

Annex for 5G WIFI

Test Report No. : CTL2006182101-WF04

1. Bandwidth

1.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5180	SISO	1	21.746	Only for Report Use	PASS
	5200	SISO	1	21.084	Only for Report Use	PASS
	5240	SISO	1	21.193	Only for Report Use	PASS
	5260	SISO	1	21.153	Only for Report Use	PASS
	5300	SISO	1	20.930	Only for Report Use	PASS
	5320	SISO	1	22.310	Only for Report Use	PASS
	5500	SISO	1	21.524	Only for Report Use	PASS
	5580	SISO	1	20.887	Only for Report Use	PASS
	5600	SISO	1	20.774	Only for Report Use	PASS
	5700	SISO	1	21.305	Only for Report Use	PASS
802.11n(HT20)	5180	SISO	1	21.507	Only for Report Use	PASS
	5200	SISO	1	21.582	Only for Report Use	PASS
	5240	SISO	1	21.377	Only for Report Use	PASS
	5260	SISO	1	21.366	Only for Report Use	PASS
	5300	SISO	1	21.378	Only for Report Use	PASS
	5320	SISO	1	22.121	Only for Report Use	PASS
	5500	SISO	1	21.413	Only for Report Use	PASS
	5580	SISO	1	21.488	Only for Report Use	PASS
	5600	SISO	1	21.312	Only for Report Use	PASS
	5700	SISO	1	21.463	Only for Report Use	PASS
802.11n(HT40)	5190	SISO	1	44.338	Only for Report Use	PASS
	5230	SISO	1	39.534	Only for Report Use	PASS
	5270	SISO	1	39.399	Only for Report Use	PASS
	5310	SISO	1	41.241	Only for Report Use	PASS

	5510	SISO	1	42.246	Only for Report Use	PASS
	5550	SISO	1	44.733	Only for Report Use	PASS
	5590	SISO	1	39.621	Only for Report Use	PASS
	5670	SISO	1	39.694	Only for Report Use	PASS
802.11ac(VHT20)	5180	SISO	1	21.303	Only for Report Use	PASS
	5200	SISO	1	21.239	Only for Report Use	PASS
	5240	SISO	1	21.352	Only for Report Use	PASS
	5260	SISO	1	21.327	Only for Report Use	PASS
	5300	SISO	1	21.287	Only for Report Use	PASS
	5320	SISO	1	21.548	Only for Report Use	PASS
	5500	SISO	1	23.732	Only for Report Use	PASS
	5580	SISO	1	21.573	Only for Report Use	PASS
	5600	SISO	1	21.025	Only for Report Use	PASS
	5700	SISO	1	21.646	Only for Report Use	PASS
802.11ac(VHT40)	5190	SISO	1	45.388	Only for Report Use	PASS
	5230	SISO	1	39.570	Only for Report Use	PASS
	5270	SISO	1	40.451	Only for Report Use	PASS
	5310	SISO	1	39.676	Only for Report Use	PASS
	5510	SISO	1	40.654	Only for Report Use	PASS
	5550	SISO	1	39.561	Only for Report Use	PASS
	5590	SISO	1	39.617	Only for Report Use	PASS
	5670	SISO	1	42.126	Only for Report Use	PASS
802.11ac(VHT80)	5210	SISO	1	80.694	Only for Report Use	PASS
	5290	SISO	1	80.646	Only for Report Use	PASS
	5530	SISO	1	81.062	Only for Report Use	PASS
	5610	SISO	1	80.620	Only for Report Use	PASS

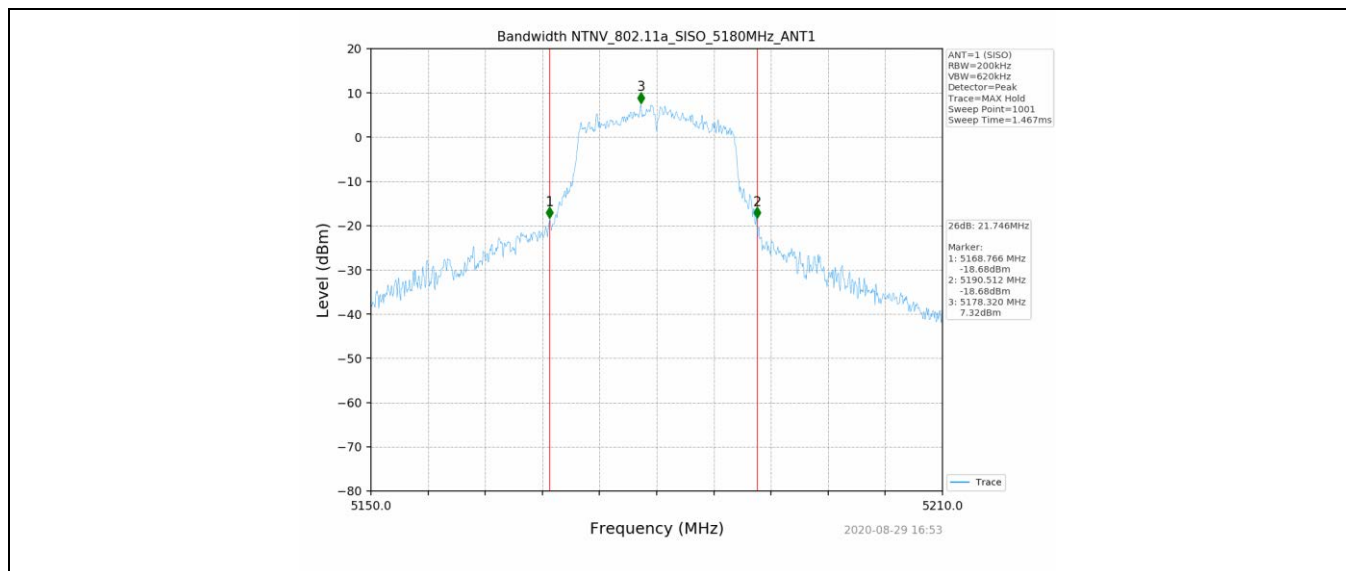
Test Mode	Frequency (MHz)	TX Type	ANT No.	Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11a	5745	SISO	1	16.301	≥0.5	PASS
	5785	SISO	1	16.331	≥0.5	PASS
	5825	SISO	1	16.379	≥0.5	PASS

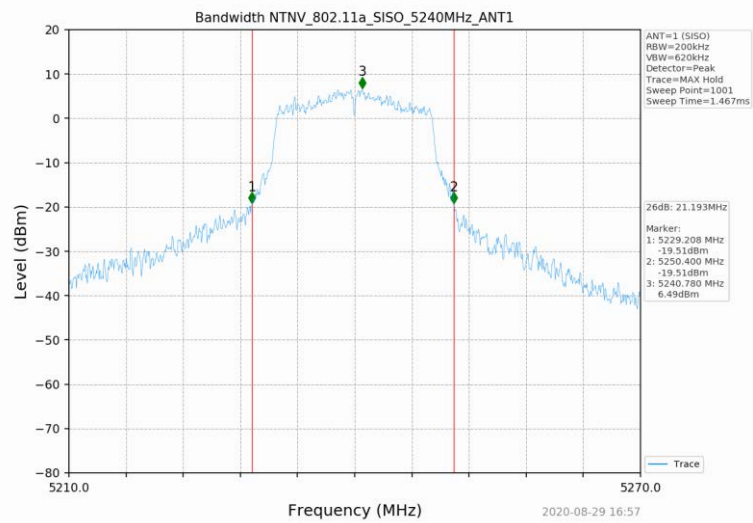
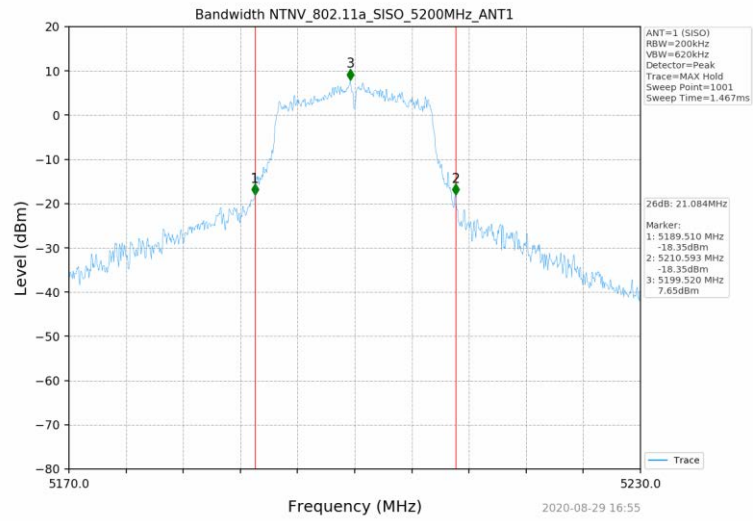
802.11n(HT20)	5745	SISO	1	16.958	≥0.5	PASS
	5785	SISO	1	17.544	≥0.5	PASS
	5825	SISO	1	17.188	≥0.5	PASS
802.11n(HT40)	5755	SISO	1	35.896	≥0.5	PASS
	5795	SISO	1	35.975	≥0.5	PASS
802.11ac(VHT20)	5745	SISO	1	17.299	≥0.5	PASS
	5785	SISO	1	17.591	≥0.5	PASS
	5825	SISO	1	17.359	≥0.5	PASS
802.11ac(VHT40)	5755	SISO	1	35.506	≥0.5	PASS
	5795	SISO	1	35.894	≥0.5	PASS
802.11ac(VHT80)	5775	SISO	1	75.540	≥0.5	PASS

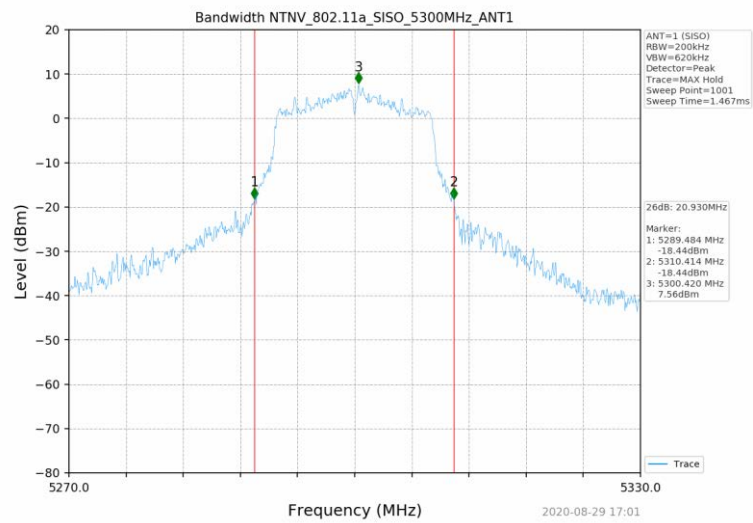
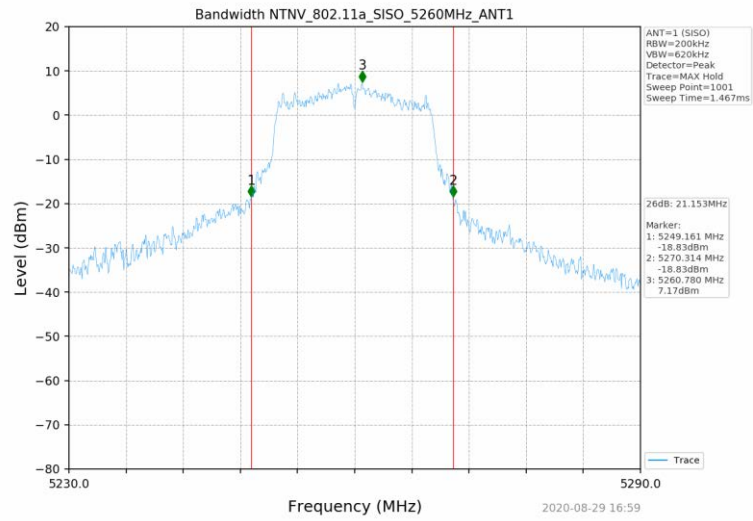
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				Test Result (MHz)	
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	5200	SISO	1	16.943	Only for Report Use
	5240	SISO	1	16.975	Only for Report Use
	5260	SISO	1	16.948	Only for Report Use
	5300	SISO	1	16.860	Only for Report Use
	5320	SISO	1	17.125	Only for Report Use
	5500	SISO	1	17.171	Only for Report Use
	5580	SISO	1	16.916	Only for Report Use
	5600	SISO	1	16.962	Only for Report Use
	5700	SISO	1	16.969	Only for Report Use
	5745	SISO	1	17.035	Only for Report Use
	5785	SISO	1	17.204	Only for Report Use
802.11n(HT20)	5825	SISO	1	17.067	Only for Report Use
	5180	SISO	1	18.032	Only for Report Use
	5200	SISO	1	18.098	Only for Report Use
	5240	SISO	1	18.006	Only for Report Use
	5260	SISO	1	17.941	Only for Report Use
	5300	SISO	1	17.995	Only for Report Use
	5320	SISO	1	18.116	Only for Report Use
	5500	SISO	1	18.139	Only for Report Use
	5580	SISO	1	18.034	Only for Report Use
	5600	SISO	1	17.972	Only for Report Use
	5700	SISO	1	18.025	Only for Report Use
	5745	SISO	1	18.137	Only for Report Use
802.11n(HT40)	5785	SISO	1	18.107	Only for Report Use
	5825	SISO	1	18.128	Only for Report Use
	5190	SISO	1	36.670	Only for Report Use
	5230	SISO	1	36.430	Only for Report Use
	5270	SISO	1	36.573	Only for Report Use
	5310	SISO	1	36.583	Only for Report Use
	5510	SISO	1	36.547	Only for Report Use
	5550	SISO	1	36.367	Only for Report Use
	5590	SISO	1	36.484	Only for Report Use
	5670	SISO	1	36.435	Only for Report Use
802.11ac(VHT20)	5755	SISO	1	36.576	Only for Report Use
	5795	SISO	1	36.581	Only for Report Use
	5180	SISO	1	17.834	Only for Report Use
	5200	SISO	1	17.902	Only for Report Use
	5240	SISO	1	17.993	Only for Report Use
	5260	SISO	1	17.935	Only for Report Use
	5300	SISO	1	18.029	Only for Report Use
	5320	SISO	1	18.011	Only for Report Use
	5500	SISO	1	18.010	Only for Report Use
	5580	SISO	1	17.950	Only for Report Use

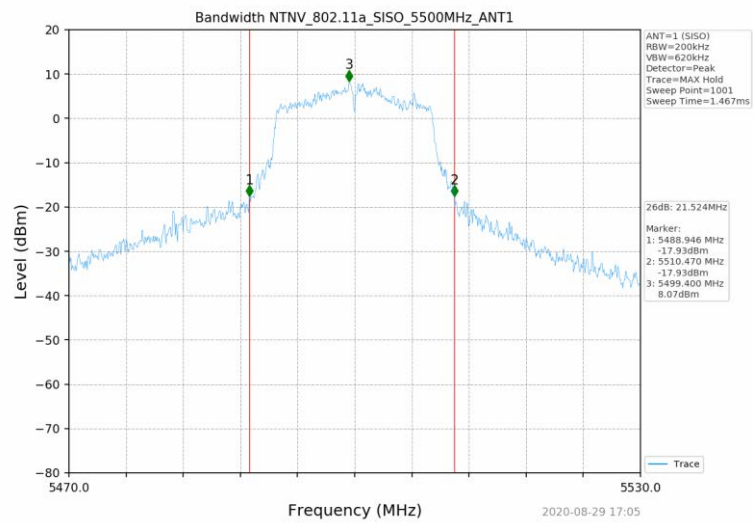
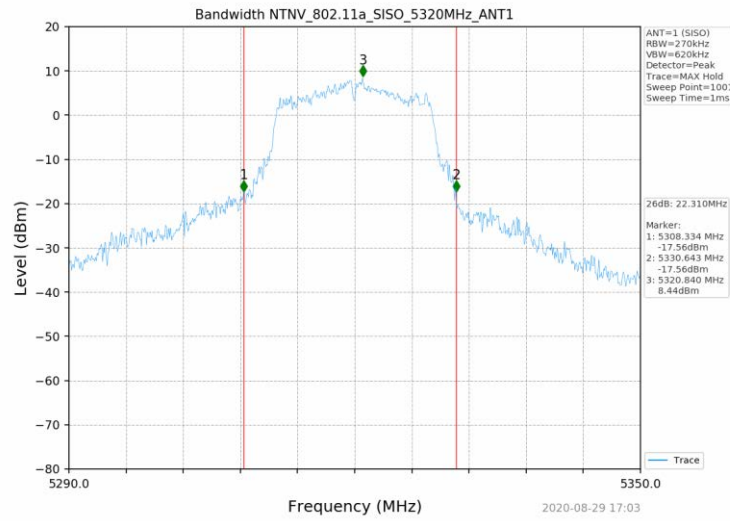
	5600	SISO	1	17.951	Only for Report Use
	5700	SISO	1	17.883	Only for Report Use
	5745	SISO	1	17.999	Only for Report Use
	5785	SISO	1	18.005	Only for Report Use
	5825	SISO	1	18.008	Only for Report Use
802.11ac(VHT40)	5190	SISO	1	36.705	Only for Report Use
	5230	SISO	1	36.596	Only for Report Use
	5270	SISO	1	36.499	Only for Report Use
	5310	SISO	1	36.524	Only for Report Use
	5510	SISO	1	36.592	Only for Report Use
	5550	SISO	1	36.552	Only for Report Use
	5590	SISO	1	36.455	Only for Report Use
	5670	SISO	1	36.460	Only for Report Use
	5755	SISO	1	36.599	Only for Report Use
802.11ac(VHT80)	5795	SISO	1	36.641	Only for Report Use
	5210	SISO	1	75.500	Only for Report Use
	5290	SISO	1	75.537	Only for Report Use
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	5610	SISO	1	75.487	Only for Report Use
	5775	SISO	1	75.521	Only for Report Use

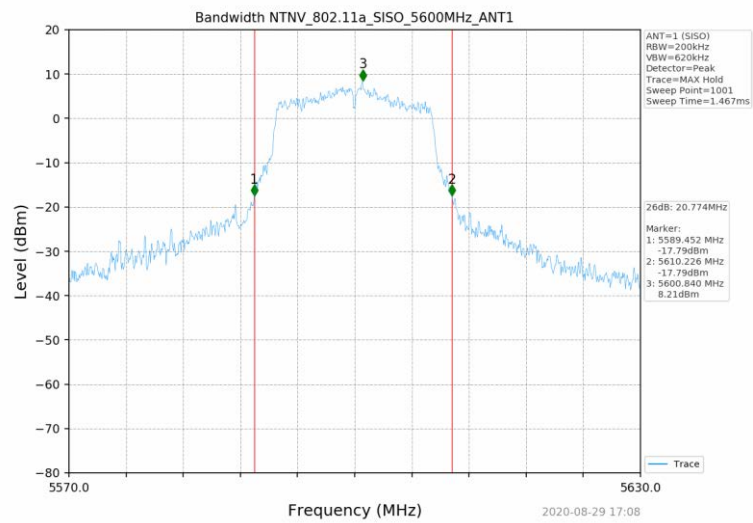
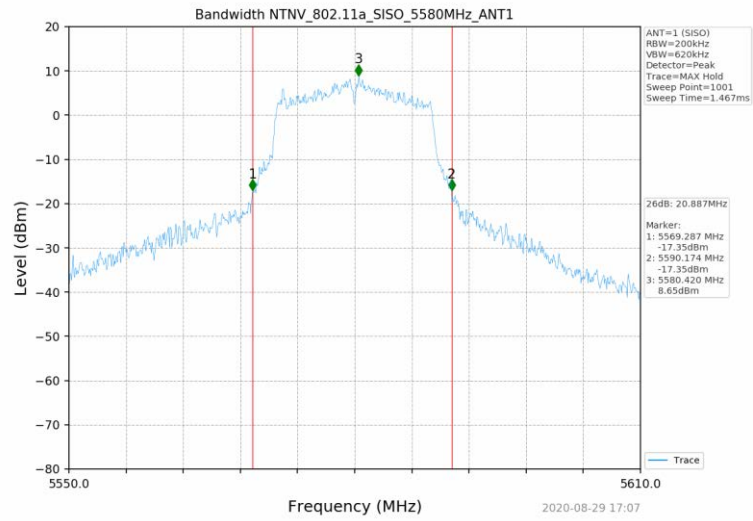
1.2 Test Graph - Emission Bandwidth

