



**Appendix A SHEM190901704401**

**1.20 dB Bandwidth**

Test Mode	Test Channel	EBW[MHz]	Limit[MHz]	Verdict
DH5	2402	1.03	---	PASS
DH5	2441	1.01	---	PASS
DH5	2480	1.02	---	PASS
2DH5	2402	1.23	---	PASS
2DH5	2441	1.25	---	PASS
2DH5	2480	1.24	---	PASS
3DH5	2402	1.27	---	PASS
3DH5	2441	1.29	---	PASS
3DH5	2480	1.29	---	PASS

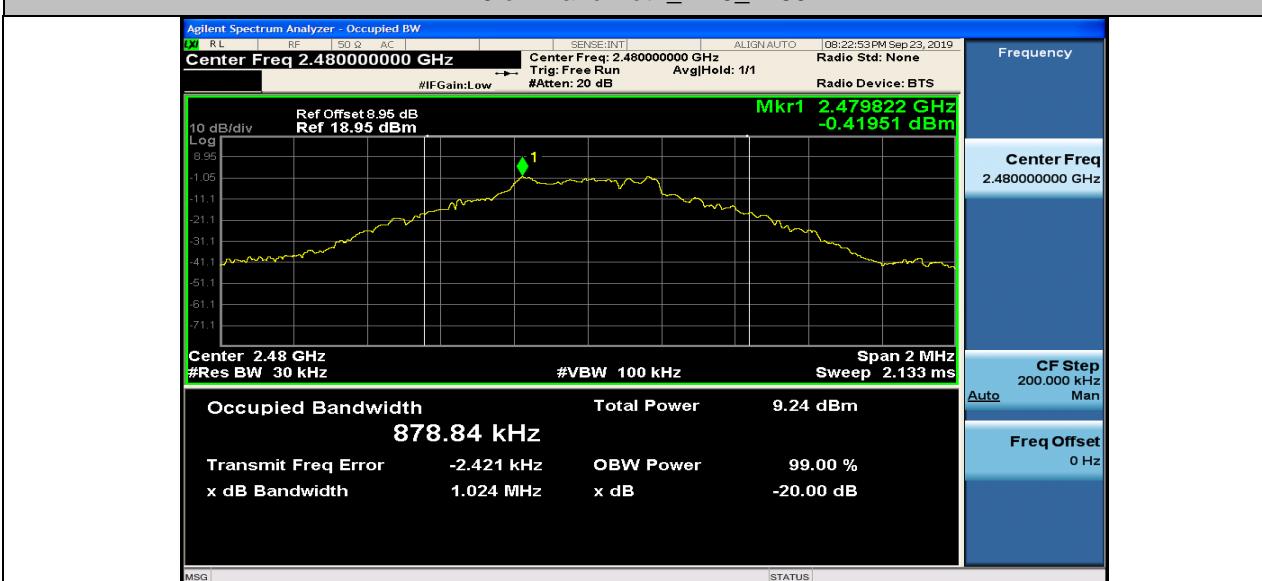
## 20 dB Bandwidth\_DH5\_2402



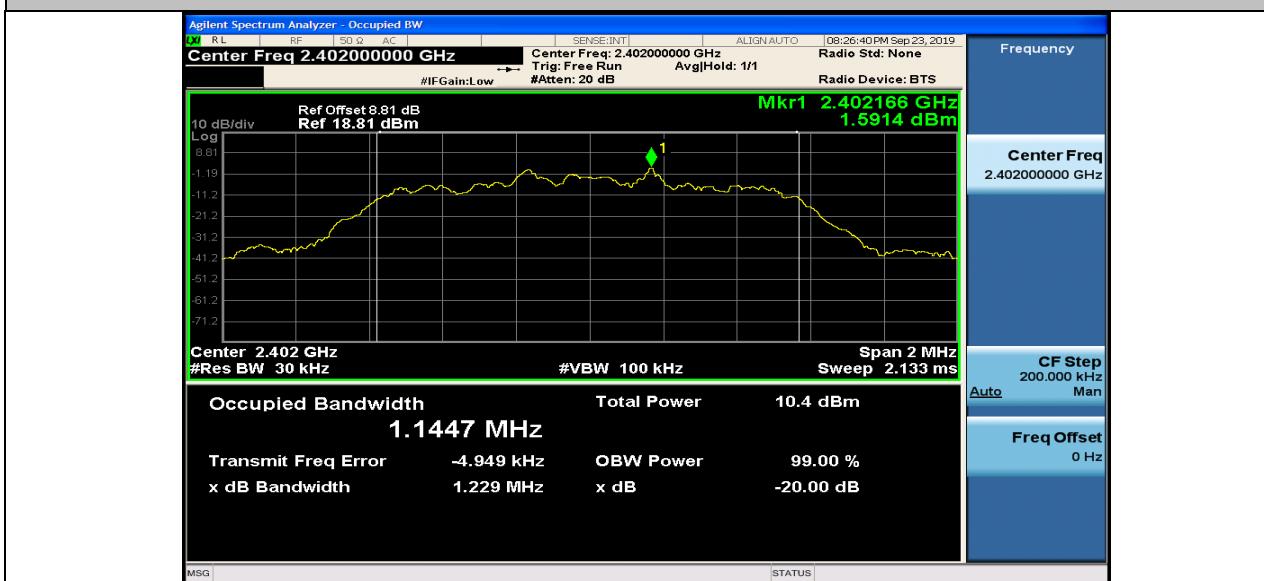
## 20 dB Bandwidth\_DH5\_2441



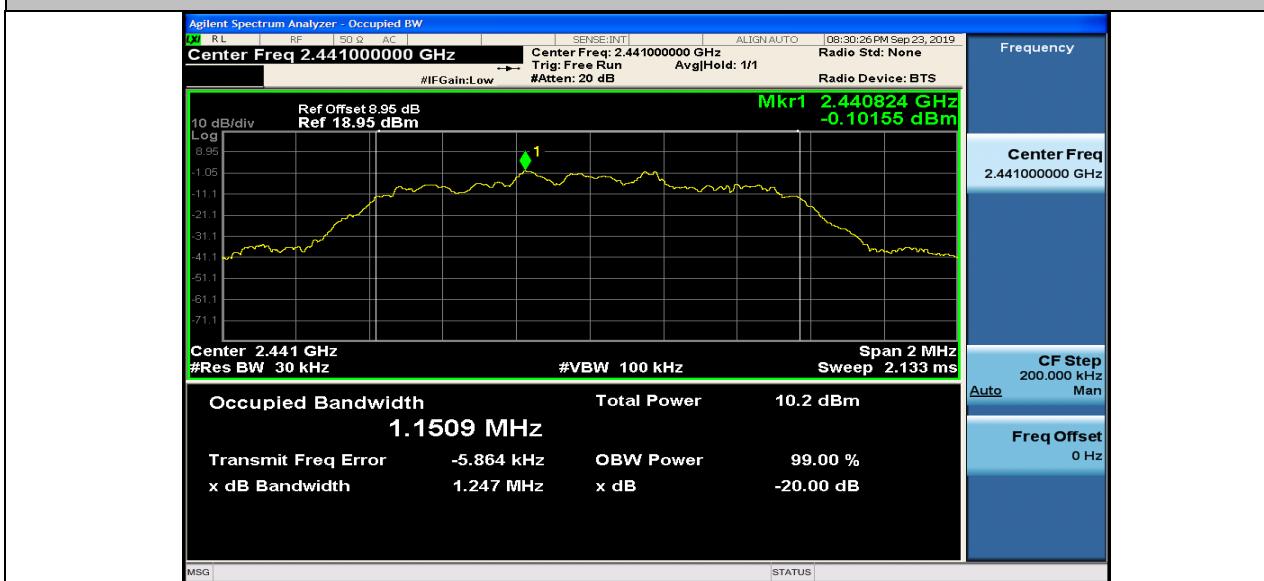
## 20 dB Bandwidth\_DH5\_2480



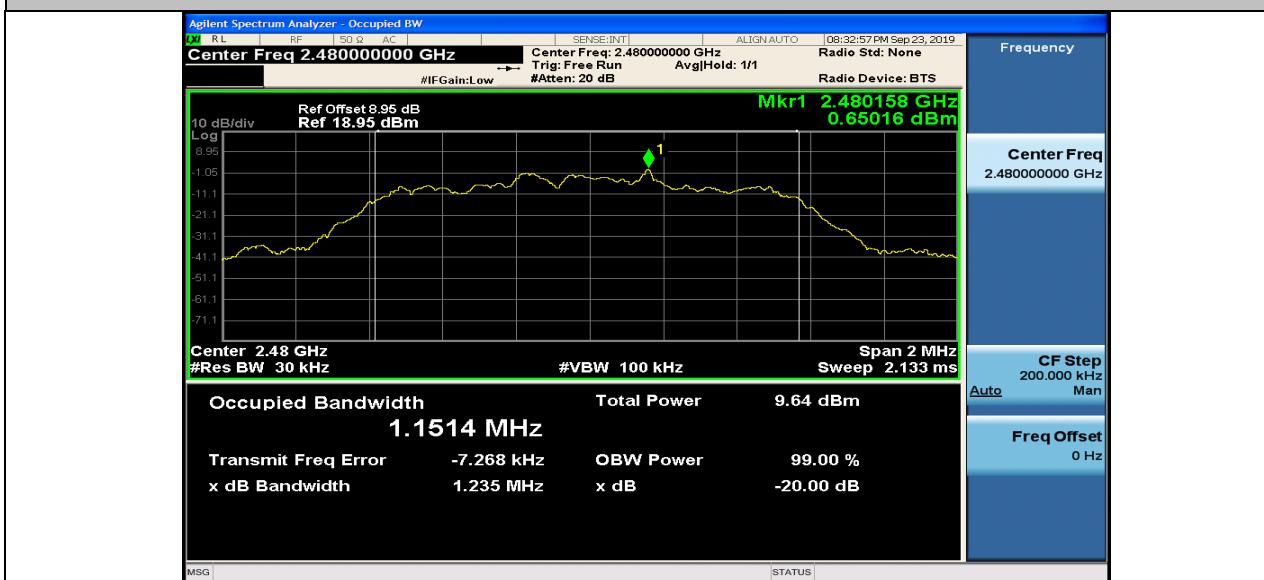
## 20 dB Bandwidth\_2DH5\_2402



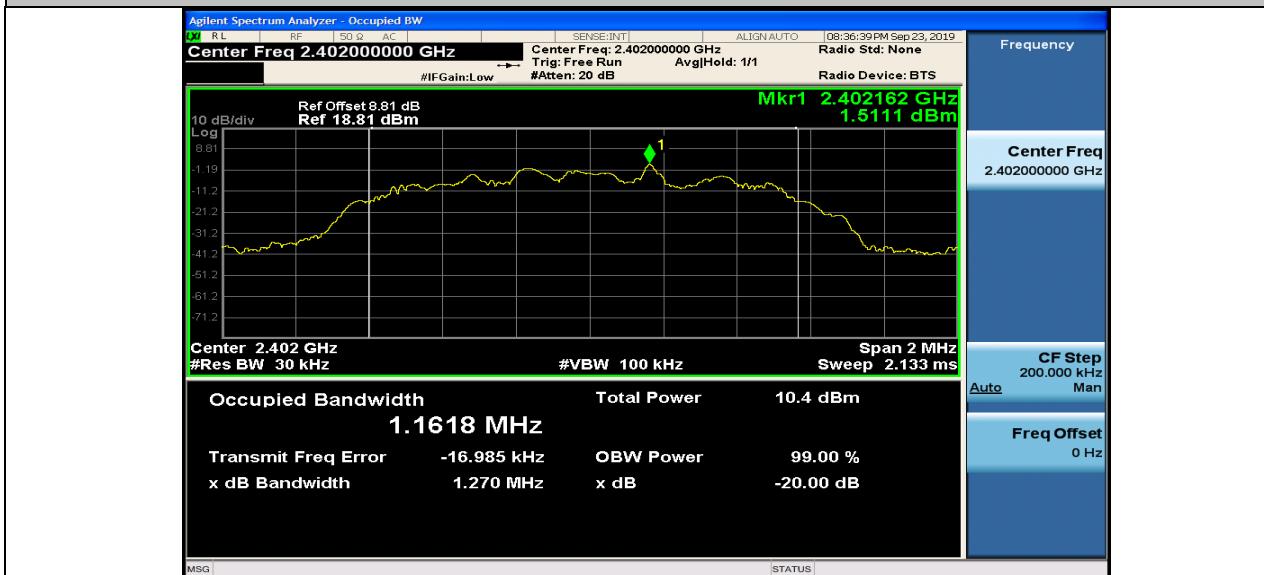
## 20 dB Bandwidth\_2DH5\_2441



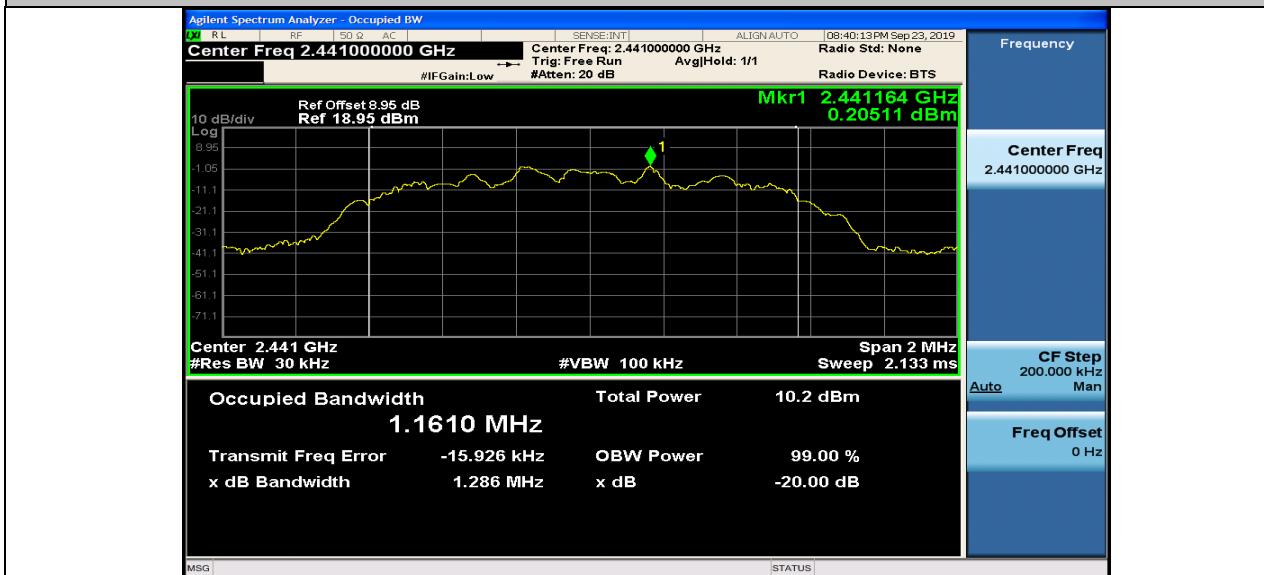
## 20 dB Bandwidth\_2DH5\_2480



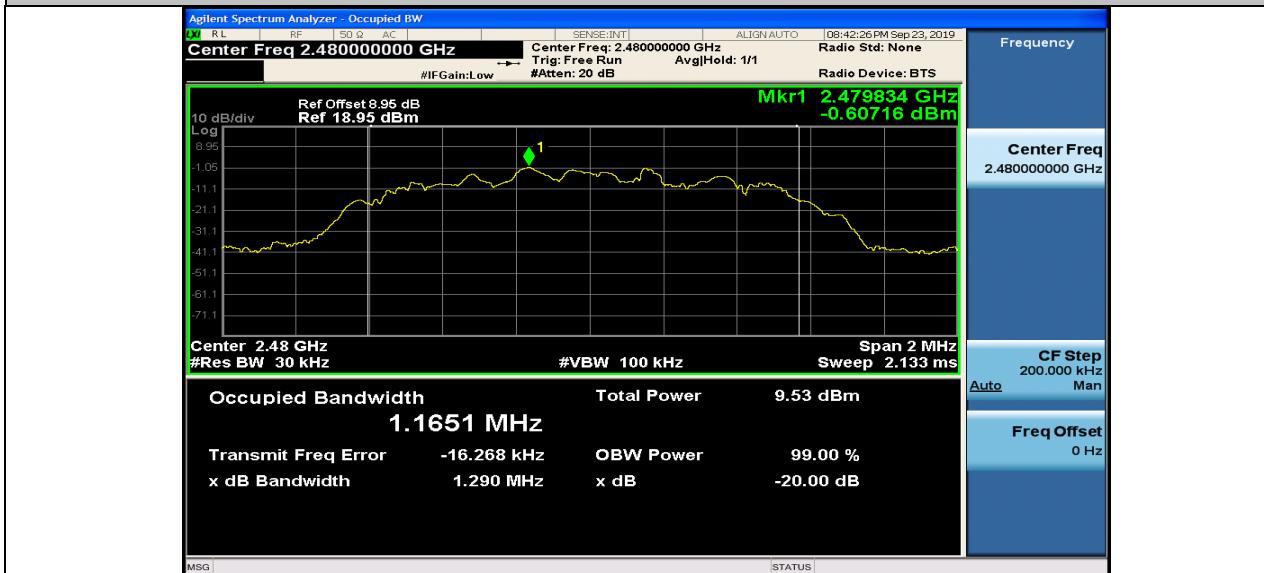
## 20 dB Bandwidth\_3DH5\_2402



## 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	0.88	---	PASS
DH5	2480	0.89	---	PASS
2DH5	2402	1.15	---	PASS
2DH5	2441	1.15	---	PASS
2DH5	2480	1.15	---	PASS
3DH5	2402	1.16	---	PASS
3DH5	2441	1.17	---	PASS
3DH5	2480	1.17	---	PASS

