

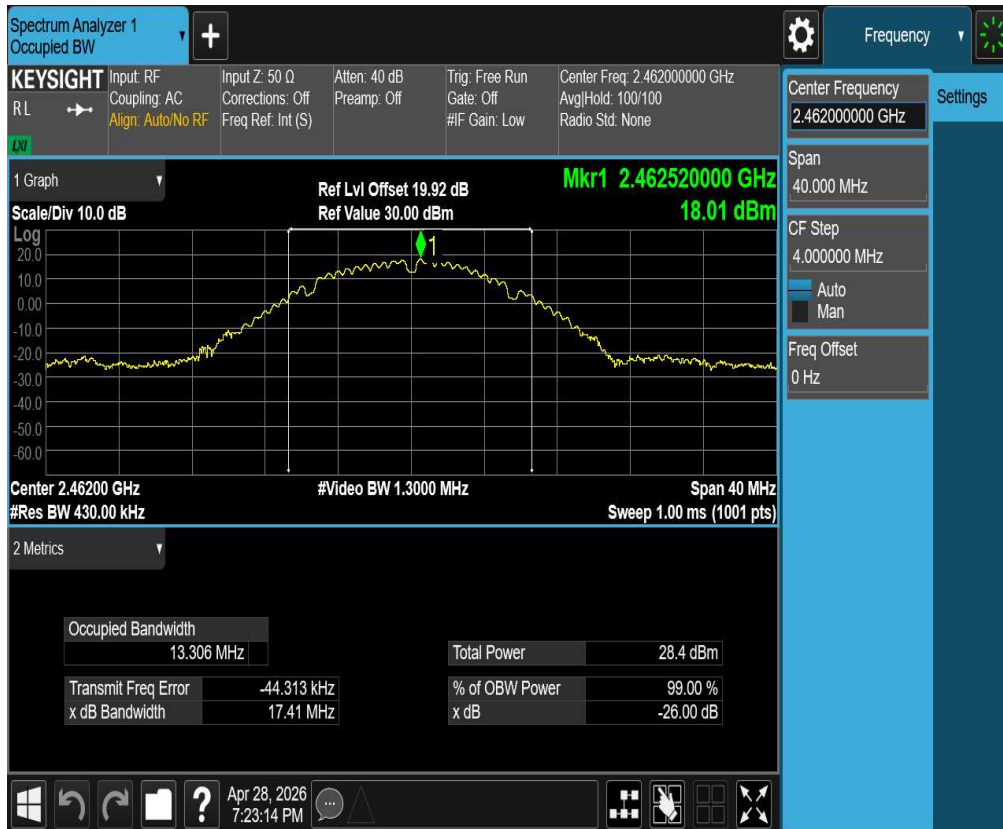
11B-CDD_Ant0_2437



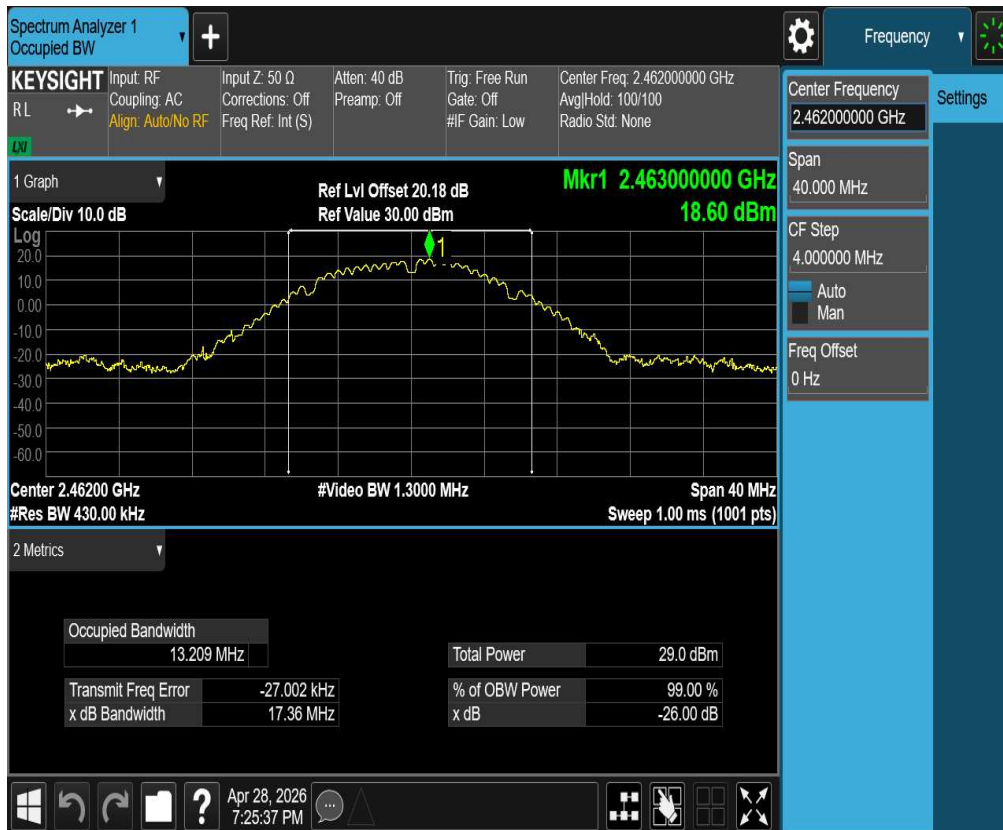
11B-CDD_Ant1_2437



11B-CDD_Ant0_2462



11B-CDD_Ant1_2462



11G-CDD_Ant0_2412



11G-CDD_Ant1_2412



11G-CDD_Ant0_2437