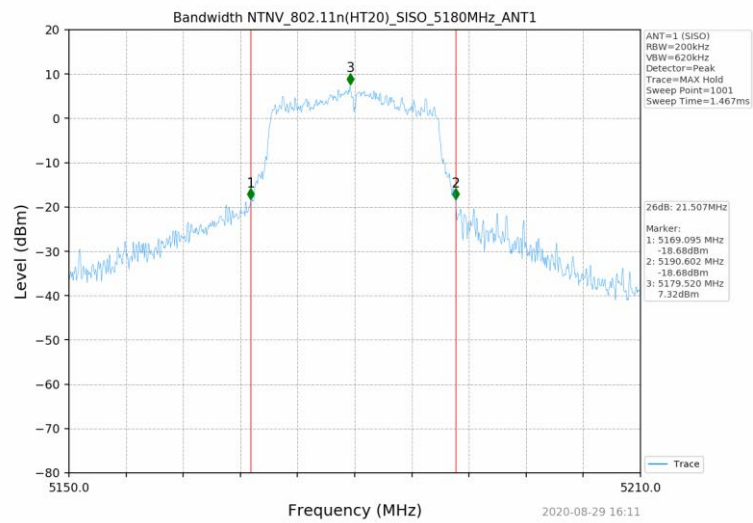
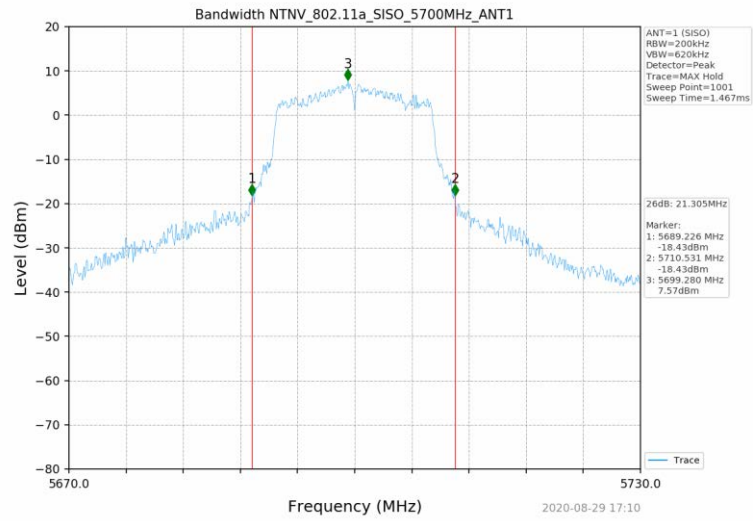


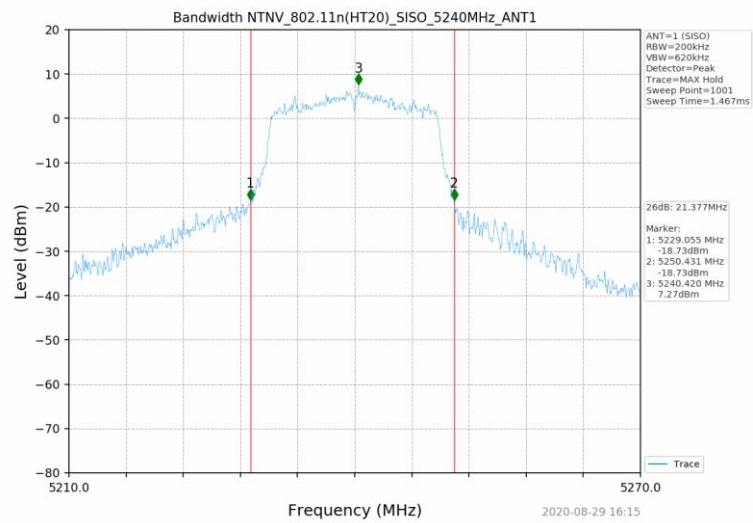
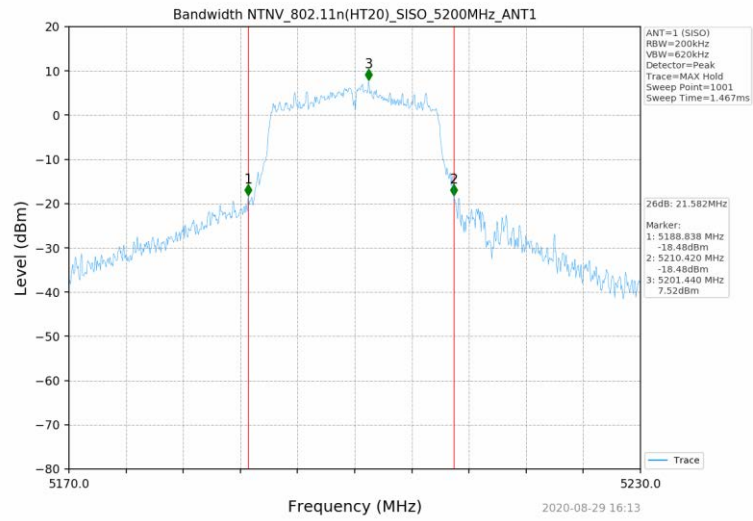


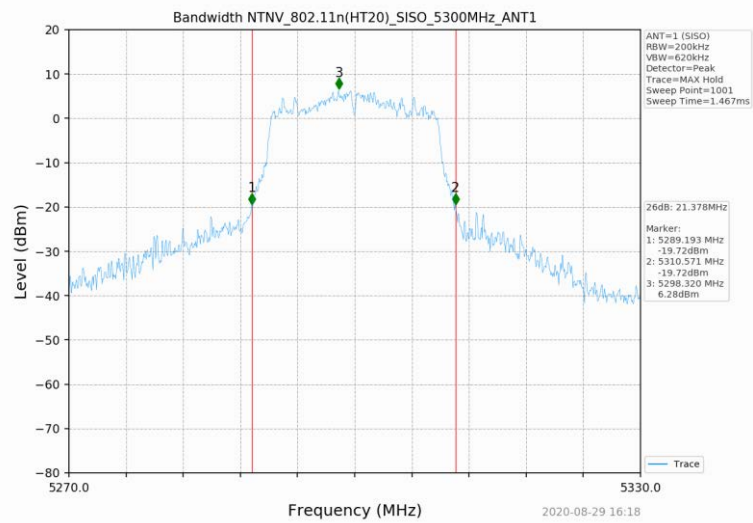
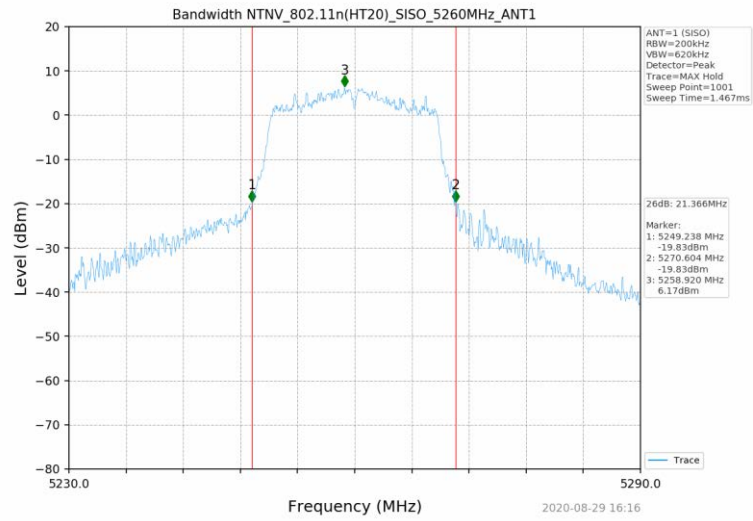


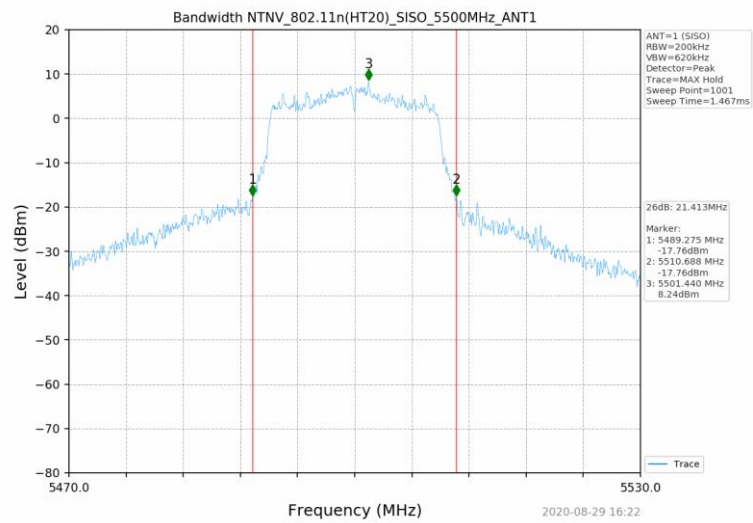
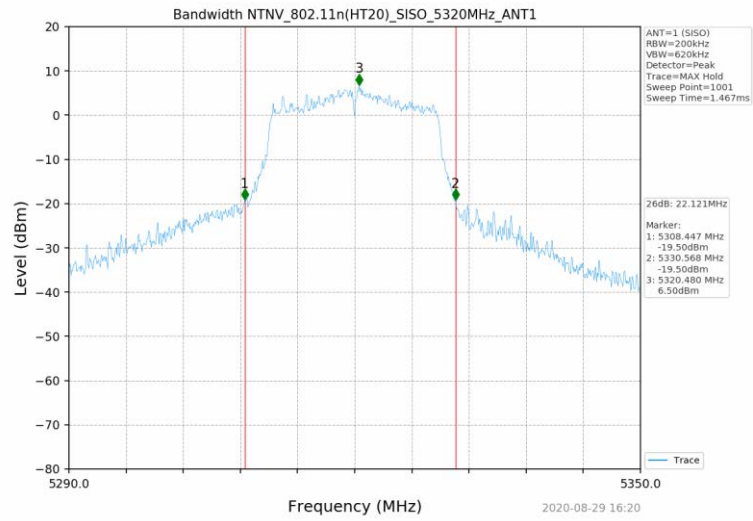


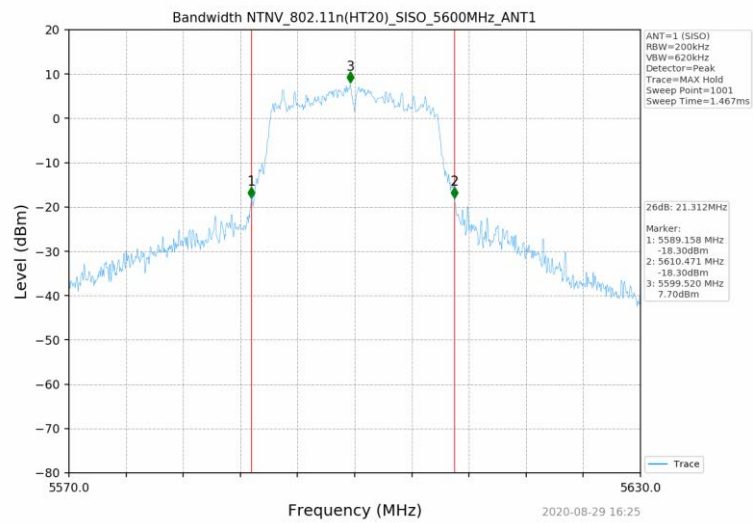
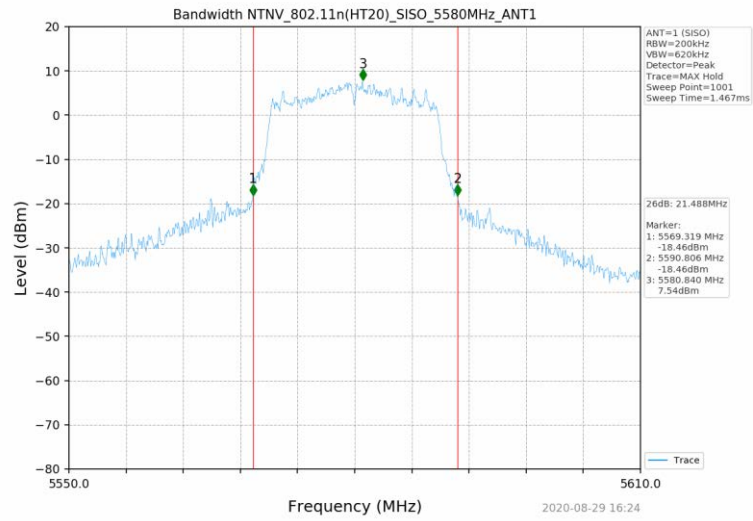


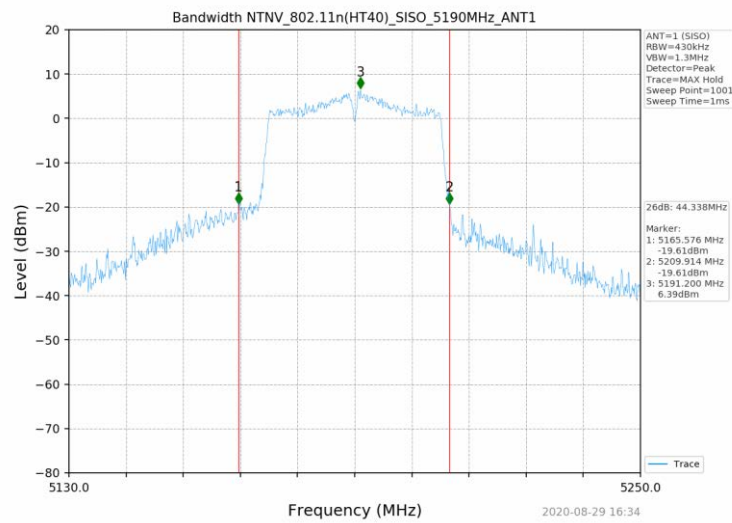
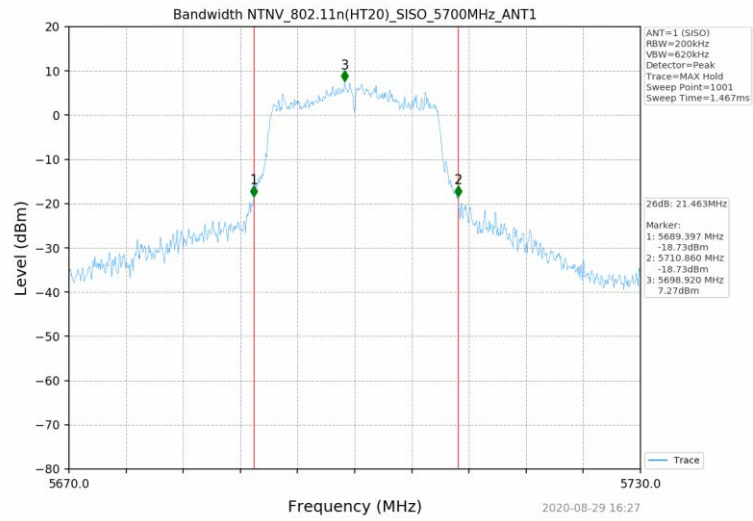


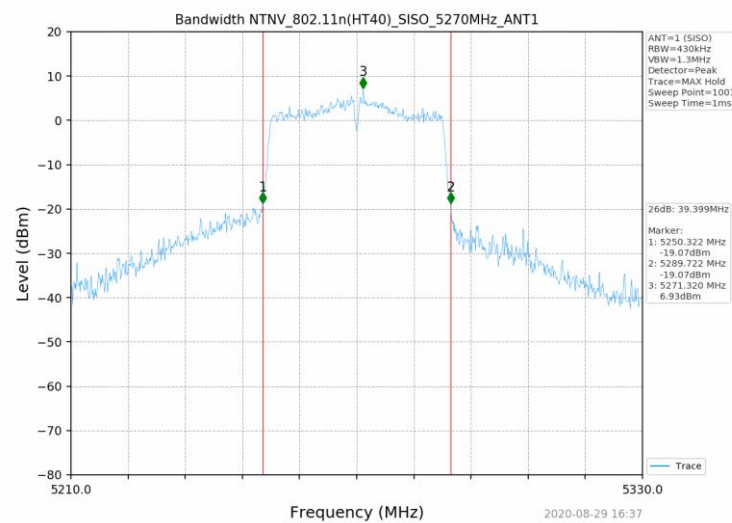
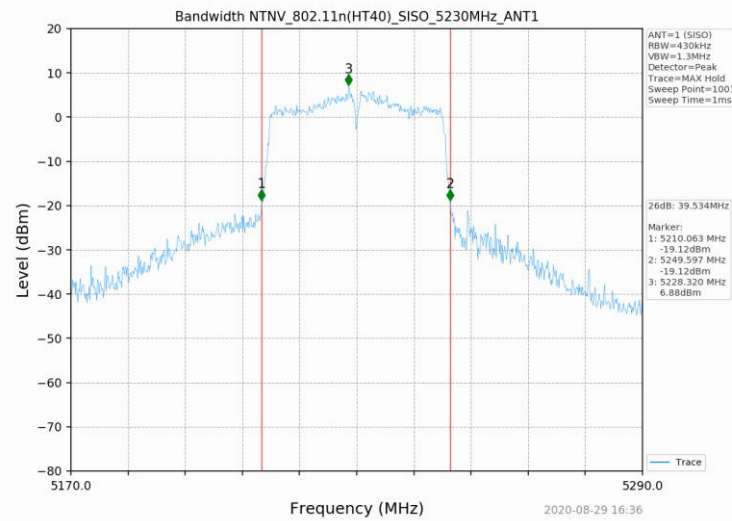


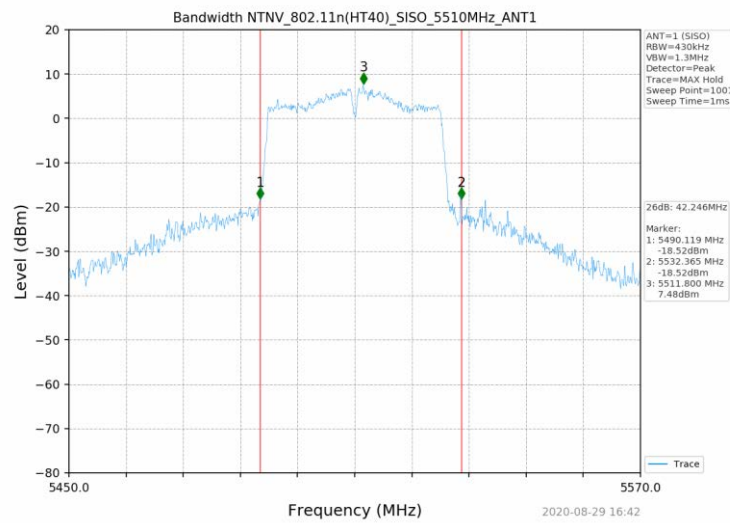
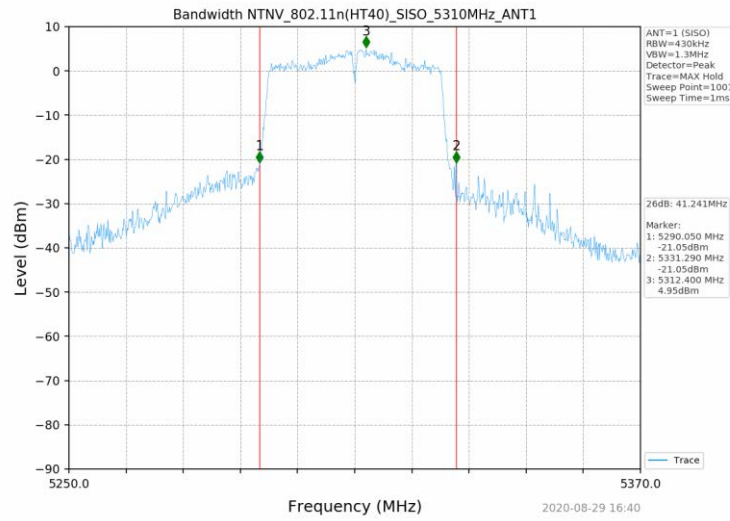


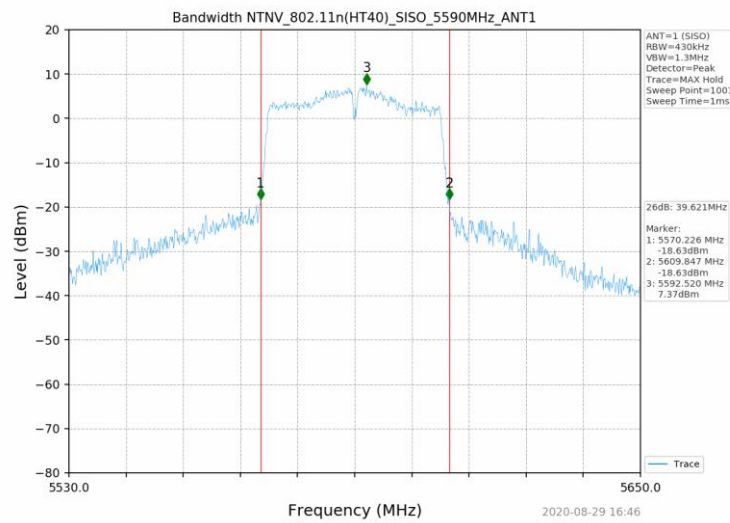
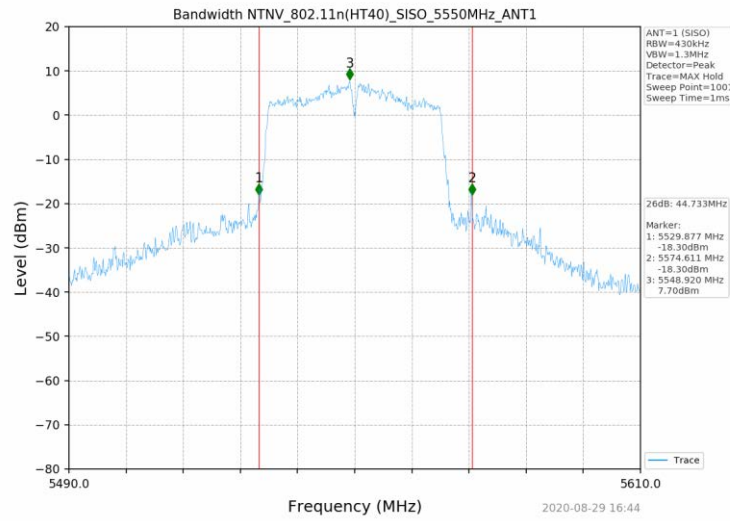


