

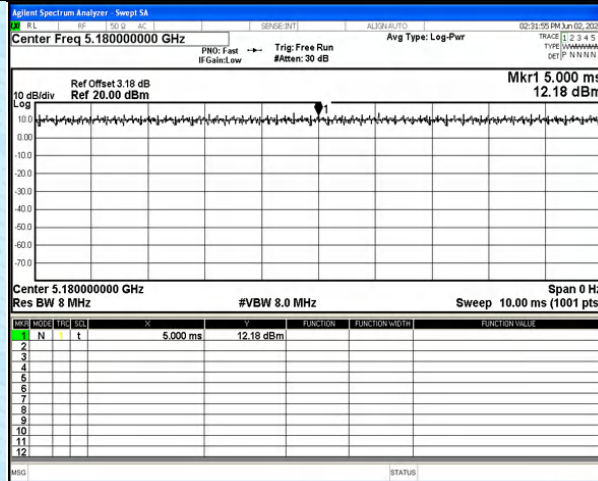
1. Duty Cycle

1.1 Test Result

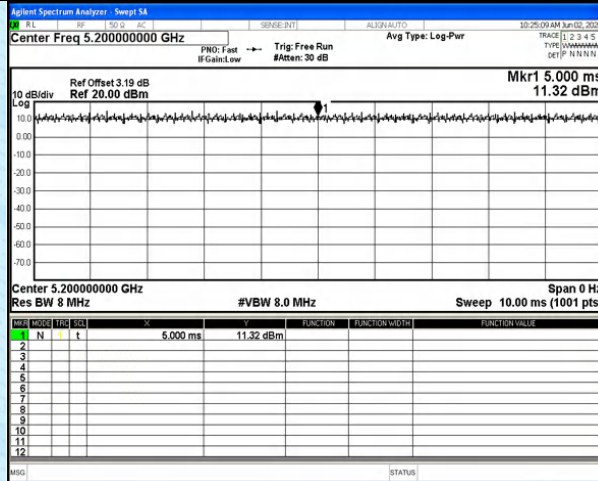
Condition	Mode	Frequency (MHz)	Antenna	Duty Cycle (%)	Correction Factor (dB)	1/T (kHz)
NVNT	ac20	5180	Ant1	100	0	0
NVNT	ac20	5200	Ant1	100	0	0
NVNT	ac20	5240	Ant1	100	0	0
NVNT	ac20	5260	Ant1	100	0	0
NVNT	ac20	5280	Ant1	100	0	0
NVNT	ac20	5320	Ant1	100	0	0
NVNT	ac20	5500	Ant1	100	0	0
NVNT	ac20	5700	Ant1	100	0	0
NVNT	ac40	5190	Ant1	99.02	0.04	3.29
NVNT	ac40	5230	Ant1	99.02	0.04	3.29
NVNT	ac40	5270	Ant1	99.02	0.04	3.29
NVNT	ac40	5310	Ant1	99.02	0.04	3.29
NVNT	ac40	5510	Ant1	99.35	0.03	3.29
NVNT	ac40	5550	Ant1	99.02	0.04	3.29
NVNT	ac40	5670	Ant1	99.02	0.04	3.29

