

Compliance Certification Services (Kunshan) Inc.

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

Report No.: KSCR240900172502

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2. Bandwidth

2.1 Test Result

2.1.1 OBW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	99% Occupied Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	18.388	/	Pass
		5200	/	/	1	18.436	/	Pass
		5240	/	/	1	18.417	/	Pass
		5260	/	/	1	18.533	/	Pass
		5300	/	/	1	18.190	/	Pass
		5320	/	/	1	18.383	/	Pass
		5500	/	/	1	19.074	/	Pass
		5580	/	/	1	19.287	/	Pass
		5700	/	/	1	18.826	/	Pass
		5745	/	/	1	18.615	/	Pass
		5785	/	/	1	18.597	/	Pass
		5825	/	/	1	18.695	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	19.309	/	Pass
		5200	/	/	1	19.379	/	Pass
		5240	/	/	1	19.543	/	Pass
		5260	/	/	1	19.318	/	Pass
		5300	/	/	1	19.435	/	Pass
		5320	/	/	1	19.312	/	Pass
		5500	/	/	1	19.914	/	Pass
		5580	/	/	1	19.824	/	Pass
		5700	/	/	1	19.630	/	Pass
		5745	/	/	1	19.808	/	Pass
		5785	/	/	1	19.778	/	Pass
		5825	/	/	1	19.696	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	37.495	/	Pass
		5230	/	/	1	37.619	/	Pass
		5270	/	/	1	37.571	/	Pass
		5310	/	/	1	37.545	/	Pass
		5510	/	/	1	37.976	/	Pass
		5550	/	/	1	38.233	/	Pass
		5670	/	/	1	37.917	/	Pass
		5755	/	/	1	38.047	/	Pass
802.11ax (HEW20)	SISO	5795	/	/	1	38.049	/	Pass
		5180	RU242	Left	1	19.839	/	Pass
		5200	RU242	Left	1	19.927	/	Pass
		5240	RU242	Left	1	19.910	/	Pass
		5260	RU242	Left	1	19.852	/	Pass
		5300	RU242	Left	1	19.995	/	Pass
		5320	RU242	Left	1	19.907	/	Pass
		5500	RU242	Left	1	20.180	/	Pass
		5580	RU242	Left	1	20.117	/	Pass

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		5700	RU242	Left	1	20.189	/	Pass
		5745	RU242	Left	1	20.226	/	Pass
		5785	RU242	Left	1	20.074	/	Pass
		5825	RU242	Left	1	20.105	/	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	1	38.703	/	Pass
		5230	RU484	Left	1	39.186	/	Pass
		5270	RU484	Left	1	38.916	/	Pass
		5310	RU484	Left	1	38.627	/	Pass
		5510	RU484	Left	1	39.545	/	Pass
		5550	RU484	Left	1	39.072	/	Pass
		5670	RU484	Left	1	39.016	/	Pass
		5755	RU484	Left	1	39.406	/	Pass
		5795	RU484	Left	1	39.525	/	Pass

2.1.2 6dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	6dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5745	/	/	1	16.384	>=0.5	Pass
		5785	/	/	1	16.406	>=0.5	Pass
		5825	/	/	1	16.389	>=0.5	Pass
802.11ac (VHT20)	SISO	5745	/	/	1	17.635	>=0.5	Pass
		5785	/	/	1	17.647	>=0.5	Pass
		5825	/	/	1	17.616	>=0.5	Pass
802.11ac (VHT40)	SISO	5755	/	/	1	36.396	>=0.5	Pass
		5795	/	/	1	36.393	>=0.5	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	1	19.009	>=0.5	Pass
		5785	RU242	Left	1	18.982	>=0.5	Pass
		5825	RU242	Left	1	19.032	>=0.5	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	1	37.975	>=0.5	Pass
		5795	RU484	Left	1	38.073	>=0.5	Pass

2.1.3 26dB BW

Mode	TX Type	Frequency (MHz)	RU	RU Pos	ANT	26dB Bandwidth (MHz)		Verdict
						Result	Limit	
802.11a	SISO	5180	/	/	1	22.383	/	Pass
		5200	/	/	1	23.086	/	Pass
		5240	/	/	1	24.023	/	Pass
		5260	/	/	1	25.159	/	Pass
		5300	/	/	1	24.104	/	Pass
		5320	/	/	1	23.394	/	Pass
		5500	/	/	1	26.950	/	Pass
		5580	/	/	1	28.446	/	Pass
		5700	/	/	1	25.296	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	1	24.595	/	Pass
		5200	/	/	1	25.638	/	Pass
		5240	/	/	1	24.548	/	Pass
		5260	/	/	1	23.453	/	Pass
		5300	/	/	1	24.255	/	Pass
		5320	/	/	1	23.820	/	Pass



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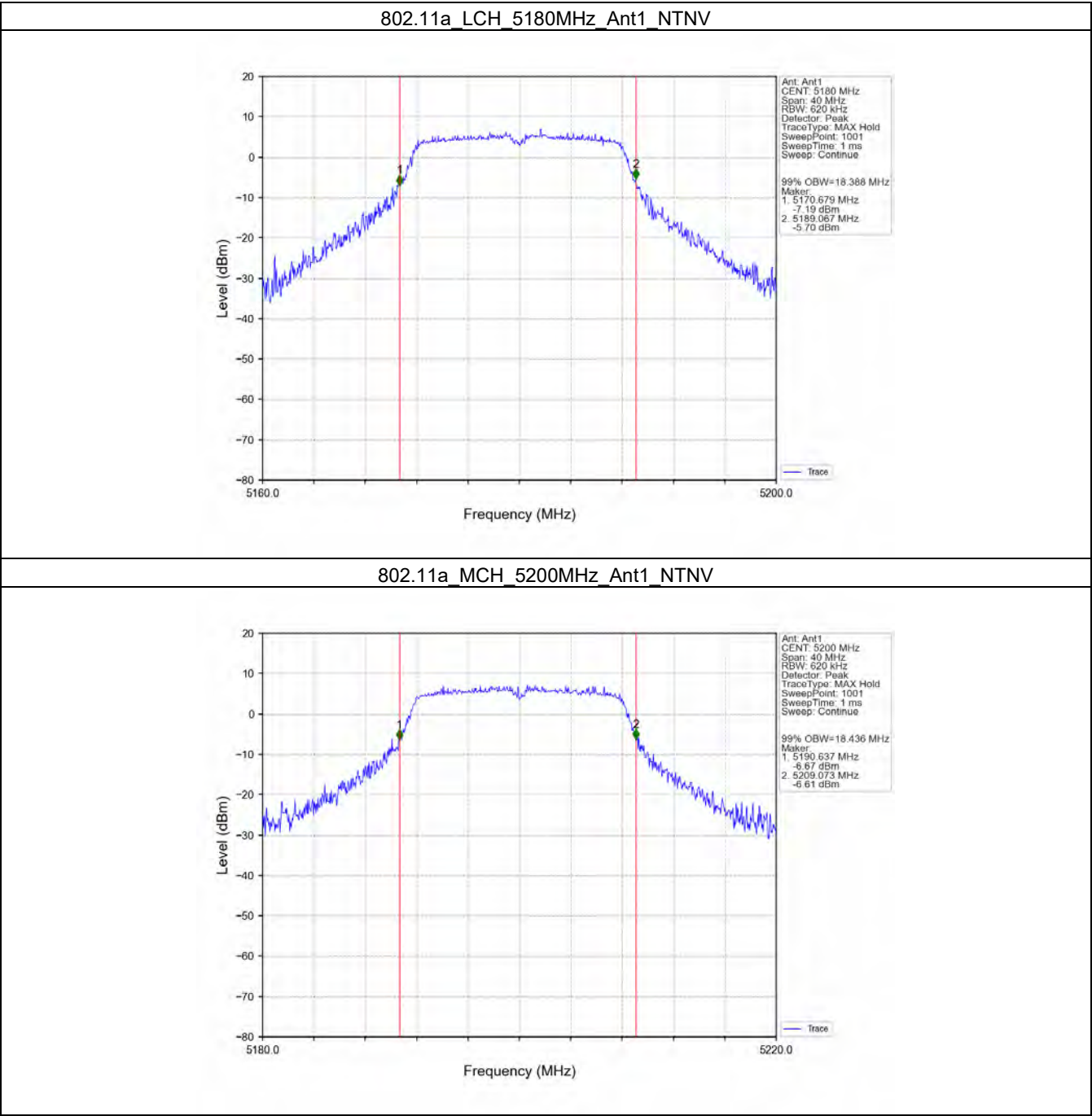
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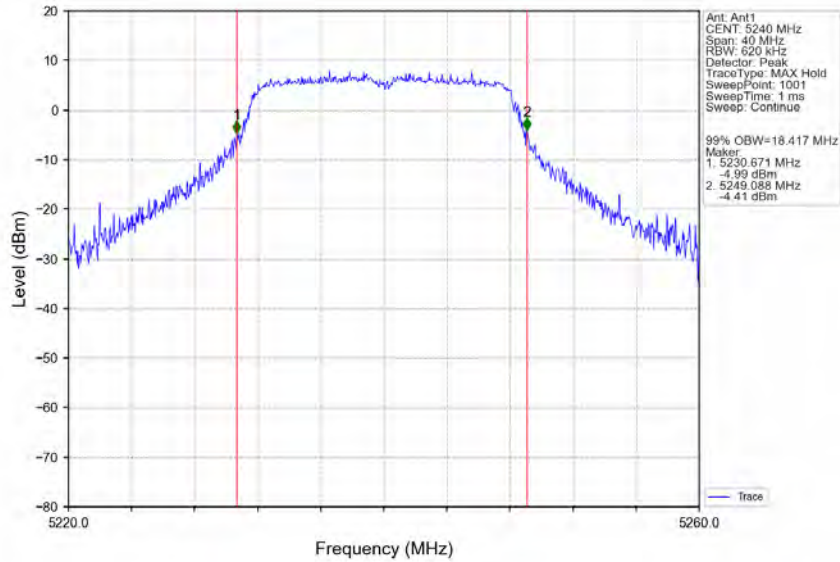
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		5700	/	/	1	25.291	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	1	45.034	/	Pass
		5230	/	/	1	46.065	/	Pass
		5270	/	/	1	45.457	/	Pass
		5310	/	/	1	45.369	/	Pass
		5510	/	/	1	53.361	/	Pass
		5550	/	/	1	48.038	/	Pass
		5670	/	/	1	46.558	/	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	1	24.090	/	Pass
		5200	RU242	Left	1	24.816	/	Pass
		5240	RU242	Left	1	25.222	/	Pass
		5260	RU242	Left	1	25.528	/	Pass
		5300	RU242	Left	1	25.050	/	Pass
		5320	RU242	Left	1	25.233	/	Pass
		5500	RU242	Left	1	27.455	/	Pass
		5580	RU242	Left	1	27.253	/	Pass
802.11ax (HEW40)	SISO	5700	RU242	Left	1	25.339	/	Pass
		5190	RU484	Left	1	44.156	/	Pass
		5230	RU484	Left	1	53.703	/	Pass
		5270	RU484	Left	1	52.532	/	Pass
		5310	RU484	Left	1	45.803	/	Pass
		5510	RU484	Left	1	53.577	/	Pass
		5550	RU484	Left	1	50.826	/	Pass
		5670	RU484	Left	1	45.402	/	Pass

2.2 Test Graph

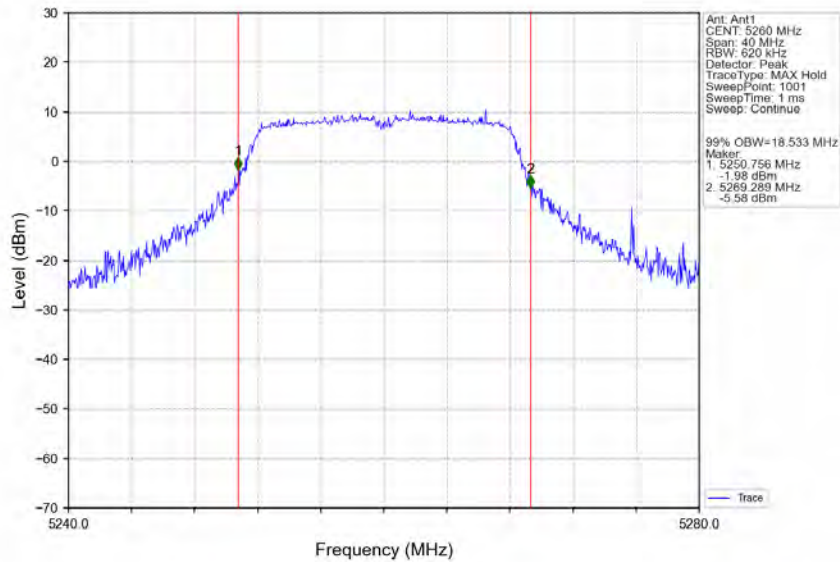
2.2.1 OBW



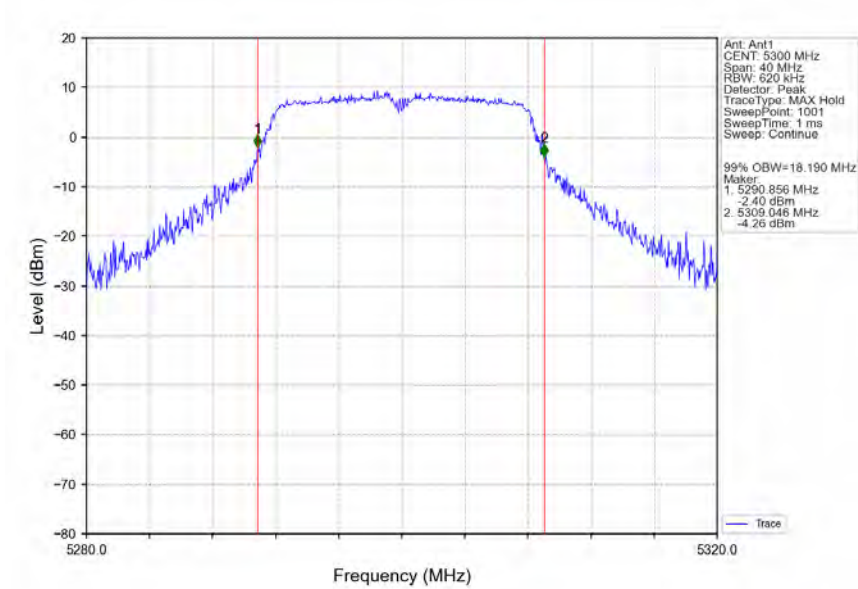
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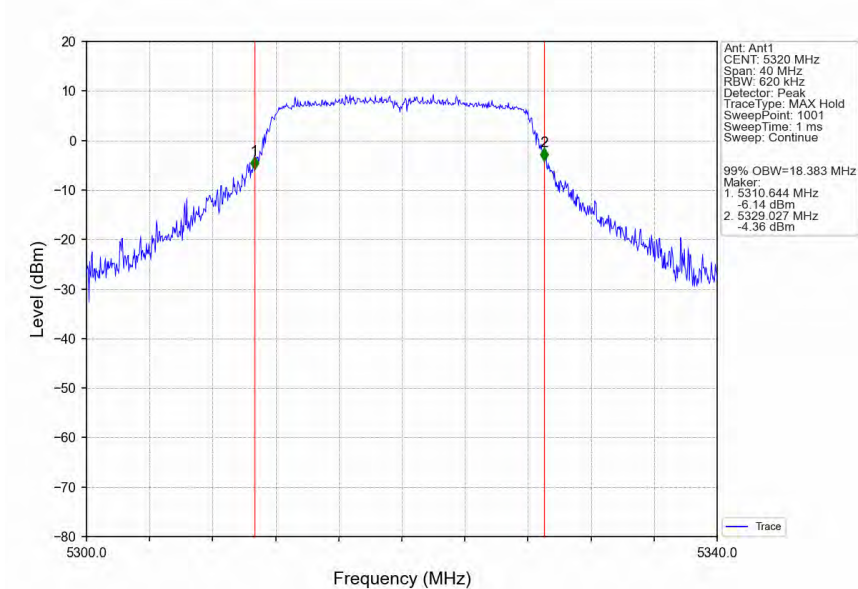
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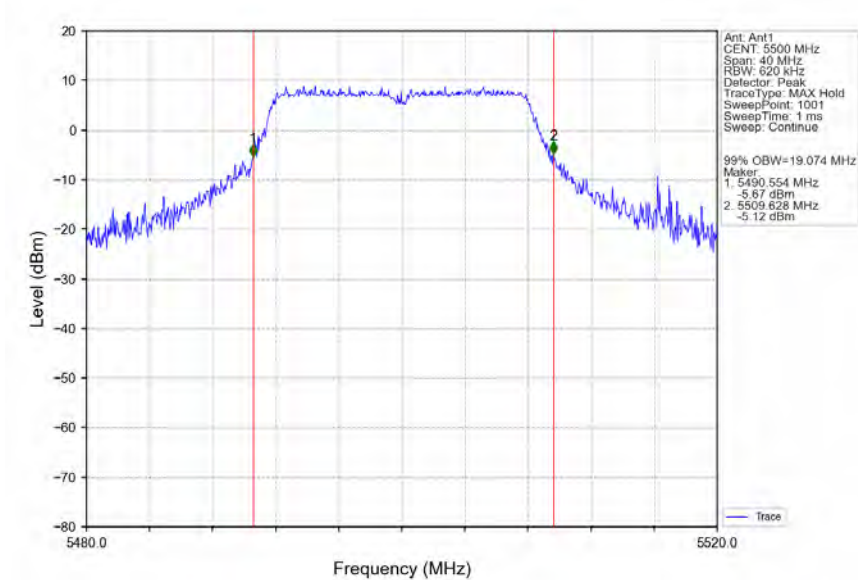
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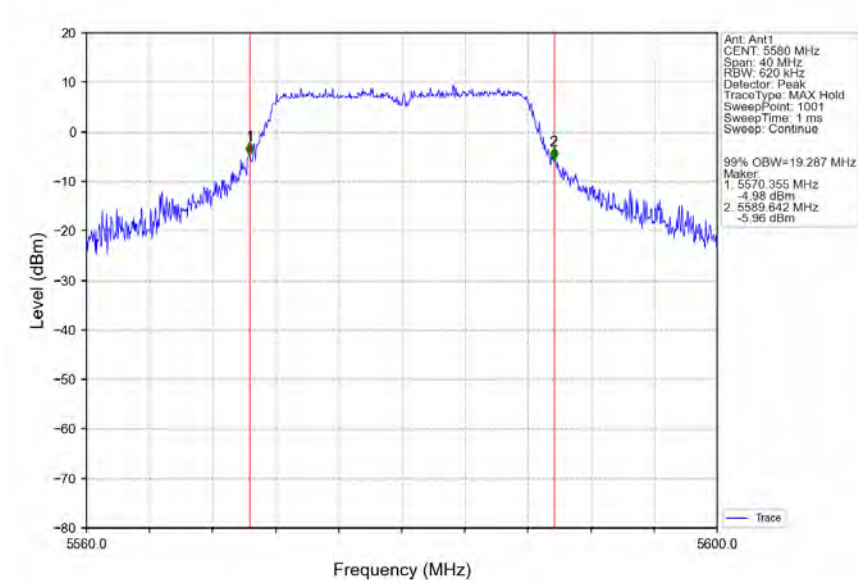
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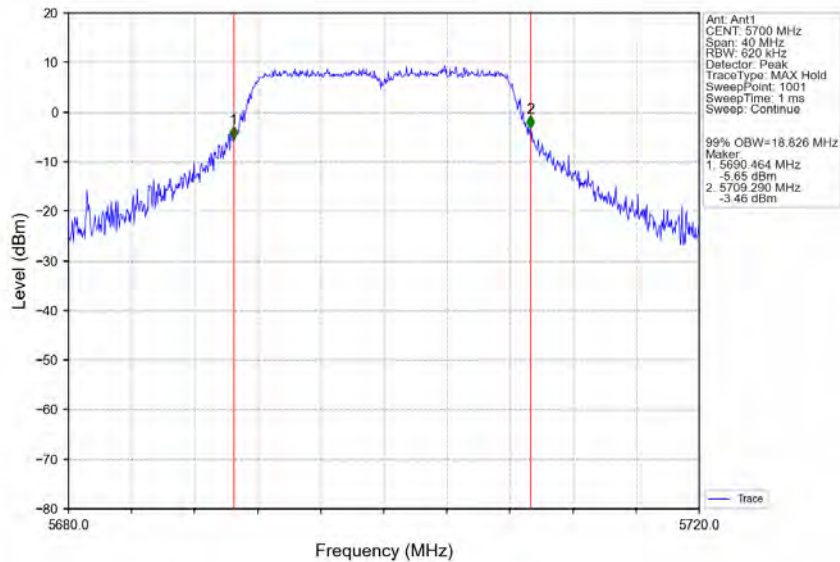
802.11a LCH 5500MHz Ant1 NTNV



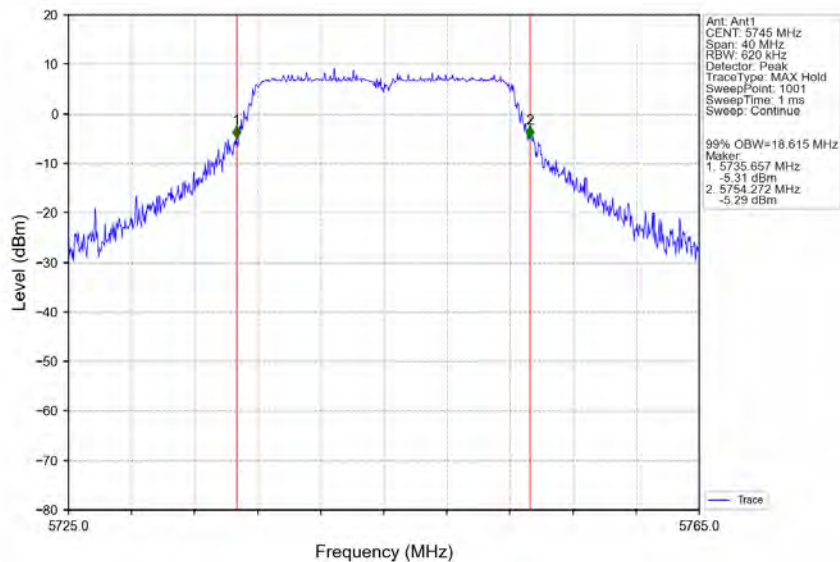
802.11a MCH 5580MHz Ant1 NTNV



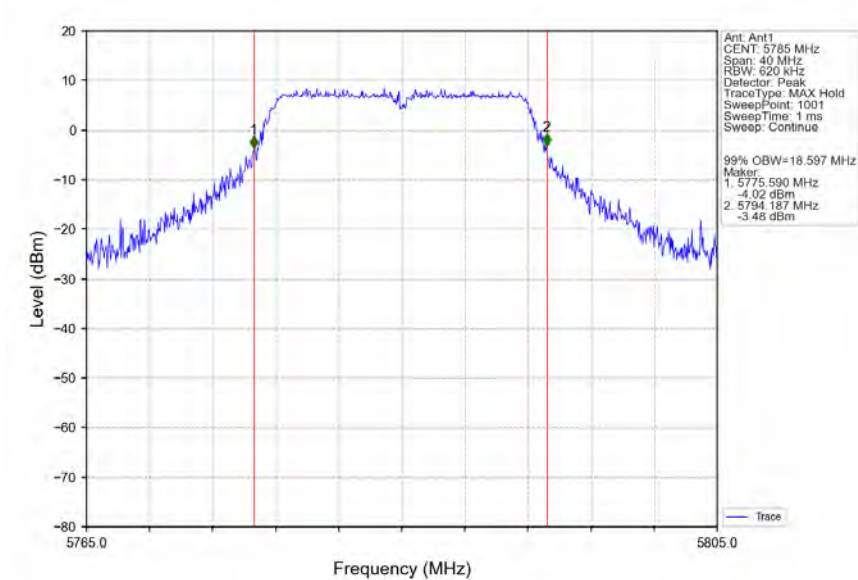
802.11a HCH 5700MHz Ant1 NTNV



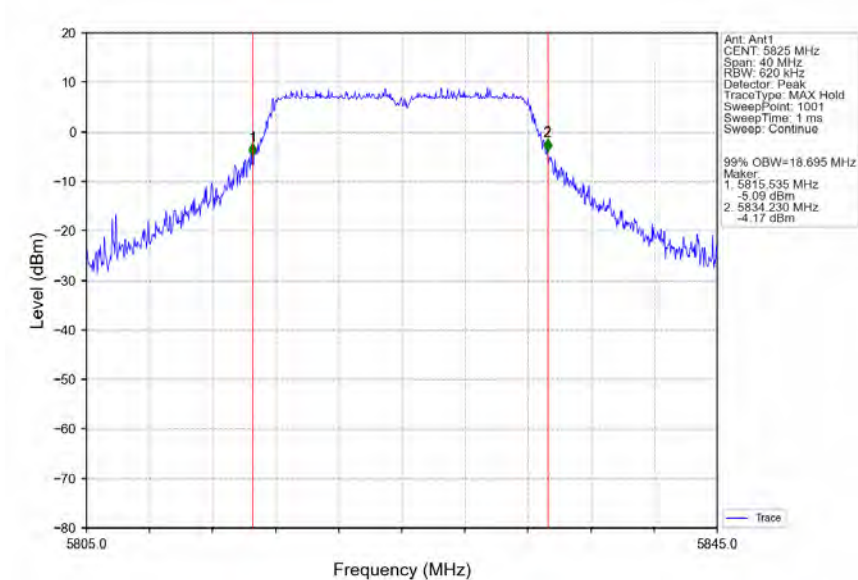
802.11a LCH 5745MHz Ant1 NTNV



802.11a MCH 5785MHz Ant1 NTN



802.11a HCH 5825MHz Ant1 NTN



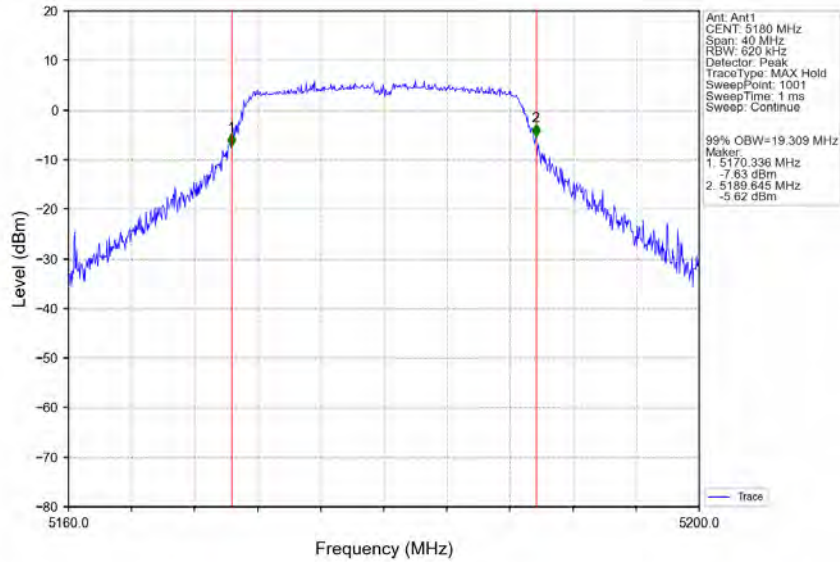
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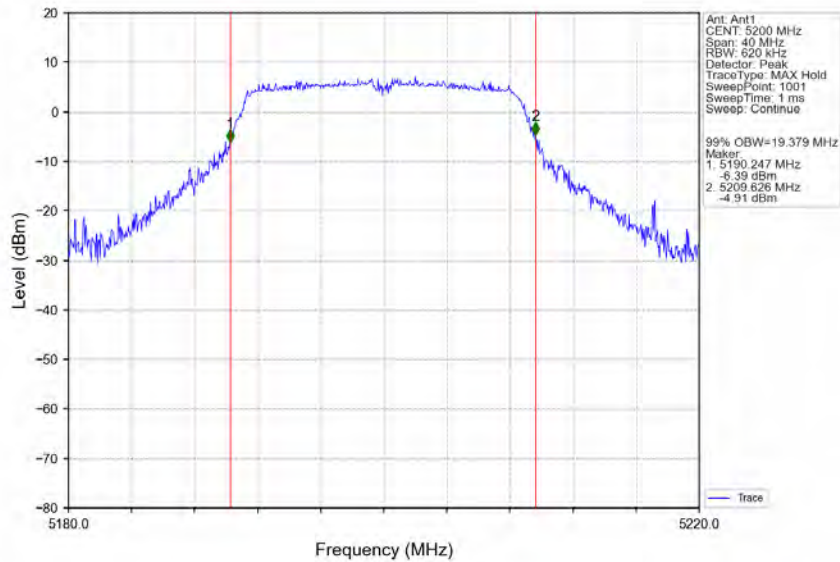
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802.11ac(VHT20) LCH 5180MHz Ant1 NTN



802.11ac(VHT20) MCH 5200MHz Ant1 NTN



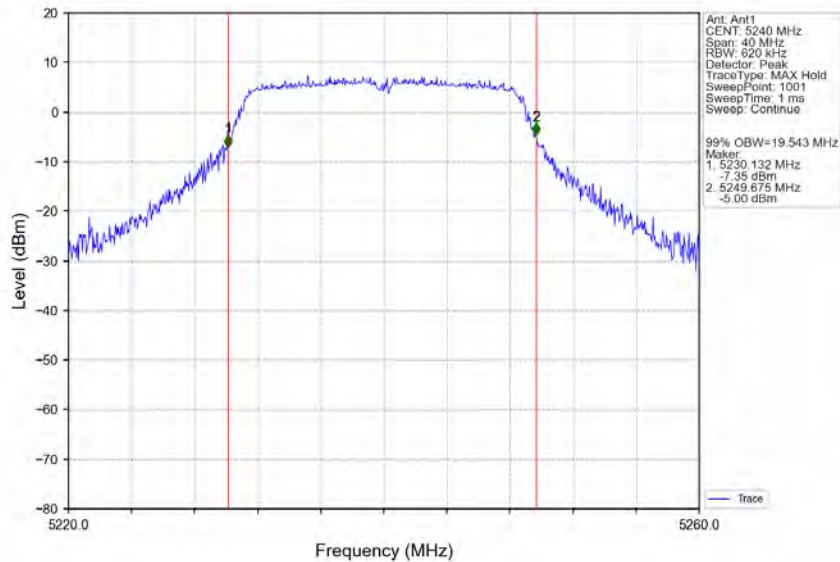
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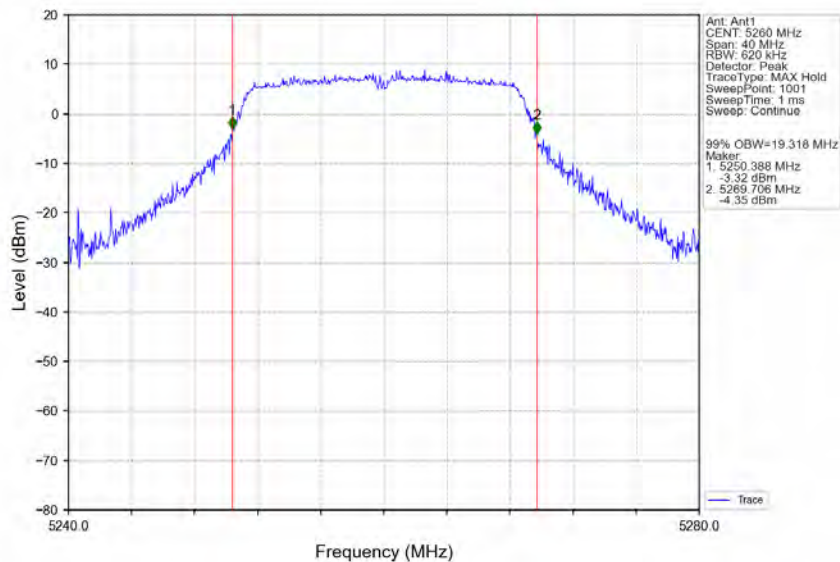
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802.11ac(VHT20) HCH 5240MHz Ant1 NTN



802.11ac(VHT20) LCH 5260MHz Ant1 NTN



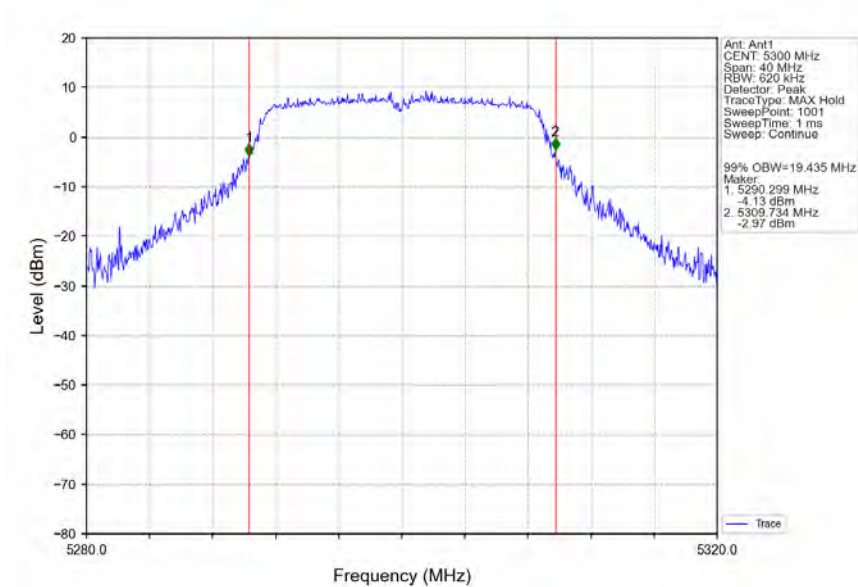
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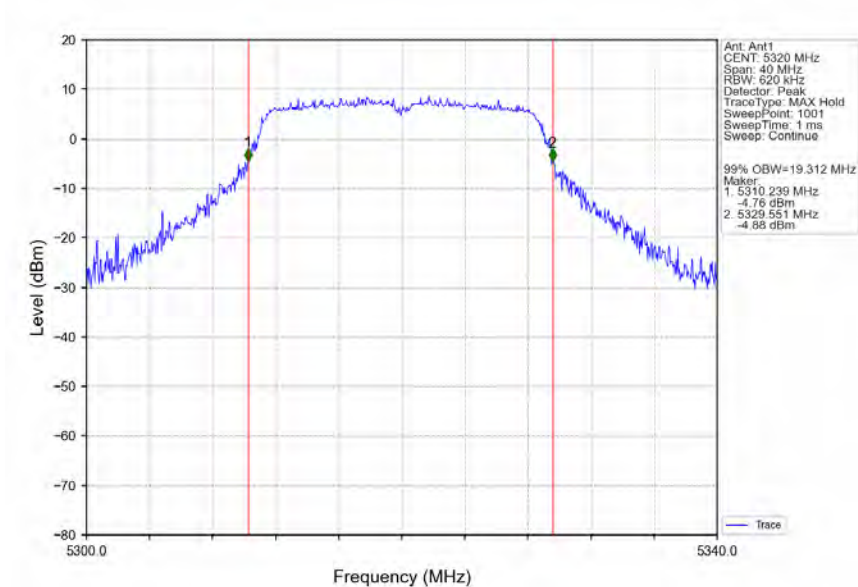
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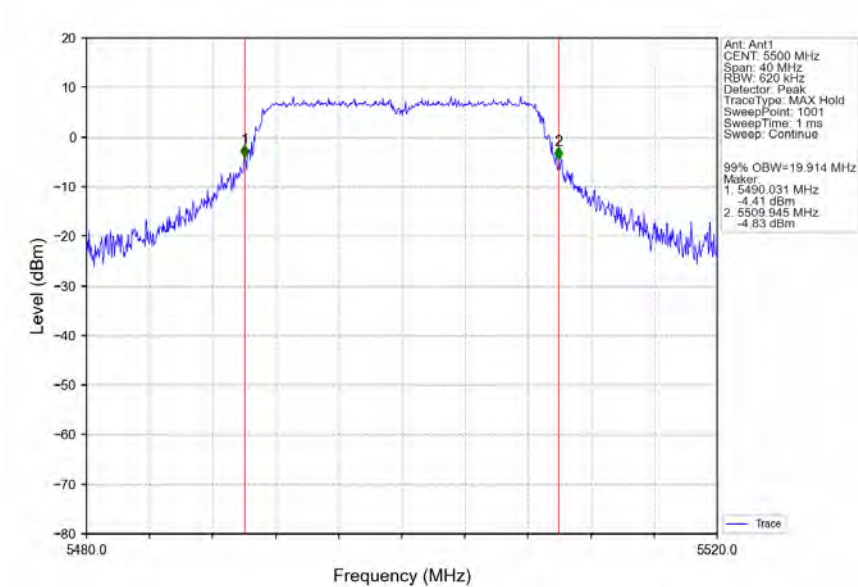
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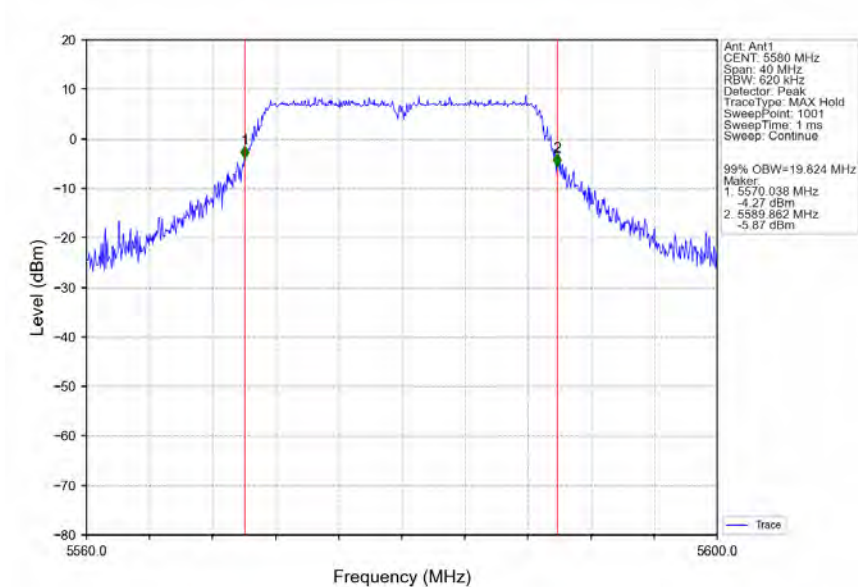
802.11ac(VHT20) HCH_5320MHz_Ant1_NTNV



802.11ac(VHT20) LCH 5500MHz Ant1 NTN



802.11ac(VHT20) MCH 5580MHz Ant1 NTN



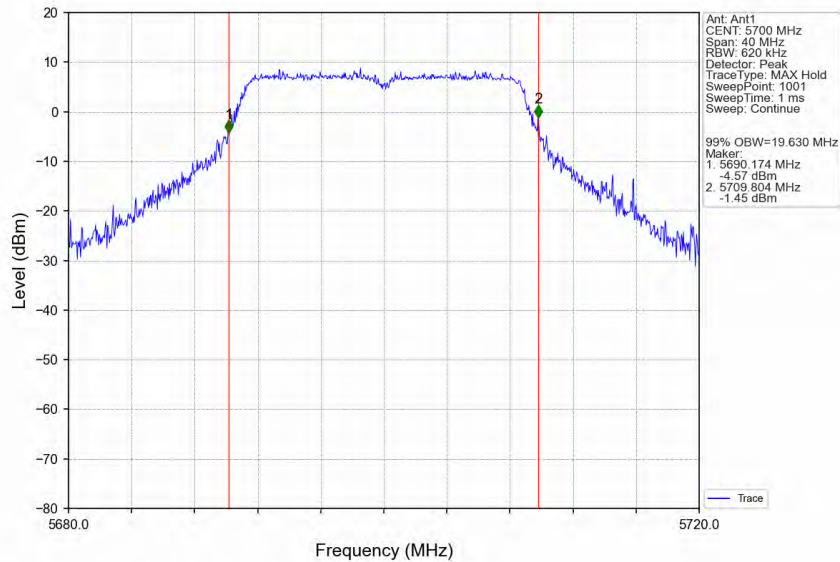
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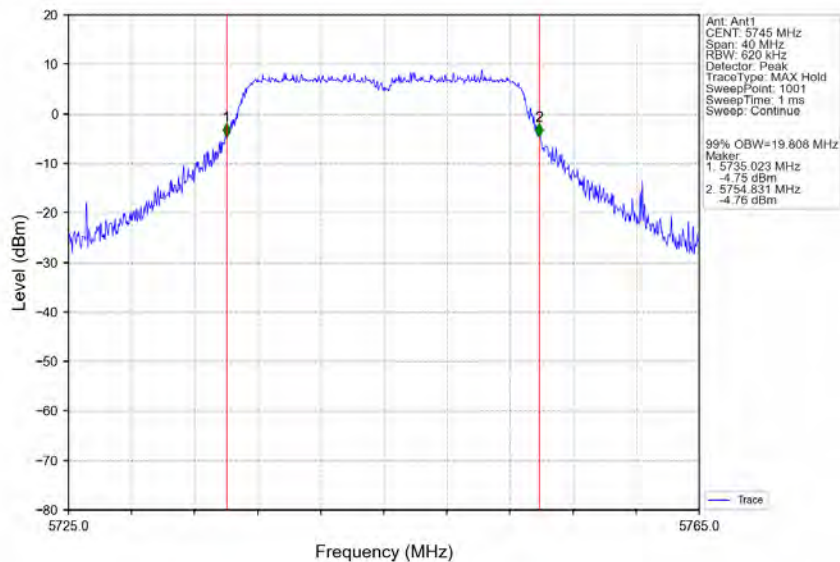
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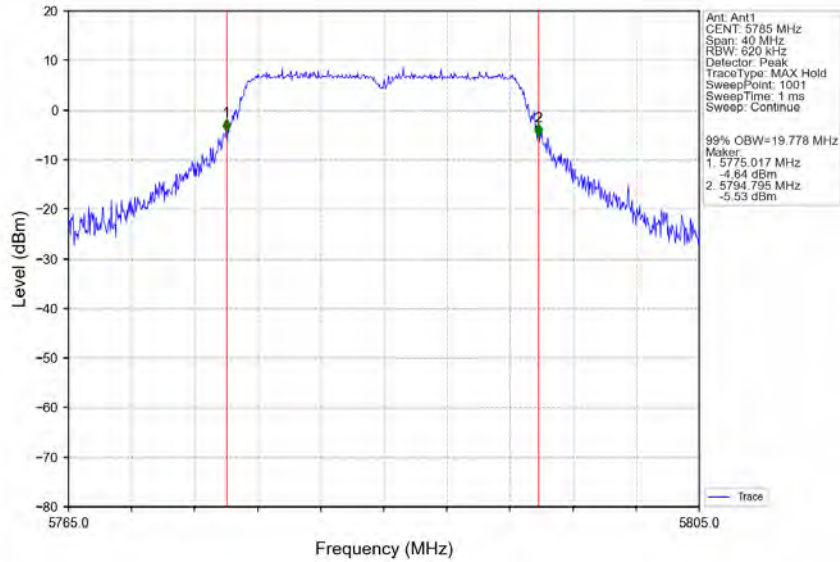
802.11ac(VHT20) HCH 5700MHz Ant1 NTN



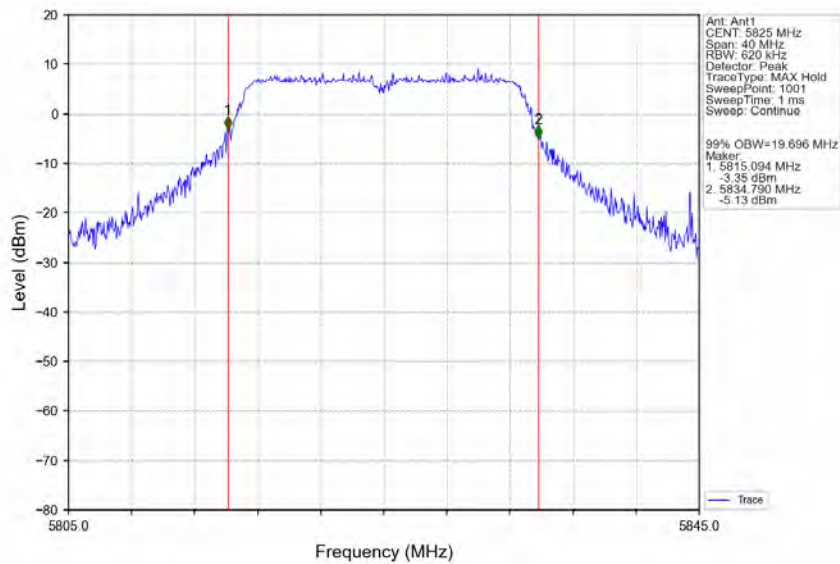
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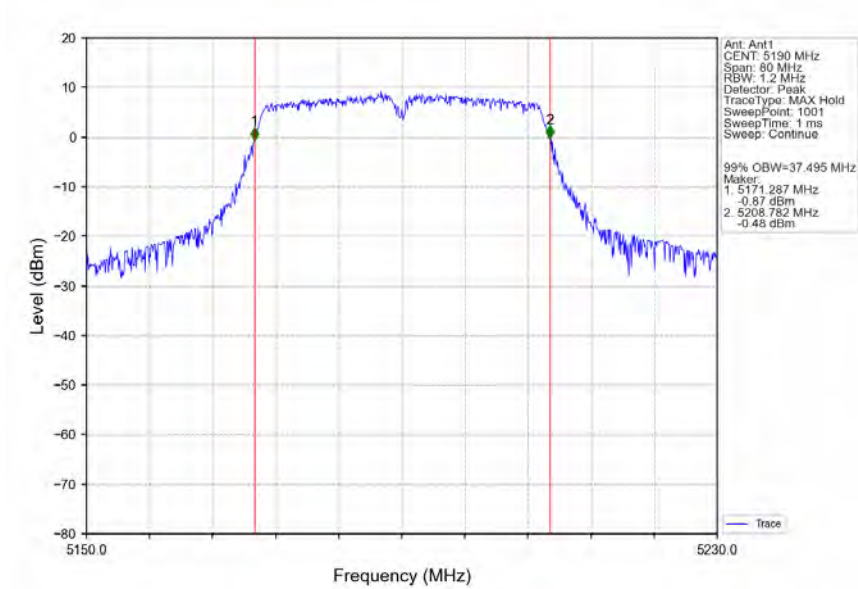
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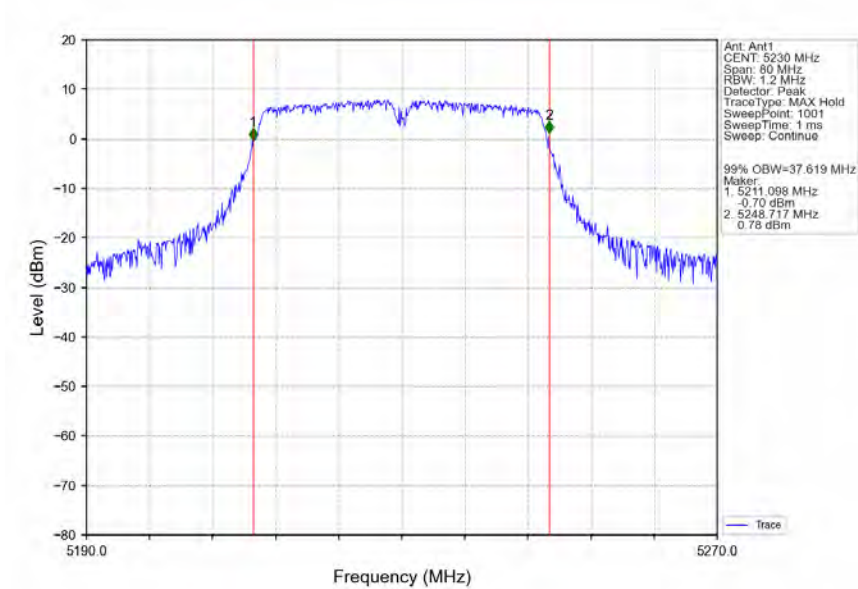
802.11ac(VHT20) HCH_5825MHz_Ant1_NTNV



