

Appendix: 2.4G

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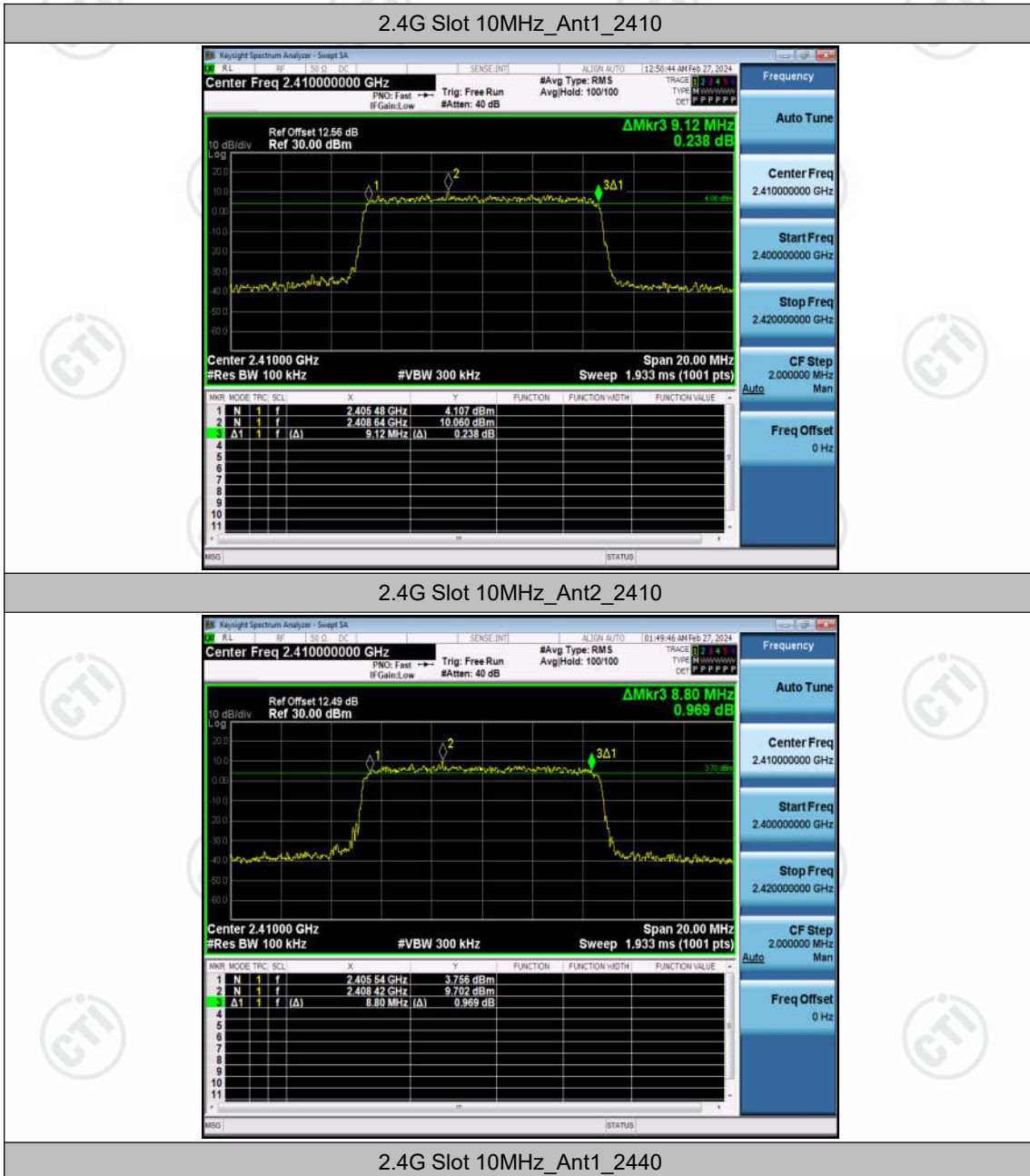
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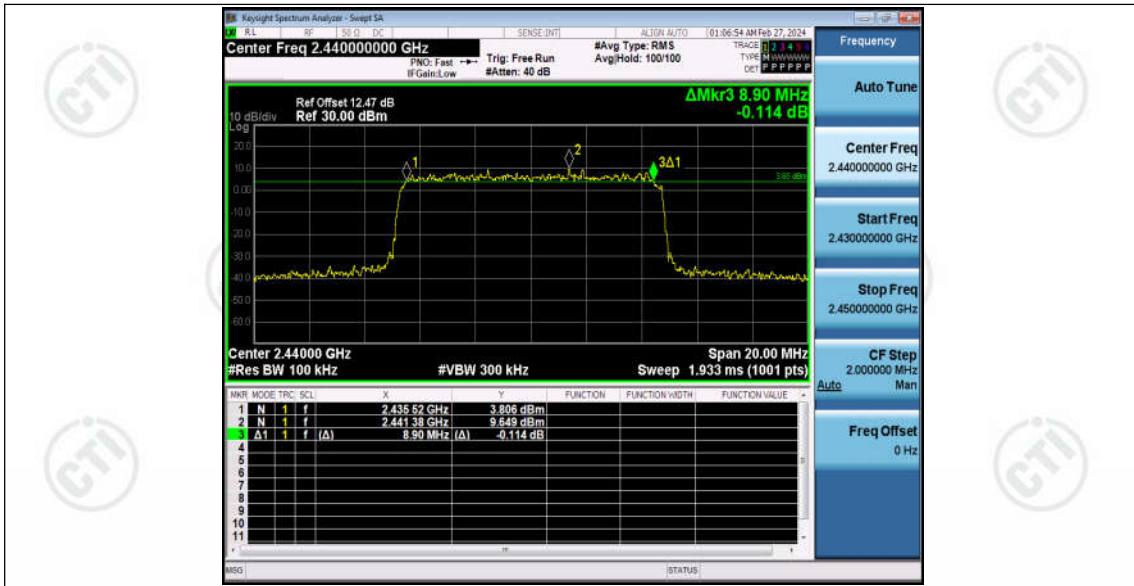
## Appendix A: DTS Bandwidth

### Test Result

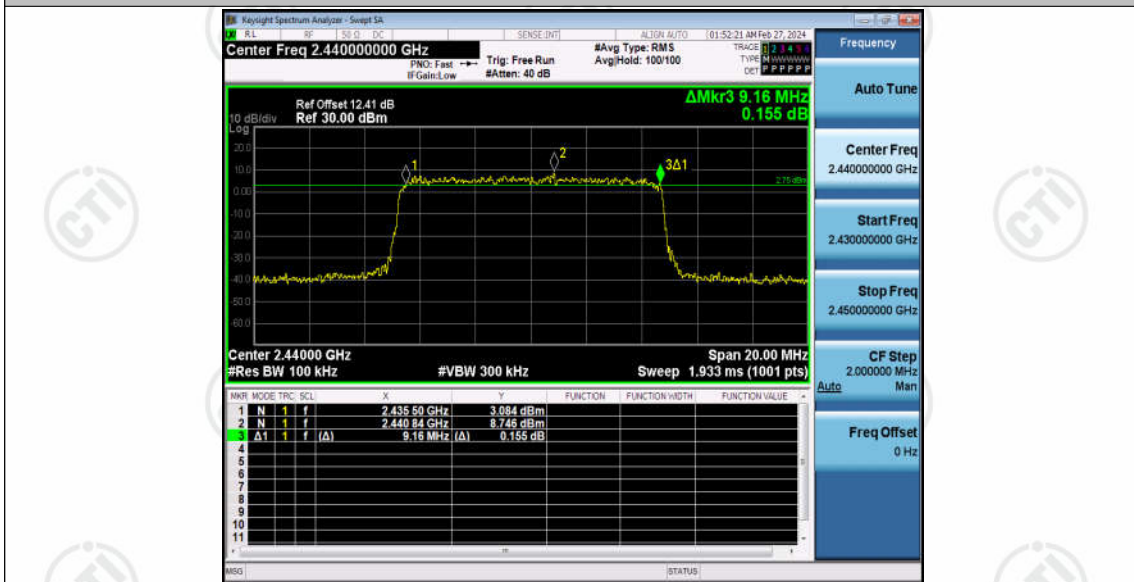
Test Mode	Antenna	Frequency [MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
2.4G Slot 10MHz	Ant1	2410	9.120	2405.480	2414.600	0.5	PASS
	Ant2	2410	8.800	2405.540	2414.340	0.5	PASS
	Ant1	2440	8.900	2435.520	2444.420	0.5	PASS
	Ant2	2440	9.160	2435.500	2444.660	0.5	PASS
	Ant1	2465	8.940	2460.500	2469.440	0.5	PASS
	Ant2	2465	9.100	2460.460	2469.560	0.5	PASS
2.4G Slot 20MHz	Ant1	2415	17.920	2405.920	2423.840	0.5	PASS
	Ant2	2415	17.920	2406.000	2423.920	0.5	PASS
	Ant1	2440	18.280	2430.800	2449.080	0.5	PASS
	Ant2	2440	18.080	2430.920	2449.000	0.5	PASS
	Ant1	2460	18.360	2450.680	2469.040	0.5	PASS
	Ant2	2460	17.920	2451.120	2469.040	0.5	PASS
2.4G Slot 40MHz	Ant1	2425	35.360	2407.160	2442.520	0.5	PASS
	Ant2	2425	35.120	2407.400	2442.520	0.5	PASS
	Ant1	2440	34.880	2422.400	2457.280	0.5	PASS
	Ant2	2440	35.280	2422.240	2457.520	0.5	PASS
	Ant1	2450	35.040	2432.240	2467.280	0.5	PASS
	Ant2	2450	35.520	2432.240	2467.760	0.5	PASS

## Test Graphs

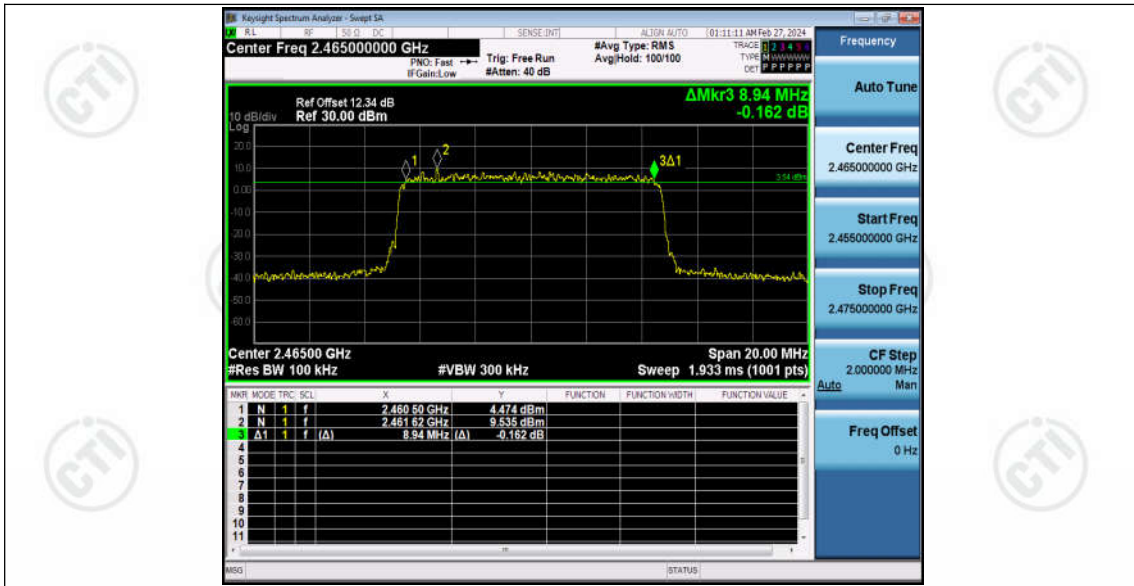




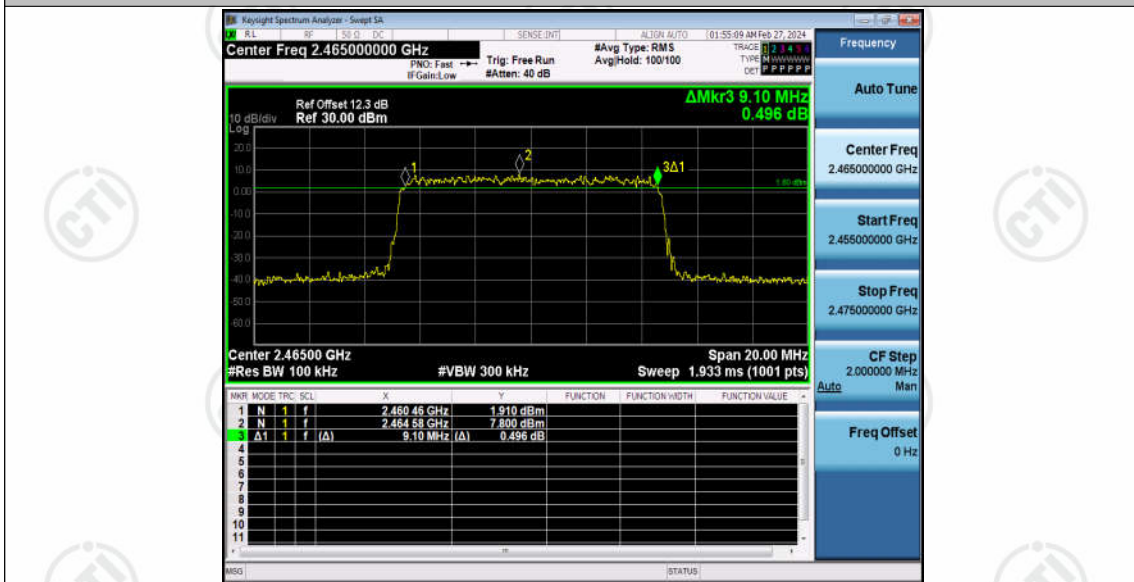
2.4G Slot 10MHz\_Ant2\_2440



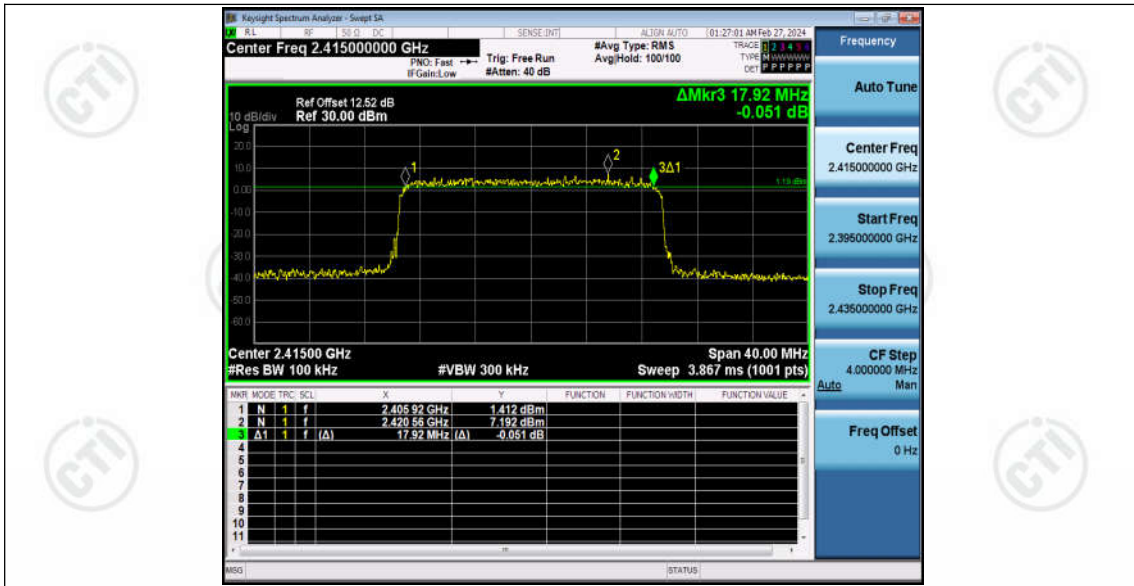
2.4G Slot 10MHz\_Ant1\_2465



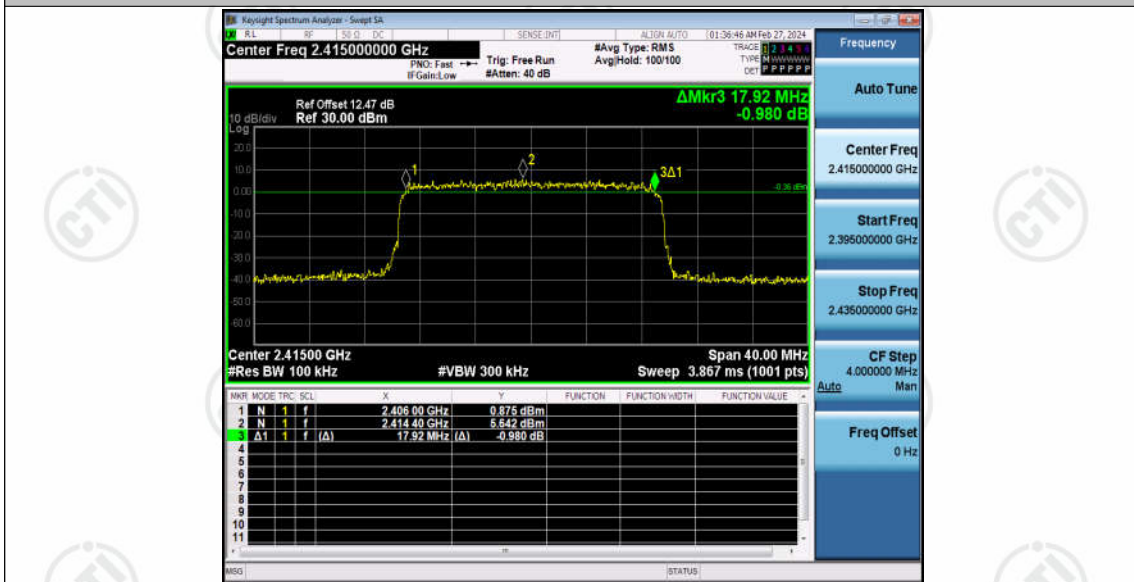
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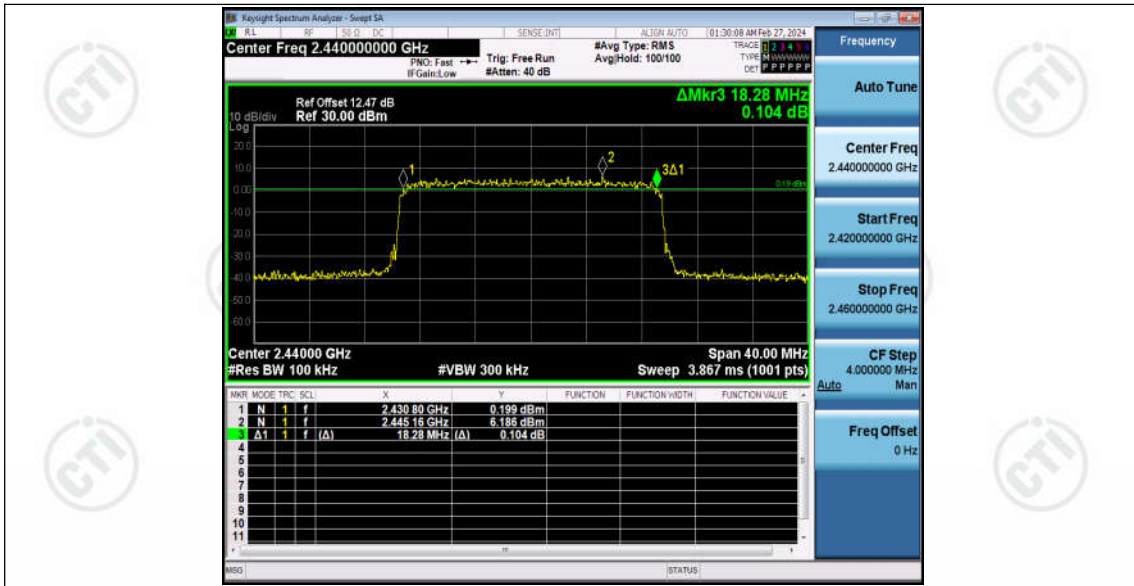
2.4G Slot 20MHz\_Ant1\_2415



