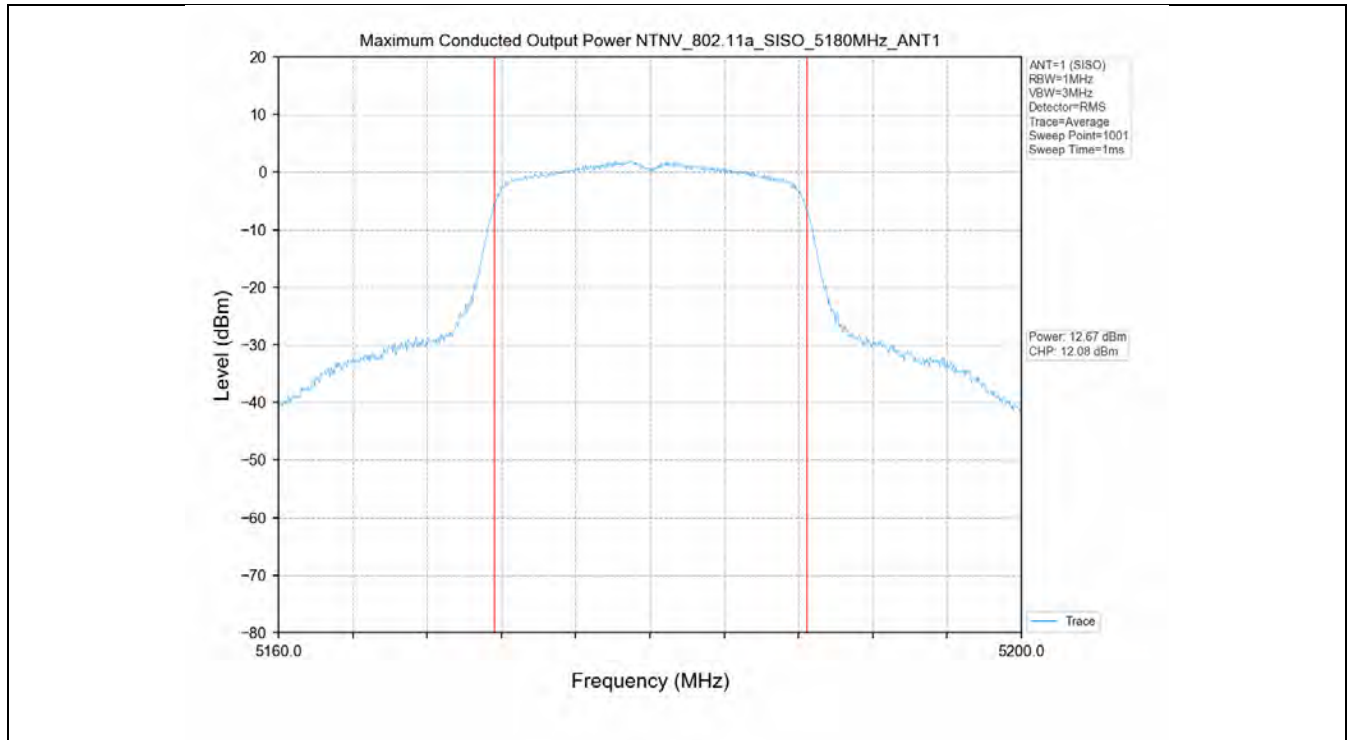


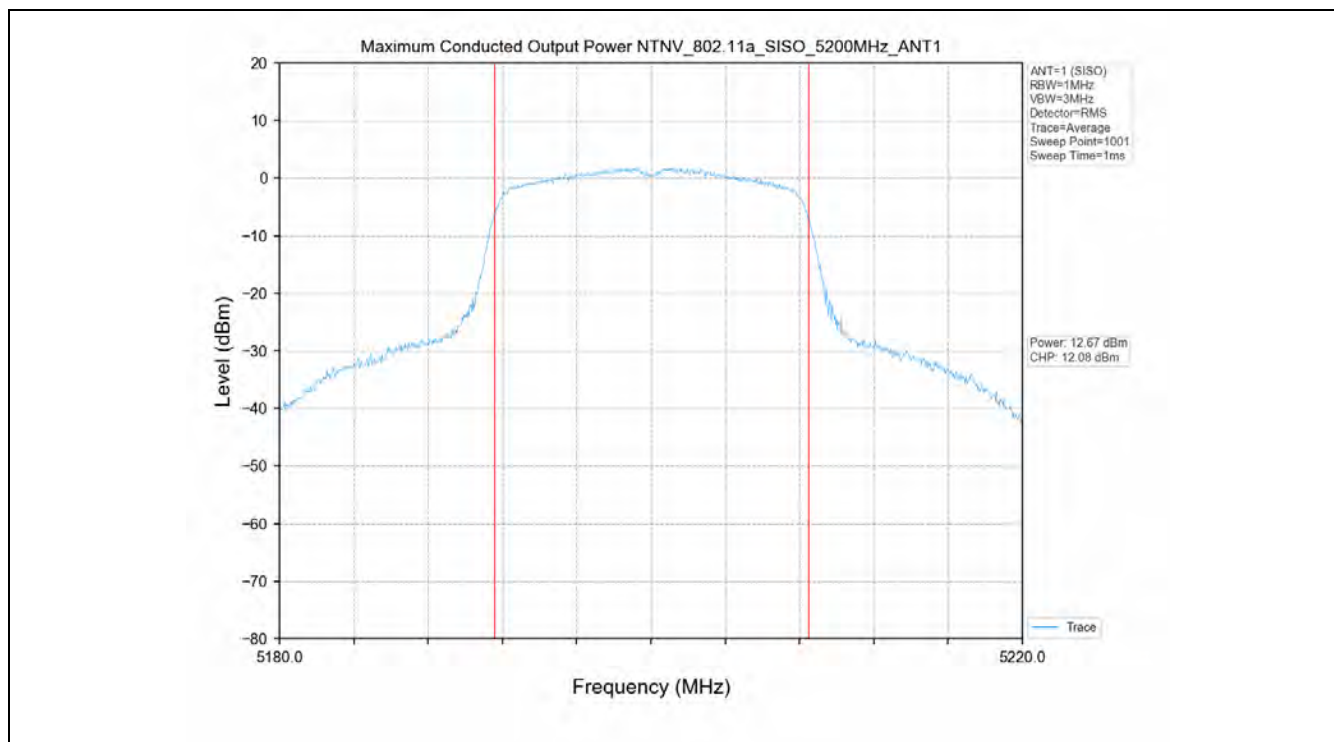
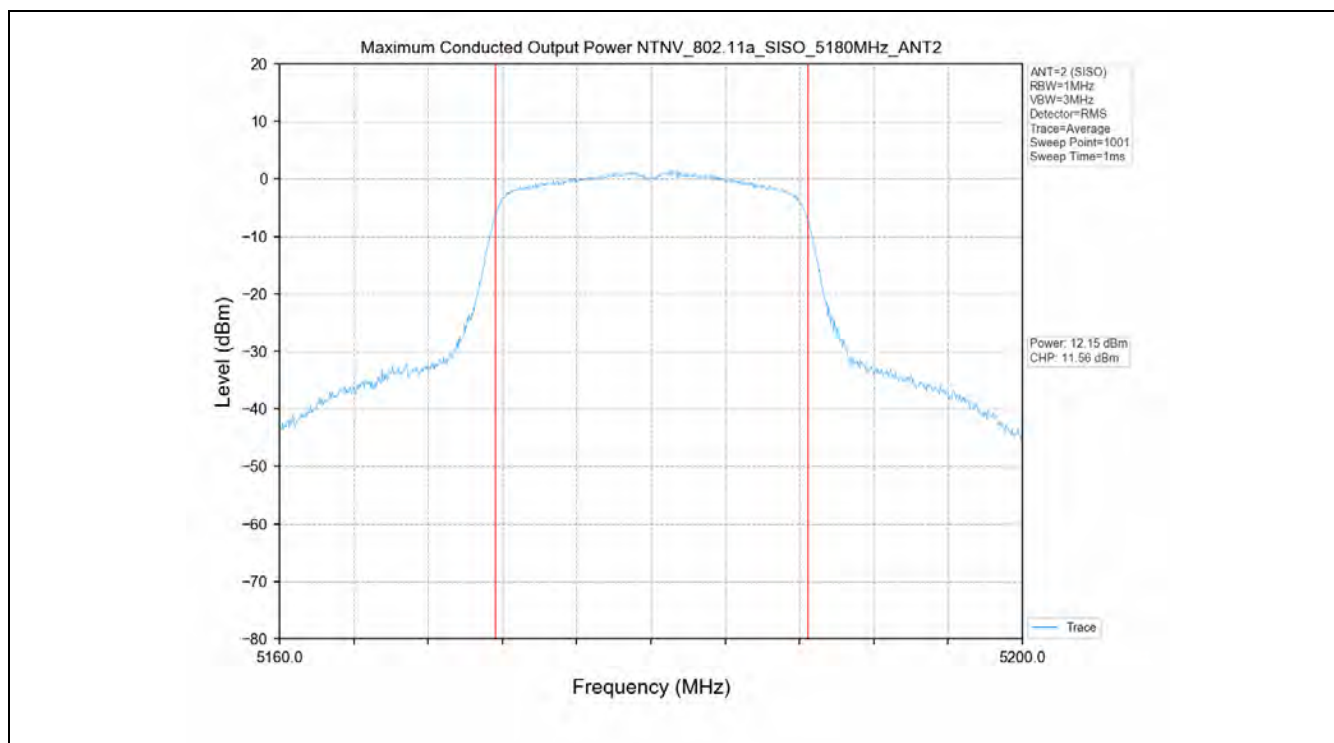


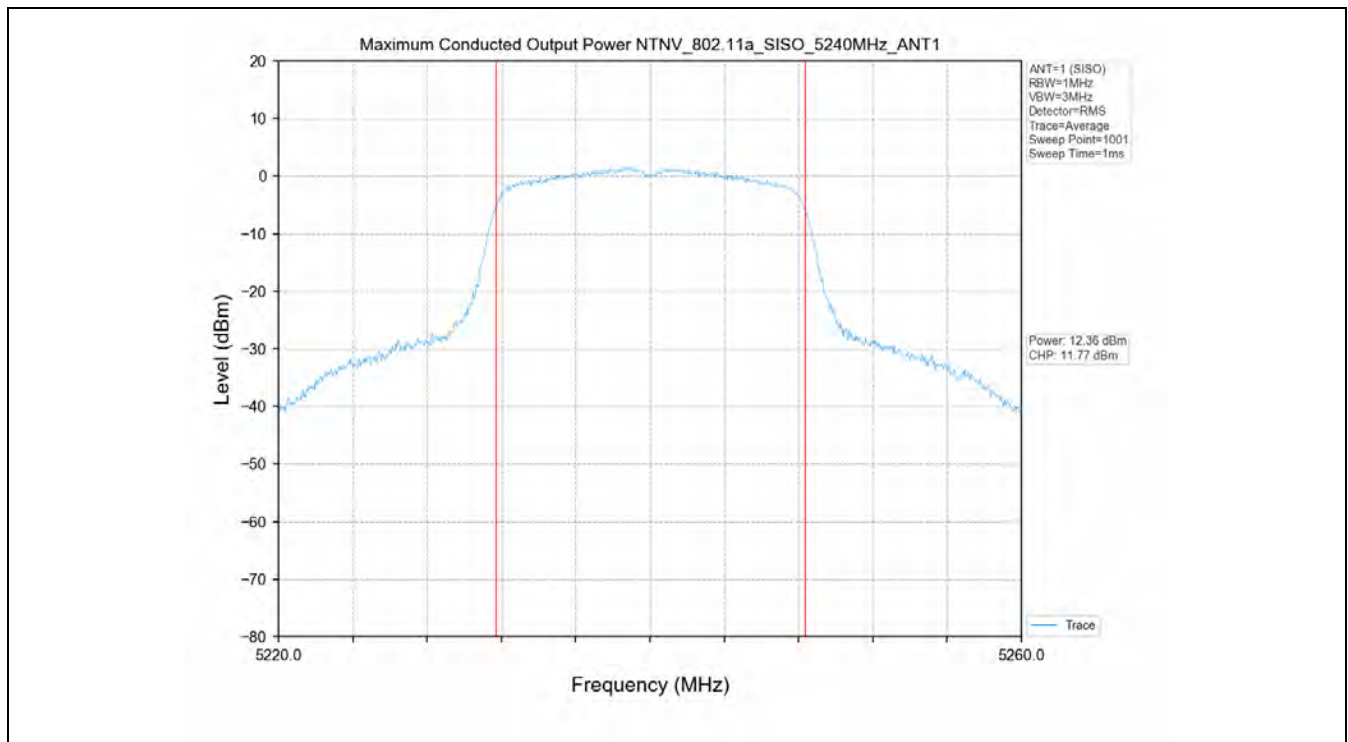
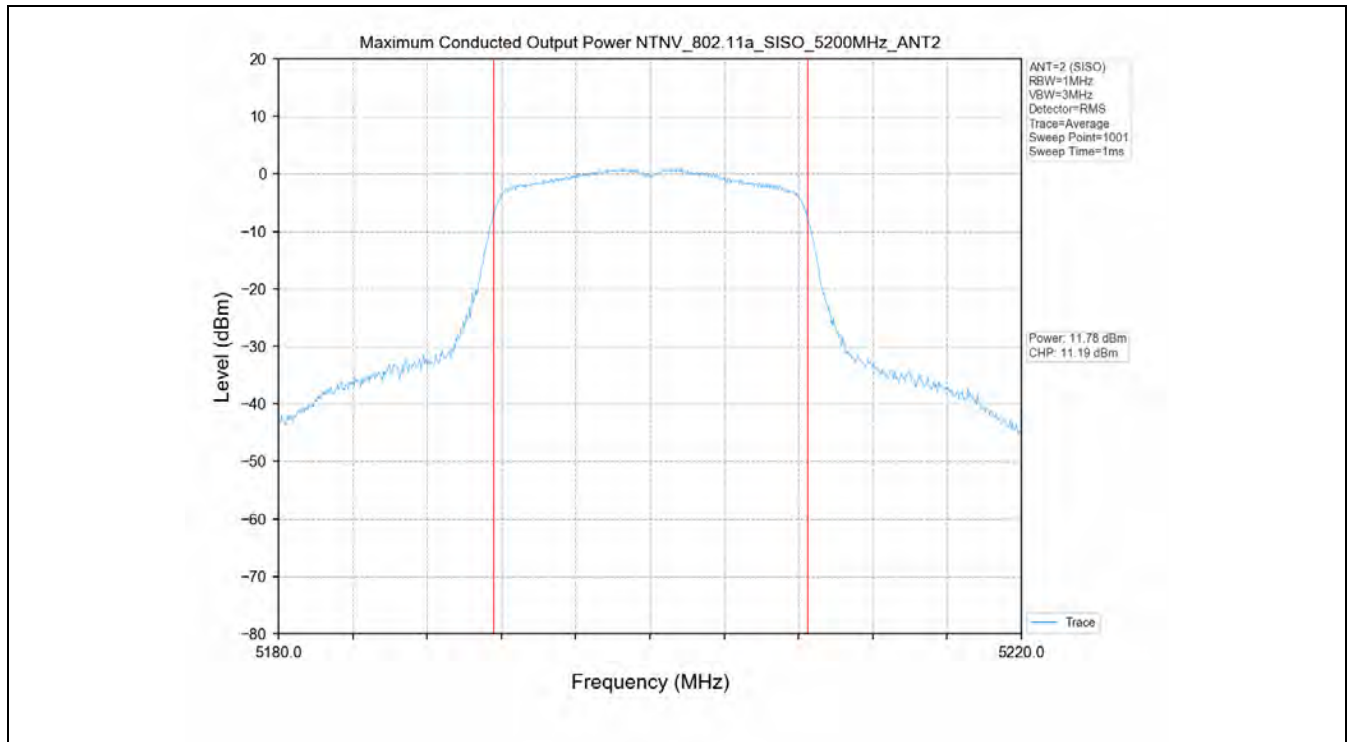
3.2 Maximum Power For IC

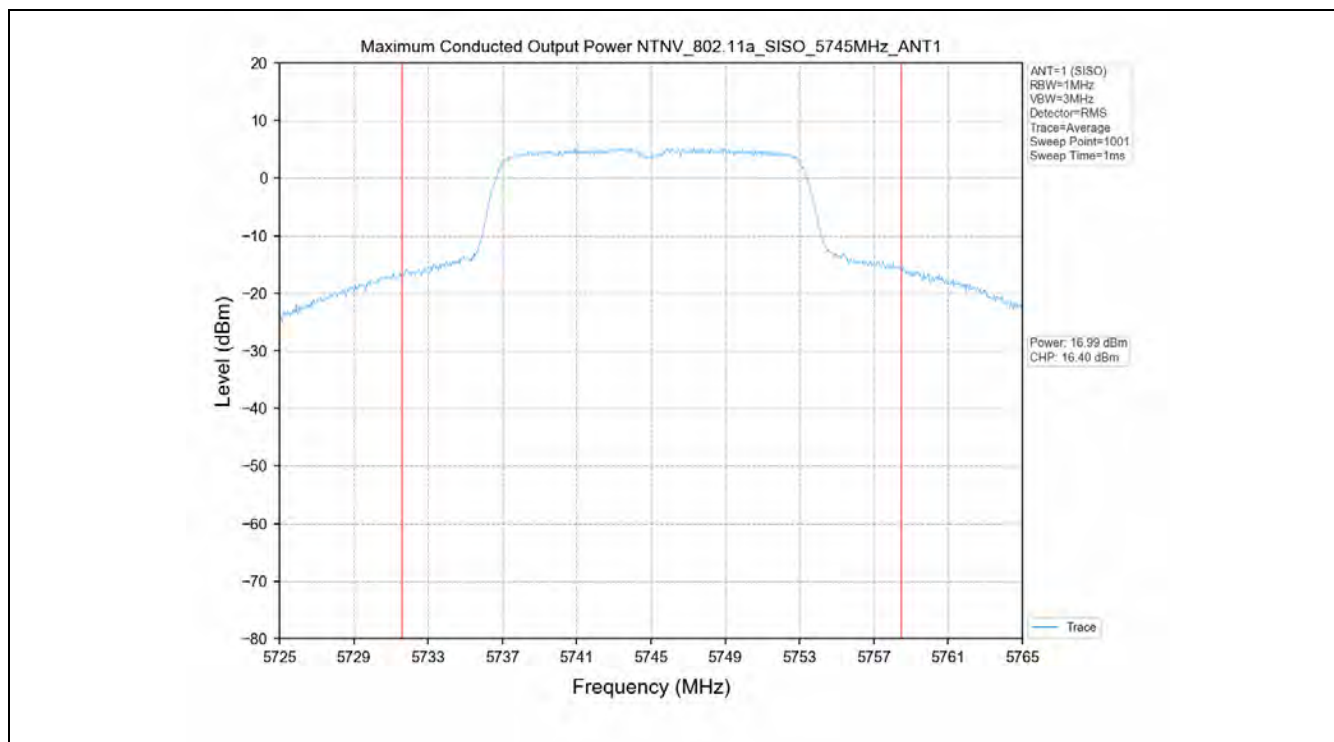
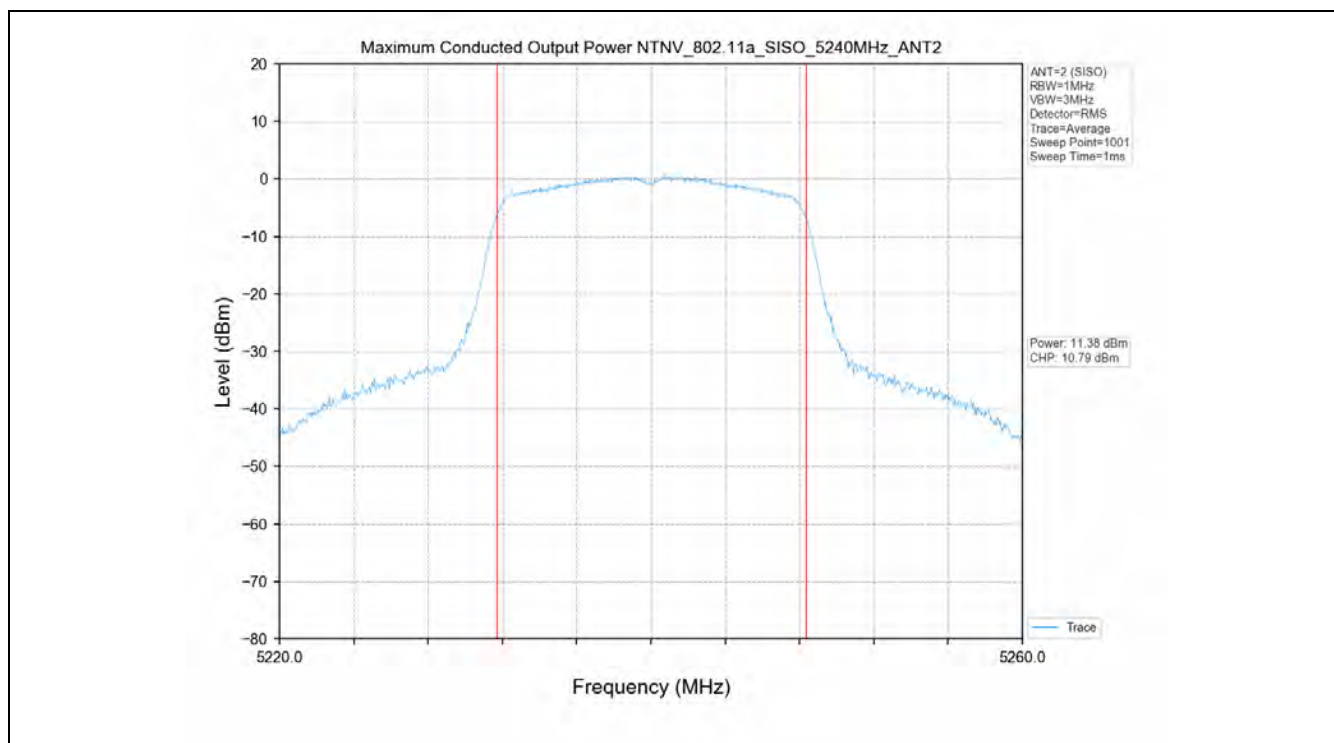
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)			EIRP(dBm)			Limits (dBm)	Verdict
			Ant 1	Ant 2	Total	Ant 1	Ant 2	Total		
802.11a	5180	SISO	12.67	12.15	/	16.68	15.41	/	≤23	PASS
	5200	SISO	12.67	11.78	/	16.68	15.04	/	≤23	PASS
	5240	SISO	12.36	11.38	/	16.37	14.64	/	≤23	PASS
	5745	SISO	16.99	14.74	/	/	/	/	≤30	PASS
	5785	SISO	16.78	15.01	/	/	/	/	≤30	PASS
	5825	SISO	16.65	15.07	/	/	/	/	≤30	PASS
802.11n	5180	MIMO	11.48	11.14	14.32	18.13	17.79	20.97	≤22.35	PASS
	5190	MIMO	11.17	10.35	13.79	17.82	17.00	20.44	≤22.35	PASS
	5200	MIMO	11.51	10.87	14.21	18.16	17.52	20.86	≤22.35	PASS
	5230	MIMO	11.82	10.65	14.28	18.47	17.30	20.93	≤22.35	PASS
	5240	MIMO	11.35	10.45	13.93	18.00	17.10	20.58	≤22.35	PASS
	5745	MIMO	16.73	14.43	18.74	/	/	/	≤29.35	PASS
	5755	MIMO	17.08	15.04	19.19	/	/	/	≤29.35	PASS
	5785	MIMO	16.30	14.55	18.52	/	/	/	≤29.35	PASS
	5795	MIMO	16.62	14.88	18.85	/	/	/	≤29.35	PASS
	5825	MIMO	16.54	14.58	18.68	/	/	/	≤29.35	PASS
802.11ac	5180	MIMO	11.57	11.17	14.38	18.22	17.82	21.03	≤22.35	PASS
	5190	MIMO	11.95	11.08	14.55	18.6	17.73	21.20	≤22.35	PASS
	5200	MIMO	11.49	10.82	14.18	18.14	17.47	20.83	≤22.35	PASS
	5210	MIMO	11.52	10.63	14.11	18.17	17.28	20.76	≤22.35	PASS
	5230	MIMO	11.64	10.63	14.17	18.29	17.28	20.82	≤22.35	PASS
	5240	MIMO	11.28	10.43	13.89	17.93	17.08	20.54	≤22.35	PASS
	5745	MIMO	16.37	14.44	18.52	/	/	/	≤29.35	PASS
	5755	MIMO	17.15	15.00	19.22	/	/	/	≤29.35	PASS
	5775	MIMO	15.70	13.88	17.89	/	/	/	≤29.35	PASS
	5785	MIMO	16.45	14.52	18.60	/	/	/	≤29.35	PASS
	5795	MIMO	16.53	14.43	18.62	/	/	/	≤29.35	PASS
	5825	MIMO	16.55	14.57	18.68	/	/	/	≤29.35	PASS

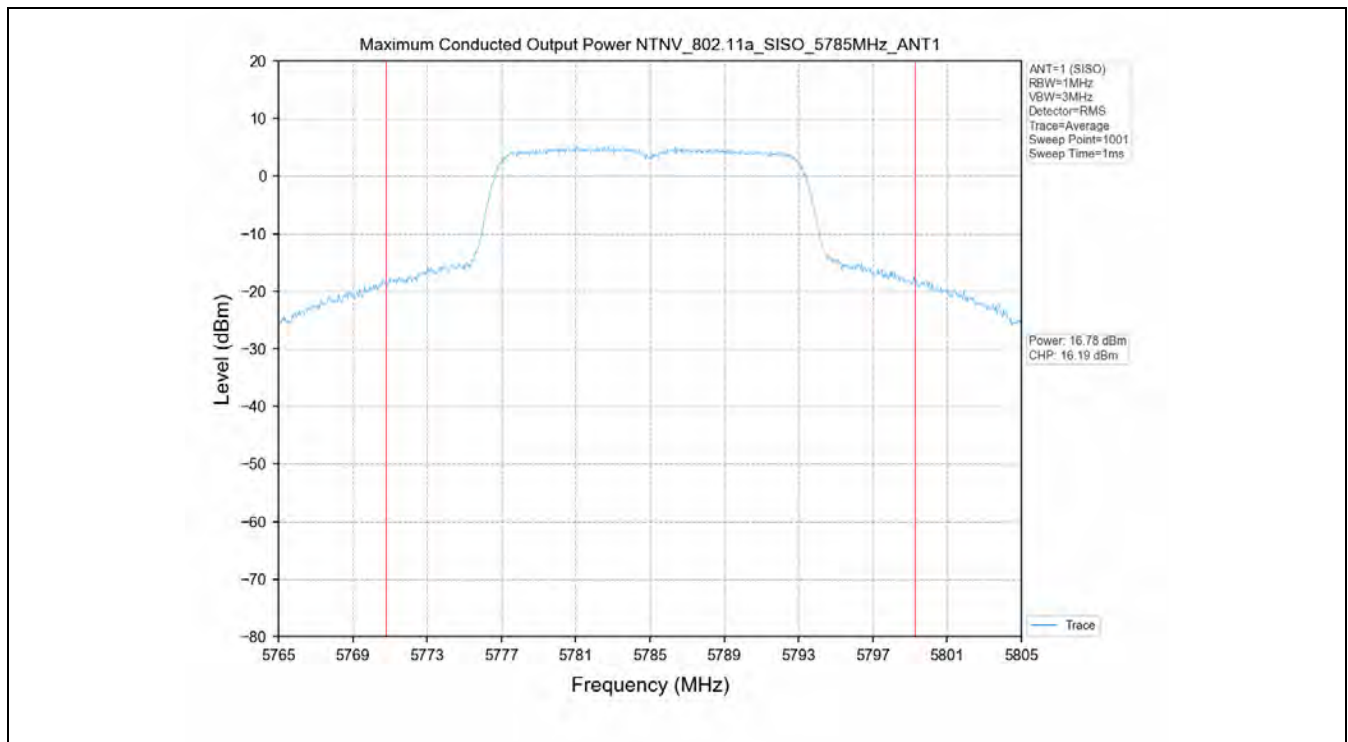
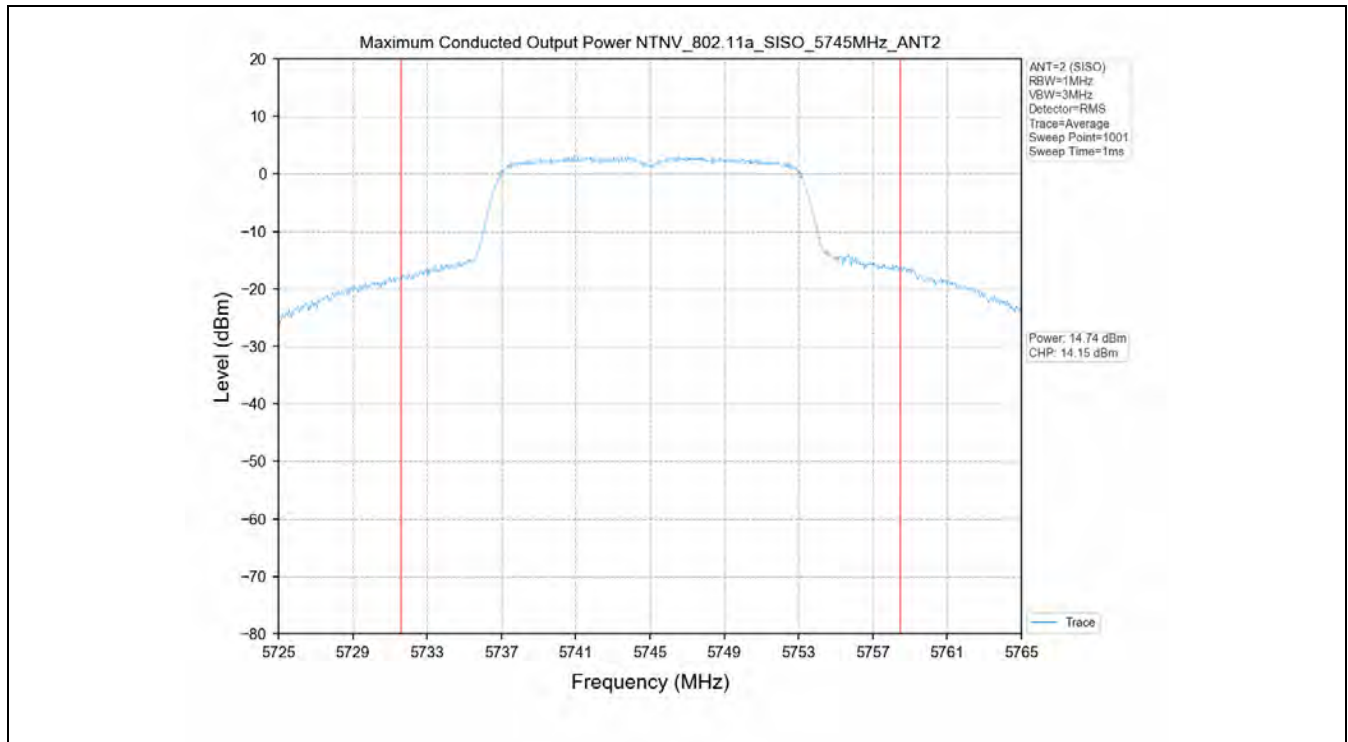
3.3 Test Graph

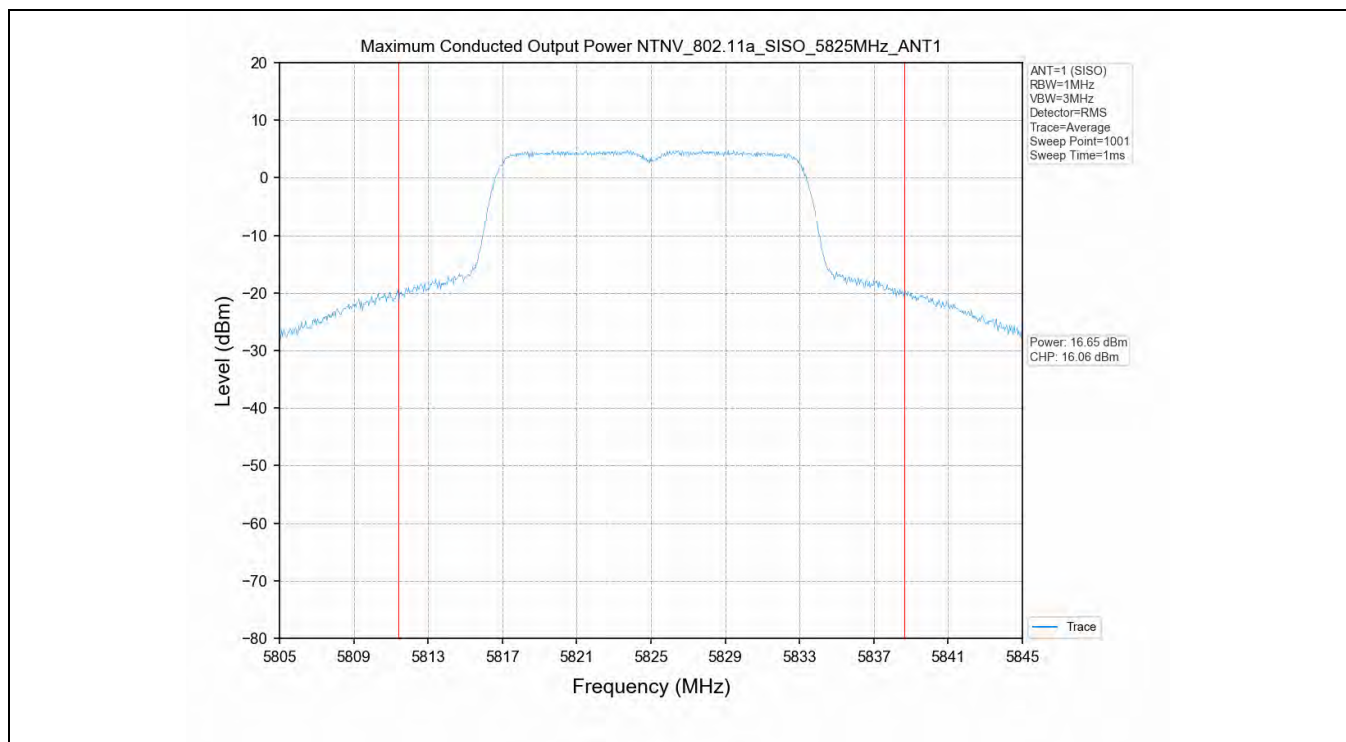
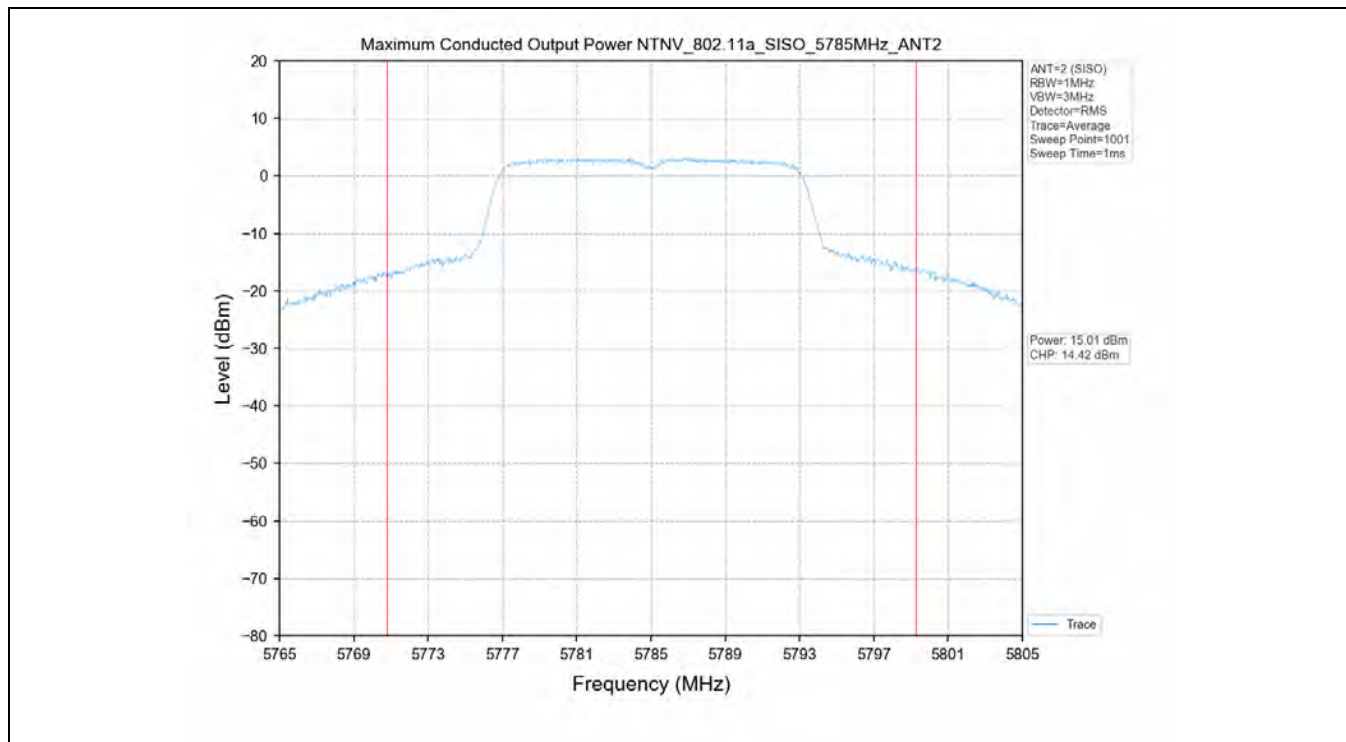


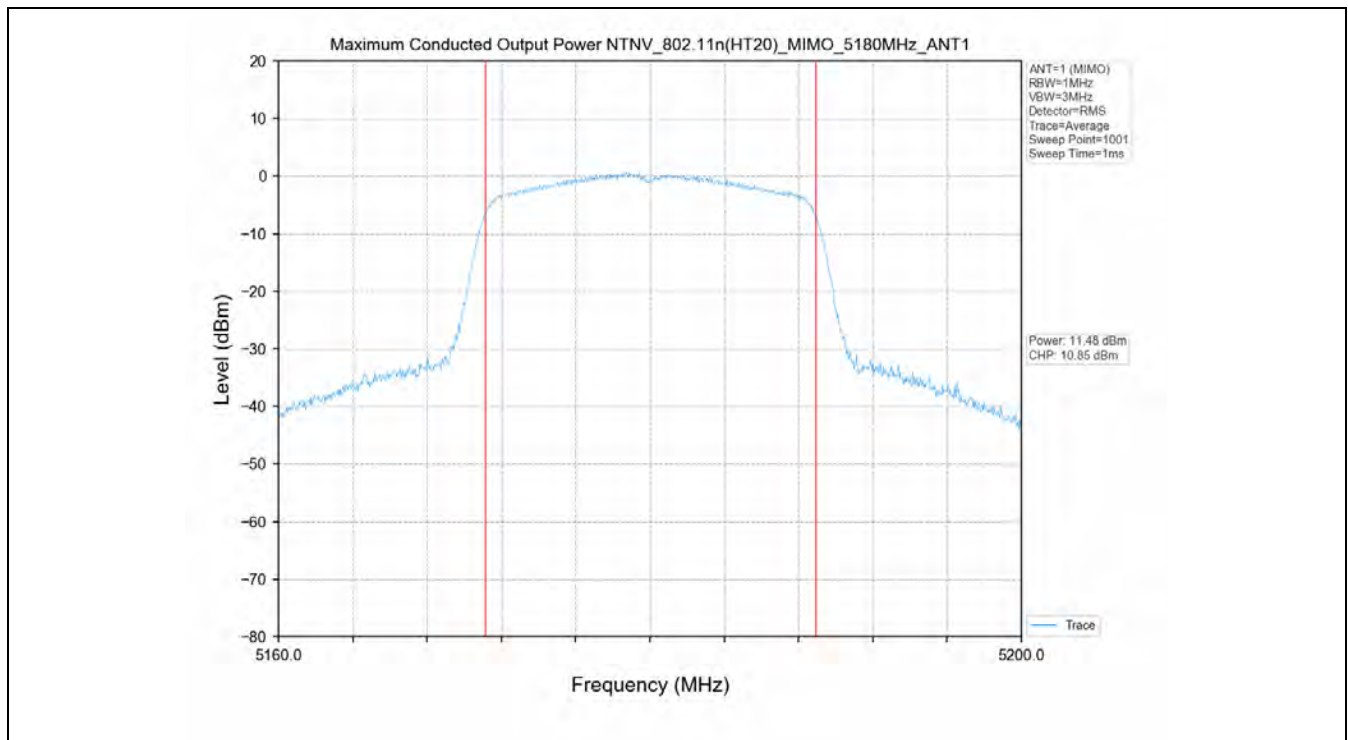
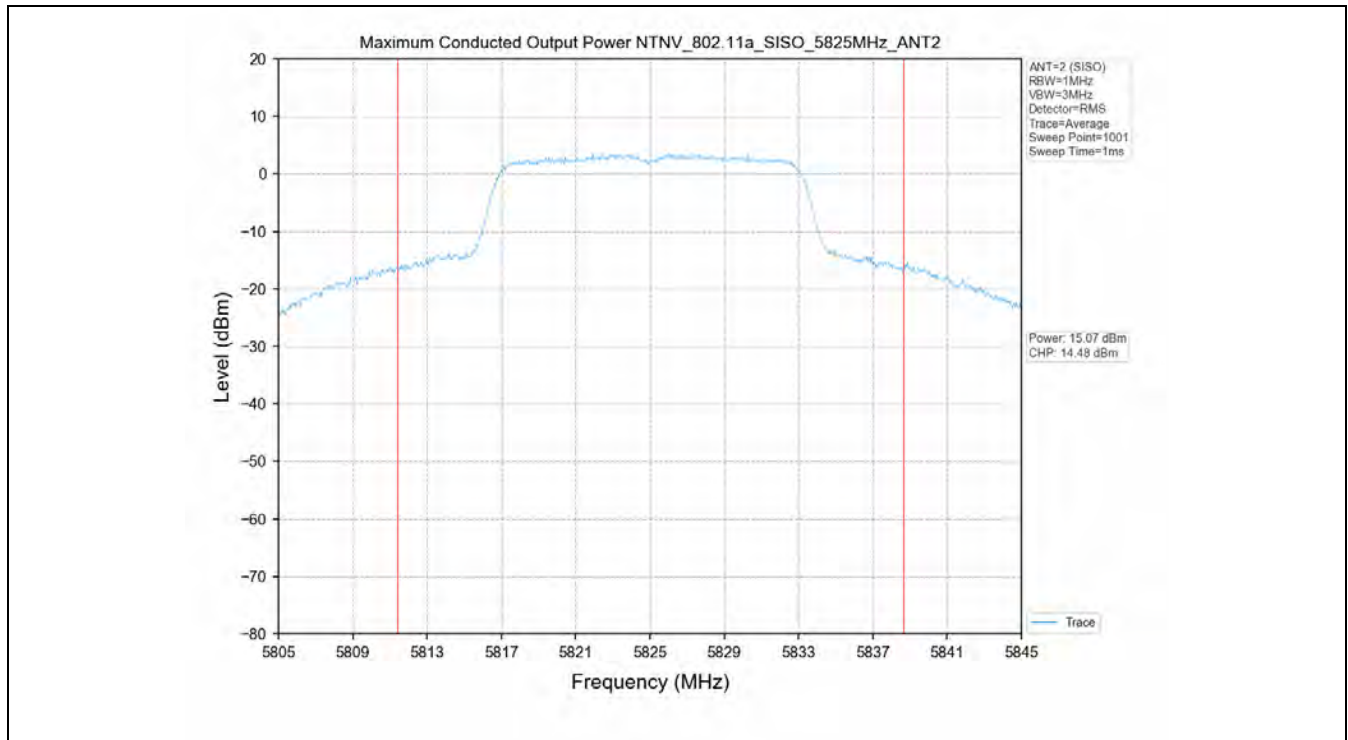


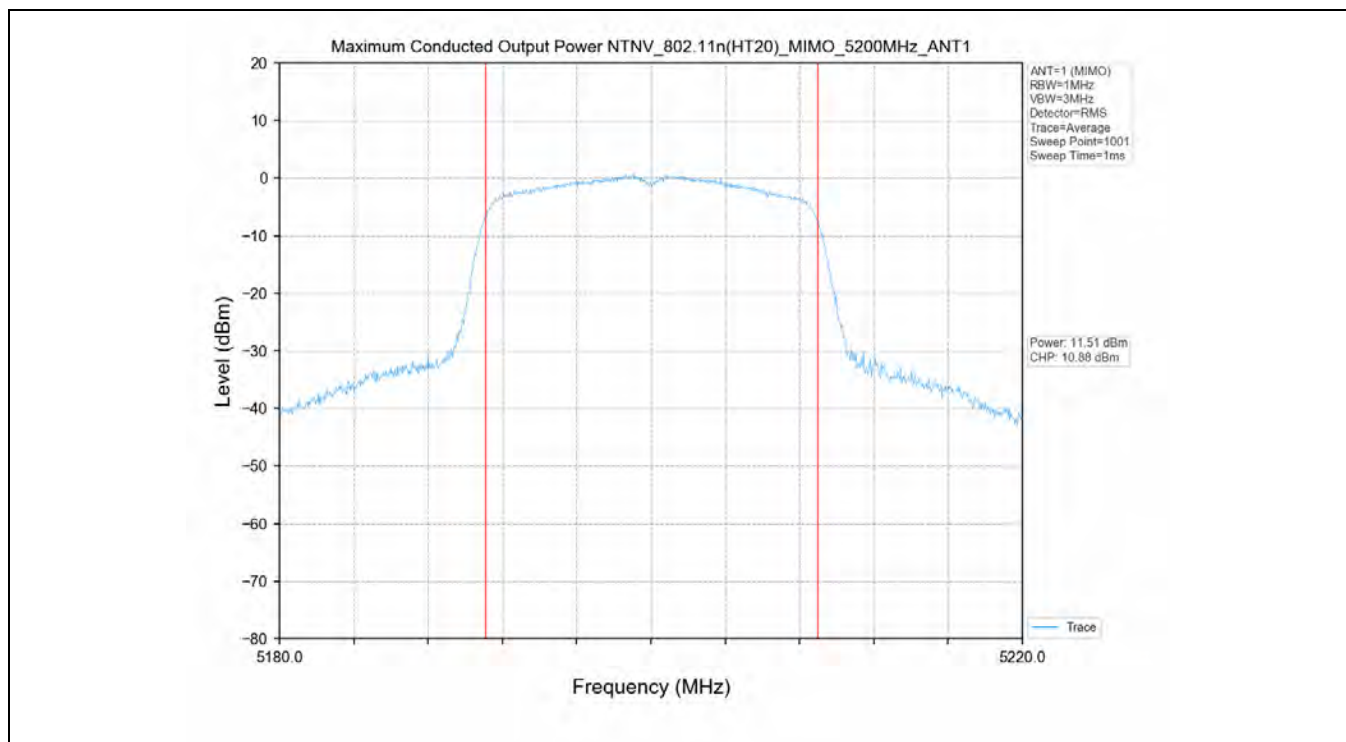
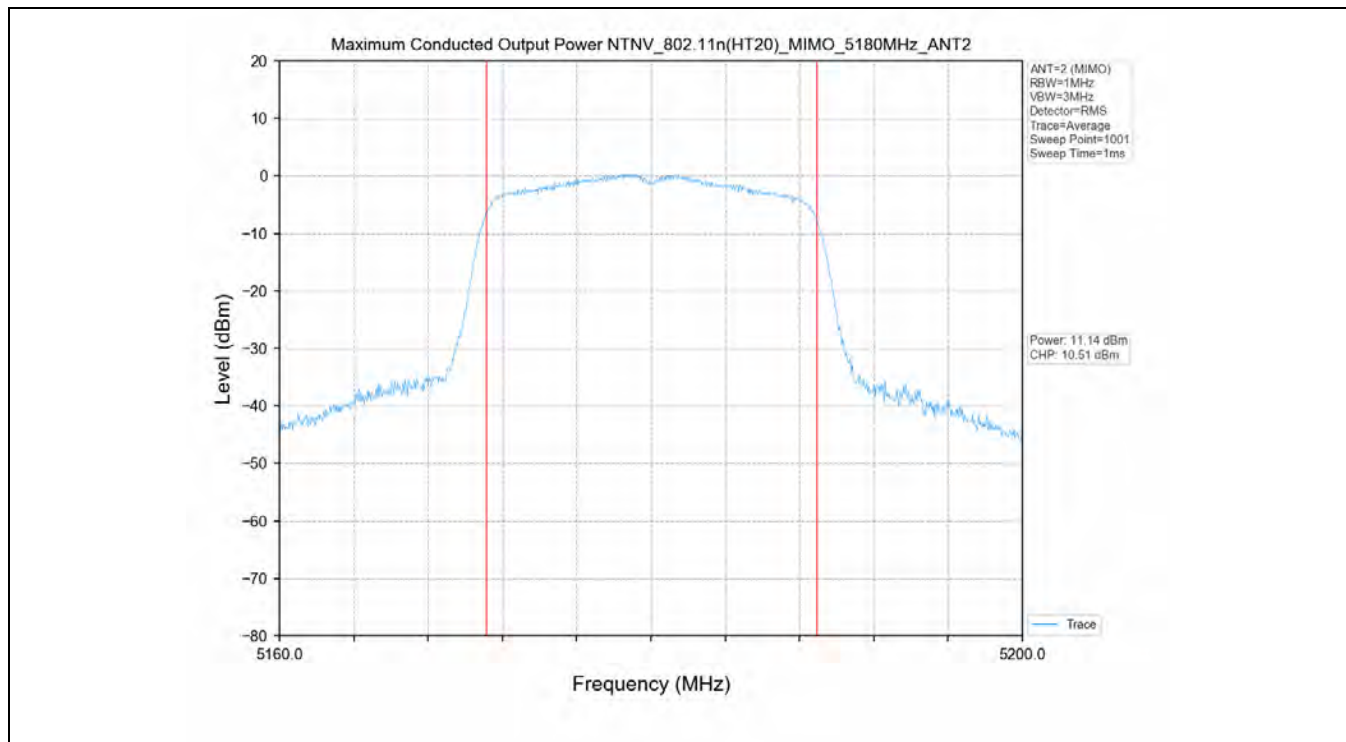