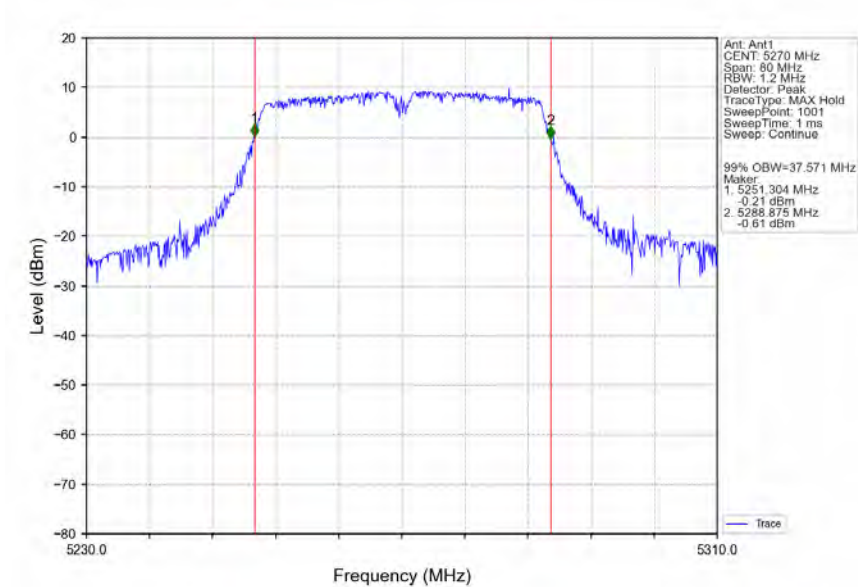
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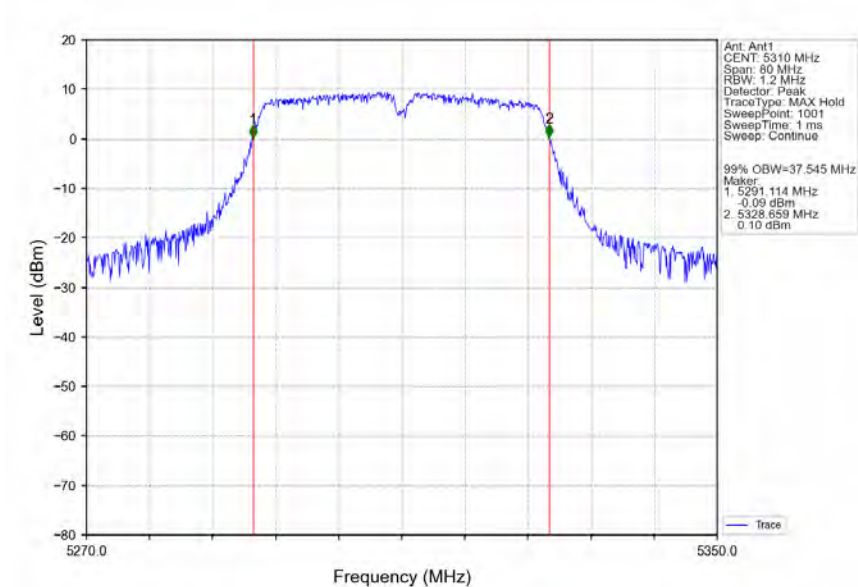
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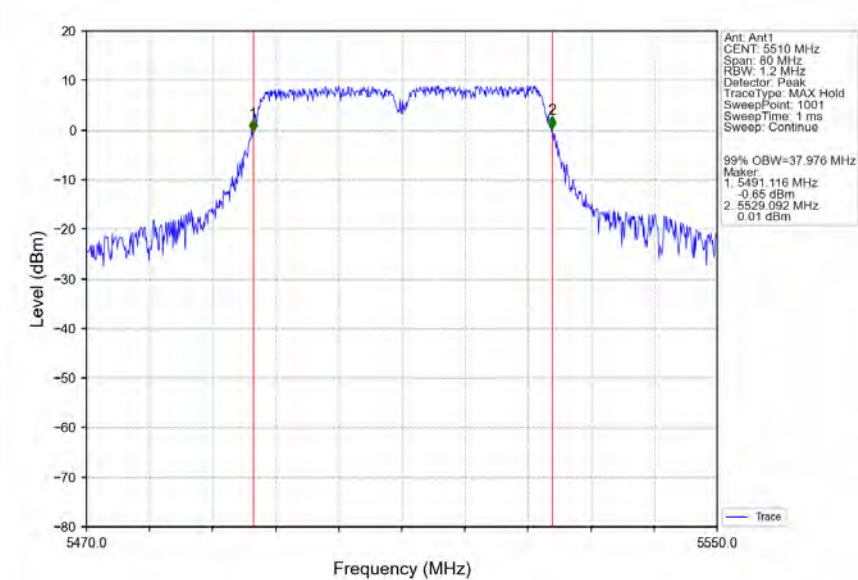
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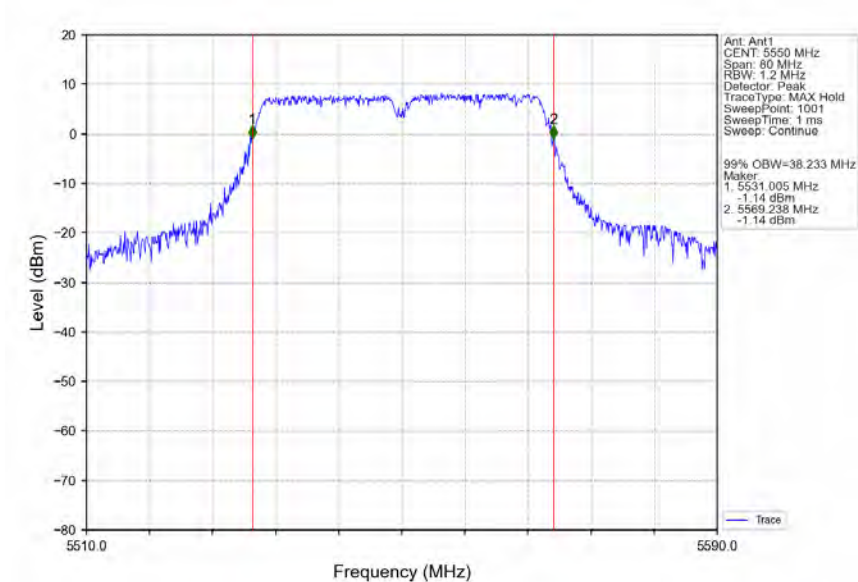
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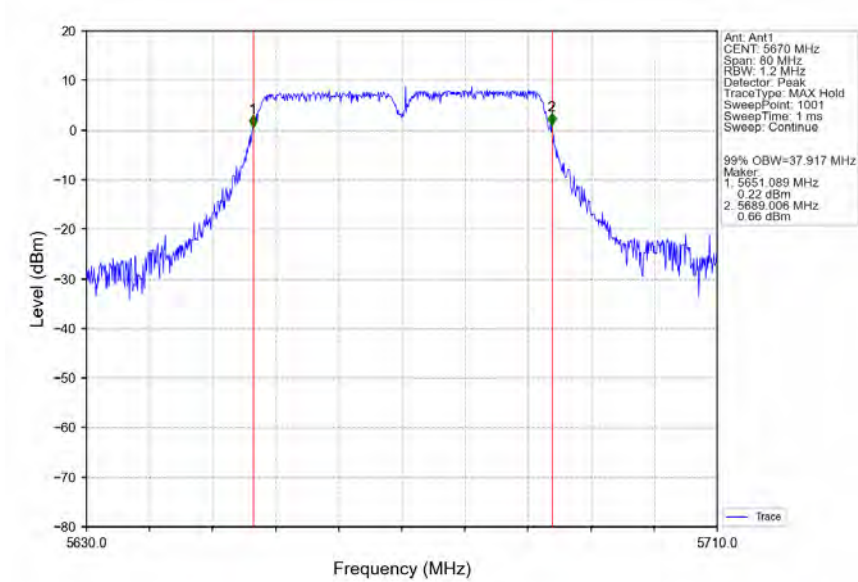
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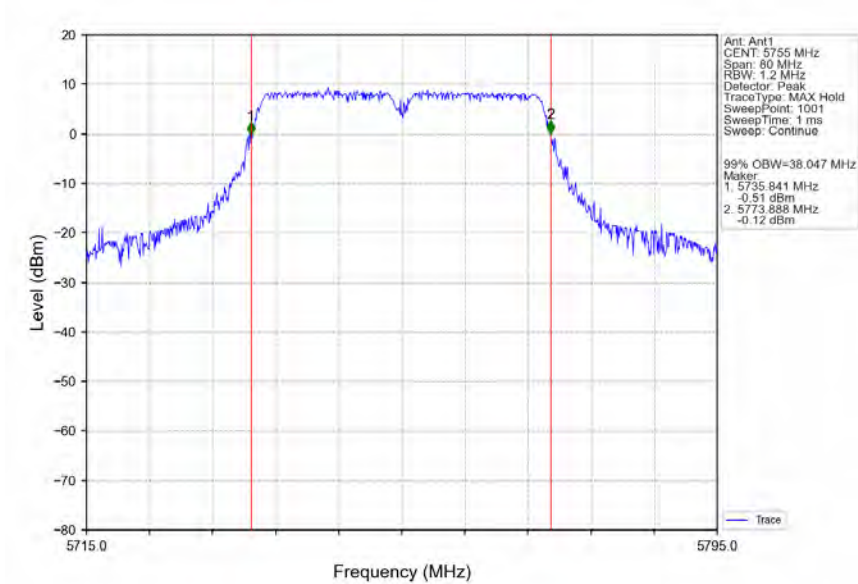
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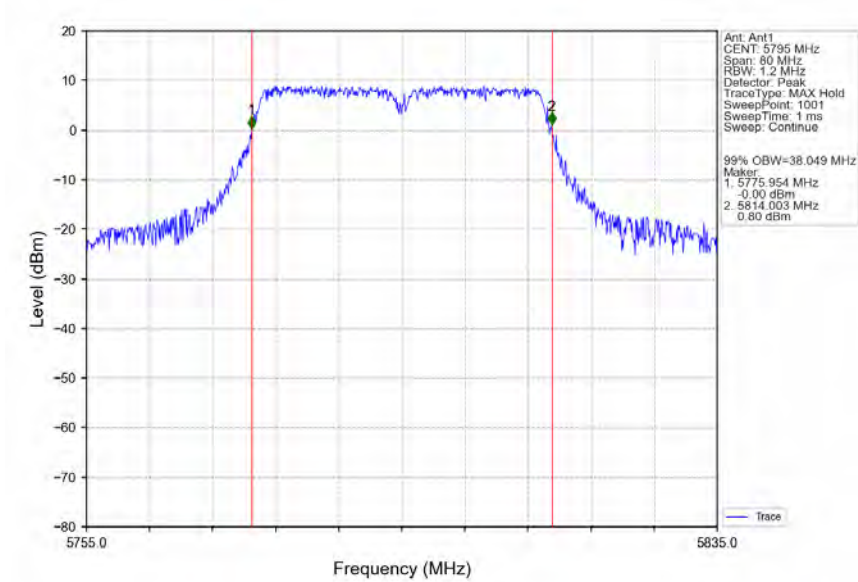
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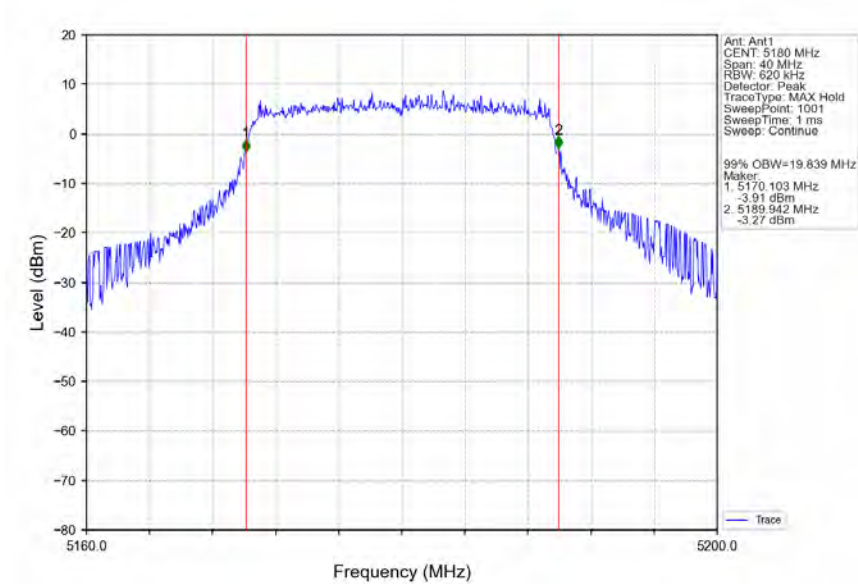
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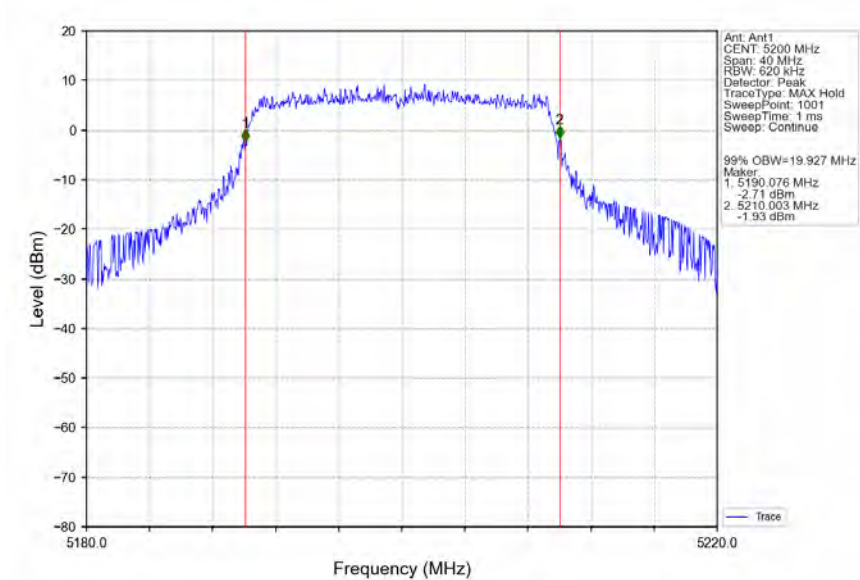
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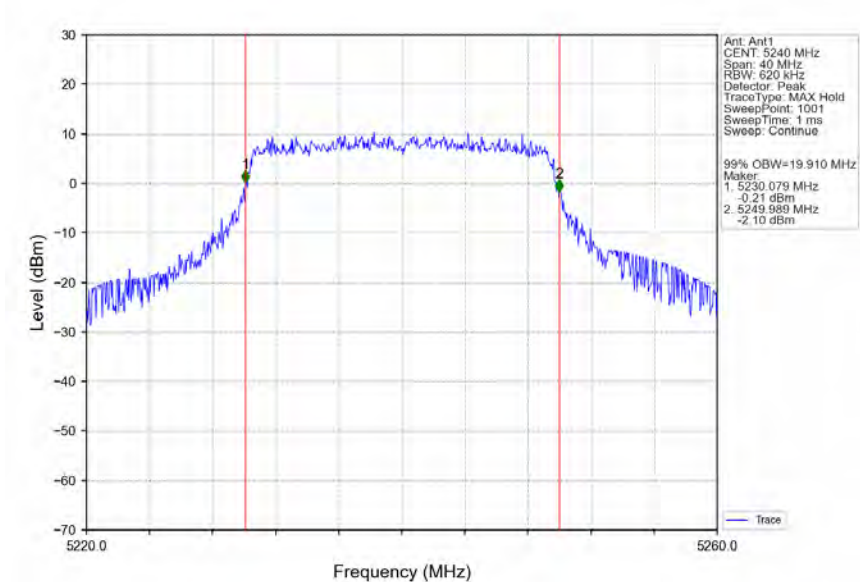
802.11ax(HEW20) LCH 5180MHz RU242 Left Ant1 NTN

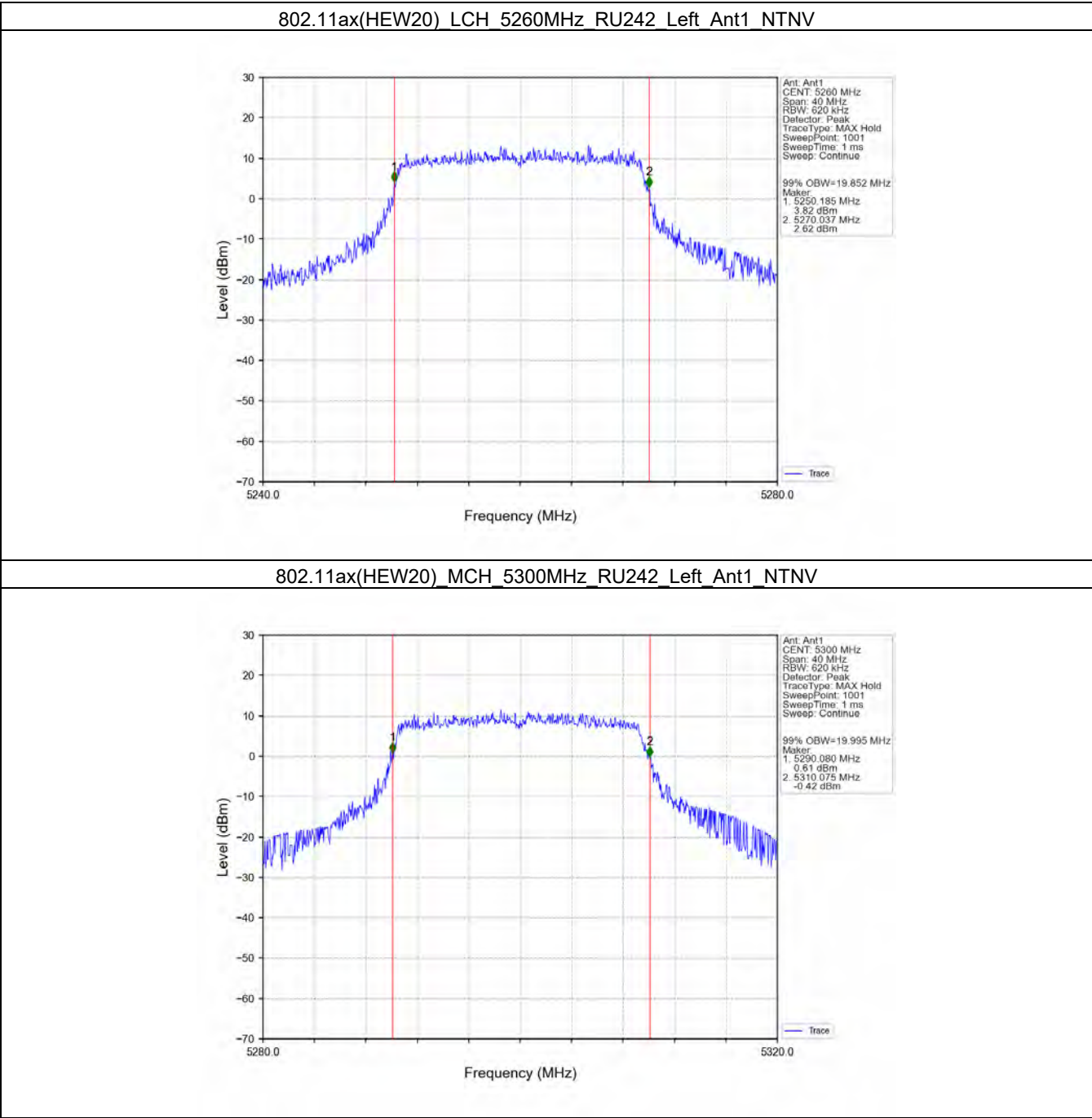


802.11ax(HEW20) MCH 5200MHz RU242 Left Ant1 NTN



802.11ax(HEW20) HCH 5240MHz RU242 Left Ant1 NTN





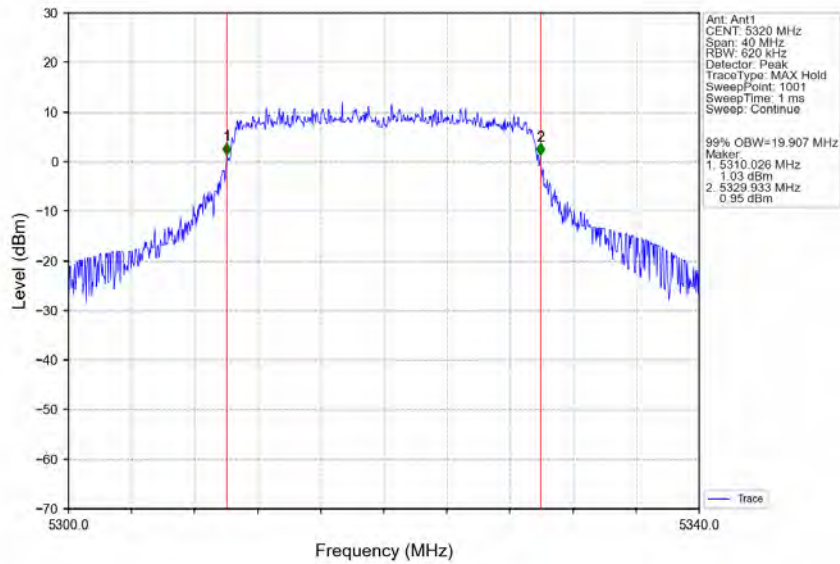
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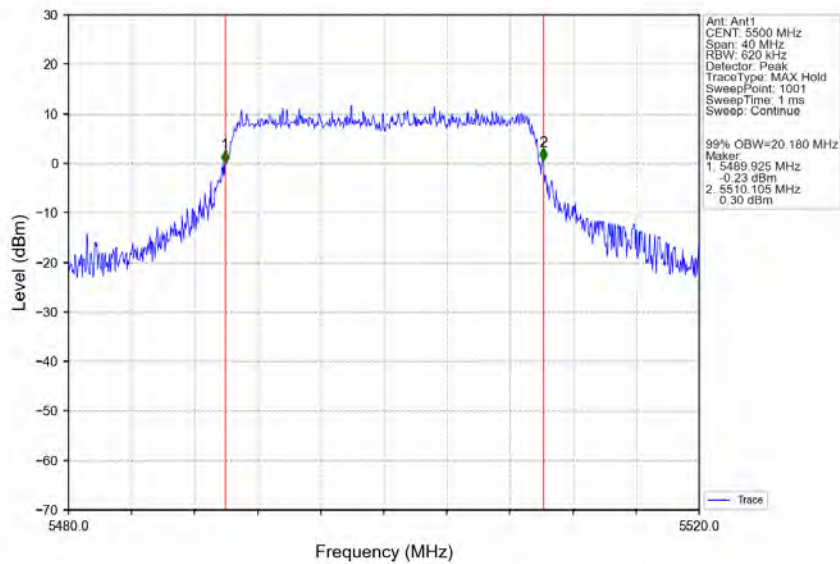
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802.11ax(HEW20) HCH 5320MHz RU242 Left Ant1 NTN



802.11ax(HEW20) LCH 5500MHz RU242 Left Ant1 NTN



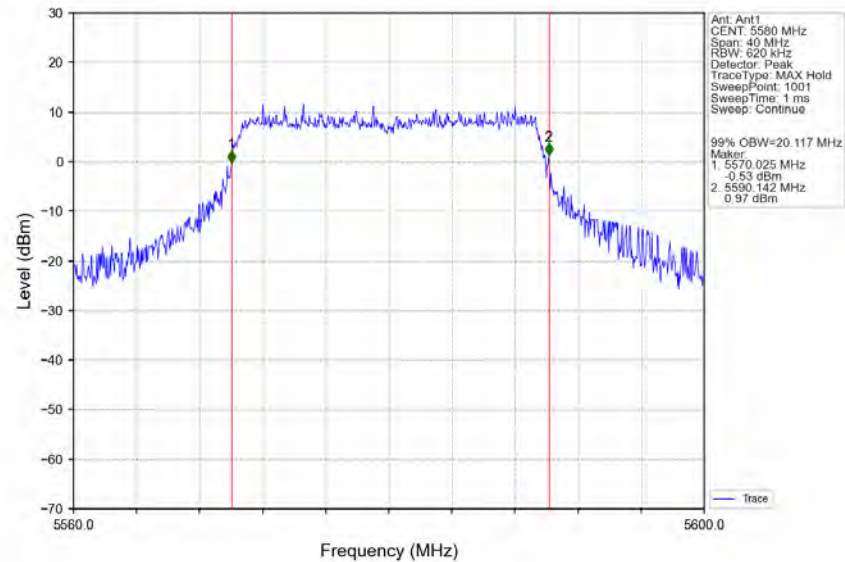
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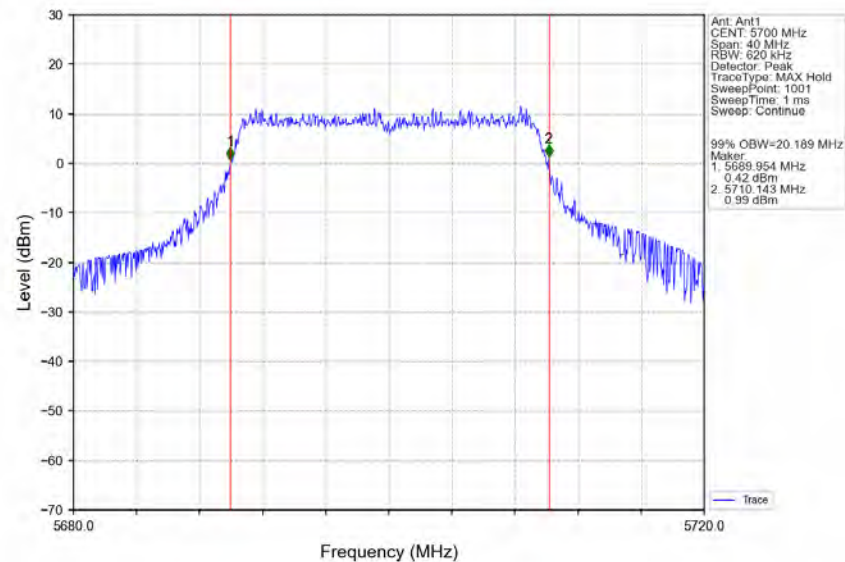
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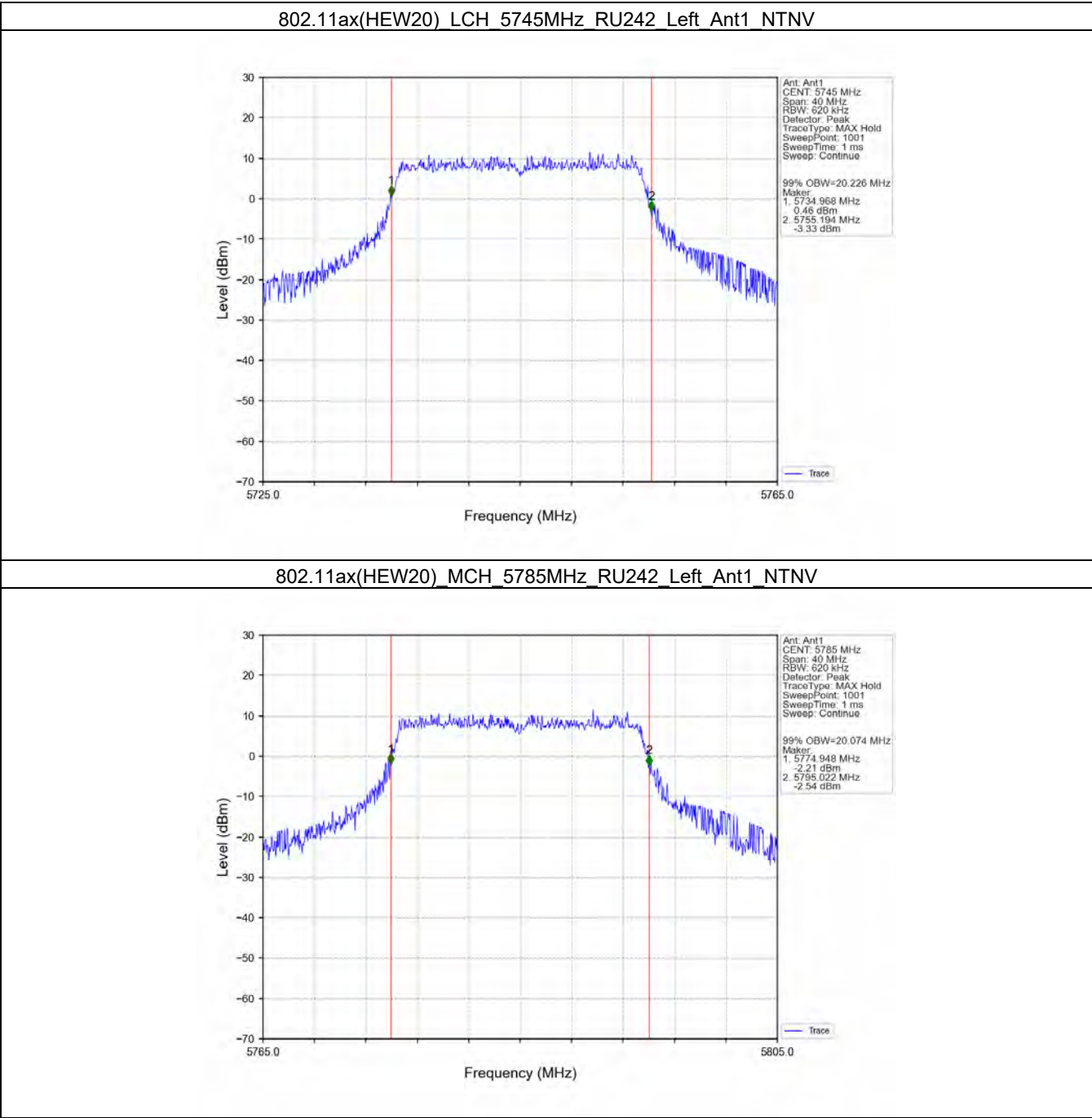
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802.11ax(HEW20) MCH 5580MHz RU242 Left Ant1 NTN

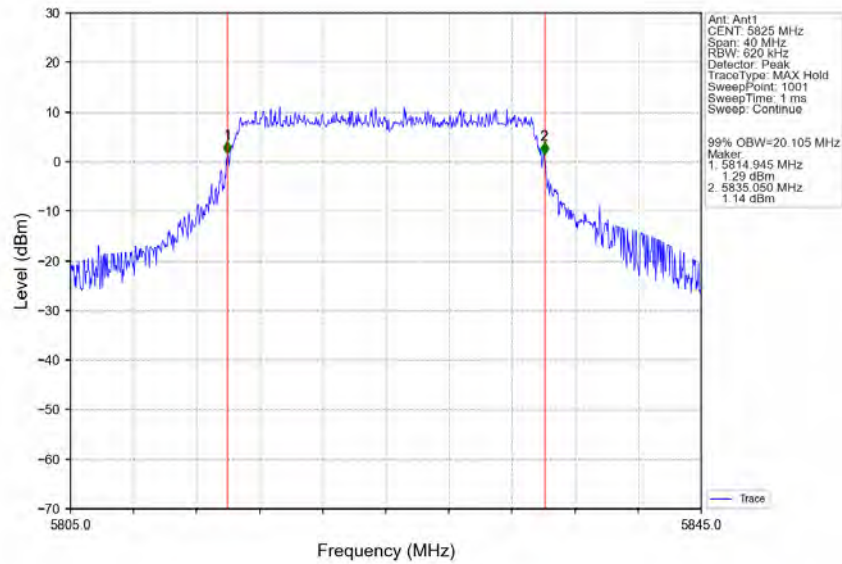


802.11ax(HEW20) HCH 5700MHz RU242 Left Ant1 NTN

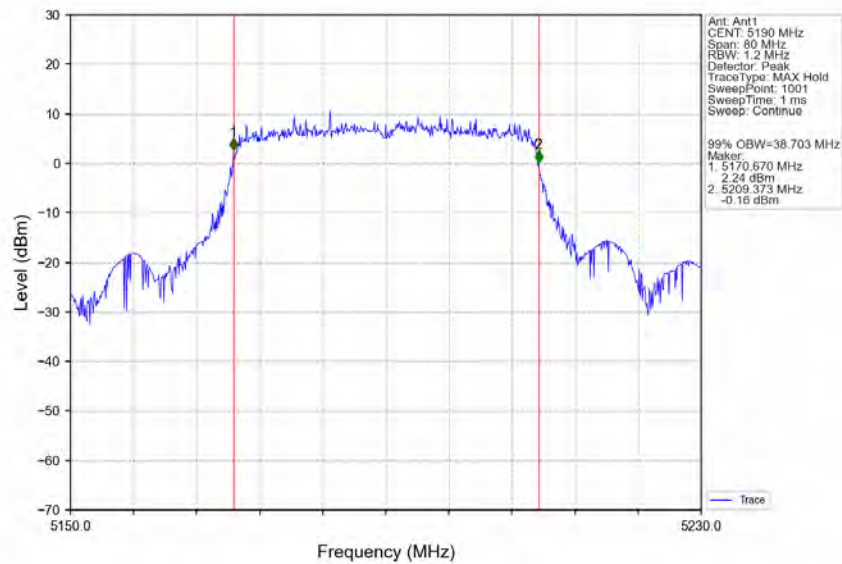




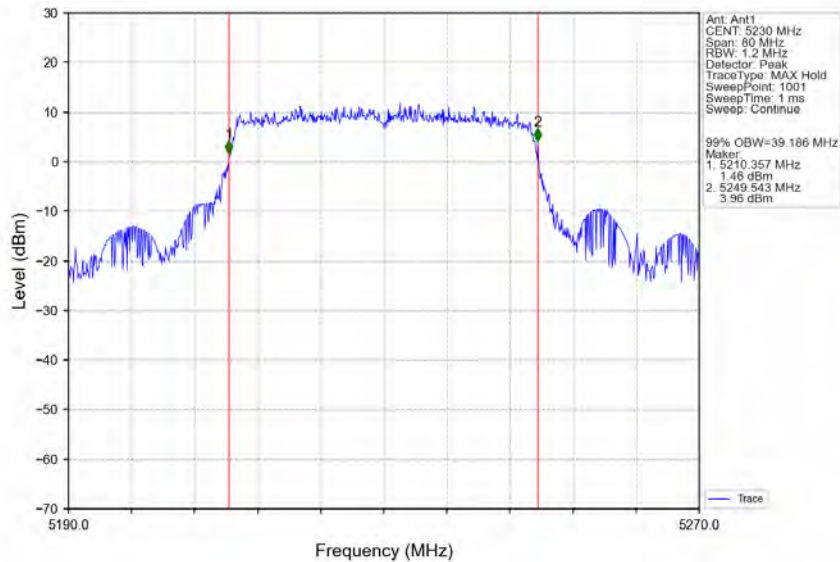
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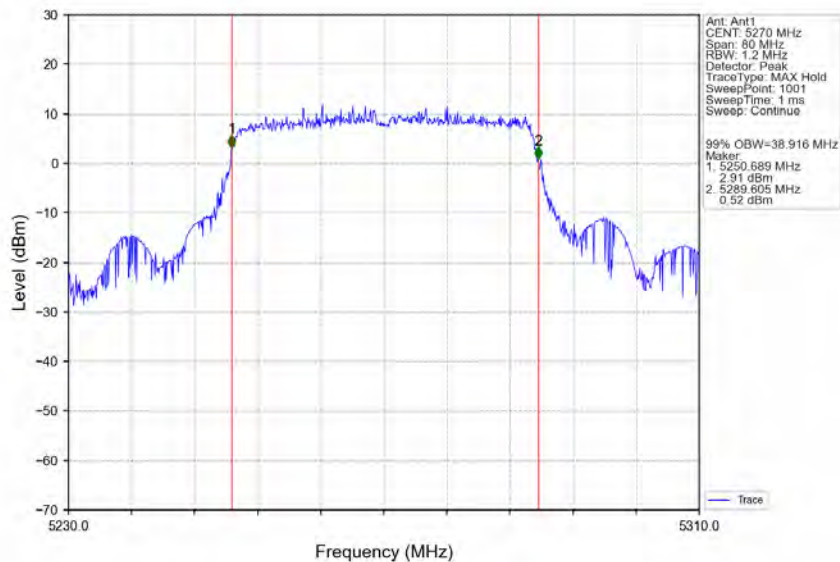
802.11ax(HEW40) LCH 5190MHz RU484 Left Ant1 NTN



802.11ax(HEW40) HCH 5230MHz RU484 Left Ant1 NTN



802.11ax(HEW40) LCH 5270MHz RU484 Left Ant1 NTN

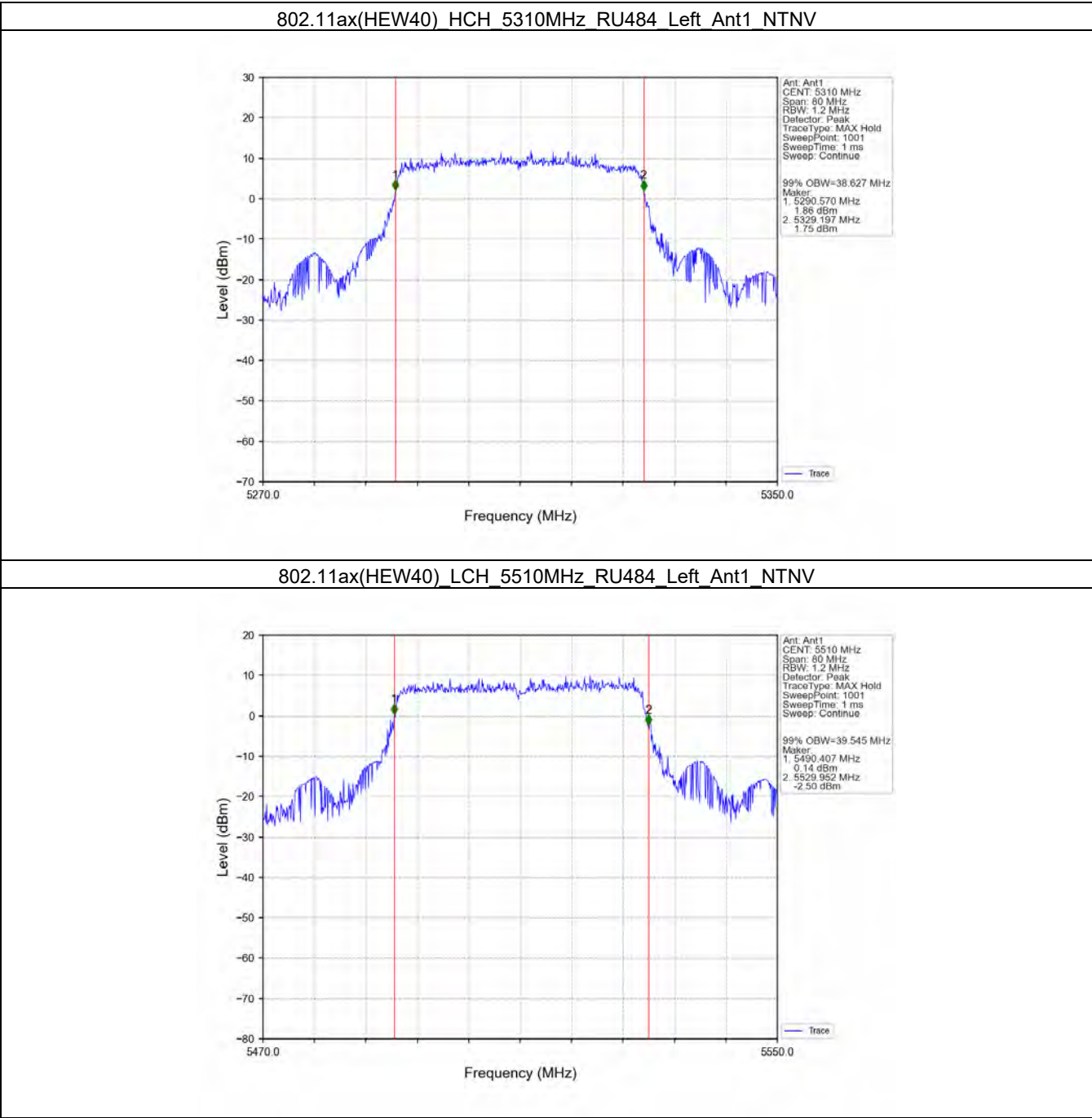


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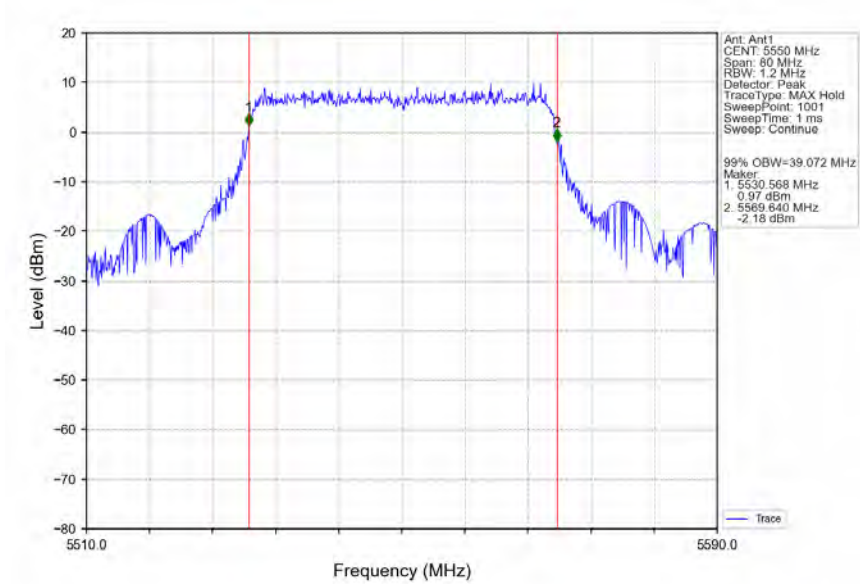
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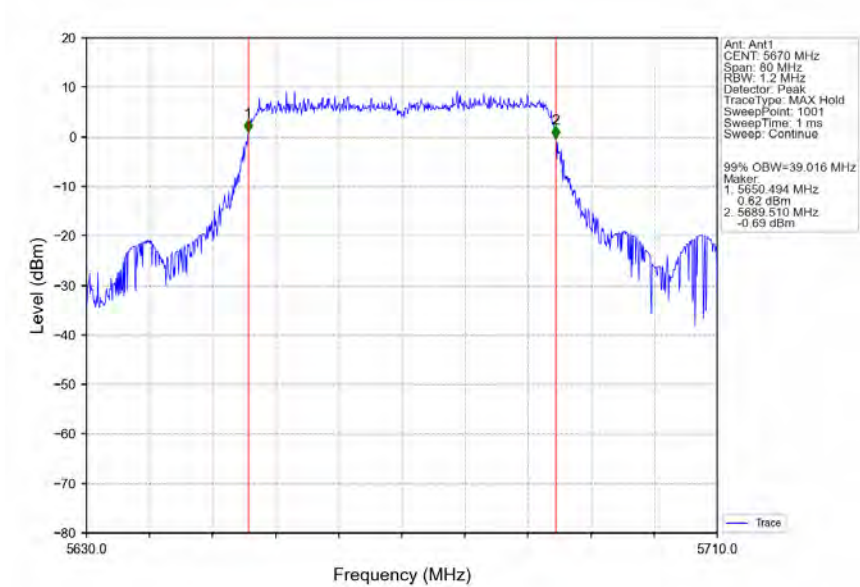
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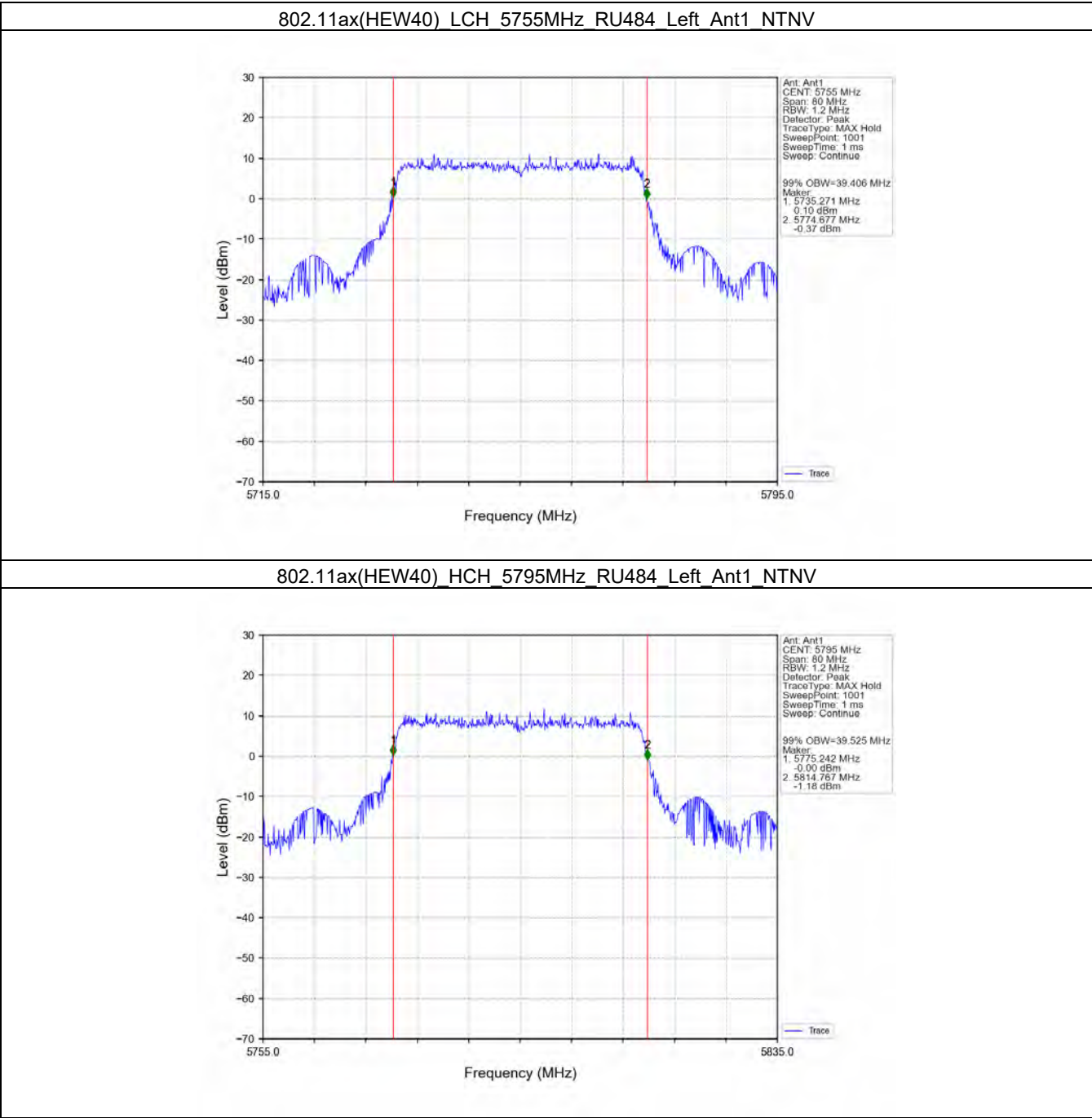


802.11ax(HEW40) MCH 5550MHz RU484 Left Ant1 NTNv

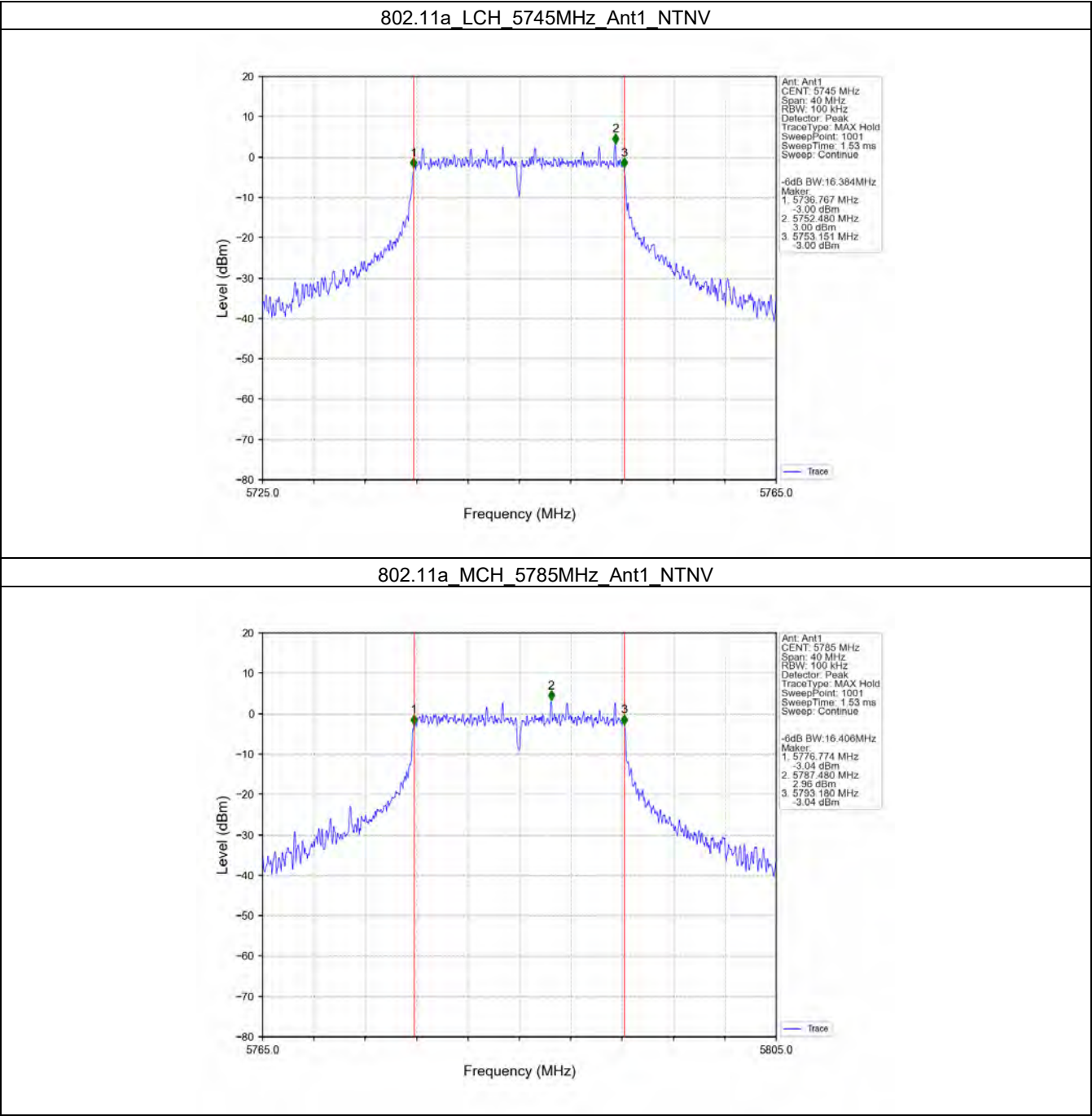


802.11ax(HEW40) HCH 5670MHz RU484 Left Ant1 NTNv

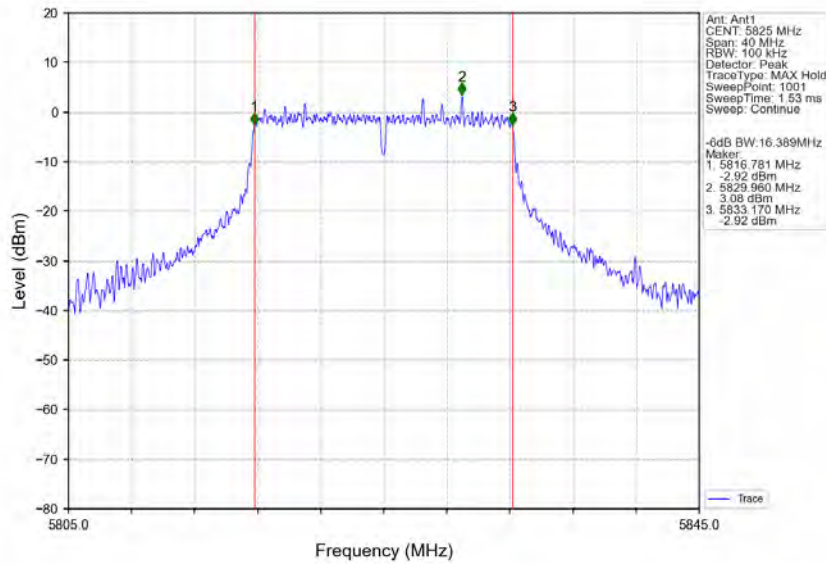




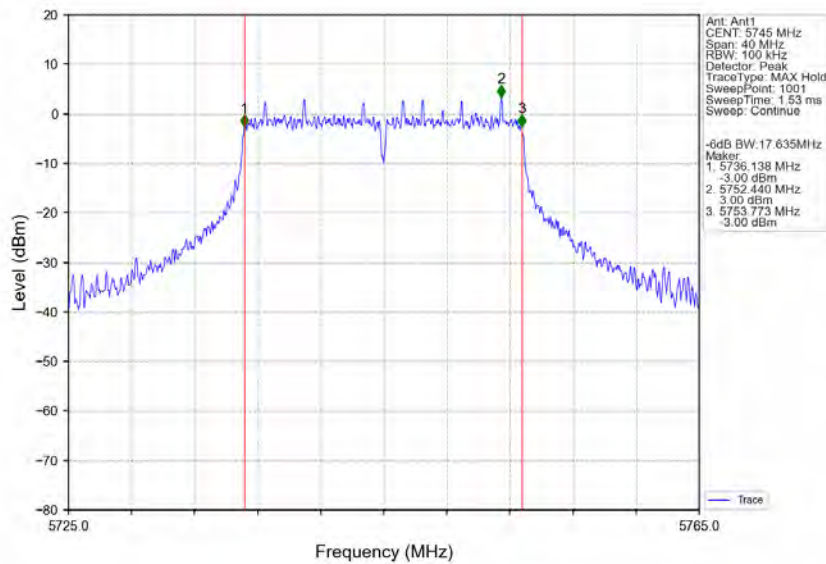
2.2.2 6dB BW



802.11a HCH 5825MHz Ant1 NTN



802.11ac(VHT20) LCH 5745MHz Ant1 NTN



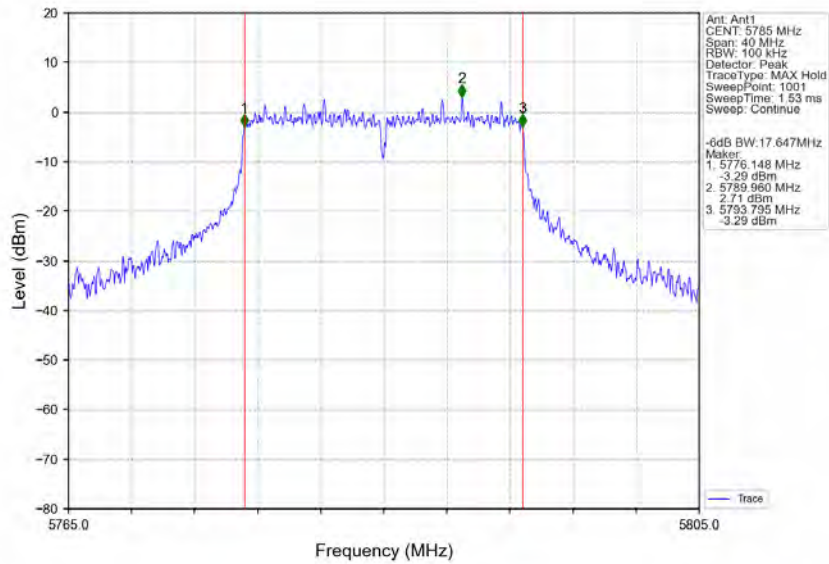
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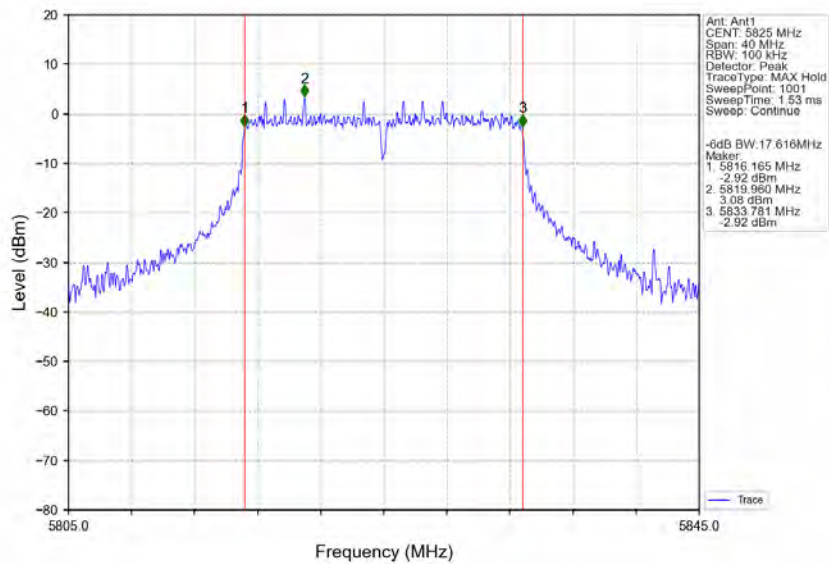
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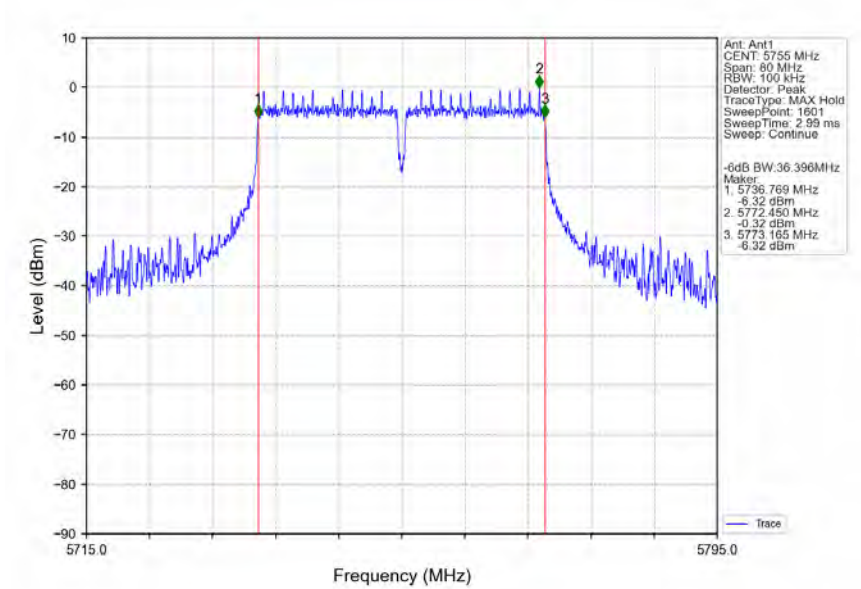
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