## Occupied Bandwidth\_DH5\_2402



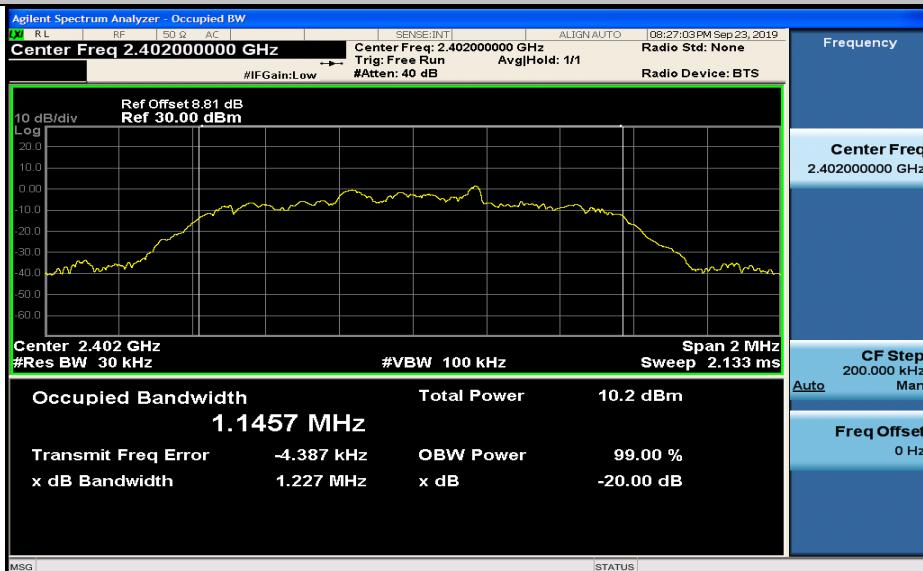
## Occupied Bandwidth\_DH5\_2441



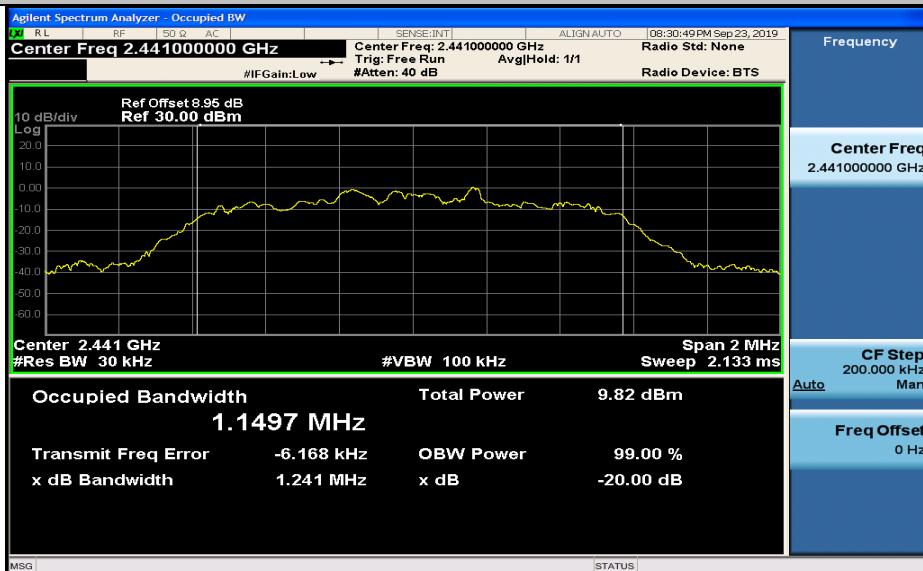
## Occupied Bandwidth\_DH5\_2480



## Occupied Bandwidth\_2DH5\_2402



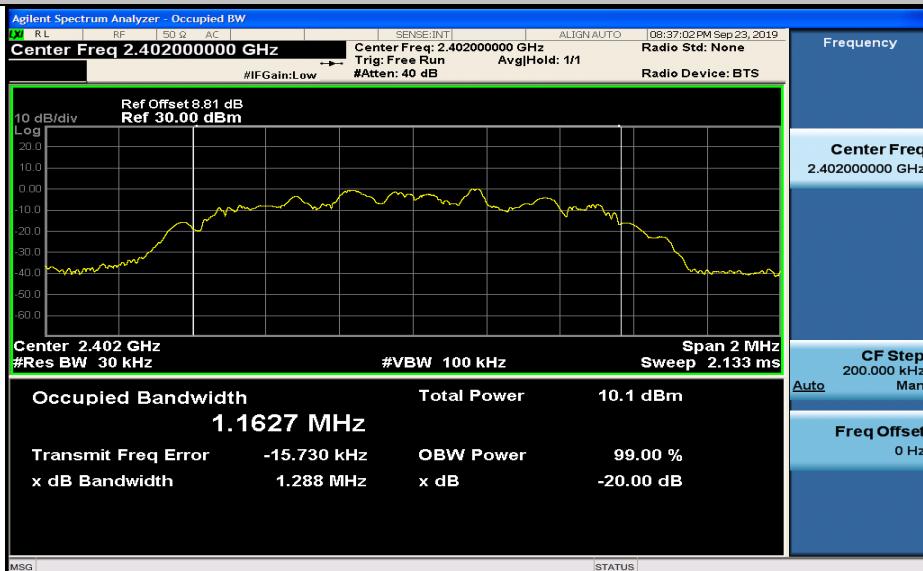
## Occupied Bandwidth\_2DH5\_2441



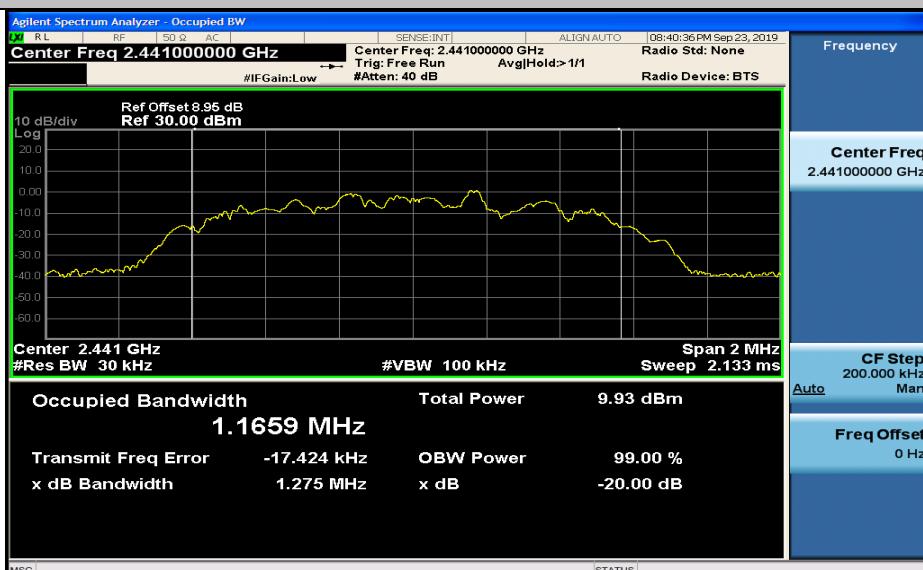
## Occupied Bandwidth\_2DH5\_2480



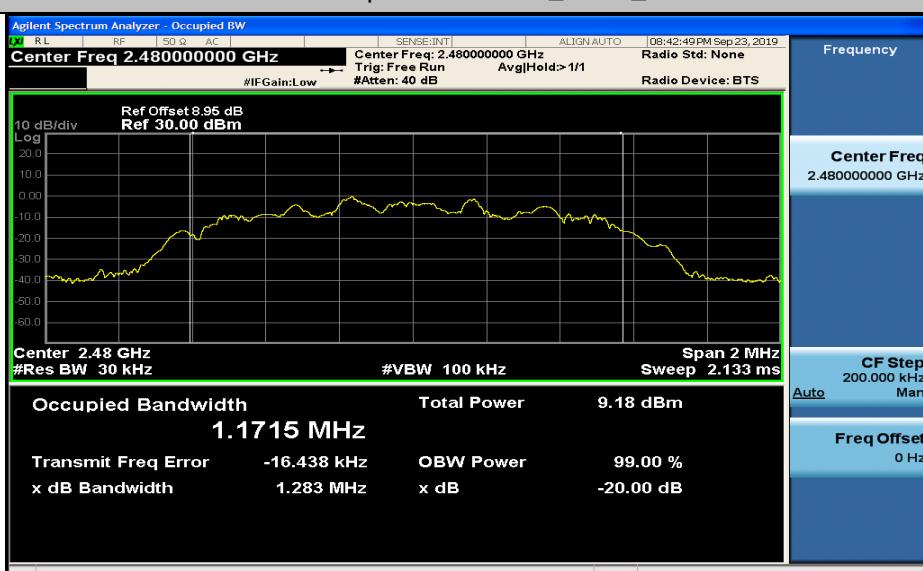
## Occupied Bandwidth\_3DH5\_2402



## Occupied Bandwidth\_3DH5\_2441



## Occupied Bandwidth\_3DH5\_2480





**3.Conducted Peak Output Power**

Test Mode	Test Channel	Power[dBm]	Limit[dBm]	Verdict
DH5	2402	3.21	21	PASS
DH5	2441	3.07	21	PASS
DH5	2480	2.61	21	PASS
2DH5	2402	4.45	21	PASS
2DH5	2441	4.36	21	PASS
2DH5	2480	3.92	21	PASS
3DH5	2402	4.68	21	PASS
3DH5	2441	4.61	21	PASS
3DH5	2480	4.14	21	PASS

## Conducted Peak Output Power\_DH5\_2402



## Conducted Peak Output Power\_DH5\_2441



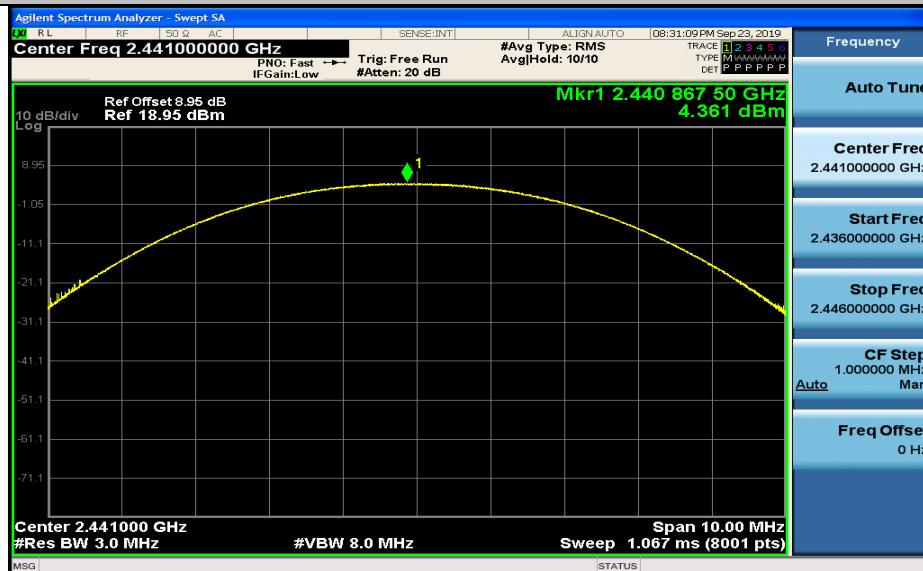
## Conducted Peak Output Power\_DH5\_2480



## 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



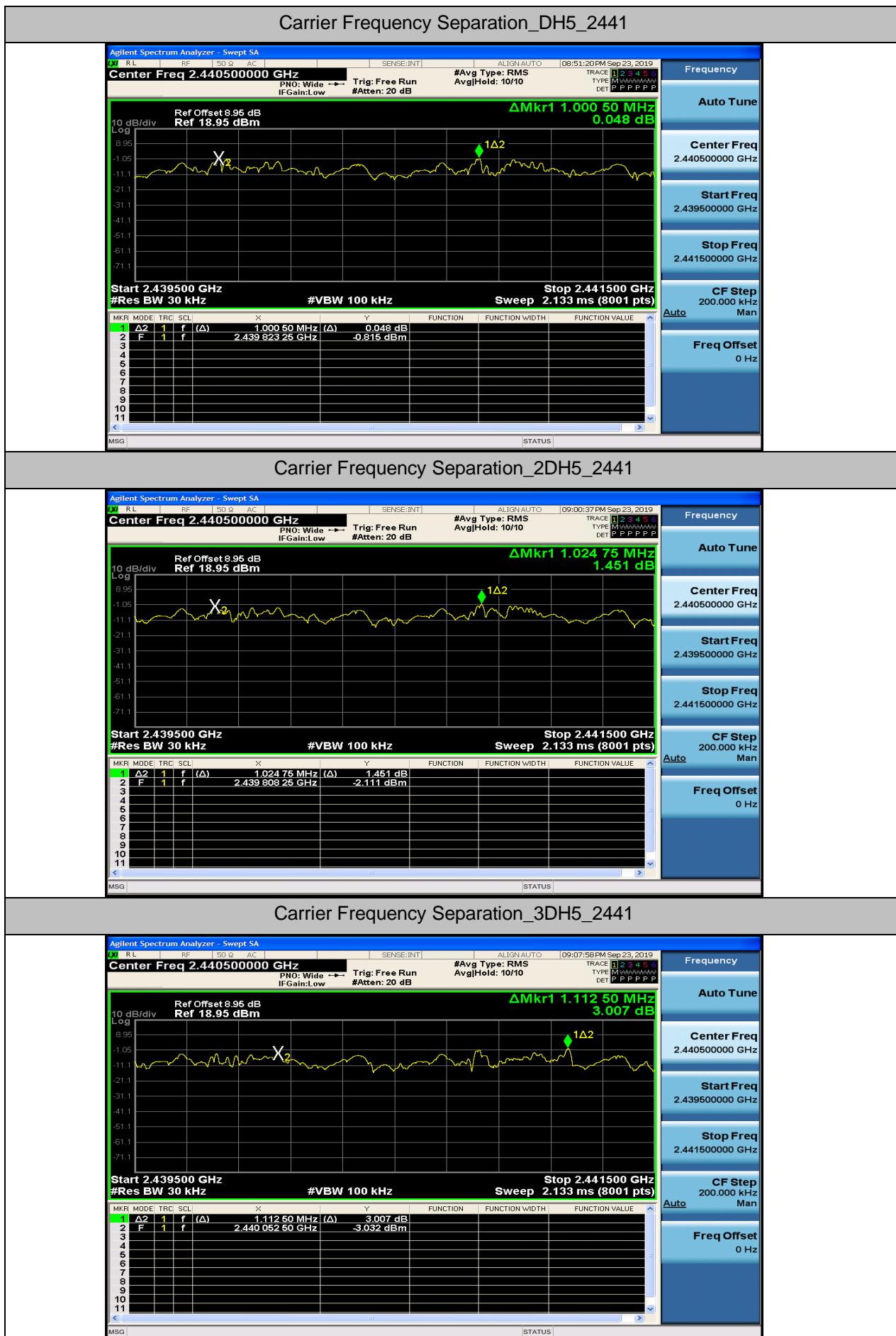
## Conducted Peak Output Power\_3DH5\_2480





#### 4.Carrier Frequency Separation

Test Mode	Test Channel	Result[MHz]	Limit[MHz]	Verdict
DH5	2441	1.00	0.67	PASS
2DH5	2441	1.03	0.8313333333333333	PASS
3DH5	2441	1.11	0.8573333333333333	PASS

