

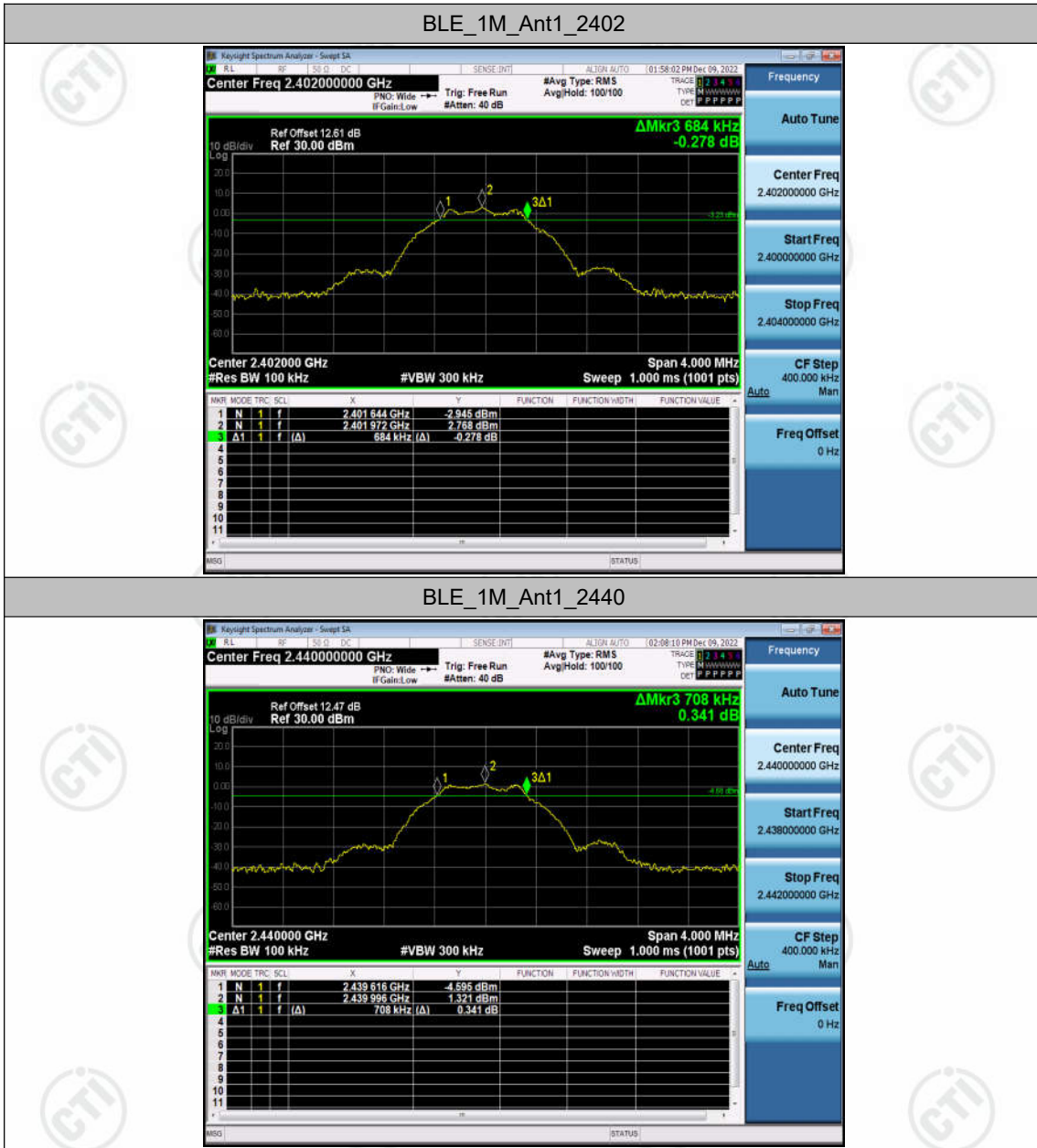
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**Appendix A: DTS Bandwidth****Test Result**

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.684	2401.644	2402.328	0.5	PASS
		2440	0.708	2439.616	2440.324	0.5	PASS
		2480	0.700	2479.632	2480.332	0.5	PASS
BLE_2M	Ant1	2402	1.172	2401.400	2402.572	0.5	PASS
		2440	1.144	2439.412	2440.556	0.5	PASS
		2480	1.136	2479.396	2480.532	0.5	PASS

## Test Graphs



## BLE\_1M\_Ant1\_2480



## BLE\_2M\_Ant1\_2402





## BLE\_2M\_Ant1\_2440



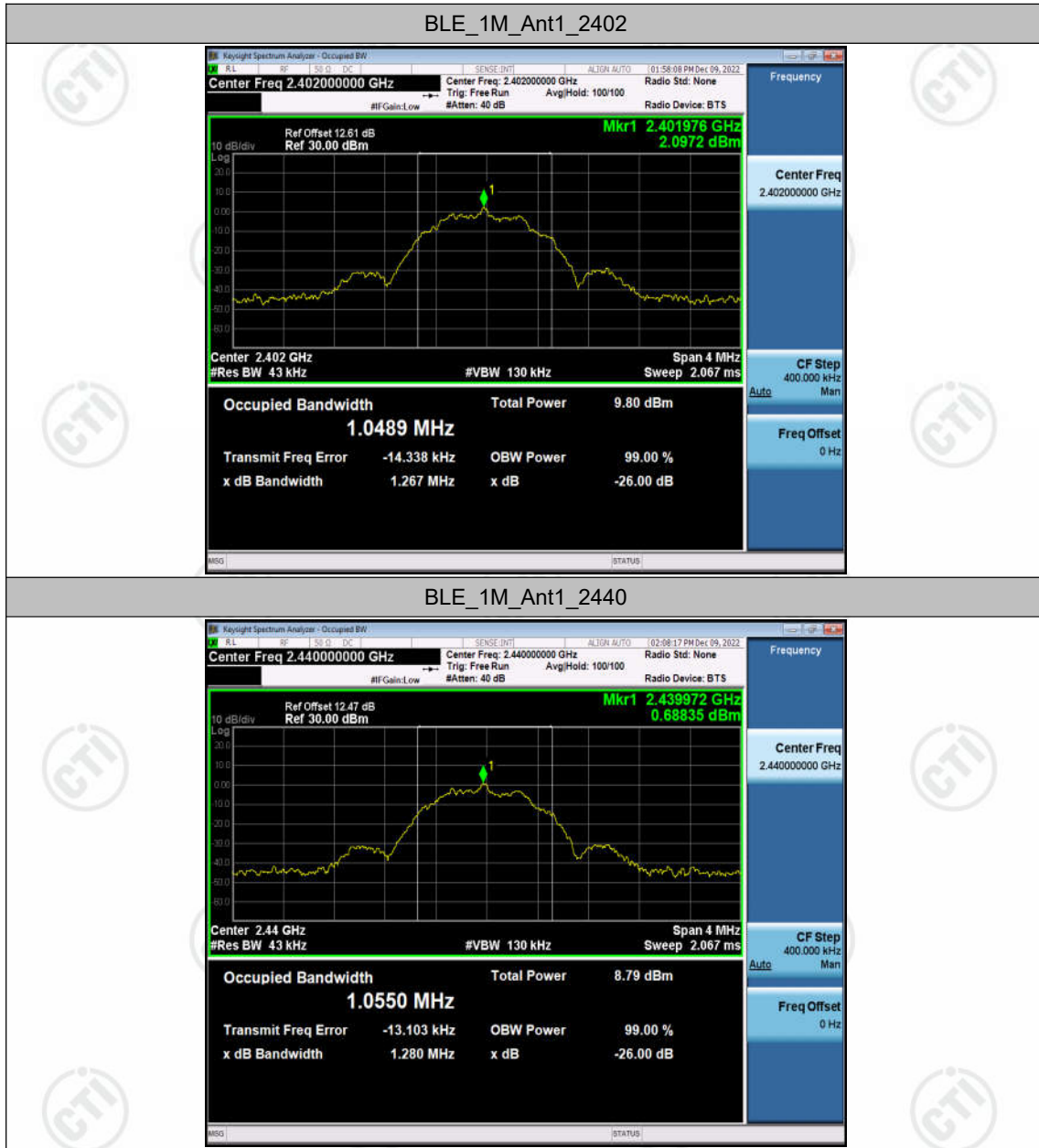
## BLE\_2M\_Ant1\_2480



**Appendix B: Occupied Channel Bandwidth****Test Result**

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit [MHz]	Verdict
BLE_1M	Ant1	2402	1.0489	2401.4612	2402.5101	---	---
		2440	1.0550	2439.4594	2440.5144	---	---
		2480	1.0505	2479.4577	2480.5082	---	---
BLE_2M	Ant1	2402	2.0547	2400.9715	2403.0262	---	---
		2440	2.0529	2438.9733	2441.0262	---	---
		2480	2.0554	2478.9705	2481.0259	---	---

