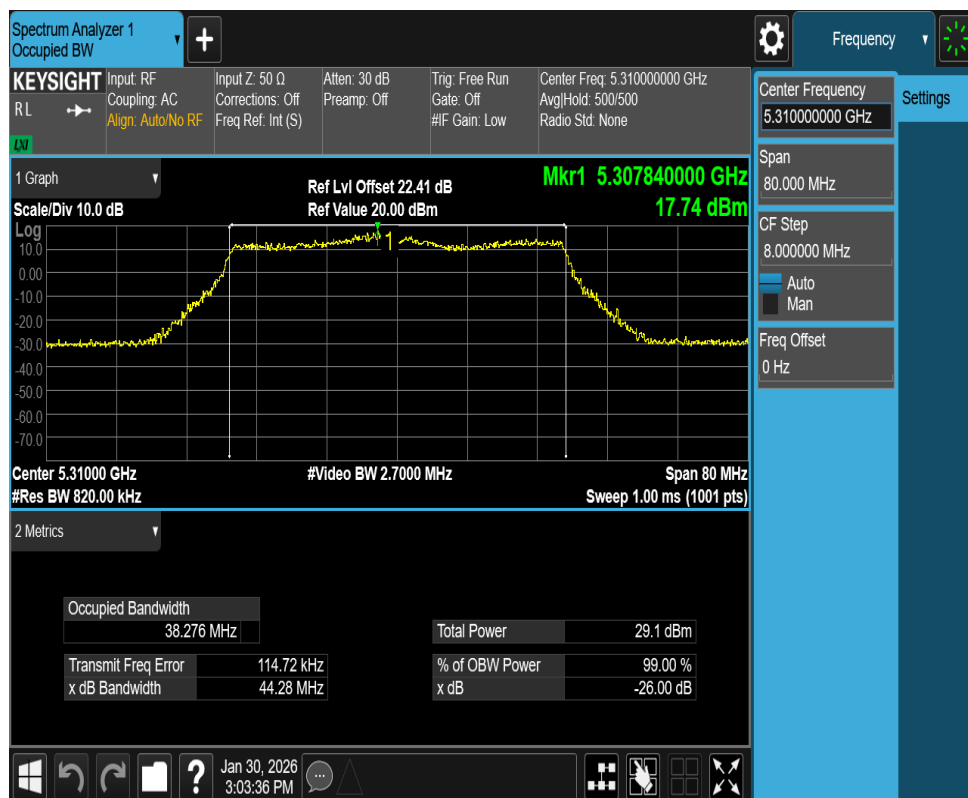
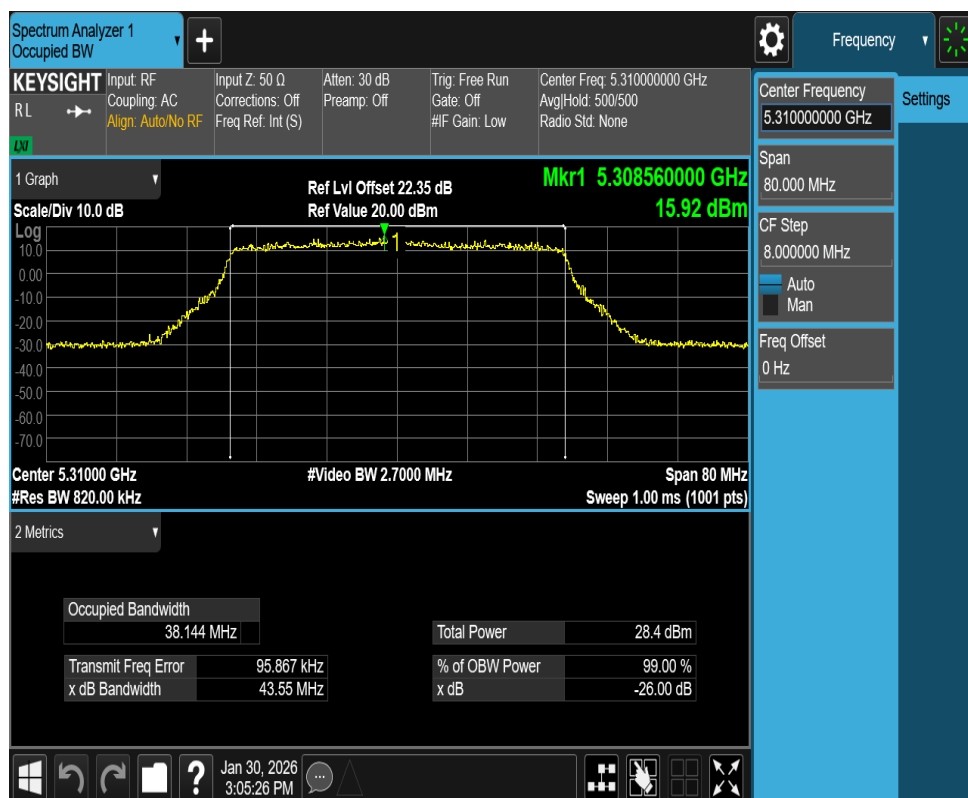


