

	Ant1	5320	14.66	≤ 22.57	PASS
	Ant2	5320	14.89	≤ 22.57	PASS
	total	5320	17.79	≤ 22.57	PASS
	Ant1	5500	14.37	≤ 22.57	PASS
	Ant2	5500	14.55	≤ 22.57	PASS
	total	5500	17.47	≤ 22.57	PASS
	Ant1	5580	13.97	≤ 22.57	PASS
	Ant2	5580	14.75	≤ 22.57	PASS
	total	5580	17.39	≤ 22.57	PASS
	Ant1	5700	14.26	≤ 22.57	PASS
	Ant2	5700	14.75	≤ 22.57	PASS
	total	5700	17.52	≤ 22.57	PASS
	Ant1	5745	14.90	≤ 28.59	PASS
	Ant2	5745	14.30	≤ 28.59	PASS
	total	5745	17.62	≤ 28.59	PASS
	Ant1	5785	15.71	≤ 28.59	PASS
	Ant2	5785	15.23	≤ 28.59	PASS
	total	5785	18.49	≤ 28.59	PASS
	Ant1	5825	14.82	≤ 28.59	PASS
	Ant2	5825	15.09	≤ 28.59	PASS
	total	5825	17.97	≤ 28.59	PASS
11N40MIMO	Ant1	5190	11.25	≤ 22.57	PASS
	Ant2	5190	11.04	≤ 22.57	PASS
	total	5190	14.16	≤ 22.57	PASS
	Ant1	5230	9.74	≤ 22.57	PASS
	Ant2	5230	10.44	≤ 22.57	PASS
	total	5230	13.11	≤ 22.57	PASS
	Ant1	5270	15.13	≤ 22.57	PASS
	Ant2	5270	13.14	≤ 22.57	PASS
	total	5270	17.26	≤ 22.57	PASS
	Ant1	5310	14.40	≤ 22.57	PASS
	Ant2	5310	14.82	≤ 22.57	PASS
	total	5310	17.63	≤ 22.57	PASS
	Ant1	5510	14.24	≤ 22.57	PASS
	Ant2	5510	14.79	≤ 22.57	PASS
	total	5510	17.53	≤ 22.57	PASS
	Ant1	5550	14.41	≤ 22.57	PASS
	Ant2	5550	14.76	≤ 22.57	PASS
	total	5550	17.60	≤ 22.57	PASS
	Ant1	5670	14.23	≤ 22.57	PASS
	Ant2	5670	14.01	≤ 22.57	PASS
	total	5670	17.13	≤ 22.57	PASS

	Ant1	5755	14.15	≤28.59	PASS
	Ant2	5755	15.05	≤28.59	PASS
	total	5755	17.63	≤28.59	PASS
	Ant1	5795	14.17	≤28.59	PASS
	Ant2	5795	13.77	≤28.59	PASS
	total	5795	16.98	≤28.59	PASS
11AC20MIMO	Ant1	5180	8.29	≤22.57	PASS
	Ant2	5180	8.98	≤22.57	PASS
	total	5180	11.66	≤22.57	PASS
	Ant1	5200	7.70	≤22.57	PASS
	Ant2	5200	8.66	≤22.57	PASS
	total	5200	11.22	≤22.57	PASS
	Ant1	5240	7.43	≤22.57	PASS
	Ant2	5240	7.55	≤22.57	PASS
	total	5240	10.50	≤22.57	PASS
	Ant1	5260	14.27	≤22.57	PASS
	Ant2	5260	14.13	≤22.57	PASS
	total	5260	17.21	≤22.57	PASS
	Ant1	5280	14.54	≤22.57	PASS
	Ant2	5280	14.33	≤22.57	PASS
	total	5280	17.45	≤22.57	PASS
	Ant1	5320	14.28	≤22.57	PASS
	Ant2	5320	15.39	≤22.57	PASS
	total	5320	17.88	≤22.57	PASS
	Ant1	5500	14.33	≤22.57	PASS
	Ant2	5500	13.99	≤22.57	PASS
	total	5500	17.17	≤22.57	PASS
	Ant1	5580	14.97	≤22.57	PASS
	Ant2	5580	14.31	≤22.57	PASS
	total	5580	17.66	≤22.57	PASS
	Ant1	5700	14.43	≤22.57	PASS
	Ant2	5700	13.81	≤22.57	PASS
	total	5700	17.14	≤22.57	PASS
	Ant1	5745	14.67	≤28.59	PASS
	Ant2	5745	14.23	≤28.59	PASS
	total	5745	17.47	≤28.59	PASS
	Ant1	5785	14.87	≤28.59	PASS
	Ant2	5785	13.77	≤28.59	PASS
	total	5785	17.37	≤28.59	PASS
	Ant1	5825	14.81	≤28.59	PASS
	Ant2	5825	14.84	≤28.59	PASS
	total	5825	17.84	≤28.59	PASS

11AC40MIMO	Ant1	5190	11.40	≤ 22.57	PASS
	Ant2	5190	10.81	≤ 22.57	PASS
	total	5190	14.13	≤ 22.57	PASS
	Ant1	5230	10.58	≤ 22.57	PASS
	Ant2	5230	10.46	≤ 22.57	PASS
	total	5230	13.53	≤ 22.57	PASS
	Ant1	5270	14.60	≤ 22.57	PASS
	Ant2	5270	13.97	≤ 22.57	PASS
	total	5270	17.31	≤ 22.57	PASS
	Ant1	5310	13.32	≤ 22.57	PASS
	Ant2	5310	14.60	≤ 22.57	PASS
	total	5310	17.02	≤ 22.57	PASS
	Ant1	5510	14.23	≤ 22.57	PASS
	Ant2	5510	14.08	≤ 22.57	PASS
	total	5510	17.17	≤ 22.57	PASS
	Ant1	5550	14.96	≤ 22.57	PASS
	Ant2	5550	14.07	≤ 22.57	PASS
	total	5550	17.55	≤ 22.57	PASS
	Ant1	5670	14.40	≤ 22.57	PASS
	Ant2	5670	13.41	≤ 22.57	PASS
	total	5670	16.94	≤ 22.57	PASS
	Ant1	5755	14.36	≤ 28.59	PASS
	Ant2	5755	14.15	≤ 28.59	PASS
	total	5755	17.27	≤ 28.59	PASS
	Ant1	5795	15.16	≤ 28.59	PASS
	Ant2	5795	14.86	≤ 28.59	PASS
	total	5795	18.02	≤ 28.59	PASS
11AC80MIMO	Ant1	5210	11.23	≤ 22.57	PASS
	Ant2	5210	10.24	≤ 22.57	PASS
	total	5210	13.77	≤ 22.57	PASS
	Ant1	5290	13.41	≤ 22.57	PASS
	Ant2	5290	13.42	≤ 22.57	PASS
	total	5290	16.43	≤ 22.57	PASS
	Ant1	5530	12.75	≤ 22.57	PASS
	Ant2	5530	12.56	≤ 22.57	PASS
	total	5530	15.67	≤ 22.57	PASS
	Ant1	5610	14.29	≤ 22.57	PASS
	Ant2	5610	13.00	≤ 22.57	PASS
	total	5610	16.70	≤ 22.57	PASS
	Ant1	5775	13.87	≤ 28.59	PASS
	Ant2	5775	12.45	≤ 28.59	PASS
	total	5775	16.23	≤ 28.59	PASS

11AX20MIMO	Ant1	5180	6.43	≤ 22.57	PASS
	Ant2	5180	7.17	≤ 22.57	PASS
	total	5180	9.83	≤ 22.57	PASS
	Ant1	5200	7.43	≤ 22.57	PASS
	Ant2	5200	8.50	≤ 22.57	PASS
	total	5200	11.01	≤ 22.57	PASS
	Ant1	5240	7.86	≤ 22.57	PASS
	Ant2	5240	7.82	≤ 22.57	PASS
	total	5240	10.85	≤ 22.57	PASS
	Ant1	5260	12.75	≤ 22.57	PASS
	Ant2	5260	11.84	≤ 22.57	PASS
	total	5260	15.33	≤ 22.57	PASS
	Ant1	5280	12.68	≤ 22.57	PASS
	Ant2	5280	12.12	≤ 22.57	PASS
	total	5280	15.42	≤ 22.57	PASS
	Ant1	5320	12.53	≤ 22.57	PASS
	Ant2	5320	12.69	≤ 22.57	PASS
	total	5320	15.62	≤ 22.57	PASS
	Ant1	5500	12.27	≤ 22.57	PASS
	Ant2	5500	12.04	≤ 22.57	PASS
	total	5500	15.17	≤ 22.57	PASS
	Ant1	5580	12.80	≤ 22.57	PASS
	Ant2	5580	12.14	≤ 22.57	PASS
	total	5580	15.49	≤ 22.57	PASS
	Ant1	5700	12.17	≤ 22.57	PASS
	Ant2	5700	13.15	≤ 22.57	PASS
	total	5700	15.70	≤ 22.57	PASS
	Ant1	5745	12.96	≤ 28.59	PASS
	Ant2	5745	12.67	≤ 28.59	PASS
	total	5745	15.83	≤ 28.59	PASS
	Ant1	5785	13.05	≤ 28.59	PASS
	Ant2	5785	12.81	≤ 28.59	PASS
	total	5785	15.94	≤ 28.59	PASS
	Ant1	5825	12.95	≤ 28.59	PASS
	Ant2	5825	13.13	≤ 28.59	PASS
	total	5825	16.05	≤ 28.59	PASS
11AX40MIMO	Ant1	5190	12.36	≤ 22.57	PASS
	Ant2	5190	11.73	≤ 22.57	PASS
	total	5190	15.07	≤ 22.57	PASS
	Ant1	5230	12.49	≤ 22.57	PASS
	Ant2	5230	11.38	≤ 22.57	PASS
	total	5230	14.98	≤ 22.57	PASS

	Ant1	5270	11.72	≤22.57	PASS
	Ant2	5270	11.82	≤22.57	PASS
	total	5270	14.78	≤22.57	PASS
	Ant1	5310	11.91	≤22.57	PASS
	Ant2	5310	12.86	≤22.57	PASS
	total	5310	15.42	≤22.57	PASS
	Ant1	5510	12.04	≤22.57	PASS
	Ant2	5510	12.23	≤22.57	PASS
	total	5510	15.15	≤22.57	PASS
	Ant1	5550	12.28	≤22.57	PASS
	Ant2	5550	12.29	≤22.57	PASS
	total	5550	15.30	≤22.57	PASS
	Ant1	5670	11.72	≤22.57	PASS
	Ant2	5670	11.74	≤22.57	PASS
	total	5670	14.74	≤22.57	PASS
	Ant1	5755	12.30	≤28.59	PASS
	Ant2	5755	12.61	≤28.59	PASS
	total	5755	15.47	≤28.59	PASS
	Ant1	5795	12.91	≤28.59	PASS
	Ant2	5795	12.81	≤28.59	PASS
	total	5795	15.87	≤28.59	PASS
11AX80MIMO	Ant1	5210	9.95	≤22.57	PASS
	Ant2	5210	10.21	≤22.57	PASS
	total	5210	13.09	≤22.57	PASS
	Ant1	5290	12.32	≤22.57	PASS
	Ant2	5290	11.96	≤22.57	PASS
	total	5290	15.15	≤22.57	PASS
	Ant1	5530	11.24	≤22.57	PASS
	Ant2	5530	12.01	≤22.57	PASS
	total	5530	14.65	≤22.57	PASS
	Ant1	5610	11.81	≤22.57	PASS
	Ant2	5610	11.79	≤22.57	PASS
	total	5610	14.81	≤22.57	PASS
	Ant1	5775	12.59	≤28.59	PASS
	Ant2	5775	12.64	≤28.59	PASS
	total	5775	15.63	≤28.59	PASS

Note: The Duty Cycle Factor is compensated in the test system

For MIMO mode

Unequal antenna gains, with equal transmit powers. For antenna gains given by $G_1, G_2, \dots, G_N$ dBi

If transmit signals are correlated, then Directional gain = $10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

[Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

Directional gain = $10 \log[(10^{4.2/20} + 10^{4.6/20})^2 / N_{ANT}]$ dBi=7.41 dBi

3.5 Power Spectral Density

3.5.1 Limit

FCC Part15, Subpart E (15.407)			
Section	Test Item	Limit	Frequency Range (MHz)
15.407(a)	Power Spectral Density	Master device: 17 dBm/MHz Client device: 11 dBm/MHz	5150-5250
		11 dBm/MHz	5250-5350
		11 dBm/MHz	5470-5725
		30 dBm/500 kHz	5725-5850

Note:

- For UNII-3, according to KDB publication 789033 D02 General UNII Test Procedures New Rules v02r01, section II.F.5., it is acceptable to set RBW at 300kHz and VBW at 1500kHz if the spectrum analyzer does not have 500 kHz RBW. Then, add $10 \log (500 \text{ kHz}/300 \text{ kHz})$ to the measured result, i.e. 2.22 dB.
- During the test of U-NII 3 PSD, the measurement result with RBW=300kHz has been added 2.22 dB by compensating offset, offset=cable loss+duty factor+ $10\log(500\text{kHz}/300\text{kHz})$.

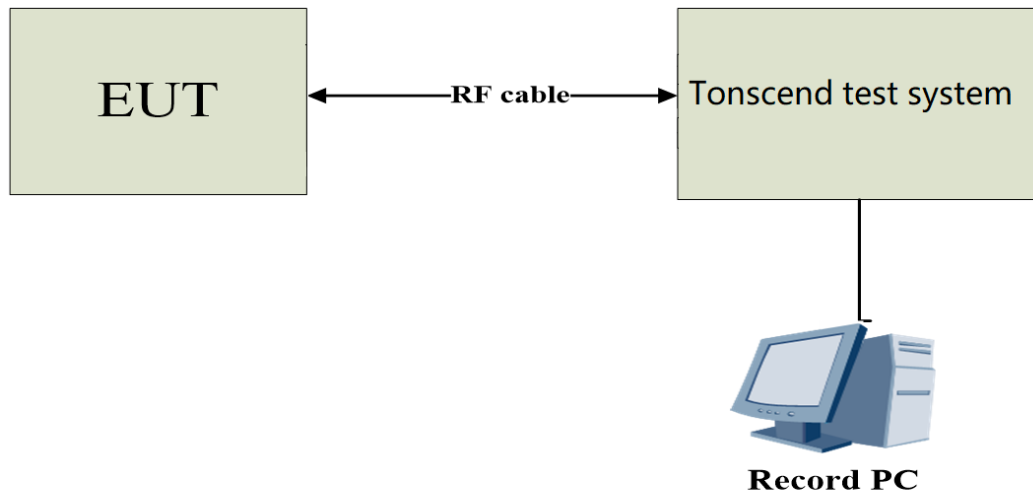
3.5.2 Test Procedure

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	

a) The EUT was directly connected to the tonscond test system and antenna output port as show in the block diagram below. Spectrum analyser settings as following:

Centre Frequency	The centre frequency of the channel under test
RBW	= 1 MHz (Band1/2/3); = 500kHz (Band4)
VBW	$\geq 3 \times \text{RBW}$
Frequency span	2 x Nominal Channel Bandwidth
Detector Mode	RMS
Trace Mode	Max Hold
Sweep Time	Auto Couple

3.5.3 Test Setup



3.5.4 The Result

Test Mode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit [dBm/MHz]	Verdict
11A	Ant1	5180	4.52	≤9.59	PASS
	Ant2	5180	3.31	≤9.59	PASS
	Ant1	5200	4.26	≤9.59	PASS
	Ant2	5200	3.73	≤9.59	PASS
	Ant1	5240	4.06	≤9.59	PASS
	Ant2	5240	3.53	≤9.59	PASS
	Ant1	5260	3.88	≤9.59	PASS
	Ant2	5260	3.45	≤9.59	PASS
	Ant1	5280	2.65	≤9.59	PASS
	Ant2	5280	3.29	≤9.59	PASS
	Ant1	5320	4.36	≤9.59	PASS
	Ant2	5320	4.51	≤9.59	PASS
	Ant1	5500	4	≤9.59	PASS
	Ant2	5500	3.21	≤9.59	PASS
	Ant1	5580	3.82	≤9.59	PASS
	Ant2	5580	3.49	≤9.59	PASS
	Ant1	5700	2.74	≤9.59	PASS
	Ant2	5700	3.89	≤9.59	PASS
	Ant1	5745	2.17	≤28.59	PASS
	Ant2	5745	1.5	≤28.59	PASS
	Ant1	5785	1.93	≤28.59	PASS
	Ant2	5785	1.06	≤28.59	PASS
	Ant1	5825	1.67	≤28.59	PASS
	Ant2	5825	1.02	≤28.59	PASS
11N20MIMO	Ant1	5180	-2	≤9.59	PASS
	Ant2	5180	-1.65	≤9.59	PASS
	total	5180	1.19	≤9.59	PASS
	Ant1	5200	-2.34	≤9.59	PASS
	Ant2	5200	-1.52	≤9.59	PASS
	total	5200	1.10	≤9.59	PASS
	Ant1	5240	-1.88	≤9.59	PASS
	Ant2	5240	-2.58	≤9.59	PASS
	total	5240	0.79	≤9.59	PASS
	Ant1	5260	4.55	≤9.59	PASS
	Ant2	5260	3.92	≤9.59	PASS
	total	5260	7.26	≤9.59	PASS
	Ant1	5280	4.81	≤9.59	PASS
	Ant2	5280	4.6	≤9.59	PASS
	total	5280	7.72	≤9.59	PASS

