

11AX20SISO_Ant1_2462



11AX20SISO_Ant2_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant2_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant2_2437



11AX40SISO_Ant1_2452



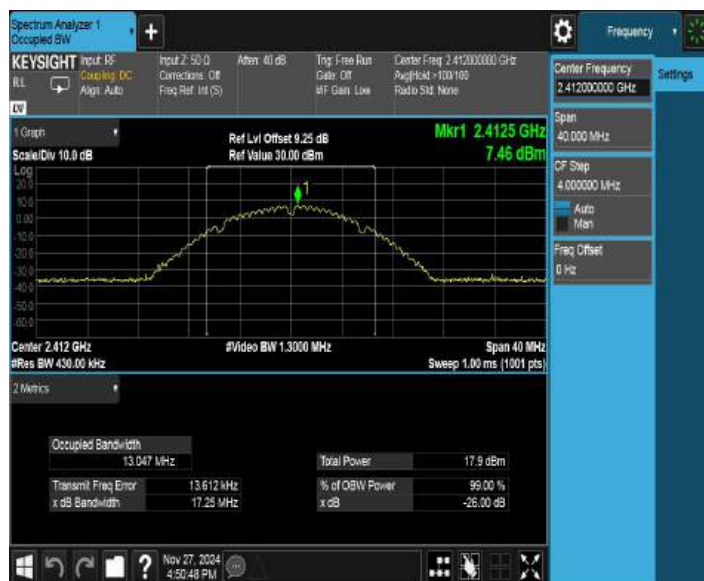
11AX40SISO_Ant2_2452



11B-CDD_Ant1_2412



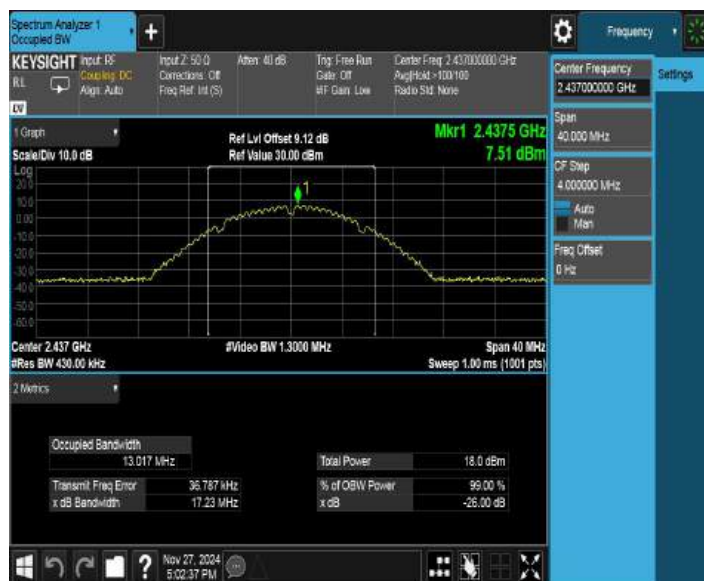
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11B-CDD_Ant1_2437



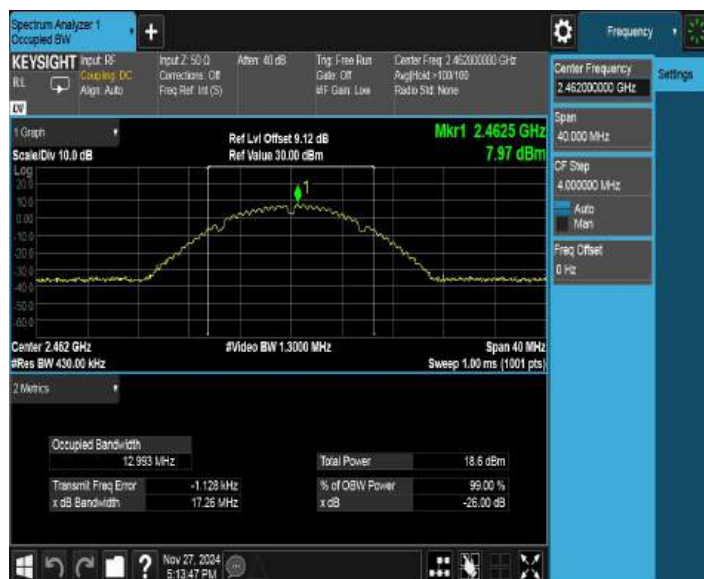
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11B-CDD_Ant1_2462



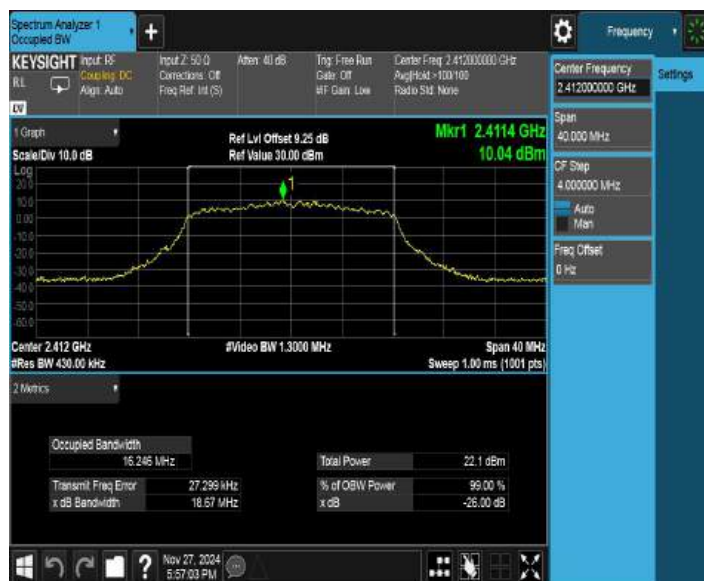
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11G-CDD_Ant1_2412



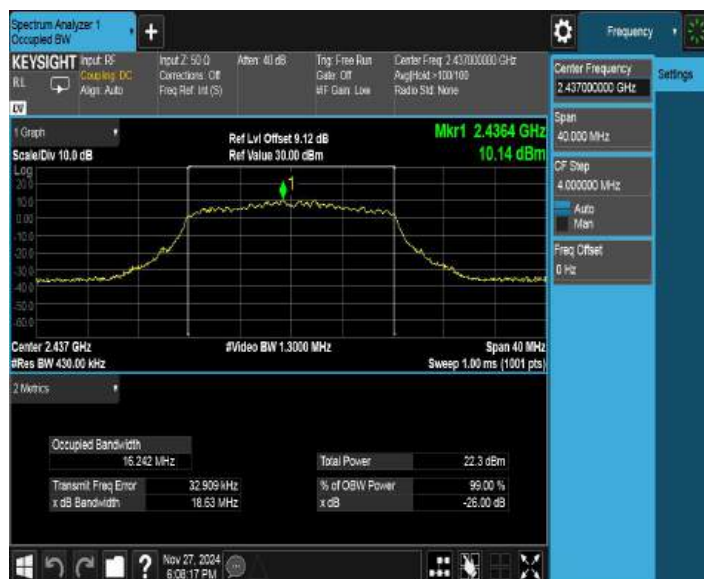
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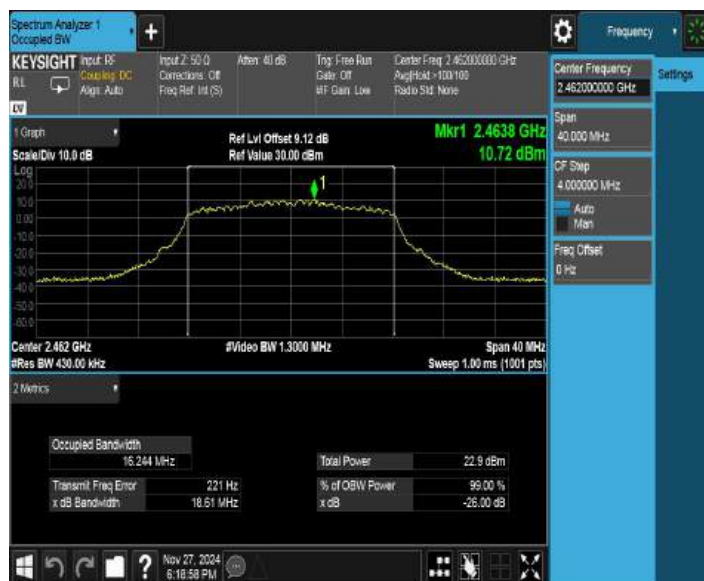
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11G-CDD_Ant1_2462



11G-CDD_Ant2_2462



11N20MIMO_Ant1_2412



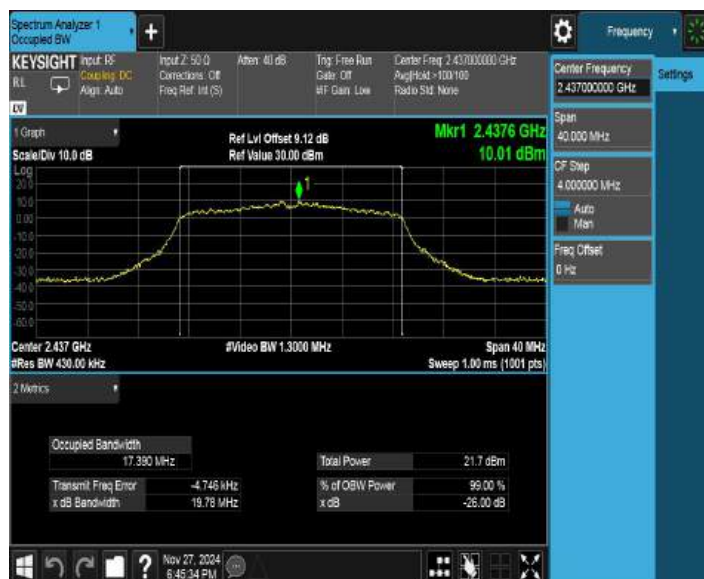
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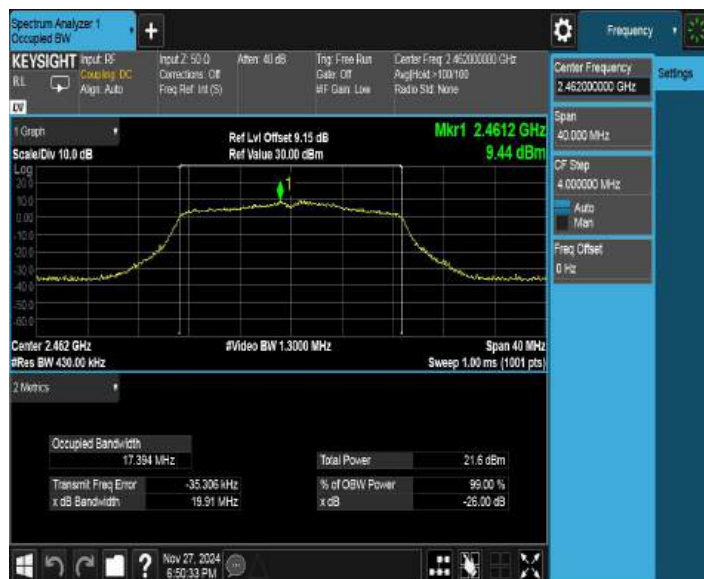
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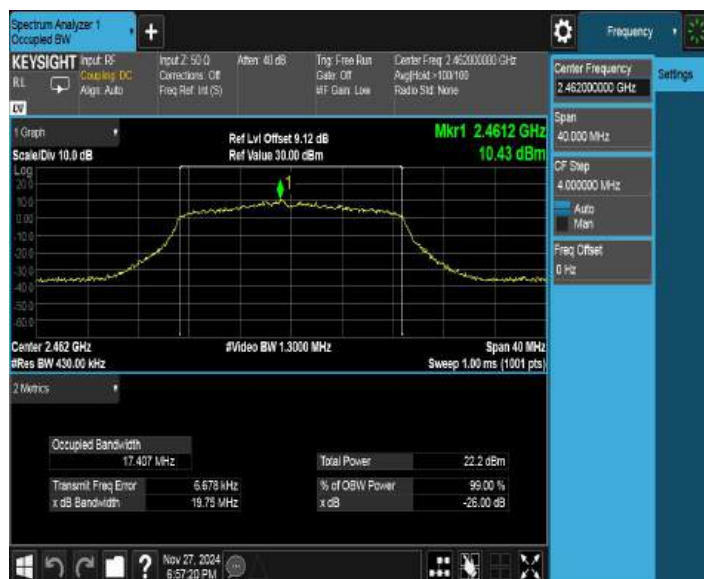
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11N20MIMO_Ant1_2462



11N20MIMO_Ant2_2462



11N40MIMO_Ant1_2422



11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437



11N40MIMO_Ant2_2437



11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



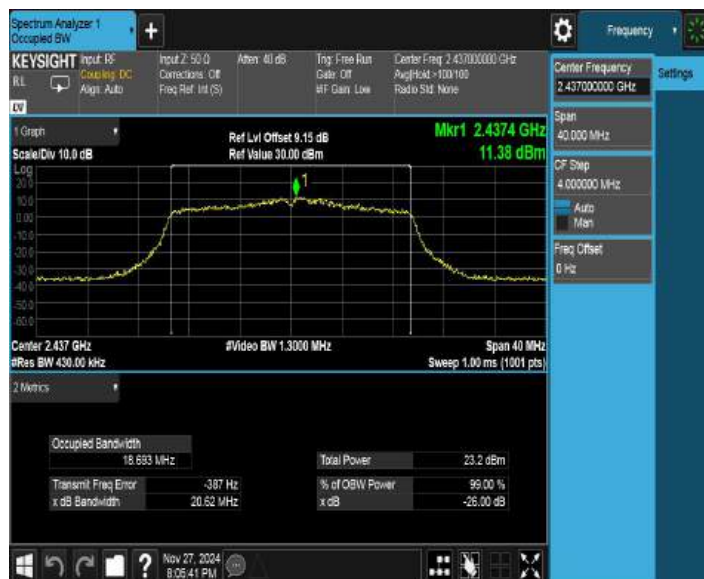
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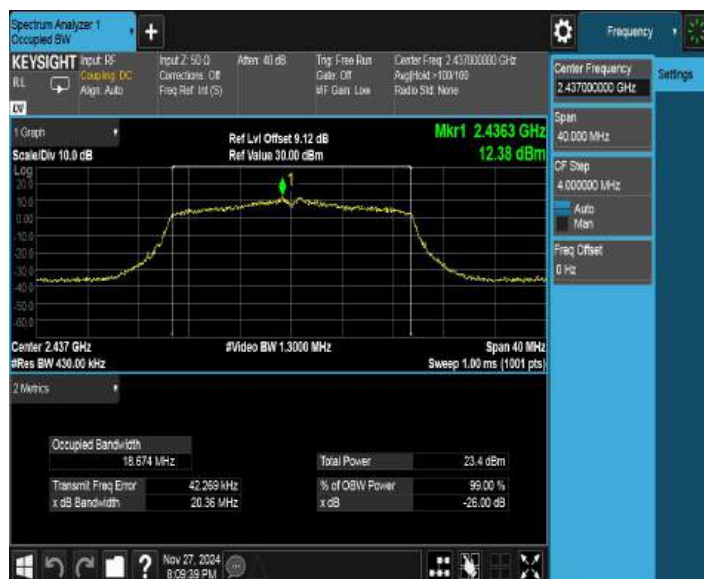
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11AX20MIMO_Ant1_2437



11AX20MIMO_Ant2_2437



11AX20MIMO_Ant1_2462



11AX20MIMO_Ant2_2462



11AX40MIMO_Ant1_2422



11AX40MIMO_Ant2_2422



11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452



7.3. Output Power Measurement

7.3.1. Test Limit

The maximum conducted output power is 1 Watt. And for antenna gain greater than 6dBi the limit shall reduce by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

7.3.2. Test Procedure Used

ANSI C63.10-2013 – Section 11.9.2.2.4

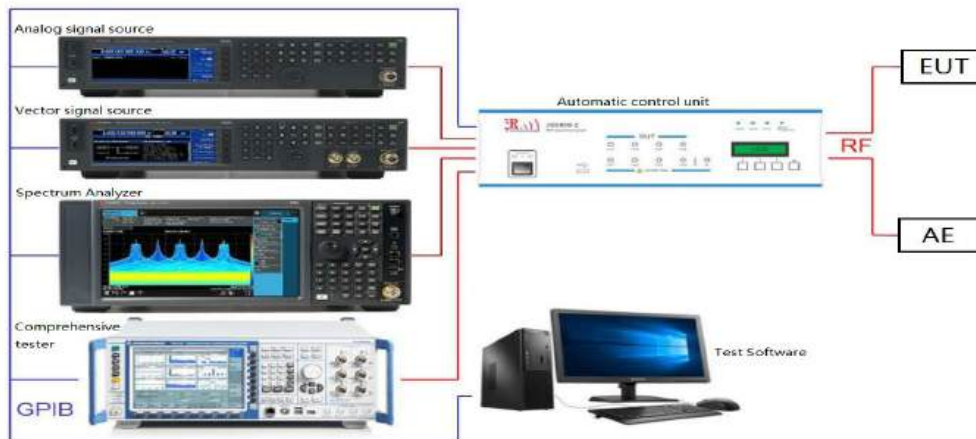
KDB 558074 D01 v05r02 – Section 8.3.2.2

7.3.3. Test Setting

1. Set span to at least 1.5 times the OBW..
2. Set RBW = 1% to 5% of the OBW, not to exceed 1 MHz.
3. Set VBW $\geq [3 \times \text{RBW}]$.
4. Number of points in sweep $\geq [2 \times \text{span} / \text{RBW}]$. (This gives bin-to-bin spacing $\text{RBW} / 2$, so that narrowband signals are not lost between frequency bins.)
5. Sweep time = auto.
6. Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
7. Do not use sweep triggering. Allow the sweep to “free run.”
8. Trace average at least 100 traces in power averaging (rms) mode; however, the number of traces to be averaged shall be increased above 100 as needed such that the average accurately represents the true average over the ON and OFF periods of the transmitter.
9. Compute power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function with band limits set equal to the OBW band edges. If the instrument does not have a band power function, then sum the spectrum levels (in power units) at intervals equal to the RBW extending across the entire OBW of the spectrum. 10. Add $[10 \log (1 / D)]$, where D is the duty cycle, to the measured power to compute the average power during the actual transmission times (because the measurement represents an average over both

the ON and OFF times of the transmission). For example, add $[10 \log (1/0.25)] = 6 \text{ dB}$ if the duty cycle is 25%.

7.3.4. Test Setup



7.3.5. Test Result of Output Power

Power output test was verified over all data rates of each mode shown as below, and then choose the maximum power output (yellow marker) for final test of each channel.

N _{TX}	Data Rate (Mbps)	
	802.11b	802.11g
1	1	6
1	2	9
1	5.5	12
1	11	18
1	--	24
1	--	36
1	--	48
1	--	54

N _{TX}	MCS Index for 802.11n	Data Rate (Mbps)			
		20MHz Bandwidth		40MHz Bandwidth	
		800ns GI	400ns GI	800ns GI	400ns GI
1	0	6.5	7.2	13.5	15.0
1	1	13.0	14.4	27.0	30.0
1	2	19.5	21.7	40.5	45.0
1	3	26.0	28.9	54.0	60.0
1	4	39.0	43.3	81.0	90.0
1	5	52.0	57.8	108.0	120.0
1	6	58.5	65.0	121.5	135.0
1	7	65.0	72.2	135.0	150.0
2	15	130.0	144.4	270.0	300.0

N _{TX}	MCS Index for 802.11ax	Data Rate (Mbps)			
		20MHz Bandwidth		40MHz Bandwidth	
		1600ns GI	800ns GI	1600ns GI	800ns GI
1	0	8.0	8.6	16.0	17.2
1	1	16.0	17.2	33.0	34.4
1	2	24.0	25.8	49.0	51.6
1	3	33.0	34.4	65.0	68.8
1	4	49.0	51.6	98.0	103.2

1	5	65.0	68.6	130.0	137.6
1	6	73.0	77.4	146.0	154.9
1	7	81.0	86.0	163.0	172.1
1	8	98.0	103.2	195.0	206.5
1	9	108.0	114.7	217.0	229.4
1	10	122.0	129.0	244.0	258.1
1	11	135.0	143.5	271.0	286.8
2	11	270.0	287.0	542.0	573.6

Note: Power output test was verified over all data rates of each mode shown as above, and then choose the maximum power output (yellow marker) for final test of each channel.