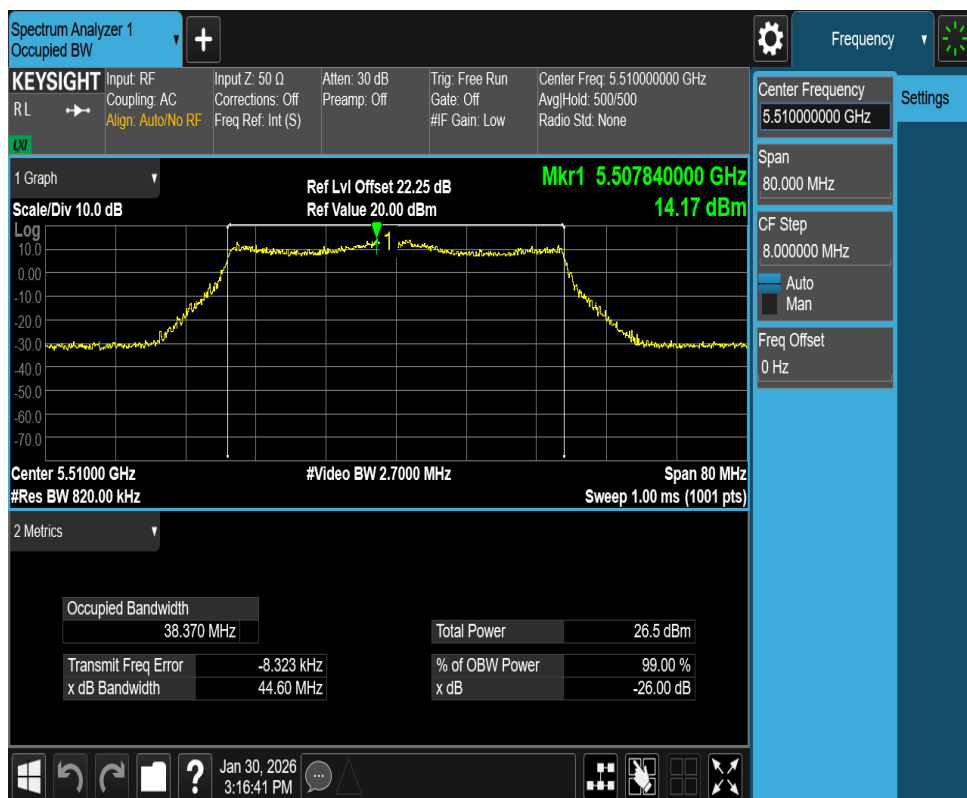
11AX40MIMO_Ant0_5310



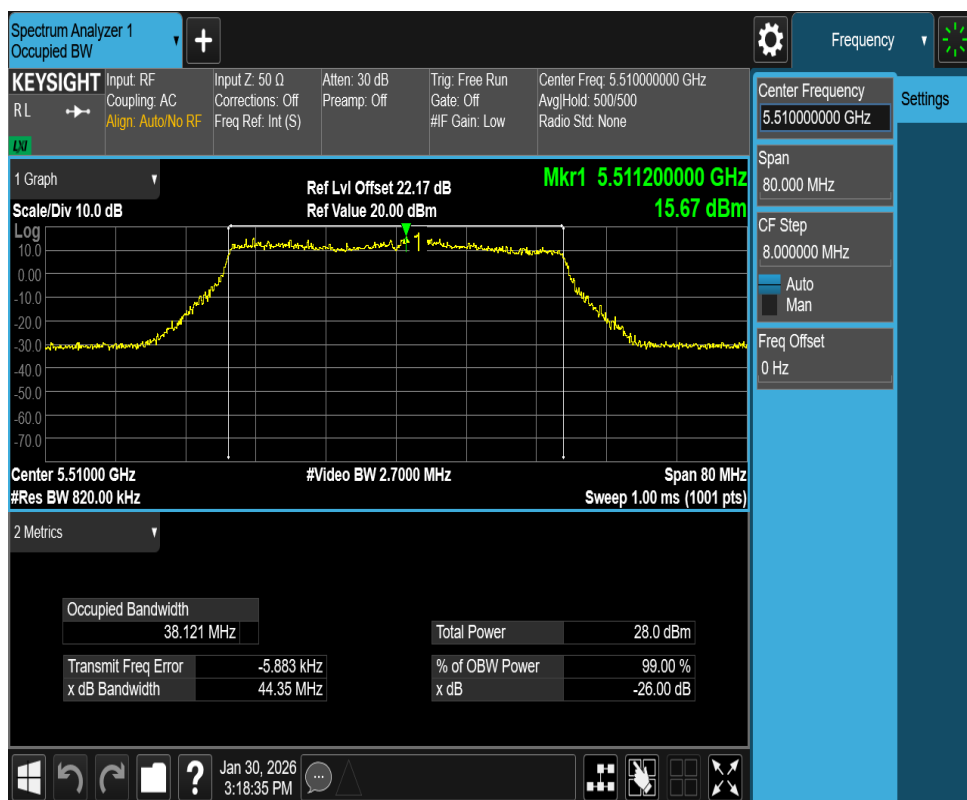
11AX40MIMO_Ant1_5310



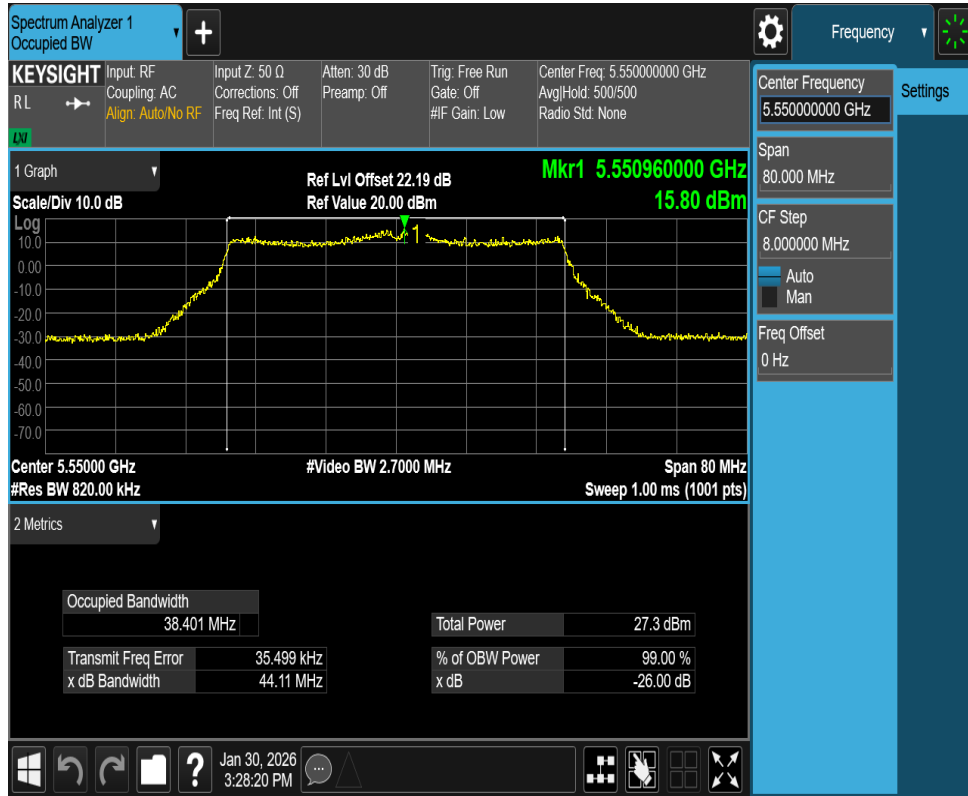
11AX40MIMO_Ant0_5510



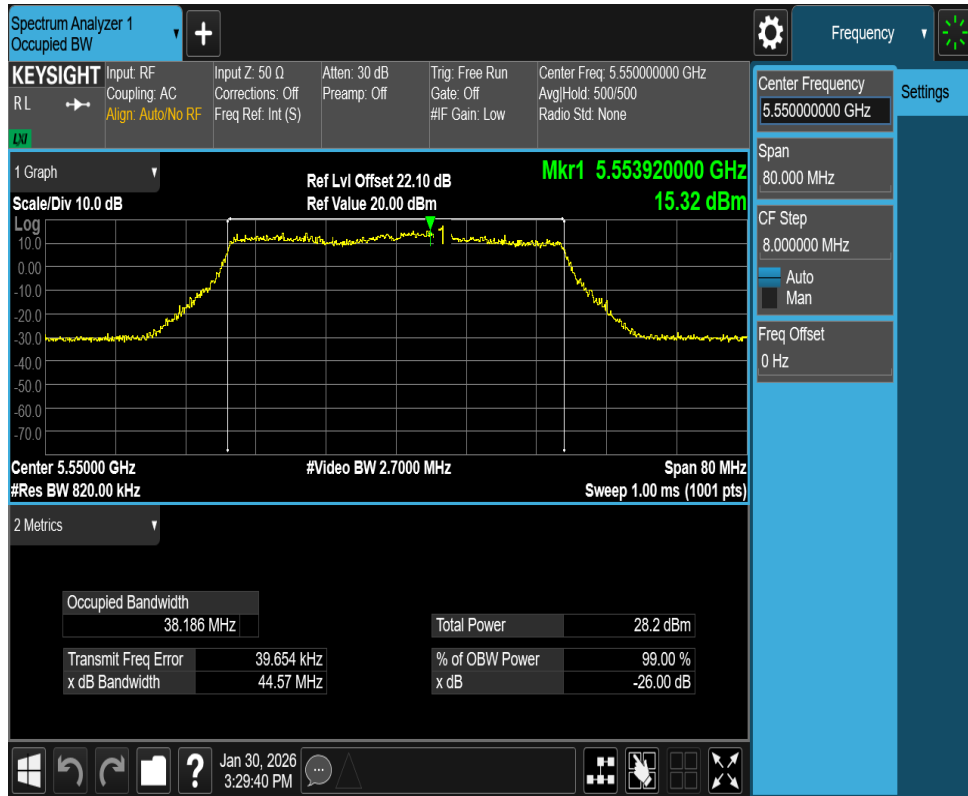
11AX40MIMO_Ant1_5510



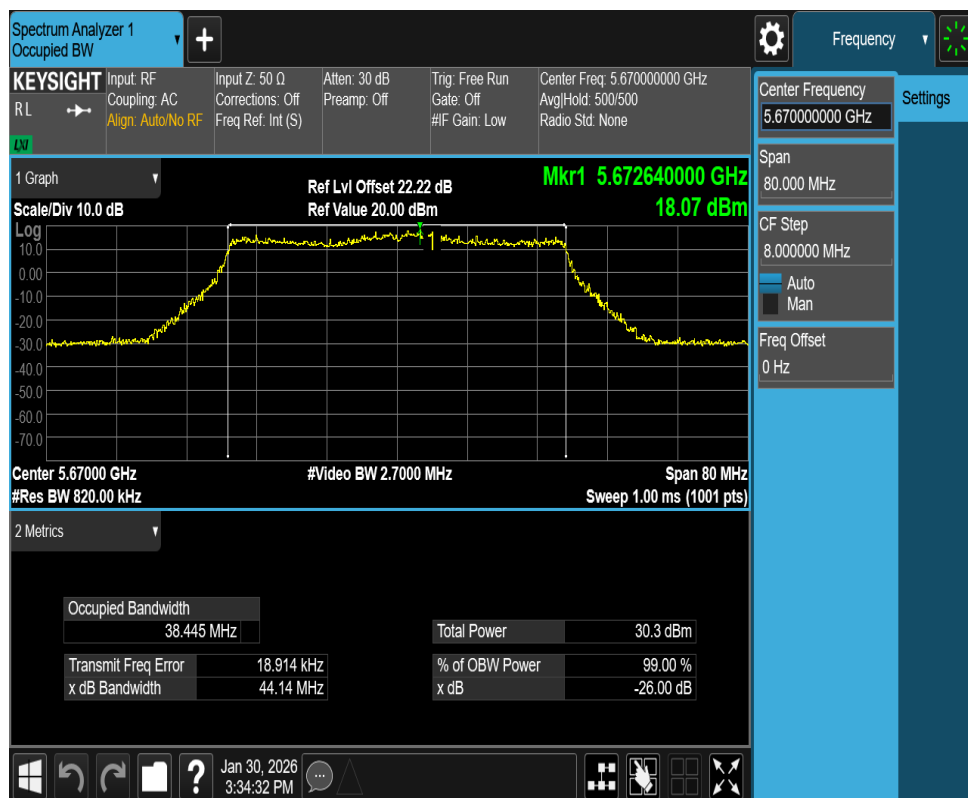
11AX40MIMO_Ant0_5550



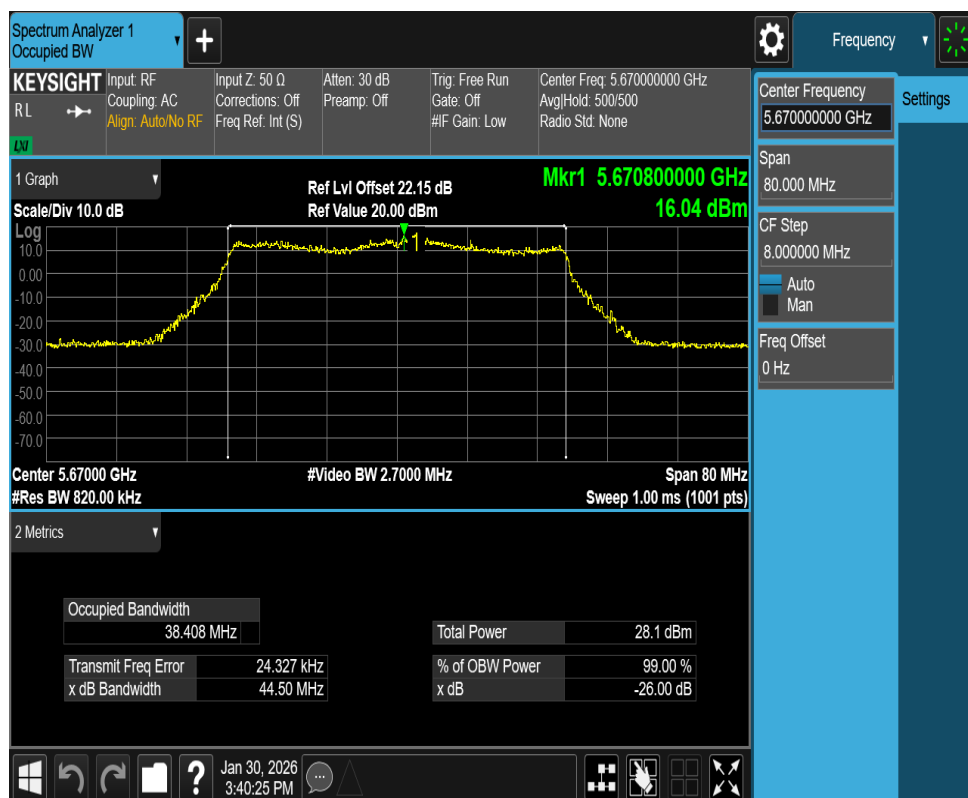
11AX40MIMO_Ant1_5550



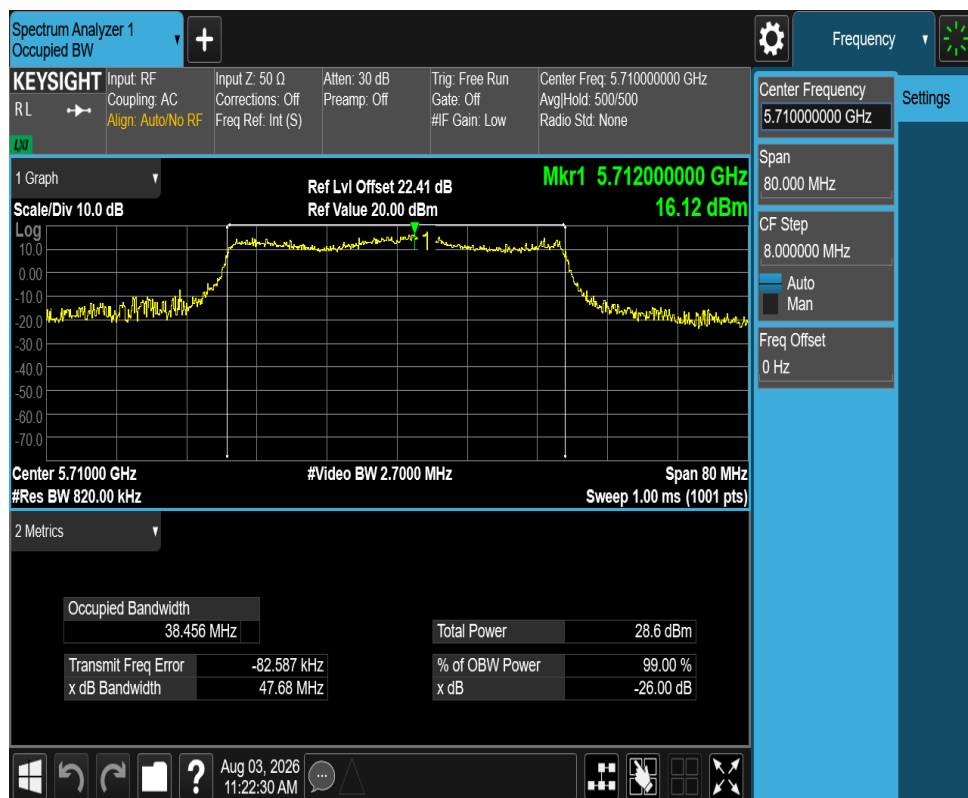
11AX40MIMO_Ant0_5670



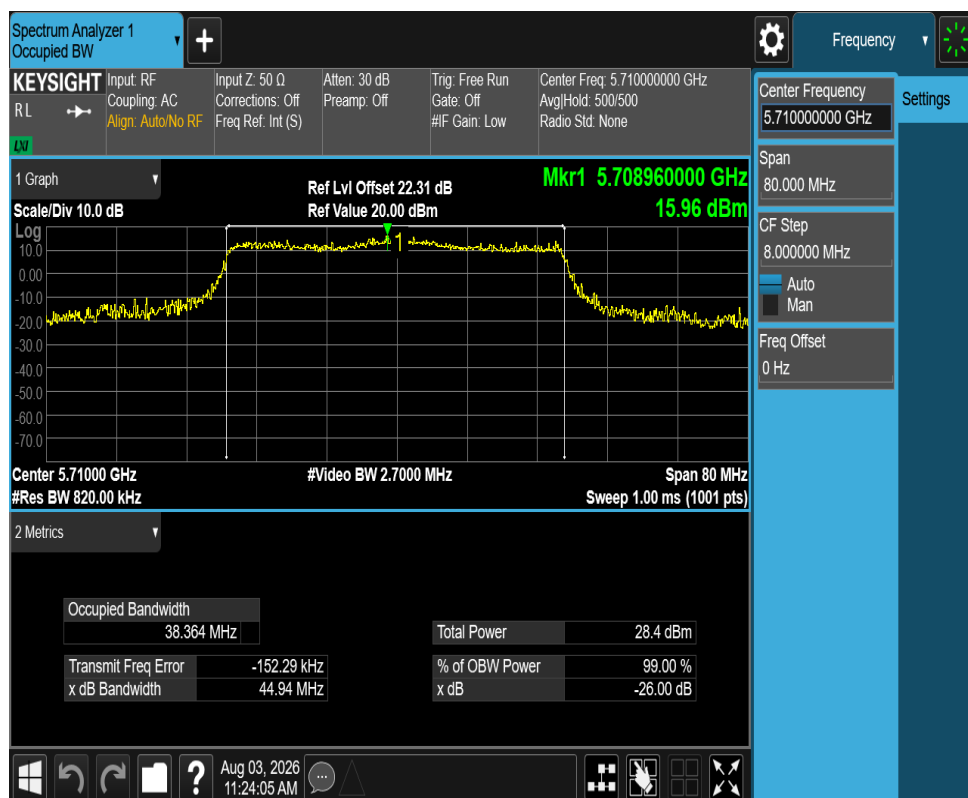
11AX40MIMO_Ant1_5670



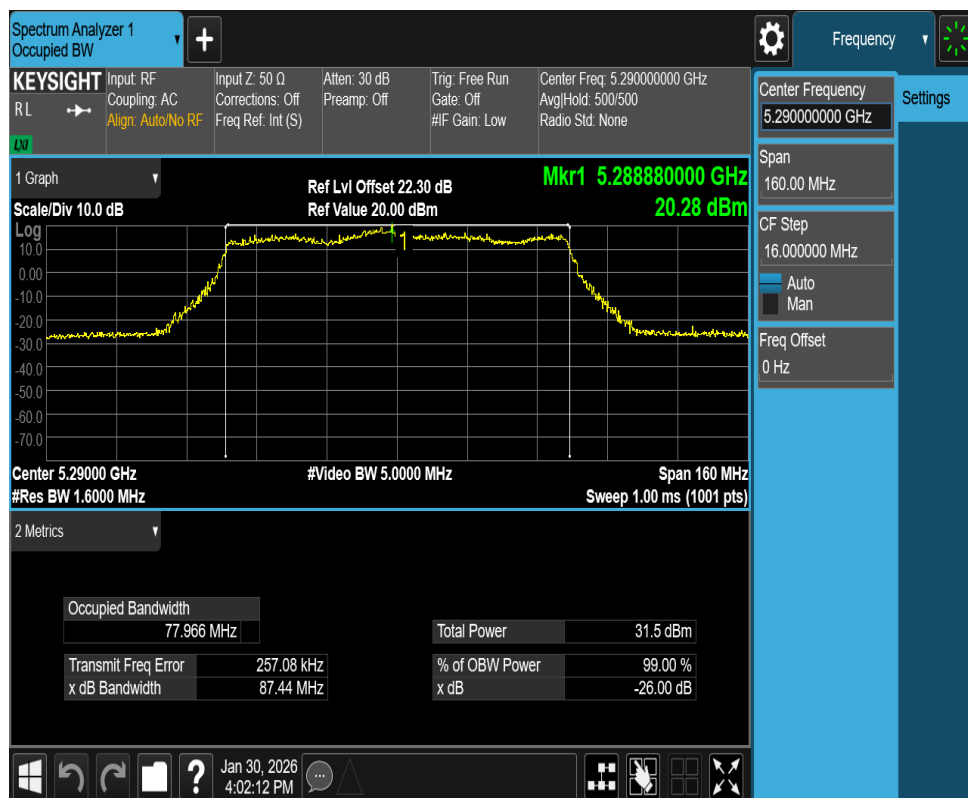
11AX40MIMO_Ant0_5710



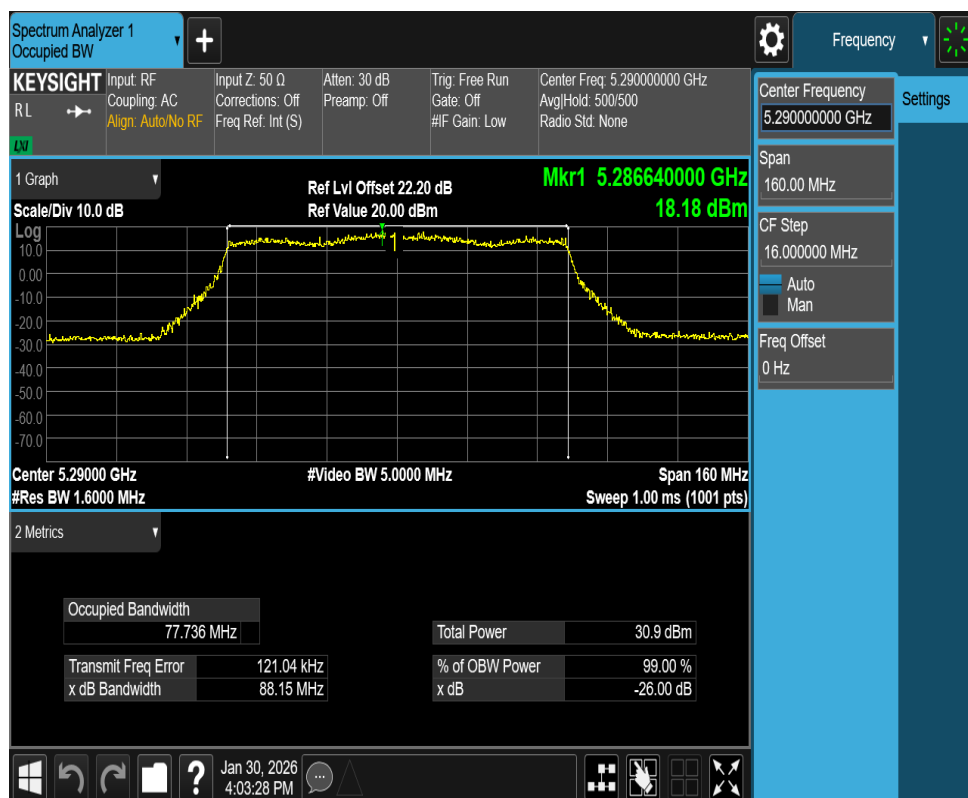
11AX40MIMO_Ant1_5710



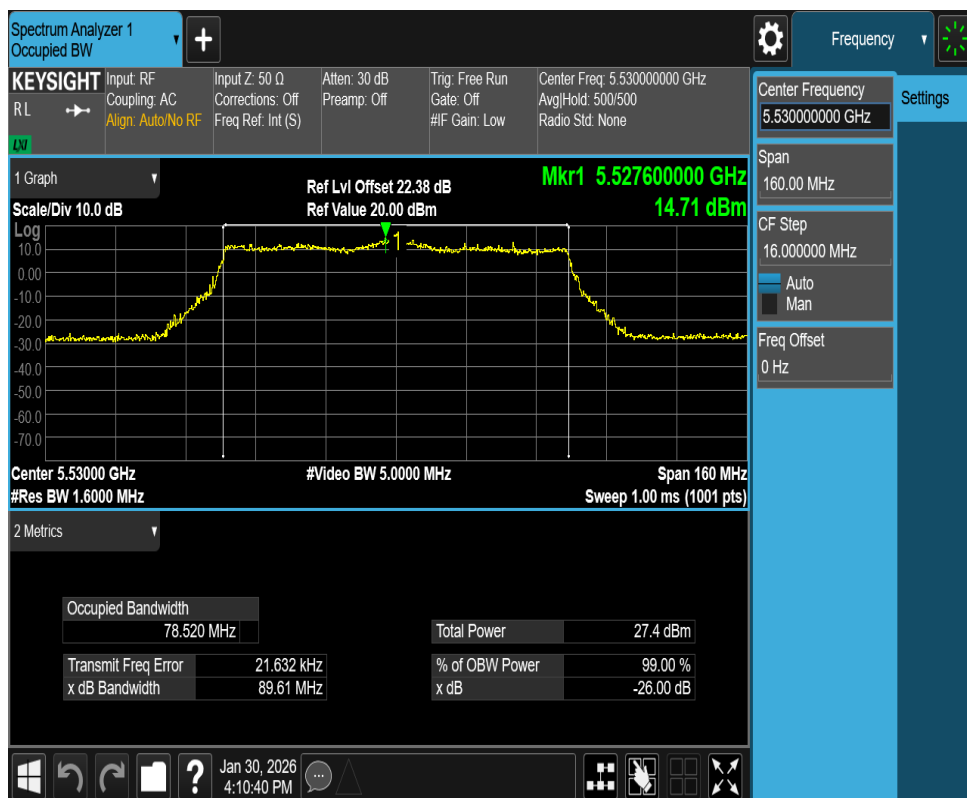
11AX80MIMO_Ant0_5290



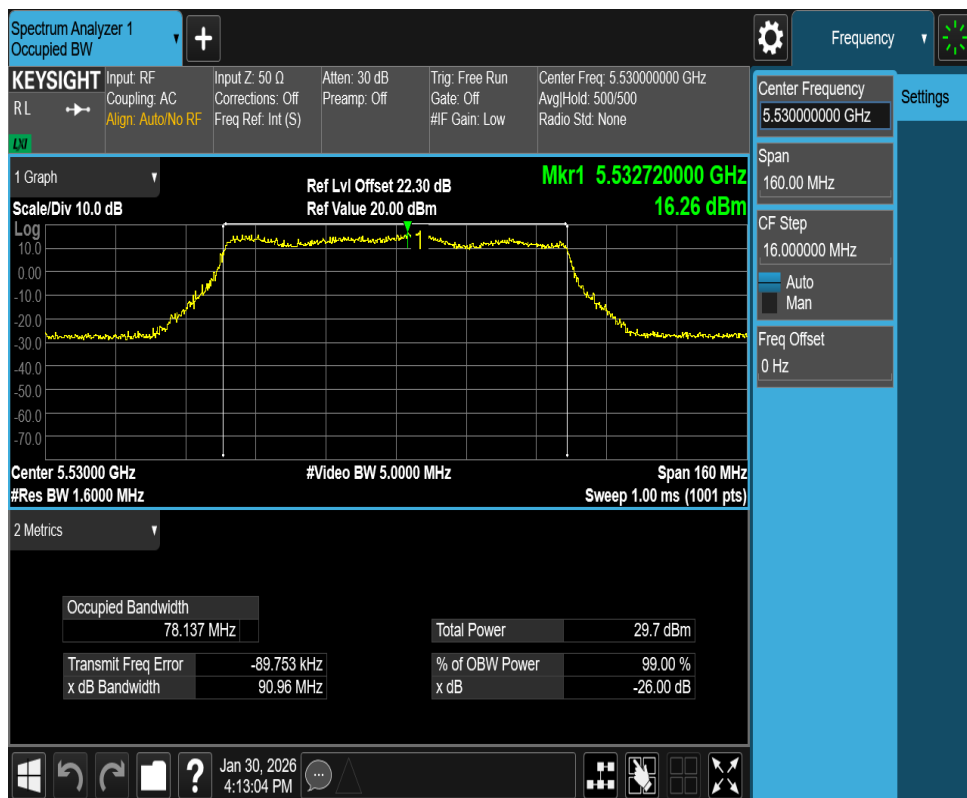
11AX80MIMO_Ant1_5290



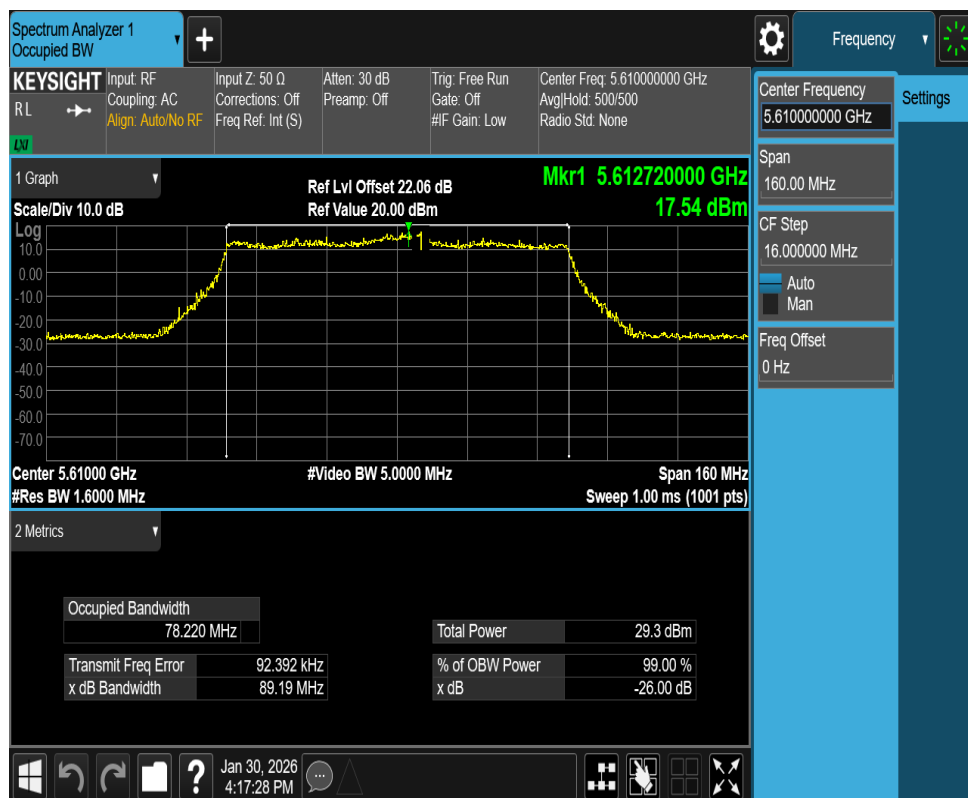
11AX80MIMO_Ant0_5530



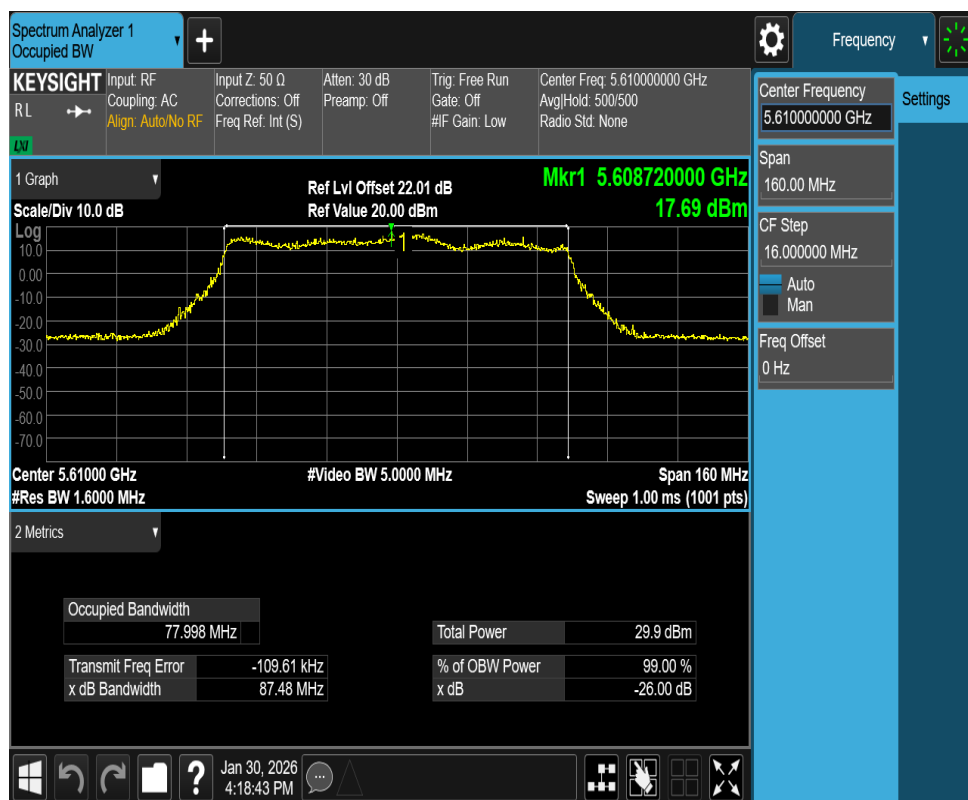
11AX80MIMO_Ant1_5530



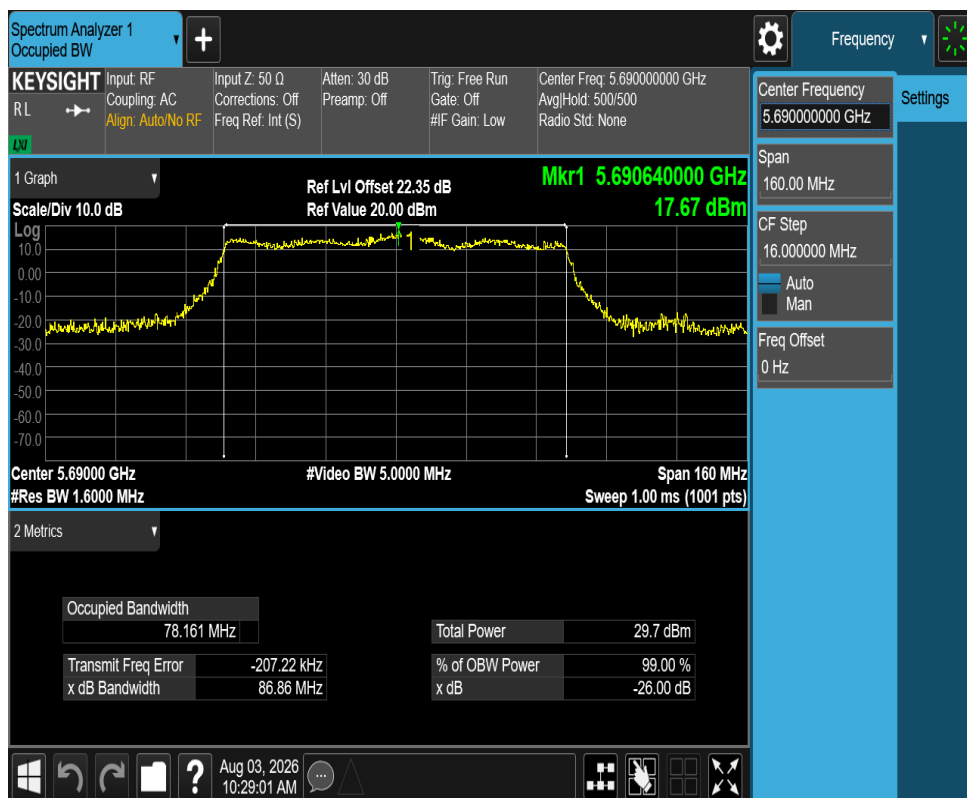
11AX80MIMO_Ant0_5610



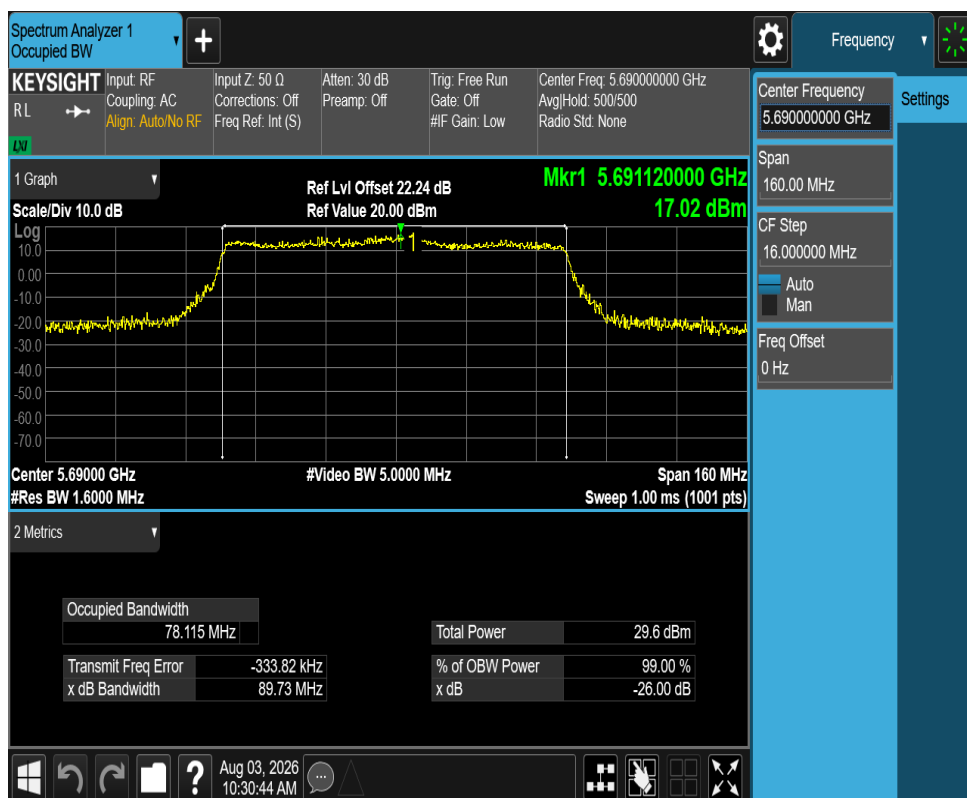
11AX80MIMO_Ant1_5610



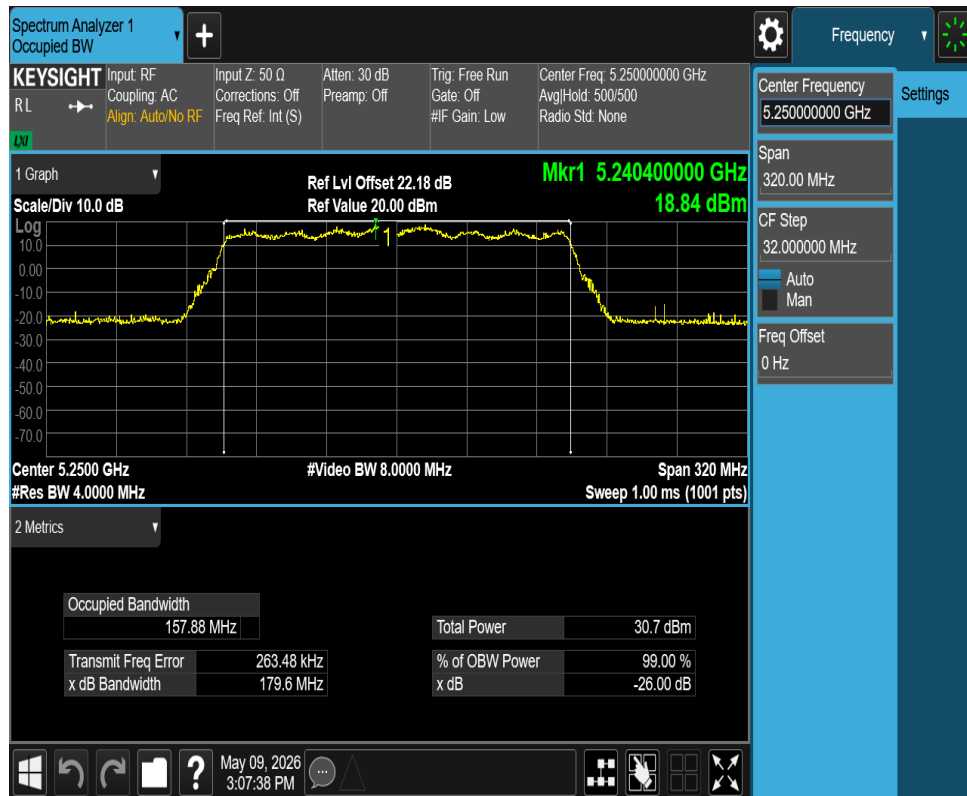
11AX80MIMO_Ant0_5690



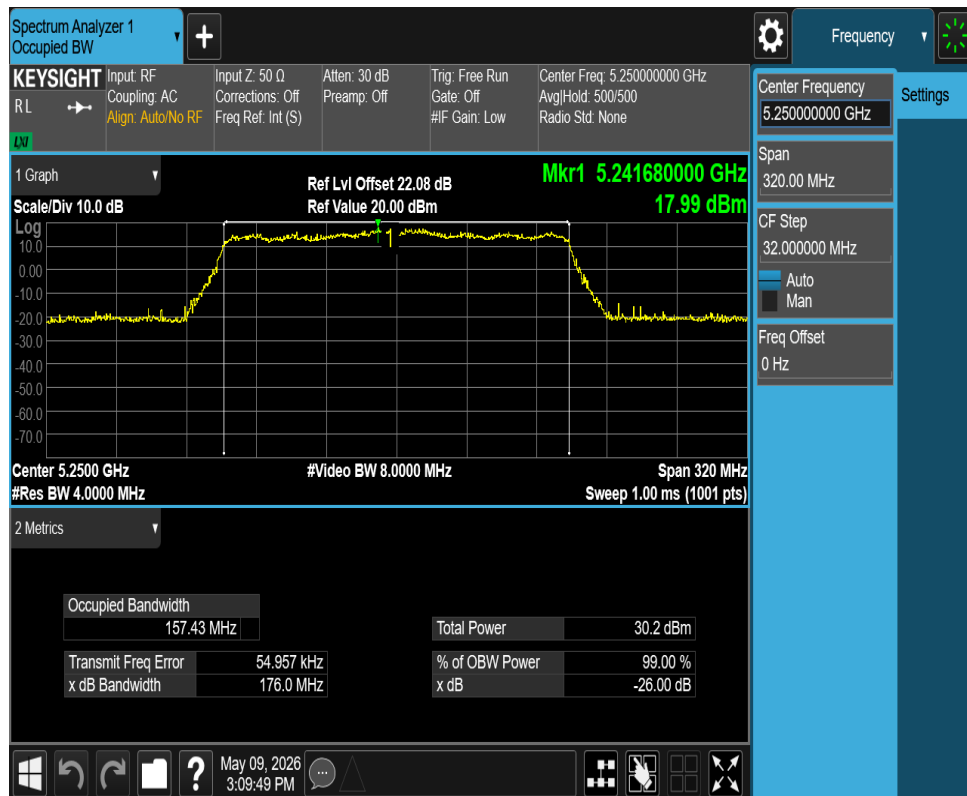
11AX80MIMO_Ant1_5690



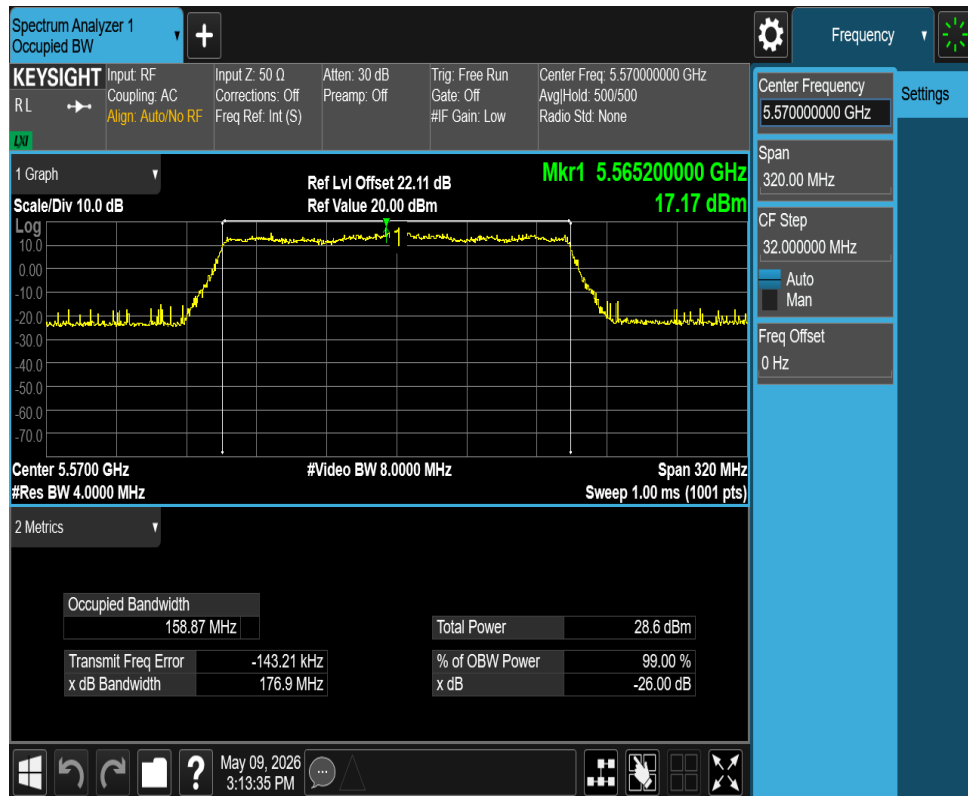
11AX160MIMO_Ant0_5250



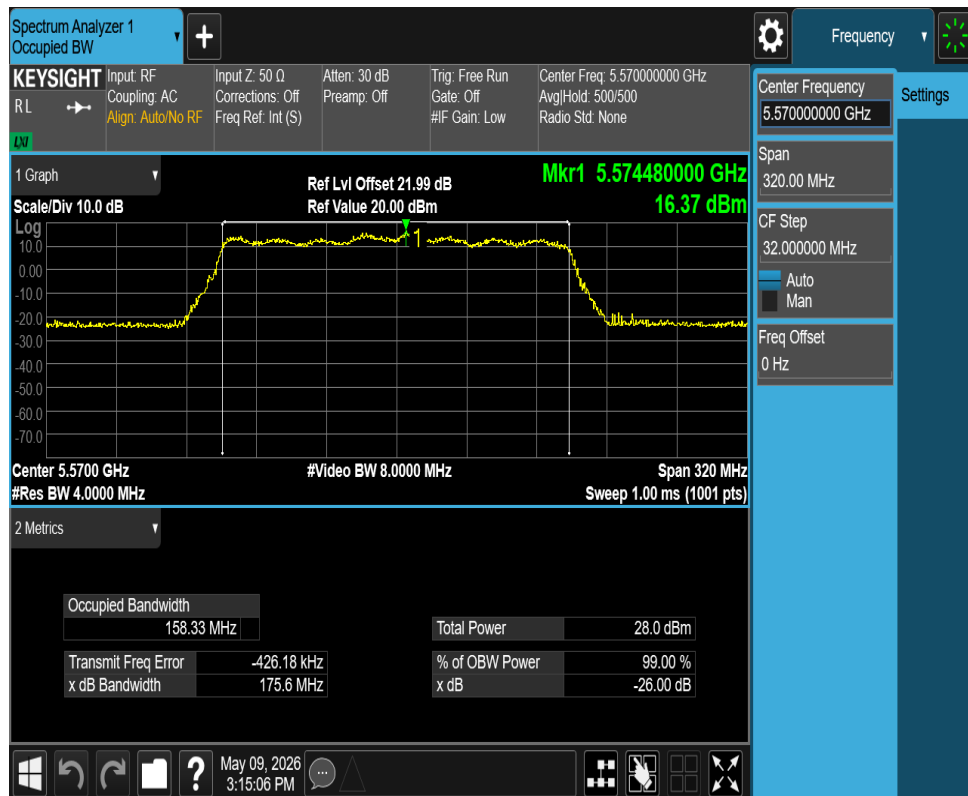
11AX160MIMO_Ant1_5250



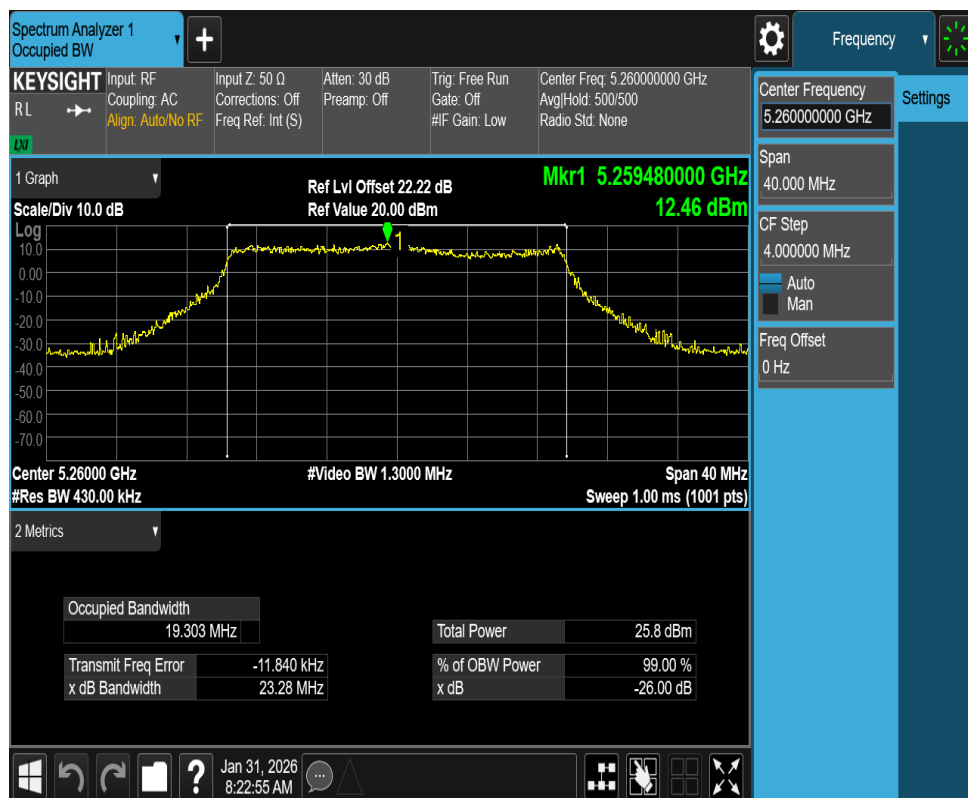
11AX160MIMO_Ant0_5570



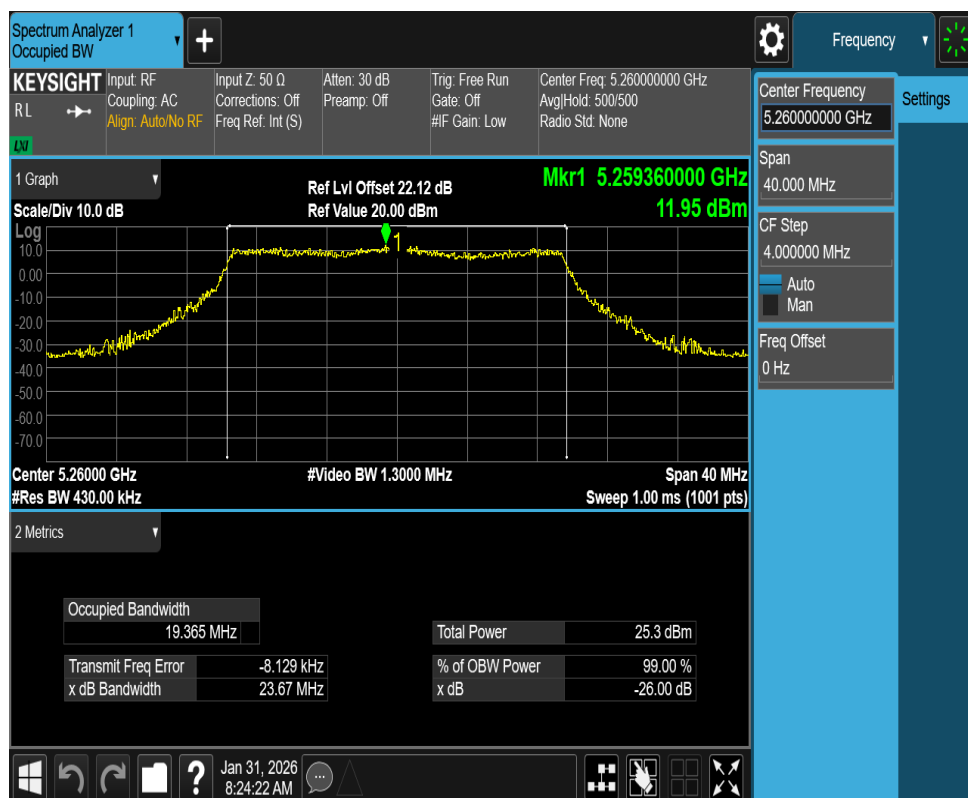
11AX160MIMO_Ant1_5570