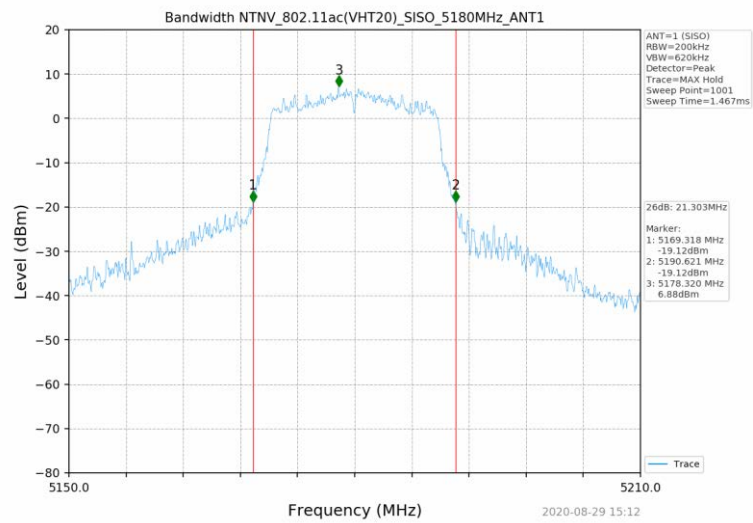
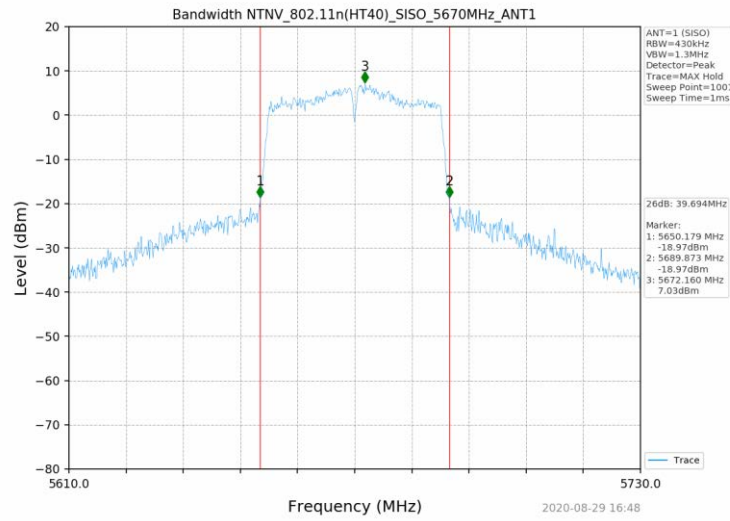


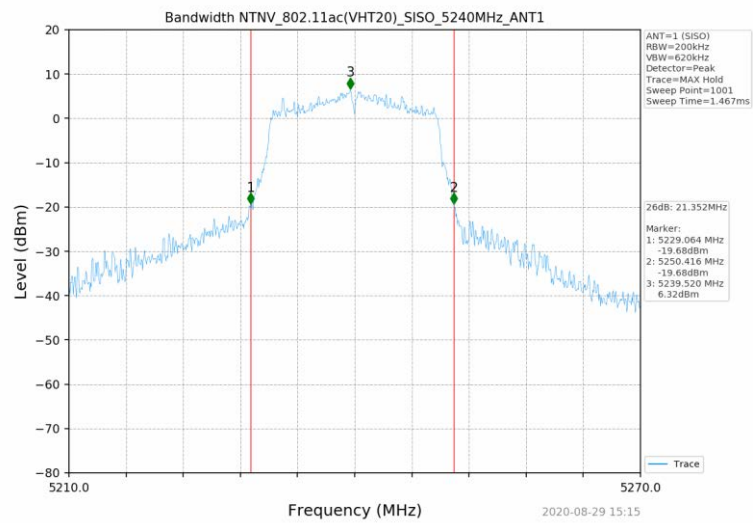
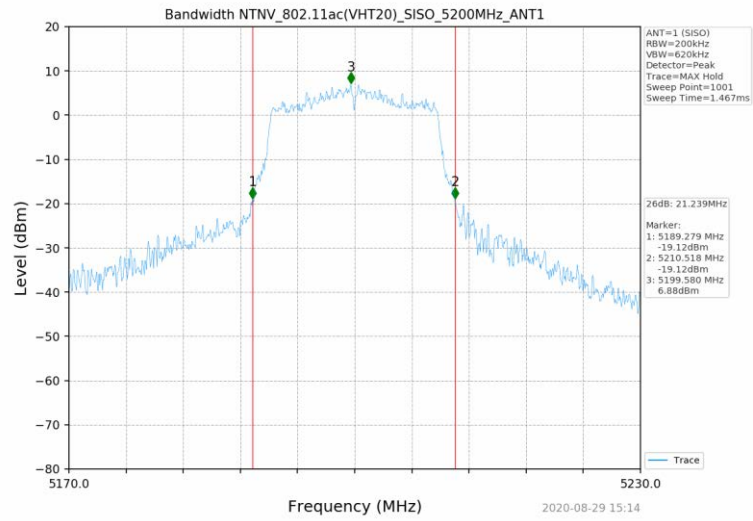


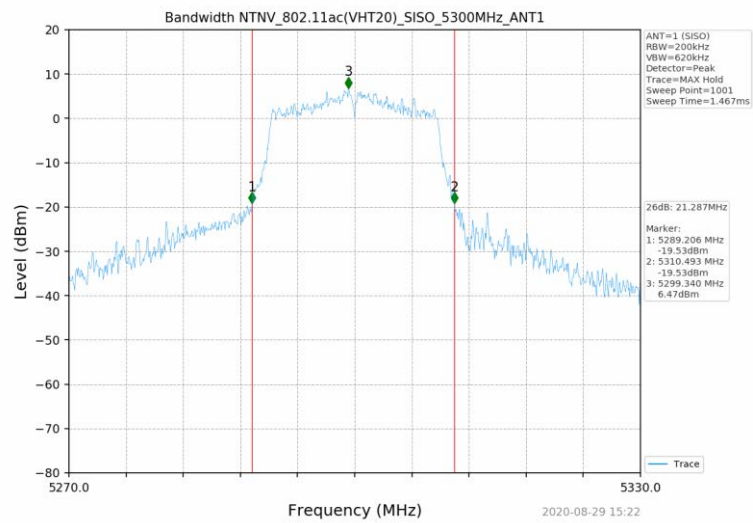
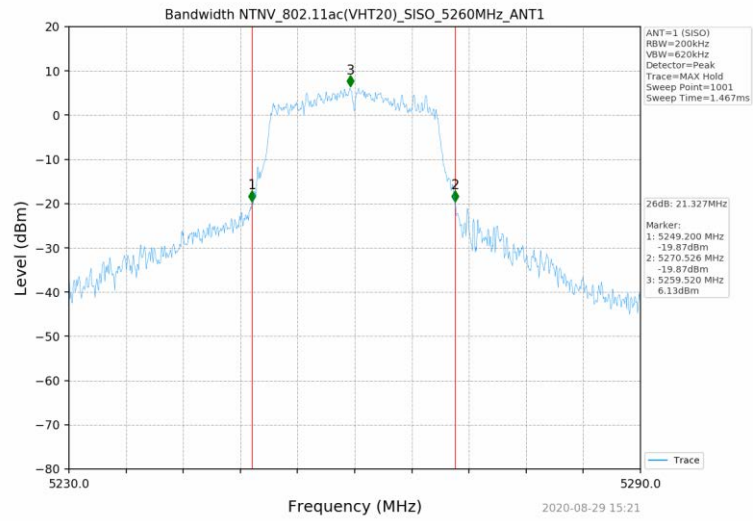


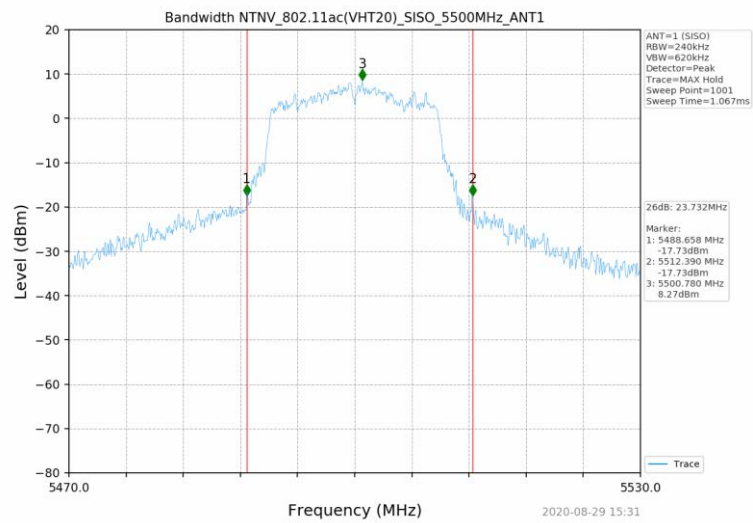
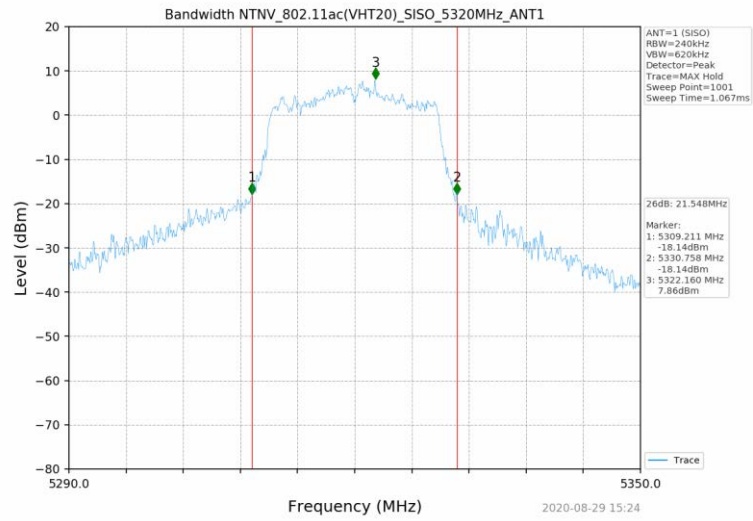


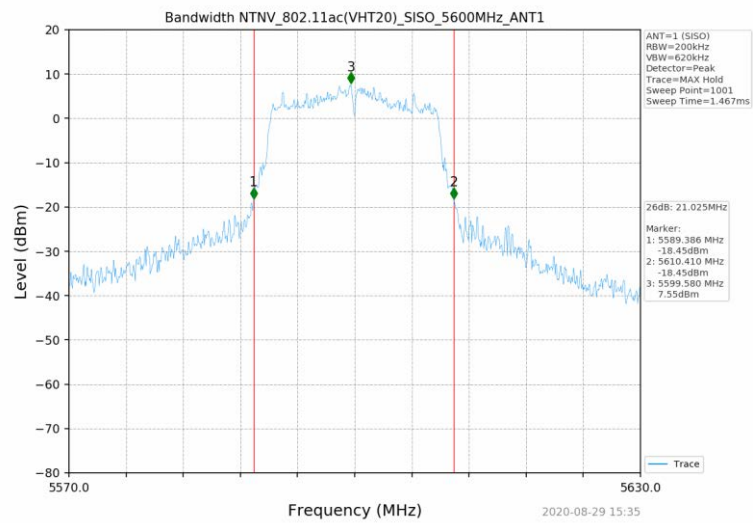
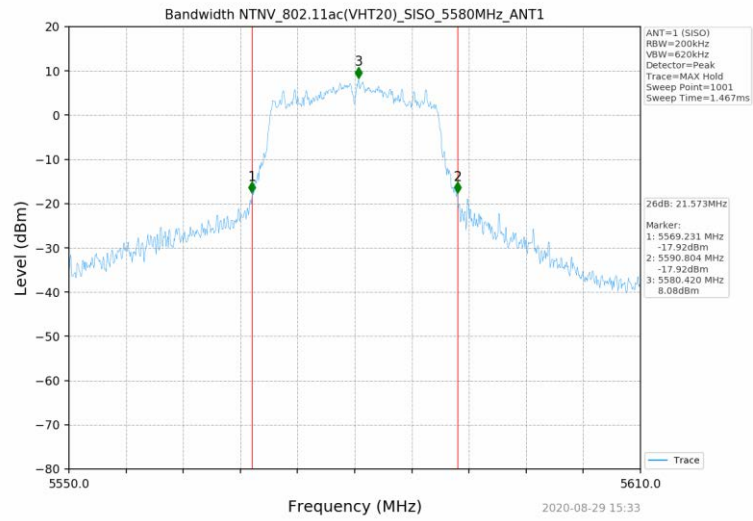


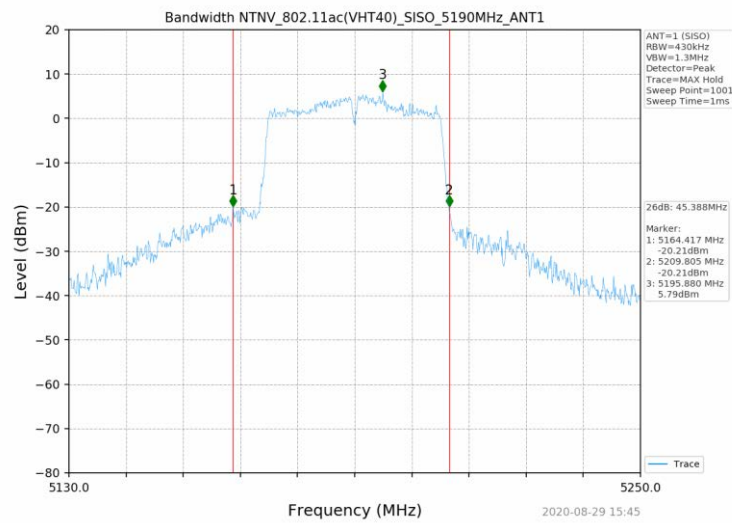
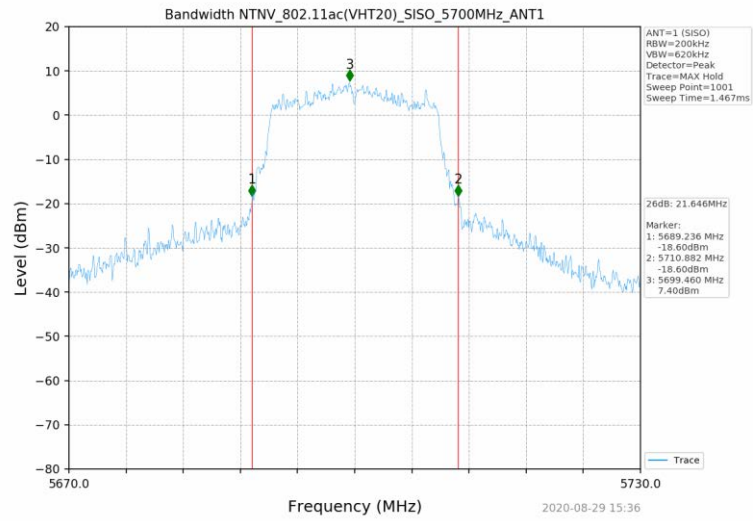


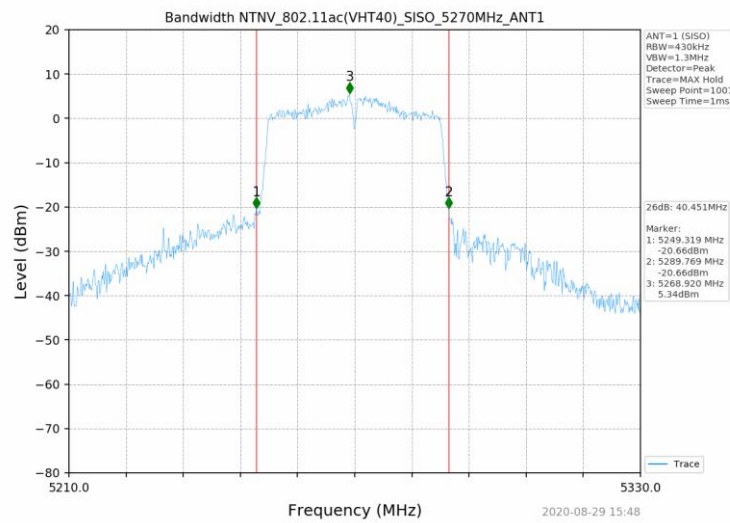
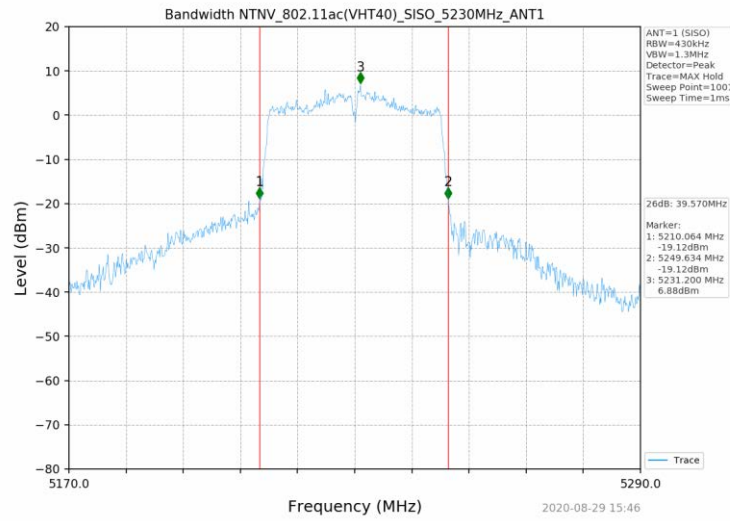


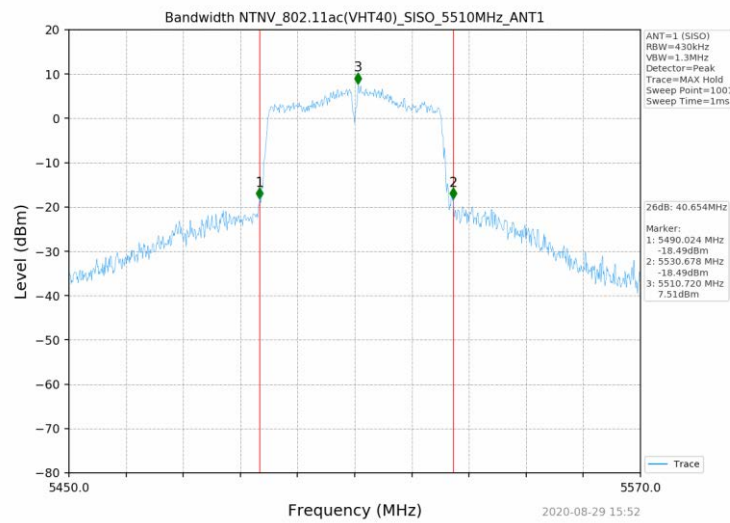
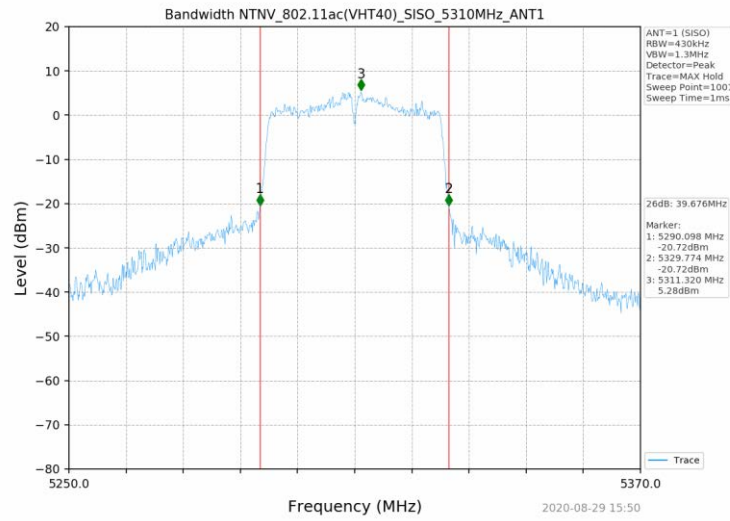


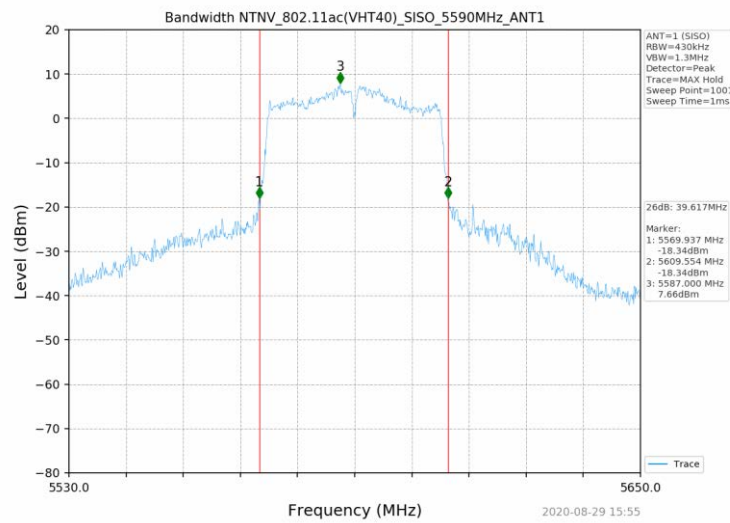
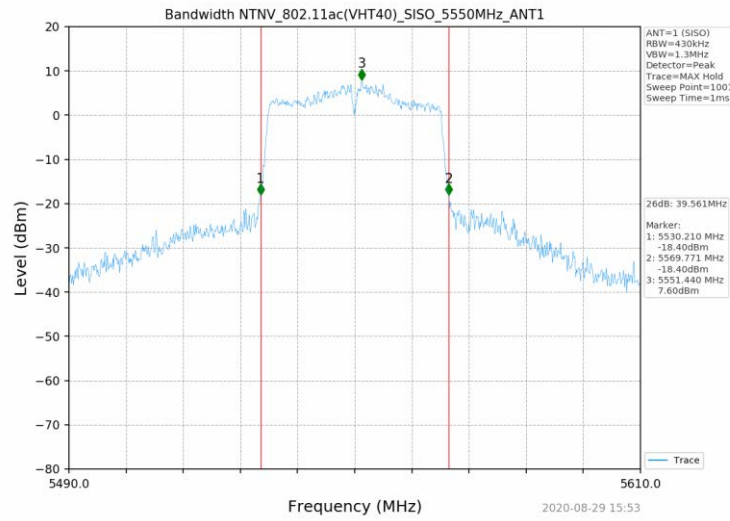


