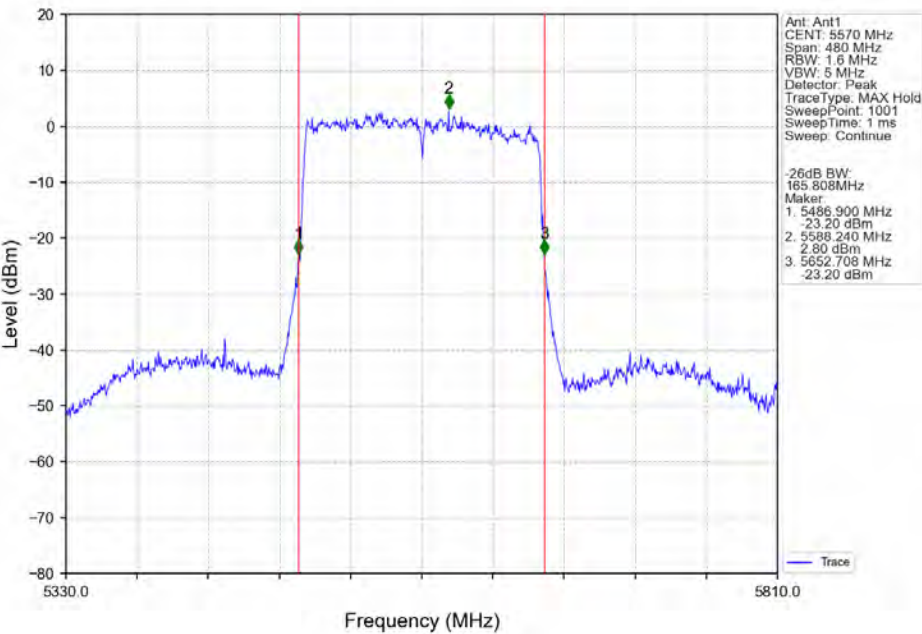
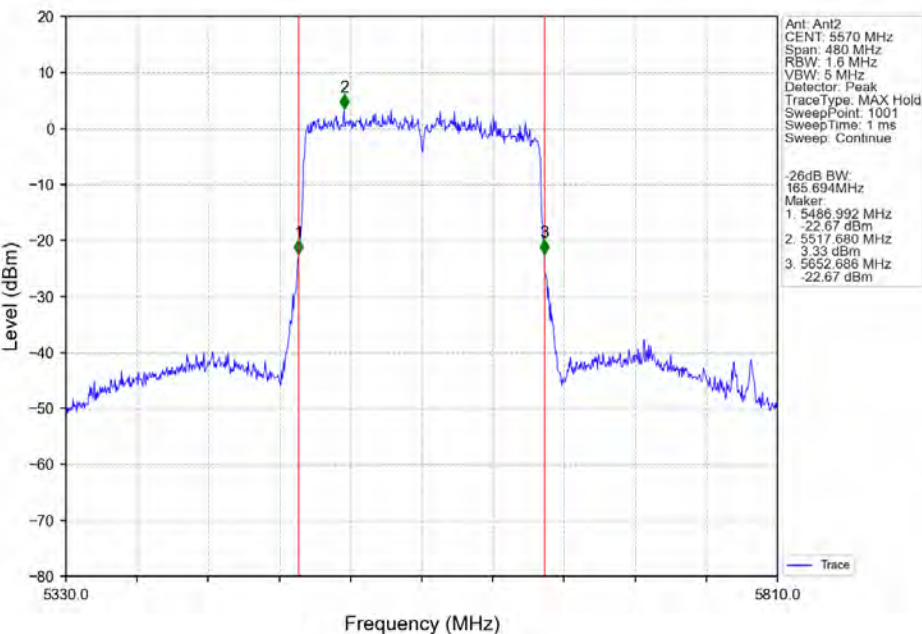


802.11ax(HEW160)_MCH_5570MHz_2xRU996_Left_Ant1_NTNV



802.11ax(HEW160)_MCH_5570MHz_2xRU996_Left_Ant5_NTNV



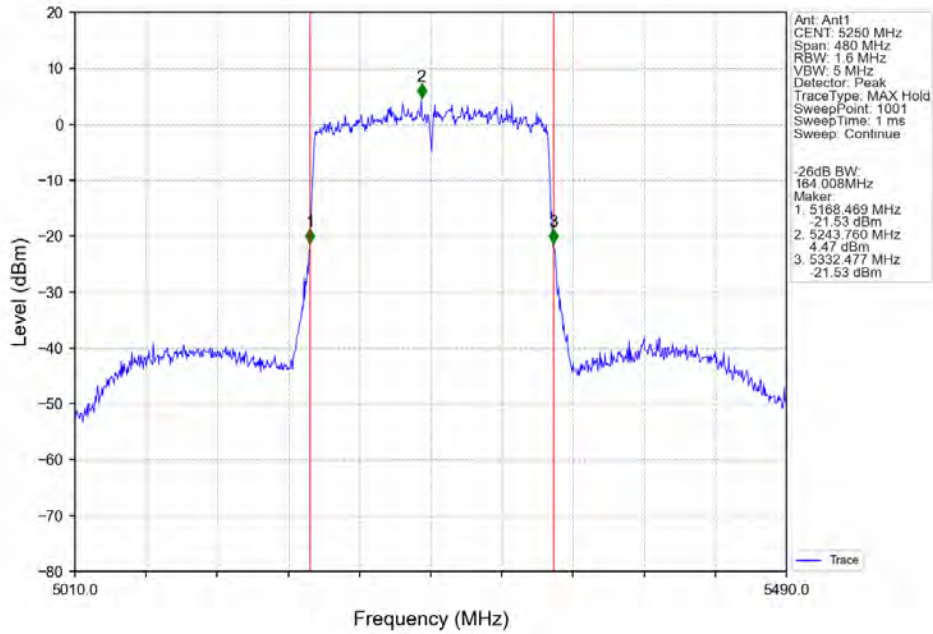
Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

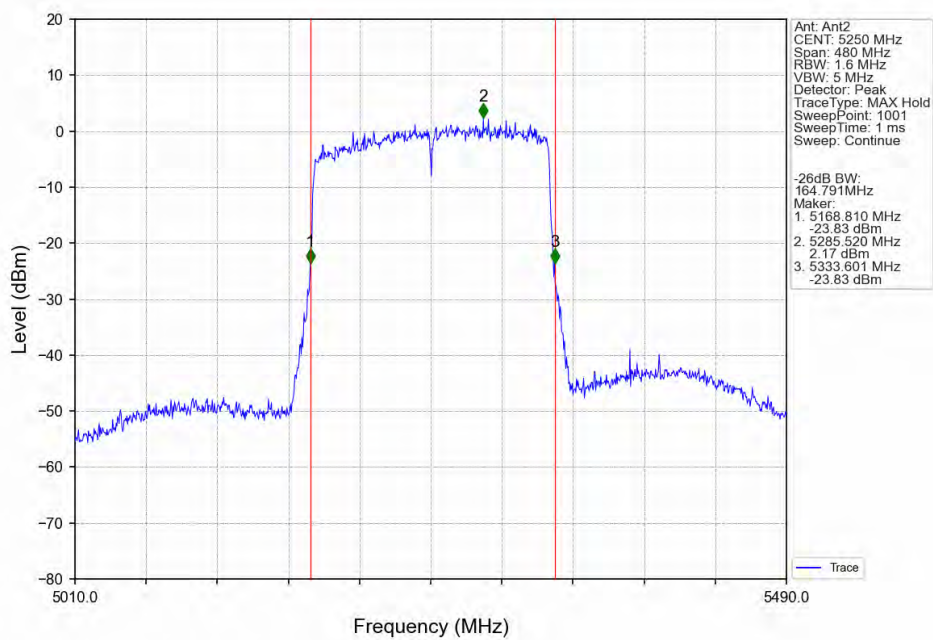
Report No.: KSCR240700121705

Page: 539 of 807

802.11ax(HEW160)_MCH_5250MHz_2xRU996_Left_Ant1_NTNV



802.11ax(HEW160)_MCH_5250MHz_2xRU996_Left_Ant5_NTNV



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power for FCC

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)				Verdict
					ANT1	ANT5	MIMO	Limit	
802.11a	SISO	5180	/	/	16.57	16.03	/	<=23.98	Pass
		5200	/	/	16.88	16.61	/	<=23.98	Pass
		5240	/	/	16.65	17.13	/	<=23.98	Pass
		5260	/	/	16.66	15.86	/	<=23.94	Pass
		5300	/	/	16.83	16.55	/	<=23.79	Pass
		5320	/	/	16.95	17.00	/	<=23.91	Pass
		5500	/	/	16.73	16.14	/	<=23.98	Pass
		5580	/	/	16.33	16.56	/	<=23.98	Pass
		5700	/	/	16.61	15.95	/	<=23.83	Pass
		5745	/	/	16.78	17.29	/	<=30	Pass
		5785	/	/	16.84	17.23	/	<=30	Pass
		5825	/	/	17.81	17.59	/	<=30	Pass
802.11n (HT20)	MIMO	5180	/	/	14.44	11.94	16.38	<=23.98	Pass
		5200	/	/	14.71	12.48	16.75	<=23.98	Pass
		5240	/	/	14.49	13.01	16.82	<=23.98	Pass
		5260	/	/	13.48	12.52	16.04	<=23.98	Pass
		5300	/	/	13.61	13.10	16.37	<=23.98	Pass
		5320	/	/	13.75	13.46	16.62	<=23.98	Pass
		5500	/	/	13.05	12.73	15.90	<=23.98	Pass
		5580	/	/	13.60	13.28	16.45	<=23.98	Pass
		5700	/	/	13.85	12.55	16.26	<=23.98	Pass
		5745	/	/	14.18	14.48	17.34	<=30	Pass
		5785	/	/	14.51	14.52	17.53	<=30	Pass
		5825	/	/	15.32	15.00	18.17	<=30	Pass
802.11n (HT40)	MIMO	5190	/	/	13.51	11.11	15.48	<=23.98	Pass
		5230	/	/	13.54	11.81	15.77	<=23.98	Pass
		5270	/	/	12.76	11.65	15.25	<=23.98	Pass
		5310	/	/	12.72	12.39	15.57	<=23.98	Pass
		5510	/	/	12.09	11.59	14.86	<=23.98	Pass
		5550	/	/	11.95	11.64	14.81	<=23.98	Pass
		5670	/	/	12.85	11.31	15.16	<=23.98	Pass
		5755	/	/	13.25	13.25	16.26	<=30	Pass
		5795	/	/	13.61	13.59	16.61	<=30	Pass
802.11ac	MIMO	5180	/	/	13.22	10.80	15.19	<=23.98	Pass

Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240700121705

Page: 541 of 807

(VHT20)		5200	/	/	13.47	11.31	15.53	<=23.98	Pass
		5240	/	/	13.31	11.97	15.70	<=23.98	Pass
		5260	/	/	12.40	11.30	14.90	<=23.98	Pass
		5300	/	/	12.43	11.98	15.22	<=23.98	Pass
		5320	/	/	12.58	12.41	15.51	<=23.98	Pass
		5500	/	/	11.85	11.53	14.70	<=23.98	Pass
		5580	/	/	12.29	12.09	15.20	<=23.98	Pass
		5700	/	/	12.77	11.51	15.20	<=23.98	Pass
		5745	/	/	13.14	13.30	16.23	<=30	Pass
		5785	/	/	13.44	13.48	16.47	<=30	Pass
		5825	/	/	14.15	14.01	17.09	<=30	Pass
802.11ac (VHT40)	MIMO	5190	/	/	13.90	11.40	15.84	<=23.98	Pass
		5230	/	/	13.92	11.96	16.06	<=23.98	Pass
		5270	/	/	13.22	11.75	15.56	<=23.98	Pass
		5310	/	/	13.16	12.33	15.78	<=23.98	Pass
		5510	/	/	12.48	11.63	15.09	<=23.98	Pass
		5550	/	/	12.25	11.71	15.00	<=23.98	Pass
		5670	/	/	13.19	11.26	15.34	<=23.98	Pass
		5755	/	/	13.45	13.15	16.31	<=30	Pass
		5795	/	/	13.82	13.42	16.63	<=30	Pass
802.11ac (VHT80)	MIMO	5210	/	/	12.10	9.78	14.10	<=23.98	Pass
		5290	/	/	11.24	10.29	13.80	<=23.98	Pass
		5530	/	/	10.72	10.47	13.61	<=23.98	Pass
		5610	/	/	11.60	10.78	14.22	<=23.98	Pass
		5775	/	/	11.98	11.57	14.79	<=30	Pass
802.11ac (VHT160)	MIMO	5570	/	/	10.69	10.80	13.76	<=23.98	Pass
		5250	/	/	11.50	9.47	13.61	<=23.98	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	11.95	9.11	13.77	<=23.98	Pass
		5200	RU242	Left	12.20	9.64	14.12	<=23.98	Pass
		5240	RU242	Left	11.97	10.22	14.19	<=23.98	Pass
		5260	RU242	Left	11.09	9.47	13.37	<=23.98	Pass
		5300	RU242	Left	11.17	10.30	13.77	<=23.98	Pass
		5320	RU242	Left	11.35	10.67	14.03	<=23.98	Pass
		5500	RU242	Left	10.65	9.81	13.26	<=23.98	Pass
		5580	RU242	Left	10.93	10.30	13.64	<=23.98	Pass
		5700	RU242	Left	11.42	9.67	13.64	<=23.98	Pass
		5745	RU242	Left	11.80	11.37	14.60	<=30	Pass
		5785	RU242	Left	12.05	11.66	14.87	<=30	Pass
		5825	RU242	Left	12.54	11.99	15.28	<=30	Pass
802.11ax (HEW40)	MIMO	5190	RU484	Left	11.46	9.05	13.43	<=23.98	Pass
		5230	RU484	Left	11.32	9.60	13.55	<=23.98	Pass
		5270	RU484	Left	10.69	9.44	13.12	<=23.98	Pass
		5310	RU484	Left	10.63	10.30	13.48	<=23.98	Pass
		5510	RU484	Left	10.13	9.45	12.81	<=23.98	Pass



Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240700121705

Page: 542 of 807

		5550	RU484	Left	9.84	9.56	12.71	<=23.98	Pass
		5670	RU484	Left	10.73	8.96	12.94	<=23.98	Pass
		5755	RU484	Left	11.27	11.05	14.17	<=30	Pass
		5795	RU484	Left	11.58	11.31	14.46	<=30	Pass
802.11ax (HEW80)	MIMO	5210	RU996	Left	12.03	9.70	14.03	<=23.98	Pass
		5290	RU996	Left	11.12	10.14	13.67	<=23.98	Pass
		5530	RU996	Left	10.63	10.30	13.48	<=23.98	Pass
		5610	RU996	Left	11.51	10.53	14.06	<=23.98	Pass
		5775	RU996	Left	11.87	11.41	14.66	<=30	Pass
802.11ax (HEW160)	MIMO	5570	2xRU996	Left	10.59	10.86	13.74	<=23.98	Pass
		5250	2xRU996	Left	11.54	9.53	13.66	<=23.98	Pass

Note1: Antenna Gain: Band1: Ant1: 2.62dBi, Ant5: 1.84dBi; Band2A: Ant1: 1.72dBi, Ant5: 1.48dBi; Band2C: Ant1: 1.47dBi, Ant5: 1.64dBi; Band3: Ant1: 0.88dBi, Ant5: 2.26dBi

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240700121705

Page: 543 of 807

3.1.2 EIRP for IC

Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)				Verdict
					ANT1	ANT5	MIMO	Limit	
802.11a	SISO	5180	/	/	19.19	17.87	/	<=22.24	Pass
		5200	/	/	19.50	18.45	/	<=22.25	Pass
		5240	/	/	19.27	18.97	/	<=22.24	Pass
		5260	/	/	18.38	17.34	/	<=29.24	Pass
		5300	/	/	18.55	18.03	/	<=29.24	Pass
		5320	/	/	18.67	18.48	/	<=29.23	Pass
		5500	/	/	18.20	17.78	/	<=29.24	Pass
		5580	/	/	17.80	18.20	/	<=29.24	Pass
		5700	/	/	18.08	17.59	/	<=29.23	Pass
		5745	/	/	17.66	19.55	/	/	Pass
		5785	/	/	17.72	19.49	/	/	Pass
		5825	/	/	18.69	19.85	/	/	Pass
802.11n (HT20)	MIMO	5180	/	/	17.06	13.78	18.73	<=22.53	Pass
		5200	/	/	17.33	14.32	19.09	<=22.53	Pass
		5240	/	/	17.11	14.85	19.14	<=22.52	Pass
		5260	/	/	15.20	14.00	17.65	<=29.52	Pass
		5300	/	/	15.33	14.58	17.98	<=29.52	Pass
		5320	/	/	15.47	14.94	18.22	<=29.53	Pass
		5500	/	/	14.52	14.37	17.46	<=29.52	Pass
		5580	/	/	15.07	14.92	18.01	<=29.53	Pass
		5700	/	/	15.32	14.19	17.80	<=29.53	Pass
		5745	/	/	15.06	16.74	18.99	/	Pass
		5785	/	/	15.39	16.78	19.15	/	Pass
		5825	/	/	16.20	17.26	19.77	/	Pass
802.11n (HT40)	MIMO	5190	/	/	16.13	12.95	17.84	<=23.01	Pass
		5230	/	/	16.16	13.65	18.09	<=23.01	Pass
		5270	/	/	14.48	13.13	16.87	<=30	Pass
		5310	/	/	14.44	13.87	17.17	<=30	Pass
		5510	/	/	13.56	13.23	16.41	<=30	Pass
		5550	/	/	13.42	13.28	16.36	<=30	Pass
		5670	/	/	14.32	12.95	16.70	<=30	Pass
		5755	/	/	14.13	15.51	17.88	/	Pass
		5795	/	/	14.49	15.85	18.23	/	Pass
802.11ac (VHT20)	MIMO	5180	/	/	15.84	12.64	17.54	<=22.53	Pass
		5200	/	/	16.09	13.15	17.87	<=22.53	Pass
		5240	/	/	15.93	13.81	18.01	<=22.53	Pass
		5260	/	/	14.12	12.78	16.51	<=29.53	Pass
		5300	/	/	14.15	13.46	16.83	<=29.52	Pass
		5320	/	/	14.30	13.89	17.11	<=29.53	Pass
		5500	/	/	13.32	13.17	16.26	<=29.52	Pass

Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240700121705

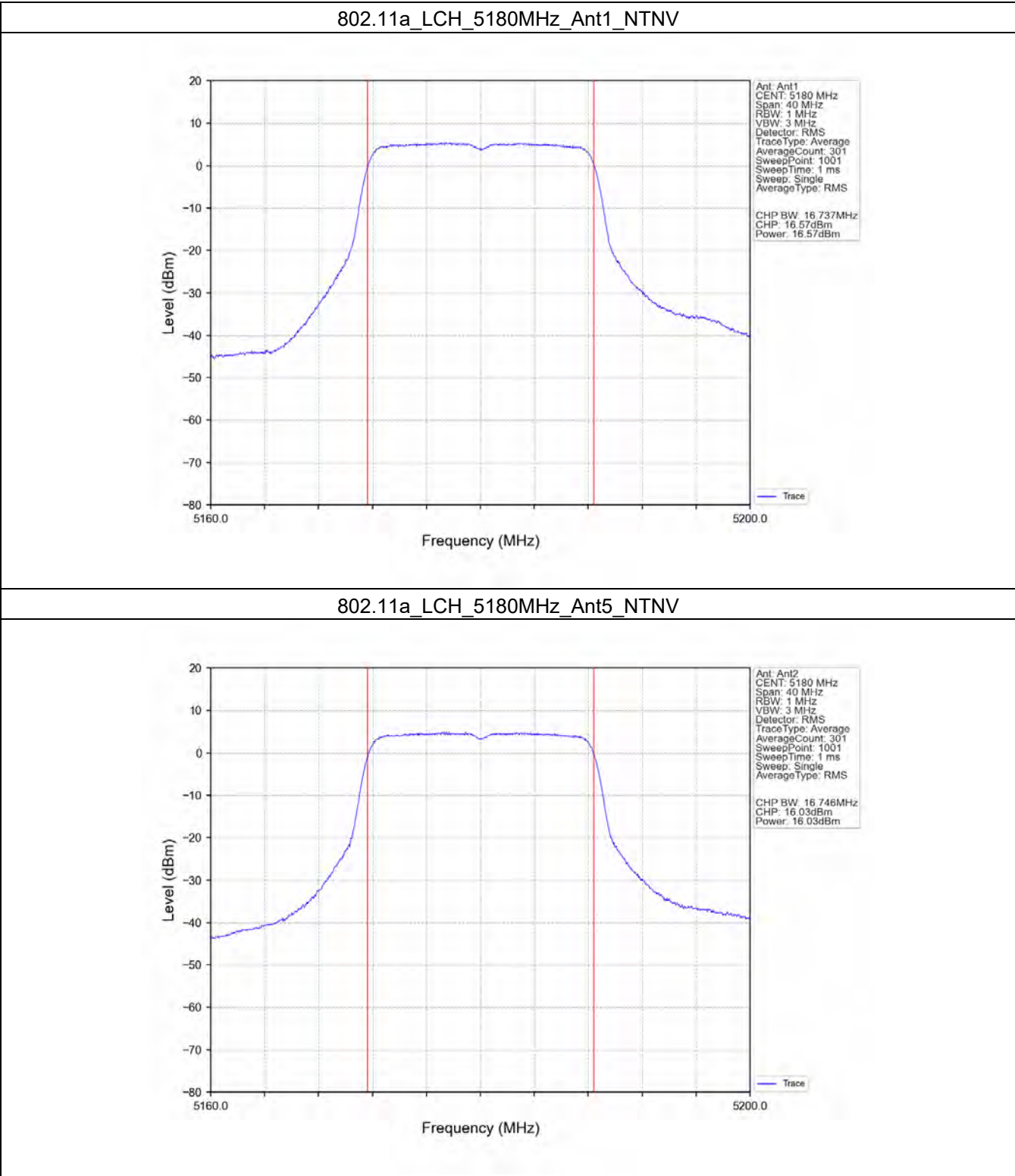
Page: 544 of 807

		5580	/	/	13.76	13.73	16.76	<=29.53	Pass
		5700	/	/	14.24	13.15	16.74	<=29.53	Pass
		5745	/	/	14.02	15.56	17.87	/	Pass
		5785	/	/	14.32	15.74	18.10	/	Pass
		5825	/	/	15.03	16.27	18.70	/	Pass
802.11ac (VHT40)	MIMO	5190	/	/	16.52	13.24	18.19	<=23.01	Pass
		5230	/	/	16.54	13.80	18.39	<=23.01	Pass
		5270	/	/	14.94	13.23	17.18	<=30	Pass
		5310	/	/	14.88	13.81	17.39	<=30	Pass
		5510	/	/	13.95	13.27	16.63	<=30	Pass
		5550	/	/	13.72	13.35	16.55	<=30	Pass
		5670	/	/	14.66	12.90	16.88	<=30	Pass
		5755	/	/	14.33	15.41	17.91	/	Pass
802.11ac (VHT80)	MIMO	5795	/	/	14.70	15.68	18.23	/	Pass
		5210	/	/	14.72	11.62	16.45	<=23.01	Pass
		5290	/	/	12.96	11.77	15.42	<=30	Pass
		5530	/	/	12.19	12.11	15.16	<=30	Pass
802.11ac (VHT160)	MIMO	5775	/	/	12.86	13.83	16.38	/	Pass
802.11ax (HEW20)	MIMO	5250	/	/	14.12	11.31	15.95	<=23.01	Pass
		5180	RU242	Left	14.57	10.95	16.14	<=22.82	Pass
		5200	RU242	Left	14.82	11.48	16.47	<=22.83	Pass
		5240	RU242	Left	14.59	12.06	16.52	<=22.82	Pass
		5260	RU242	Left	12.81	10.95	14.99	<=29.82	Pass
		5300	RU242	Left	12.89	11.78	15.38	<=29.82	Pass
		5320	RU242	Left	13.07	12.15	15.64	<=29.81	Pass
		5500	RU242	Left	12.12	11.45	14.81	<=29.82	Pass
		5580	RU242	Left	12.40	11.94	15.19	<=29.81	Pass
		5700	RU242	Left	12.89	11.31	15.18	<=29.81	Pass
		5745	RU242	Left	12.68	13.63	16.19	/	Pass
		5785	RU242	Left	12.93	13.92	16.46	/	Pass
802.11ax (HEW40)	MIMO	5825	RU242	Left	13.42	14.25	16.87	/	Pass
		5190	RU484	Left	14.08	10.89	15.78	<=23.01	Pass
		5230	RU484	Left	13.94	11.44	15.88	<=23.01	Pass
		5270	RU484	Left	12.41	10.92	14.74	<=30	Pass
		5310	RU484	Left	12.35	11.78	15.08	<=30	Pass
		5510	RU484	Left	11.60	11.09	14.36	<=30	Pass
		5550	RU484	Left	11.31	11.20	14.27	<=30	Pass
		5670	RU484	Left	12.20	10.60	14.48	<=30	Pass
		5755	RU484	Left	12.15	13.31	15.78	/	Pass
802.11ax (HEW80)	MIMO	5795	RU484	Left	12.46	13.57	16.06	/	Pass
		5210	RU996	Left	14.65	11.54	16.38	<=23.01	Pass
		5290	RU996	Left	12.84	11.62	15.28	<=30	Pass
		5530	RU996	Left	12.10	11.94	15.03	<=30	Pass

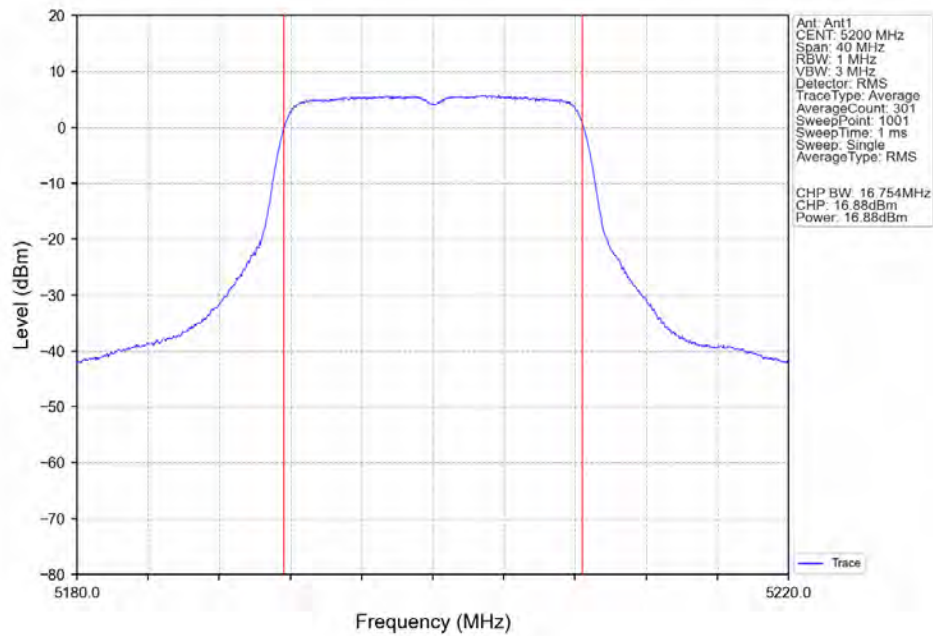
Note3: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