1.2 Test Graph

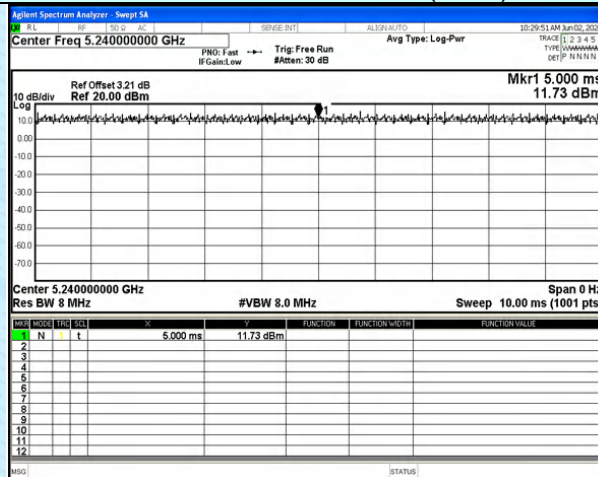
802.11ac20 MCH 5180MHz Ant1(SISO)NTNV



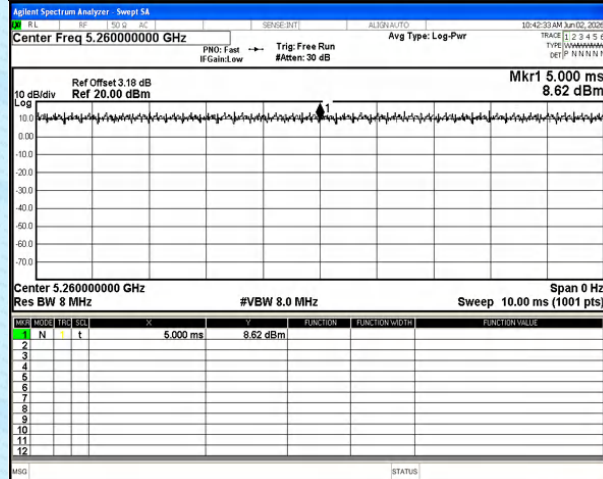
802.11ac20 MCH 5200MHz Ant1(SISO)NTNV



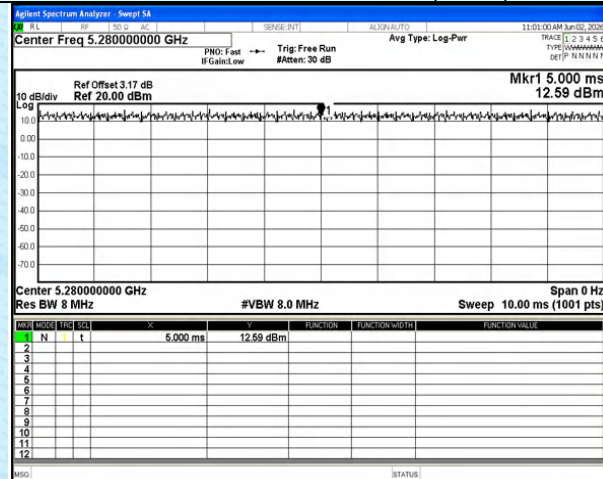
802.11ac20 MCH 5240MHz Ant1(SISO)NTNV



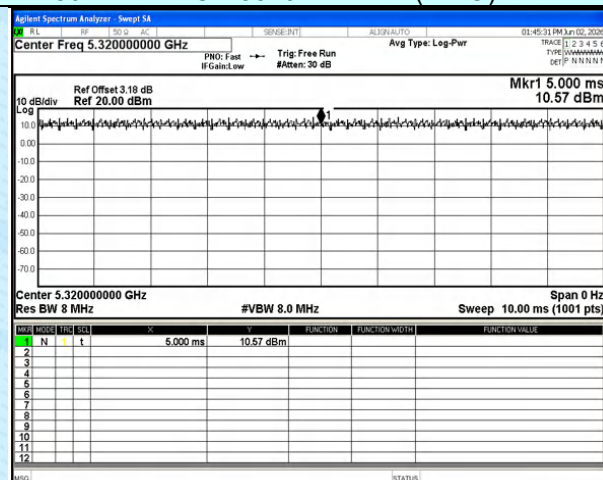
802.11ac20 MCH 5260MHz Ant1(SISO)NTNV



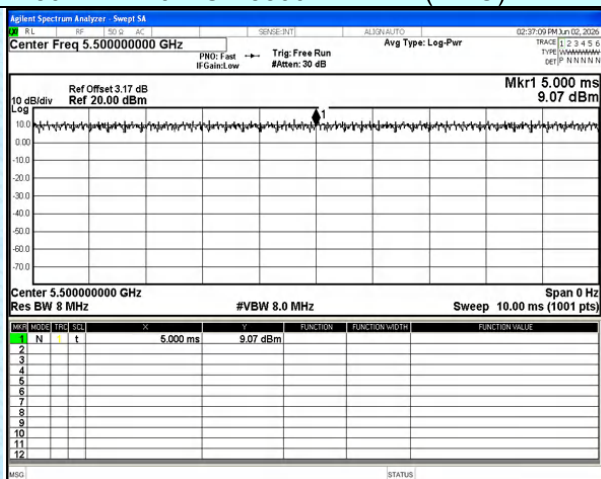
802.11ac20 MCH 5280MHz Ant1(SISO)NTNV



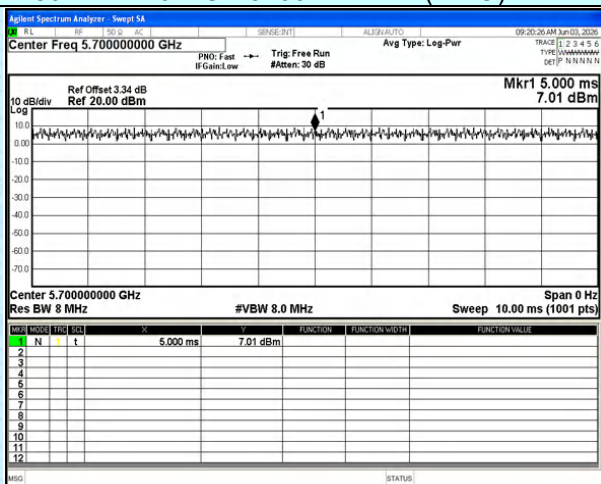
802.11ac MCH 5320MHz Ant1(SISO)NTNV



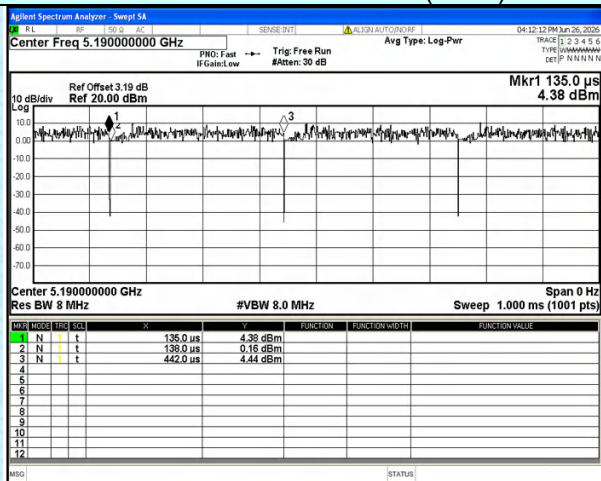
802.11ac20 MCH 5500MHz Ant1(SISO)NTNV



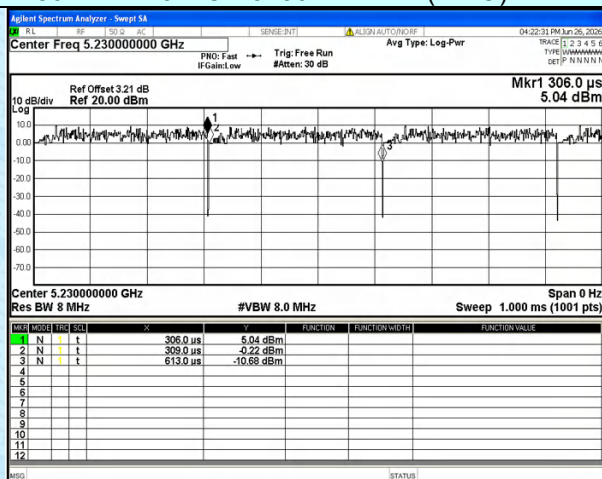
802.11ac20 MCH 5700MHz Ant1(SISO)NTNV



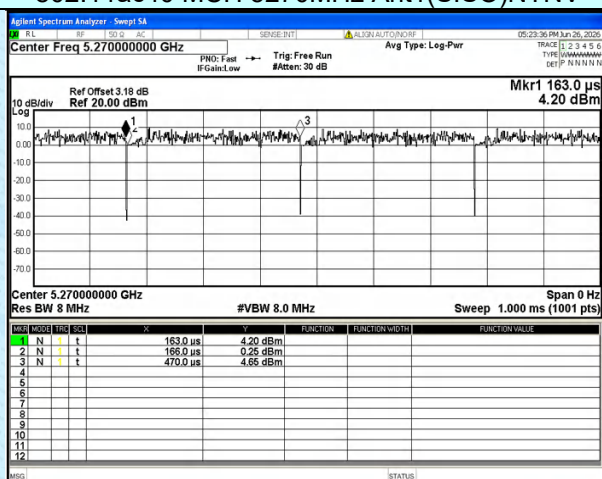
802.11ac40 MCH 5190MHz Ant1(SISO)NTNV



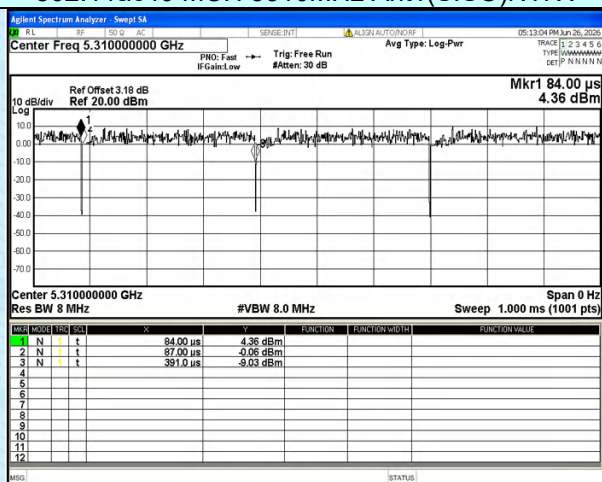
802.11ac40 MCH 5230MHz Ant1(SISO)NTNV



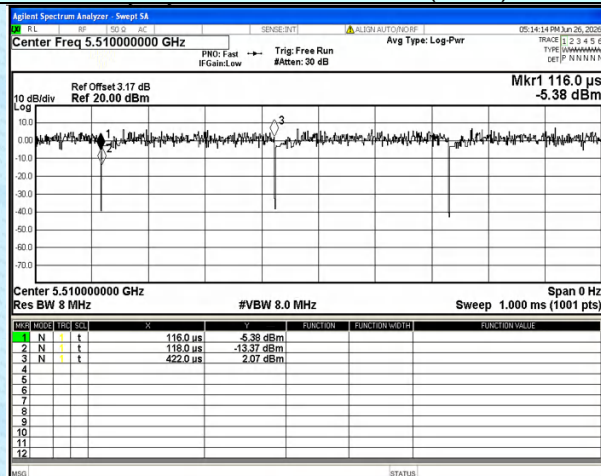
802.11ac40 MCH 5270MHz Ant1(SISO)NTNV



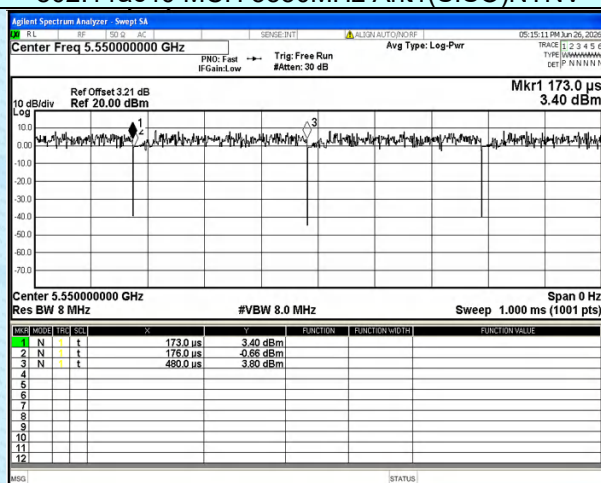
802.11ac40 MCH 5310MHz Ant1(SISO)NTNV



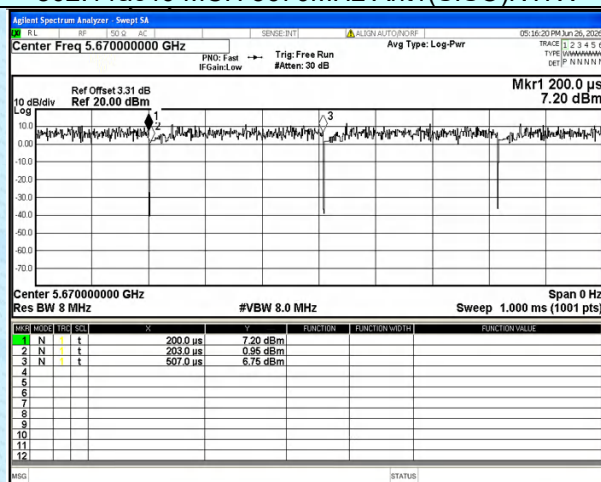
802.11ac40 MCH 5510MHz Ant1(SISO)NTNV



802.11ac40 MCH 5550MHz Ant1(SISO)NTNV



802.11ac40 MCH 5670MHz Ant1(SISO)NTNV



2. Emission Bandwidth

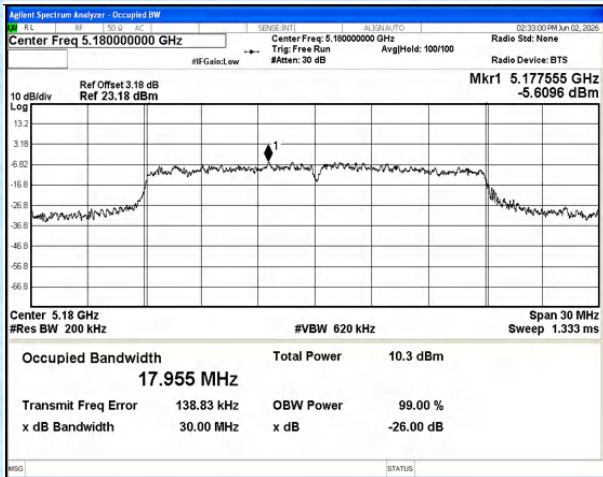
2.1 Test Result

Condition	Mode	Frequency (MHz)	Antenna	99% OBW (MHz)	26dB BW (MHz)	Verdict
NVNT	ac20	5180	Ant1	17.955	33.49	Pass
NVNT	ac20	5200	Ant1	17.918	30.23	
NVNT	ac20	5240	Ant1	17.885	32.76	
NVNT	ac20	5260	Ant1	17.959	31.76	
NVNT	ac20	5280	Ant1	17.919	31.14	
NVNT	ac20	5320	Ant1	17.963	32.72	
NVNT	ac20	5500	Ant1	17.964	32.05	
NVNT	ac20	5700	Ant1	17.958	31.81	
NVNT	ac40	5190	Ant1	36.324	71.59	
NVNT	ac40	5230	Ant1	36.222	66.69	
NVNT	ac40	5270	Ant1	36.294	68.14	
NVNT	ac40	5310	Ant1	36.231	67.87	
NVNT	ac40	5510	Ant1	36.249	74.85	
NVNT	ac40	5550	Ant1	36.278	64.57	
NVNT	ac40	5670	Ant1	36.234	67.42	