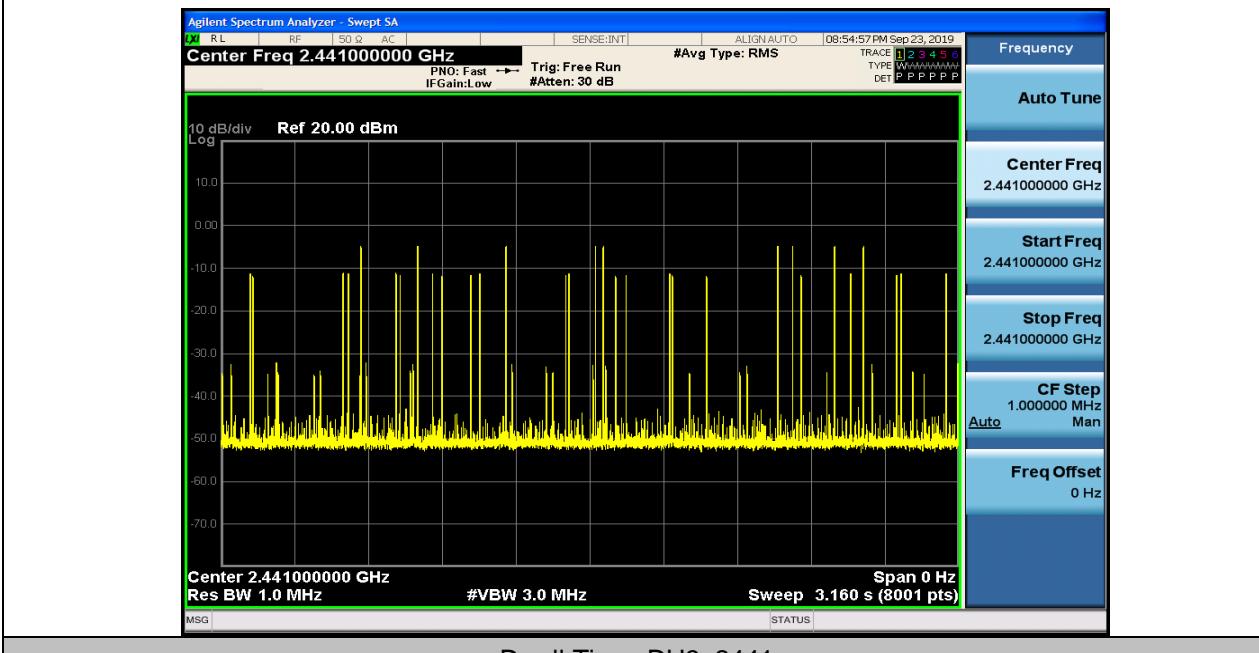
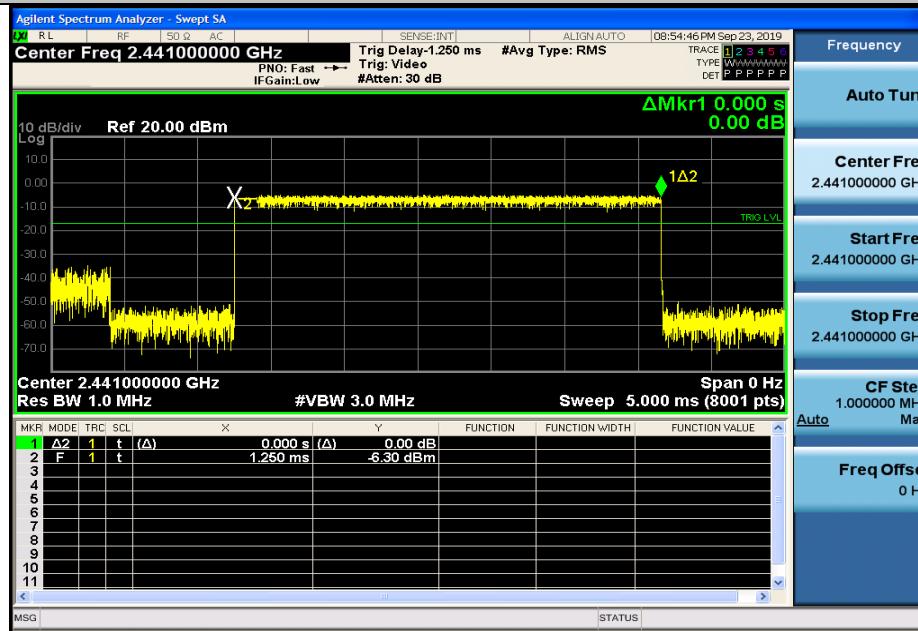




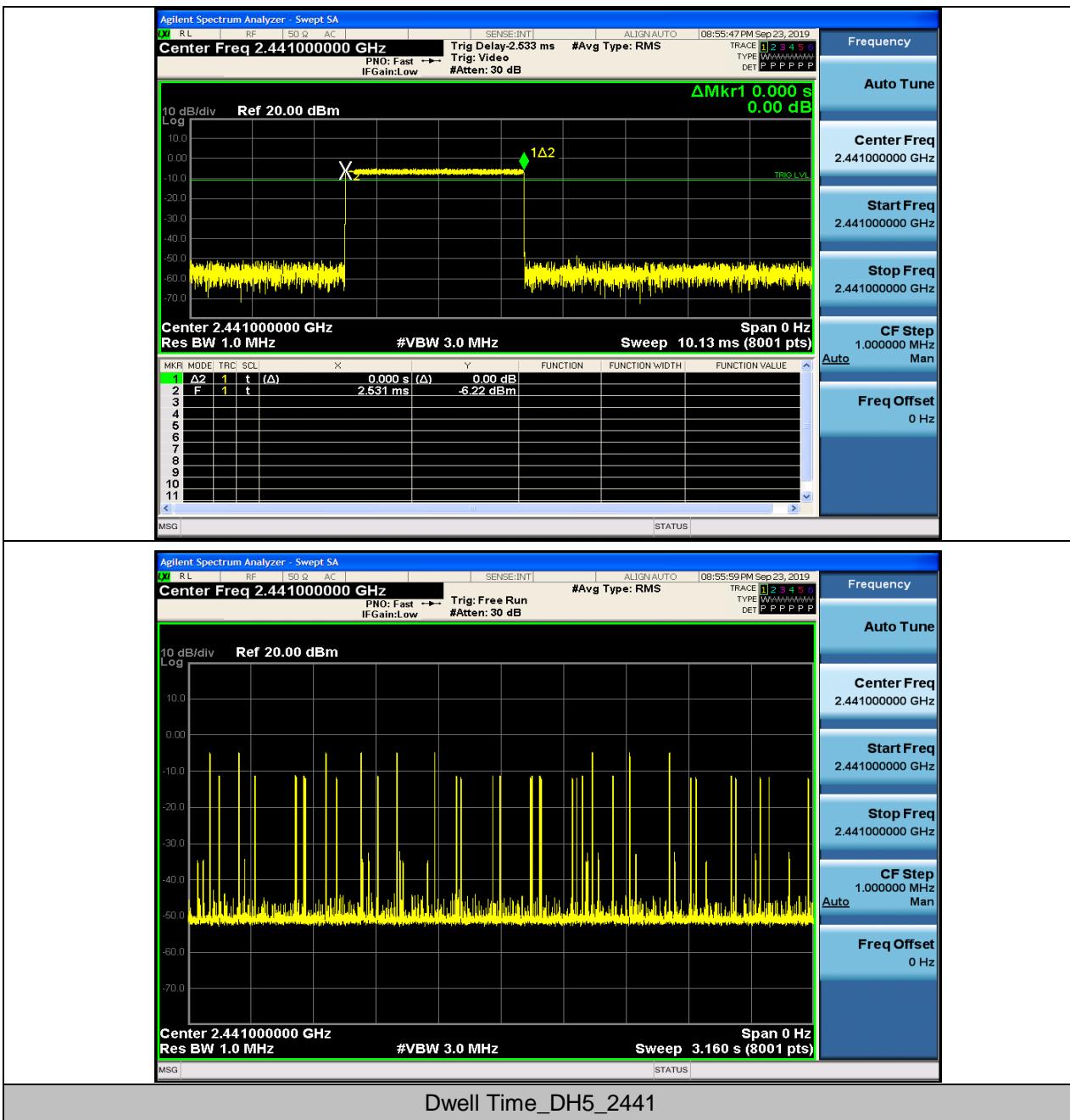
### 5.Dwell Time

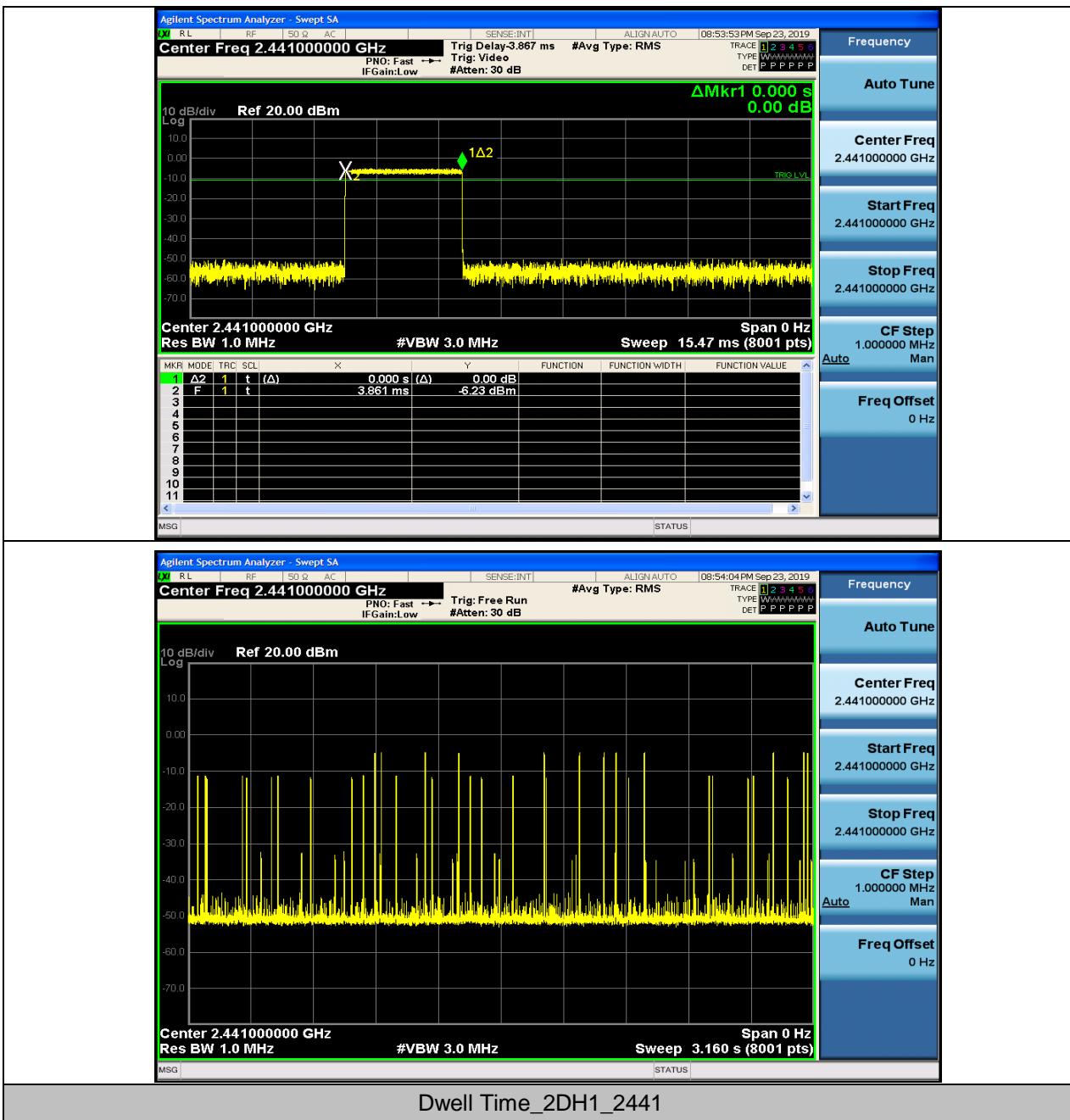
Test Mode	Test Channel	Burst Width[ms/hop/ch]	Total Hops[hop*ch]	Dwell Time[s]	Limit[s]	Verdict
DH1	2441	2.91	90	0.26	0.4	PASS
DH3	2441	2.90	90	0.26	0.4	PASS
DH5	2441	2.90	120	0.35	0.4	PASS
2DH1	2441	2.91	110	0.32	0.4	PASS
2DH3	2441	2.90	80	0.23	0.4	PASS
2DH5	2441	2.90	100	0.29	0.4	PASS
3DH1	2441	2.91	90	0.26	0.4	PASS
3DH3	2441	2.90	90	0.26	0.4	PASS
3DH5	2441	2.90	110	0.32	0.4	PASS