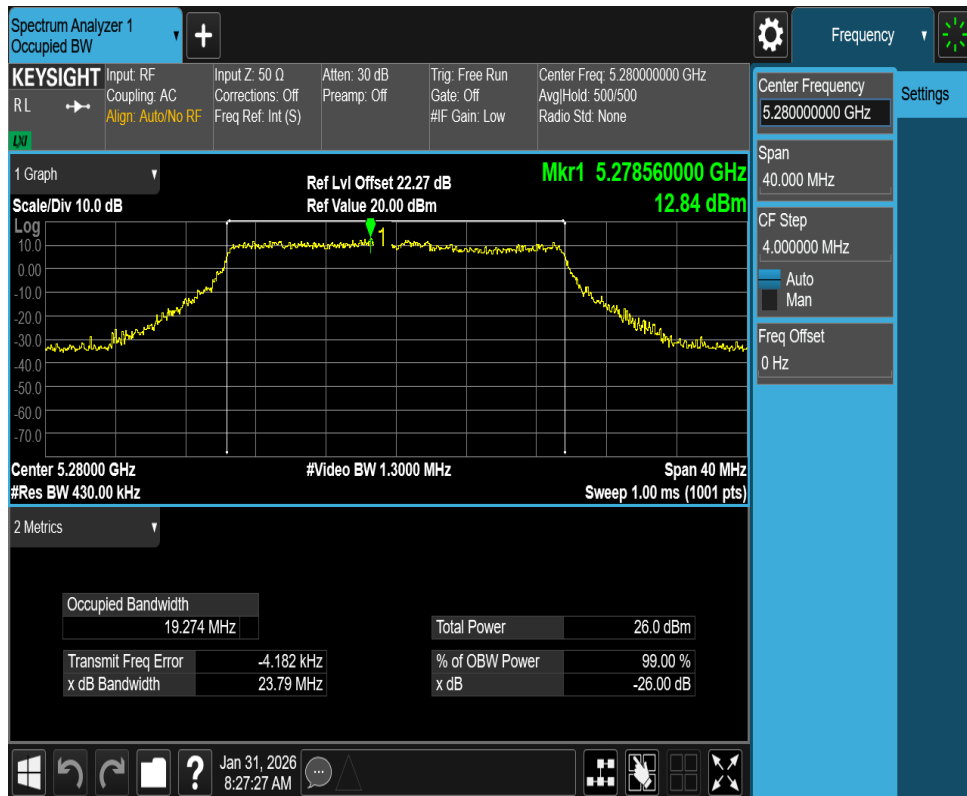
11BE20MIMO_Ant0_5260



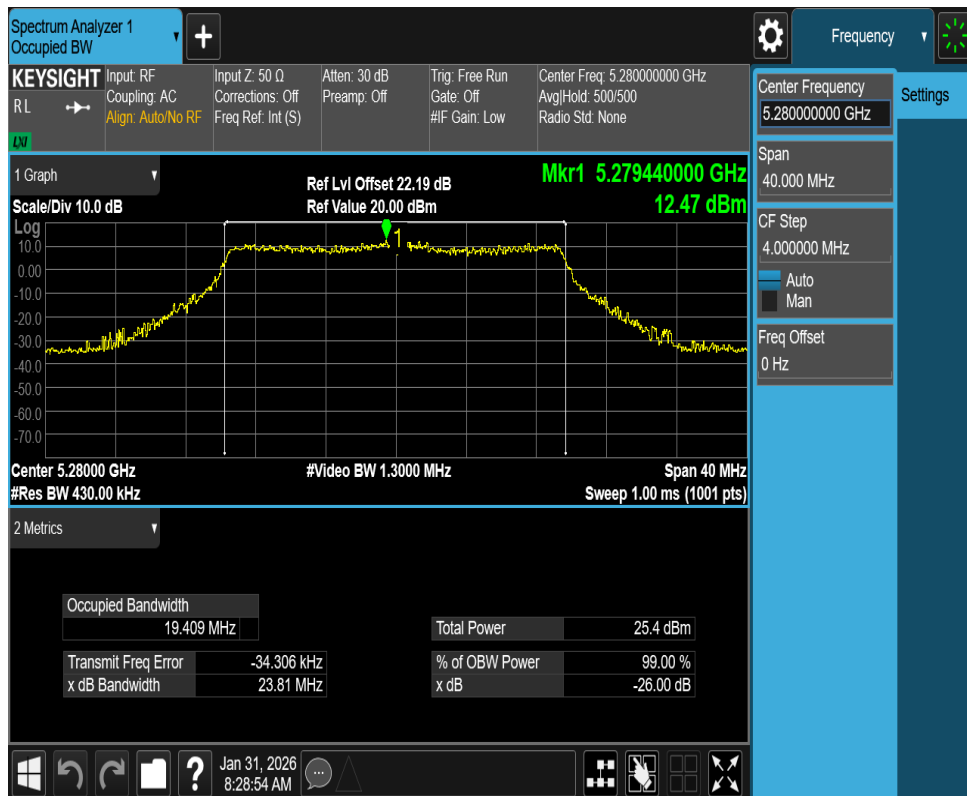
11BE20MIMO_Ant1_5260



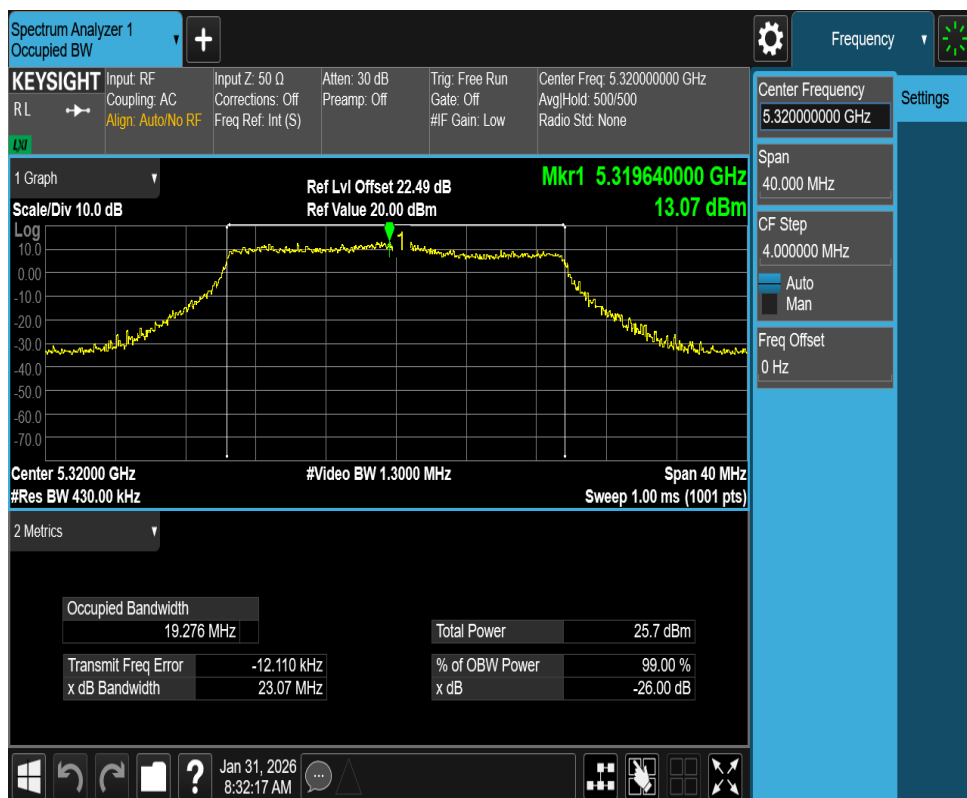
11BE20MIMO_Ant0_5280



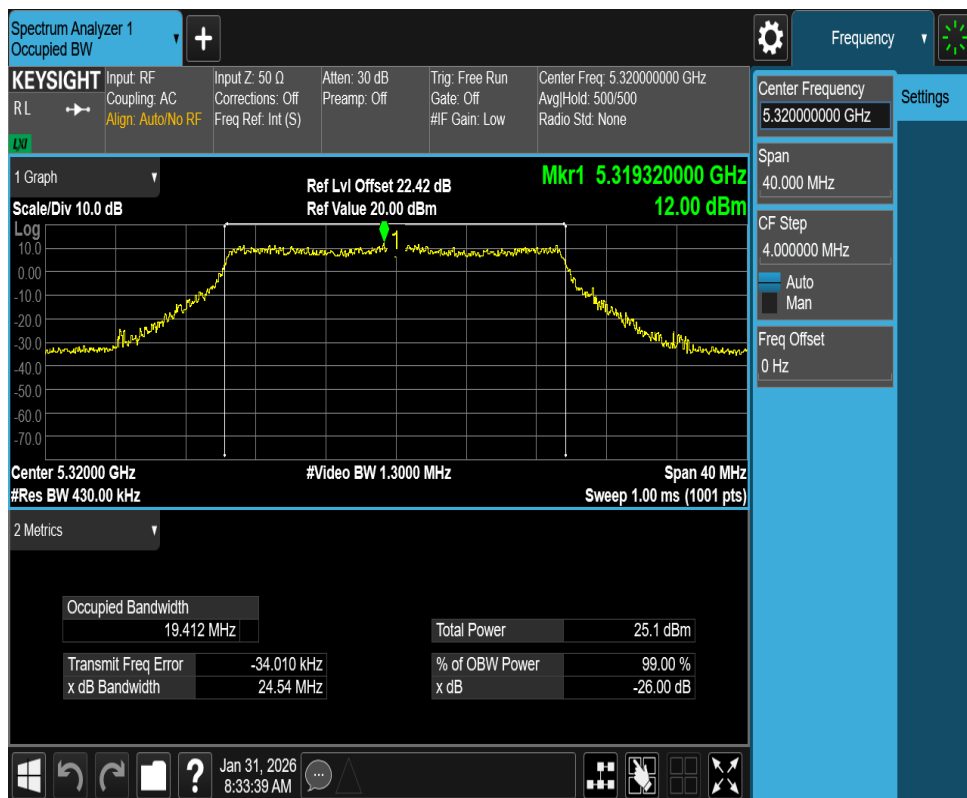
11BE20MIMO_Ant1_5280



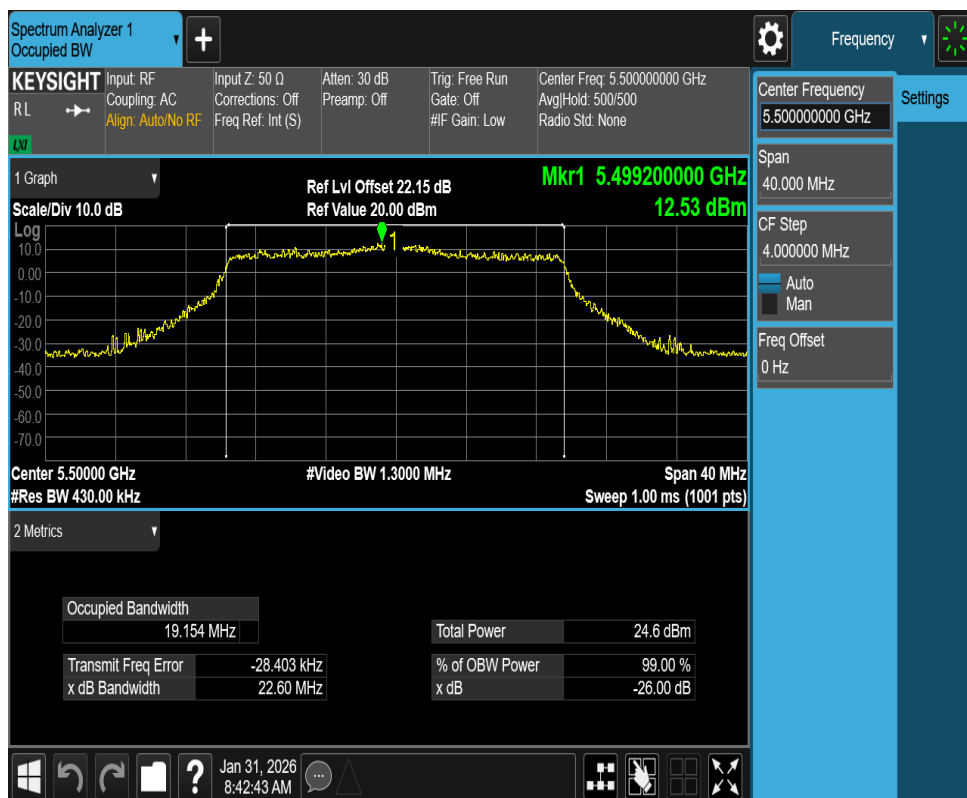
11BE20MIMO_Ant0_5320



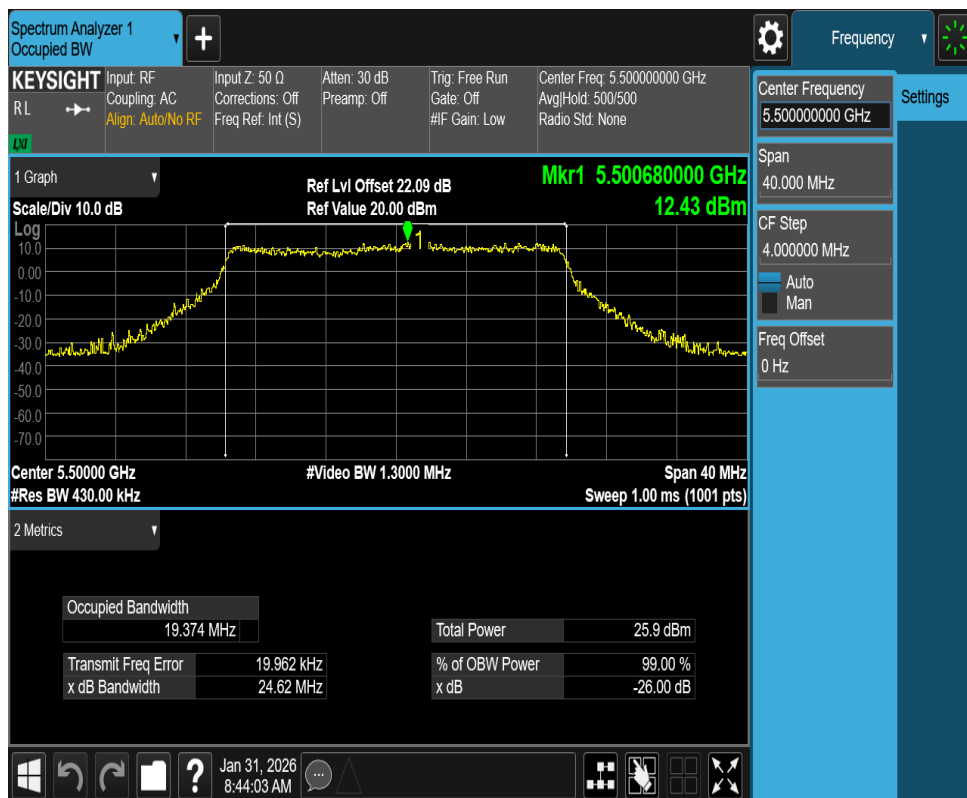
11BE20MIMO_Ant1_5320



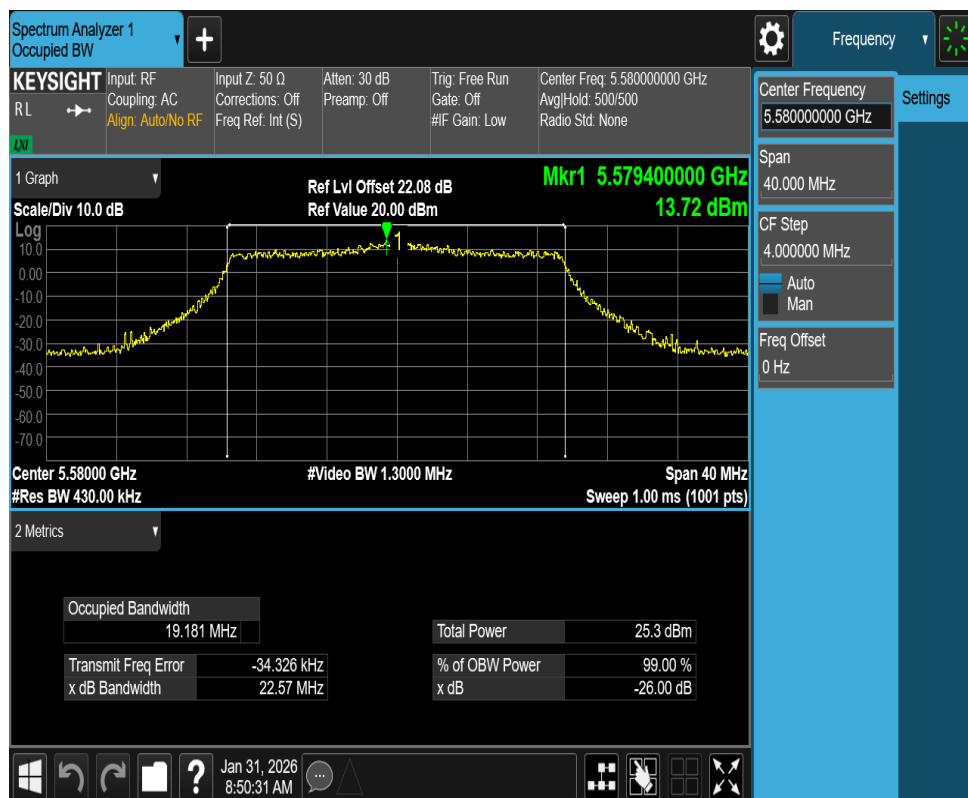
11BE20MIMO_Ant0_5500



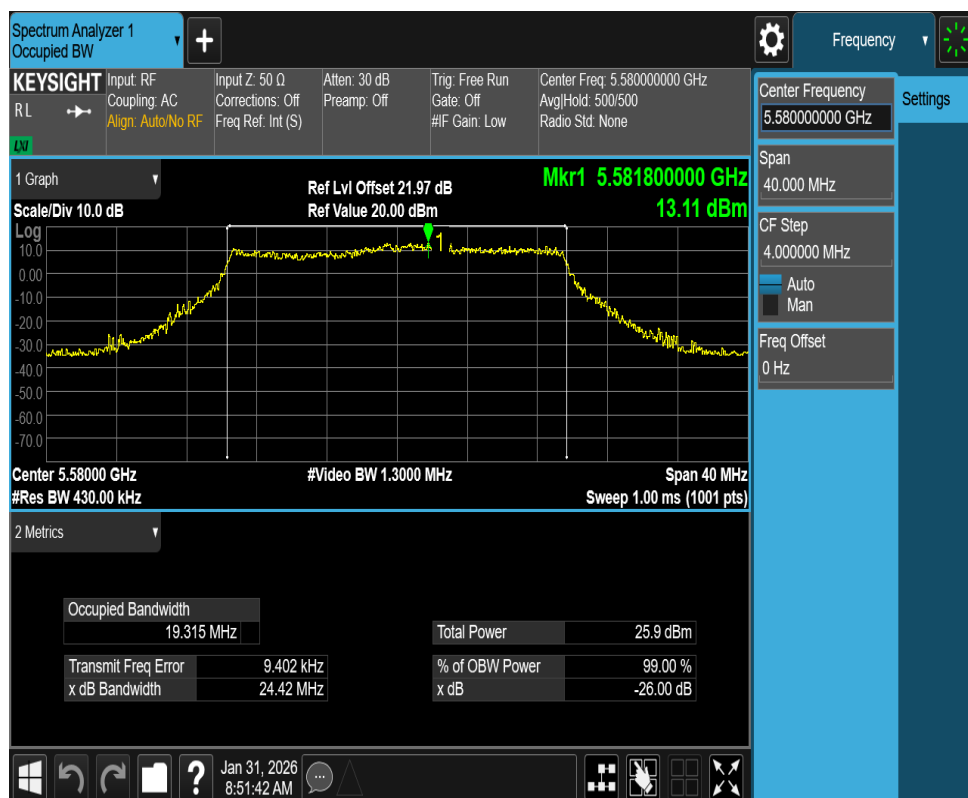
11BE20MIMO_Ant1_5500



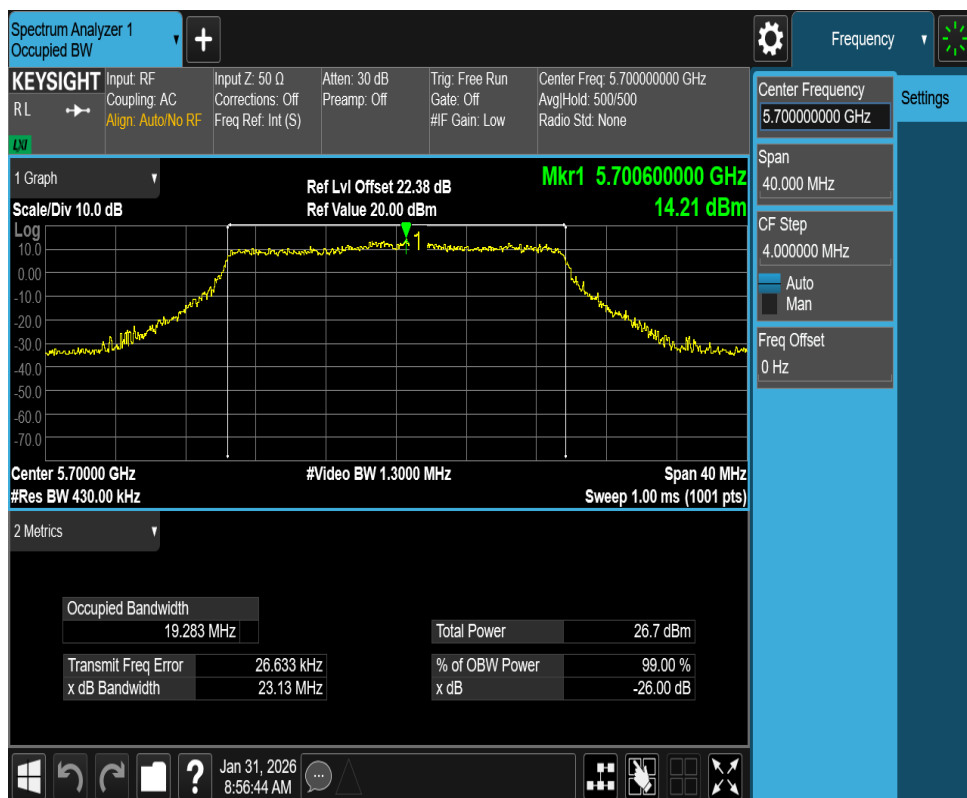
11BE20MIMO_Ant0_5580



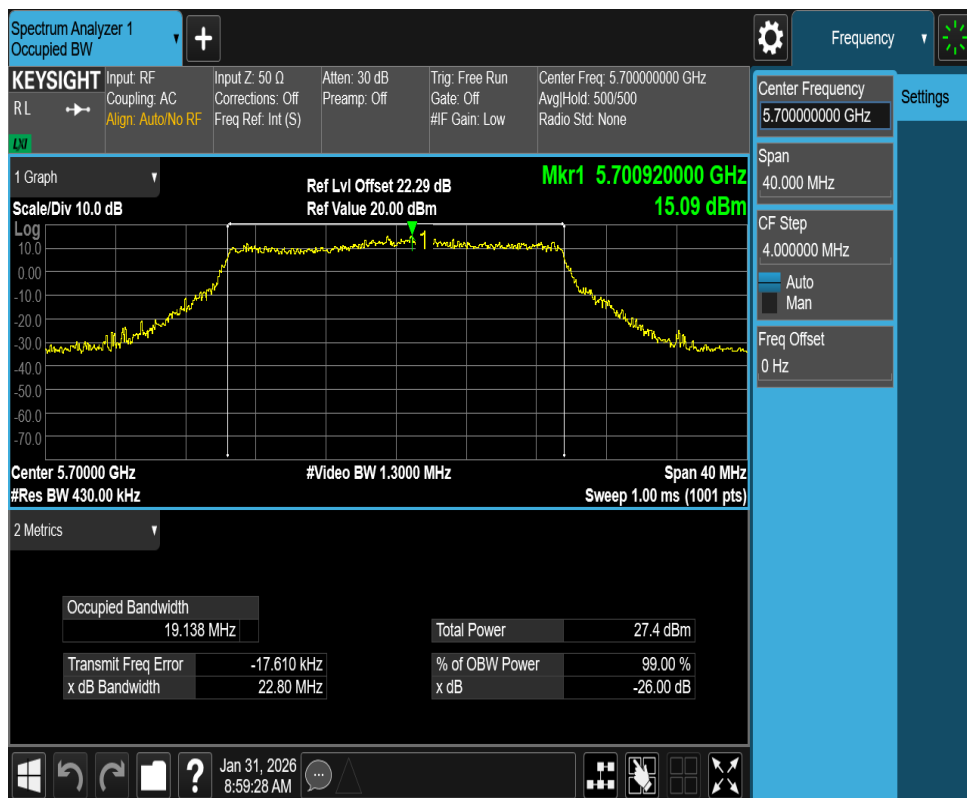
11BE20MIMO_Ant1_5580



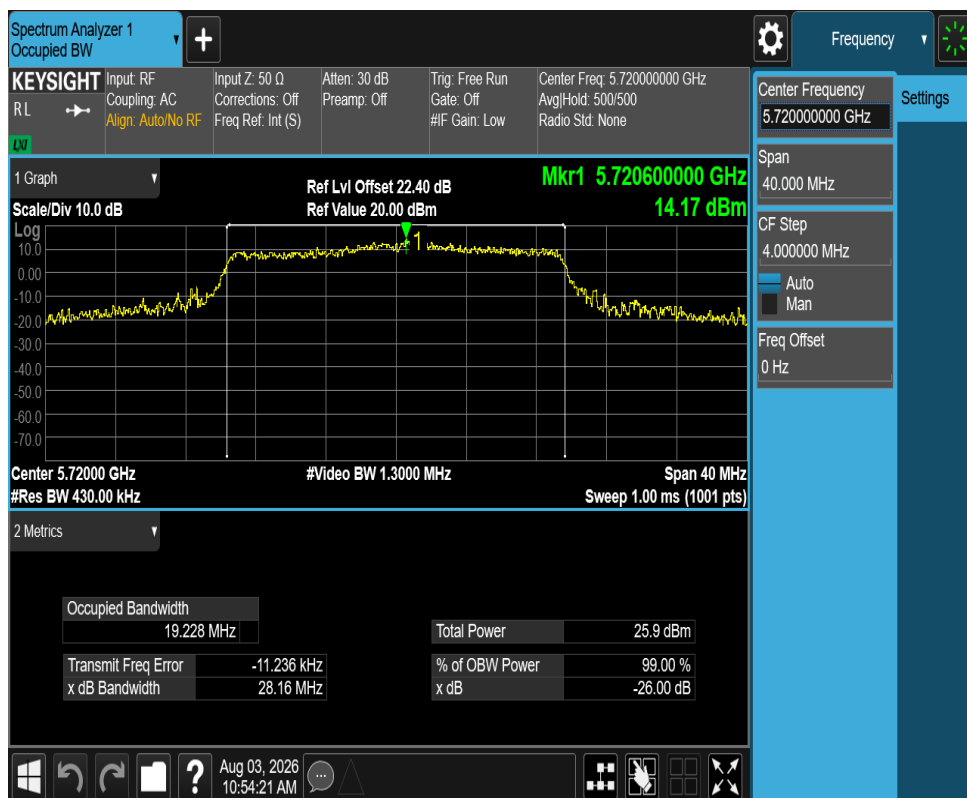
11BE20MIMO_Ant0_5700



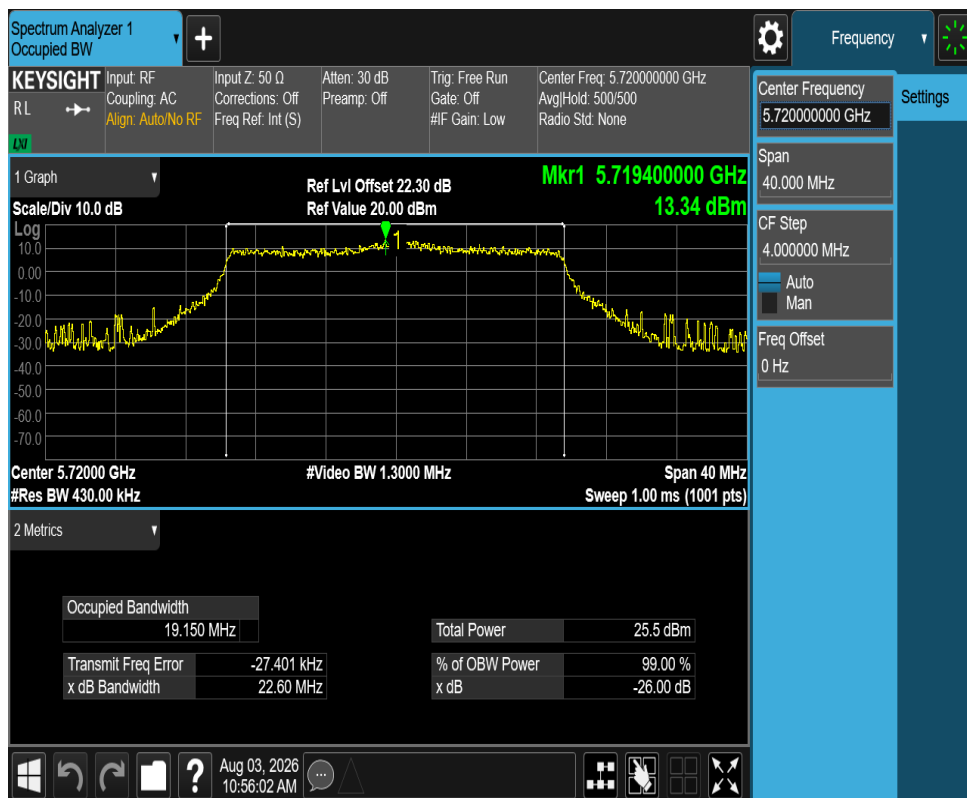
11BE20MIMO_Ant1_5700



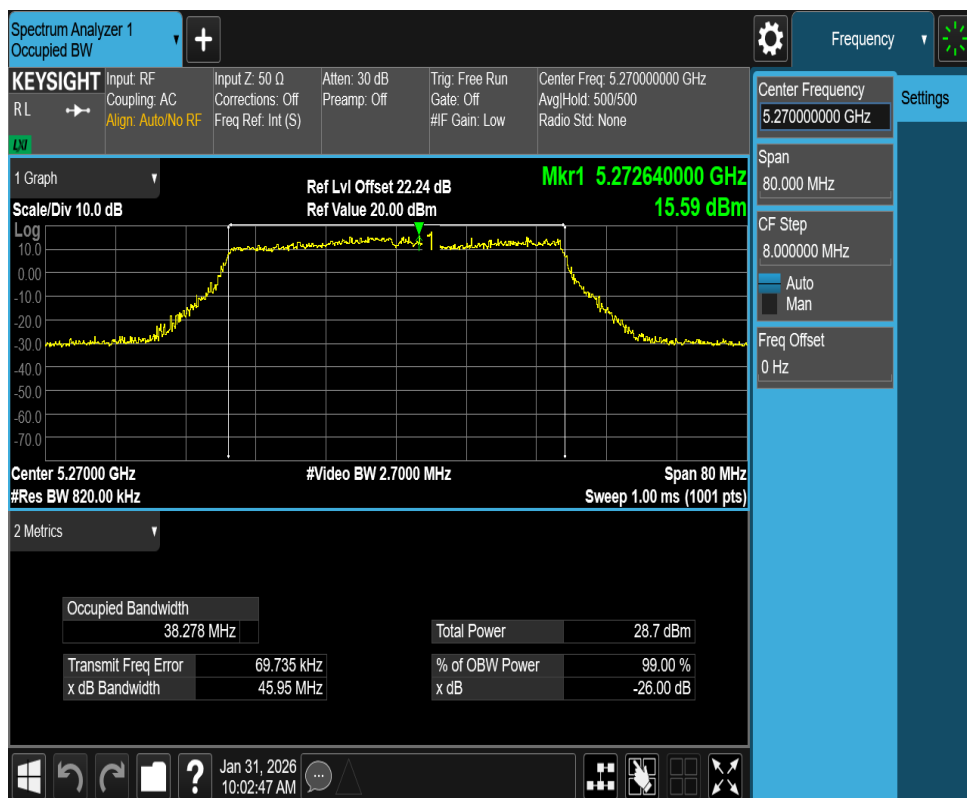
11BE20MIMO_Ant0_5720



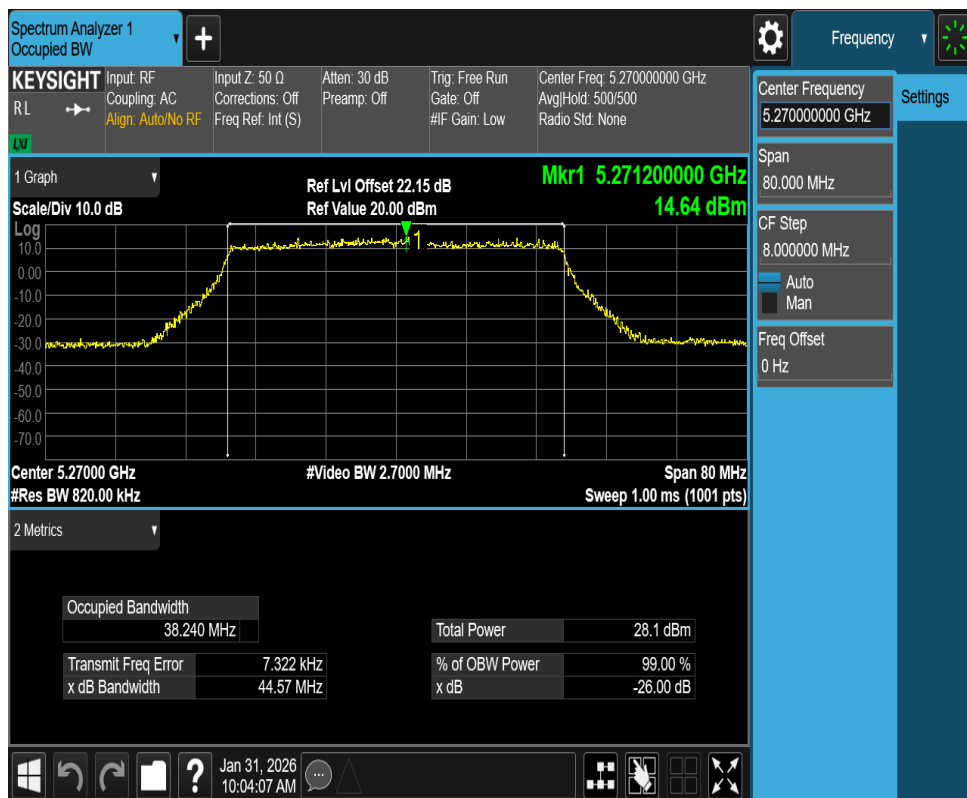
11BE20MIMO_Ant1_5720



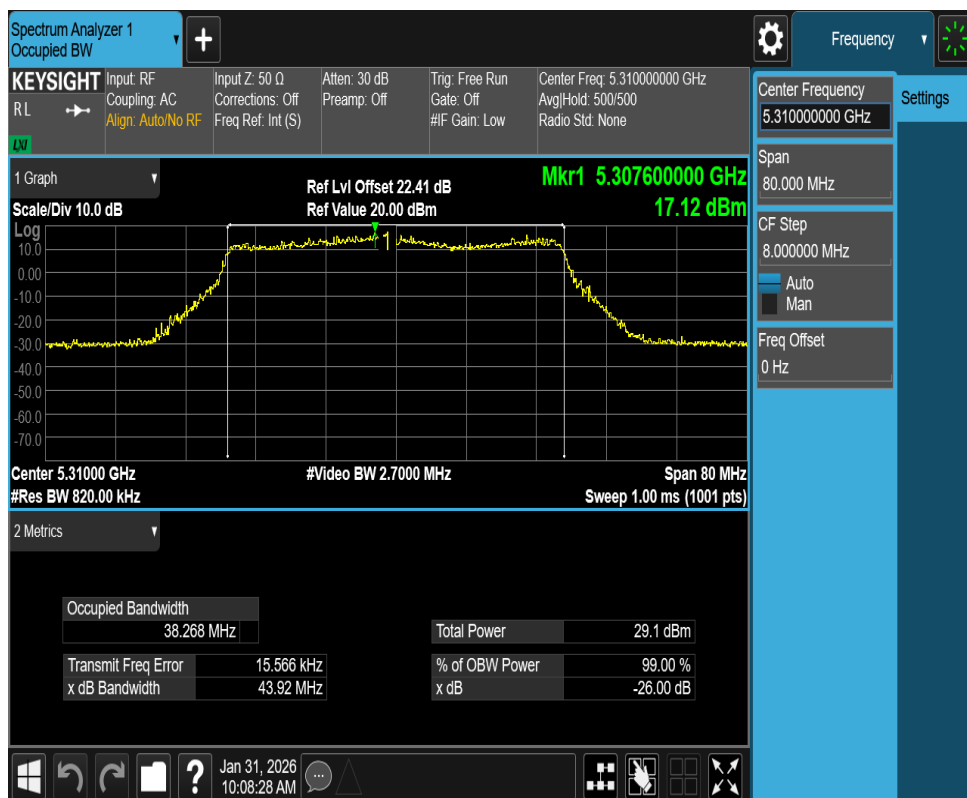
11BE40MIMO_Ant0_5270



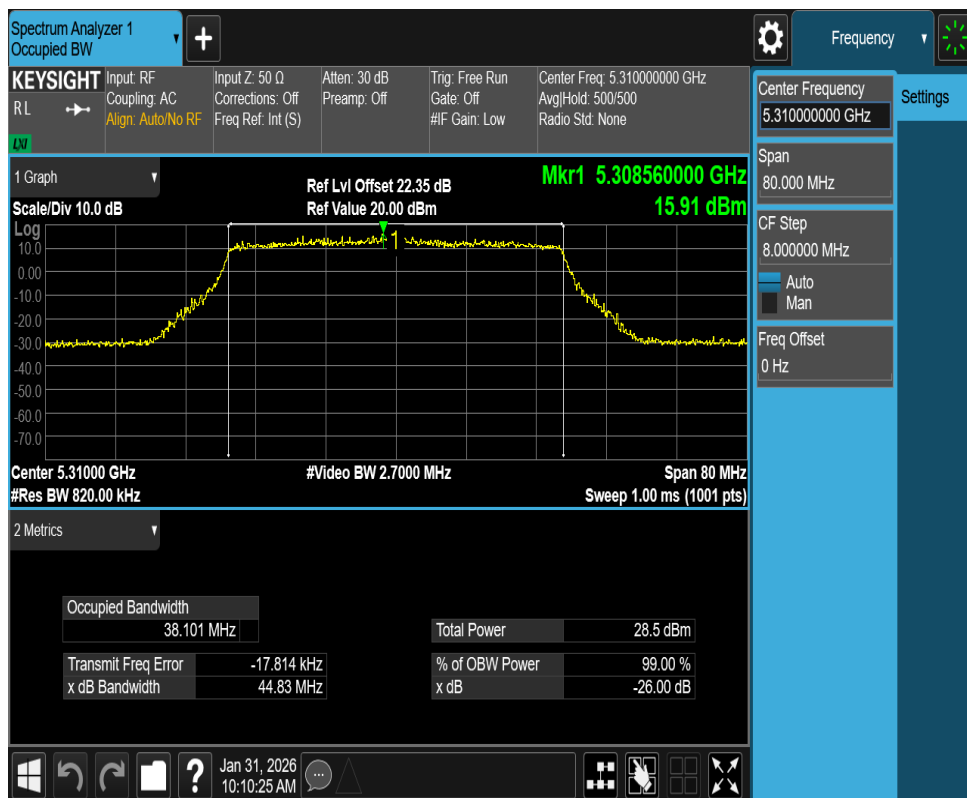
11BE40MIMO_Ant1_5270



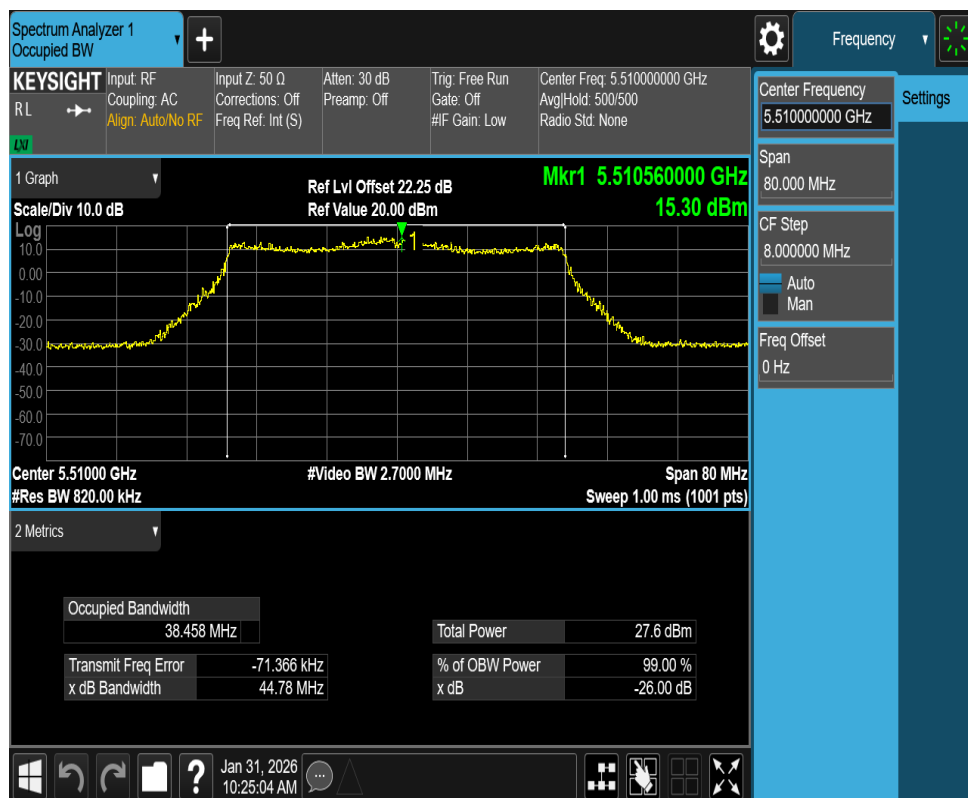
11BE40MIMO_Ant0_5310



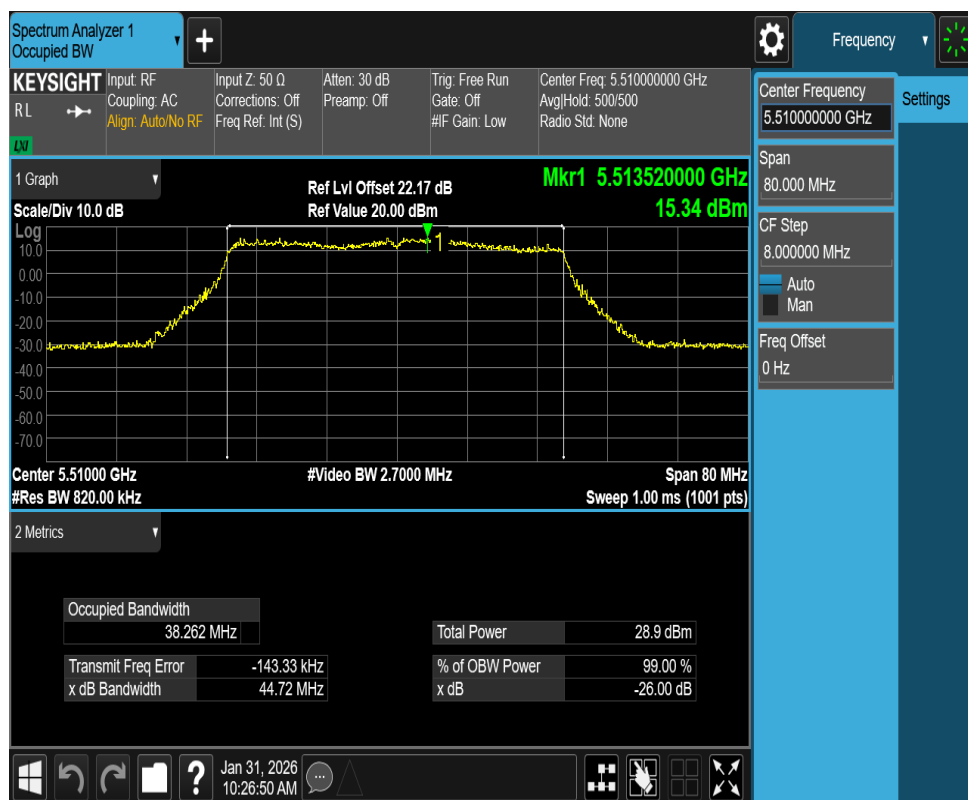
11BE40MIMO_Ant1_5310



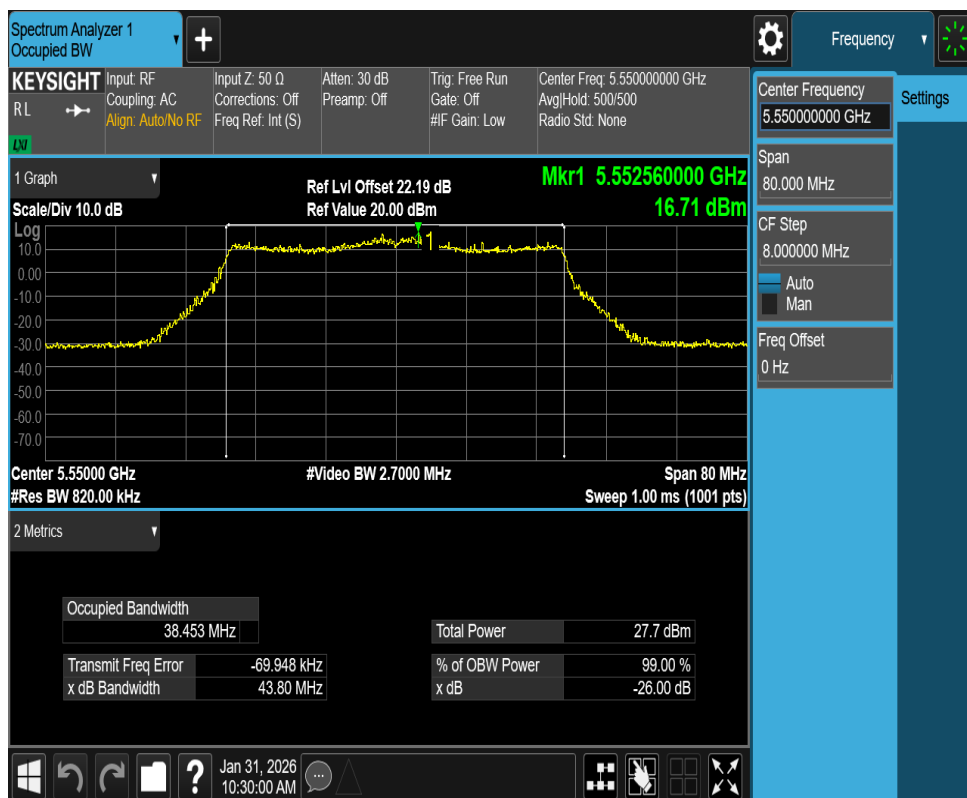
11BE40MIMO_Ant0_5510



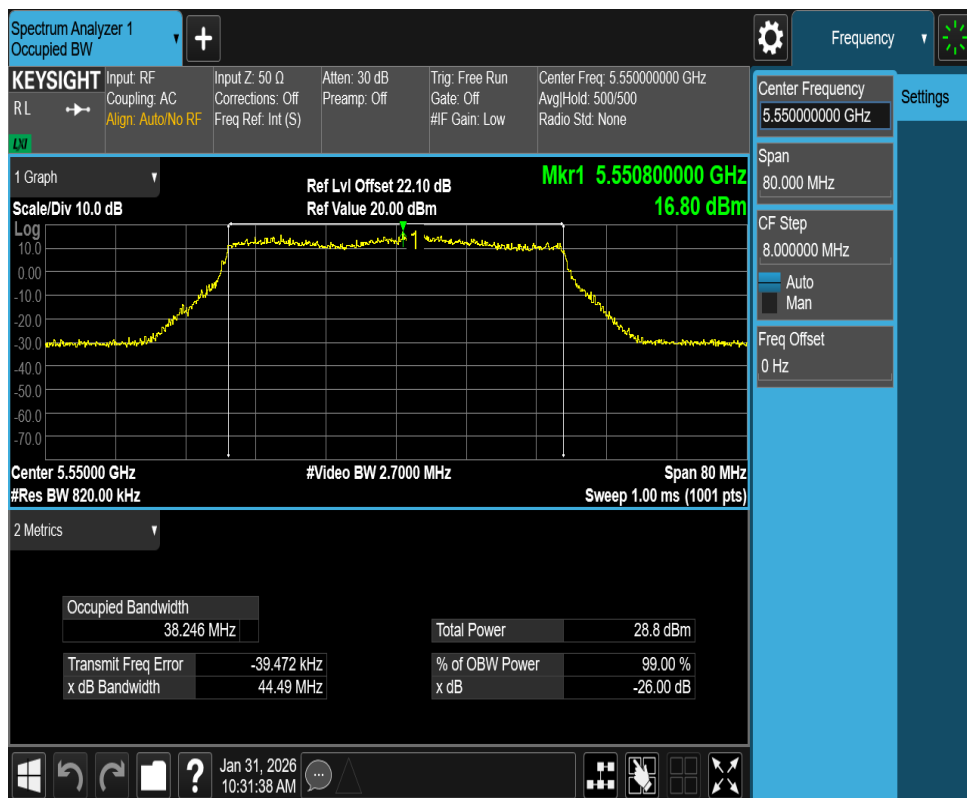
11BE40MIMO_Ant1_5510



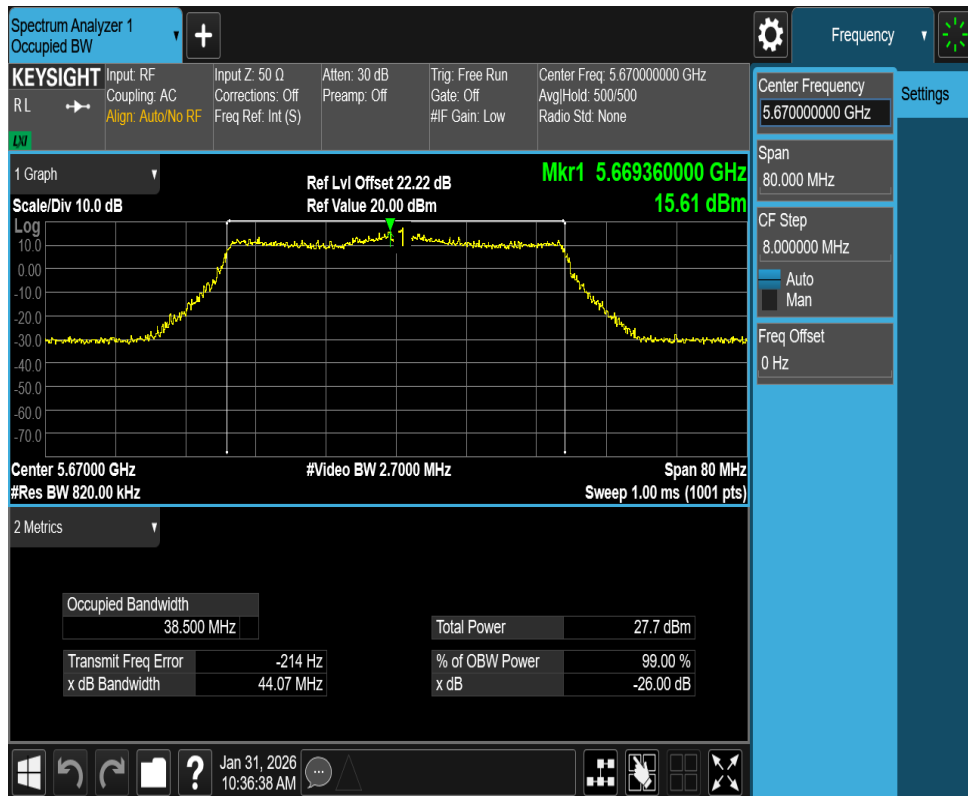
11BE40MIMO_Ant0_5550



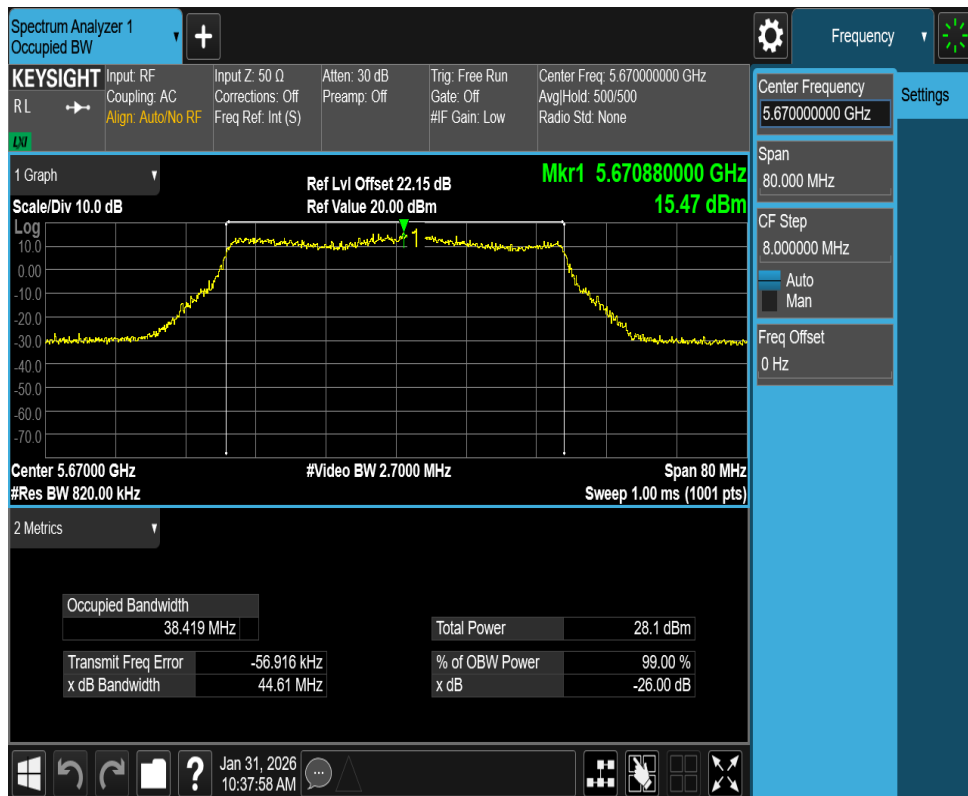
11BE40MIMO_Ant1_5550



