



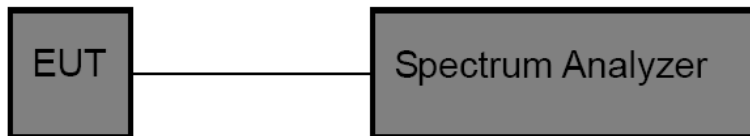
3.5. DTS Bandwidth

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)
DTS Bandwidth	≥ 500 kHz (6dB bandwidth)	2400~2483.5

Test Configuration



Test Procedure

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

Test Mode	Antenna	Channel Frequency[MHz]	OCB [MHz]	DTS BW [MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	14.588	10.000	0.5	PASS
	Ant2	2412	14.608	10.080	0.5	PASS
	Ant1	2437	14.556	10.080	0.5	PASS
	Ant2	2437	14.594	10.080	0.5	PASS
	Ant1	2462	14.567	9.760	0.5	PASS
	Ant2	2462	14.584	10.040	0.5	PASS
11G	Ant1	2412	16.324	14.600	0.5	PASS
	Ant2	2412	16.343	15.440	0.5	PASS
	Ant1	2437	16.336	16.040	0.5	PASS
	Ant2	2437	16.319	16.320	0.5	PASS
	Ant1	2462	16.326	15.120	0.5	PASS
	Ant2	2462	16.343	15.040	0.5	PASS
11N20MIMO	Ant1	2412	17.479	15.920	0.5	PASS
	Ant2	2412	17.478	16.640	0.5	PASS
	Ant1	2437	17.467	14.400	0.5	PASS