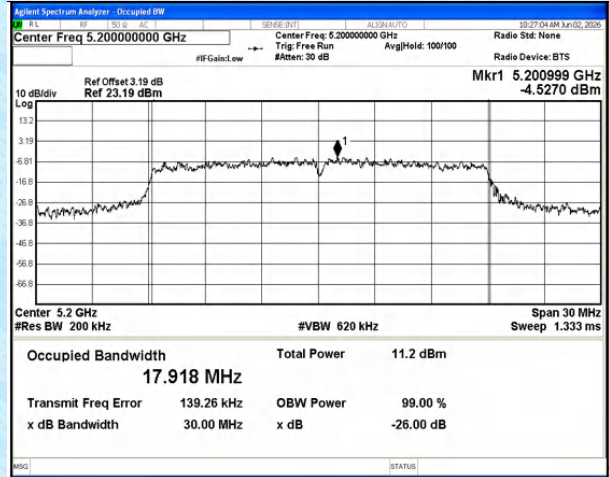
2.2 Test Graph

99% OBW

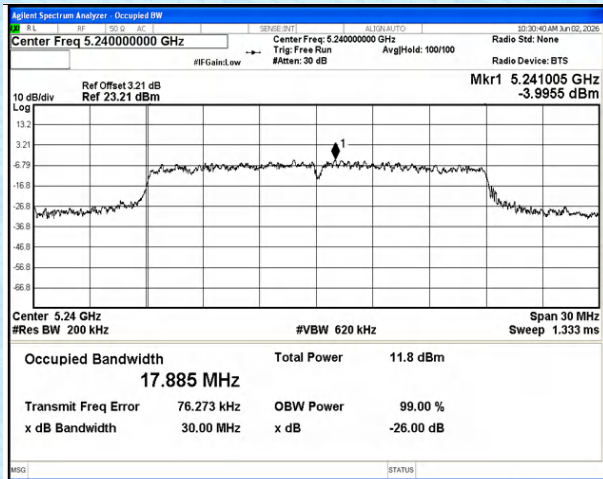
802.11ac20 MCH 5180MHz Ant1(SISO)NTNV



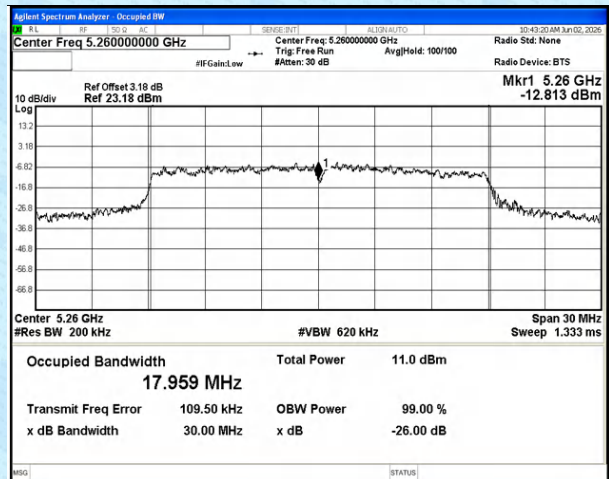
802.11ac20 MCH 5200MHz Ant1(SISO)NTNV



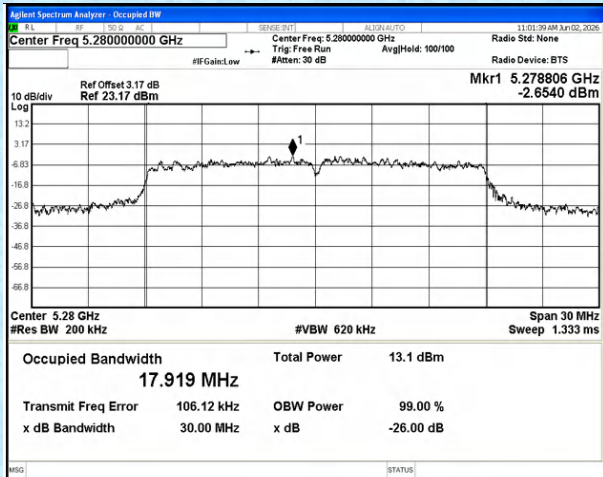
802.11ac20 MCH 5240MHz Ant1(SISO)NTNV



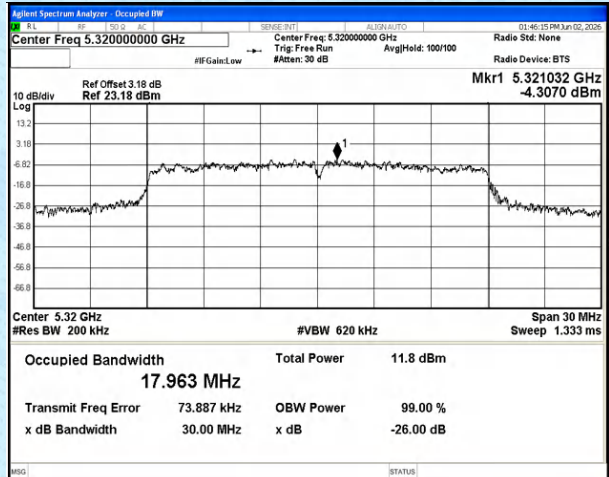
802.11ac20 MCH 5260MHz Ant1(SISO)NTNV



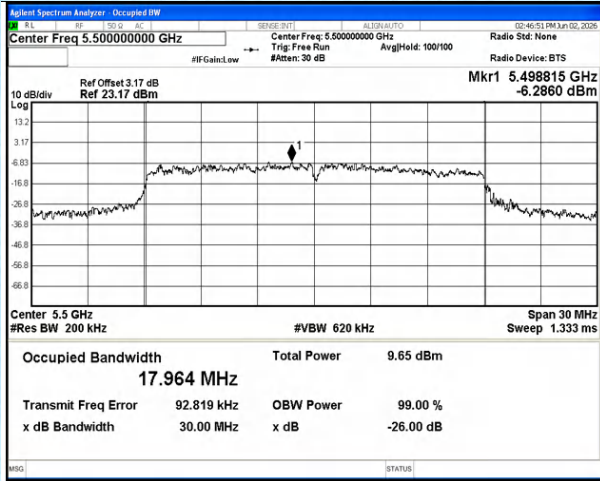
802.11ac20 MCH 5280MHz Ant1(SISO)NTNV



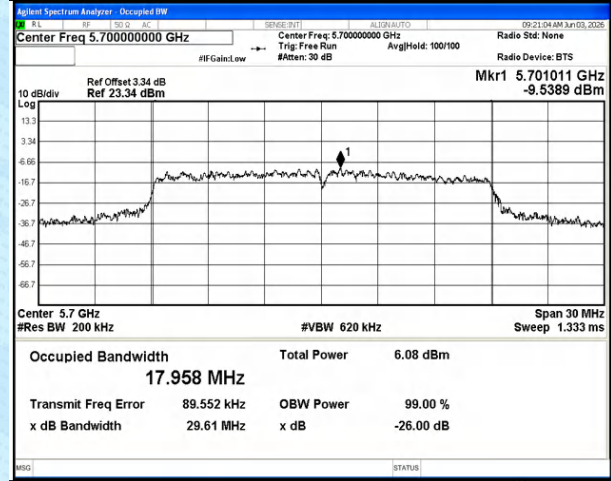
802.11ac20 MCH 5320MHz Ant1(SISO)NTNV



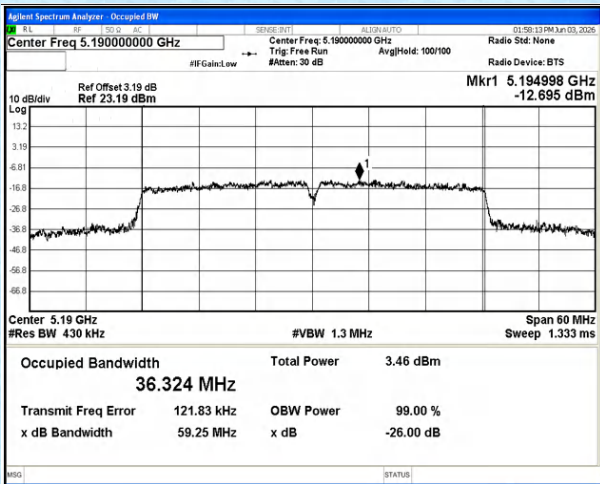
802.11ac20 MCH 5500MHz Ant1(SISO)NTNV



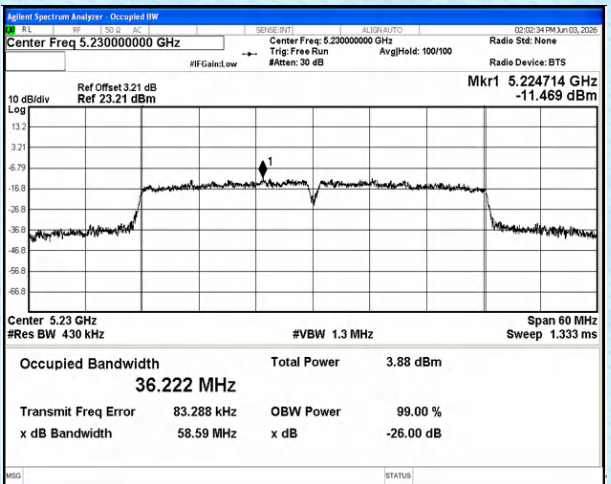
802.11ac20 MCH 5700MHz Ant1(SISO)NTNV



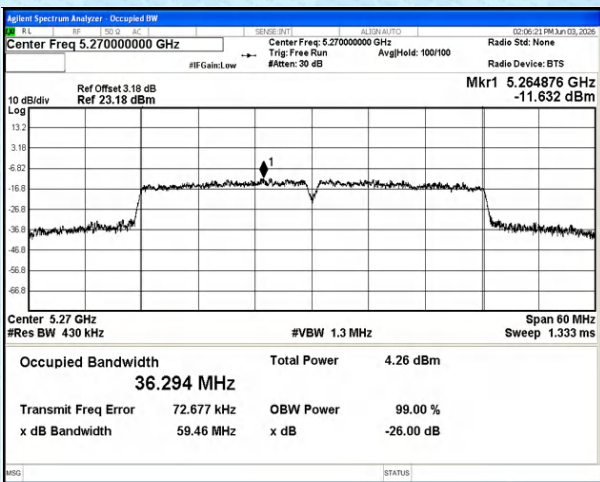
802.11ac40 MCH 5190MHz Ant1(SISO)NTNV



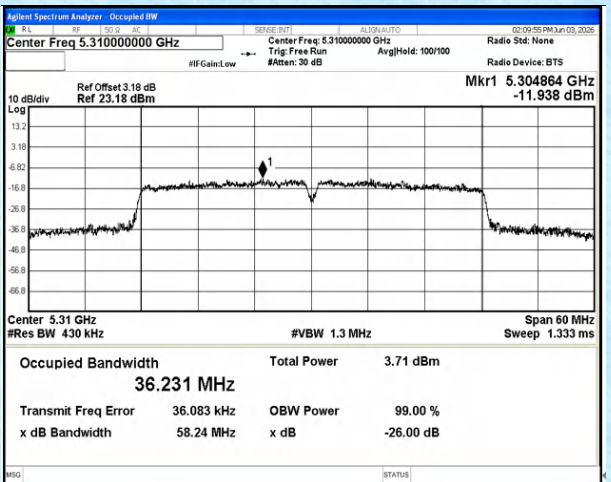
802.11ac40 MCH 5230MHz Ant1(SISO)NTNV



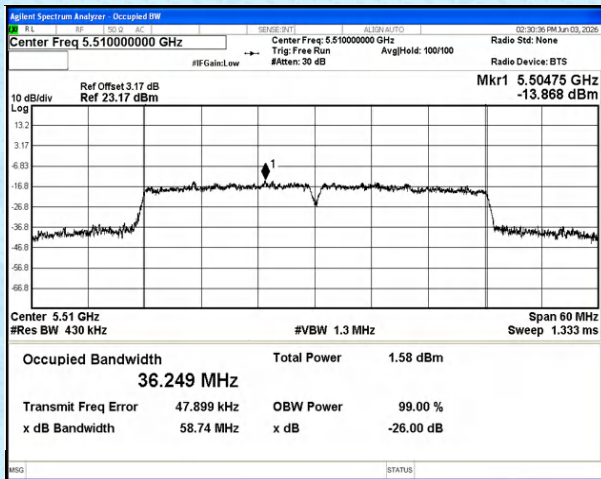
802.11ac40 MCH 5270MHz Ant1(SISO)NTNV



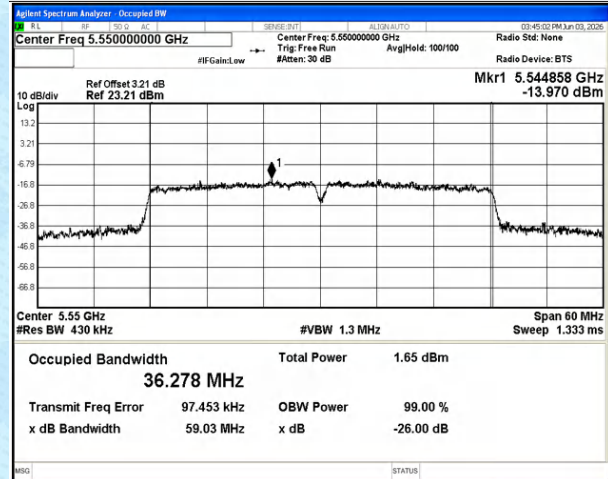
802.11ac40 MCH 5310MHz Ant1(SISO)NTNV



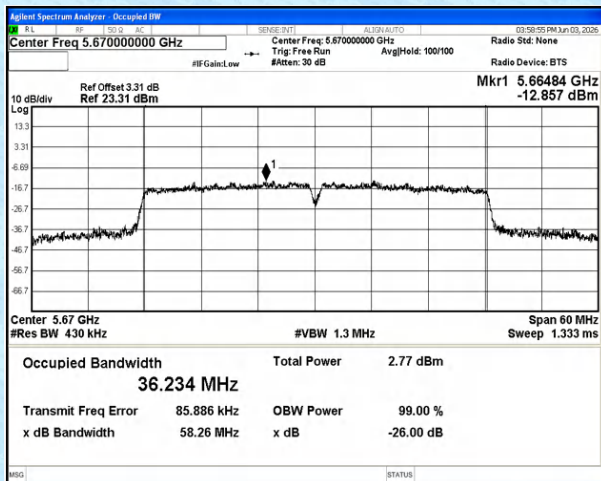
802.11ac40 MCH 5510MHz Ant1(SISO)NTNV



802.11ac40 MCH 5550MHz Ant1(SISO)NTNV

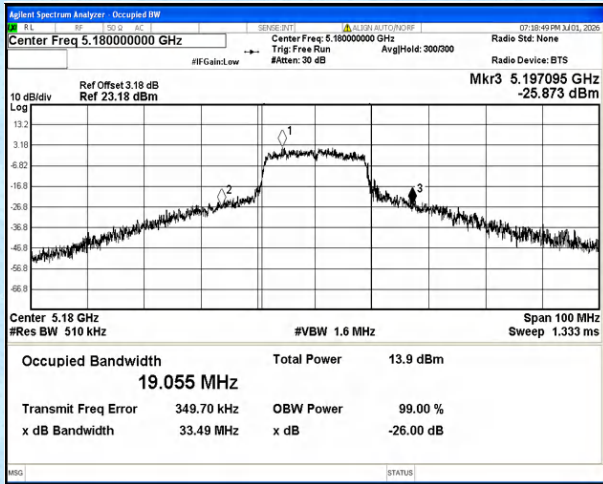


802.11ac40 MCH 5670MHz Ant1(SISO)NTNV

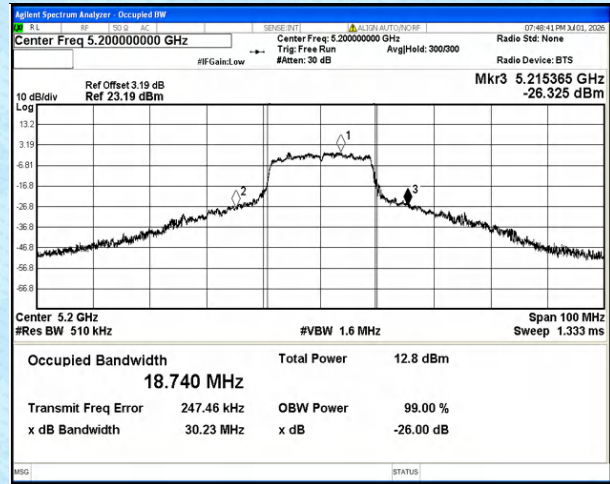


26 dB Bandwidth

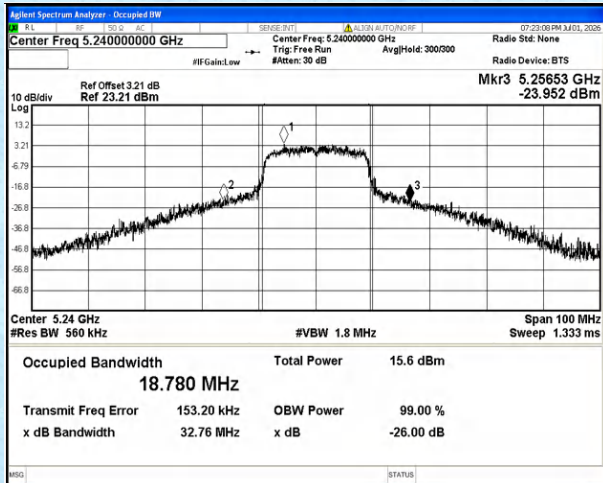
802.11ac20 MCH 5180MHz Ant1(SISO)NTNV



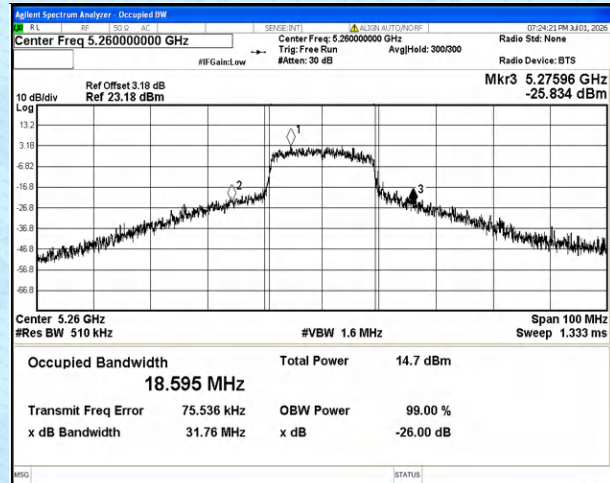
802.11ac20 MCH 5200MHz Ant1(SISO)NTNV



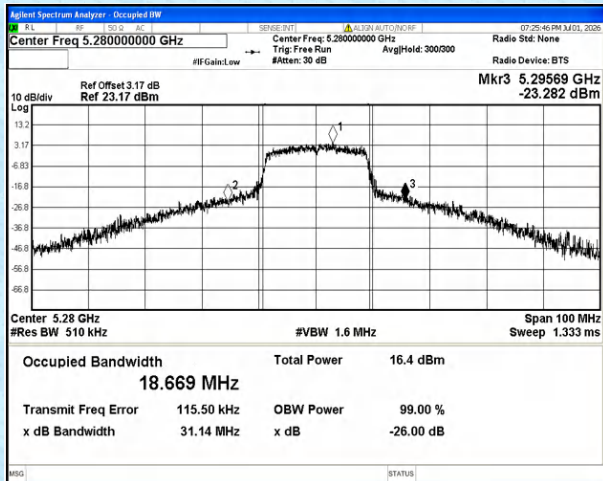
802.11ac20 MCH 5240MHz Ant1(SISO)NTNV



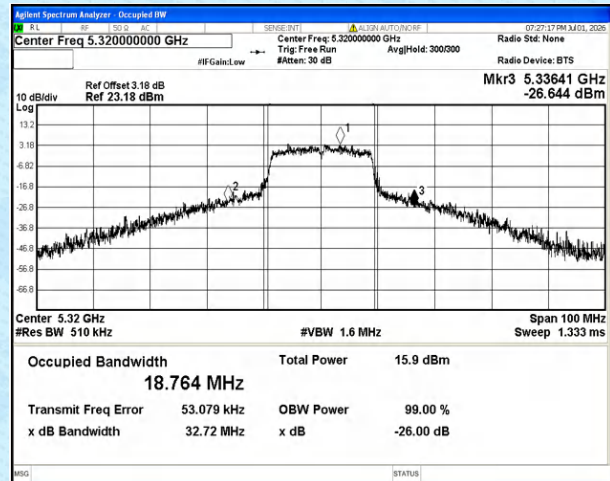
802.11ac20 MCH 5260MHz Ant1(SISO)NTNV



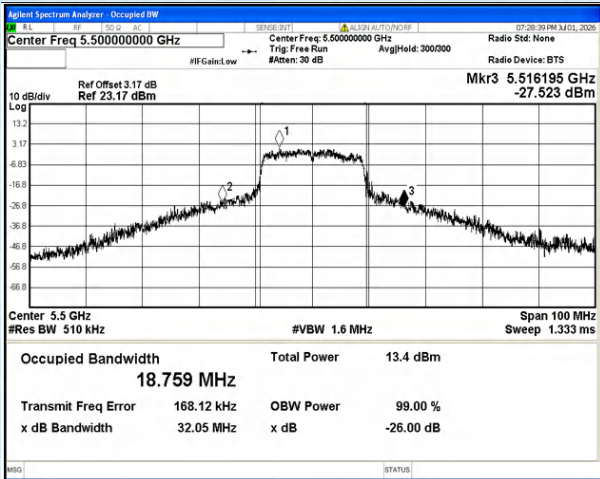
802.11ac20 MCH 5280MHz Ant1(SISO)NTNV



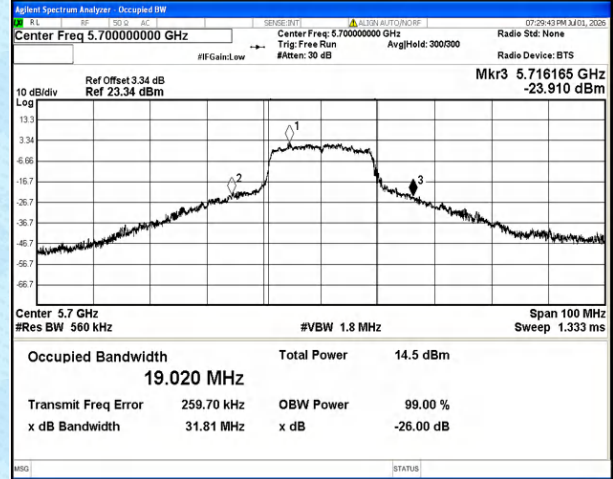
802.11ac20 MCH 5320MHz Ant1(SISO)NTNV



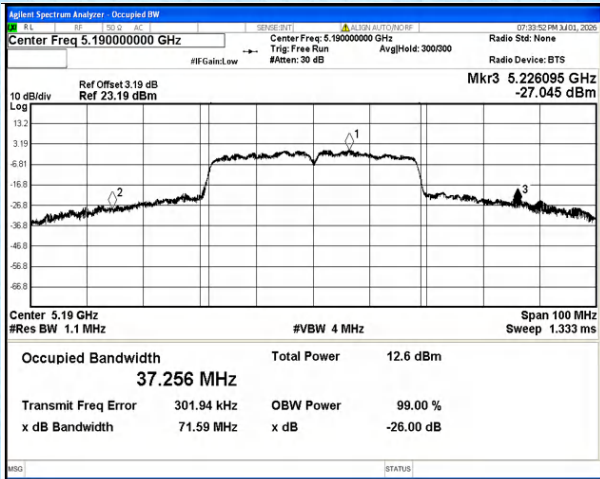
802.11ac20 MCH 5500MHz Ant1(SISO)NTNV



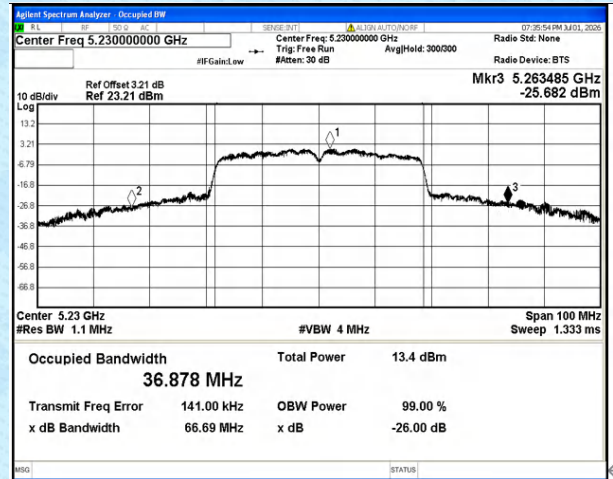
802.11ac20 MCH 5700MHz Ant1(SISO)NTNV



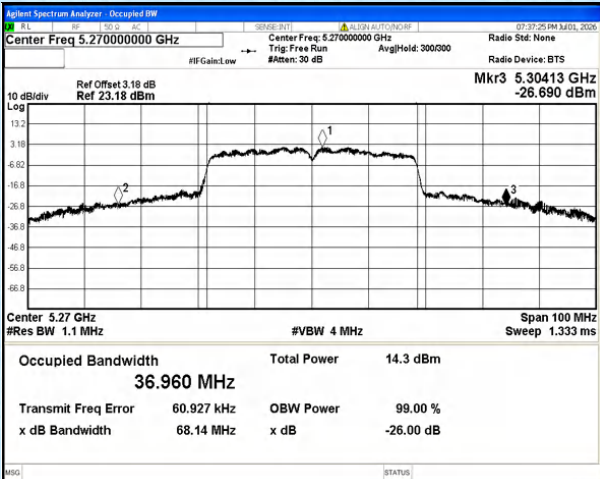
802.11ac40 MCH 5190MHz Ant1(SISO)NTNV



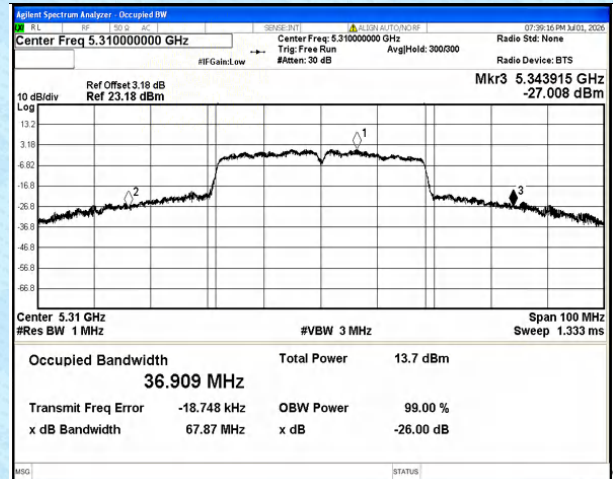