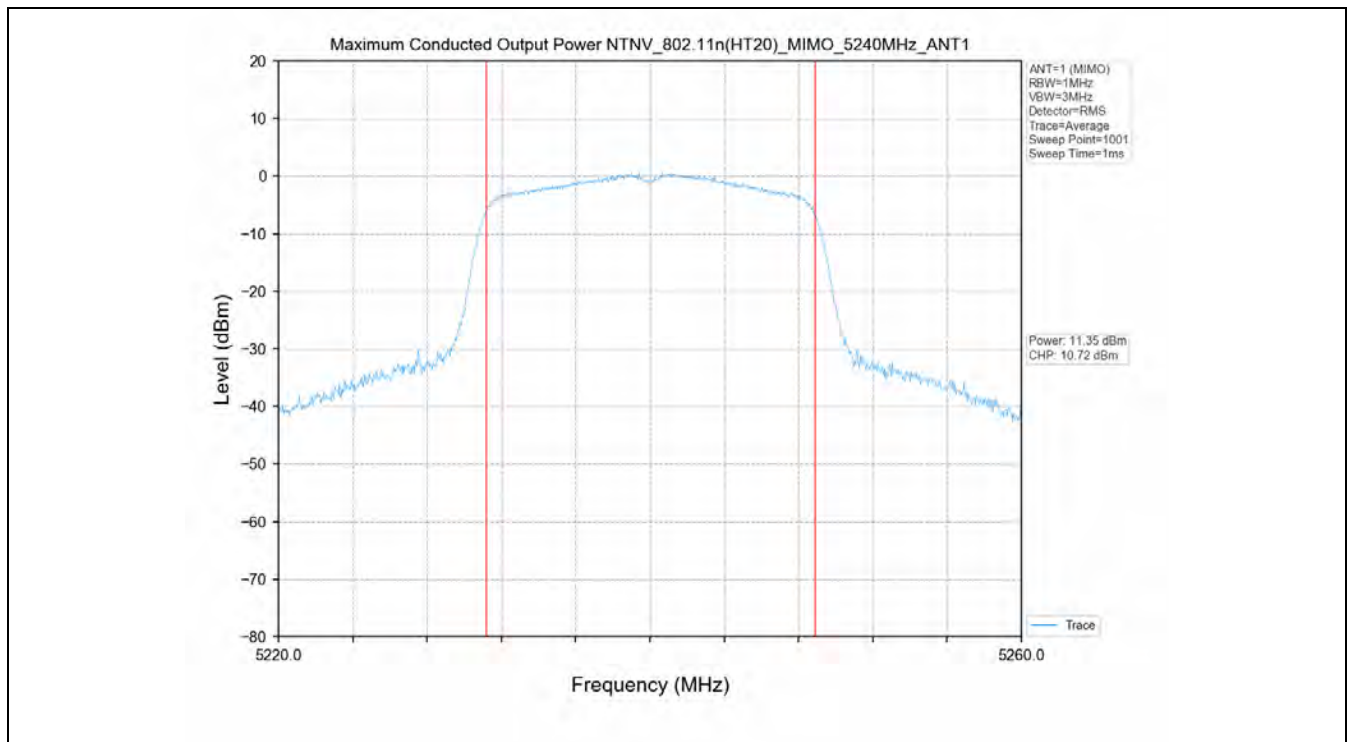
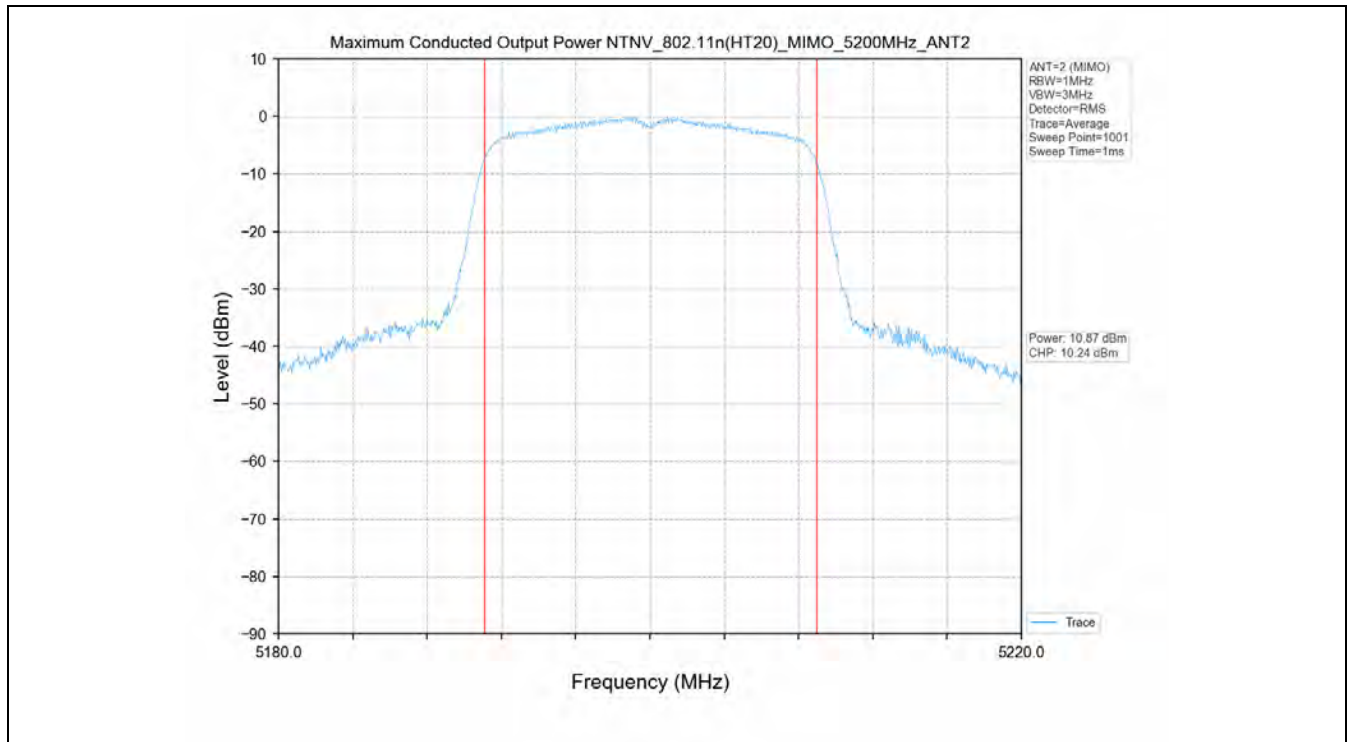


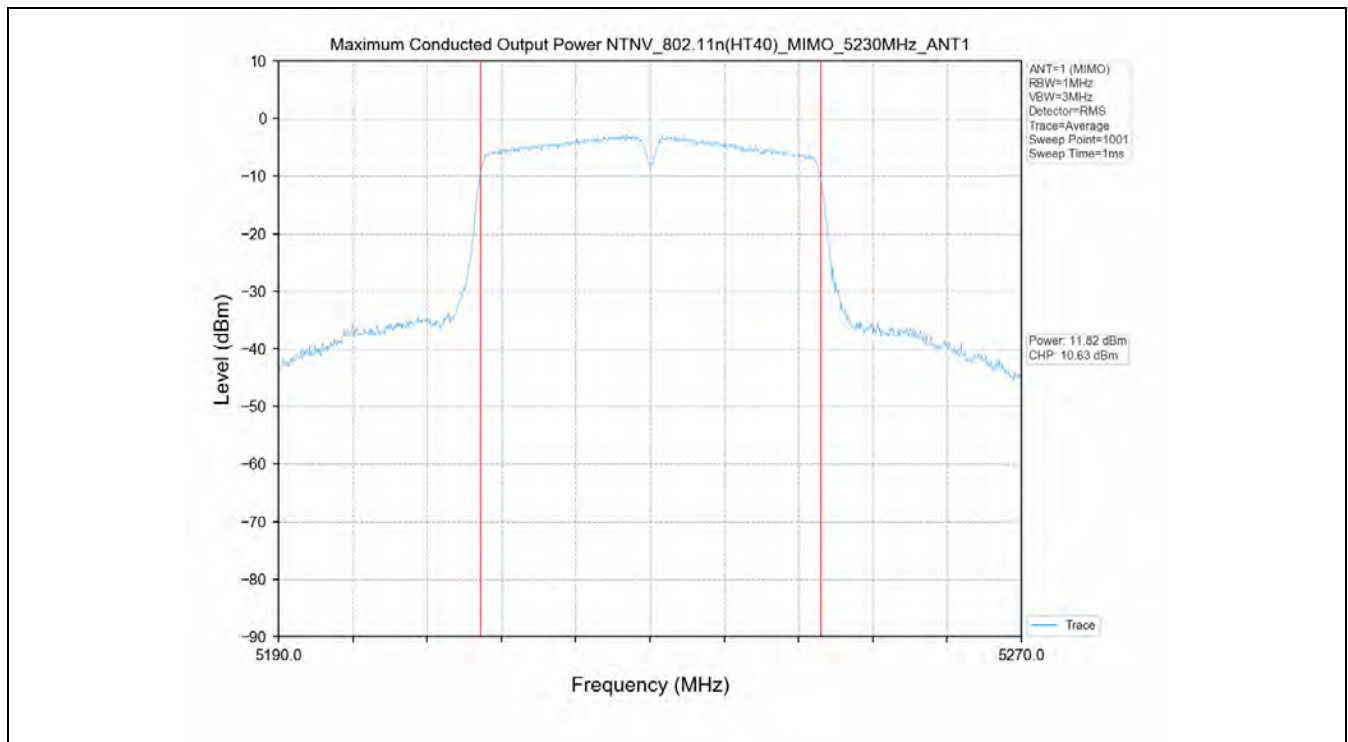
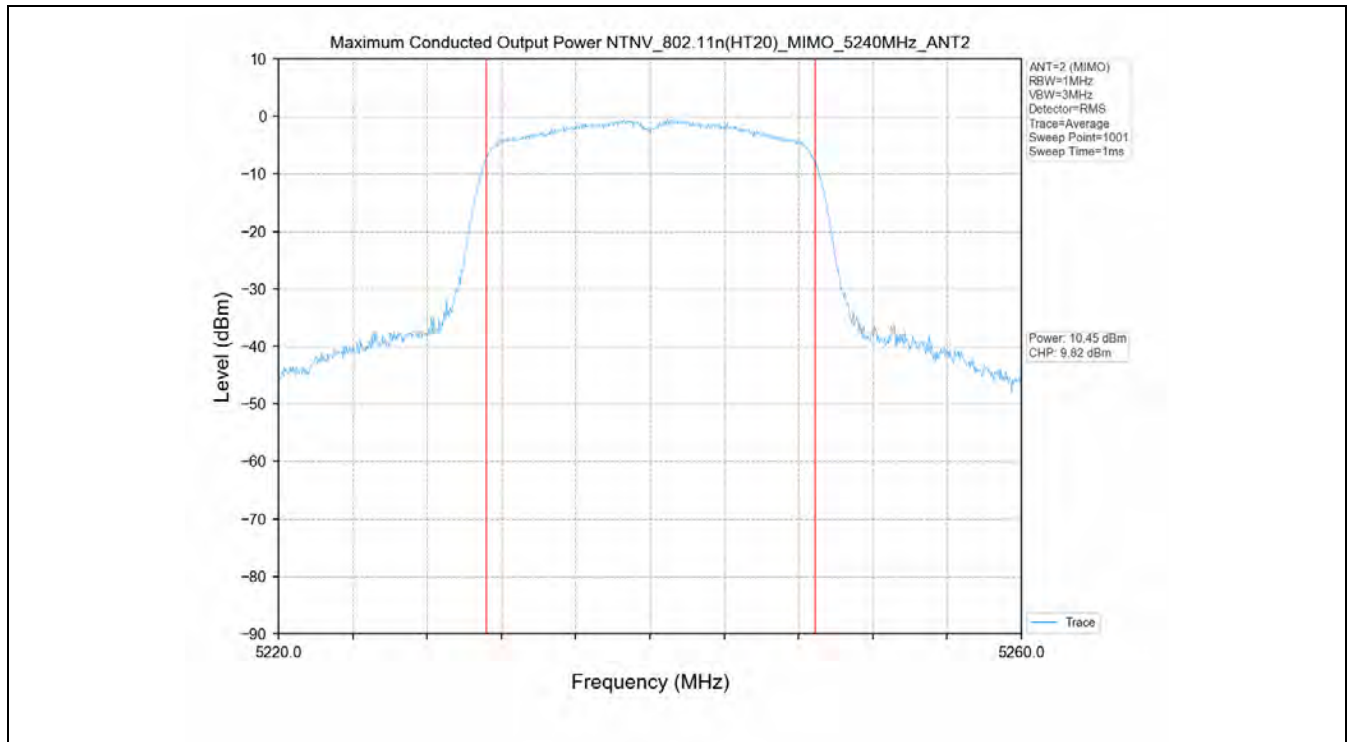


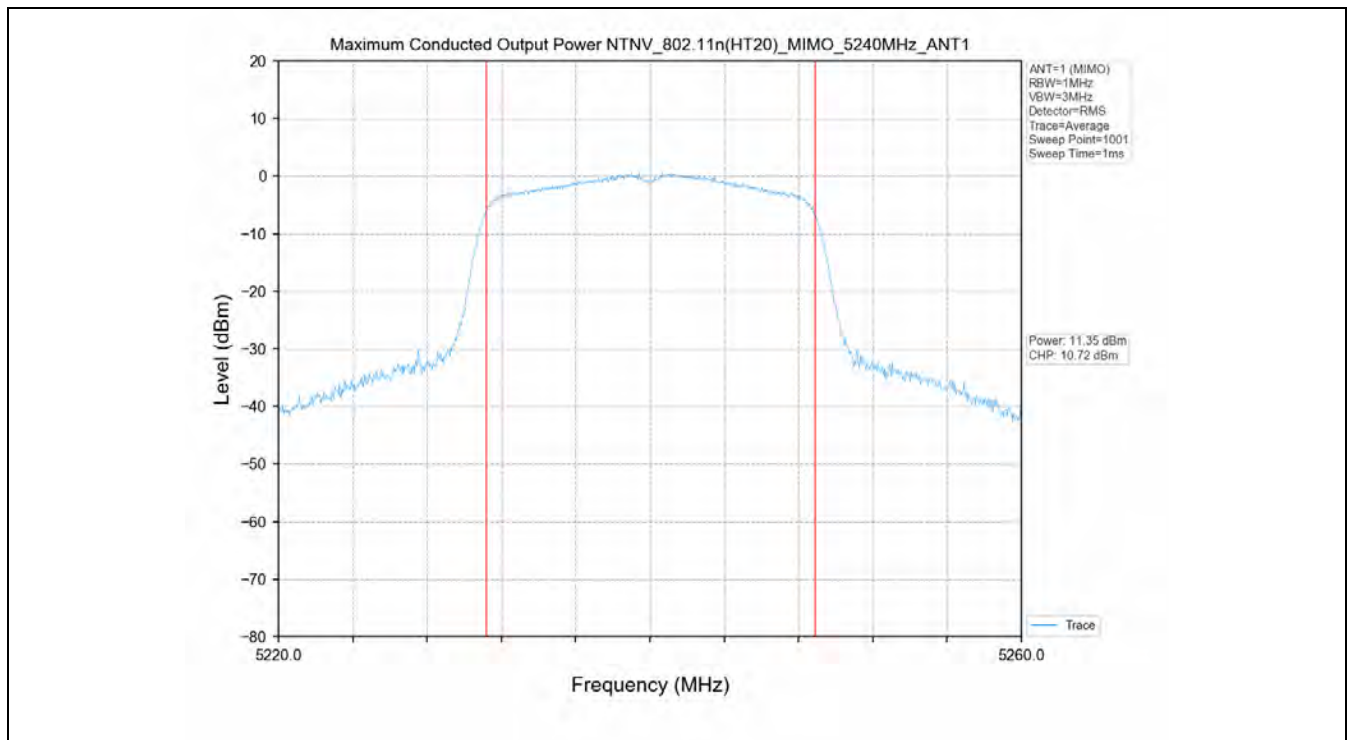
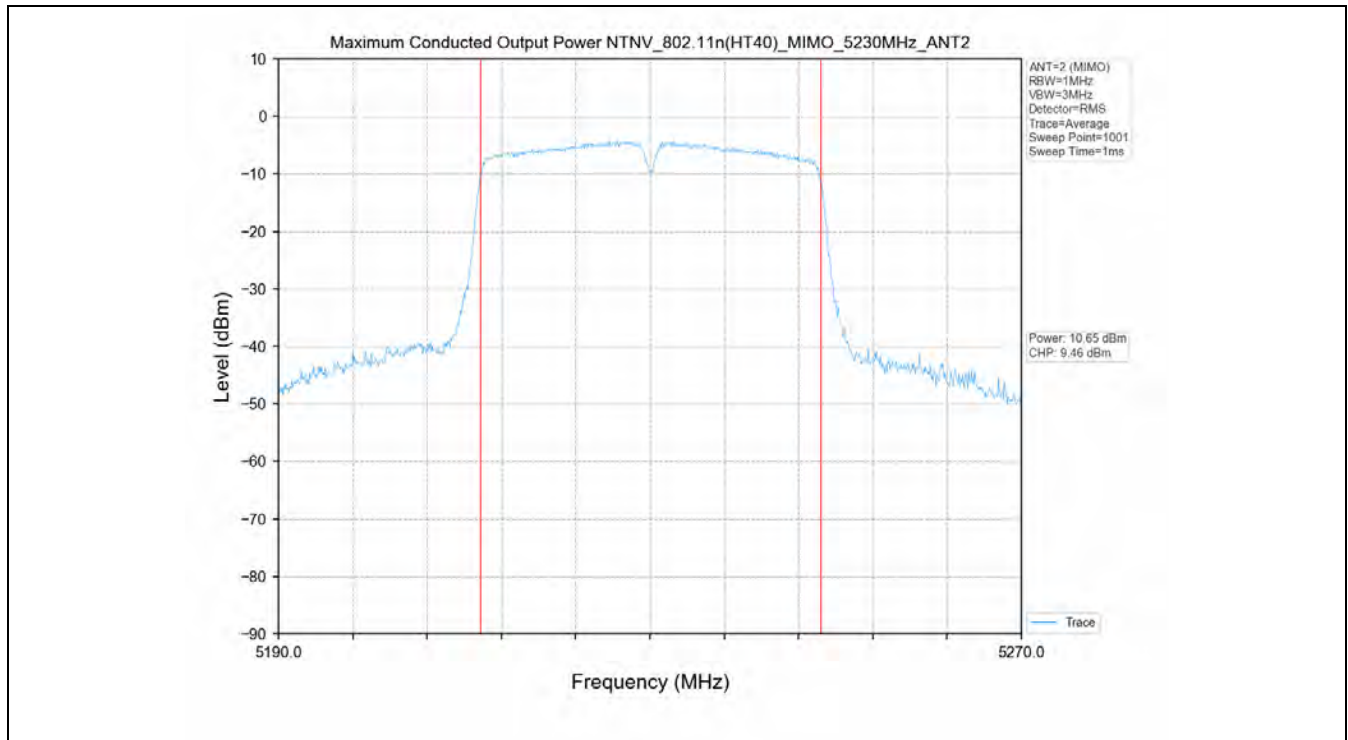


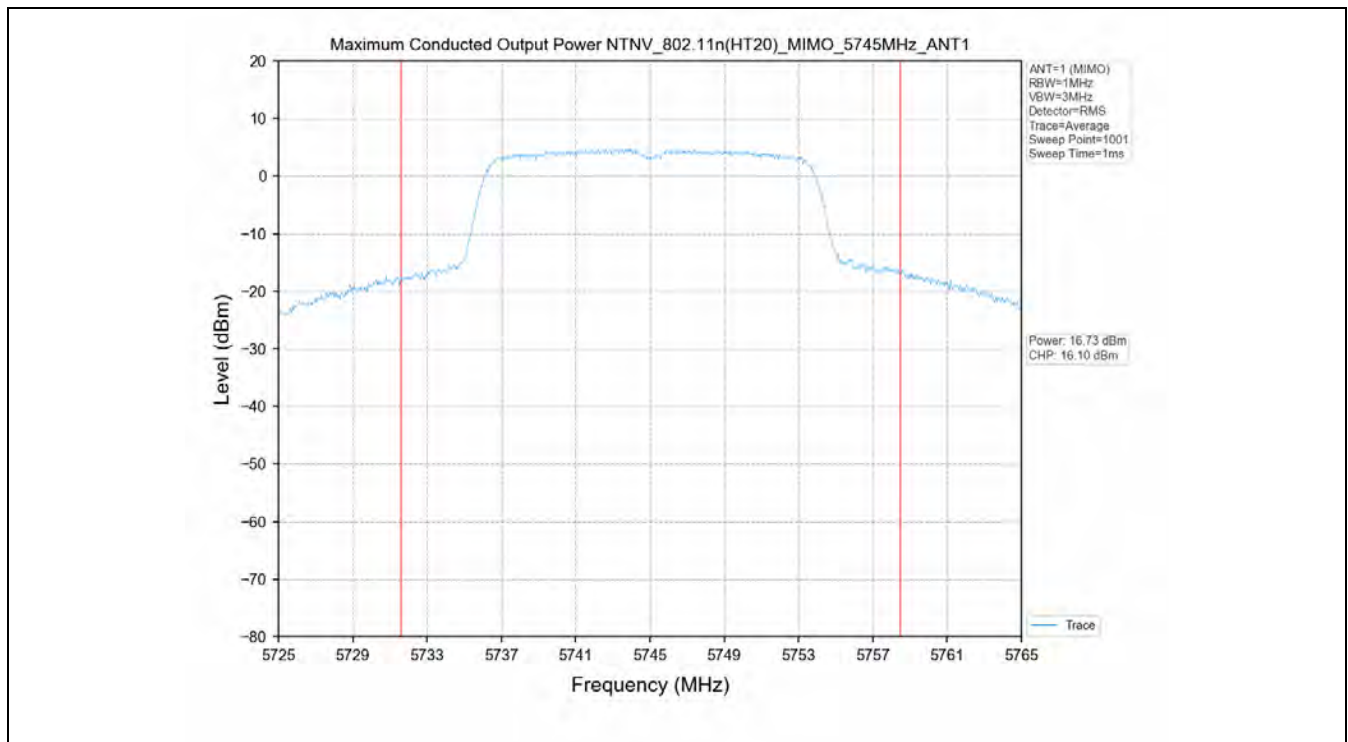
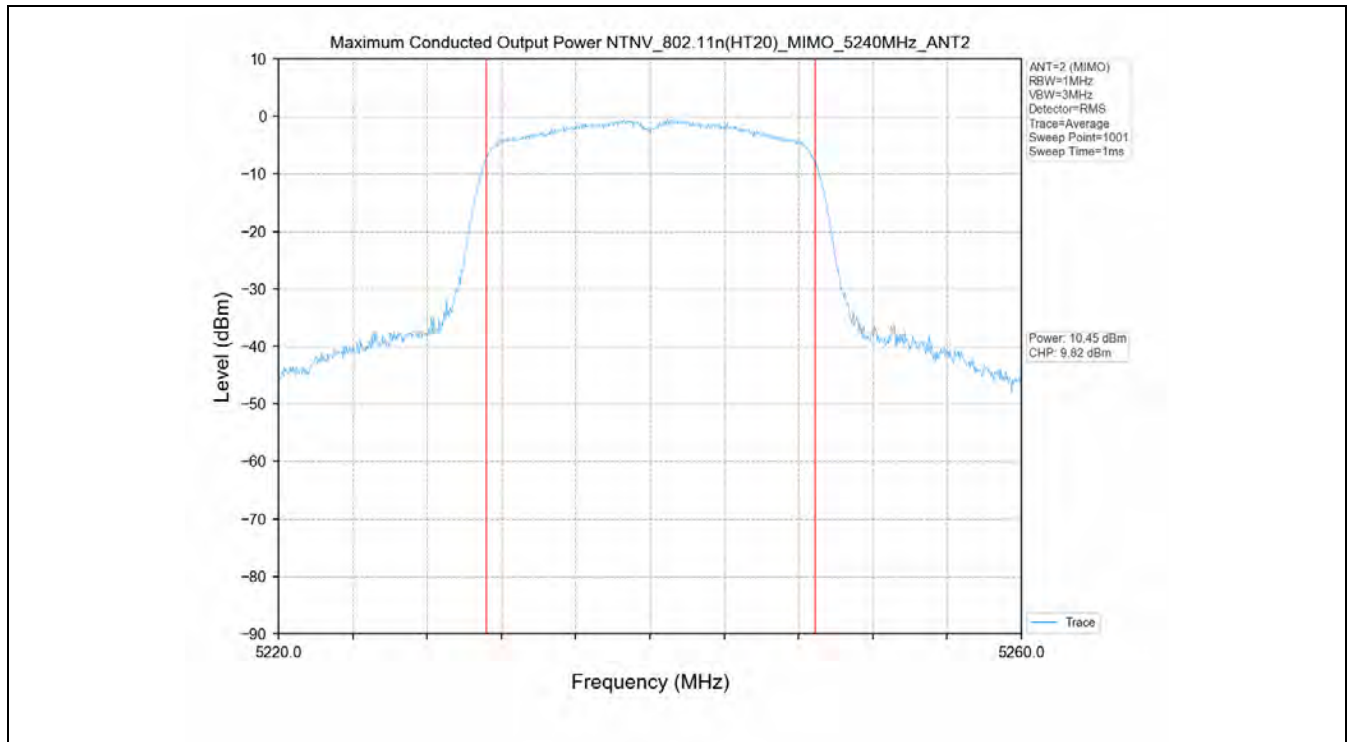


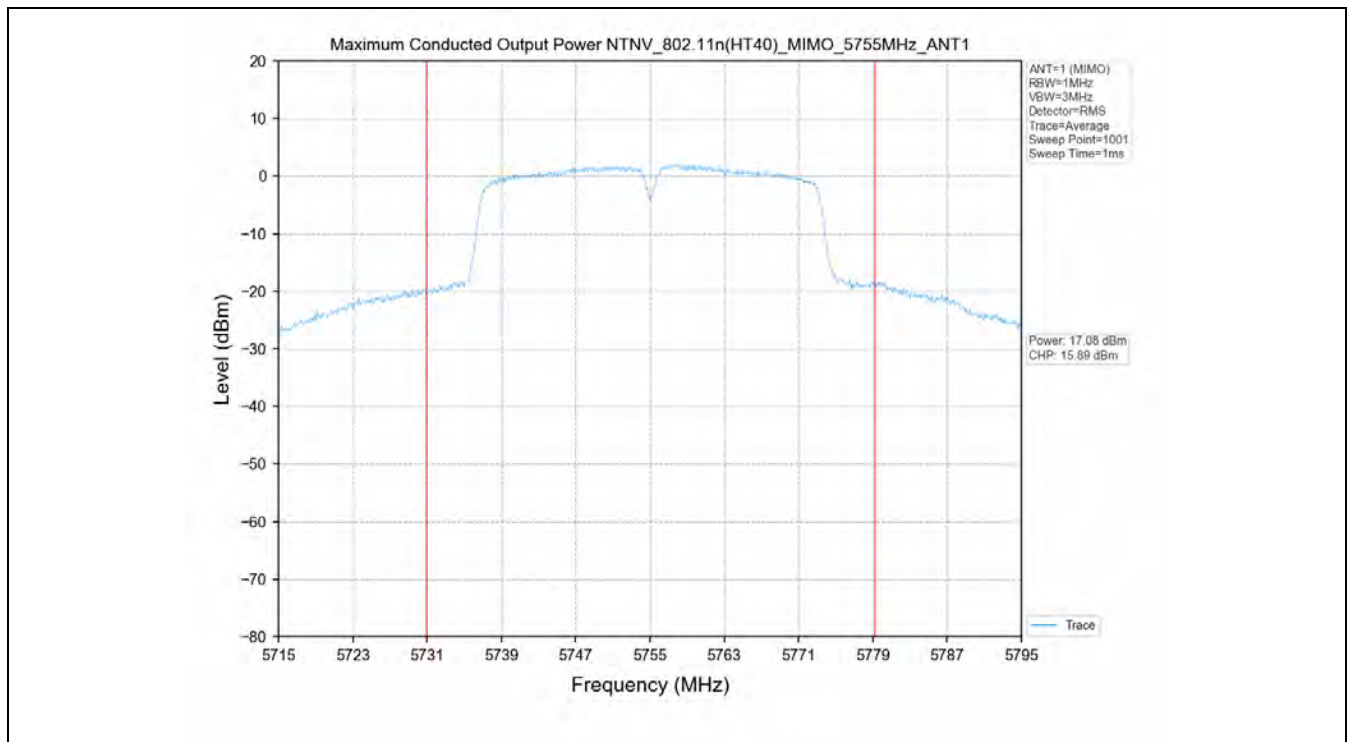
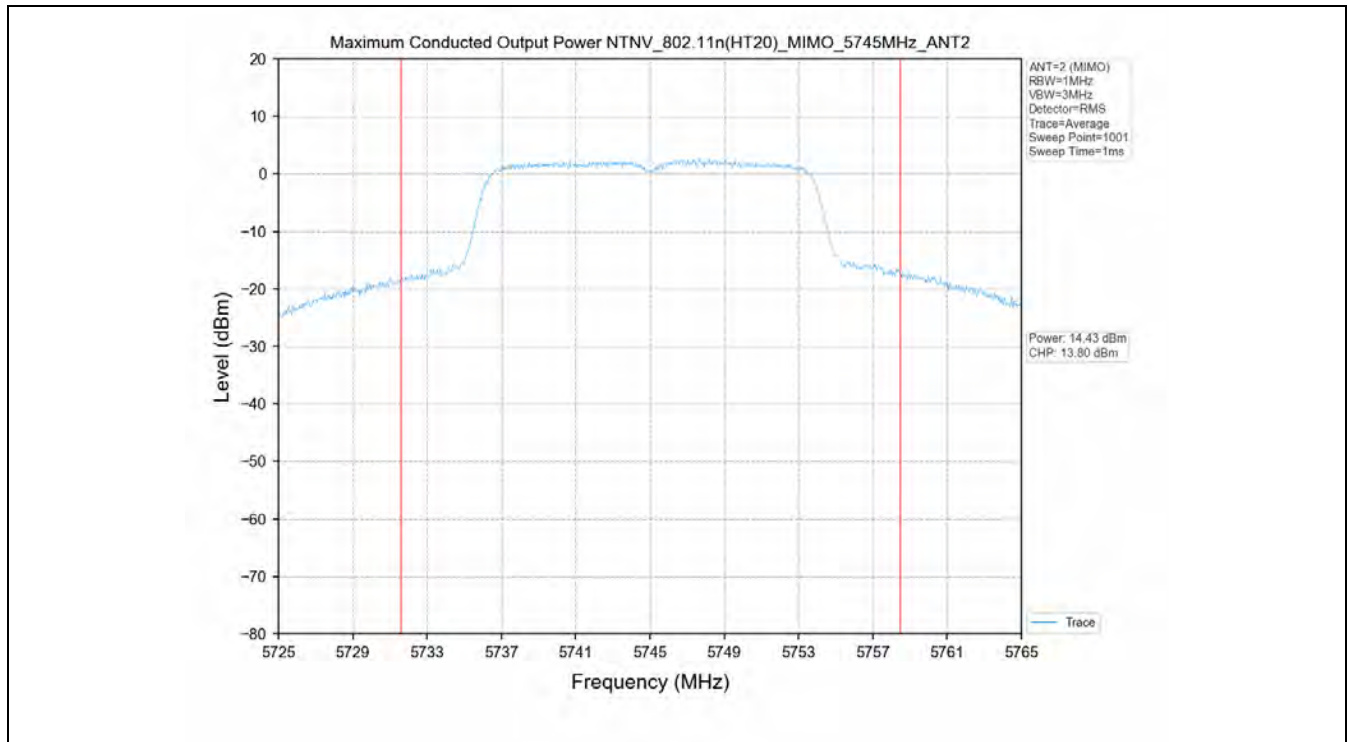


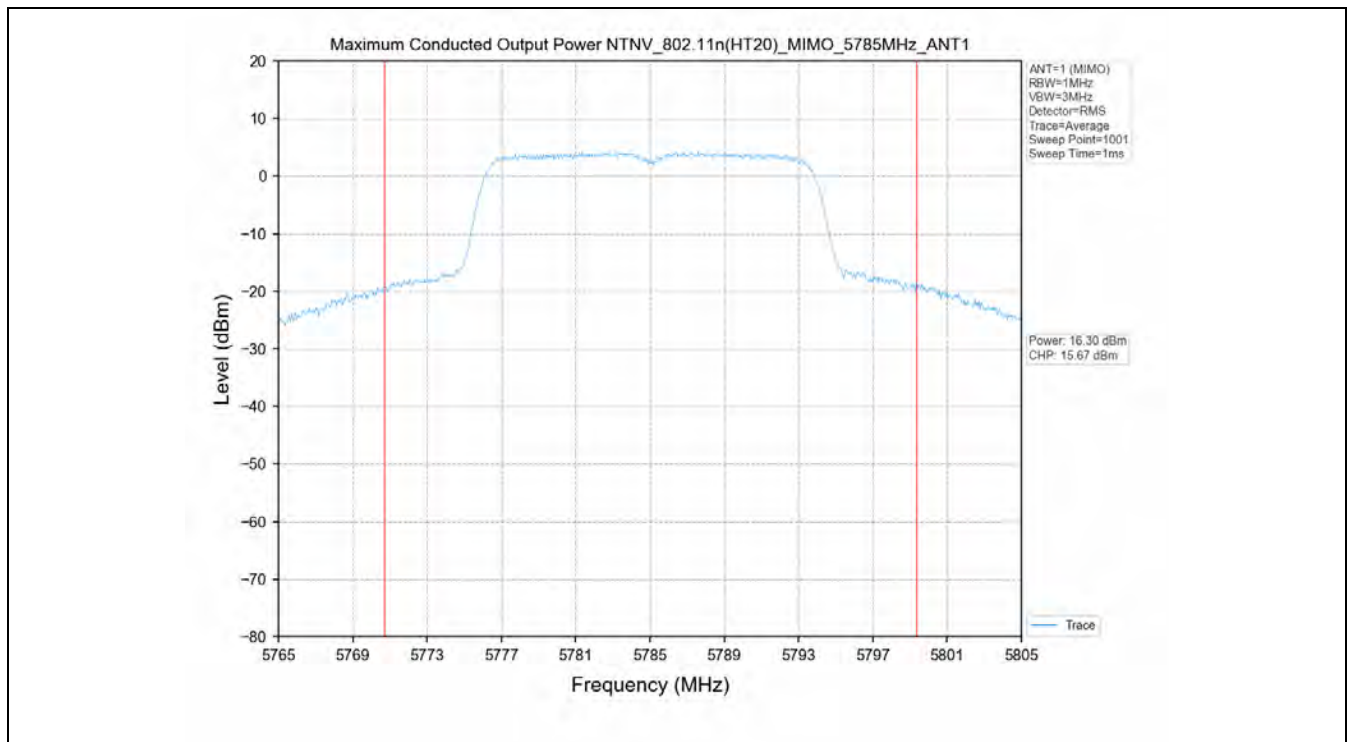
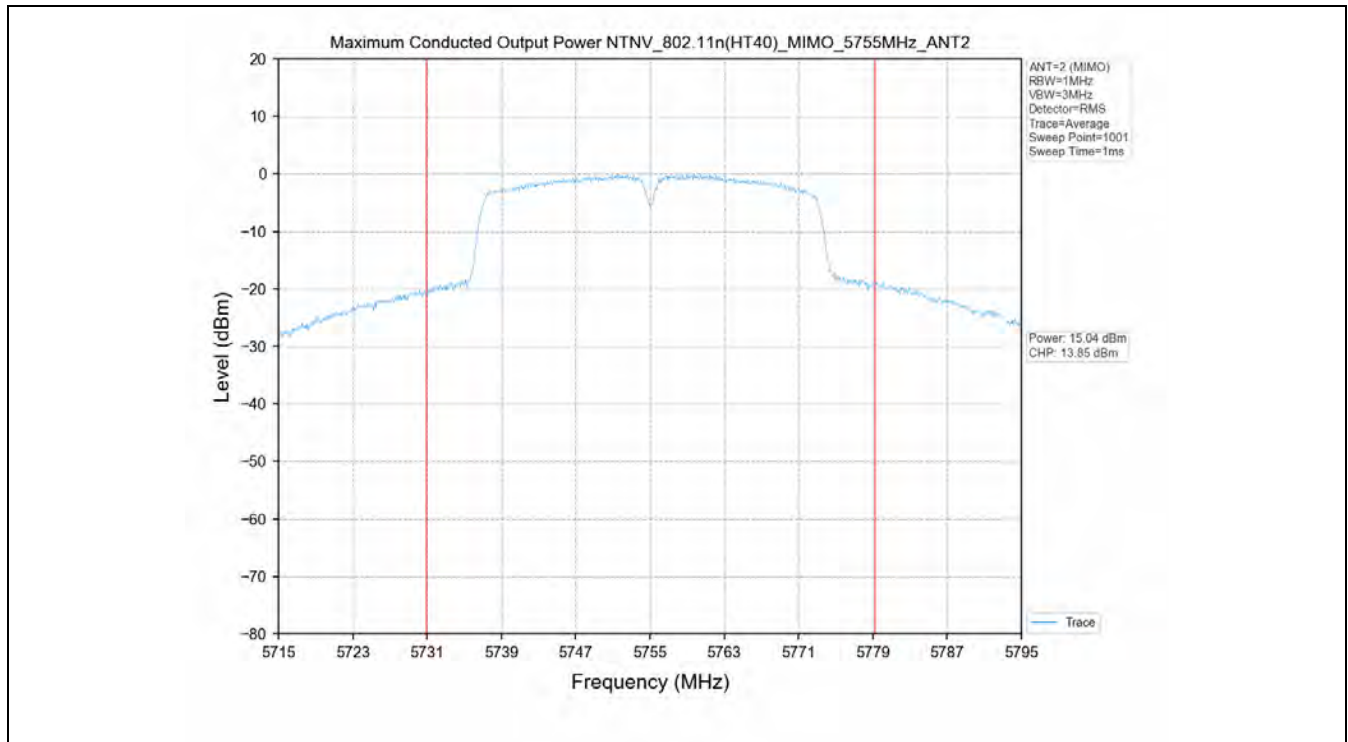


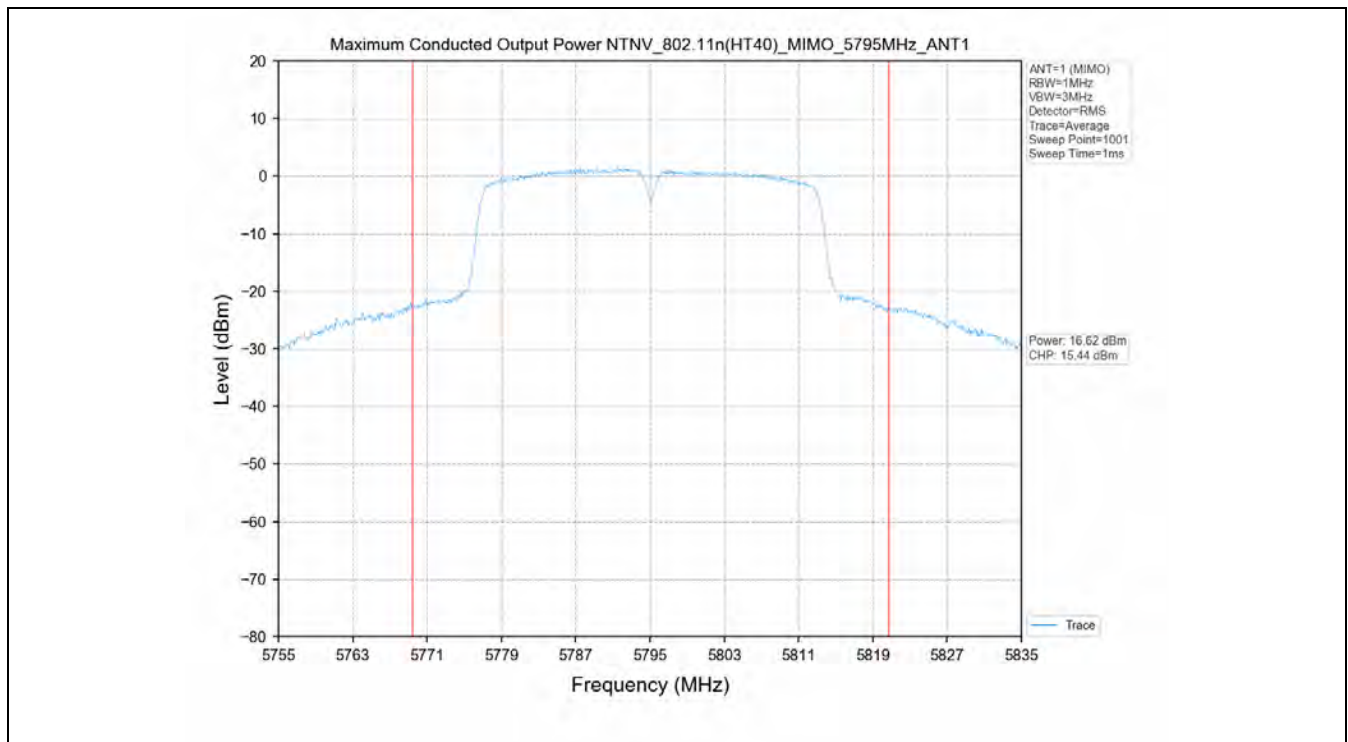
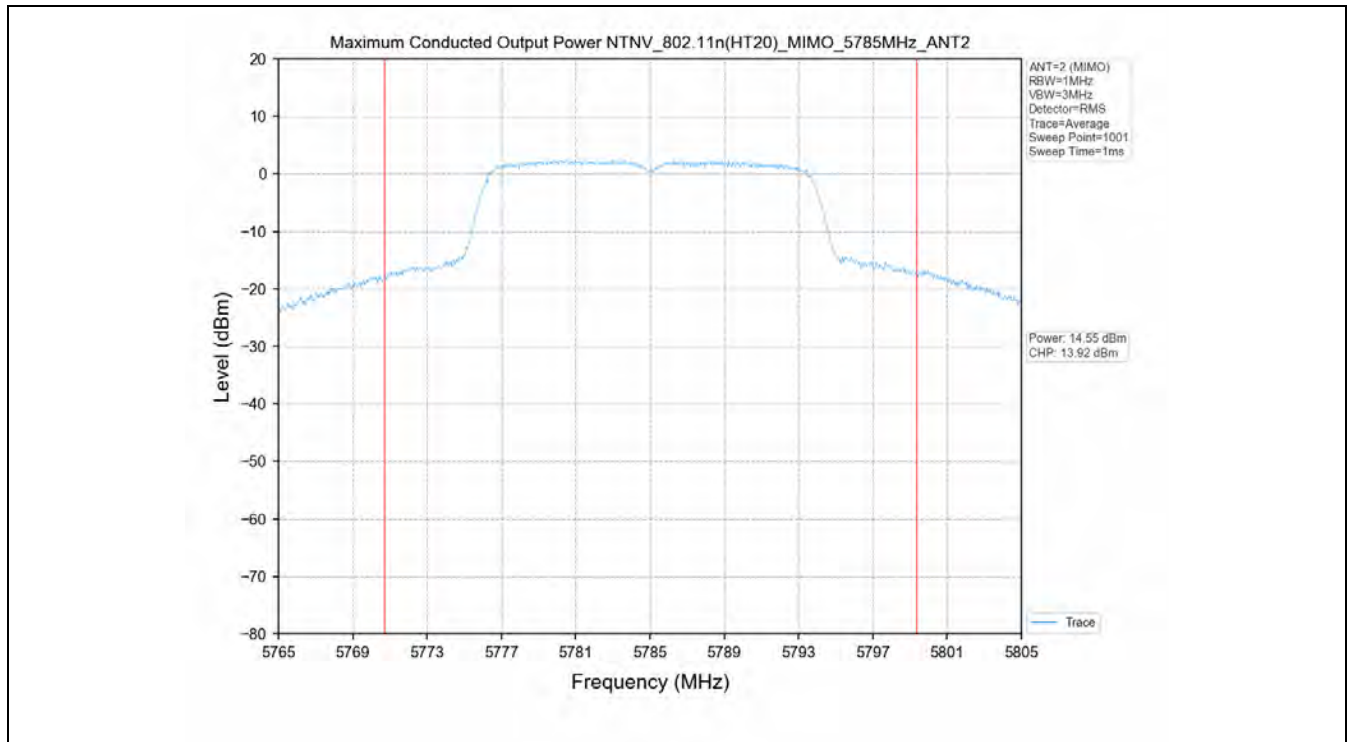


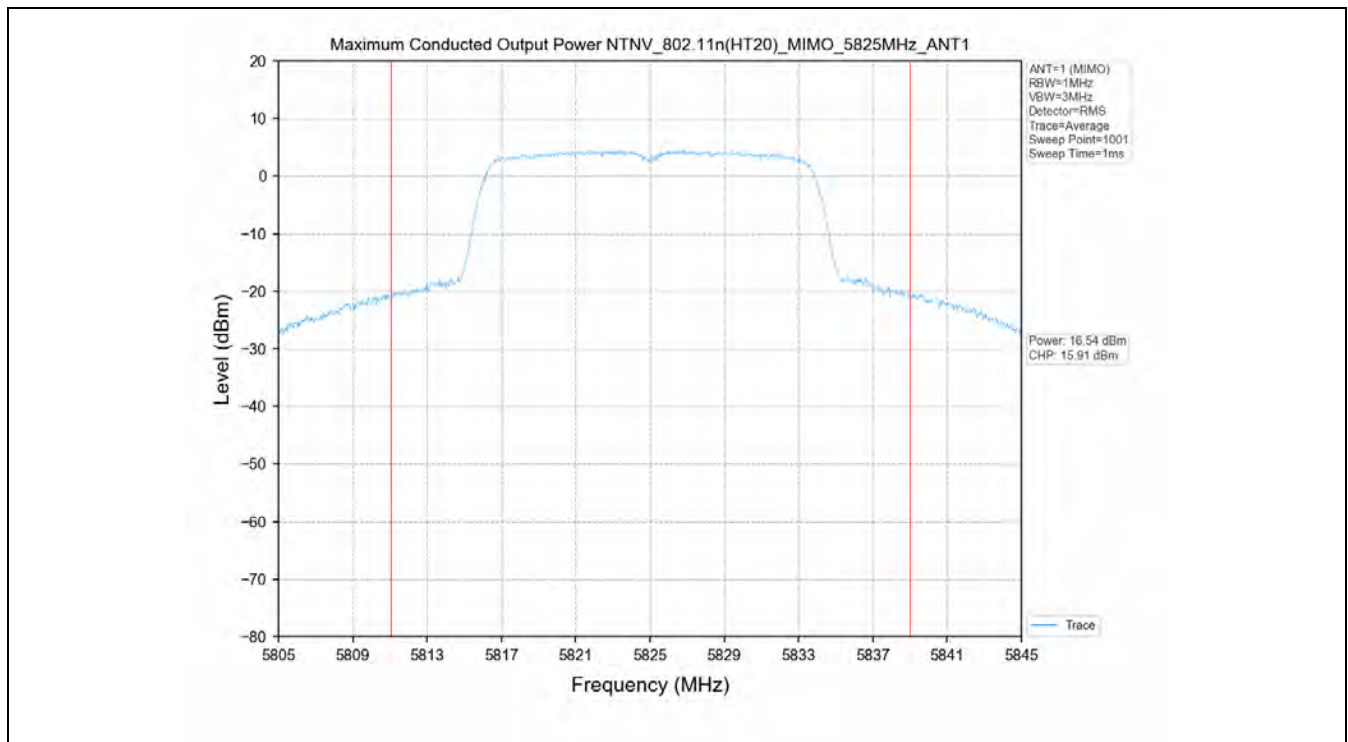
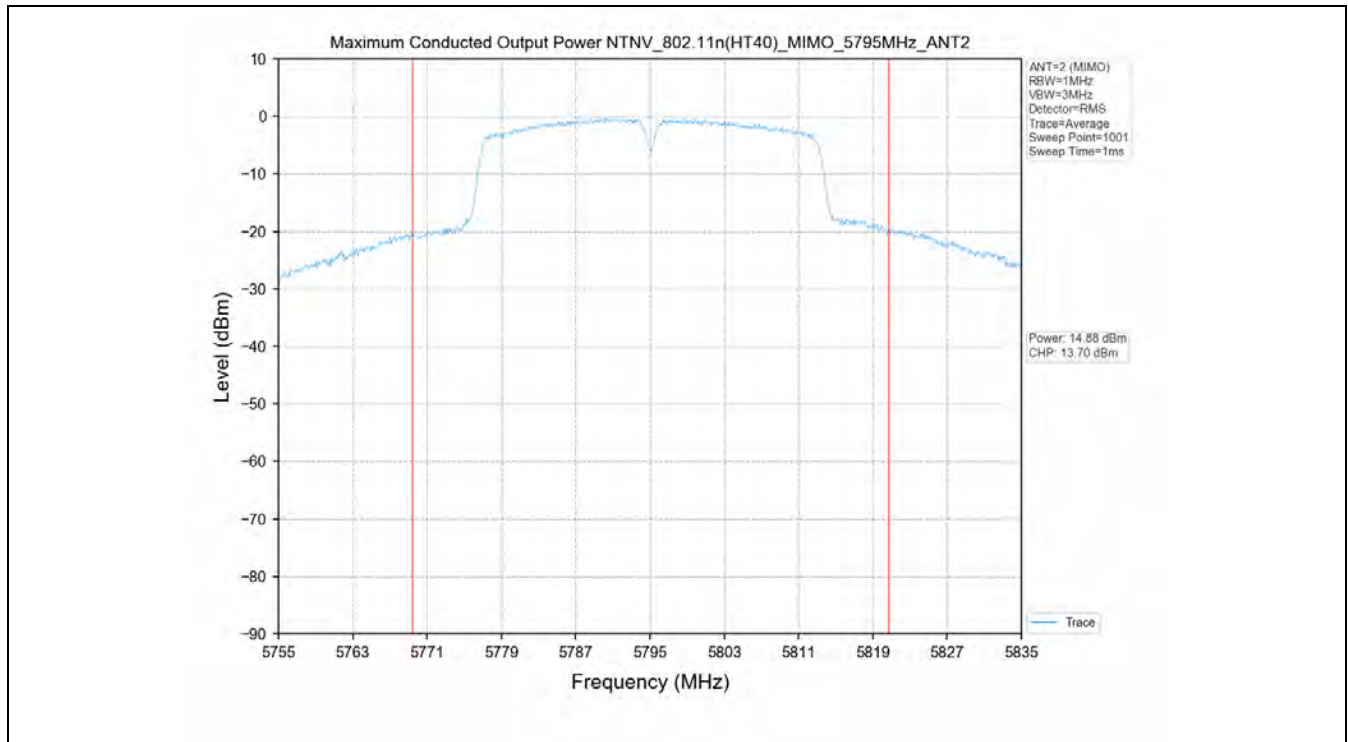


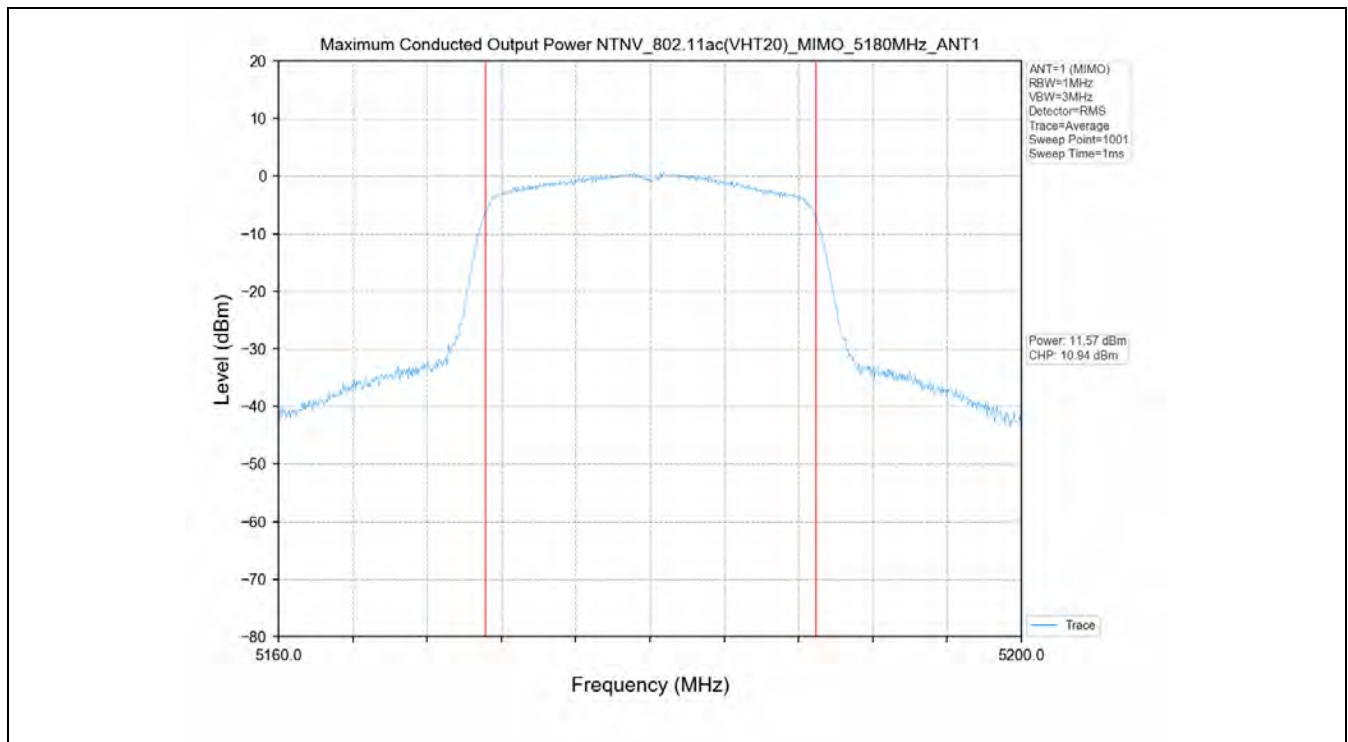
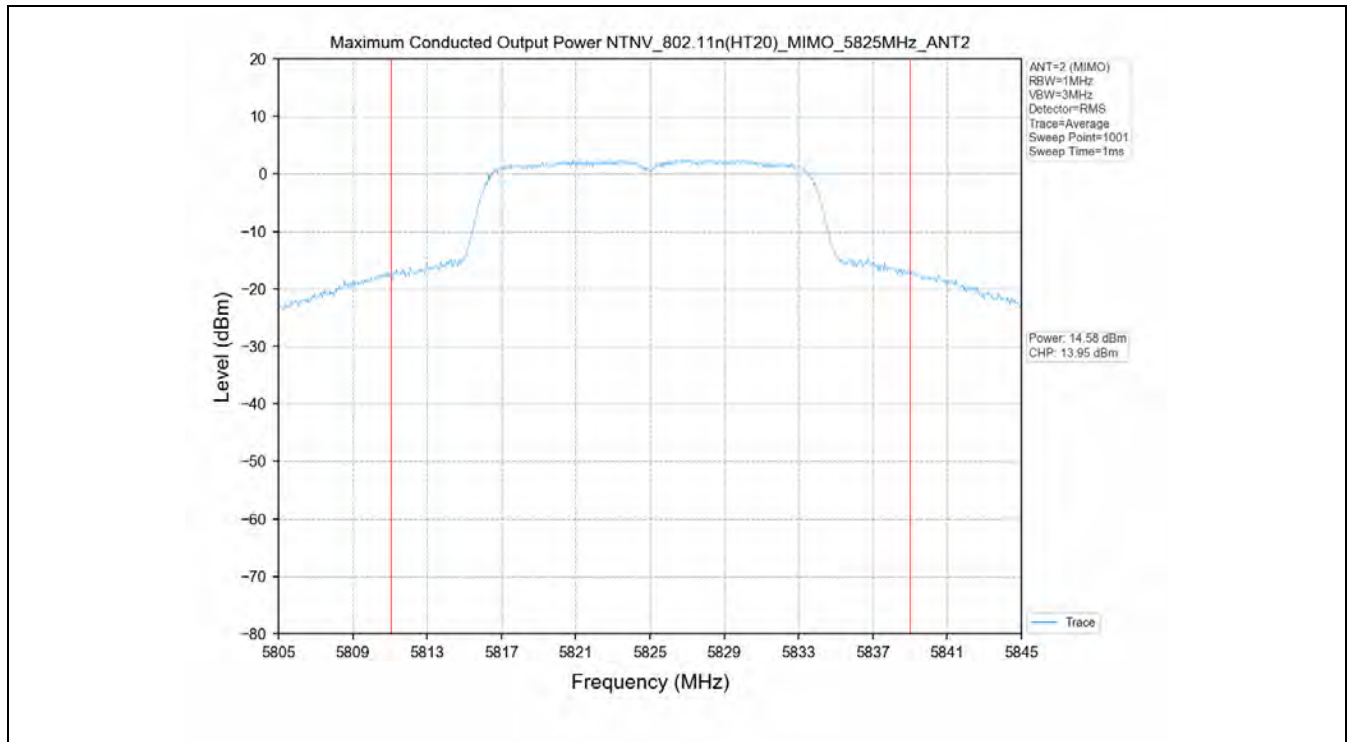


