



Appendix A for SHEM191202012501

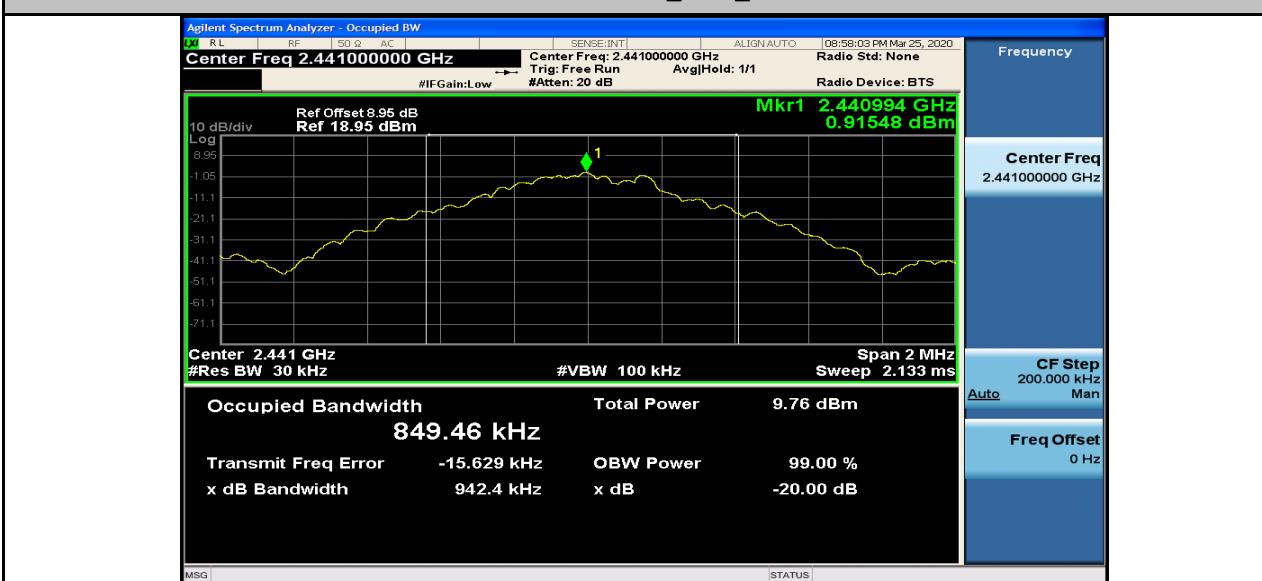
1.20 dB Bandwidth

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
DH5	2402	0.95	---	PASS
DH5	2441	0.94	---	PASS
DH5	2480	0.95	---	PASS
2DH5	2402	1.26	---	PASS
2DH5	2441	1.23	---	PASS
2DH5	2480	1.23	---	PASS
3DH5	2402	1.28	---	PASS
3DH5	2441	1.26	---	PASS
3DH5	2480	1.26	---	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
DH5	2402	0.87	---	PASS
DH5	2441	0.86	---	PASS
DH5	2480	0.86	---	PASS
2DH5	2402	1.17	---	PASS
2DH5	2441	1.16	---	PASS
2DH5	2480	1.17	---	PASS
3DH5	2402	1.16	---	PASS
3DH5	2441	1.16	---	PASS
3DH5	2480	1.16	---	PASS

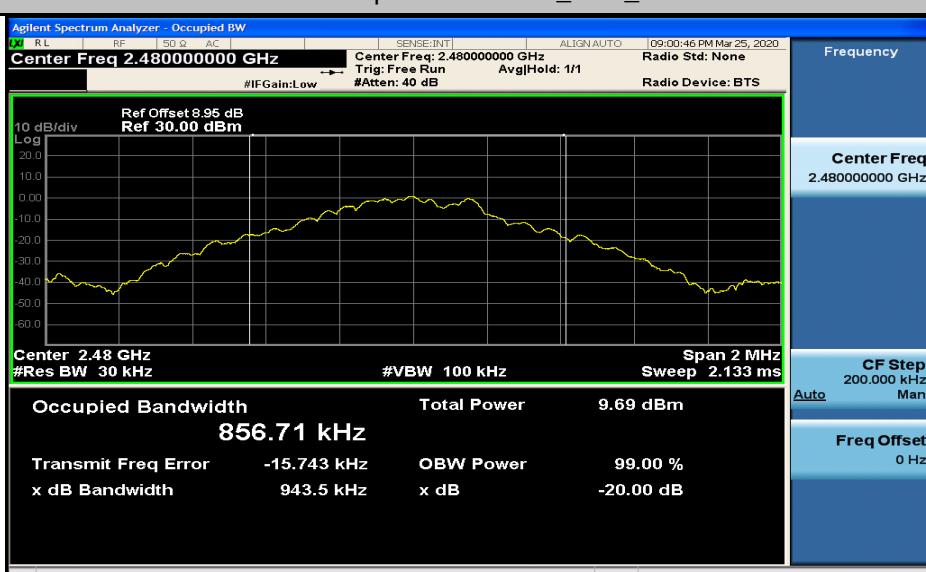
Occupied Bandwidth_DH5_2402



Occupied Bandwidth_DH5_2441



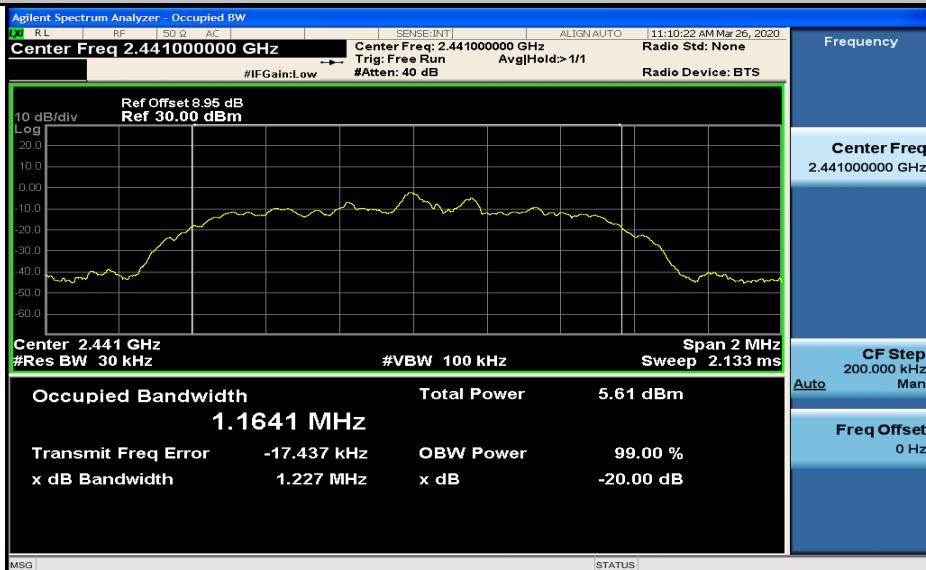
Occupied Bandwidth_DH5_2480



Occupied Bandwidth_2DH5_2402



Occupied Bandwidth_2DH5_2441



Occupied Bandwidth_2DH5_2480



Occupied Bandwidth_3DH5_2402



Occupied Bandwidth_3DH5_2441



Occupied Bandwidth_3DH5_2480





3.Conducted Peak Output Power

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
DH5	2402	-1.57	21	PASS
DH5	2441	2.16	21	PASS
DH5	2480	2.24	21	PASS
2DH5	2402	-4.79	21	PASS
2DH5	2441	-0.22	21	PASS
2DH5	2480	0.04	21	PASS
3DH5	2402	-4.19	21	PASS
3DH5	2441	0.1	21	PASS
3DH5	2480	0.36	21	PASS

Conducted Peak Output Power_DH5_2402



Conducted Peak Output Power_DH5_2441



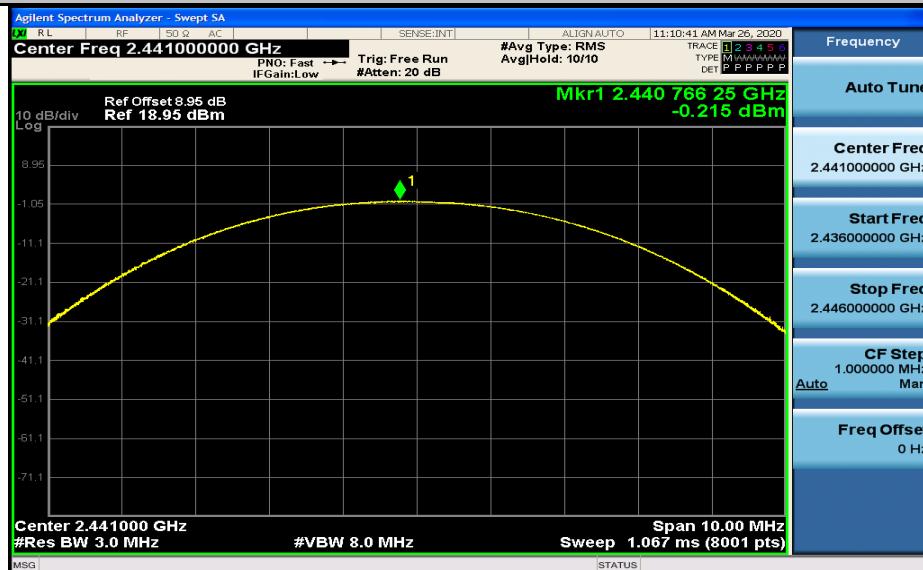
Conducted Peak Output Power_DH5_2480



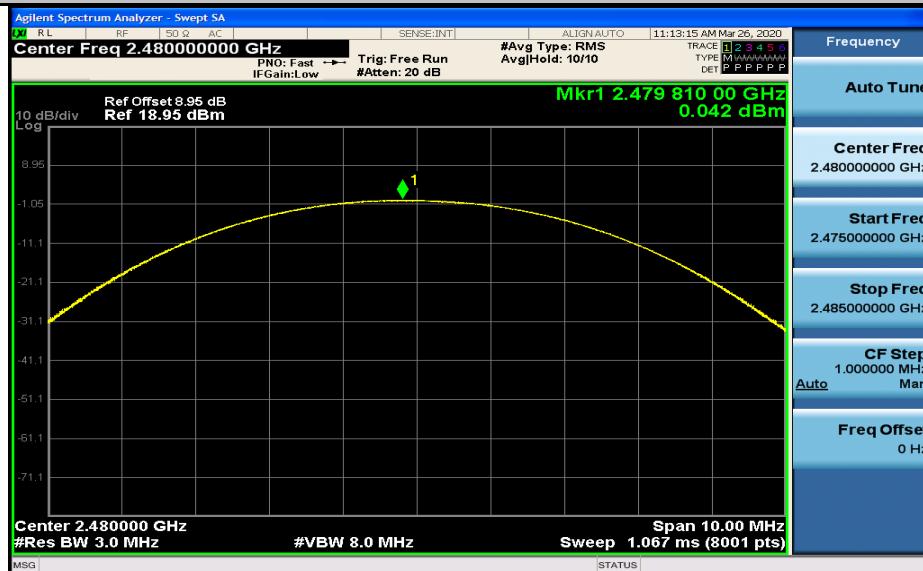
Conducted Peak Output Power_2DH5_2402

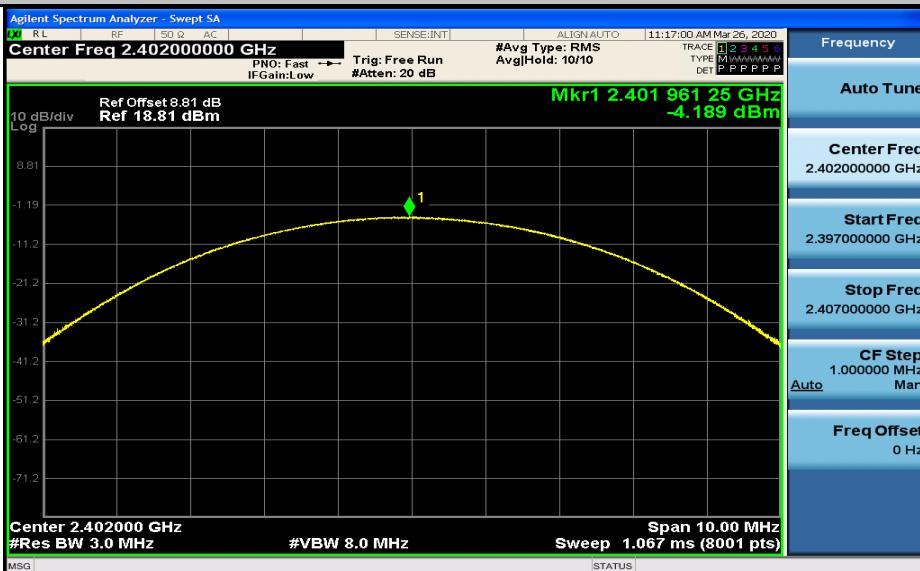
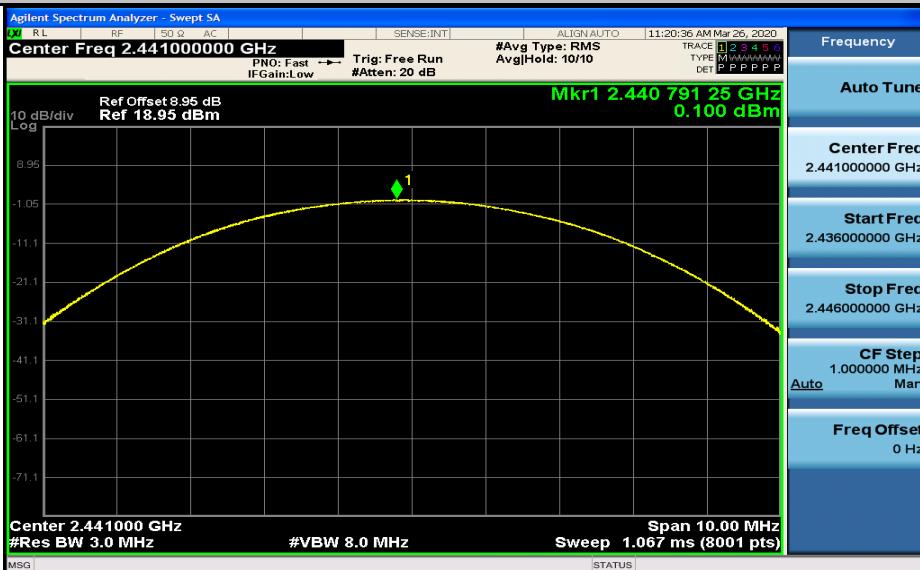
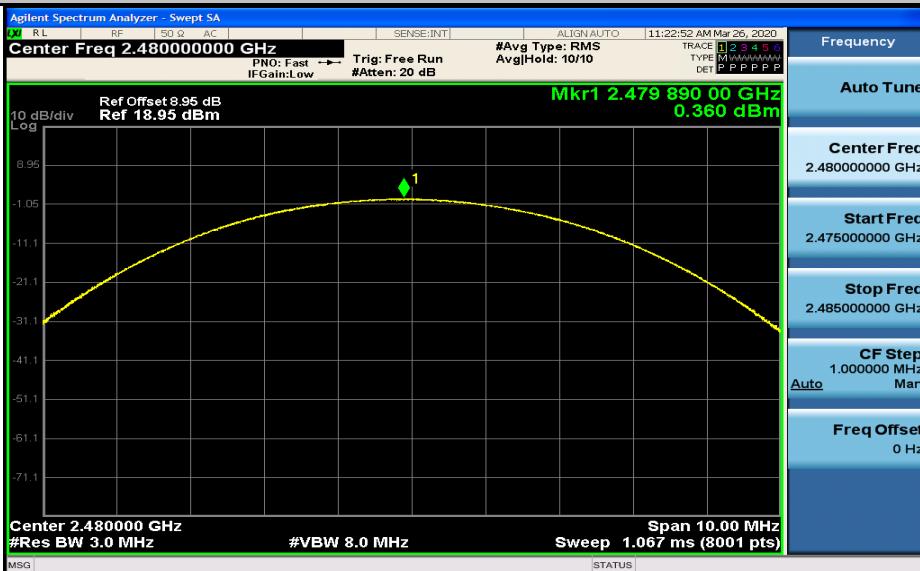