802.11ac40 MCH 5230MHz Ant1(SISO)NTNV



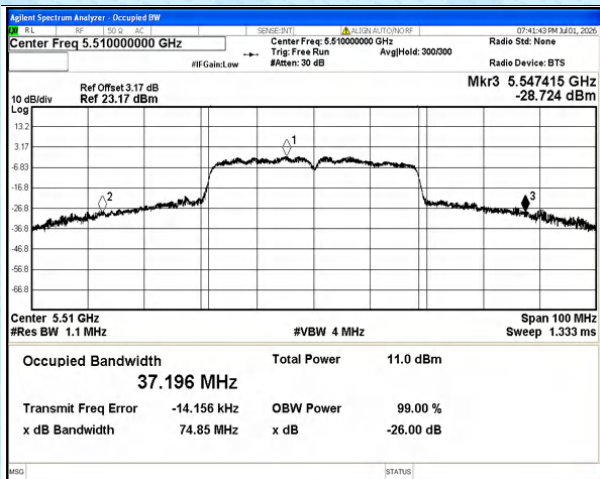
802.11ac40 MCH 5270MHz Ant1(SISO)NTNV



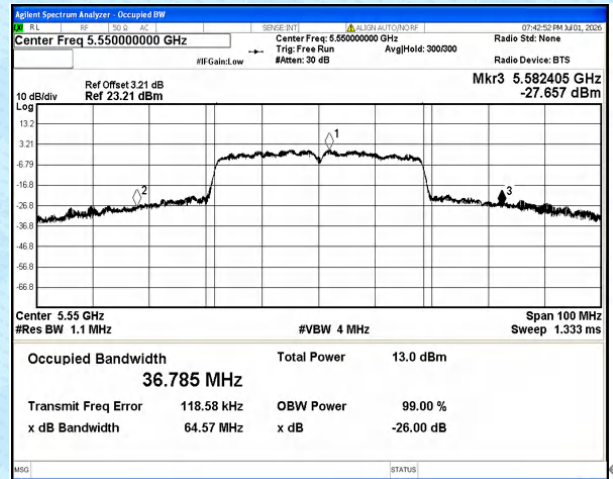
802.11ac40 MCH 5310MHz Ant1(SISO)NTNV



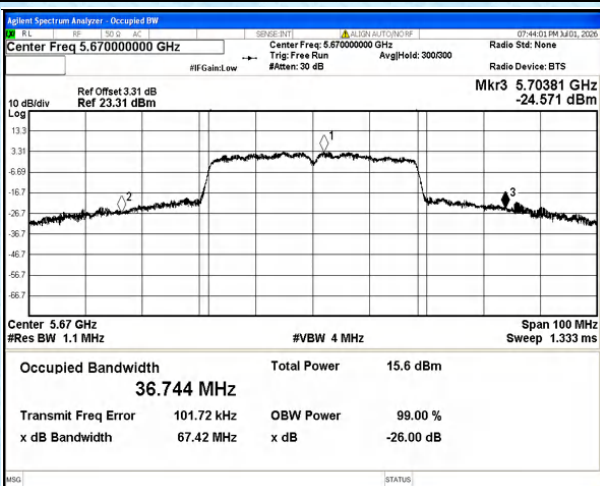
802.11ac40 MCH 5510MHz Ant1(SISO)NTNV



802.11ac40 MCH 5500MHz Ant1(SISO)NTNV



802.11ac40 MCH 5670MHz Ant1(SISO)NTNV



3. Maximum Conducted Output Power

3.1 Test Result

Condition	Mode	Frequency (MHz)	Antenna	Total Conducted Power (dBm)	Total Conducted Power (W)	Limit Conducted(dBm)	Verdict
NVNT	ac20	5180	Ant1	5.78	0.00378	24	Pass
NVNT	ac20	5200	Ant1	6.19	0.00416	24	Pass
NVNT	ac20	5240	Ant1	6.31	0.00428	24	Pass
NVNT	ac20	5260	Ant1	5.58	0.00361	23.52	Pass
NVNT	ac20	5280	Ant1	7.87	0.00612	23.52	Pass
NVNT	ac20	5320	Ant1	6.36	0.00433	23.52	Pass
NVNT	ac20	5500	Ant1	5.29	0.00338	23.52	Pass
NVNT	ac20	5700	Ant1	0.90	0.00123	23.52	Pass
NVNT	ac40	5190	Ant1	-1.58	0.0007	24	Pass
NVNT	ac40	5230	Ant1	-1.79	0.00066	24	Pass
NVNT	ac40	5270	Ant1	-1.29	0.00074	24	Pass
NVNT	ac40	5310	Ant1	-1.57	0.0007	24	Pass
NVNT	ac40	5510	Ant1	-3.23	0.00048	24	Pass
NVNT	ac40	5550	Ant1	-3.14	0.00049	24	Pass
NVNT	ac40	5670	Ant1	-3.22	0.00048	24	Pass

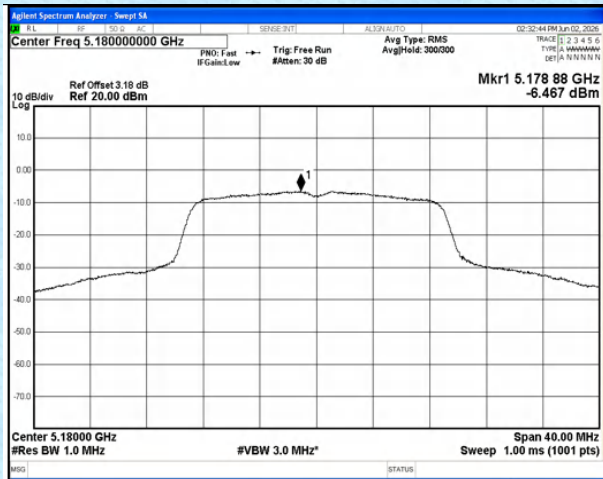
4.Power Spectral Density

4.1 Test Result

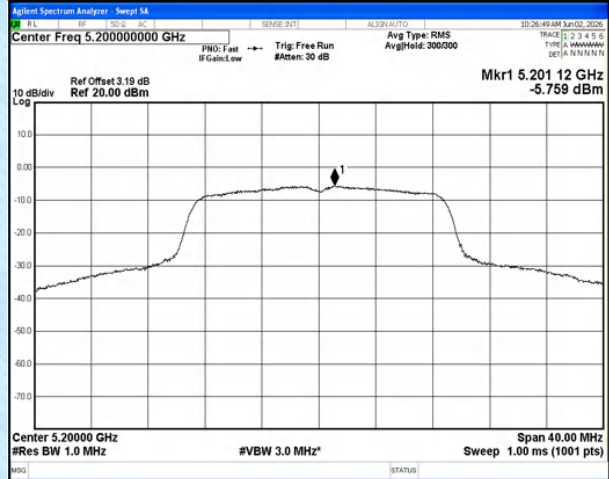
Condition	Mode	Frequency (MHz)	Antenna	Conducted PSD (dBm)	Duty Factor (dB)	Total Conducted PSD (dBm)	Limit Conducted(dBm)	Verdict
NVNT	ac20	5180	Ant1	-6.47	0	-6.47	11	Pass
NVNT	ac20	5200	Ant1	-5.76	0	-5.76	11	Pass
NVNT	ac20	5240	Ant1	-5.01	0	-5.01	11	Pass
NVNT	ac20	5260	Ant1	-5.74	0	-5.74	11	Pass
NVNT	ac20	5280	Ant1	-3.62	0	-3.62	11	Pass
NVNT	ac20	5320	Ant1	-5.02	0	-5.02	11	Pass
NVNT	ac20	5500	Ant1	-7.05	0	-7.05	11	Pass
NVNT	ac20	5700	Ant1	-10.8	0	-10.8	11	Pass
NVNT	ac40	5190	Ant1	-16.32	0.44	-15.88	11	Pass
NVNT	ac40	5230	Ant1	-15.42	0.29	-15.13	11	Pass
NVNT	ac40	5270	Ant1	-15.50	0.14	-15.36	11	Pass
NVNT	ac40	5310	Ant1	-15.87	0.29	-15.58	11	Pass
NVNT	ac40	5510	Ant1	-18.22	0.43	-17.79	11	Pass
NVNT	ac40	5550	Ant1	-18.09	0.44	-17.65	11	Pass
NVNT	ac40	5670	Ant1	-16.94	0.29	-16.65	11	Pass