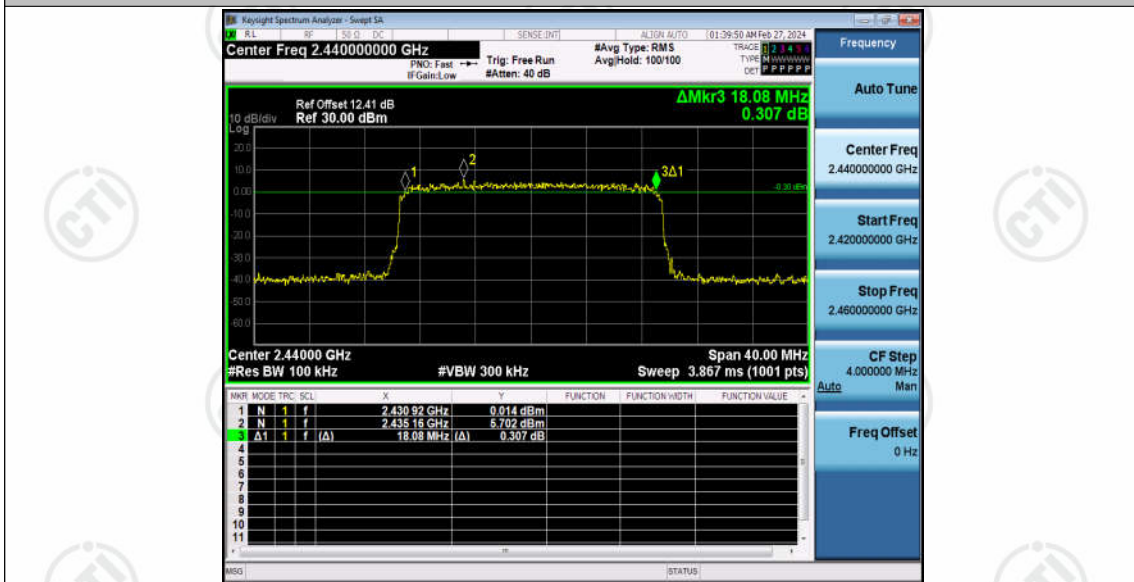
2.4G Slot 20MHz\_Ant2\_2415



2.4G Slot 20MHz\_Ant1\_2440

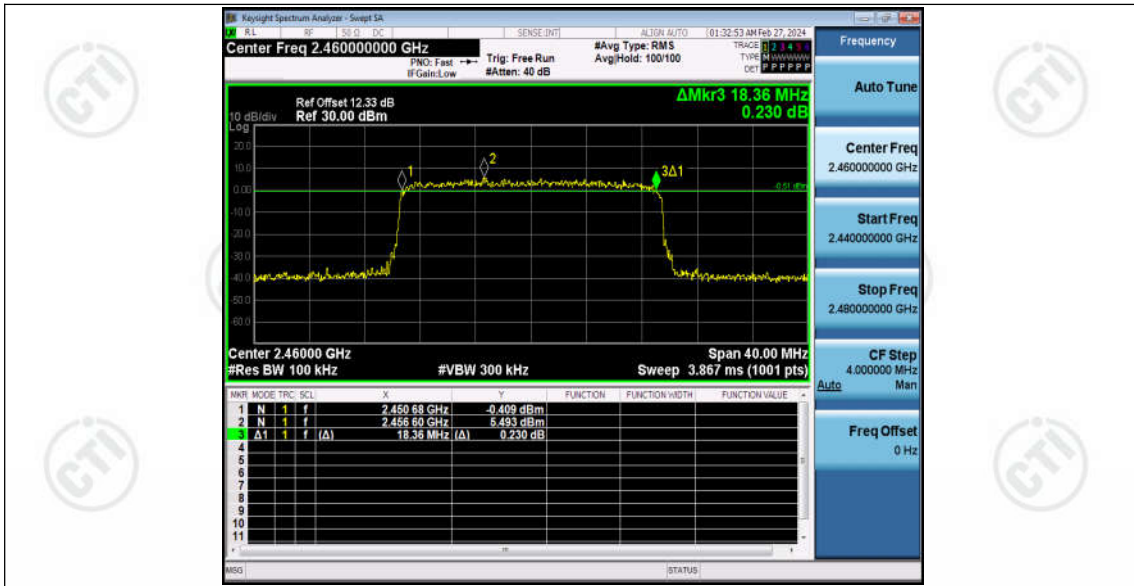


2.4G Slot 20MHz\_Ant2\_2440

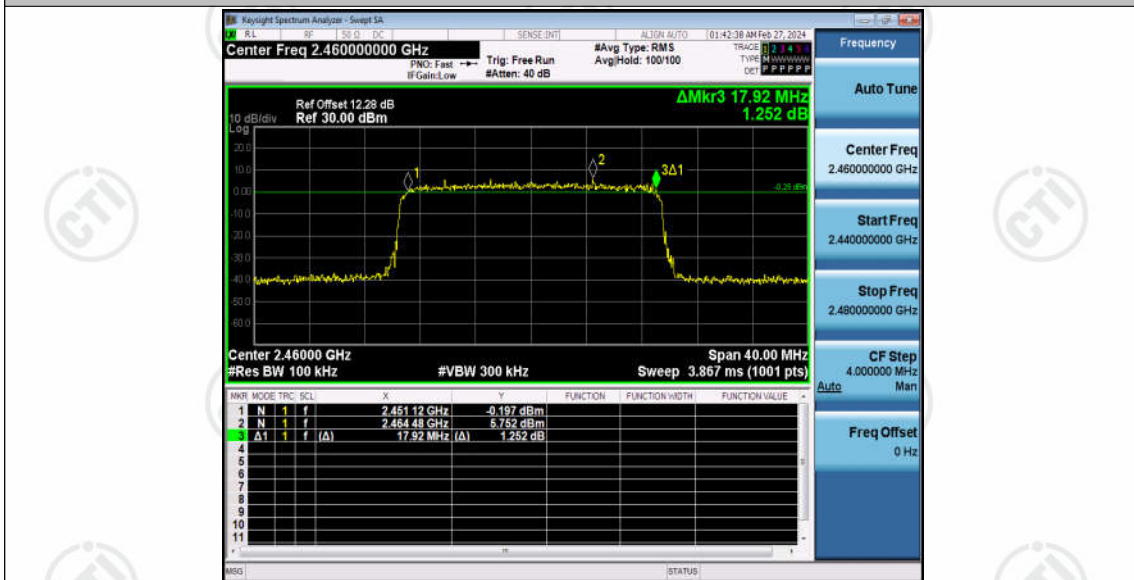


2.4G Slot 20MHz\_Ant1\_2460

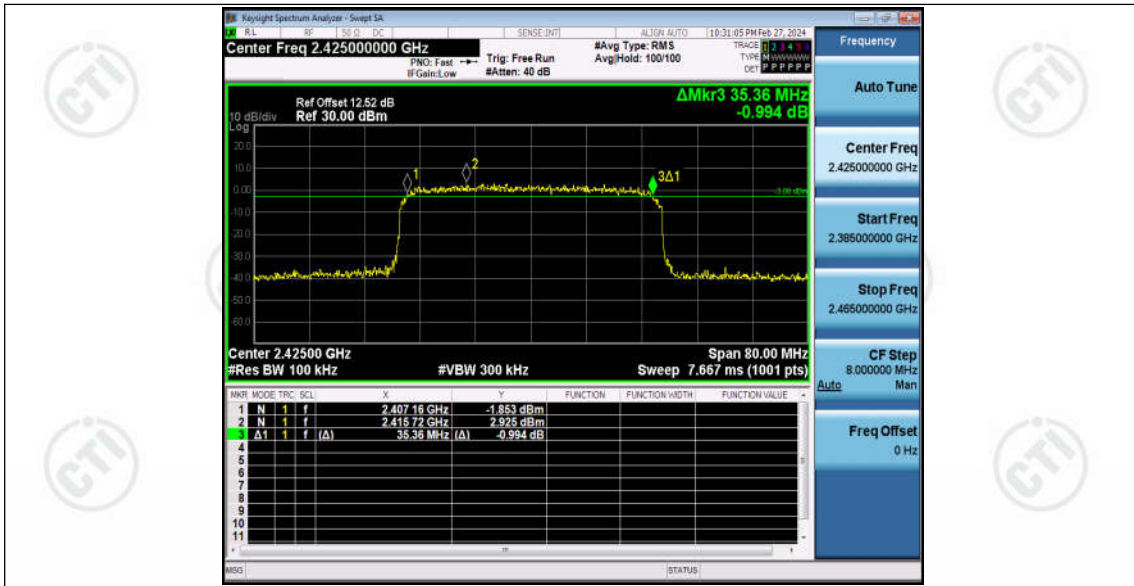




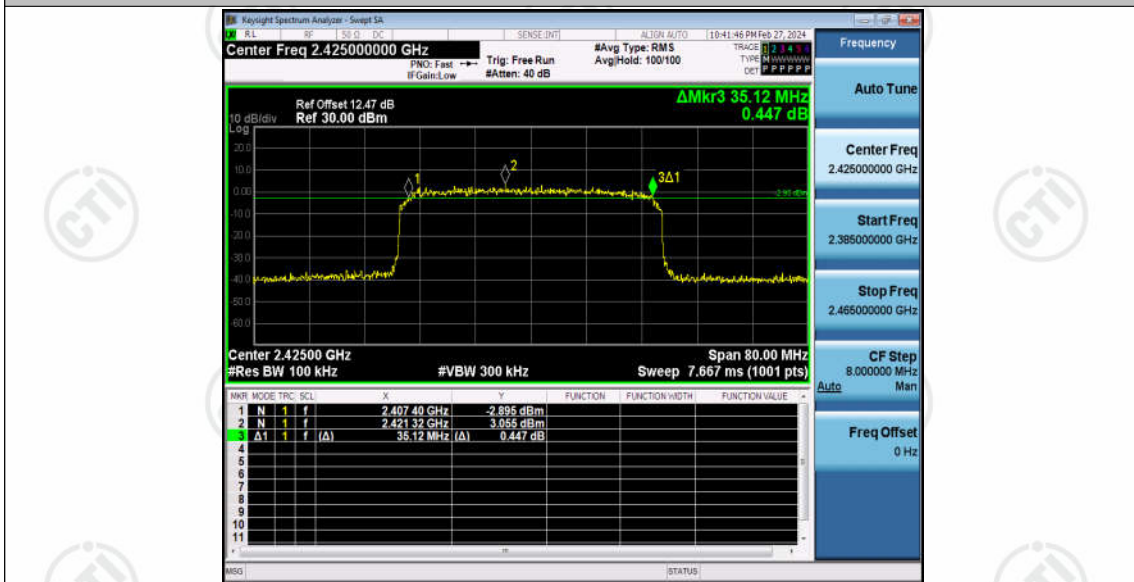
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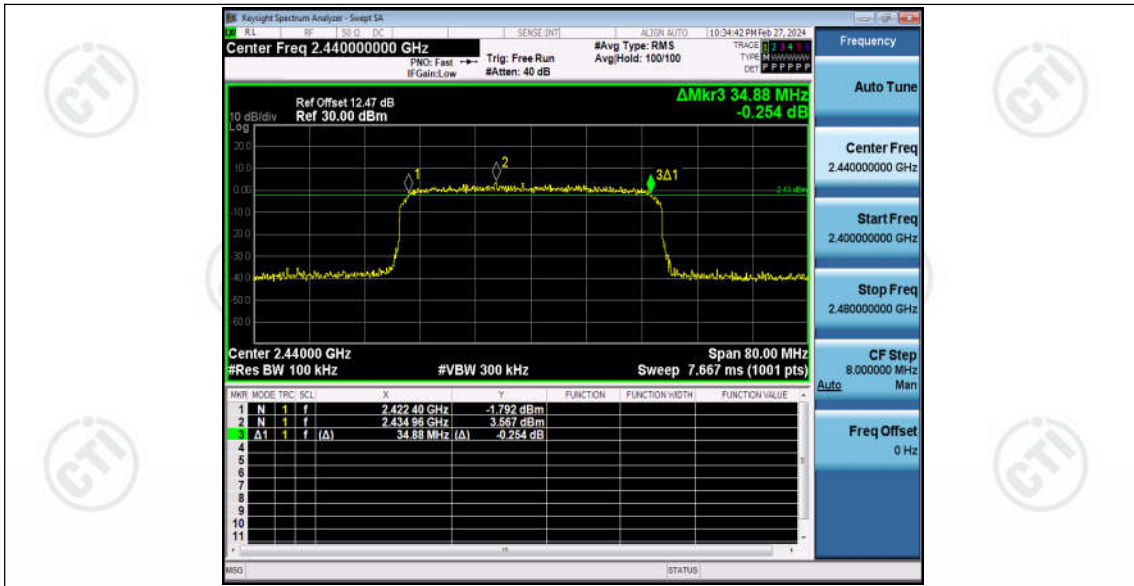
2.4G Slot 40MHz\_Ant1\_2425