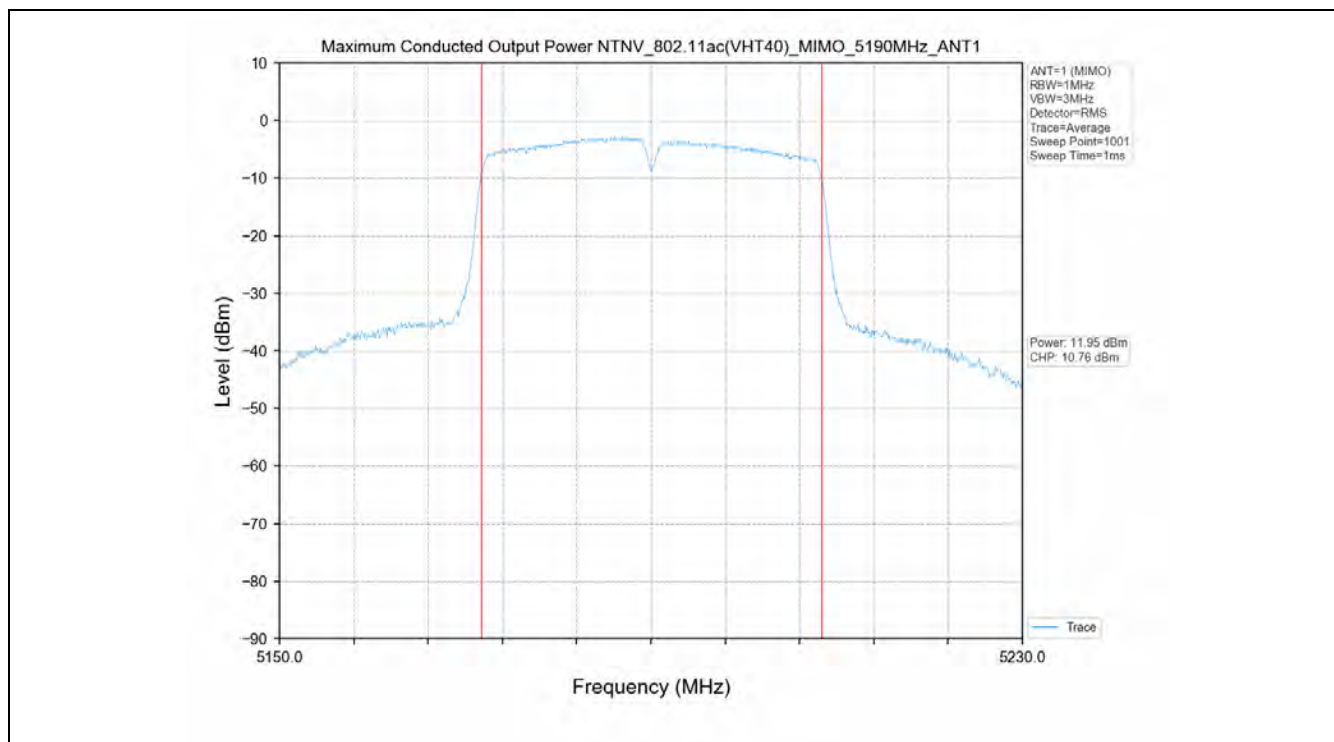
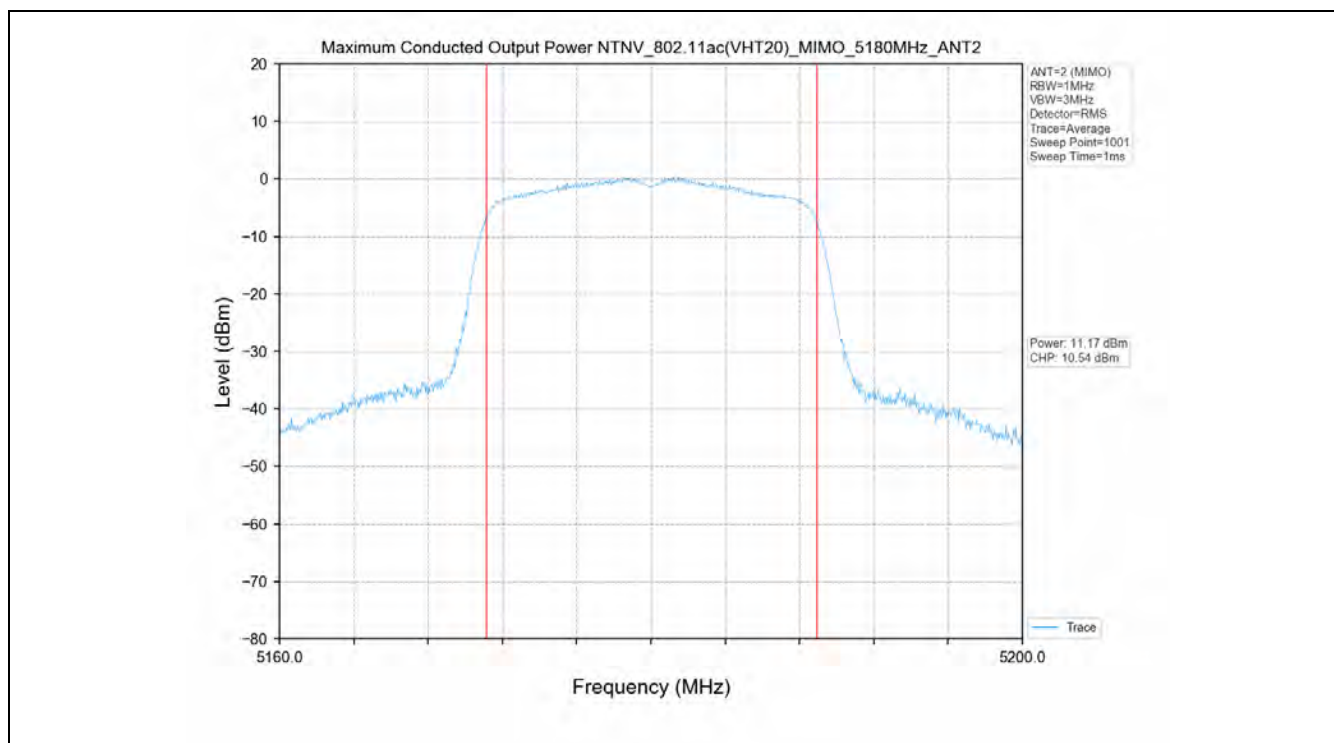


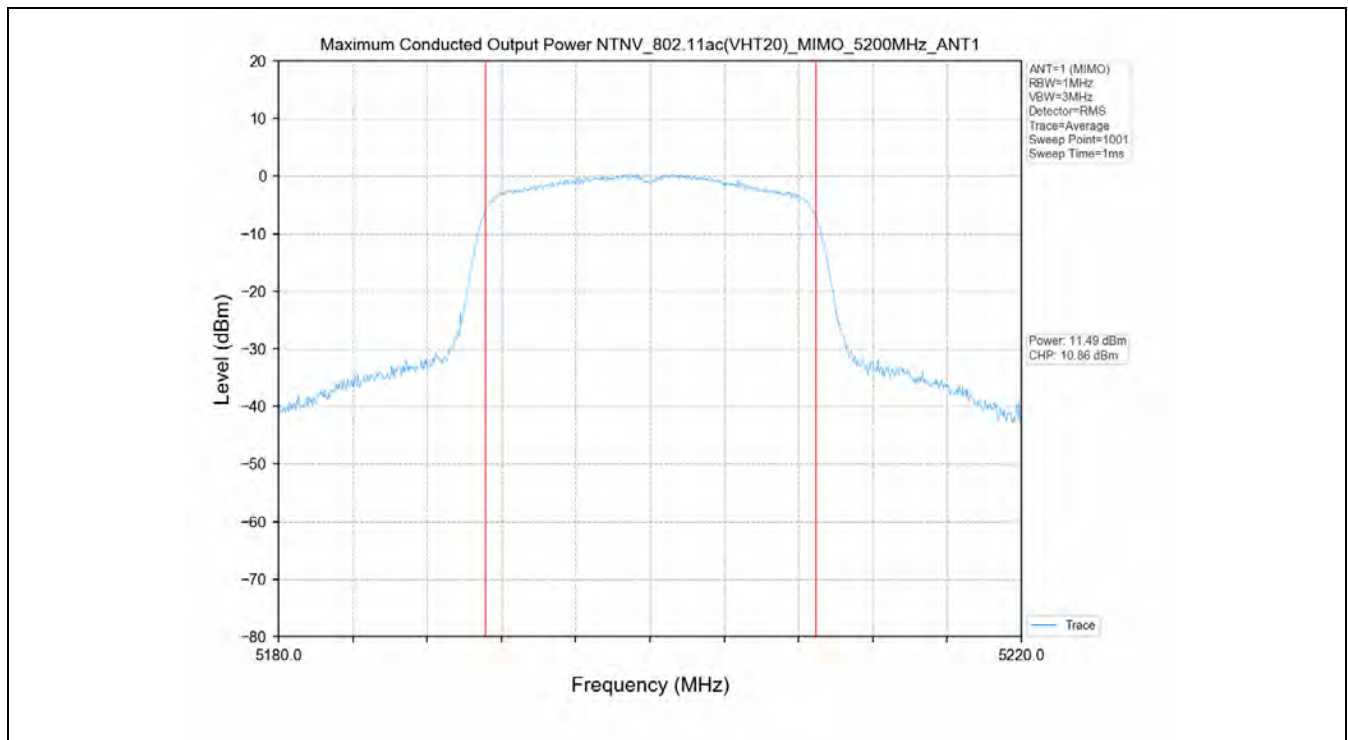
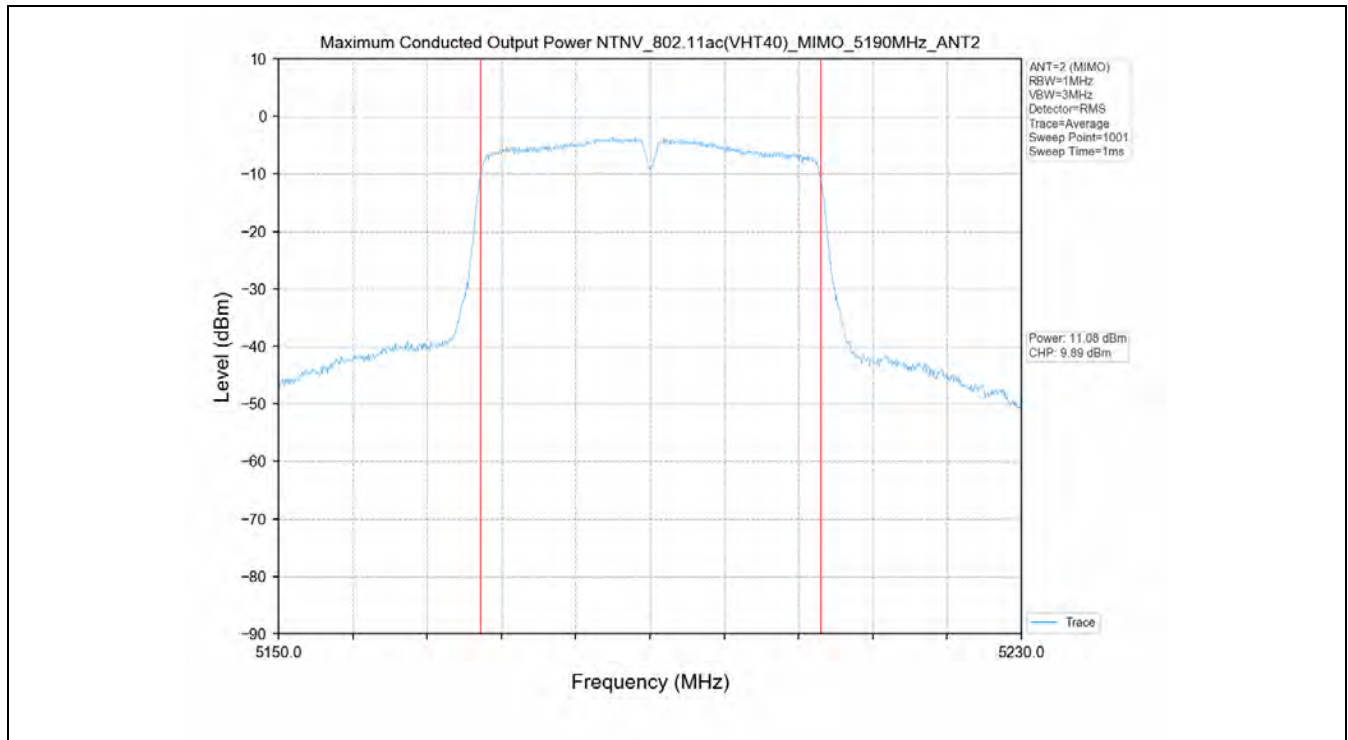


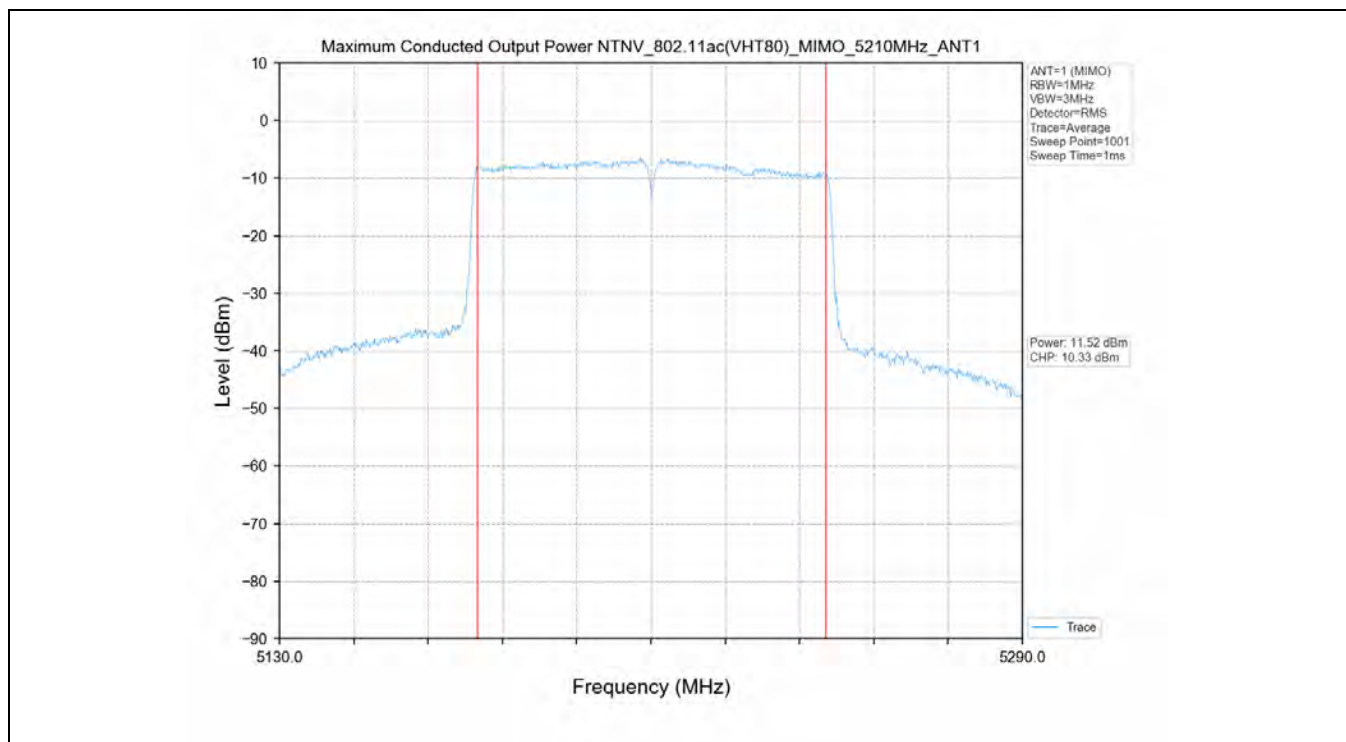
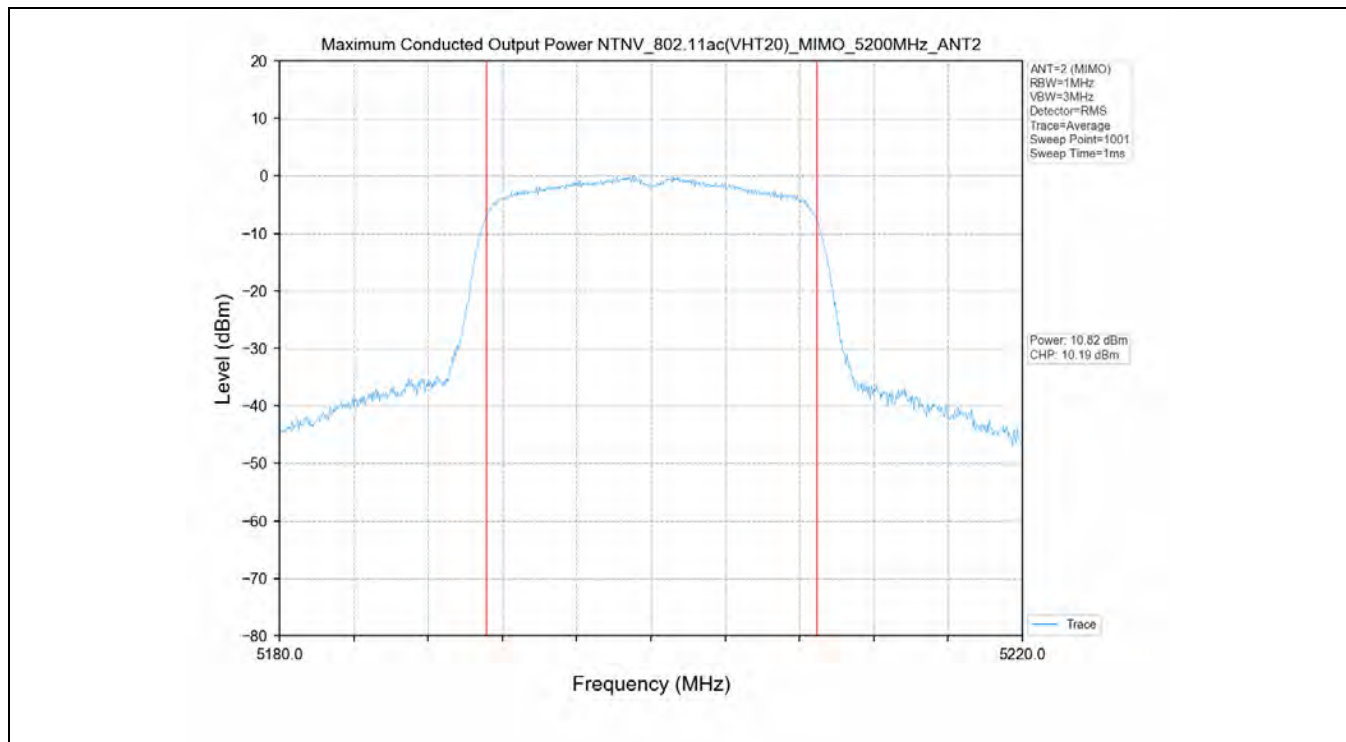


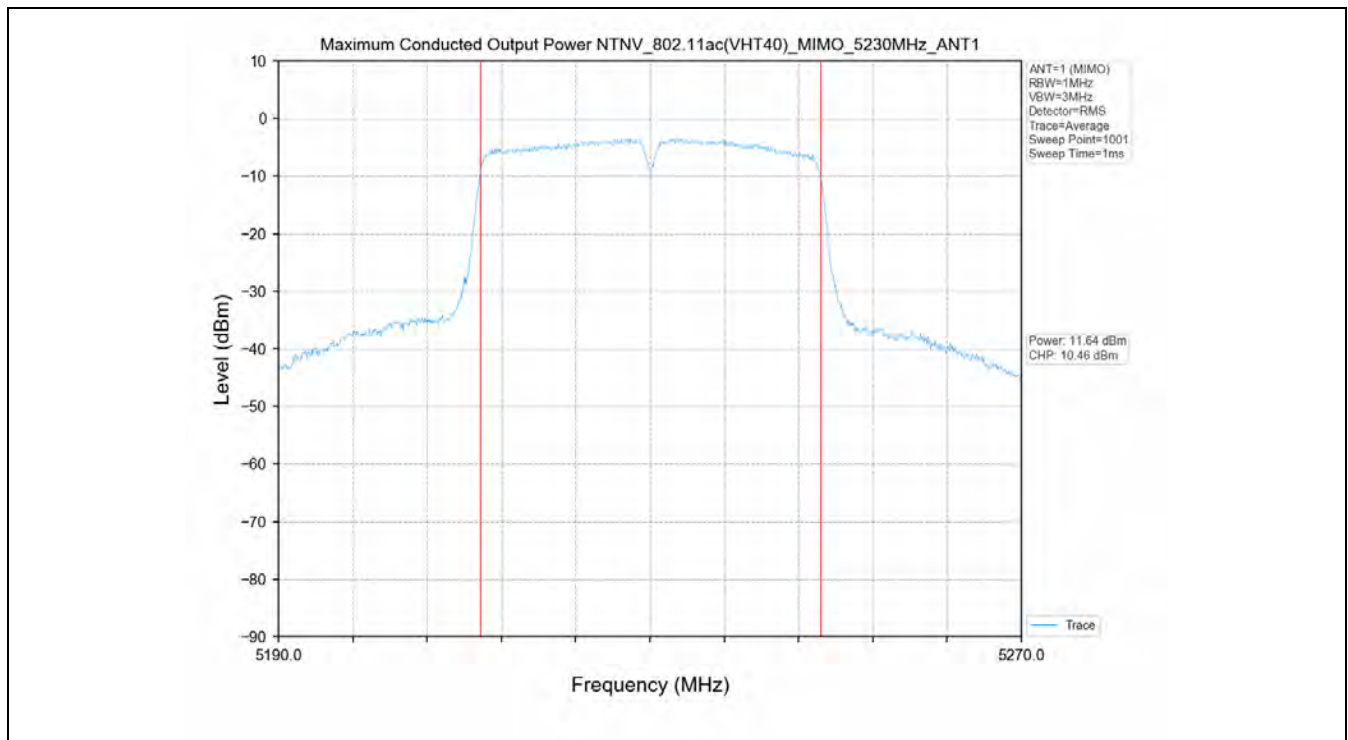
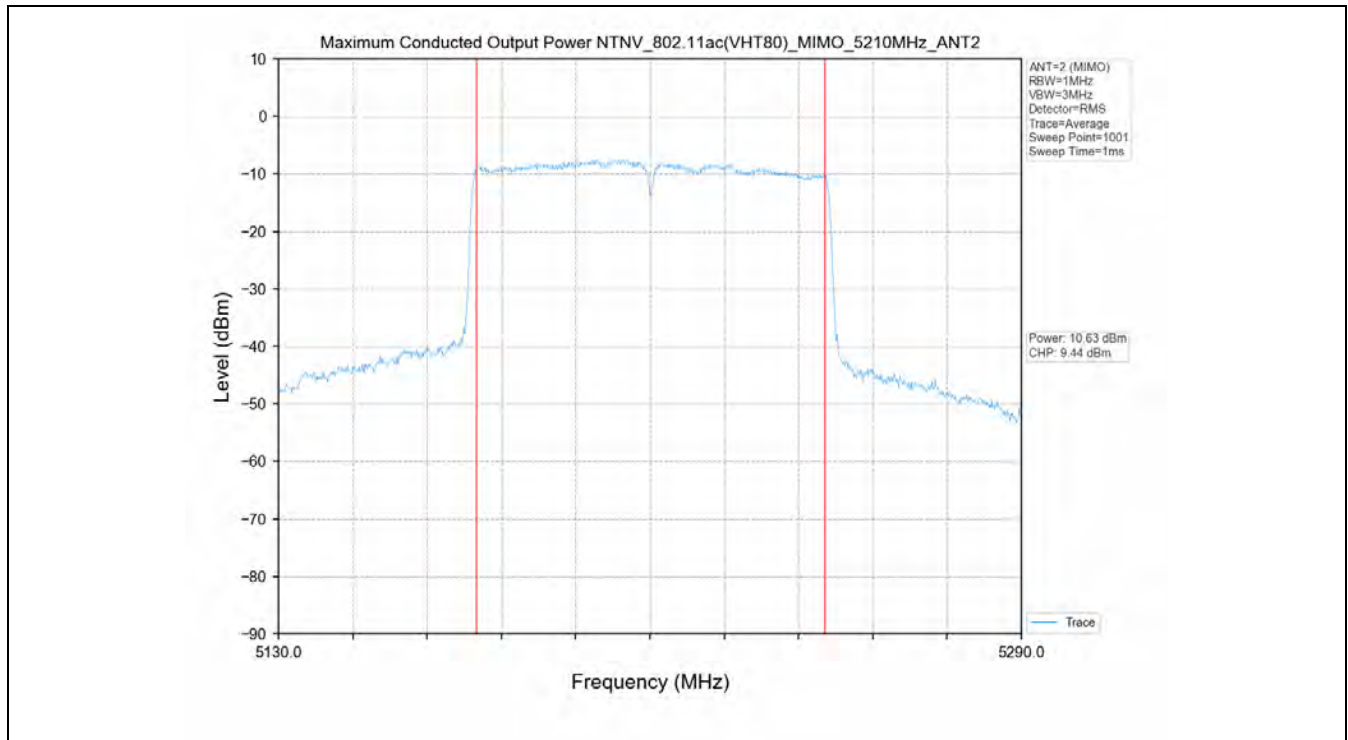


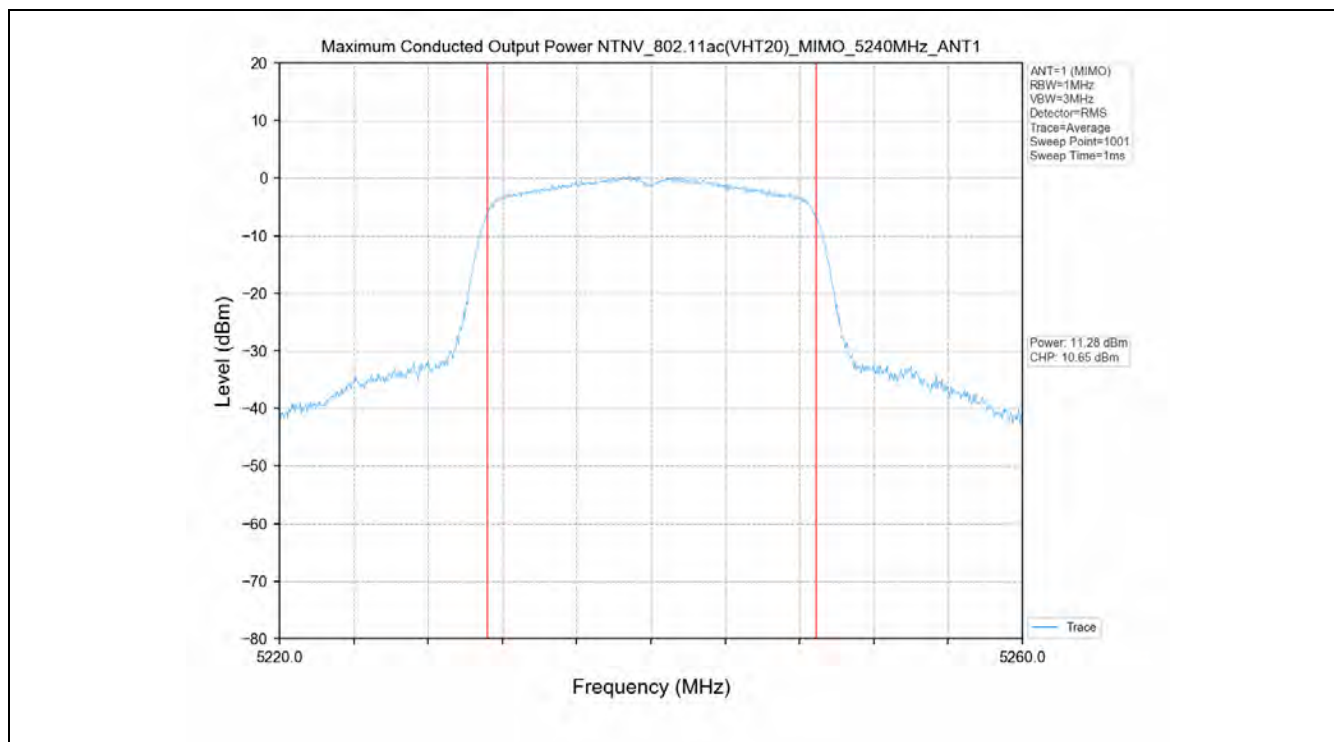
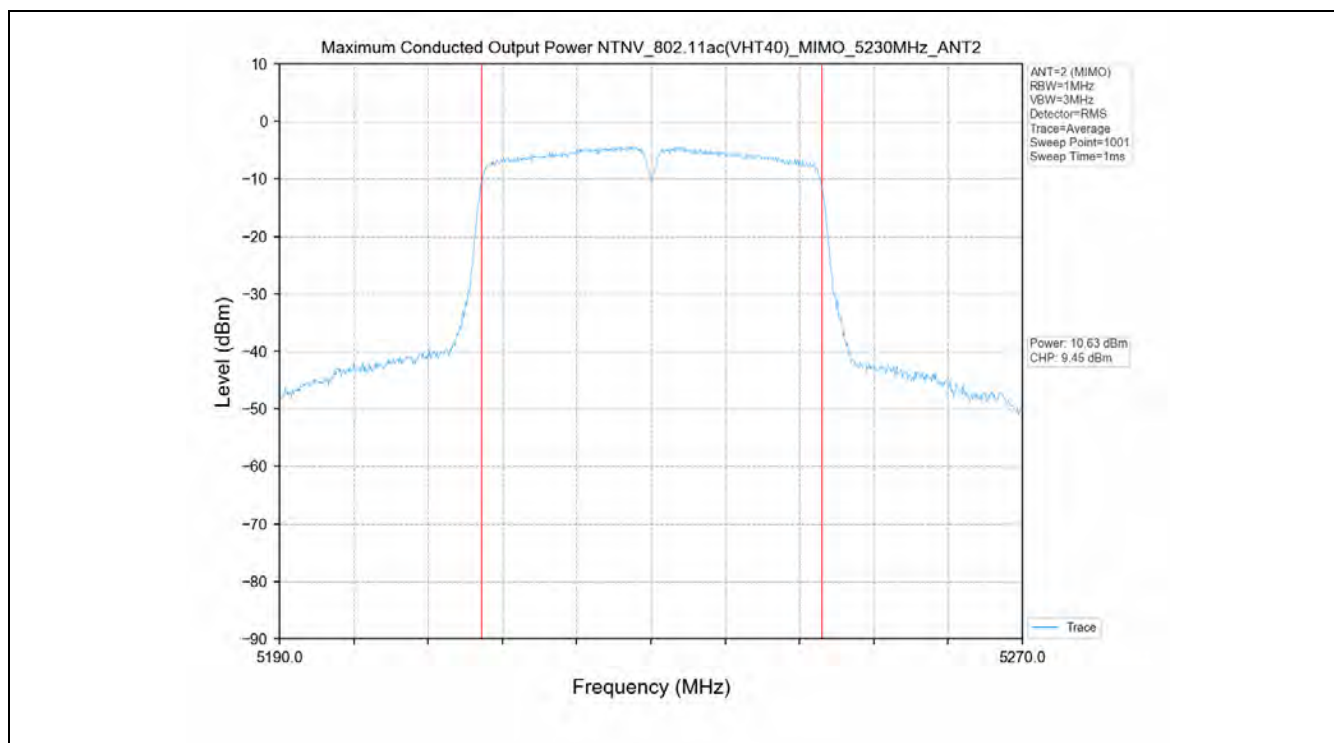


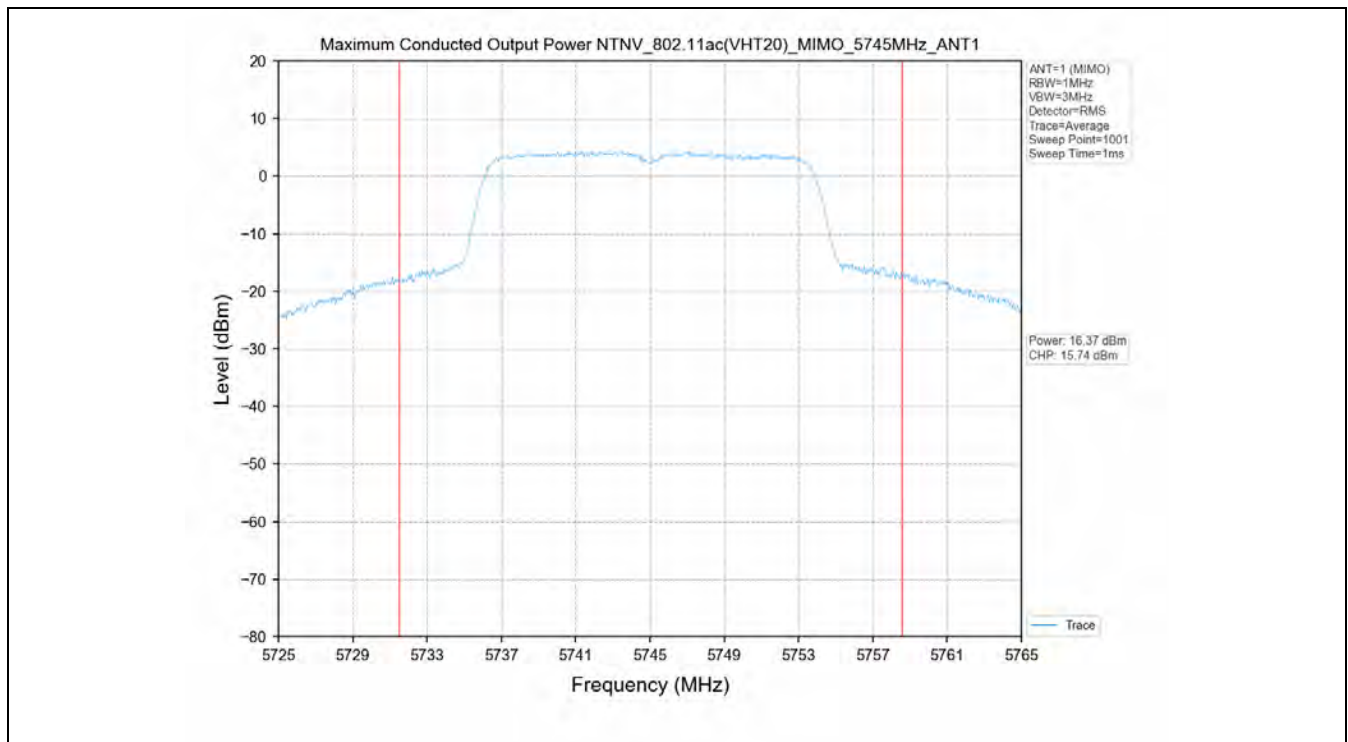
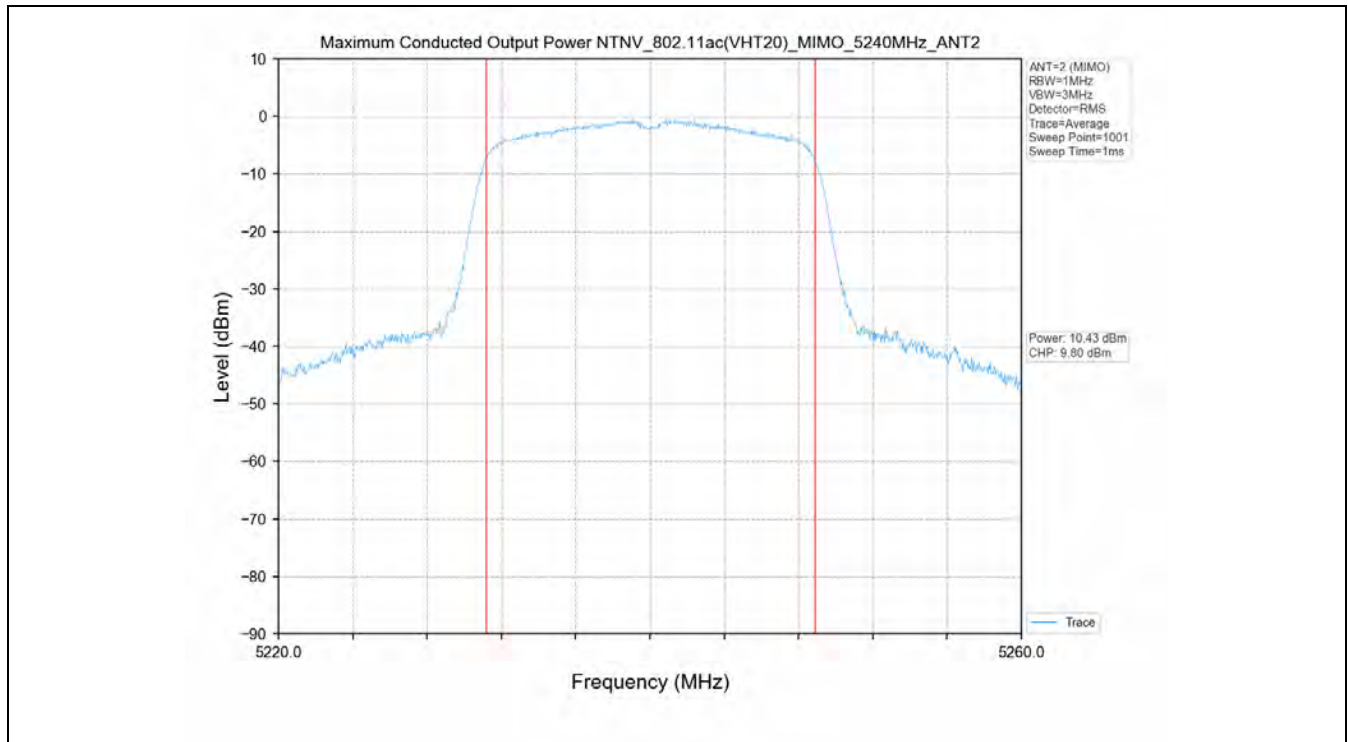


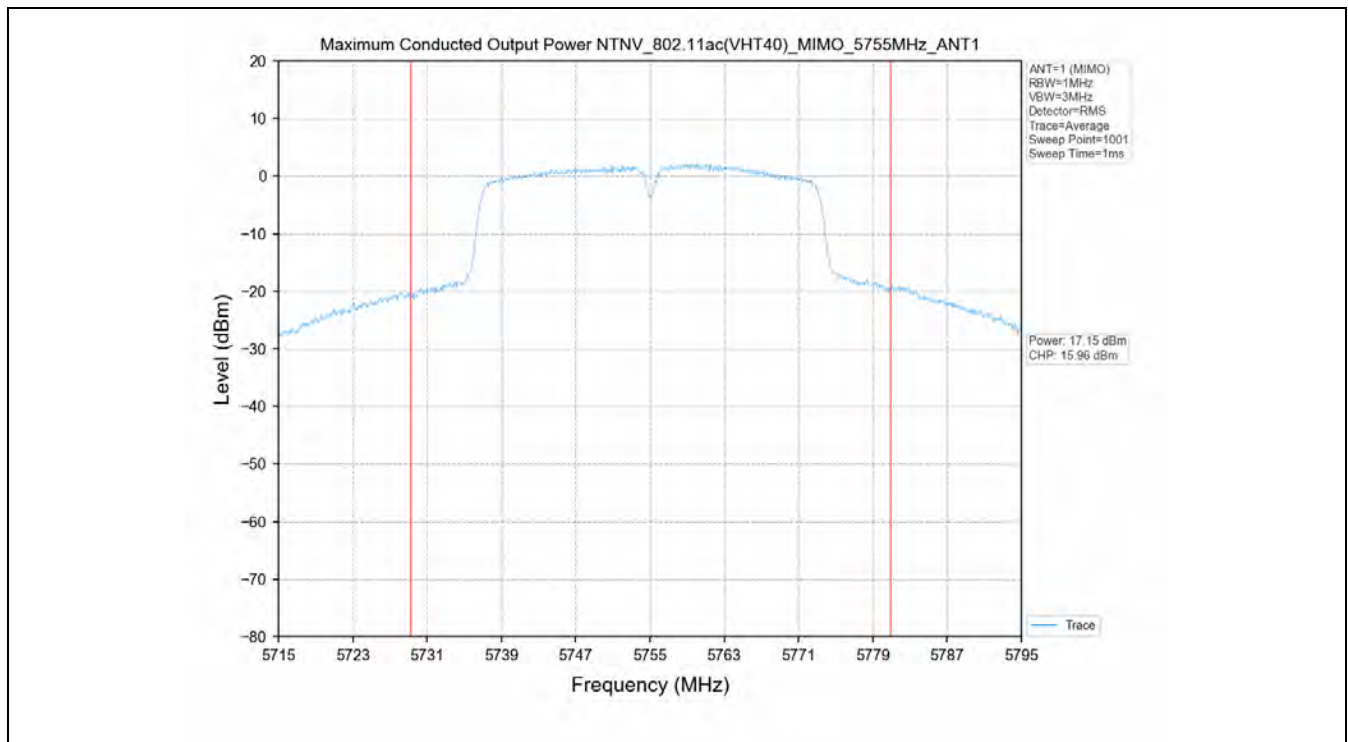
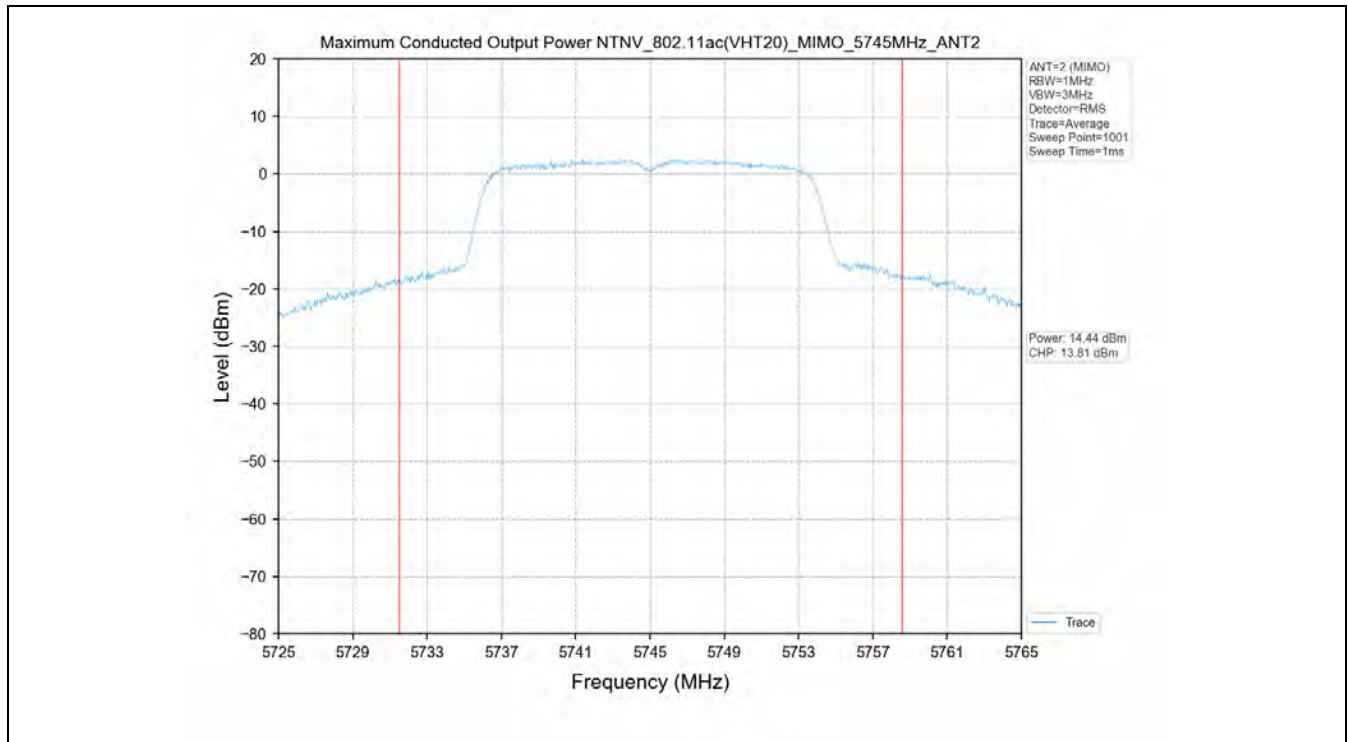


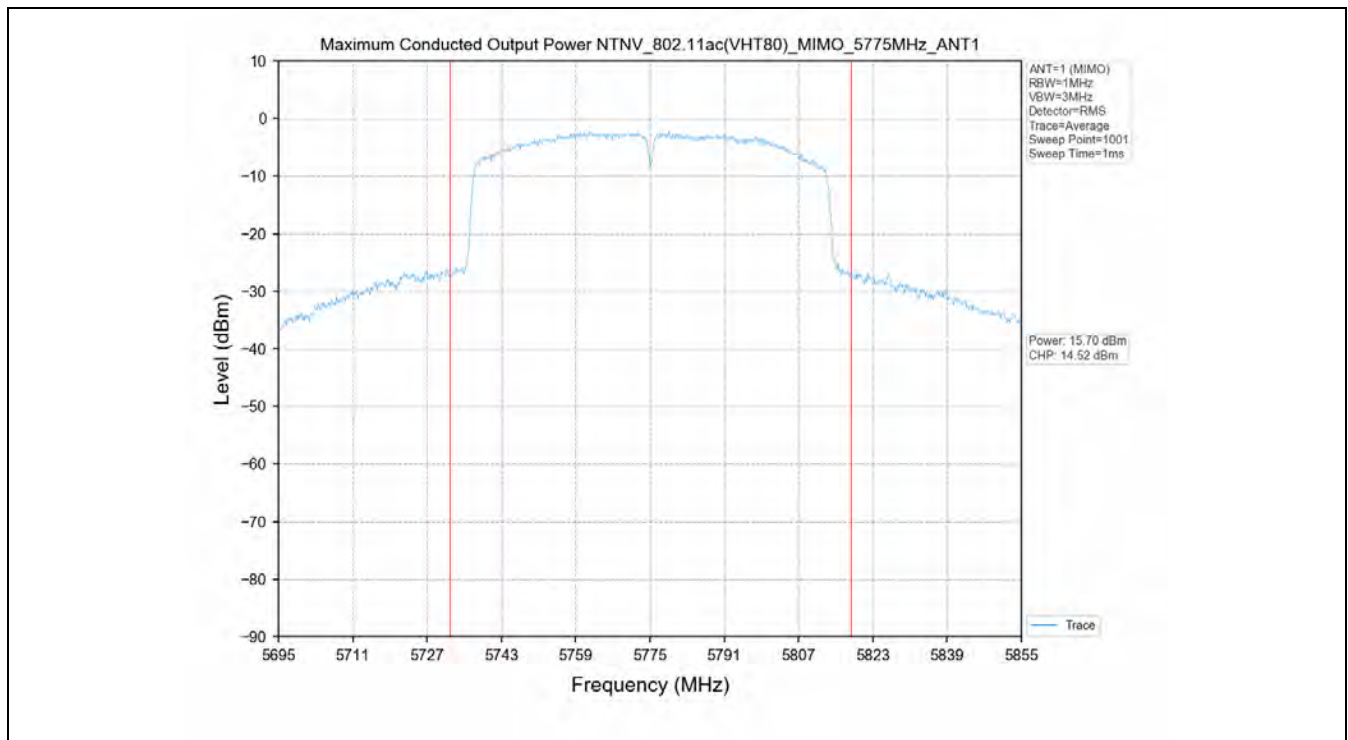
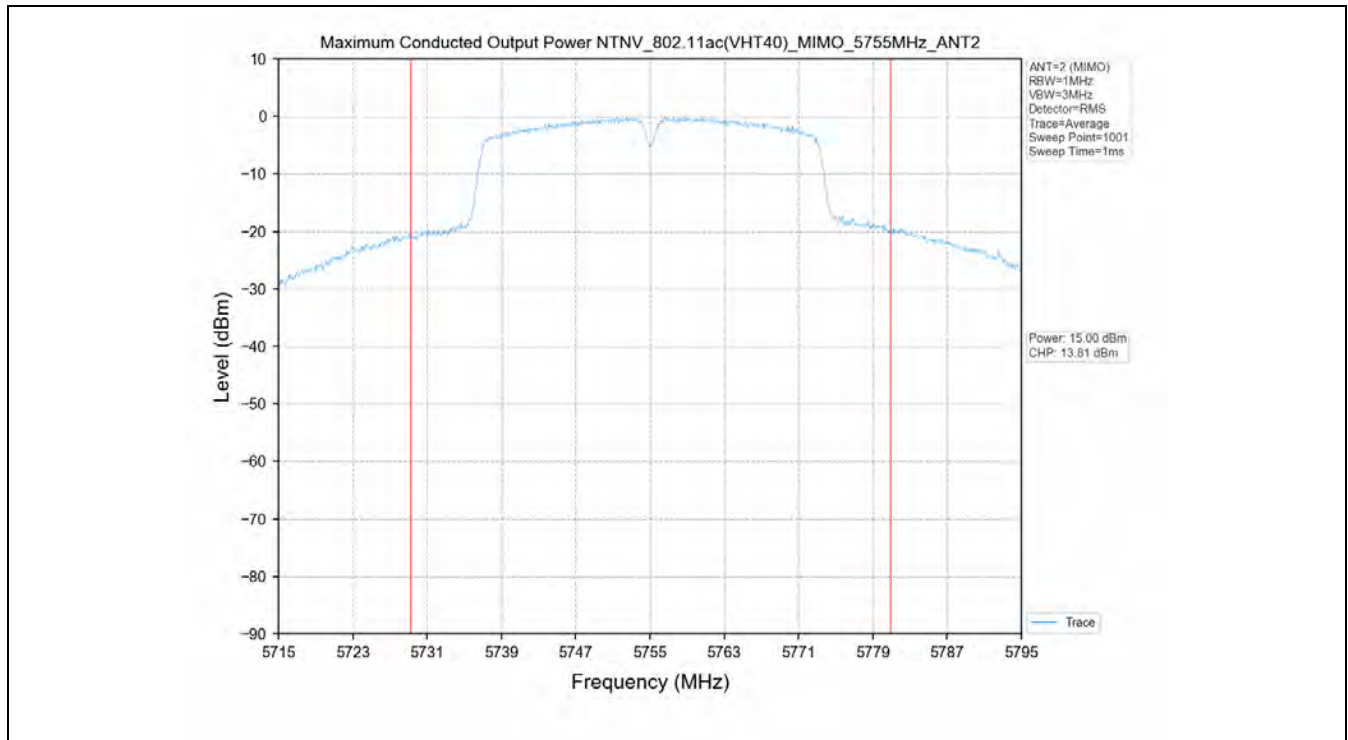


