

2. Bandwidth

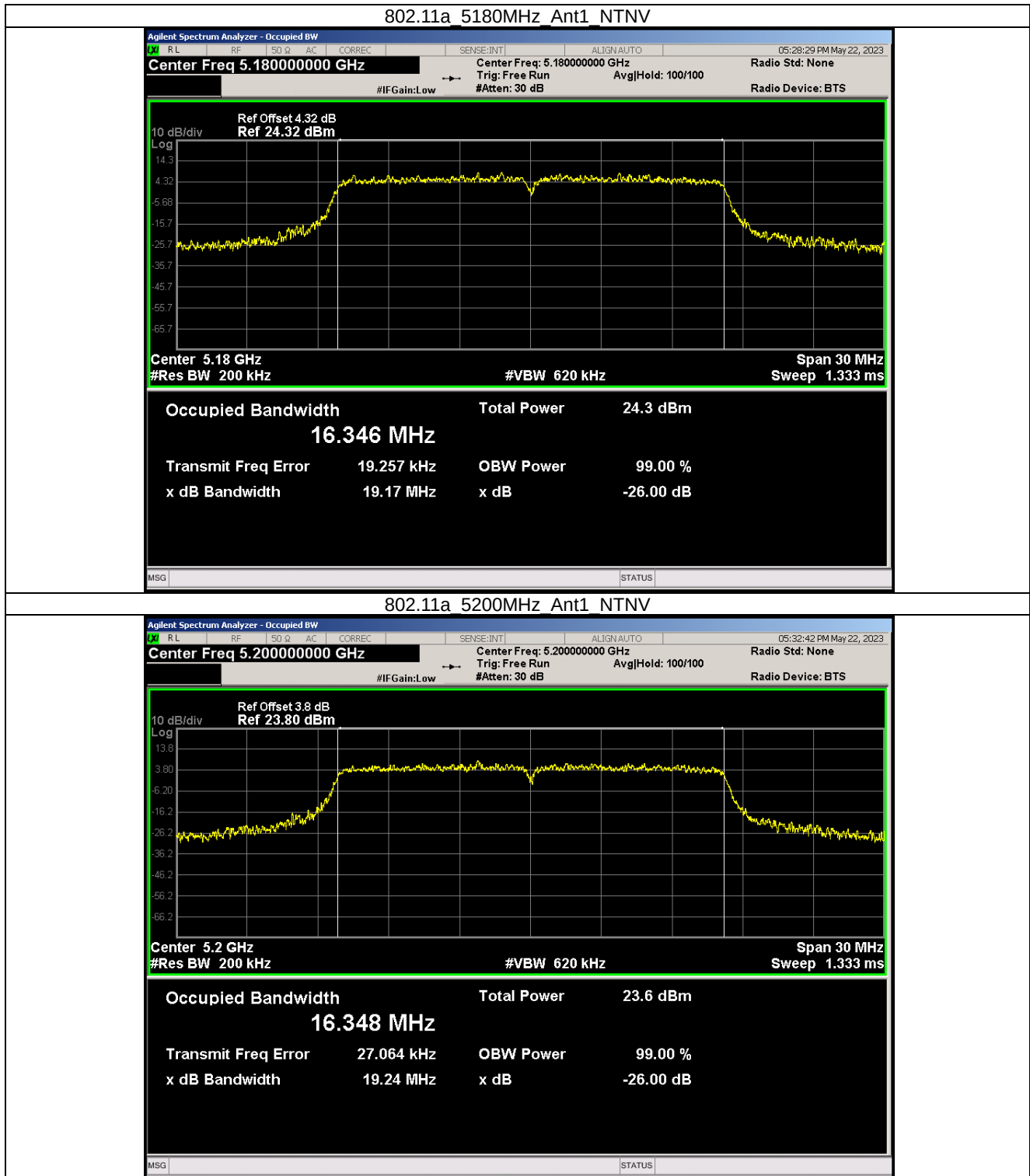
2.1 OBW

2.1.1 Test Result

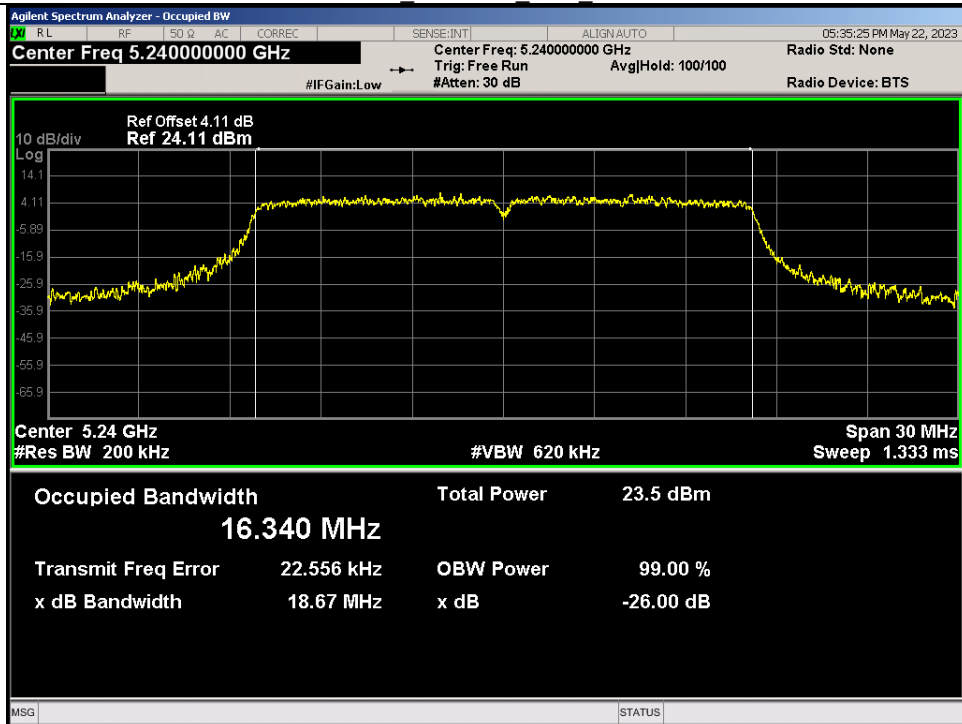
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	16.346	--
		5200	1	16.348	--
		5240	1	16.340	--
		5260	1	16.357	--
		5300	1	16.358	--
		5320	1	16.327	--
		5500	1	16.347	--
		5580	1	16.345	--
		5700	1	16.359	--
		5745	1	16.337	--
		5785	1	16.320	--
		5825	1	16.338	--
802.11n (HT20)	SISO	5180	1	17.560	--
		5200	1	17.555	--
		5240	1	17.556	--
		5260	1	17.551	--
		5300	1	17.558	--
		5320	1	17.556	--
		5500	1	17.558	--
		5580	1	17.557	--
		5700	1	17.533	--
		5745	1	17.535	--
		5785	1	17.545	--
		5825	1	17.550	--
802.11n (HT40)	SISO	5190	1	35.994	--
		5230	1	35.970	--
		5270	1	36.018	--
		5310	1	36.016	--
		5510	1	35.991	--
		5550	1	35.967	--
		5670	1	36.001	--
		5755	1	35.947	--
		5795	1	35.970	--
11AC20	SISO	5180	1	17.551	--
		5200	1	17.564	--
		5240	1	17.551	--
		5260	1	17.566	--
		5300	1	17.553	--
		5320	1	17.537	--
		5500	1	17.550	--
		5580	1	17.549	--
		5700	1	17.546	--
		5745	1	17.539	--
		5785	1	17.526	--
		5825	1	17.553	--
11AC40	SISO	5190	1	36.010	--
		5230	1	36.013	--
		5270	1	35.997	--

		5310	1	36.018	--
		5510	1	36.020	--
		5550	1	36.014	--
		5670	1	36.007	--
		5755	1	35.979	--
		5795	1	35.947	--
11AC80	SISO	5210	1	75.393	--
		5290	1	75.408	--
		5530	1	75.390	--
		5610	1	75.339	--
		5775	1	75.379	--
11AC160	SISO	5250	1	154.33	--
		5250_UNII-1	1	77.184	--
		5250_UNII-2A	1	77.146	--
		5570	1	154.26	--