3.2 Test Graph

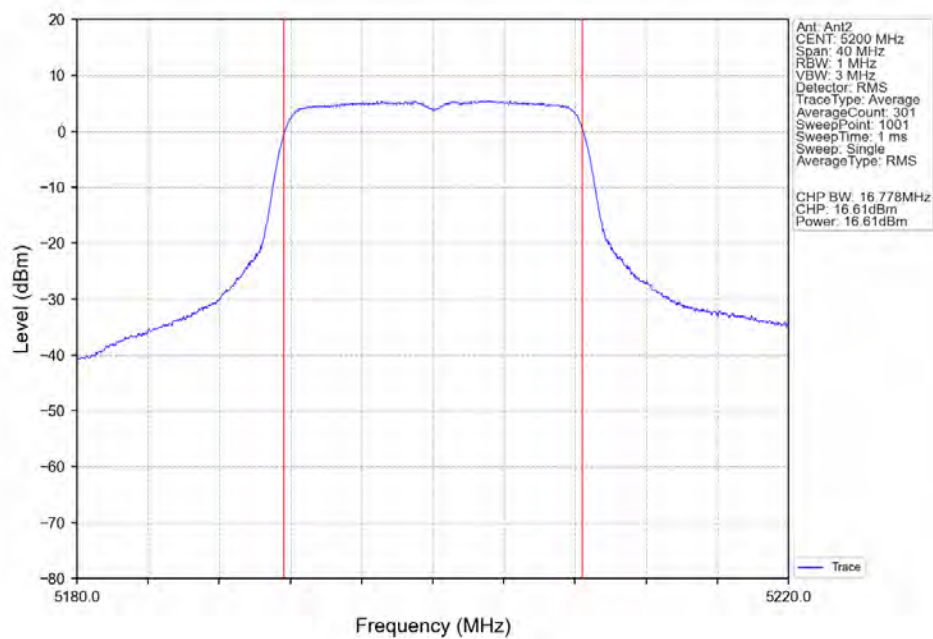
3.2.1 Power



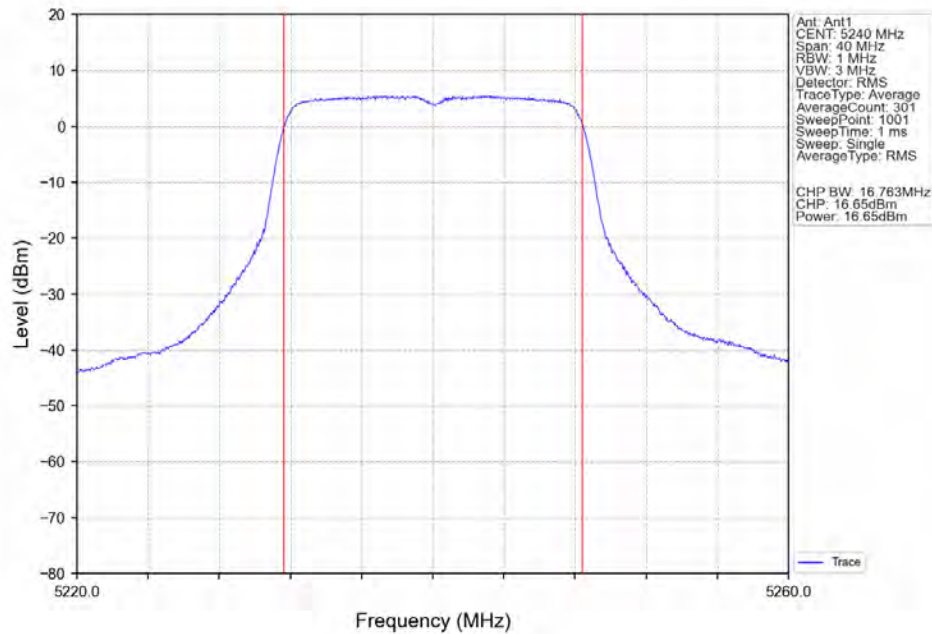
802.11a_MCH_5200MHz_Ant1_NTNV



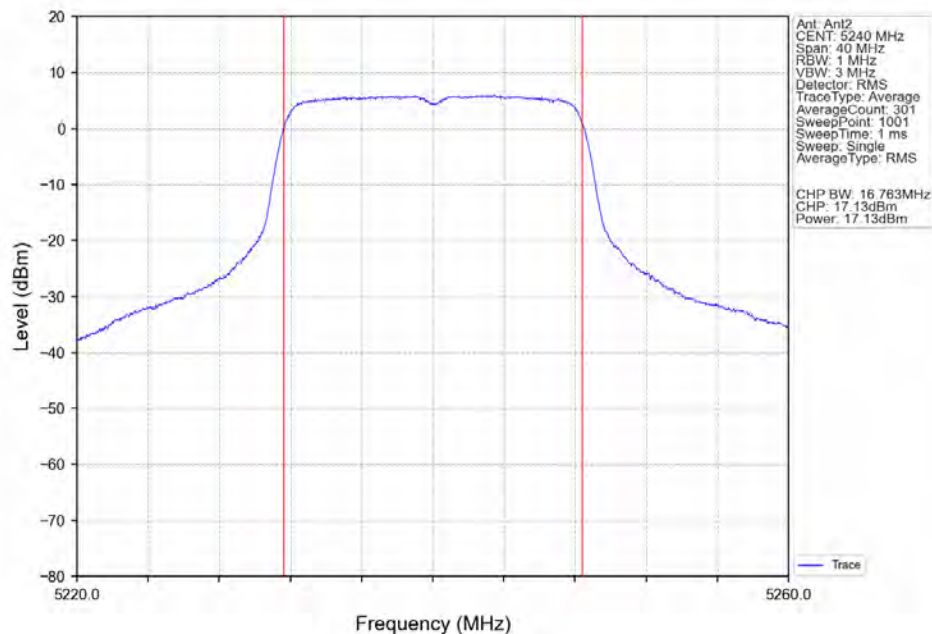
802.11a_MCH_5200MHz_Ant5_NTNV



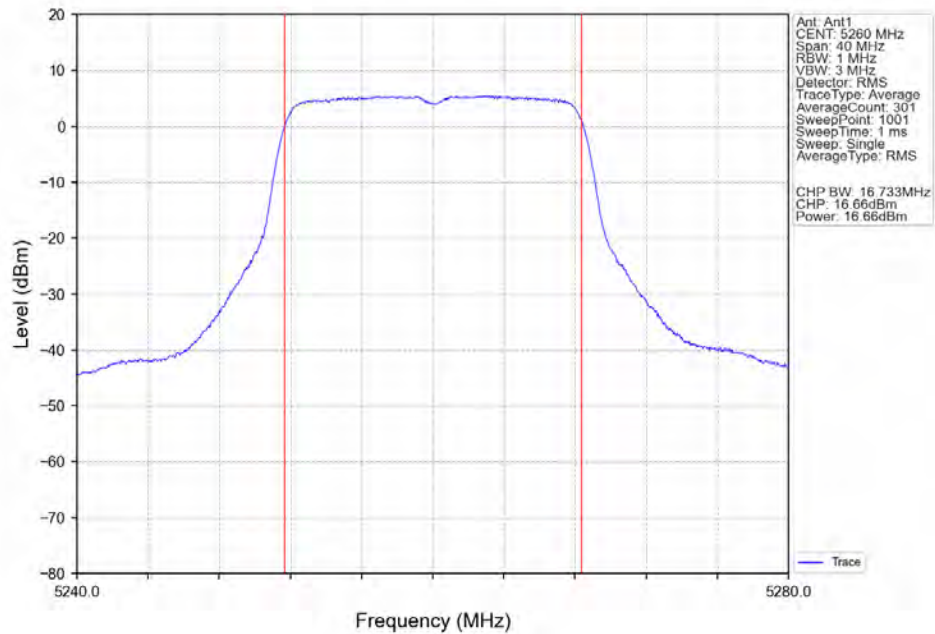
802.11a_HCH_5240MHz_Ant1_NTNV



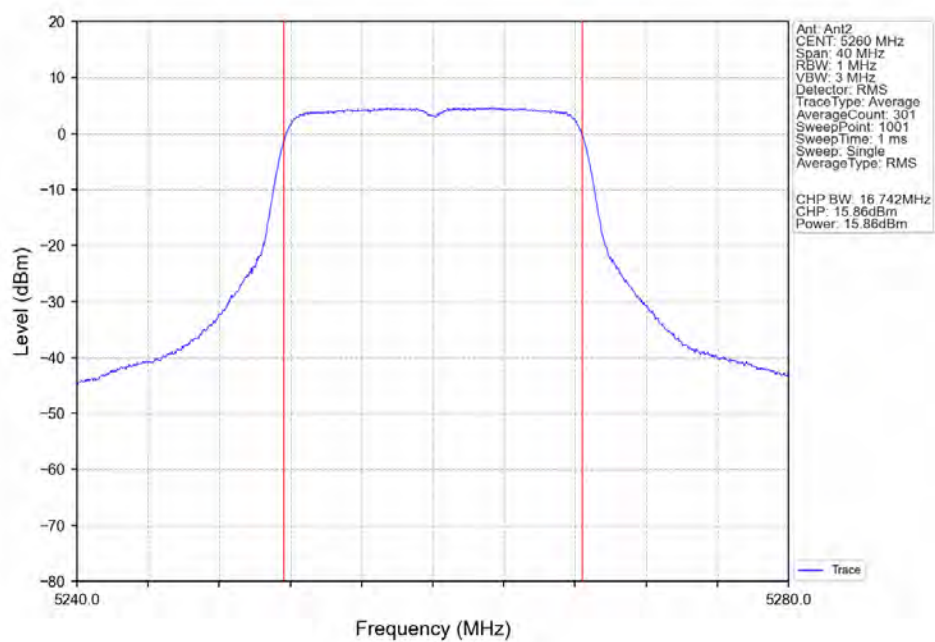
802.11a_HCH_5240MHz_Ant5_NTNV



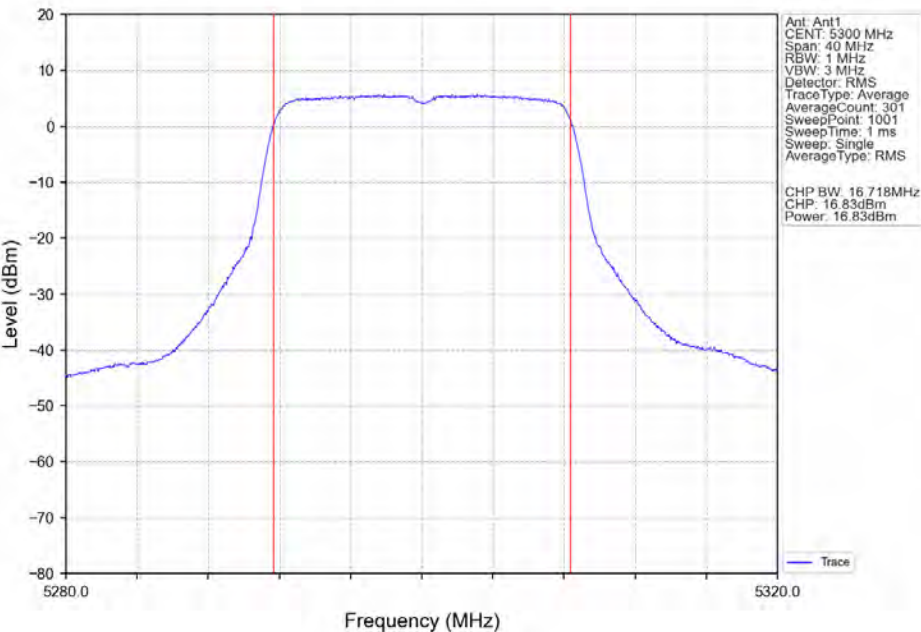
802.11a_LCH_5260MHz_Ant1_NTNV



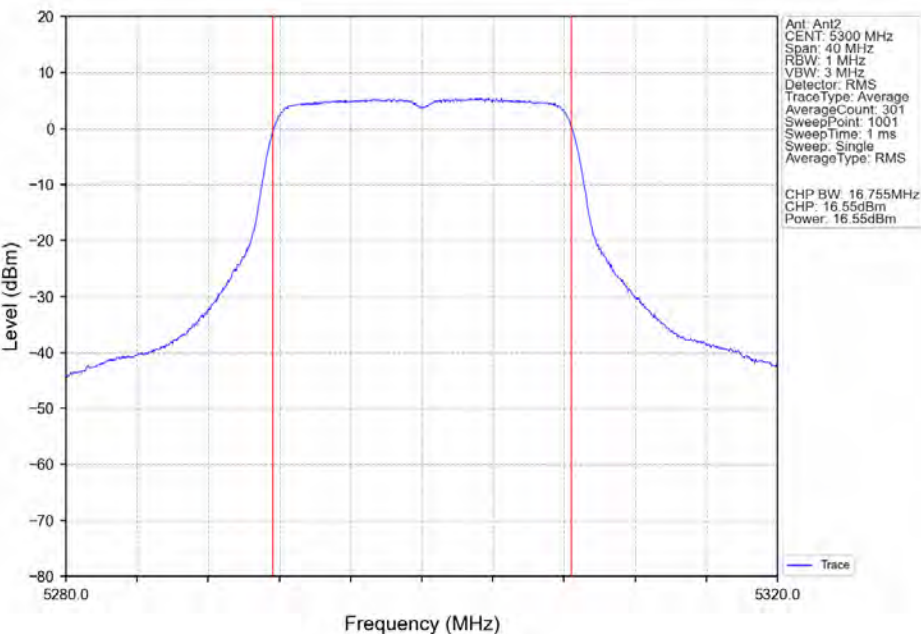
802.11a_LCH_5260MHz_Ant5_NTNV



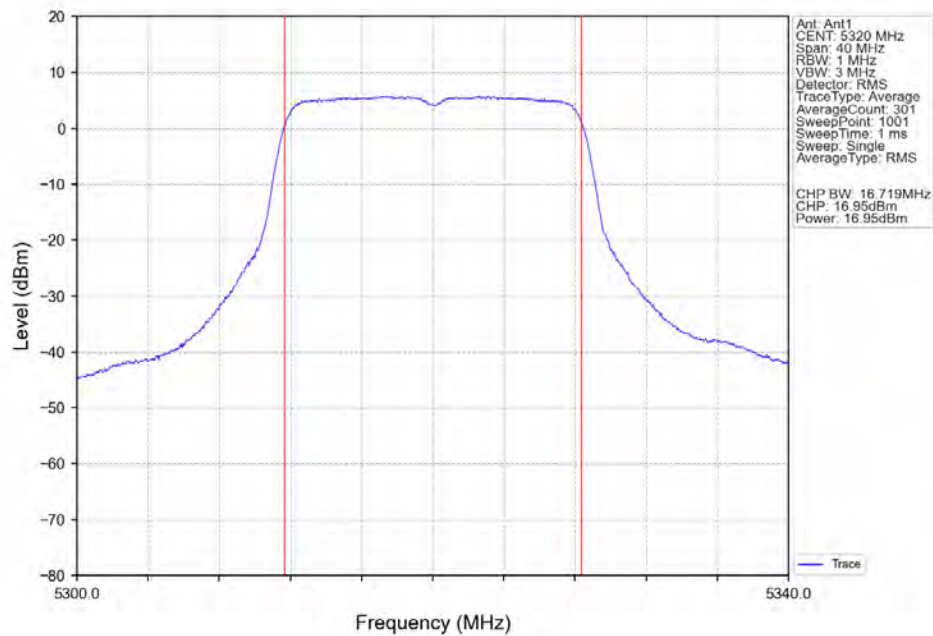
802.11a_MCH_5300MHz_Ant1_NTNV



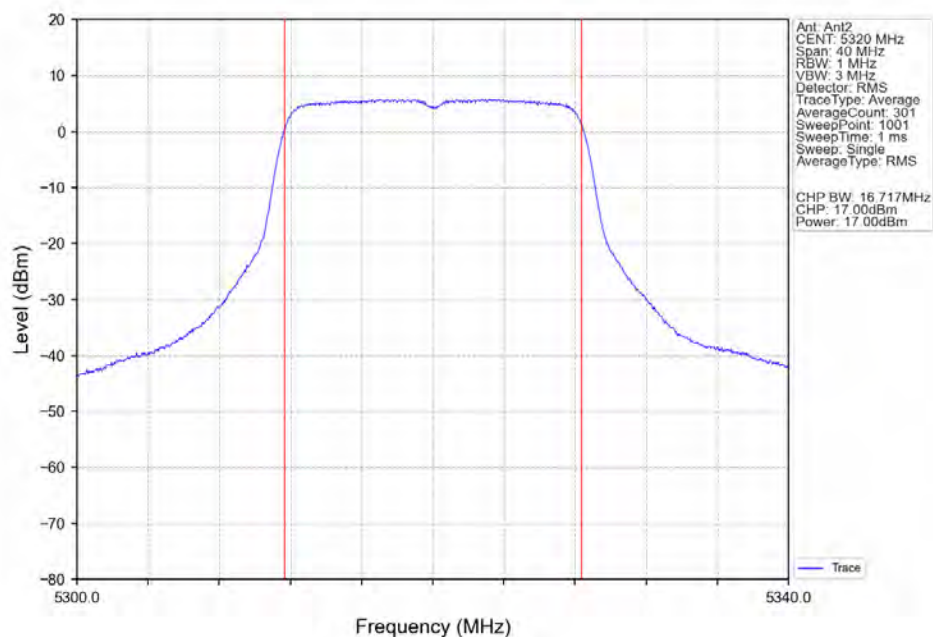
802.11a_MCH_5300MHz_Ant5_NTNV



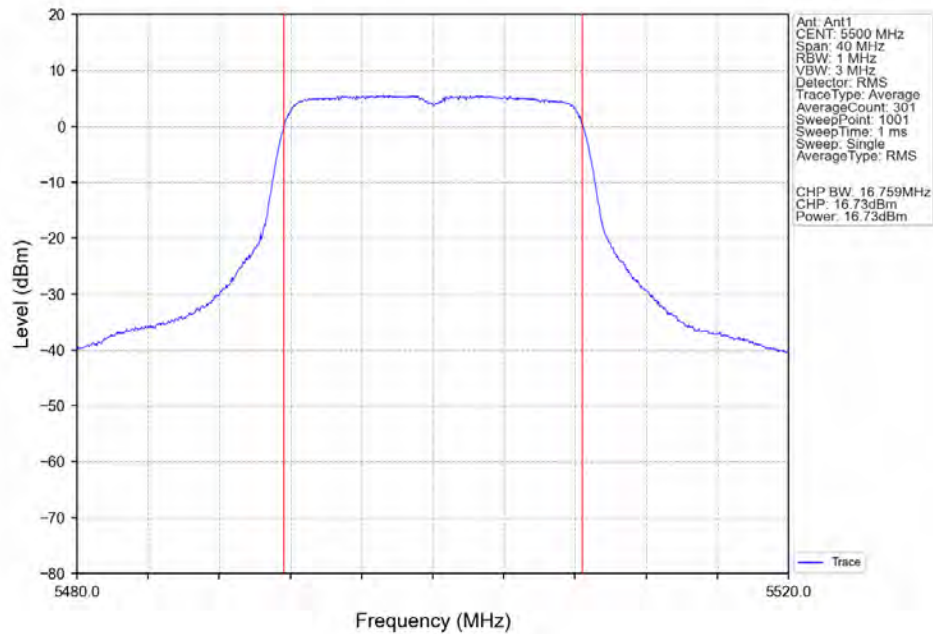
802.11a_HCH_5320MHz_Ant1_NTNV



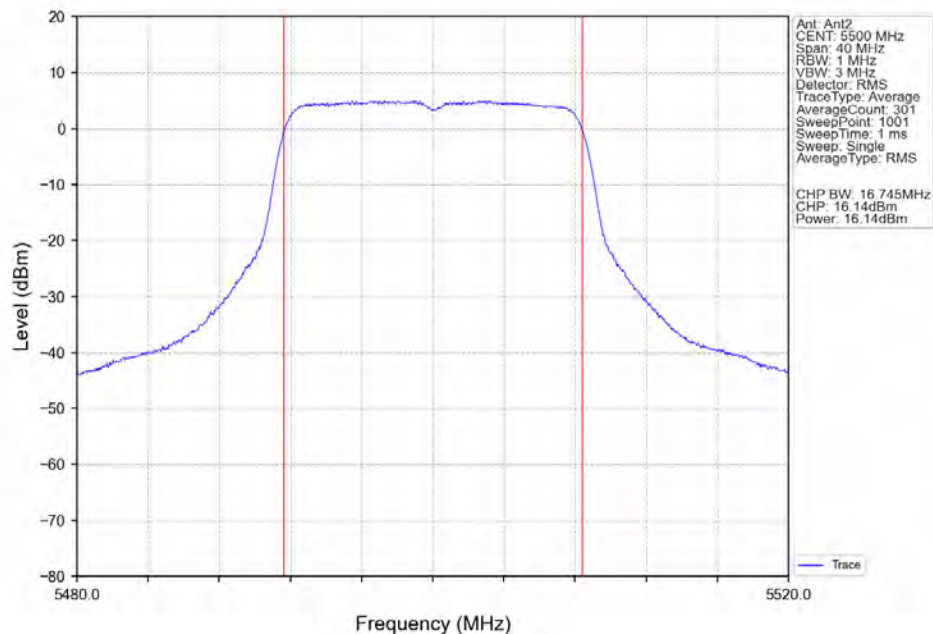
802.11a_HCH_5320MHz_Ant5_NTNV



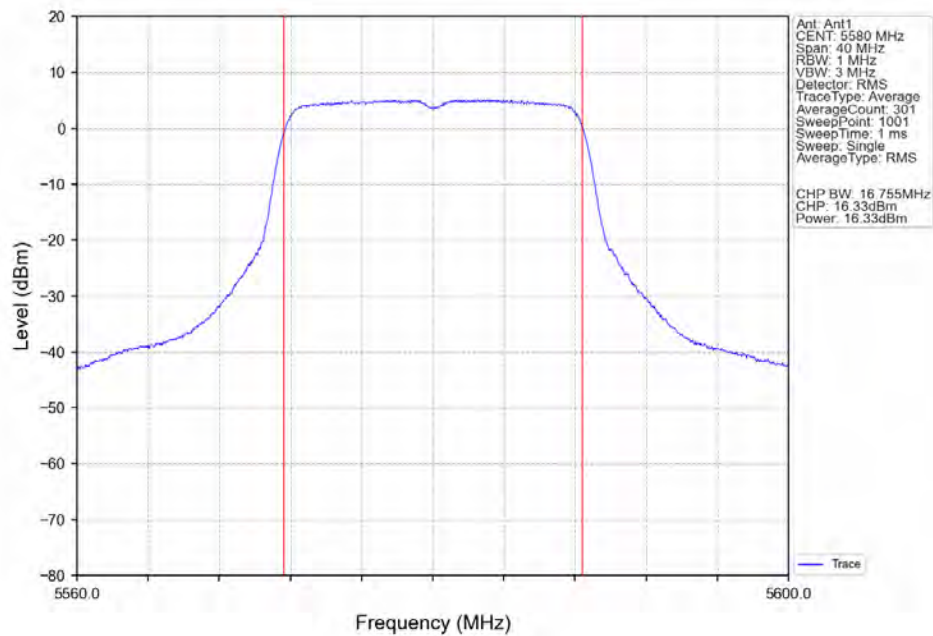
802.11a_LCH_5500MHz_Ant1_NTNV



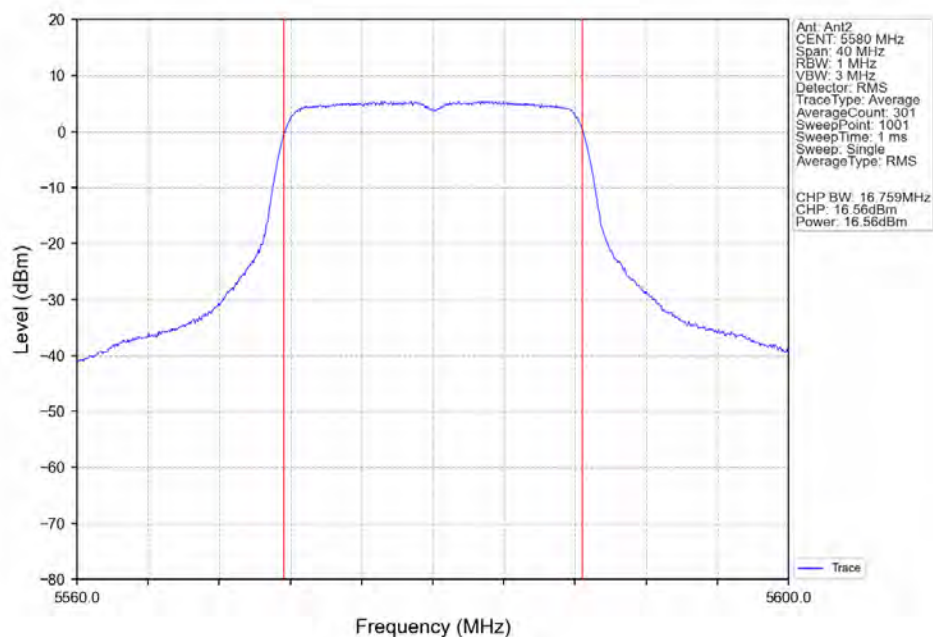
802.11a_LCH_5500MHz_Ant5_NTNV



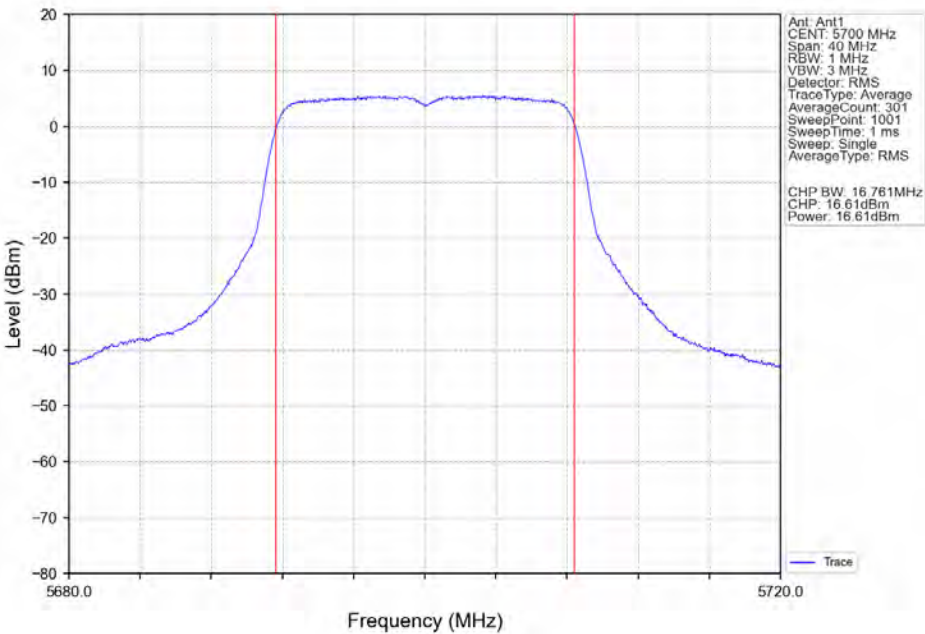
802.11a_MCH_5580MHz_Ant1_NTNV



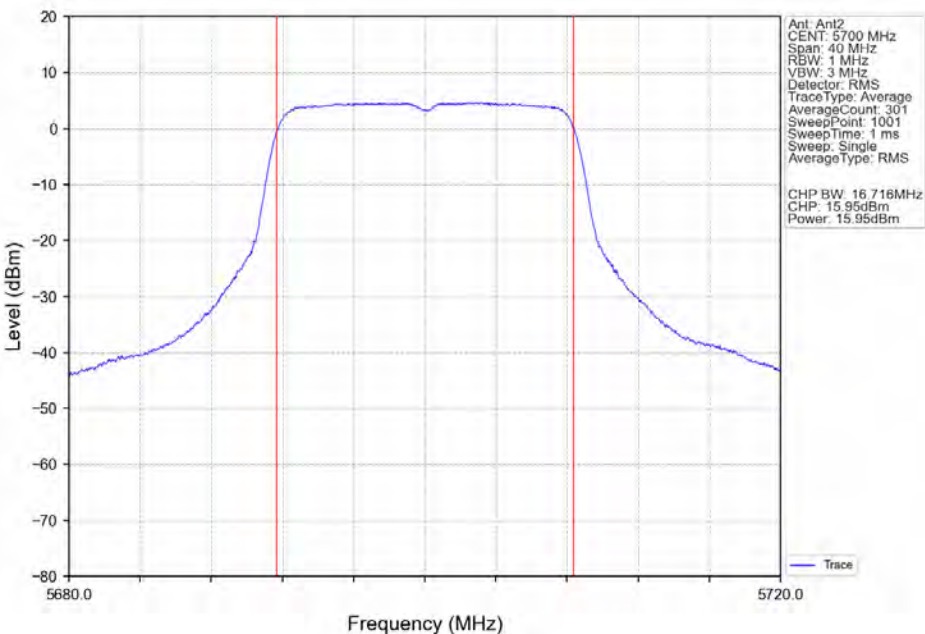
802.11a_MCH_5580MHz_Ant5_NTNV



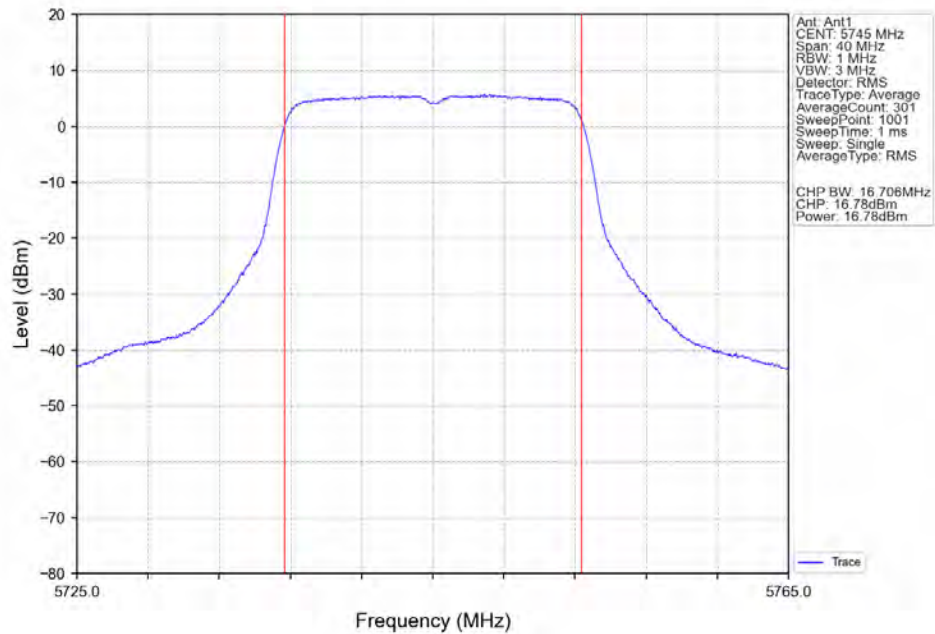
802.11a_HCH_5700MHz_Ant1_NTNV



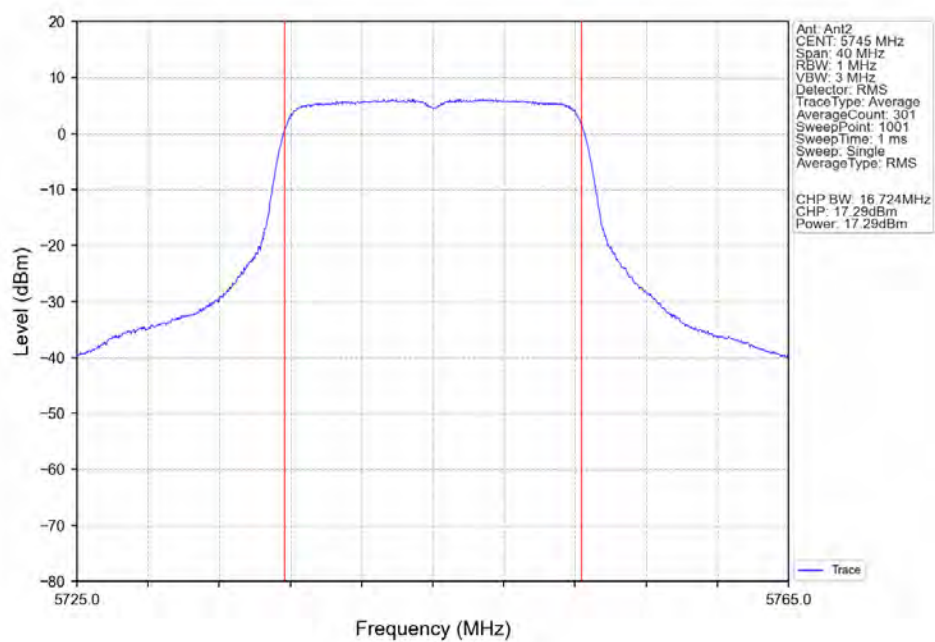
802.11a_HCH_5700MHz_Ant5_NTNV



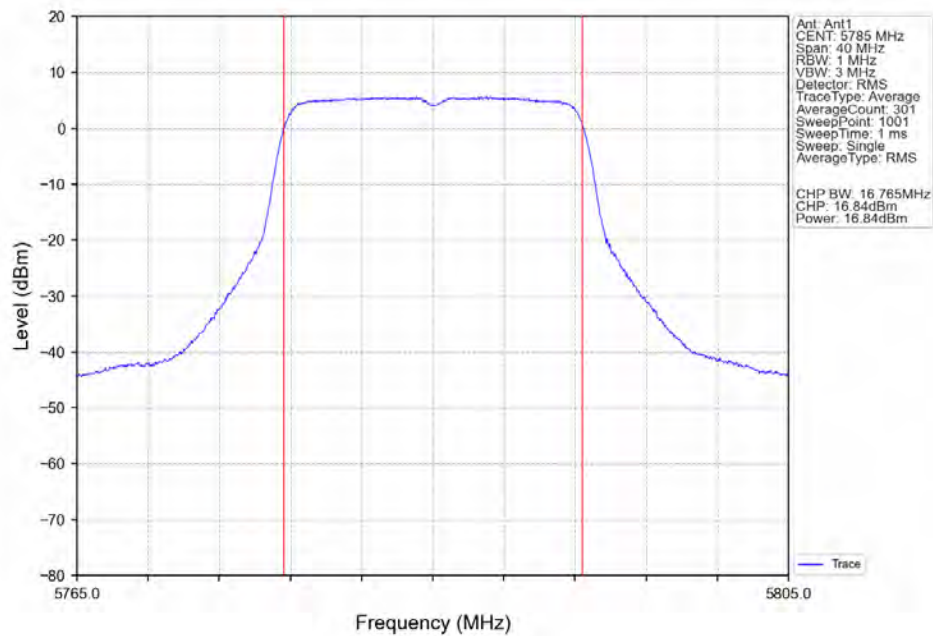
802.11a_LCH_5745MHz_Ant1_NTNV



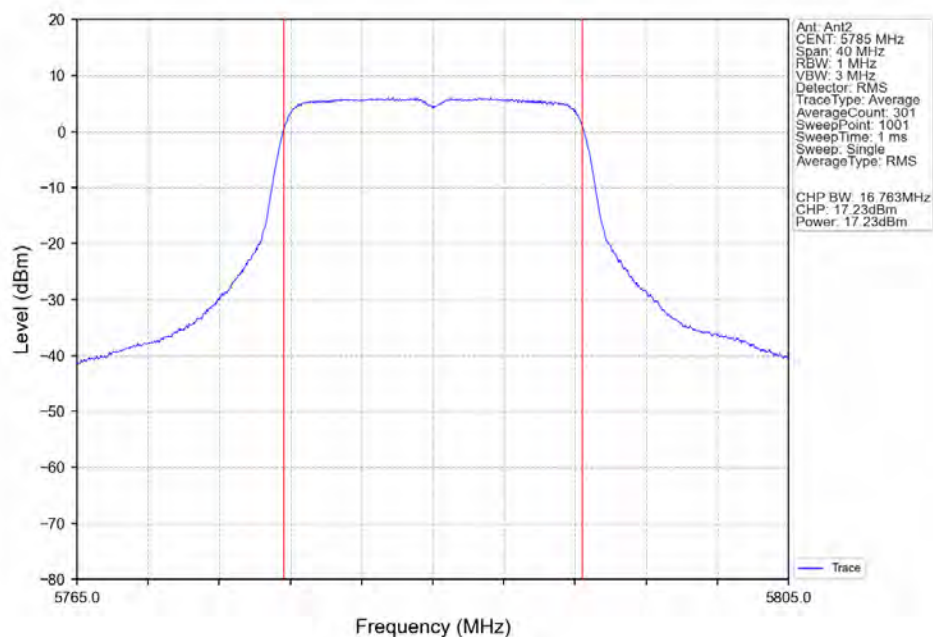
802.11a_LCH_5745MHz_Ant5_NTNV



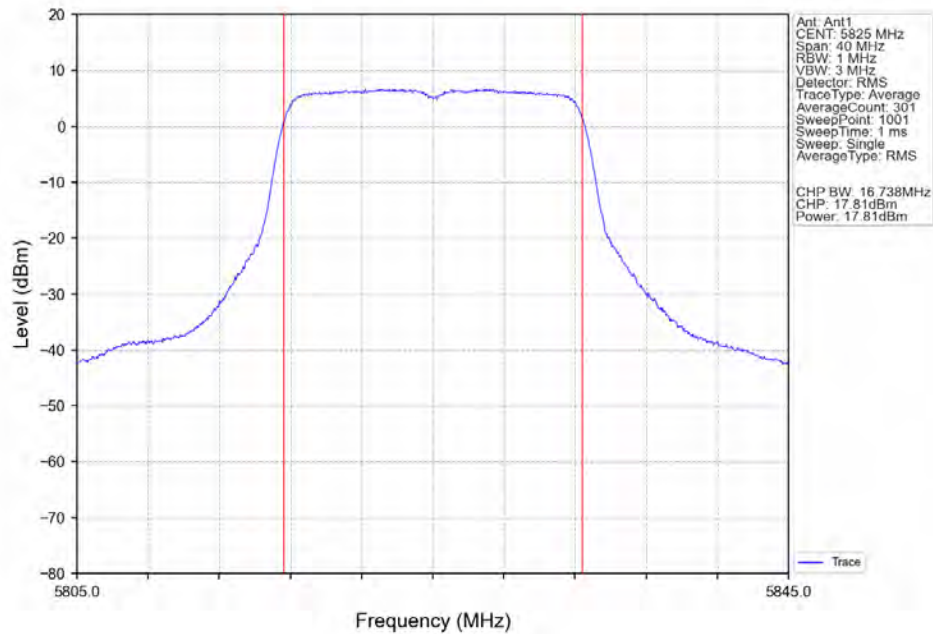
802.11a_MCH_5785MHz_Ant1_NTNV



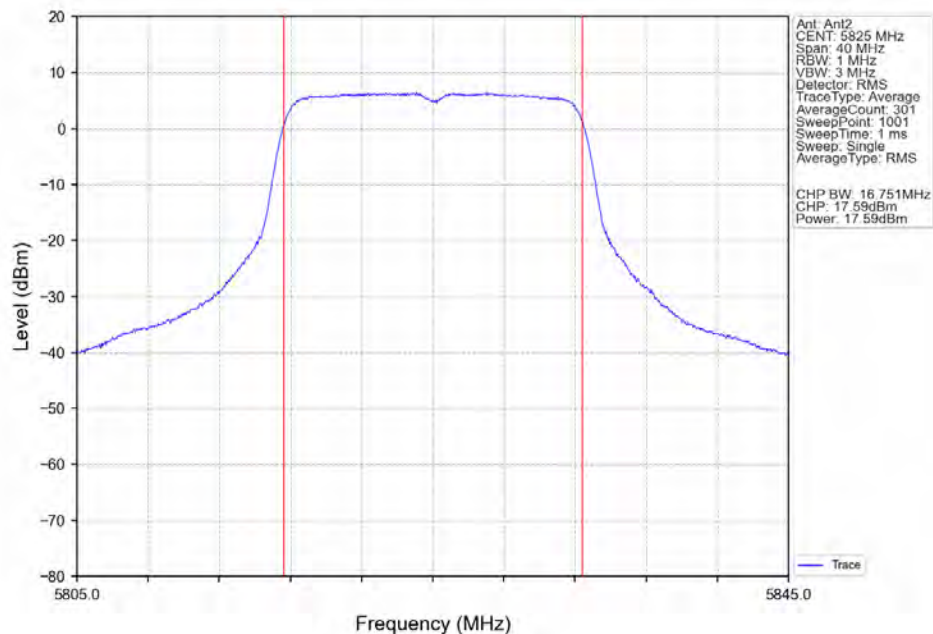
802.11a_MCH_5785MHz_Ant5_NTNV



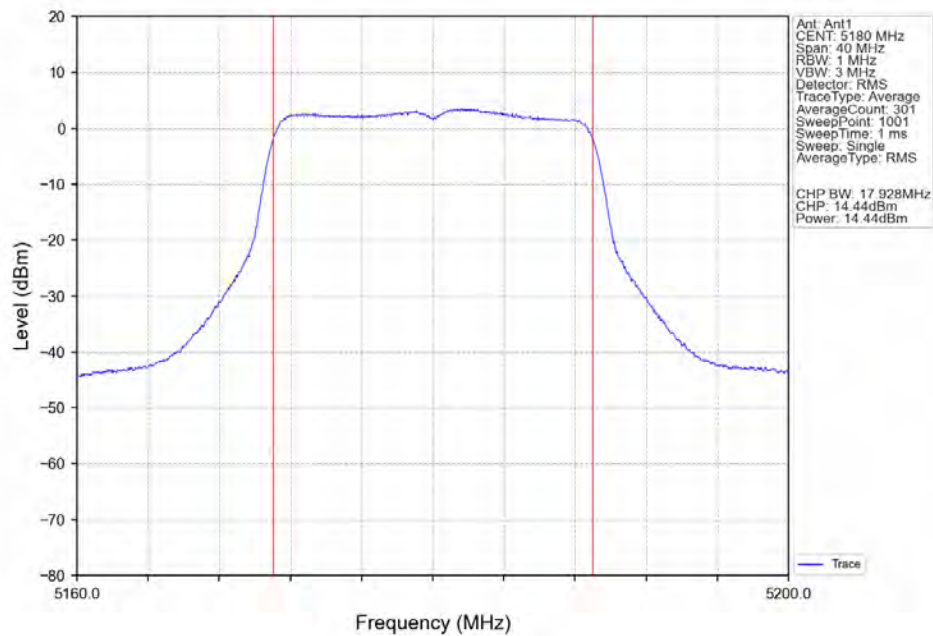
802.11a_HCH_5825MHz_Ant1_NTNV



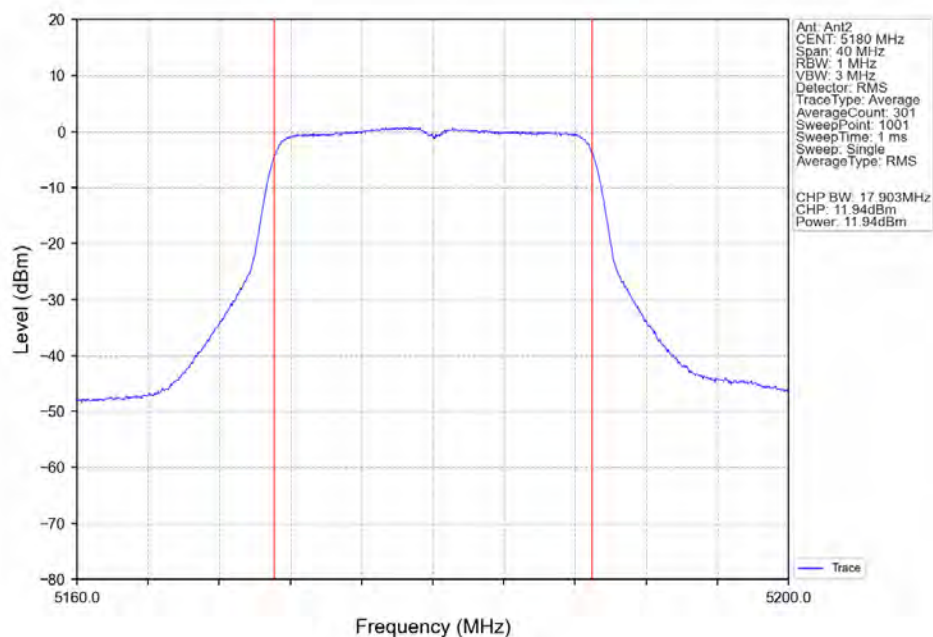
802.11a_HCH_5825MHz_Ant5_NTNV



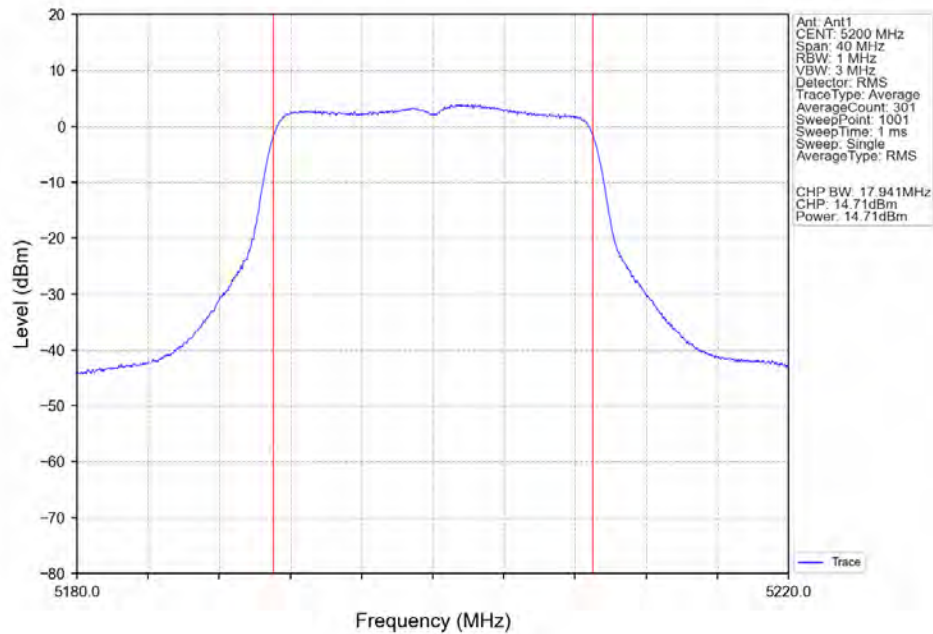
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



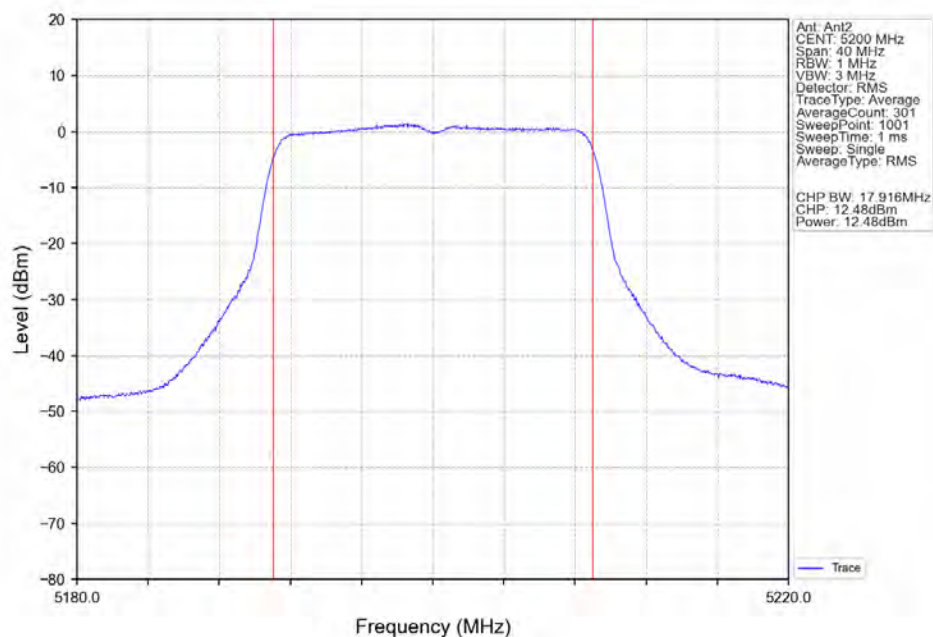
802.11n(HT20)_LCH_5180MHz_Ant5_NTNV



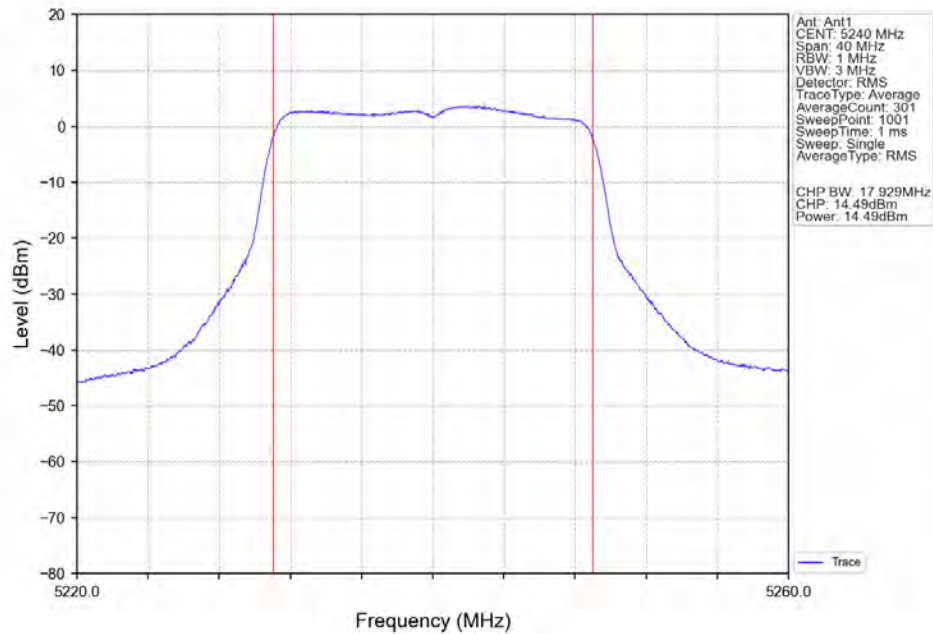
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



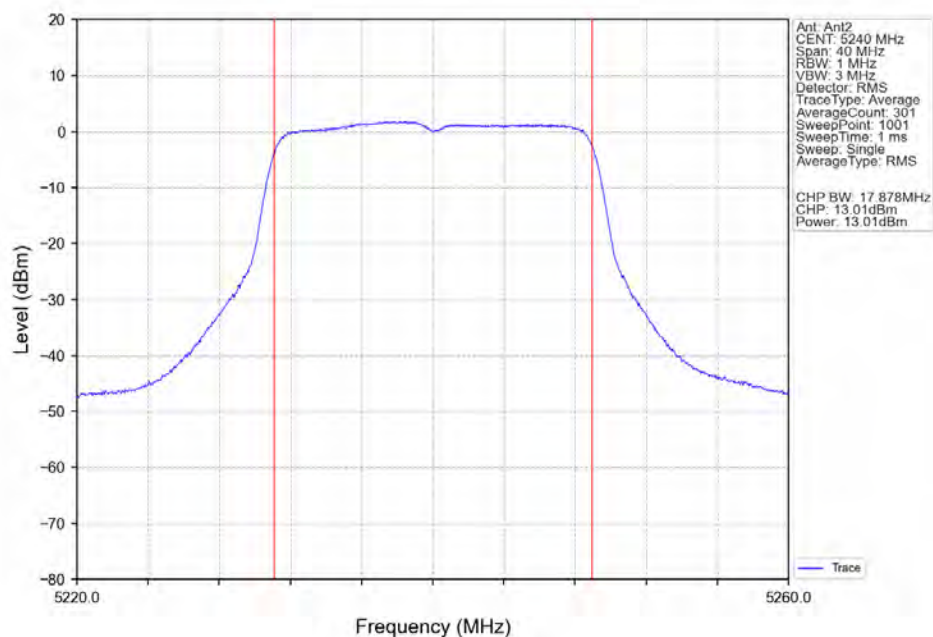
802.11n(HT20)_MCH_5200MHz_Ant5_NTNV



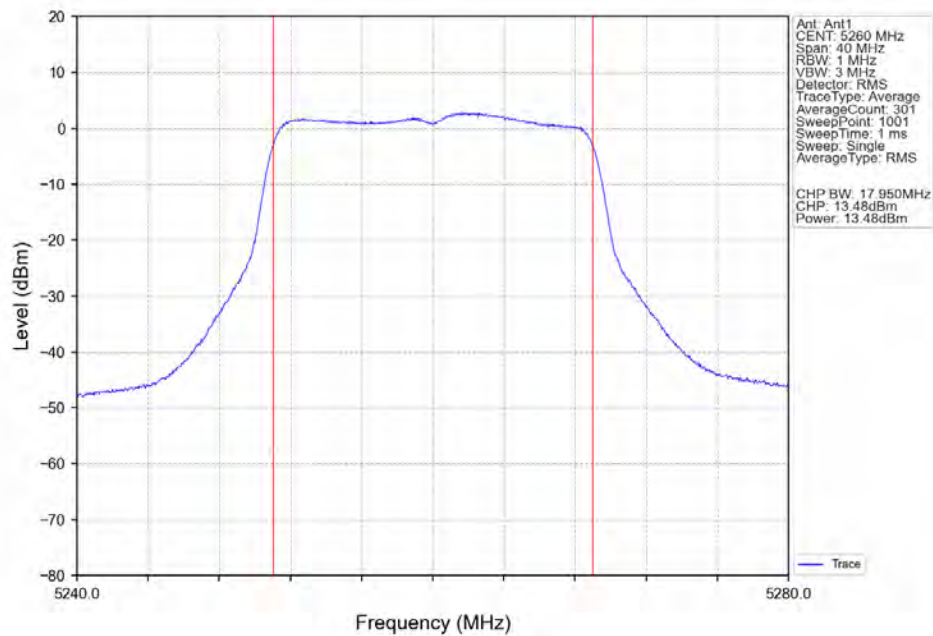
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



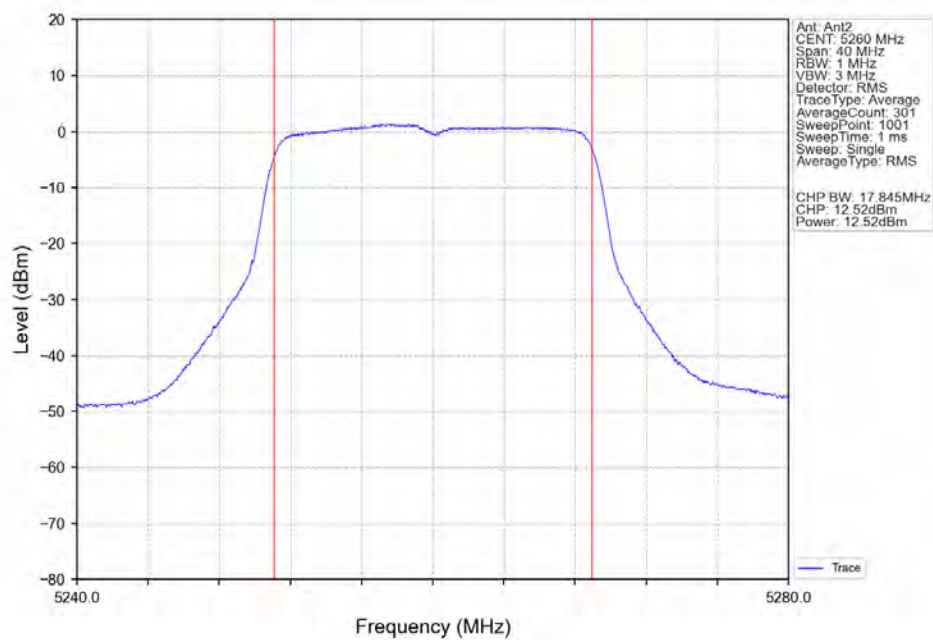
802.11n(HT20)_HCH_5240MHz_Ant5_NTNV



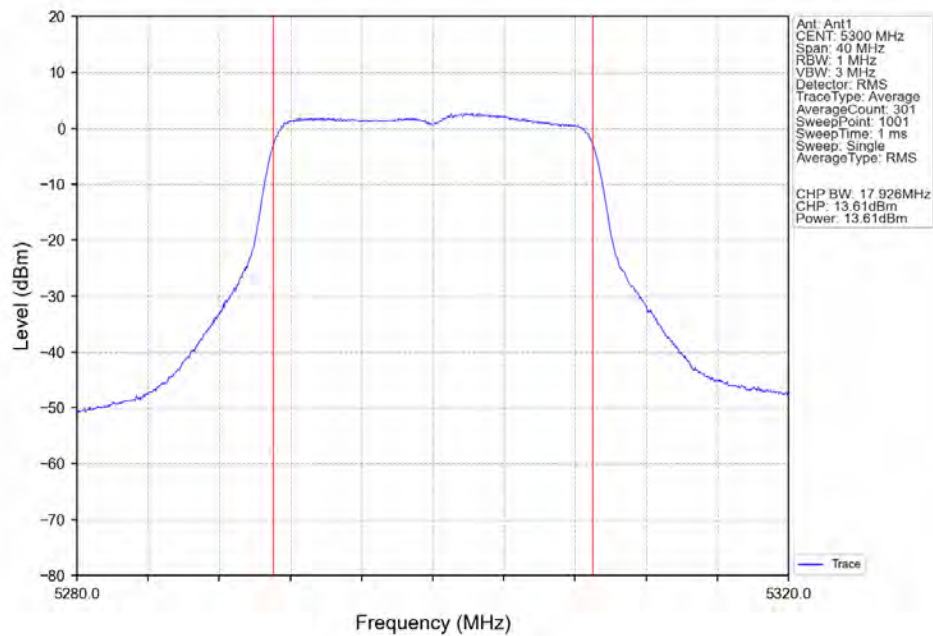
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



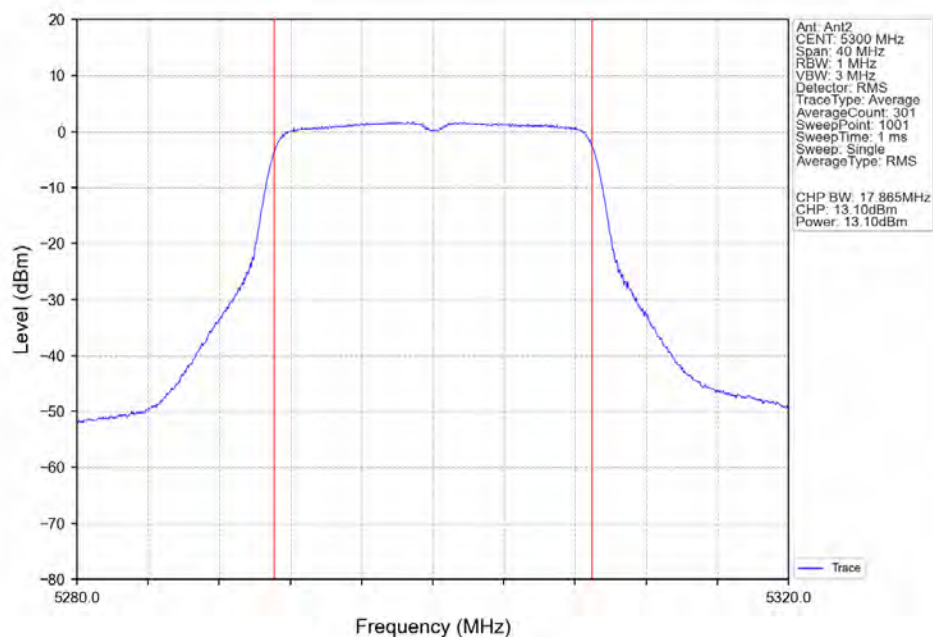
802.11n(HT20)_LCH_5260MHz_Ant5_NTNV



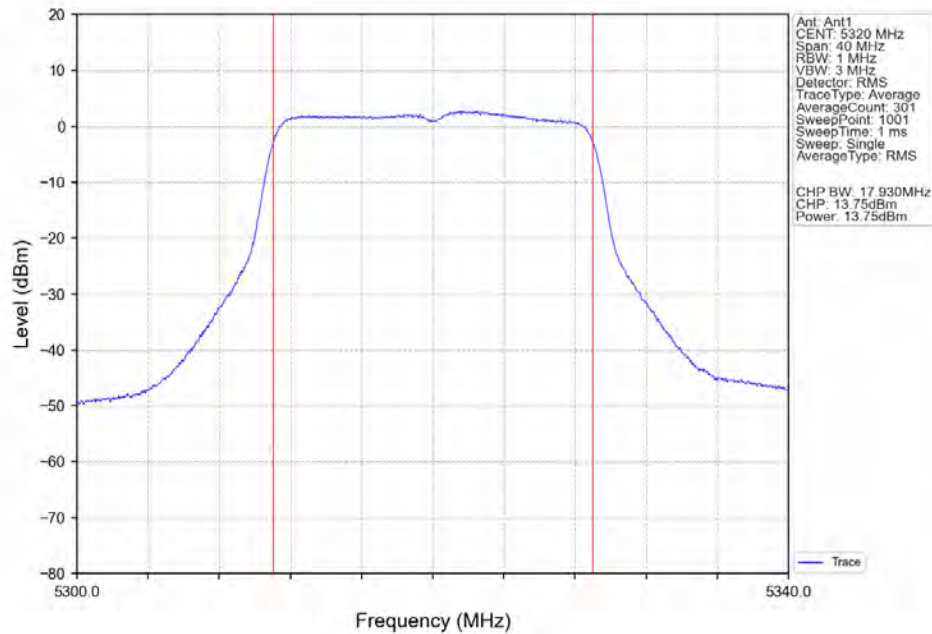
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



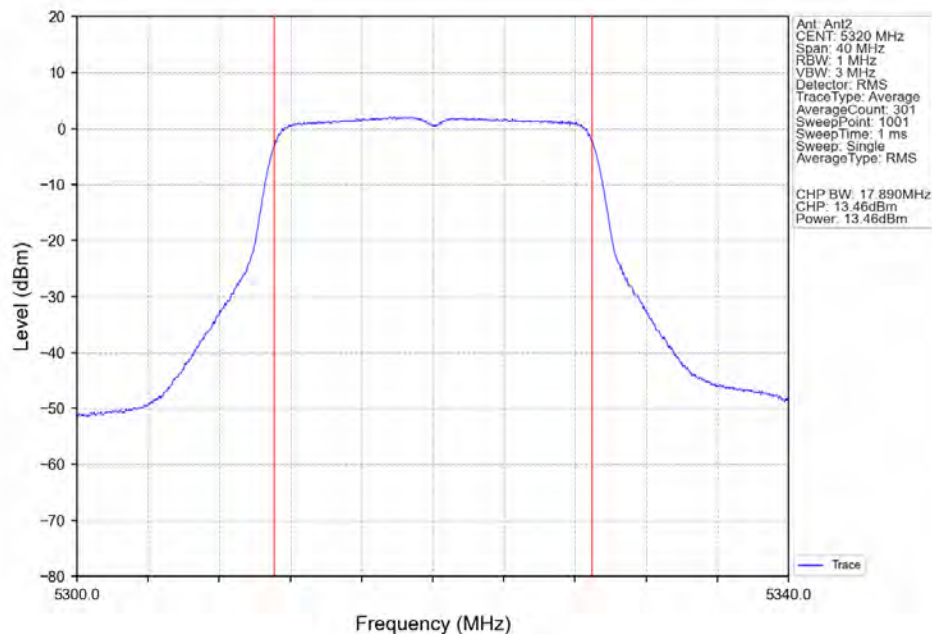
802.11n(HT20)_MCH_5300MHz_Ant5_NTNV



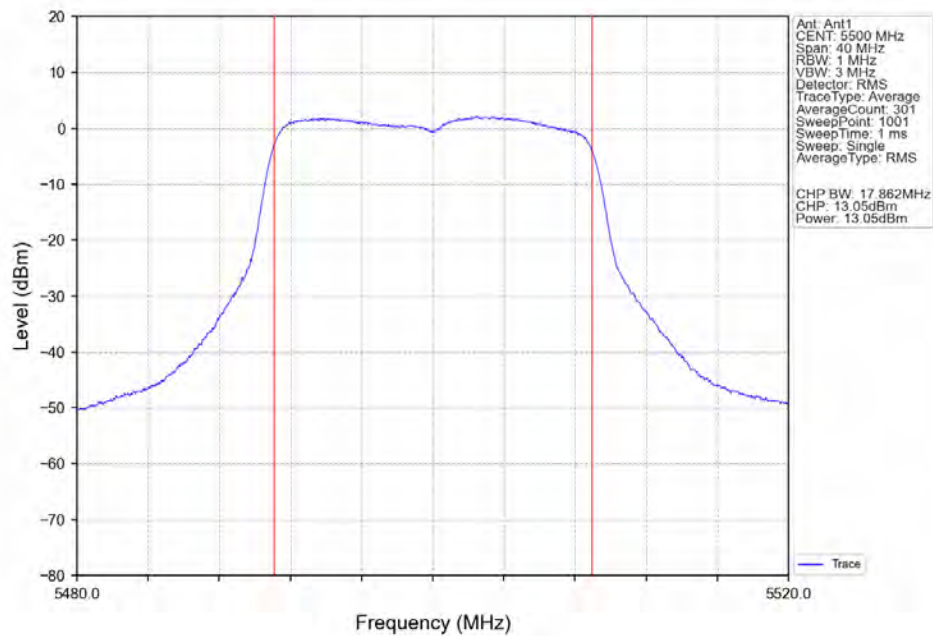
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



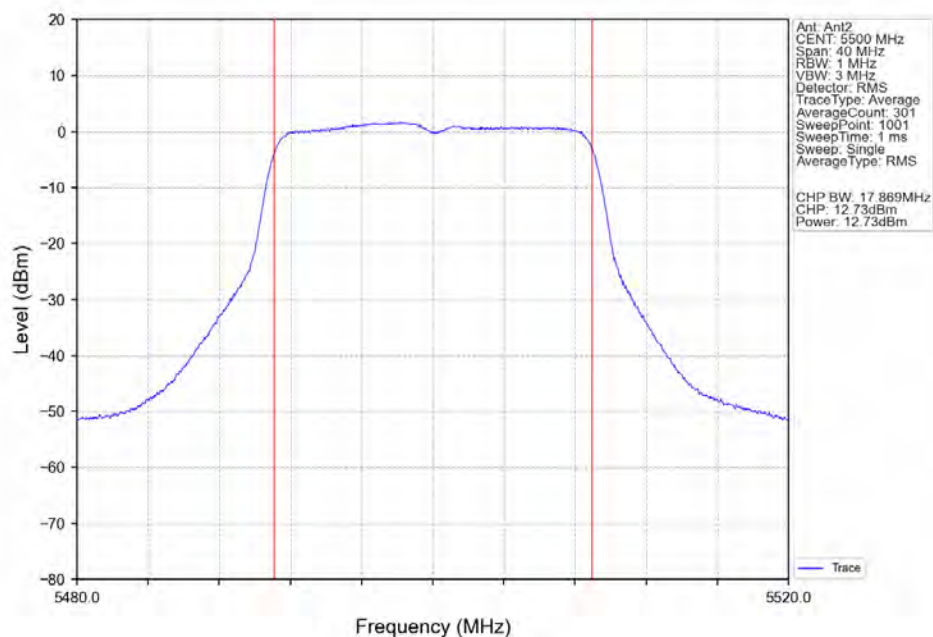
802.11n(HT20)_HCH_5320MHz_Ant5_NTNV



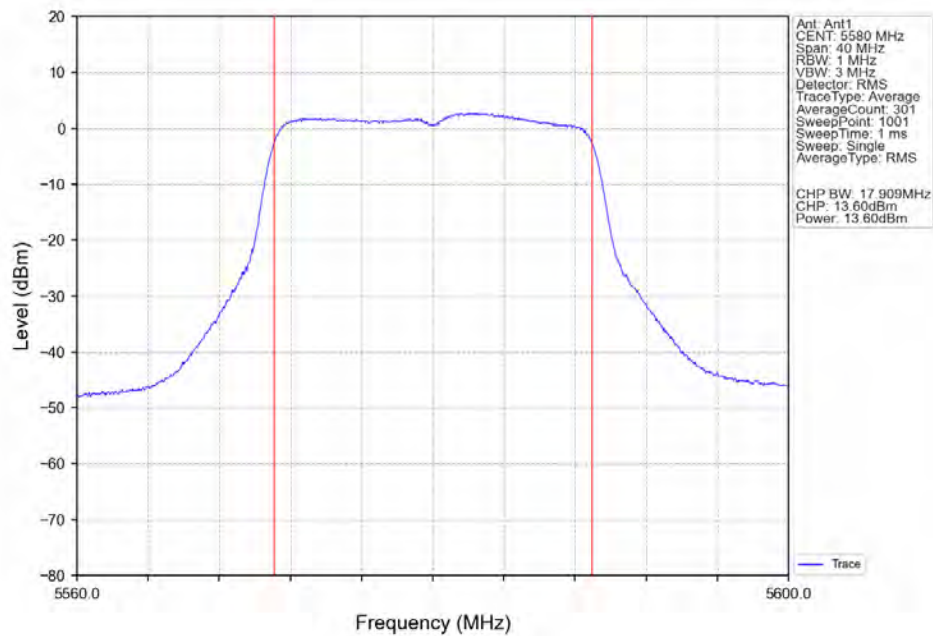
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



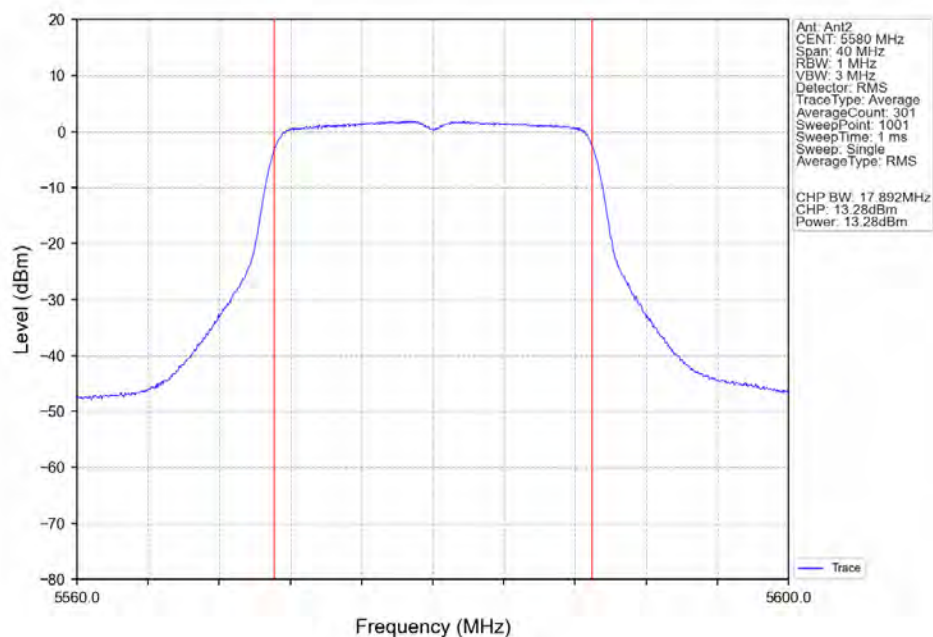
802.11n(HT20)_LCH_5500MHz_Ant5_NTNV



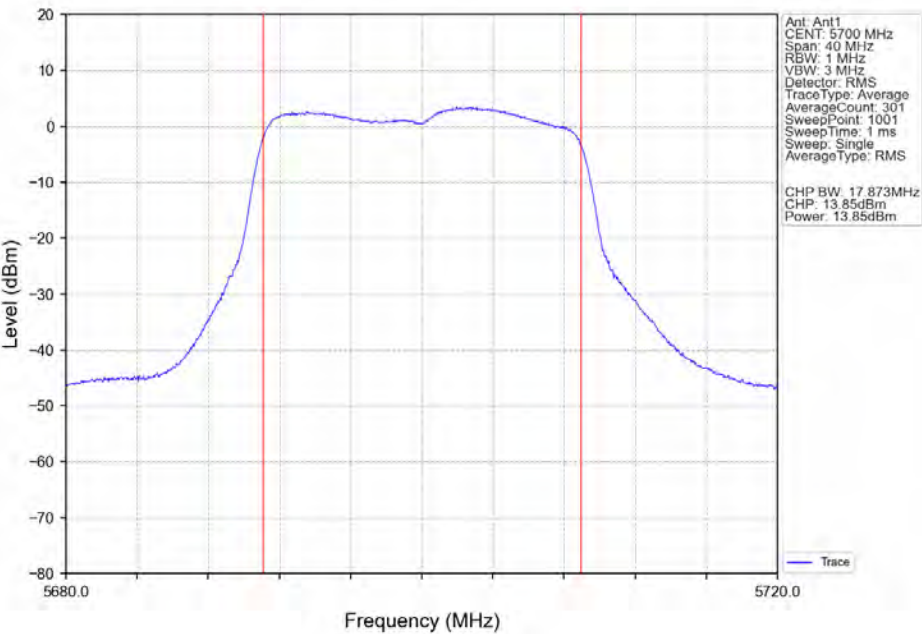
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



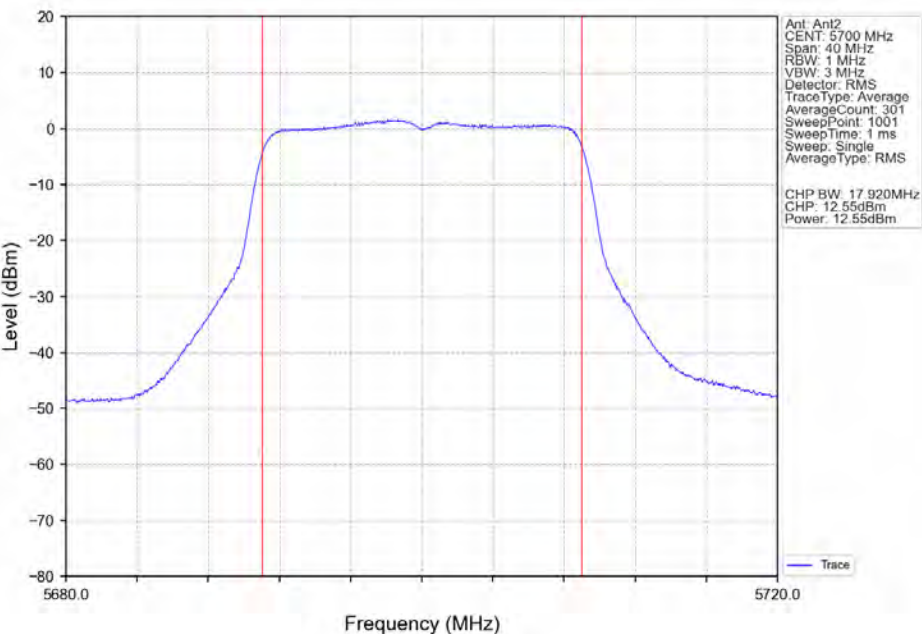
802.11n(HT20)_MCH_5580MHz_Ant5_NTNV



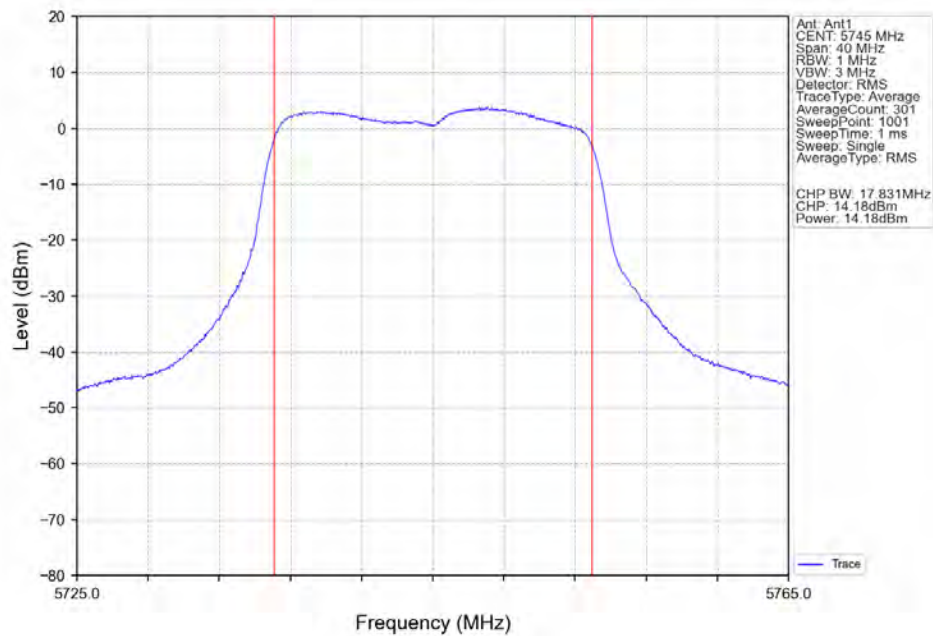
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



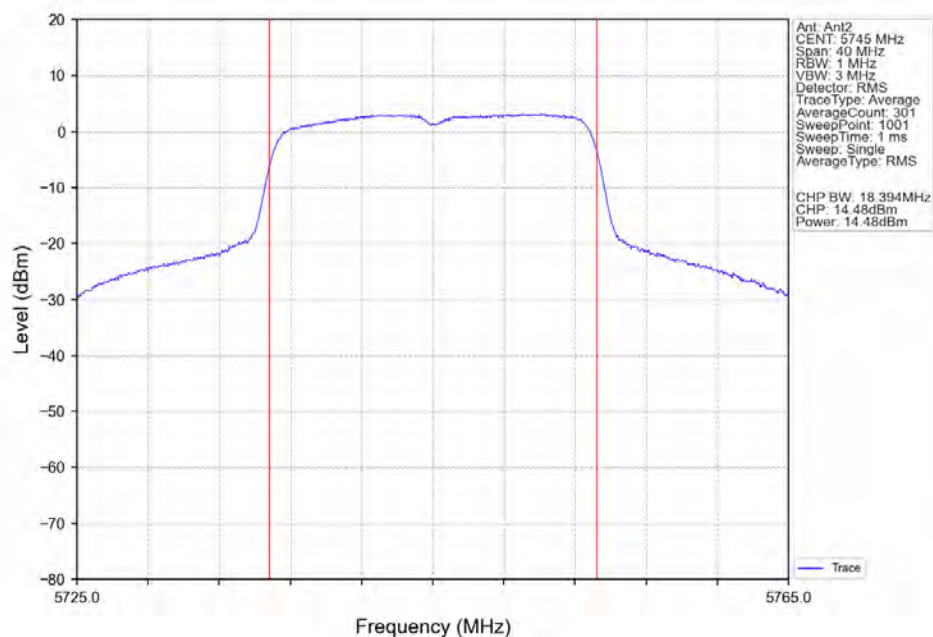
802.11n(HT20)_HCH_5700MHz_Ant5_NTNV



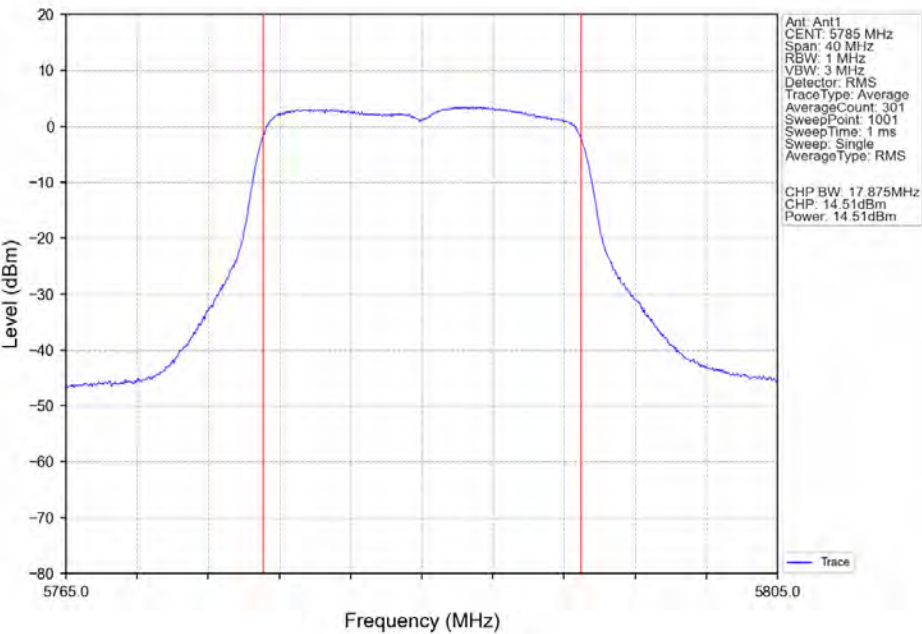
802.11n(HT20)_LCH_5745MHz_Ant1_NTNV



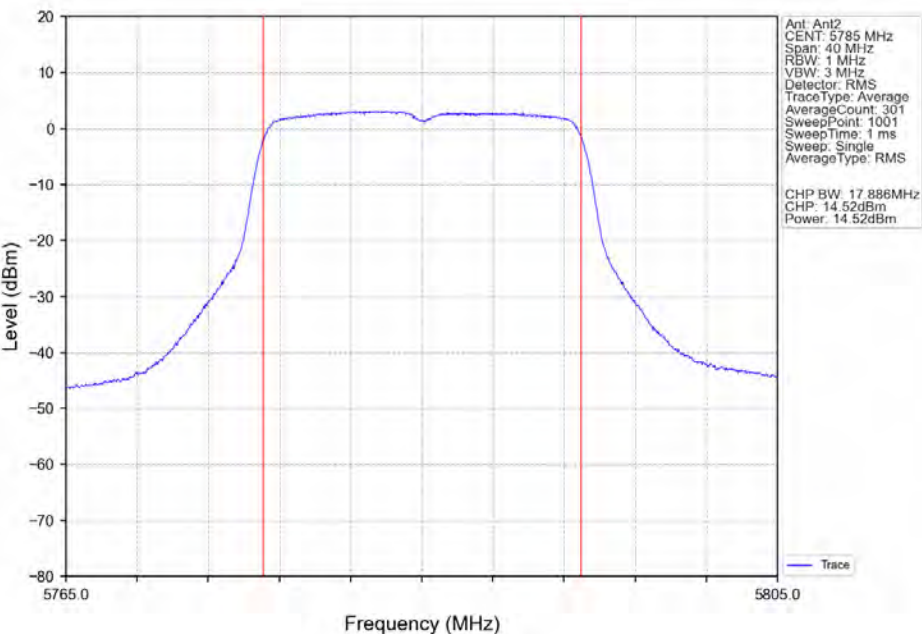
802.11n(HT20)_LCH_5745MHz_Ant5_NTNV



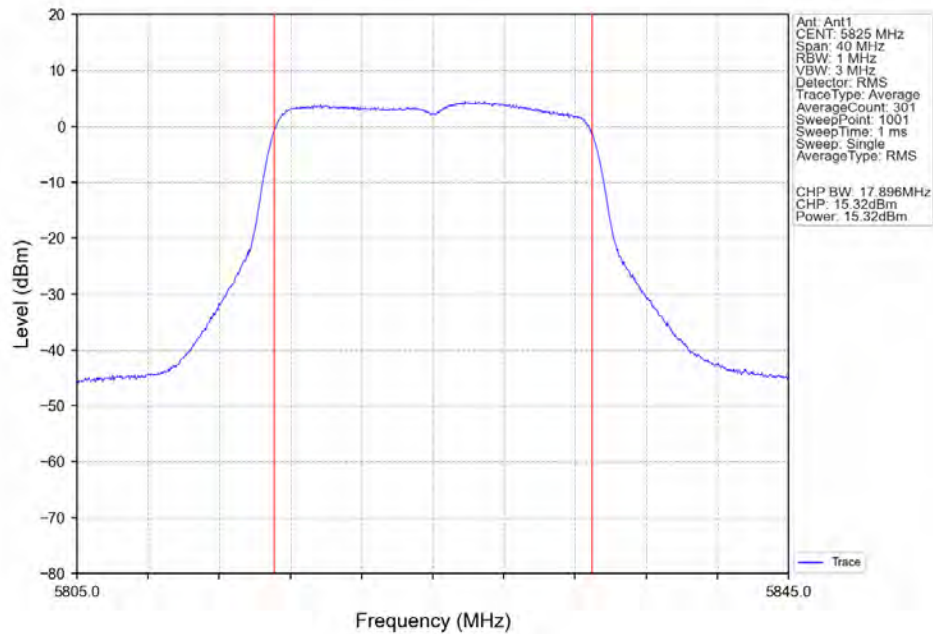
802.11n(HT20)_MCH_5785MHz_Ant1_NTNV



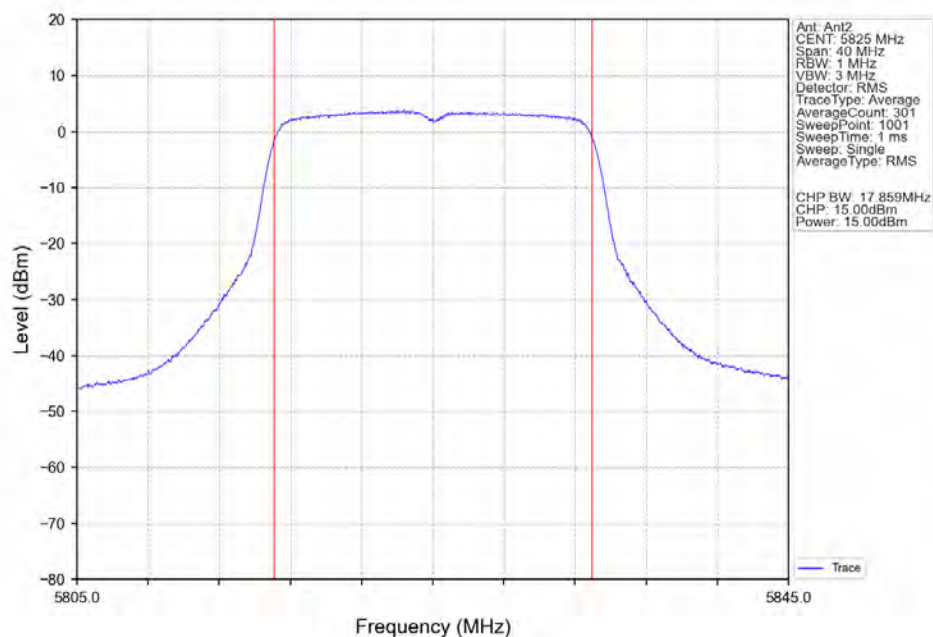
802.11n(HT20)_MCH_5785MHz_Ant5_NTNV



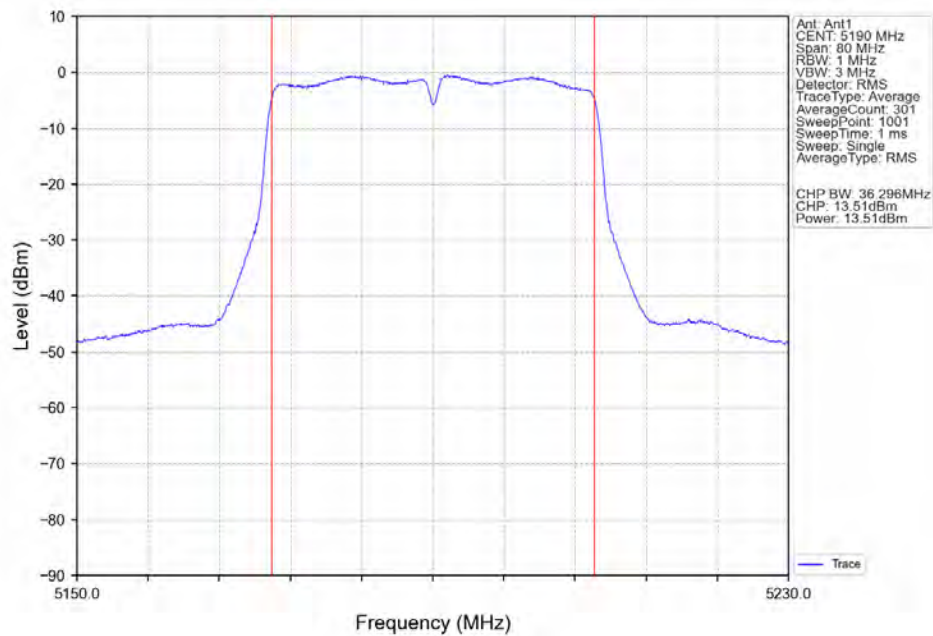
802.11n(HT20)_HCH_5825MHz_Ant1_NTNV



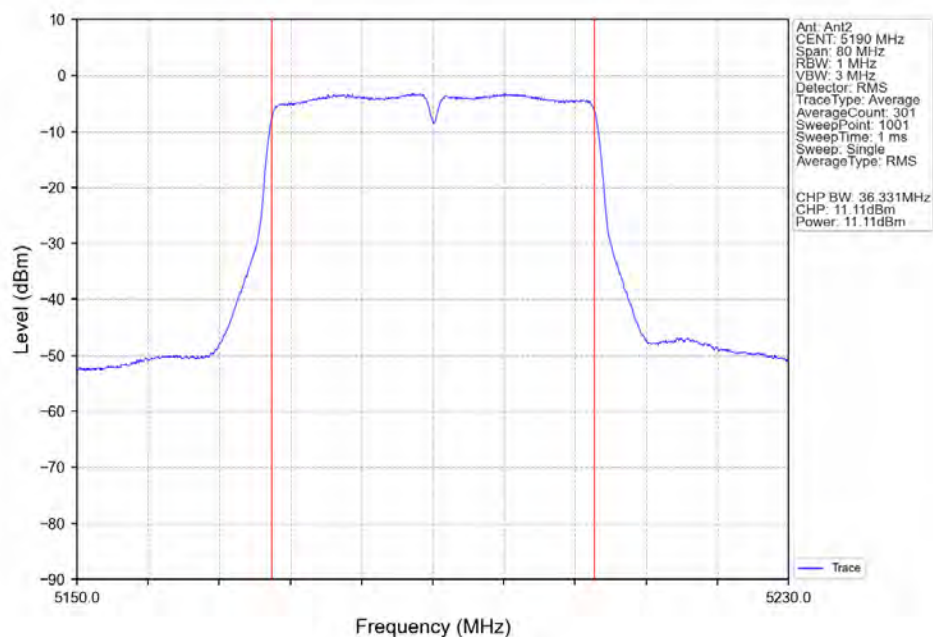
802.11n(HT20)_HCH_5825MHz_Ant5_NTNV



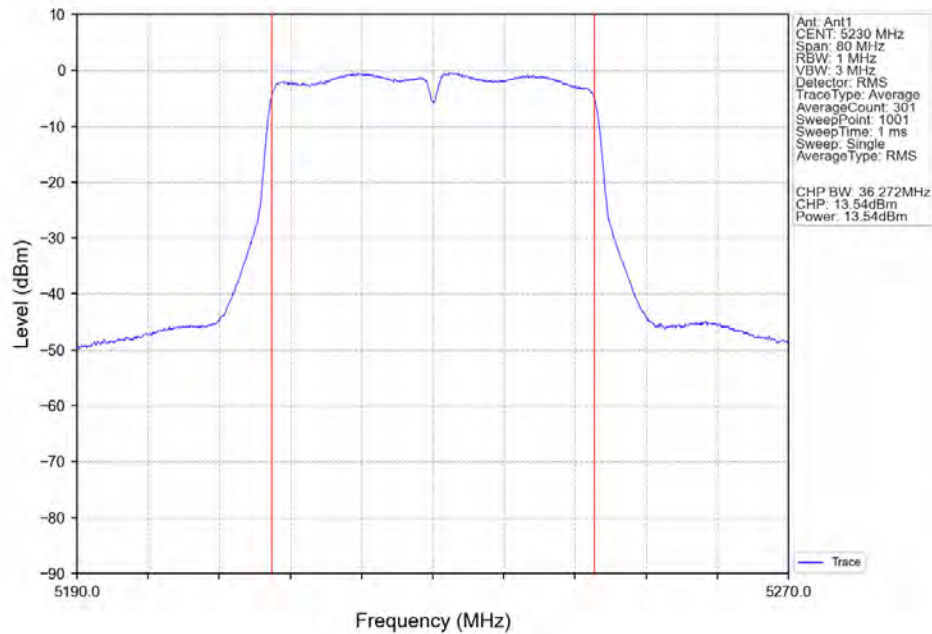
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