Test Result of Maximum conducted output power

Test Mode	Antenna	Frequency [MHz]	Average power [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	16.19	≤30.00	PASS
	Ant2	2412	16.66	≤30.00	PASS
	Ant1	2437	16.26	≤30.00	PASS
	Ant2	2437	16.71	≤30.00	PASS
	Ant1	2462	16.52	≤30.00	PASS
	Ant2	2462	17.74	≤30.00	PASS
11G	Ant1	2412	16.41	≤30.00	PASS
	Ant2	2412	16.99	≤30.00	PASS
	Ant1	2437	16.61	≤30.00	PASS
	Ant2	2437	16.95	≤30.00	PASS
	Ant1	2462	16.81	≤30.00	PASS
	Ant2	2462	17.65	≤30.00	PASS
11N20SISO	Ant1	2412	16.50	≤30.00	PASS
	Ant2	2412	16.62	≤30.00	PASS
	Ant1	2437	16.71	≤30.00	PASS
	Ant2	2437	16.54	≤30.00	PASS
	Ant1	2462	16.89	≤30.00	PASS
	Ant2	2462	17.24	≤30.00	PASS
11N40SISO	Ant1	2422	17.01	≤30.00	PASS
	Ant2	2422	17.06	≤30.00	PASS
	Ant1	2437	17.06	≤30.00	PASS
	Ant2	2437	17.12	≤30.00	PASS
	Ant1	2452	17.14	≤30.00	PASS
	Ant2	2452	17.23	≤30.00	PASS
11AX20SISO	Ant1	2412	16.62	≤30.00	PASS
	Ant2	2412	16.81	≤30.00	PASS
	Ant1	2437	16.86	≤30.00	PASS
	Ant2	2437	16.70	≤30.00	PASS
	Ant1	2462	17.07	≤30.00	PASS
	Ant2	2462	17.39	≤30.00	PASS
11AX40SISO	Ant1	2422	16.68	≤30.00	PASS
	Ant2	2422	16.77	≤30.00	PASS
	Ant1	2437	16.77	≤30.00	PASS

	Ant2	2437	16.81	≤30.00	PASS
	Ant1	2452	16.81	≤30.00	PASS
	Ant2	2452	16.95	≤30.00	PASS
11B-CDD	Ant1	2412	14.84	≤30.00	PASS
	Ant2	2412	14.87	≤30.00	PASS
	total	2412	17.87	≤30.00	PASS
	Ant1	2437	14.87	≤30.00	PASS
	Ant2	2437	14.96	≤30.00	PASS
	total	2437	17.93	≤30.00	PASS
	Ant1	2462	15.12	≤30.00	PASS
	Ant2	2462	15.60	≤30.00	PASS
	total	2462	18.38	≤30.00	PASS
11G-CDD	Ant1	2412	14.31	≤30.00	PASS
	Ant2	2412	14.25	≤30.00	PASS
	total	2412	17.29	≤30.00	PASS
	Ant1	2437	14.36	≤30.00	PASS
	Ant2	2437	14.33	≤30.00	PASS
	total	2437	17.36	≤30.00	PASS
	Ant1	2462	14.17	≤30.00	PASS
	Ant2	2462	14.94	≤30.00	PASS
	total	2462	17.58	≤30.00	PASS
11N20MIMO	Ant1	2412	13.63	≤30.00	PASS
	Ant2	2412	13.90	≤30.00	PASS
	total	2412	16.78	≤30.00	PASS
	Ant1	2437	13.68	≤30.00	PASS
	Ant2	2437	14.03	≤30.00	PASS
	total	2437	16.87	≤30.00	PASS
	Ant1	2462	14.13	≤30.00	PASS
	Ant2	2462	14.47	≤30.00	PASS
	total	2462	17.31	≤30.00	PASS
11N40MIMO	Ant1	2422	14.09	≤30.00	PASS
	Ant2	2422	14.36	≤30.00	PASS
	total	2422	17.24	≤30.00	PASS
	Ant1	2437	14.10	≤30.00	PASS
	Ant2	2437	14.39	≤30.00	PASS
	total	2437	17.26	≤30.00	PASS

	Ant1	2452	14.37	≤30.00	PASS
	Ant2	2452	14.40	≤30.00	PASS
	total	2452	17.40	≤30.00	PASS
11AX20MIMO	Ant1	2412	14.11	≤30.00	PASS
	Ant2	2412	14.02	≤30.00	PASS
	total	2412	17.08	≤30.00	PASS
	Ant1	2437	14.06	≤30.00	PASS
	Ant2	2437	14.11	≤30.00	PASS
	total	2437	17.10	≤30.00	PASS
	Ant1	2462	14.34	≤30.00	PASS
	Ant2	2462	14.53	≤30.00	PASS
	total	2462	17.45	≤30.00	PASS
11AX40MIMO	Ant1	2422	14.38	≤30.00	PASS
	Ant2	2422	14.60	≤30.00	PASS
	total	2422	17.50	≤30.00	PASS
	Ant1	2437	14.07	≤30.00	PASS
	Ant2	2437	14.10	≤30.00	PASS
	total	2437	17.10	≤30.00	PASS
	Ant1	2452	14.06	≤30.00	PASS
	Ant2	2452	14.04	≤30.00	PASS
	total	2452	17.06	≤30.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