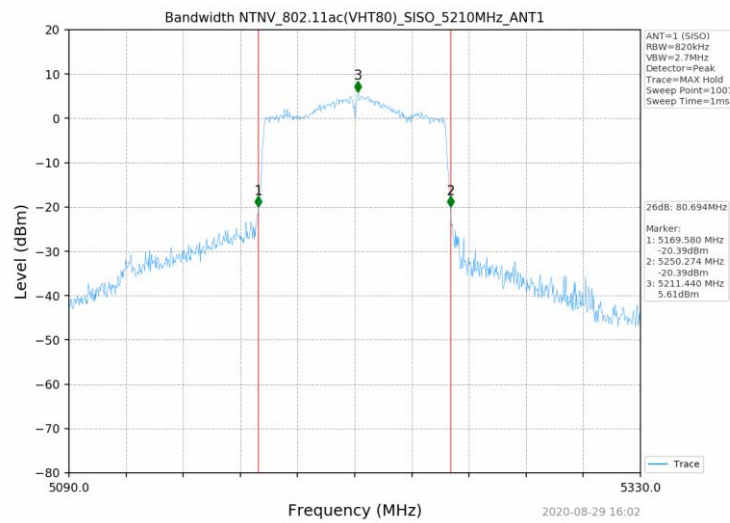
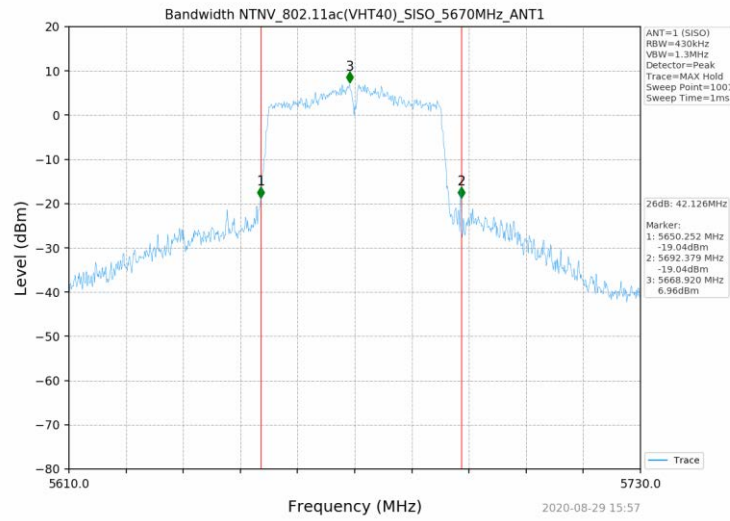


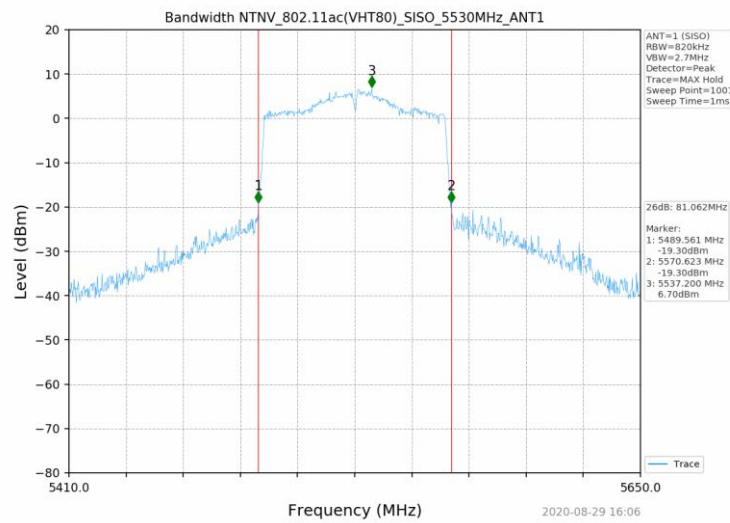
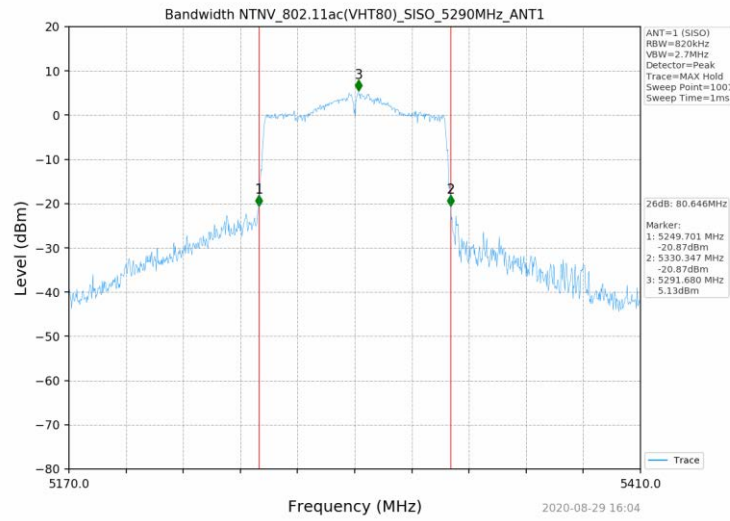


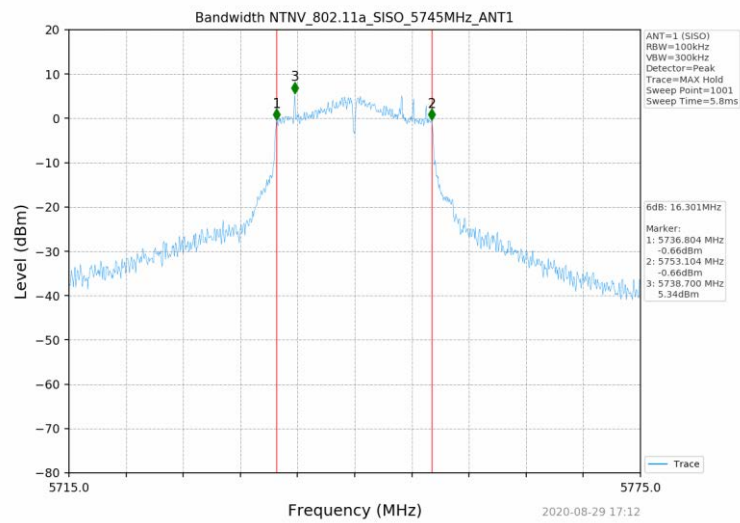
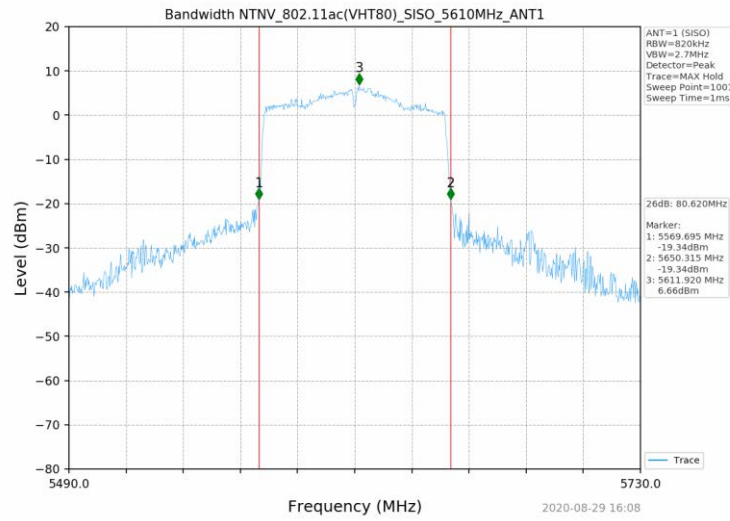


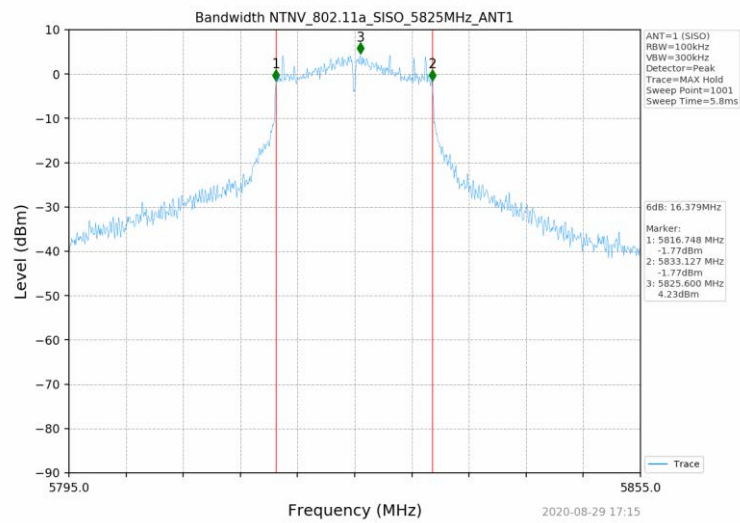
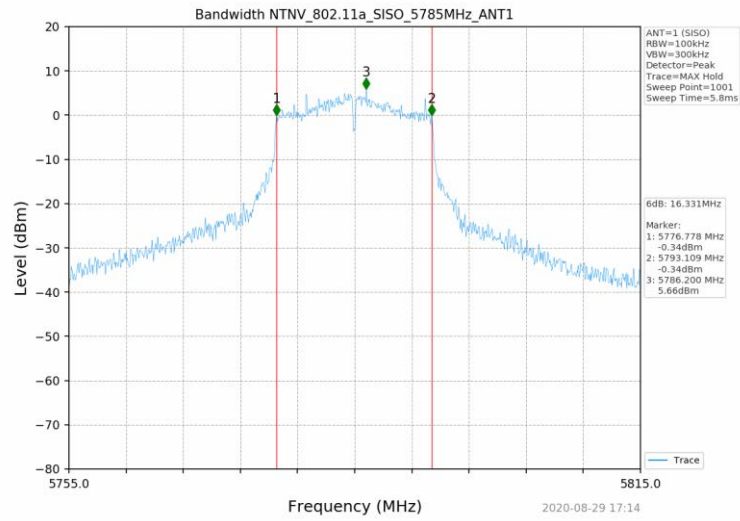


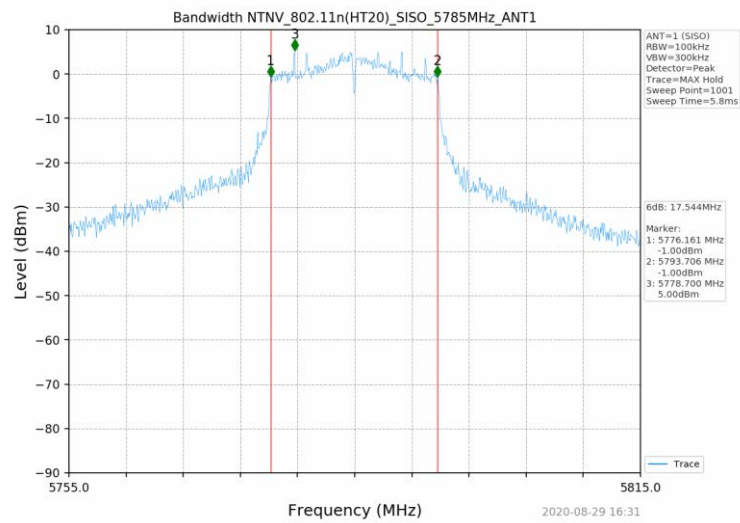
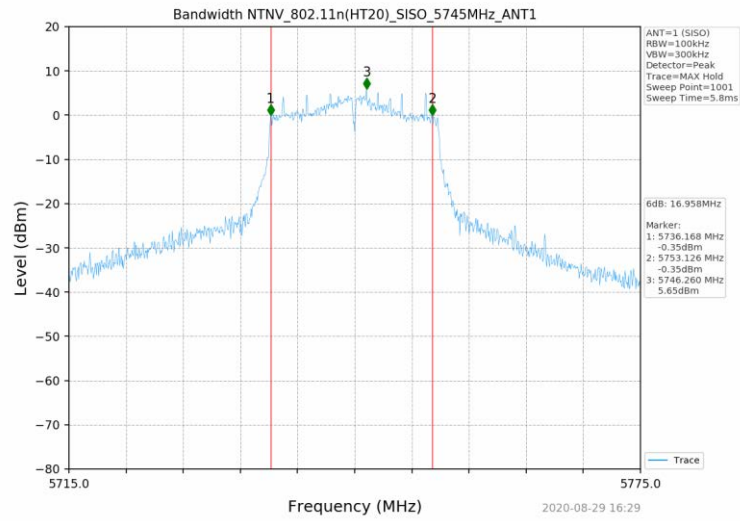


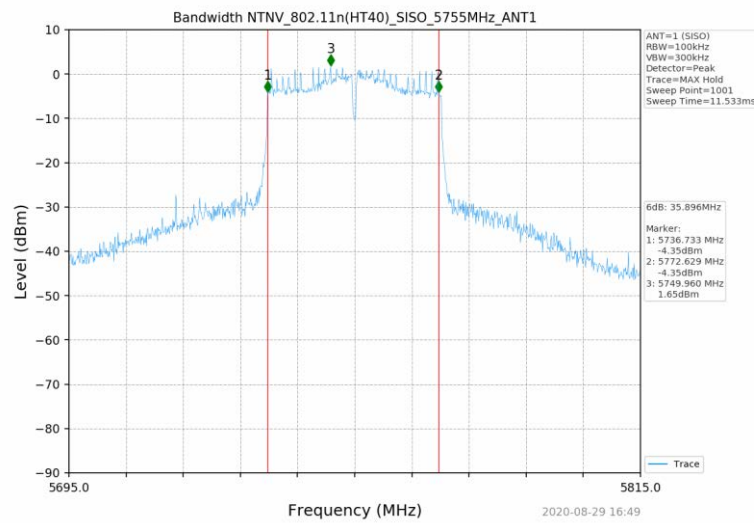
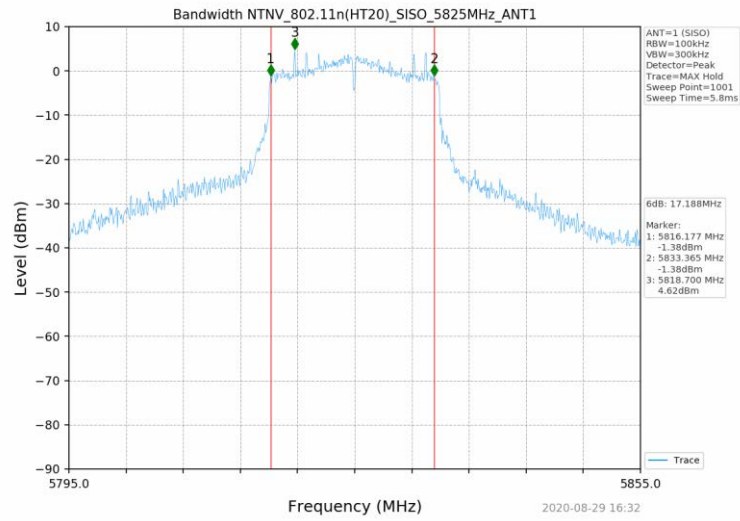


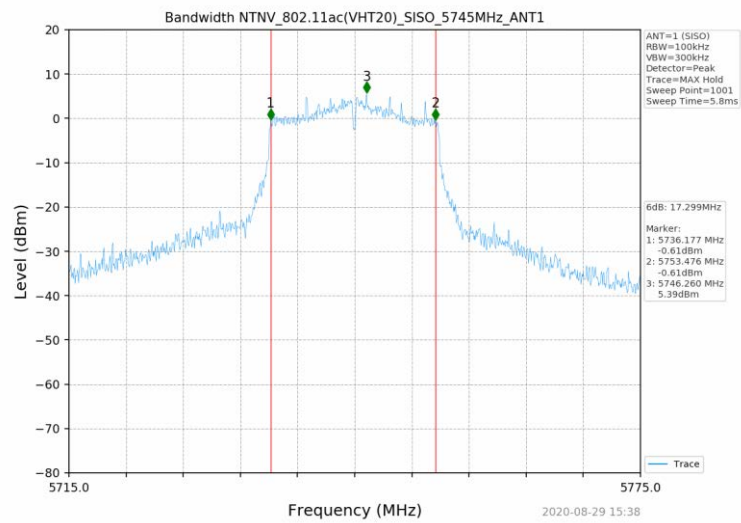
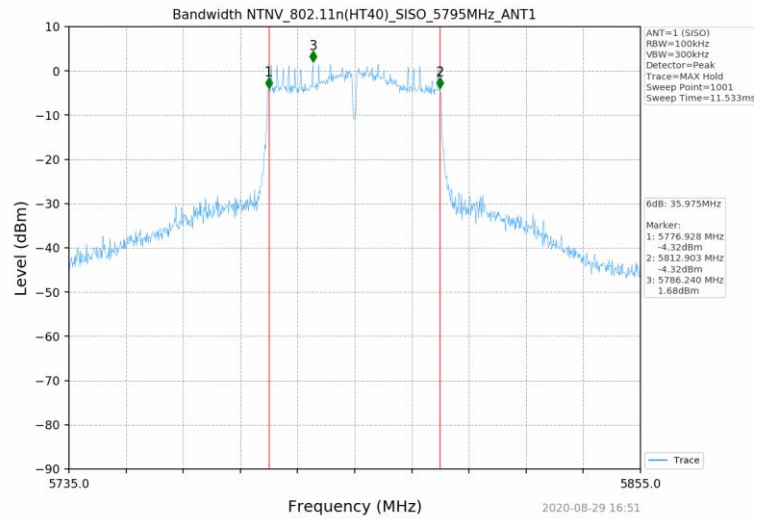


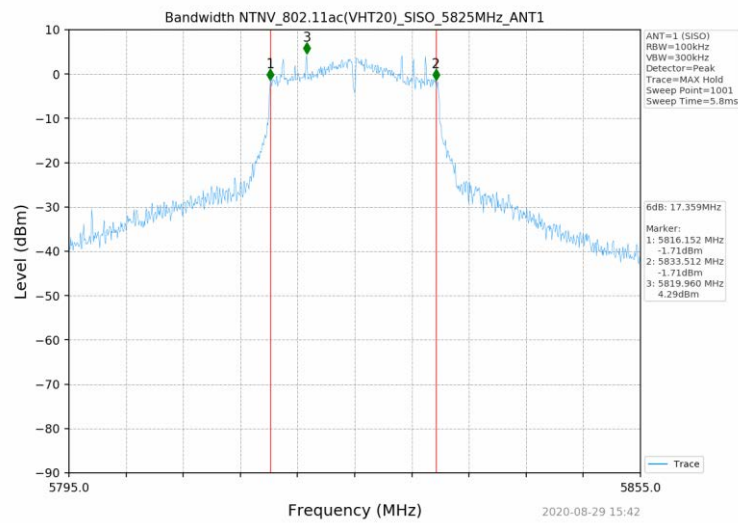
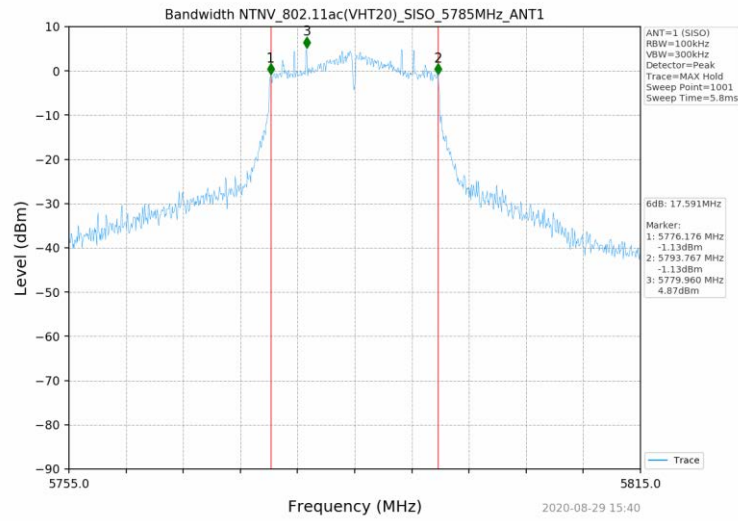