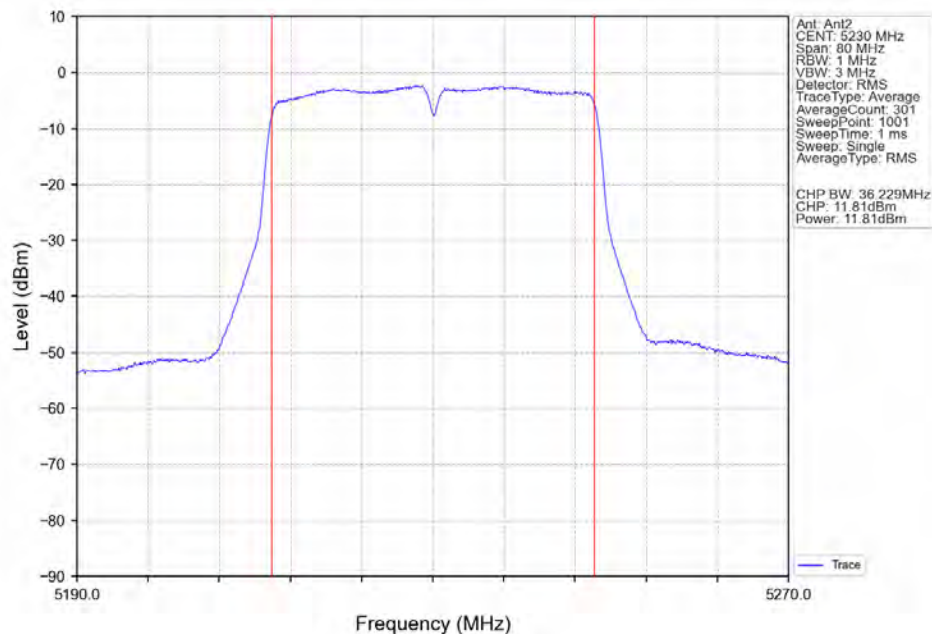
802.11n(HT40)_LCH_5190MHz_Ant5_NTNV



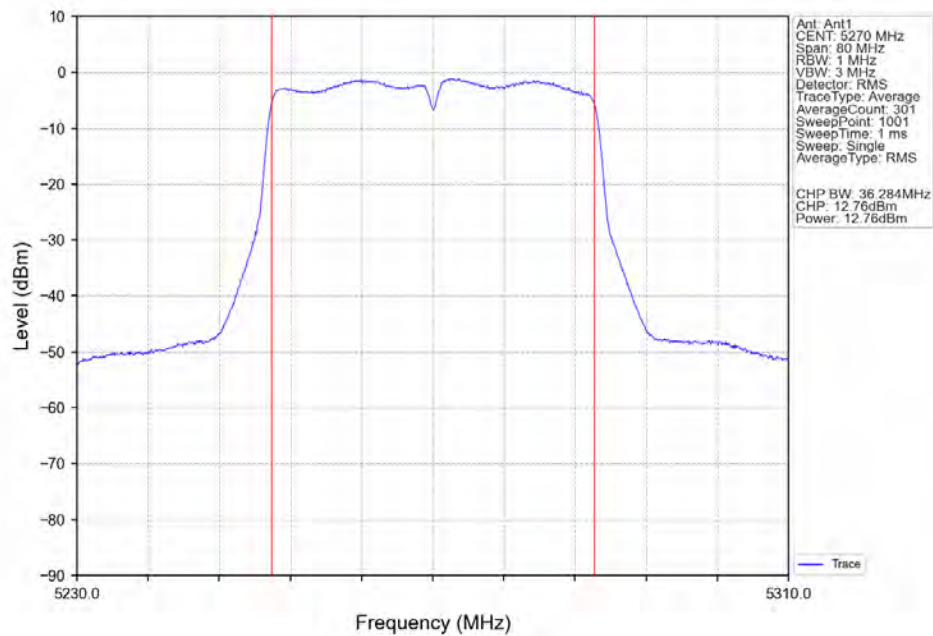
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



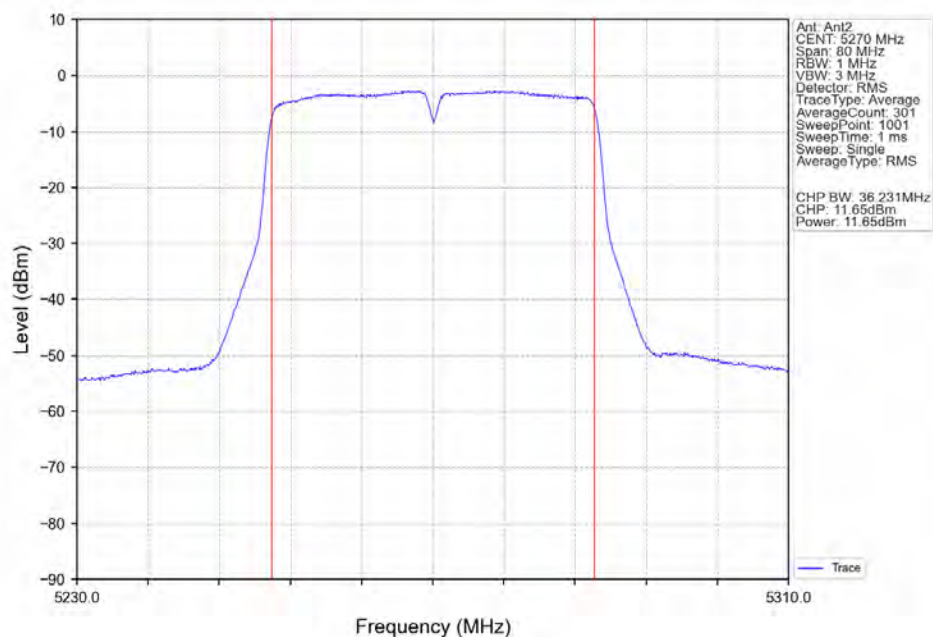
802.11n(HT40)_HCH_5230MHz_Ant5_NTNV



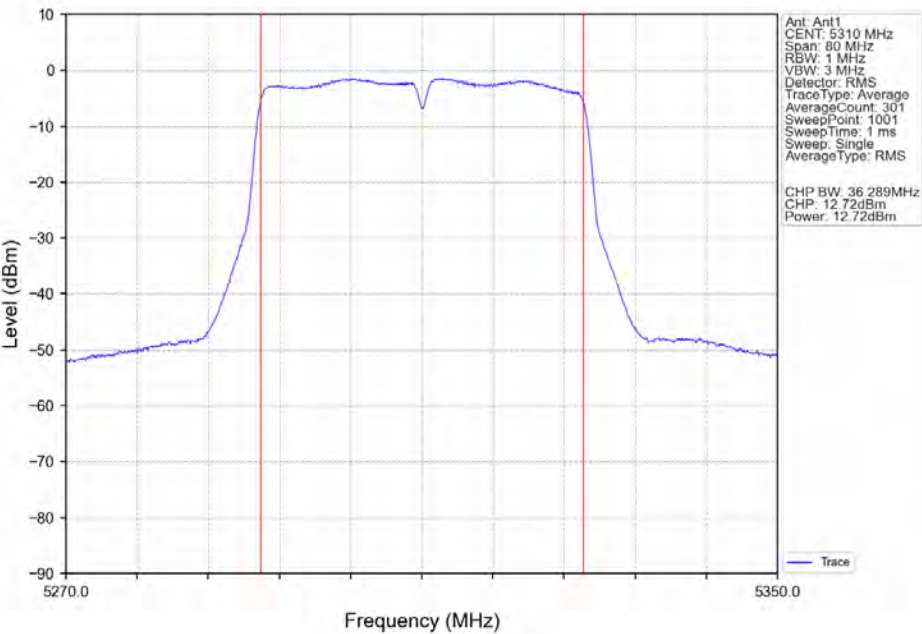
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



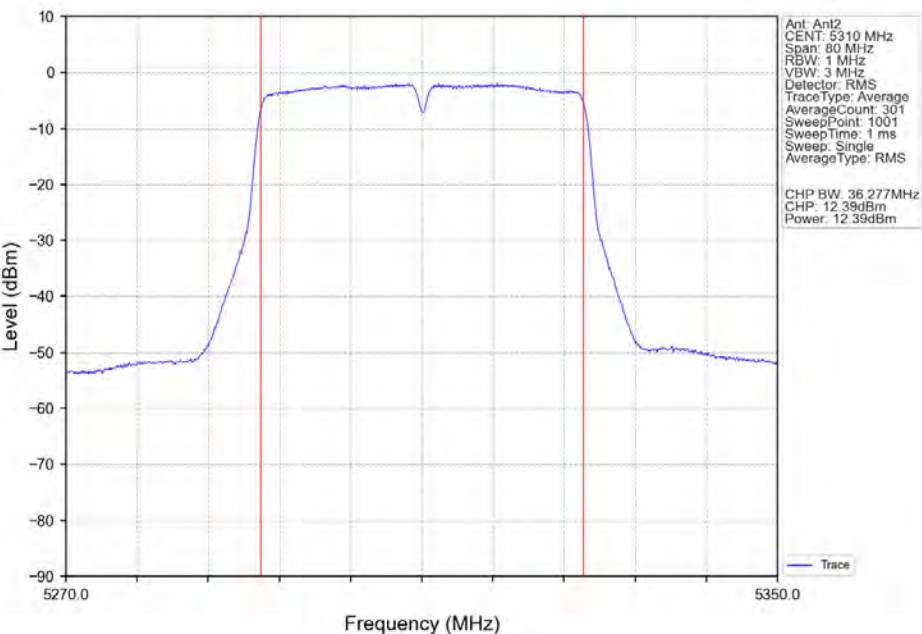
802.11n(HT40)_LCH_5270MHz_Ant5_NTNV



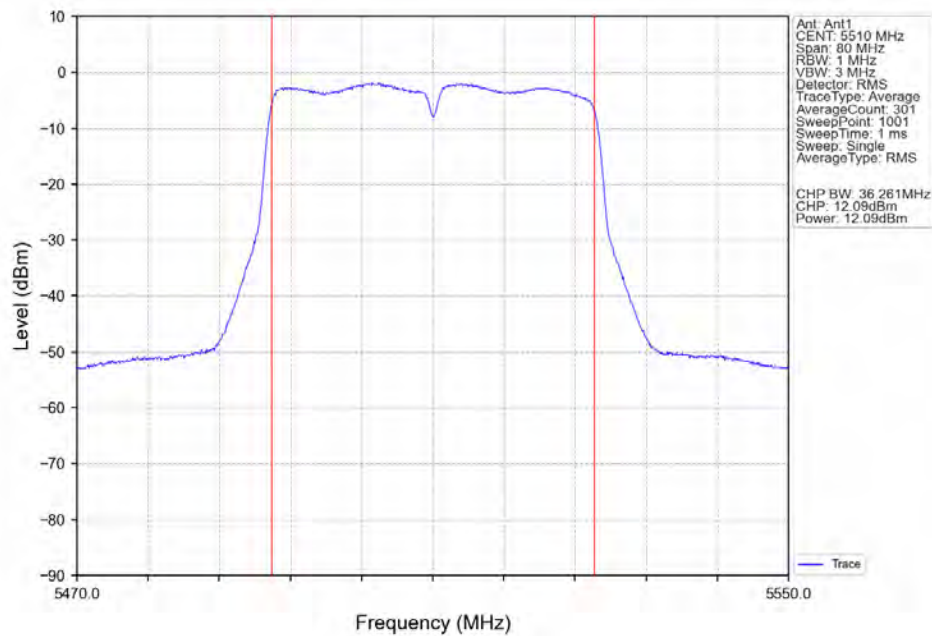
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