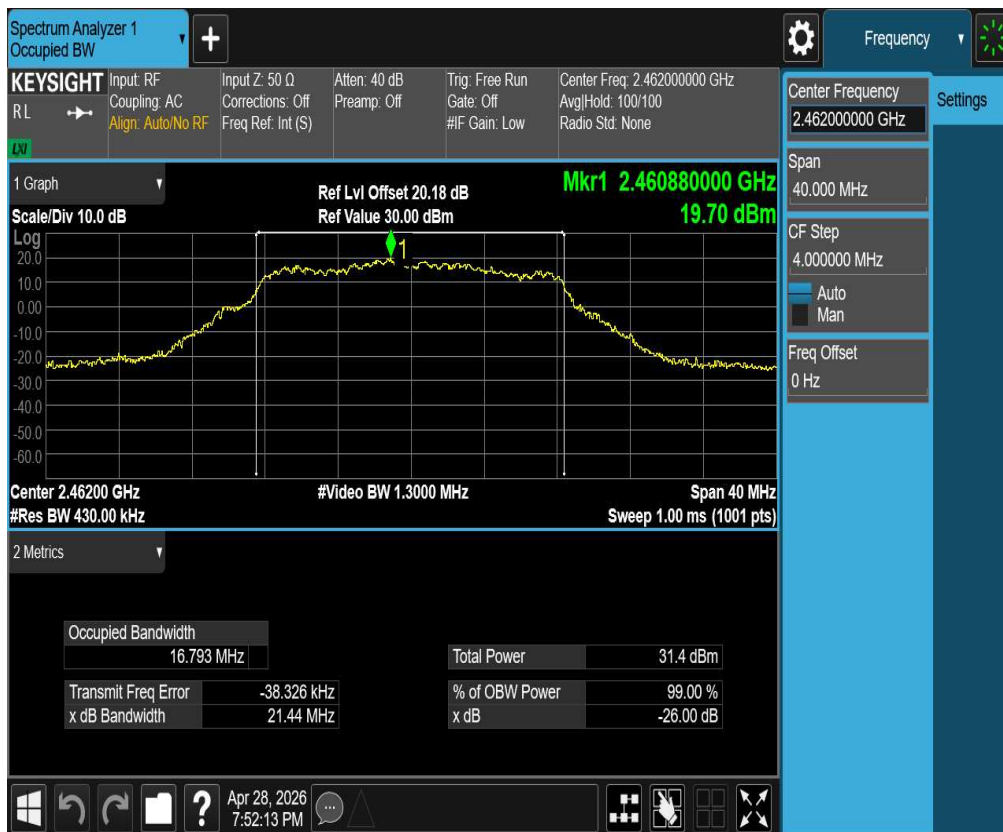
11G-CDD_Ant1_2437



11G-CDD_Ant0_2462



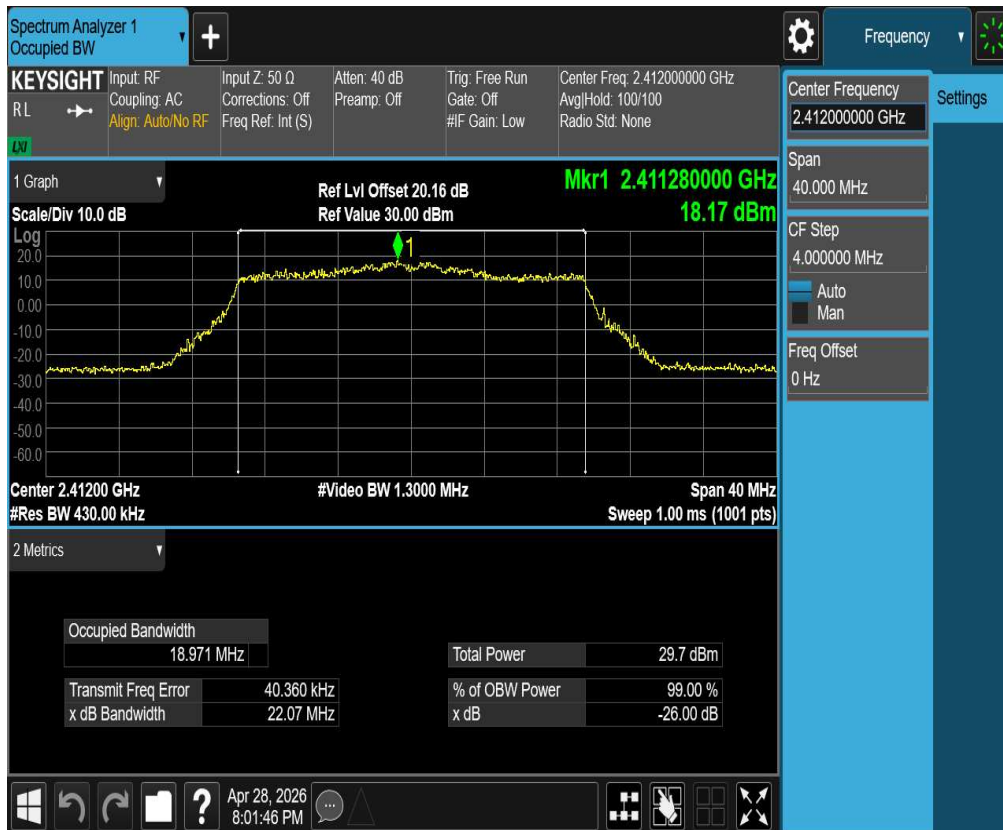
11G-CDD_Ant1_2462



11AX20MIMO_Ant0_2412



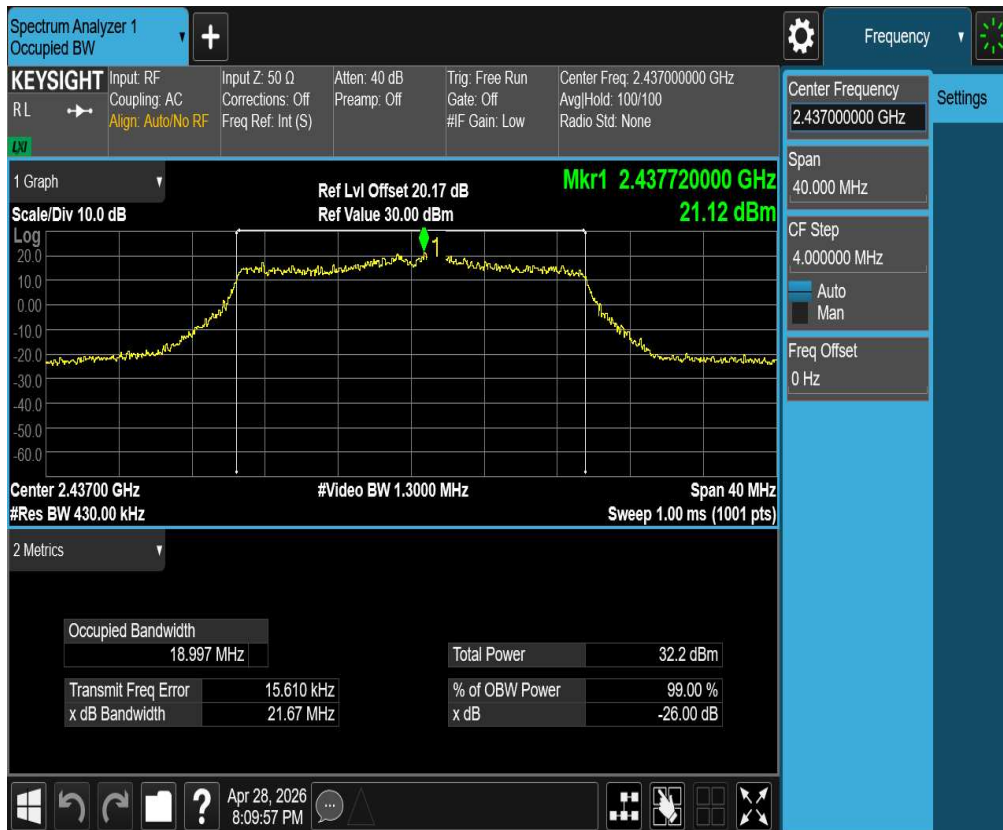
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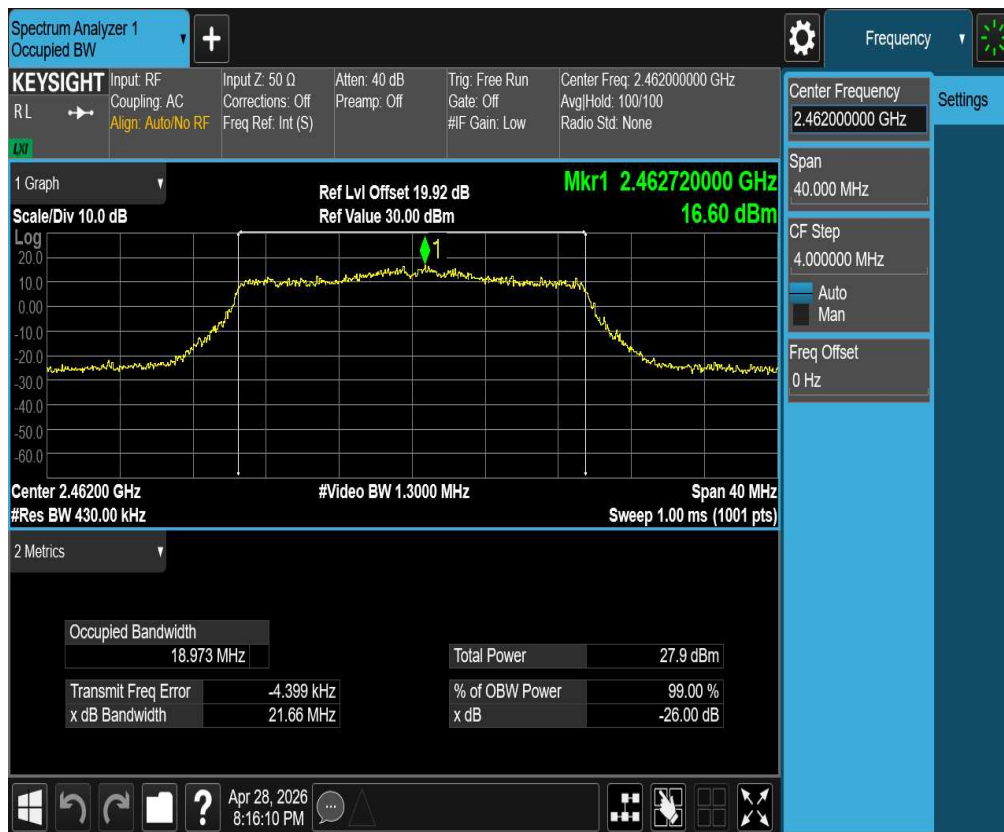