	Ant1	5320	4.76	≤9.59	PASS
	Ant2	5320	5.17	≤9.59	PASS
	total	5320	7.98	≤9.59	PASS
	Ant1	5500	4.93	≤9.59	PASS
	Ant2	5500	4.7	≤9.59	PASS
	total	5500	7.83	≤9.59	PASS
	Ant1	5580	5.27	≤9.59	PASS
	Ant2	5580	4.84	≤9.59	PASS
	total	5580	8.07	≤9.59	PASS
	Ant1	5700	4.53	≤9.59	PASS
	Ant2	5700	4.98	≤9.59	PASS
	total	5700	7.77	≤9.59	PASS
	Ant1	5745	2.24	≤28.59	PASS
	Ant2	5745	2.32	≤28.59	PASS
	total	5745	5.29	≤28.59	PASS
	Ant1	5785	1.79	≤28.59	PASS
	Ant2	5785	2.44	≤28.59	PASS
	total	5785	5.14	≤28.59	PASS
	Ant1	5825	2.21	≤28.59	PASS
	Ant2	5825	2.34	≤28.59	PASS
	total	5825	5.29	≤28.59	PASS
11N40MIMO	Ant1	5190	-1.13	≤9.59	PASS
	Ant2	5190	-3.14	≤9.59	PASS
	total	5190	0.99	≤9.59	PASS
	Ant1	5230	-0.68	≤9.59	PASS
	Ant2	5230	-1.89	≤9.59	PASS
	total	5230	1.77	≤9.59	PASS
	Ant1	5270	1.51	≤9.59	PASS
	Ant2	5270	2.28	≤9.59	PASS
	total	5270	4.92	≤9.59	PASS
	Ant1	5310	2.65	≤9.59	PASS
	Ant2	5310	2.89	≤9.59	PASS
	total	5310	5.78	≤9.59	PASS
	Ant1	5510	2.9	≤9.59	PASS
	Ant2	5510	2.48	≤9.59	PASS
	total	5510	5.71	≤9.59	PASS
	Ant1	5550	2.63	≤9.59	PASS
	Ant2	5550	2.97	≤9.59	PASS
	total	5550	5.81	≤9.59	PASS
	Ant1	5670	1.72	≤9.59	PASS
	Ant2	5670	2.49	≤9.59	PASS
	total	5670	5.13	≤9.59	PASS

	Ant1	5755	-0.04	≤28.59	PASS
	Ant2	5755	0.31	≤28.59	PASS
	total	5755	3.15	≤28.59	PASS
	Ant1	5795	-0.63	≤28.59	PASS
	Ant2	5795	0.71	≤28.59	PASS
	total	5795	3.10	≤28.59	PASS
11AC20MIMO	Ant1	5180	-1.72	≤9.59	PASS
	Ant2	5180	-1.3	≤9.59	PASS
	total	5180	1.51	≤9.59	PASS
	Ant1	5200	-1.47	≤9.59	PASS
	Ant2	5200	-1.83	≤9.59	PASS
	total	5200	1.36	≤9.59	PASS
	Ant1	5240	-2.14	≤9.59	PASS
	Ant2	5240	-1.86	≤9.59	PASS
	total	5240	1.01	≤9.59	PASS
	Ant1	5260	5.2	≤9.59	PASS
	Ant2	5260	3.27	≤9.59	PASS
	total	5260	7.35	≤9.59	PASS
	Ant1	5280	4.25	≤9.59	PASS
	Ant2	5280	4.42	≤9.59	PASS
	total	5280	7.35	≤9.59	PASS
	Ant1	5320	4.57	≤9.59	PASS
	Ant2	5320	5.55	≤9.59	PASS
	total	5320	8.10	≤9.59	PASS
	Ant1	5500	4.91	≤9.59	PASS
	Ant2	5500	4.77	≤9.59	PASS
	total	5500	7.85	≤9.59	PASS
	Ant1	5580	4.28	≤9.59	PASS
	Ant2	5580	3.91	≤9.59	PASS
	total	5580	7.11	≤9.59	PASS
	Ant1	5700	4.13	≤9.59	PASS
	Ant2	5700	4.2	≤9.59	PASS
	total	5700	7.18	≤9.59	PASS
	Ant1	5745	2.65	≤28.59	PASS
	Ant2	5745	3.43	≤28.59	PASS
	total	5745	6.07	≤28.59	PASS
	Ant1	5785	2.21	≤28.59	PASS
	Ant2	5785	1.39	≤28.59	PASS
	total	5785	4.83	≤28.59	PASS
	Ant1	5825	2.5	≤28.59	PASS
	Ant2	5825	3	≤28.59	PASS
	total	5825	5.77	≤28.59	PASS

11AC40MIMO	Ant1	5190	-1.28	≤9.59	PASS
	Ant2	5190	-1.61	≤9.59	PASS
	total	5190	1.57	≤9.59	PASS
	Ant1	5230	-0.8	≤9.59	PASS
	Ant2	5230	-1.16	≤9.59	PASS
	total	5230	2.03	≤9.59	PASS
	Ant1	5270	2.46	≤9.59	PASS
	Ant2	5270	0.95	≤9.59	PASS
	total	5270	4.78	≤9.59	PASS
	Ant1	5310	3.27	≤9.59	PASS
	Ant2	5310	3.52	≤9.59	PASS
	total	5310	6.41	≤9.59	PASS
	Ant1	5510	3.65	≤9.59	PASS
	Ant2	5510	2.14	≤9.59	PASS
	total	5510	5.97	≤9.59	PASS
	Ant1	5550	2.88	≤9.59	PASS
	Ant2	5550	3.41	≤9.59	PASS
	total	5550	6.16	≤9.59	PASS
	Ant1	5670	1.95	≤9.59	PASS
	Ant2	5670	2.47	≤9.59	PASS
	total	5670	5.23	≤9.59	PASS
	Ant1	5755	0.38	≤28.59	PASS
	Ant2	5755	-0.18	≤28.59	PASS
	total	5755	3.12	≤28.59	PASS
	Ant1	5795	0.78	≤28.59	PASS
	Ant2	5795	-0.8	≤28.59	PASS
	total	5795	3.07	≤9.59	PASS
11AC80MIMO	Ant1	5210	-2.78	≤9.59	PASS
	Ant2	5210	-5.56	≤9.59	PASS
	total	5210	-0.94	≤9.59	PASS
	Ant1	5290	-1.48	≤9.59	PASS
	Ant2	5290	-0.59	≤9.59	PASS
	total	5290	2.00	≤9.59	PASS
	Ant1	5530	-1.92	≤9.59	PASS
	Ant2	5530	-2.04	≤9.59	PASS
	total	5530	1.03	≤9.59	PASS
	Ant1	5610	-0.76	≤9.59	PASS
	Ant2	5610	-2.28	≤9.59	PASS
	total	5610	1.56	≤9.59	PASS
	Ant1	5775	-2.51	≤28.59	PASS
	Ant2	5775	-3.37	≤28.59	PASS
	total	5775	0.09	≤28.59	PASS

11AX20MIMO	Ant1	5180	-3.53	≤9.59	PASS
	Ant2	5180	-1.06	≤9.59	PASS
	total	5180	0.89	≤9.59	PASS
	Ant1	5200	-1.86	≤9.59	PASS
	Ant2	5200	-1.41	≤9.59	PASS
	total	5200	1.38	≤9.59	PASS
	Ant1	5240	-1.55	≤9.59	PASS
	Ant2	5240	-2.16	≤9.59	PASS
	total	5240	1.17	≤9.59	PASS
	Ant1	5260	3.83	≤9.59	PASS
	Ant2	5260	2.1	≤9.59	PASS
	total	5260	6.06	≤9.59	PASS
	Ant1	5280	3.74	≤9.59	PASS
	Ant2	5280	2.12	≤9.59	PASS
	total	5280	6.02	≤9.59	PASS
	Ant1	5320	2.95	≤9.59	PASS
	Ant2	5320	3.94	≤9.59	PASS
	total	5320	6.48	≤9.59	PASS
	Ant1	5500	2.73	≤9.59	PASS
	Ant2	5500	2.4	≤9.59	PASS
	total	5500	5.58	≤9.59	PASS
	Ant1	5580	3.29	≤9.59	PASS
	Ant2	5580	2.73	≤9.59	PASS
	total	5580	6.03	≤9.59	PASS
	Ant1	5700	3.5	≤9.59	PASS
	Ant2	5700	4.34	≤9.59	PASS
	total	5700	6.95	≤9.59	PASS
	Ant1	5745	2.08	≤28.59	PASS
	Ant2	5745	0.57	≤28.59	PASS
	total	5745	4.40	≤28.59	PASS
	Ant1	5785	1.3	≤28.59	PASS
	Ant2	5785	0.73	≤28.59	PASS
	total	5785	4.03	≤28.59	PASS
	Ant1	5825	1.1	≤28.59	PASS
	Ant2	5825	1.13	≤28.59	PASS
	total	5825	4.13	≤28.59	PASS
11AX40MIMO	Ant1	5190	-0.74	≤9.59	PASS
	Ant2	5190	-2.52	≤9.59	PASS
	total	5190	1.47	≤9.59	PASS
	Ant1	5230	-1.87	≤9.59	PASS
	Ant2	5230	-1.62	≤9.59	PASS
	total	5230	1.27	≤9.59	PASS

	Ant1	5270	-0.01	≤9.59	PASS
	Ant2	5270	-0.97	≤9.59	PASS
	total	5270	2.55	≤9.59	PASS
	Ant1	5310	0.17	≤9.59	PASS
	Ant2	5310	1.3	≤9.59	PASS
	total	5310	3.78	≤9.59	PASS
	Ant1	5510	1.11	≤9.59	PASS
	Ant2	5510	1.64	≤9.59	PASS
	total	5510	4.39	≤9.59	PASS
	Ant1	5550	-0.84	≤9.59	PASS
	Ant2	5550	1.19	≤9.59	PASS
	total	5550	3.30	≤9.59	PASS
	Ant1	5670	-0.68	≤9.59	PASS
	Ant2	5670	-1	≤9.59	PASS
	total	5670	2.17	≤9.59	PASS
	Ant1	5755	-2.15	≤28.59	PASS
	Ant2	5755	-1.71	≤28.59	PASS
	total	5755	1.09	≤28.59	PASS
	Ant1	5795	-2.73	≤28.59	PASS
	Ant2	5795	-0.75	≤28.59	PASS
	total	5795	1.38	≤9.59	PASS
11AX80MIMO	Ant1	5210	-5.43	≤9.59	PASS
	Ant2	5210	-4.42	≤9.59	PASS
	total	5210	-1.89	≤9.59	PASS
	Ant1	5290	-1.64	≤9.59	PASS
	Ant2	5290	-2.83	≤9.59	PASS
	total	5290	0.82	≤9.59	PASS
	Ant1	5530	-3.11	≤9.59	PASS
	Ant2	5530	-3.1	≤9.59	PASS
	total	5530	-0.09	≤9.59	PASS
	Ant1	5610	-3.15	≤9.59	PASS
	Ant2	5610	-3.85	≤9.59	PASS
	total	5610	-0.48	≤9.59	PASS
	Ant1	5775	-4.47	≤28.59	PASS
	Ant2	5775	-5.41	≤28.59	PASS
	total	5775	-1.90	≤28.59	PASS

Note: The Duty Cycle Factor is compensated in the test system

For MIMO mode

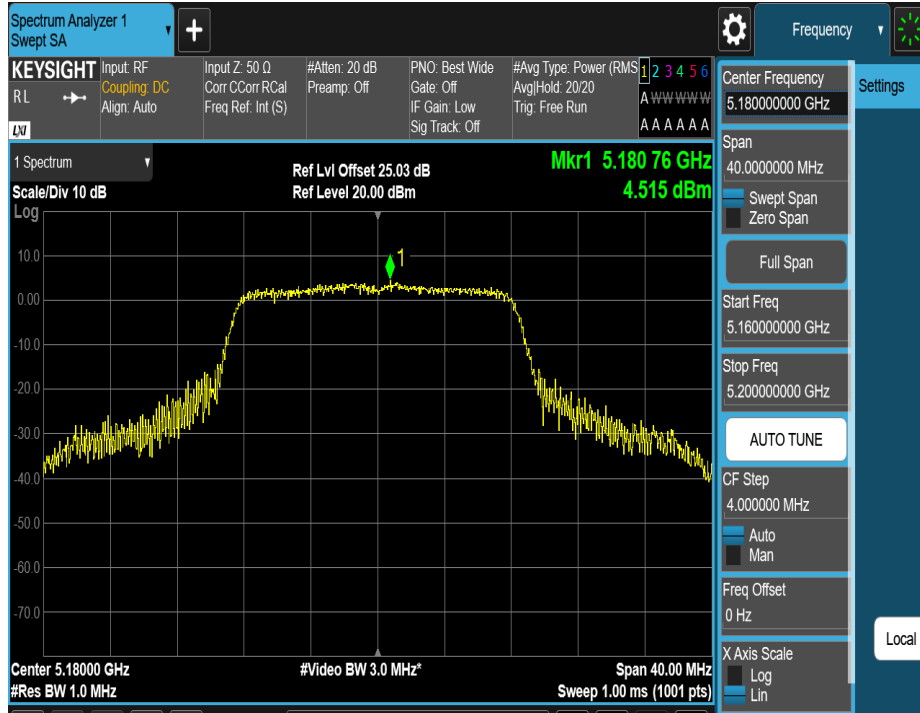
Unequal antenna gains, with equal transmit powers. For antenna gains given by $G_1, G_2, \dots, G_N$ dBi

If transmit signals are correlated, then Directional gain = $10 \log[(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N_{ANT}]$ dBi

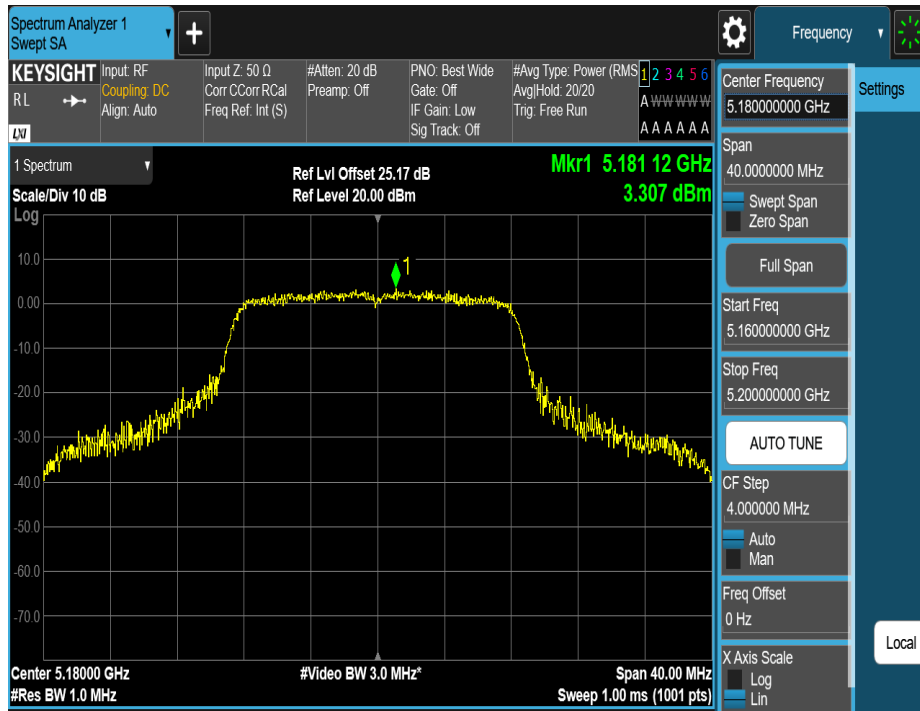
[Note the "20"s in the denominator of each exponent and the square of the sum of terms; the object is to combine the signal levels coherently.]

