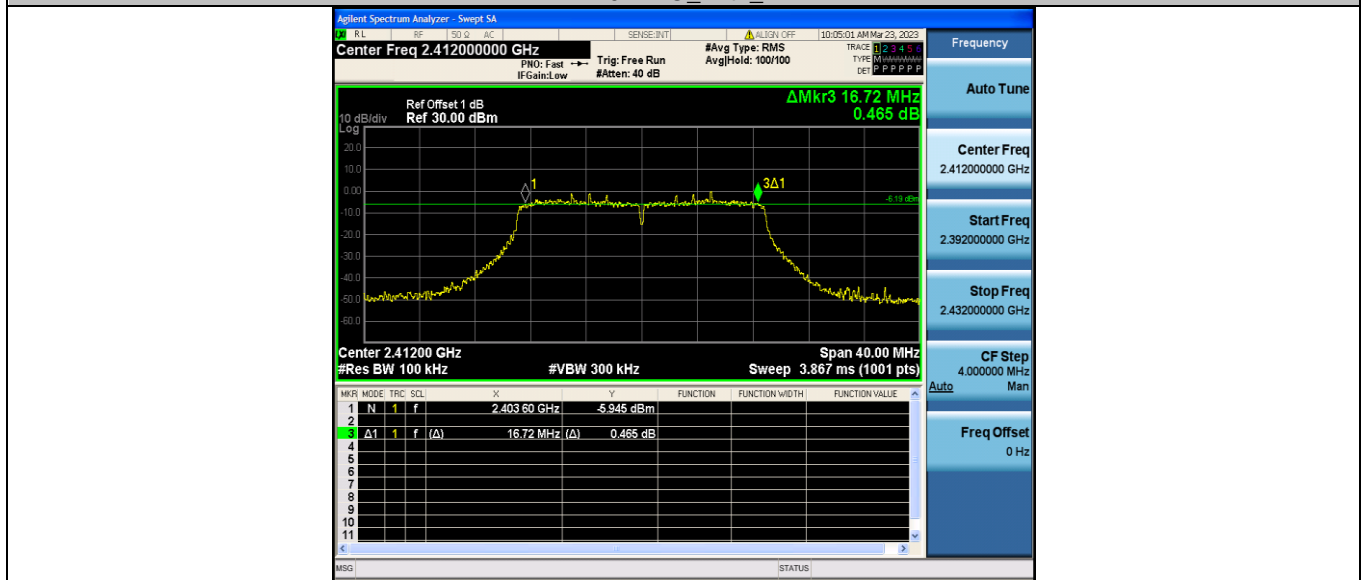
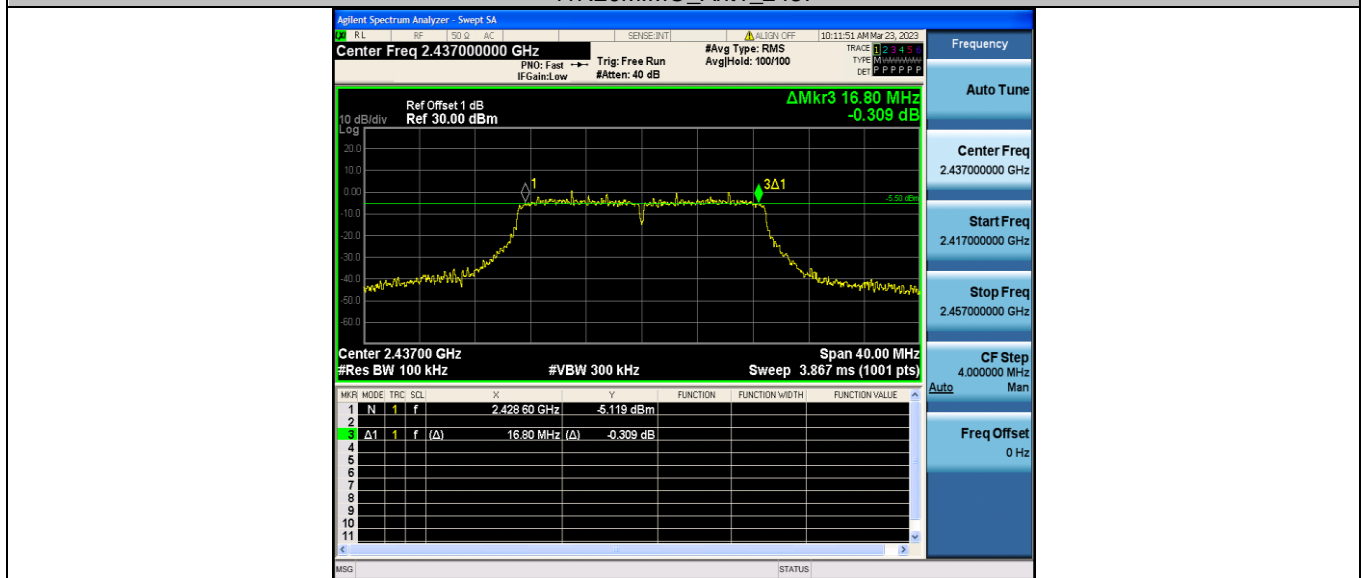


11N20MIMO_Ant2_2412



11N20MIMO_Ant1_2437



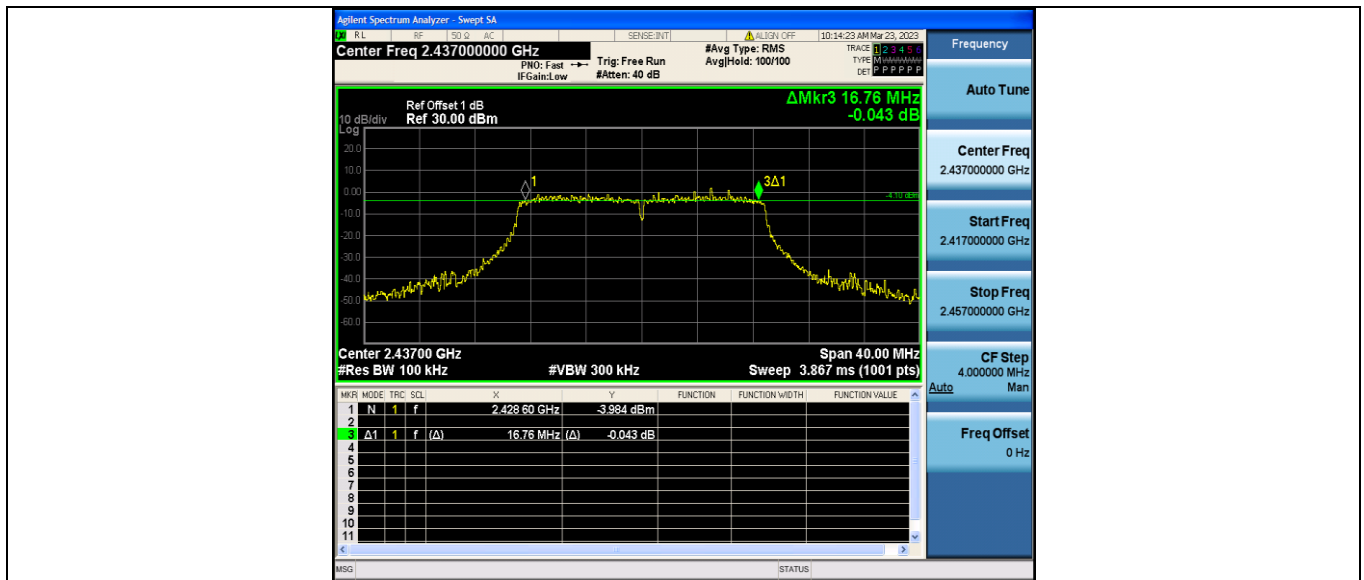
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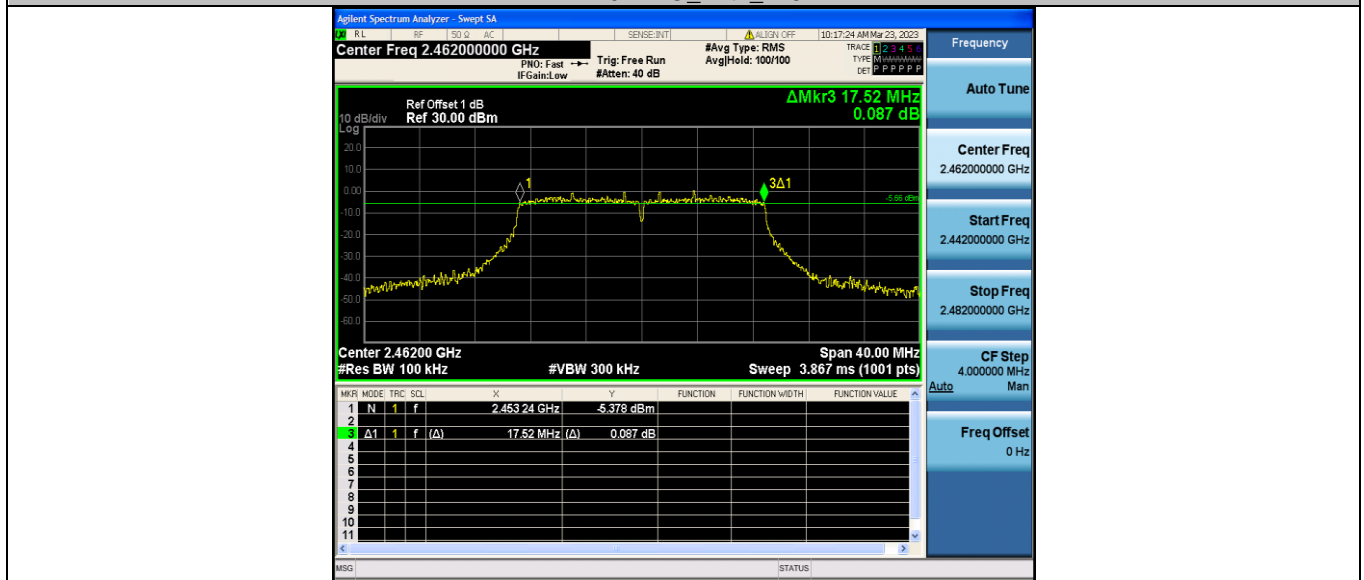
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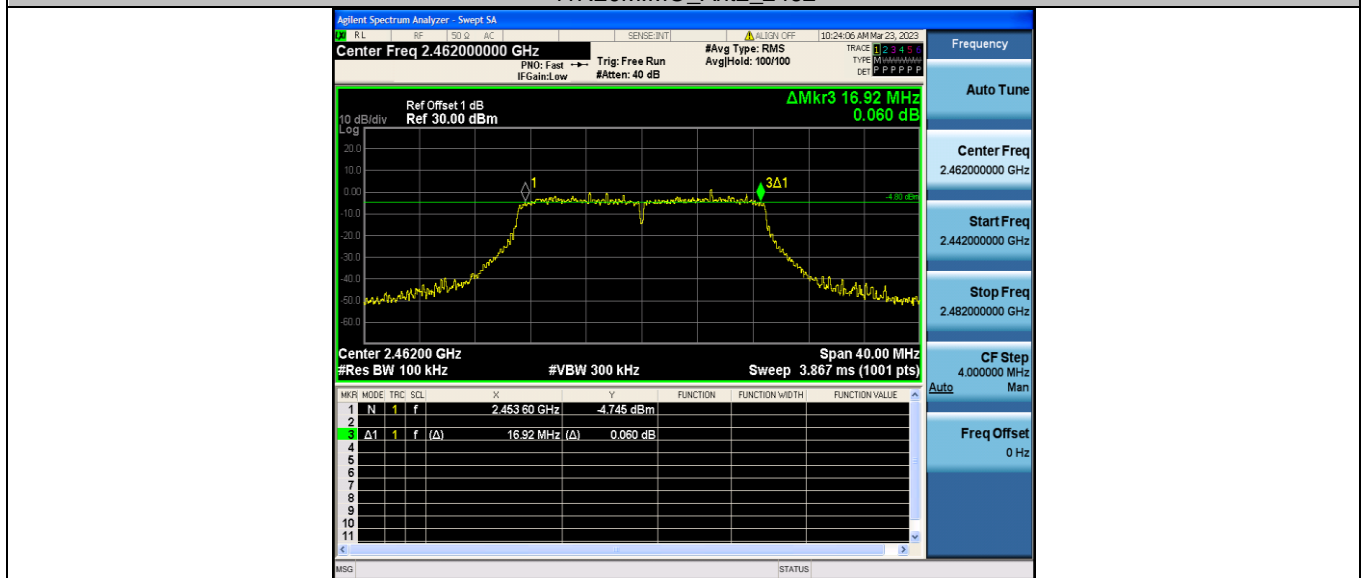




11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462



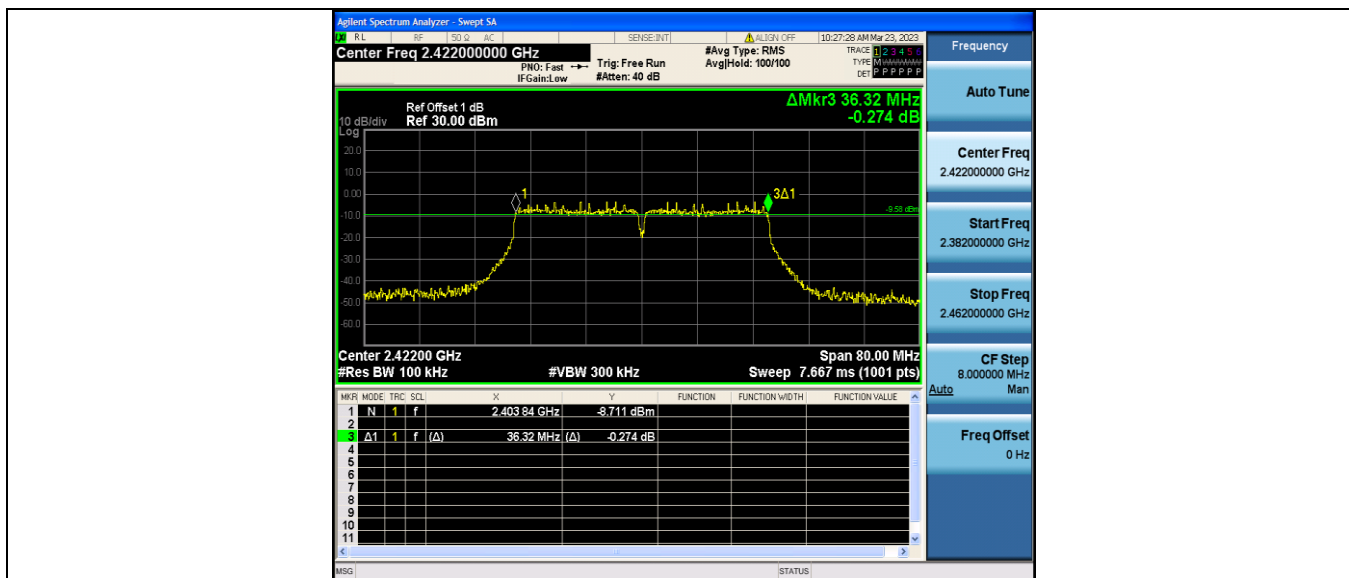
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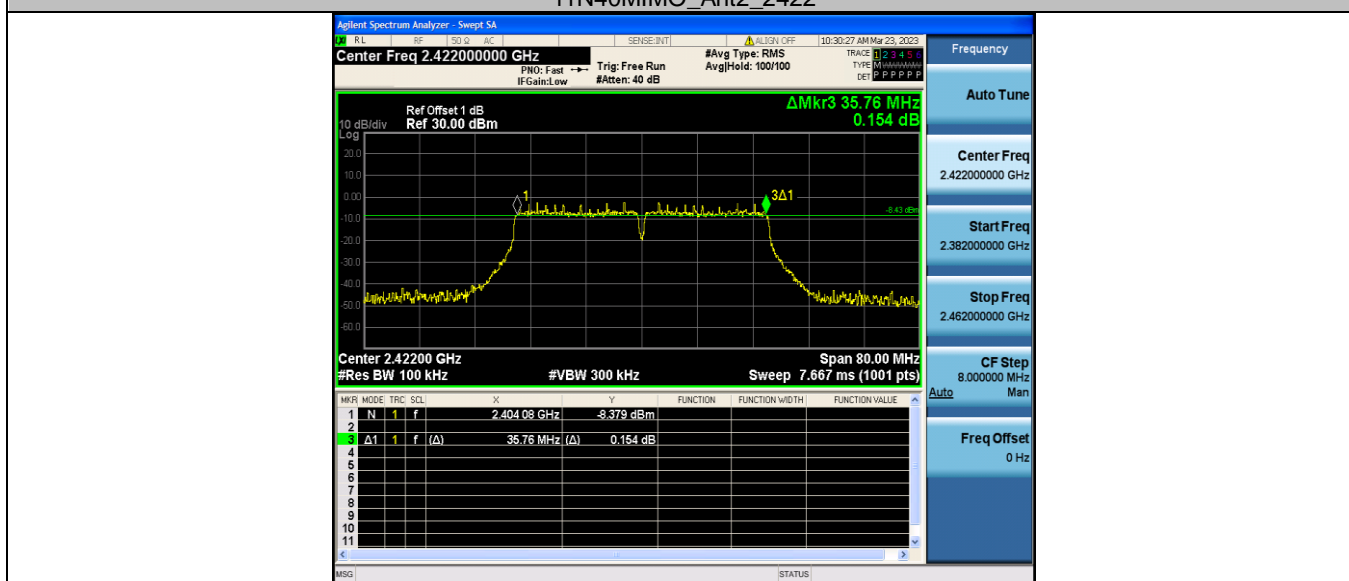
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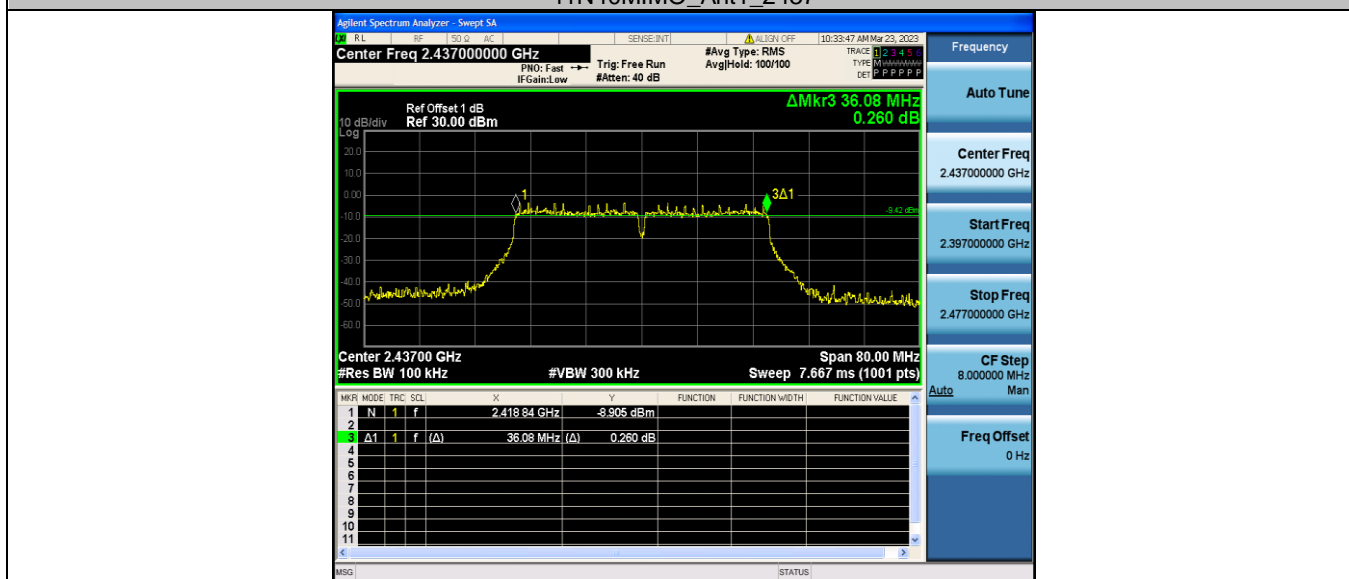




