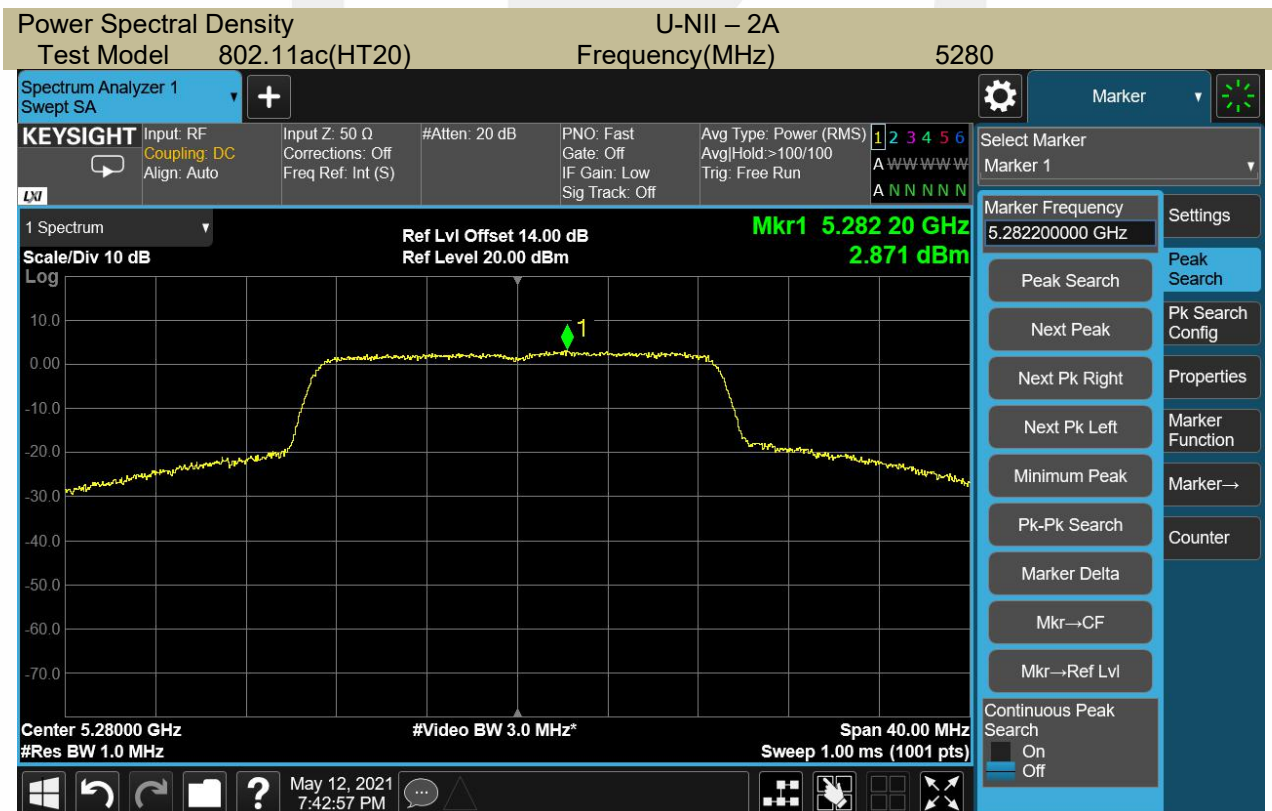
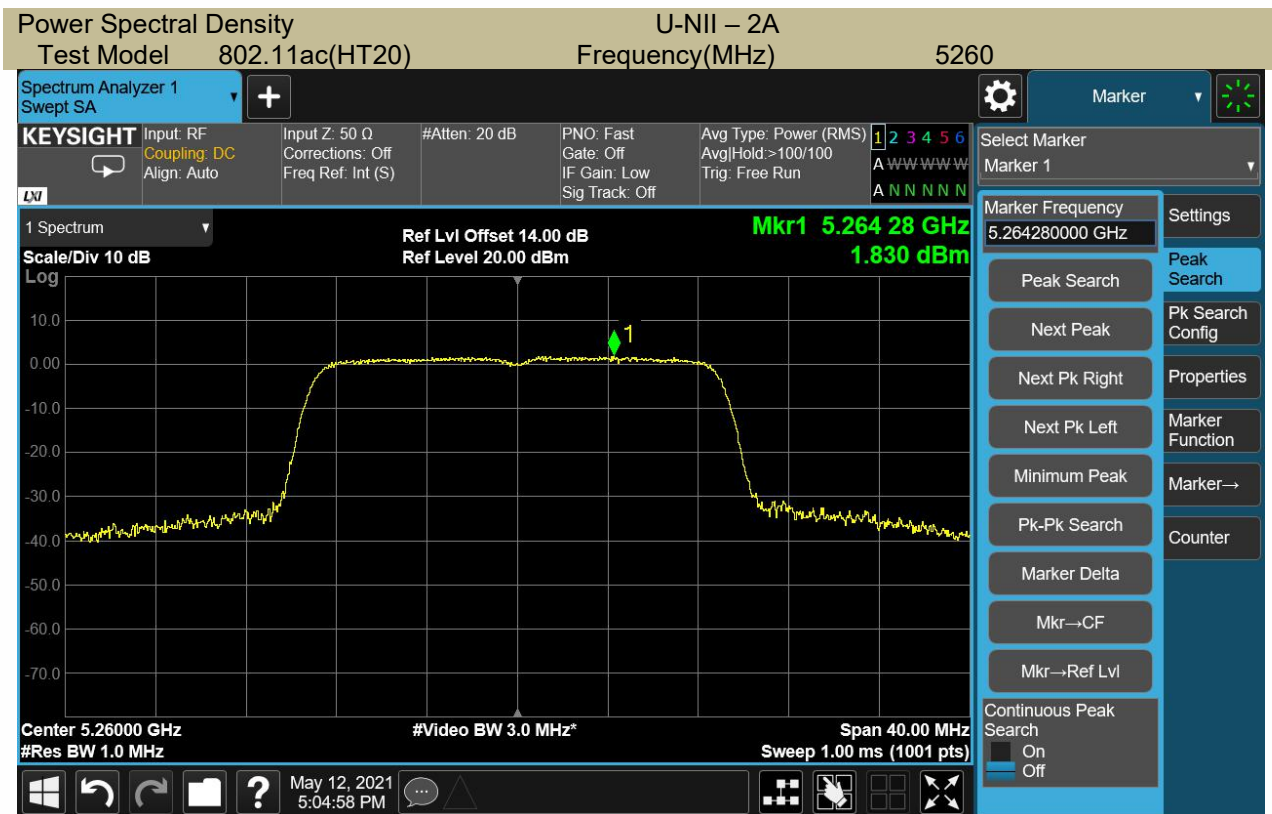
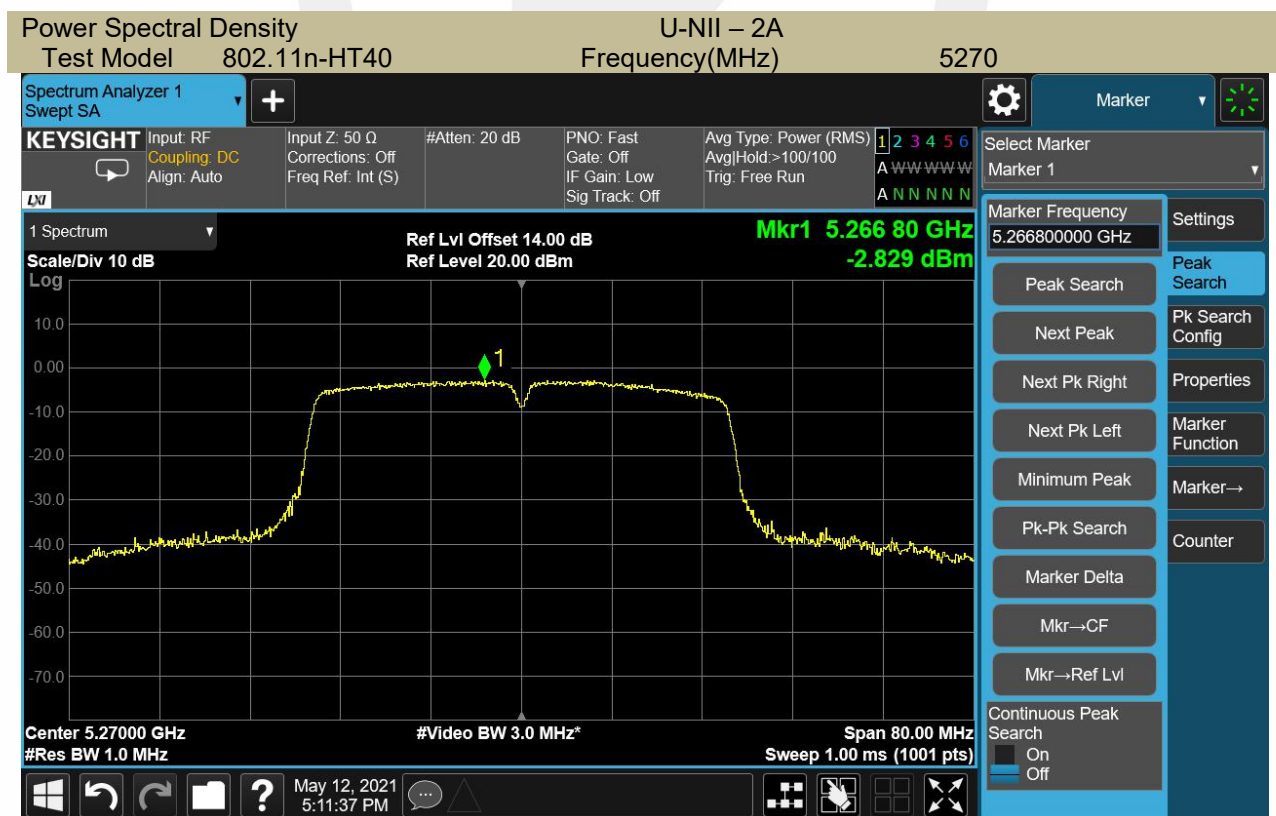
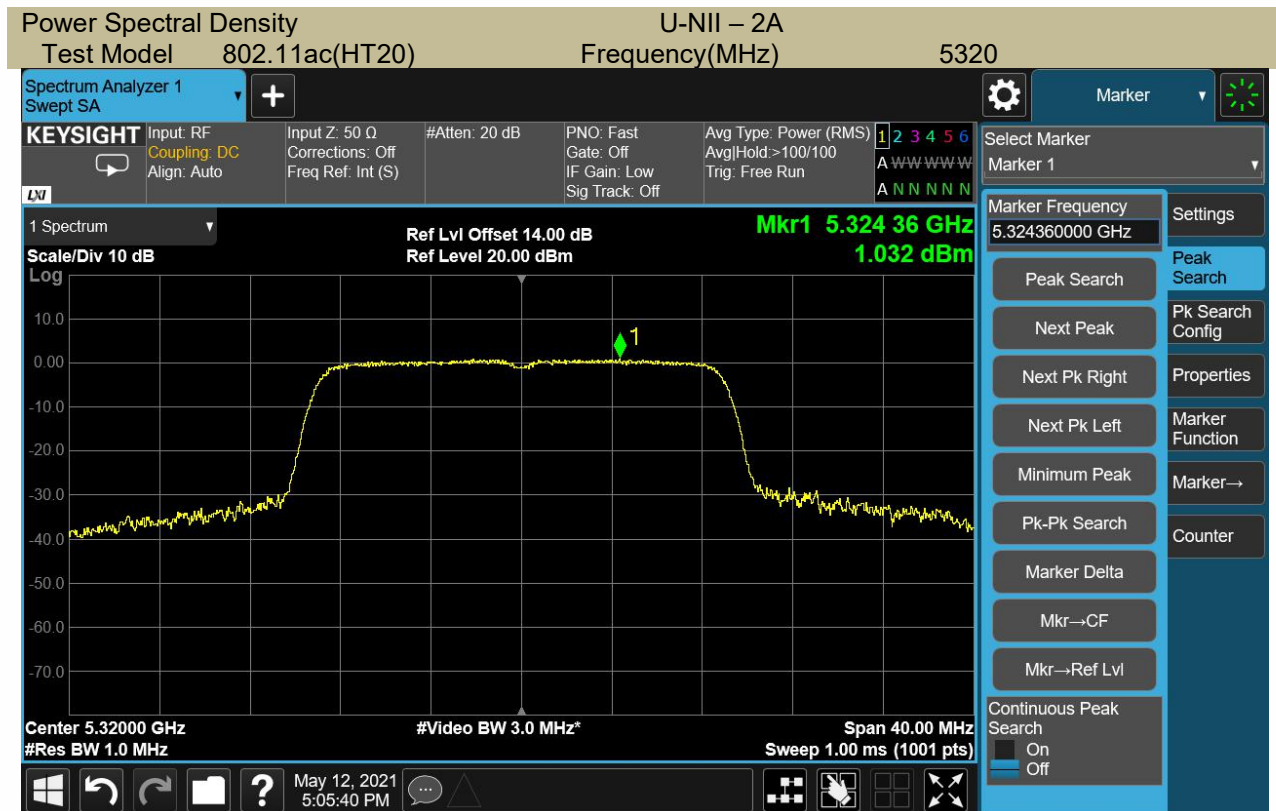
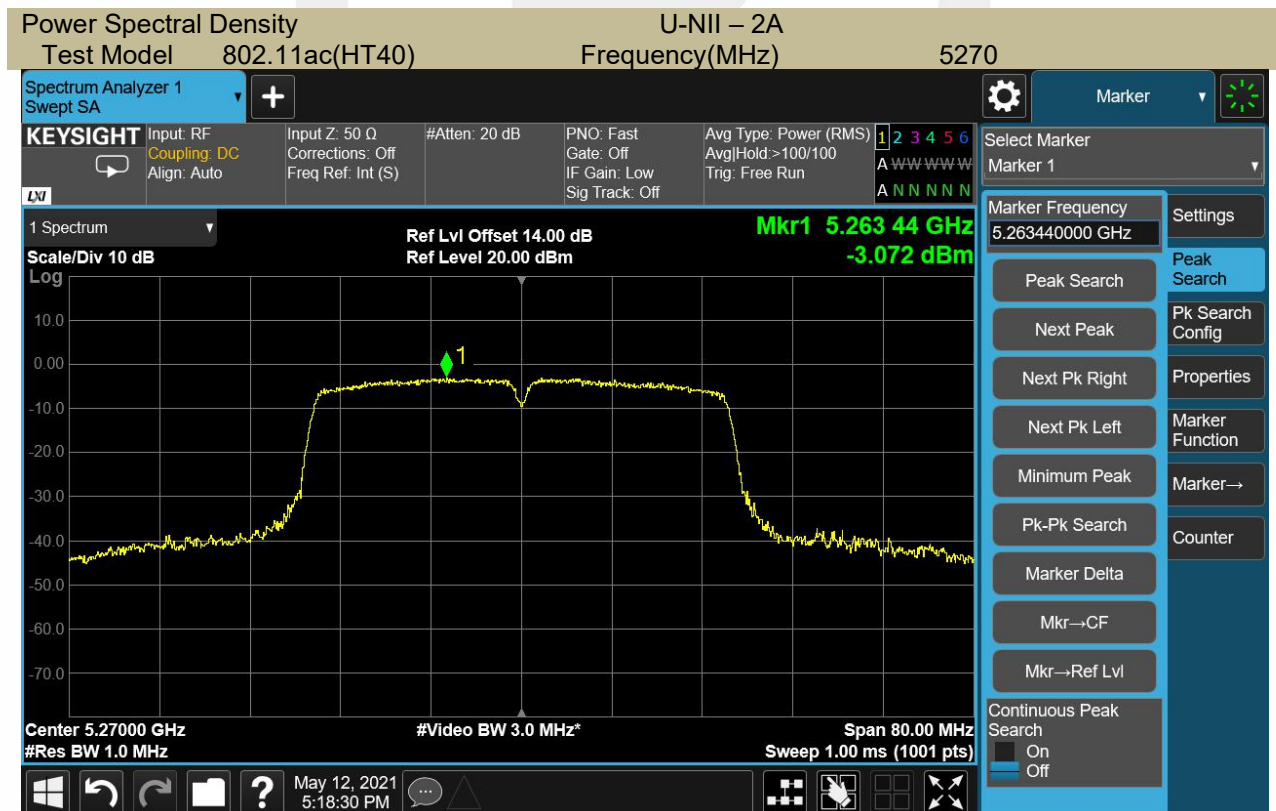
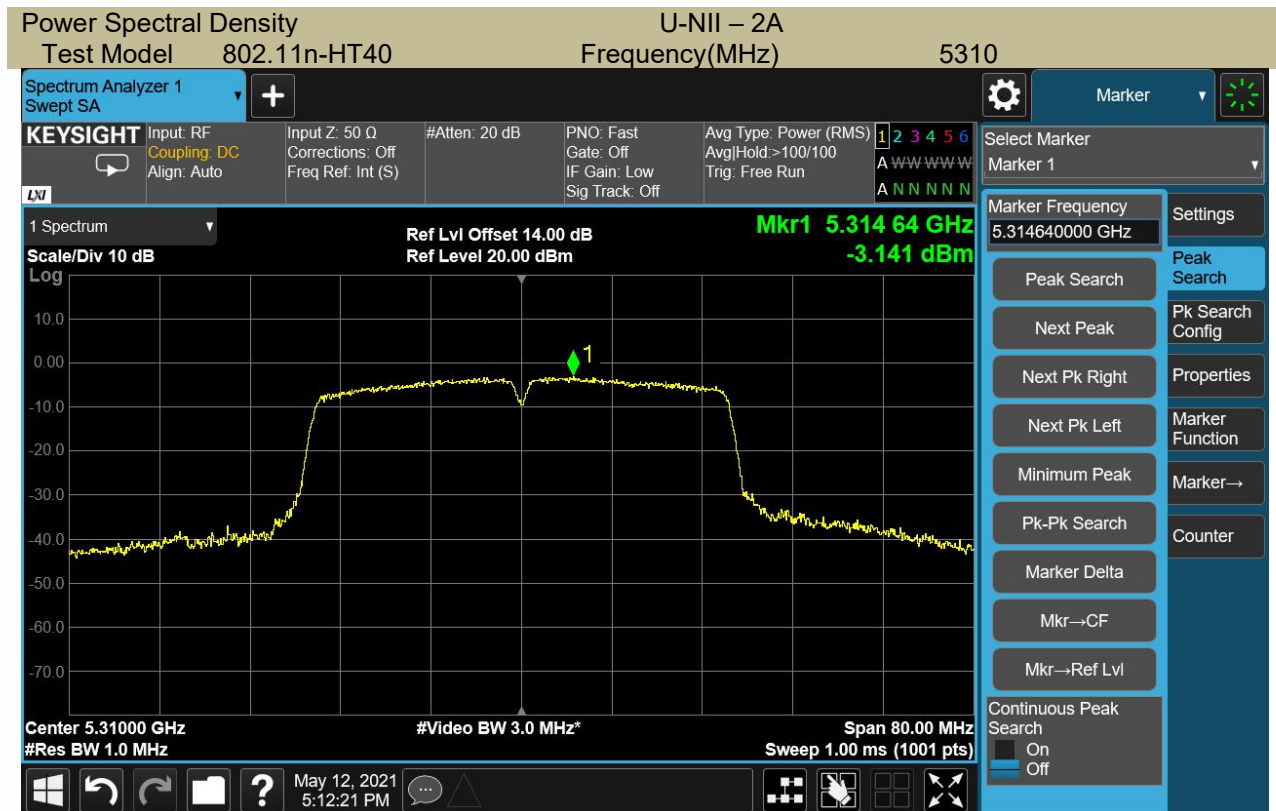
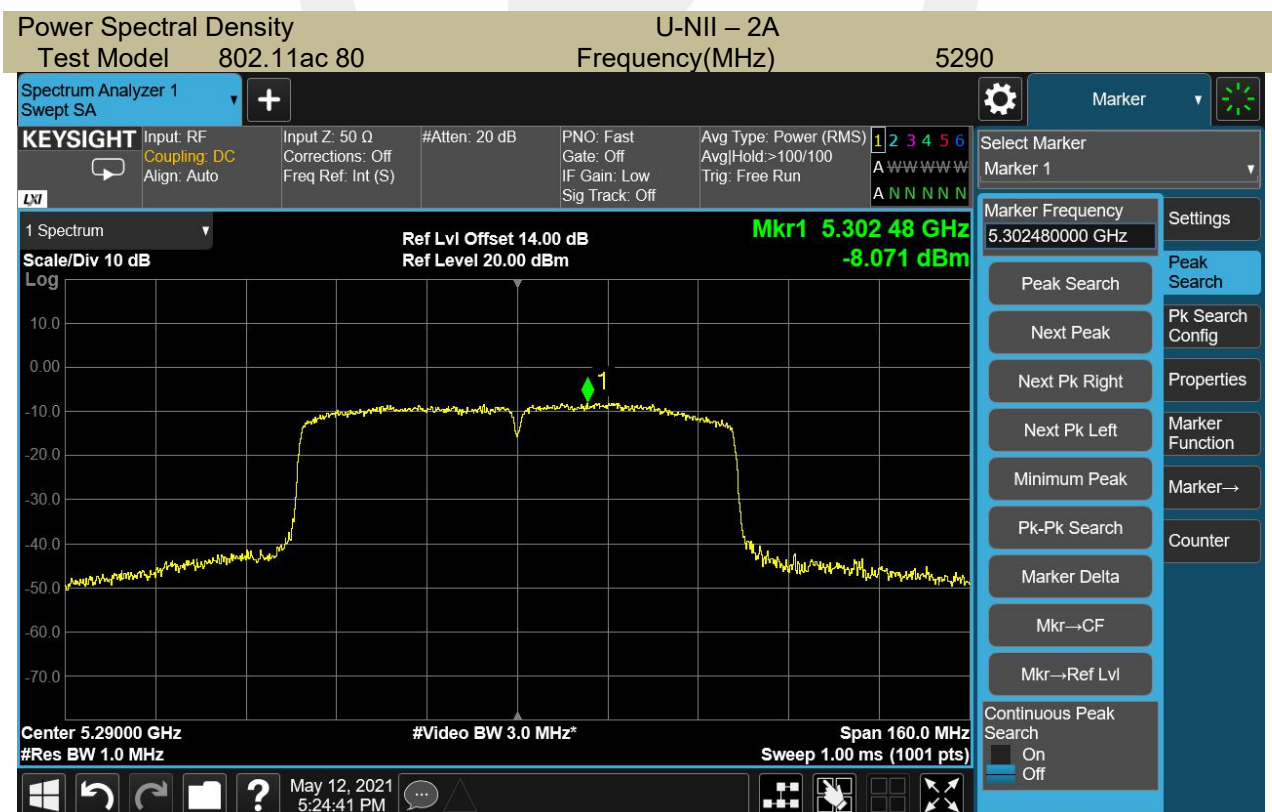
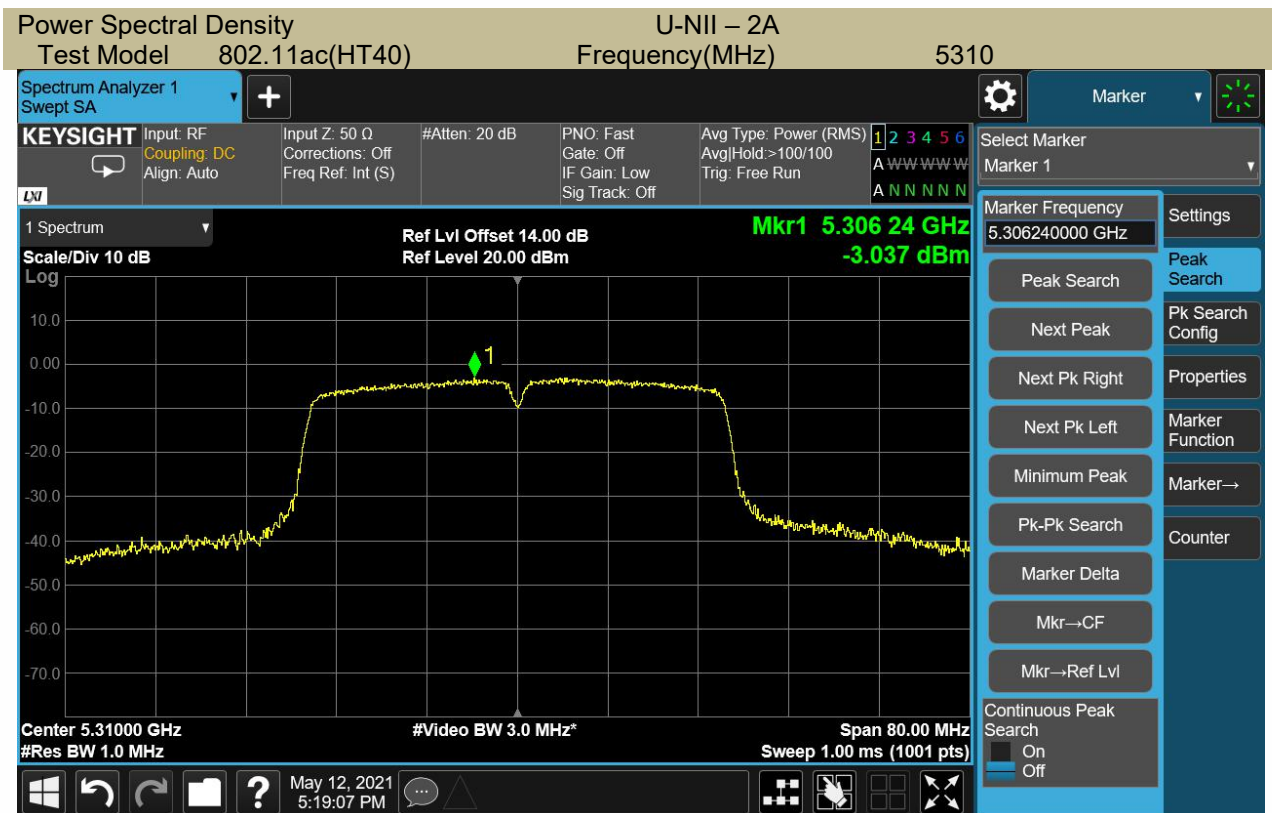