Directional gain = $10 \log[(10^{4.2/20} + 10^{4.6/20})^2 / N_{ANT}]$ dBi=7.41 dBi

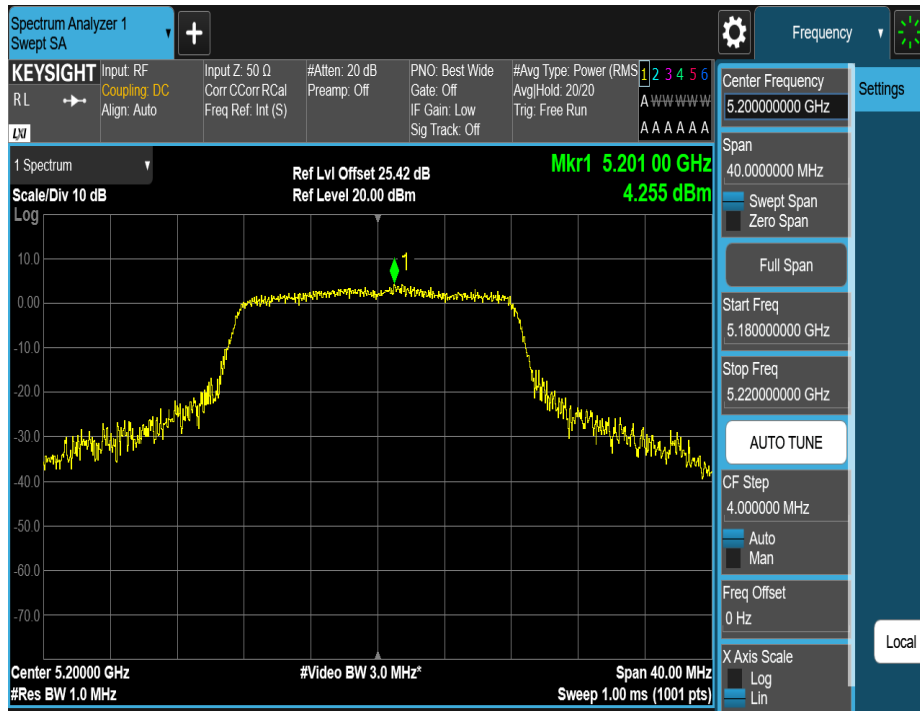
11A_Ant1_5180



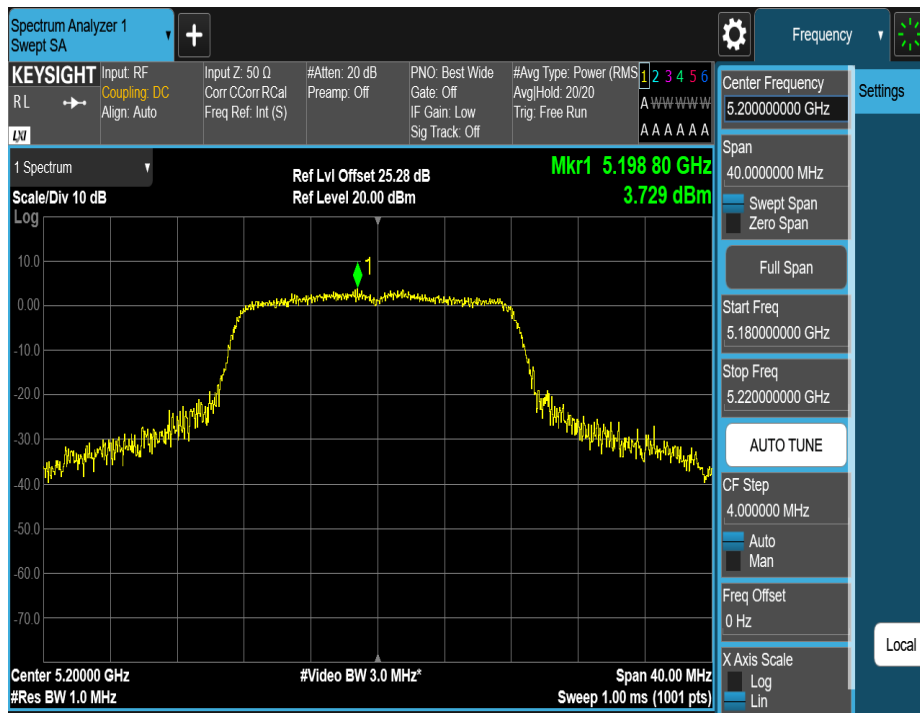
11A_Ant2_5180



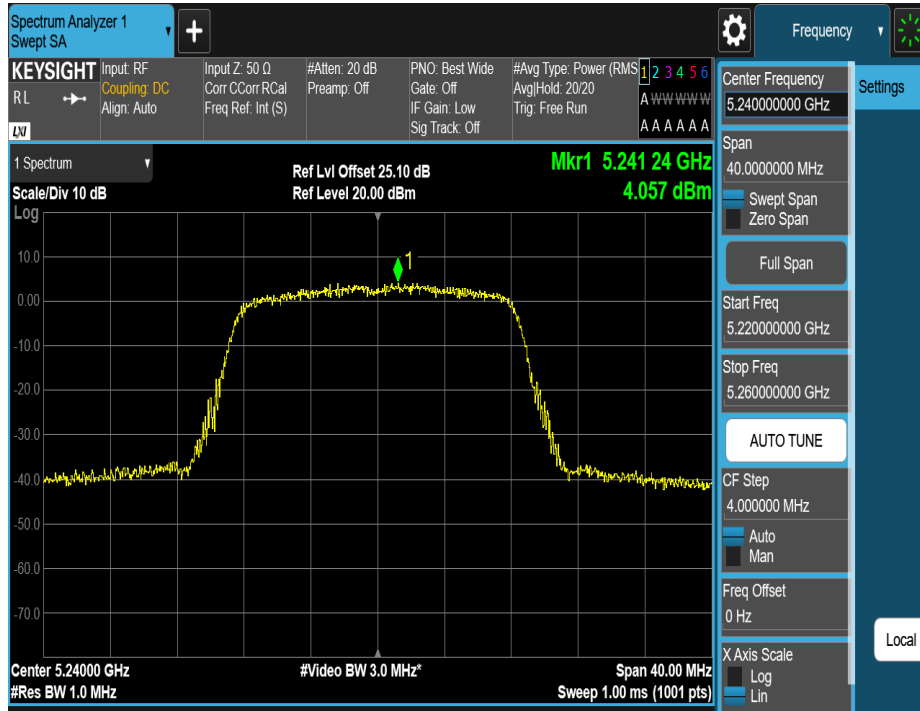
11A_Ant1_5200



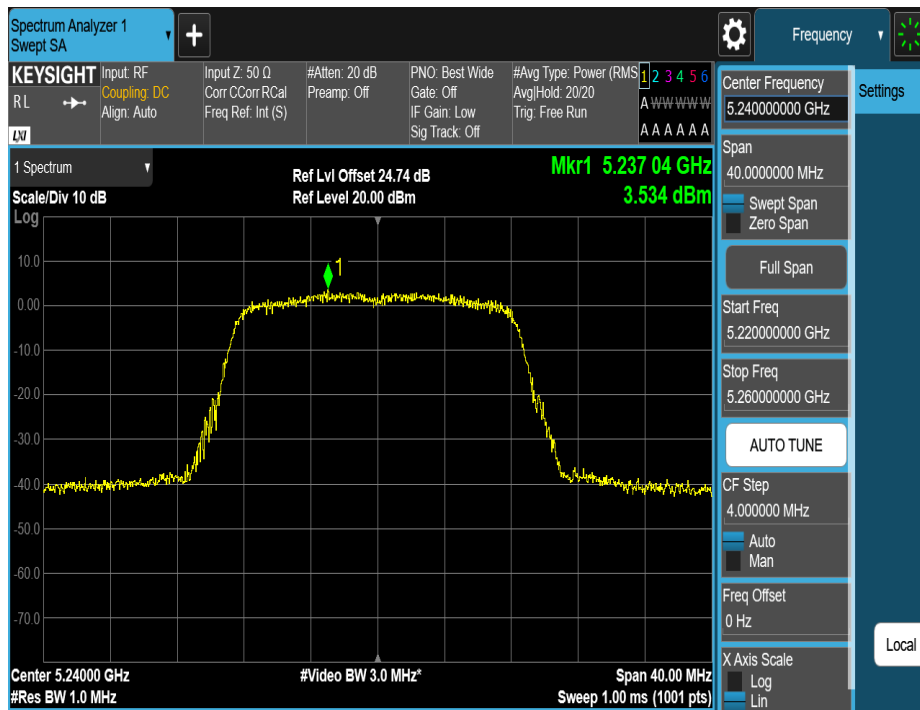
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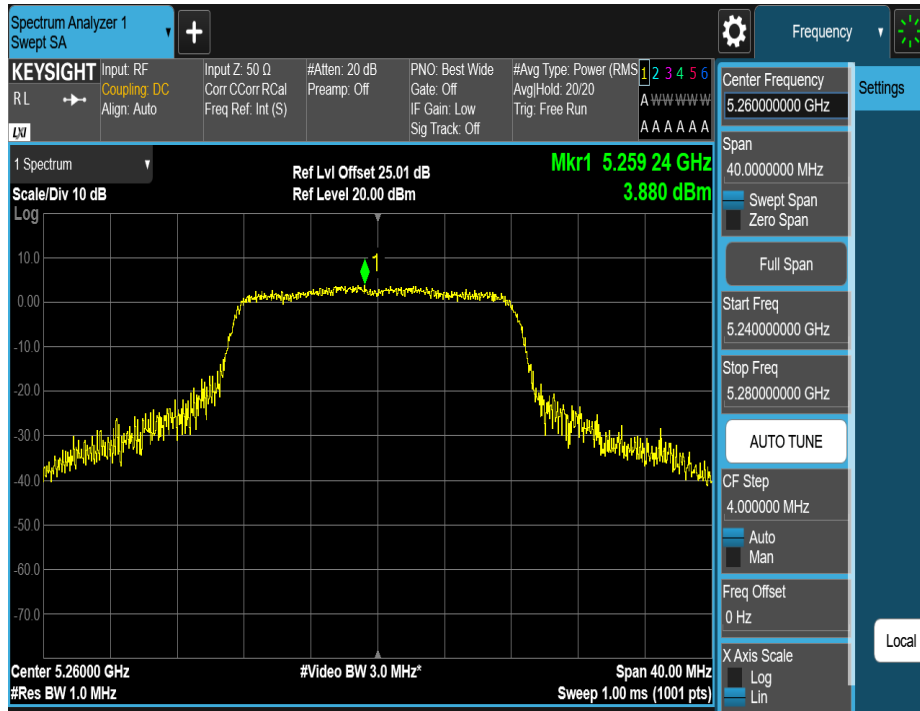
11A_Ant1_5240



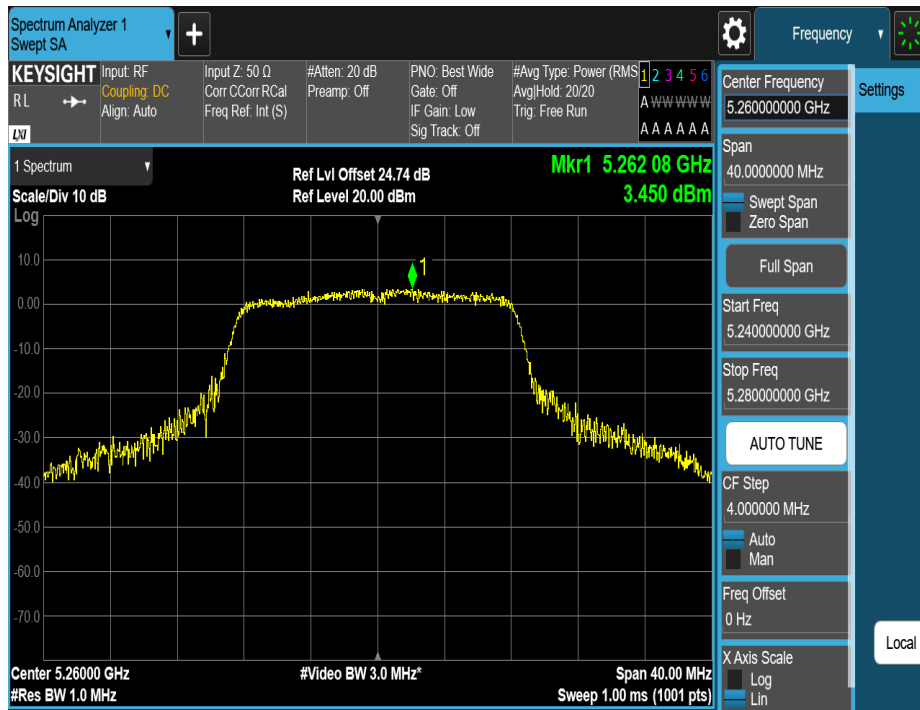
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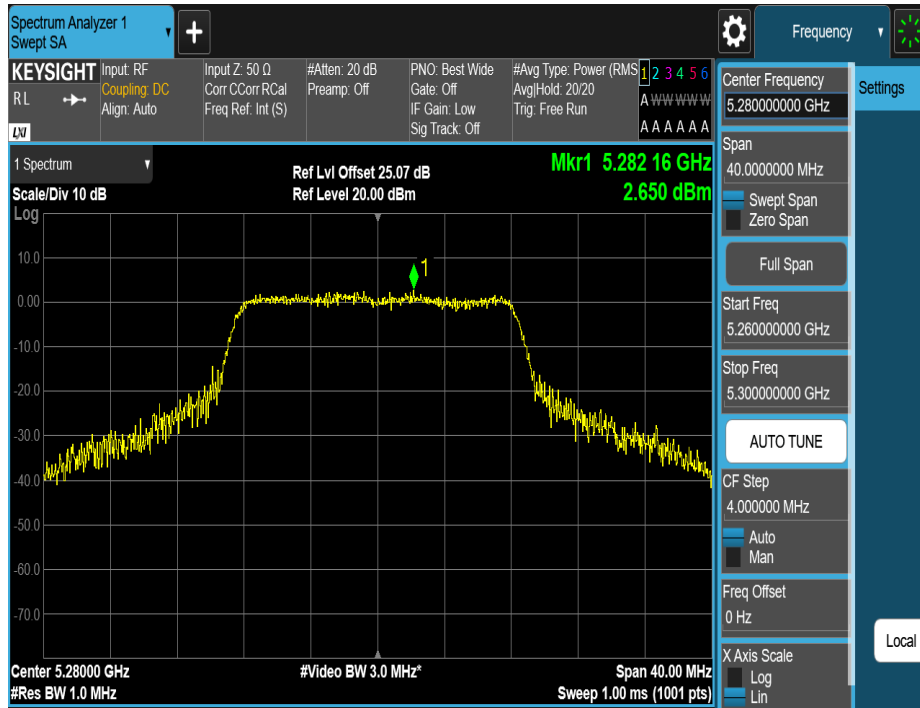
11A_Ant1_5260



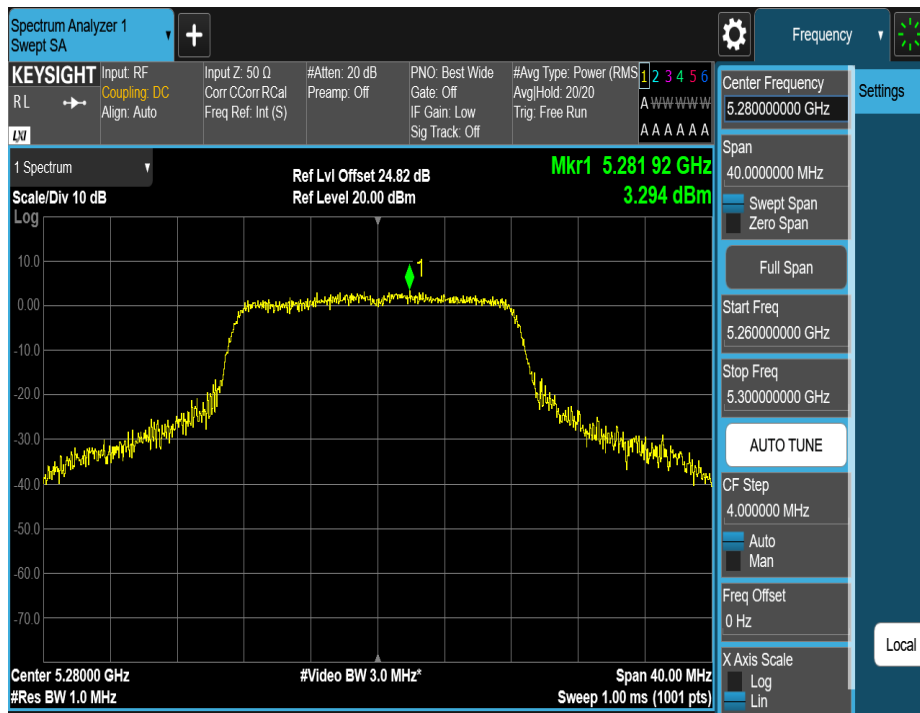
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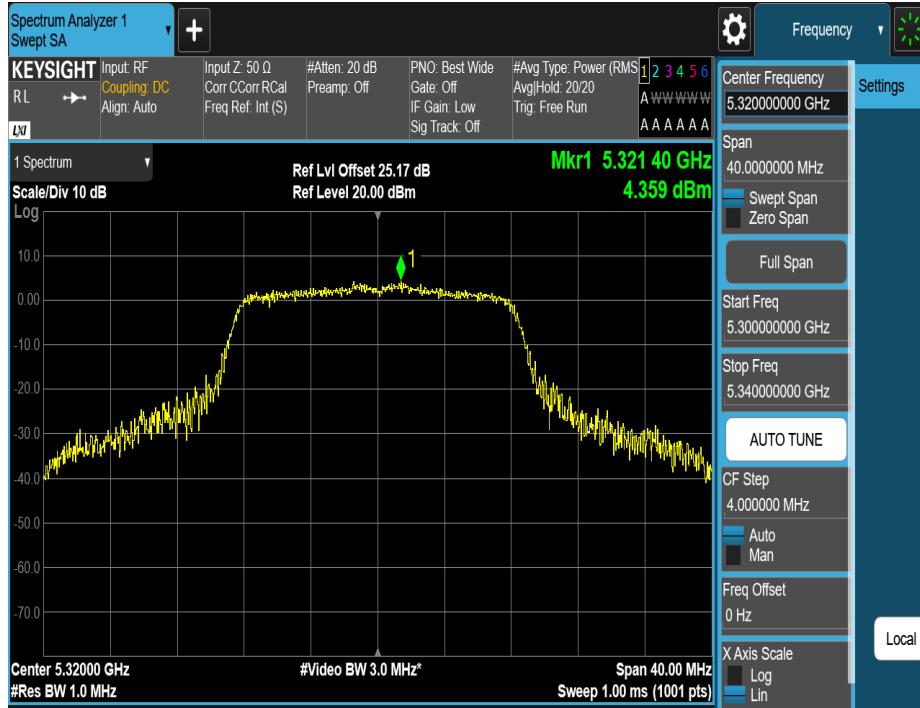
11A_Ant1_5280