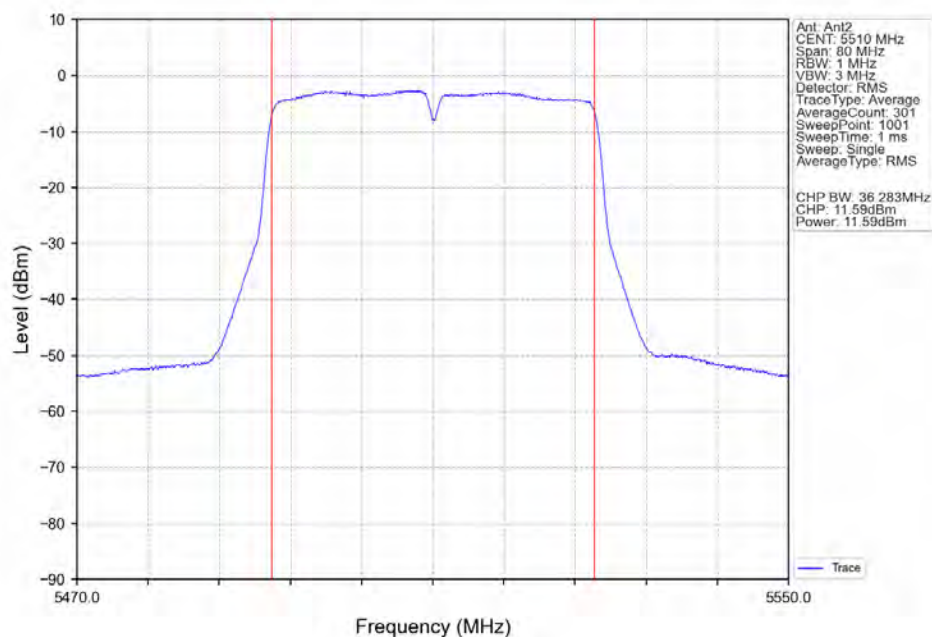
802.11n(HT40)_HCH_5310MHz_Ant5_NTNV



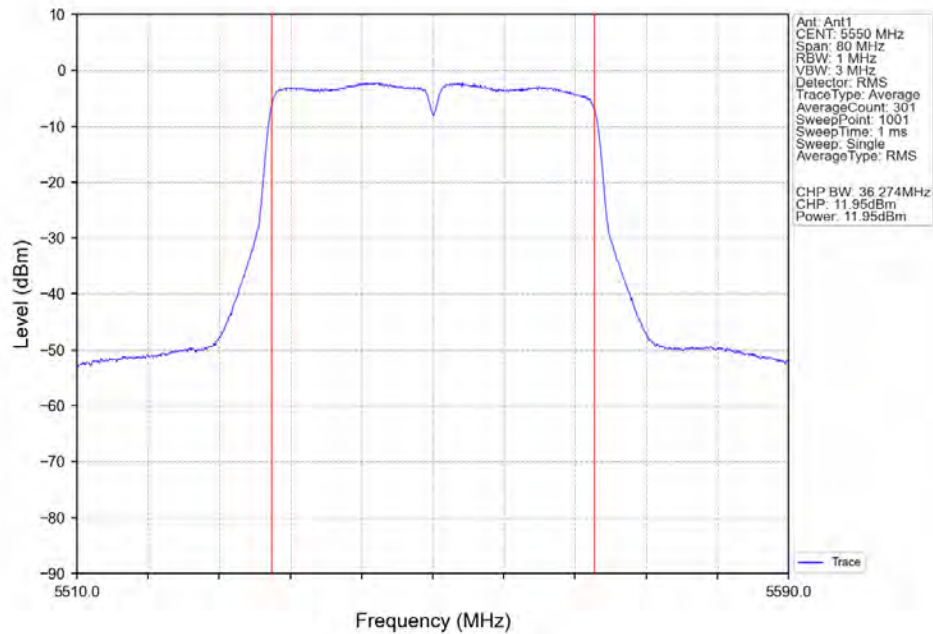
802.11n(HT40)_LCH_5510MHz_Ant1_NTNV



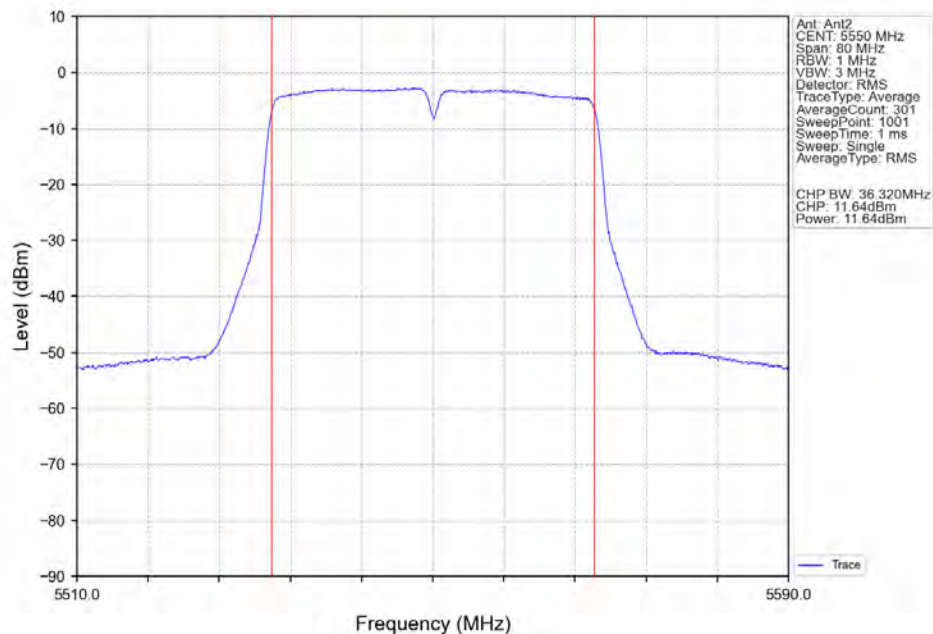
802.11n(HT40)_LCH_5510MHz_Ant5_NTNV



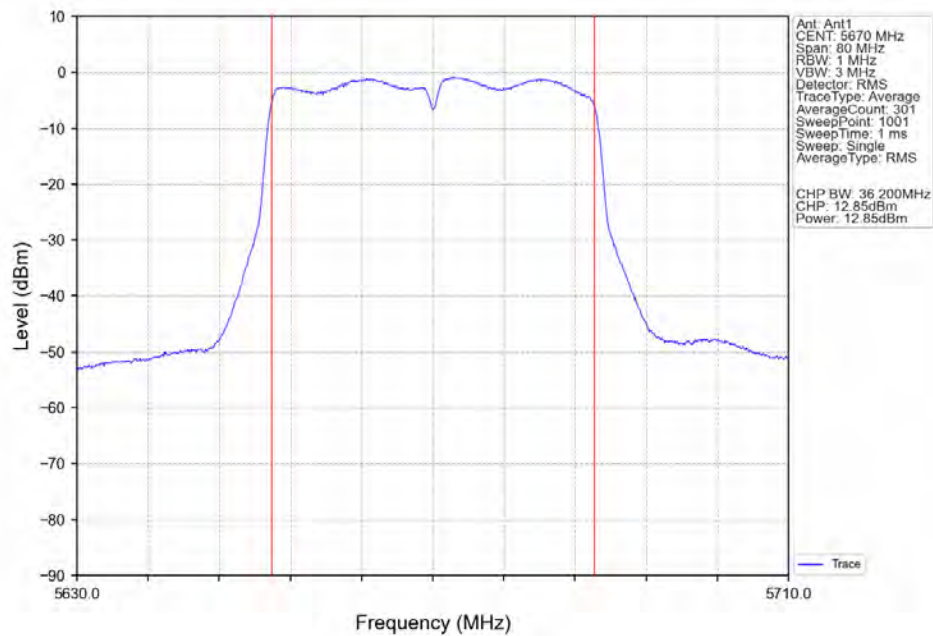
802.11n(HT40)_MCH_5550MHz_Ant1_NTNV



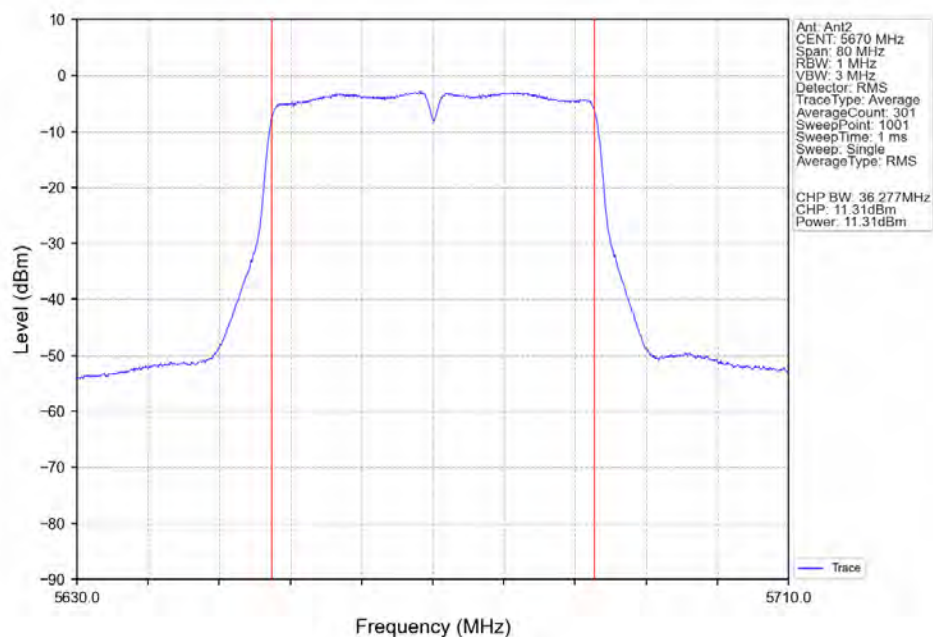
802.11n(HT40)_MCH_5550MHz_Ant5_NTNV



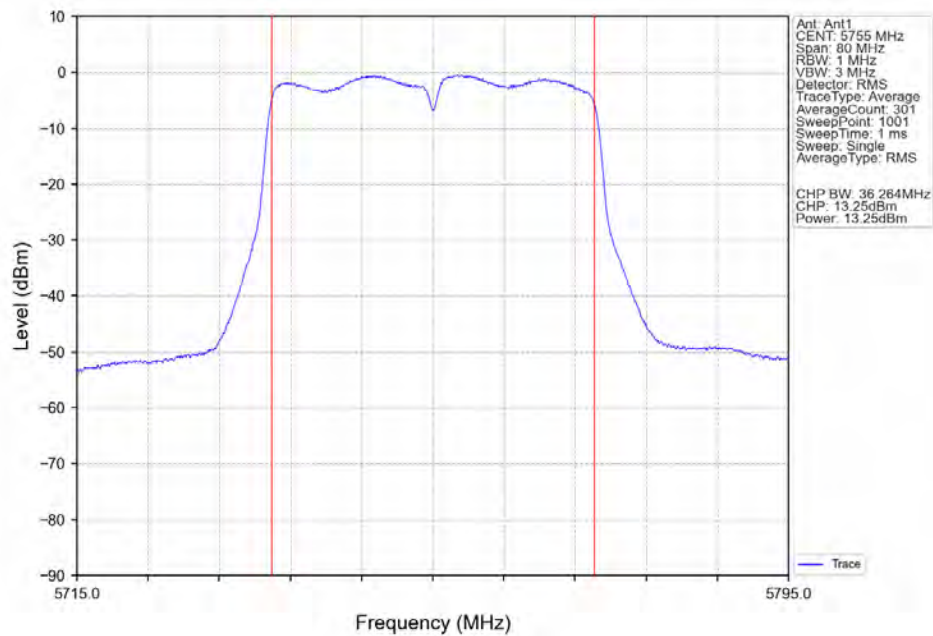
802.11n(HT40)_HCH_5670MHz_Ant1_NTNV



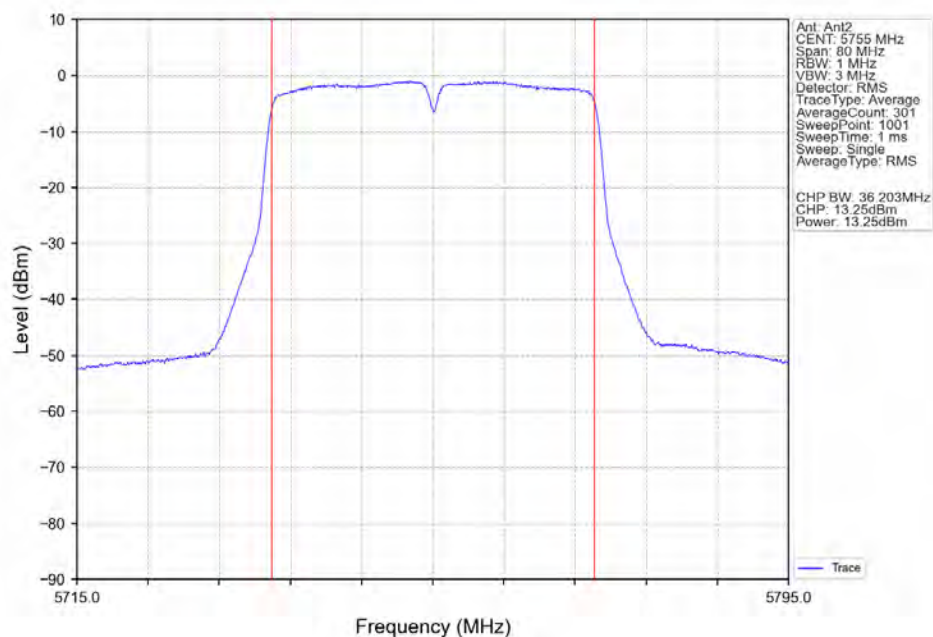
802.11n(HT40)_HCH_5670MHz_Ant5_NTNV



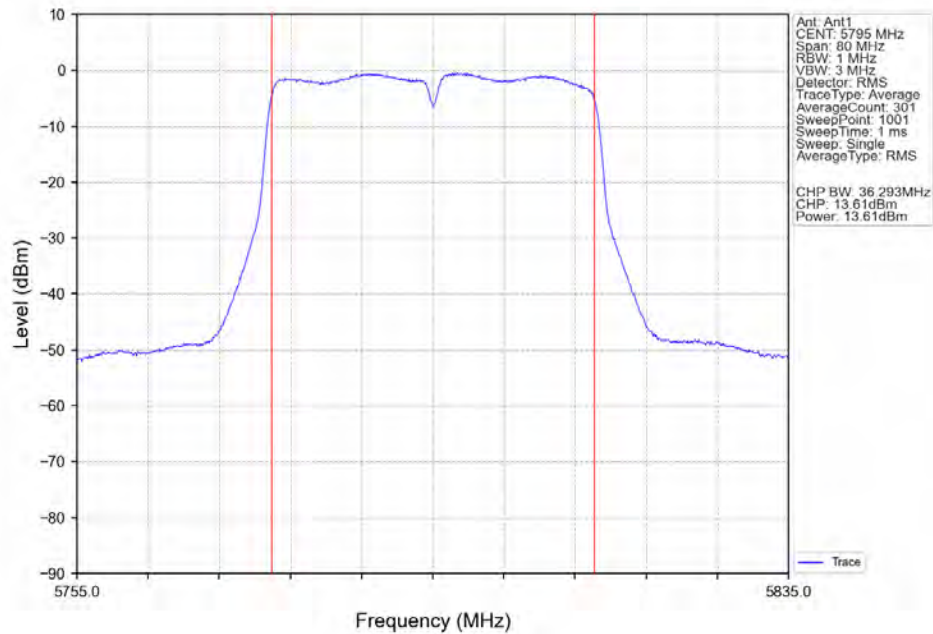
802.11n(HT40)_LCH_5755MHz_Ant1_NTNV



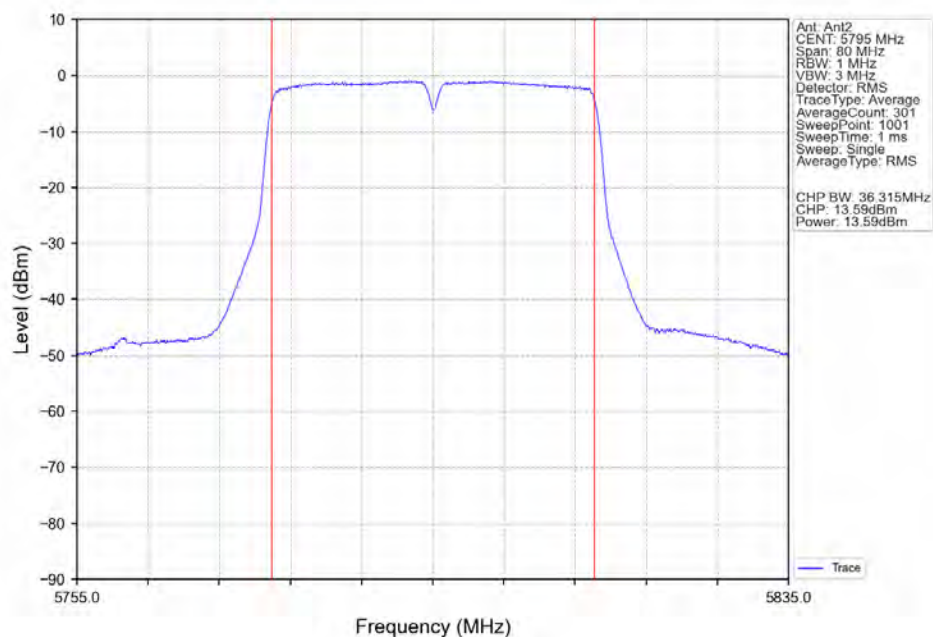
802.11n(HT40)_LCH_5755MHz_Ant5_NTNV



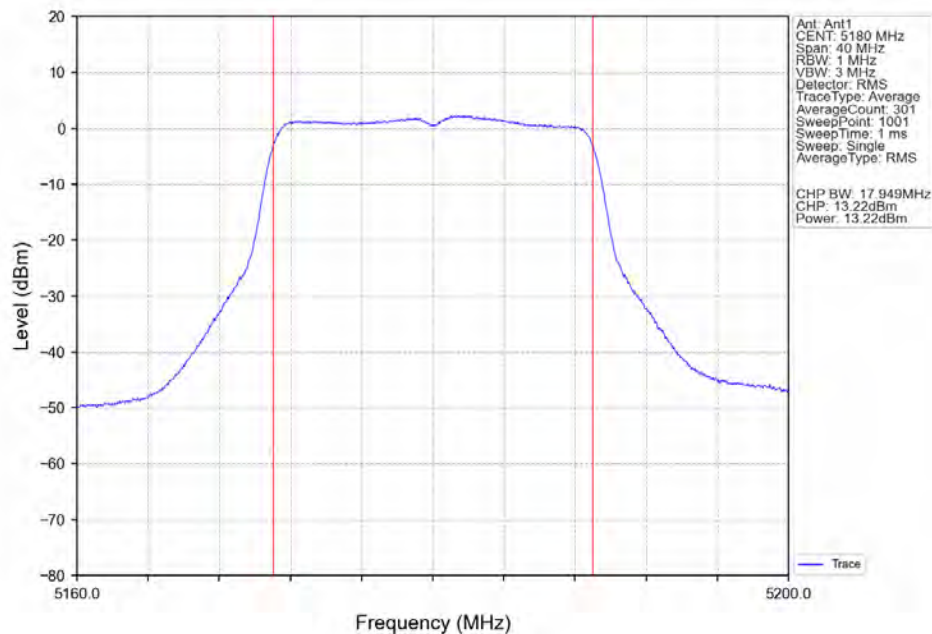
802.11n(HT40)_HCH_5795MHz_Ant1_NTNV



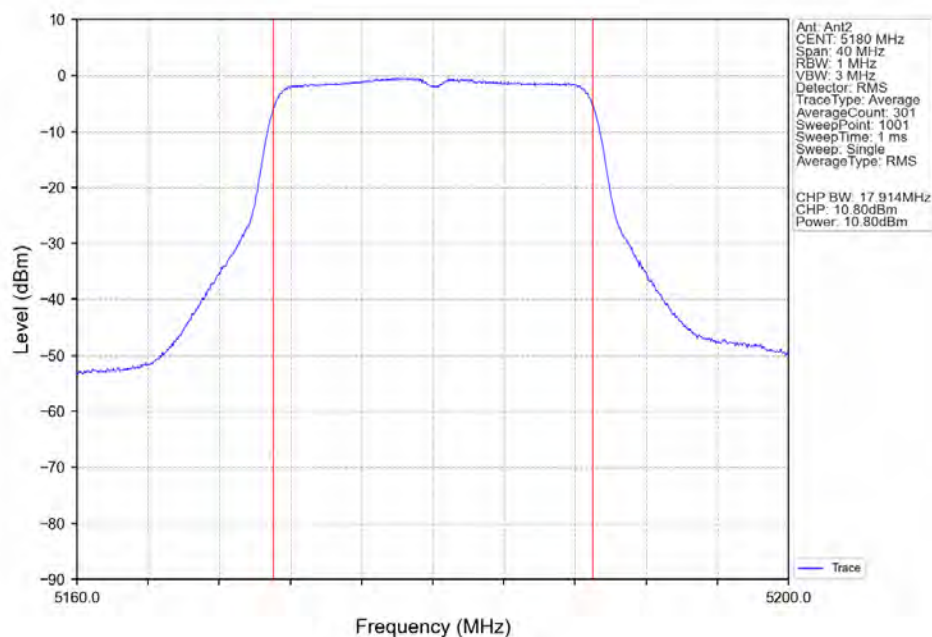
802.11n(HT40)_HCH_5795MHz_Ant5_NTNV



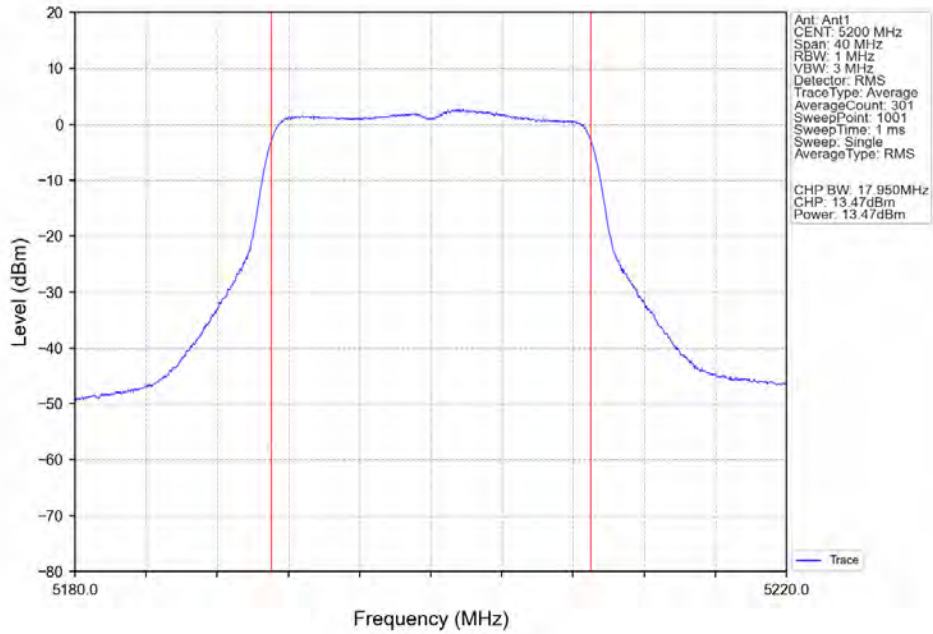
802.11ac(VHT20)_LCH_5180MHz_Ant1_NTNV



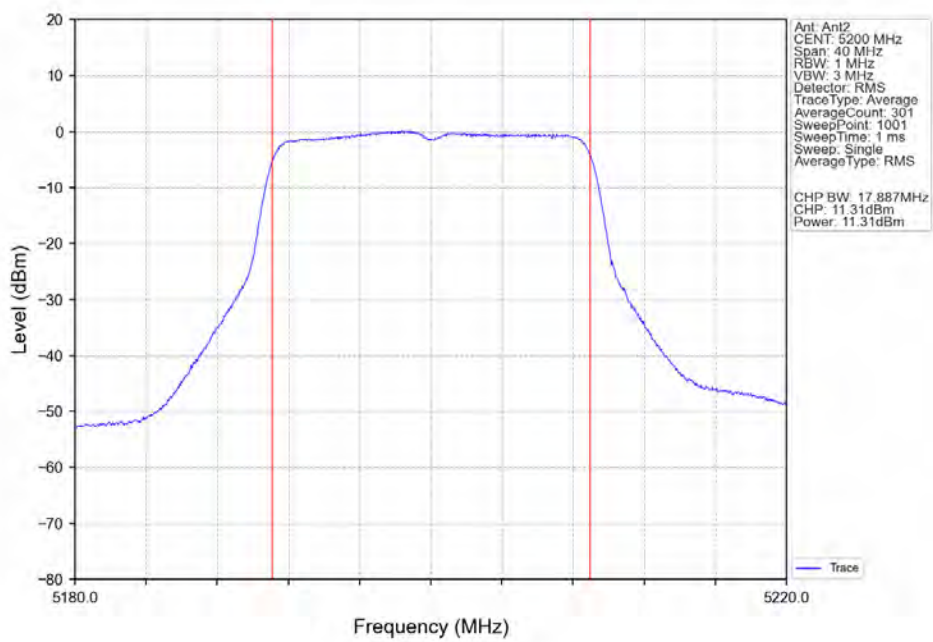
802.11ac(VHT20)_LCH_5180MHz_Ant5_NTNV



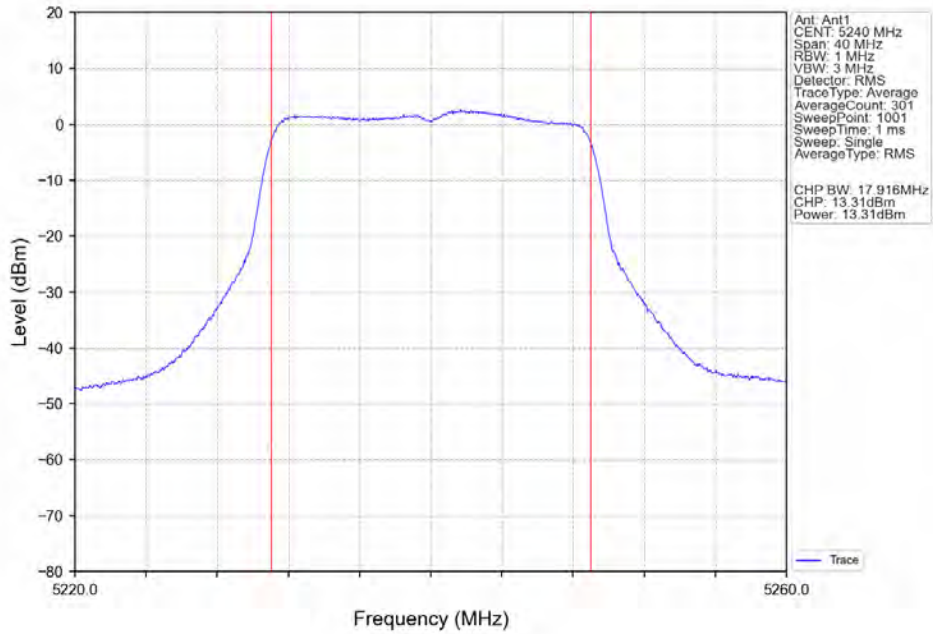
802.11ac(VHT20)_MCH_5200MHz_Ant1_NTNV



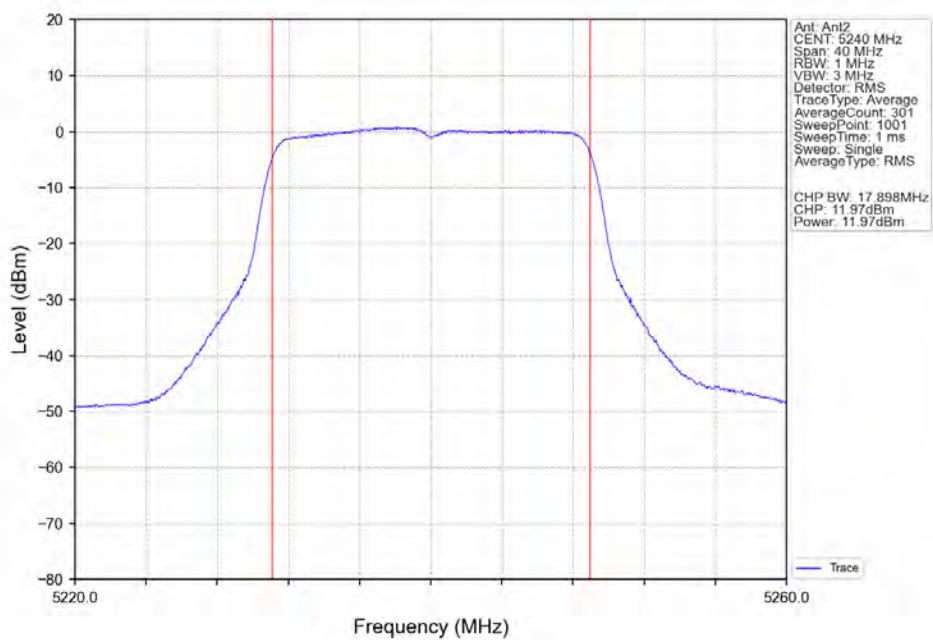
802.11ac(VHT20)_MCH_5200MHz_Ant5_NTNV



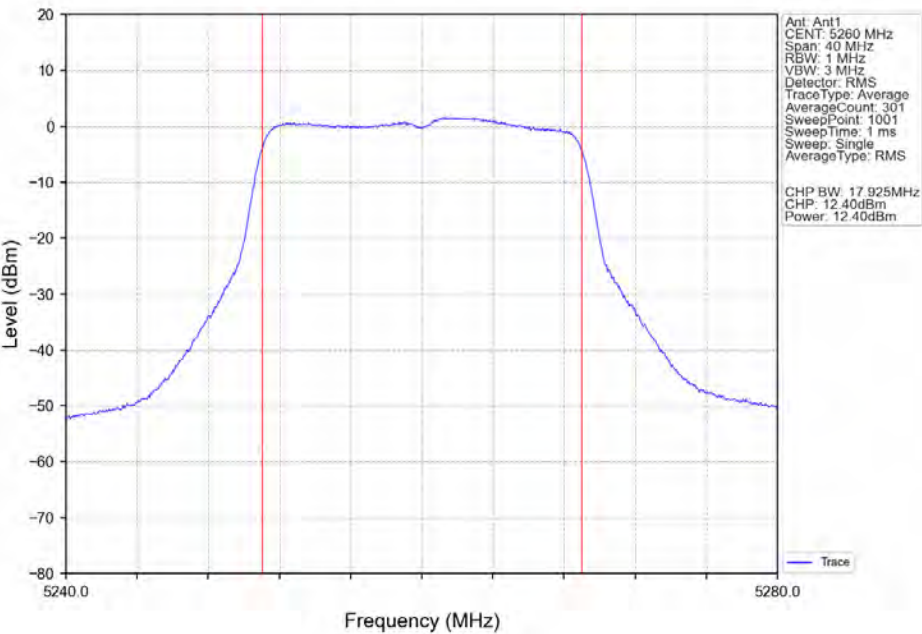
802.11ac(VHT20)_HCH_5240MHz_Ant1_NTNV



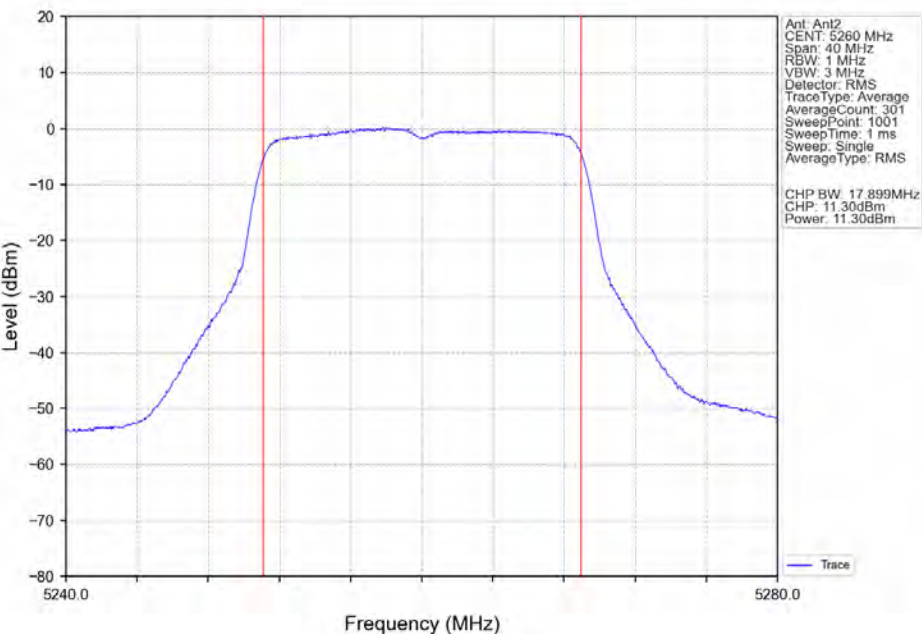
802.11ac(VHT20)_HCH_5240MHz_Ant5_NTNV



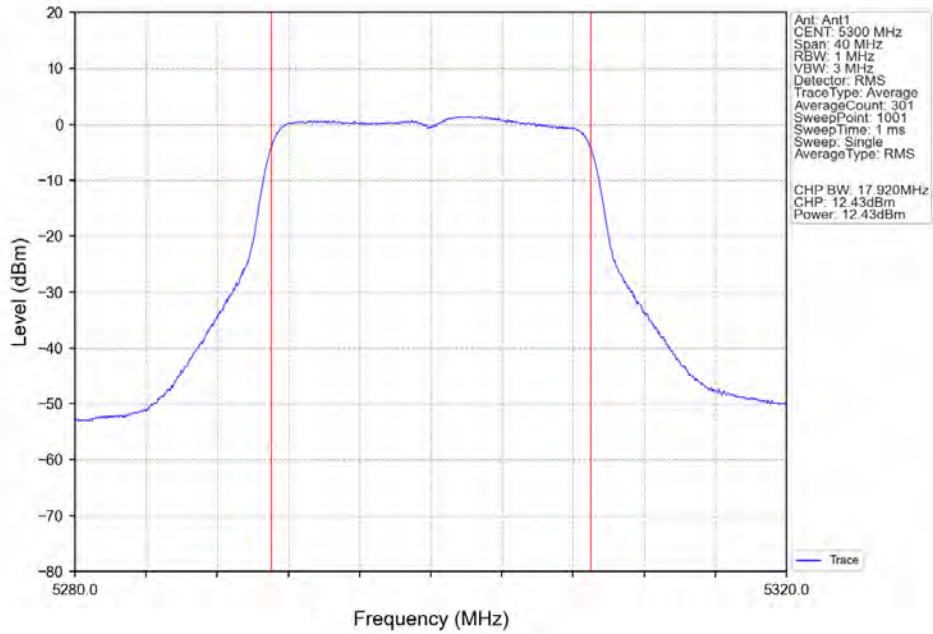
802.11ac(VHT20)_LCH_5260MHz_Ant1_NTNV



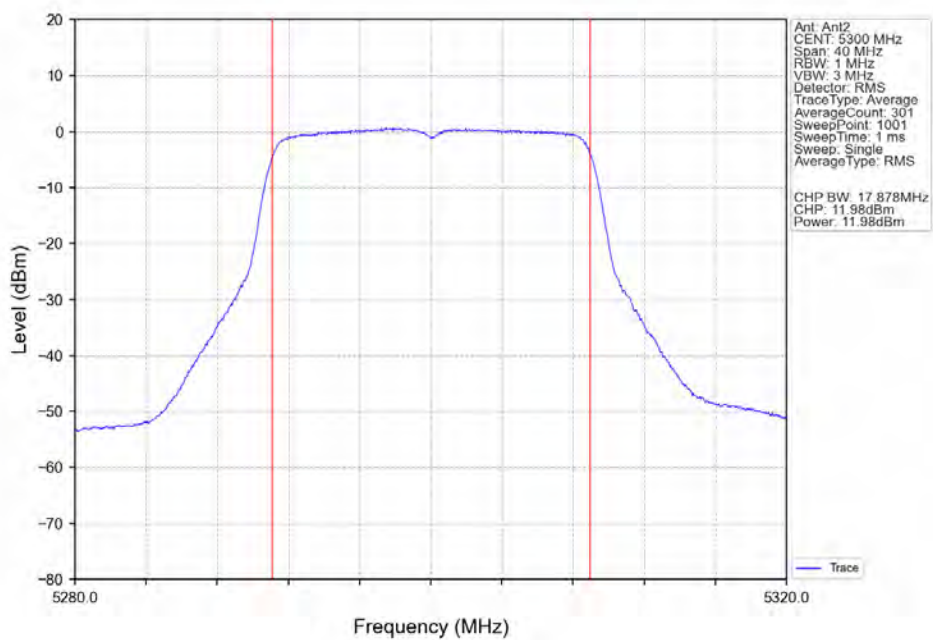
802.11ac(VHT20)_LCH_5260MHz_Ant5_NTNV



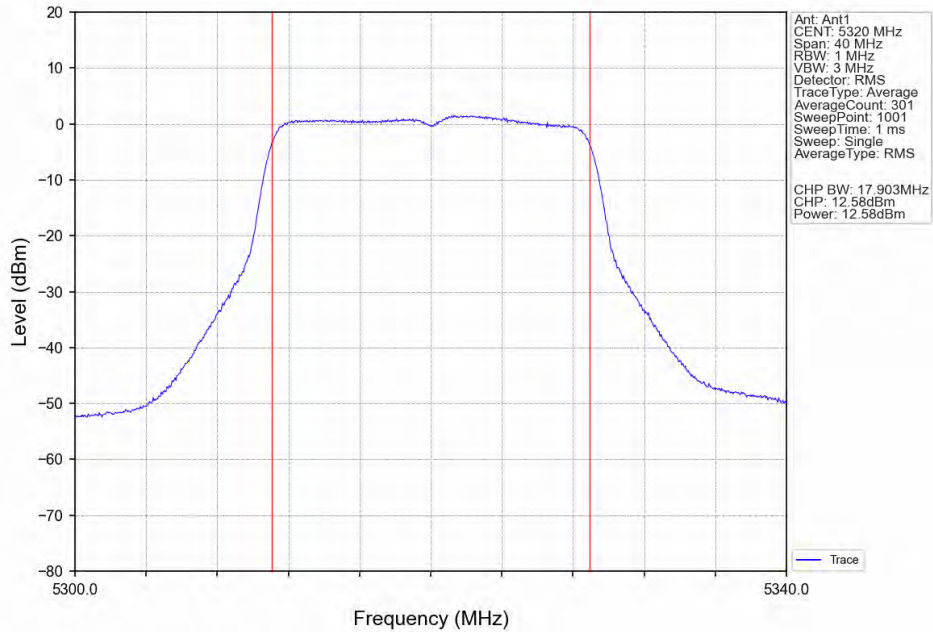
802.11ac(VHT20)_MCH_5300MHz_Ant1_NTNV



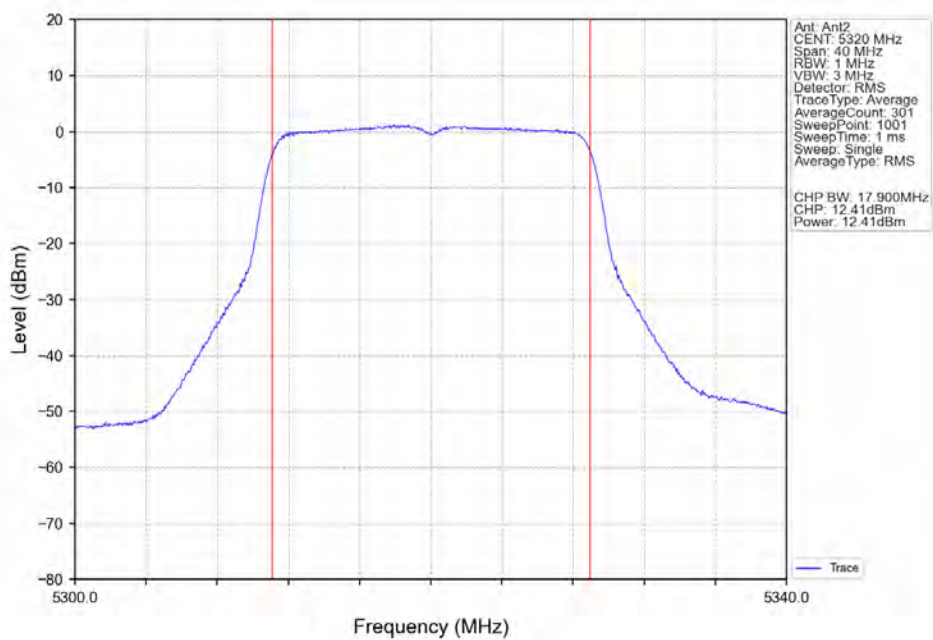
802.11ac(VHT20)_MCH_5300MHz_Ant5_NTNV



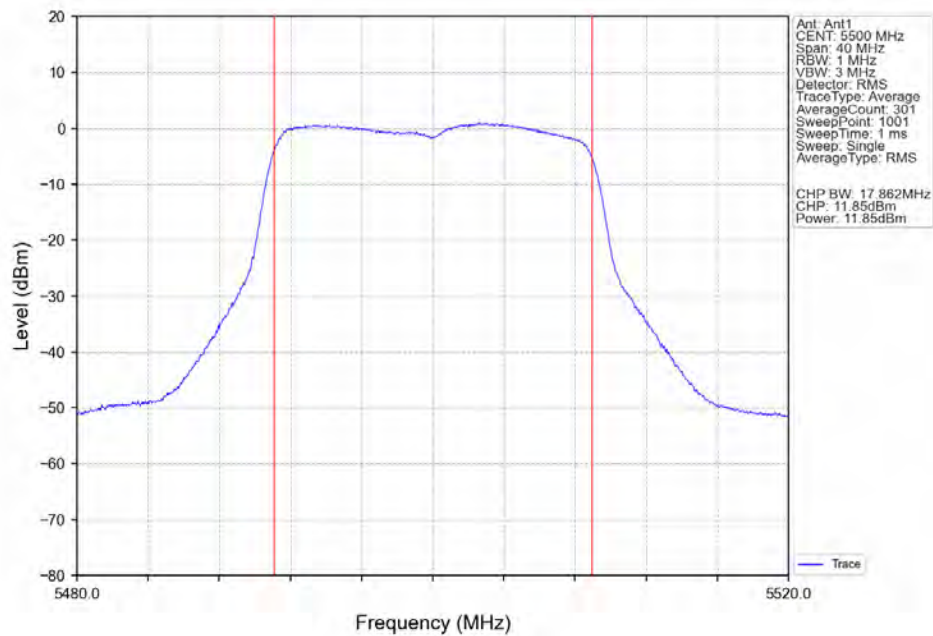
802.11ac(VHT20)_HCH_5320MHz_Ant1_NTNV



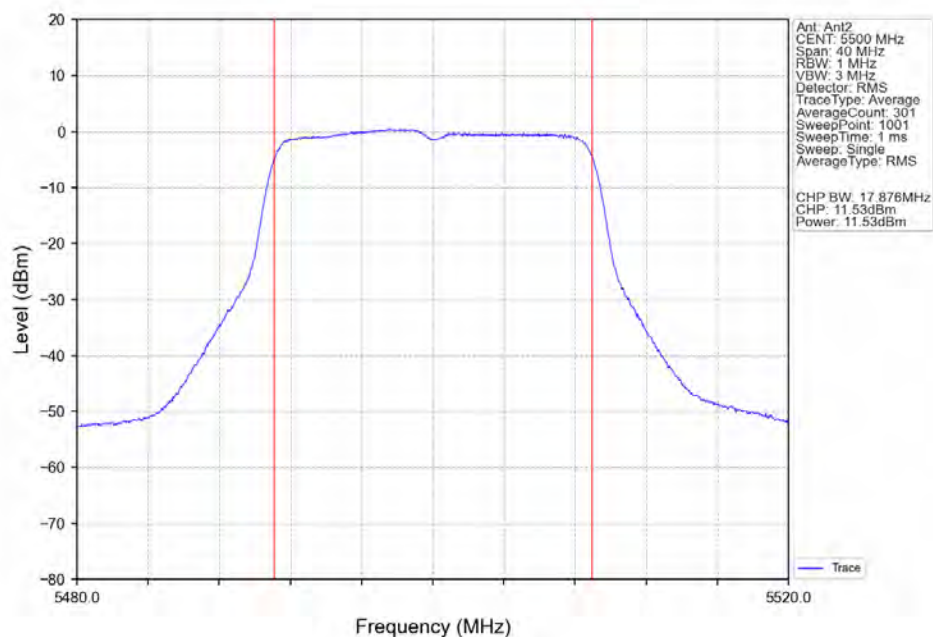
802.11ac(VHT20)_HCH_5320MHz_Ant5_NTNV



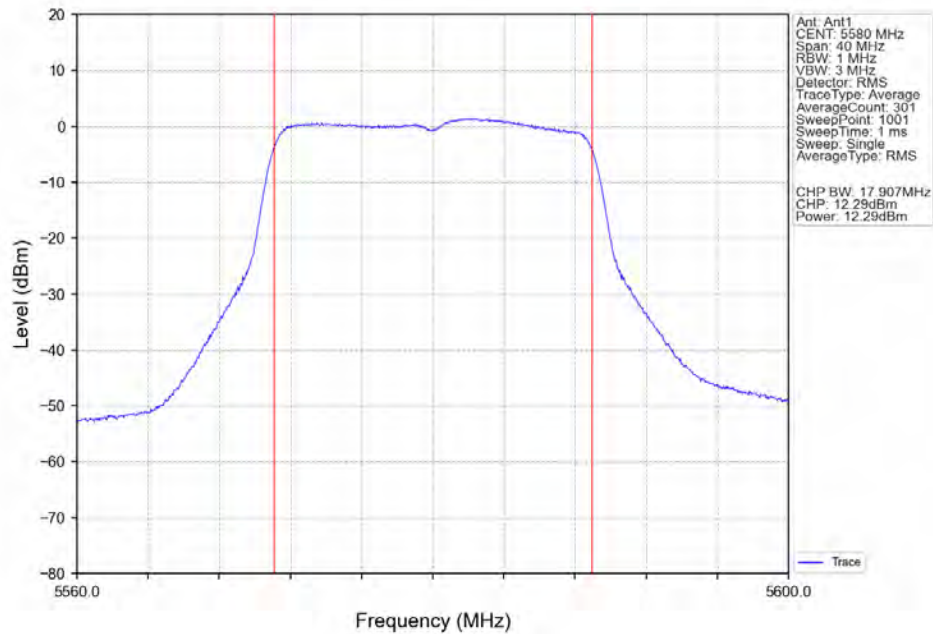
802.11ac(VHT20)_LCH_5500MHz_Ant1_NTNV



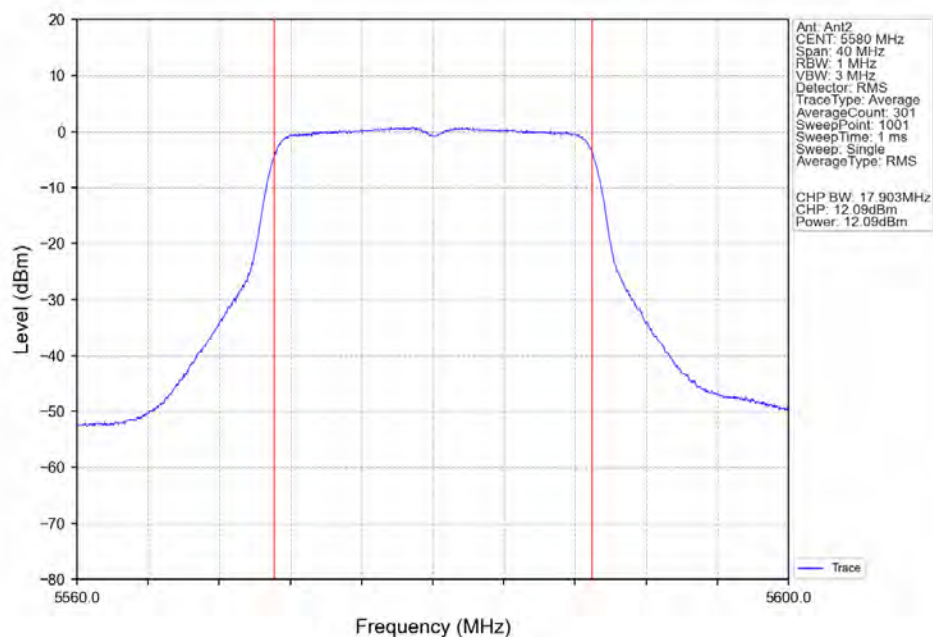
802.11ac(VHT20)_LCH_5500MHz_Ant5_NTNV



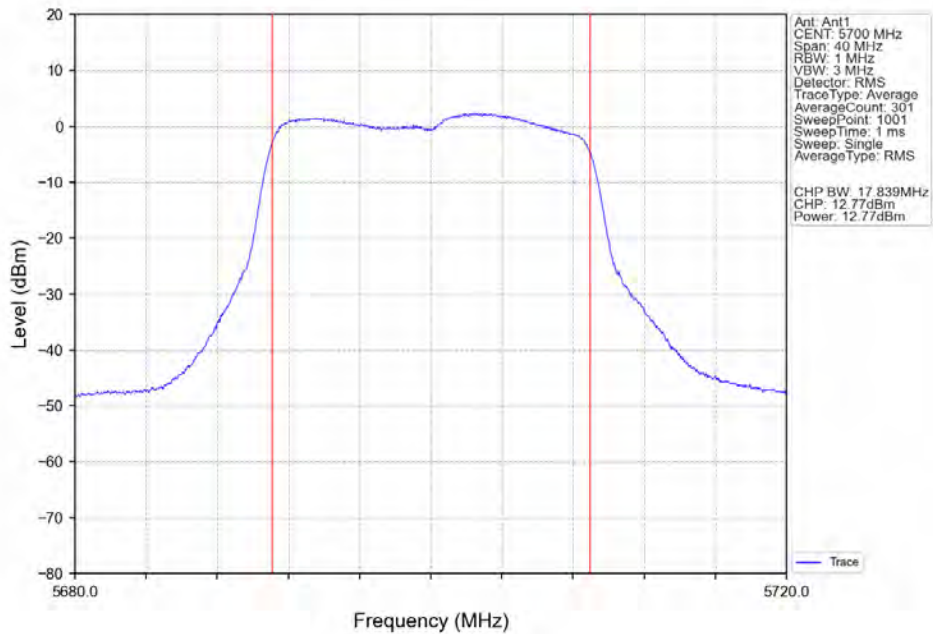
802.11ac(VHT20)_MCH_5580MHz_Ant1_NTNV



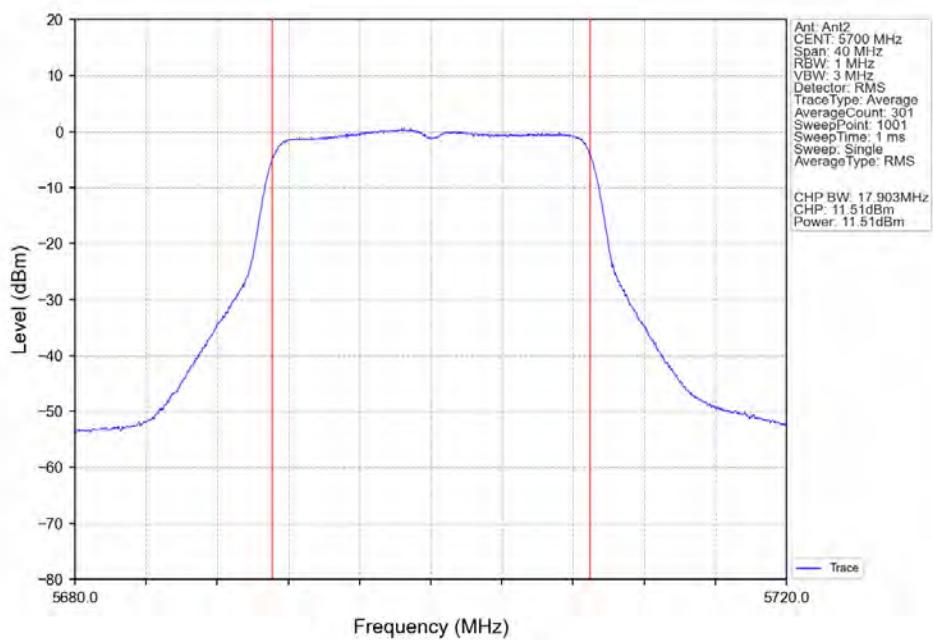
802.11ac(VHT20)_MCH_5580MHz_Ant5_NTNV



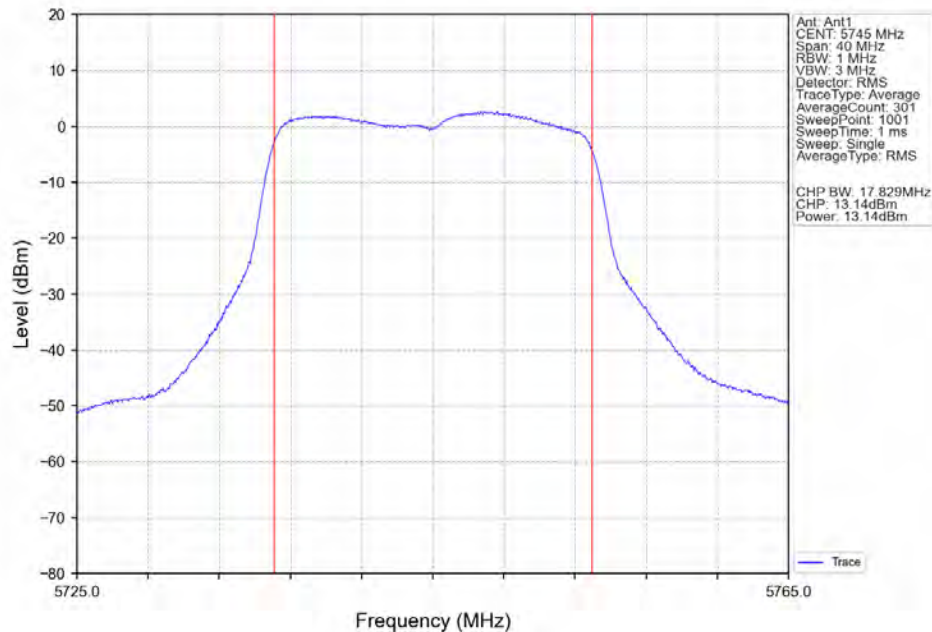
802.11ac(VHT20)_HCH_5700MHz_Ant1_NTNV



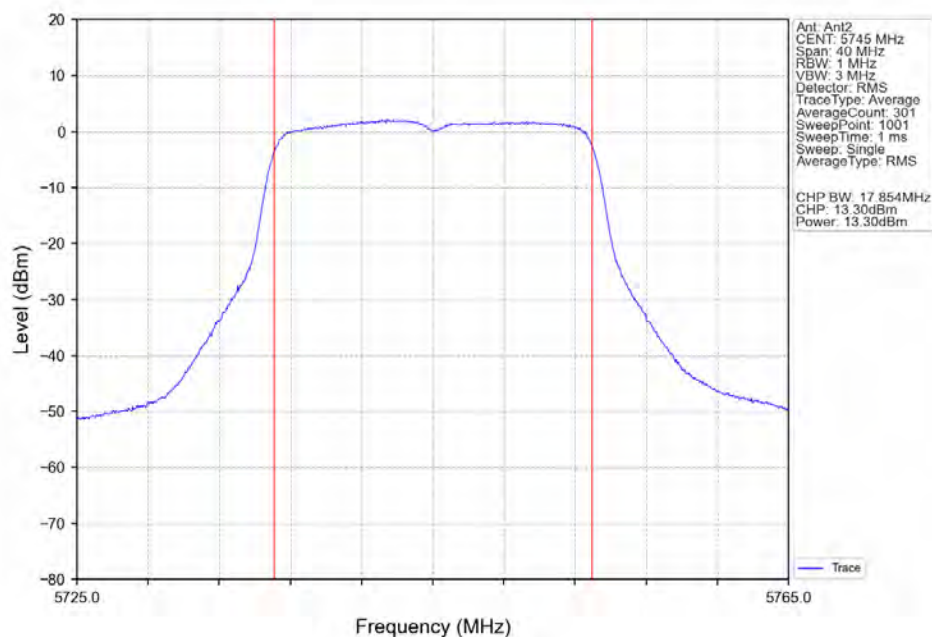
802.11ac(VHT20)_HCH_5700MHz_Ant5_NTNV



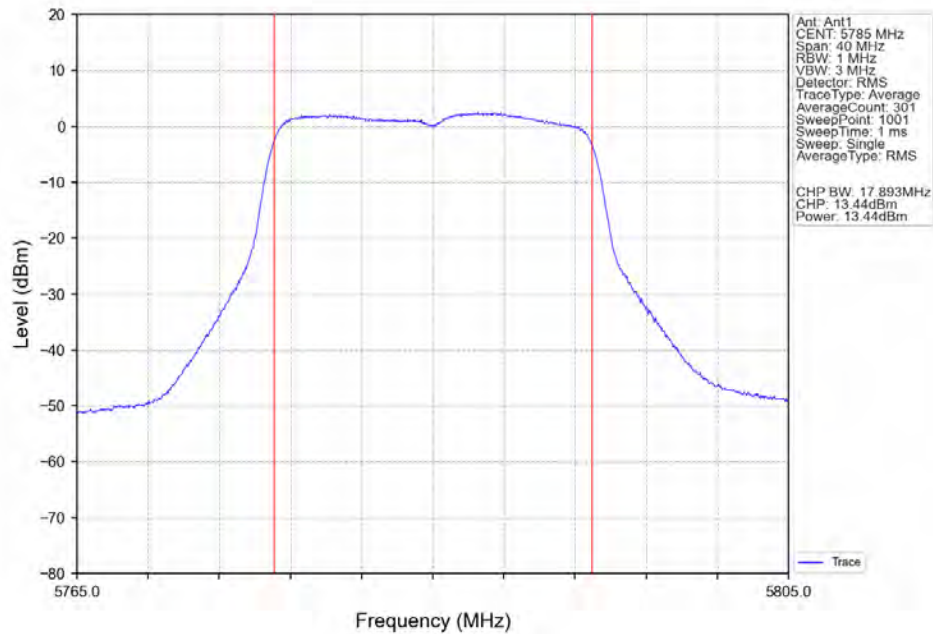
802.11ac(VHT20)_LCH_5745MHz_Ant1_NTNV



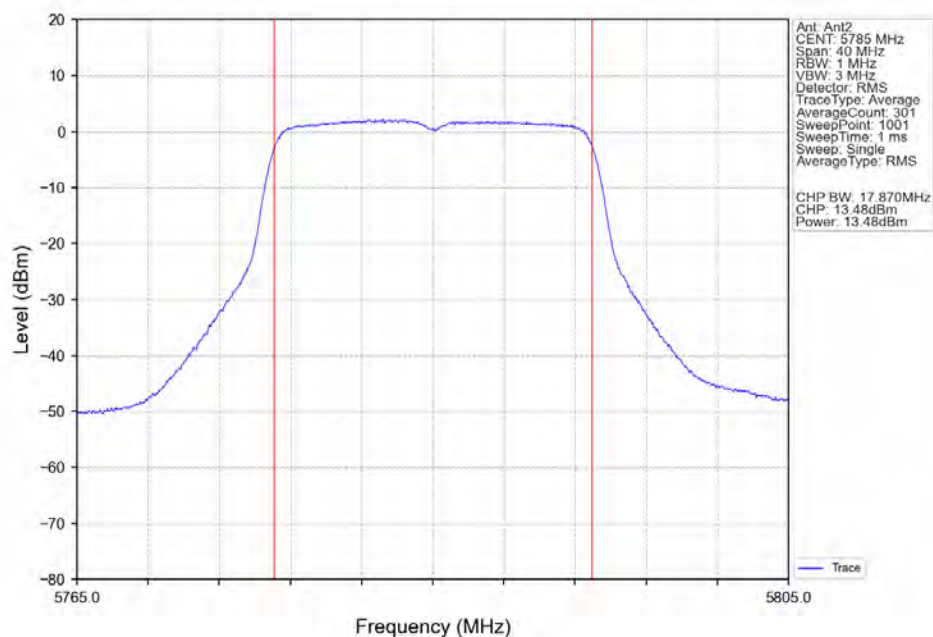
802.11ac(VHT20)_LCH_5745MHz_Ant5_NTNV



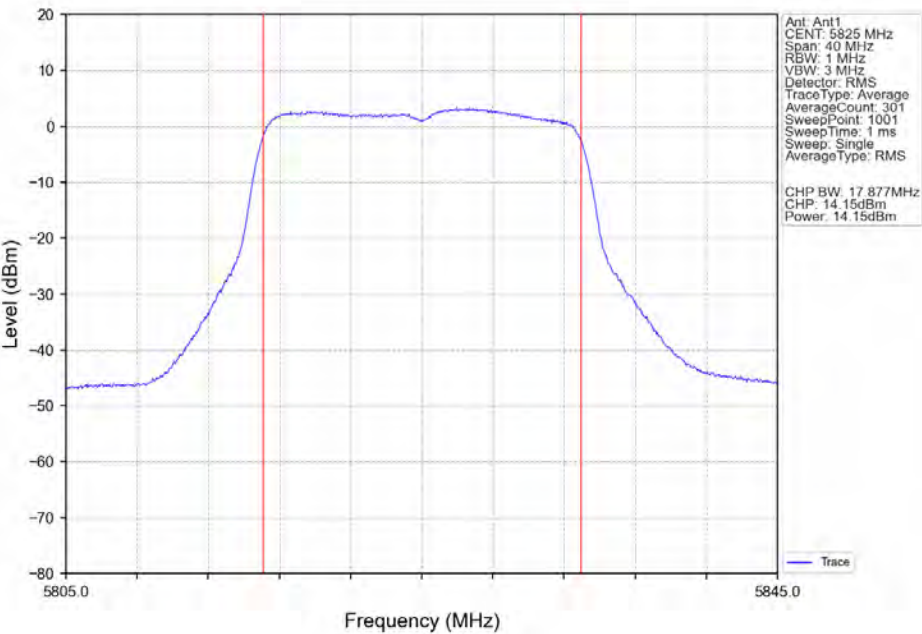
802.11ac(VHT20)_MCH_5785MHz_Ant1_NTNV



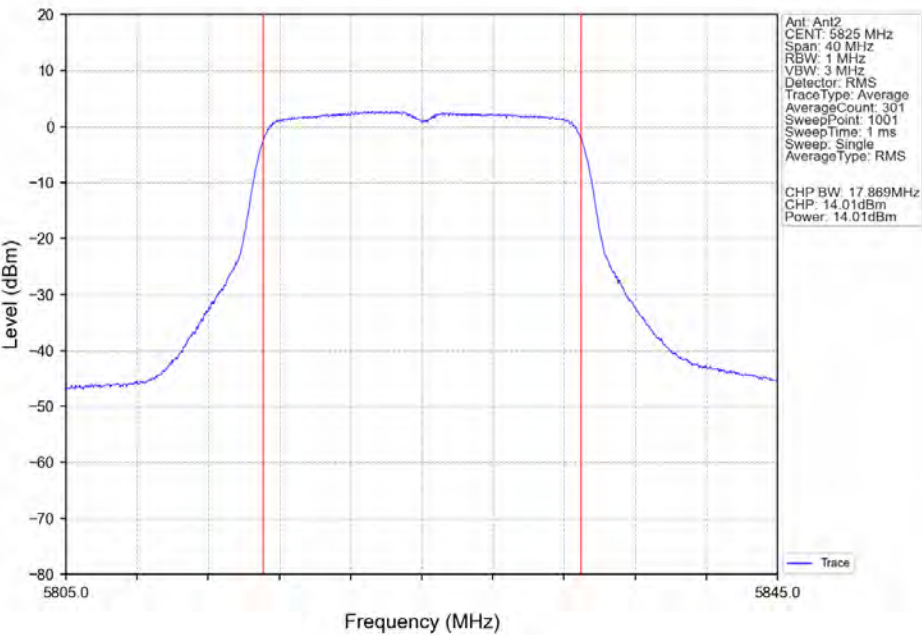
802.11ac(VHT20)_MCH_5785MHz_Ant5_NTNV



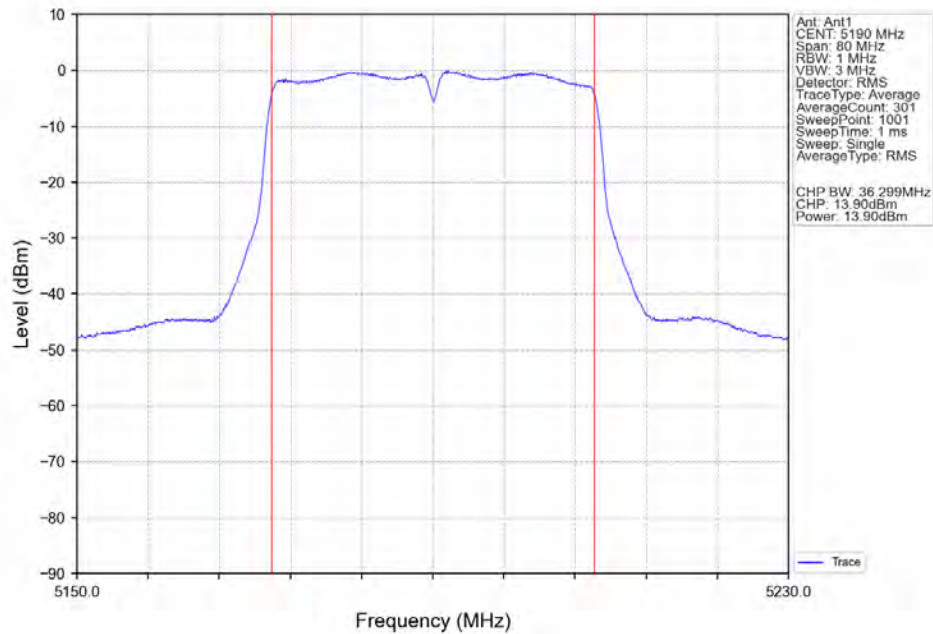
802.11ac(VHT20)_HCH_5825MHz_Ant1_NTNV



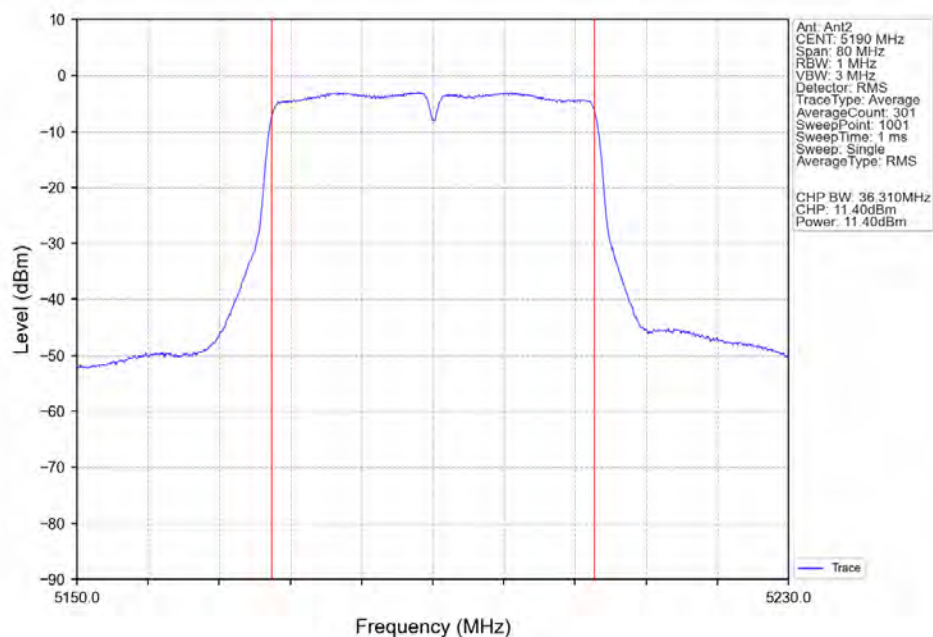
802.11ac(VHT20)_HCH_5825MHz_Ant5_NTNV



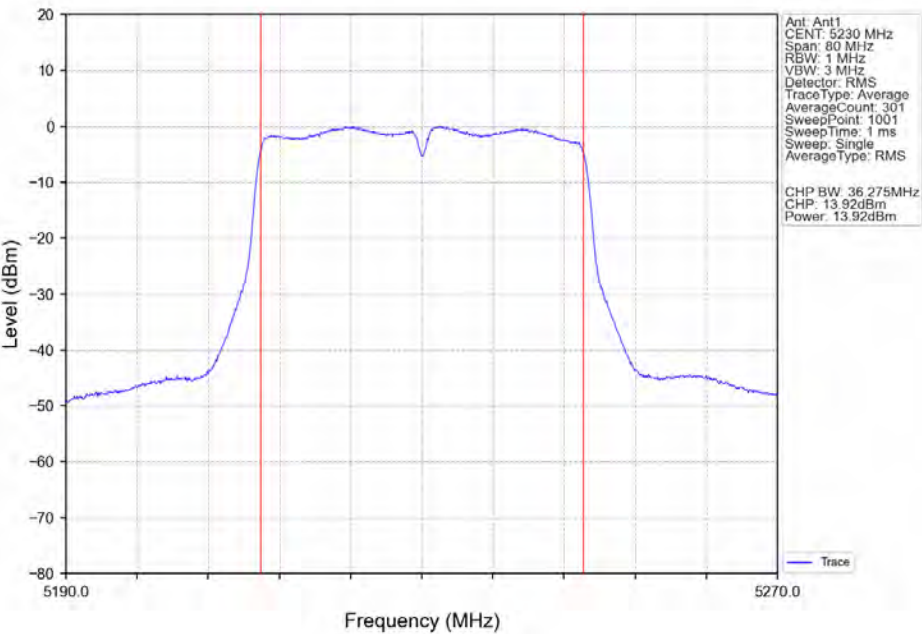
802.11ac(VHT40)_LCH_5190MHz_Ant1_NTNV



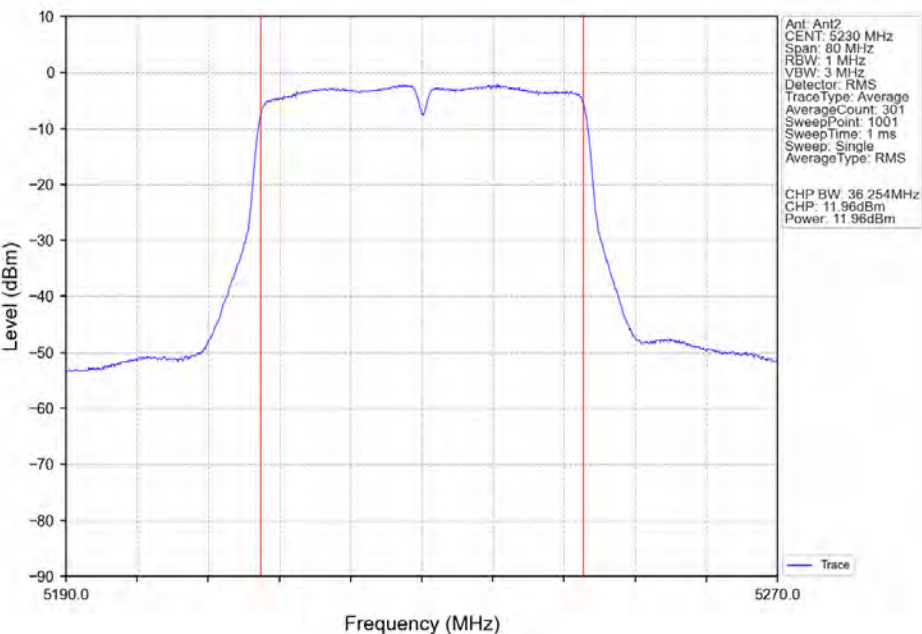
802.11ac(VHT40)_LCH_5190MHz_Ant5_NTNV



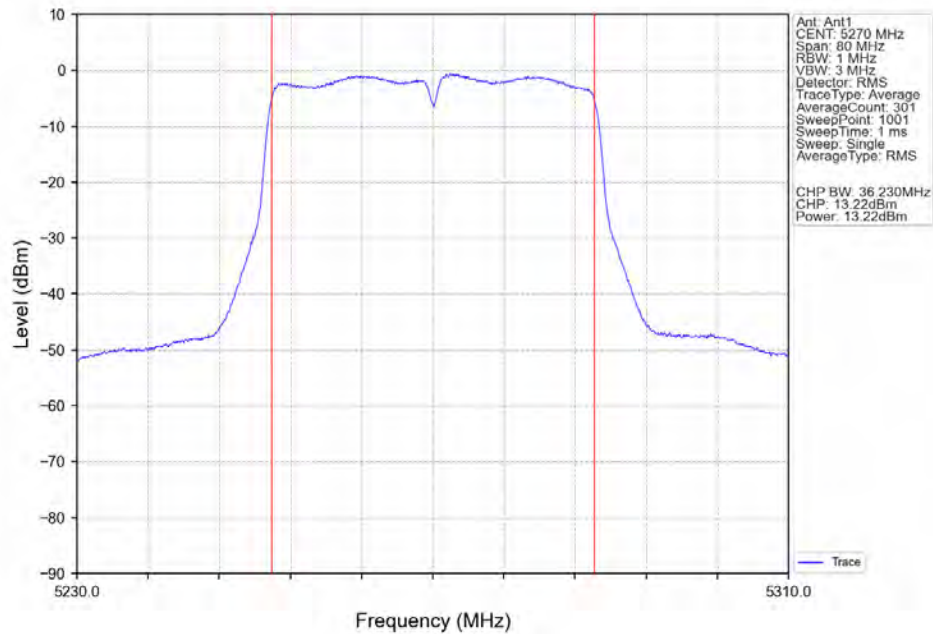
802.11ac(VHT40)_HCH_5230MHz_Ant1_NTNV



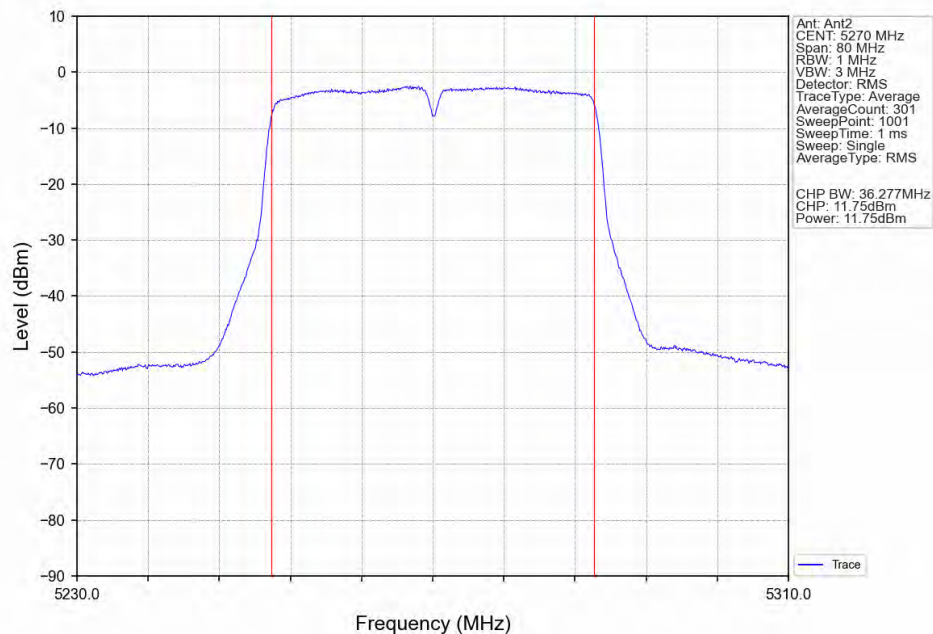
802.11ac(VHT40)_HCH_5230MHz_Ant5_NTNV



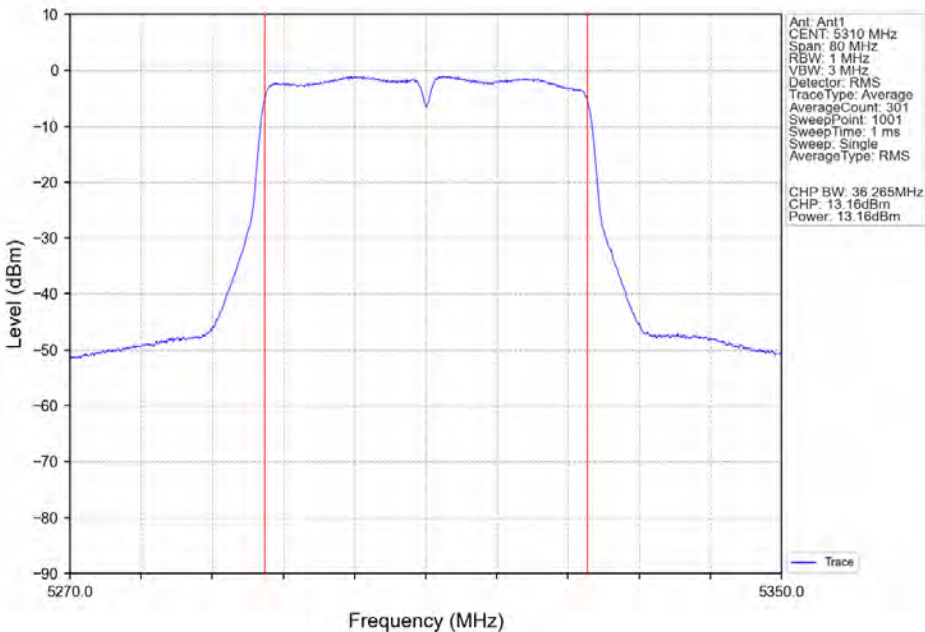
802.11ac(VHT40)_LCH_5270MHz_Ant1_NTNV



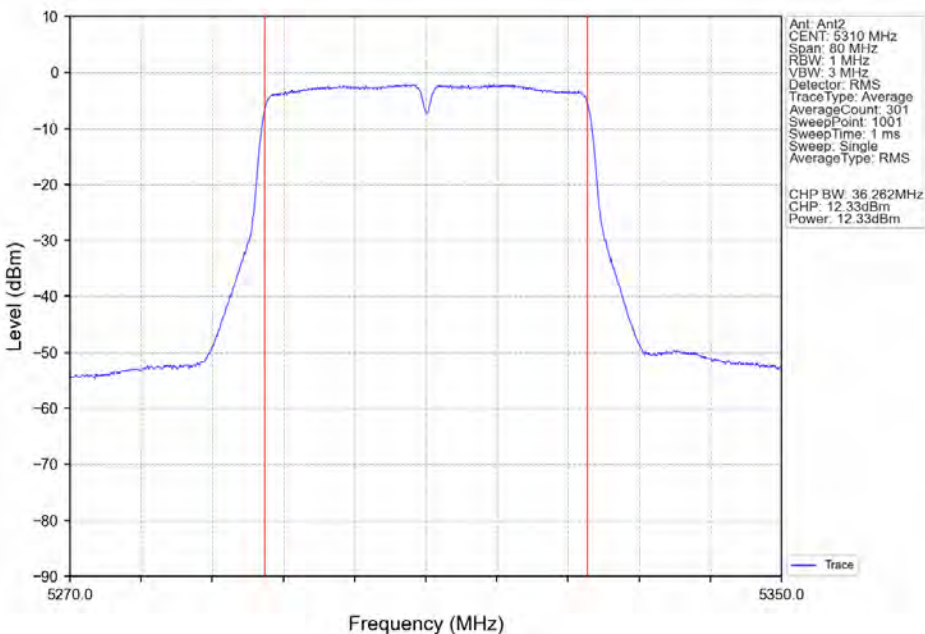
802.11ac(VHT40)_LCH_5270MHz_Ant5_NTNV



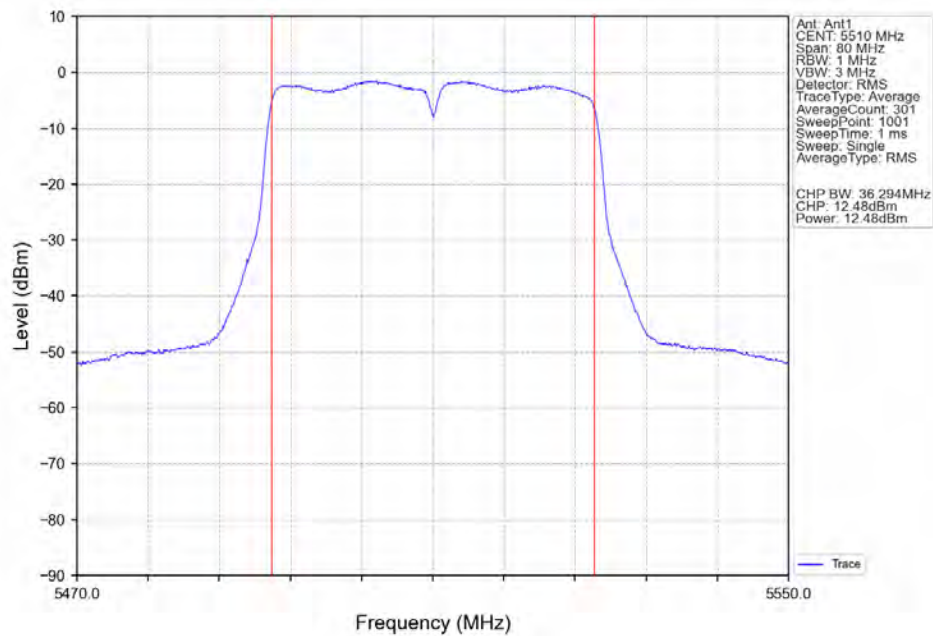
802.11ac(VHT40)_HCH_5310MHz_Ant1_NTNV



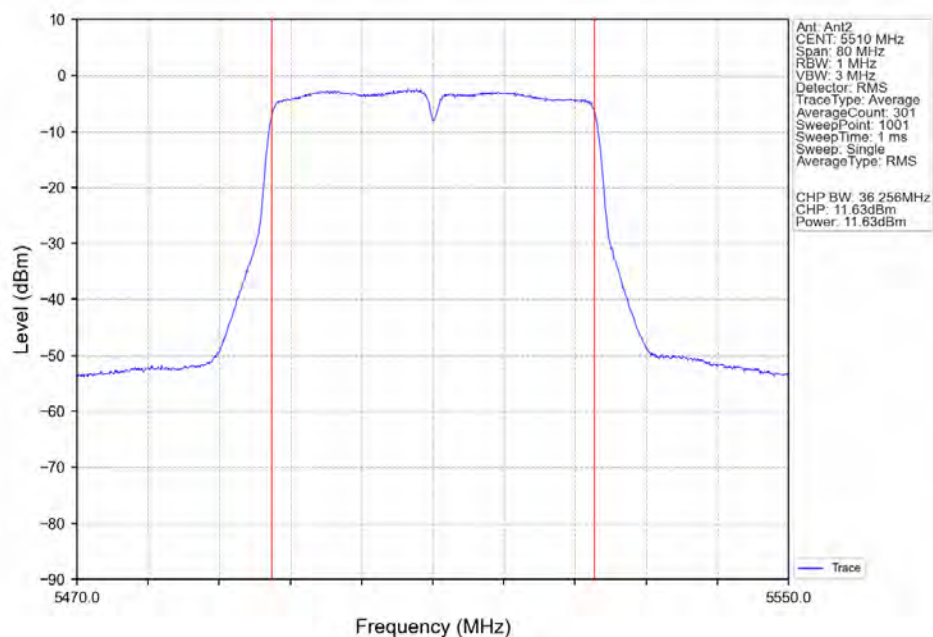
802.11ac(VHT40)_HCH_5310MHz_Ant5_NTNV



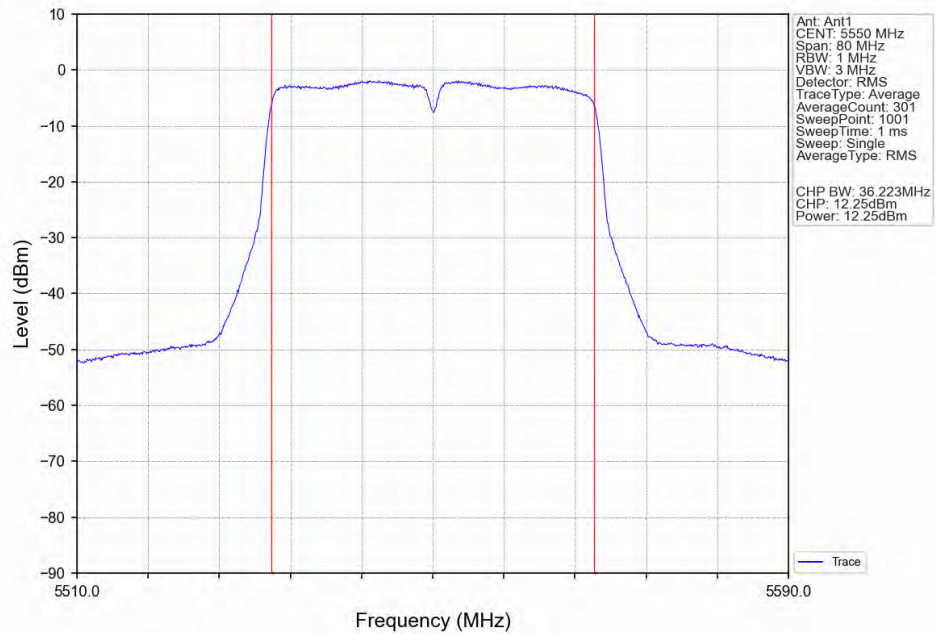
802.11ac(VHT40)_LCH_5510MHz_Ant1_NTNV



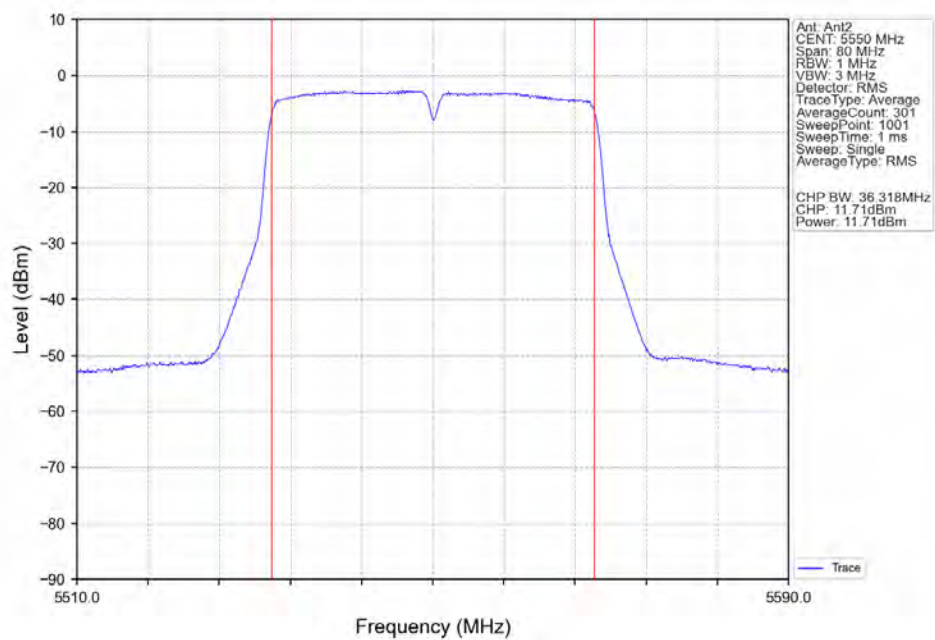
802.11ac(VHT40)_LCH_5510MHz_Ant5_NTNV



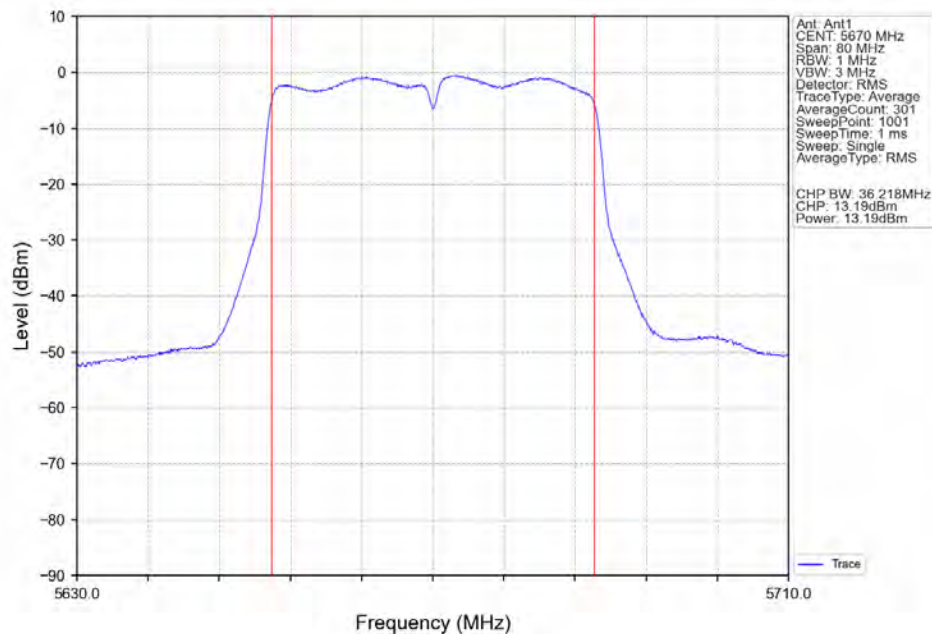