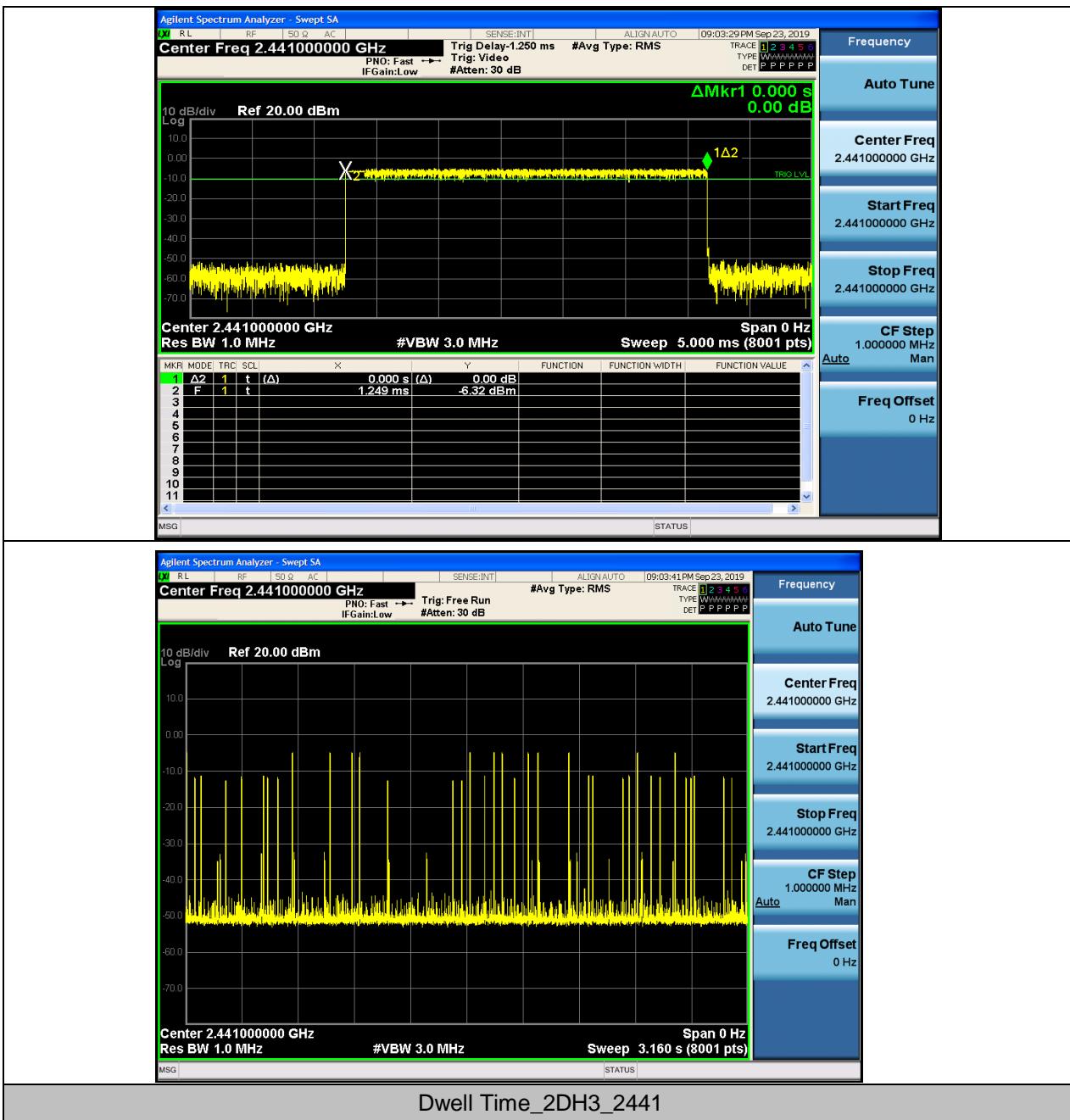
## Dwell Time\_DH1\_2441

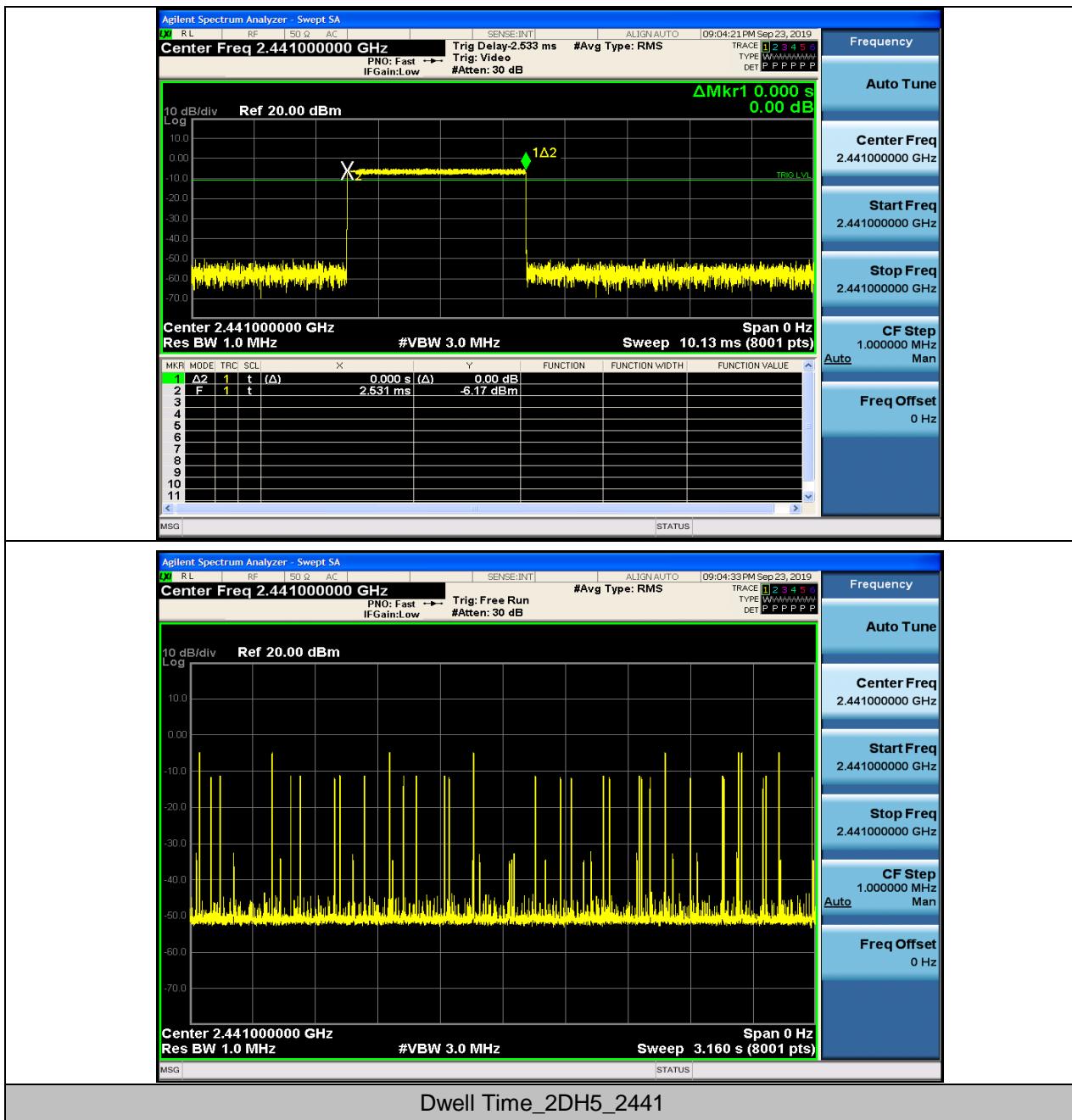


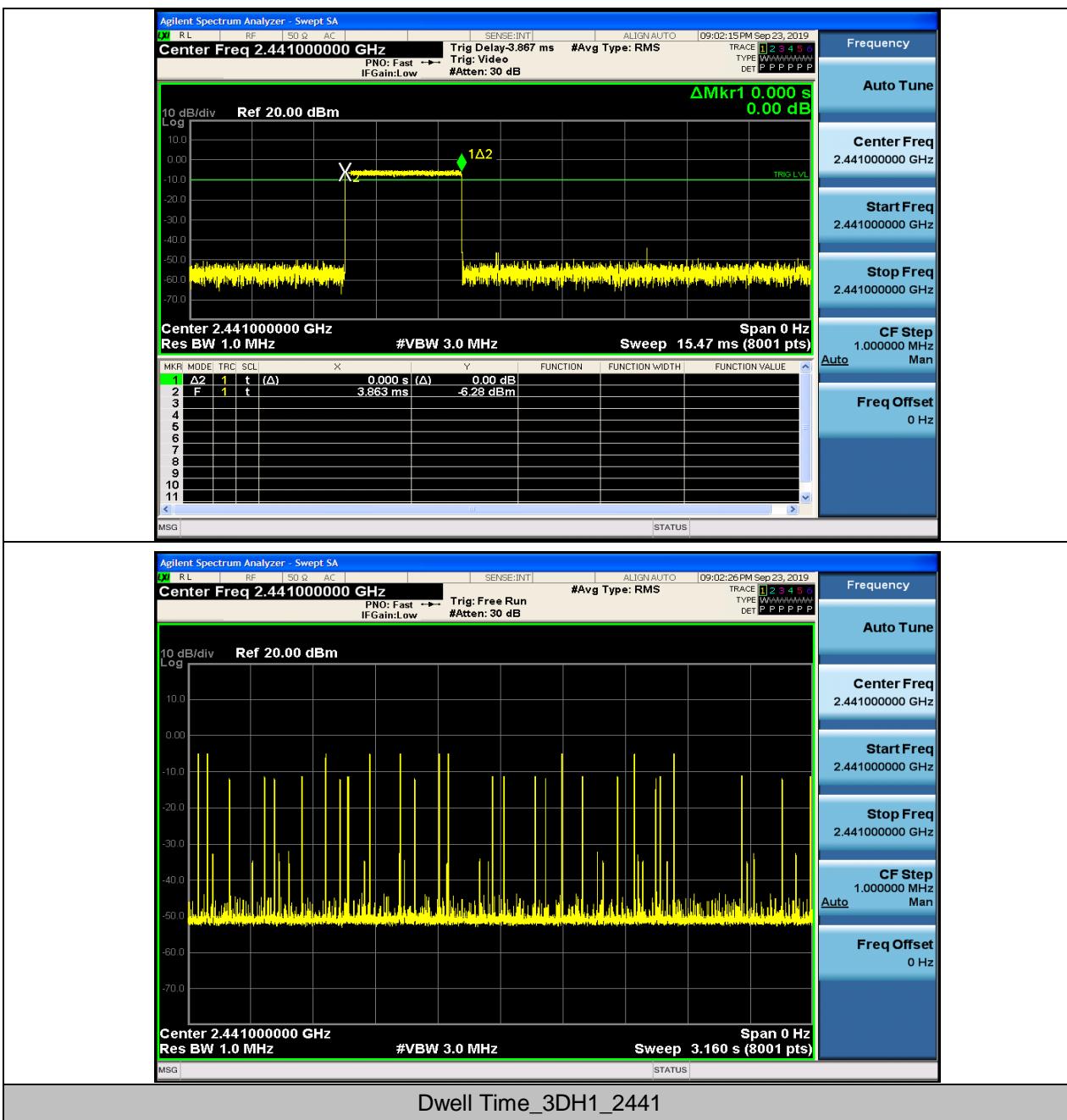
Dwell Time\_DH3\_2441

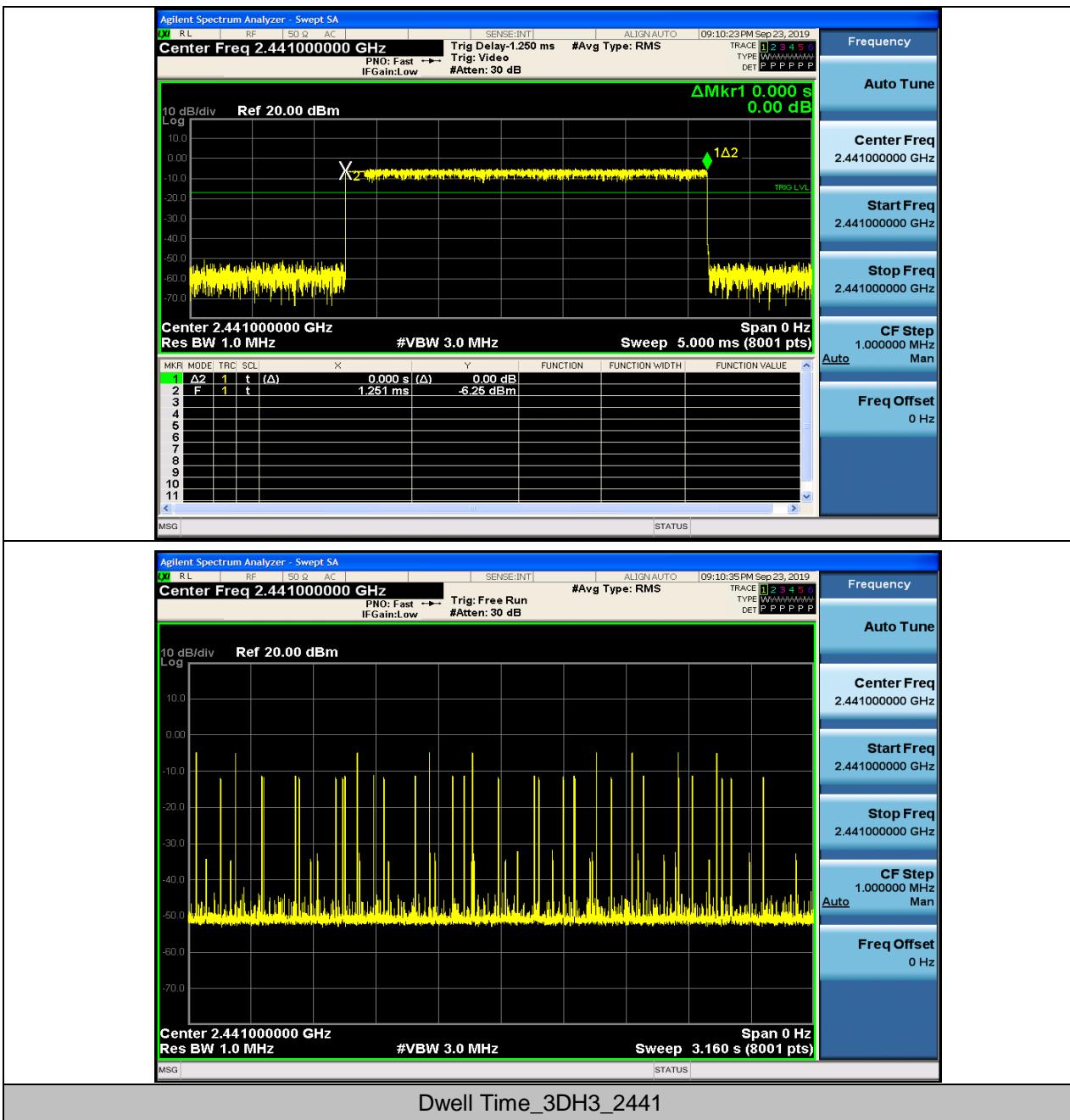


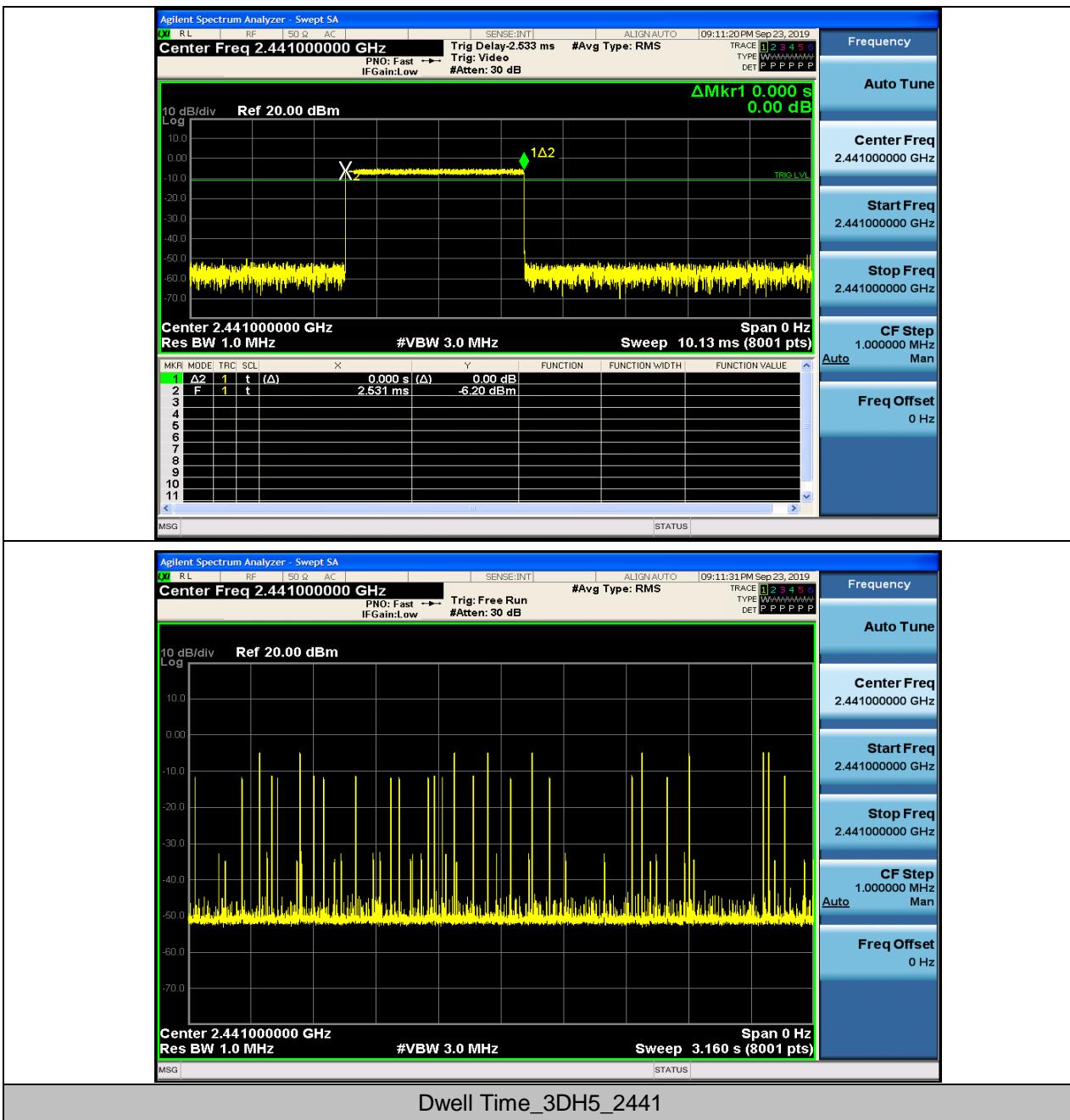


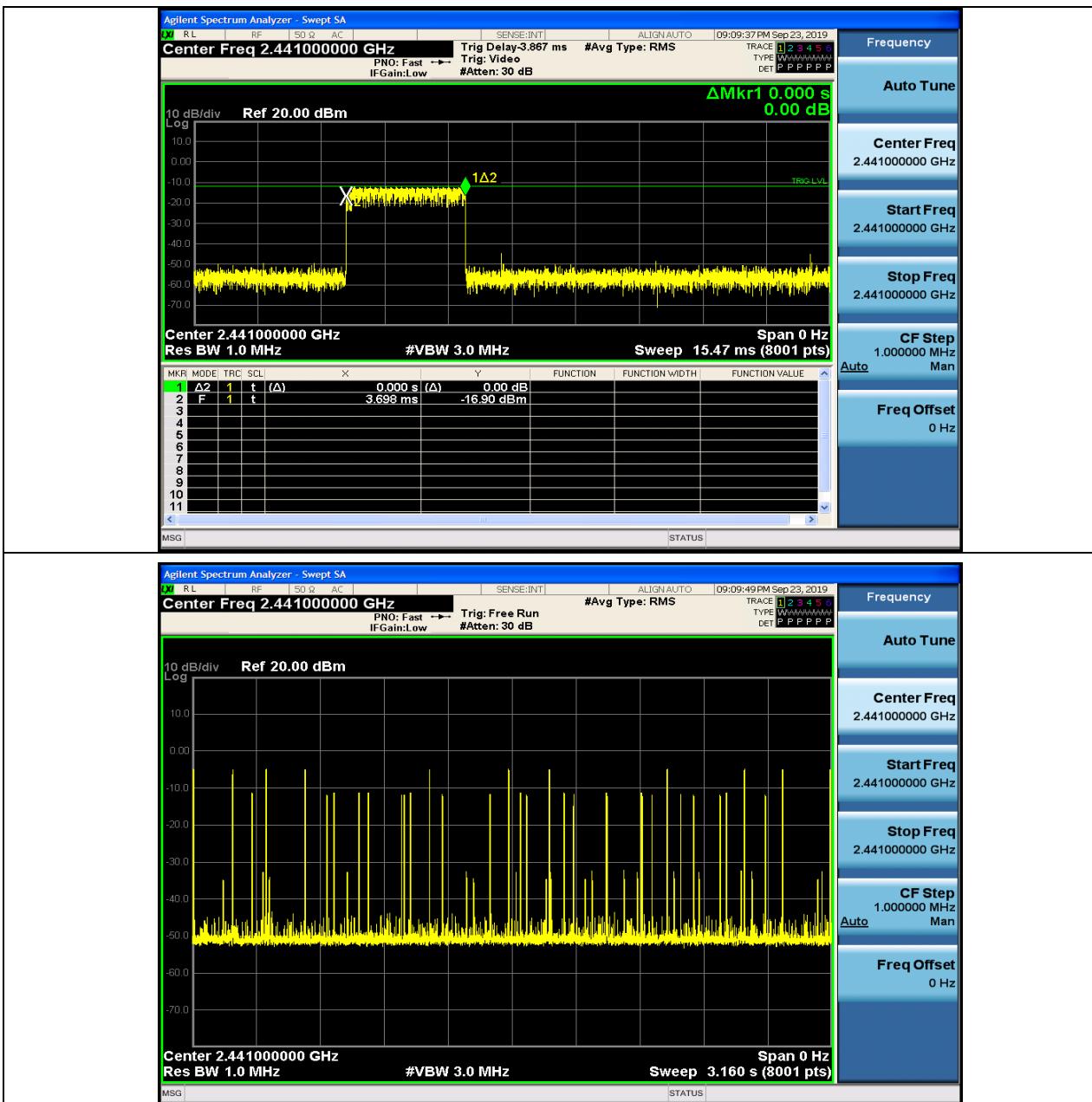








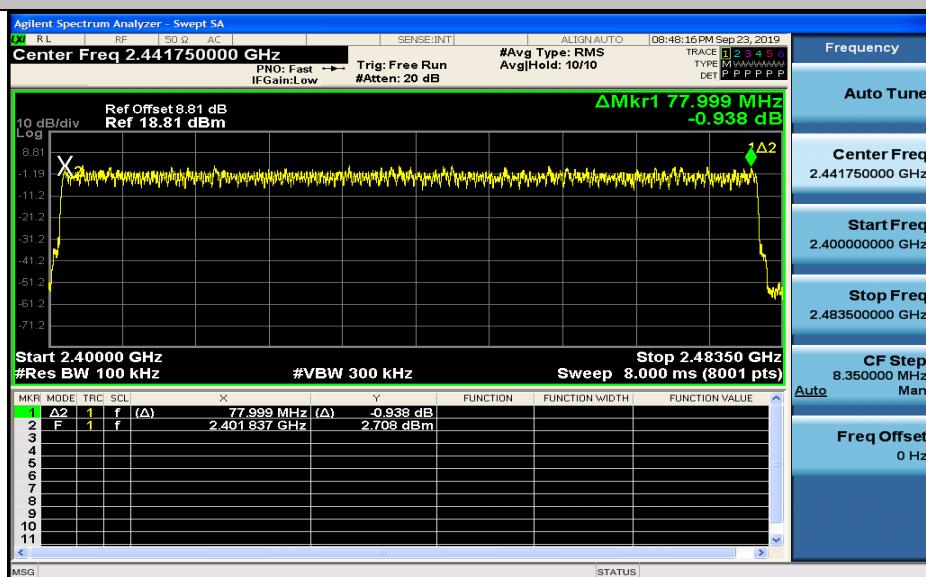
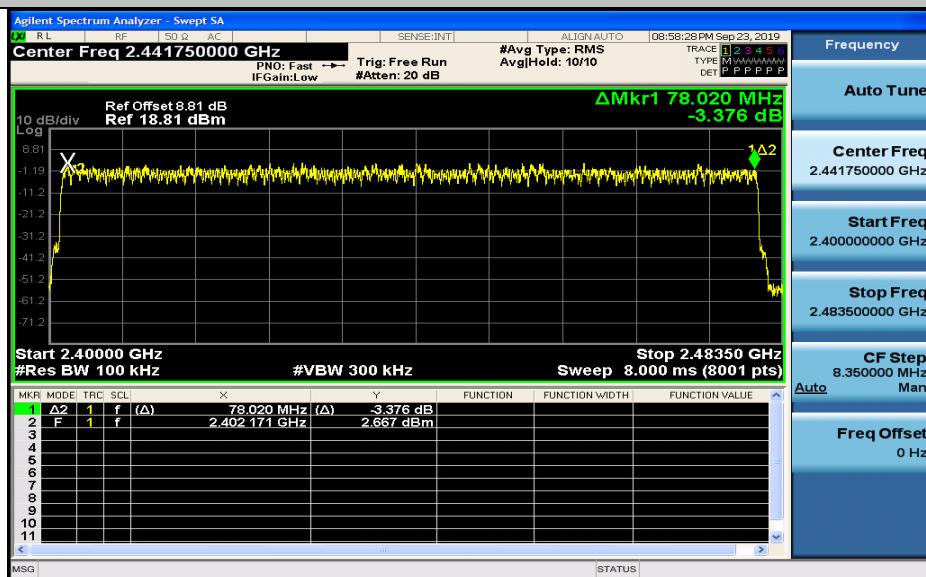
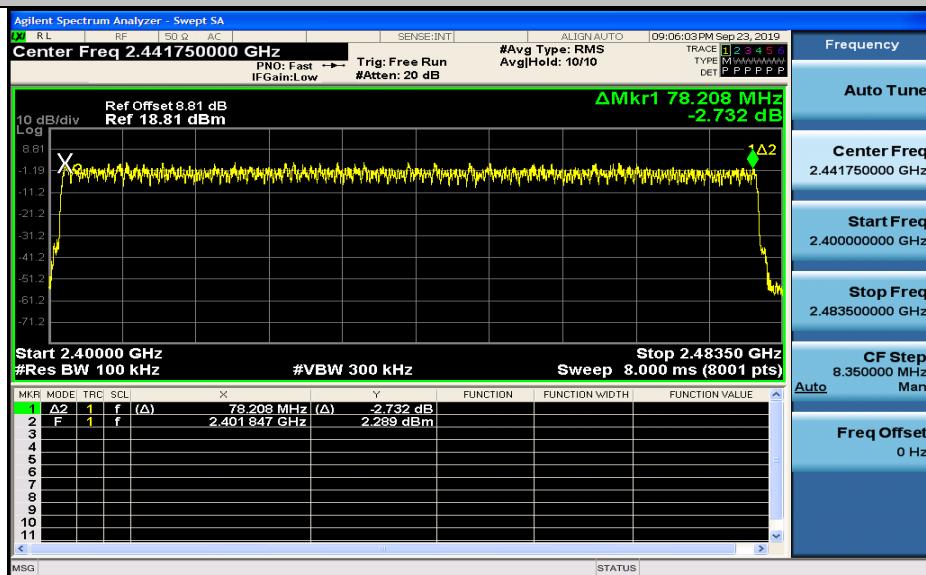






#### 6.Hopping Channel Number

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

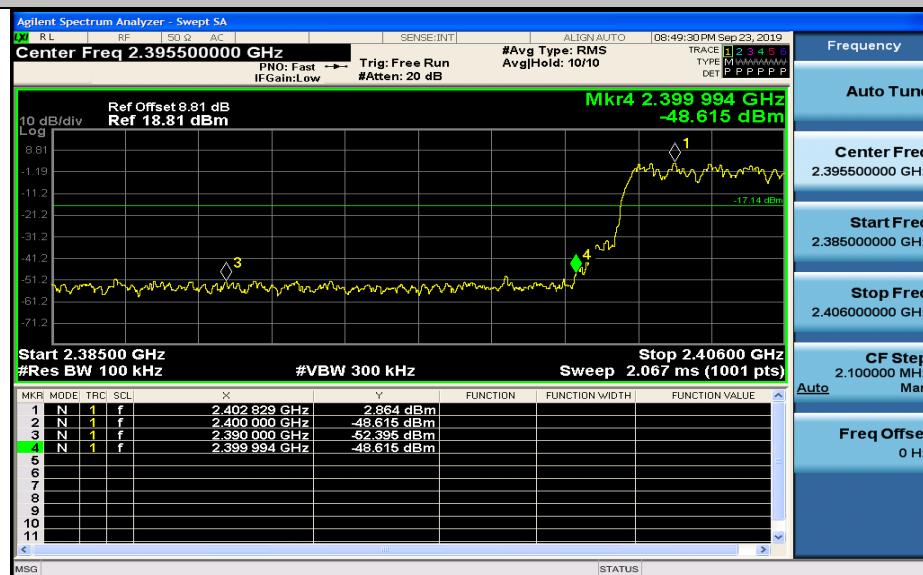
**Hopping Channel Number\_DH5**

**Hopping Channel Number\_2DH5**

**Hopping Channel Number\_3DH5**




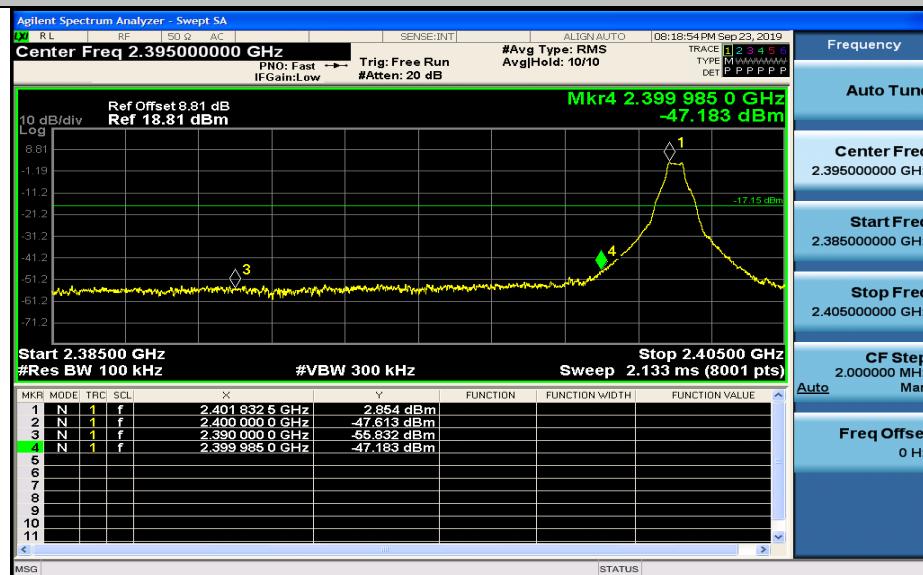
7.Band-edge for RF Conducted Emissions