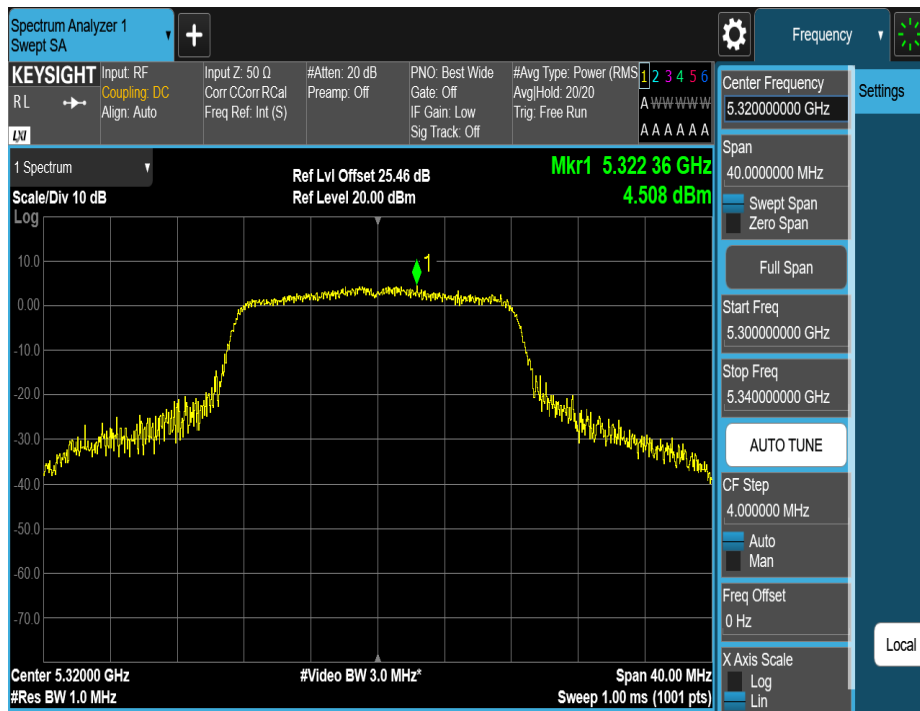
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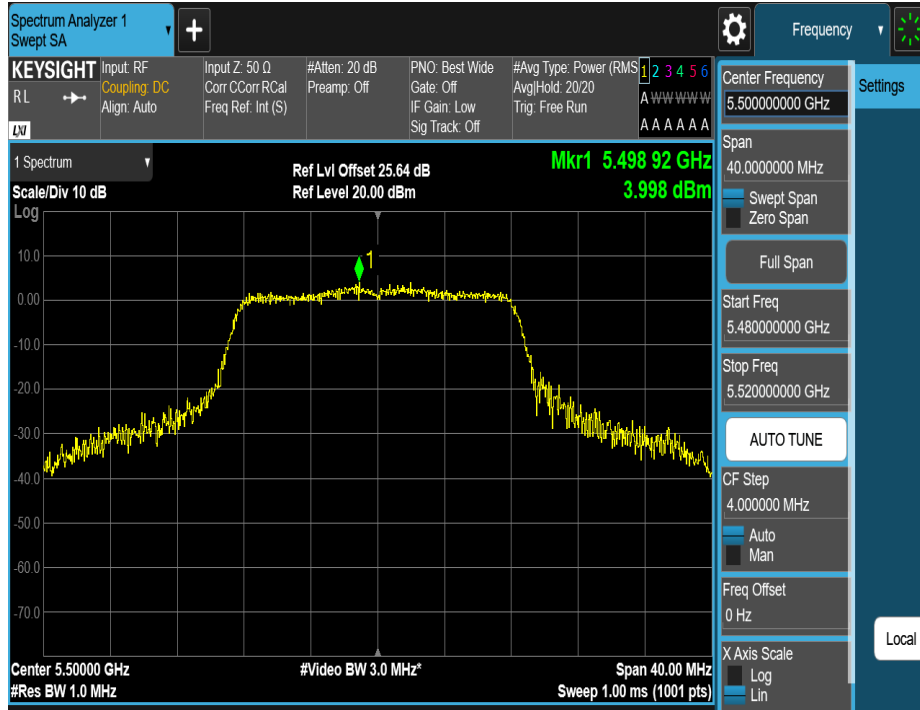
11A_Ant1_5320



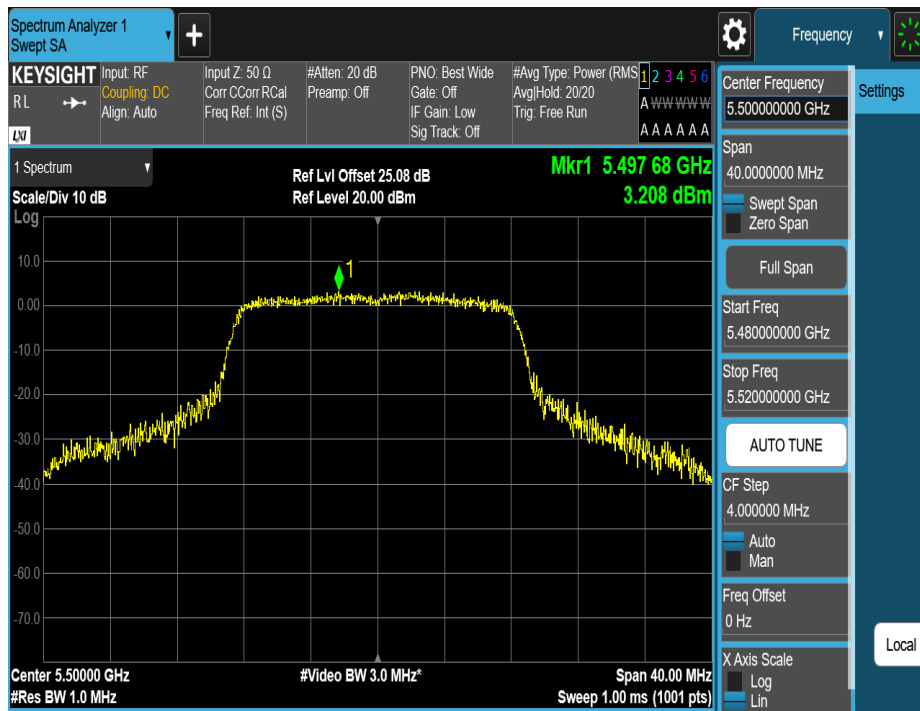
11A_Ant2_5320



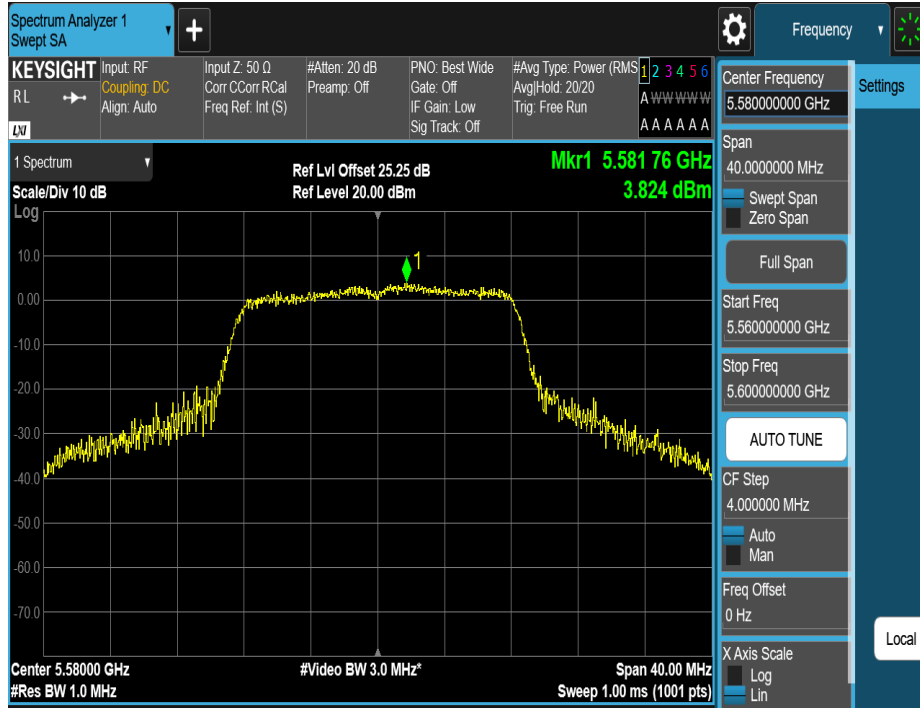
11A_Ant1_5500



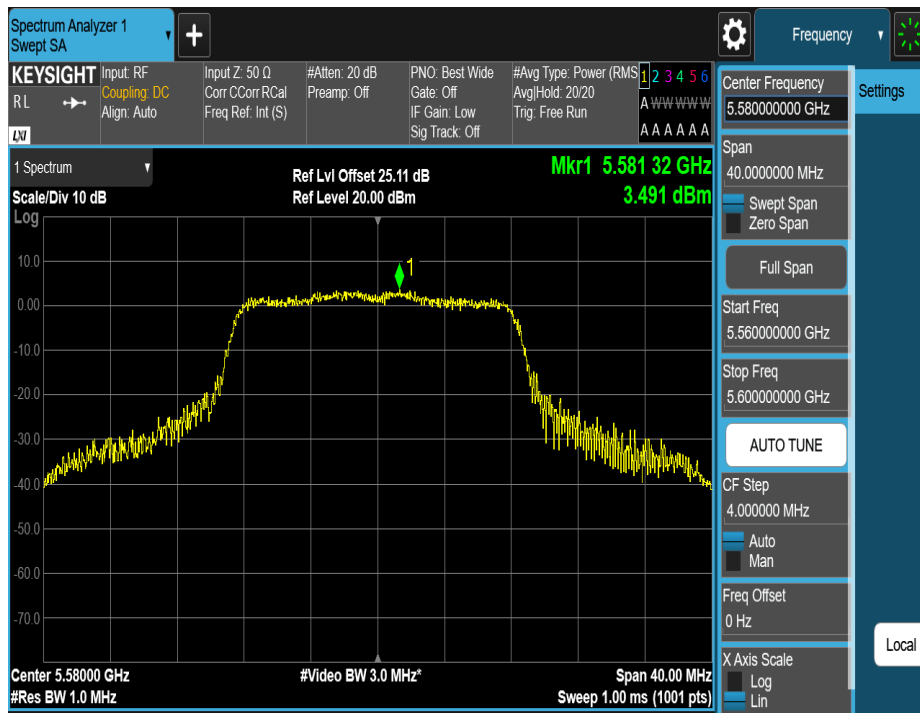
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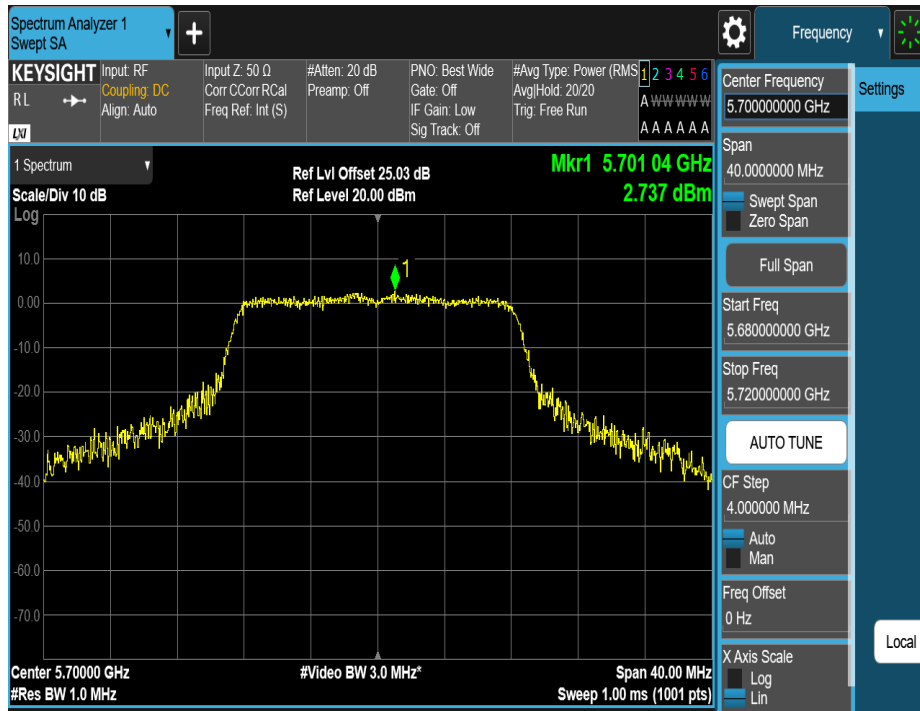
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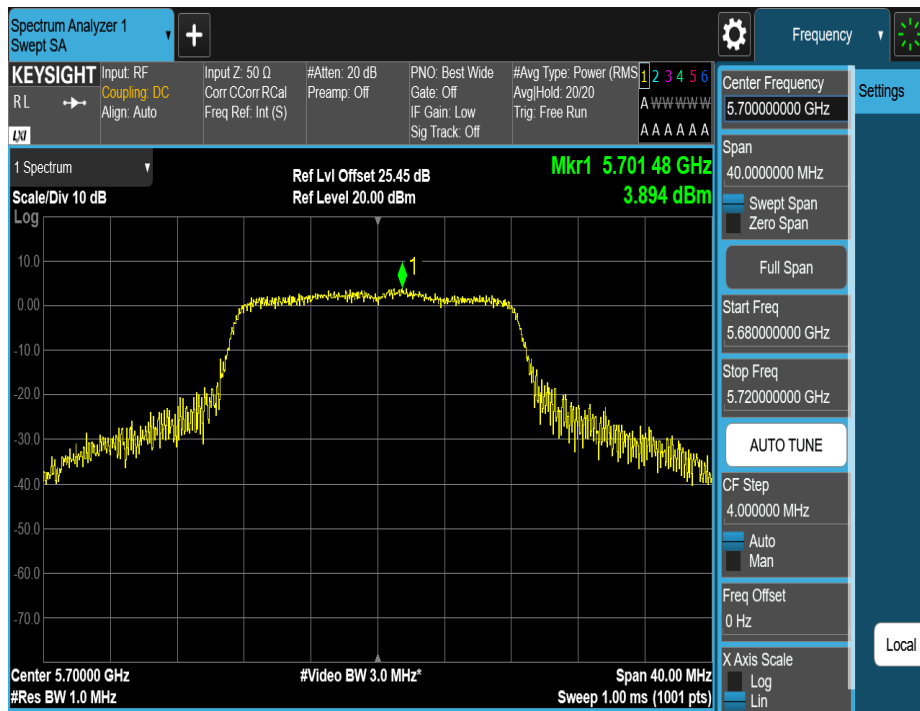
11A_Ant2_5580