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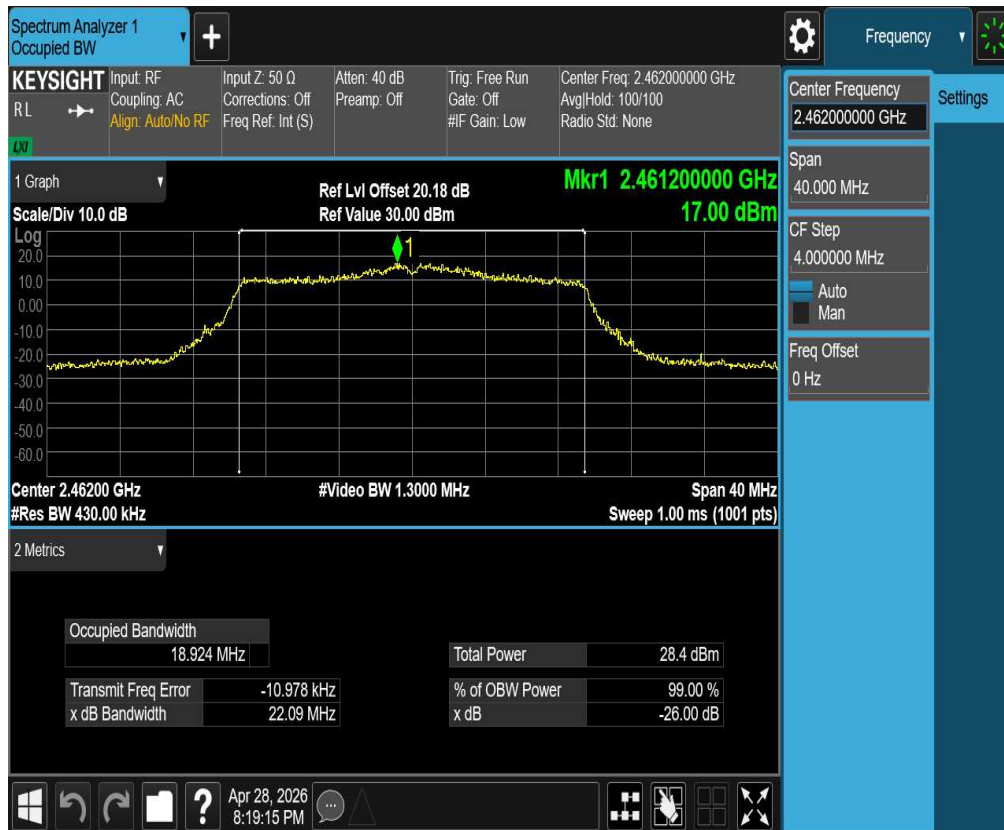
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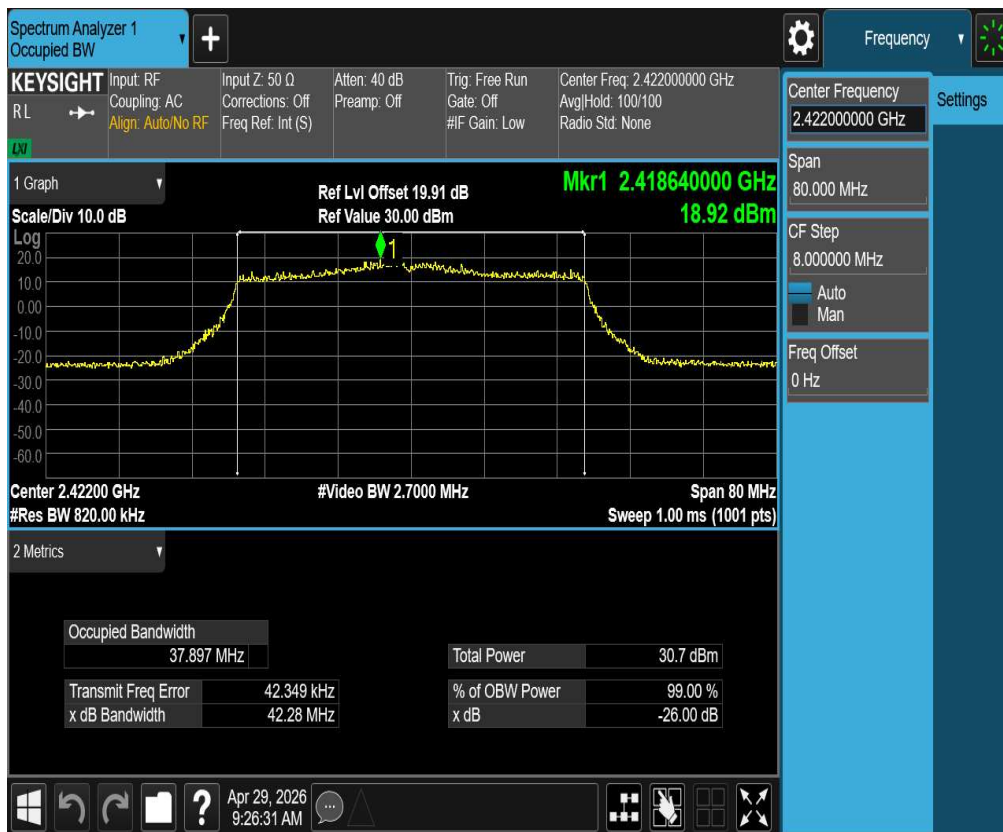
11AX20MIMO_Ant0_2462