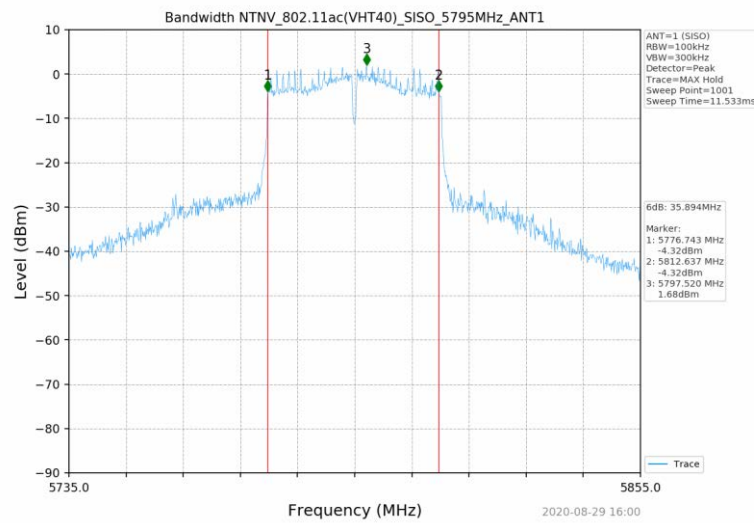
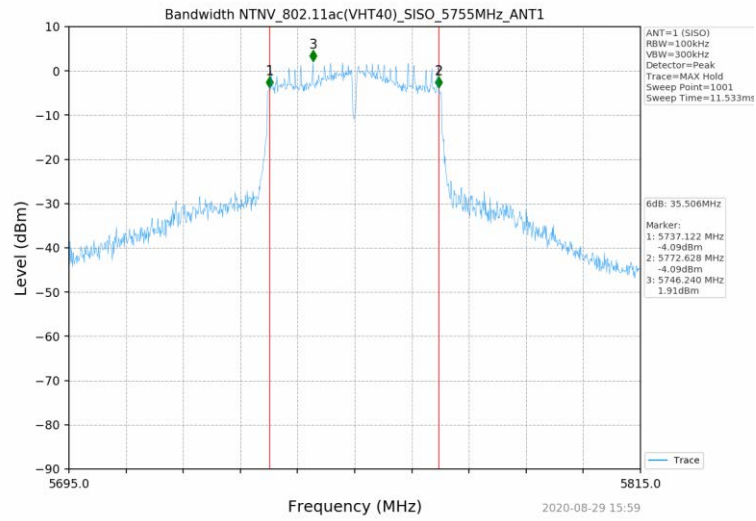


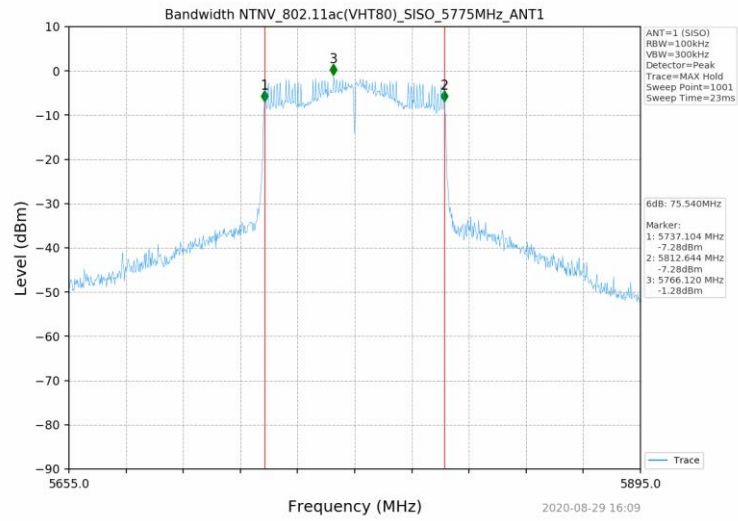




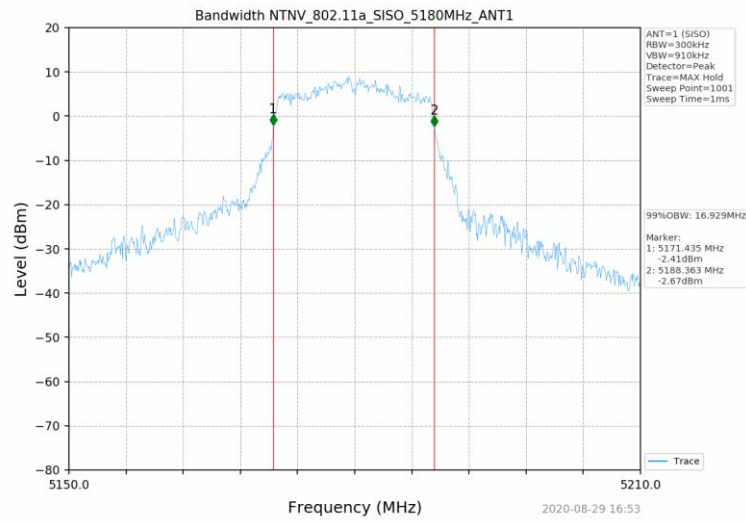


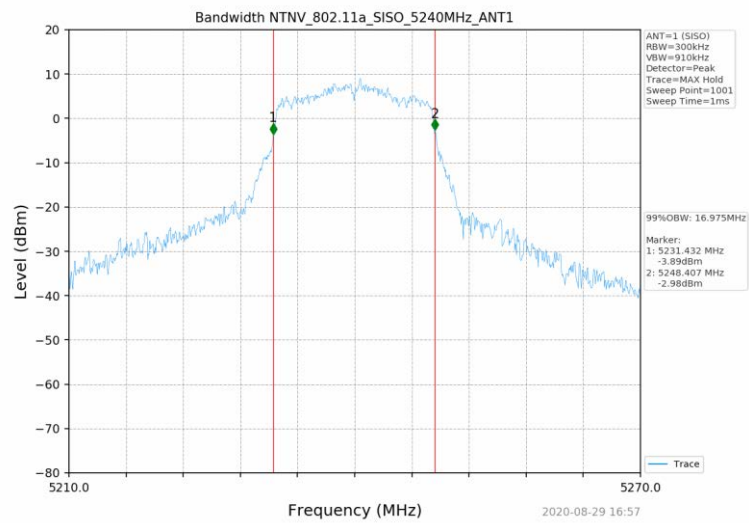
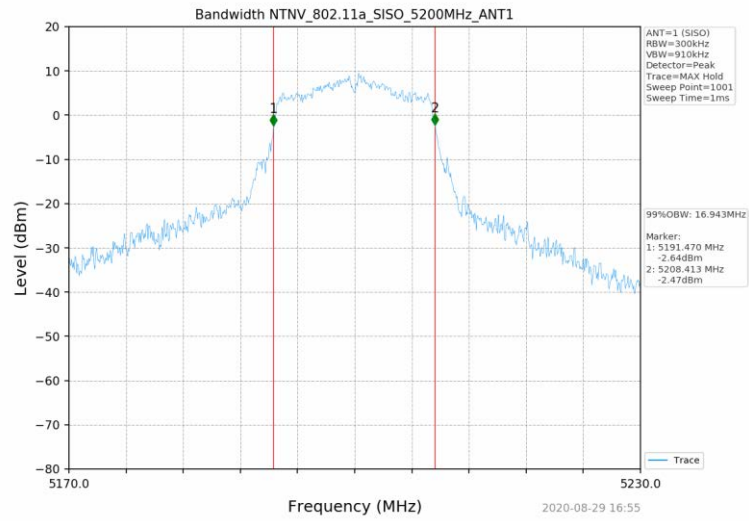


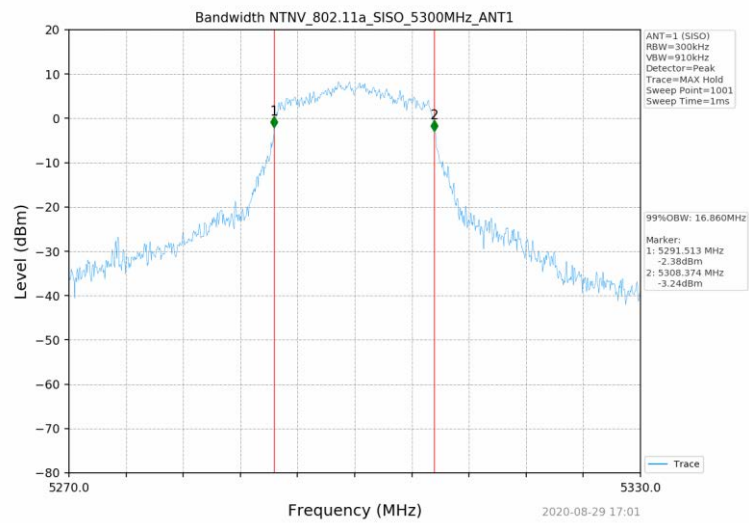
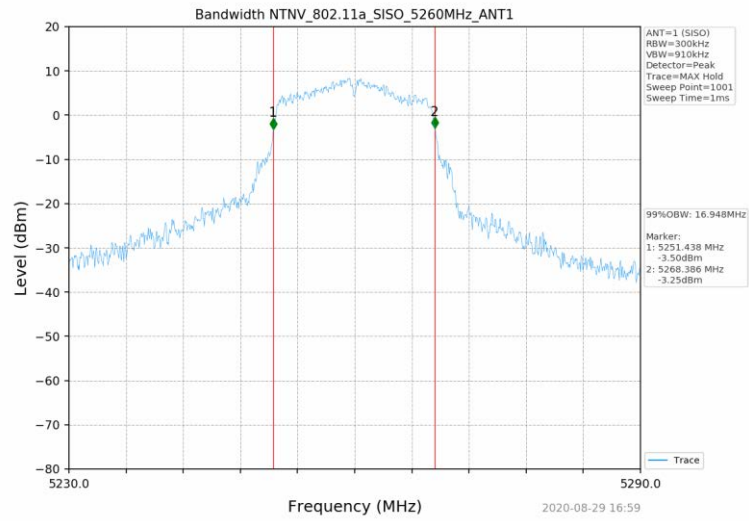


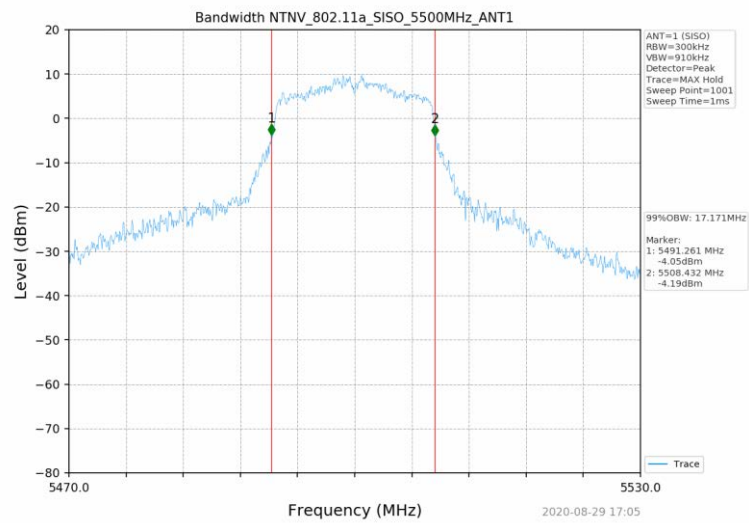
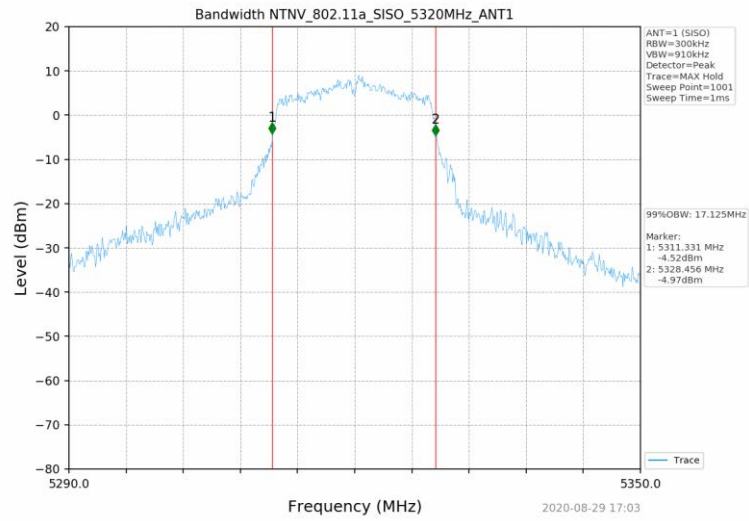


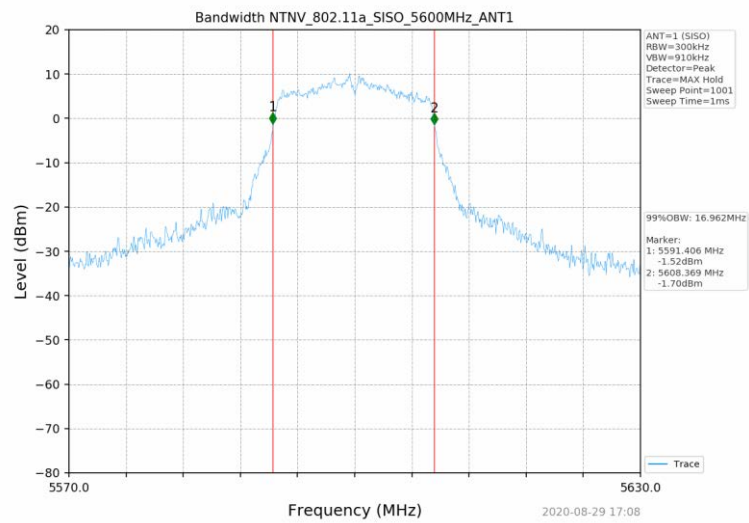
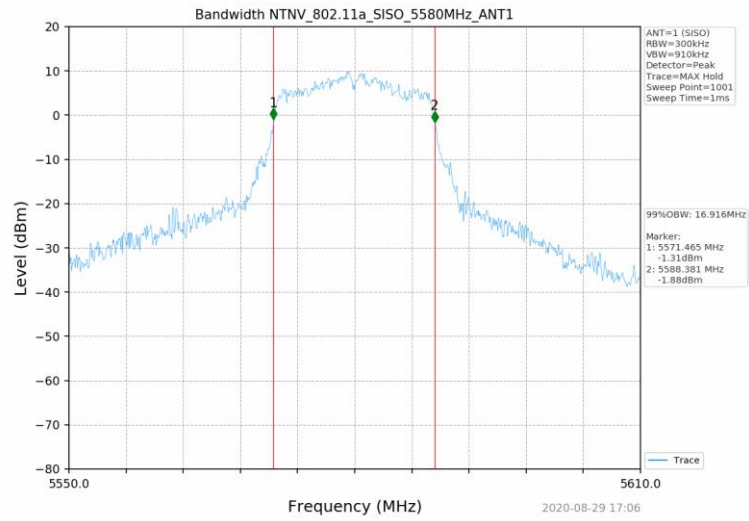
1.3 Test Graph - 99% Occupied Bandwidth

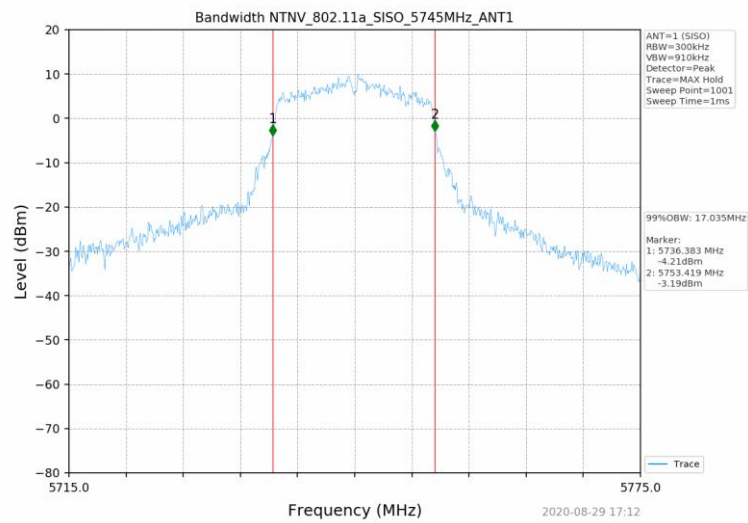
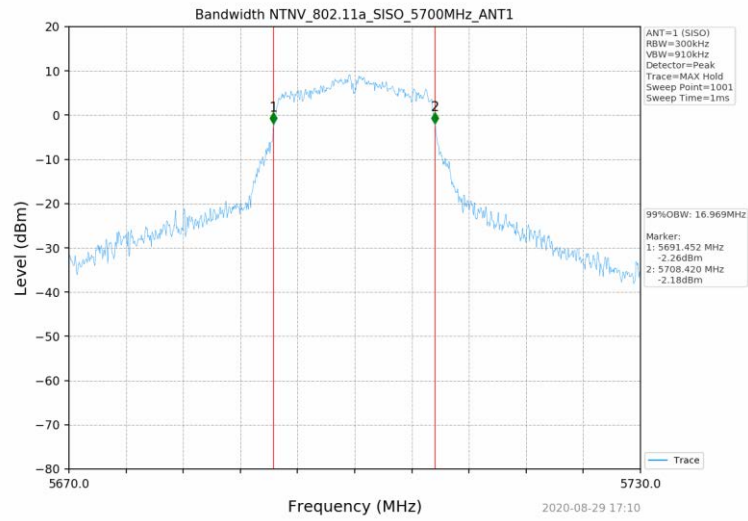


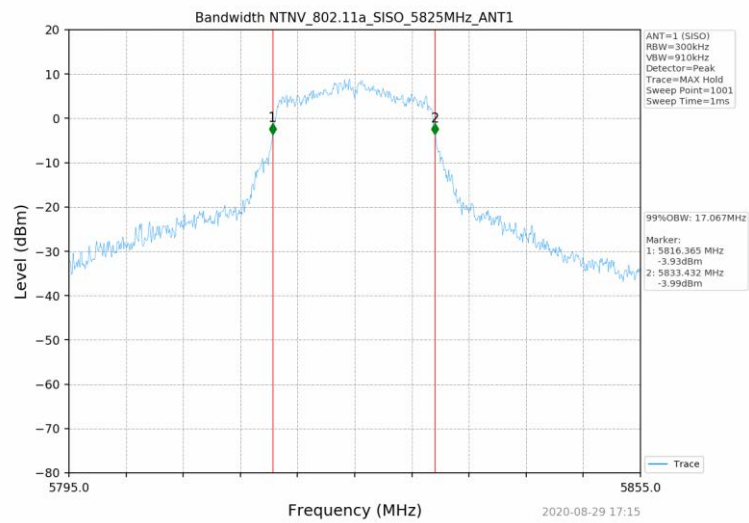
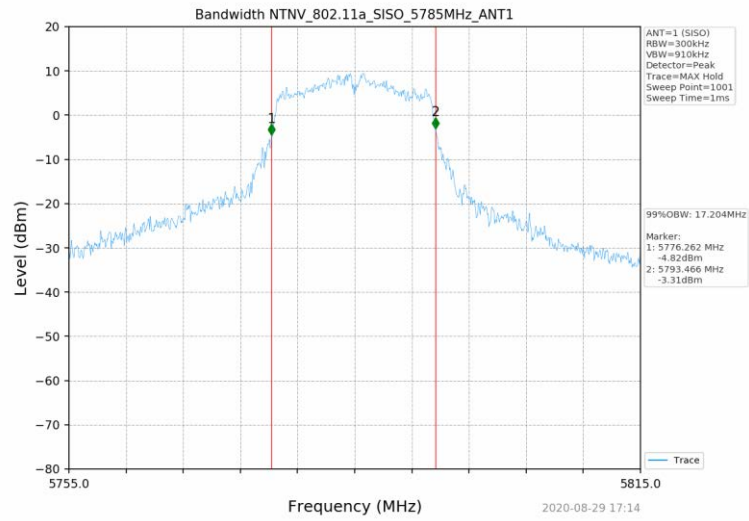


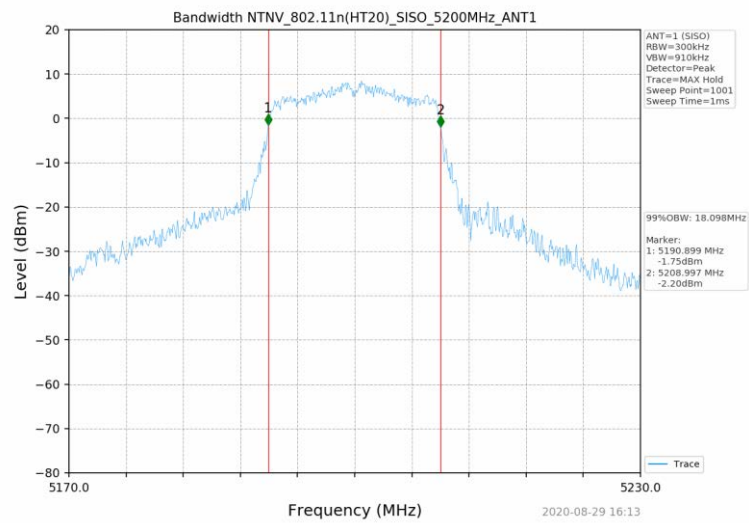
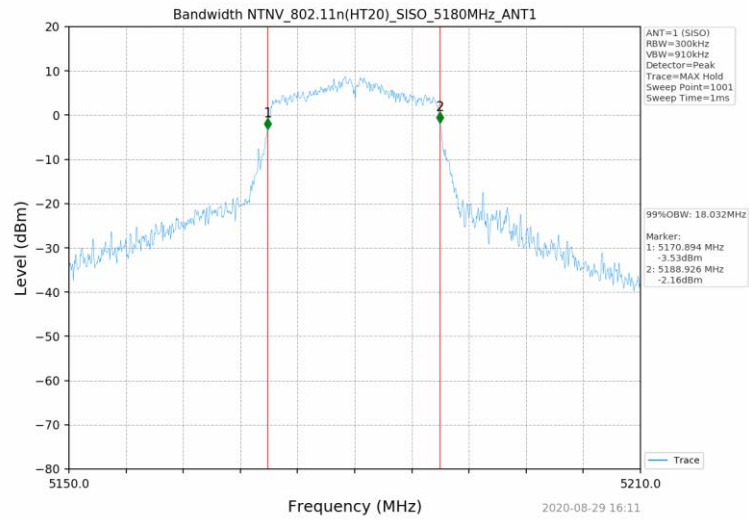