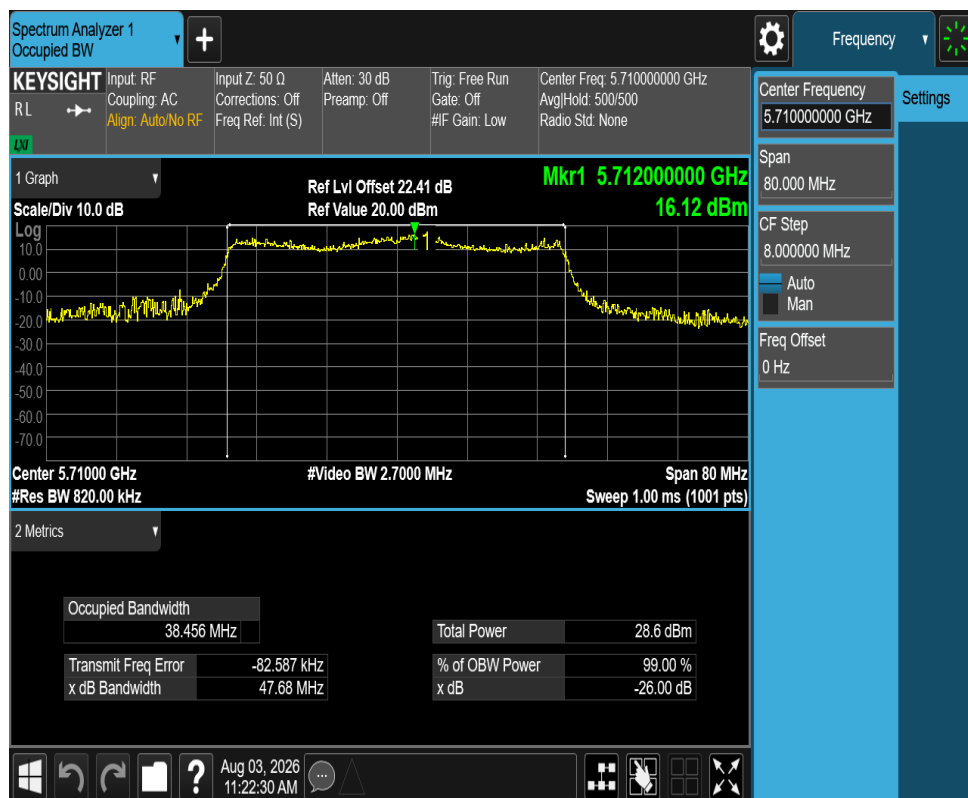
11BE40MIMO_Ant0_5670



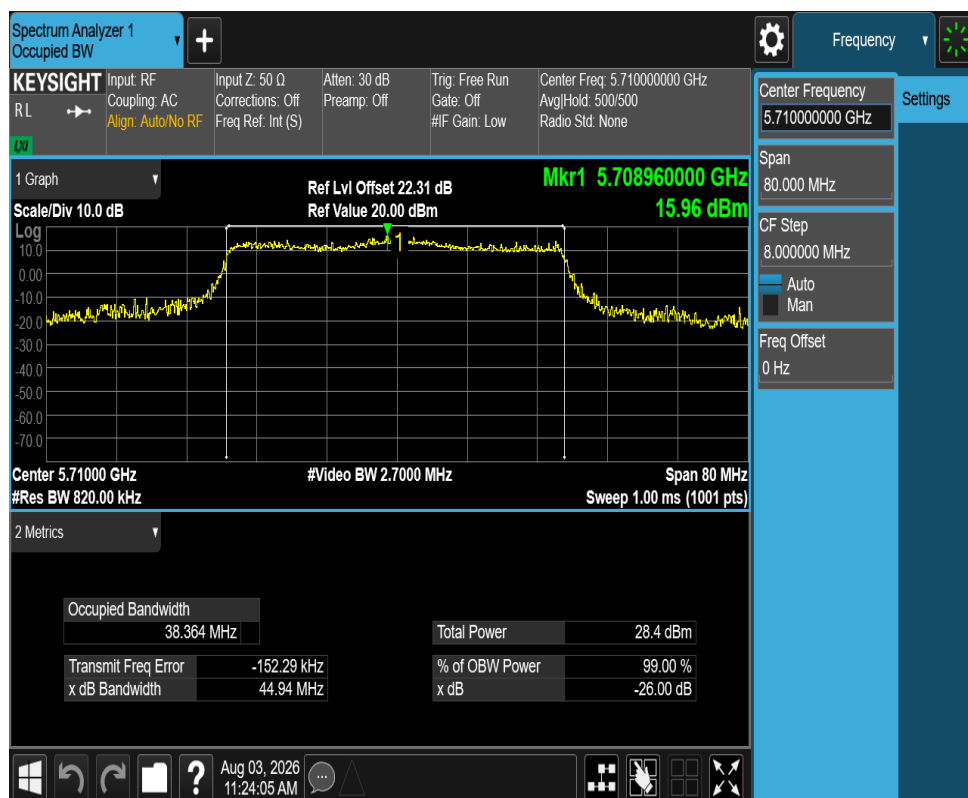
11BE40MIMO_Ant1_5670



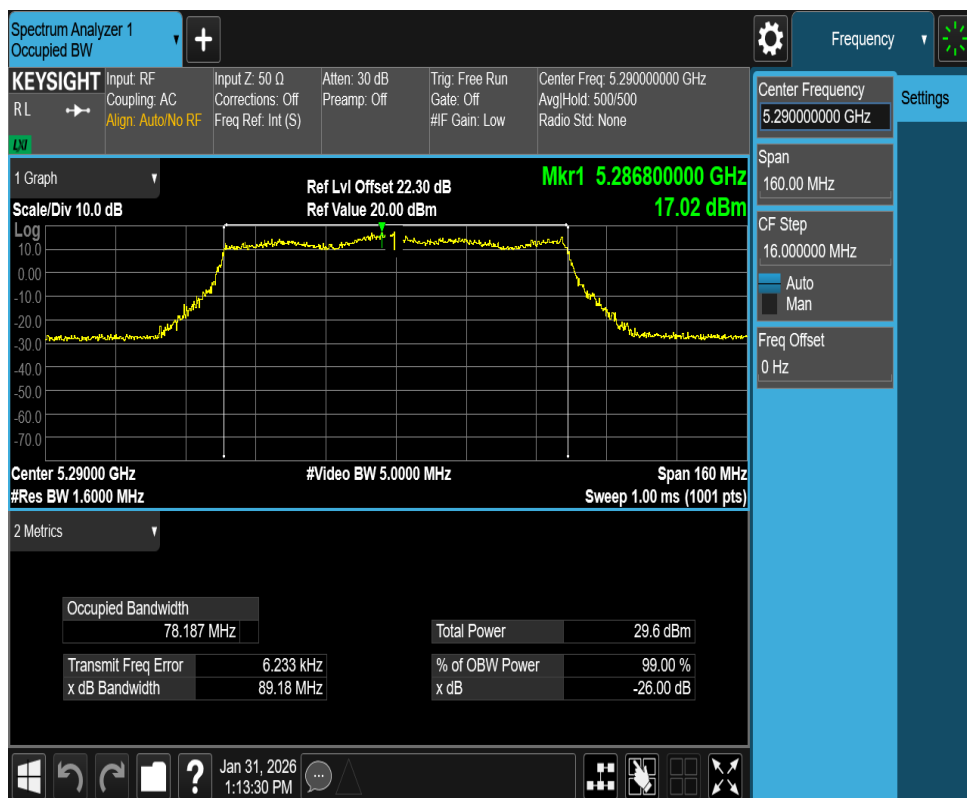
11BE40MIMO_Ant0_5710



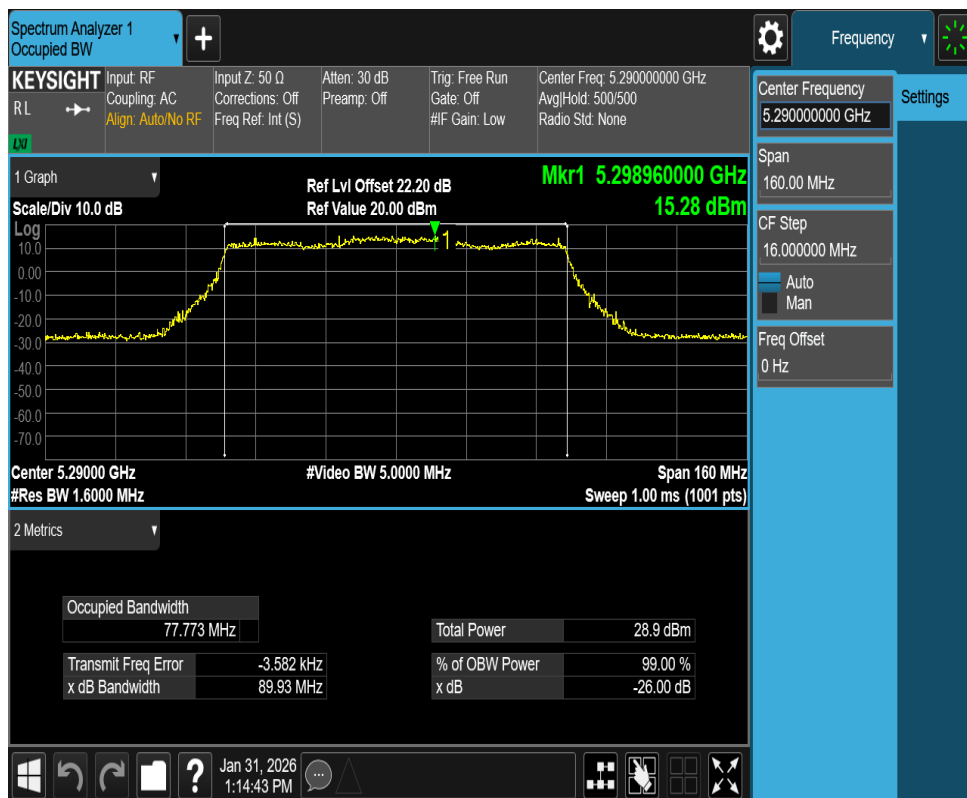
11BE40MIMO_Ant1_5710



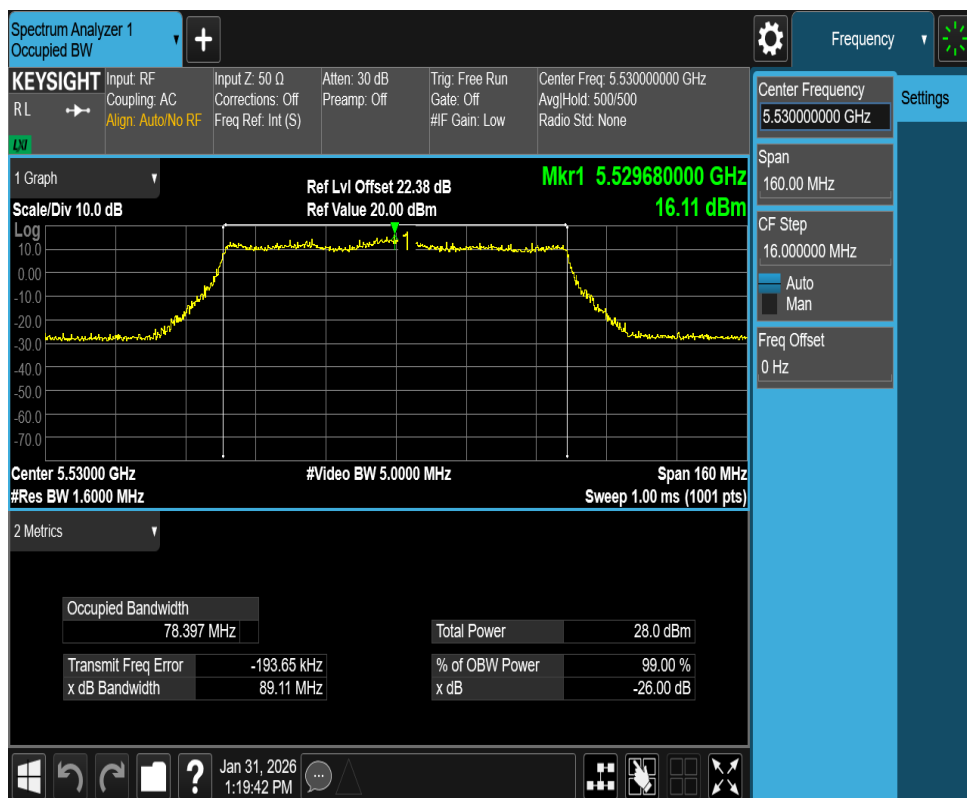
11BE80MIMO_Ant0_5290



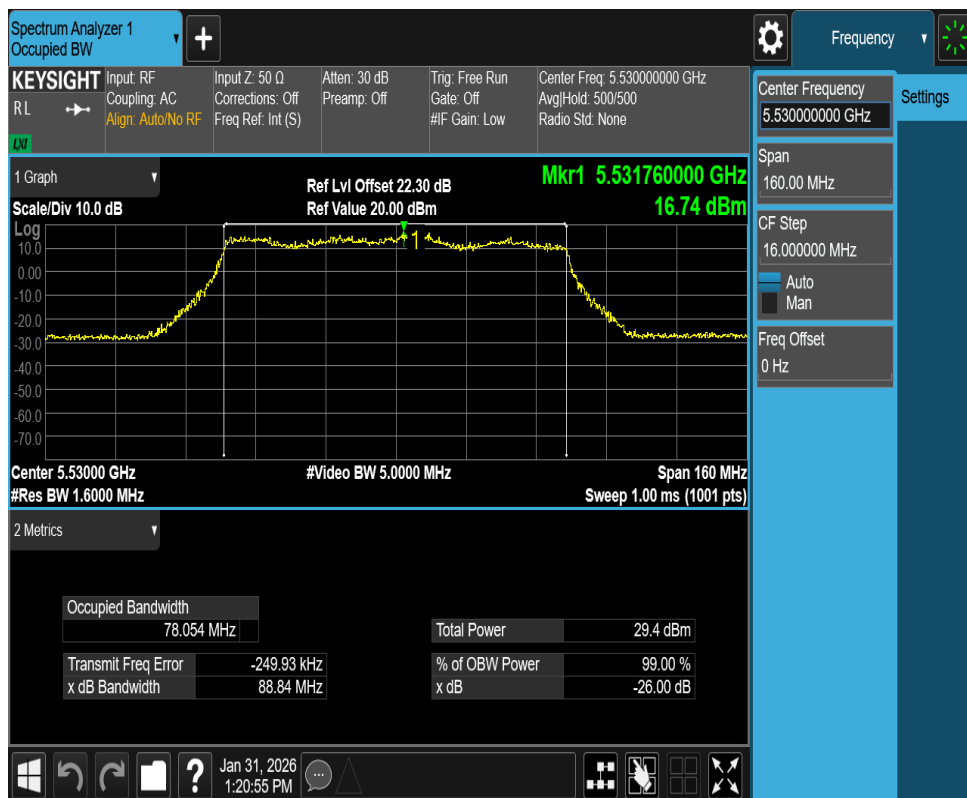
11BE80MIMO_Ant1_5290



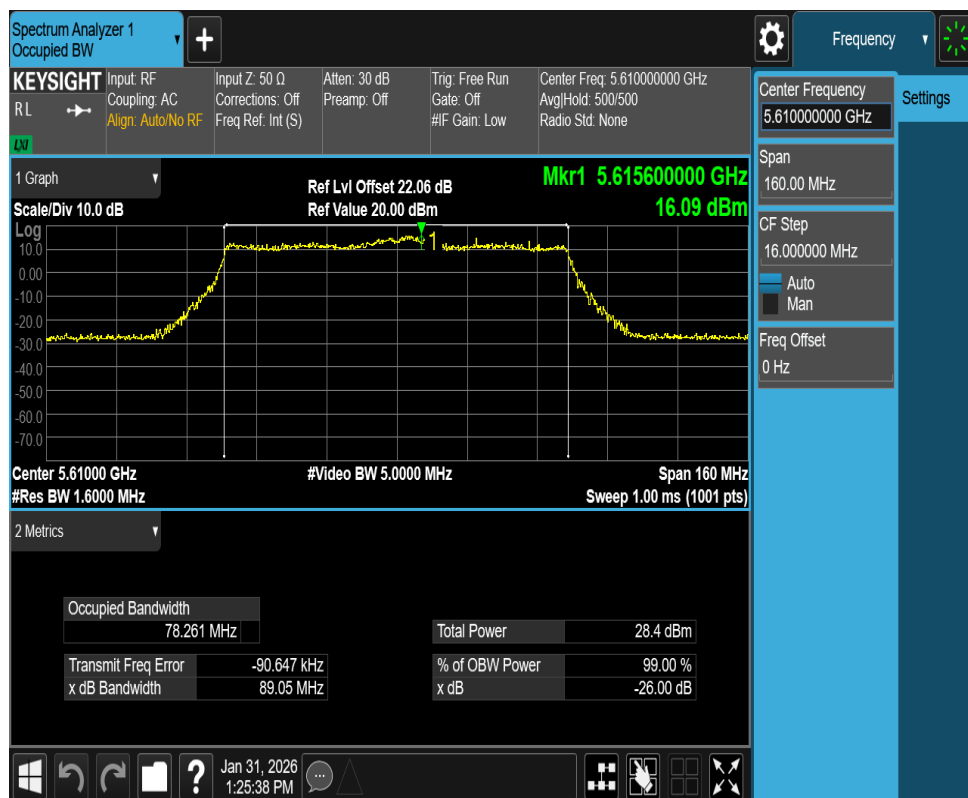
11BE80MIMO_Ant0_5530



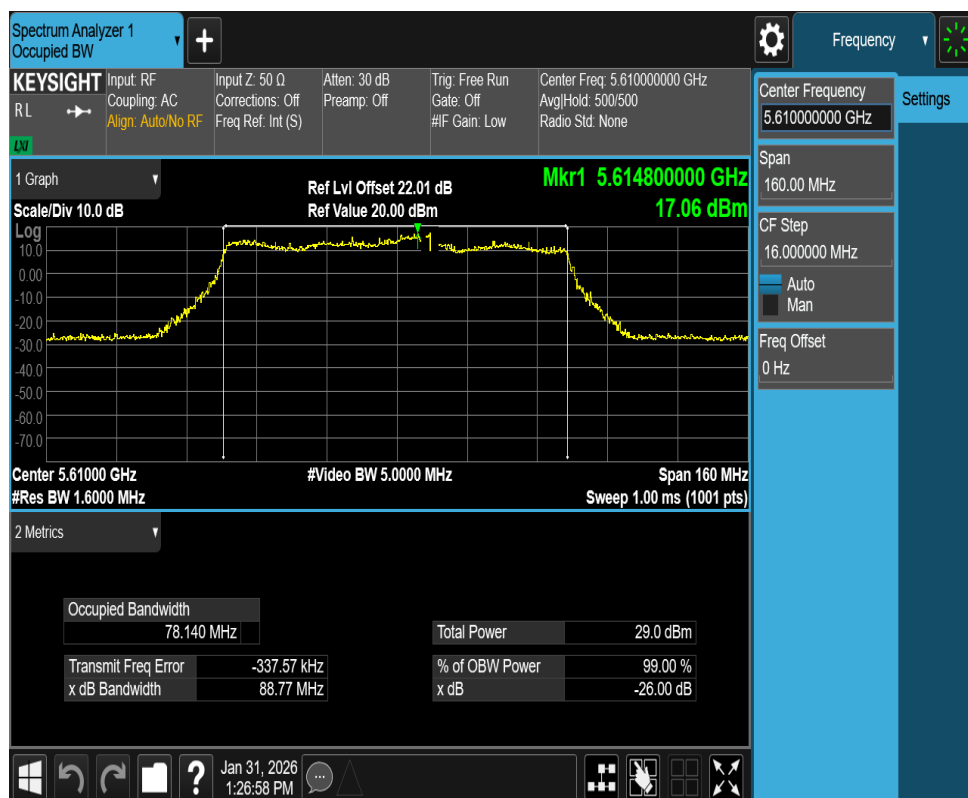
11BE80MIMO_Ant1_5530



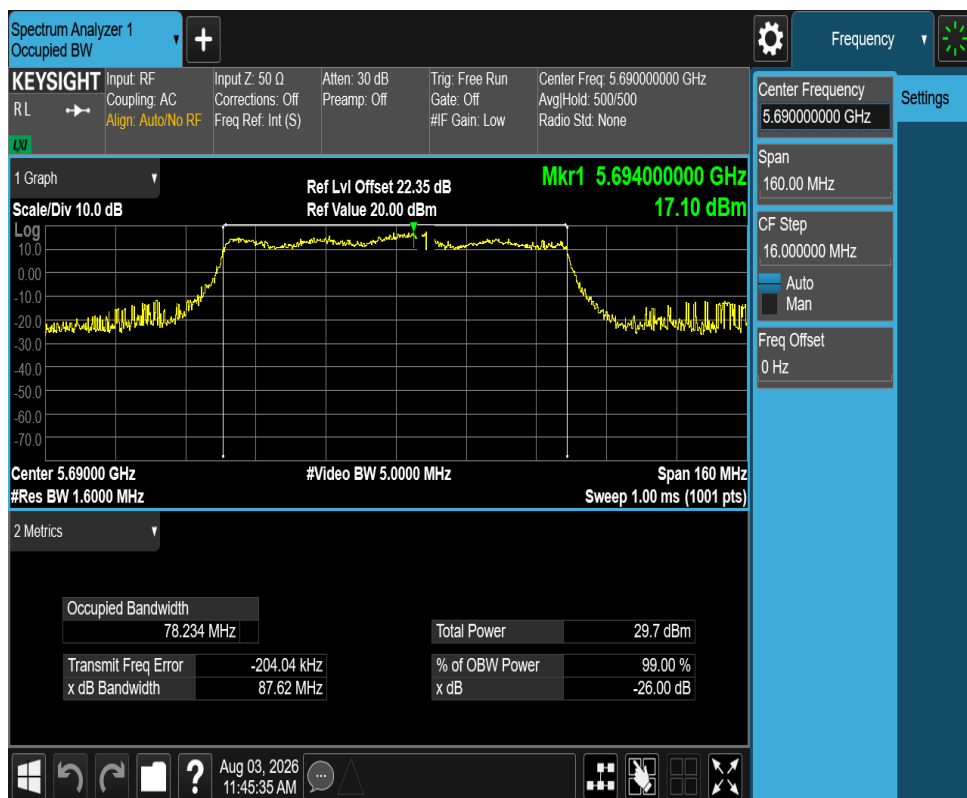
11BE80MIMO_Ant0_5610



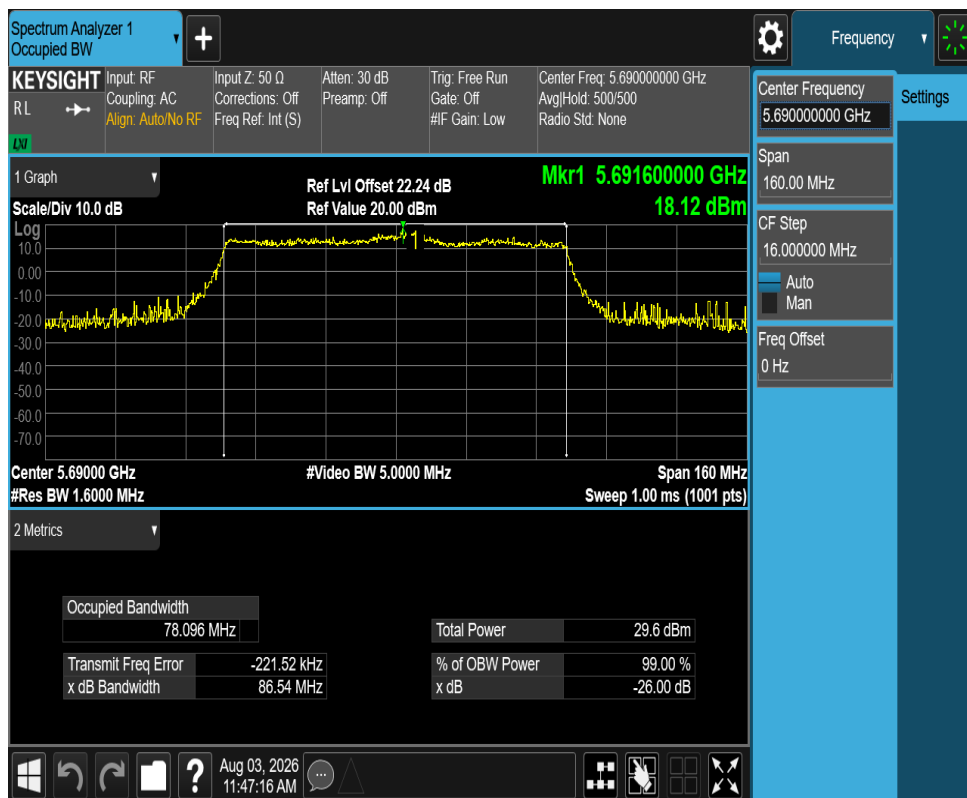
11BE80MIMO_Ant1_5610



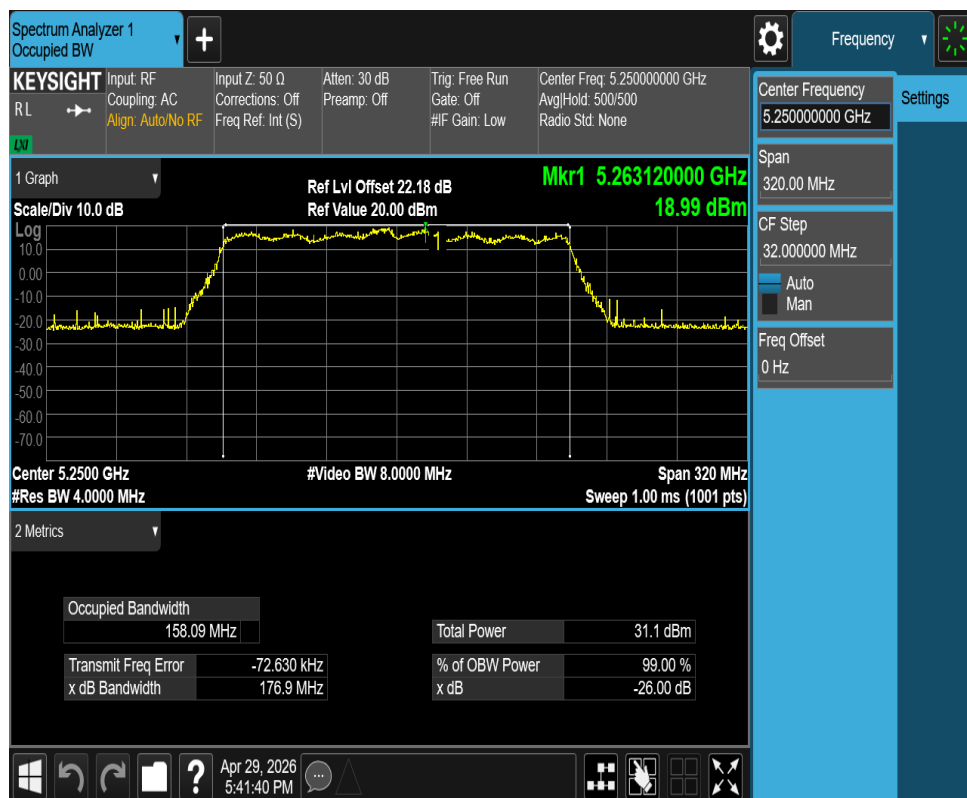
11BE80MIMO_Ant0_5690



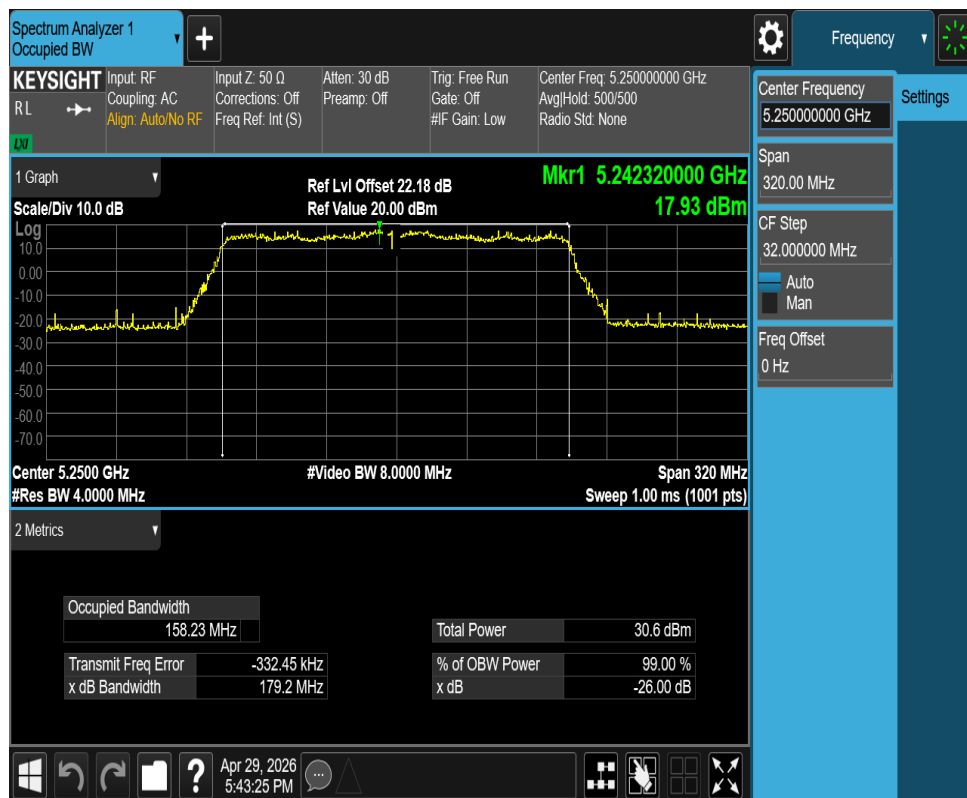
11BE80MIMO_Ant1_5690



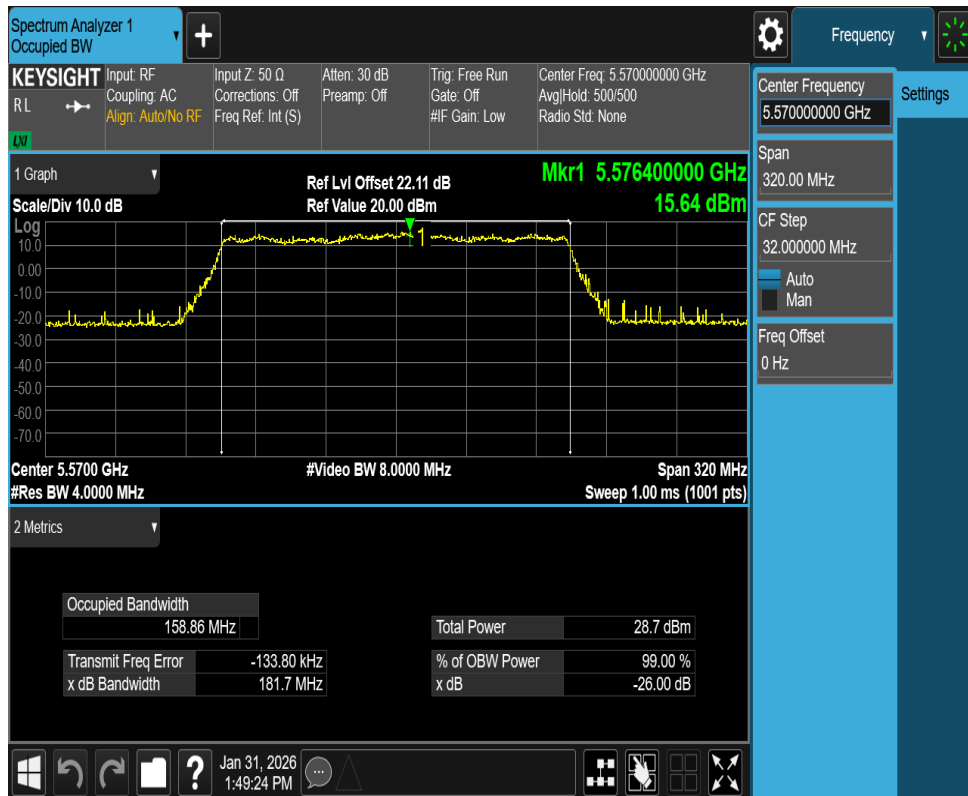
11BE160MIMO_Ant0_5250



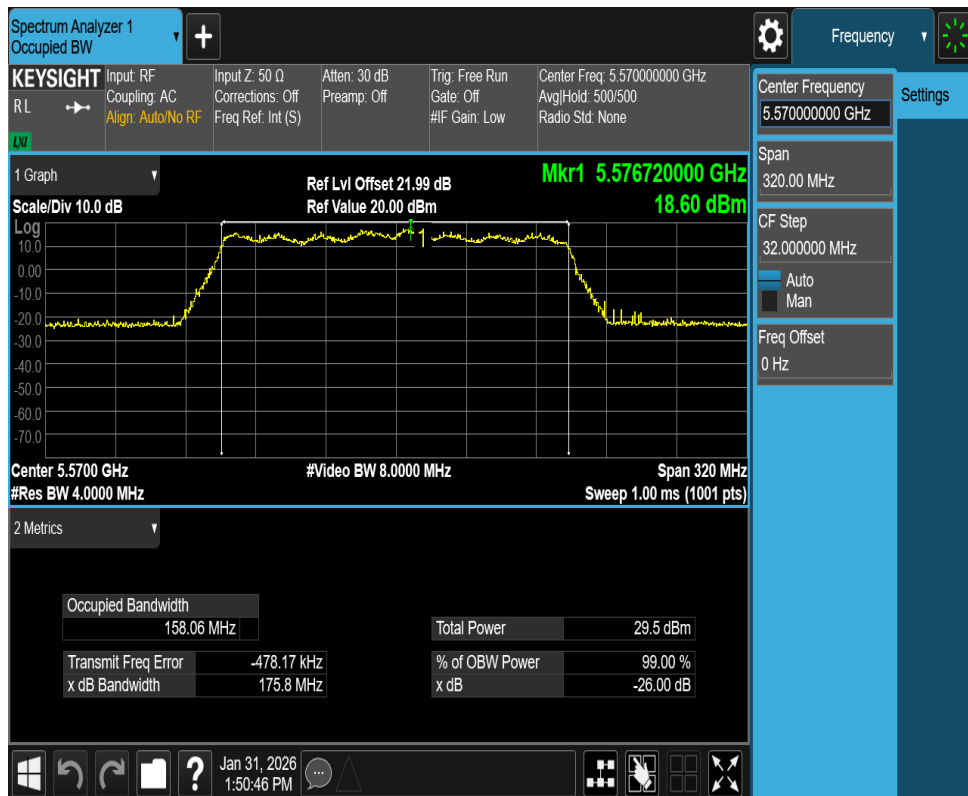
11BE160MIMO_Ant1_5250



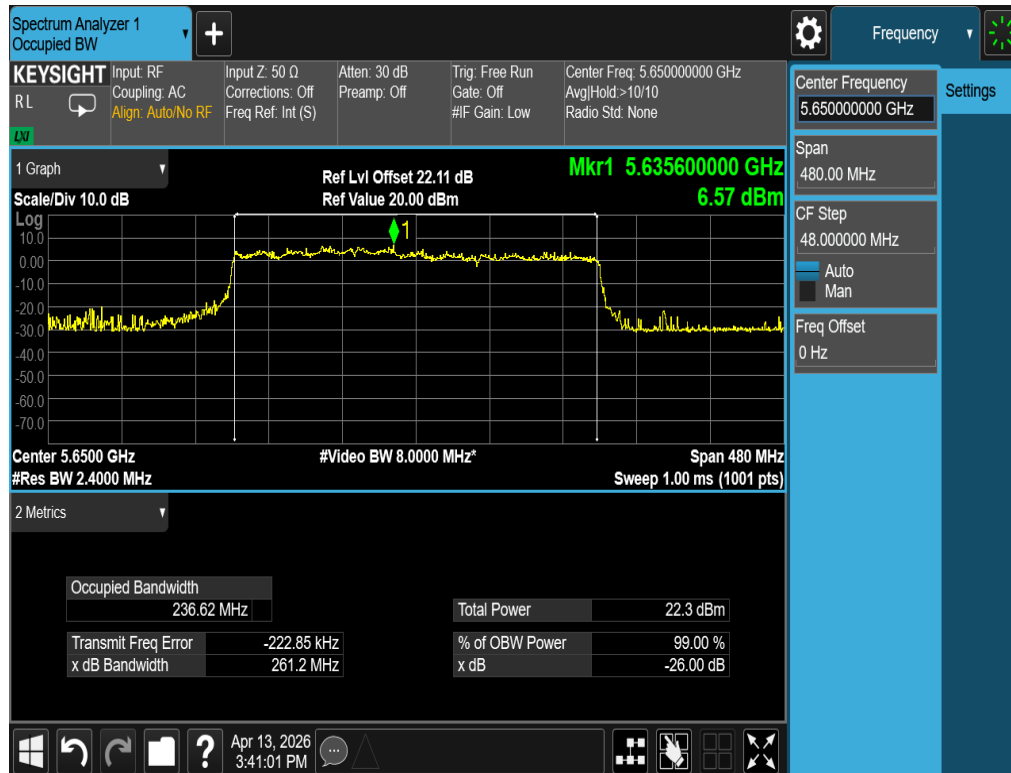
11BE160MIMO_Ant0_5570



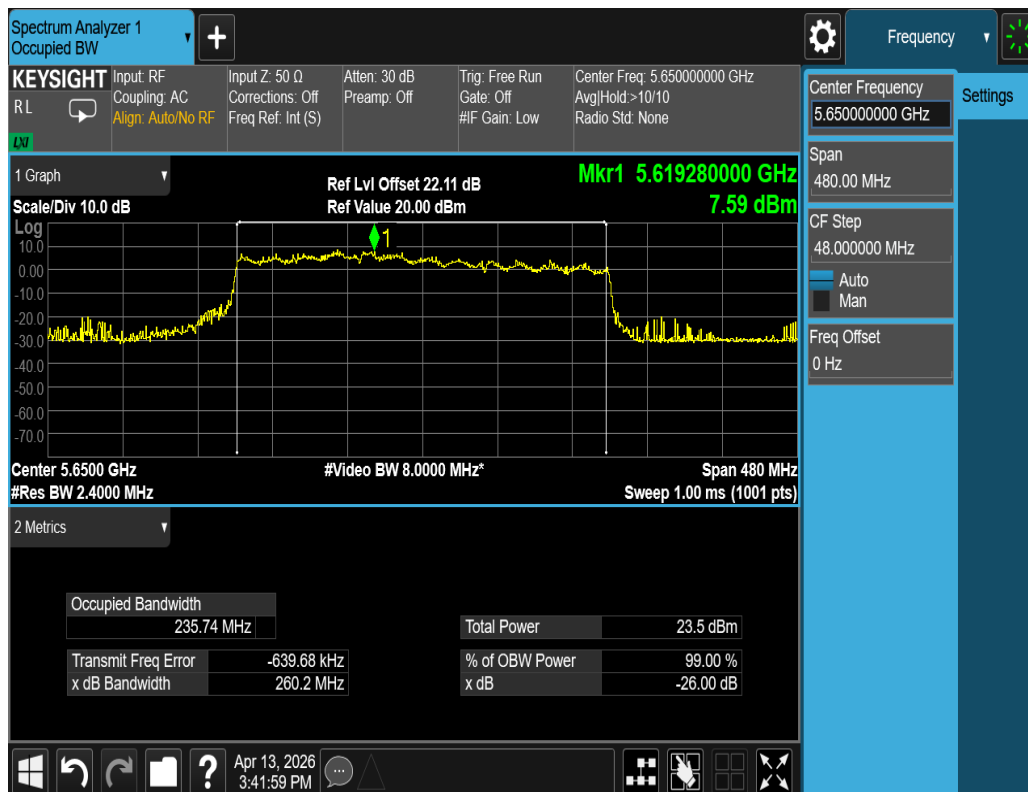
11BE160MIMO_Ant1_5570



11BE240MIMO_Ant0_5650



11BE240MIMO_Ant1_5650



3.4 Conducted Output Power

3.4.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Conducted Output Power	Master device: 1 Watt (30 dBm) Client device: 250 mW (23.98 dBm)	5150-5250
		250 mW (23.98 dBm)	5250-5350
		250 mW (23.98 dBm)	5470-5725
		1 Watt (30dBm)	5725-5850

Note:

- For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