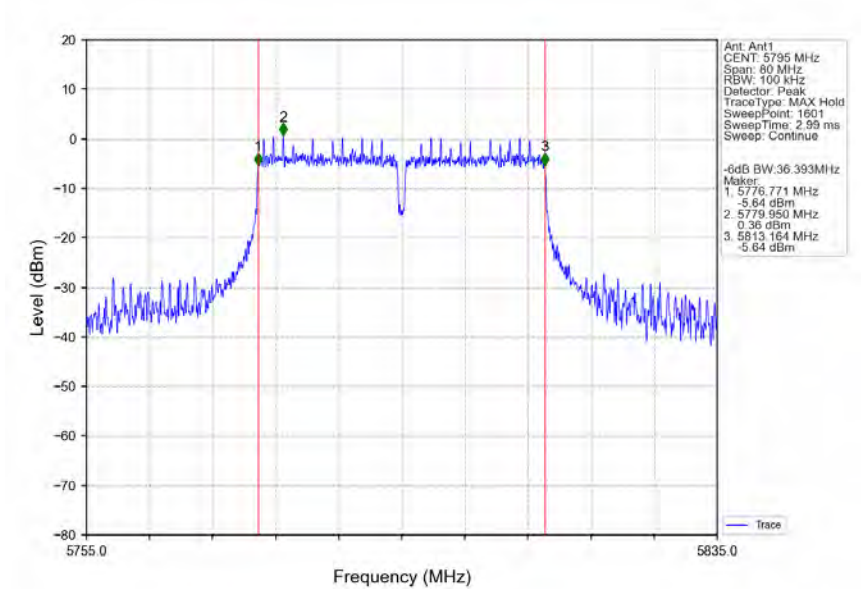
802.11ac(VHT20) HCH_5825MHz_Ant1_NTNV



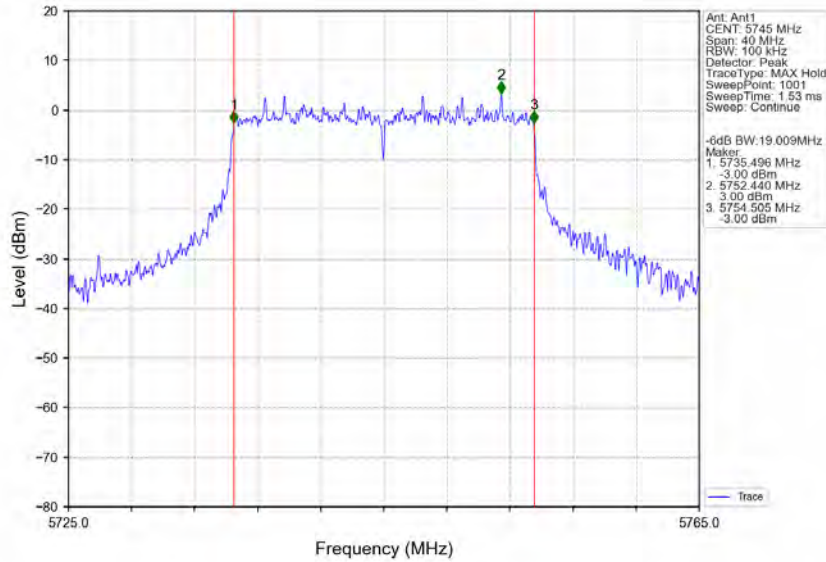
802.11ac(VHT40) LCH 5755MHz Ant1 NTN



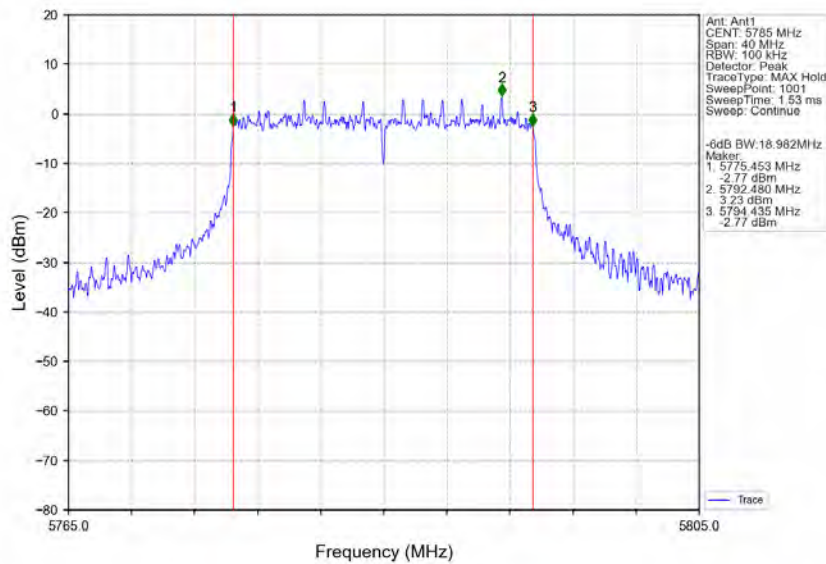
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



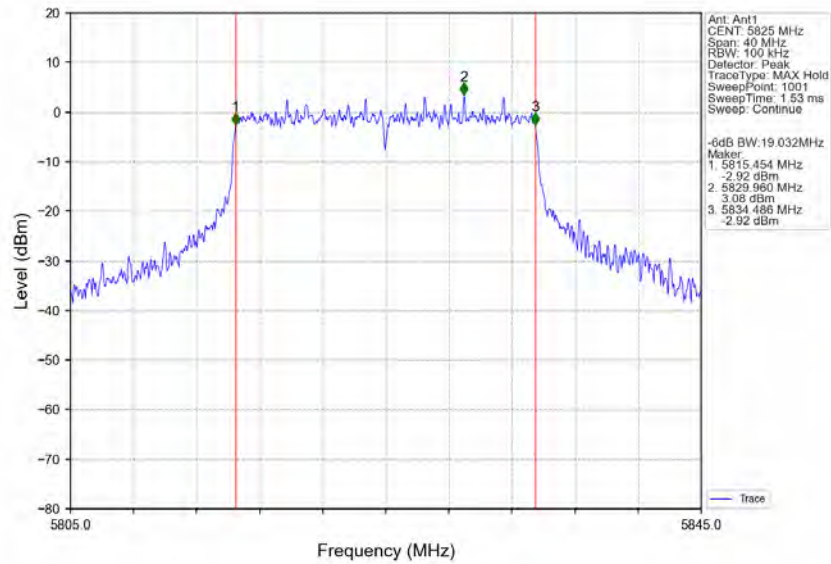
802.11ax(HEW20) LCH 5745MHz RU242 Left Ant1 NTN



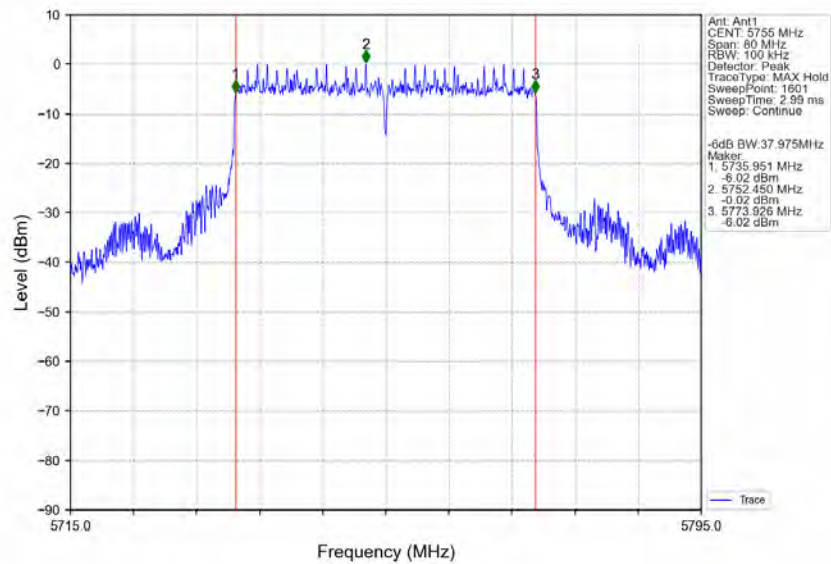
802.11ax(HEW20) MCH 5785MHz RU242 Left Ant1 NTN



802.11ax(HEW20) HCH 5825MHz RU242 Left Ant1 NTN



802.11ax(HEW40) LCH 5755MHz RU484 Left Ant1 NTN



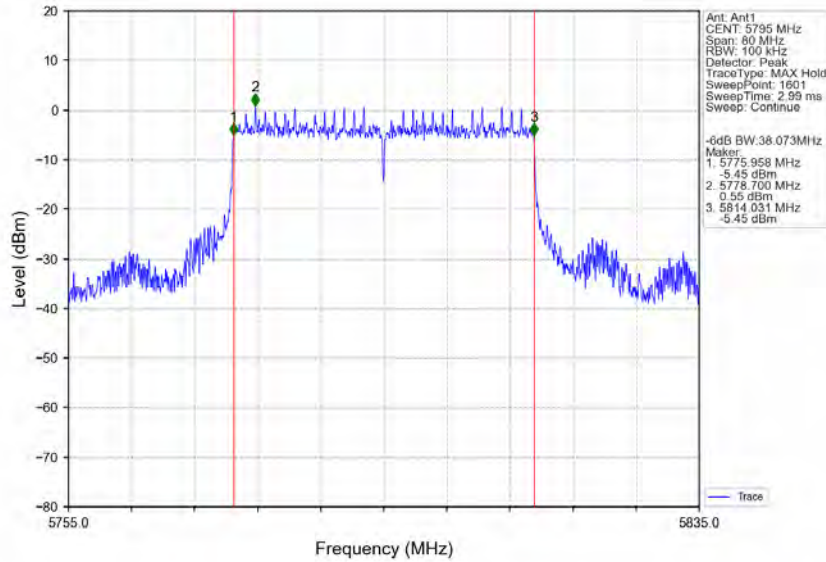
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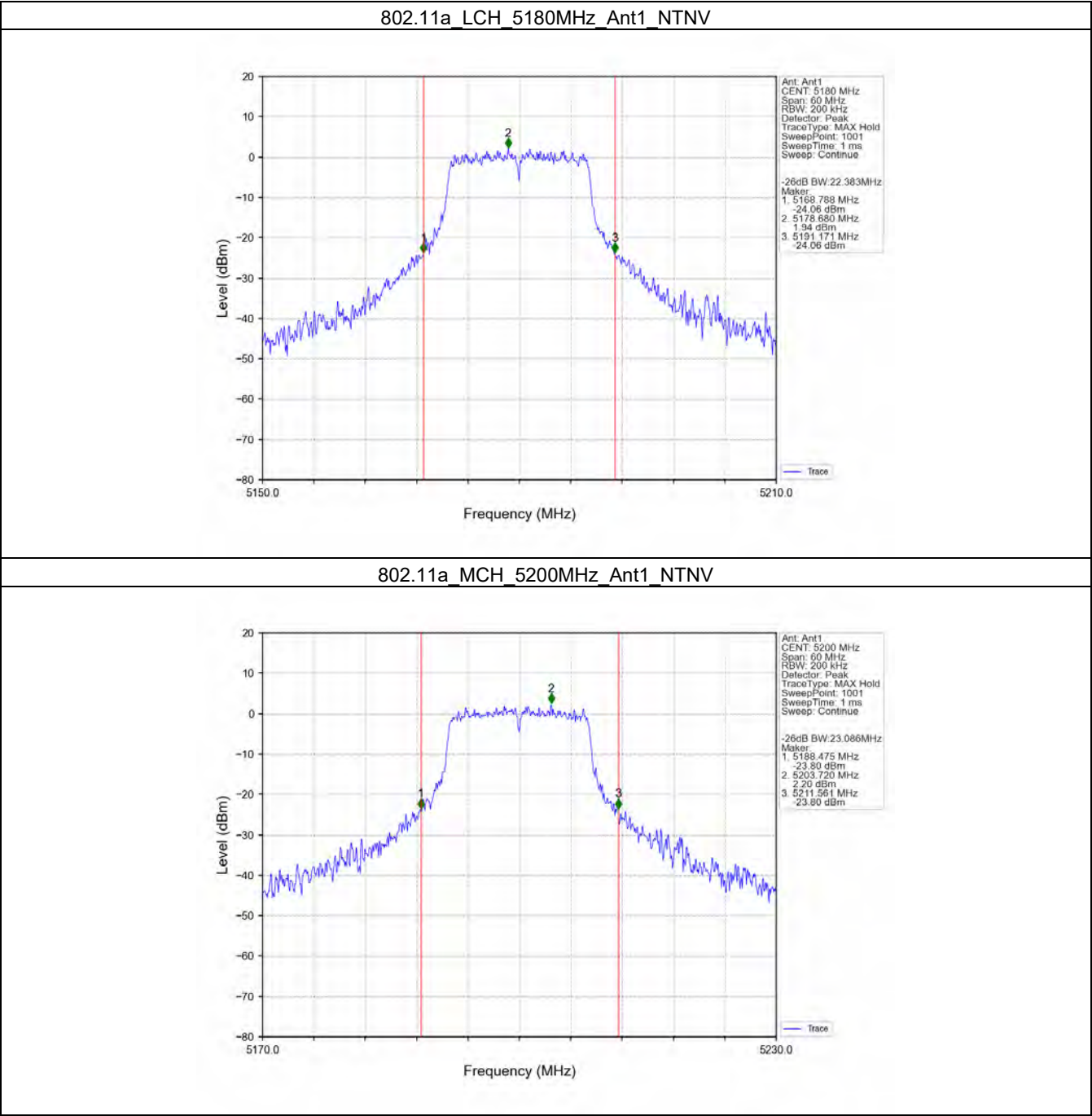
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802.11ax(HEW40) HCH 5795MHz RU484 Left Ant1 NTN7



2.2.3 26dB BW



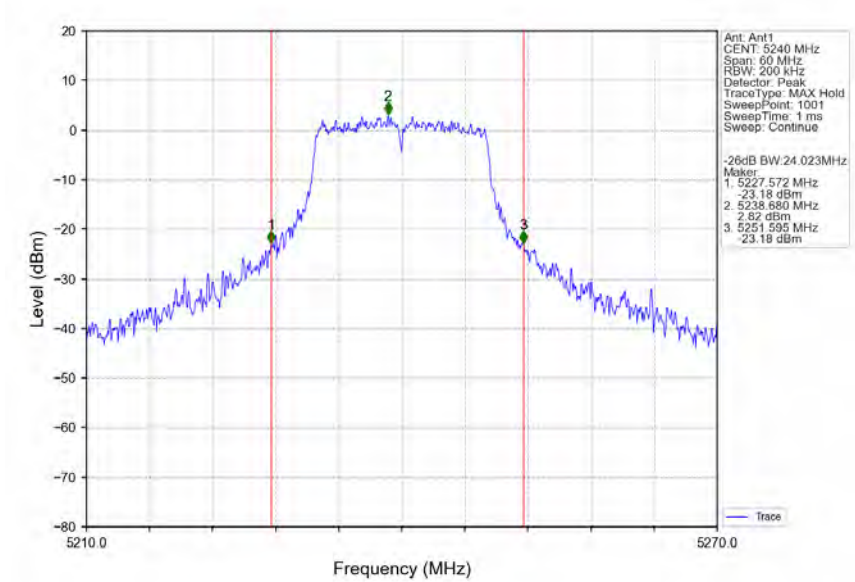
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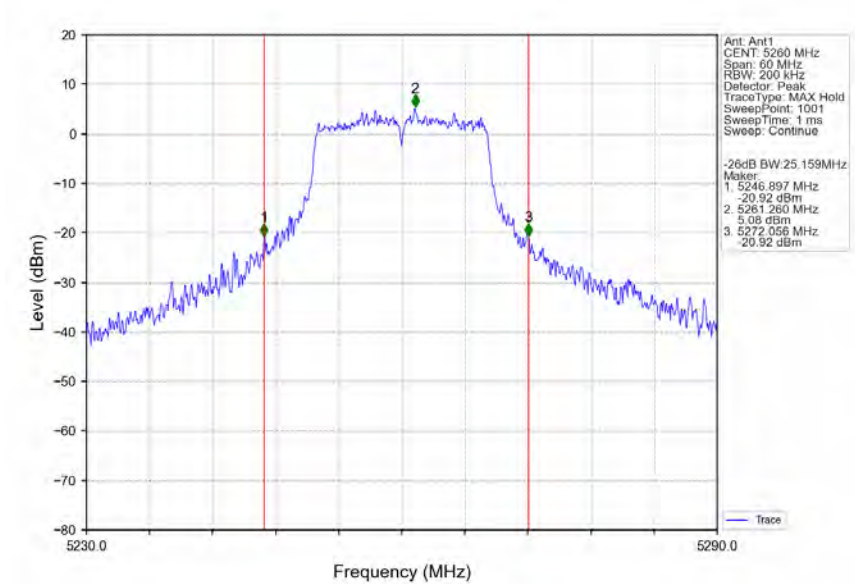
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802.11a HCH 5240MHz Ant1 NTN



802.11a LCH 5260MHz Ant1 NTN



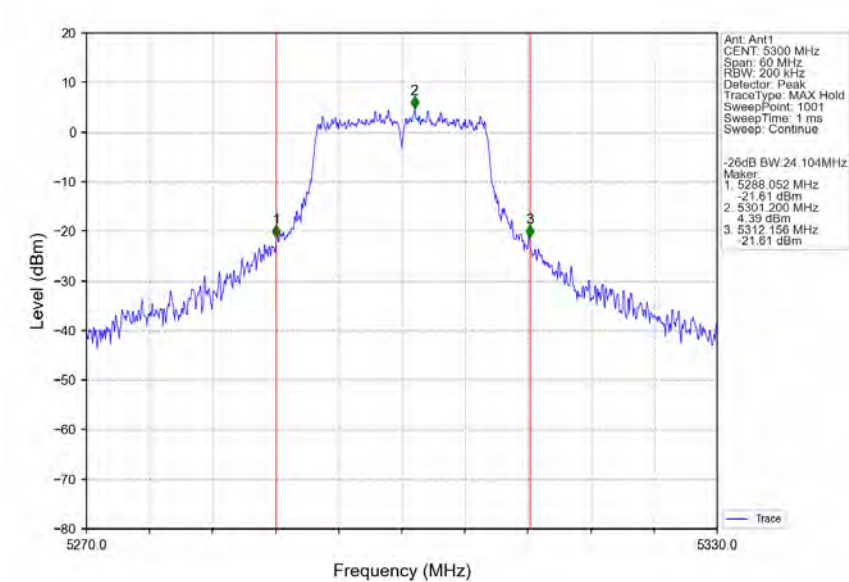
Compliance Certification Services (Kunshan) Inc.

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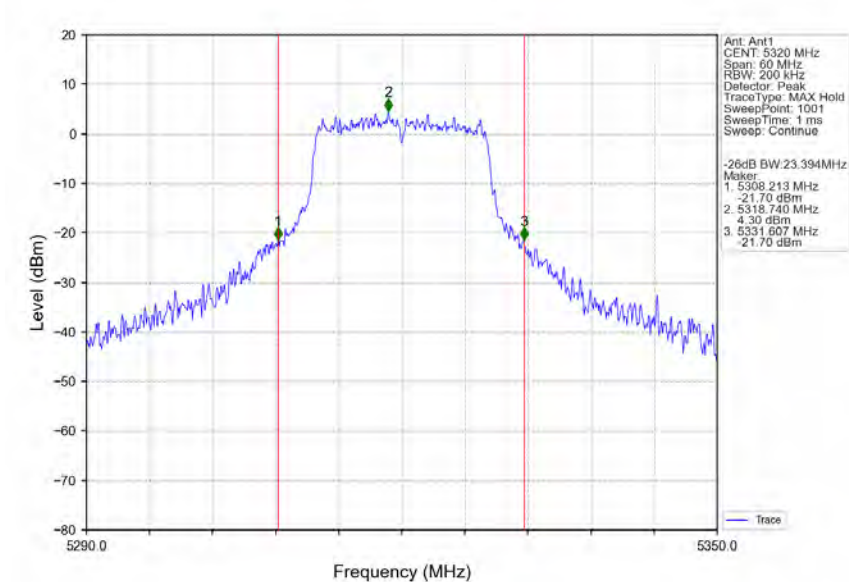
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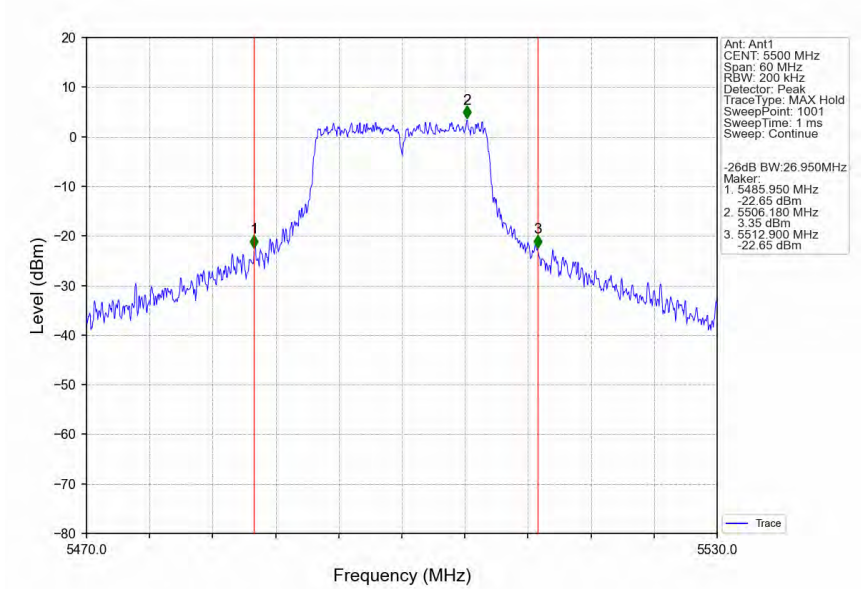
802.11a MCH 5300MHz Ant1 NTN



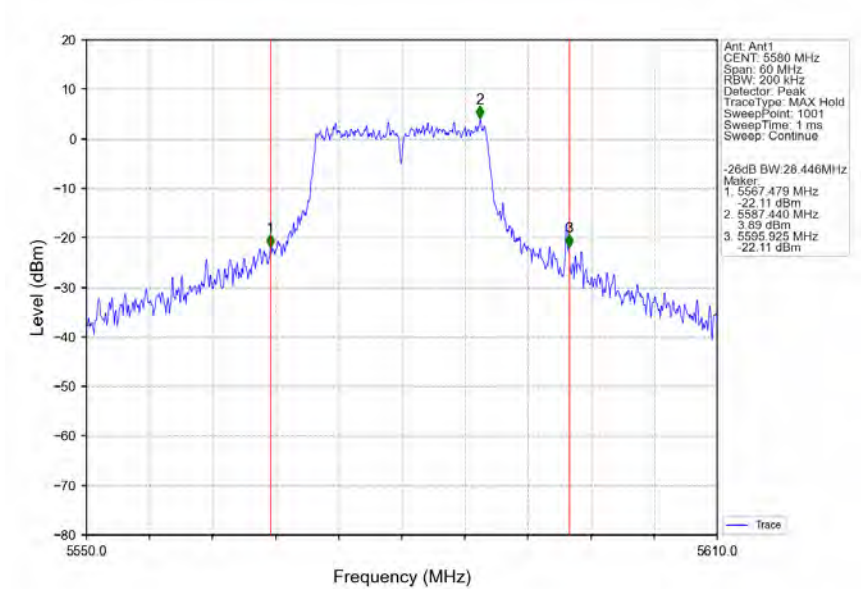
802.11a HCH 5320MHz Ant1 NTN



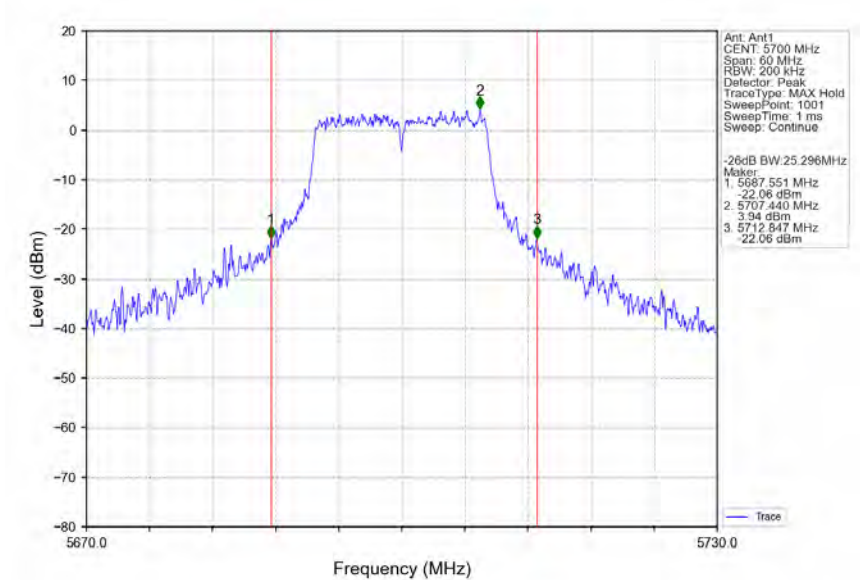
802.11a LCH 5500MHz Ant1 NTV



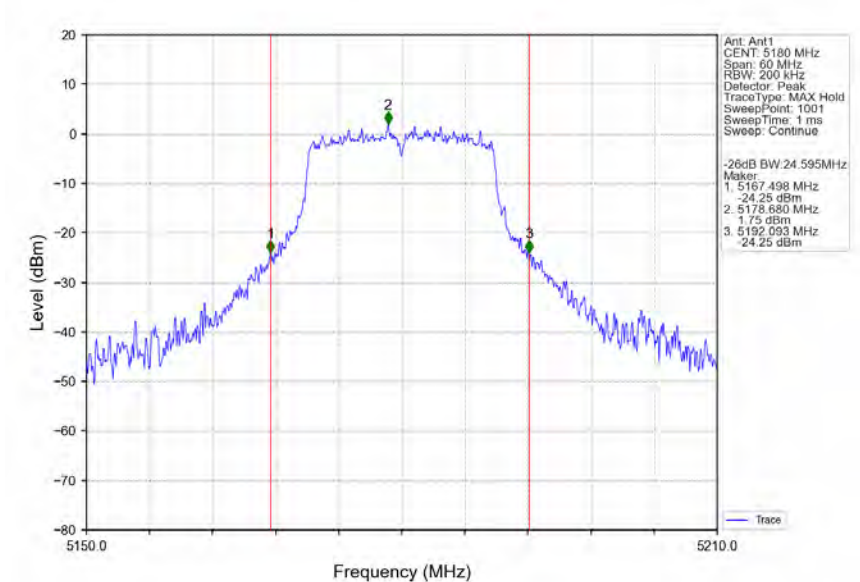
802.11a MCH 5580MHz Ant1 NTV



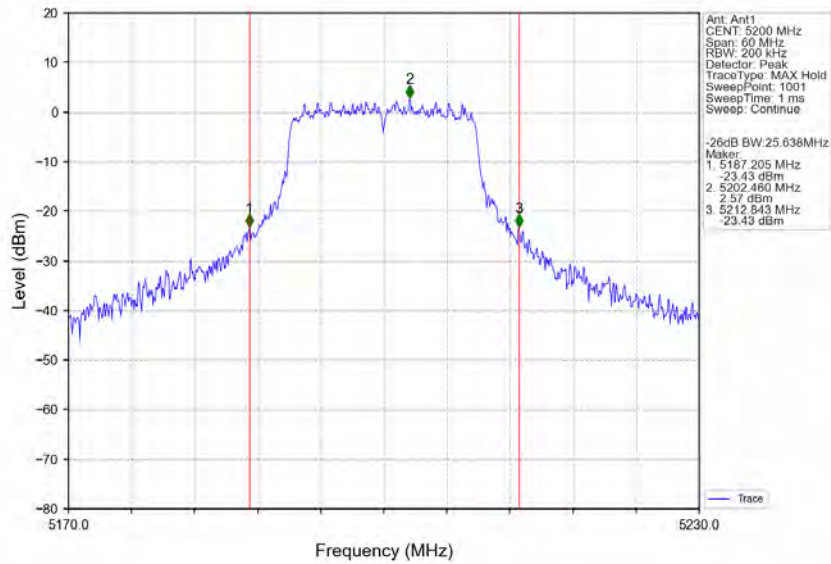
802.11a HCH 5700MHz Ant1 NTN



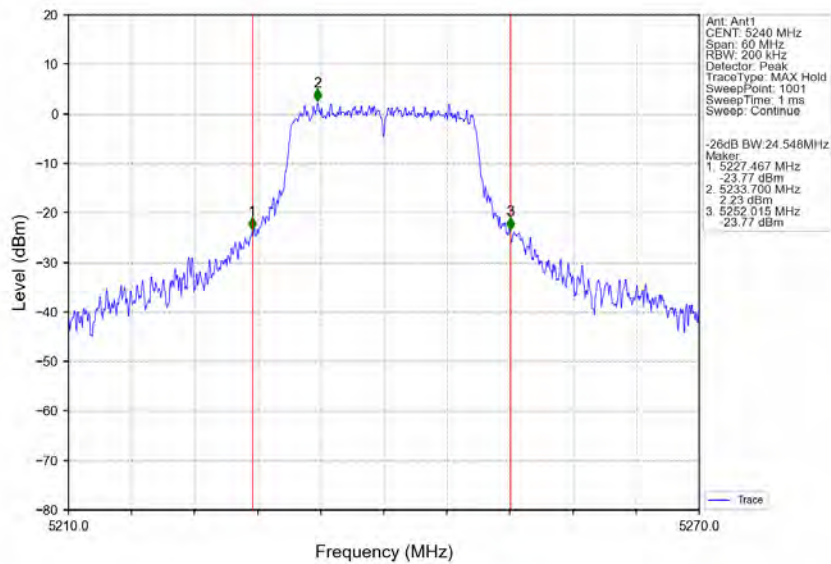
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



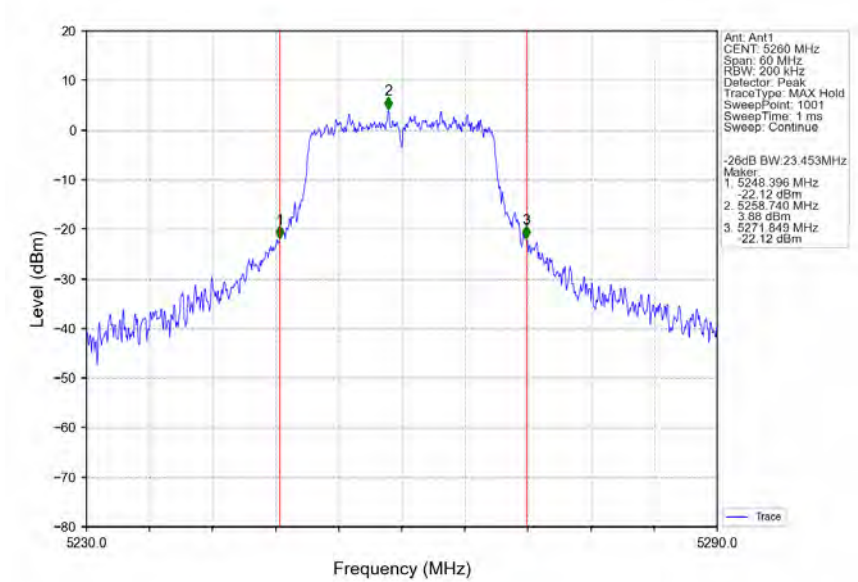
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



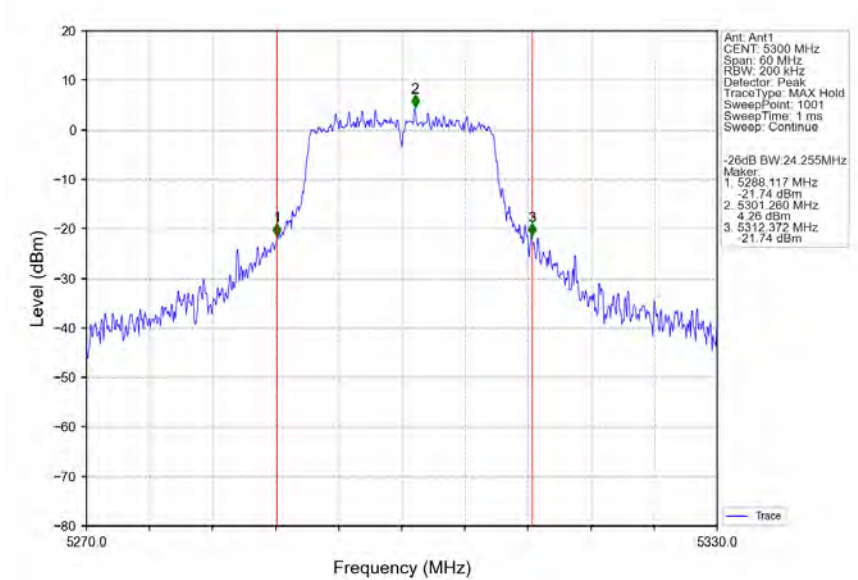
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



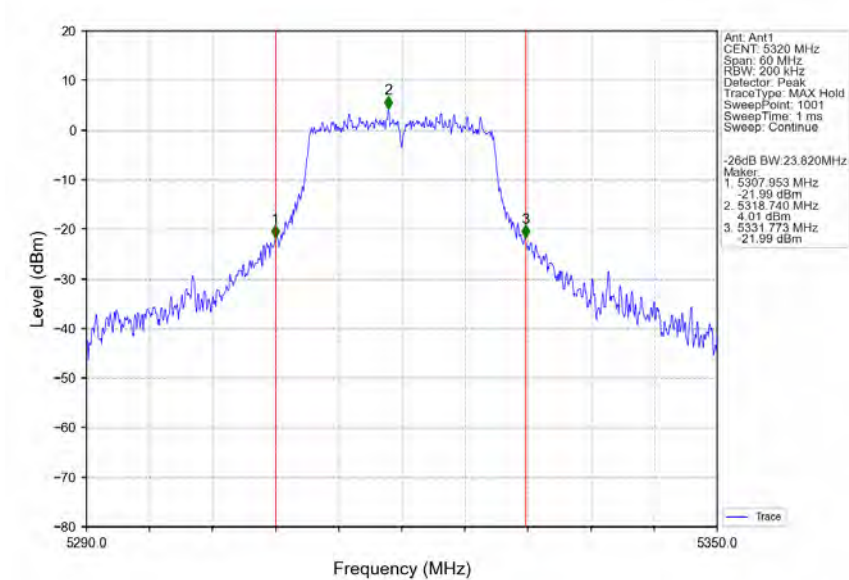
802.11ac(VHT20) LCH 5260MHz Ant1 NTN



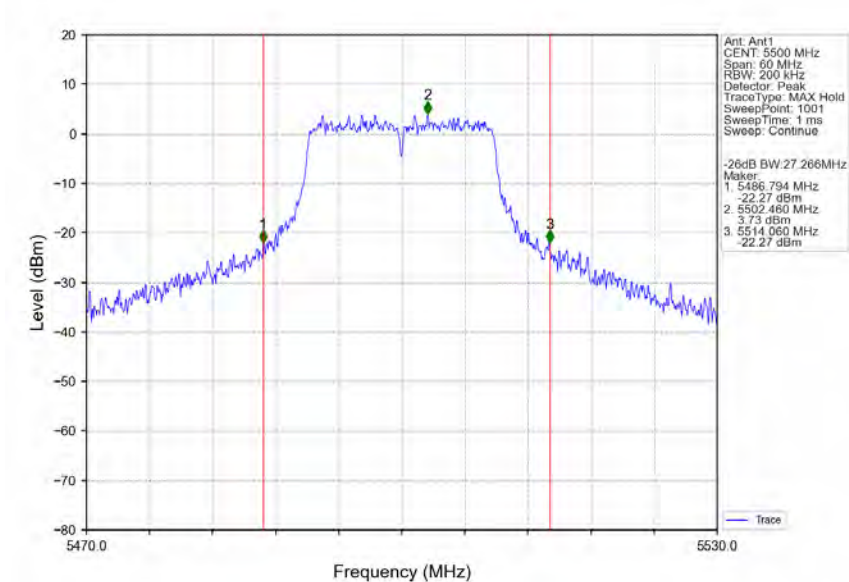
802.11ac(VHT20) MCH 5300MHz Ant1 NTN



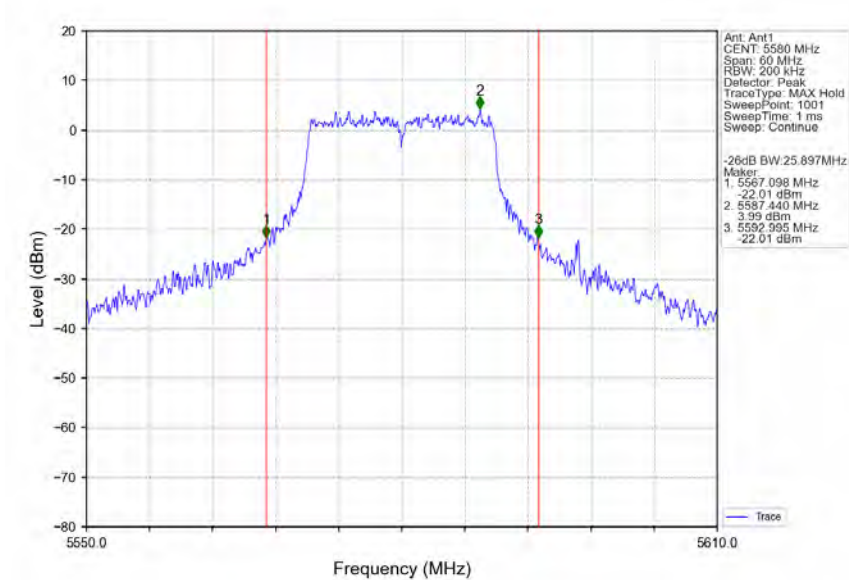
802.11ac(VHT20) HCH 5320MHz Ant1 NTN



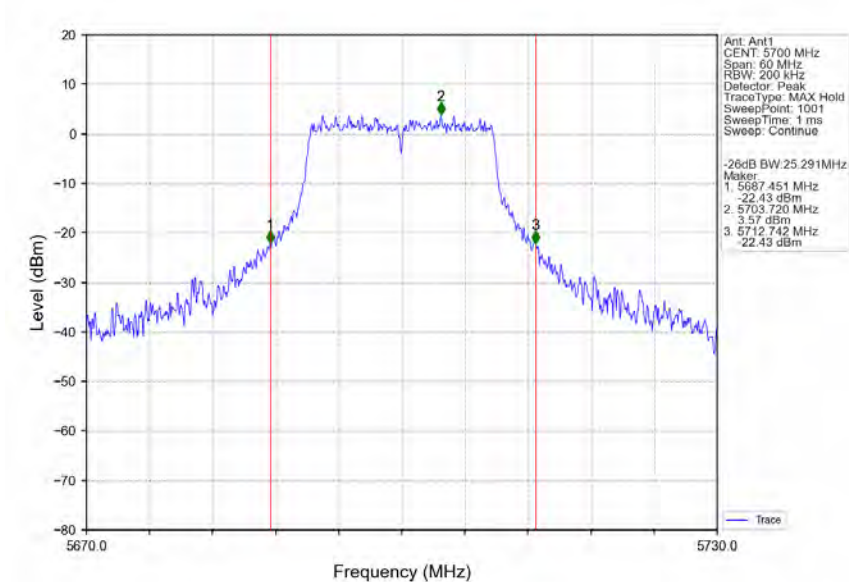
802.11ac(VHT20) LCH 5500MHz Ant1 NTN



802.11ac(VHT20) MCH 5580MHz Ant1 NTN



802.11ac(VHT20) HCH 5700MHz Ant1 NTN



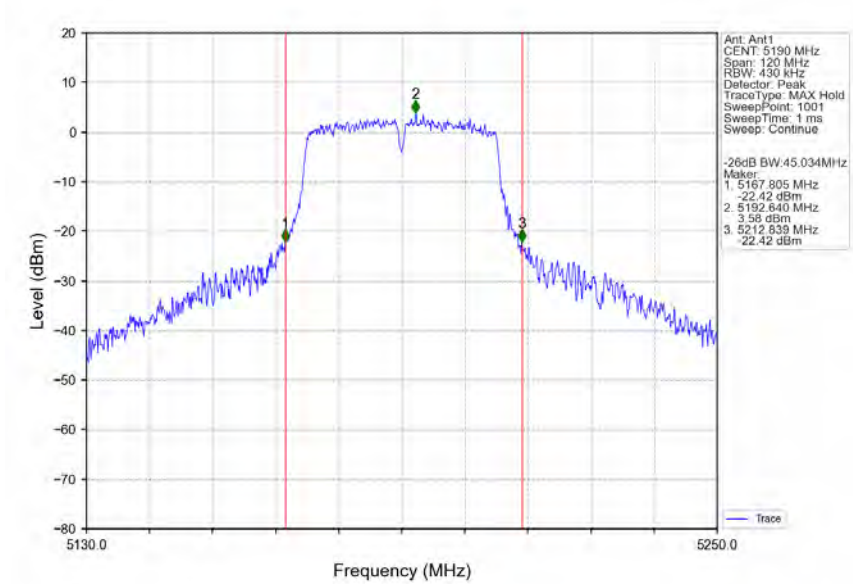
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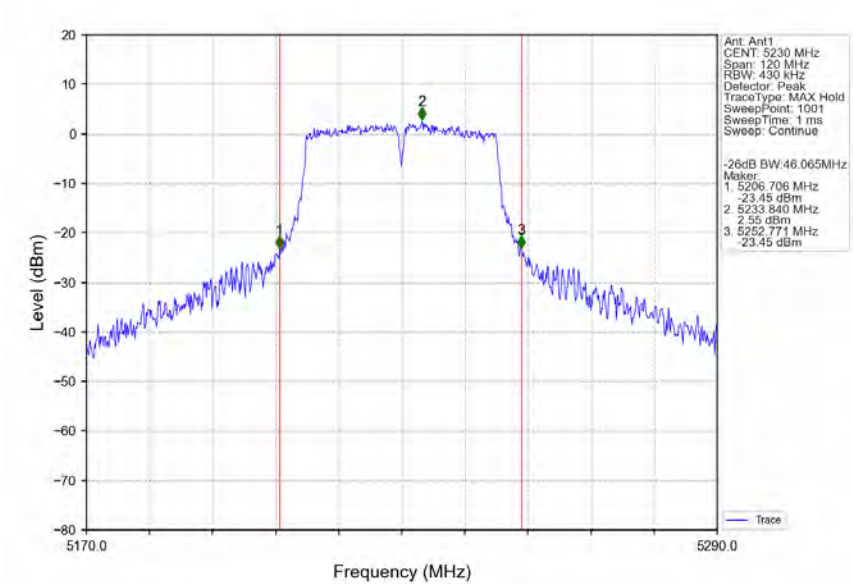
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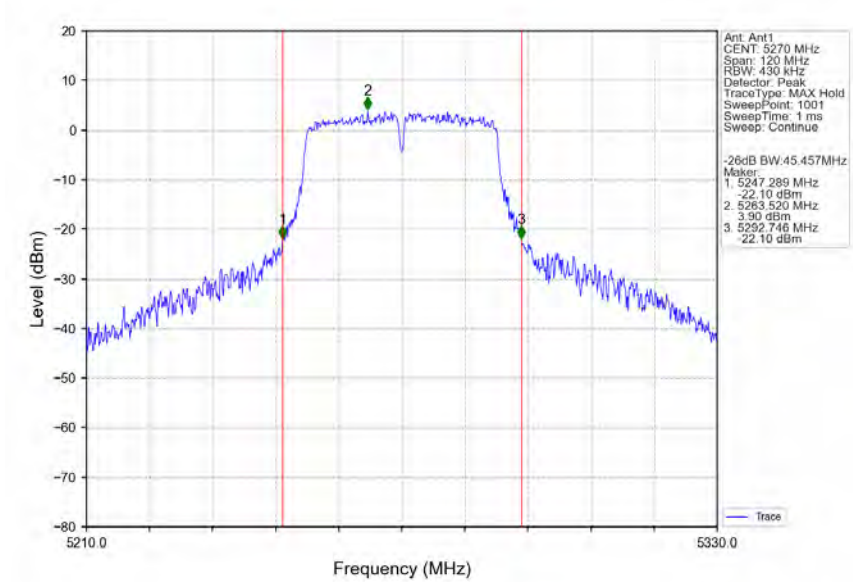
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



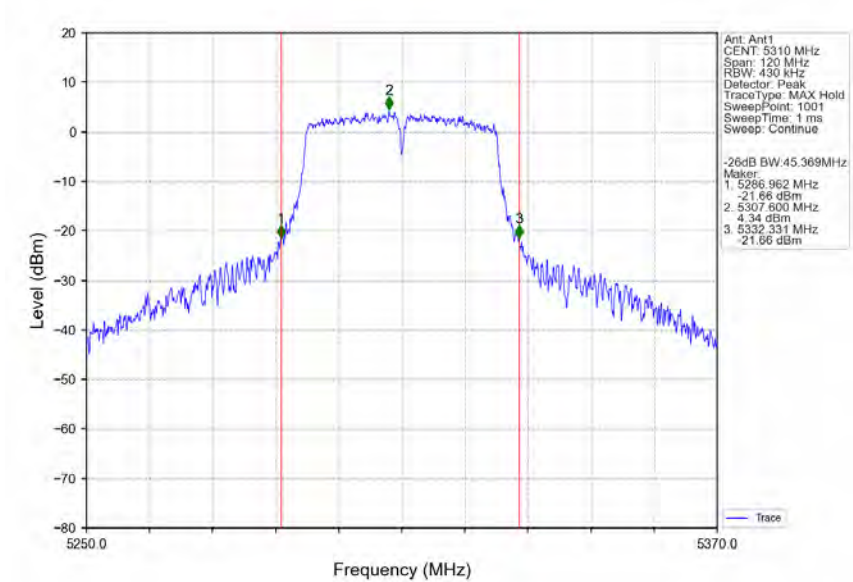
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



802.11ac(VHT40) LCH 5270MHz Ant1 NTN



802.11ac(VHT40) HCH 5310MHz Ant1 NTN



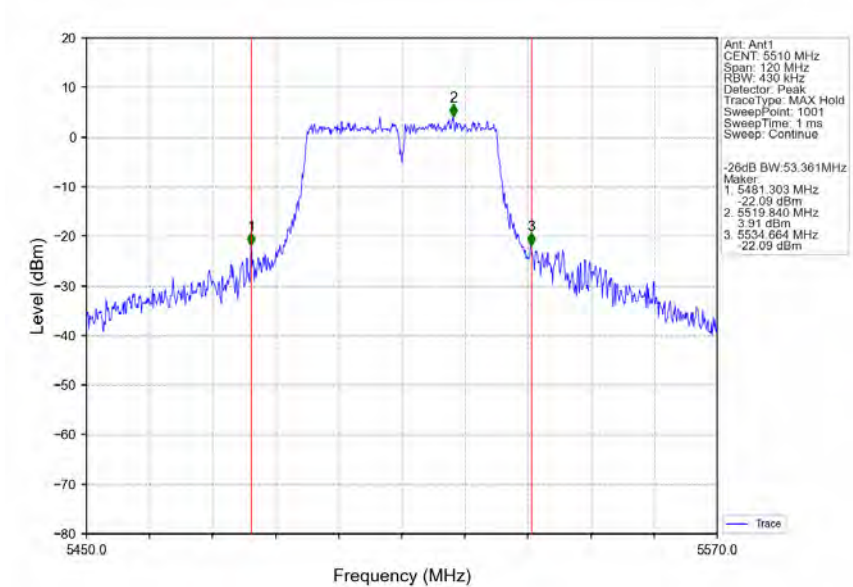
Compliance Certification Services (Kunshan) Inc.