Conducted Peak Output Power_2DH5_2441



Conducted Peak Output Power_2DH5_2480



Conducted Peak Output Power_3DH5_2402**Conducted Peak Output Power_3DH5_2441****Conducted Peak Output Power_3DH5_2480**



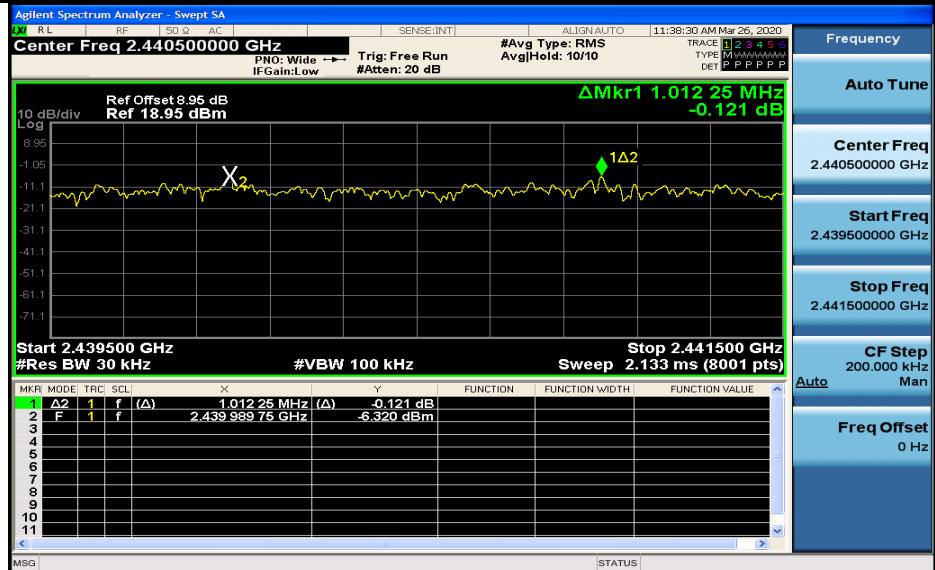
4.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	2441	1.17	0.63	PASS
2DH5	2441	1.01	0.82	PASS
3DH5	2441	1.04	0.84	PASS

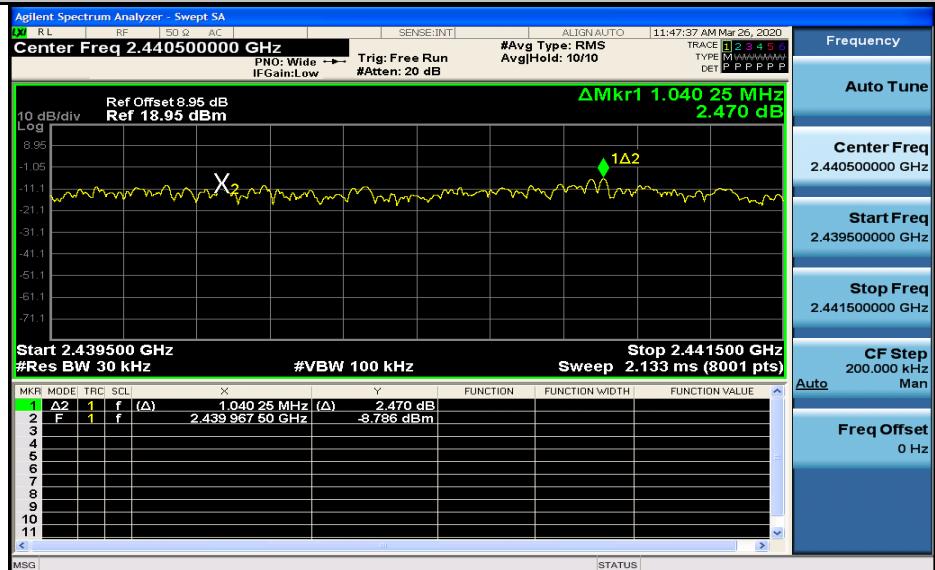
Carrier Frequency Separation_DH5_2441



Carrier Frequency Separation_2DH5_2441



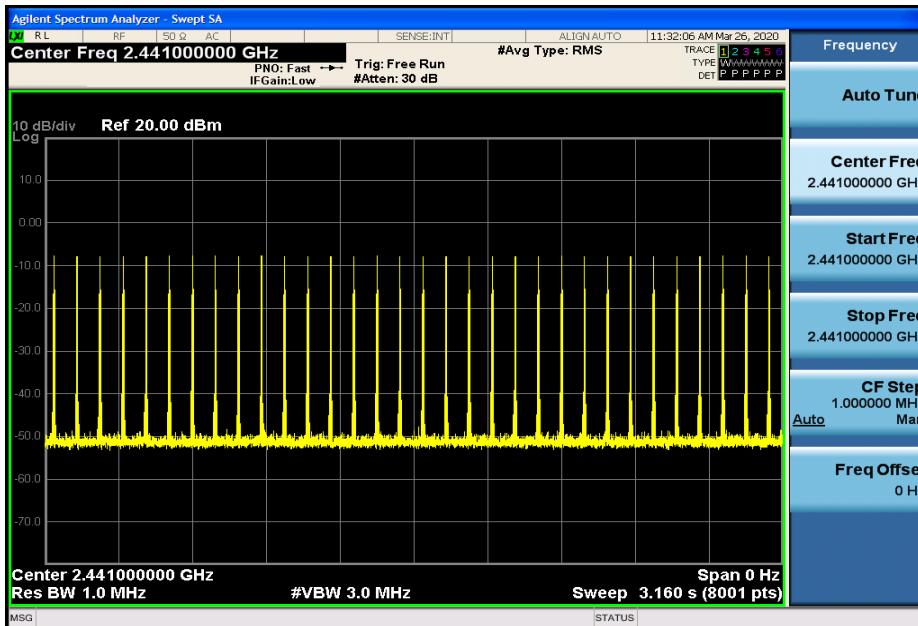
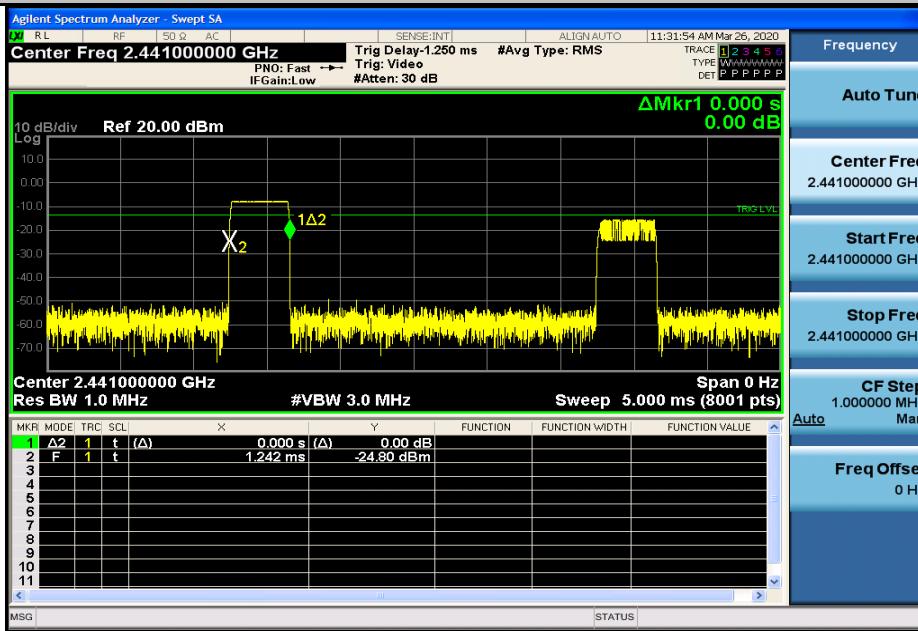
Carrier Frequency Separation_3DH5_2441