802.11ac(VHT40)_MCH_5550MHz_Ant1_NTNV



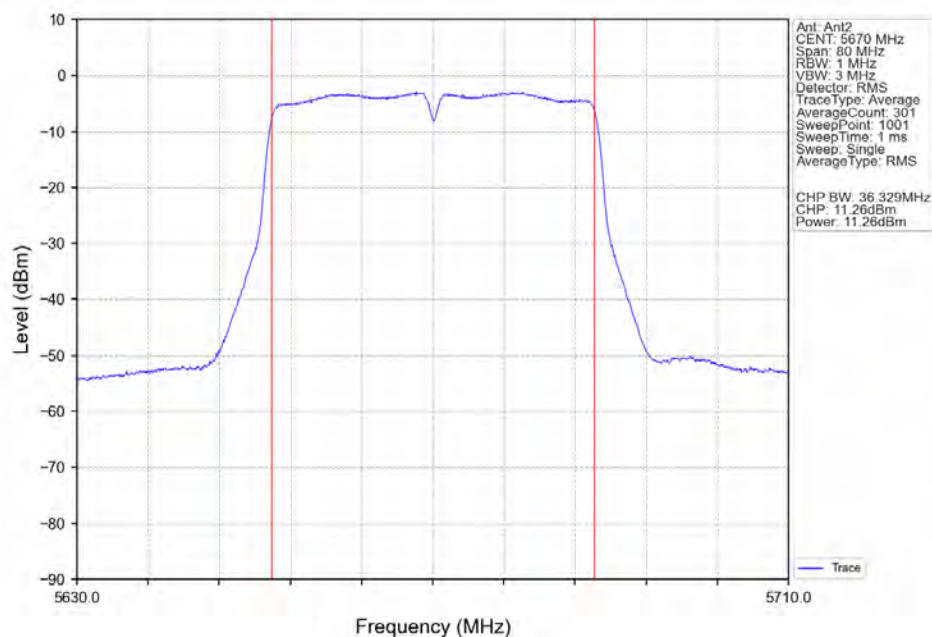
802.11ac(VHT40)_MCH_5550MHz_Ant5_NTNV



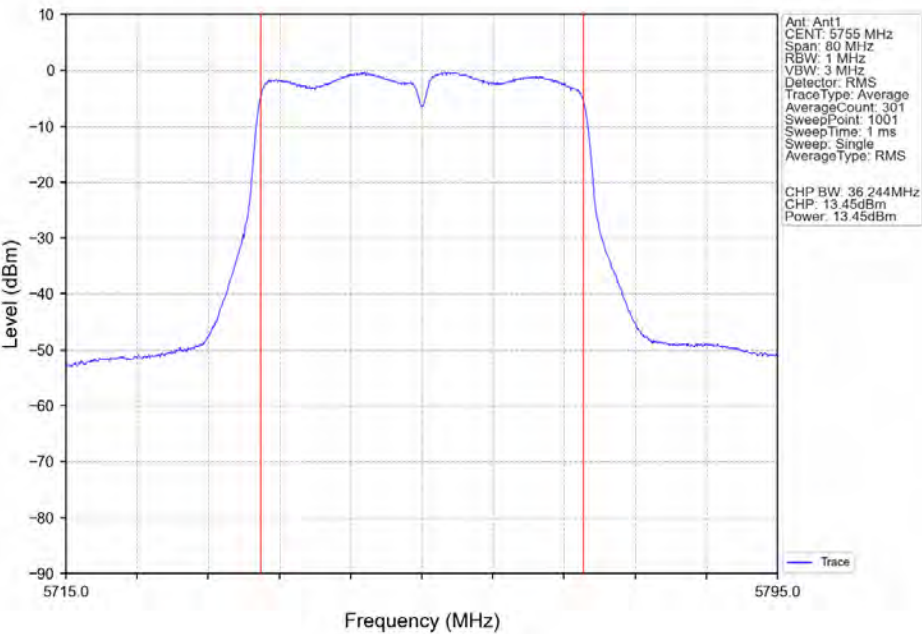
802.11ac(VHT40)_HCH_5670MHz_Ant1_NTNV



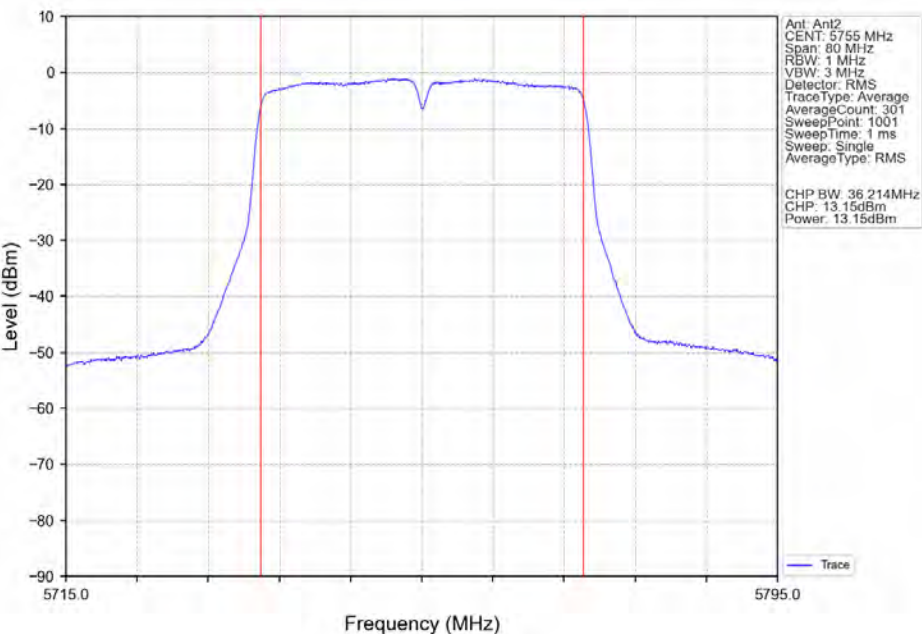
802.11ac(VHT40)_HCH_5670MHz_Ant5_NTNV



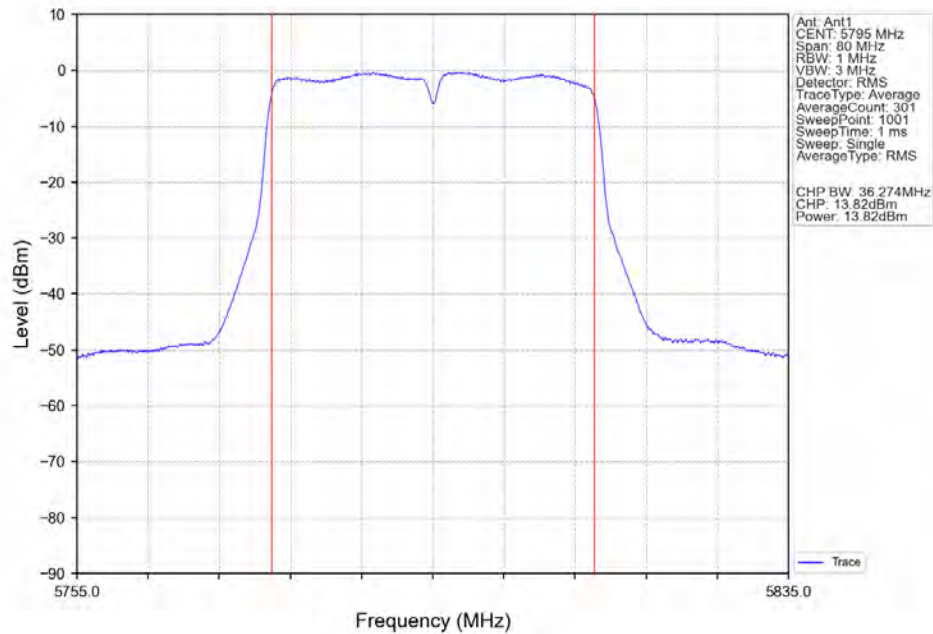
802.11ac(VHT40)_LCH_5755MHz_Ant1_NTNV



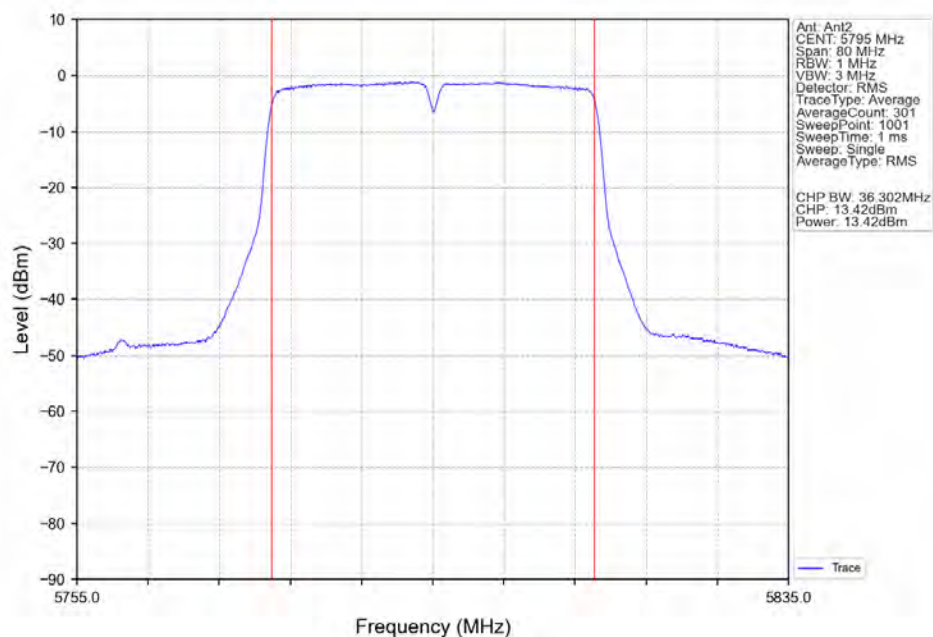
802.11ac(VHT40)_LCH_5755MHz_Ant5_NTNV



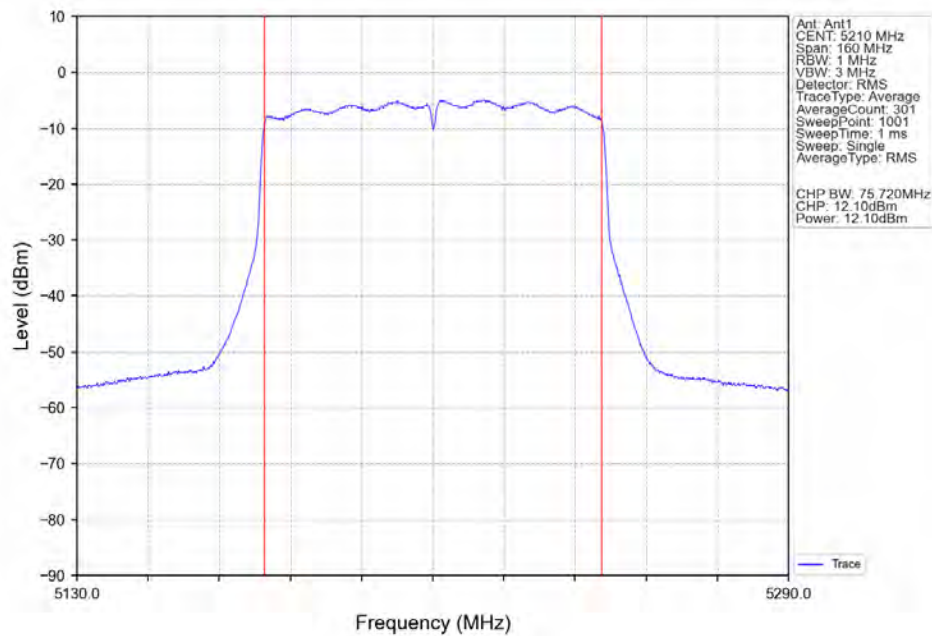
802.11ac(VHT40)_HCH_5795MHz_Ant1_NTNV



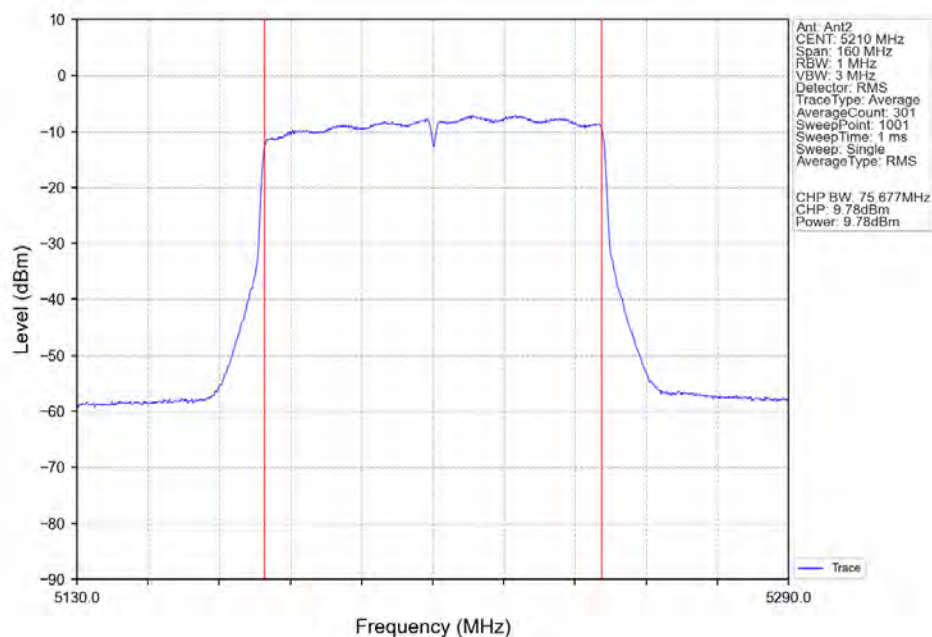
802.11ac(VHT40)_HCH_5795MHz_Ant5_NTNV



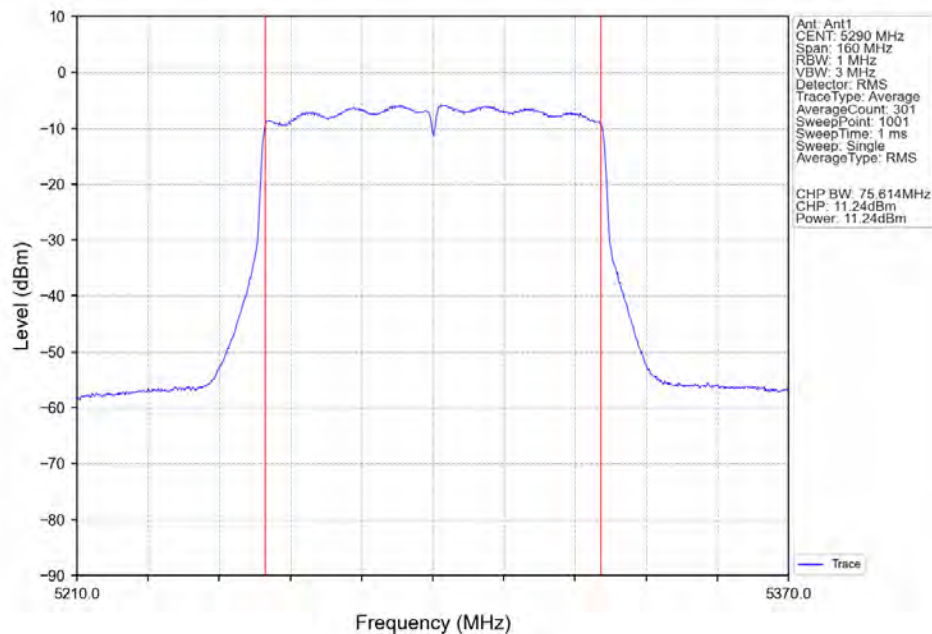
802.11ac(VHT80)_MCH_5210MHz_Ant1_NTNV



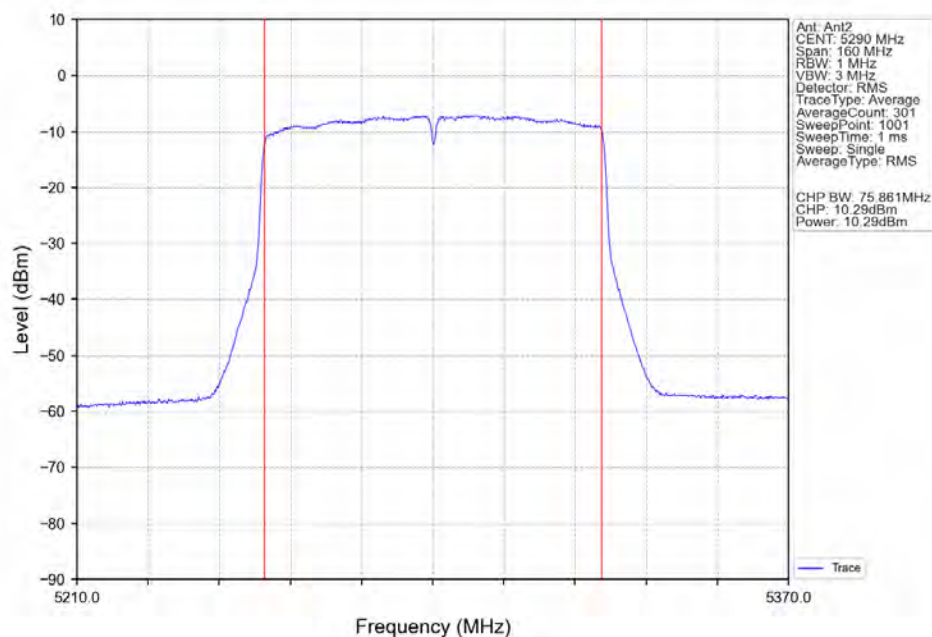
802.11ac(VHT80)_MCH_5210MHz_Ant5_NTNV



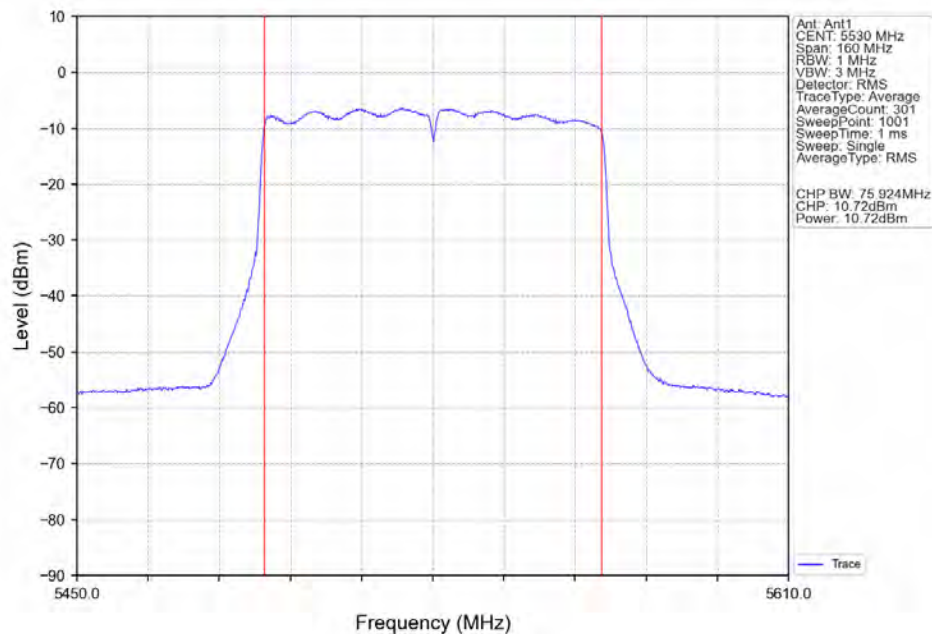
802.11ac(VHT80)_MCH_5290MHz_Ant1_NTNV



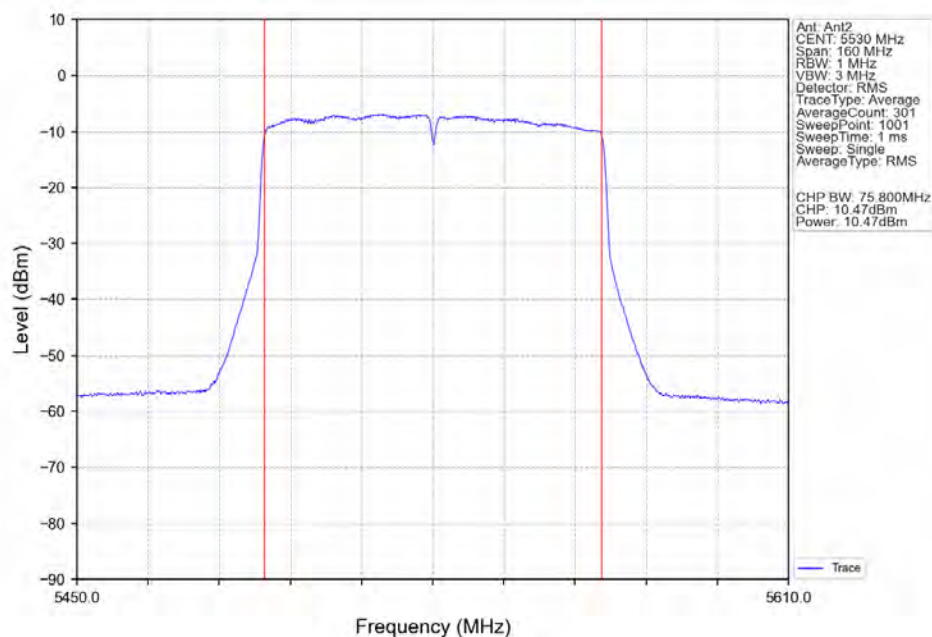
802.11ac(VHT80)_MCH_5290MHz_Ant5_NTNV



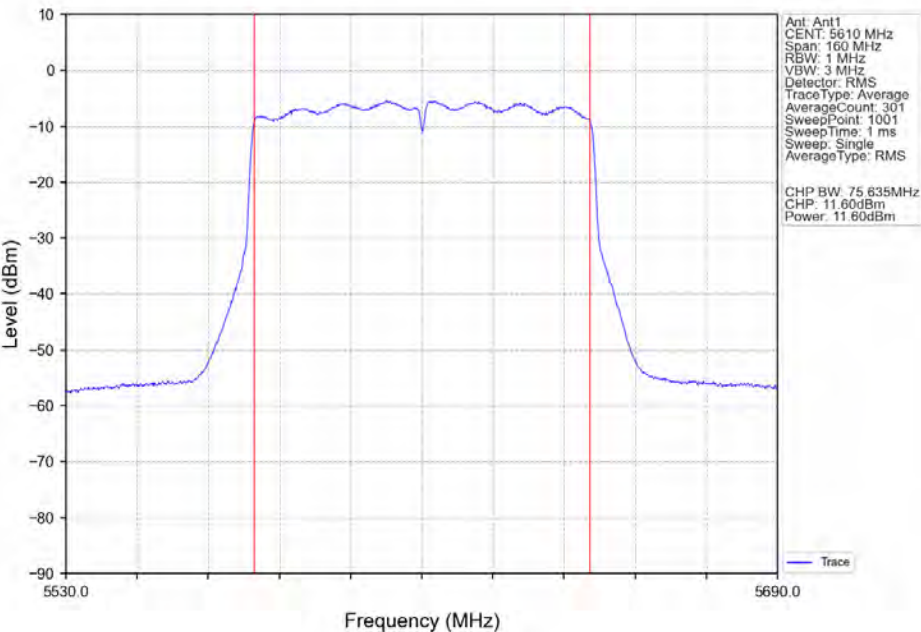
802.11ac(VHT80)_LCH_5530MHz_Ant1_NTNV



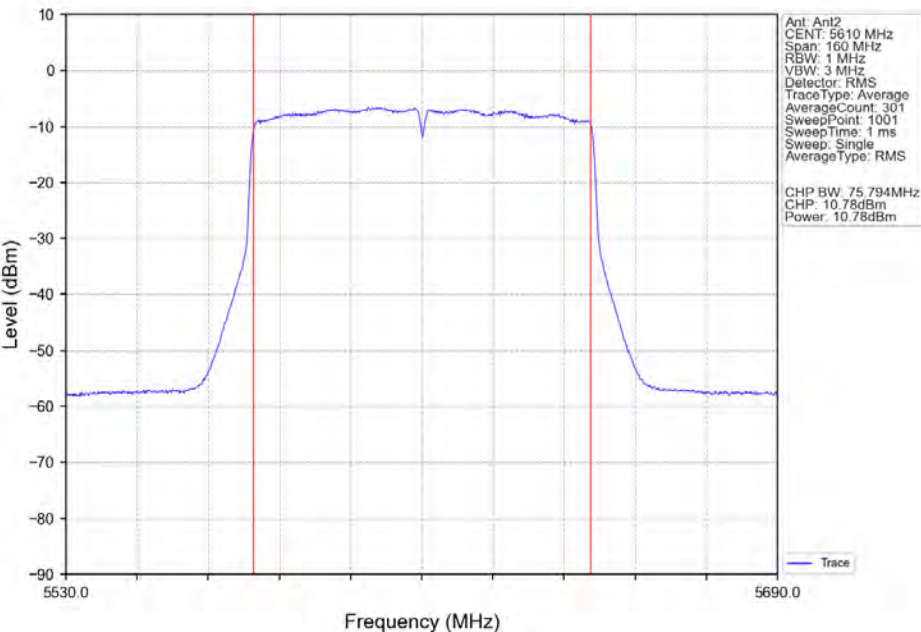
802.11ac(VHT80)_LCH_5530MHz_Ant5_NTNV



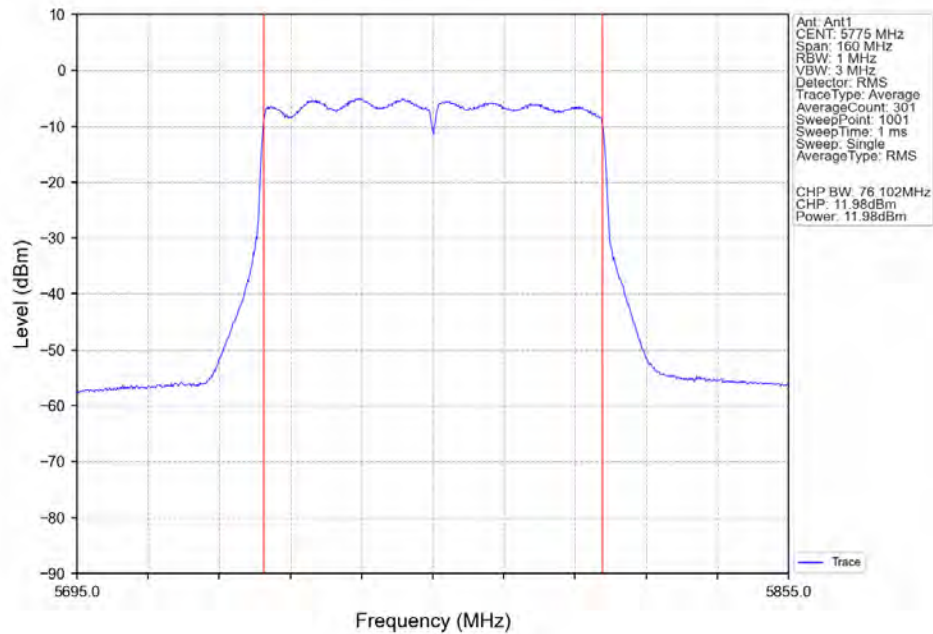
802.11ac(VHT80)_HCH_5610MHz_Ant1_NTNV



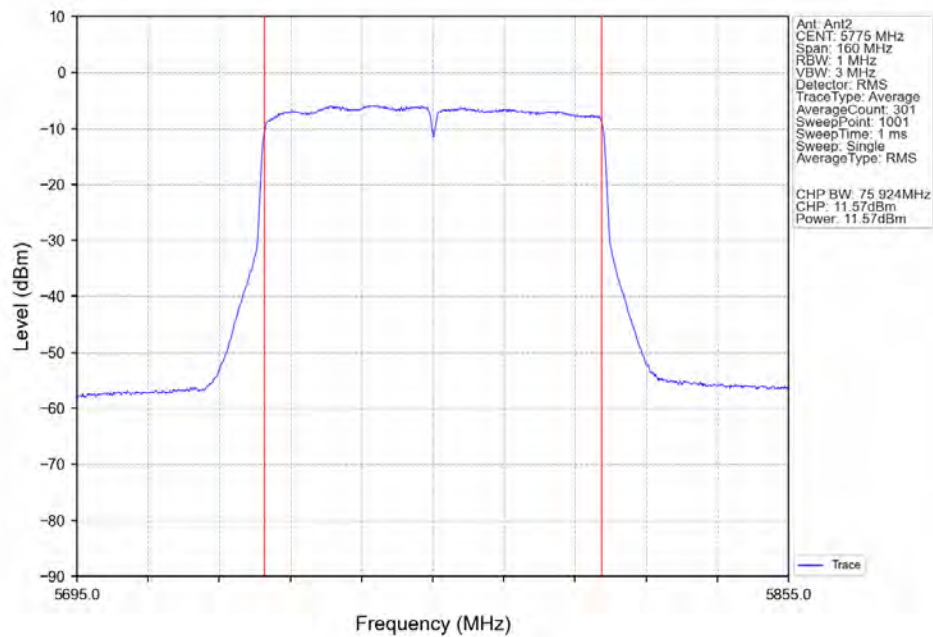
802.11ac(VHT80)_HCH_5610MHz_Ant5_NTNV



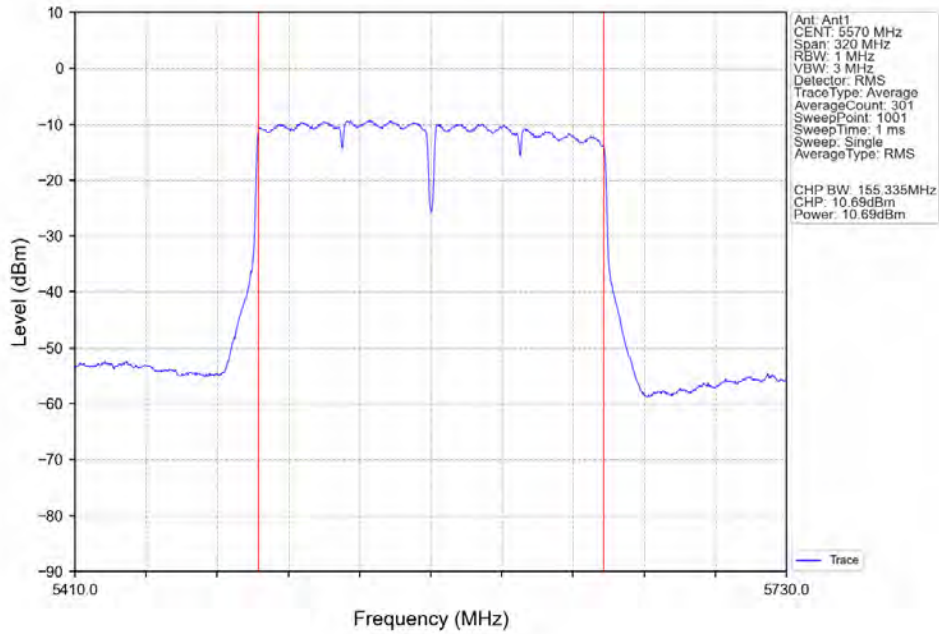
802.11ac(VHT80)_MCH_5775MHz_Ant1_NTNV



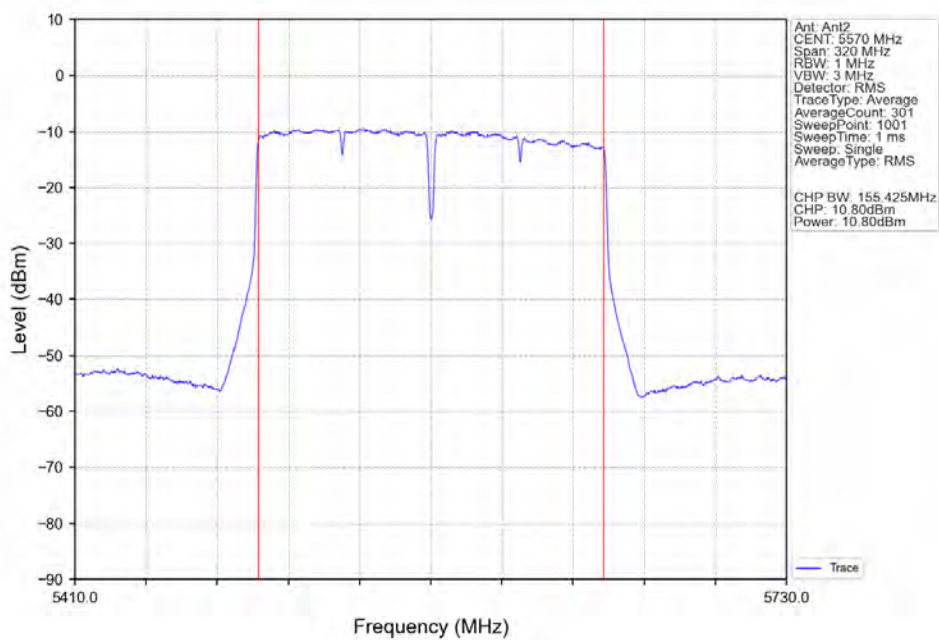
802.11ac(VHT80)_MCH_5775MHz_Ant5_NTNV



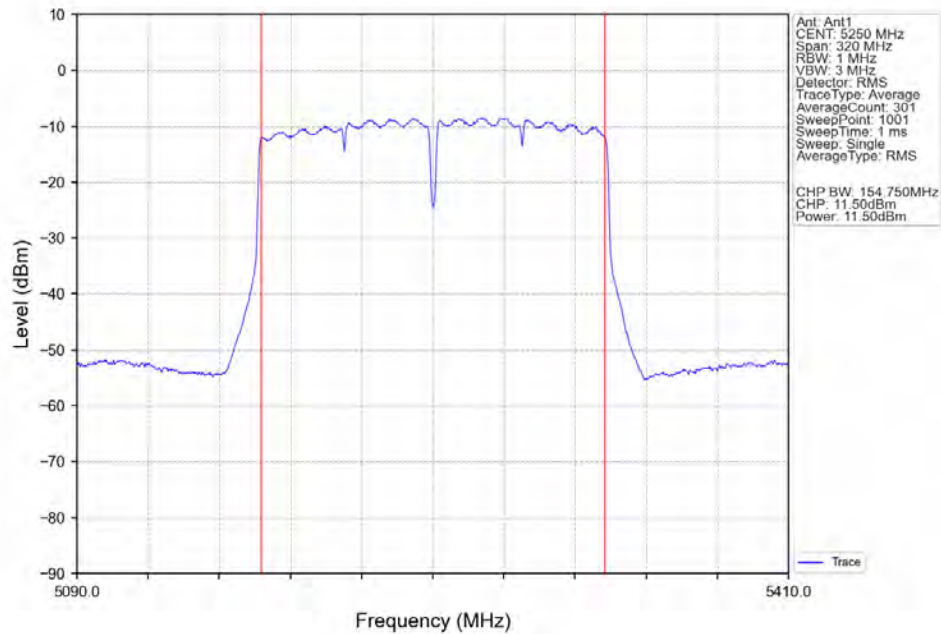
802.11ac(VHT160)_MCH_5570MHz_Ant1_NTNV



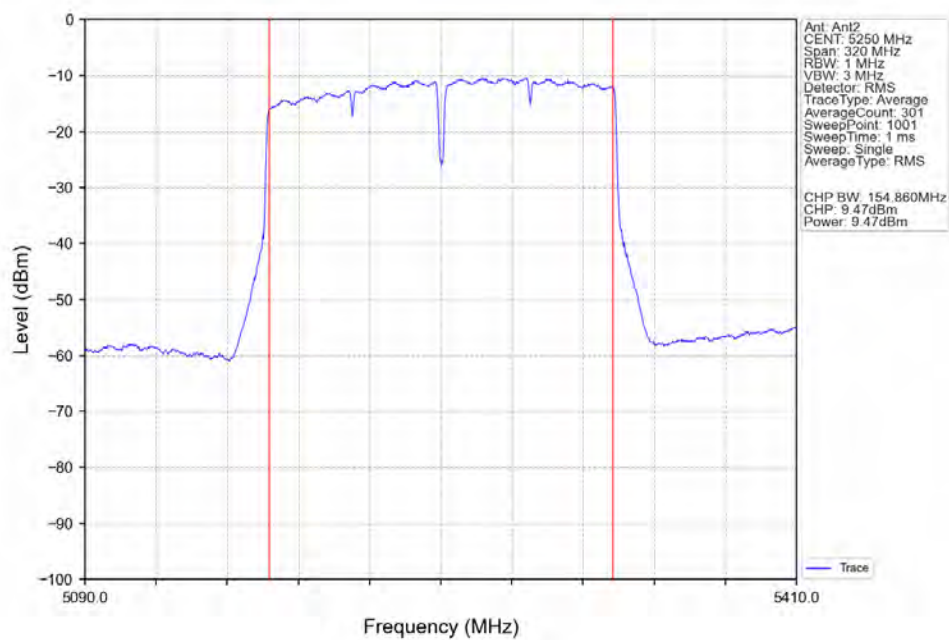
802.11ac(VHT160)_MCH_5570MHz_Ant5_NTNV



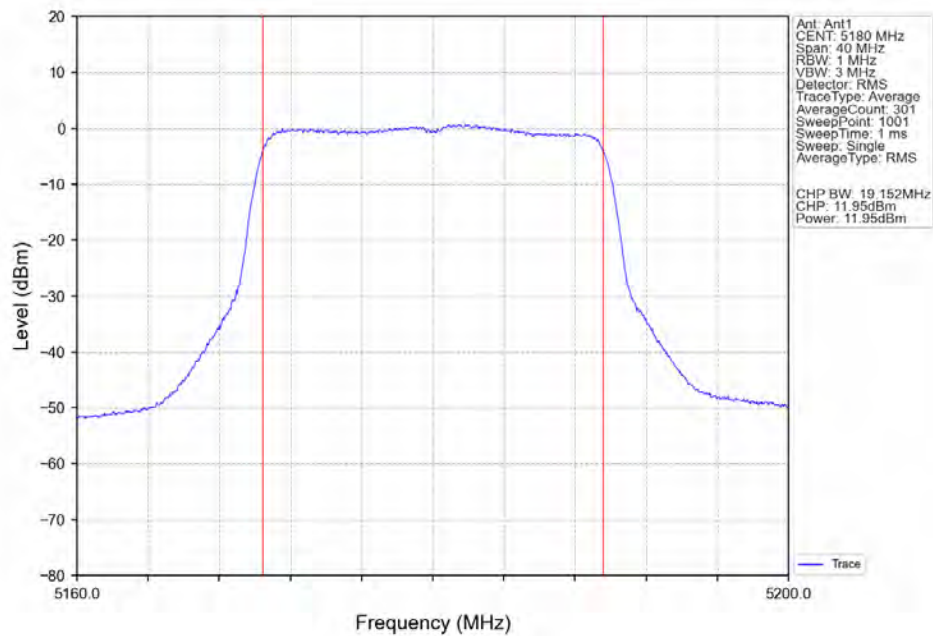
802.11ac(VHT160)_MCH_5250MHz_Ant1_NTNV



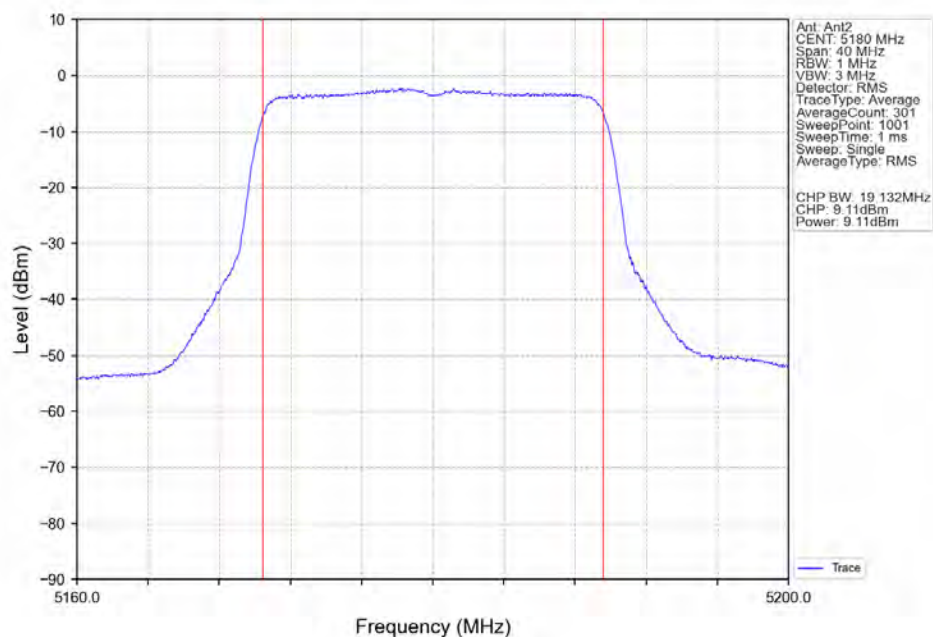
802.11ac(VHT160)_MCH_5250MHz_Ant5_NTNV



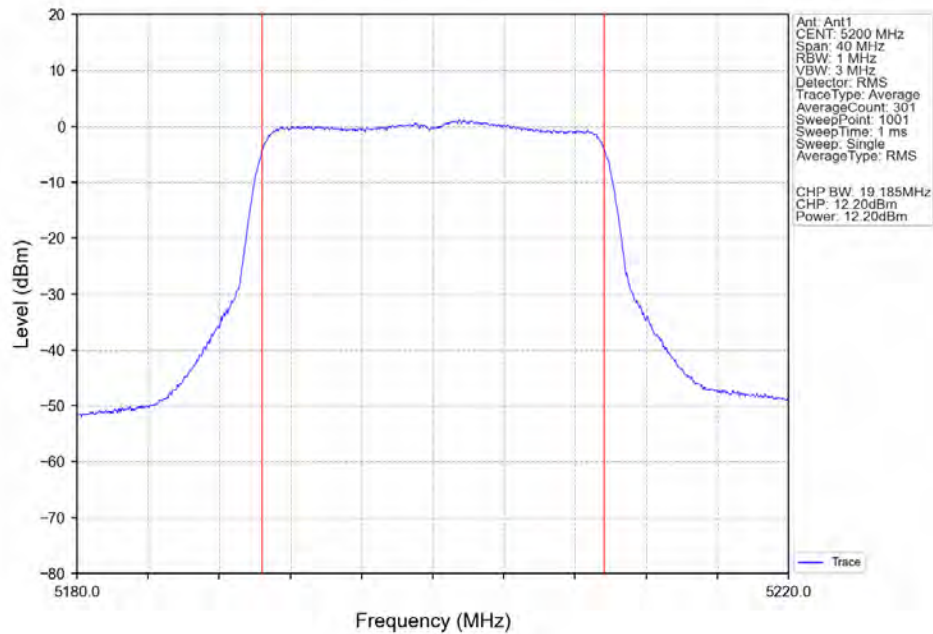
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant1_NTNV



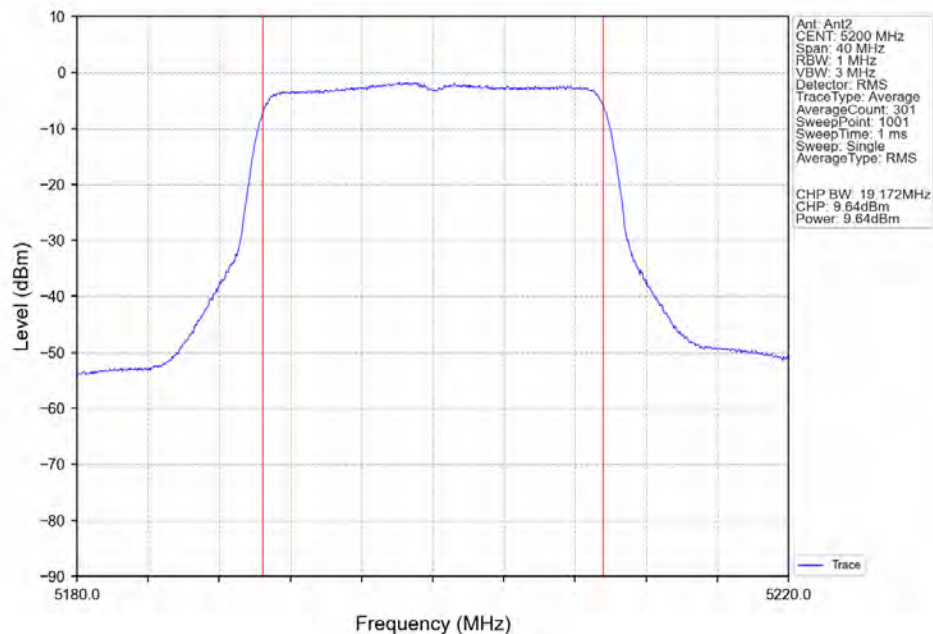
802.11ax(HEW20)_LCH_5180MHz_RU242_Left_Ant5_NTNV



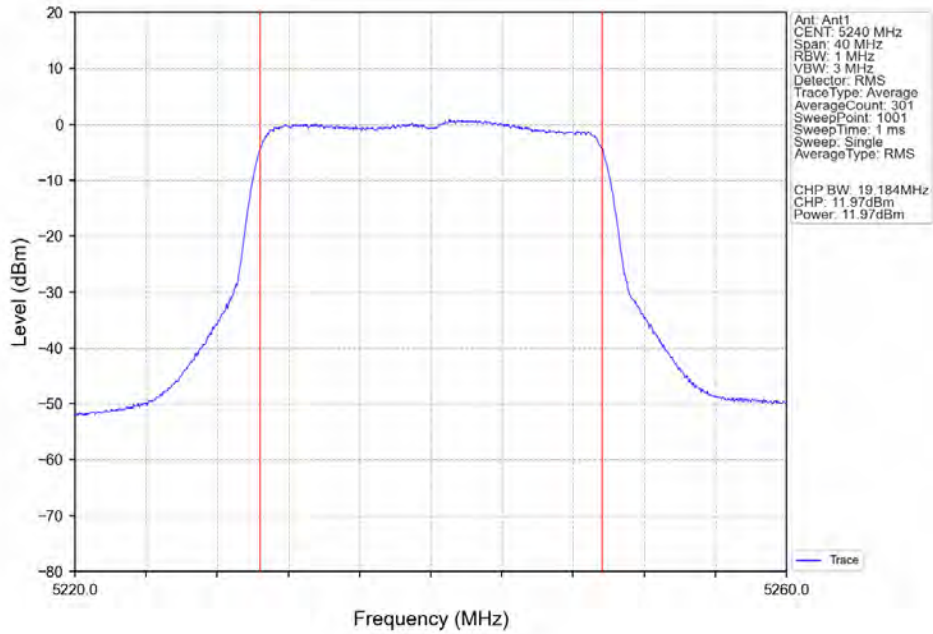
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant1_NTNV



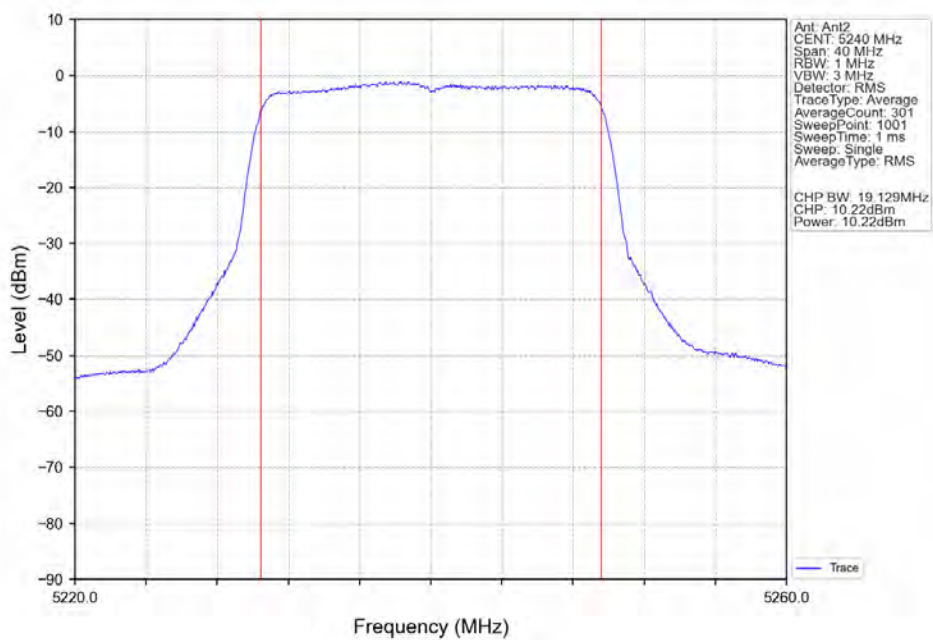
802.11ax(HEW20)_MCH_5200MHz_RU242_Left_Ant5_NTNV



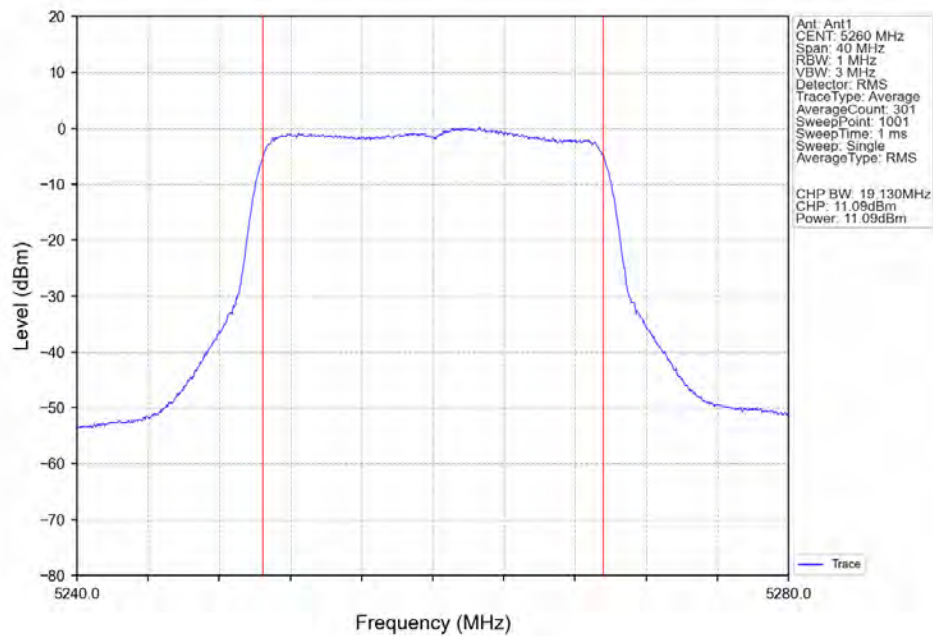
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant1_NTNV



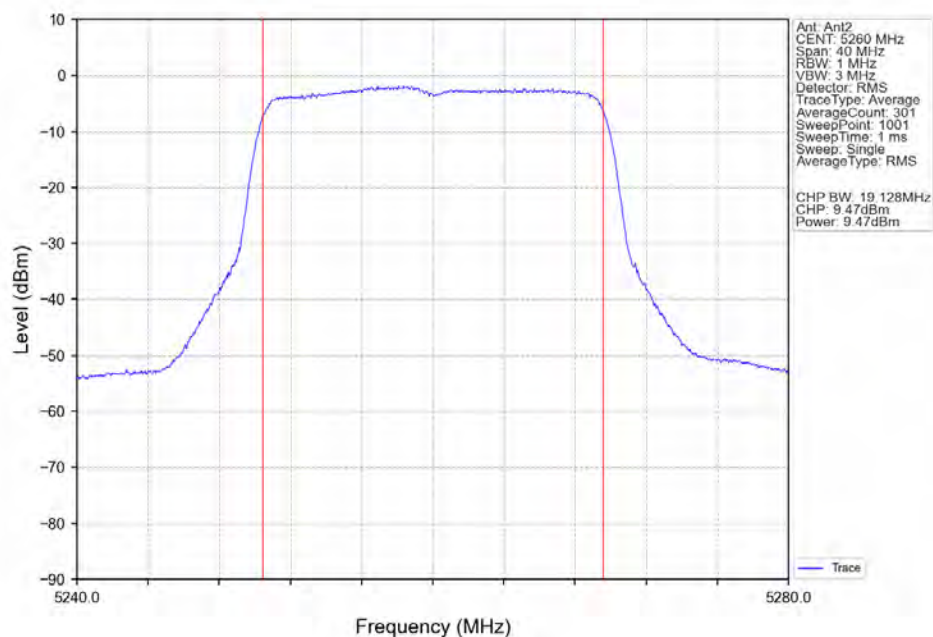
802.11ax(HEW20)_HCH_5240MHz_RU242_Left_Ant5_NTNV



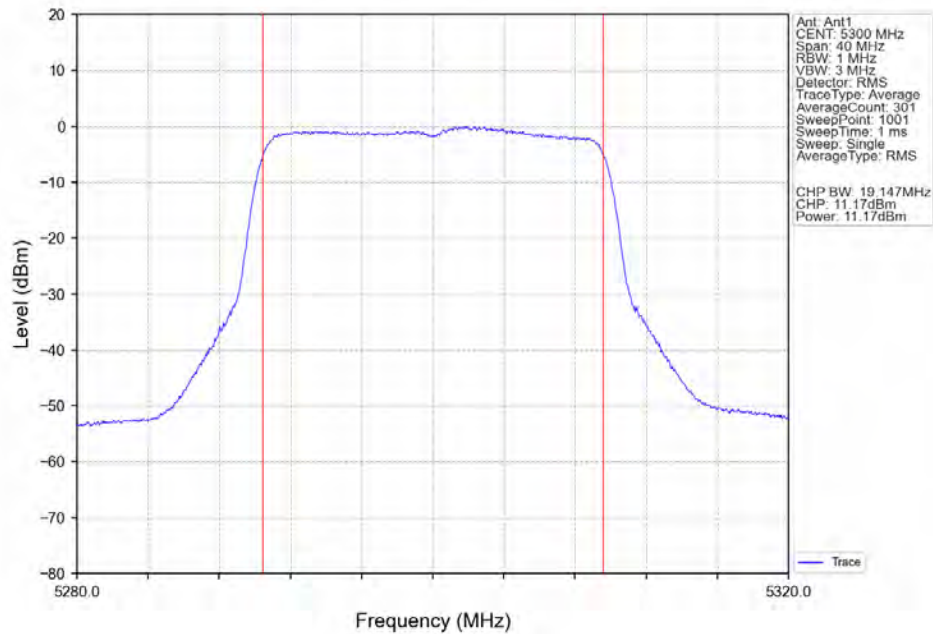
802.11ax(HEW20)_LCH_5260MHz_RU242_Left_Ant1_NTNV



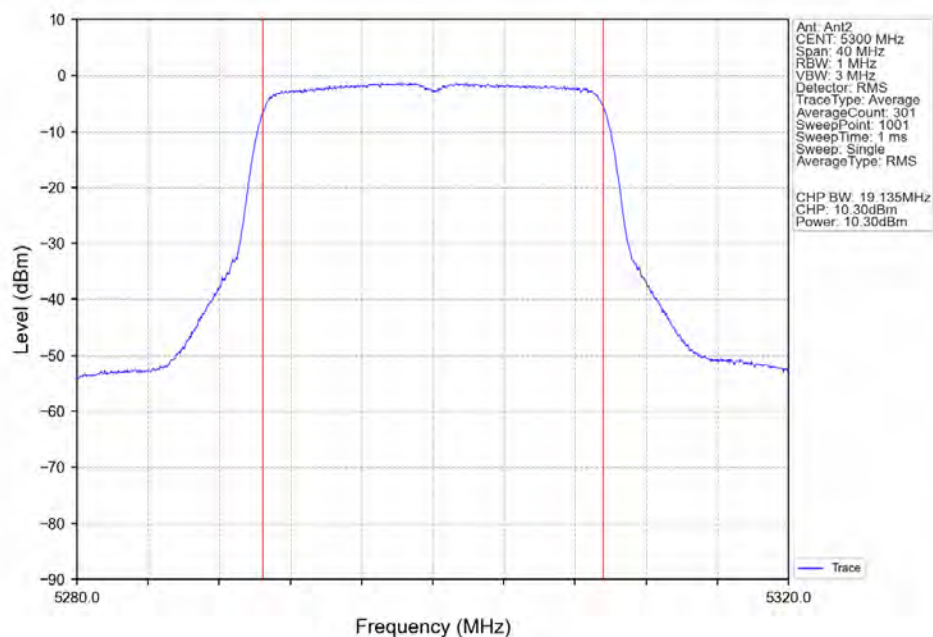
802.11ax(HEW20)_LCH_5260MHz_RU242_Left_Ant5_NTNV



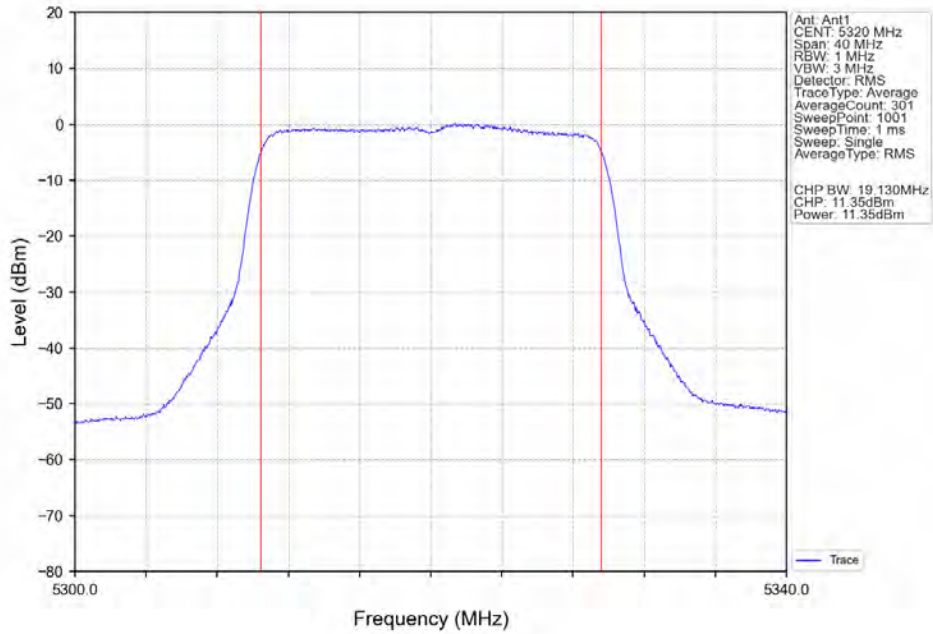
802.11ax(HEW20)_MCH_5300MHz_RU242_Left_Ant1_NTNV



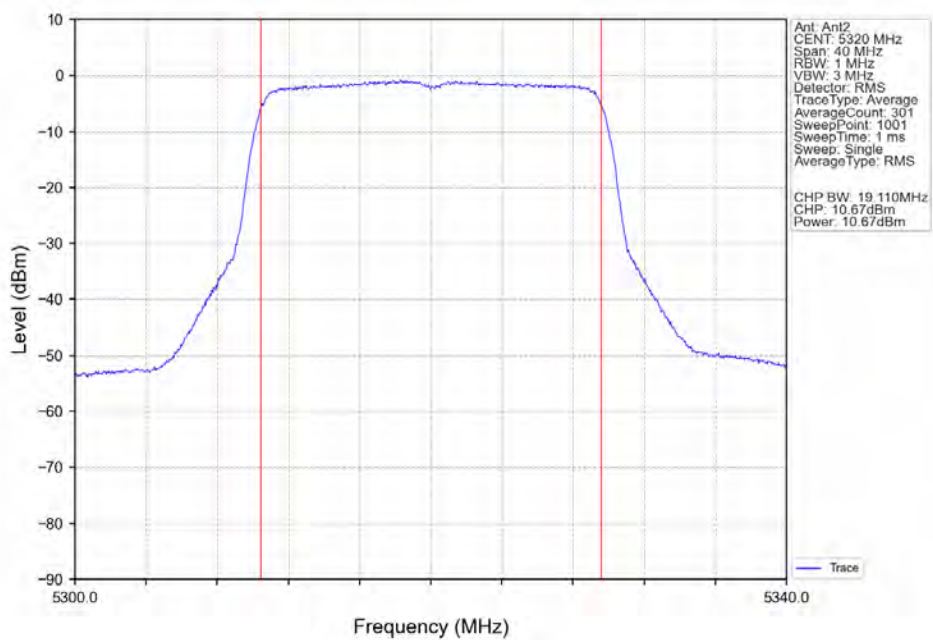
802.11ax(HEW20)_MCH_5300MHz_RU242_Left_Ant5_NTNV



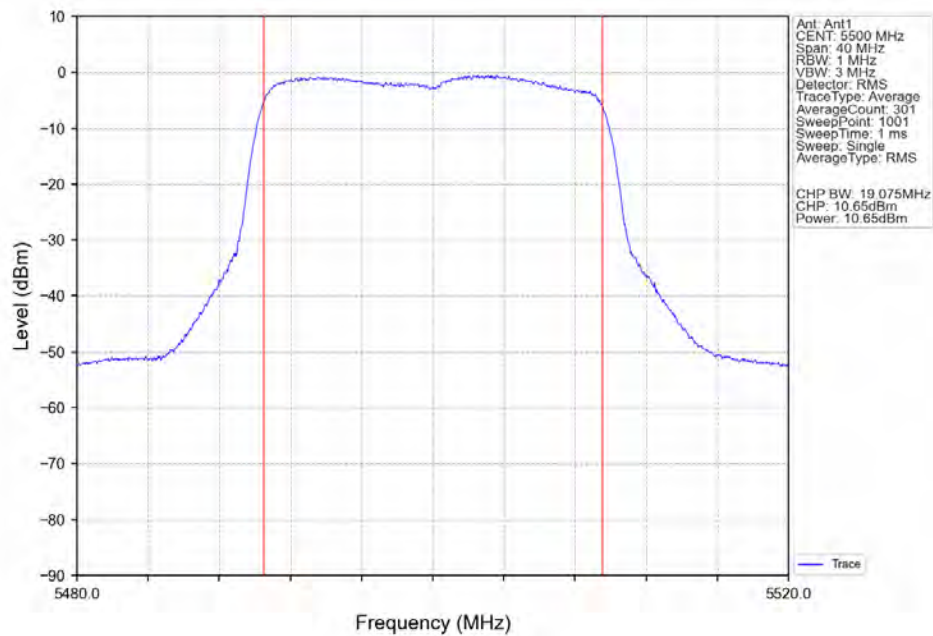
802.11ax(HEW20)_HCH_5320MHz_RU242_Left_Ant1_NTNV



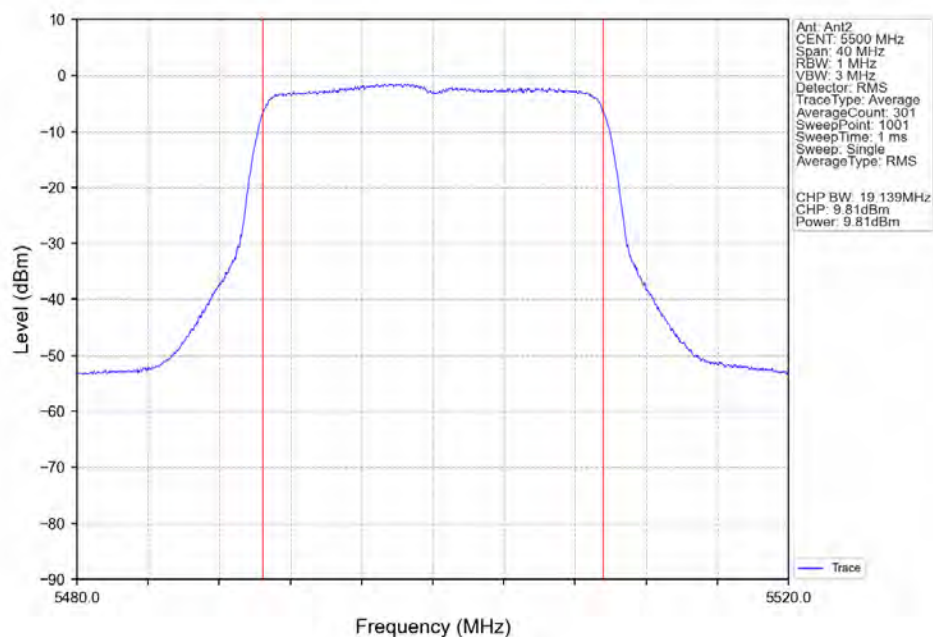
802.11ax(HEW20)_HCH_5320MHz_RU242_Left_Ant5_NTNV



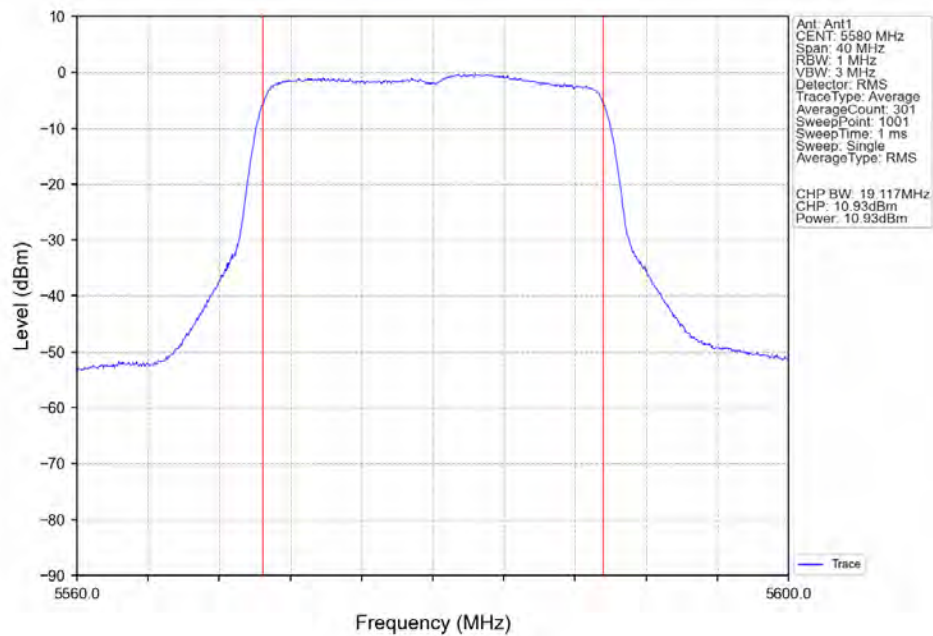
802.11ax(HEW20)_LCH_5500MHz_RU242_Left_Ant1_NTNV



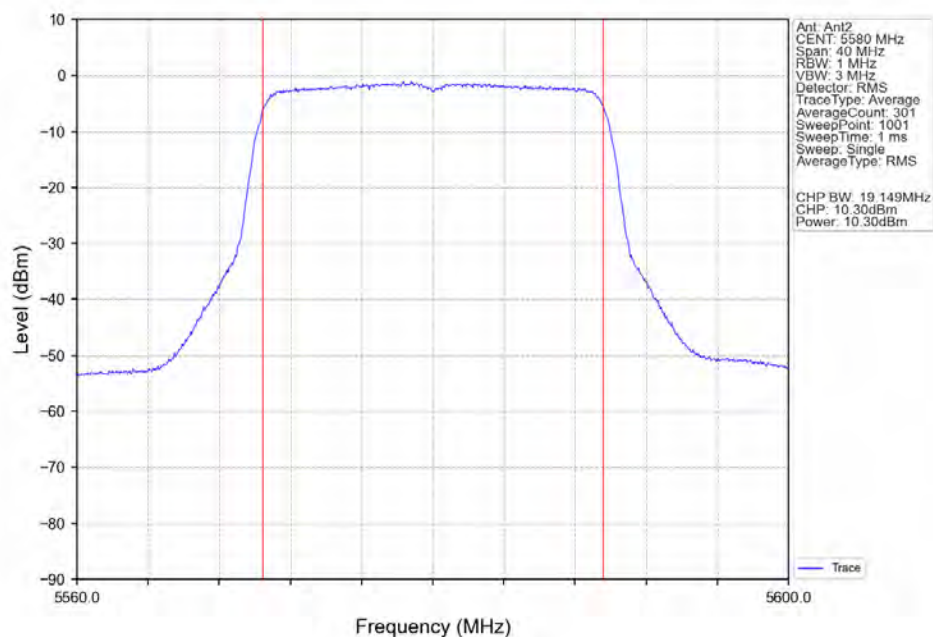
802.11ax(HEW20)_LCH_5500MHz_RU242_Left_Ant5_NTNV



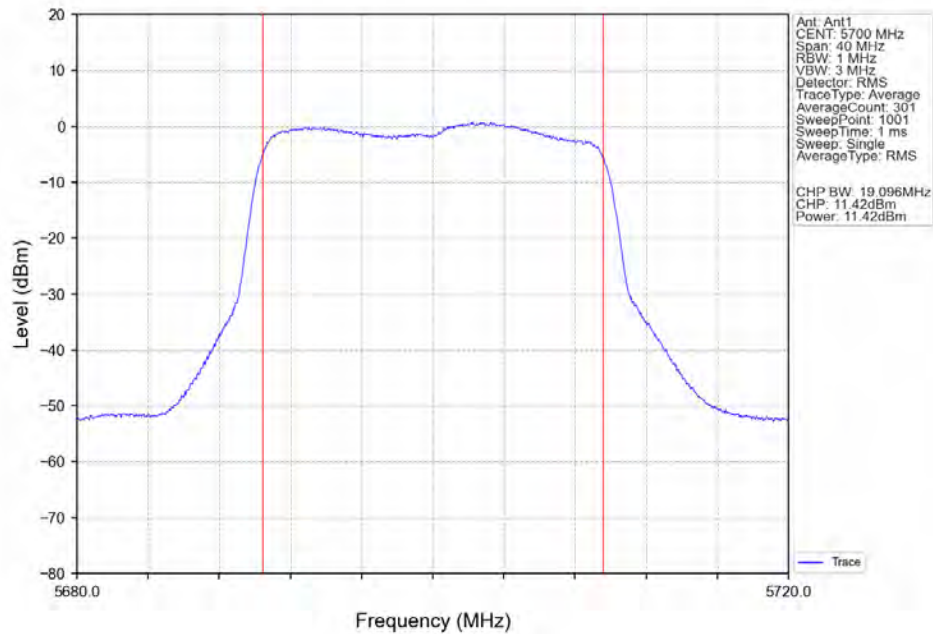
802.11ax(HEW20)_MCH_5580MHz_RU242_Left_Ant1_NTNV



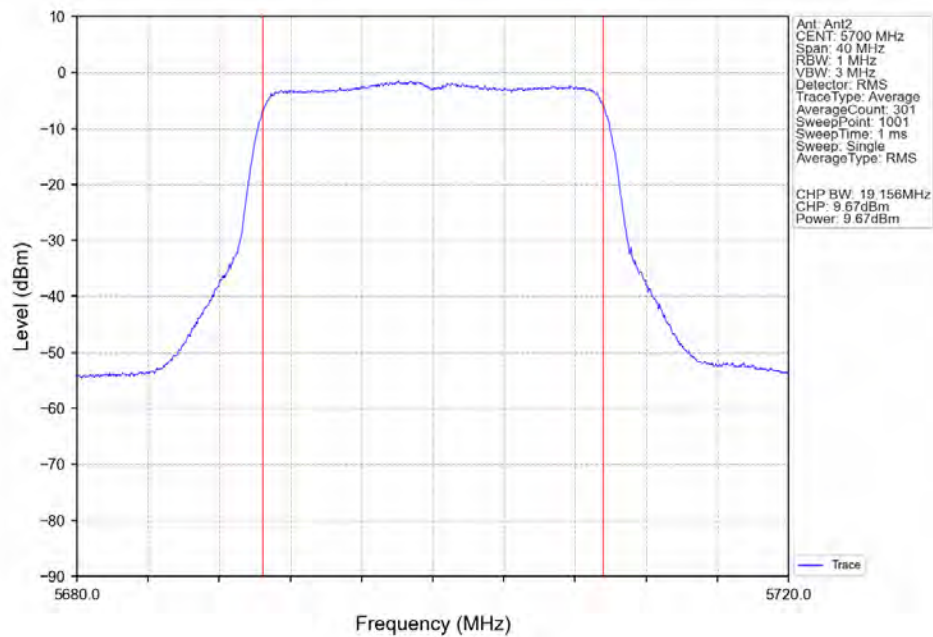
802.11ax(HEW20)_MCH_5580MHz_RU242_Left_Ant5_NTNV



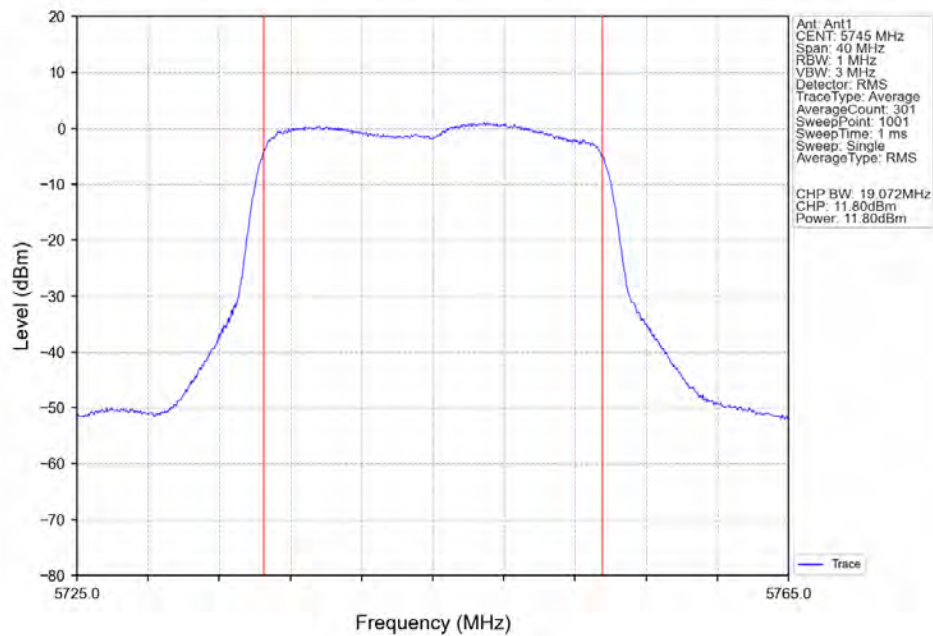
802.11ax(HEW20)_HCH_5700MHz_RU242_Left_Ant1_NTNV



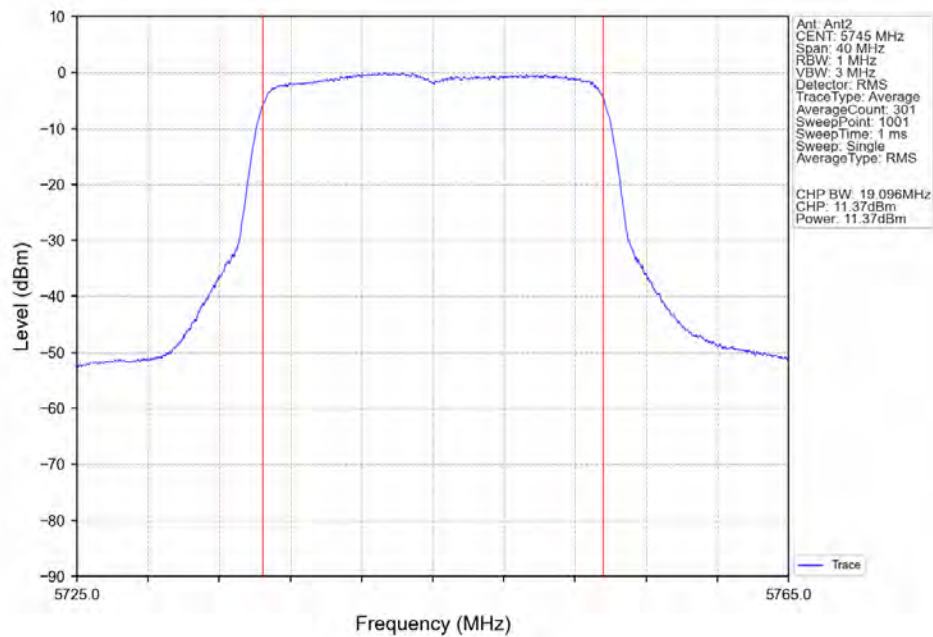
802.11ax(HEW20)_HCH_5700MHz_RU242_Left_Ant5_NTNV



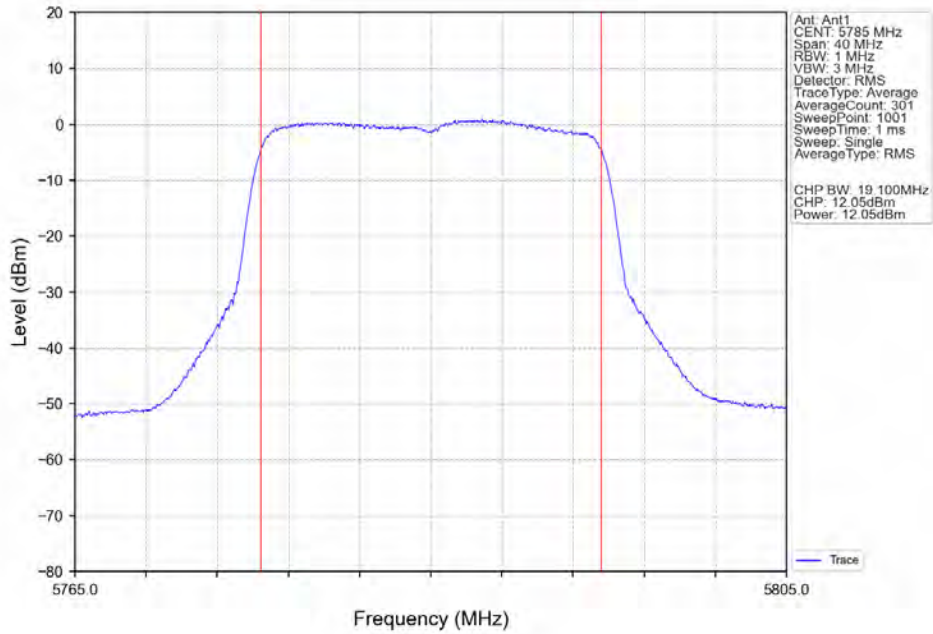
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant1_NTNV



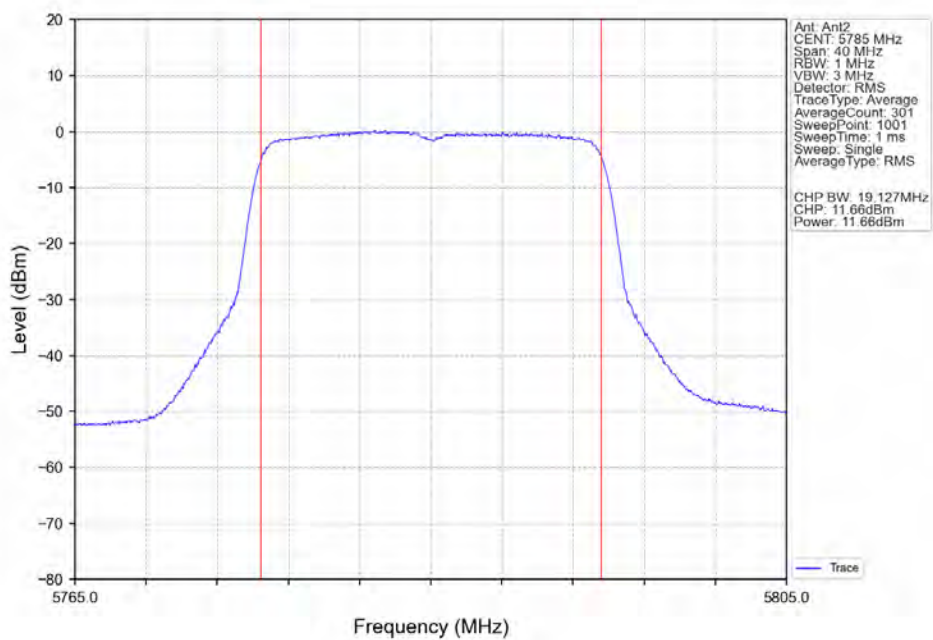
802.11ax(HEW20)_LCH_5745MHz_RU242_Left_Ant5_NTNV