11AX20MIMO_Ant1_2462



11AX40MIMO_Ant0_2422



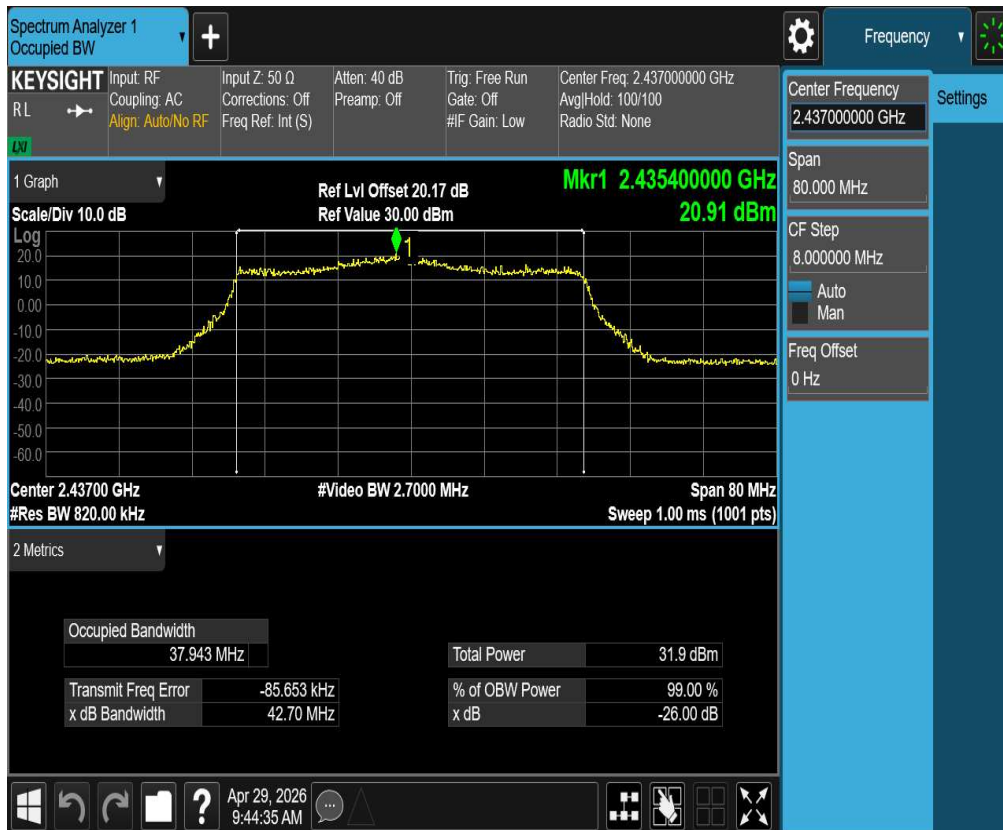
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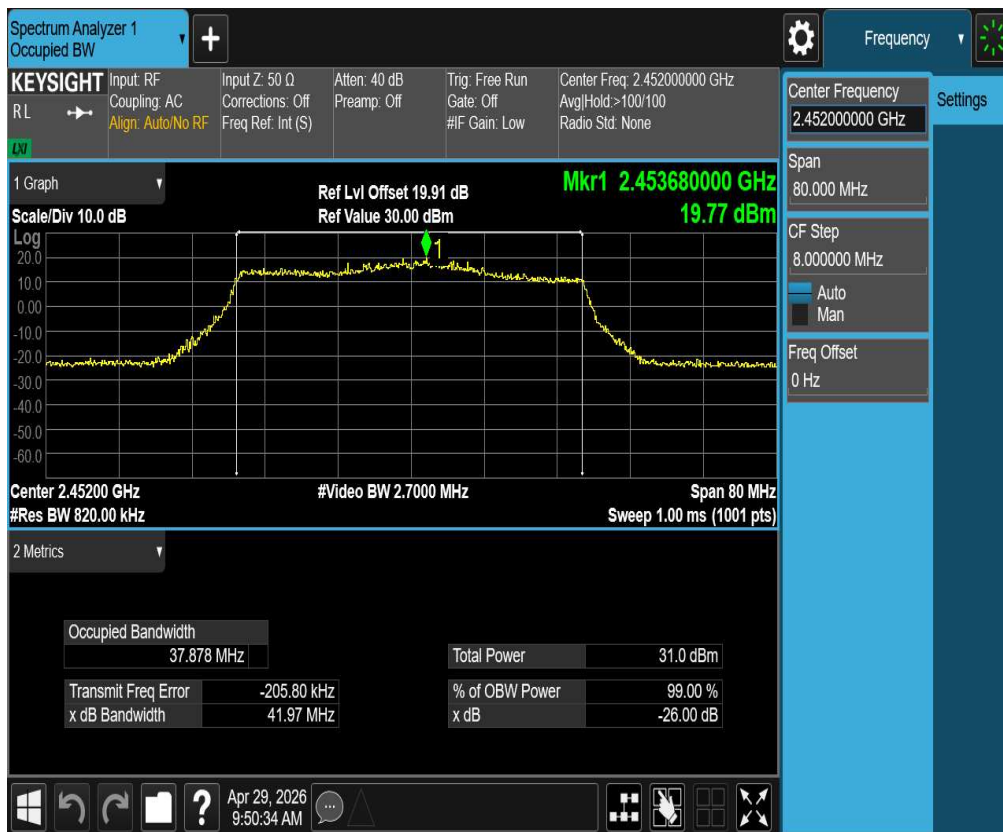
11AX40MIMO_Ant0_2437