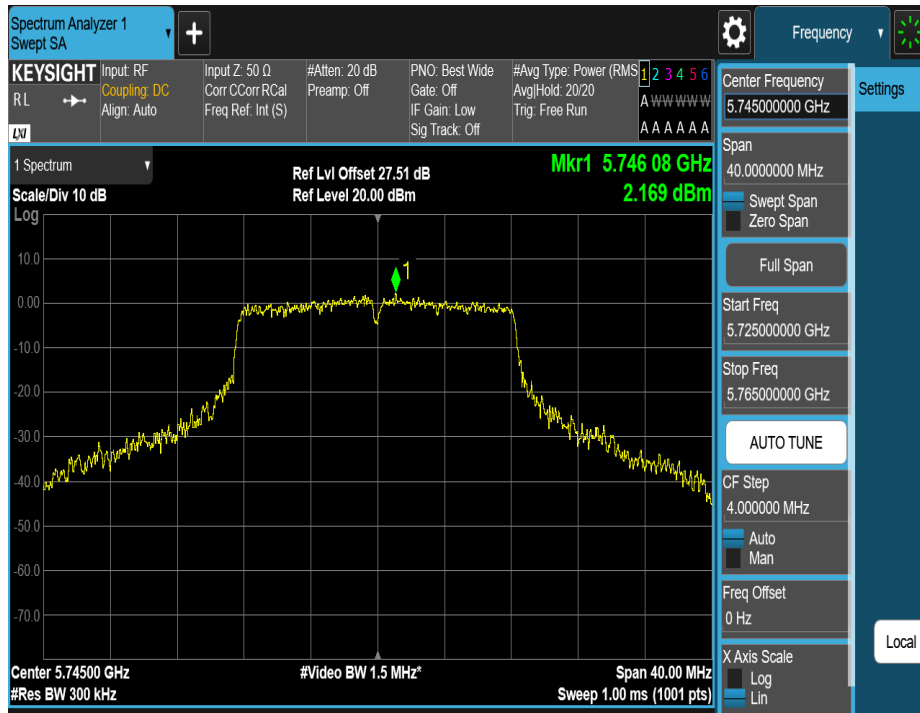
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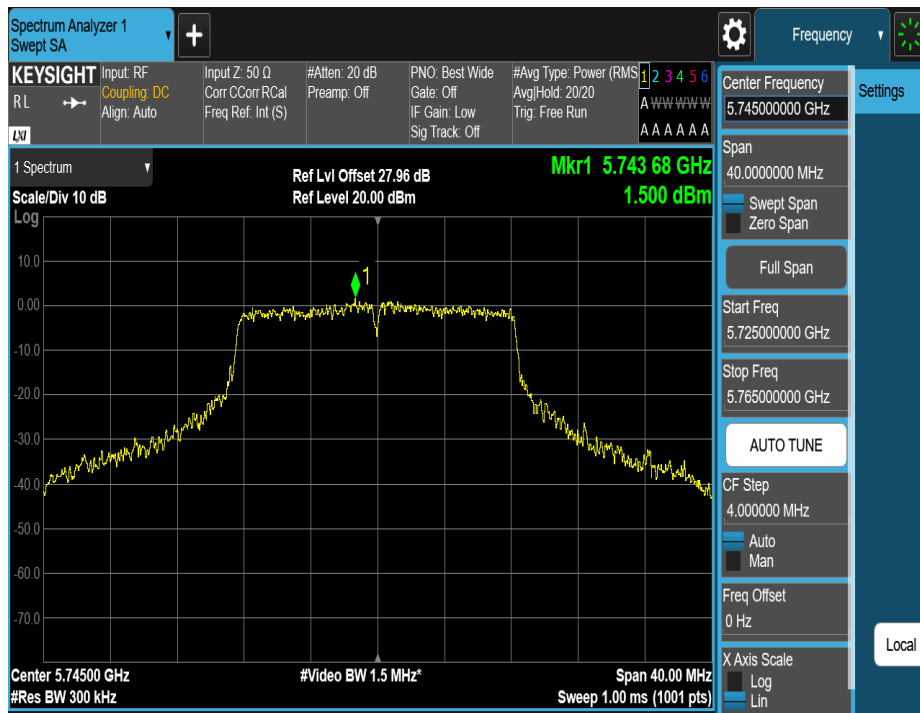
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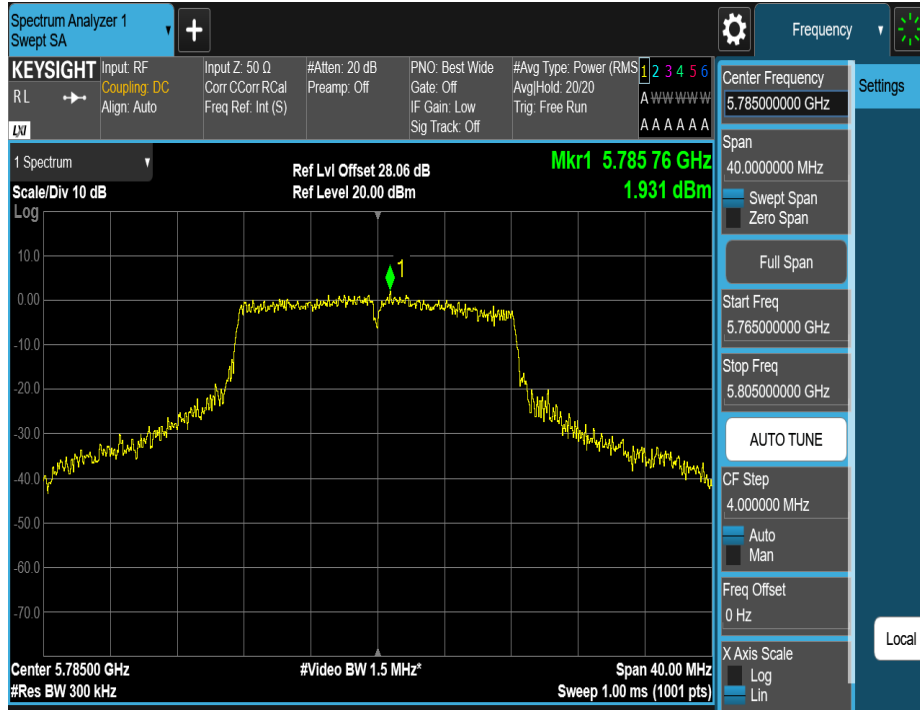
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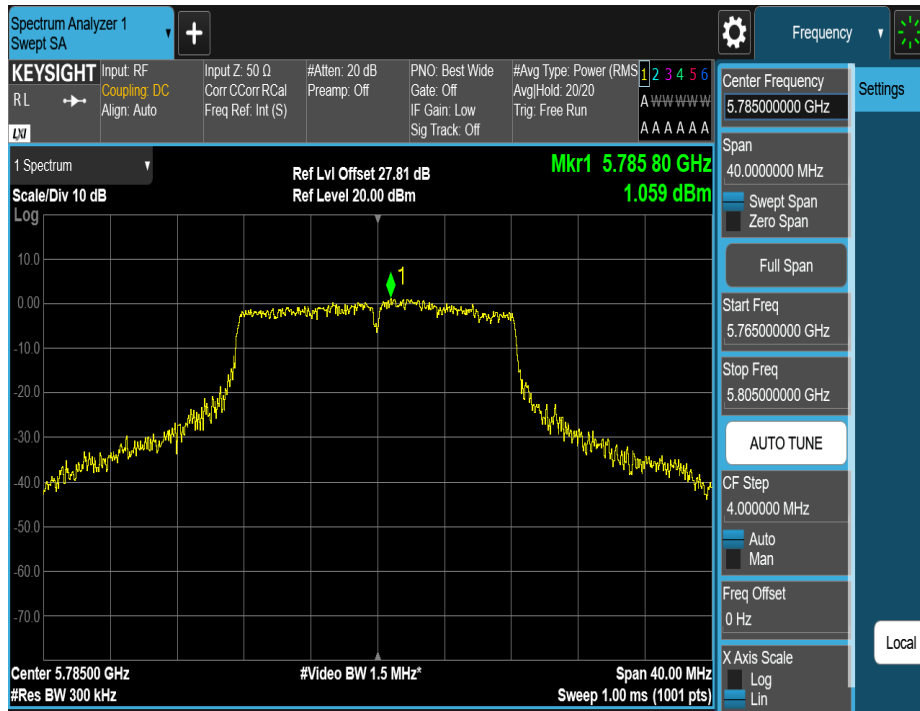
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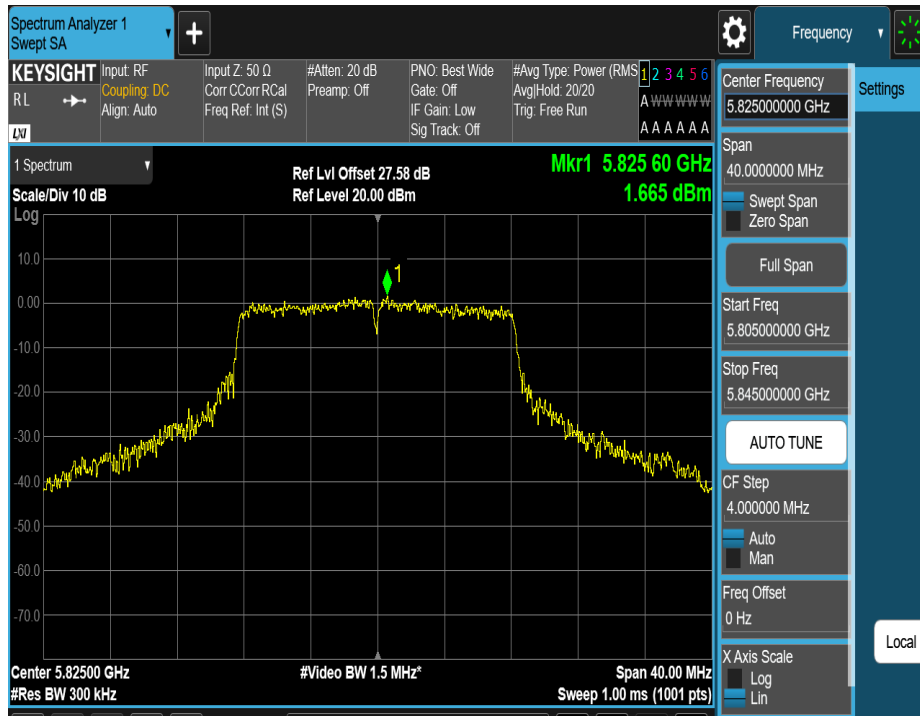
11A_Ant1_5785



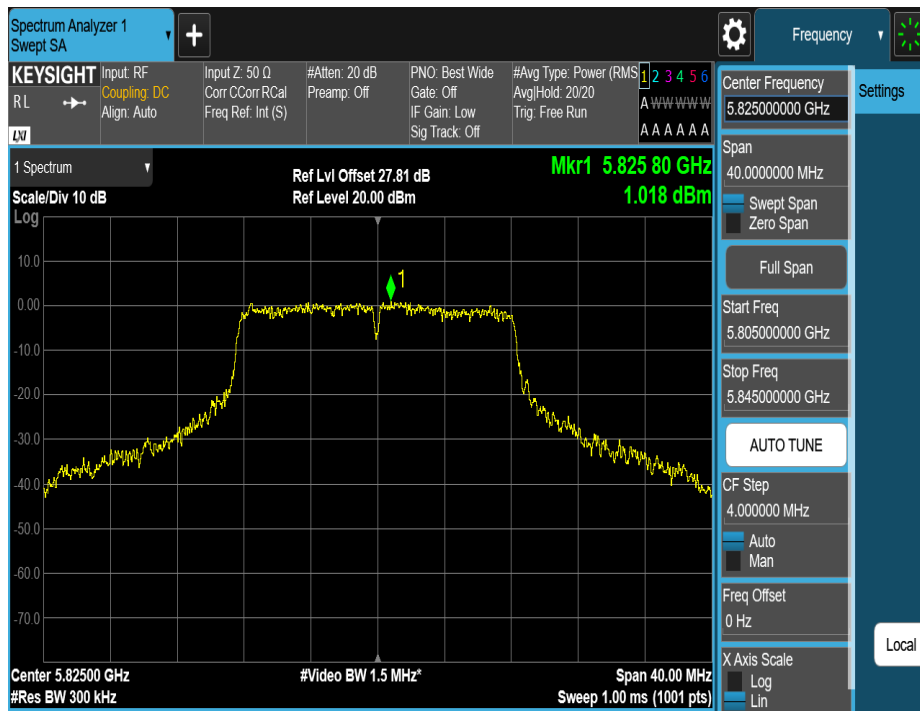
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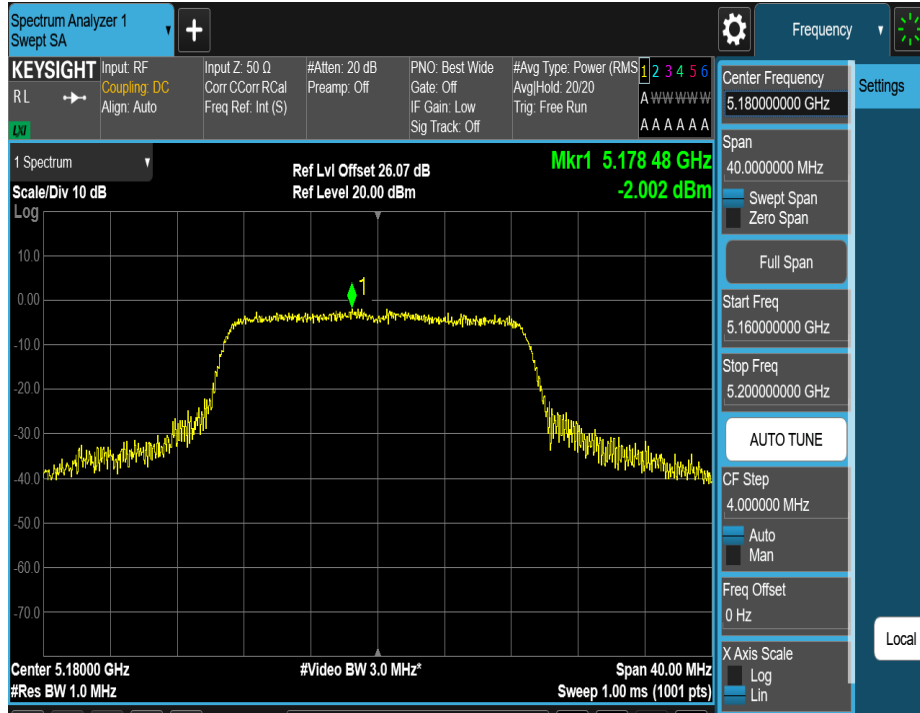
11A_Ant1_5825