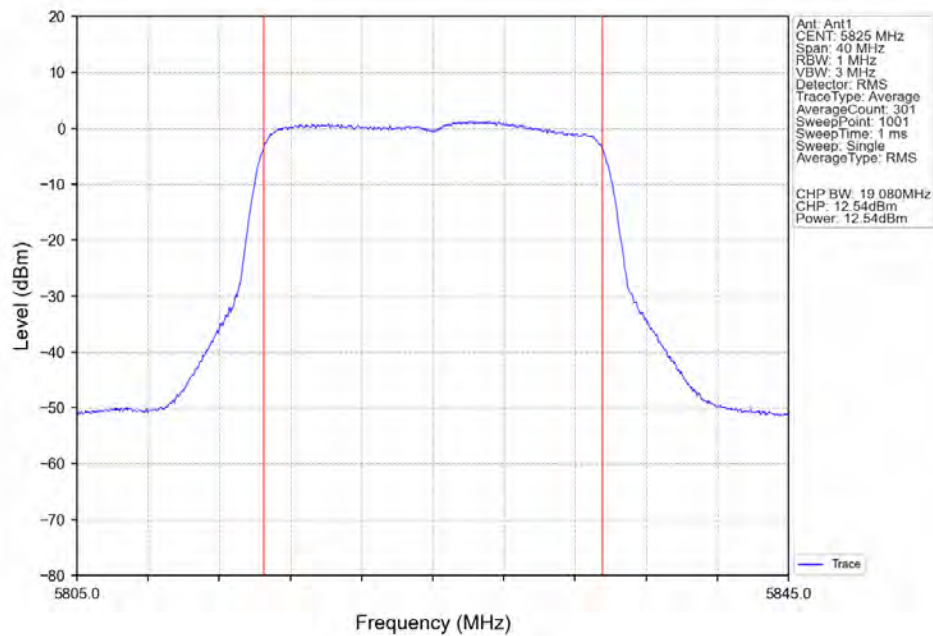
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant1_NTNV



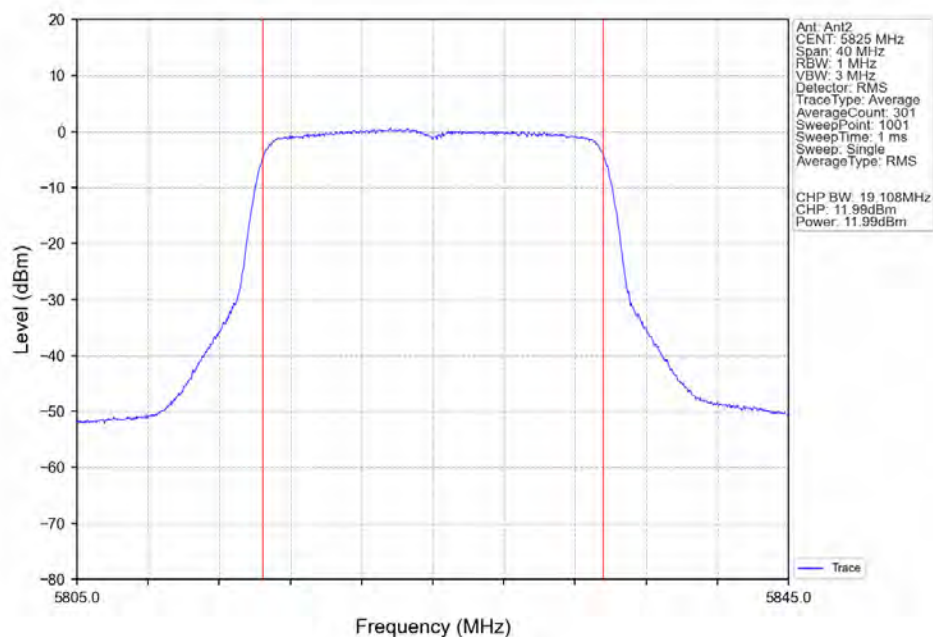
802.11ax(HEW20)_MCH_5785MHz_RU242_Left_Ant5_NTNV



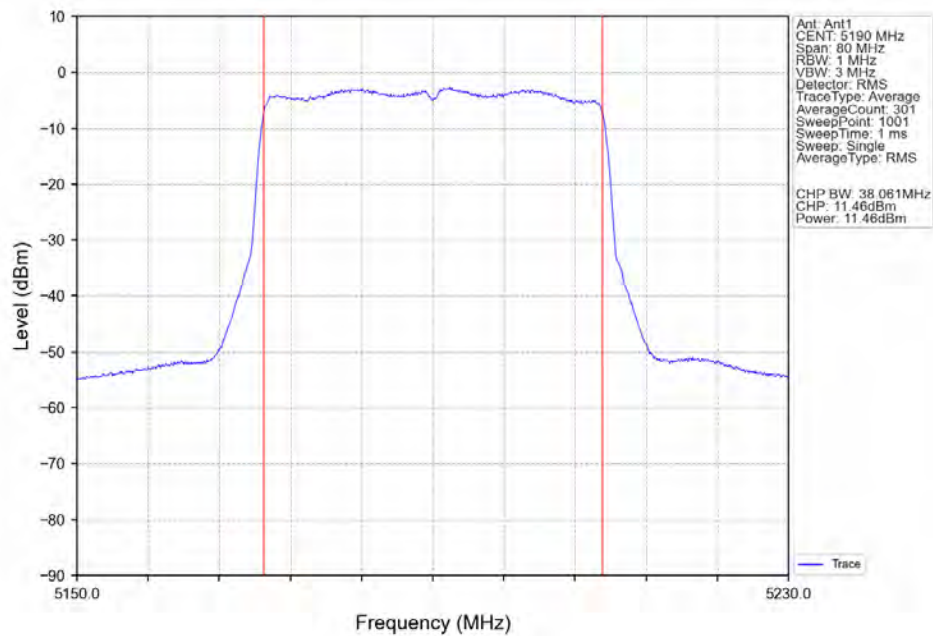
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant1_NTNV



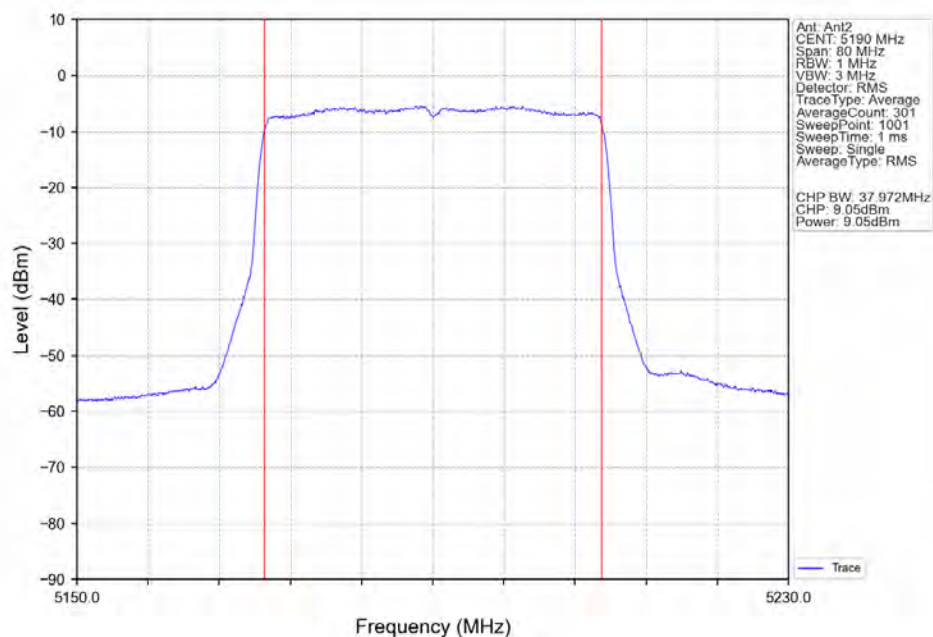
802.11ax(HEW20)_HCH_5825MHz_RU242_Left_Ant5_NTNV



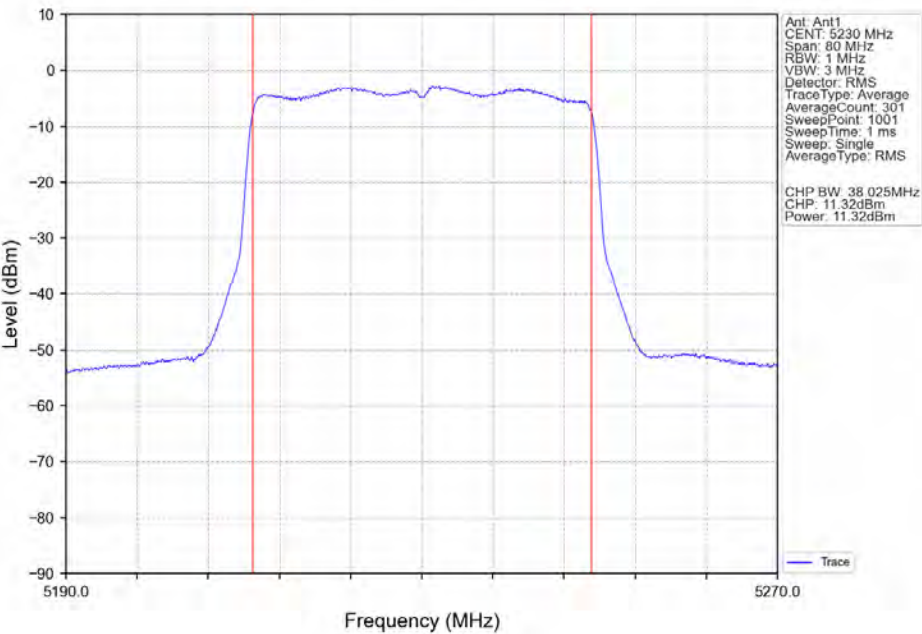
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant1_NTNV



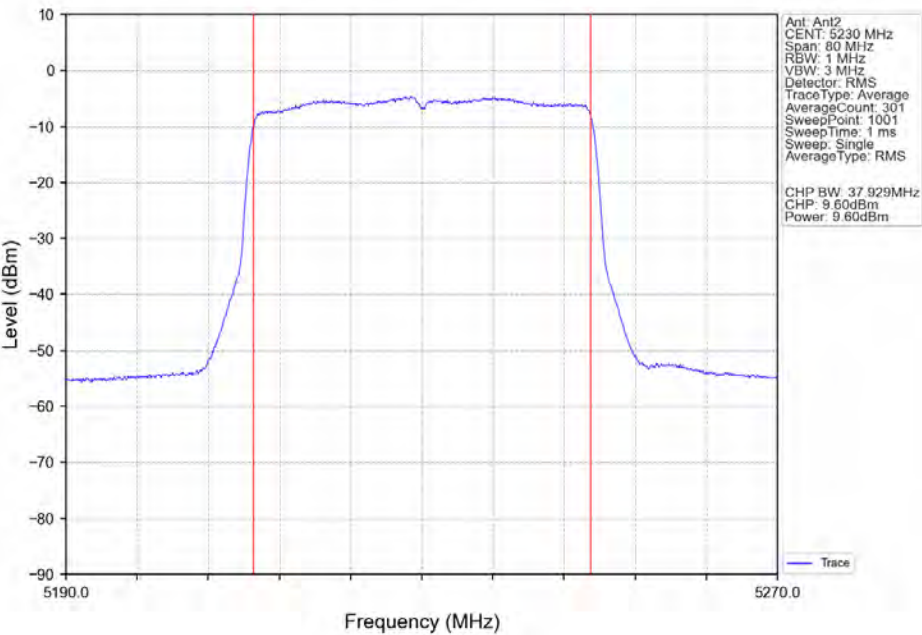
802.11ax(HEW40)_LCH_5190MHz_RU484_Left_Ant5_NTNV



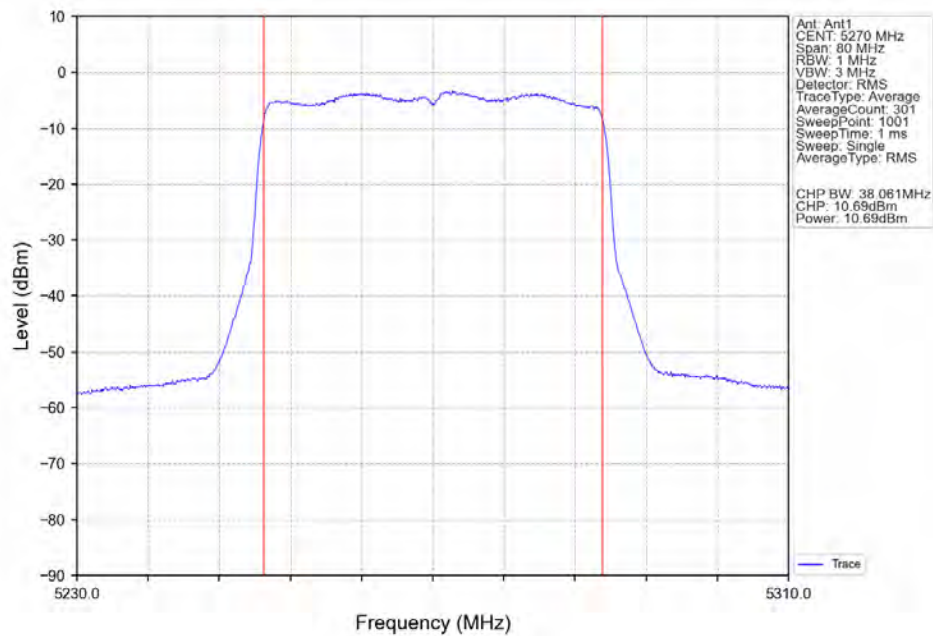
802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant1_NTNV



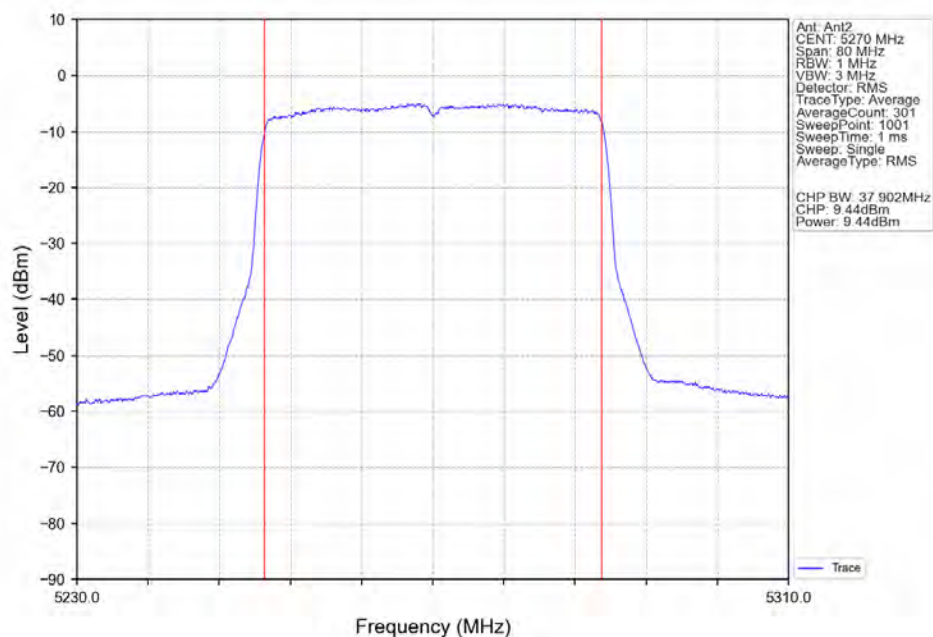
802.11ax(HEW40)_HCH_5230MHz_RU484_Left_Ant5_NTNV



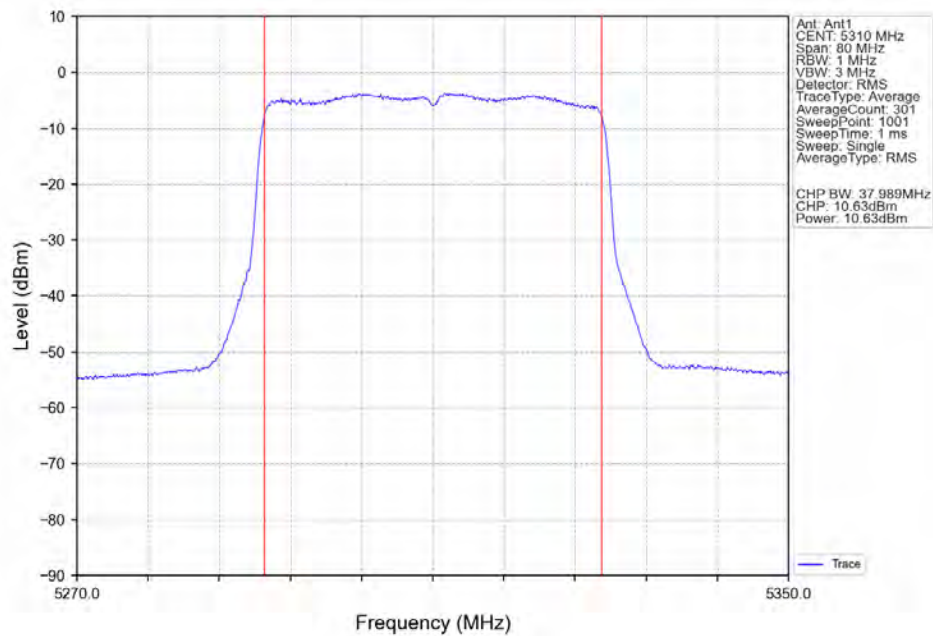
802.11ax(HEW40)_LCH_5270MHz_RU484_Left_Ant1_NTNV



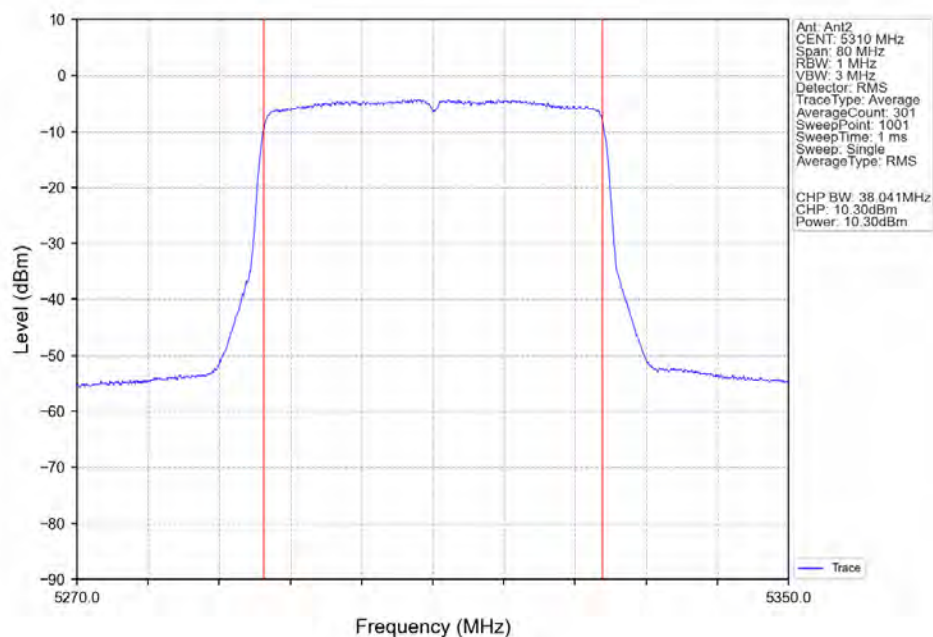
802.11ax(HEW40)_LCH_5270MHz_RU484_Left_Ant5_NTNV



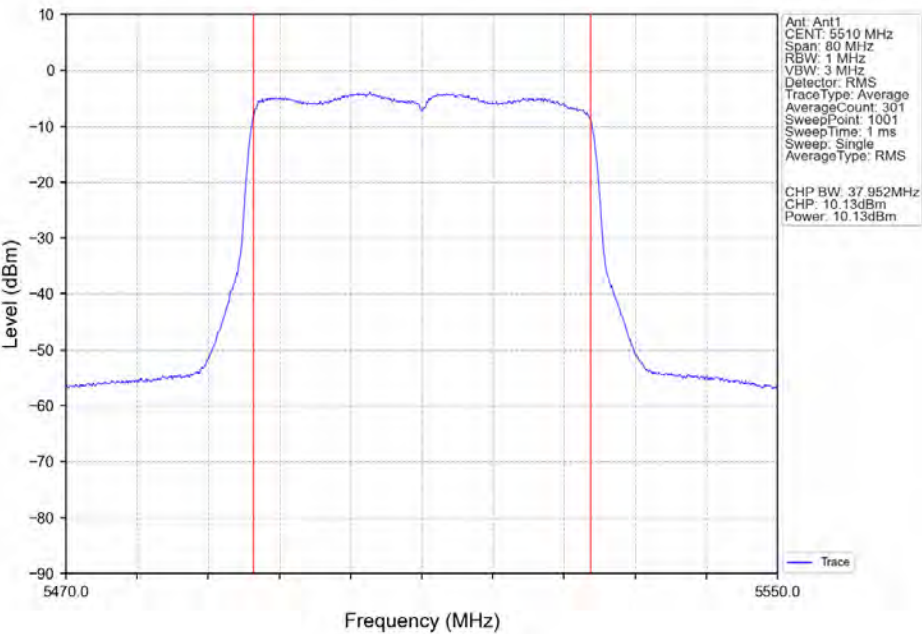
802.11ax(HEW40)_HCH_5310MHz_RU484_Left_Ant1_NTNV



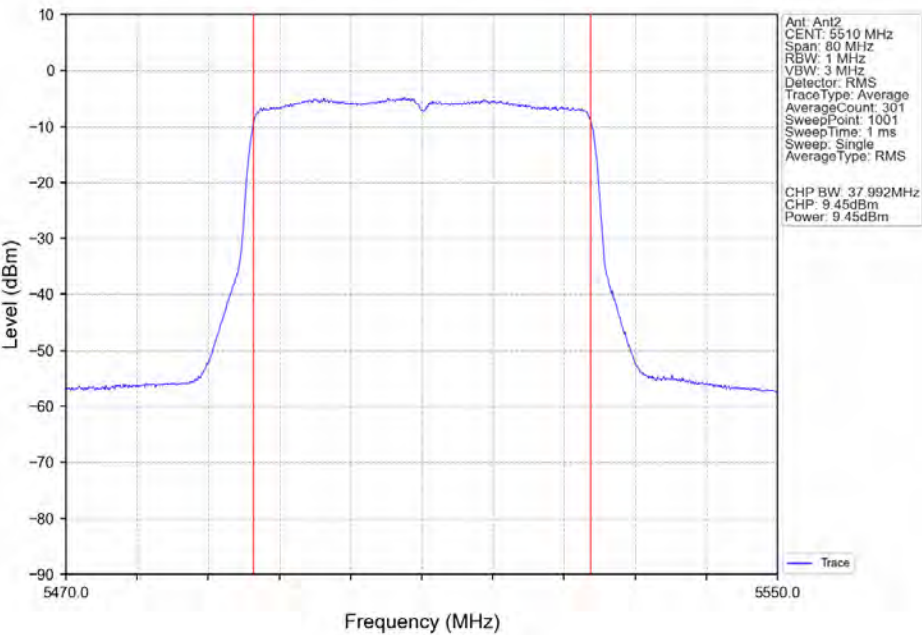
802.11ax(HEW40)_HCH_5310MHz_RU484_Left_Ant5_NTNV



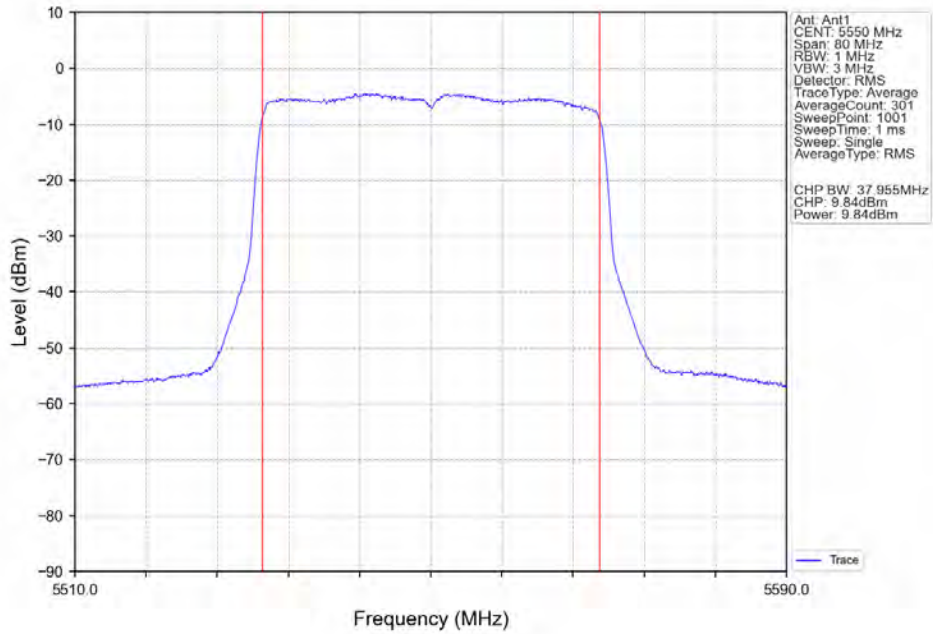
802.11ax(HEW40)_LCH_5510MHz_RU484_Left_Ant1_NTNV



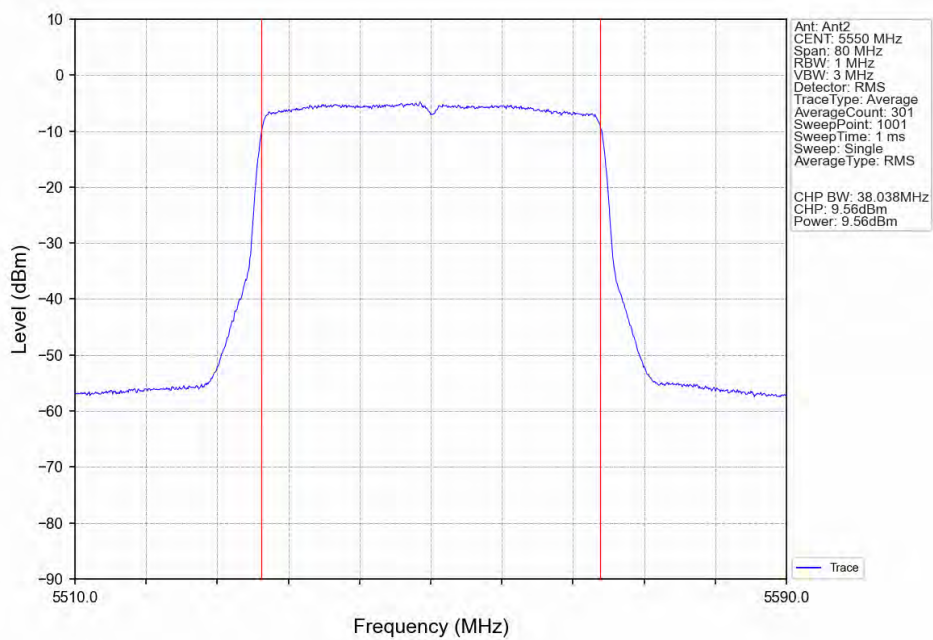
802.11ax(HEW40)_LCH_5510MHz_RU484_Left_Ant5_NTNV



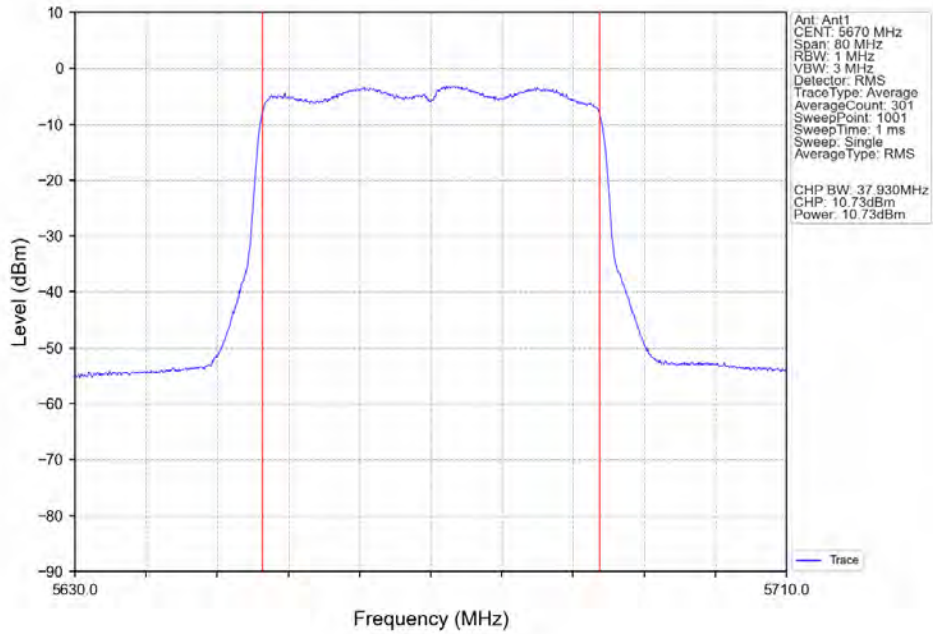
802.11ax(HEW40)_MCH_5550MHz_RU484_Left_Ant1_NTNV



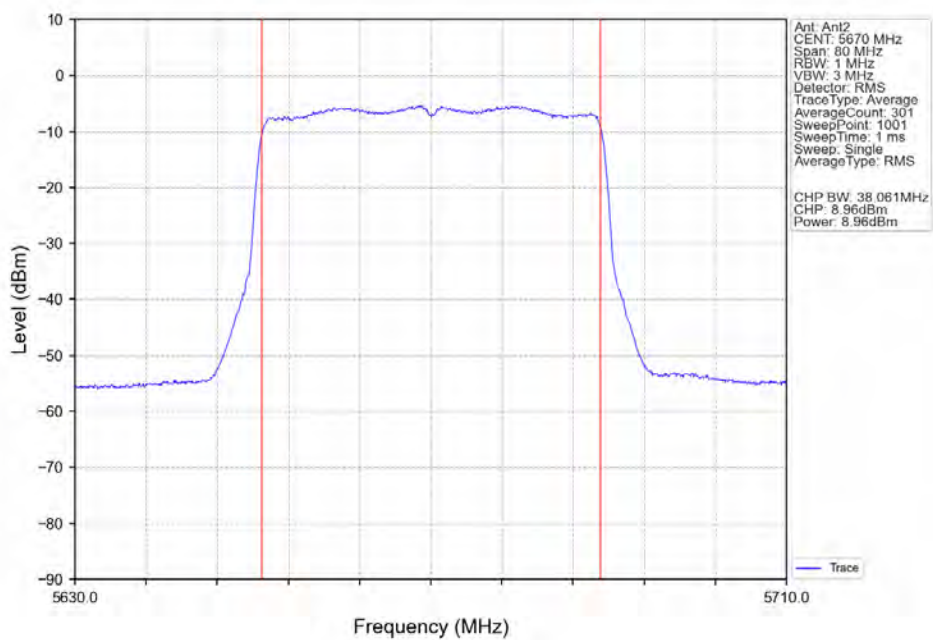
802.11ax(HEW40)_MCH_5550MHz_RU484_Left_Ant5_NTNV



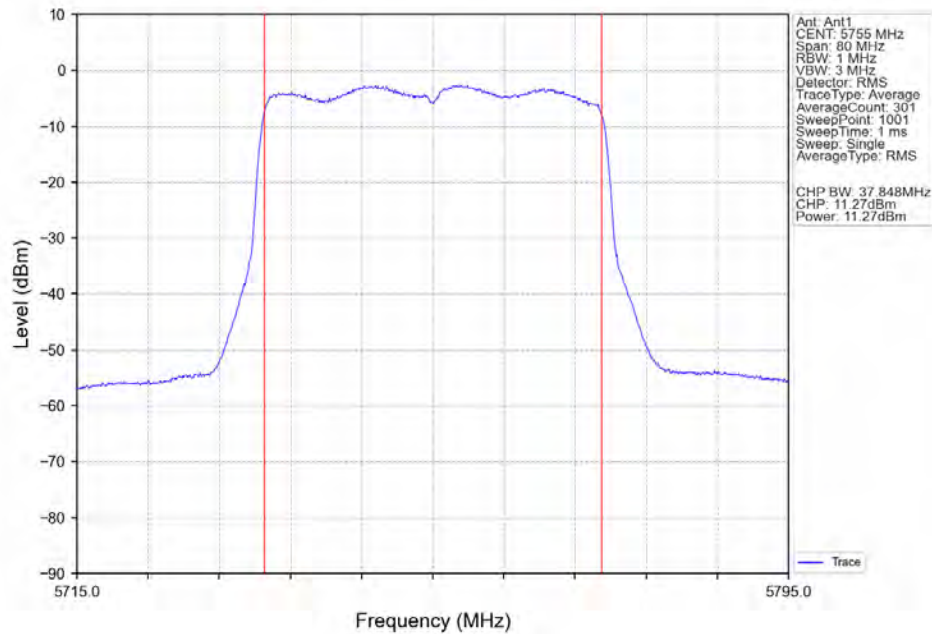
802.11ax(HEW40)_HCH_5670MHz_RU484_Left_Ant1_NTNV



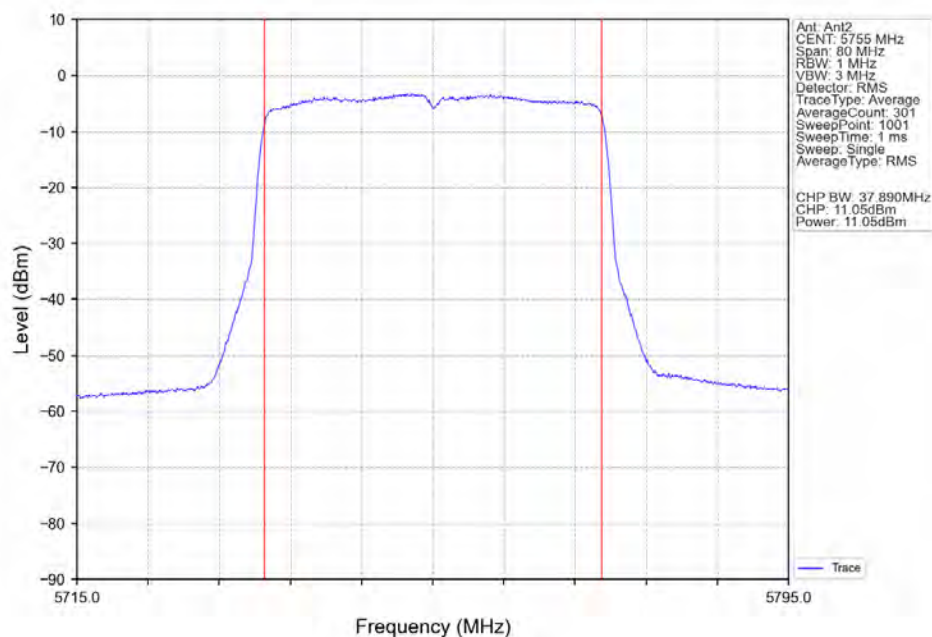
802.11ax(HEW40)_HCH_5670MHz_RU484_Left_Ant5_NTNV



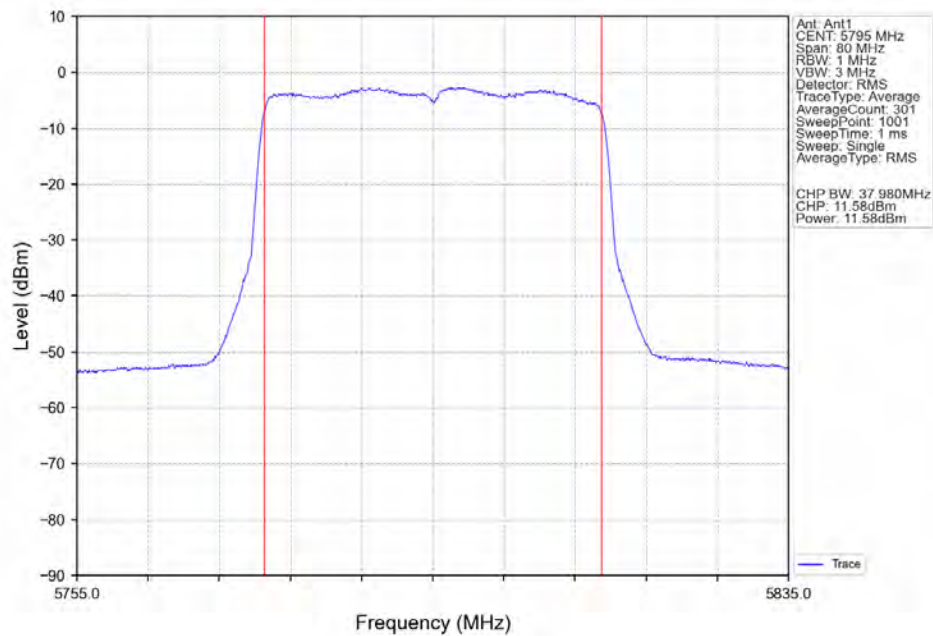
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant1_NTNV



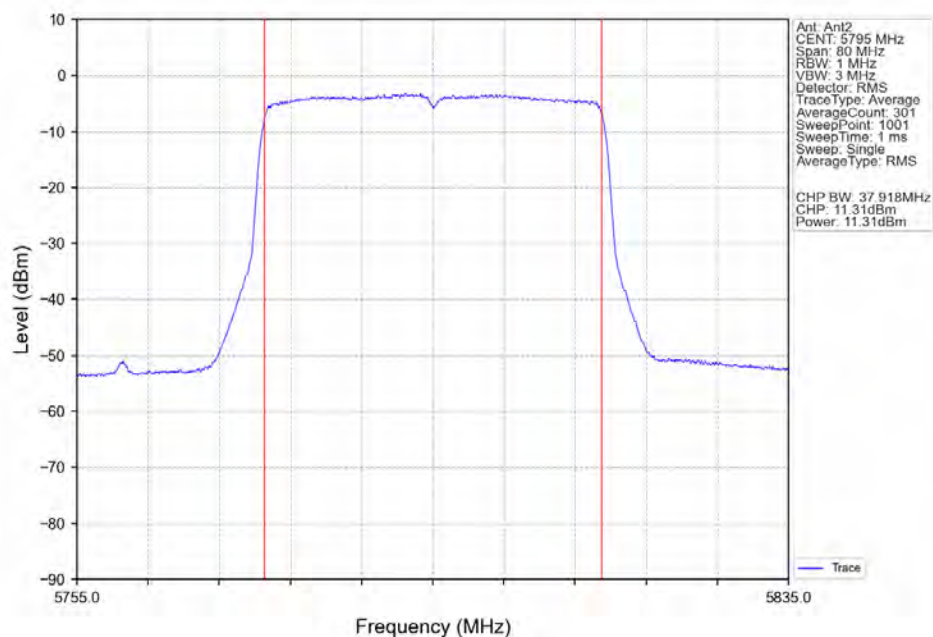
802.11ax(HEW40)_LCH_5755MHz_RU484_Left_Ant5_NTNV



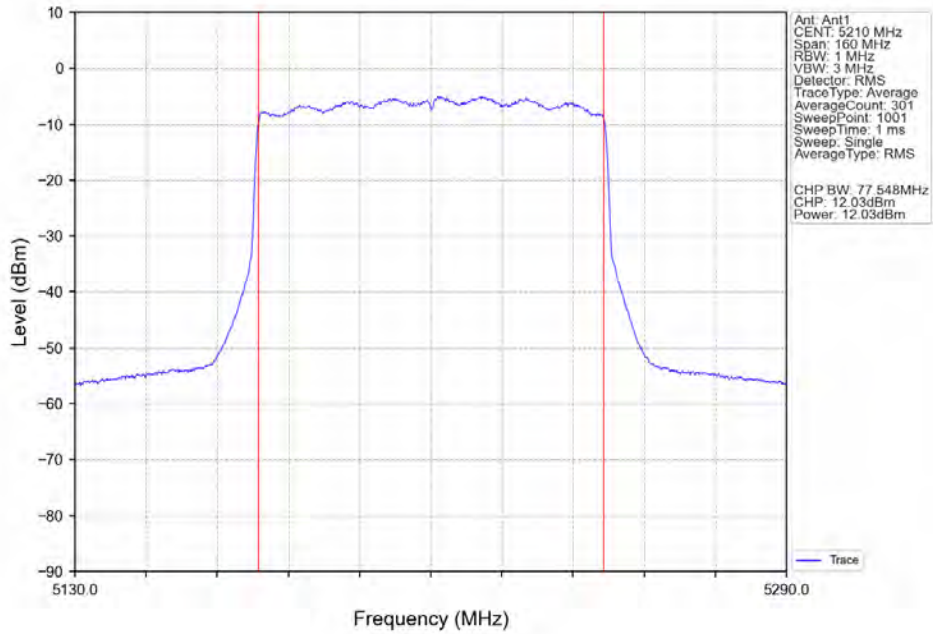
802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant1_NTNV



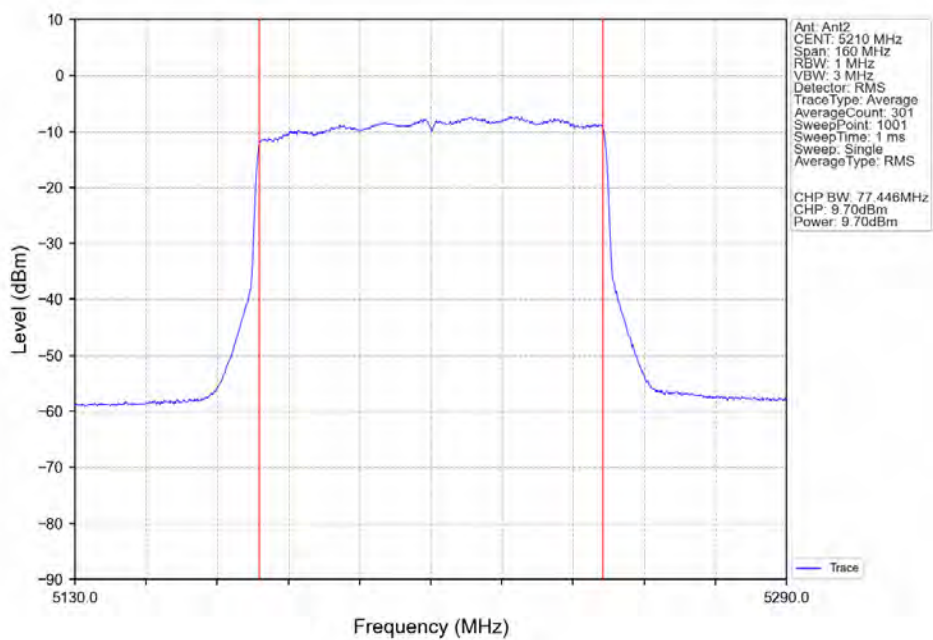
802.11ax(HEW40)_HCH_5795MHz_RU484_Left_Ant5_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant1_NTNV



802.11ax(HEW80)_MCH_5210MHz_RU996_Left_Ant5_NTNV



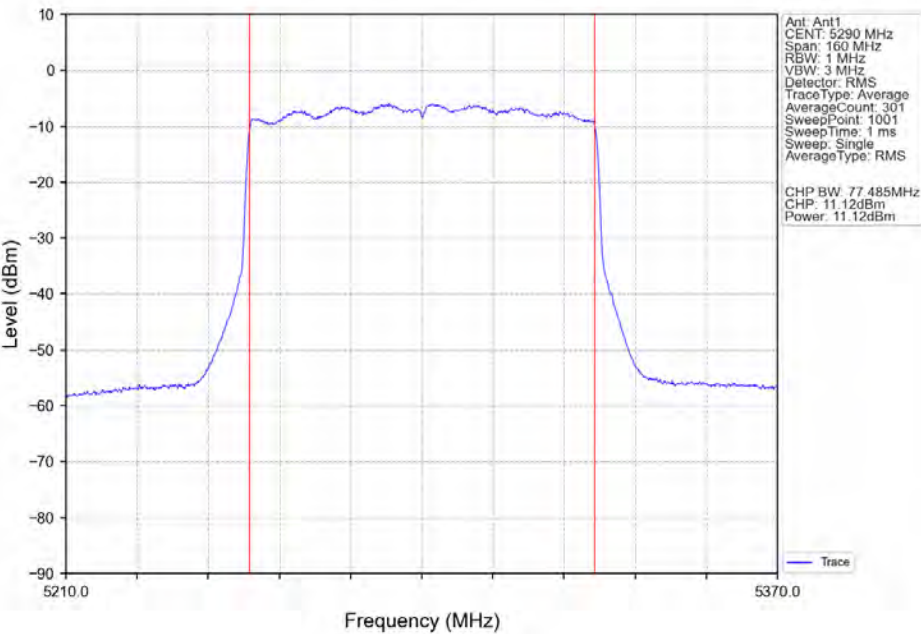
Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

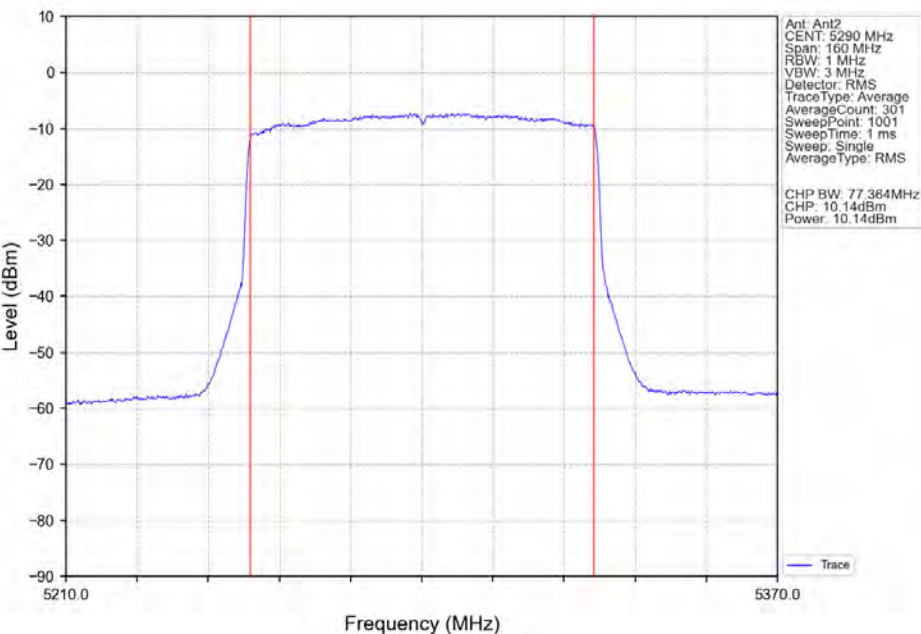
Report No.: KSCR240700121705

Page: 629 of 807

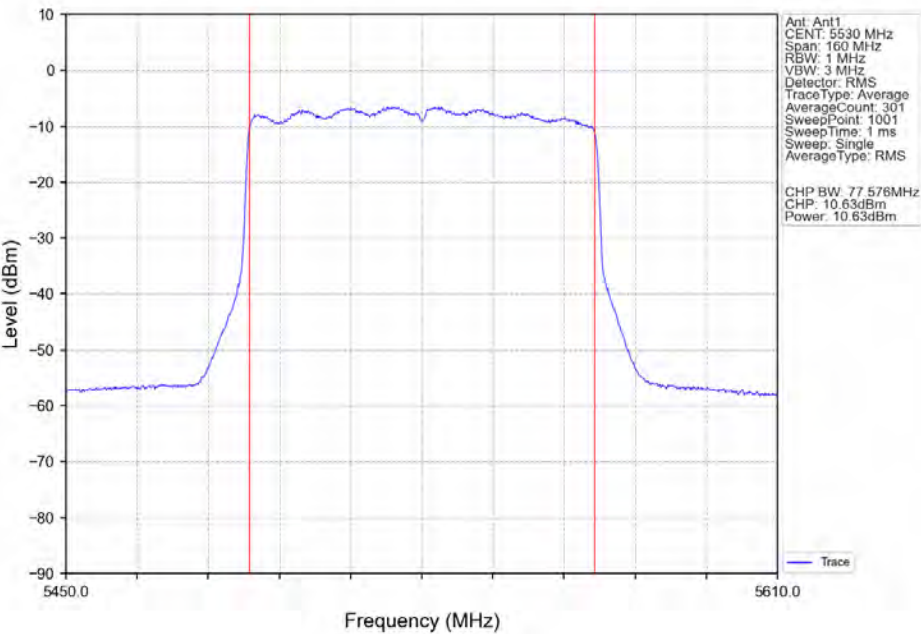
802.11ax(HEW80)_MCH_5290MHz_RU996_Left_Ant1_NTNV



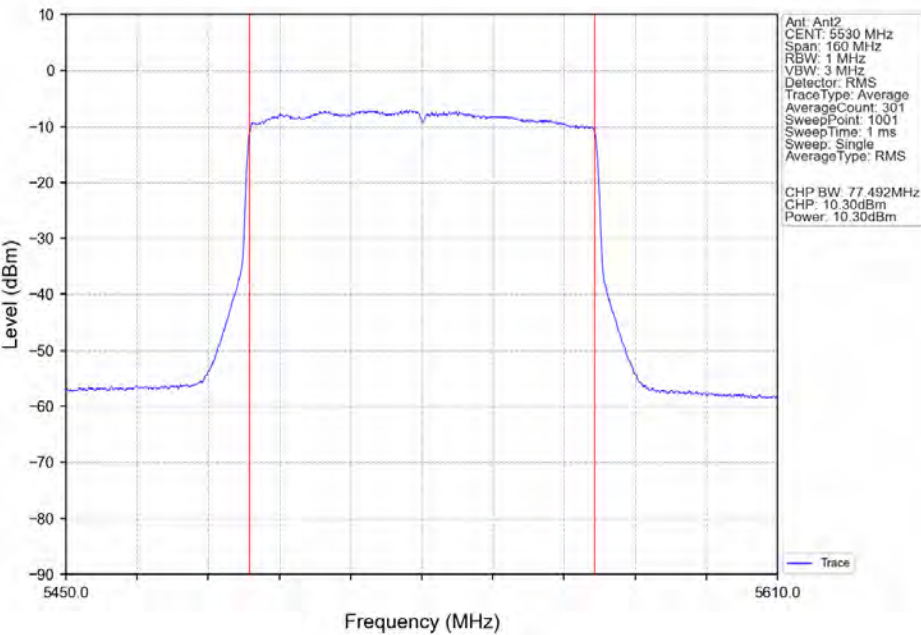
802.11ax(HEW80)_MCH_5290MHz_RU996_Left_Ant5_NTNV



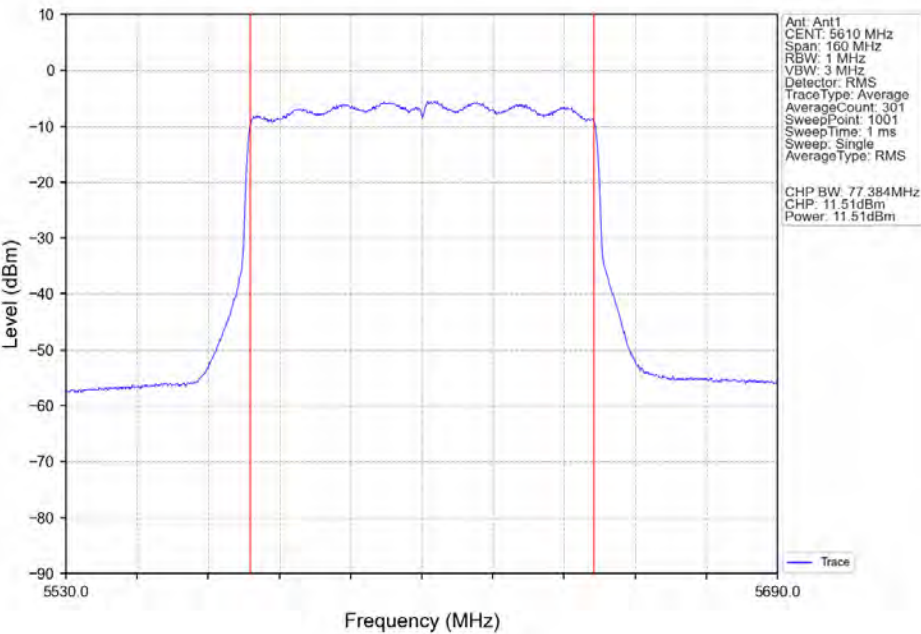
802.11ax(HEW80)_LCH_5530MHz_RU996_Left_Ant1_NTNV



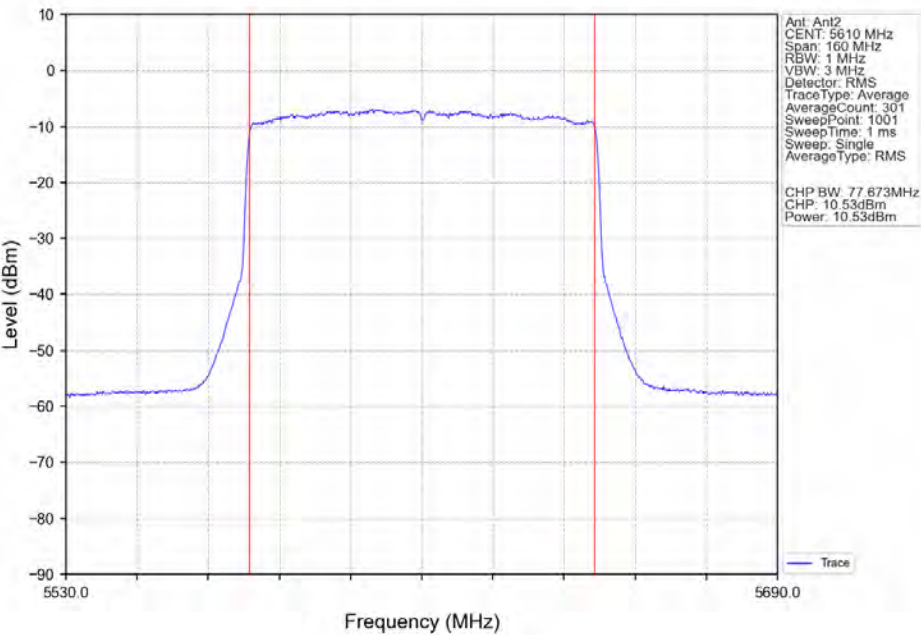
802.11ax(HEW80)_LCH_5530MHz_RU996_Left_Ant5_NTNV



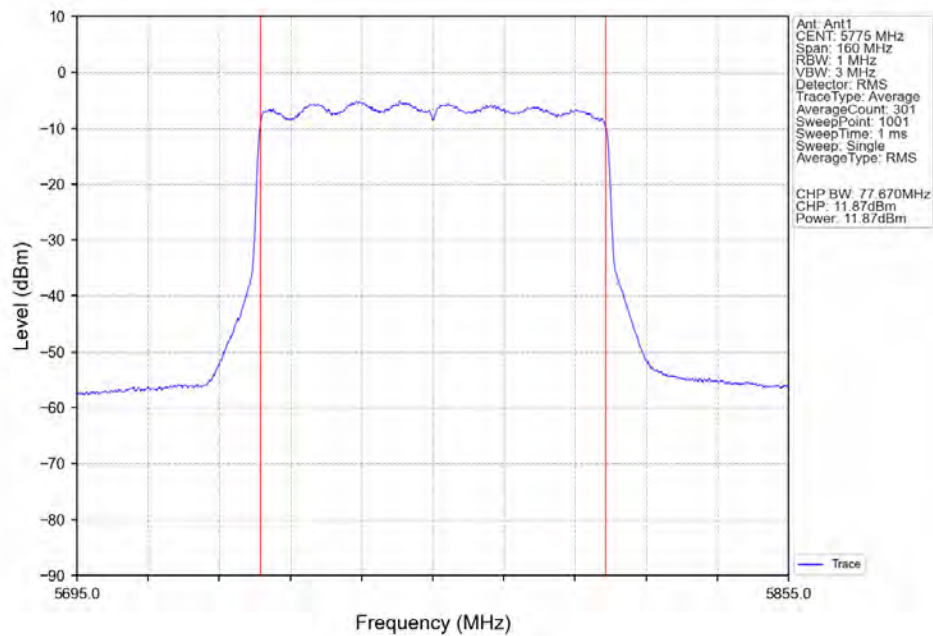
802.11ax(HEW80)_HCH_5610MHz_RU996_Left_Ant1_NTNV



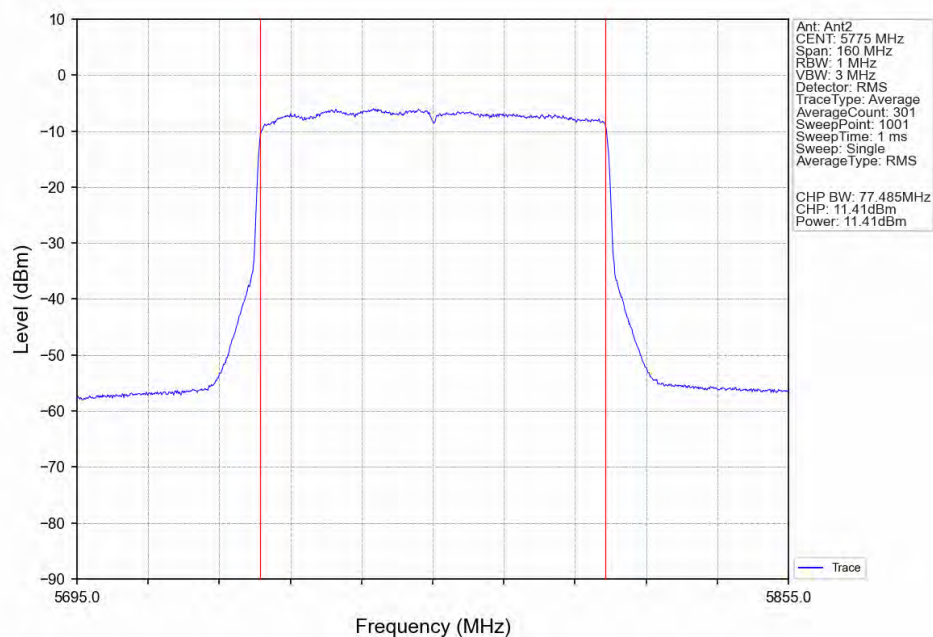
802.11ax(HEW80)_HCH_5610MHz_RU996_Left_Ant5_NTNV



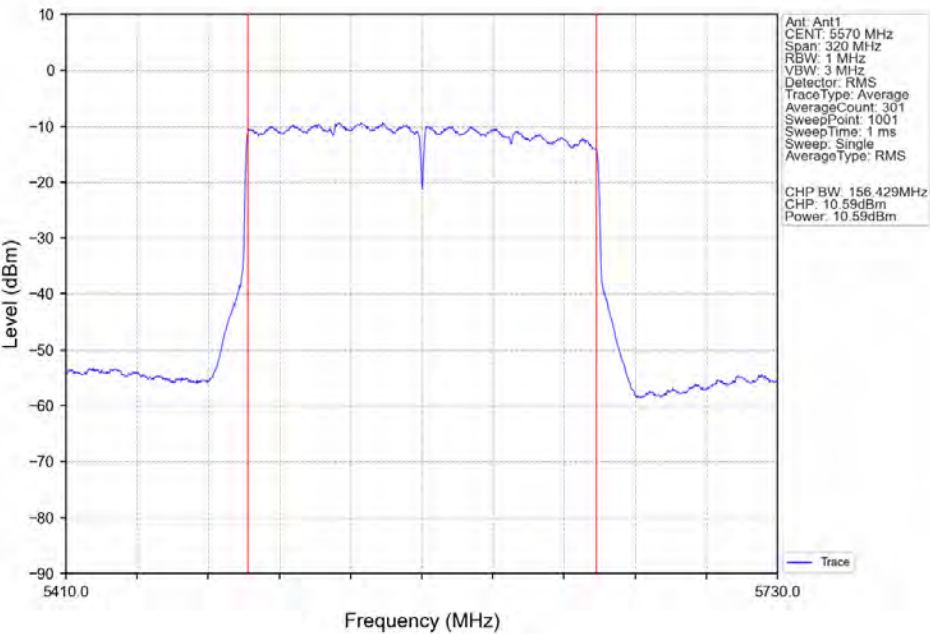
802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant1_NTNV