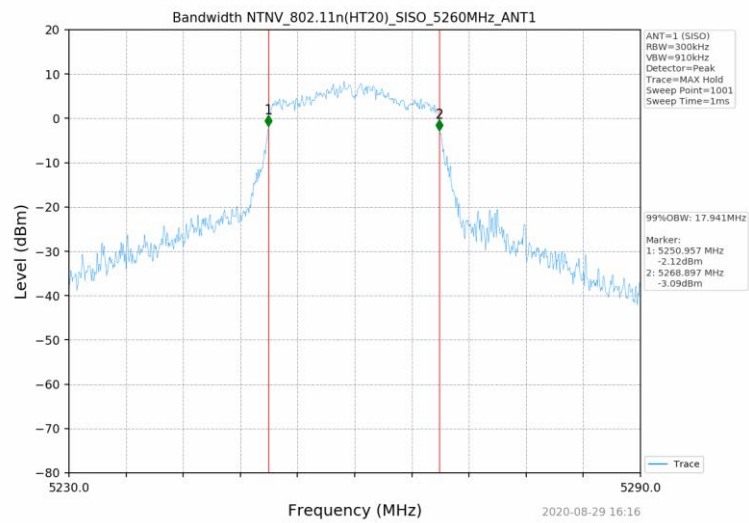
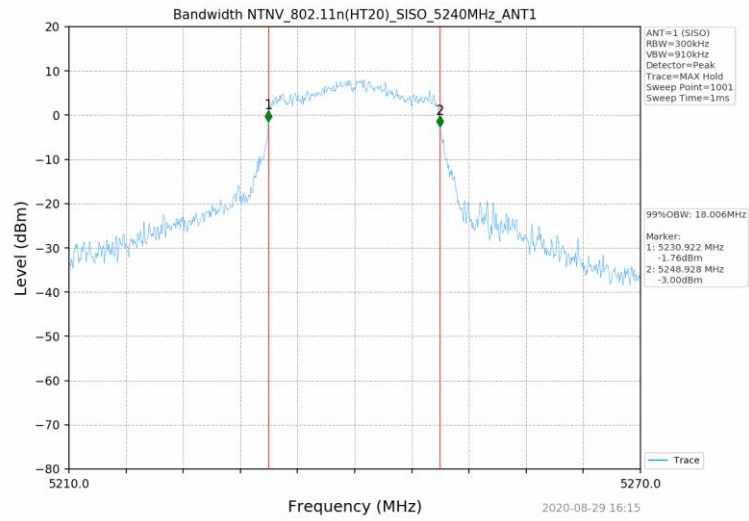


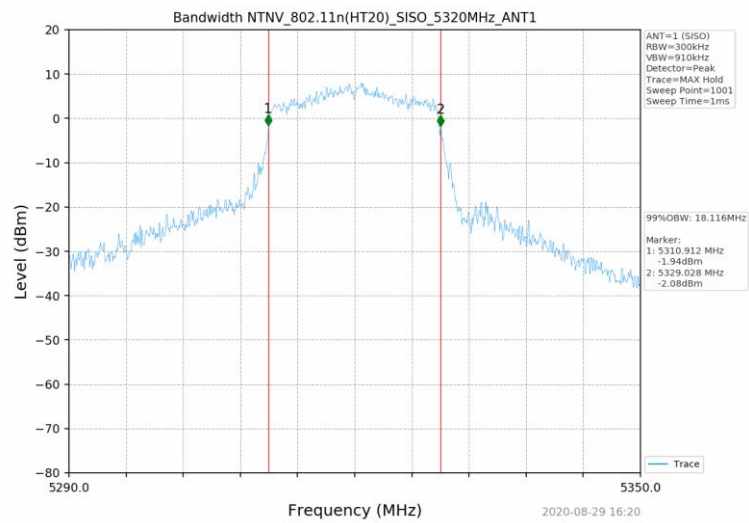
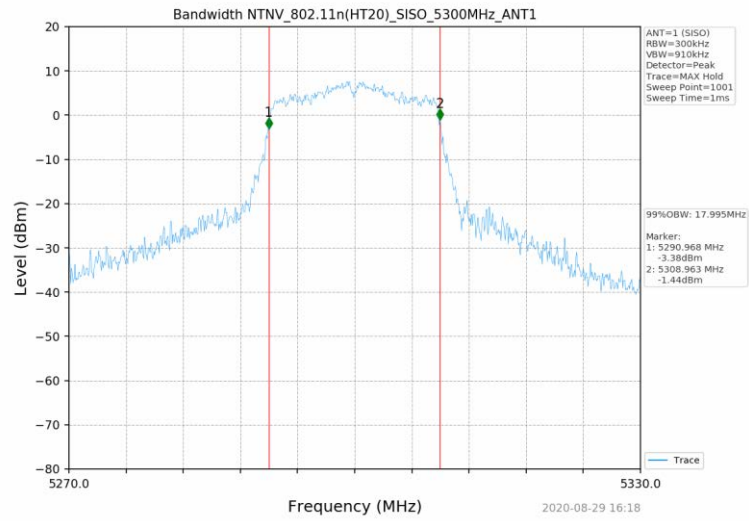


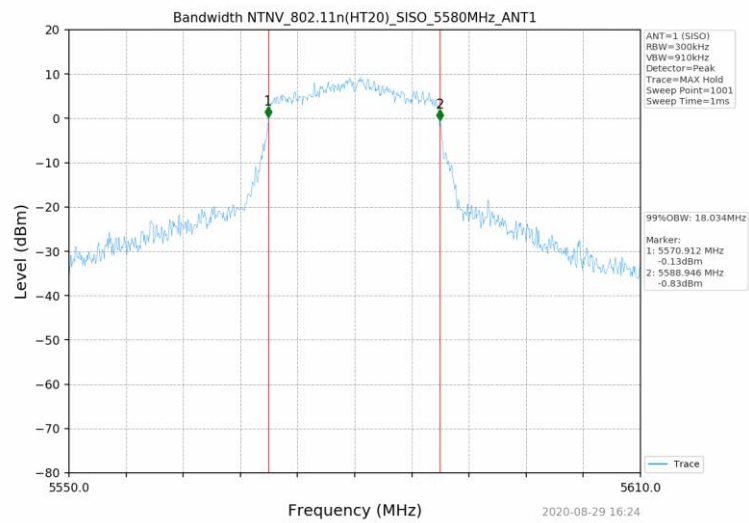
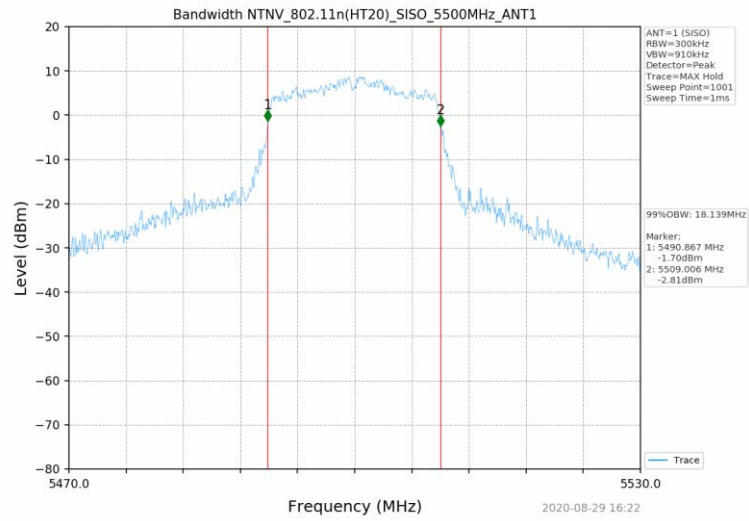


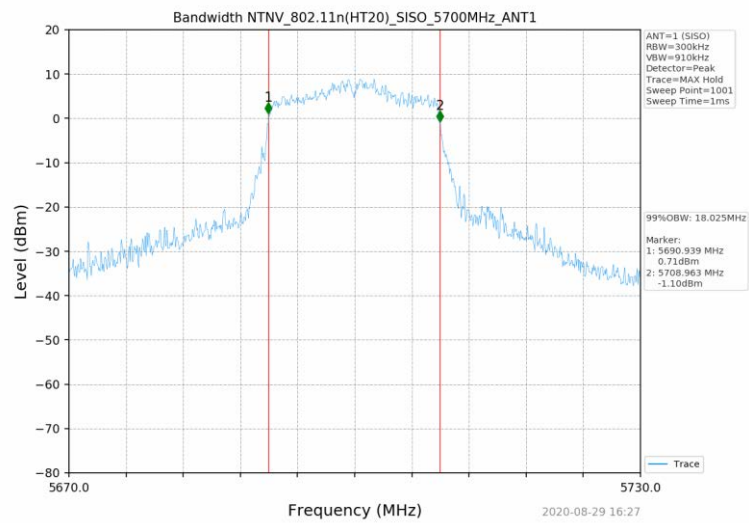
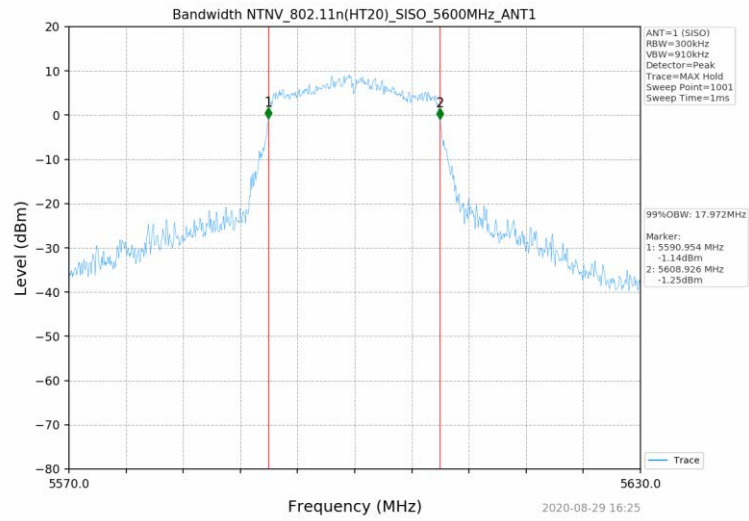


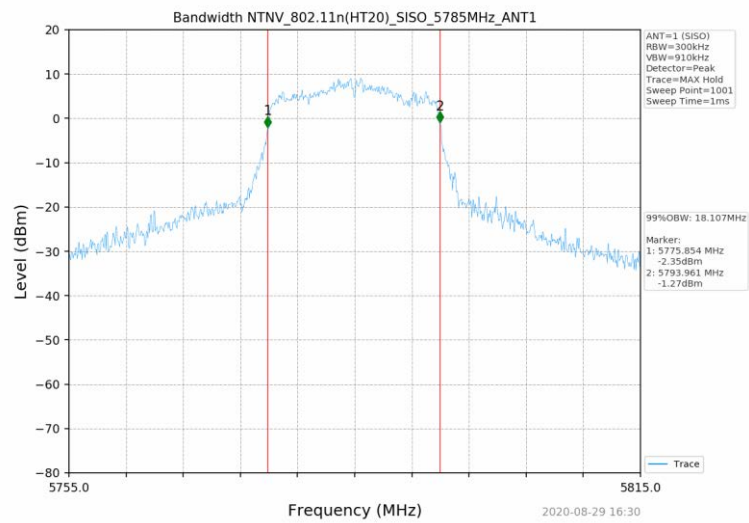
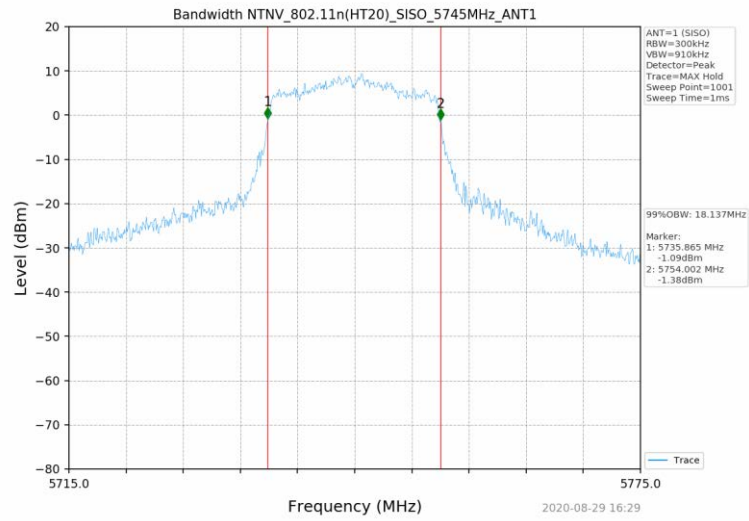


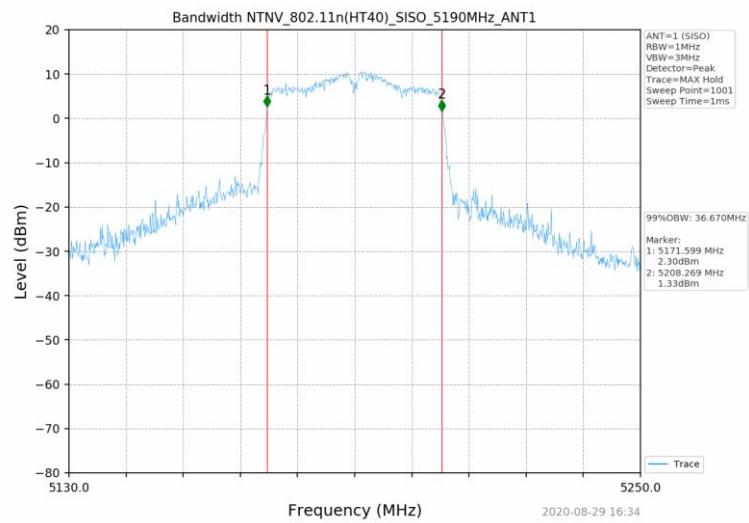
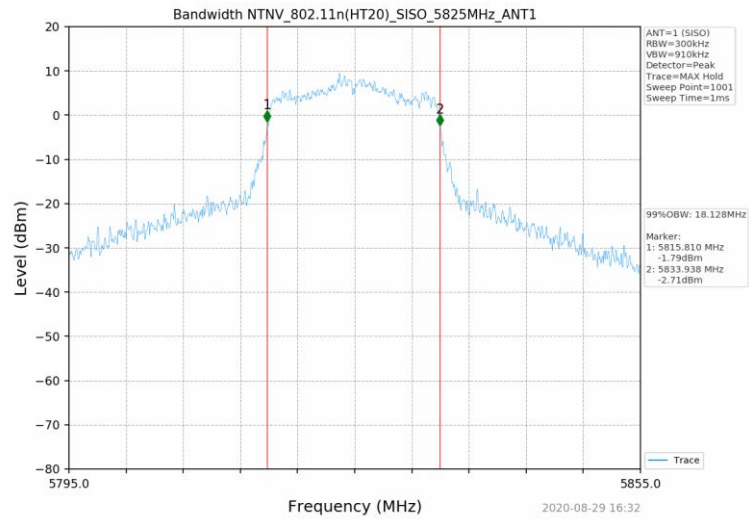


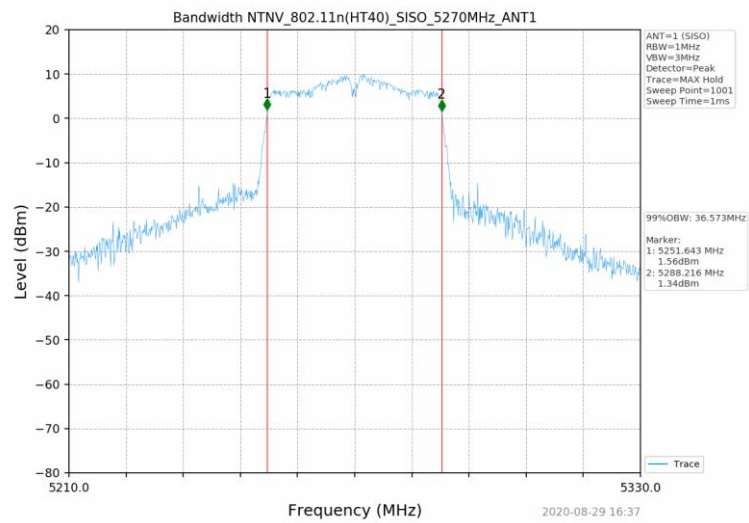
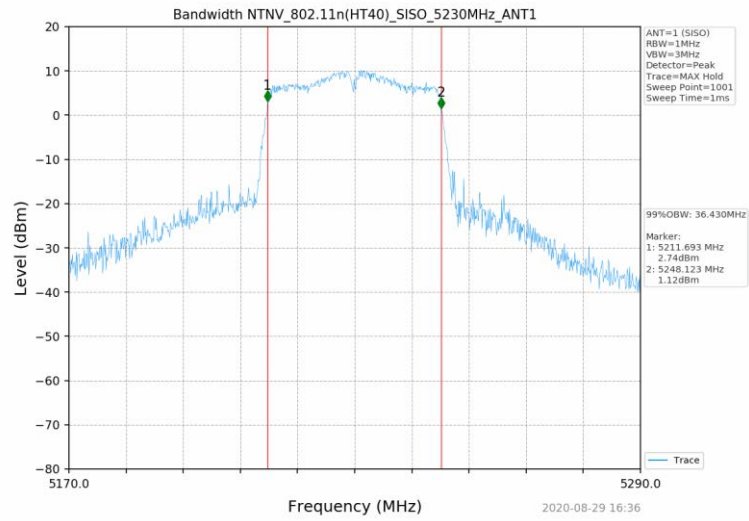


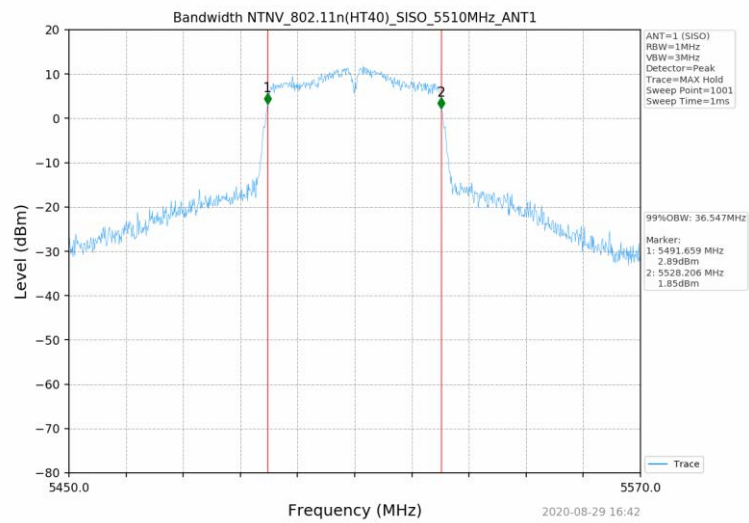
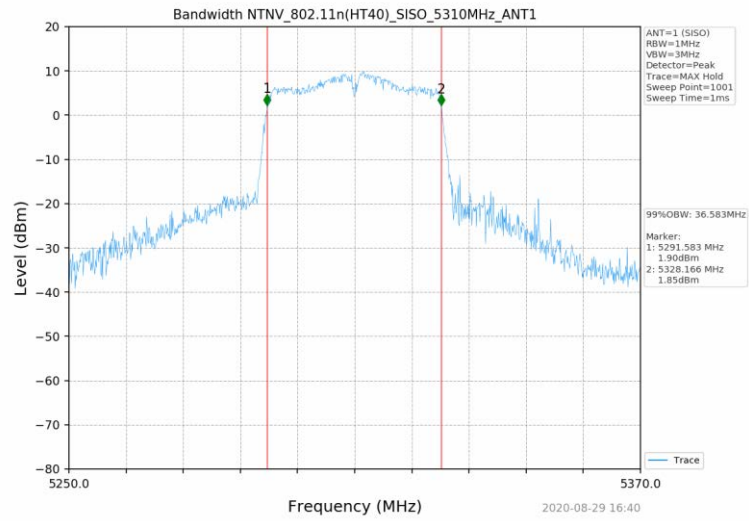


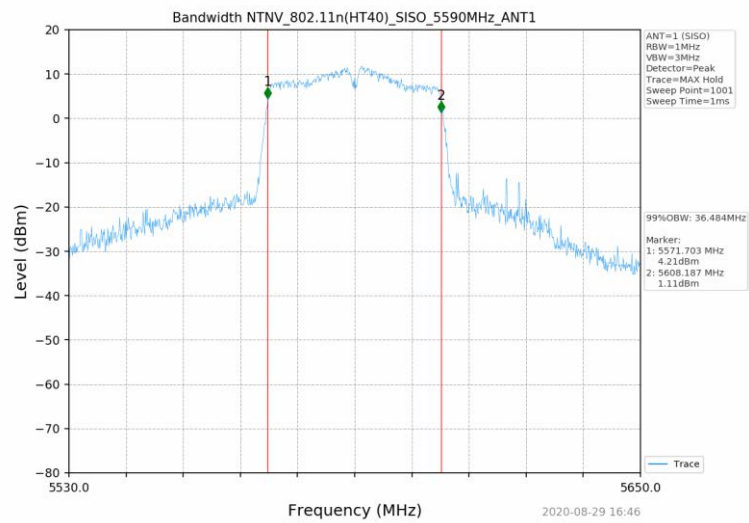
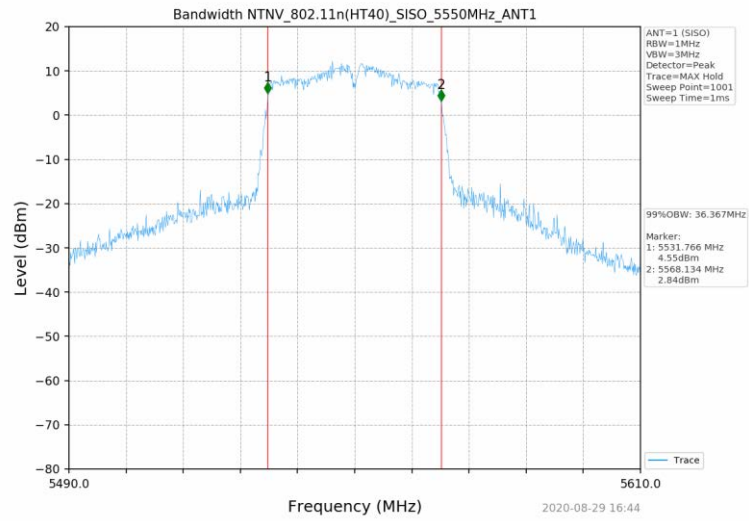