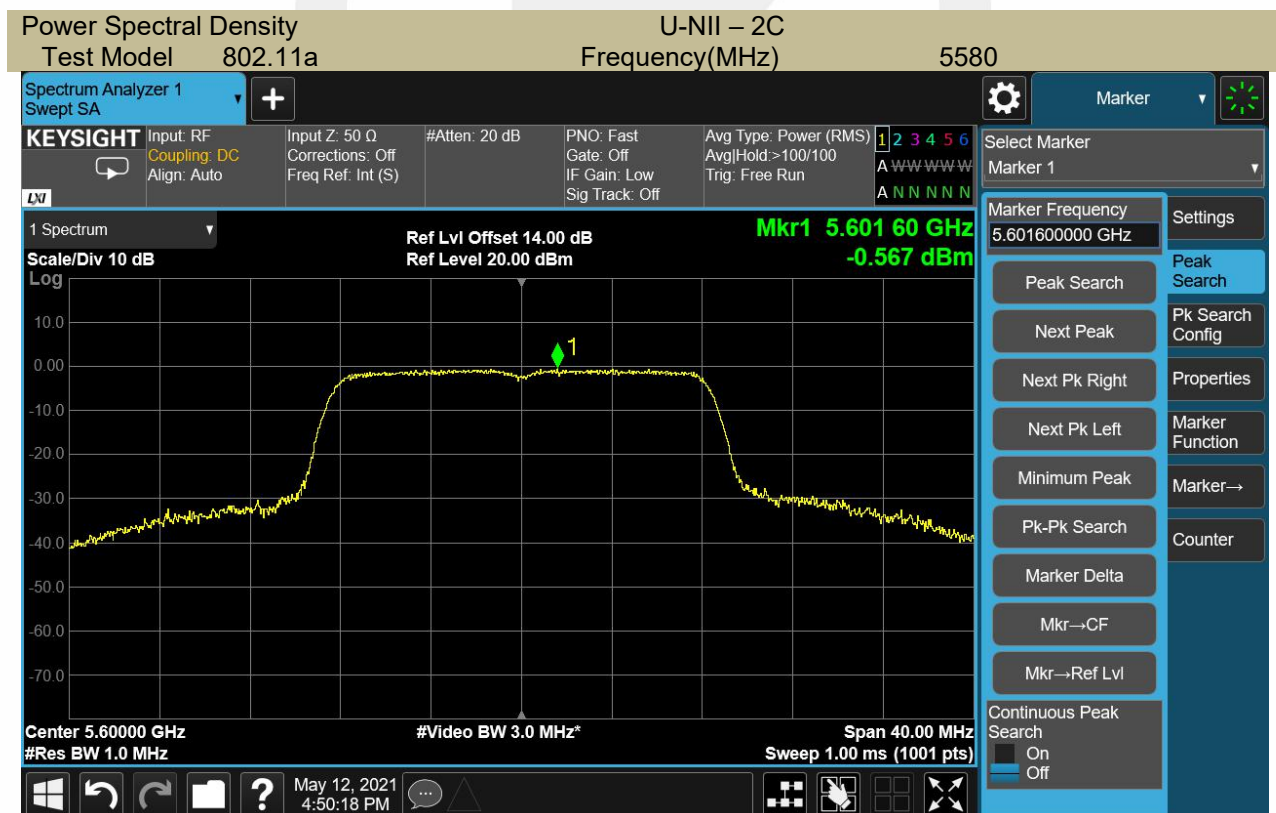
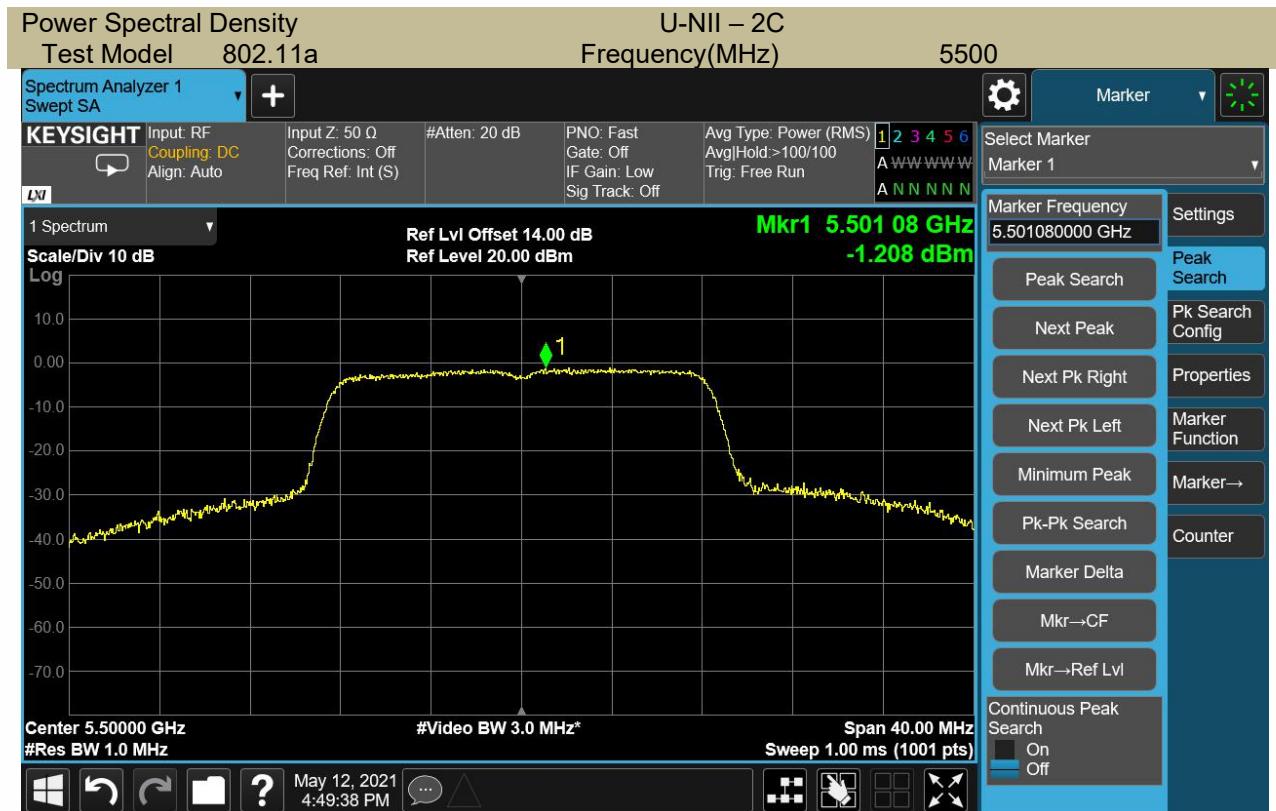