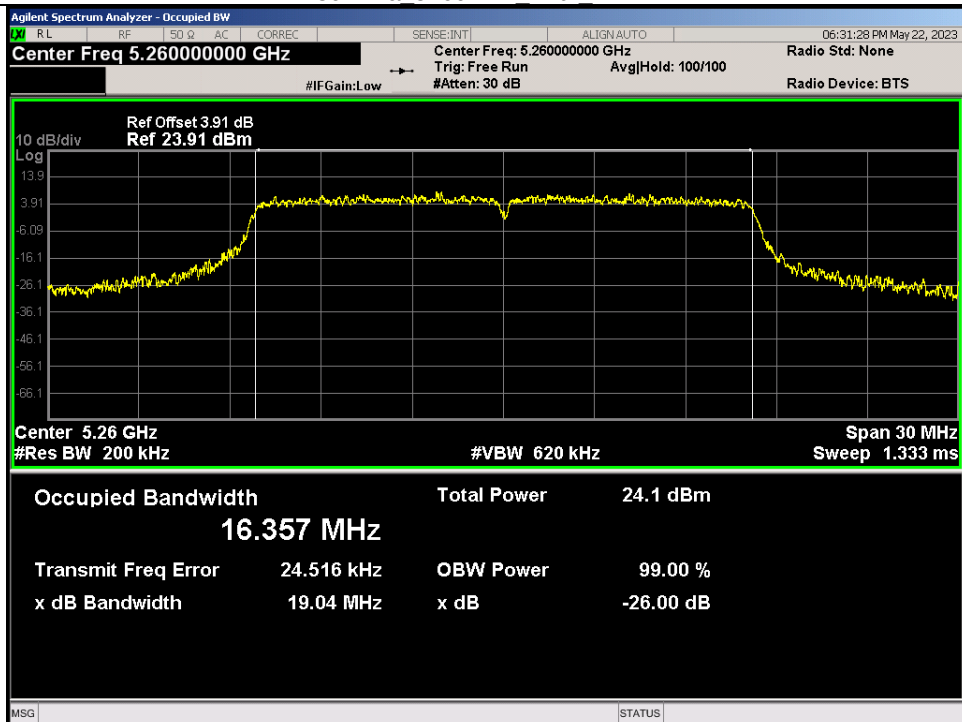
2.1.2 Test Graph



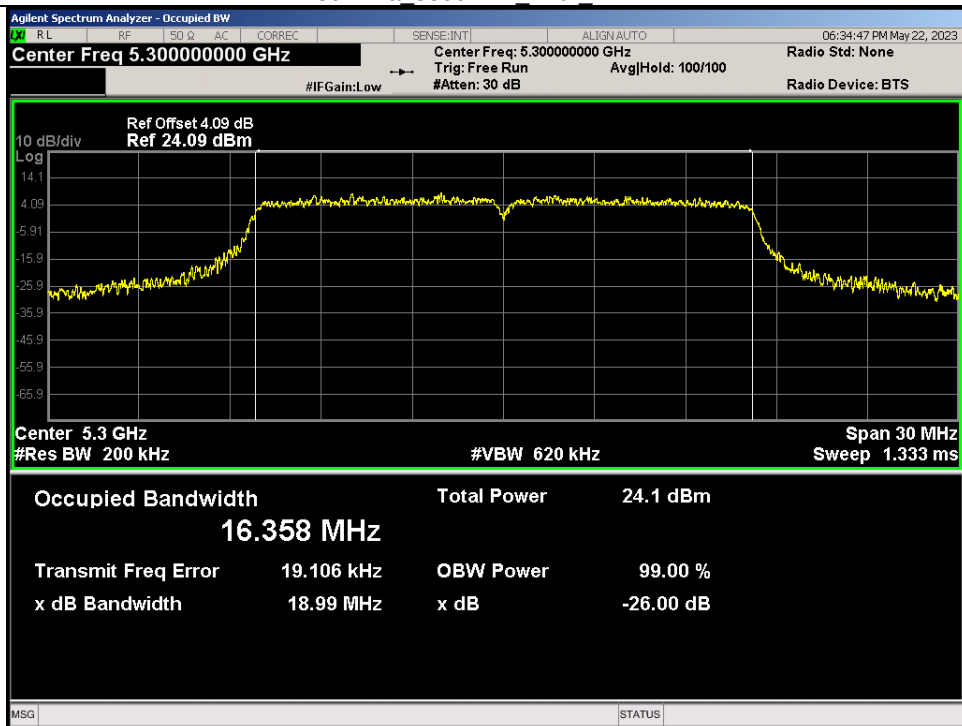
802.11a 5240MHz Ant1 NTN



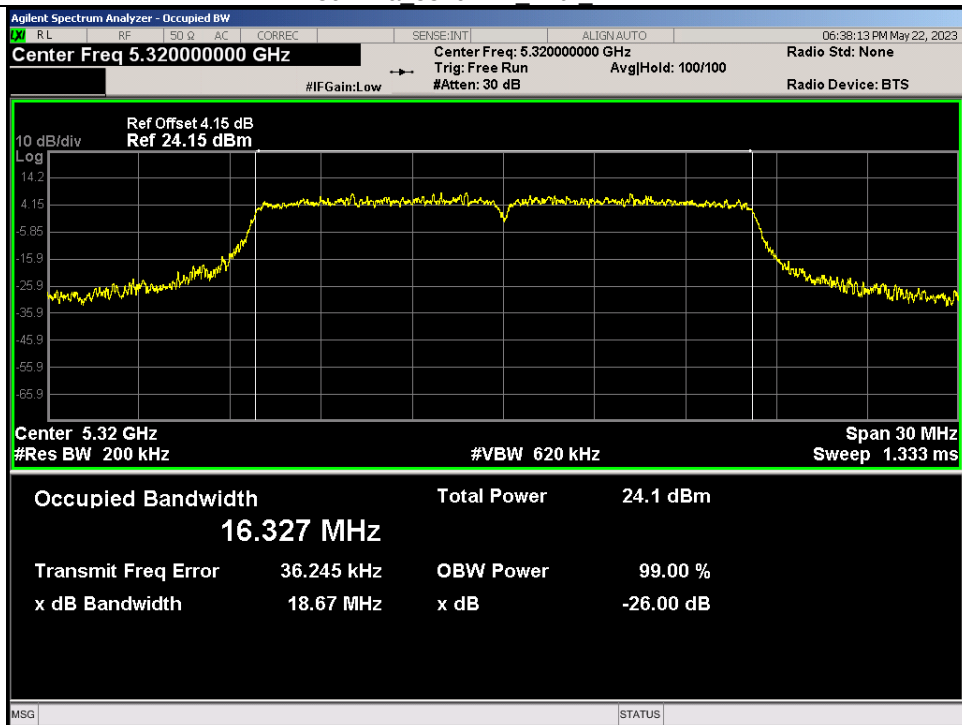
802.11a 5260MHz Ant1 NTN



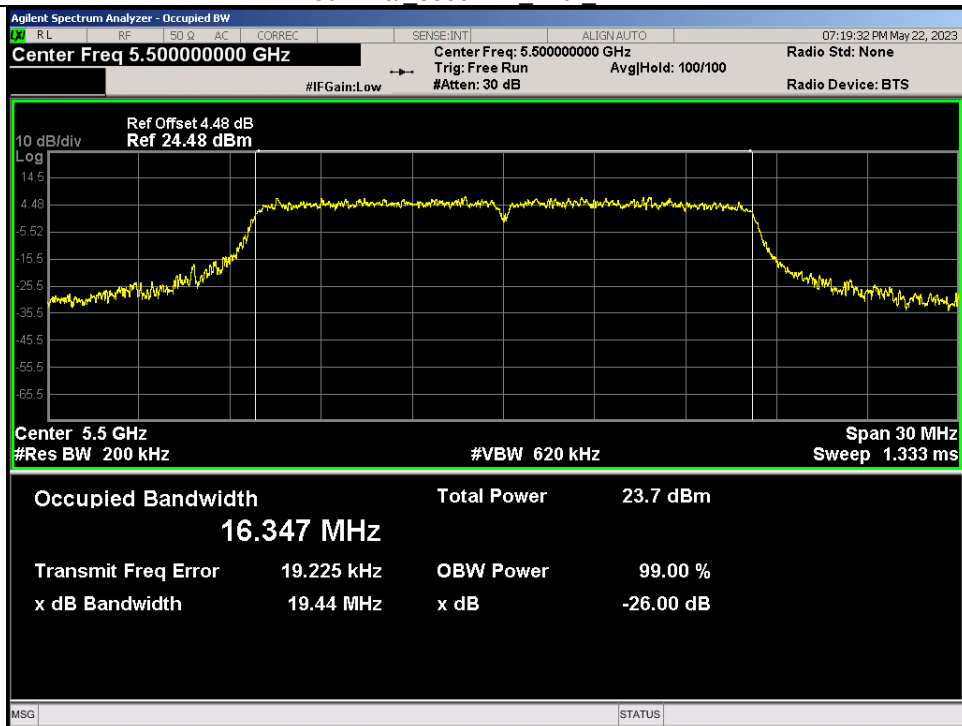
802.11a 5300MHz Ant1 NTNV



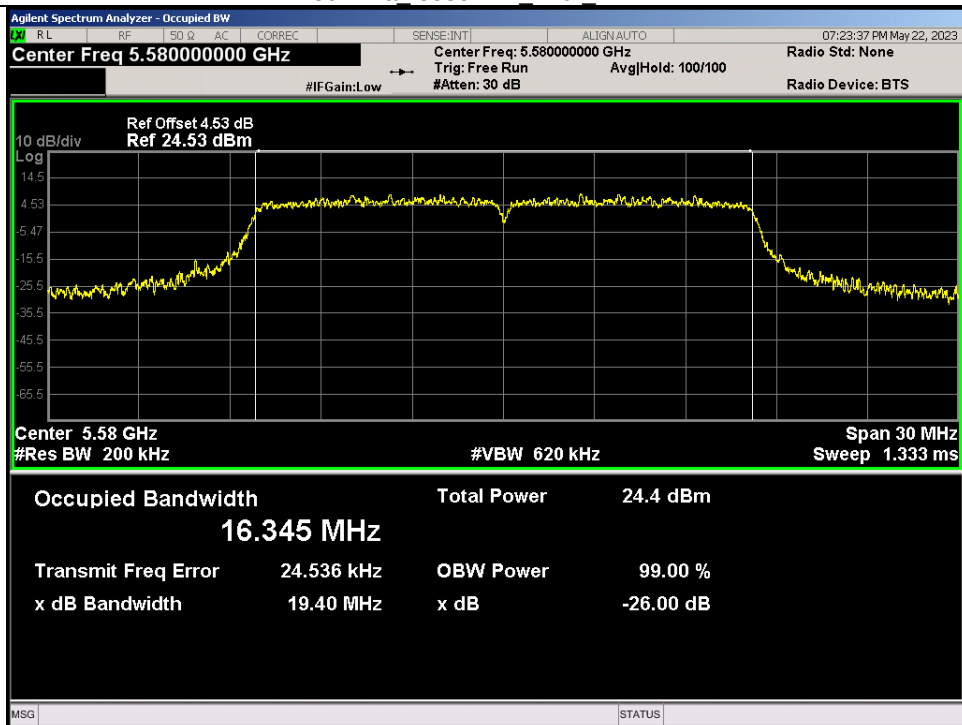
802.11a 5320MHz Ant1 NTNV



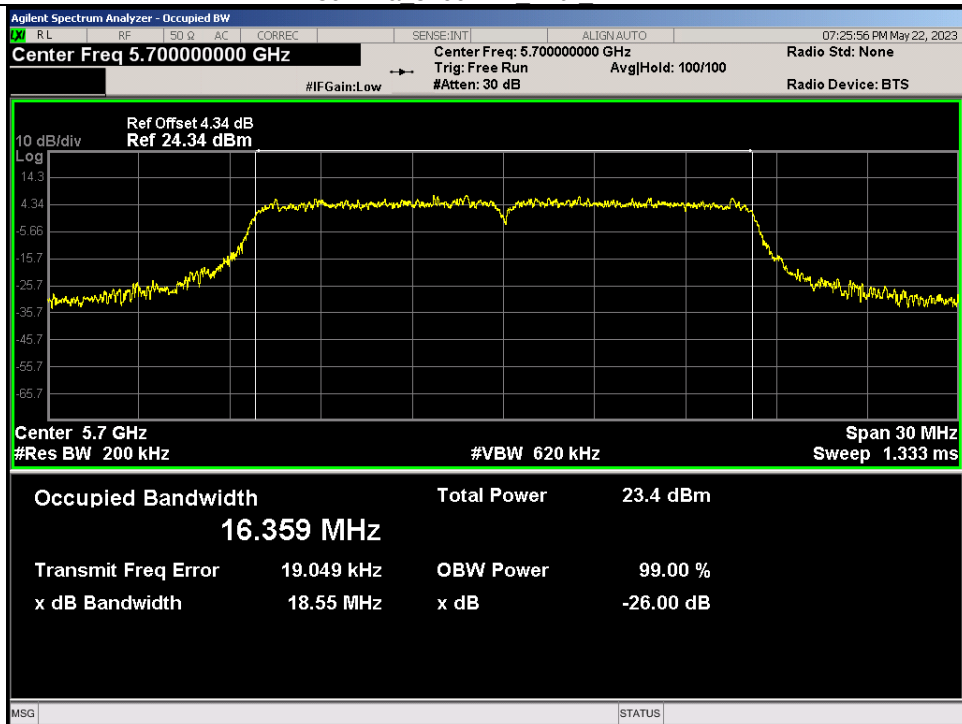
802.11a 5500MHz Ant1 NTN



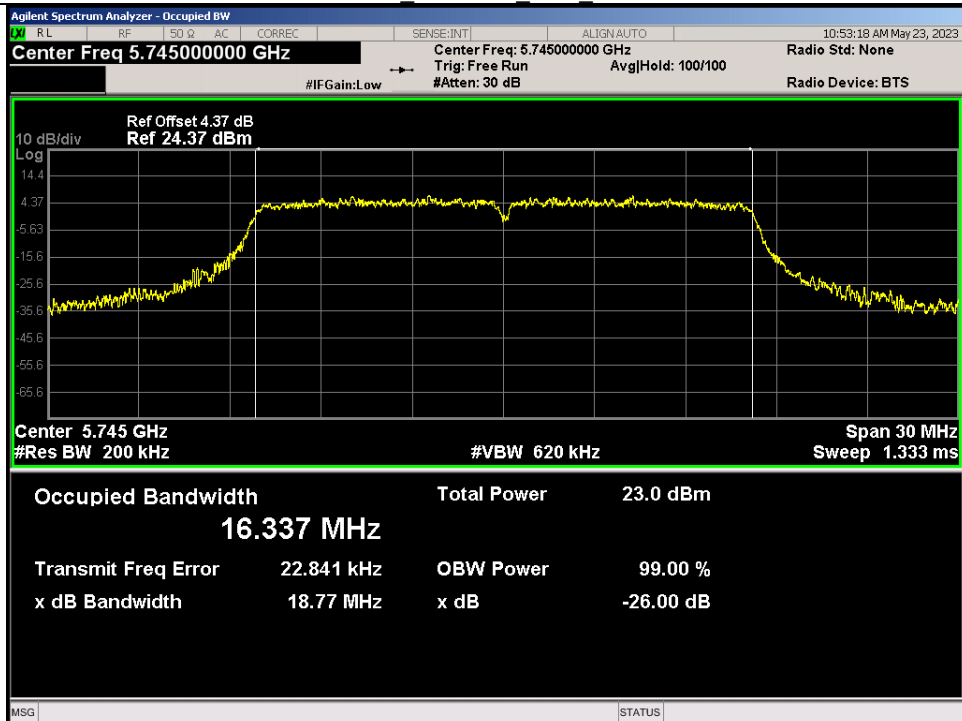
802.11a 5580MHz Ant1 NTN



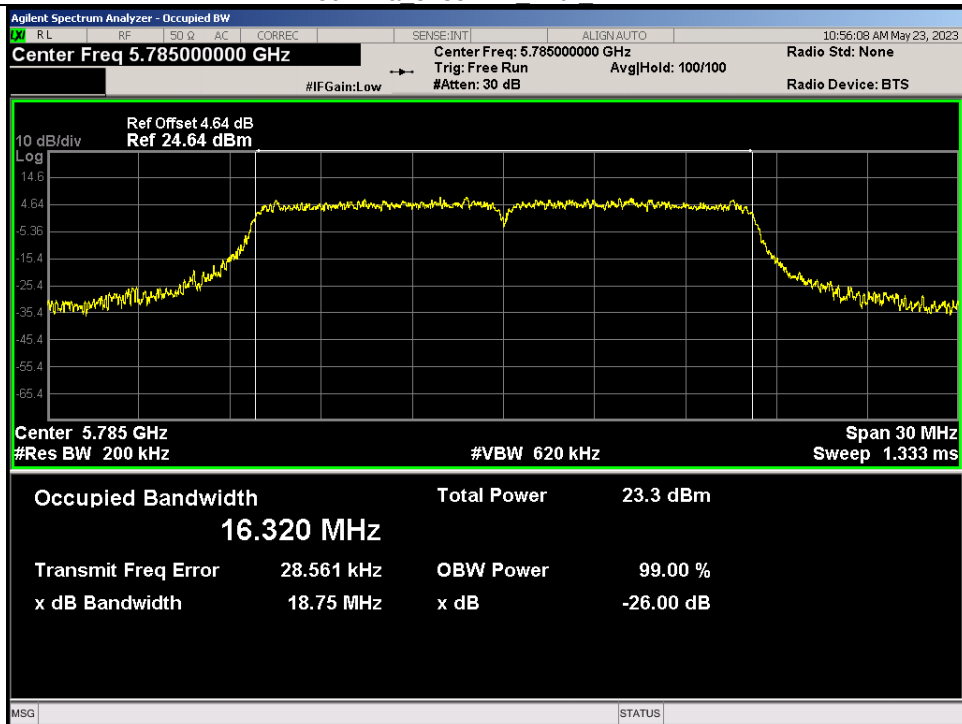
802.11a 5700MHz Ant1 NTNV



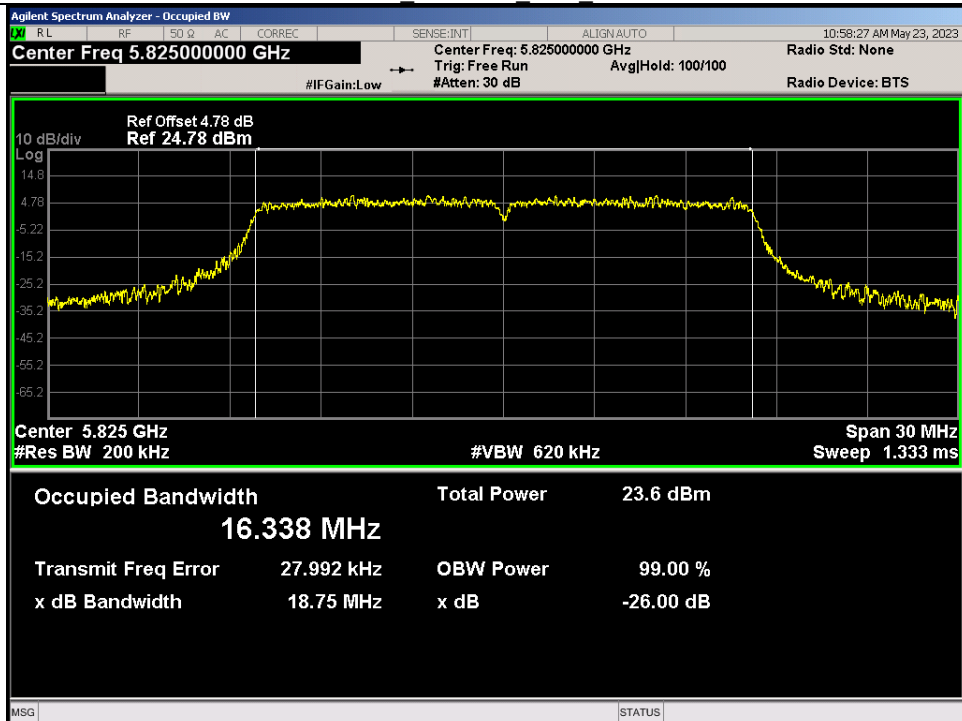
802.11a 5745MHz Ant1 NTNV



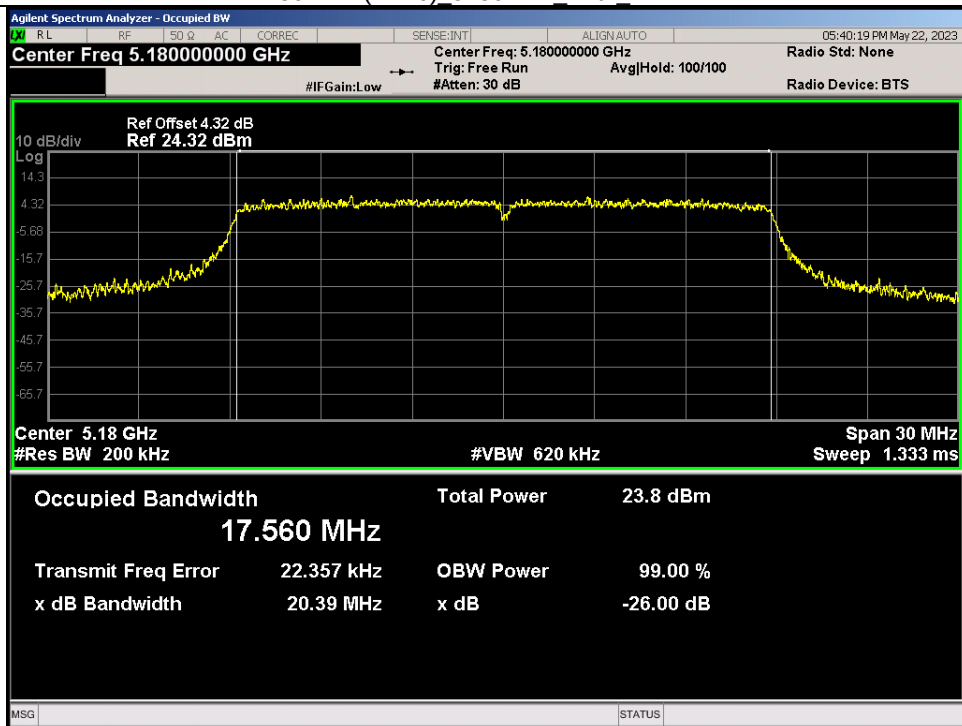
802.11a 5785MHz Ant1 NTNV



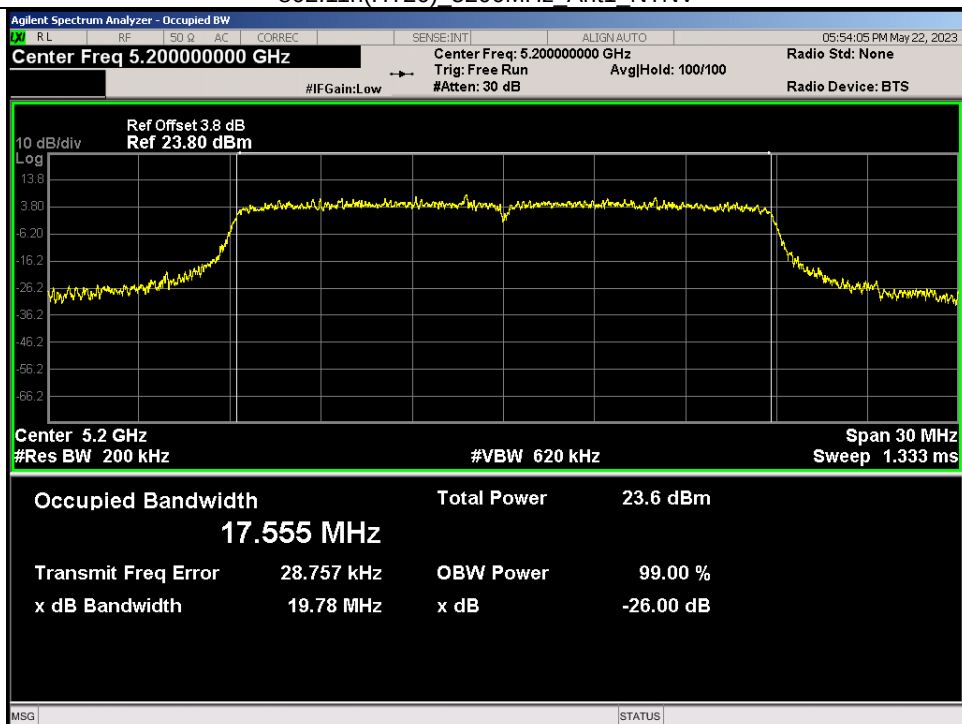
802.11a 5825MHz Ant1 NTNV



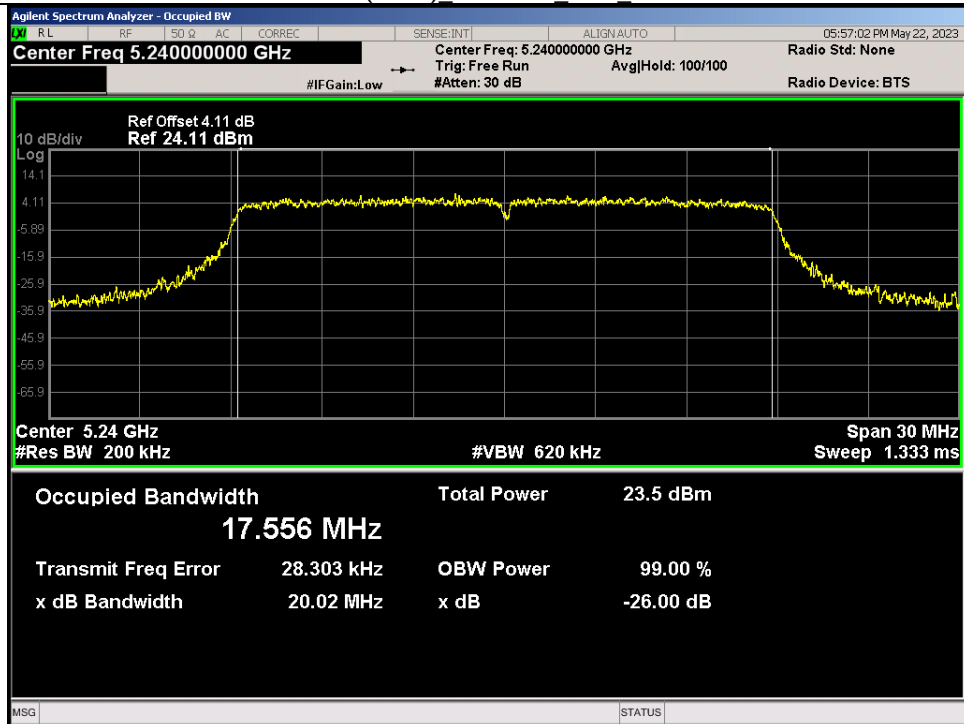
802.11n(HT20) 5180MHz Ant1 NTN



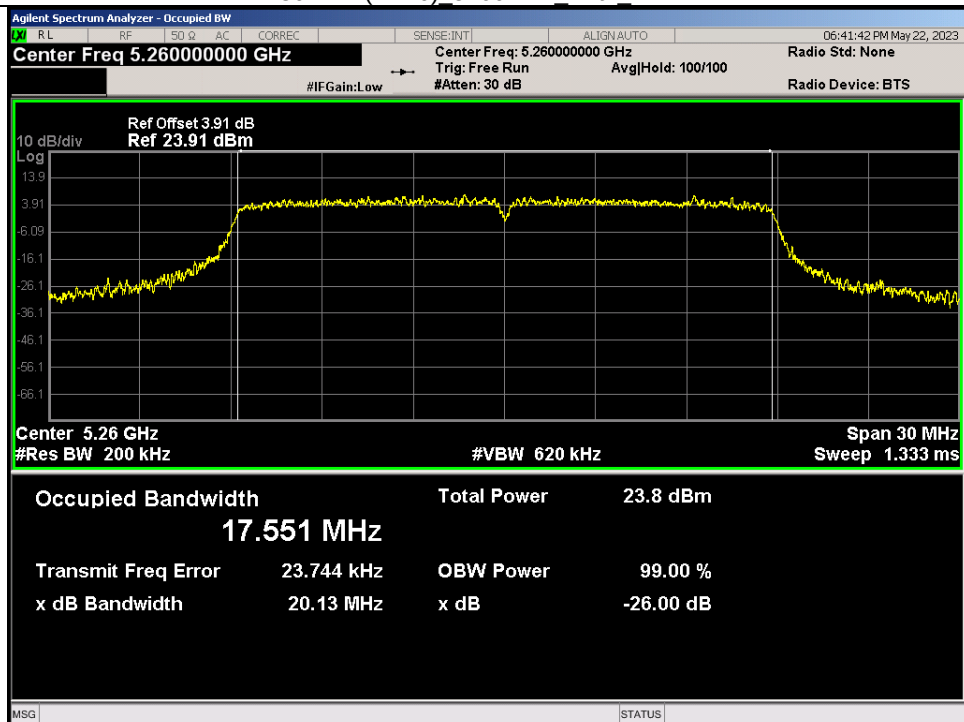
802.11n(HT20) 5200MHz Ant1 NTN



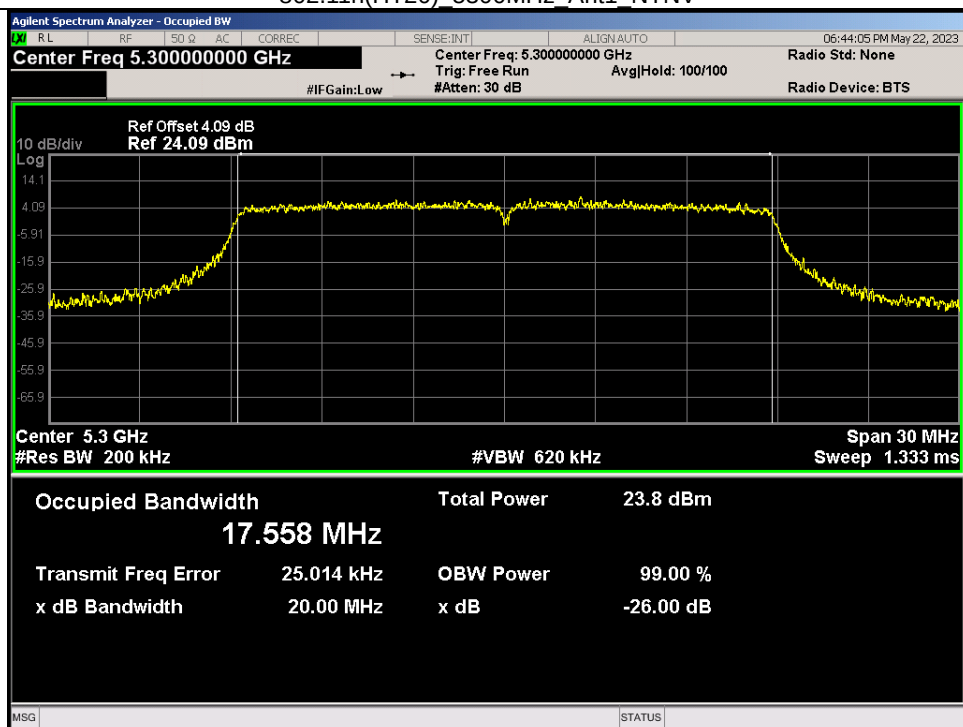
802.11n(HT20) 5240MHz Ant1 NTN



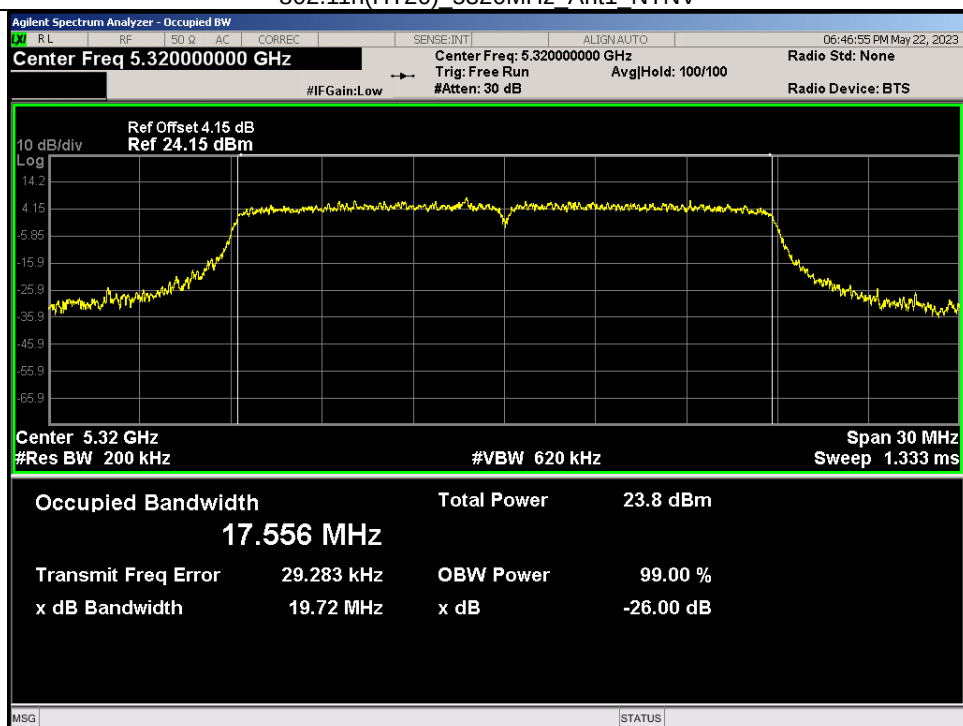
802.11n(HT20) 5260MHz Ant1 NTN



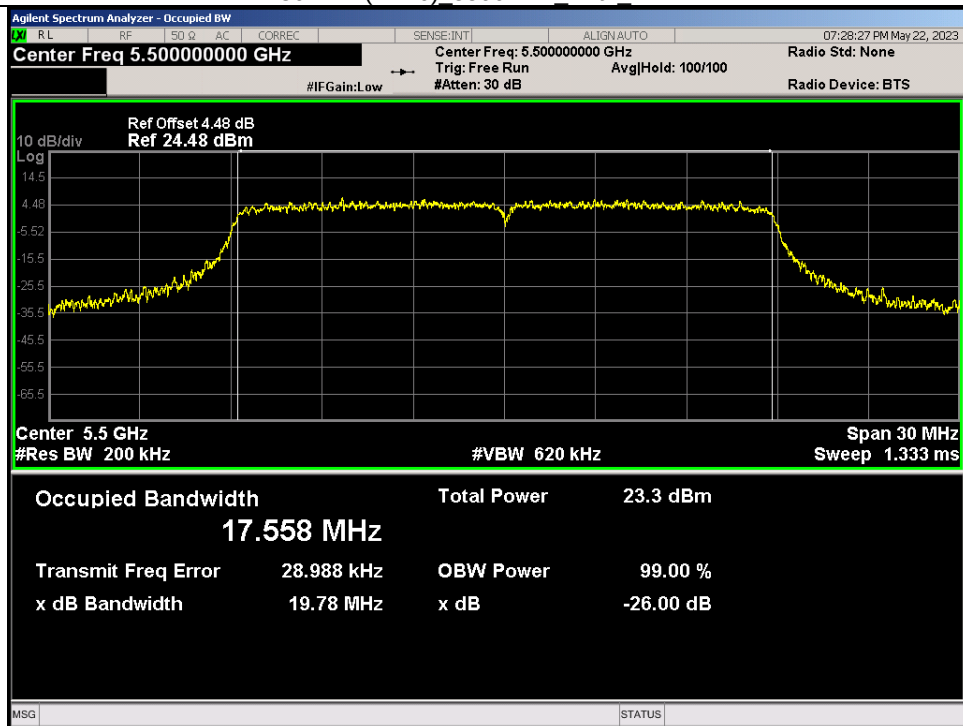
802.11n(HT20) 5300MHz Ant1 NTNV



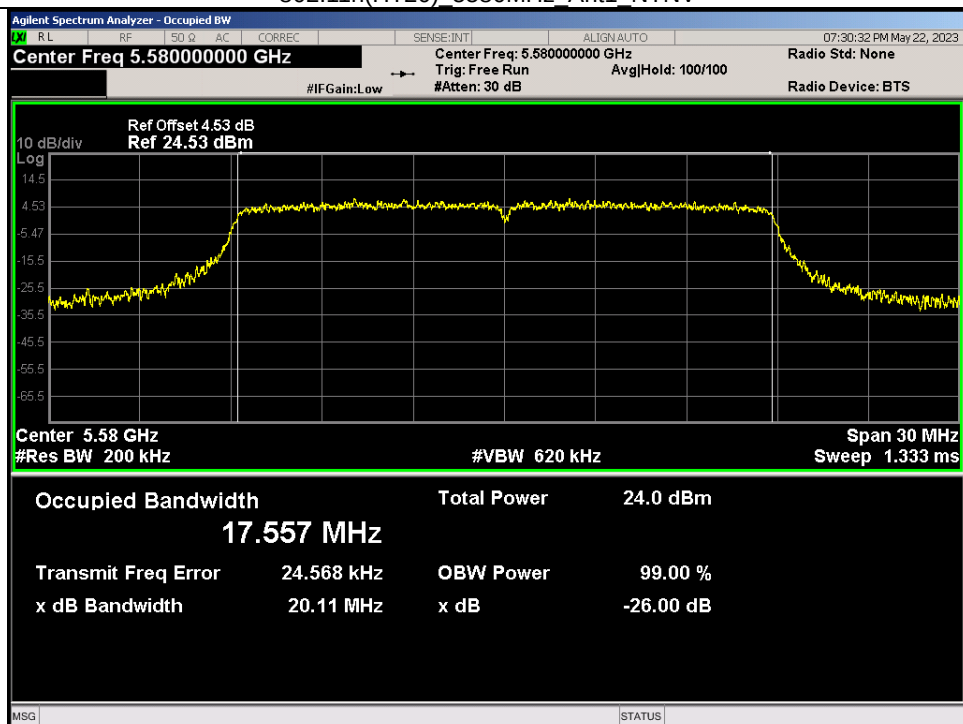
802.11n(HT20)_5320MHz_Ant1_NTNV



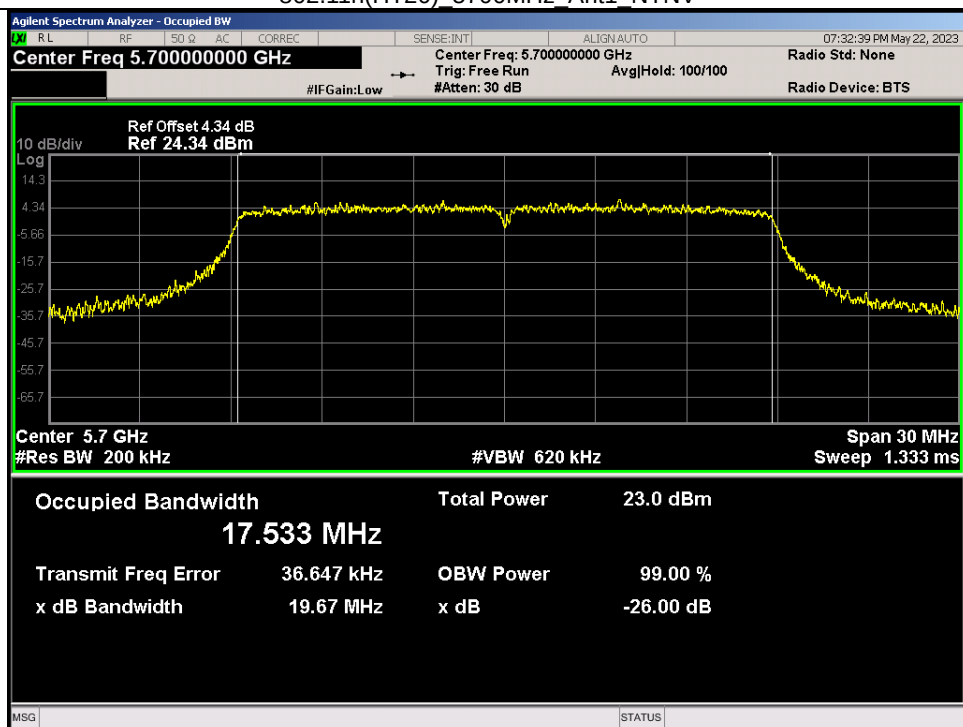
802.11n(HT20) 5500MHz Ant1 NTN



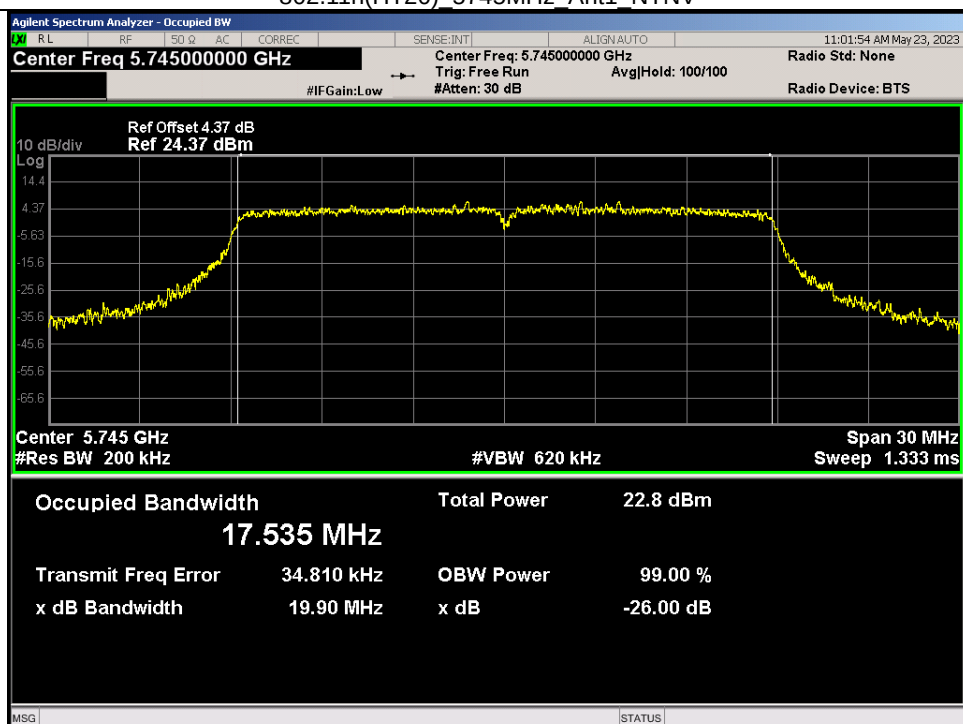
802.11n(HT20) 5580MHz Ant1 NTN



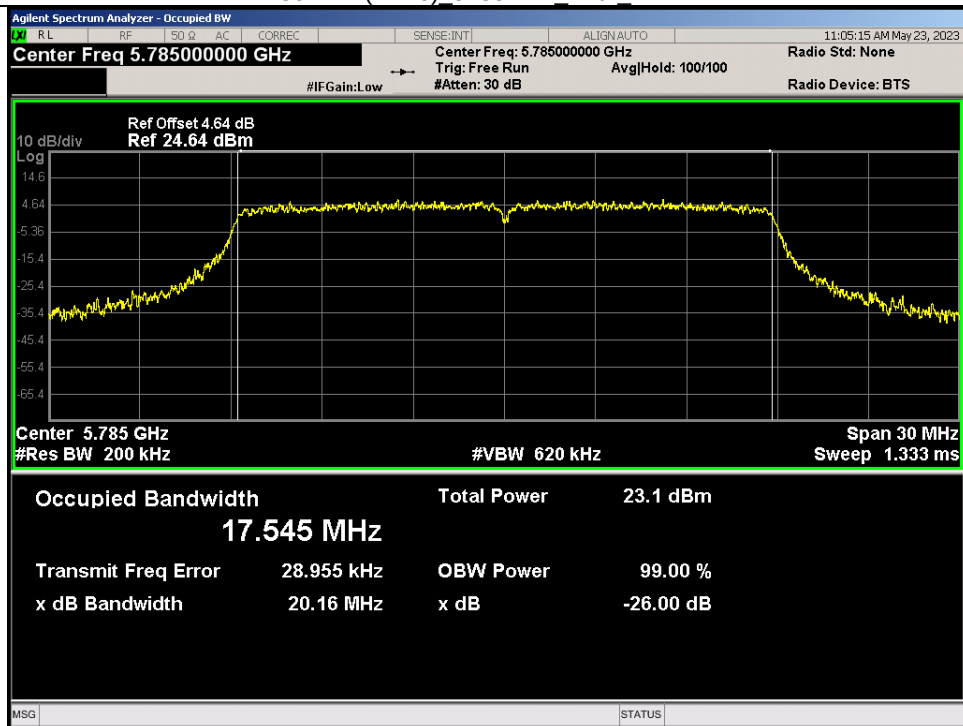
802.11n(HT20) 5700MHz Ant1 NTNV



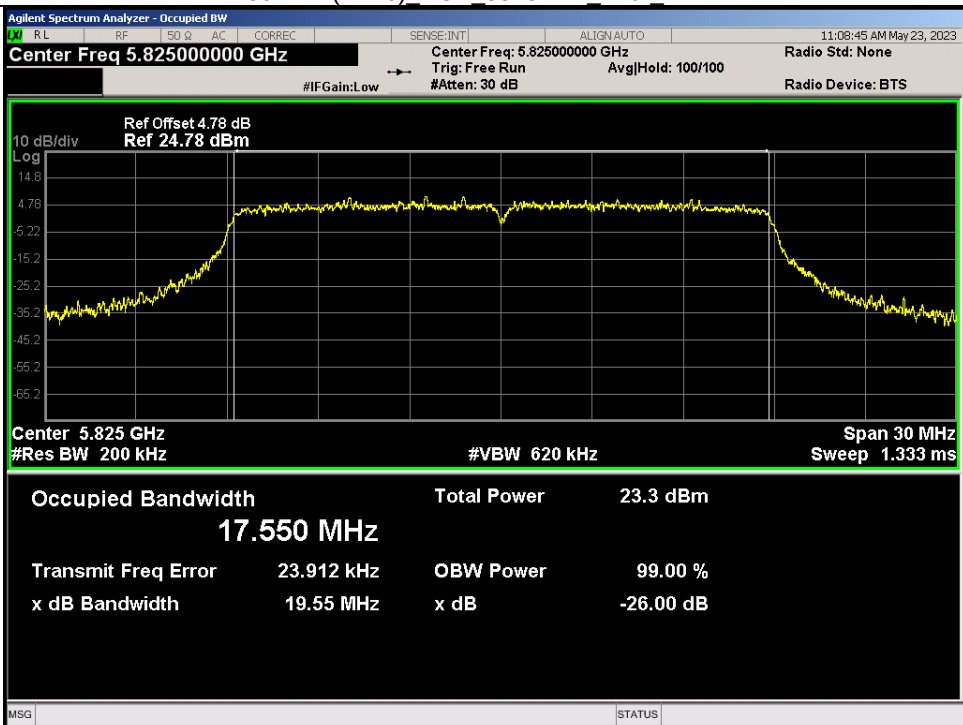
802.11n(HT20)_5745MHz_Ant1_NTNV



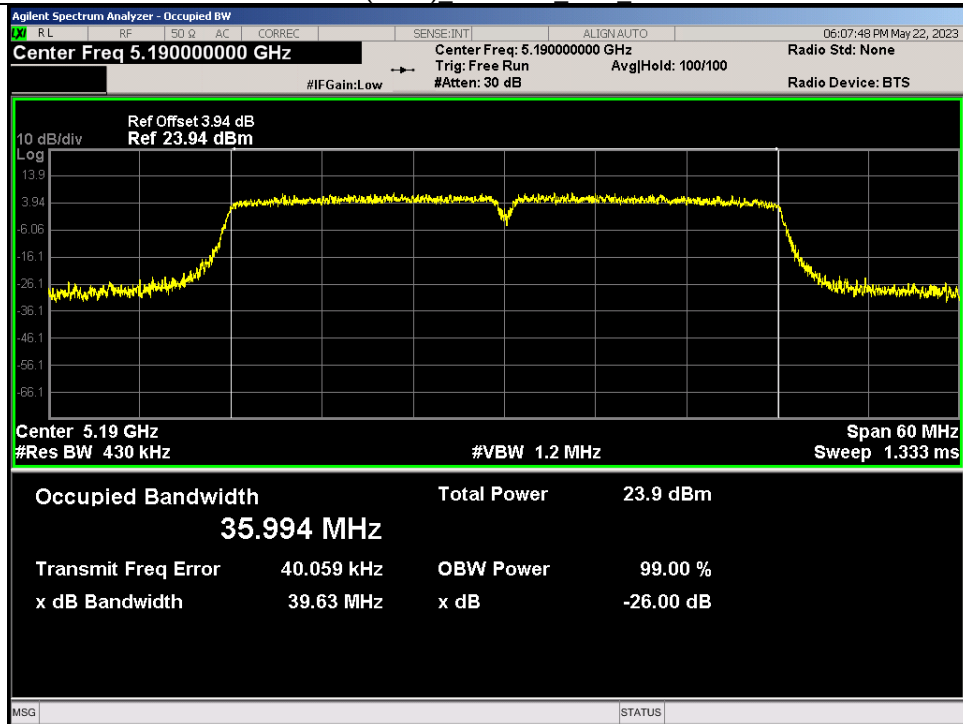
802.11n(HT20) 5785MHz Ant1 NTN



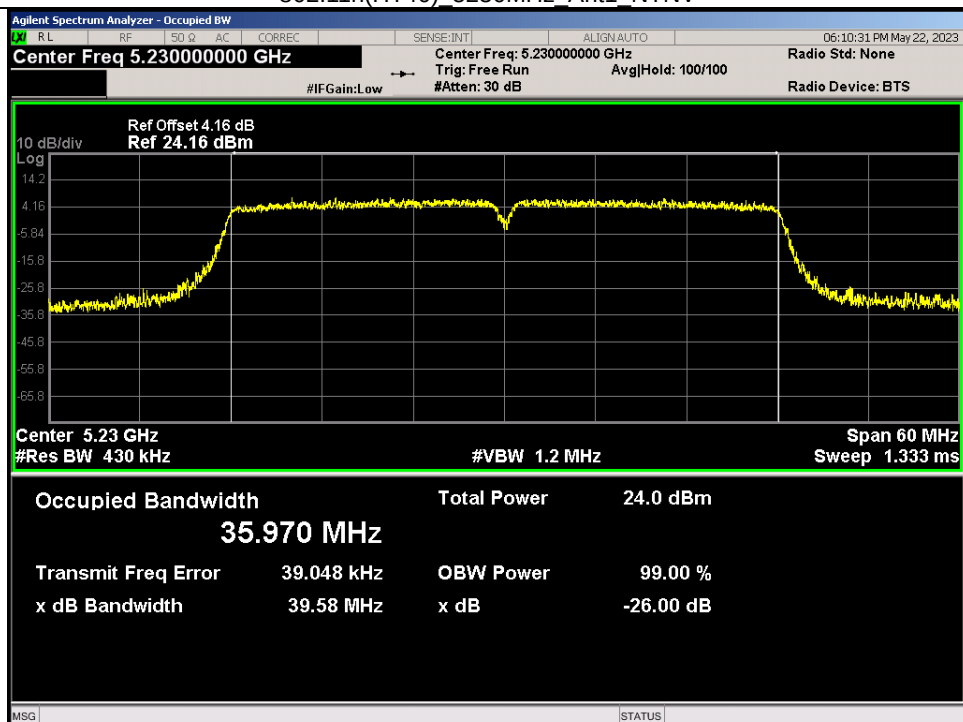
802.11n(HT20) HCH 5825MHz Ant1 NTN



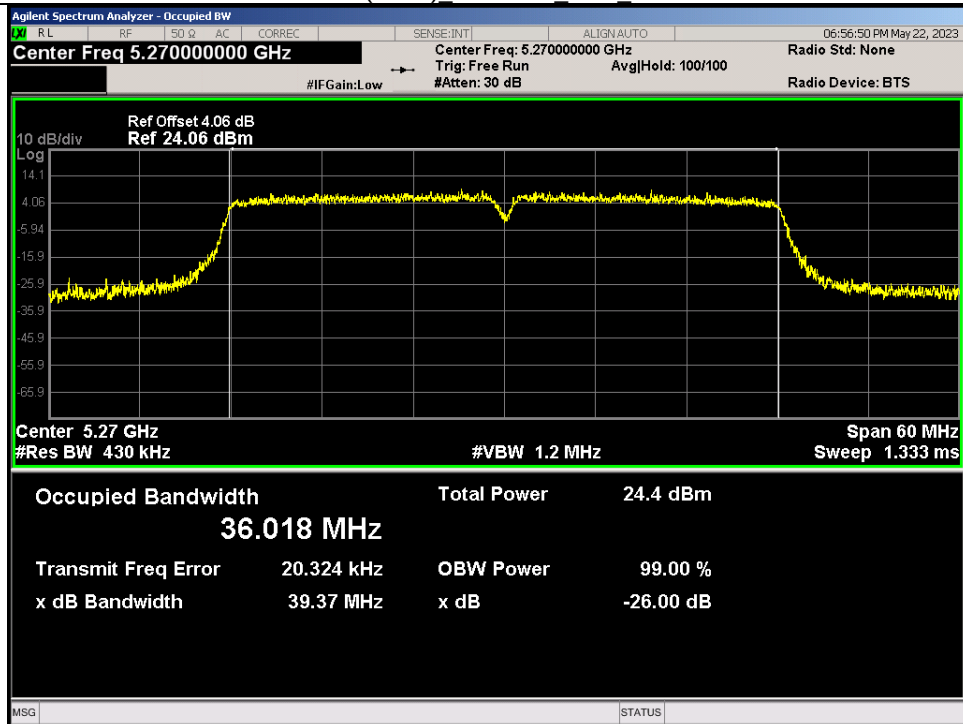
802.11n(HT40) 5190MHz Ant1 NTN



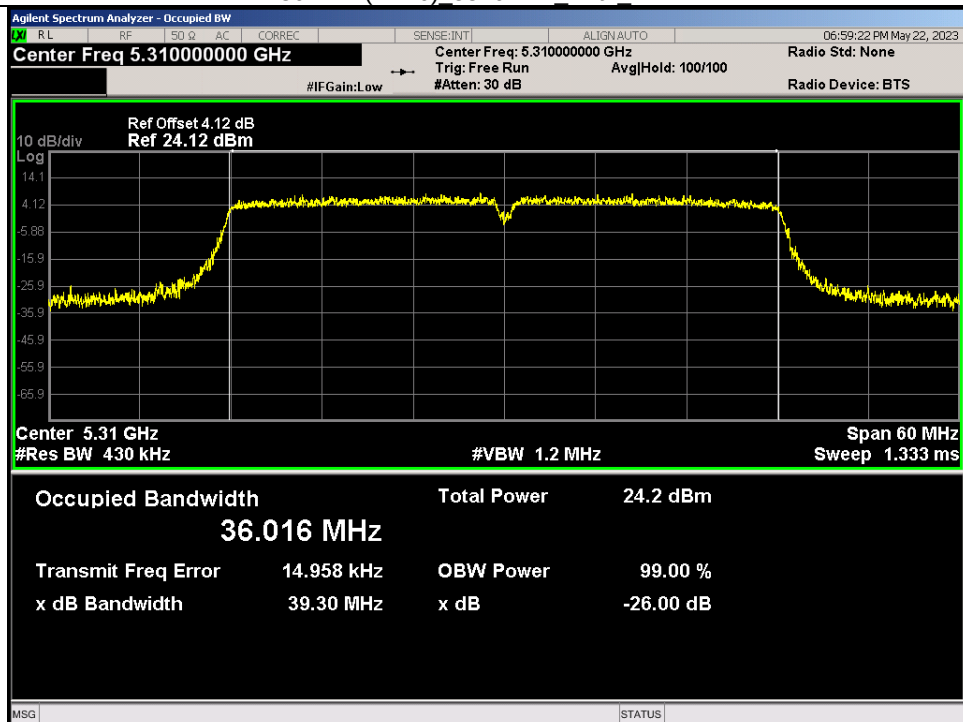
802.11n(HT40) 5230MHz Ant1 NTN



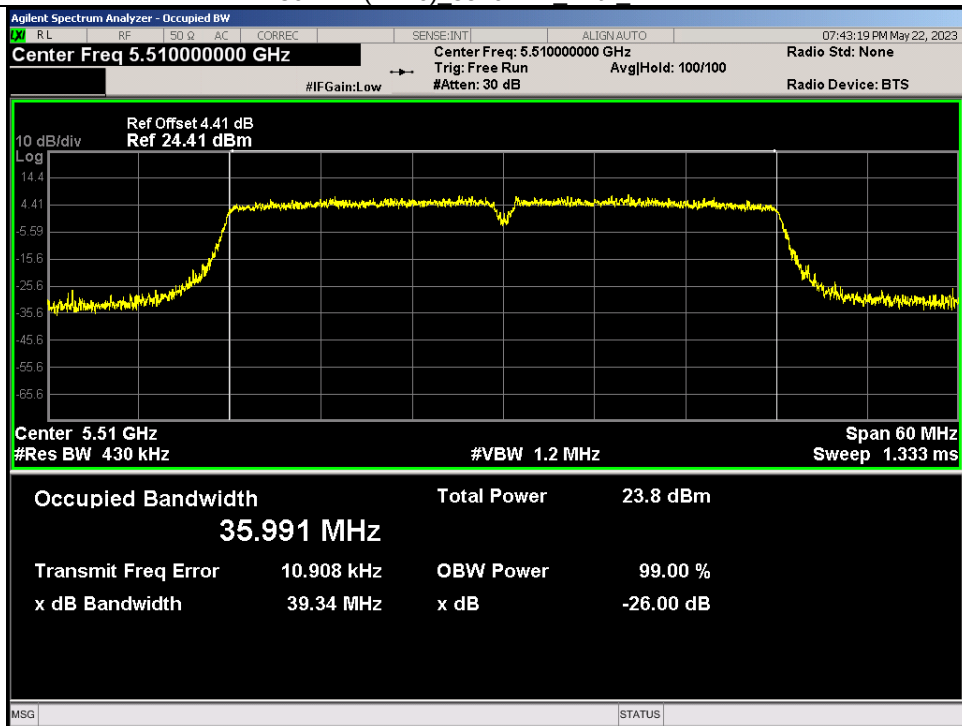
802.11n(HT40) 5270MHz Ant1 NTN



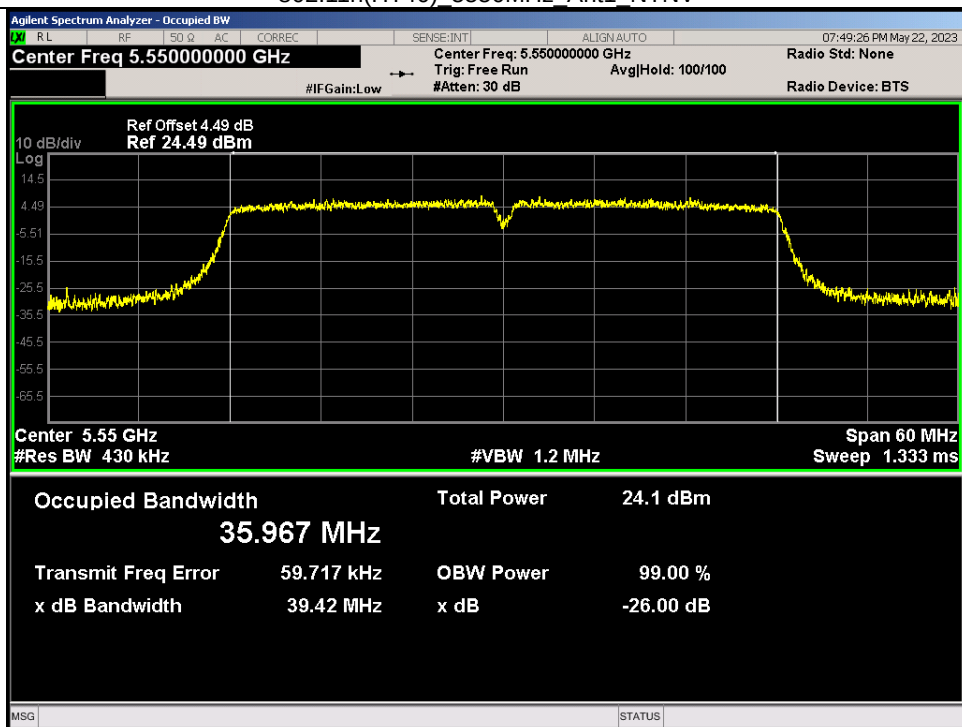
802.11n(HT40) 5310MHz Ant1 NTN



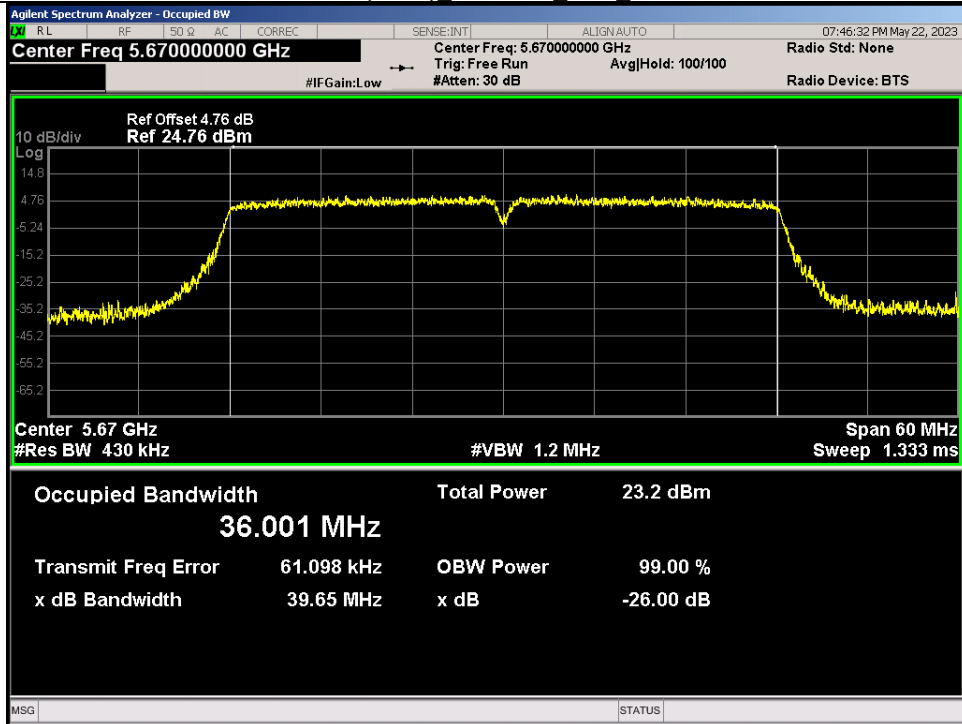
802.11n(HT40) 5510MHz Ant1 NTN



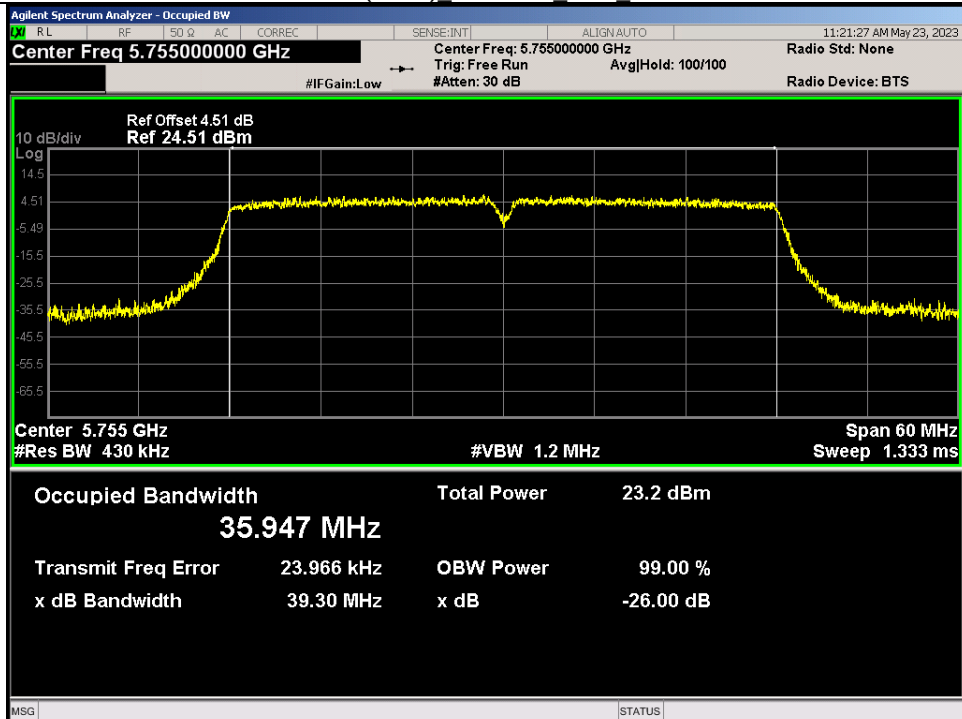
802.11n(HT40) 5550MHz Ant1 NTN



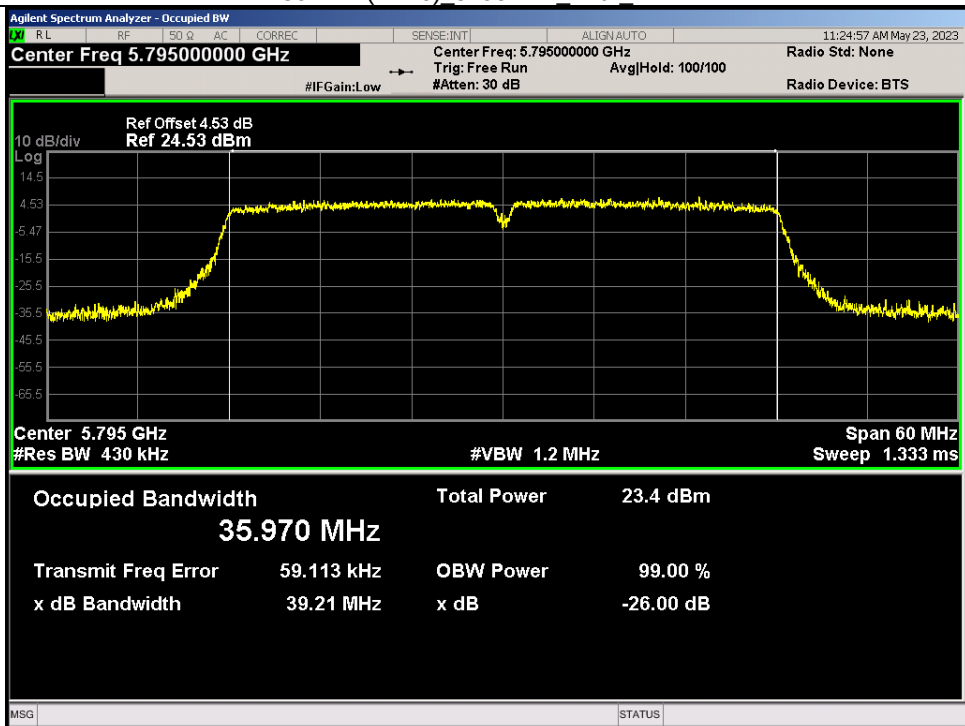
802.11n(HT40) 5670MHz Ant1 NTN



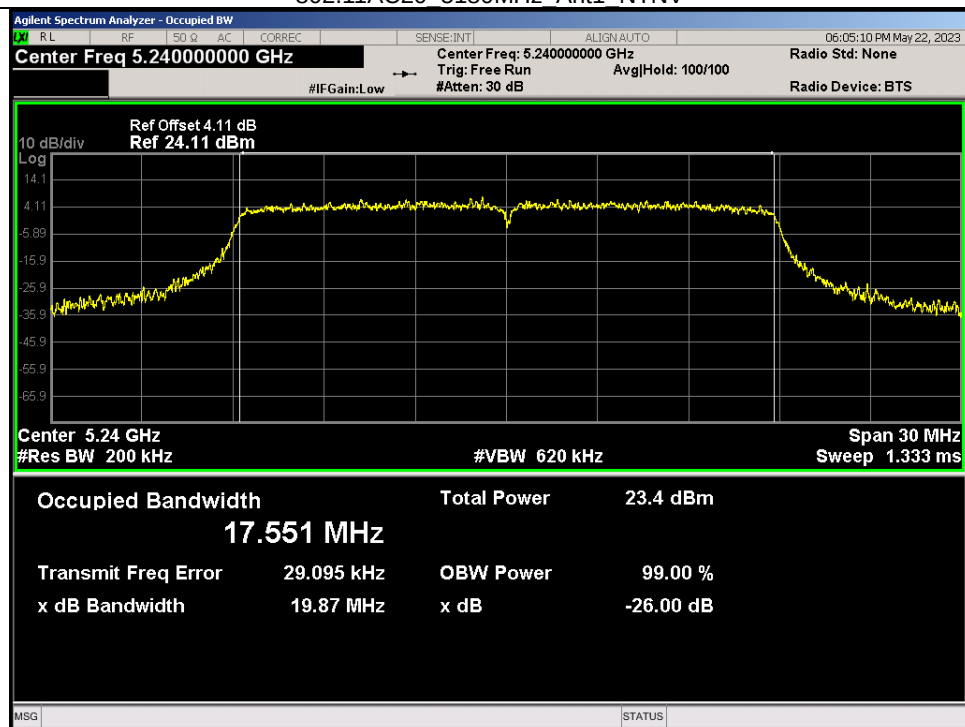
802.11n(HT40) 5755MHz Ant1 NTN



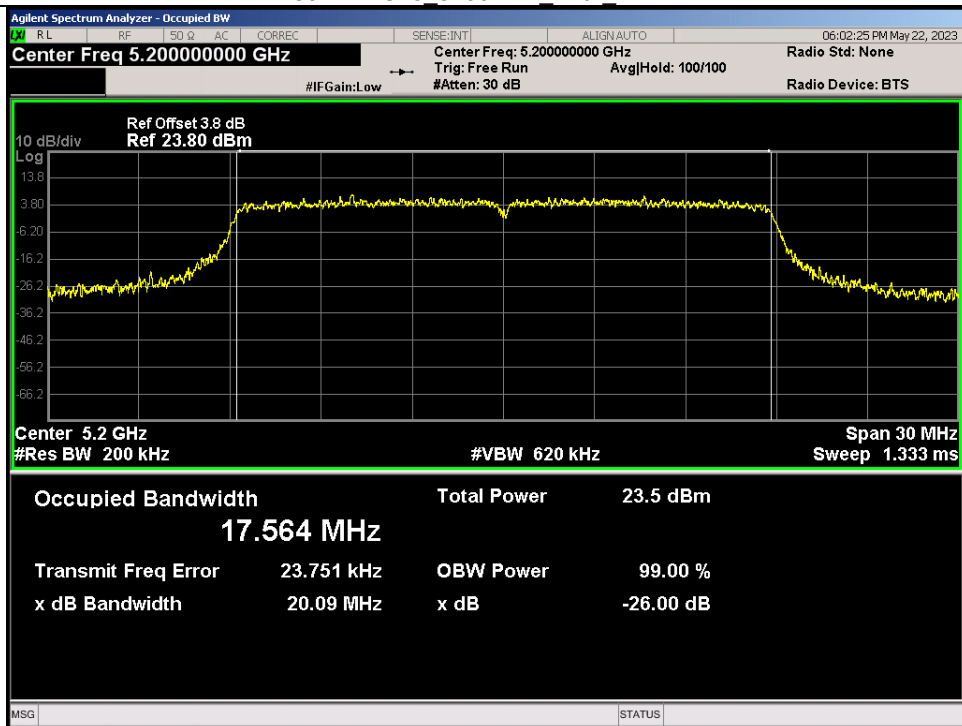