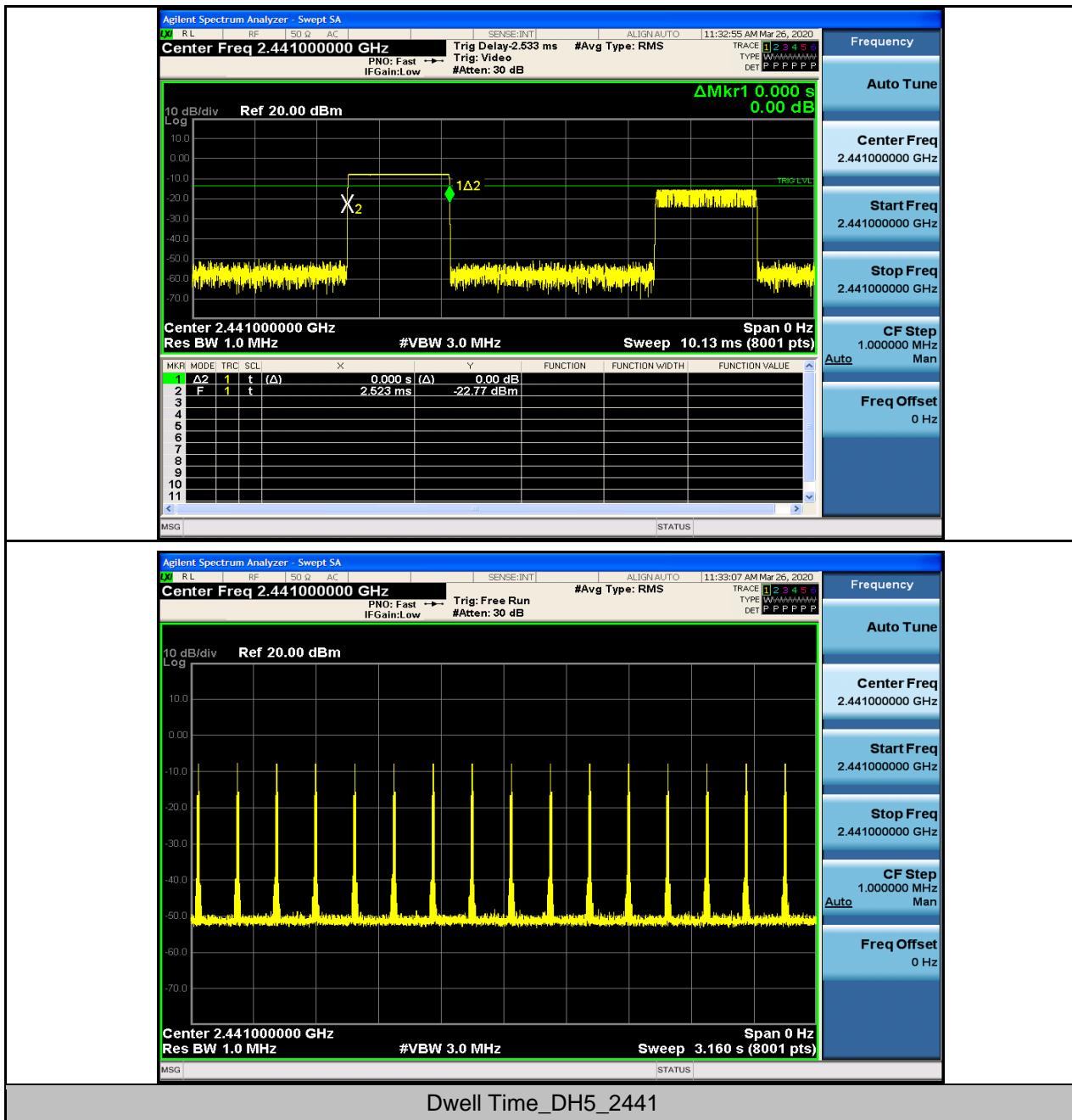
5.Dwell Time

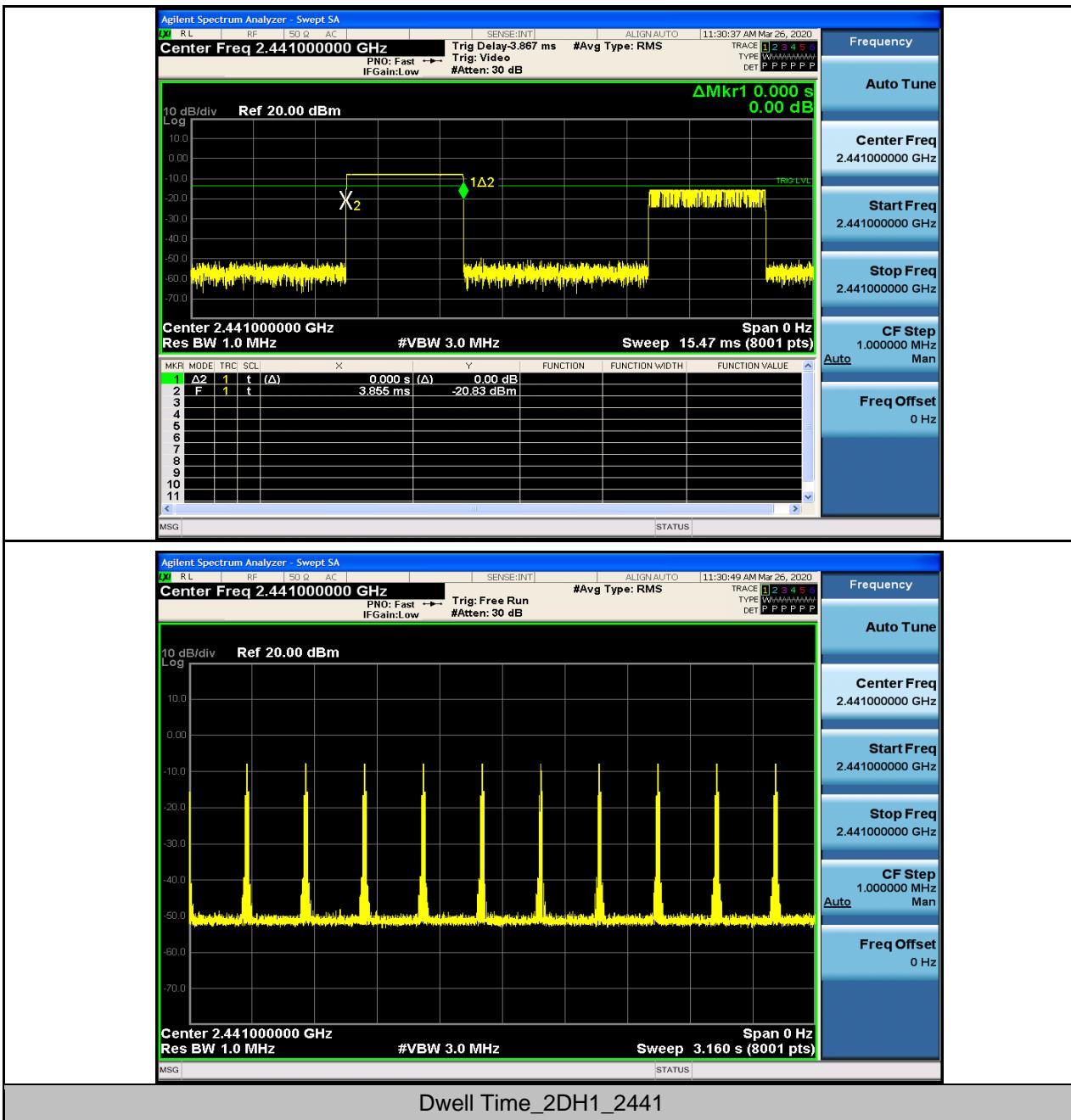
Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
DH1	2441	0.41	320	0.13	0.4	PASS
DH3	2441	1.67	160	0.27	0.4	PASS
DH5	2441	2.91	100	0.29	0.4	PASS
2DH1	2441	0.42	320	0.13	0.4	PASS
2DH3	2441	1.67	160	0.27	0.4	PASS
2DH5	2441	2.92	110	0.32	0.4	PASS
3DH1	2441	0.42	310	0.13	0.4	PASS
3DH3	2441	1.67	160	0.27	0.4	PASS
3DH5	2441	2.92	110	0.32	0.4	PASS

