0	-55.10	2	0	42.10	AV	54	PASS
DH5	On	2483.5	-43.66	2	0	53.54	PEAK	74	PASS
DH5	On	2483.5	-54.78	2	0	42.42	AV	54	PASS
DH5	On	2500.0	-44.09	2	0	53.11	PEAK	74	PASS
DH5	On	2500.0	-54.71	2	0	42.49	AV	54	PASS
2DH5	On	2310.0	-45.07	2	0	52.13	PEAK	74	PASS
2DH5	On	2310.0	-55.35	2	0	41.85	AV	54	PASS
2DH5	On	2390.0	-44.37	2	0	52.83	PEAK	74	PASS
2DH5	On	2390.0	-55.09	2	0	42.11	AV	54	PASS
2DH5	On	2483.5	-44.69	2	0	52.51	PEAK	74	PASS
2DH5	On	2483.5	-54.73	2	0	42.47	AV	54	PASS
2DH5	On	2500.0	-43.61	2	0	53.59	PEAK	74	PASS
2DH5	On	2500.0	-54.74	2	0	42.46	AV	54	PASS
3DH5	On	2310.0	-44.95	2	0	52.25	PEAK	74	PASS
3DH5	On	2310.0	-55.32	2	0	41.88	AV	54	PASS
3DH5	On	2390.0	-43.98	2	0	53.22	PEAK	74	PASS
3DH5	On	2390.0	-55.05	2	0	42.15	AV	54	PASS
3DH5	On	2483.5	-45.29	2	0	51.91	PEAK	74	PASS
3DH5	On	2483.5	-54.69	2	0	42.51	AV	54	PASS
3DH5	On	2500.0	-44.23	2	0	52.97	PEAK	74	PASS
3DH5	On	2500.0	-54.73	2	0	42.47	AV	54	PASS