11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437

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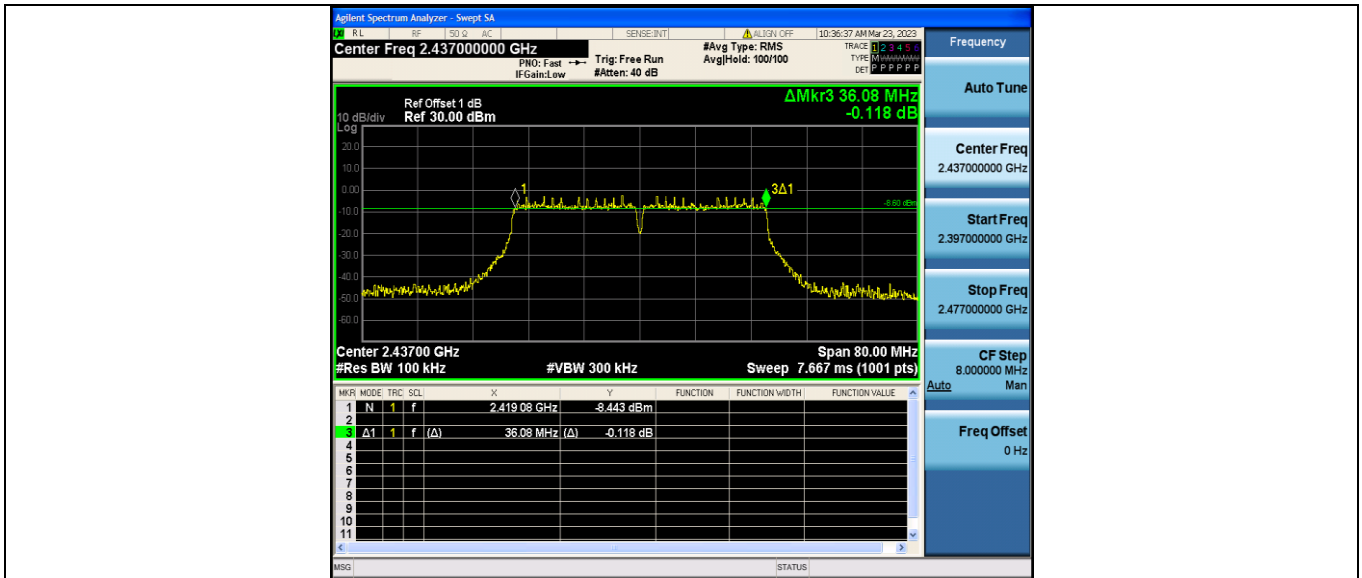
Tel.: (86)755-27521059

Fax: (86)755-27521011

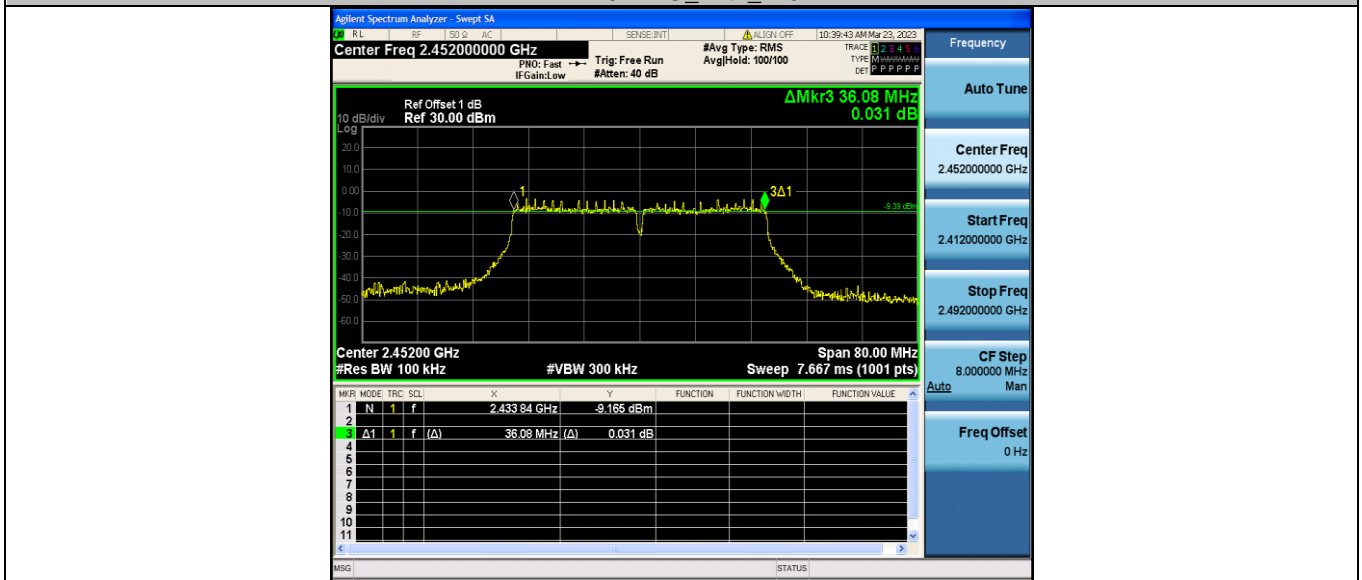
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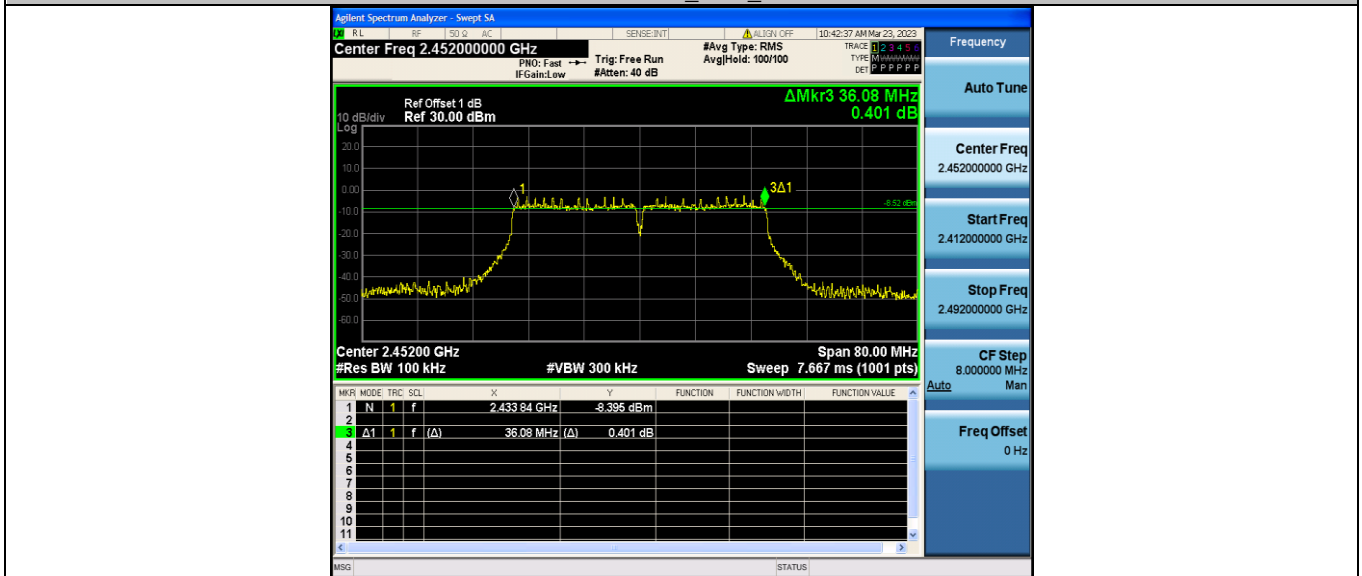
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11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



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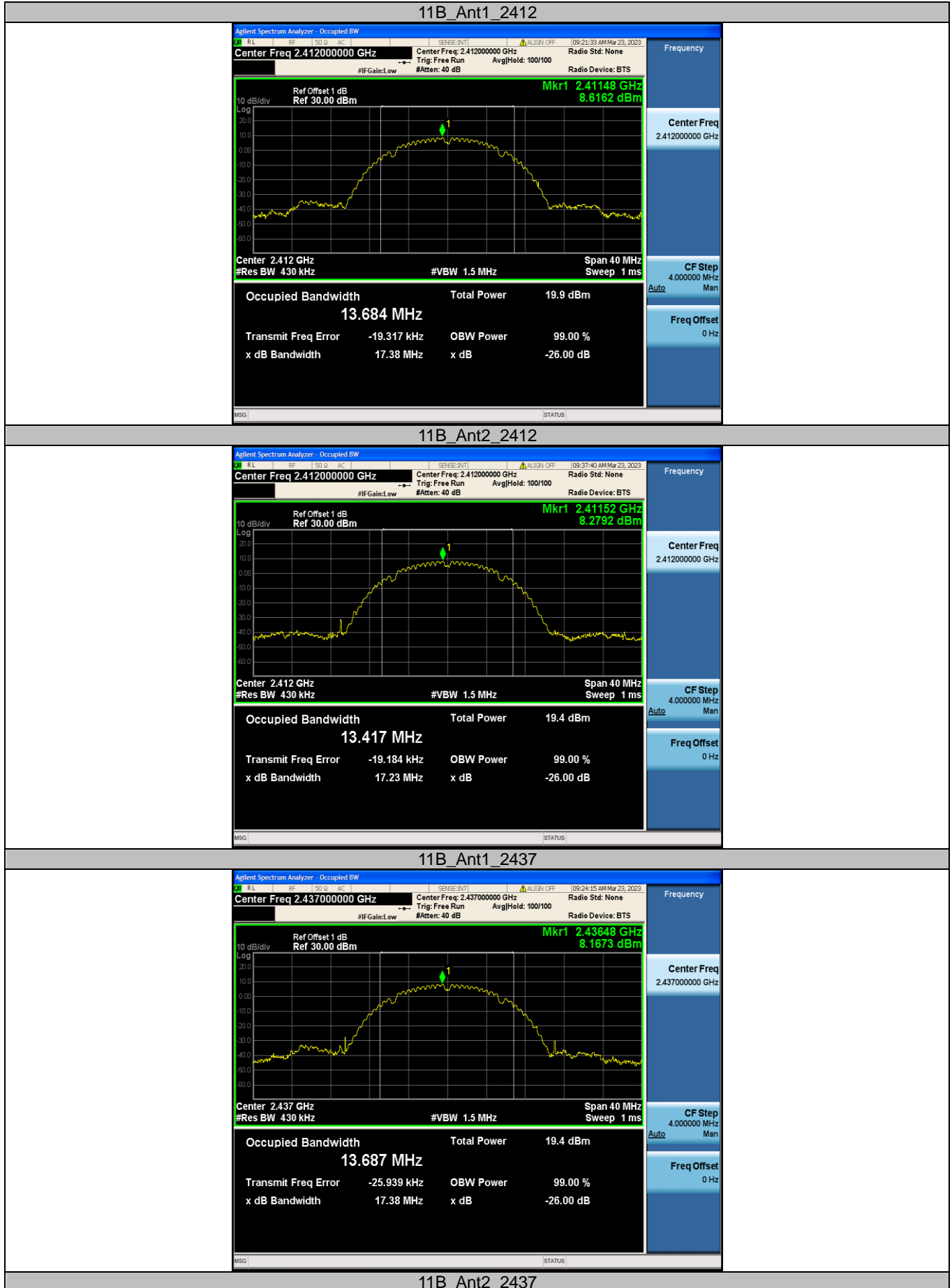
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Occupied Channel Bandwidth Test Result

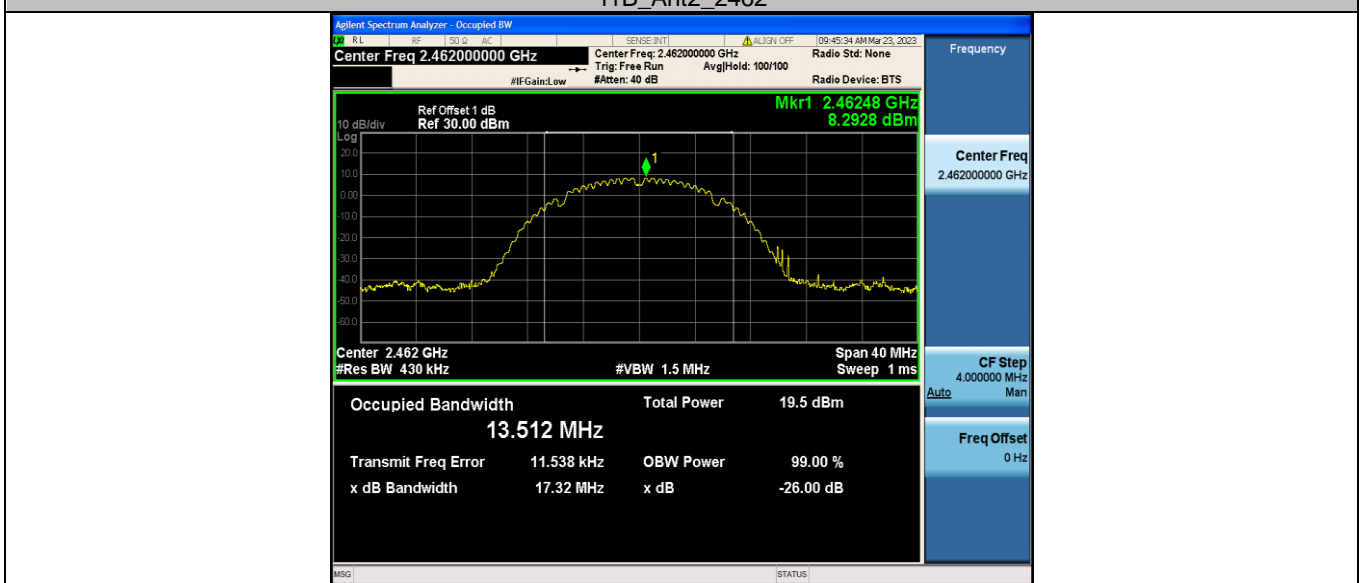
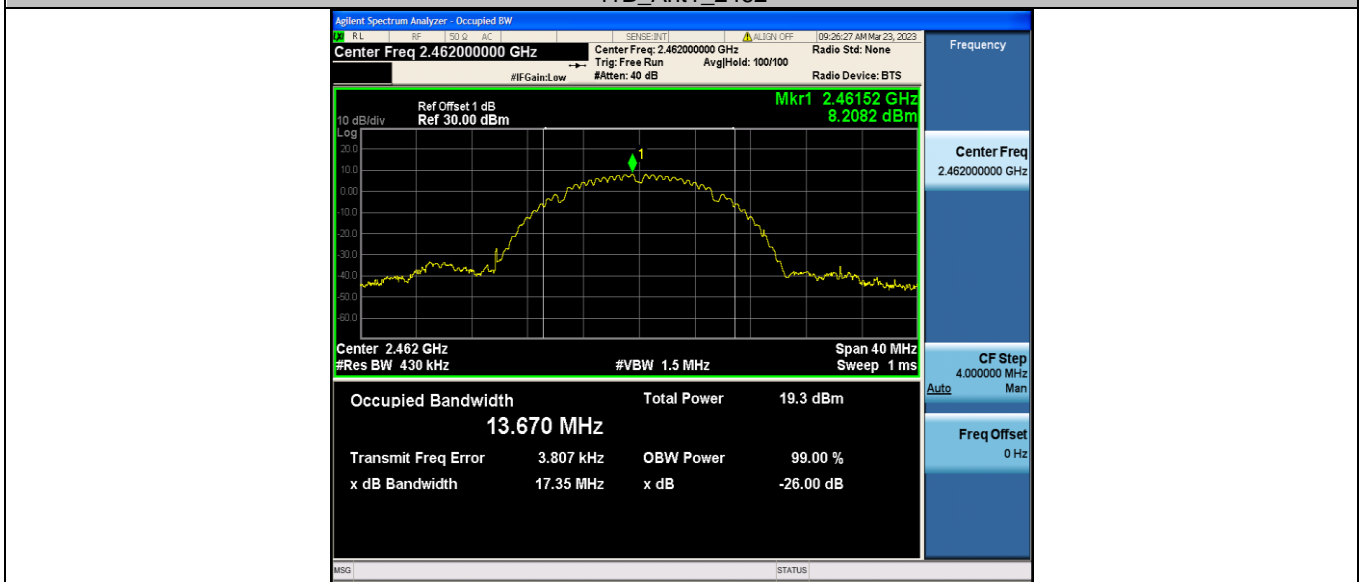
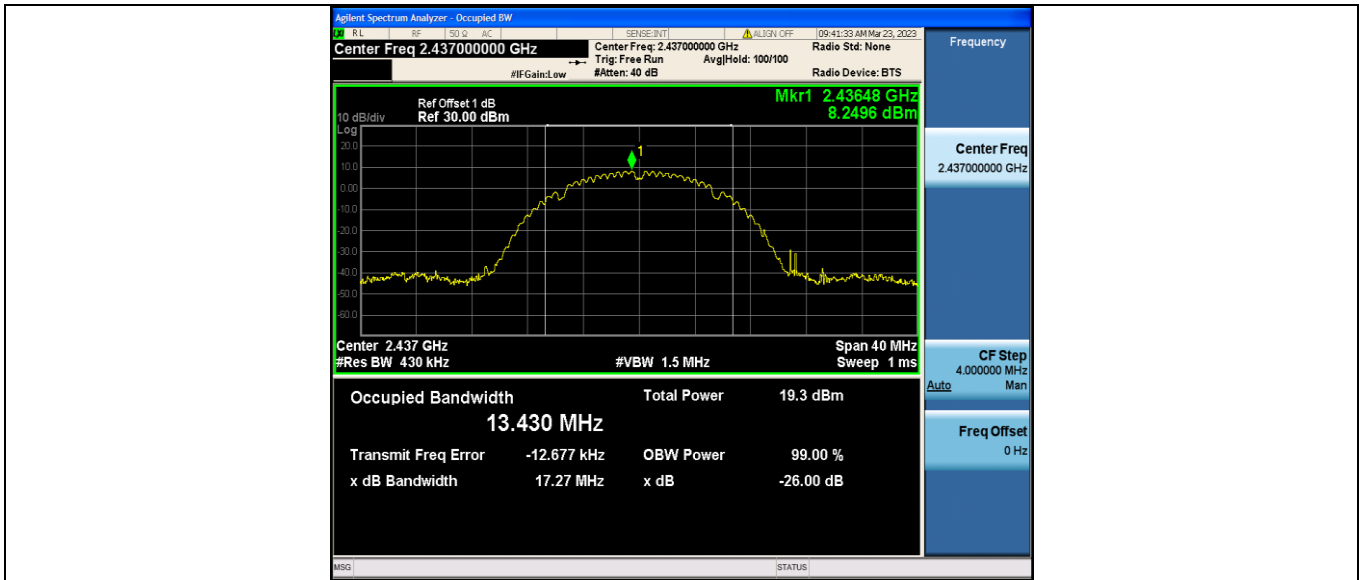