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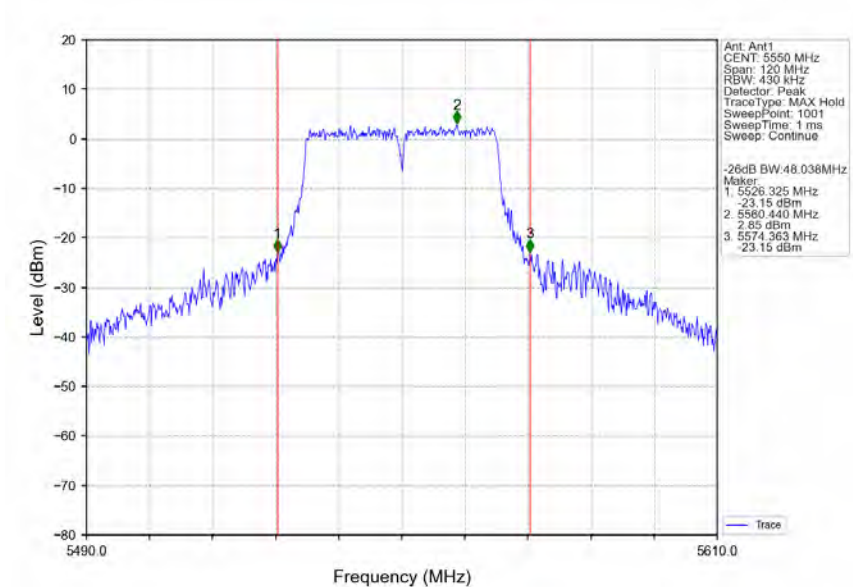
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802.11ac(VHT40) LCH 5510MHz Ant1 NTN



802.11ac(VHT40) MCH 5550MHz Ant1 NTN



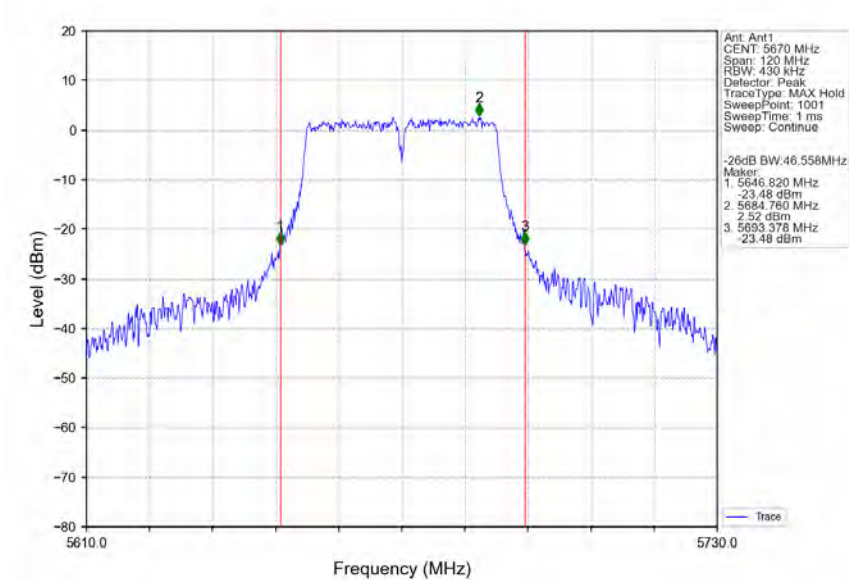
Compliance Certification Services (Kunshan) Inc.

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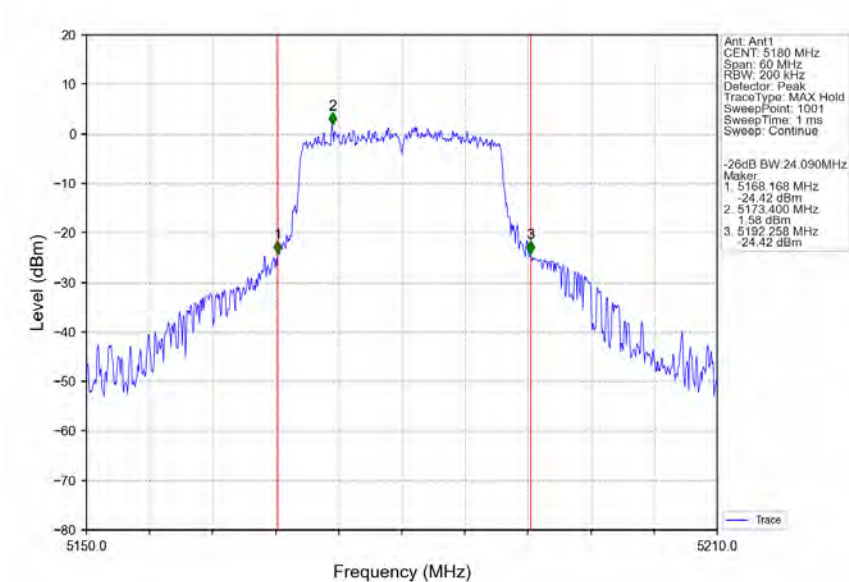
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802.11ac(VHT40) HCH 5670MHz Ant1 NTN



802.11ax(HEW20) LCH 5180MHz RU242 Left Ant1 NTN

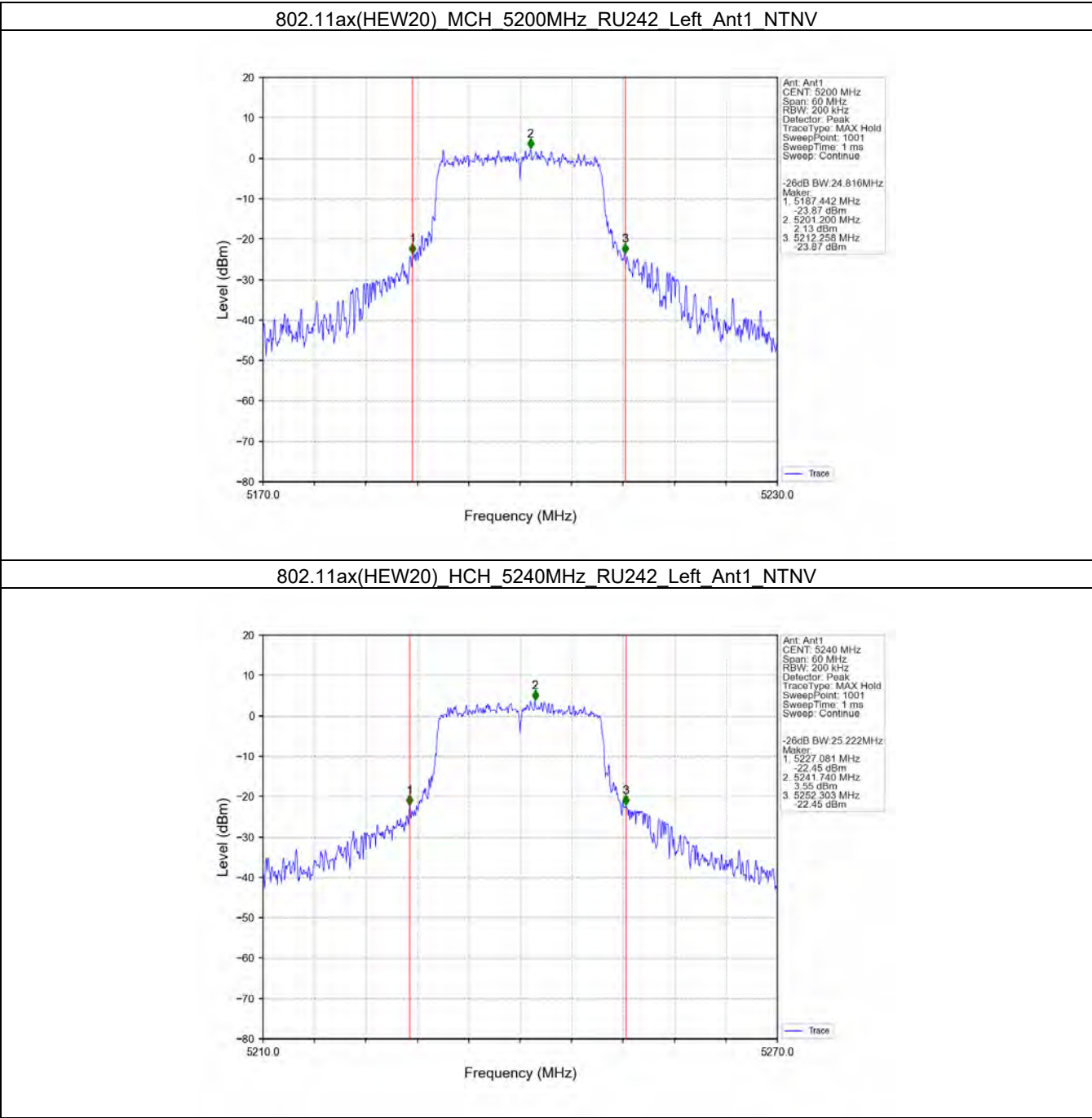


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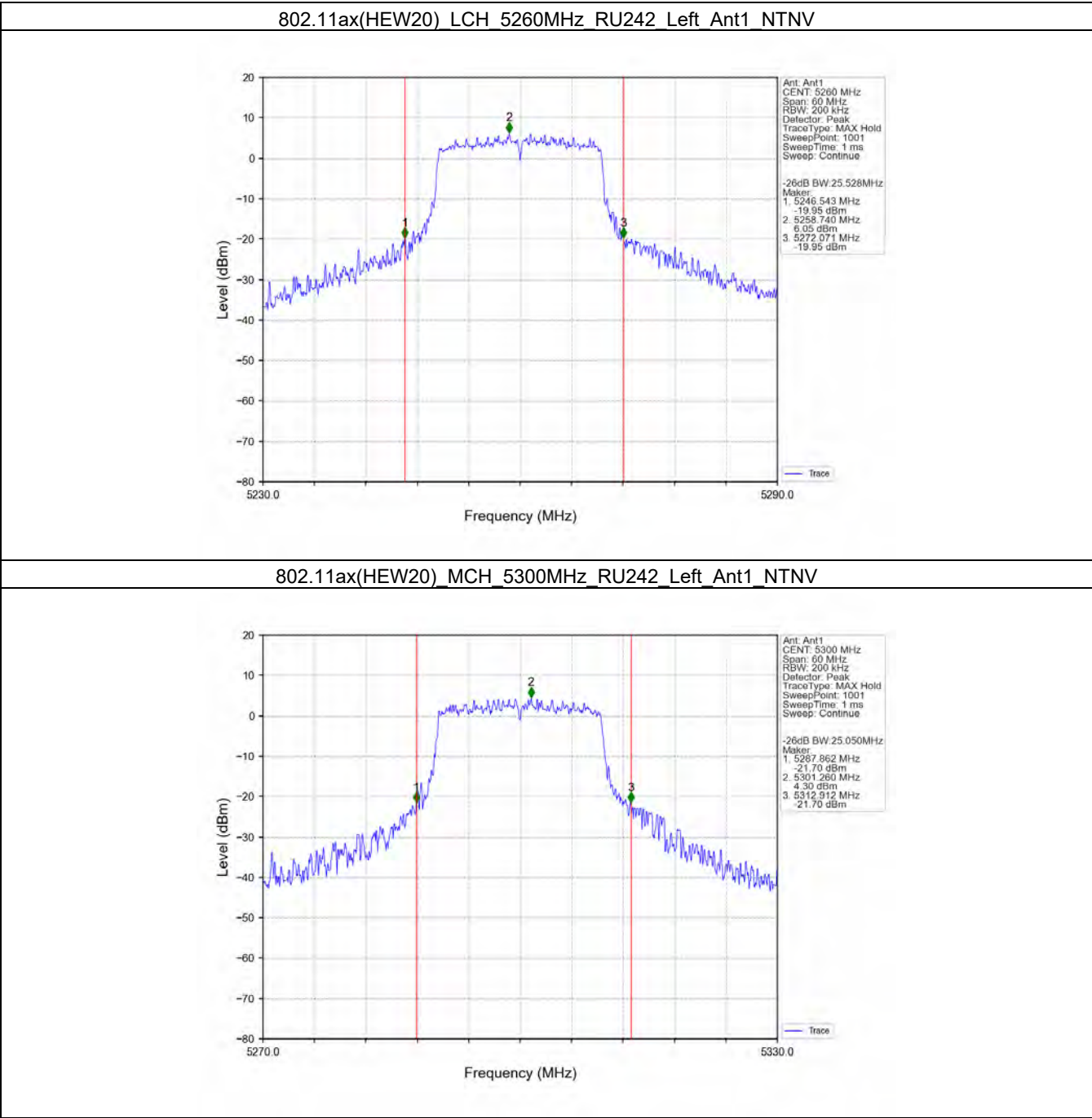


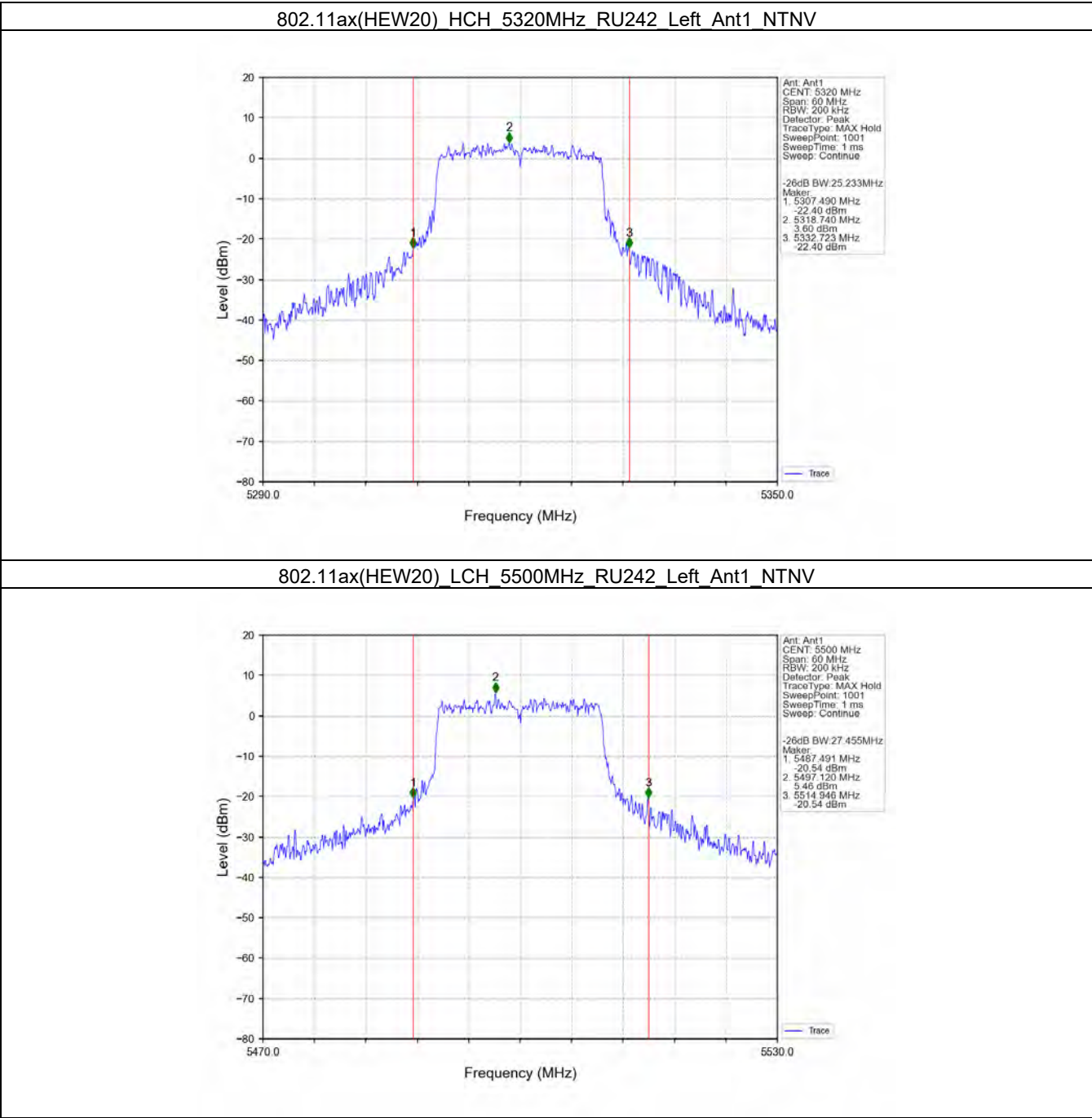
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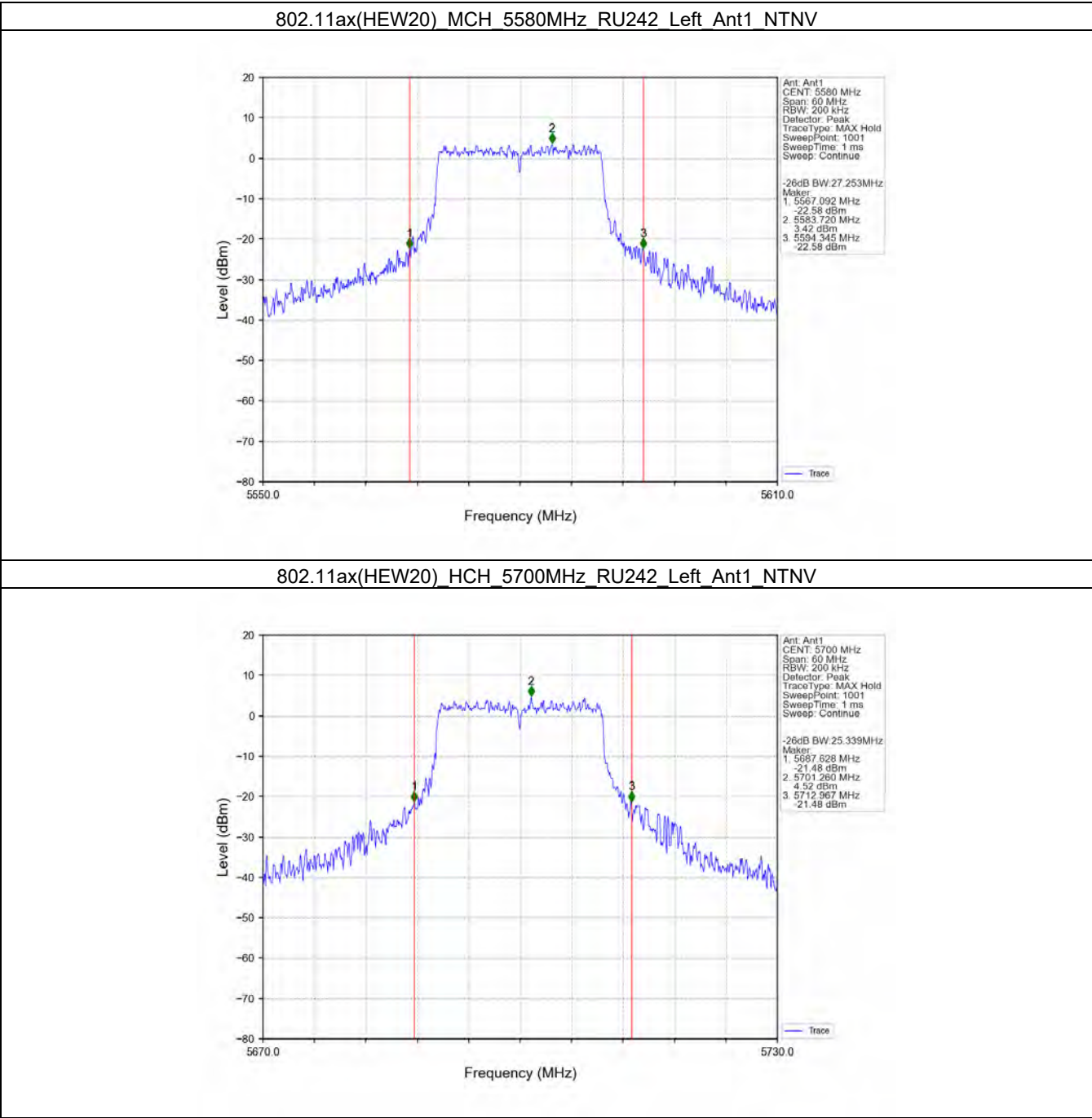


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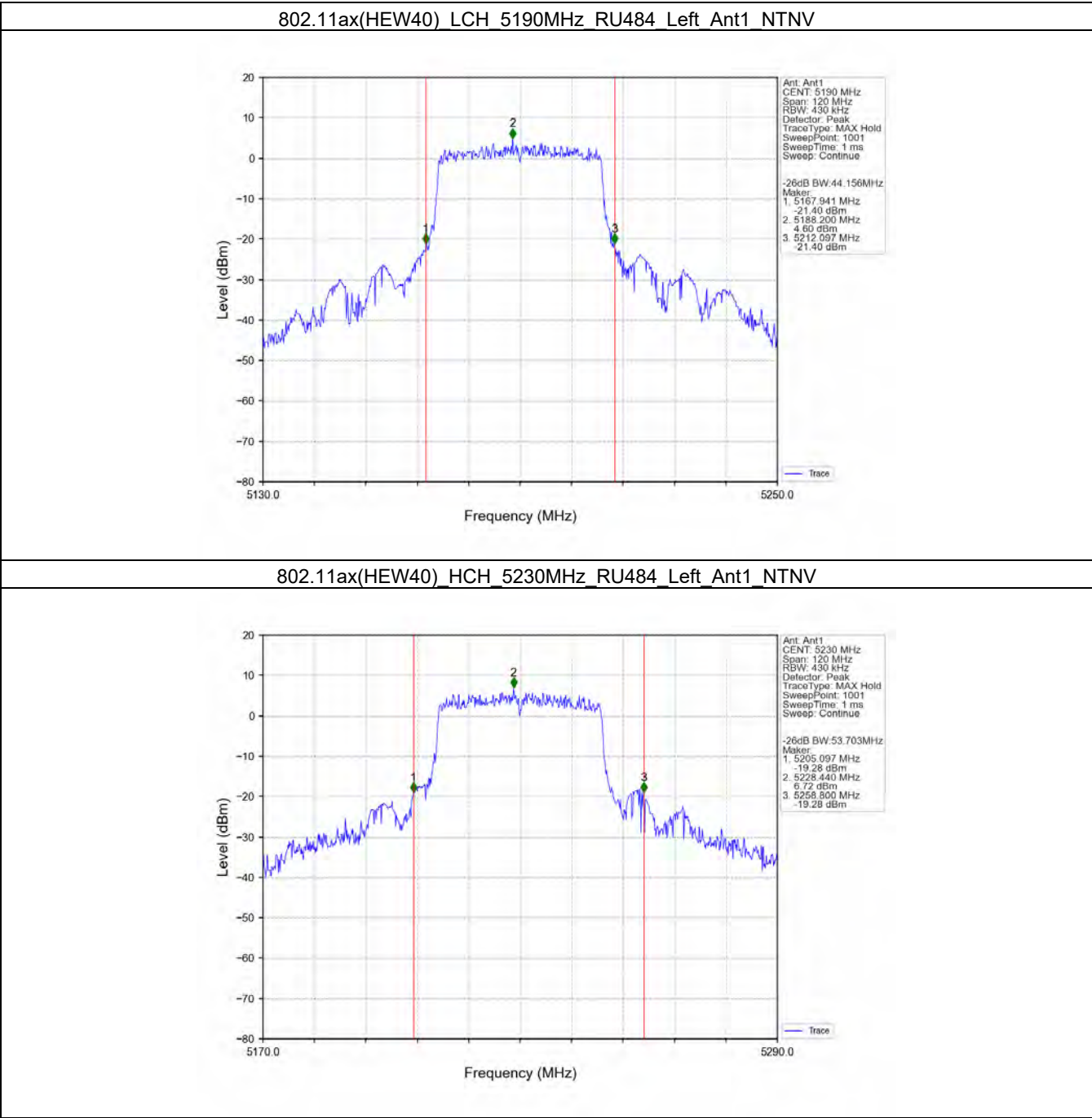


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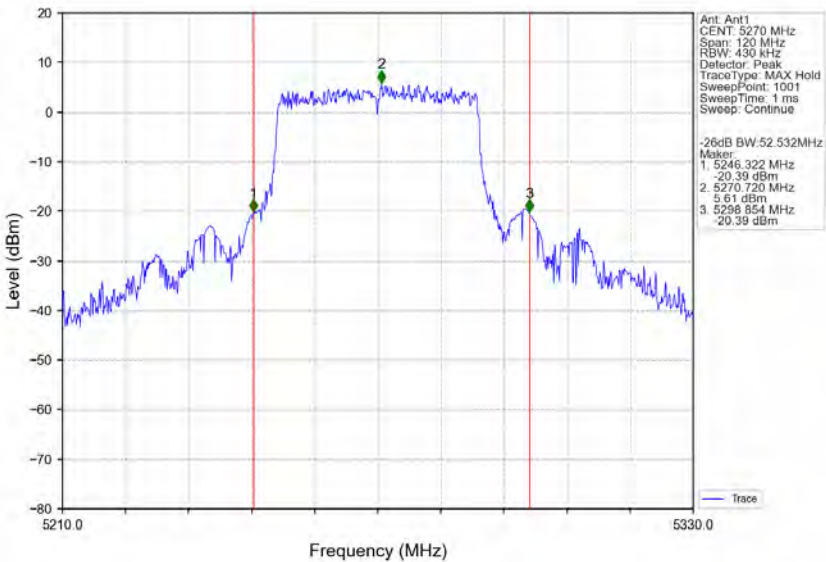
Compliance Certification Services (Kunshan) Inc.

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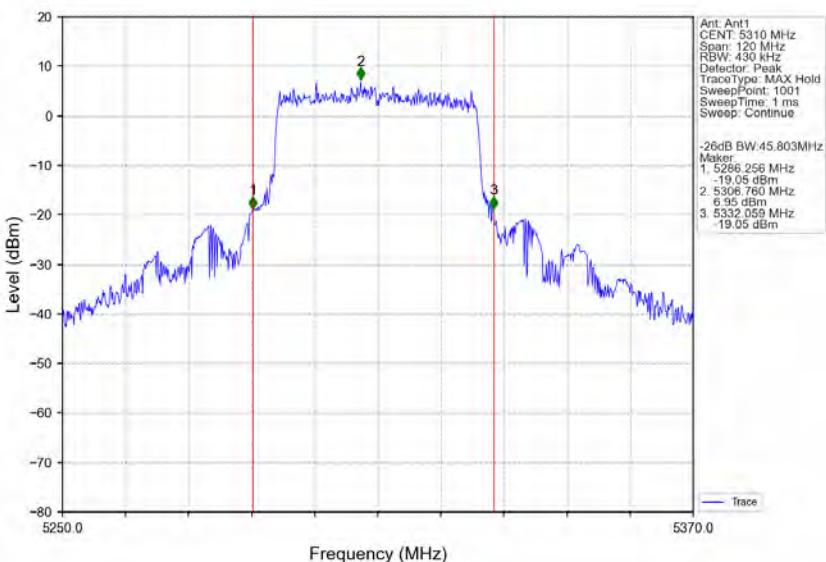
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802.11ax(HEW40) LCH 5270MHz RU484 Left Ant1 NTN



802.11ax(HEW40) HCH 5310MHz RU484 Left Ant1 NTN



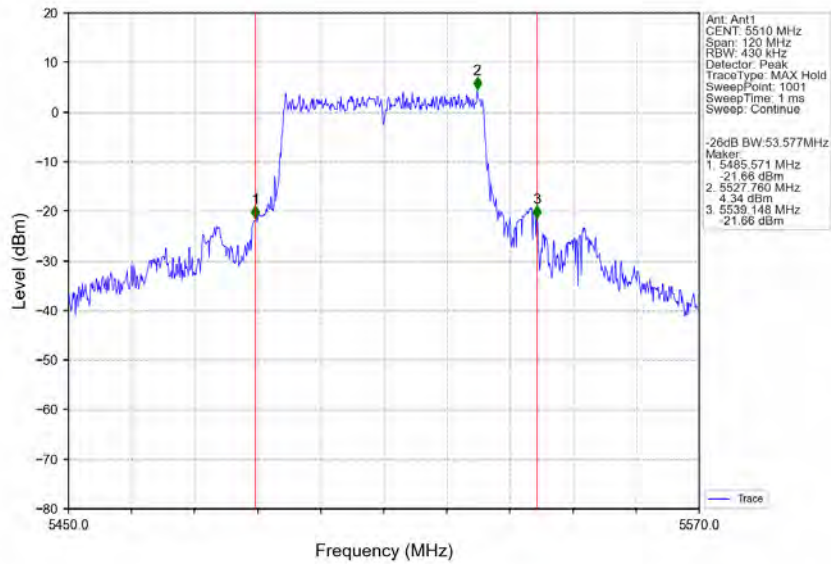
Compliance Certification Services (Kunshan) Inc.

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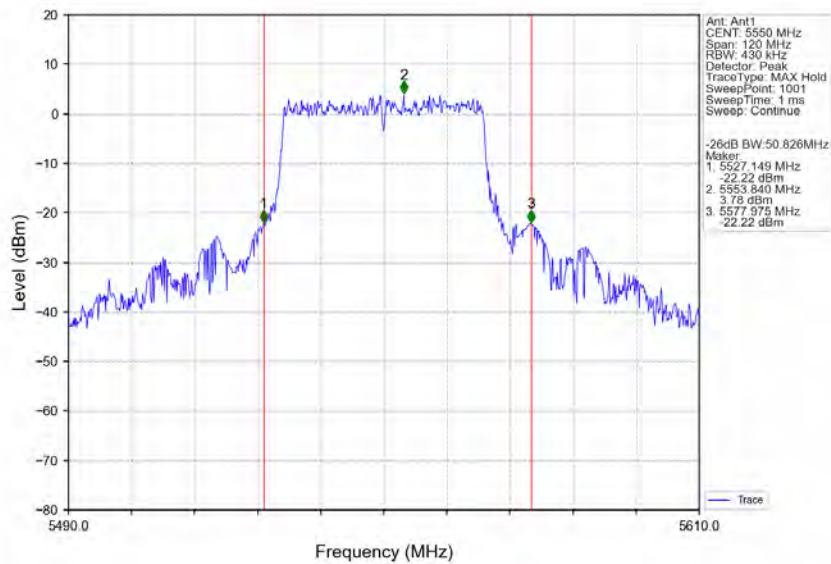
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802.11ax(HEW40) LCH 5510MHz RU484 Left Ant1 NTNv



802.11ax(HEW40) MCH 5550MHz RU484 Left Ant1 NTNv



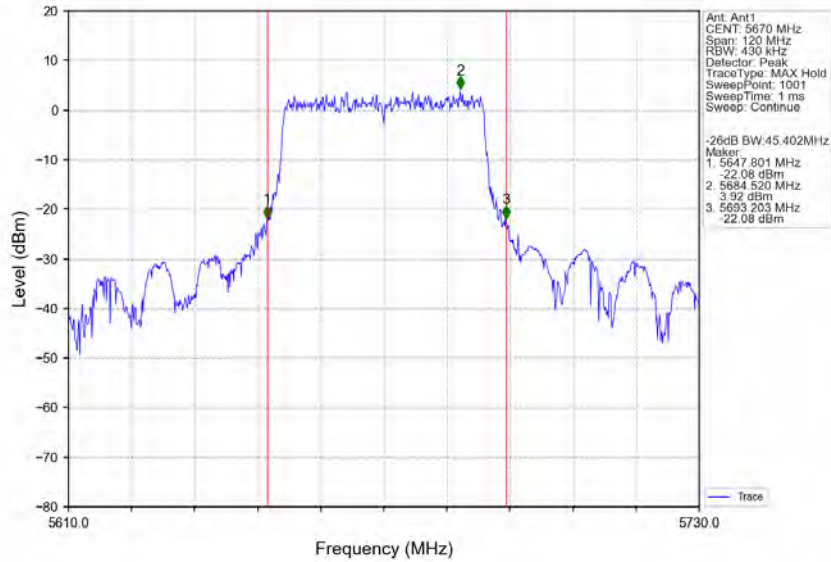
Compliance Certification Services (Kunshan) Inc.

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802.11ax(HEW40) HCH 5670MHz RU484 Left Ant1 NTN7



3. Maximum Conducted Output Power

3.1 Test Result

3.1.1 Power

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum Average Conducted Output Power (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	11.27	<=23.98	Pass
		5200	/	/	12.11	<=23.98	Pass
		5240	/	/	12.61	<=23.98	Pass
		5260	/	/	14.47	<=23.98	Pass
		5300	/	/	14.82	<=23.98	Pass
		5320	/	/	14.79	<=23.98	Pass
		5500	/	/	14.41	<=23.98	Pass
		5580	/	/	14.90	<=23.98	Pass
		5700	/	/	14.85	<=23.98	Pass
		5745	/	/	14.31	<=30	Pass
		5785	/	/	14.57	<=30	Pass
		5825	/	/	14.61	<=30	Pass
802.11ac (VHT20)	SISO	5180	/	/	11.27	<=23.98	Pass
		5200	/	/	12.18	<=23.98	Pass
		5240	/	/	12.63	<=23.98	Pass
		5260	/	/	14.20	<=23.98	Pass
		5300	/	/	14.55	<=23.98	Pass
		5320	/	/	14.42	<=23.98	Pass
		5500	/	/	13.99	<=23.98	Pass
		5580	/	/	14.47	<=23.98	Pass
		5700	/	/	14.20	<=23.98	Pass
		5745	/	/	14.29	<=30	Pass
		5785	/	/	14.55	<=30	Pass
		5825	/	/	14.59	<=30	Pass
802.11ac (VHT40)	SISO	5190	/	/	13.27	<=23.98	Pass
		5230	/	/	12.84	<=23.98	Pass
		5270	/	/	14.25	<=23.98	Pass
		5310	/	/	14.51	<=23.98	Pass
		5510	/	/	14.03	<=23.98	Pass
		5550	/	/	13.57	<=23.98	Pass
		5670	/	/	13.44	<=23.98	Pass
		5755	/	/	14.08	<=30	Pass
		5795	/	/	14.63	<=30	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	11.17	<=23.98	Pass
		5200	RU242	Left	12.05	<=23.98	Pass
		5240	RU242	Left	13.45	<=23.98	Pass
		5260	RU242	Left	14.15	<=23.98	Pass
		5300	RU242	Left	14.60	<=23.98	Pass
		5320	RU242	Left	14.47	<=23.98	Pass
		5500	RU242	Left	14.61	<=23.98	Pass

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		5580	RU242	Left	14.59	≤ 23.98	Pass
		5700	RU242	Left	14.33	≤ 23.98	Pass
		5745	RU242	Left	14.31	≤ 30	Pass
		5785	RU242	Left	14.72	≤ 30	Pass
		5825	RU242	Left	14.78	≤ 30	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	12.17	≤ 23.98	Pass
		5230	RU484	Left	14.78	≤ 23.98	Pass
		5270	RU484	Left	14.72	≤ 23.98	Pass
		5310	RU484	Left	15.07	≤ 23.98	Pass
		5510	RU484	Left	12.88	≤ 23.98	Pass
		5550	RU484	Left	12.63	≤ 23.98	Pass
		5670	RU484	Left	12.39	≤ 23.98	Pass
		5755	RU484	Left	14.29	≤ 30	Pass
		5795	RU484	Left	14.98	≤ 30	Pass

Note1: Antenna Gain: Ant1: 0.80dBi;

3.1.2 EIRP

Mode	TX Type	Frequency (MHz)	RU	RU Pos	E.I.R.P (dBm)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	12.07	≤ 22.65	Pass
		5200	/	/	12.91	≤ 22.66	Pass
		5240	/	/	13.41	≤ 22.65	Pass
		5260	/	/	15.27	≤ 29.68	Pass
		5300	/	/	15.62	≤ 29.6	Pass
		5320	/	/	15.59	≤ 29.64	Pass
		5500	/	/	15.21	≤ 29.8	Pass
		5580	/	/	15.70	≤ 29.85	Pass
		5700	/	/	15.65	≤ 29.75	Pass
		5745	/	/	15.11	/	Pass
		5785	/	/	15.37	/	Pass
		5825	/	/	15.41	/	Pass
802.11ac (VHT20)	SISO	5180	/	/	12.07	≤ 22.86	Pass
		5200	/	/	12.98	≤ 22.87	Pass
		5240	/	/	13.43	≤ 22.91	Pass
		5260	/	/	15.00	≤ 29.86	Pass
		5300	/	/	15.35	≤ 29.89	Pass
		5320	/	/	15.22	≤ 29.86	Pass
		5500	/	/	14.79	≤ 29.99	Pass
		5580	/	/	15.27	≤ 29.97	Pass
		5700	/	/	15.00	≤ 29.93	Pass
		5745	/	/	15.09	/	Pass
		5785	/	/	15.35	/	Pass
		5825	/	/	15.39	/	Pass
802.11ac (VHT40)	SISO	5190	/	/	14.07	≤ 23.01	Pass
		5230	/	/	13.64	≤ 23.01	Pass
		5270	/	/	15.05	≤ 30	Pass
		5310	/	/	15.31	≤ 30	Pass
		5510	/	/	14.83	≤ 30	Pass
		5550	/	/	14.37	≤ 30	Pass
		5670	/	/	14.24	≤ 30	Pass

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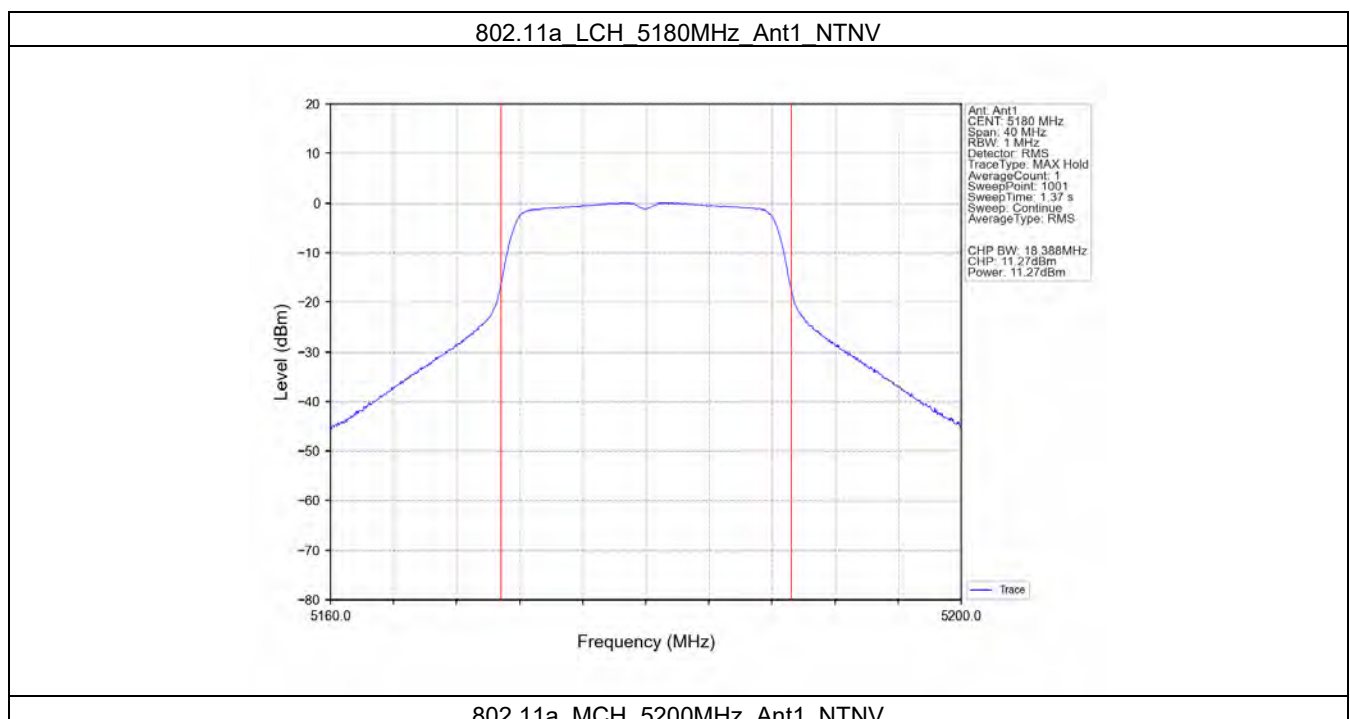
		5755	/	/	14.88	/	Pass
		5795	/	/	15.43	/	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	11.97	<=22.98	Pass
		5200	RU242	Left	12.85	<=22.99	Pass
		5240	RU242	Left	14.25	<=22.99	Pass
		5260	RU242	Left	14.95	<=29.98	Pass
		5300	RU242	Left	15.40	<=30	Pass
		5320	RU242	Left	15.27	<=29.99	Pass
		5500	RU242	Left	15.41	<=30	Pass
		5580	RU242	Left	15.39	<=30	Pass
		5700	RU242	Left	15.13	<=30	Pass
		5745	RU242	Left	15.11	/	Pass
		5785	RU242	Left	15.52	/	Pass
		5825	RU242	Left	15.58	/	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	12.97	<=23.01	Pass
		5230	RU484	Left	15.58	<=23.01	Pass
		5270	RU484	Left	15.52	<=30	Pass
		5310	RU484	Left	15.87	<=30	Pass
		5510	RU484	Left	13.68	<=30	Pass
		5550	RU484	Left	13.43	<=30	Pass
		5670	RU484	Left	13.19	<=30	Pass
		5755	RU484	Left	15.09	/	Pass
		5795	RU484	Left	15.78	/	Pass

Note1: Antenna Gain: Ant1: 0.80dBi;

Note2: E.I.R.P = Measured Power + Antenna Gain

3.2 Test Graph

3.2.1 Power

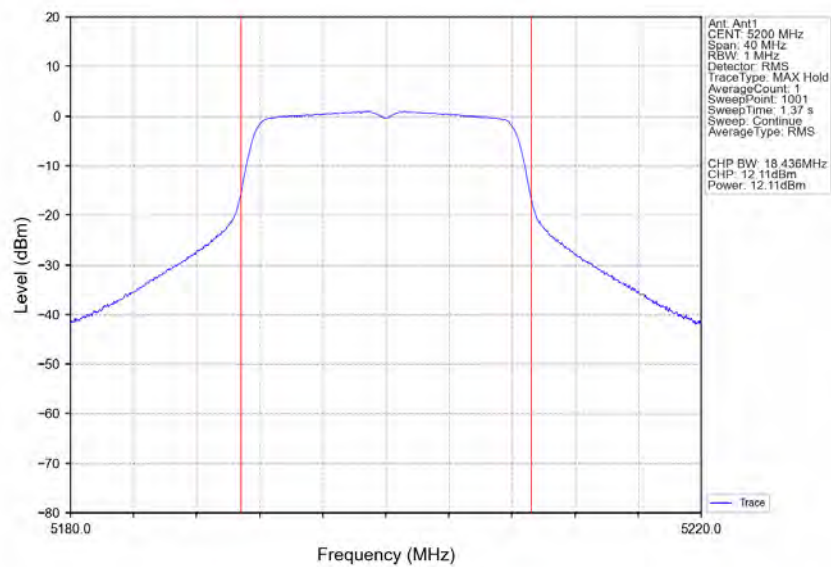


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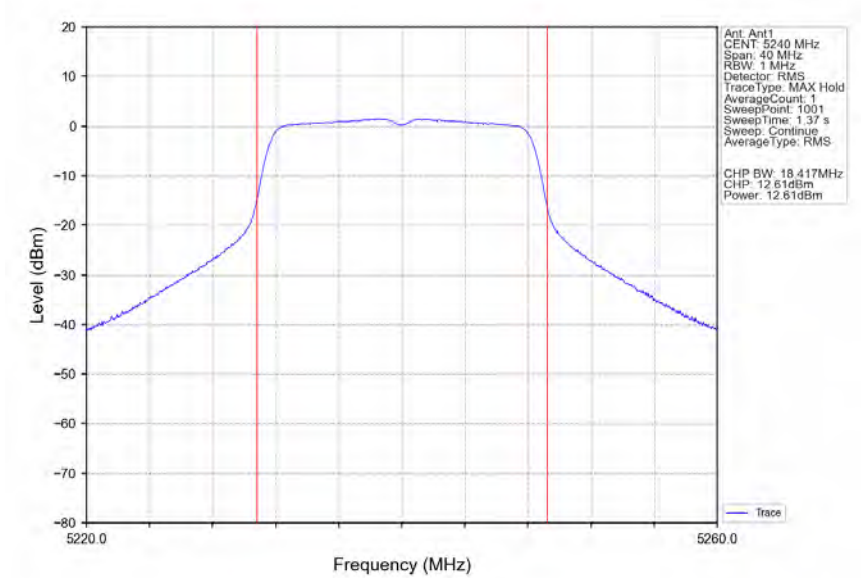
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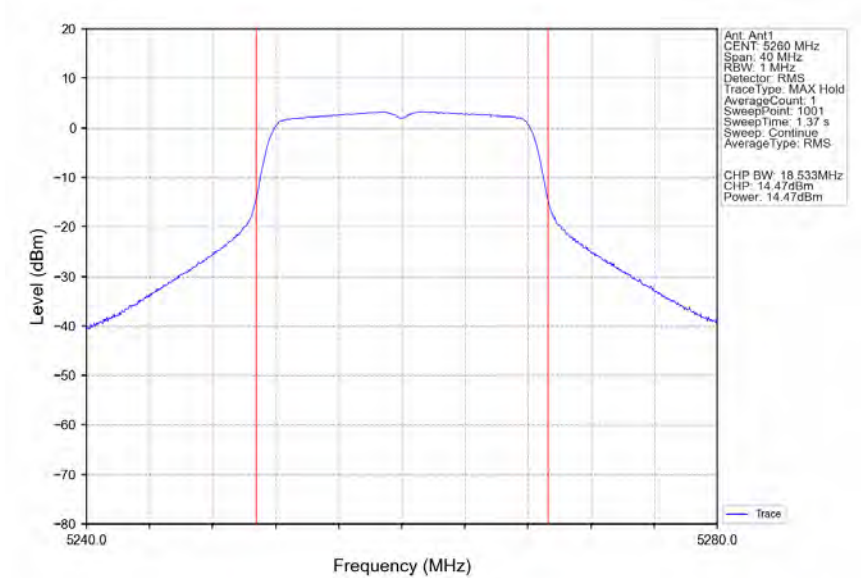
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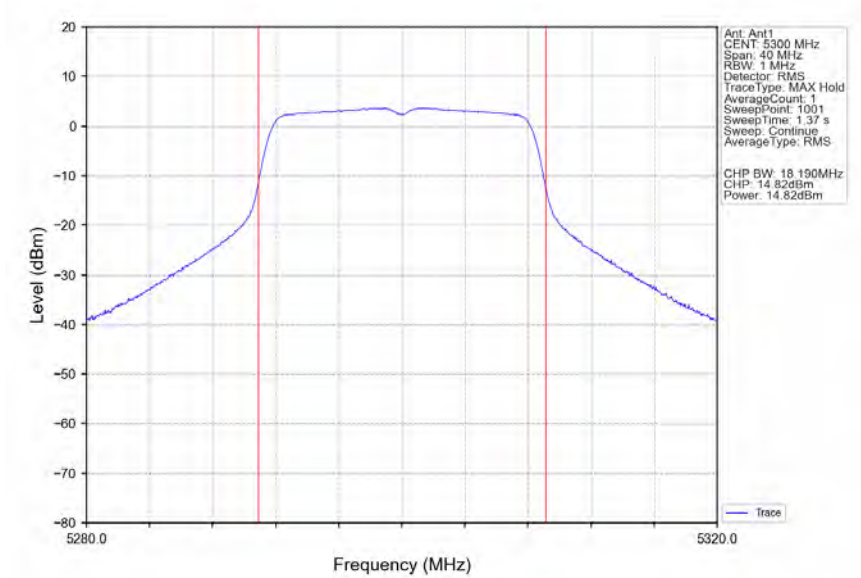
802.11a HCH 5240MHz Ant1 NTN