## Test Graphs





## BLE\_1M\_Ant1\_2480



## BLE\_2M\_Ant1\_2402



## BLE\_2M\_Ant1\_2440



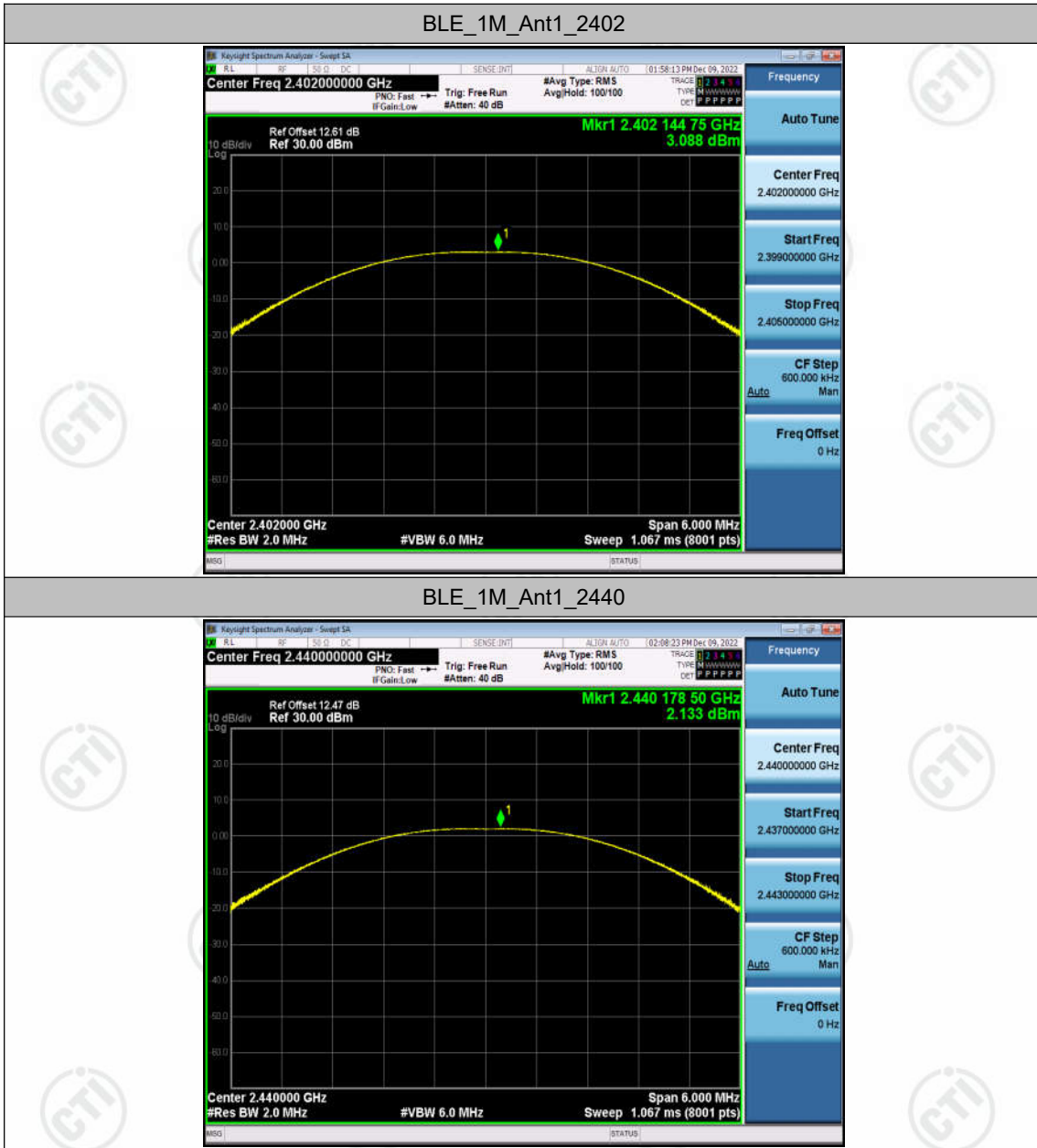
## BLE\_2M\_Ant1\_2480



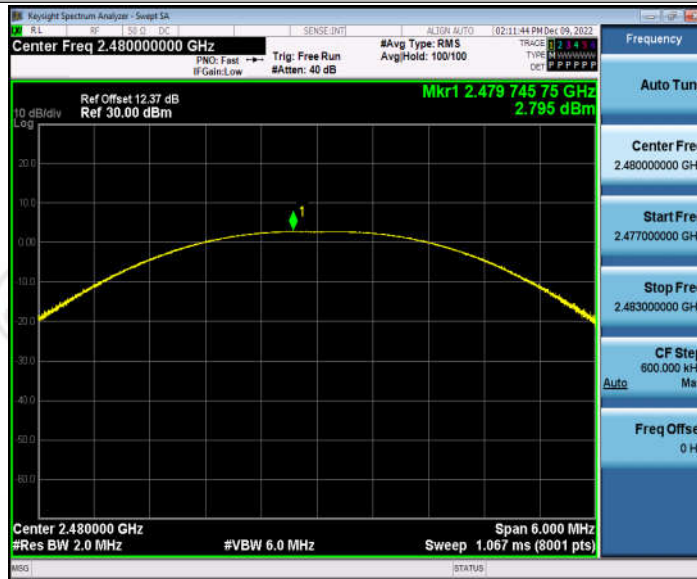
**Appendix C: Maximum conducted output power****Test Result Peak**

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	<b>3.09</b>	≤30	PASS
		2440	2.13	≤30	PASS
		2480	2.80	≤30	PASS
BLE_2M	Ant1	2402	3.05	≤30	PASS
		2440	2.13	≤30	PASS
		2480	2.83	≤30	PASS