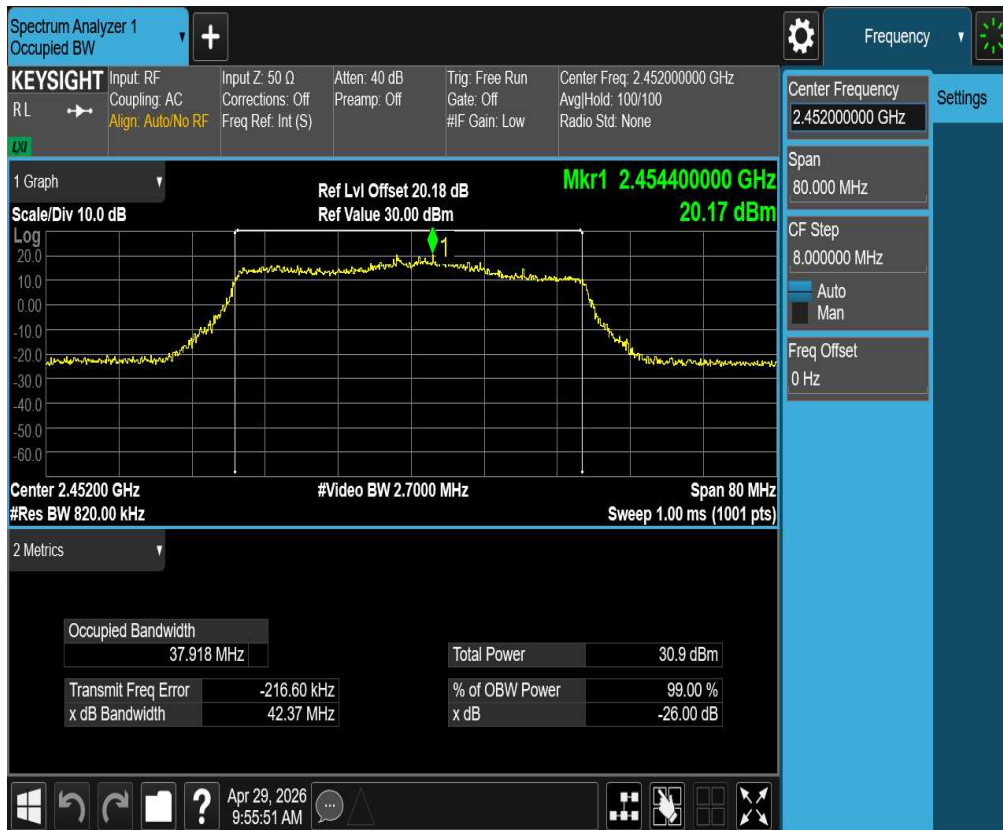
11AX40MIMO_Ant1_2437



11AX40MIMO_Ant0_2452



11AX40MIMO_Ant1_2452



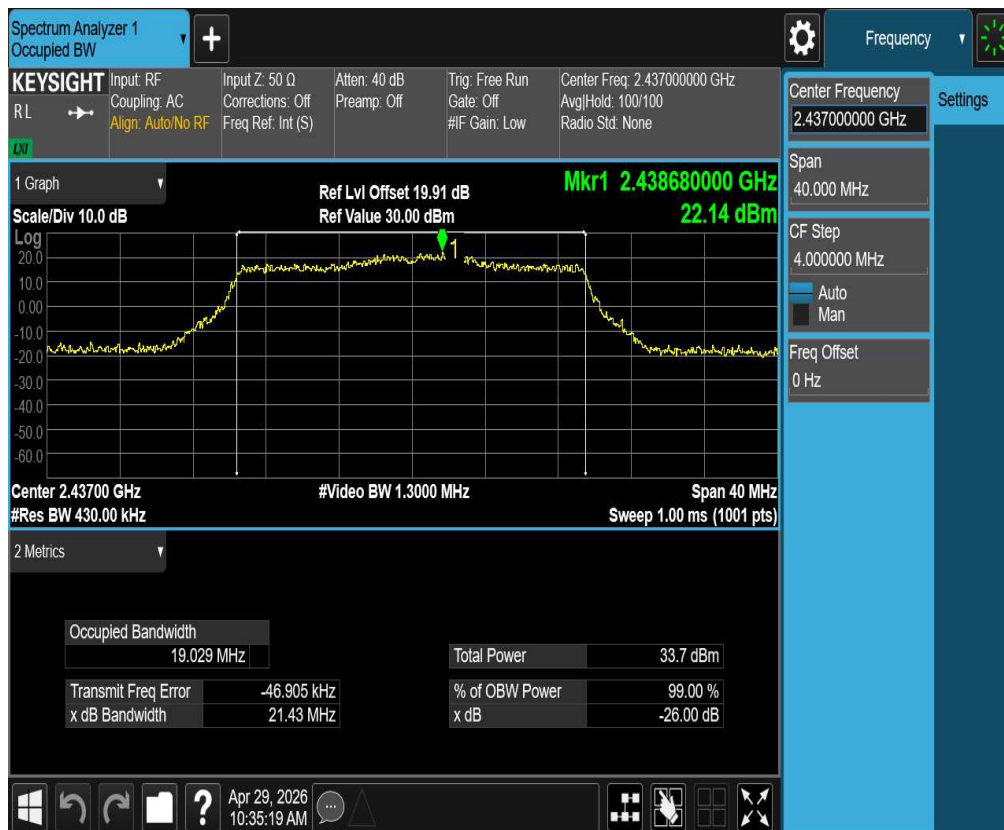
11BE20MIMO_Ant0_2412



11BE20MIMO_Ant1_2412



11BE20MIMO_Ant0_2437