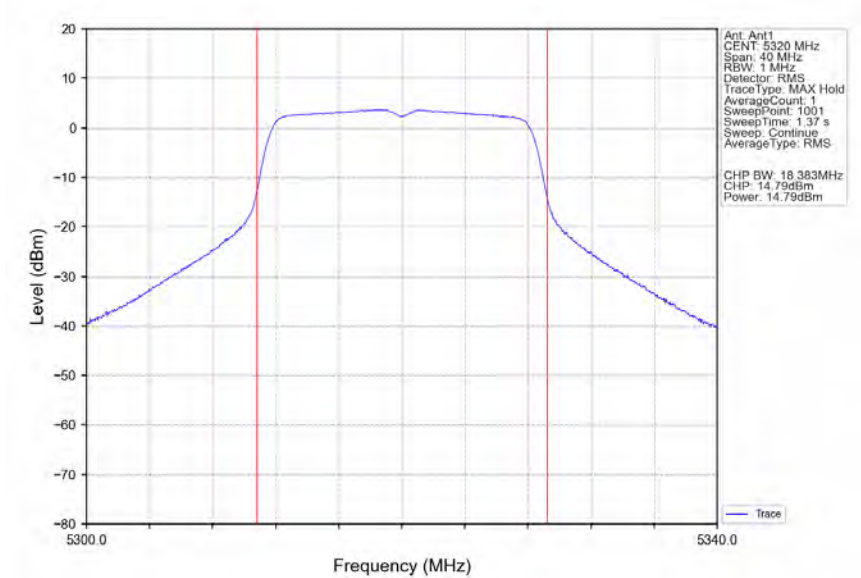
802.11a LCH 5260MHz Ant1 NTN



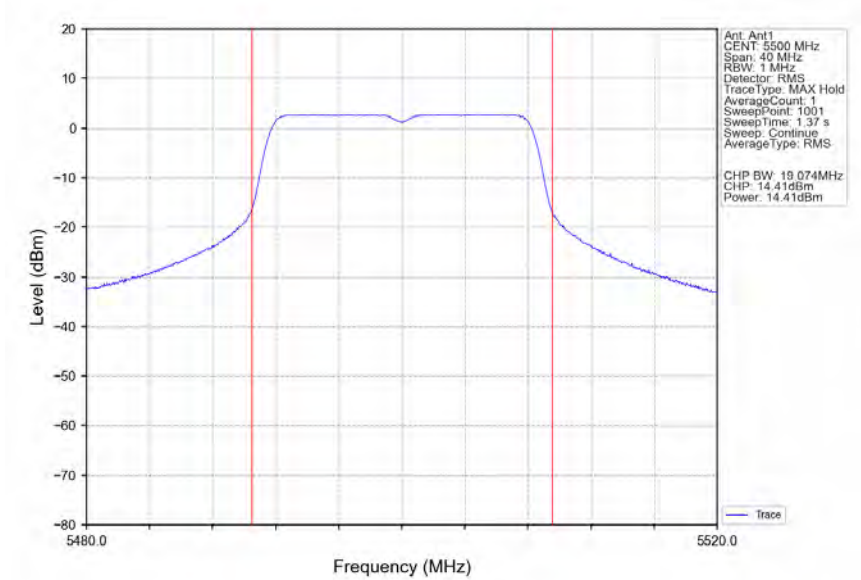
802.11a MCH 5300MHz Ant1 NTNV



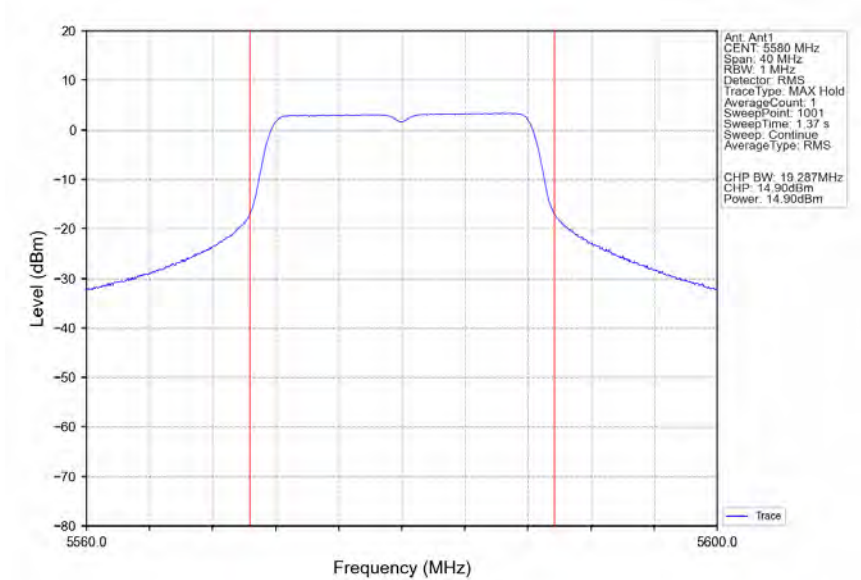
802.11a HCH 5320MHz Ant1 NTNV



802.11a LCH 5500MHz Ant1 NTV



802.11a MCH 5580MHz Ant1 NTV



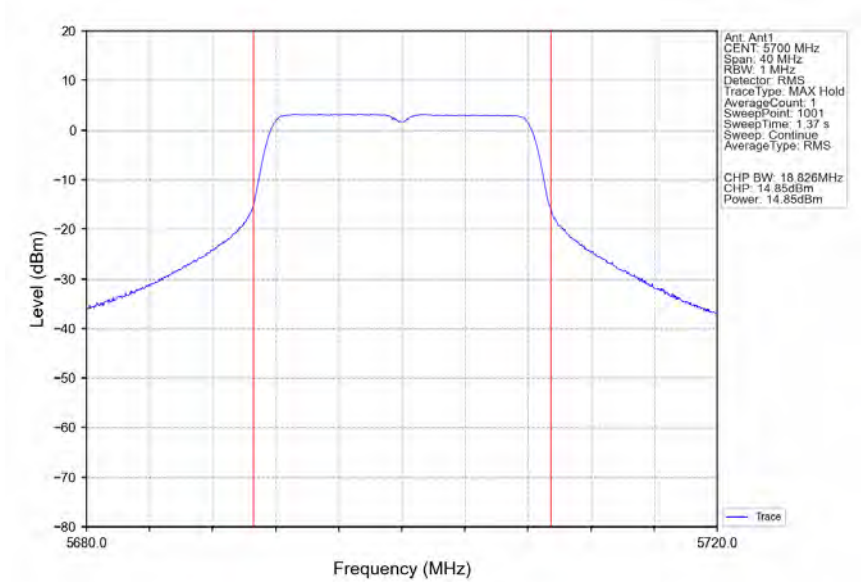
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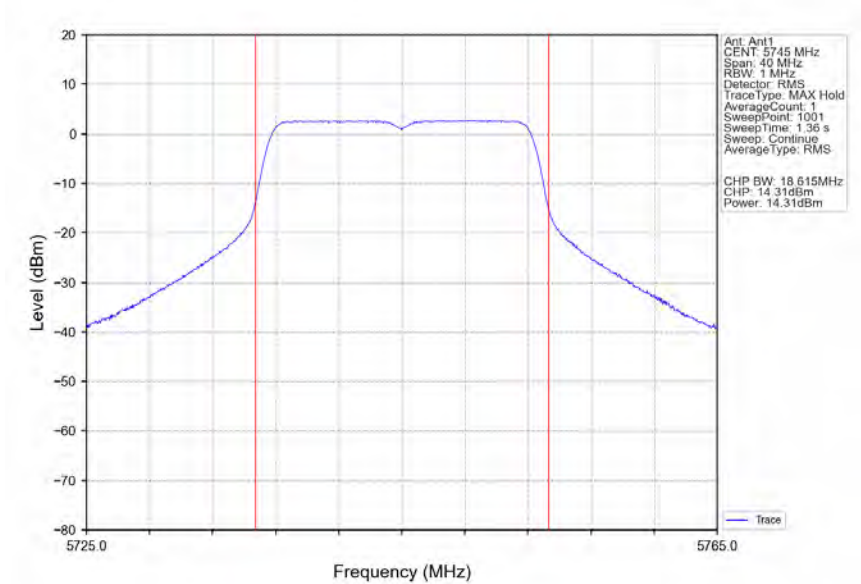
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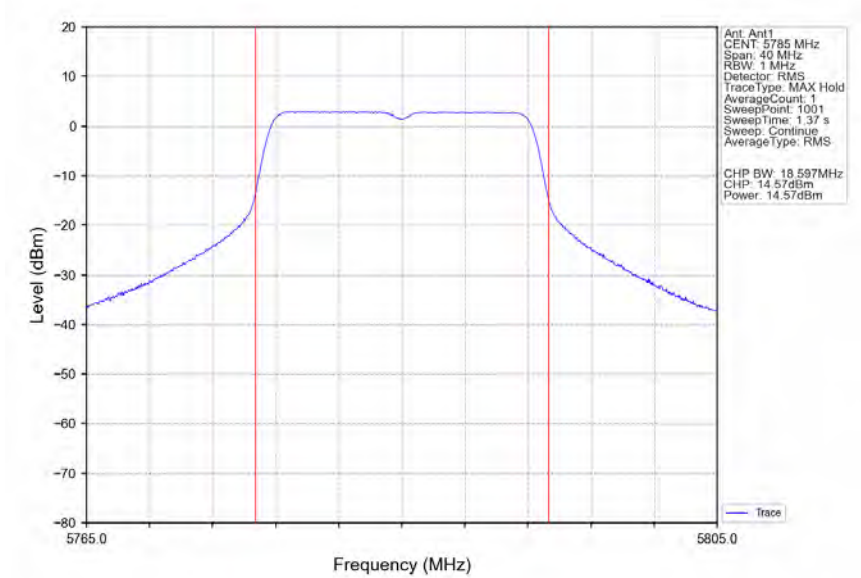
802.11a HCH 5700MHz Ant1 NTN



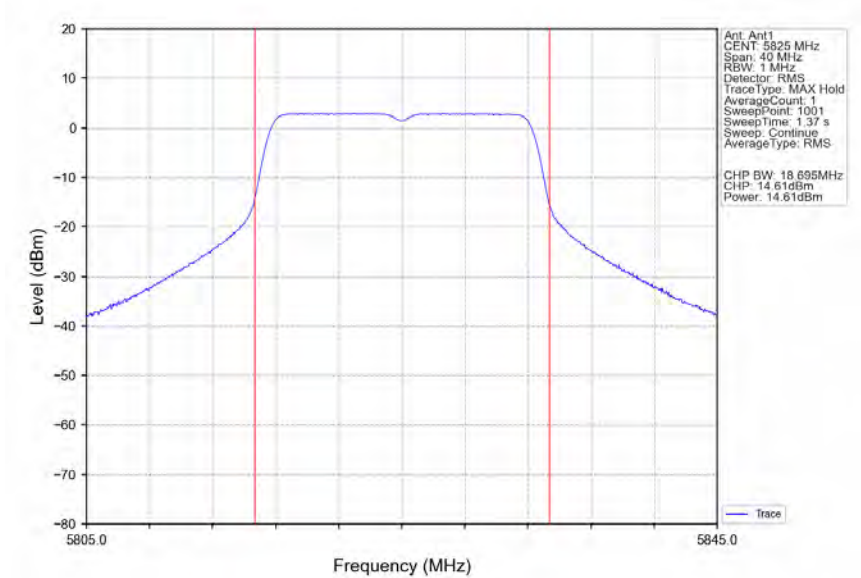
802.11a LCH 5745MHz Ant1 NTN



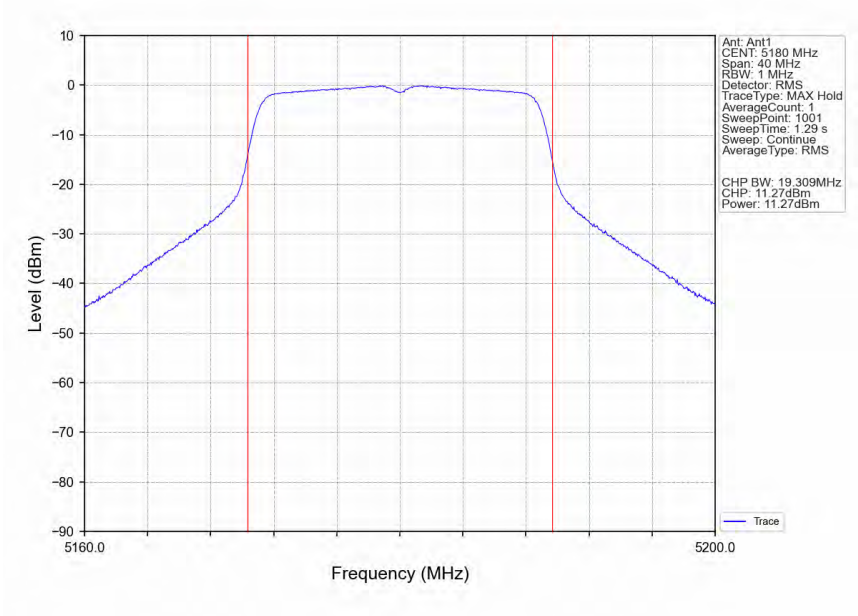
802.11a MCH 5785MHz Ant1 NTNV



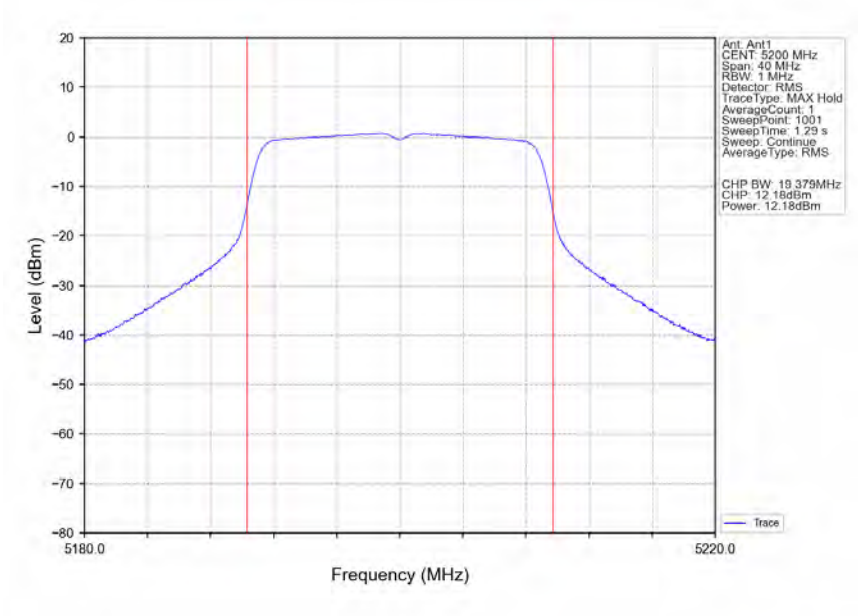
802.11a HCH 5825MHz Ant1 NTNV



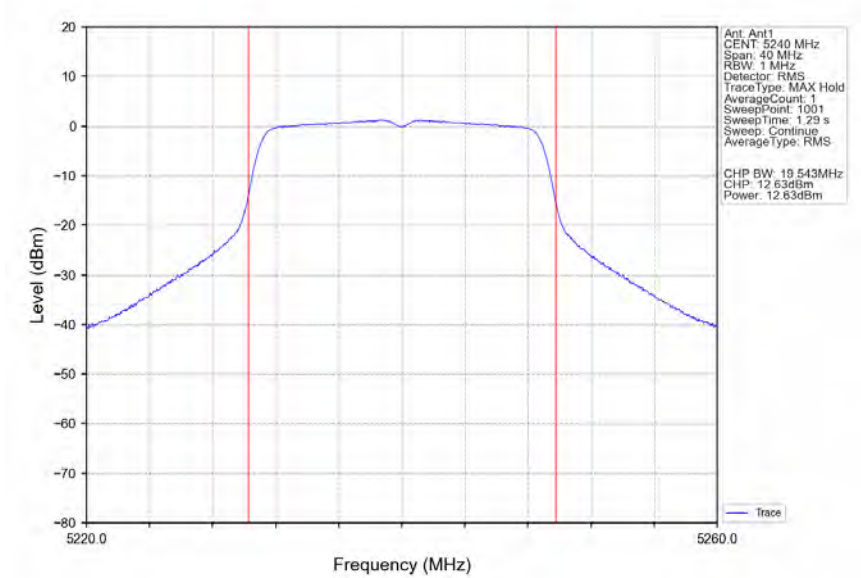
802.11ac(VHT20) LCH 5180MHz Ant1 NTN



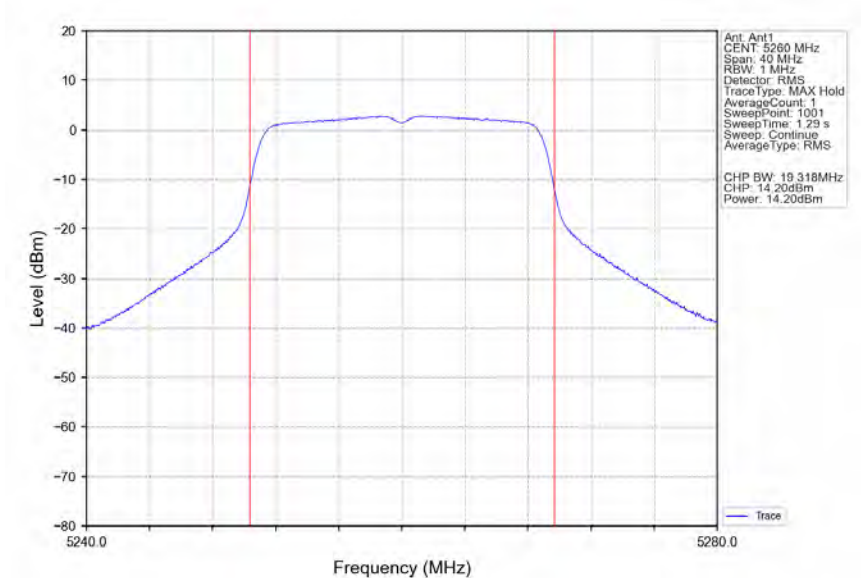
802.11ac(VHT20) MCH 5200MHz Ant1 NTN



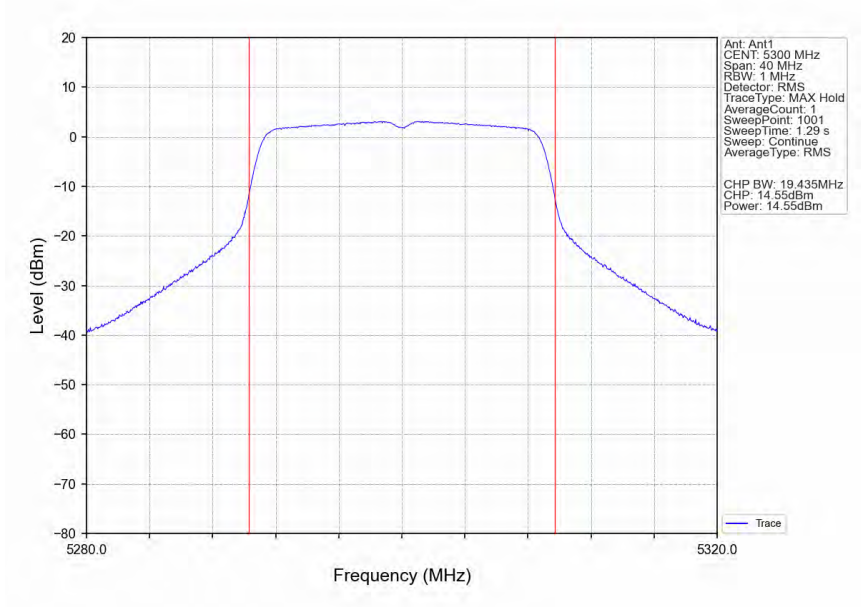
802.11ac(VHT20) HCH 5240MHz Ant1 NTN



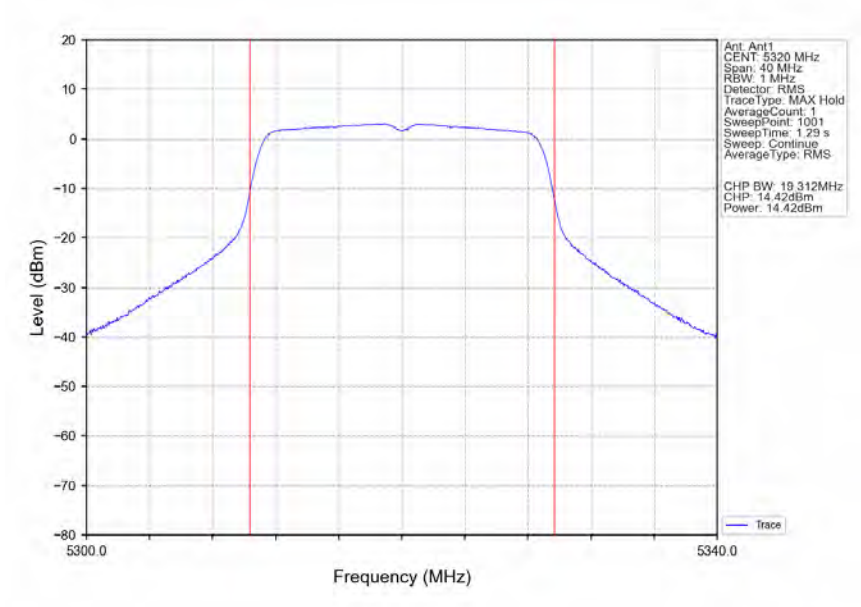
802.11ac(VHT20) LCH 5260MHz Ant1 NTN



802.11ac(VHT20) MCH 5300MHz Ant1 NTN



802.11ac(VHT20) HCH 5320MHz Ant1 NTN



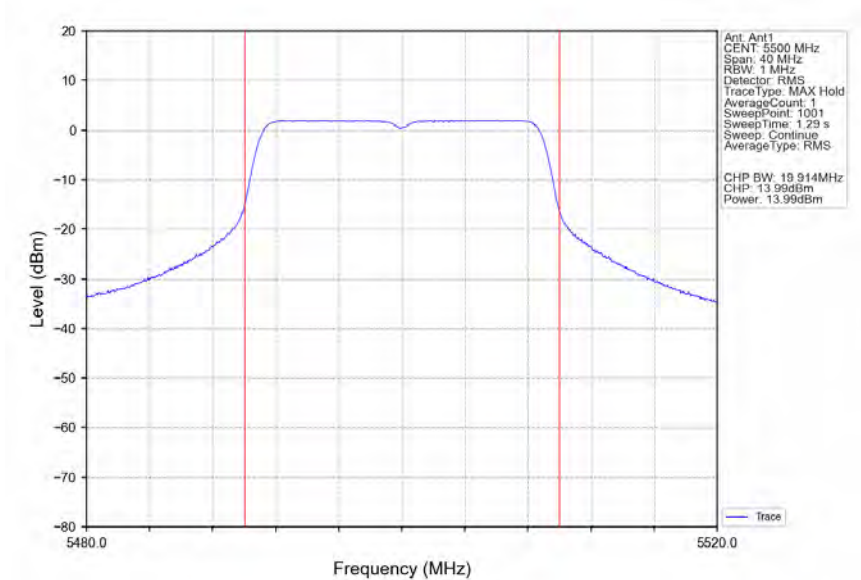
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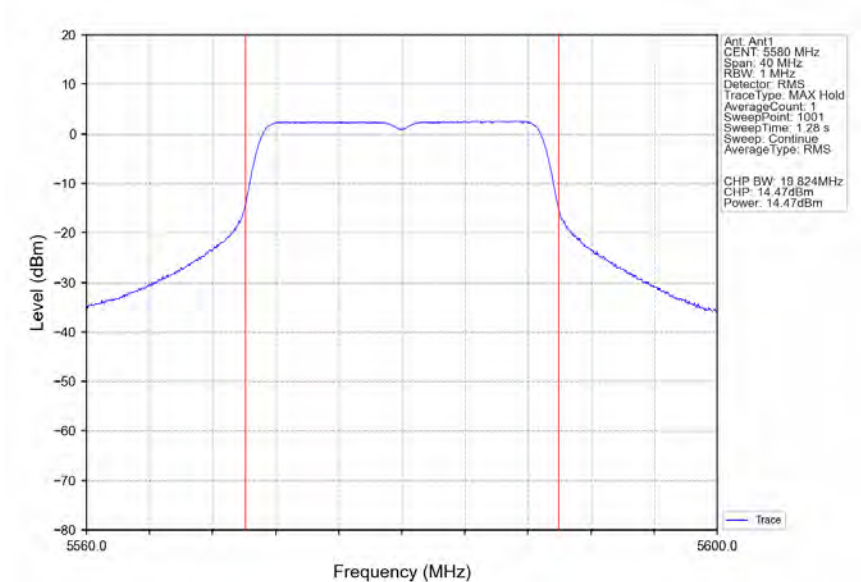
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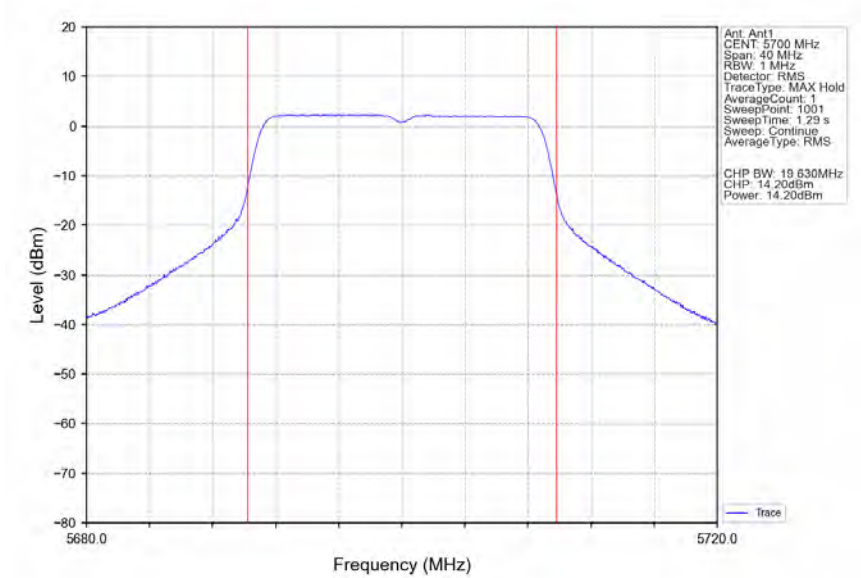
802.11ac(VHT20) LCH 5500MHz Ant1 NTN



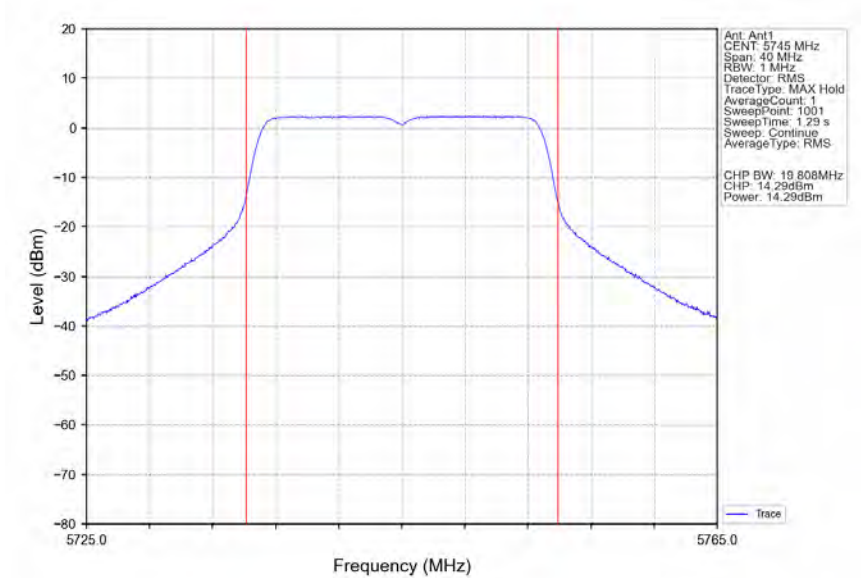
802.11ac(VHT20) MCH 5580MHz Ant1 NTN



802.11ac(VHT20) HCH 5700MHz Ant1 NTN



802.11ac(VHT20) LCH 5745MHz Ant1 NTN



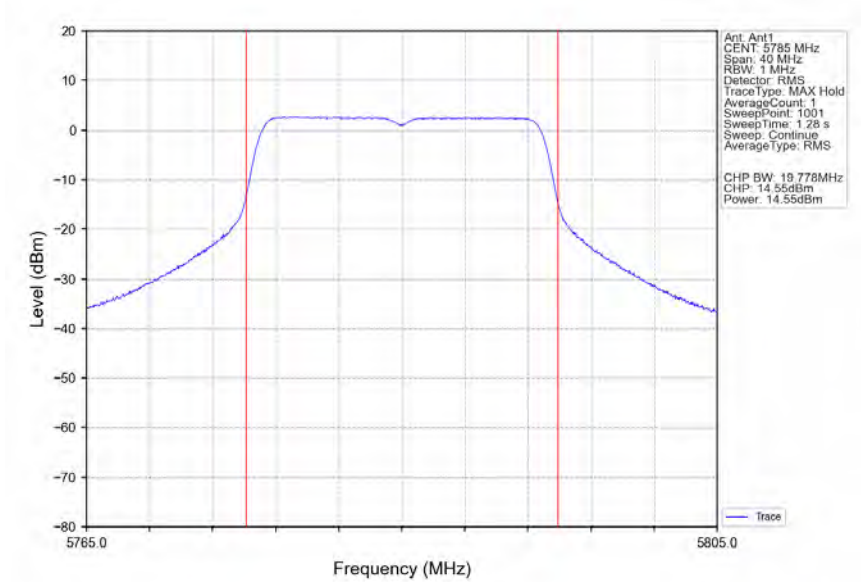
Compliance Certification Services (Kunshan) Inc.

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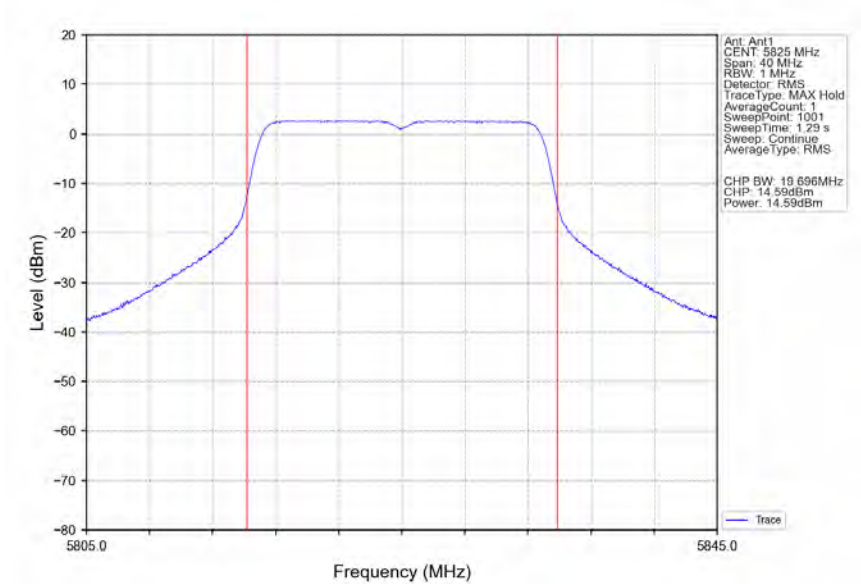
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802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



802.11ac(VHT20) HCH_5825MHz_Ant1_NTNV



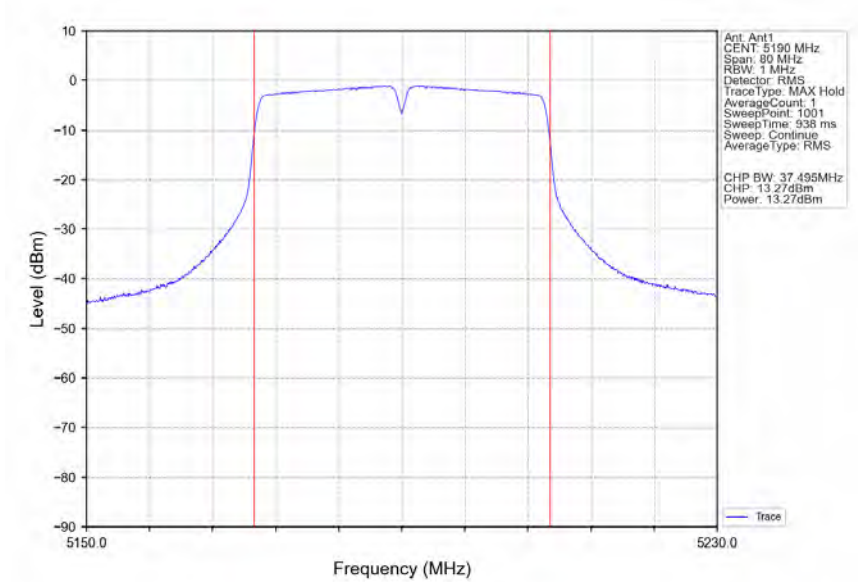
Compliance Certification Services (Kunshan) Inc.

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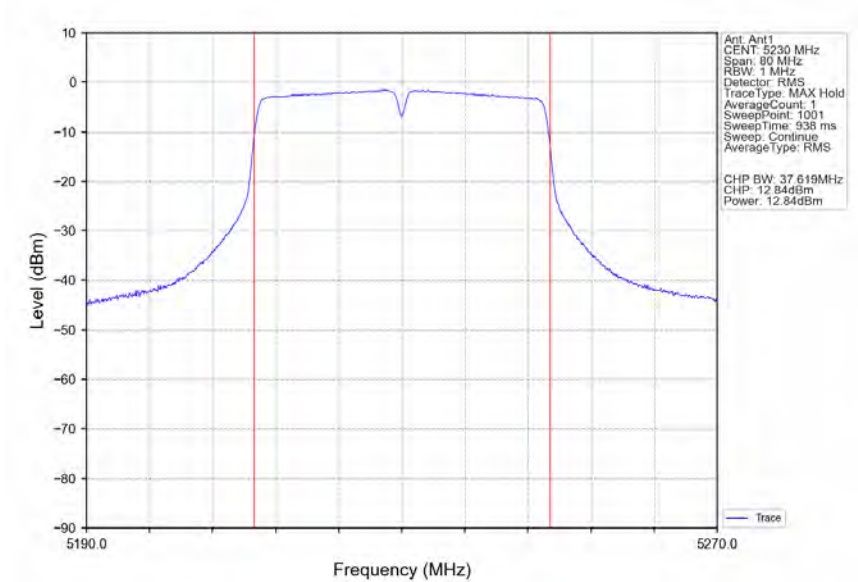
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802.11ac(VHT40) LCH 5190MHz Ant1 NTN



802.11ac(VHT40) HCH 5230MHz Ant1 NTN



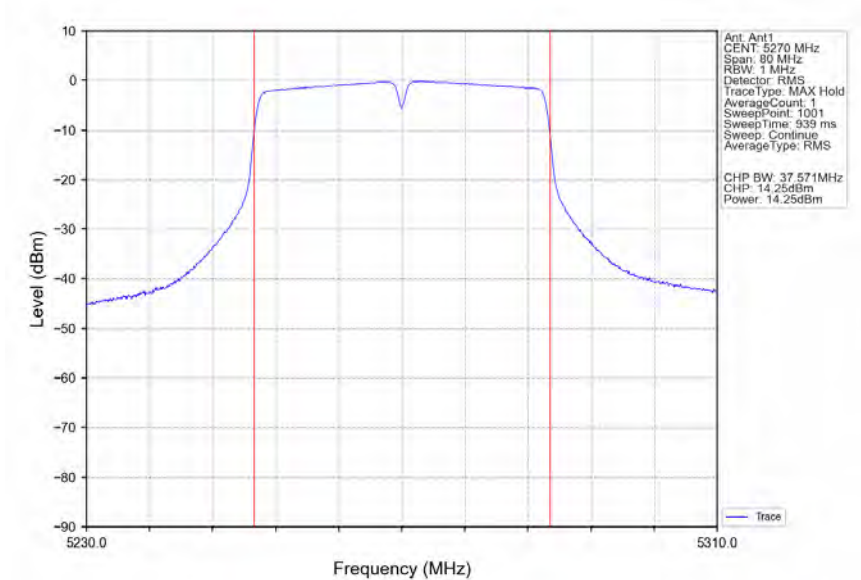
Compliance Certification Services (Kunshan) Inc.

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

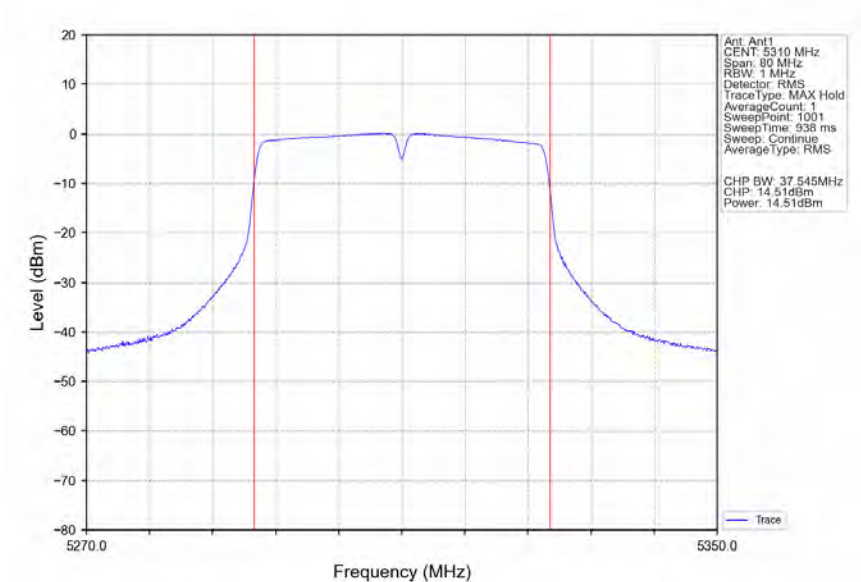
Report No.: KSCR240900172502

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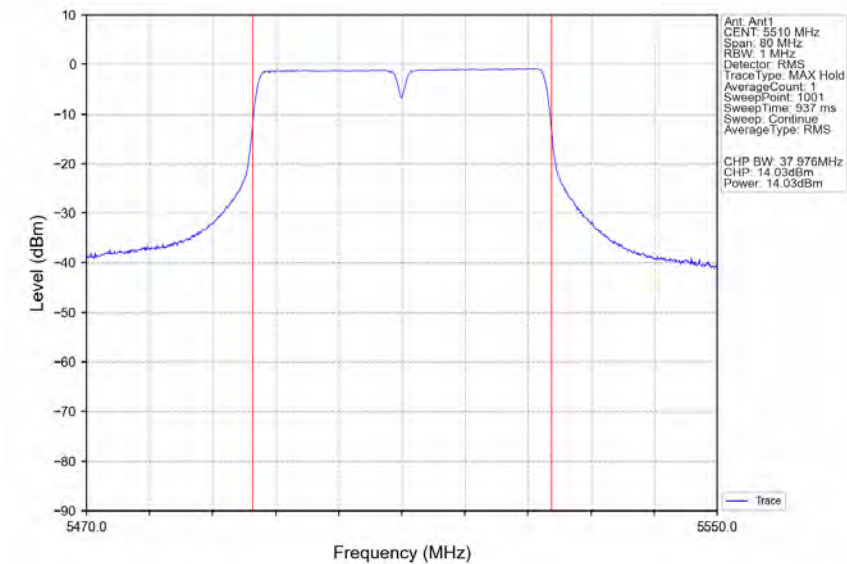
802.11ac(VHT40) LCH 5270MHz Ant1 NTN



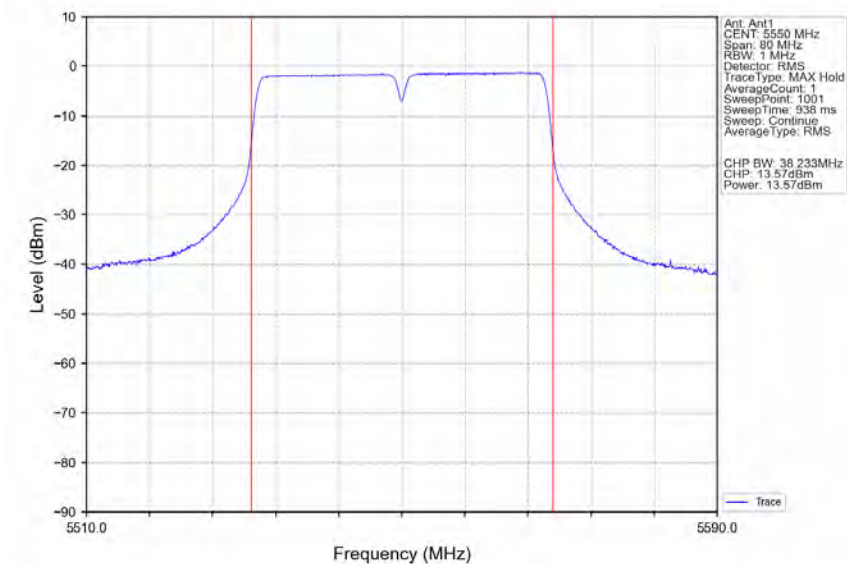
802.11ac(VHT40) HCH 5310MHz Ant1 NTN



802.11ac(VHT40) LCH 5510MHz Ant1 NTN



802.11ac(VHT40) MCH 5550MHz Ant1 NTN



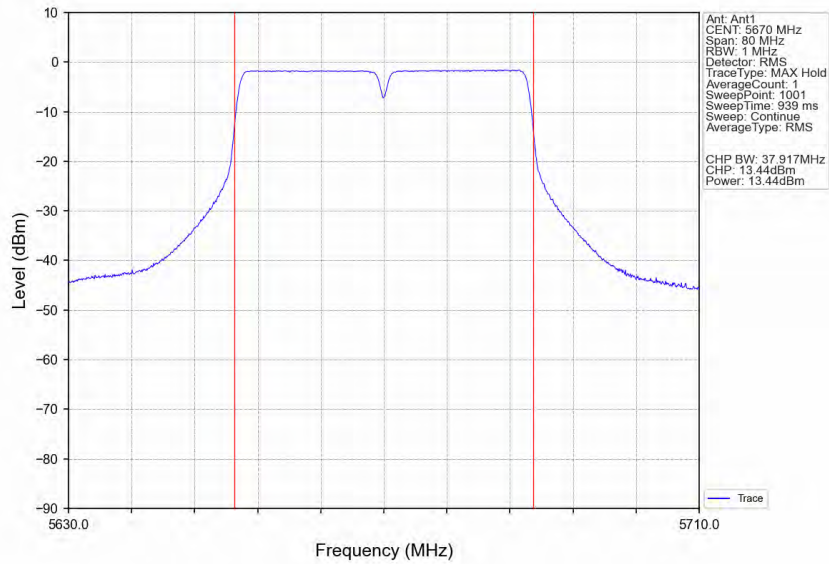
Compliance Certification Services (Kunshan) Inc.

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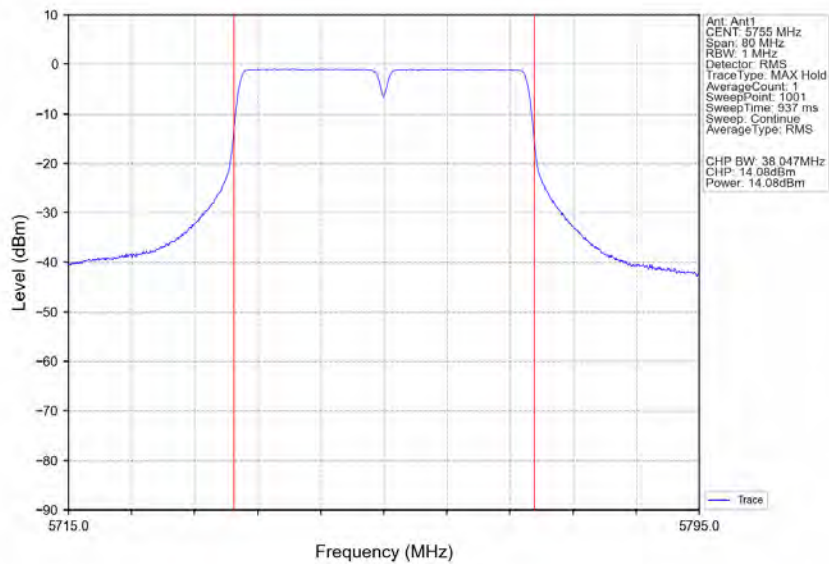
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802.11ac(VHT40) HCH 5670MHz Ant1 NTNV



802.11ac(VHT40) LCH 5755MHz Ant1 NTNV



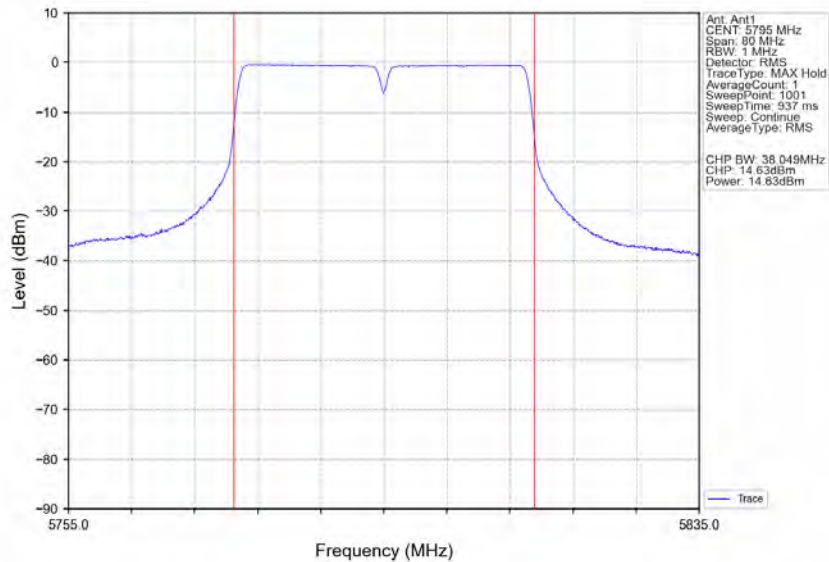
Compliance Certification Services (Kunshan) Inc.

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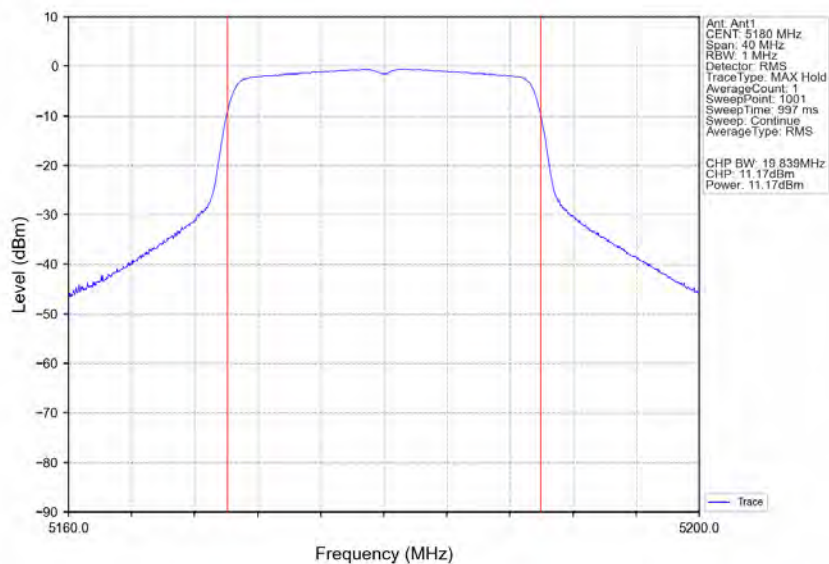
Report No.: KSCR240900172502

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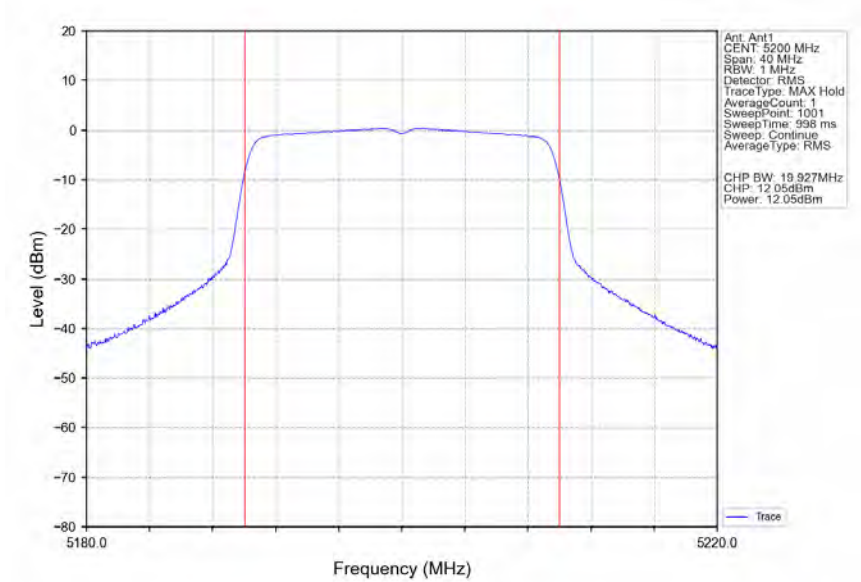
802.11ac(VHT40) HCH 5795MHz Ant1 NTN



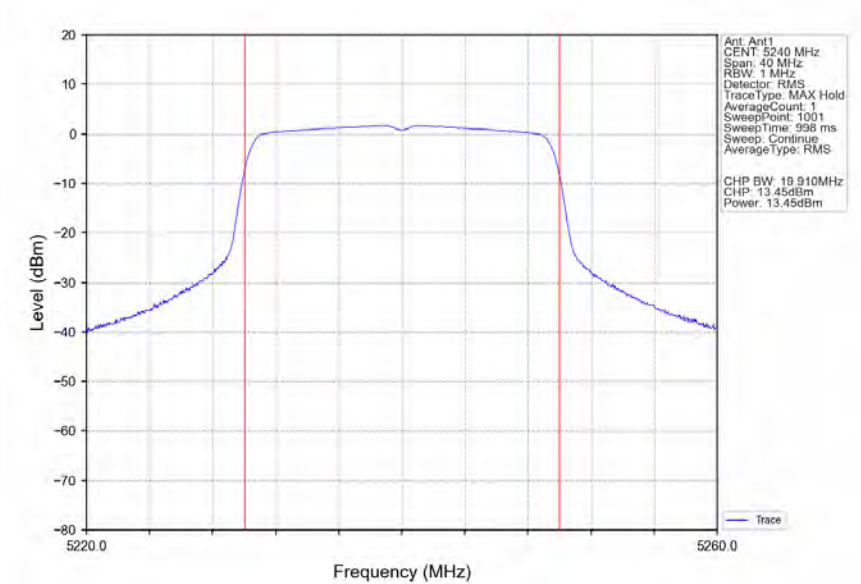
802.11ax(HEW20) LCH 5180MHz RU242 Left Ant1 NTN

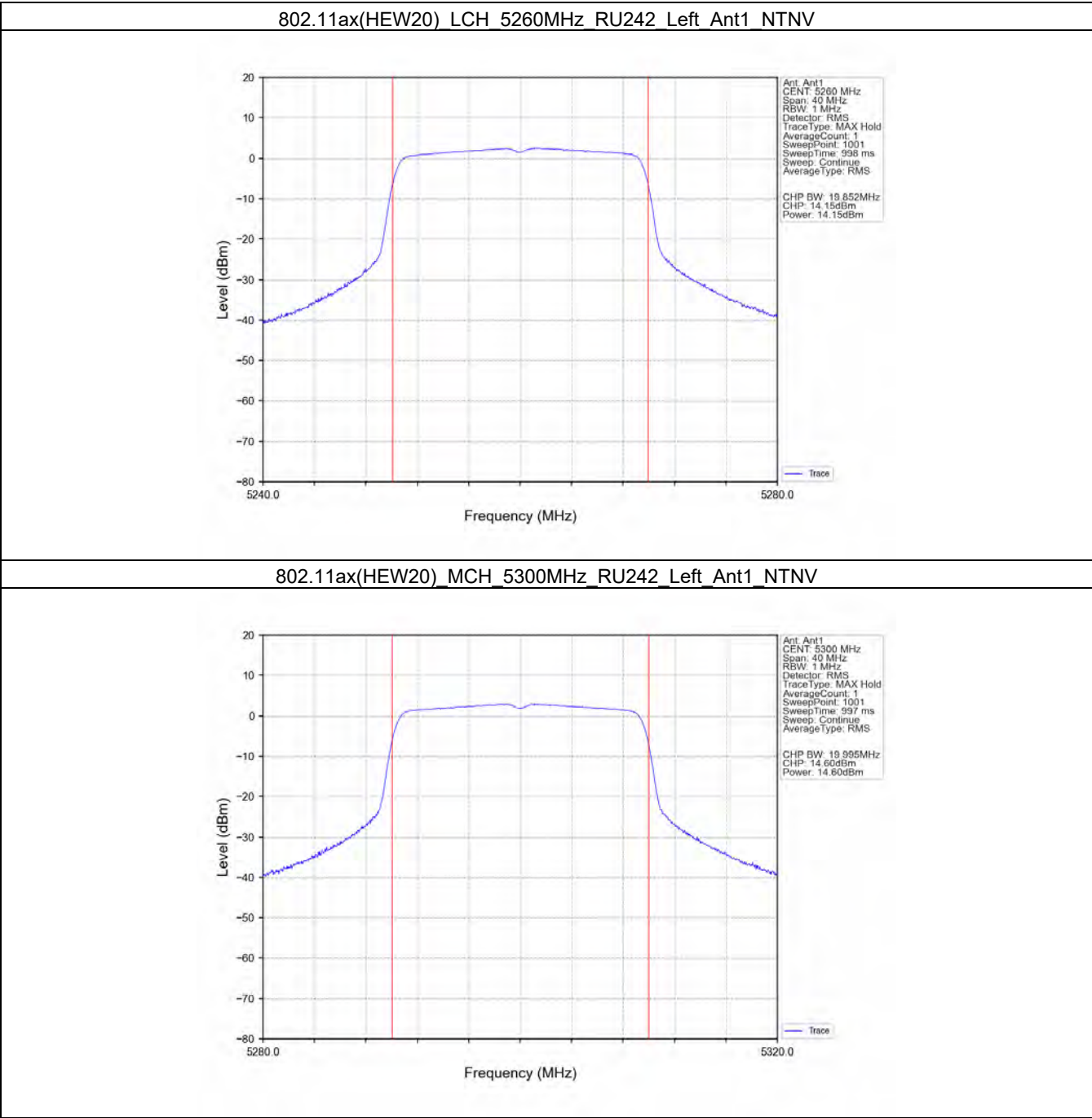


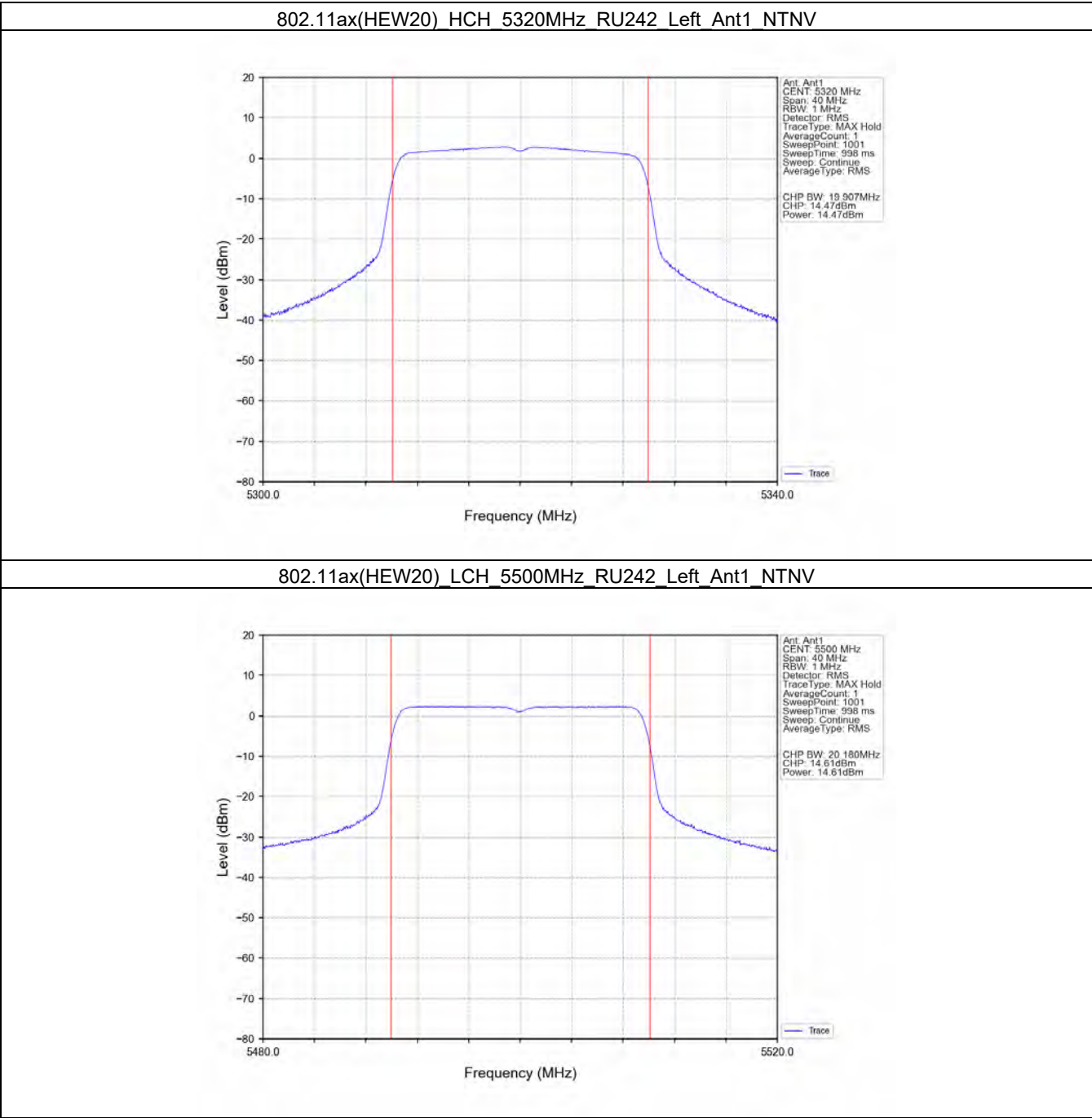
802.11ax(HEW20) MCH 5200MHz RU242 Left Ant1 NTNv