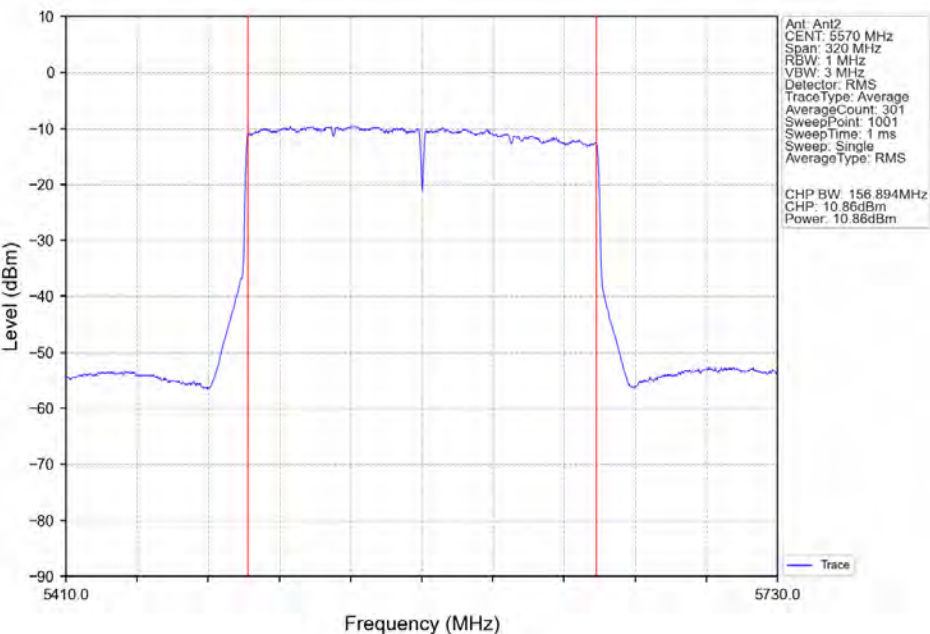
802.11ax(HEW80)_MCH_5775MHz_RU996_Left_Ant5_NTNV



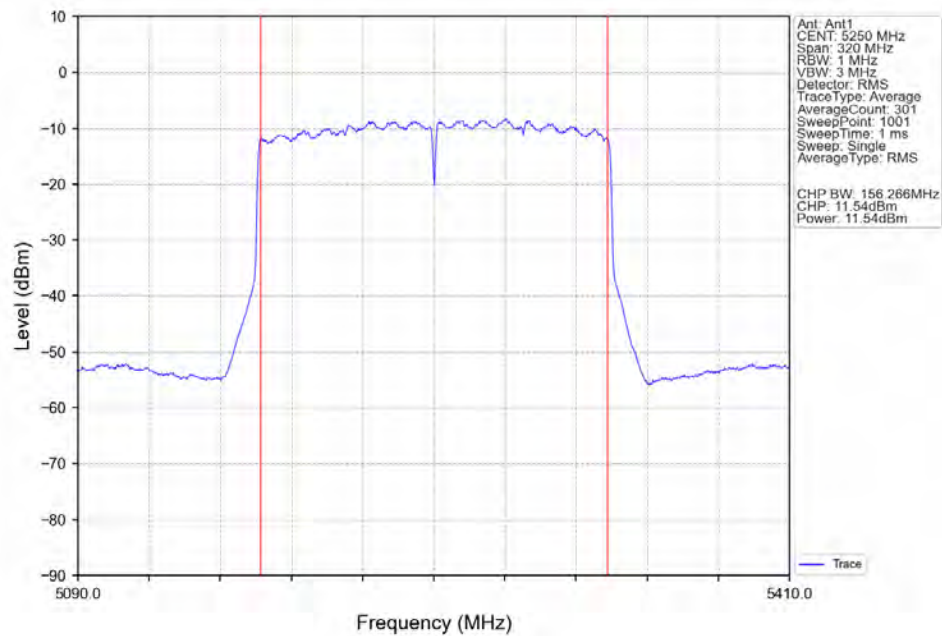
802.11ax(HEW160)_MCH_5570MHz_2xRU996_Left_Ant1_NTNV



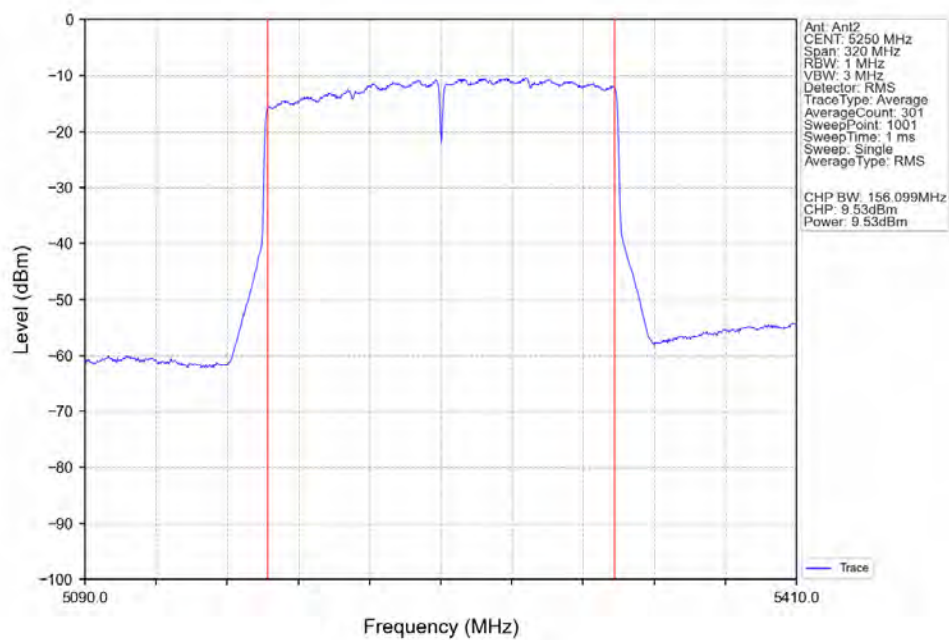
802.11ax(HEW160)_MCH_5570MHz_2xRU996_Left_Ant5_NTNV



802.11ax(HEW160)_MCH_5250MHz_2xRU996_Left_Ant1_NTNV



802.11ax(HEW160)_MCH_5250MHz_2xRU996_Left_Ant5_NTNV



4. Maximum Power Spectral Density

4.1 Test Result

4.1.1 PSD

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/MHz)				Verdict
					ANT1	ANT5	MIMO	Limit	
802.11a	SISO	5180	/	/	5.33	4.89	/	<=11	Pass
		5200	/	/	5.80	5.50	/	<=11	Pass
		5240	/	/	5.58	6.03	/	<=11	Pass
		5260	/	/	5.55	4.70	/	<=11	Pass
		5300	/	/	5.81	5.39	/	<=11	Pass
		5320	/	/	5.78	5.95	/	<=11	Pass
		5500	/	/	5.75	4.90	/	<=11	Pass
		5580	/	/	5.20	5.32	/	<=11	Pass
		5700	/	/	5.50	4.76	/	<=11	Pass
802.11n (HT20)	MIMO	5180	/	/	3.50	0.82	5.18	<=11	Pass
		5200	/	/	3.91	1.48	5.57	<=11	Pass
		5240	/	/	3.68	1.93	5.64	<=11	Pass
		5260	/	/	2.87	1.40	4.93	<=11	Pass
		5300	/	/	2.67	1.76	5.23	<=11	Pass
		5320	/	/	2.66	2.26	5.28	<=11	Pass
		5500	/	/	2.11	1.78	4.47	<=11	Pass
		5580	/	/	2.69	2.00	5.26	<=11	Pass
		5700	/	/	3.35	1.52	5.24	<=11	Pass
802.11n (HT40)	MIMO	5190	/	/	-0.66	-3.20	1.09	<=11	Pass
		5230	/	/	-0.40	-2.24	1.45	<=11	Pass
		5270	/	/	-1.15	-2.60	0.97	<=11	Pass
		5310	/	/	-1.36	-2.04	1.27	<=11	Pass
		5510	/	/	-1.75	-2.54	0.45	<=11	Pass
		5550	/	/	-2.21	-2.68	0.40	<=11	Pass
		5670	/	/	-0.66	-2.83	1.15	<=11	Pass
802.11ac (VHT20)	MIMO	5180	/	/	2.35	-0.22	4.04	<=11	Pass
		5200	/	/	2.61	0.23	4.34	<=11	Pass
		5240	/	/	2.56	0.85	4.53	<=11	Pass
		5260	/	/	1.74	0.15	3.71	<=11	Pass
		5300	/	/	1.59	0.66	4.02	<=11	Pass
		5320	/	/	1.59	1.10	4.22	<=11	Pass
		5500	/	/	1.07	0.48	3.34	<=11	Pass
		5580	/	/	1.49	0.85	4.12	<=11	Pass
		5700	/	/	2.38	0.58	4.21	<=11	Pass
802.11ac	MIMO	5190	/	/	-0.09	-2.93	1.53	<=11	Pass

Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

Report No.: KSCR240700121705

Page: 636 of 807

(VHT40)		5230	/	/	-0.11	-2.18	1.74	<=11	Pass
		5270	/	/	-0.67	-2.59	1.31	<=11	Pass
		5310	/	/	-0.95	-2.02	1.36	<=11	Pass
		5510	/	/	-1.45	-2.52	0.62	<=11	Pass
		5550	/	/	-1.68	-2.65	0.69	<=11	Pass
		5670	/	/	-0.49	-2.96	1.24	<=11	Pass
802.11ac (VHT80)	MIMO	5210	/	/	-4.80	-7.21	-2.99	<=11	Pass
		5290	/	/	-5.80	-7.12	-3.56	<=11	Pass
		5530	/	/	-6.15	-6.85	-3.80	<=11	Pass
		5610	/	/	-5.48	-6.58	-3.13	<=11	Pass
802.11ac (VHT160)	MIMO	5570	/	/	-9.05	-9.48	-6.46	<=11	Pass
		5250	/	/	-8.31	-10.26	-6.44	<=11	Pass
802.11ax (HEW20)	MIMO	5180	RU242	Left	0.70	-2.26	2.34	<=11	Pass
		5200	RU242	Left	1.02	-1.72	2.68	<=11	Pass
		5240	RU242	Left	1.03	-1.00	2.87	<=11	Pass
		5260	RU242	Left	0.29	-1.89	1.96	<=11	Pass
		5300	RU242	Left	0.00	-1.27	2.29	<=11	Pass
		5320	RU242	Left	0.08	-0.89	2.48	<=11	Pass
		5500	RU242	Left	-0.50	-1.25	1.60	<=11	Pass
		5580	RU242	Left	-0.20	-1.06	2.14	<=11	Pass
802.11ax (HEW40)	MIMO	5700	RU242	Left	0.72	-1.54	2.36	<=11	Pass
		5190	RU484	Left	-2.65	-5.34	-0.91	<=11	Pass
		5230	RU484	Left	-2.85	-4.78	-0.92	<=11	Pass
		5270	RU484	Left	-3.20	-5.03	-1.33	<=11	Pass
		5310	RU484	Left	-3.69	-4.23	-1.14	<=11	Pass
		5510	RU484	Left	-4.01	-4.95	-1.76	<=11	Pass
		5550	RU484	Left	-4.52	-4.86	-1.91	<=11	Pass
802.11ax (HEW80)	MIMO	5670	RU484	Left	-3.06	-5.25	-1.23	<=11	Pass
		5210	RU996	Left	-5.16	-7.41	-3.24	<=11	Pass
		5290	RU996	Left	-5.99	-7.31	-3.79	<=11	Pass
		5530	RU996	Left	-6.40	-7.00	-4.01	<=11	Pass
802.11ax (HEW160)	MIMO	5610	RU996	Left	-5.54	-6.77	-3.41	<=11	Pass
		5570	2xRU996	Left	-9.50	-9.57	-6.73	<=11	Pass
		5250	2xRU996	Left	-8.44	-10.27	-6.65	<=11	Pass

Note1: Antenna Gain: Band1: Ant1: 2.62dBi, Ant5: 1.84dBi; Band2A: Ant1: 1.72dBi, Ant5: 1.48dBi; Band2C: Ant1: 1.47dBi, Ant5: 1.64dBi; Band3: Ant1: 0.88dBi, Ant5: 2.26dBi

Note2: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

4.1.2 PSD-Band3

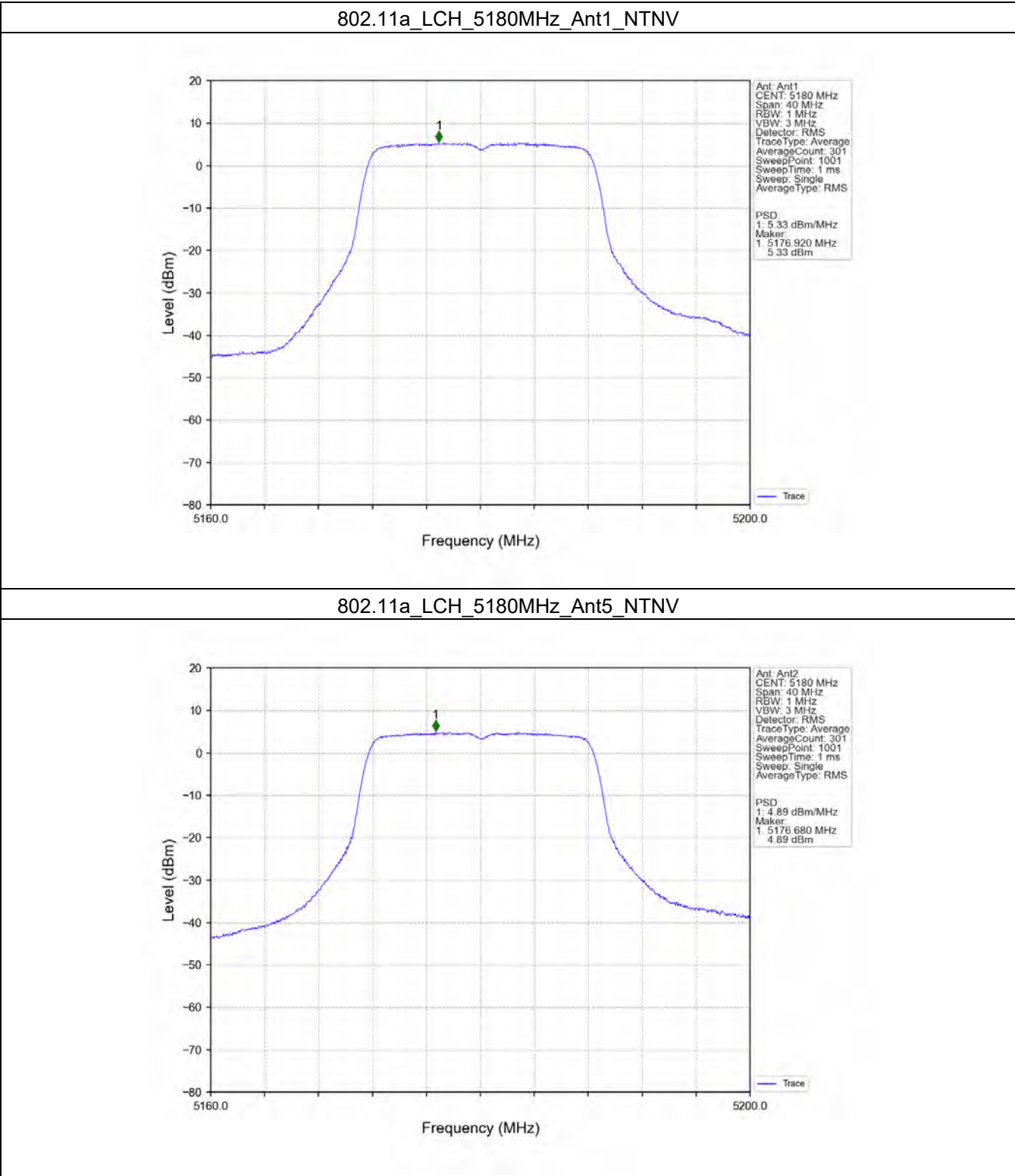
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)				Verdict
					ANT1	ANT5	MIMO	Limit	
802.11a	SISO	5745	/	/	2.71	3.28	/	<=30	Pass
		5785	/	/	2.66	3.16	/	<=30	Pass
		5825	/	/	3.91	3.43	/	<=30	Pass

Note1: Antenna Gain: Ant1: 0.88dBi; Ant5: 2.26dBi

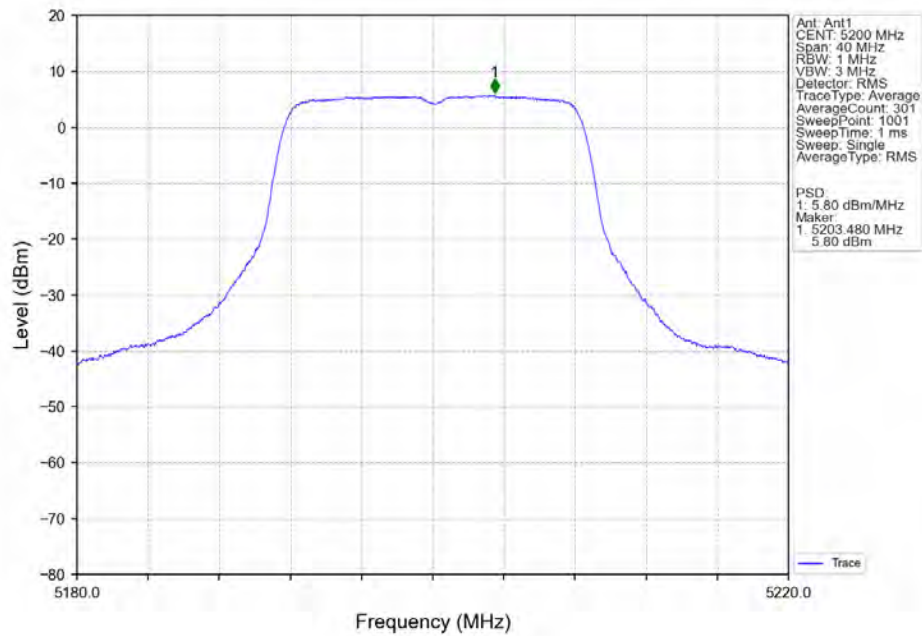
Note1: Antenna Gain: Ant1: 2.62dBi; Ant5: 1.84dBi
 Note2: E.I.R.PSD = Measured PSD + Antenna Gain
 Note3: Directional Gain: Uncorrelated(Directional Gain = Ant Gain)

