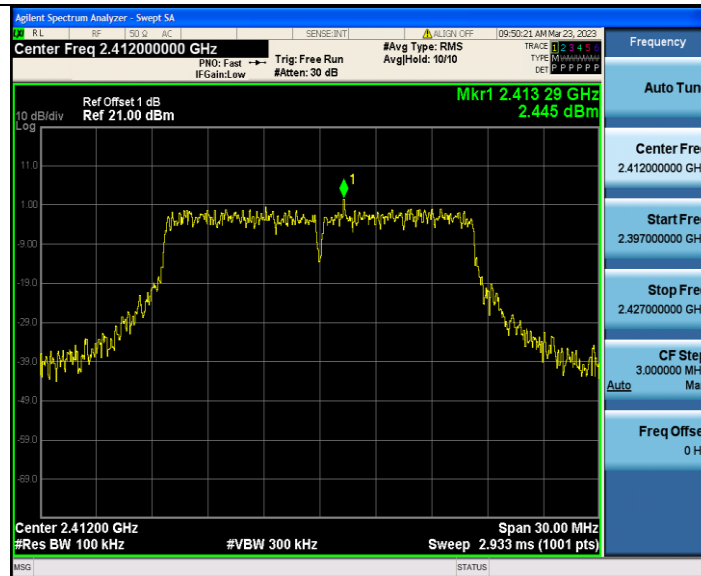


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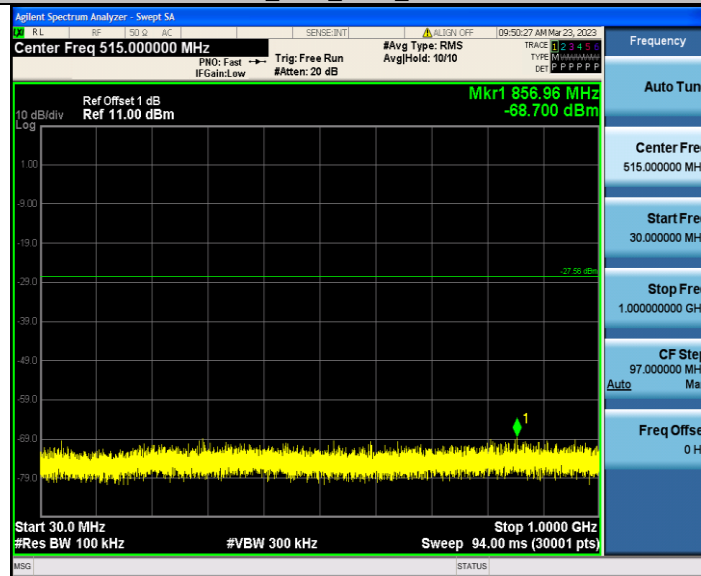
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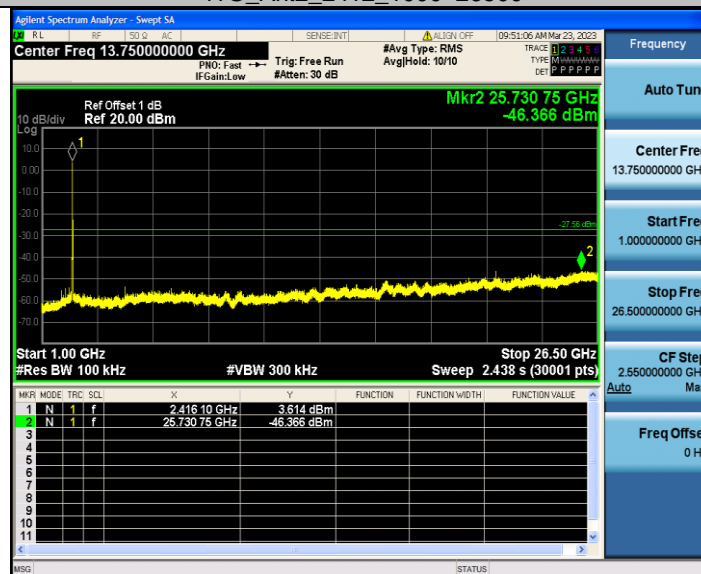
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11G_Ant2_2412_30~1000



11G_Ant2_2412_1000~26500



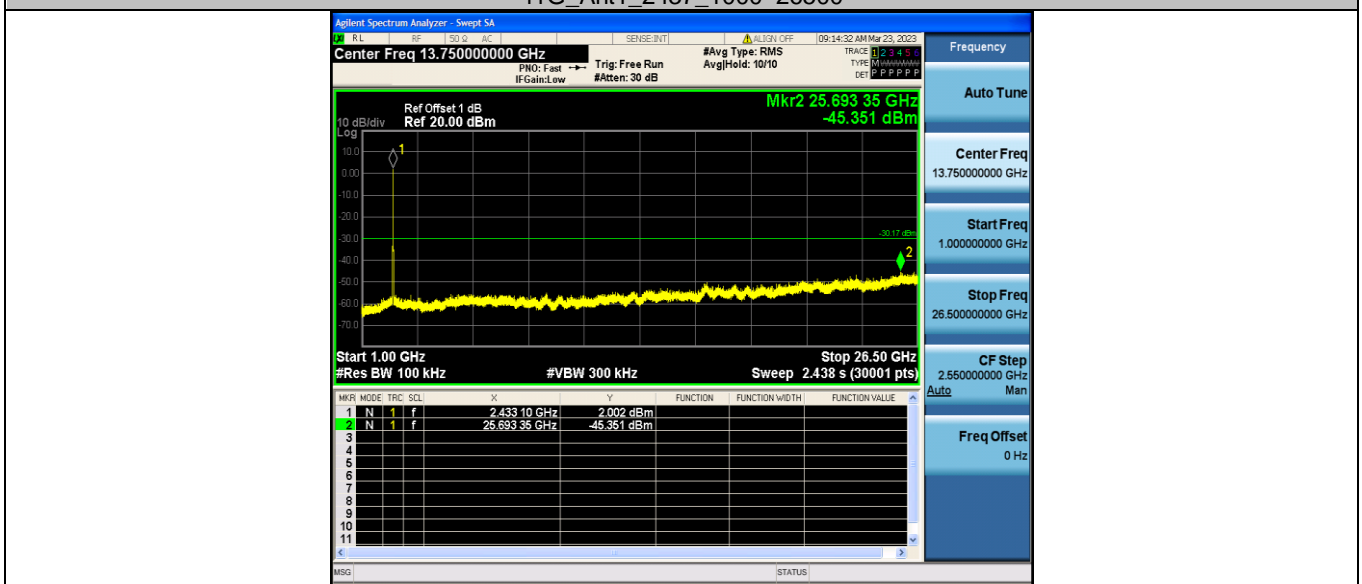
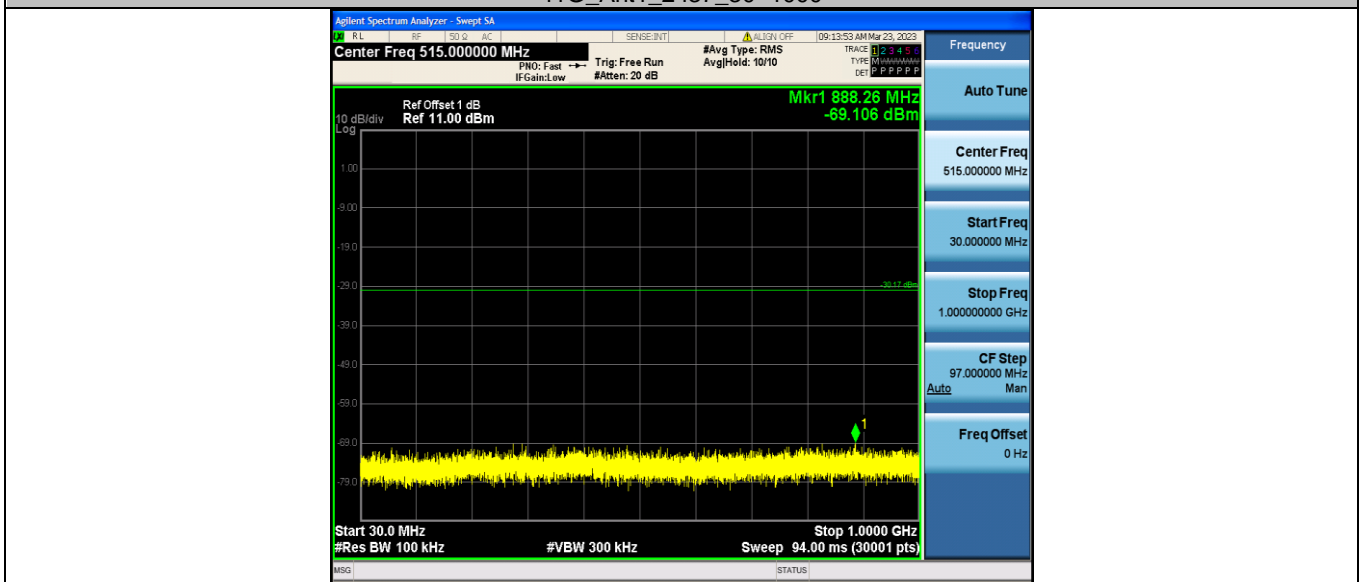
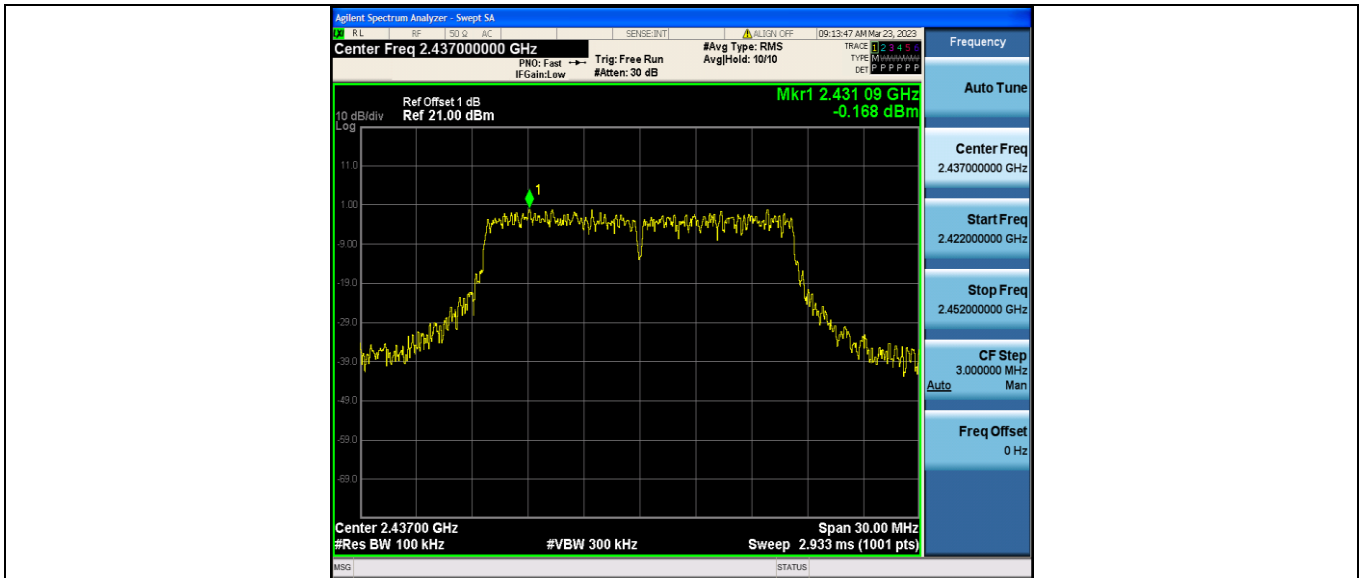
11G_Ant1_2437_0~Reference