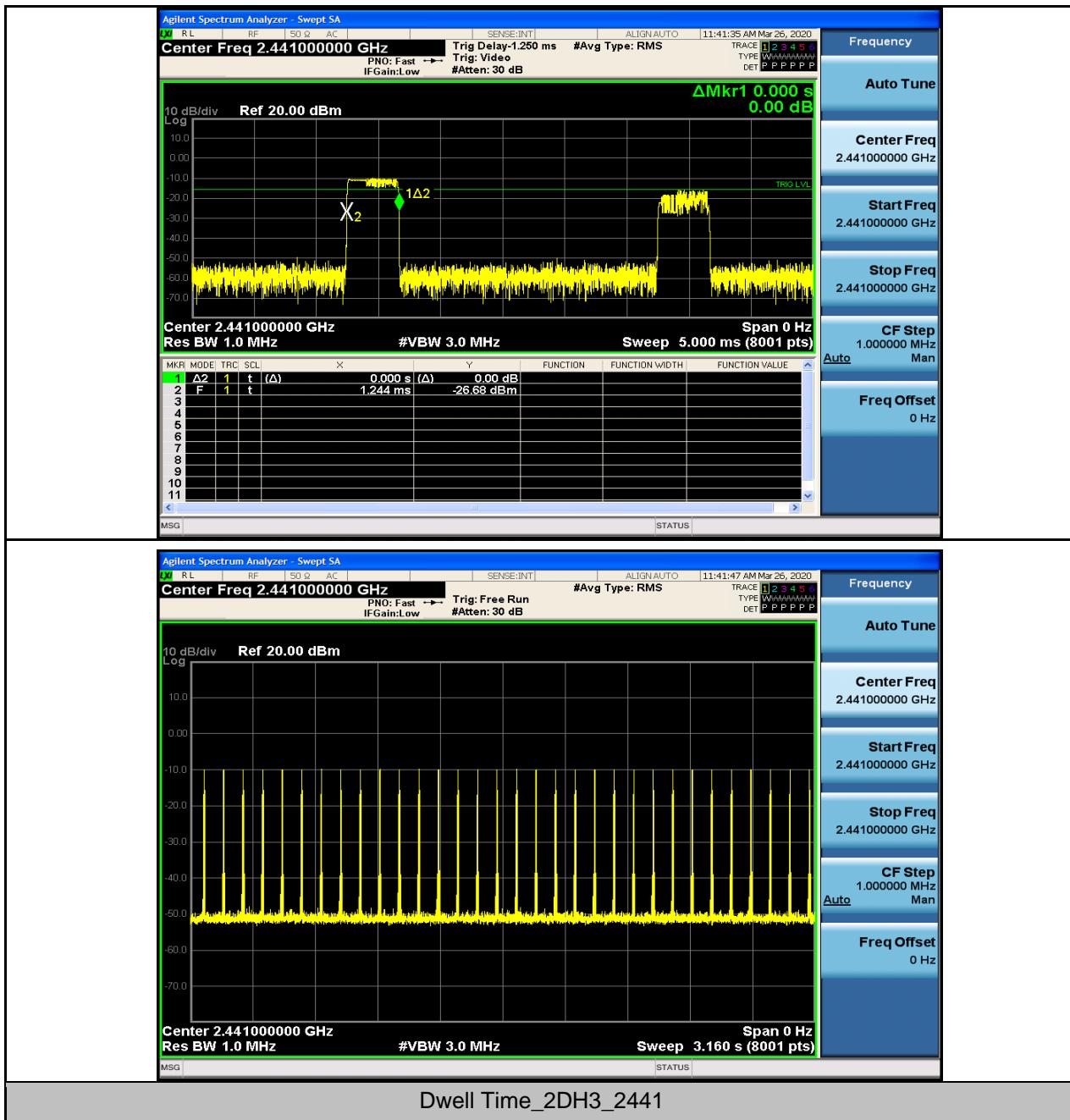
Dwell Time_DH1_2441

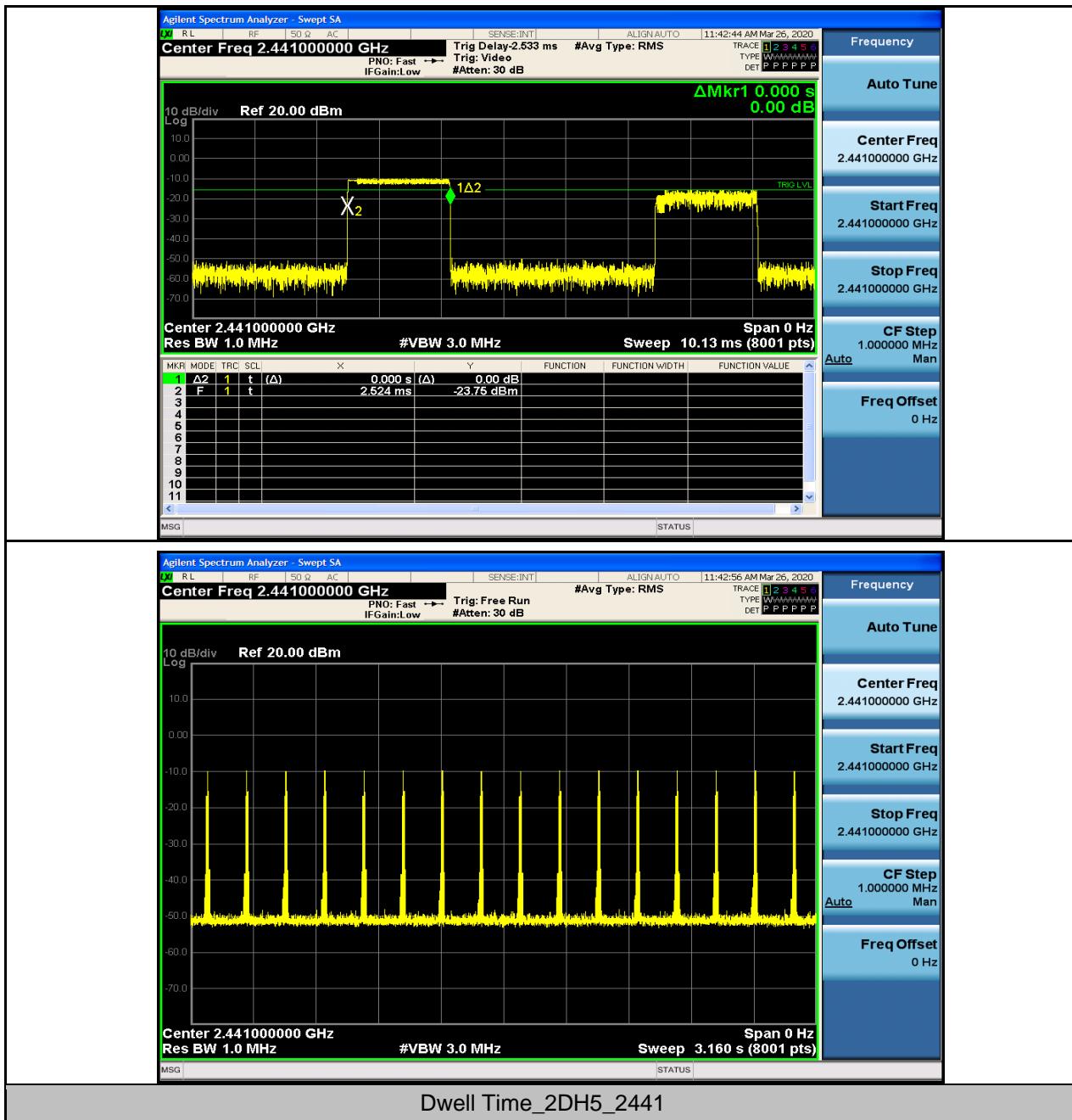


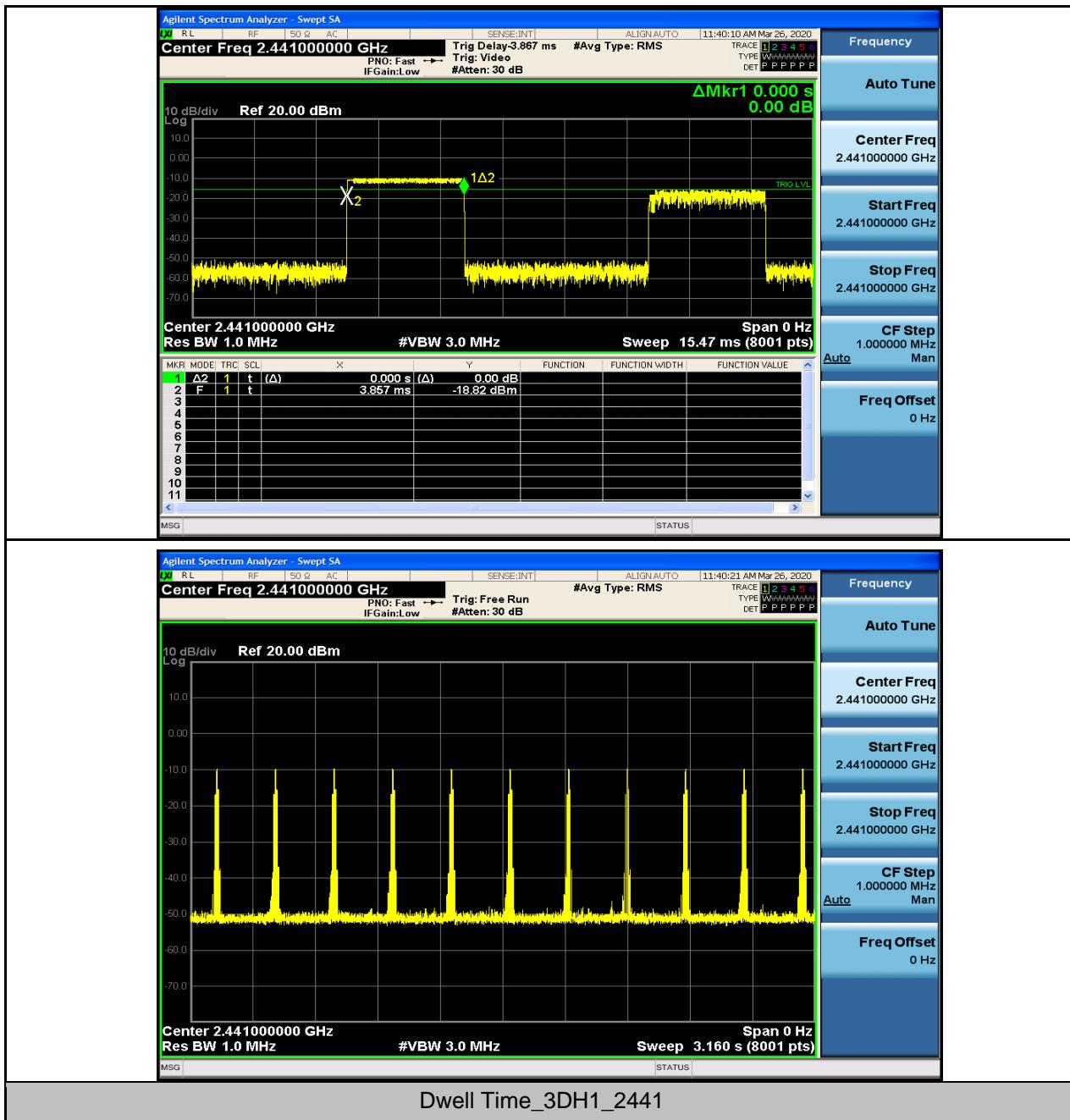
Dwell Time_DH3_2441

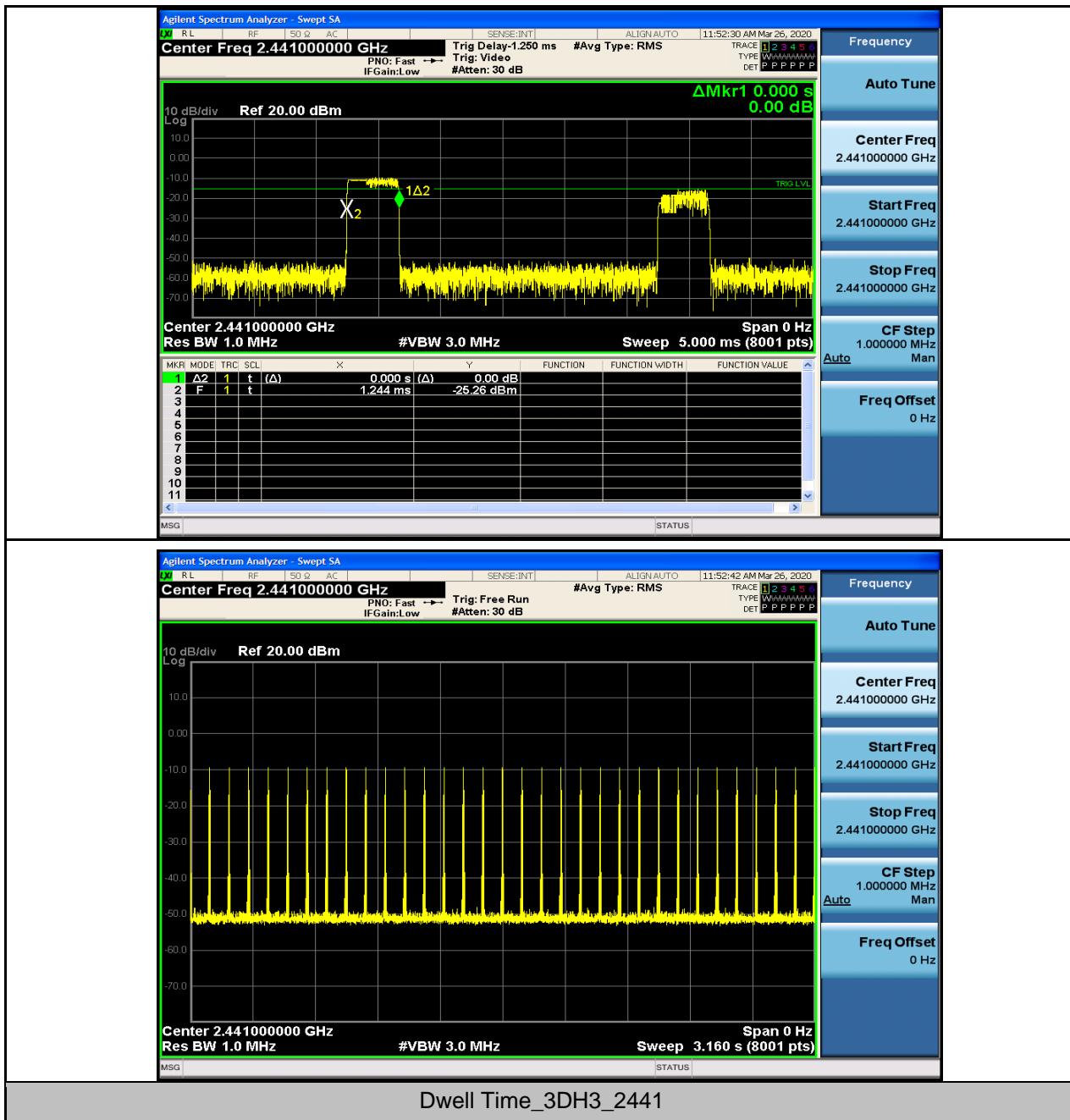


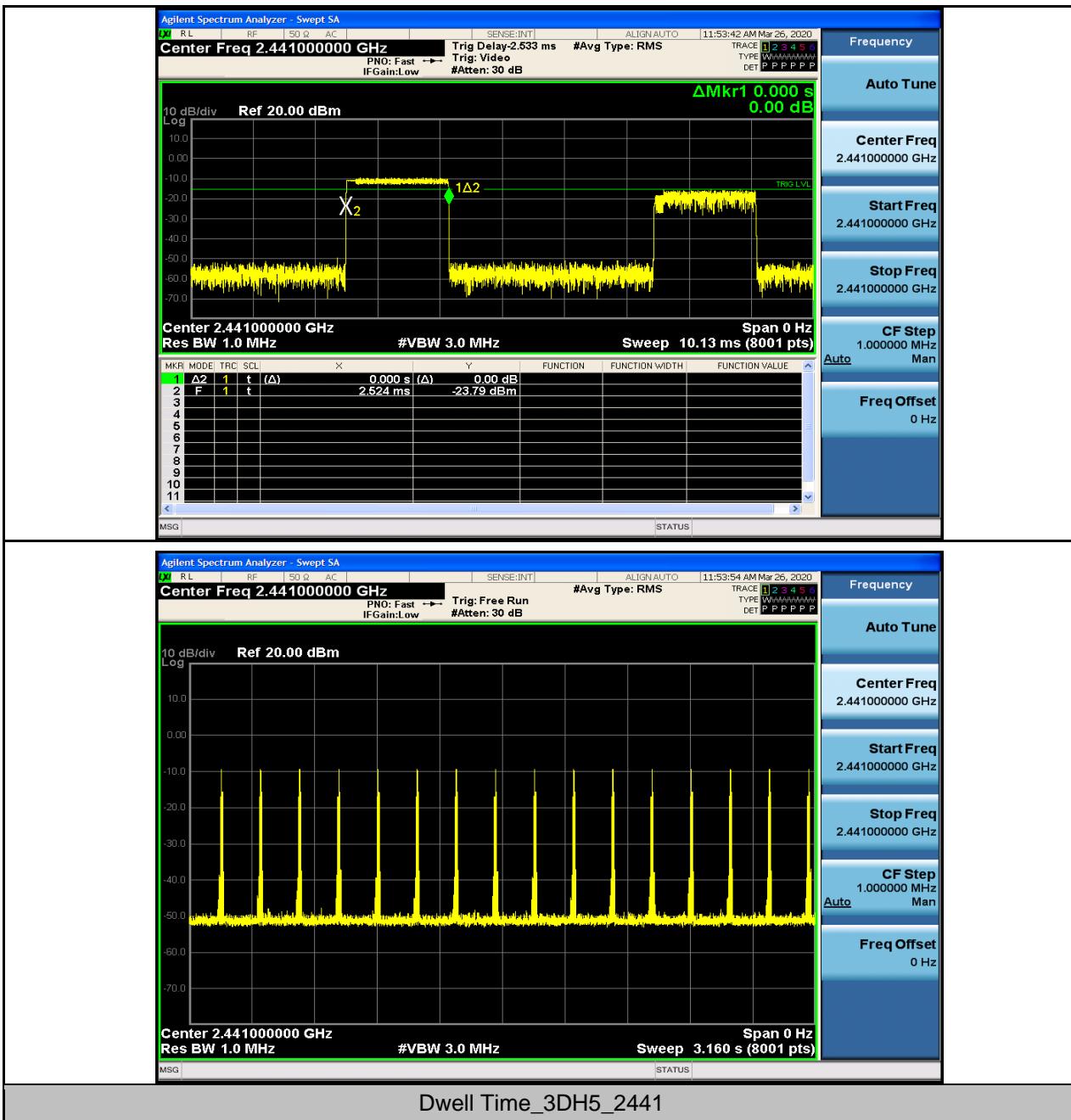


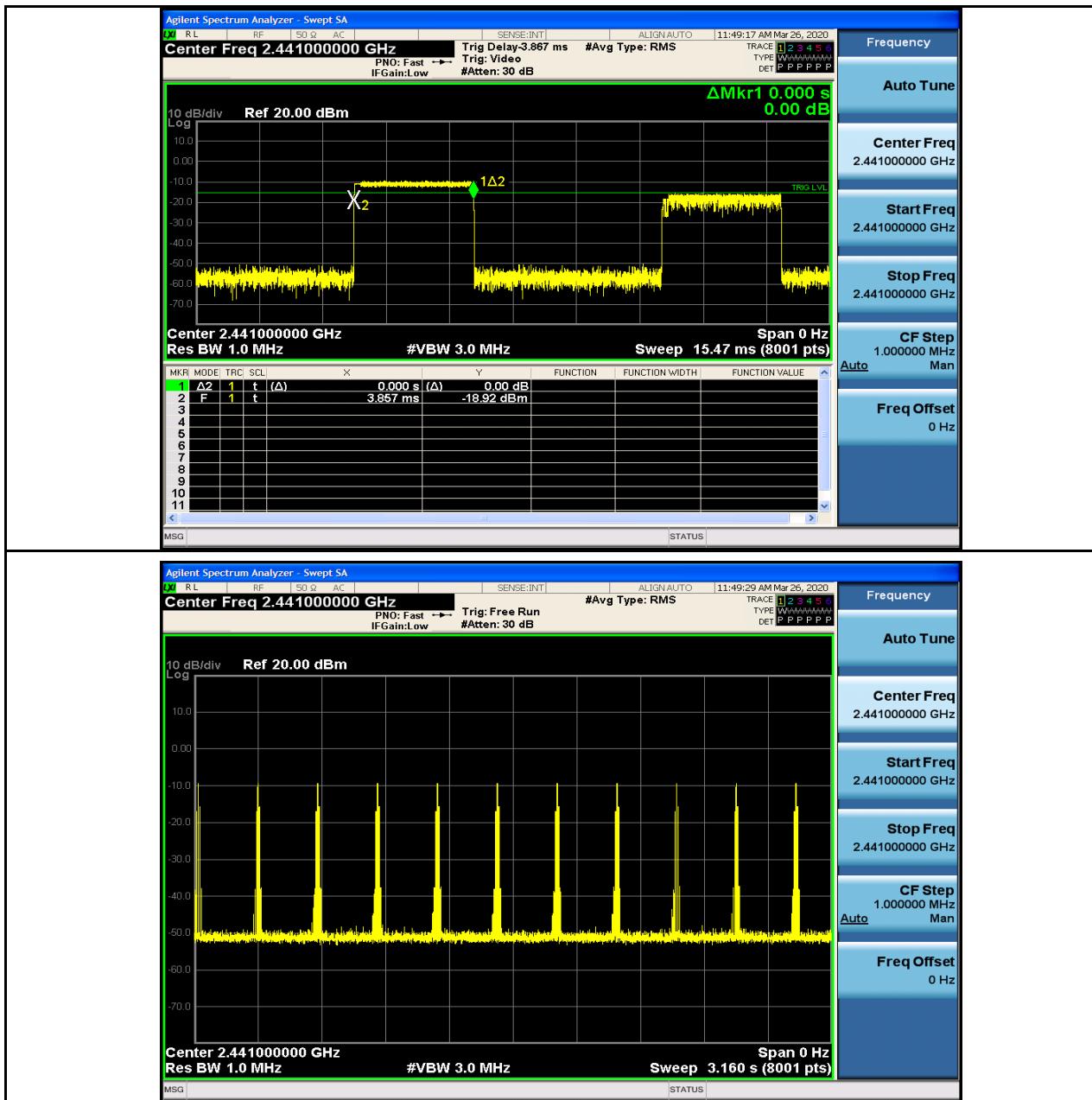








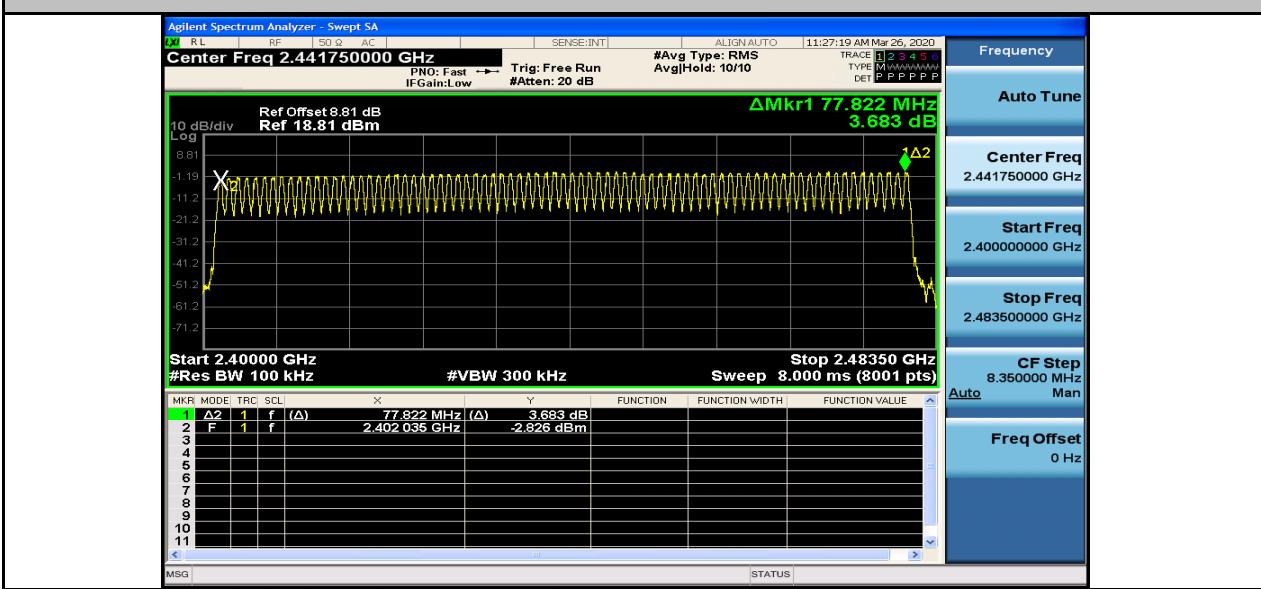




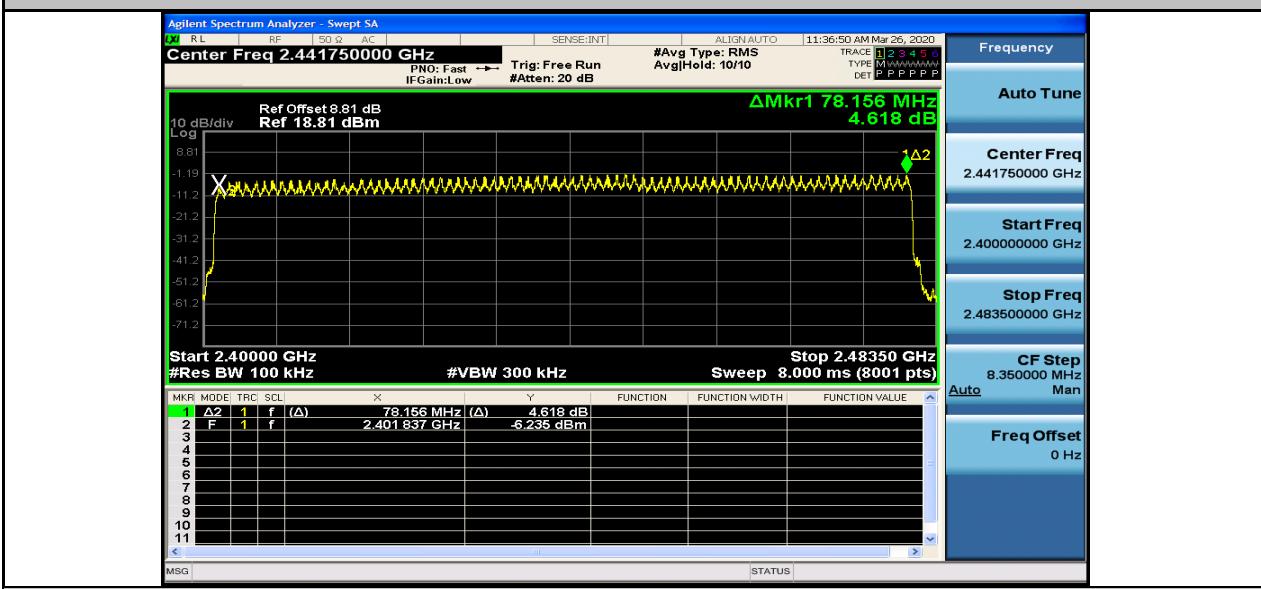
6.Hopping Channel Number

Test Mode	Number of Hopping Channel[N]	Limit[N]	Verdict
DH5	79	≥ 15	PASS
2DH5	79	≥ 15	PASS
3DH5	79	≥ 15	PASS

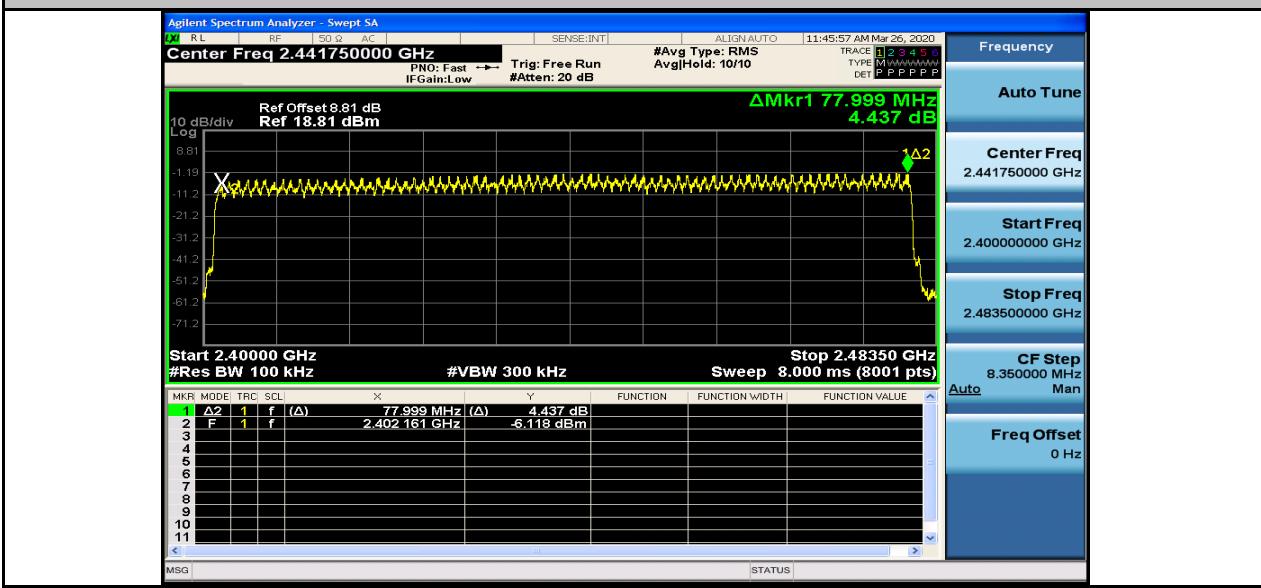
Hopping Channel Number_DH5



Hopping Channel Number_2DH5



Hopping Channel Number_3DH5





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	-1.02	-50.23	-21.02	PASS