Test Mode	Test Channel	Hopping	Carrier Power[dBm]	Max. Spurious Level [dBm]	Limit[dBm]	Verdict
DH5	2402	On	2.86	-48.62	-17.14	PASS
DH5	2402	Off	2.85	-47.18	-17.15	PASS
DH5	2480	On	2.14	-50.35	-17.86	PASS
DH5	2480	Off	2.20	-52.64	-17.81	PASS
2DH5	2402	On	2.29	-48.15	-17.71	PASS
2DH5	2402	Off	2.84	-46.99	-17.16	PASS
2DH5	2480	On	2.12	-49.51	-17.88	PASS
2DH5	2480	Off	2.12	-52.55	-17.88	PASS
3DH5	2402	On	2.71	-36.13	-17.29	PASS
3DH5	2402	Off	2.89	-47.18	-17.12	PASS
3DH5	2480	On	2.07	-50.32	-17.93	PASS
3DH5	2480	Off	2.18	-52.90	-17.82	PASS

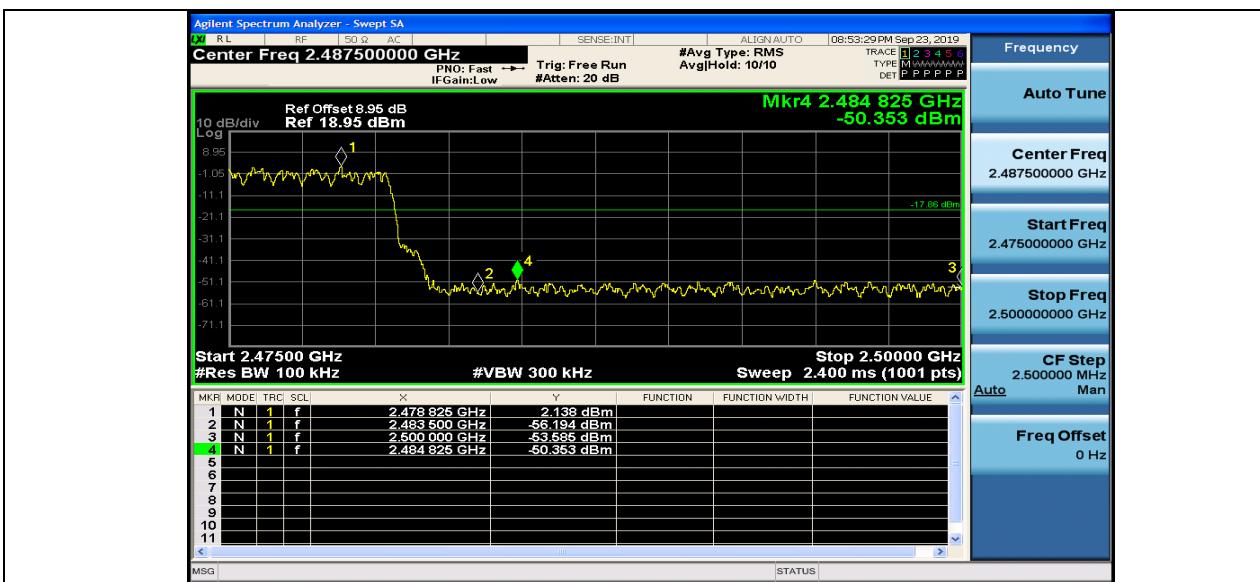
### Band-edge for RF Conducted Emissions\_DH5\_2402\_Hopping On



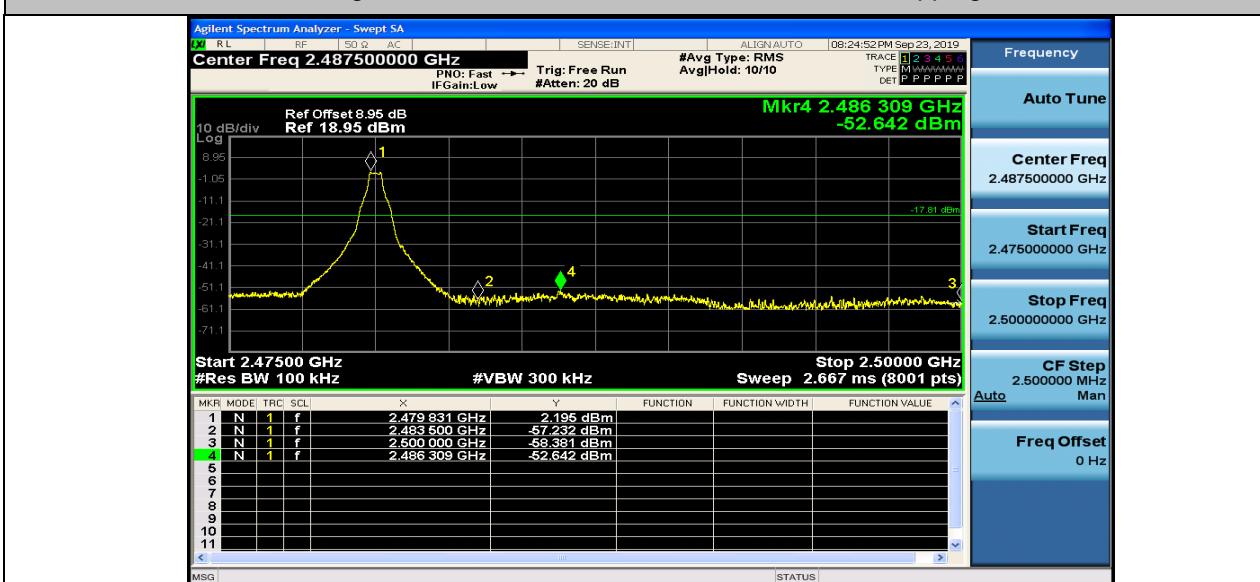
### Band-edge for RF Conducted Emissions\_DH5\_2402\_Hopping Off