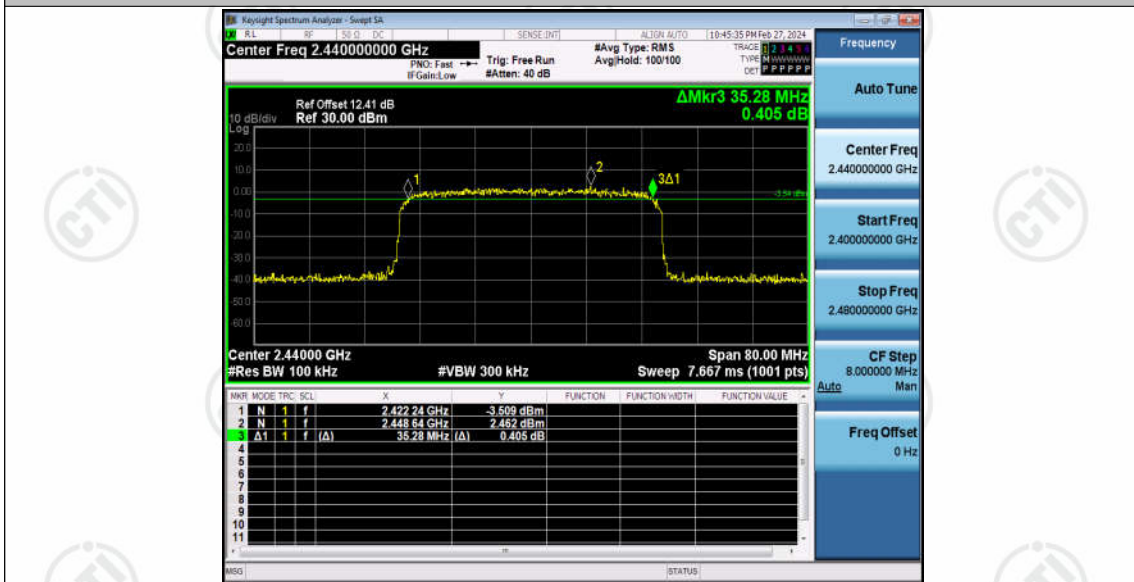
2.4G Slot 40MHz\_Ant2\_2425



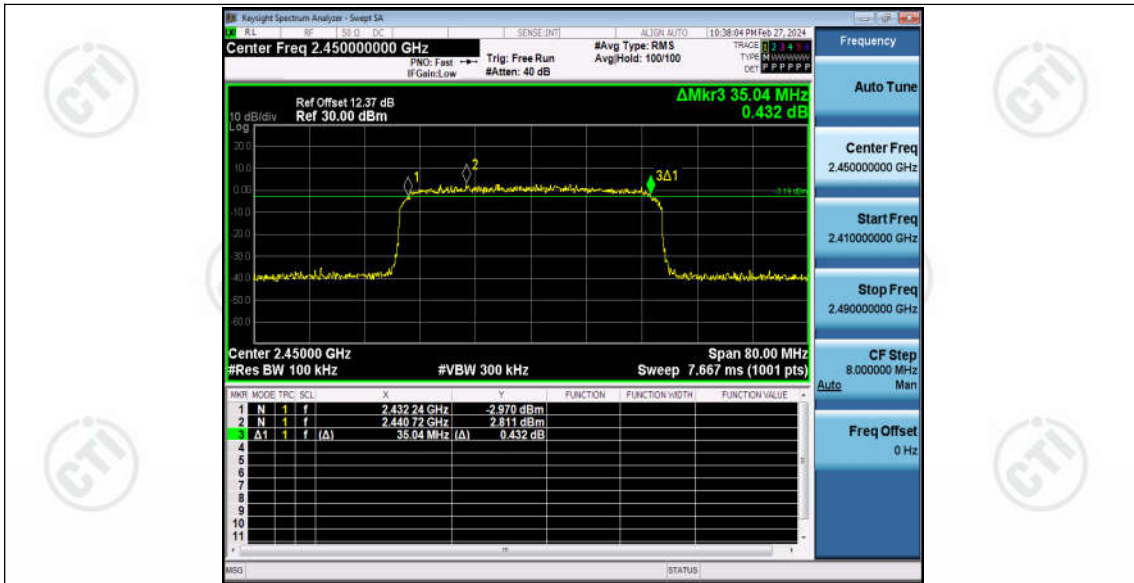
2.4G Slot 40MHz\_Ant1\_2440



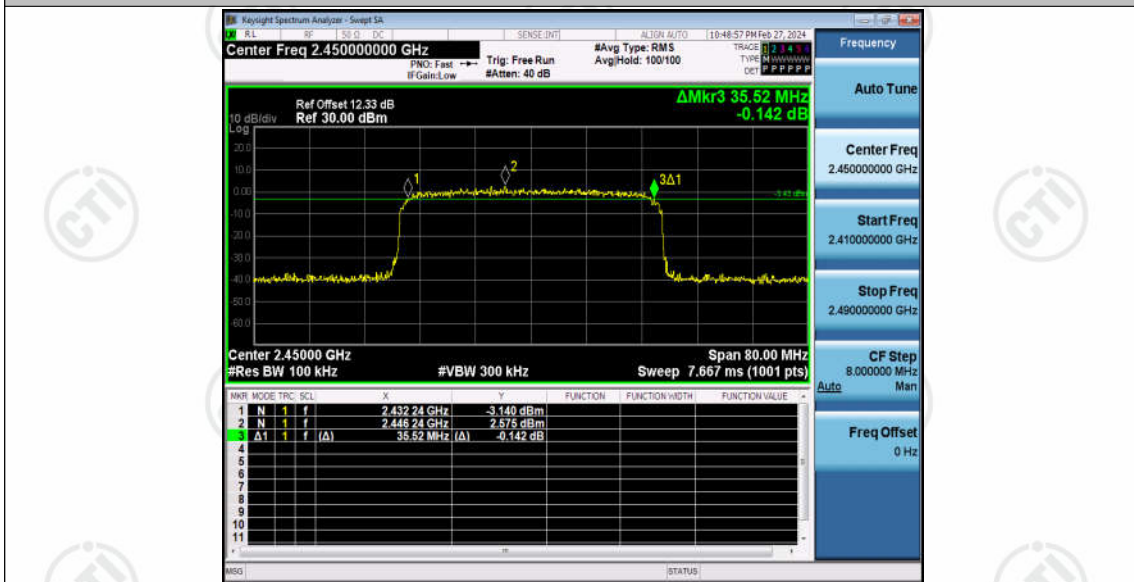
2.4G Slot 40MHz\_Ant2\_2440



2.4G Slot 40MHz\_Ant1\_2450



2.4G Slot 40MHz\_Ant2\_2450

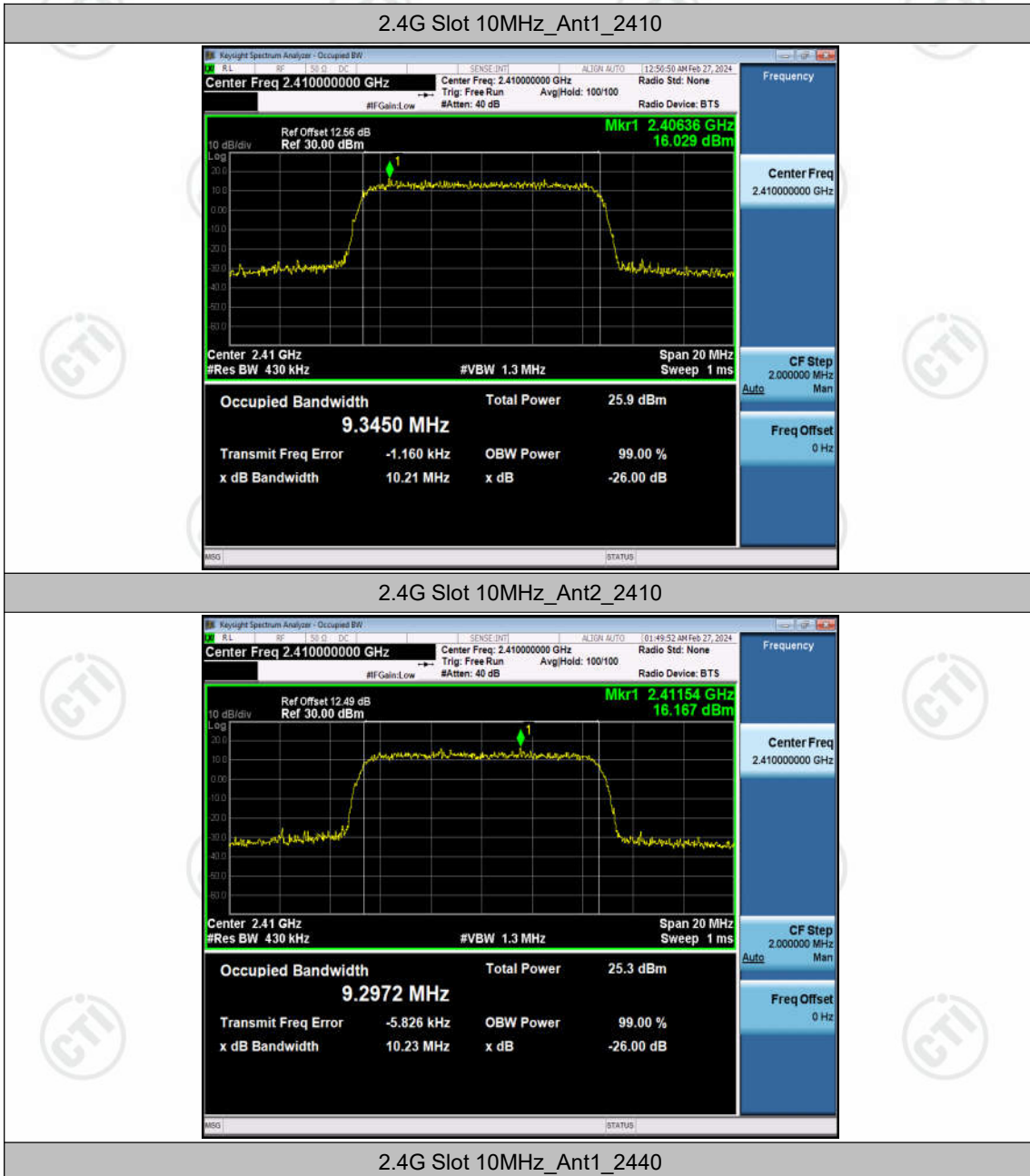


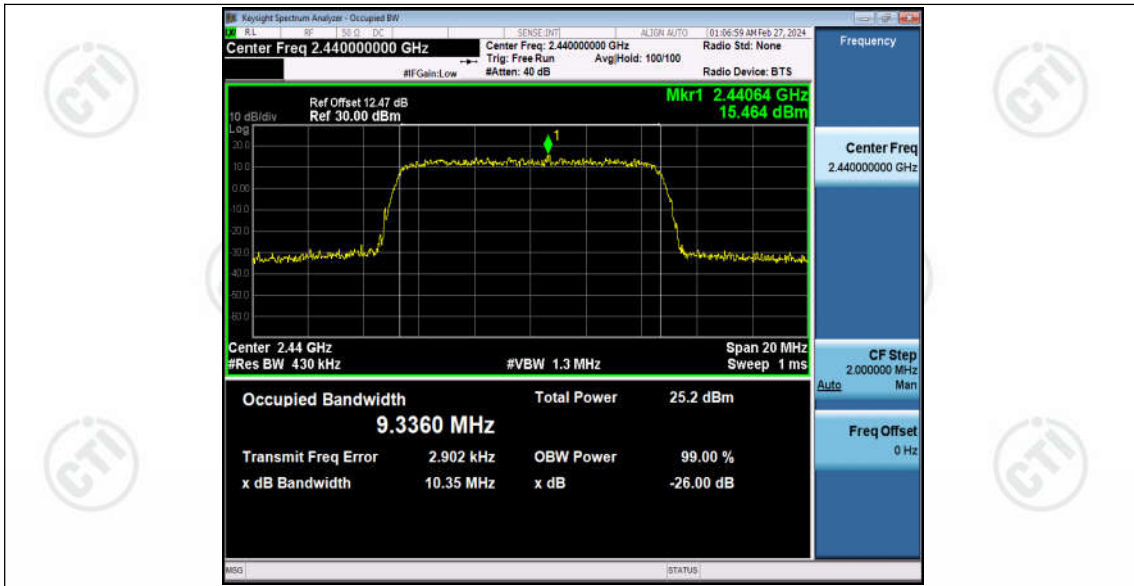
## Appendix B: Occupied Channel Bandwidth

### Test Result

Test Mode	Antenna	Channel Frequency [MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
2.4G Slot 10MHz	Ant1	2410	9.3450	2405.3263	2414.6713
	Ant2	2410	9.2972	2405.3456	2414.6428
	Ant1	2440	9.3360	2435.3349	2444.6709
	Ant2	2440	9.3114	2435.3282	2444.6396
	Ant1	2465	9.3108	2460.3368	2469.6476
	Ant2	2465	9.3029	2460.3559	2469.6588
2.4G Slot 20MHz	Ant1	2415	18.486	2405.7749	2424.2609
	Ant2	2415	18.349	2405.7974	2424.1464
	Ant1	2440	18.388	2430.8027	2449.1907
	Ant2	2440	18.387	2430.8139	2449.2009
	Ant1	2460	18.367	2450.8266	2469.1936
	Ant2	2460	18.367	2450.8006	2469.1676
2.4G Slot 40MHz	Ant1	2425	36.205	2406.8271	2443.0321
	Ant2	2425	36.132	2406.9315	2443.0635
	Ant1	2440	36.235	2421.8817	2458.1167
	Ant2	2440	36.199	2421.8178	2458.0168
	Ant1	2450	36.393	2431.7527	2468.1457
	Ant2	2450	36.259	2431.8820	2468.1410