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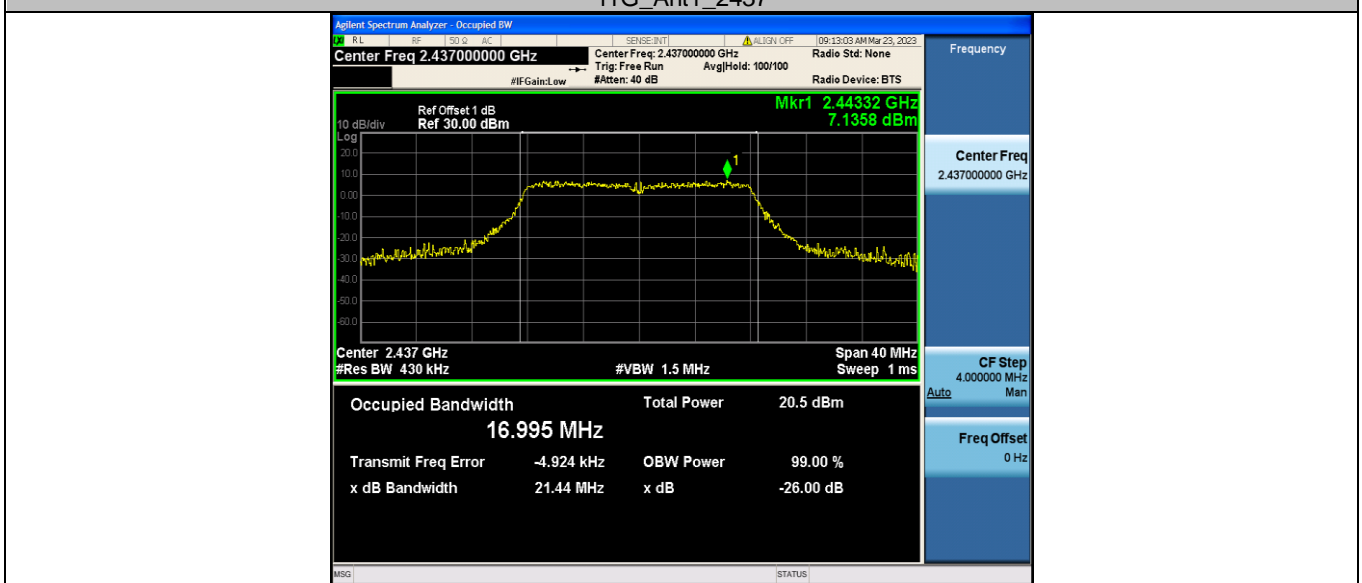
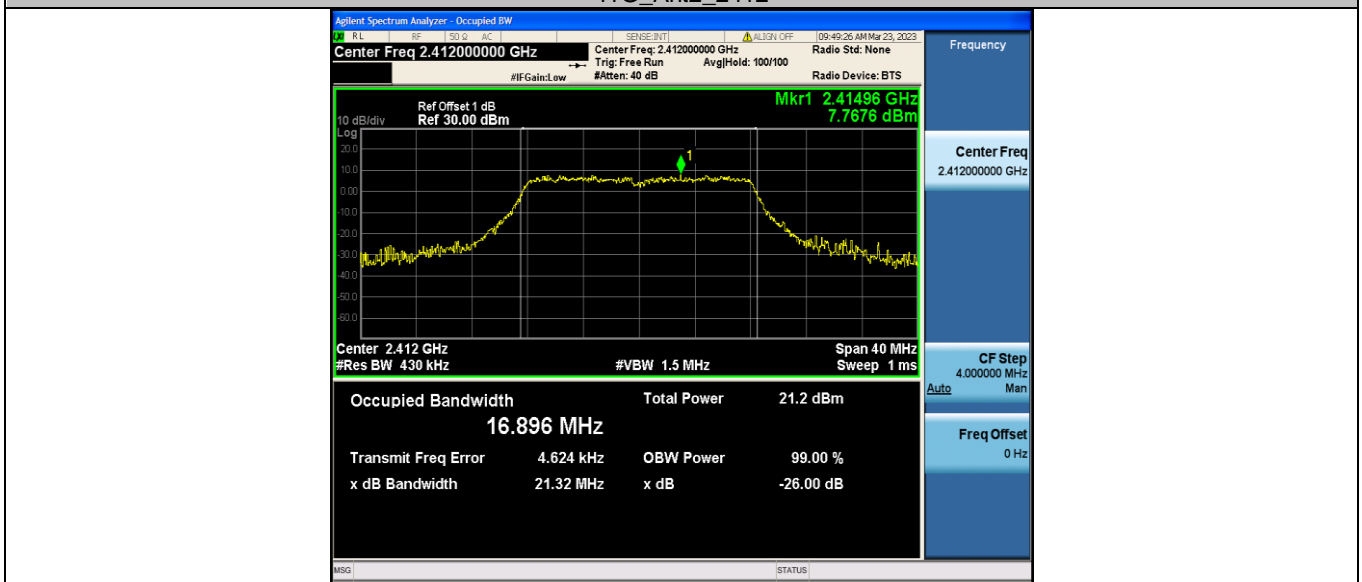
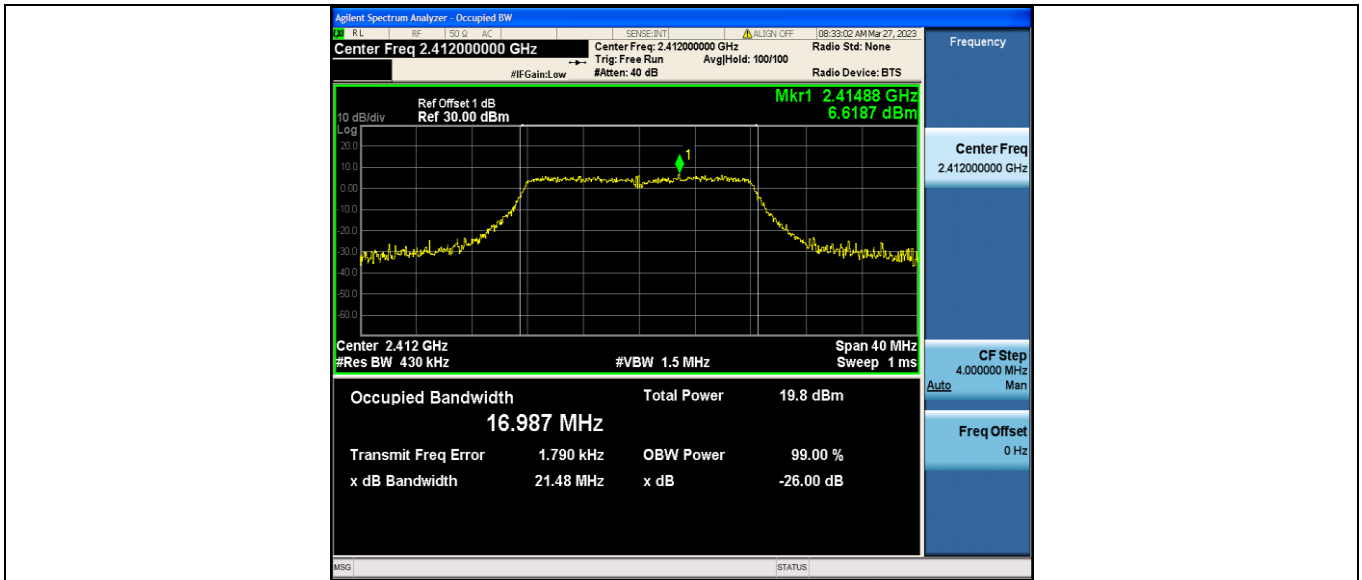


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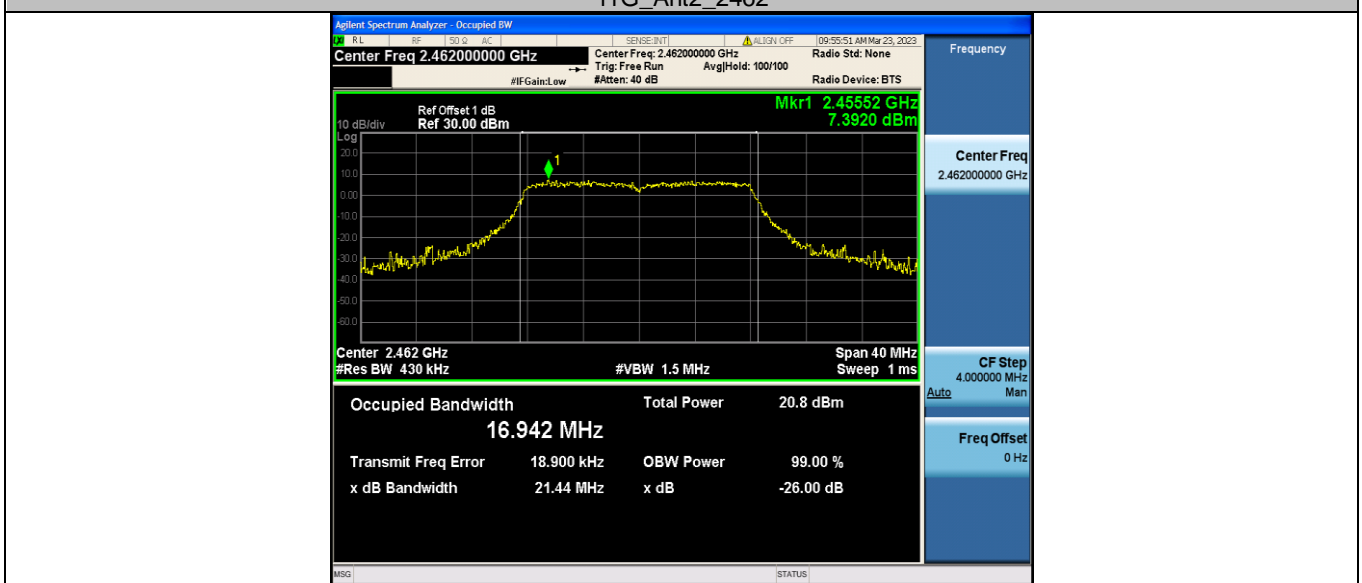
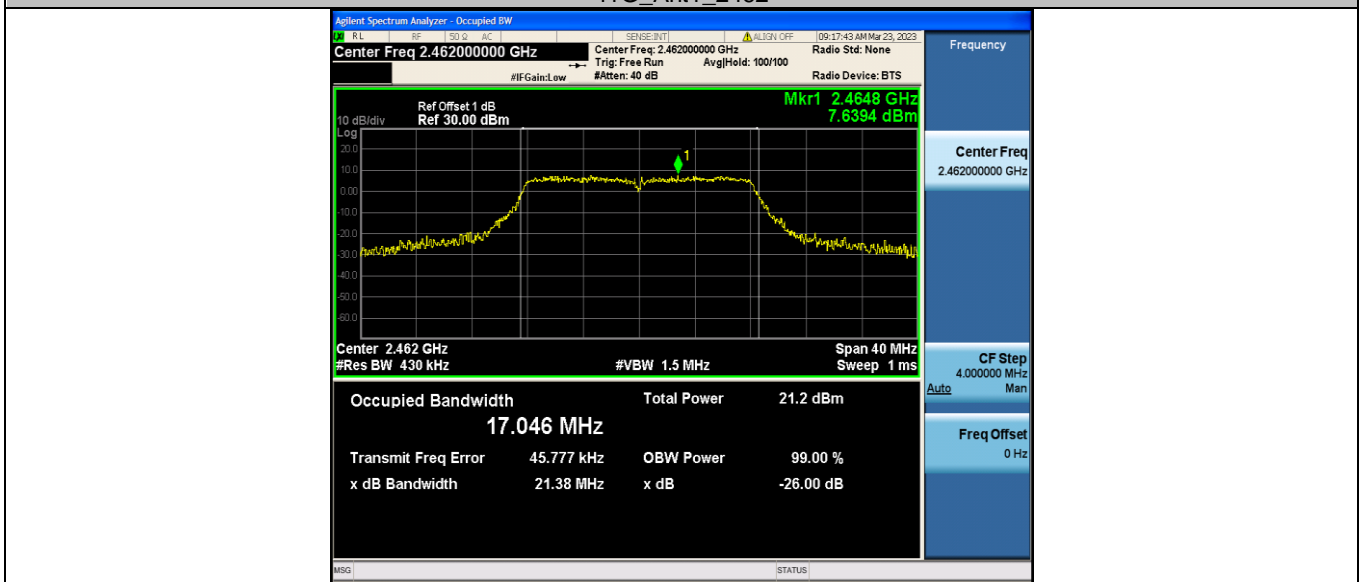
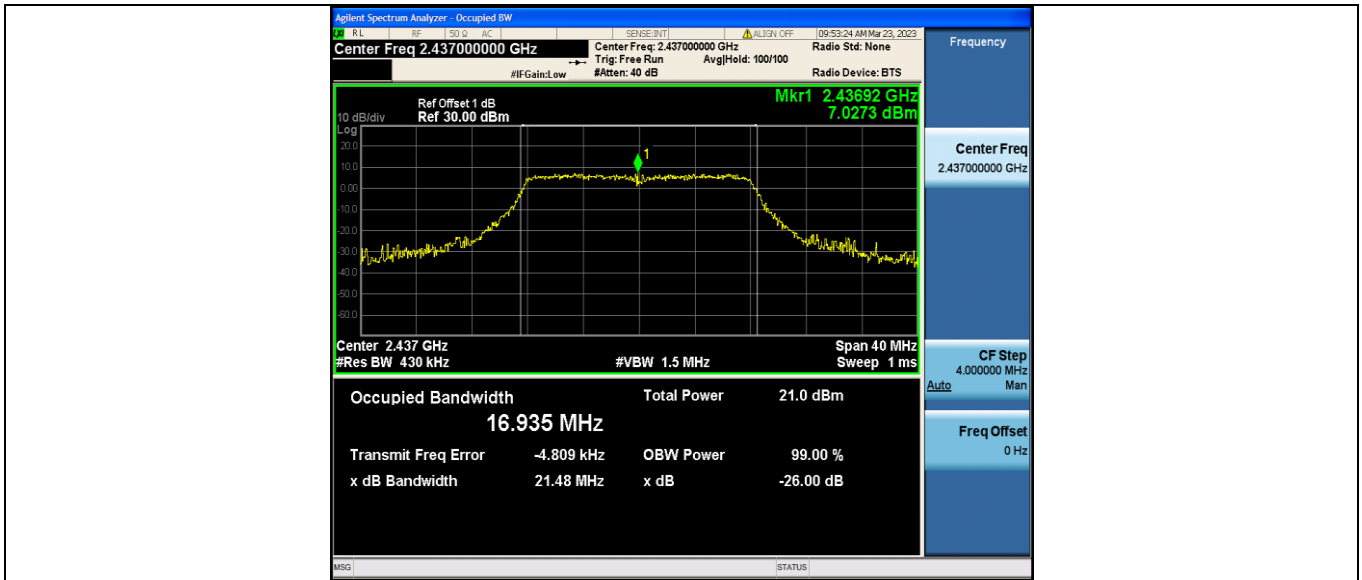


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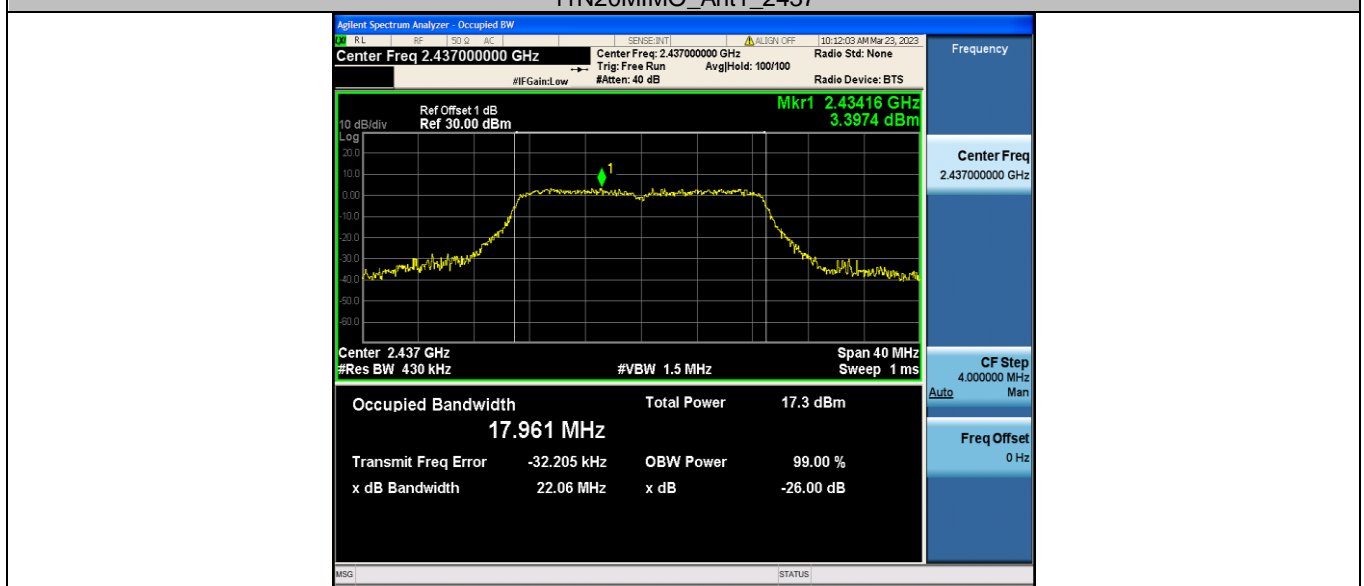
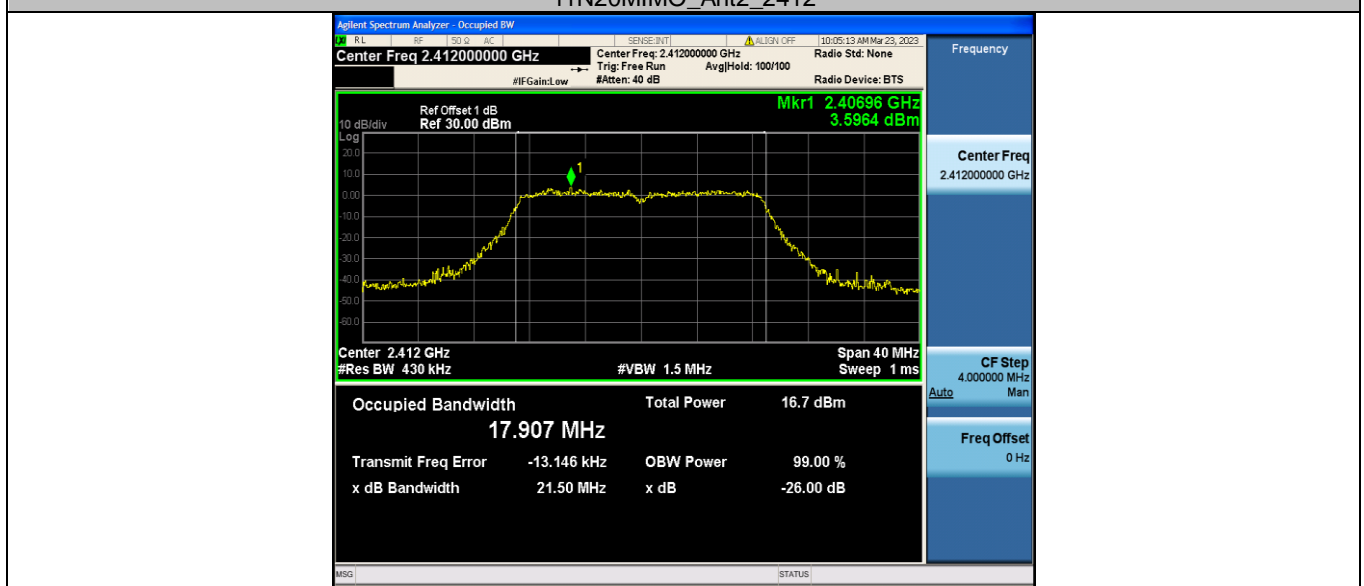
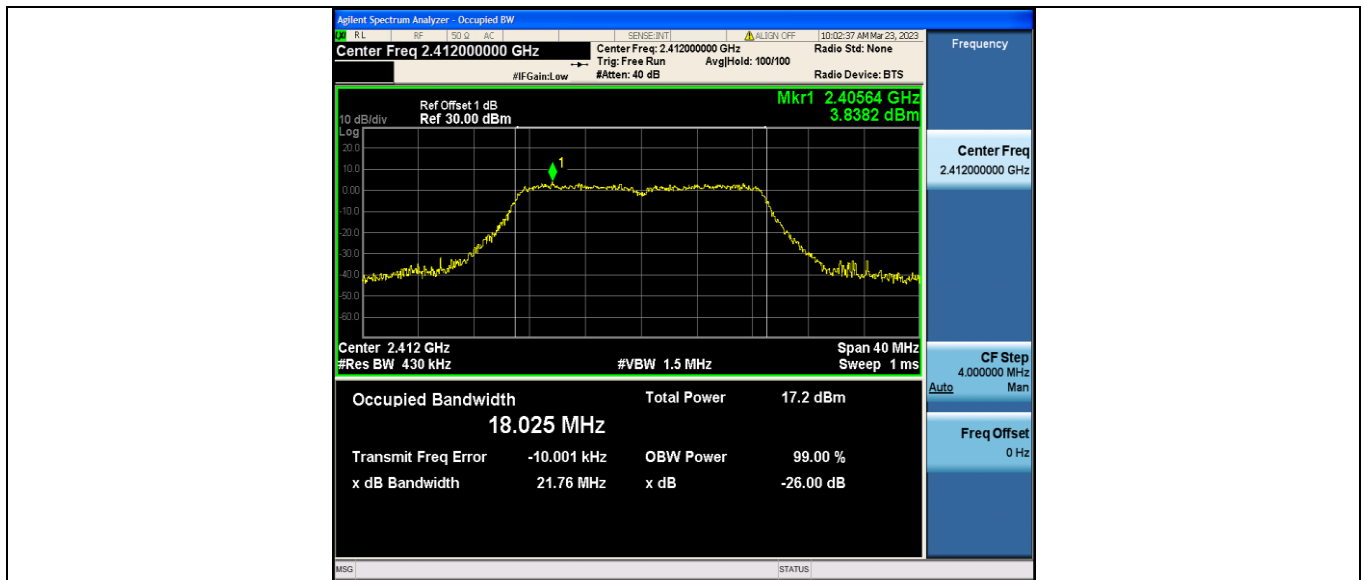