4.2 Test Graph

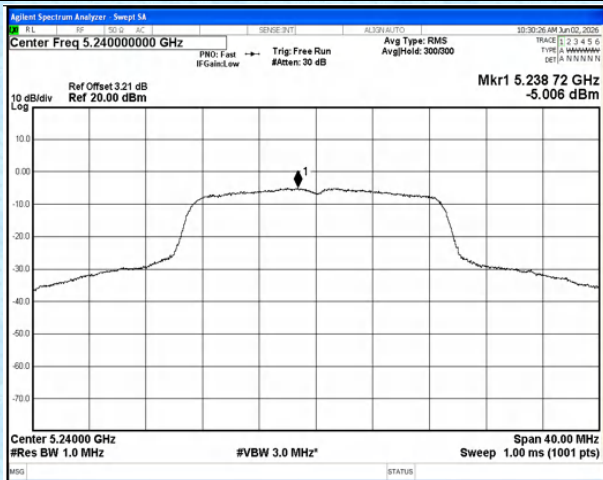
802.11ac20 MCH 5180MHz Ant1(SISO)NTNV



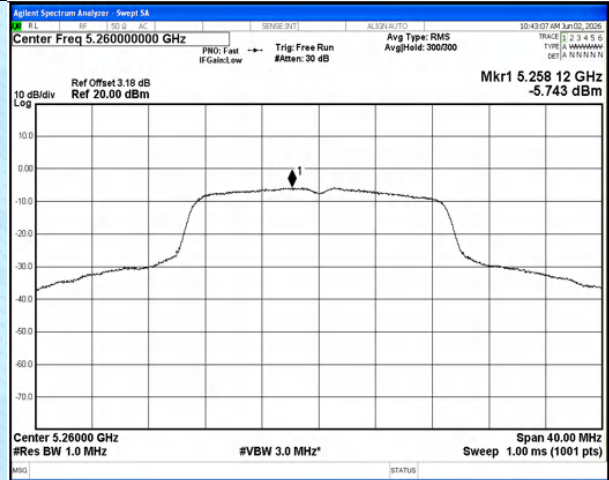
802.11ac20 MCH 5200MHz Ant1(SISO)NTNV



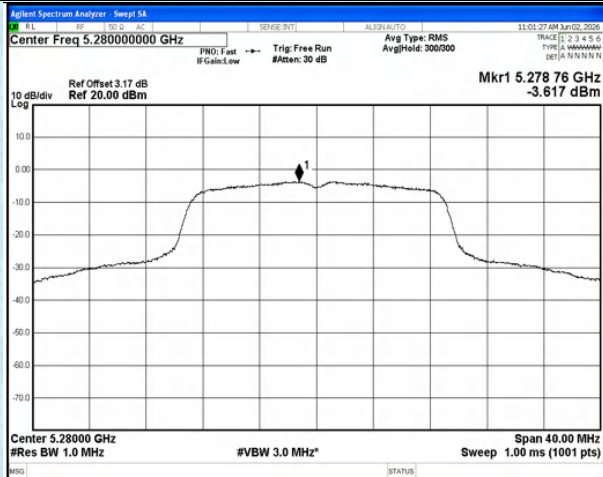
802.11ac20 MCH 5240MHz Ant1(SISO)NTNV



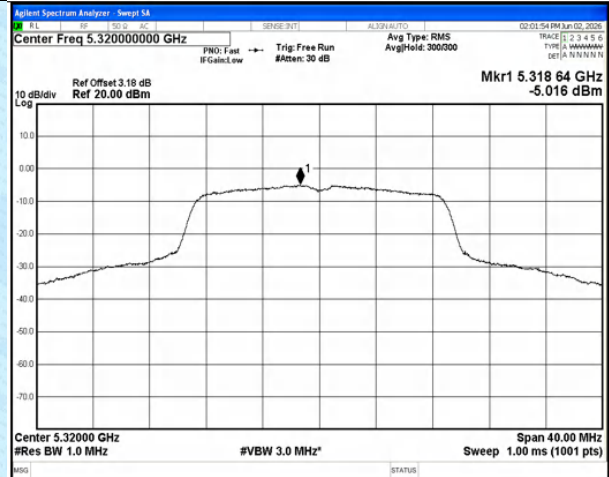
802.11ac20 MCH 5260MHz Ant1(SISO)NTNV



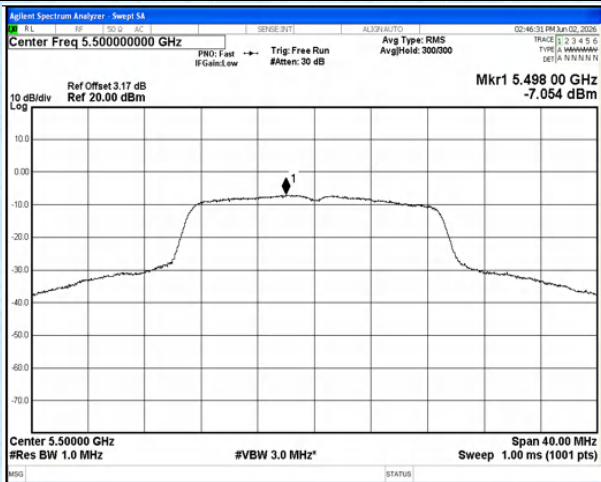
802.11ac20 MCH 5280MHz Ant1(SISO)NTNV



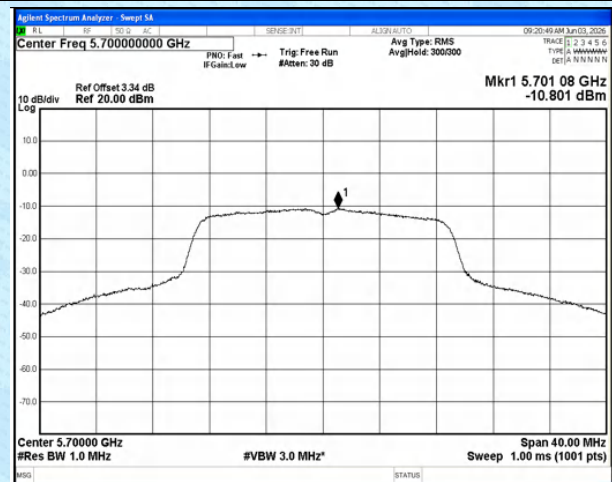
802.11ac20 MCH 5320MHz Ant1(SISO)NTNV



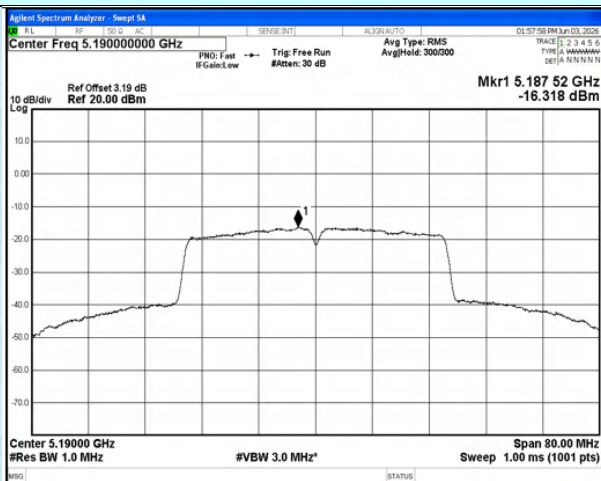
802.11ac20 MCH 5500MHz Ant1(SISO)NTNV



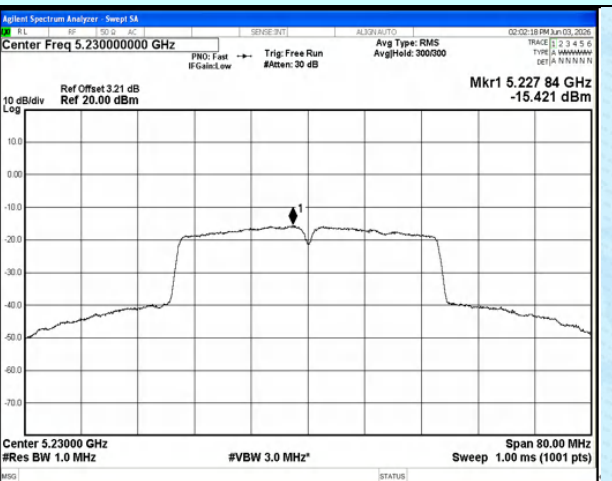
802.11ac20 MCH 5700MHz Ant1(SISO)NTNV



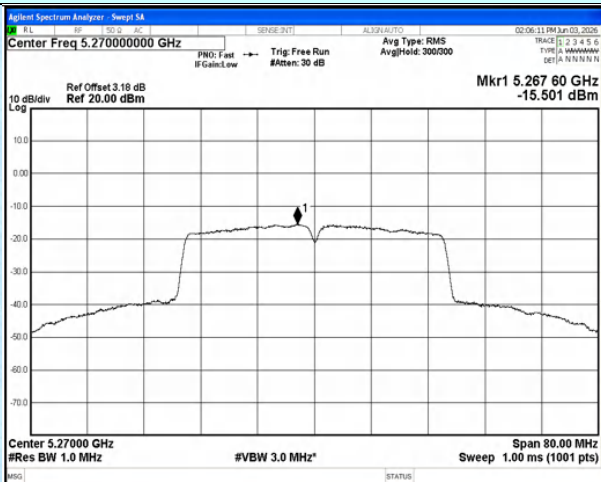
802.11ac40 MCH 5190MHz Ant1(SISO)NTNV



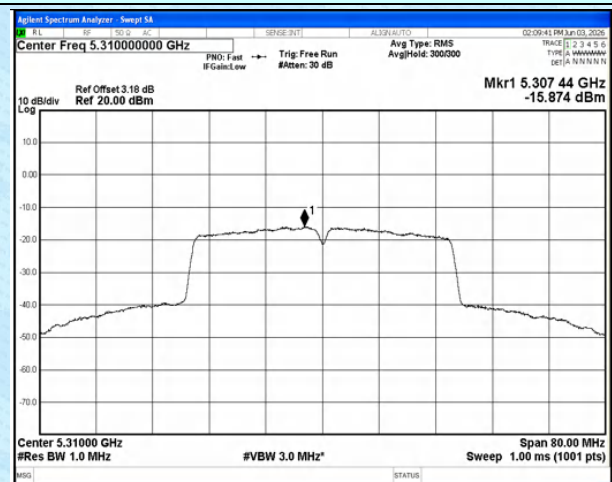
802.11ac40 MCH 5230MHz Ant1(SISO)NTNV



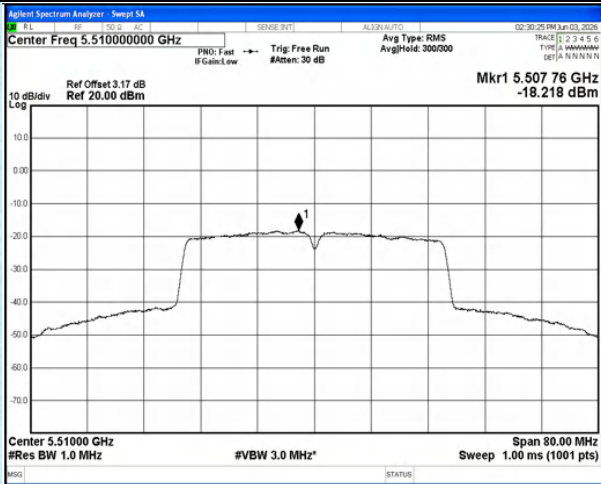
802.11ac40 MCH 5270MHz Ant1(SISO)NTNV



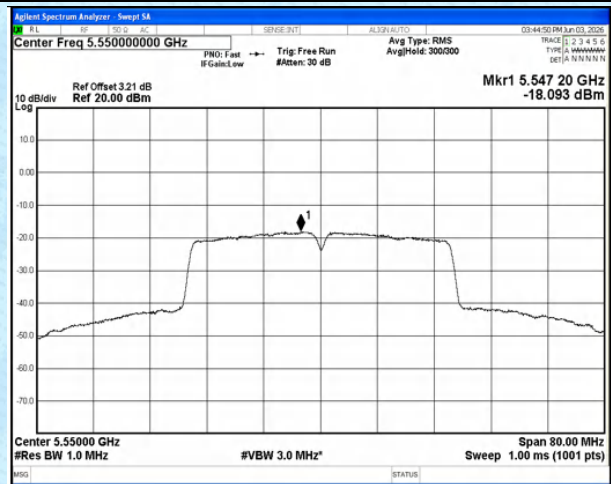
802.11ac40 MCH 5310MHz Ant1(SISO)NTNV



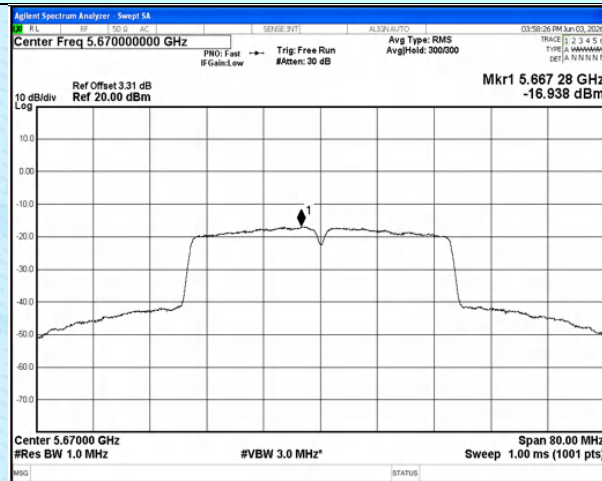
802.11ac40 MCH 5510MHz Ant1(SISO)NTNV



802.11ac40 MCH 5550MHz Ant1(SISO)NTNV



802.11ac40 MCH 5670MHz Ant1(SISO)NTNV



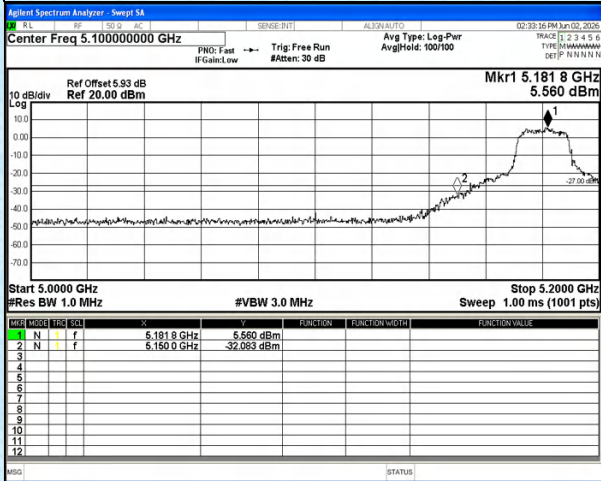
5. Unwanted Emissions in restricted Frequency Bands & Band Edge