	Ant2	2437	17.489	13.120	0.5	PASS
	Ant1	2462	17.502	15.160	0.5	PASS
	Ant2	2462	17.489	14.640	0.5	PASS
11N40MIMO	Ant1	2422	35.756	34.960	0.5	PASS
	Ant2	2422	35.764	35.040	0.5	PASS
	Ant1	2437	35.827	34.960	0.5	PASS
	Ant2	2437	35.748	33.680	0.5	PASS
	Ant1	2452	35.762	35.040	0.5	PASS
	Ant2	2452	35.808	32.480	0.5	PASS

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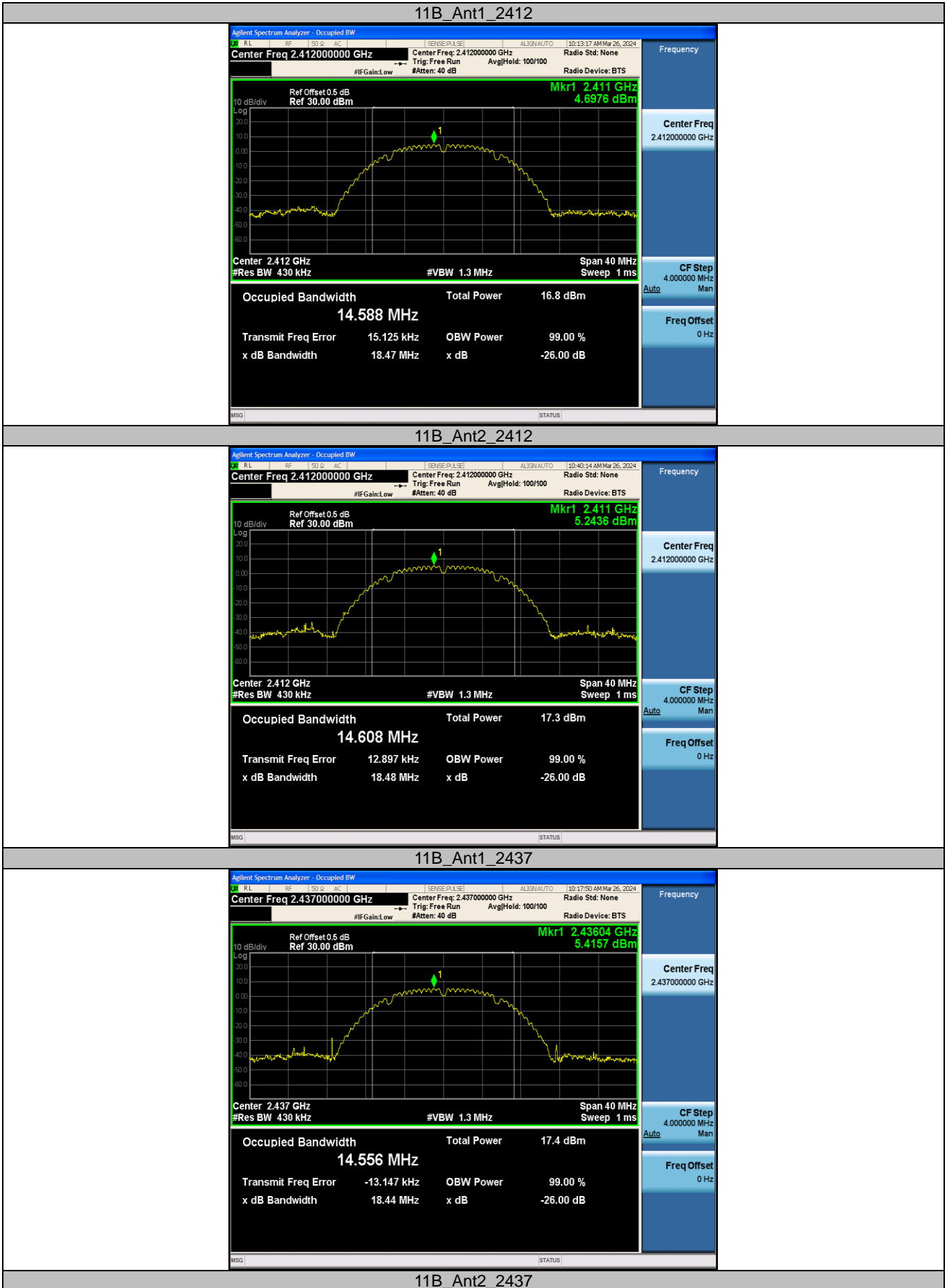
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Occupied Bandwidth:

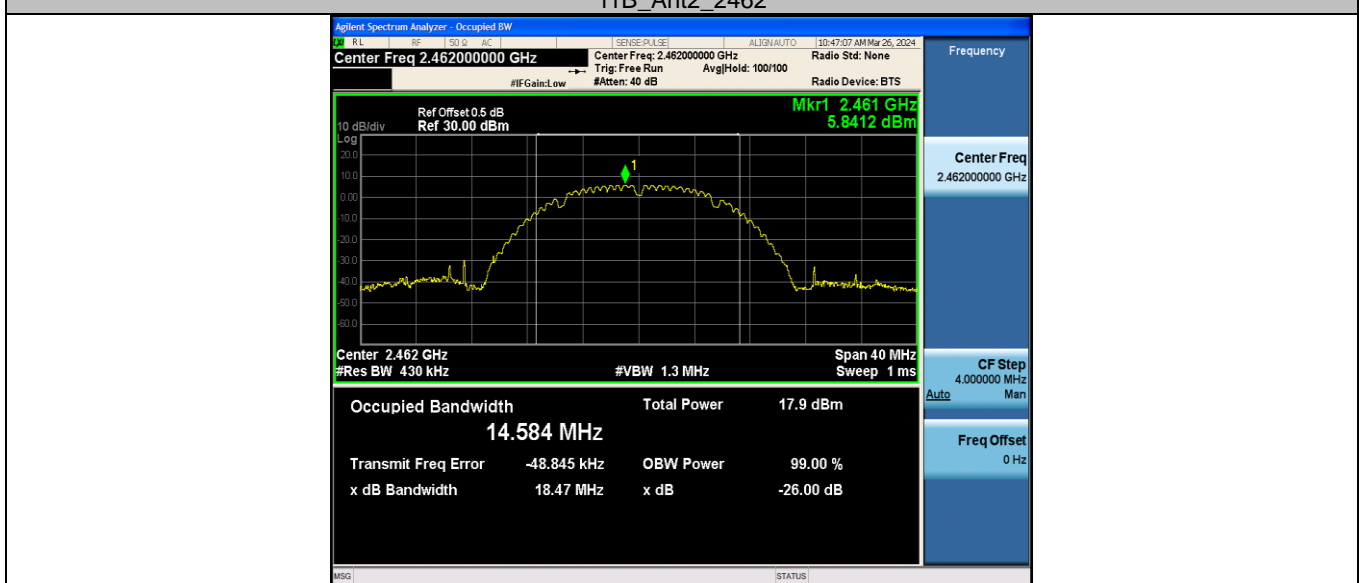
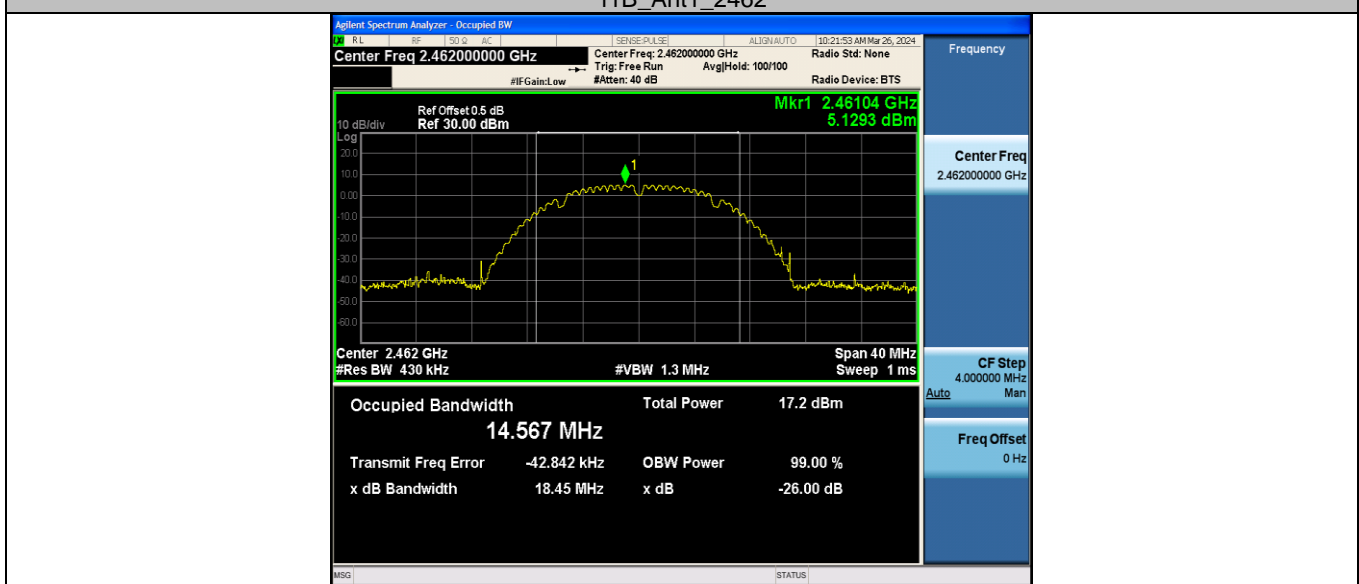