11BE20MIMO_Ant1_2437



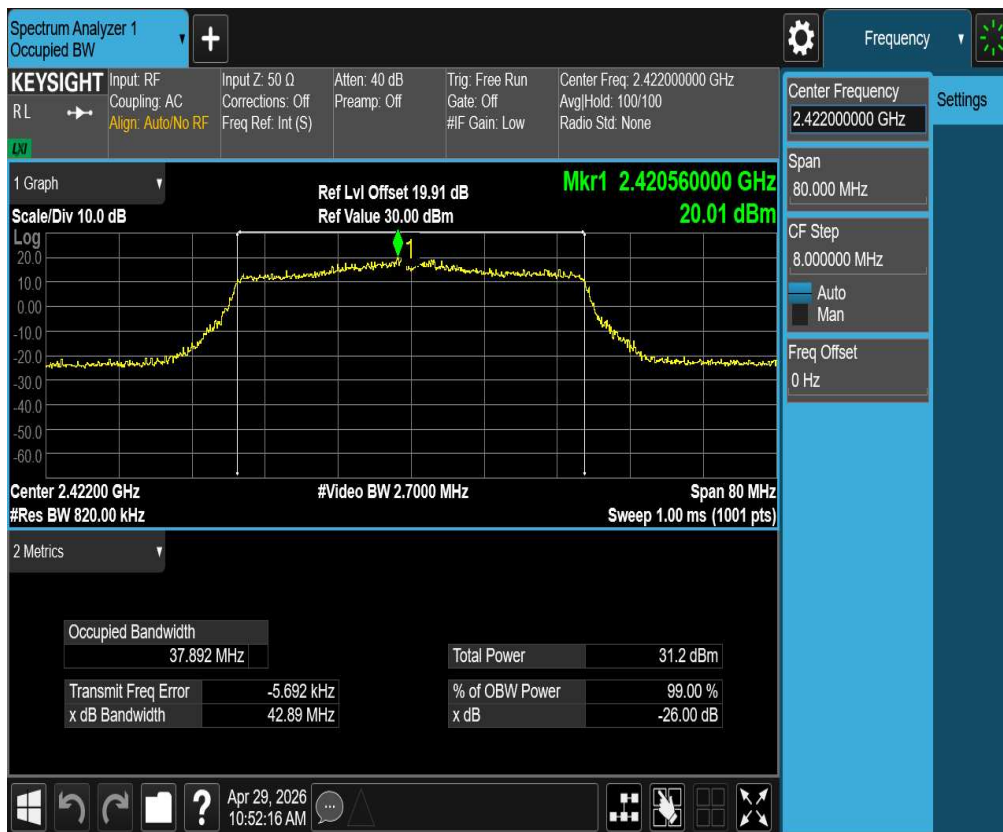
11BE20MIMO_Ant0_2462



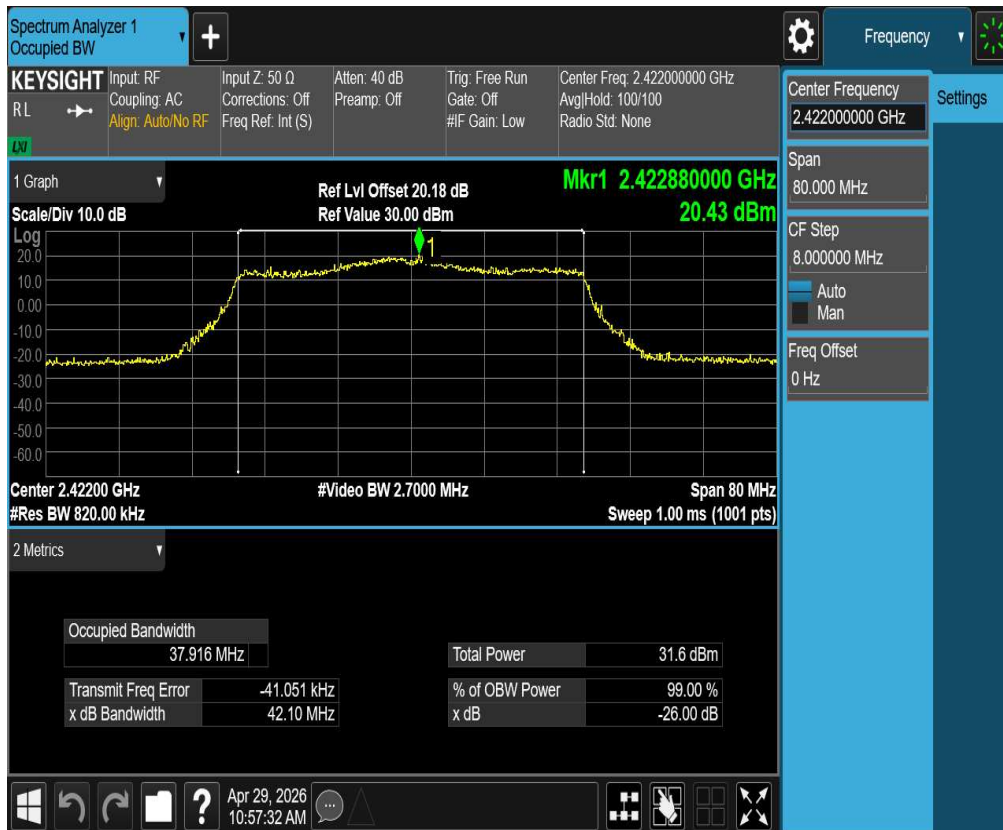
11BE20MIMO_Ant1_2462



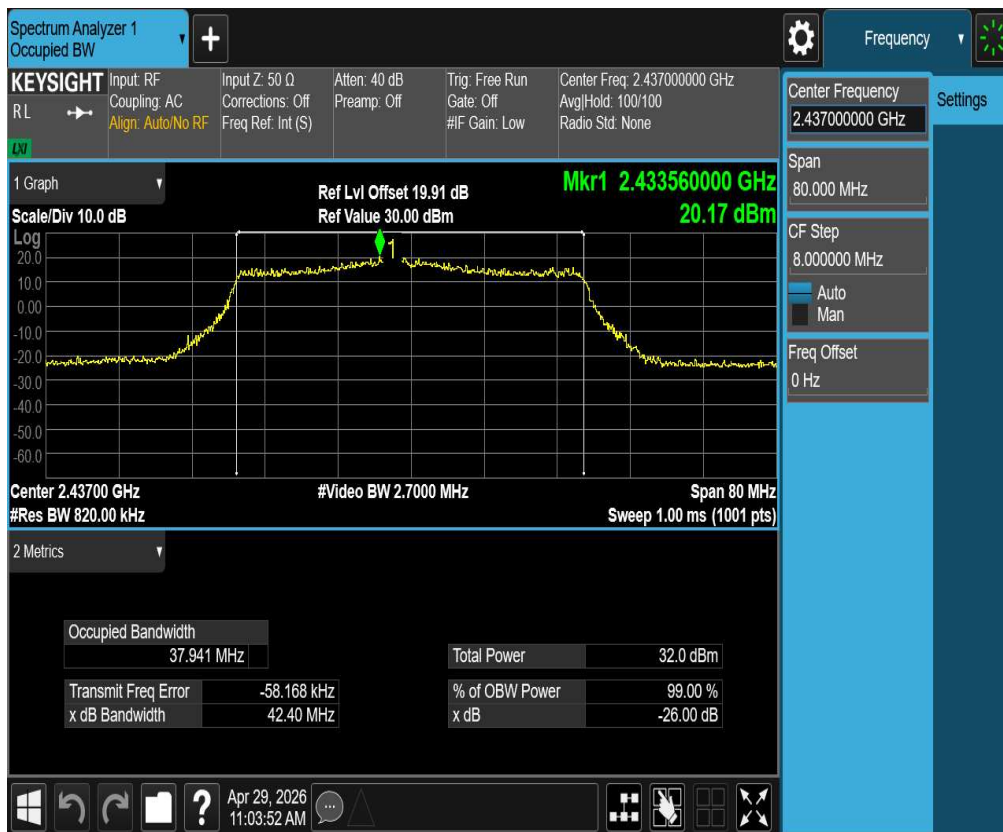
11BE40MIMO_Ant0_2422