5.1 Test Result

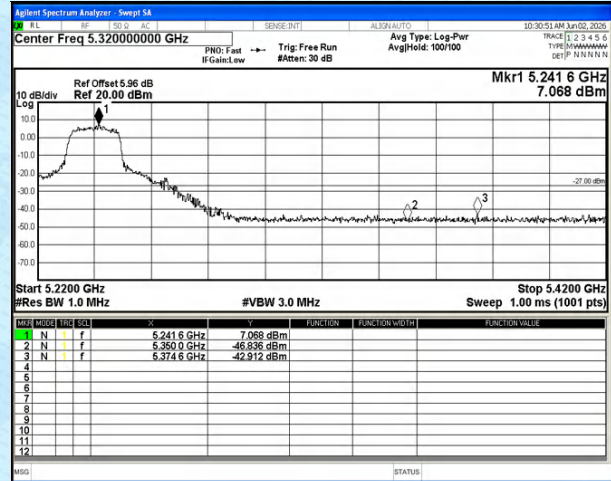
Condition	Mode	Frequency (MHz)	Antenna	Max Value (dBm)	Limit (dBm)	Verdict
NVNT	ac20	5180	Ant1	-32.08	-27	Pass
NVNT	ac20	5240	Ant1	-42.91	-27	Pass
NVNT	ac20	5260	Ant1	-43.42	-27	Pass
NVNT	ac20	5320	Ant1	-30.08	-27	Pass
NVNT	ac20	5500	Ant1	-30.81	-27	Pass
NVNT	ac20	5700	Ant1	-33.94	-27	Pass
NVNT	ac40	5190	Ant1	-35.31	-27	Pass
NVNT	ac40	5230	Ant1	-43.68	-27	Pass
NVNT	ac40	5270	Ant1	-44.21	-27	Pass
NVNT	ac40	5310	Ant1	-36.73	-27	Pass
NVNT	ac40	5510	Ant1	-35.73	-27	Pass
NVNT	ac40	5670	Ant1	-40.77	-27	Pass
Antenna gain included in Ref Offset; reading directly represents EIRP level for Band Edge compliance judgment.						