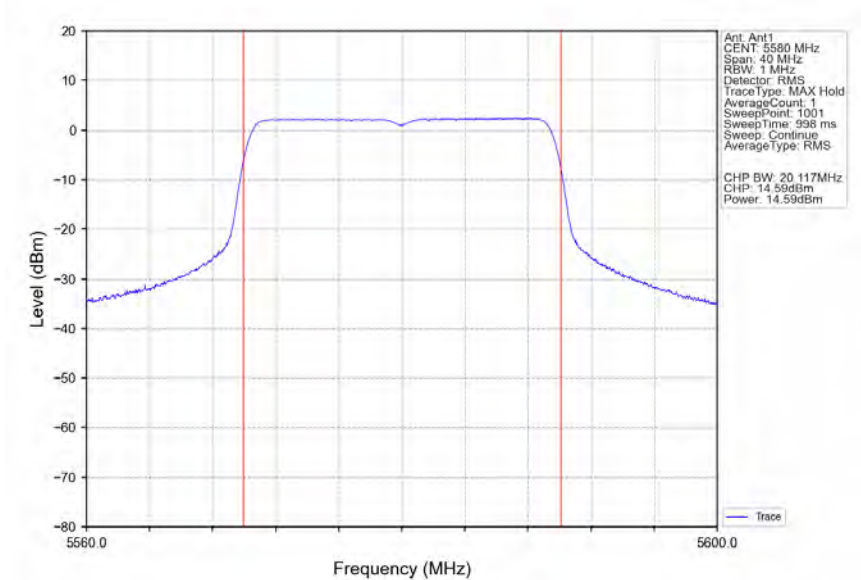
802.11ax(HEW20) HCH 5240MHz RU242 Left Ant1 NTNv



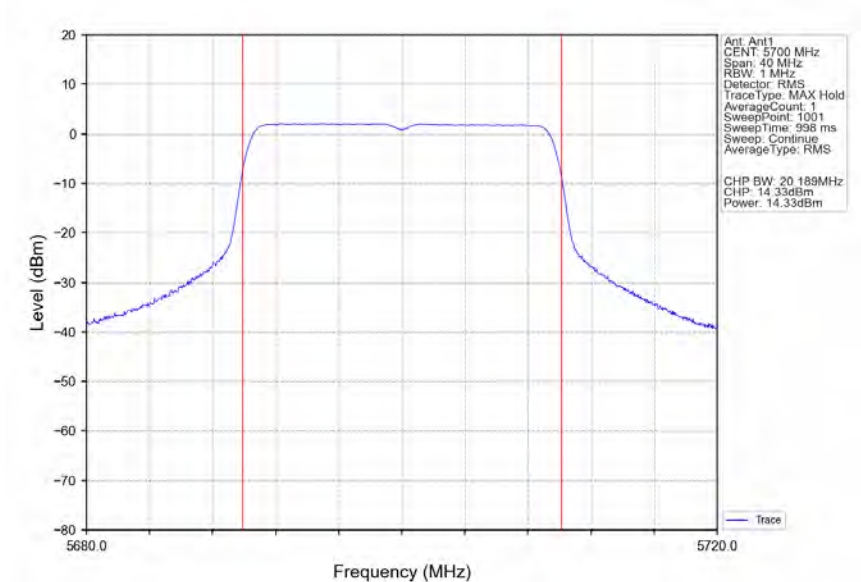


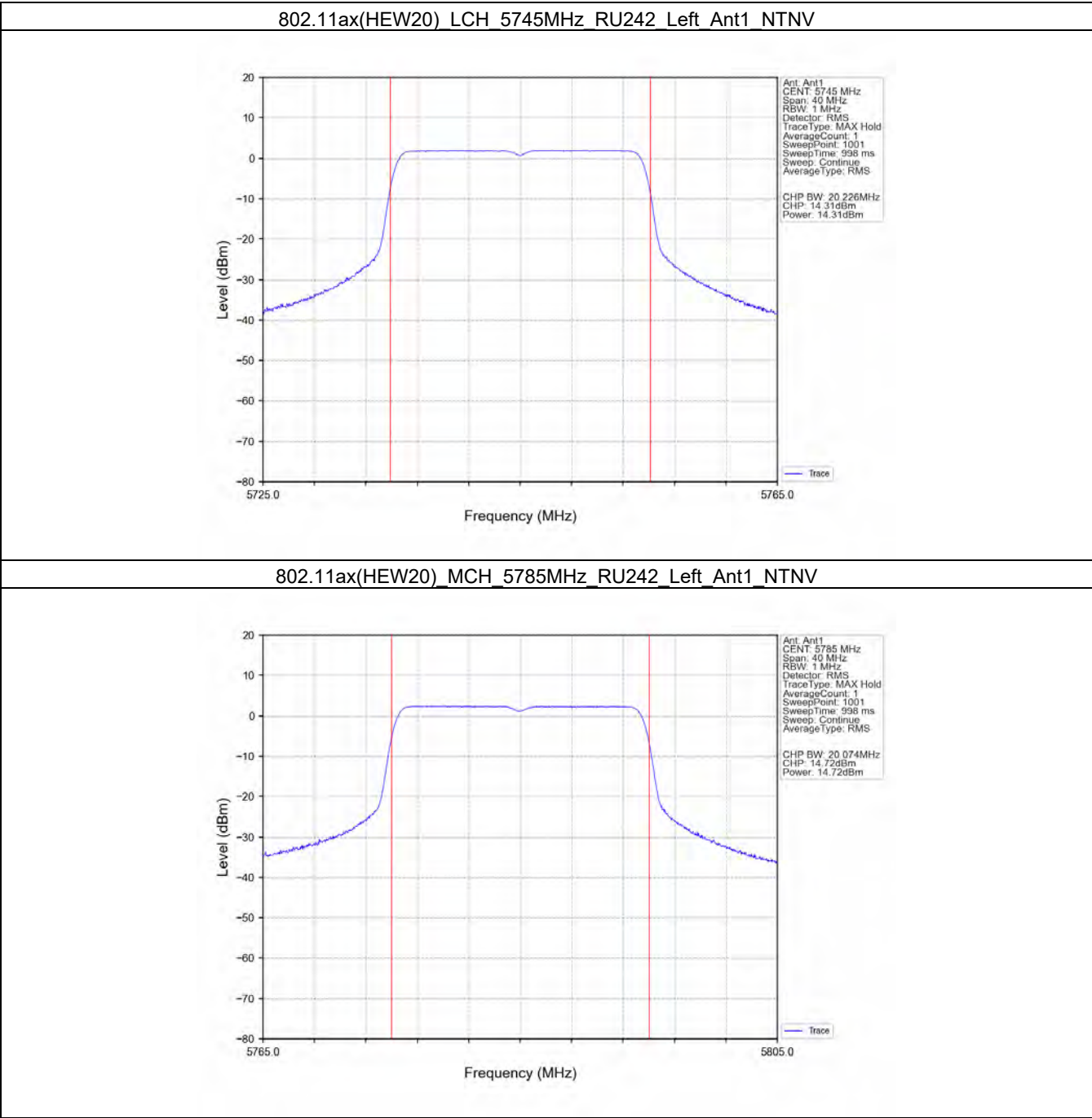


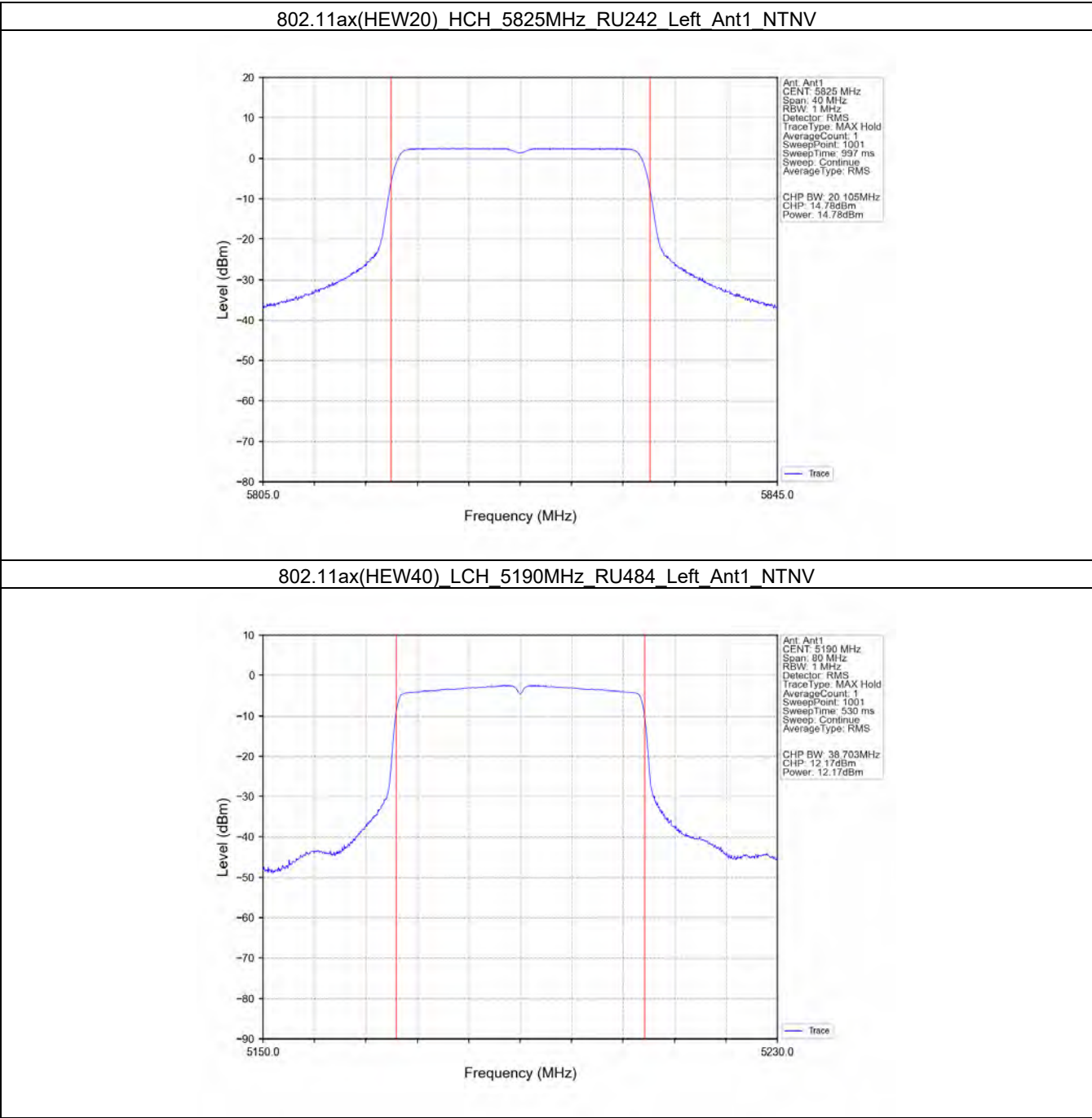
802.11ax(HEW20) MCH 5580MHz RU242 Left Ant1 NTN



802.11ax(HEW20) HCH 5700MHz RU242 Left Ant1 NTN







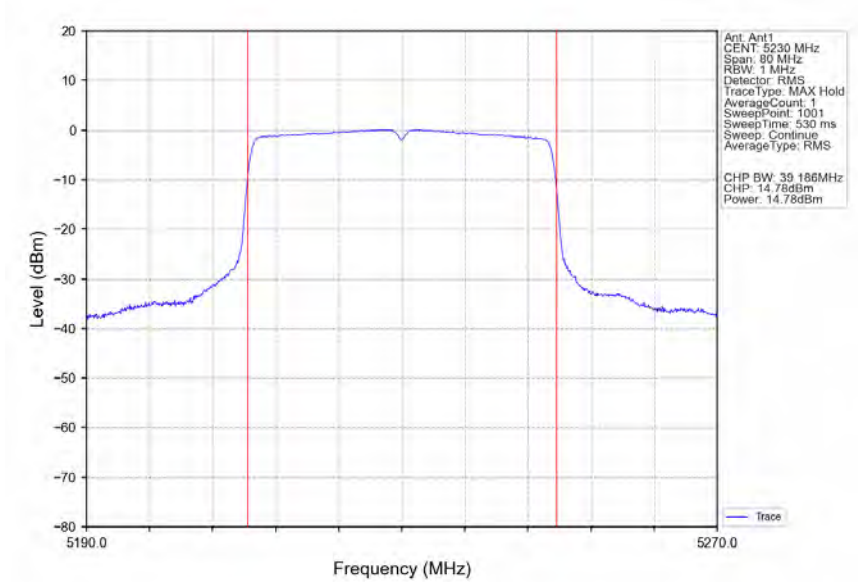
Compliance Certification Services (Kunshan) Inc.

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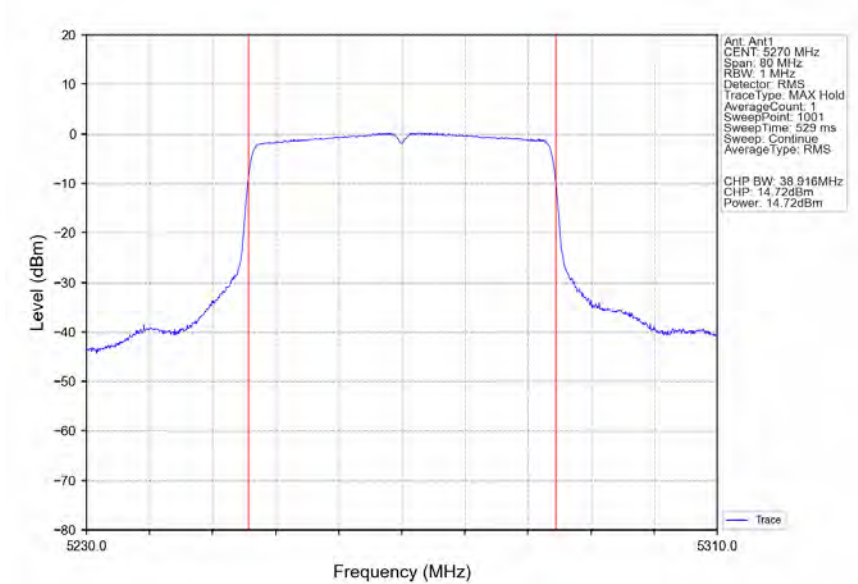
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802.11ax(HEW40) HCH 5230MHz RU484 Left Ant1 NTN



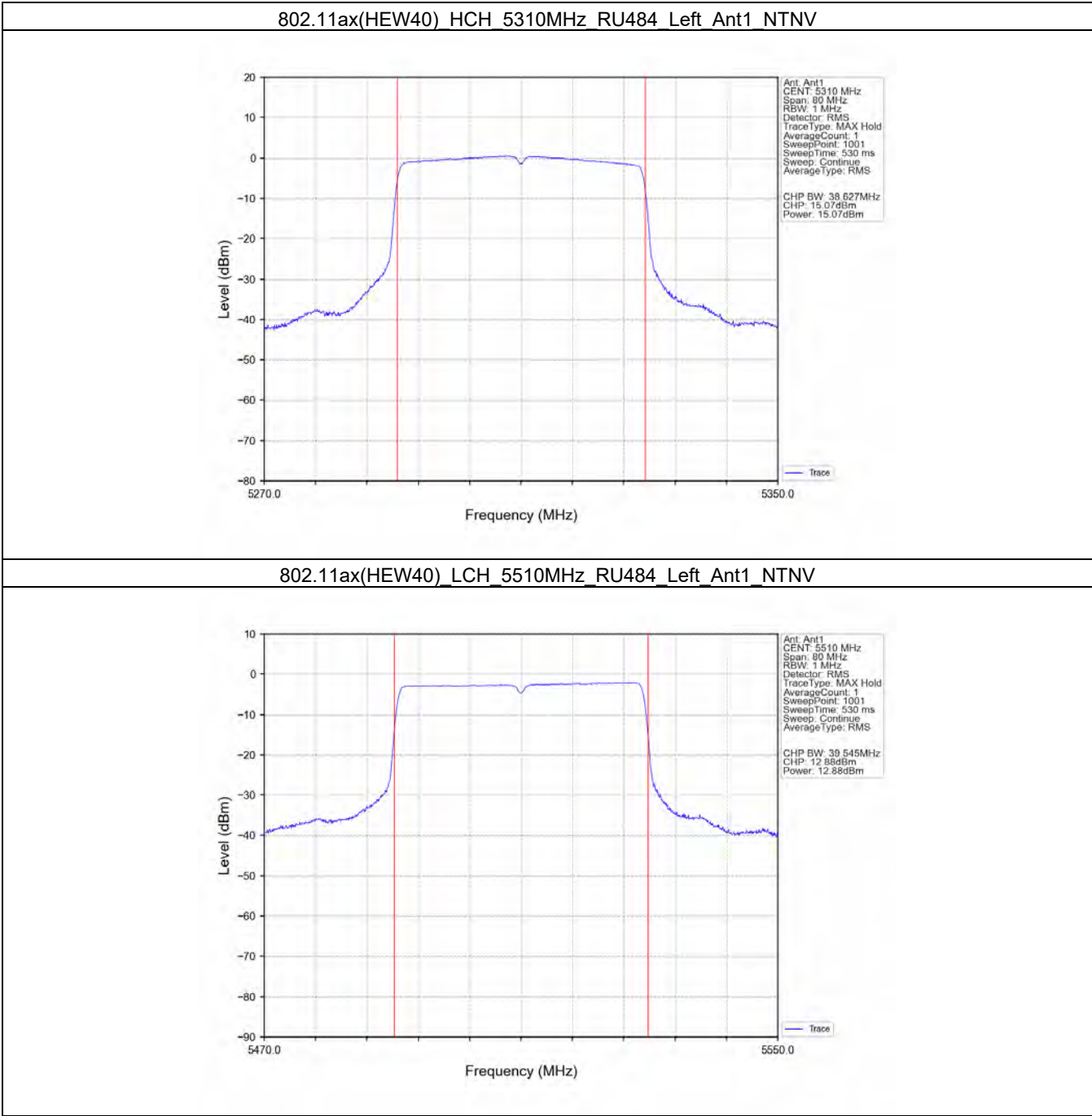
802.11ax(HEW40) LCH 5270MHz RU484 Left Ant1 NTN



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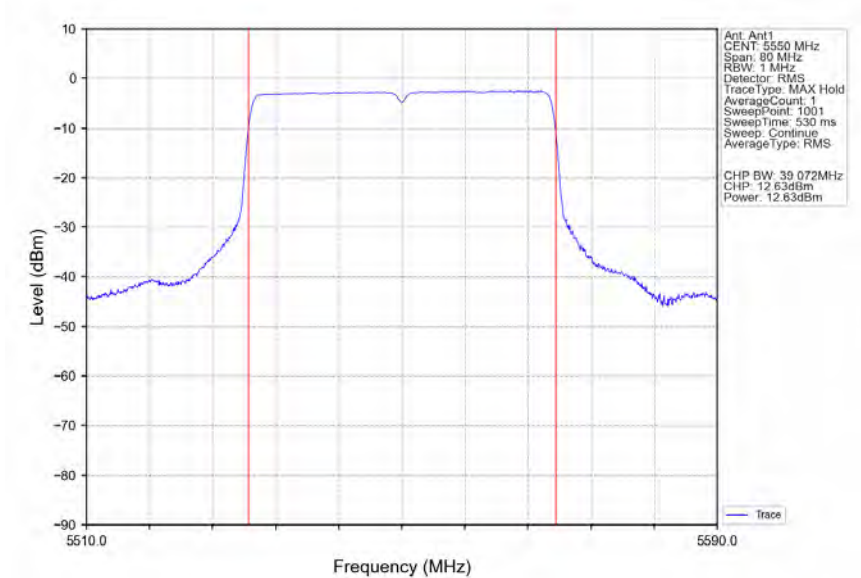
Compliance Certification Services (Kunshan) Inc.

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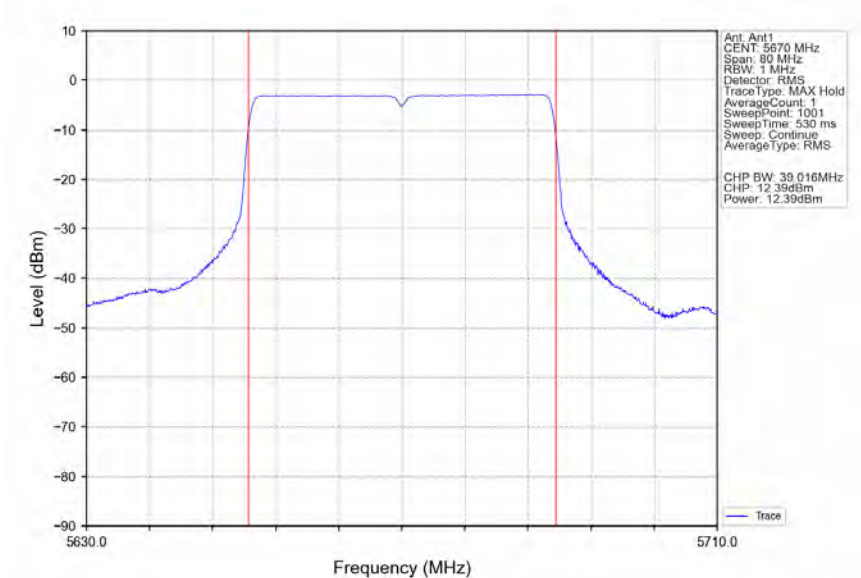
Report No.: KSCR240900172502

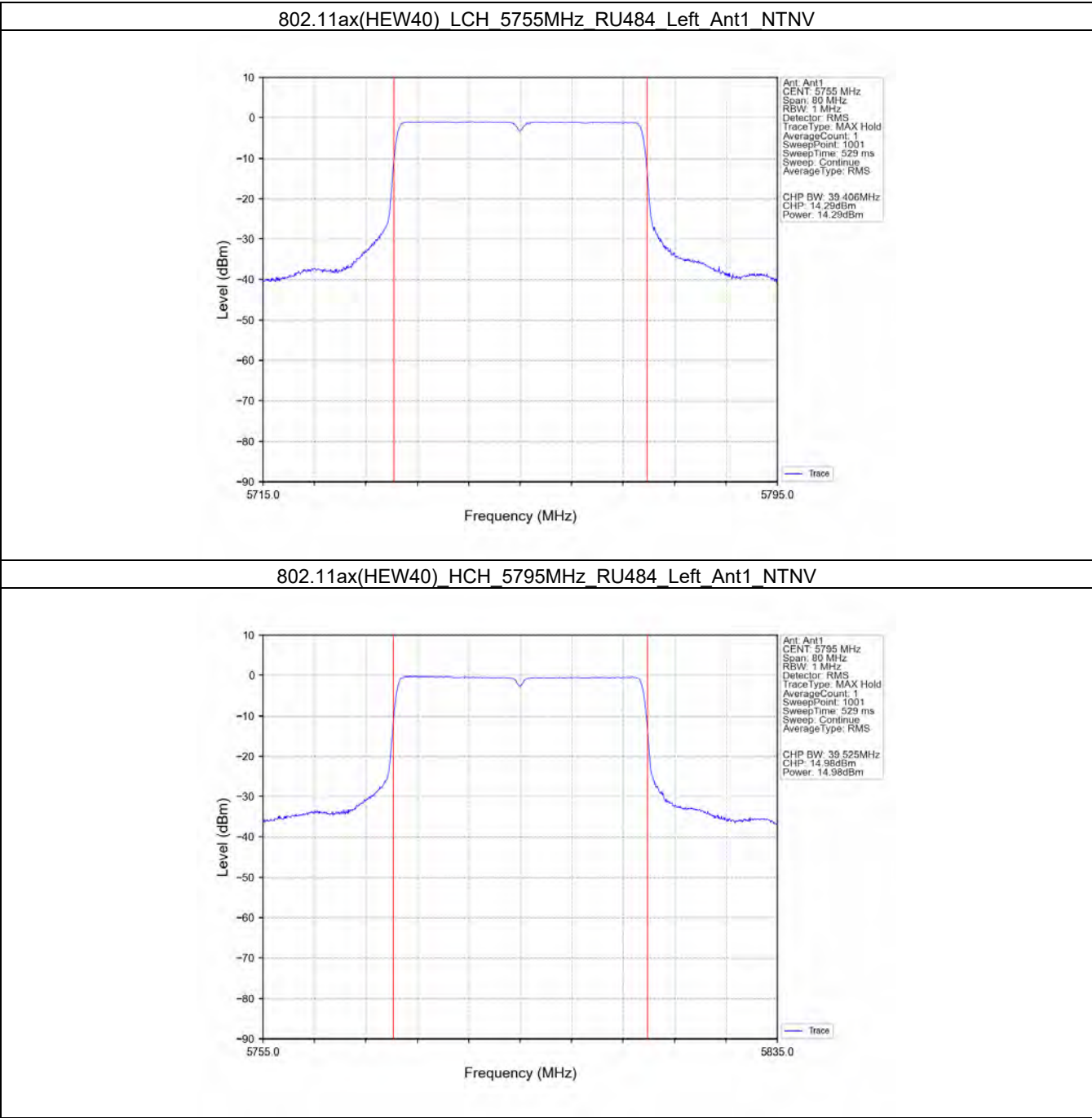
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802.11ax(HEW40) MCH 5550MHz RU484 Left Ant1 NTNv



802.11ax(HEW40) HCH 5670MHz RU484 Left Ant1 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	Limit	
802.11a	SISO	5180	/	/	0.02	<=11	Pass
		5200	/	/	0.96	<=11	Pass
		5240	/	/	1.41	<=11	Pass
		5260	/	/	3.37	<=11	Pass
		5300	/	/	3.65	<=11	Pass
		5320	/	/	3.63	<=11	Pass
		5500	/	/	2.71	<=11	Pass
		5580	/	/	3.39	<=11	Pass
		5700	/	/	3.27	<=11	Pass
802.11ac (VHT20)	SISO	5180	/	/	-0.12	<=11	Pass
		5200	/	/	0.71	<=11	Pass
		5240	/	/	1.21	<=11	Pass
		5260	/	/	2.85	<=11	Pass
		5300	/	/	3.14	<=11	Pass
		5320	/	/	3.05	<=11	Pass
		5500	/	/	2.00	<=11	Pass
		5580	/	/	2.88	<=11	Pass
		5700	/	/	2.30	<=11	Pass
802.11ac (VHT40)	SISO	5190	/	/	-1.11	<=11	Pass
		5230	/	/	-1.50	<=11	Pass
		5270	/	/	-0.16	<=11	Pass
		5310	/	/	0.19	<=11	Pass
		5510	/	/	-0.79	<=11	Pass
		5550	/	/	-1.29	<=11	Pass
		5670	/	/	-1.57	<=11	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	-0.52	<=11	Pass
		5200	RU242	Left	0.37	<=11	Pass
		5240	RU242	Left	1.72	<=11	Pass
		5260	RU242	Left	2.55	<=11	Pass
		5300	RU242	Left	2.94	<=11	Pass
		5320	RU242	Left	2.83	<=11	Pass
		5500	RU242	Left	2.30	<=11	Pass
		5580	RU242	Left	2.33	<=11	Pass
802.11ax (HEW40)	SISO	5700	RU242	Left	2.08	<=11	Pass
		5190	RU484	Left	-2.41	<=11	Pass
		5230	RU484	Left	0.24	<=11	Pass
		5270	RU484	Left	0.26	<=11	Pass
		5310	RU484	Left	0.63	<=11	Pass
		5510	RU484	Left	-2.07	<=11	Pass
		5550	RU484	Left	-2.52	<=11	Pass
		5670	RU484	Left	-2.82	<=11	Pass

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Note1: Antenna Gain: Ant1: 0.80dBi;

4.1.2 PSD-Band3

Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum PSD (dBm/500kHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5745	/	/	-0.21	<=30	Pass
		5785	/	/	0.03	<=30	Pass
		5825	/	/	0.10	<=30	Pass
802.11ac (VHT20)	SISO	5745	/	/	-0.51	<=30	Pass
		5785	/	/	-0.23	<=30	Pass
		5825	/	/	-0.18	<=30	Pass
802.11ac (VHT40)	SISO	5755	/	/	-3.78	<=30	Pass
		5795	/	/	-3.10	<=30	Pass
802.11ax (HEW20)	SISO	5745	RU242	Left	-0.92	<=30	Pass
		5785	RU242	Left	-0.44	<=30	Pass
		5825	RU242	Left	-0.38	<=30	Pass
802.11ax (HEW40)	SISO	5755	RU484	Left	-3.75	<=30	Pass
		5795	RU484	Left	-3.00	<=30	Pass

Note1: Antenna Gain: Ant1: 0.80dBi;

4.1.3 E.I.R.PSD

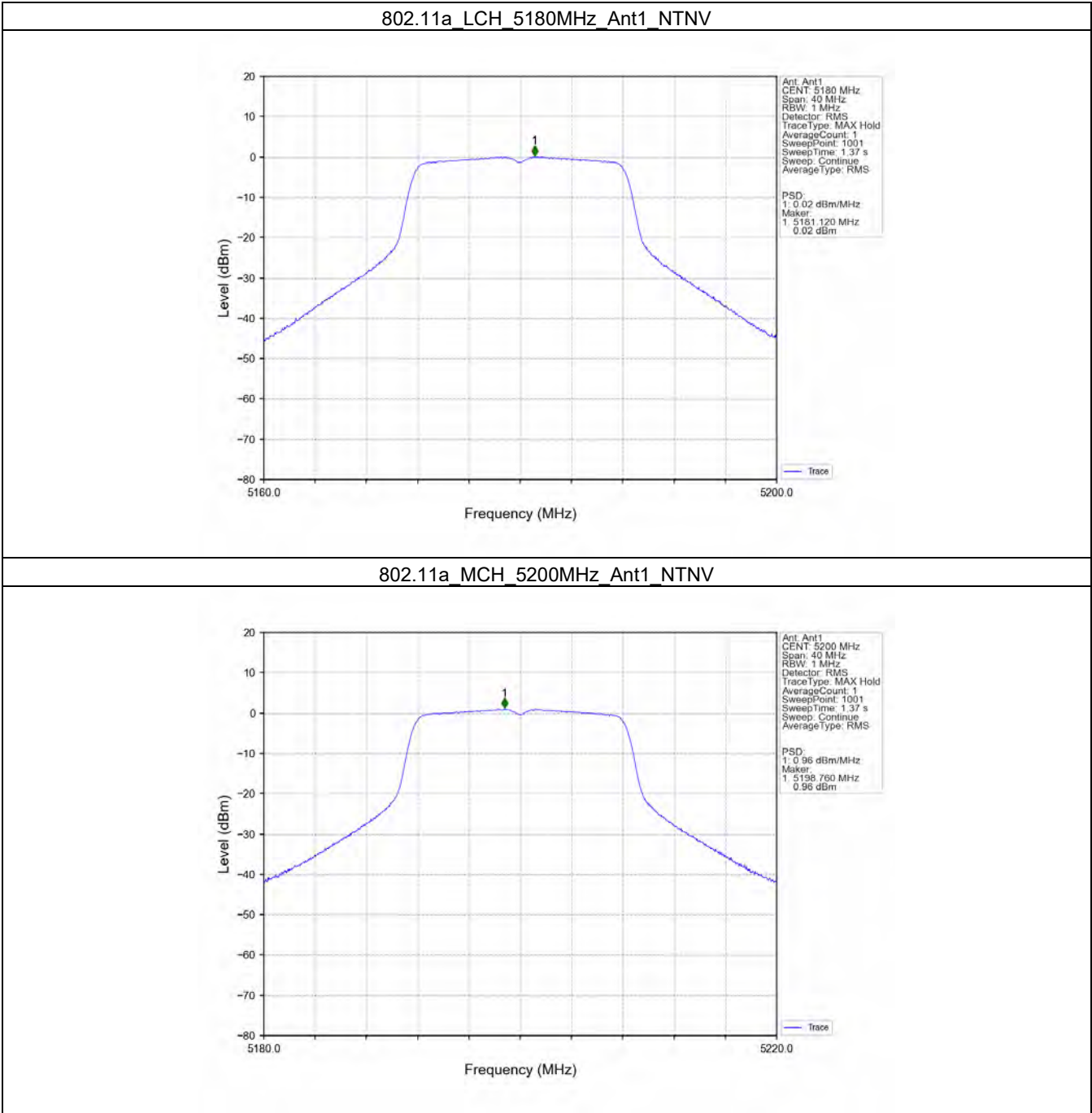
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Maximum E.I.R.PSD (dBm/MHz)		Verdict
					ANT1	Limit	
802.11a	SISO	5180	/	/	0.82	<=10	Pass
		5200	/	/	1.76	<=10	Pass
		5240	/	/	2.21	<=10	Pass
802.11ac (VHT20)	SISO	5180	/	/	0.68	<=10	Pass
		5200	/	/	1.51	<=10	Pass
		5240	/	/	2.01	<=10	Pass
802.11ac (VHT40)	SISO	5190	/	/	-0.31	<=10	Pass
		5230	/	/	-0.70	<=10	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	0.28	<=10	Pass
		5200	RU242	Left	1.17	<=10	Pass
		5240	RU242	Left	2.52	<=10	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	-1.61	<=10	Pass
		5230	RU484	Left	1.04	<=10	Pass

Note1: Antenna Gain: Ant1: 0.80dBi;

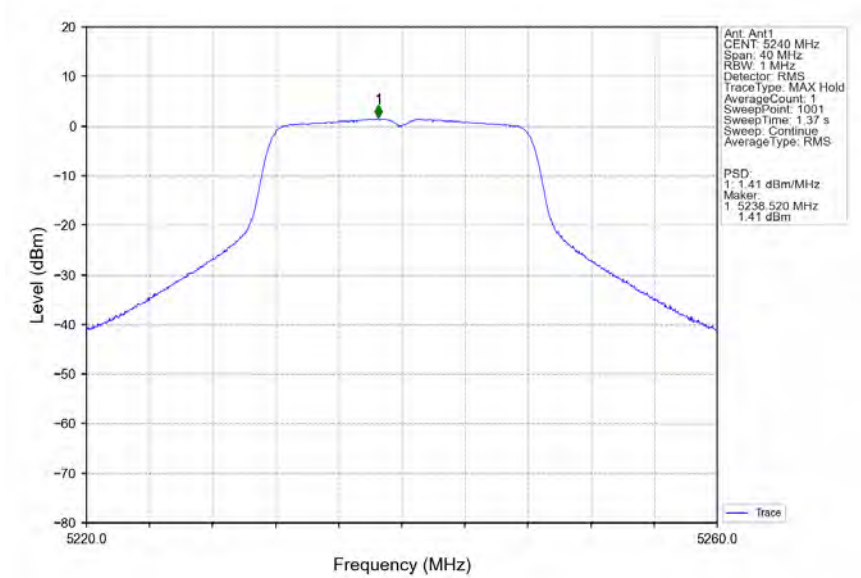
Note2: E.I.R.PSD = Measured PSD + Antenna Gain

4.2 Test Graph

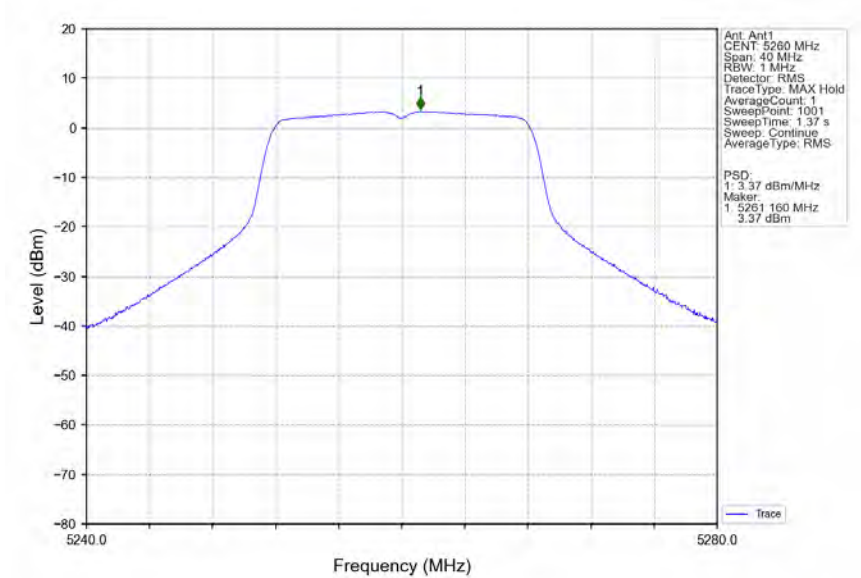
4.2.1 PSD



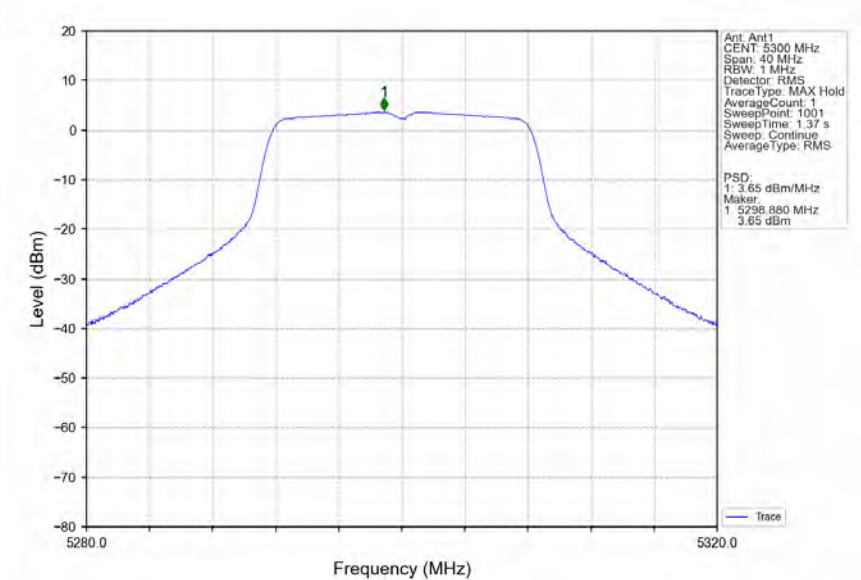
802.11a HCH 5240MHz Ant1 NTN



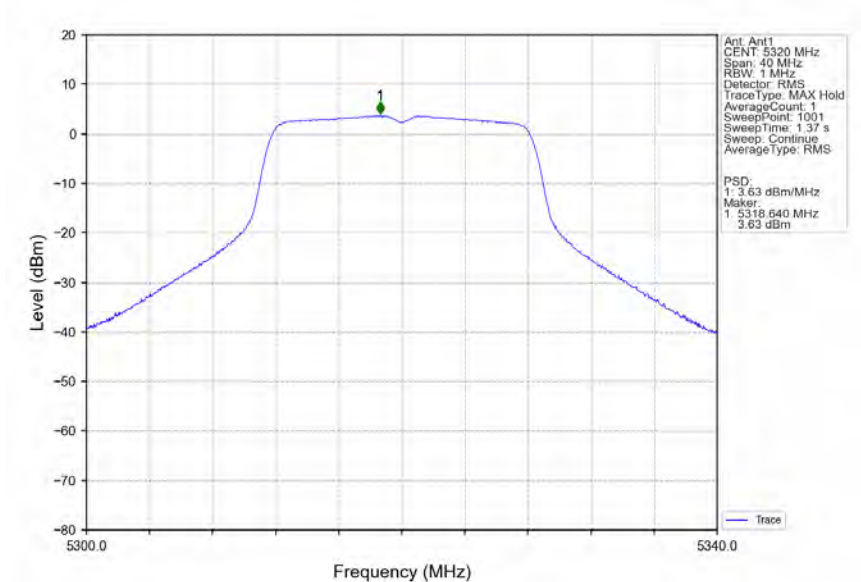
802.11a LCH 5260MHz Ant1 NTN



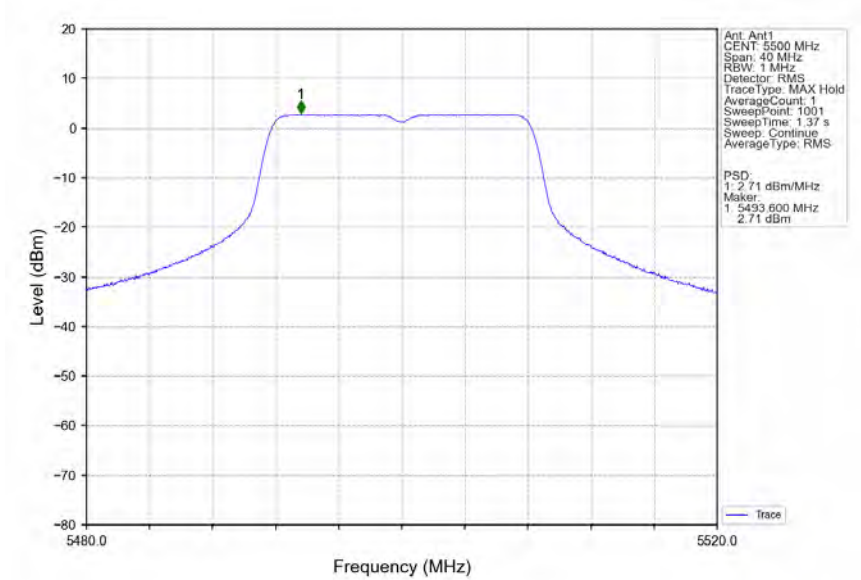
802.11a MCH 5300MHz Ant1 NTNV



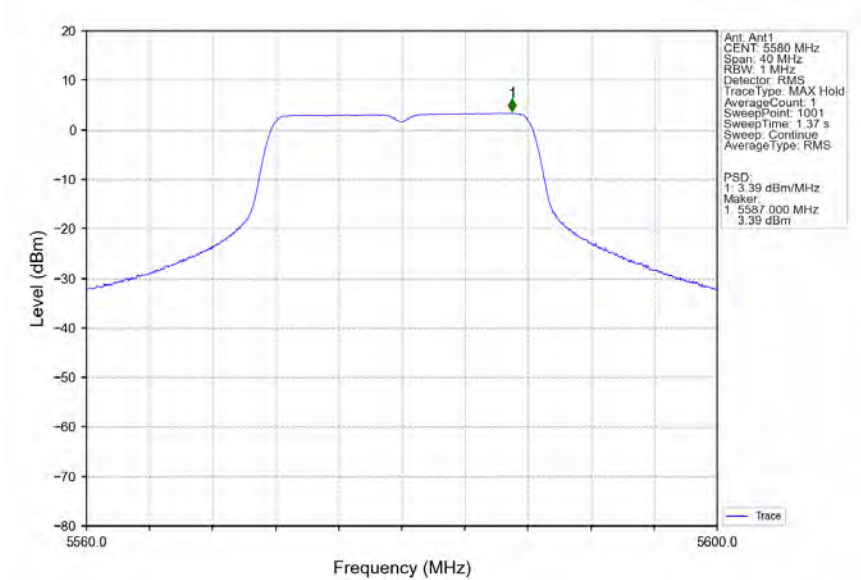
802.11a HCH 5320MHz Ant1 NTNV



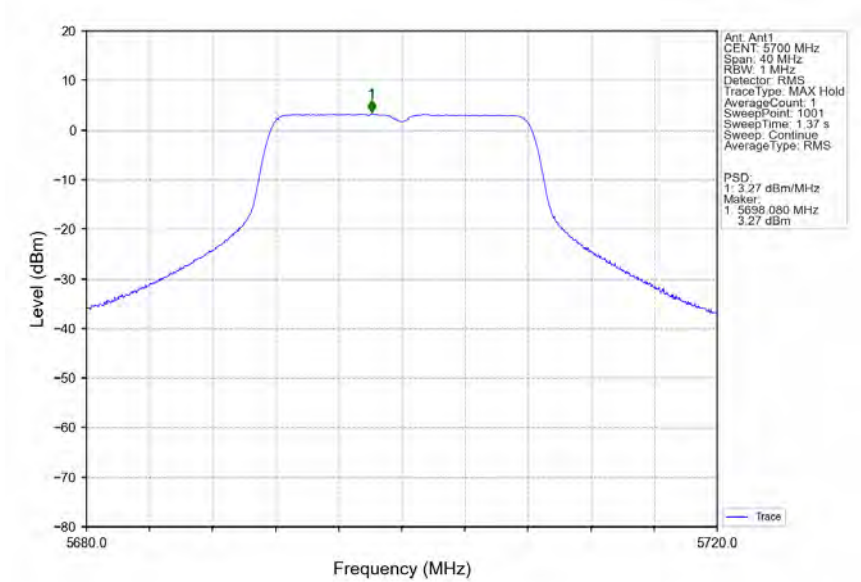
802.11a LCH 5500MHz Ant1 NTVN



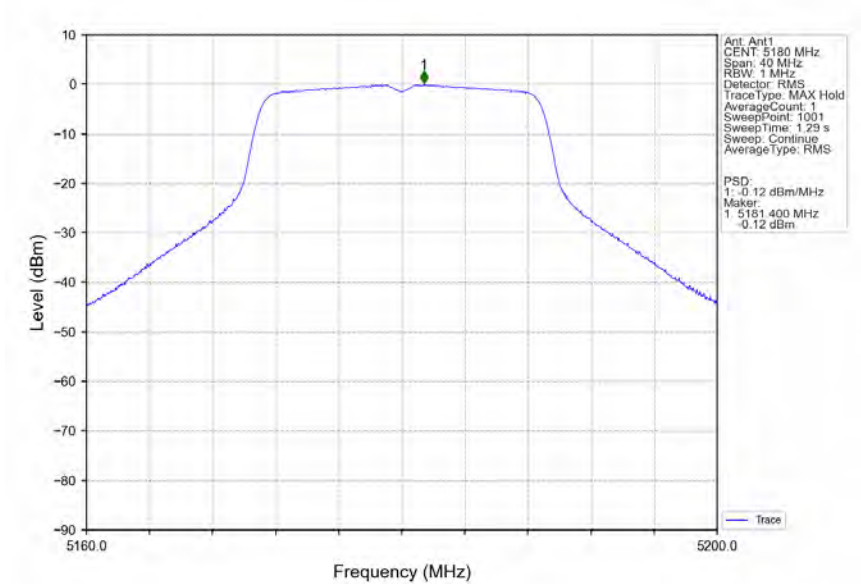
802.11a MCH 5580MHz Ant1 NTVN



802.11a HCH 5700MHz Ant1 NTNV



802.11ac(VHT20) LCH 5180MHz Ant1 NTNV



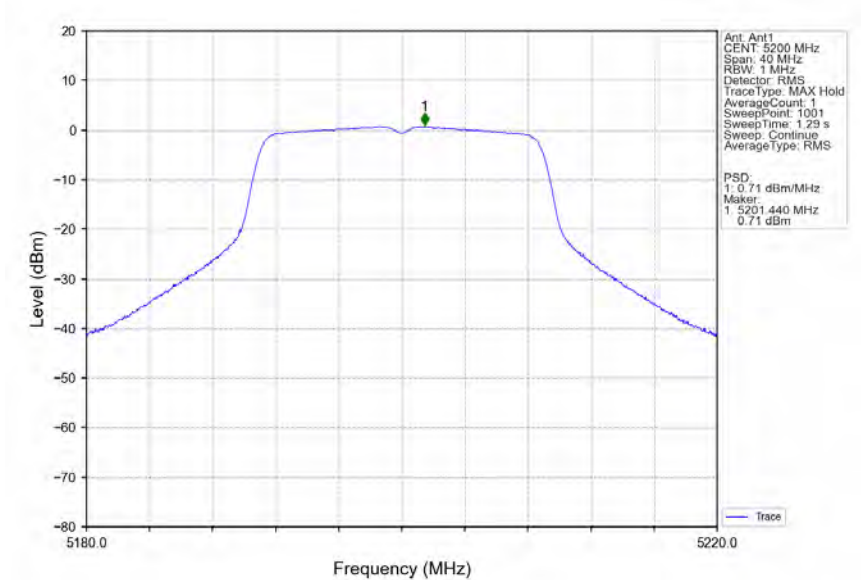
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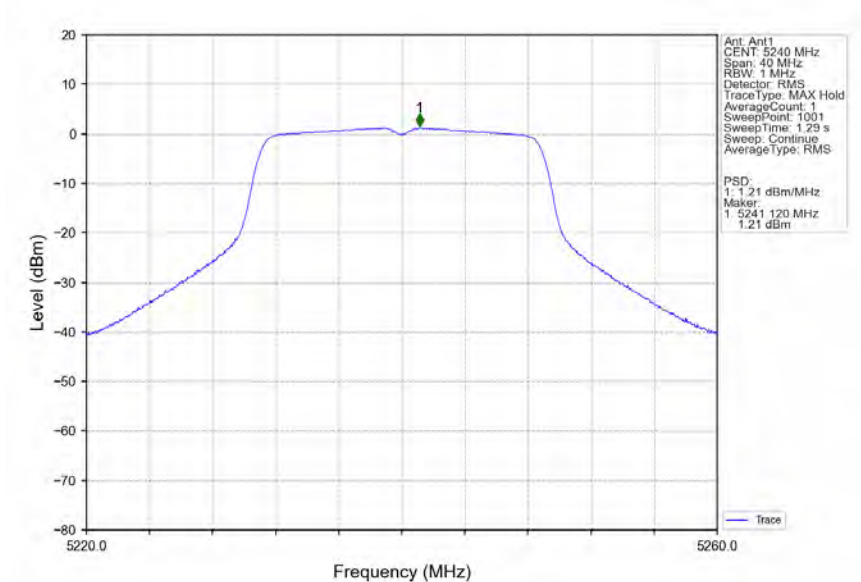
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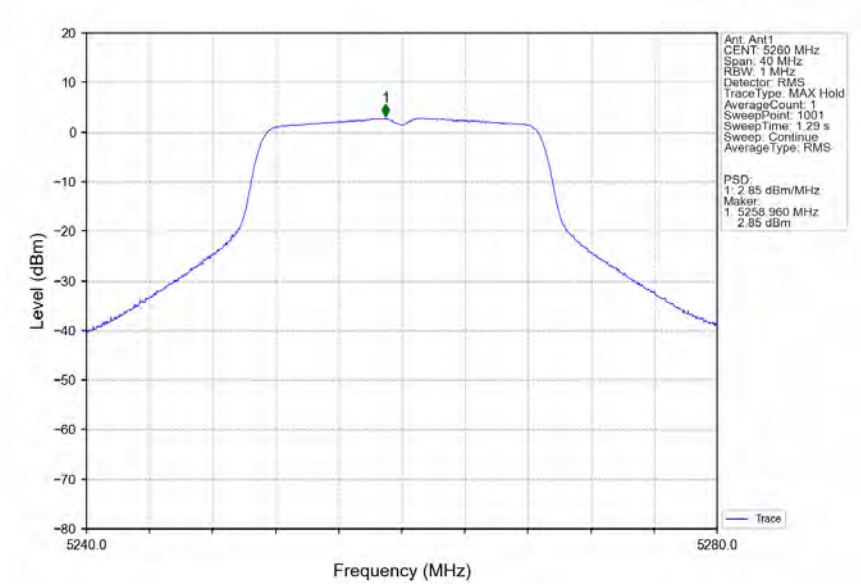
802.11ac(VHT20) MCH_5200MHz_Ant1_NTNV