- For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10log B, where B is the 26dB Bandwidth in megahertz.

3.4.2 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 power meter and antenna output port as show in the block diagram below.
- Test was performed in accordance with method of FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01.

3.4.3 Test Setup



3.4.4 Table of Parameters of Text Software Setting

No beamforming

UNII-2A						
Test Software Version	QSPR					
Frequency (MHz)	5260		5280		5320	
TPC	H	L	H	L	H	L
IEEE 802.11a	16	10	16	10	15.5	9.5
IEEE 802.11ax20	17.5	11.5	17.5	11.5	17	11
IEEE 802.11be20	17.5	11.5	17.5	11.5	17.5	11.5
Frequency (MHz)	5270		5310			
IEEE 802.11ax40	20.5	14.5	20	14		
IEEE 802.11be40	20.5	14.5	20	14		
Frequency (MHz)	5290					
IEEE 802.11ax80	20.5	14.5				
IEEE 802.11be80	20.5	14.5				
Frequency (MHz)	5250					
IEEE 802.11ax160	22.5	16.5				
IEEE 802.11be160	22.5	16.5				

UNII-2C								
Test Software Version	QSPR							
Frequency (MHz)	5500		5580		5700		5720	
TPC	H	L	H	L	H	L	H	L
IEEE 802.11a	17.5	11.5	17	11	16	10	16	10
IEEE 802.11ax20	18	12	17.5	11.5	15.5	9.5	17	11
IEEE 802.11be20	18.5	12.5	18	12	16	10	17	11
Frequency (MHz)	5510		5550		5670		5710	
IEEE 802.11ax40	20.5	14.5	21	15	18.5	12.5	19	13
IEEE 802.11be40	20.5	14.5	20.5	14.5	18.5	12.5	18.5	12.5
Frequency (MHz)	5530		5610		5690			
IEEE 802.11ax80	21	15	20.5	14.5	20.5	14.5		