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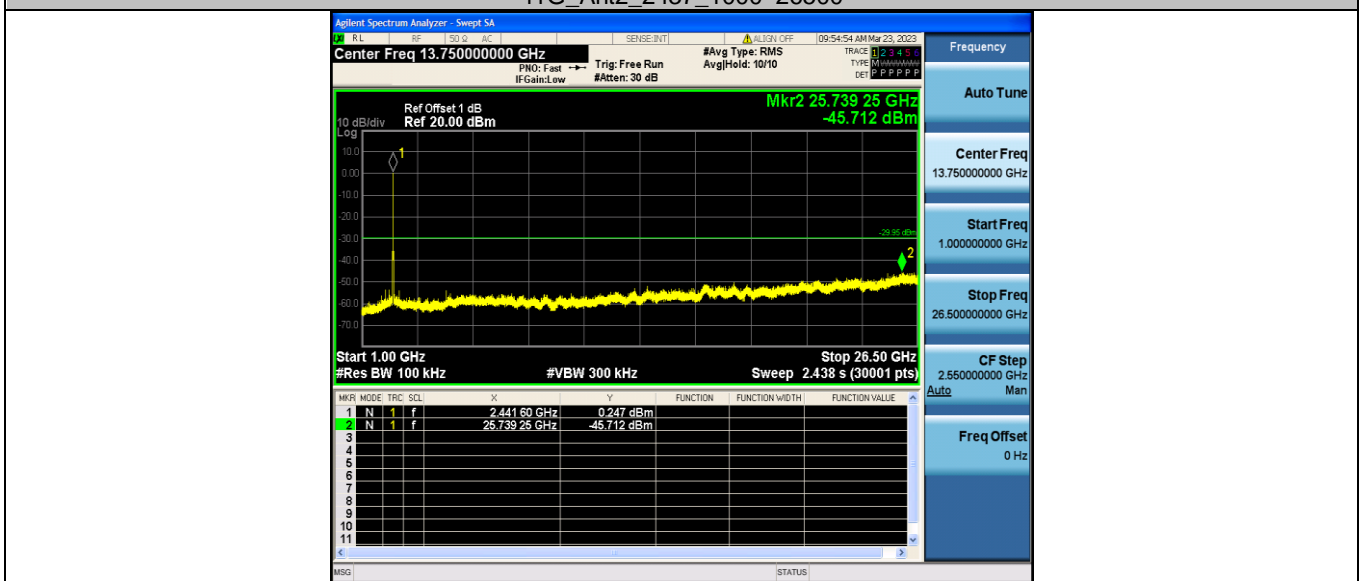
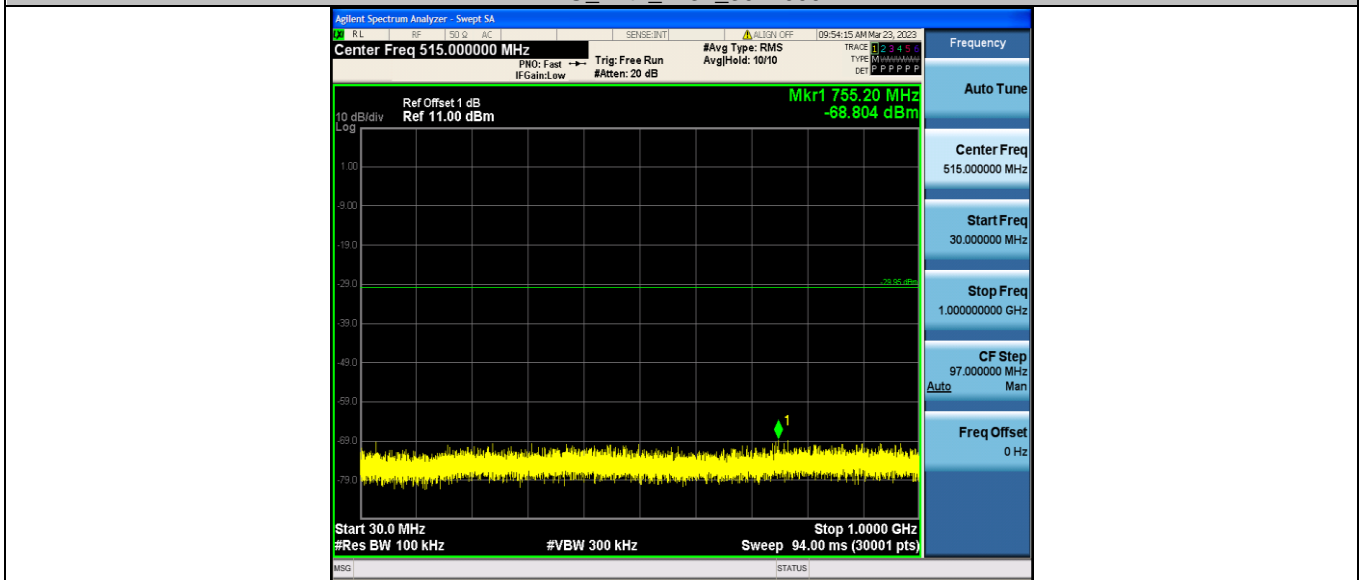
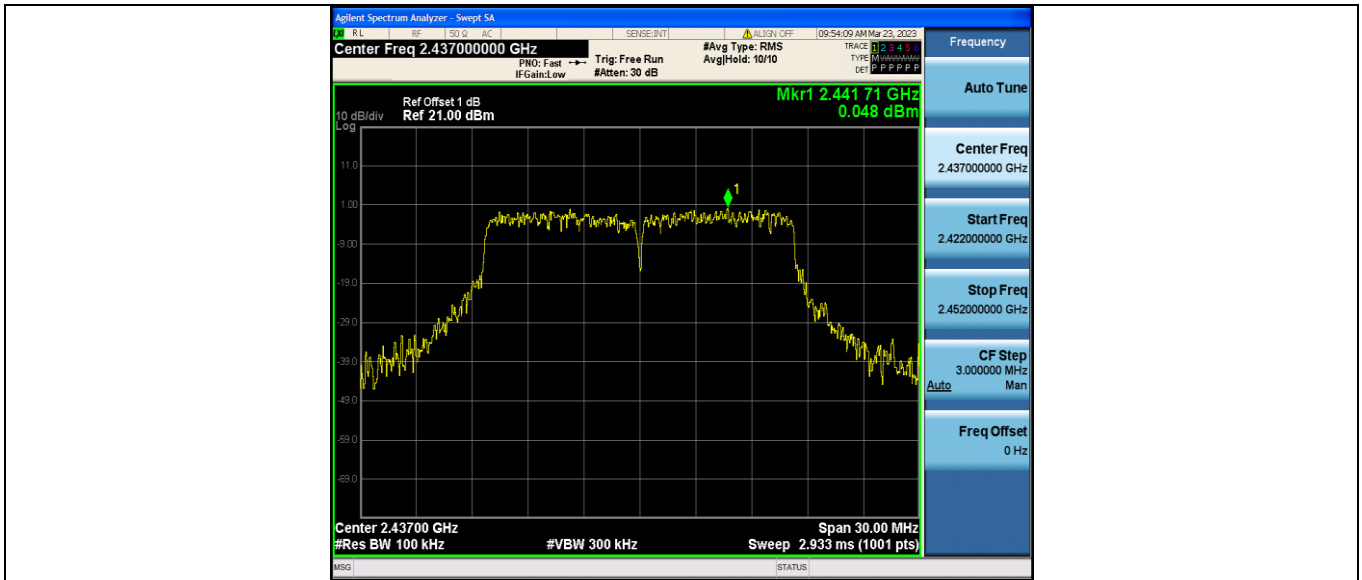