802.11n(HT40) 5795MHz Ant1 NTN



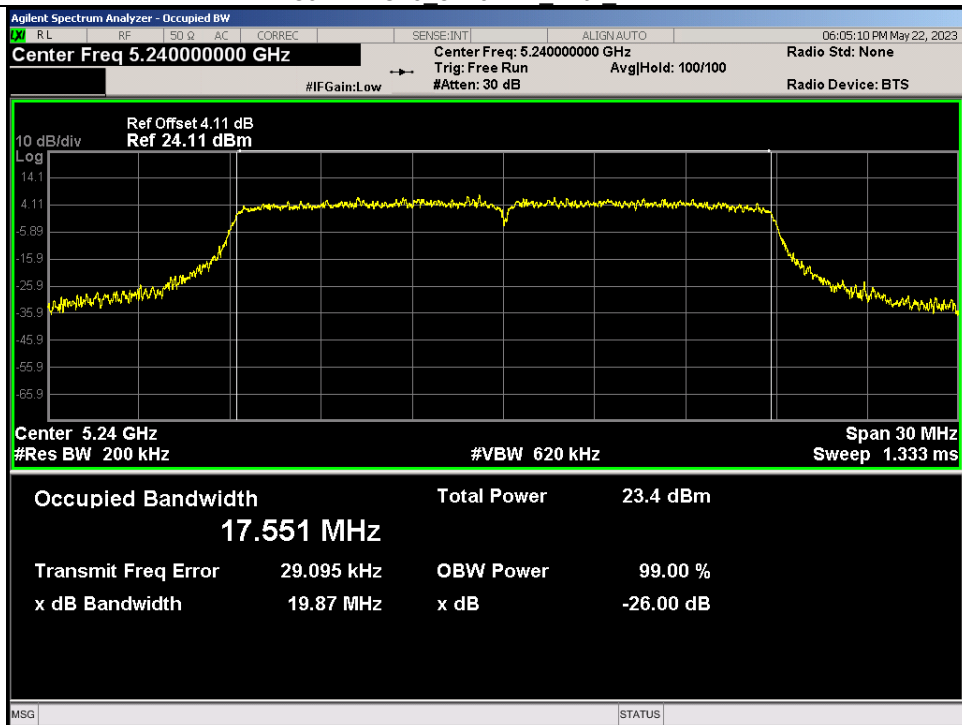
802.11AC20 5180MHz Ant1 NTN



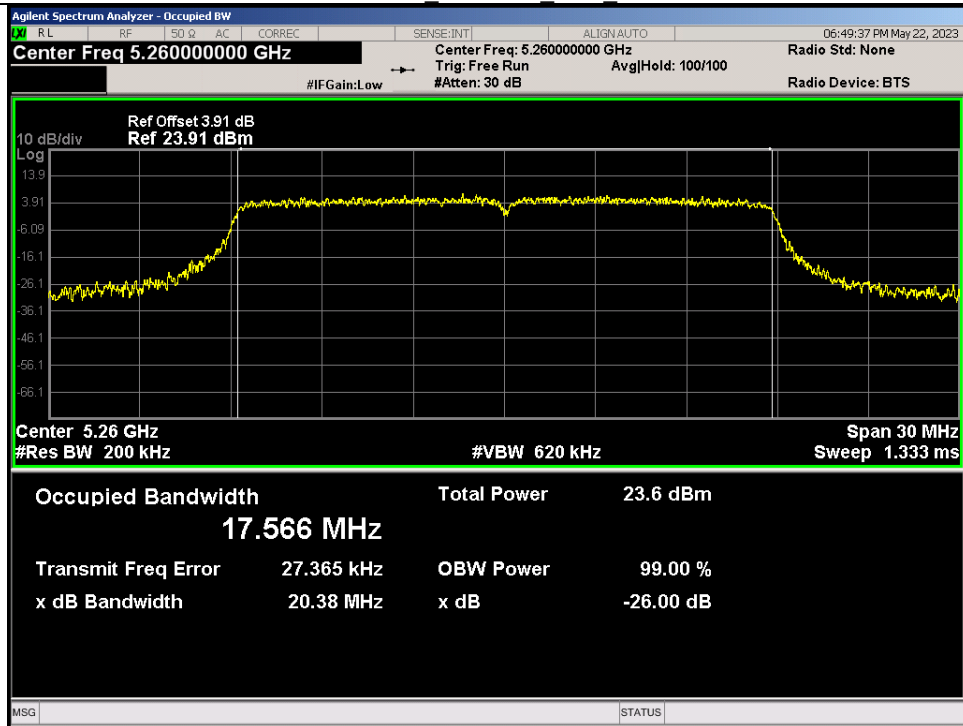
802.11AC20 5200MHz Ant1 NTN



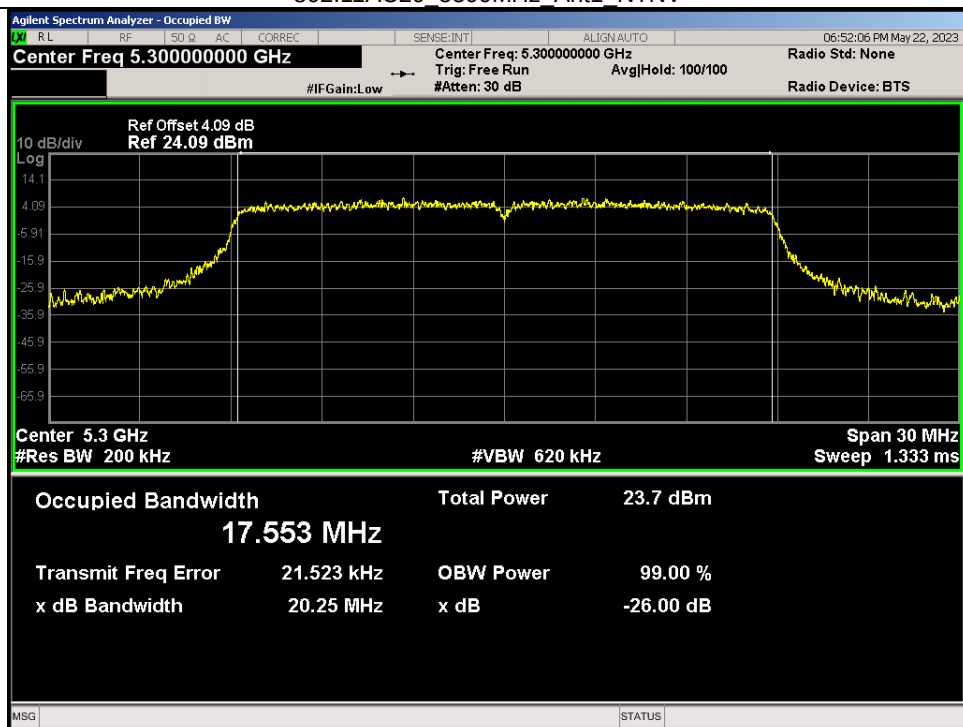
802.11AC20 5240MHz Ant1 NTN



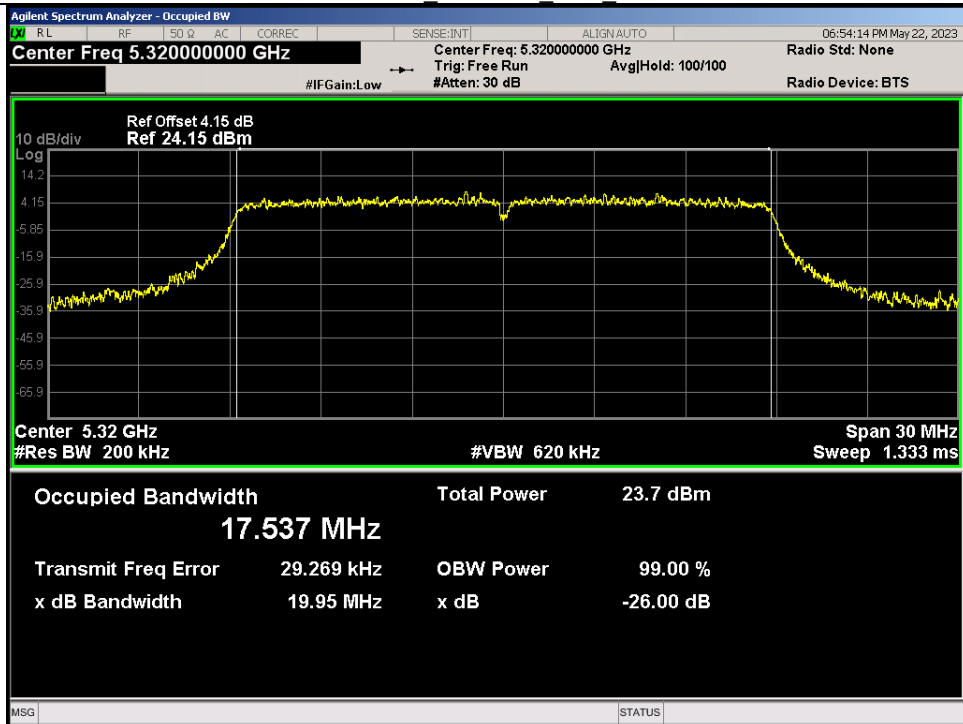
802.11AC20 5260MHz Ant1 NTN



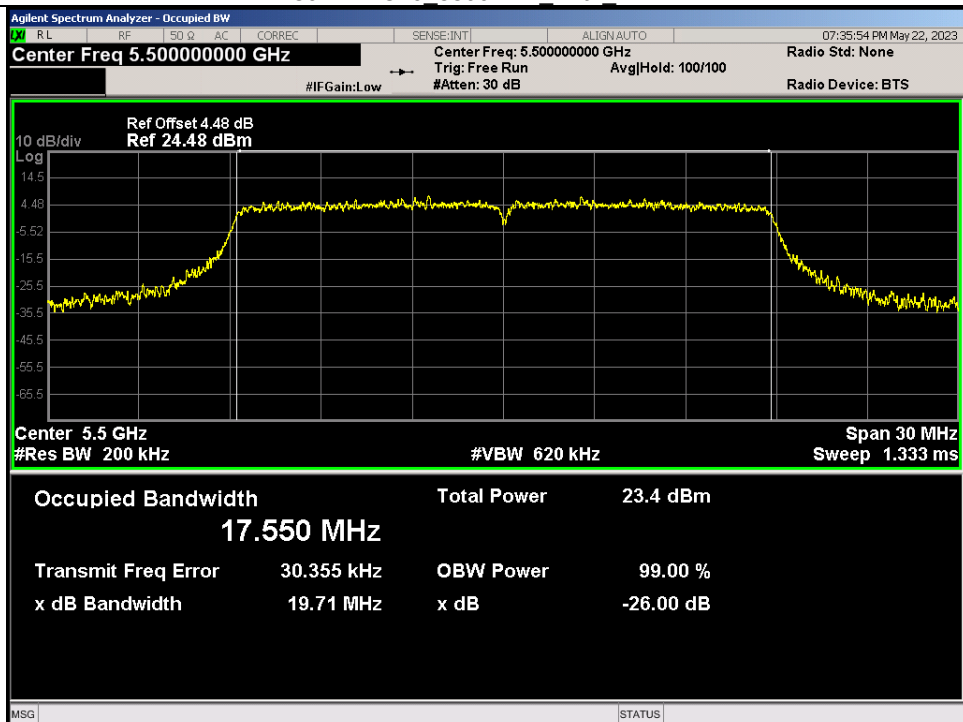
802.11AC20 5300MHz Ant1 NTN



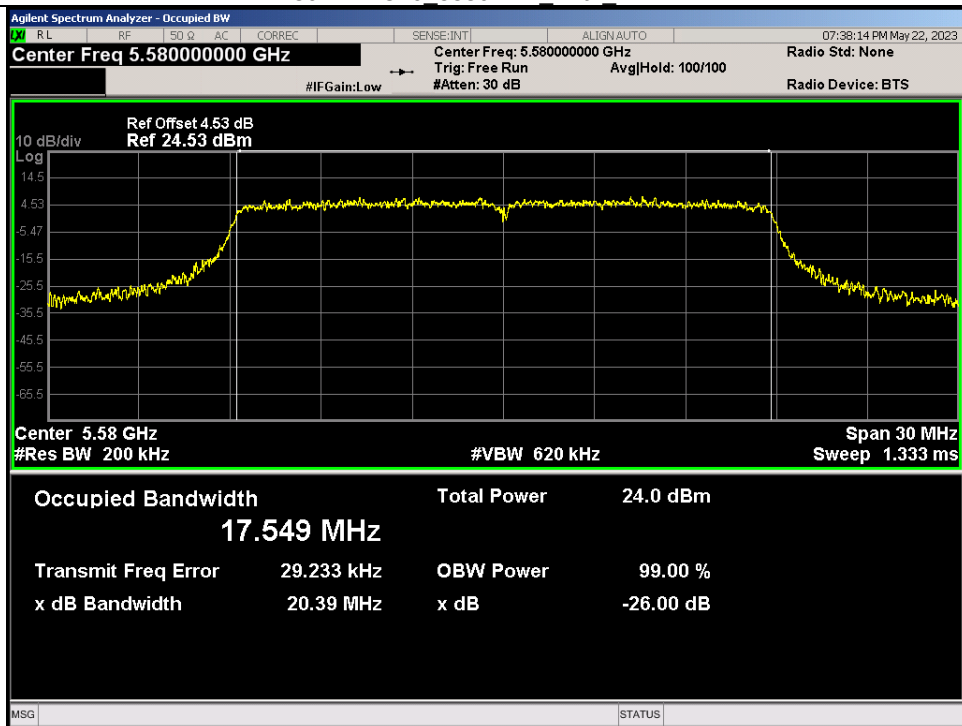
802.11AC20 5320MHz Ant1 NTN



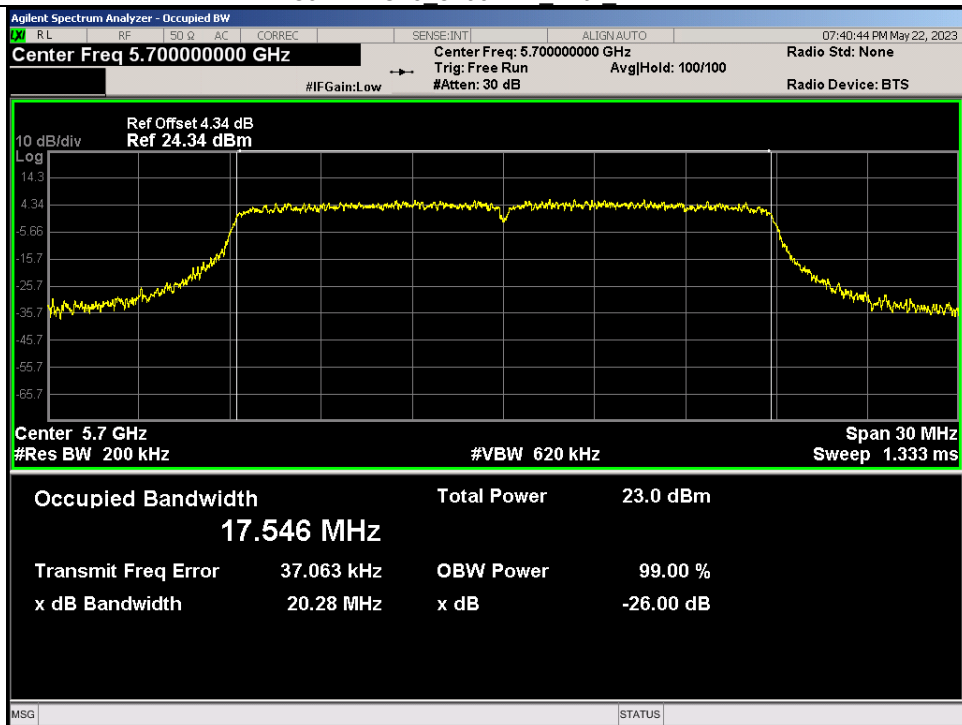
802.11AC20 5500MHz Ant1 NTN



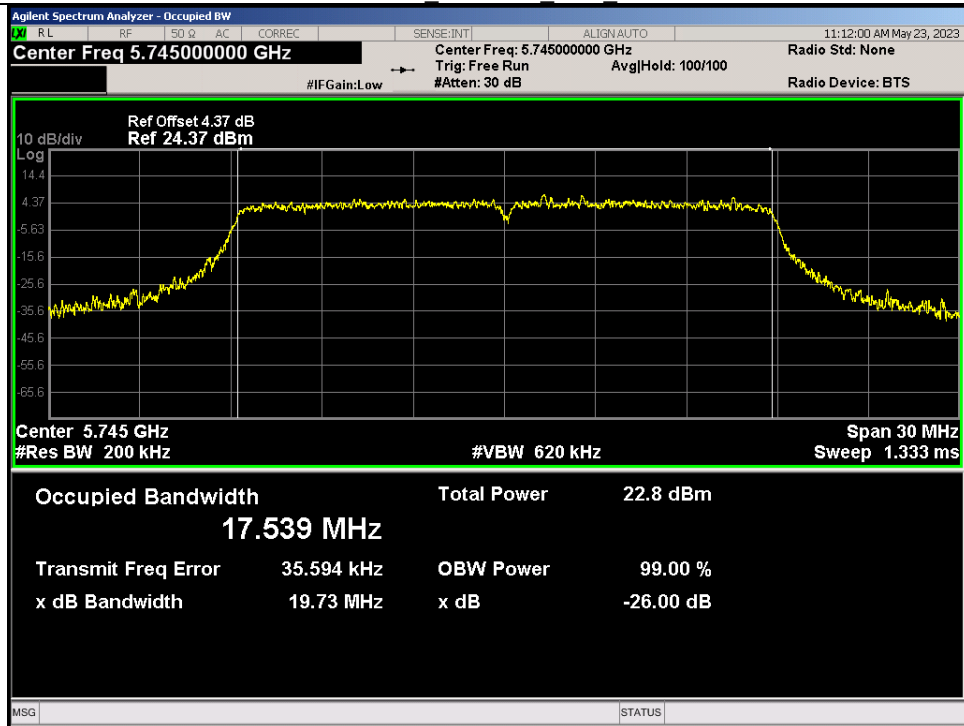
802.11AC20 5580MHz Ant1 NTN



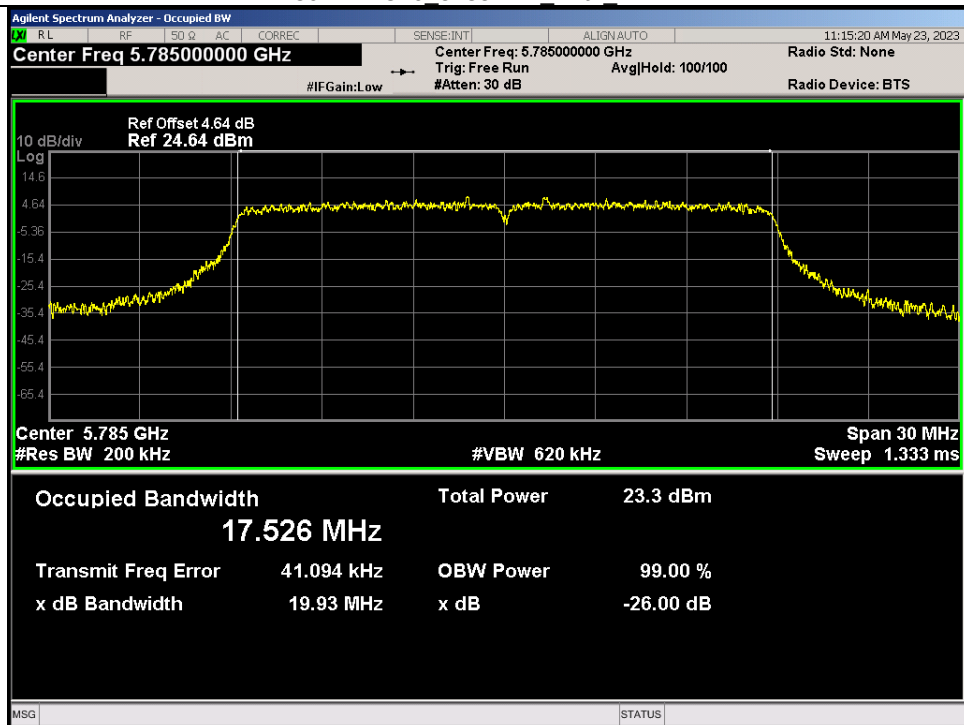
802.11AC20 5700MHz Ant1 NTN



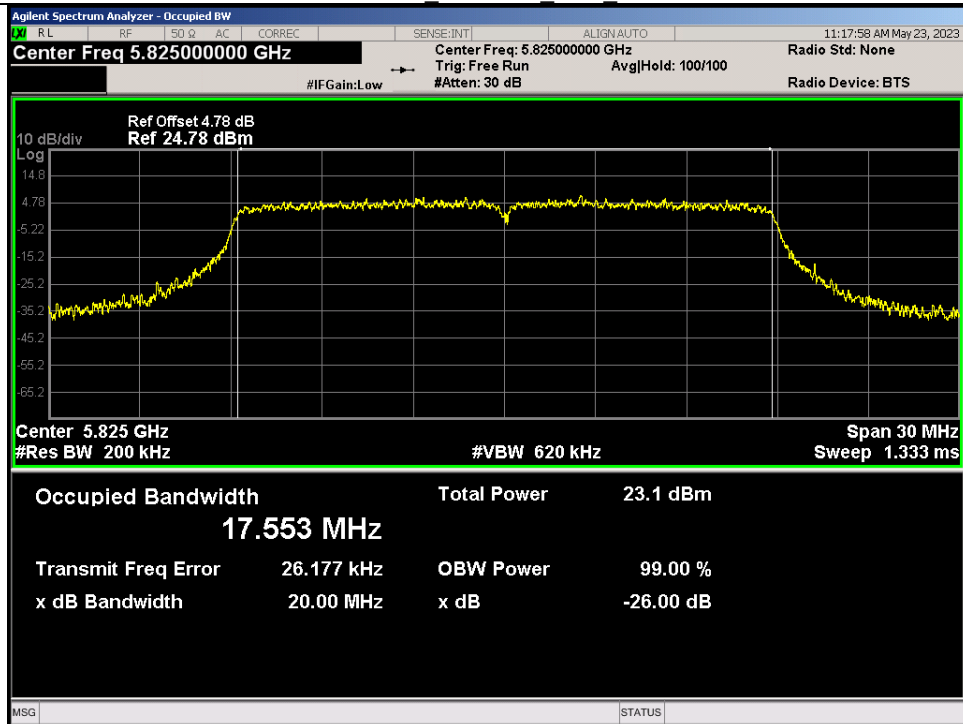
802.11AC20 5745MHz Ant1 NTN



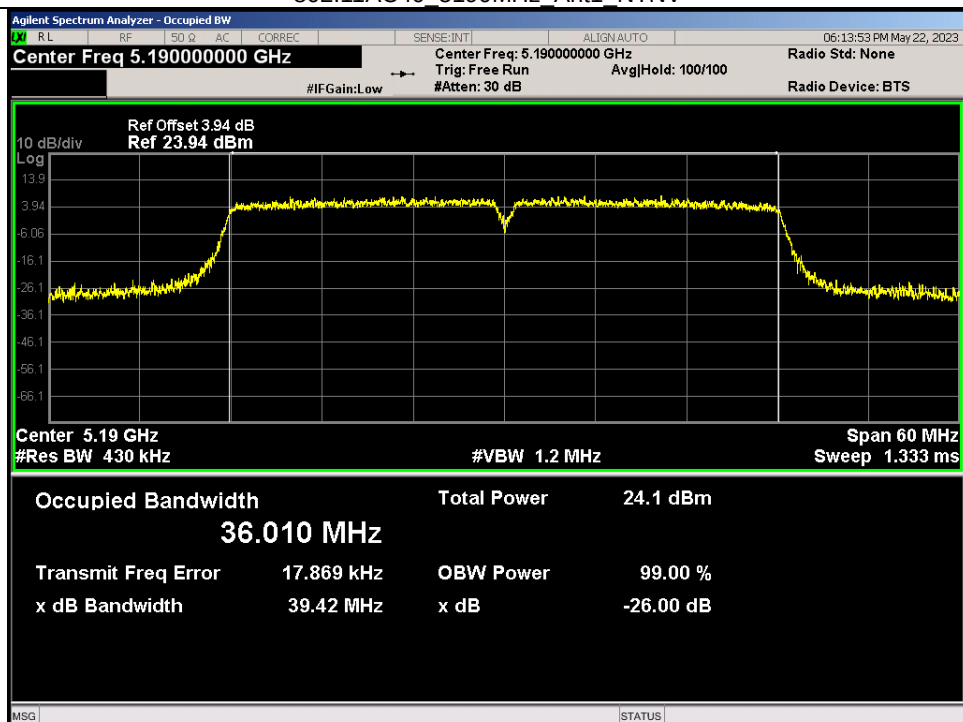
802.11AC20 5785MHz Ant1 NTN



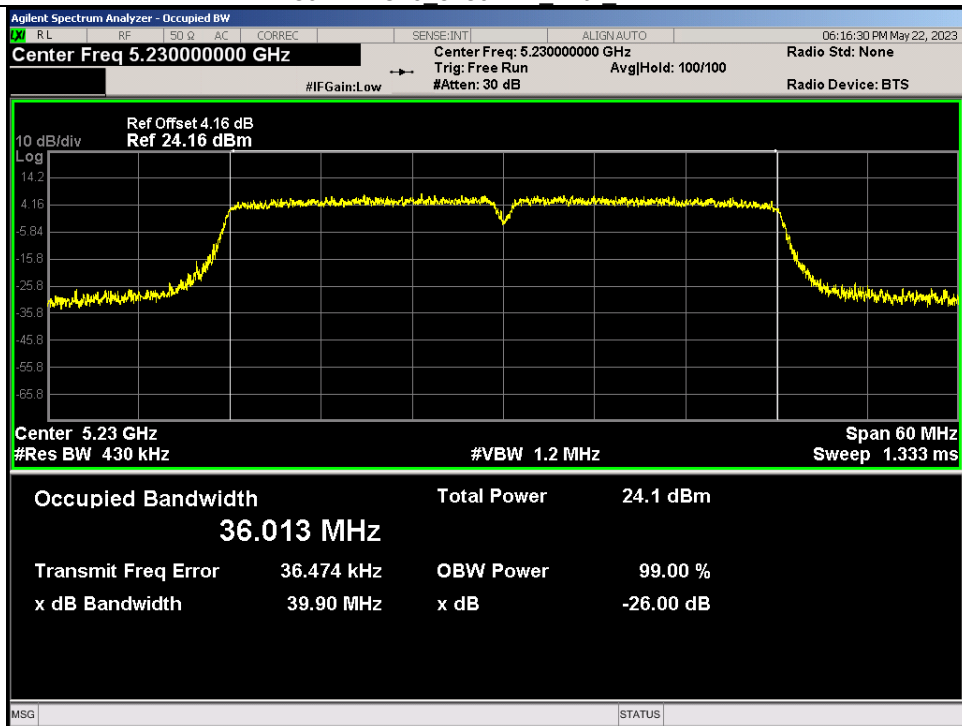
802.11AC20 5825MHz Ant1 NTN



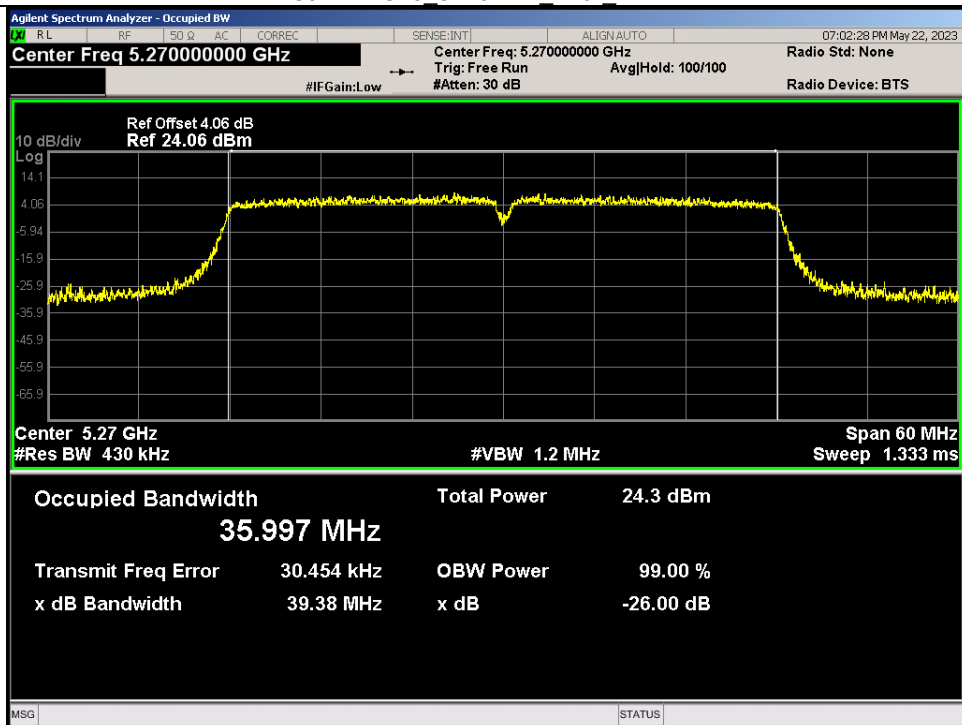
802.11AC40 5190MHz Ant1 NTN



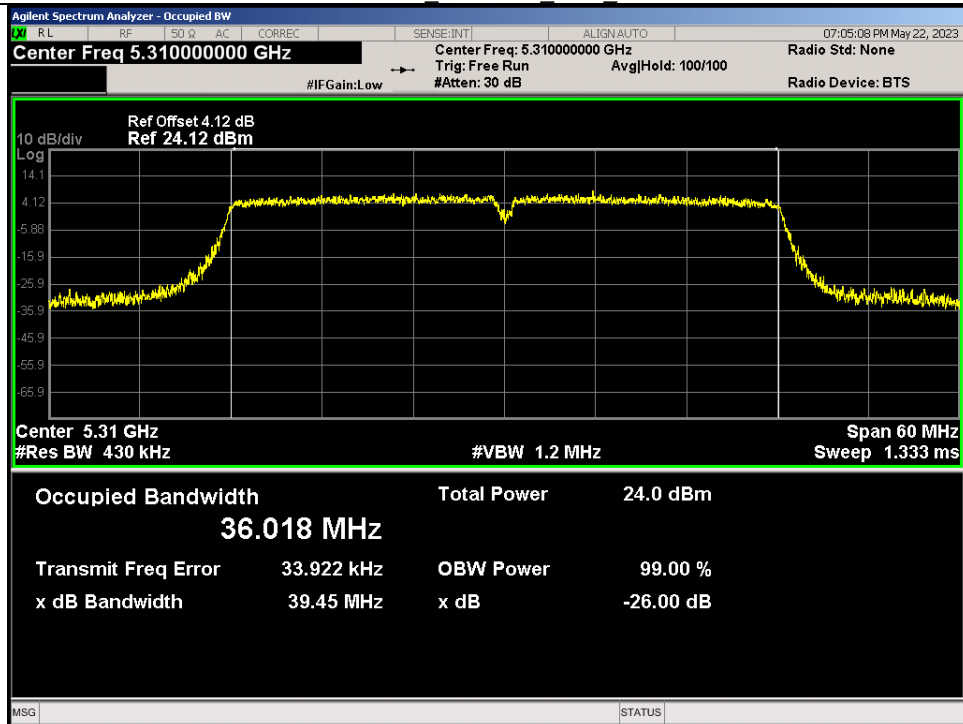
802.11AC40 5230MHz Ant1 NTN



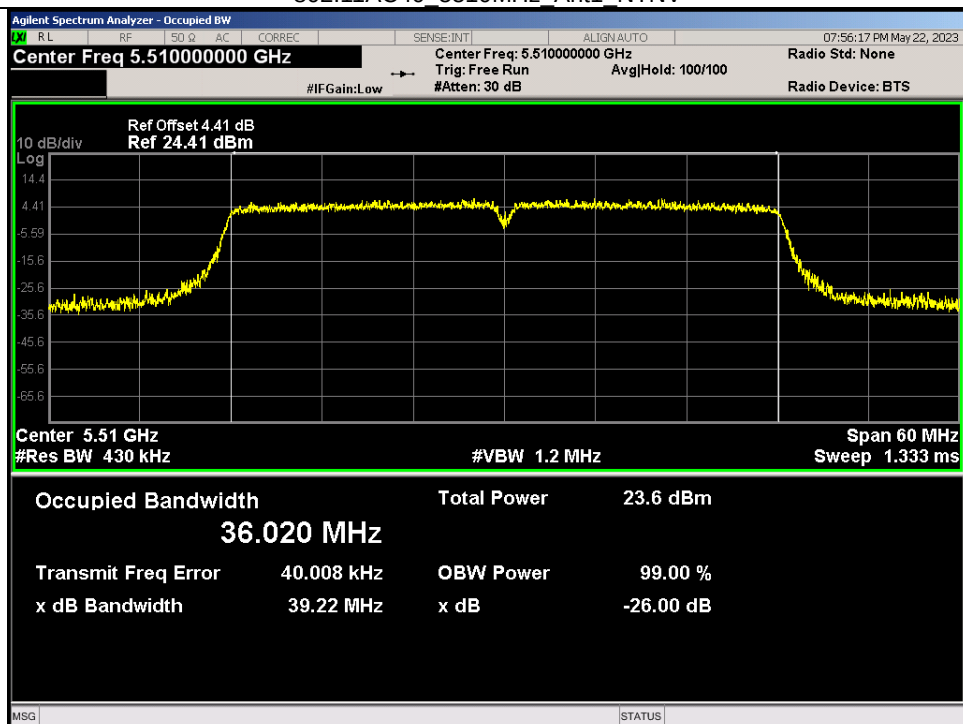
802.11AC40 5270MHz Ant1 NTN



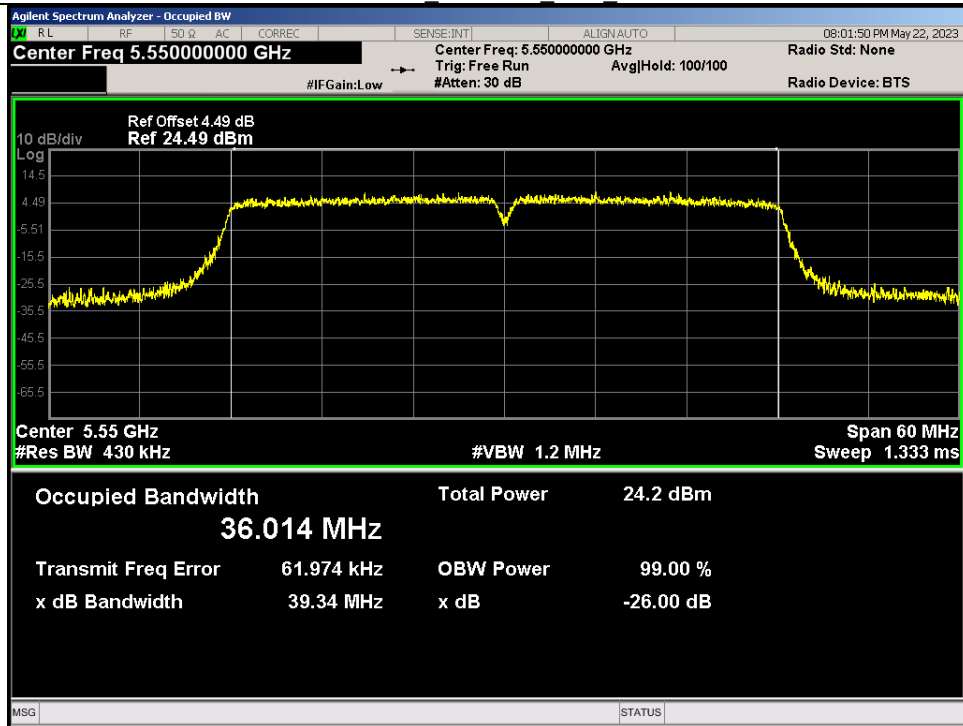
802.11AC40 5310MHz Ant1 NTN



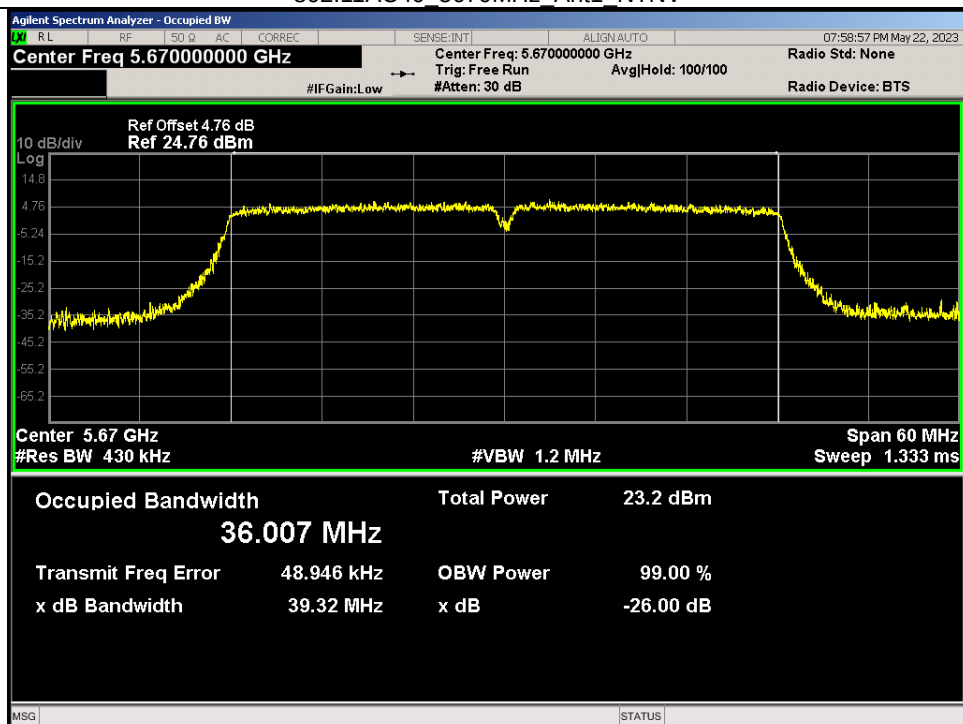
802.11AC40 5510MHz Ant1 NTN



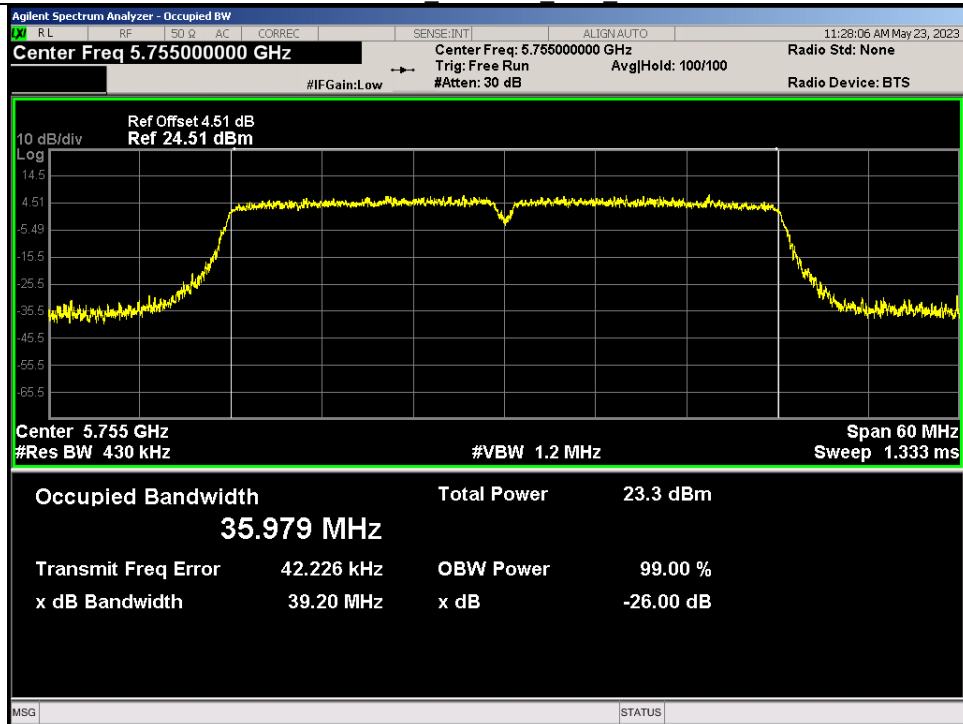
802.11AC40 5550MHz Ant1 NTN



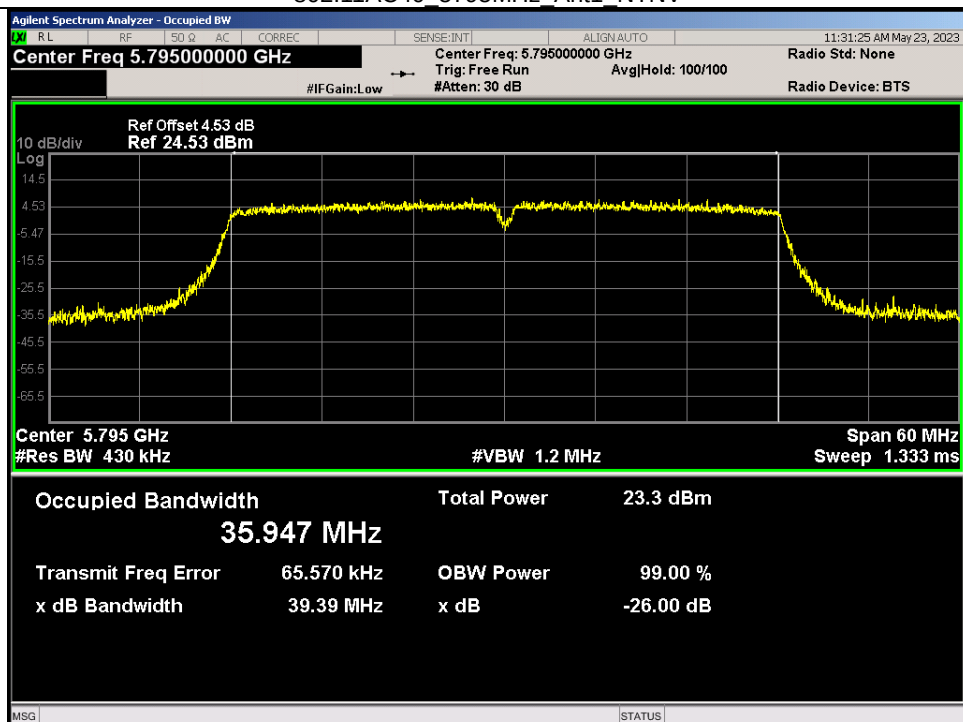
802.11AC40 5670MHz Ant1 NTN



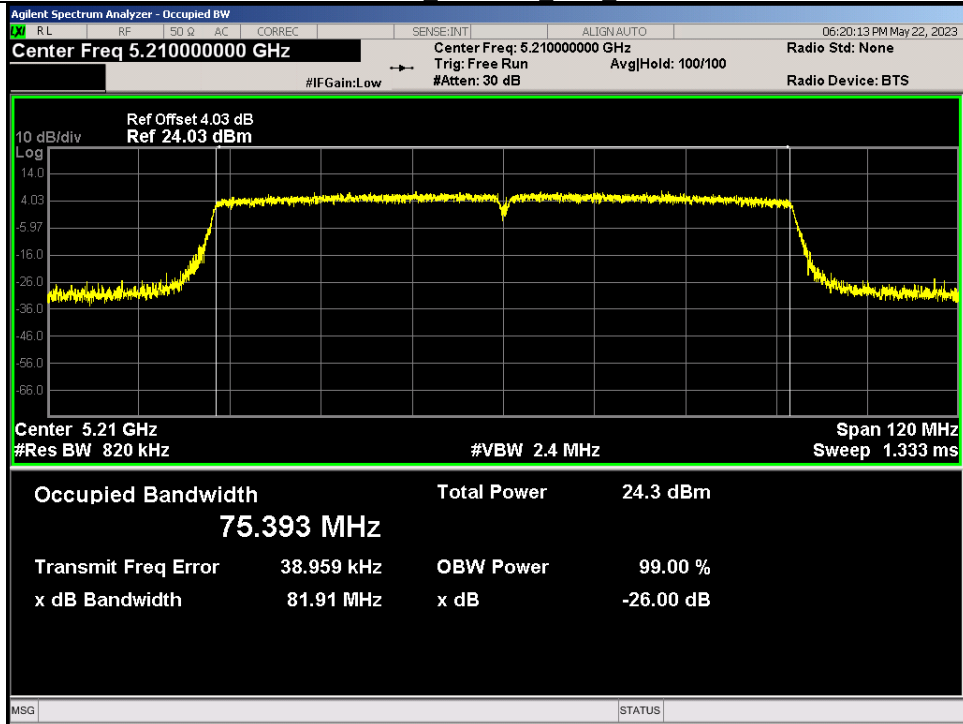
802.11AC40 5755MHz Ant1 NTN



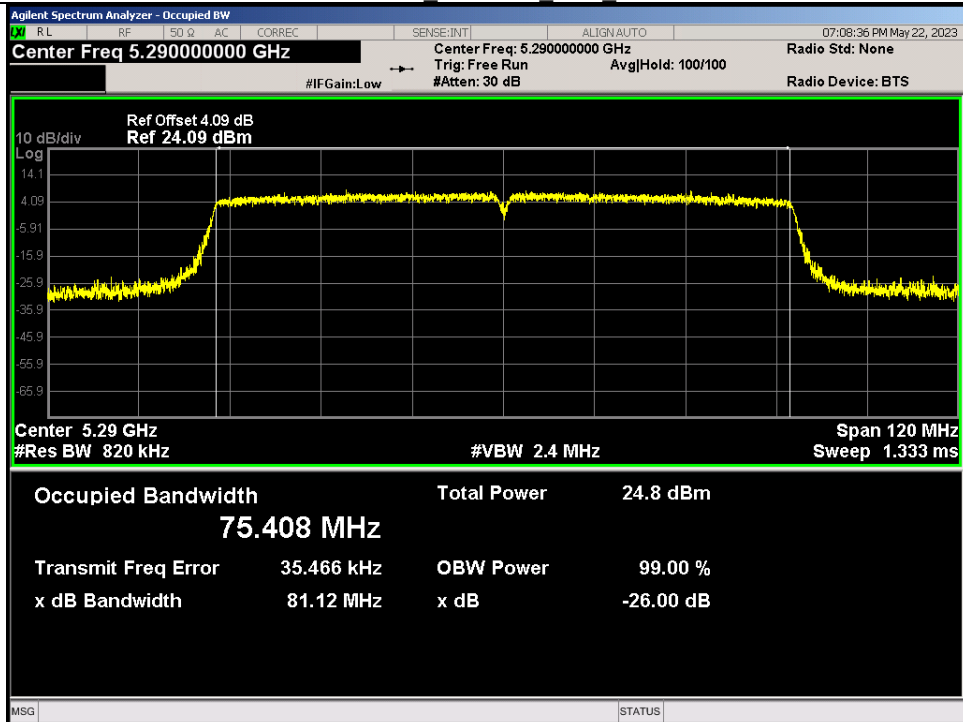
802.11AC40 5795MHz Ant1 NTN



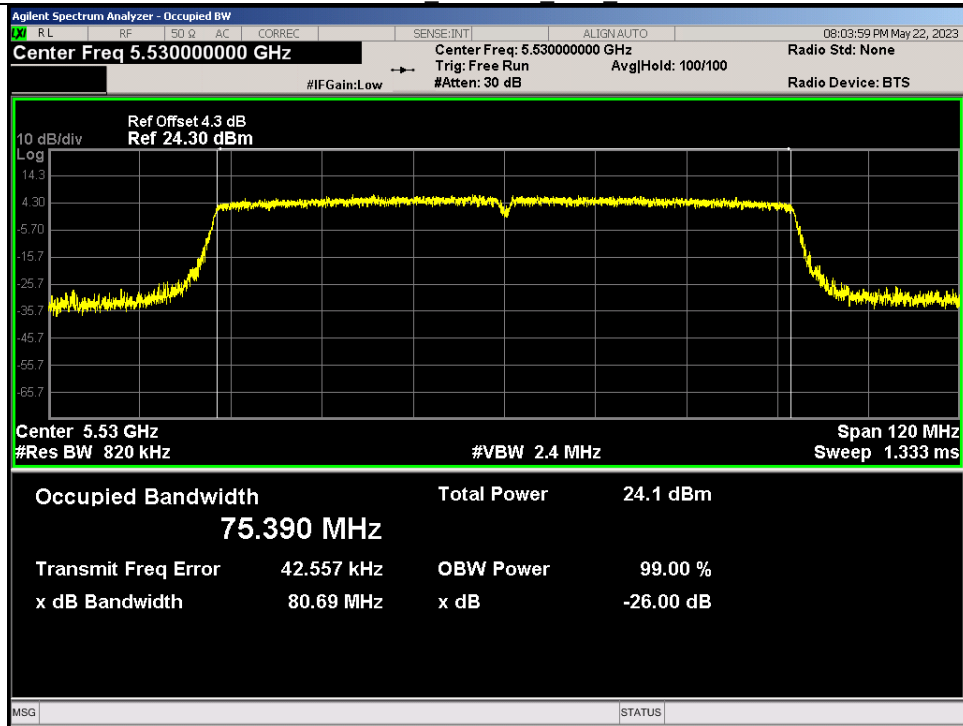
802.11AC80 5210MHz Ant1 NTN



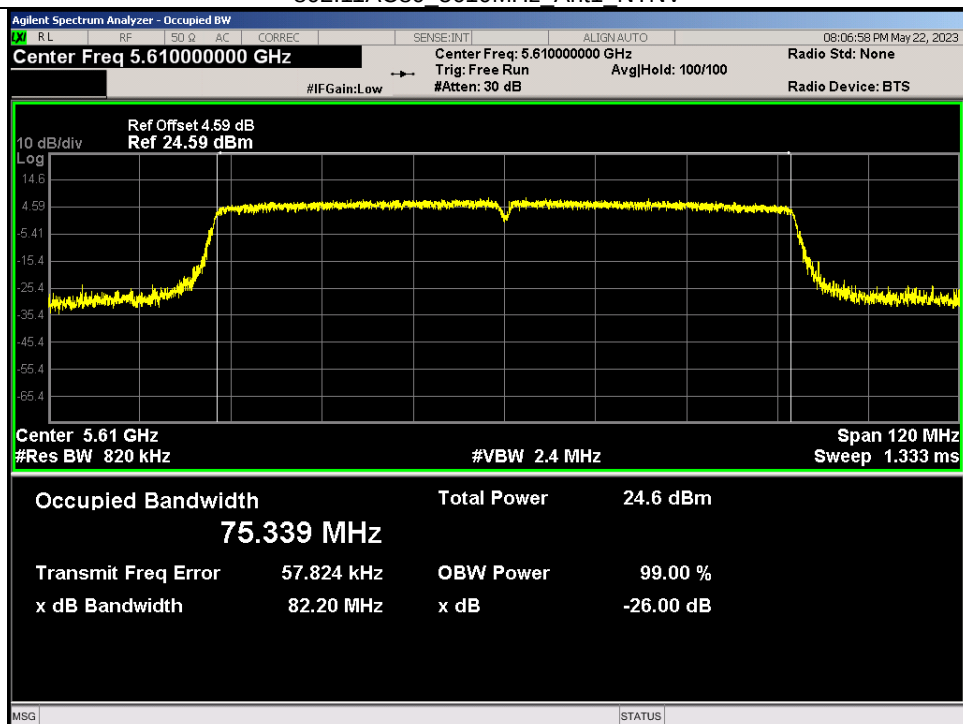
802.11AC80 5290MHz Ant1 NTN



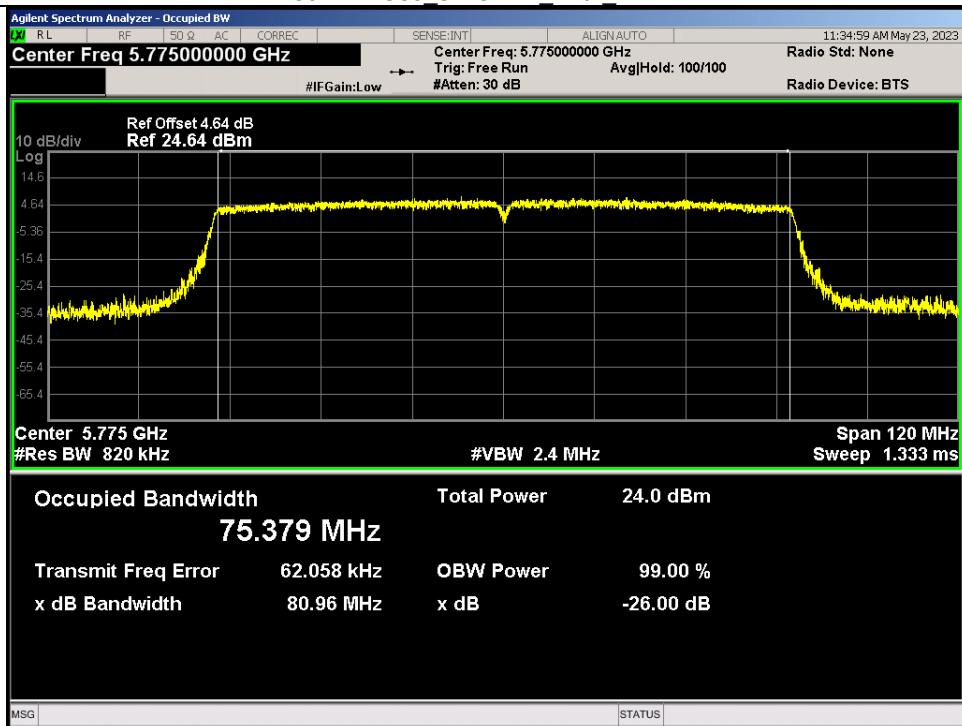
802.11AC80 5530MHz Ant1 NTN



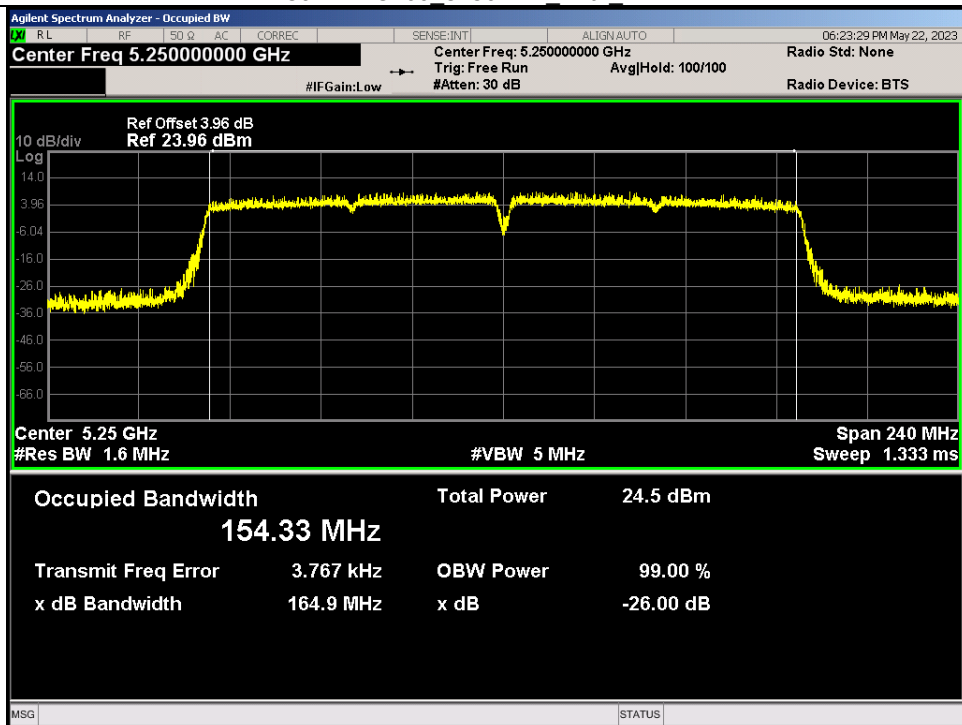
802.11AC80 5610MHz Ant1 NTN

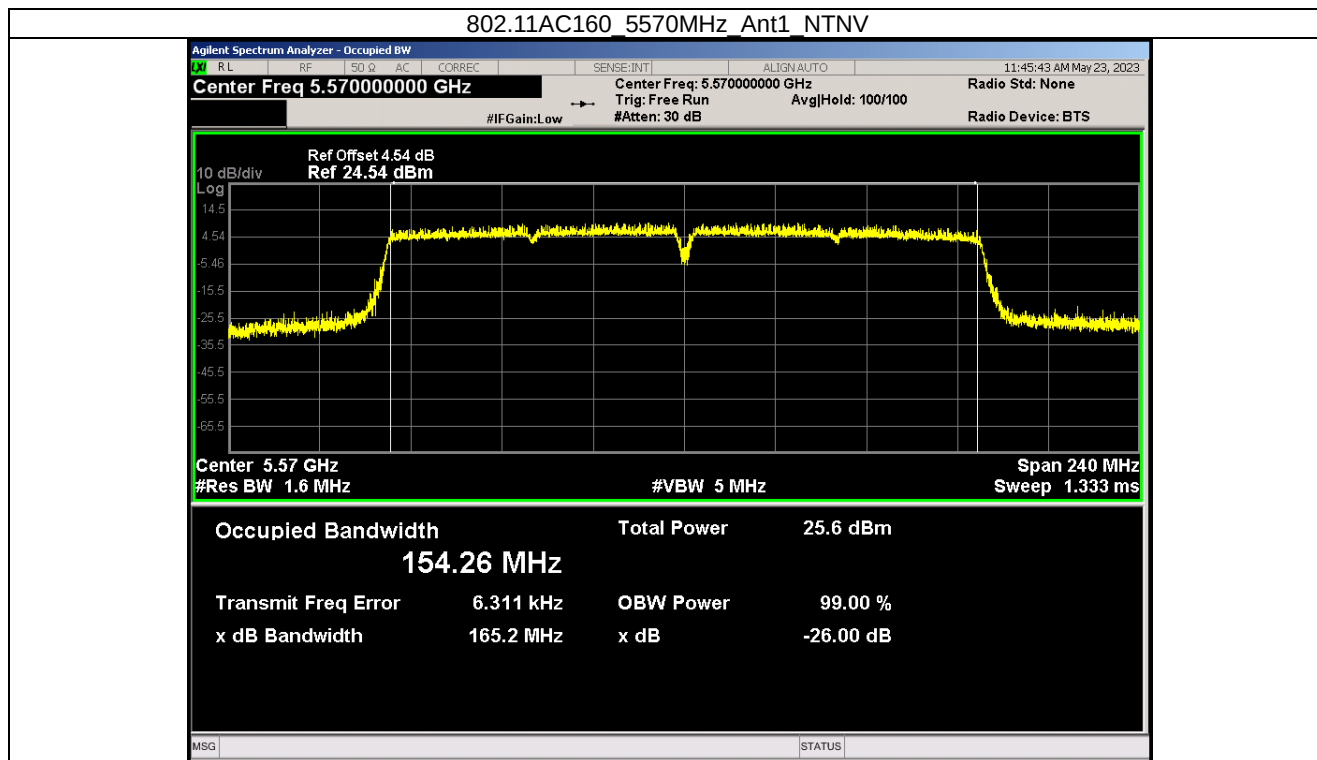


802.11AC80 5775MHz Ant1 NTN



802.11AC160 5250MHz Ant1 NTN



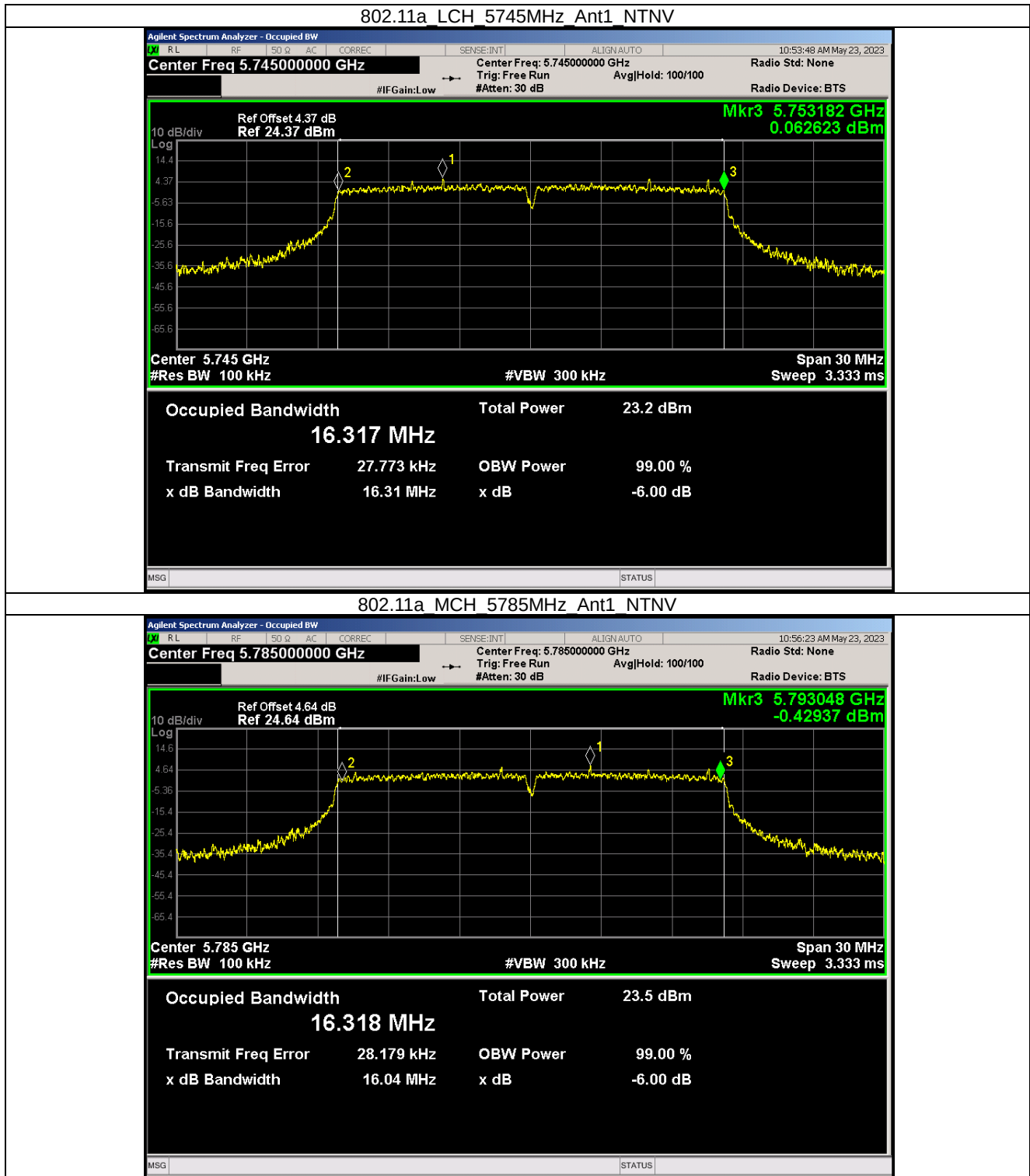


2.2 6dB BW

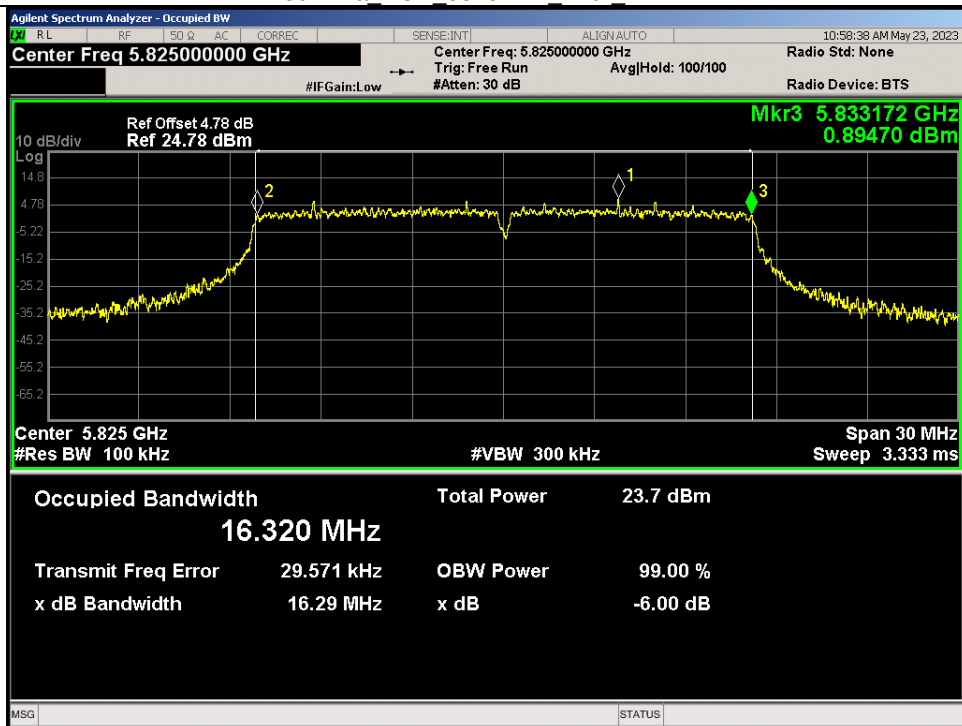
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
802.11a	SISO	5745	1	16.31	≥ 0.5	Pass
		5785	1	16.04	≥ 0.5	Pass
		5825	1	16.29	≥ 0.5	Pass
802.11n (HT20)	SISO	5745	1	16.80	≥ 0.5	Pass
		5785	1	16.80	≥ 0.5	Pass
		5825	1	17.54	≥ 0.5	Pass