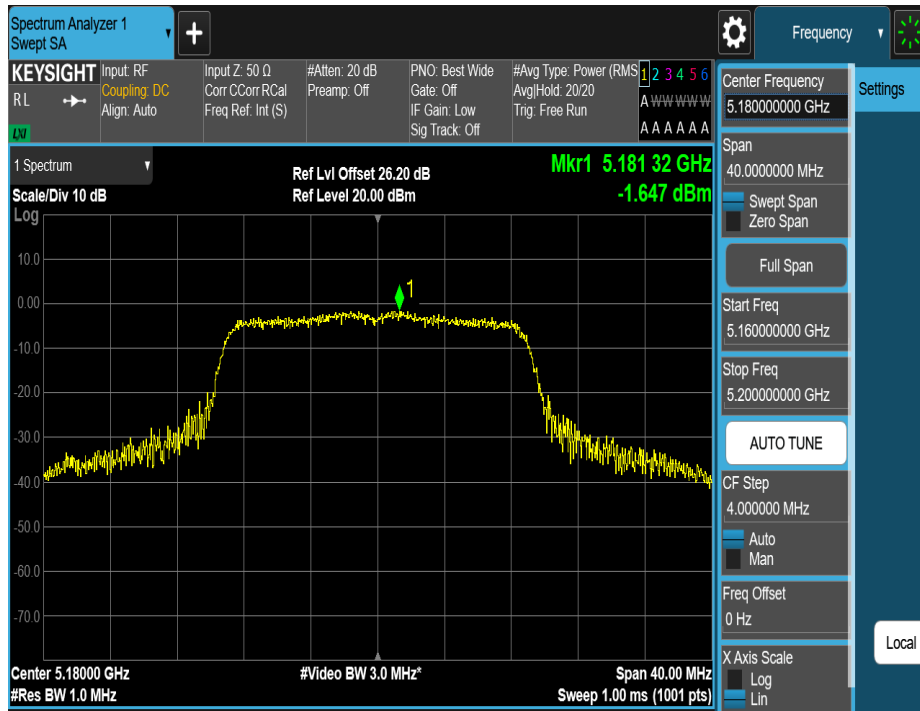
11A_Ant2_5825



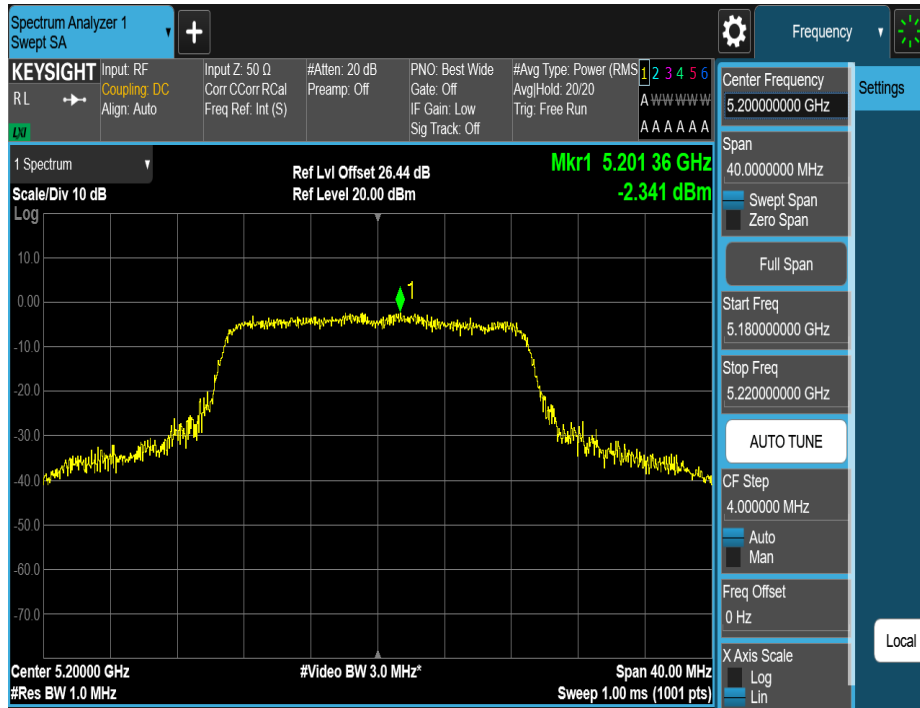
11N20MIMO_Ant1_5180



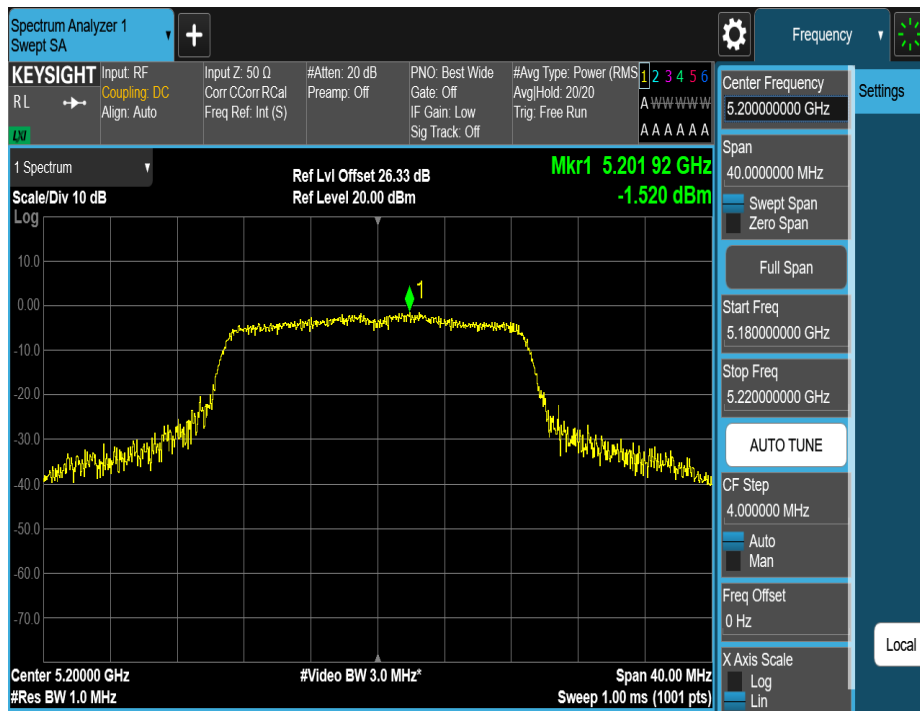
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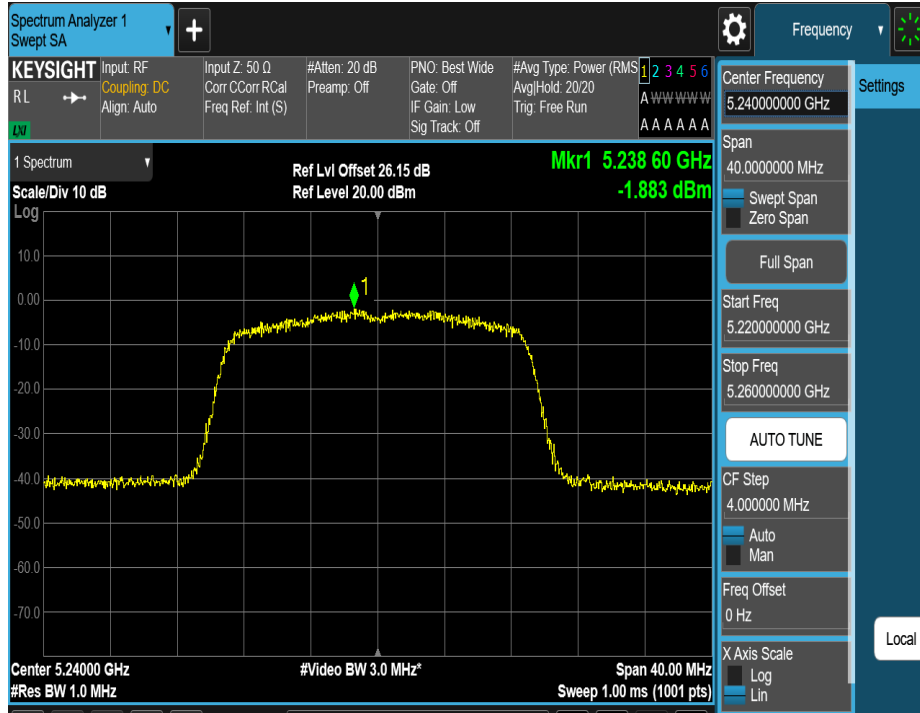
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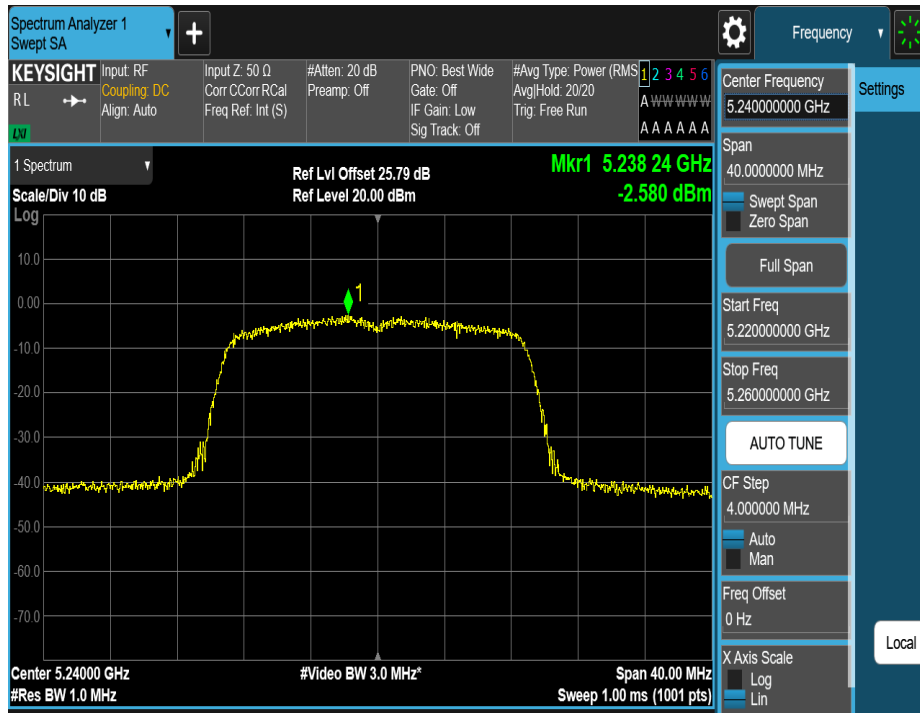
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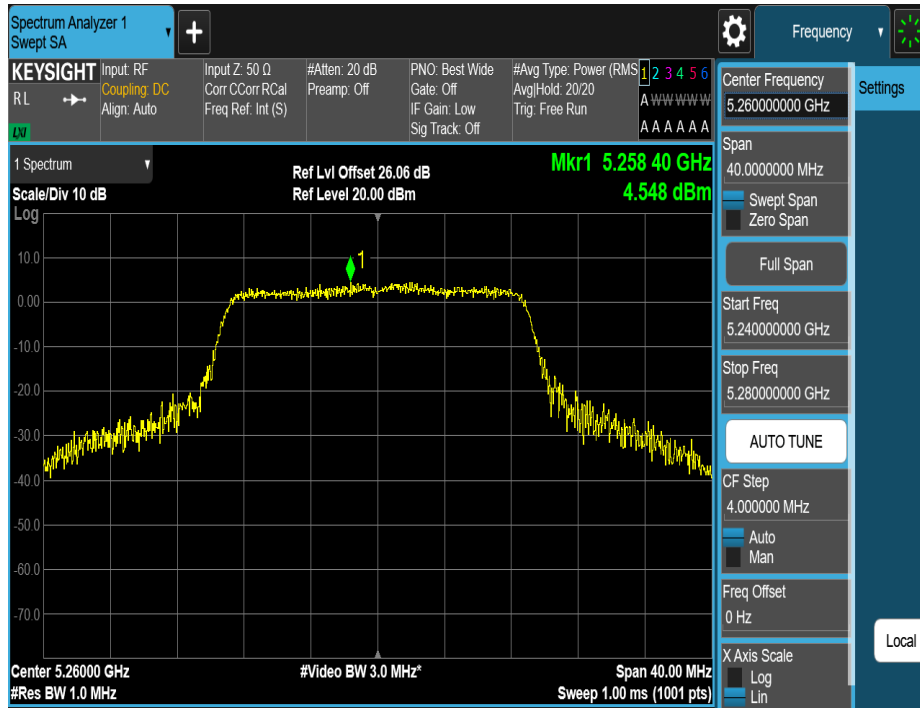
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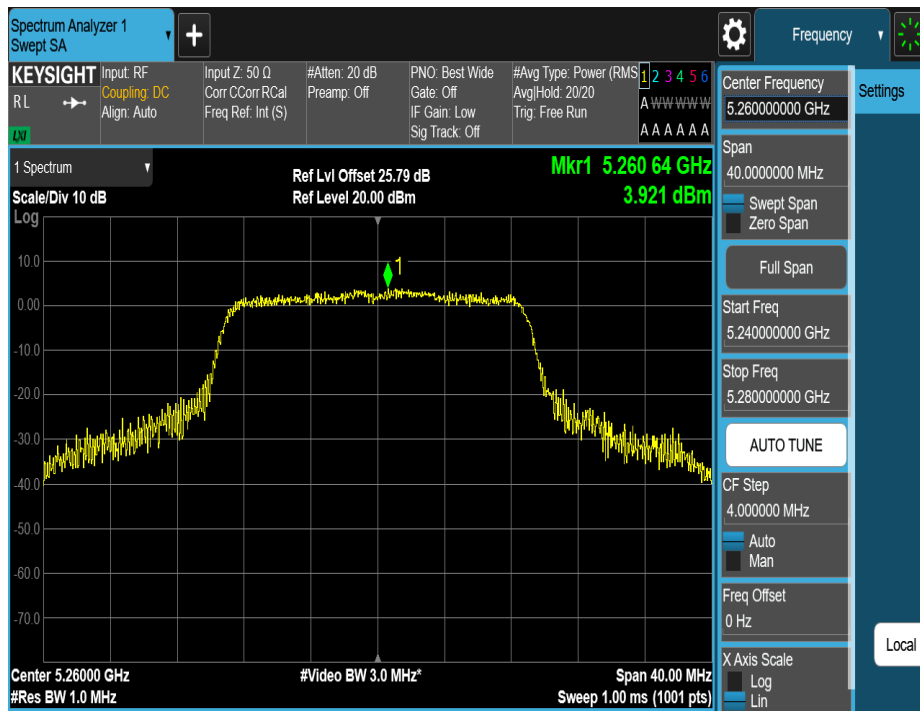
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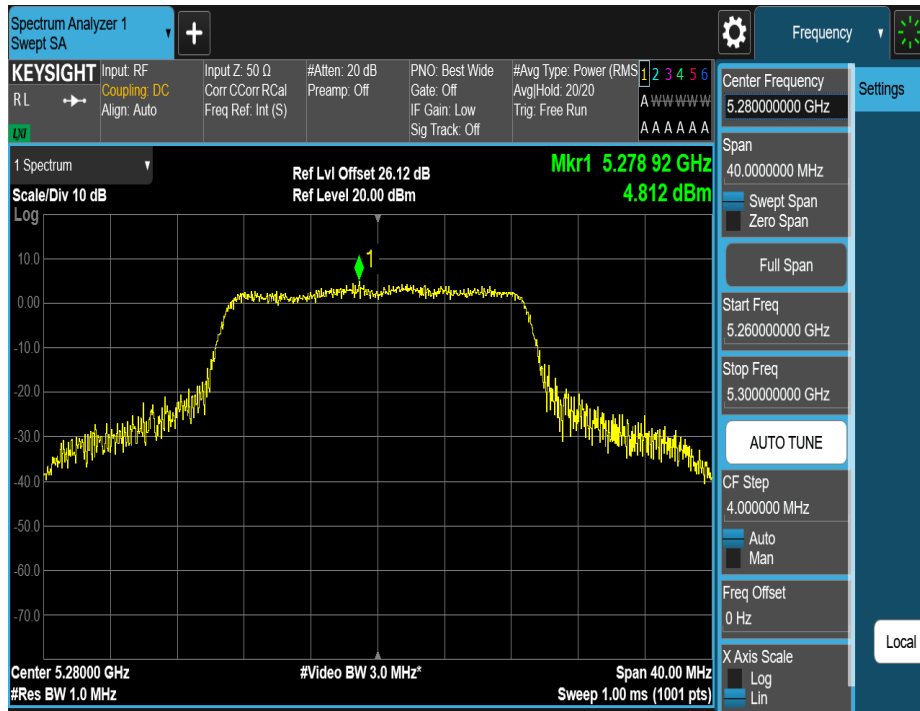
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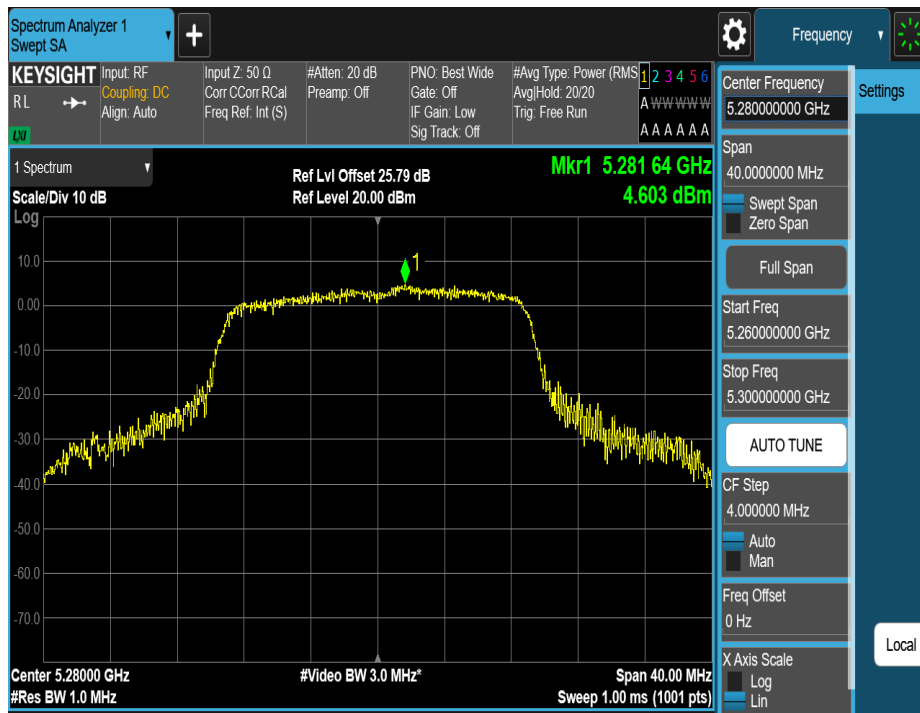
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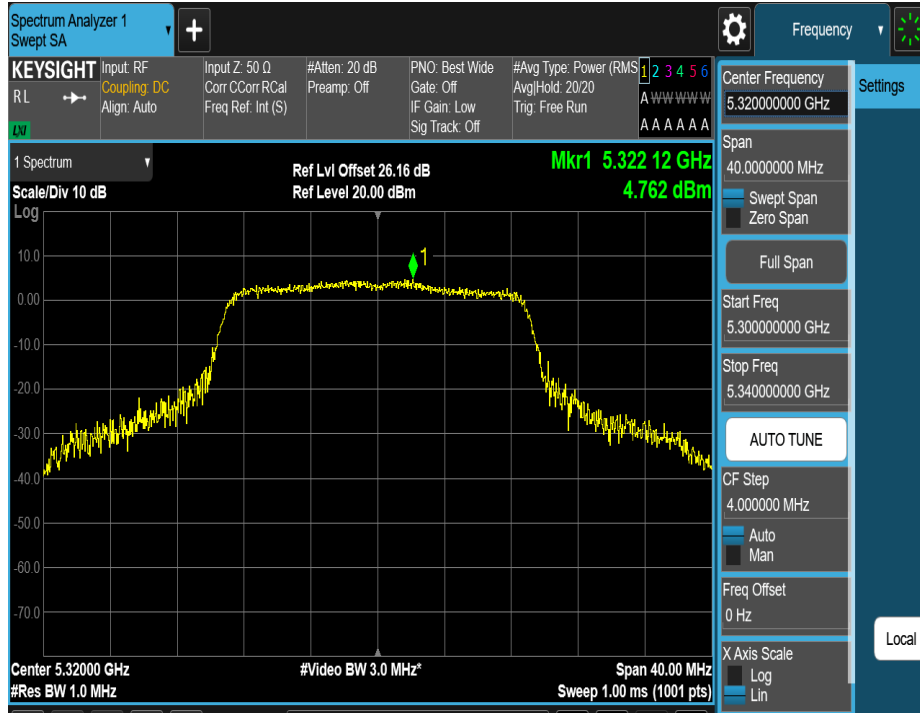