## Test Graphs Peak



## BLE\_1M\_Ant1\_2480



## BLE\_2M\_Ant1\_2402





## BLE\_2M\_Ant1\_2440



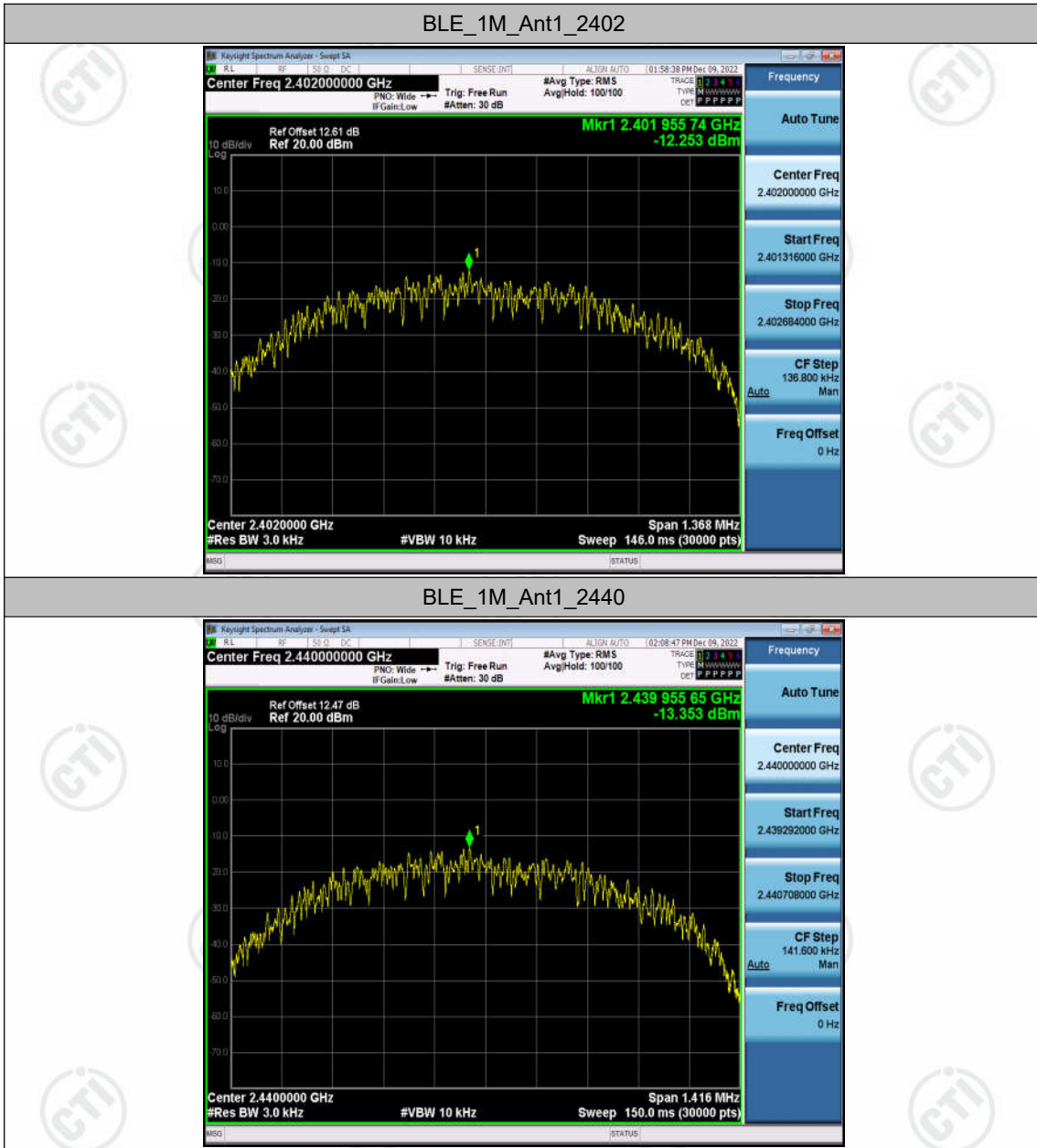
## BLE\_2M\_Ant1\_2480



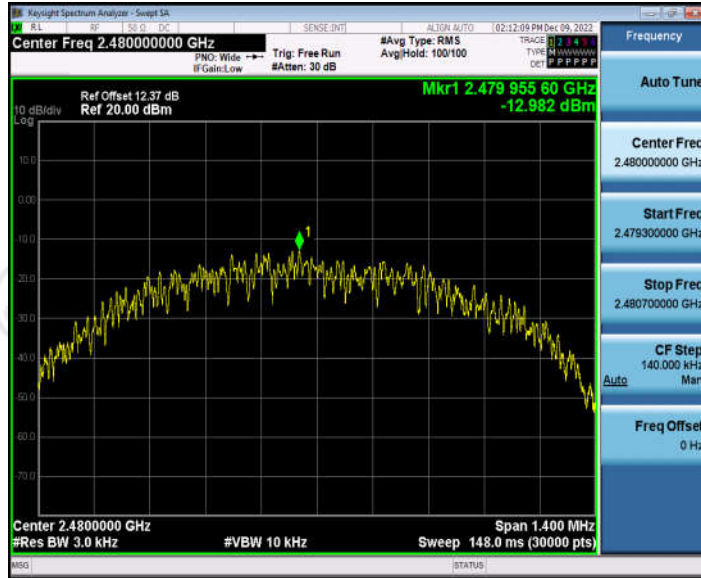
**Appendix D: Maximum power spectral density****Test Result**

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.25	≤8.00	PASS
		2440	-13.35	≤8.00	PASS
		2480	-12.98	≤8.00	PASS
BLE_2M	Ant1	2402	-14.76	≤8.00	PASS
		2440	-15.86	≤8.00	PASS
		2480	-15.34	≤8.00	PASS