## Test Graphs

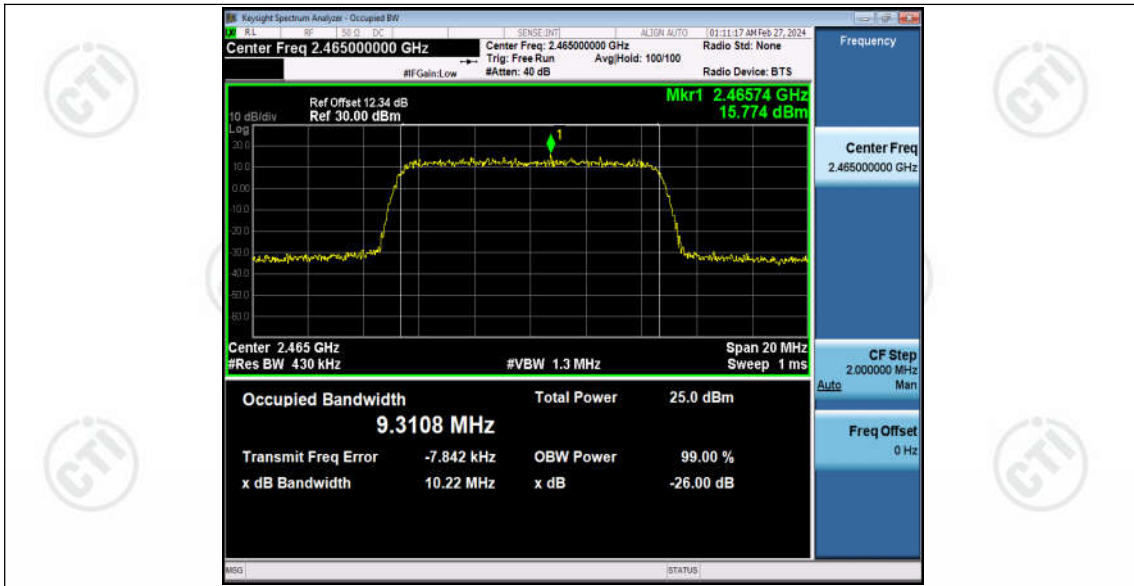




2.4G Slot 10MHz\_Ant2\_2440



2.4G Slot 10MHz\_Ant1\_2465



2.4G Slot 10MHz\_Ant2\_2465

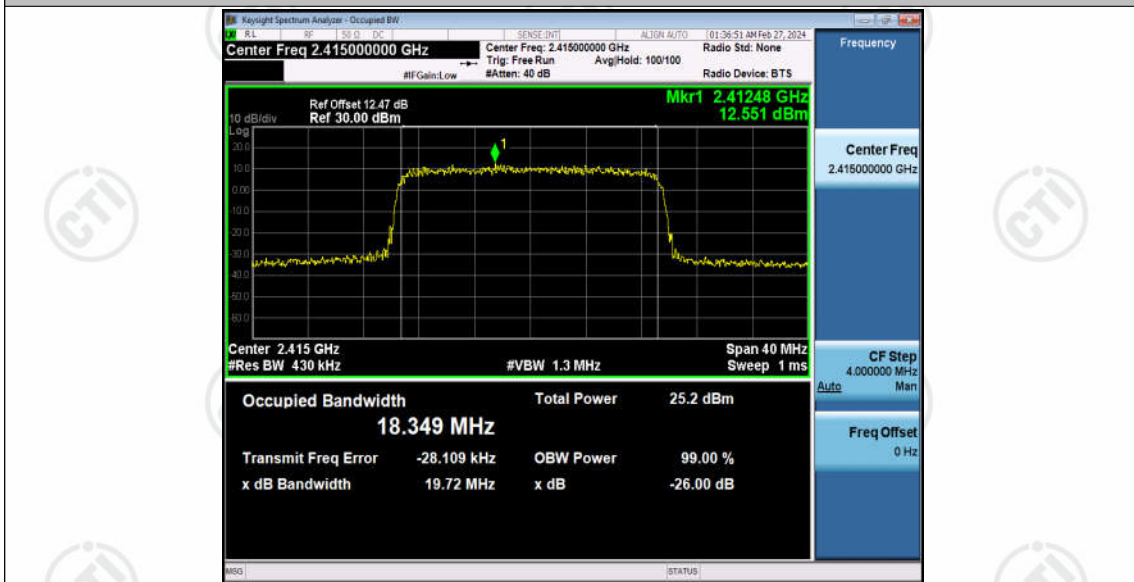


2.4G Slot 20MHz\_Ant1\_2415

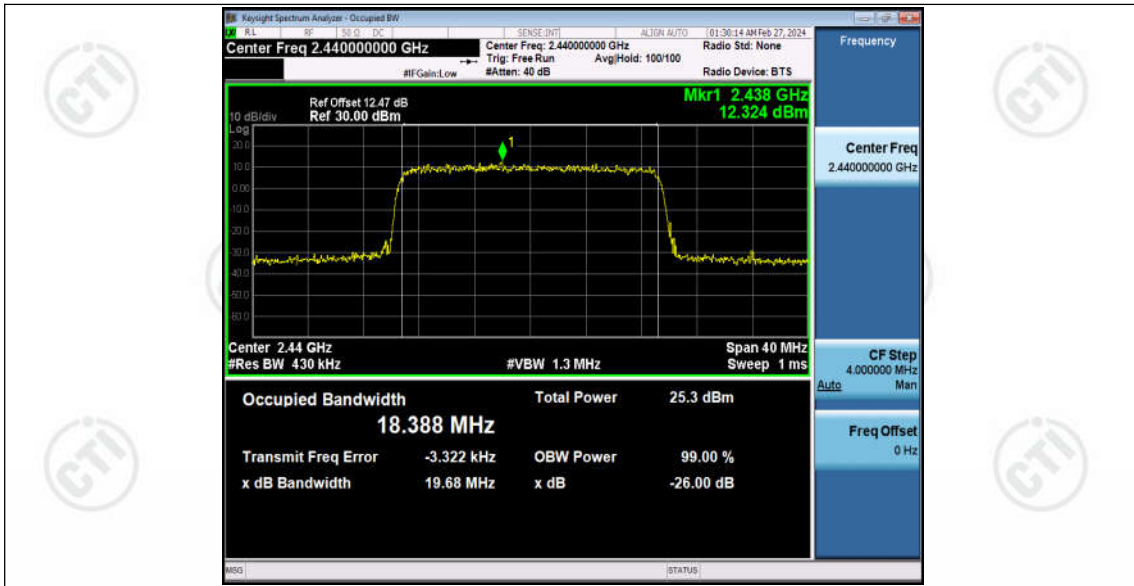




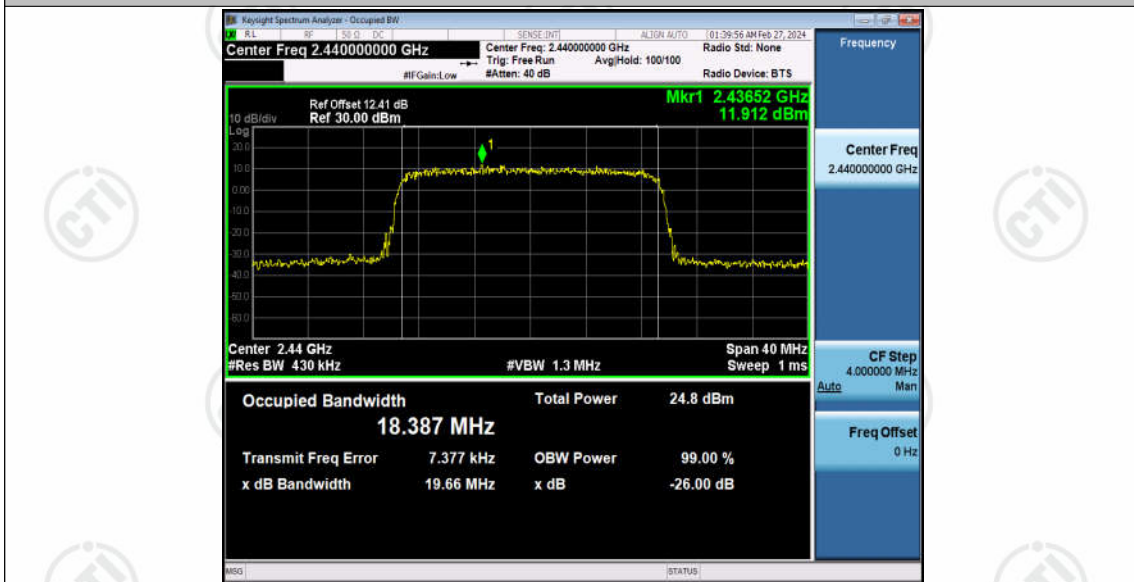
2.4G Slot 20MHz\_Ant2\_2415



2.4G Slot 20MHz\_Ant1\_2440



2.4G Slot 20MHz\_Ant2\_2440



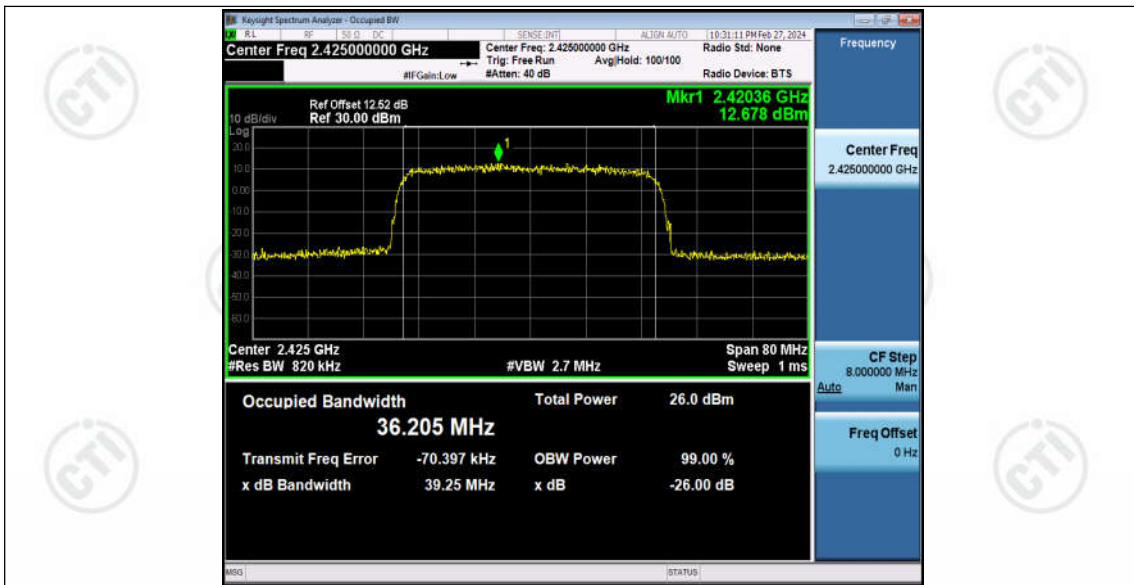
2.4G Slot 20MHz\_Ant1\_2460



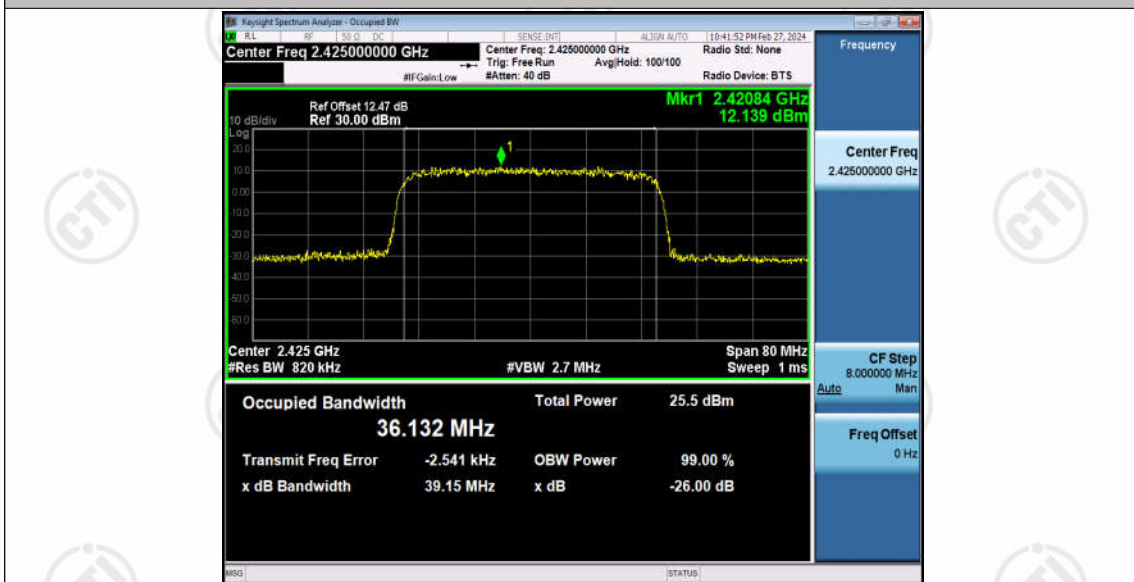
2.4G Slot 20MHz\_Ant2\_2460



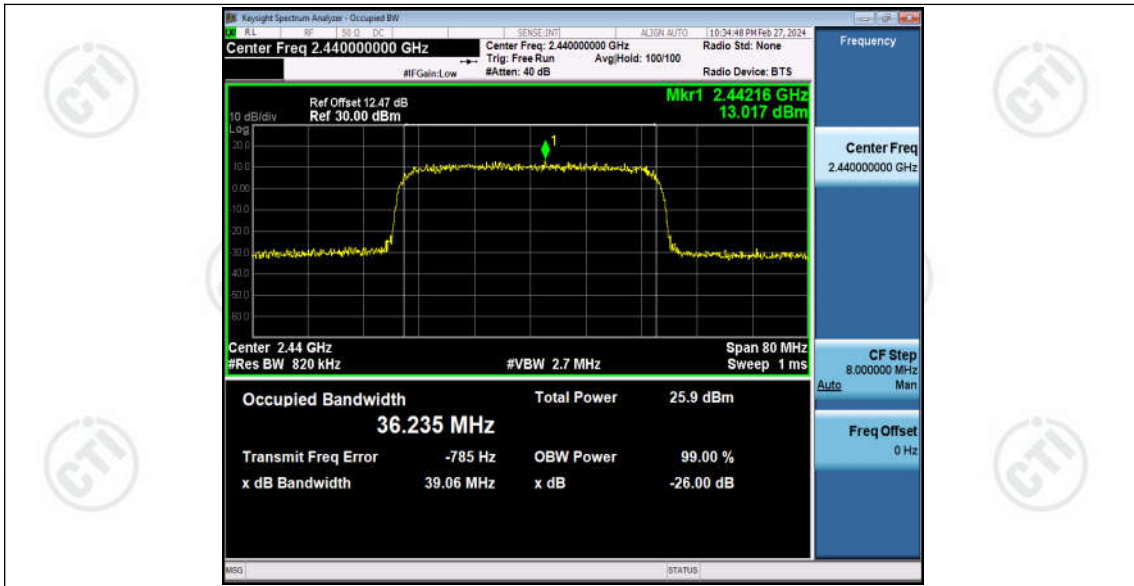
2.4G Slot 40MHz\_Ant1\_2425



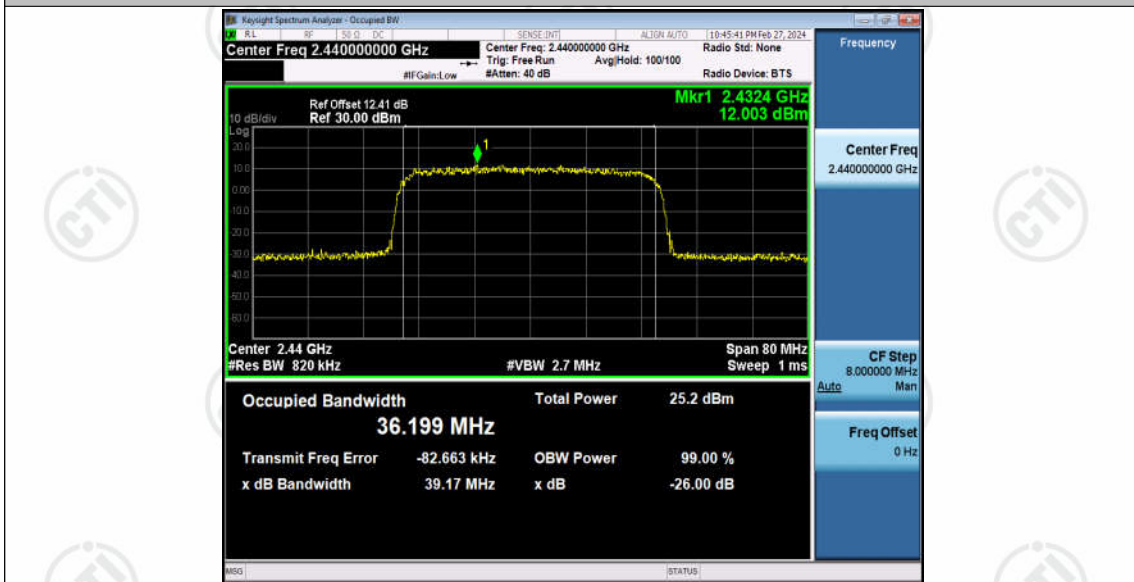
2.4G Slot 40MHz\_Ant2\_2425



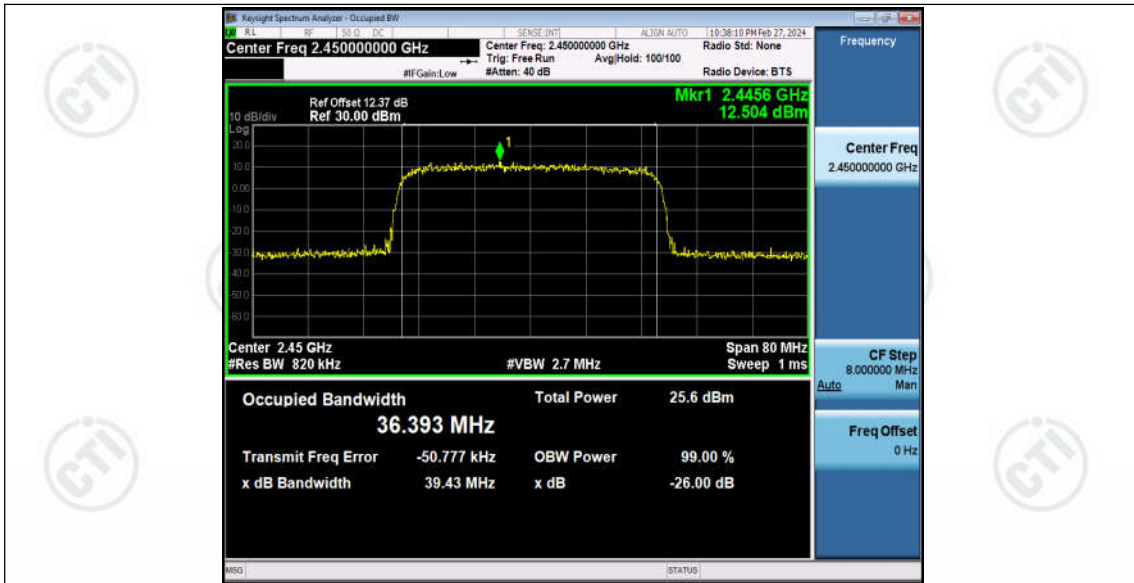
2.4G Slot 40MHz\_Ant1\_2440



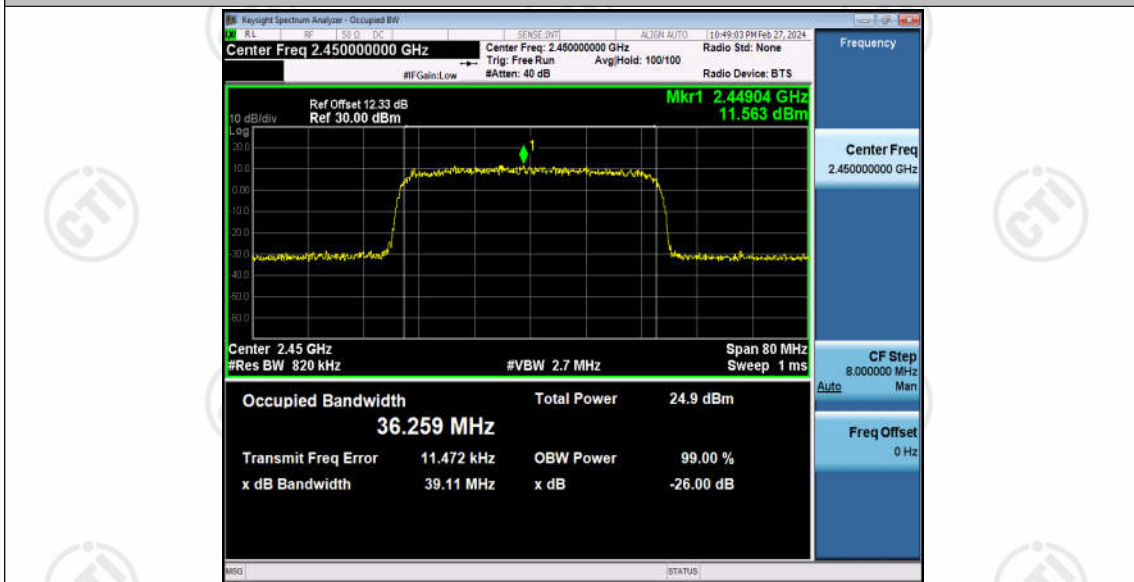
2.4G Slot 40MHz\_Ant2\_2440



2.4G Slot 40MHz\_Ant1\_2450



2.4G Slot 40MHz\_Ant2\_2450



## Appendix C: Maximum conducted output power

### Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Peak Power [dBm]	Conducted Limit [dBm]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
2.4G Slot 10MHz	Ant1	2410	17.90	≤30.00	22.90	≤36.00	PASS
	Ant2	2410	15.99	≤30.00	20.99	≤36.00	PASS
	total	2410	20.06	≤30.00	25.06	≤36.00	PASS
	Ant1	2440	17.75	≤30.00	22.75	≤36.00	PASS
	Ant2	2440	15.85	≤30.00	20.85	≤36.00	PASS
	total	2440	19.91	≤30.00	24.91	≤36.00	PASS
	Ant1	2465	17.65	≤30.00	22.65	≤36.00	PASS
	Ant2	2465	15.50	≤30.00	20.50	≤36.00	PASS
	total	2465	19.72	≤30.00	24.72	≤36.00	PASS
2.4G Slot 20MHz	Ant1	2415	18.10	≤30.00	23.10	≤36.00	PASS
	Ant2	2415	16.34	≤30.00	21.34	≤36.00	PASS
	total	2415	20.32	≤30.00	25.32	≤36.00	PASS
	Ant1	2440	18.19	≤30.00	23.19	≤36.00	PASS
	Ant2	2440	16.11	≤30.00	21.11	≤36.00	PASS
	total	2440	20.28	≤30.00	25.28	≤36.00	PASS
	Ant1	2460	17.75	≤30.00	22.75	≤36.00	PASS
	Ant2	2460	15.88	≤30.00	20.88	≤36.00	PASS
	total	2460	19.93	≤30.00	24.93	≤36.00	PASS
2.4G Slot 40MHz	Ant1	2425	18.25	≤30.00	23.25	≤36.00	PASS
	Ant2	2425	15.26	≤30.00	20.26	≤36.00	PASS
	total	2425	20.02	≤30.00	25.02	≤36.00	PASS
	Ant1	2440	18.30	≤30.00	23.30	≤36.00	PASS
	Ant2	2440	15.30	≤30.00	20.30	≤36.00	PASS
	total	2440	20.06	≤30.00	25.06	≤36.00	PASS
	Ant1	2450	18.12	≤30.00	23.12	≤36.00	PASS
	Ant2	2450	15.10	≤30.00	20.10	≤36.00	PASS
	total	2450	19.88	≤30.00	24.88	≤36.00	PASS

Note:Peak Power[dBm] has been added Duty Cycle Factor[dB];

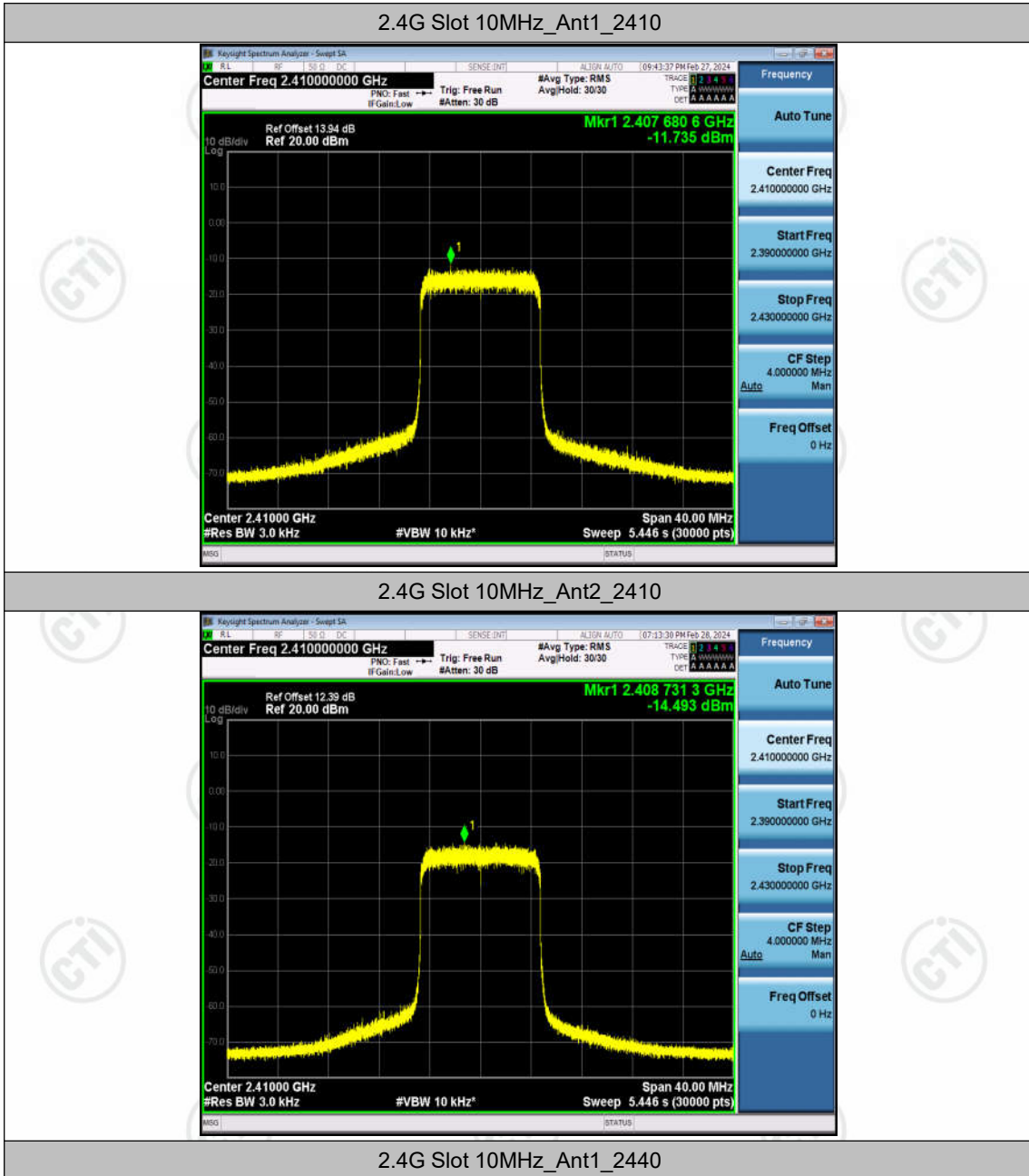
## Appendix D: Maximum power spectral density

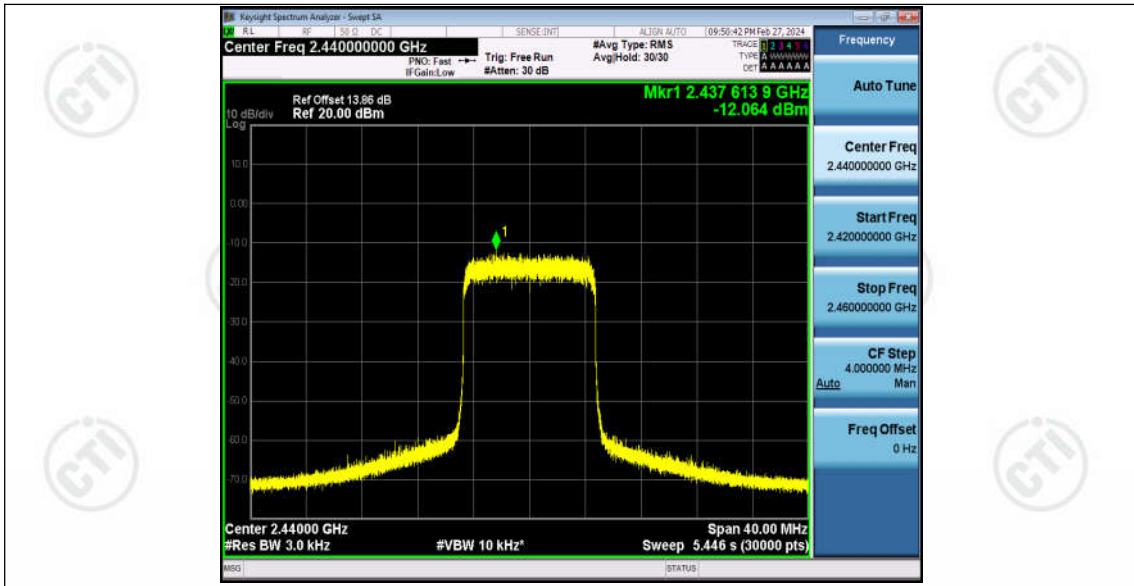
### Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3kHz]	Limit [dBm/3kHz]	Verdict
2.4G Slot 10MHz	Ant1	2410	-11.74	≤8.00	PASS
	Ant2	2410	-14.49	≤8.00	PASS
	total	2410	-9.89	≤8.00	PASS
	Ant1	2440	-12.06	≤8.00	PASS
	Ant2	2440	-14.46	≤8.00	PASS
	total	2440	-10.09	≤8.00	PASS
	Ant1	2465	-12.18	≤8.00	PASS
	Ant2	2465	-13.68	≤8.00	PASS
	total	2465	-9.86	≤8.00	PASS
2.4G Slot 20MHz	Ant1	2415	-11.44	≤8.00	PASS
	Ant2	2415	-16.92	≤8.00	PASS
	total	2415	-10.36	≤8.00	PASS
	Ant1	2440	-12.67	≤8.00	PASS
	Ant2	2440	-15.26	≤8.00	PASS
	total	2440	-10.76	≤8.00	PASS
	Ant1	2460	-13.12	≤8.00	PASS
	Ant2	2460	-14.7	≤8.00	PASS
	total	2460	-10.83	≤8.00	PASS
2.4G Slot 40MHz	Ant1	2425	-12.51	≤8.00	PASS
	Ant2	2425	-13.93	≤8.00	PASS
	total	2425	-10.15	≤8.00	PASS
	Ant1	2440	-12.31	≤8.00	PASS
	Ant2	2440	-13.97	≤8.00	PASS
	total	2440	-10.05	≤8.00	PASS
	Ant1	2450	-12.38	≤8.00	PASS
	Ant2	2450	-13.65	≤8.00	PASS
	total	2450	-9.96	≤8.00	PASS