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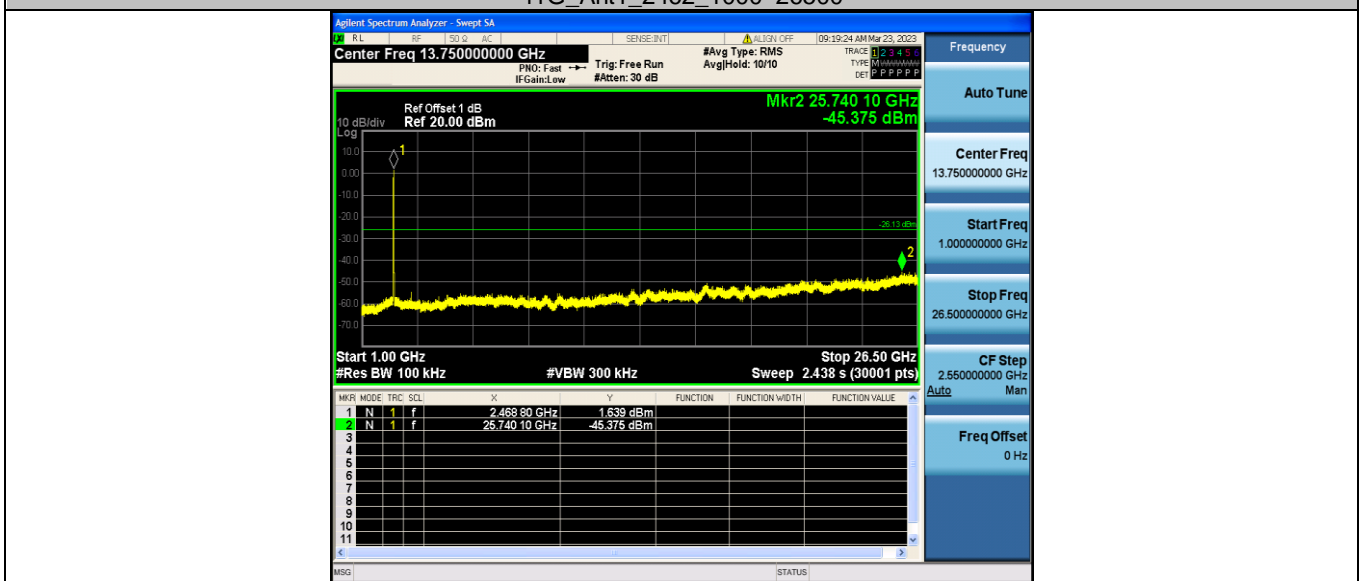
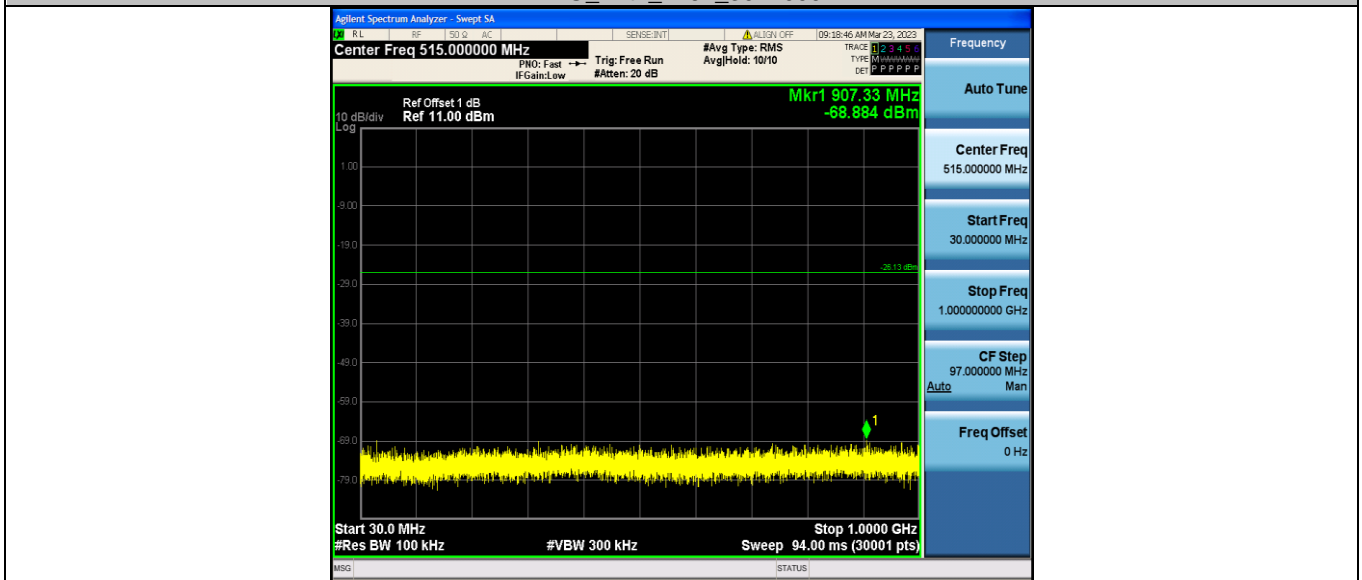
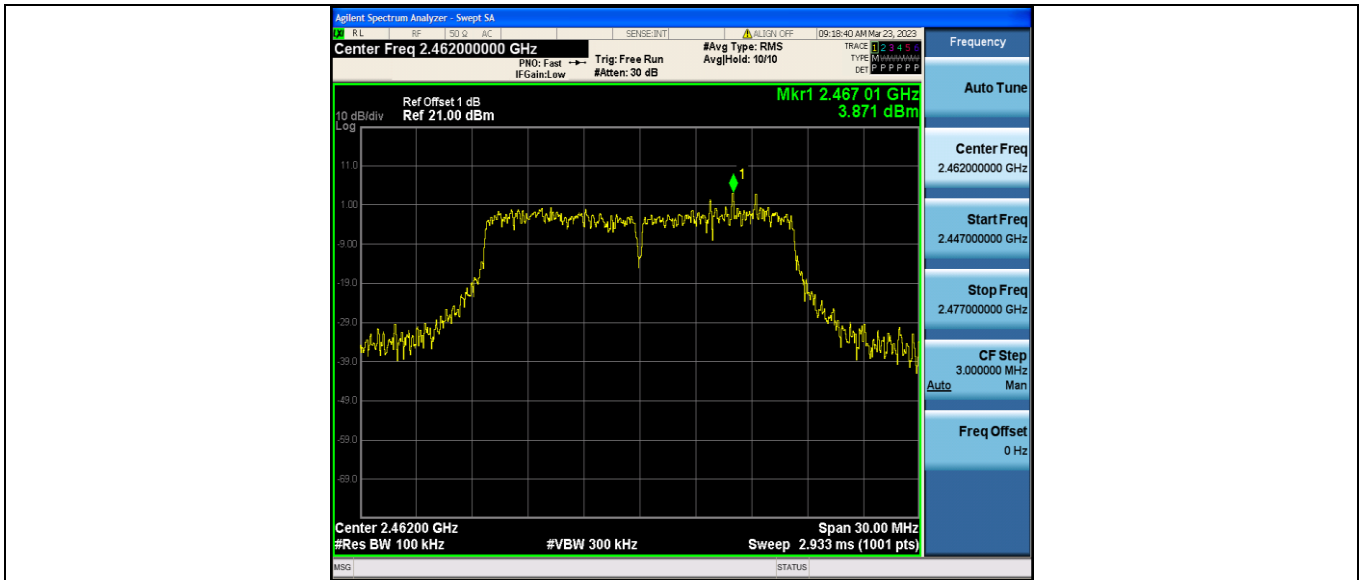


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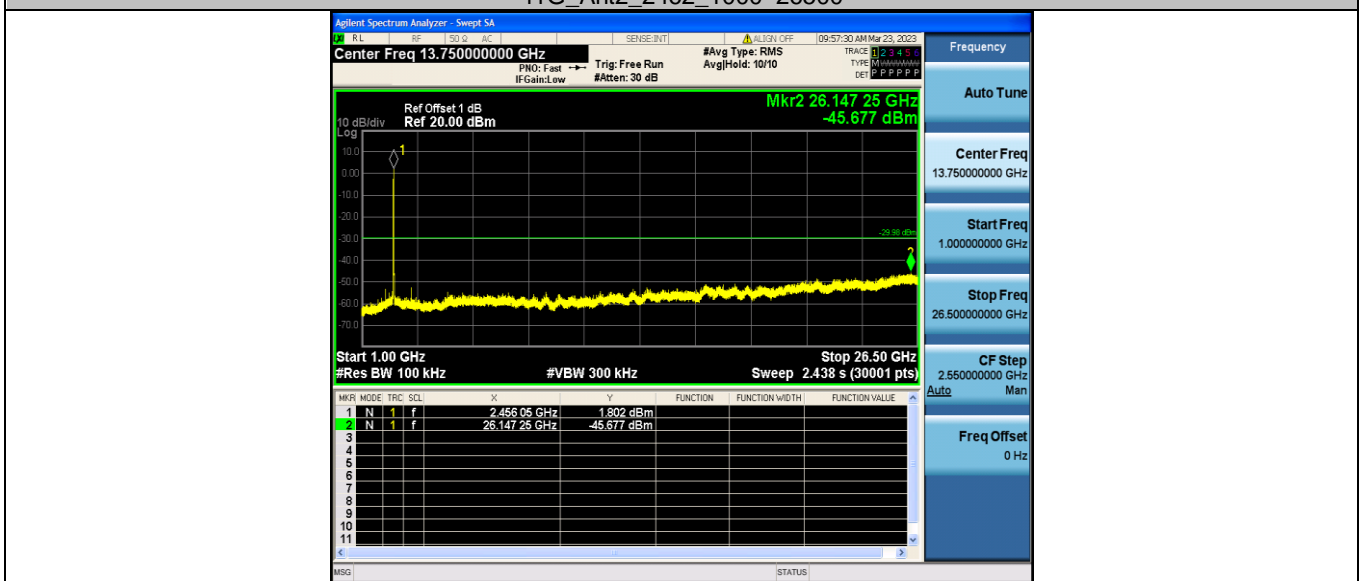
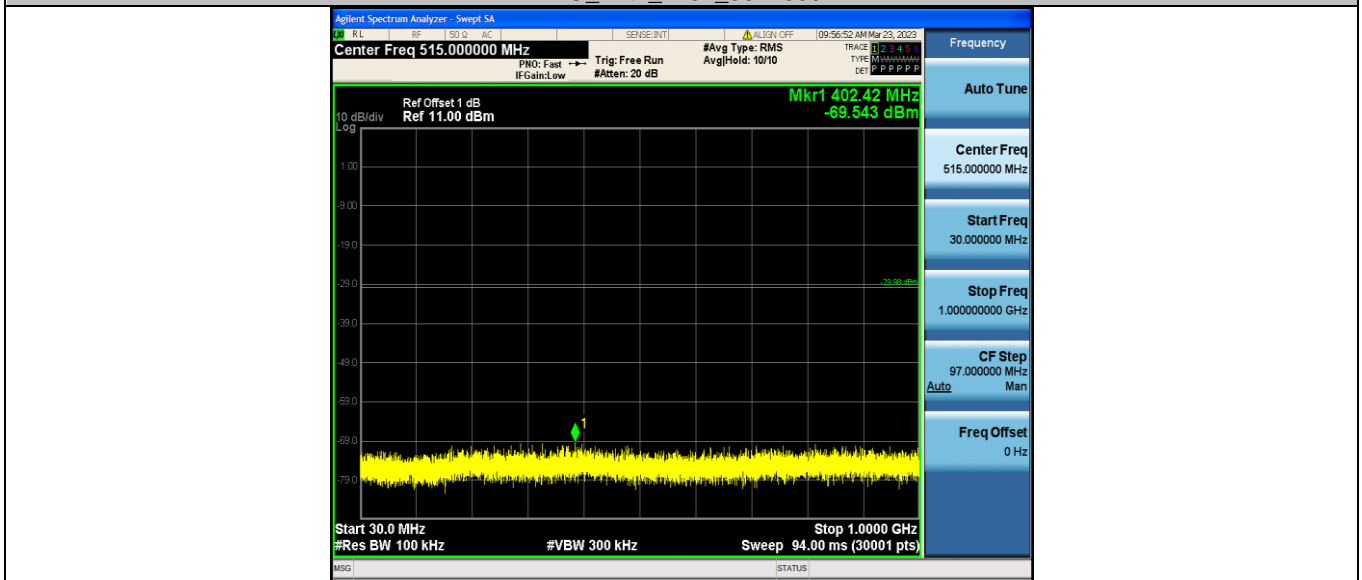
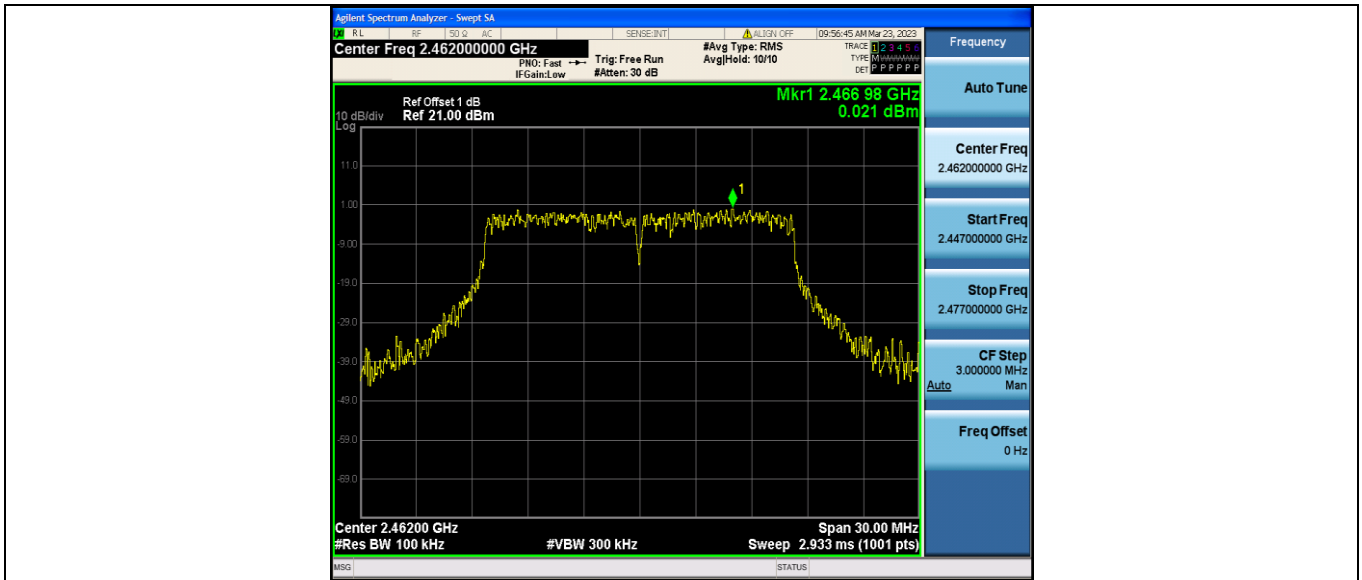