802.11n (HT40)	SISO	5755	1	35.43	≥ 0.5	Pass
		5795	1	36.29	≥ 0.5	Pass
11AC20	SISO	5745	1	17.54	≥ 0.5	Pass
		5785	1	17.30	≥ 0.5	Pass
		5825	1	17.52	≥ 0.5	Pass
11AC40	SISO	5755	1	35.26	≥ 0.5	Pass
		5795	1	35.40	≥ 0.5	Pass
11AC80	SISO	5775	1	75.30	≥ 0.5	Pass

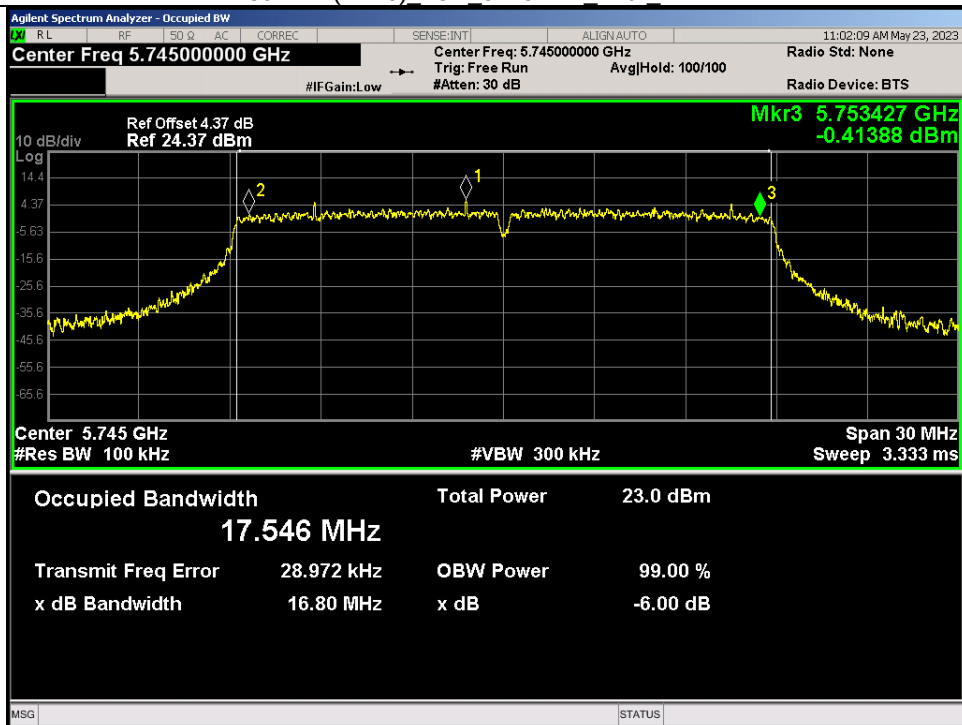
2.2.2 Test Graph



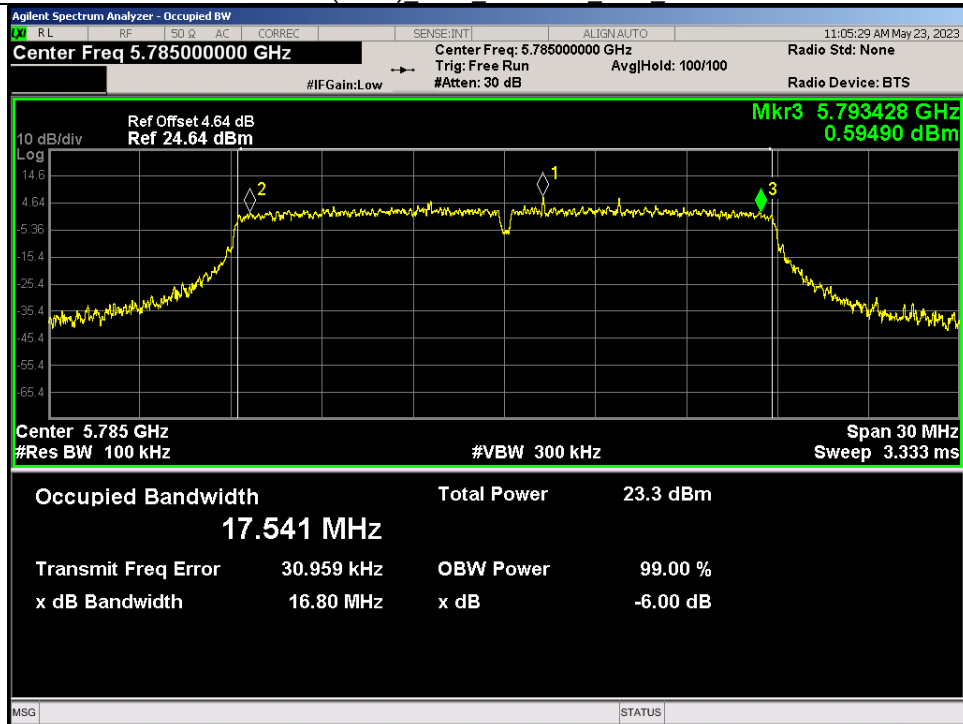
802.11a HCH 5825MHz Ant1 NTN



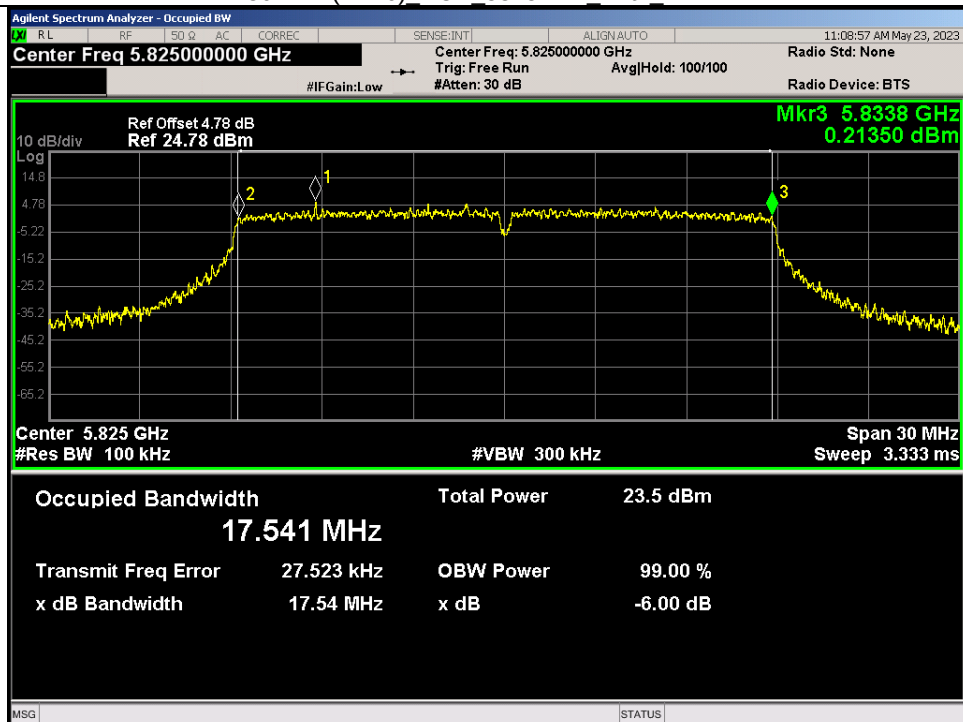
802.11n(HT20) LCH 5745MHz Ant1 NTN



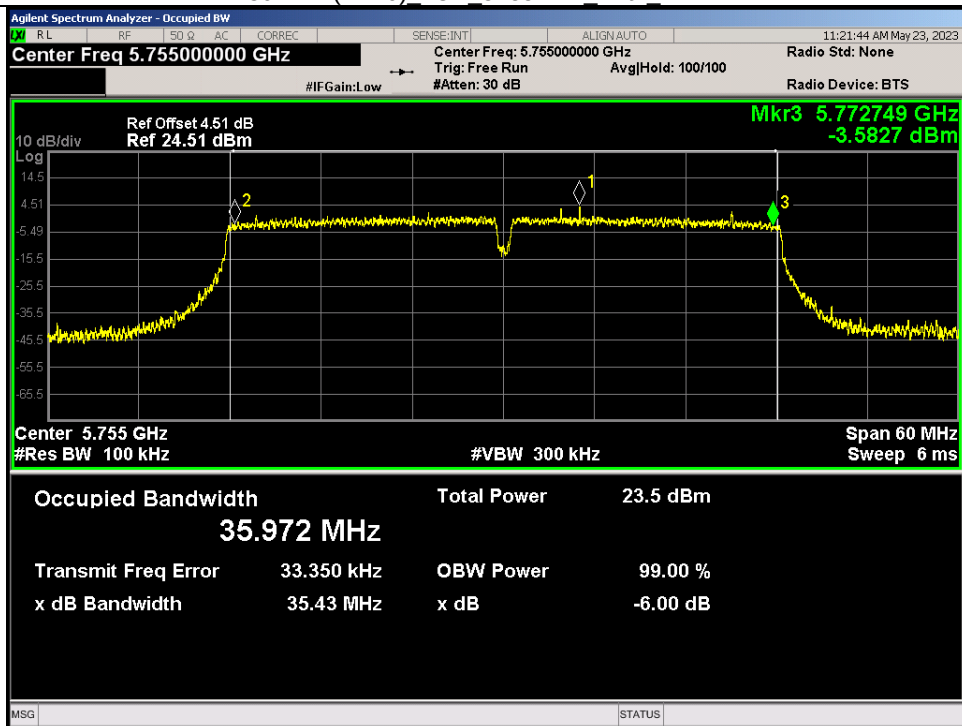
802.11n(HT20) MCH 5785MHz Ant1 NTN



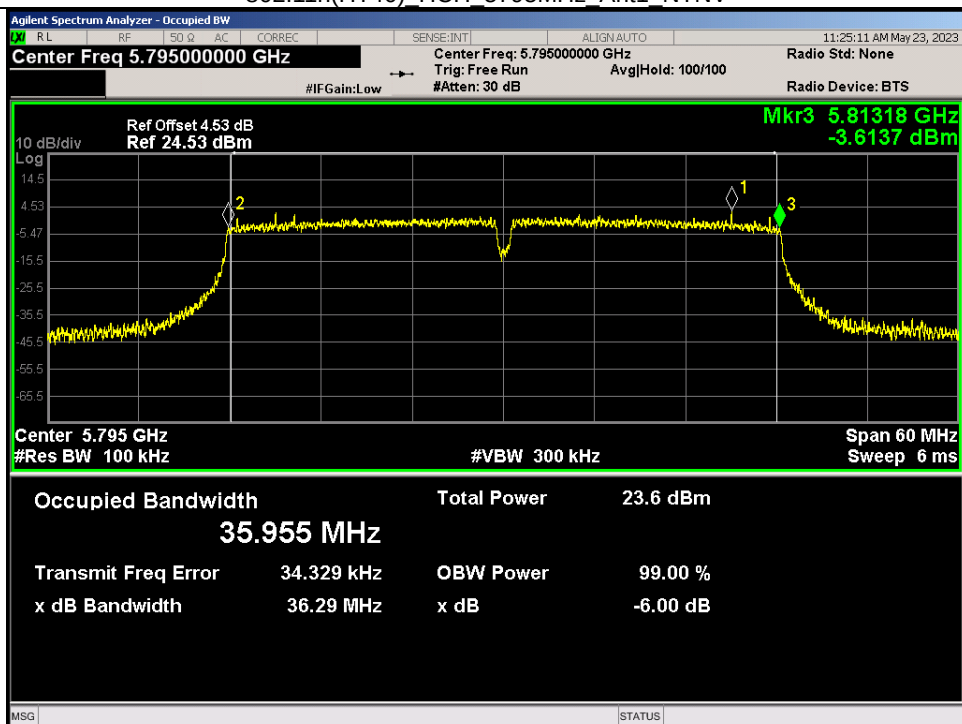
802.11n(HT20) HCH 5825MHz Ant1 NTN



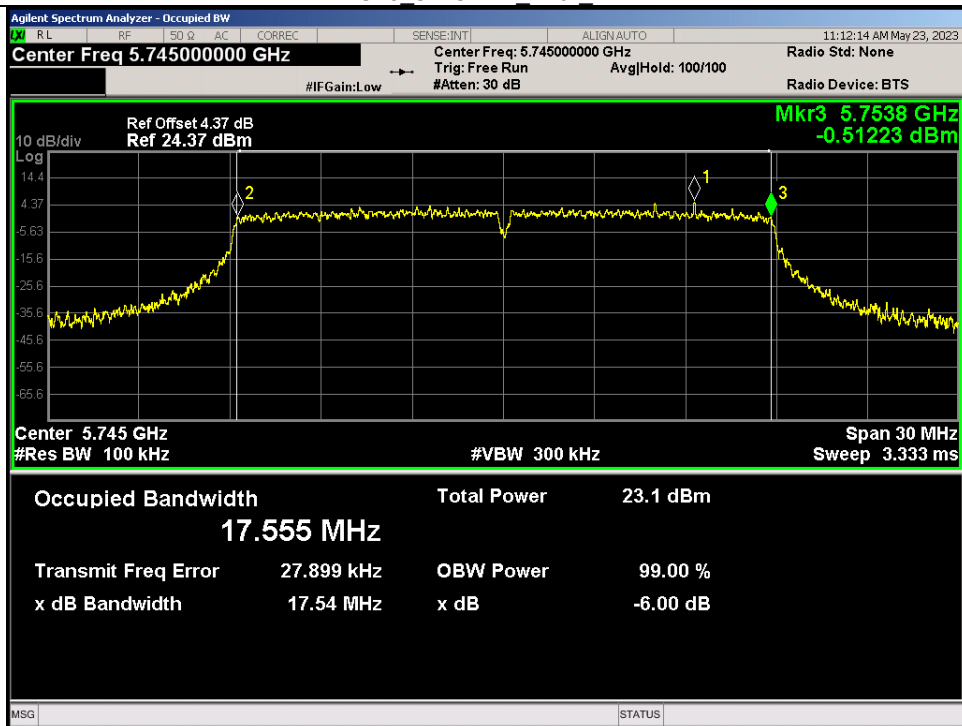
802.11n(HT40) LCH 5755MHz Ant1 NTN



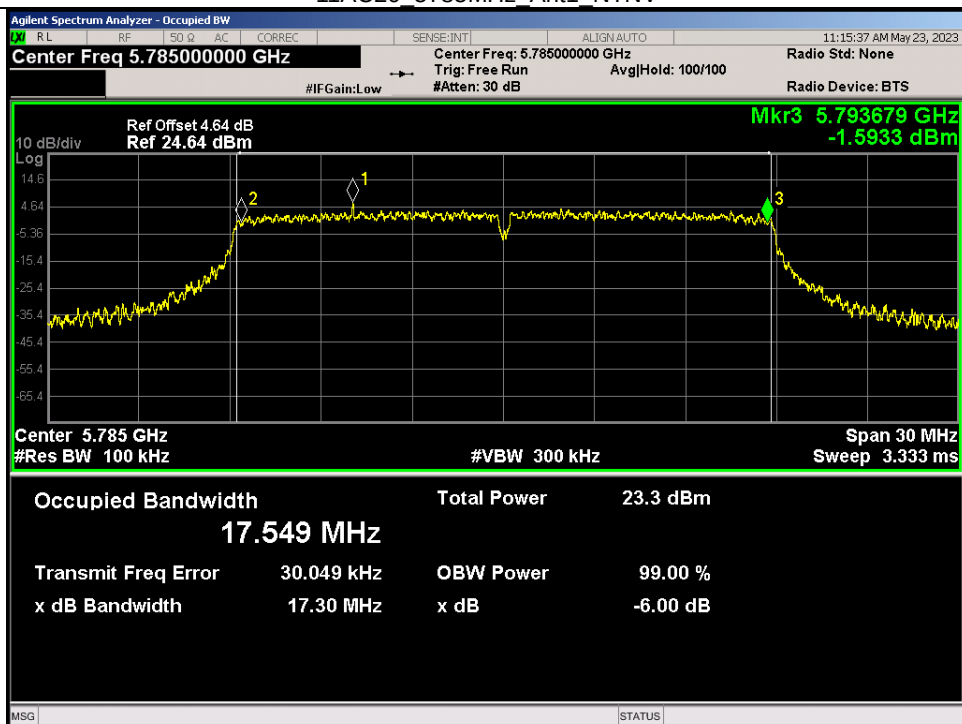
802.11n(HT40) HCH 5795MHz Ant1 NTN



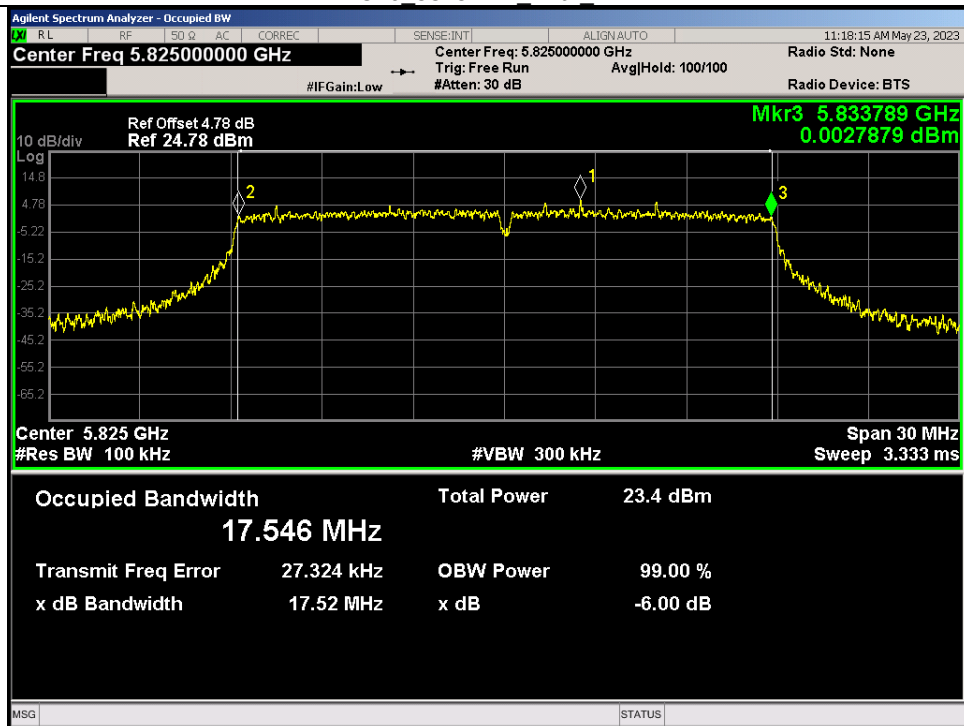
11AC20 5745MHz Ant1 NTN



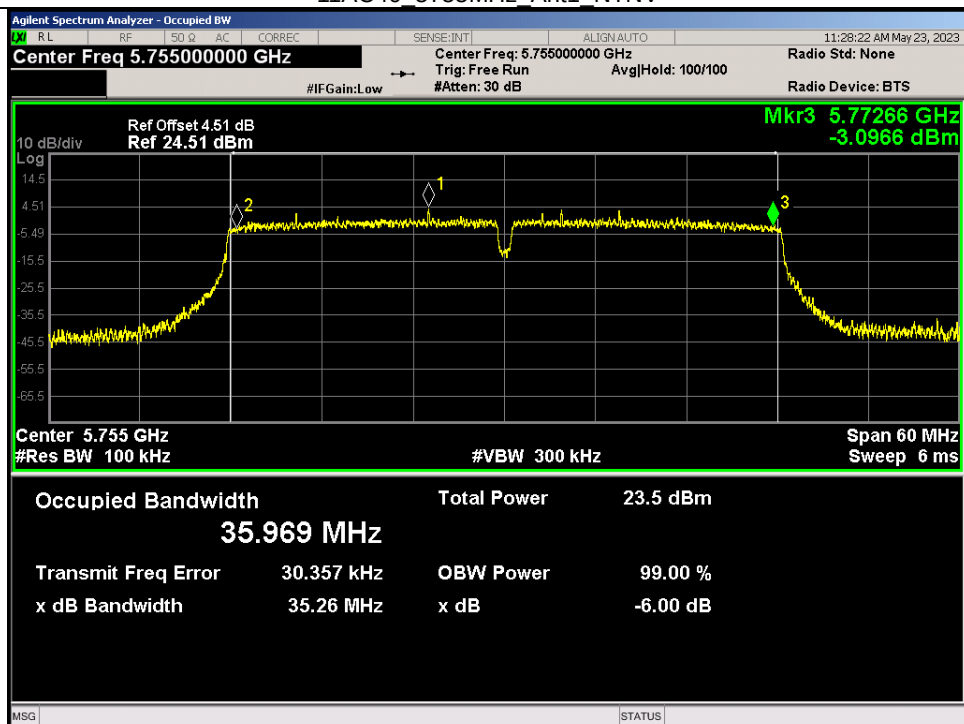
11AC20 5785MHz Ant1 NTN



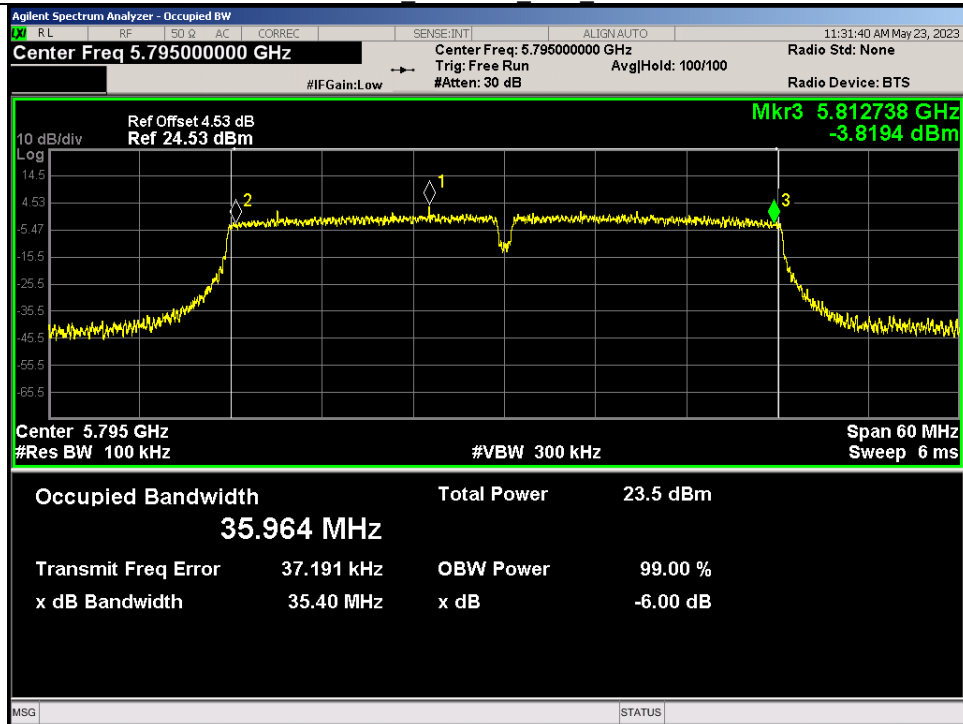
11AC20 5825MHz Ant1 NTN



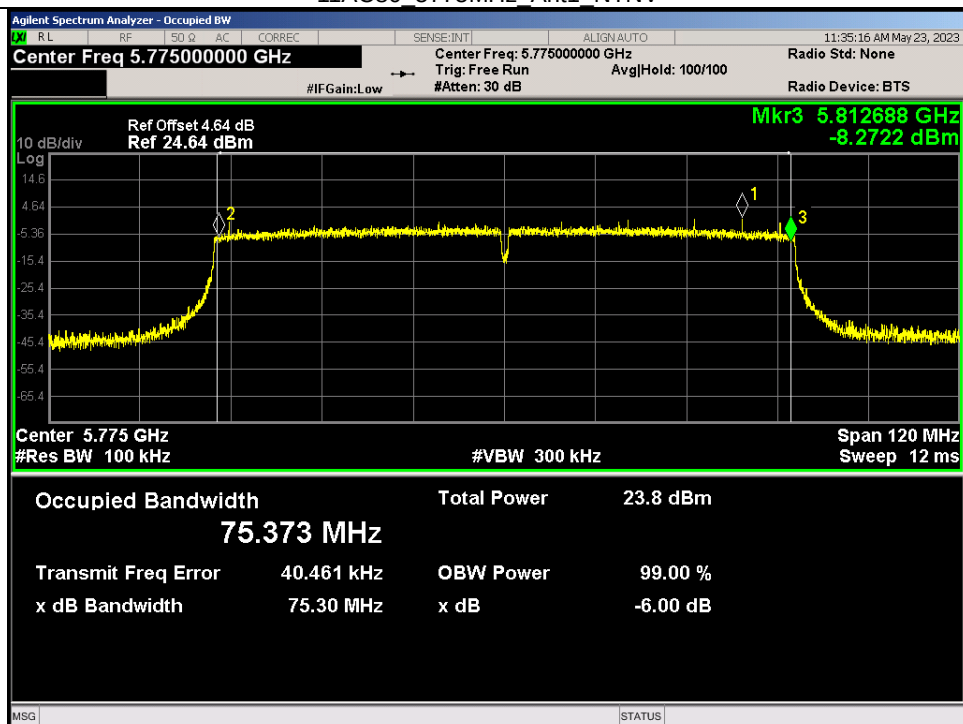
11AC40 5755MHz Ant1 NTN



11AC40 5795MHz Ant1 NTN



11AC80 5775MHz Ant1 NTN



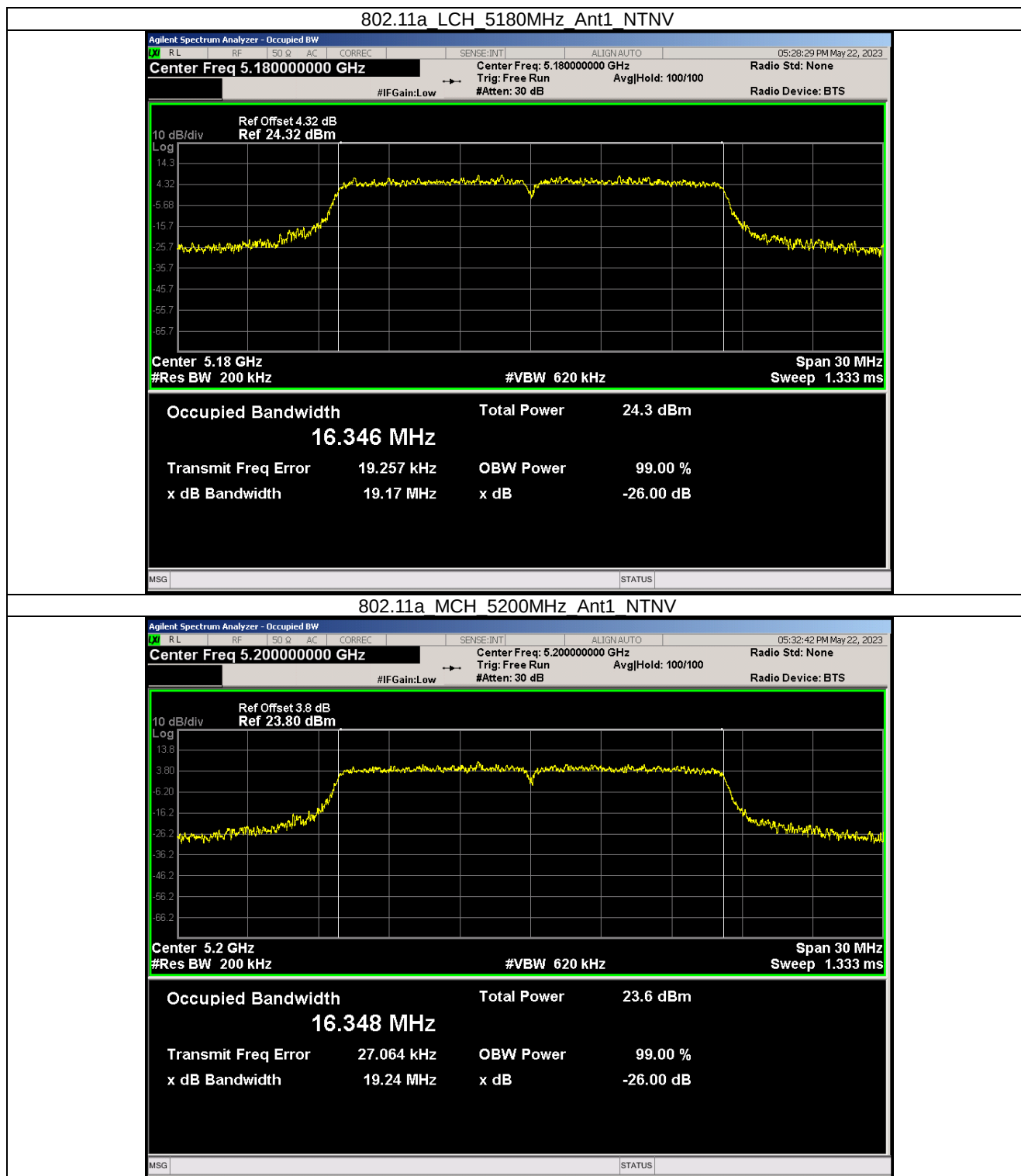
2.3 26dB BW

2.3.1 Test Result

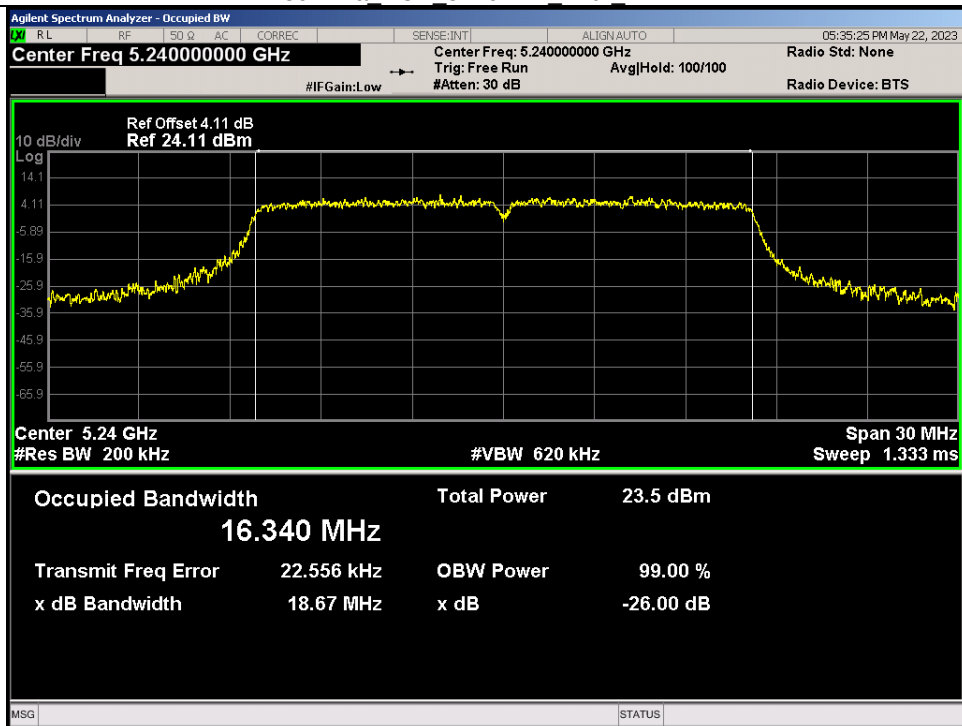
Mode	TX Type	Frequency (MHz)	ANT	26dB Occupied Bandwidth (MHz)	Verdict
				Result	
802.11a	SISO	5180	1	19.17	--
		5200	1	19.24	--
		5240	1	18.67	--
		5260	1	19.04	--
		5300	1	18.99	--
		5320	1	18.67	--
		5500	1	19.44	--
		5580	1	19.40	--
		5700	1	18.55	--
		5745	1	18.77	--
		5785	1	18.75	--
802.11n (HT20)	SISO	5825	1	18.75	--
		5180	1	20.39	--
		5200	1	19.78	--
		5240	1	20.02	--
		5260	1	20.13	--
		5300	1	20.00	--
		5320	1	19.72	--
		5500	1	19.78	--
		5580	1	20.11	--
		5700	1	19.67	--
		5745	1	19.90	--
802.11n (HT40)	SISO	5785	1	20.16	--
		5825	1	19.55	--
		5190	1	39.63	--
		5230	1	39.58	--
		5270	1	39.37	--
		5310	1	39.30	--
		5510	1	39.34	--
		5550	1	39.42	--
11AC20	SISO	5670	1	39.65	--
		5755	1	39.30	--
		5795	1	39.21	--
		5180	1	19.87	--
		5200	1	20.69	--
		5240	1	19.81	--
		5260	1	20.38	--
		5300	1	20.25	--
		5320	1	19.95	--
		5500	1	19.71	--
		5580	1	20.39	--
11AC40	SISO	5700	1	20.28	--
		5745	1	19.73	--
		5785	1	19.73	--
		5825	1	20.00	--
		5190	1	39.42	--
		5230	1	39.90	--
		5270	1	39.38	--
	SISO	5310	1	39.45	--
		5510	1	39.22	--
		5550	1	39.34	--