11B_Ant2_2437



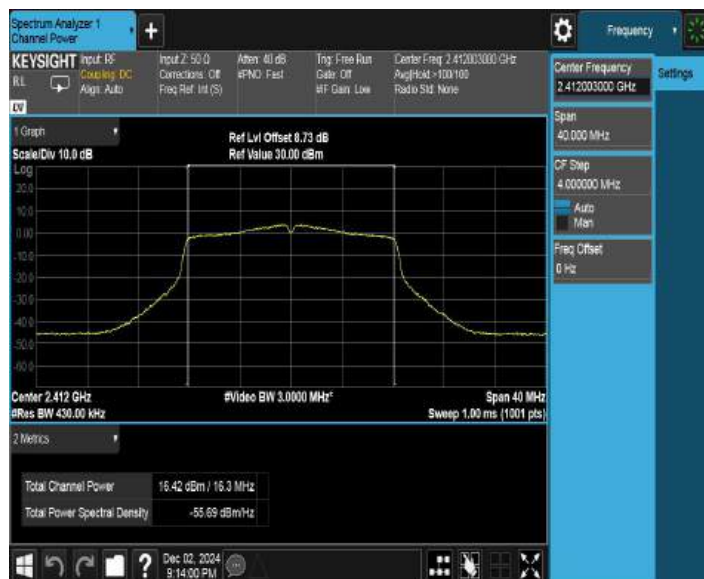
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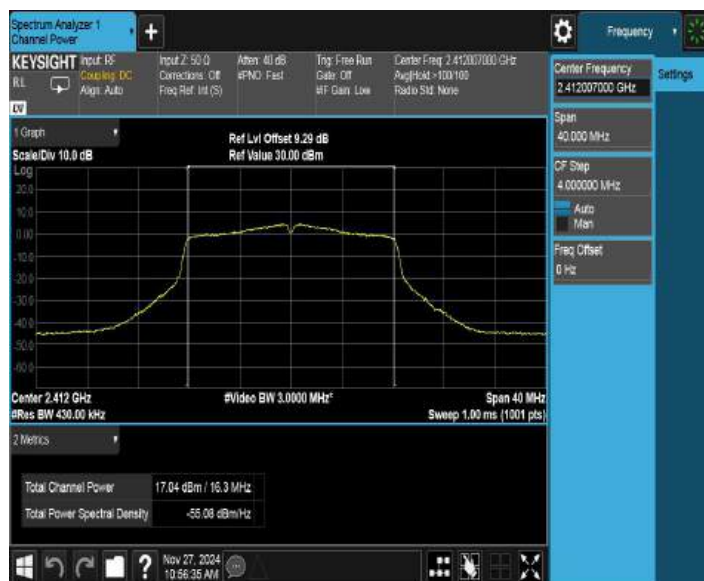
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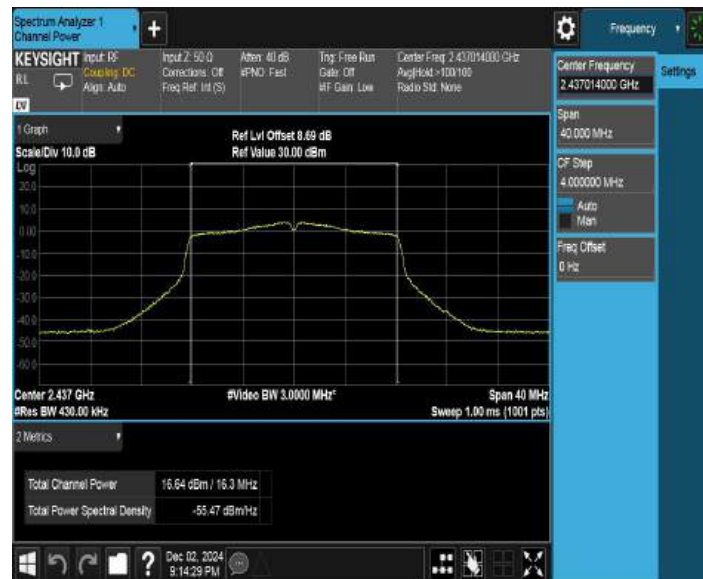
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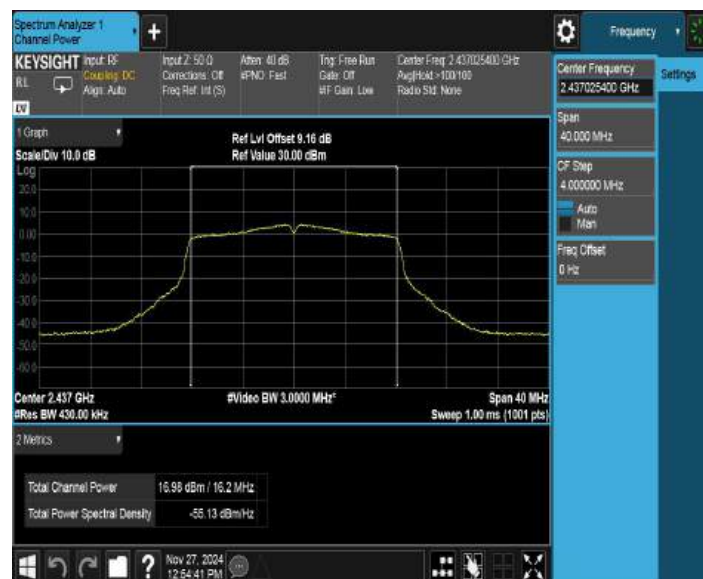
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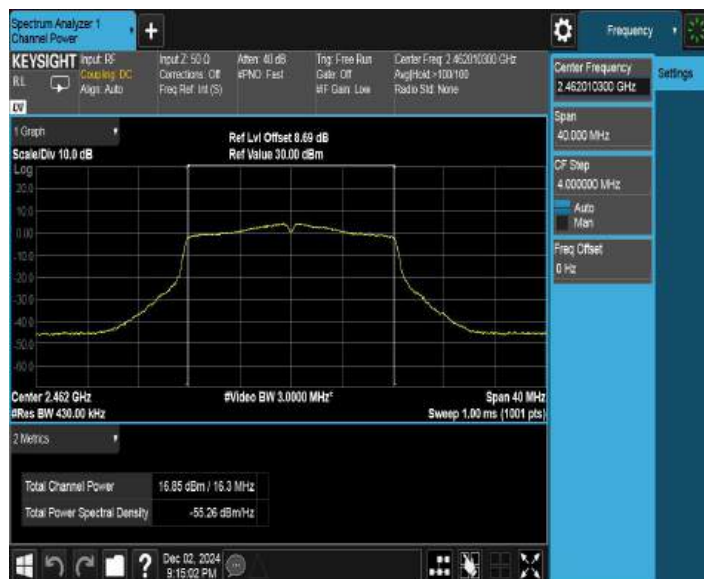
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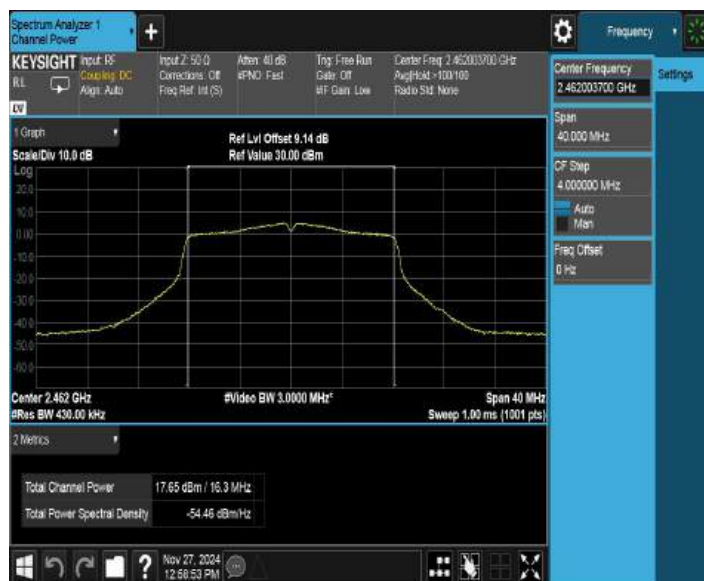
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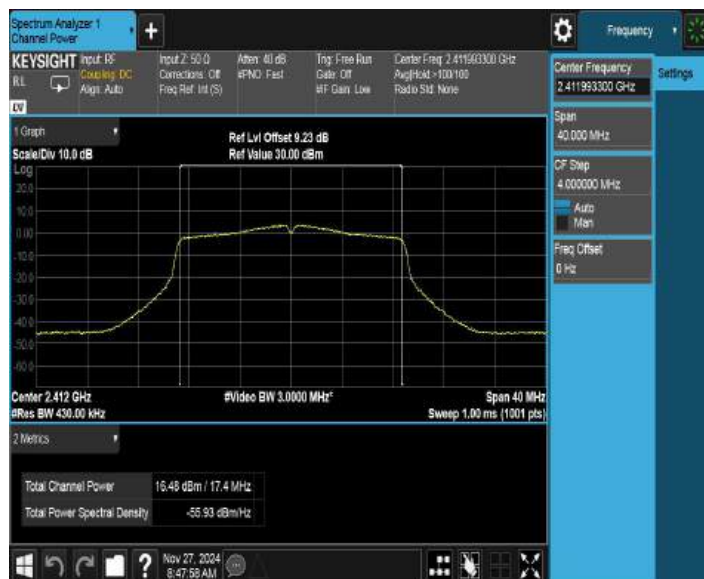
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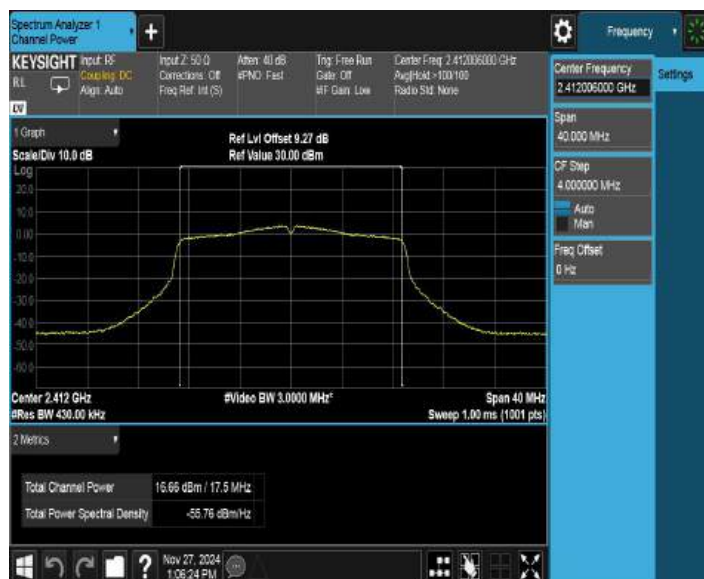
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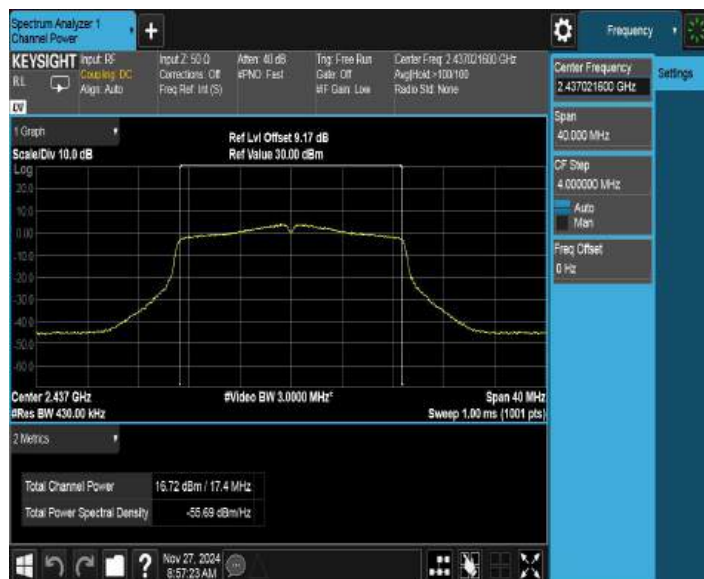
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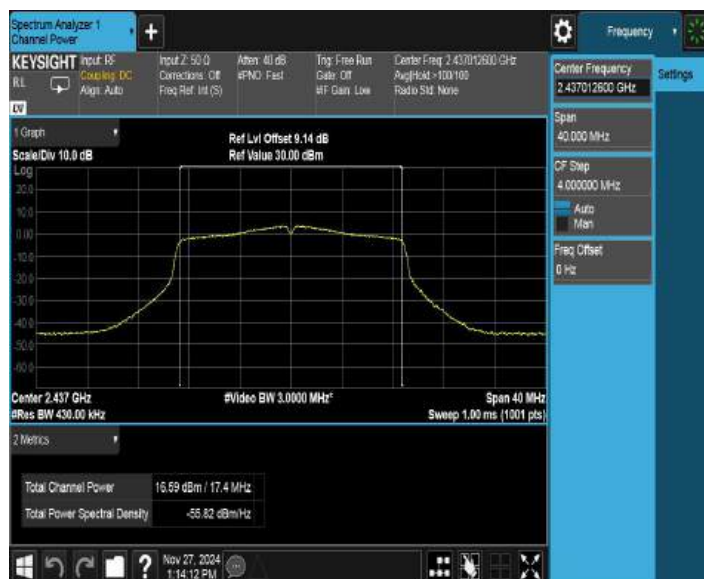
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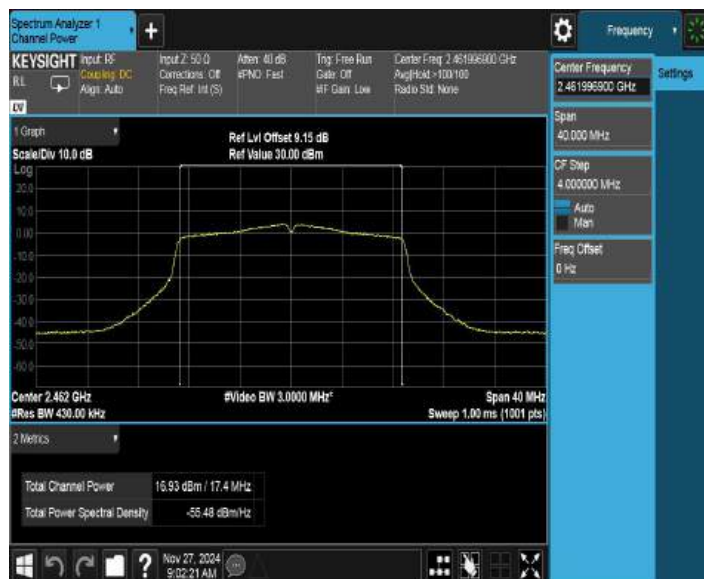
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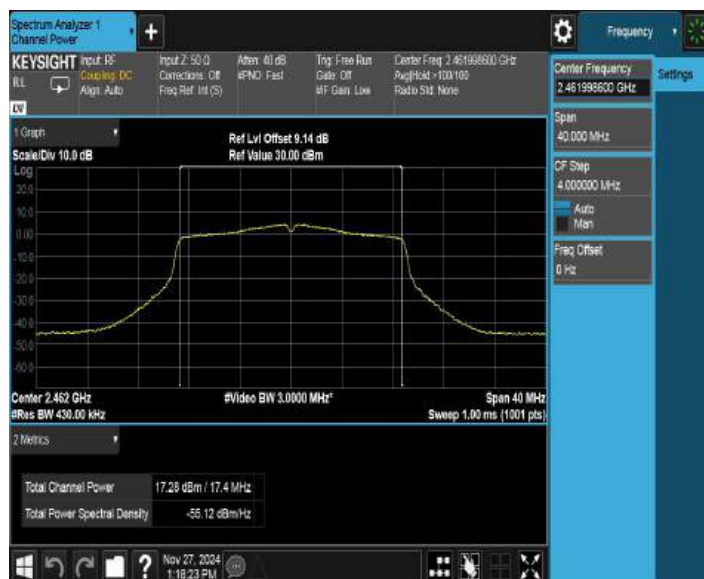
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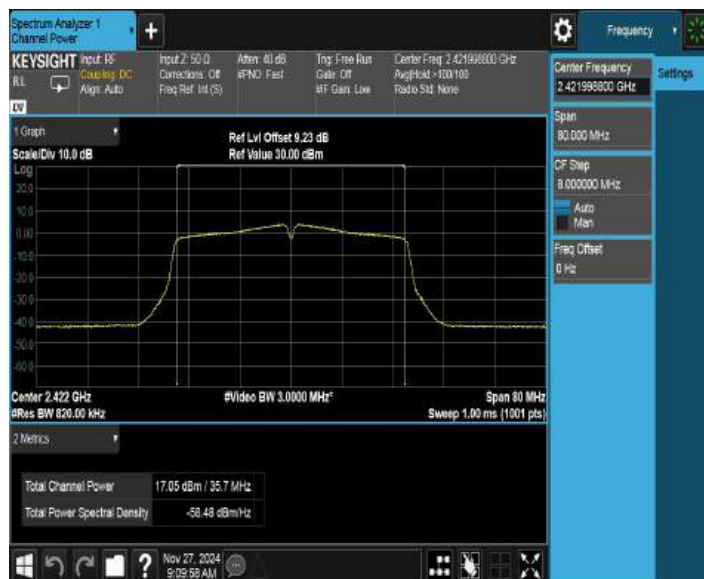
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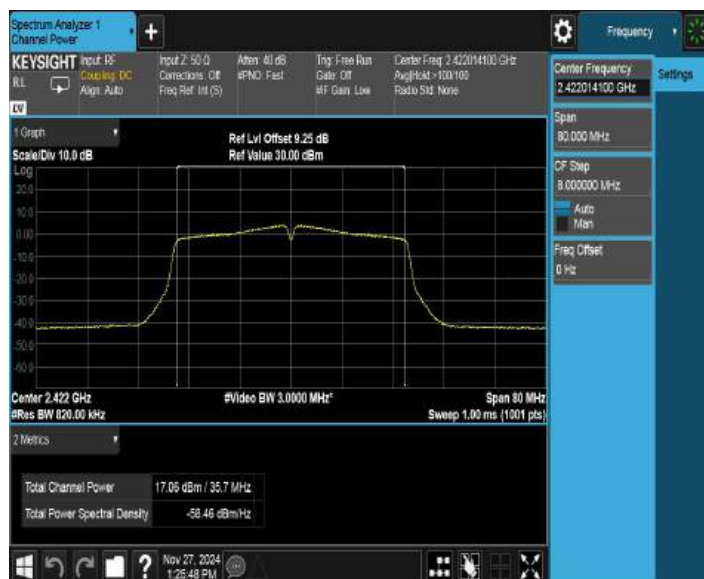
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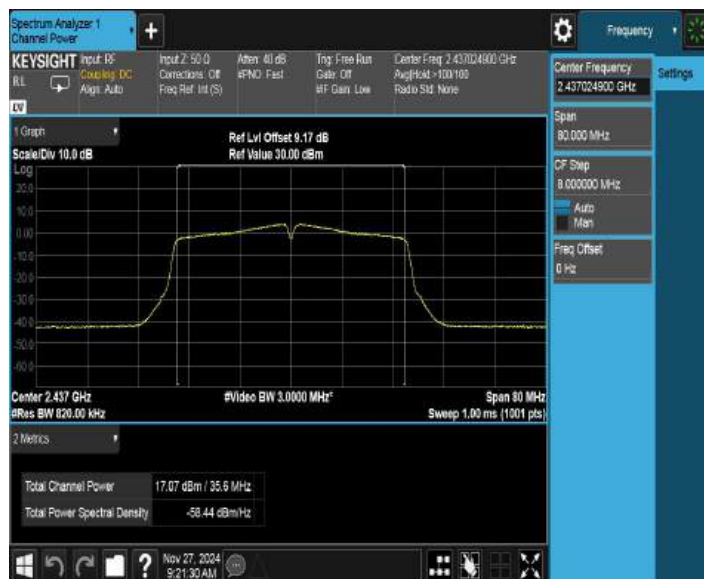
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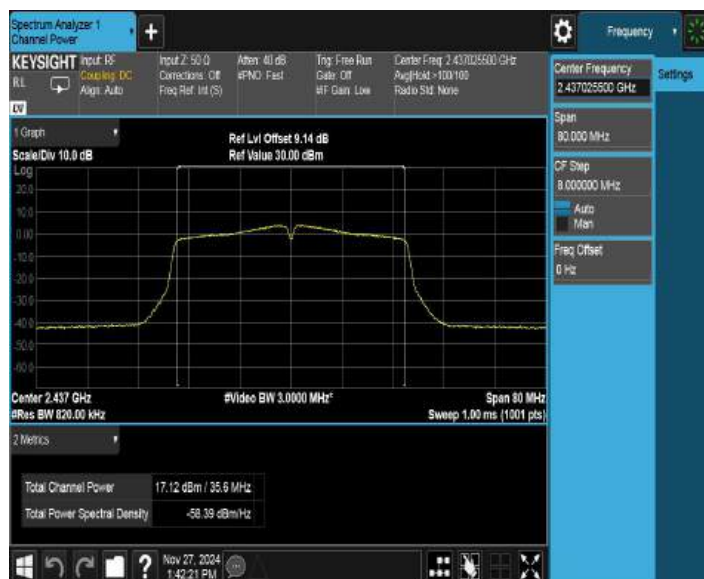
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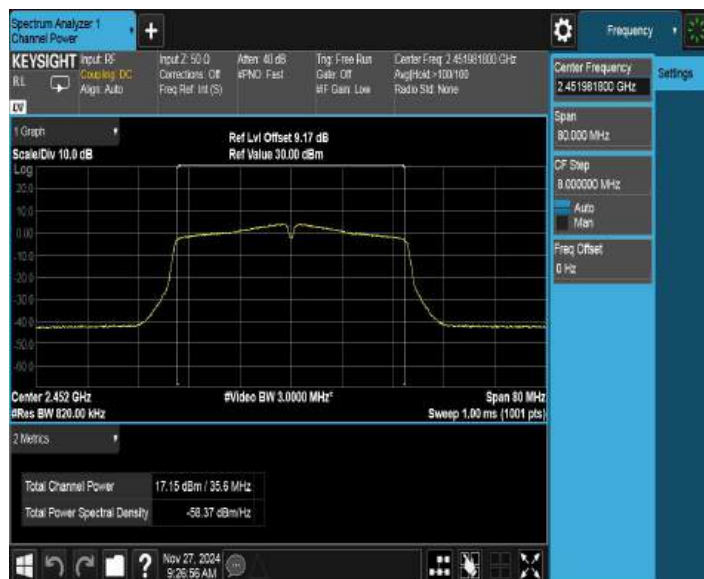
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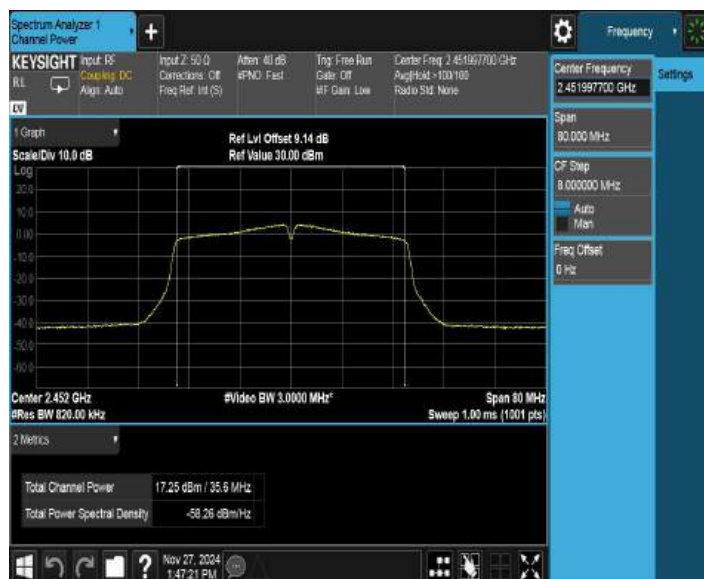
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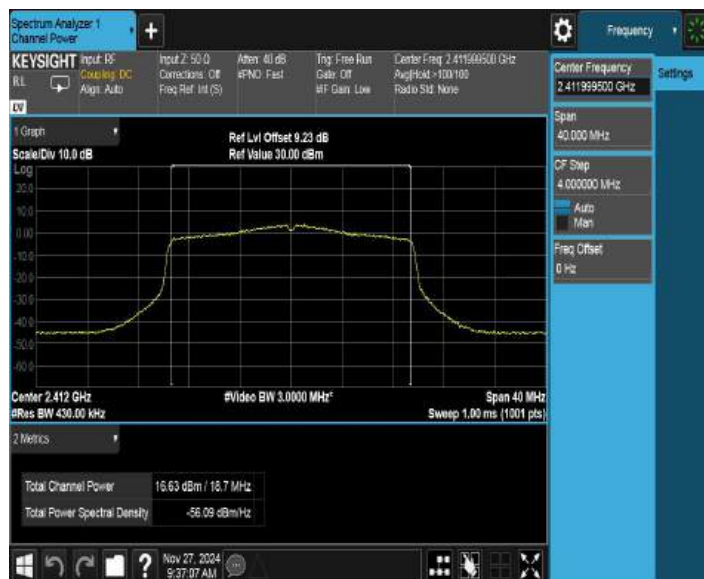
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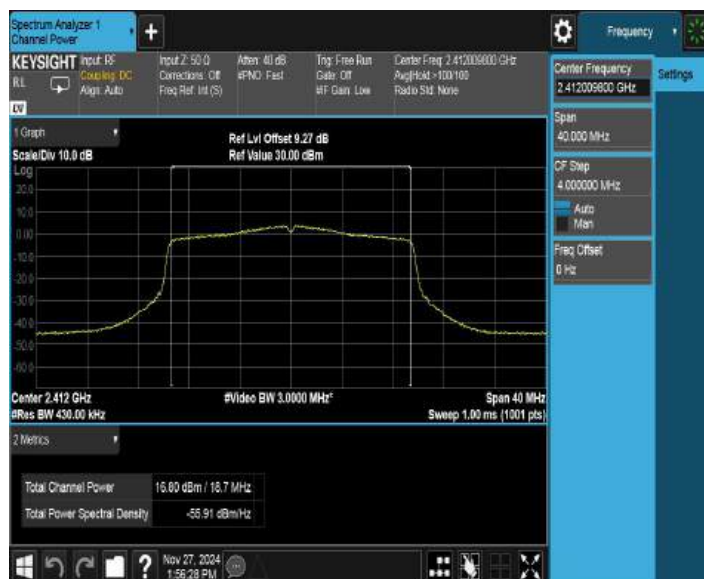
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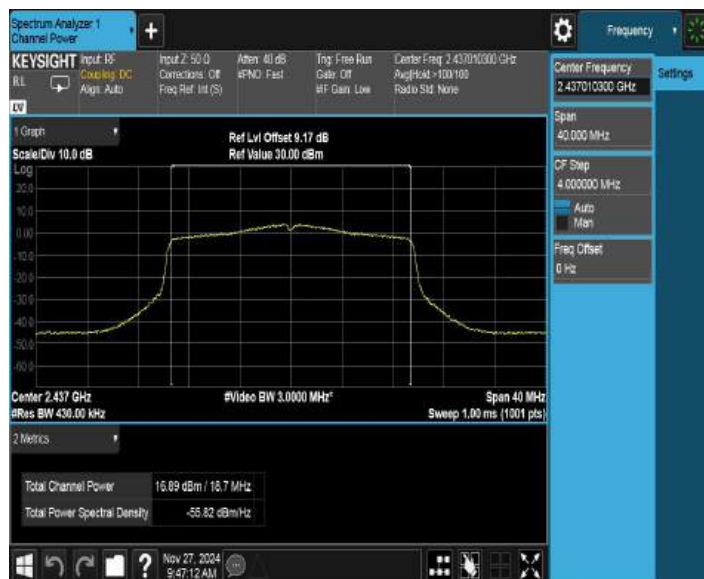
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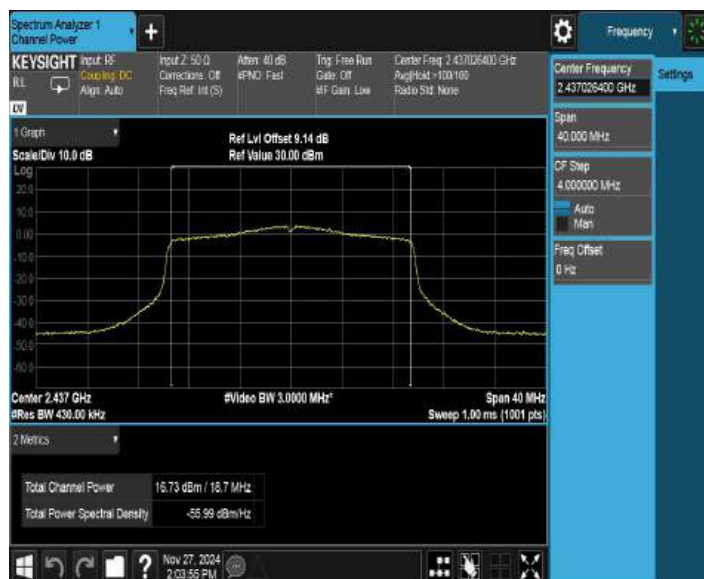
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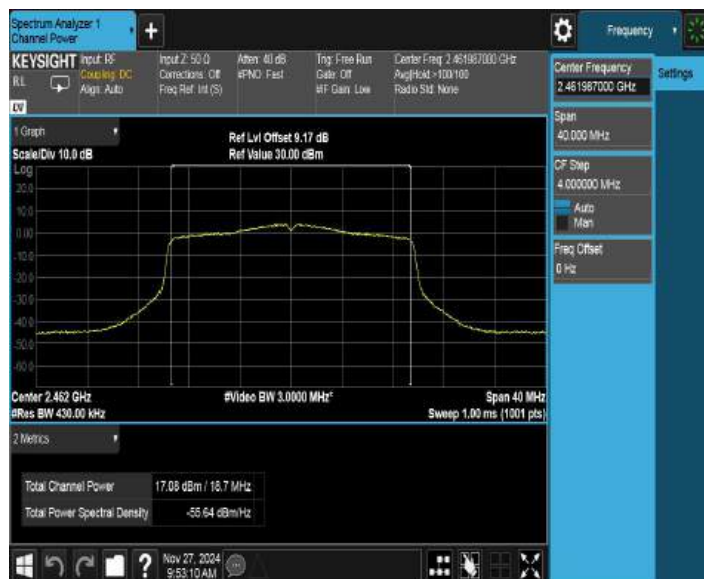
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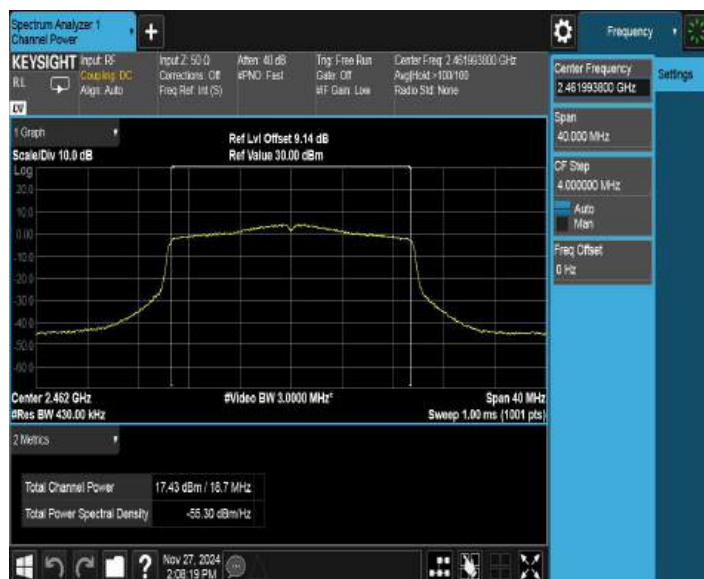
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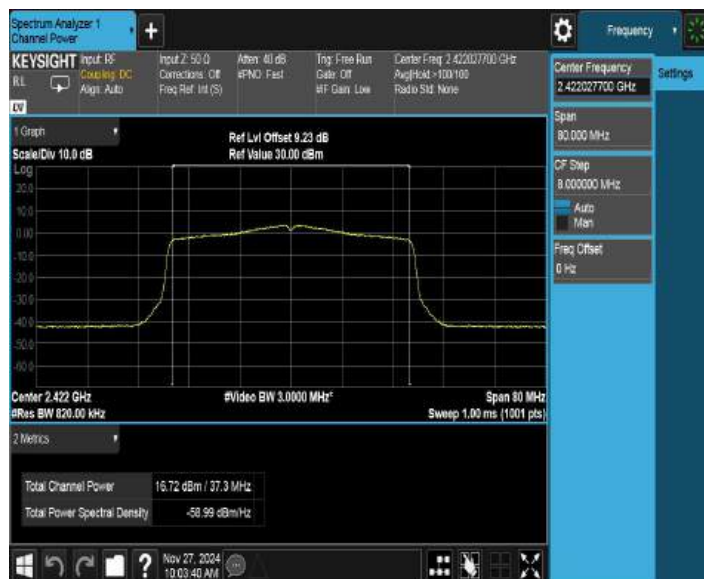
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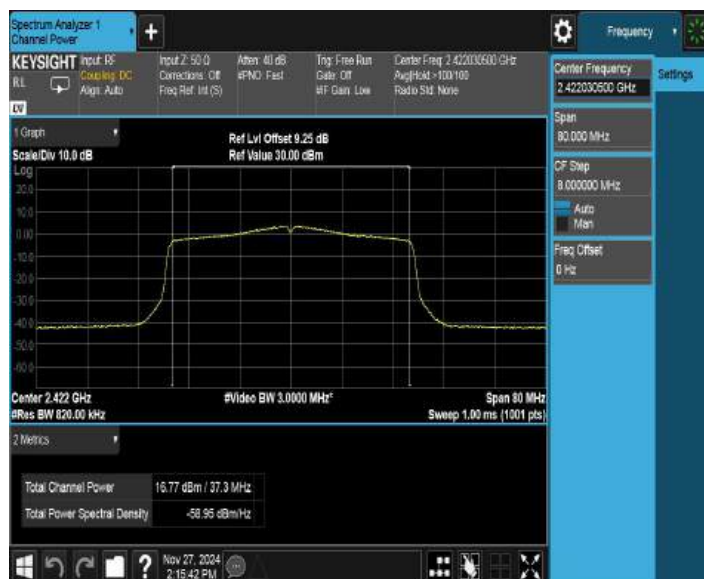
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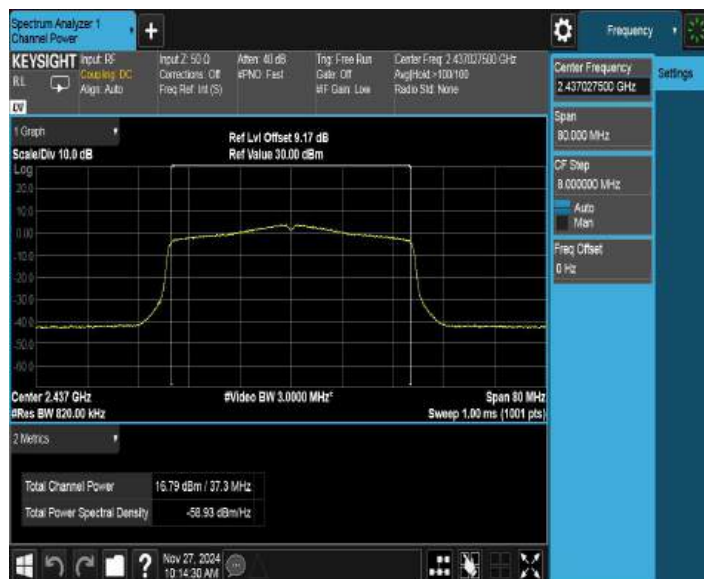
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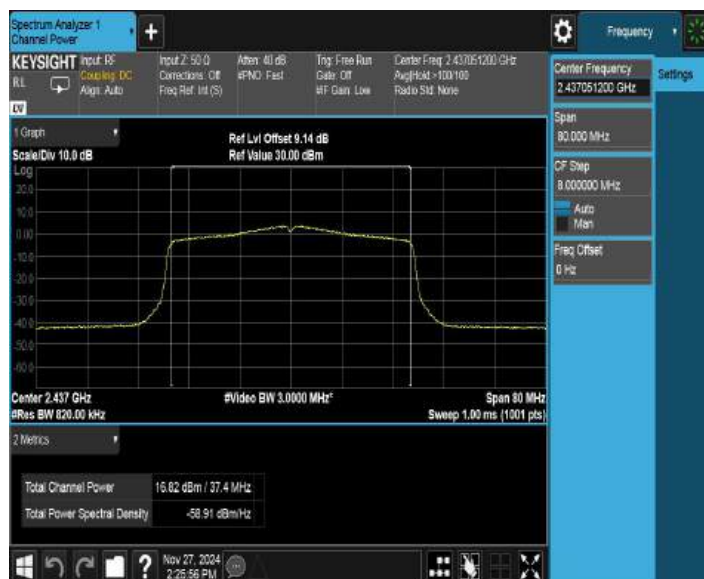
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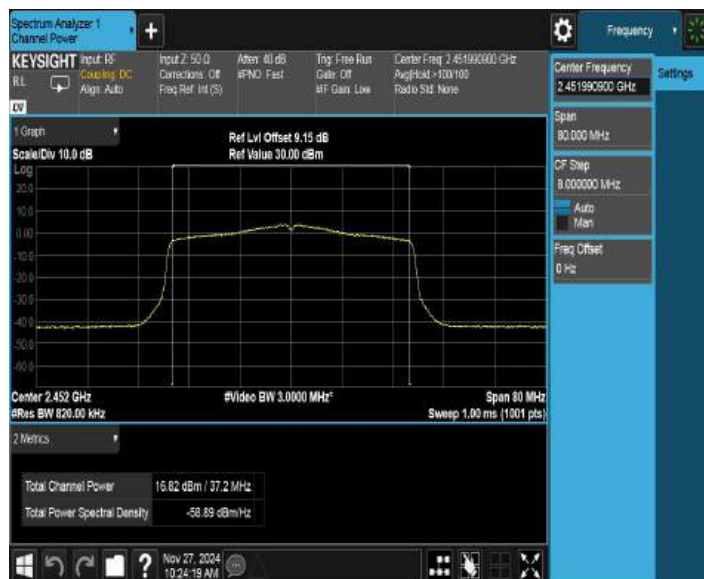
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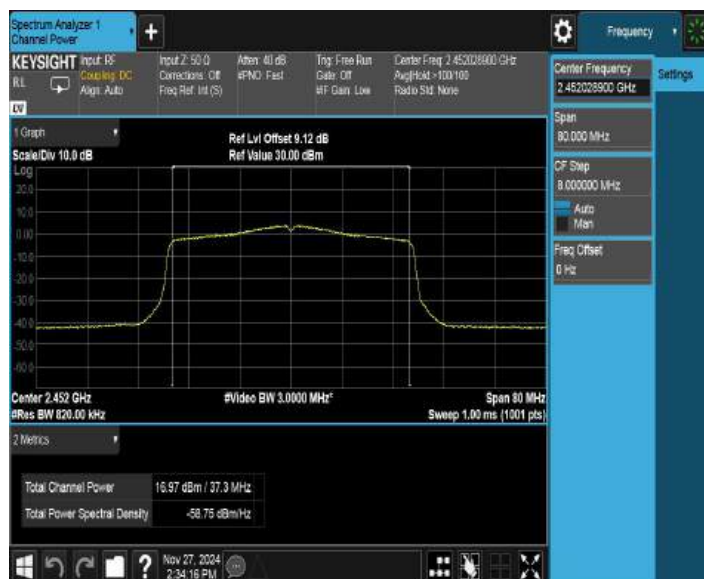
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11AX40SISO_Ant1_2452