IEEE 802.11be80	21	15	21	15	21	15		
Frequency (MHz)	5570							
IEEE 802.11ax160	21	15						
IEEE 802.11be160	21	15						
Frequency (MHz)	5650							
IEEE 802.11be240	20	14						

Beamforming

UNII-2A						
Test Software Version	QSPR					
Frequency (MHz)	5260		5280		5320	
TPC	H	L	H	L	H	L
IEEE 802.11ax20	18.5	12.5	17.5	11.5	18	12
IEEE 802.11be20	18.5	12.5	17.5	11.5	18	12
Frequency (MHz)	5270		5310			
IEEE 802.11ax40	20.5	14.5	20	14		
IEEE 802.11be40	20.5	14.5	20	14		
Frequency (MHz)	5290					
IEEE 802.11ax80	20.5	14.5				
IEEE 802.11be80	21	17				
Frequency (MHz)	5250					
IEEE 802.11ax160	22.5	16.5				
IEEE 802.11be160	22.5	16.5				

UNII-2C								
Test Software Version	QSPR							
Frequency (MHz)	5500		5580		5700		5720	
TPC	H	L	H	L	H	L	H	L
IEEE 802.11ax20	18	12	18	12	15.5	9.5	17	11
IEEE 802.11be20	18.5	12.5	18	12	16	10	17	11
Frequency (MHz)	5510		5550		5670		5710	
IEEE 802.11ax40	20.5	14.5	20.5	14.5	19.5	13.5	19	13
IEEE 802.11be40	21	15	20.5	14.5	19.5	13.5	18.5	12.5
Frequency (MHz)	5530		5610		5690			
IEEE 802.11ax80	21	15	20.5	14.5	20.5	14.5		
IEEE 802.11be80	20.5	14.55	21	15	20.5	14.5		
Frequency (MHz)	5570							
IEEE 802.11ax160	21	15						
IEEE 802.11be160	20.5	14.5						
Frequency (MHz)	5650							
IEEE 802.11be240	20	14						

3.4.5 The Result

No Beamforming

Test Mode	Antenna	Frequency[MHz]	TPC Mode	Result [dBm]	Limit [dBm]	Verdict
11A-CDD	Ant0	5260	TPC_H	16.07	≤23.48	PASS
	Ant1	5260	TPC_H	16.38	≤23.48	PASS