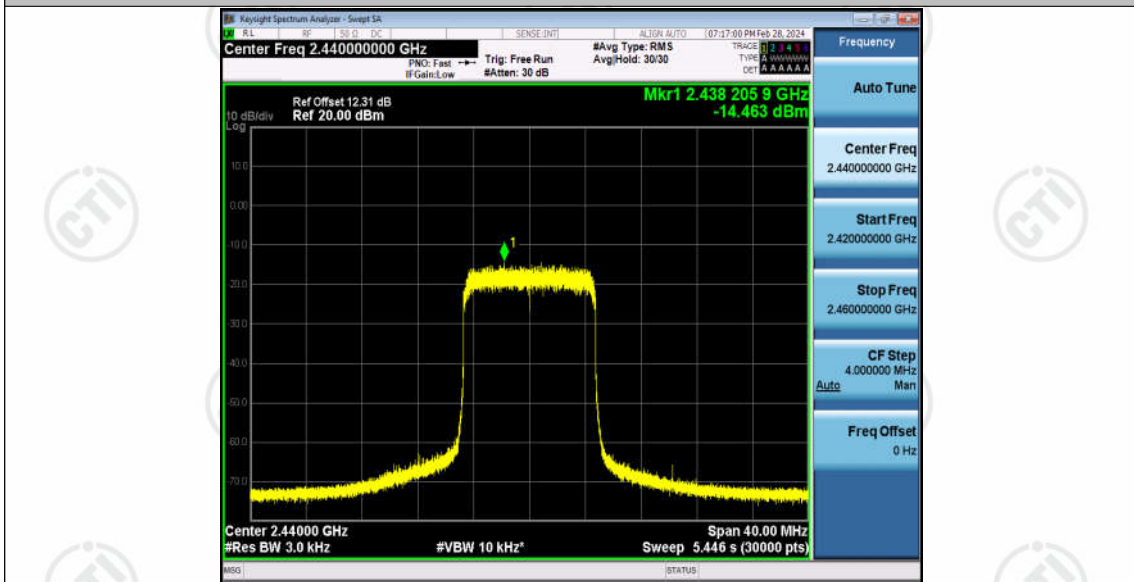


## Test Graphs

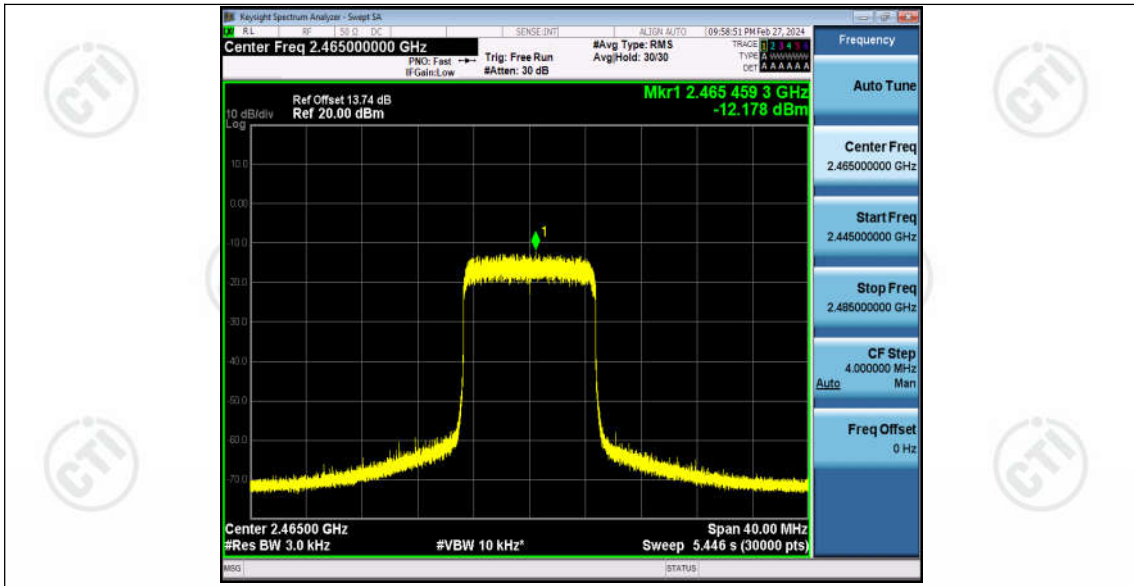




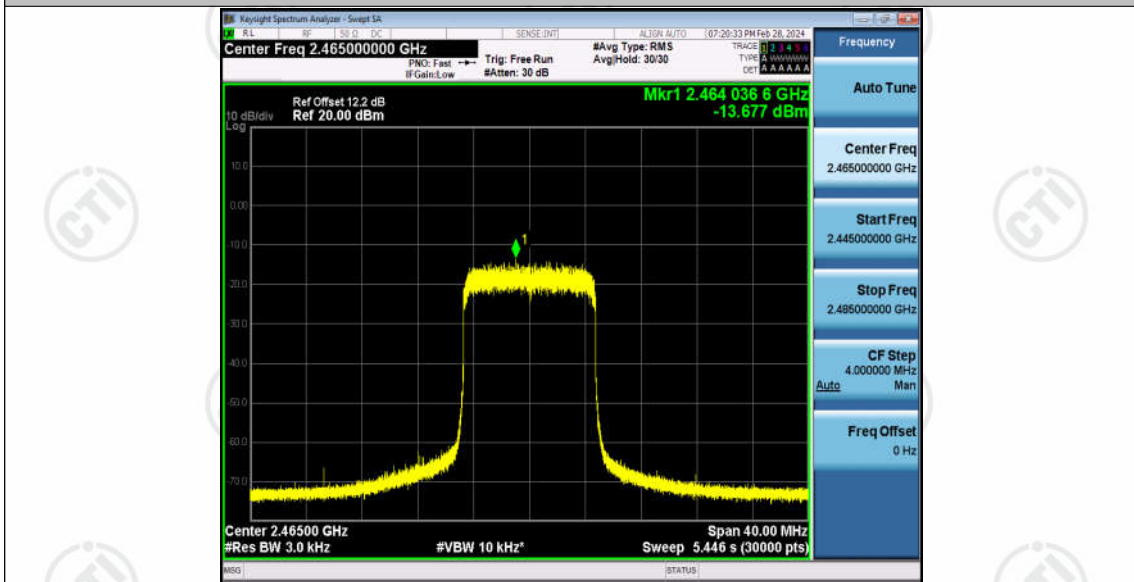
2.4G Slot 10MHz\_Ant2\_2440



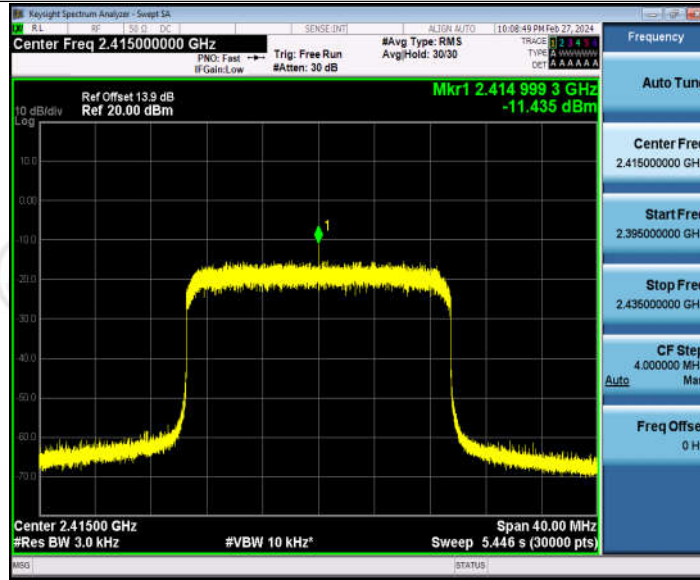
2.4G Slot 10MHz\_Ant1\_2465



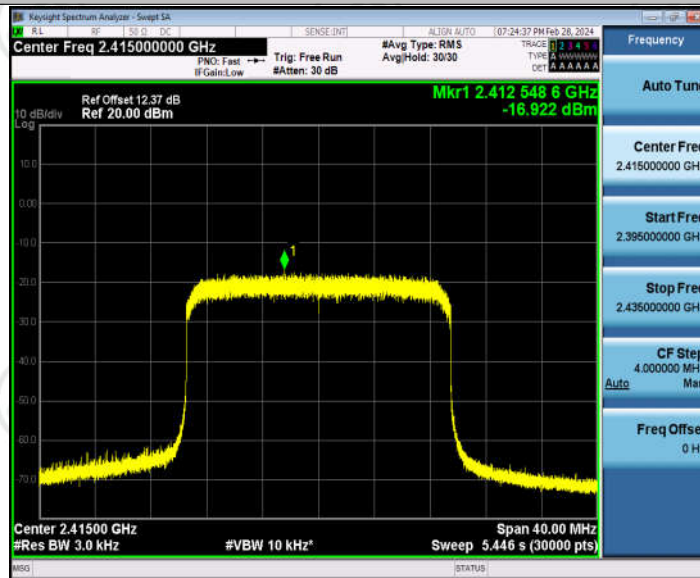
2.4G Slot 10MHz\_Ant2\_2465



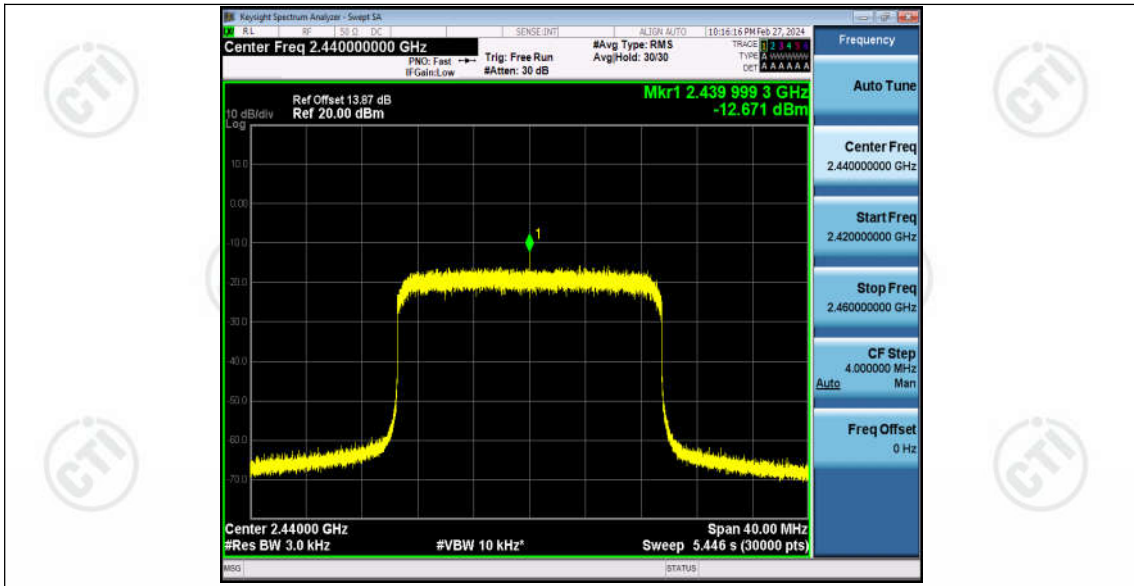
2.4G Slot 20MHz\_Ant1\_2415



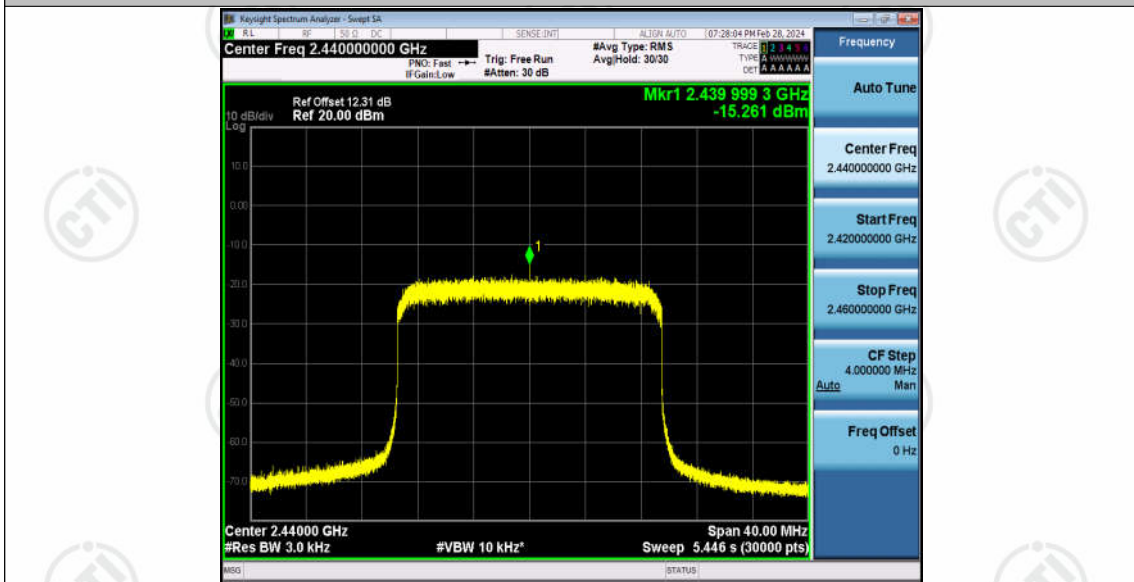
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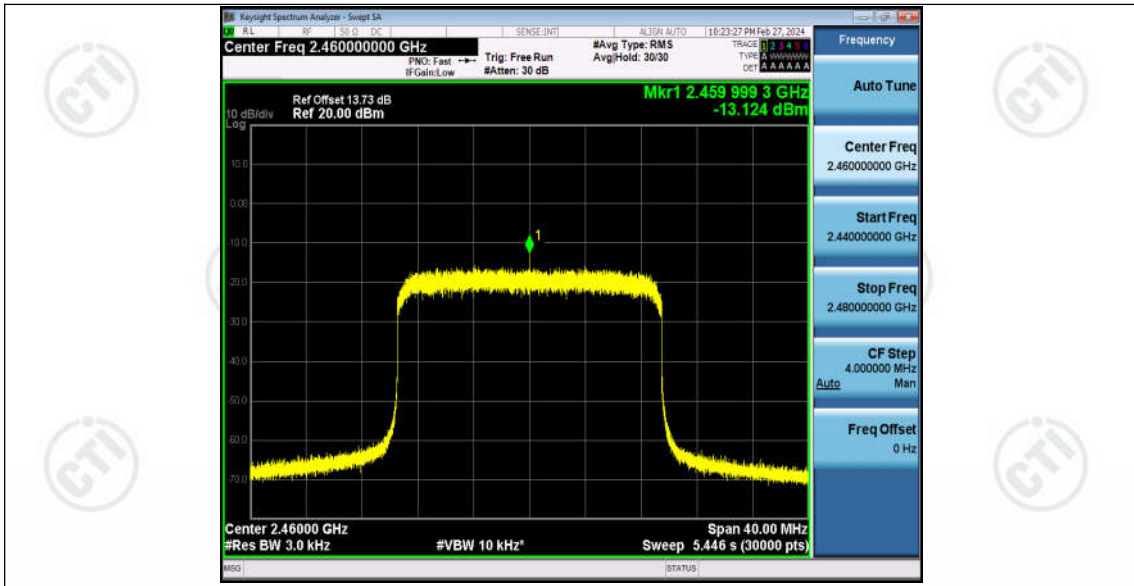
2.4G Slot 20MHz\_Ant1\_2440