11AX40SISO_Ant2_2452



11B-CDD_Ant1_2412



11B-CDD_Ant2_2412



11B-CDD_Ant1_2437



11B-CDD_Ant2_2437



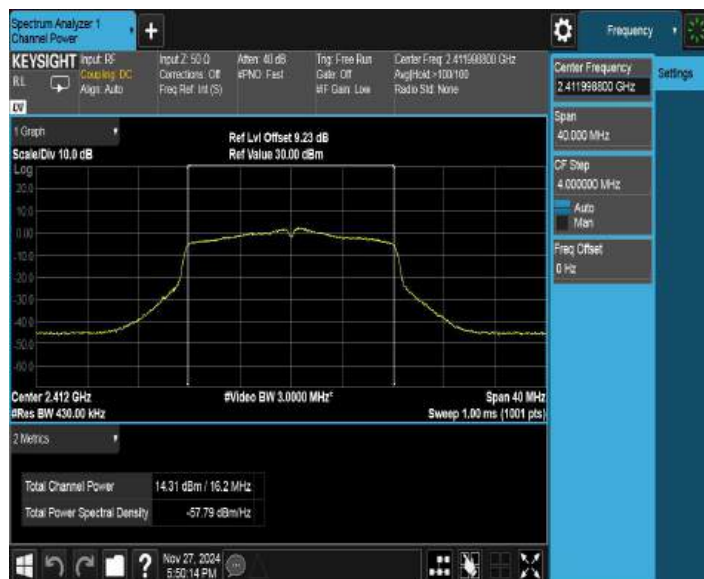
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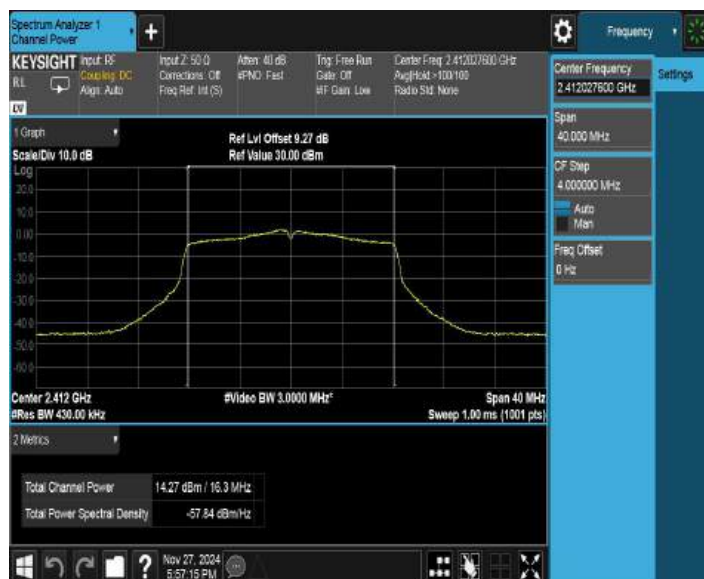
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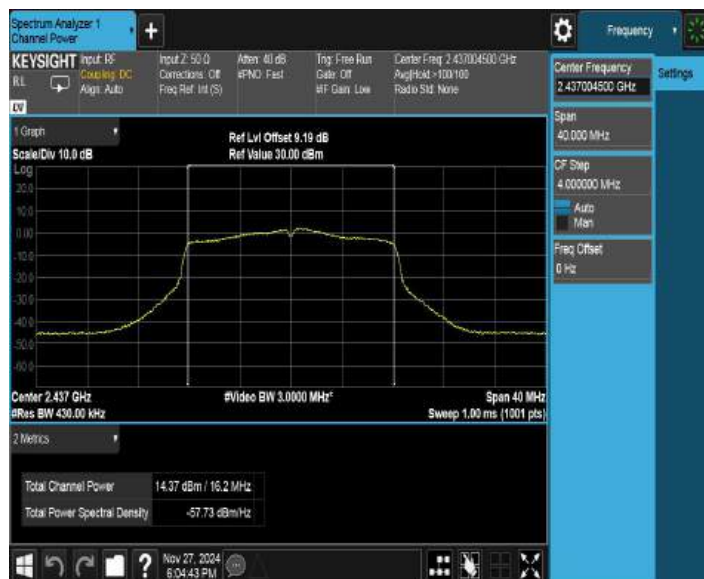
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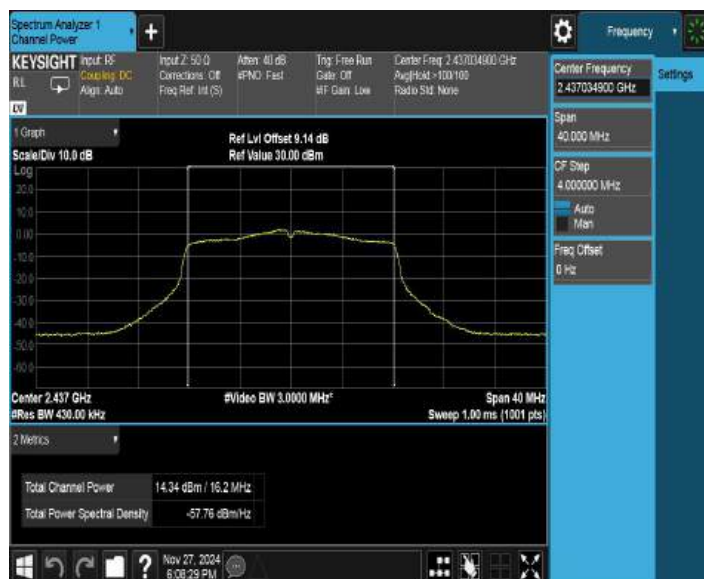
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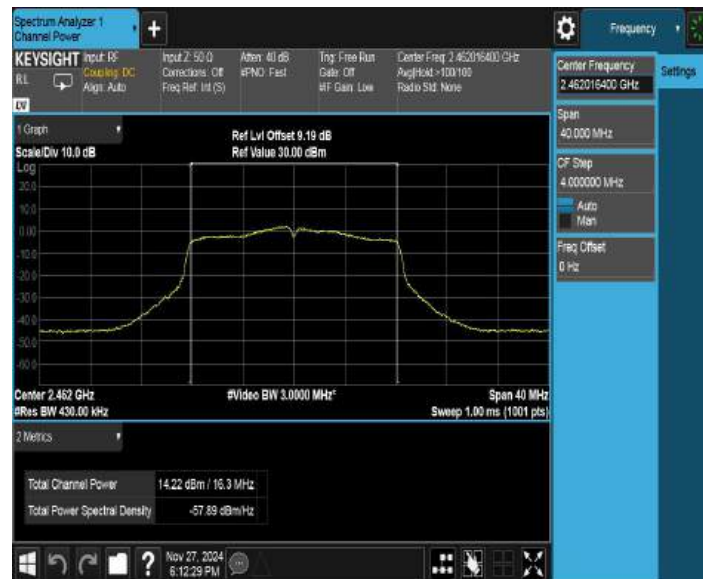
11G-CDD_Ant1_2437



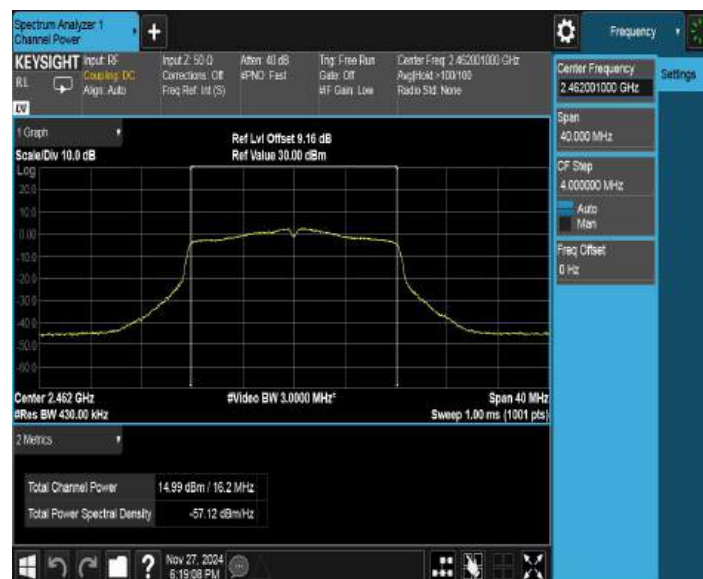
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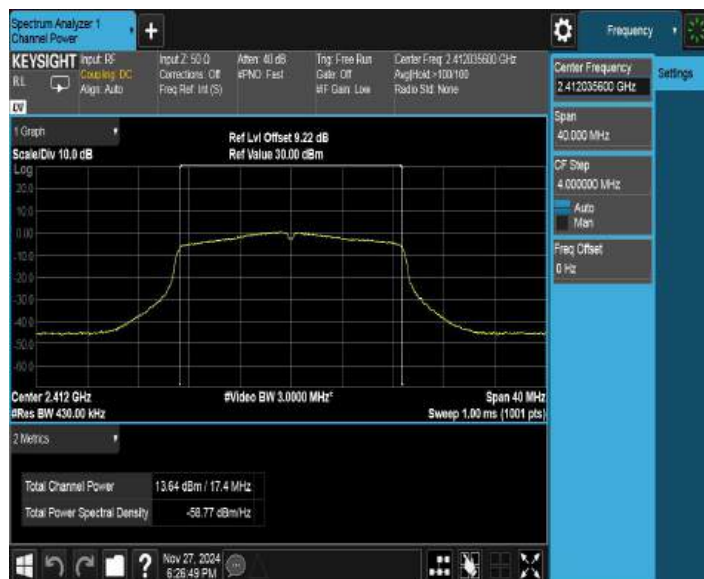
11G-CDD_Ant1_2462