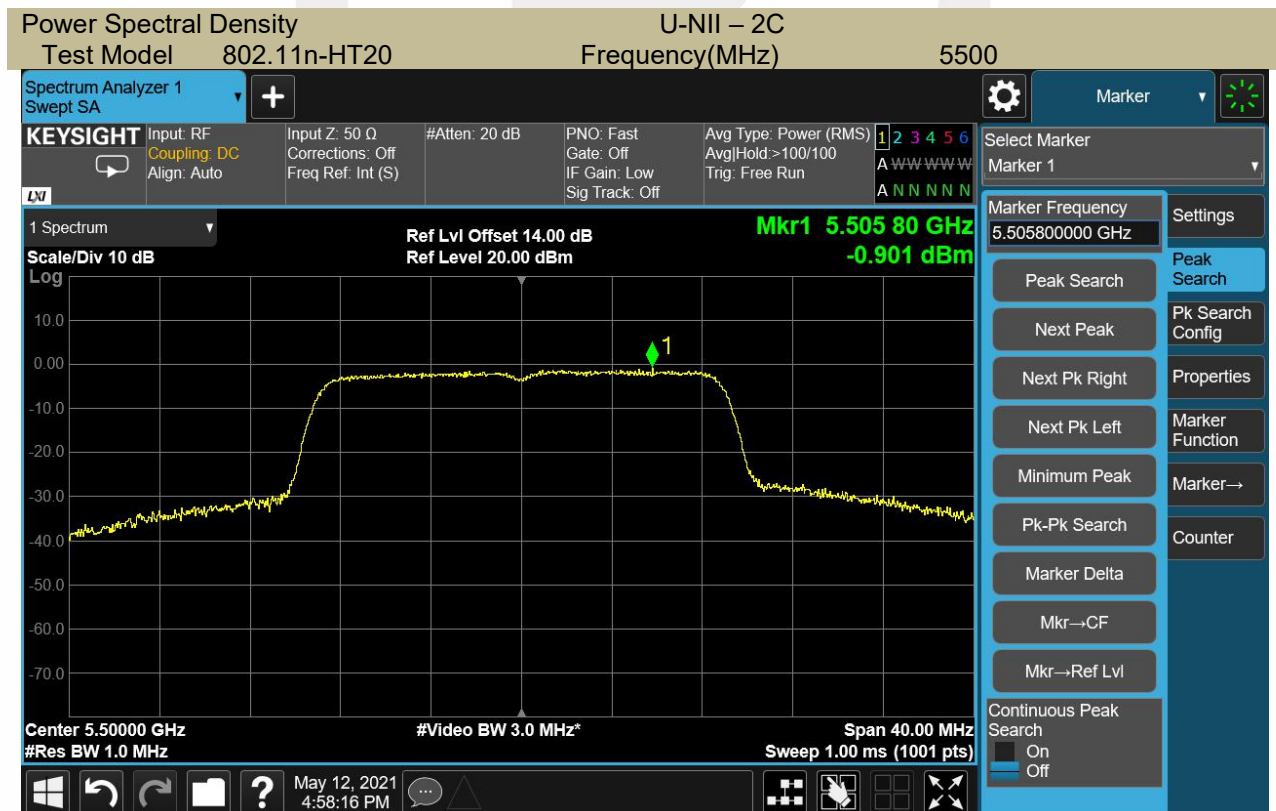
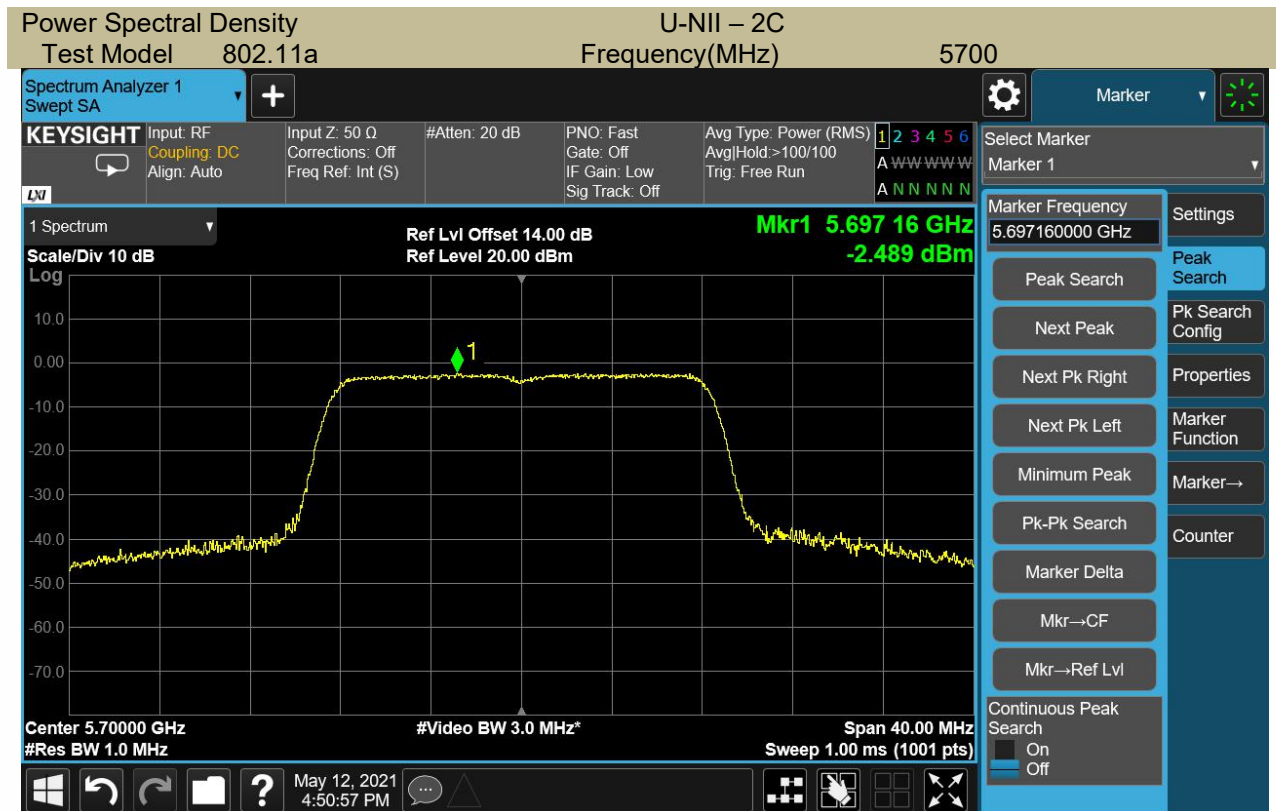