		5670	1	39.32	--
		5755	1	39.20	--
		5795	1	39.39	--
11AC80	SISO	5210	1	81.91	--
		5290	1	81.12	--
		5530	1	80.69	--
		5610	1	82.20	--
		5775	1	80.96	--
		5250	1	164.90	--
11AC160	SISO	5250 UNII-1	1	82.78	--
		5250 UNII-2A	1	82.12	--
		5570	1	165.20	--

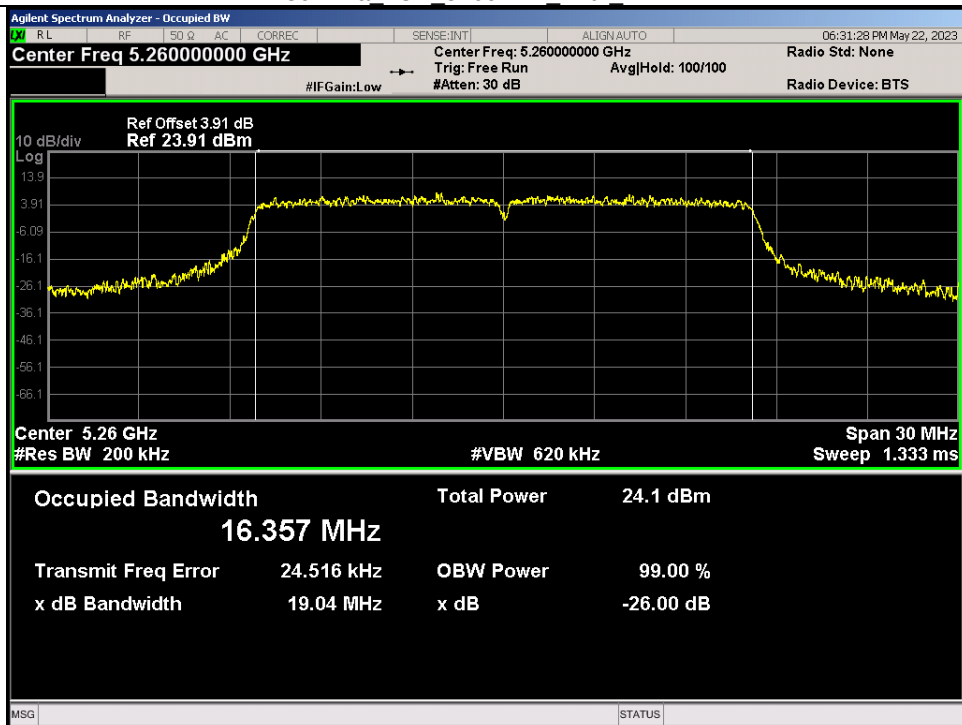
2.3.2 Test Graph

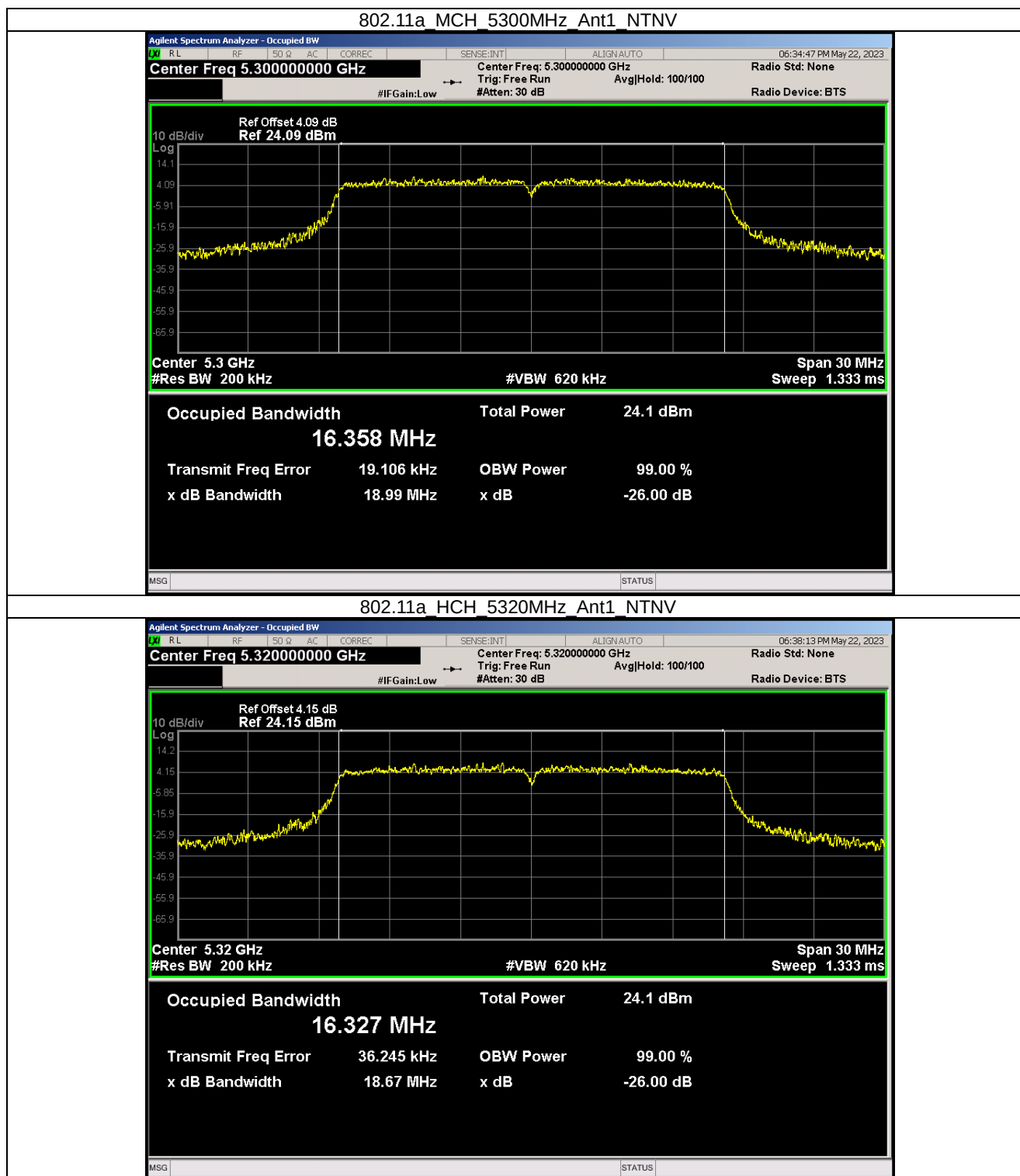


802.11a HCH 5240MHz Ant1 NTN

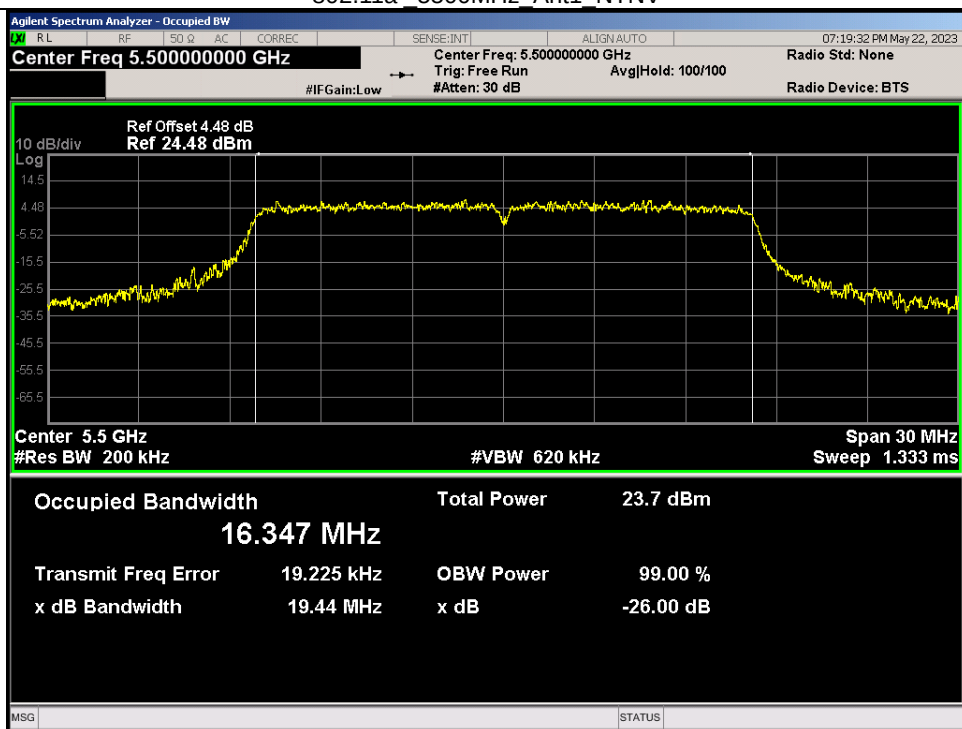


802.11a LCH 5260MHz Ant1 NTN

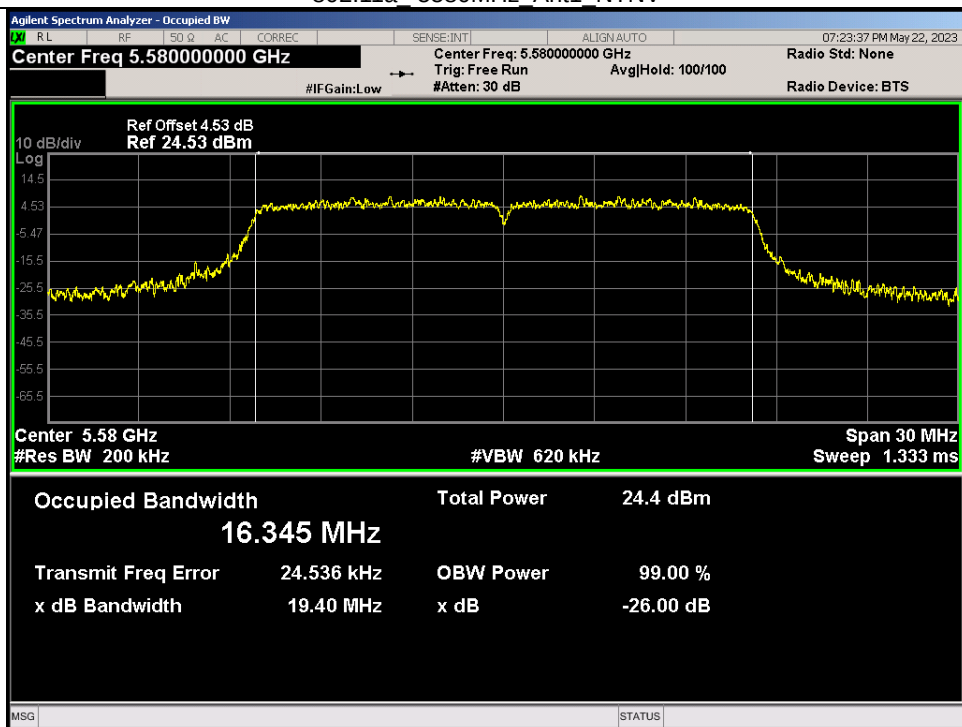




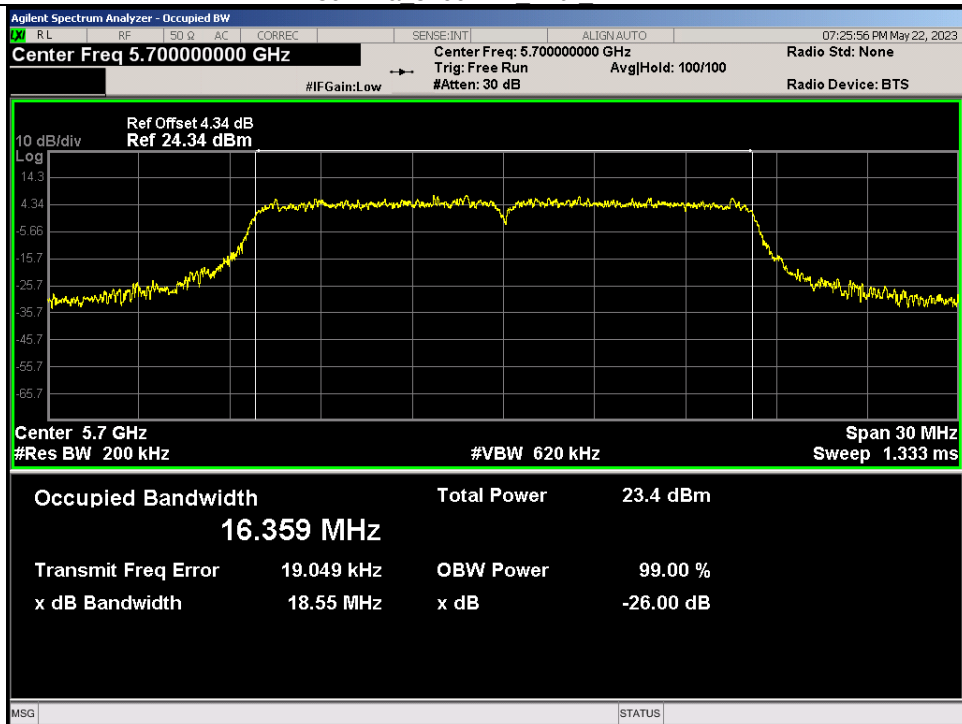
802.11a 5500MHz Ant1 NTN



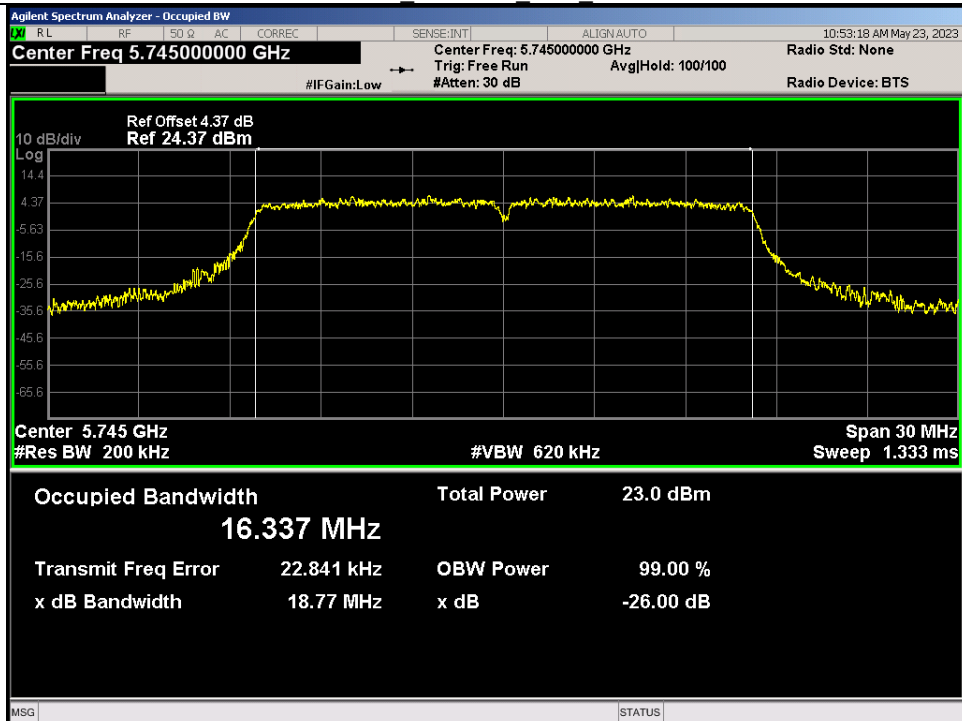
802.11a 5580MHz Ant1 NTN



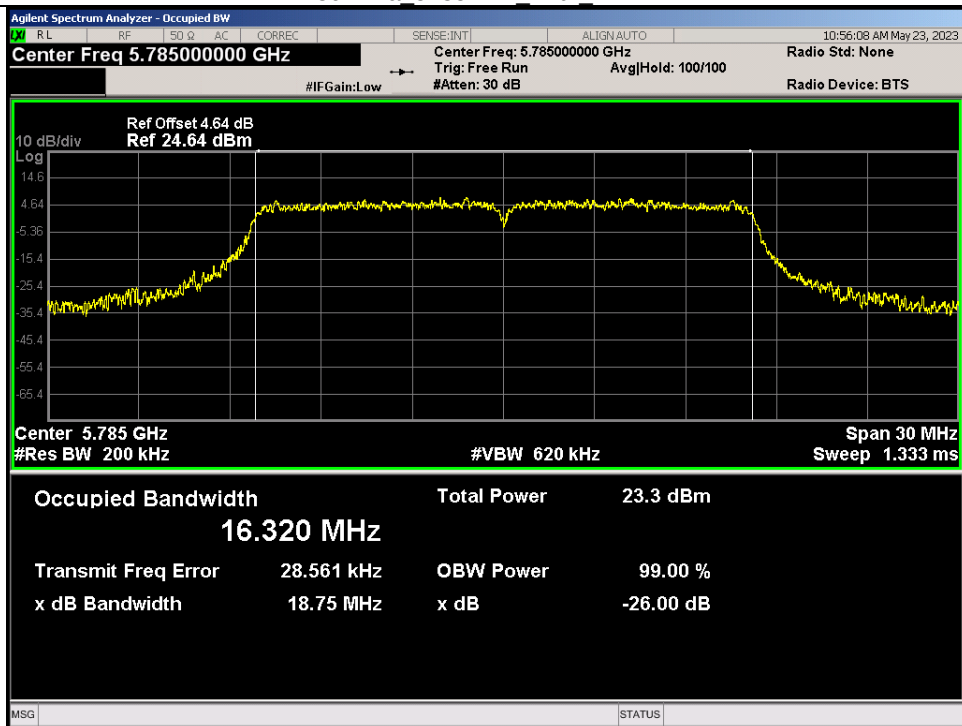
802.11a 5700MHz Ant1 NTNV



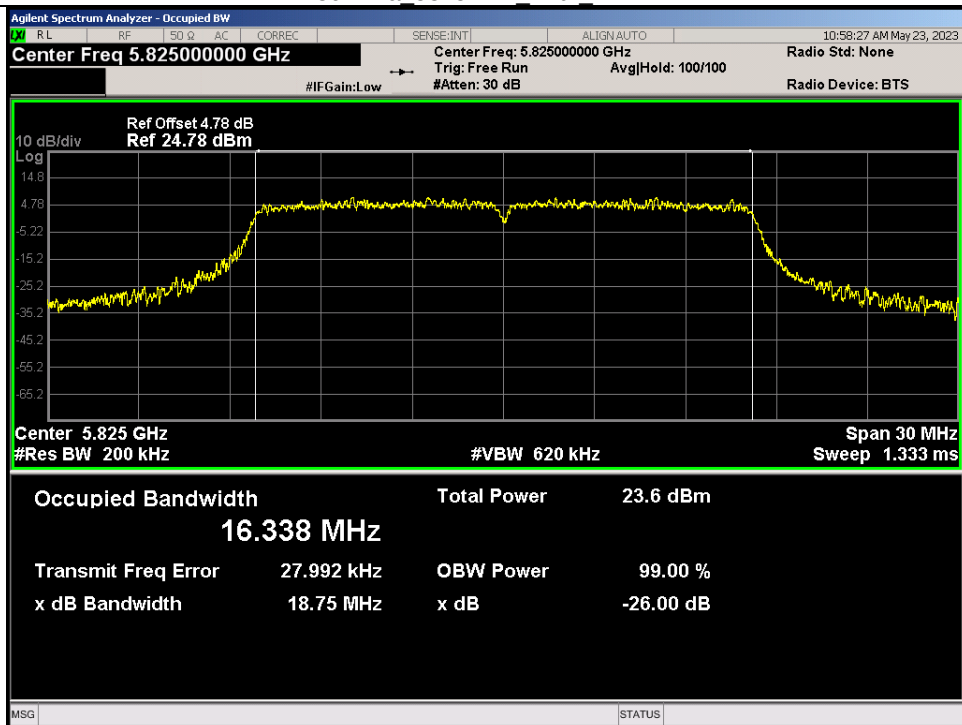
802.11a 5745MHz Ant1 NTNV



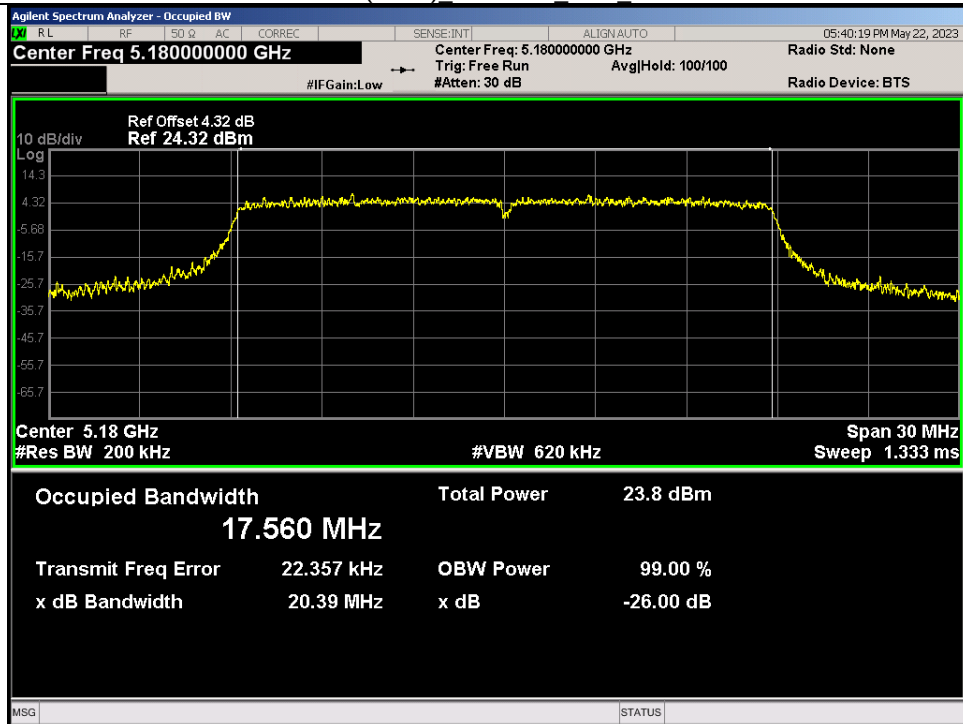
802.11a 5785MHz Ant1 NTNV



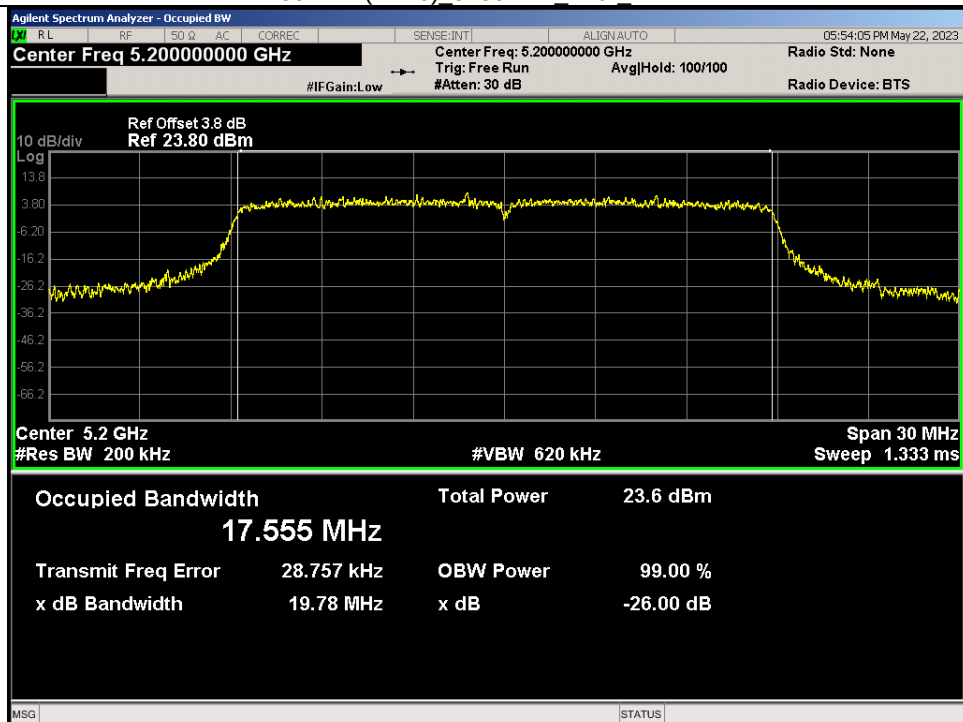
802.11a 5825MHz Ant1 NTNV



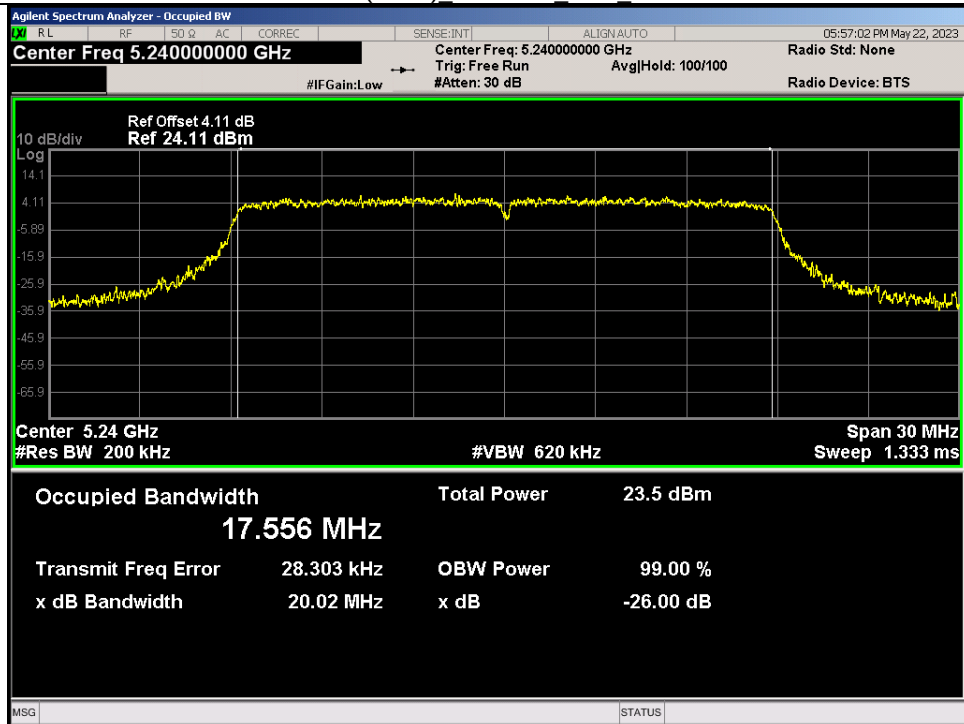
802.11n(HT20) 5180MHz Ant1 NTN



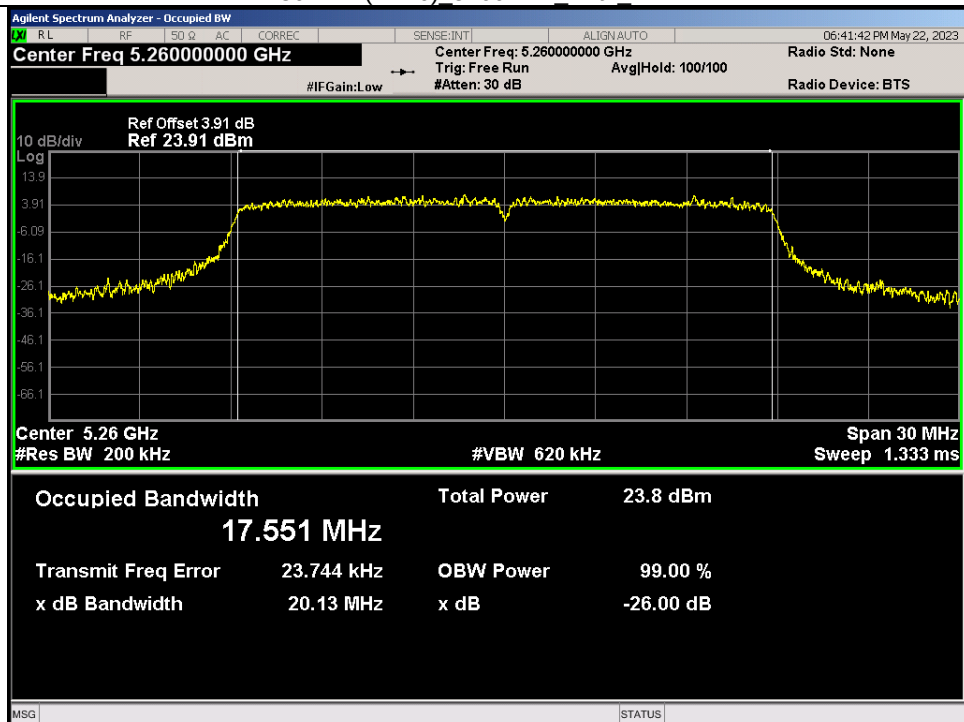
802.11n(HT20) 5200MHz Ant1 NTN



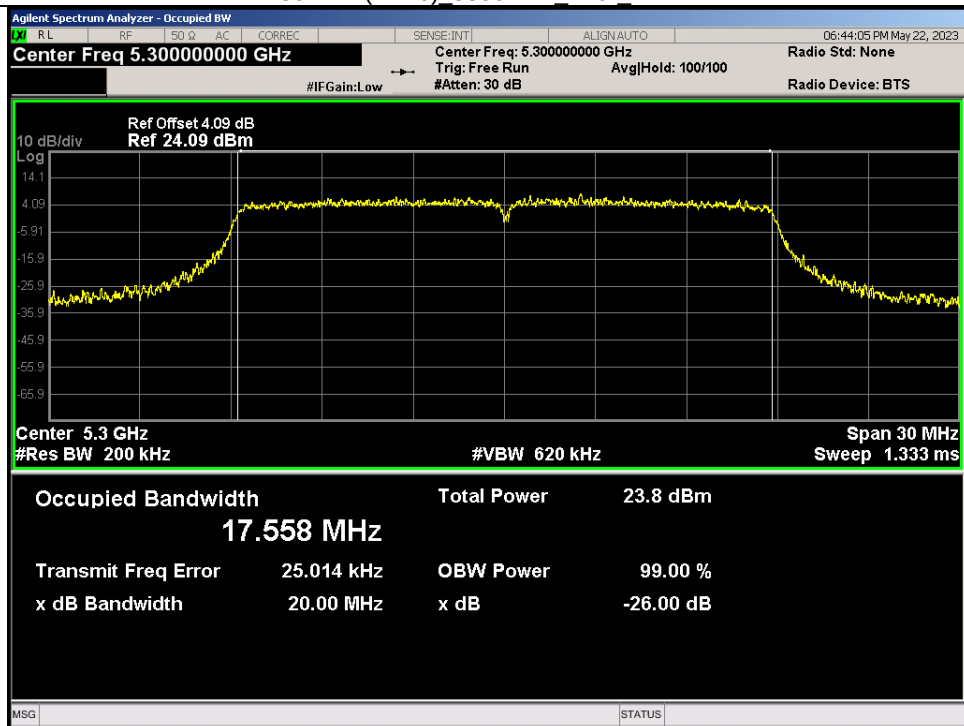
802.11n(HT20) 5240MHz Ant1 NTN



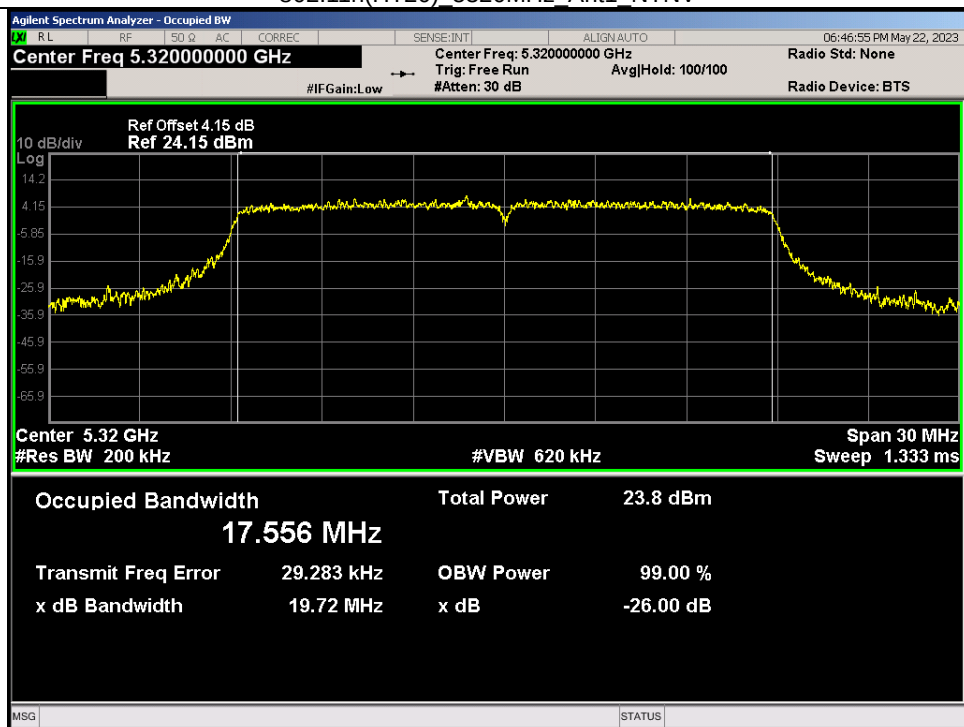
802.11n(HT20) 5260MHz Ant1 NTN



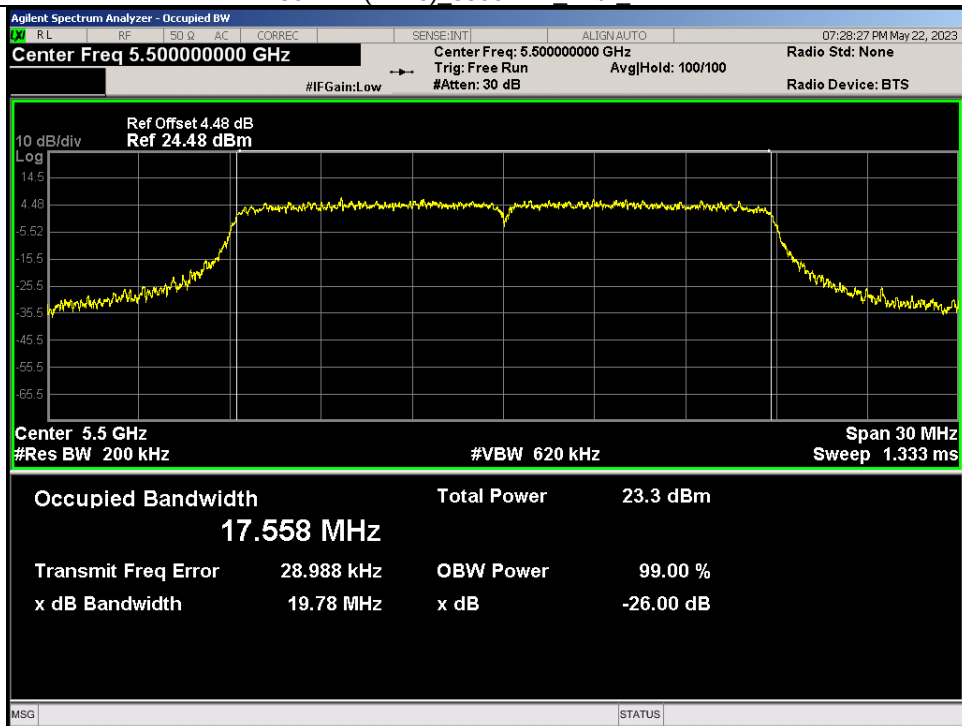
802.11n(HT20) 5300MHz Ant1 NTN



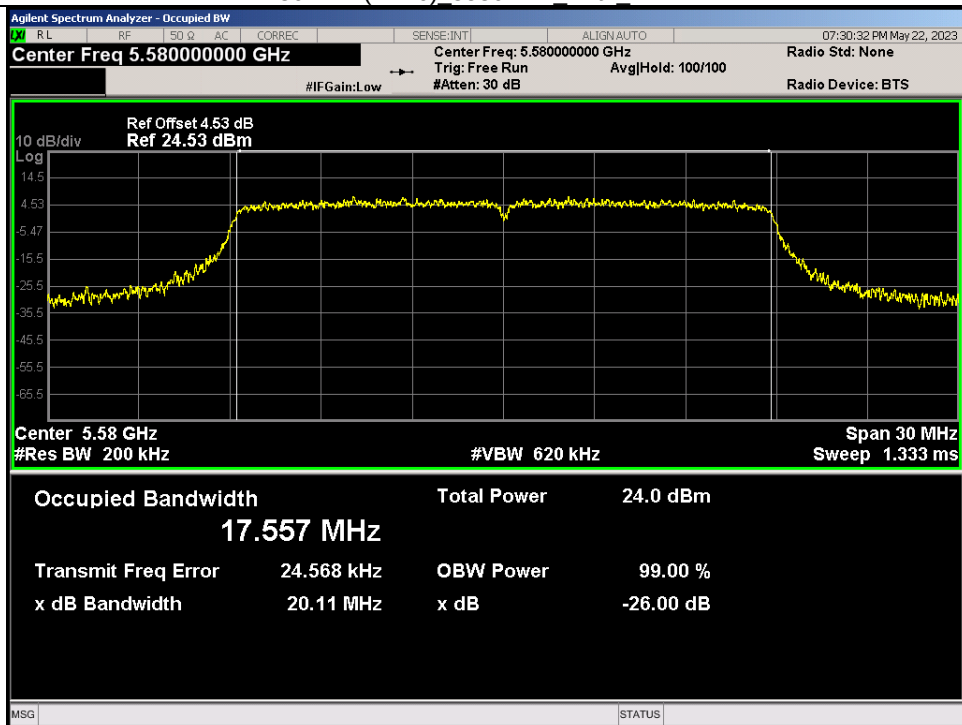
802.11n(HT20) 5320MHz Ant1 NTN

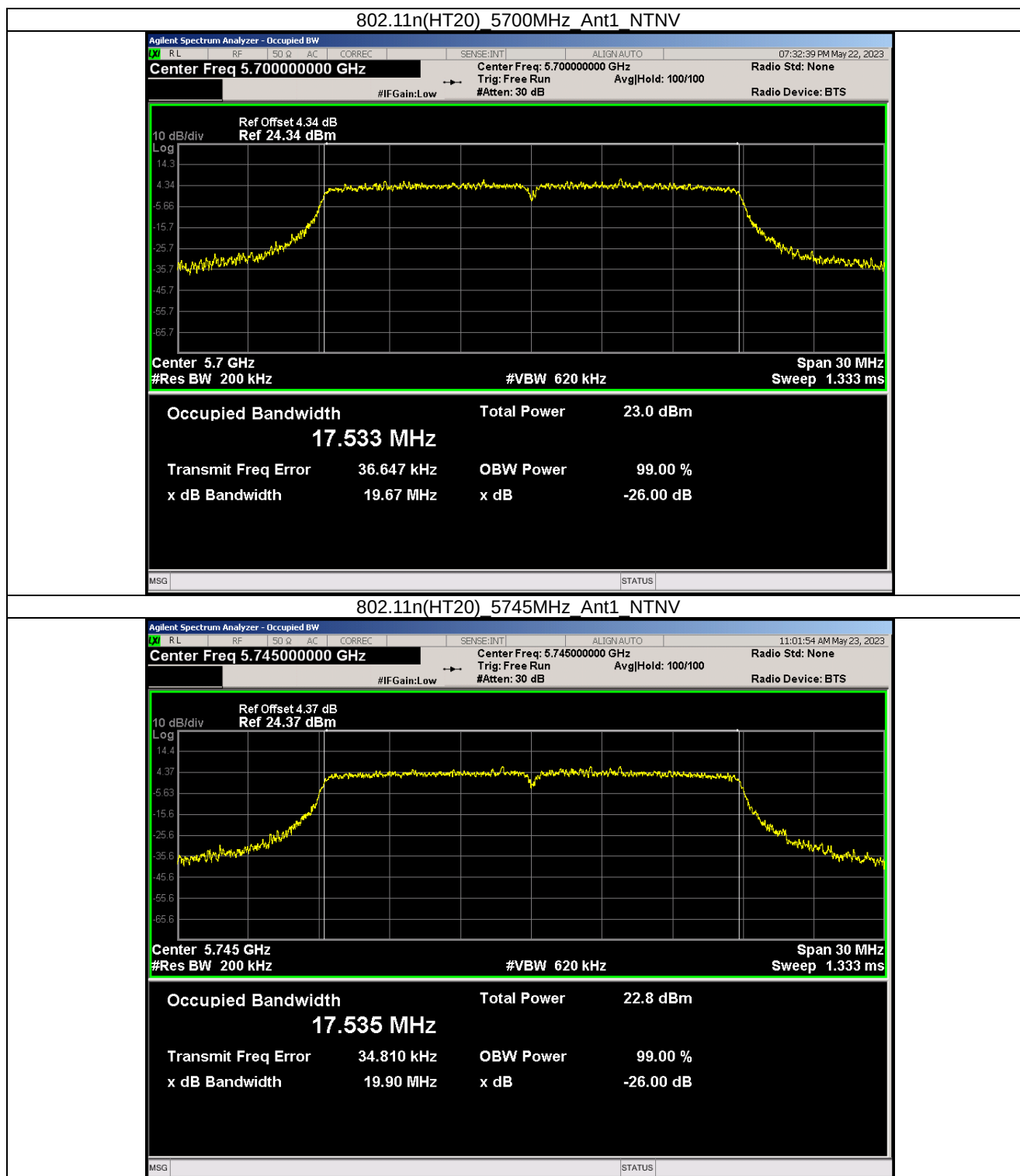


802.11n(HT20) 5500MHz Ant1 NTN

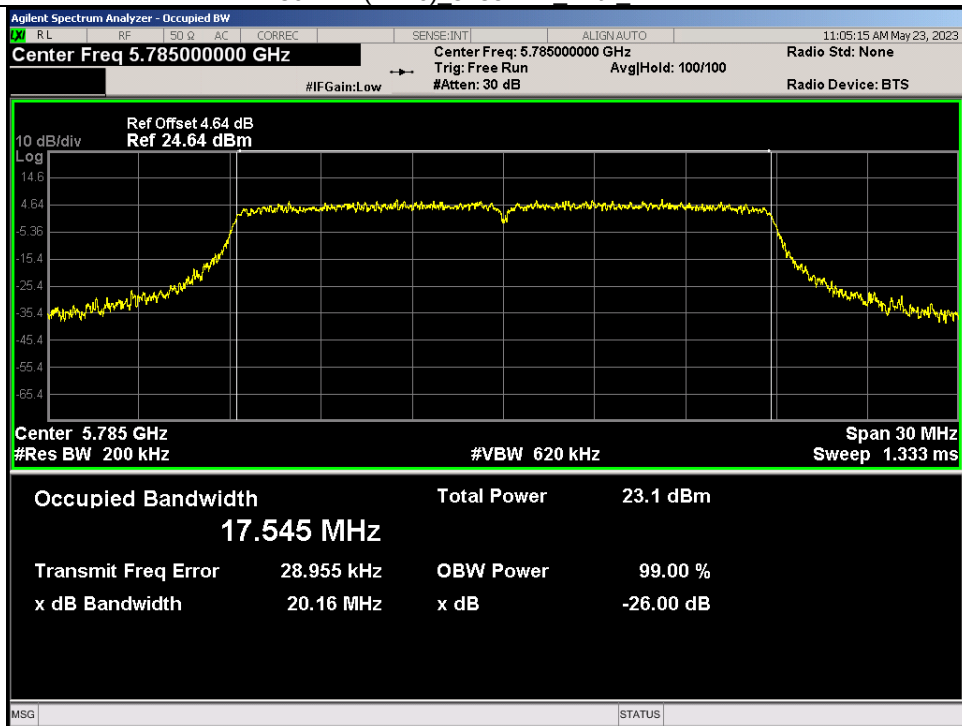


802.11n(HT20) 5580MHz Ant1 NTN

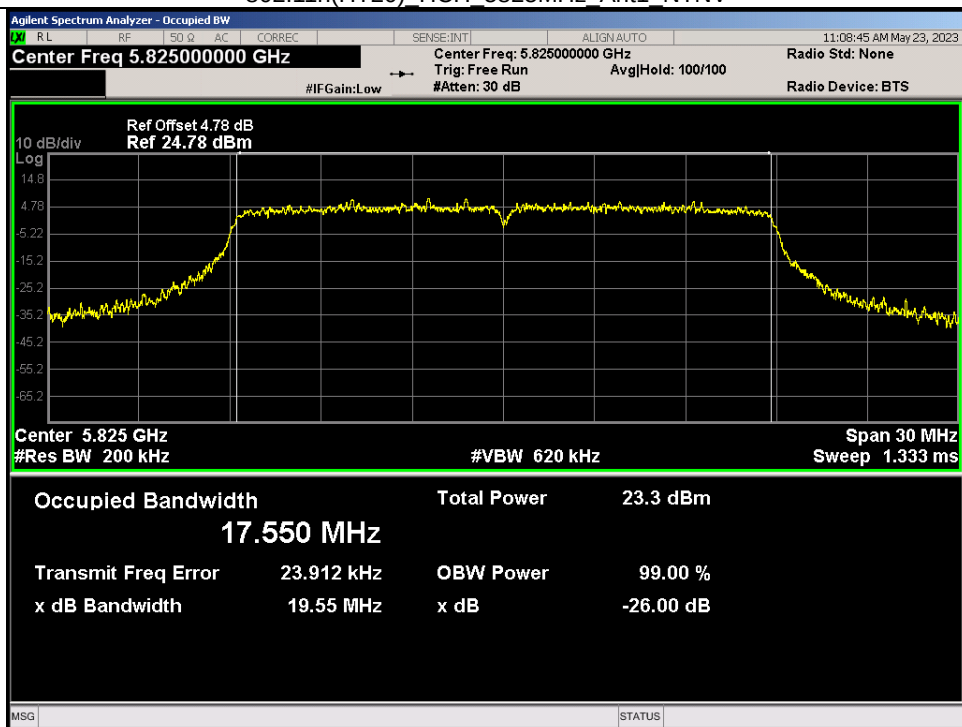




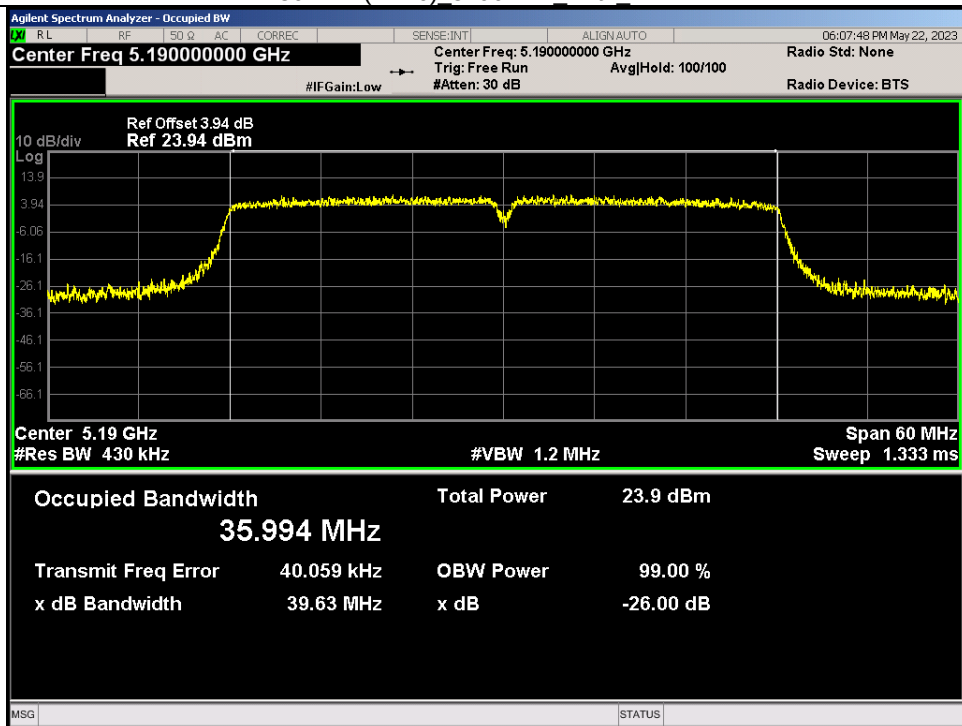
802.11n(HT20) 5785MHz Ant1 NTN



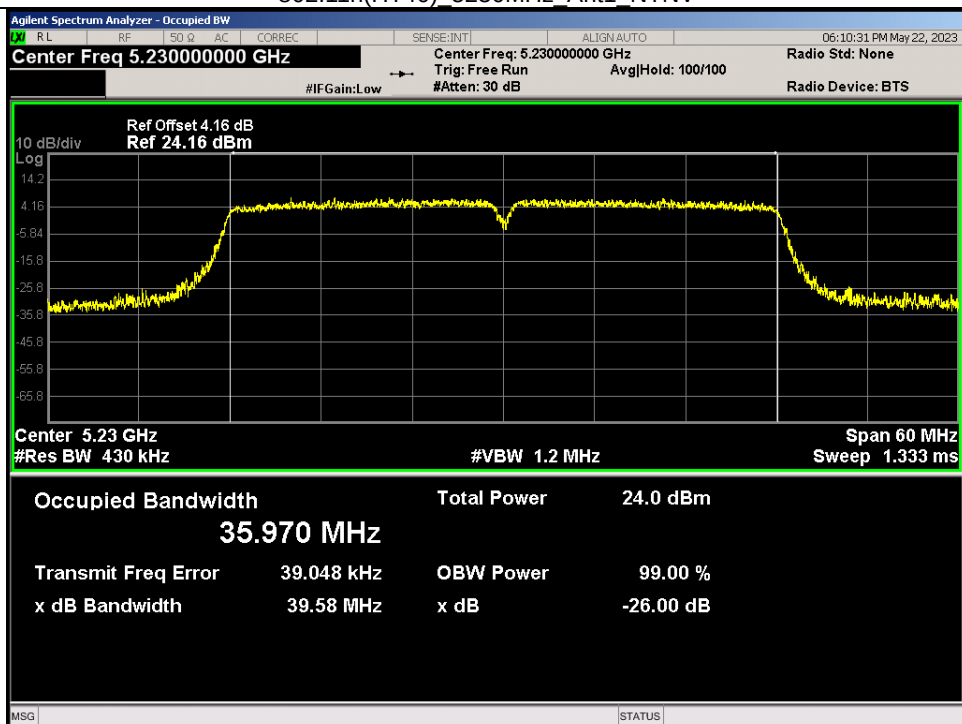
802.11n(HT20) HCH 5825MHz Ant1 NTN



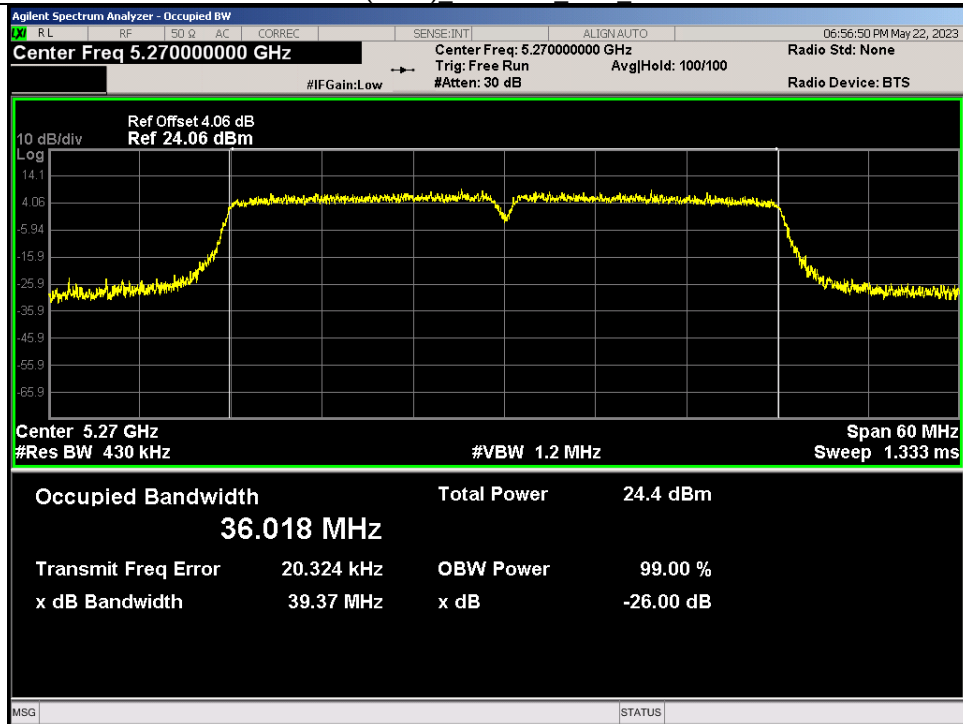
802.11n(HT40) 5190MHz Ant1 NTN



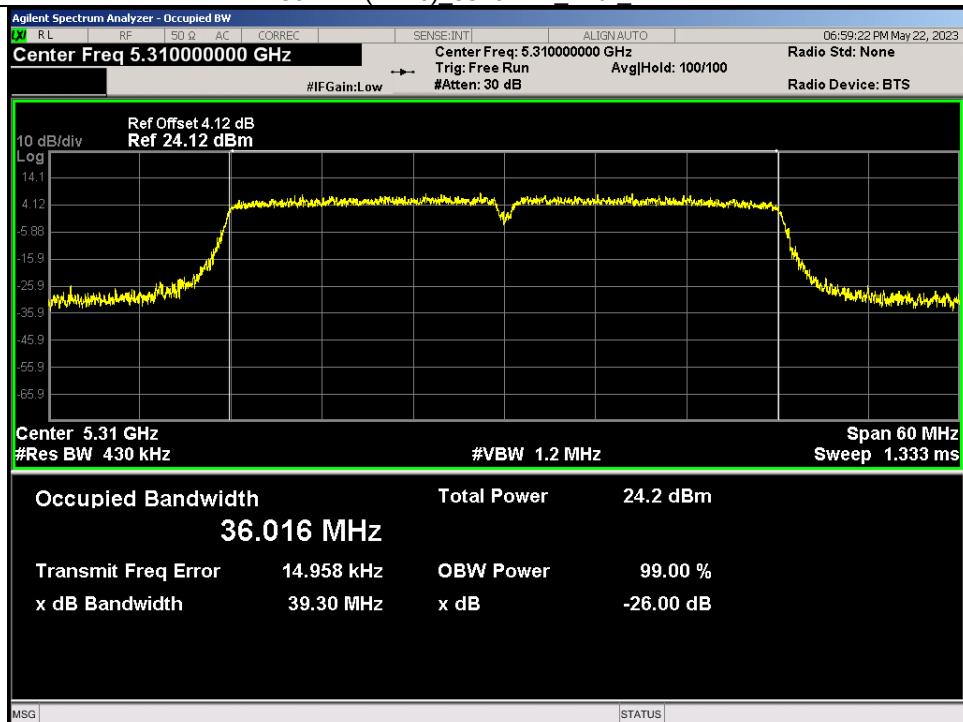
802.11n(HT40) 5230MHz Ant1 NTN

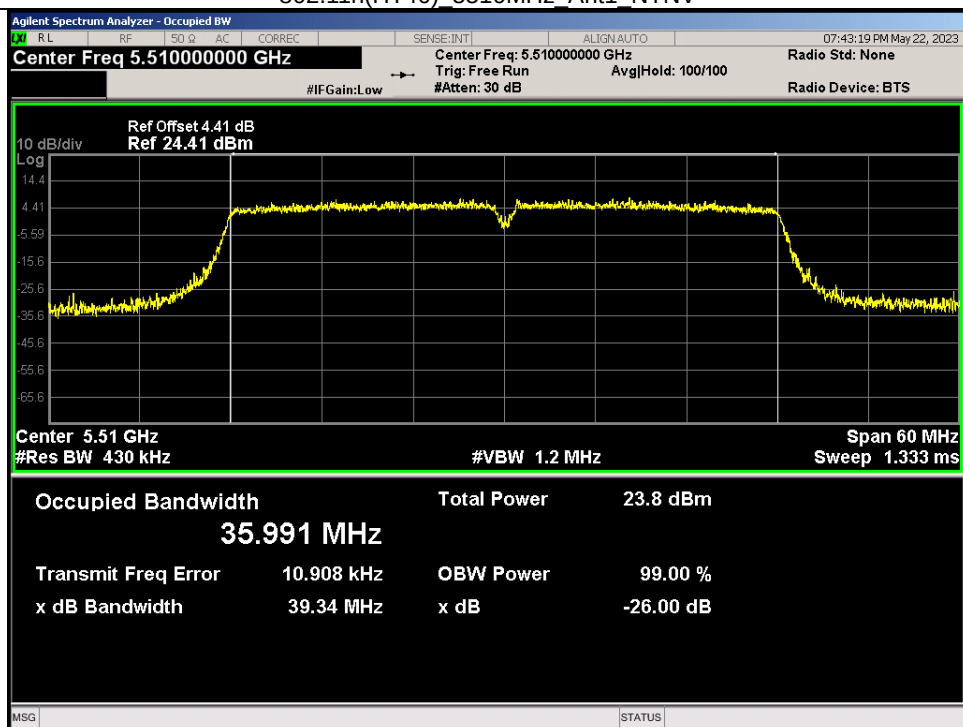


802.11n(HT40) 5270MHz Ant1 NTN

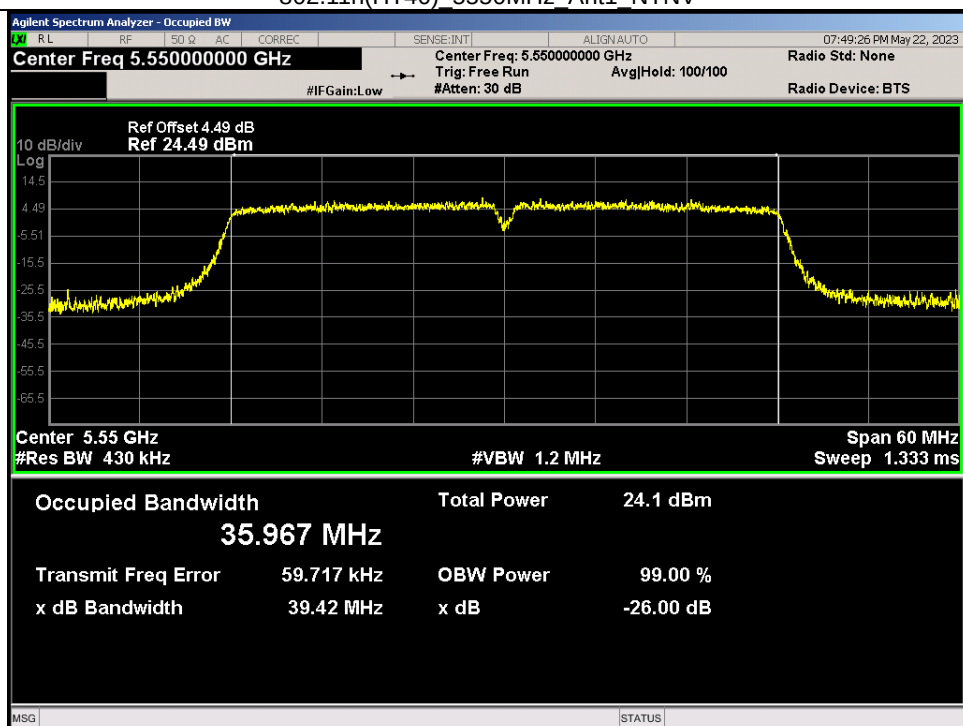


802.11n(HT40) 5310MHz Ant1 NTN

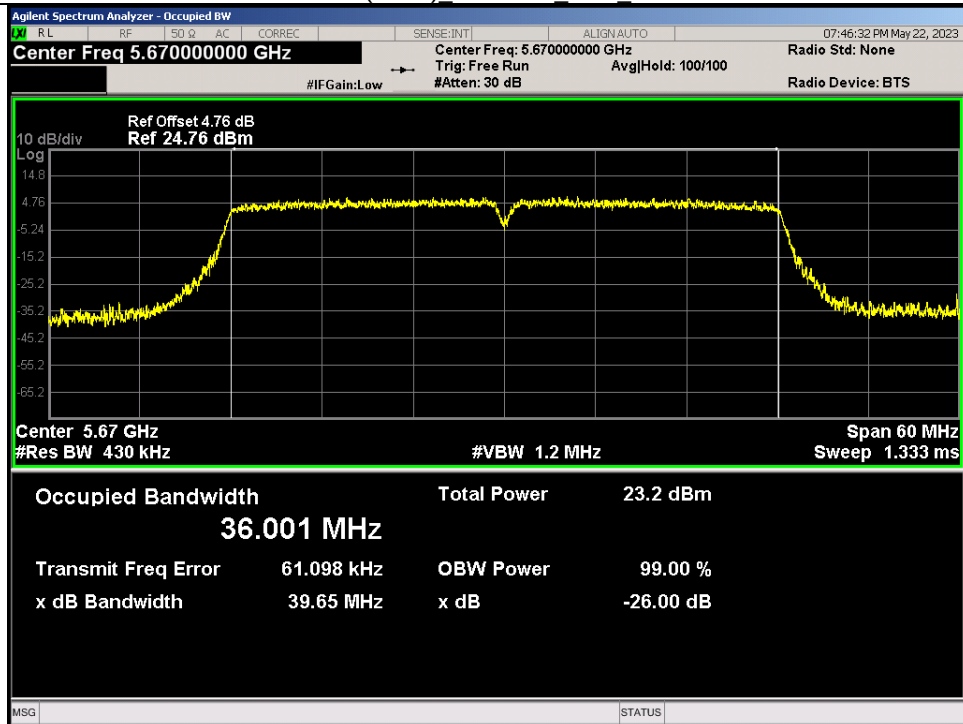


802.11n(HT40) 5510MHz Ant1 NTNV

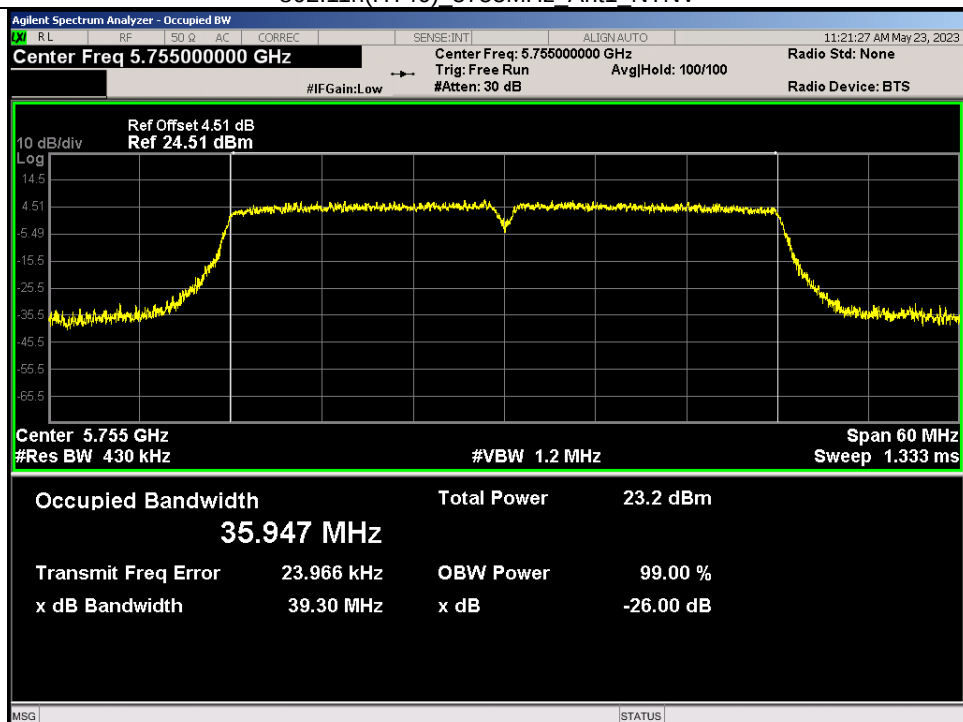
802.11n(HT40)_5550MHz_Ant1_NTNV



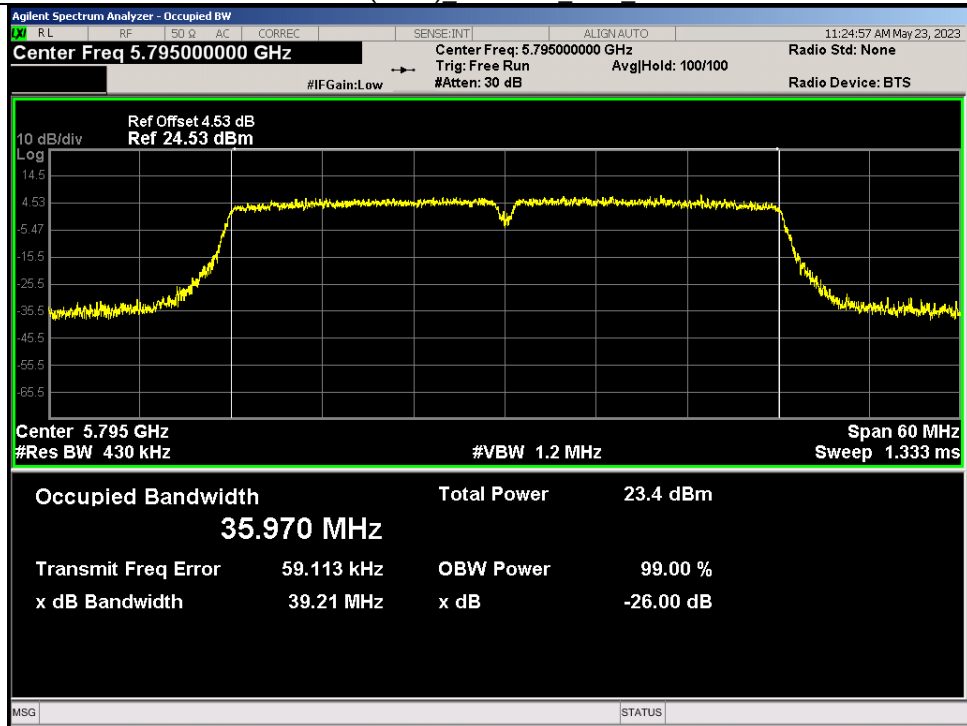
802.11n(HT40) 5670MHz Ant1 NTN



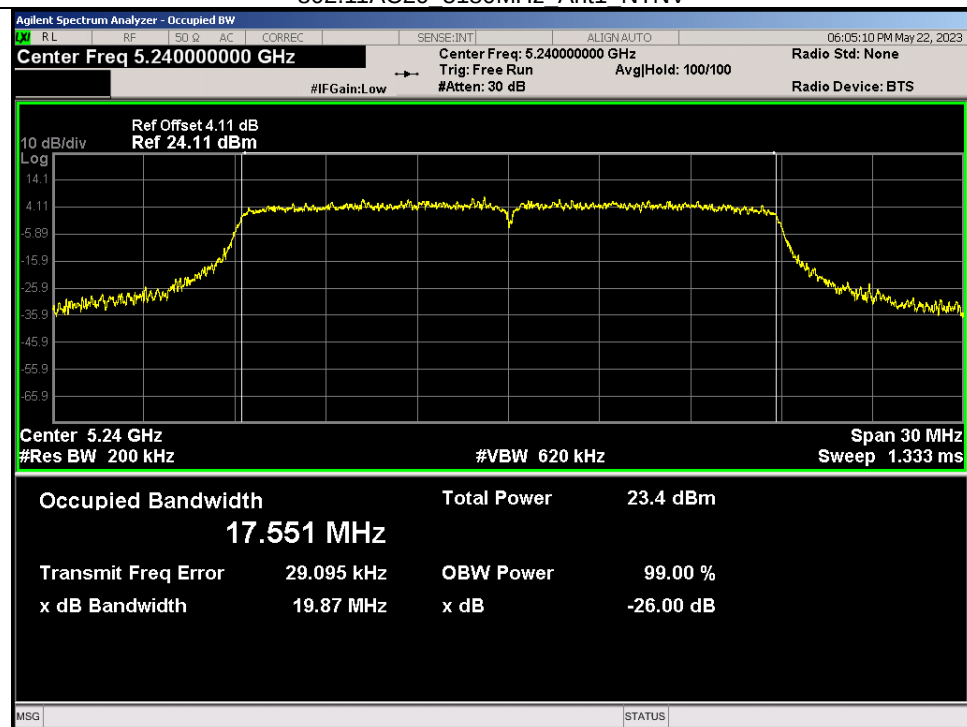
802.11n(HT40) 5755MHz Ant1 NTN



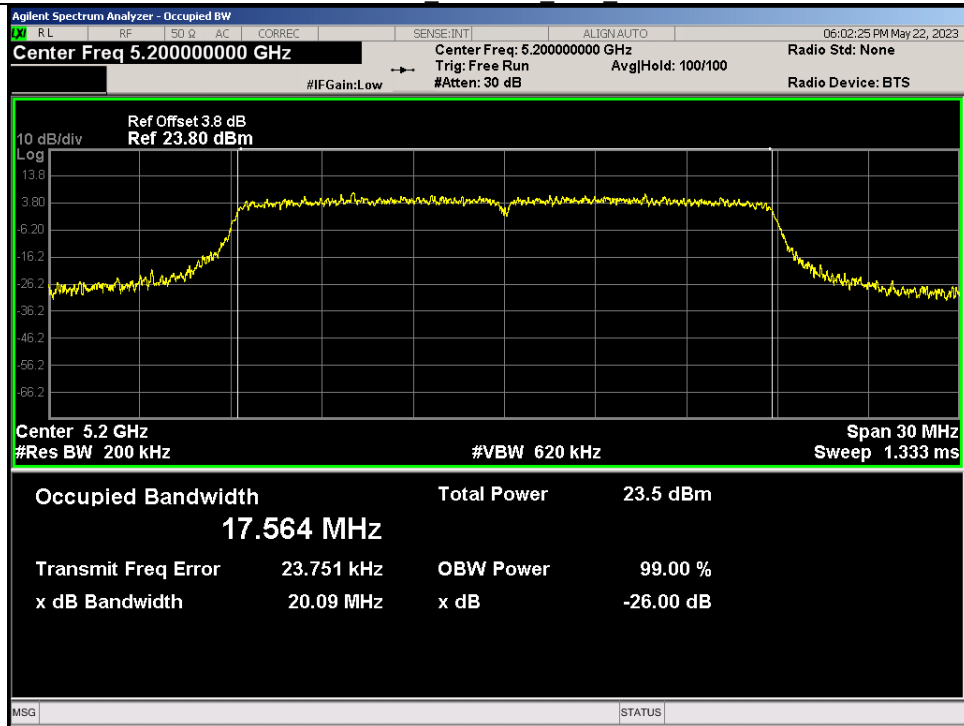
802.11n(HT40) 5795MHz Ant1 NTN



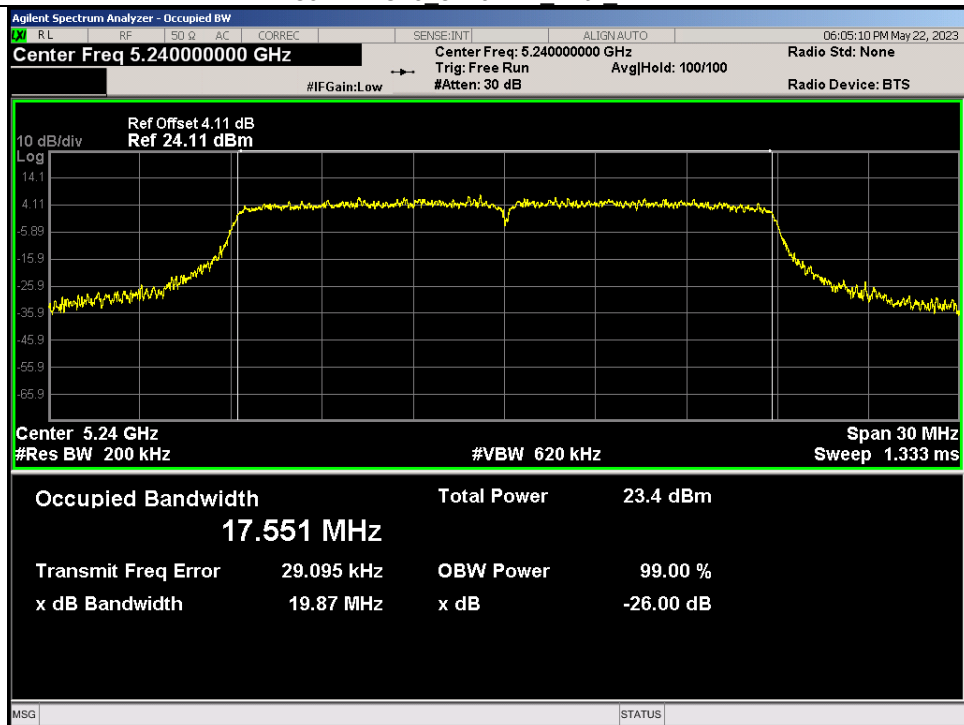
802.11AC20 5180MHz Ant1 NTN



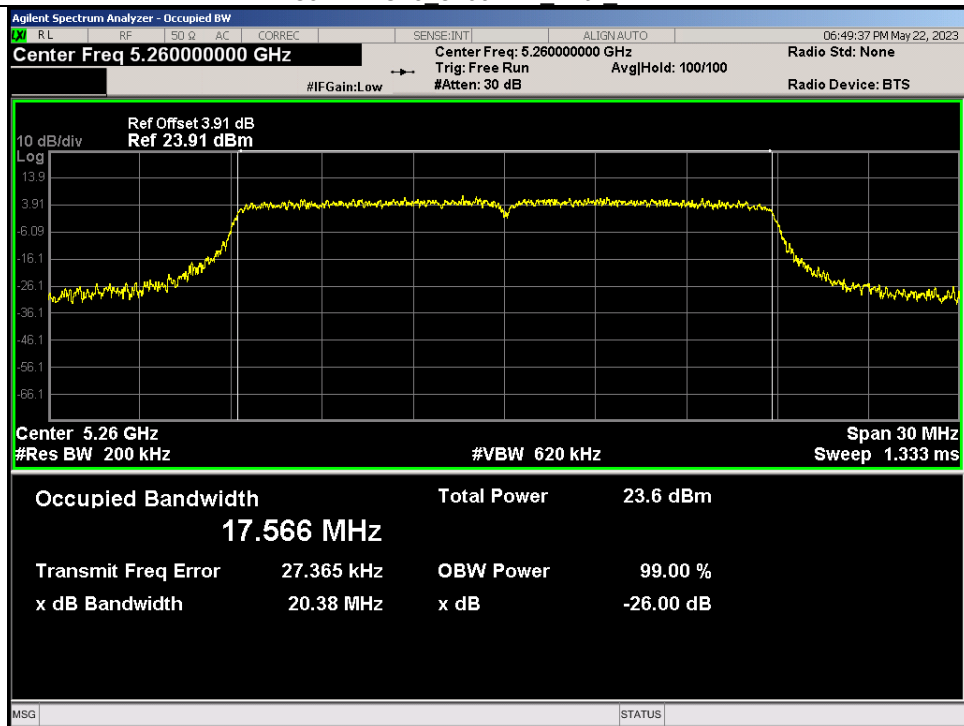
802.11AC20 5200MHz Ant1 NTN



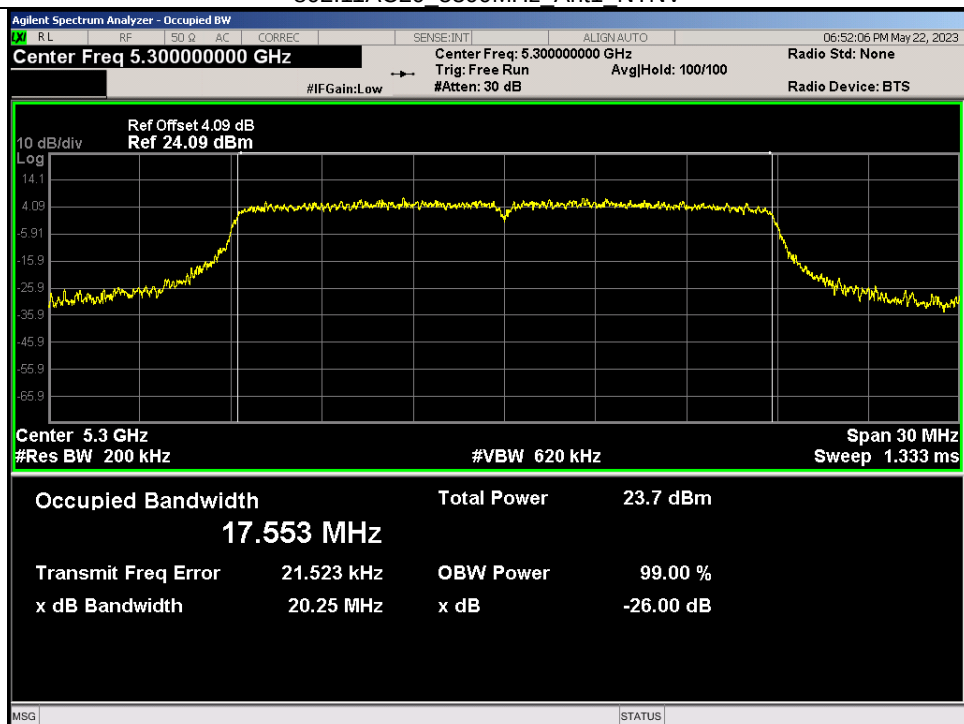
802.11AC20 5240MHz Ant1 NTN



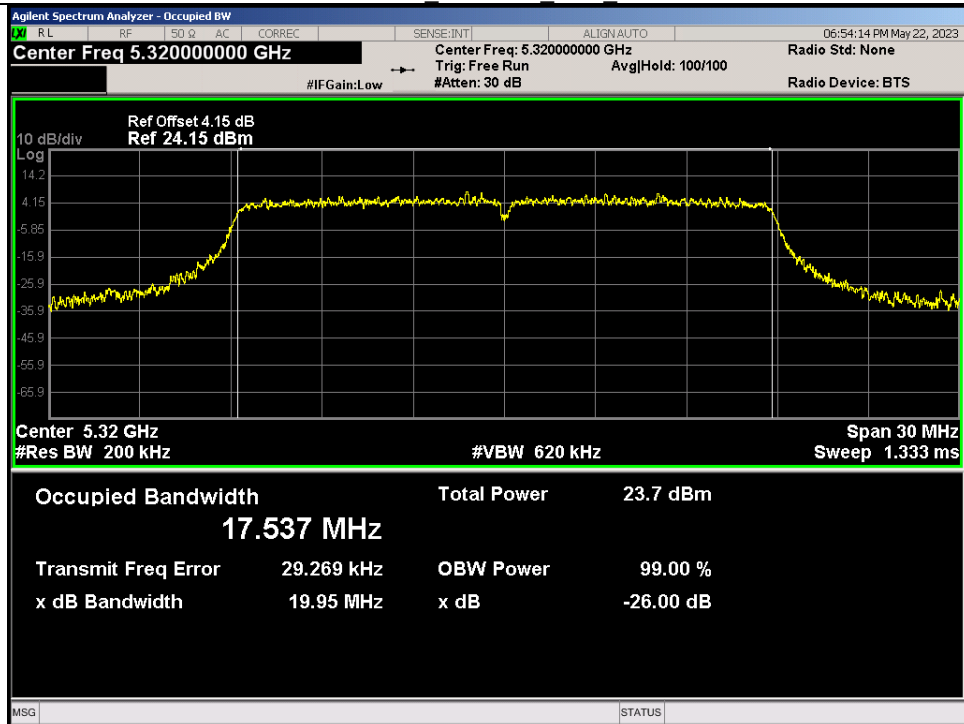
802.11AC20 5260MHz Ant1 NTN



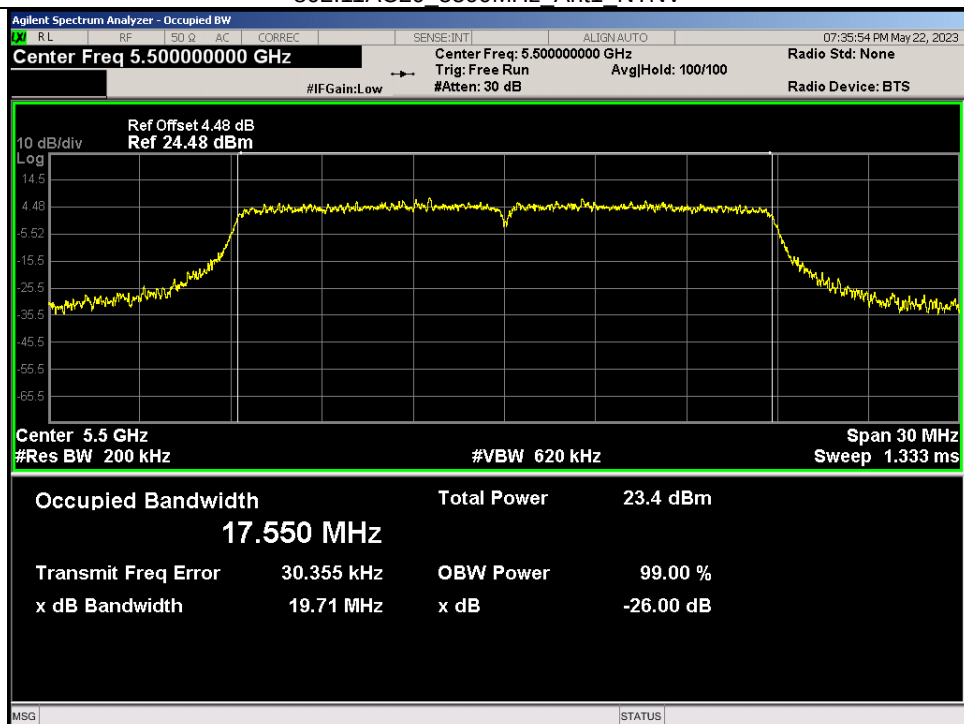
802.11AC20 5300MHz Ant1 NTN



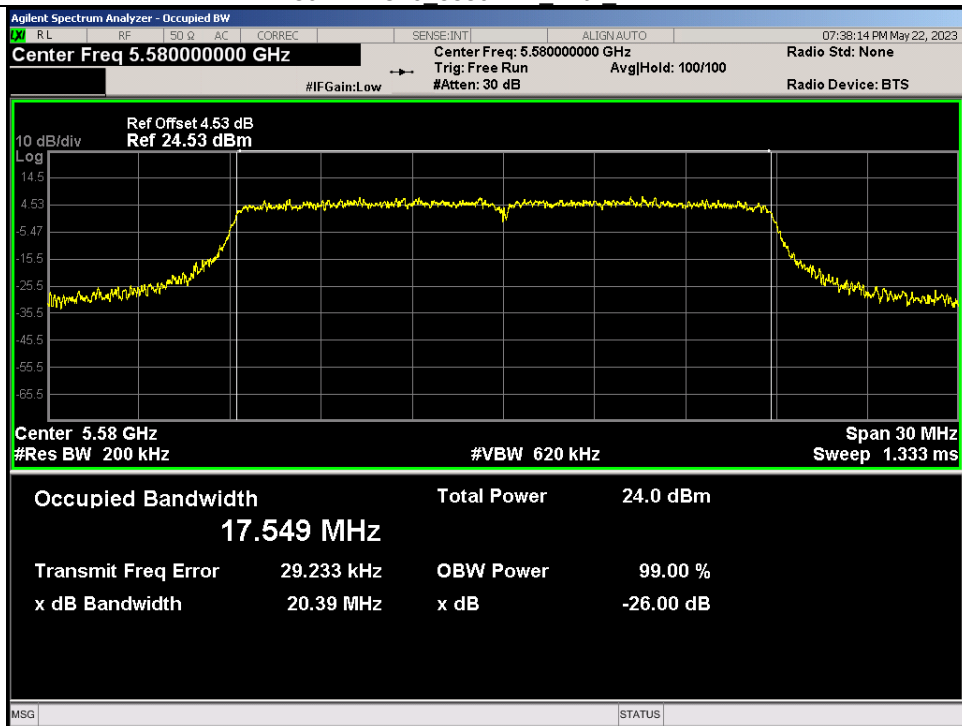
802.11AC20 5320MHz Ant1 NTN



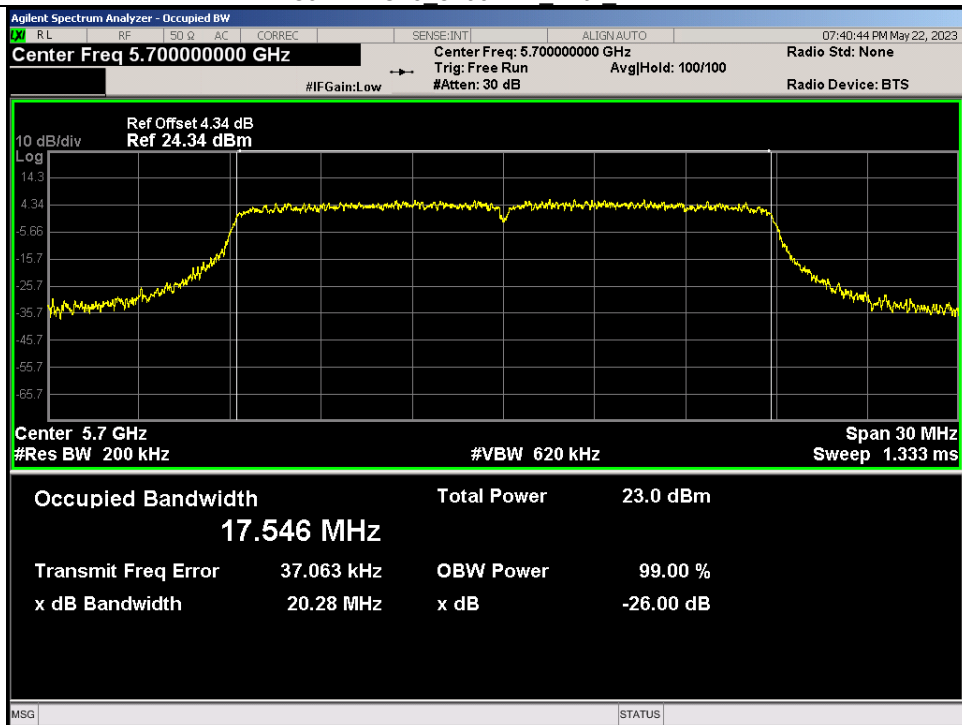
802.11AC20 5500MHz Ant1 NTN



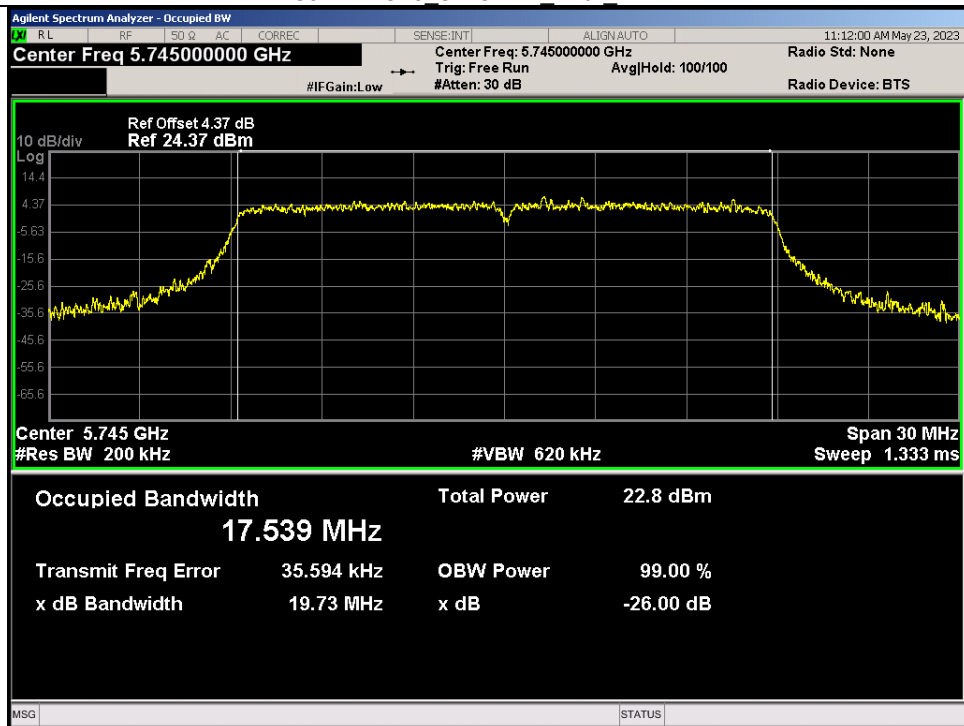
802.11AC20 5580MHz Ant1 NTN



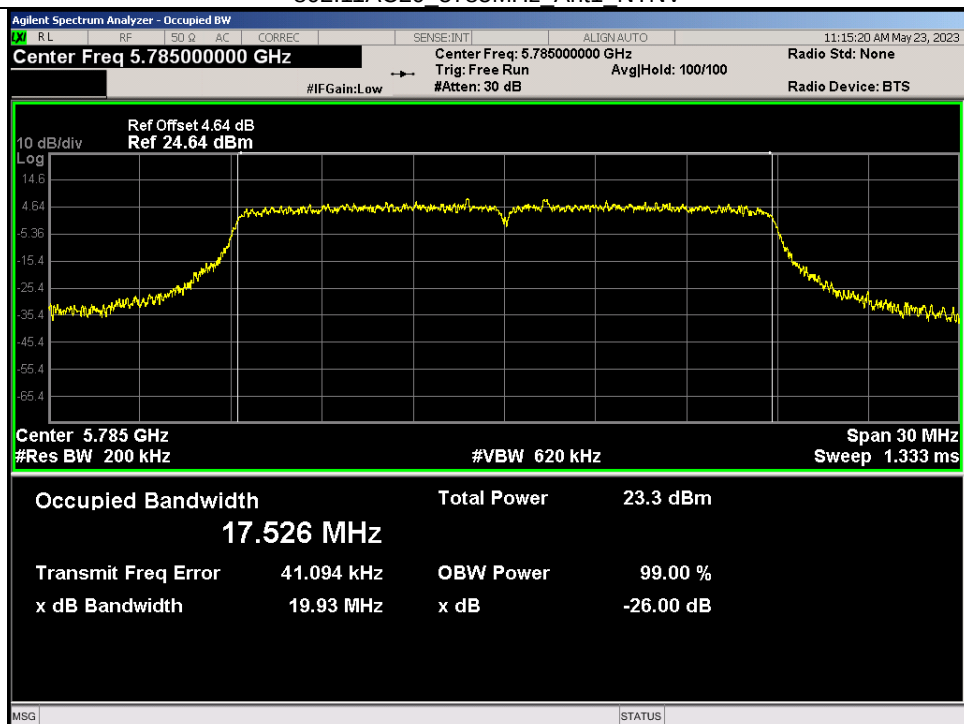
802.11AC20 5700MHz Ant1 NTN



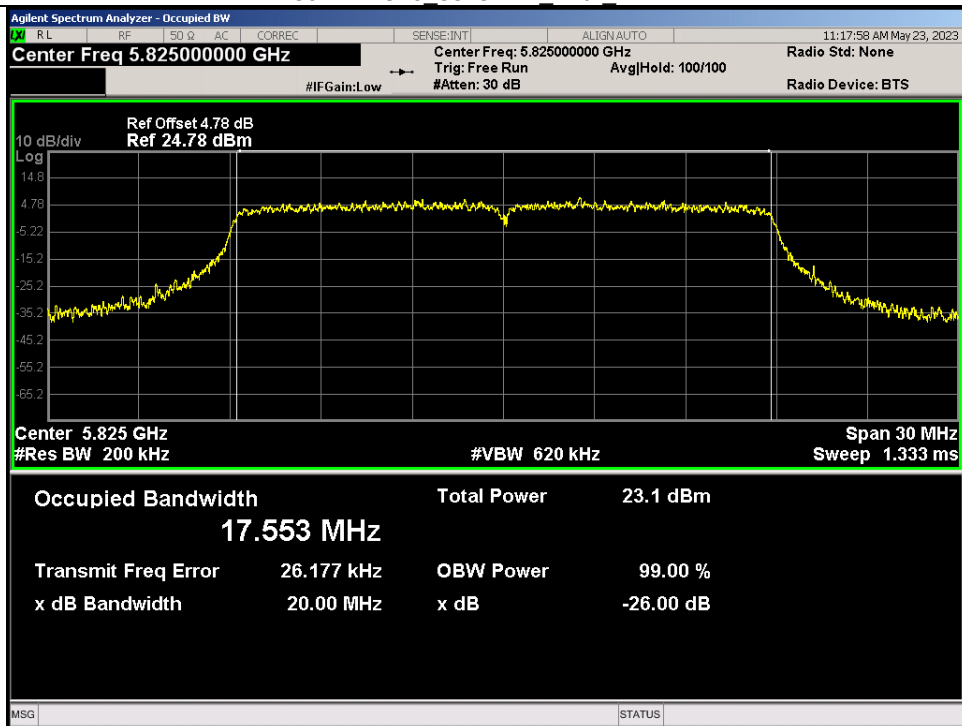
802.11AC20 5745MHz Ant1 NTN



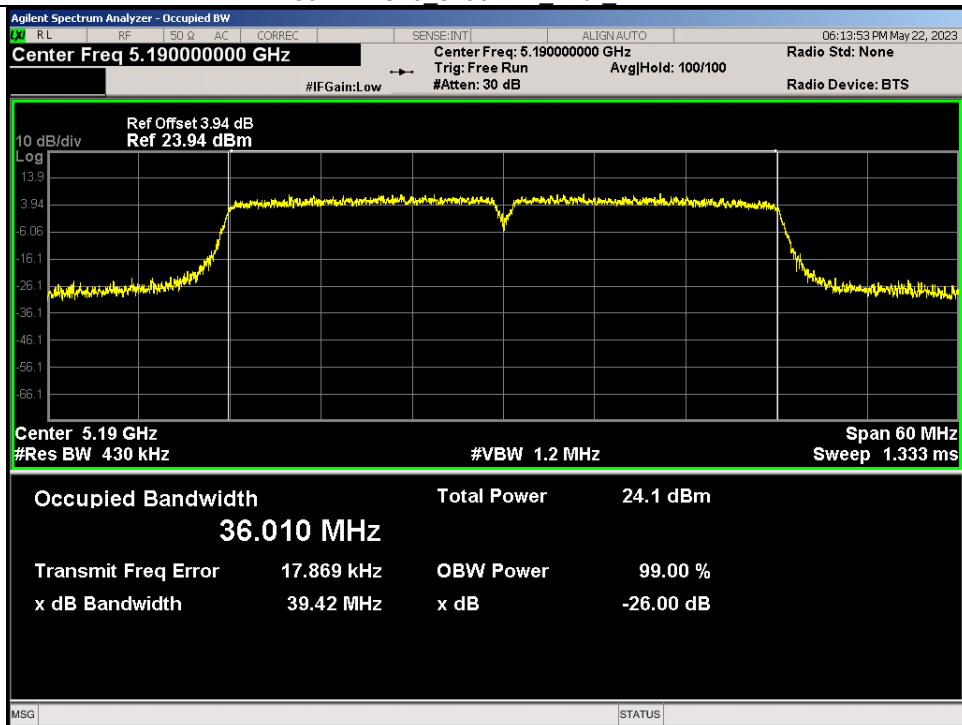
802.11AC20 5785MHz Ant1 NTN



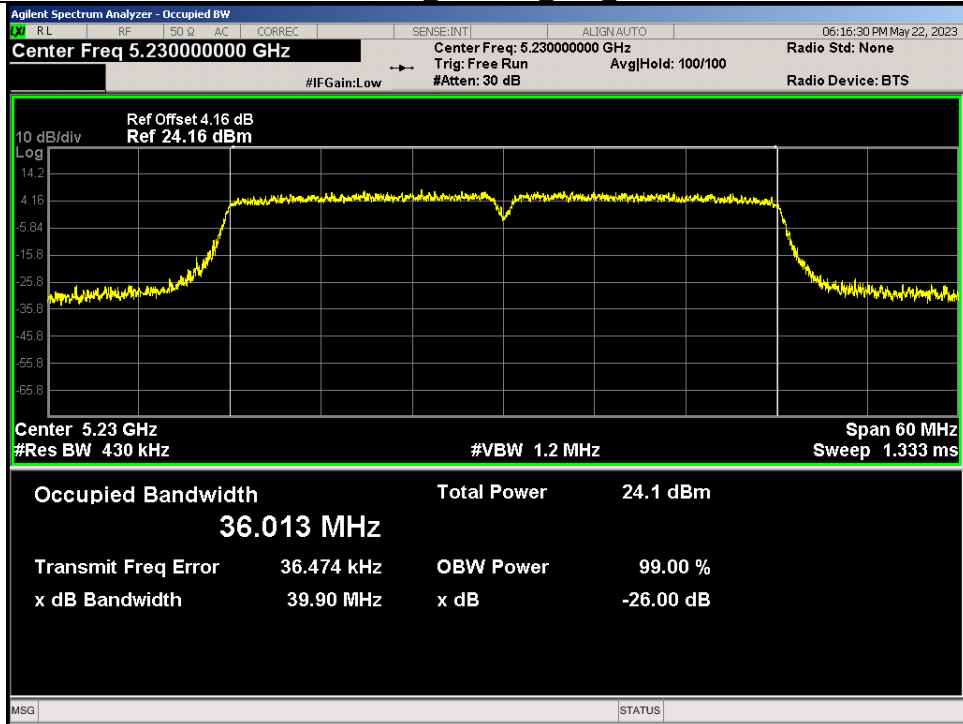
802.11AC20 5825MHz Ant1 NTN



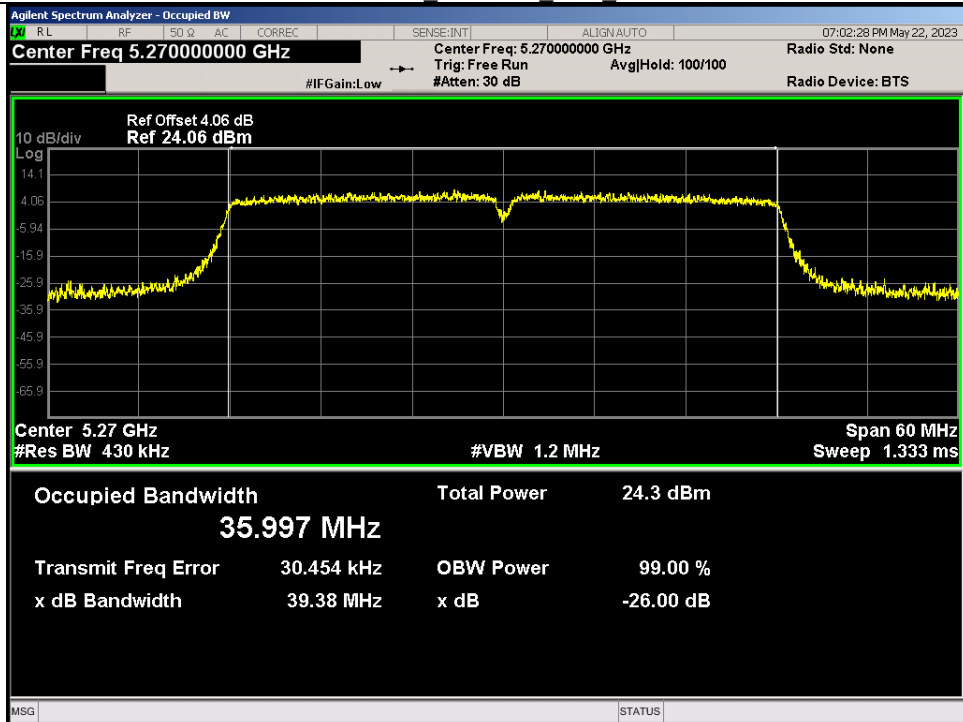
802.11AC40 5190MHz Ant1 NTN



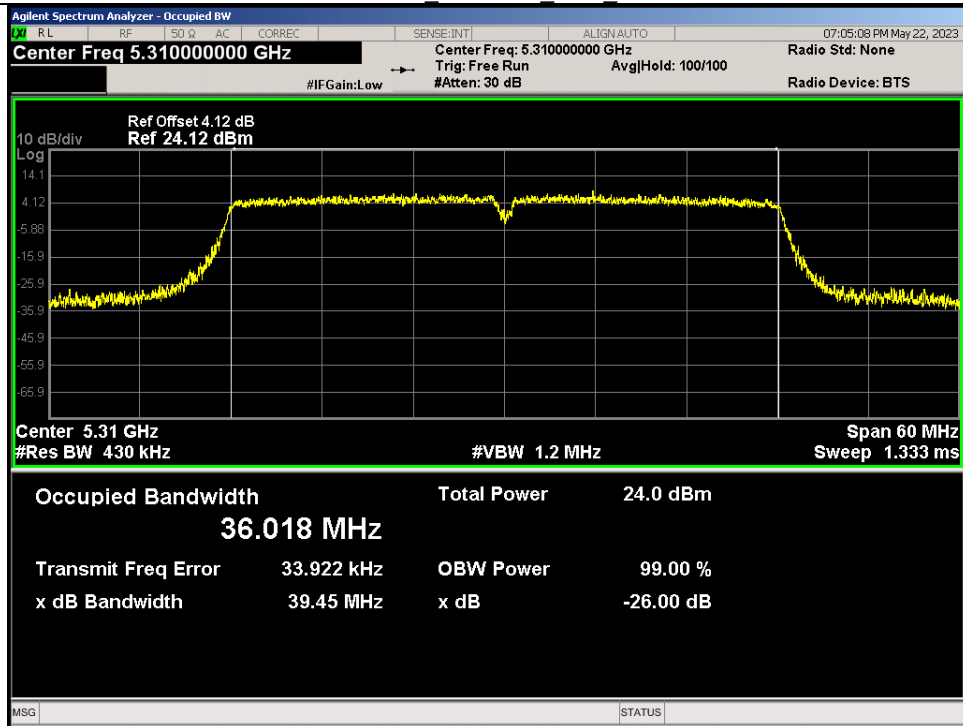
802.11AC40 5230MHz Ant1 NTN



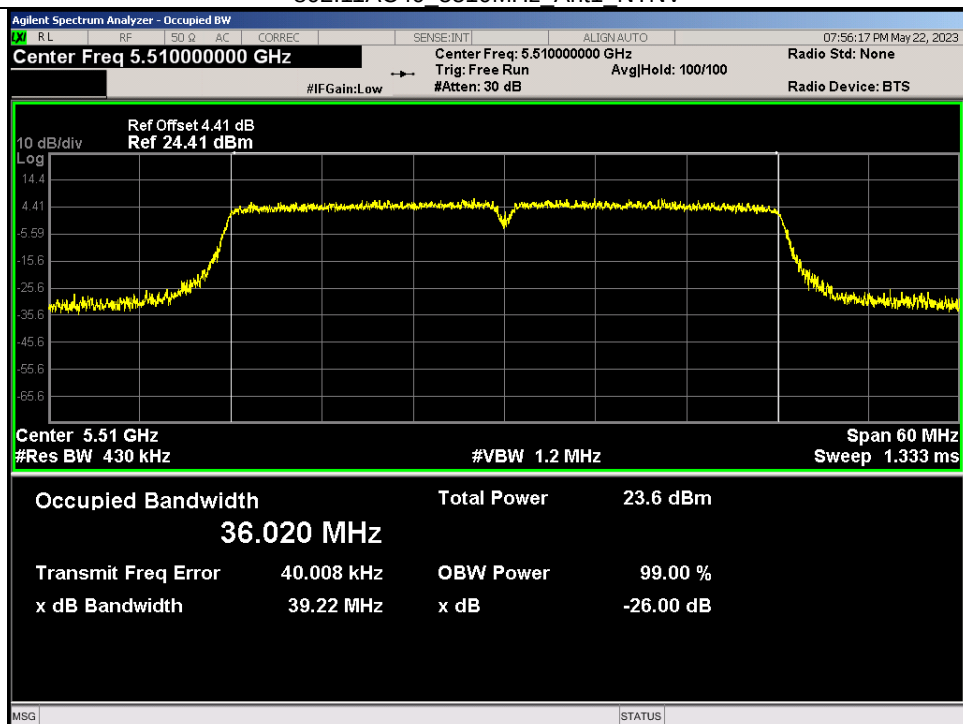
802.11AC40 5270MHz Ant1 NTN



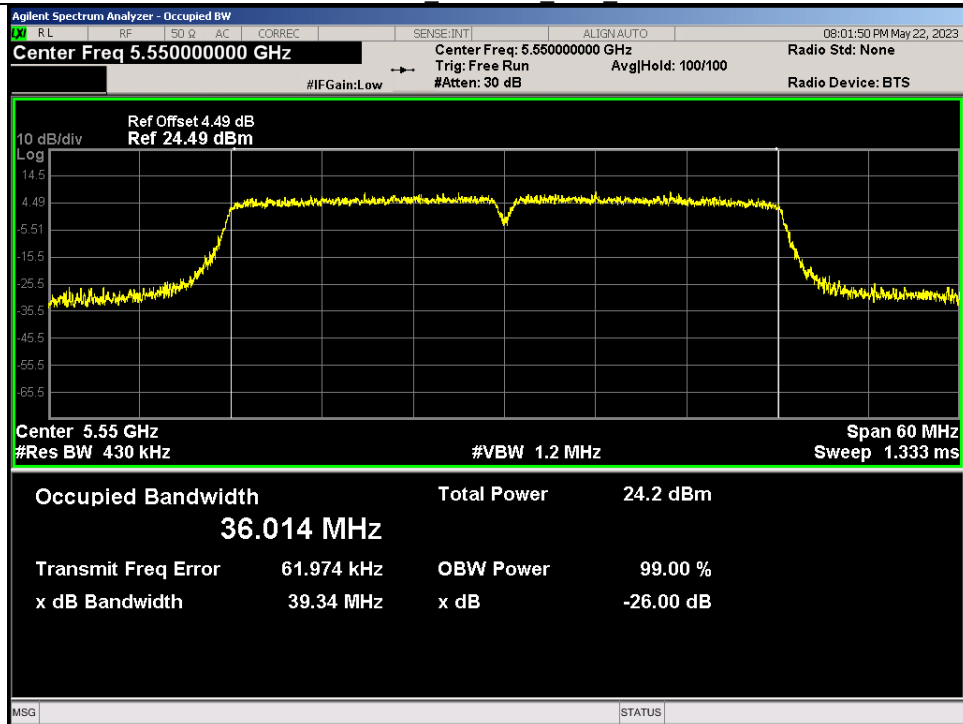
802.11AC40 5310MHz Ant1 NTN



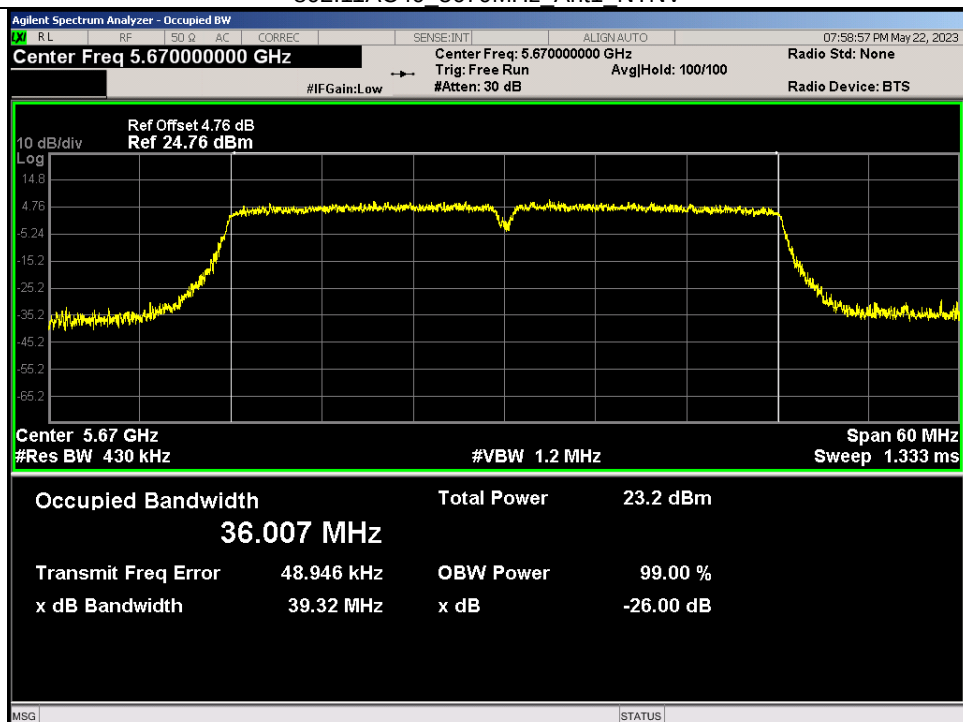
802.11AC40 5510MHz Ant1 NTN



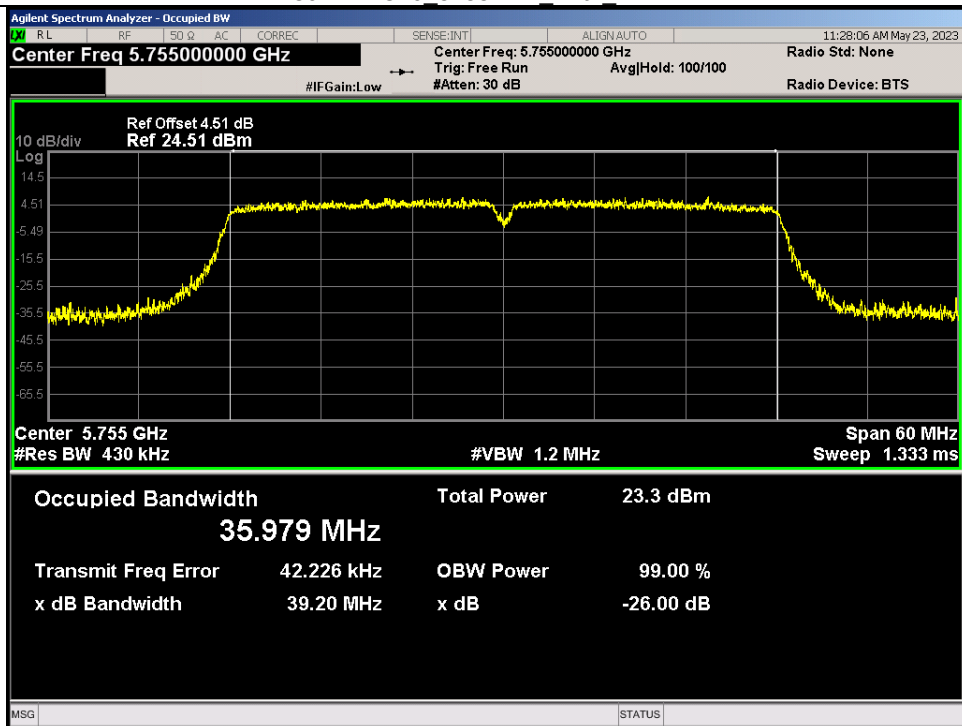
802.11AC40 5550MHz Ant1 NTN



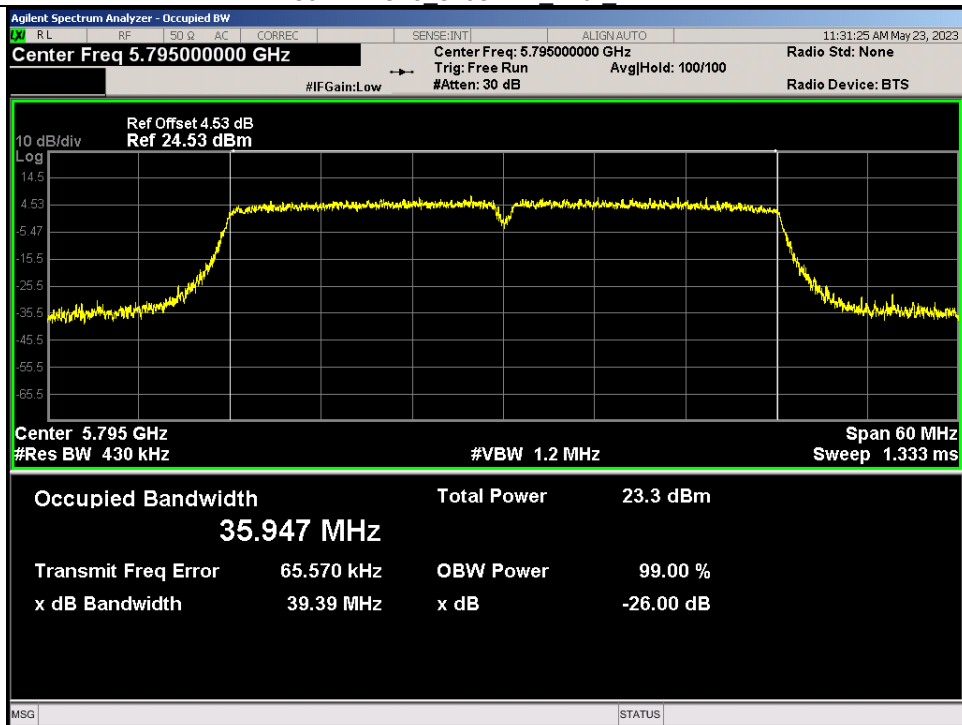
802.11AC40 5670MHz Ant1 NTN



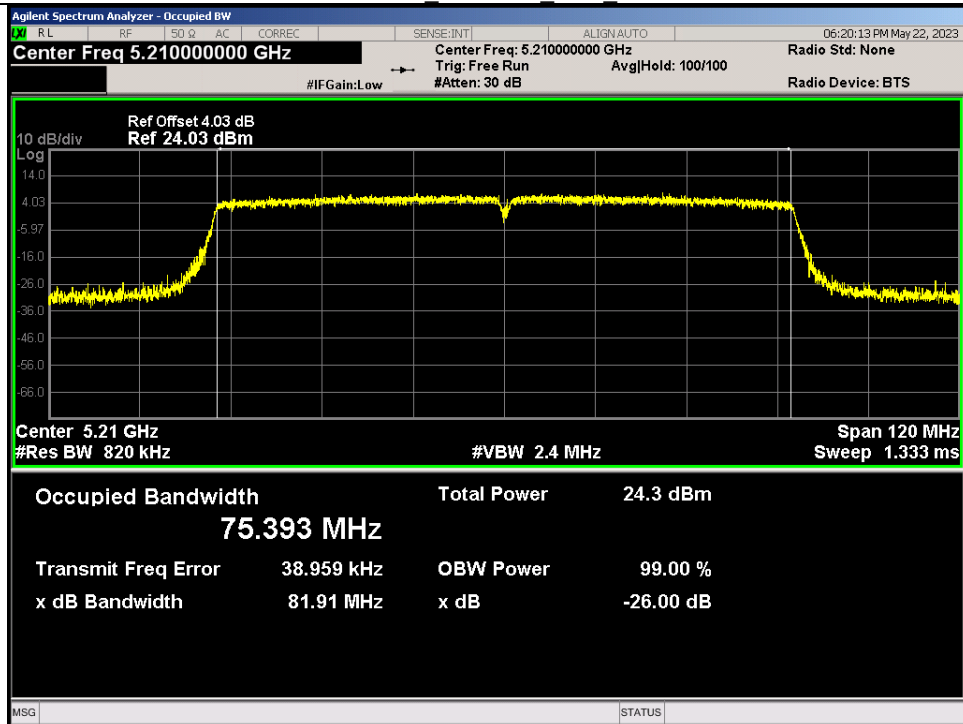
802.11AC40 5755MHz Ant1 NTN



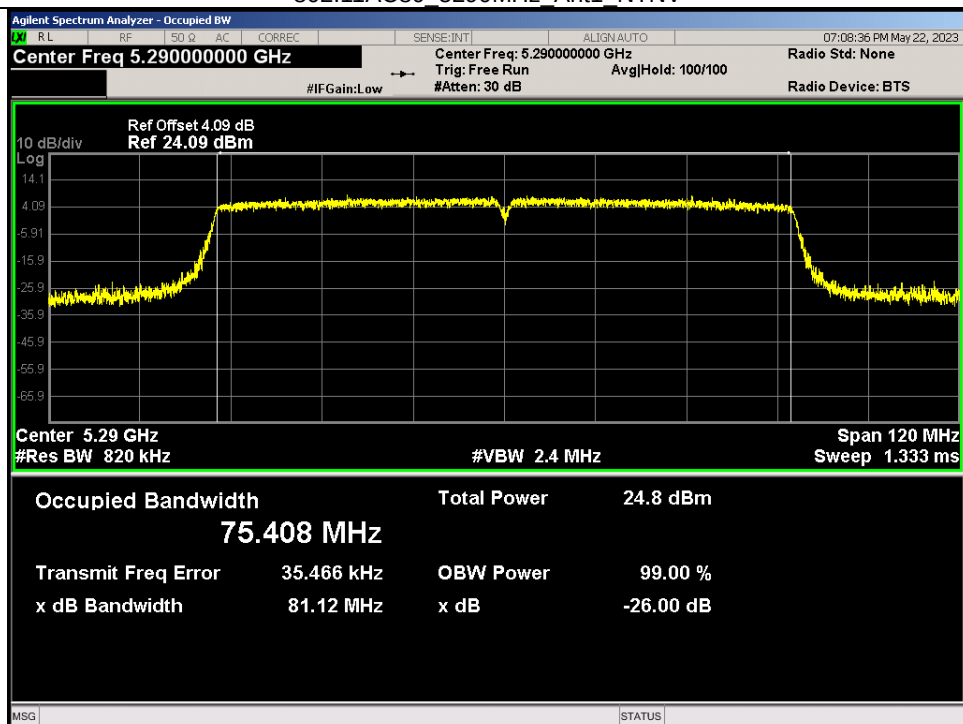
802.11AC40 5795MHz Ant1 NTN