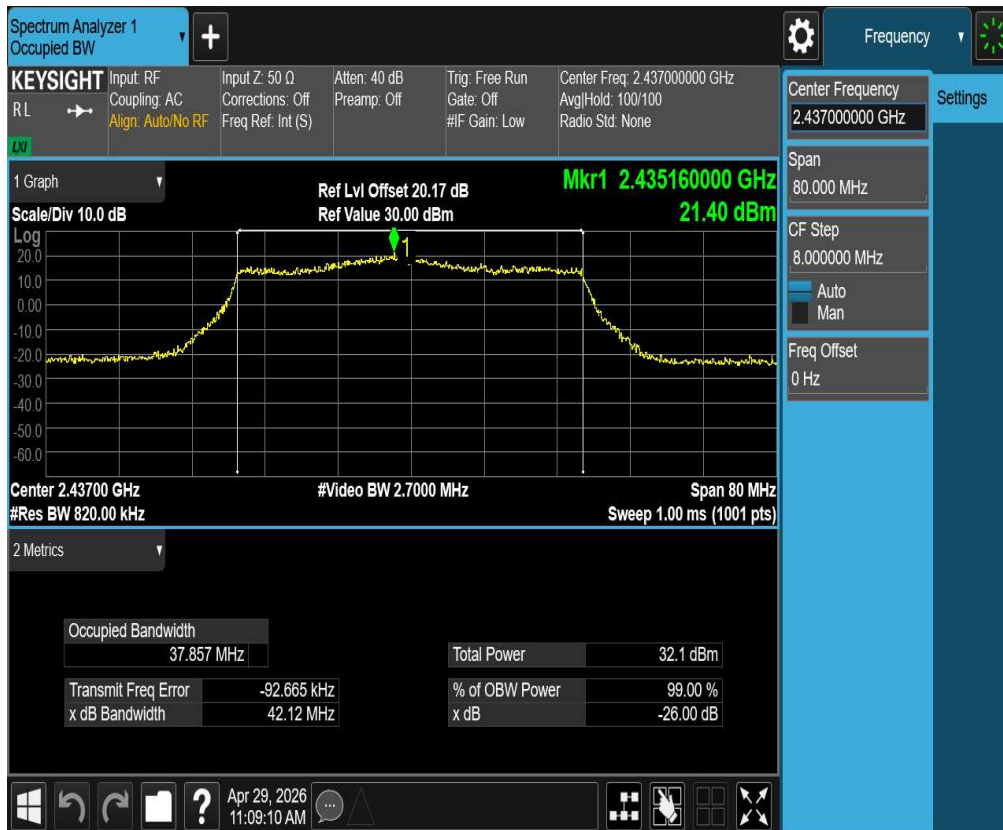
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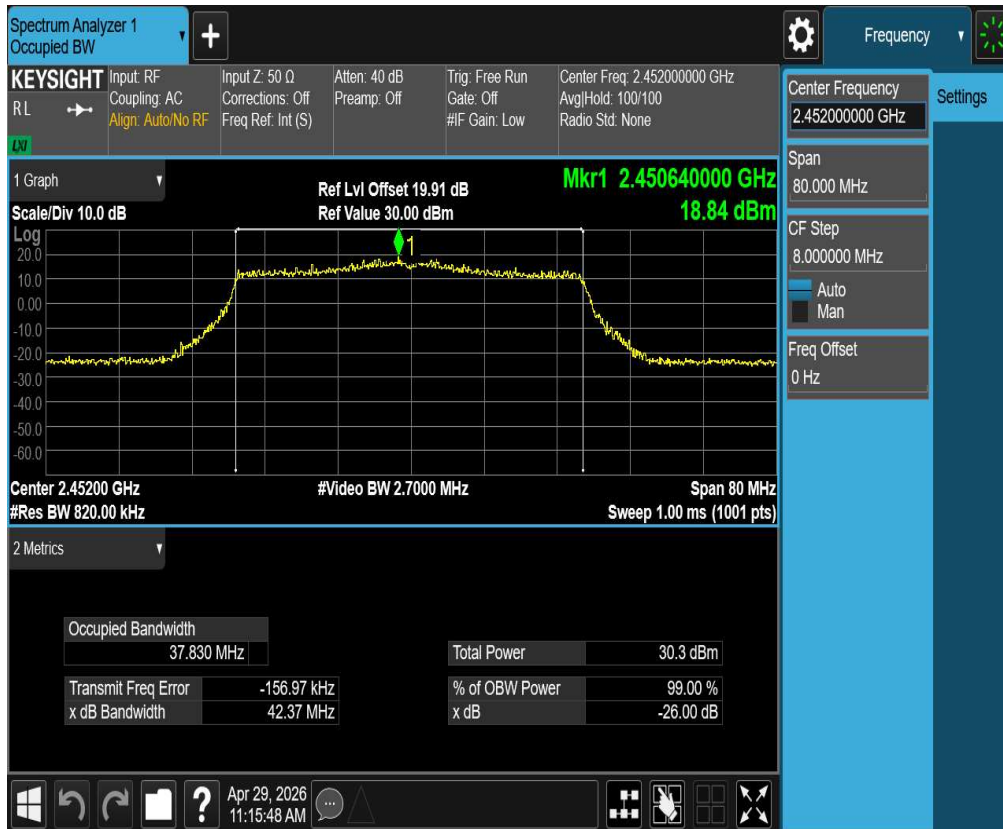
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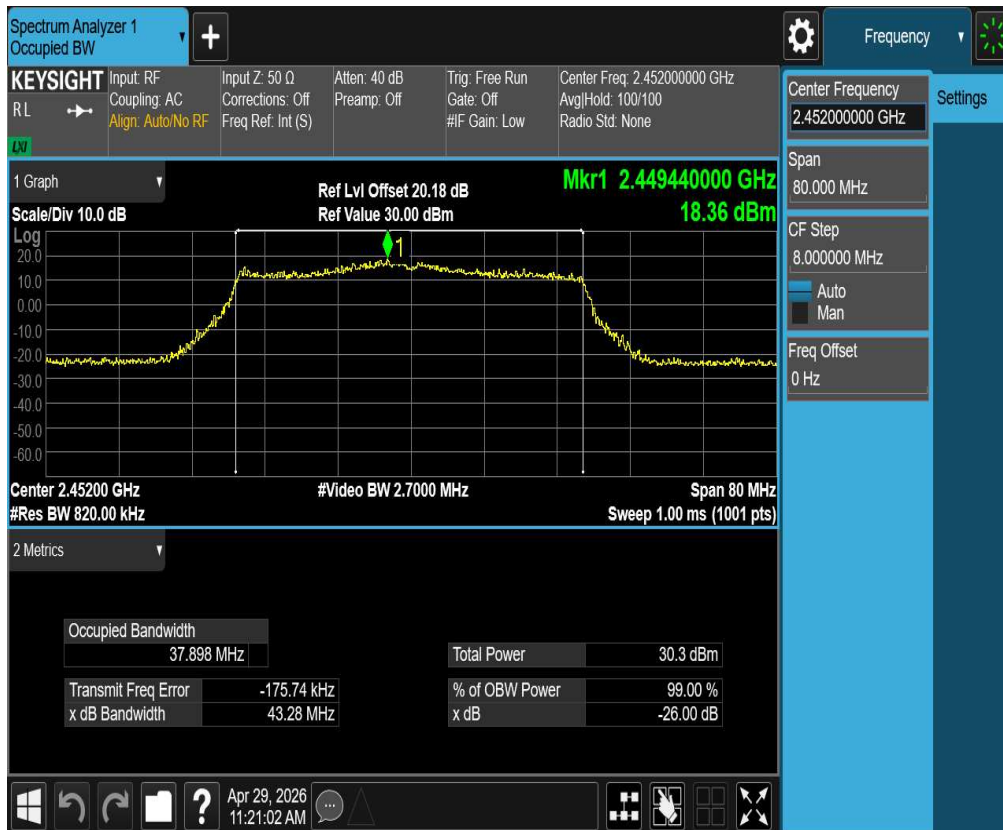
11BE40MIMO_Ant1_2437