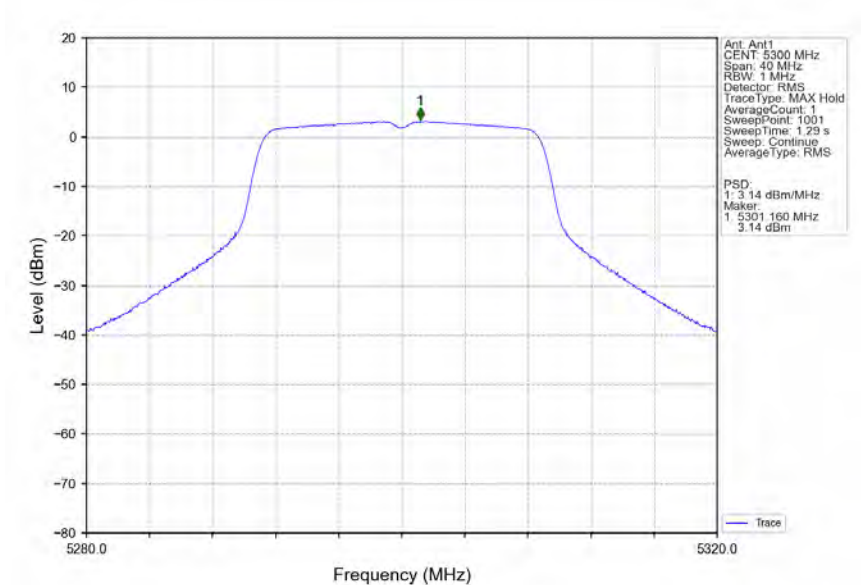
802.11ac(VHT20) HCH_5240MHz_Ant1_NTNV



802.11ac(VHT20) LCH 5260MHz Ant1 NTN



802.11ac(VHT20) MCH 5300MHz Ant1 NTN



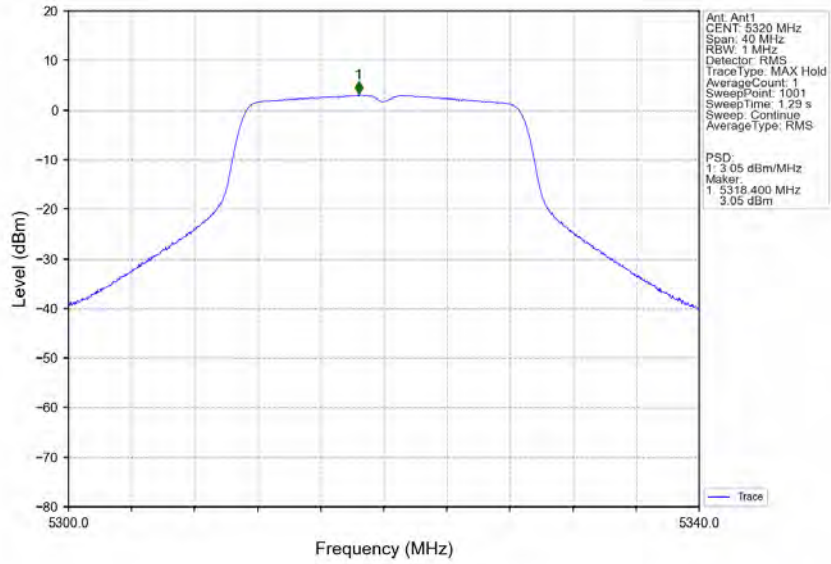
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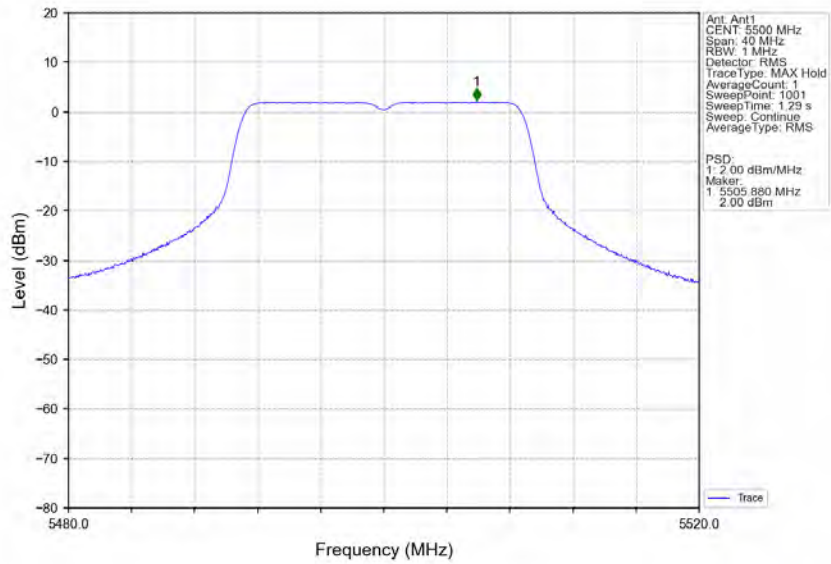
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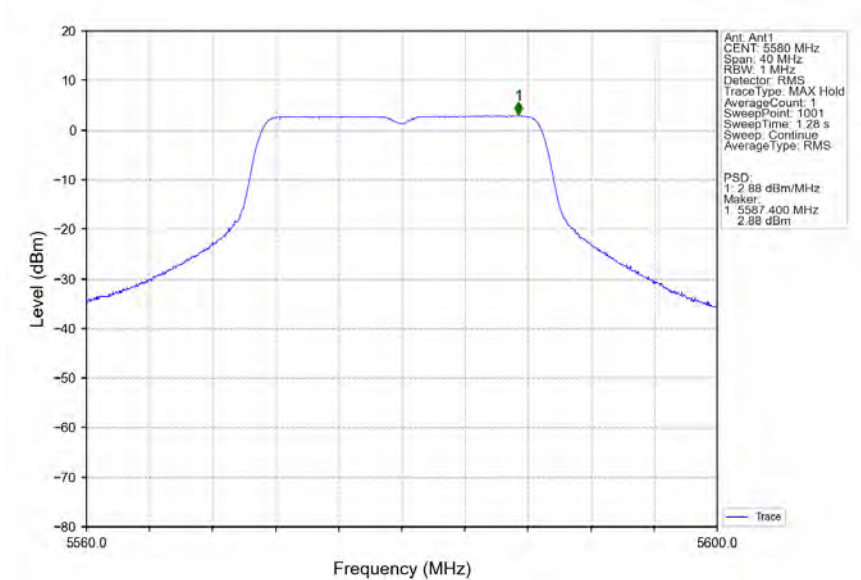
802.11ac(VHT20) HCH 5320MHz Ant1 NTN



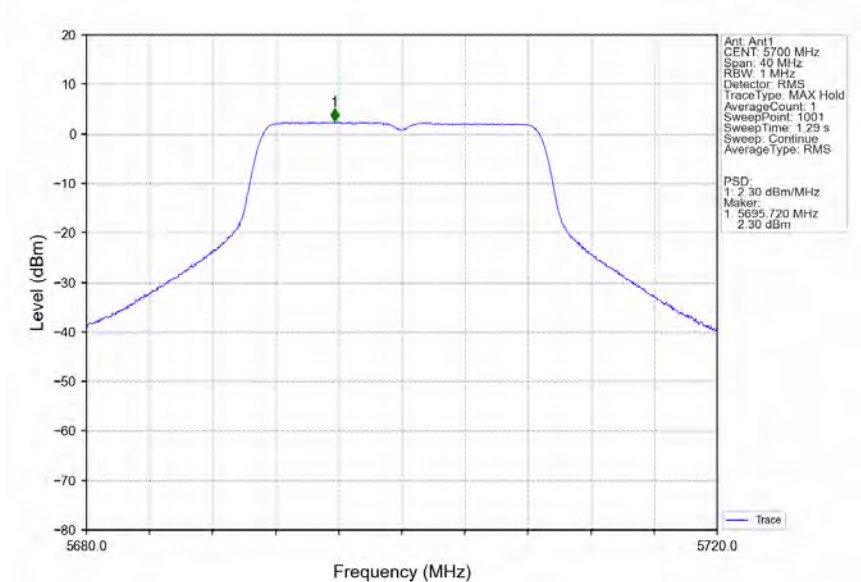
802.11ac(VHT20) LCH 5500MHz Ant1 NTN



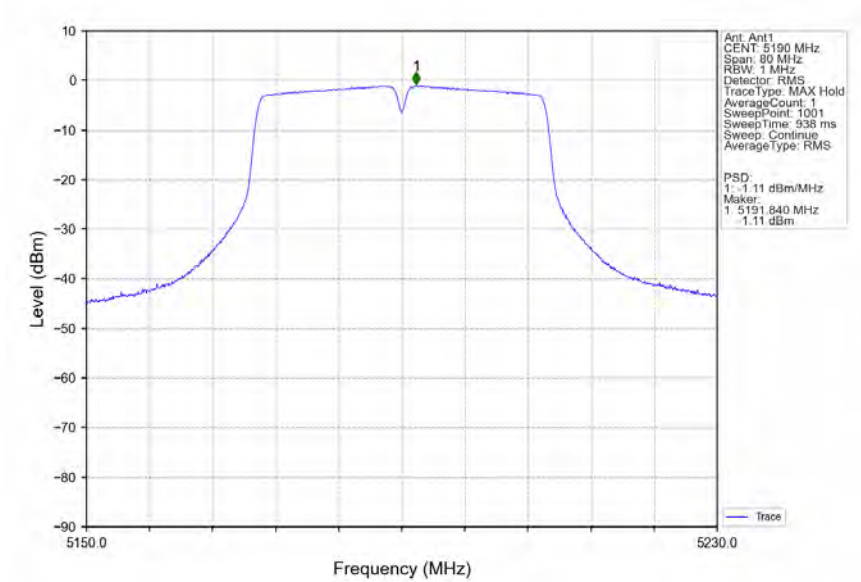
802.11ac(VHT20) MCH_5580MHz_Ant1_NTNV



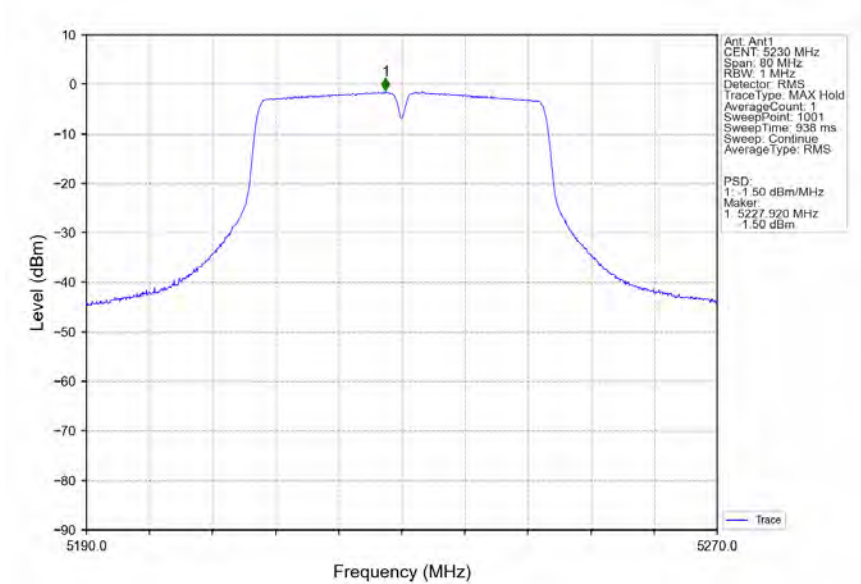
802.11ac(VHT20) HCH_5700MHz_Ant1_NTNV



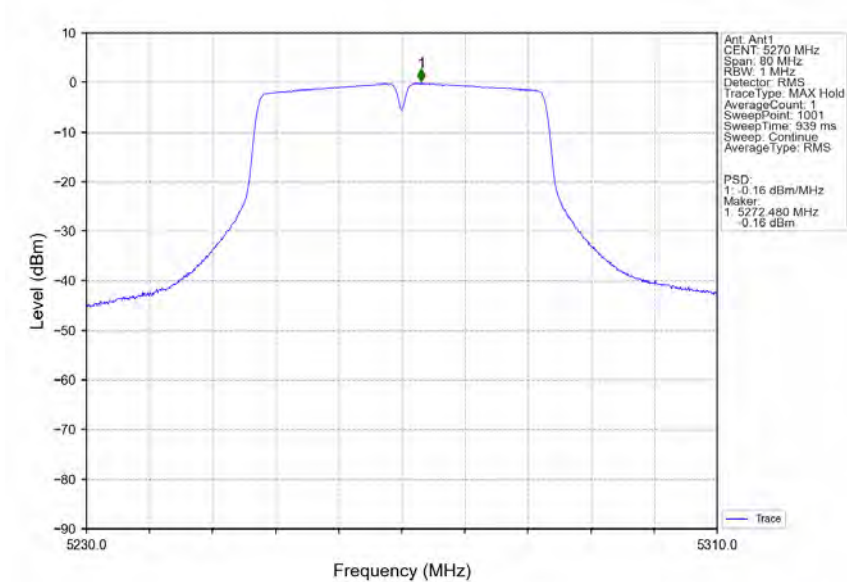
802.11ac(VHT40) LCH 5190MHz Ant1 NTN



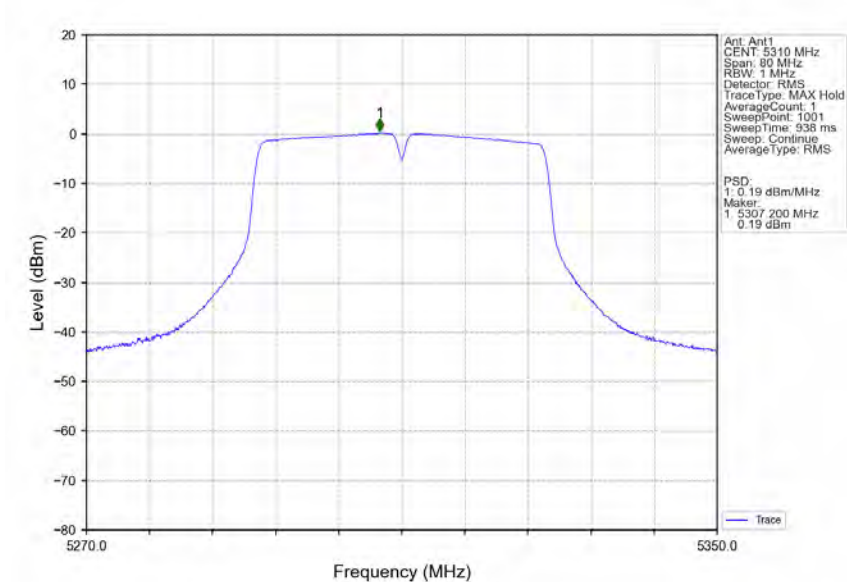
802.11ac(VHT40) HCH 5230MHz Ant1 NTN



802.11ac(VHT40) LCH 5270MHz Ant1 NTN



802.11ac(VHT40) HCH 5310MHz Ant1 NTN



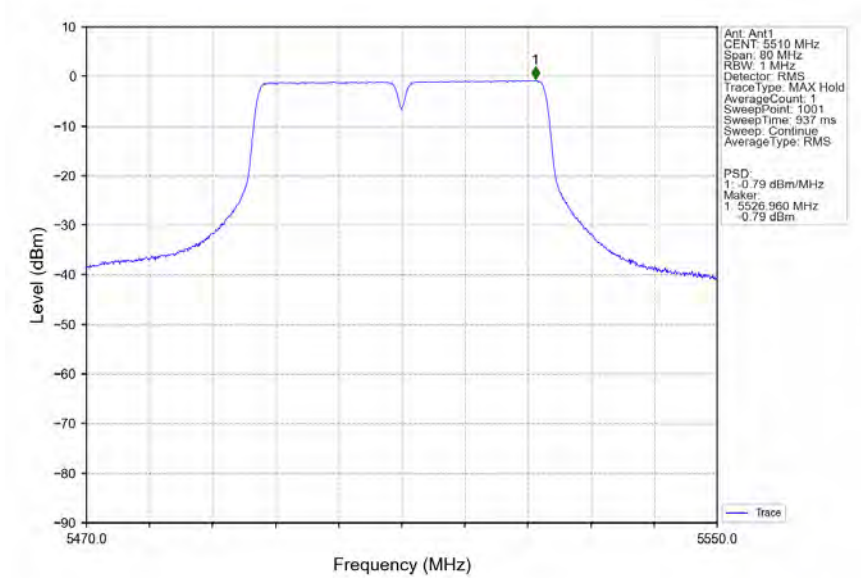
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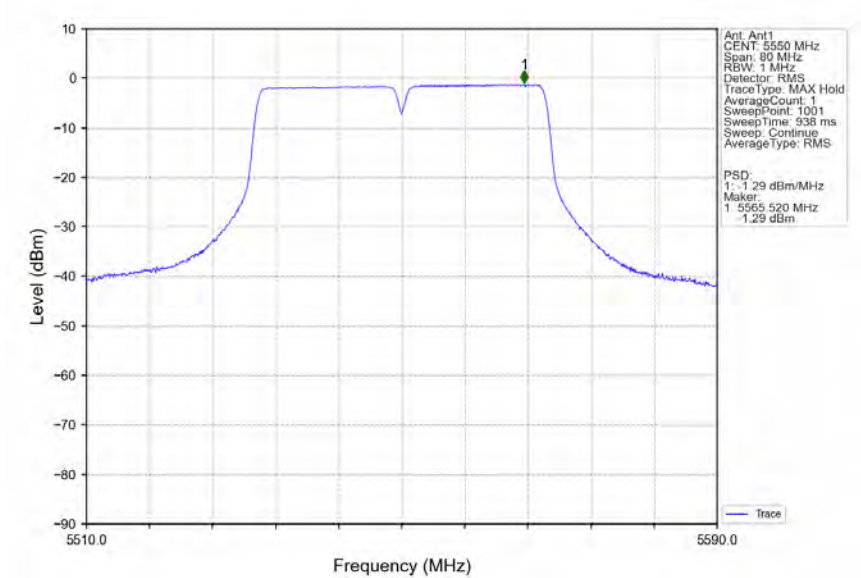
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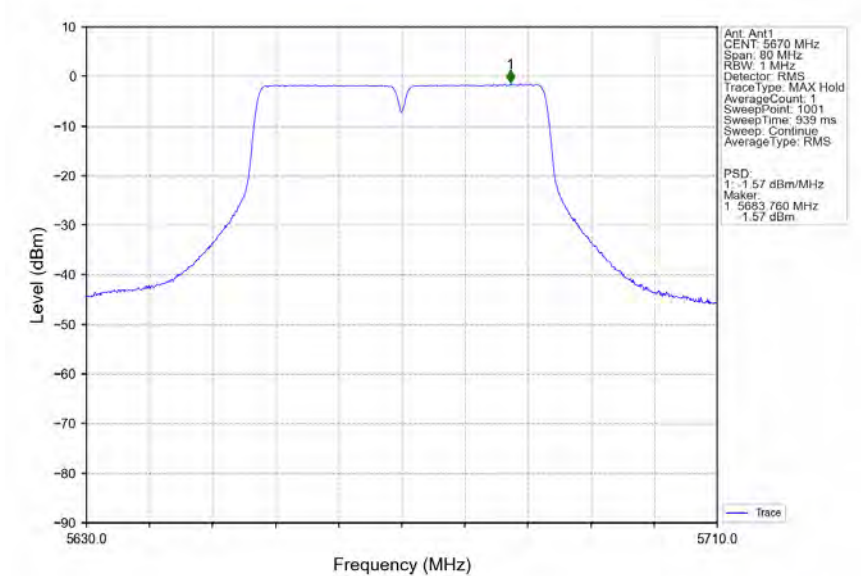
802.11ac(VHT40) LCH 5510MHz Ant1 NTN



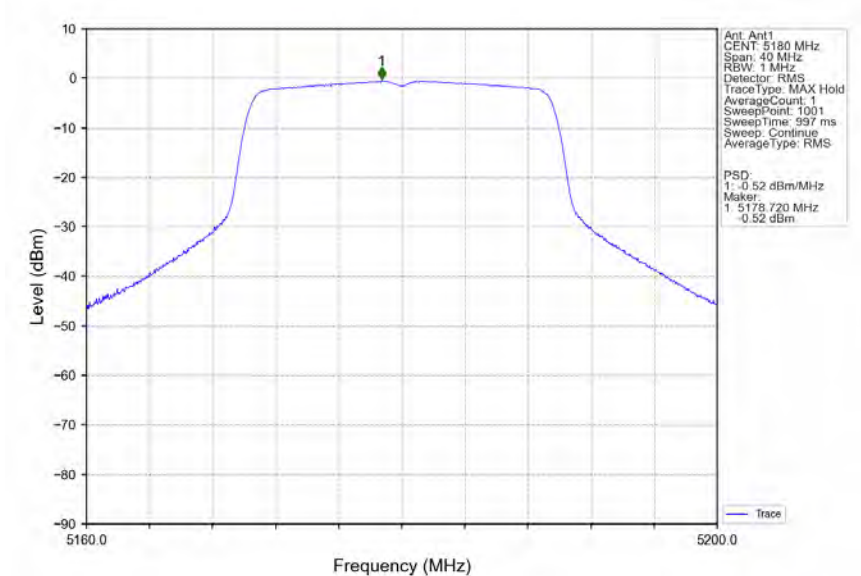
802.11ac(VHT40) MCH 5550MHz Ant1 NTN



802.11ac(VHT40) HCH 5670MHz Ant1 NTN



802.11ax(HEW20) LCH 5180MHz RU242 Left Ant1 NTN



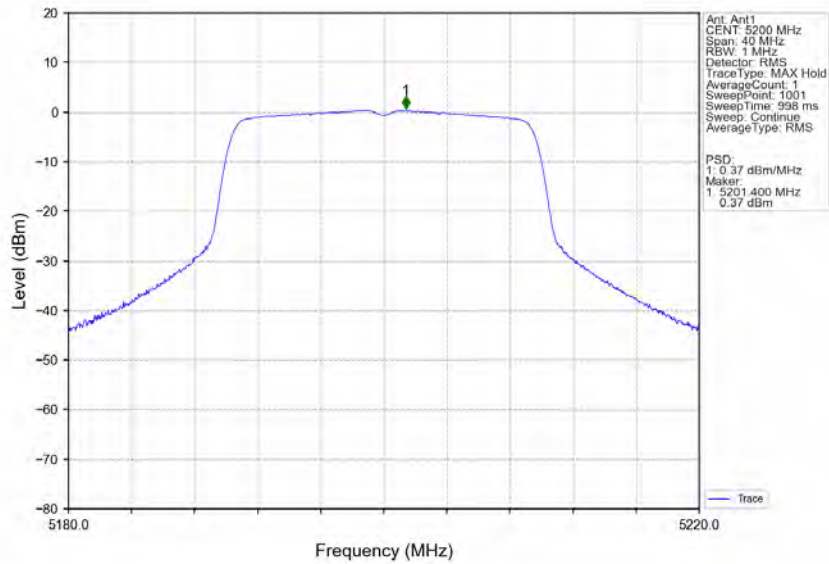
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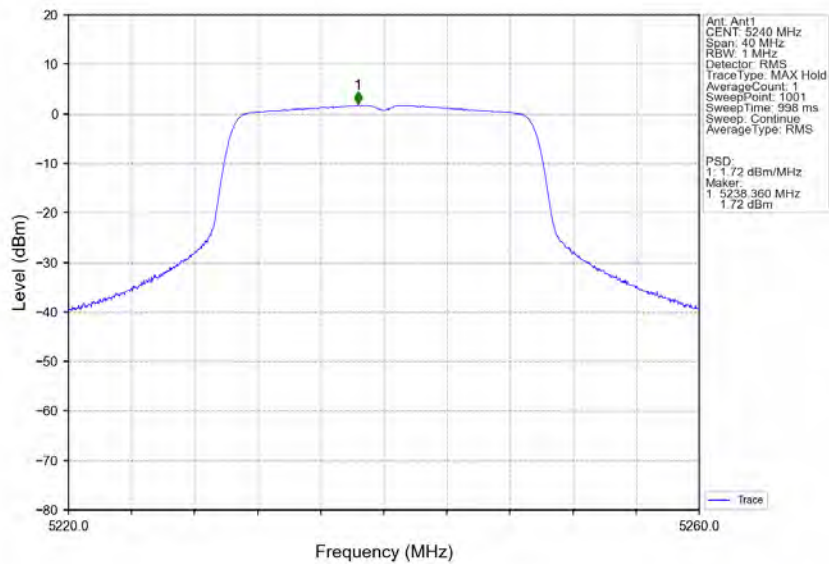
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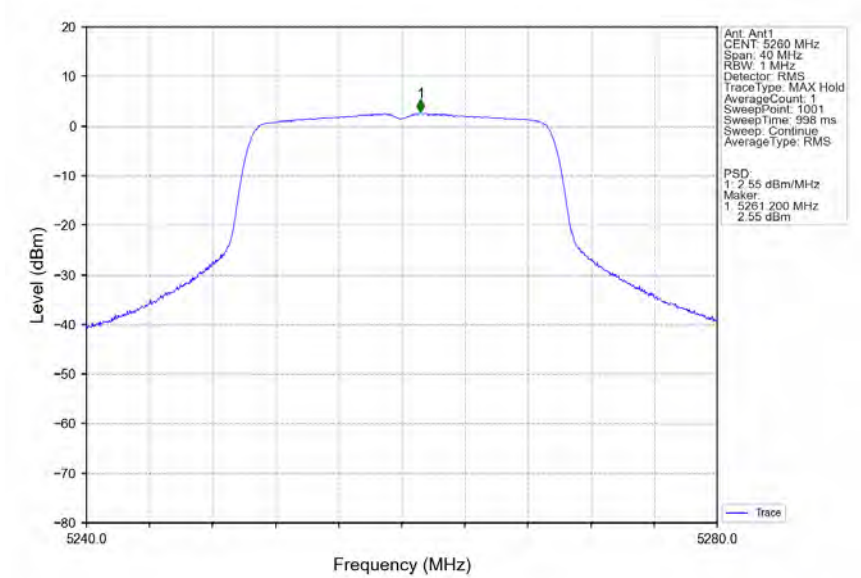
802.11ax(HEW20) MCH 5200MHz RU242 Left Ant1 NTNv



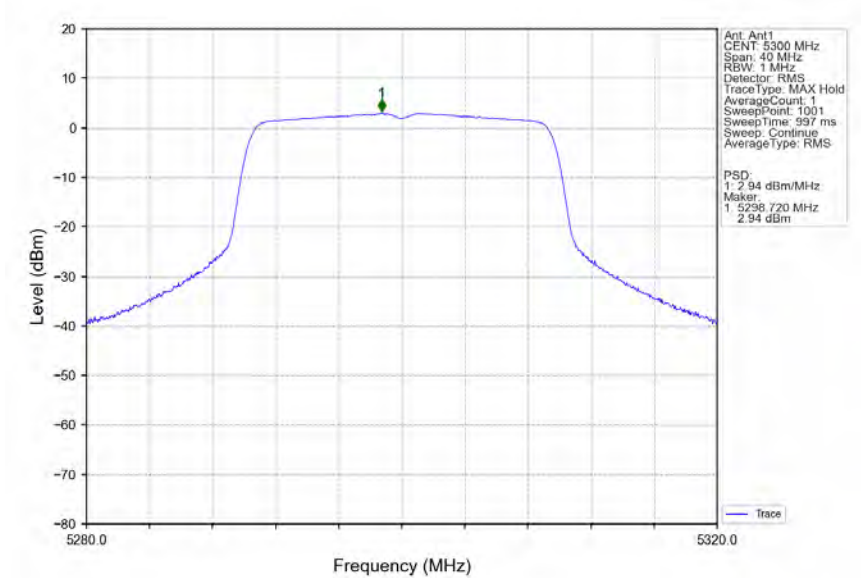
802.11ax(HEW20) HCH 5240MHz RU242 Left Ant1 NTNv



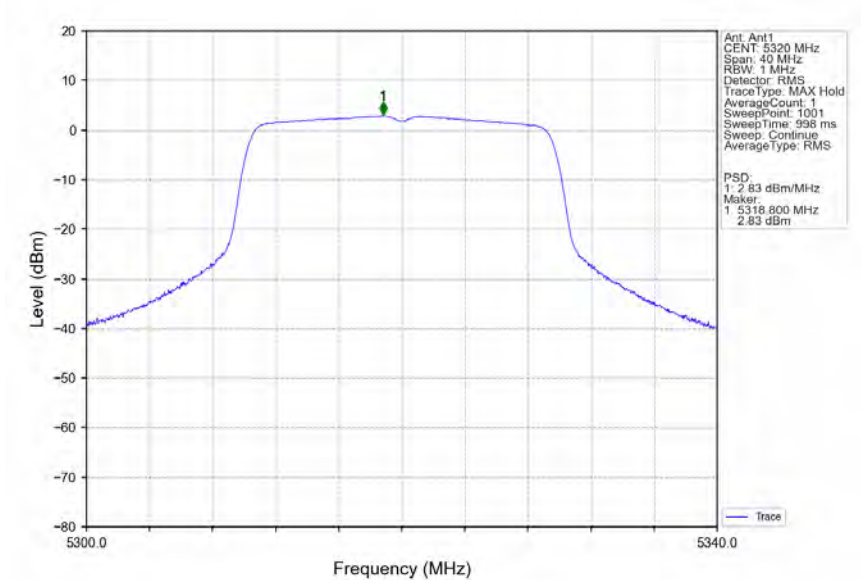
802.11ax(HEW20) LCH 5260MHz RU242 Left Ant1 NTNW



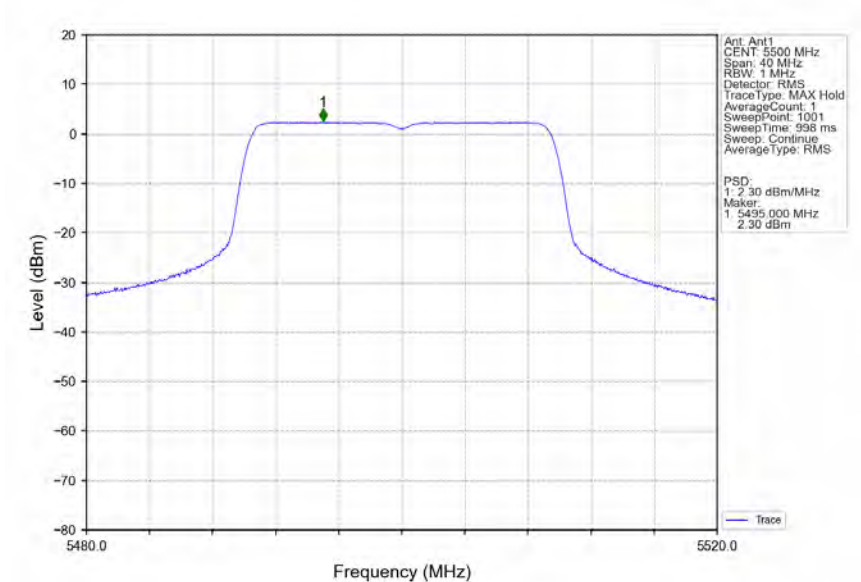
802.11ax(HEW20) MCH 5300MHz RU242 Left Ant1 NTNW



802.11ax(HEW20) HCH 5320MHz RU242 Left Ant1 NTN



802.11ax(HEW20) LCH 5500MHz RU242 Left Ant1 NTN



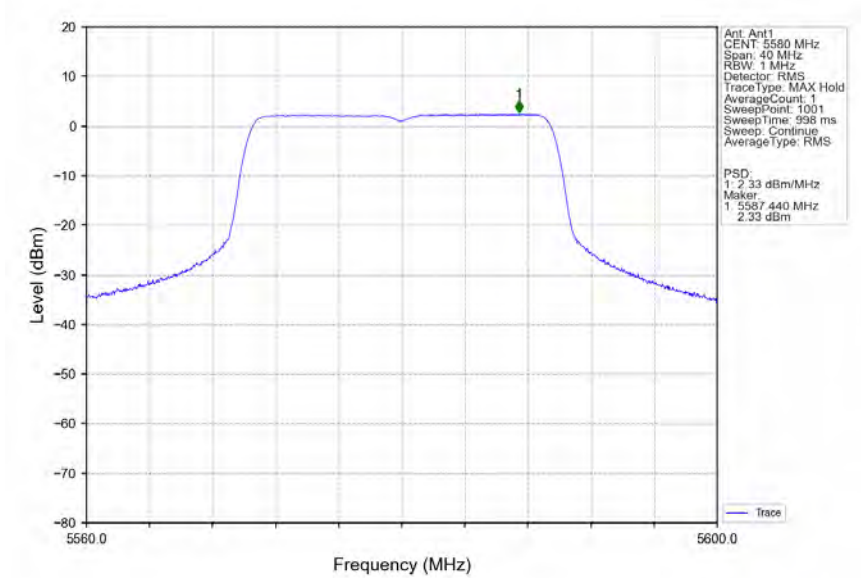
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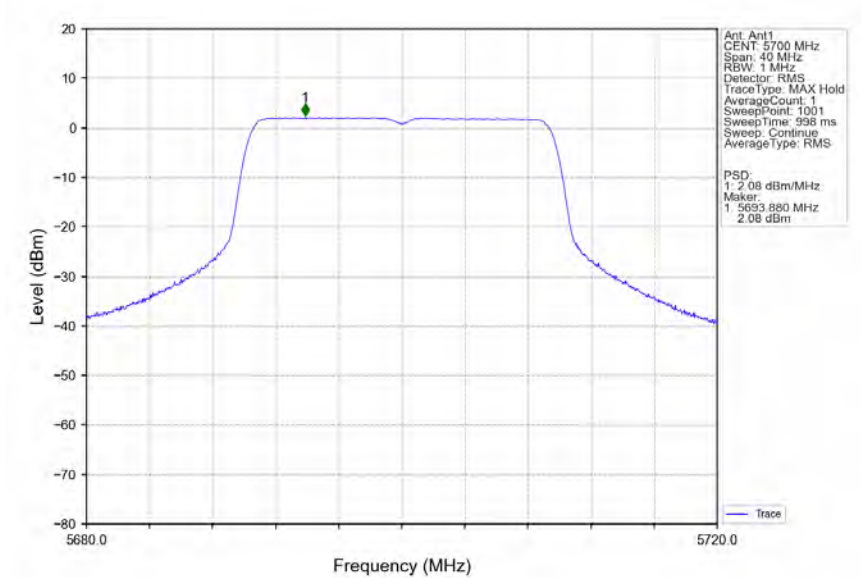
Report No.: KSCR240900172502

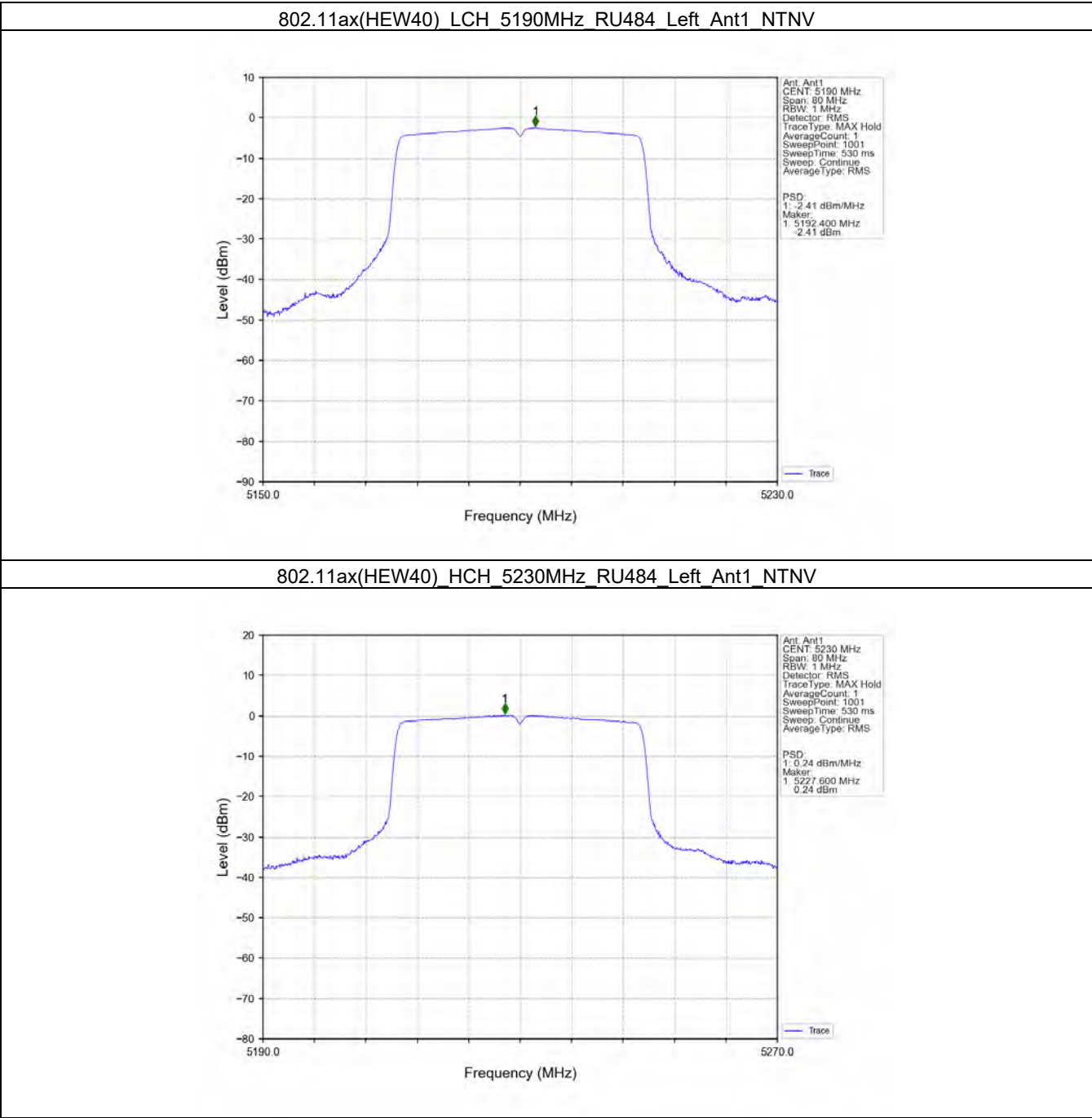
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802.11ax(HEW20) MCH 5580MHz RU242 Left Ant1 NTNv

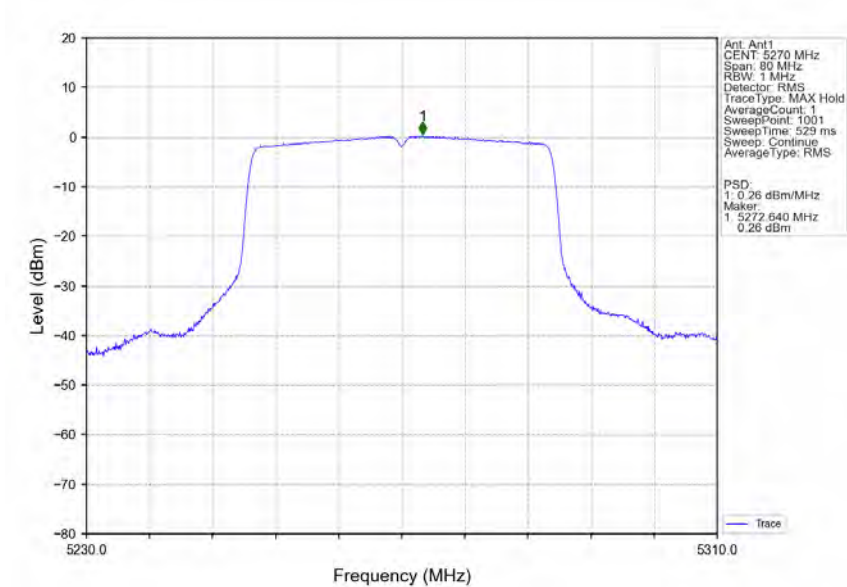


802.11ax(HEW20) HCH 5700MHz RU242 Left Ant1 NTNv

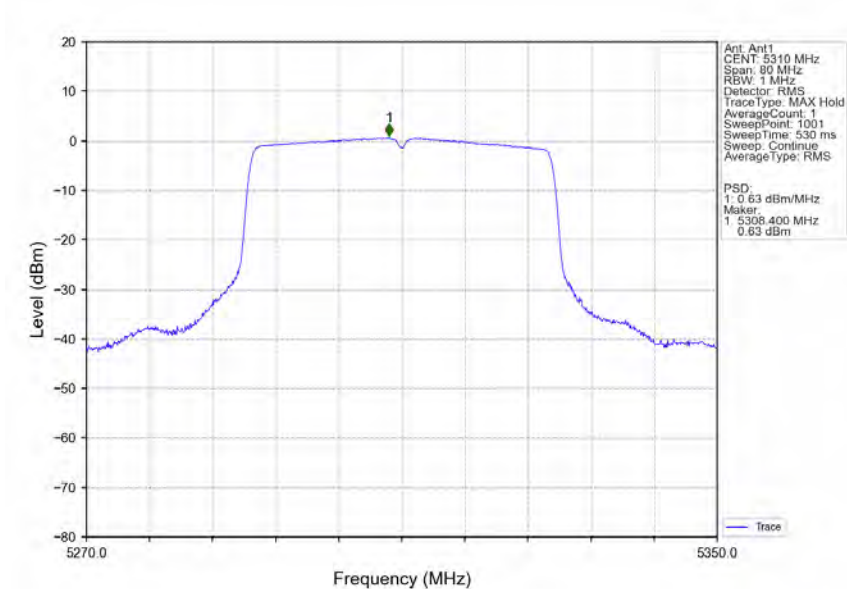




802.11ax(HEW40) LCH 5270MHz RU484 Left Ant1 NTN



802.11ax(HEW40) HCH 5310MHz RU484 Left Ant1 NTN



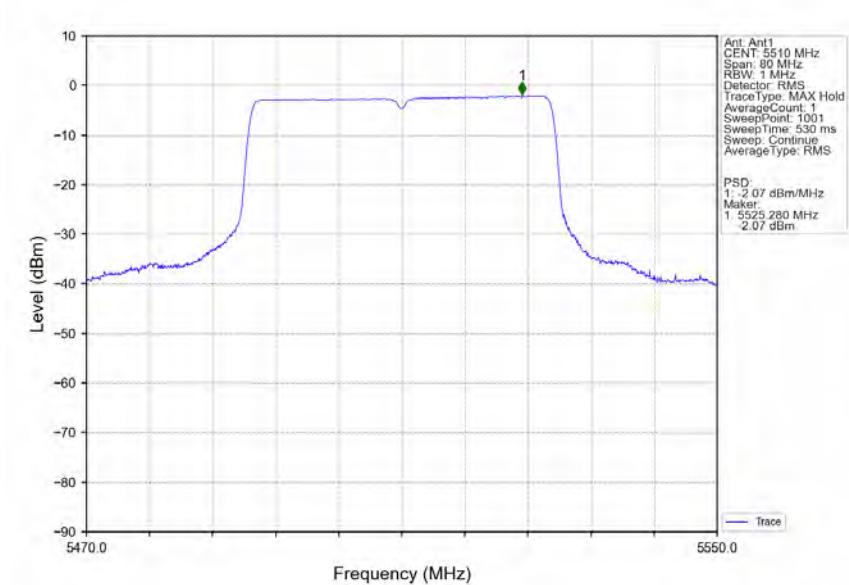
Compliance Certification Services (Kunshan) Inc.

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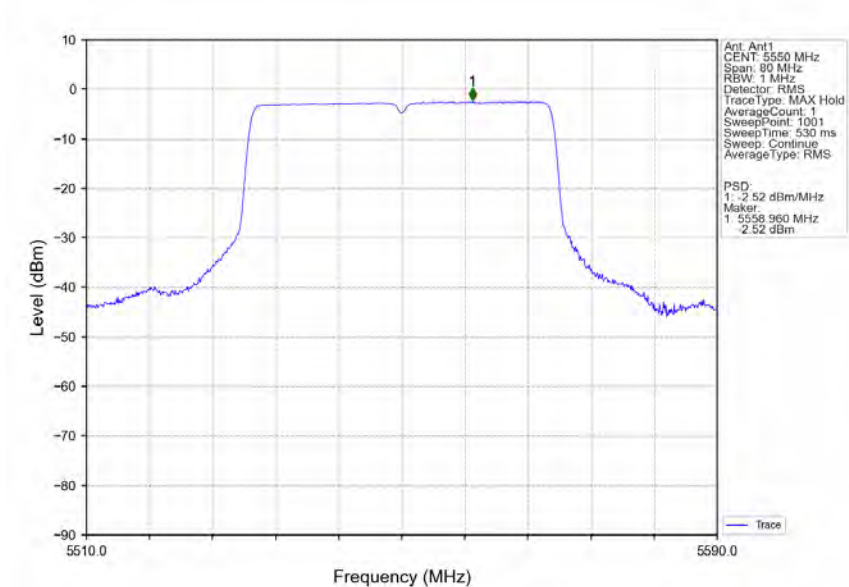
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802.11ax(HEW40) LCH 5510MHz RU484 Left Ant1 NTN



802.11ax(HEW40) MCH 5550MHz RU484 Left Ant1 NTN



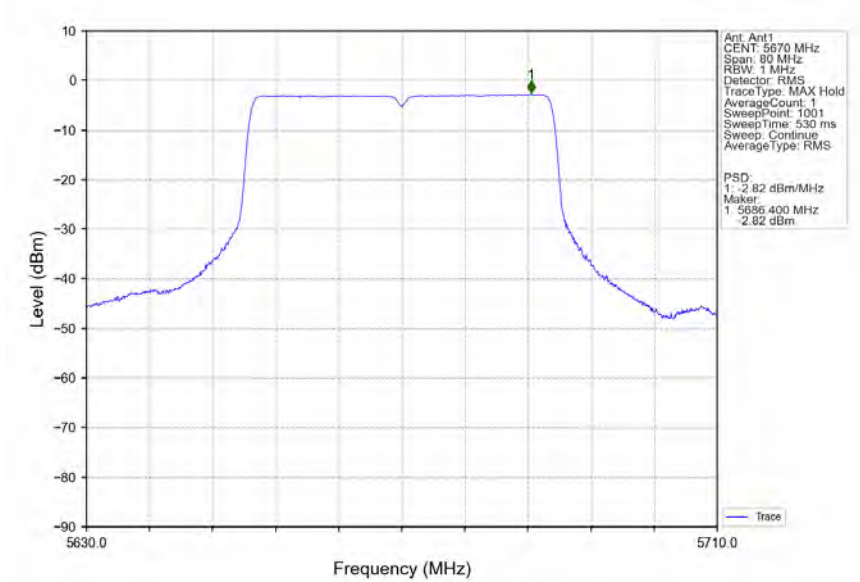
Compliance Certification Services (Kunshan) Inc.