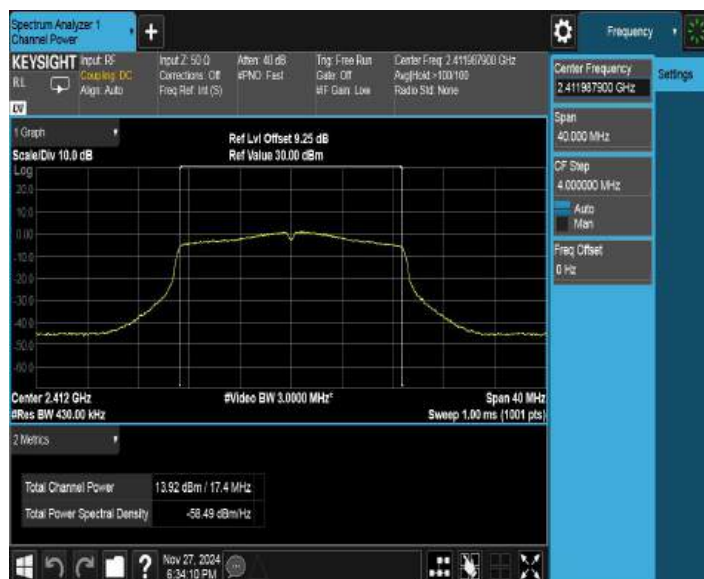
11G-CDD_Ant2_2462



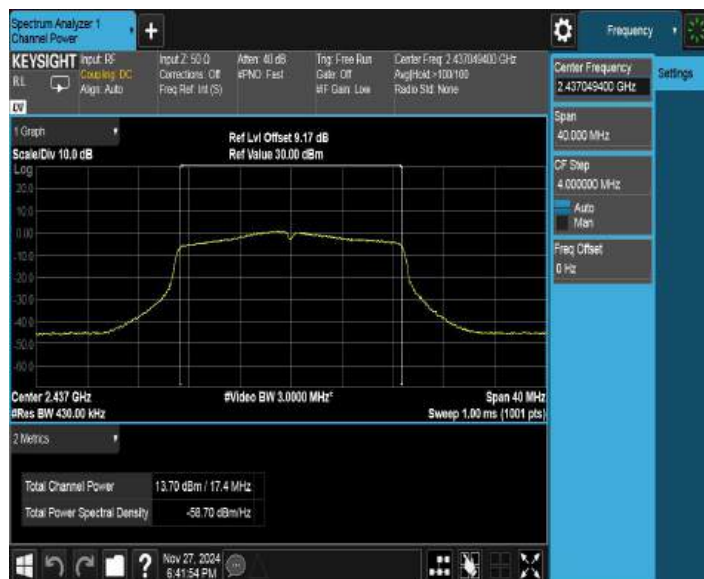
11N20MIMO_Ant1_2412



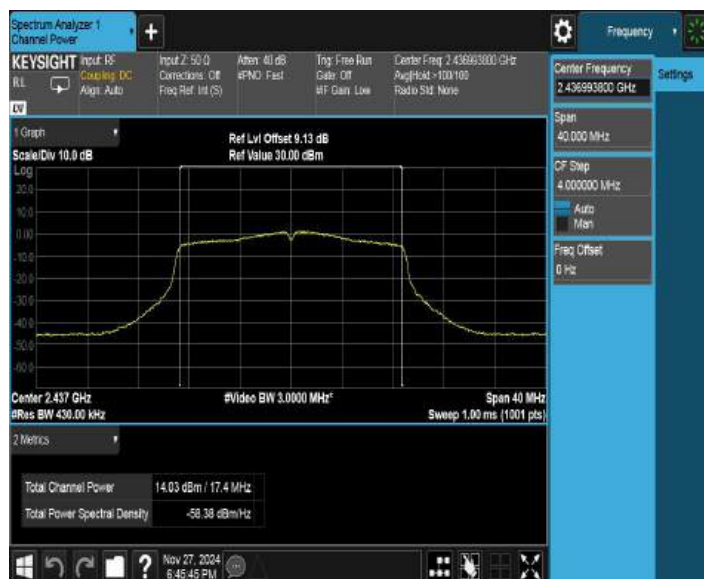
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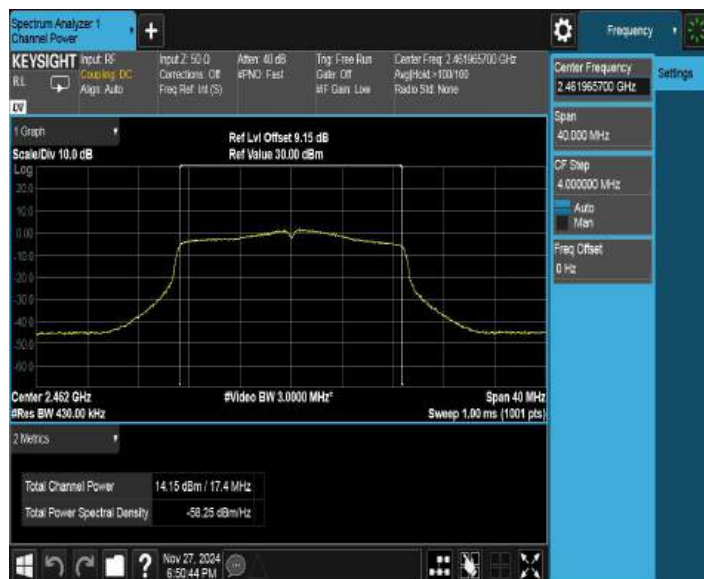
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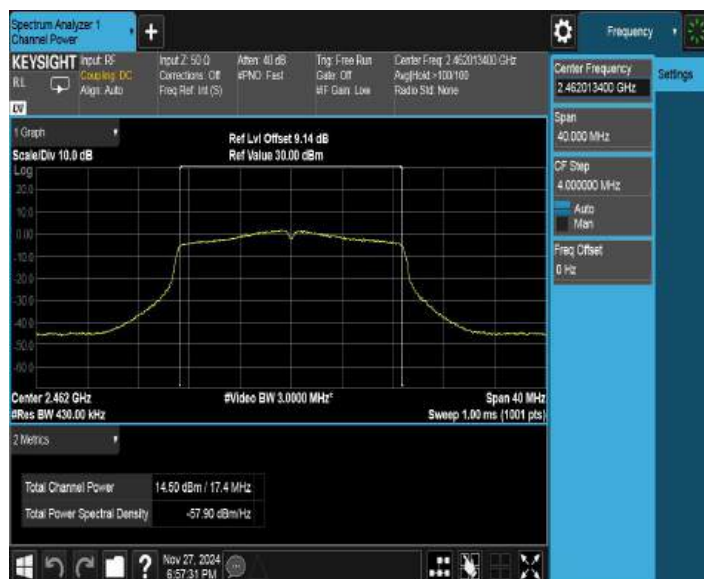
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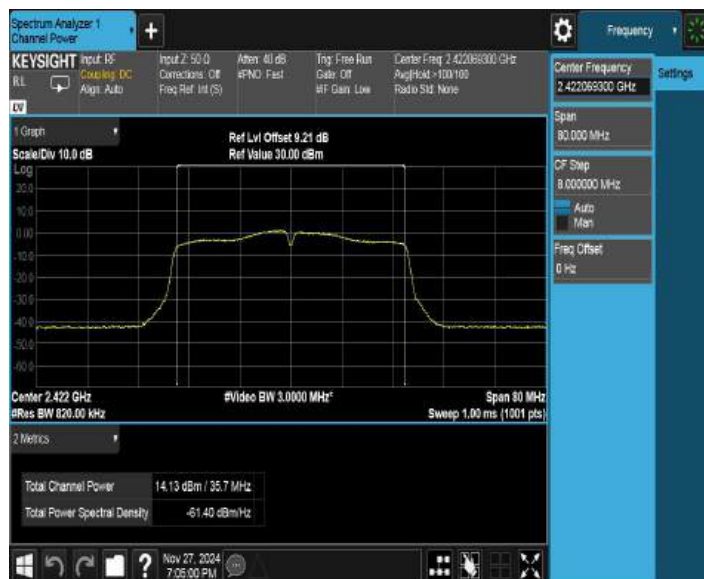
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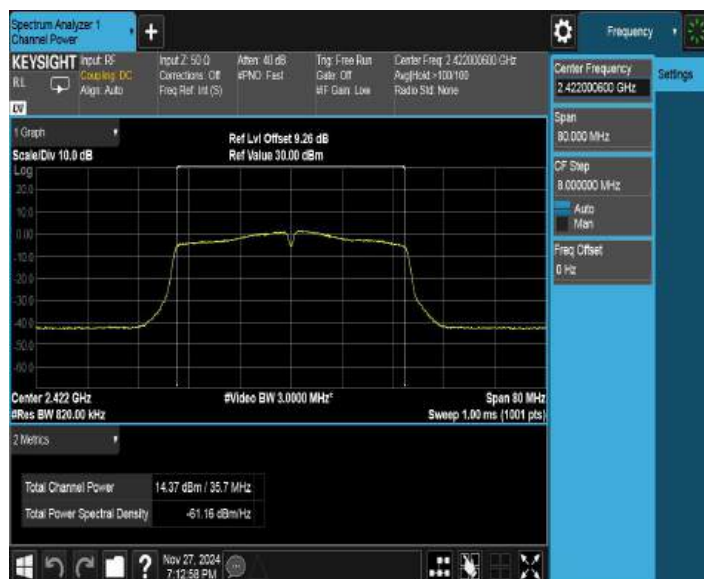
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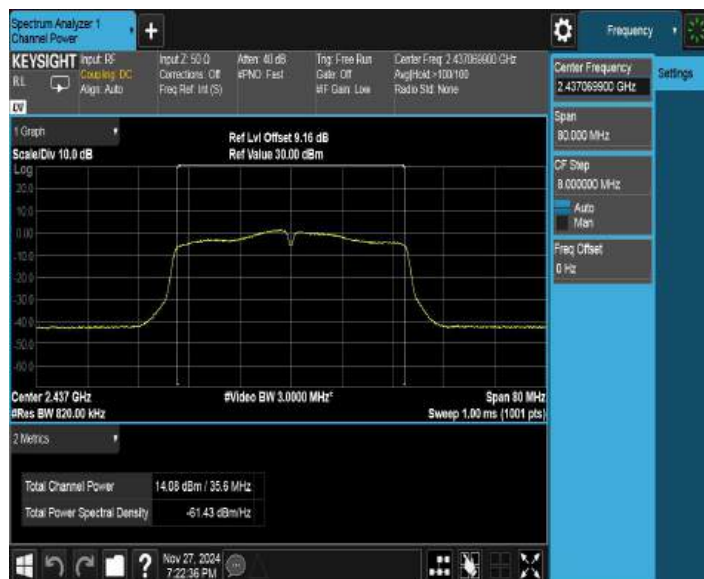
11N40MIMO_Ant1_2422



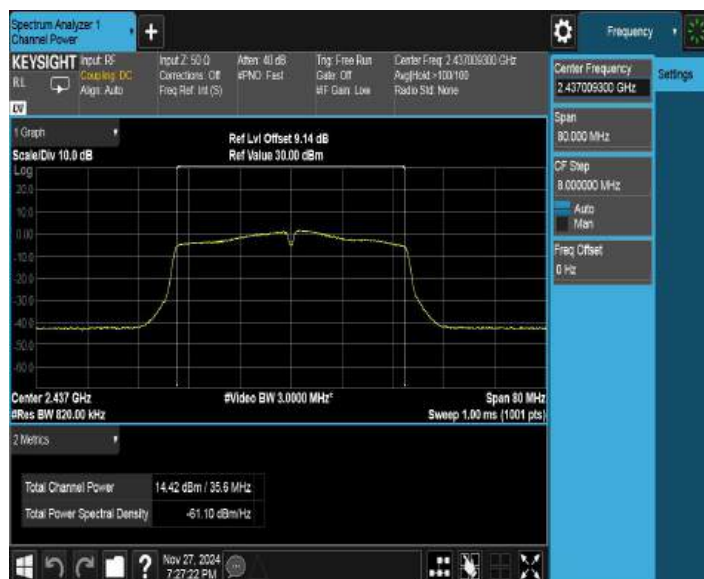
11N40MIMO_Ant2_2422



11N40MIMO_Ant1_2437



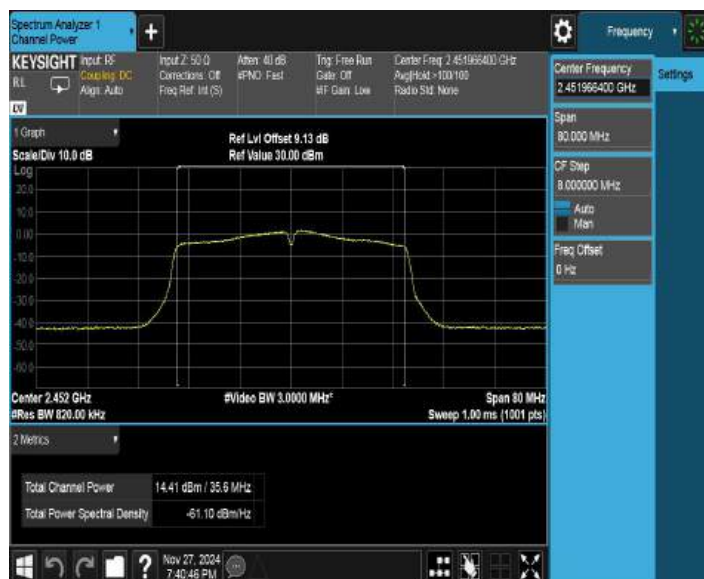
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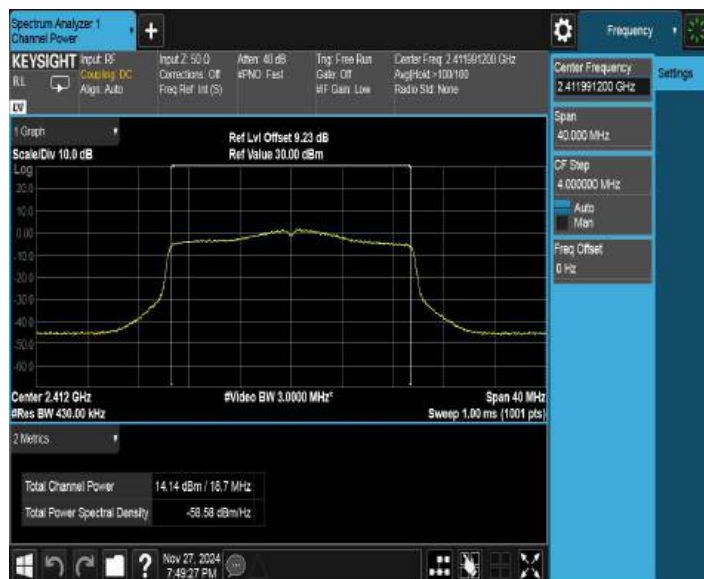
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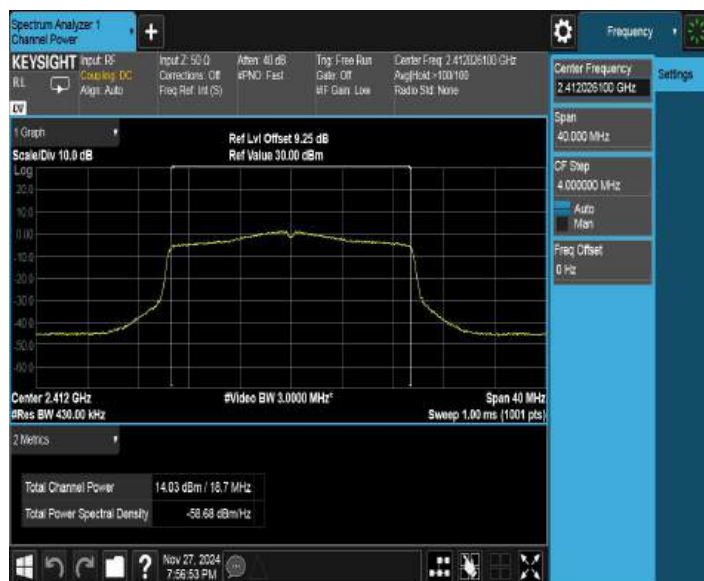
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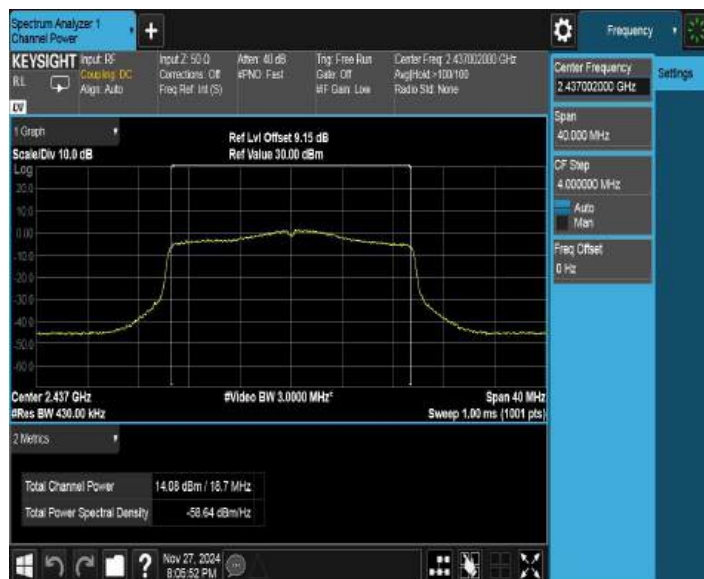
11AX20MIMO_Ant1_2412



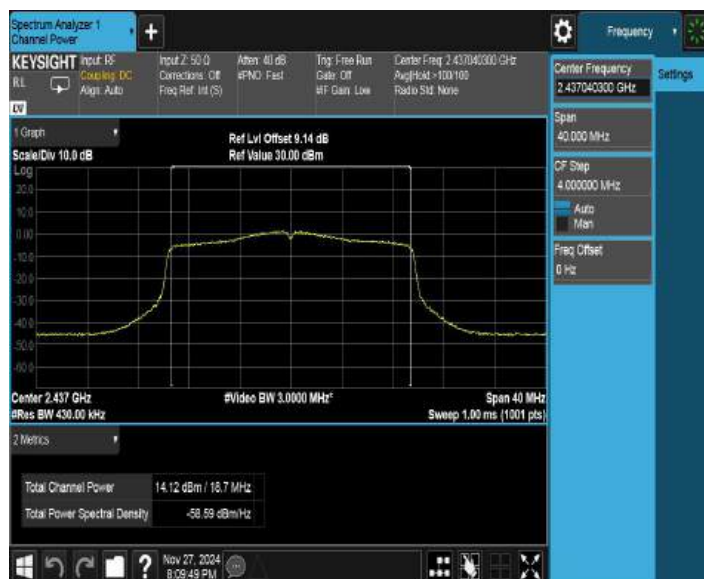
11AX20MIMO_Ant2_2412



11AX20MIMO_Ant1_2437



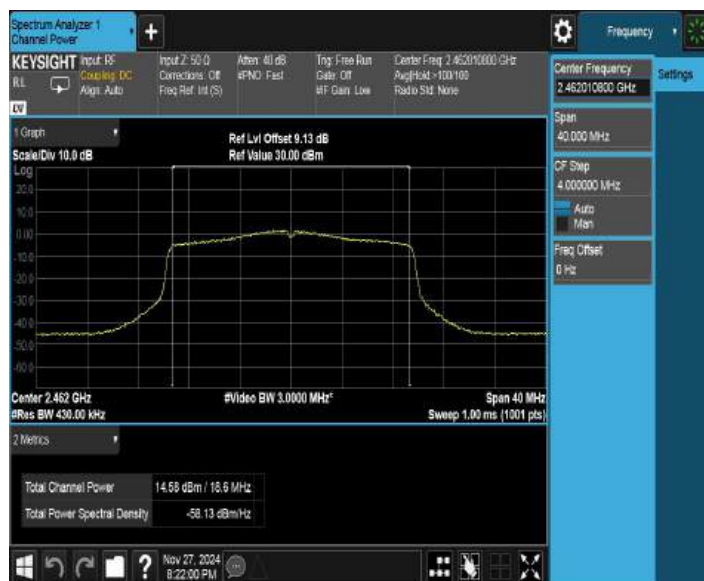
11AX20MIMO_Ant2_2437



11AX20MIMO_Ant1_2462



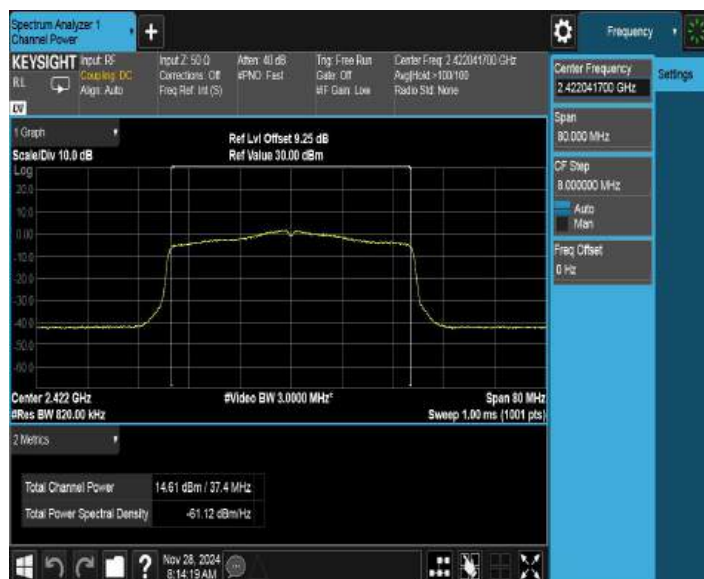
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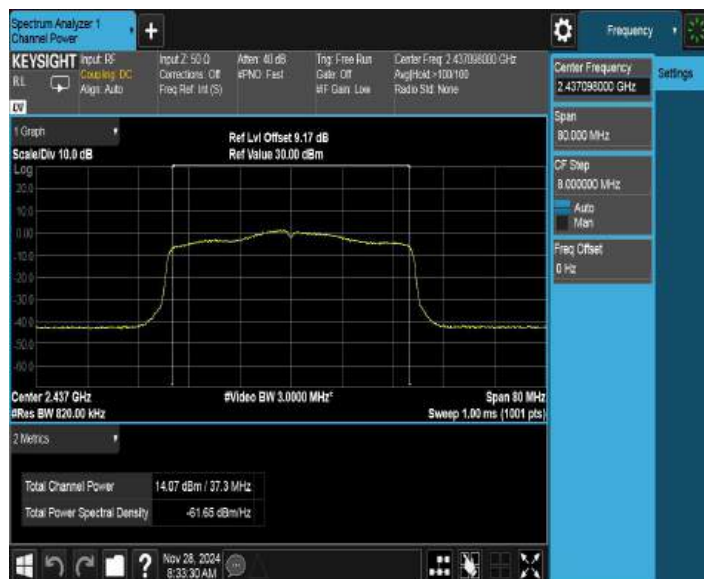
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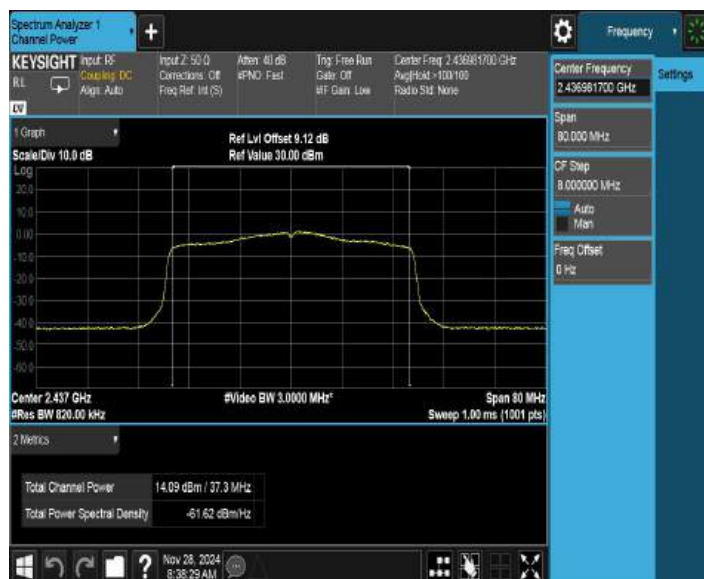
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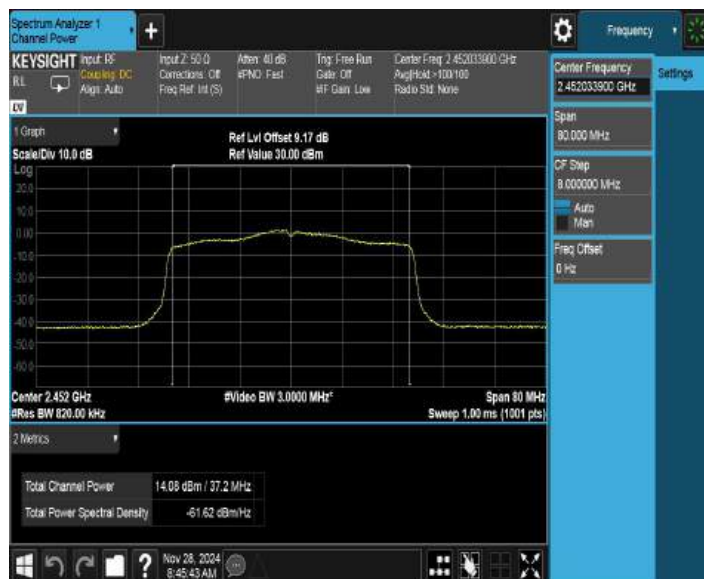
11AX40MIMO_Ant1_2437