DH5	2402	Off	-1.90	-48.96	-21.90	PASS
DH5	2480	On	1.21	-52.19	-18.79	PASS
DH5	2480	Off	2.18	-57.67	-17.82	PASS
2DH5	2402	On	-4.51	-57.47	-24.51	PASS
2DH5	2402	Off	-6.44	-55.39	-26.44	PASS
2DH5	2480	On	-1.28	-53.64	-21.28	PASS
2DH5	2480	Off	-1.30	-58.34	-21.30	PASS
3DH5	2402	On	-4.45	-57.11	-24.45	PASS
3DH5	2402	Off	-6.03	-54.27	-26.03	PASS
3DH5	2480	On	-1.36	-53.46	-21.36	PASS
3DH5	2480	Off	-1.24	-57.29	-21.24	PASS

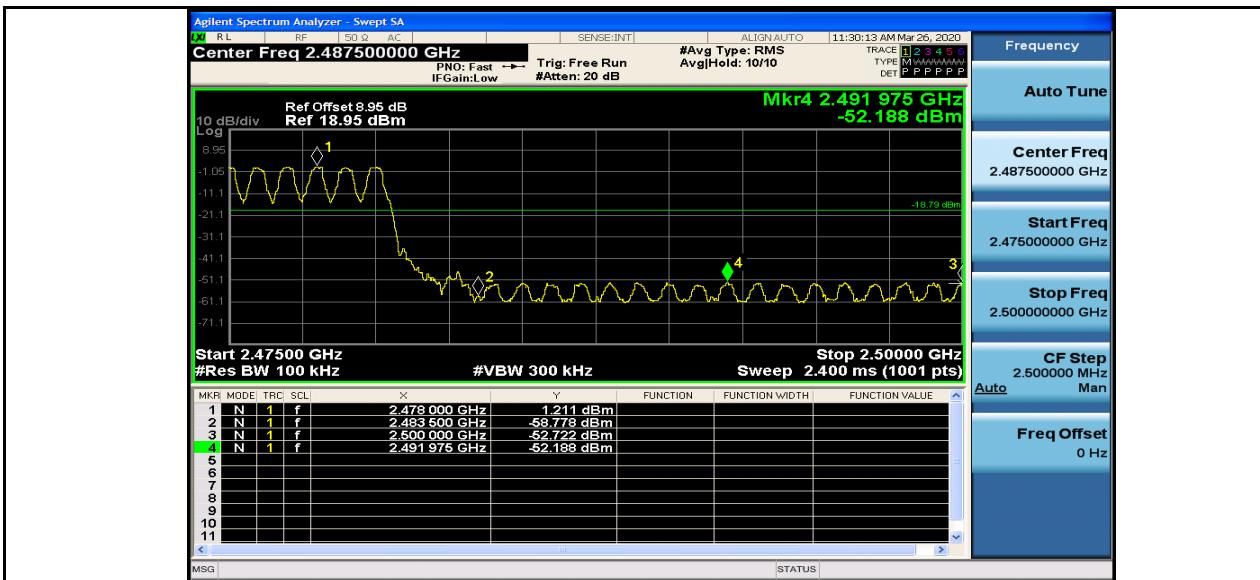
Band-edge for RF Conducted Emissions_DH5_2402_Hopping On



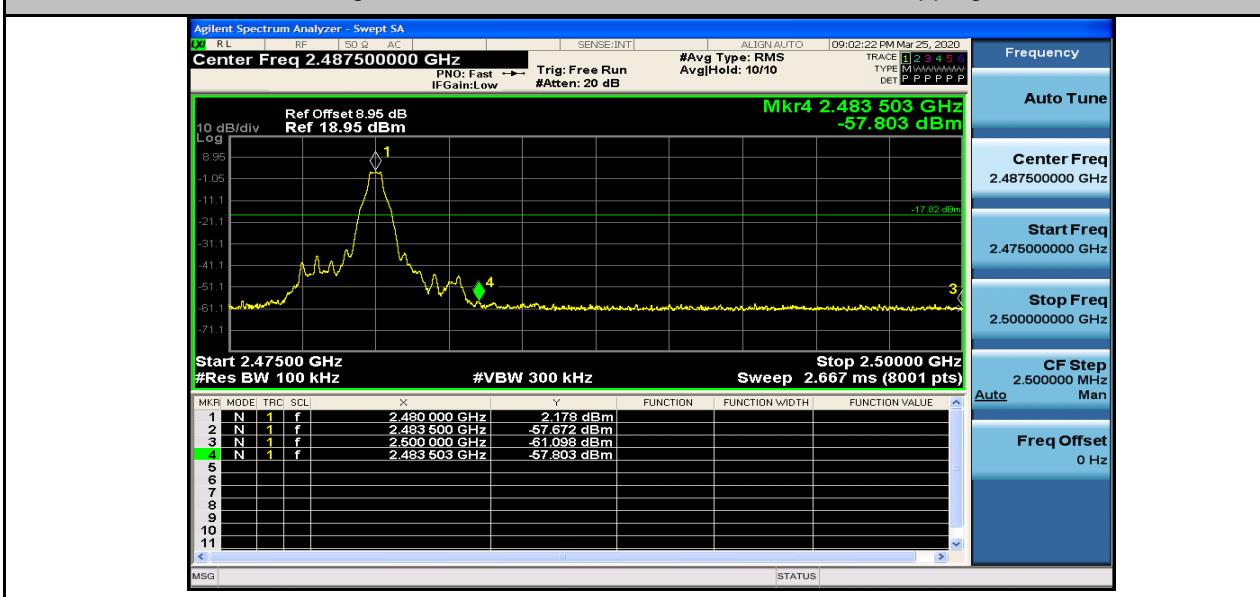
Band-edge for RF Conducted Emissions_DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_DH5_2480_Hopping On