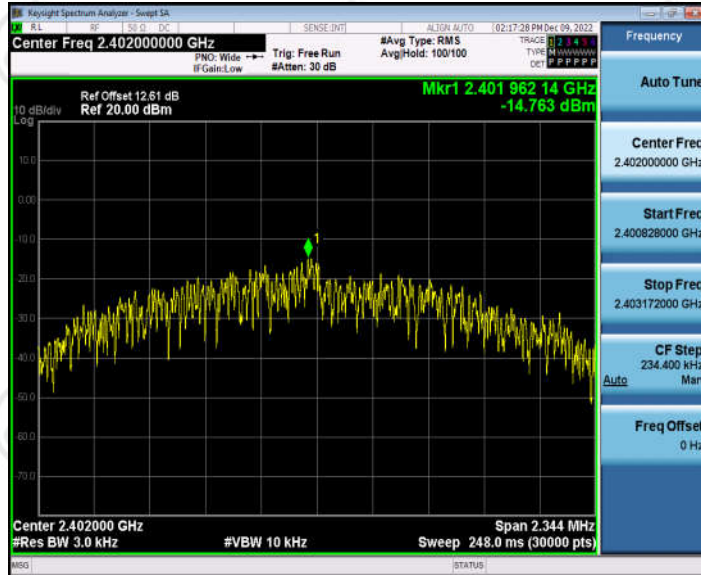
## Test Graphs



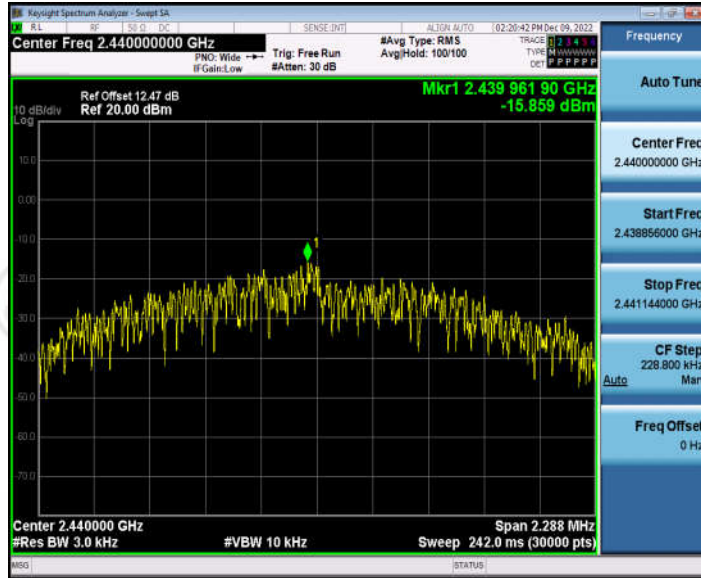
## BLE\_1M\_Ant1\_2480



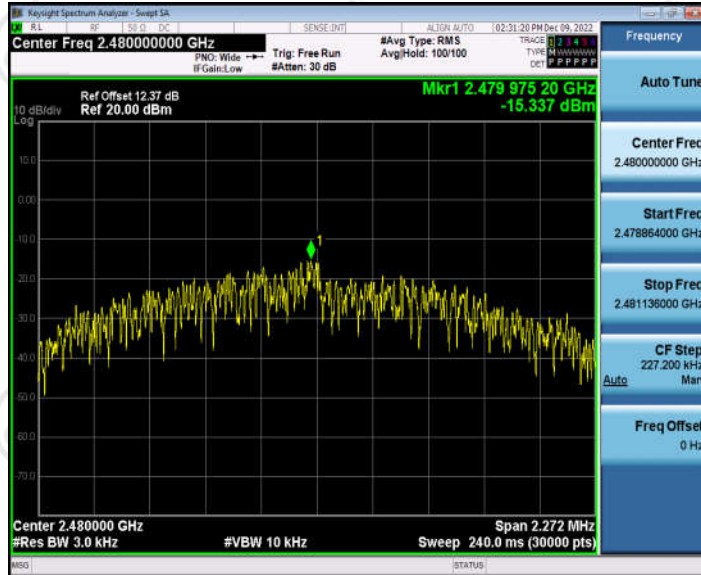
## BLE\_2M\_Ant1\_2402



## BLE\_2M\_Ant1\_2440



## BLE\_2M\_Ant1\_2480

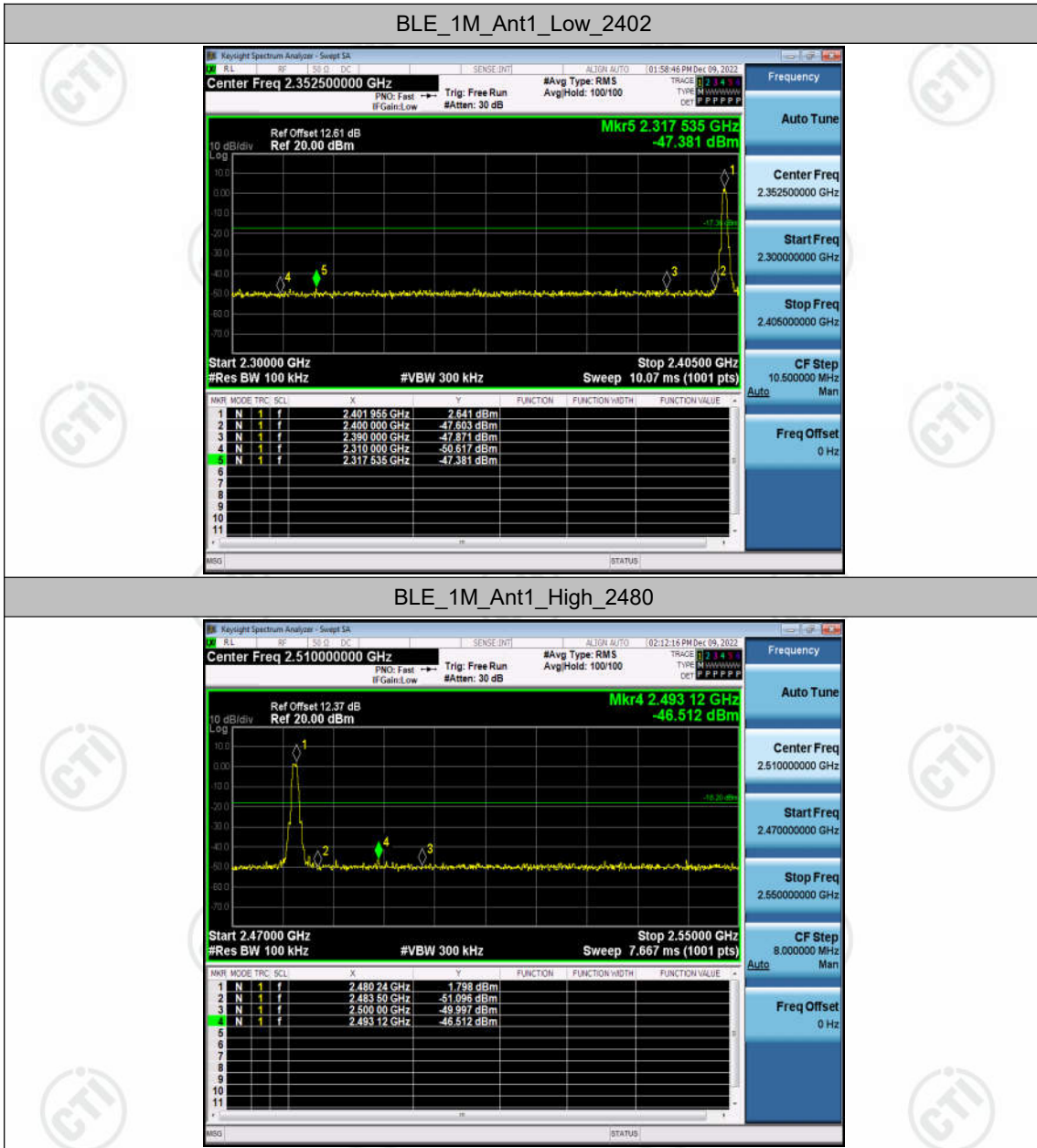




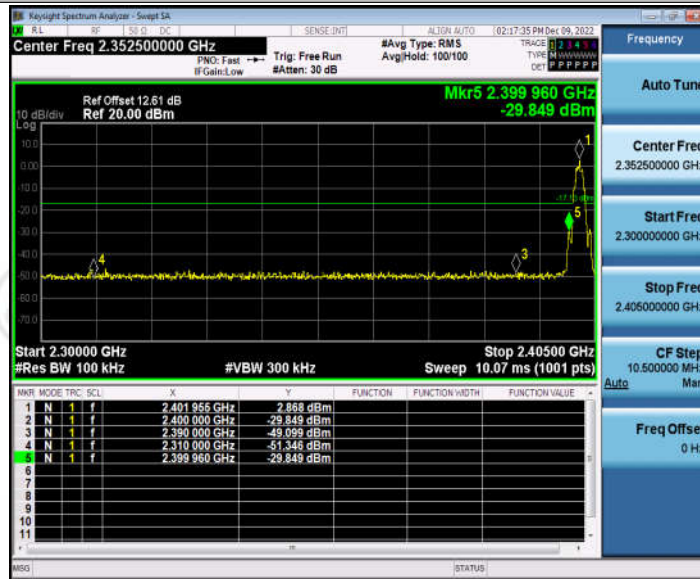
**Appendix F: Band edge measurements****Test Result**

Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.64	-47.38	≤-17.36	PASS
		High	2480	1.80	-46.51	≤-18.2	PASS
BLE_2M	Ant1	Low	2402	2.87	-29.85	≤-17.13	PASS
		High	2480	2.45	-47.36	≤-17.55	PASS