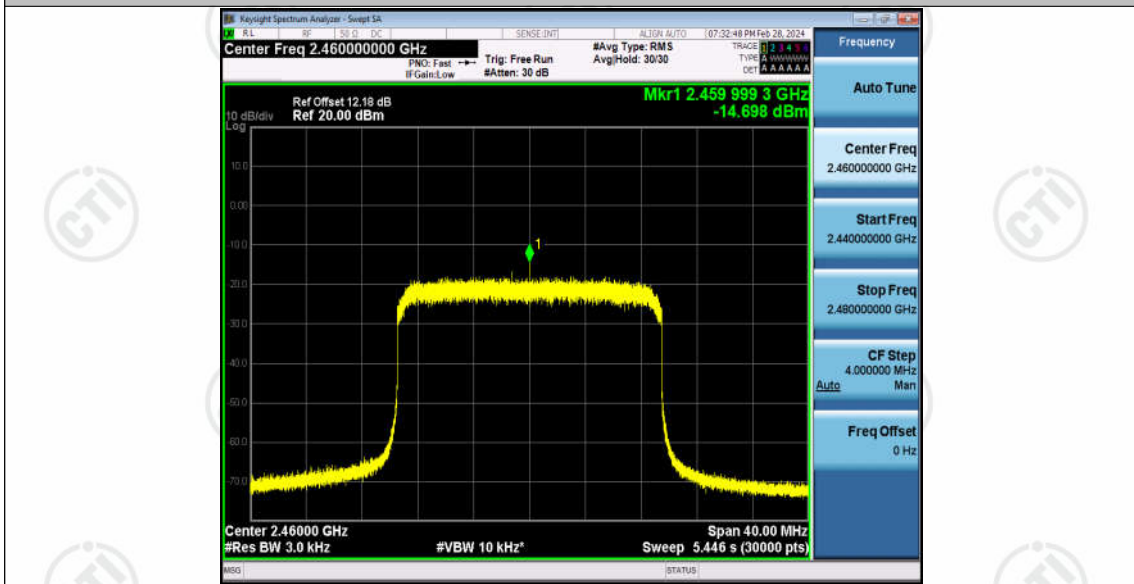
2.4G Slot 20MHz\_Ant2\_2440

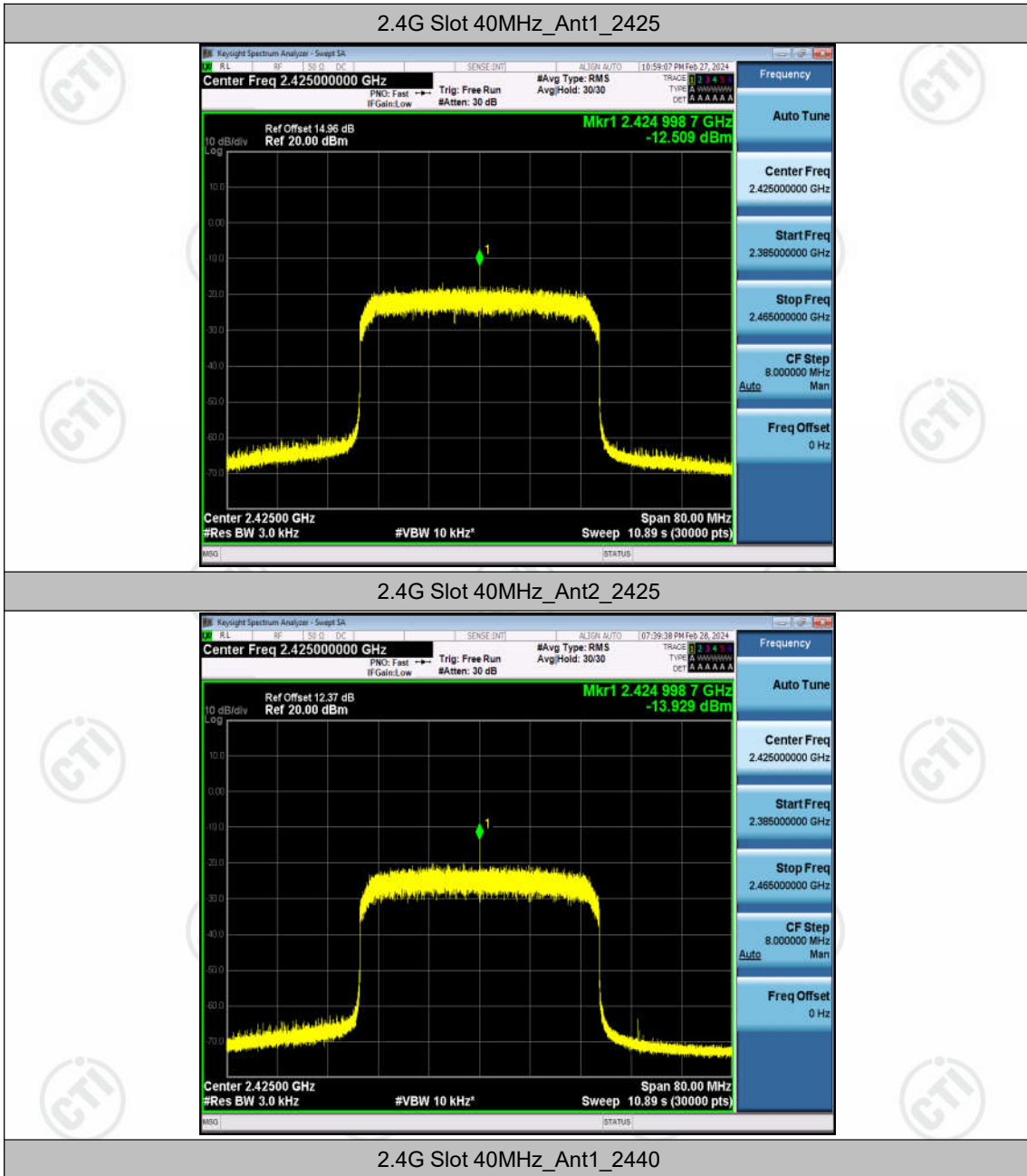


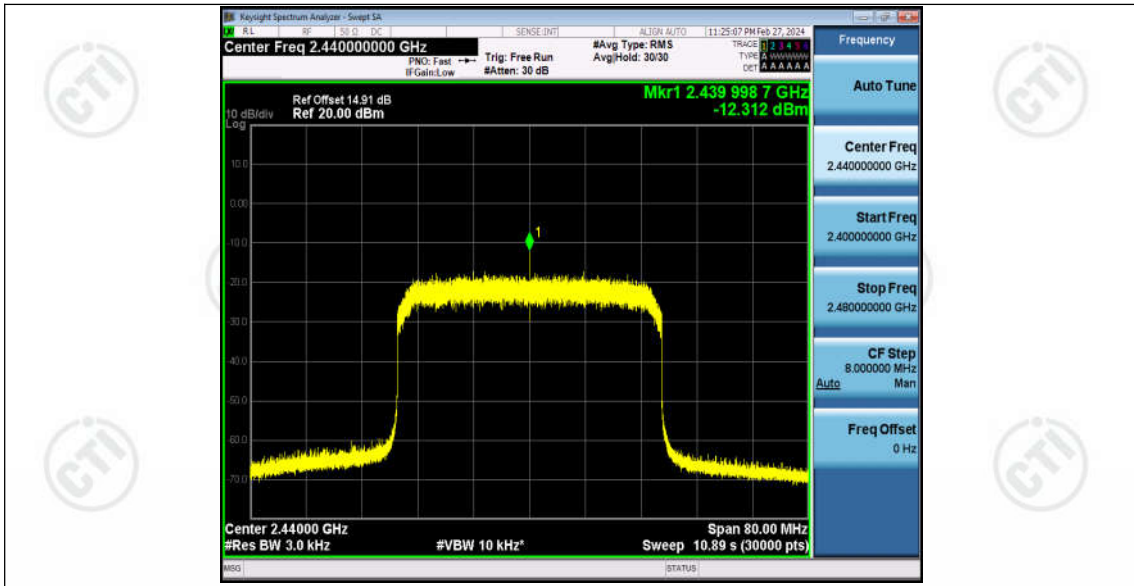
2.4G Slot 20MHz\_Ant1\_2460



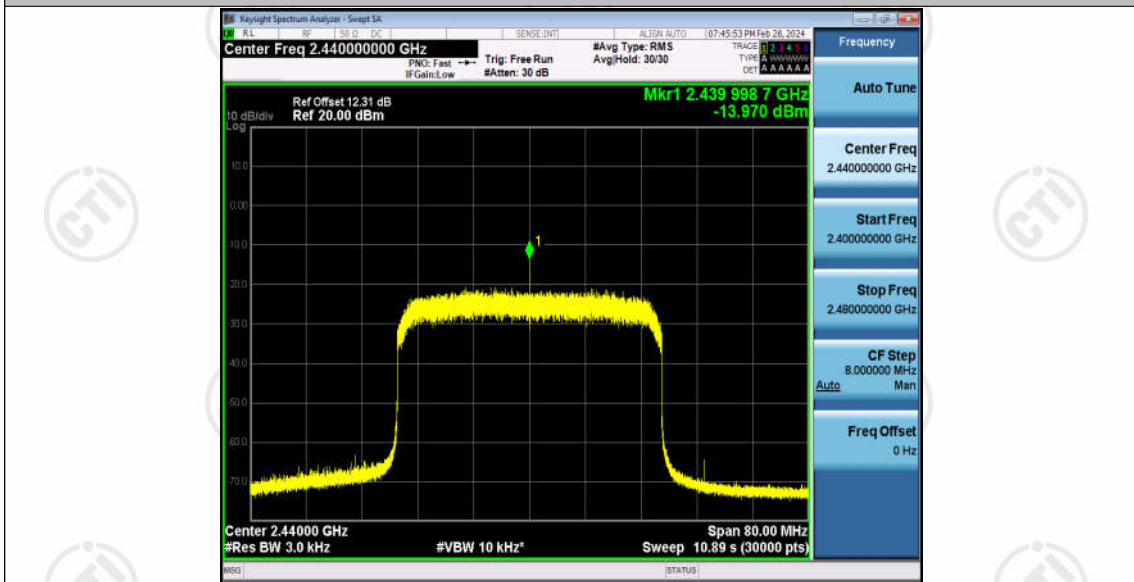
2.4G Slot 20MHz\_Ant2\_2460





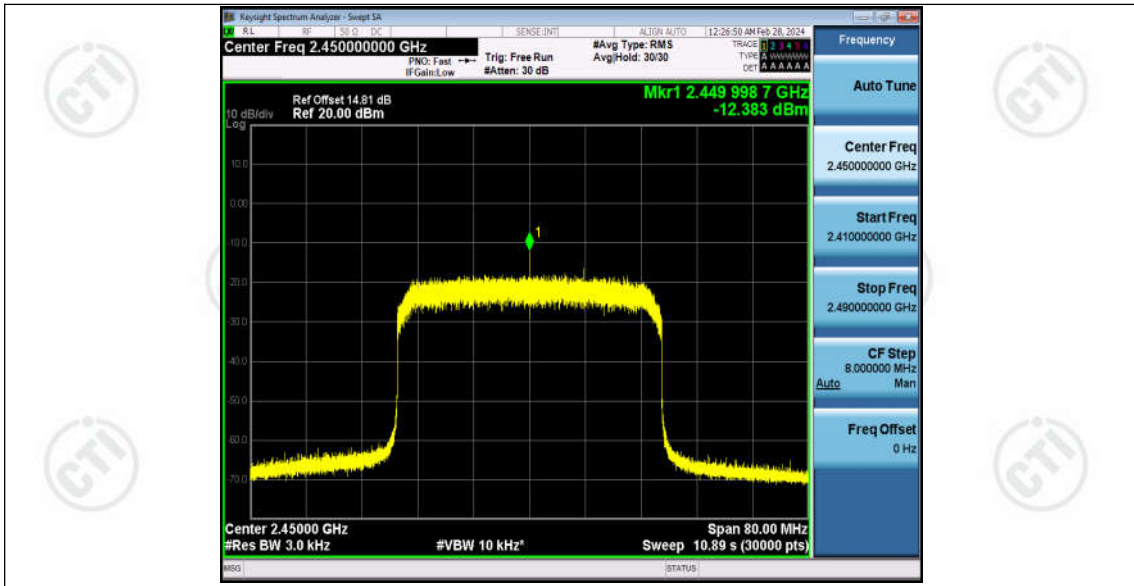


2.4G Slot 40MHz\_Ant2\_2440

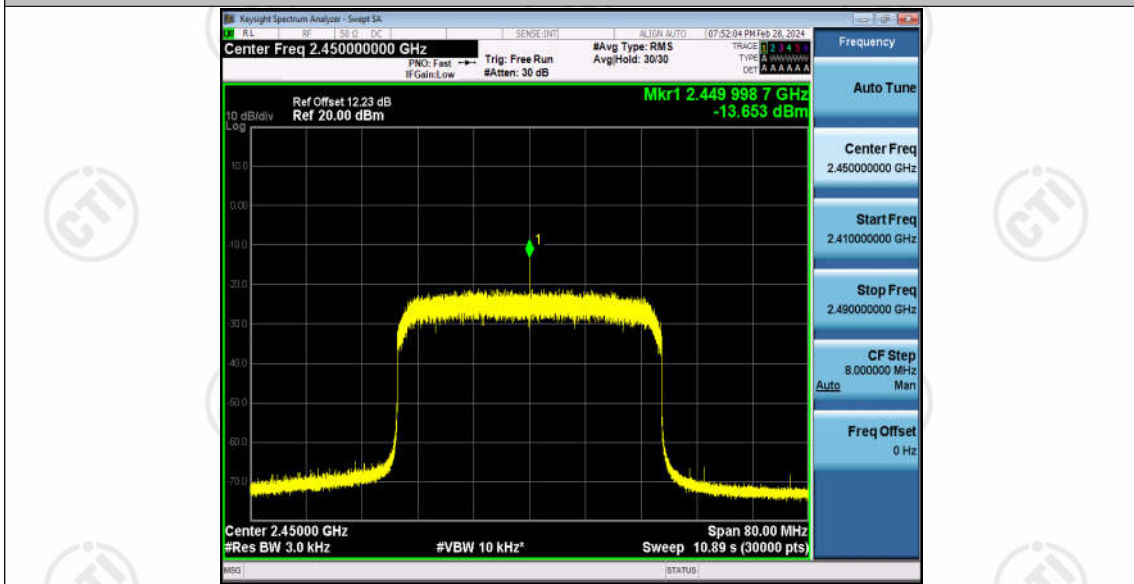


2.4G Slot 40MHz\_Ant1\_2450





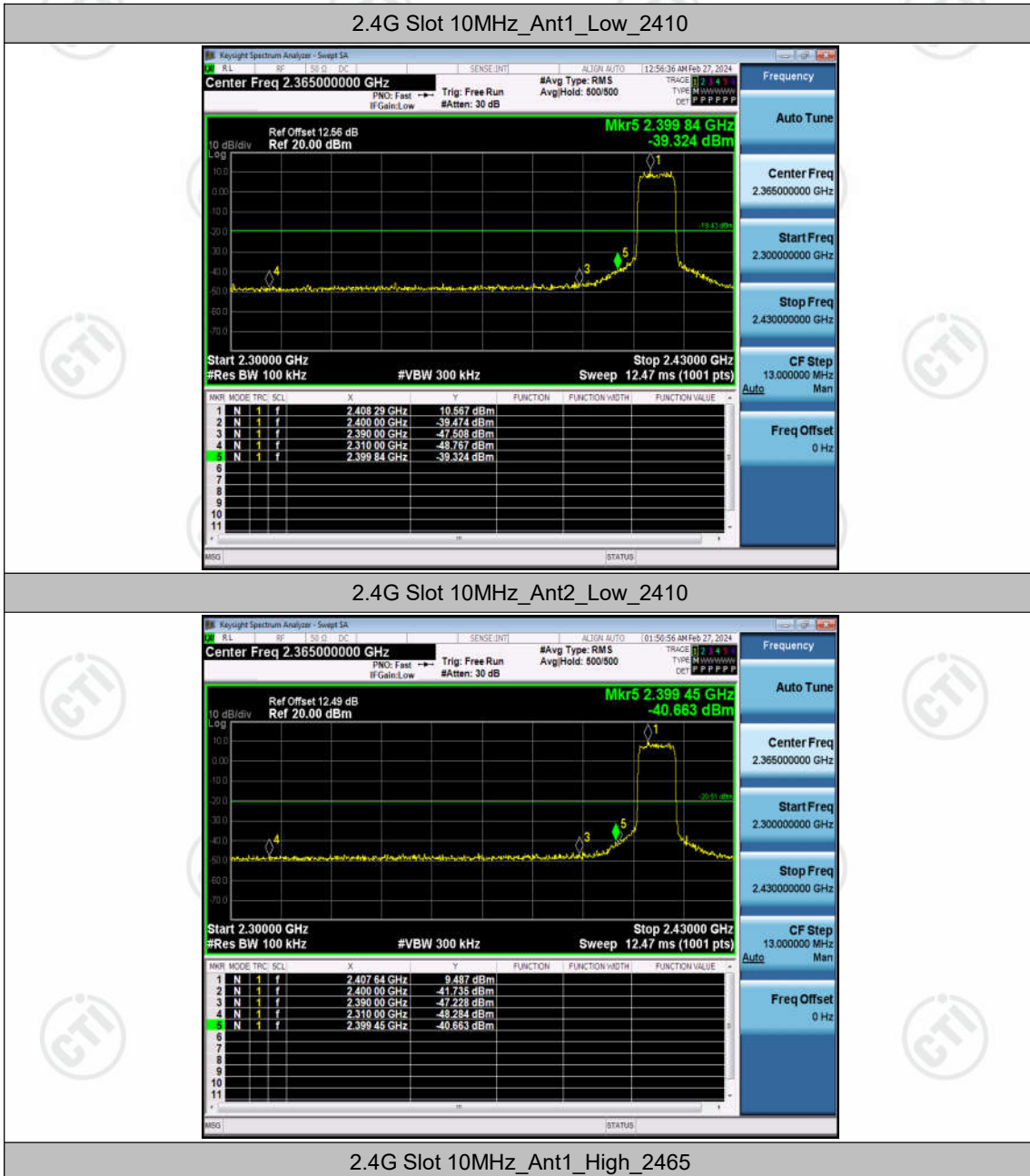
2.4G Slot 40MHz\_Ant2\_2450

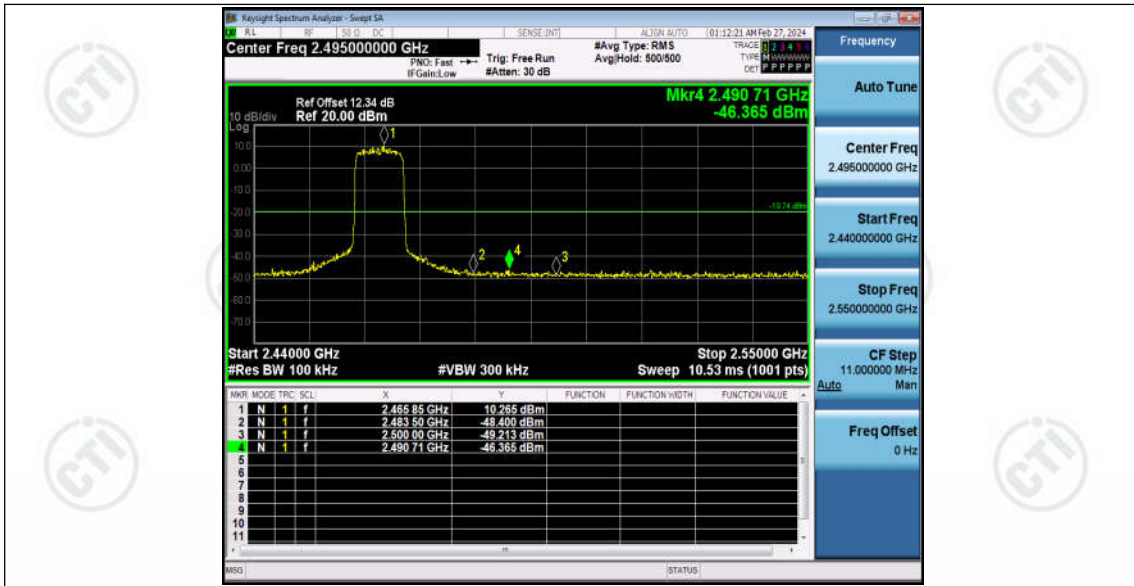


**Appendix E: Band edge measurements****Test Result**

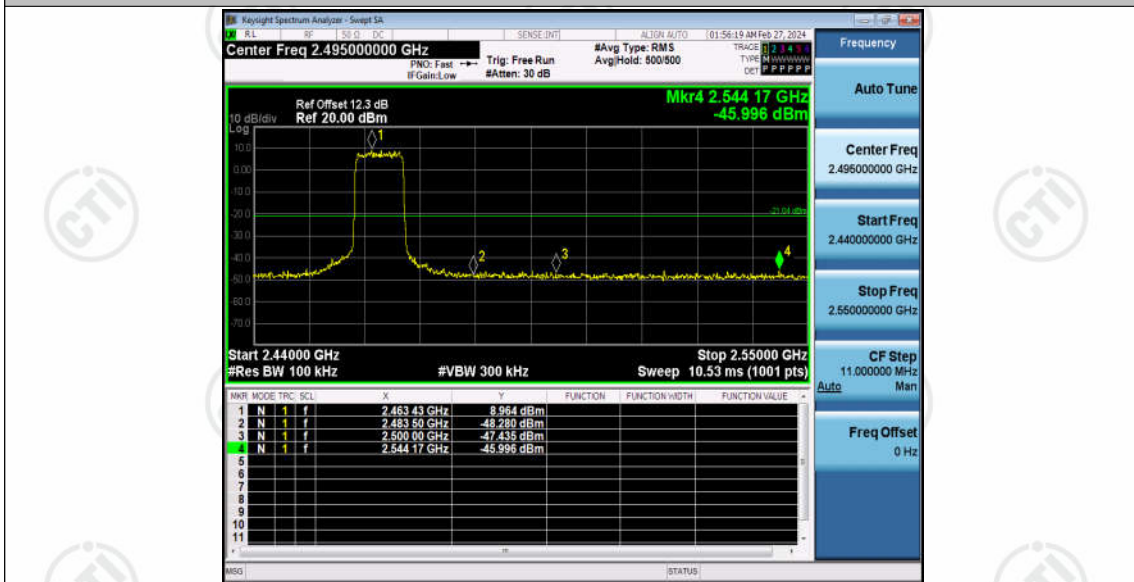
Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G Slot 10MHz	Ant1	Low	2410	10.57	-39.32	≤-19.43	PASS
	Ant2	Low	2410	9.49	-40.66	≤-20.51	PASS
	Ant1	High	2465	10.27	-46.37	≤-19.74	PASS
	Ant2	High	2465	8.96	-46	≤-21.04	PASS
2.4G Slot 20MHz	Ant1	Low	2415	7.62	-36.65	≤-22.39	PASS
	Ant2	Low	2415	6.62	-39.75	≤-23.38	PASS
	Ant1	High	2460	7.15	-44.63	≤-22.85	PASS
	Ant2	High	2460	6.58	-46.41	≤-23.42	PASS
2.4G Slot 40MHz	Ant1	Low	2425	3.61	-37.54	≤-26.39	PASS
	Ant2	Low	2425	3.43	-38.93	≤-26.57	PASS
	Ant1	High	2450	3.09	-44.14	≤-26.91	PASS
	Ant2	High	2450	2.74	-46.52	≤-27.26	PASS