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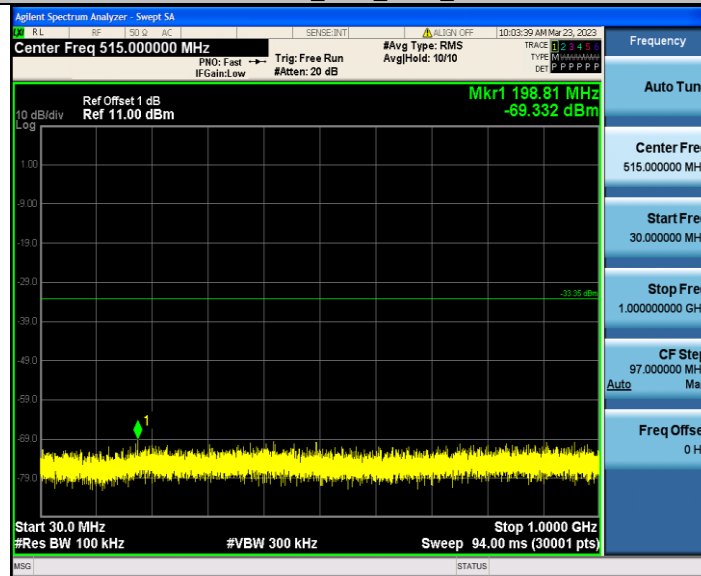


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11N20MIMO_Ant1_2412_30-1000



11N20MIMO_Ant1_2412_1000-26500



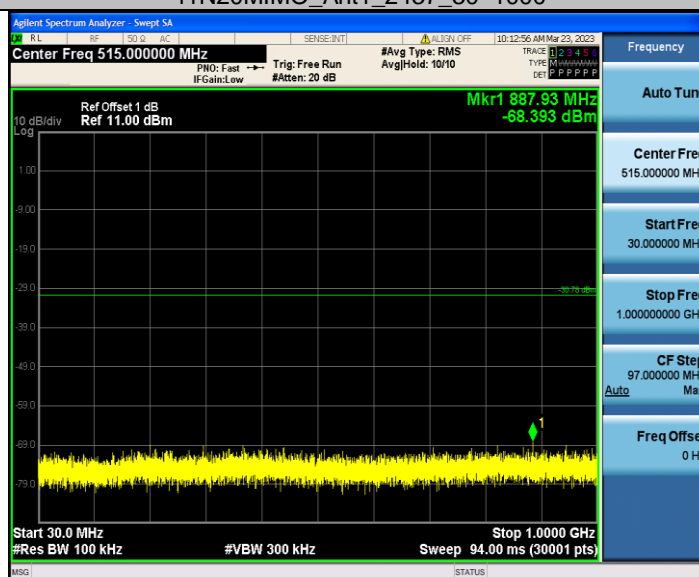
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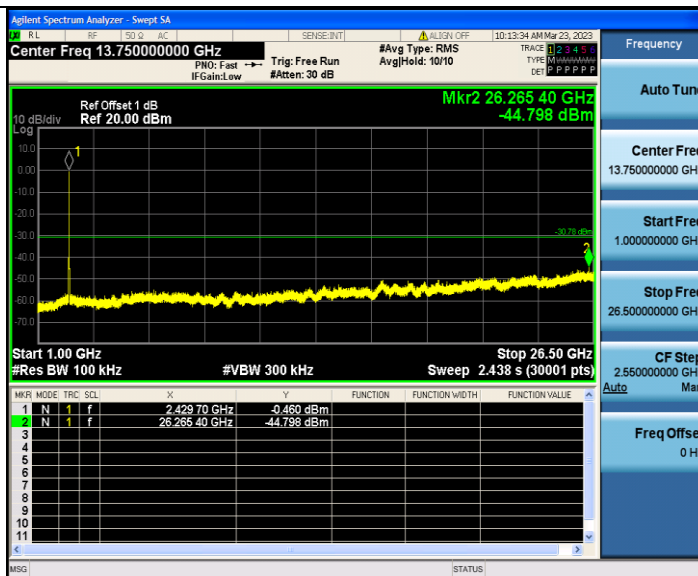
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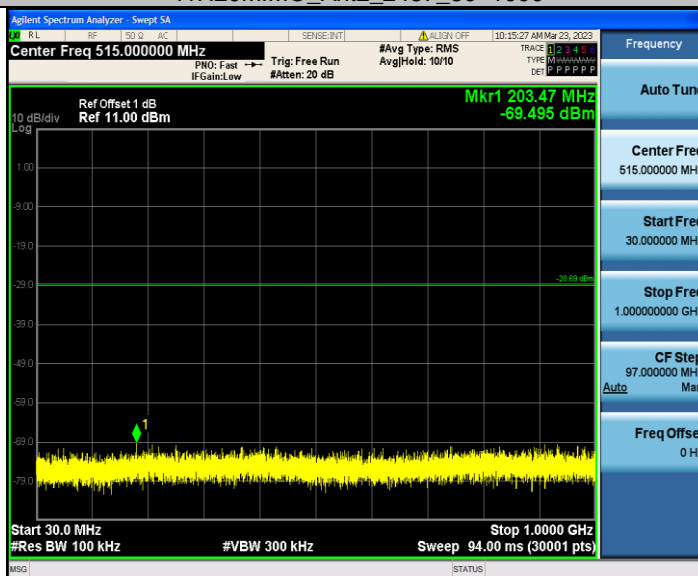




11N20MIMO_Ant2_2437_0-Reference



11N20MIMO_Ant2_2437_30-1000



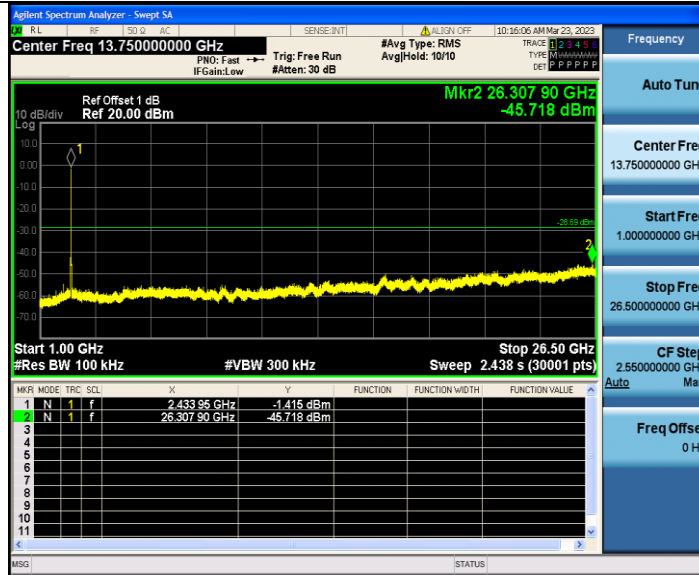
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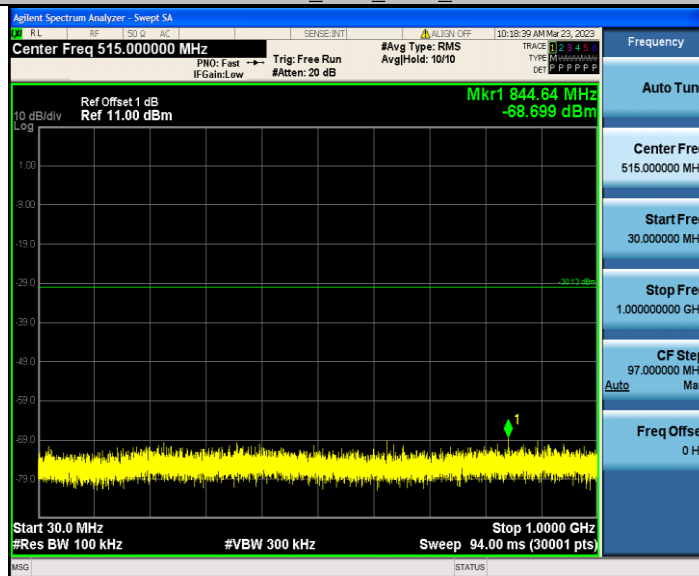




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11N20MIMO_Ant1_2462_30-1000



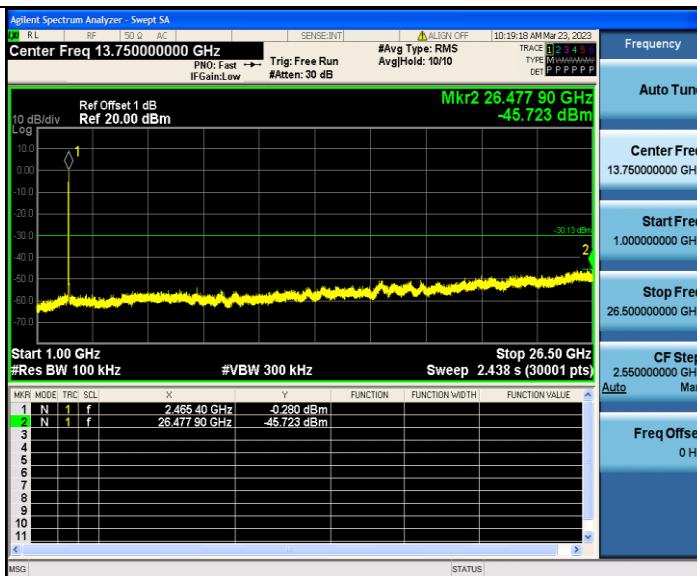
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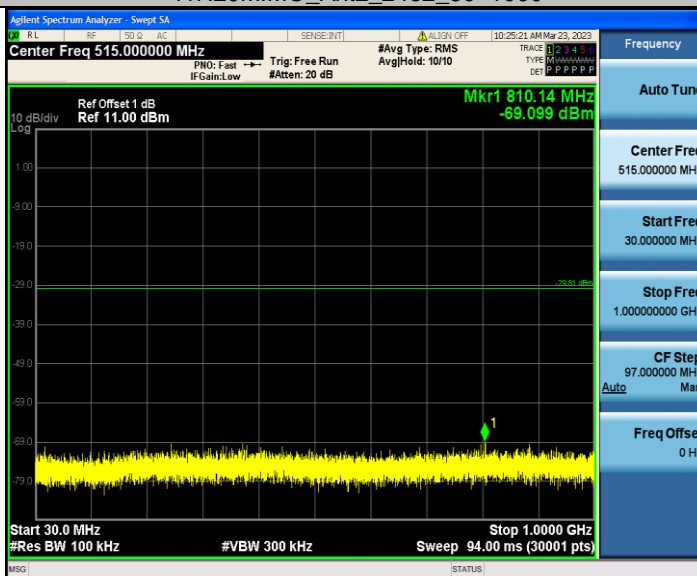