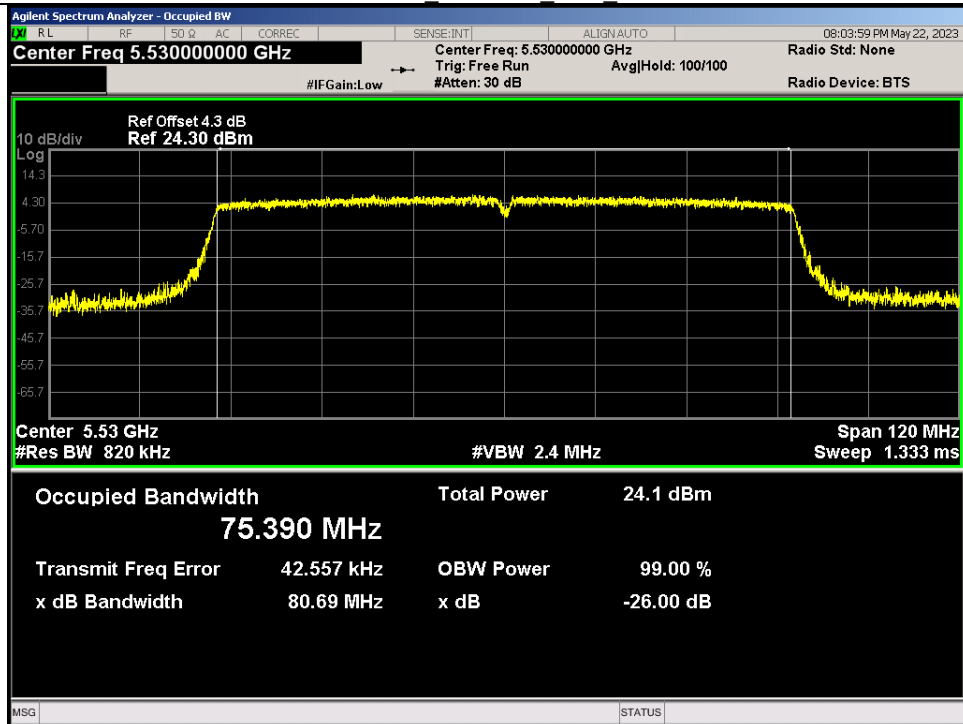
802.11AC80 5210MHz Ant1 NTN



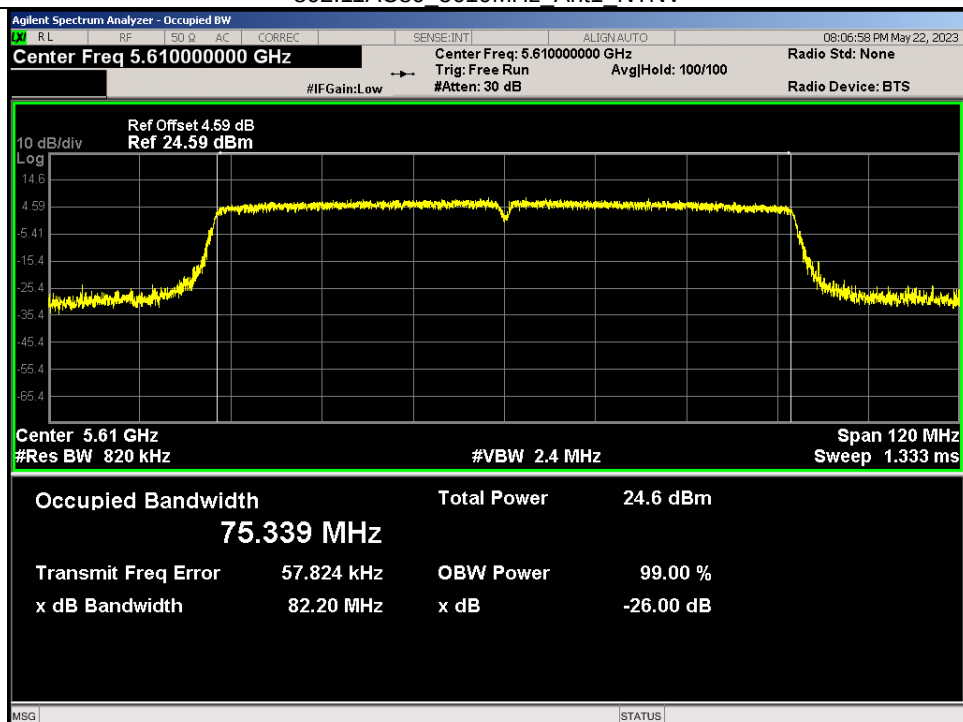
802.11AC80 5290MHz Ant1 NTN



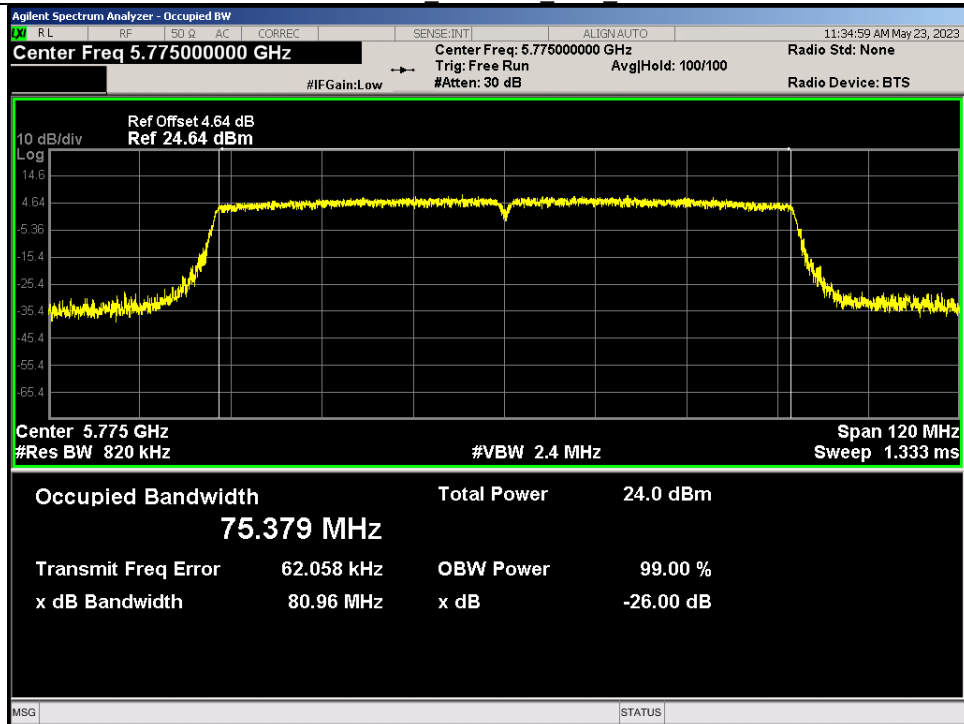
802.11AC80 5530MHz Ant1 NTN



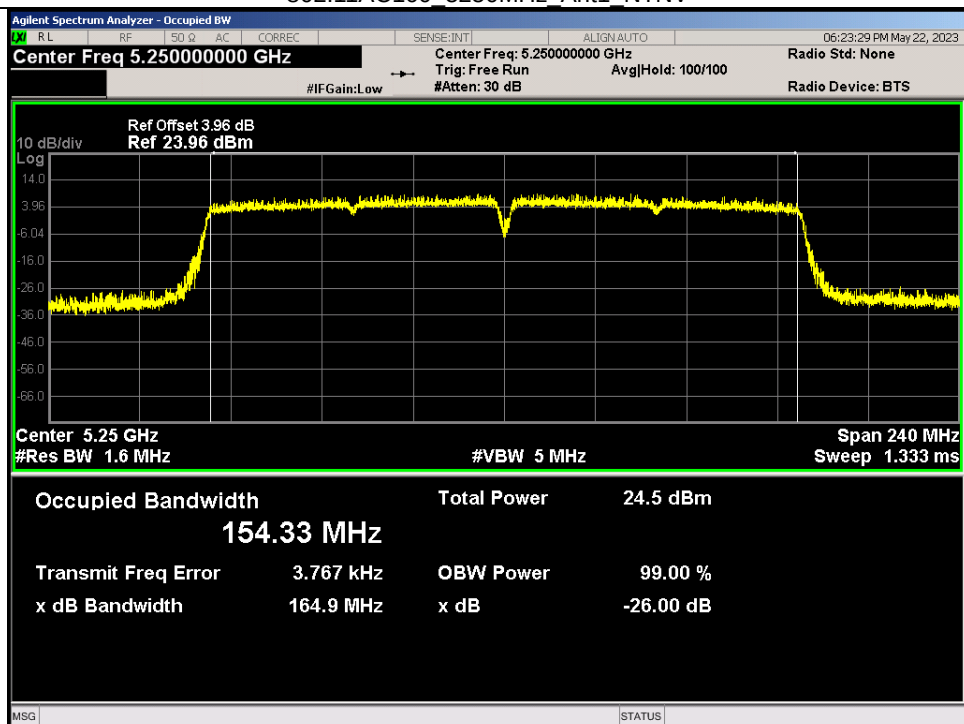
802.11AC80 5610MHz Ant1 NTN

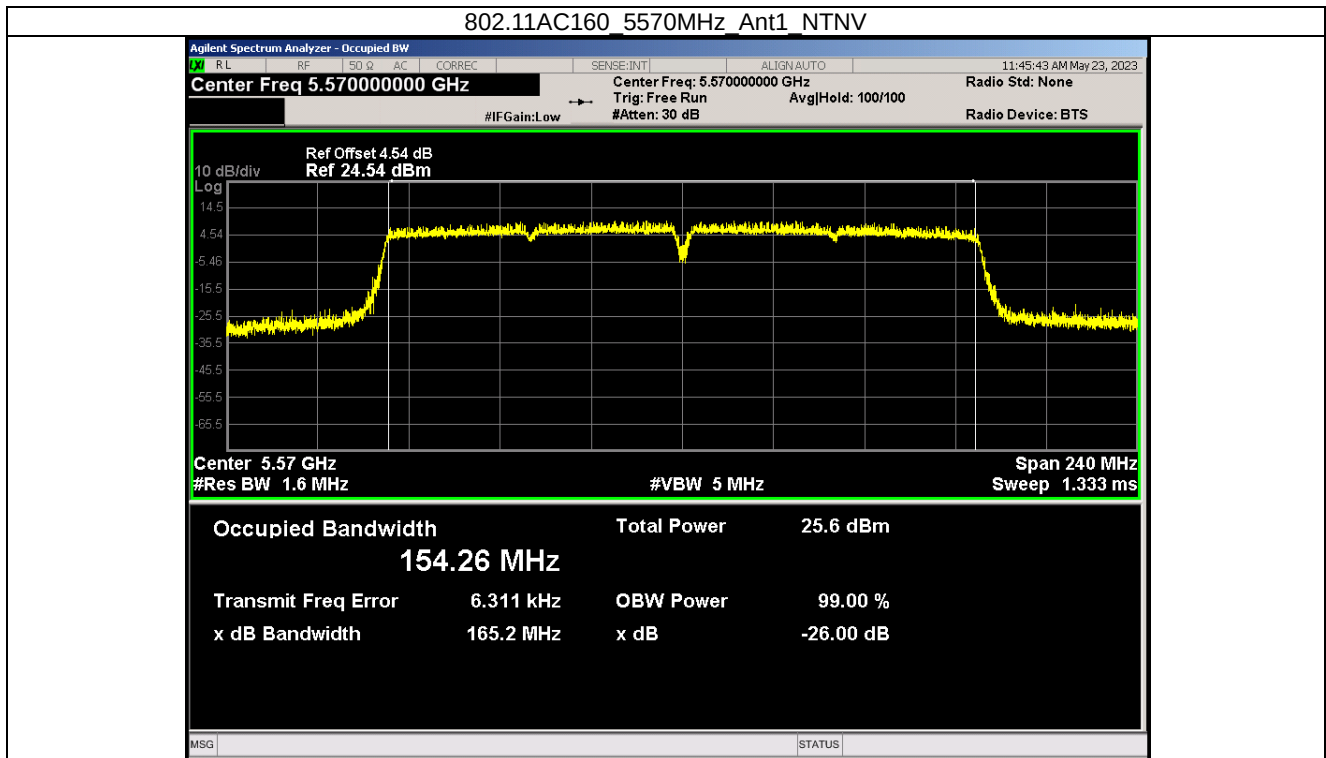


802.11AC80 5775MHz Ant1 NTN



802.11AC160 5250MHz Ant1 NTN





3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	15.98	23.98	Pass
		5200	15.65	23.98	Pass
		5240	15.72	23.98	Pass
		5260	15.68	23.79	Pass
		5300	15.38	23.71	Pass
		5320	15.59	23.89	Pass
		5500	15.82	23.88	Pass
		5580	15.38	23.68	Pass
		5700	15.35	23.79	Pass
		5745	15.25	30	Pass
		5785	14.96	30	Pass
		5825	14.75	30	Pass
802.11n (HT20)	SISO	5180	15.97	23.98	Pass
		5200	15.68	23.98	Pass
		5240	15.74	23.98	Pass
		5260	15.35	24.04	Pass
		5300	15.25	24.01	Pass
		5320	15.43	23.95	Pass
		5500	15.32	23.96	Pass
		5580	15.53	23.99	Pass
		5700	15.36	23.94	Pass
		5745	15.14	30	Pass
		5785	15.99	30	Pass
		5825	15.21	30	Pass
802.11n (HT40)	SISO	5190	15.52	23.98	Pass
		5230	15.33	23.98	Pass
		5270	15.05	23.98	Pass
		5310	15.32	23.98	Pass
		5510	15.24	23.98	Pass
		5550	15.16	23.98	Pass
		5670	15.41	23.98	Pass
		5755	15.09	30	Pass
		5795	15.12	30	Pass
11AC20	SISO	5180	15.91	23.98	Pass
		5200	15.75	23.98	Pass
		5240	15.63	23.98	Pass
		5260	15.23	23.98	Pass
		5300	15.15	23.98	Pass
		5320	15.36	23.98	Pass
		5500	15.42	23.98	Pass
		5580	15.32	23.98	Pass
		5700	15.34	23.98	Pass
		5745	15.23	30	Pass
		5785	15.15	30	Pass
		5825	15.12	30	Pass
11AC40	SISO	5190	15.52	23.98	Pass
		5230	15.33	23.98	Pass
		5270	15.47	23.98	Pass

		5310	15.35	23.98	Pass
		5510	15.16	23.98	Pass
		5550	15.39	23.98	Pass
		5670	15.34	23.98	Pass
		5755	15.06	30	Pass
		5795	15.89	30	Pass
11AC80	SISO	5210	15.69	23.98	Pass
		5290	15.25	23.98	Pass
		5530	15.16	23.98	Pass
		5610	15.24	23.98	Pass
		5775	15.98	30	Pass
11AC160	SISO	5250 UNII-1	15.58	23.98	Pass
		5250 UNII-2A	15.47	23.98	Pass
		5570	15.42	23.98	Pass
Note1: Antenna Gain: 5150-5350MHz:0.3 dBi,5470-5725MHz:0.7dBi,5745-5825MHz:1.5dBi					

4. Maximum Power Spectral Density

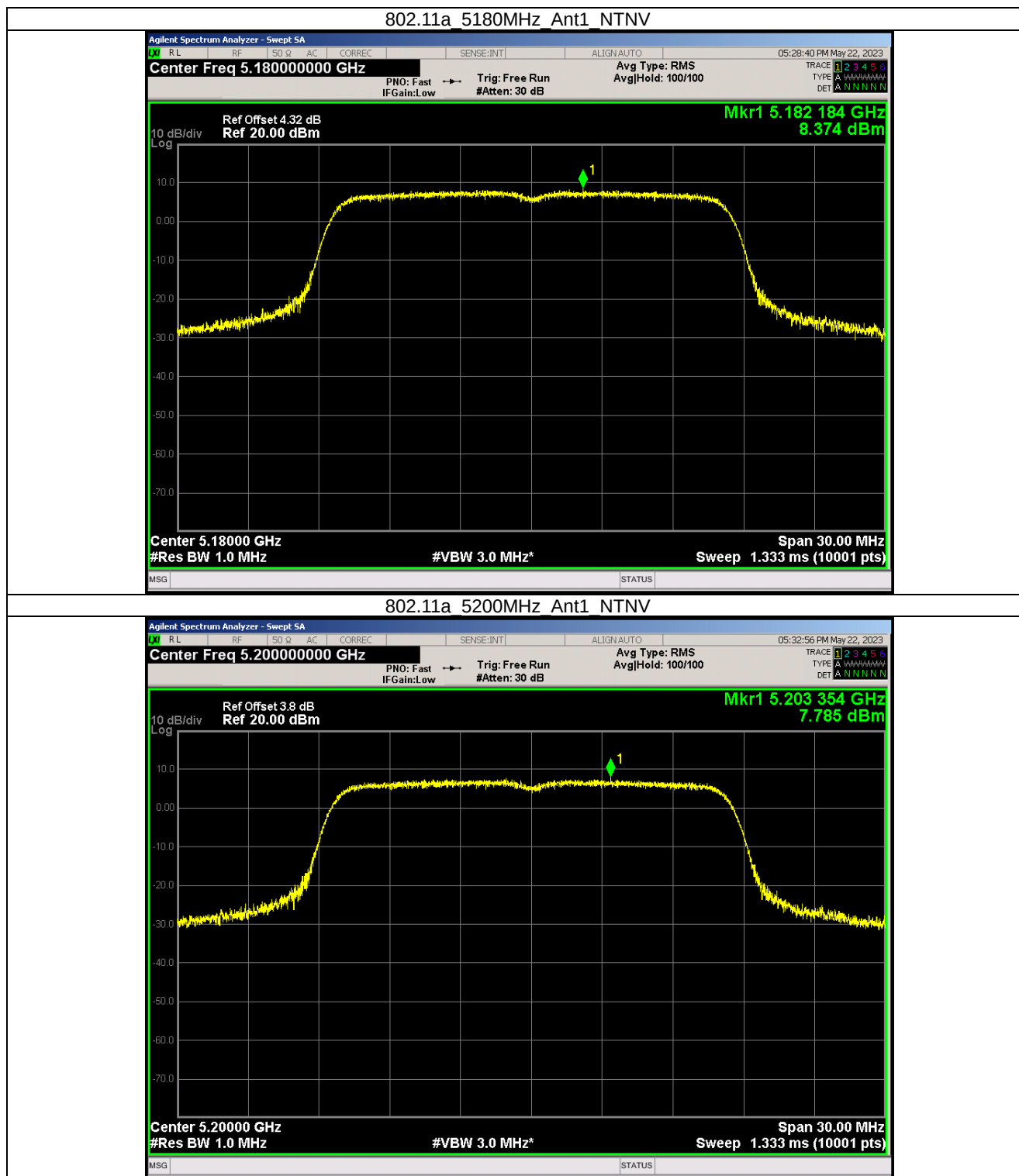
4.1 PSD

4.1.1 Test Result

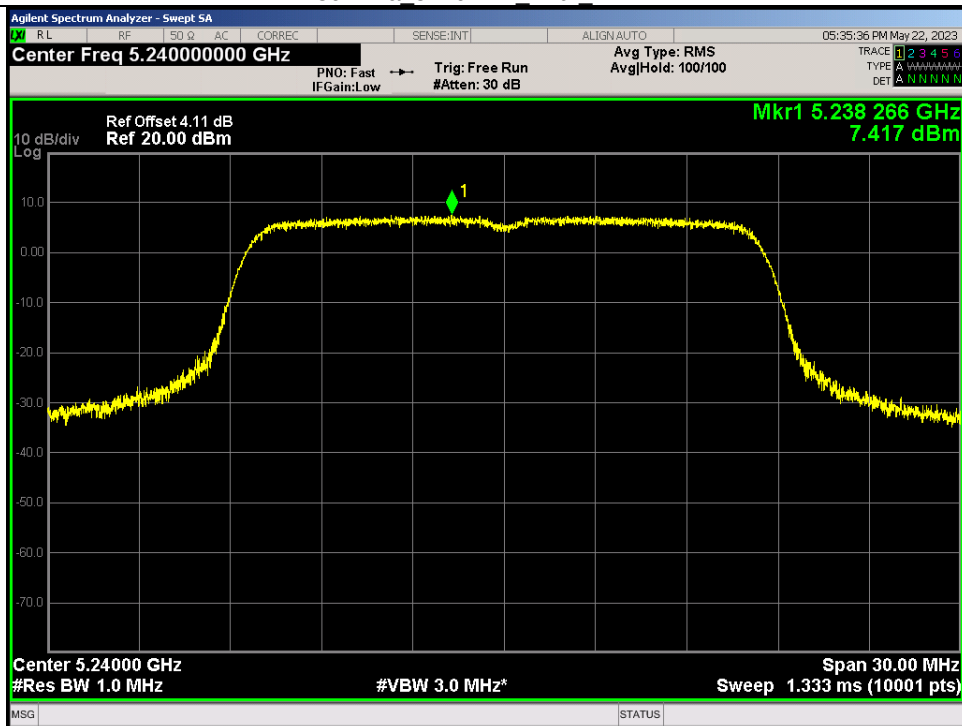
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)		Verdict
			ANT1	Limit	
802.11a	SISO	5180	8.374	<=11	Pass
		5200	7.785	<=11	Pass
		5240	7.417	<=11	Pass
		5260	7.851	<=11	Pass
		5300	8.179	<=11	Pass
		5320	8.060	<=11	Pass
		5500	7.898	<=11	Pass
		5580	8.139	<=11	Pass
		5700	7.357	<=11	Pass
		5745	3.821	<=11	Pass
		5785	4.229	<=11	Pass
		5825	4.381	<=11	Pass
802.11n (HT20)	SISO	5180	7.649	<=11	Pass
		5200	7.323	<=11	Pass
		5240	7.586	<=11	Pass
		5260	7.996	<=11	Pass
		5300	7.675	<=11	Pass
		5320	7.542	<=11	Pass
		5500	7.586	<=11	Pass
		5580	7.756	<=11	Pass
		5700	6.911	<=11	Pass
		5745	3.477	<=11	Pass
		5785	3.984	<=11	Pass
		5825	4.136	<=11	Pass
802.11n (HT40)	SISO	5190	4.578	<=11	Pass
		5230	4.885	<=11	Pass
		5270	4.982	<=11	Pass
		5310	4.978	<=11	Pass
		5510	4.488	<=11	Pass
		5550	4.886	<=11	Pass
		5670	4.085	<=11	Pass
		5755	1.036	<=11	Pass
		5795	0.960	<=11	Pass
11AC20	SISO	5180	8.200	<=11	Pass
		5200	7.418	<=11	Pass
		5240	7.305	<=11	Pass
		5260	7.426	<=11	Pass
		5300	7.618	<=11	Pass
		5320	7.217	<=11	Pass
		5500	7.079	<=11	Pass
		5580	8.011	<=11	Pass
		5700	6.899	<=11	Pass
		5745	3.582	<=11	Pass
		5785	4.037	<=11	Pass
		5825	3.799	<=11	Pass
11AC40	SISO	5190	4.850	<=11	Pass
		5230	4.694	<=11	Pass
		5270	4.998	<=11	Pass

		5310	4.898	<=11	Pass
		5510	4.312	<=11	Pass
		5550	4.841	<=11	Pass
		5670	3.925	<=11	Pass
		5755	0.961	<=11	Pass
		5795	0.929	<=11	Pass
11AC80	SISO	5210	0.923	<=11	Pass
		5290	1.500	<=11	Pass
		5530	0.957	<=11	Pass
		5610	1.576	<=11	Pass
		5775	-1.884	<=11	Pass
11AC160	SISO	5250_UNII-1	-2.396	<=11	Pass
		5250_UNII-2A	-2.163	<=11	Pass
		5570	-1.119	<=11	Pass
Note1: Antenna Gain: 5150-5350MHz:0.3 dBi,5470-5725MHz:0.7dBi,5745-5825MHz:1.5dBi					