## Test Graphs





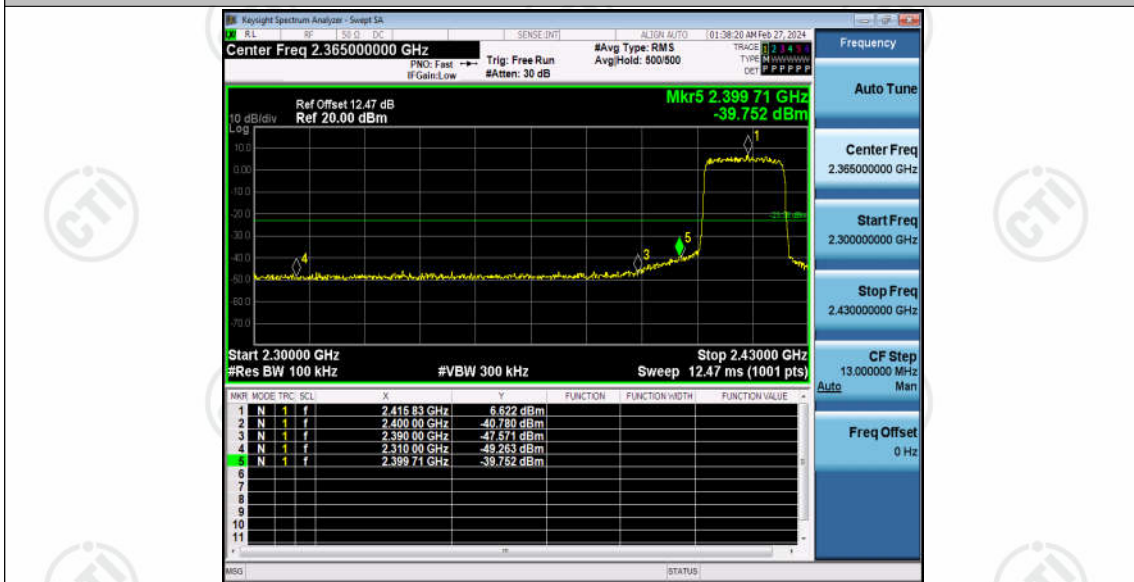
2.4G Slot 10MHz\_Ant2\_High\_2465



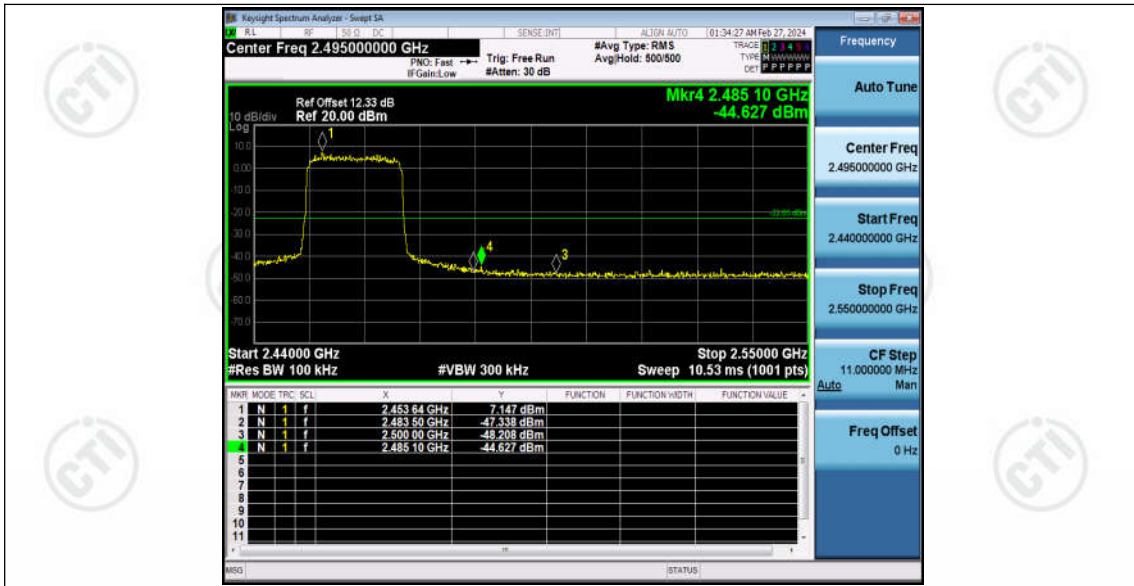
2.4G Slot 20MHz\_Ant1\_Low\_2415



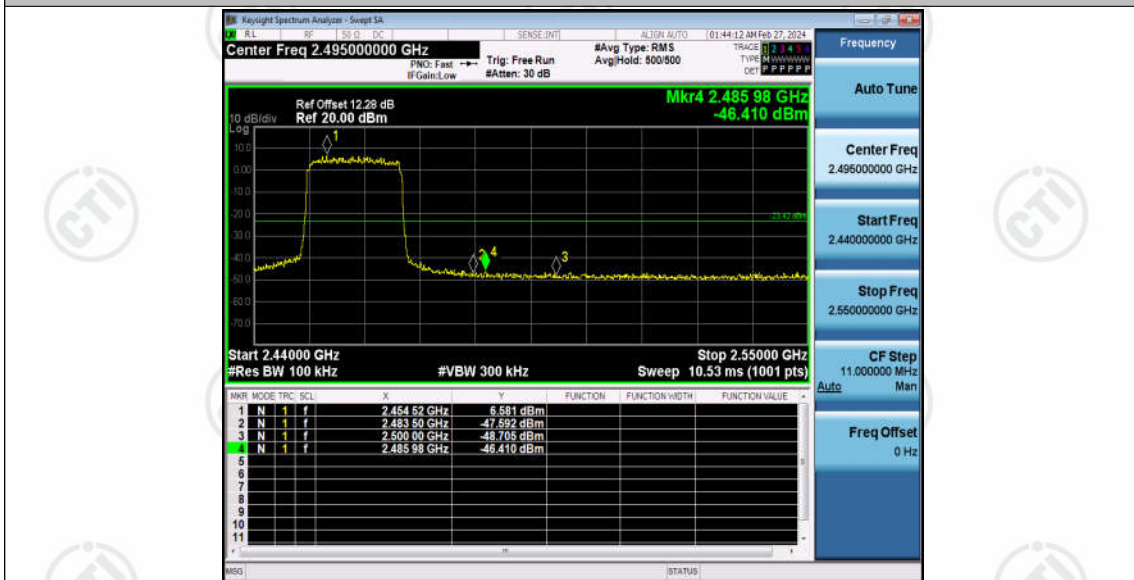
2.4G Slot 20MHz\_Ant2\_Low\_2415



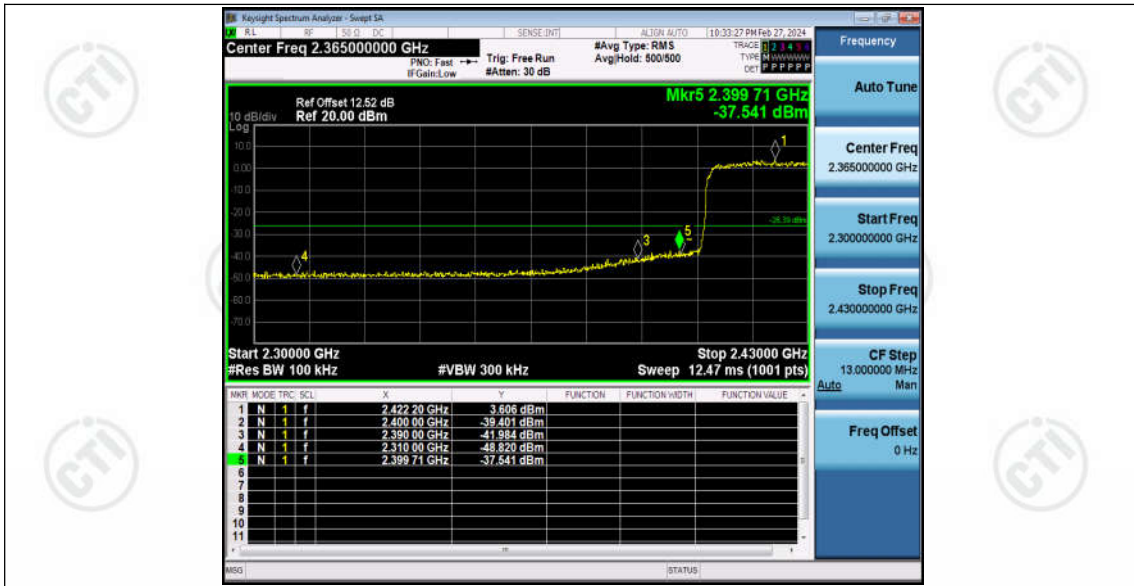
2.4G Slot 20MHz\_Ant1\_High\_2460



2.4G Slot 20MHz\_Ant2\_High\_2460



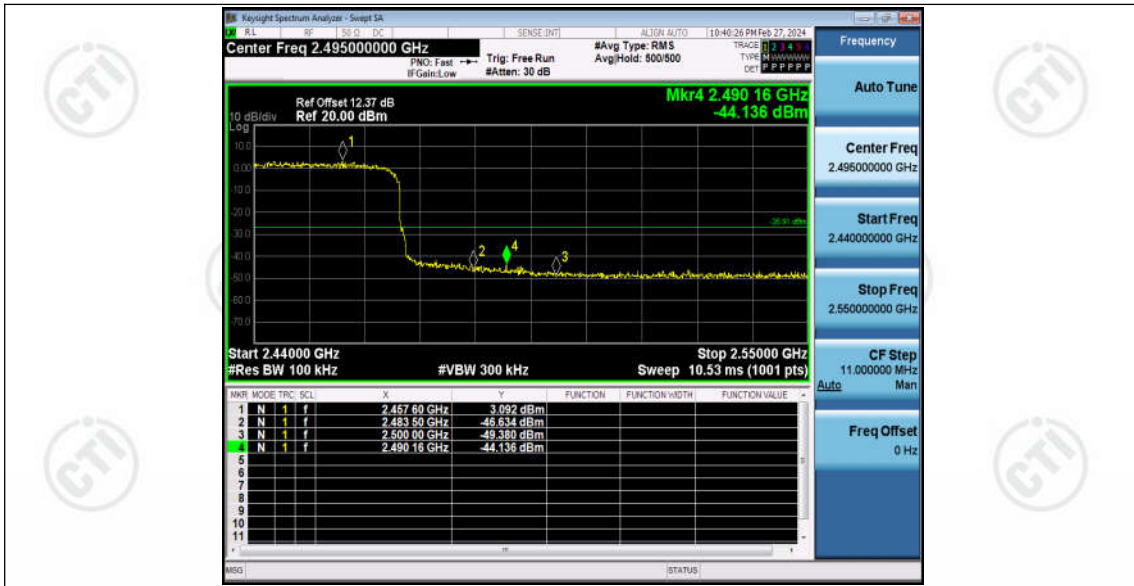
2.4G Slot 40MHz\_Ant1\_Low\_2425



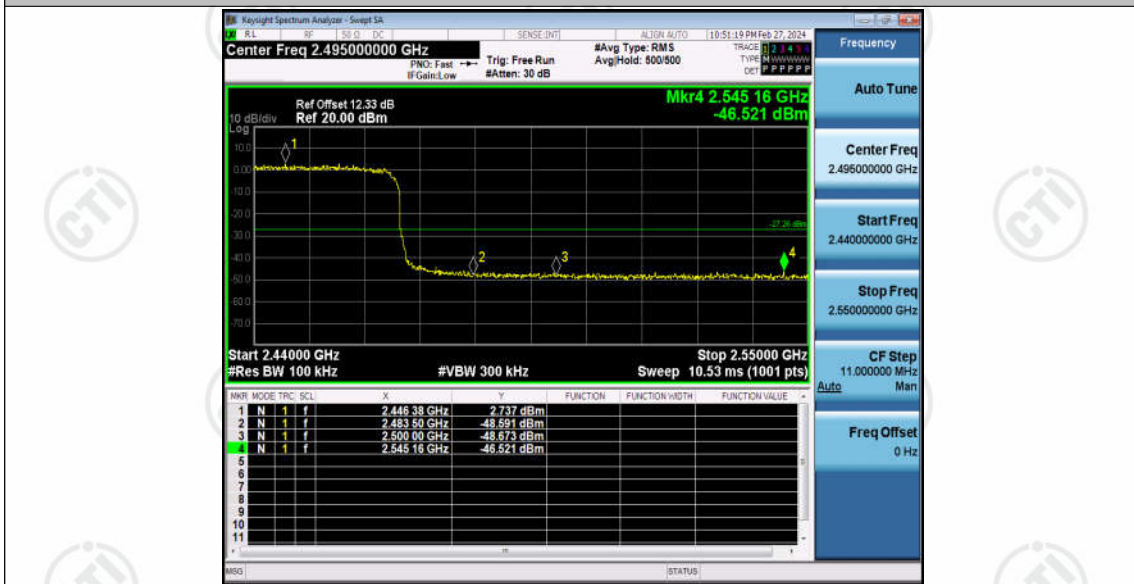
2.4G Slot 40MHz\_Ant2\_Low\_2425



2.4G Slot 40MHz\_Ant1\_High\_2450



2.4G Slot 40MHz\_Ant2\_High\_2450





## Appendix F: Conducted Spurious Emission

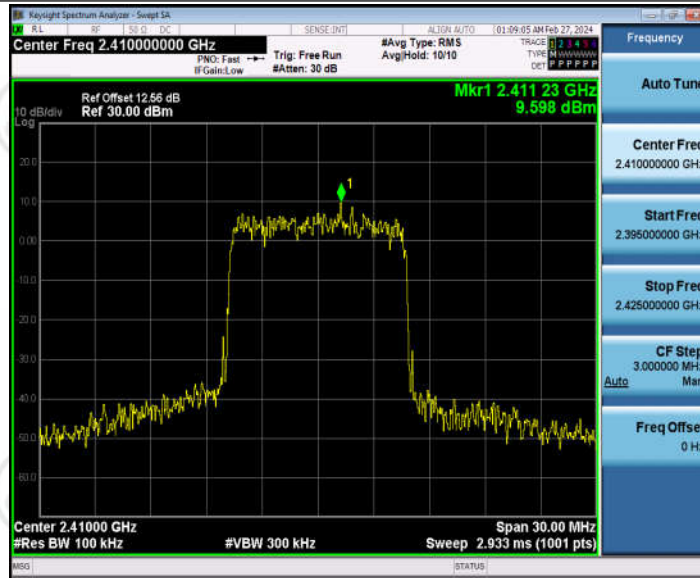
### Test Result

Test Mode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
2.4G Slot 10MHz	Ant1	2410	Reference	9.60	9.60	---	PASS
			30~1000	9.60	-57.89	≤-20.4	PASS
			1000~26500	9.60	-40.86	≤-20.4	PASS
	Ant2	2410	Reference	8.38	8.38	---	PASS
			30~1000	8.38	-57.64	≤-21.62	PASS
			1000~26500	8.38	-38.16	≤-21.62	PASS
	Ant1	2440	Reference	8.01	8.01	---	PASS
			30~1000	8.01	-58.6	≤-21.99	PASS
			1000~26500	8.01	-40.31	≤-21.99	PASS
	Ant2	2440	Reference	7.89	7.89	---	PASS
			30~1000	7.89	-58.72	≤-22.11	PASS
			1000~26500	7.89	-38.29	≤-22.11	PASS
Ant1	2465	Reference	6.88	6.88	---	PASS	
		30~1000	6.88	-57.58	≤-23.12	PASS	
		1000~26500	6.88	-40.5	≤-23.12	PASS	
Ant2	2465	Reference	8.16	8.16	---	PASS	
		30~1000	8.16	-58.29	≤-21.84	PASS	
		1000~26500	8.16	-40.44	≤-21.84	PASS	
2.4G Slot 20MHz	Ant1	2415	Reference	6.48	6.48	---	PASS
			30~1000	6.48	-58.47	≤-23.52	PASS
			1000~26500	6.48	-40.69	≤-23.52	PASS
	Ant2	2415	Reference	6.87	6.87	---	PASS
			30~1000	6.87	-58.03	≤-23.13	PASS
			1000~26500	6.87	-39.53	≤-23.13	PASS
	Ant1	2440	Reference	4.44	4.44	---	PASS
			30~1000	4.44	-58.31	≤-25.56	PASS
			1000~26500	4.44	-40.82	≤-25.56	PASS
	Ant2	2440	Reference	4.01	4.01	---	PASS
			30~1000	4.01	-58.18	≤-25.99	PASS
			1000~26500	4.01	-39.18	≤-25.99	PASS
Ant1	2460	Reference	5.35	5.35	---	PASS	
		30~1000	5.35	-58.62	≤-24.65	PASS	
		1000~26500	5.35	-40.32	≤-24.65	PASS	
Ant2	2460	Reference	3.77	3.77	---	PASS	
		30~1000	3.77	-58.02	≤-26.23	PASS	

			1000~26500	3.77	-38.89	≤-26.23	PASS
2.4G Slot 40MHz	Ant1	2425	Reference	2.30	2.30	---	PASS
			30~1000	2.30	-58.45	≤-27.7	PASS
			1000~26500	2.30	-40.49	≤-27.7	PASS
	Ant2	2425	Reference	1.59	1.59	---	PASS
			30~1000	1.59	-58.07	≤-28.41	PASS
			1000~26500	1.59	-39.46	≤-28.41	PASS
	Ant1	2440	Reference	2.54	2.54	---	PASS
			30~1000	2.54	-58.1	≤-27.46	PASS
			1000~26500	2.54	-41.03	≤-27.46	PASS
	Ant2	2440	Reference	1.18	1.18	---	PASS
			30~1000	1.18	-57.56	≤-28.82	PASS
			1000~26500	1.18	-39.04	≤-28.82	PASS
	Ant1	2450	Reference	2.17	2.17	---	PASS
			30~1000	2.17	-58.92	≤-27.83	PASS
			1000~26500	2.17	-40.66	≤-27.83	PASS
	Ant2	2450	Reference	1.08	1.08	---	PASS
			30~1000	1.08	-57.5	≤-28.92	PASS
			1000~26500	1.08	-39.31	≤-28.92	PASS

## Test Graphs

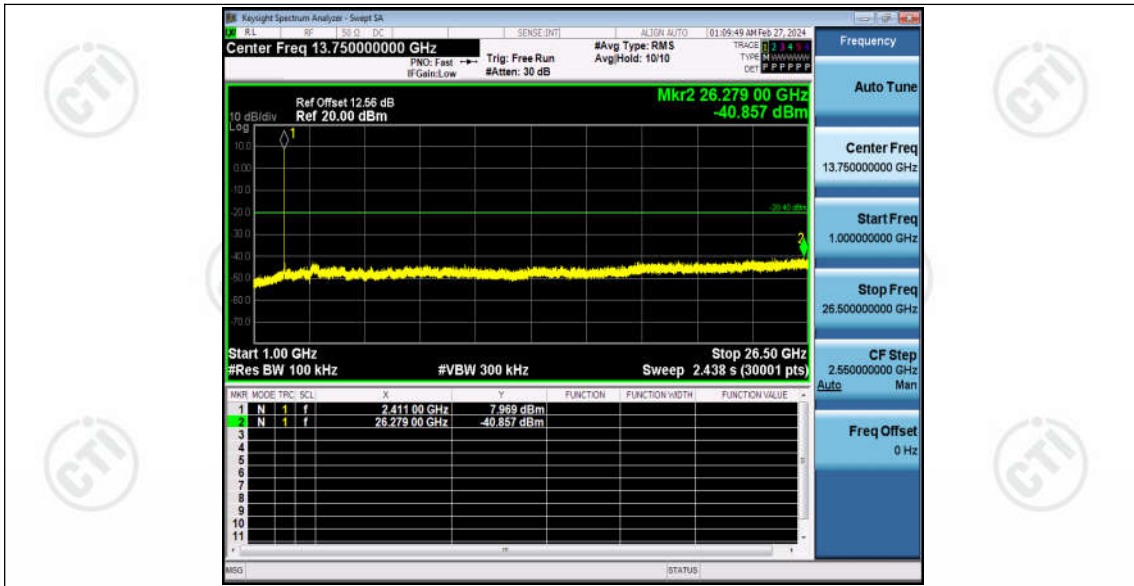
2.4G Slot 10MHz\_Ant1\_2410\_0~Reference



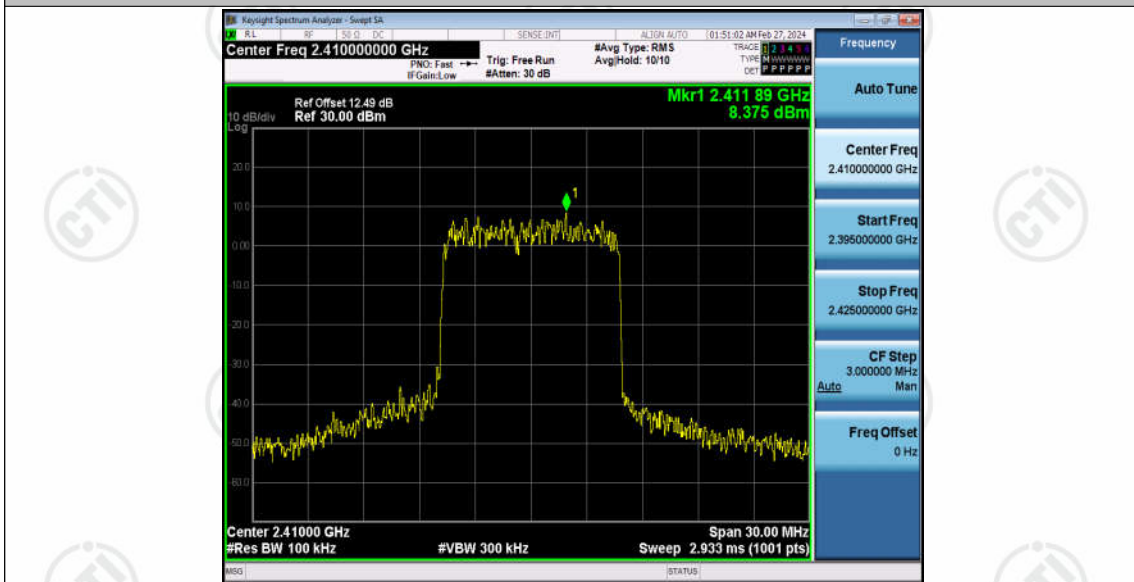
2.4G Slot 10MHz\_Ant1\_2410\_30~1000



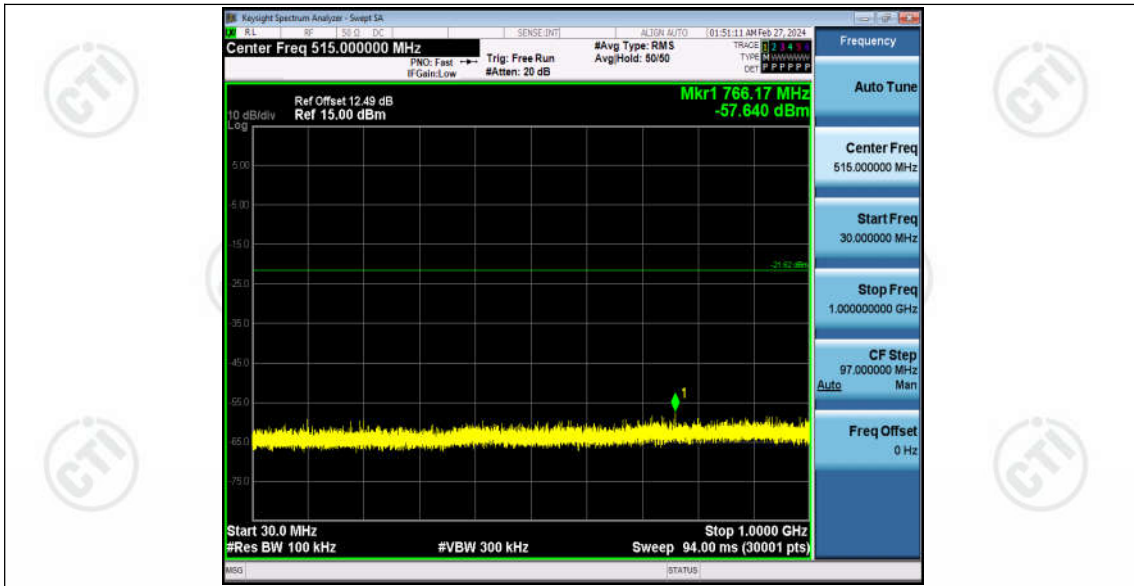
2.4G Slot 10MHz\_Ant1\_2410\_1000~26500



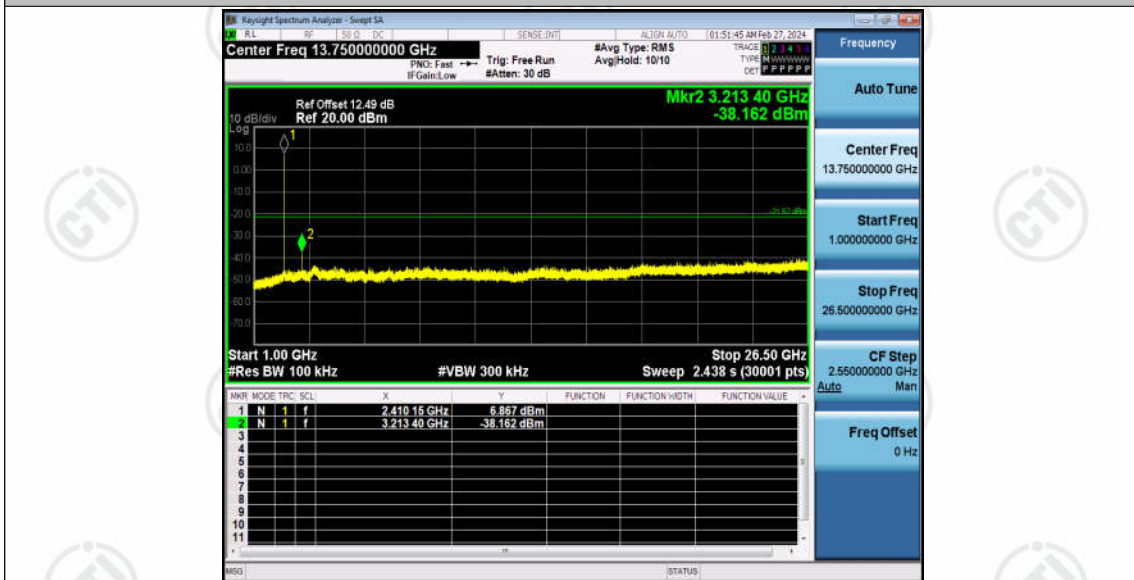
2.4G Slot 10MHz\_Ant2\_2410\_0~Reference