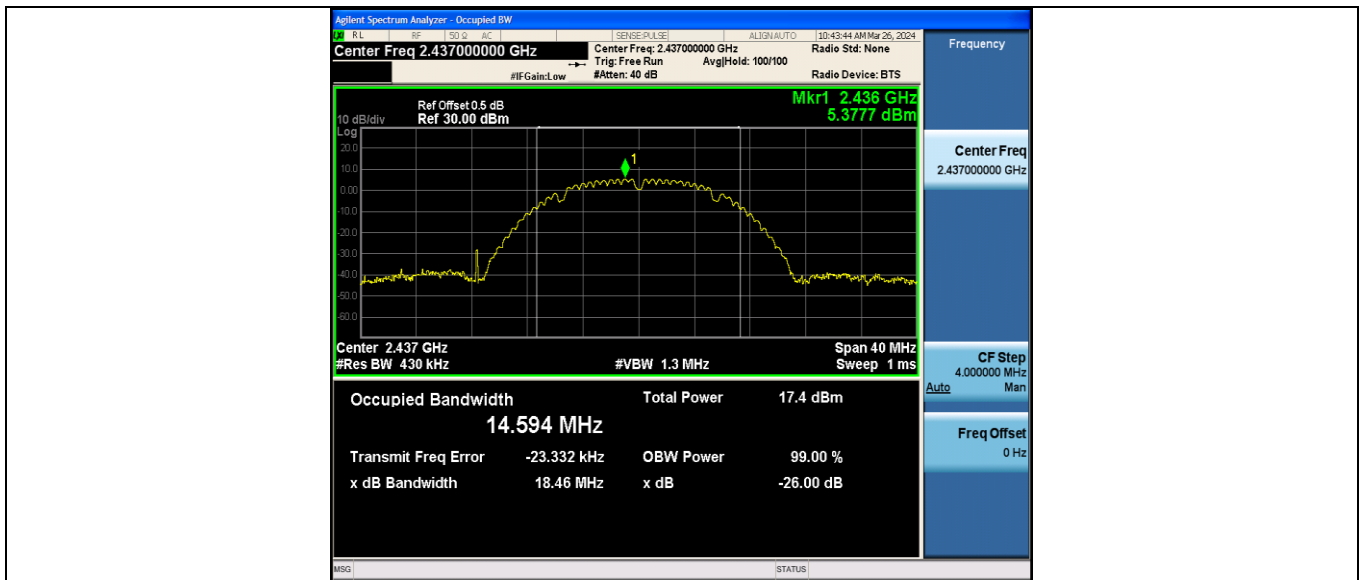


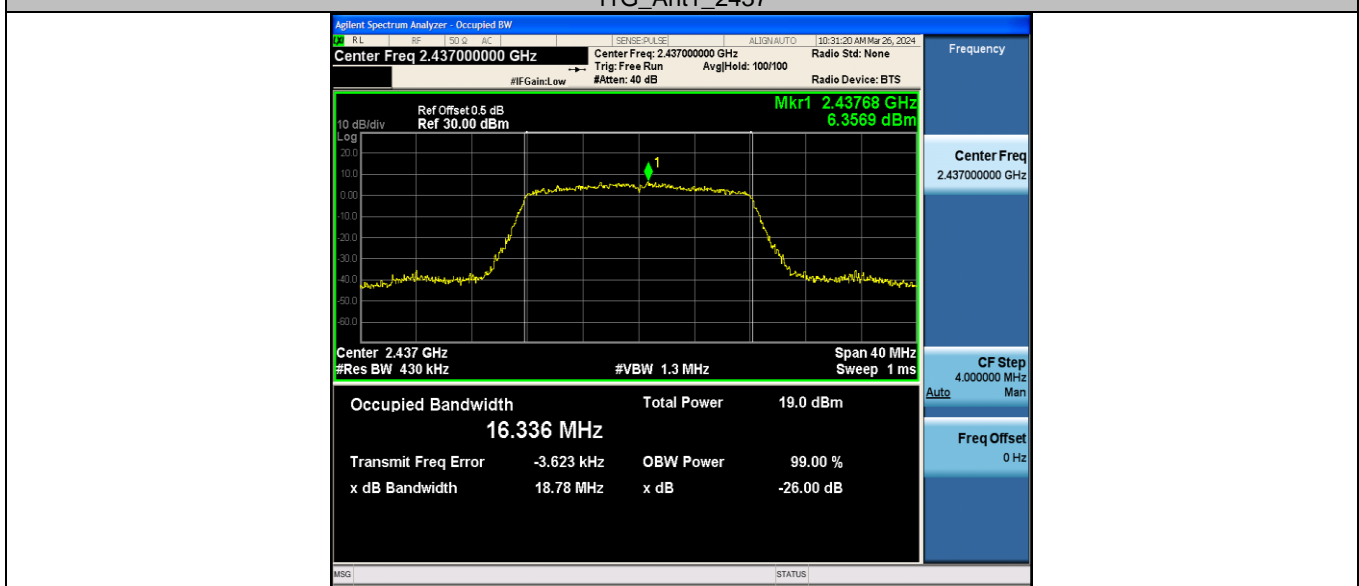
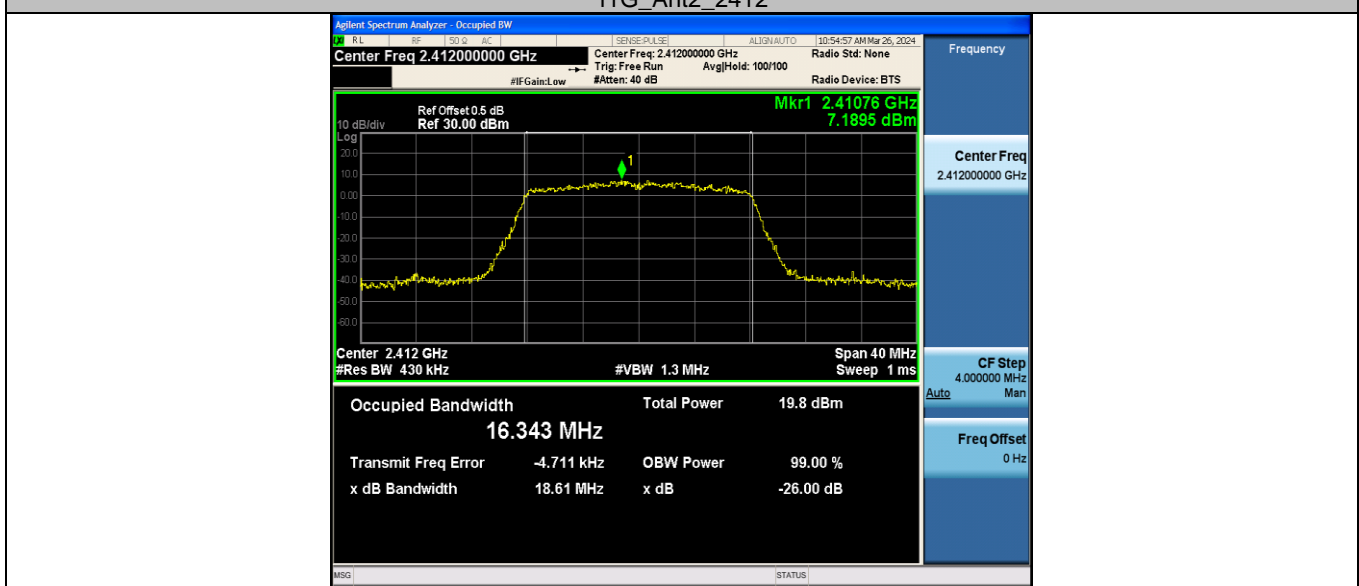
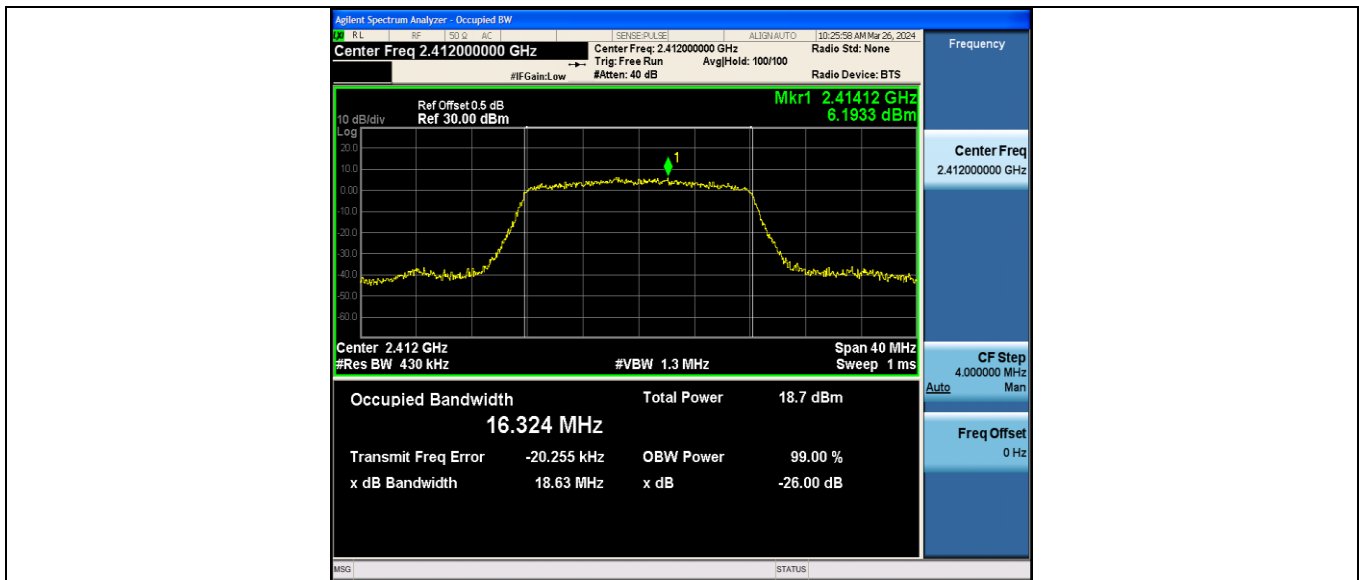
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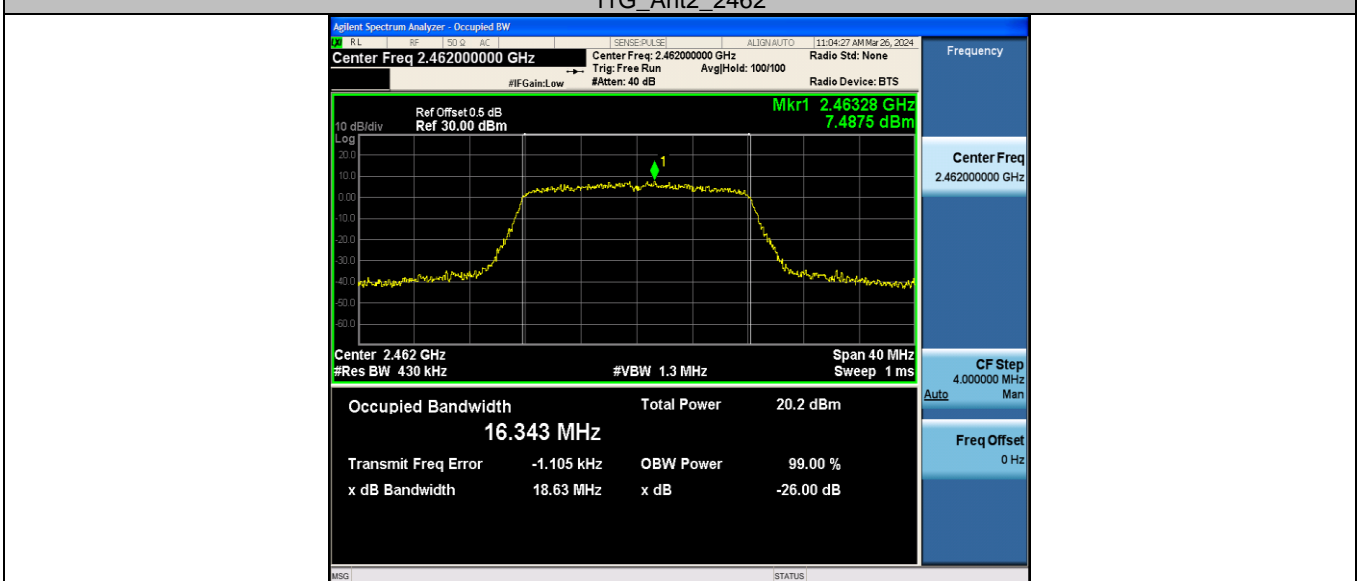
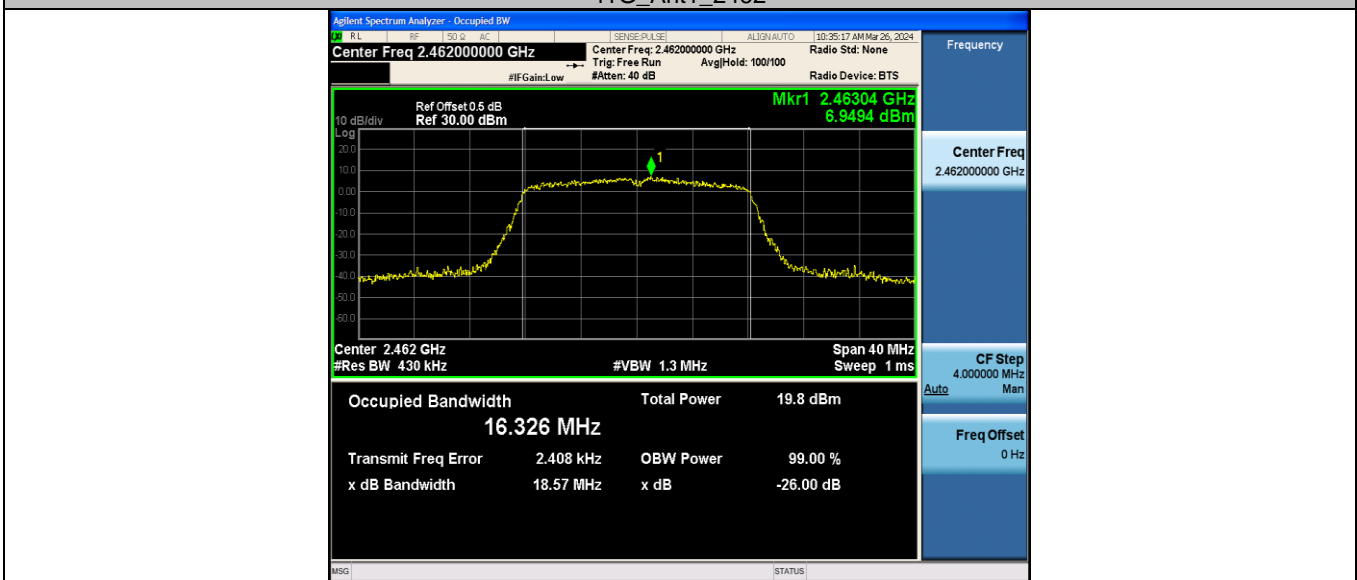