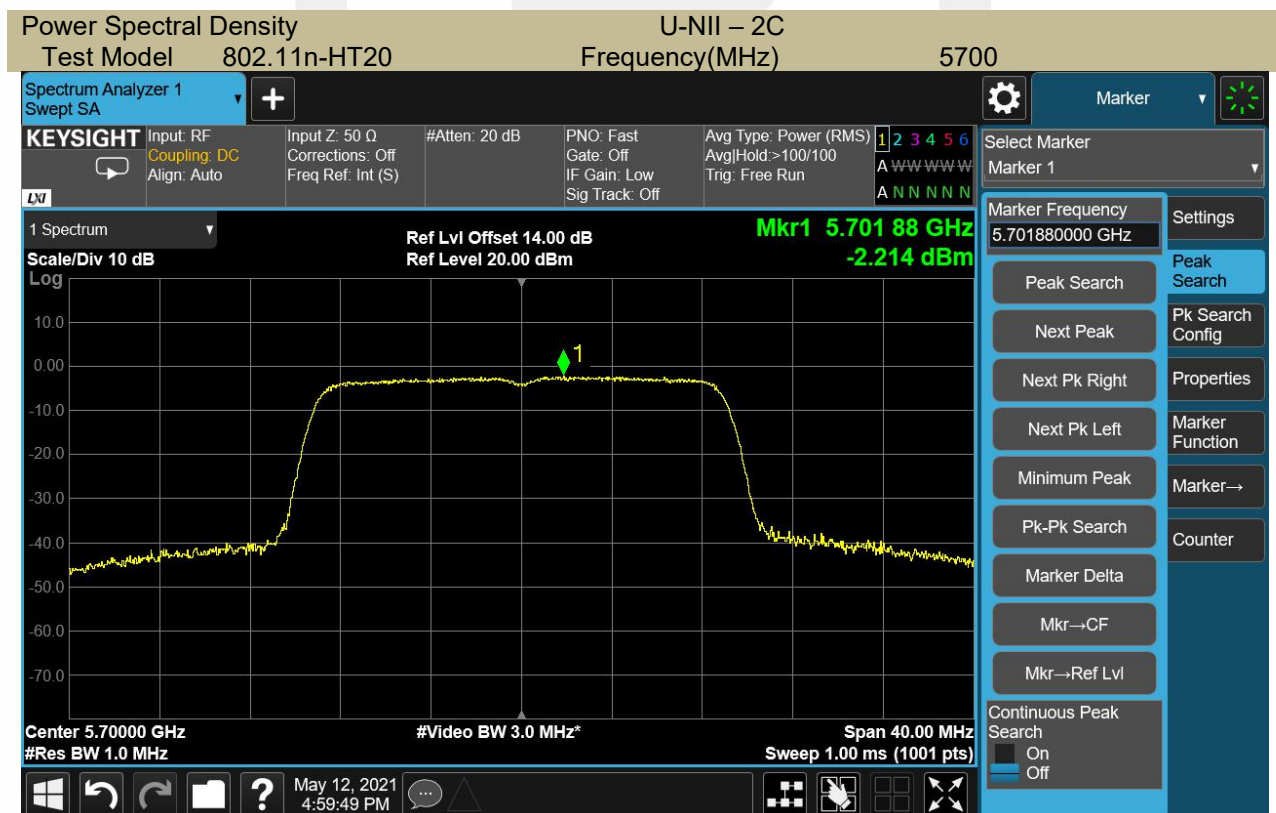


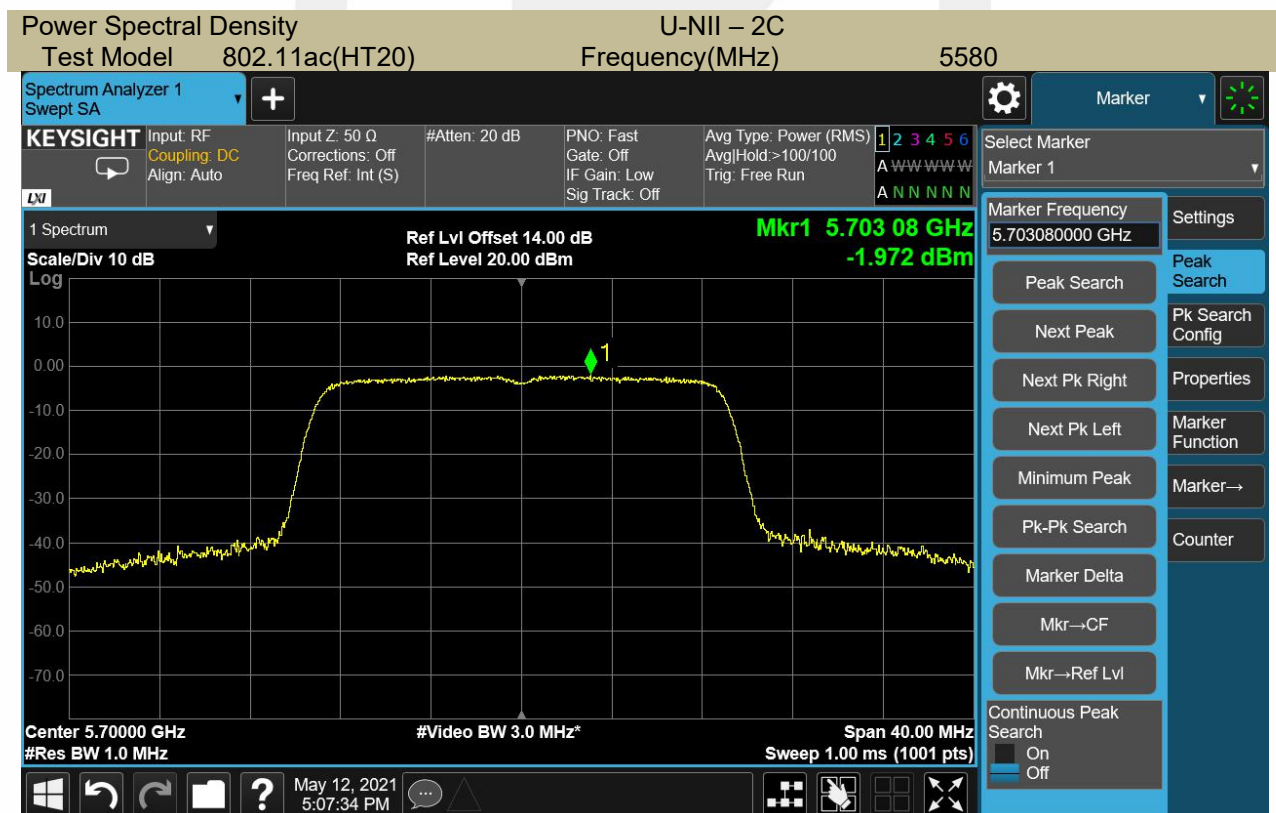
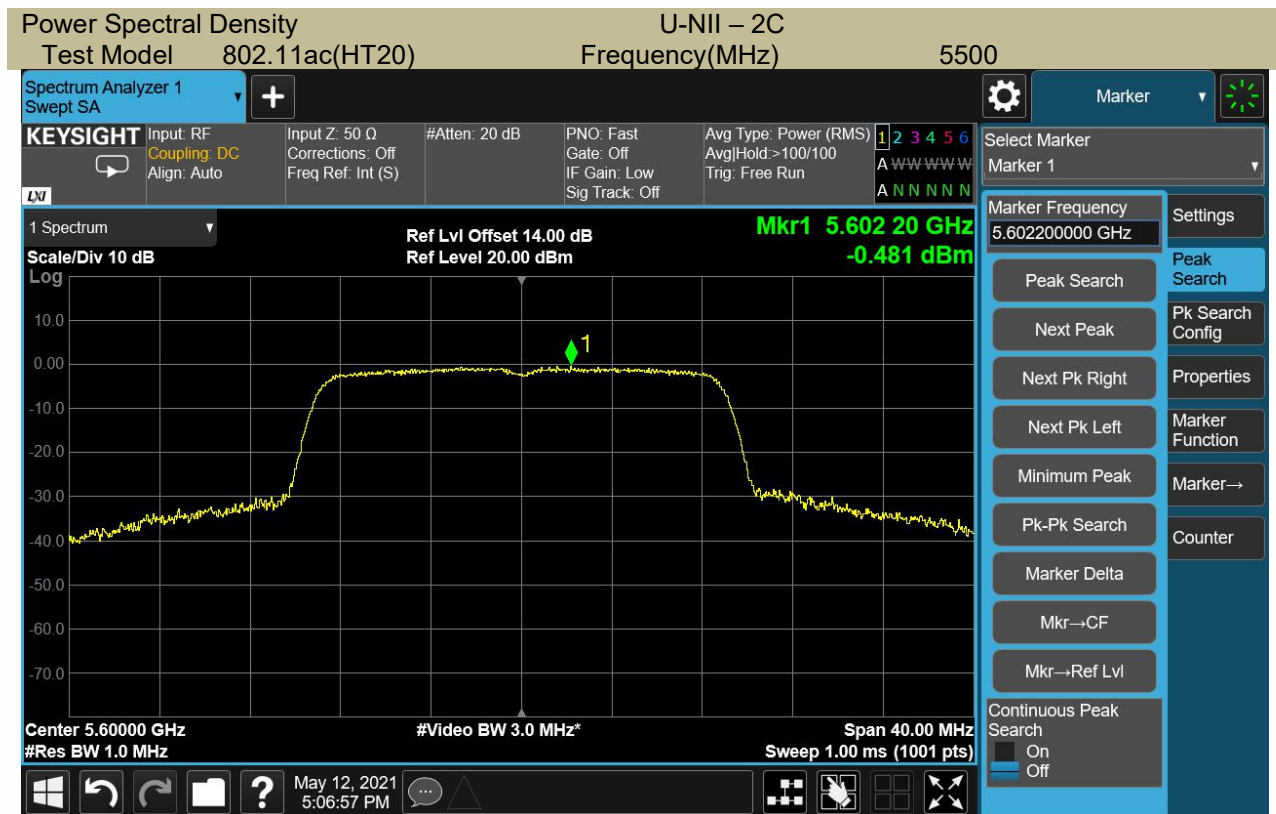
5470-5725MHz

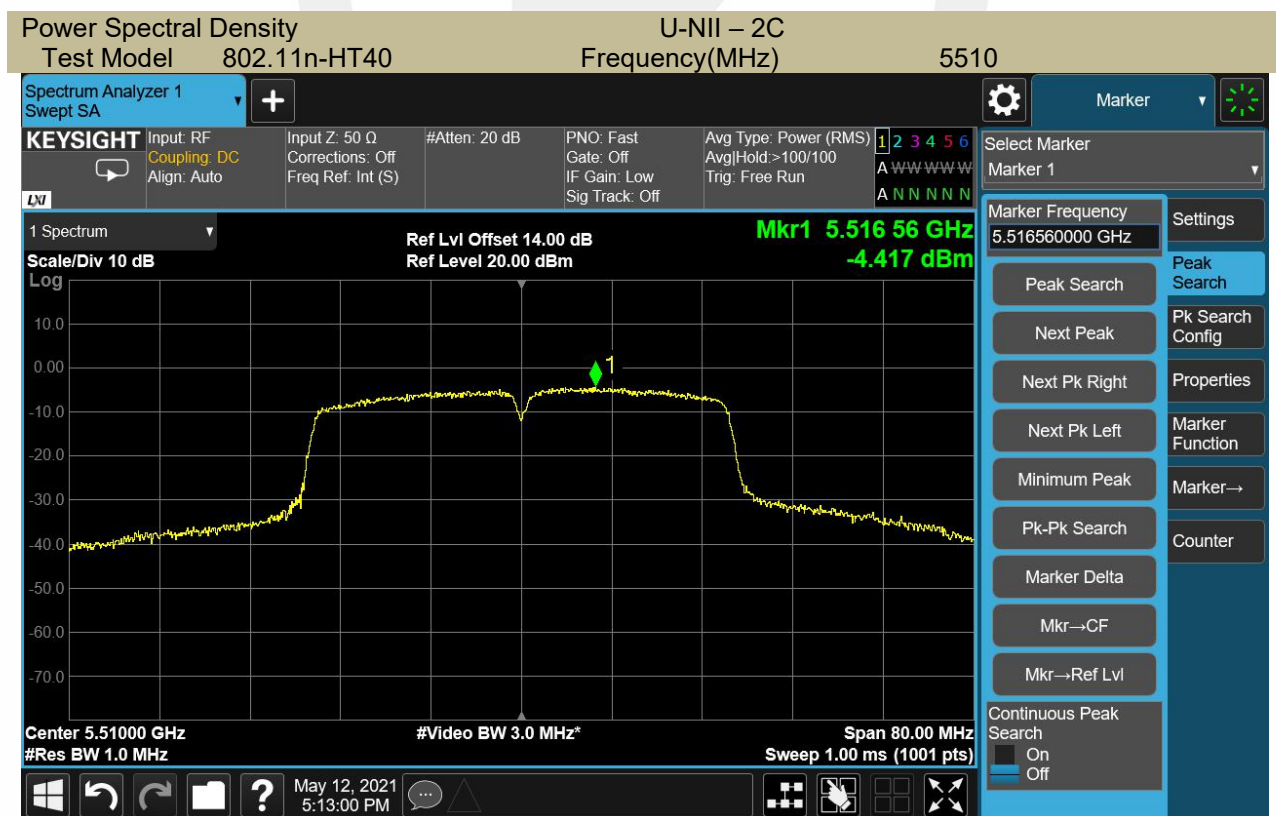
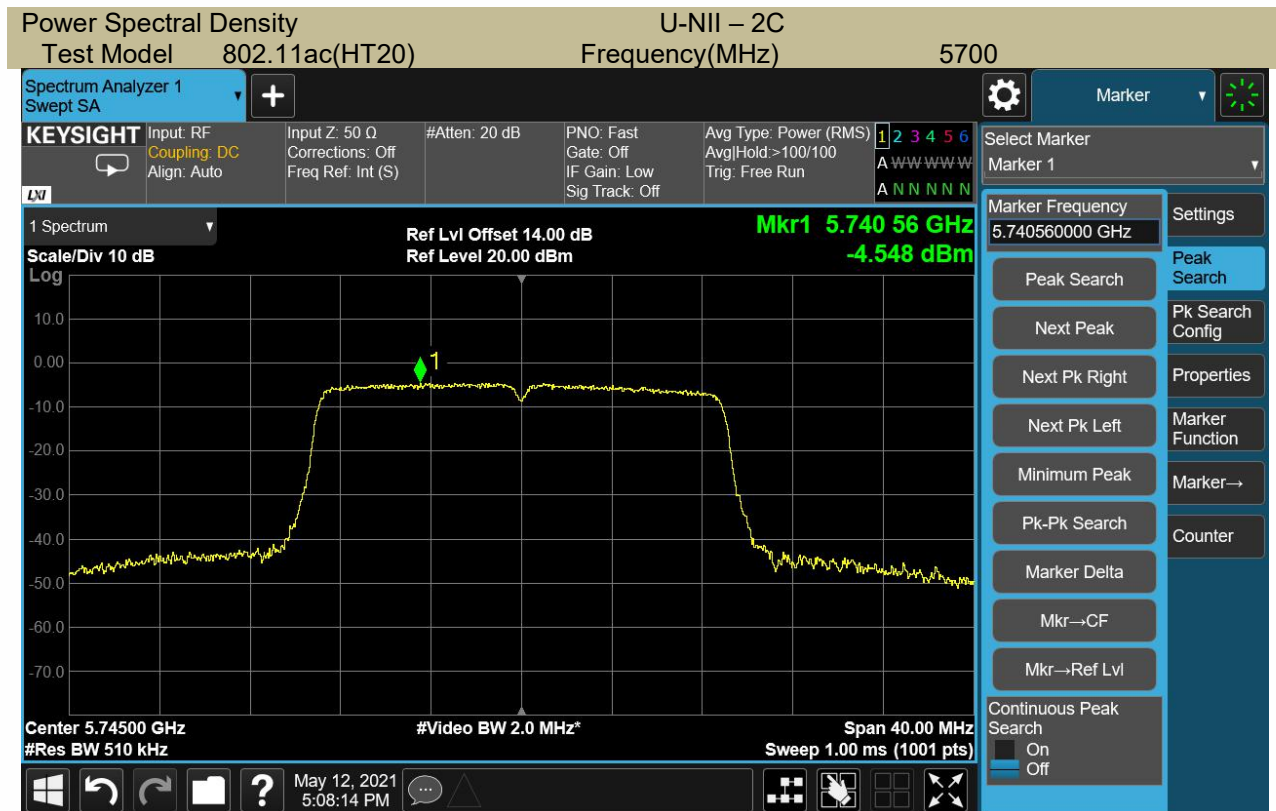
Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5500	-1.20	11
	5580	-0.56	11
	5700	-2.48	11
802.11n-HT20	5500	-0.90	11
	5580	-0.95	11
	5700	-2.21	11
802.11ac(HT20)	5500	-1.51	11
	5580	-0.48	11
	5700	-1.97	11
802.11n-HT40	5510	-4.41	11
	5670	-6.13	11
802.11ac(HT40)	5510	-4.87	11
	5670	-6.66	11
802.11ac(HT80)	5530	-7.96	11

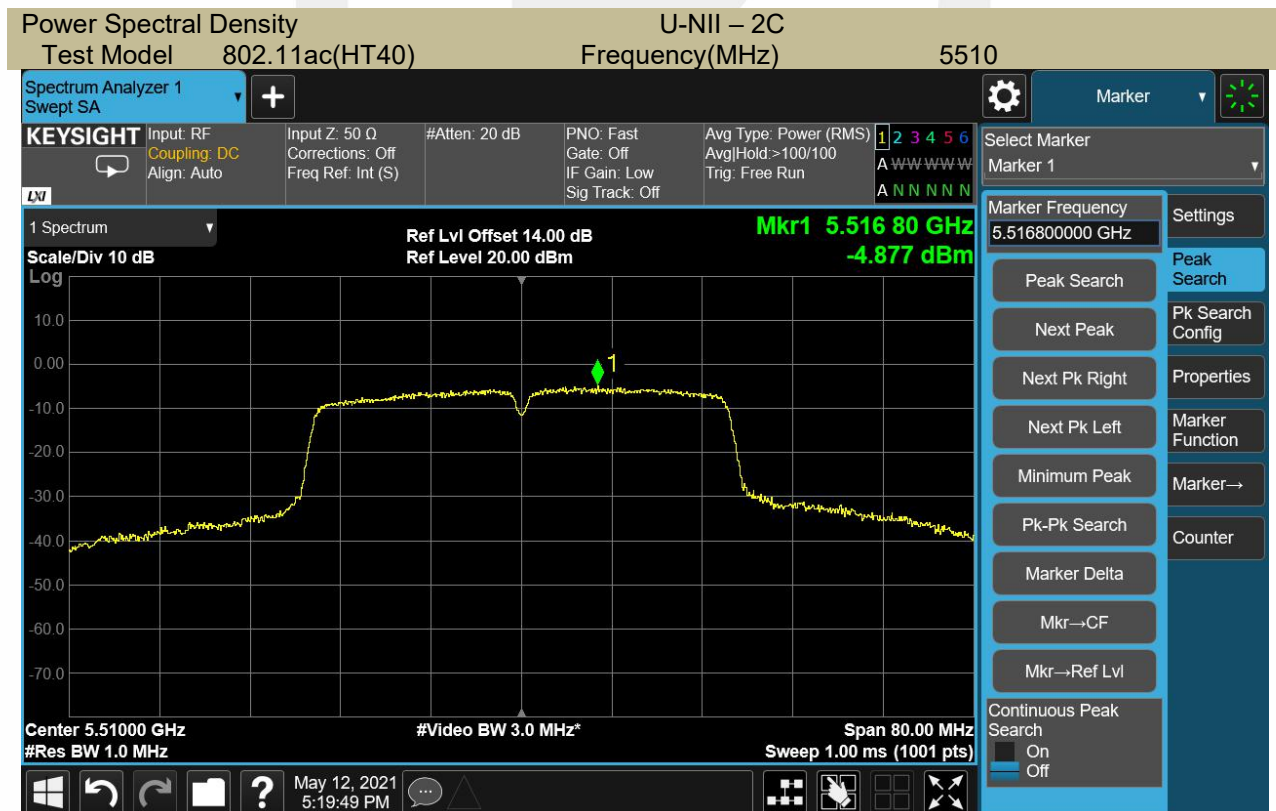
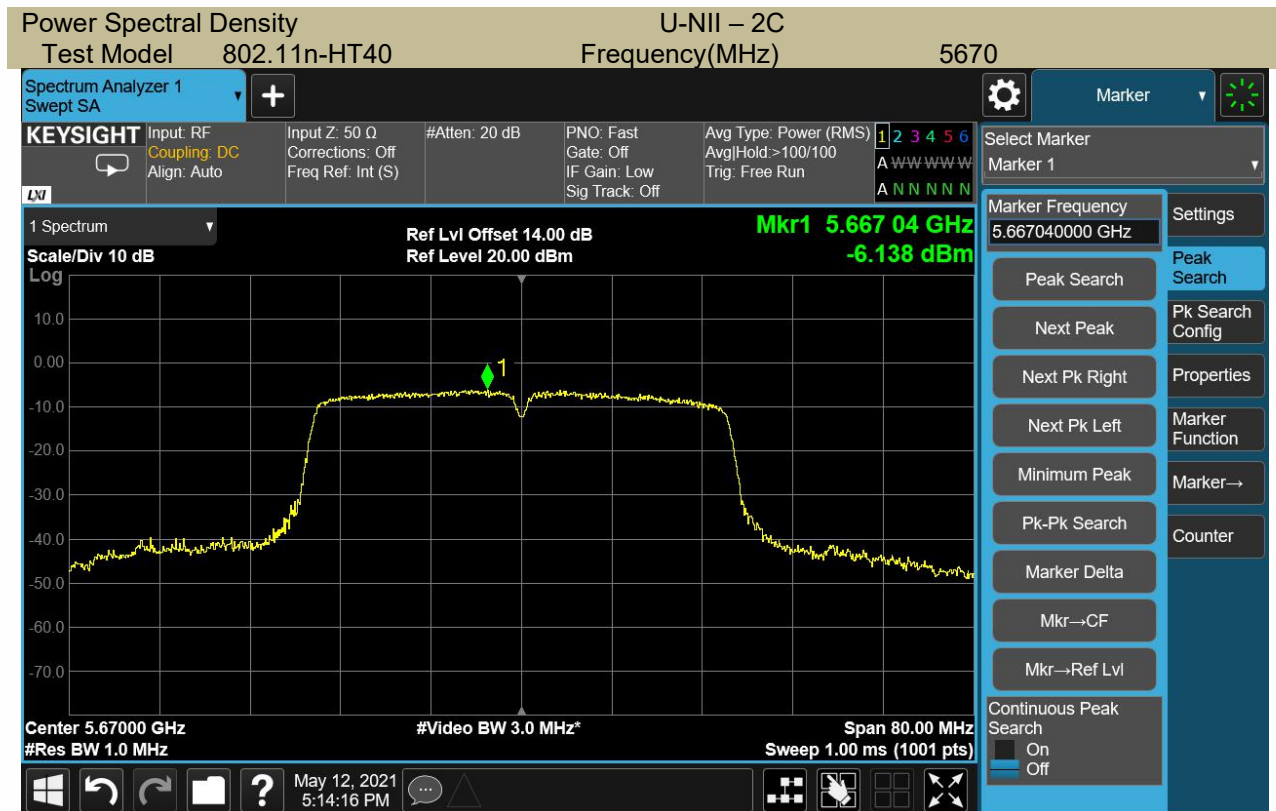