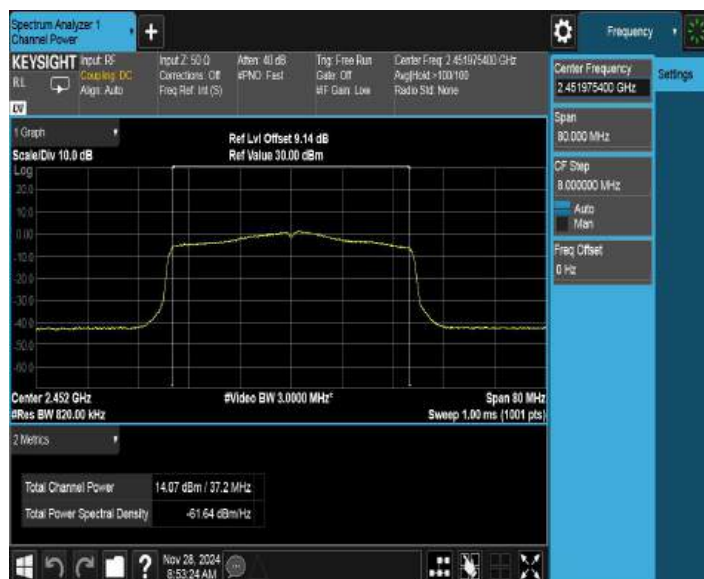
11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452



7.4. Power Spectral Density Measurement

7.4.1. Test Limit

The maximum permissible power spectral density is 8dBm in any 3 kHz band. And for antenna gain greater than 6dBi the limit shall reduce by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

7.4.2. Test Procedure Used

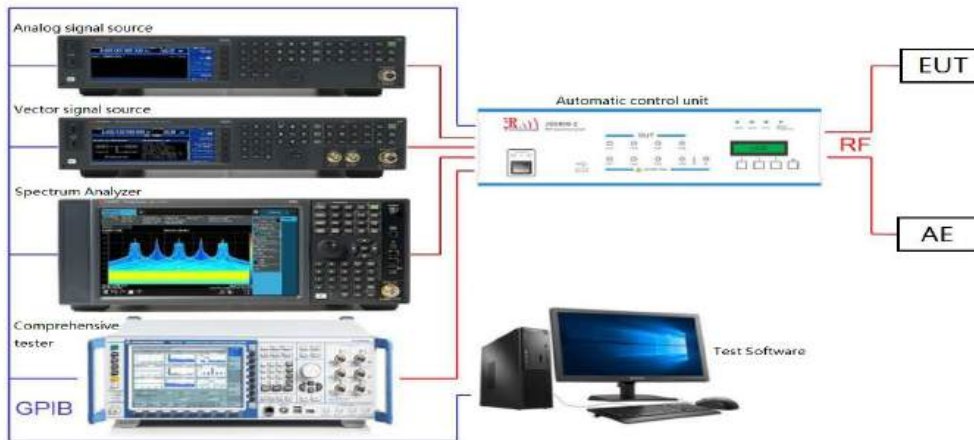
KDB 558074 D01 v05r02 - Section 8.4

ANSI C63.10 – Section 11.10.5

7.4.3. Test Setting

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to 1.5 times the OBW.
3. Set the RBW to $3 \text{ kHz} \leq \text{RBW} \leq 100 \text{ kHz}$.
4. Set the VBW $\geq [3 \times \text{RBW}]$.
5. Detector = power averaging (rms) or sample detector (when rms not available).
6. Ensure that the number of measurement points in the sweep $\geq [2 \times \text{span} / \text{RBW}]$.
7. Sweep time = auto couple.
8. Do not use sweep triggering; allow sweep to “free run.”
9. Employ trace averaging (rms) mode over a minimum of 100 traces.
10. Use the peak marker function to determine the maximum amplitude level.
11. Add $[10 \log (1 / D)]$, where D is the duty cycle measured in step a), to the measured PSD to
12. If measured value exceeds requirement specified by regulatory agency, then reduce RBW (but no less than 3 kHz) and repeat (note that this may require zooming in on the emission of interest and reducing the span to meet the minimum measurement point requirement as the RBW is reduced)..

7.4.4. Test Setup



7.4.5. Test Result

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3-100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-11.82	≤8.00	PASS
	Ant2	2412	-11.68	≤8.00	PASS
	Ant1	2437	-11.26	≤8.00	PASS
	Ant2	2437	-11.68	≤8.00	PASS
	Ant1	2462	-11.46	≤8.00	PASS
	Ant2	2462	-10.71	≤8.00	PASS
11G	Ant1	2412	-12.90	≤8.00	PASS
	Ant2	2412	-12.49	≤8.00	PASS
	Ant1	2437	-12.23	≤8.00	PASS
	Ant2	2437	-12.76	≤8.00	PASS
	Ant1	2462	-12.22	≤8.00	PASS
	Ant2	2462	-11.59	≤8.00	PASS
11N20SISO	Ant1	2412	-13.53	≤8.00	PASS
	Ant2	2412	-14.08	≤8.00	PASS
	Ant1	2437	-13.71	≤8.00	PASS
	Ant2	2437	-14.15	≤8.00	PASS
	Ant1	2462	-13.71	≤8.00	PASS
	Ant2	2462	-12.51	≤8.00	PASS
11N40SISO	Ant1	2422	-15.66	≤8.00	PASS
	Ant2	2422	-16.27	≤8.00	PASS
	Ant1	2437	-16.30	≤8.00	PASS
	Ant2	2437	-15.94	≤8.00	PASS
	Ant1	2452	-16.27	≤8.00	PASS
	Ant2	2452	-15.68	≤8.00	PASS
11AX20SISO	Ant1	2412	-14.68	≤8.00	PASS
	Ant2	2412	-15.13	≤8.00	PASS
	Ant1	2437	-14.99	≤8.00	PASS
	Ant2	2437	-14.36	≤8.00	PASS
	Ant1	2462	-13.72	≤8.00	PASS
	Ant2	2462	-14.01	≤8.00	PASS
11AX40SISO	Ant1	2422	-17.27	≤8.00	PASS
	Ant2	2422	-17.93	≤8.00	PASS
	Ant1	2437	-17.71	≤8.00	PASS

	Ant2	2437	-17.31	≤8.00	PASS
	Ant1	2452	-17.49	≤8.00	PASS
	Ant2	2452	-17.58	≤8.00	PASS
11B-CDD	Ant1	2412	-13.00	≤8.00	PASS
	Ant2	2412	-13.15	≤8.00	PASS
	total	2412	-10.06	≤8.00	PASS
	Ant1	2437	-13.06	≤8.00	PASS
	Ant2	2437	-13.21	≤8.00	PASS
	total	2437	-10.12	≤8.00	PASS
	Ant1	2462	-12.96	≤8.00	PASS
	Ant2	2462	-12.66	≤8.00	PASS
	total	2462	-9.80	≤8.00	PASS
11G-CDD	Ant1	2412	-14.79	≤8.00	PASS
	Ant2	2412	-15.39	≤8.00	PASS
	total	2412	-12.07	≤8.00	PASS
	Ant1	2437	-15.48	≤8.00	PASS
	Ant2	2437	-15.51	≤8.00	PASS
	total	2437	-12.48	≤8.00	PASS
	Ant1	2462	-15.38	≤8.00	PASS
	Ant2	2462	-14.52	≤8.00	PASS
	total	2462	-11.92	≤8.00	PASS
11N20MIMO	Ant1	2412	-17.11	≤8.00	PASS
	Ant2	2412	-16.20	≤8.00	PASS
	total	2412	-13.62	≤8.00	PASS
	Ant1	2437	-16.58	≤8.00	PASS
	Ant2	2437	-16.75	≤8.00	PASS
	total	2437	-13.65	≤8.00	PASS
	Ant1	2462	-15.59	≤8.00	PASS
	Ant2	2462	-15.24	≤8.00	PASS
	total	2462	-12.40	≤8.00	PASS
11N40MIMO	Ant1	2422	-18.62	≤8.00	PASS
	Ant2	2422	-19.38	≤8.00	PASS
	total	2422	-15.97	≤8.00	PASS
	Ant1	2437	-18.88	≤8.00	PASS
	Ant2	2437	-19.09	≤8.00	PASS
	total	2437	-15.97	≤8.00	PASS

	Ant1	2452	-18.64	≤8.00	PASS
	Ant2	2452	-18.81	≤8.00	PASS
	total	2452	-15.71	≤8.00	PASS
11AX20MIMO	Ant1	2412	-16.59	≤8.00	PASS
	Ant2	2412	-17.44	≤8.00	PASS
	total	2412	-13.98	≤8.00	PASS
	Ant1	2437	-17.35	≤8.00	PASS
	Ant2	2437	-17.17	≤8.00	PASS
	total	2437	-14.25	≤8.00	PASS
	Ant1	2462	-16.42	≤8.00	PASS
	Ant2	2462	-17.46	≤8.00	PASS
	total	2462	-13.90	≤8.00	PASS
11AX40MIMO	Ant1	2422	-19.80	≤8.00	PASS
	Ant2	2422	-19.83	≤8.00	PASS
	total	2422	-16.80	≤8.00	PASS
	Ant1	2437	-20.70	≤8.00	PASS
	Ant2	2437	-20.16	≤8.00	PASS
	total	2437	-17.41	≤8.00	PASS
	Ant1	2452	-20.49	≤8.00	PASS
	Ant2	2452	-20.54	≤8.00	PASS
	total	2452	-17.50	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant2_2412



11B_Ant1_2437



11B_Ant2_2437



11B_Ant1_2462



11B_Ant2_2462



11G_Ant1_2412



11G_Ant2_2412



11G_Ant1_2437



11G_Ant2_2437



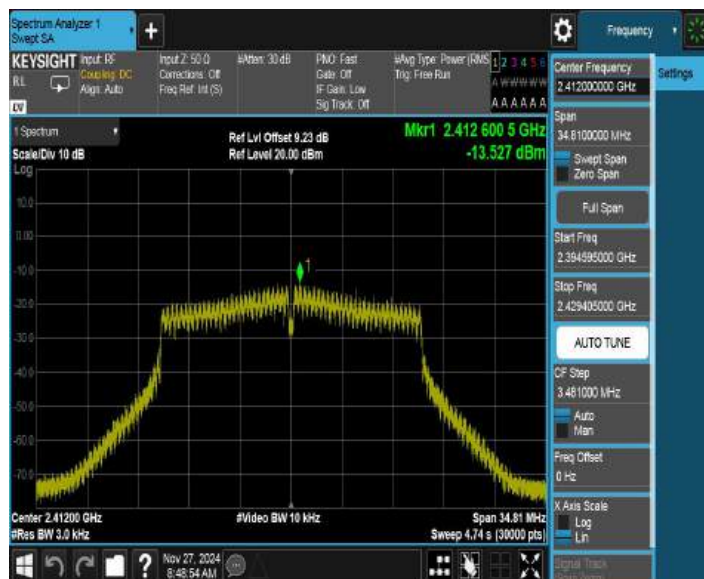
11G_Ant1_2462



11G_Ant2_2462



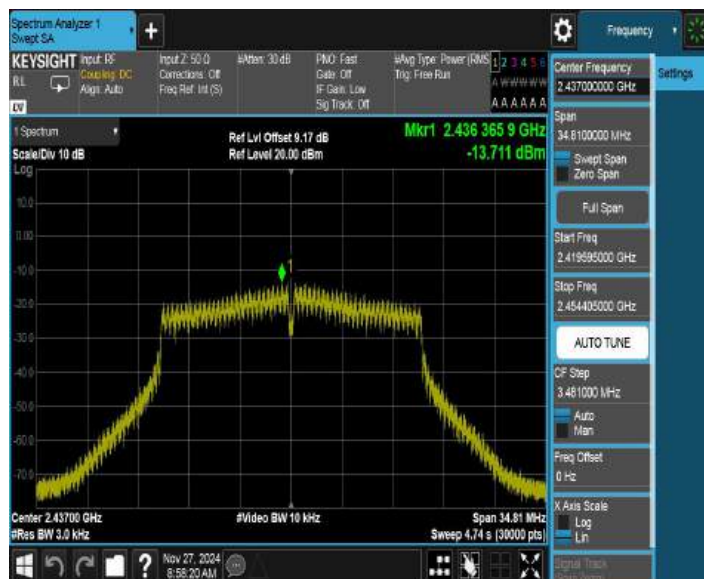
11N20SISO_Ant1_2412



11N20SISO_Ant2_2412



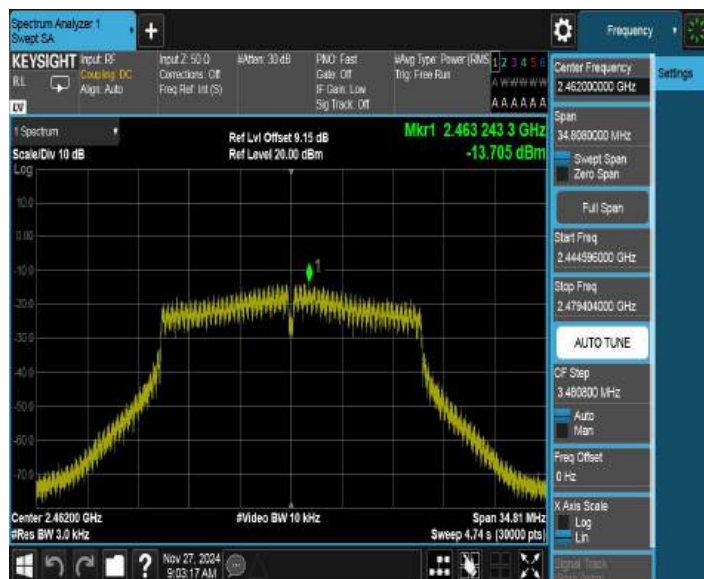
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11N20SISO_Ant2_2437



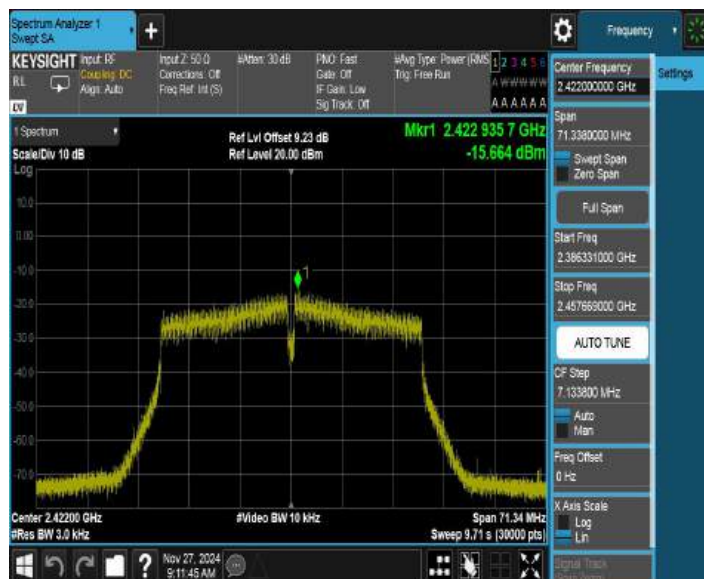
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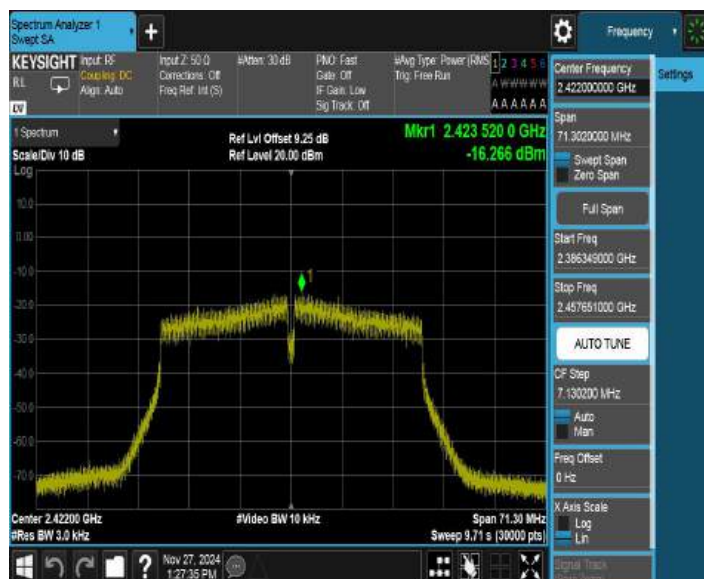
11N20SISO_Ant2_2462