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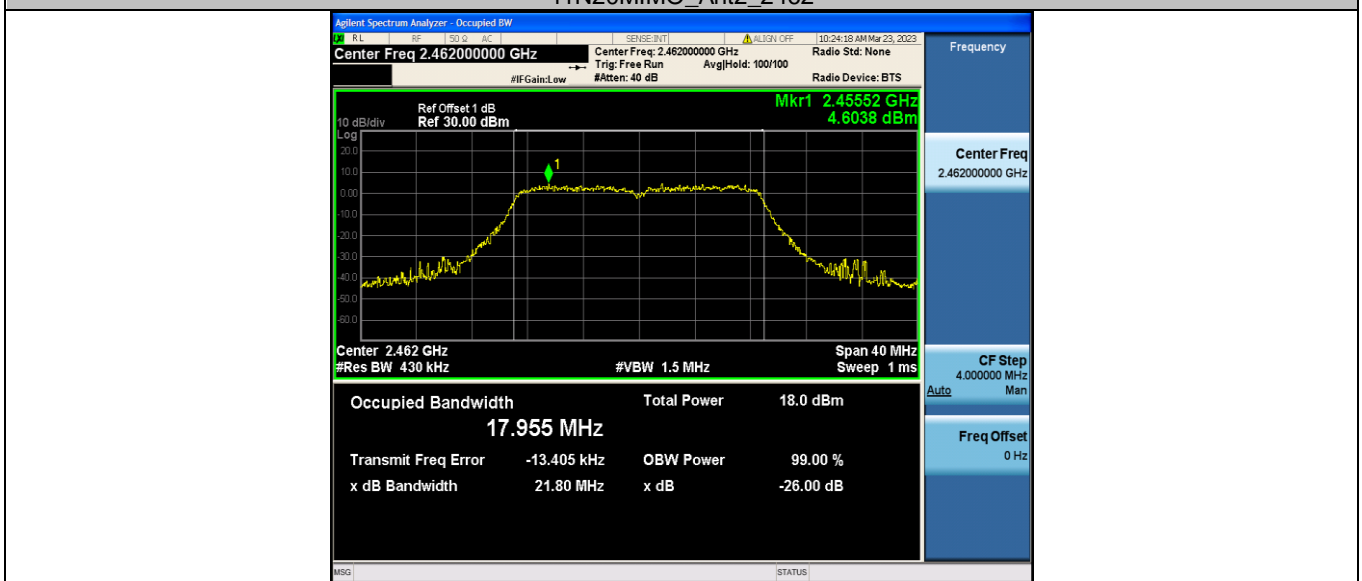
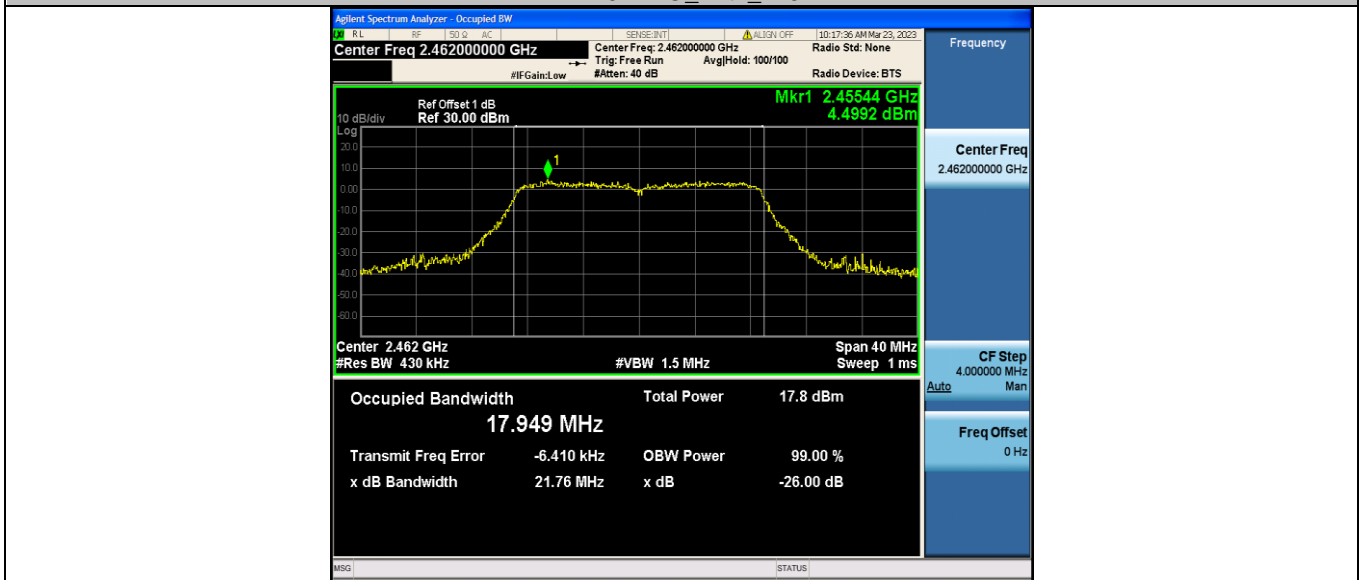
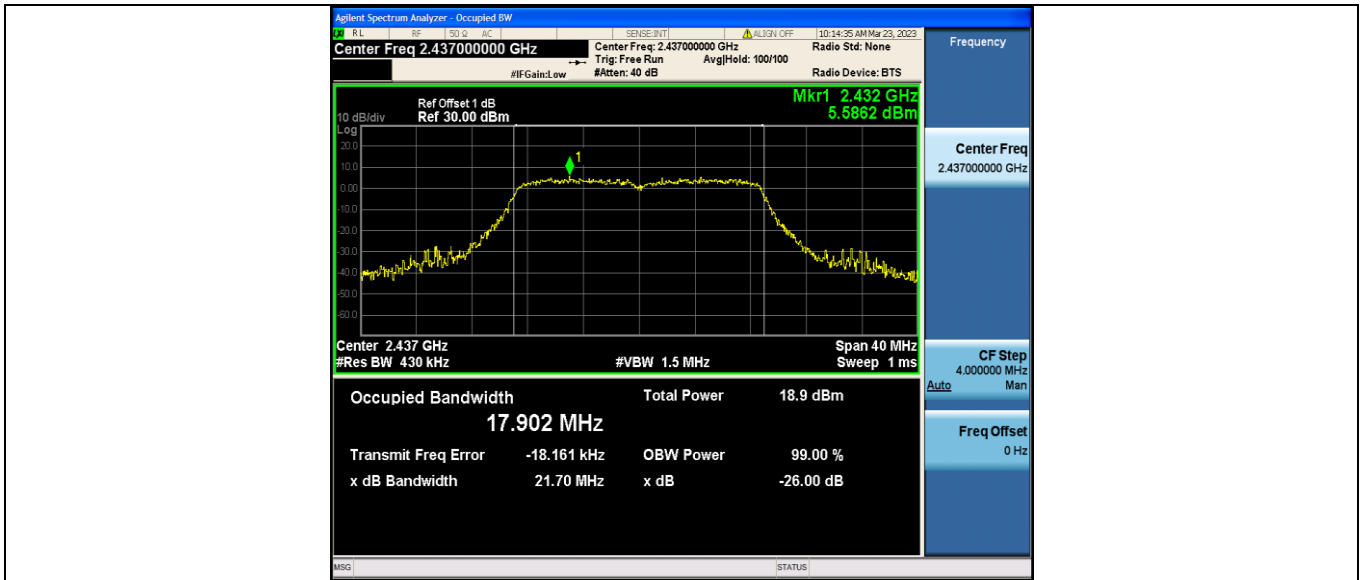
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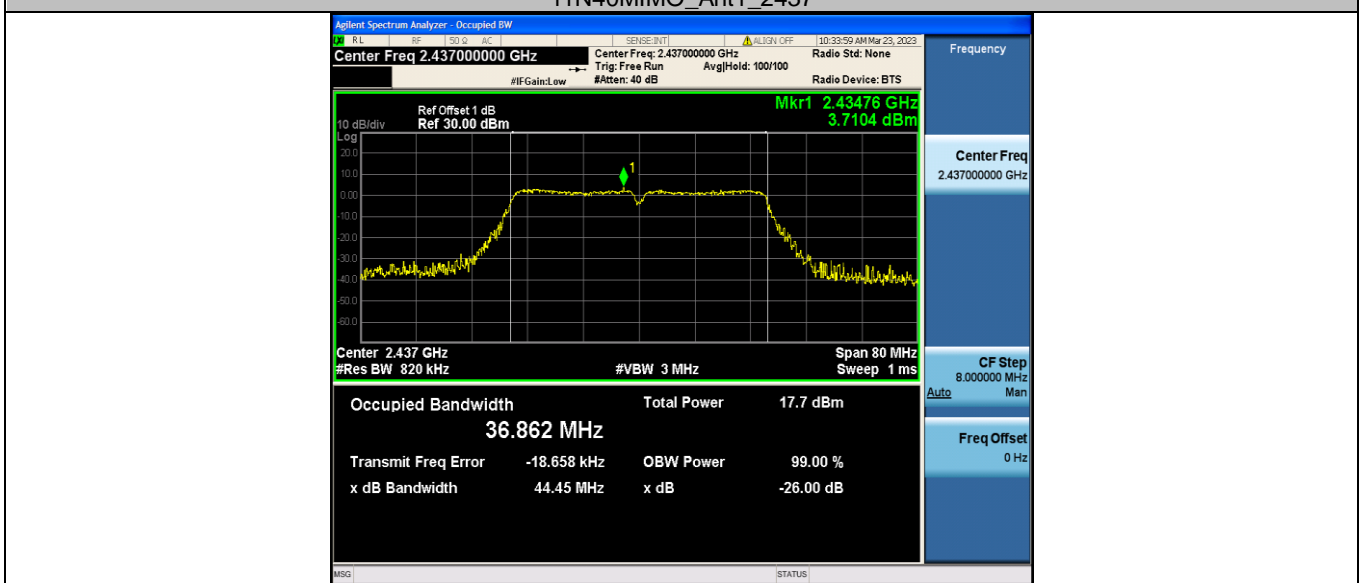
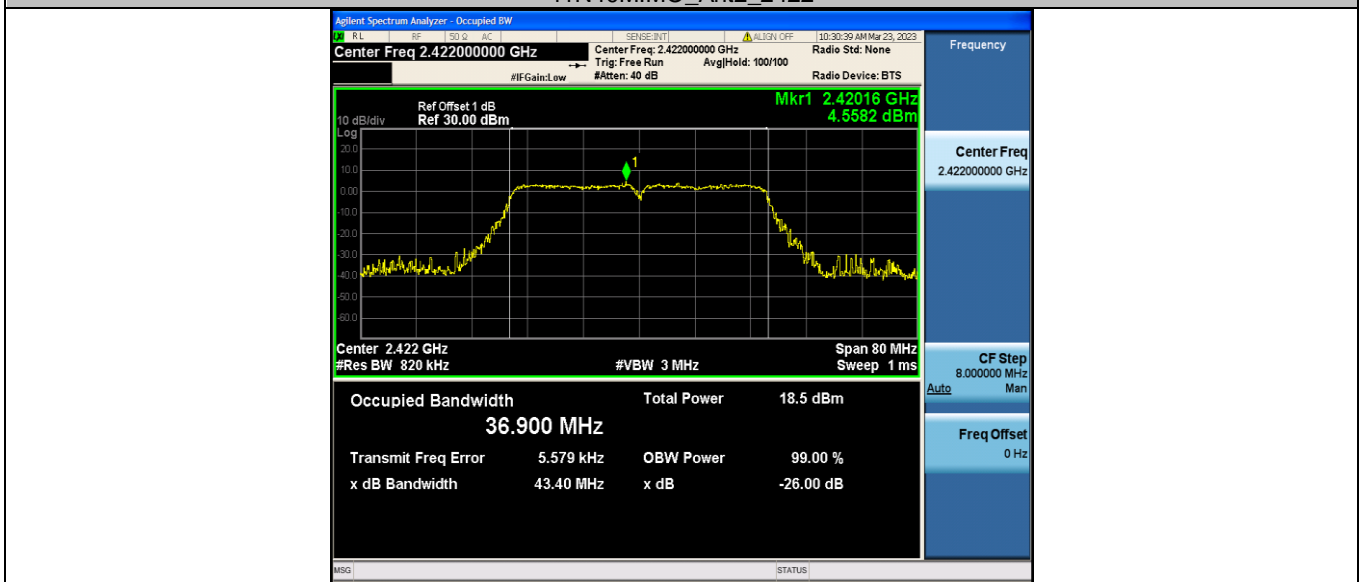
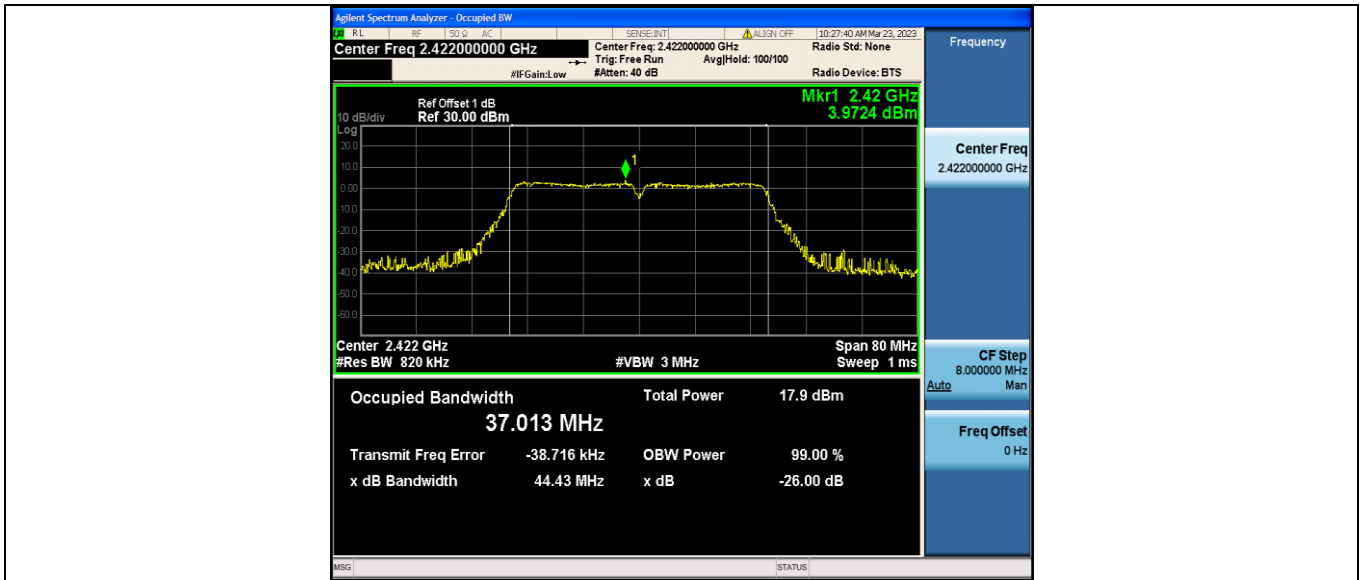


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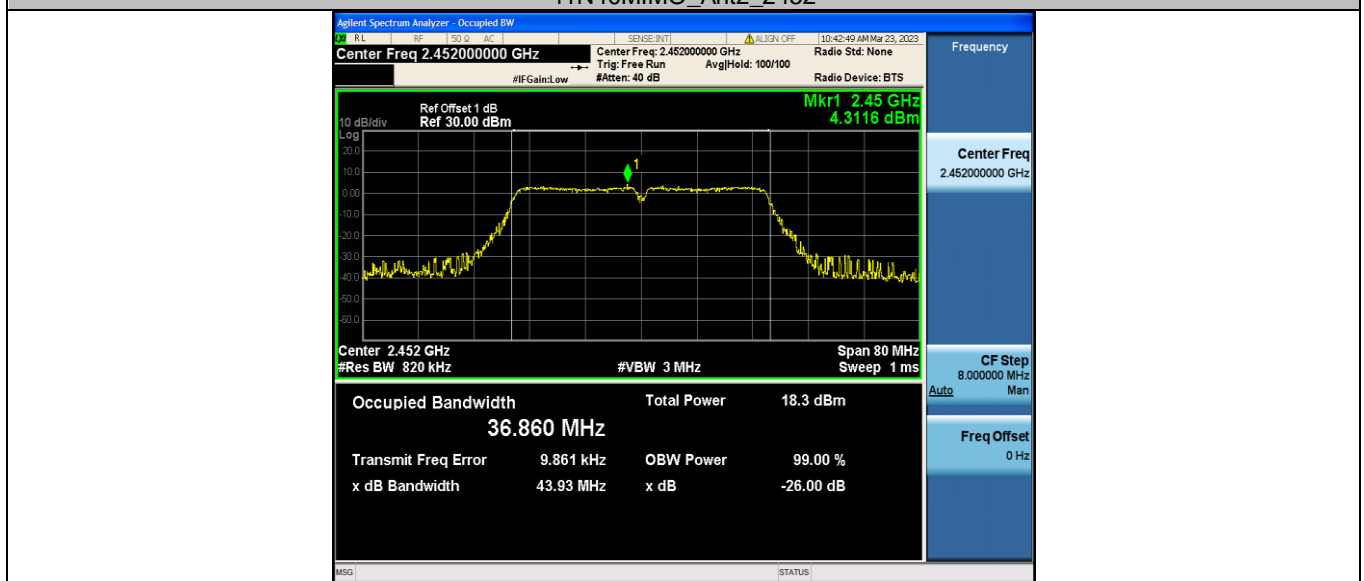
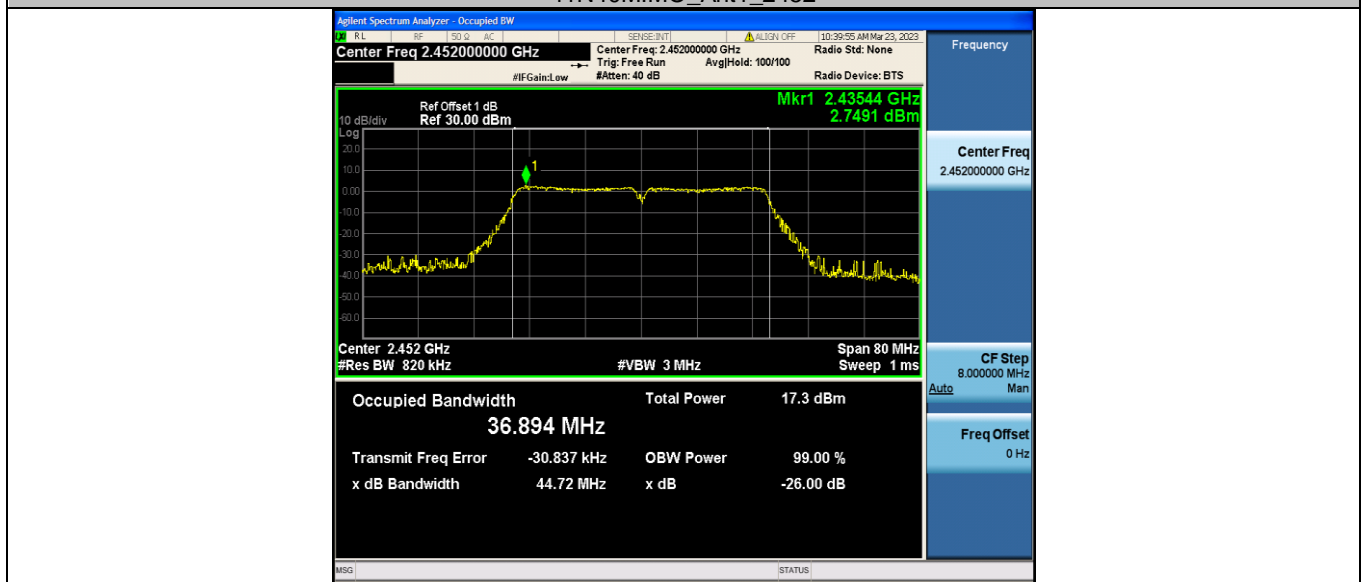
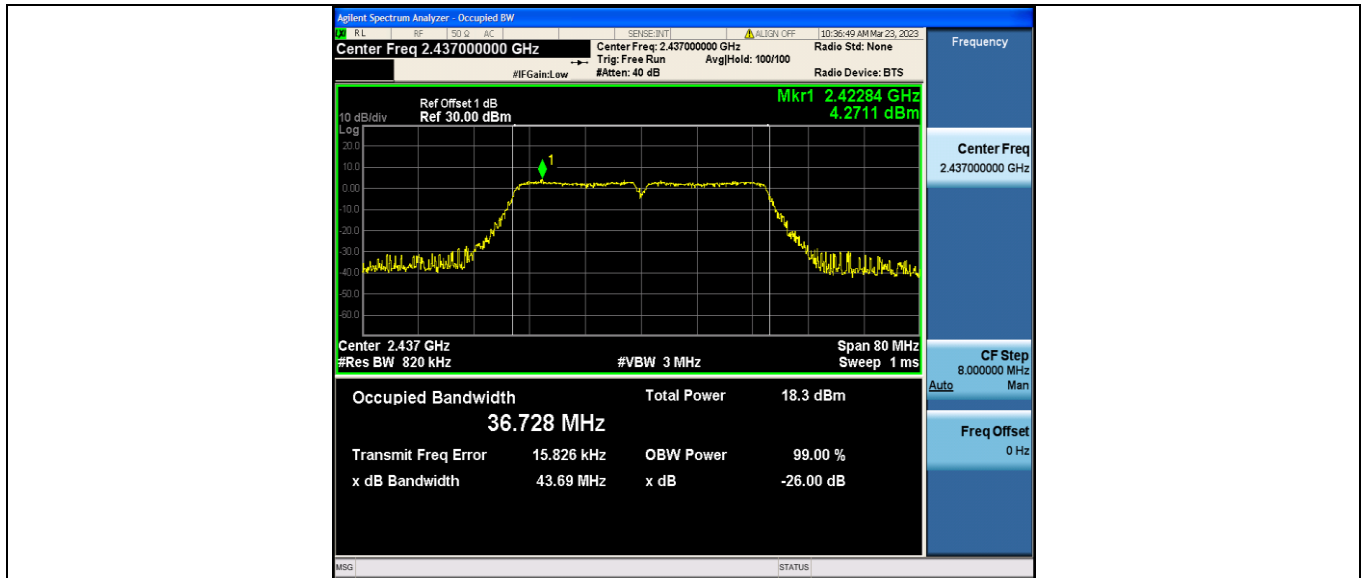