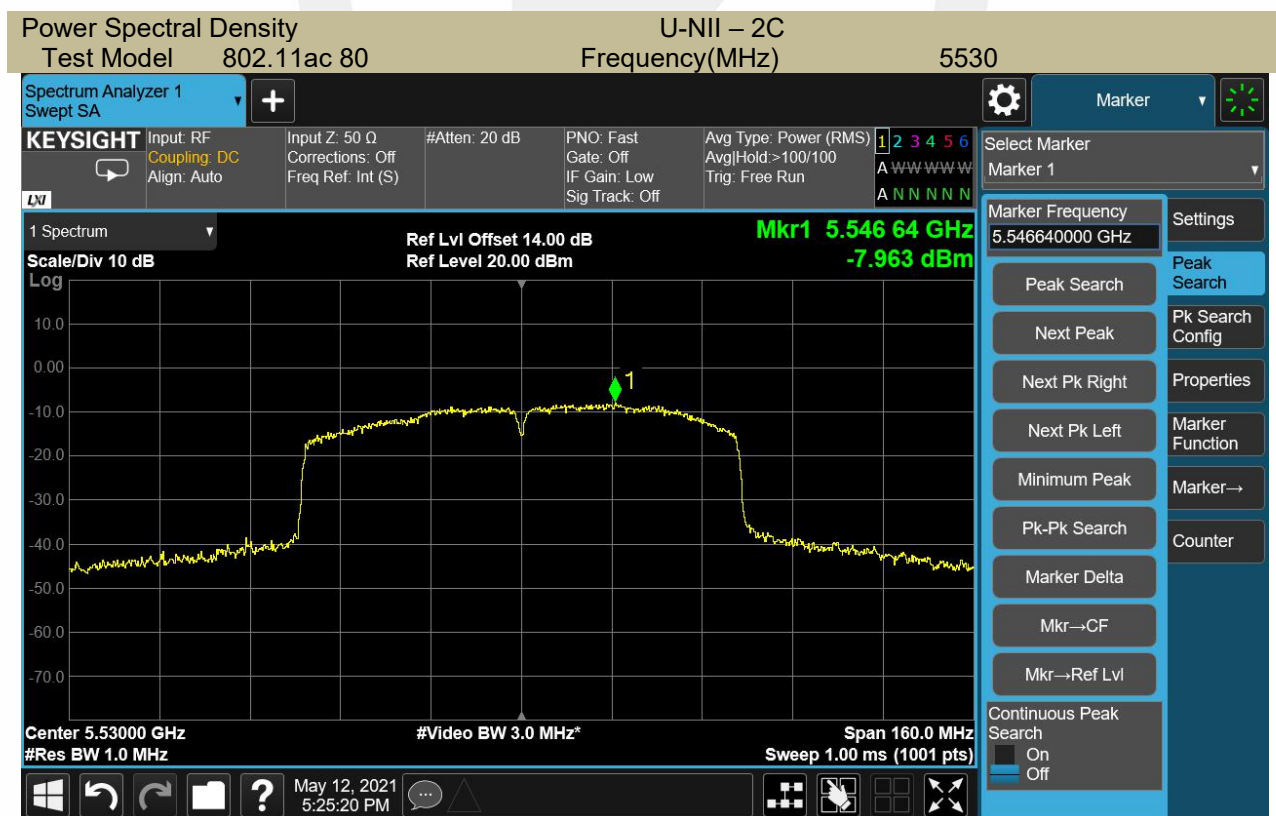
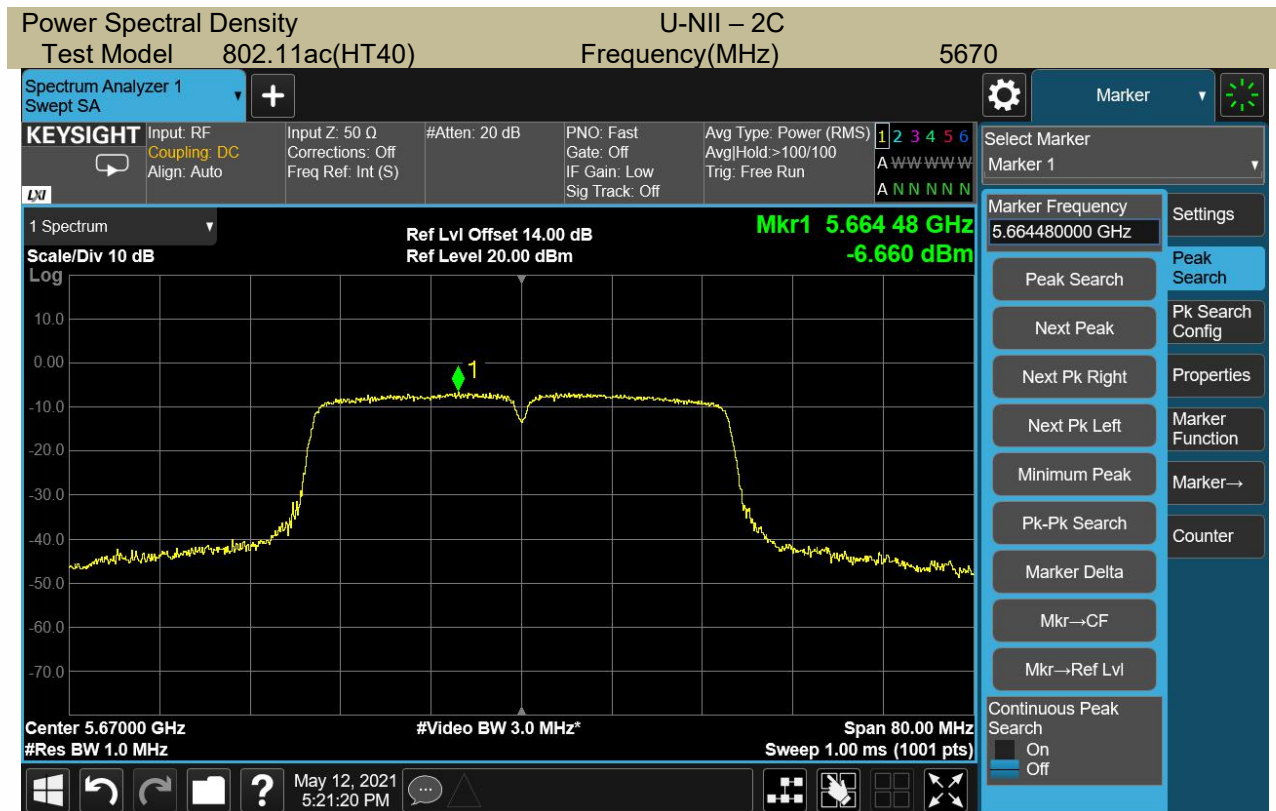






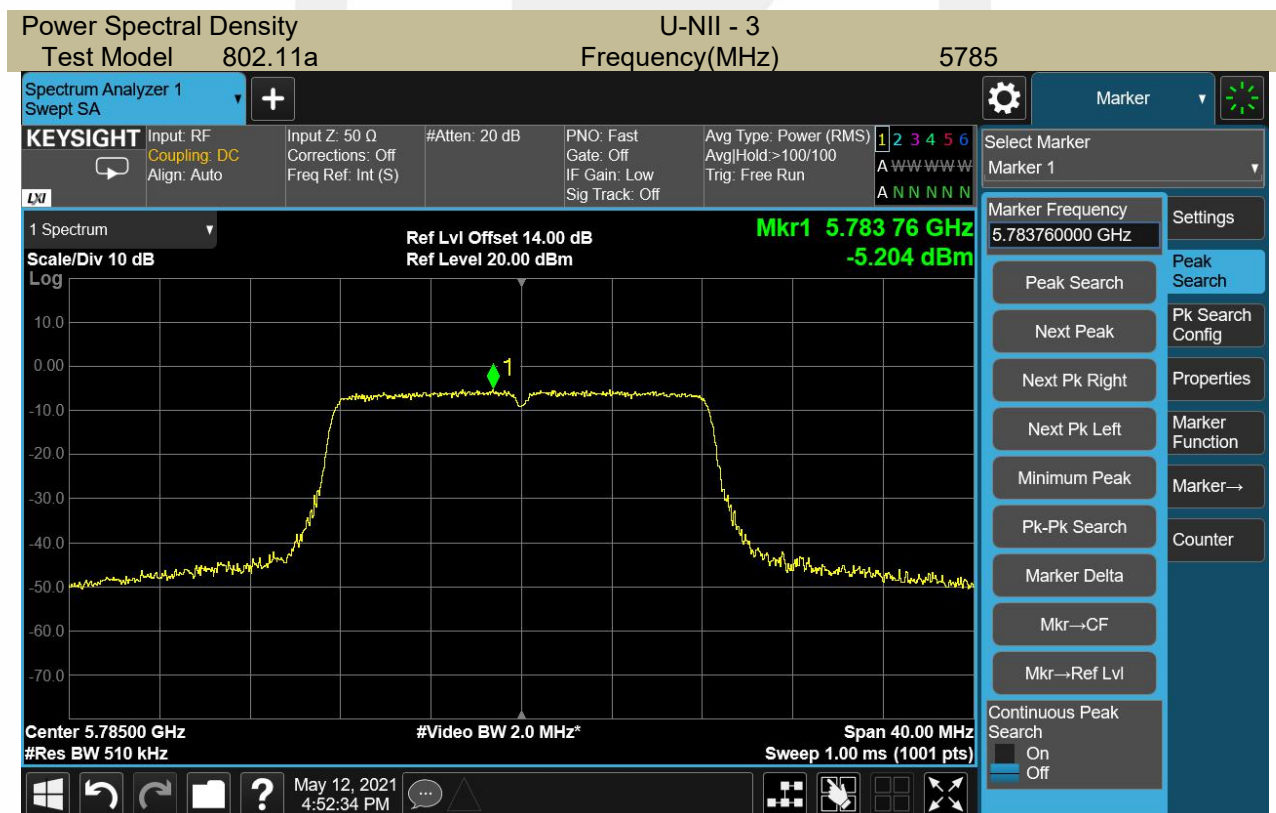
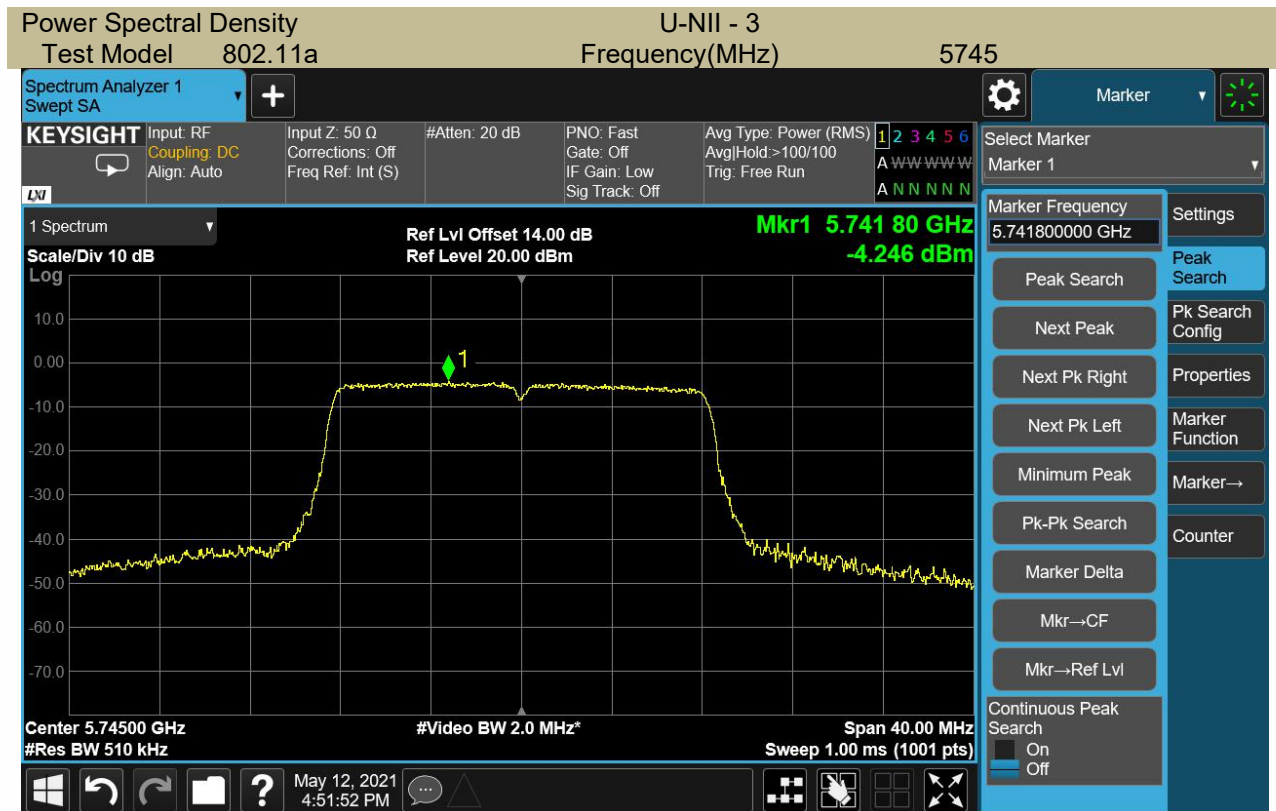