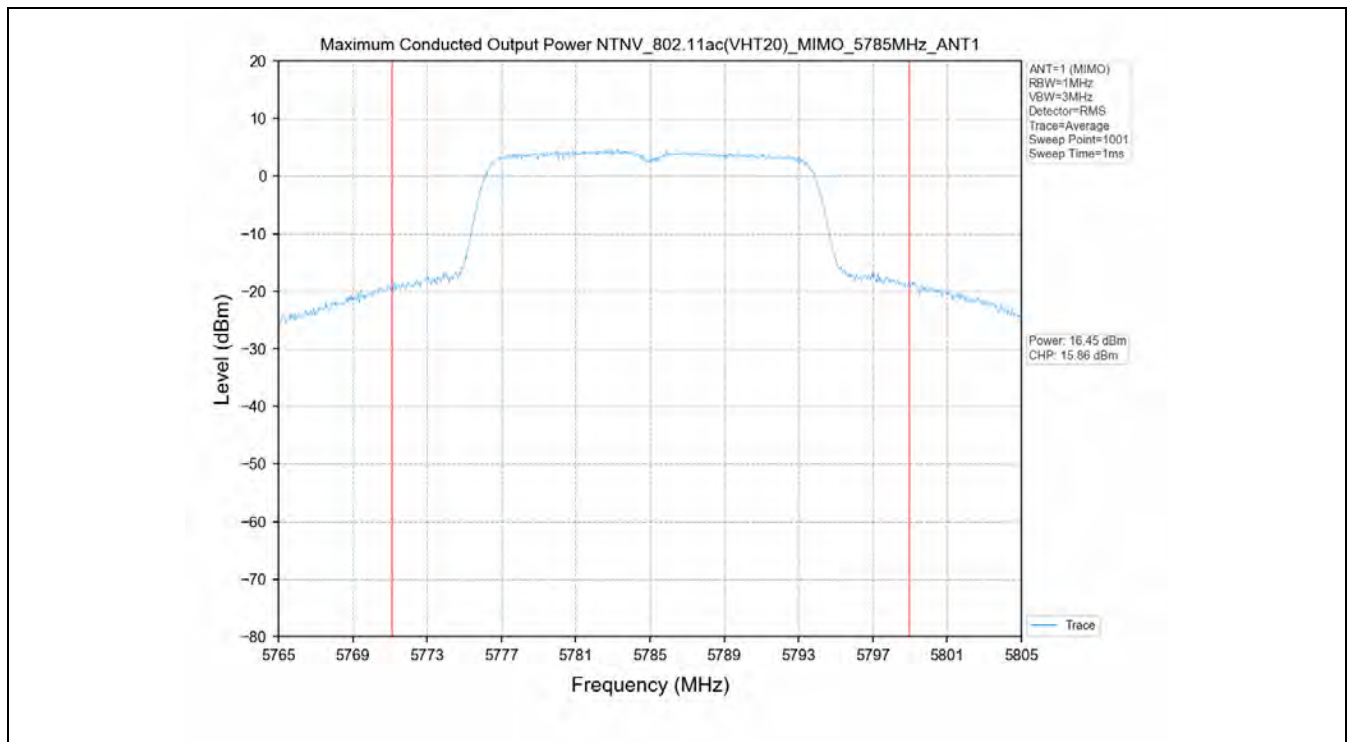
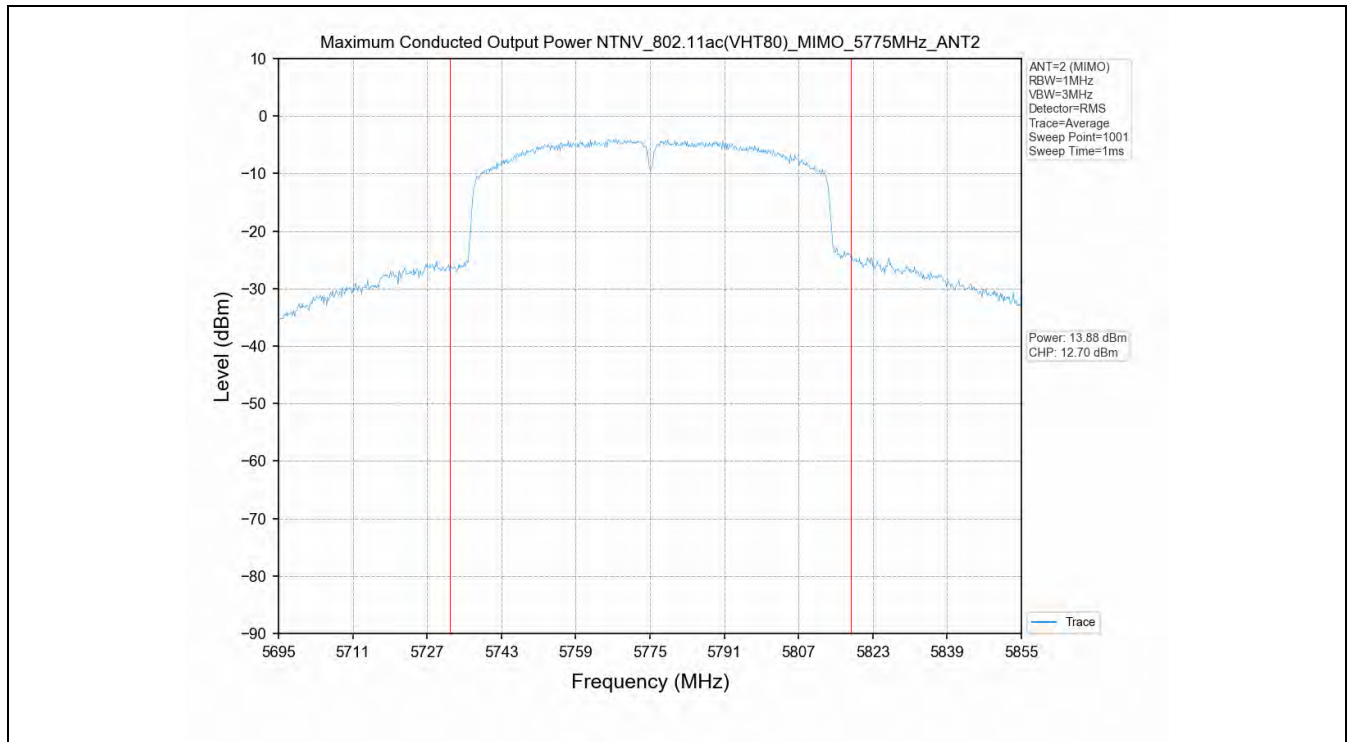


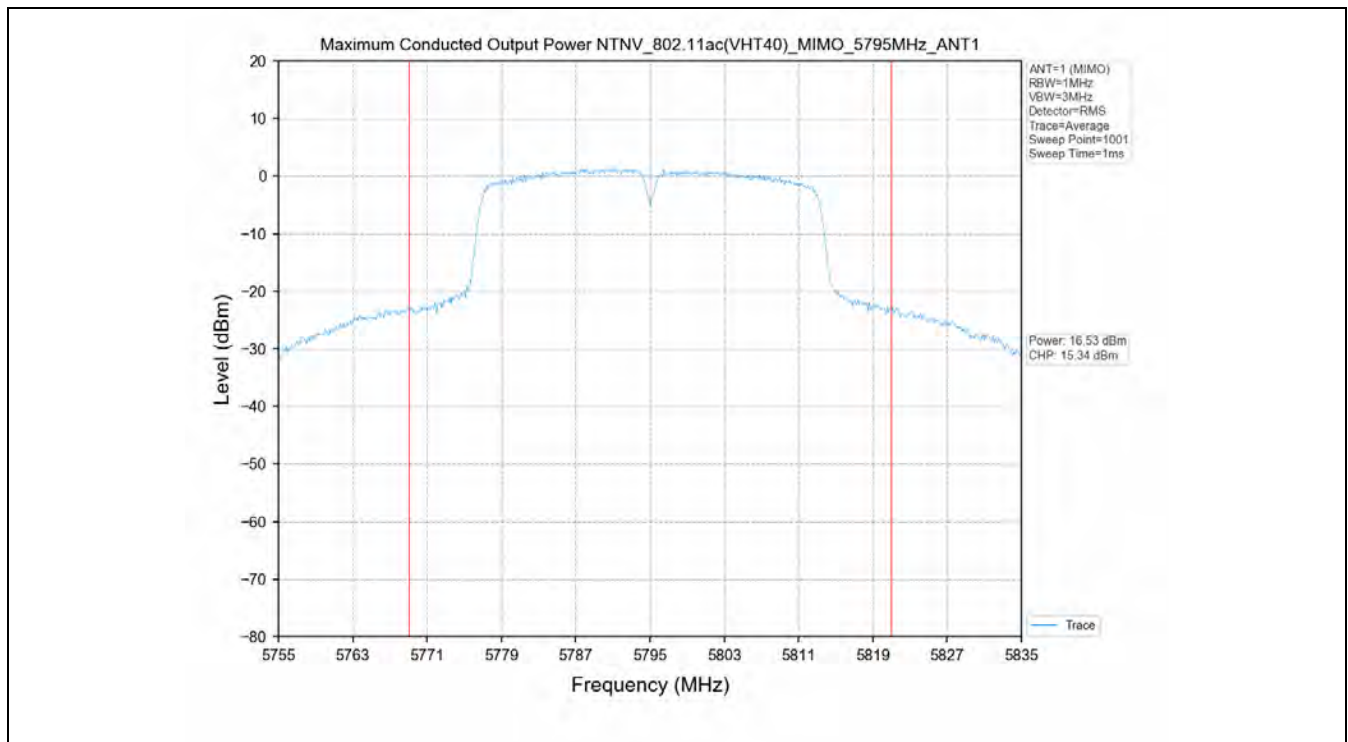
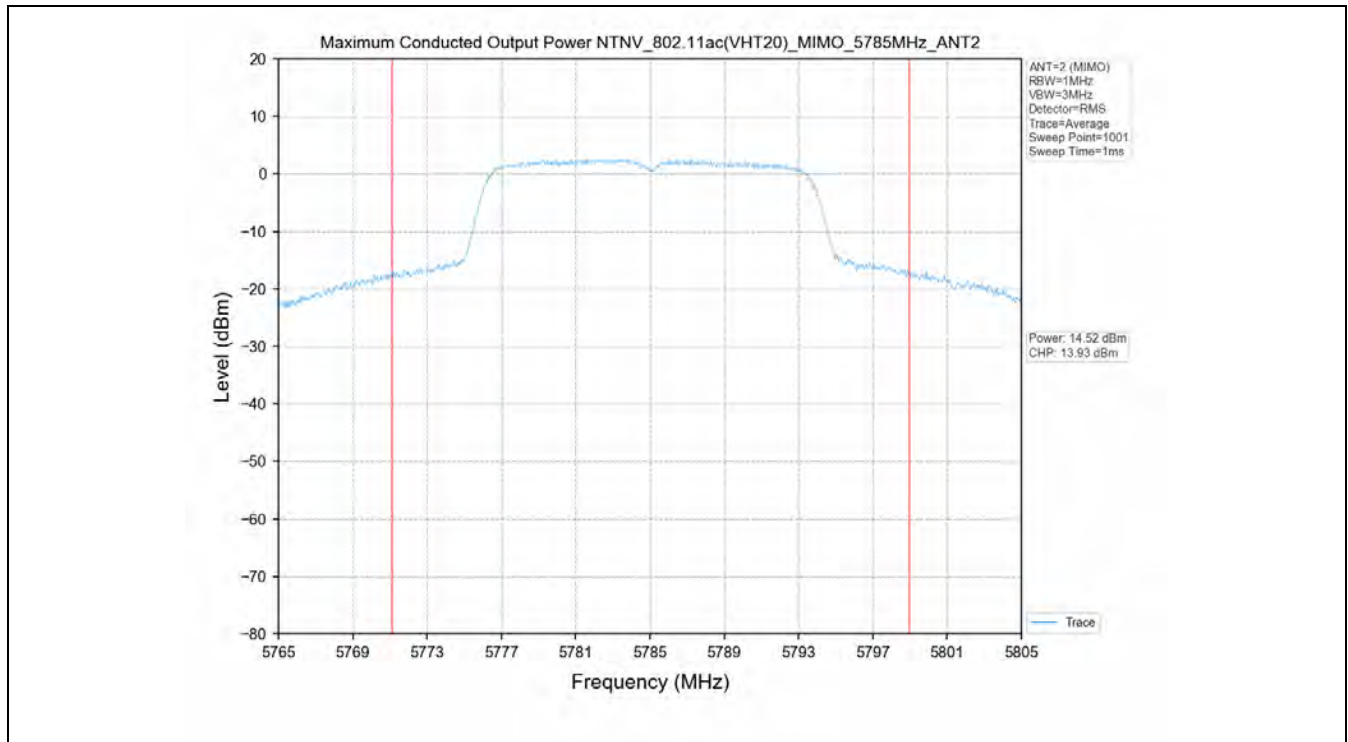


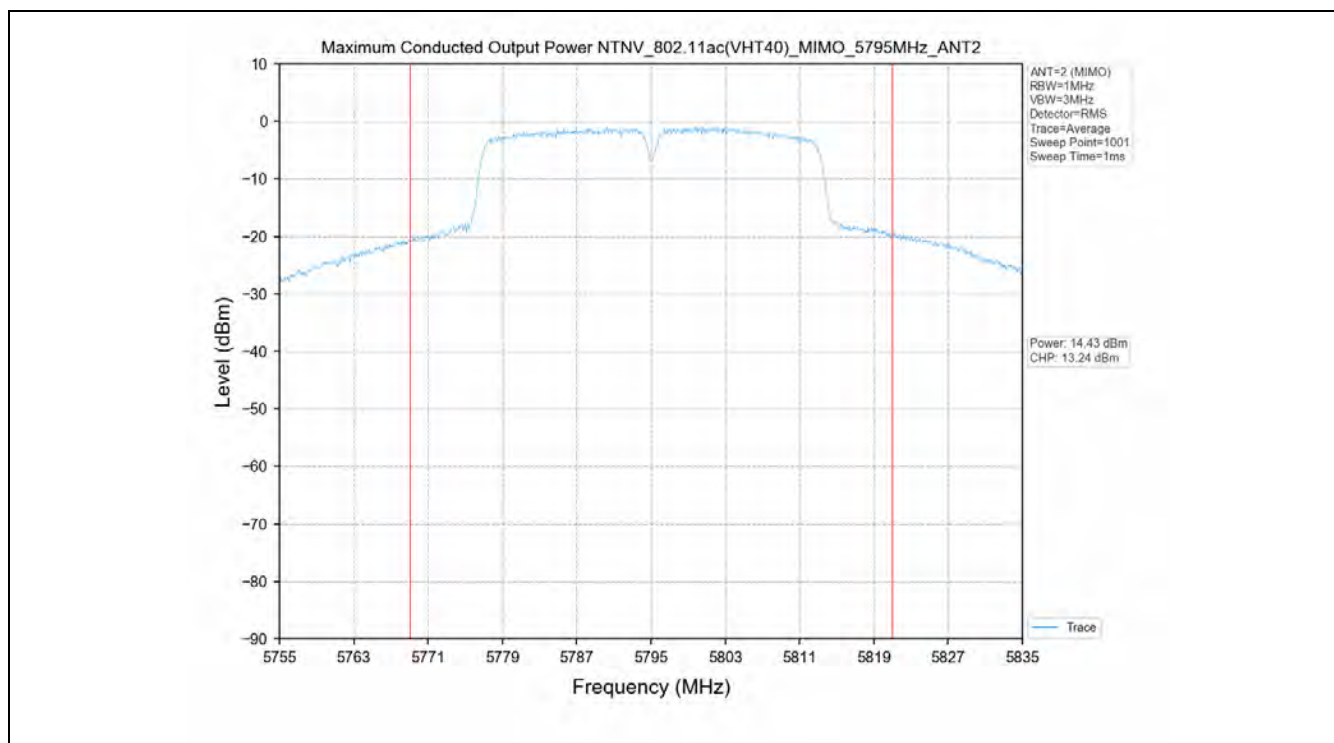


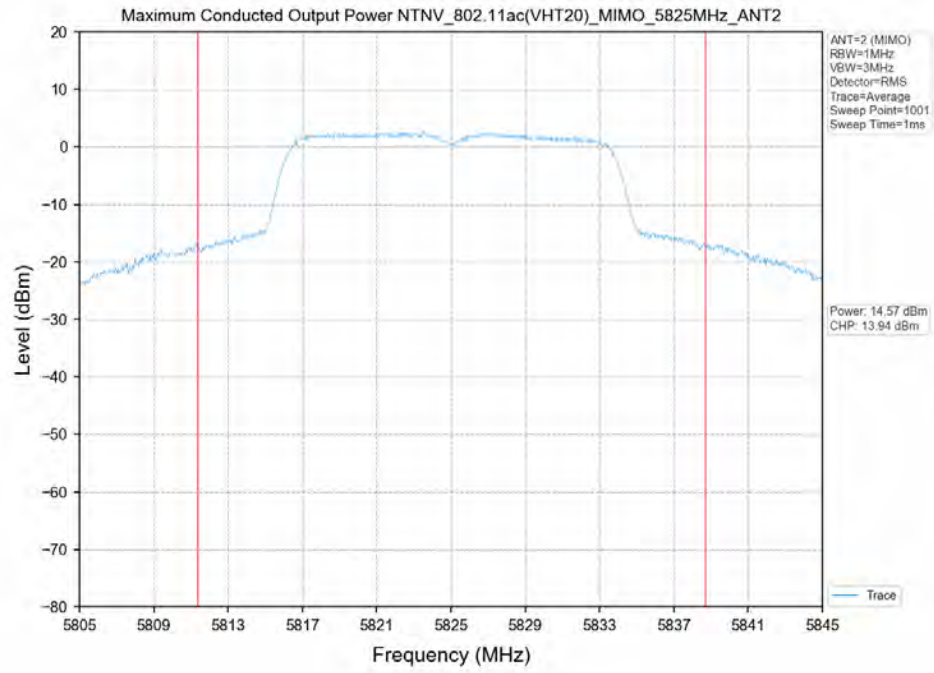














4. Maximum Power Spectral Density (PSD)

4.1 Maximum Power Spectral Density (PSD) for FCC

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)			Limits (dBm/MHz)	Verdict
			Ant 1	Ant 2	Total		
802.11a	5180	SISO	-1.30	-1.32	/	≤11	PASS
	5200	SISO	-1.62	-2.13	/	≤11	PASS
	5240	SISO	-2.22	-3.00	/	≤11	PASS
802.11n(HT20)	5180	MIMO	-1.12	-1.78	1.57	≤10.35	PASS
	5200	MIMO	-1.43	-2.22	1.20	≤10.35	PASS
	5240	MIMO	-2.27	-3.12	0.34	≤10.35	PASS
802.11n(HT40)	5190	MIMO	-5.13	-5.56	-2.33	≤10.35	PASS
	5230	MIMO	-4.62	-5.39	-1.98	≤10.35	PASS
802.11ac(VHT20)	5180	MIMO	-1.23	-1.69	1.56	≤10.35	PASS
	5200	MIMO	-1.42	-1.85	1.38	≤10.35	PASS
	5240	MIMO	-2.06	-2.90	0.55	≤10.35	PASS
802.11ac(VHT40)	5190	MIMO	-4.16	-4.75	-1.43	≤10.35	PASS
	5230	MIMO	-4.57	-5.54	-2.02	≤10.35	PASS
802.11ac(VHT80)	5210	MIMO	-7.33	-8.09	-4.68	≤10.35	PASS

Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)			Limits (dBm/500kHz)	Verdict
			Ant 1	Ant 2	Total		
802.11a	5745	SISO	3.19	0.79	/	≤30	PASS
	5785	SISO	2.89	1.28	/	≤30	PASS
	5825	SISO	3.16	1.24	/	≤30	PASS
802.11n(HT20)	5745	MIMO	2.22	0.22	4.34	≤29.35	PASS
	5785	MIMO	1.95	0.85	4.45	≤29.35	PASS
	5825	MIMO	2.41	0.38	4.52	≤29.35	PASS
802.11n(HT40)	5755	MIMO	0.22	-1.78	2.34	≤29.35	PASS
	5795	MIMO	-0.09	-2.18	2.00	≤29.35	PASS
802.11ac(VHT20)	5745	MIMO	2.64	0.46	4.70	≤29.35	PASS
	5785	MIMO	2.24	0.60	4.51	≤29.35	PASS
	5825	MIMO	2.39	0.68	4.63	≤29.35	PASS
802.11ac(VHT40)	5755	MIMO	0.32	-1.73	2.43	≤29.35	PASS
	5795	MIMO	-0.38	-2.01	1.89	≤29.35	PASS
802.11ac(VHT80)	5775	MIMO	-4.52	-6.31	-2.31	≤29.35	PASS

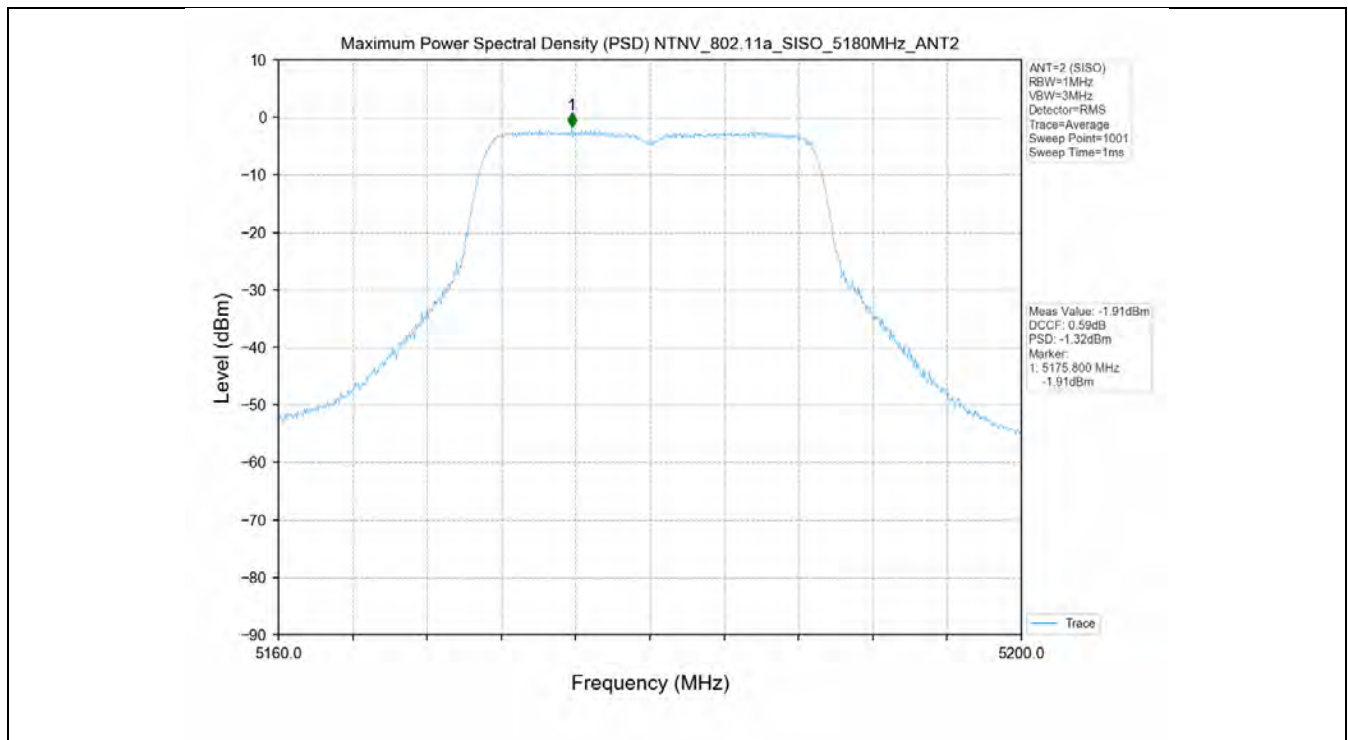
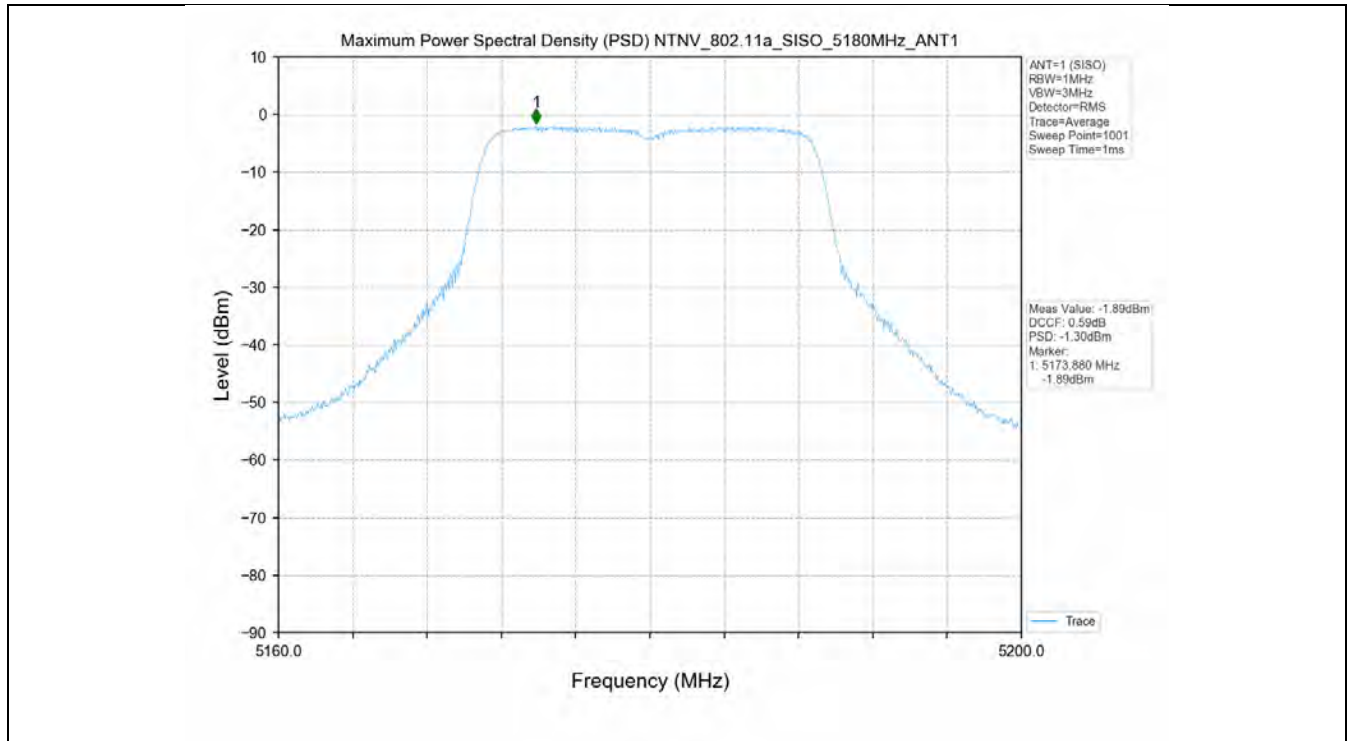


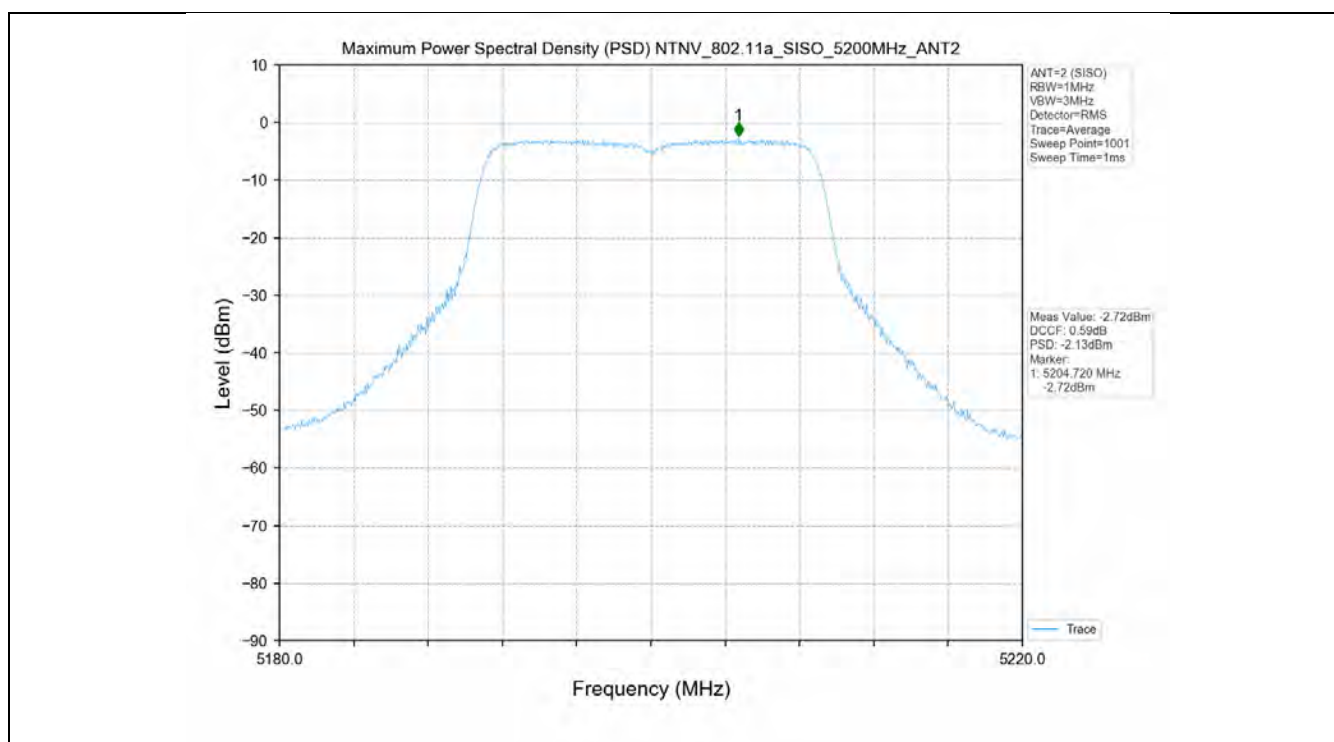
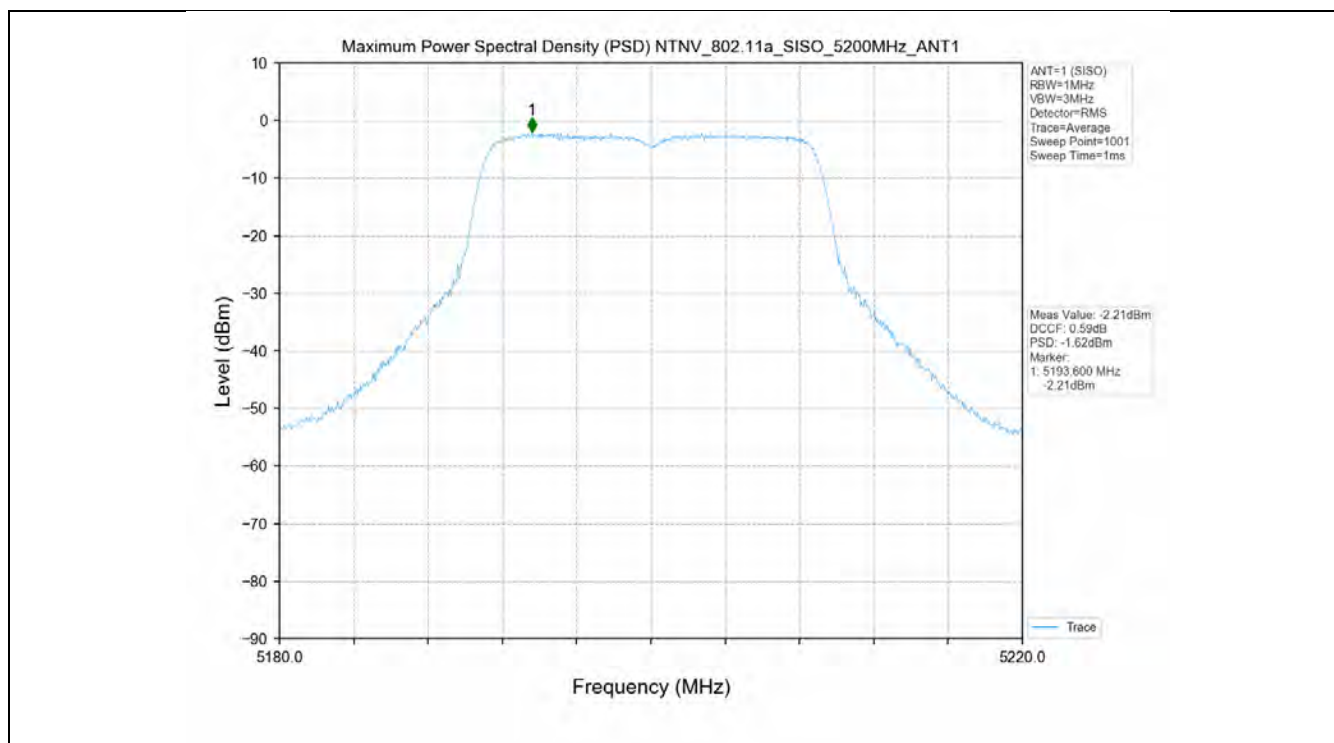
4.2 Maximum Power Spectral Density (PSD) for IC

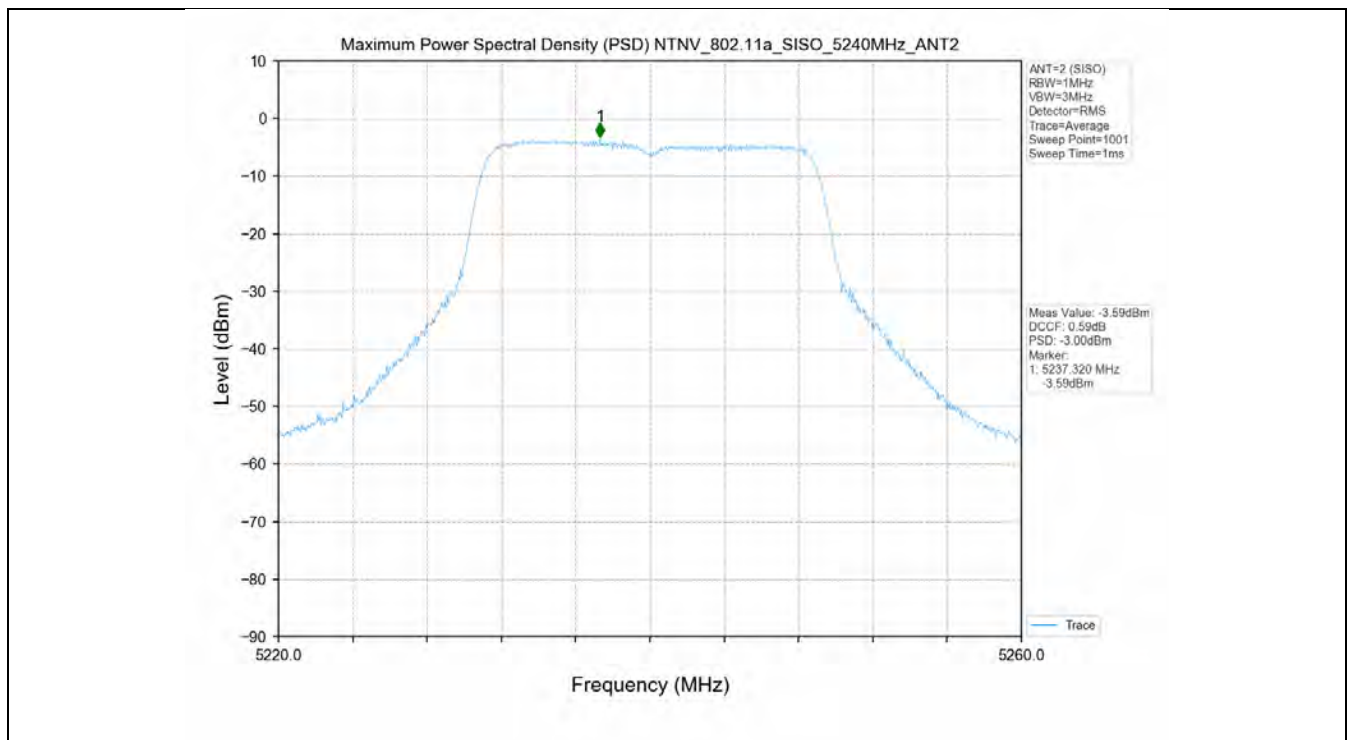
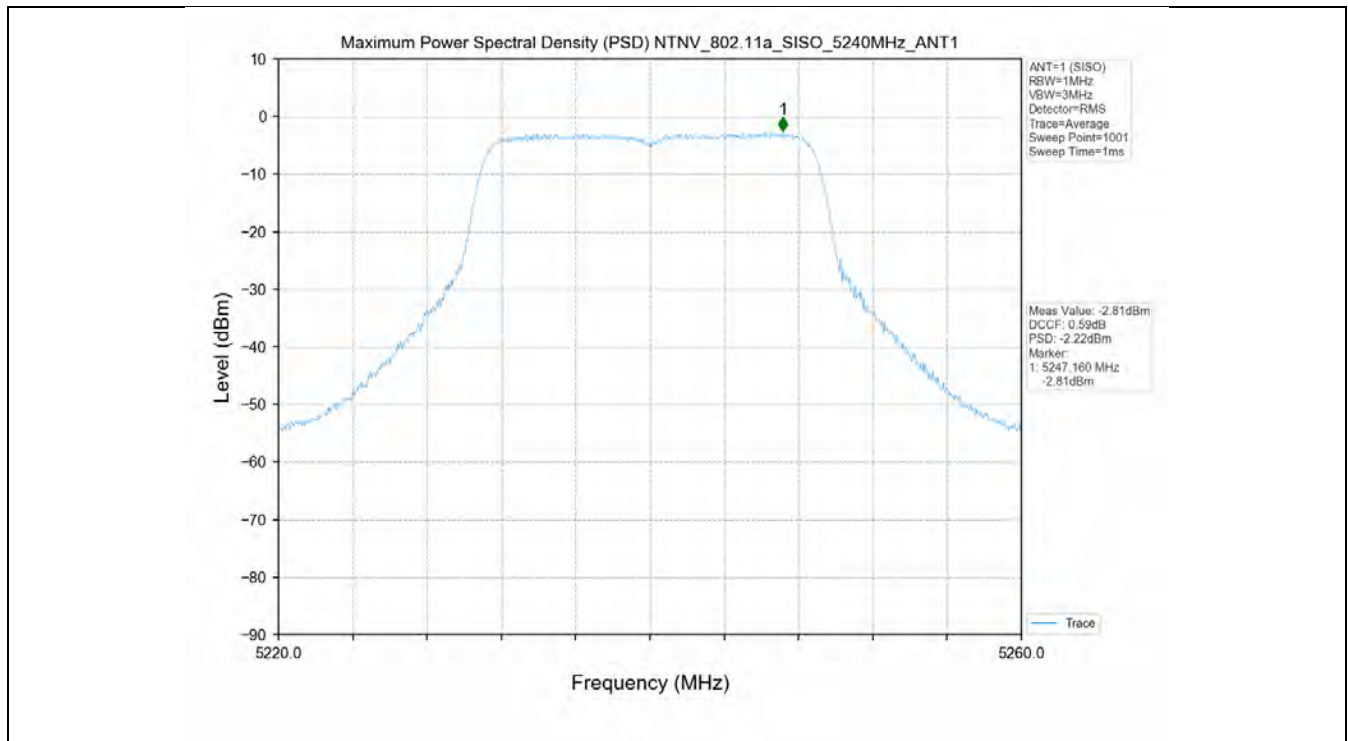
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/MHz)			Maximum EIRP Power Spectral Density (dBm/MHz)			Limits (dBm/MHz)	Verdict
			Ant 1	Ant 2	Total	Ant 1	Ant 2	Total		
802.11a	5180	SISO	-1.30	-1.32	/	2.71	1.94	/	≤10	PASS
	5200	SISO	-1.62	-2.13	/	2.39	1.13	/	≤10	PASS
	5240	SISO	-2.22	-3.00	/	1.79	0.26	/	≤10	PASS
802.11n (HT20)	5180	MIMO	-1.12	-1.78	1.57	5.53	4.87	8.22	≤9.35	PASS
	5200	MIMO	-1.43	-2.22	1.20	5.22	4.43	7.85	≤9.35	PASS
	5240	MIMO	-2.27	-3.12	0.34	4.38	3.53	6.99	≤9.35	PASS
802.11n (HT40)	5190	MIMO	-5.13	-5.56	-2.33	1.52	1.09	4.32	≤9.35	PASS
	5230	MIMO	-4.62	-5.39	-1.98	2.03	1.26	4.67	≤9.35	PASS
802.11ac (VHT20)	5180	MIMO	-1.23	-1.69	1.56	5.42	4.96	8.21	≤9.35	PASS
	5200	MIMO	-1.42	-1.85	1.38	5.23	4.8	8.03	≤9.35	PASS
	5240	MIMO	-2.06	-2.90	0.55	4.59	3.75	7.20	≤9.35	PASS
802.11ac (VHT40)	5190	MIMO	-4.16	-4.75	-1.43	2.49	1.9	5.22	≤9.35	PASS
	5230	MIMO	-4.57	-5.54	-2.02	2.08	1.11	4.63	≤9.35	PASS
802.11ac (VHT80)	5210	MIMO	-7.33	-8.09	-4.68	-0.68	-1.44	1.97	≤9.35	PASS

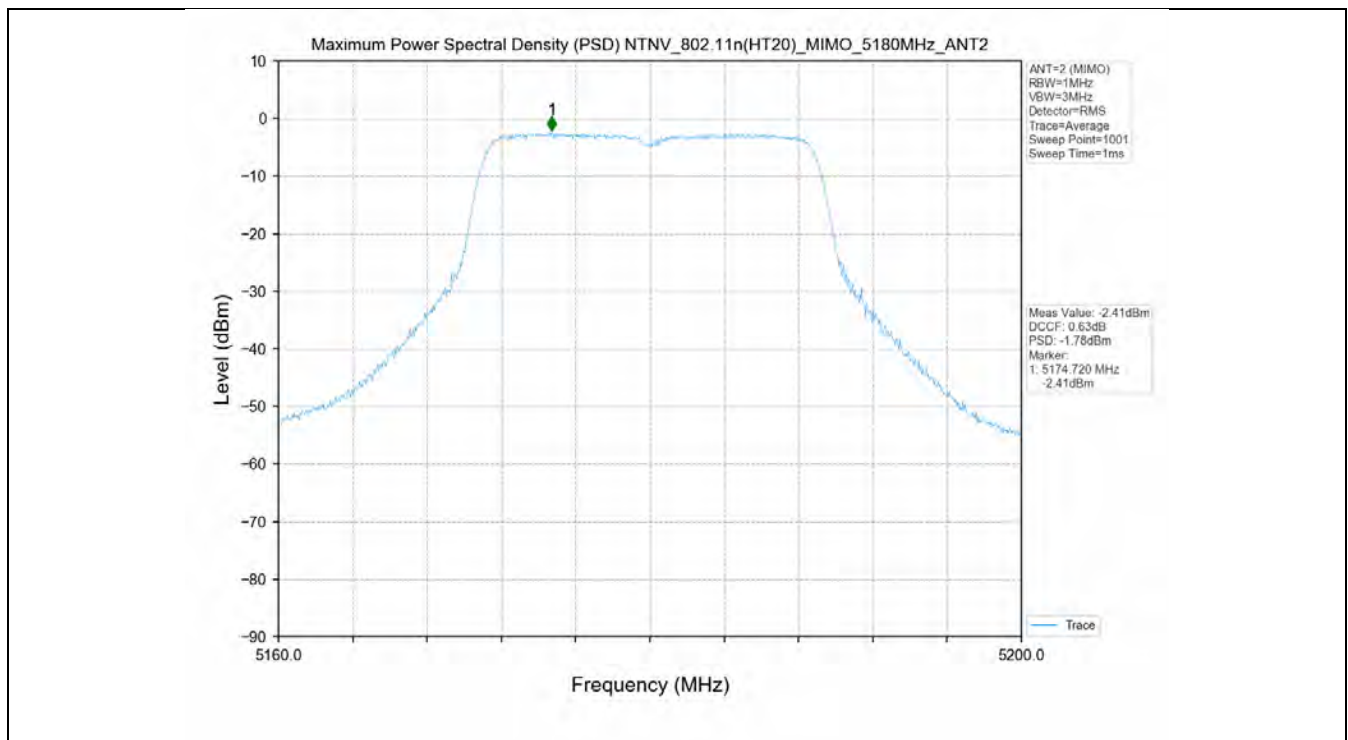
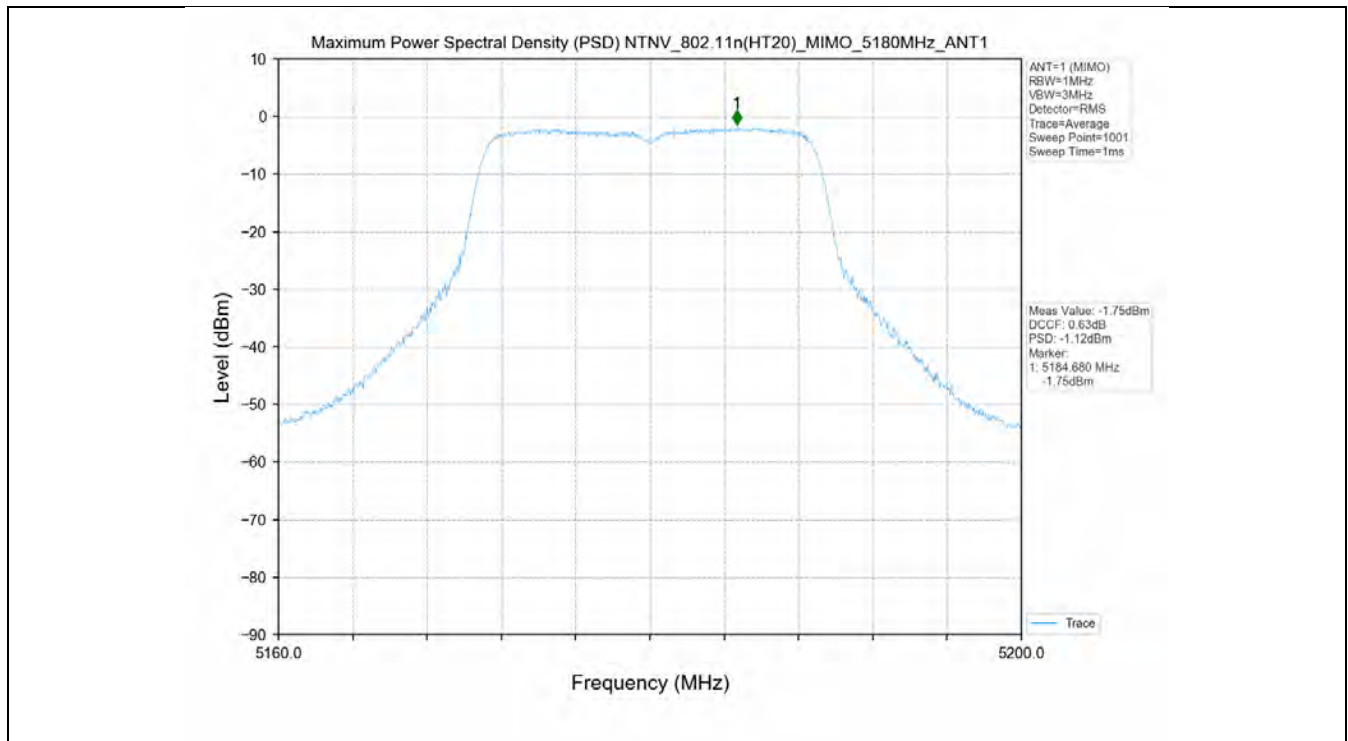
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)			Limits (dBm/500kHz)	Verdict
			Ant 1	Ant 2	Total		
802.11a	5745	SISO	3.19	0.79	/	≤30	PASS
	5785	SISO	2.89	1.28	/	≤30	PASS
	5825	SISO	3.16	1.24	/	≤30	PASS
802.11n (HT20)	5745	MIMO	2.22	0.22	4.34	≤29.35	PASS
	5785	MIMO	1.95	0.85	4.45	≤29.35	PASS
	5825	MIMO	2.41	0.38	4.52	≤29.35	PASS
802.11n (HT40)	5755	MIMO	0.22	-1.78	2.34	≤29.35	PASS
	5795	MIMO	-0.09	-2.18	2.00	≤29.35	PASS
802.11ac (VHT20)	5745	MIMO	2.64	0.46	4.70	≤29.35	PASS
	5785	MIMO	2.24	0.60	4.51	≤29.35	PASS
	5825	MIMO	2.39	0.68	4.63	≤29.35	PASS
802.11ac (VHT40)	5755	MIMO	0.32	-1.73	2.43	≤29.35	PASS
	5795	MIMO	-0.38	-2.01	1.89	≤29.35	PASS
802.11ac (VHT80)	5775	MIMO	-4.52	-6.31	-2.31	≤29.35	PASS