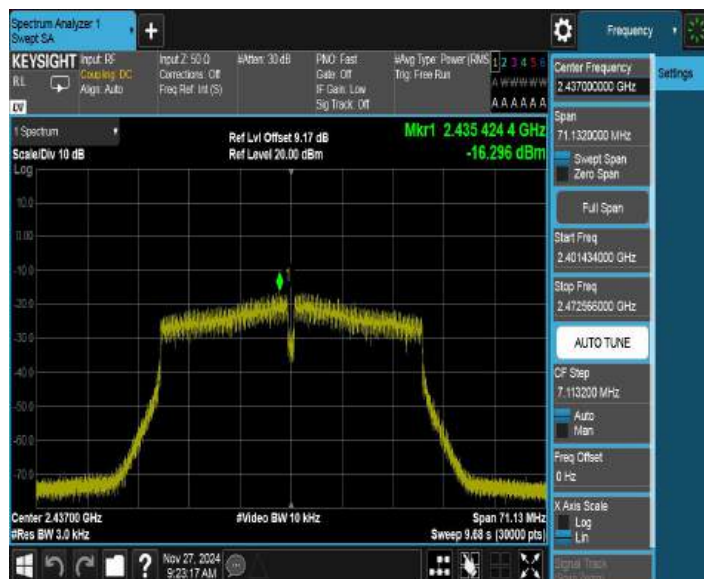
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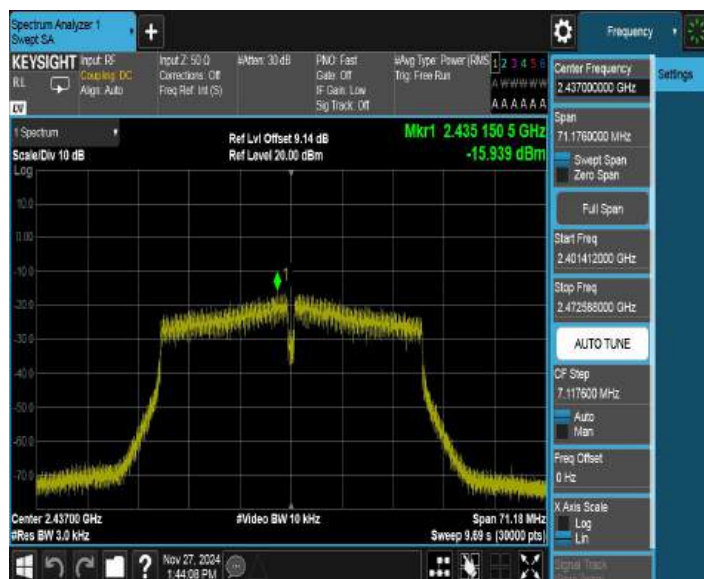
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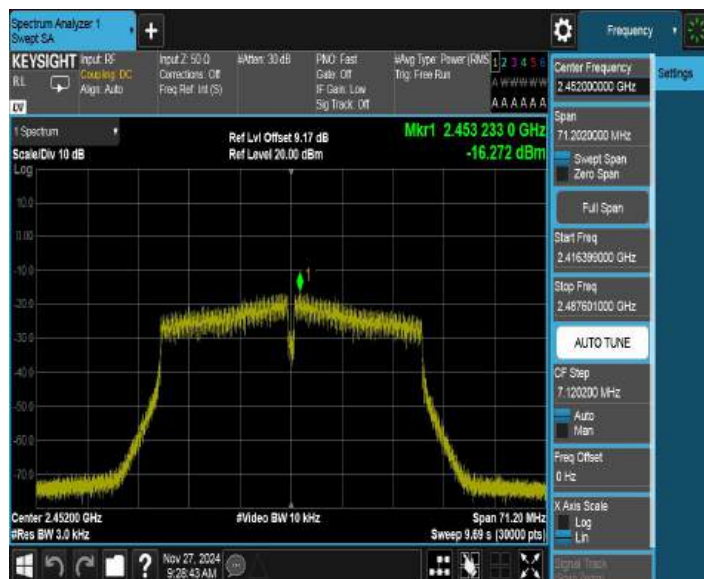
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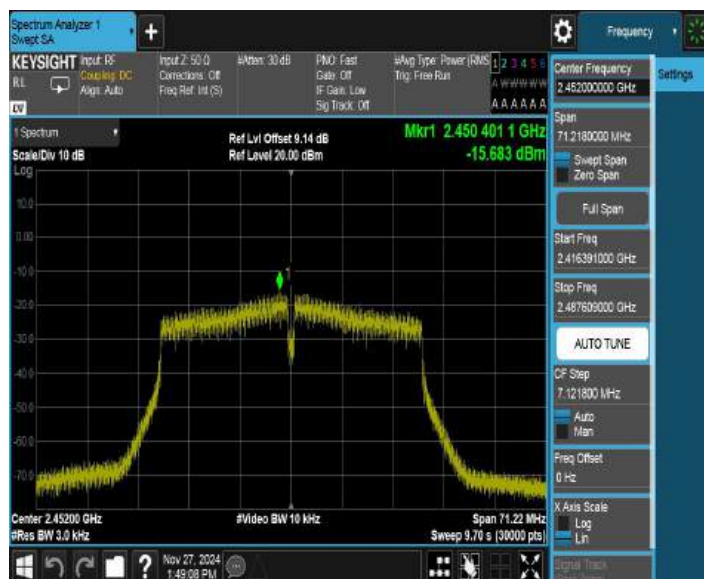
11N40SISO_Ant2_2437



11N40SISO_Ant1_2452



11N40SISO_Ant2_2452



11AX20SISO_Ant1_2412



11AX20SISO_Ant2_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant2_2437



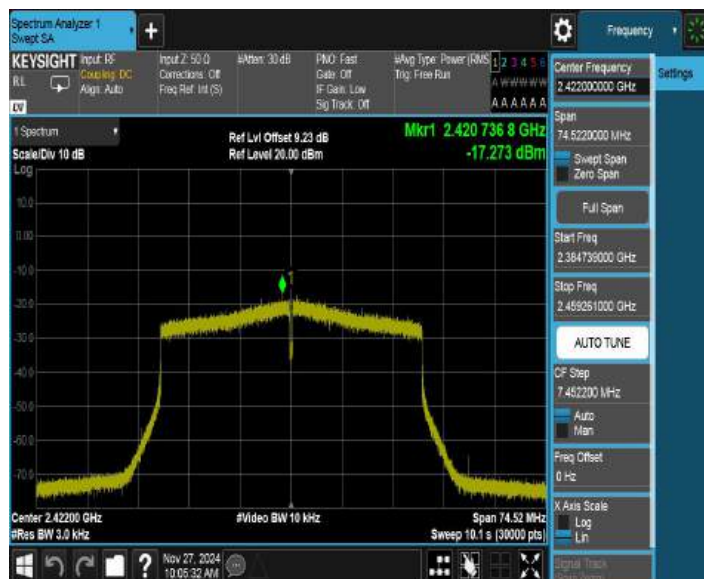
11AX20SISO_Ant1_2462



11AX20SISO_Ant2_2462



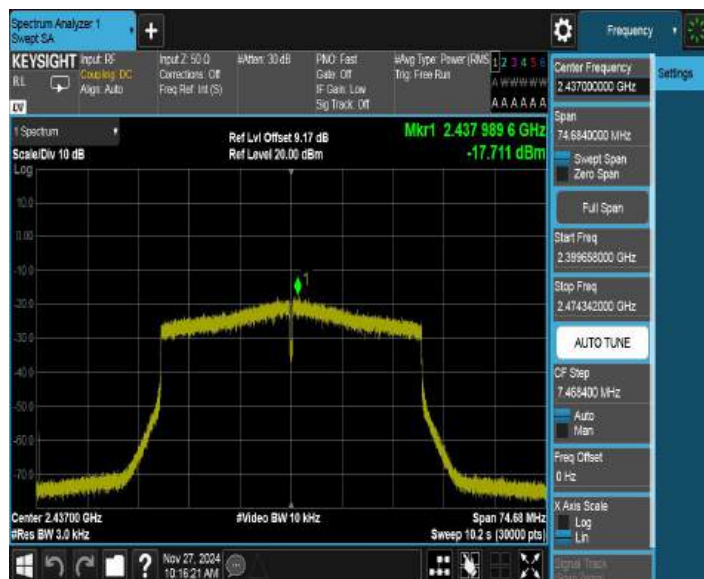
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11AX40SISO_Ant2_2422



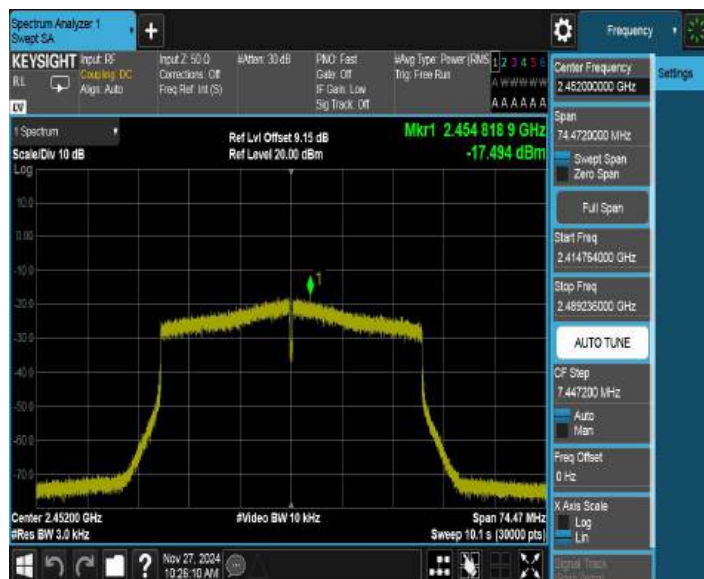
11AX40SISO_Ant1_2437



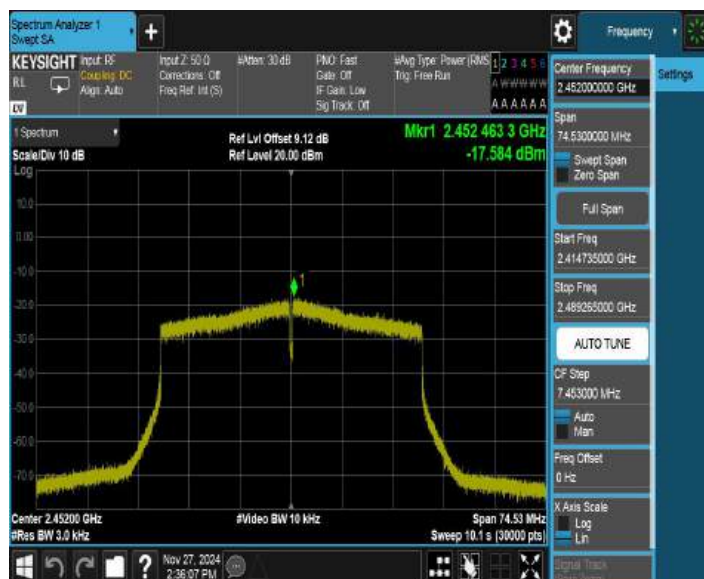
11AX40SISO_Ant2_2437



11AX40SISO_Ant1_2452



11AX40SISO_Ant2_2452



11B-CDD_Ant1_2412



11B-CDD_Ant2_2412



11B-CDD_Ant1_2437



11B-CDD_Ant2_2437



11B-CDD_Ant1_2462



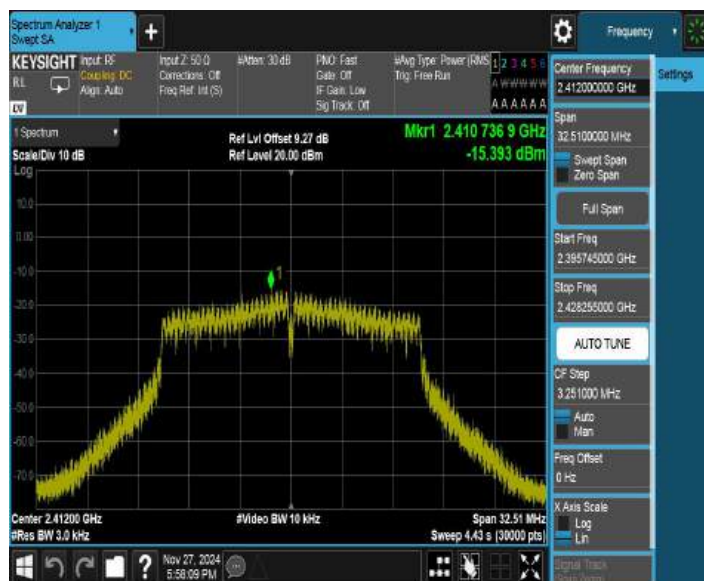
11B-CDD_Ant2_2462



11G-CDD_Ant1_2412



11G-CDD_Ant2_2412



11G-CDD_Ant1_2437



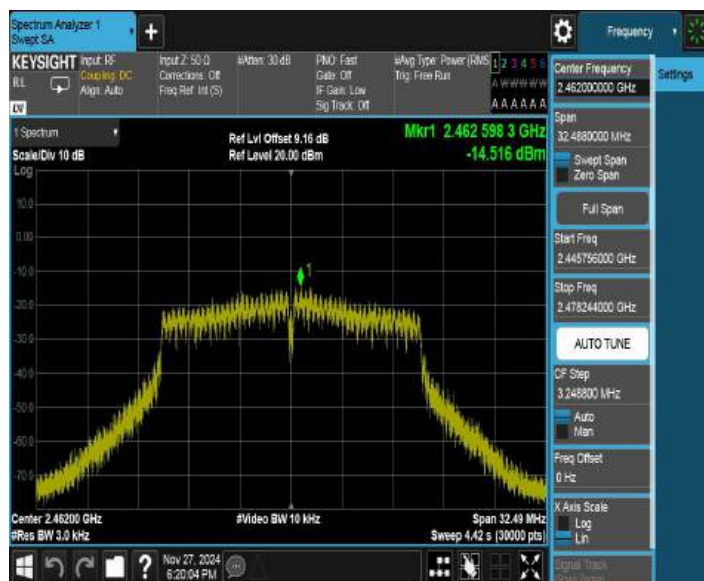
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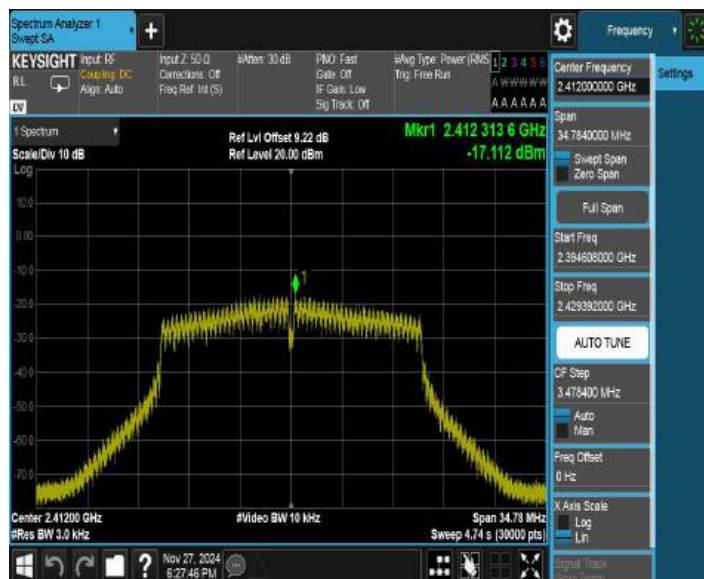
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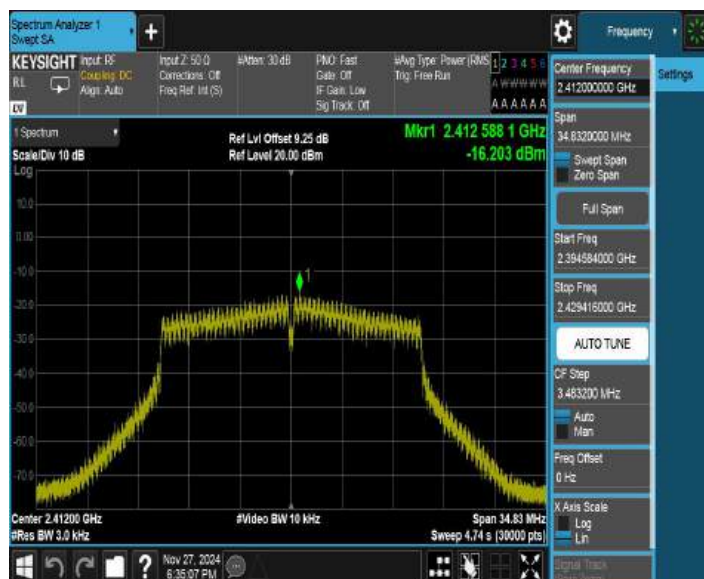
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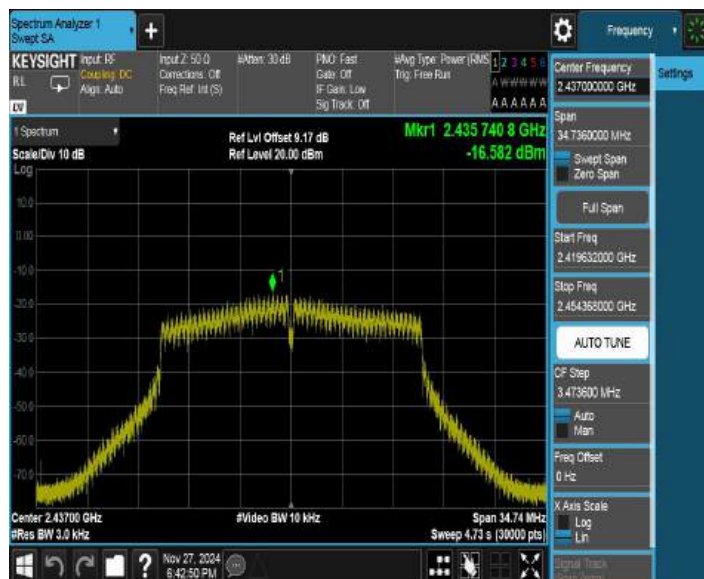
11N20MIMO_Ant1_2412