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11N20MIMO_Ant2_2462_30-1000



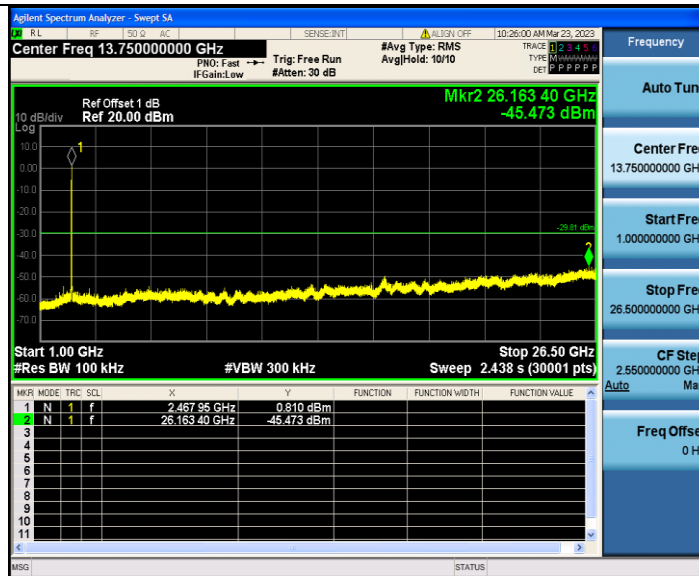
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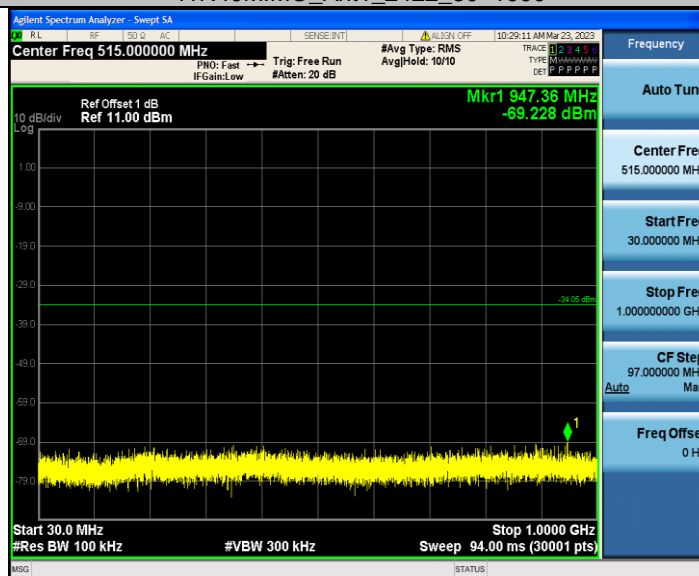




11N40MIMO_Ant1_2422_0-Reference



11N40MIMO_Ant1_2422_30-1000



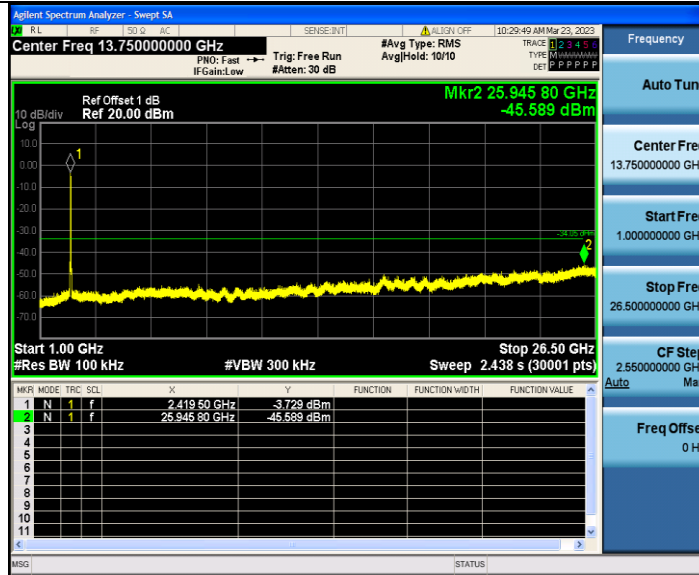
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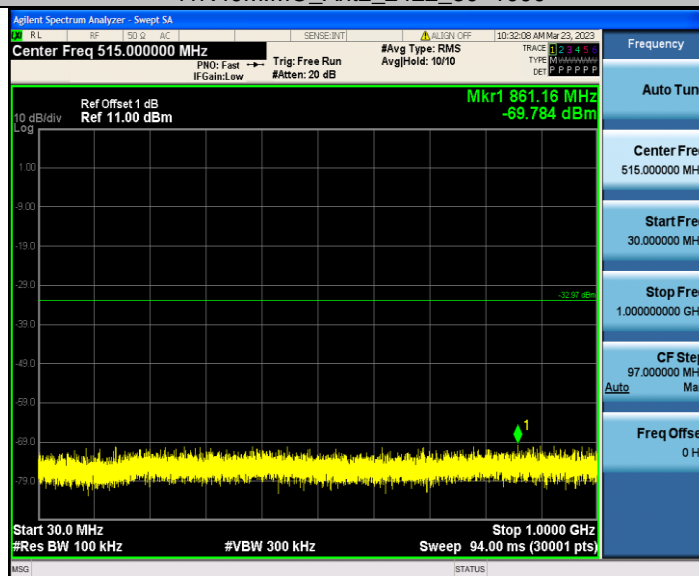




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11N40MIMO_Ant2_2422_30-1000



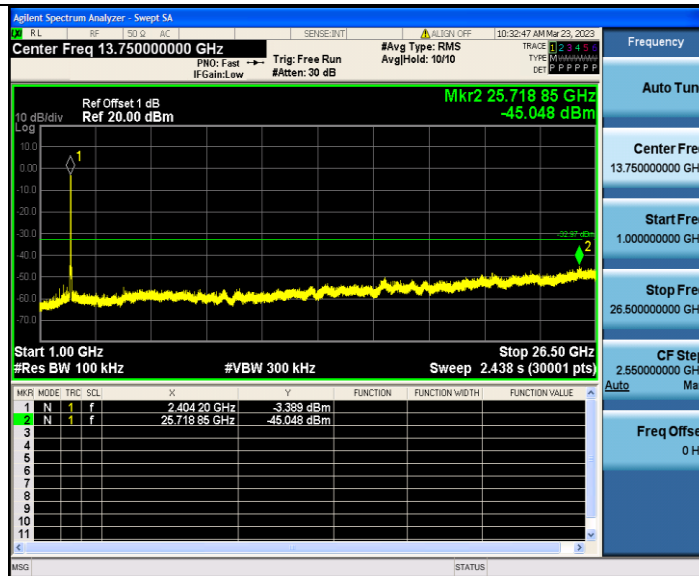
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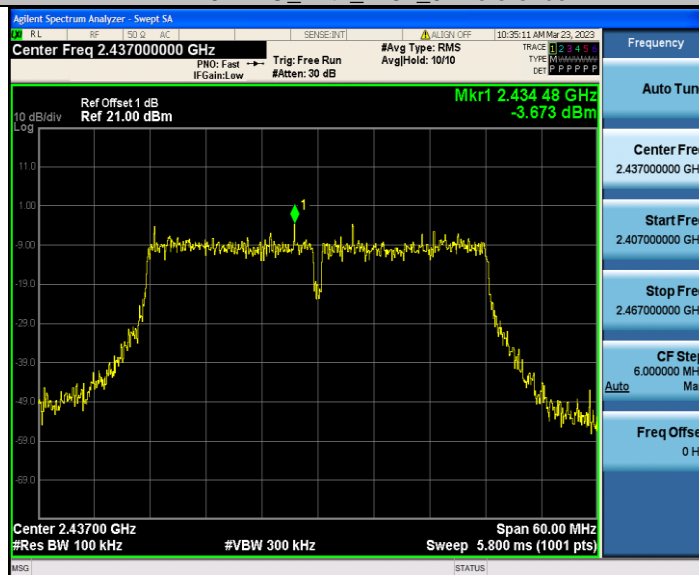
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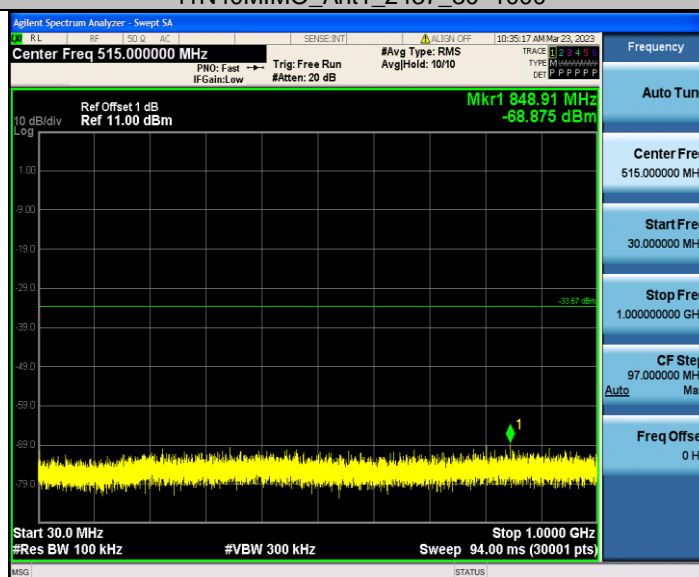




11N40MIMO_Ant1_2437_0-Reference



11N40MIMO_Ant1_2437_30-1000



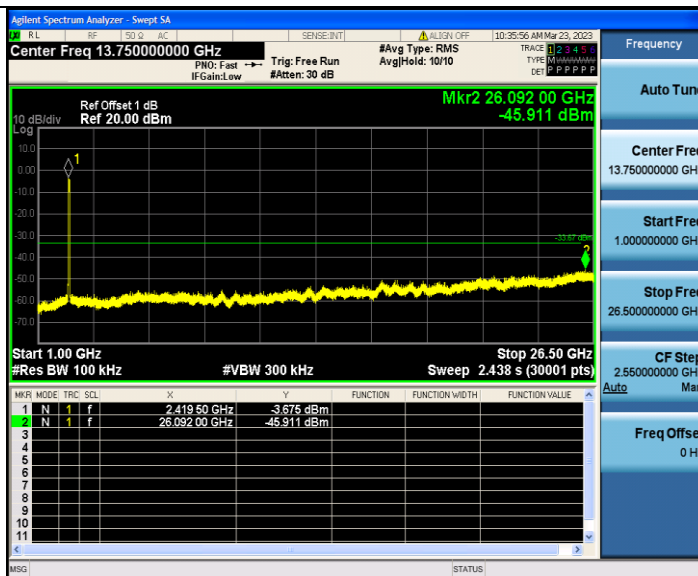
11N40MIMO_Ant1_2437_1000-26500

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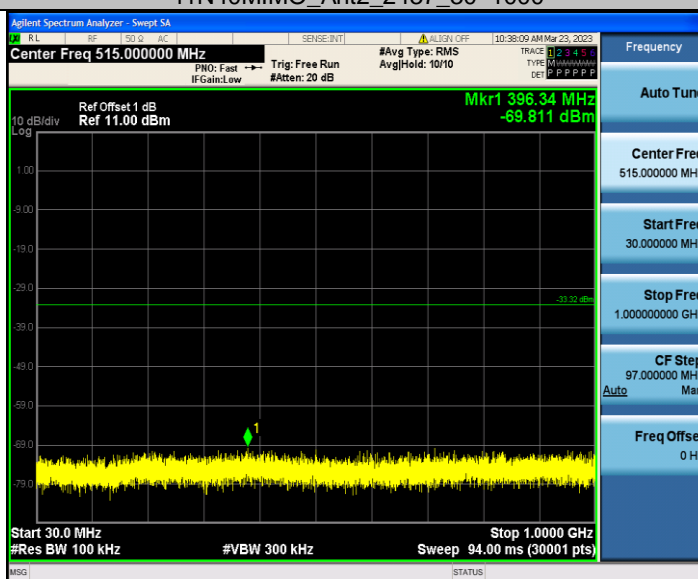