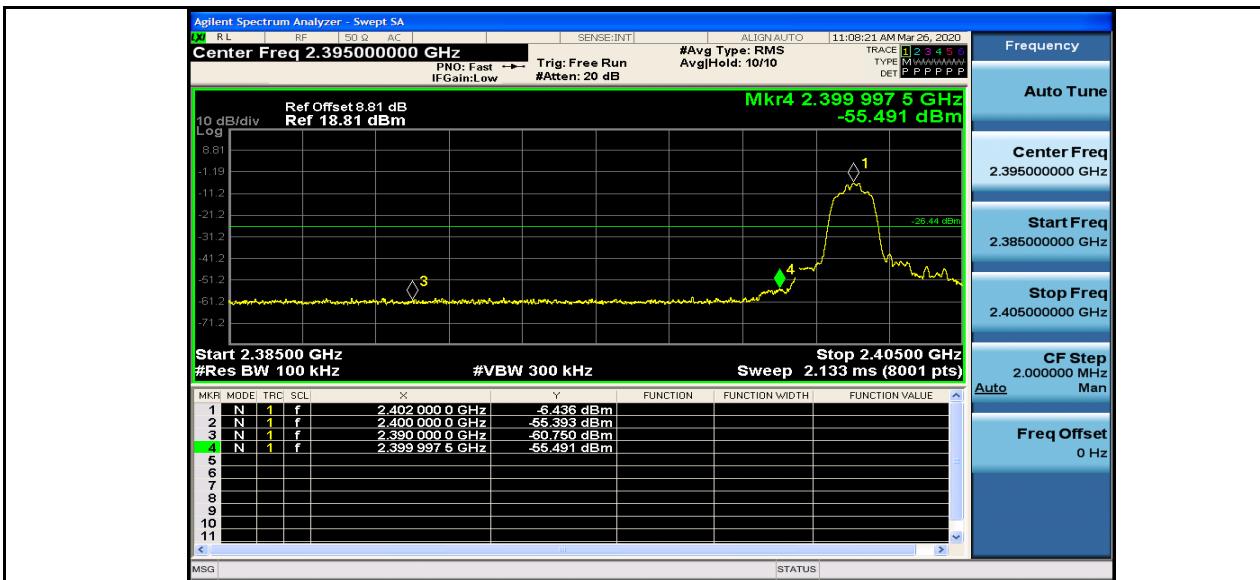
Band-edge for RF Conducted Emissions_DH5_2480_Hopping Off



Band-edge for RF Conducted Emissions_2DH5_2402_Hopping On



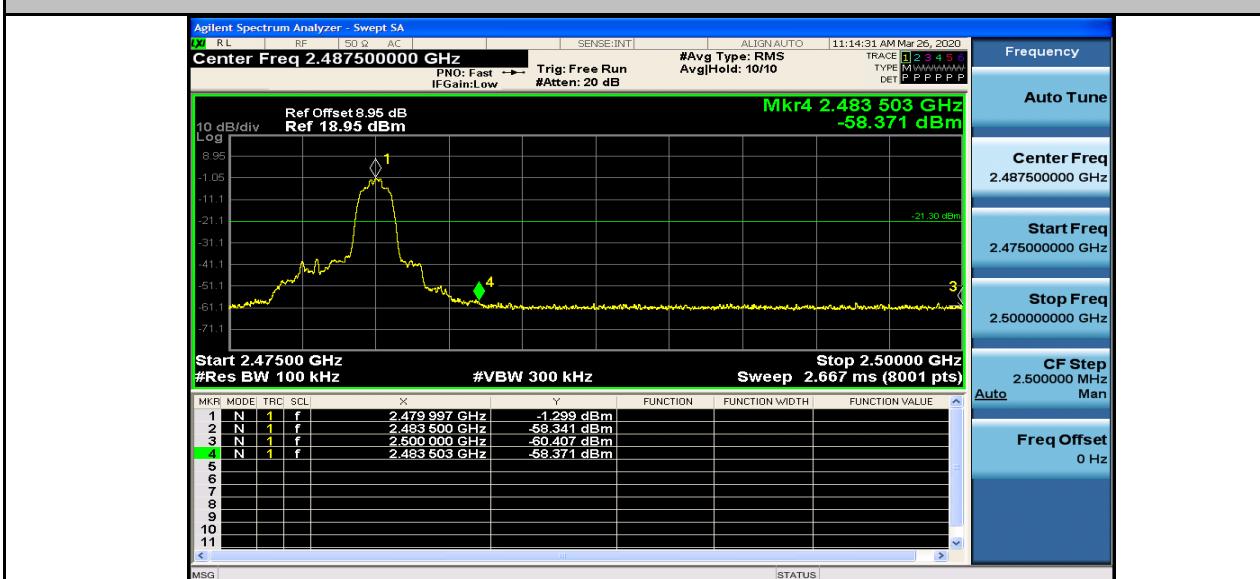
Band-edge for RF Conducted Emissions_2DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_2DH5_2480_Hopping On



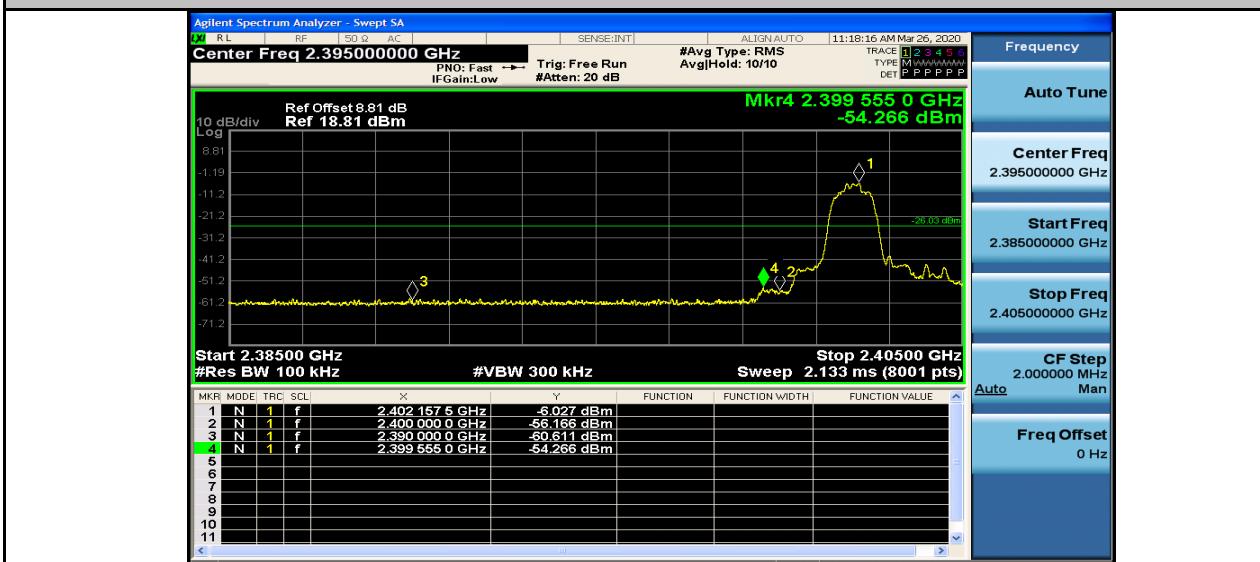
Band-edge for RF Conducted Emissions_2DH5_2480_Hopping Off



Band-edge for RF Conducted Emissions_3DH5_2402_Hopping On



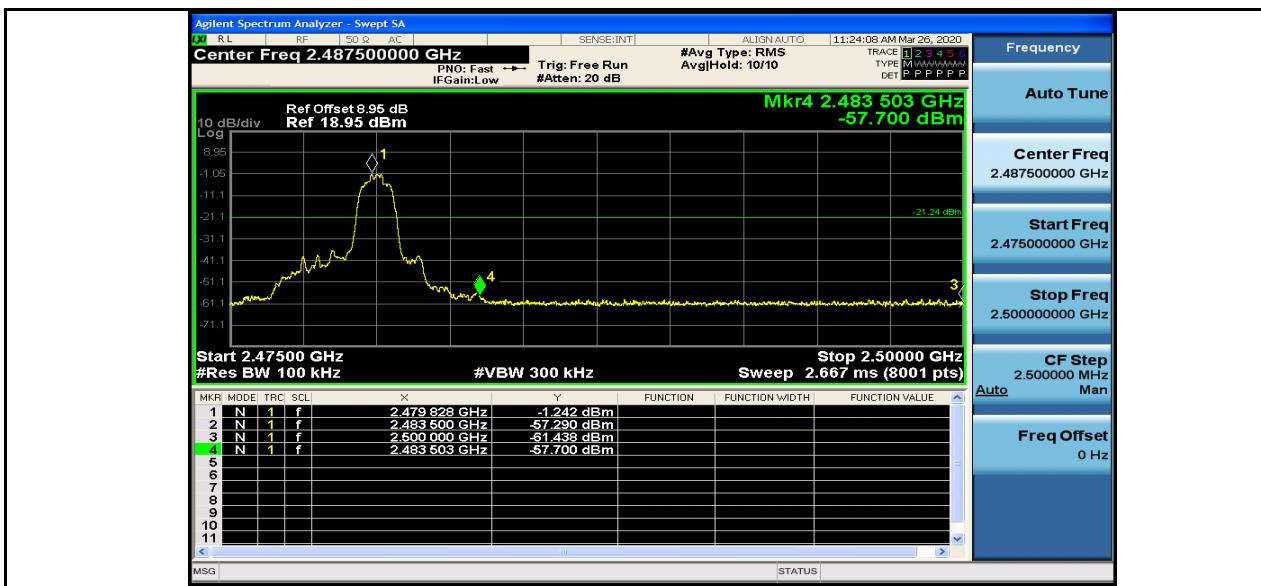
Band-edge for RF Conducted Emissions_3DH5_2402_Hopping Off