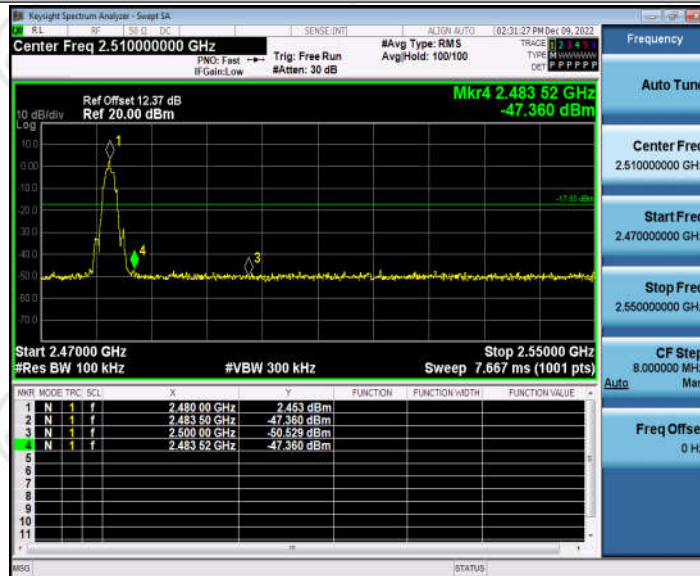
## Test Graphs



## BLE\_2M\_Ant1\_Low\_2402



## BLE\_2M\_Ant1\_High\_2480

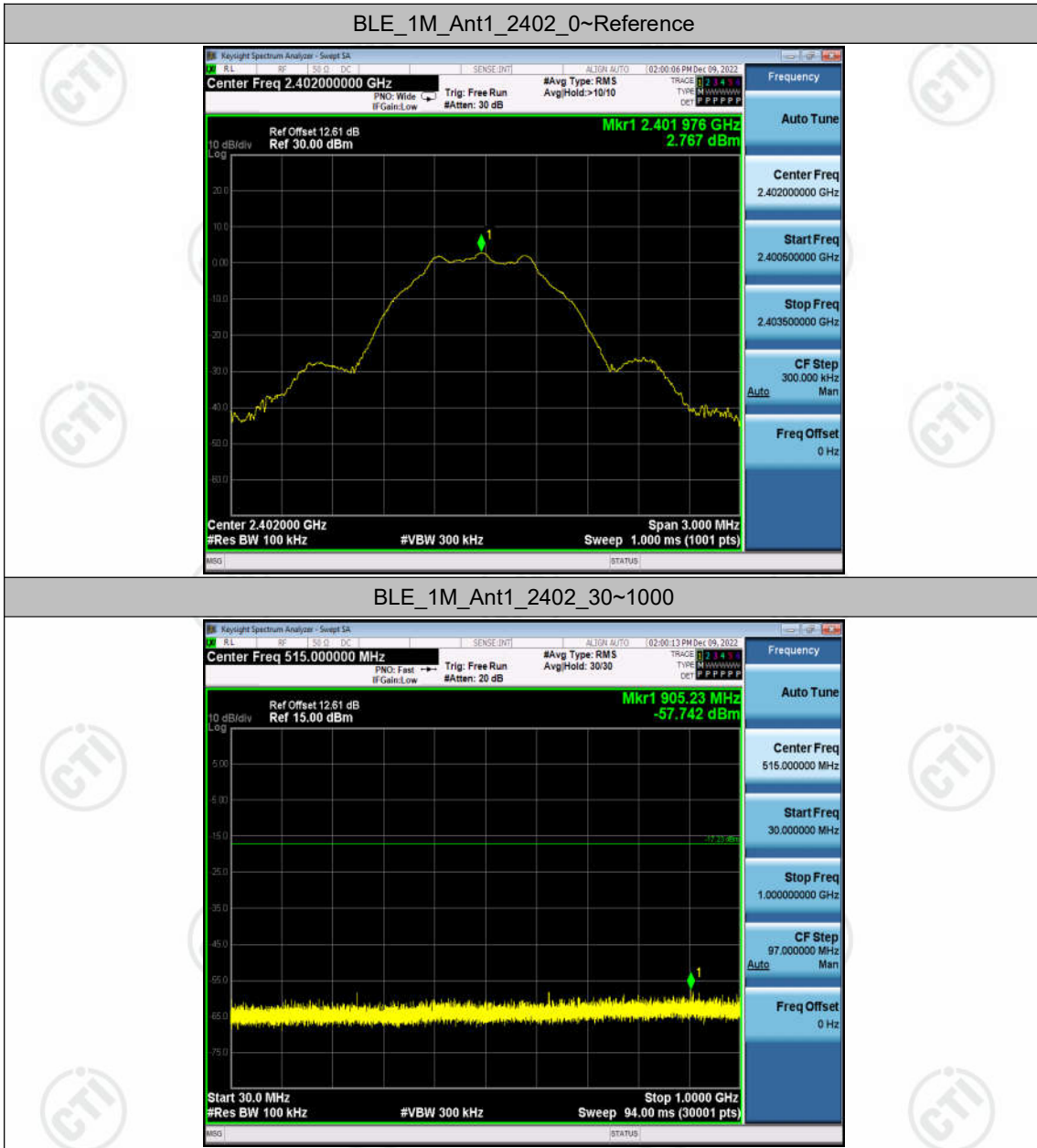


## Appendix G: Conducted Spurious Emission

### Test Result

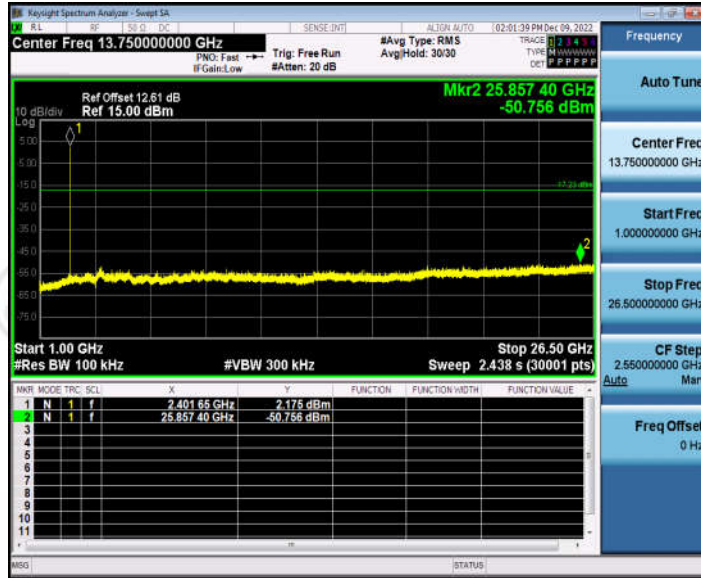
Test Mode	Antenna	Frequency[MHz]	Freq Range [MHz]	Ref Level [dBm]	Result [dBm]	Limit[dBm]	Verdict	
BLE_1M	Ant1	2402	Reference	2.77	2.77	---	PASS	
			30~1000	2.77	-57.74	≤-17.23	PASS	
			1000~26500	2.77	-50.76	≤-17.23	PASS	
		2440	Ant1	Reference	1.83	1.83	---	PASS
				30~1000	1.83	-58.34	≤-18.17	PASS
				1000~26500	1.83	-50.19	≤-18.17	PASS
		2480	Ant1	Reference	2.46	2.46	---	PASS
				30~1000	2.46	-58.78	≤-17.54	PASS
				1000~26500	2.46	-50.39	≤-17.54	PASS
BLE_2M	Ant1	2402	Reference	2.72	2.72	---	PASS	
			30~1000	2.72	-58.17	≤-17.28	PASS	
			1000~26500	2.72	-50.08	≤-17.28	PASS	
		2440	Ant1	Reference	1.81	1.81	---	PASS
				30~1000	1.81	-57.86	≤-18.19	PASS
				1000~26500	1.81	-50.46	≤-18.19	PASS
		2480	Ant1	Reference	2.47	2.47	---	PASS
				30~1000	2.47	-58.07	≤-17.53	PASS
				1000~26500	2.47	-49.49	≤-17.53	PASS