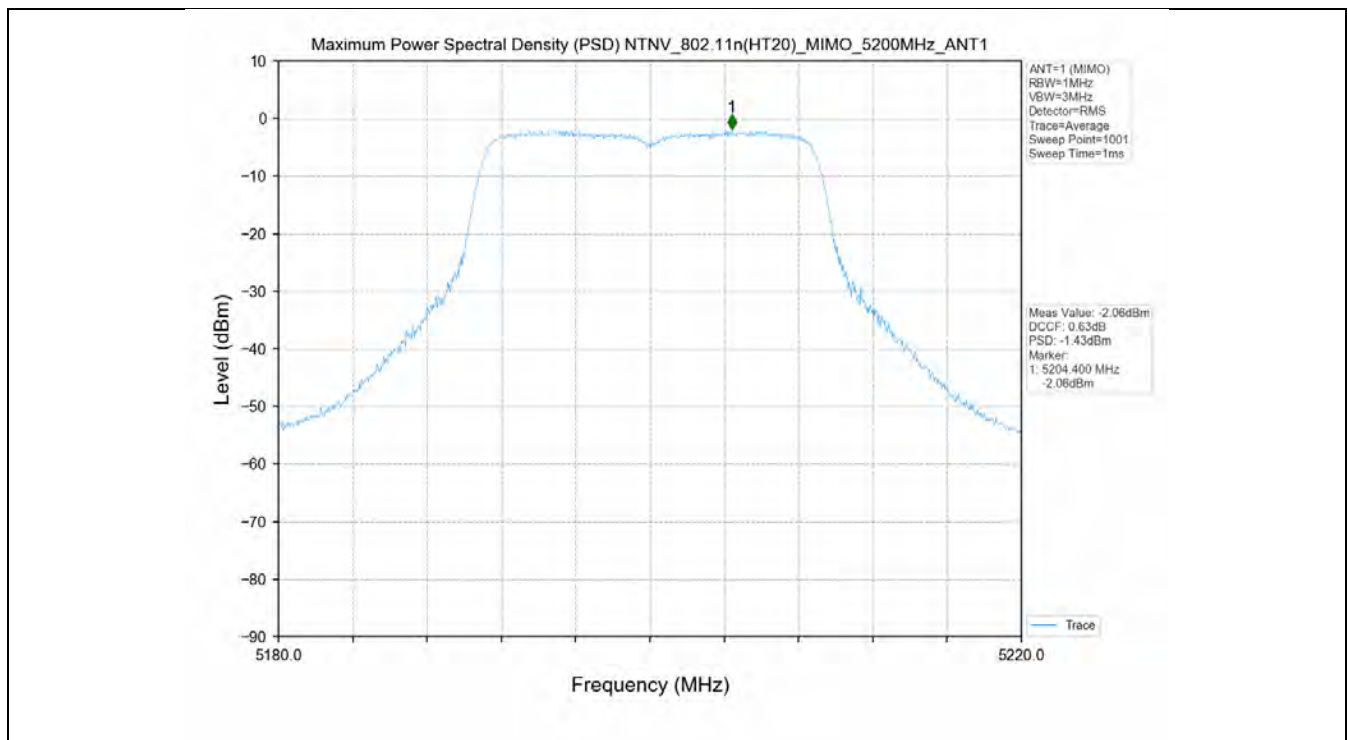
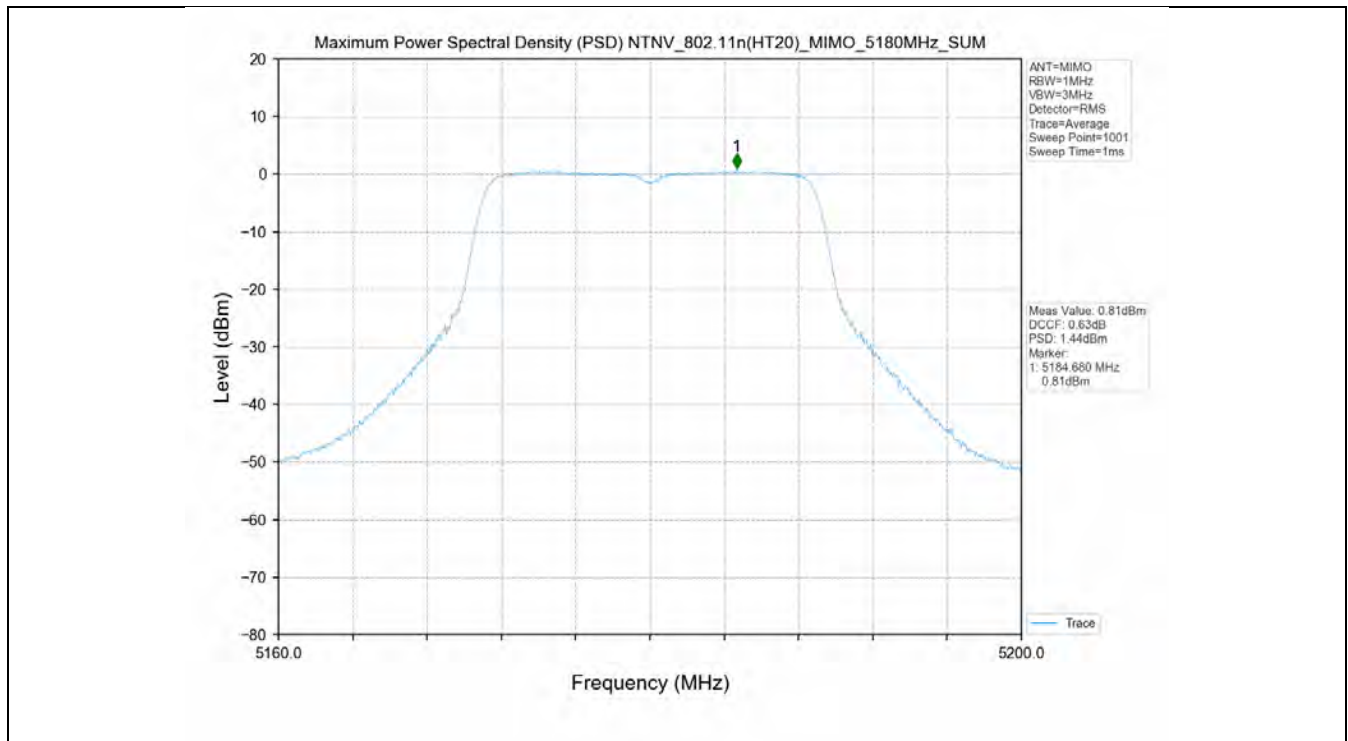
4.3 Test Graph

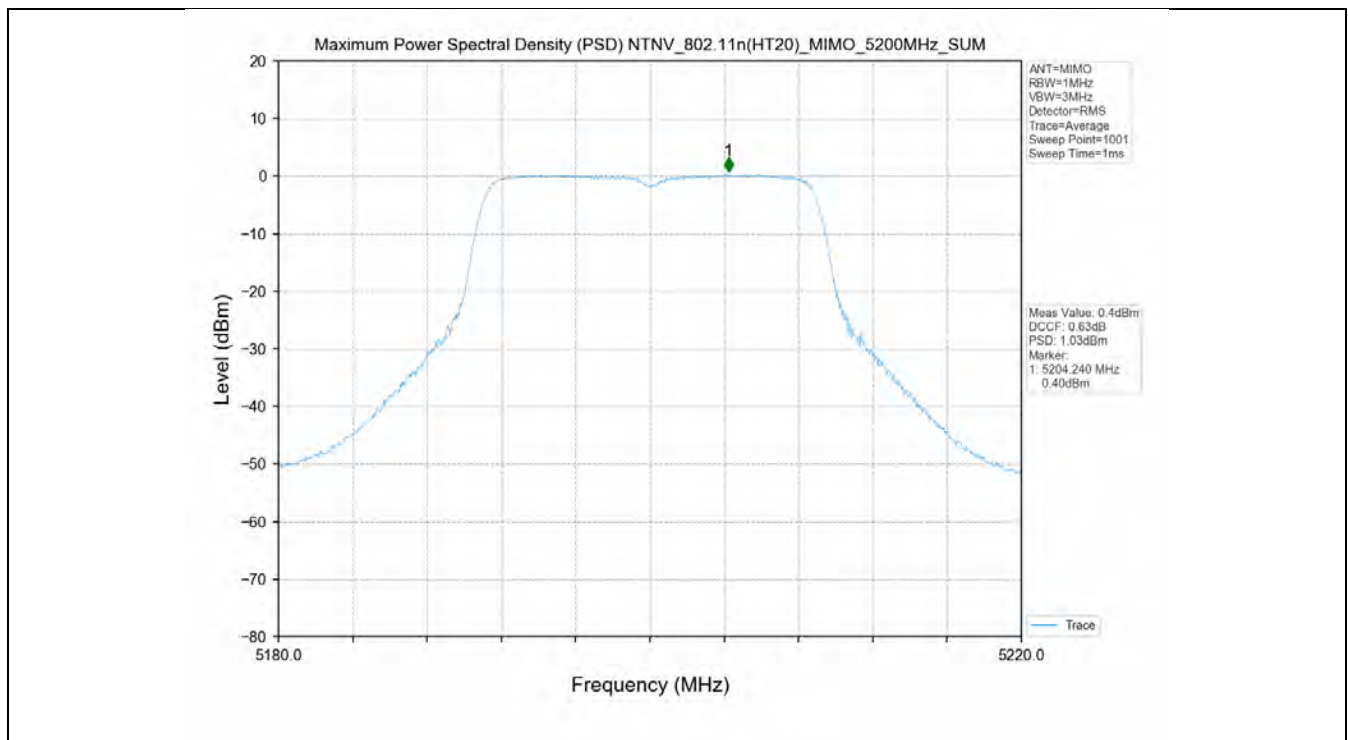
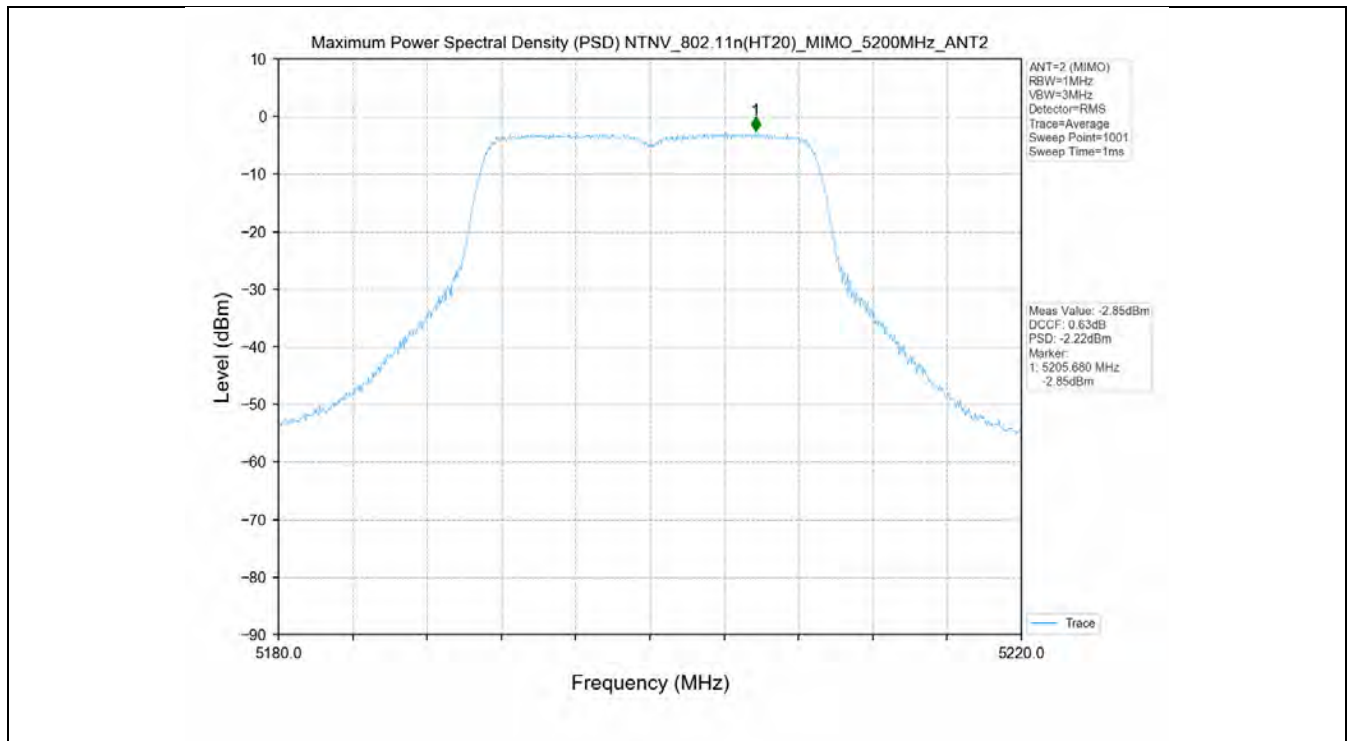


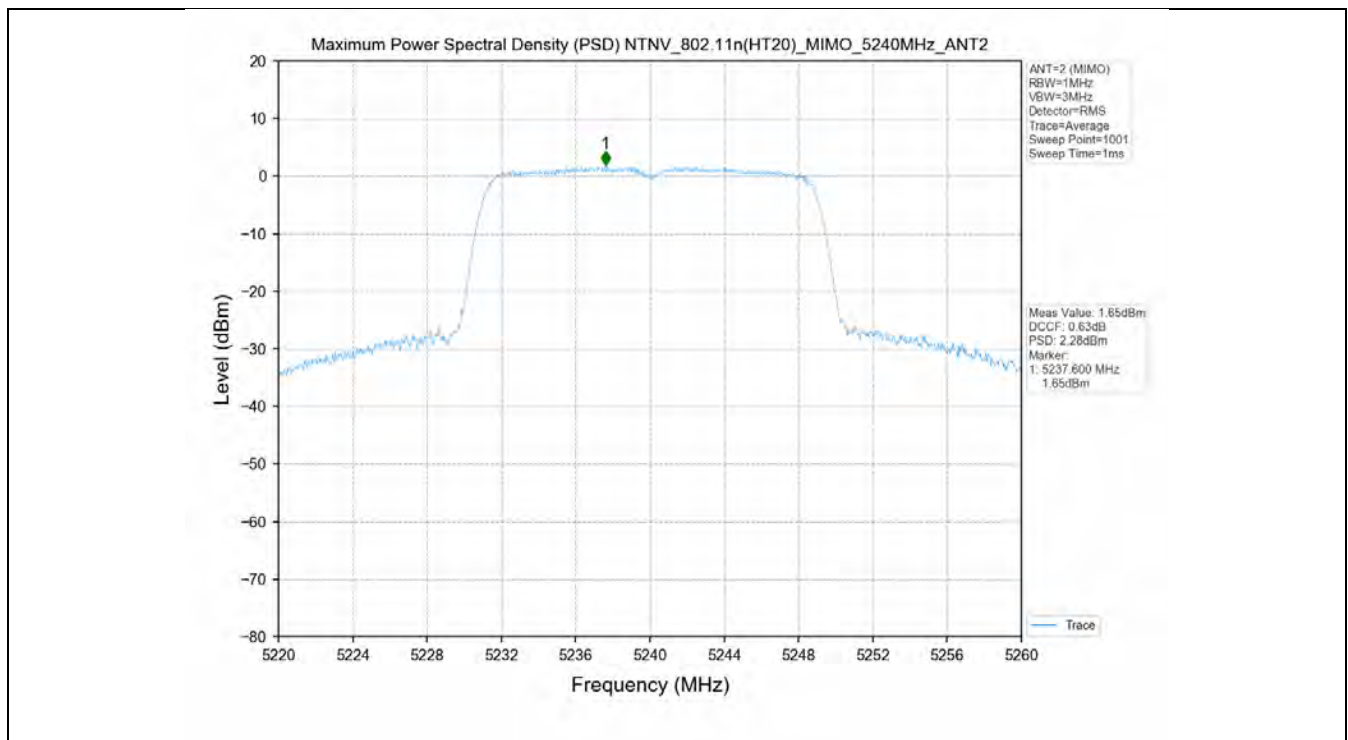
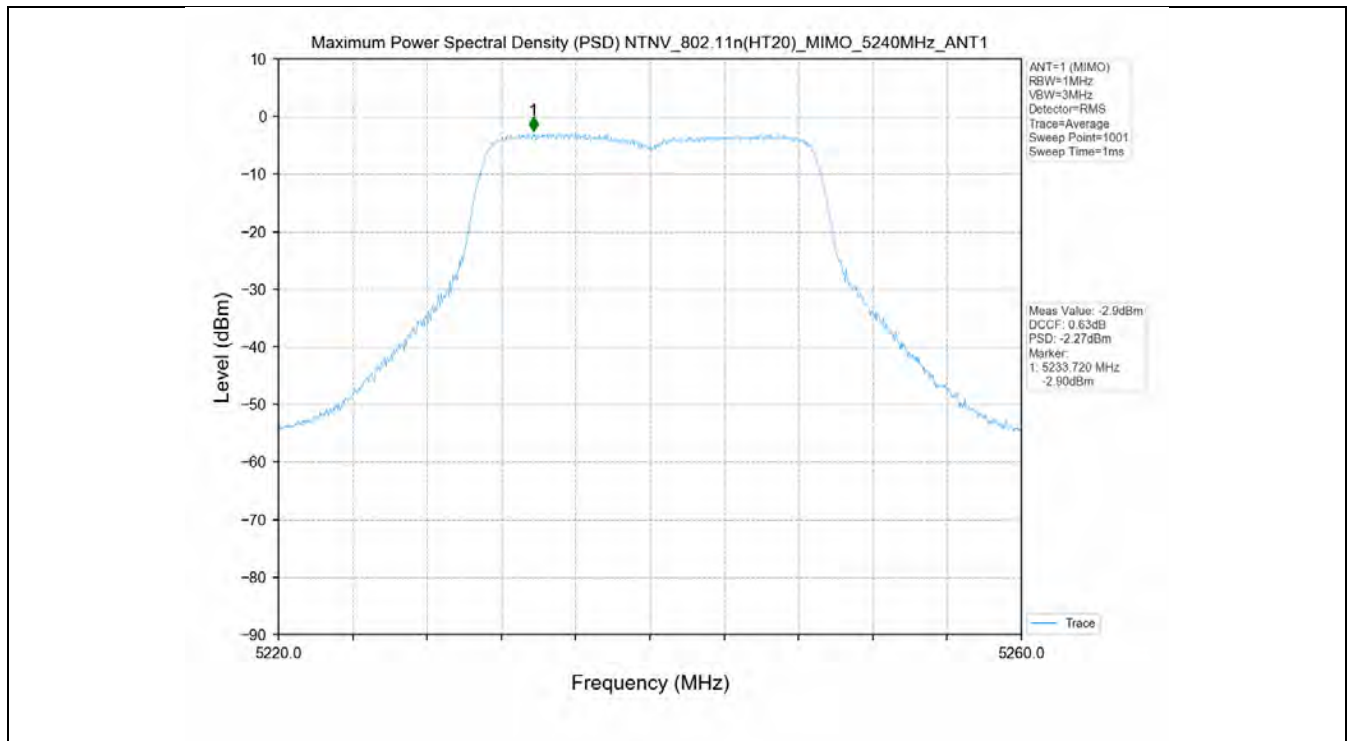


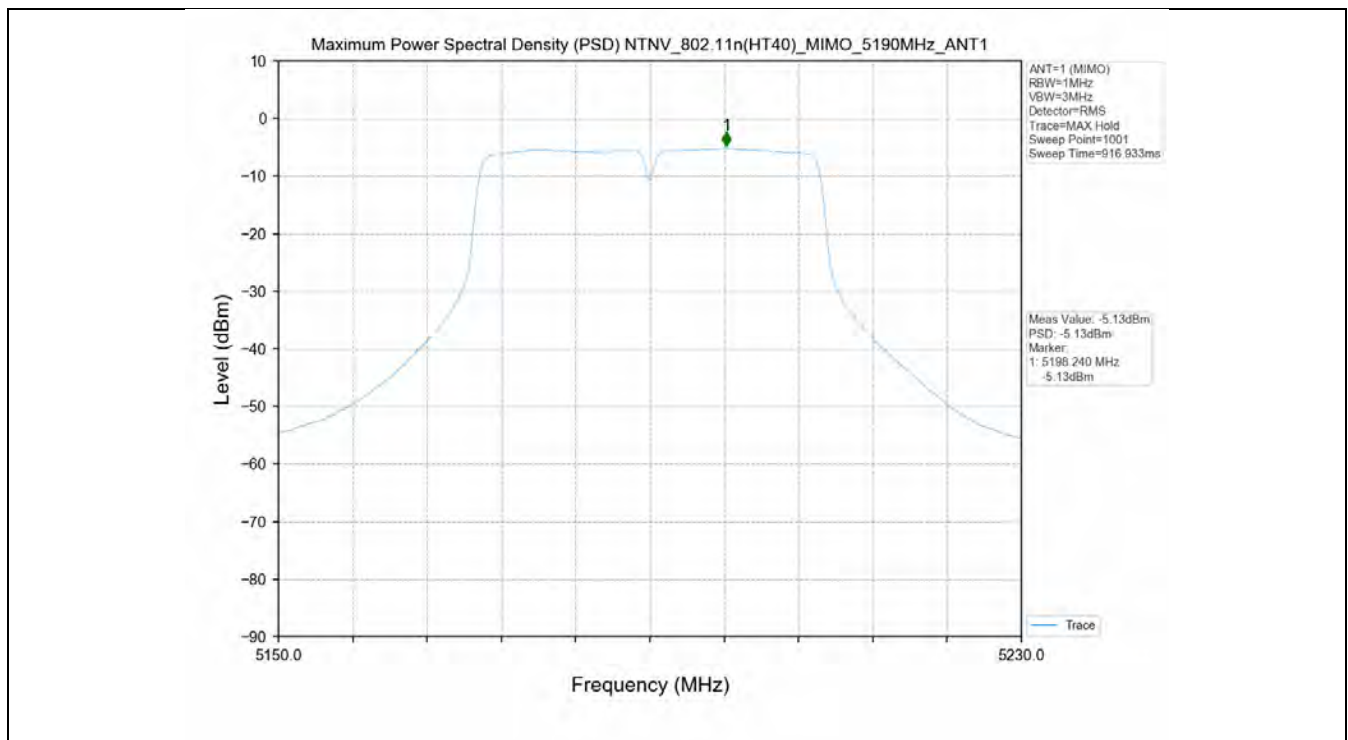
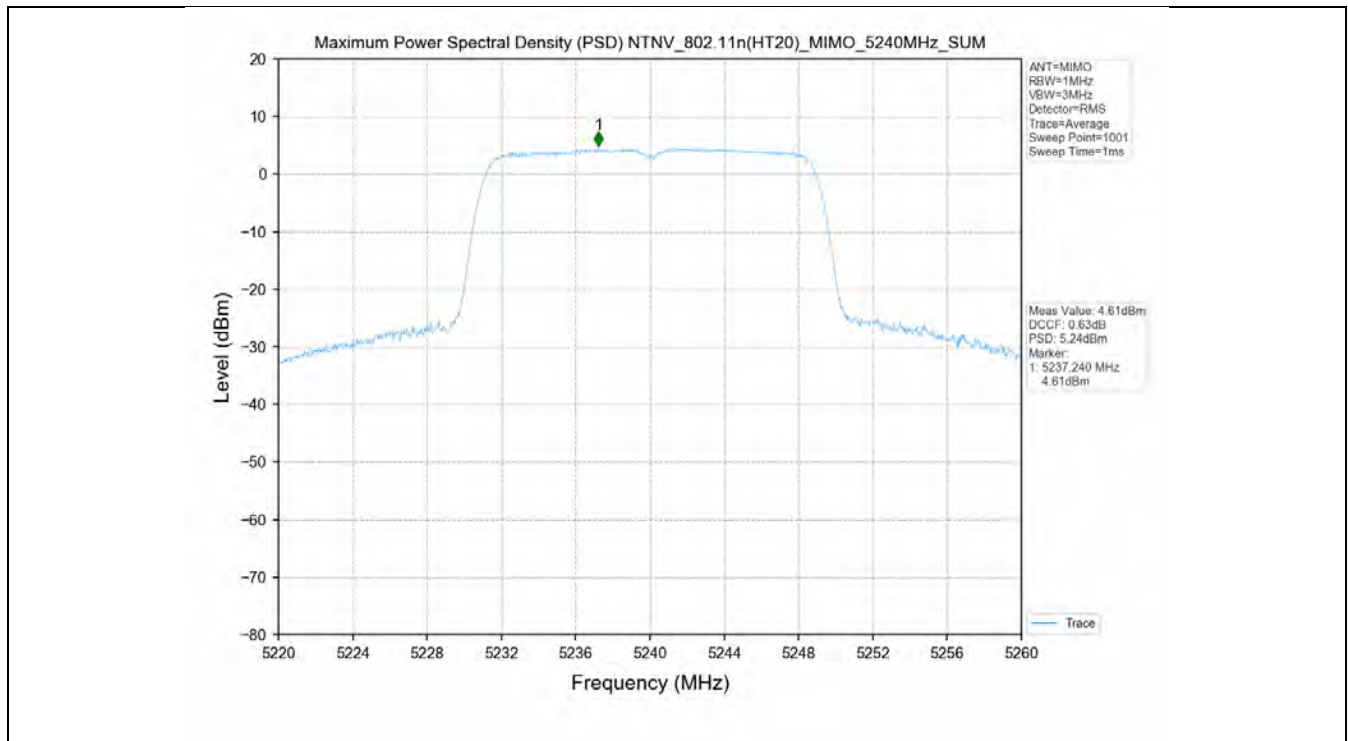


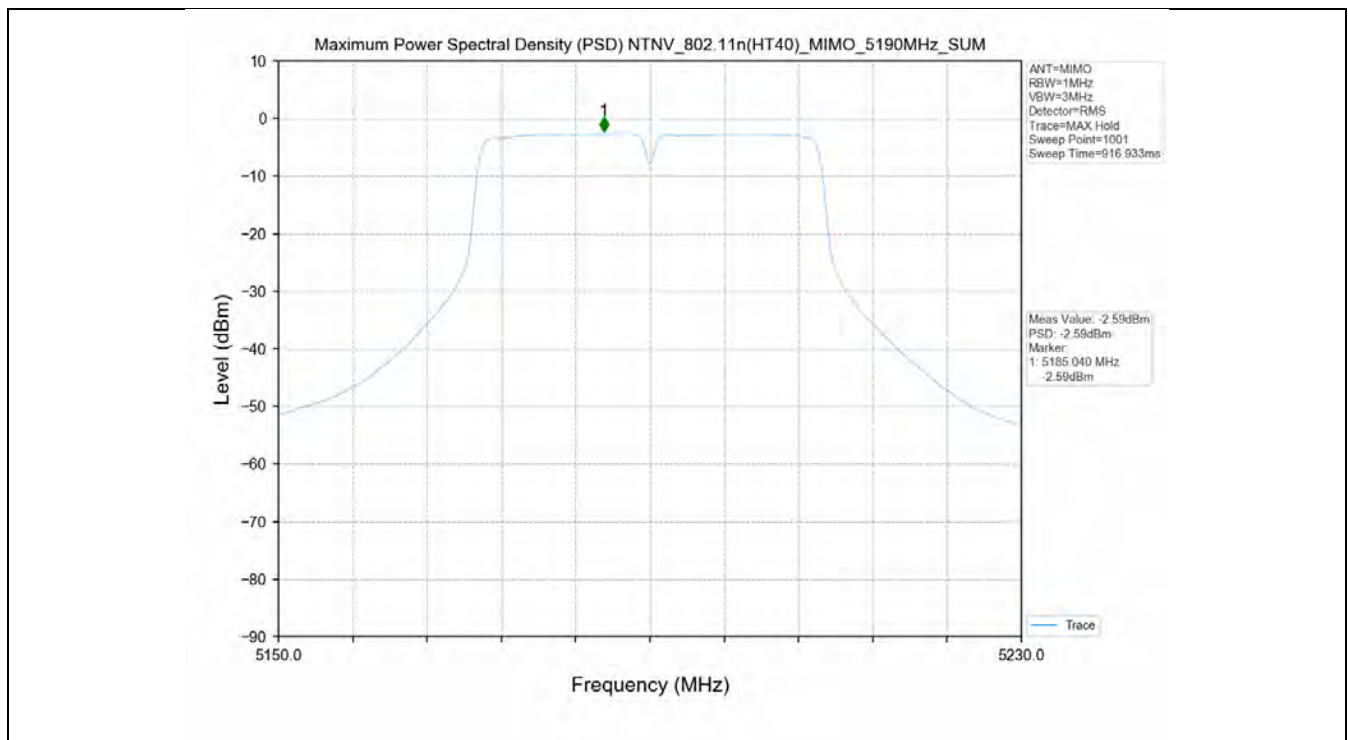
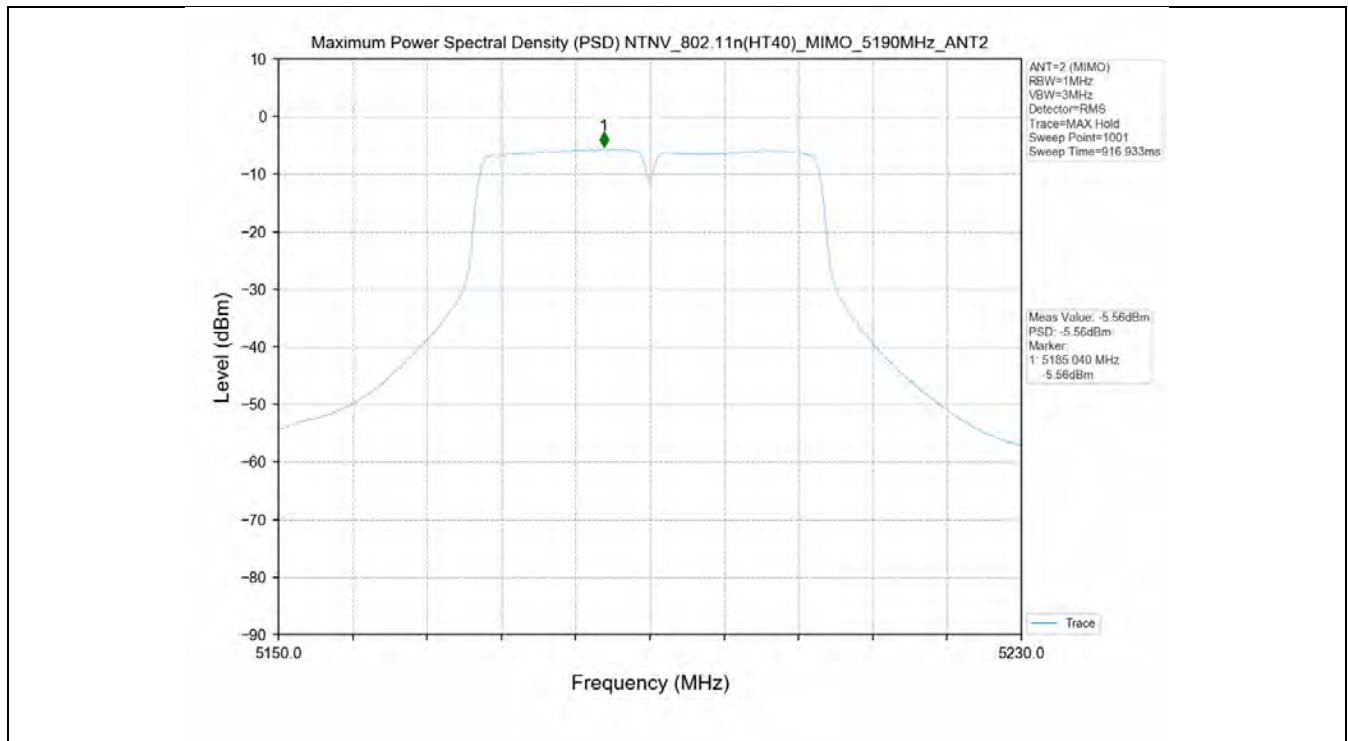


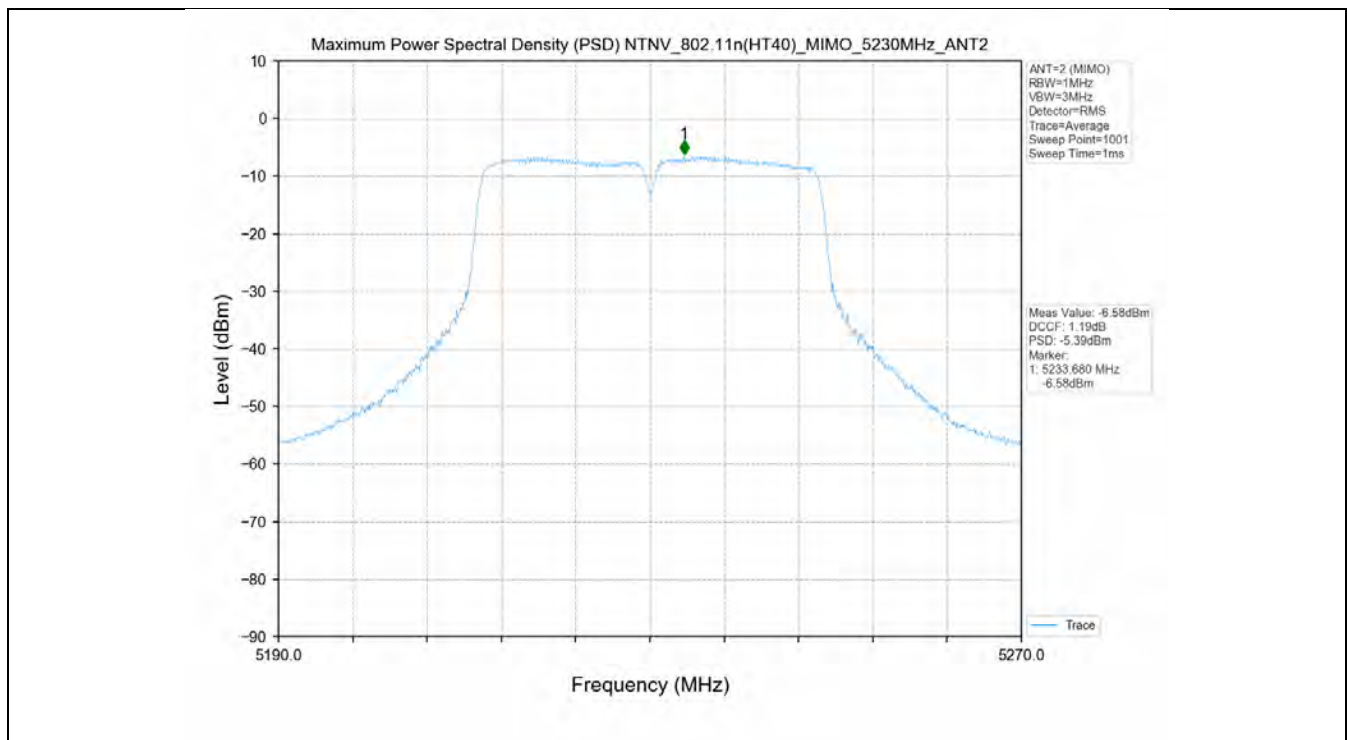
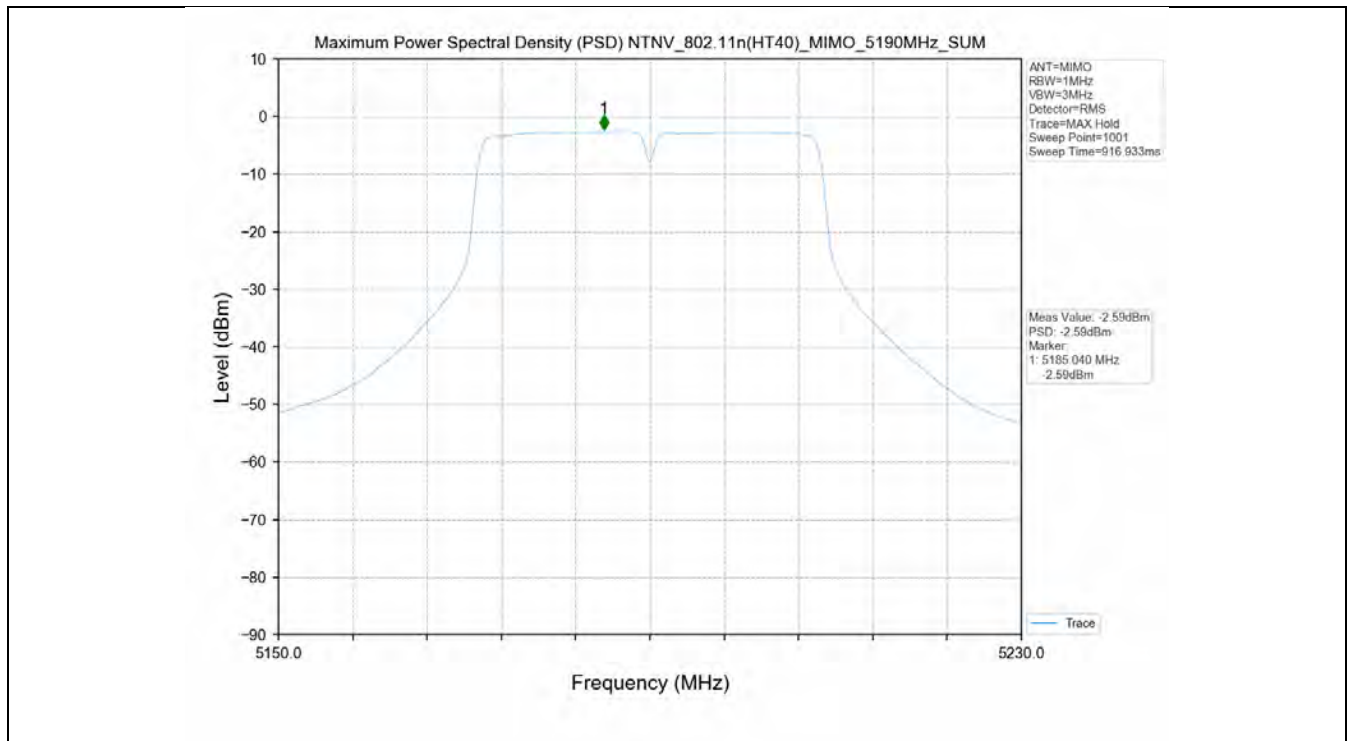


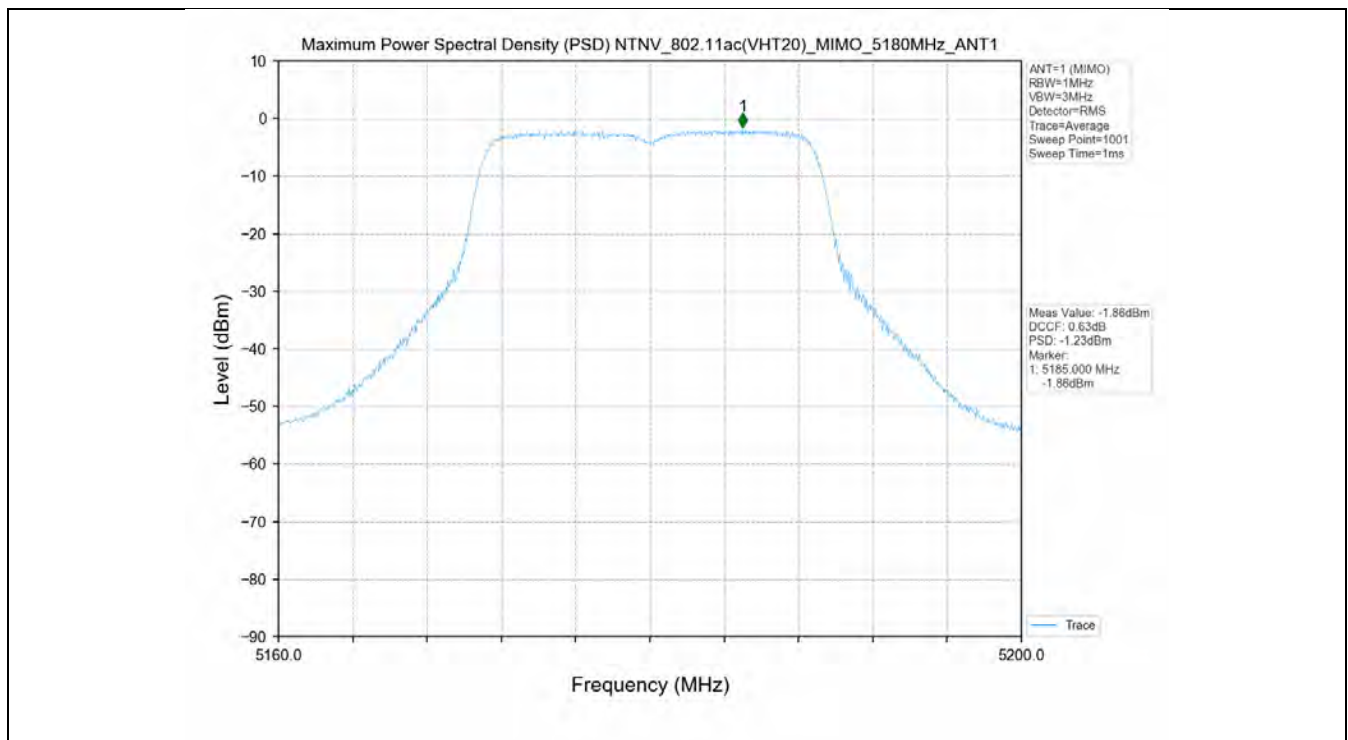
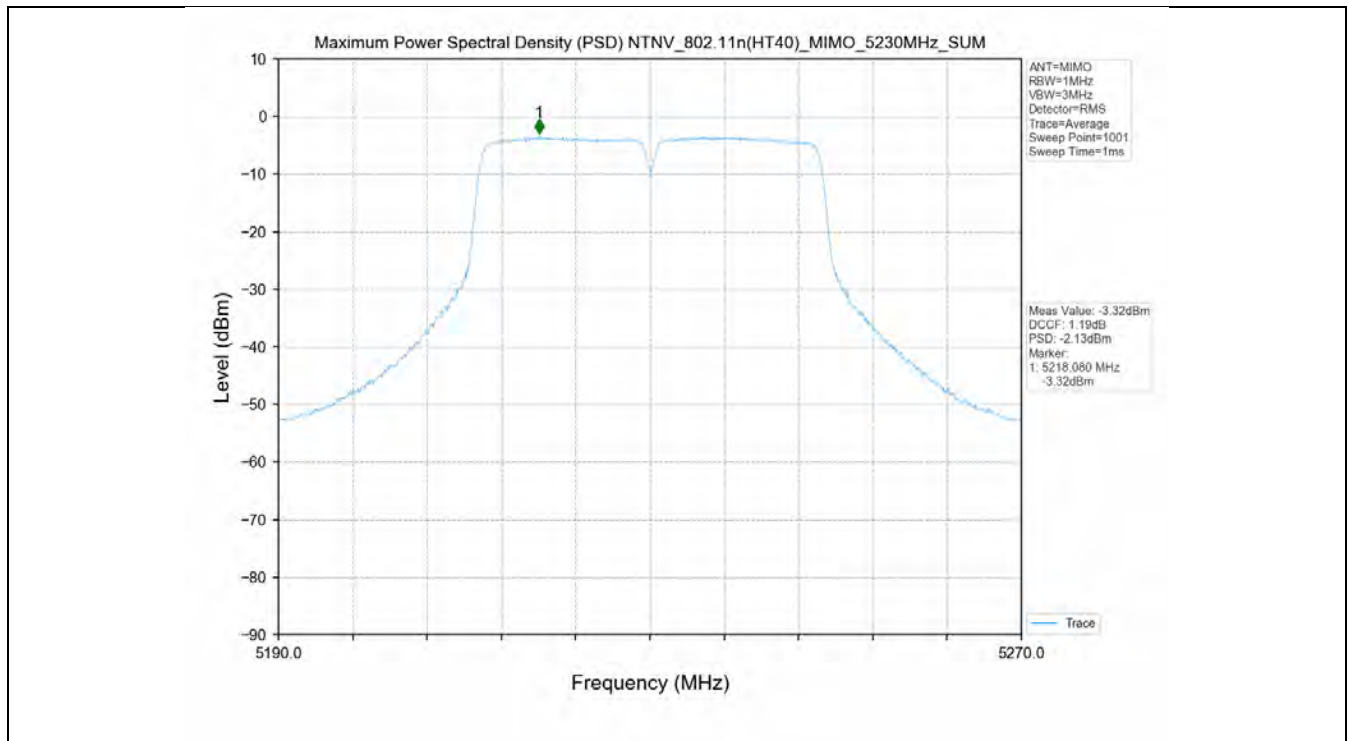


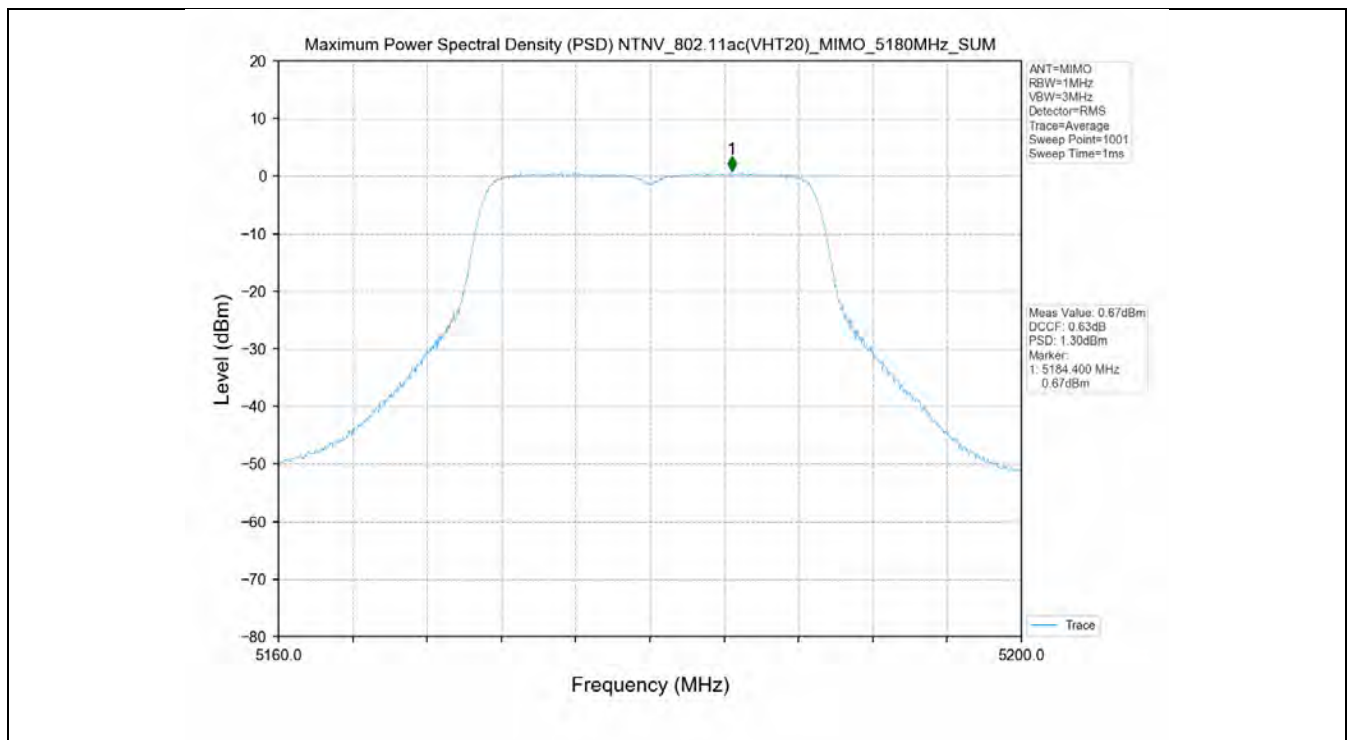
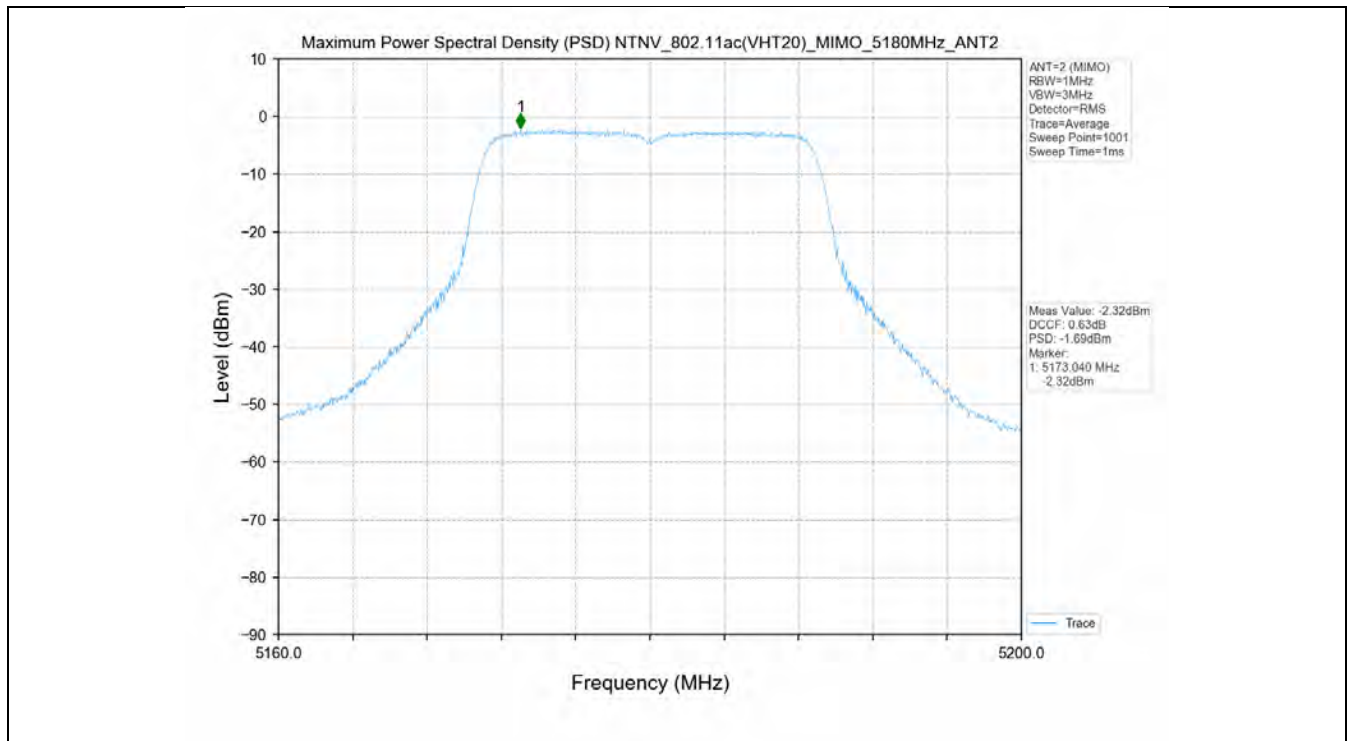