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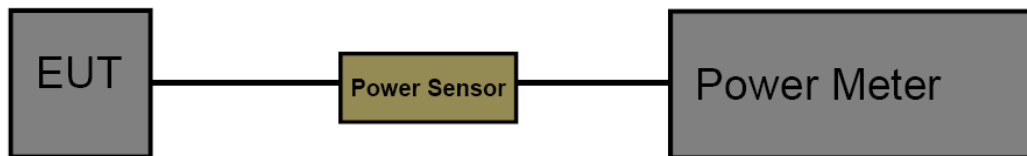
3.6. Output Power

Limit

FCC CFR Title 47 Part 15 Subpart C Section 15.247 (b)(3)/ RSS-247 5.4:

Section	Test Item	Limit	Frequency Range(MHz)
CFR 47 FCC 15.247(b)(3)	Maximum conducted output power	1 Watt or 30dBm	2400~2483.5

Test Configuration



Test Procedure

1. The maximum conducted output power may be measured using a broadband RF power meter.
2. Power measurements were performed only when the EUT was transmitting at its maximum power control level using a broadband power meter with a pulse sensor.
3. The power meter implemented triggering and gating capabilities which were set up such that power measurements were recorded only during the ON time of the transmitter.
4. Record the measurement data.

Test Mode

Please refer to the clause 2.4.

**Test Result**

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.84	≤30	PASS
	Ant2	2412	16.33	≤30	PASS
	Ant1	2437	16.41	≤30	PASS
	Ant2	2437	16.28	≤30	PASS
	Ant1	2462	16.31	≤30	PASS
	Ant2	2462	16.52	≤30	PASS
11G	Ant1	2412	13.67	≤30	PASS
	Ant2	2412	15.10	≤30	PASS
	Ant1	2437	14.38	≤30	PASS
	Ant2	2437	14.84	≤30	PASS
	Ant1	2462	14.92	≤30	PASS
	Ant2	2462	14.80	≤30	PASS
11N20MIMO	Ant1	2412	11.71	≤28	PASS
	Ant2	2412	12.20	≤28	PASS
	total	2412	15.0	≤28	PASS
	Ant1	2437	11.50	≤28	PASS
	Ant2	2437	11.93	≤28	PASS
	total	2437	14.7	≤28	PASS
	Ant1	2462	10.73	≤28	PASS
	Ant2	2462	11.94	≤28	PASS
total	2462	14.4	≤28	PASS	
11N40MIMO	Ant1	2422	10.96	≤28	PASS
	Ant2	2422	11.68	≤28	PASS
	total	2422	14.3	≤28	PASS
	Ant1	2437	10.72	≤28	PASS
	Ant2	2437	11.45	≤28	PASS
	total	2437	14.1	≤28	PASS
	Ant1	2452	10.50	≤28	PASS
	Ant2	2452	11.42	≤28	PASS
total	2452	14.0	≤28	PASS	

Note: Test results increased RF cable loss by 0.5dB.



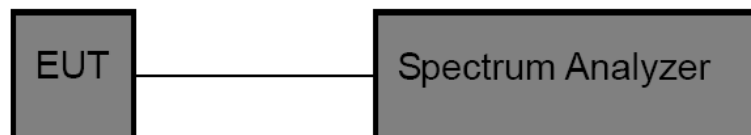
3.7. Power Spectral Density

Limit

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

Test Item	Limit	Frequency Range(MHz)
Power Spectral Density	8dBm(in any 3 kHz)	2400~2483.5

Test Configuration



Test Procedure

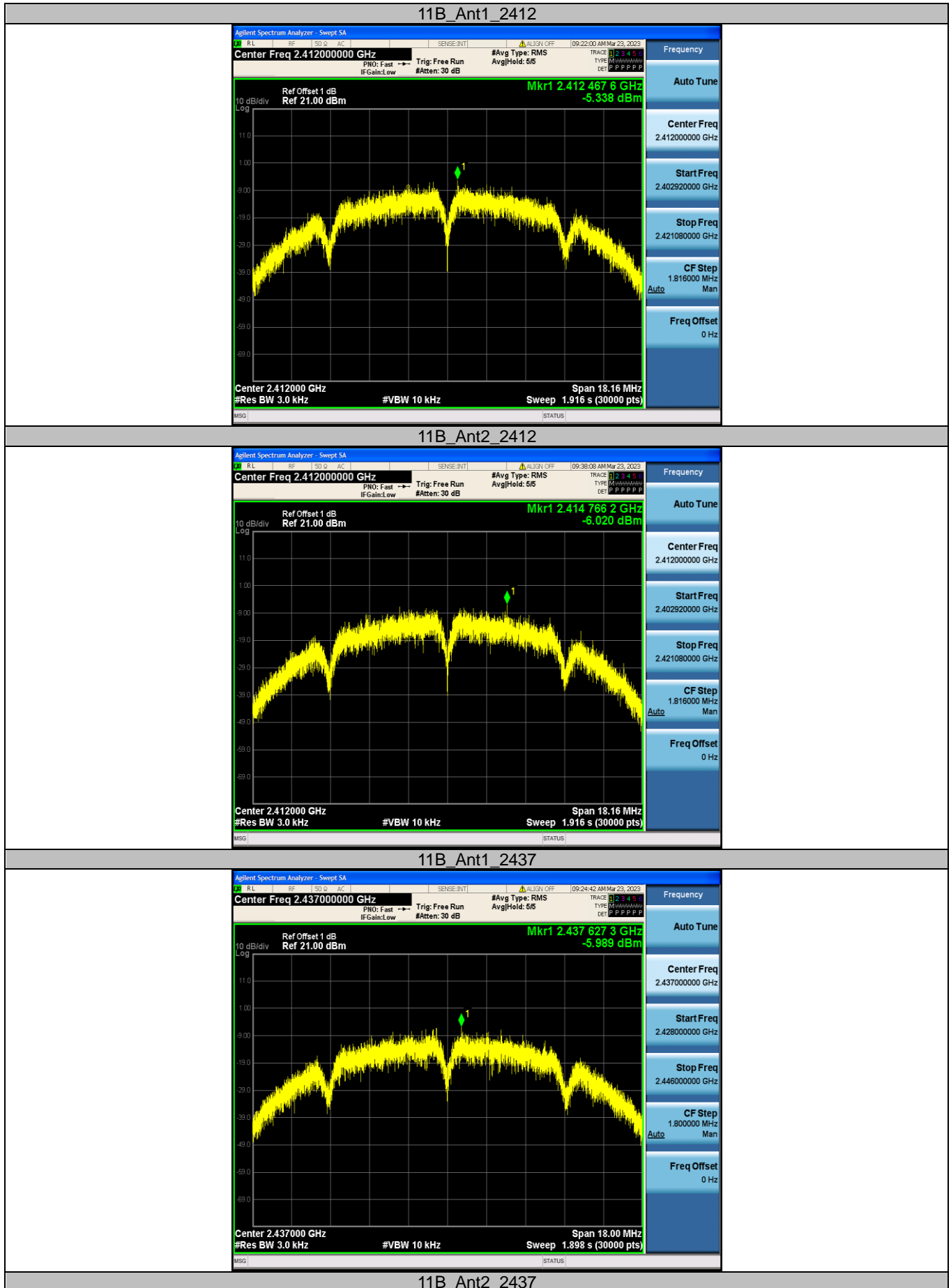
1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:
Set analyzer center frequency to DTS channel center frequency.
Set the span to 1.5 times the DTS bandwidth.
Set the RBW to: 3 kHz
Set the VBW to: 10 kHz
Detector: PK
Sweep time: Auto
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.4.

**Test Result**

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-5.34	≤8	PASS
	Ant2	2412	-6.02	≤8	PASS
	Ant1	2437	-5.99	≤8	PASS
	Ant2	2437	-4.43	≤8	PASS
	Ant1	2462	-5.51	≤8	PASS
	Ant2	2462	-5.55	≤8	PASS
11G	Ant1	2412	-12.11	≤8	PASS
	Ant2	2412	-10.19	≤8	PASS
	Ant1	2437	-10.48	≤8	PASS
	Ant2	2437	-9.9	≤8	PASS
	Ant1	2462	-10.41	≤8	PASS
	Ant2	2462	-9.9	≤8	PASS
11N20MIMO	Ant1	2412	-12.63	≤6	PASS
	Ant2	2412	-12.5	≤6	PASS
	total	2412	-9.55	≤6	PASS
	Ant1	2437	-13.16	≤6	PASS
	Ant2	2437	-12.19	≤6	PASS
	total	2437	-9.64	≤6	PASS
	Ant1	2462	-12.98	≤6	PASS
	Ant2	2462	-13.97	≤6	PASS
total	2462	-10.44	≤6	PASS	
11N40MIMO	Ant1	2422	-17.39	≤6	PASS
	Ant2	2422	-16.82	≤6	PASS
	total	2422	-14.09	≤6	PASS
	Ant1	2437	-17.37	≤6	PASS
	Ant2	2437	-17.11	≤6	PASS
	total	2437	-14.23	≤6	PASS
	Ant1	2452	-17.7	≤6	PASS
	Ant2	2452	-17.04	≤6	PASS
total	2452	-14.35	≤6	PASS	

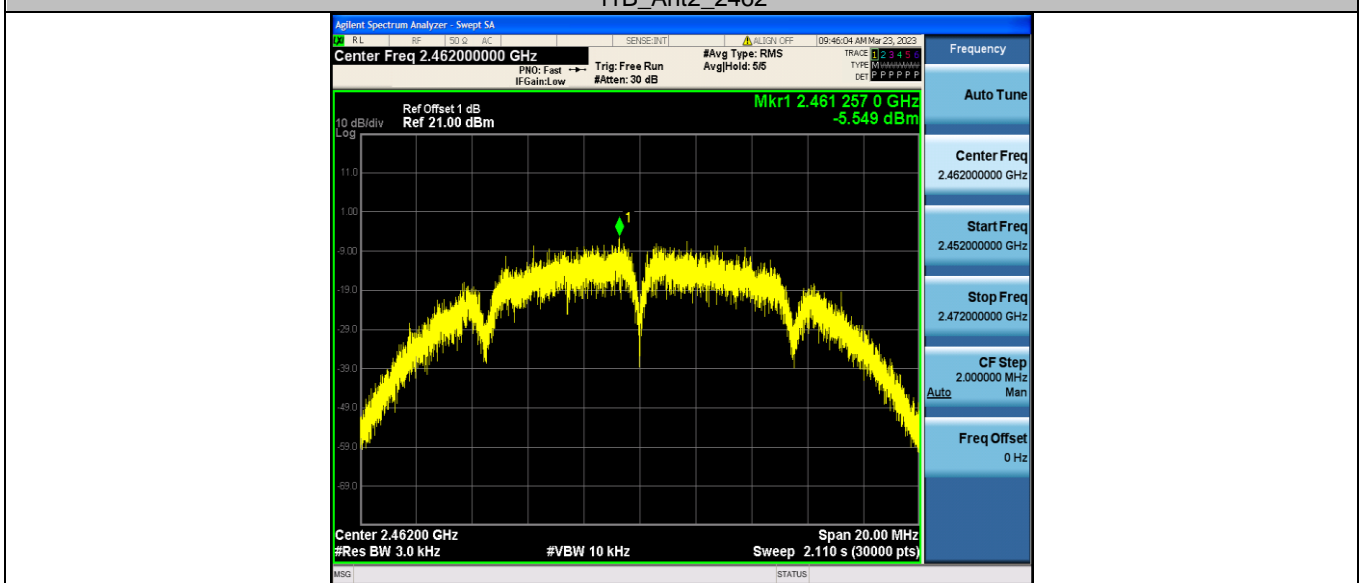
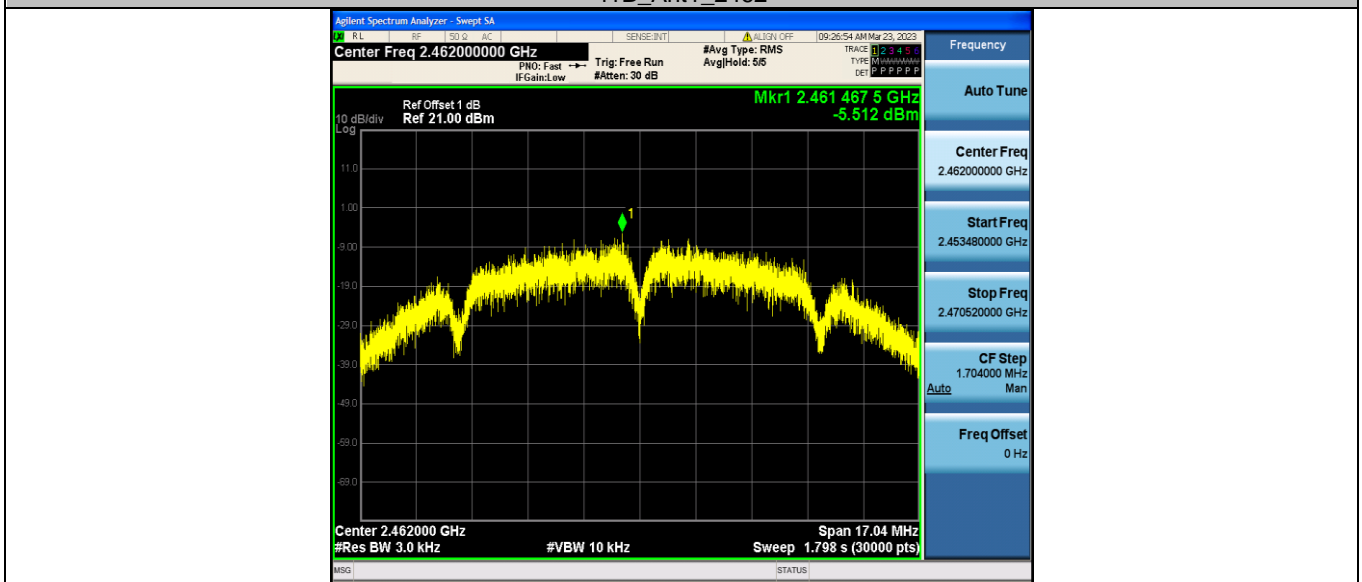
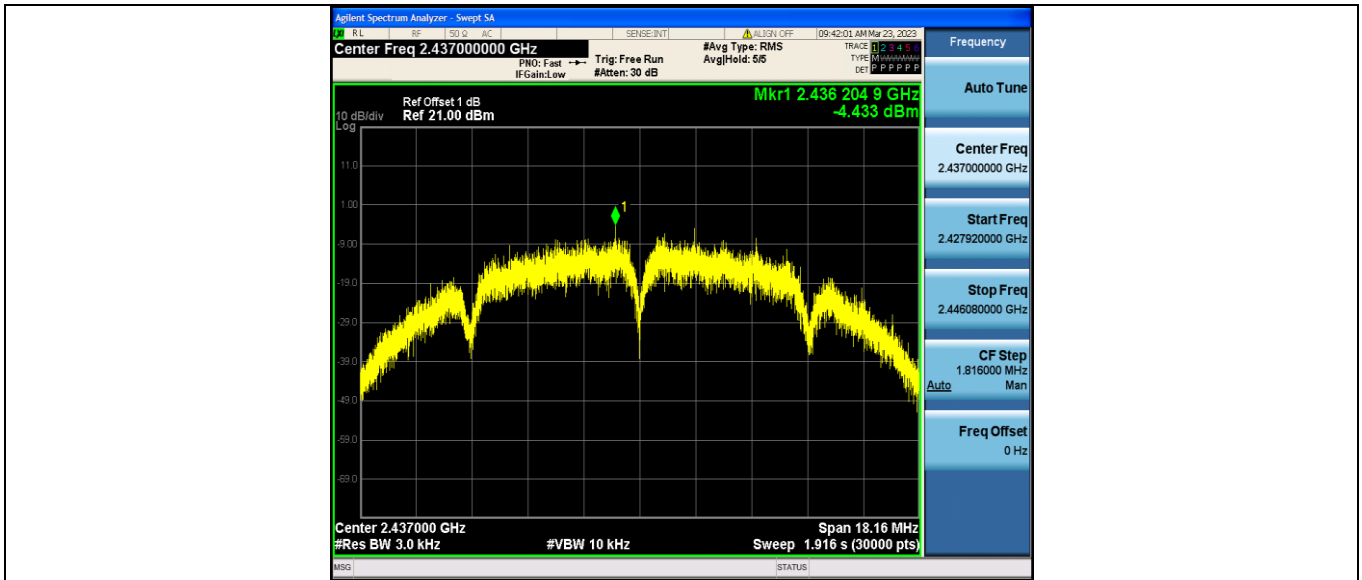