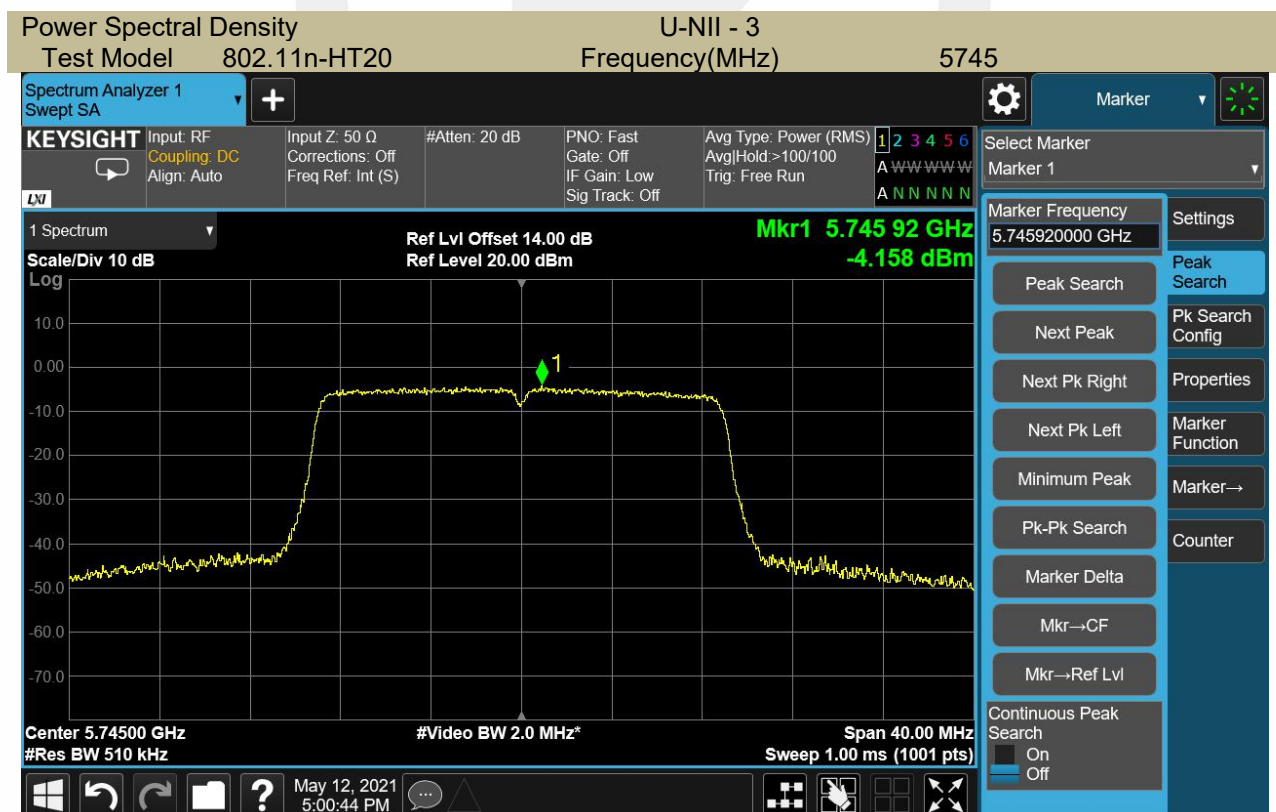
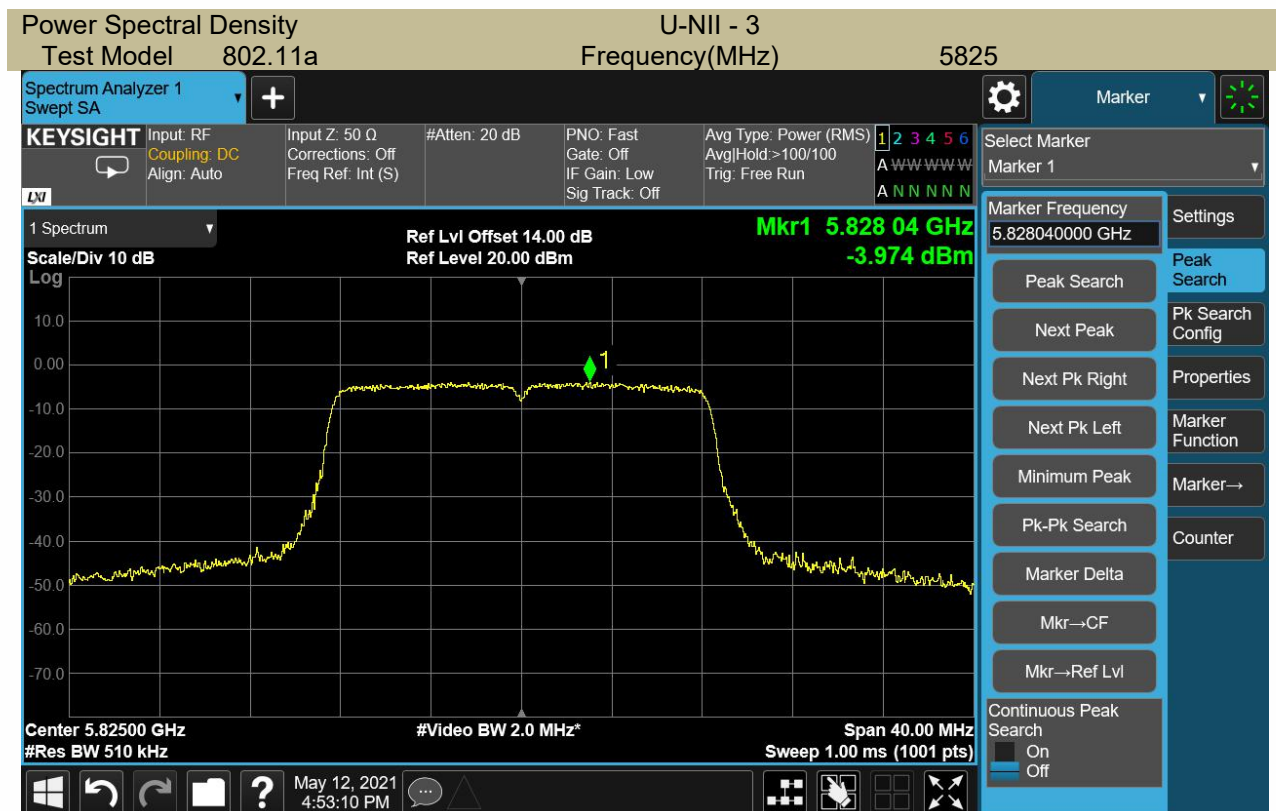


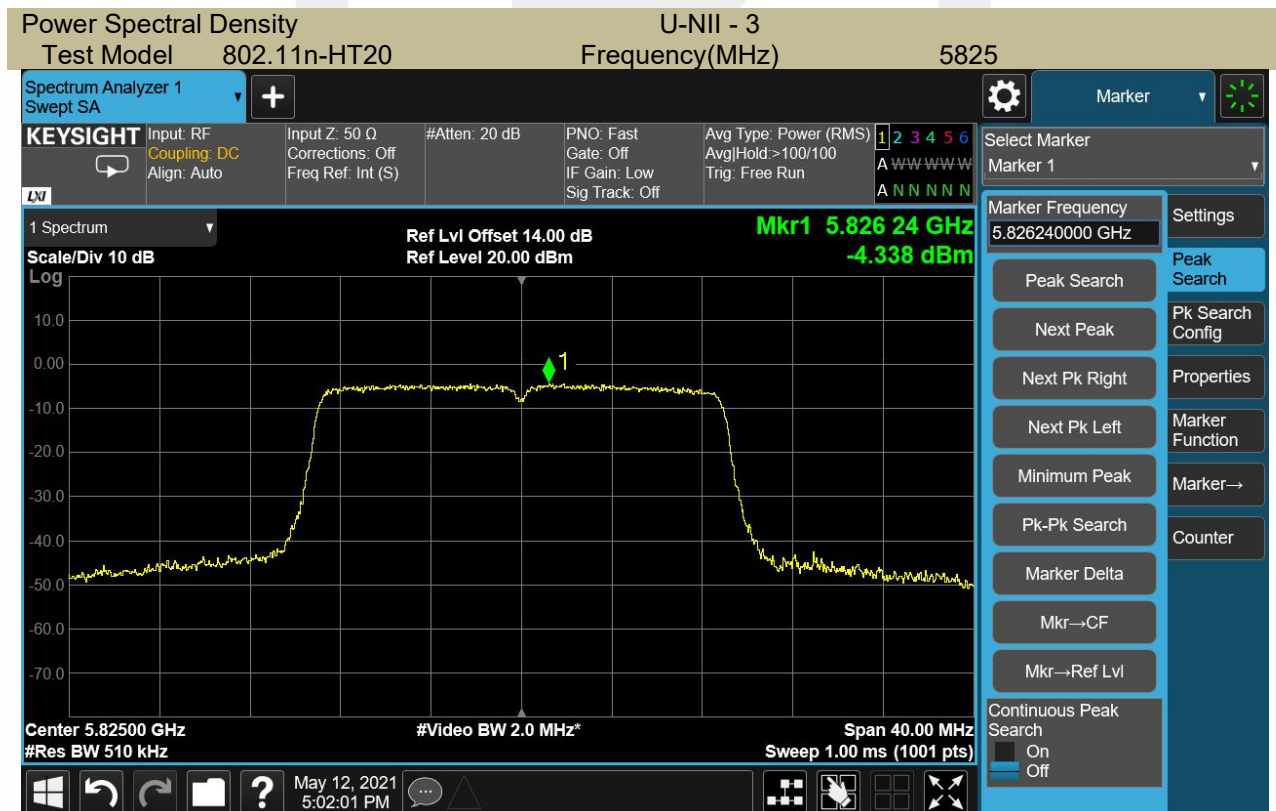
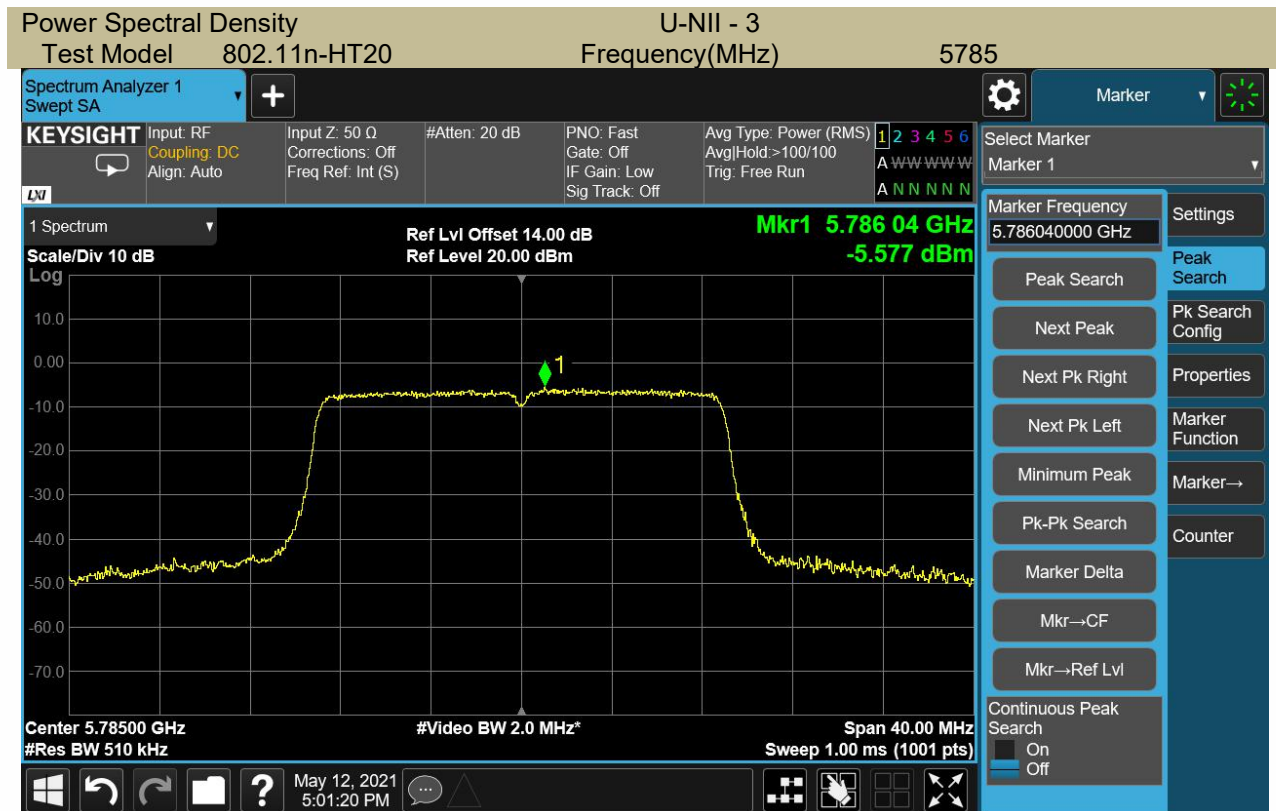