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11N40MIMO_Ant2_2437_30-1000



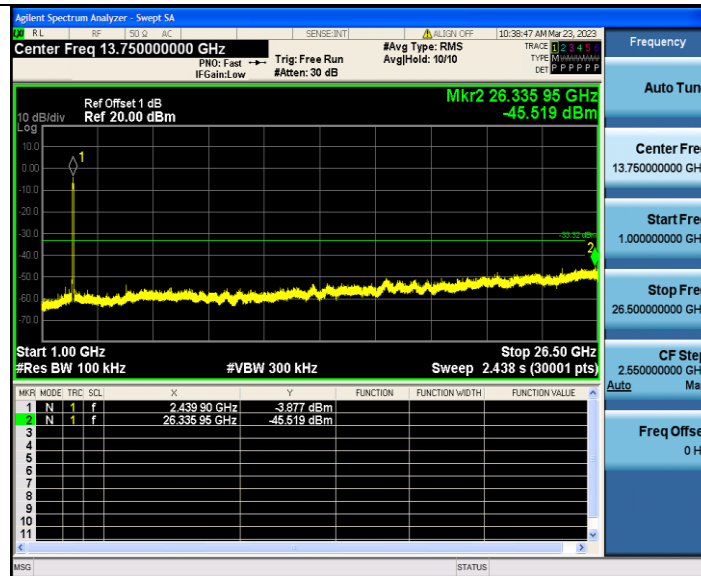
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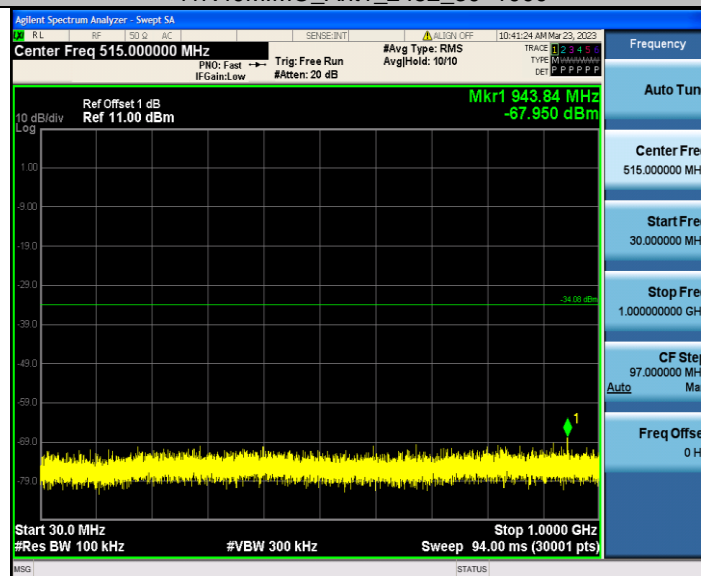




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11N40MIMO_Ant1_2452_30-1000



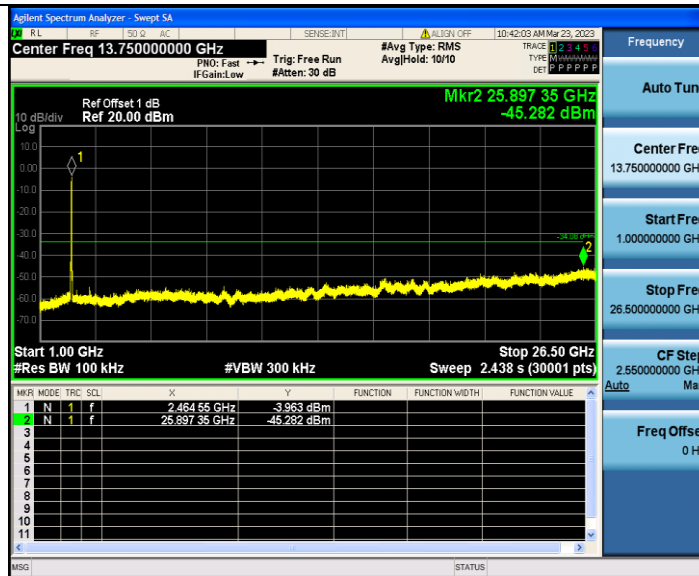
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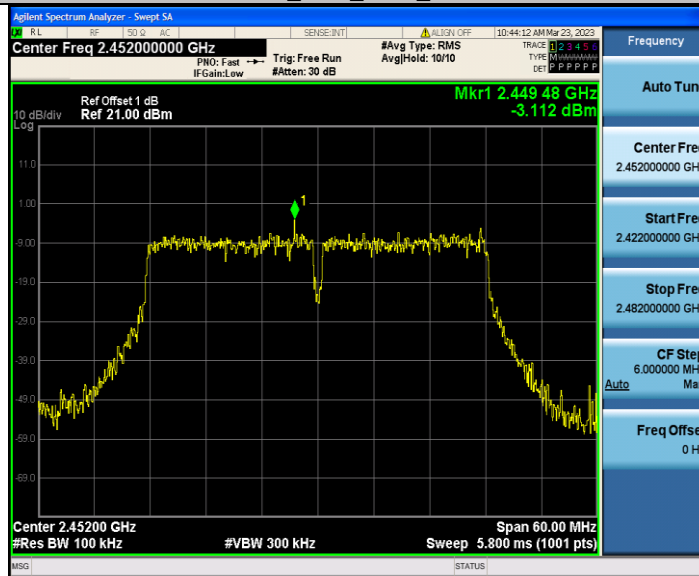
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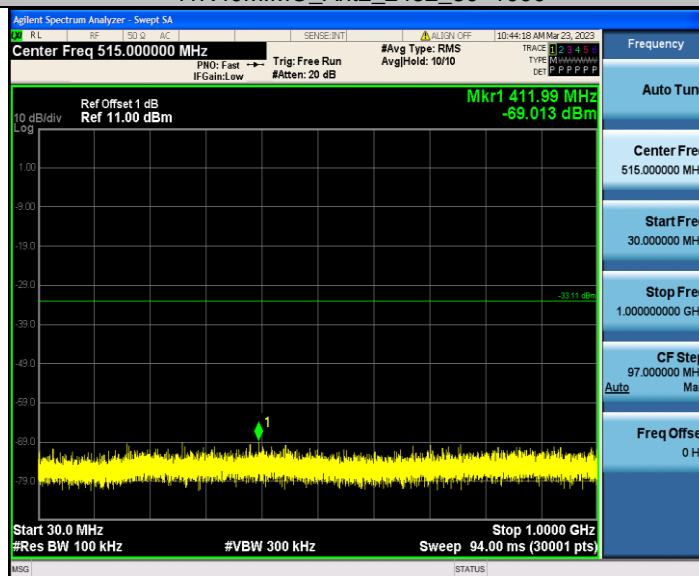




11N40MIMO_Ant2_2452_0-Reference



11N40MIMO_Ant2_2452_30-1000



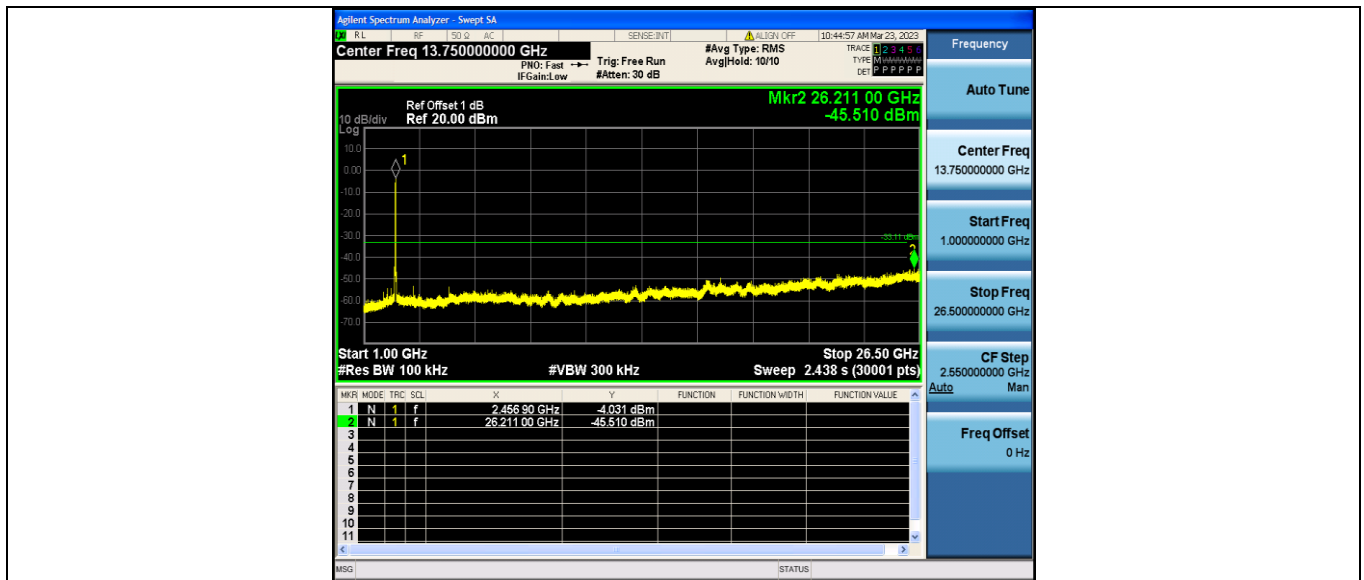
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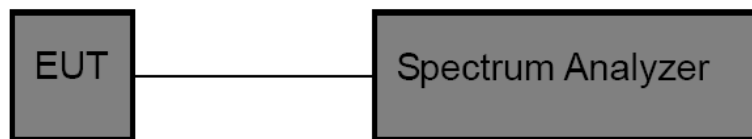
3.5. Bandwidth

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (a)(2)/ RSS-247 5.2 a:

Test Item	Limit	Frequency Range(MHz)
Bandwidth	≥ 500 KHz (6dB bandwidth)	2400~2483.5

Test Configuration



Test Procedure

5. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
6. DTS Spectrum Setting:
 - (1) Set RBW = 100 kHz.
 - (2) Set the video bandwidth (VBW) ≥ 3 RBW.
 - (3) Detector = Peak.
 - (4) Trace mode = Max hold.
 - (5) Sweep = Auto couple.OCB Spectrum Setting:
 - (1) Set RBW = 1% ~ 5% occupied bandwidth.
 - (2) Set the video bandwidth (VBW) ≥ 3 RBW.
 - (3) Detector = Peak.
 - (4) Trace mode = Max hold.
 - (5) Sweep = Auto couple.