## Test Graphs





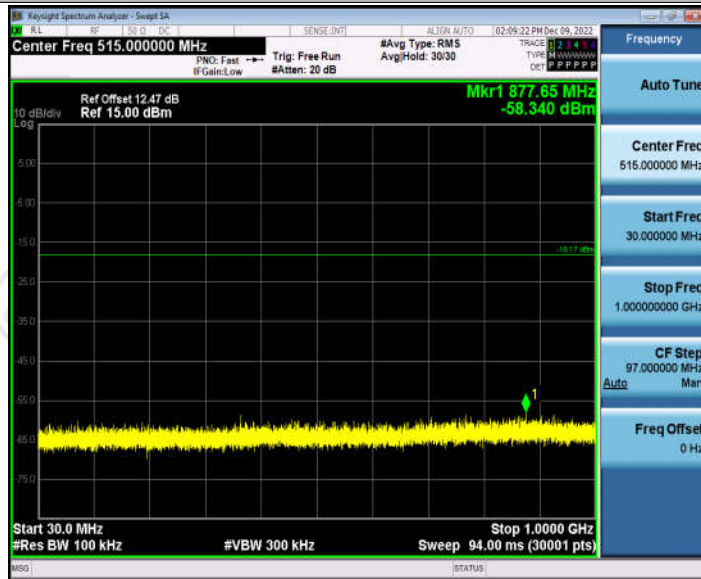
BLE\_1M\_Ant1\_2402\_1000~26500



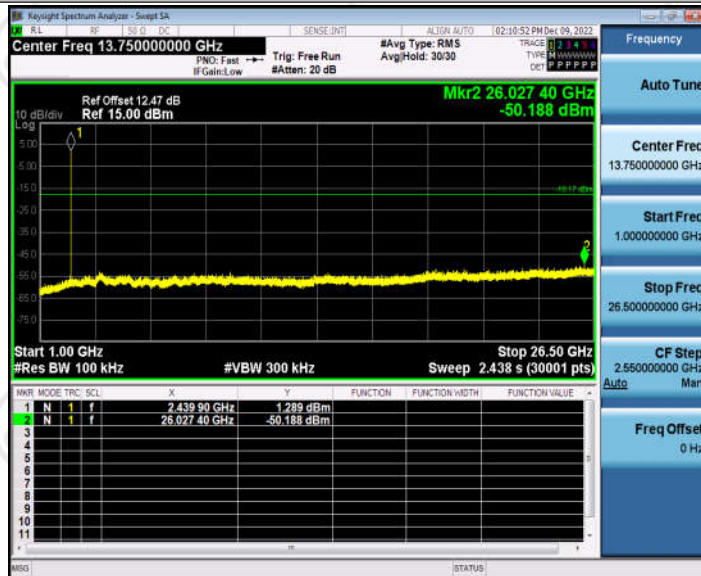
BLE\_1M\_Ant1\_2440\_0~Reference



BLE\_1M\_Ant1\_2440\_30~1000



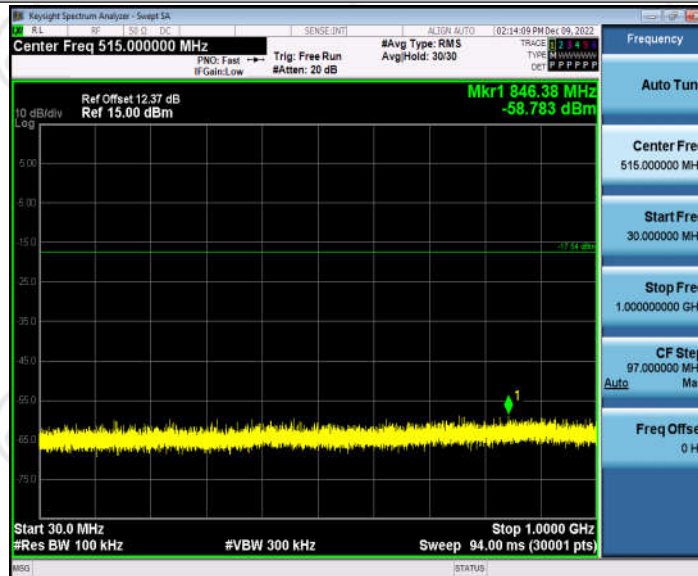
BLE\_1M\_Ant1\_2440\_1000~26500



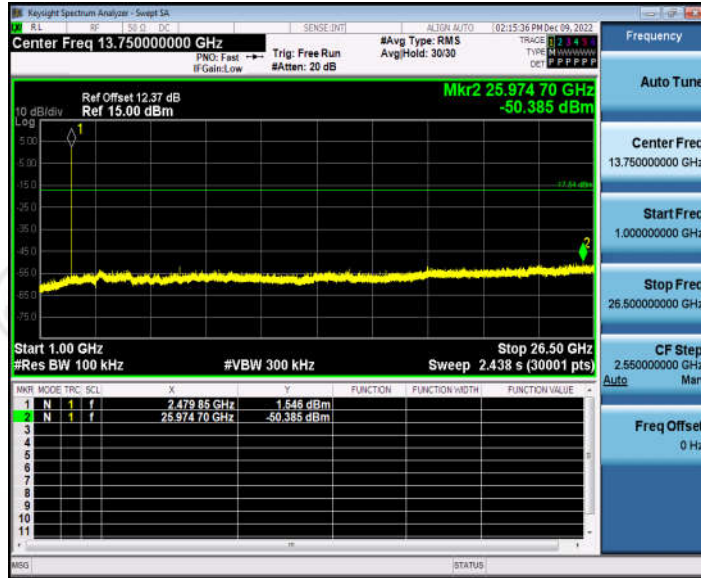
## BLE\_1M\_Ant1\_2480\_0~Reference



## BLE\_1M\_Ant1\_2480\_30~1000



## BLE\_1M\_Ant1\_2480\_1000~26500

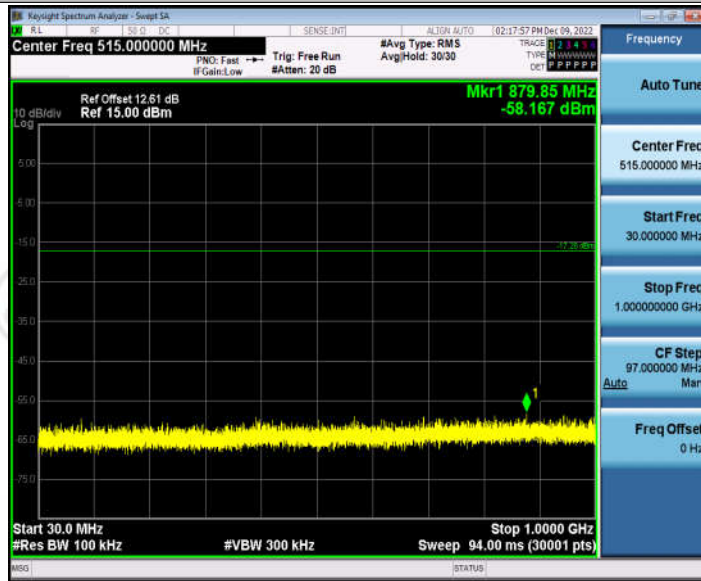


## BLE\_2M\_Ant1\_2402\_0~Reference

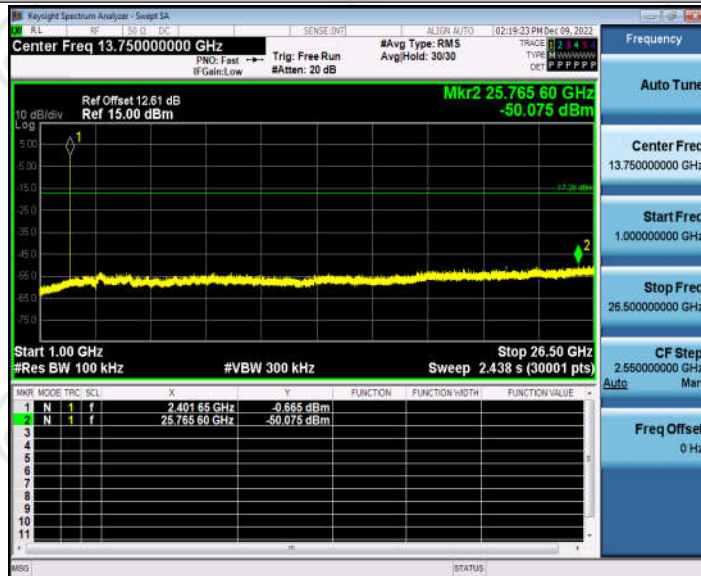