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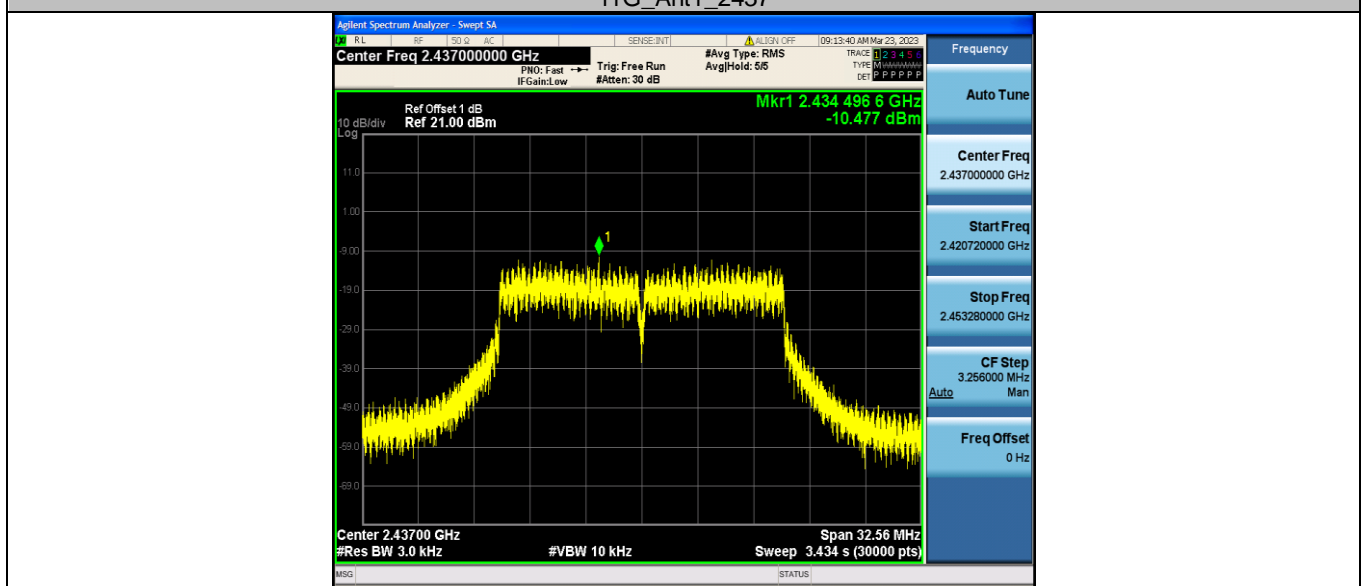
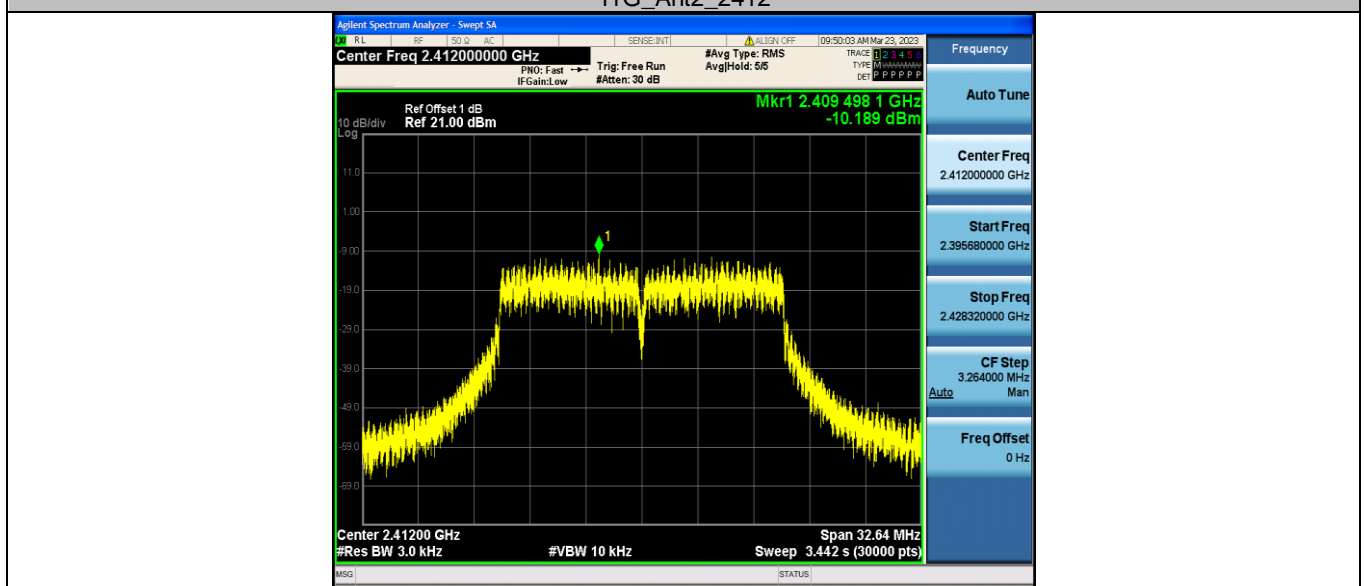
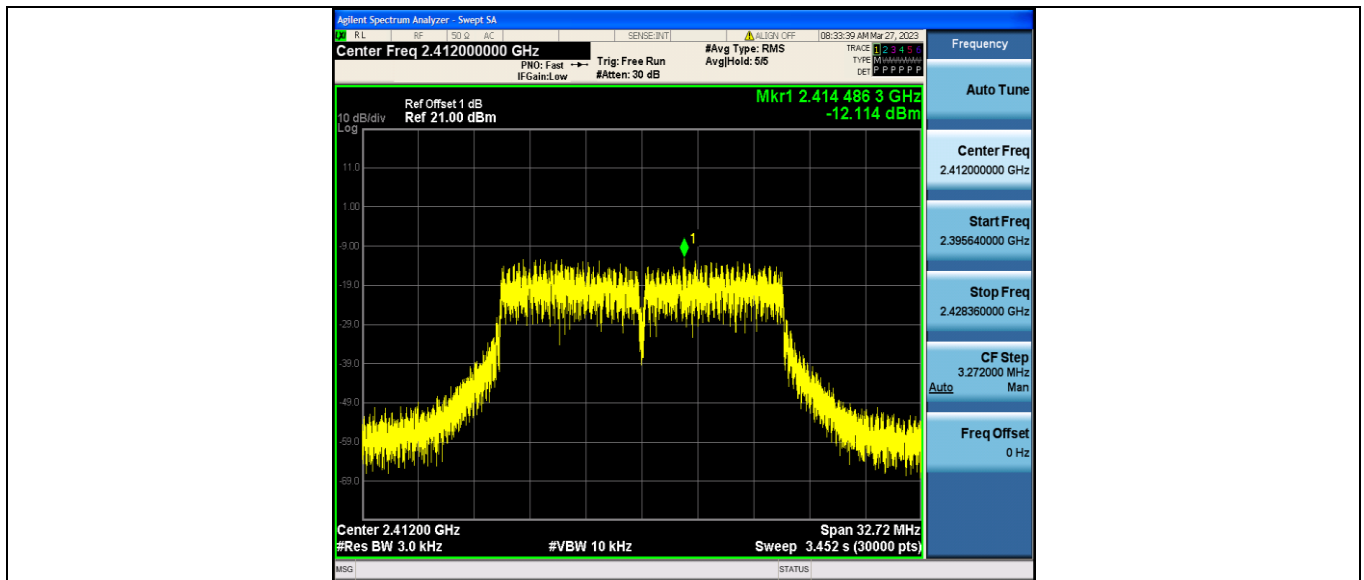


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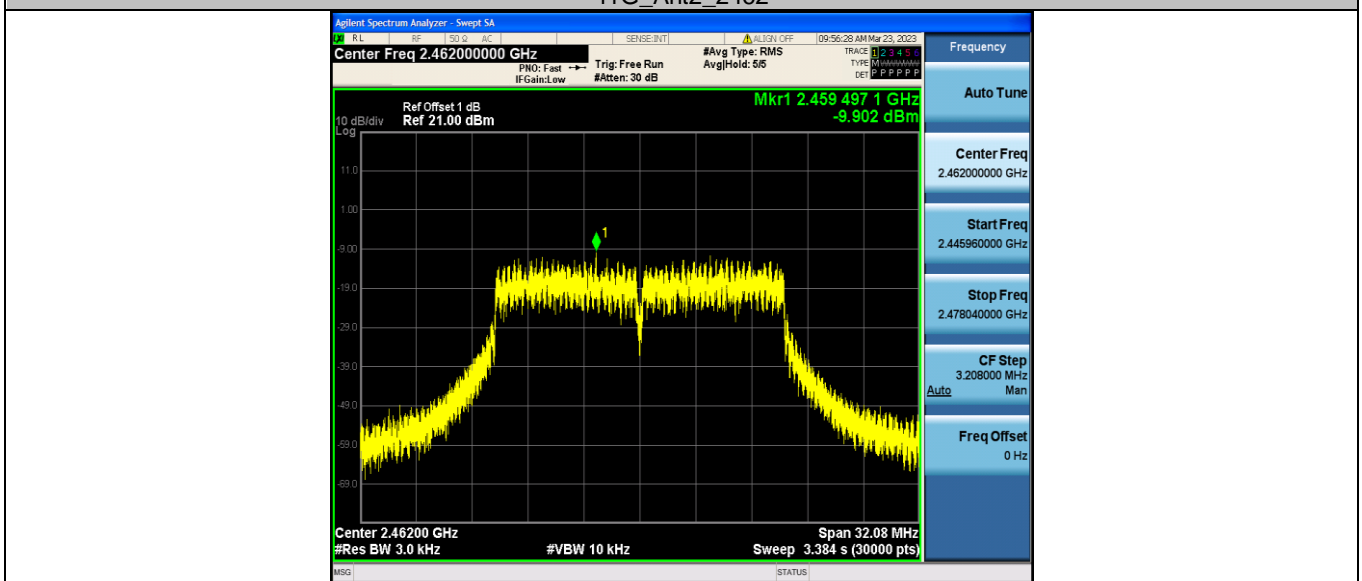
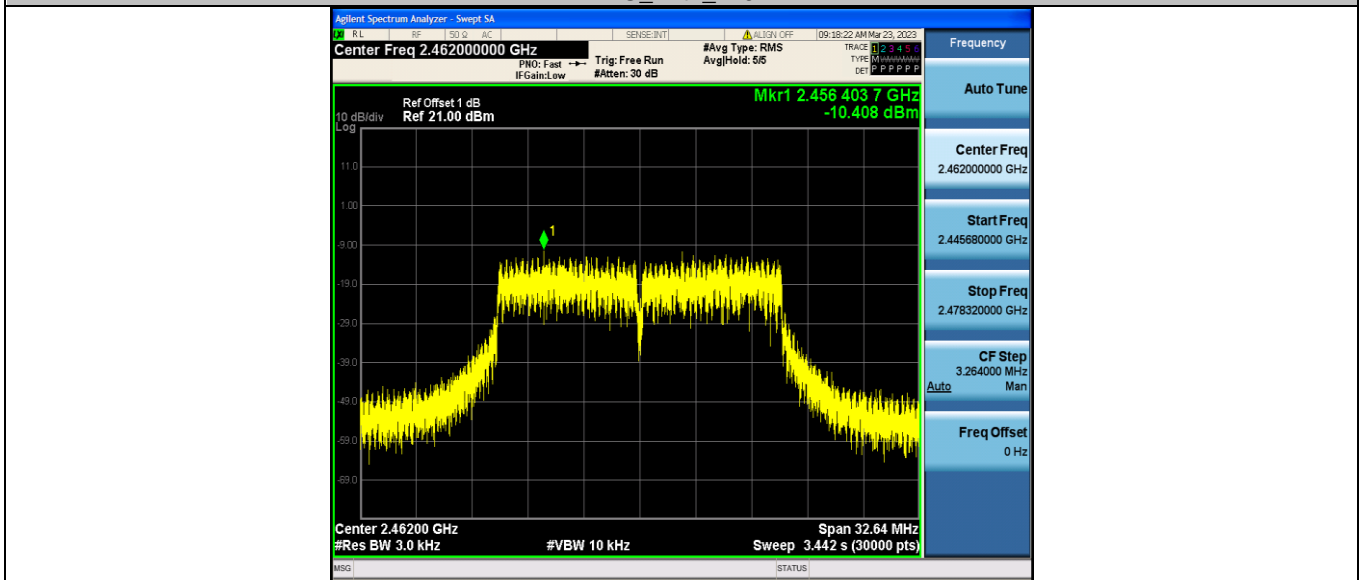
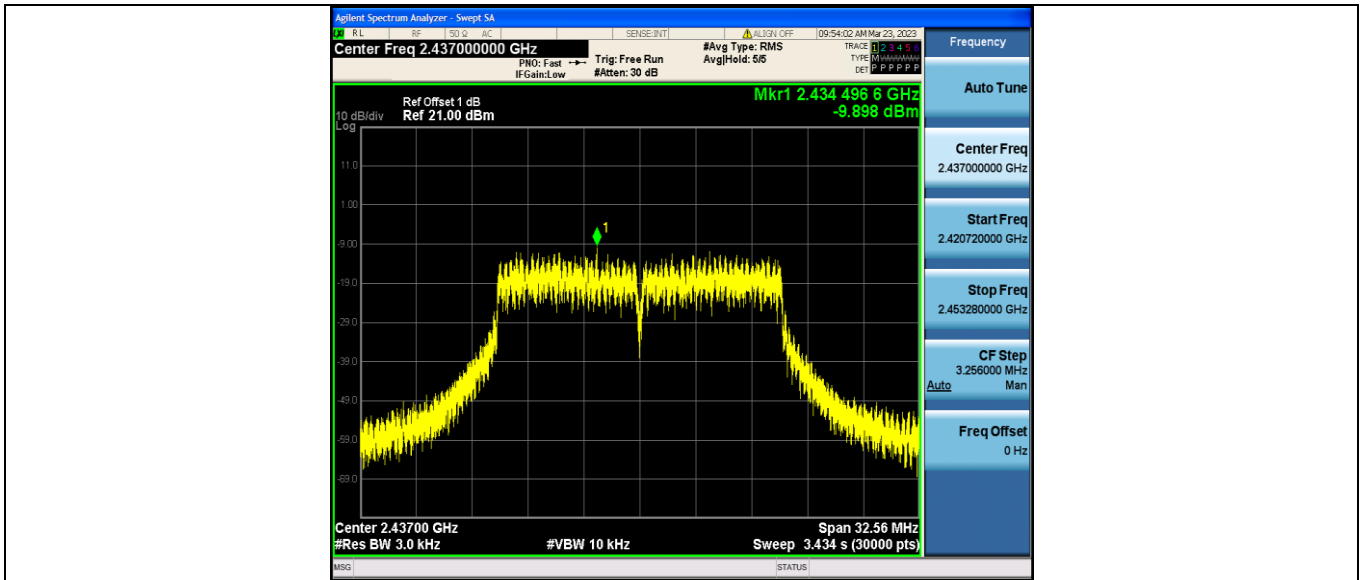


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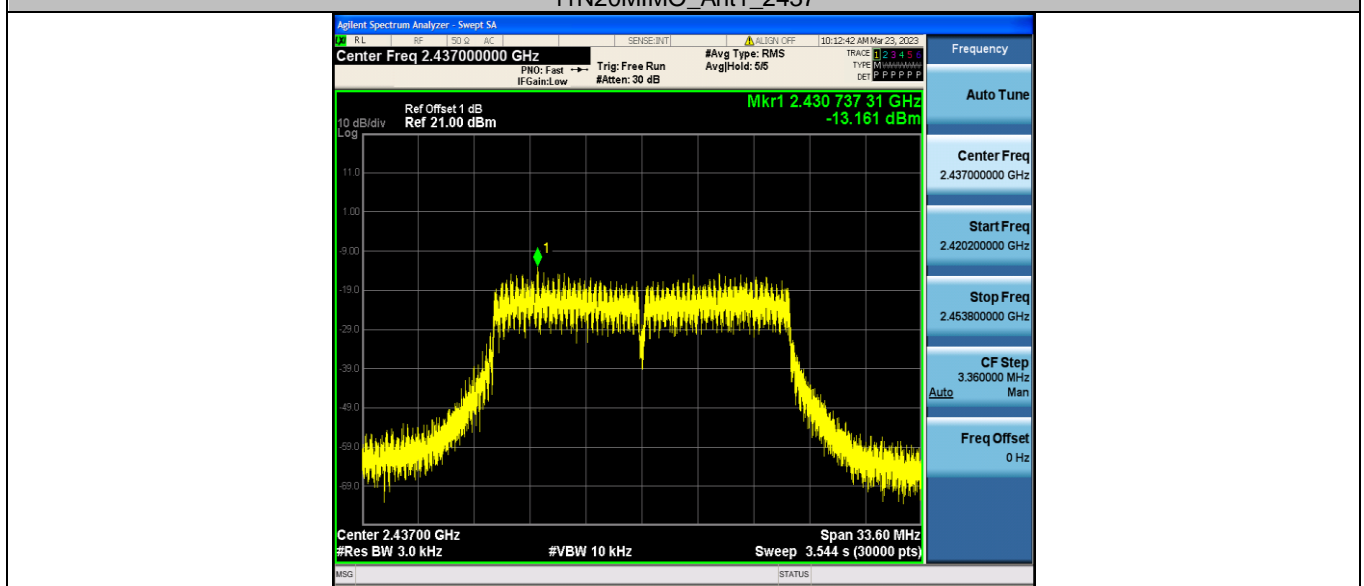
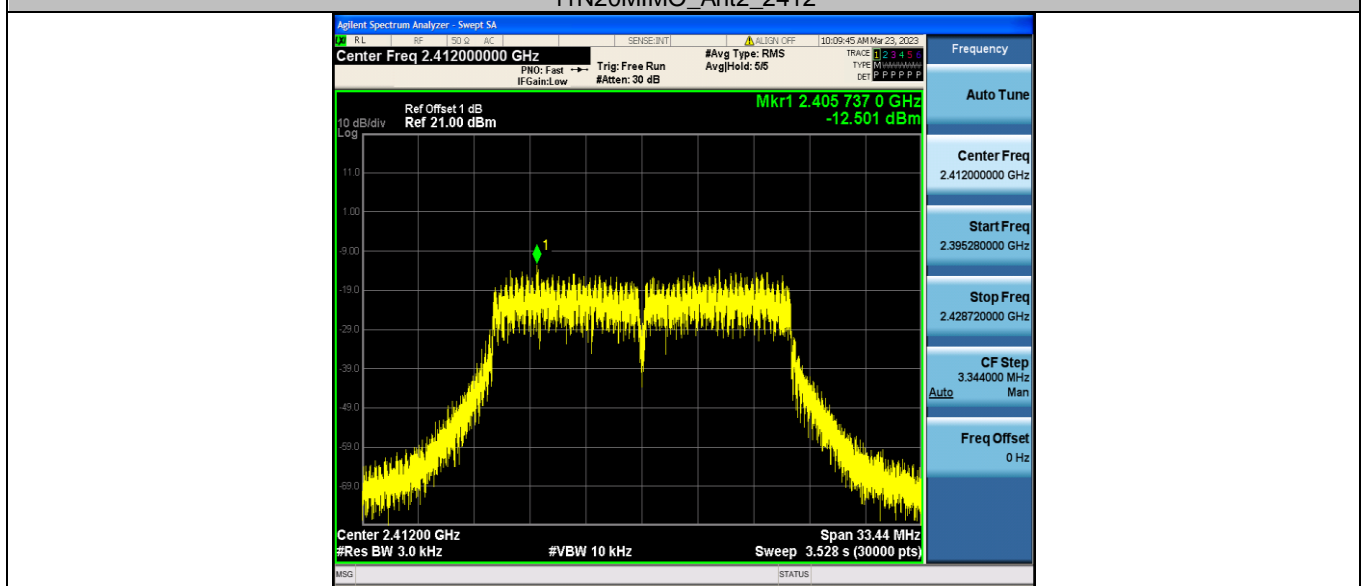
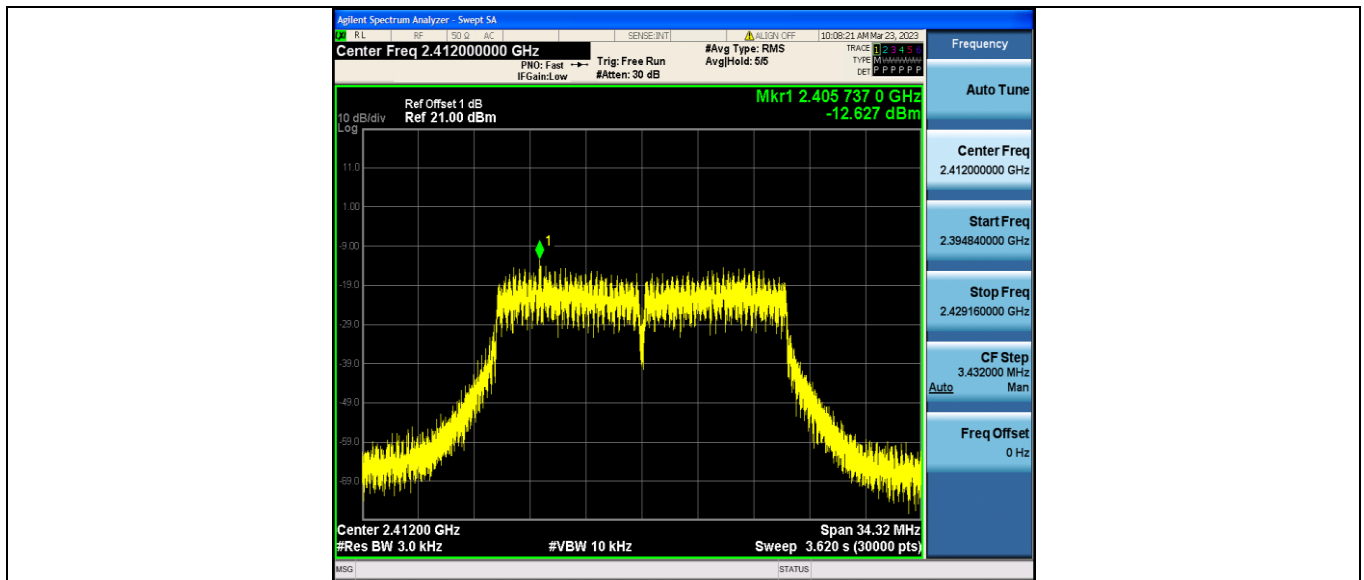