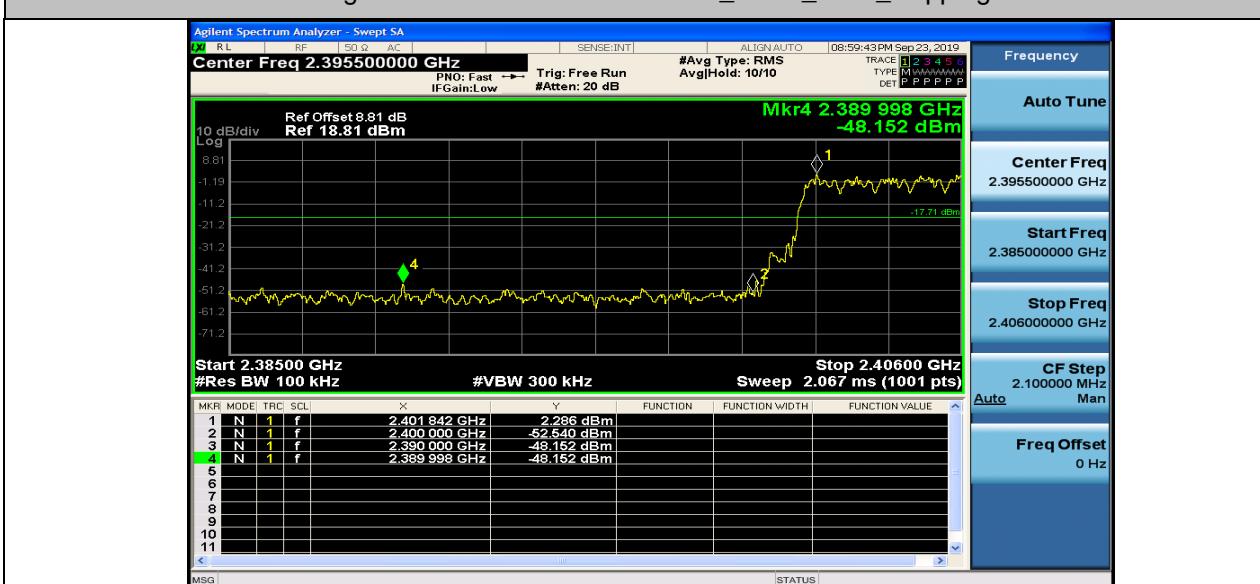
### Band-edge for RF Conducted Emissions\_DH5\_2480\_Hopping On



Band-edge for RF Conducted Emissions\_DH5\_2480\_Hopping Off



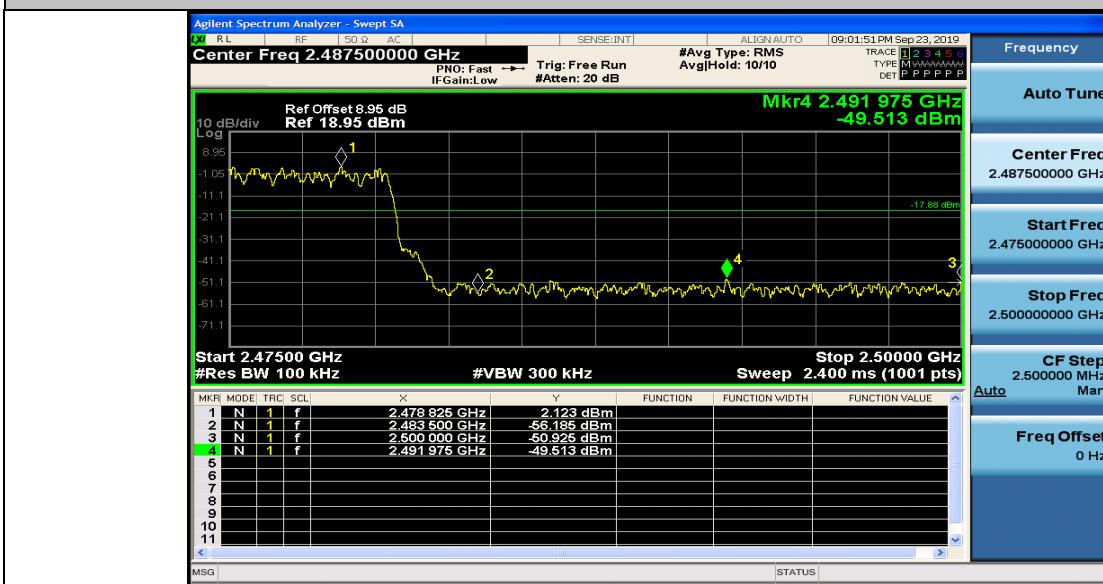
Band-edge for RF Conducted Emissions\_2DH5\_2402\_Hopping On



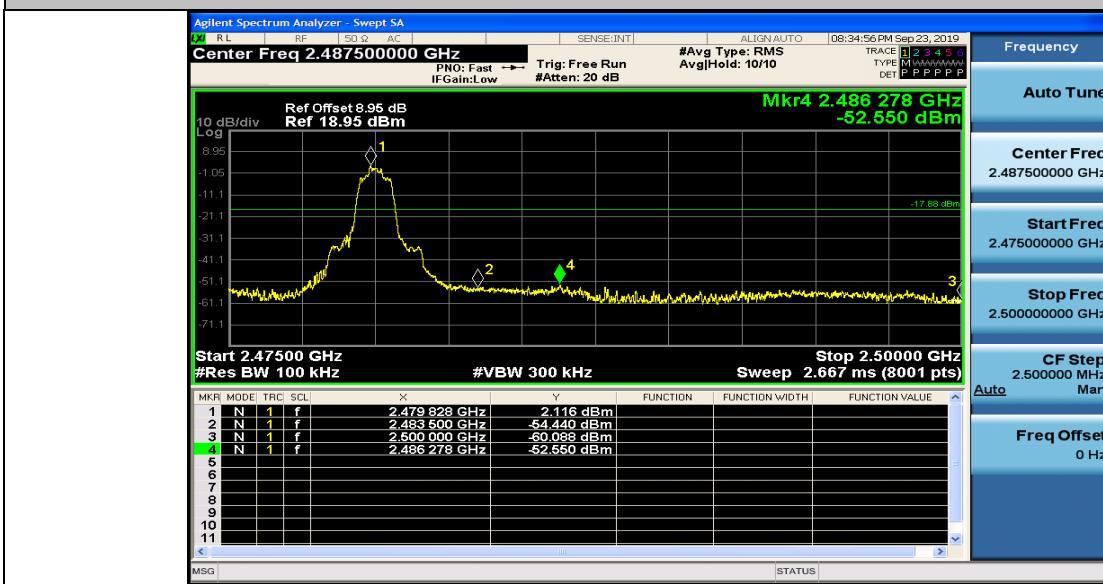
Band-edge for RF Conducted Emissions\_2DH5\_2402\_Hopping Off



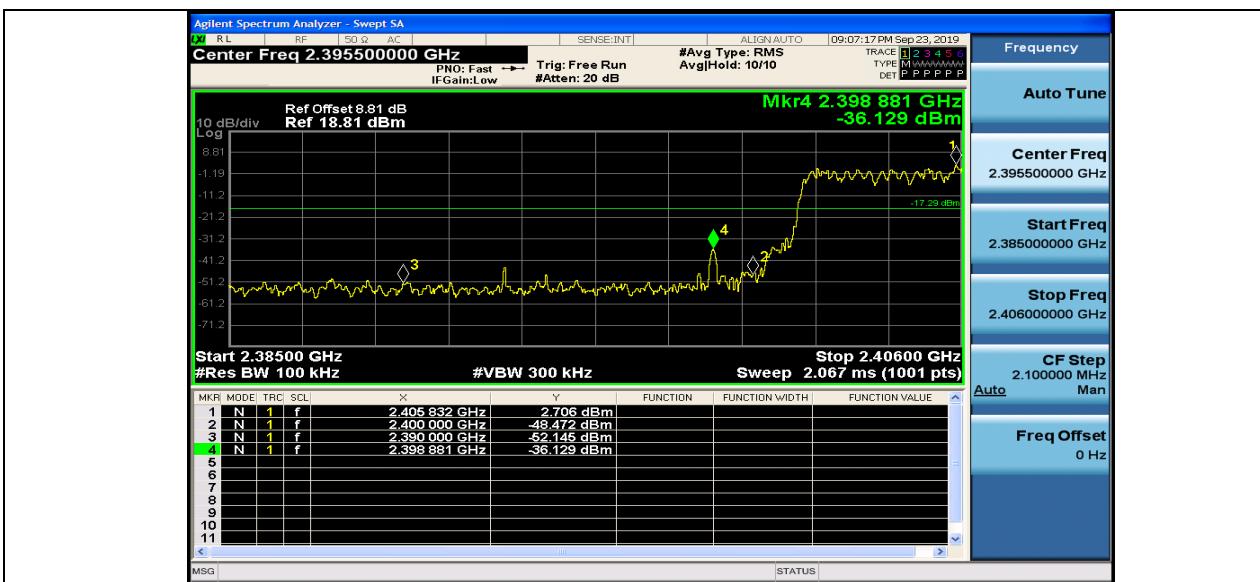
### Band-edge for RF Conducted Emissions\_2DH5\_2480\_Hopping On



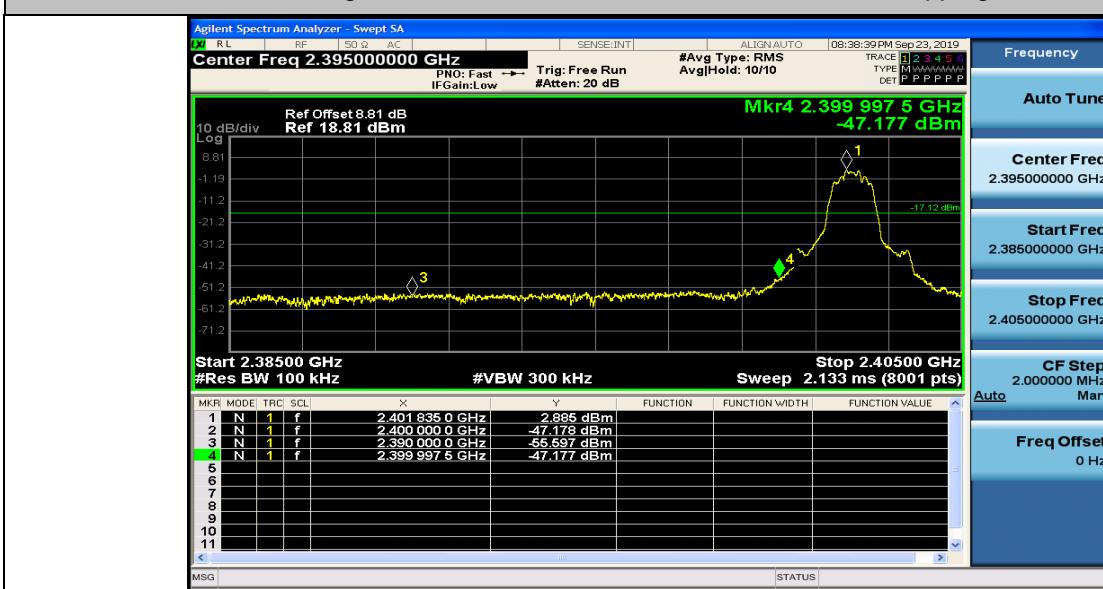
### Band-edge for RF Conducted Emissions\_2DH5\_2480\_Hopping Off



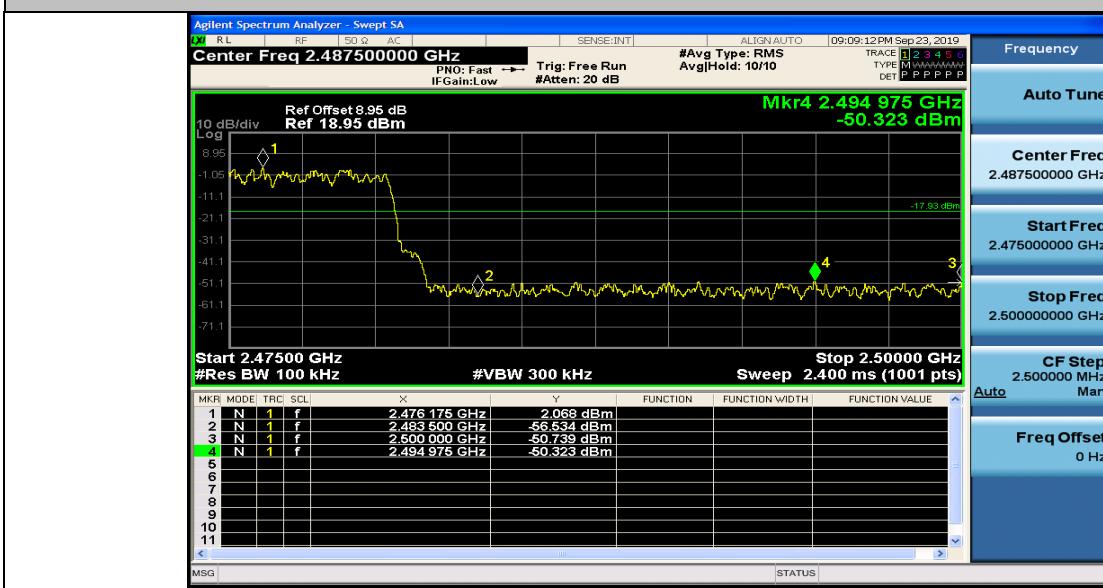
### Band-edge for RF Conducted Emissions\_3DH5\_2402\_Hopping On



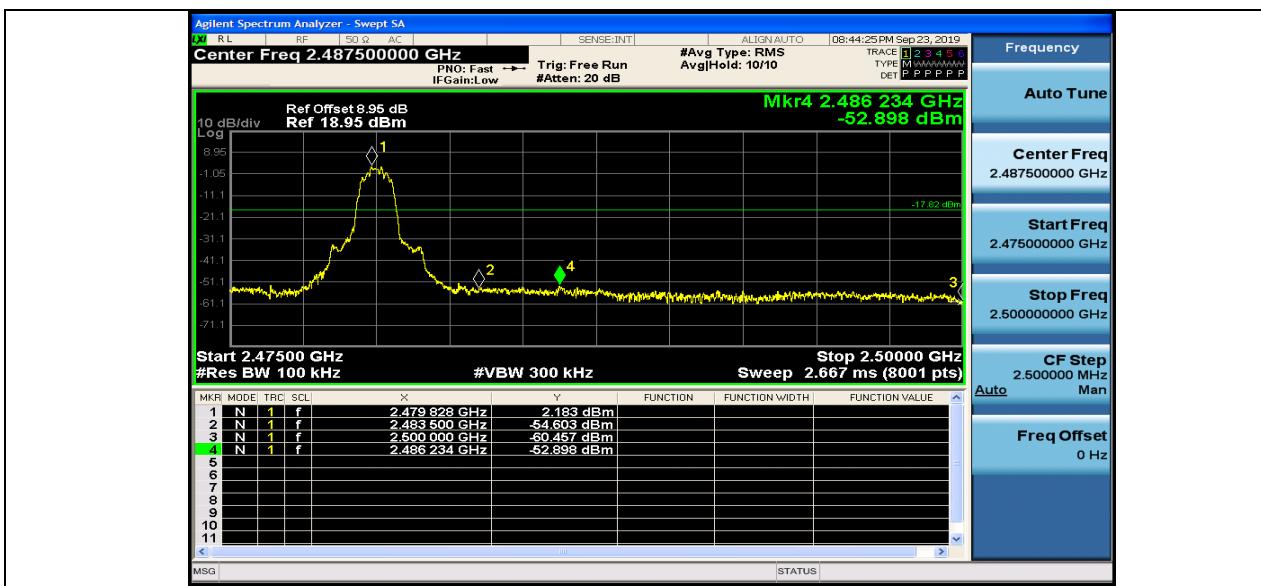
Band-edge for RF Conducted Emissions\_3DH5\_2402\_Hopping Off



Band-edge for RF Conducted Emissions\_3DH5\_2480\_Hopping On



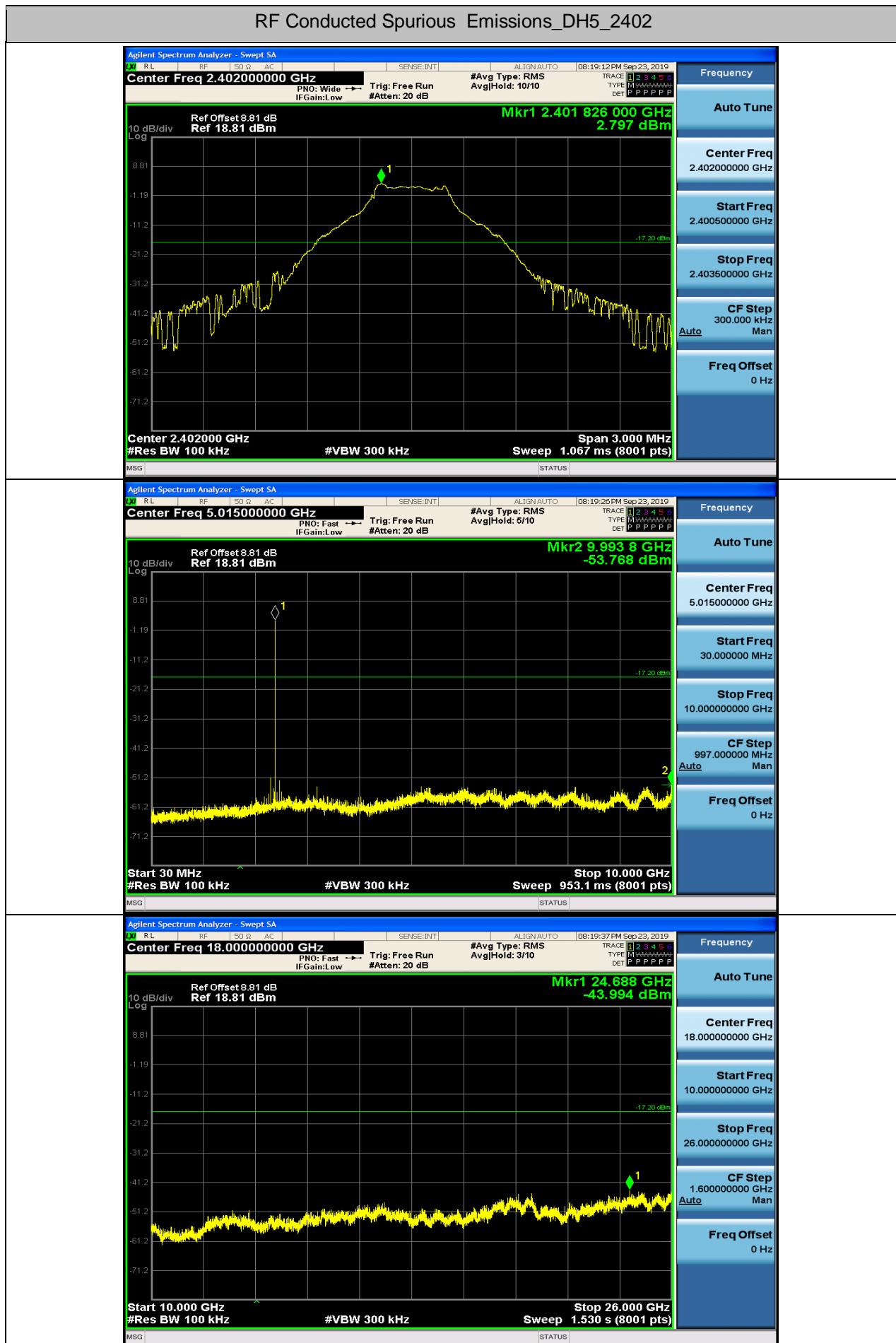
Band-edge for RF Conducted Emissions\_3DH5\_2480\_Hopping Off