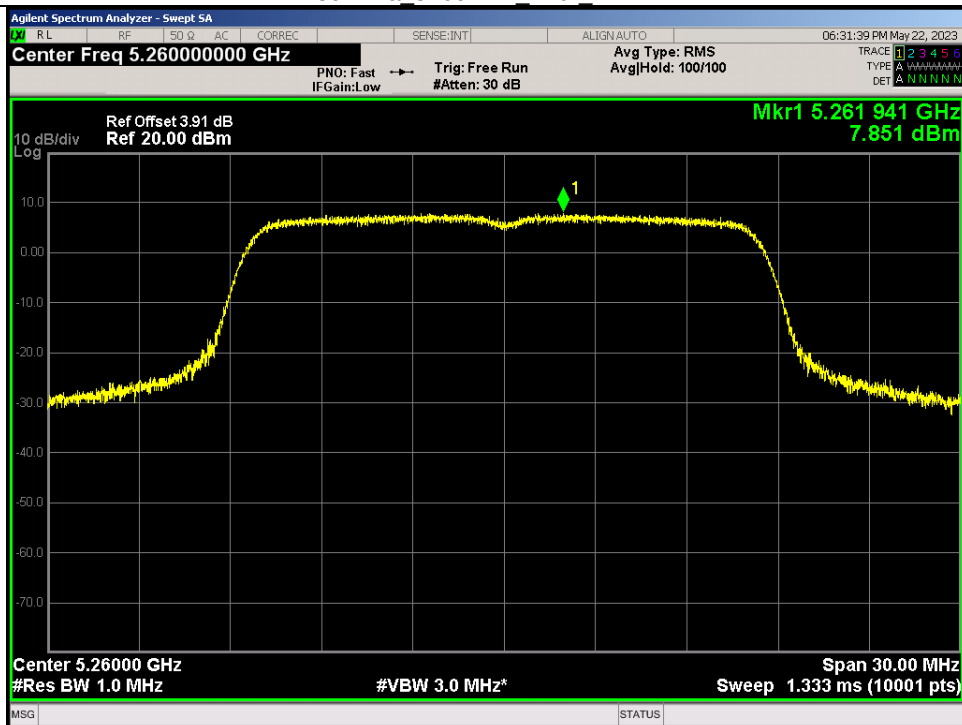
4.1.2 Test Graph



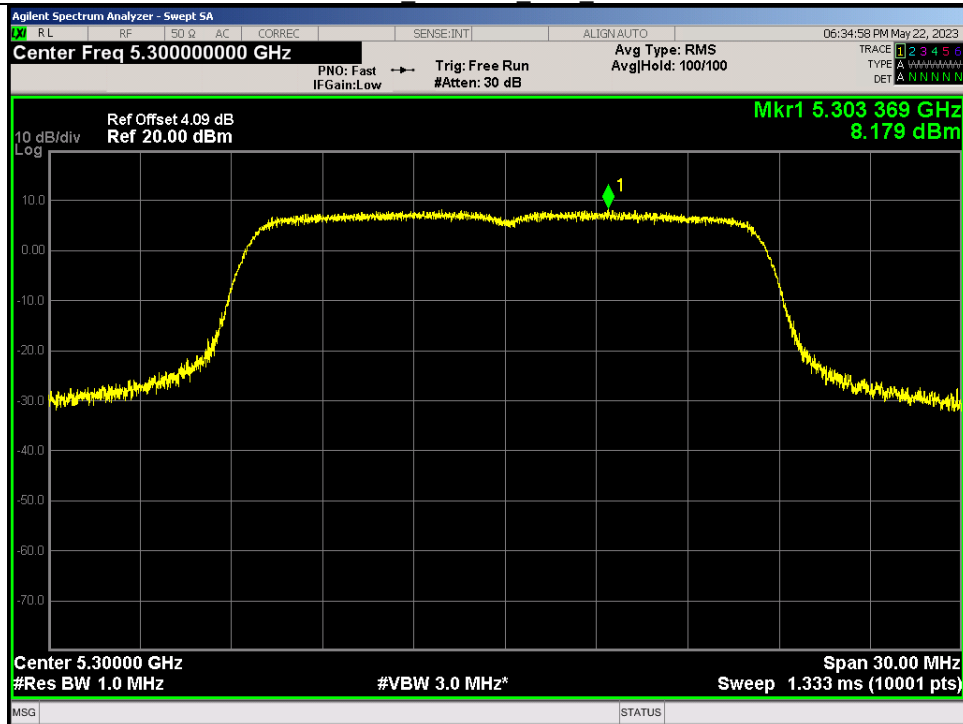
802.11a 5240MHz Ant1 NTN



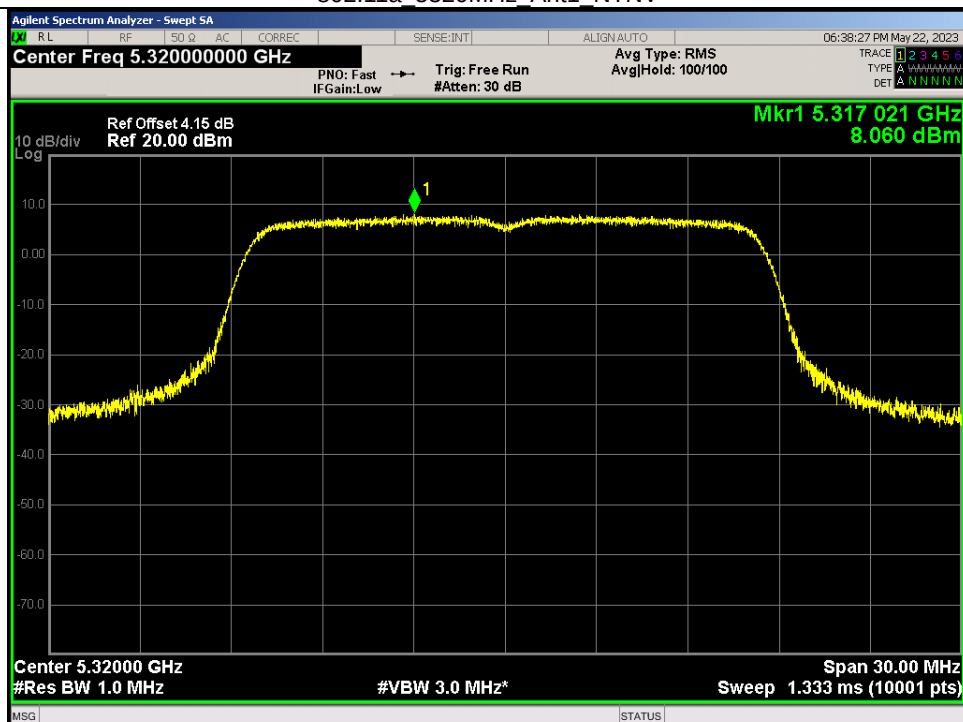
802.11a 5260MHz Ant1 NTN



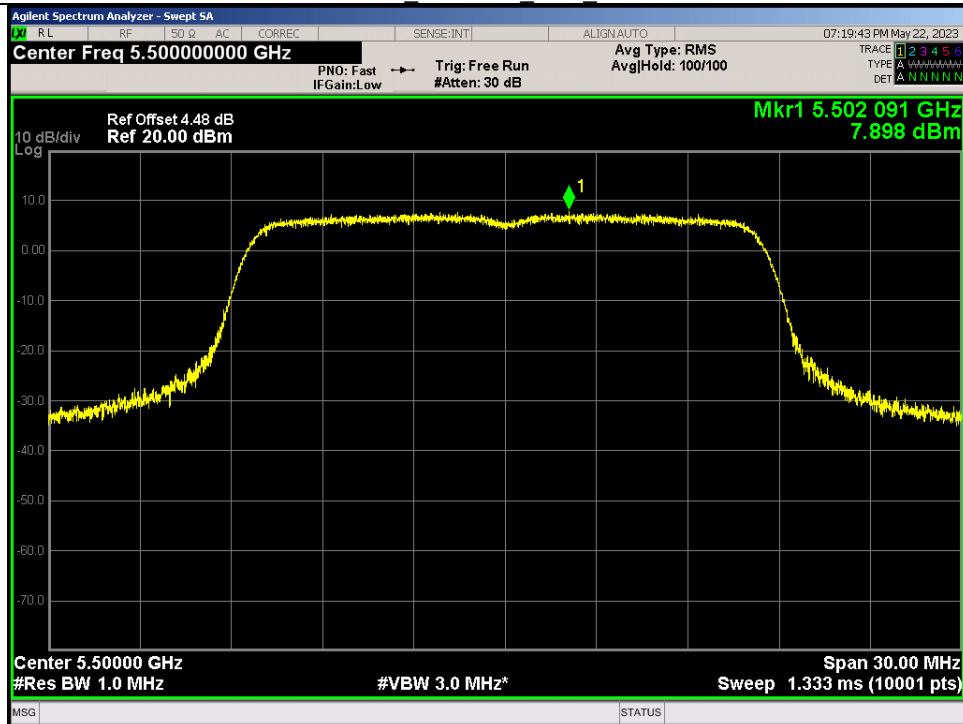
802.11a 5300MHz Ant1 NTN



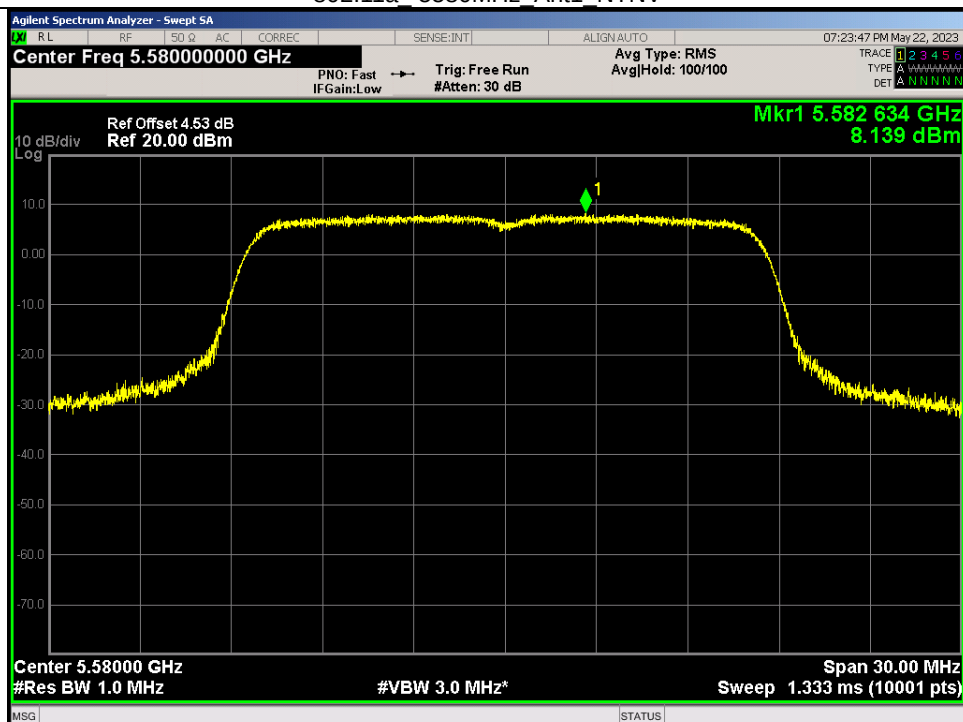
802.11a 5320MHz Ant1 NTN



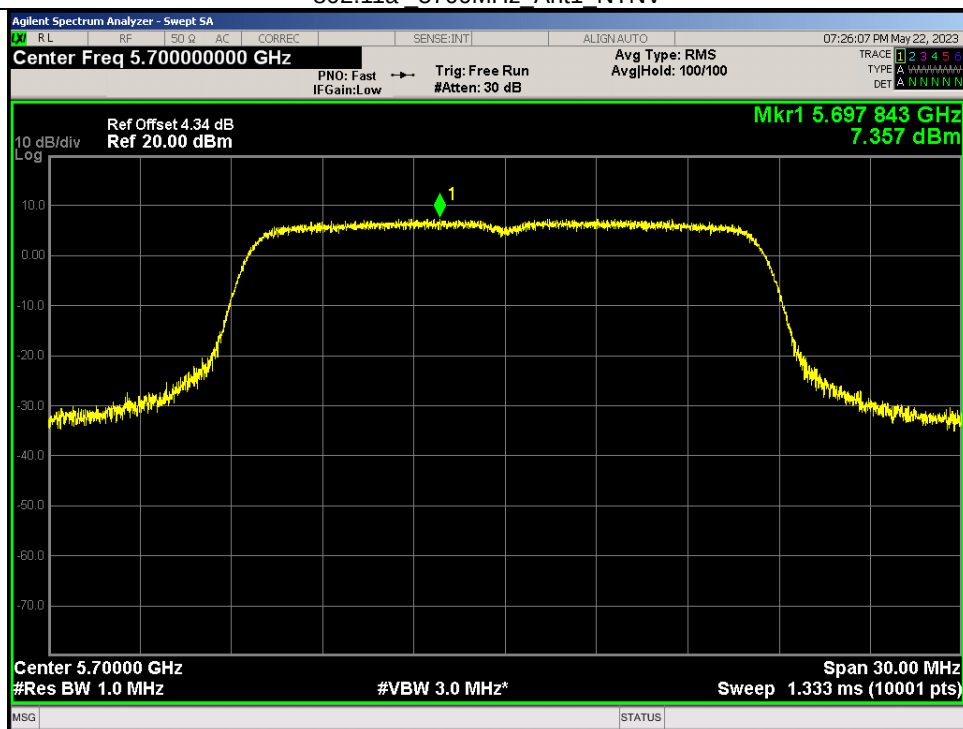
802.11a 5550MHz Ant1 NTN



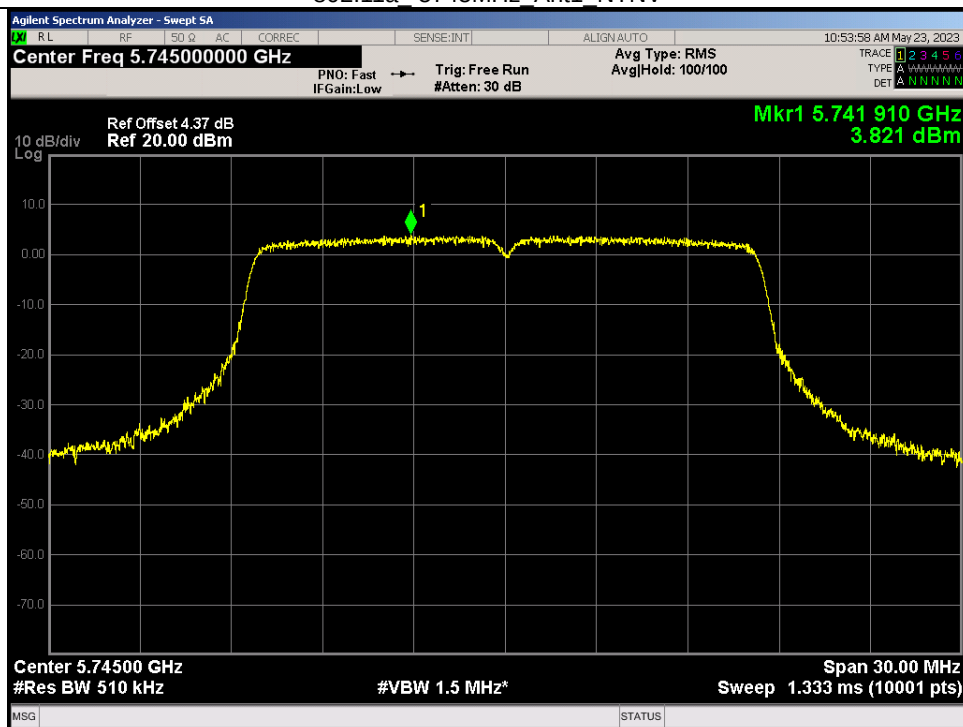
802.11a 5580MHz Ant1 NTN



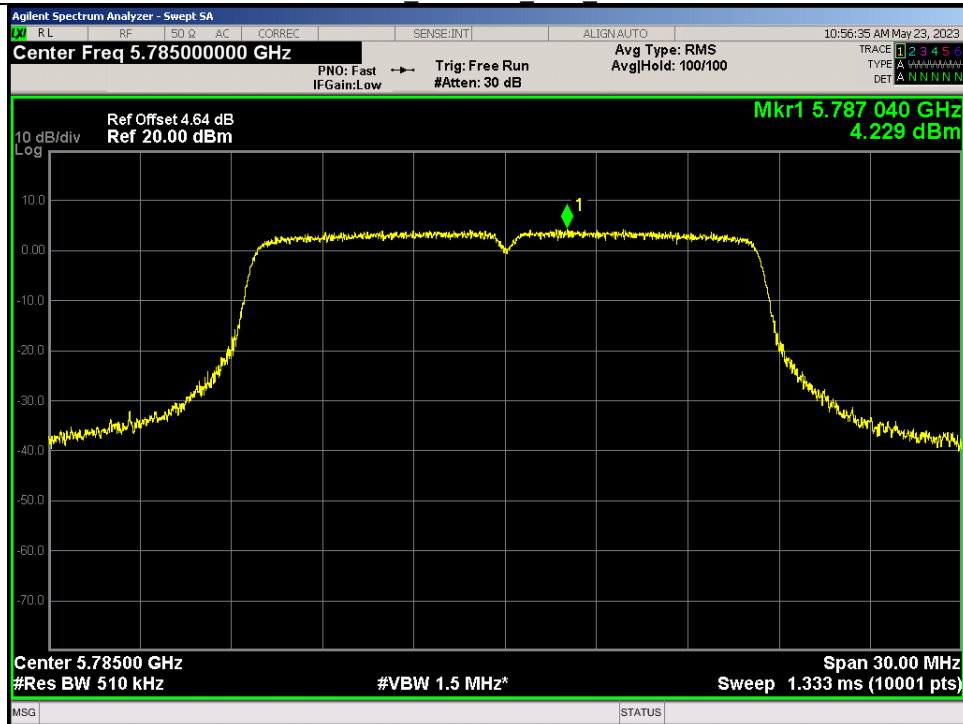
802.11a 5700MHz Ant1 NTN



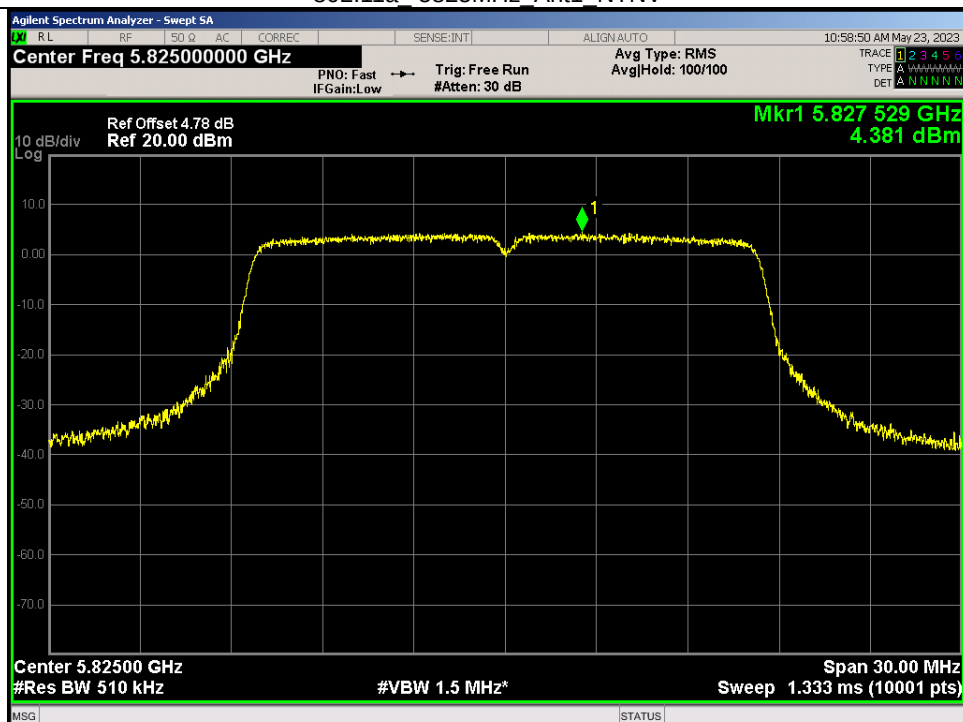
802.11a 5745MHz Ant1 NTN



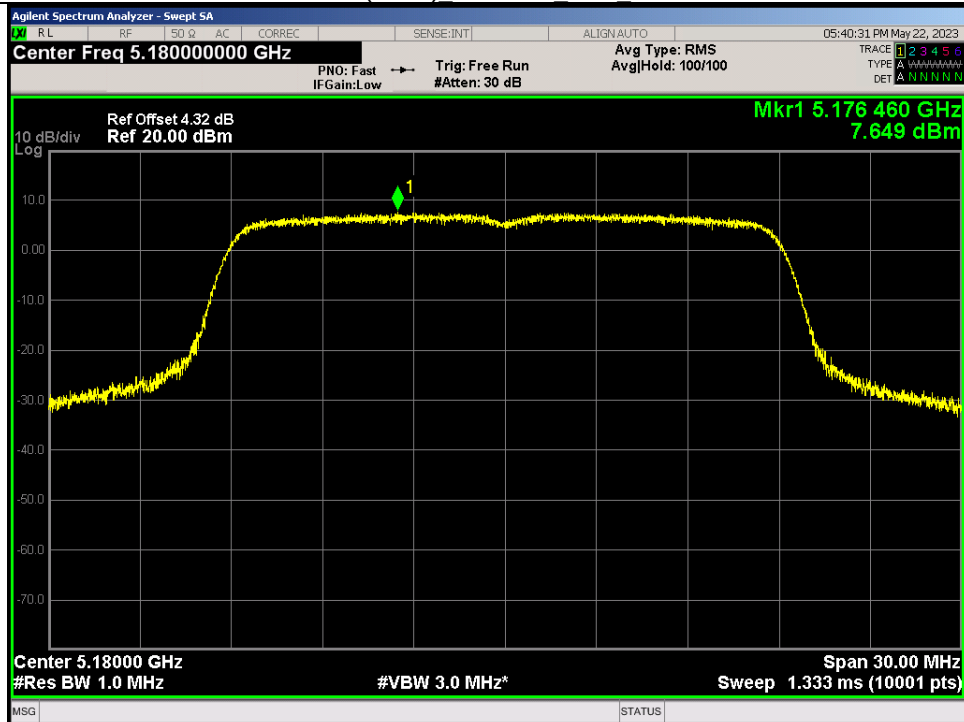
802.11a 5785MHz Ant1 NTN



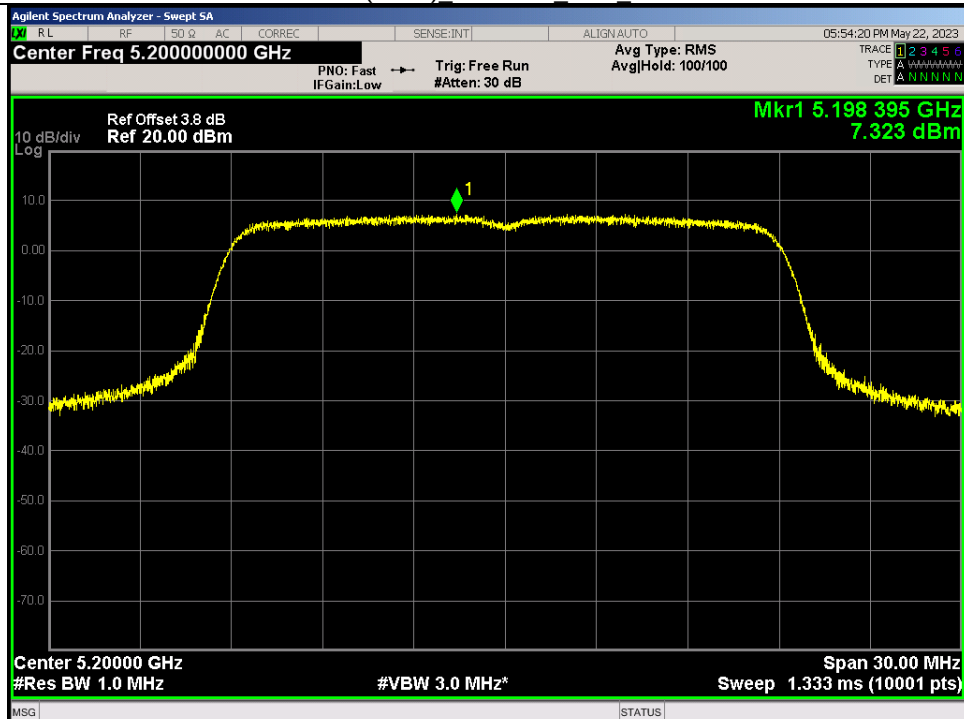
802.11a 5825MHz Ant1 NTN



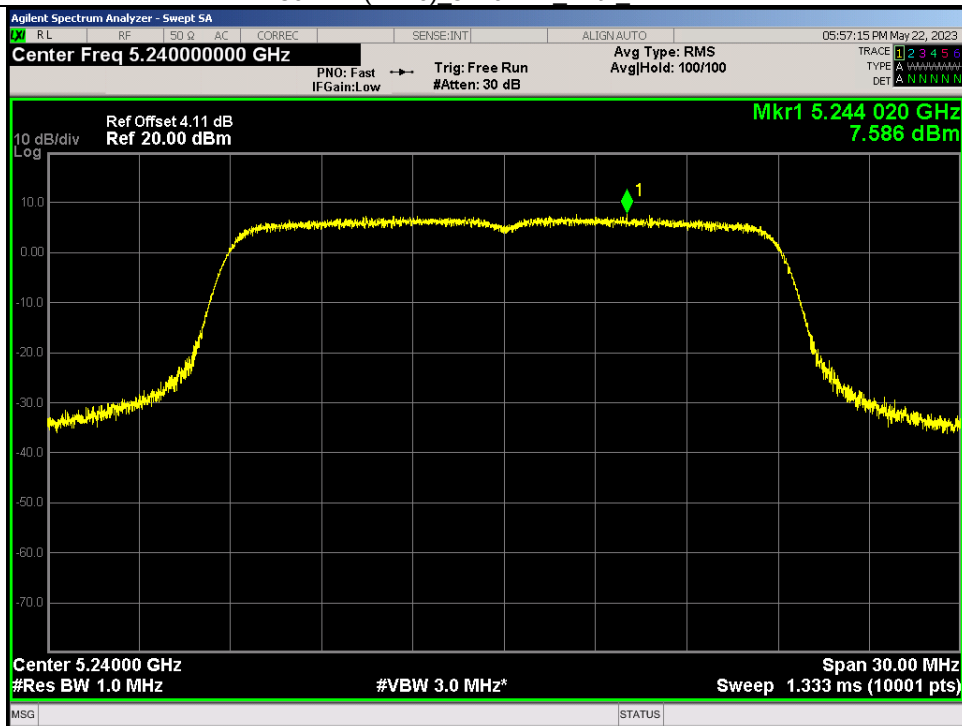
802.11n(HT20) 5180MHz Ant1 NTN



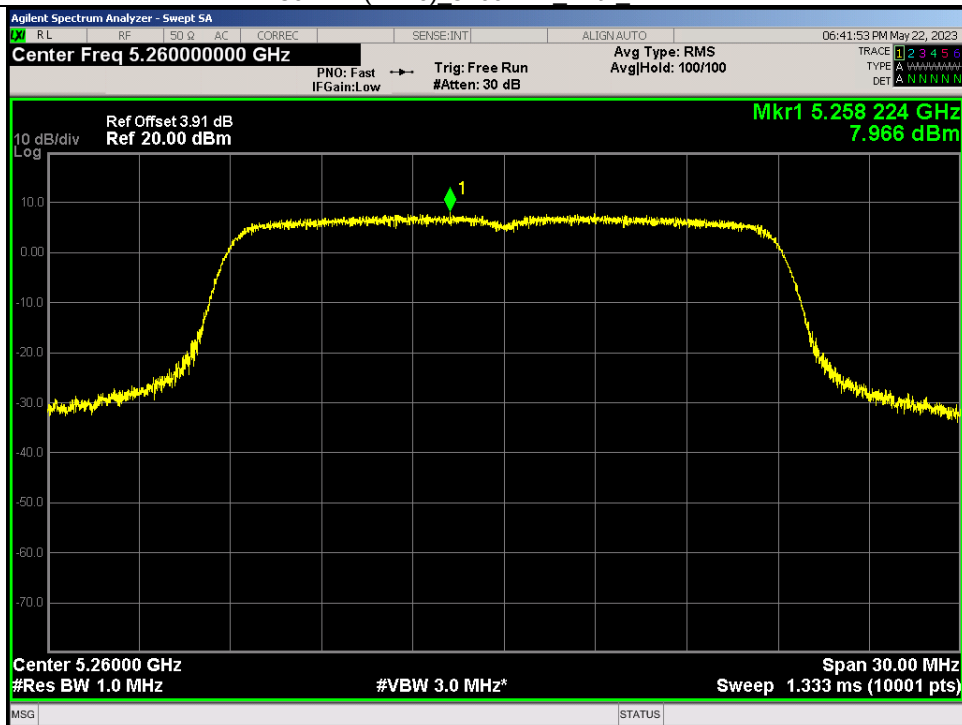
802.11n(HT20) 5200MHz Ant1 NTN



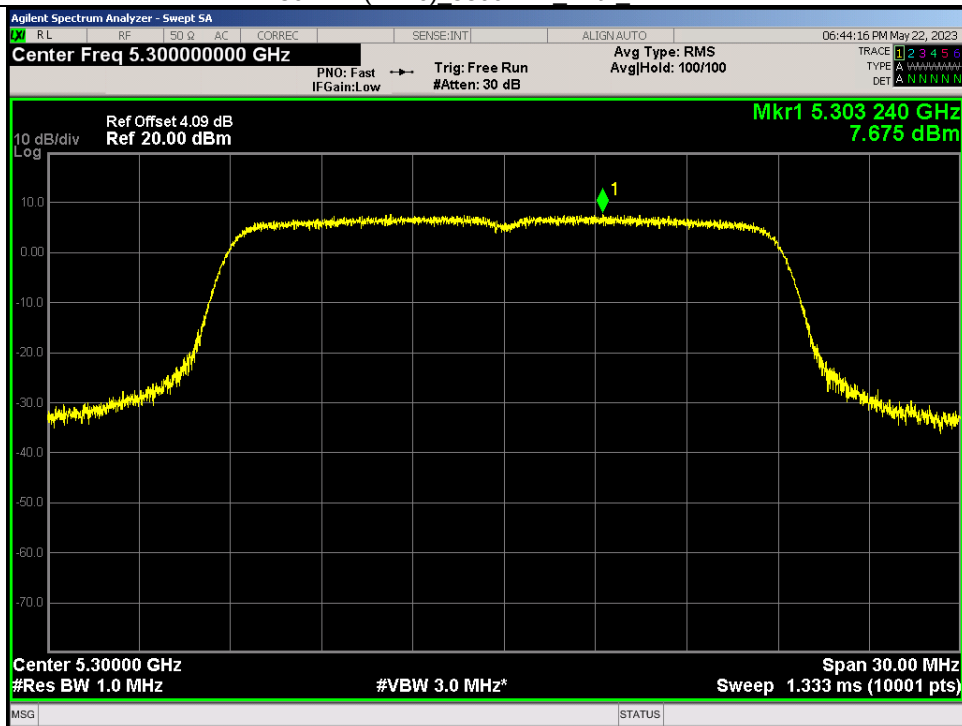
802.11n(HT20) 5240MHz Ant1 NTN



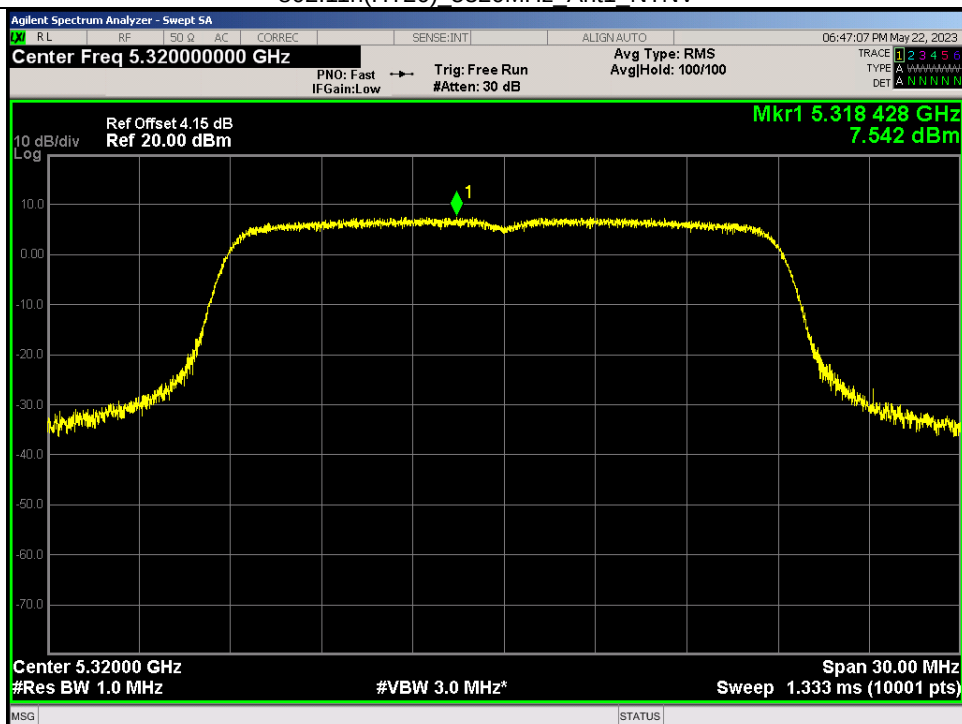
802.11n(HT20) 5260MHz Ant1 NTN



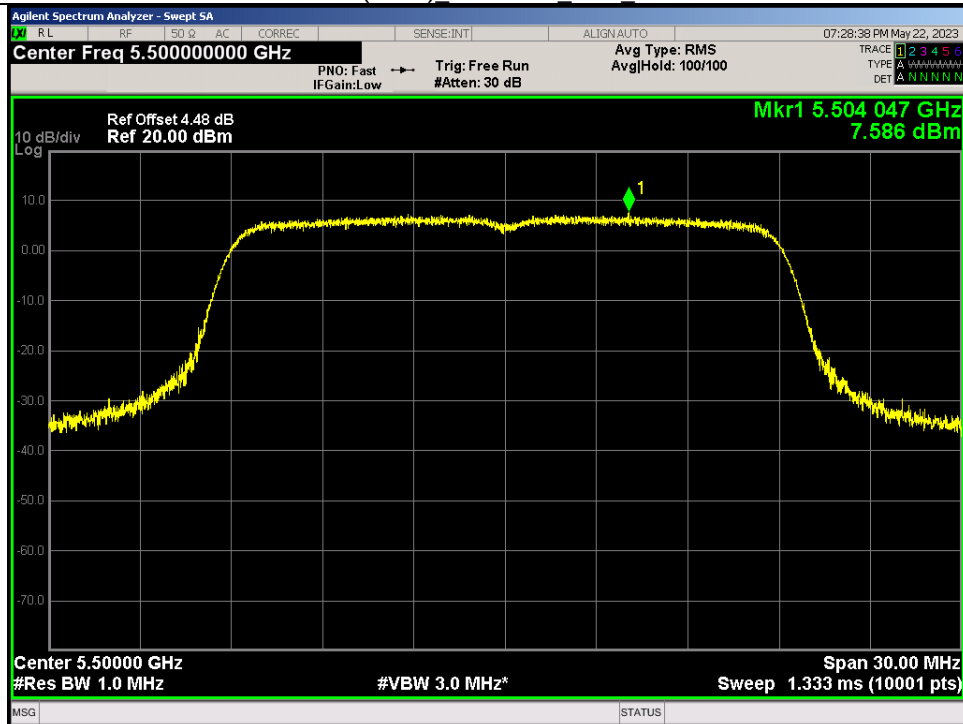
802.11n(HT20) 5300MHz Ant1 NTN



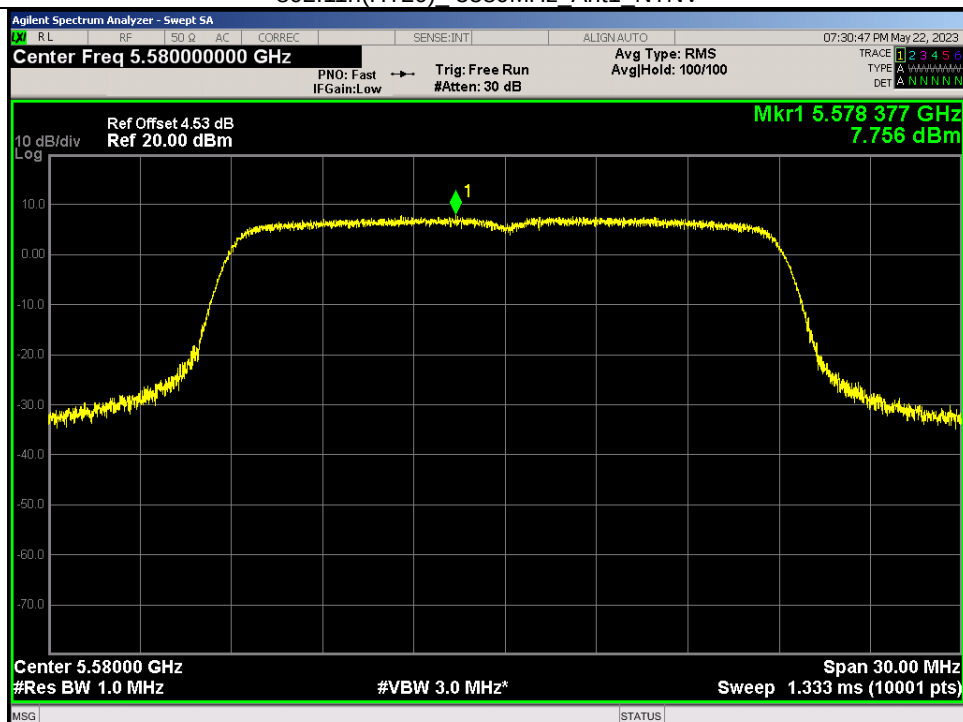
802.11n(HT20) 5320MHz Ant1 NTN



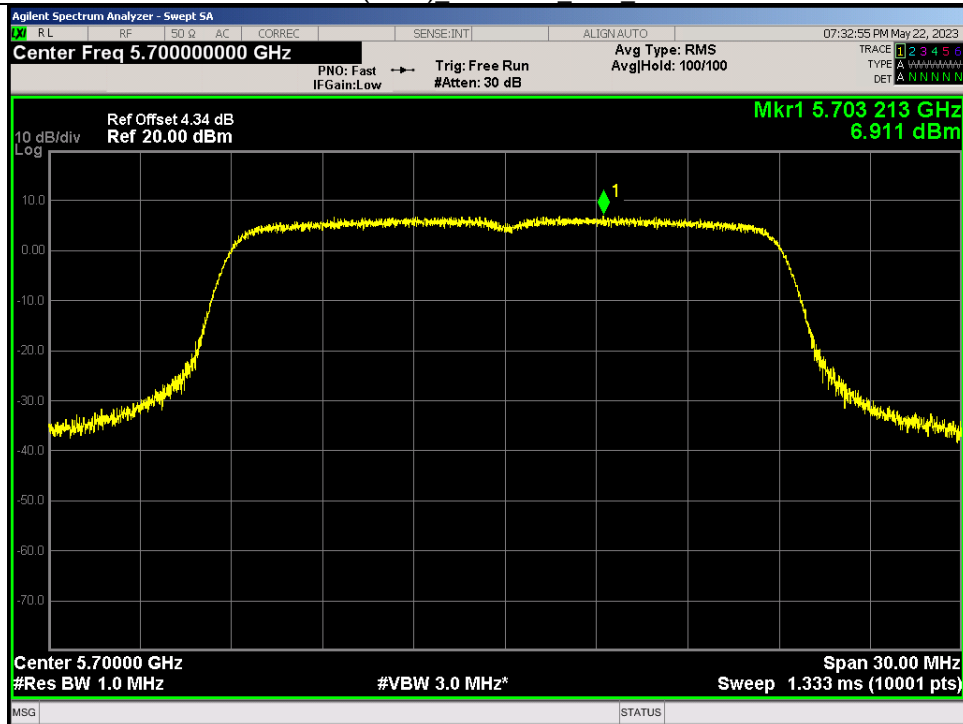
802.11n(HT20) 5550MHz Ant1 NTN



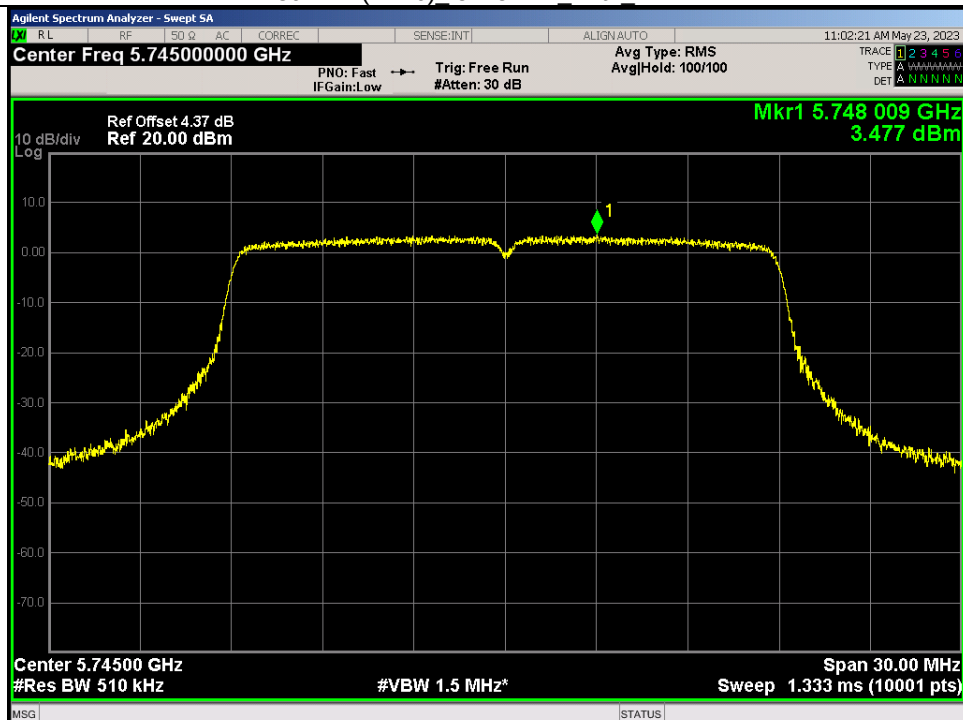
802.11n(HT20) 5580MHz Ant1 NTN



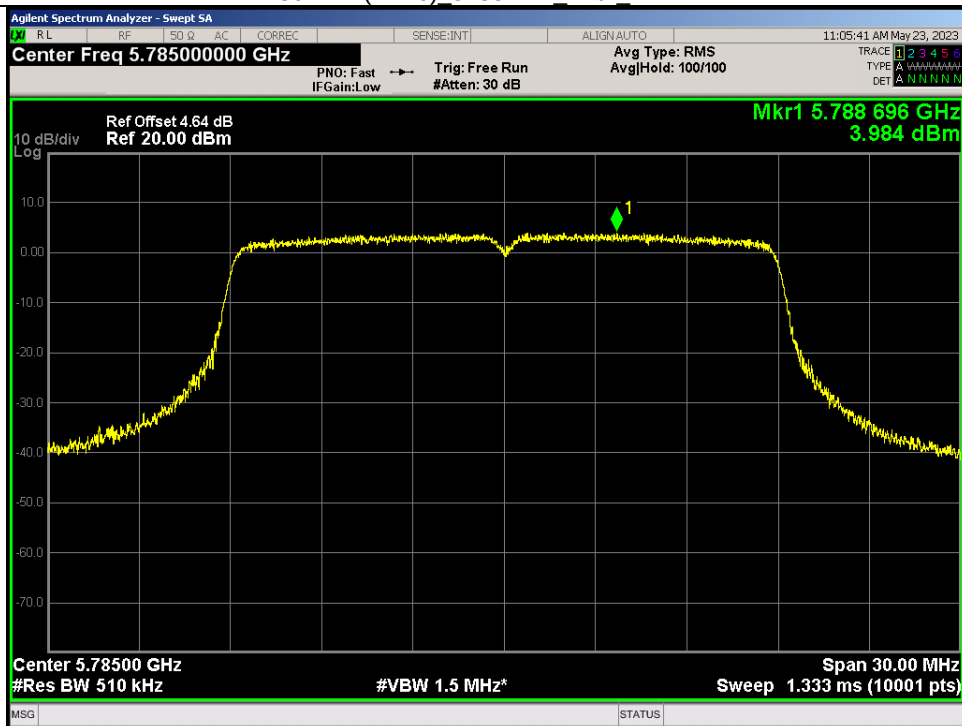
802.11n(HT20) 5700MHz Ant1 NTN



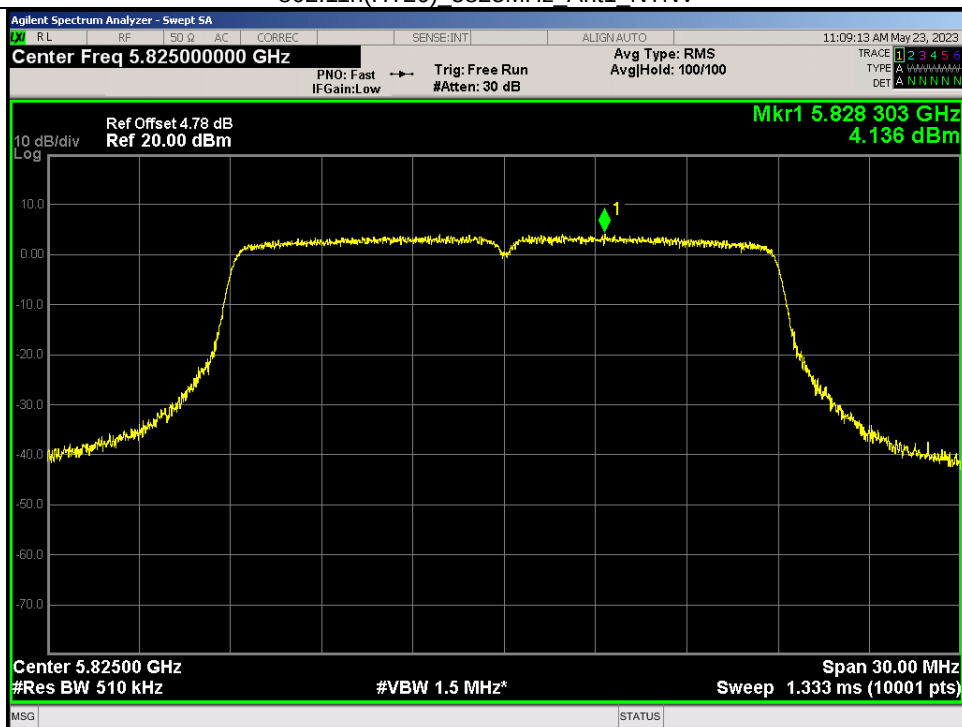
802.11n(HT20) 5745MHz Ant1 NTN



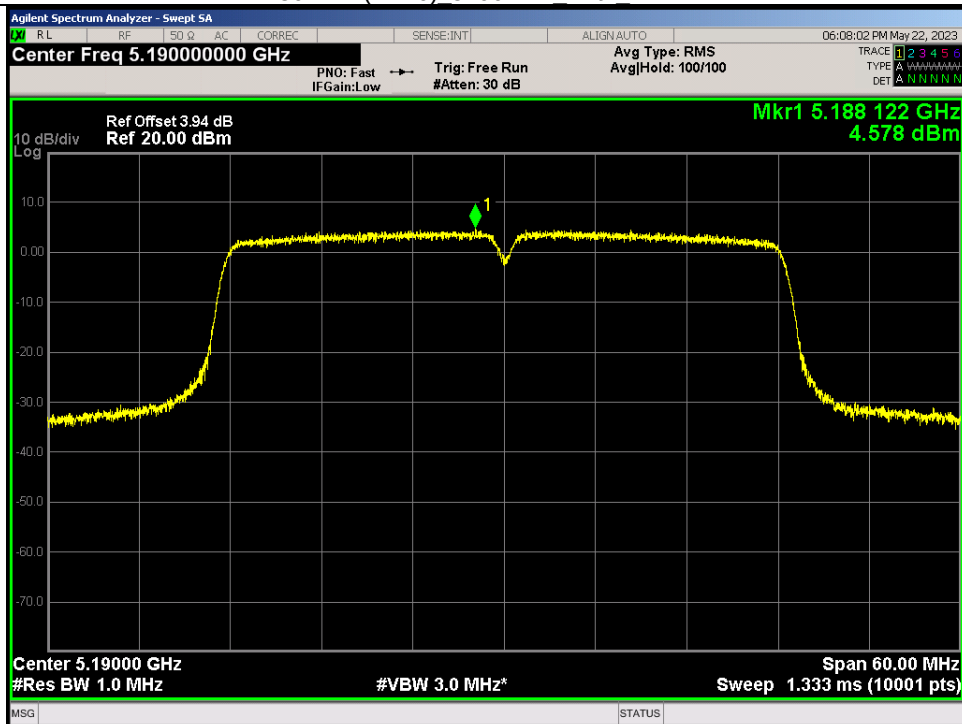
802.11n(HT20) 5785MHz Ant1 NTN



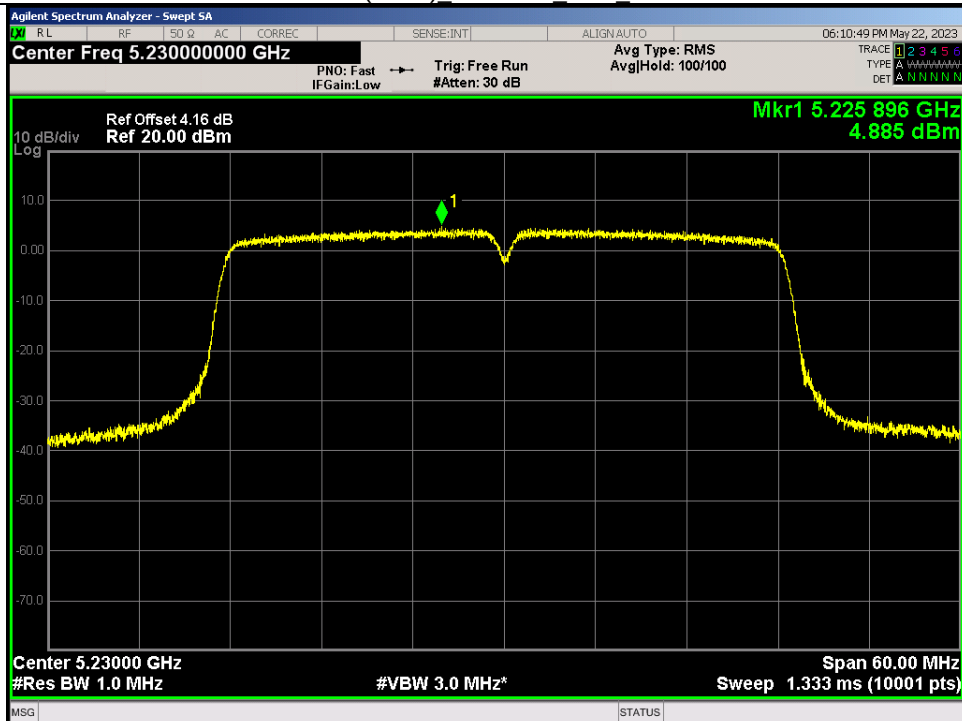
802.11n(HT20) 5825MHz Ant1 NTN



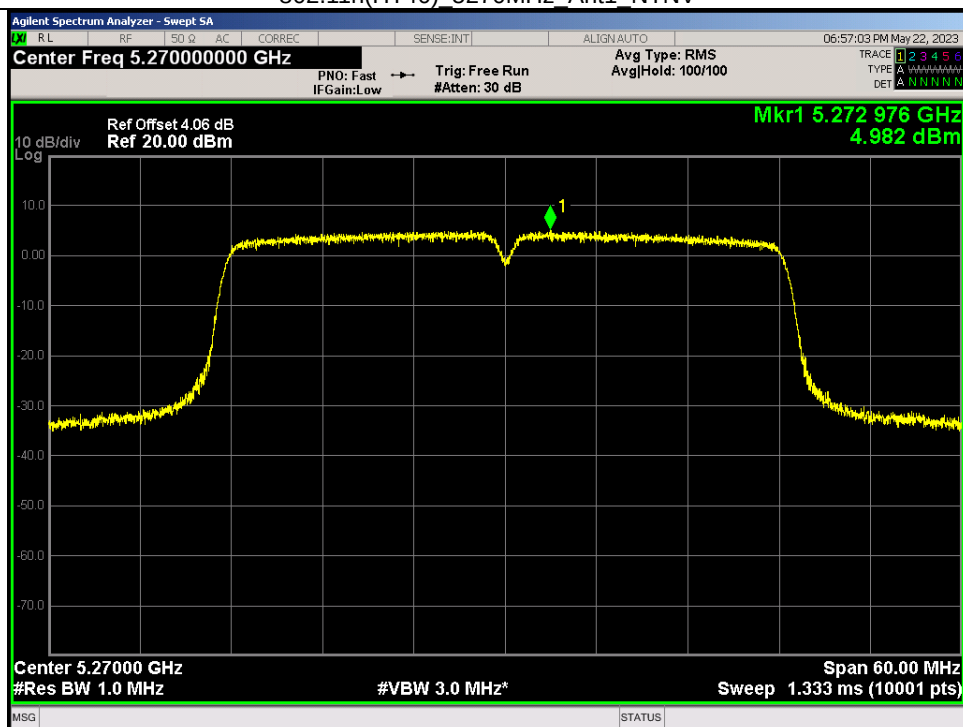
802.11n(HT40) 5190MHz Ant1 NTN



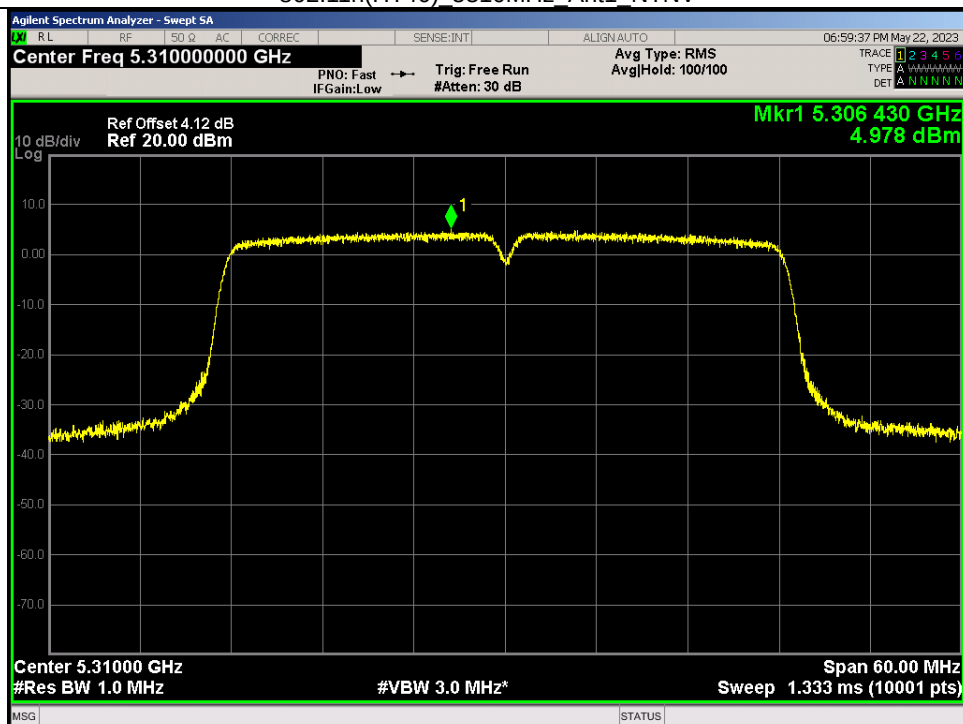
802.11n(HT40) 5230MHz Ant1 NTN



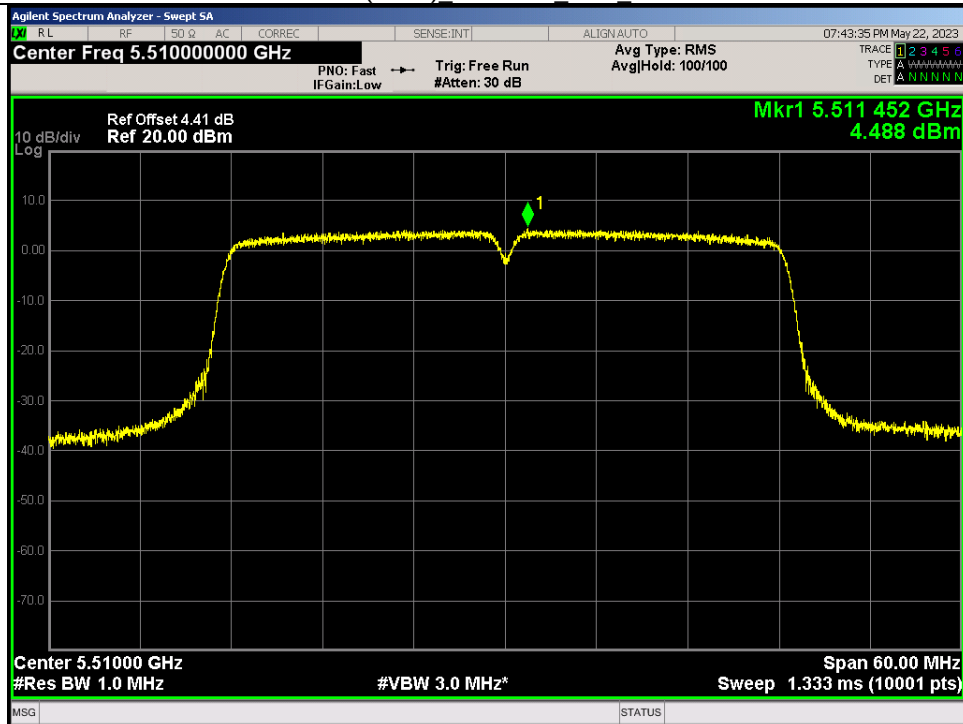
802.11n(HT40) 5270MHz Ant1 NTN



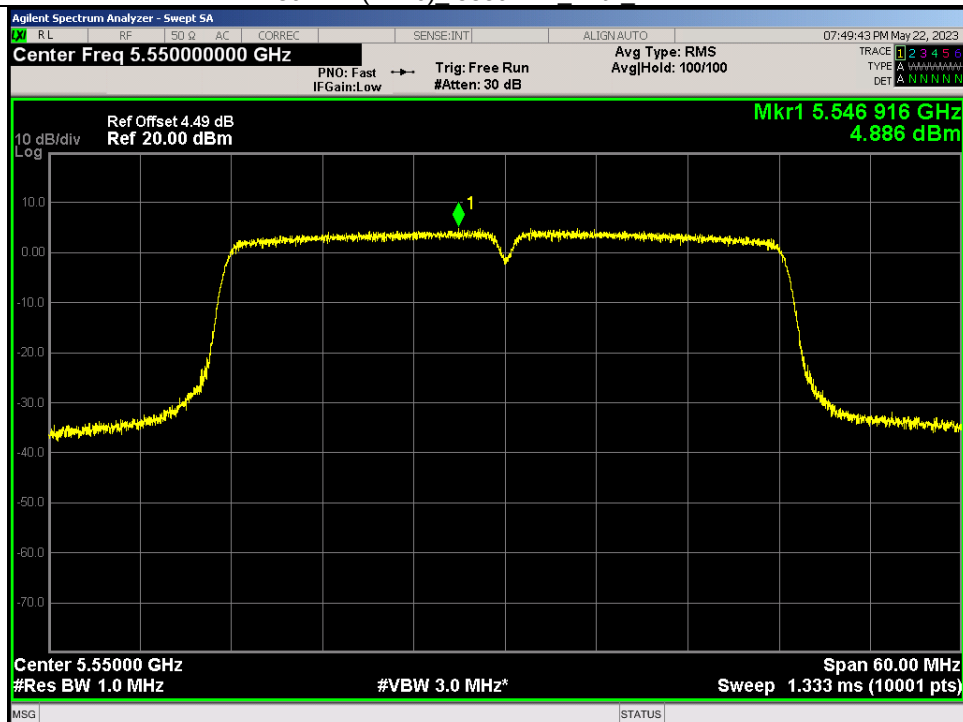
802.11n(HT40) 5310MHz Ant1 NTN



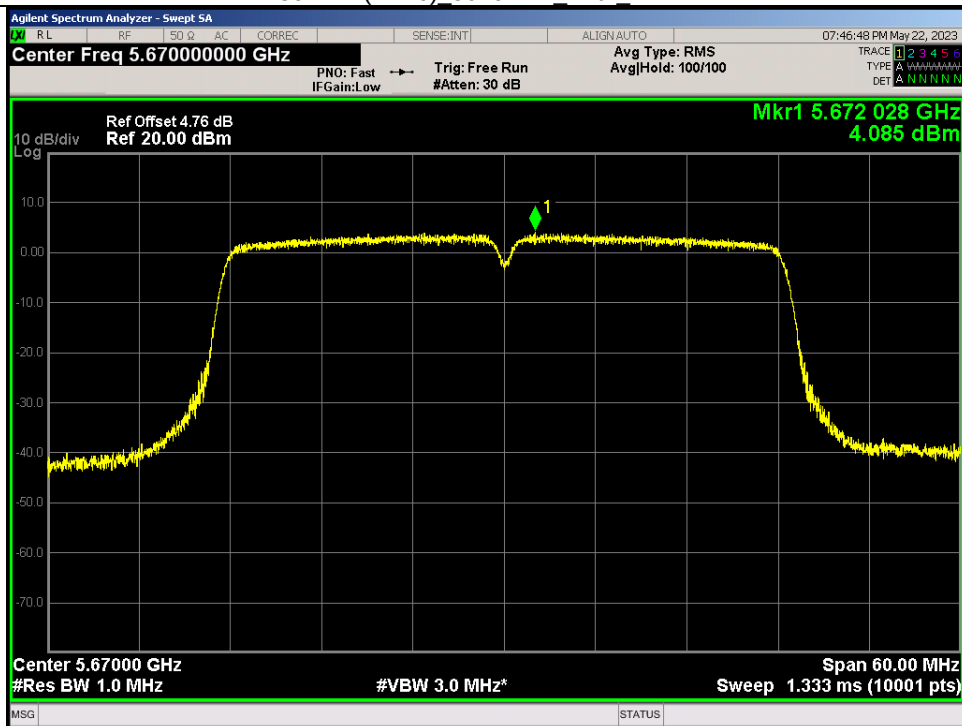
802.11n(HT40) 5510MHz Ant1 NTN



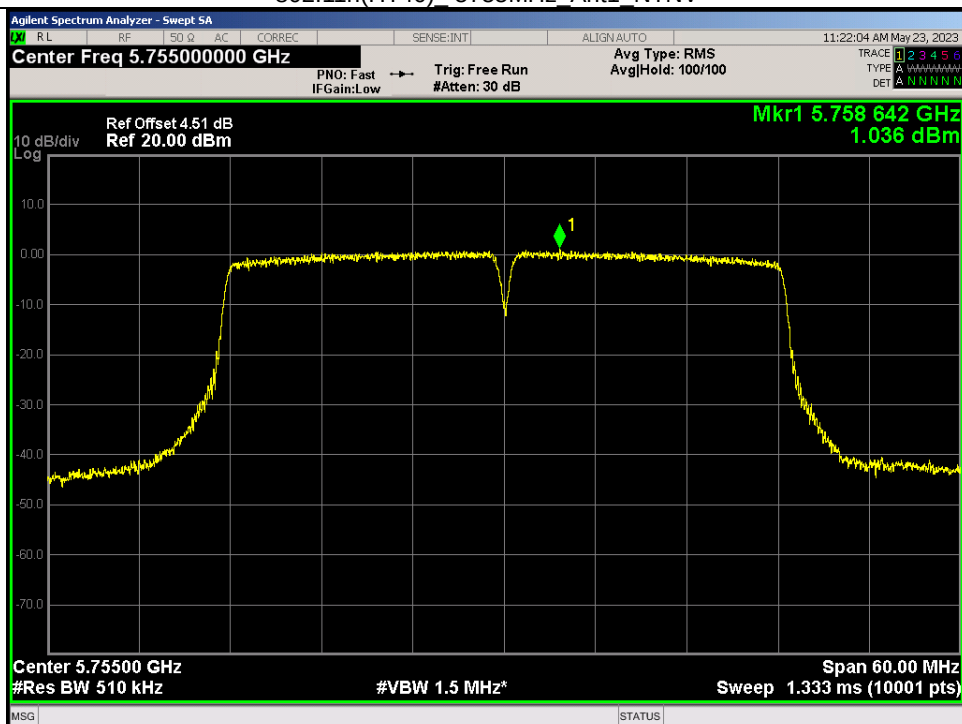
802.11n(HT40) 5550MHz Ant1 NTN



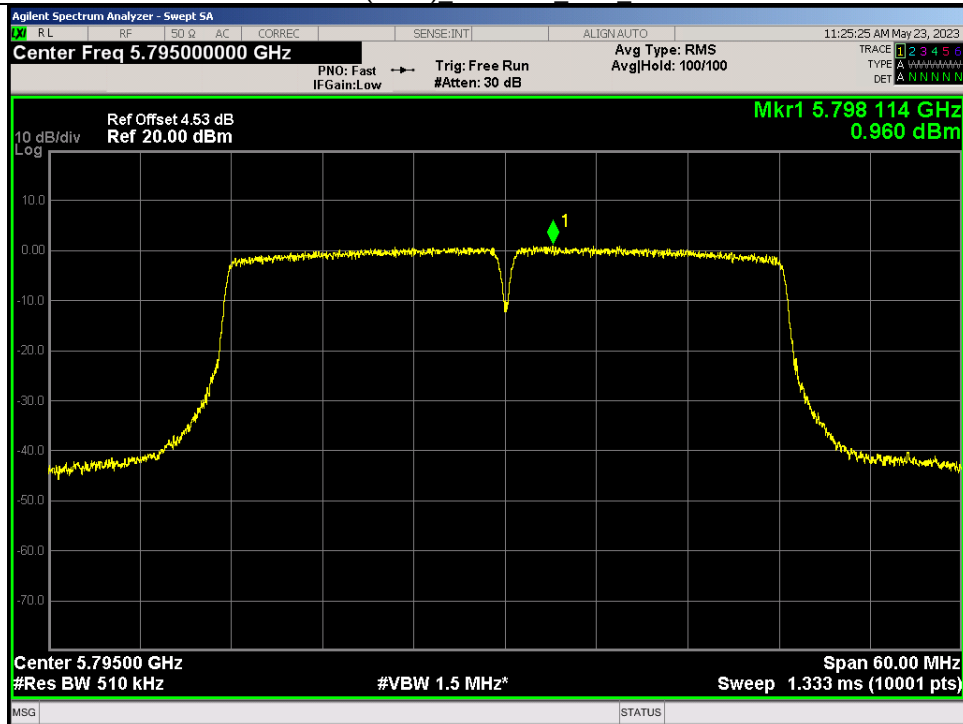
802.11n(HT40) 5670MHz Ant1 NTN



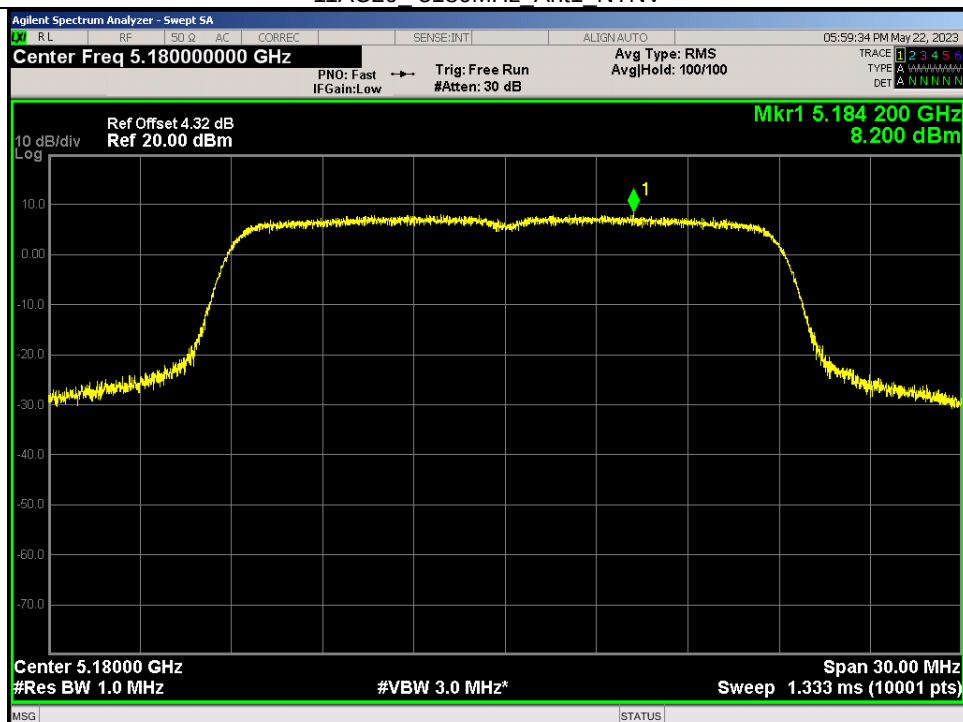
802.11n(HT40) 5755MHz Ant1 NTN



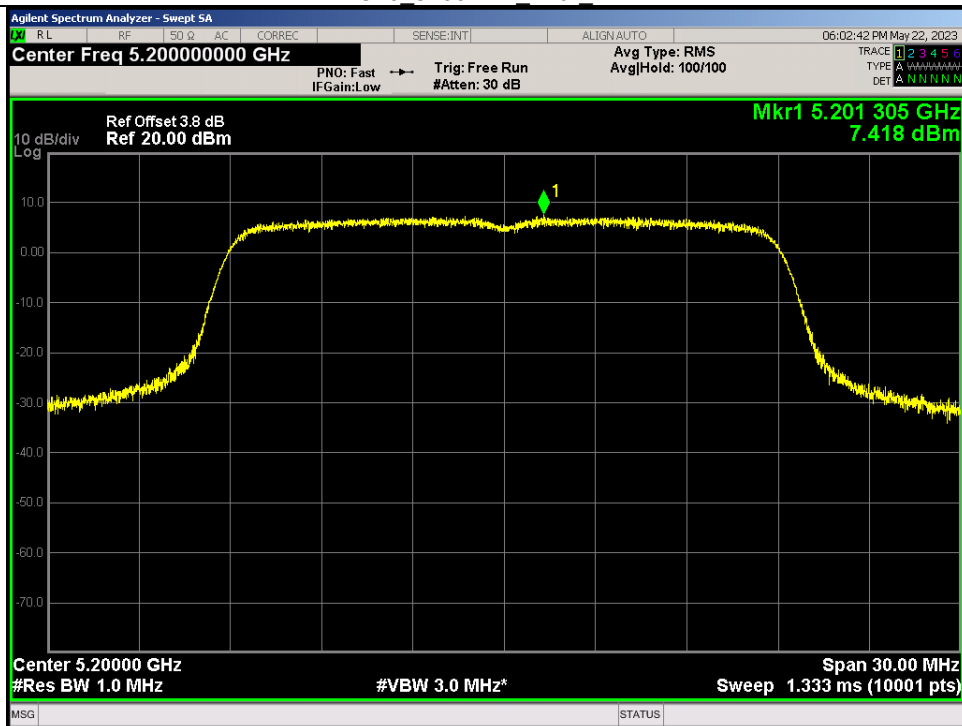
802.11n(HT40) 5795MHz Ant1 NTN



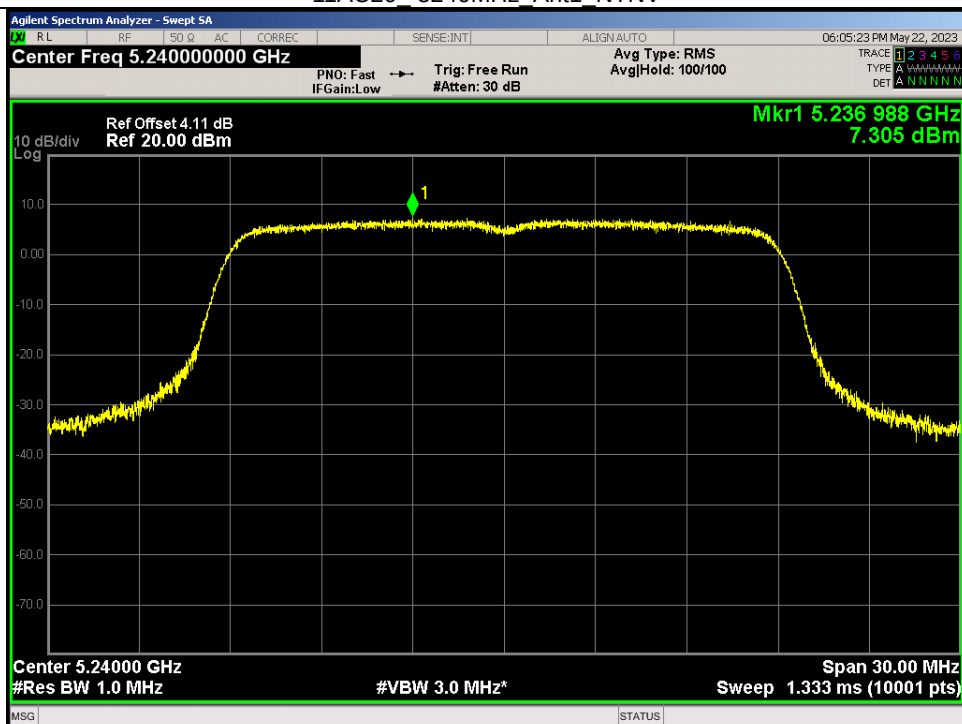
11AC20 5180MHz Ant1 NTN



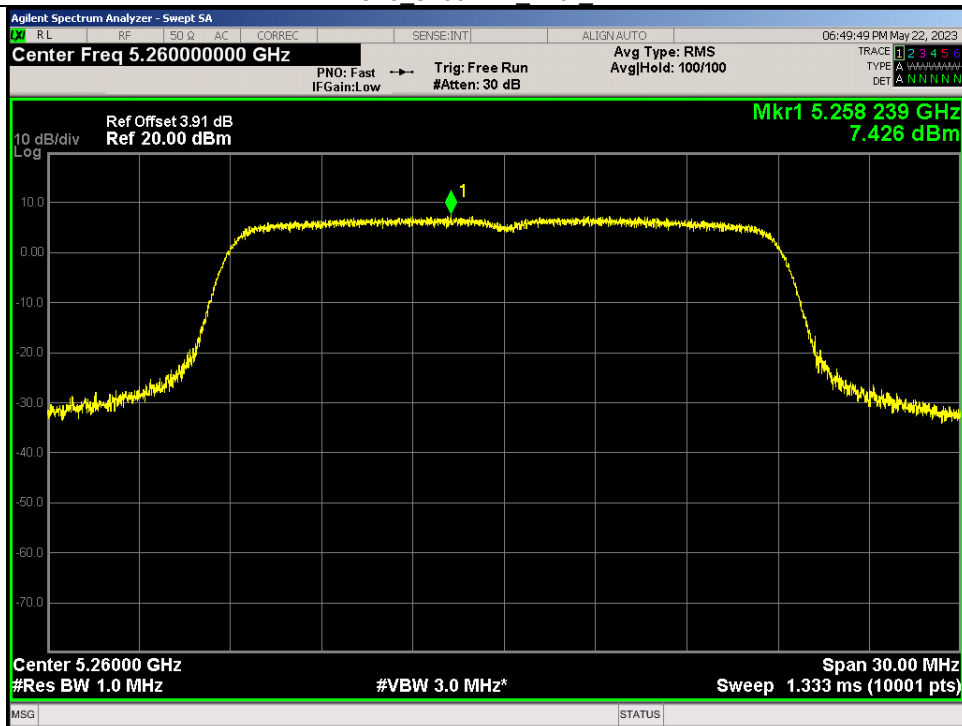
11AC20 5200MHz Ant1 NTN



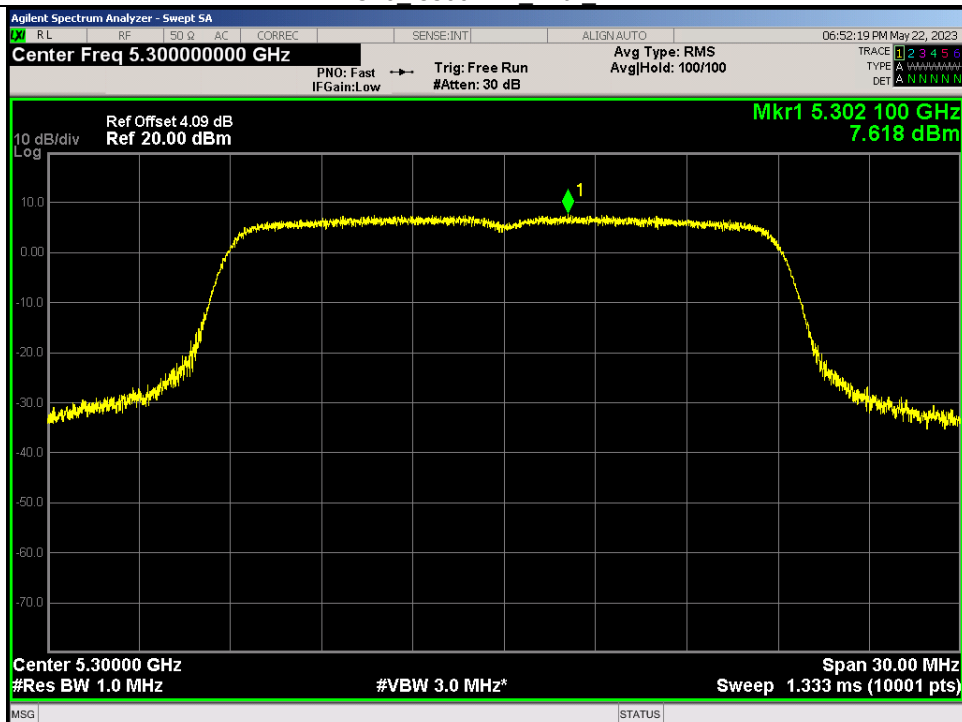
11AC20 5240MHz Ant1 NTN



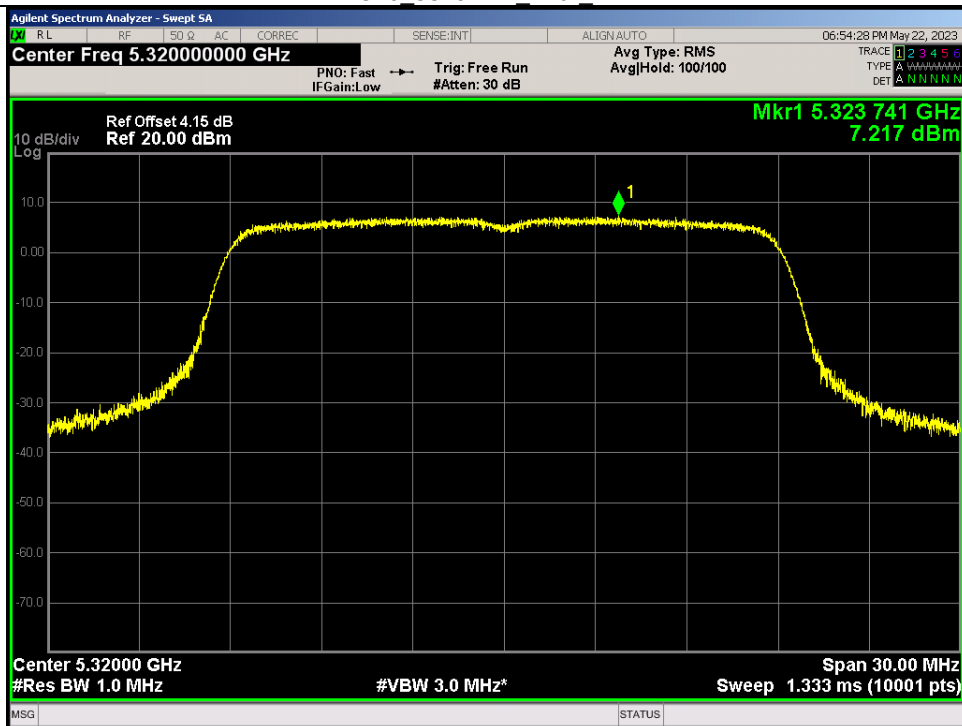
11AC20 5260MHz Ant1 NTN



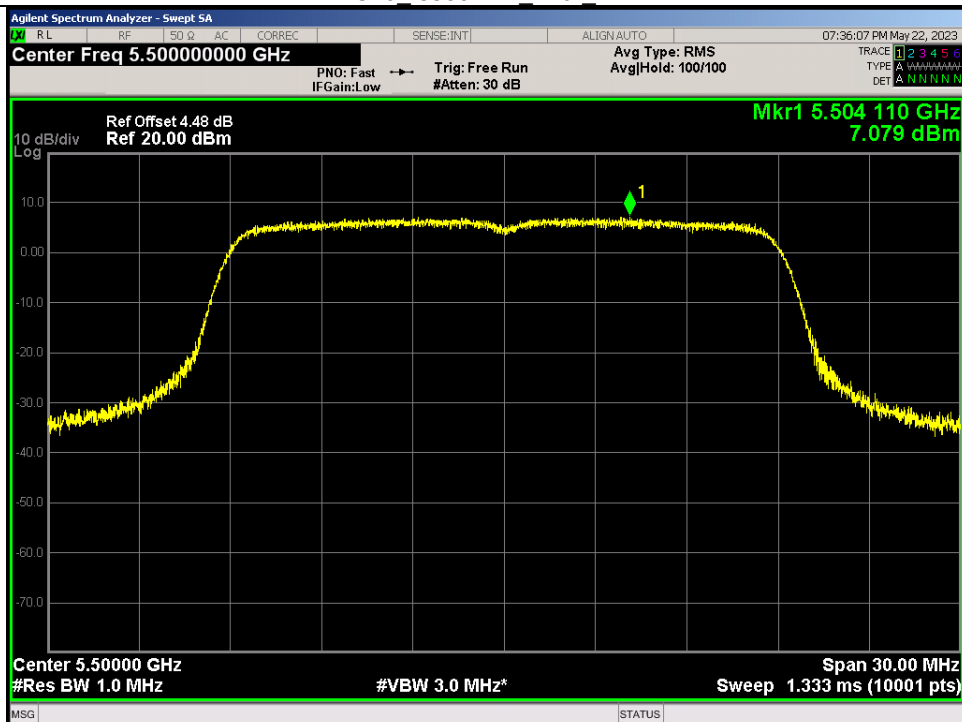
11AC20 5300MHz Ant1 NTN



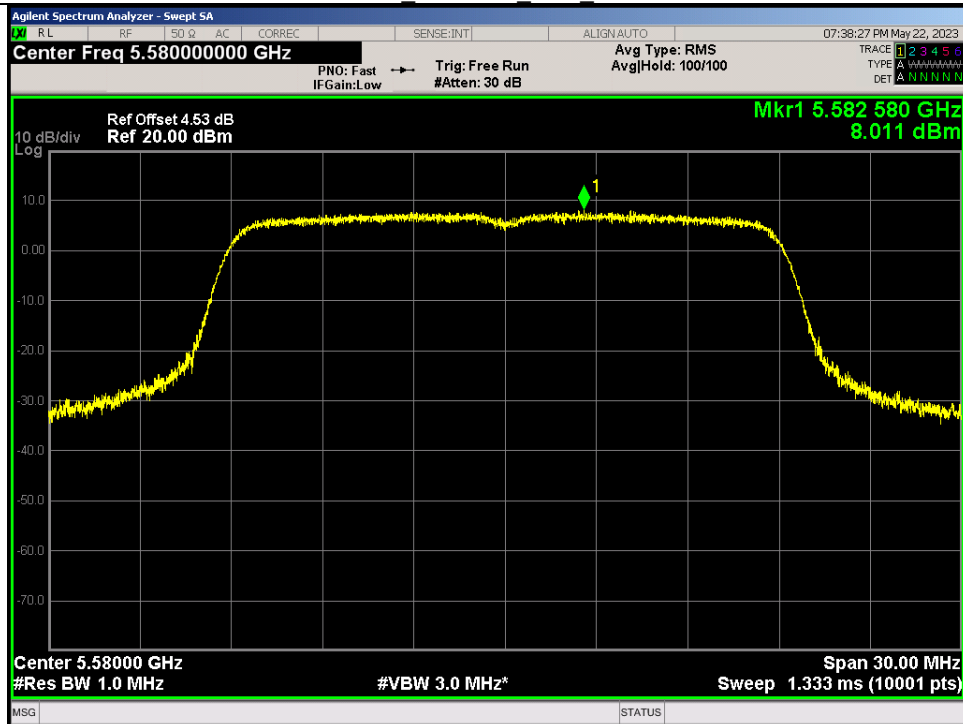
11AC20 5320MHz Ant1 NTN



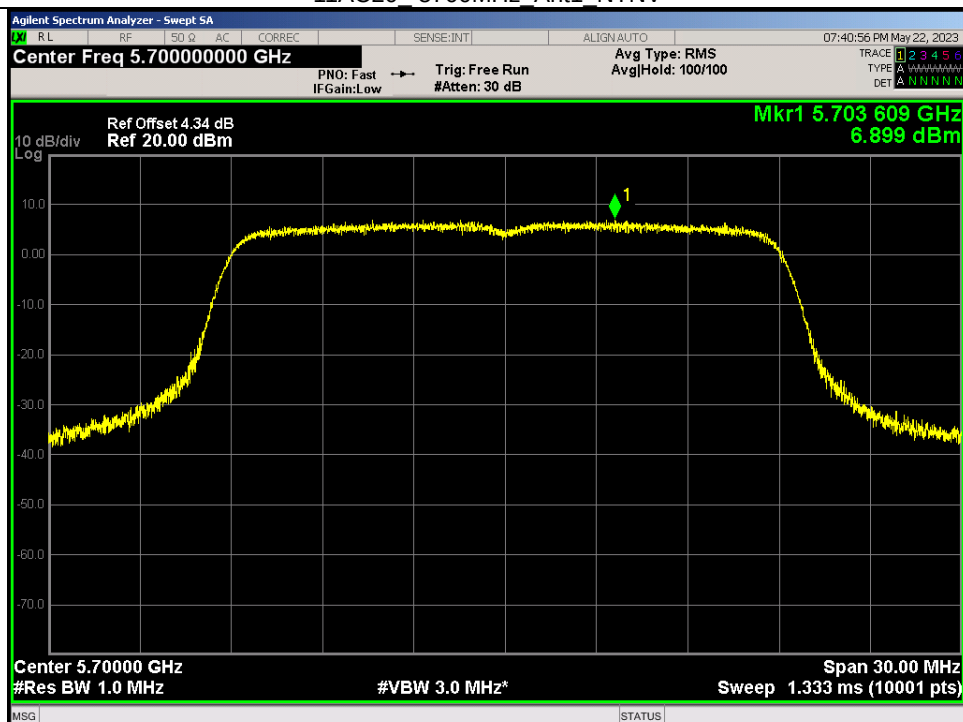
11AC20 5500MHz Ant1 NTN



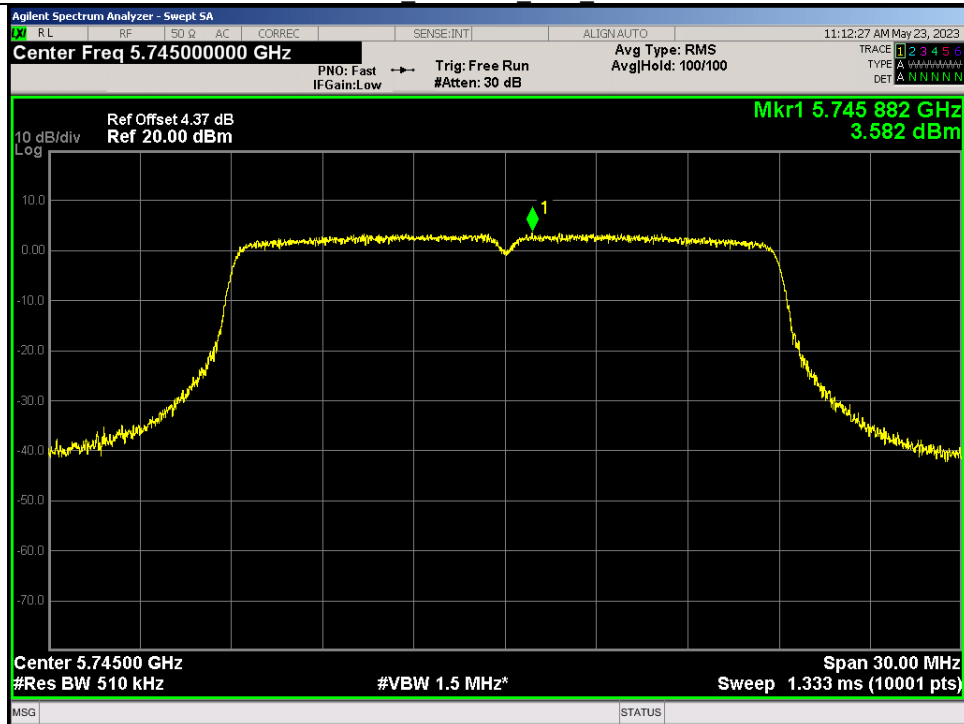
11AC20 5580MHz Ant1 NTN



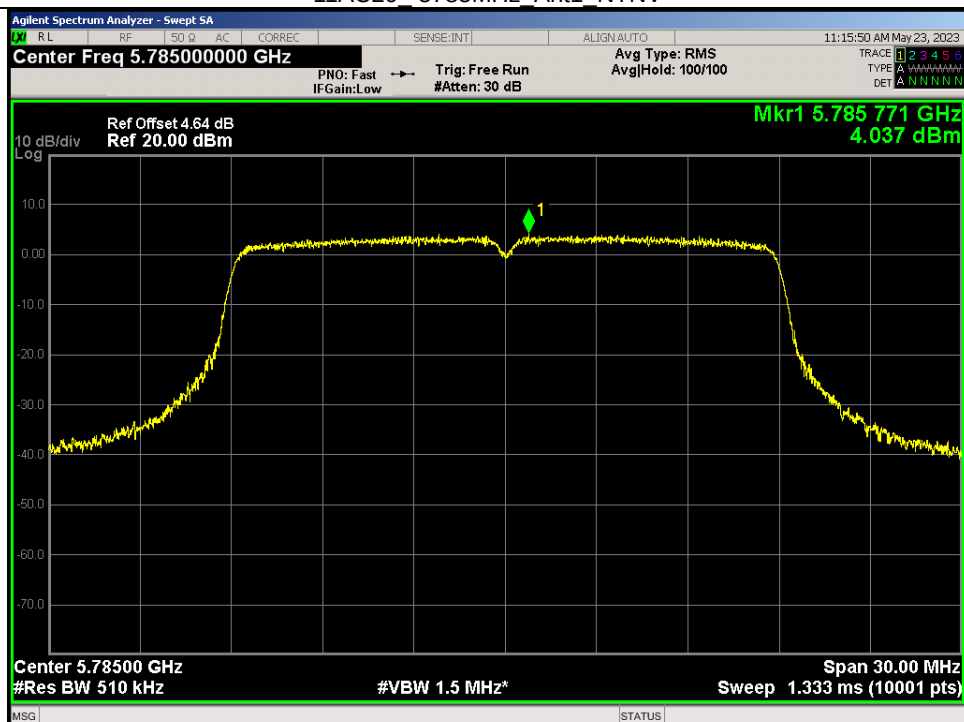
11AC20 5700MHz Ant1 NTN



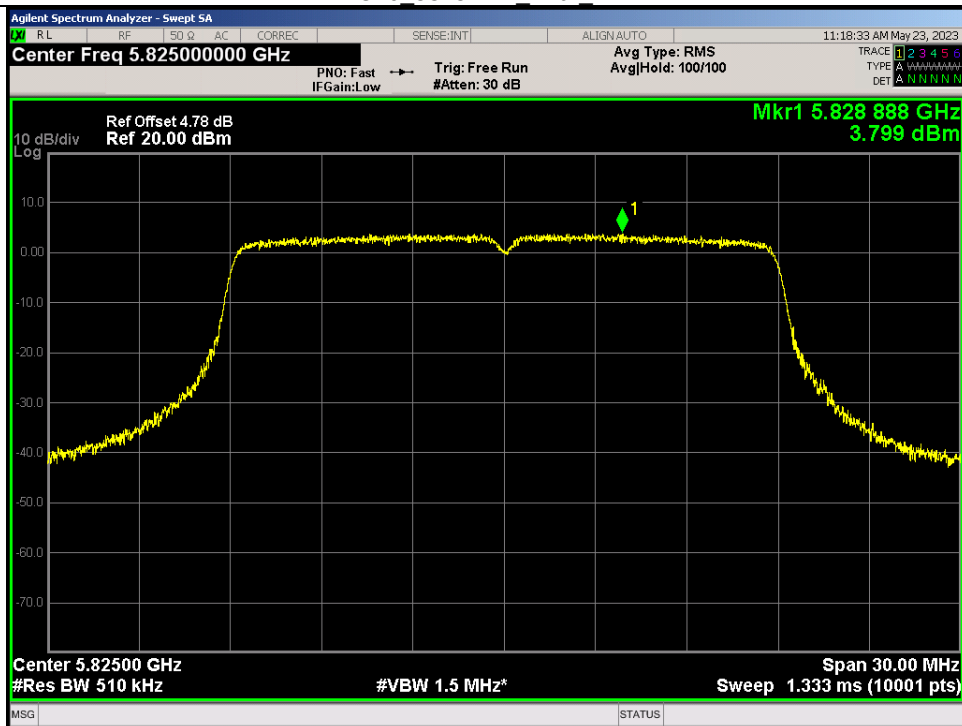
11AC20 5745MHz Ant1 NTN



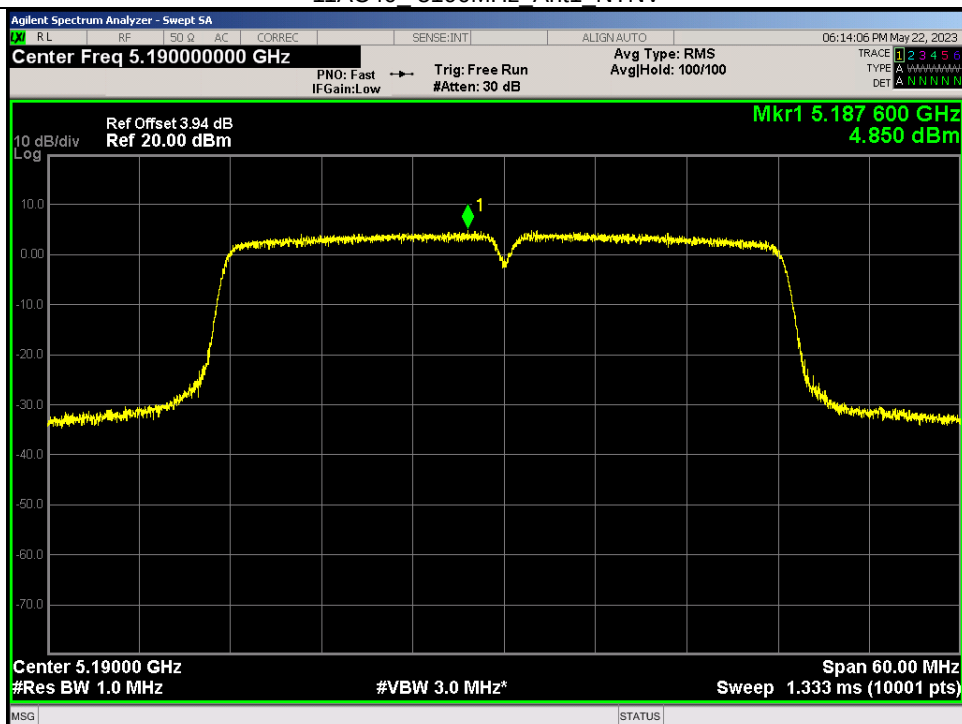
11AC20 5785MHz Ant1 NTN



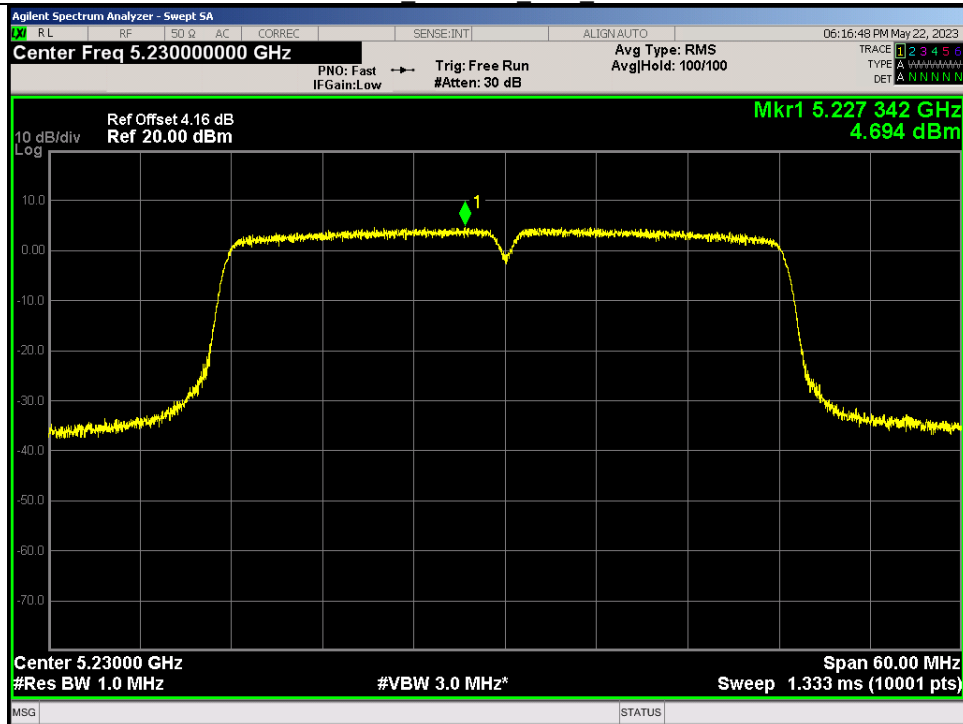
11AC20 5825MHz Ant1 NTN



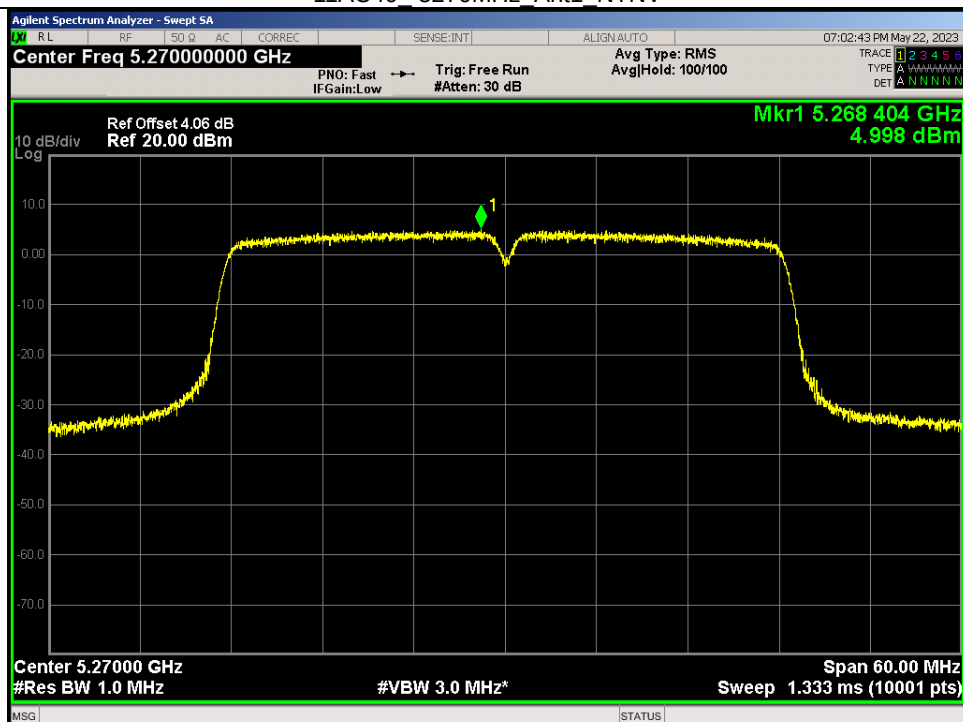
11AC40 5190MHz Ant1 NTN



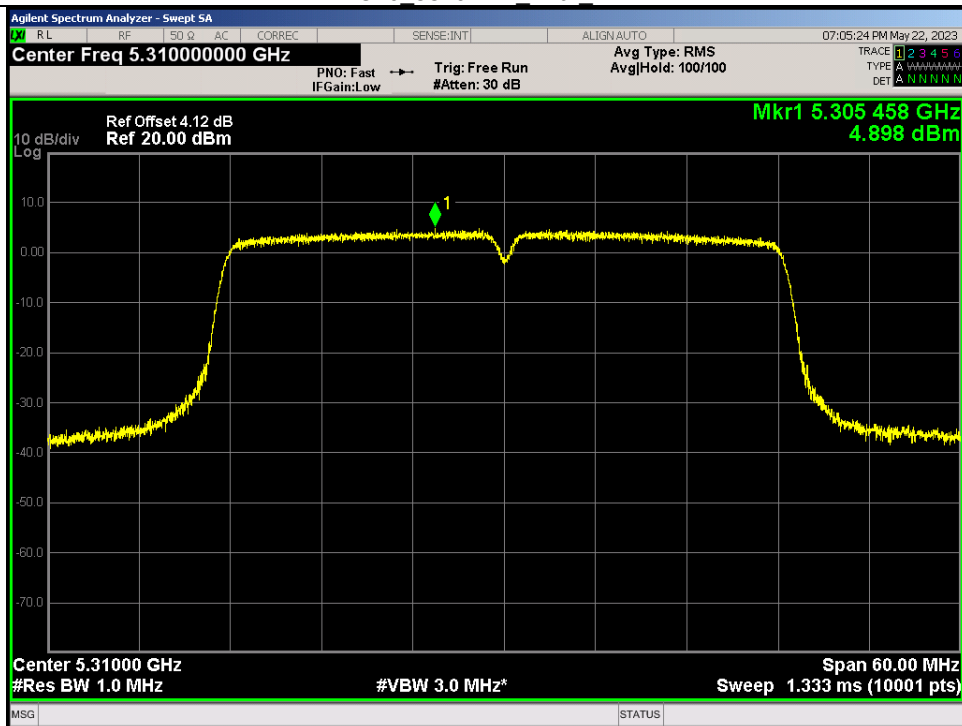
11AC40 5230MHz Ant1 NTN



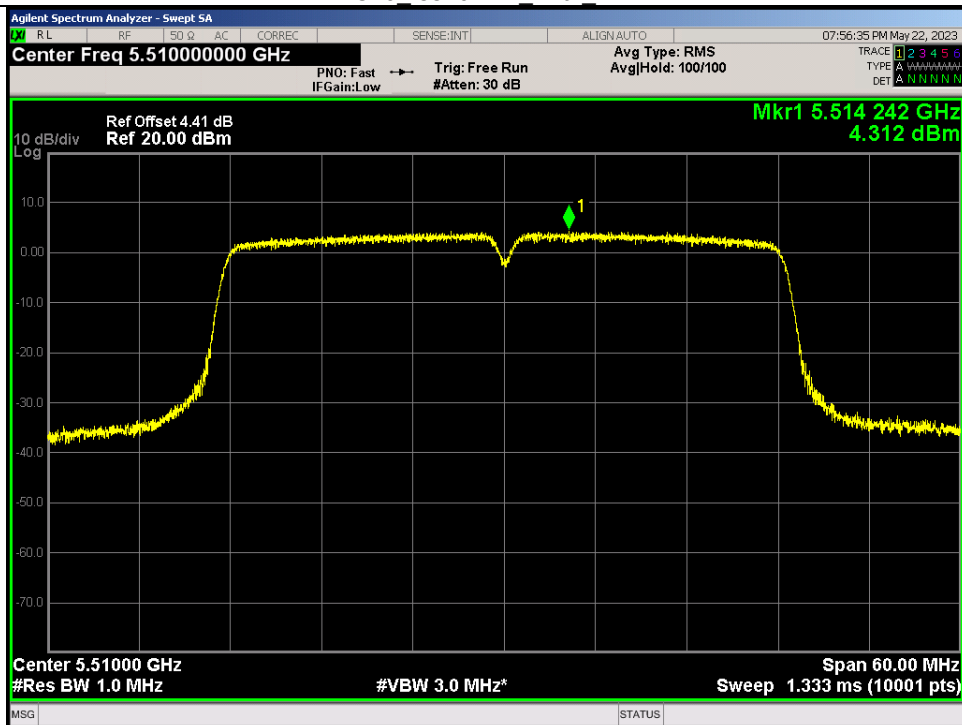
11AC40 5270MHz Ant1 NTN



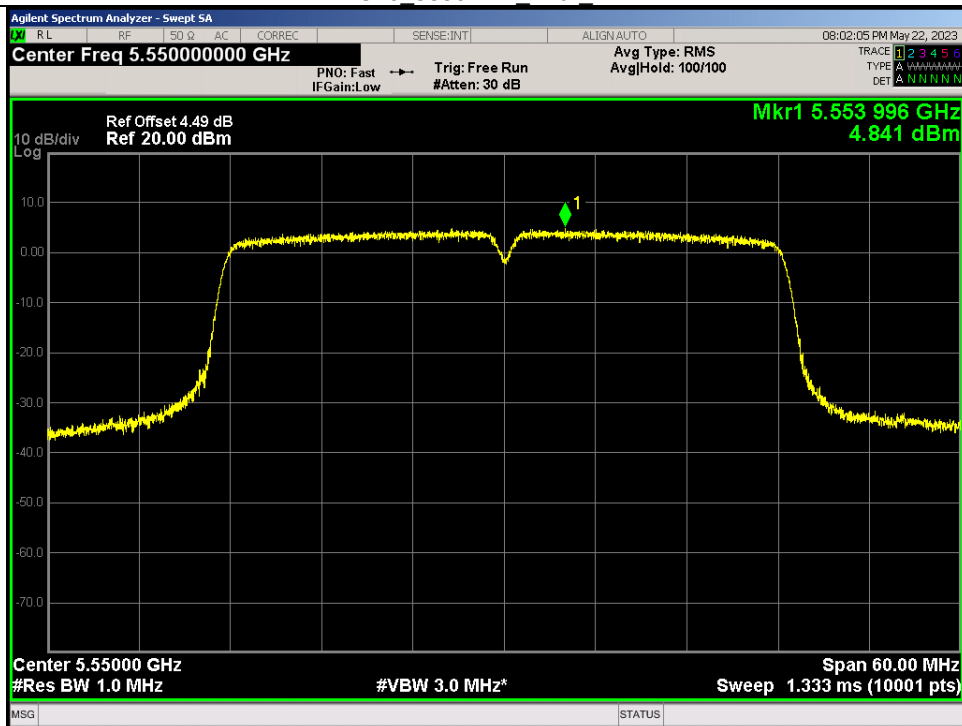
11AC40 5310MHz Ant1 NTN



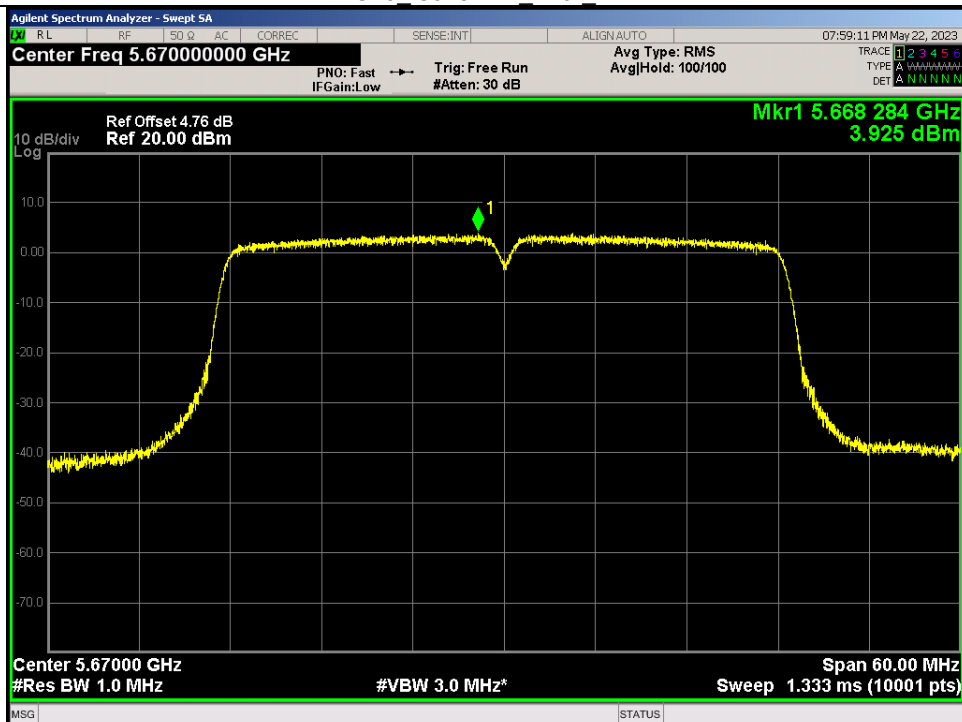
11AC40 5510MHz Ant1 NTN



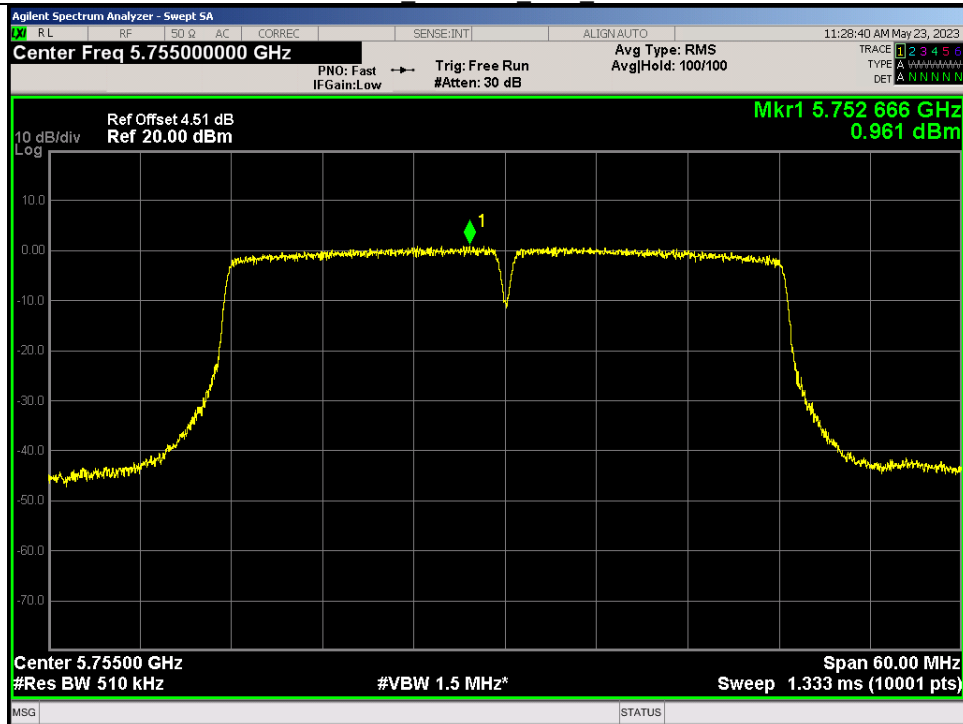
11AC40 5550MHz Ant1 NTN



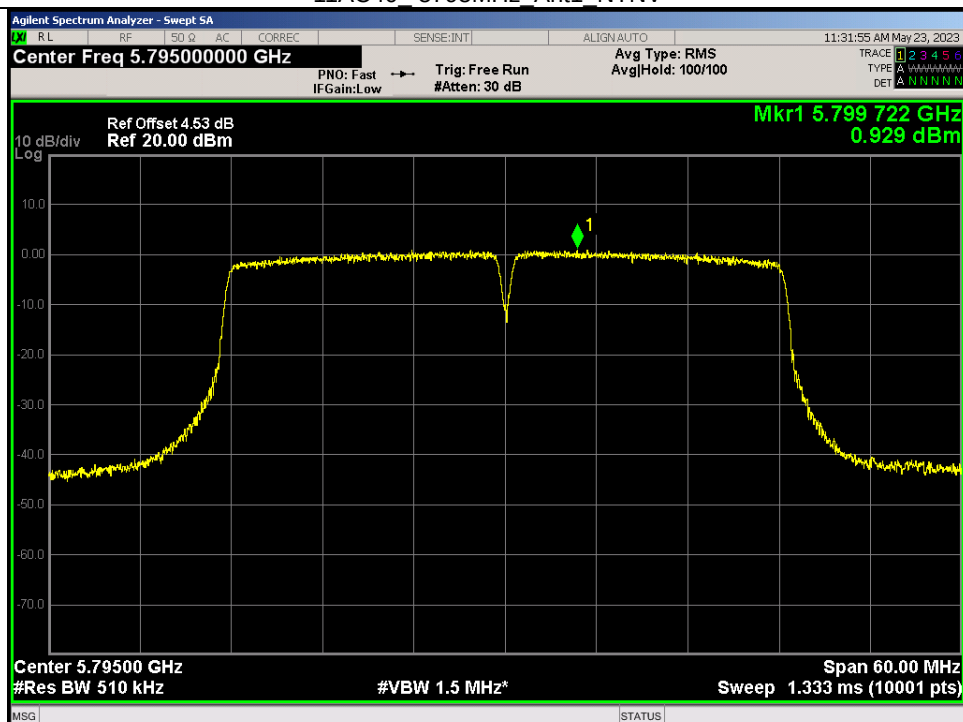
11AC40 5670MHz Ant1 NTN



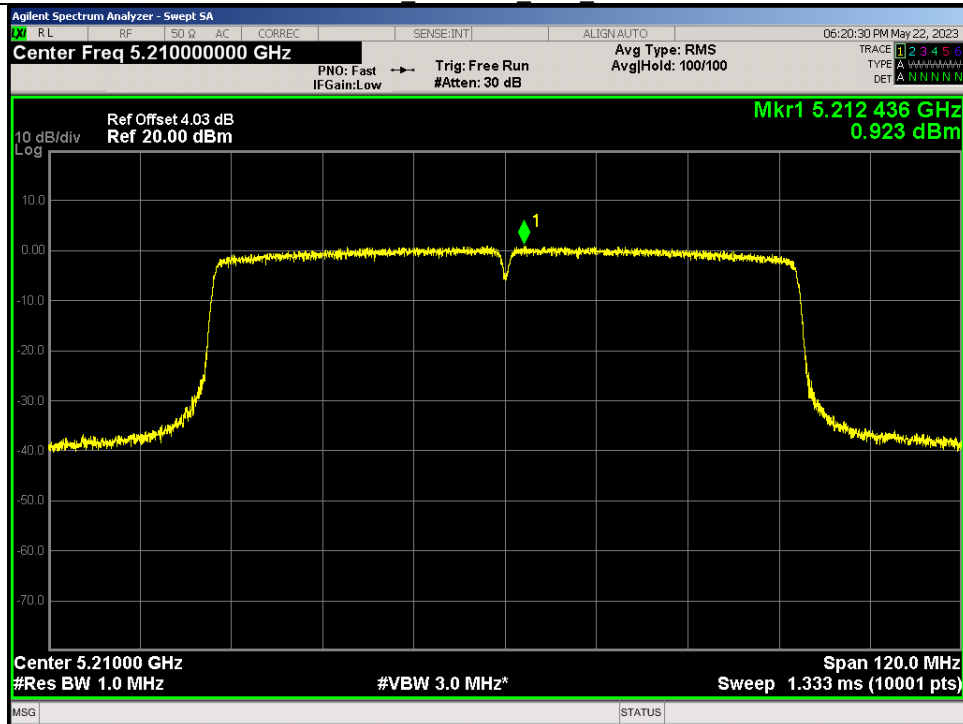
11AC40 5755MHz Ant1 NTN



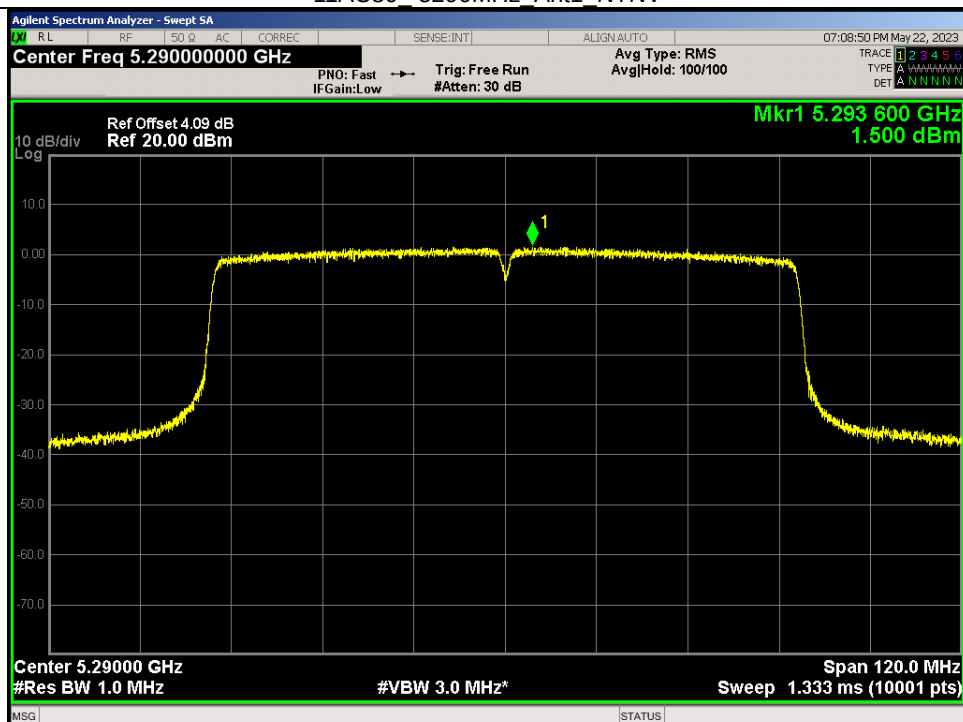
11AC40 5795MHz Ant1 NTN



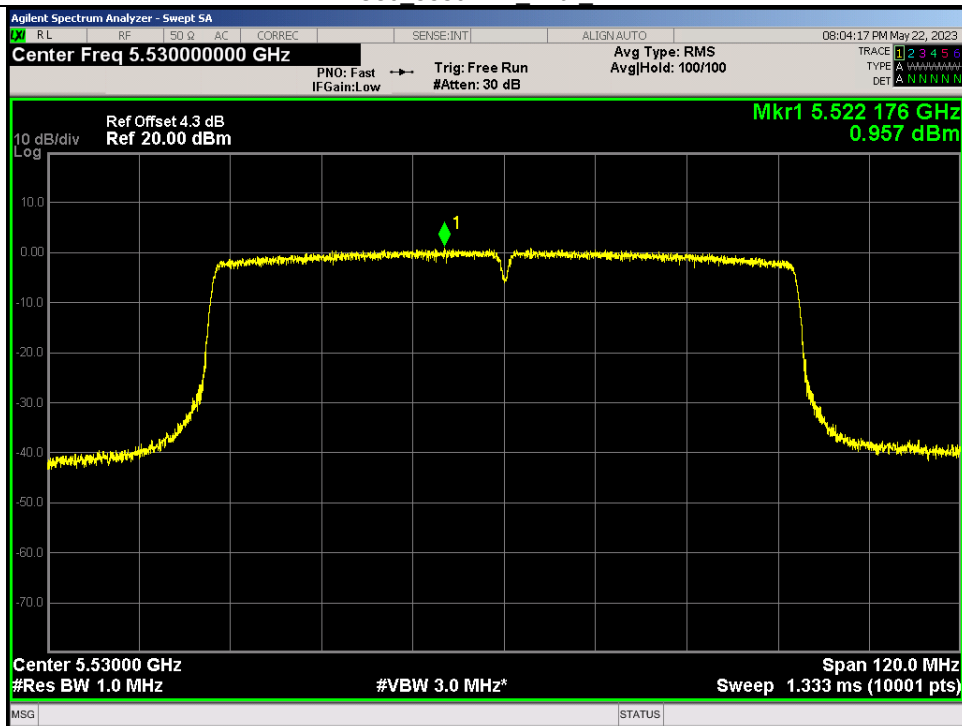
11AC80 5210MHz Ant1 NTN



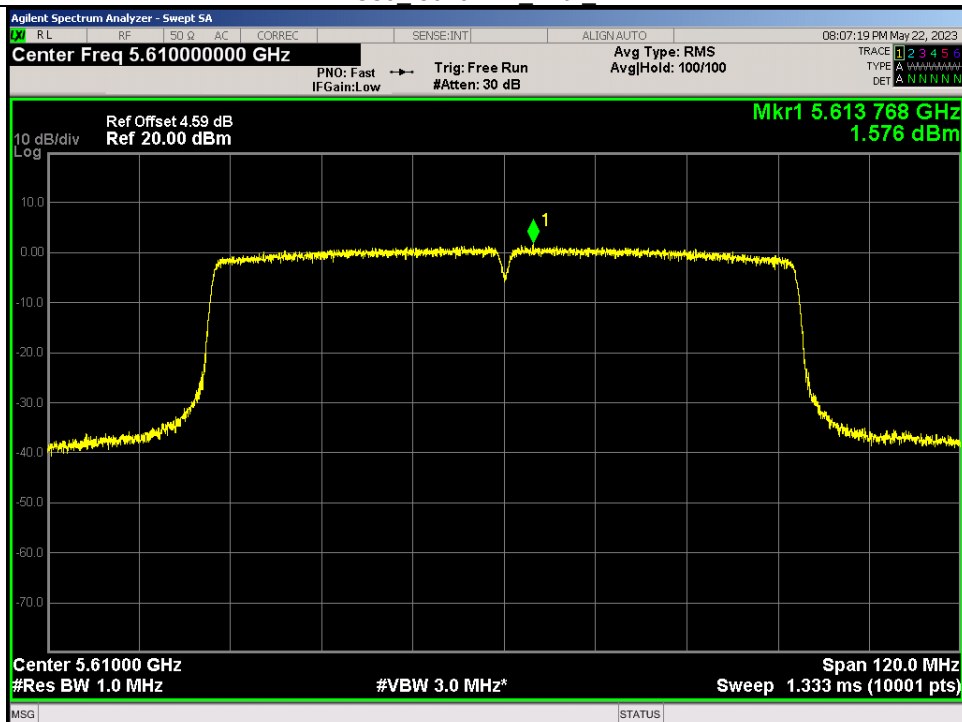
11AC80 5290MHz Ant1 NTN



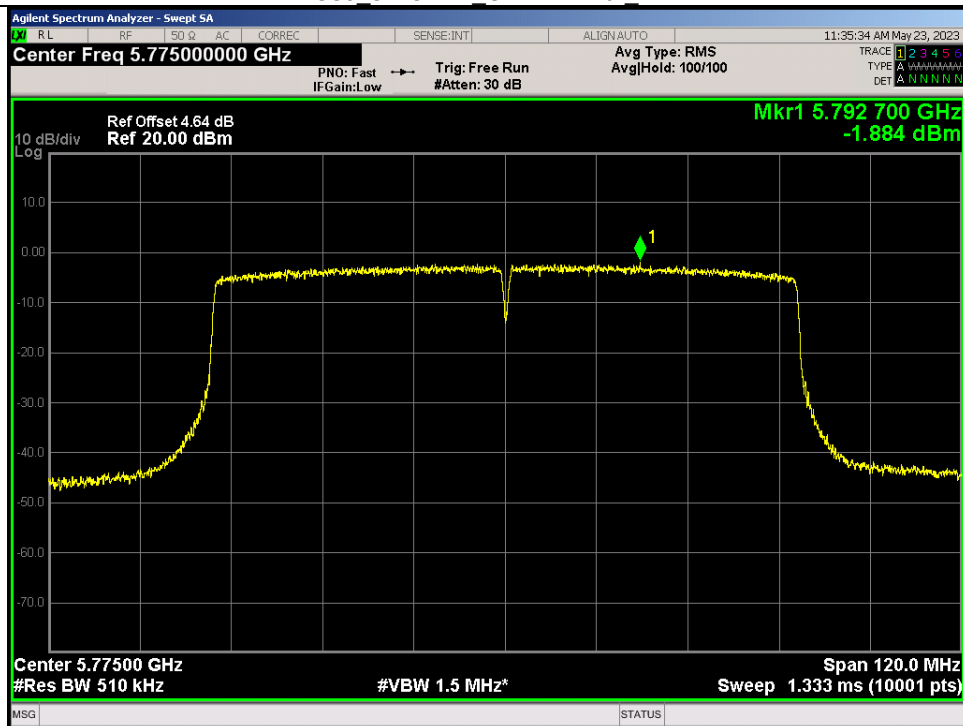
11AC80 5530MHz Ant1 NTN



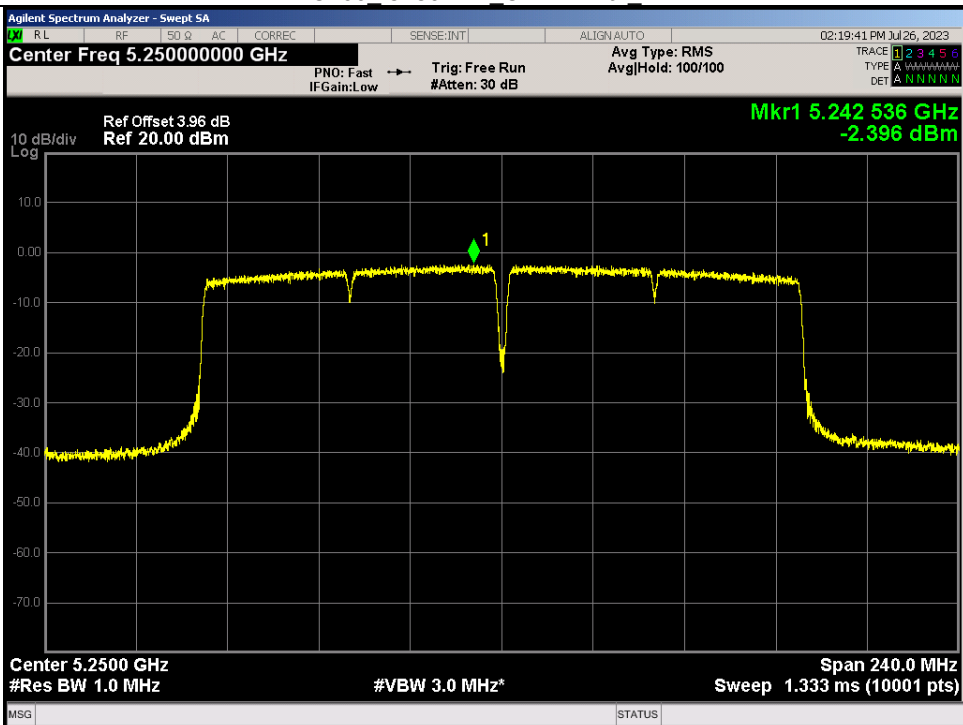
11AC80 5610MHz Ant1 NTN



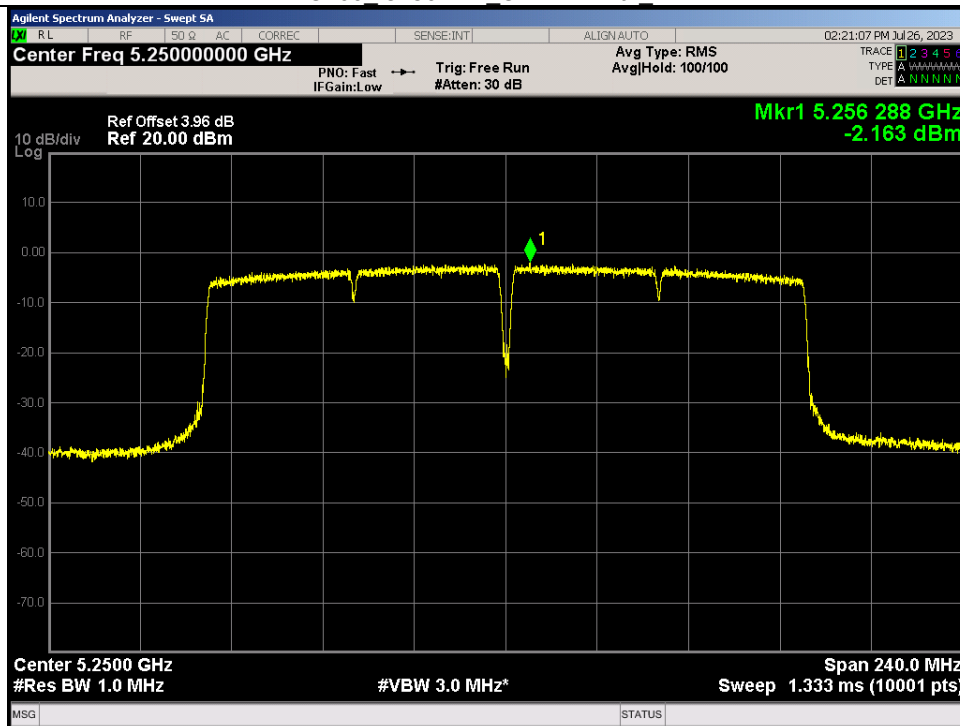
11AC80 5775MHz UNII-2A Ant1 NTNV



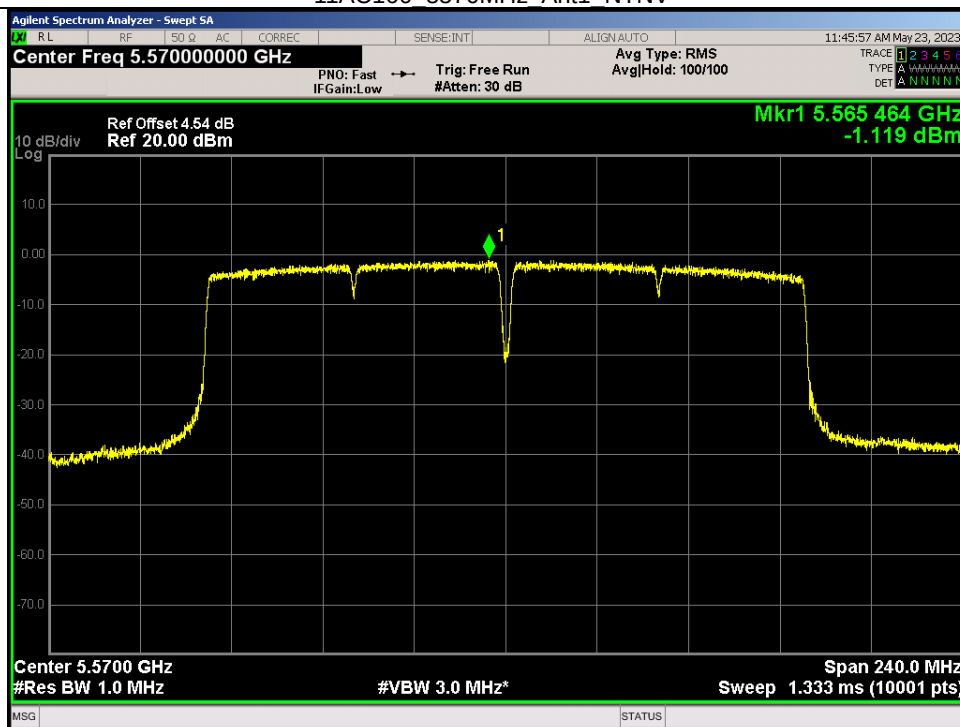
11AC160 5250MHz UNII-1 Ant1 NTNV



11AC160 5250MHz UNII-2A Ant1 NTN



11AC160 5570MHz Ant1 NTN



5. Frequency Stability

5.1 Ant1

5.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VDC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
Carrier Wave	SISO	5180	20	3.5	5179.970	5150 to 5250	Pass
				3.85	5179.970	5150 to 5250	Pass
				4.4	5179.969	5150 to 5250	Pass
			-30	3.85	5179.968	5150 to 5250	Pass
			-20	3.85	5179.969	5150 to 5250	Pass
			-10	3.85	5179.969	5150 to 5250	Pass
			0	3.85	5179.969	5150 to 5250	Pass
			10	3.85	5179.969	5150 to 5250	Pass
			30	3.85	5179.968	5150 to 5250	Pass
			40	3.85	5179.969	5150 to 5250	Pass
			50	3.85	5179.968	5150 to 5250	Pass
		5200	20	3.5	5199.968	5150 to 5250	Pass
				3.85	5199.968	5150 to 5250	Pass
				4.4	5199.968	5150 to 5250	Pass
			-30	3.85	5199.968	5150 to 5250	Pass
			-20	3.85	5199.968	5150 to 5250	Pass
			-10	3.85	5199.968	5150 to 5250	Pass
			0	3.85	5199.968	5150 to 5250	Pass
			10	3.85	5199.968	5150 to 5250	Pass
			30	3.85	5199.967	5150 to 5250	Pass
			40	3.85	5199.968	5150 to 5250	Pass
			50	3.85	5199.968	5150 to 5250	Pass
		5240	20	3.5	5239.968	5150 to 5250	Pass
				3.85	5239.967	5150 to 5250	Pass
				4.4	5239.967	5150 to 5250	Pass
			-30	3.85	5239.967	5150 to 5250	Pass
			-20	3.85	5239.967	5150 to 5250	Pass
			-10	3.85	5239.967	5150 to 5250	Pass
			0	3.85	5239.967	5150 to 5250	Pass
			10	3.85	5239.967	5150 to 5250	Pass
			30	3.85	5239.967	5150 to 5250	Pass
			40	3.85	5239.967	5150 to 5250	Pass
			50	3.85	5239.968	5150 to 5250	Pass
		5260	20	3.5	5259.985	5250 to 5350	Pass
				3.85	5259.984	5250 to 5350	Pass
				4.4	5259.984	5250 to 5350	Pass
			-30	3.85	5259.983	5250 to 5350	Pass
			-20	3.85	5259.982	5250 to 5350	Pass
			-10	3.85	5259.981	5250 to 5350	Pass
			0	3.85	5259.981	5250 to 5350	Pass
			10	3.85	5259.980	5250 to 5350	Pass
			30	3.85	5259.978	5250 to 5350	Pass
			40	3.85	5259.977	5250 to 5350	Pass
			50	3.85	5259.978	5250 to 5350	Pass
		5300	20	3.5	5299.975	5250 to 5350	Pass

				3.85	5299.975	5250 to 5350	Pass
				4.4	5299.973	5250 to 5350	Pass
			-30	3.85	5299.973	5250 to 5350	Pass
			-20	3.85	5299.972	5250 to 5350	Pass
			-10	3.85	5299.971	5250 to 5350	Pass
			0	3.85	5299.970	5250 to 5350	Pass
			10	3.85	5299.969	5250 to 5350	Pass
			30	3.85	5299.969	5250 to 5350	Pass
			40	3.85	5299.969	5250 to 5350	Pass
			50	3.85	5299.969	5250 to 5350	Pass
		5320	20	3.5	5319.969	5250 to 5350	Pass
				3.85	5319.969	5250 to 5350	Pass
				4.4	5319.968	5250 to 5350	Pass
			-30	3.85	5319.967	5250 to 5350	Pass
			-20	3.85	5319.968	5250 to 5350	Pass
			-10	3.85	5319.969	5250 to 5350	Pass
			0	3.85	5319.972	5250 to 5350	Pass
			10	3.85	5319.972	5250 to 5350	Pass
			30	3.85	5319.972	5250 to 5350	Pass
			40	3.85	5319.972	5250 to 5350	Pass
			50	3.85	5319.971	5250 to 5350	Pass
		5500	20	3.5	5500.021	5725 to 5850	Pass
				3.85	5500.022	5725 to 5850	Pass
				4.4	5500.021	5725 to 5850	Pass
			-30	3.85	5500.022	5725 to 5850	Pass
			-20	3.85	5500.021	5725 to 5850	Pass
			-10	3.85	5500.022	5725 to 5850	Pass
			0	3.85	5500.021	5725 to 5850	Pass
			10	3.85	5500.021	5725 to 5850	Pass
			30	3.85	5500.022	5725 to 5850	Pass
			40	3.85	5500.022	5725 to 5850	Pass
			50	3.85	5500.021	5725 to 5850	Pass
		5580	20	3.5	5580.018	5725 to 5850	Pass
				3.85	5580.017	5725 to 5850	Pass
				4.4	5580.017	5725 to 5850	Pass
			-30	3.85	5580.016	5725 to 5850	Pass
			-20	3.85	5580.016	5725 to 5850	Pass
			-10	3.85	5580.017	5725 to 5850	Pass
			0	3.85	5580.017	5725 to 5850	Pass
			10	3.85	5580.016	5725 to 5850	Pass
			30	3.85	5580.017	5725 to 5850	Pass
			40	3.85	5580.017	5725 to 5850	Pass
			50	3.85	5580.018	5725 to 5850	Pass
		5700	20	3.5	5700.013	5725 to 5850	Pass
				3.85	5700.013	5725 to 5850	Pass
				4.4	5700.015	5725 to 5850	Pass
			-30	3.85	5700.013	5725 to 5850	Pass
			-20	3.85	5700.013	5725 to 5850	Pass
			-10	3.85	5700.014	5725 to 5850	Pass
			0	3.85	5700.013	5725 to 5850	Pass
			10	3.85	5700.015	5725 to 5850	Pass
			30	3.85	5700.015	5725 to 5850	Pass
			40	3.85	5700.013	5725 to 5850	Pass
			50	3.85	5700.014	5725 to 5850	Pass
		5745	20	3.5	5744.967	5150 to 5250	Pass
				3.85	5744.967	5150 to 5250	Pass
				4.4	5744.967	5150 to 5250	Pass