	total	5260	TPC_H	19.24	≤23.48	PASS
	Ant0	5260	TPC_L	9.97	≤23.48	PASS
	Ant1	5260	TPC_L	10.28	≤23.48	PASS
	total	5260	TPC_L	13.14	≤23.48	PASS
	Ant0	5280	TPC_H	16.22	≤23.48	PASS
	Ant1	5280	TPC_H	16.69	≤23.48	PASS
	total	5280	TPC_H	19.47	≤23.48	PASS
	Ant0	5280	TPC_L	10.01	≤23.48	PASS
	Ant1	5280	TPC_L	10.59	≤23.48	PASS
	total	5280	TPC_L	13.32	≤23.48	PASS
	Ant0	5320	TPC_H	15.94	≤23.48	PASS
	Ant1	5320	TPC_H	16.29	≤23.48	PASS
	total	5320	TPC_H	19.13	≤23.48	PASS
	Ant0	5320	TPC_L	9.81	≤23.48	PASS
	Ant1	5320	TPC_L	10.08	≤23.48	PASS
	total	5320	TPC_L	12.96	≤23.48	PASS
	Ant0	5500	TPC_H	16.67	≤23.48	PASS
	Ant1	5500	TPC_H	16.09	≤23.48	PASS
	total	5500	TPC_H	19.40	≤23.48	PASS
	Ant0	5500	TPC_L	10.57	≤23.48	PASS
	Ant1	5500	TPC_L	9.99	≤23.48	PASS
	total	5500	TPC_L	13.30	≤23.48	PASS
	Ant0	5580	TPC_H	16.08	≤23.48	PASS
	Ant1	5580	TPC_H	15.92	≤23.48	PASS
	total	5580	TPC_H	19.01	≤23.48	PASS
	Ant0	5580	TPC_L	9.98	≤23.48	PASS
	Ant1	5580	TPC_L	9.82	≤23.48	PASS
	total	5580	TPC_L	12.91	≤23.48	PASS
	Ant0	5700	TPC_H	15.53	≤23.48	PASS
	Ant1	5700	TPC_H	17.10	≤23.48	PASS
	total	5700	TPC_H	19.40	≤23.48	PASS
	Ant0	5700	TPC_L	9.53	≤23.48	PASS
	Ant1	5700	TPC_L	11.00	≤23.48	PASS
	total	5700	TPC_L	13.34	≤23.48	PASS
	Ant0	5720_UNII-2C	TPC_H	15.73	≤23.48	PASS
	Ant1	5720_UNII-2C	TPC_H	15.47	≤23.48	PASS

11AX20MIMO	total	5720_UNII-2C	TPC_H	18.61	≤23.48	PASS
	Ant0	5720_UNII-2C	TPC_L	9.63	≤23.48	PASS
	Ant1	5720_UNII-2C	TPC_L	9.40	≤23.48	PASS