5.2 Test Graph

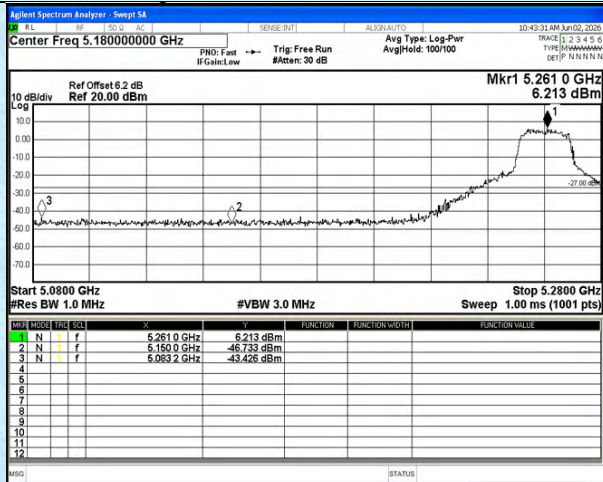
802.11ac20 MCH 5180MHz Ant1(SISO)NTNV



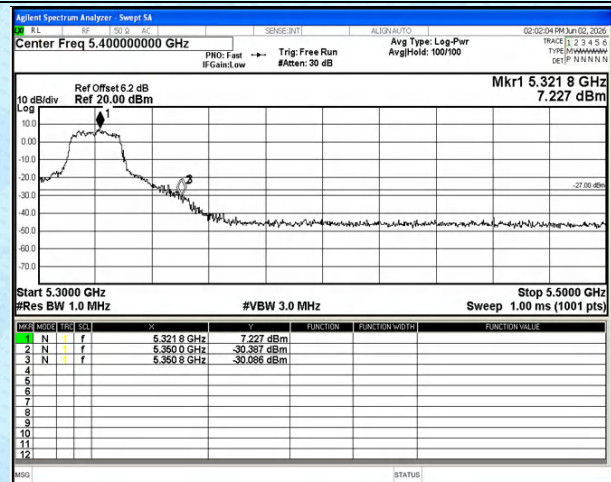
802.11ac20 MCH 5240MHz Ant1(SISO)NTNV



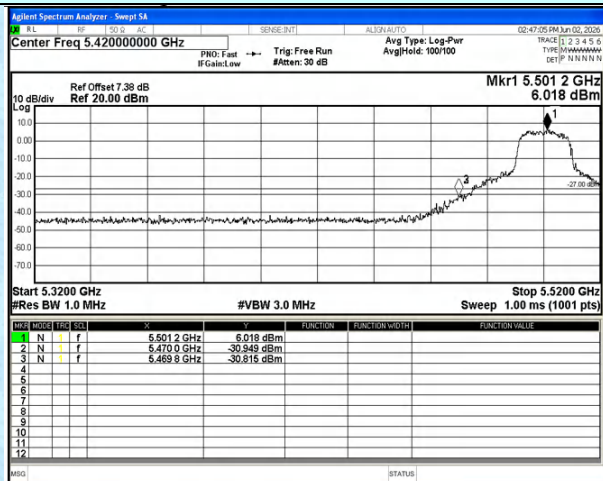
802.11ac20 MCH 5260MHz Ant1(SISO)NTNV



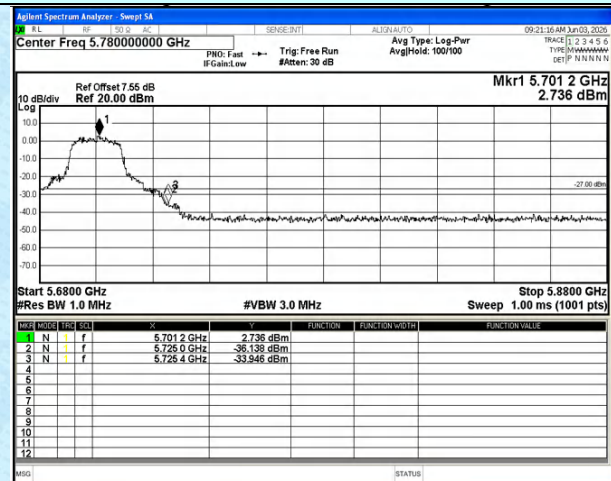
802.11ac20 MCH 5320MHz Ant1(SISO)NTNV



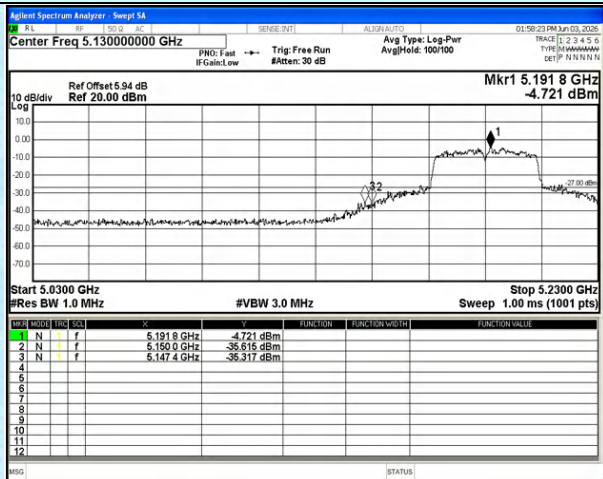
802.11ac20 MCH 5500MHz Ant1(SISO)NTNV



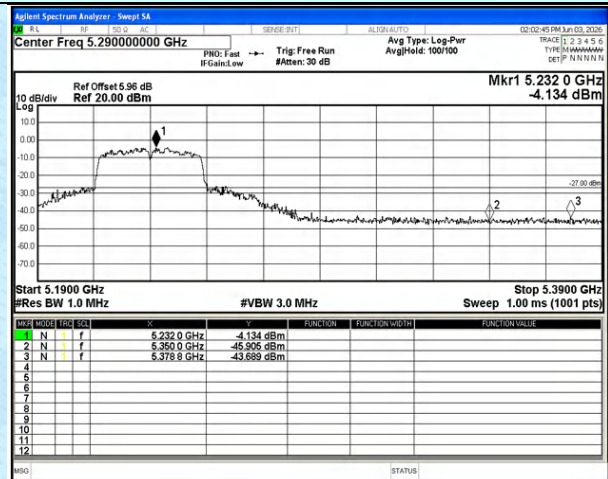
802.11ac20 MCH 5700MHz Ant1(SISO)NTNV



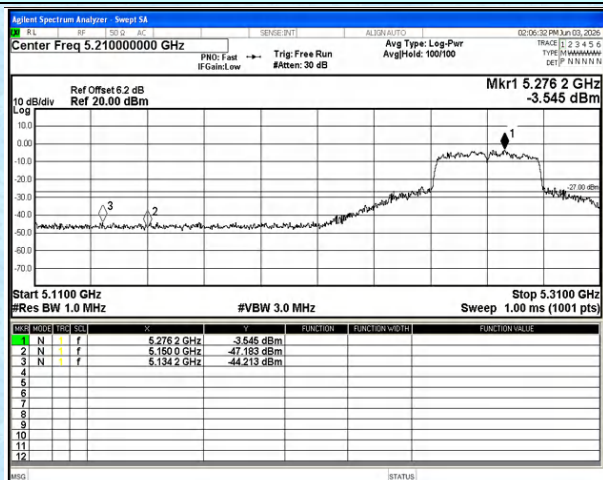
802.11ac40 MCH 5190MHz Ant1(SISO)NTNV



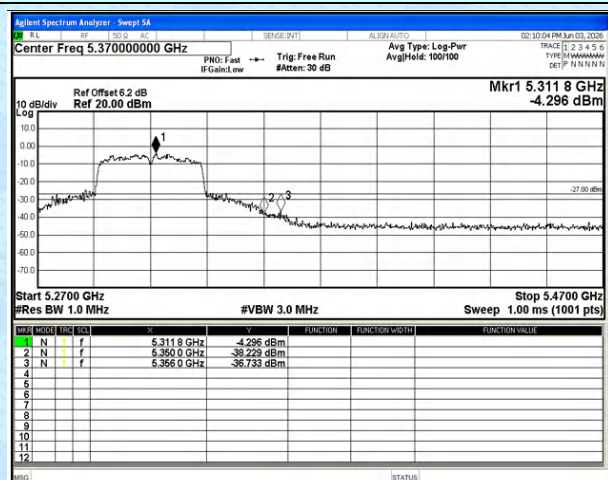
802.11ac40 MCH 5230MHz Ant1(SISO)NTNV



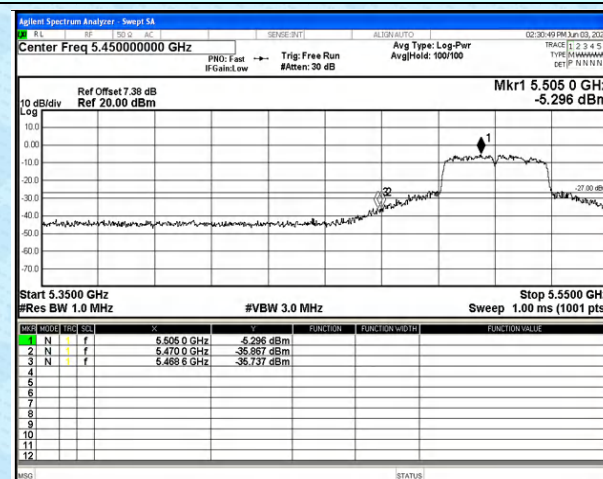
802.11ac40 MCH 5270MHz Ant1(SISO)NTNV



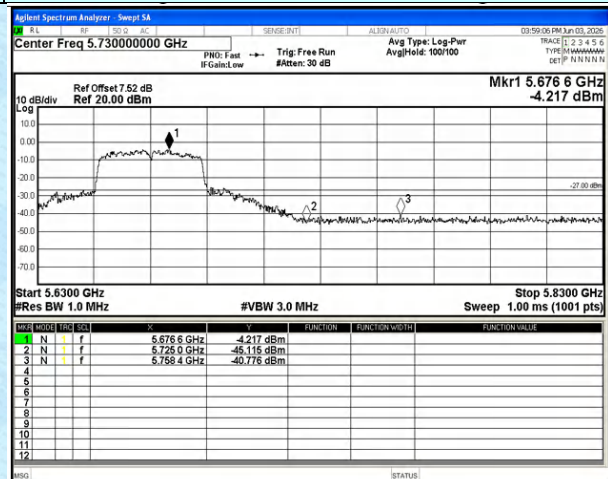
802.11ac40 MCH 5310MHz Ant1(SISO)NTNV



802.11ac40 MCH 5510MHz Ant1(SISO)NTNV



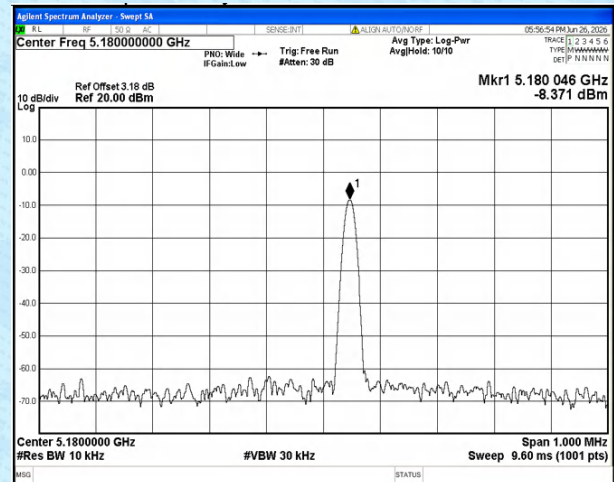
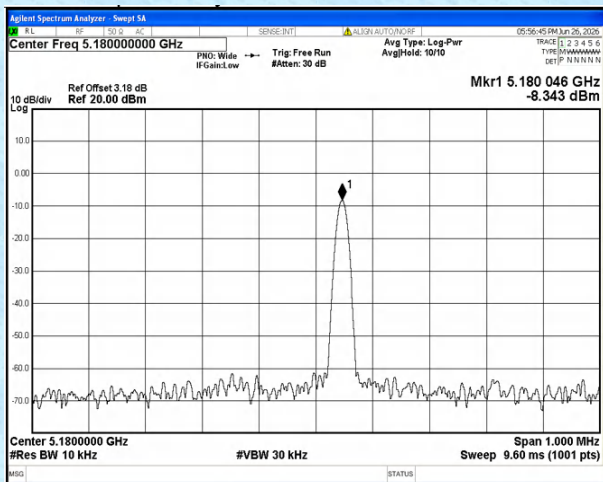
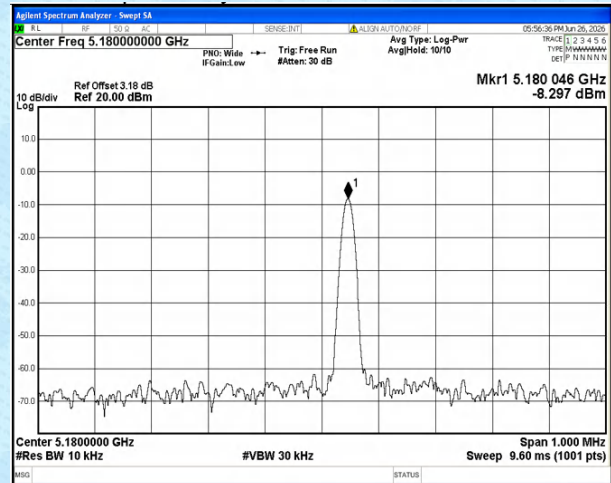
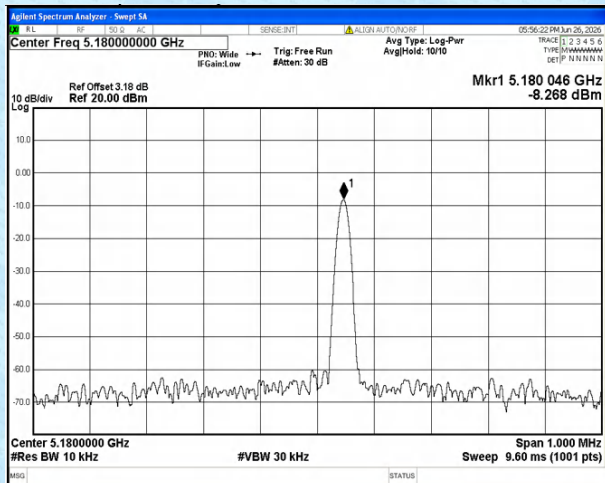
802.11ac40 MCH 5670MHz Ant1(SISO)NTNV

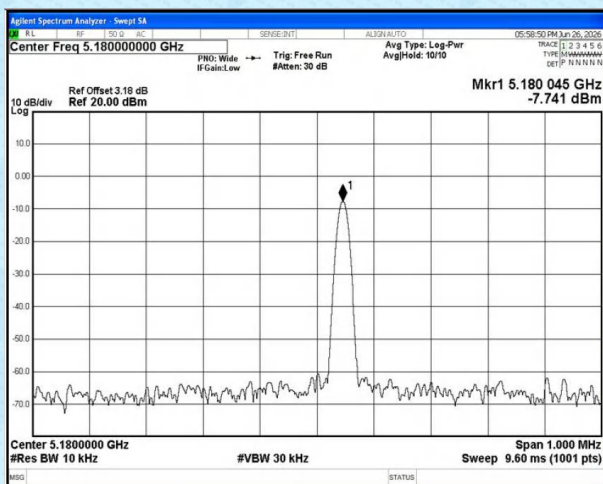
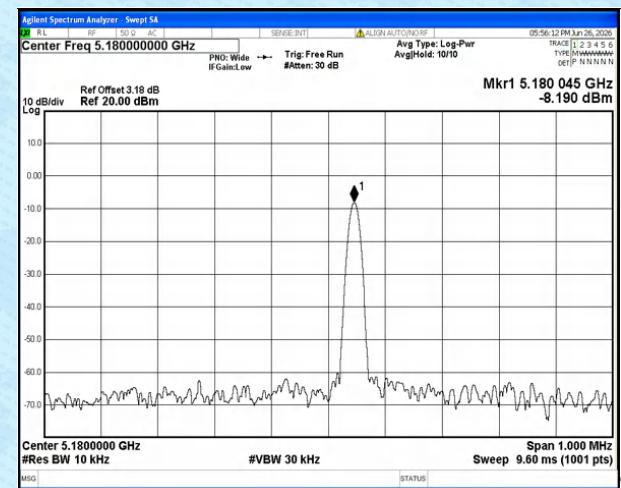
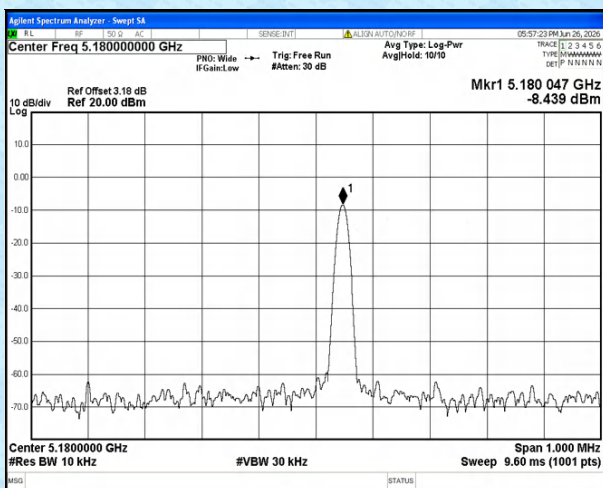
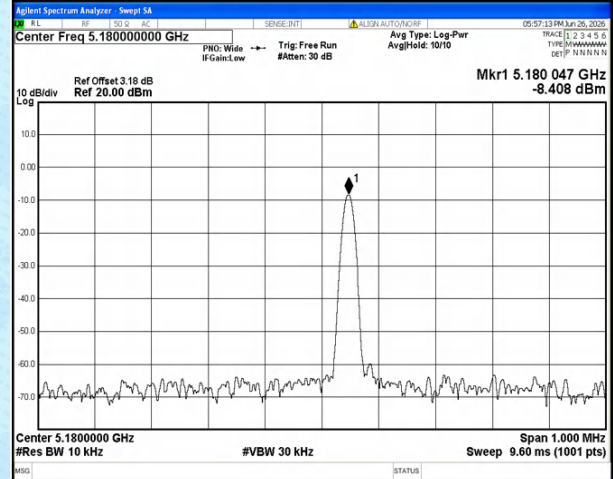
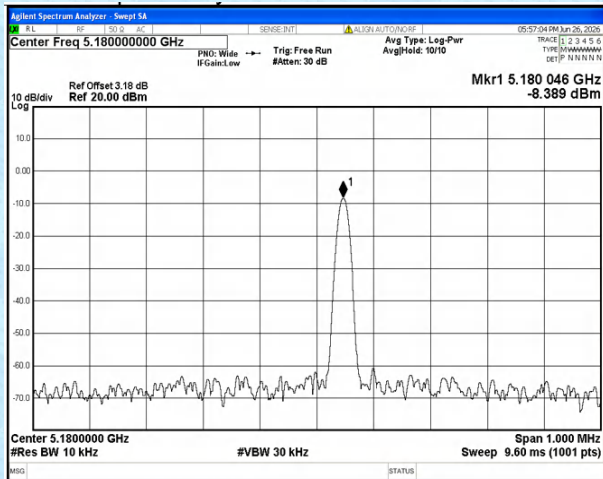


6. Frequency Stability

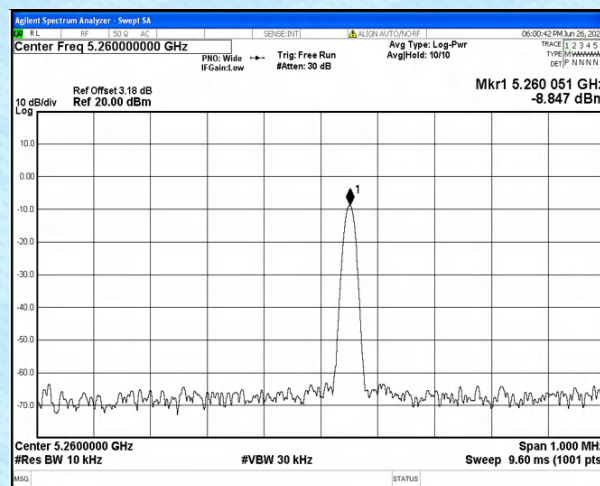
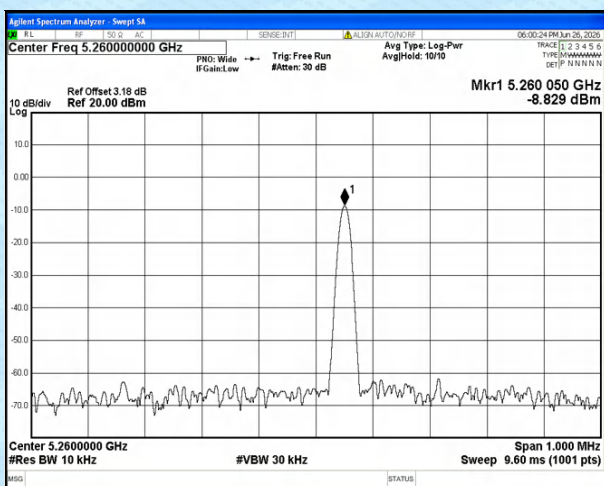
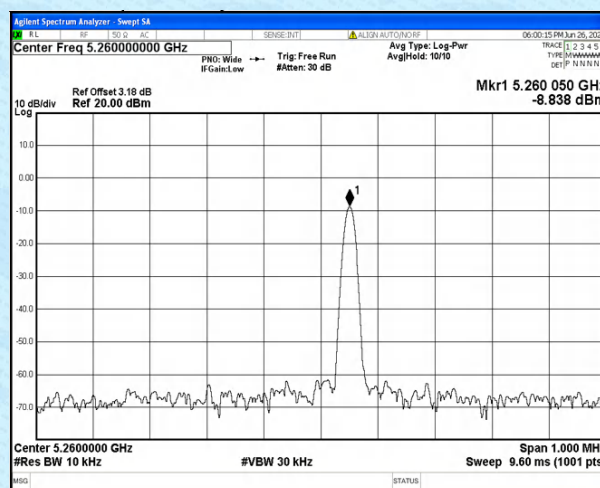
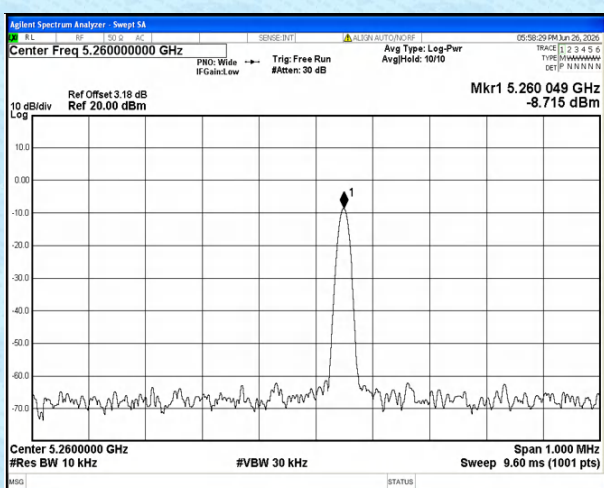
6.1 Test Result