NOTE: The EUT was set to continuously transmitting in each mode and low, Middle and high channel for the test.

Test Mode

Please refer to the clause 2.4.

**Test Results****DTS Bandwidth Test Result**

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.080	2407.440	2416.520	0.5	PASS
	Ant2	2412	9.080	2407.440	2416.520	0.5	PASS
	Ant1	2437	9.000	2432.520	2441.520	0.5	PASS
	Ant2	2437	9.080	2432.440	2441.520	0.5	PASS
	Ant1	2462	8.520	2457.520	2466.040	0.5	PASS
	Ant2	2462	10.000	2457.000	2467.000	0.5	PASS
11G	Ant1	2412	16.360	2403.800	2420.160	0.5	PASS
	Ant2	2412	16.320	2403.840	2420.160	0.5	PASS
	Ant1	2437	16.280	2428.840	2445.120	0.5	PASS
	Ant2	2437	16.280	2428.840	2445.120	0.5	PASS
	Ant1	2462	16.320	2453.840	2470.160	0.5	PASS
	Ant2	2462	16.040	2454.080	2470.120	0.5	PASS
11N20MIMO	Ant1	2412	17.160	2403.360	2420.520	0.5	PASS
	Ant2	2412	16.720	2403.600	2420.320	0.5	PASS
	Ant1	2437	16.800	2428.600	2445.400	0.5	PASS
	Ant2	2437	16.760	2428.600	2445.360	0.5	PASS
	Ant1	2462	17.520	2453.240	2470.760	0.5	PASS
	Ant2	2462	16.920	2453.600	2470.520	0.5	PASS
11N40MIMO	Ant1	2422	36.320	2403.840	2440.160	0.5	PASS
	Ant2	2422	35.760	2404.080	2439.840	0.5	PASS
	Ant1	2437	36.080	2418.840	2454.920	0.5	PASS
	Ant2	2437	36.080	2419.080	2455.160	0.5	PASS
	Ant1	2452	36.080	2433.840	2469.920	0.5	PASS
	Ant2	2452	36.080	2433.840	2469.920	0.5	PASS

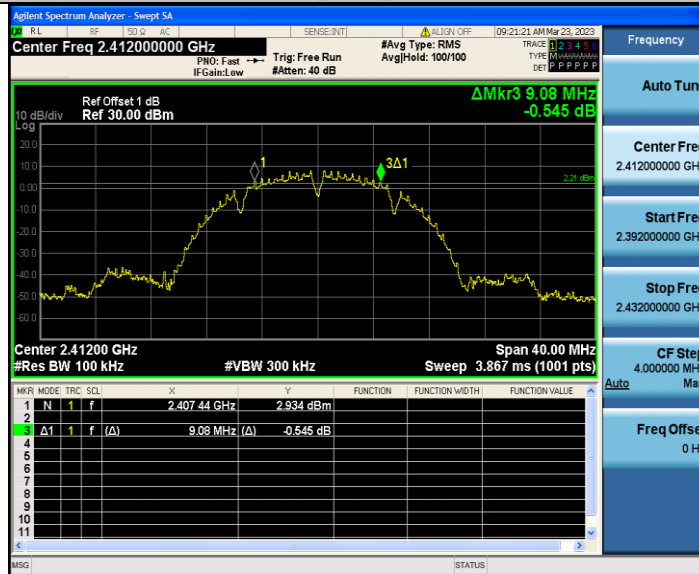
**Occupied Channel Bandwidth Test Result**

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.684	2405.139	2418.823	---	PASS
	Ant2	2412	13.417	2405.272	2418.689	---	PASS
	Ant1	2437	13.687	2430.131	2443.818	---	PASS
	Ant2	2437	13.430	2430.272	2443.702	---	PASS
	Ant1	2462	13.670	2455.169	2468.839	---	PASS
	Ant2	2462	13.512	2455.256	2468.768	---	PASS
11G	Ant1	2412	16.987	2403.508	2420.495	---	PASS
	Ant2	2412	16.896	2403.557	2420.453	---	PASS
	Ant1	2437	16.995	2428.498	2445.493	---	PASS
	Ant2	2437	16.935	2428.528	2445.463	---	PASS
	Ant1	2462	17.046	2453.523	2470.569	---	PASS
	Ant2	2462	16.942	2453.548	2470.490	---	PASS
11N20MIMO	Ant1	2412	18.025	2402.978	2421.003	---	PASS
	Ant2	2412	17.907	2403.033	2420.940	---	PASS
	Ant1	2437	17.961	2427.987	2445.948	---	PASS
	Ant2	2437	17.902	2428.031	2445.933	---	PASS
	Ant1	2462	17.949	2453.019	2470.968	---	PASS
	Ant2	2462	17.955	2453.009	2470.964	---	PASS
11N40MIMO	Ant1	2422	37.013	2403.455	2440.468	---	PASS
	Ant2	2422	36.900	2403.556	2440.456	---	PASS
	Ant1	2437	36.862	2418.550	2455.412	---	PASS
	Ant2	2437	36.728	2418.652	2455.380	---	PASS
	Ant1	2452	36.894	2433.522	2470.416	---	PASS
	Ant2	2452	36.860	2433.580	2470.440	---	PASS