Band-edge for RF Conducted Emissions_3DH5_2480_Hopping On



Band-edge for RF Conducted Emissions_3DH5_2480_Hopping Off

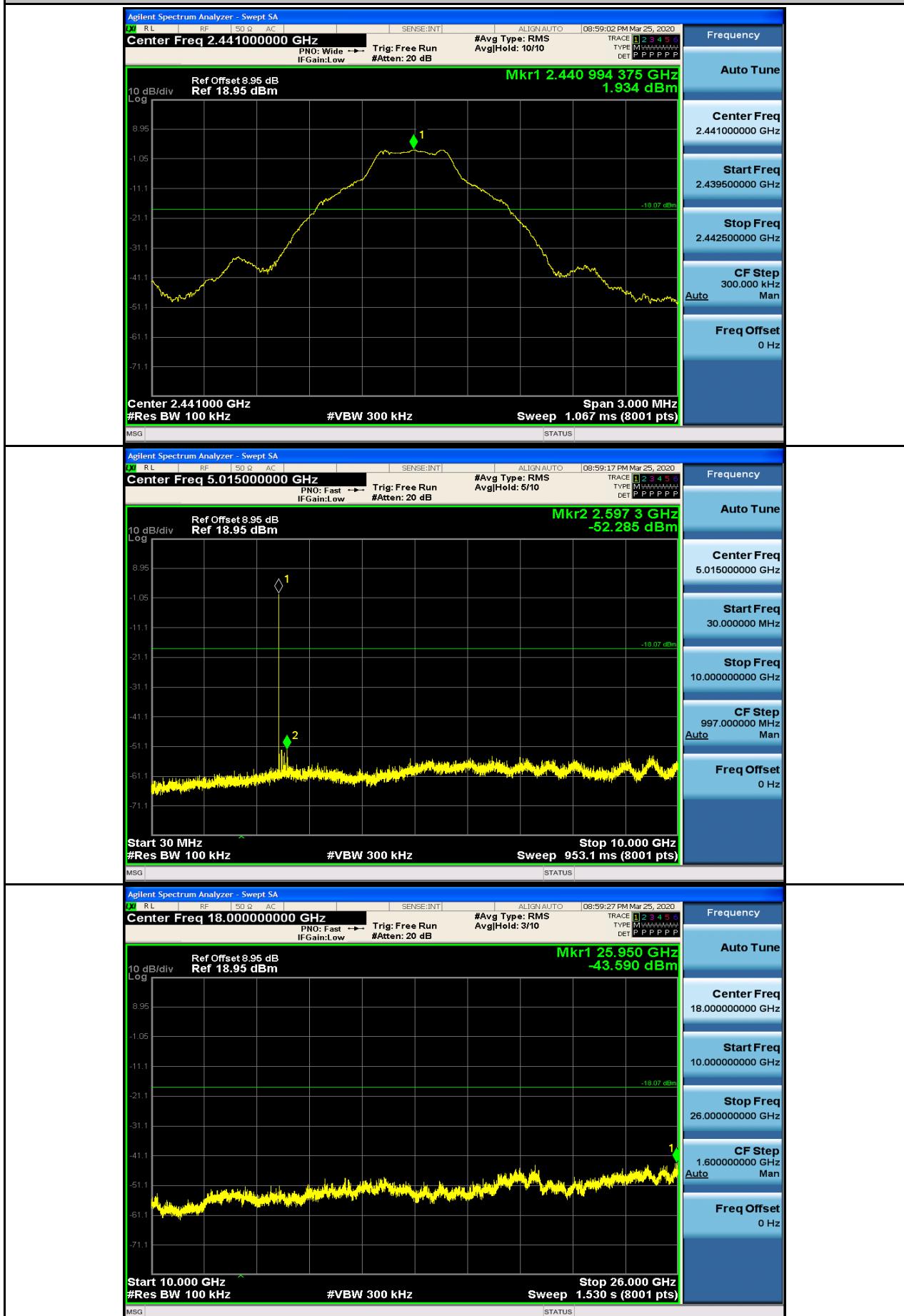


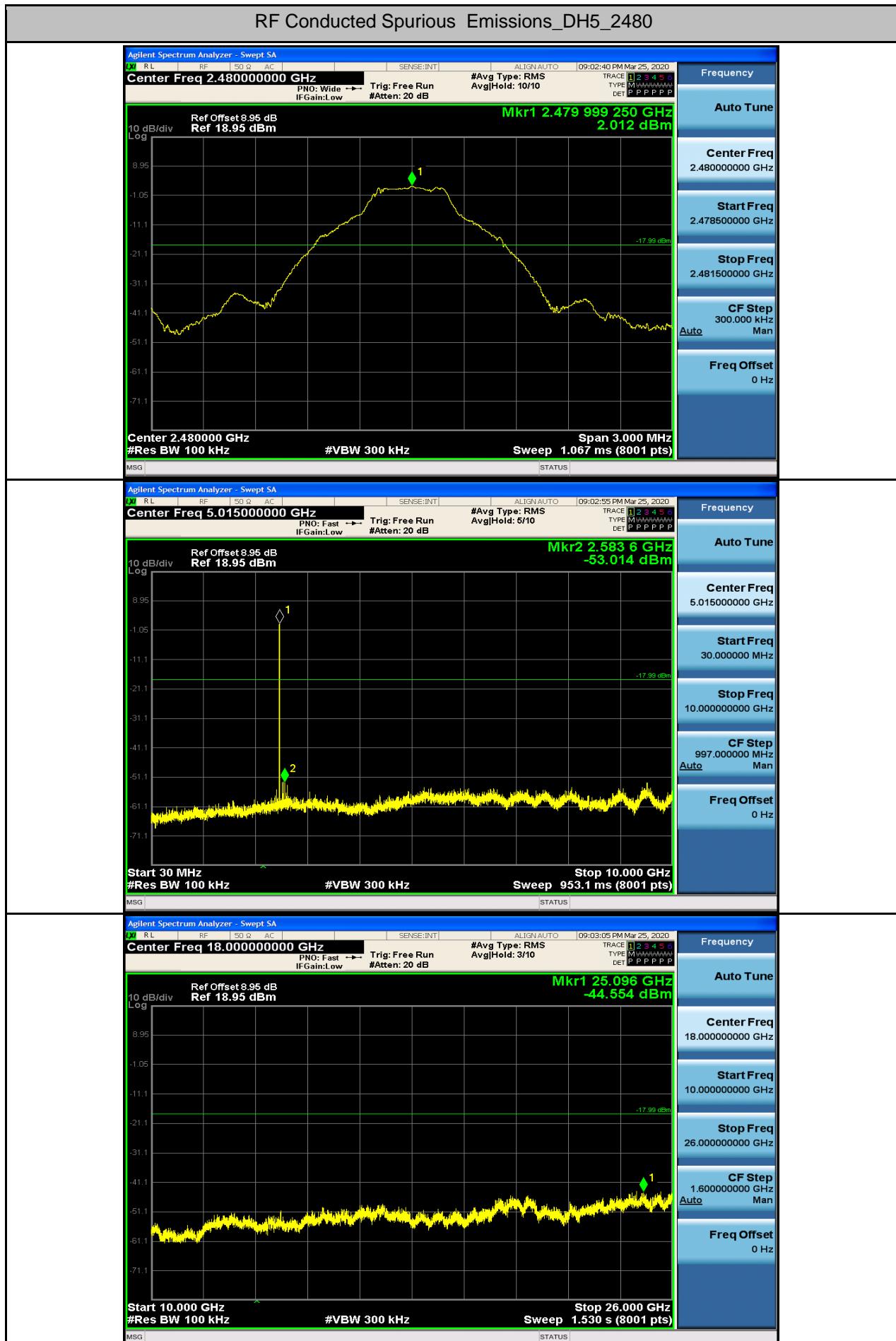
8.RF Conducted Spurious Emissions

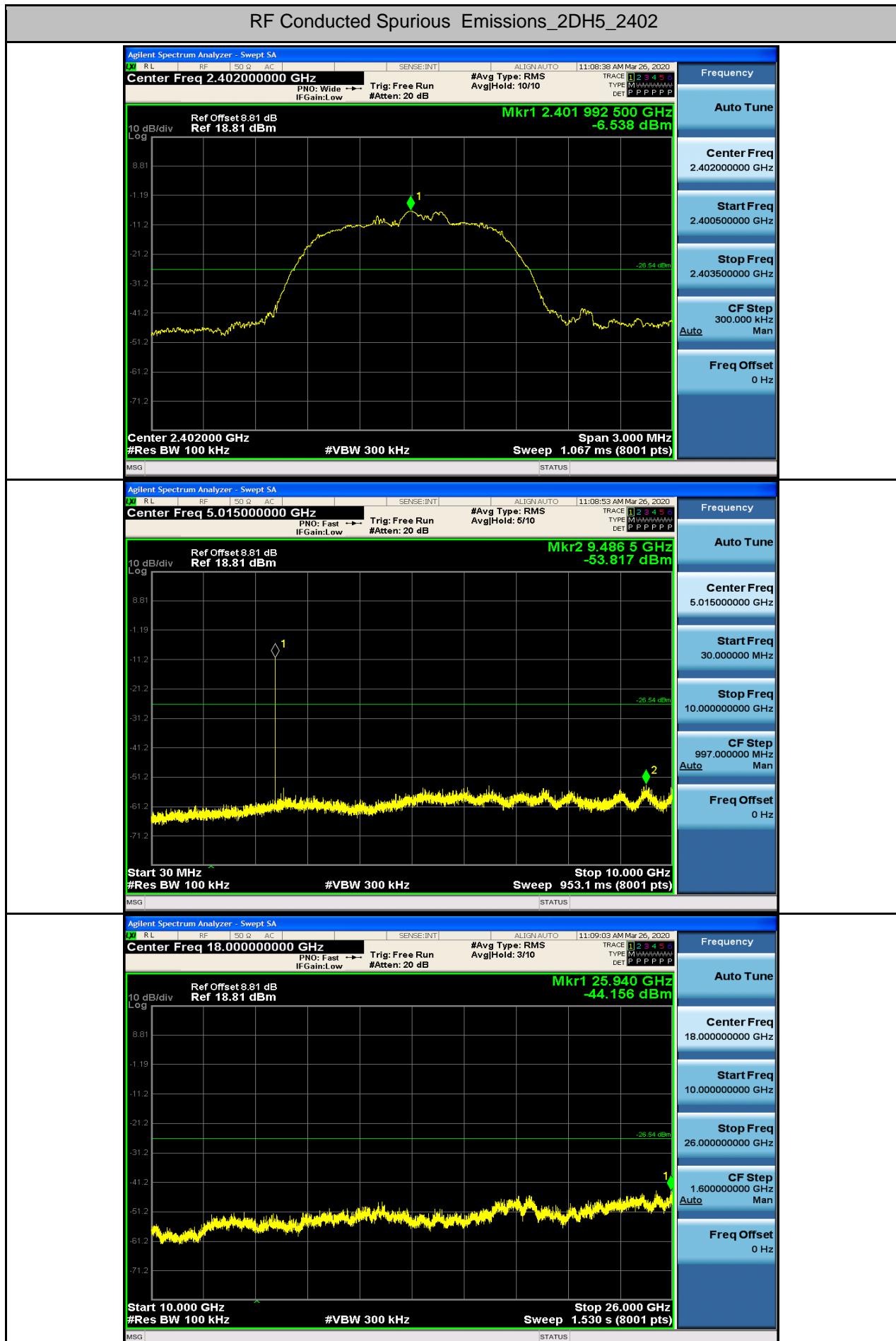
Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
DH5	2402	30	10000	100	300	-2.13	-48.70	<-22.13	PASS
DH5	2402	10000	26000	100	300	-2.128	-43.635	<-22.128	PASS
DH5	2441	30	10000	100	300	1.93	-52.29	<-18.07	PASS
DH5	2441	10000	26000	100	300	1.934	-43.590	<-18.066	PASS
DH5	2480	30	10000	100	300	2.01	-53.01	<-17.99	PASS
DH5	2480	10000	26000	100	300	2.012	-44.554	<-17.988	PASS
2DH5	2402	30	10000	100	300	-6.54	-53.82	<-26.54	PASS
2DH5	2402	10000	26000	100	300	-6.538	-44.156	<-26.538	PASS
2DH5	2441	30	10000	100	300	-1.83	-53.85	<-21.83	PASS
2DH5	2441	10000	26000	100	300	-1.831	-43.915	<-21.831	PASS
2DH5	2480	30	10000	100	300	-1.45	-54.28	<-21.45	PASS
2DH5	2480	10000	26000	100	300	-1.446	-44.385	<-21.446	PASS
3DH5	2402	30	10000	100	300	-6.19	-54.47	<-26.19	PASS
3DH5	2402	10000	26000	100	300	-6.185	-45.010	<-26.185	PASS
3DH5	2441	30	10000	100	300	-1.67	-44.60	<-21.67	PASS
3DH5	2441	10000	26000	100	300	-1.674	-43.816	<-21.674	PASS
3DH5	2480	30	10000	100	300	-1.31	-54.08	<-21.31	PASS
3DH5	2480	10000	26000	100	300	-1.312	-45.020	<-21.312	PASS



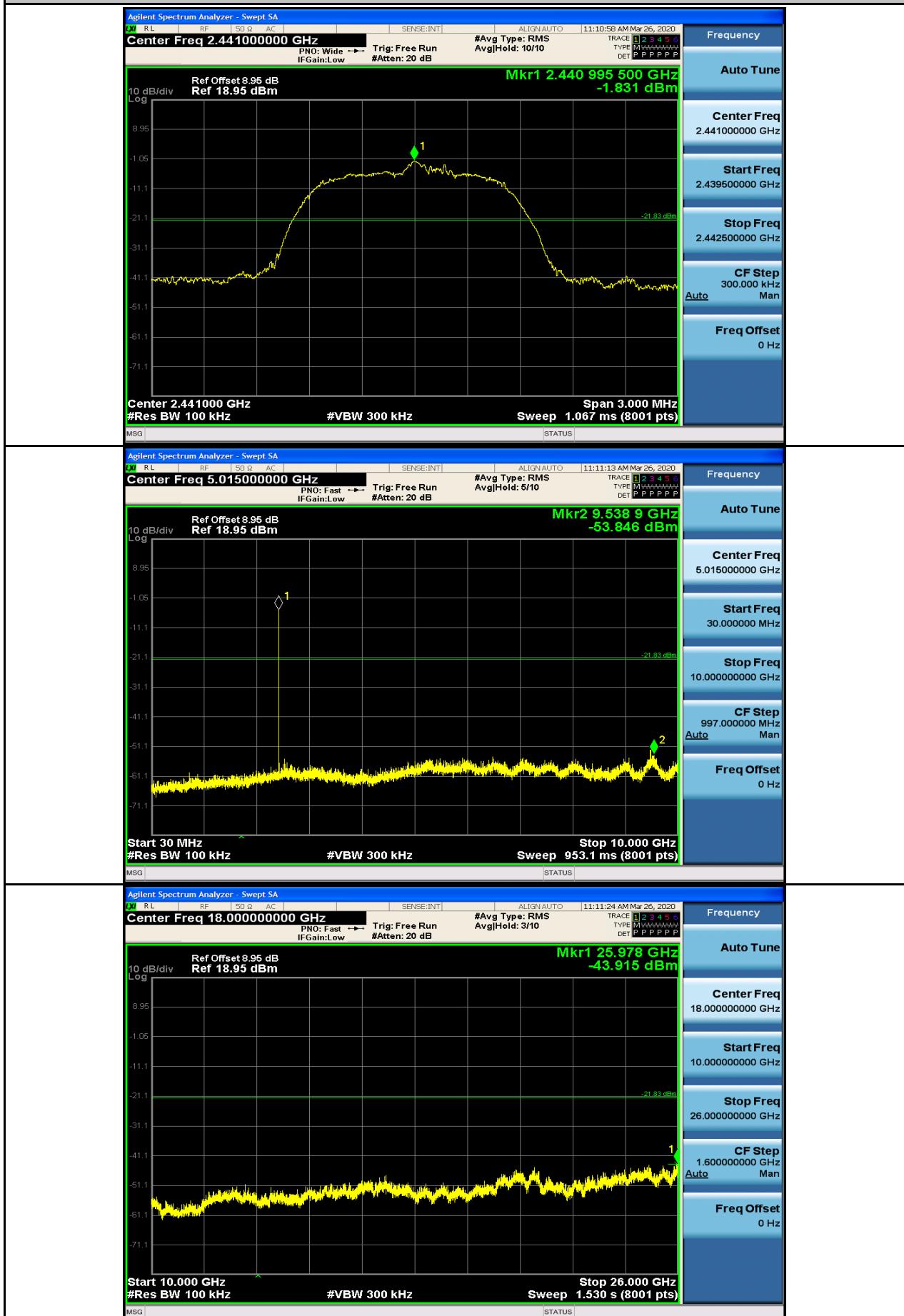
RF Conducted Spurious Emissions_DH5_2441