BLE\_2M\_Ant1\_2402\_30~1000



BLE\_2M\_Ant1\_2402\_1000~26500

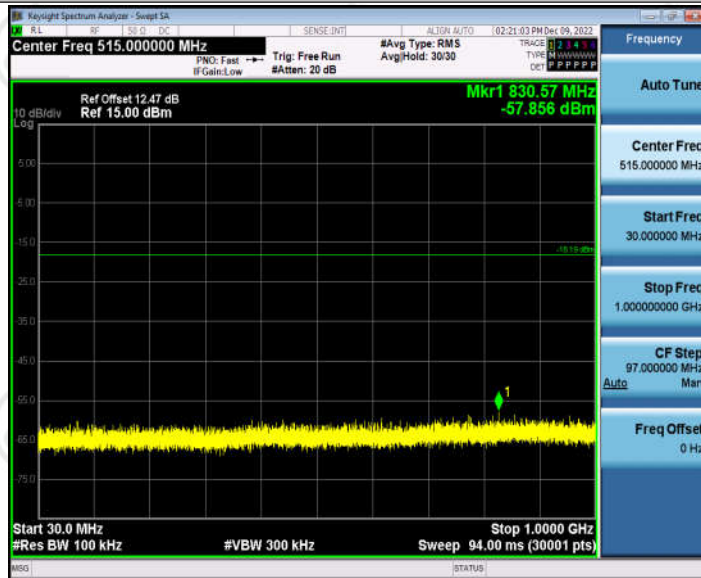




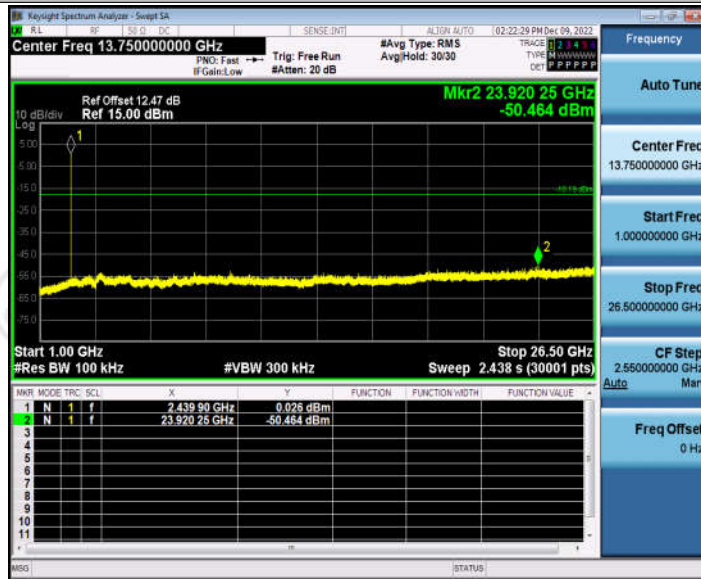
### BLE\_2M\_Ant1\_2440\_0~Reference



### BLE\_2M\_Ant1\_2440\_30~1000



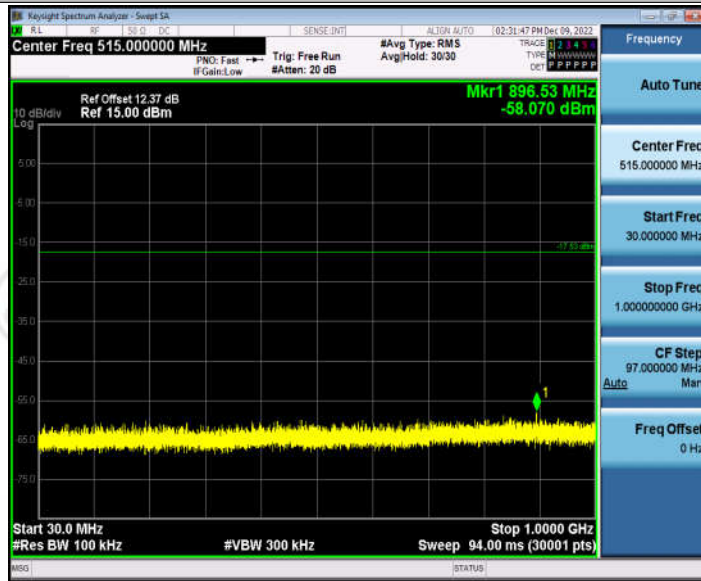
BLE\_2M\_Ant1\_2440\_1000~26500



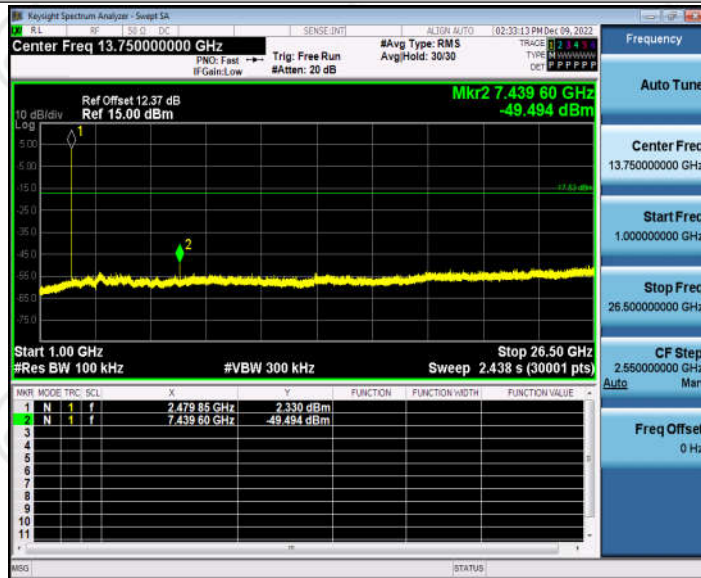
BLE\_2M\_Ant1\_2480\_0~Reference



BLE\_2M\_Ant1\_2480\_30~1000



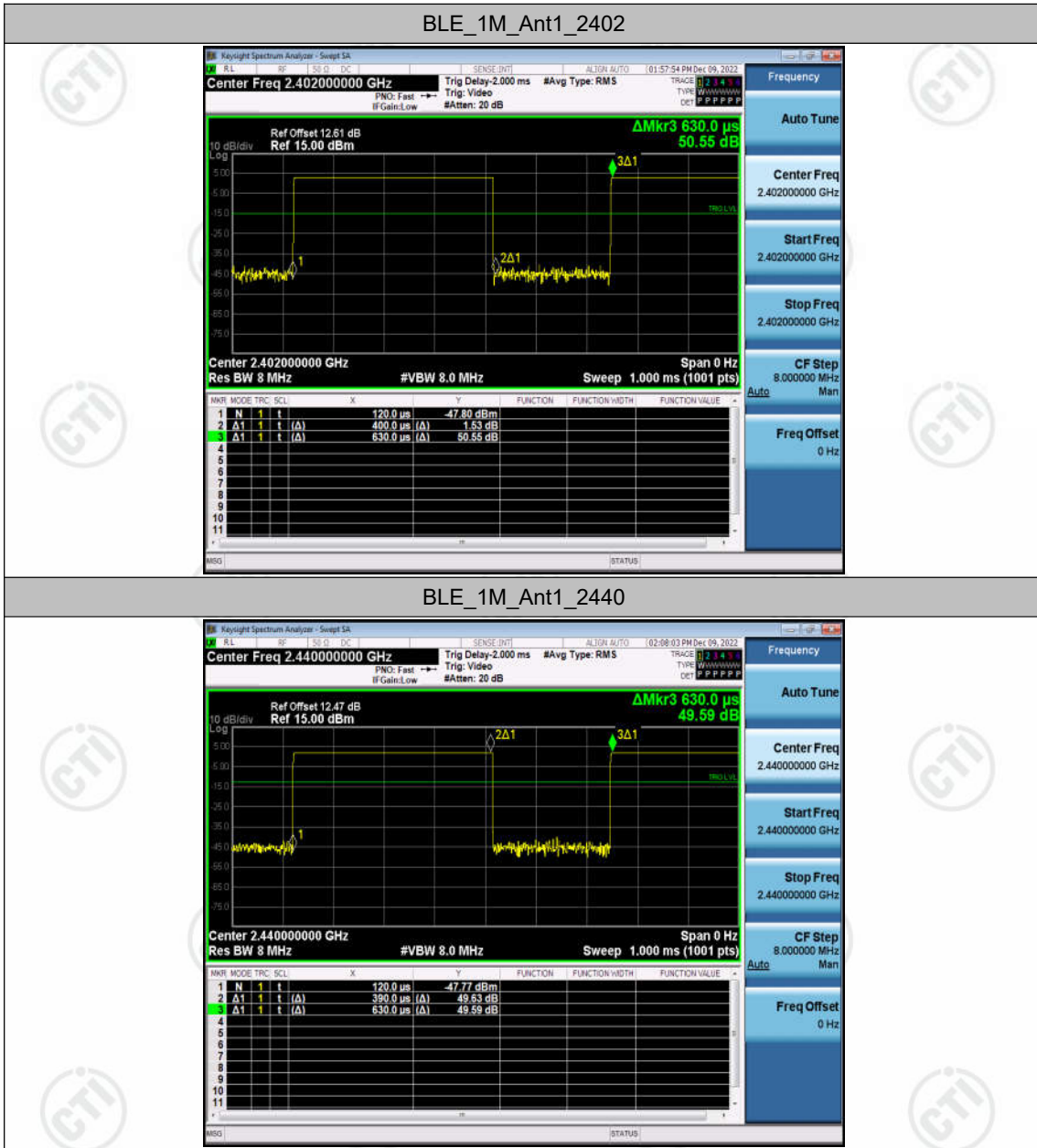
BLE\_2M\_Ant1\_2480\_1000~26500



**Appendix H: Duty Cycle****Test Result**

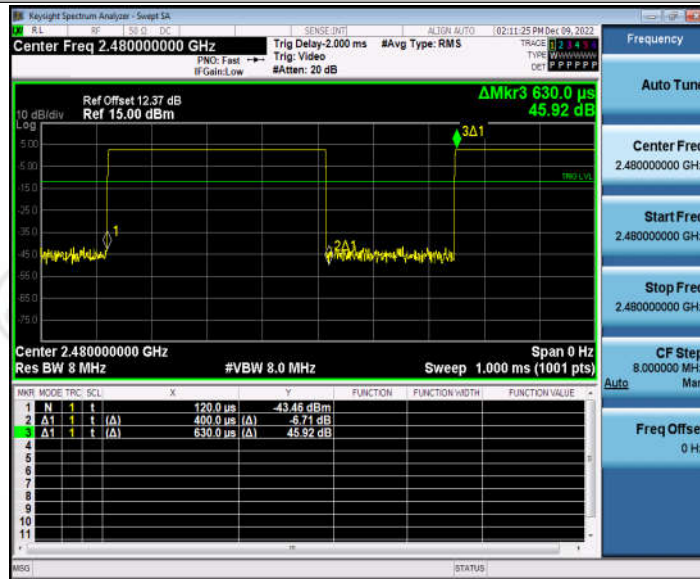