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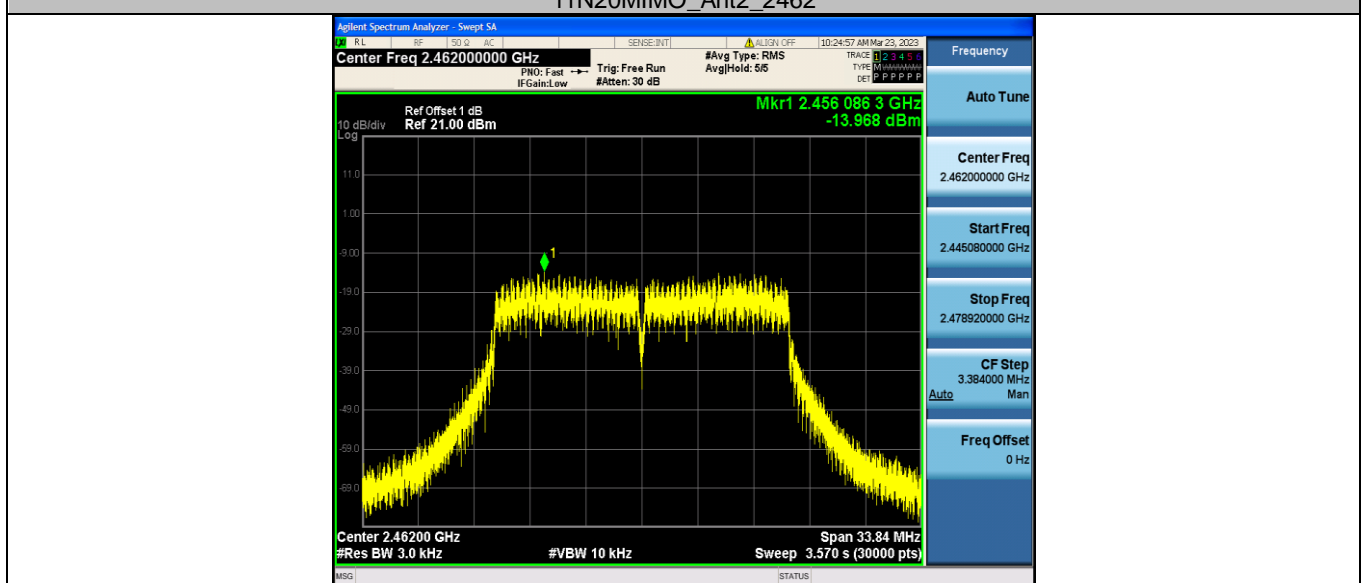
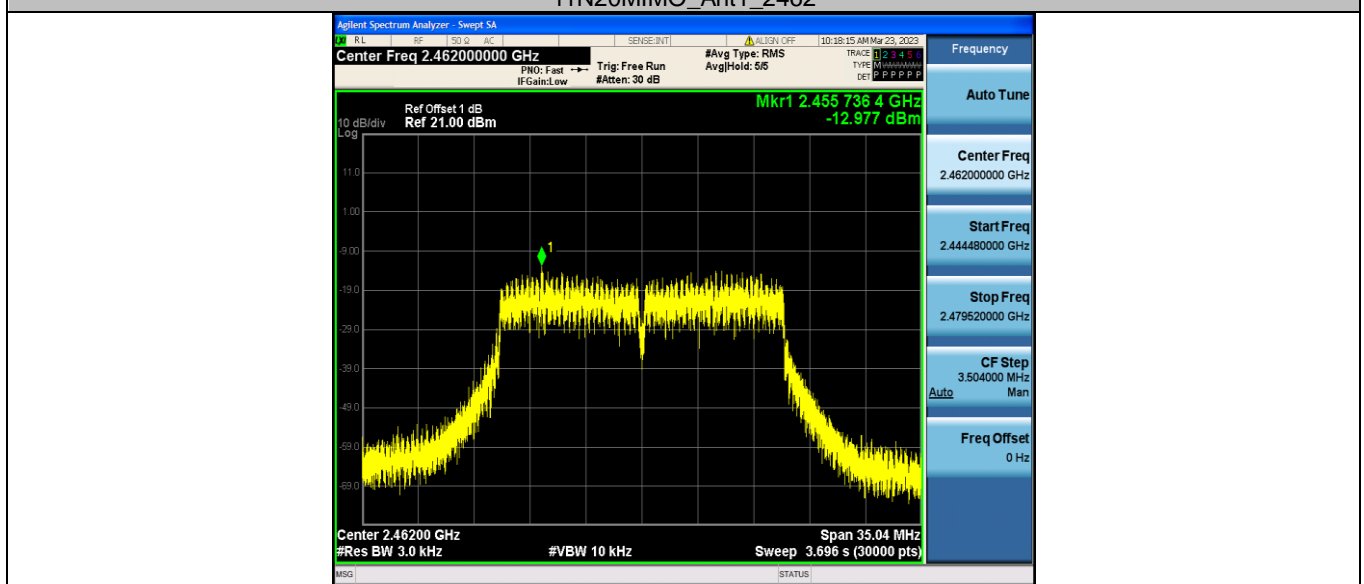
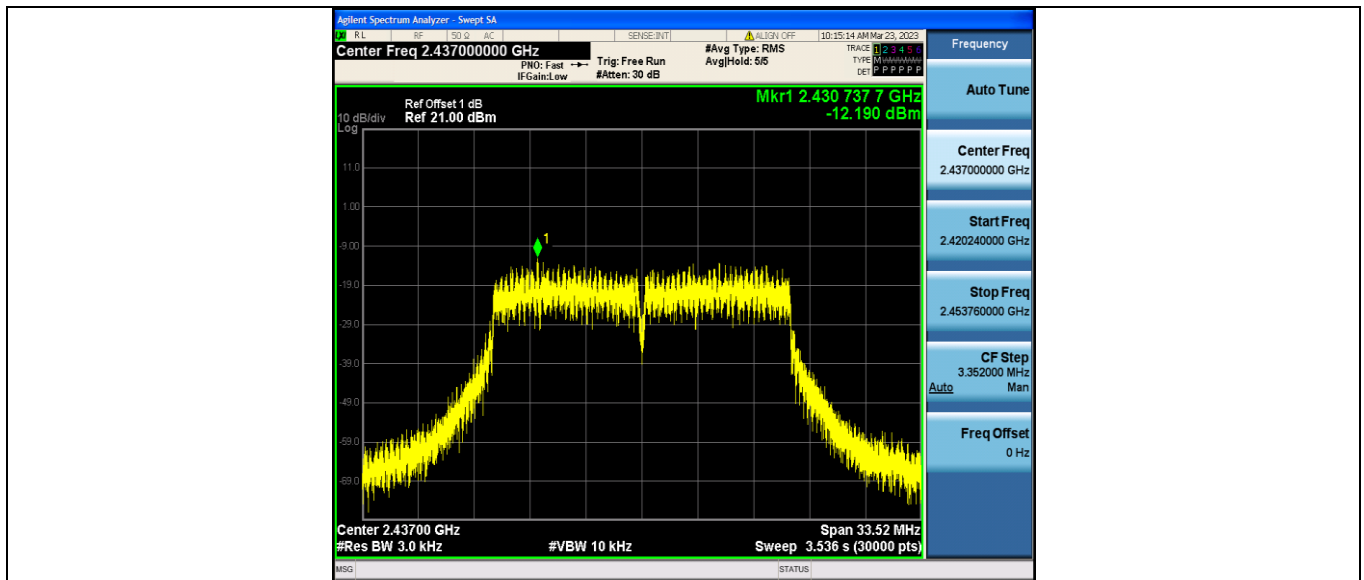


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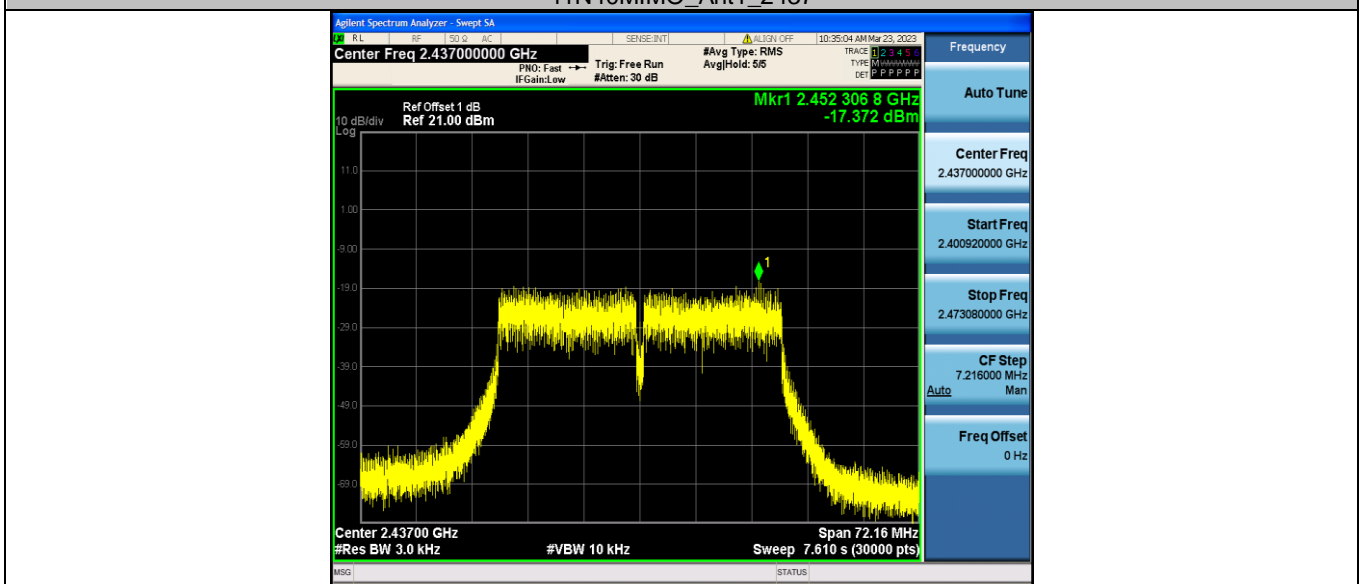
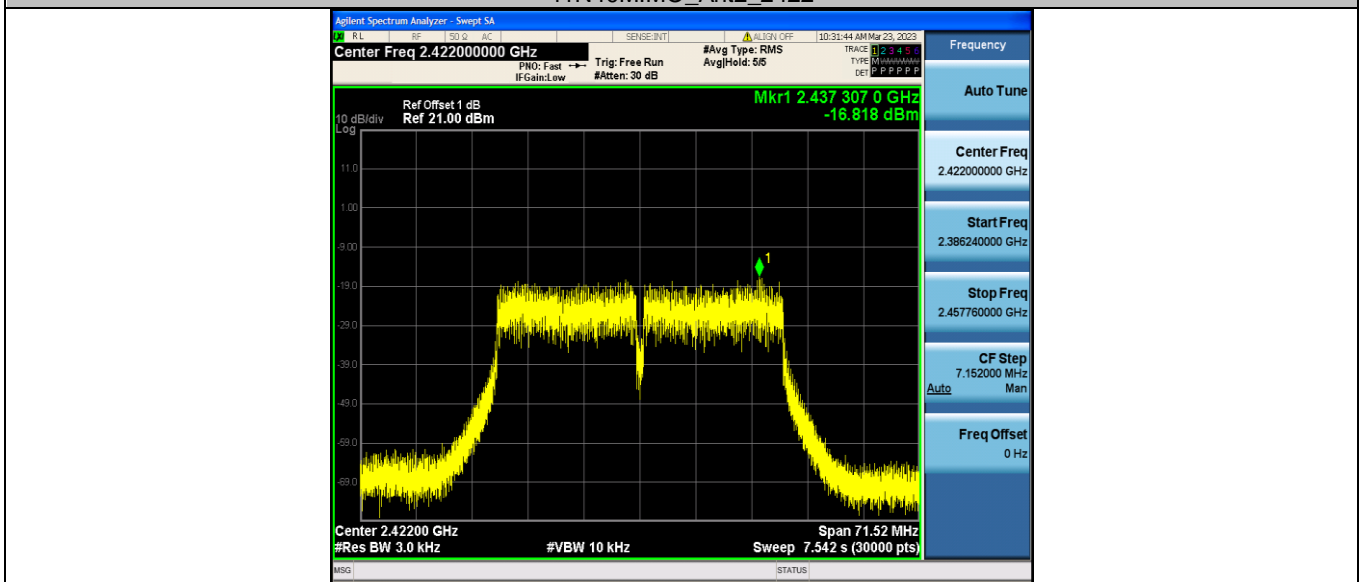
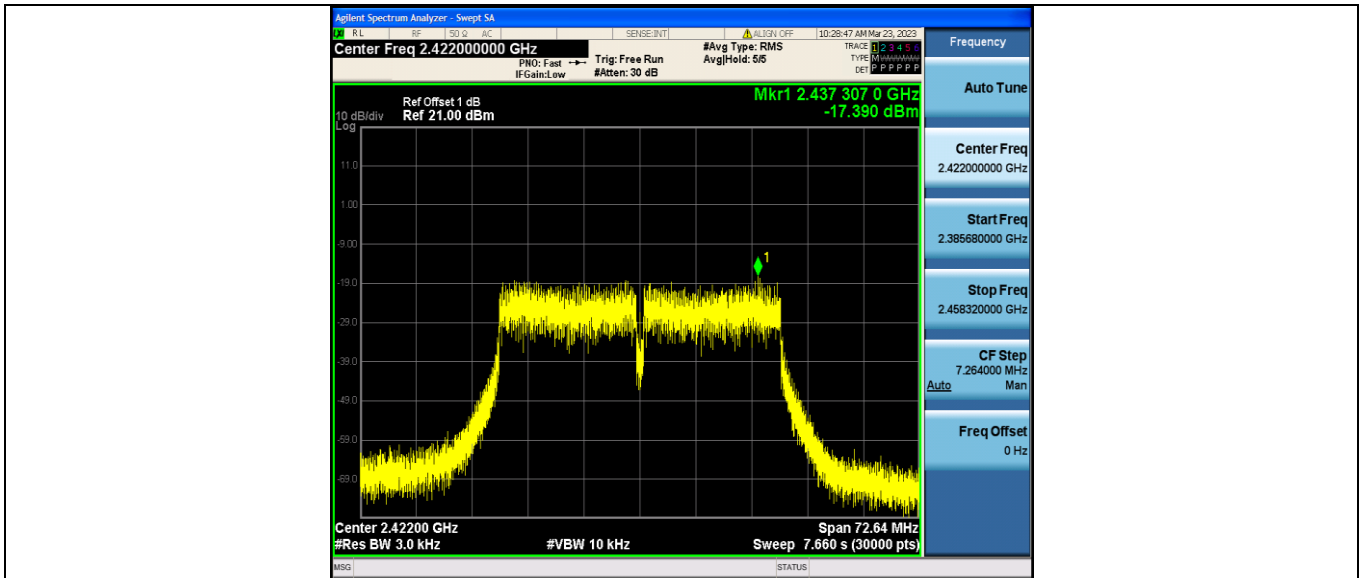


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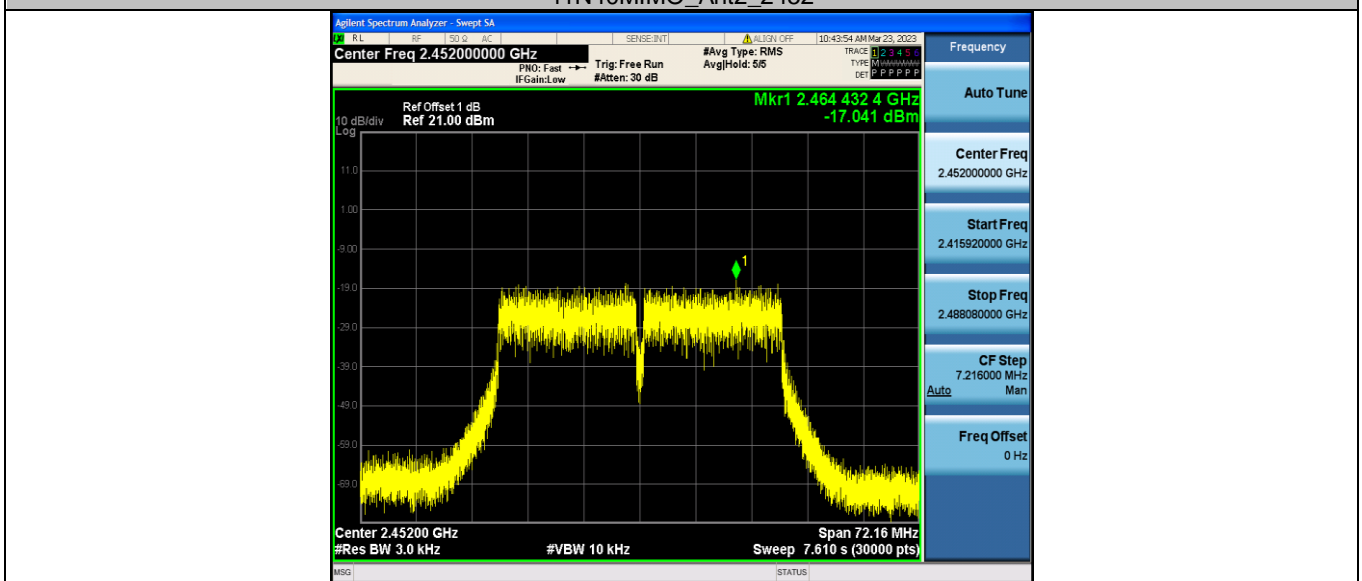
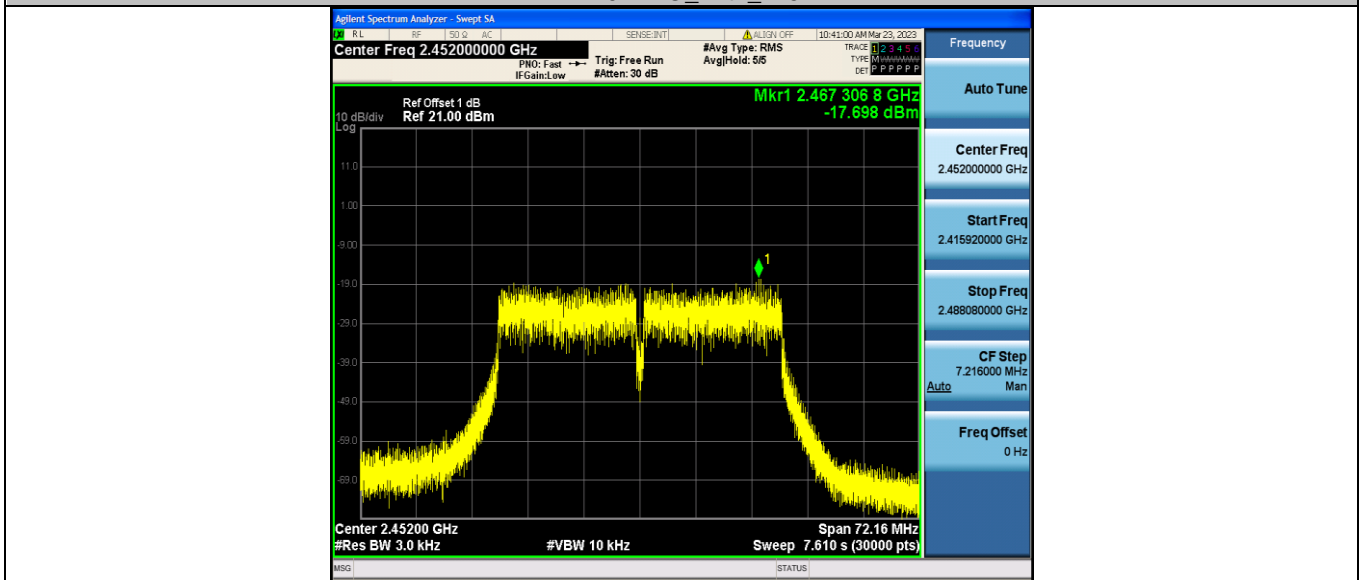
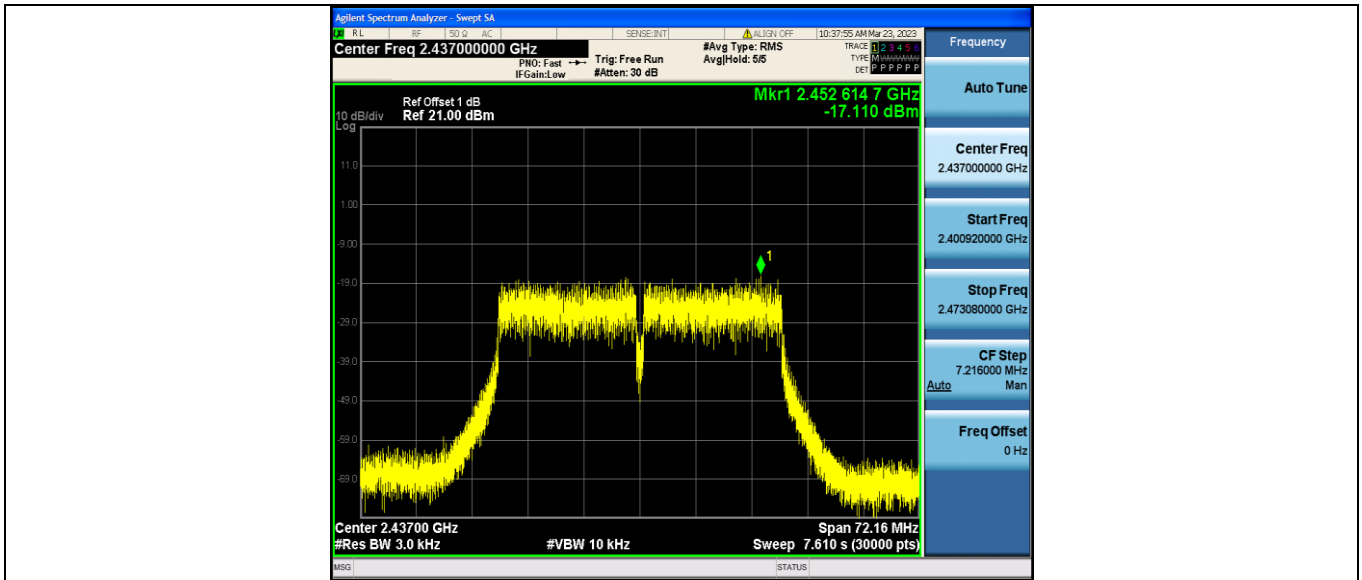


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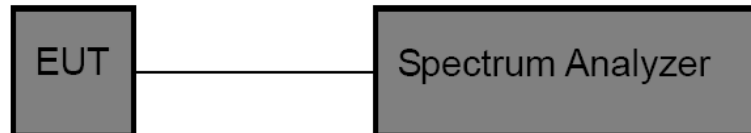
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3.8. Duty Cycle

Limit

None, for report purposes only.