11N20MIMO_Ant2_2412



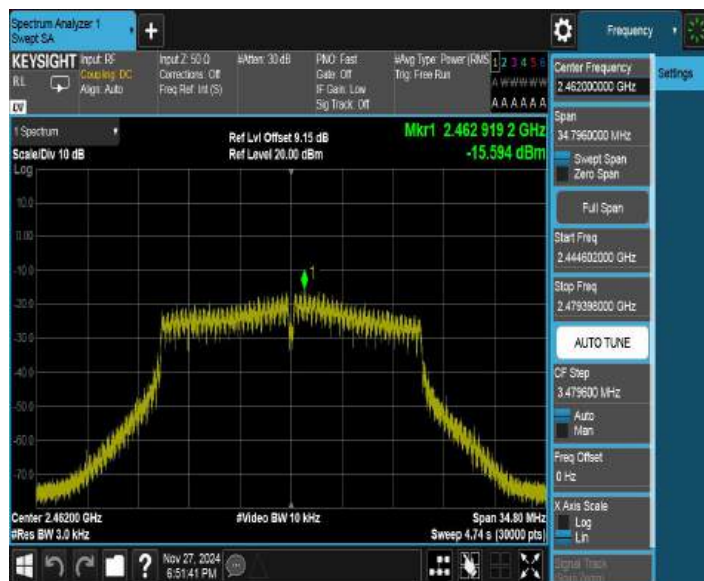
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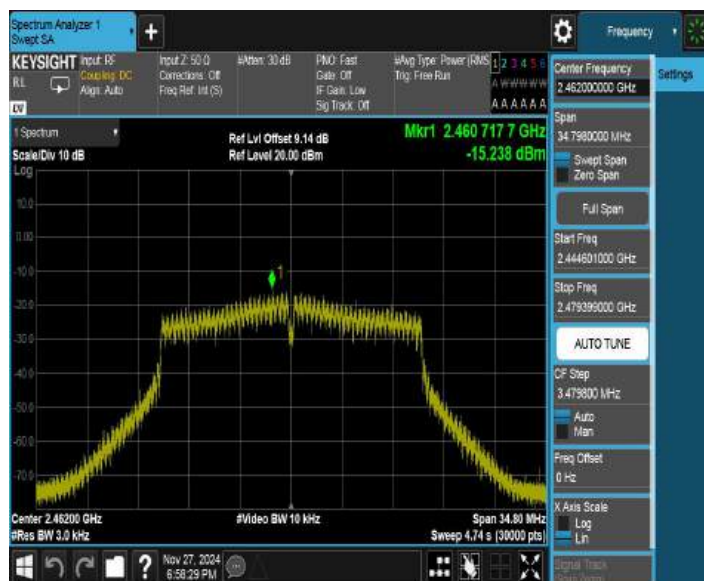
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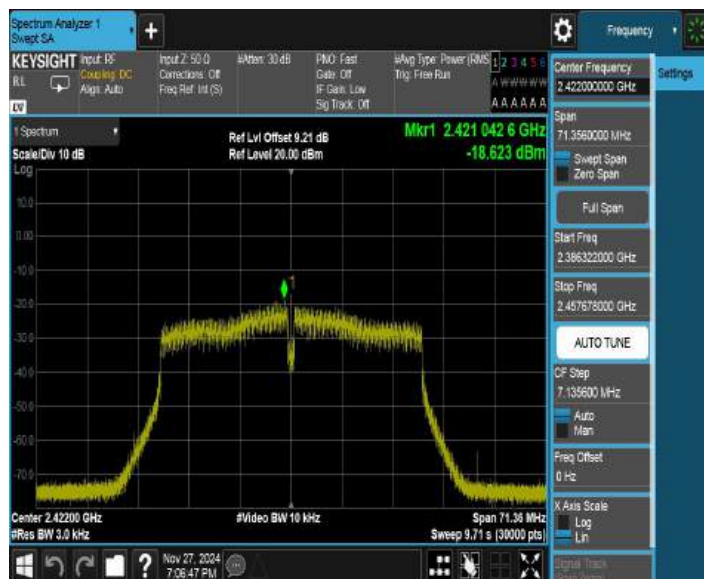
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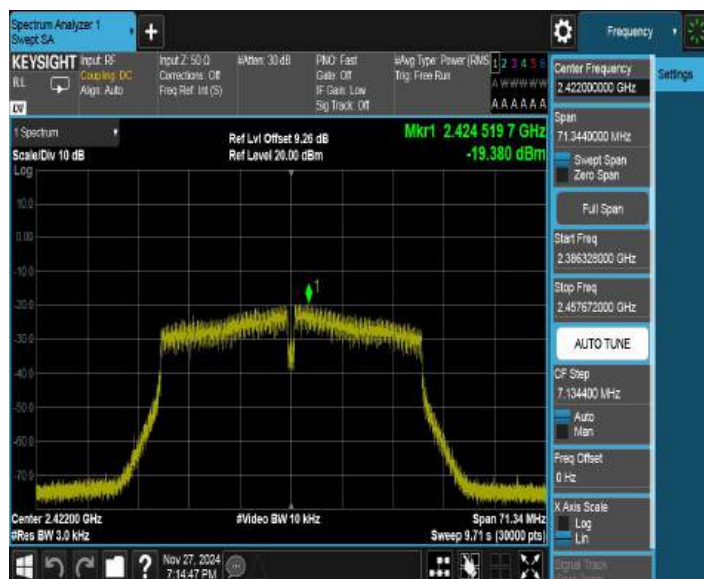
11N20MIMO_Ant2_2462



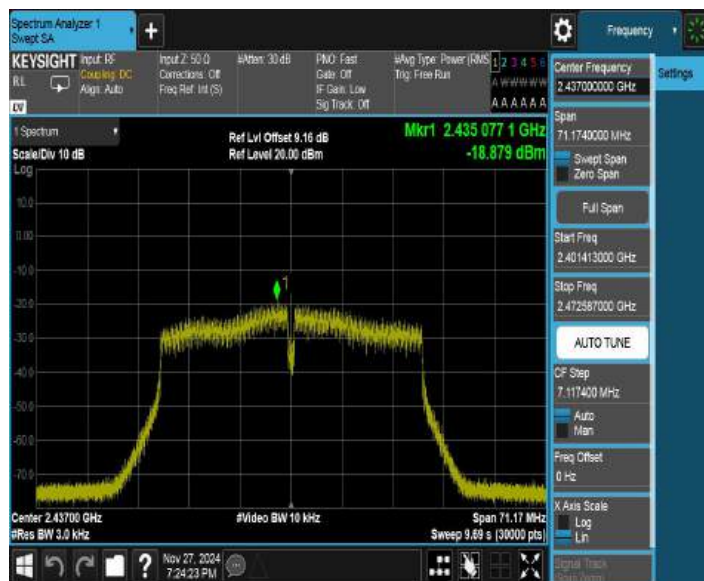
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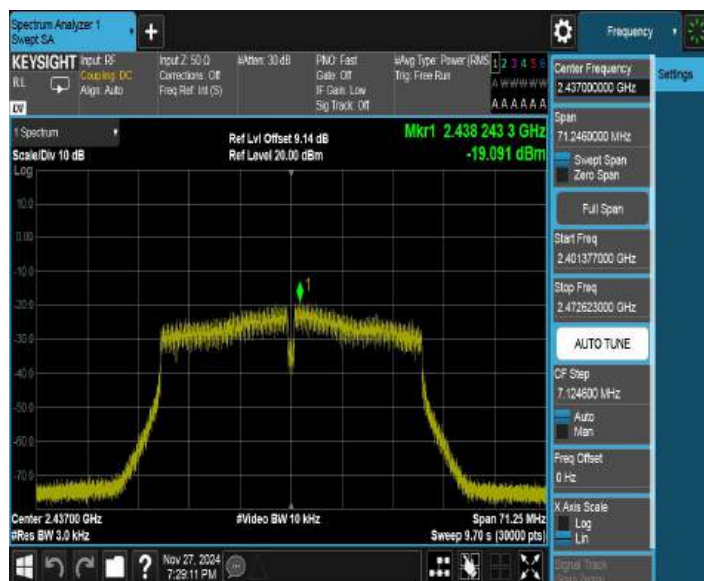
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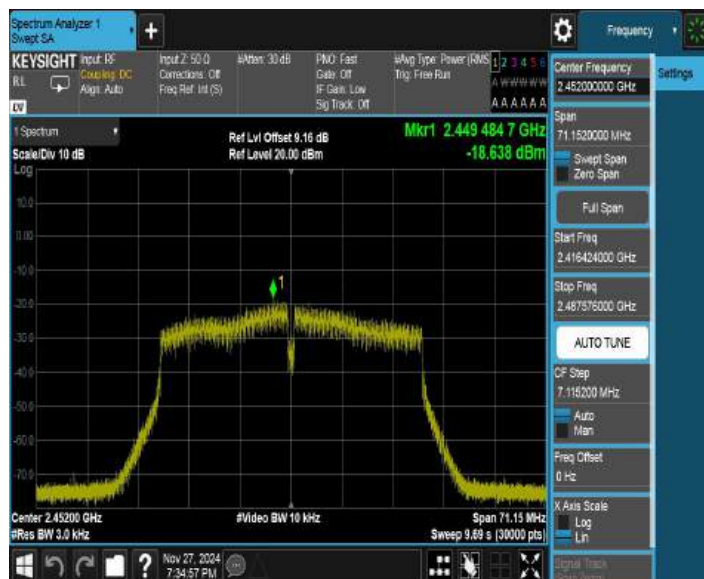
11N40MIMO_Ant1_2437



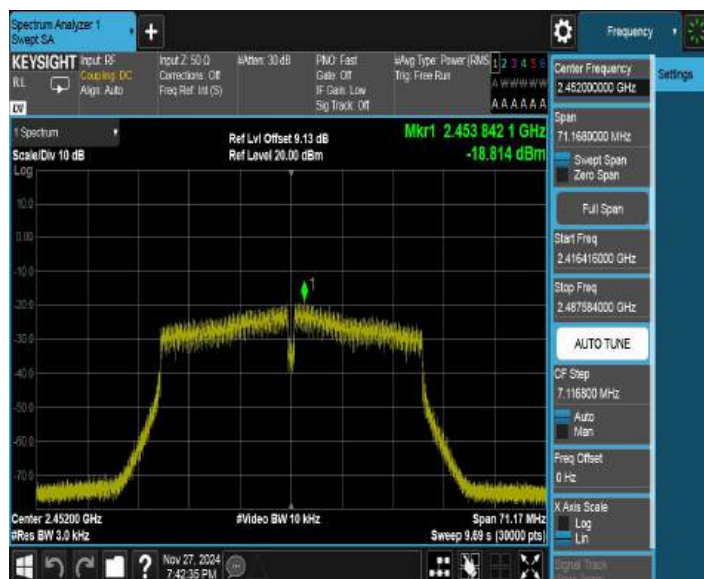
11N40MIMO_Ant2_2437



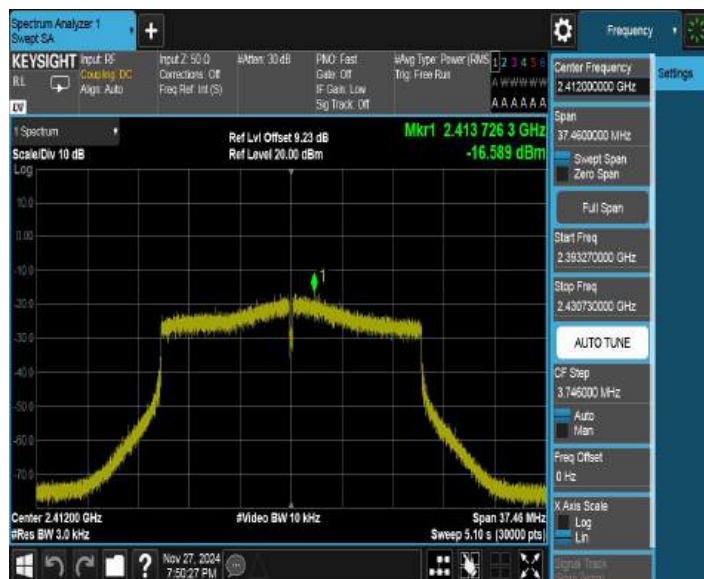
11N40MIMO_Ant1_2452



11N40MIMO_Ant2_2452



11AX20MIMO_Ant1_2412



11AX20MIMO_Ant2_2412



11AX20MIMO_Ant1_2437



11AX20MIMO_Ant2_2437



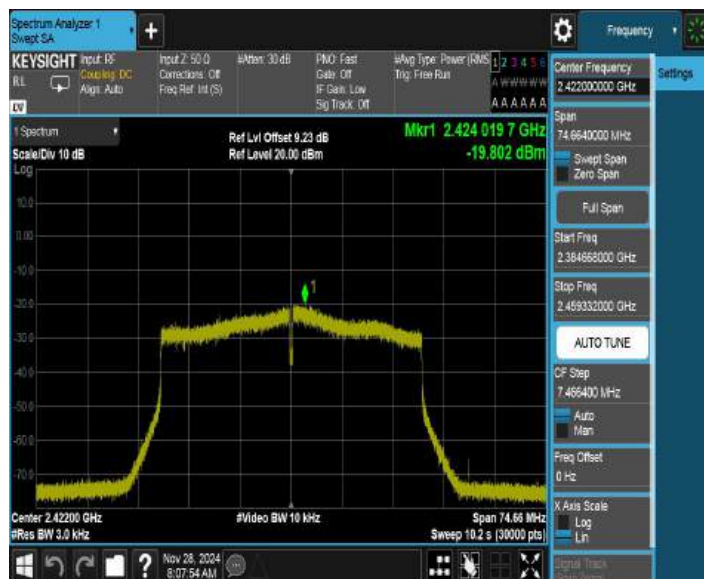
11AX20MIMO_Ant1_2462



11AX20MIMO_Ant2_2462



11AX40MIMO_Ant1_2422



11AX40MIMO_Ant2_2422



11AX40MIMO_Ant1_2437



11AX40MIMO_Ant2_2437



11AX40MIMO_Ant1_2452



11AX40MIMO_Ant2_2452



7.5. Conducted Band Edge and Out-of-Band Emissions

7.5.1. Test Limit

The limit for out-of-band spurious emissions at the band edge is 30dB below the fundamental emission level, as determined from the in-band power measurement of the DTS channel performed in a 100 kHz bandwidth per the PSD procedure.

7.5.2. Test Procedure Used

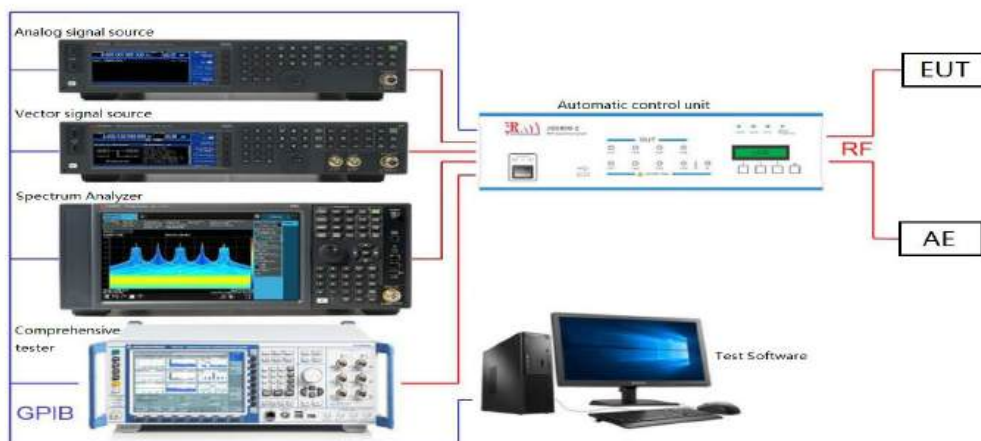
KDB 558074 D01 v05r02 - Section 8.5 & Section 8.6

ANSI C63.10 – Section 11.11&11.12

7.5.3. Test Settintng

- (a) Set the center frequency and span to encompass frequency range to be measured
- (b) RBW = 100kHz
- (c) VBW = 300kHz
- (d) Detector = RMS
- (e) Trace mode = max hold
- (f) Sweep time = auto couple
- (g) The trace was allowed to stabilize

7.5.4. Test Setup



7.5.5. Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	7.44	-44.83	≤-22.56	PASS
	Ant2	Low	2412	7.56	-46.67	≤-22.44	PASS
	Ant1	High	2462	7.76	-40.58	≤-22.24	PASS
	Ant2	High	2462	9.15	-47.72	≤-20.85	PASS
11G	Ant1	Low	2412	8.01	-34.42	≤-21.99	PASS
	Ant2	Low	2412	8.22	-33.6	≤-21.78	PASS
	Ant1	High	2462	8.18	-39.21	≤-21.82	PASS
	Ant2	High	2462	9.24	-49.07	≤-20.76	PASS
11N20SISO	Ant1	Low	2412	7.87	-33.06	≤-22.13	PASS
	Ant2	Low	2412	7.27	-32.69	≤-22.73	PASS
	Ant1	High	2462	8.34	-48.65	≤-21.66	PASS
	Ant2	High	2462	7.64	-48.66	≤-22.36	PASS
11N40SISO	Ant1	Low	2422	2.75	-37.63	≤-27.26	PASS
	Ant2	Low	2422	4.24	-37.25	≤-25.76	PASS
	Ant1	High	2452	4.34	-48.02	≤-25.66	PASS
	Ant2	High	2452	4.45	-47.4	≤-25.55	PASS
11AX20SISO	Ant1	Low	2412	6.78	-33.11	≤-23.22	PASS
	Ant2	Low	2412	7.57	-32.05	≤-22.43	PASS
	Ant1	High	2462	8.42	-43.26	≤-21.59	PASS
	Ant2	High	2462	9.10	-47.07	≤-20.9	PASS
11AX40SISO	Ant1	Low	2422	4.09	-37.56	≤-25.91	PASS
	Ant2	Low	2422	3.92	-35.63	≤-26.08	PASS
	Ant1	High	2452	4.37	-47.06	≤-25.64	PASS
	Ant2	High	2452	4.35	-47.64	≤-25.65	PASS
11B-CDD	Ant1	Low	2412	6.27	-48.37	≤-23.73	PASS
	Ant2	Low	2412	5.97	-48.29	≤-24.03	PASS
	Ant1	High	2462	7.14	-47.28	≤-22.87	PASS
	Ant2	High	2462	6.42	-48.64	≤-23.58	PASS
11G-CDD	Ant1	Low	2412	6.16	-36.57	≤-23.84	PASS
	Ant2	Low	2412	4.12	-36.82	≤-25.88	PASS
	Ant1	High	2462	5.54	-45.68	≤-24.46	PASS
	Ant2	High	2462	6.62	-47.83	≤-23.38	PASS
11N20MIMO	Ant1	Low	2412	5.10	-34.67	≤-24.9	PASS

	Ant2	Low	2412	4.64	-34.99	≤ -25.36	PASS
	Ant1	High	2462	6.41	-47.26	≤ -23.59	PASS
	Ant2	High	2462	5.35	-46.61	≤ -24.65	PASS
11N40MIMO	Ant1	Low	2422	1.43	-39.46	≤ -28.58	PASS
	Ant2	Low	2422	1.51	-40.31	≤ -28.49	PASS
	Ant1	High	2452	2.14	-44.55	≤ -27.86	PASS
	Ant2	High	2452	1.44	-47.67	≤ -28.56	PASS
11AX20MIMO	Ant1	Low	2412	4.74	-35.27	≤ -25.26	PASS
	Ant2	Low	2412	4.73	-35.7	≤ -25.28	PASS
	Ant1	High	2462	4.51	-44.65	≤ -25.49	PASS
	Ant2	High	2462	5.88	-48.71	≤ -24.12	PASS
11AX40MIMO	Ant1	Low	2422	1.73	-40.08	≤ -28.27	PASS
	Ant2	Low	2422	2.07	-39.23	≤ -27.93	PASS
	Ant1	High	2452	1.77	-45.95	≤ -28.23	PASS
	Ant2	High	2452	0.51	-49.68	≤ -29.49	PASS

Test Mode	Antenna	Frequency [MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	7.56	7.56	---	PASS
			30~1000	7.56	-61.1	≤ -22.44	PASS
			1000~26500	7.56	-48.84	≤ -22.44	PASS
	Ant2	2412	Reference	7.01	7.01	---	PASS
			30~1000	7.01	-61.64	≤ -22.99	PASS
			1000~26500	7.01	-43.5	≤ -22.99	PASS
	Ant1	2437	Reference	7.14	7.14	---	PASS
			30~1000	7.14	-62.13	≤ -22.86	PASS
			1000~26500	7.14	-44.74	≤ -22.86	PASS
	Ant2	2437	Reference	7.01	7.01	---	PASS
			30~1000	7.01	-61.28	≤ -22.99	PASS
			1000~26500	7.01	-33.37	≤ -22.99	PASS
	Ant1	2462	Reference	7.39	7.39	---	PASS
			30~1000	7.39	-61.91	≤ -22.61	PASS
			1000~26500	7.39	-46.13	≤ -22.61	PASS
	Ant2	2462	Reference	8.03	8.03	---	PASS
			30~1000	8.03	-61.94	≤ -21.97	PASS
			1000~26500	8.03	-46.83	≤ -21.97	PASS