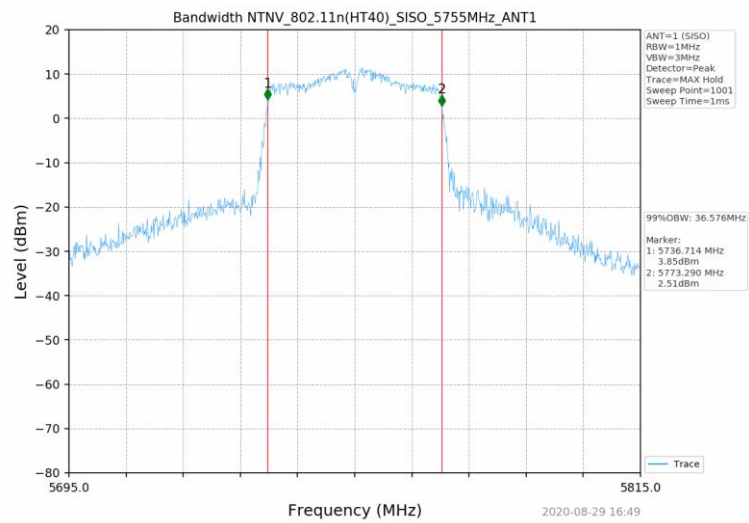
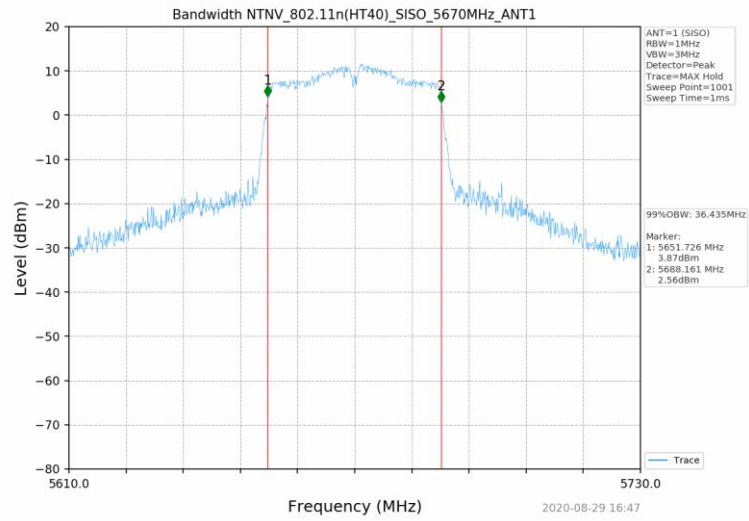


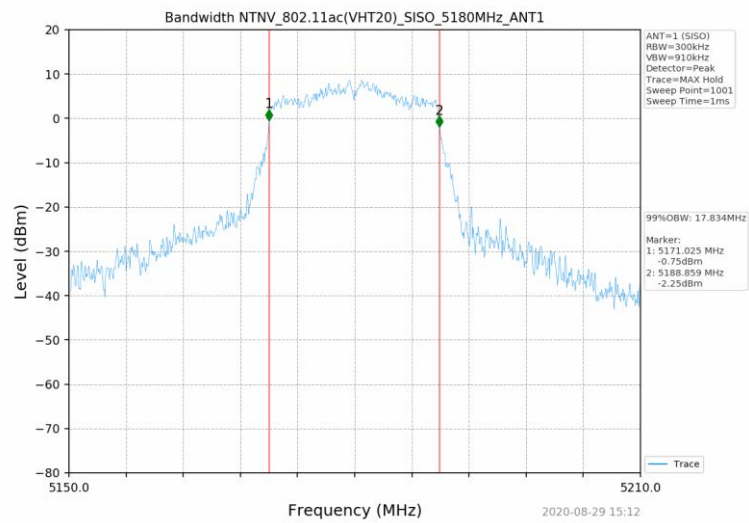
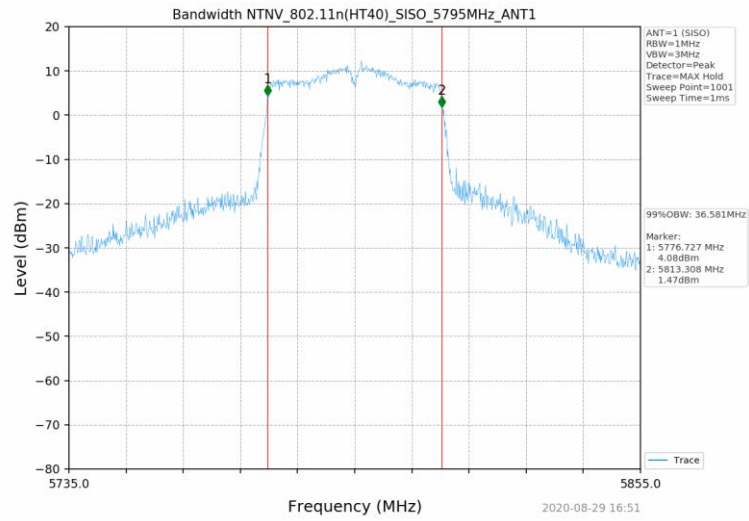


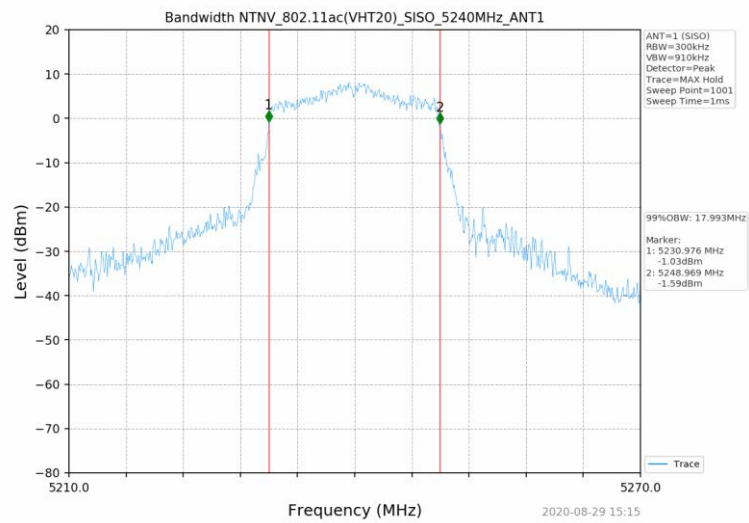
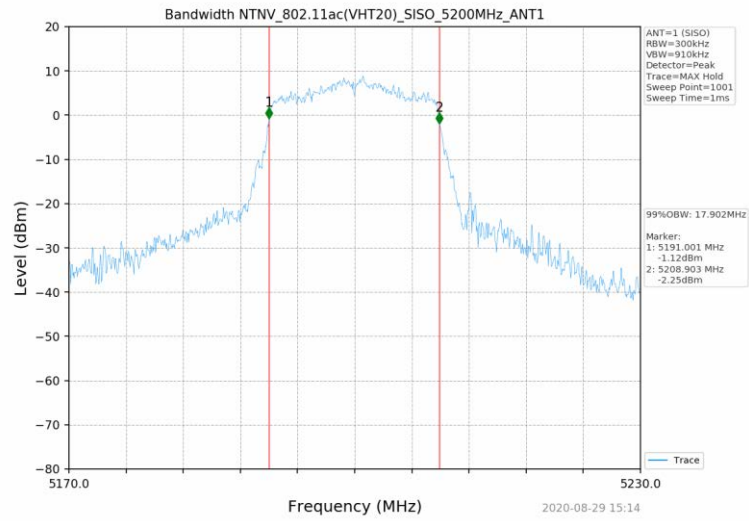


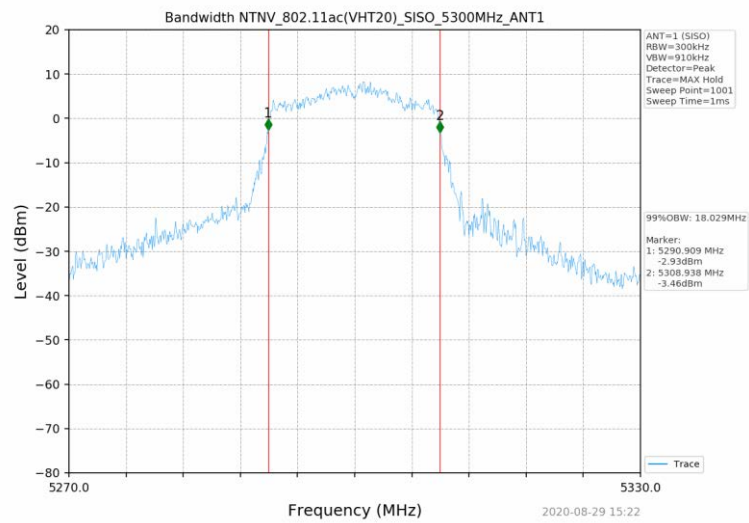
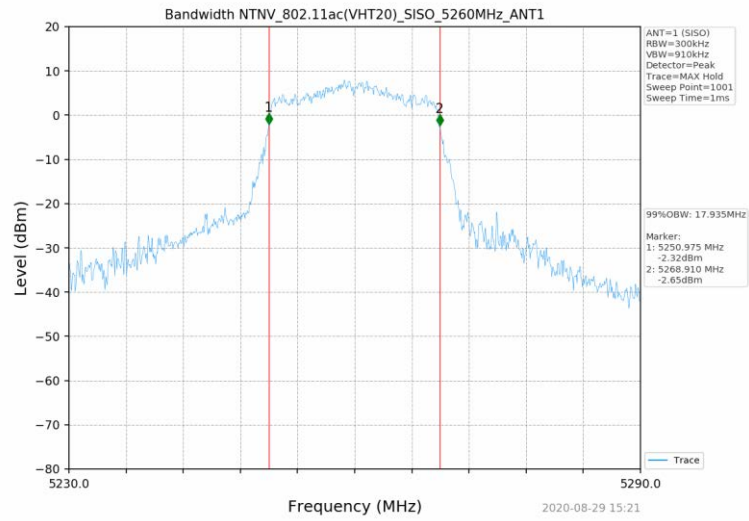


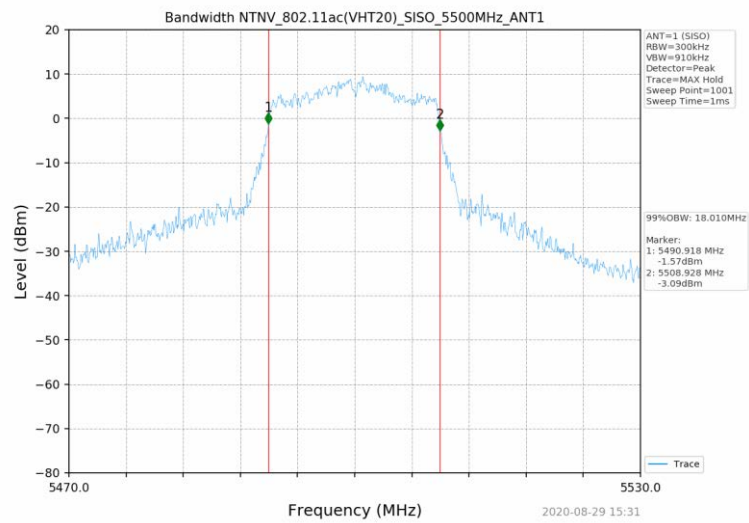
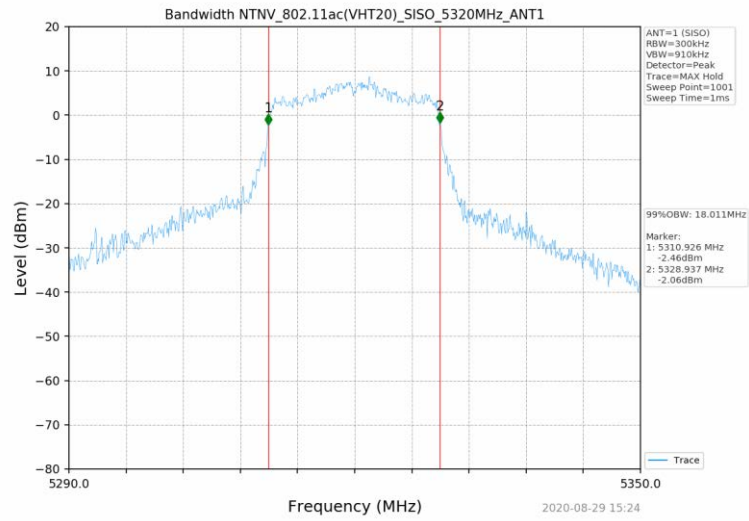


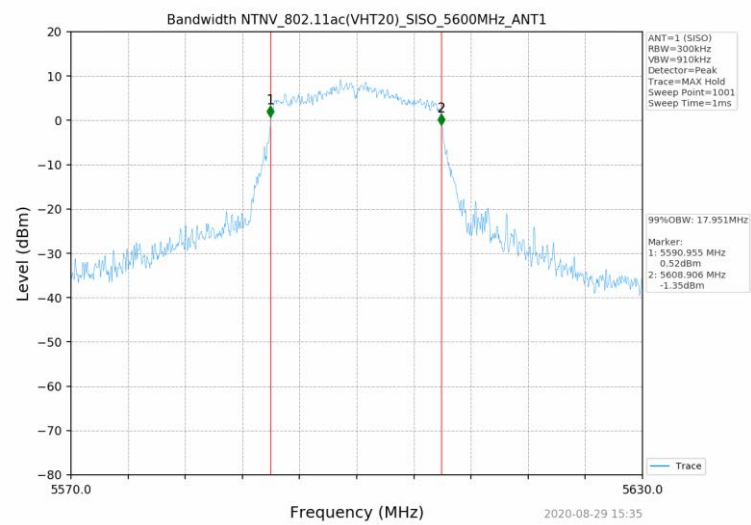
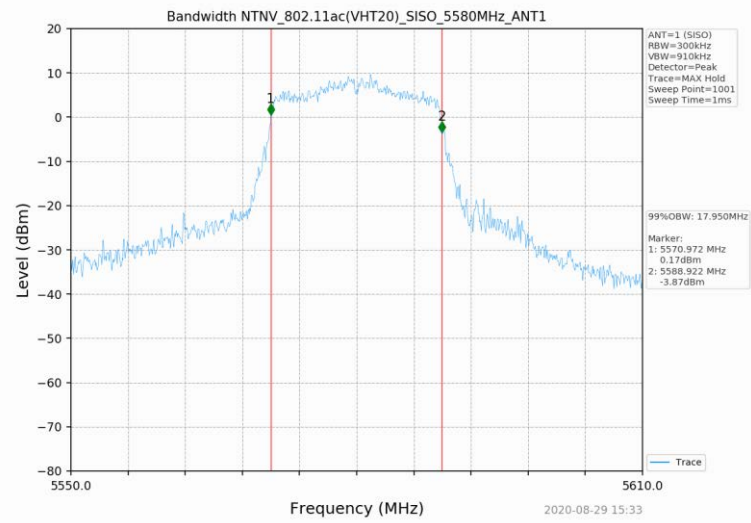


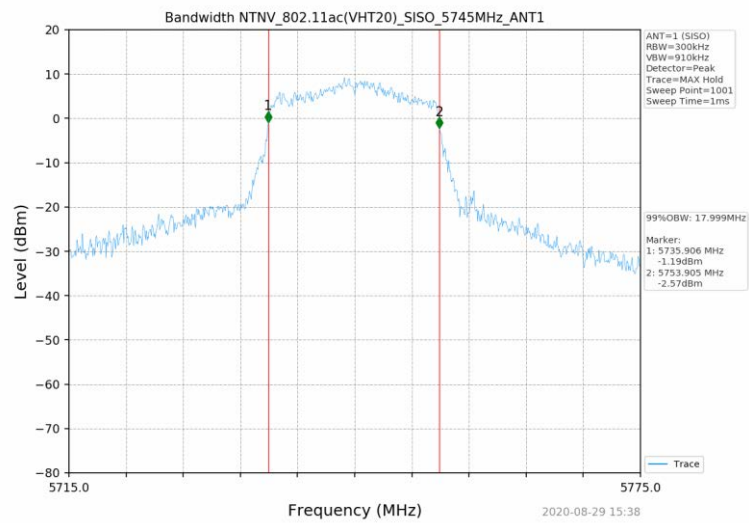
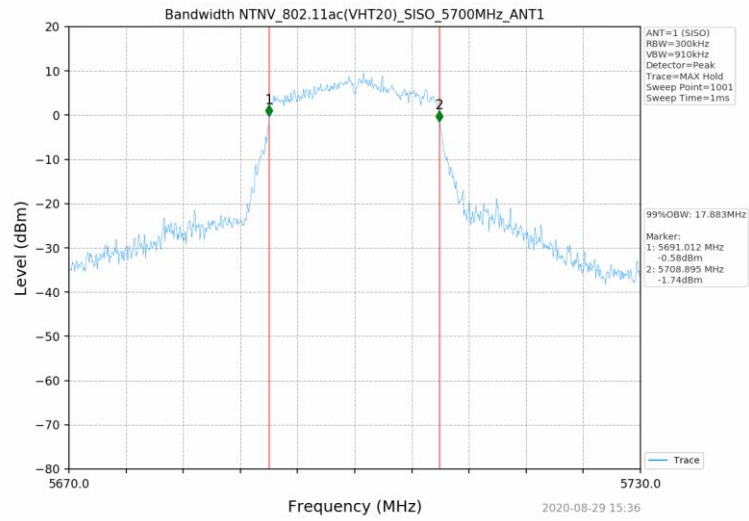


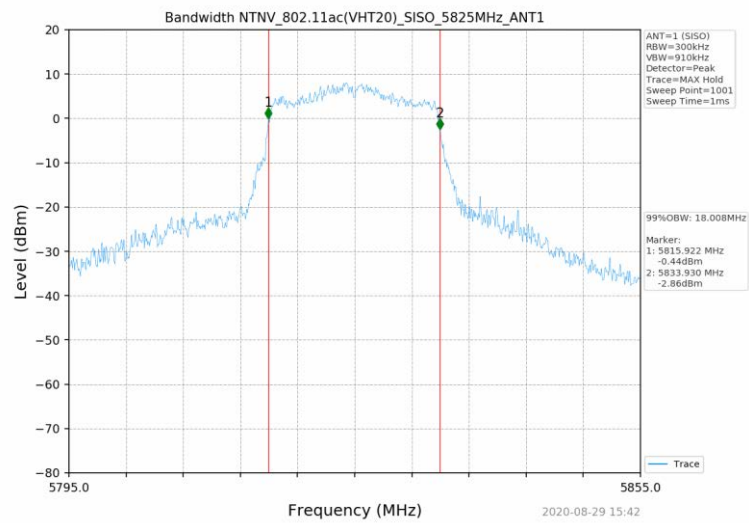
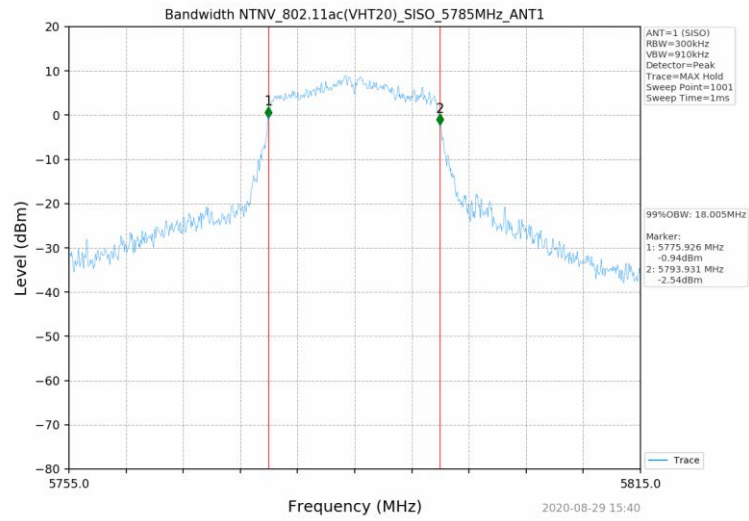