11BE40MIMO_Ant0_2452



11BE40MIMO_Ant1_2452



3.5 Maximum conducted output power

3.5.1 Limit

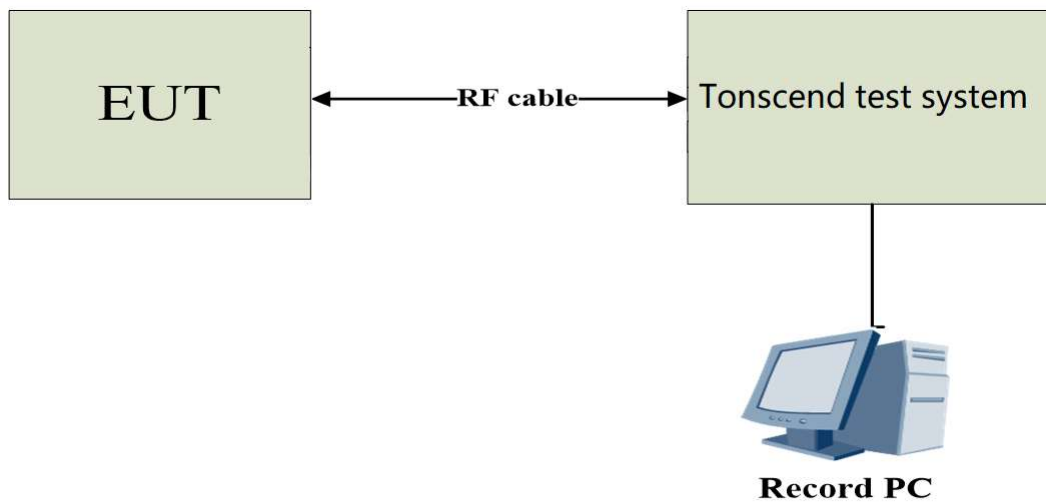
For systems using digital modulation in the 2400~2483.5MHz, The Maximum output Power shall not exceed 1W(30dBm)

3.5.2 Test Procedure

Test Method	
☒ Conducted Measurement	☐ Radiated Measurement
Test Channels	
☒ Lowest, Middle and Highest Channel	☐ Lowest and Highest Channel
Environmental conditions	
☒ Normal	☐ Normal and Extreme
Note: ☒ : Test ☐ : No Test	

- The EUT was directly connected to the tonscond test system and antenna output port as show in the block diagram below.
- The maximum conducted output power was performed in accordance with method 11.9.2.3 (for average power) of ANSI C63.10-2020 and FCC KDB 662911 D01 v02r01 Multiple Transmitter Output.

3.5.3 Test Setup



3.5.4 Table of Parameters of Text Software Setting

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

No beamforming

Test Software Version	QSRP		
Frequency (MHz)	2412	2437	2462
IEEE 802.11b	22.5	23.5	25
IEEE 802.11g	23.5	25	23.5
IEEE 802.11ax(20)	20.5	23.5	19.5
IEEE 802.11be(20)	23	25	23.5
Frequency (MHz)	2422	2437	2452
IEEE 802.11ax(40)	21.5	22	21.5
IEEE 802.11be(40)	22	22.5	21

Beamforming

Test Software Version	QSRP		
Frequency (MHz)	2412	2437	2462
IEEE 802.11ax(20)	20.5	23.5	19.5
IEEE 802.11be(20)	23	25	23.5
Frequency (MHz)	2422	2437	2452
IEEE 802.11ax(40)	21.5	22	21.5
IEEE 802.11be(40)	22	22.5	21

3.5.5 The Result

No beamforming

Test Mode	Antenna	Frequency[MHz]	Result [dBm]	Conducted Limit[dBm]	Verdict
11B-CDD	Ant0	2412	21.98	≤30.00	PASS
	Ant1	2412	22.35	≤30.00	PASS
	total	2412	25.18	≤30.00	PASS
	Ant0	2437	24.02	≤30.00	PASS
	Ant1	2437	24.55	≤30.00	PASS
	total	2437	27.30	≤30.00	PASS
	Ant0	2462	24.46	≤30.00	PASS
	Ant1	2462	25.01	≤30.00	PASS
	total	2462	27.75	≤30.00	PASS
11G-CDD	Ant0	2412	23.44	≤30.00	PASS
	Ant1	2412	23.79	≤30.00	PASS
	total	2412	26.63	≤30.00	PASS
	Ant0	2437	25.64	≤30.00	PASS
	Ant1	2437	25.78	≤30.00	PASS
	total	2437	28.72	≤30.00	PASS
	Ant0	2462	23.40	≤30.00	PASS
	Ant1	2462	23.84	≤30.00	PASS
	total	2462	26.64	≤30.00	PASS
11AX20MIMO	Ant0	2412	20.16	≤30.00	PASS
	Ant1	2412	20.93	≤30.00	PASS
	total	2412	23.57	≤30.00	PASS
	Ant0	2437	22.84	≤30.00	PASS
	Ant1	2437	23.12	≤30.00	PASS
	total	2437	25.99	≤30.00	PASS
	Ant0	2462	19.33	≤30.00	PASS
	Ant1	2462	19.52	≤30.00	PASS
	total	2462	22.44	≤30.00	PASS
11AX40MIMO	Ant0	2422	21.78	≤30.00	PASS
	Ant1	2422	22.47	≤30.00	PASS
	total	2422	25.15	≤30.00	PASS
	Ant0	2437	22.66	≤30.00	PASS
	Ant1	2437	22.93	≤30.00	PASS
	total	2437	25.81	≤30.00	PASS
	Ant0	2452	22.06	≤30.00	PASS
	Ant1	2452	22.40	≤30.00	PASS
	total	2452	25.24	≤30.00	PASS
11BE20MIMO	Ant0	2412	22.78	≤30.00	PASS
	Ant1	2412	23.60	≤30.00	PASS