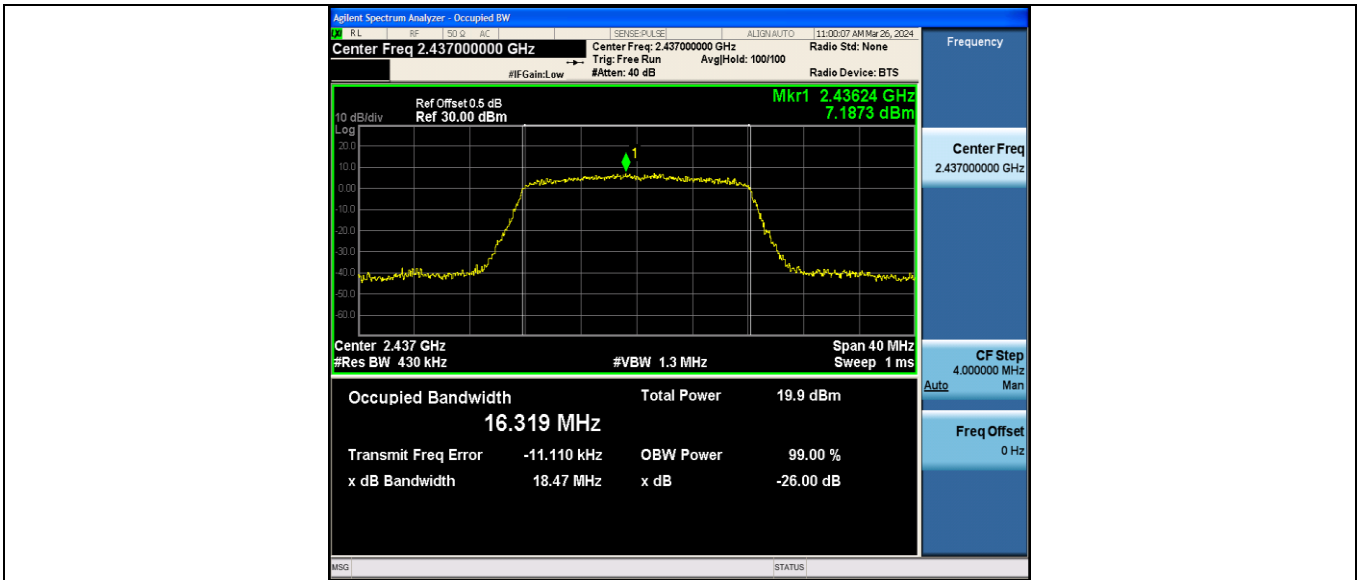
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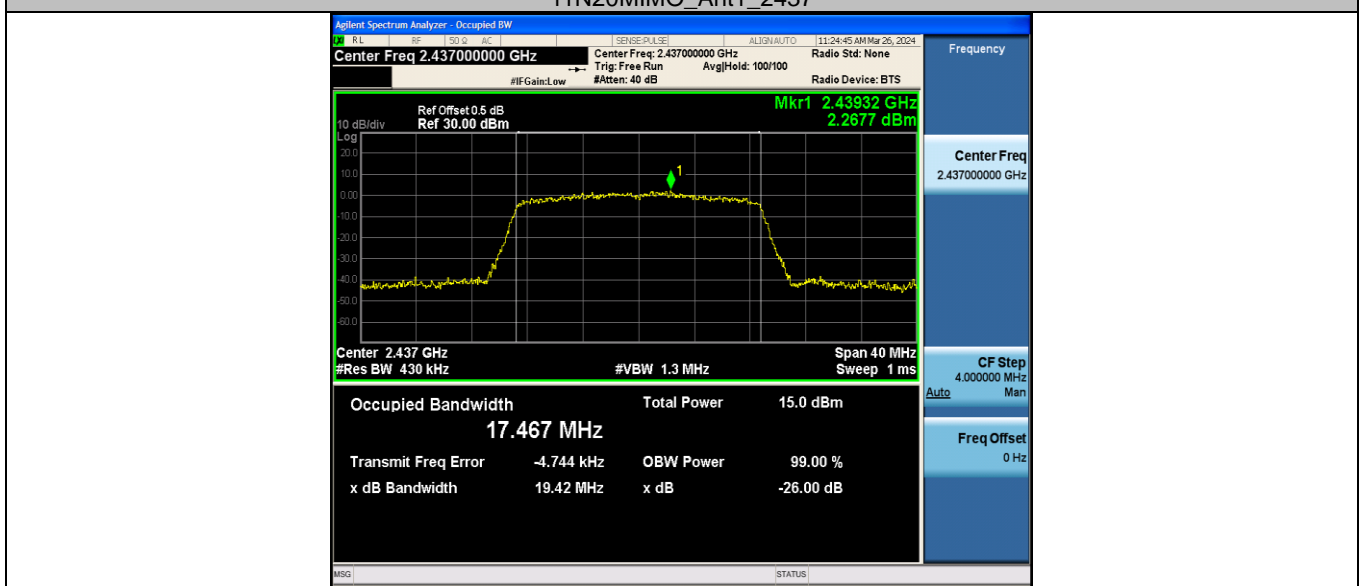
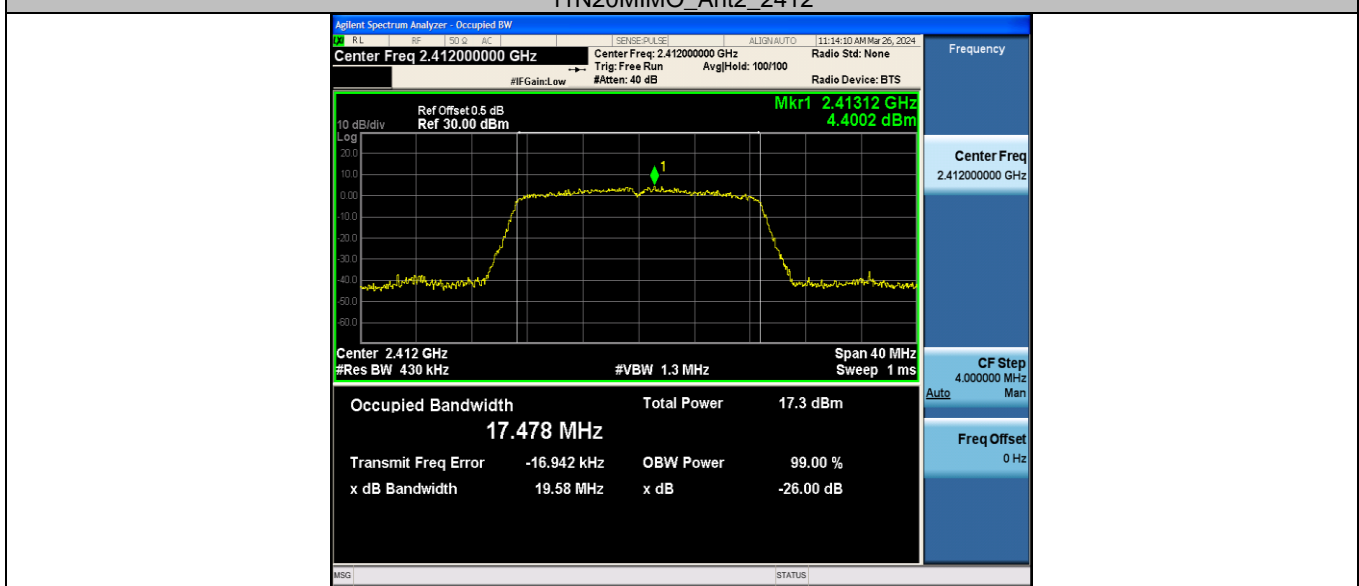
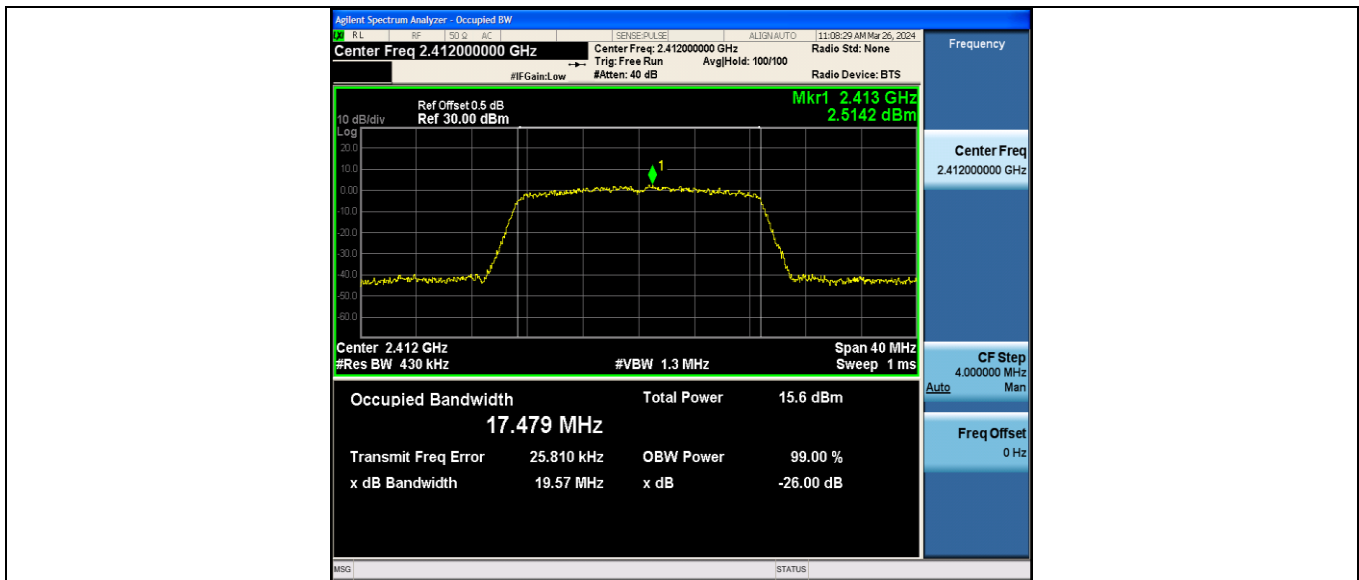


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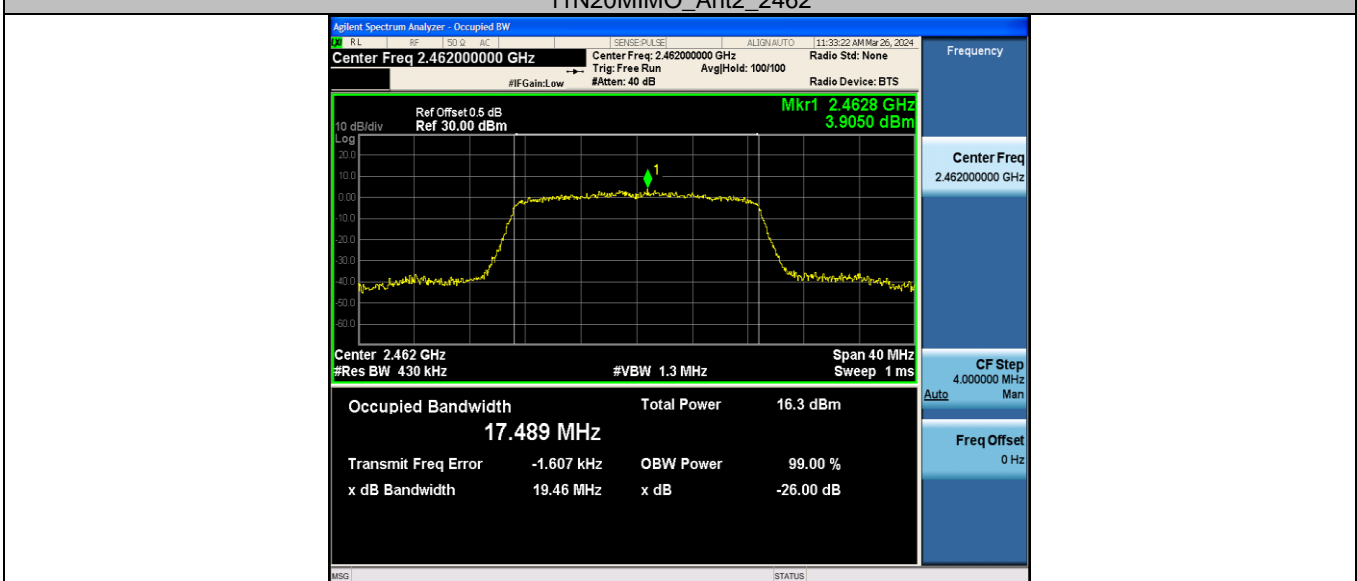