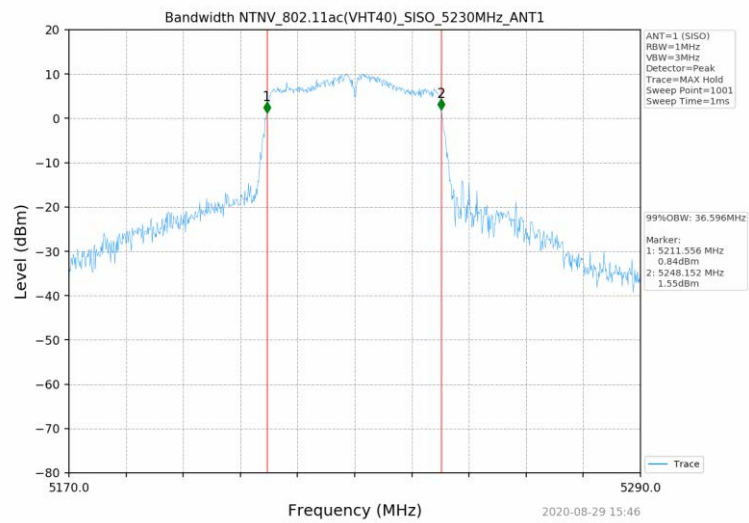
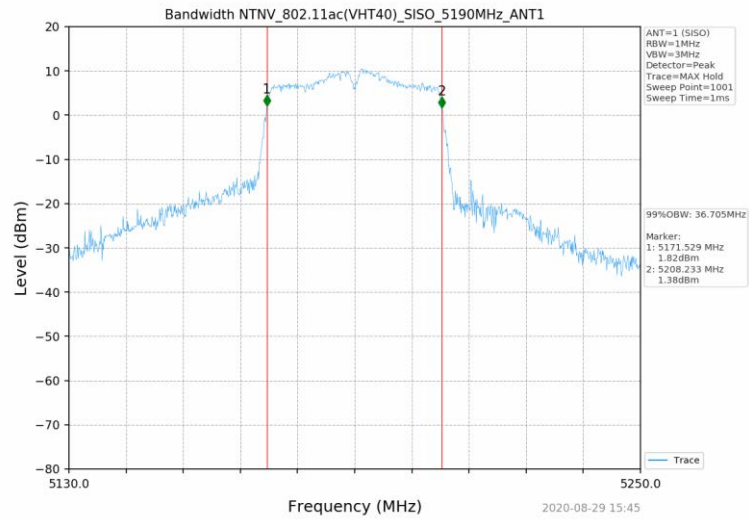


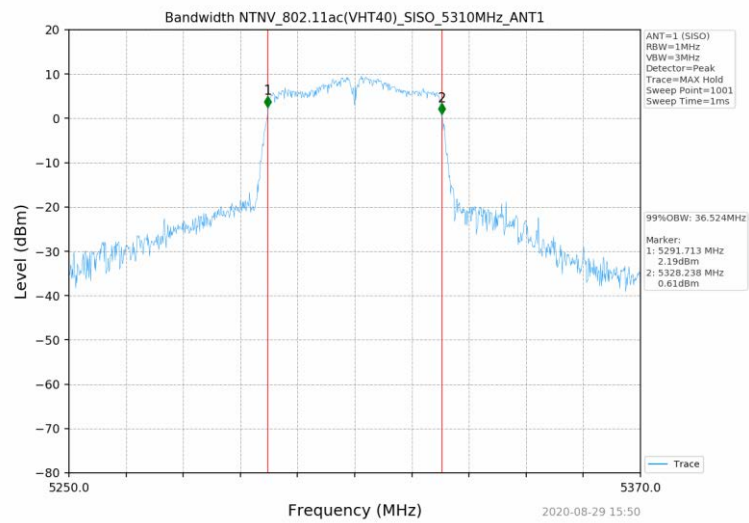
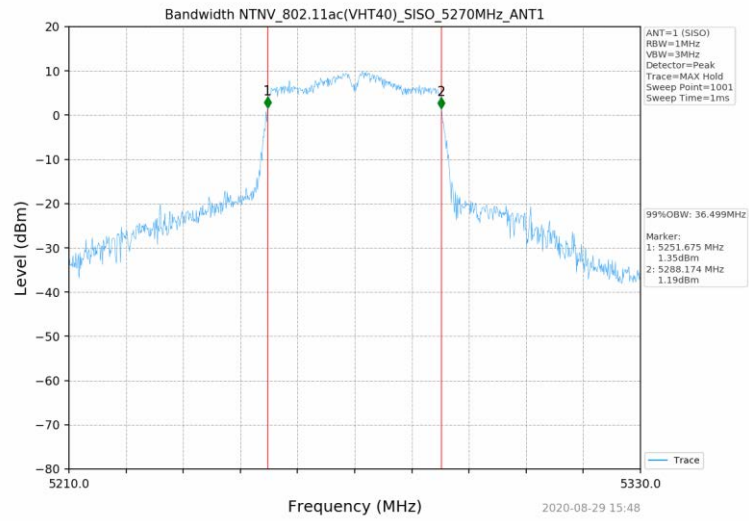


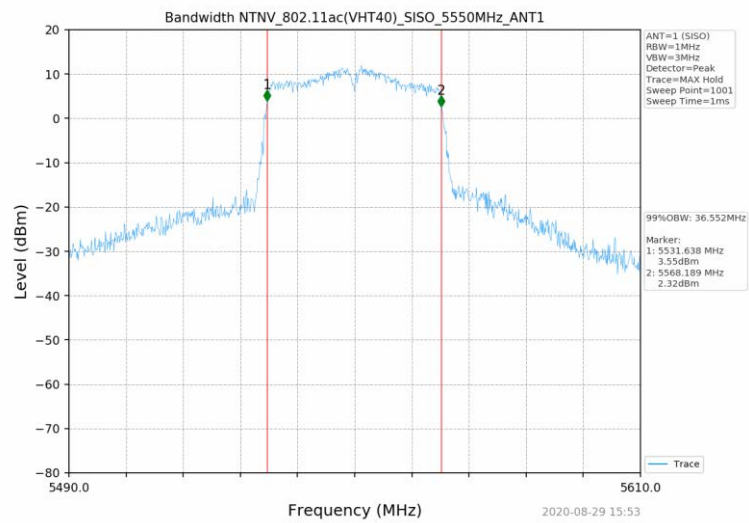
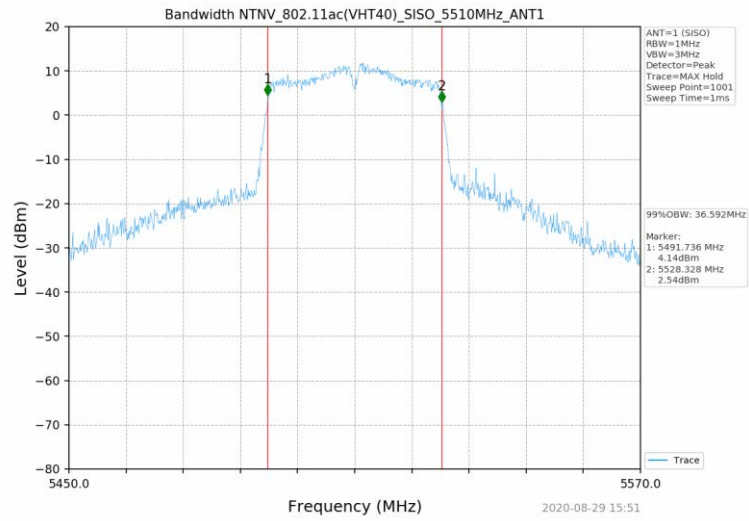


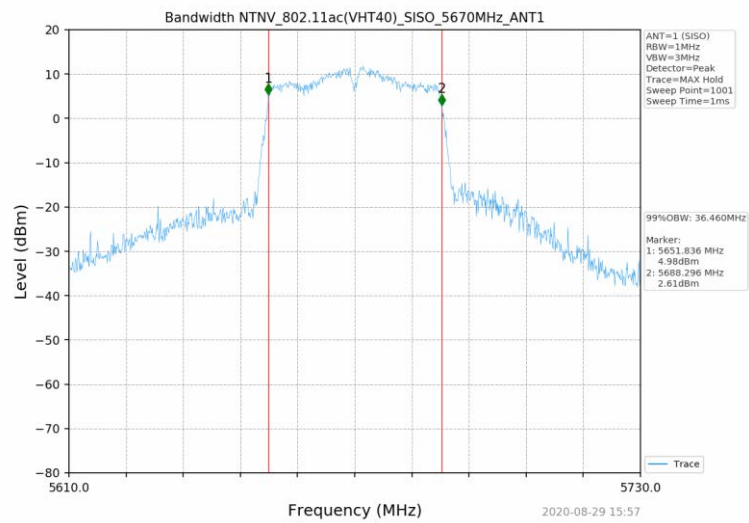
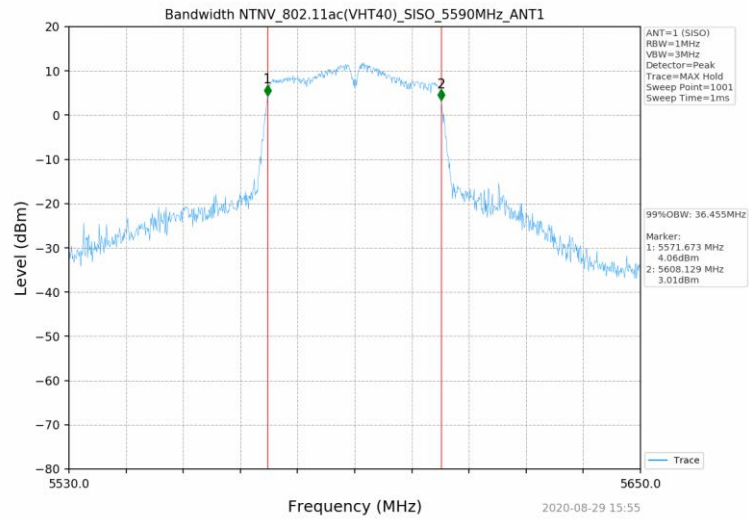


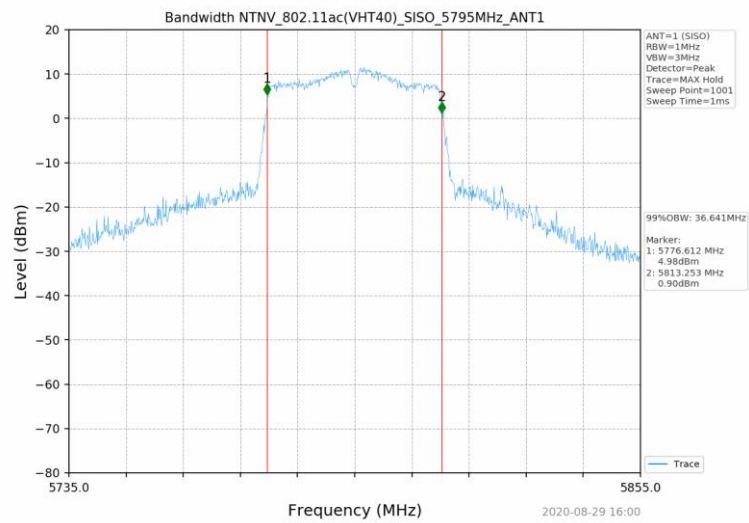
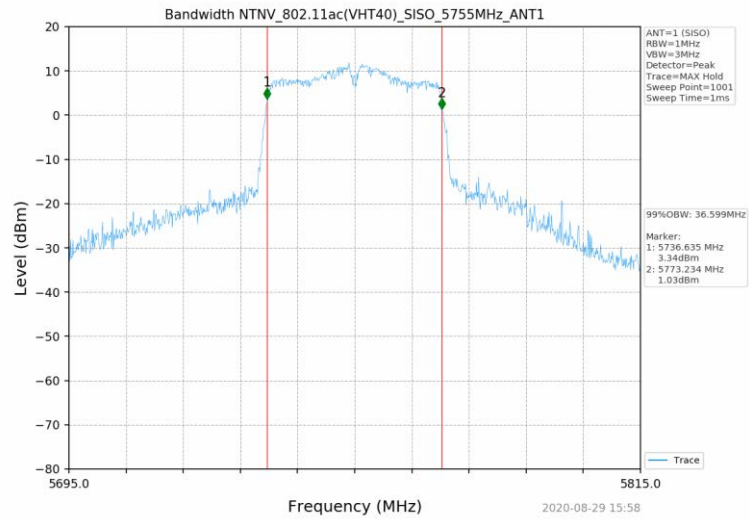


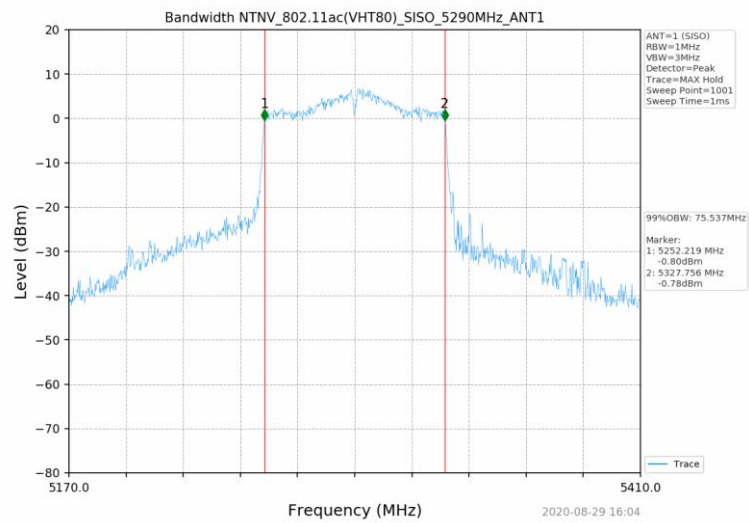
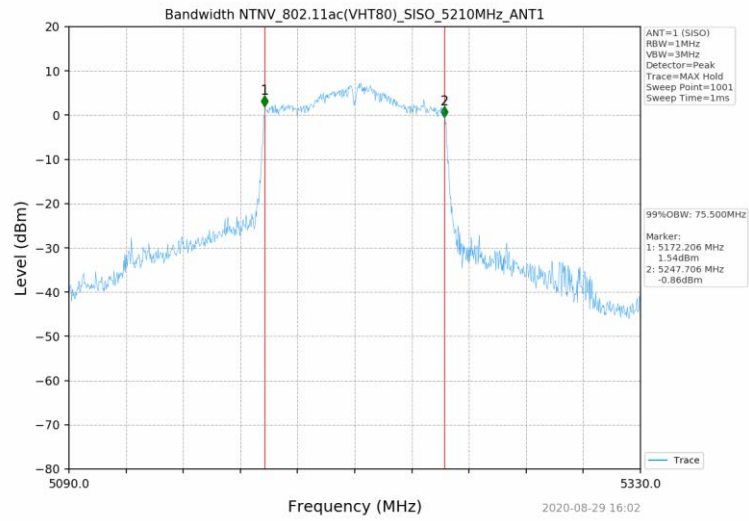


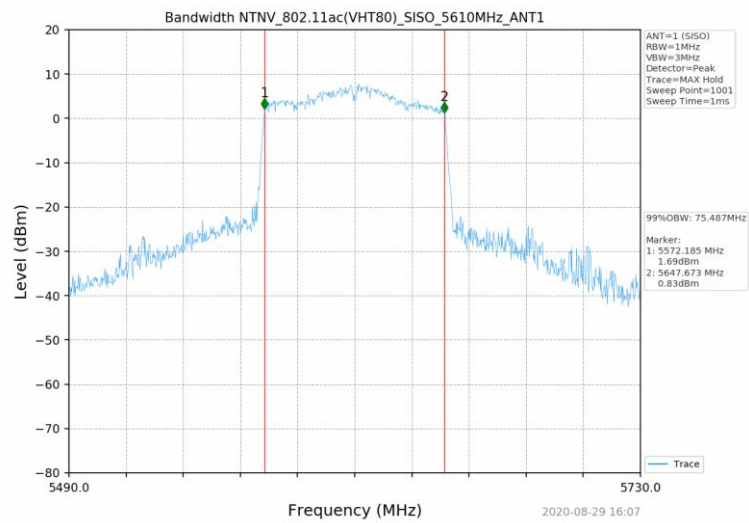
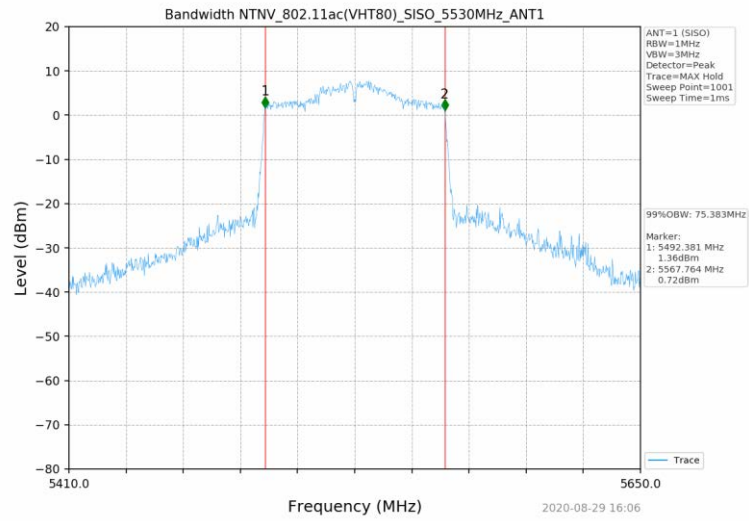


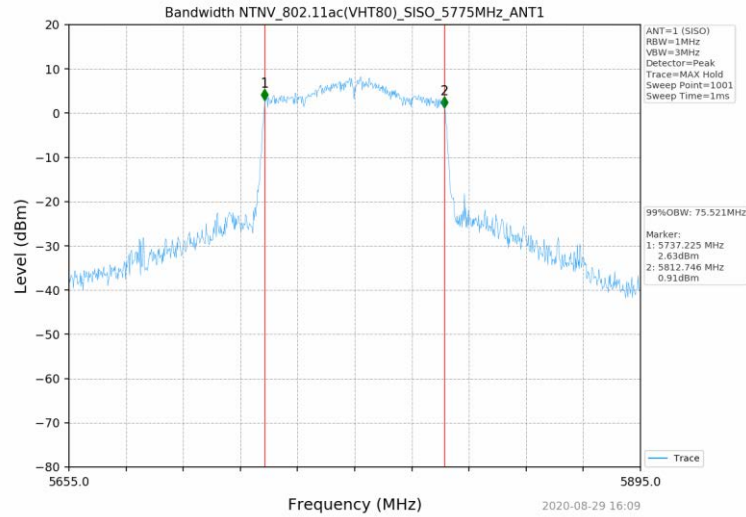












2. Maximum Conducted Output Power

2.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)	Limit (dBm)	Verdict
			Ant 1		
802.11a	5180	SISO	16.83	≤24.00	PASS
	5200	SISO	16.72	≤24.00	PASS
	5240	SISO	16.39	≤24.00	PASS
	5260	SISO	16.40	≤24.00	PASS
	5300	SISO	16.16	≤24.00	PASS
	5320	SISO	16.27	≤24.00	PASS
	5500	SISO	17.37	≤24.00	PASS
	5580	SISO	17.33	≤24.00	PASS
	5600	SISO	17.30	≤24.00	PASS
	5700	SISO	17.10	≤24.00	PASS
	5745	SISO	17.27	≤30.00	PASS
	5785	SISO	17.32	≤30.00	PASS
802.11n(HT20)	5825	SISO	16.51	≤30.00	PASS
	5180	SISO	16.49	≤24.00	PASS
	5200	SISO	16.54	≤24.00	PASS
	5240	SISO	16.34	≤24.00	PASS
	5260	SISO	16.01	≤24.00	PASS
	5300	SISO	15.87	≤24.00	PASS
	5320	SISO	15.97	≤24.00	PASS
	5500	SISO	17.22	≤24.00	PASS
	5580	SISO	17.23	≤24.00	PASS
	5600	SISO	17.11	≤24.00	PASS
	5700	SISO	16.78	≤24.00	PASS
	5745	SISO	17.18	≤30.00	PASS
802.11n(HT40)	5785	SISO	17.10	≤30.00	PASS
	5825	SISO	16.36	≤30.00	PASS
	5190	SISO	15.42	≤24.00	PASS
	5230	SISO	15.25	≤24.00	PASS
	5270	SISO	14.85	≤24.00	PASS
	5310	SISO	14.72	≤24.00	PASS

	5510	SISO	16.71	≤24.00	PASS
	5550	SISO	16.75	≤24.00	PASS
	5590	SISO	16.74	≤24.00	PASS
	5670	SISO	16.56	≤24.00	PASS
	5755	SISO	16.29	≤30.00	PASS
	5795	SISO	16.02	≤30.00	PASS
802.11ac(VHT20)	5180	SISO	16.53	≤24.00	PASS
	5200	SISO	16.26	≤24.00	PASS
	5240	SISO	16.13	≤24.00	PASS
	5260	SISO	15.92	≤24.00	PASS
	5300	SISO	15.86	≤24.00	PASS
	5320	SISO	15.91	≤24.00	PASS
	5500	SISO	17.02	≤24.00	PASS
	5580	SISO	17.06	≤24.00	PASS
	5600	SISO	16.83	≤24.00	PASS
	5700	SISO	16.81	≤24.00	PASS
	5745	SISO	17.04	≤30.00	PASS
	5785	SISO	16.84	≤30.00	PASS
802.11ac(VHT40)	5825	SISO	16.19	≤30.00	PASS
	5190	SISO	15.30	≤24.00	PASS
	5230	SISO	15.25	≤24.00	PASS
	5270	SISO	14.78	≤24.00	PASS
	5310	SISO	14.62	≤24.00	PASS
	5510	SISO	16.70	≤24.00	PASS
	5550	SISO	16.72	≤24.00	PASS
	5590	SISO	16.74	≤24.00	PASS
	5670	SISO	16.58	≤24.00	PASS
	5755	SISO	16.41	≤30.00	PASS
802.11ac(VHT80)	5795	SISO	16.15	≤30.00	PASS
	5210	SISO	14.38	≤24.00	PASS
	5290	SISO	14.01	≤24.00	PASS
	5530	SISO	15.31	≤24.00	PASS
	5610	SISO	15.37	≤24.00	PASS
	5775	SISO	15.94	≤30.00	PASS

2.2 Test Graph