4.2 Test Graph

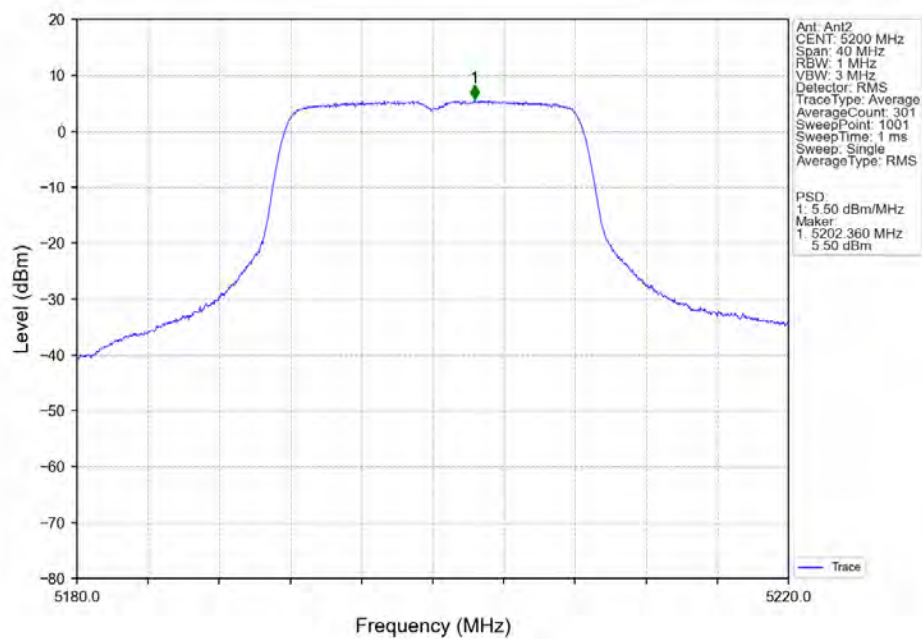
4.2.1 PSD



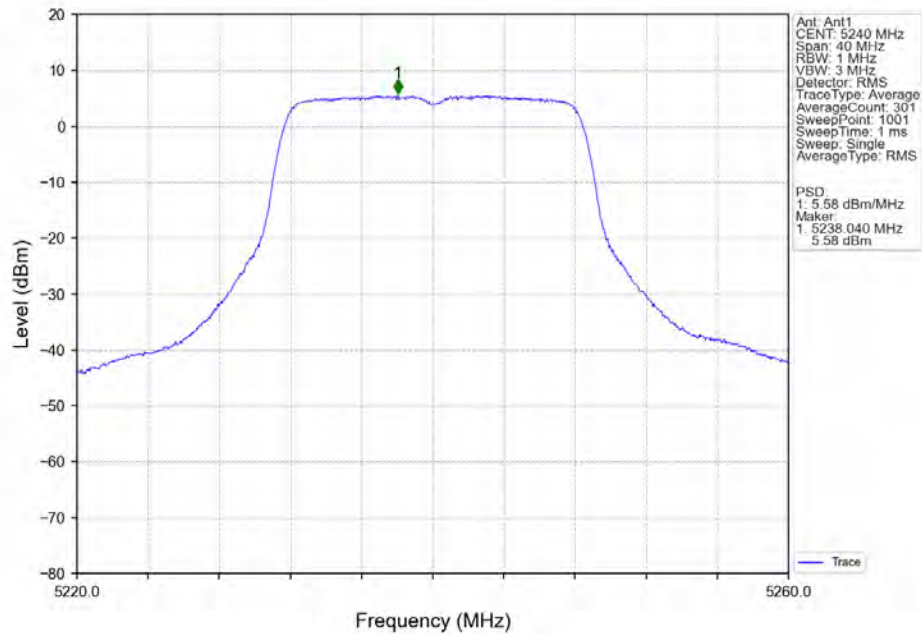
802.11a_MCH_5200MHz_Ant1_NTNV



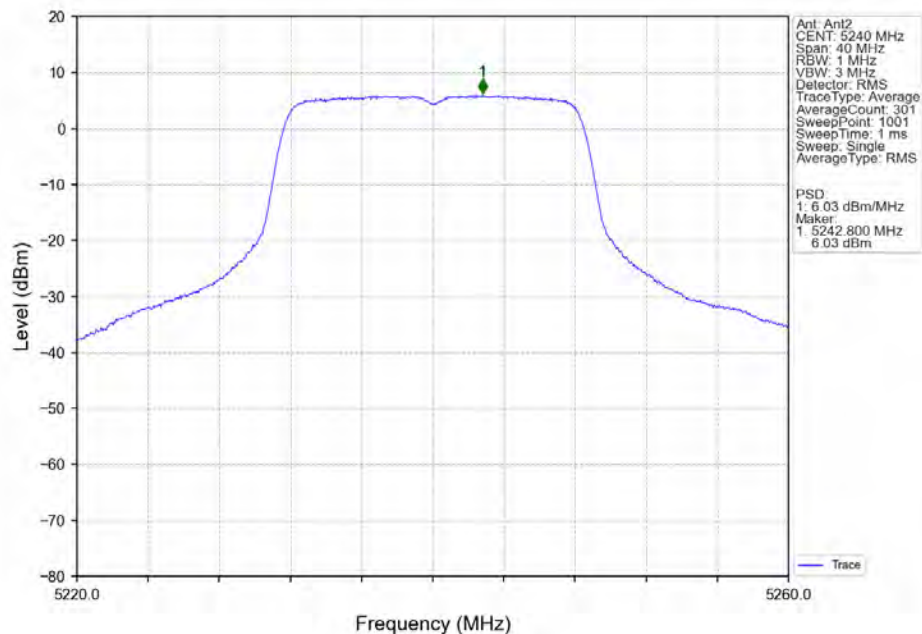
802.11a_MCH_5200MHz_Ant5_NTNV



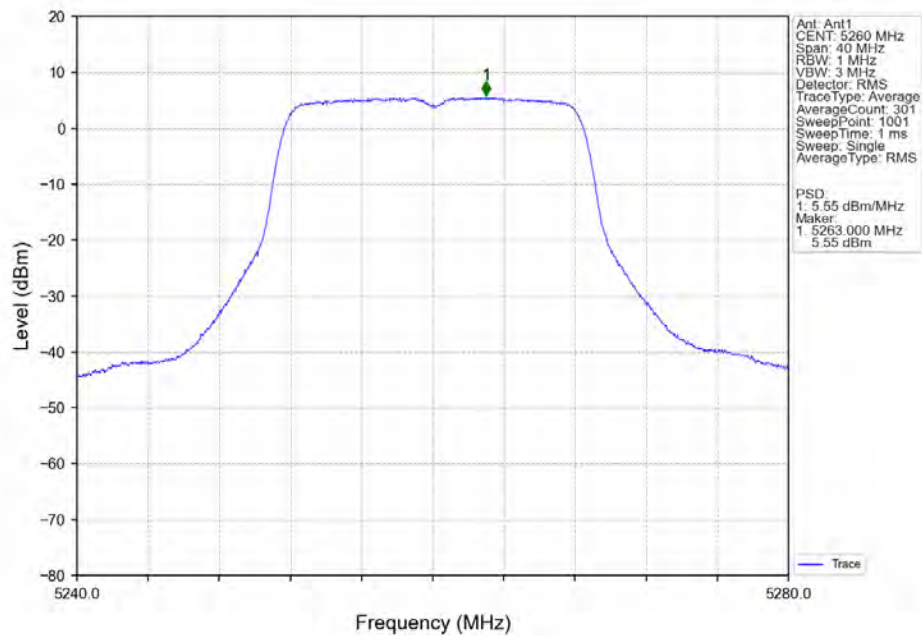
802.11a_HCH_5240MHz_Ant1_NTNV



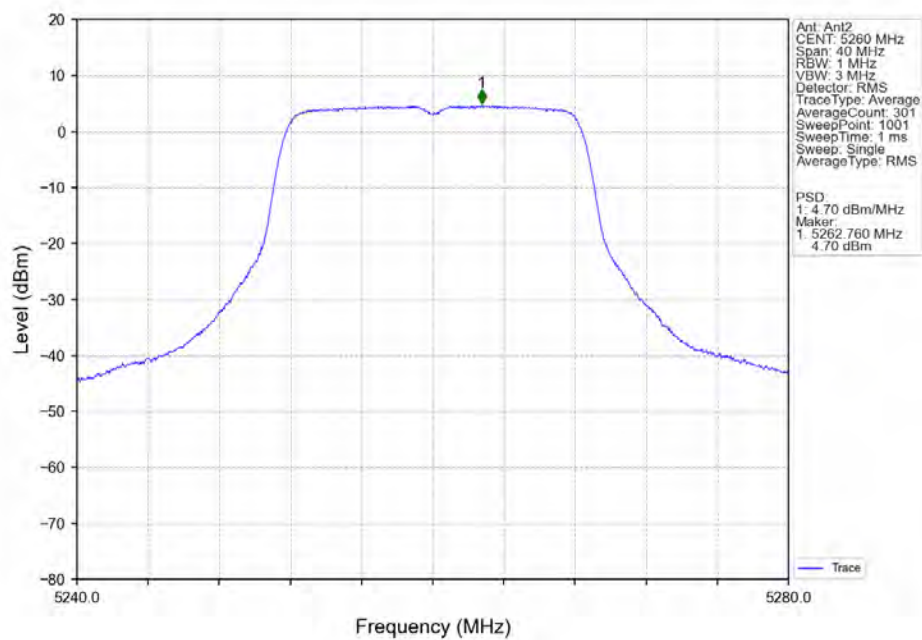
802.11a_HCH_5240MHz_Ant5_NTNV



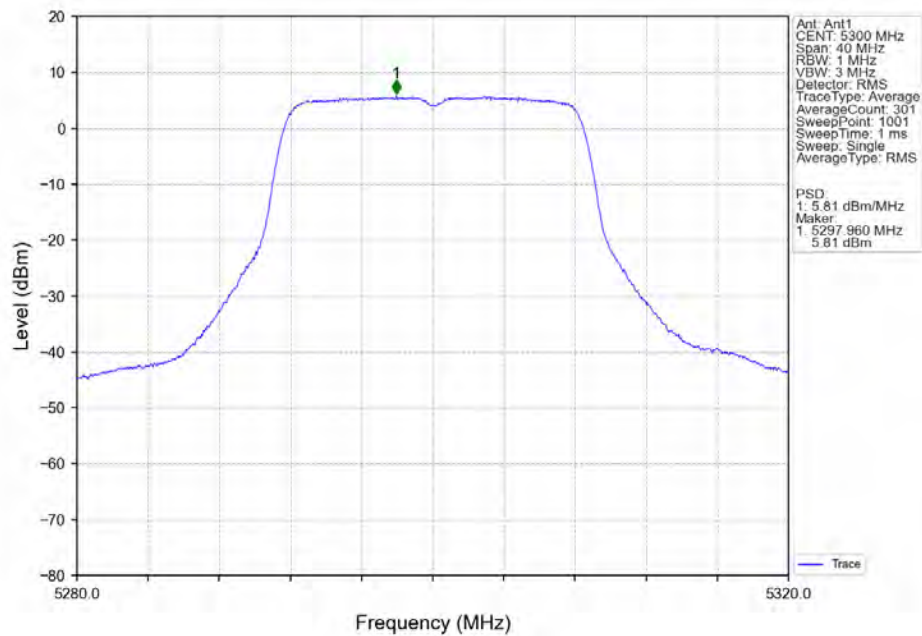
802.11a_LCH_5260MHz_Ant1_NTNV



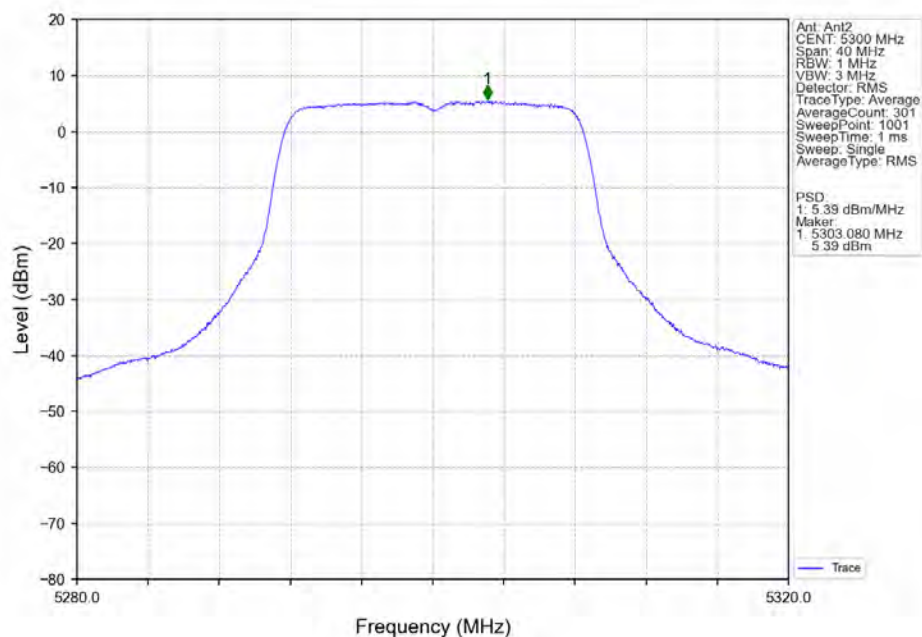
802.11a_LCH_5260MHz_Ant5_NTNV



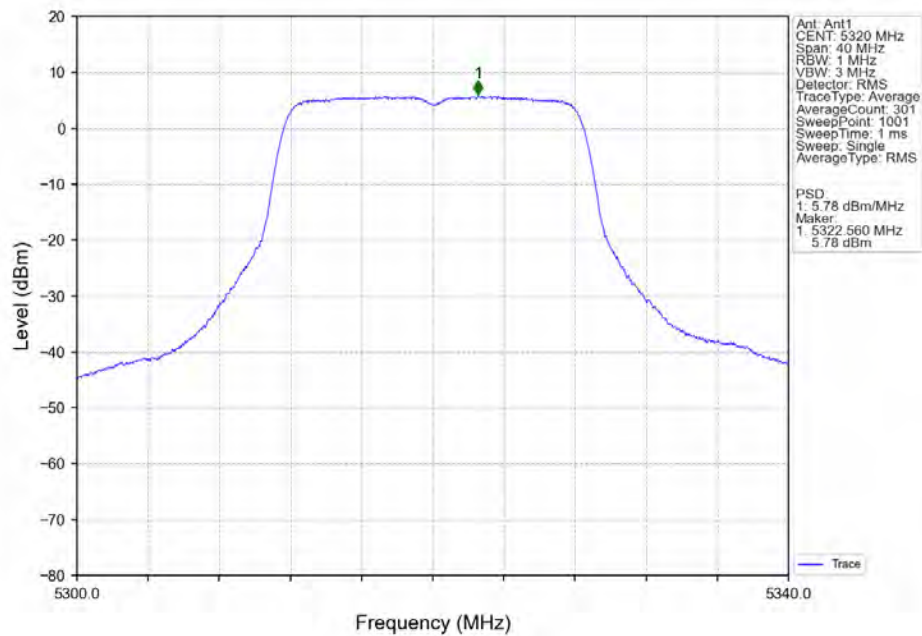
802.11a_MCH_5300MHz_Ant1_NTNV



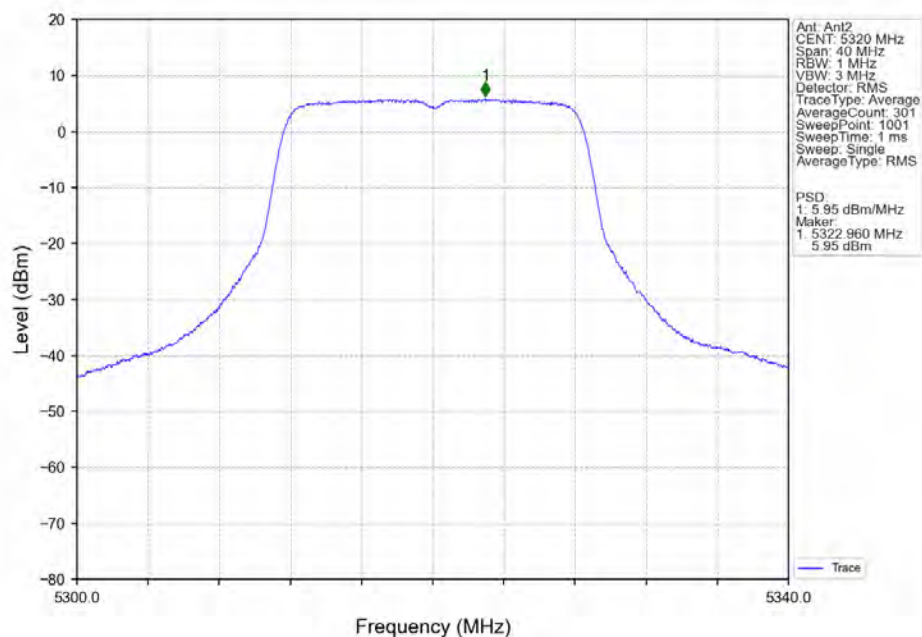
802.11a_MCH_5300MHz_Ant5_NTNV



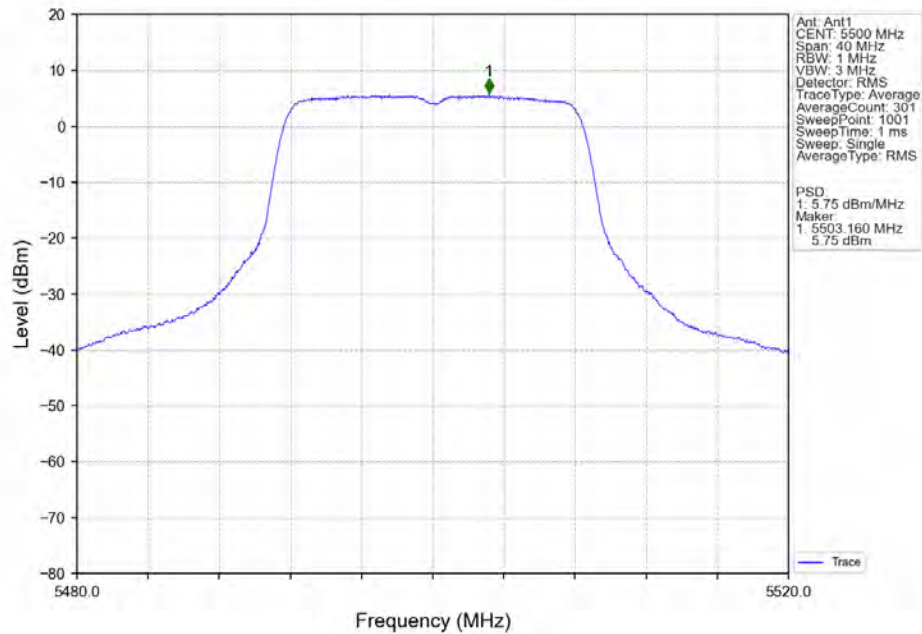
802.11a_HCH_5320MHz_Ant1_NTNV



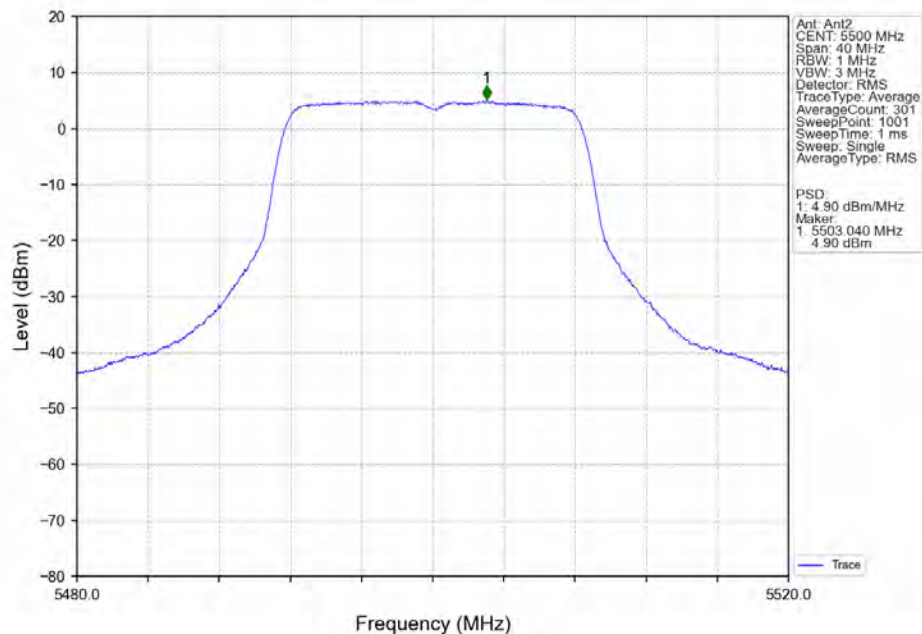
802.11a_HCH_5320MHz_Ant5_NTNV



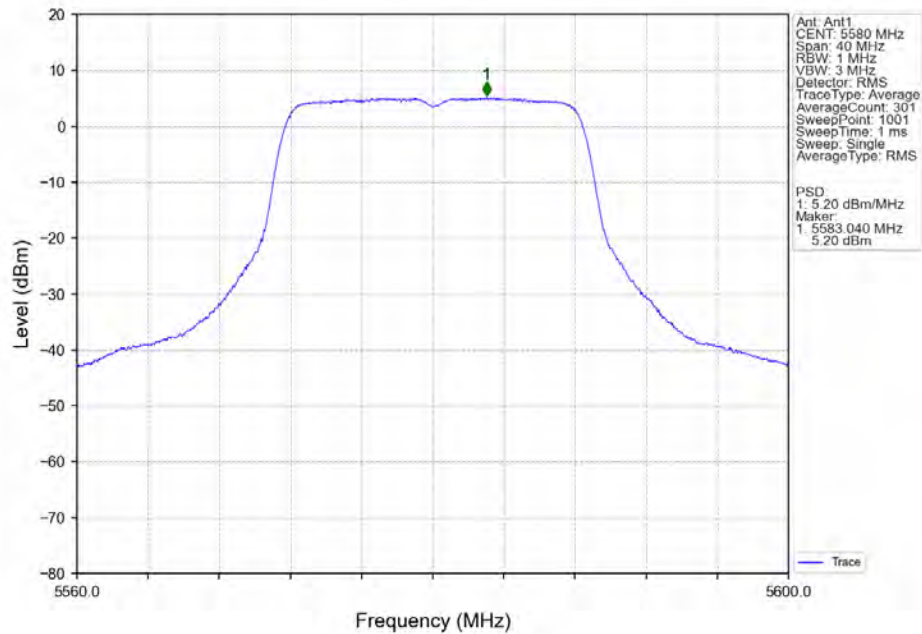
802.11a_LCH_5500MHz_Ant1_NTNV



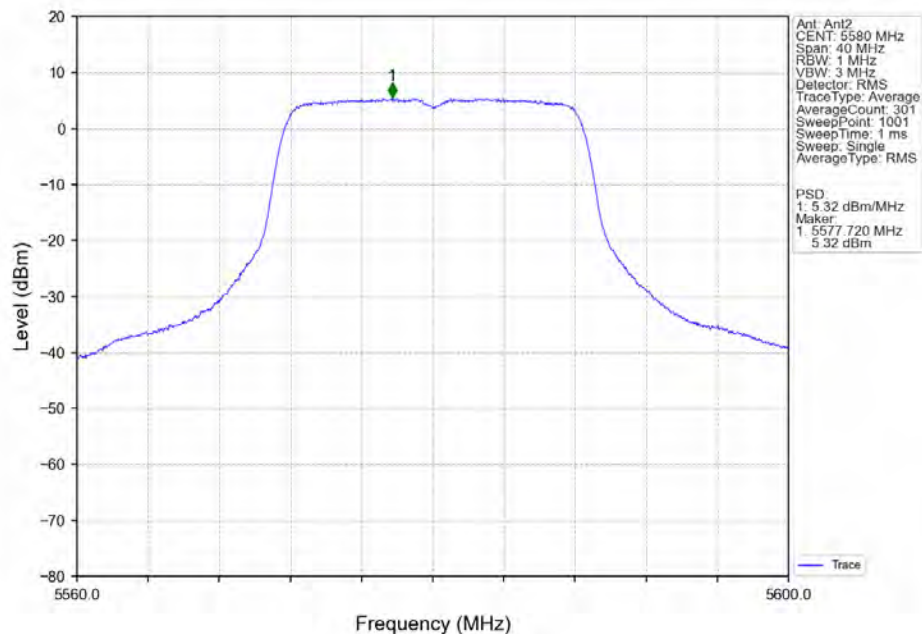
802.11a_LCH_5500MHz_Ant5_NTNV



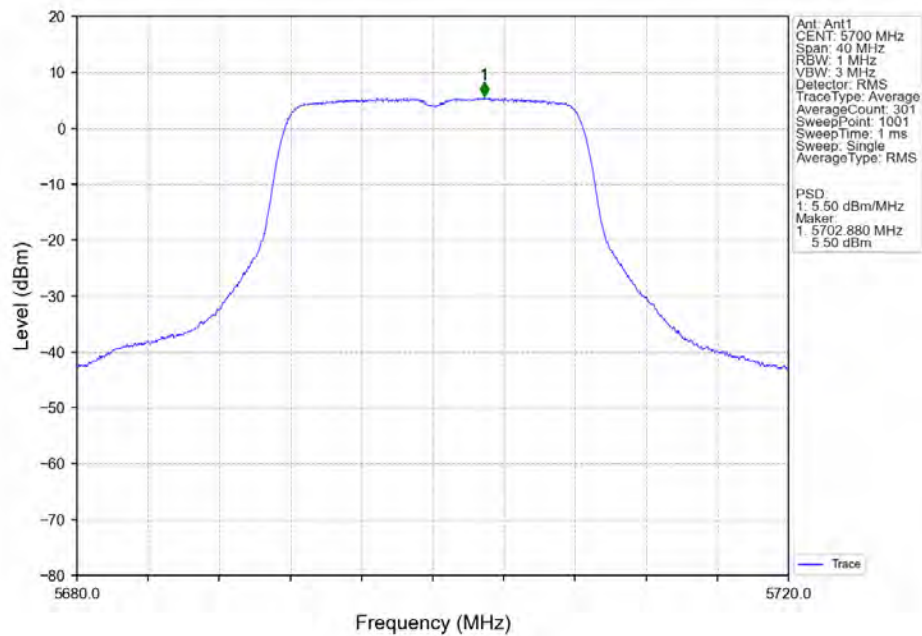
802.11a_MCH_5580MHz_Ant1_NTNV



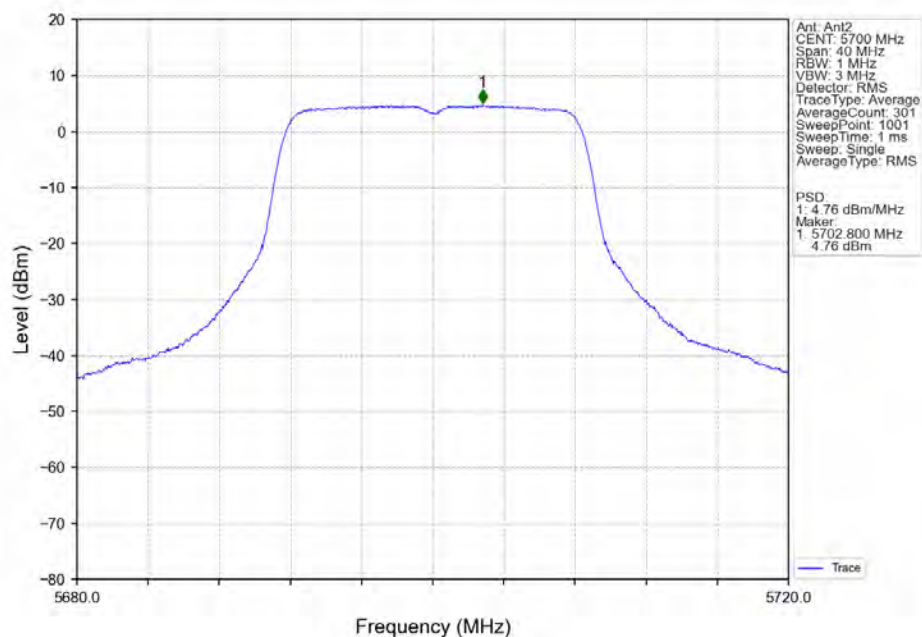
802.11a_MCH_5580MHz_Ant5_NTNV



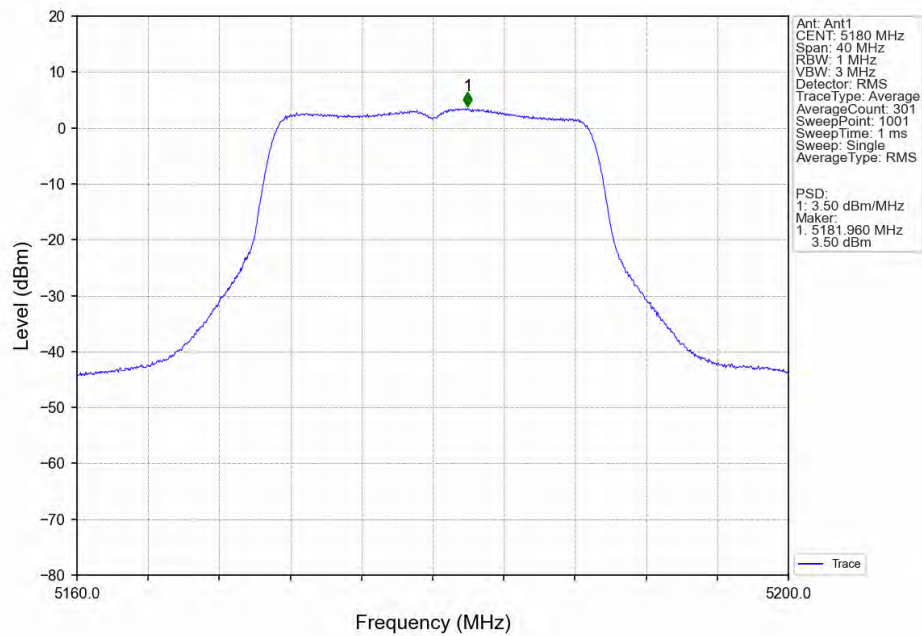
802.11a_HCH_5700MHz_Ant1_NTNV



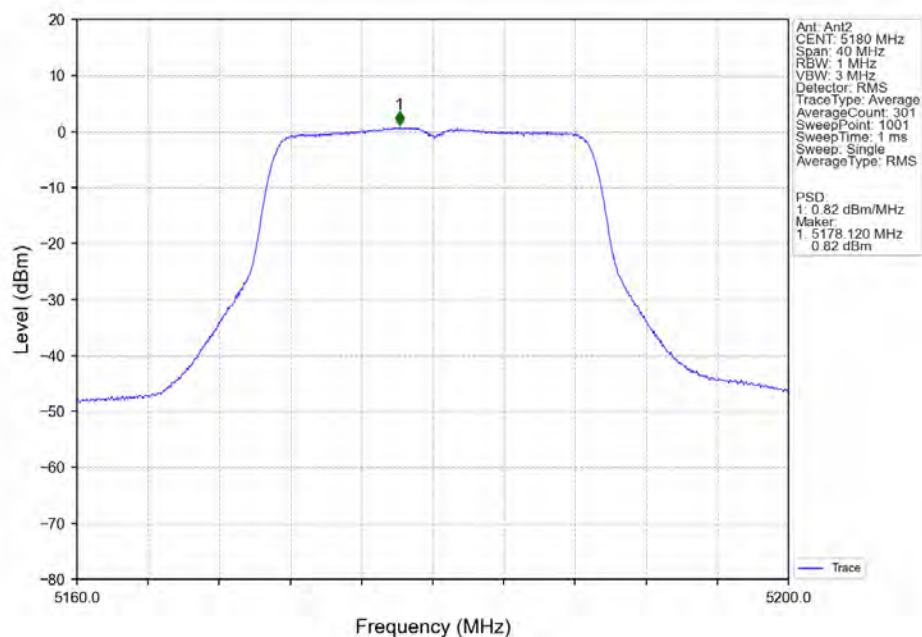
802.11a_HCH_5700MHz_Ant5_NTNV



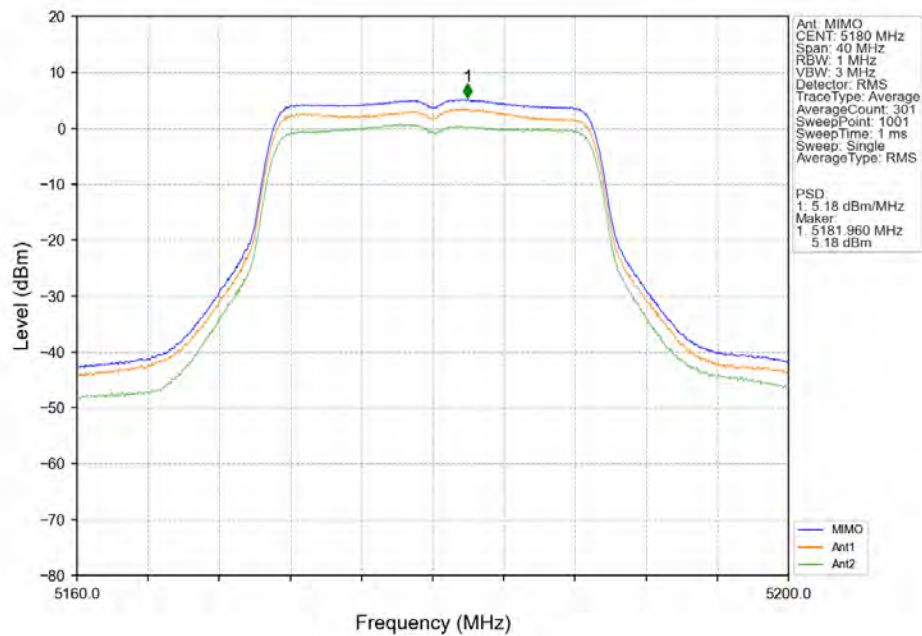
802.11n(HT20)_LCH_5180MHz_Ant1_NTNV



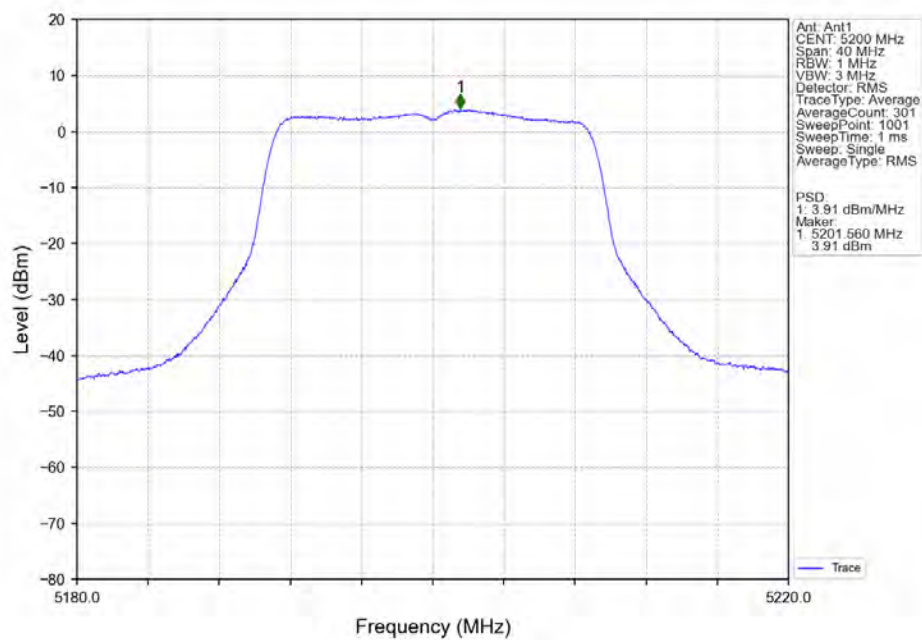
802.11n(HT20)_LCH_5180MHz_Ant5_NTNV



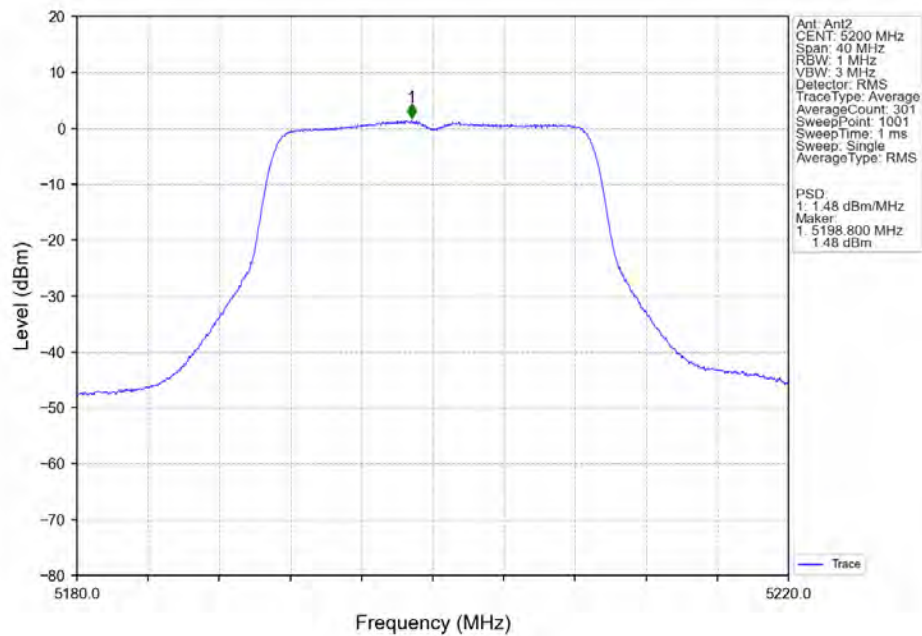
802.11n(HT20)_LCH_5180MHz_MIMO_NTNV



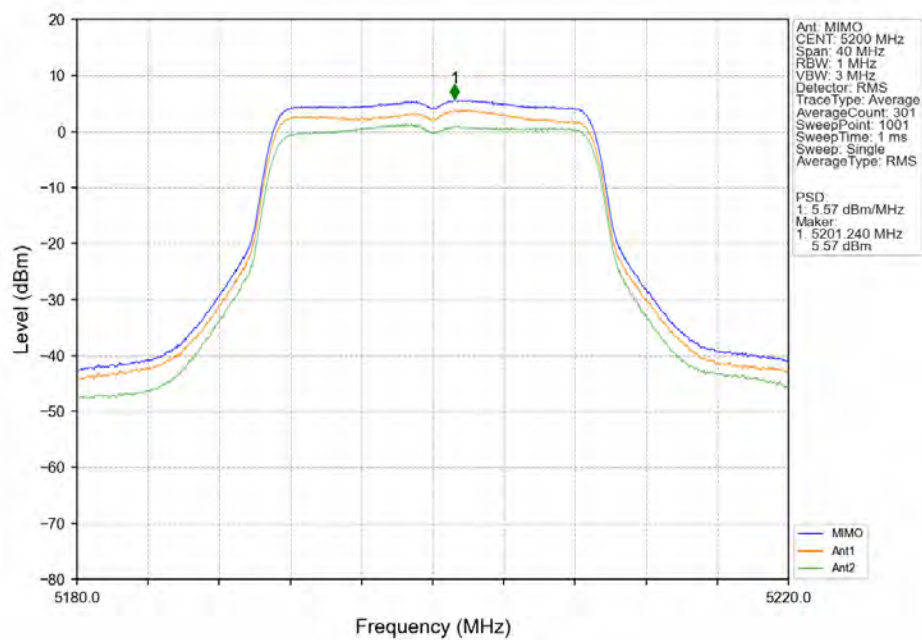
802.11n(HT20)_MCH_5200MHz_Ant1_NTNV



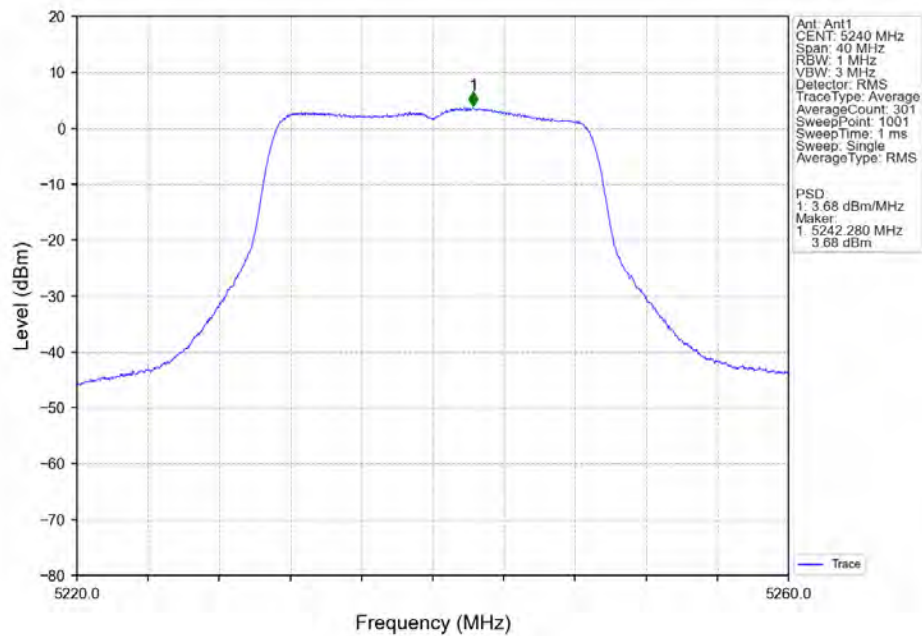
802.11n(HT20)_MCH_5200MHz_Ant5_NTNV



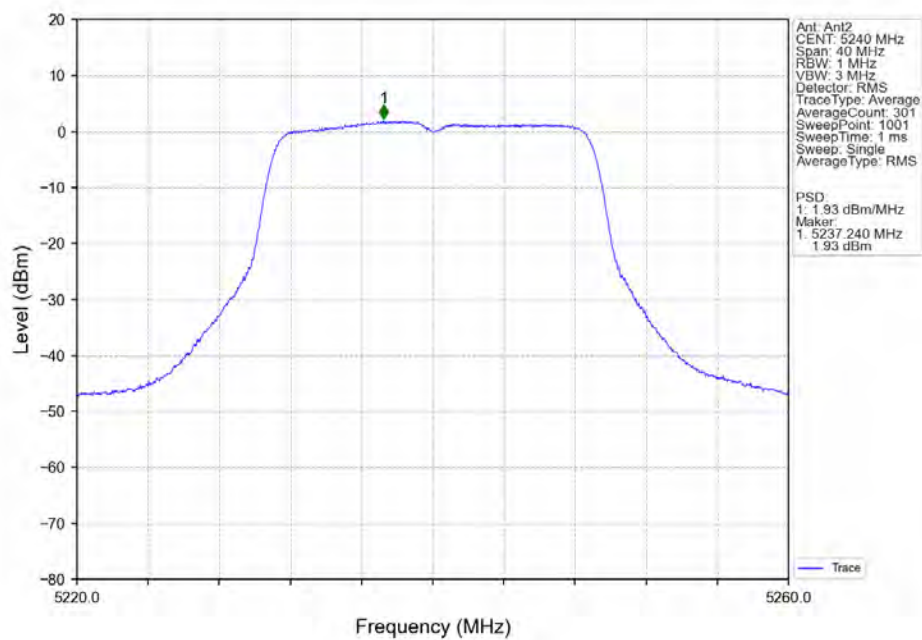
802.11n(HT20)_MCH_5200MHz_MIMO_NTNV



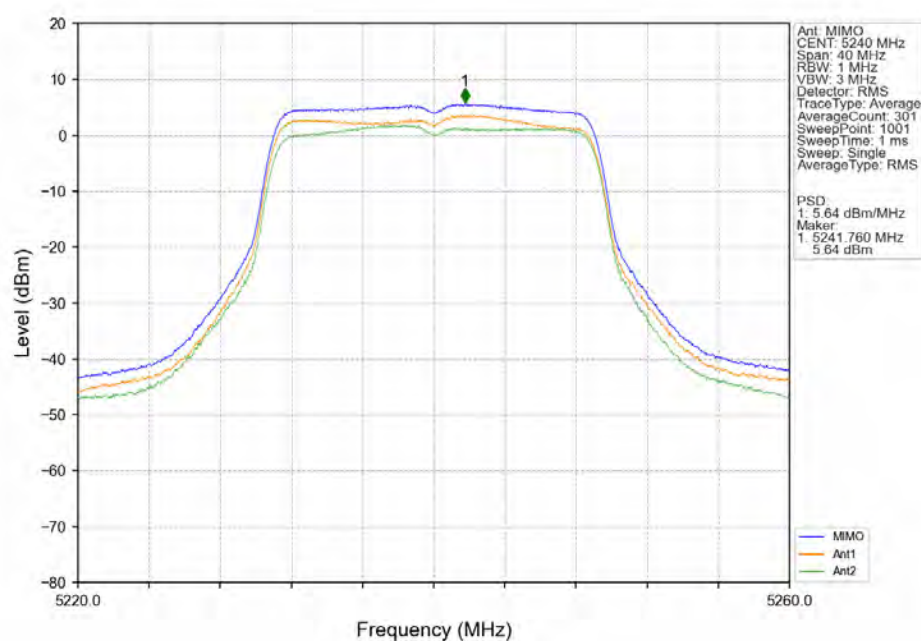
802.11n(HT20)_HCH_5240MHz_Ant1_NTNV



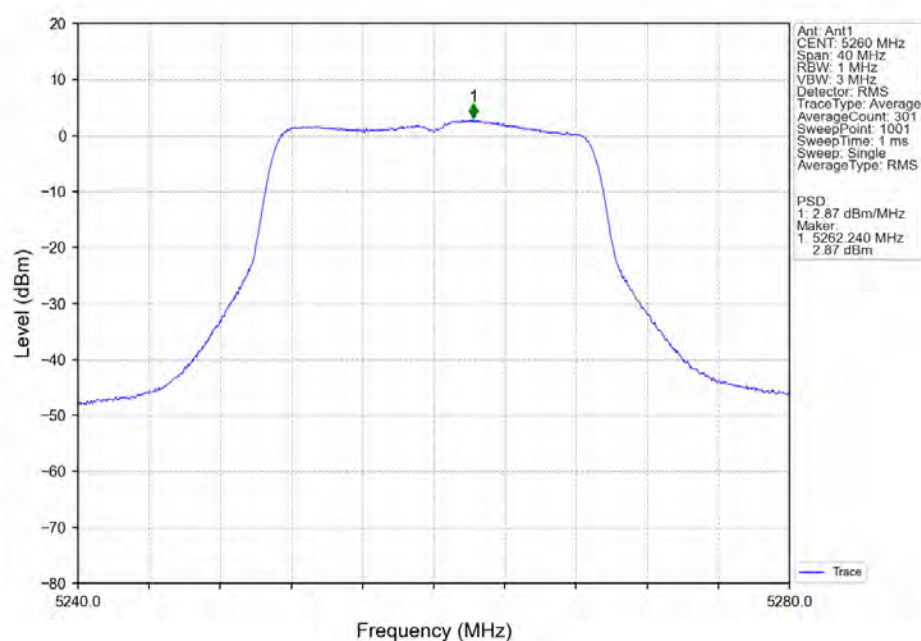
802.11n(HT20)_HCH_5240MHz_Ant5_NTNV



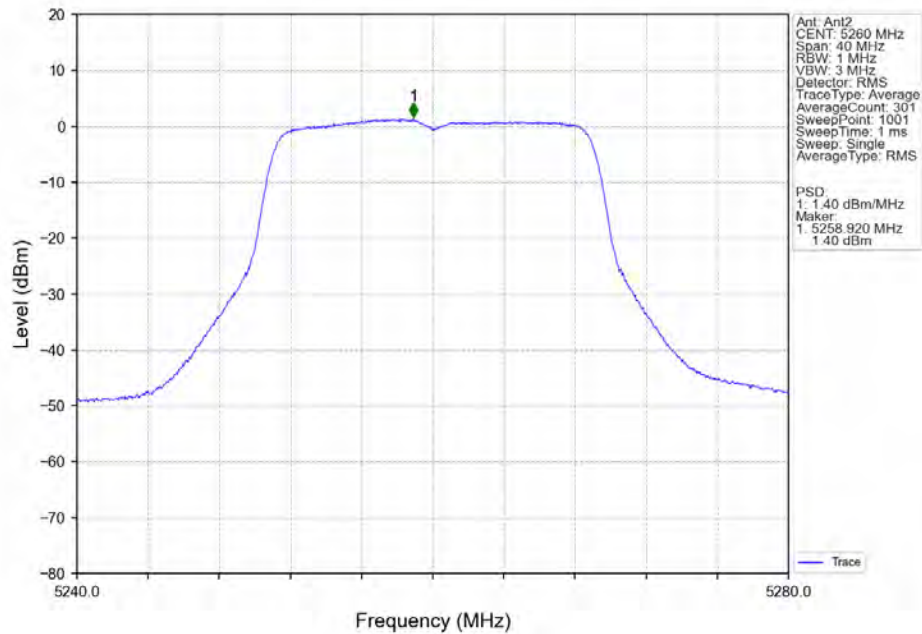
802.11n(HT20)_HCH_5240MHz_MIMO_NTNV



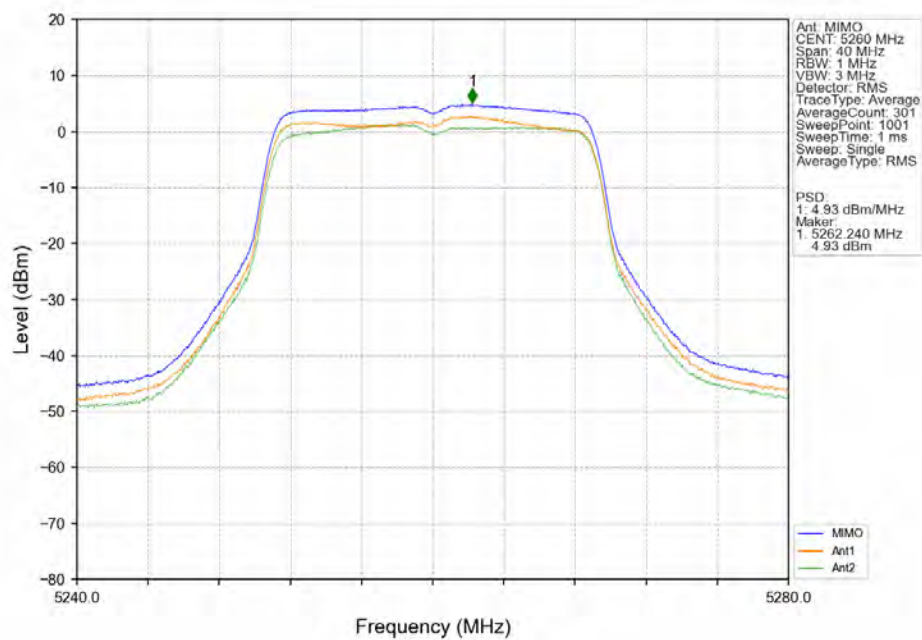
802.11n(HT20)_LCH_5260MHz_Ant1_NTNV



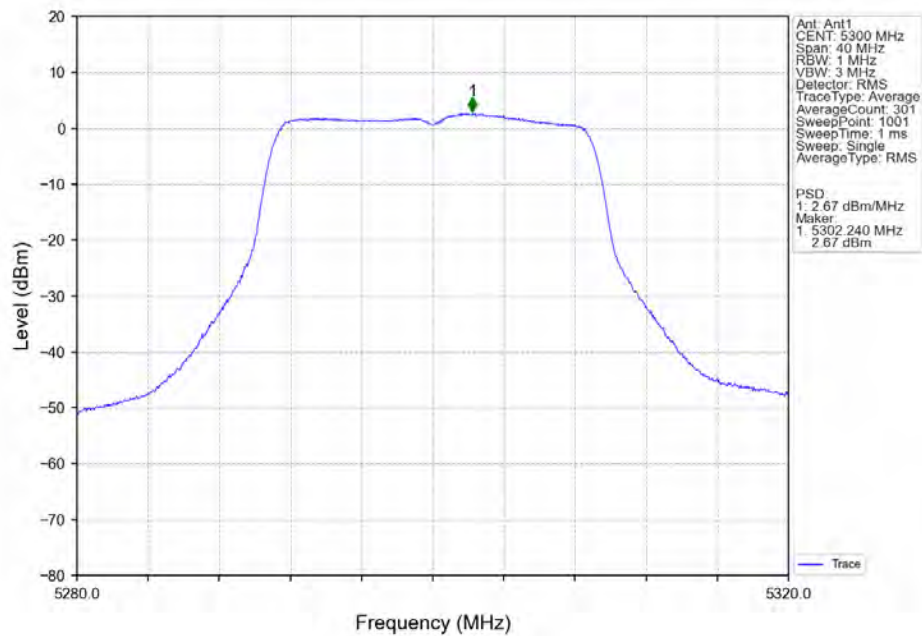
802.11n(HT20)_LCH_5260MHz_Ant5_NTNV



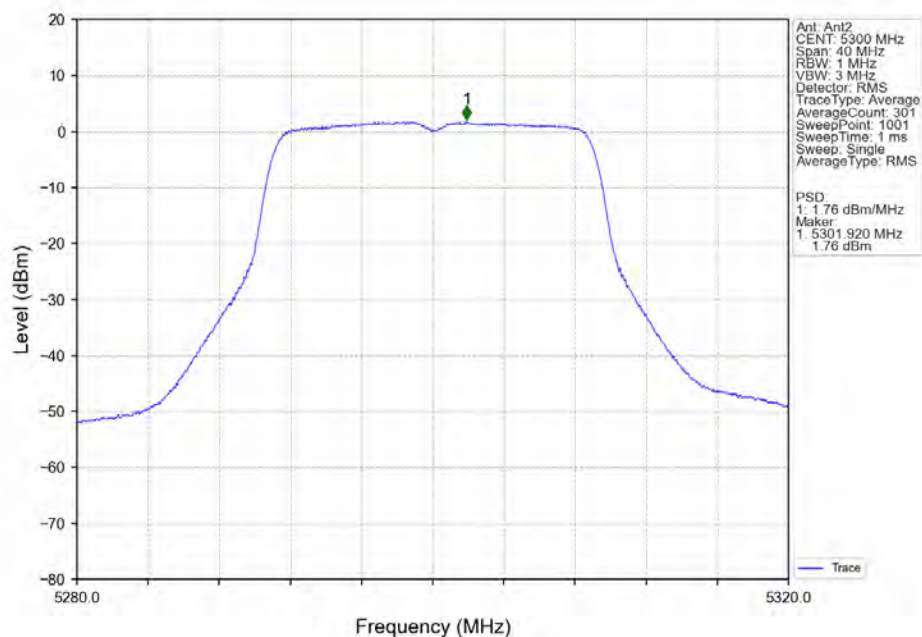
802.11n(HT20)_LCH_5260MHz_MIMO_NTNV



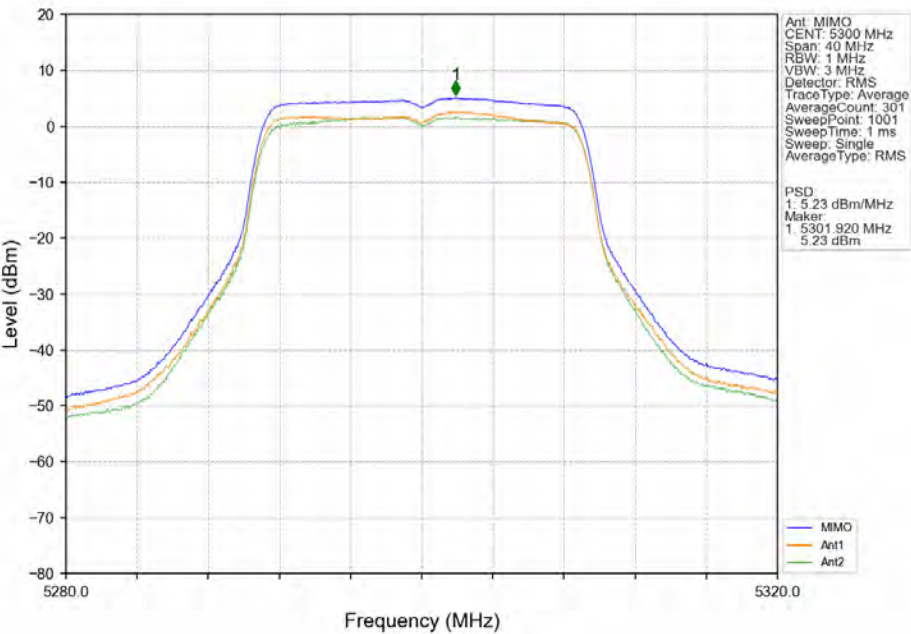
802.11n(HT20)_MCH_5300MHz_Ant1_NTNV



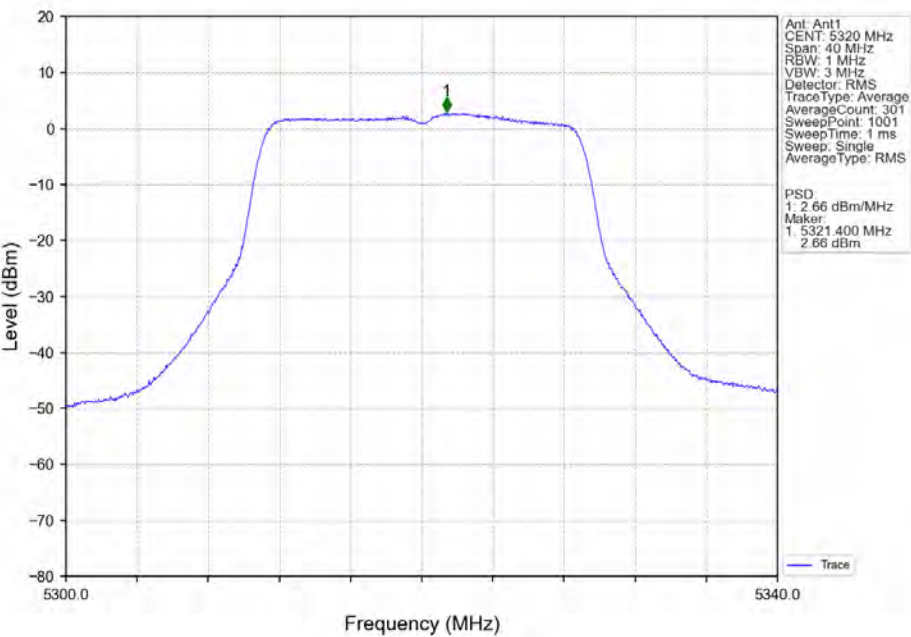
802.11n(HT20)_MCH_5300MHz_Ant5_NTNV



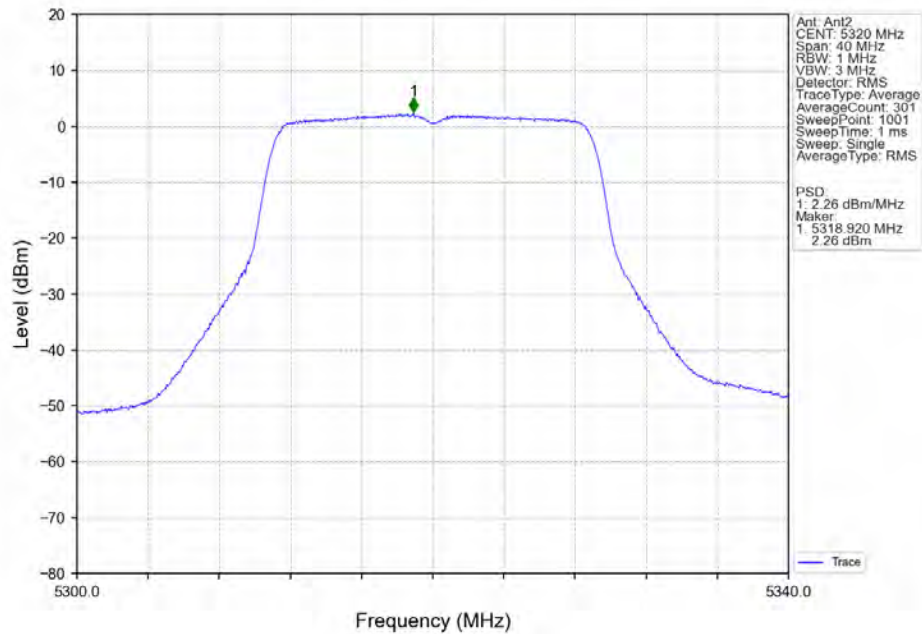
802.11n(HT20)_MCH_5300MHz_MIMO_NTNV



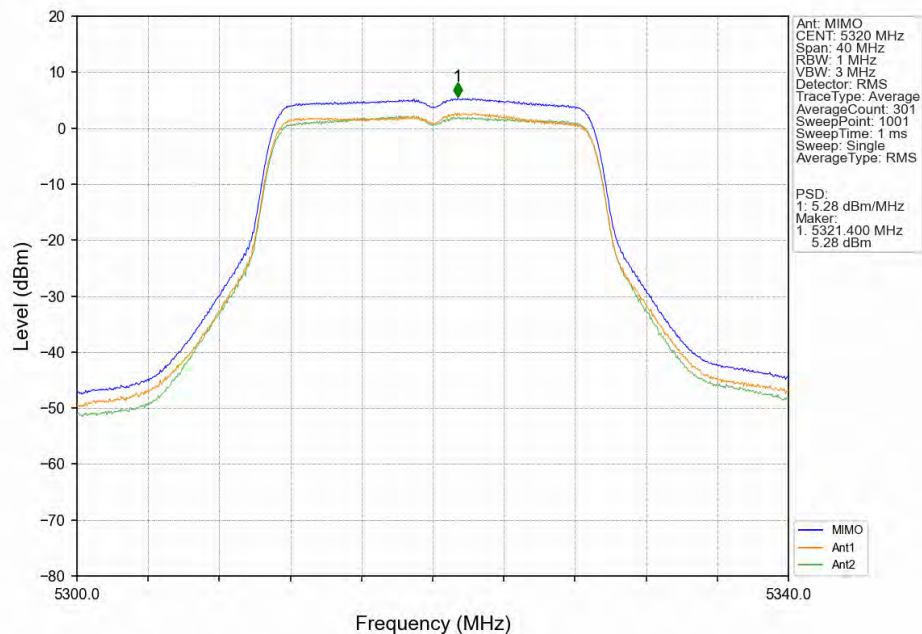
802.11n(HT20)_HCH_5320MHz_Ant1_NTNV



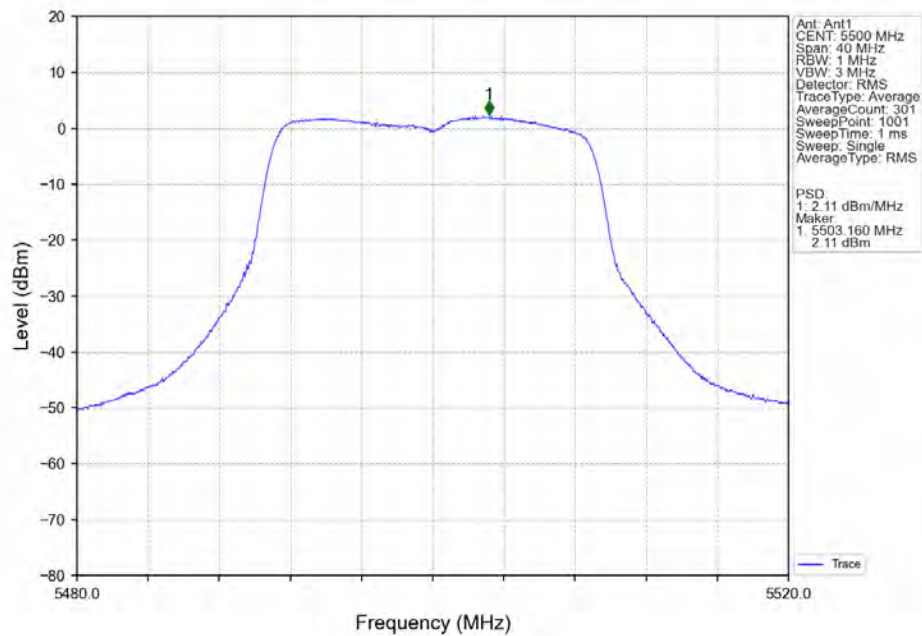
802.11n(HT20)_HCH_5320MHz_Ant5_NTNV



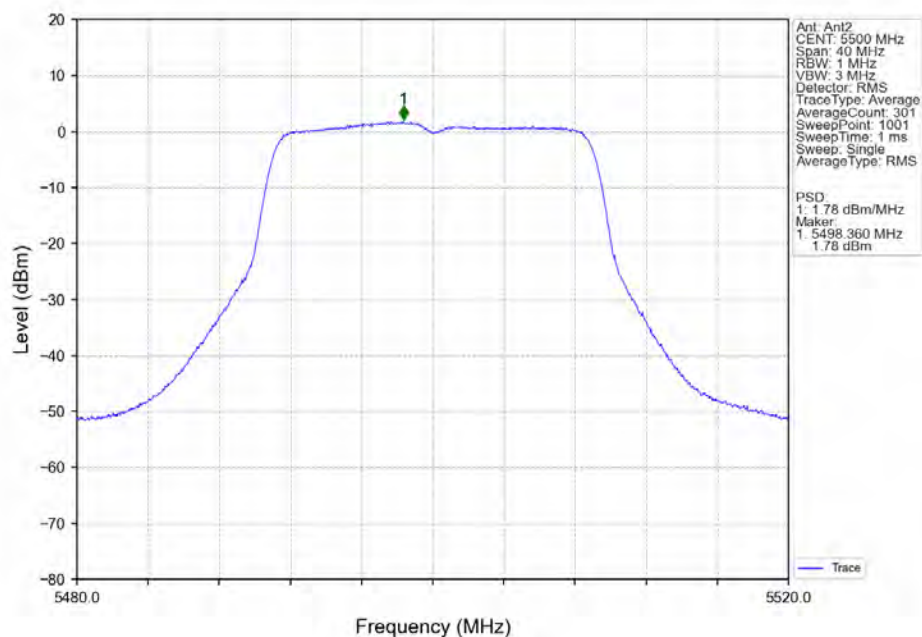
802.11n(HT20)_HCH_5320MHz_MIMO_NTNV



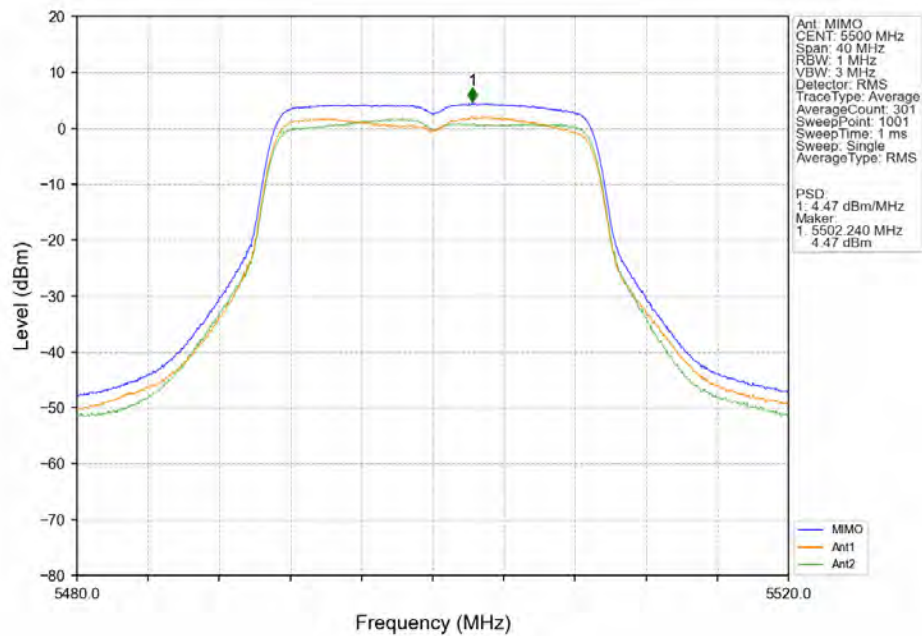
802.11n(HT20)_LCH_5500MHz_Ant1_NTNV



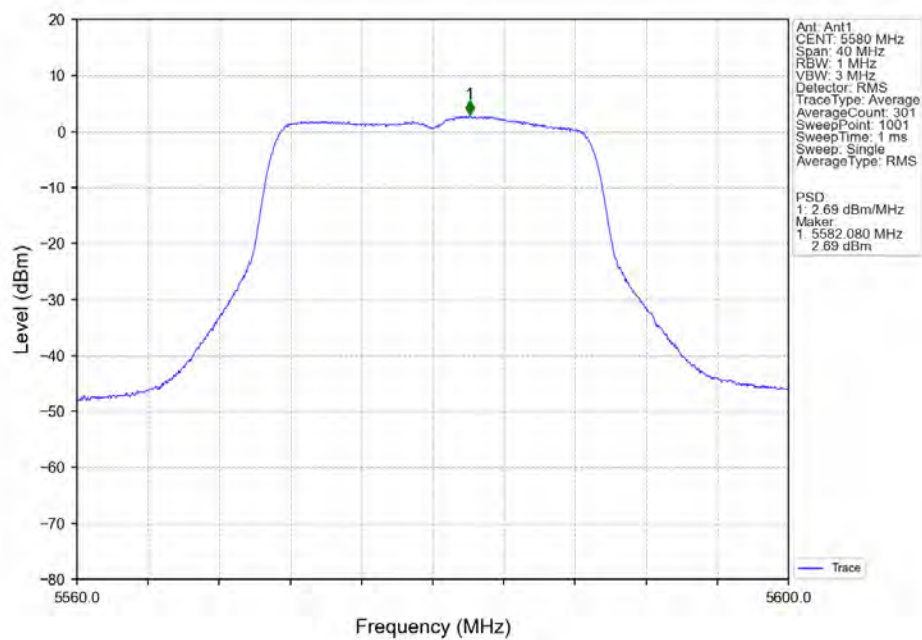
802.11n(HT20)_LCH_5500MHz_Ant5_NTNV



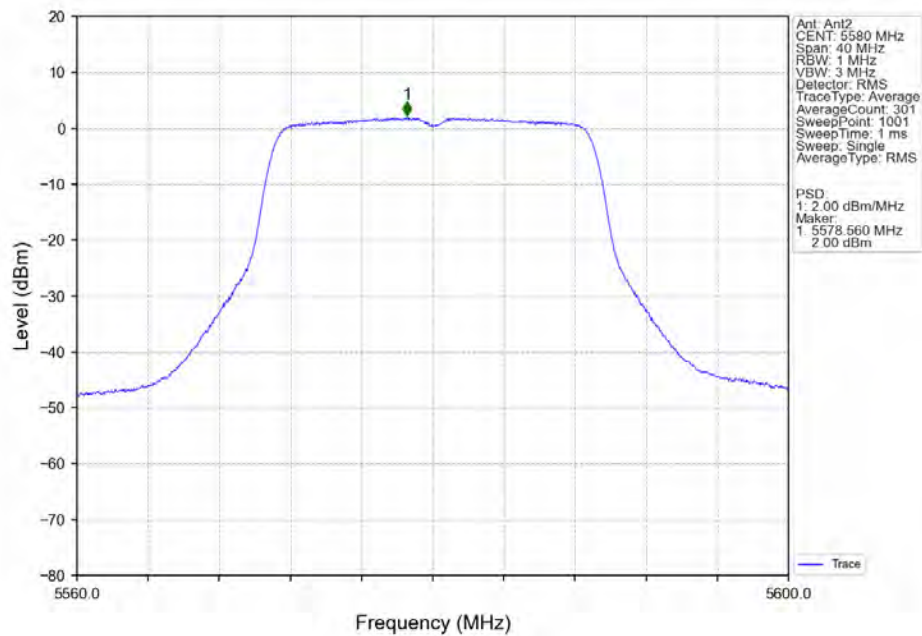
802.11n(HT20)_LCH_5500MHz_MIMO_NTNV



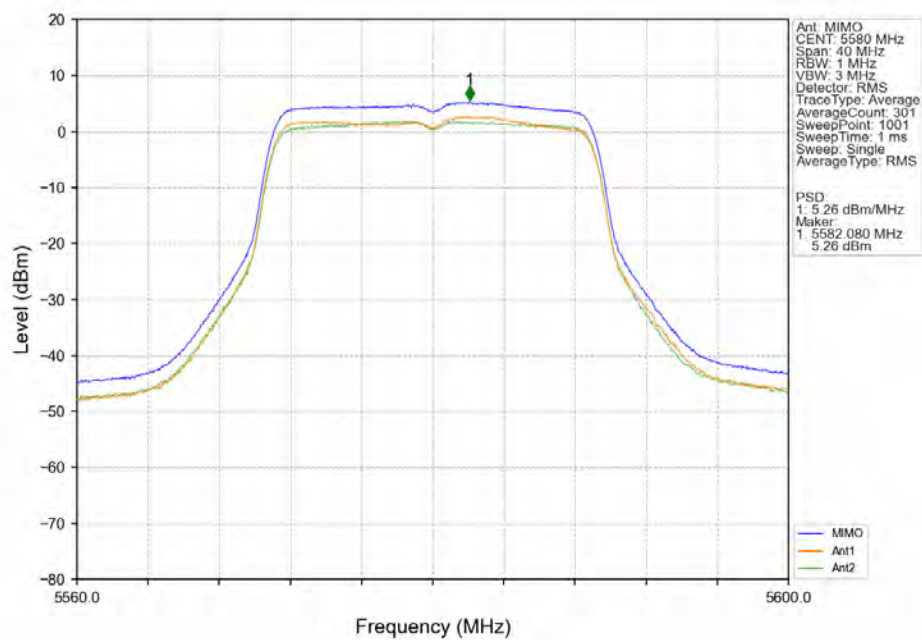
802.11n(HT20)_MCH_5580MHz_Ant1_NTNV



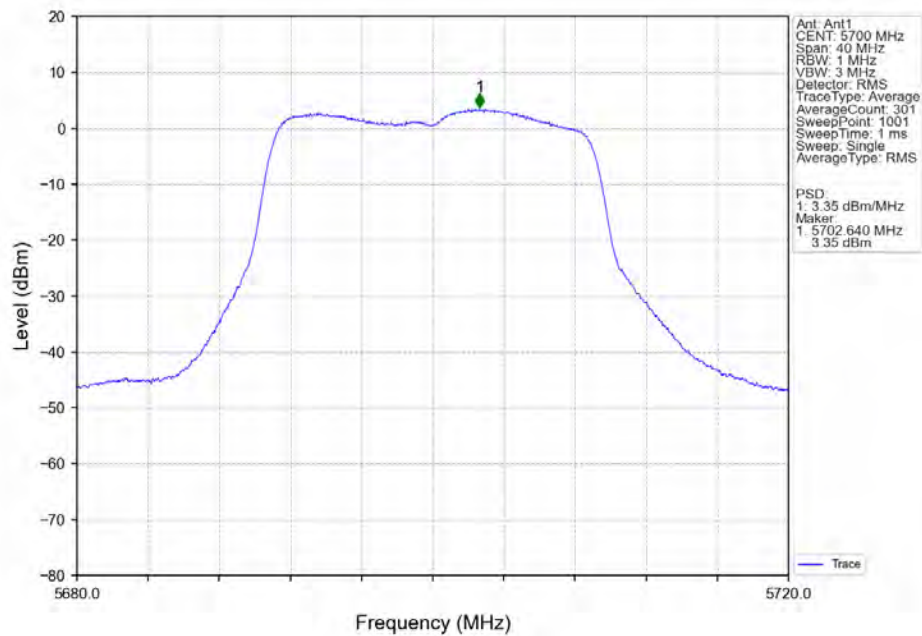
802.11n(HT20)_MCH_5580MHz_Ant5_NTNV



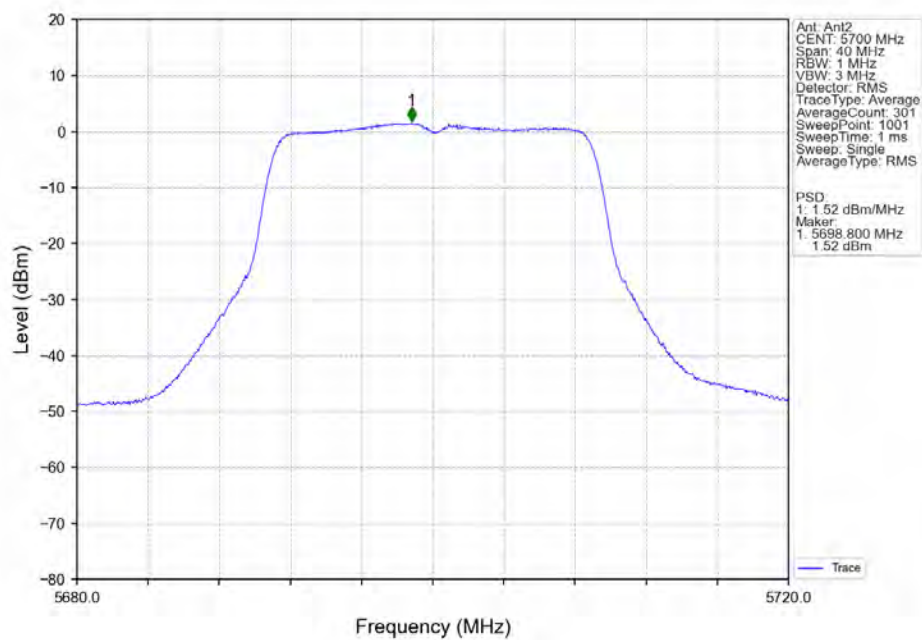
802.11n(HT20)_MCH_5580MHz_MIMO_NTNV



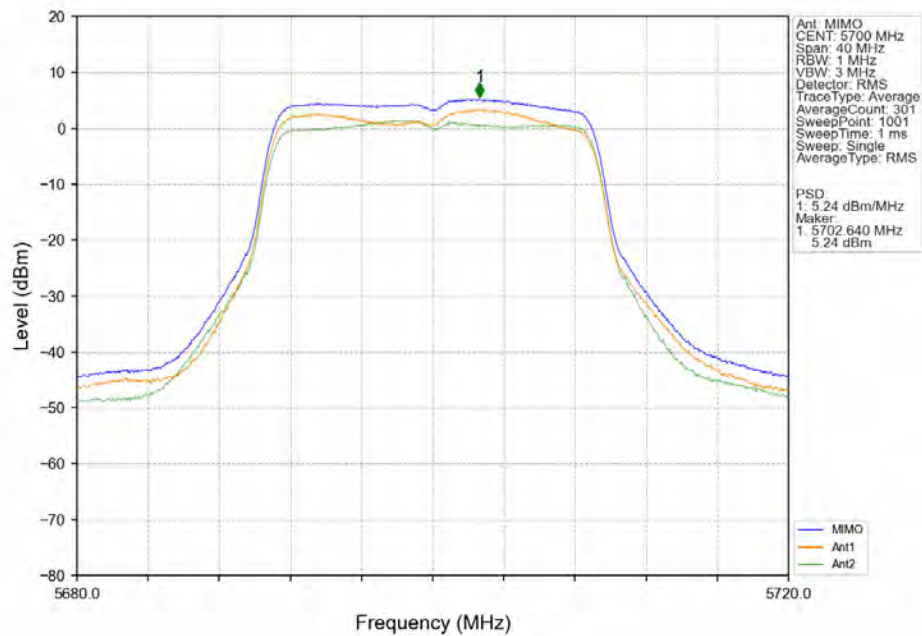
802.11n(HT20)_HCH_5700MHz_Ant1_NTNV



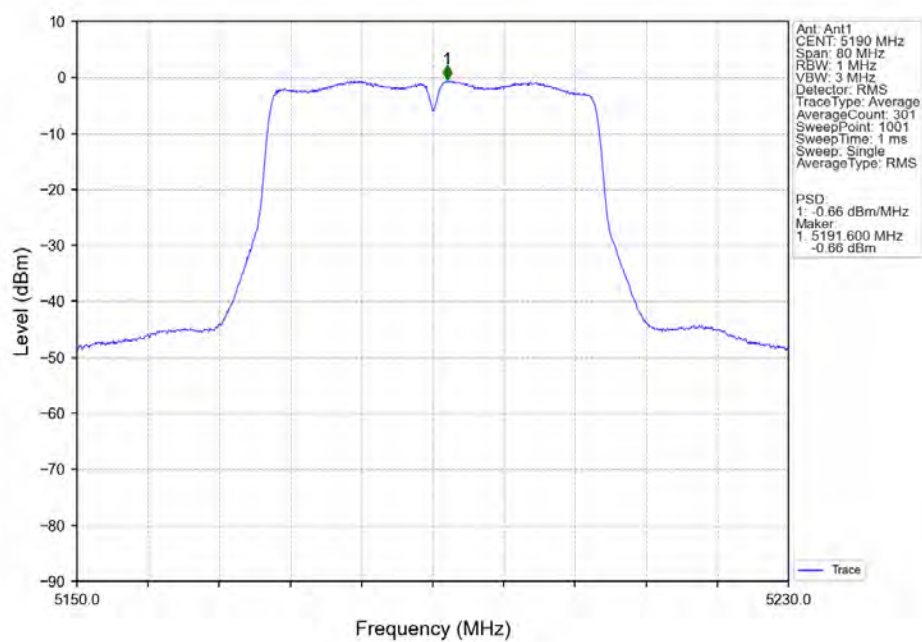
802.11n(HT20)_HCH_5700MHz_Ant5_NTNV



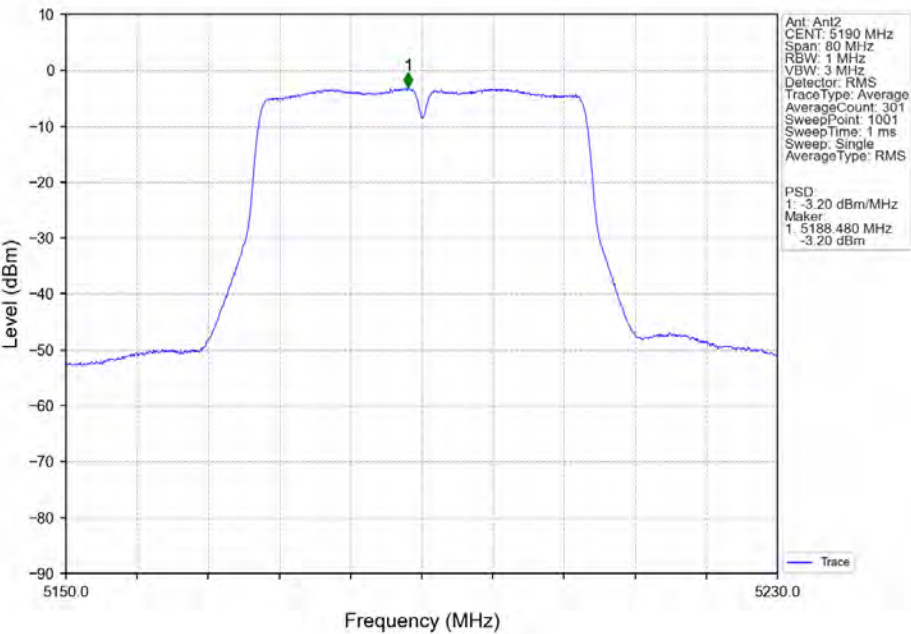
802.11n(HT20)_HCH_5700MHz_MIMO_NTNV



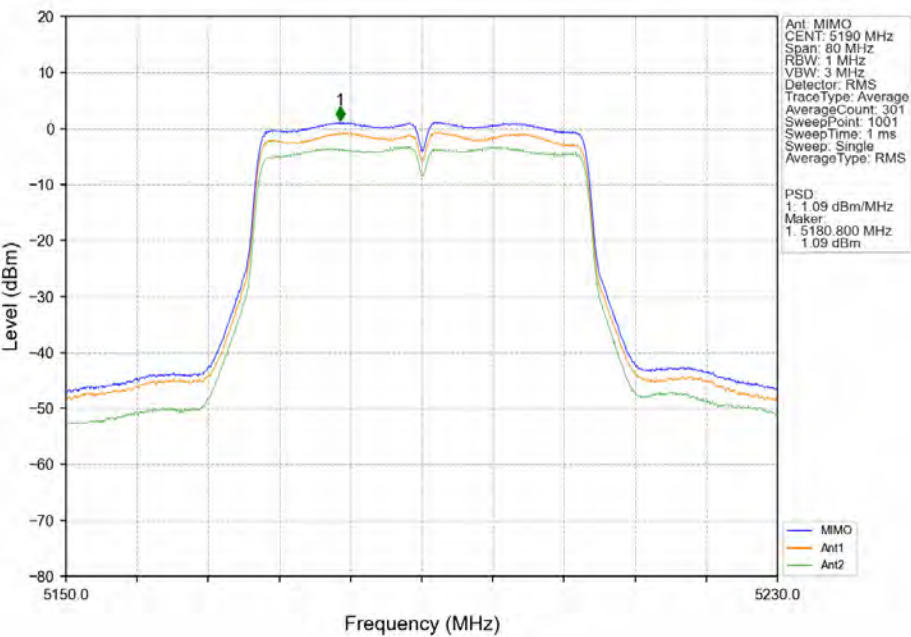
802.11n(HT40)_LCH_5190MHz_Ant1_NTNV



802.11n(HT40)_LCH_5190MHz_Ant5_NTNV



802.11n(HT40)_LCH_5190MHz_MIMO_NTNV



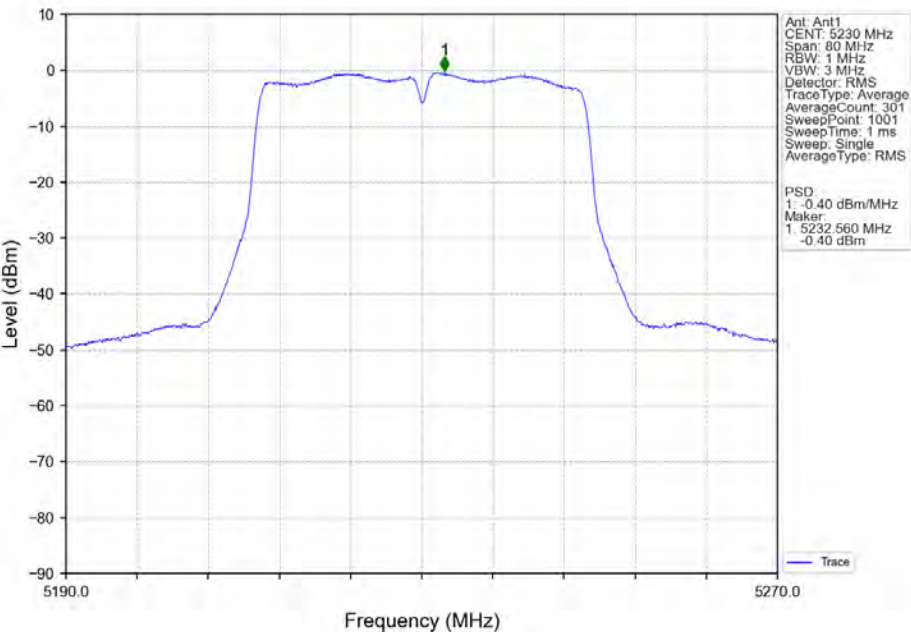
Compliance Certification Services (Kunshan) Inc.

CCSEM-TRF-001 Rev. 02 Sep 01, 2023

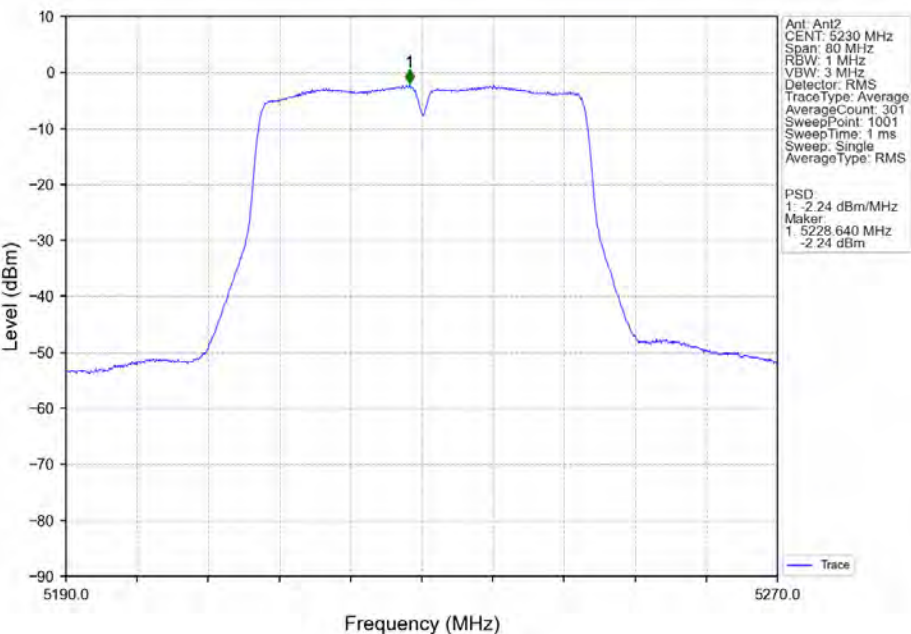
Report No.: KSCR240700121705

Page: 663 of 807

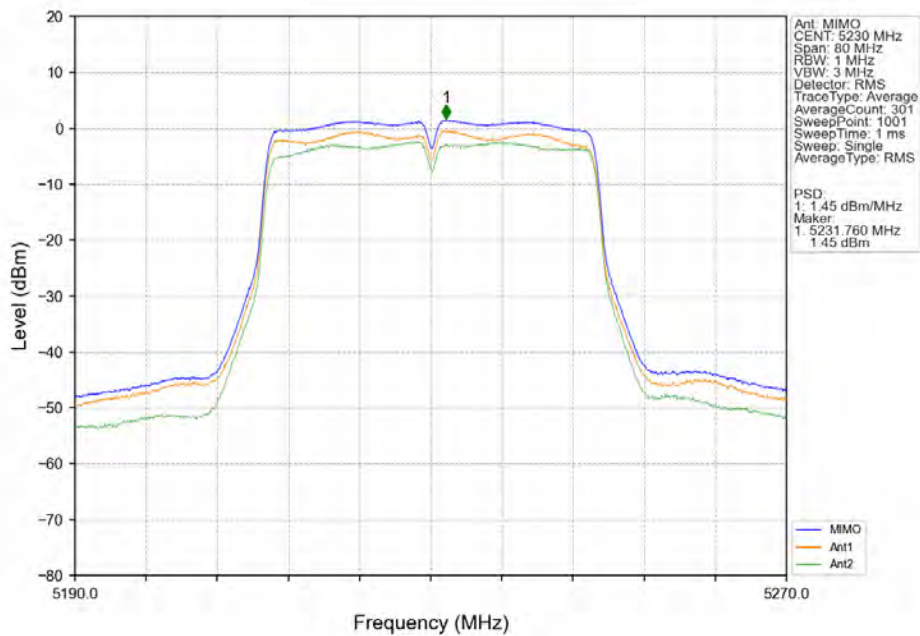
802.11n(HT40)_HCH_5230MHz_Ant1_NTNV



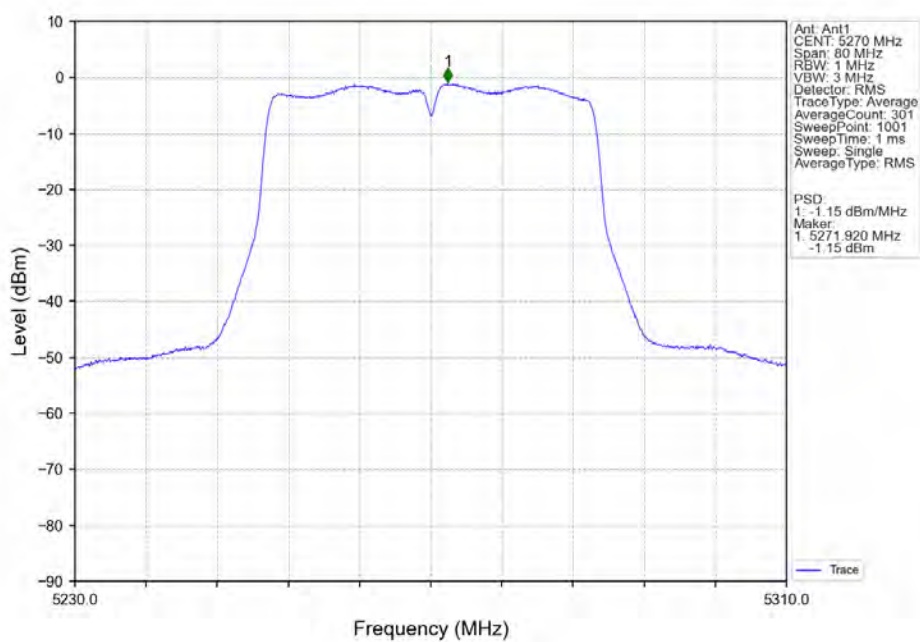
802.11n(HT40)_HCH_5230MHz_Ant5_NTNV



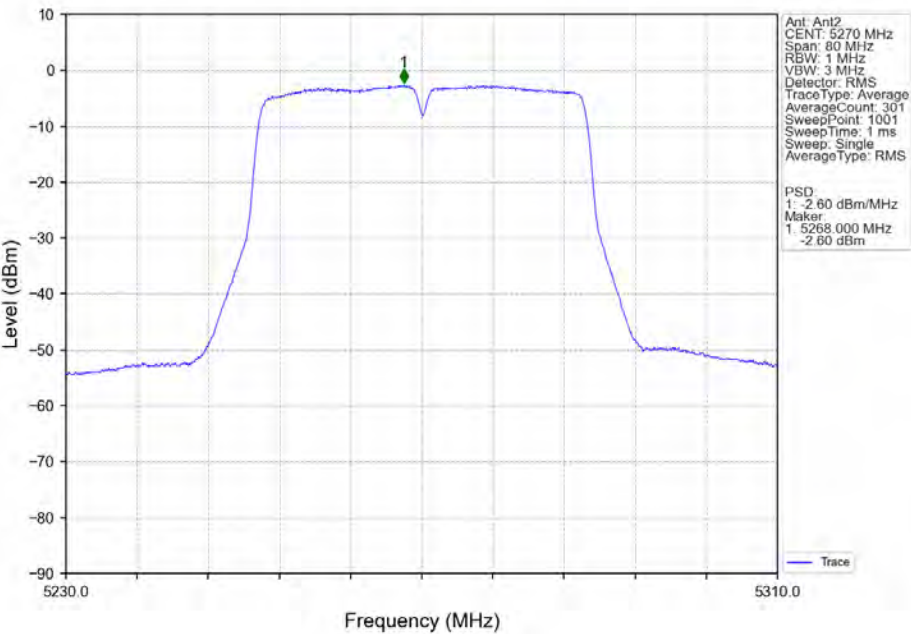
802.11n(HT40)_HCH_5230MHz_MIMO_NTNV



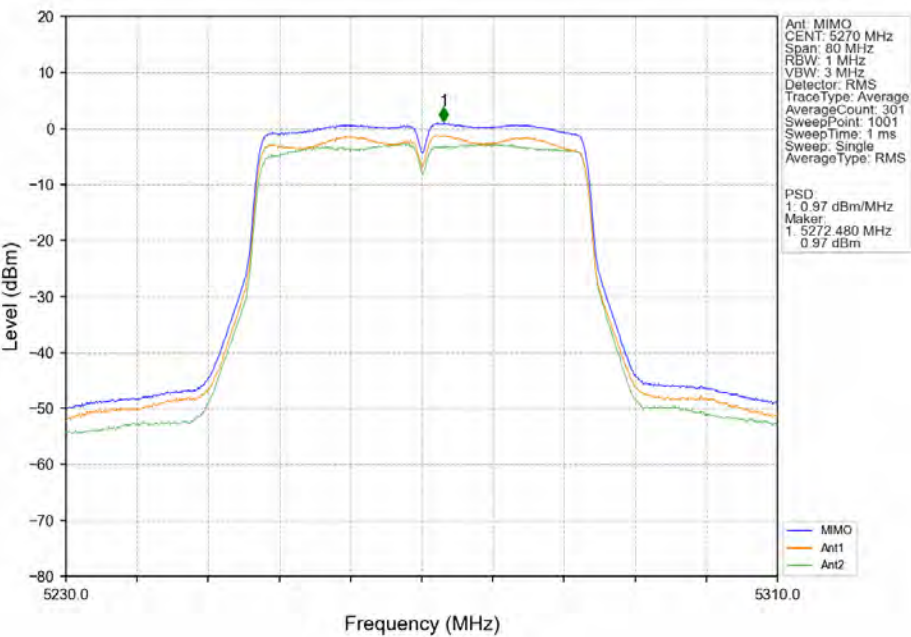
802.11n(HT40)_LCH_5270MHz_Ant1_NTNV



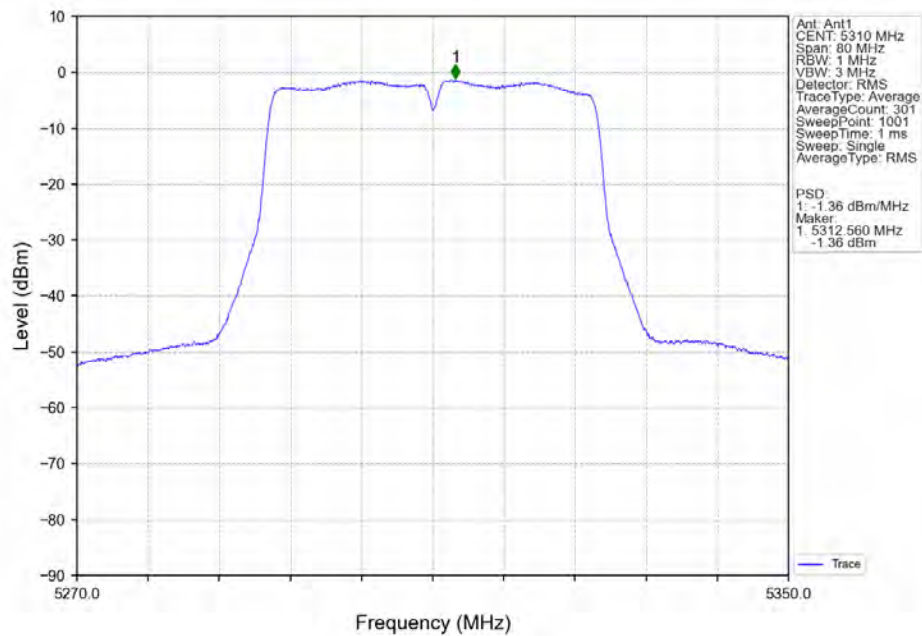
802.11n(HT40)_LCH_5270MHz_Ant5_NTNV



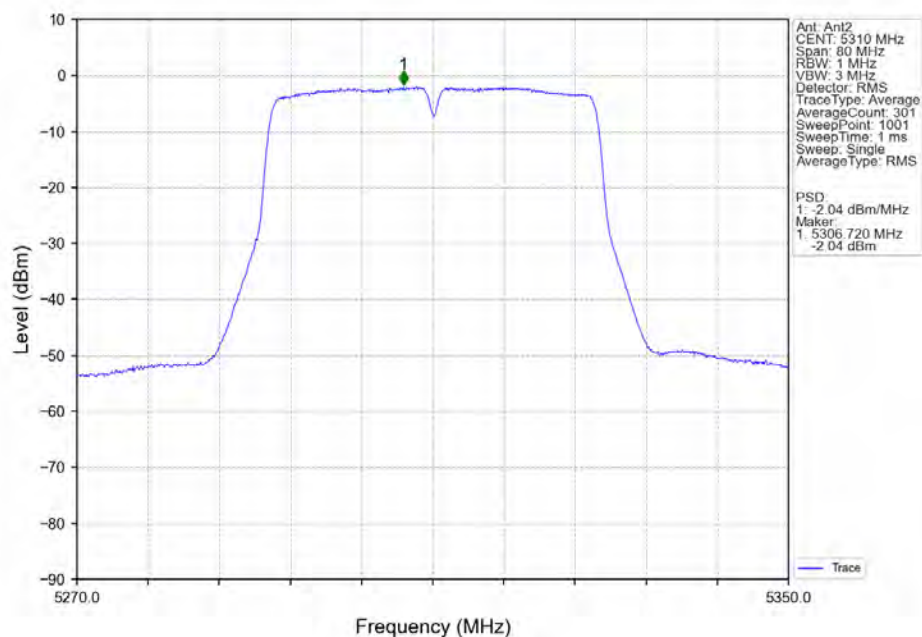
802.11n(HT40)_LCH_5270MHz_MIMO_NTNV



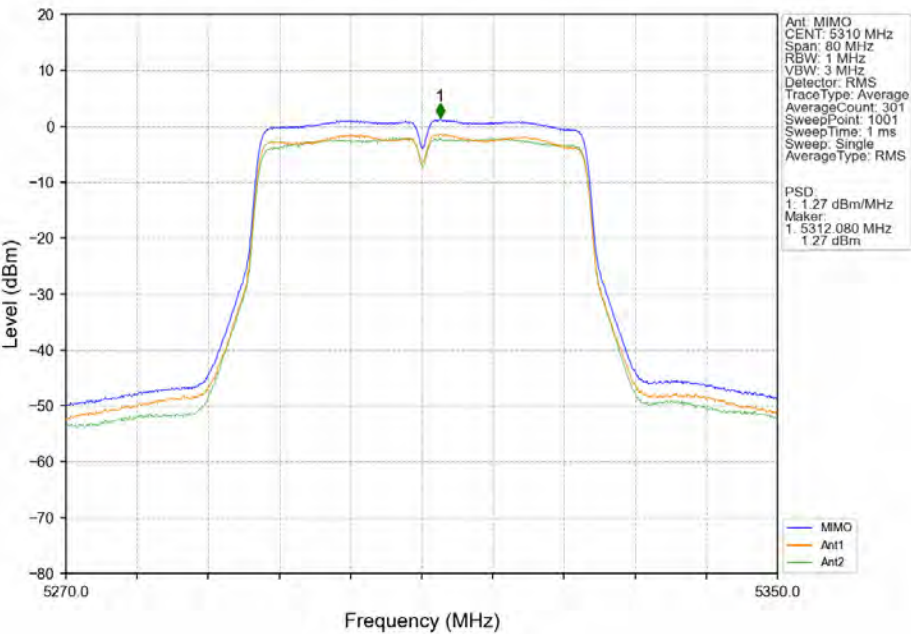
802.11n(HT40)_HCH_5310MHz_Ant1_NTNV



802.11n(HT40)_HCH_5310MHz_Ant5_NTNV



802.11n(HT40)_HCH_5310MHz_MIMO_NTNV



802.11n(HT40)_LCH_5510MHz_Ant1_NTNV