			-30	3.85	5744.967	5150 to 5250	Pass

			-20	3.85	5744.967	5150 to 5250	Pass
			-10	3.85	5744.967	5150 to 5250	Pass
			0	3.85	5744.967	5150 to 5250	Pass
			10	3.85	5744.966	5150 to 5250	Pass
			30	3.85	5744.967	5150 to 5250	Pass
			40	3.85	5744.966	5150 to 5250	Pass
			50	3.85	5744.966	5150 to 5250	Pass
		5785	20	3.5	5784.966	5150 to 5250	Pass
				3.85	5784.966	5150 to 5250	Pass
				4.4	5784.967	5150 to 5250	Pass
			-30	3.85	5784.966	5150 to 5250	Pass
			-20	3.85	5784.966	5150 to 5250	Pass
			-10	3.85	5784.965	5150 to 5250	Pass
			0	3.85	5784.966	5150 to 5250	Pass
			10	3.85	5784.966	5150 to 5250	Pass
			30	3.85	5784.966	5150 to 5250	Pass
			40	3.85	5784.966	5150 to 5250	Pass
			50	3.85	5784.966	5150 to 5250	Pass
		5825	20	3.5	5824.966	5150 to 5250	Pass
				3.85	5824.965	5150 to 5250	Pass
				4.4	5824.966	5150 to 5250	Pass
			-30	3.85	5824.965	5150 to 5250	Pass
			-20	3.85	5824.965	5150 to 5250	Pass
			-10	3.85	5824.966	5150 to 5250	Pass
			0	3.85	5824.966	5150 to 5250	Pass
			10	3.85	5824.965	5150 to 5250	Pass
			30	3.85	5824.965	5150 to 5250	Pass
			40	3.85	5824.965	5150 to 5250	Pass
			50	3.85	5824.964	5150 to 5250	Pass
		5190	20	3.5	5189.977	5250 to 5350	Pass
				3.85	5189.977	5250 to 5350	Pass
				4.4	5189.976	5250 to 5350	Pass
			-30	3.85	5189.976	5250 to 5350	Pass
			-20	3.85	5189.977	5250 to 5350	Pass
			-10	3.85	5189.977	5250 to 5350	Pass
			0	3.85	5189.976	5250 to 5350	Pass
			10	3.85	5189.977	5250 to 5350	Pass
			30	3.85	5189.976	5250 to 5350	Pass
			40	3.85	5189.976	5250 to 5350	Pass
			50	3.85	5189.977	5250 to 5350	Pass
		5230	20	3.5	5230.024	5250 to 5350	Pass
				3.85	5230.024	5250 to 5350	Pass
				4.4	5230.022	5250 to 5350	Pass
			-30	3.85	5230.023	5250 to 5350	Pass
			-20	3.85	5230.024	5250 to 5350	Pass
			-10	3.85	5230.022	5250 to 5350	Pass
			0	3.85	5230.023	5250 to 5350	Pass
			10	3.85	5230.023	5250 to 5350	Pass
			30	3.85	5230.022	5250 to 5350	Pass
			40	3.85	5230.023	5250 to 5350	Pass
			50	3.85	5230.024	5250 to 5350	Pass
		5270	20	3.5	5270.020	5725 to 5850	Pass
				3.85	5270.020	5725 to 5850	Pass
				4.4	5270.020	5725 to 5850	Pass
			-30	3.85	5270.021	5725 to 5850	Pass
			-20	3.85	5270.020	5725 to 5850	Pass
			-10	3.85	5270.020	5725 to 5850	Pass
			0	3.85	5270.021	5725 to 5850	Pass

			10	3.85	5270.021	5725 to 5850	Pass
			30	3.85	5270.020	5725 to 5850	Pass
			40	3.85	5270.020	5725 to 5850	Pass
			50	3.85	5270.021	5725 to 5850	Pass
		5310	20	3.5	5310.029	5725 to 5850	Pass
				3.85	5310.028	5725 to 5850	Pass
				4.4	5310.028	5725 to 5850	Pass
			-30	3.85	5310.028	5725 to 5850	Pass
			-20	3.85	5310.029	5725 to 5850	Pass
			-10	3.85	5310.029	5725 to 5850	Pass
			0	3.85	5310.029	5725 to 5850	Pass
			10	3.85	5310.028	5725 to 5850	Pass
			30	3.85	5310.029	5725 to 5850	Pass
			40	3.85	5310.028	5725 to 5850	Pass
			50	3.85	5310.028	5725 to 5850	Pass
		5510	20	3.5	5510.031	5725 to 5850	Pass
				3.85	5510.030	5725 to 5850	Pass
				4.4	5510.030	5725 to 5850	Pass
			-30	3.85	5510.031	5725 to 5850	Pass
			-20	3.85	5510.031	5725 to 5850	Pass
			-10	3.85	5510.032	5725 to 5850	Pass
			0	3.85	5510.032	5725 to 5850	Pass
			10	3.85	5510.031	5725 to 5850	Pass
			30	3.85	5510.032	5725 to 5850	Pass
			40	3.85	5510.031	5725 to 5850	Pass
			50	3.85	5510.031	5725 to 5850	Pass
		5550	20	3.5	5550.034	5725 to 5850	Pass
				3.85	5550.034	5725 to 5850	Pass
				4.4	5550.033	5725 to 5850	Pass
			-30	3.85	5550.034	5725 to 5850	Pass
			-20	3.85	5550.034	5725 to 5850	Pass
			-10	3.85	5550.034	5725 to 5850	Pass
			0	3.85	5550.033	5725 to 5850	Pass
			10	3.85	5550.033	5725 to 5850	Pass
			30	3.85	5550.033	5725 to 5850	Pass
			40	3.85	5550.034	5725 to 5850	Pass
			50	3.85	5550.034	5725 to 5850	Pass
		5670	20	3.5	5670.035	5725 to 5850	Pass
				3.85	5670.033	5725 to 5850	Pass
				4.4	5670.034	5725 to 5850	Pass
			-30	3.85	5670.034	5725 to 5850	Pass
			-20	3.85	5670.035	5725 to 5850	Pass
			-10	3.85	5670.035	5725 to 5850	Pass
			0	3.85	5670.033	5725 to 5850	Pass
			10	3.85	5670.035	5725 to 5850	Pass
			30	3.85	5670.034	5725 to 5850	Pass
			40	3.85	5670.033	5725 to 5850	Pass
			50	3.85	5670.032	5725 to 5850	Pass
		5755	20	3.5	5755.029	5725 to 5850	Pass
				3.85	5755.028	5725 to 5850	Pass
				4.4	5755.029	5725 to 5850	Pass
			-30	3.85	5755.029	5725 to 5850	Pass
			-20	3.85	5755.028	5725 to 5850	Pass
			-10	3.85	5755.029	5725 to 5850	Pass
			0	3.85	5755.030	5725 to 5850	Pass
			10	3.85	5755.029	5725 to 5850	Pass
			30	3.85	5755.030	5725 to 5850	Pass
			40	3.85	5755.029	5725 to 5850	Pass

			50	3.85	5755.029	5725 to 5850	Pass
		5795	20	3.5	5794.069	5725 to 5850	Pass
				3.85	5794.069	5725 to 5850	Pass
				4.4	5794.068	5725 to 5850	Pass
			-30	3.85	5794.069	5725 to 5850	Pass
			-20	3.85	5794.068	5725 to 5850	Pass
			-10	3.85	5794.070	5725 to 5850	Pass
			0	3.85	5794.069	5725 to 5850	Pass
			10	3.85	5794.068	5725 to 5850	Pass
			30	3.85	5794.068	5725 to 5850	Pass
			40	3.85	5794.069	5725 to 5850	Pass
			50	3.85	5794.070	5725 to 5850	Pass
		5210	20	3.5	5210.027	5725 to 5850	Pass
				3.85	5210.028	5725 to 5850	Pass
				4.4	5210.028	5725 to 5850	Pass
			-30	3.85	5210.027	5725 to 5850	Pass
			-20	3.85	5210.029	5725 to 5850	Pass
			-10	3.85	5210.028	5725 to 5850	Pass
			0	3.85	5210.028	5725 to 5850	Pass
			10	3.85	5210.027	5725 to 5850	Pass
			30	3.85	5210.029	5725 to 5850	Pass
			40	3.85	5210.029	5725 to 5850	Pass
			50	3.85	5210.028	5725 to 5850	Pass
		5290	20	3.5	5290.034	5725 to 5850	Pass
				3.85	5290.035	5725 to 5850	Pass
				4.4	5290.034	5725 to 5850	Pass
			-30	3.85	5290.036	5725 to 5850	Pass
			-20	3.85	5290.036	5725 to 5850	Pass
			-10	3.85	5290.034	5725 to 5850	Pass
			0	3.85	5290.034	5725 to 5850	Pass
			10	3.85	5290.035	5725 to 5850	Pass
			30	3.85	5290.034	5725 to 5850	Pass
			40	3.85	5290.034	5725 to 5850	Pass
			50	3.85	5290.036	5725 to 5850	Pass
		5530	20	3.5	5530.028	5725 to 5850	Pass
				3.85	5530.028	5725 to 5850	Pass
				4.4	5530.028	5725 to 5850	Pass
			-30	3.85	5530.028	5725 to 5850	Pass
			-20	3.85	5530.028	5725 to 5850	Pass
			-10	3.85	5530.028	5725 to 5850	Pass
			0	3.85	5530.028	5725 to 5850	Pass
			10	3.85	5530.028	5725 to 5850	Pass
			30	3.85	5530.028	5725 to 5850	Pass
			40	3.85	5530.028	5725 to 5850	Pass
			50	3.85	5530.028	5725 to 5850	Pass
		5610	20	3.5	5610.025	5725 to 5850	Pass
				3.85	5610.024	5725 to 5850	Pass
				4.4	5610.025	5725 to 5850	Pass
			-30	3.85	5610.025	5725 to 5850	Pass
			-20	3.85	5610.025	5725 to 5850	Pass
			-10	3.85	5610.025	5725 to 5850	Pass
			0	3.85	5610.022	5725 to 5850	Pass
			10	3.85	5610.025	5725 to 5850	Pass
			30	3.85	5610.023	5725 to 5850	Pass
			40	3.85	5610.022	5725 to 5850	Pass
			50	3.85	5610.023	5725 to 5850	Pass
		5775	20	3.5	5774.063	5725 to 5850	Pass
				3.85	5774.062	5725 to 5850	Pass

				4.4	5774.063	5725 to 5850	Pass
			-30	3.85	5774.063	5725 to 5850	Pass
			-20	3.85	5774.062	5725 to 5850	Pass
			-10	3.85	5774.062	5725 to 5850	Pass
			0	3.85	5774.063	5725 to 5850	Pass
			10	3.85	5774.063	5725 to 5850	Pass
			30	3.85	5774.064	5725 to 5850	Pass
			40	3.85	5774.065	5725 to 5850	Pass
			50	3.85	5774.065	5725 to 5850	Pass
		5250	20	3.5	5250.026	5725 to 5850	Pass
				3.85	5250.024	5725 to 5850	Pass
				4.4	5250.024	5725 to 5850	Pass
			-30	3.85	5250.026	5725 to 5850	Pass
			-20	3.85	5250.026	5725 to 5850	Pass
			-10	3.85	5250.024	5725 to 5850	Pass
			0	3.85	5250.024	5725 to 5850	Pass
			10	3.85	5250.024	5725 to 5850	Pass
			30	3.85	5250.024	5725 to 5850	Pass
			40	3.85	5250.024	5725 to 5850	Pass
			50	3.85	5250.025	5725 to 5850	Pass
		5570	20	3.5	5569.961	5725 to 5850	Pass
				3.85	5569.961	5725 to 5850	Pass
				4.4	5569.963	5725 to 5850	Pass
			-30	3.85	5569.961	5725 to 5850	Pass
			-20	3.85	5569.961	5725 to 5850	Pass
			-10	3.85	5569.961	5725 to 5850	Pass
			0	3.85	5569.962	5725 to 5850	Pass
			10	3.85	5569.963	5725 to 5850	Pass
			30	3.85	5569.962	5725 to 5850	Pass
			40	3.85	5569.961	5725 to 5850	Pass
			50	3.85	5569.961	5725 to 5850	Pass

6. Form731

6.1 Form731

6.1.1 Test Result

Lower Freq (MHz)	High Freq (MHz)	MAX Power (W)	MAX Power (dBm)
5180	5240	0.0396	15.98
5260	5320	0.0370	15.68
5500	5700	0.0382	15.82
5745	5825	0.0388	15.89



Test Report Number: BTF230717R01604



BTF Testing Lab (Shenzhen) Co., Ltd.

F101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street,
Bao'an District, Shenzhen, China

www.btf-lab.com

-- END OF REPORT --