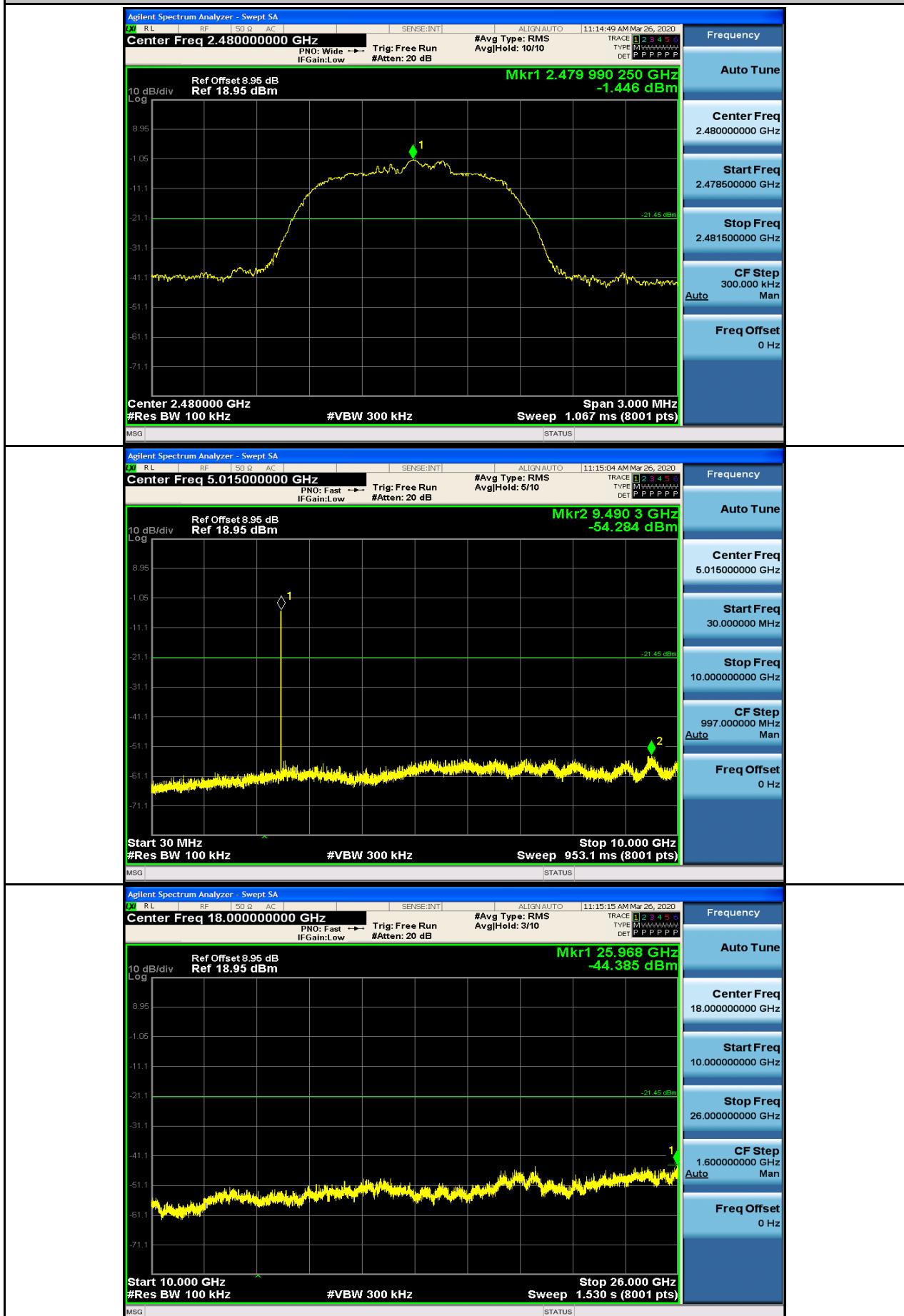


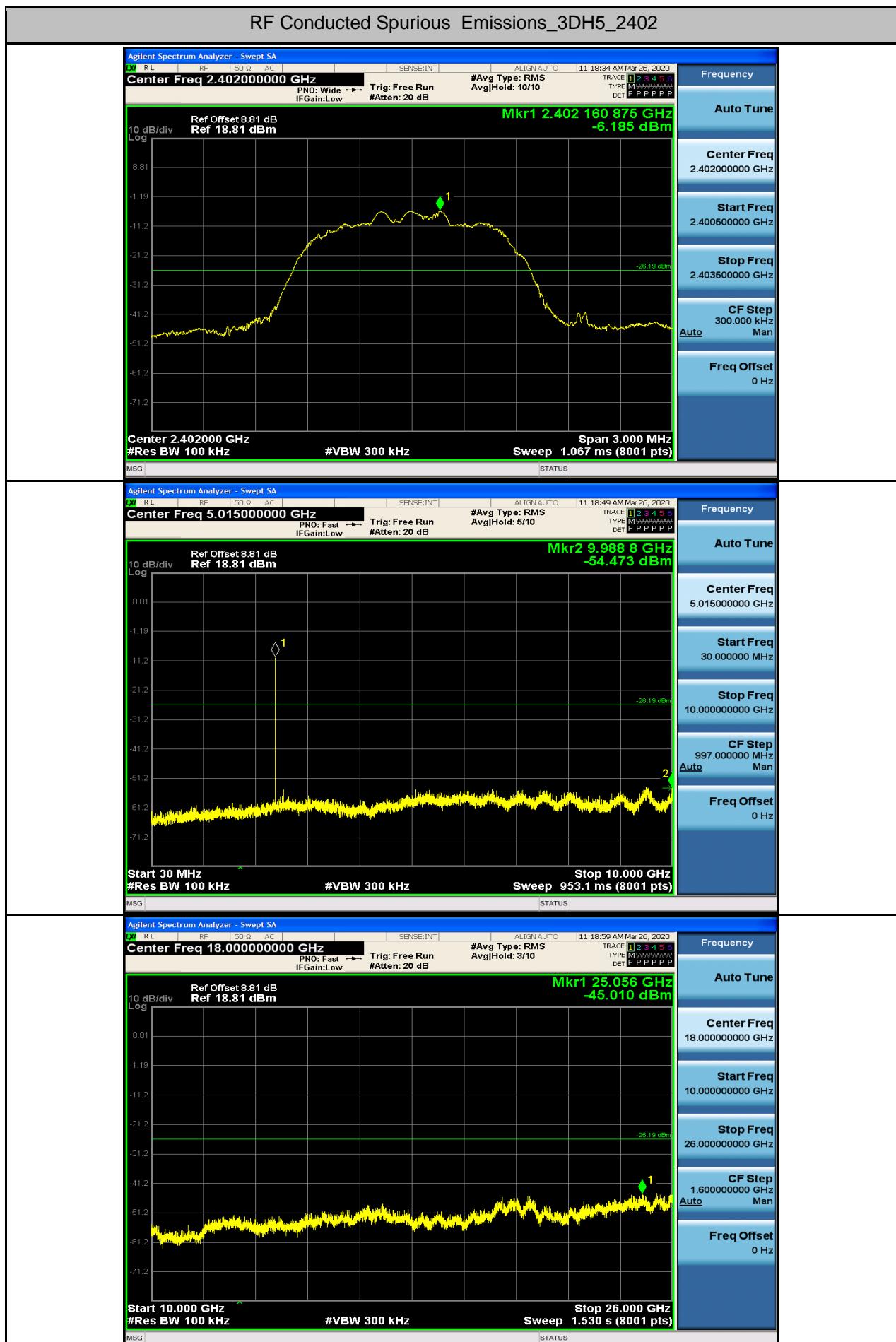


RF Conducted Spurious Emissions_2DH5_2441

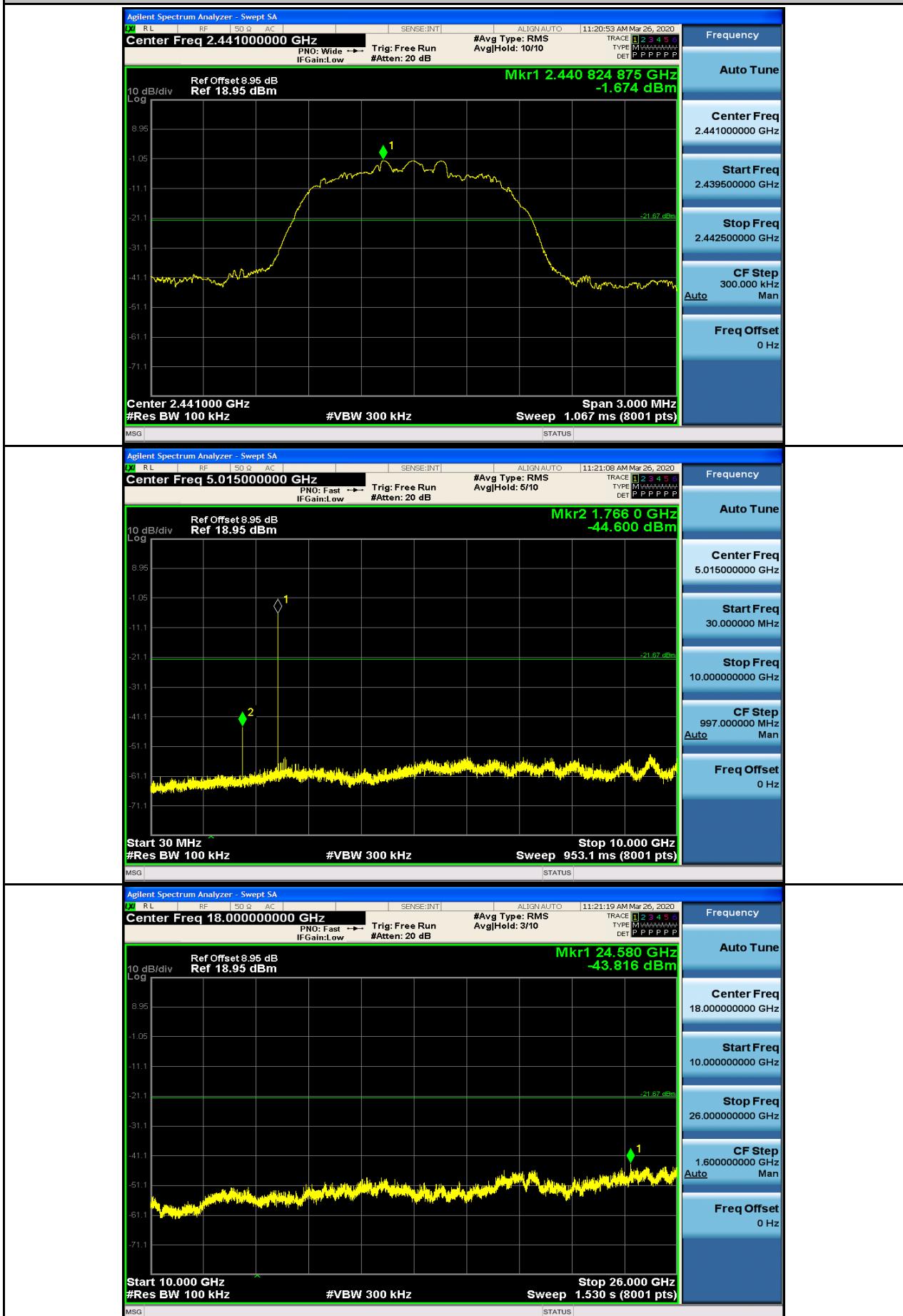


RF Conducted Spurious Emissions_2DH5_2480

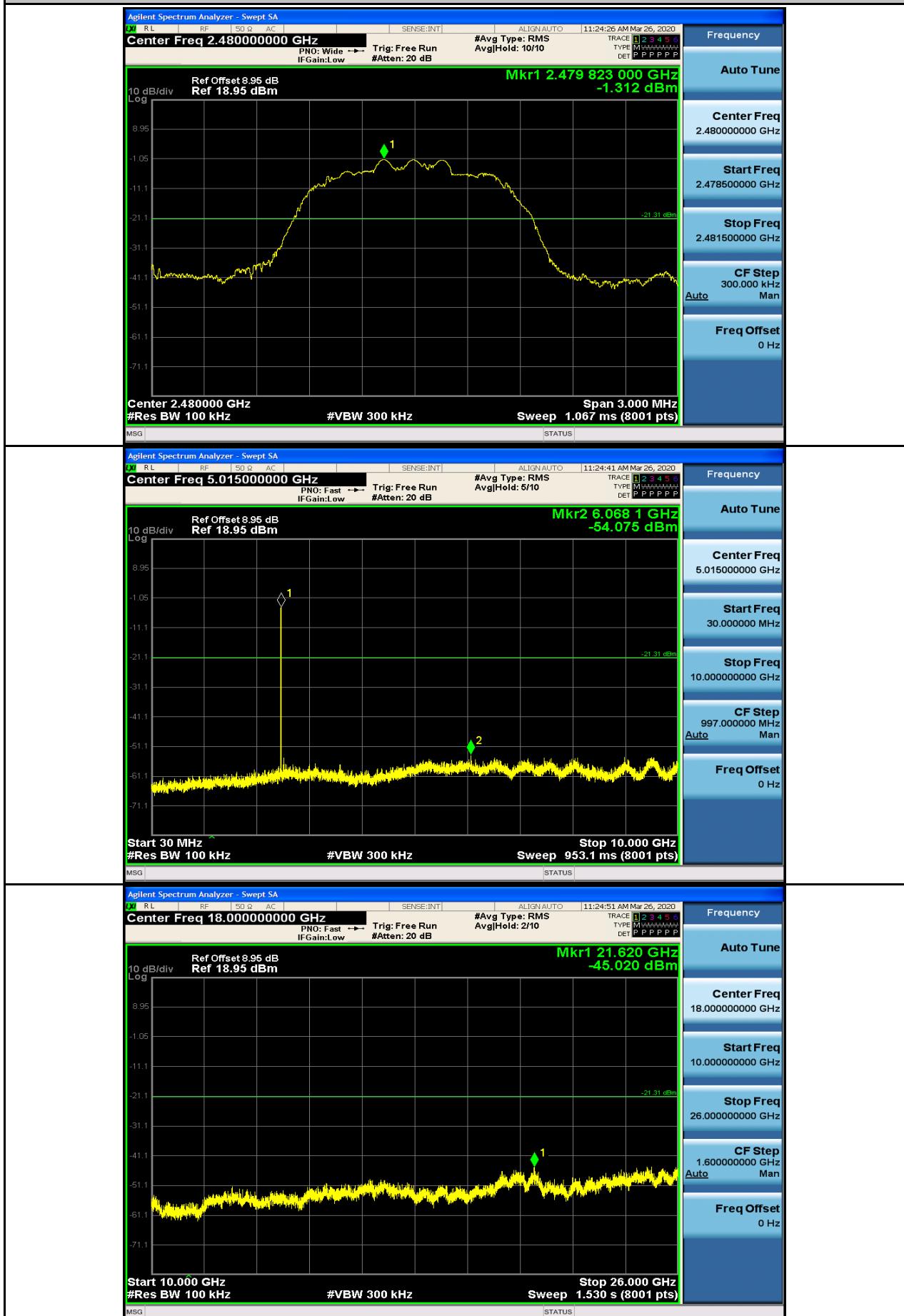




RF Conducted Spurious Emissions_3DH5_2441



RF Conducted Spurious Emissions_3DH5_2480





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Branch