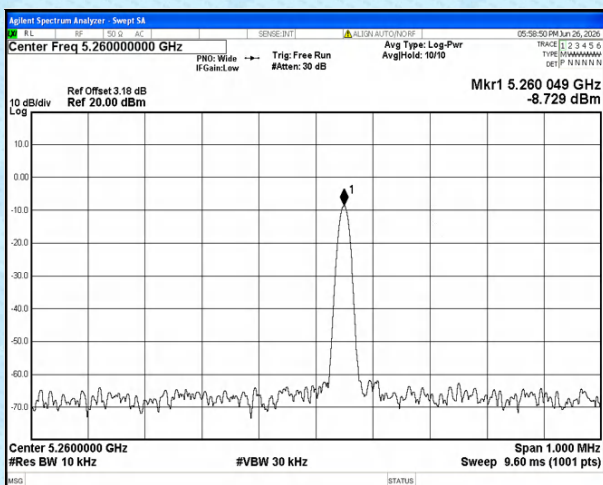
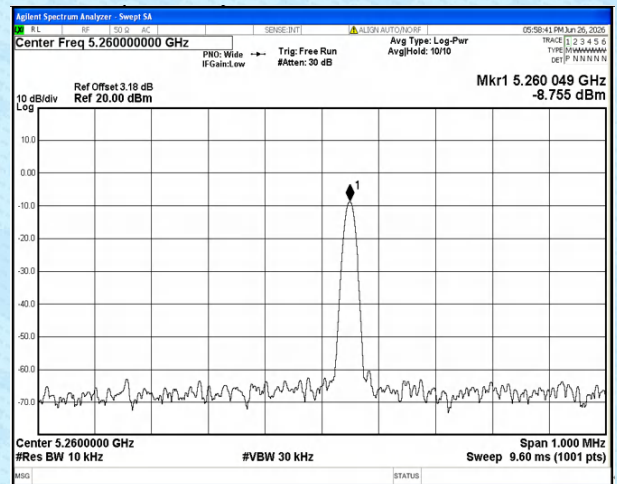
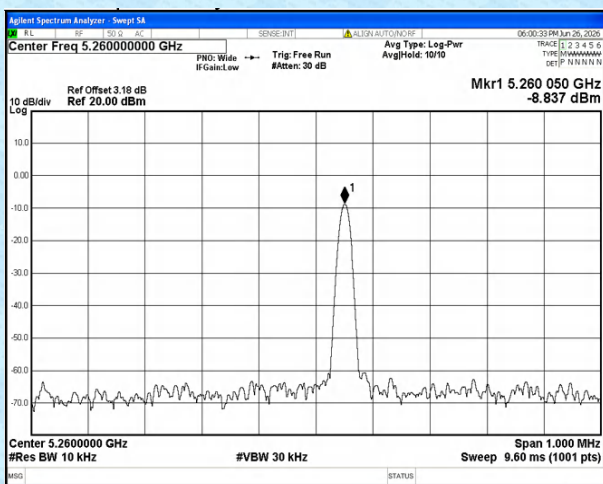
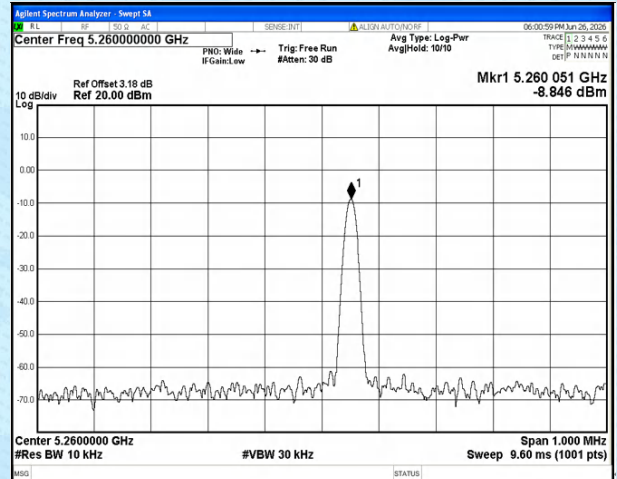
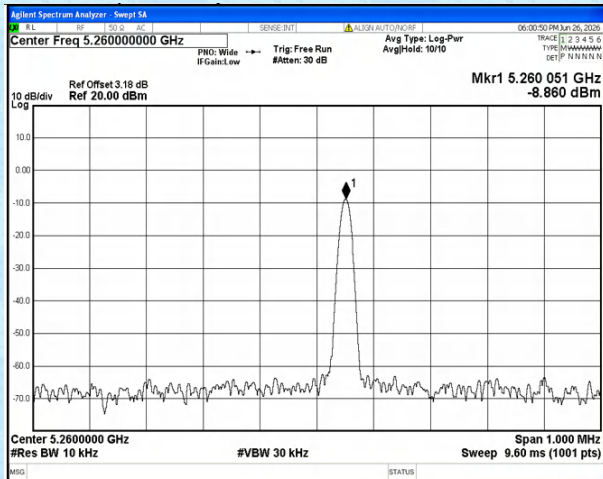
Frequency (MHz)	Voltage (V)	Temperature (°C)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
5180	120	-20	Ant1	5180.046	8.88	25	Pass
		0	Ant1	5180.046	8.88	25	Pass
		10	Ant1	5180.046	8.88	25	Pass
		20	Ant1	5180.046	8.88	25	Pass
		30	Ant1	5180.046	8.88	25	Pass
		40	Ant1	5180.047	9.07	25	Pass
		50	Ant1	5180.047	9.07	25	Pass
	102	25	Ant1	5180.045	8.69	25	Pass
	138	25	Ant1	5180.045	8.69	25	Pass



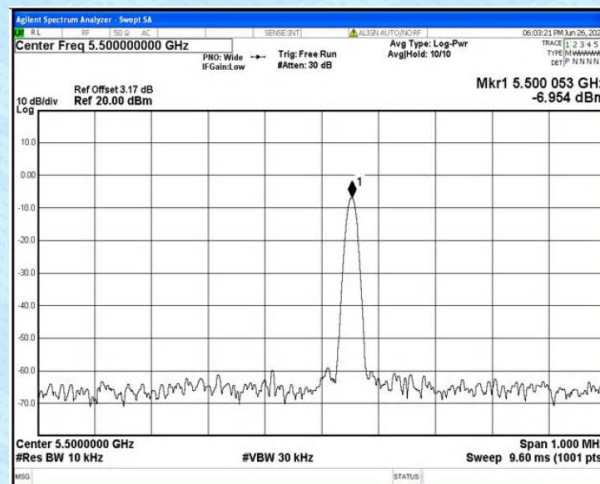
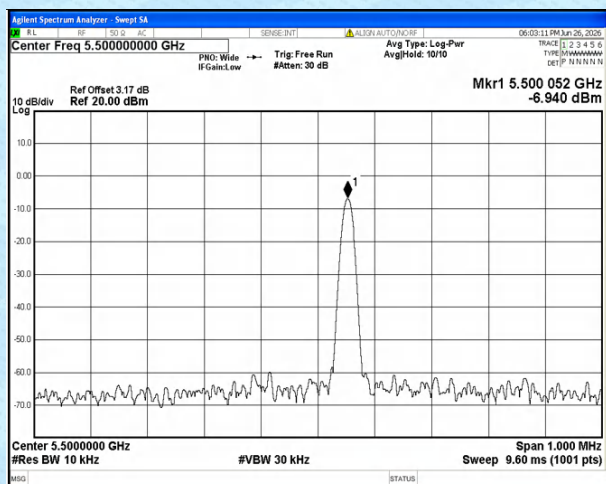
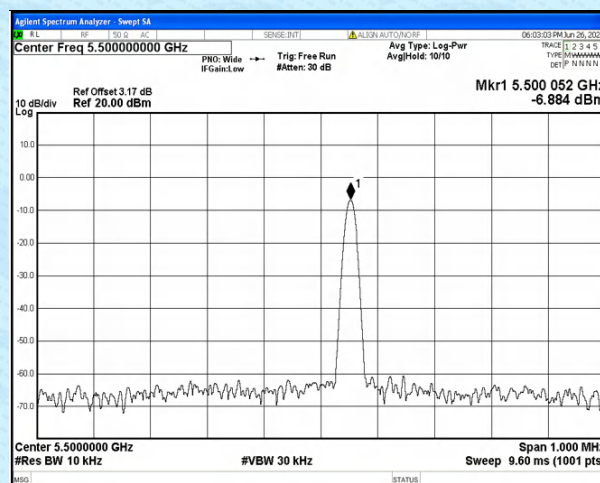
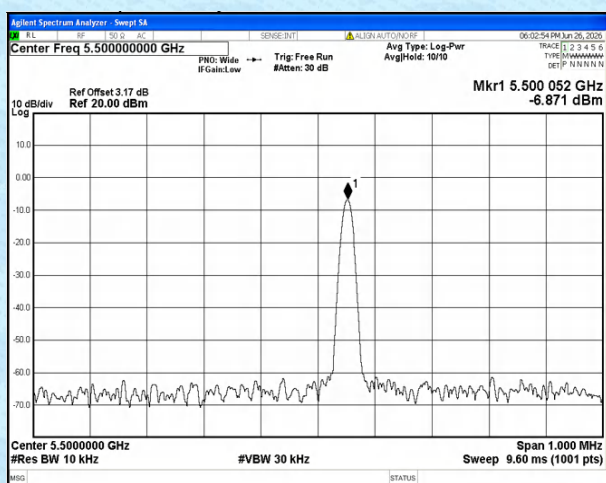


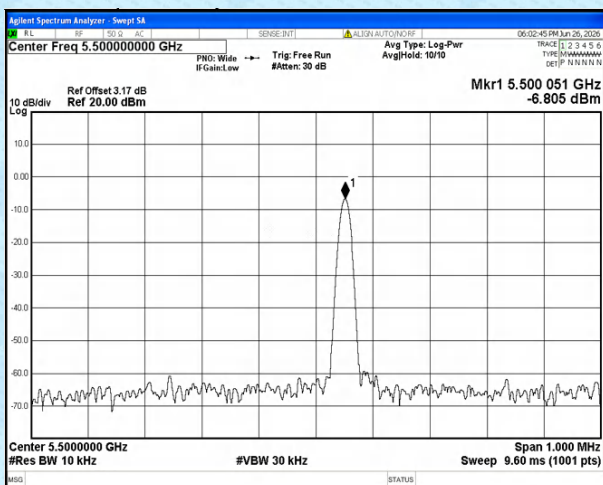
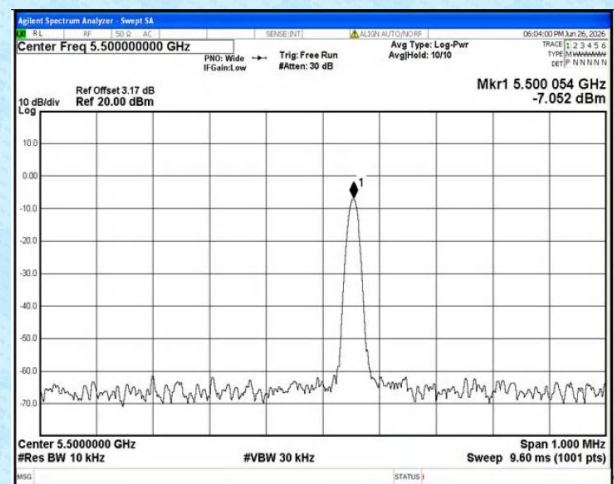
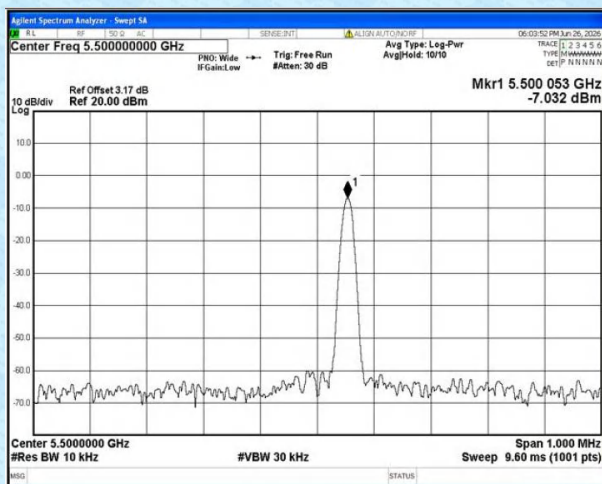
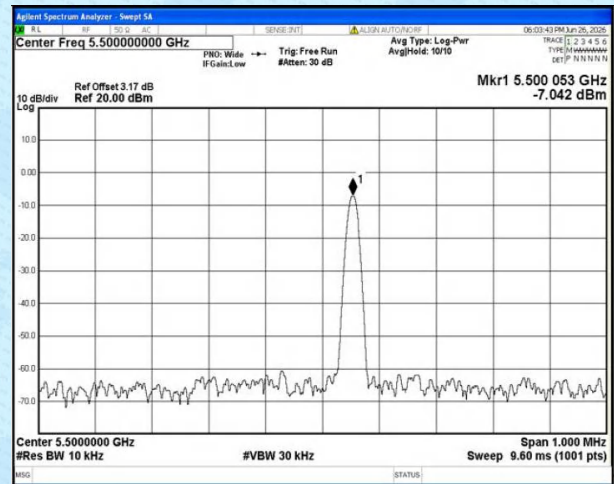
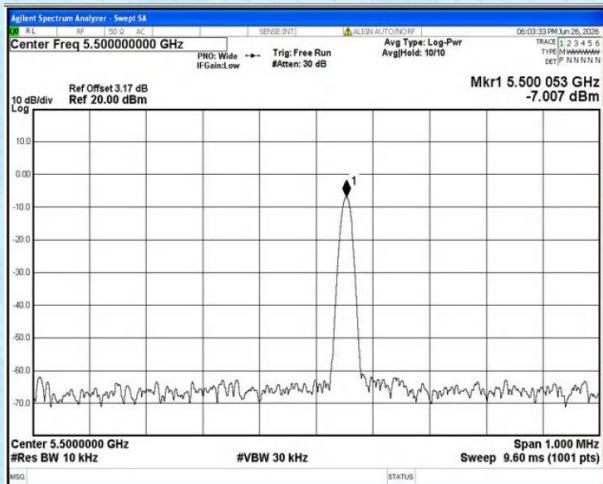
Frequency (MHz)	Voltage (V)	Temperature (°C)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
5260	120	-20	Ant1	5260.049	9.32	25	Pass
		0	Ant1	5260.050	9.51	25	Pass
		10	Ant1	5260.050	9.51	25	Pass
		20	Ant1	5260.051	9.70	25	Pass
		30	Ant1	5260.051	9.70	25	Pass
		40	Ant1	5260.051	9.70	25	Pass
	102	25	Ant1	5260.049	9.32	25	Pass
	138	25	Ant1	5260.049	9.32	25	Pass





Frequency (MHz)	Voltage (V)	Temperature (°C)	Antenna	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Verdict
5500	120	-20	Ant1	5500.052	9.45	25	Pass
		0	Ant1	5500.052	9.45	25	Pass
		10	Ant1	5500.052	9.45	25	Pass
		20	Ant1	5500.053	9.64	25	Pass
		30	Ant1	5500.053	9.64	25	Pass
		40	Ant1	5500.053	9.64	25	Pass
	102	25	Ant1	5500.054	9.82	25	Pass
	138	25	Ant1	5500.051	9.27	25	Pass





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