2.4G Slot 10MHz\_Ant2\_2410\_30~1000



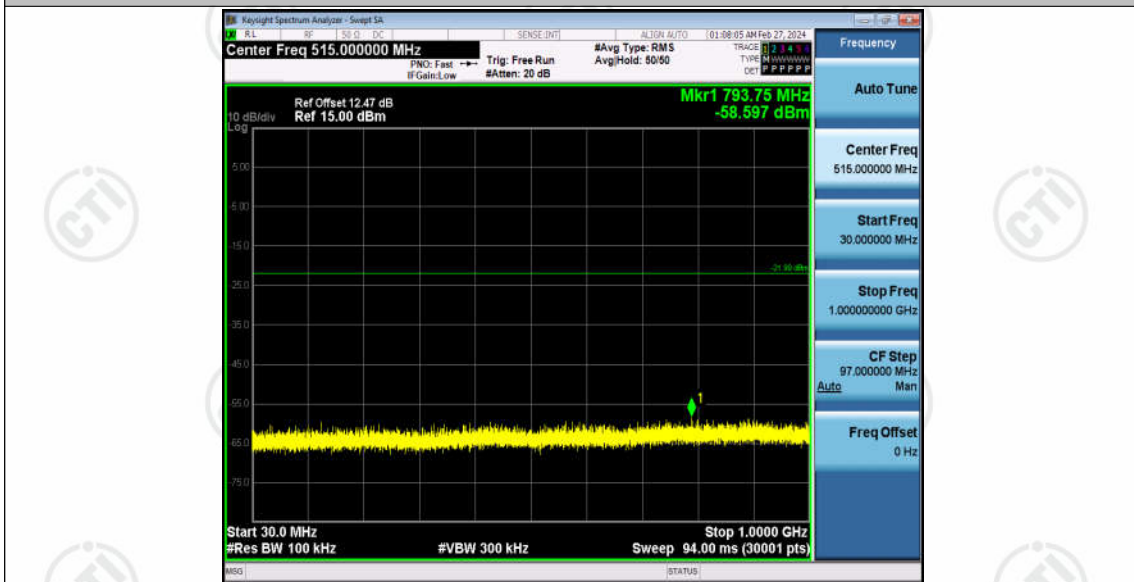
2.4G Slot 10MHz\_Ant2\_2410\_1000~26500



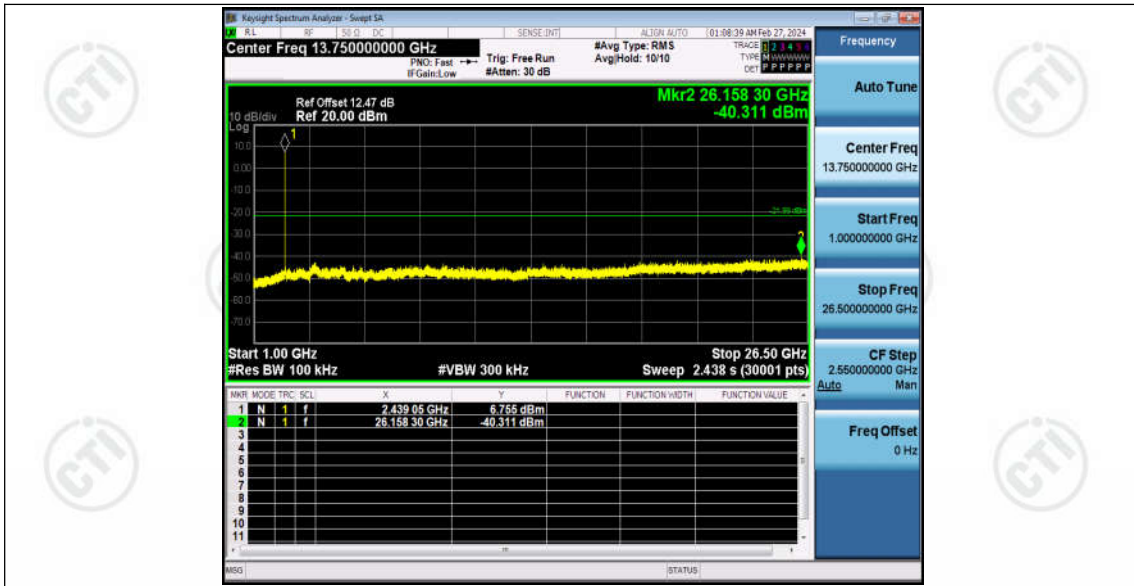
2.4G Slot 10MHz\_Ant1\_2440\_0~Reference



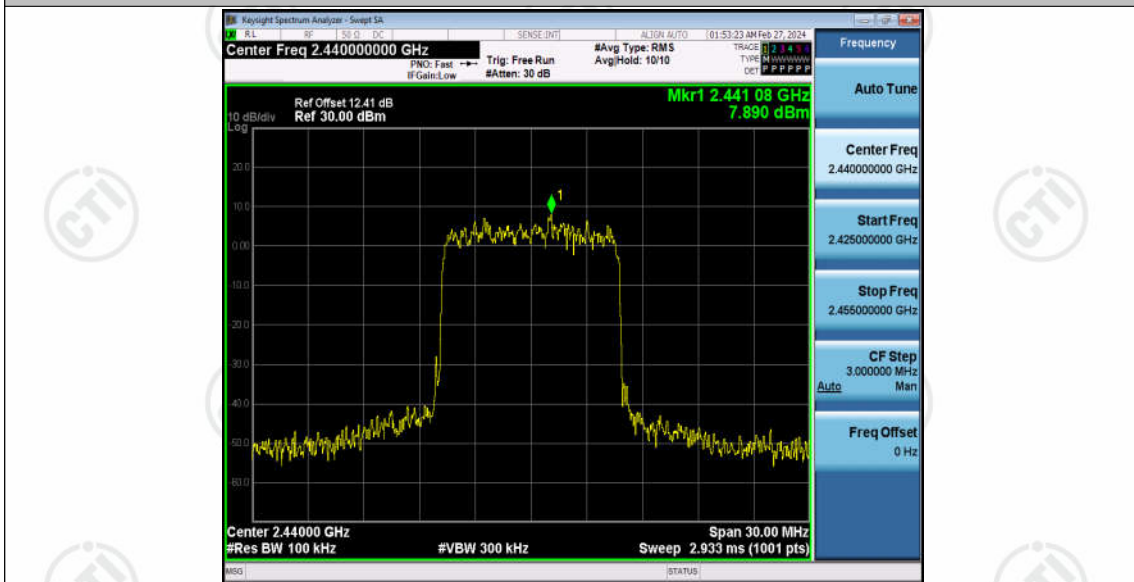
2.4G Slot 10MHz\_Ant1\_2440\_30~1000



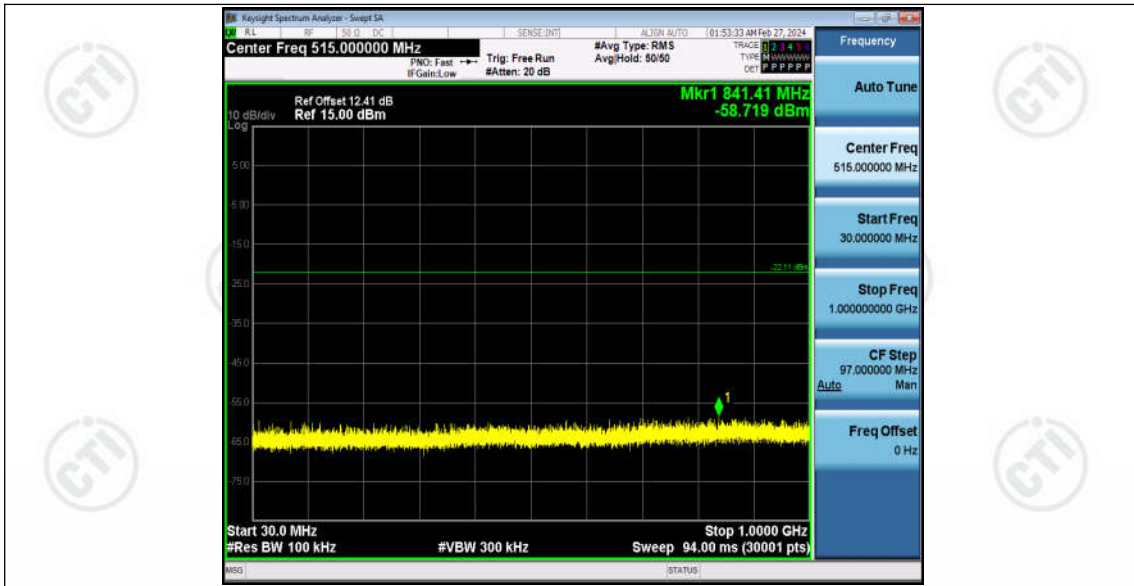
2.4G Slot 10MHz\_Ant1\_2440\_1000~26500



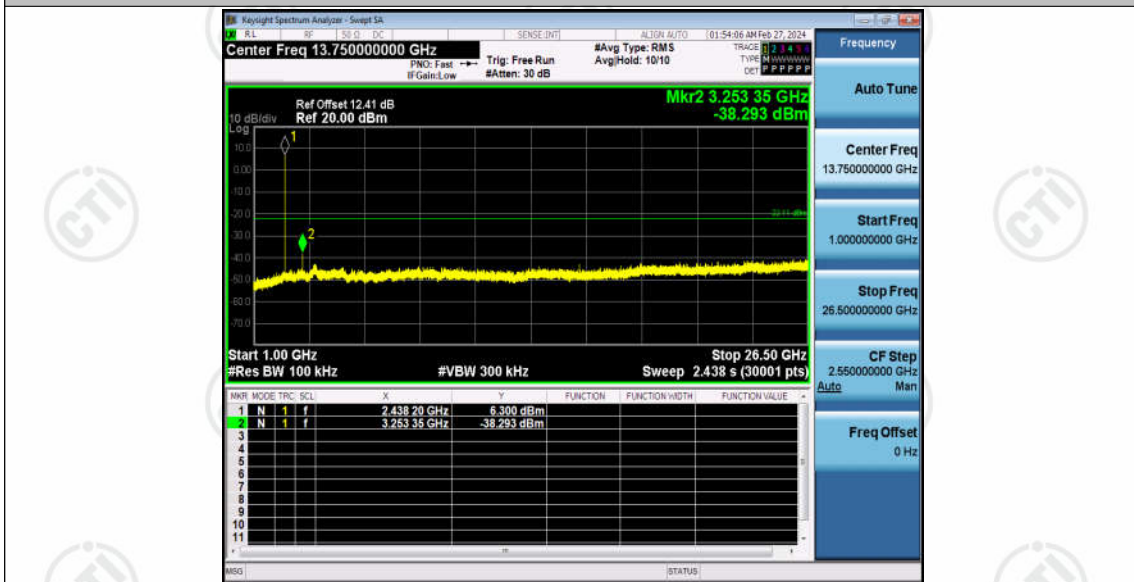
2.4G Slot 10MHz\_Ant2\_2440\_0~Reference



2.4G Slot 10MHz\_Ant2\_2440\_30~1000



2.4G Slot 10MHz\_Ant2\_2440\_1000~26500

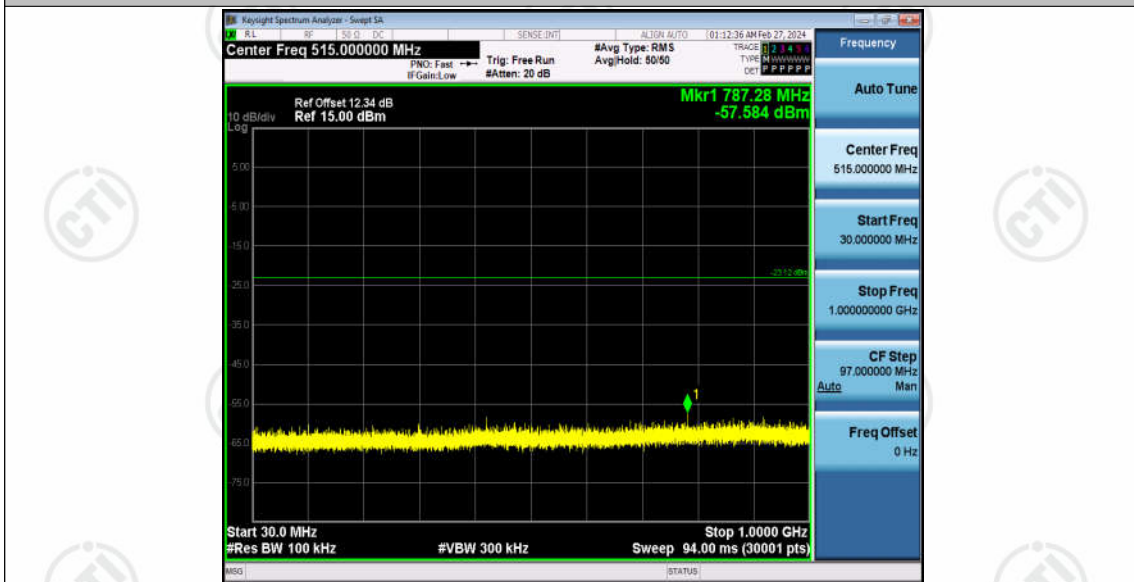


2.4G Slot 10MHz\_Ant1\_2465\_0~Reference

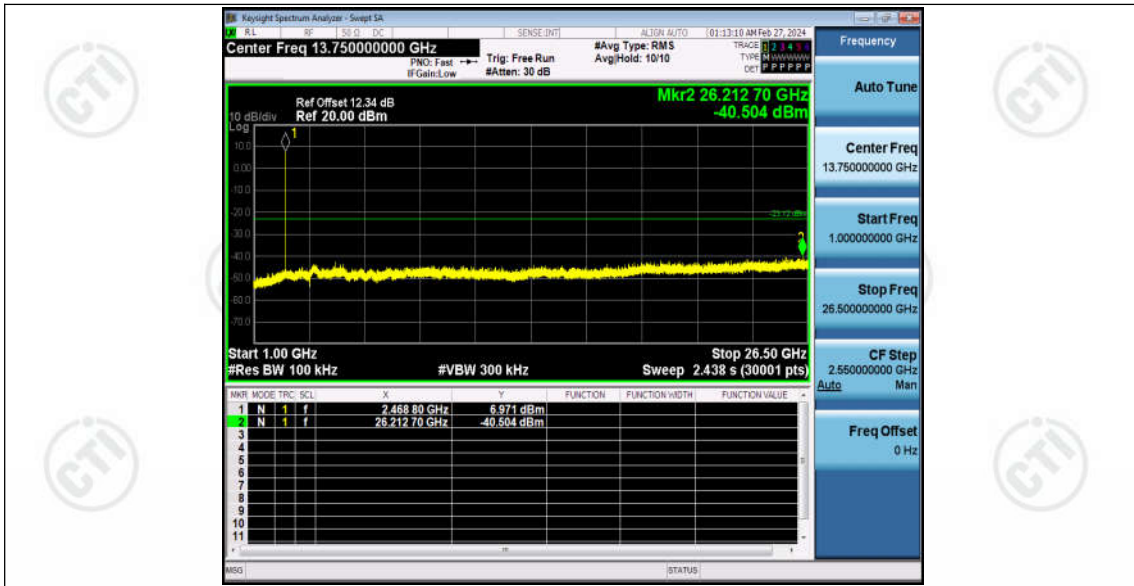




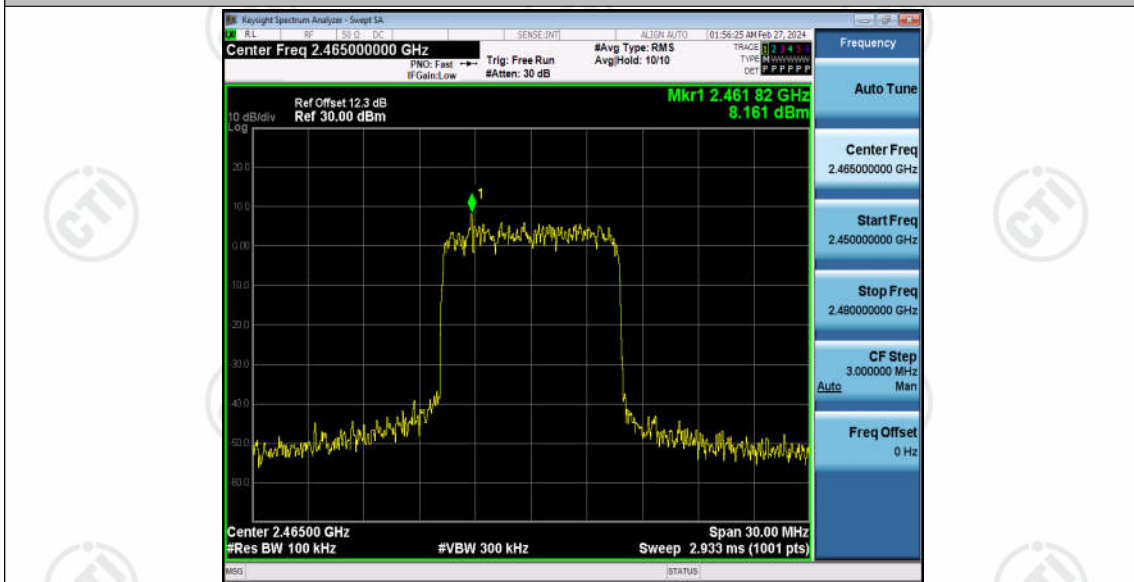
2.4G Slot 10MHz\_Ant1\_2465\_30~1000



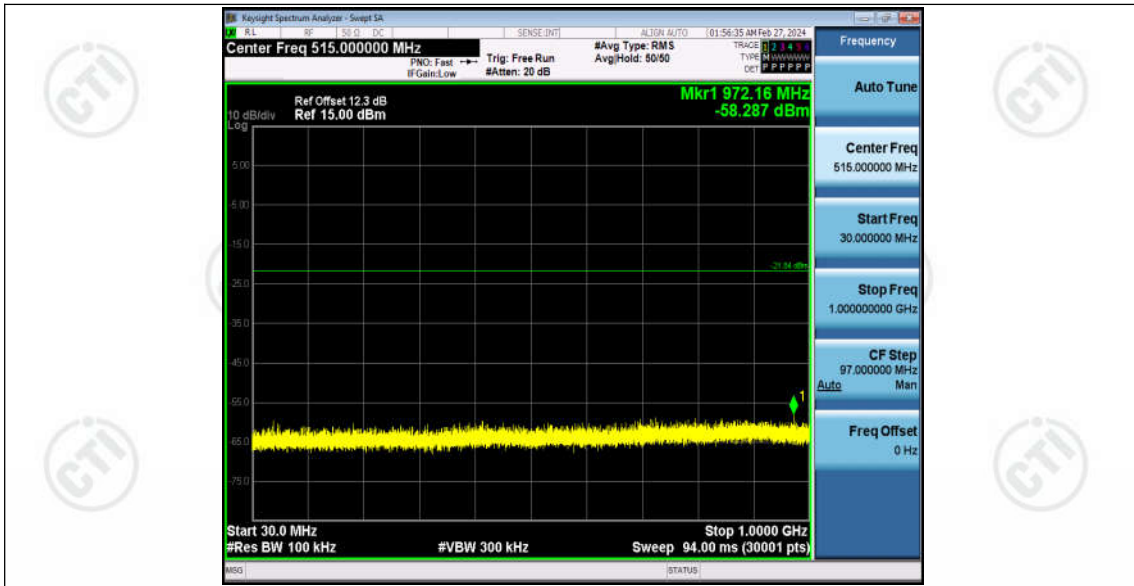
2.4G Slot 10MHz\_Ant1\_2465\_1000~26500



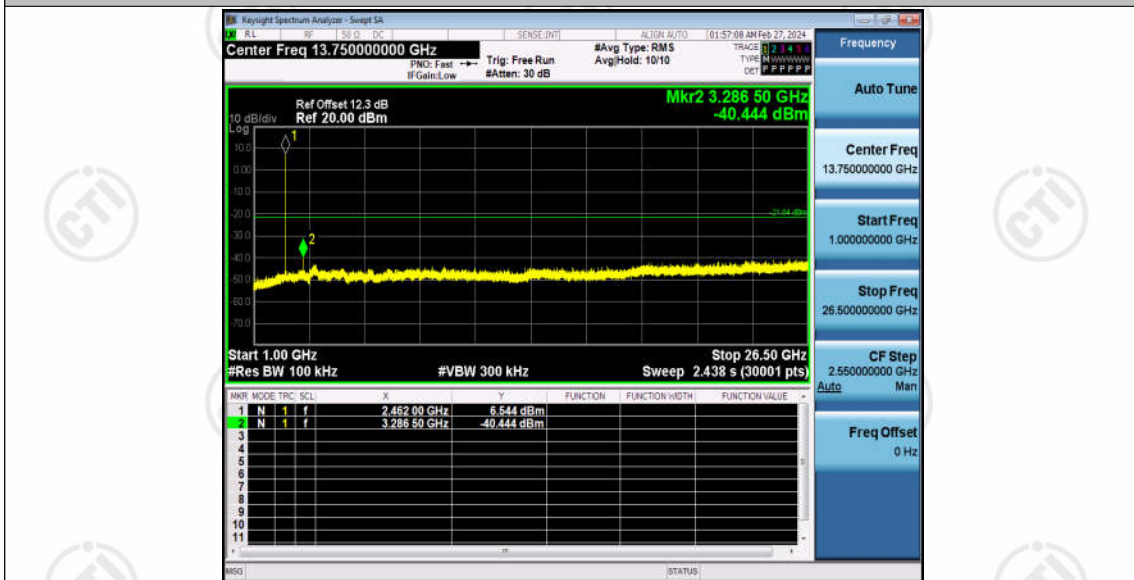
2.4G Slot 10MHz\_Ant2\_2465\_0~Reference



2.4G Slot 10MHz\_Ant2\_2465\_30~1000



2.4G Slot 10MHz\_Ant2\_2465\_1000~26500



2.4G Slot 20MHz\_Ant1\_2415\_0~Reference