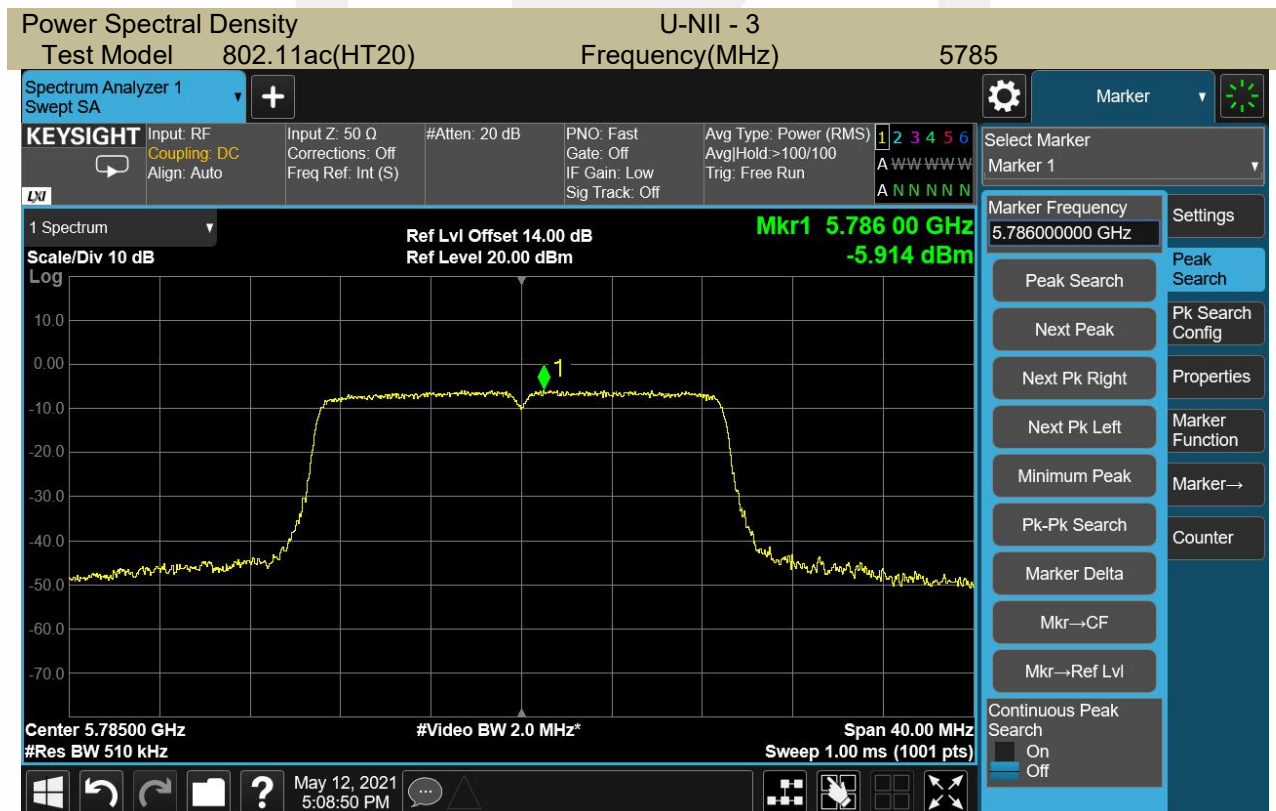
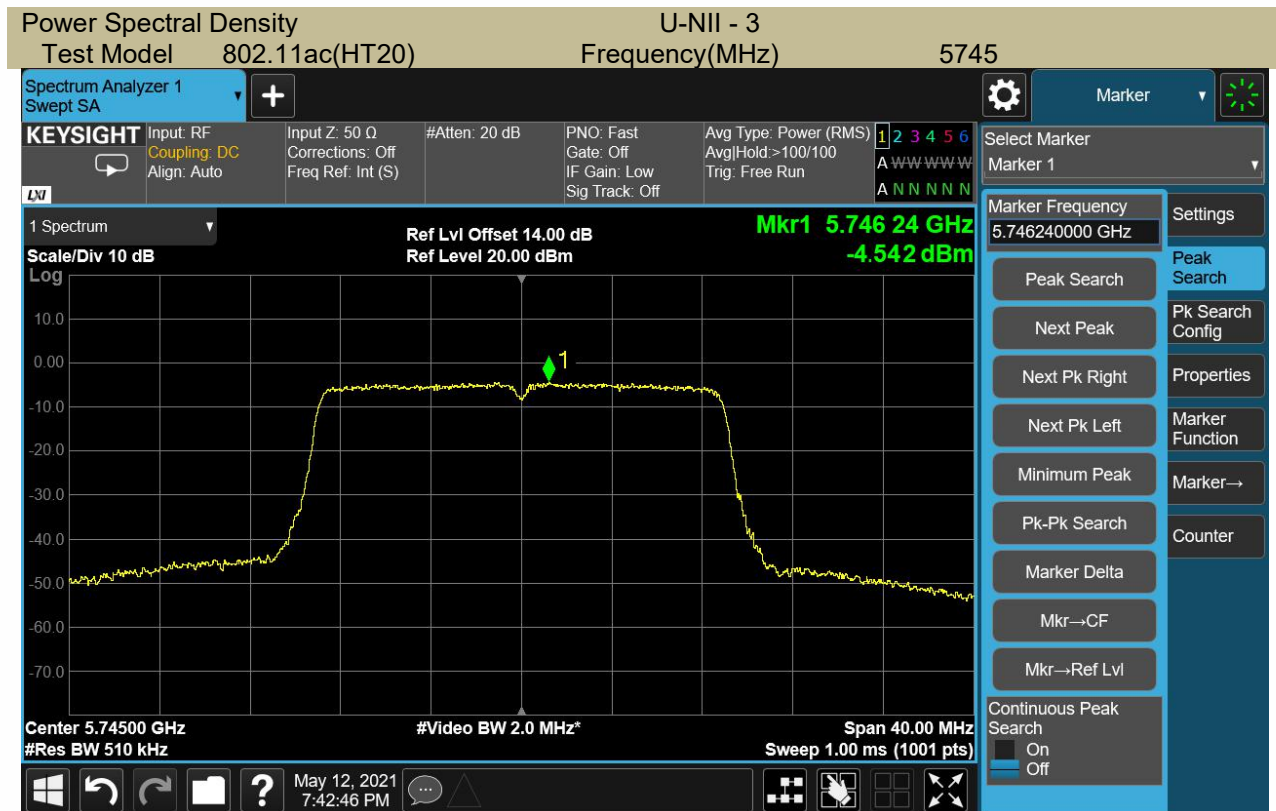
5725-5850MHz

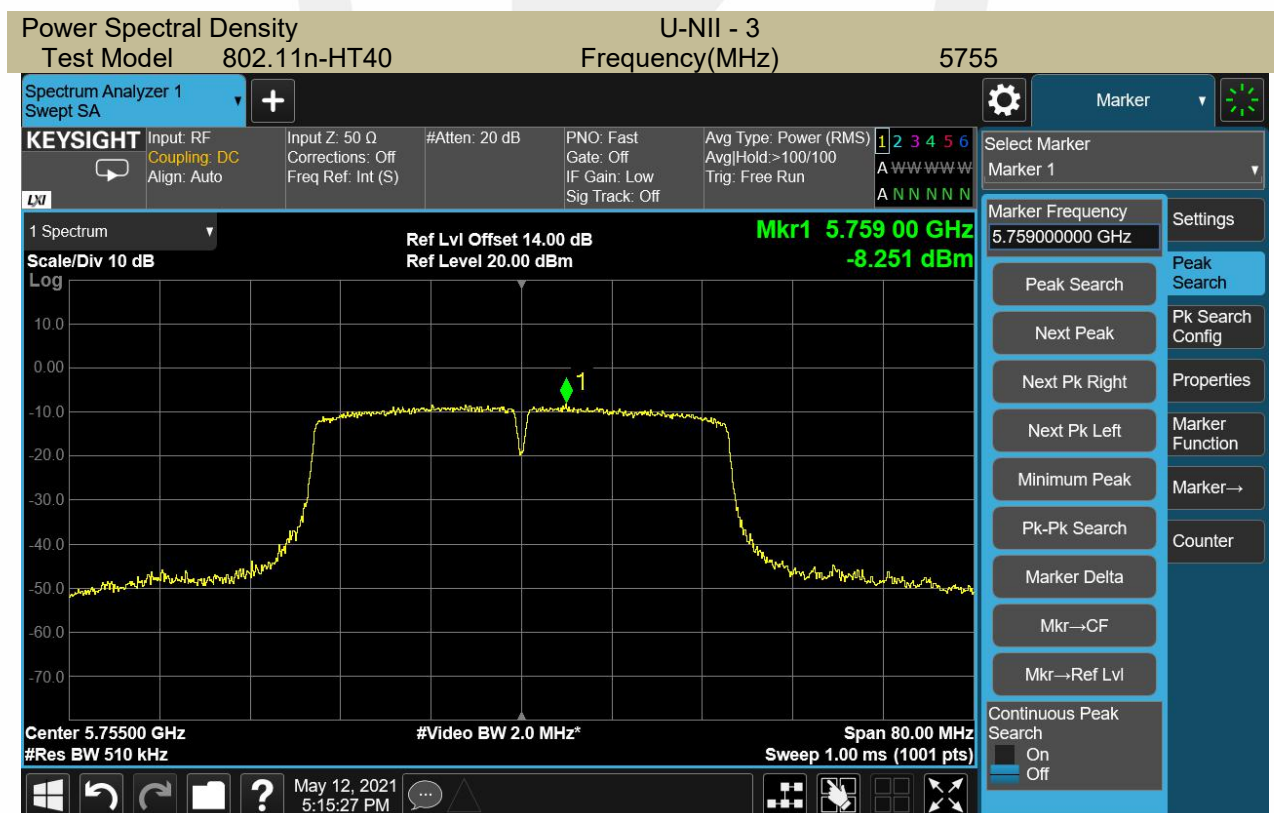
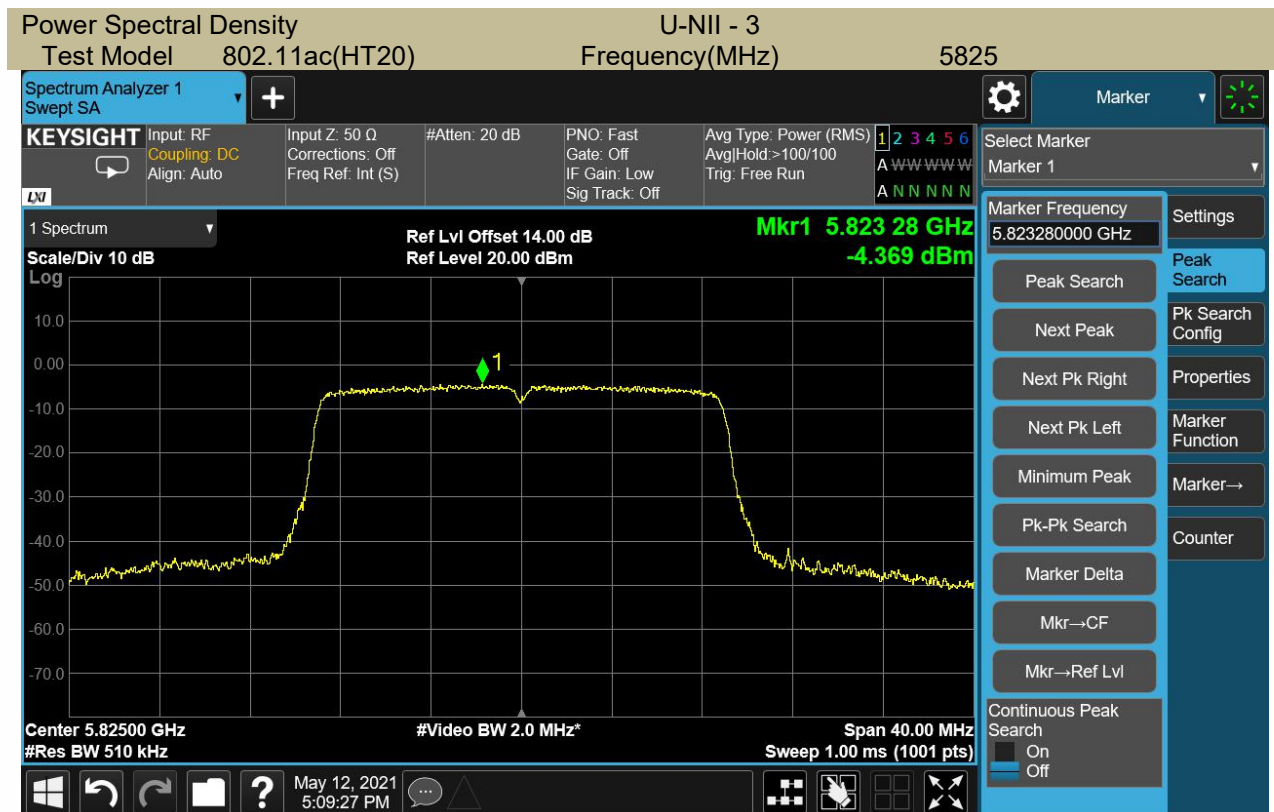
Operating mode	Test Channel	Power Spectral Density dBm/MHz	Limit (dBm/MHz)
802.11a	5745	-4.24	30
	5785	-5.20	30
	5825	-3.97	30
802.11n-HT20	5745	-4.15	30
	5785	-5.57	30
	5825	-4.33	30
802.11ac(VHT20)	5745	-4.54	30
	5785	-5.91	30
	5825	-4.36	30
802.11n-HT40	5755	-8.25	30
	5795	-8.92	30
802.11ac(VHT40)	5755	-8.88	30
	5795	-8.36	30
802.11ac(VHT80)	5775	-13.35	30