Test Mode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	0.40	0.63	63.49	1.97
		2440	0.39	0.63	61.90	2.08
		2480	0.40	0.63	63.49	1.97
BLE_2M	Ant1	2402	0.21	0.63	33.33	4.77
		2440	0.21	0.63	33.33	4.77
		2480	0.21	0.63	33.33	4.77

## Test Graphs

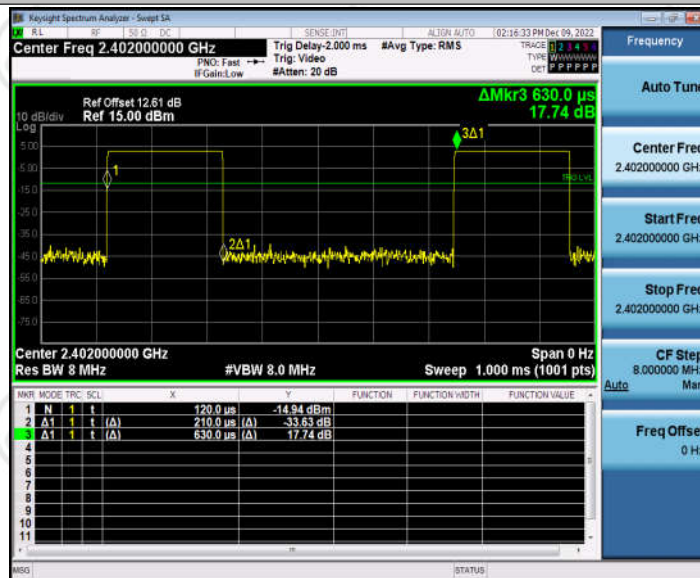




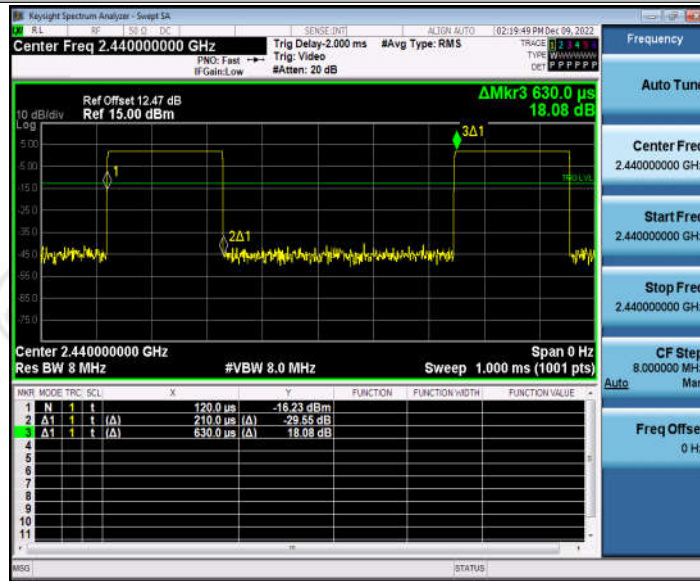
## BLE\_1M\_Ant1\_2480



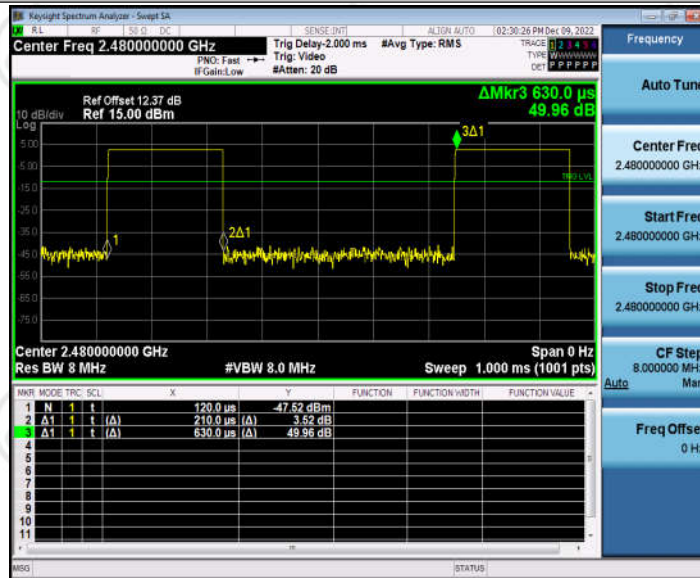
## BLE\_2M\_Ant1\_2402



## BLE\_2M\_Ant1\_2440



## BLE\_2M\_Ant1\_2480



\*\*\* End of Report \*\*\*