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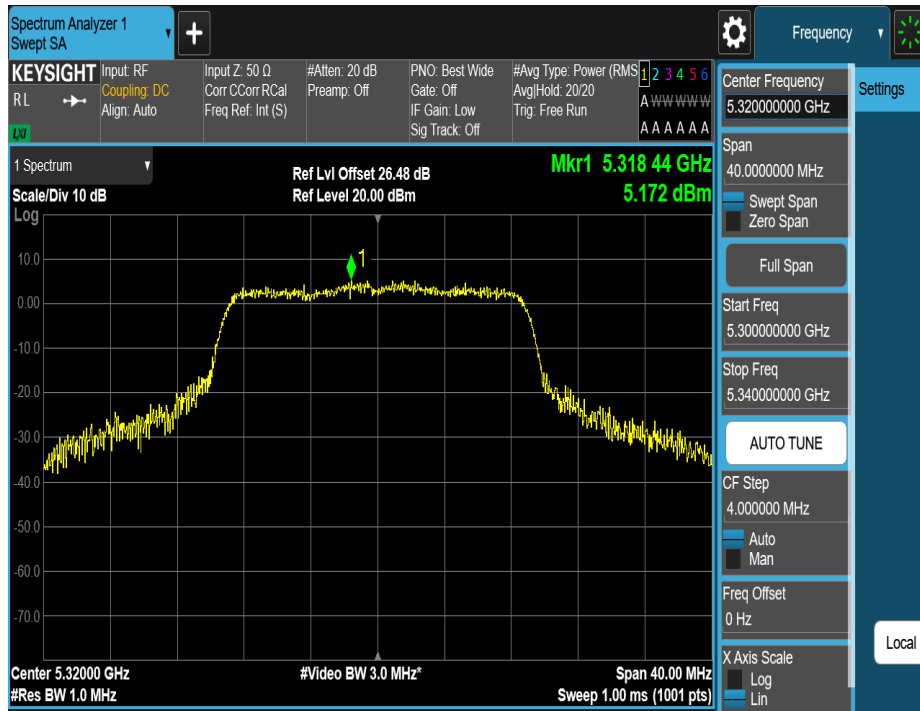
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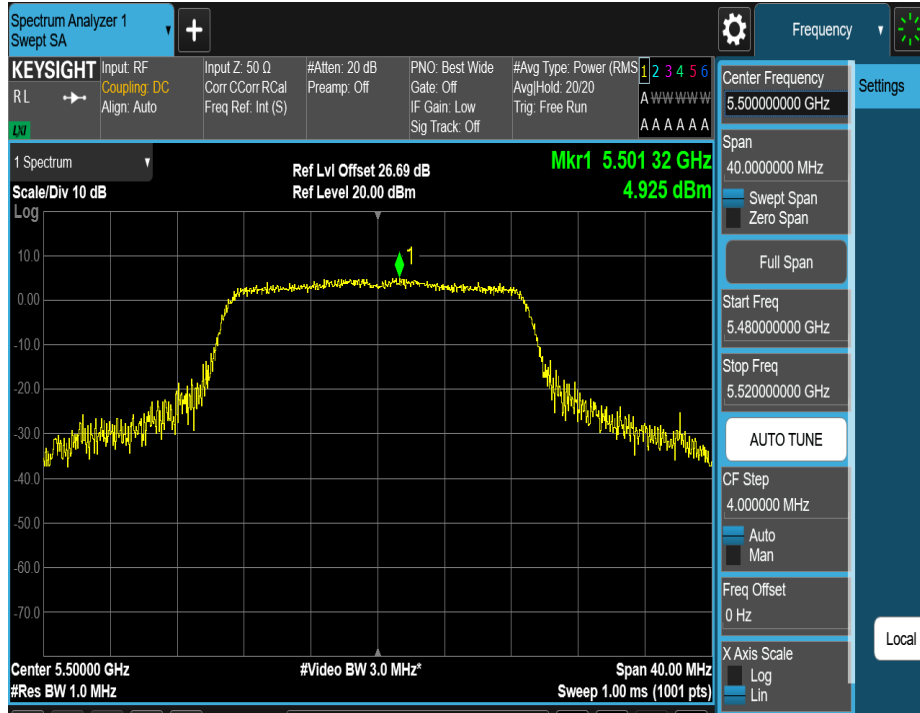
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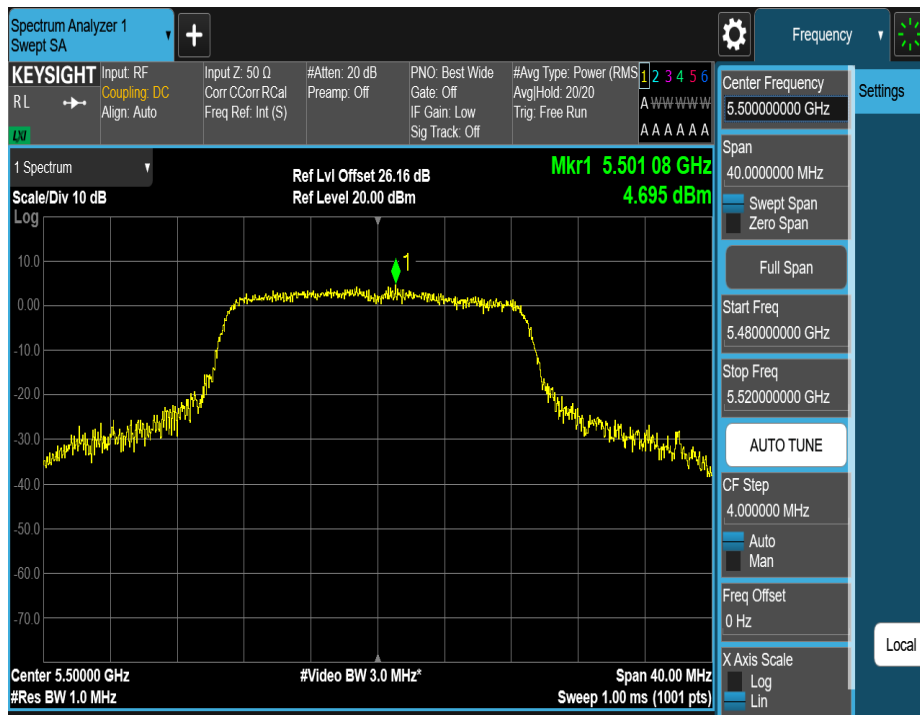
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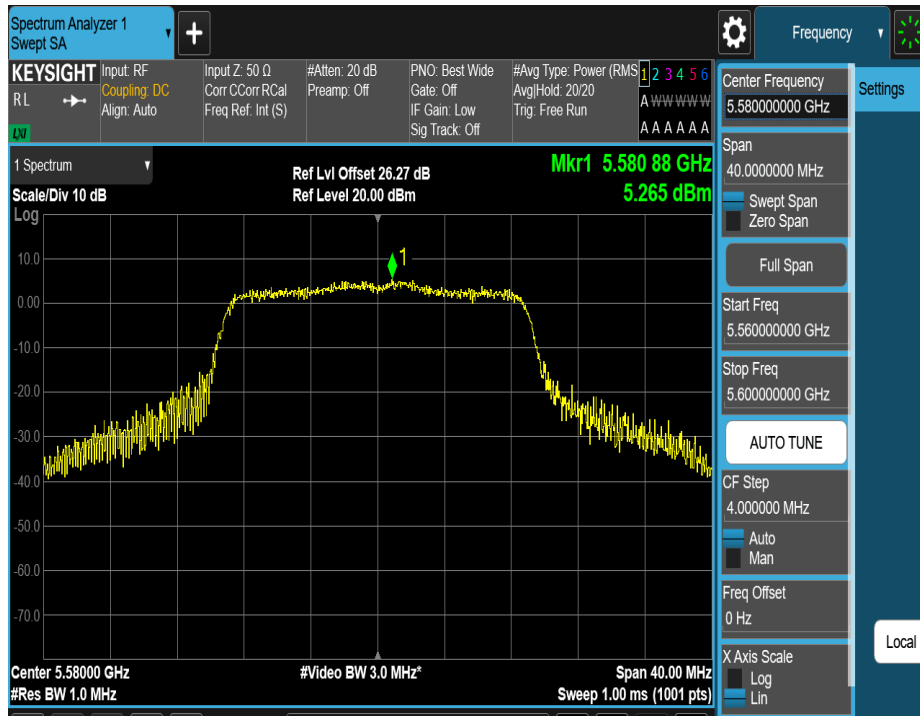
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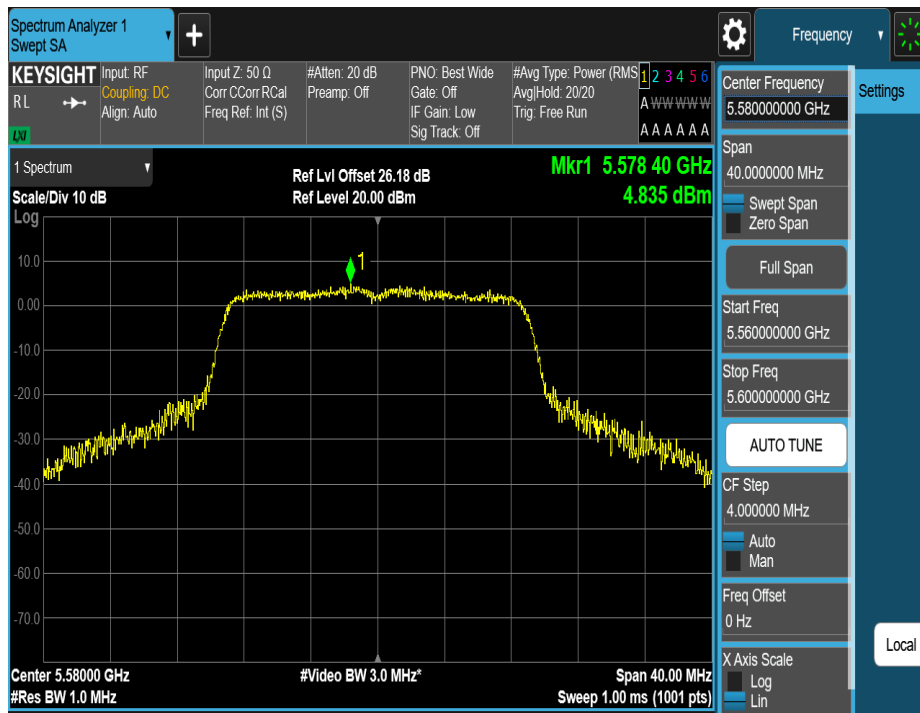
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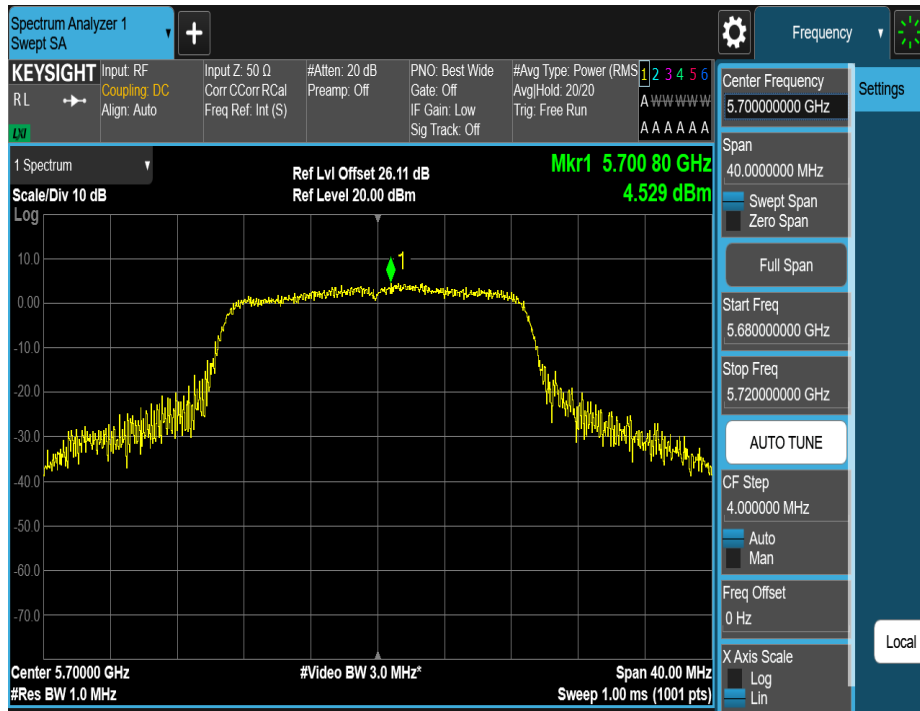
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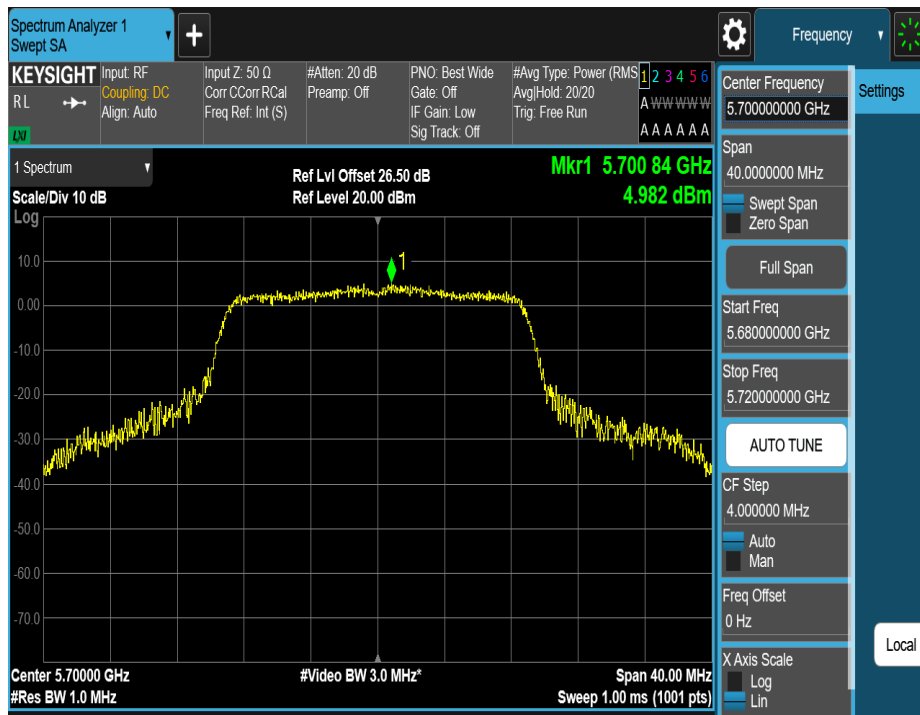
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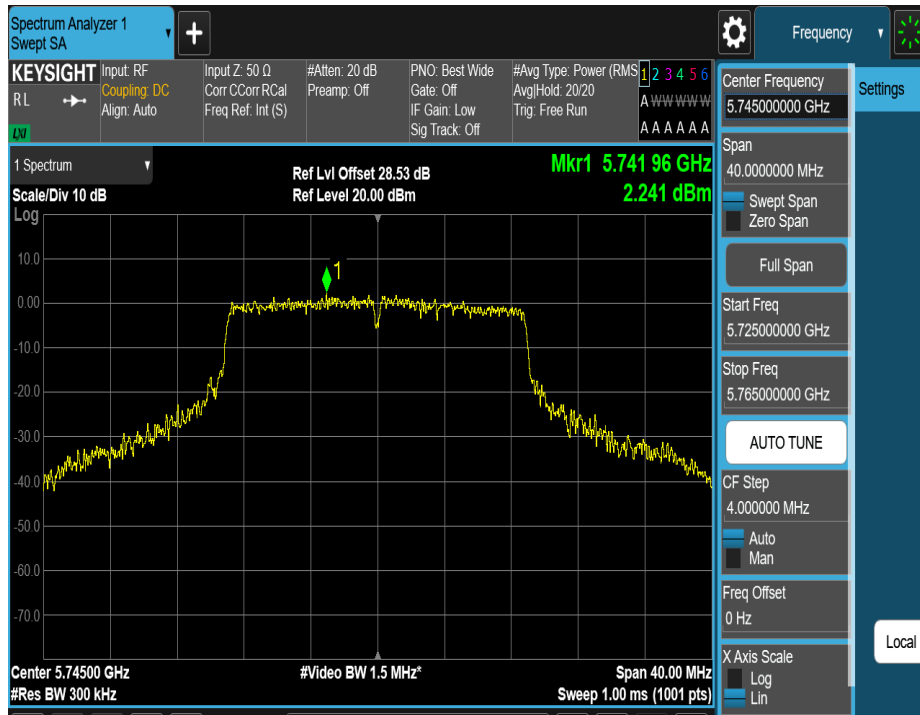
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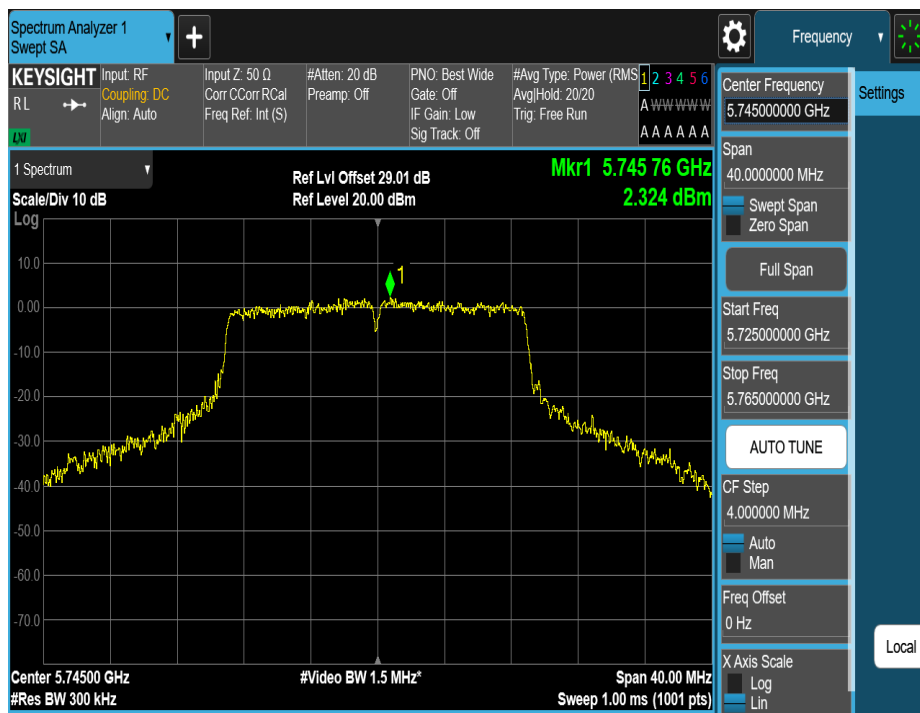
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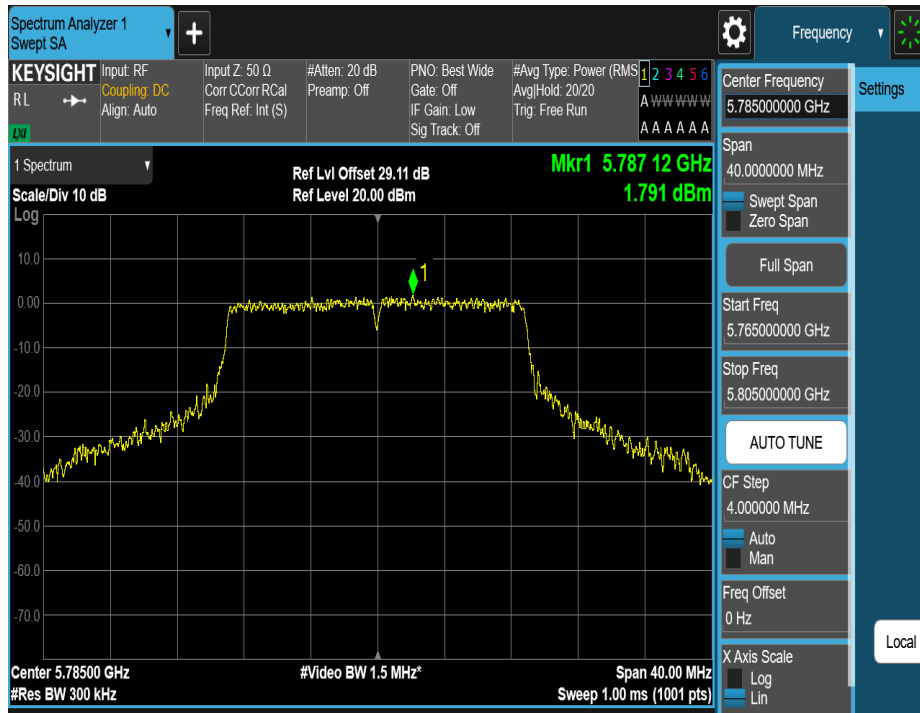