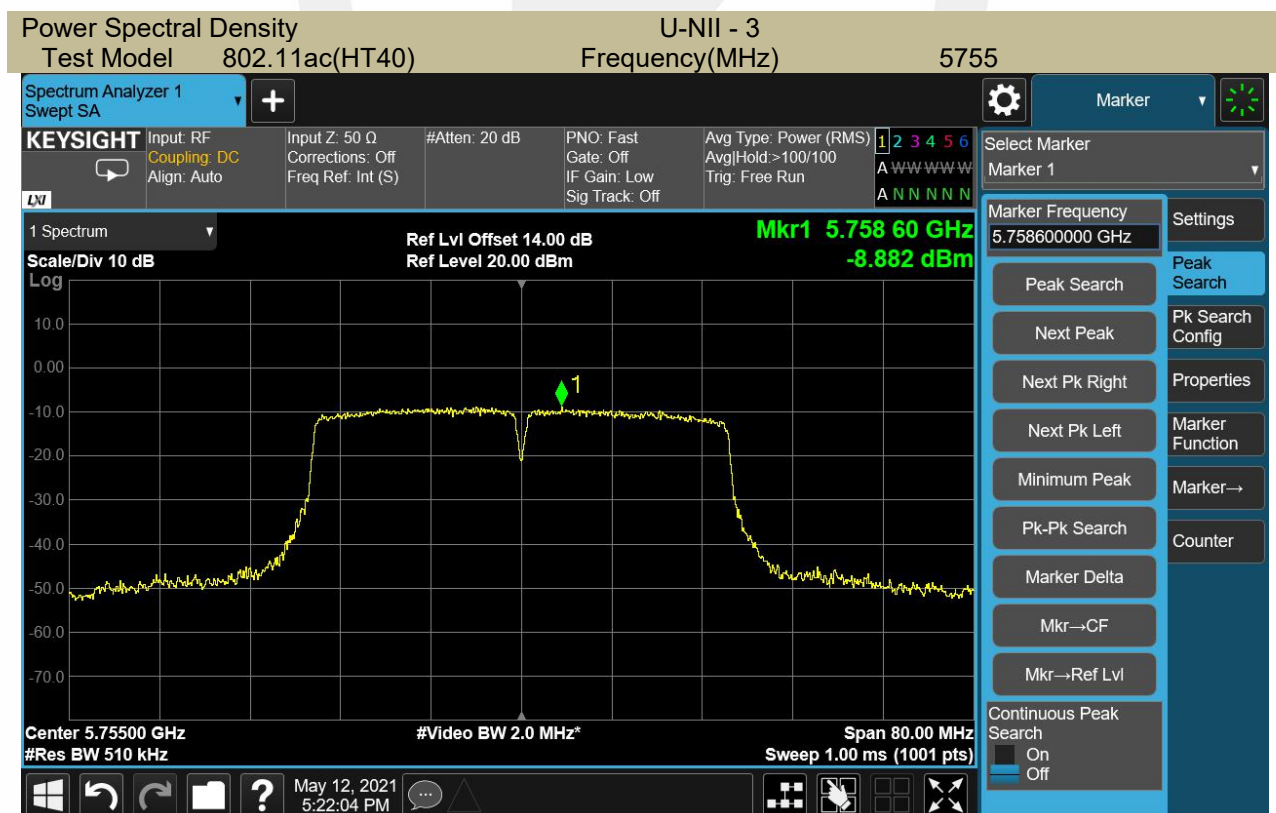
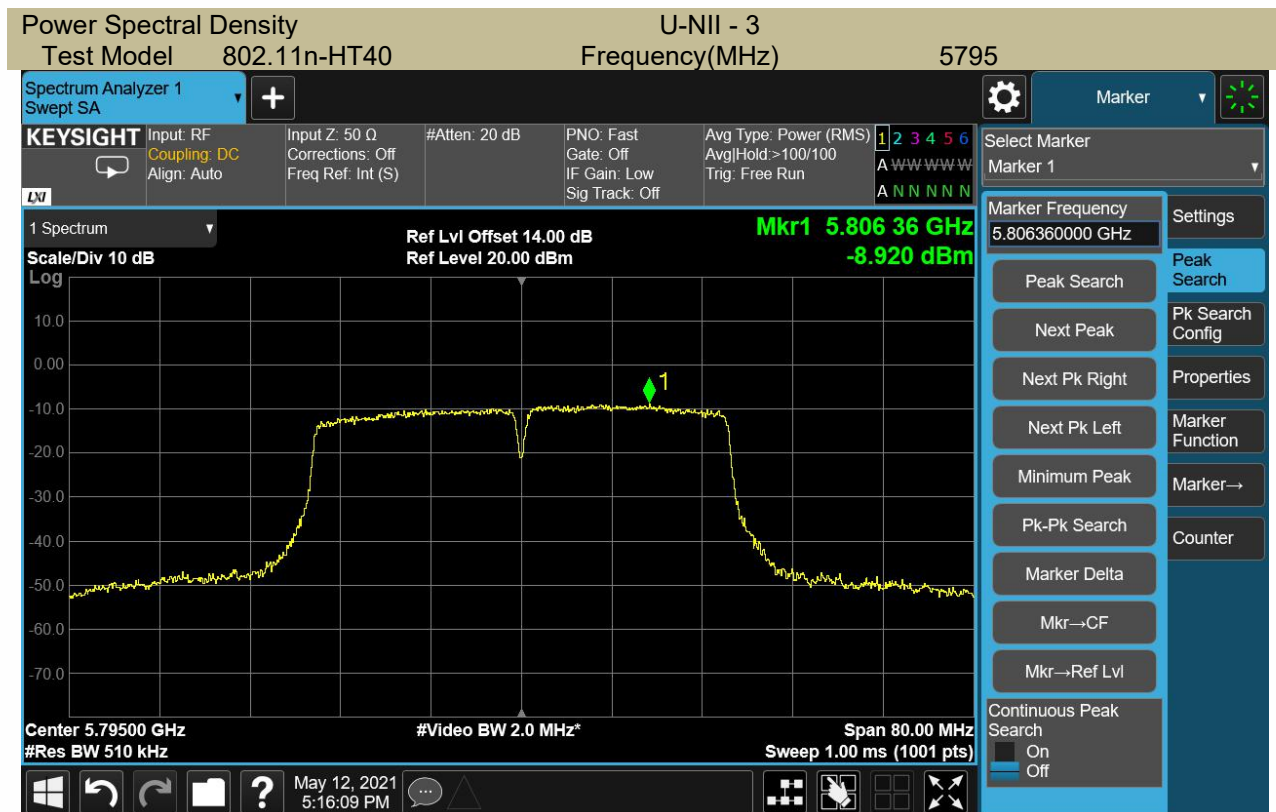


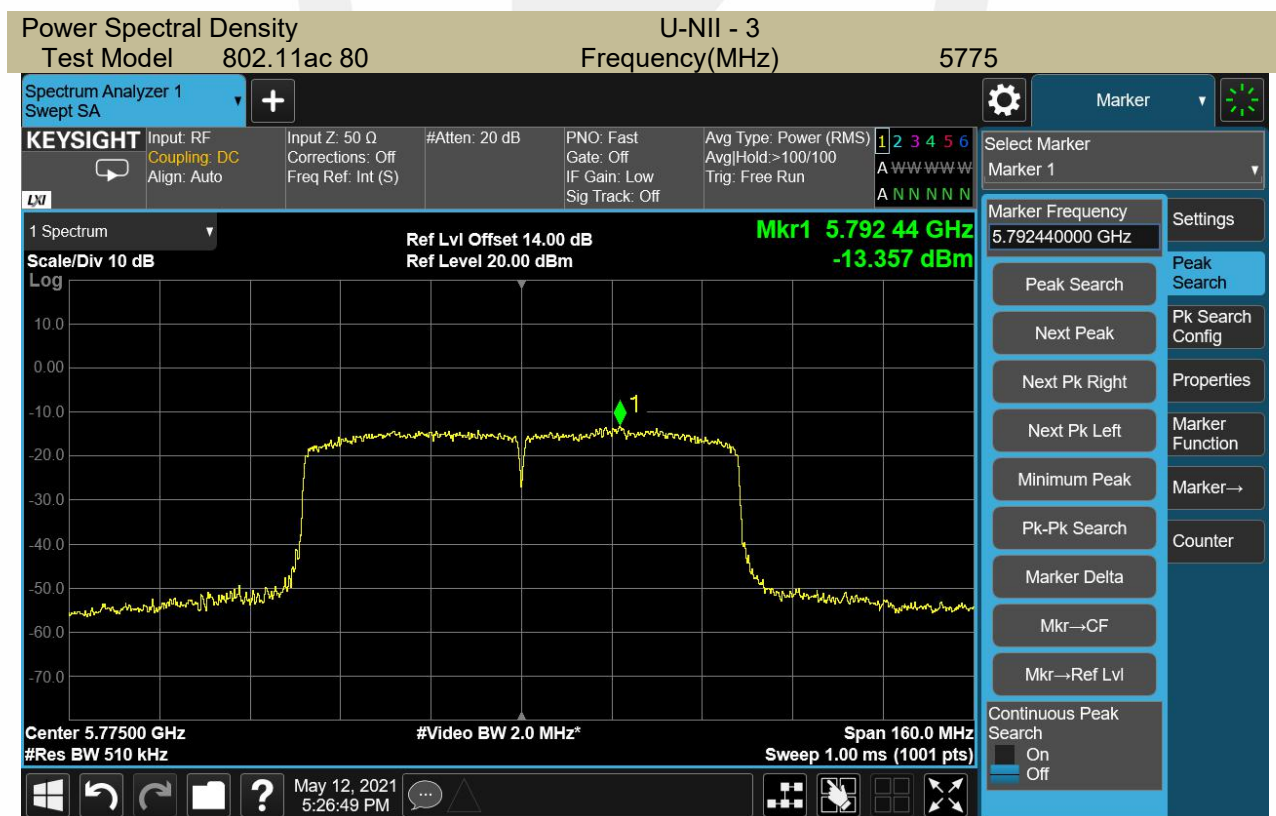
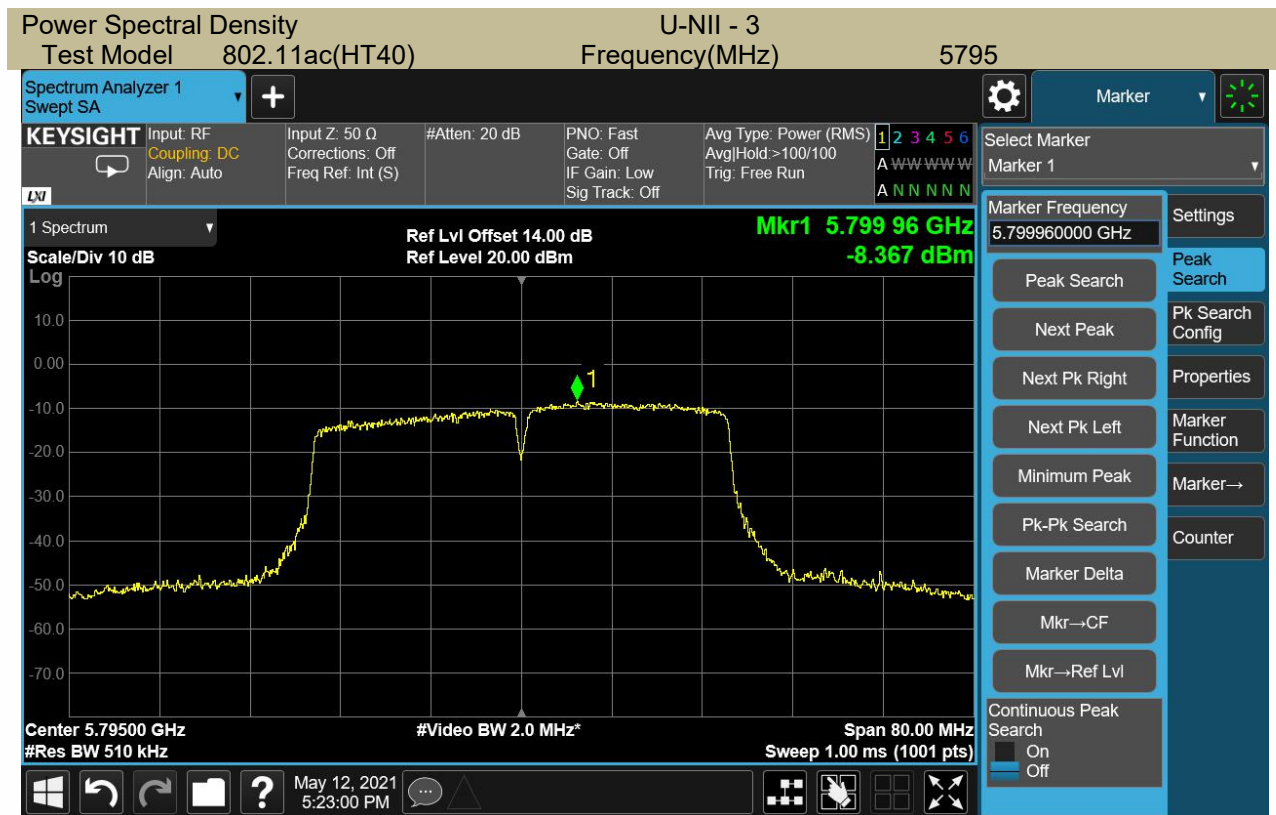












2T2R – Total

5150-5250MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz			Limit (dBm/MHz)
		Antenna 1	Antenna 2	Total	
802.11n-HT20	5180	1.15	1.03	4.10	10.60
	5200	2.49	0.84	4.75	10.60
	5240	3.41	1.55	5.59	10.60
802.11ac(VHT20)	5180	1.04	0.98	4.02	10.60
	5200	2.74	1.02	4.97	10.60
	5240	3.14	1.5	5.41	10.60
802.11n-HT40	5190	-2.12	-2.46	0.72	10.60
	5230	-0.51	-2.77	1.52	10.60
802.11ac(VHT40)	5190	-2.42	-2.89	0.36	10.60
	5230	-0.6	-2.87	1.42	10.60
802.11ac(VHT80)	5210	-5.78	-7.93	-3.71	10.60

5250-5350MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz			Limit (dBm/MHz)
		Antenna 1	Antenna 2	Total	
802.11n-HT20	5260	2.89	1.77	5.38	10.60
	5280	3.07	0.74	5.07	10.60
	5320	3.73	1.32	5.70	10.60
802.11ac(VHT20)	5260	2.84	1.83	5.37	10.60
	5280	3.39	2.87	6.15	10.60
	5320	4.49	1.03	6.11	10.60
802.11n-HT40	5270	-1.11	-2.82	1.13	10.60
	5310	-1.11	-3.14	1.00	10.60
802.11ac(VHT40)	5270	-0.64	-3.07	1.32	10.60
	5310	-0.12	-3.03	1.67	10.60
802.11ac(VHT80)	5290	-5.26	-8.07	-3.43	10.60

5470-5725MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz			Limit (dBm/MHz)
		Antenna 1	Antenna 2	Total	
802.11n-HT20	5500	-0.33	-0.9	2.40	10.60
	5580	-0.22	-0.95	2.44	10.60
	5700	-0.99	-2.21	1.45	10.60
802.11ac(VHT20)	5500	-0.07	-1.51	2.28	10.60
	5580	0.03	-0.48	2.79	10.60
	5700	-1.67	-1.97	1.19	10.60
802.11n-HT40	5510	-4.13	-4.41	-1.26	10.60
	5670	-4.12	-6.13	-2.00	10.60
802.11ac(VHT40)	5510	-4	-4.87	-1.40	10.60
	5670	-3.88	-6.66	-2.04	10.60
802.11ac(VHT80)	5530	-9.09	-7.96	-5.48	10.60

5725-5850MHz

Operating mode	Test Channel	Power Spectral Density dBm/MHz			Limit (dBm/MHz)
		Antenna 1	Antenna 2	Total	
802.11n-HT20	5745	-4.24	-4.15	-1.18	29.60
	5785	-5.73	-5.57	-2.64	29.60
	5825	-5.61	-4.33	-1.91	29.60
802.11ac(VHT20)	5745	-4.34	-4.54	-1.43	29.60
	5785	-5.6	-5.91	-2.74	29.60
	5825	-5.53	-4.36	-1.90	29.60
802.11n-HT40	5755	-8.02	-8.25	-5.12	29.60
	5795	-9.46	-8.92	-6.17	29.60
802.11ac(VHT40)	5755	-7.99	-8.88	-5.40	29.60
	5795	-9.79	-8.36	-6.01	29.60
802.11ac(VHT80)	5775	-13.4	-13.35	-10.36	29.60

8.4 FREQUENCY STABILITY

8.4.1 Applicable Standard

According to FCC Part 15.407(g)
ANSI C63.10 Section 6.8

8.4.2 Conformance Limit

Manufacturers of U-NII devices are responsible for ensuring frequency stability such that an emission is maintained within the band of operation under all conditions of normal operation as specified in the users manual.

8.4.3 Test Configuration

Test according to clause 6.1 radio frequency test setup

8.4.4 Test Procedure

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator. The path loss was compensated to the results for each measurement.

Set to the maximum power setting and enable the EUT transmit continuously

Set RBW = 10 kHz.

Set Span= Entire absence of modulation emissions band

Set the video bandwidth (VBW) =30 kHz. width

Set Detector = Peak.

Set Trace mode = max hold.

Set Sweep = auto couple.

Allow the trace to stabilize.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

Beginning at each temperature level specified in user manual , the frequency shall be measured within one minute after application of primary power to the transmitter and at intervals of no more than one minute thereafter until ten minutes have elapsed or until sufficient measurements are obtained to indicate clearly that the frequency has stabilized within the applicable tolerance, whichever time period is greater. During each test, the ambient temperature shall not be allowed to rise more than 10° centigrade above the respective beginning ambient temperature level

Measure and record the results in the test report.

8.4.5 Test Results