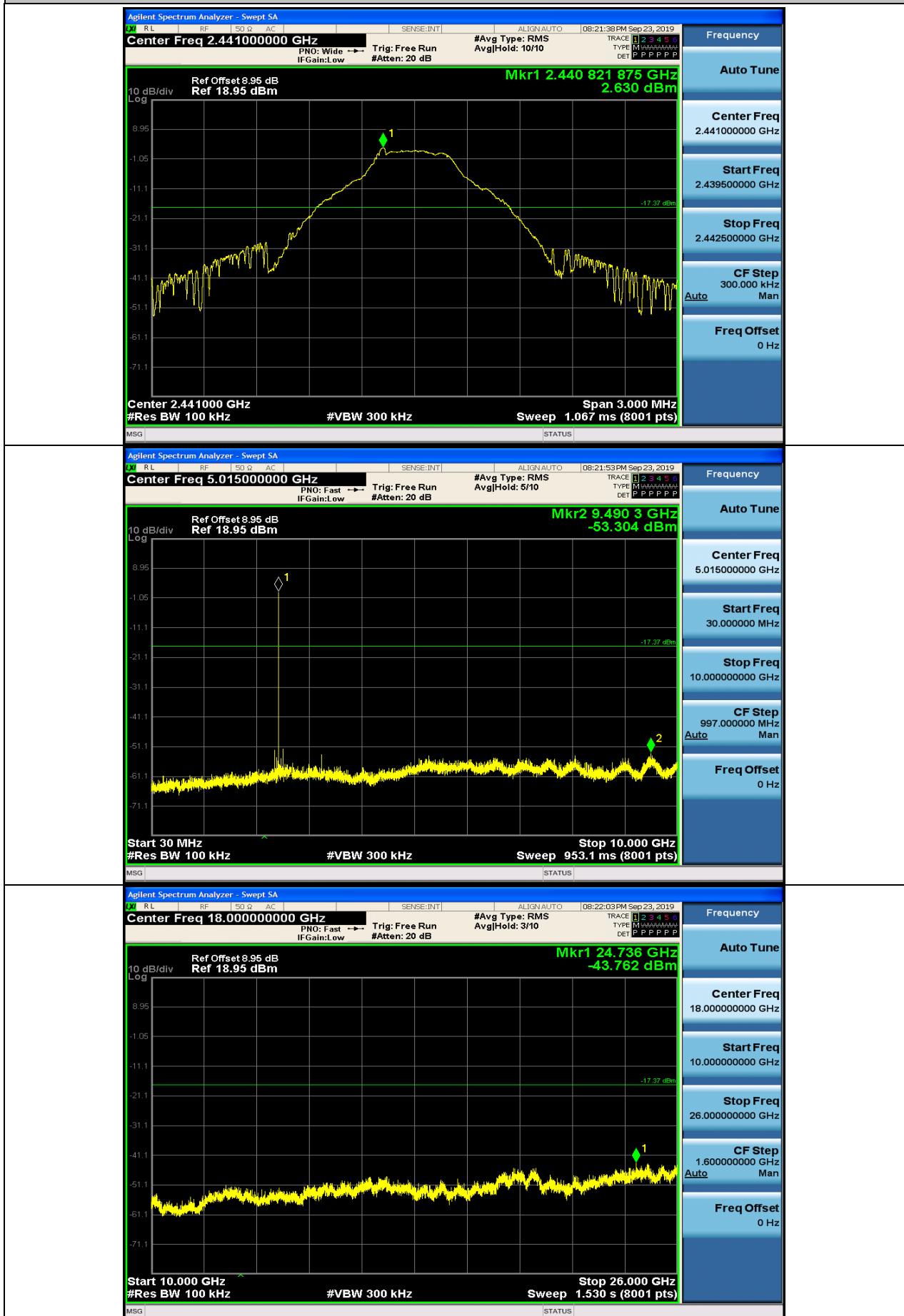


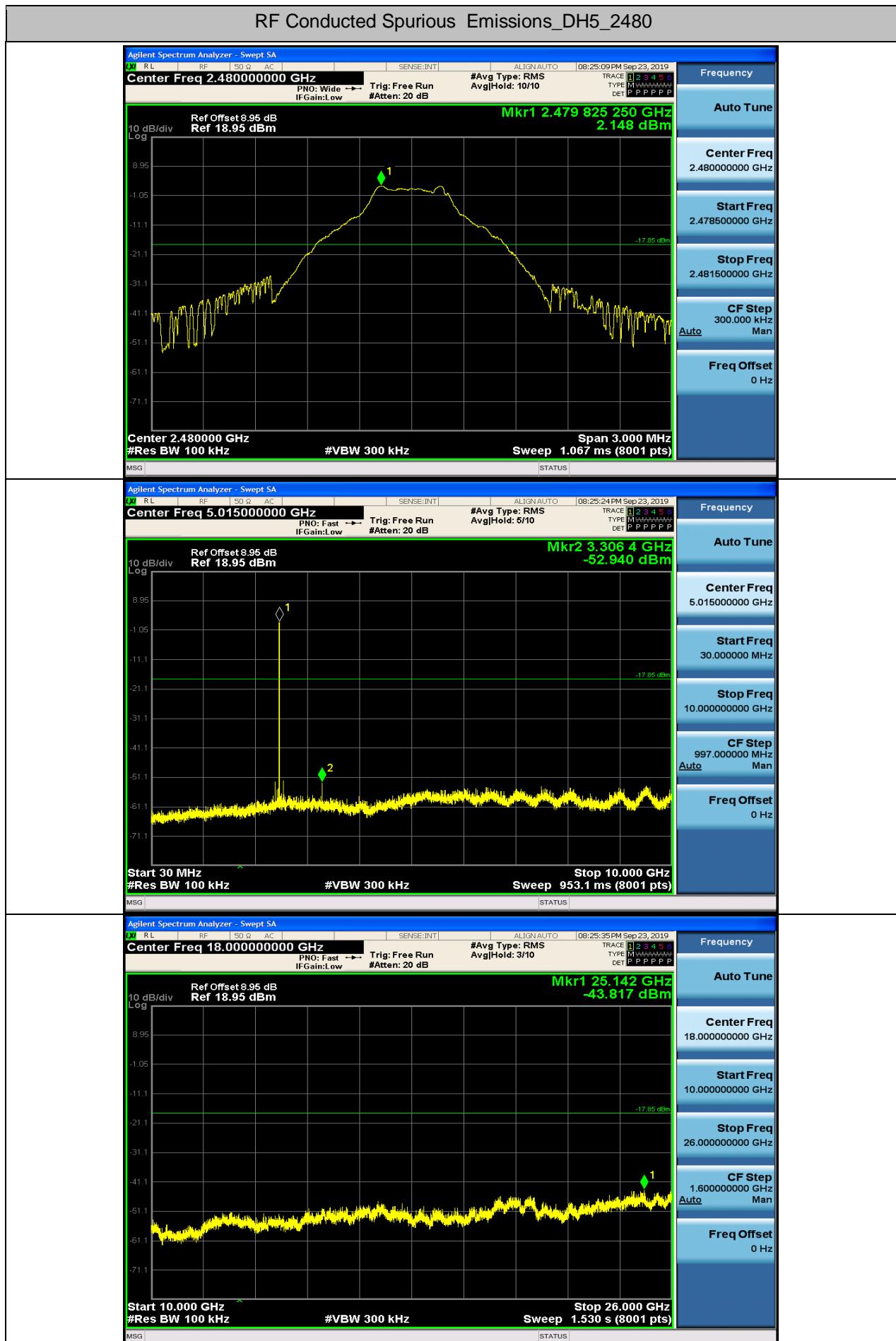
8.RF Conducted Spurious Emissions

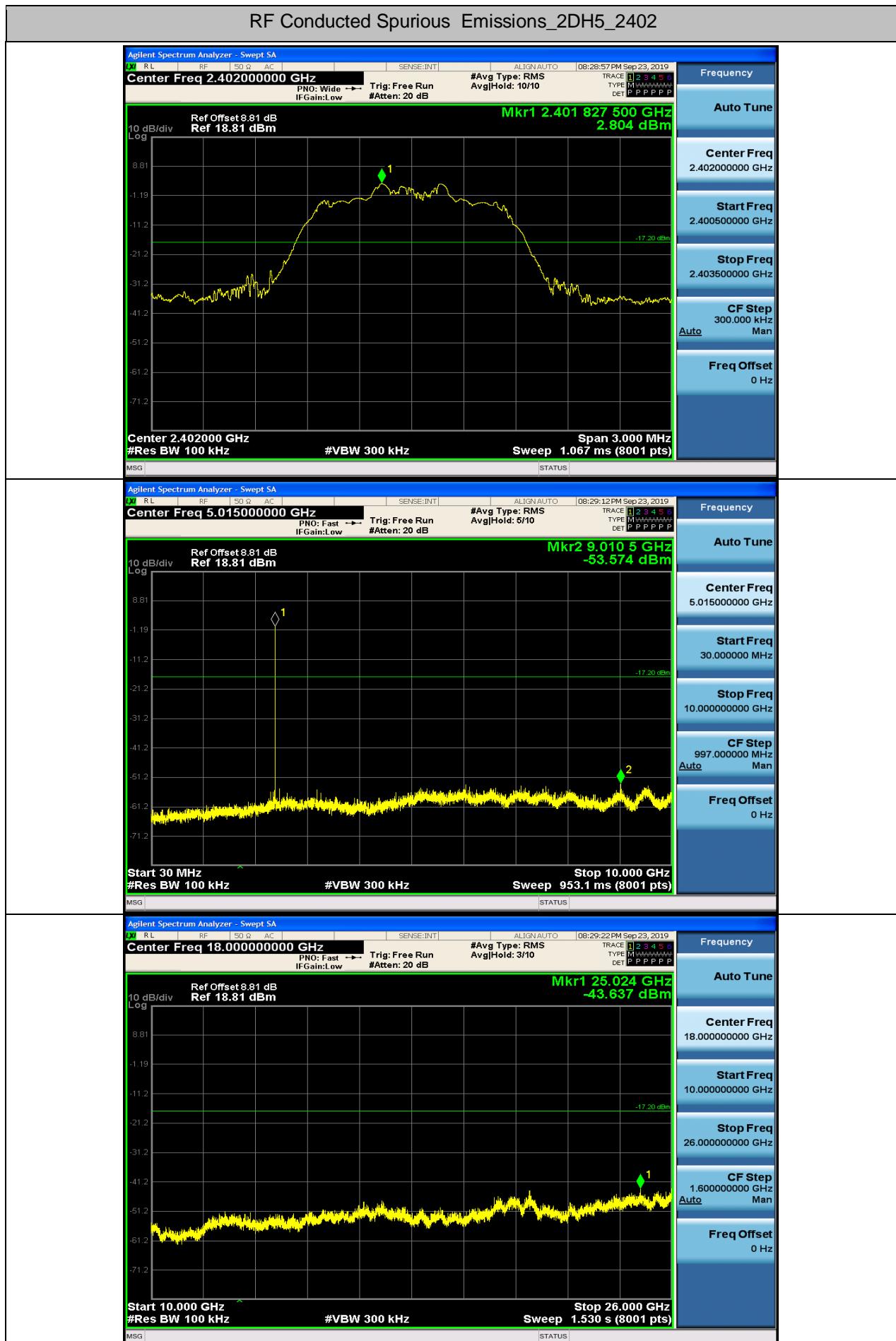
Test Mode	Test Channel	StartFre [MHz]	StopFre [MHz]	RBW [kHz]	VBW [kHz]	Pref[dBm]	Max. Level [dBm]	Limit [dBm]	Verdict
DH5	2402	30	10000	100	300	2.80	-53.77	<-17.20	PASS
DH5	2402	10000	26000	100	300	2.797	-43.994	<-17.203	PASS
DH5	2441	30	10000	100	300	2.63	-53.30	<-17.37	PASS
DH5	2441	10000	26000	100	300	2.63	-43.762	<-17.37	PASS
DH5	2480	30	10000	100	300	2.15	-52.94	<-17.85	PASS
DH5	2480	10000	26000	100	300	2.148	-43.817	<-17.852	PASS
2DH5	2402	30	10000	100	300	2.80	-53.57	<-17.20	PASS
2DH5	2402	10000	26000	100	300	2.804	-43.637	<-17.196	PASS
2DH5	2441	30	10000	100	300	2.62	-53.81	<-17.38	PASS
2DH5	2441	10000	26000	100	300	2.617	-44.031	<-17.383	PASS
2DH5	2480	30	10000	100	300	2.15	-52.49	<-17.85	PASS
2DH5	2480	10000	26000	100	300	2.15	-44.061	<-17.85	PASS
3DH5	2402	30	10000	100	300	1.95	-53.82	<-18.05	PASS
3DH5	2402	10000	26000	100	300	1.948	-43.425	<-18.052	PASS
3DH5	2441	30	10000	100	300	2.61	-53.50	<-17.39	PASS
3DH5	2441	10000	26000	100	300	2.606	-43.547	<-17.394	PASS
3DH5	2480	30	10000	100	300	1.53	-52.48	<-18.47	PASS
3DH5	2480	10000	26000	100	300	1.526	-44.711	<-18.474	PASS



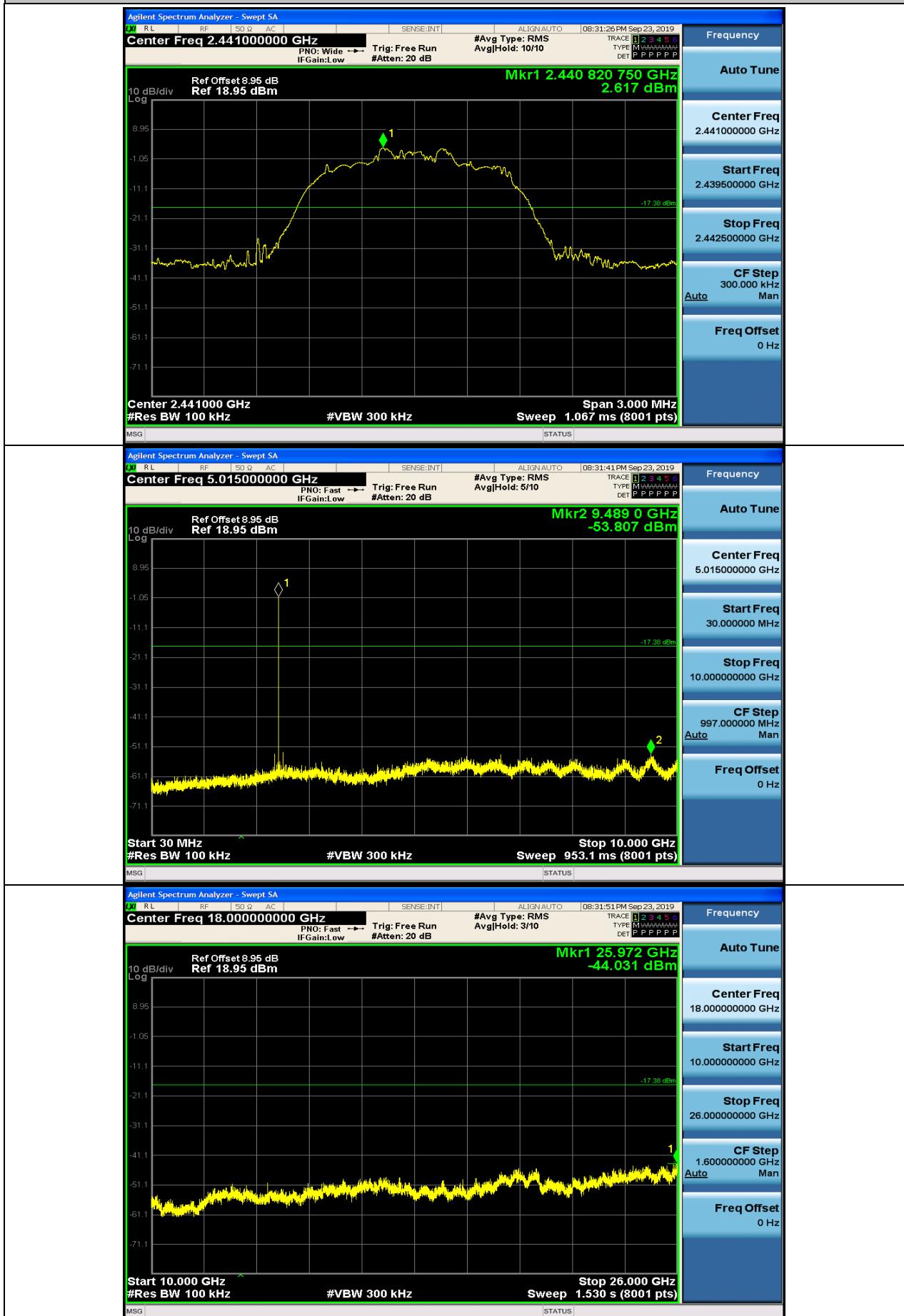
## RF Conducted Spurious Emissions\_DH5\_2441