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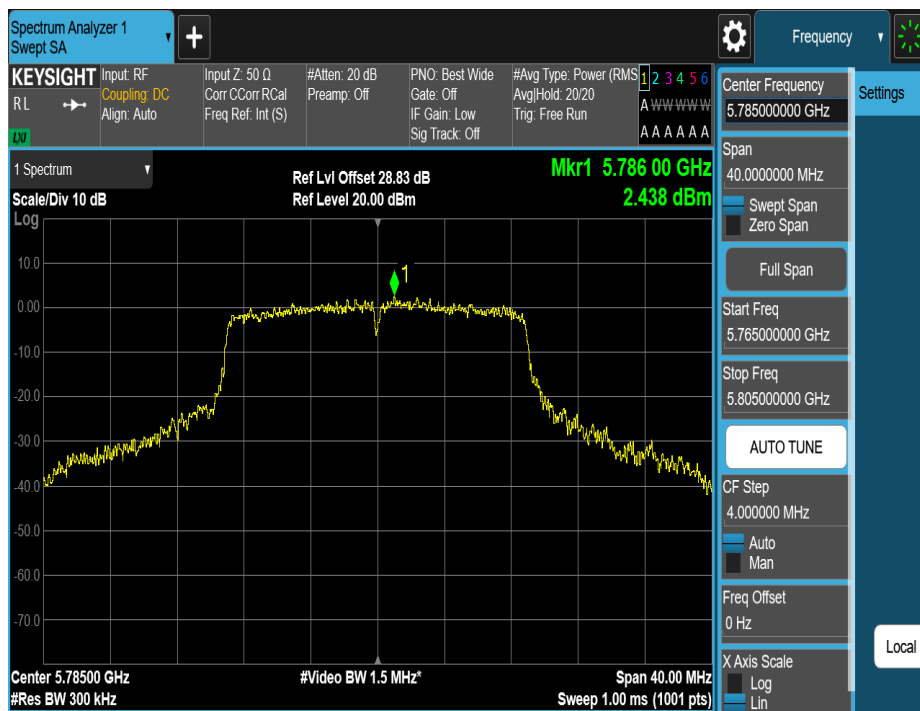
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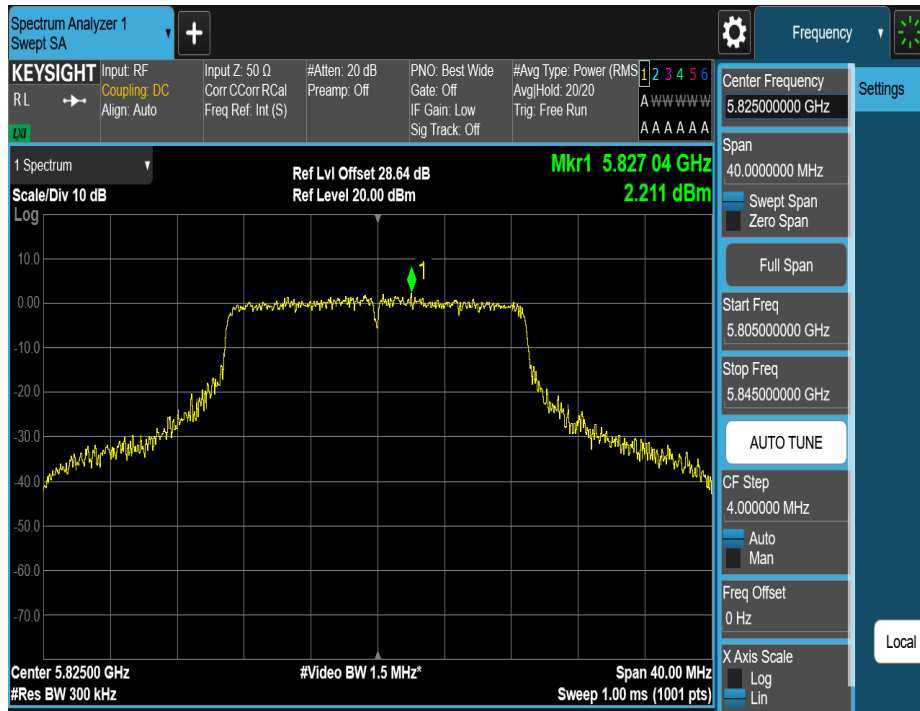
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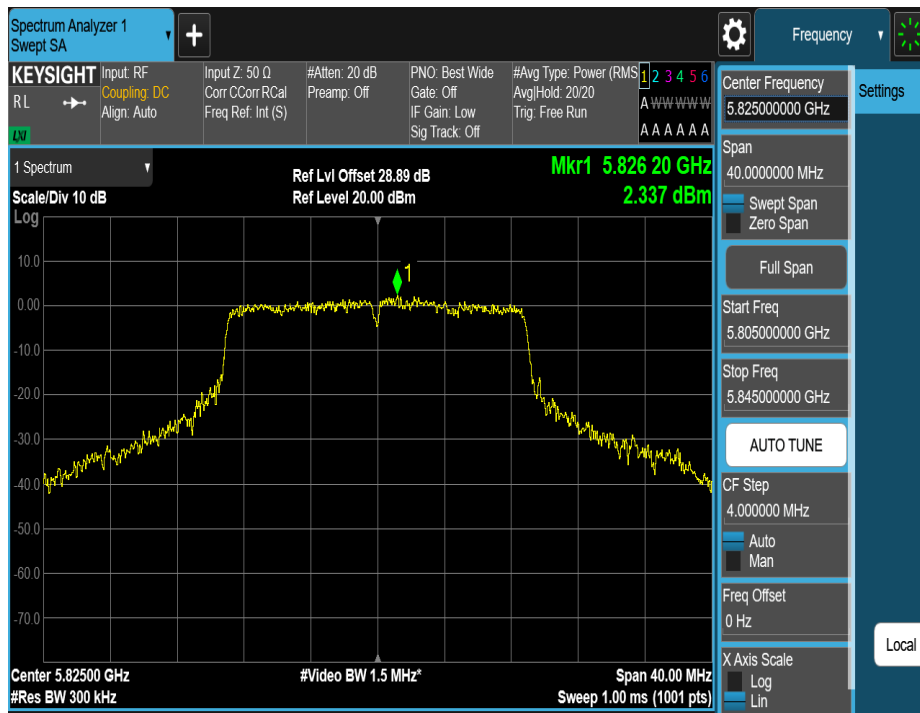
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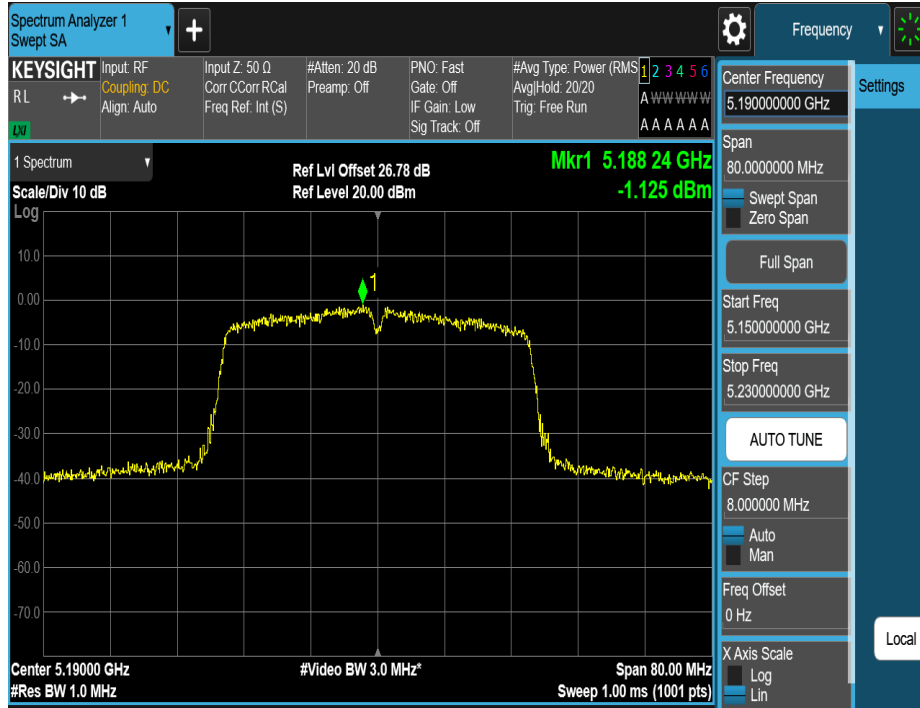
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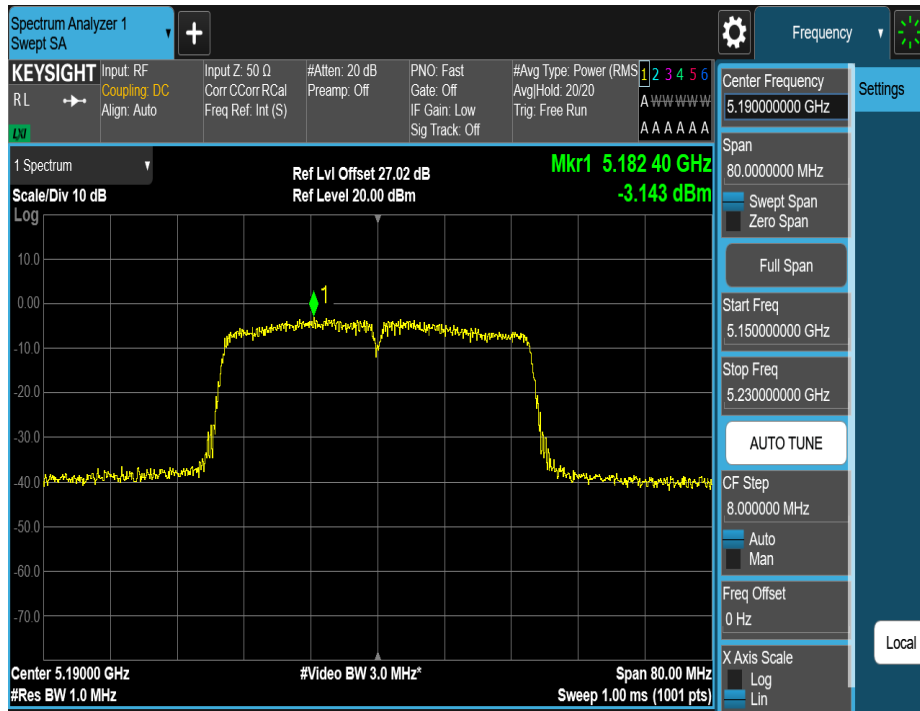
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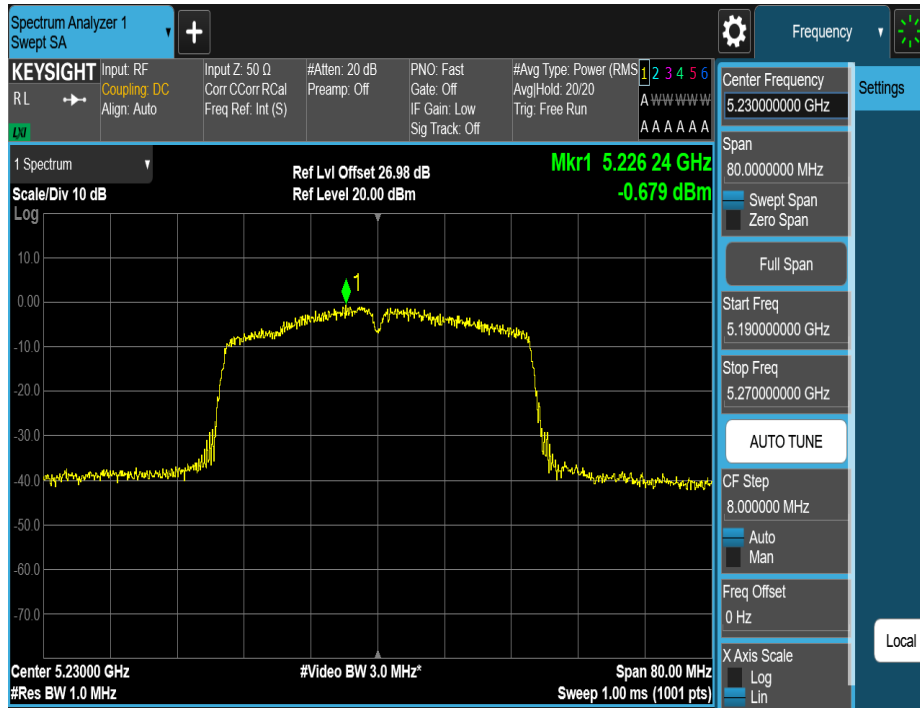
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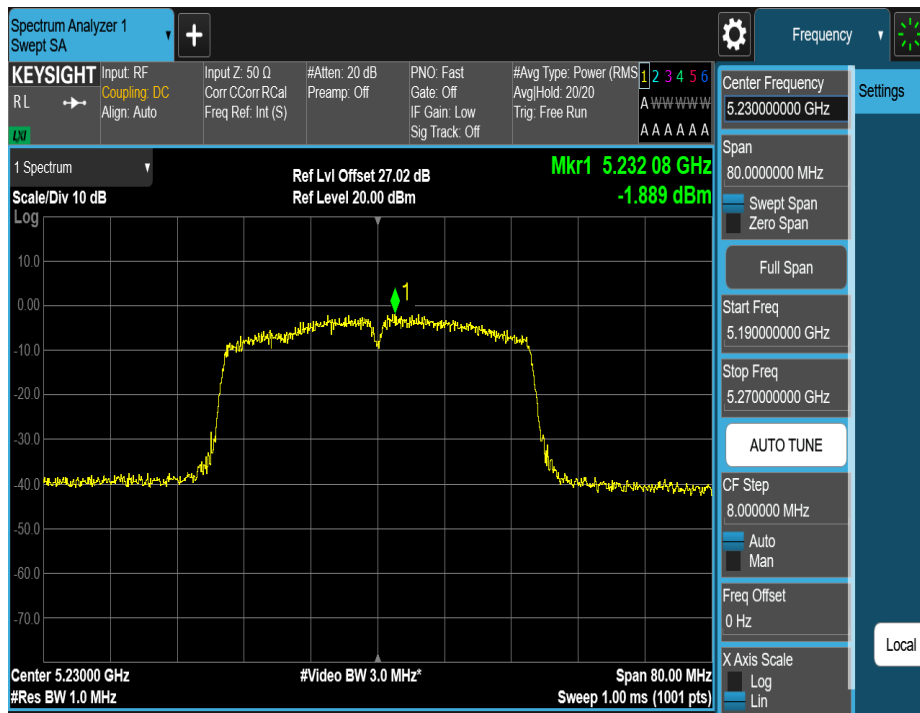
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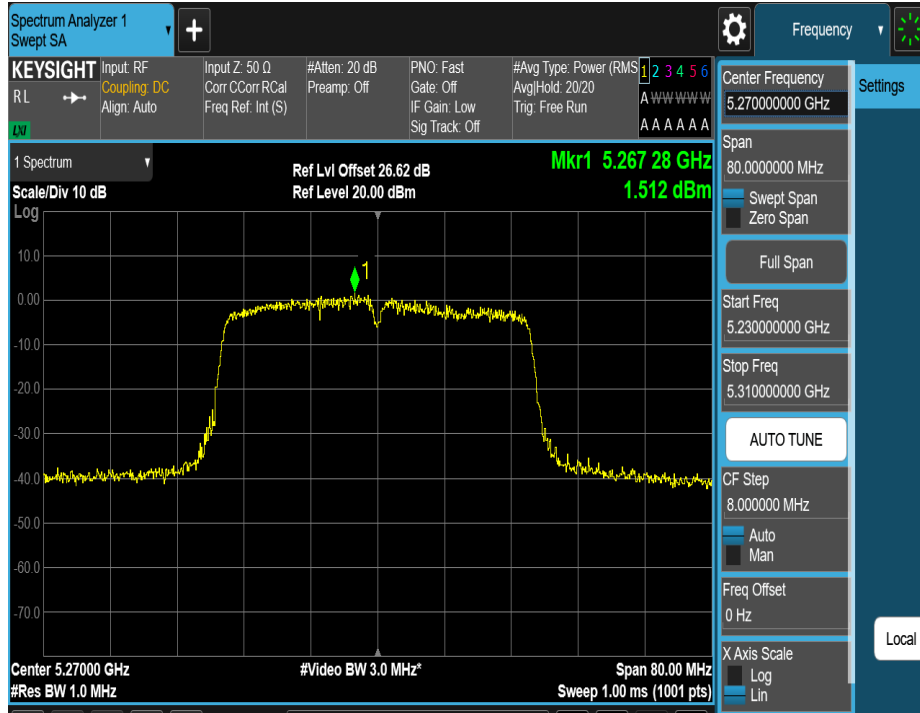
11N40MIMO_Ant1_5230



11N40MIMO_Ant2_5230



11N40MIMO_Ant1_5270



11N40MIMO_Ant2_5270