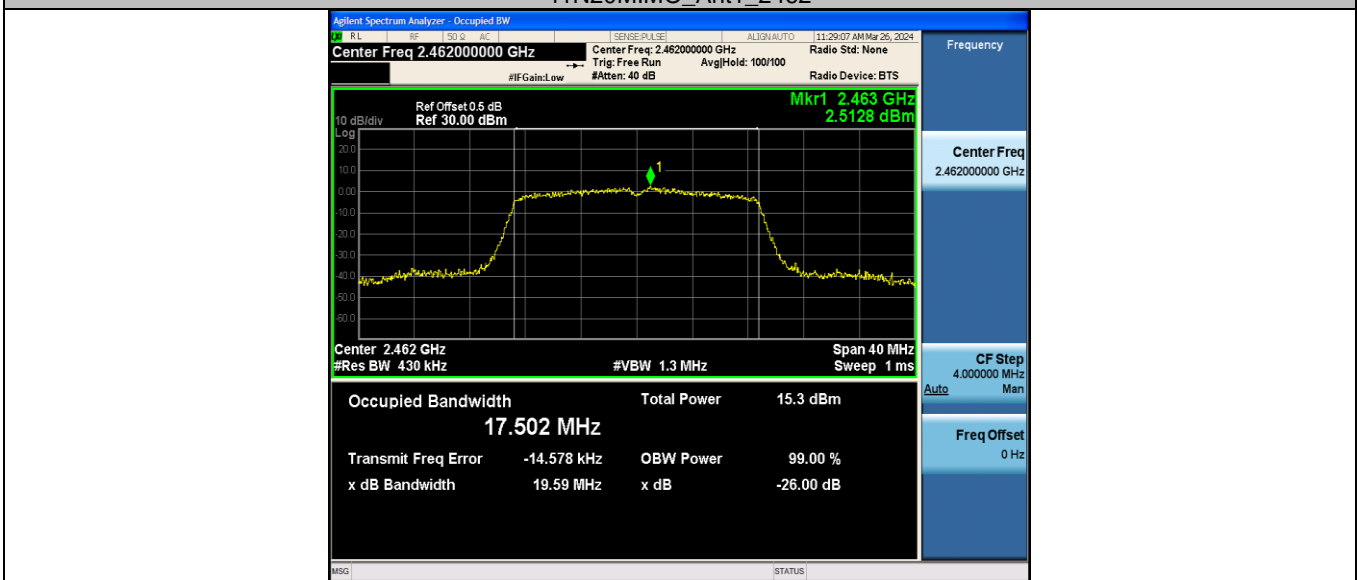
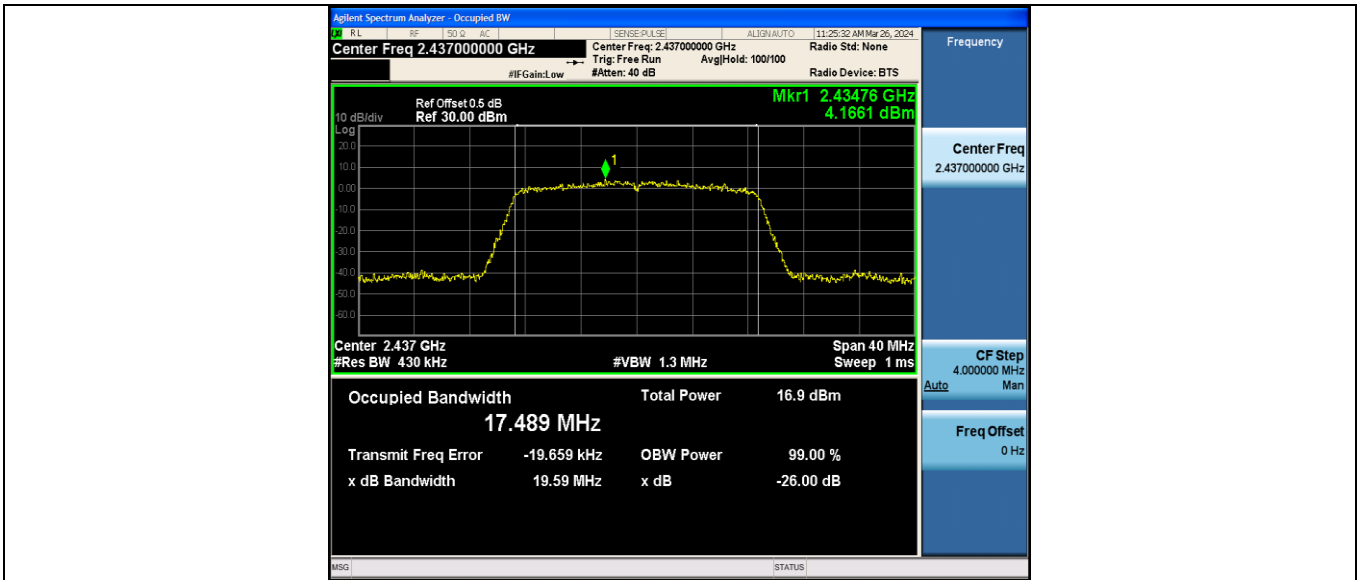


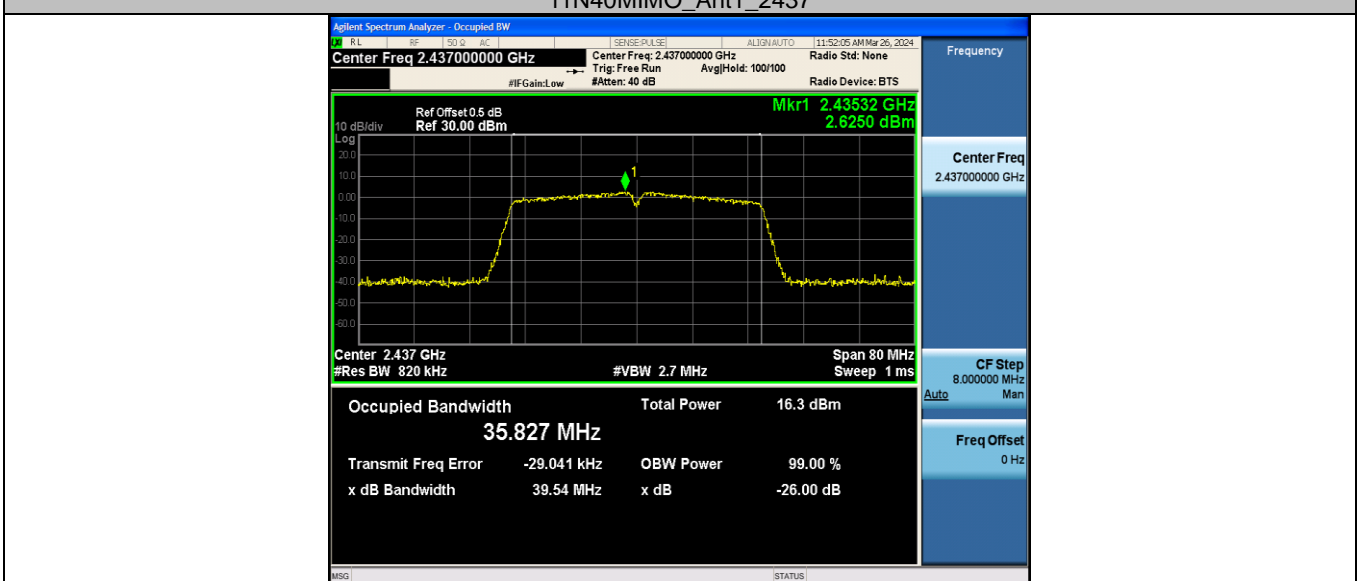
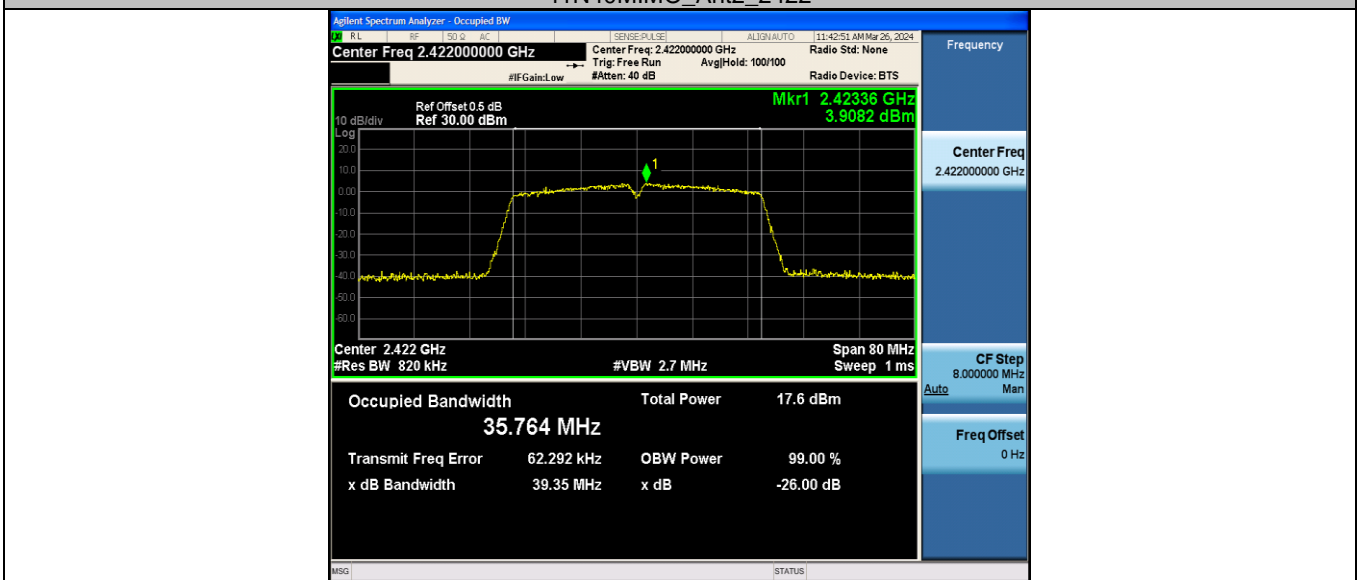
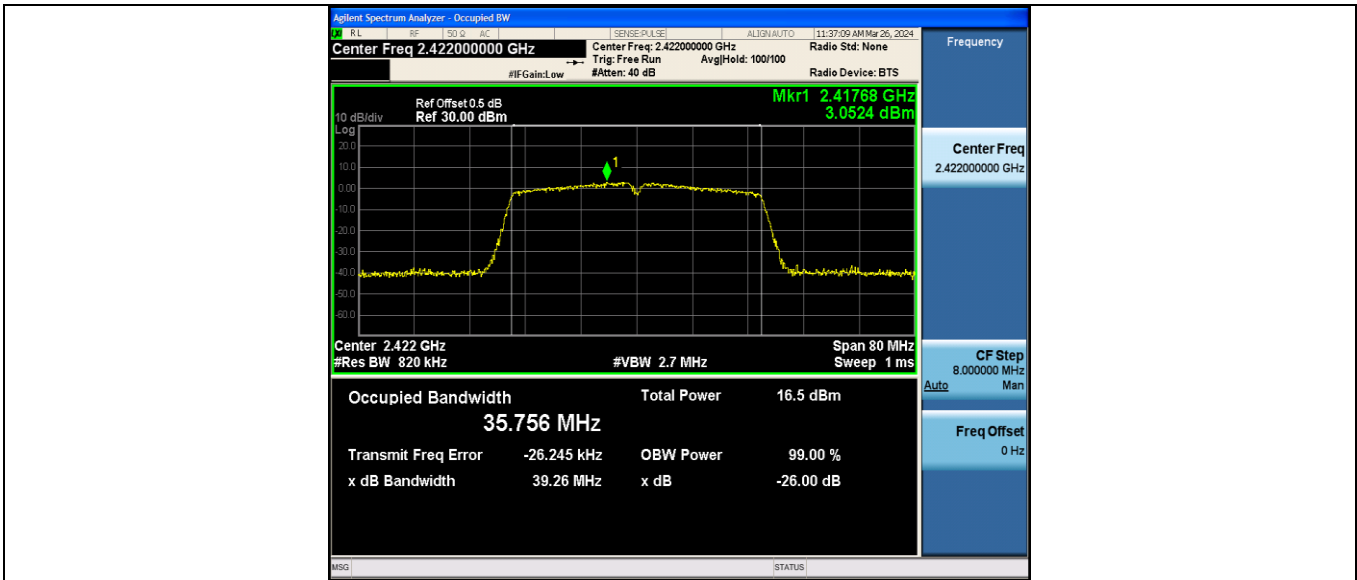




11N20MIMO_Ant2_2437







11N40MIMO_Ant2_2437