	total	5720_UNII-2C	TPC_L	12.53	≤23.48	PASS
	Ant0	5720_UNII-3	NA	8.98	≤29.50	PASS
	Ant1	5720_UNII-3	NA	8.71	≤29.50	PASS
	total	5720_UNII-3	NA	11.86	≤29.50	PASS
	Ant0	5260	TPC_H	17.70	≤23.48	PASS
	Ant1	5260	TPC_H	17.00	≤23.48	PASS
	total	5260	TPC_H	20.37	≤23.48	PASS
	Ant0	5260	TPC_L	11.60	≤23.48	PASS
	Ant1	5260	TPC_L	10.90	≤23.48	PASS
	total	5260	TPC_L	14.27	≤23.48	PASS
	Ant0	5280	TPC_H	17.94	≤23.48	PASS
	Ant1	5280	TPC_H	17.20	≤23.48	PASS
	total	5280	TPC_H	20.60	≤23.48	PASS
	Ant0	5280	TPC_L	11.84	≤23.48	PASS
	Ant1	5280	TPC_L	11.10	≤23.48	PASS
	total	5280	TPC_L	14.50	≤23.48	PASS
	Ant0	5320	TPC_H	17.67	≤23.48	PASS
	Ant1	5320	TPC_H	17.04	≤23.48	PASS
	total	5320	TPC_H	20.38	≤23.48	PASS
	Ant0	5320	TPC_L	11.57	≤23.48	PASS
	Ant1	5320	TPC_L	10.94	≤23.48	PASS
	total	5320	TPC_L	14.28	≤23.48	PASS
	Ant0	5500	TPC_H	16.55	≤23.48	PASS
	Ant1	5500	TPC_H	17.77	≤23.48	PASS
	total	5500	TPC_H	20.21	≤23.48	PASS
	Ant0	5500	TPC_L	10.45	≤23.48	PASS
	Ant1	5500	TPC_L	11.67	≤23.48	PASS
	total	5500	TPC_L	14.11	≤23.48	PASS
	Ant0	5580	TPC_H	16.63	≤23.48	PASS
	Ant1	5580	TPC_H	17.40	≤23.48	PASS
	total	5580	TPC_H	20.04	≤23.48	PASS
	Ant0	5580	TPC_L	10.53	≤23.48	PASS
	Ant1	5580	TPC_L	11.30	≤23.48	PASS
	total	5580	TPC_L	13.94	≤23.48	PASS
	Ant0	5700	TPC_H	16.62	≤23.48	PASS
	Ant1	5700	TPC_H	16.88	≤23.48	PASS
	total	5700	TPC_H	19.76	≤23.48	PASS
	Ant0	5700	TPC_L	10.52	≤23.48	PASS
	Ant1	5700	TPC_L	10.78	≤23.48	PASS
	total	5700	TPC_L	13.66	≤23.48	PASS