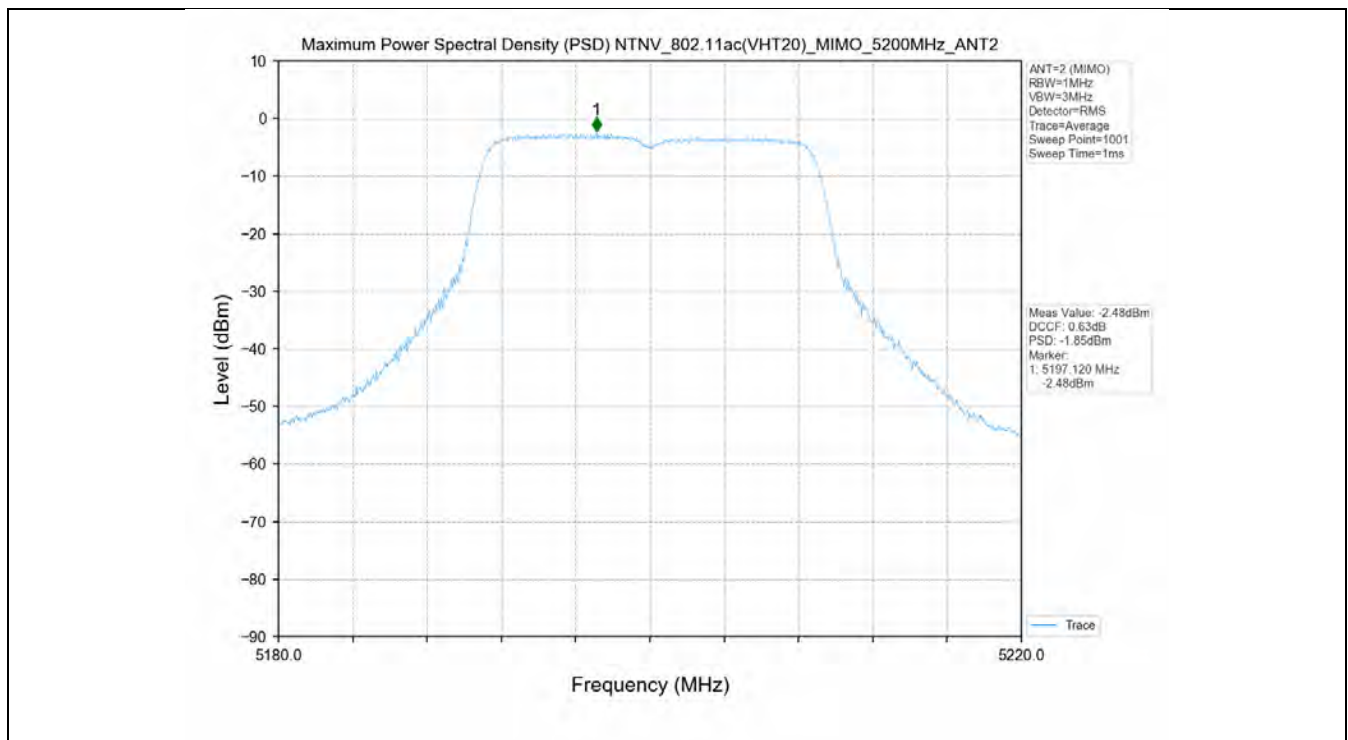
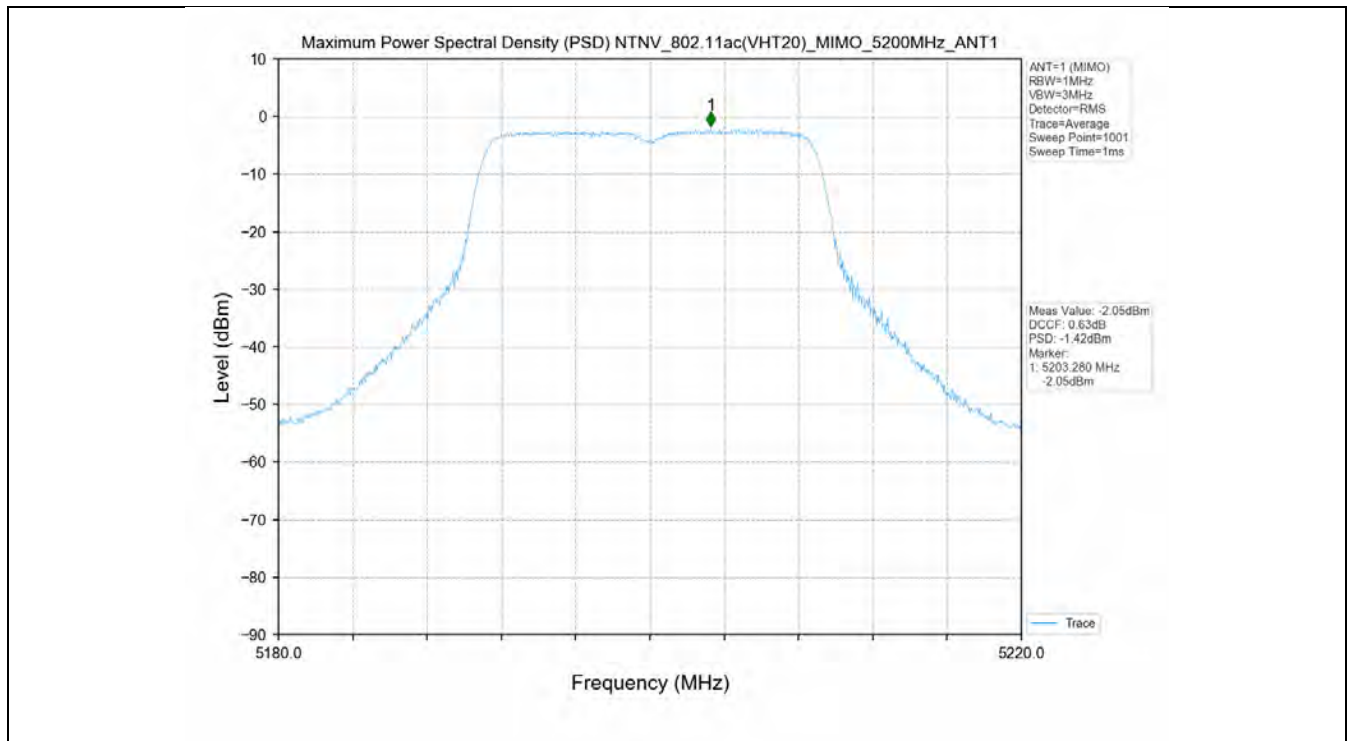


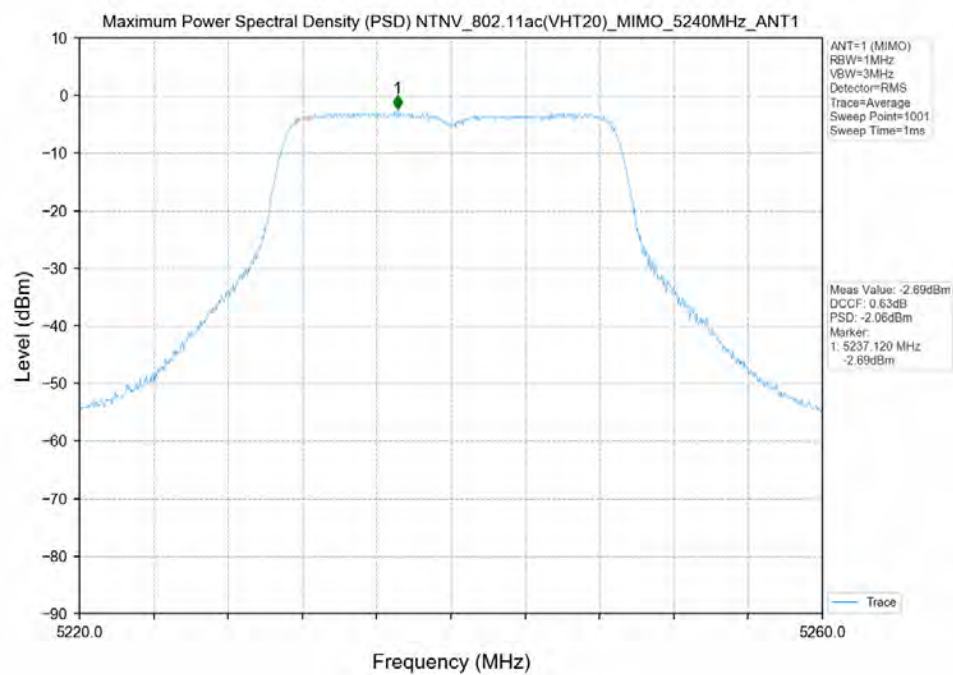
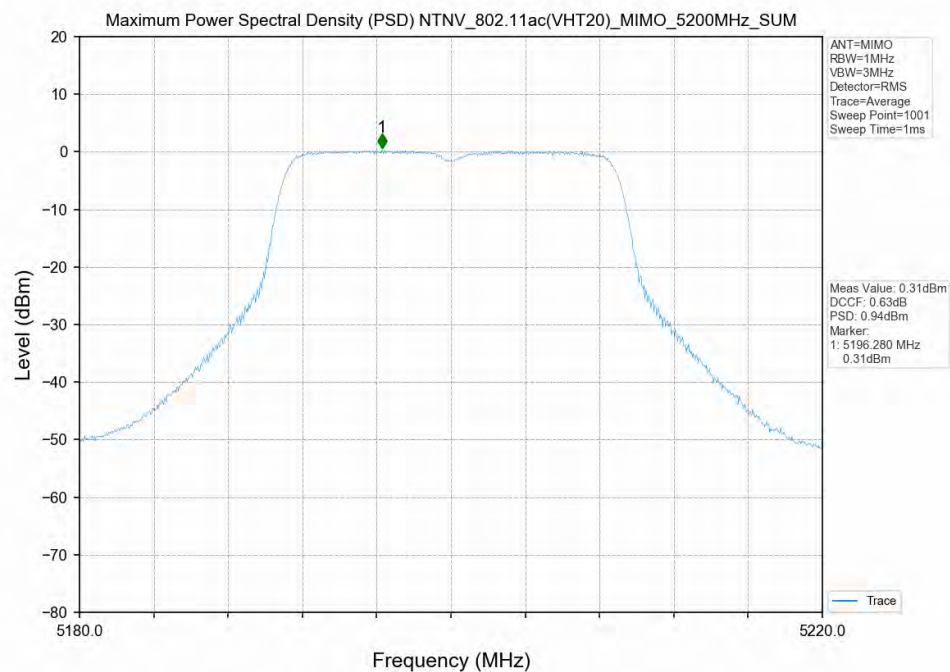


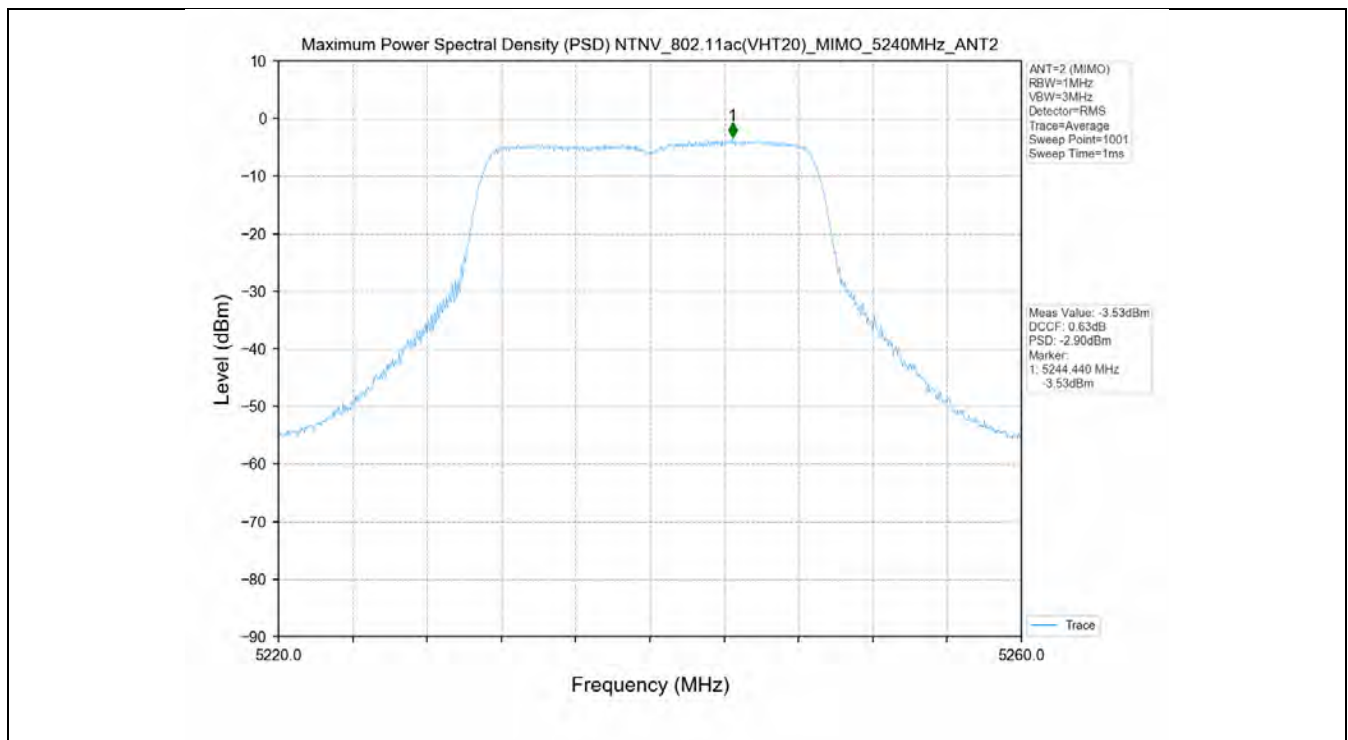
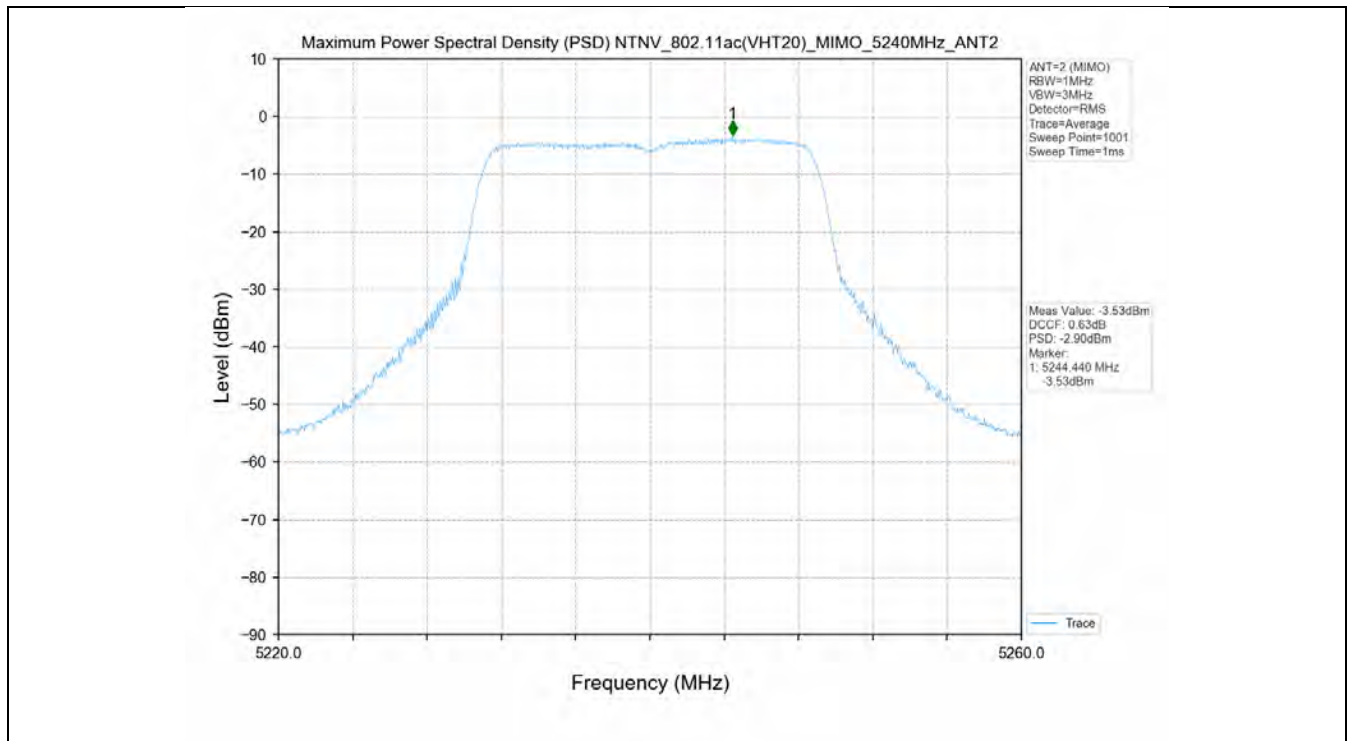


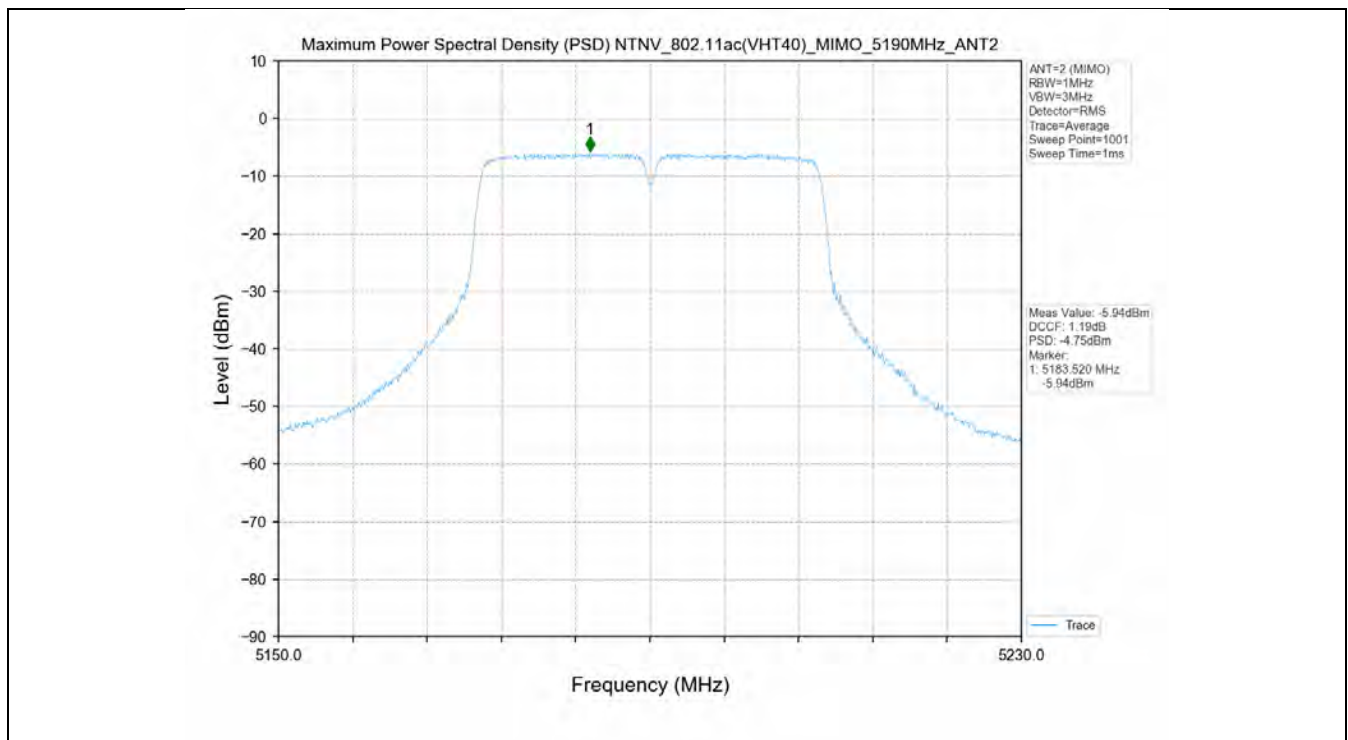
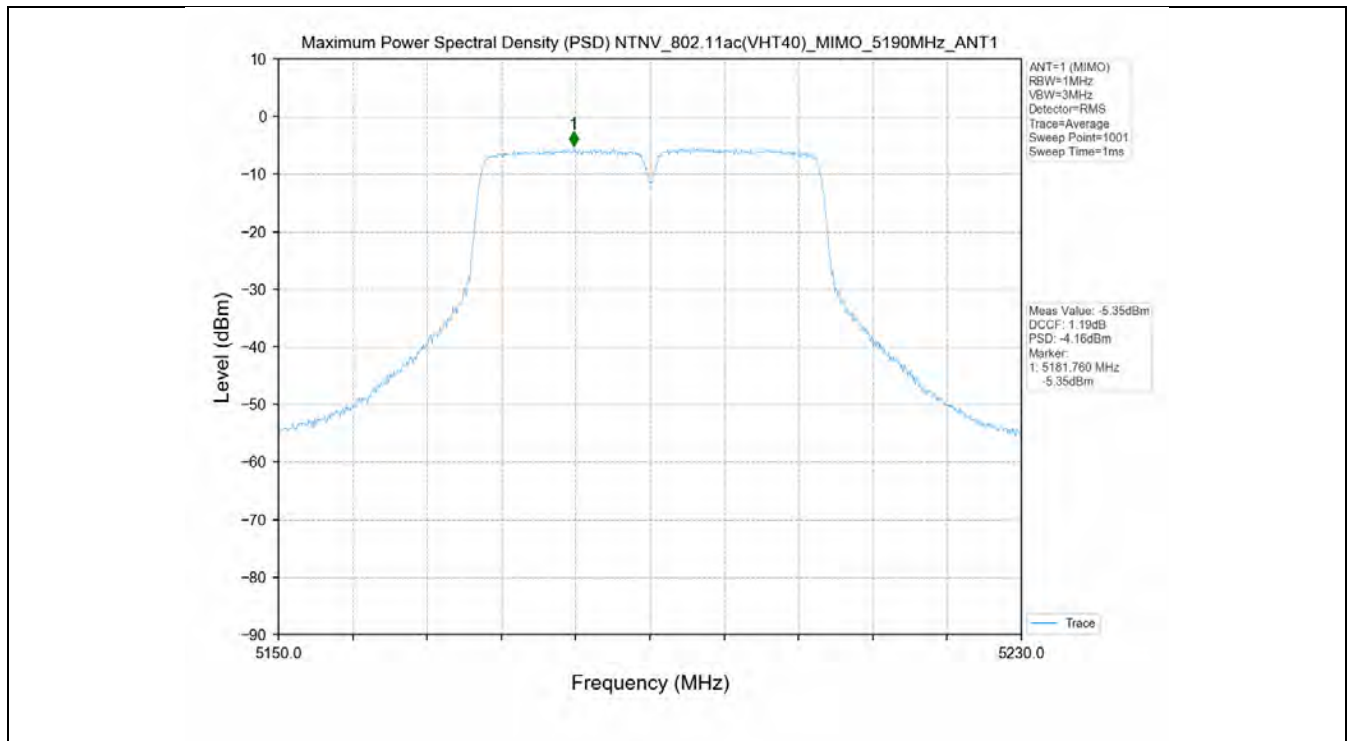


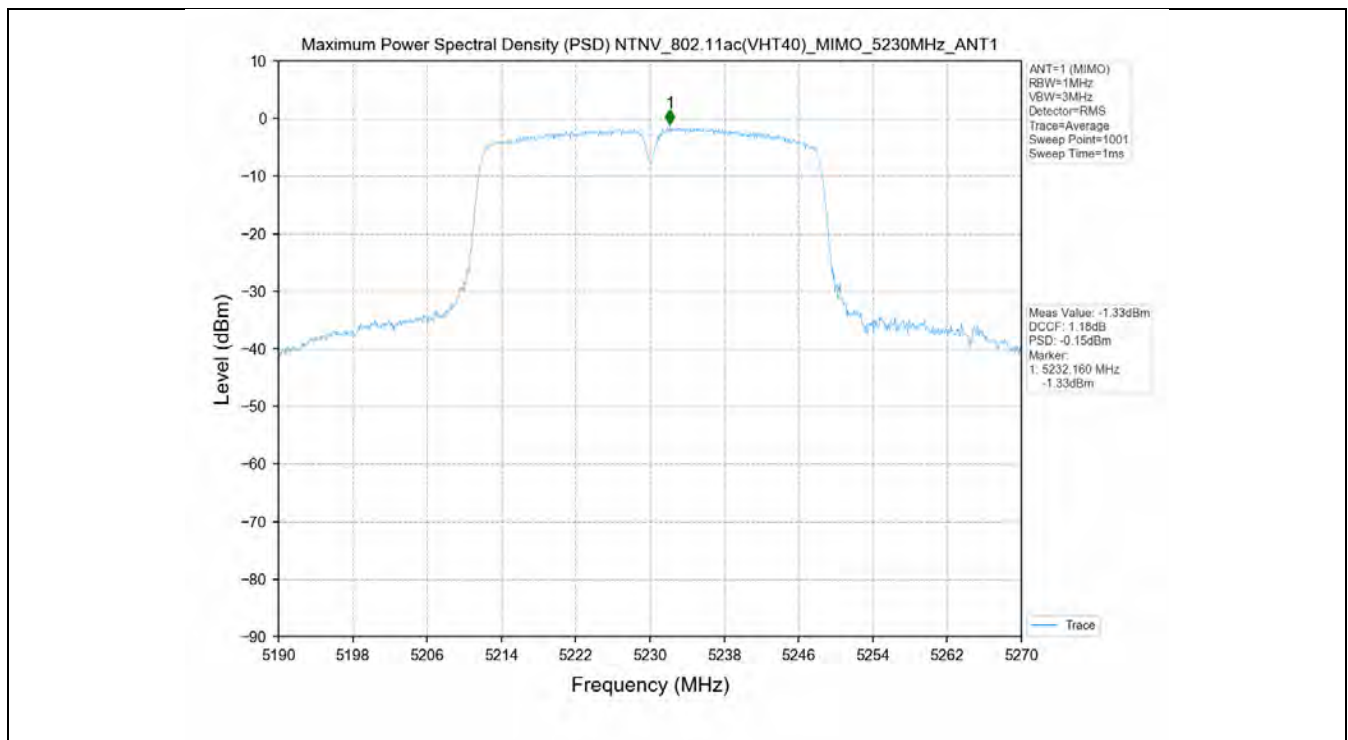
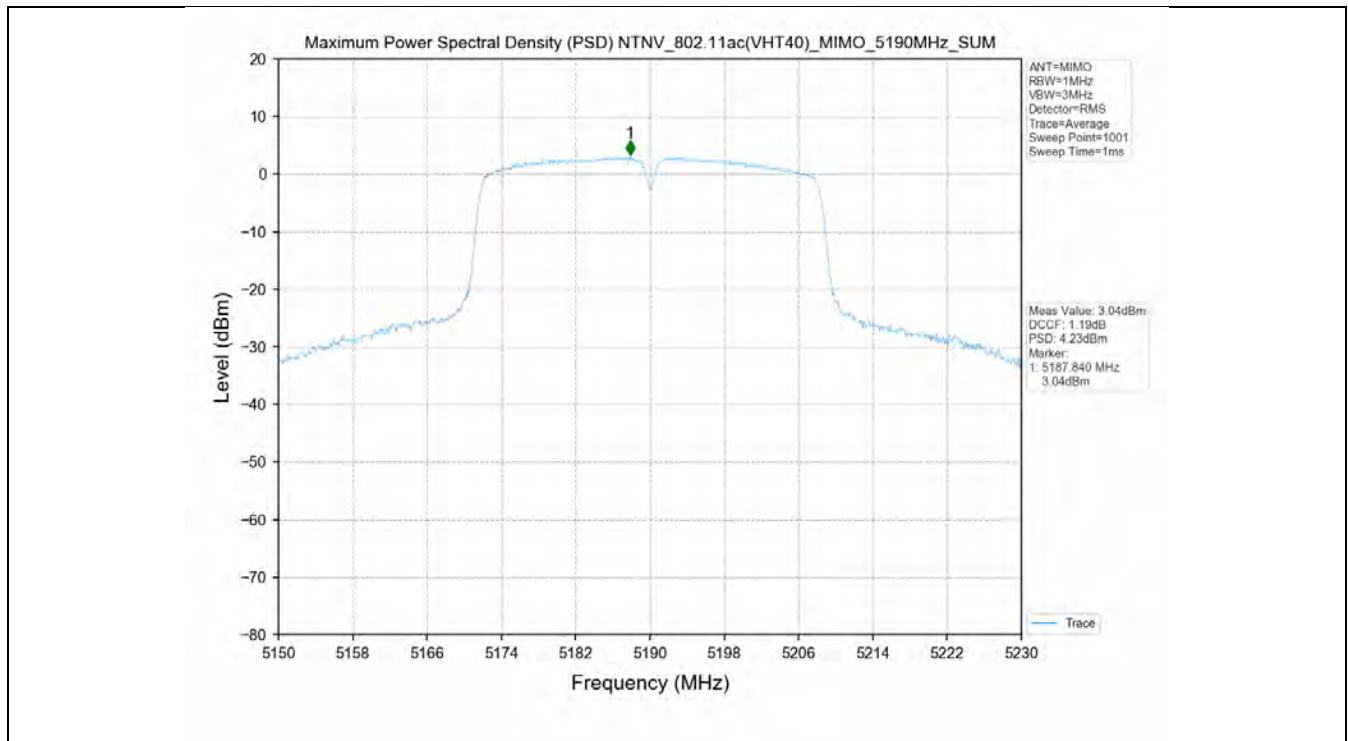


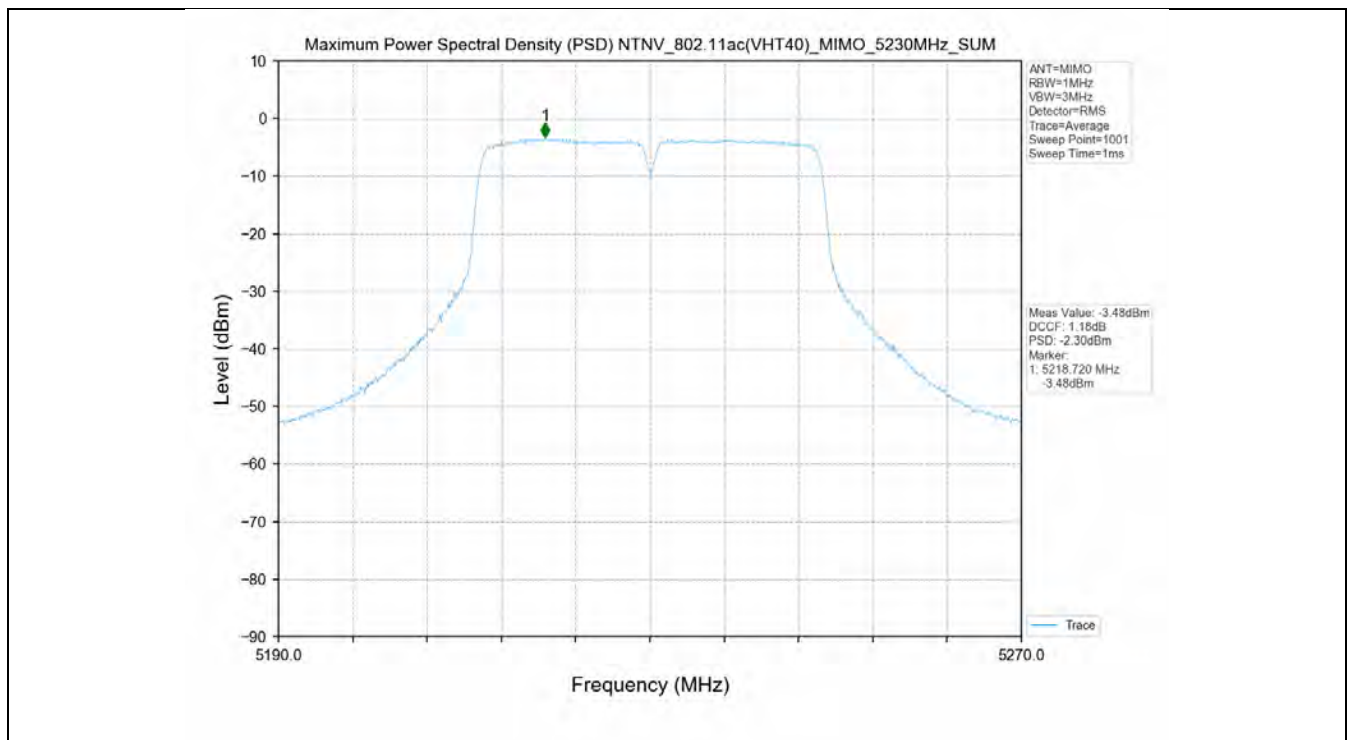
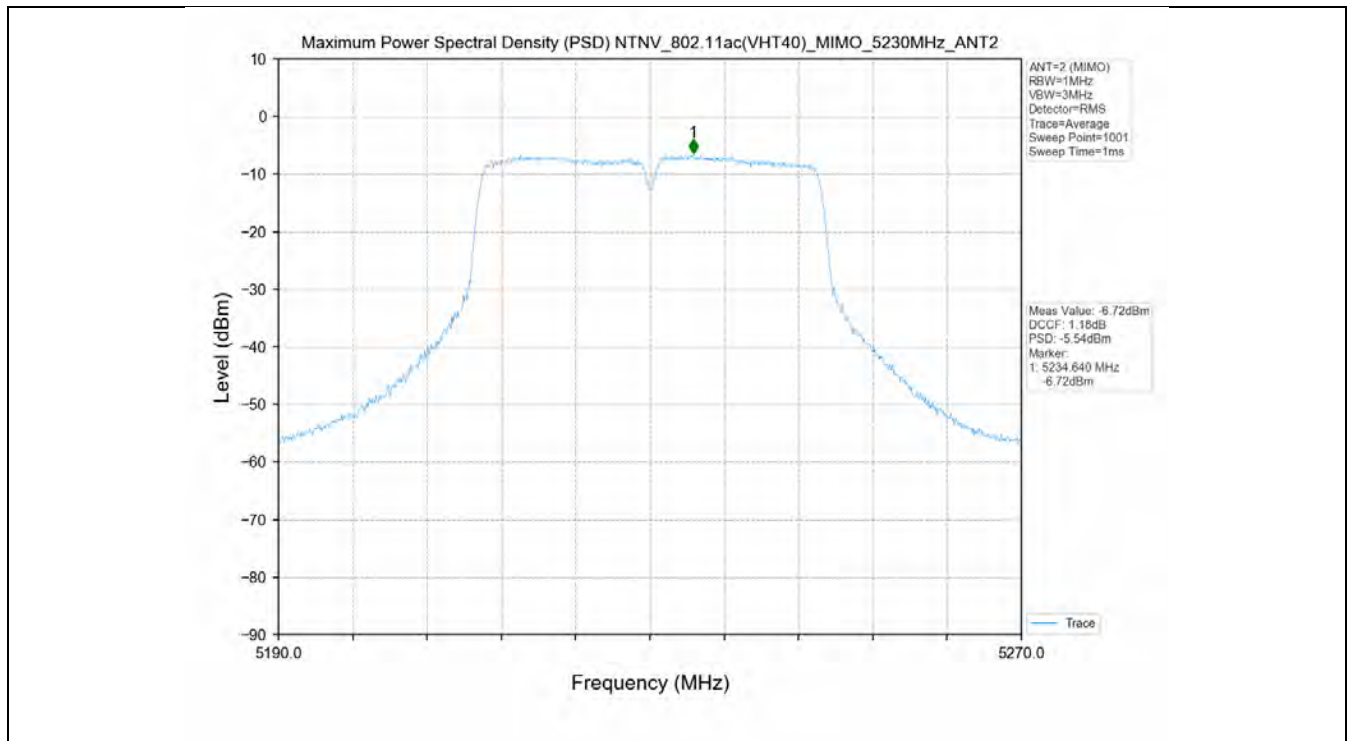


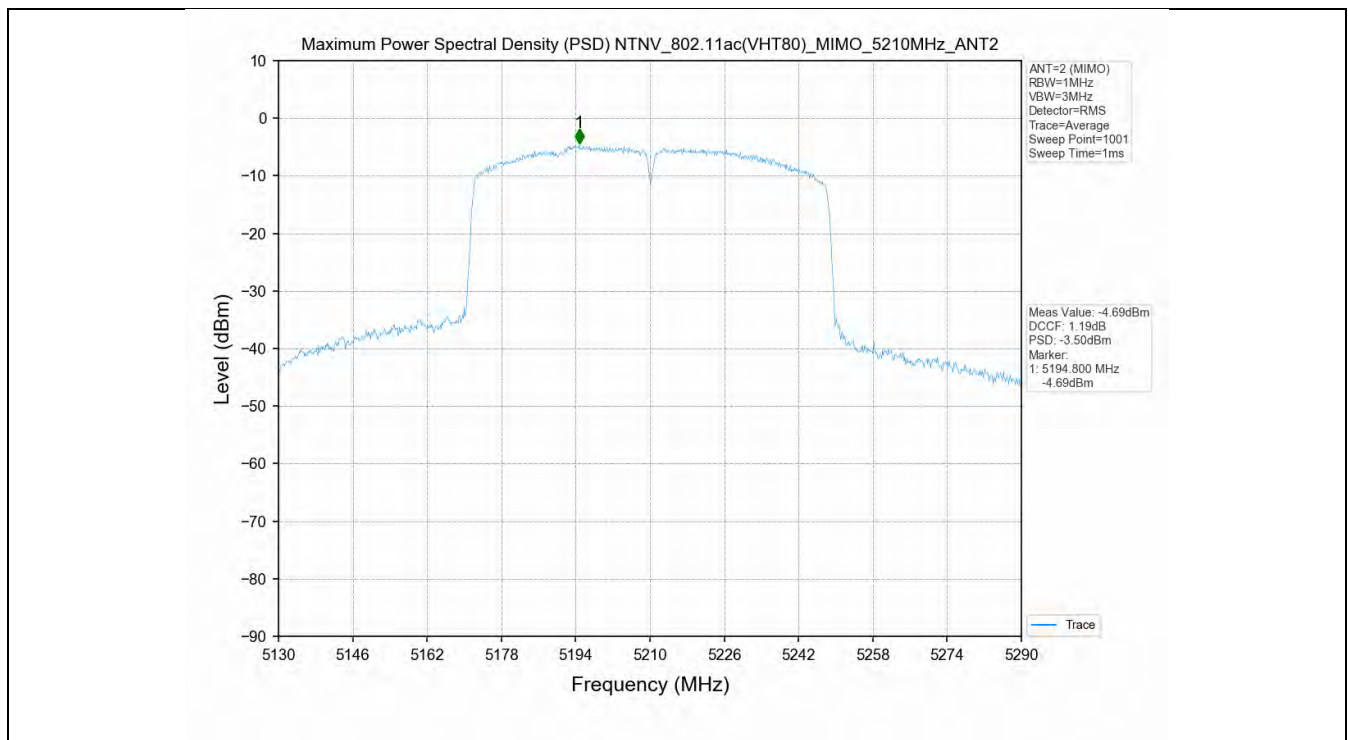
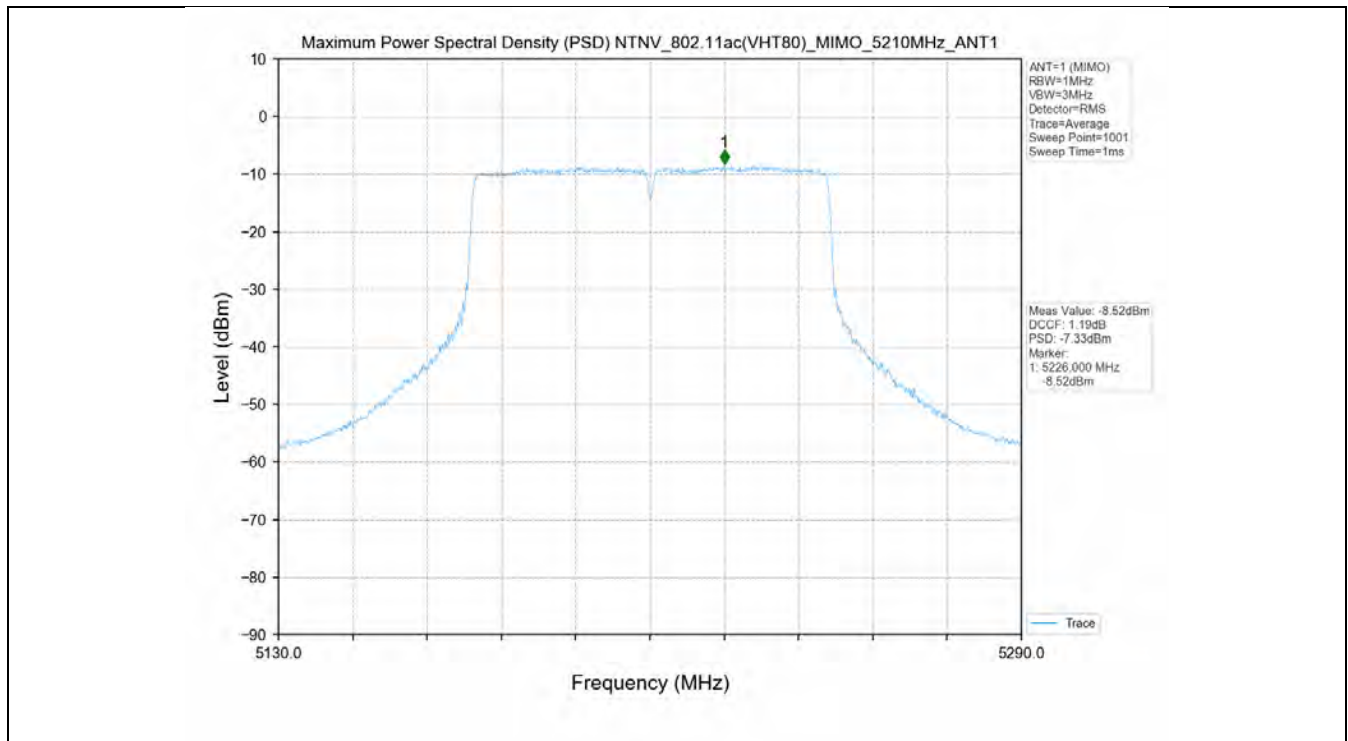


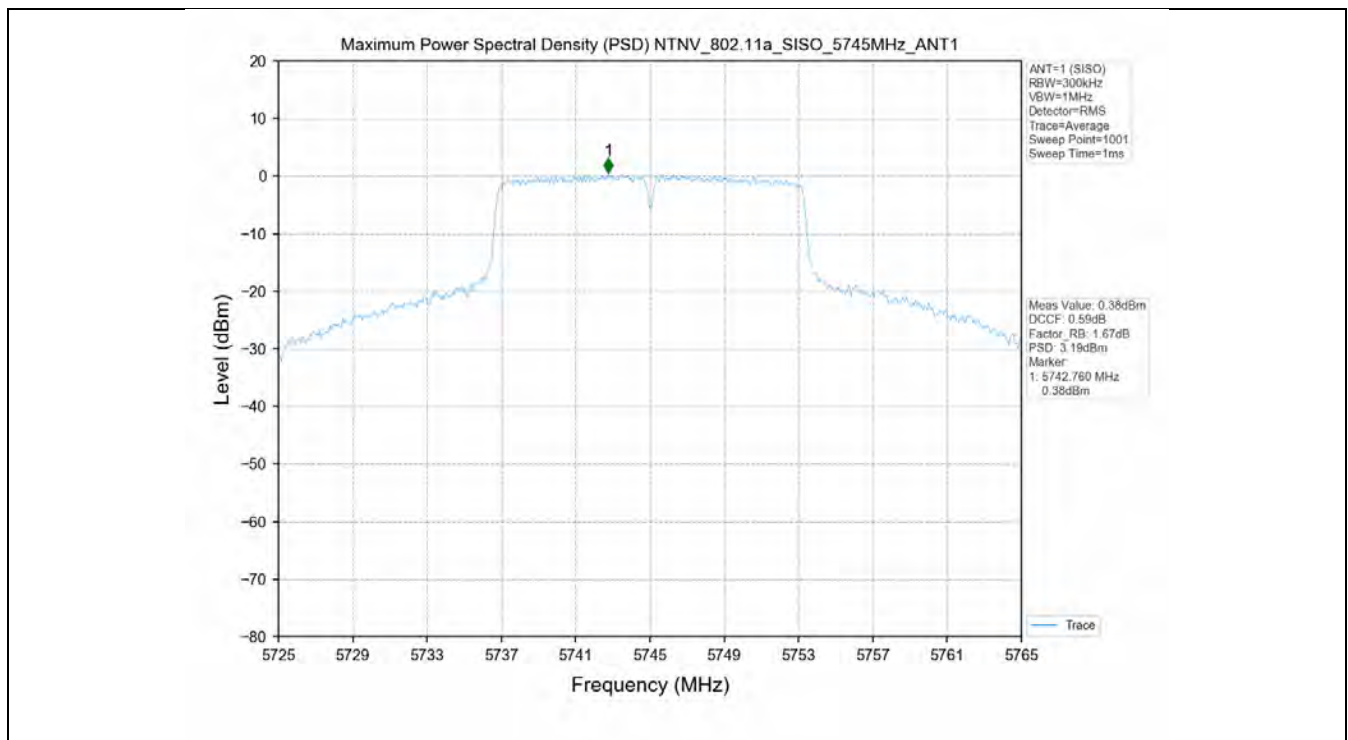
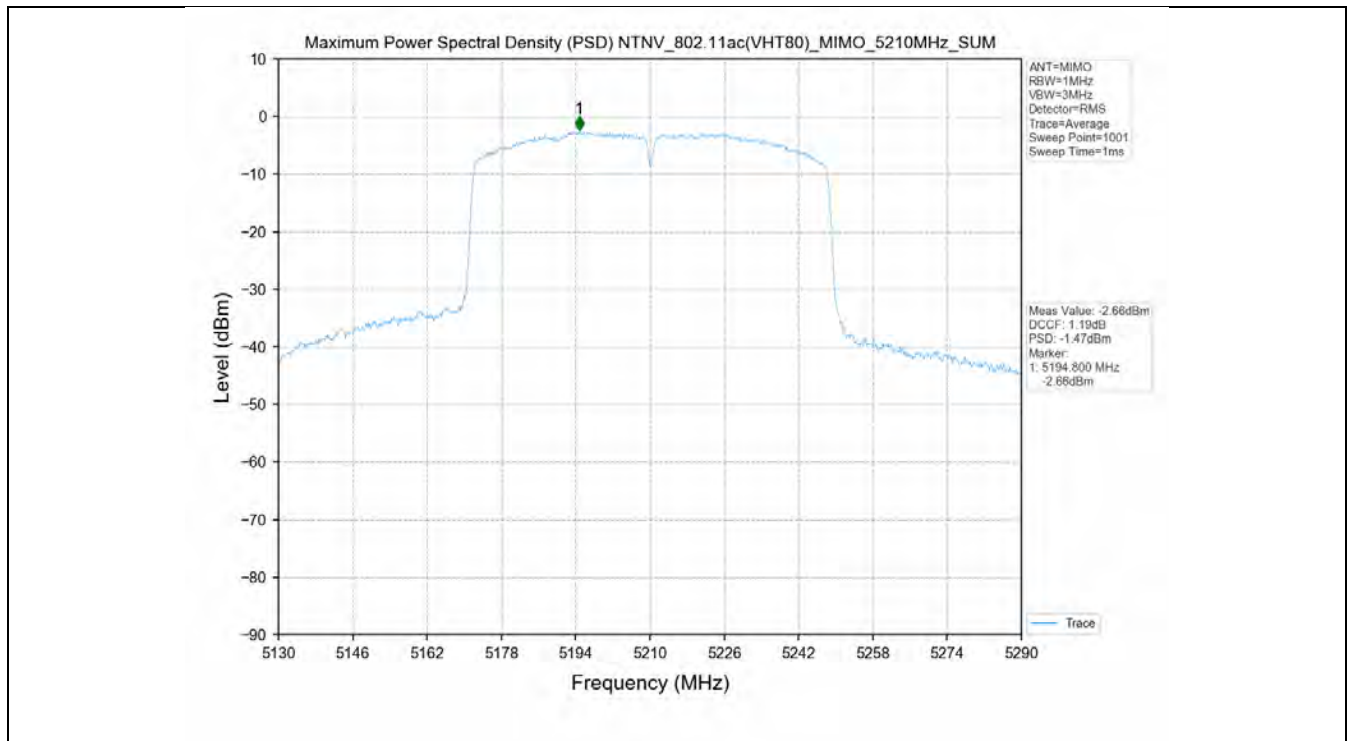


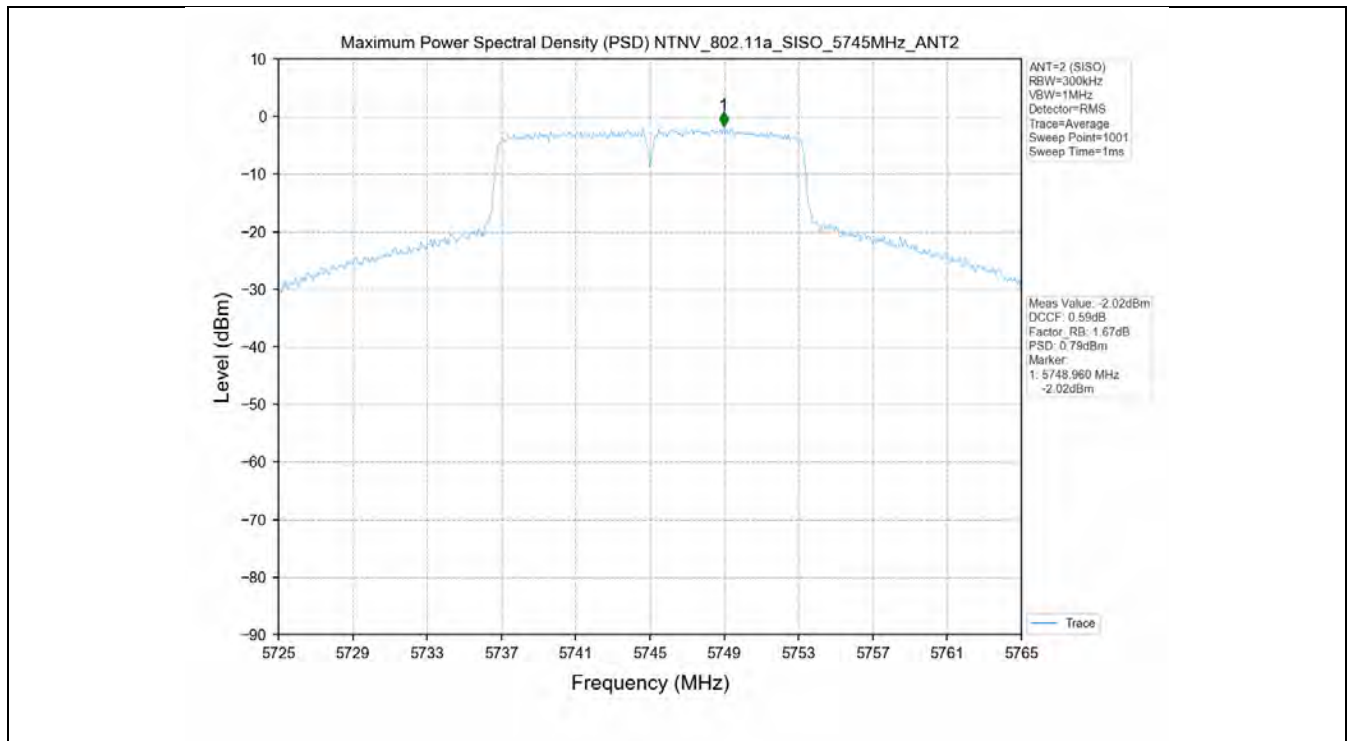


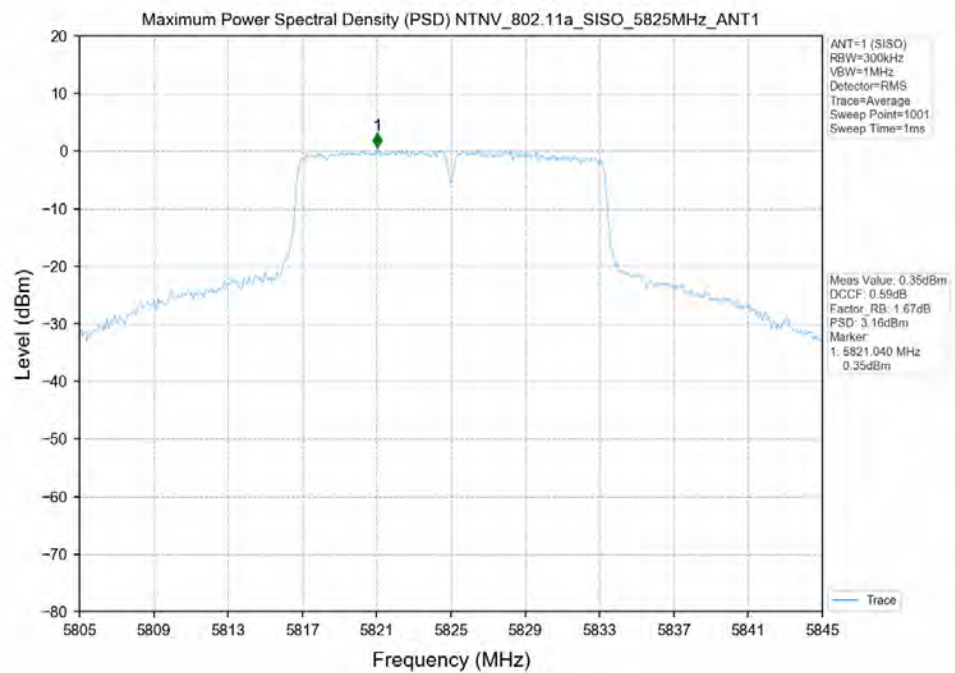
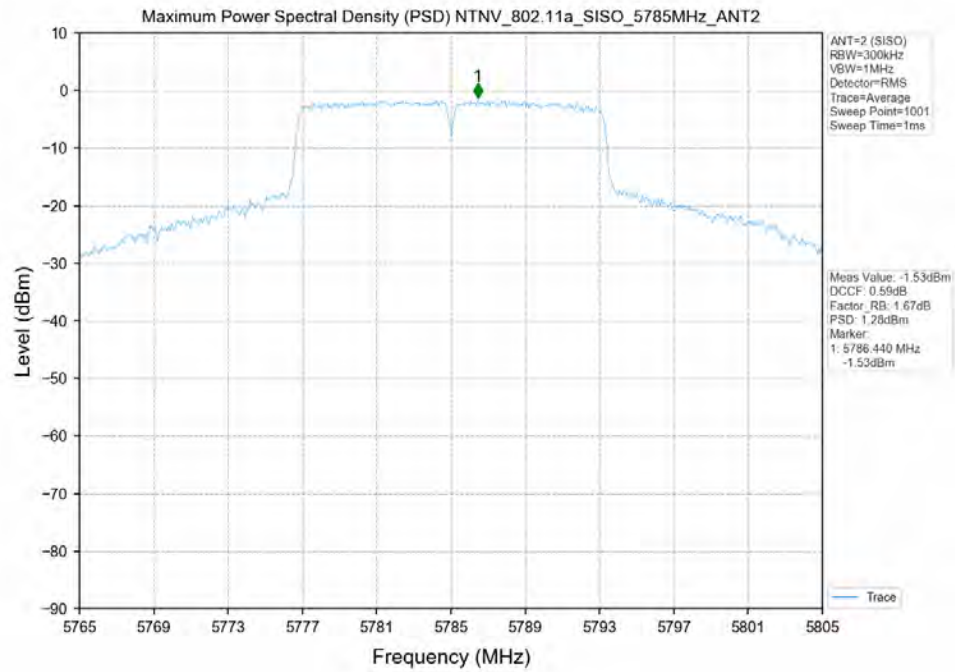