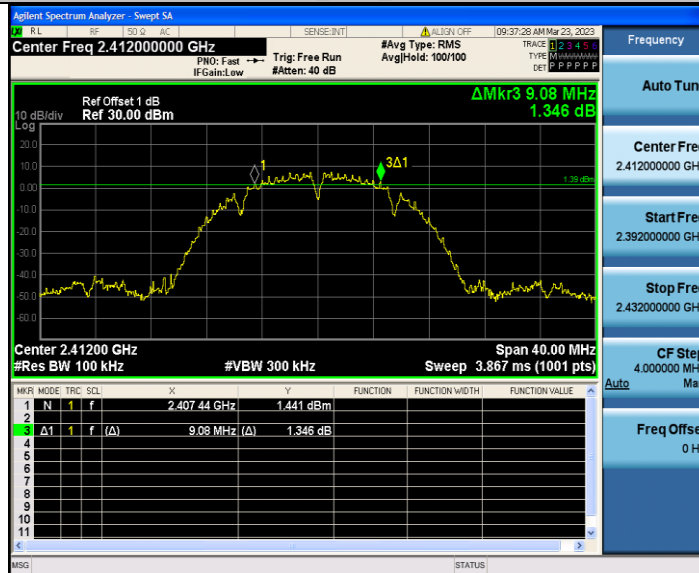


DTS Bandwidth Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



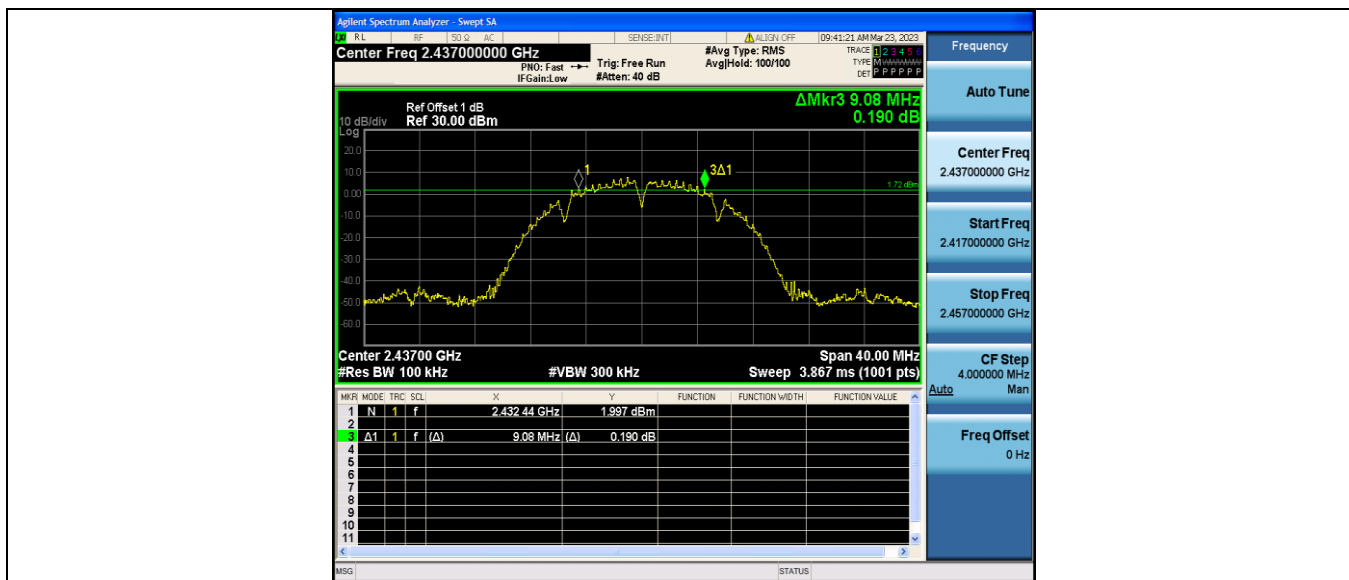
11B_Ant2_2437

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11B_Ant1_2462



11B_Ant2_2462



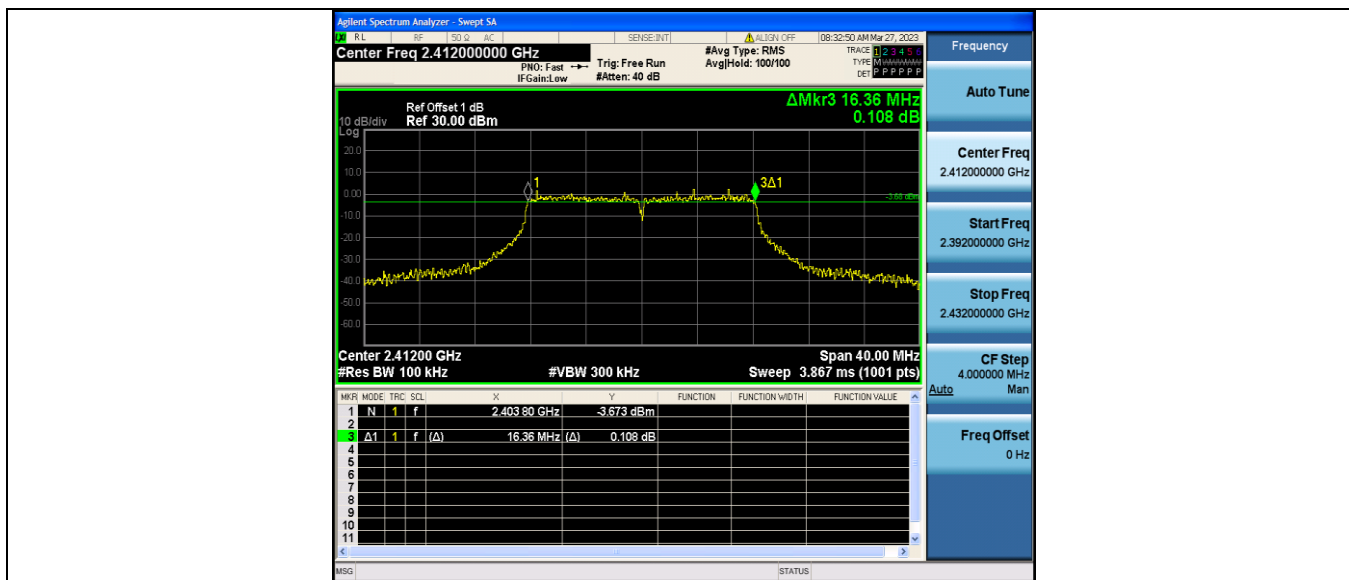
11G_Ant1_2412

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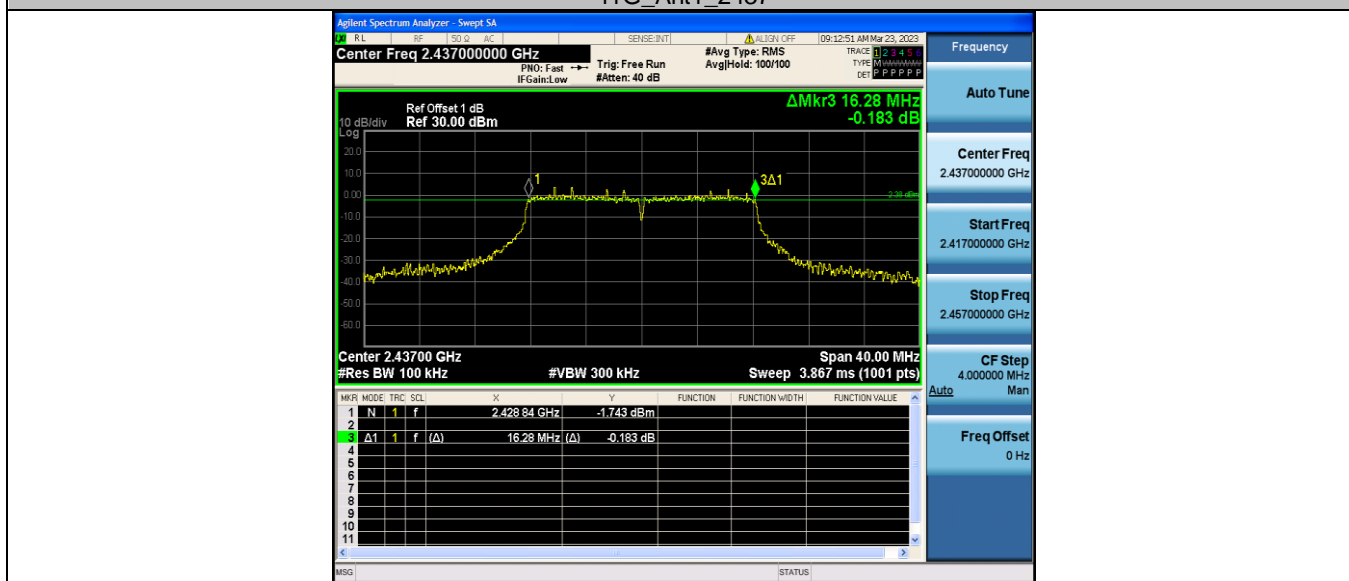




11G_Ant2_2412



11G_Ant1_2437



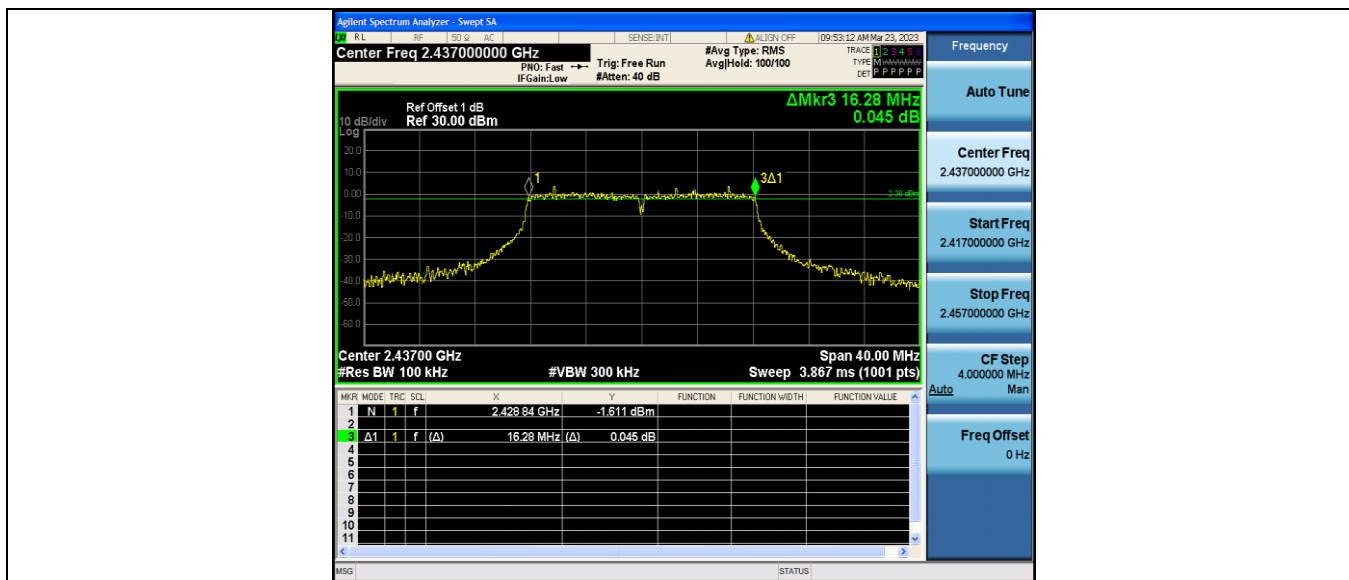
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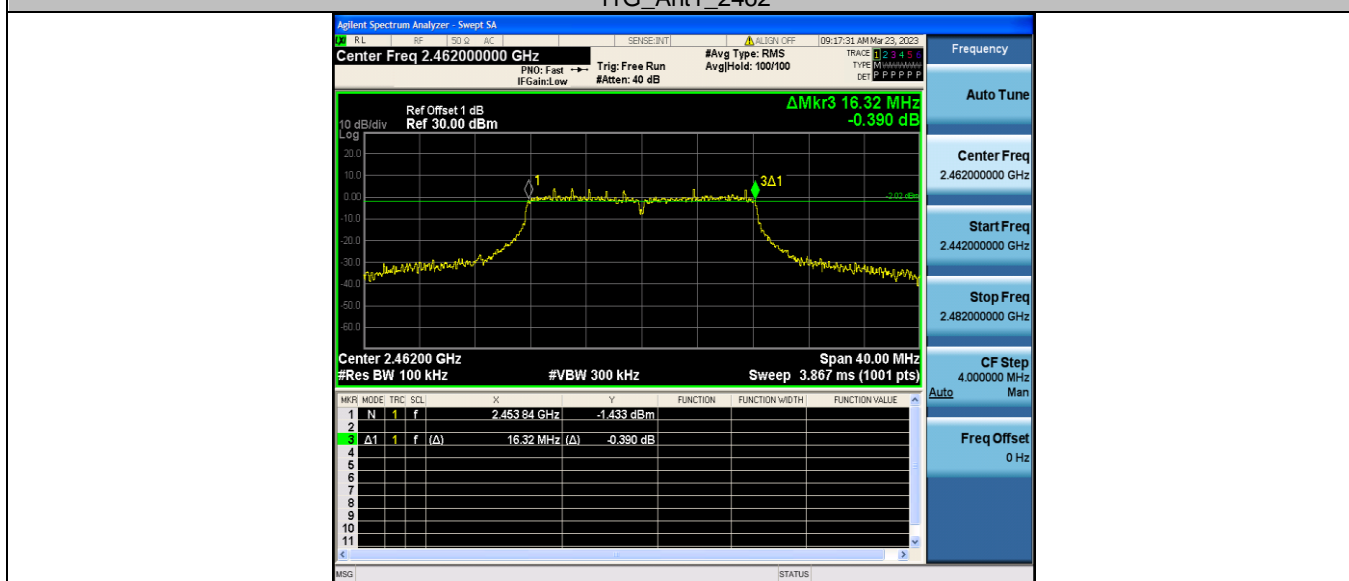
1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
Tel.: (86)755-27521059

Fax: (86)755-27521011 Http://www.sz-ctc.org.cn
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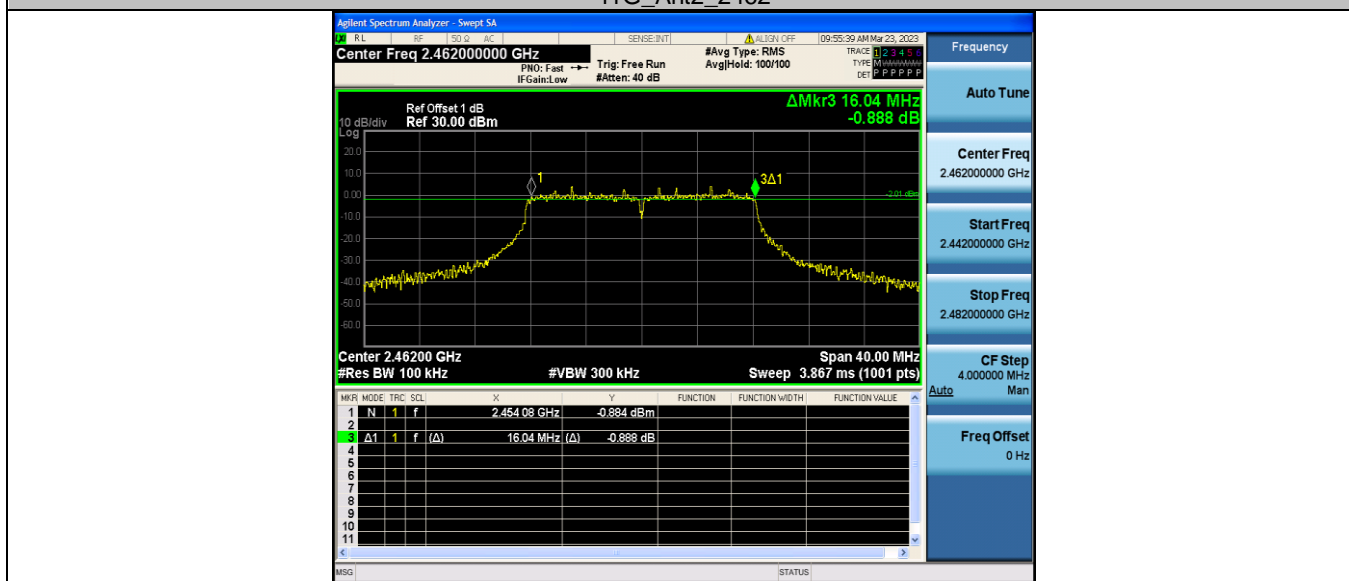




11G_Ant1_2462



11G_Ant2_2462



11N20MIMO_Ant1_2412

CTC Laboratories, Inc.

1-2/F., Building 2, Jiaquan Building, Guanlan High-Tech Park, Shenzhen, Guangdong, China
Tel.: (86)755-27521059

Fax: (86)755-27521011 Http://www.sz-ctc.org.cn
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