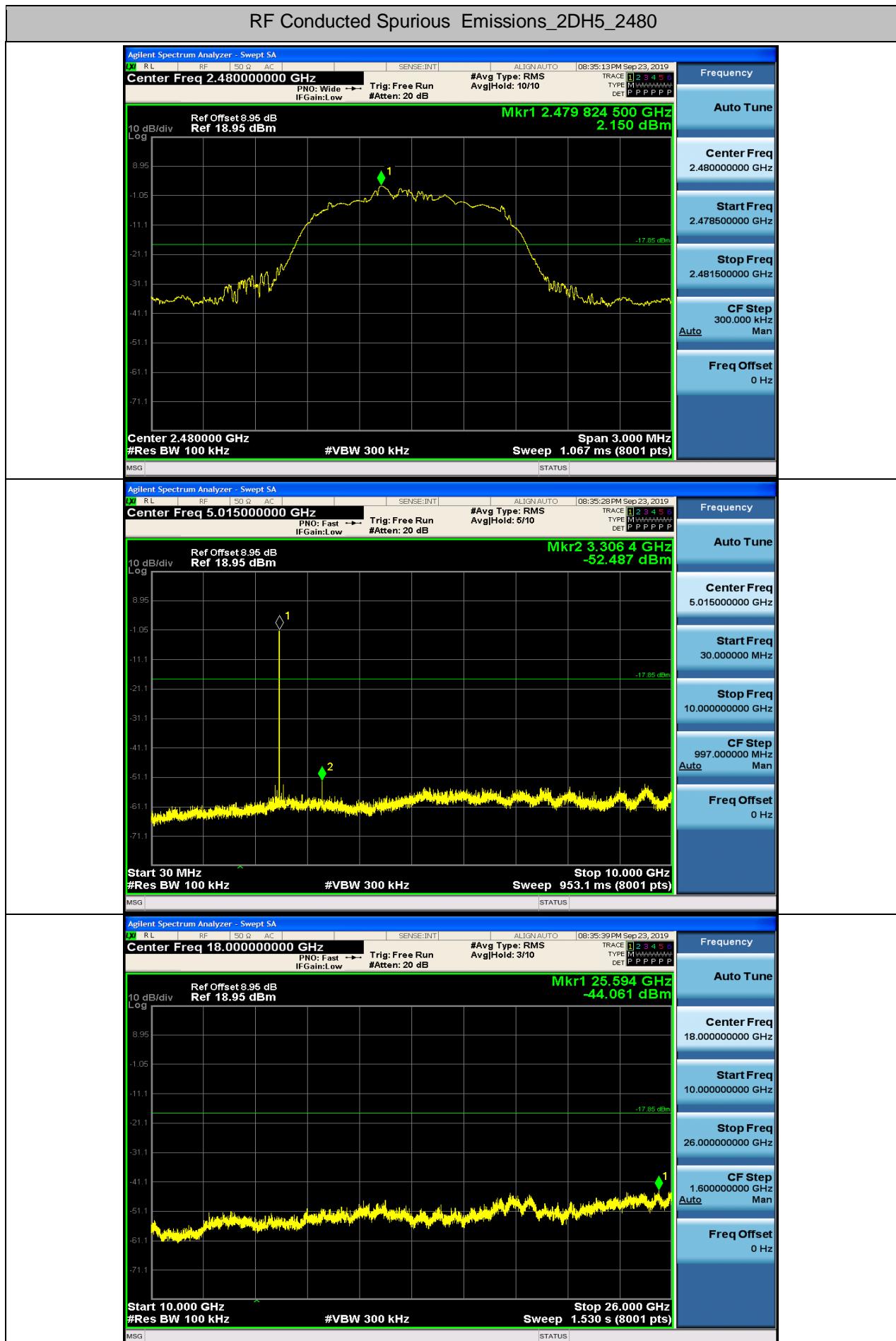


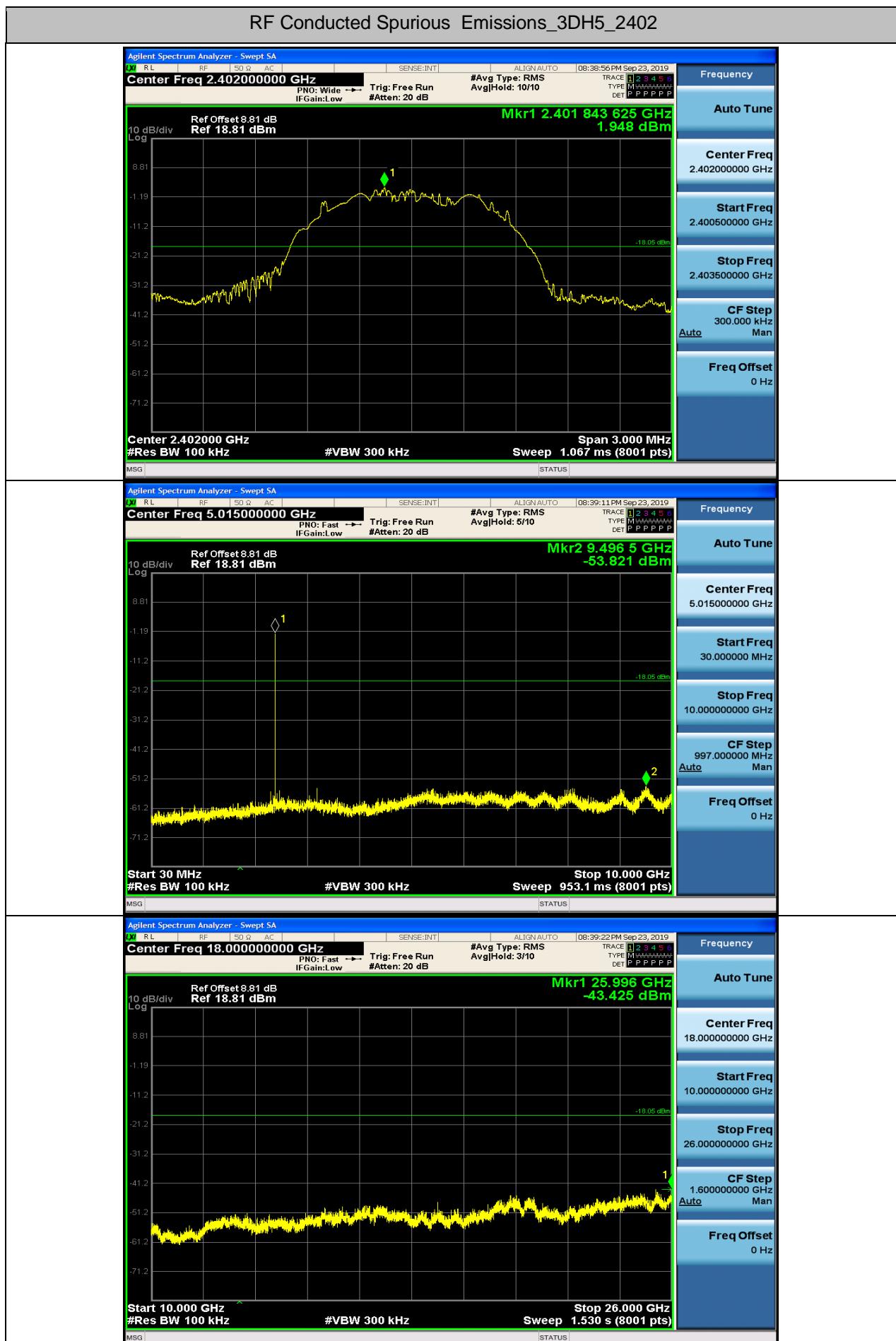


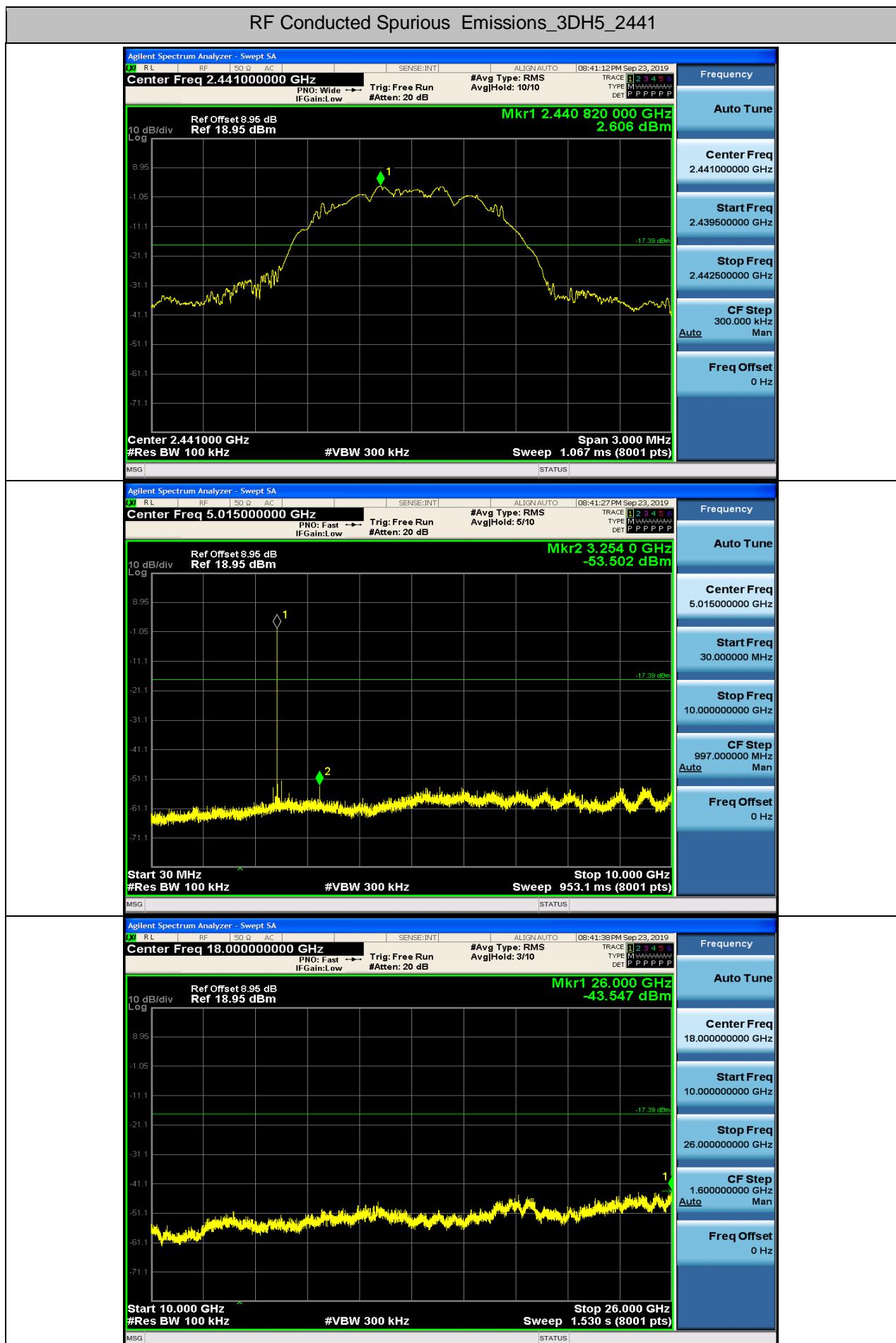


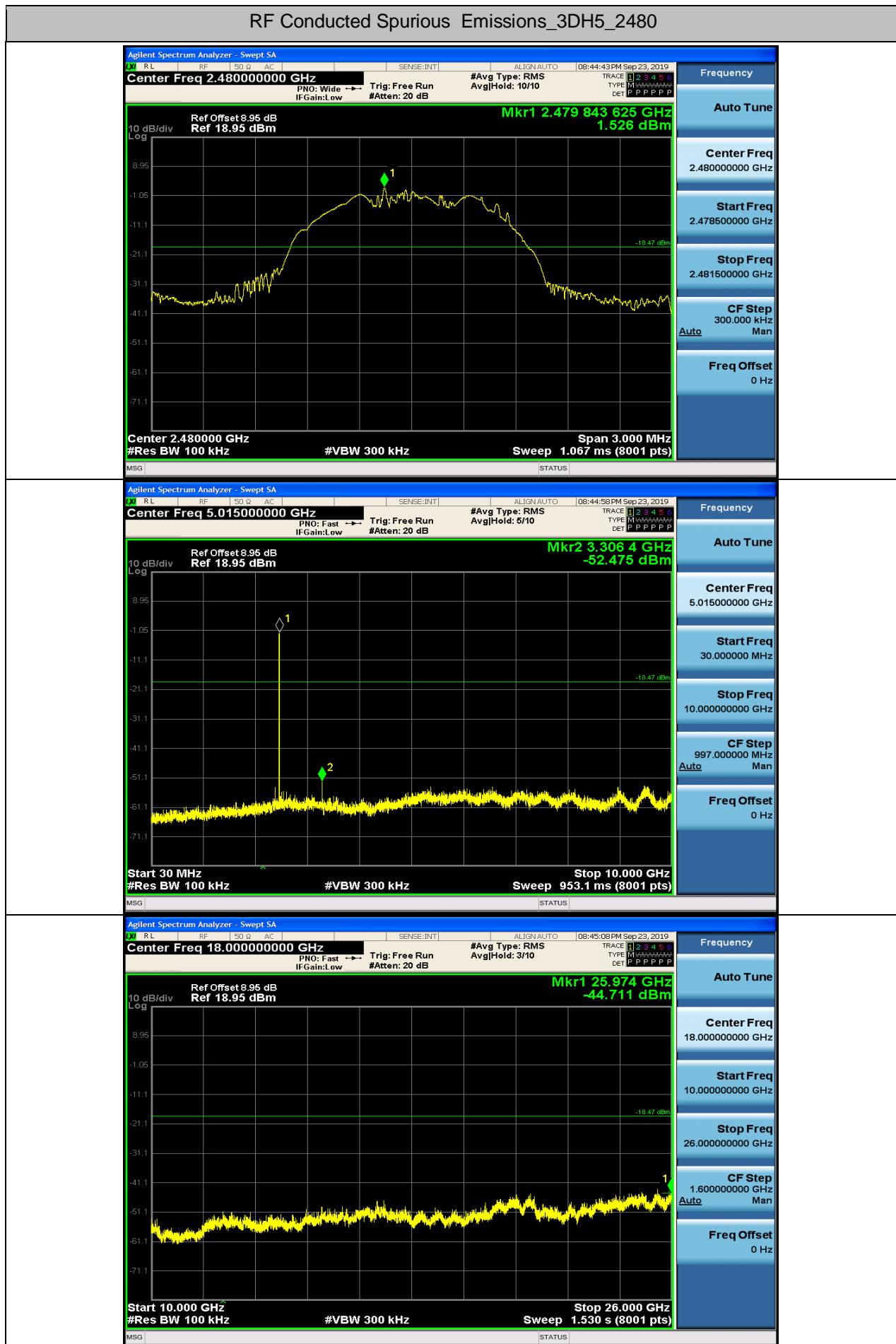
## RF Conducted Spurious Emissions\_2DH5\_2441













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