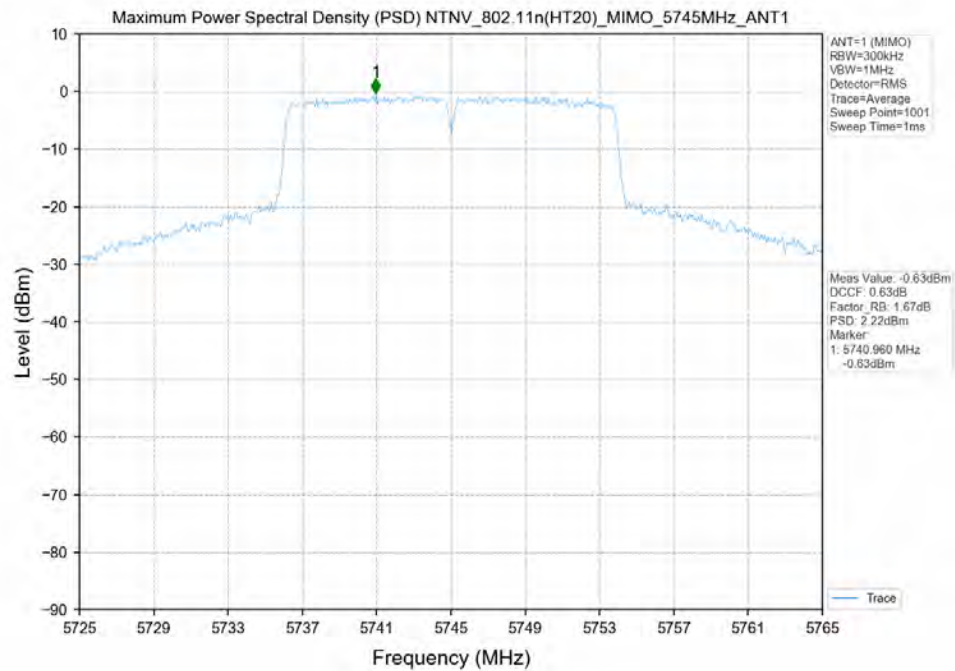
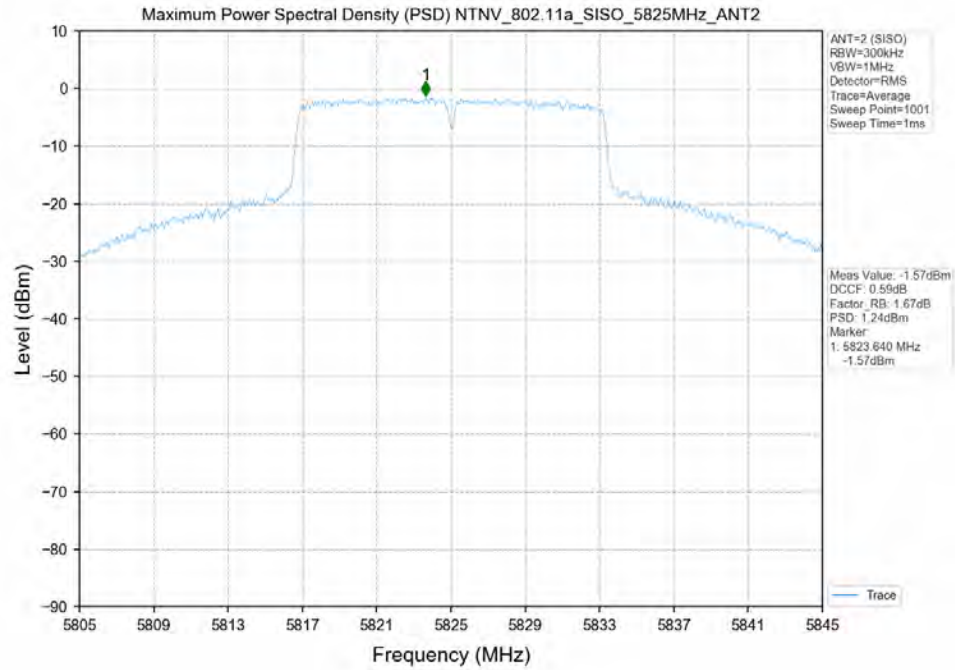


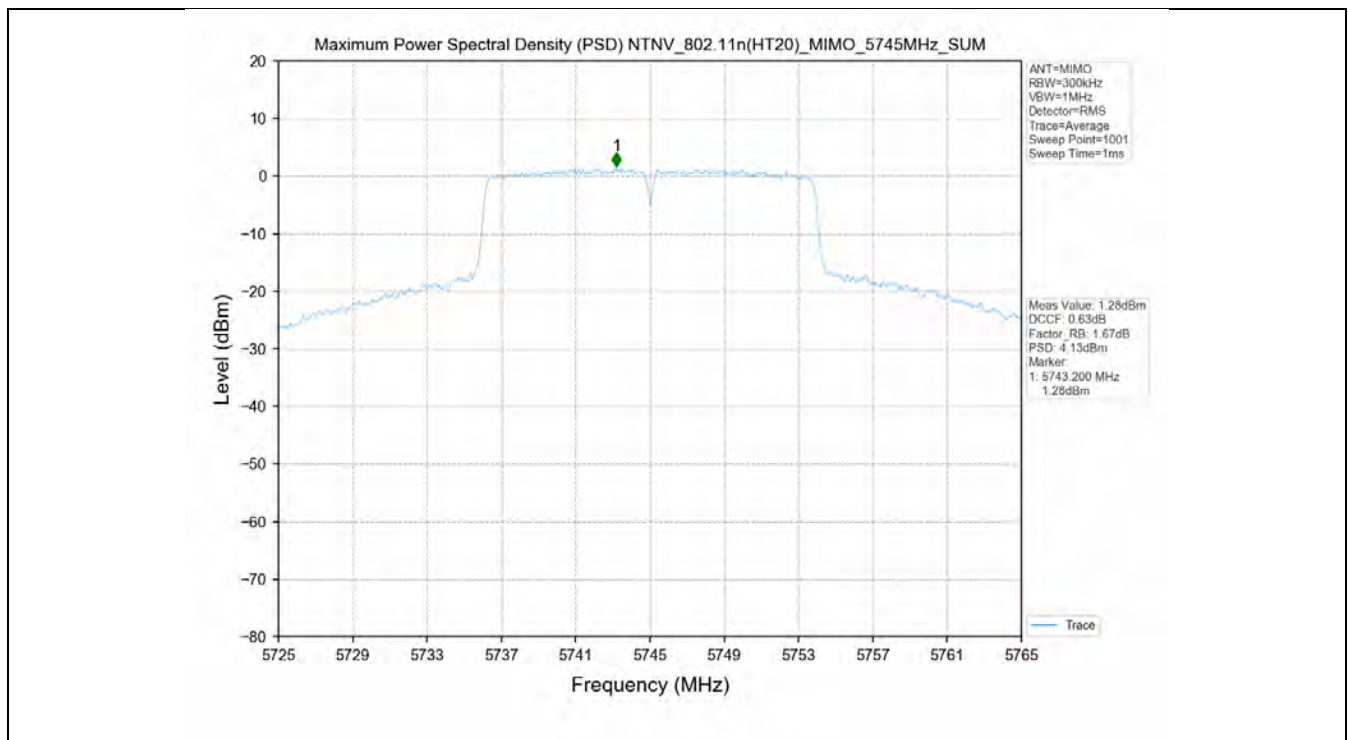
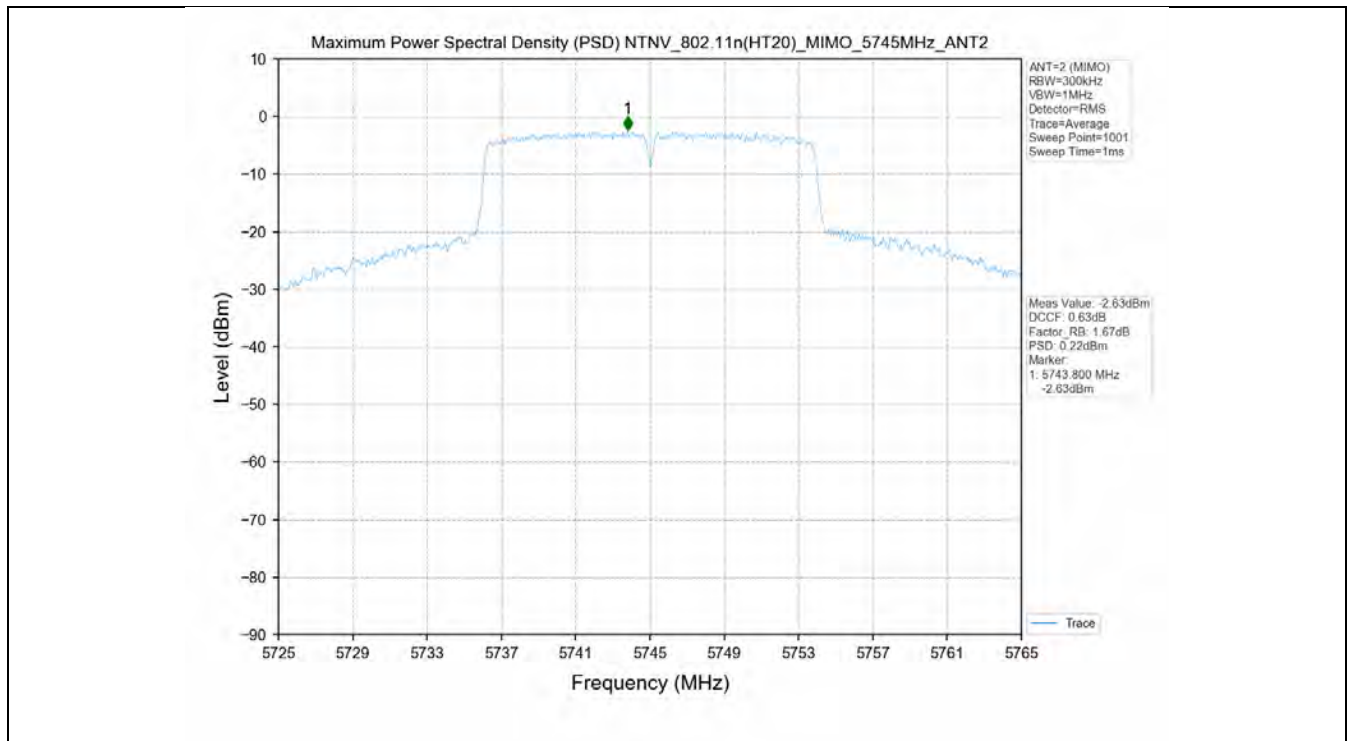


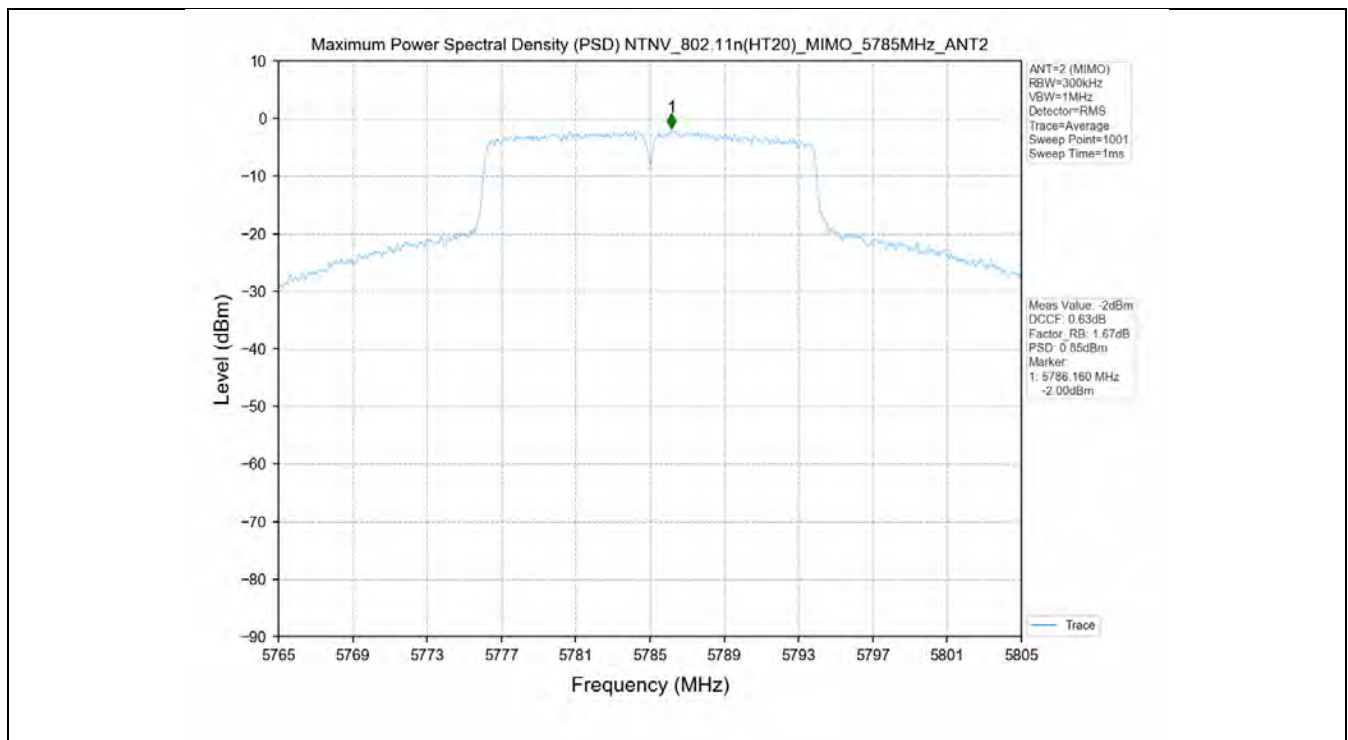
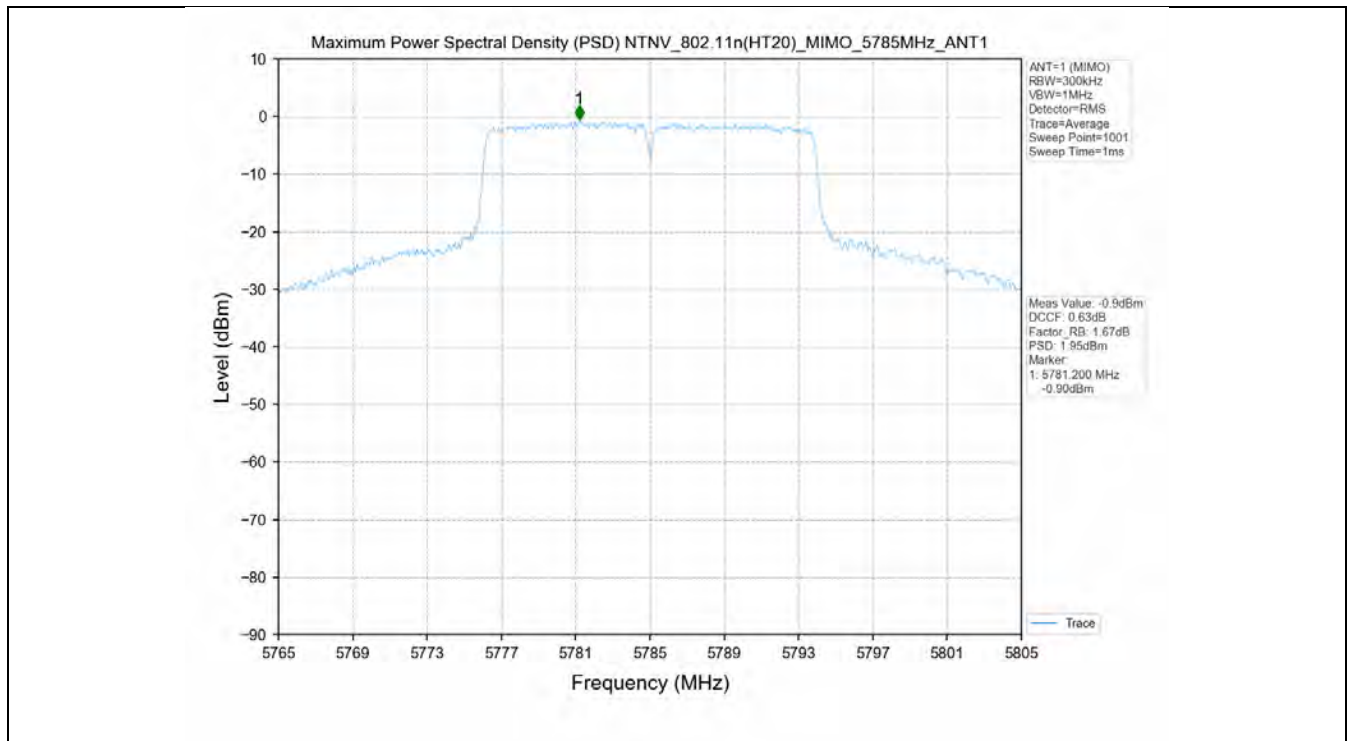


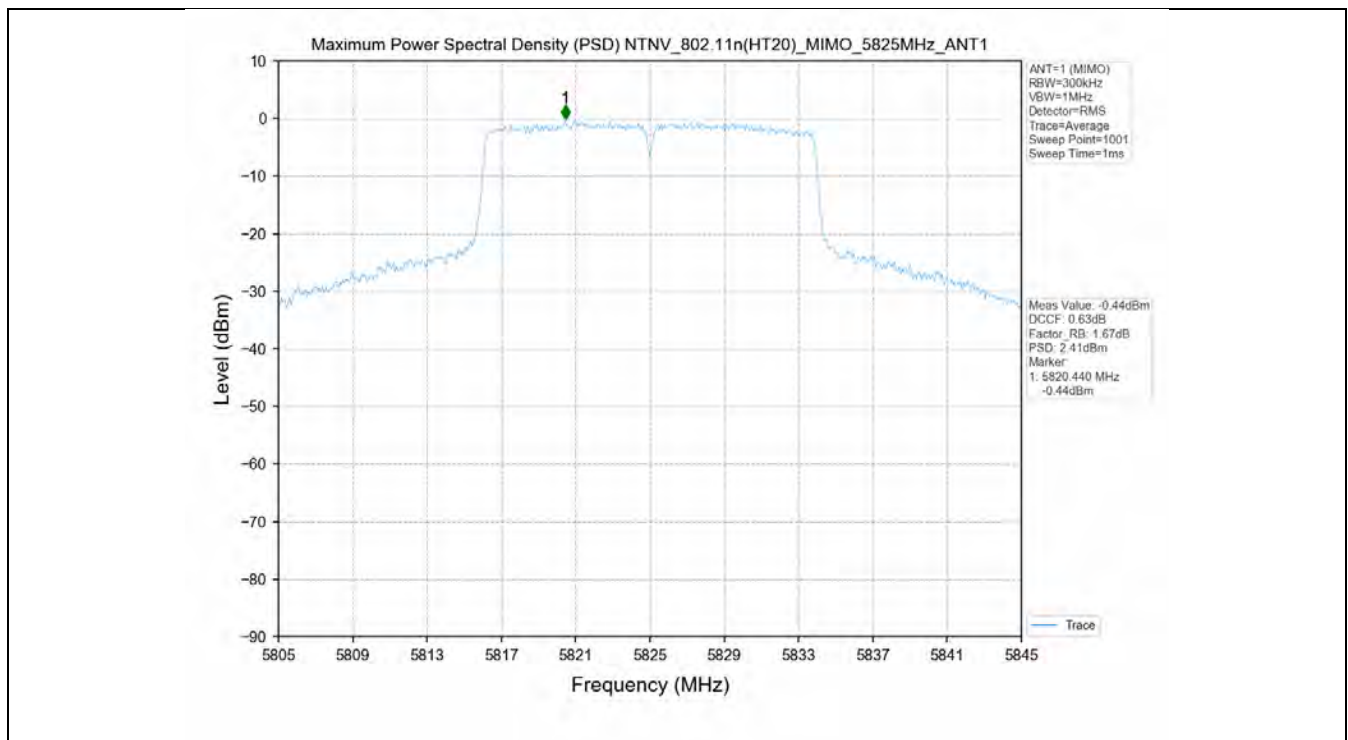
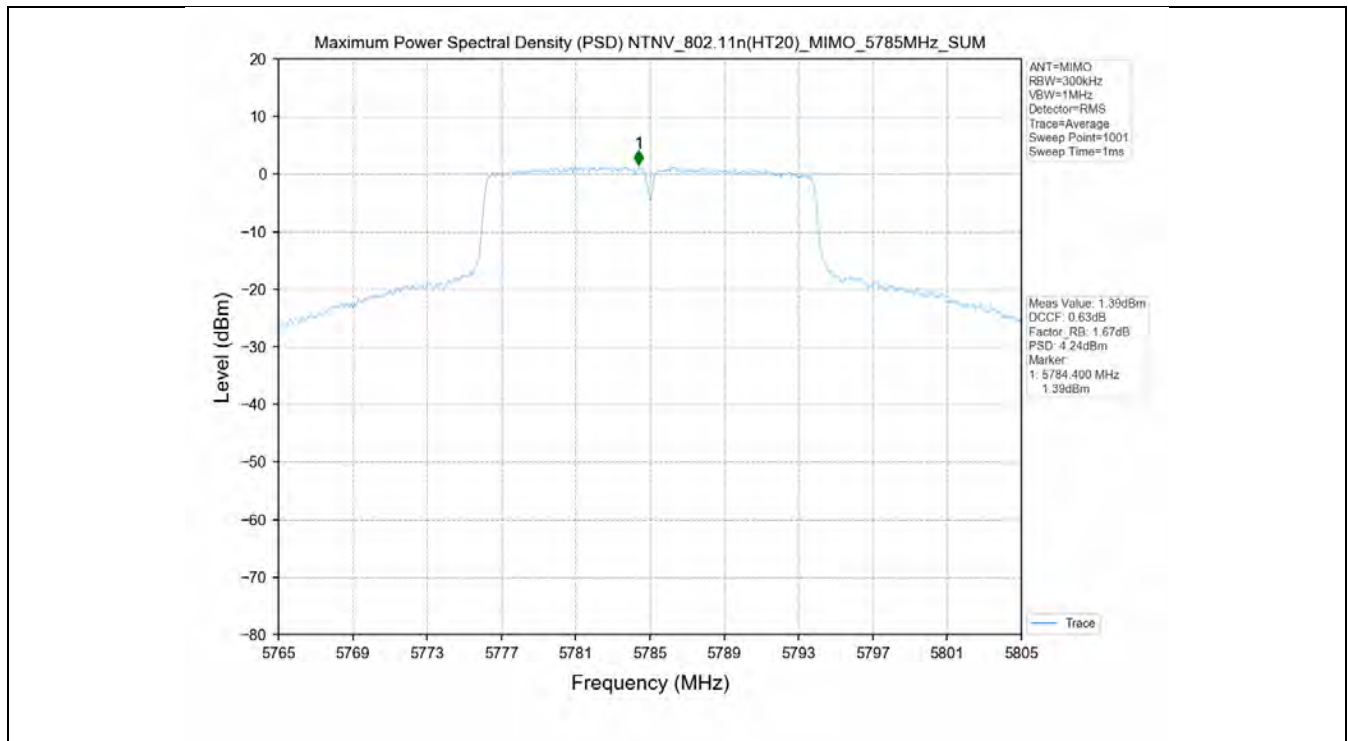


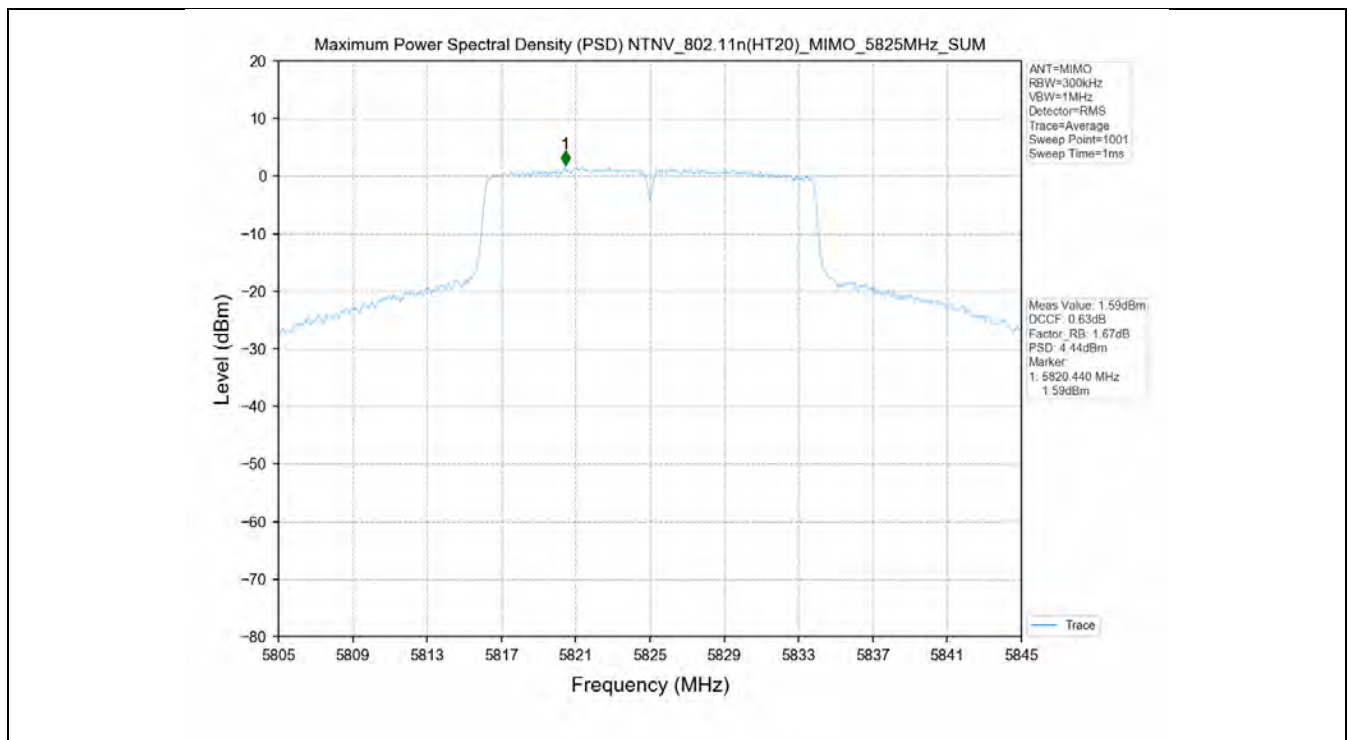
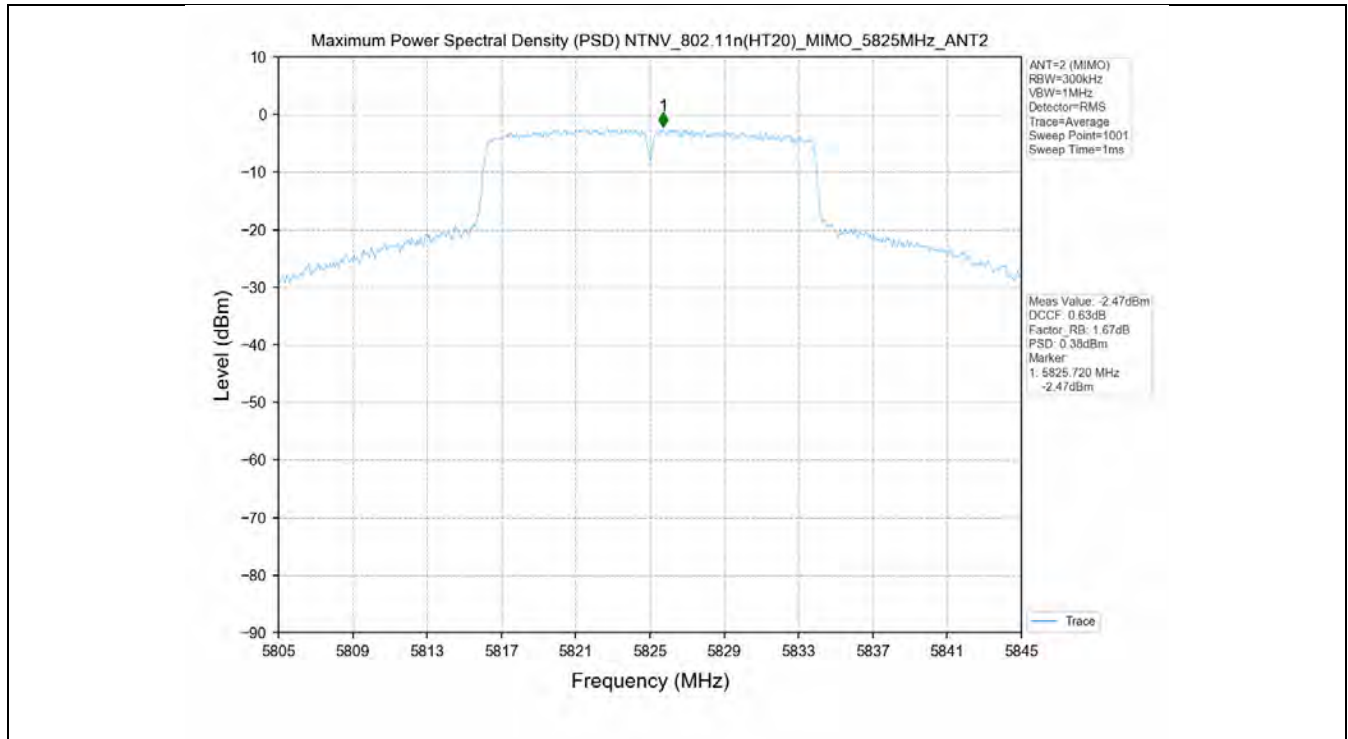


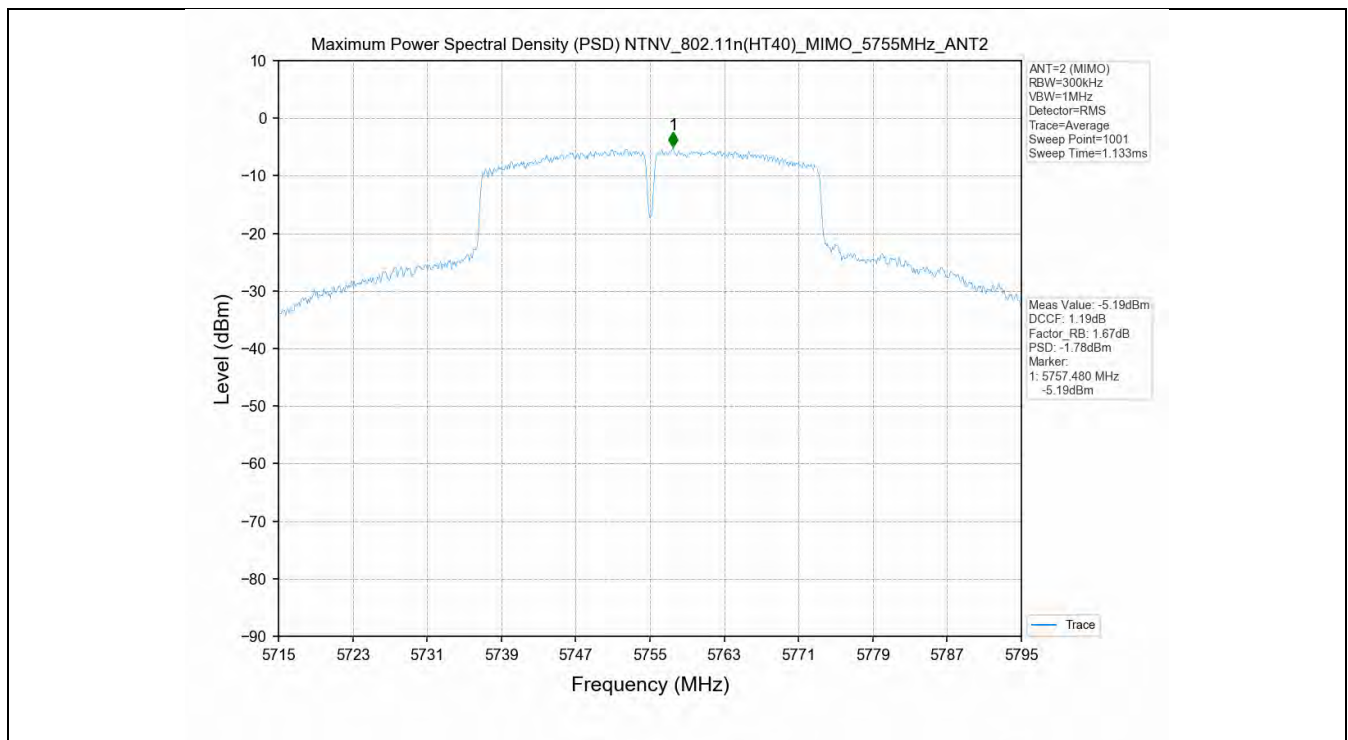
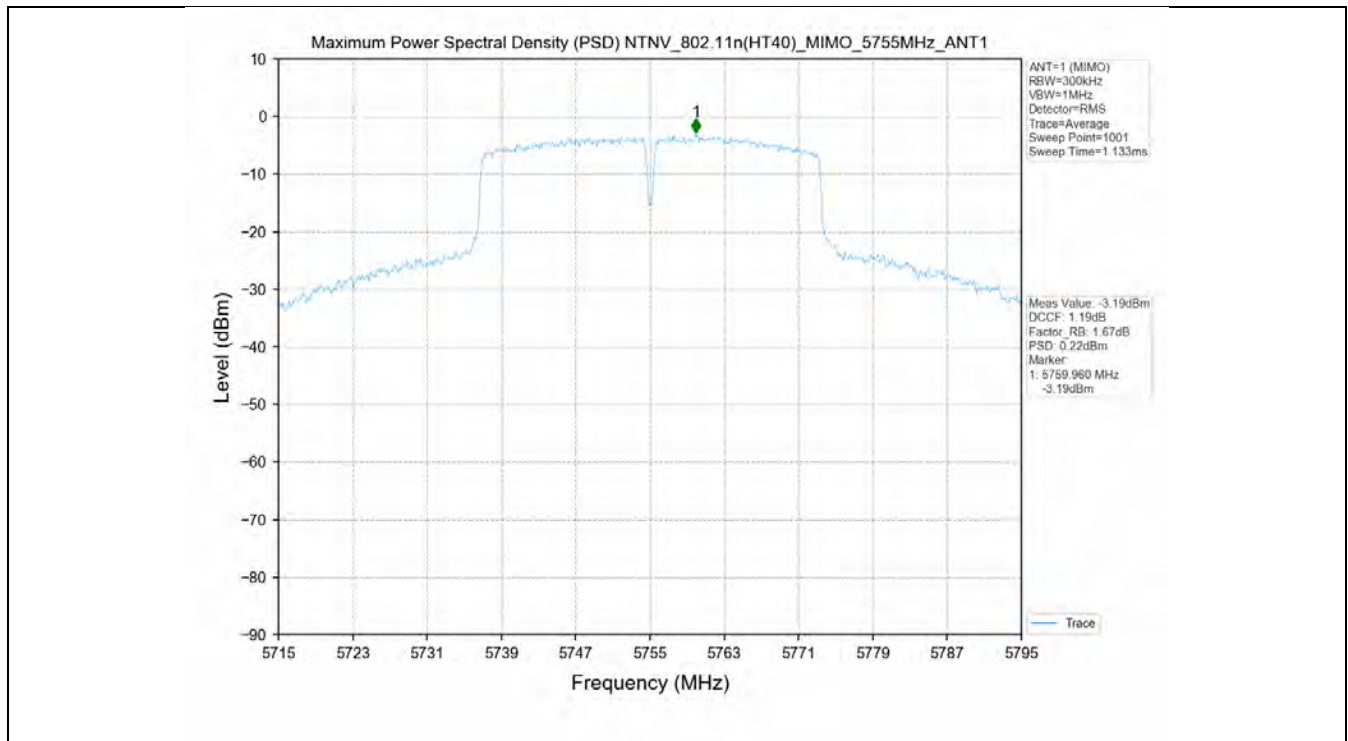


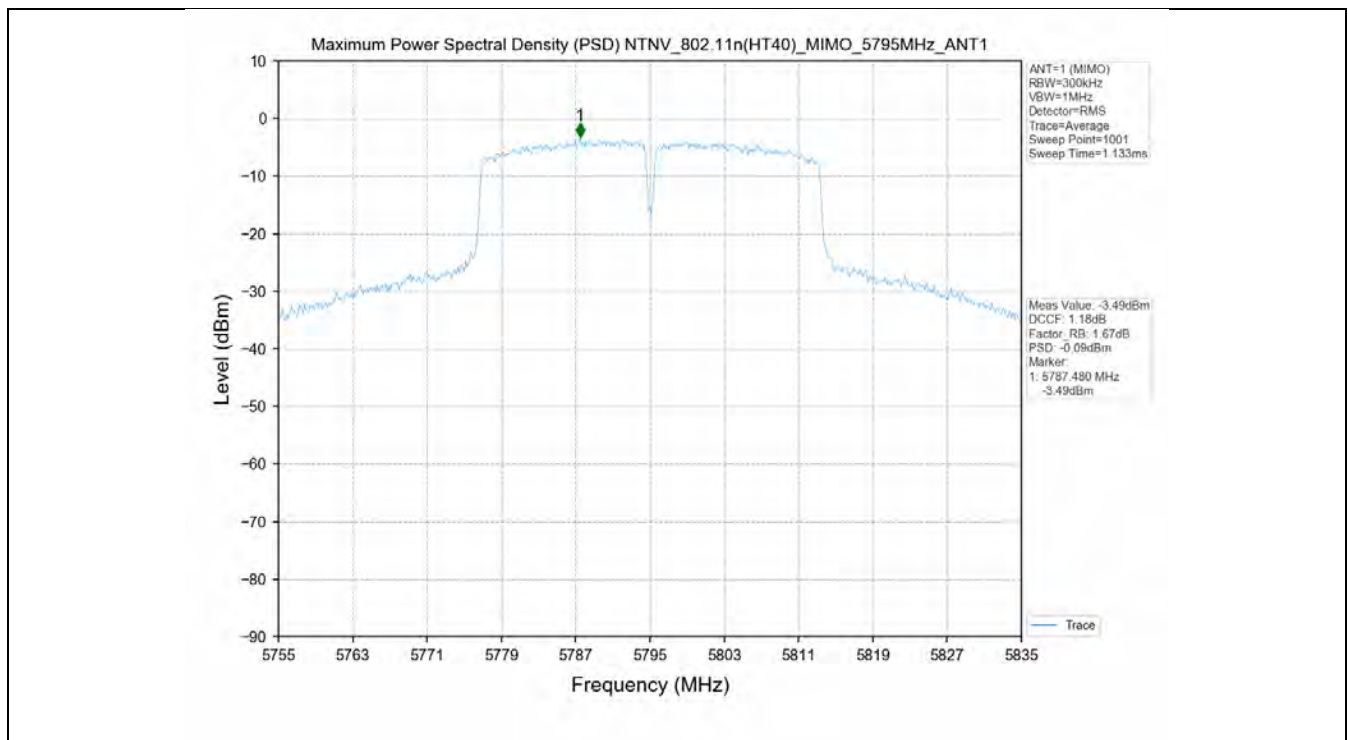
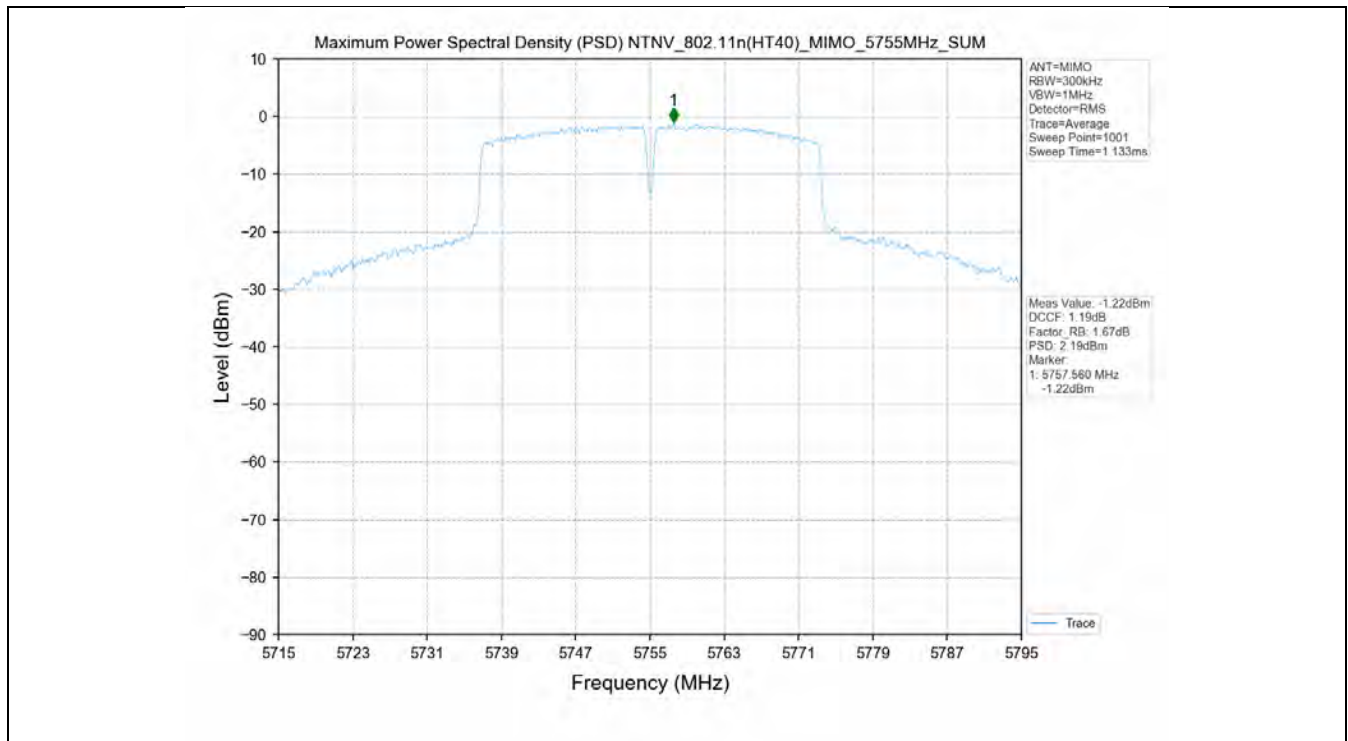


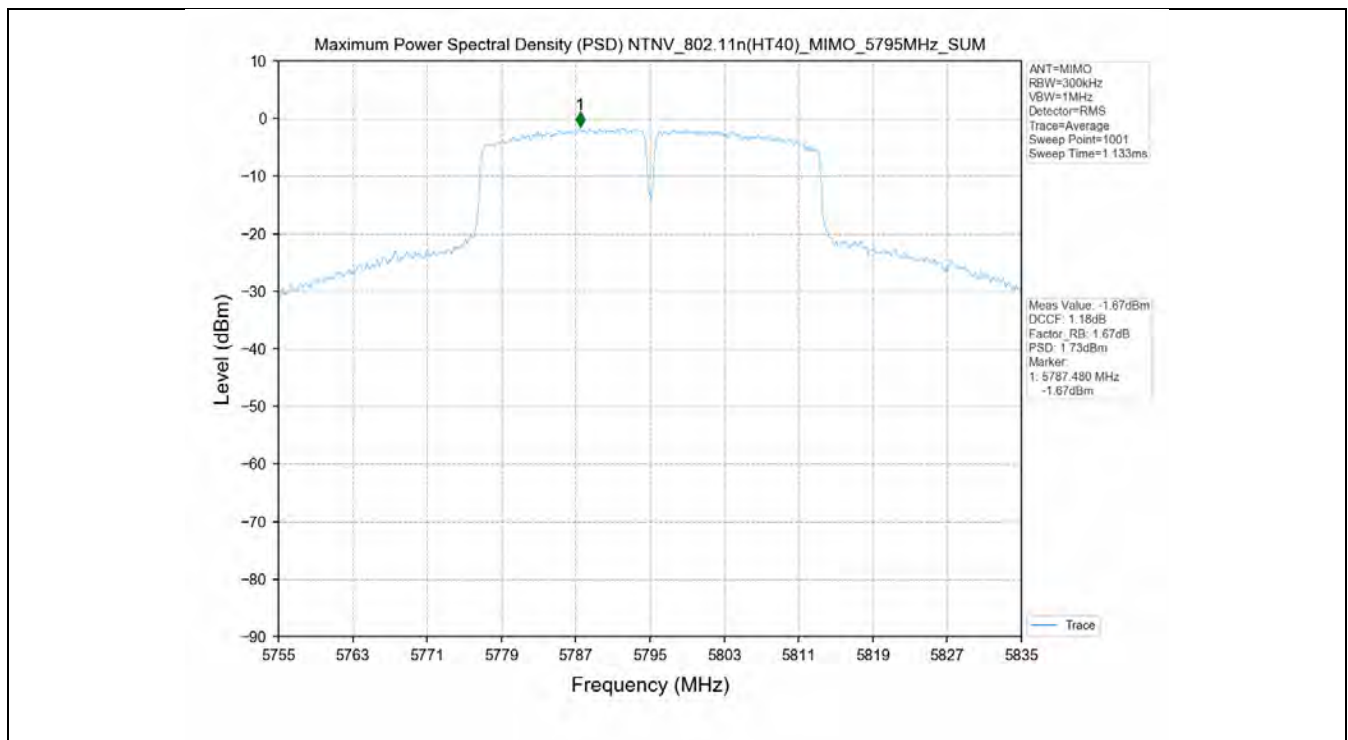
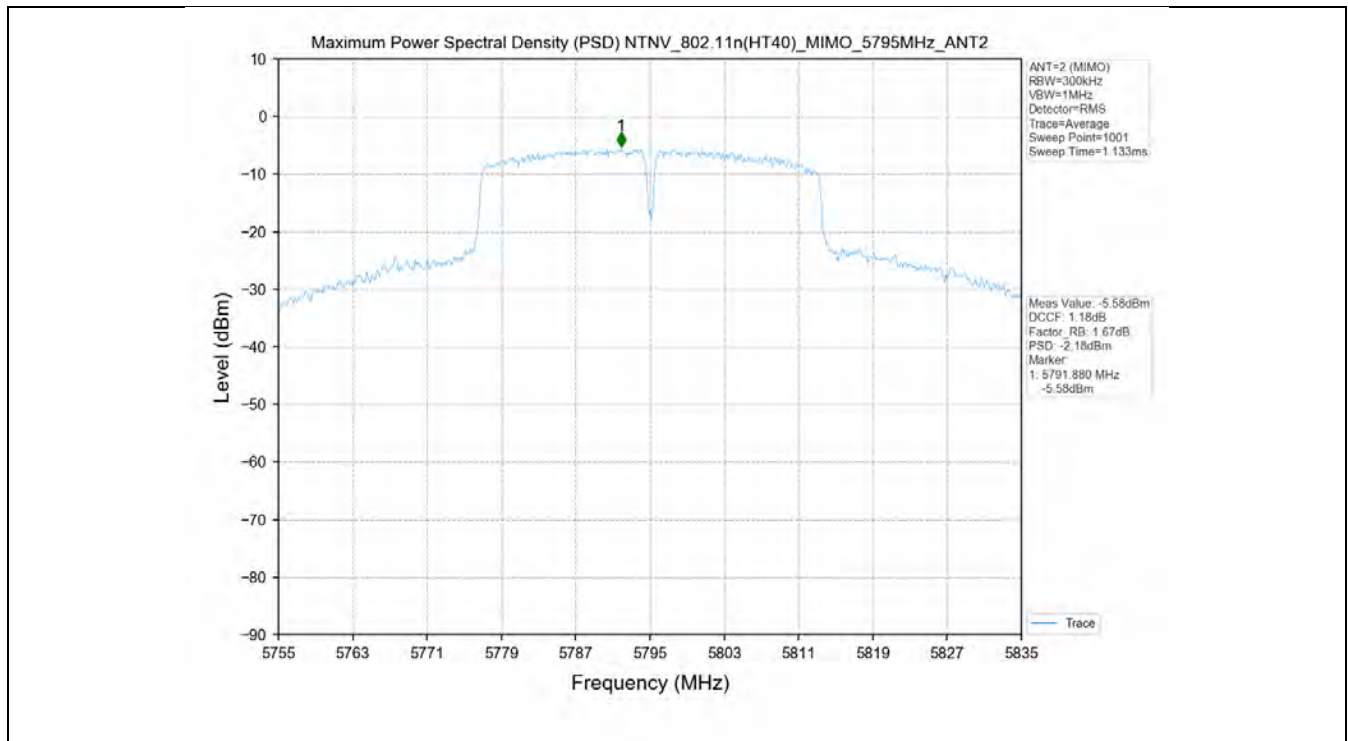