Test Configuration



Test Procedure

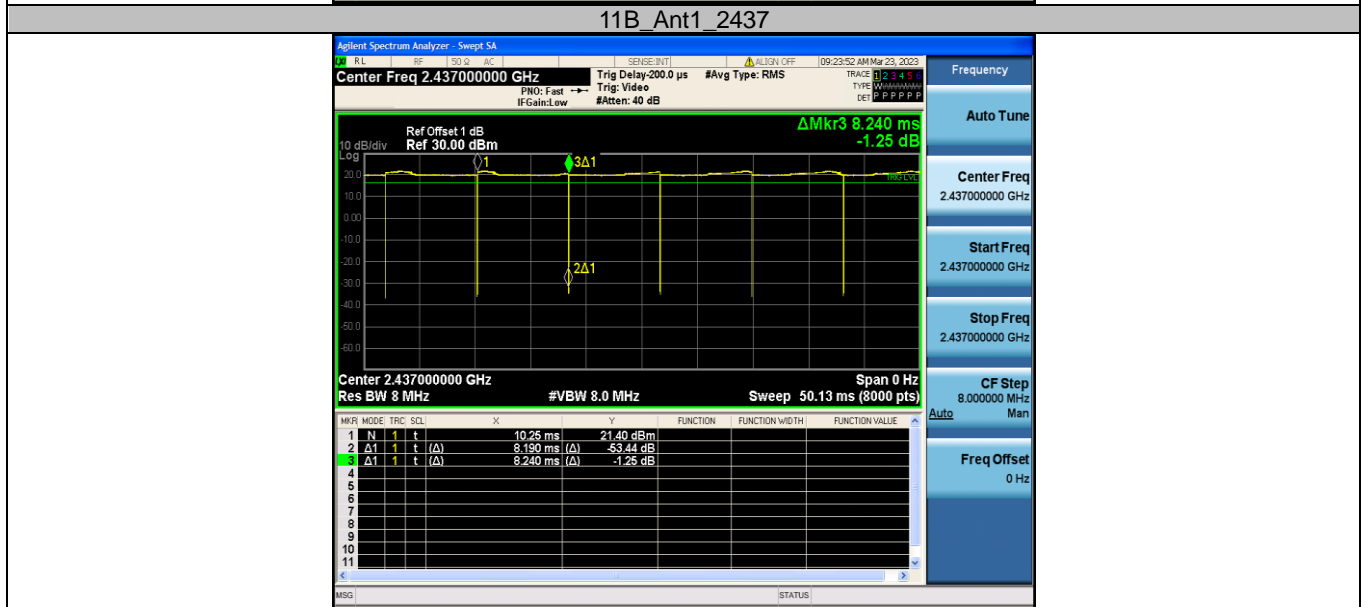
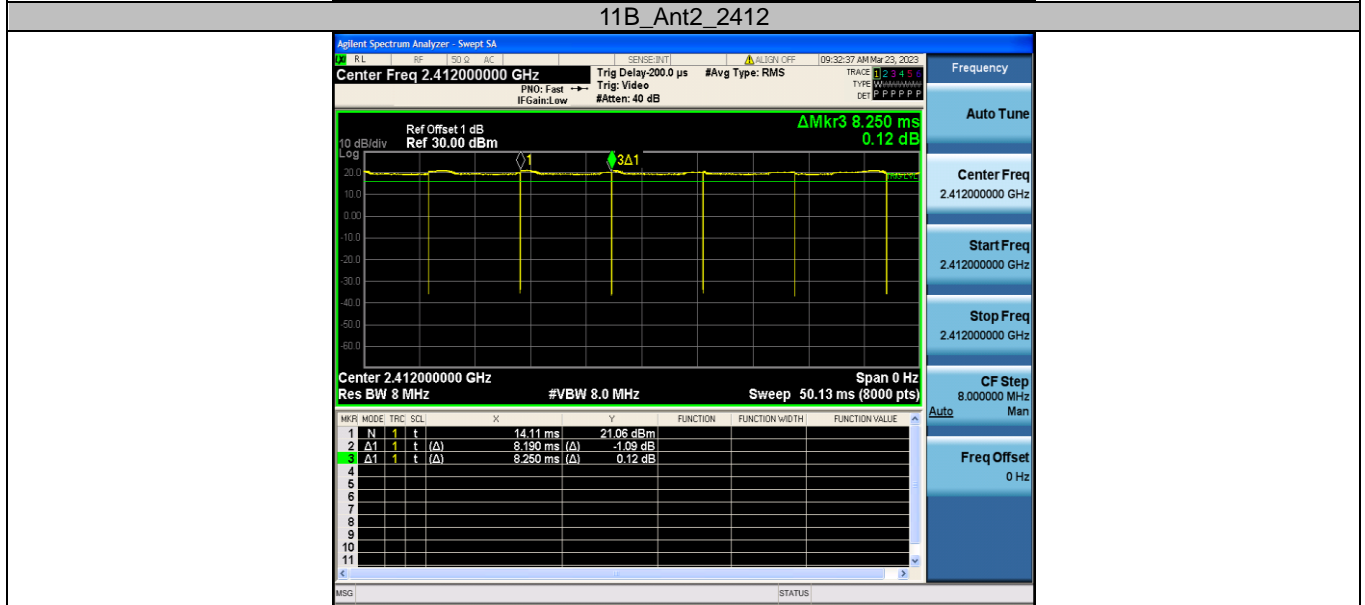
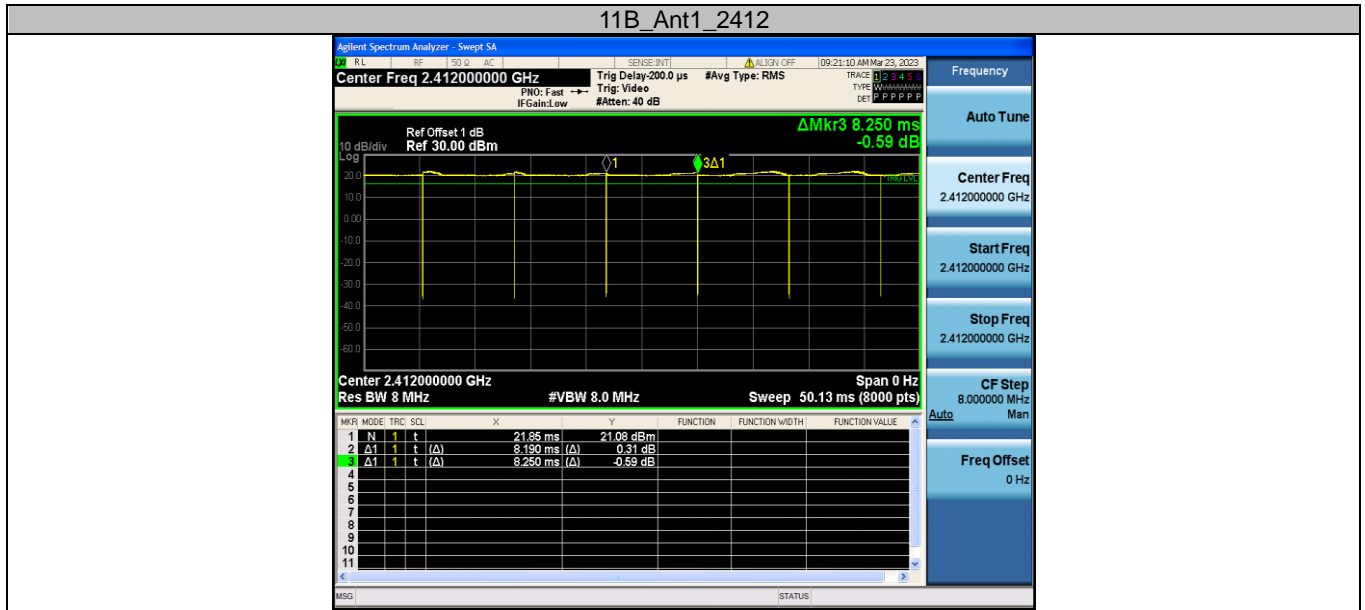
1. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram above.
2. The EUT was directly connected to the Spectrum Analyzer and antenna output port as show in the block diagram above. The measurement according to section 10.2 of KDB 558074 D01 DTS Meas Guidance v05r02.
3. Spectrum Setting:
Set analyzer center frequency to DTS channel center frequency.
Set the span to 0Hz
Set the RBW to 10MHz
Set the VBW to 10MHz
Detector: peak
Sweep time: auto
Allow trace to fully stabilize. Then use the peak marker function to determine the maximum amplitude level.

Test Mode

Please refer to the clause 2.4.

**Test Result**

TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	1/T Minimum VBW (kHz)	Final setting For VBW (kHz)
11B	Ant1	2412	8.19	8.25	99.27	0.12	1
	Ant2	2412	8.19	8.25	99.27	0.12	1
	Ant1	2437	8.19	8.24	99.39	0.12	1
	Ant2	2437	8.19	8.25	99.27	0.12	1
	Ant1	2462	8.19	8.25	99.27	0.12	1
	Ant2	2462	8.20	8.25	99.39	0.12	1
11G	Ant1	2412	1.36	1.41	96.45	0.74	1
	Ant2	2412	1.36	1.41	96.45	0.74	1
	Ant1	2437	1.35	1.41	95.74	0.74	1
	Ant2	2437	1.36	1.41	96.45	0.74	1
	Ant1	2462	1.36	1.41	96.45	0.74	1
	Ant2	2462	1.36	1.41	96.45	0.74	1
11N20MIMO	Ant1	2412	1.27	1.33	95.49	0.79	1
	Ant2	2412	1.28	1.33	96.24	0.78	1
	Ant1	2437	1.27	1.32	96.21	0.79	1
	Ant2	2437	1.27	1.32	96.21	0.79	1
	Ant1	2462	1.28	1.33	96.24	0.78	1
	Ant2	2462	1.27	1.32	96.21	0.79	1
11N40MIMO	Ant1	2422	0.63	0.68	92.65	1.59	2
	Ant2	2422	0.63	0.69	91.30	1.59	2
	Ant1	2437	0.63	0.68	92.65	1.59	2
	Ant2	2437	0.64	0.69	92.75	1.56	2
	Ant1	2452	0.63	0.68	92.65	1.59	2
	Ant2	2452	0.63	0.69	91.30	1.59	2



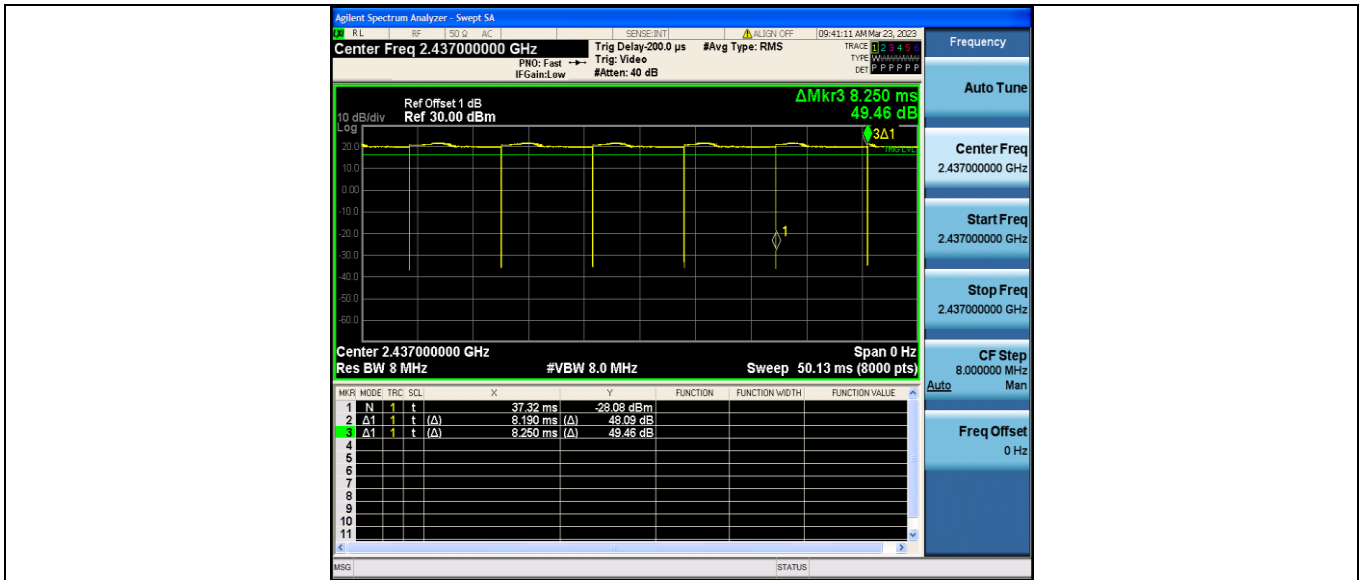
11B_Ant2_2437

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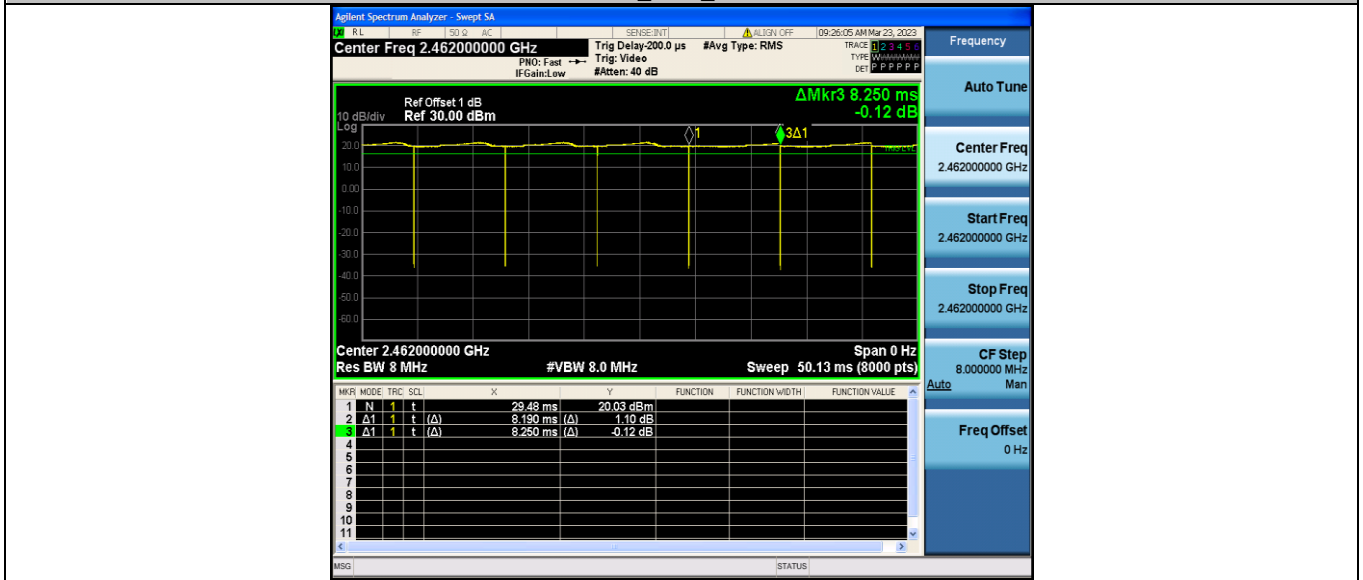
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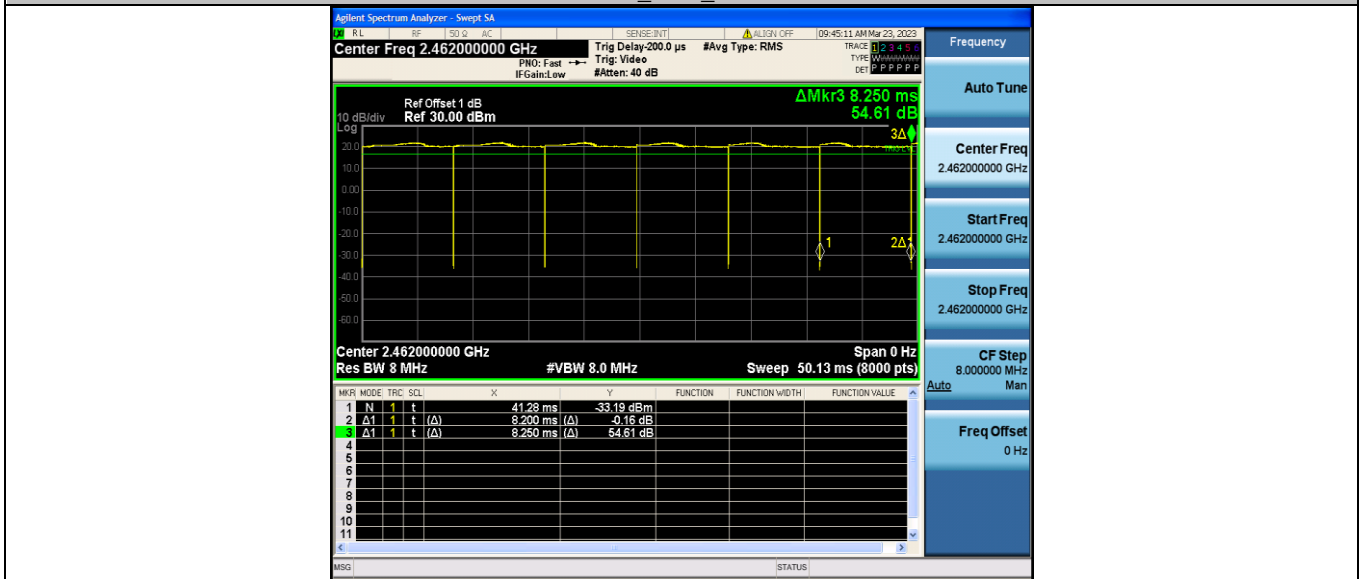
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11B_Ant1_2462



11B_Ant2_2462



11G_Ant1_2412

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