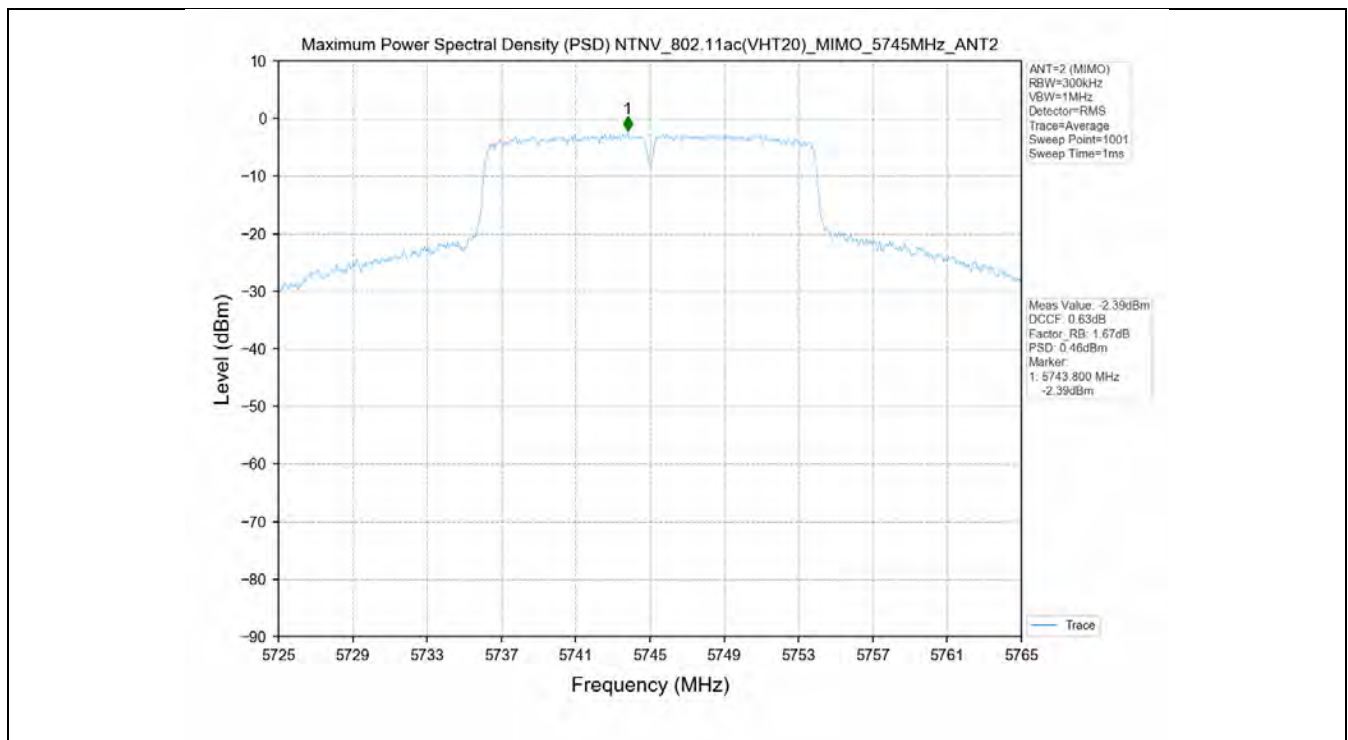
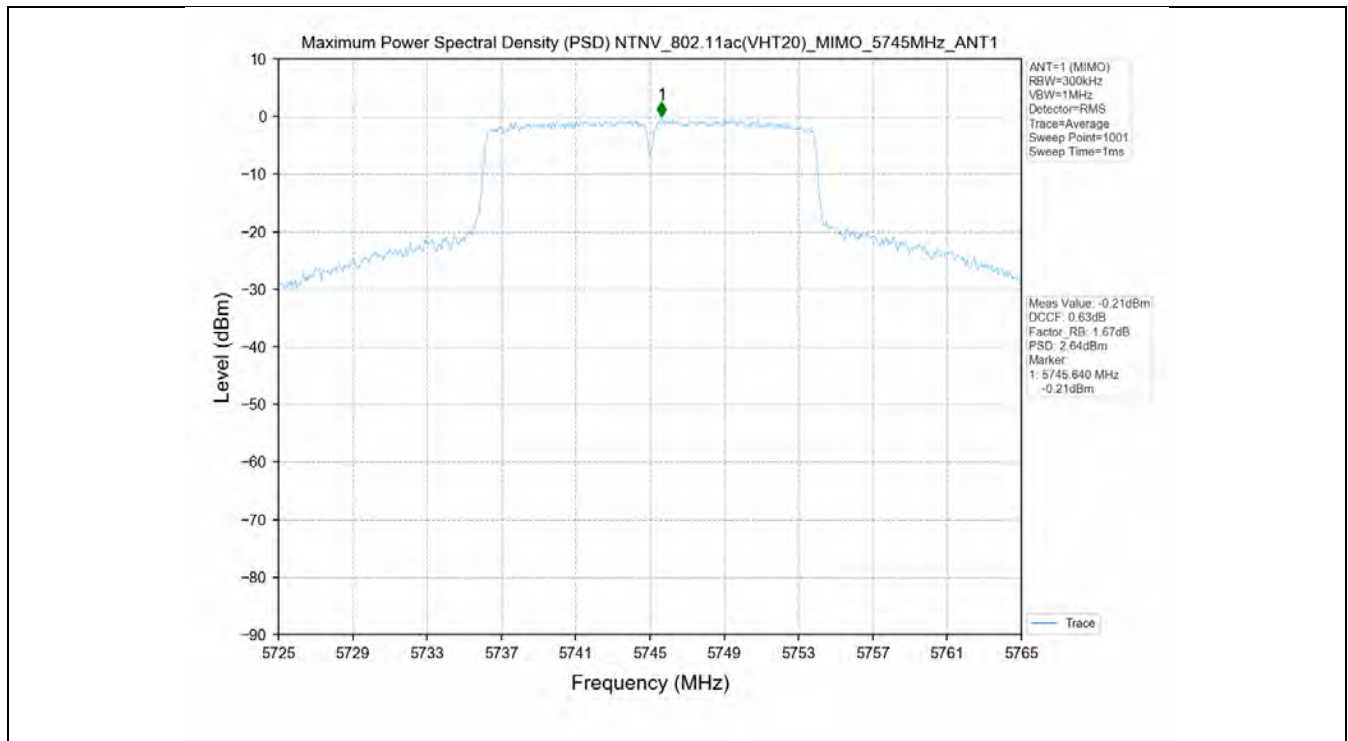


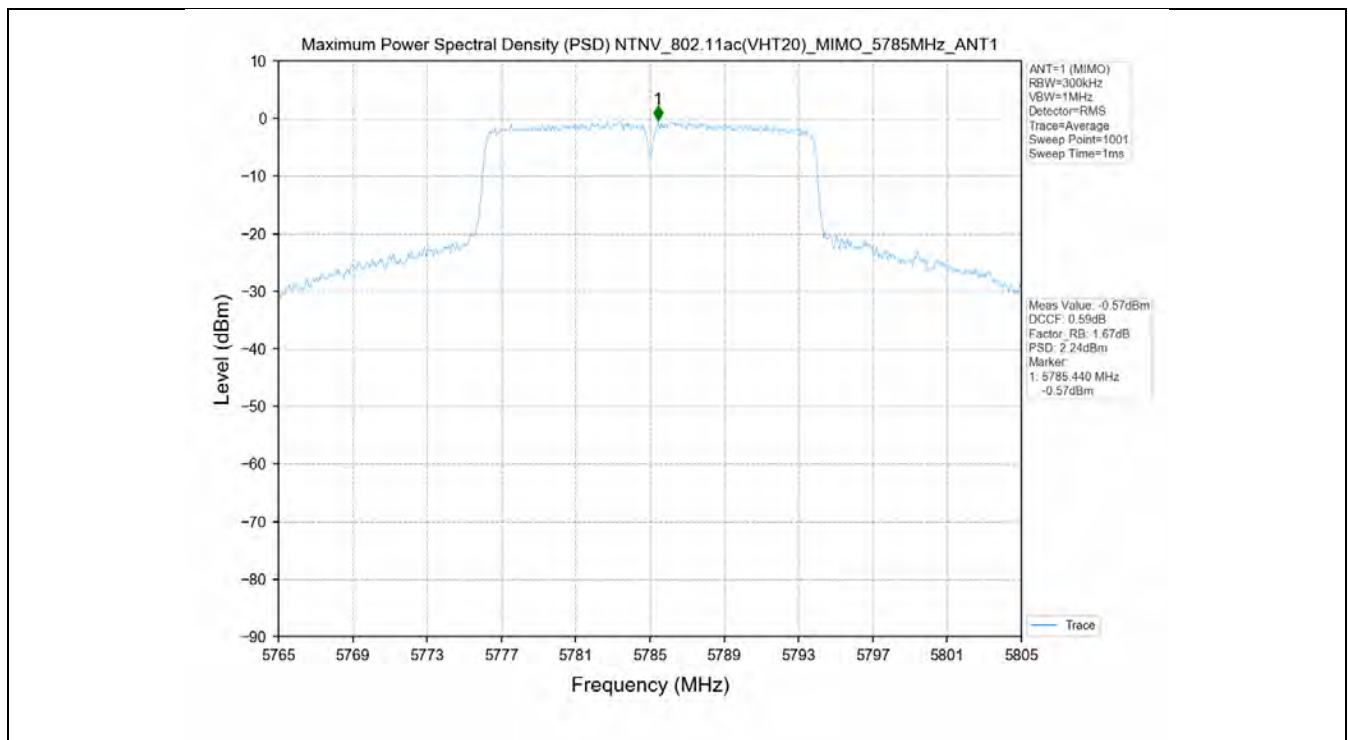
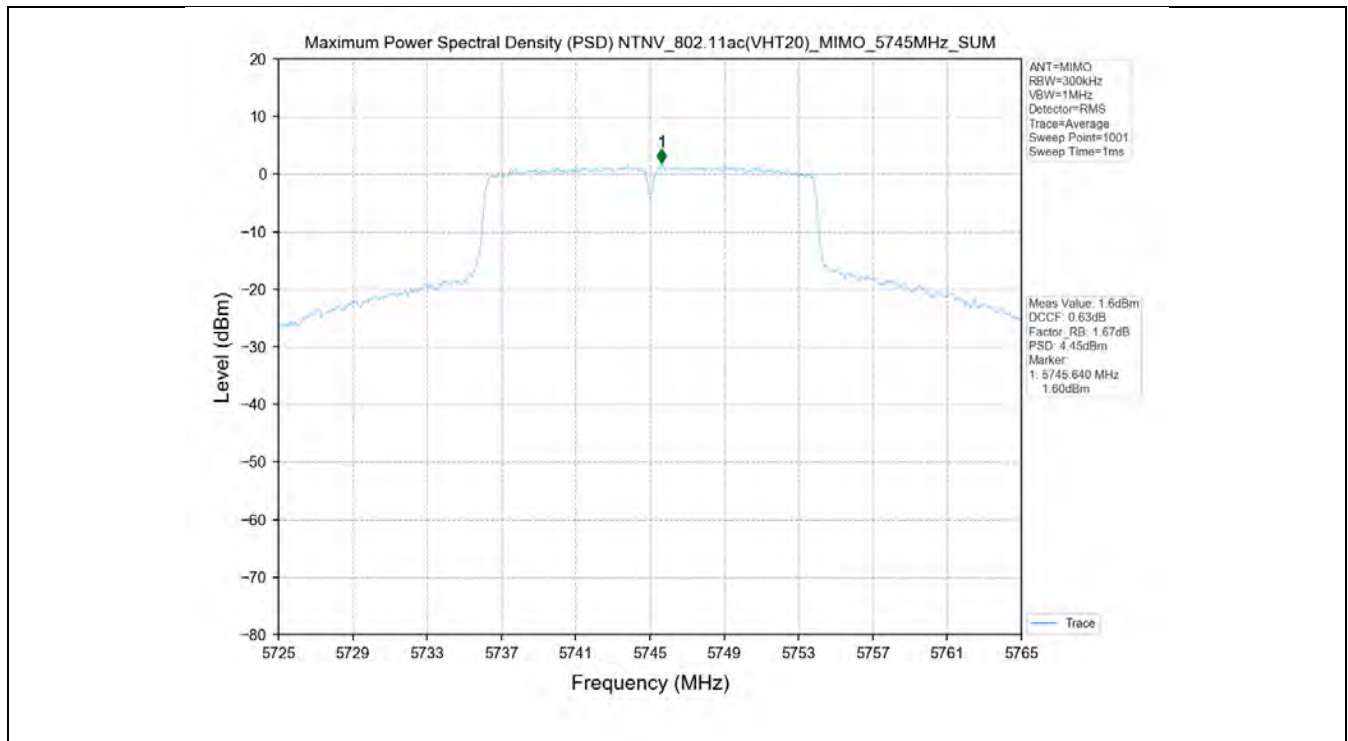


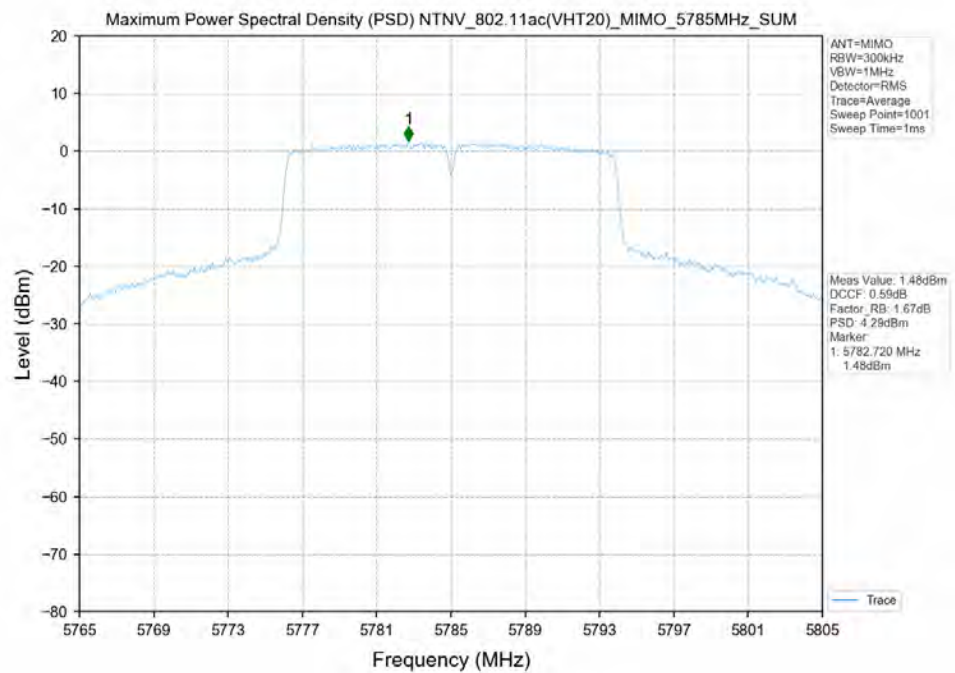
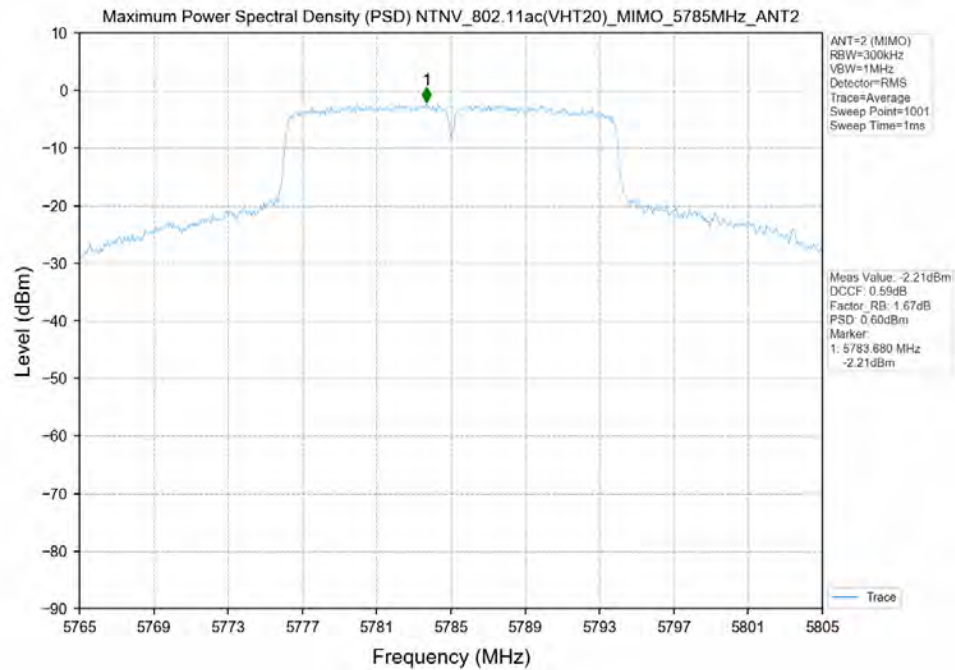


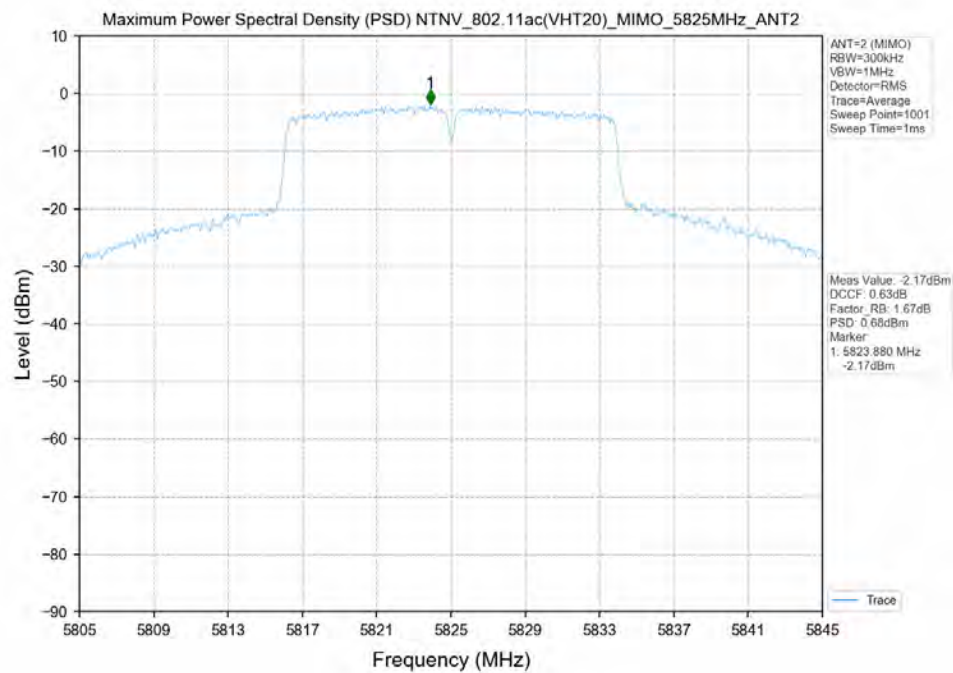
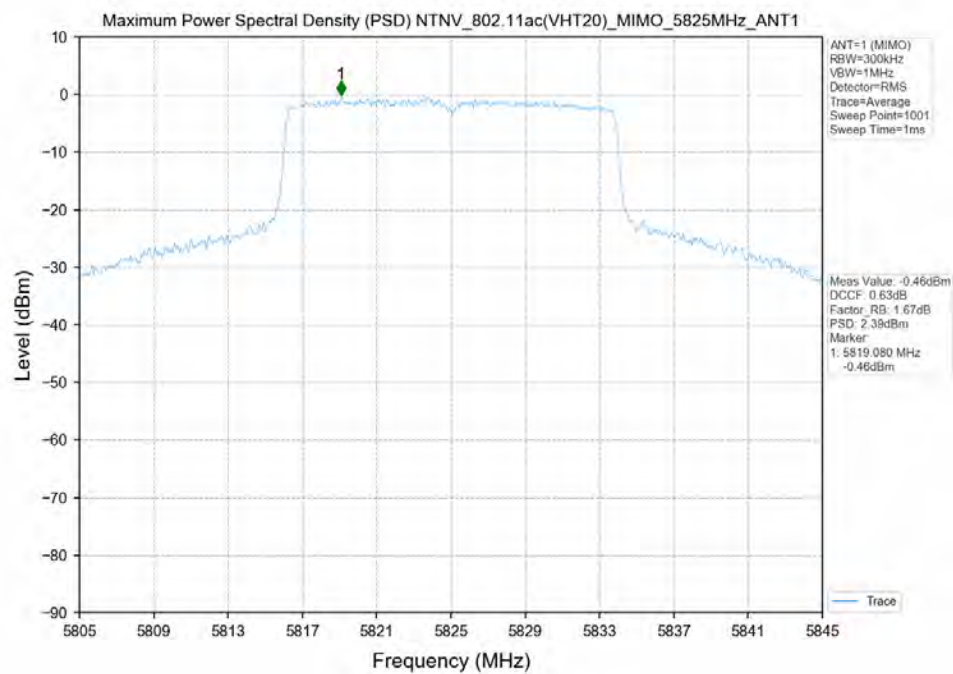


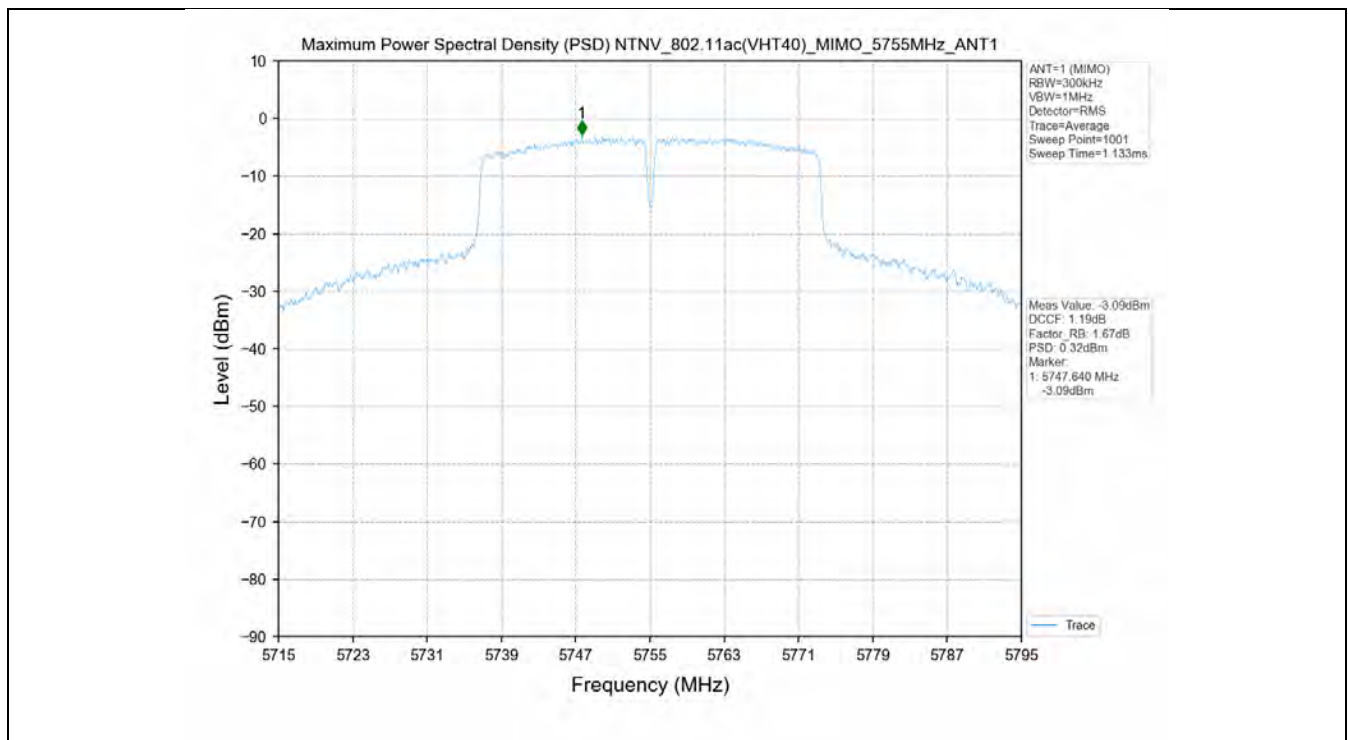
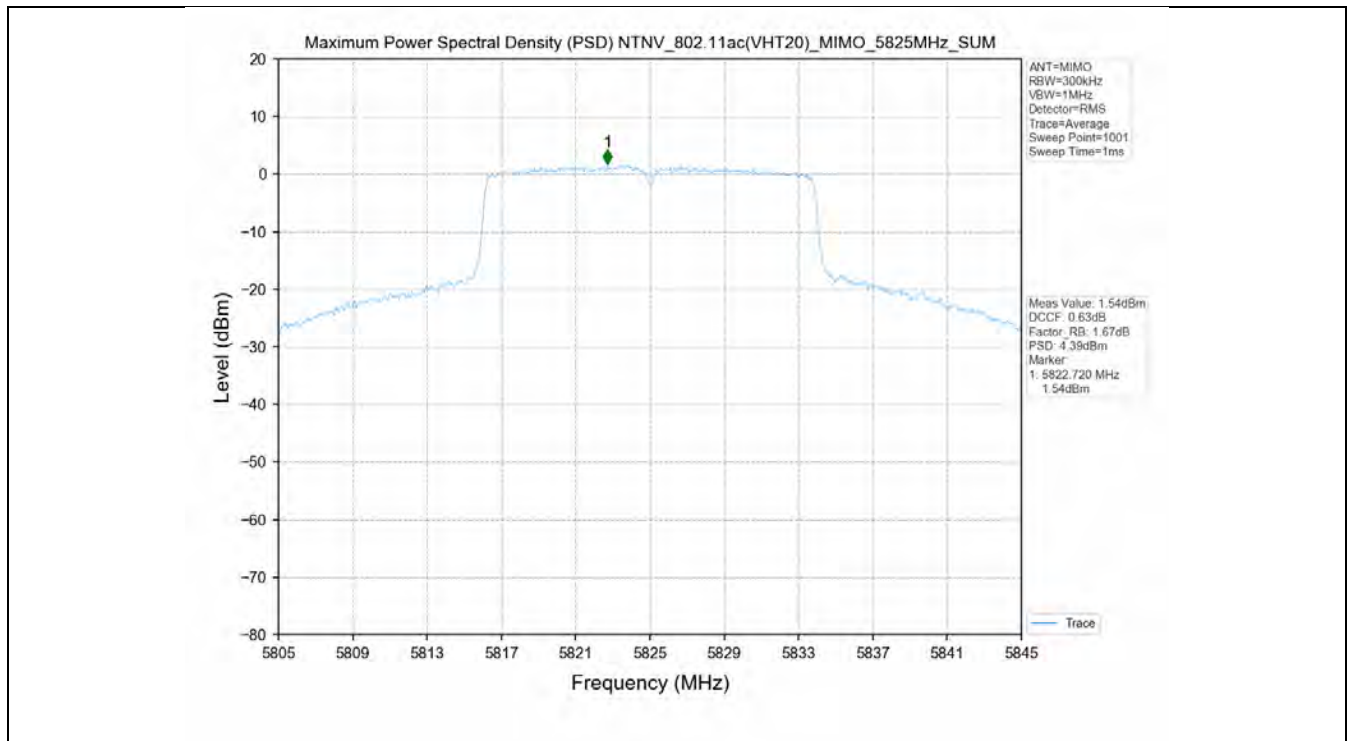


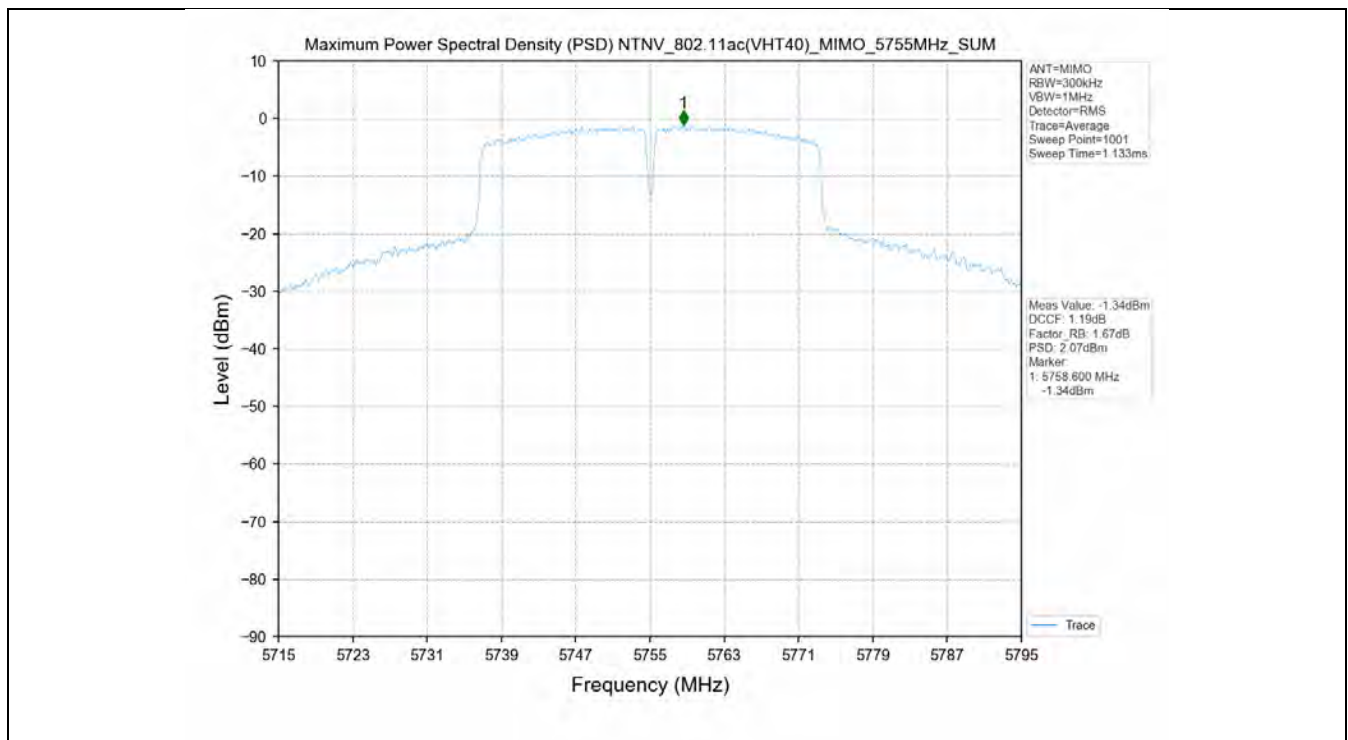
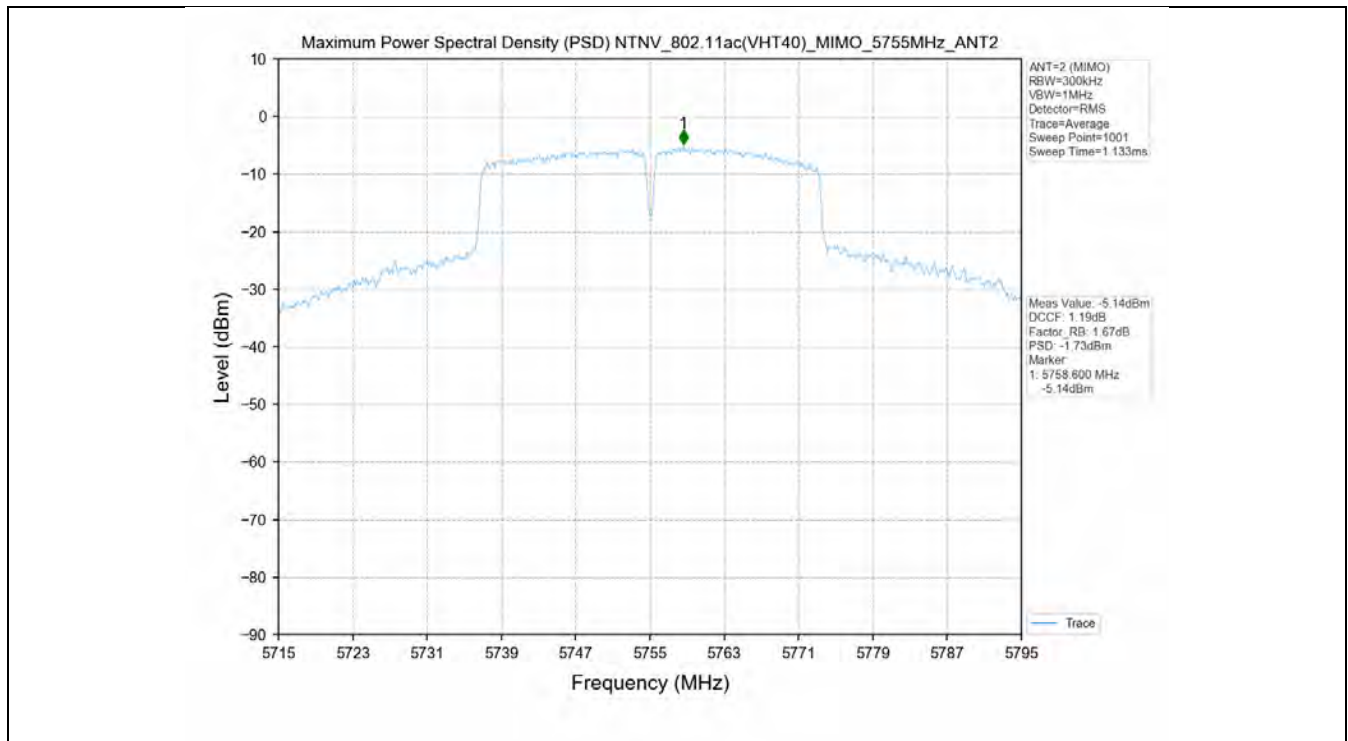


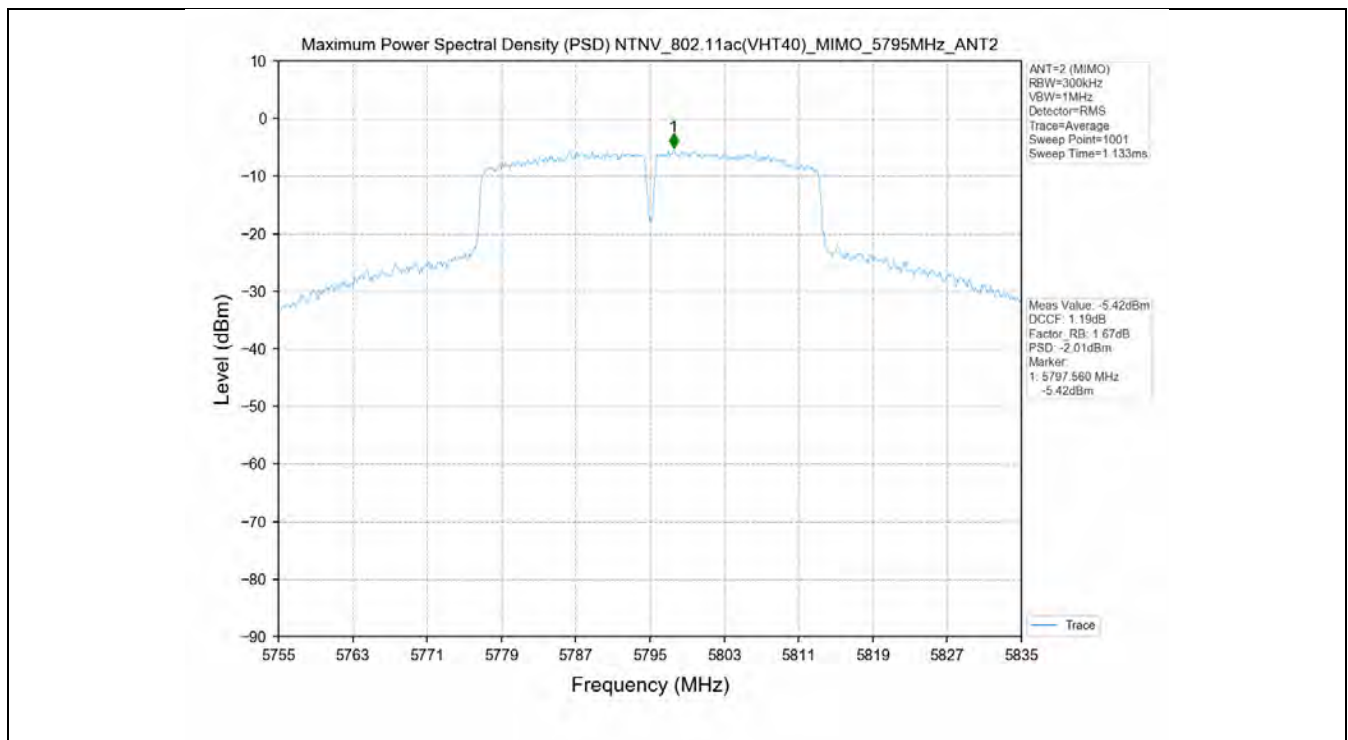
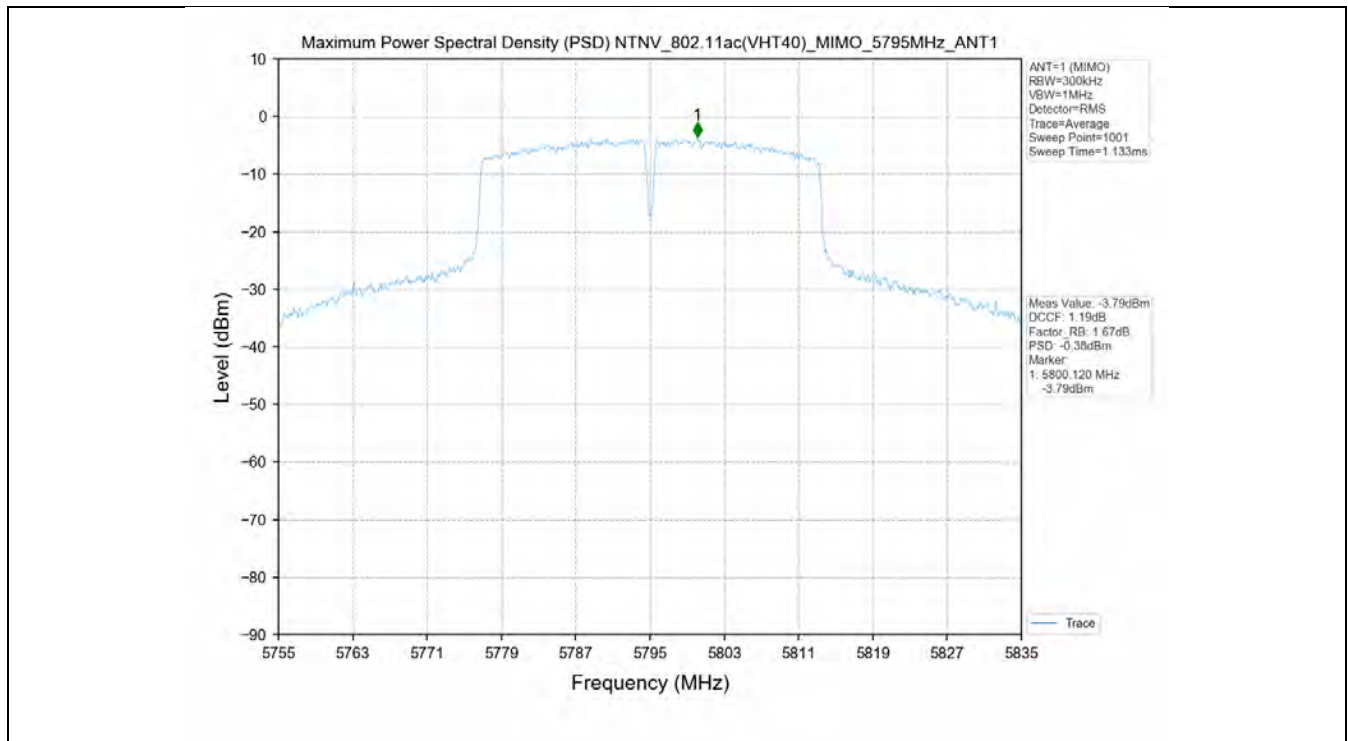


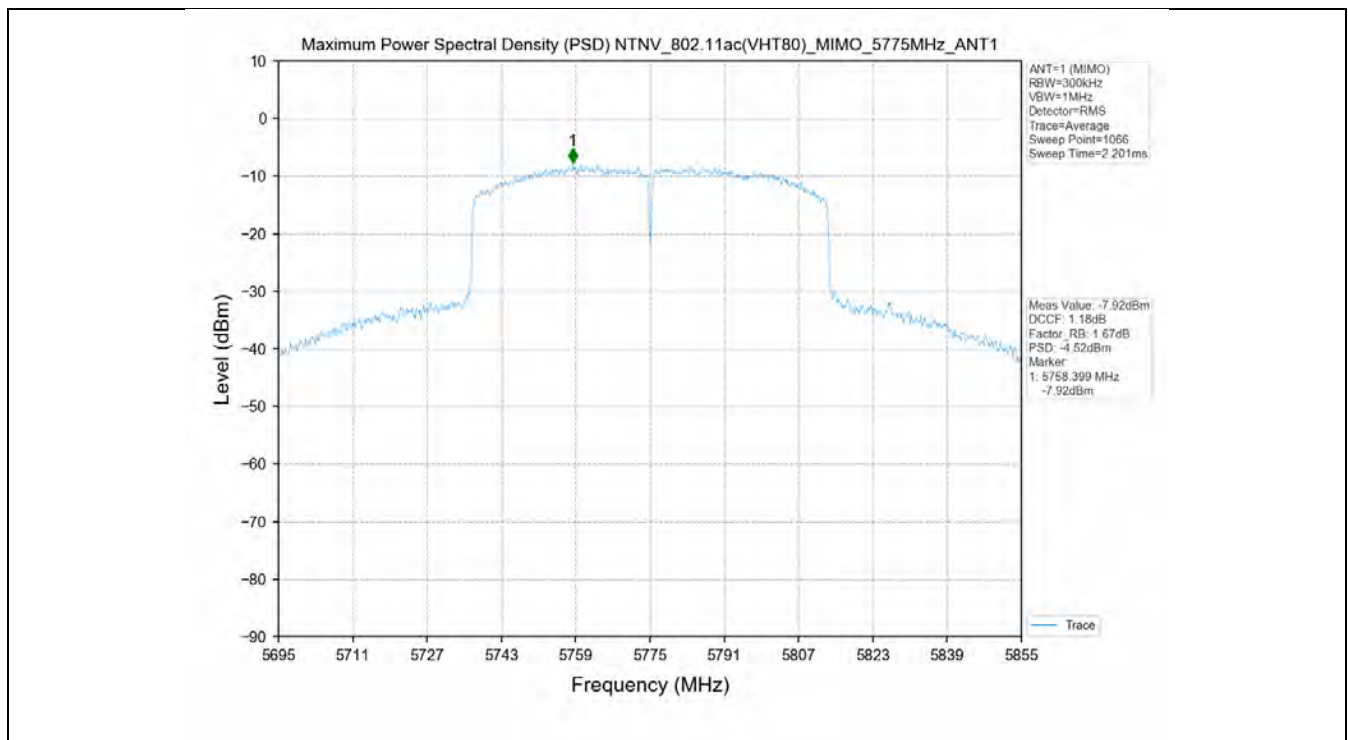
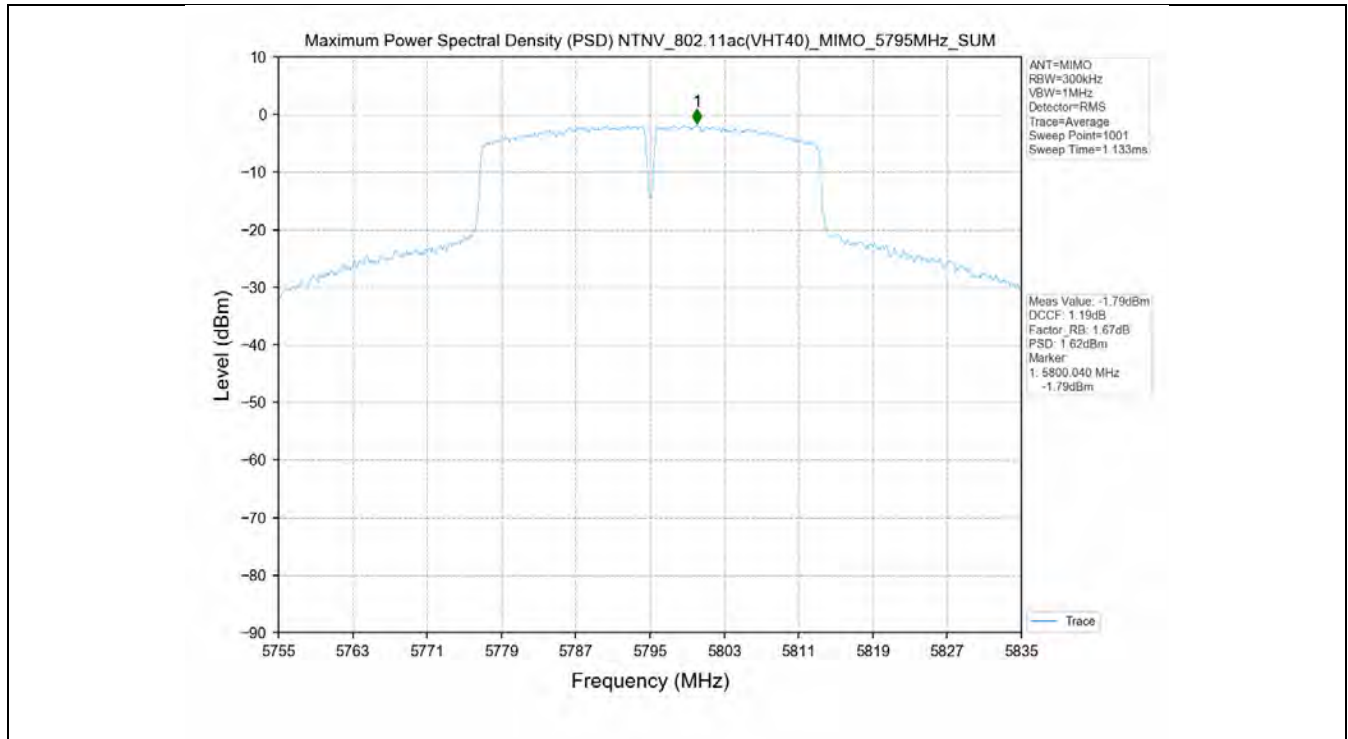


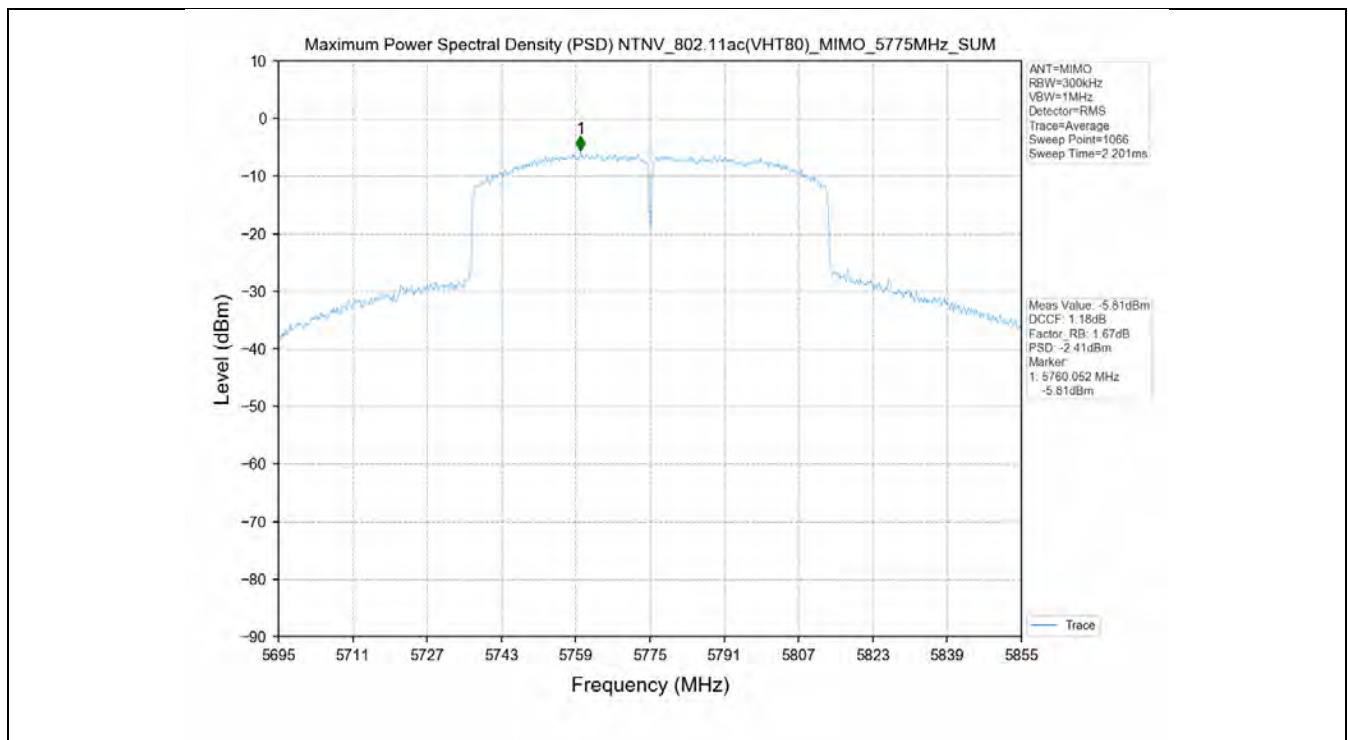
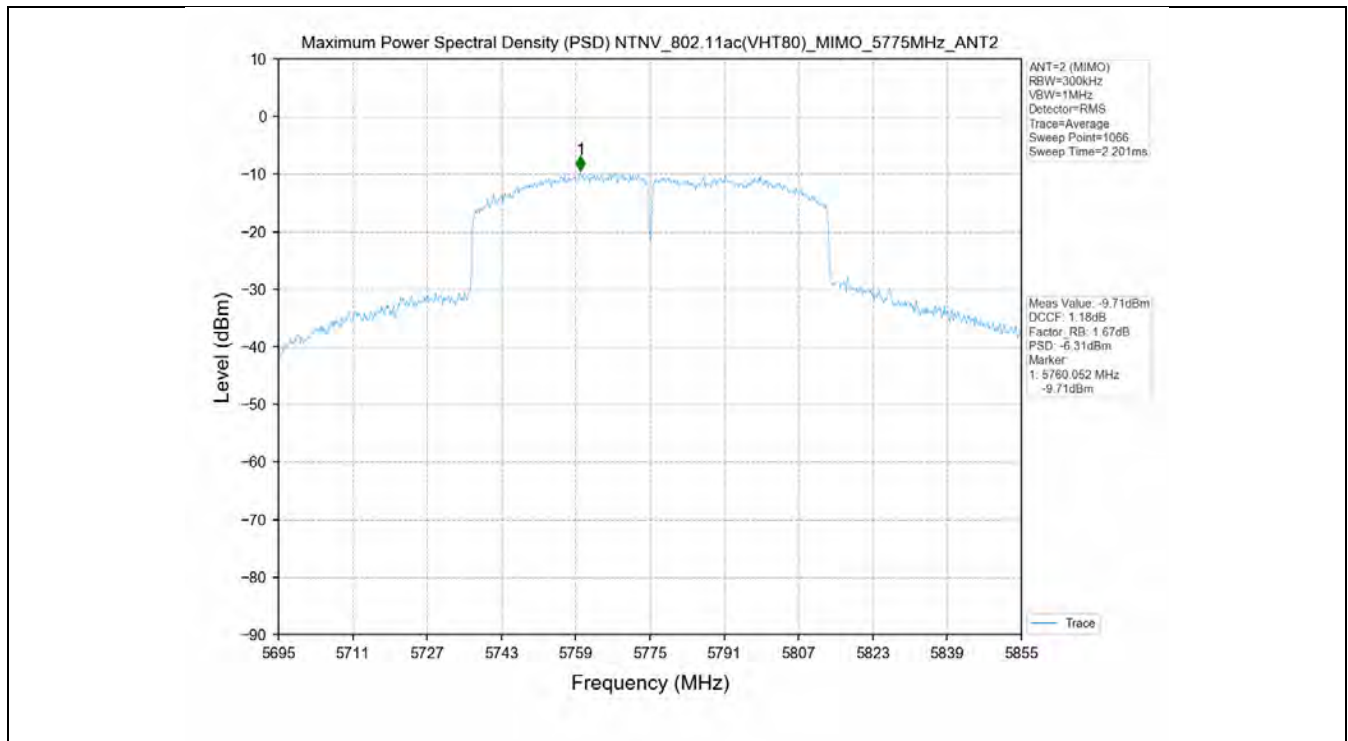














5. Frequency Stability

5.1 Test Result

Band	Test Conditions		Operation Frequency (MHz)	Test Frequency (MHz)	Freq. Dev. (MHz)	Limit (GHz)	Result
	Volt (V AC)	Temp (°C)		ANT1	ANT1		
Band U-NII 1	Normal(120)	Extreme(0)	5180	5180.0134	0.0134	5.150- 5.250	Pass
		Extreme(+10)		5180.0365	0.0365		Pass
		Extreme(+20)		5180.0186	0.0186		Pass
		Extreme(+35)		5180.0347	0.0347		Pass
	Extreme(102)	Norma(+20)	5240	5180.0231	0.0231		Pass
	Extreme(138)			5180.0317	0.0317		Pass
	Normal(120)	Extreme(0)		5240.0311	0.0311		Pass
		Extreme(+10)		5240.0221	0.0221		Pass
		Extreme(+20)		5240.0107	0.0107		Pass
		Extreme(+30)		5240.0258	0.0258		Pass
	Extreme(102)	Norma(20)		5240.0358	0.0358		Pass
	Extreme(138)			5240.0239	0.0239		Pass
Band	Test Conditions		Operation Frequency (MHz)	Test Frequency (MHz)	Freq. Dev. (MHz)	Limit (GHz)	Result
	Volt (V AC)	Temp (°C)		ANT1	ANT1		
Band U-NII 3	Normal(120)	Extreme(0)	5745	5745.0274	0.0274	5.725- 5.850	Pass
		Extreme(+10)		5745.0105	0.0105		Pass
		Extreme(+20)		5745.0400	0.0400		Pass
		Extreme(+30)		5745.0229	0.0229		Pass
	Extreme(102)	Norma(+20)	5825	5745.0121	0.0121		Pass
	Extreme(138)			5745.0323	0.0323		Pass
	Normal(120)	Extreme(0)		5825.0289	0.0289		Pass
		Extreme(+10)		5825.0290	0.290		Pass
		Extreme(+20)		5825.0159	0.0159		Pass
		Extreme(+30)		5825.0267	0.0267		Pass
	Extreme(102)	Norma(20)		5825.0196	0.0196		Pass
	Extreme(138)			5825.0333	0.0333		Pass