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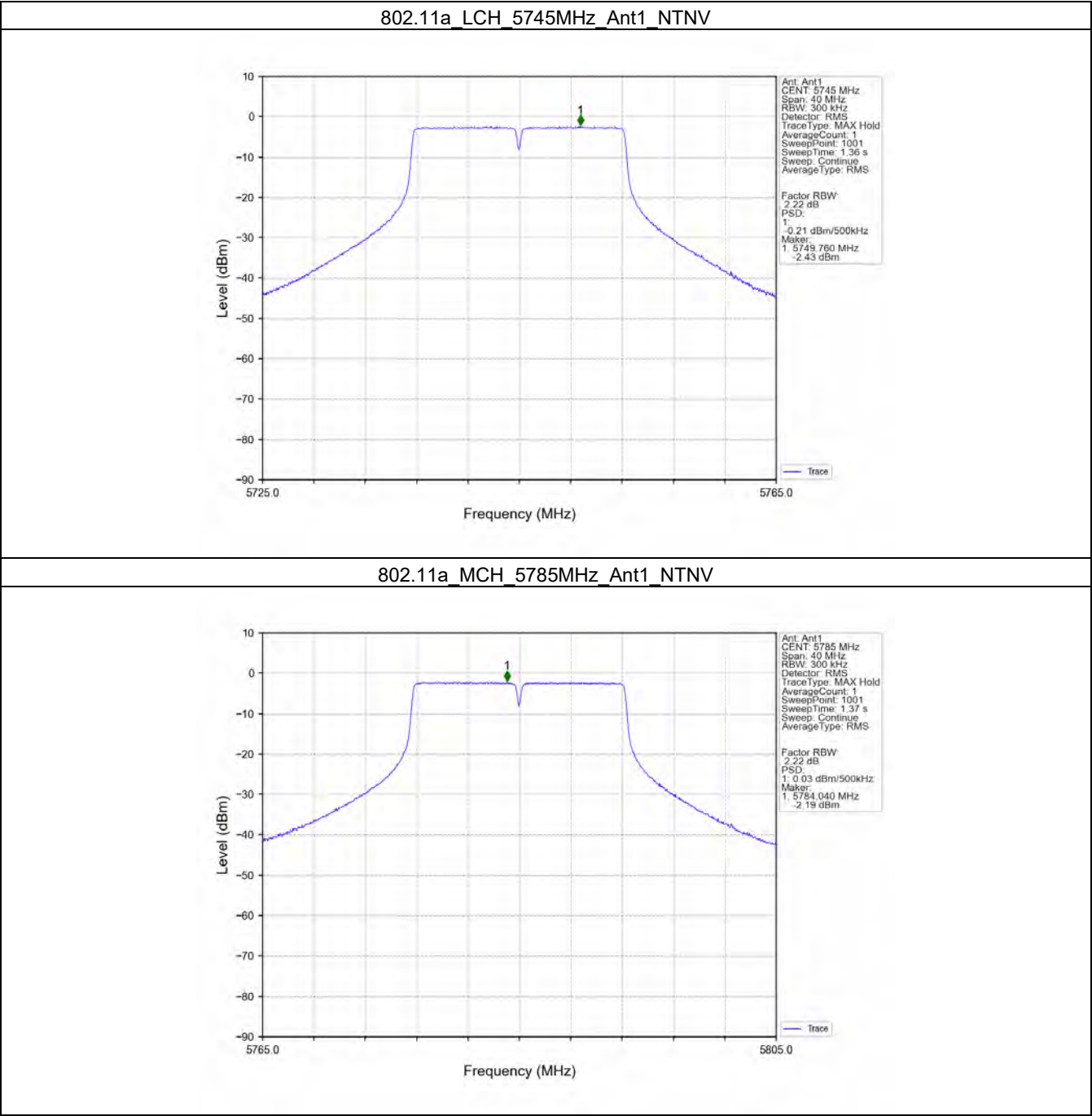
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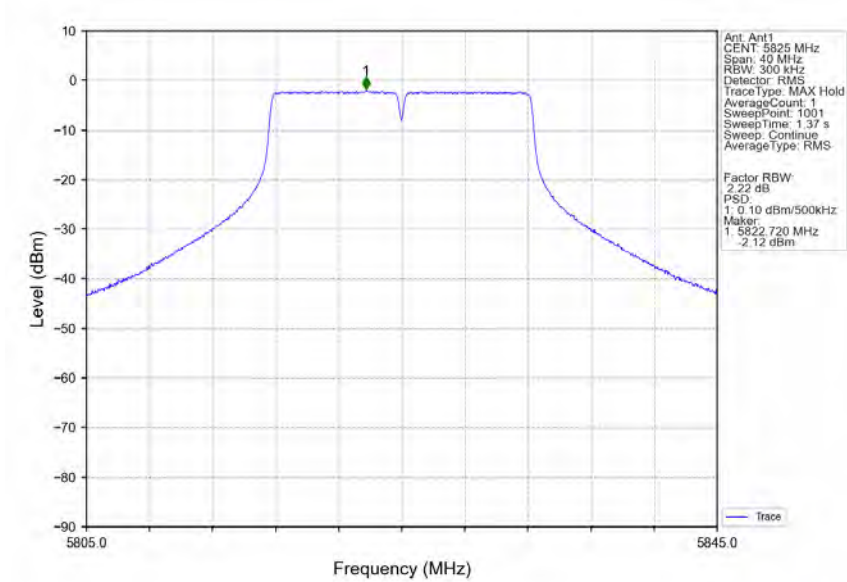
802.11ax(HEW40) HCH 5670MHz RU484 Left Ant1 NTN



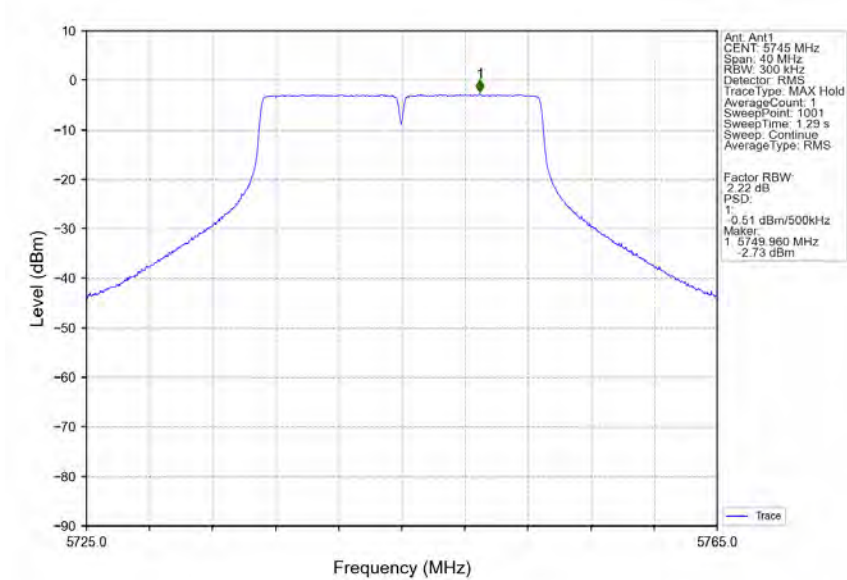
4.2.2 PSD-Band3



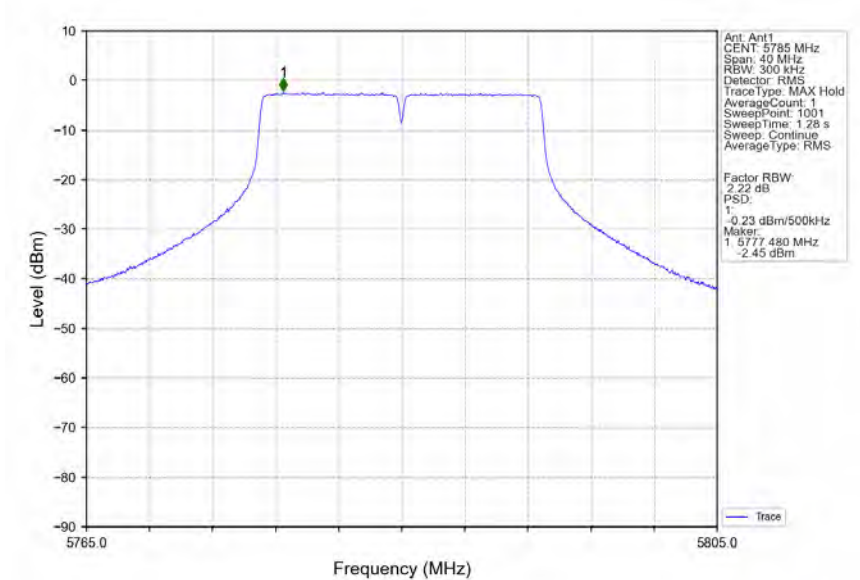
802.11a HCH 5825MHz Ant1 NTNV



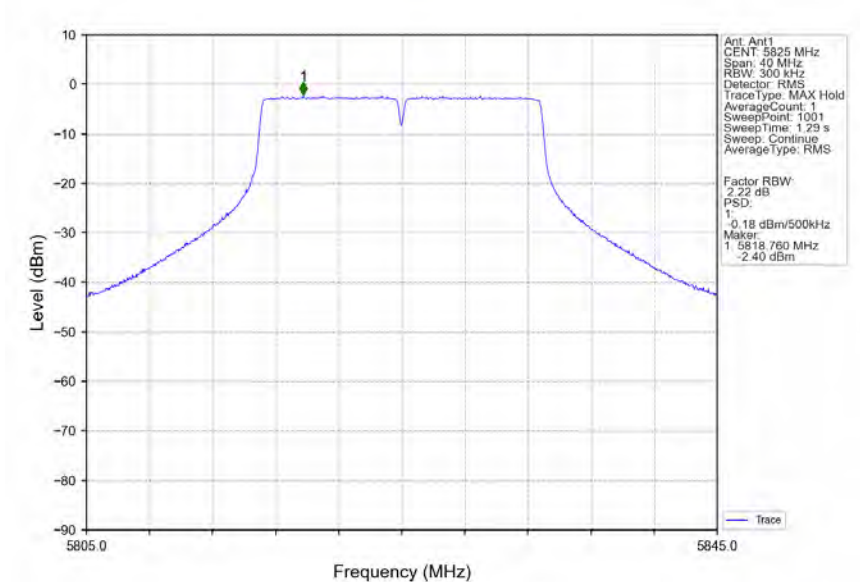
802.11ac(VHT20) LCH 5745MHz Ant1 NTNV



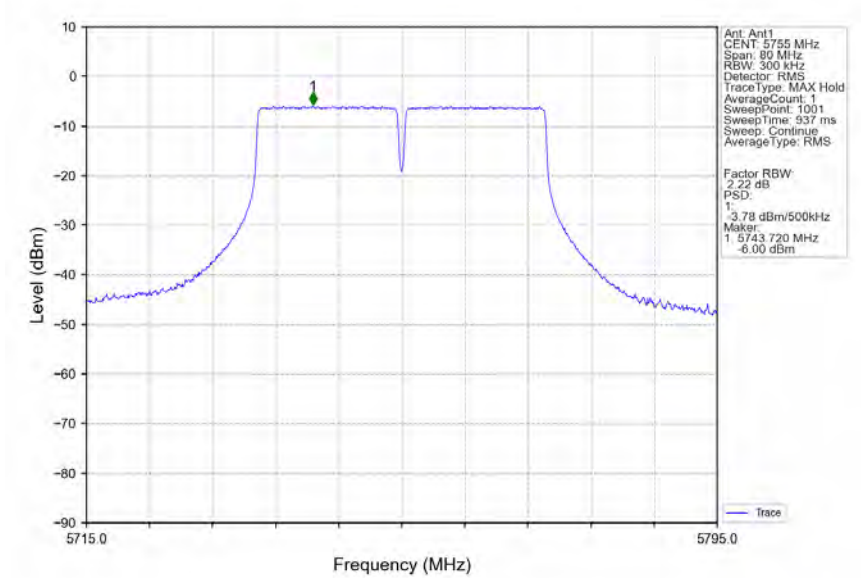
802.11ac(VHT20) MCH_5785MHz_Ant1_NTNV



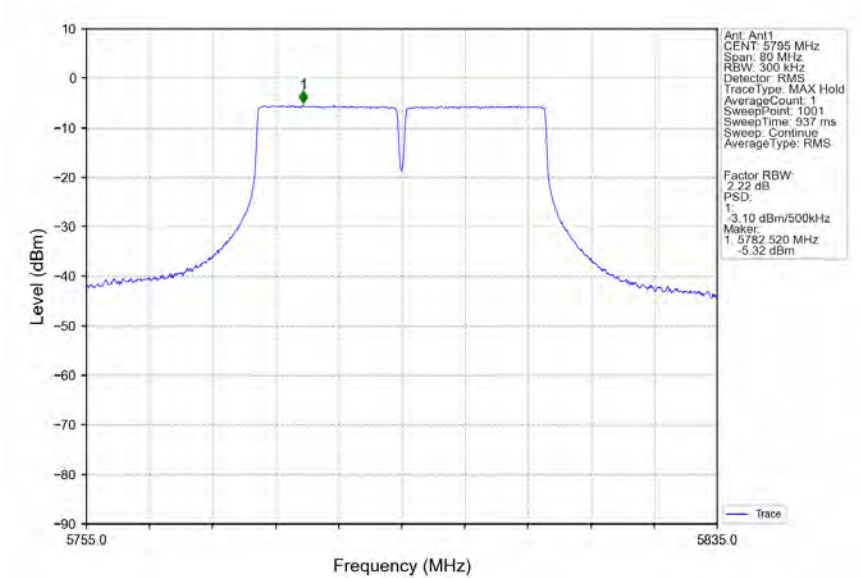
802.11ac(VHT20) HCH_5825MHz_Ant1_NTNV



802.11ac(VHT40) LCH 5755MHz Ant1 NTN



802.11ac(VHT40) HCH 5795MHz Ant1 NTN



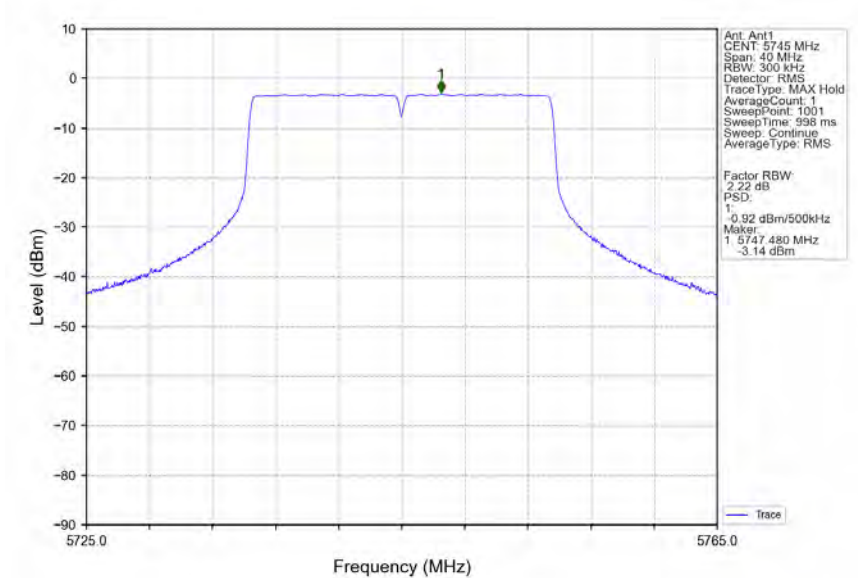
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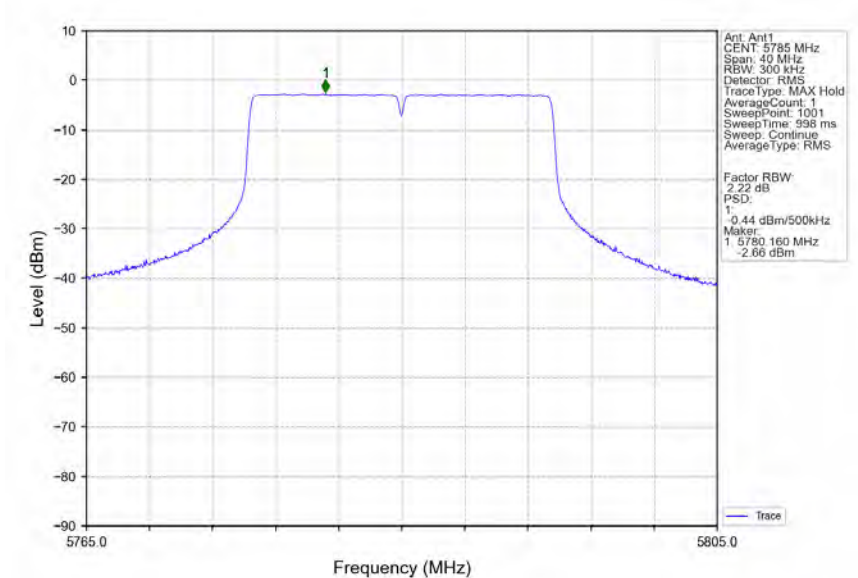
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802.11ax(HEW20) LCH 5745MHz RU242 Left Ant1 NTNv



802.11ax(HEW20) MCH 5785MHz RU242 Left Ant1 NTNv



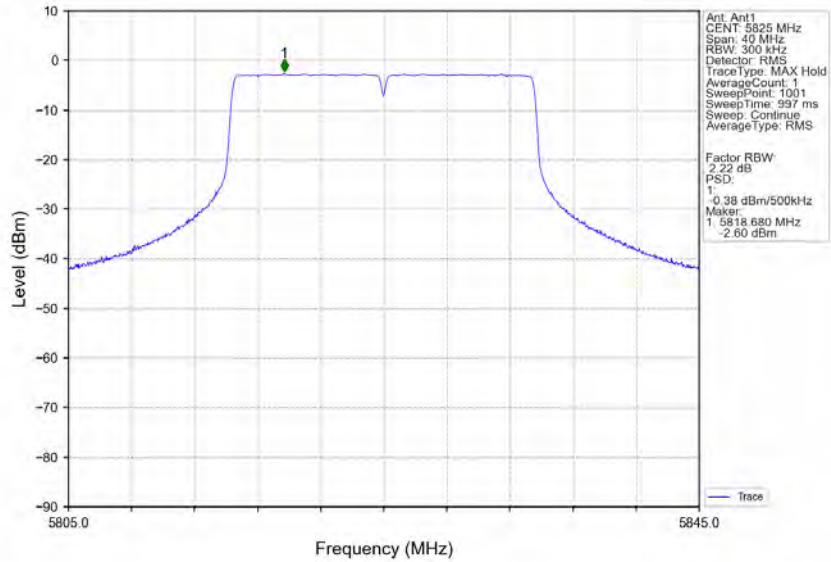
Compliance Certification Services (Kunshan) Inc.

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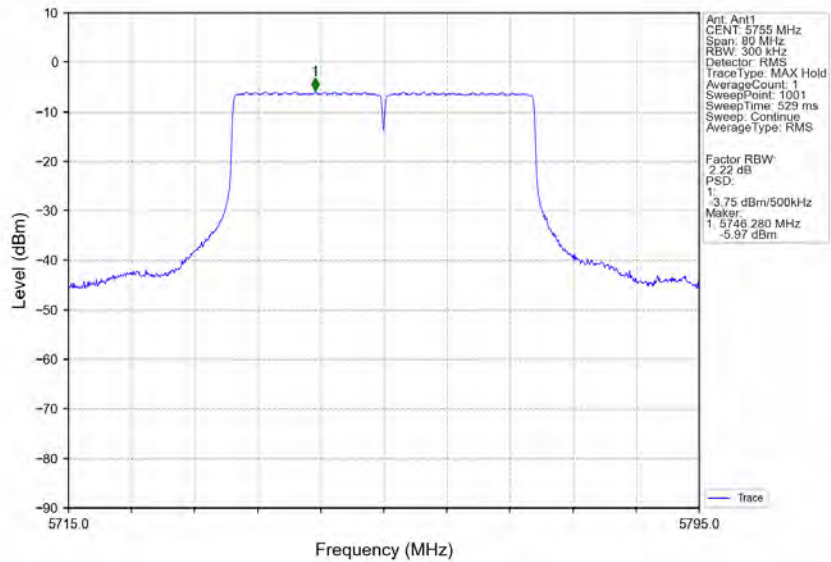
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802.11ax(HEW20) HCH 5825MHz RU242 Left Ant1 NTN



802.11ax(HEW40) LCH 5755MHz RU484 Left Ant1 NTN



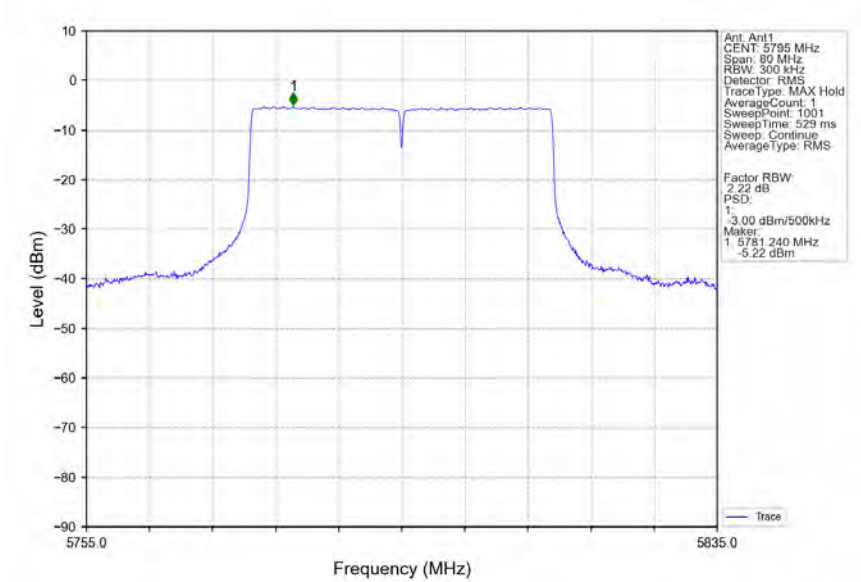
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802.11ax(HEW40) HCH 5795MHz RU484 Left Ant1 NTN



5. Frequency Stability

5.1 Test Result

5.1.1 Ant1

Ant1									
Mode	TX Type	Frequency (MHz)	RU	RU Pos	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
802.11a	SISO	5180	/	/	20	102	5179.980	5150 to 5250	Pass
						120	5180.000	5150 to 5250	Pass
						138	5180.020	5150 to 5250	Pass
					-30	120	5180.040	5150 to 5250	Pass
					-20	120	5180.040	5150 to 5250	Pass
					-10	120	5180.000	5150 to 5250	Pass
					0	120	5180.000	5150 to 5250	Pass
					10	120	5179.960	5150 to 5250	Pass
					30	120	5180.020	5150 to 5250	Pass
					40	120	5179.940	5150 to 5250	Pass
					50	120	5180.020	5150 to 5250	Pass
		5200	/	/	20	102	5200.000	5150 to 5250	Pass
						120	5199.980	5150 to 5250	Pass
						138	5200.020	5150 to 5250	Pass
					-30	120	5200.020	5150 to 5250	Pass
					-20	120	5200.040	5150 to 5250	Pass
					-10	120	5199.960	5150 to 5250	Pass
					0	120	5200.000	5150 to 5250	Pass
					10	120	5199.960	5150 to 5250	Pass
					30	120	5200.000	5150 to 5250	Pass
					40	120	5200.040	5150 to 5250	Pass
					50	120	5199.980	5150 to 5250	Pass
		5240	/	/	20	102	5240.060	5150 to 5250	Pass
						120	5239.980	5150 to 5250	Pass
						138	5240.020	5150 to 5250	Pass
					-30	120	5240.000	5150 to 5250	Pass
					-20	120	5240.040	5150 to 5250	Pass
					-10	120	5239.960	5150 to 5250	Pass
					0	120	5239.940	5150 to 5250	Pass
					10	120	5240.060	5150 to 5250	Pass
					30	120	5240.020	5150 to 5250	Pass
					40	120	5239.960	5150 to 5250	Pass
					50	120	5240.020	5150 to 5250	Pass
		5260	/	/	20	102	5260.000	5250 to 5350	Pass
						120	5260.000	5250 to 5350	Pass
						138	5259.960	5250 to 5350	Pass
					-30	120	5260.000	5250 to 5350	Pass
					-20	120	5260.040	5250 to 5350	Pass
					-10	120	5259.980	5250 to 5350	Pass
					0	120	5260.000	5250 to 5350	Pass

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					10	120	5260.000	5250 to 5350	Pass			
					30	120	5260.060	5250 to 5350	Pass			
					40	120	5259.940	5250 to 5350	Pass			
					50	120	5259.960	5250 to 5350	Pass			
		5300	/	/	20	102	5299.960	5250 to 5350	Pass			
						120	5299.900	5250 to 5350	Pass			
						138	5299.980	5250 to 5350	Pass			
					-30	120	5300.020	5250 to 5350	Pass			
					-20	120	5299.960	5250 to 5350	Pass			
					-10	120	5299.980	5250 to 5350	Pass			
					0	120	5299.980	5250 to 5350	Pass			
					10	120	5300.040	5250 to 5350	Pass			
					30	120	5299.880	5250 to 5350	Pass			
					40	120	5299.960	5250 to 5350	Pass			
					50	120	5299.940	5250 to 5350	Pass			
					5320	/	/	20	102	5319.980	5250 to 5350	Pass
									120	5319.860	5250 to 5350	Pass
									138	5319.960	5250 to 5350	Pass
		-30	120	5320.000				5250 to 5350	Pass			
		-20	120	5319.960				5250 to 5350	Pass			
		-10	120	5320.020				5250 to 5350	Pass			
		0	120	5319.960				5250 to 5350	Pass			
		10	120	5319.880				5250 to 5350	Pass			
		30	120	5319.980				5250 to 5350	Pass			
		40	120	5319.980				5250 to 5350	Pass			
		50	120	5319.920				5250 to 5350	Pass			
		5500	/	/	20	102	5499.980	5470 to 5725	Pass			
						120	5500.000	5470 to 5725	Pass			
						138	5499.980	5470 to 5725	Pass			
					-30	120	5500.060	5470 to 5725	Pass			
					-20	120	5500.000	5470 to 5725	Pass			
					-10	120	5499.940	5470 to 5725	Pass			
					0	120	5499.980	5470 to 5725	Pass			
					10	120	5500.020	5470 to 5725	Pass			
					30	120	5499.960	5470 to 5725	Pass			
					40	120	5499.980	5470 to 5725	Pass			
					50	120	5500.040	5470 to 5725	Pass			
		5580	/	/	20	102	5579.980	5470 to 5725	Pass			
						120	5580.020	5470 to 5725	Pass			
						138	5580.020	5470 to 5725	Pass			
					-30	120	5580.020	5470 to 5725	Pass			
					-20	120	5580.000	5470 to 5725	Pass			
					-10	120	5579.960	5470 to 5725	Pass			
					0	120	5579.960	5470 to 5725	Pass			
					10	120	5579.980	5470 to 5725	Pass			
					30	120	5580.040	5470 to 5725	Pass			
					40	120	5580.000	5470 to 5725	Pass			
					50	120	5579.980	5470 to 5725	Pass			
		5700	/	/	20	102	5700.000	5470 to 5725	Pass			
						120	5699.940	5470 to 5725	Pass			
138	5699.900					5470 to 5725	Pass					
-30	120				5699.920	5470 to 5725	Pass					

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					-20	120	5700.000	5470 to 5725	Pass
					-10	120	5700.000	5470 to 5725	Pass
					0	120	5699.980	5470 to 5725	Pass
					10	120	5700.000	5470 to 5725	Pass
					30	120	5699.940	5470 to 5725	Pass
					40	120	5699.940	5470 to 5725	Pass
					50	120	5700.040	5470 to 5725	Pass
		5745	/	/	20	102	5745.020	5725 to 5850	Pass
						120	5745.000	5725 to 5850	Pass
						138	5744.860	5725 to 5850	Pass
					-30	120	5744.880	5725 to 5850	Pass
					-20	120	5744.900	5725 to 5850	Pass
					-10	120	5745.000	5725 to 5850	Pass
					0	120	5744.860	5725 to 5850	Pass
					10	120	5744.920	5725 to 5850	Pass
					30	120	5744.960	5725 to 5850	Pass
					40	120	5744.960	5725 to 5850	Pass
					50	120	5744.980	5725 to 5850	Pass
		5785	/	/	20	102	5784.980	5725 to 5850	Pass
						120	5784.980	5725 to 5850	Pass
						138	5784.960	5725 to 5850	Pass
					-30	120	5784.900	5725 to 5850	Pass
					-20	120	5785.000	5725 to 5850	Pass
					-10	120	5785.000	5725 to 5850	Pass
					0	120	5784.940	5725 to 5850	Pass
					10	120	5784.980	5725 to 5850	Pass
					30	120	5784.940	5725 to 5850	Pass
					40	120	5784.920	5725 to 5850	Pass
					50	120	5785.000	5725 to 5850	Pass
		5825	/	/	20	102	5825.000	5725 to 5850	Pass
						120	5825.000	5725 to 5850	Pass
						138	5824.880	5725 to 5850	Pass
					-30	120	5824.920	5725 to 5850	Pass
					-20	120	5824.980	5725 to 5850	Pass
					-10	120	5824.940	5725 to 5850	Pass
					0	120	5824.940	5725 to 5850	Pass
					10	120	5825.000	5725 to 5850	Pass
					30	120	5824.900	5725 to 5850	Pass
					40	120	5824.880	5725 to 5850	Pass
					50	120	5825.000	5725 to 5850	Pass
802.11ac (VHT20)	SISO	5180	/	/	20	102	5179.960	5150 to 5250	Pass
						120	5179.940	5150 to 5250	Pass
						138	5180.000	5150 to 5250	Pass
					-30	120	5179.980	5150 to 5250	Pass
					-20	120	5179.920	5150 to 5250	Pass
					-10	120	5179.920	5150 to 5250	Pass
					0	120	5179.940	5150 to 5250	Pass
					10	120	5179.960	5150 to 5250	Pass
					30	120	5179.940	5150 to 5250	Pass
					40	120	5179.920	5150 to 5250	Pass
					50	120	5179.960	5150 to 5250	Pass
		5200	/	/	20	102	5199.960	5150 to 5250	Pass

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						120	5200.040	5150 to 5250	Pass
						138	5199.880	5150 to 5250	Pass
					-30	120	5199.920	5150 to 5250	Pass
					-20	120	5199.980	5150 to 5250	Pass
					-10	120	5199.940	5150 to 5250	Pass
					0	120	5199.940	5150 to 5250	Pass
					10	120	5199.940	5150 to 5250	Pass
					30	120	5199.880	5150 to 5250	Pass
					40	120	5199.980	5150 to 5250	Pass
					50	120	5199.940	5150 to 5250	Pass
		5240	/	/	20	102	5240.040	5150 to 5250	Pass
						120	5239.940	5150 to 5250	Pass
						138	5239.940	5150 to 5250	Pass
					-30	120	5239.940	5150 to 5250	Pass
					-20	120	5239.980	5150 to 5250	Pass
					-10	120	5239.980	5150 to 5250	Pass
					0	120	5239.920	5150 to 5250	Pass
					10	120	5239.920	5150 to 5250	Pass
					30	120	5240.000	5150 to 5250	Pass
					40	120	5239.980	5150 to 5250	Pass
		50	120	5240.000	5150 to 5250	Pass			
		5260	/	/	20	102	5259.940	5250 to 5350	Pass
						120	5259.980	5250 to 5350	Pass
						138	5259.980	5250 to 5350	Pass
					-30	120	5260.060	5250 to 5350	Pass
					-20	120	5259.960	5250 to 5350	Pass
					-10	120	5259.980	5250 to 5350	Pass
					0	120	5259.980	5250 to 5350	Pass
					10	120	5259.880	5250 to 5350	Pass
					30	120	5260.020	5250 to 5350	Pass
					40	120	5259.980	5250 to 5350	Pass
		50	120	5260.040	5250 to 5350	Pass			
		5300	/	/	20	102	5300.000	5250 to 5350	Pass
						120	5299.900	5250 to 5350	Pass
						138	5299.980	5250 to 5350	Pass
					-30	120	5300.060	5250 to 5350	Pass
					-20	120	5300.000	5250 to 5350	Pass
					-10	120	5299.920	5250 to 5350	Pass
					0	120	5300.000	5250 to 5350	Pass
					10	120	5300.040	5250 to 5350	Pass
					30	120	5300.000	5250 to 5350	Pass
					40	120	5299.900	5250 to 5350	Pass
		50	120	5299.940	5250 to 5350	Pass			
		5320	/	/	20	102	5319.940	5250 to 5350	Pass
						120	5320.020	5250 to 5350	Pass
						138	5319.900	5250 to 5350	Pass
					-30	120	5319.980	5250 to 5350	Pass
					-20	120	5319.900	5250 to 5350	Pass
					-10	120	5319.960	5250 to 5350	Pass
					0	120	5319.840	5250 to 5350	Pass
					10	120	5319.920	5250 to 5350	Pass
		30	120	5319.920	5250 to 5350	Pass			



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					40	120	5319.940	5250 to 5350	Pass
					50	120	5319.960	5250 to 5350	Pass
		5500	/	/	20	102	5499.900	5470 to 5725	Pass
						120	5500.000	5470 to 5725	Pass
						138	5499.940	5470 to 5725	Pass
					-30	120	5500.020	5470 to 5725	Pass
					-20	120	5499.940	5470 to 5725	Pass
					-10	120	5499.940	5470 to 5725	Pass
					0	120	5500.040	5470 to 5725	Pass
					10	120	5499.940	5470 to 5725	Pass
					30	120	5499.880	5470 to 5725	Pass
					40	120	5500.080	5470 to 5725	Pass
					50	120	5500.000	5470 to 5725	Pass
		5580	/	/	20	102	5579.920	5470 to 5725	Pass
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						138	5579.980	5470 to 5725	Pass
					-30	120	5579.920	5470 to 5725	Pass
					-20	120	5579.960	5470 to 5725	Pass
					-10	120	5579.960	5470 to 5725	Pass
					0	120	5579.940	5470 to 5725	Pass
					10	120	5580.000	5470 to 5725	Pass
					30	120	5580.000	5470 to 5725	Pass
					40	120	5579.960	5470 to 5725	Pass
					50	120	5579.940	5470 to 5725	Pass
		5700	/	/	20	102	5700.000	5470 to 5725	Pass
						120	5699.920	5470 to 5725	Pass
						138	5699.980	5470 to 5725	Pass
					-30	120	5700.020	5470 to 5725	Pass
					-20	120	5699.980	5470 to 5725	Pass
					-10	120	5700.000	5470 to 5725	Pass
					0	120	5699.960	5470 to 5725	Pass
					10	120	5699.960	5470 to 5725	Pass
					30	120	5699.940	5470 to 5725	Pass
					40	120	5699.940	5470 to 5725	Pass
					50	120	5700.000	5470 to 5725	Pass
		5745	/	/	20	102	5744.980	5725 to 5850	Pass
						120	5744.940	5725 to 5850	Pass
						138	5744.940	5725 to 5850	Pass
					-30	120	5744.940	5725 to 5850	Pass
					-20	120	5744.900	5725 to 5850	Pass
					-10	120	5744.940	5725 to 5850	Pass
					0	120	5744.920	5725 to 5850	Pass
					10	120	5745.000	5725 to 5850	Pass
					30	120	5744.960	5725 to 5850	Pass
					40	120	5744.900	5725 to 5850	Pass
					50	120	5744.940	5725 to 5850	Pass
		5785	/	/	20	102	5785.060	5725 to 5850	Pass
						120	5784.940	5725 to 5850	Pass
						138	5785.020	5725 to 5850	Pass
					-30	120	5784.980	5725 to 5850	Pass
					-20	120	5784.980	5725 to 5850	Pass
					-10	120	5784.920	5725 to 5850	Pass

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					0	120	5784.980	5725 to 5850	Pass
					10	120	5784.960	5725 to 5850	Pass
					30	120	5784.940	5725 to 5850	Pass
					40	120	5784.940	5725 to 5850	Pass
					50	120	5784.940	5725 to 5850	Pass
		5825	/	/	20	102	5824.980	5725 to 5850	Pass
						120	5825.000	5725 to 5850	Pass
						138	5824.940	5725 to 5850	Pass
					-30	120	5825.000	5725 to 5850	Pass
					-20	120	5824.960	5725 to 5850	Pass
					-10	120	5824.980	5725 to 5850	Pass
					0	120	5824.940	5725 to 5850	Pass
					10	120	5824.940	5725 to 5850	Pass
					30	120	5824.940	5725 to 5850	Pass
					40	120	5824.960	5725 to 5850	Pass
					50	120	5824.960	5725 to 5850	Pass
					20	102	5190.080	5150 to 5250	Pass
						120	5190.000	5150 to 5250	Pass
						138	5190.080	5150 to 5250	Pass
					-30	120	5189.960	5150 to 5250	Pass
					-20	120	5190.000	5150 to 5250	Pass
					-10	120	5189.960	5150 to 5250	Pass
					0	120	5189.920	5150 to 5250	Pass
					10	120	5190.040	5150 to 5250	Pass
					30	120	5189.920	5150 to 5250	Pass
					40	120	5190.000	5150 to 5250	Pass
					50	120	5190.040	5150 to 5250	Pass
802.11ac (VHT40)	SISO	5190	/	/	20	102	5229.920	5150 to 5250	Pass
						120	5230.000	5150 to 5250	Pass
						138	5229.880	5150 to 5250	Pass
					-30	120	5230.040	5150 to 5250	Pass
					-20	120	5229.880	5150 to 5250	Pass
					-10	120	5230.000	5150 to 5250	Pass
					0	120	5229.960	5150 to 5250	Pass
					10	120	5230.000	5150 to 5250	Pass
					30	120	5230.040	5150 to 5250	Pass
					40	120	5230.040	5150 to 5250	Pass
					50	120	5230.040	5150 to 5250	Pass
		5230	/	/	20	102	5270.040	5250 to 5350	Pass
						120	5269.960	5250 to 5350	Pass
						138	5270.040	5250 to 5350	Pass
					-30	120	5269.960	5250 to 5350	Pass
					-20	120	5269.960	5250 to 5350	Pass
					-10	120	5270.040	5250 to 5350	Pass
					0	120	5270.040	5250 to 5350	Pass
					10	120	5269.960	5250 to 5350	Pass
					30	120	5270.000	5250 to 5350	Pass
					40	120	5270.080	5250 to 5350	Pass
					50	120	5270.040	5250 to 5350	Pass
		5270	/	/	20	102	5309.920	5250 to 5350	Pass
						120	5309.920	5250 to 5350	Pass
						138	5309.960	5250 to 5350	Pass

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					-30	120	5309.960	5250 to 5350	Pass
					-20	120	5309.920	5250 to 5350	Pass
					-10	120	5309.960	5250 to 5350	Pass
					0	120	5309.880	5250 to 5350	Pass
					10	120	5309.840	5250 to 5350	Pass
					30	120	5309.960	5250 to 5350	Pass
					40	120	5309.920	5250 to 5350	Pass
					50	120	5310.000	5250 to 5350	Pass
		5510	/	/	20	102	5510.000	5470 to 5725	Pass
						120	5510.000	5470 to 5725	Pass
						138	5509.920	5470 to 5725	Pass
					-30	120	5509.960	5470 to 5725	Pass
					-20	120	5510.000	5470 to 5725	Pass
					-10	120	5509.960	5470 to 5725	Pass
					0	120	5510.120	5470 to 5725	Pass
					10	120	5510.080	5470 to 5725	Pass
					30	120	5509.880	5470 to 5725	Pass
					40	120	5510.000	5470 to 5725	Pass
					50	120	5509.960	5470 to 5725	Pass
		5550	/	/	20	102	5550.000	5470 to 5725	Pass
						120	5550.000	5470 to 5725	Pass
						138	5549.960	5470 to 5725	Pass
					-30	120	5550.000	5470 to 5725	Pass
					-20	120	5550.040	5470 to 5725	Pass
					-10	120	5550.000	5470 to 5725	Pass
					0	120	5550.000	5470 to 5725	Pass
					10	120	5550.040	5470 to 5725	Pass
					30	120	5550.000	5470 to 5725	Pass
					40	120	5550.040	5470 to 5725	Pass
					50	120	5550.000	5470 to 5725	Pass
		5670	/	/	20	102	5670.120	5470 to 5725	Pass
						120	5669.960	5470 to 5725	Pass
						138	5669.920	5470 to 5725	Pass
					-30	120	5669.960	5470 to 5725	Pass
					-20	120	5670.040	5470 to 5725	Pass
					-10	120	5669.920	5470 to 5725	Pass
					0	120	5670.000	5470 to 5725	Pass
					10	120	5669.920	5470 to 5725	Pass
					30	120	5670.000	5470 to 5725	Pass
					40	120	5670.000	5470 to 5725	Pass
					50	120	5669.960	5470 to 5725	Pass
		5755	/	/	20	102	5754.920	5725 to 5850	Pass
						120	5754.960	5725 to 5850	Pass
						138	5754.960	5725 to 5850	Pass
					-30	120	5754.960	5725 to 5850	Pass
					-20	120	5754.920	5725 to 5850	Pass
					-10	120	5754.920	5725 to 5850	Pass
					0	120	5754.960	5725 to 5850	Pass
					10	120	5754.960	5725 to 5850	Pass
					30	120	5754.880	5725 to 5850	Pass
					40	120	5755.000	5725 to 5850	Pass
					50	120	5754.920	5725 to 5850	Pass

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		5795	/	/	20	102	5795.040	5725 to 5850	Pass
						120	5795.000	5725 to 5850	Pass
						138	5795.000	5725 to 5850	Pass
					-30	120	5794.960	5725 to 5850	Pass
					-20	120	5795.000	5725 to 5850	Pass
					-10	120	5795.000	5725 to 5850	Pass
					0	120	5794.920	5725 to 5850	Pass
					10	120	5795.000	5725 to 5850	Pass
					30	120	5795.040	5725 to 5850	Pass
					40	120	5794.920	5725 to 5850	Pass
					50	120	5794.920	5725 to 5850	Pass
802.11ax (HEW20)	SISO	5180	RU242	Left	20	102	5180.000	5150 to 5250	Pass
						120	5180.020	5150 to 5250	Pass
						138	5180.020	5150 to 5250	Pass
					-30	120	5180.000	5150 to 5250	Pass
					-20	120	5179.960	5150 to 5250	Pass
					-10	120	5179.980	5150 to 5250	Pass
					0	120	5179.940	5150 to 5250	Pass
					10	120	5180.060	5150 to 5250	Pass
					30	120	5180.020	5150 to 5250	Pass
					40	120	5179.960	5150 to 5250	Pass
					50	120	5180.000	5150 to 5250	Pass
		5200	RU242	Left	20	102	5199.980	5150 to 5250	Pass
						120	5199.960	5150 to 5250	Pass
						138	5200.020	5150 to 5250	Pass
					-30	120	5199.960	5150 to 5250	Pass
					-20	120	5199.960	5150 to 5250	Pass
					-10	120	5199.920	5150 to 5250	Pass
					0	120	5199.980	5150 to 5250	Pass
					10	120	5200.000	5150 to 5250	Pass
					30	120	5199.920	5150 to 5250	Pass
					40	120	5199.920	5150 to 5250	Pass
					50	120	5200.000	5150 to 5250	Pass
		5240	RU242	Left	20	102	5240.020	5150 to 5250	Pass
						120	5239.960	5150 to 5250	Pass
						138	5239.940	5150 to 5250	Pass
					-30	120	5240.020	5150 to 5250	Pass
					-20	120	5240.020	5150 to 5250	Pass
					-10	120	5239.920	5150 to 5250	Pass
					0	120	5239.980	5150 to 5250	Pass
					10	120	5240.120	5150 to 5250	Pass
					30	120	5239.960	5150 to 5250	Pass
					40	120	5239.980	5150 to 5250	Pass
					50	120	5239.960	5150 to 5250	Pass
		5260	RU242	Left	20	102	5259.960	5250 to 5350	Pass
						120	5259.960	5250 to 5350	Pass
						138	5259.960	5250 to 5350	Pass
					-30	120	5259.980	5250 to 5350	Pass
					-20	120	5260.040	5250 to 5350	Pass
					-10	120	5260.100	5250 to 5350	Pass
					0	120	5260.060	5250 to 5350	Pass
					10	120	5260.120	5250 to 5350	Pass



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					30	120	5259.940	5250 to 5350	Pass
					40	120	5260.000	5250 to 5350	Pass
					50	120	5260.140	5250 to 5350	Pass
		5300	RU242	Left	20	102	5300.020	5250 to 5350	Pass
						120	5300.020	5250 to 5350	Pass
						138	5299.880	5250 to 5350	Pass
					-30	120	5300.040	5250 to 5350	Pass
					-20	120	5300.060	5250 to 5350	Pass
					-10	120	5300.020	5250 to 5350	Pass
					0	120	5300.040	5250 to 5350	Pass
					10	120	5299.900	5250 to 5350	Pass
					30	120	5299.960	5250 to 5350	Pass
					40	120	5299.880	5250 to 5350	Pass
					50	120	5299.980	5250 to 5350	Pass
		5320	RU242	Left	20	102	5319.920	5250 to 5350	Pass
						120	5319.980	5250 to 5350	Pass
						138	5319.940	5250 to 5350	Pass
					-30	120	5319.920	5250 to 5350	Pass
					-20	120	5319.960	5250 to 5350	Pass
					-10	120	5319.920	5250 to 5350	Pass
					0	120	5319.960	5250 to 5350	Pass
					10	120	5319.940	5250 to 5350	Pass
					30	120	5319.920	5250 to 5350	Pass
					40	120	5319.980	5250 to 5350	Pass
					50	120	5319.940	5250 to 5350	Pass
		5500	RU242	Left	20	102	5499.980	5470 to 5725	Pass
						120	5499.900	5470 to 5725	Pass
						138	5500.000	5470 to 5725	Pass
					-30	120	5499.920	5470 to 5725	Pass
					-20	120	5500.000	5470 to 5725	Pass
					-10	120	5499.980	5470 to 5725	Pass
					0	120	5499.960	5470 to 5725	Pass
					10	120	5499.880	5470 to 5725	Pass
					30	120	5499.980	5470 to 5725	Pass
					40	120	5499.980	5470 to 5725	Pass
					50	120	5499.940	5470 to 5725	Pass
		5580	RU242	Left	20	102	5579.940	5470 to 5725	Pass
						120	5579.920	5470 to 5725	Pass
						138	5579.960	5470 to 5725	Pass
					-30	120	5579.960	5470 to 5725	Pass
					-20	120	5579.960	5470 to 5725	Pass
					-10	120	5579.940	5470 to 5725	Pass
					0	120	5580.020	5470 to 5725	Pass
					10	120	5579.920	5470 to 5725	Pass
					30	120	5579.980	5470 to 5725	Pass
					40	120	5579.960	5470 to 5725	Pass
					50	120	5580.020	5470 to 5725	Pass
		5700	RU242	Left	20	102	5700.020	5470 to 5725	Pass
						120	5699.940	5470 to 5725	Pass
						138	5700.000	5470 to 5725	Pass
					-30	120	5699.980	5470 to 5725	Pass
					-20	120	5699.960	5470 to 5725	Pass

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					-10	120	5699.940	5470 to 5725	Pass
					0	120	5699.940	5470 to 5725	Pass
					10	120	5700.020	5470 to 5725	Pass
					30	120	5699.980	5470 to 5725	Pass
					40	120	5699.980	5470 to 5725	Pass
					50	120	5699.900	5470 to 5725	Pass
		5745	RU242	Left	20	102	5745.000	5725 to 5850	Pass
						120	5744.920	5725 to 5850	Pass
						138	5744.880	5725 to 5850	Pass
					-30	120	5744.960	5725 to 5850	Pass
					-20	120	5745.000	5725 to 5850	Pass
					-10	120	5745.040	5725 to 5850	Pass
					0	120	5745.060	5725 to 5850	Pass
					10	120	5745.020	5725 to 5850	Pass
					30	120	5744.900	5725 to 5850	Pass
					40	120	5744.980	5725 to 5850	Pass
					50	120	5744.900	5725 to 5850	Pass
		5785	RU242	Left	20	102	5784.980	5725 to 5850	Pass
						120	5784.920	5725 to 5850	Pass
						138	5784.960	5725 to 5850	Pass
					-30	120	5784.940	5725 to 5850	Pass
					-20	120	5784.980	5725 to 5850	Pass
					-10	120	5784.940	5725 to 5850	Pass
					0	120	5785.060	5725 to 5850	Pass
					10	120	5784.900	5725 to 5850	Pass
					30	120	5785.040	5725 to 5850	Pass
					40	120	5784.920	5725 to 5850	Pass
					50	120	5784.940	5725 to 5850	Pass
		5825	RU242	Left	20	102	5824.960	5725 to 5850	Pass
						120	5824.960	5725 to 5850	Pass
						138	5824.960	5725 to 5850	Pass
					-30	120	5825.020	5725 to 5850	Pass
					-20	120	5825.020	5725 to 5850	Pass
					-10	120	5824.940	5725 to 5850	Pass
					0	120	5824.980	5725 to 5850	Pass
					10	120	5825.040	5725 to 5850	Pass
					30	120	5824.940	5725 to 5850	Pass
					40	120	5824.940	5725 to 5850	Pass
					50	120	5825.060	5725 to 5850	Pass
802.11ax (HEW40)	SISO	5190	RU484	Left	20	102	5189.960	5150 to 5250	Pass
						120	5190.000	5150 to 5250	Pass
						138	5190.000	5150 to 5250	Pass
					-30	120	5189.960	5150 to 5250	Pass
					-20	120	5190.000	5150 to 5250	Pass
					-10	120	5189.960	5150 to 5250	Pass
					0	120	5190.000	5150 to 5250	Pass
					10	120	5189.960	5150 to 5250	Pass
					30	120	5190.000	5150 to 5250	Pass
					40	120	5190.000	5150 to 5250	Pass
					50	120	5189.920	5150 to 5250	Pass
		5230	RU484	Left	20	102	5229.960	5150 to 5250	Pass
						120	5230.000	5150 to 5250	Pass

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		5270	RU484	Left		138	5229.920	5150 to 5250	Pass
					-30	120	5229.960	5150 to 5250	Pass
					-20	120	5229.960	5150 to 5250	Pass
					-10	120	5229.960	5150 to 5250	Pass
					0	120	5229.880	5150 to 5250	Pass
					10	120	5229.880	5150 to 5250	Pass
					30	120	5229.920	5150 to 5250	Pass
					40	120	5230.000	5150 to 5250	Pass
					50	120	5229.840	5150 to 5250	Pass
					20	102	5270.040	5250 to 5350	Pass
						120	5269.960	5250 to 5350	Pass
						138	5270.000	5250 to 5350	Pass
					-30	120	5270.000	5250 to 5350	Pass
					-20	120	5269.960	5250 to 5350	Pass
					-10	120	5270.040	5250 to 5350	Pass
					0	120	5269.920	5250 to 5350	Pass
					10	120	5269.960	5250 to 5350	Pass
					30	120	5270.000	5250 to 5350	Pass
					40	120	5270.040	5250 to 5350	Pass
					50	120	5269.960	5250 to 5350	Pass
		5310	RU484	Left	20	102	5309.960	5250 to 5350	Pass
						120	5310.040	5250 to 5350	Pass
						138	5309.960	5250 to 5350	Pass
					-30	120	5309.960	5250 to 5350	Pass
					-20	120	5309.920	5250 to 5350	Pass
					-10	120	5309.920	5250 to 5350	Pass
					0	120	5309.960	5250 to 5350	Pass
					10	120	5309.960	5250 to 5350	Pass
					30	120	5309.920	5250 to 5350	Pass
					40	120	5309.960	5250 to 5350	Pass
					50	120	5309.960	5250 to 5350	Pass
		5510	RU484	Left	20	102	5510.000	5470 to 5725	Pass
						120	5510.000	5470 to 5725	Pass
						138	5509.960	5470 to 5725	Pass
					-30	120	5510.000	5470 to 5725	Pass
					-20	120	5510.000	5470 to 5725	Pass
					-10	120	5510.000	5470 to 5725	Pass
					0	120	5509.960	5470 to 5725	Pass
					10	120	5509.960	5470 to 5725	Pass
					30	120	5510.000	5470 to 5725	Pass
					40	120	5510.000	5470 to 5725	Pass
					50	120	5510.040	5470 to 5725	Pass
		5550	RU484	Left	20	102	5549.960	5470 to 5725	Pass
						120	5550.000	5470 to 5725	Pass
						138	5549.920	5470 to 5725	Pass
					-30	120	5550.000	5470 to 5725	Pass
					-20	120	5549.960	5470 to 5725	Pass
					-10	120	5549.960	5470 to 5725	Pass
					0	120	5550.000	5470 to 5725	Pass
					10	120	5550.000	5470 to 5725	Pass
					30	120	5550.000	5470 to 5725	Pass
					40	120	5550.080	5470 to 5725	Pass



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					50	120	5550.000	5470 to 5725	Pass
		5670	RU484	Left	20	102	5670.000	5470 to 5725	Pass
						120	5670.000	5470 to 5725	Pass
						138	5669.920	5470 to 5725	Pass
						-30	120	5670.000	5470 to 5725
					-20	120	5669.960	5470 to 5725	Pass
					-10	120	5670.000	5470 to 5725	Pass
					0	120	5670.000	5470 to 5725	Pass
					10	120	5669.920	5470 to 5725	Pass
					30	120	5669.960	5470 to 5725	Pass
					40	120	5669.920	5470 to 5725	Pass
					50	120	5669.960	5470 to 5725	Pass
		5755	RU484	Left	20	102	5754.960	5725 to 5850	Pass
						120	5754.920	5725 to 5850	Pass
						138	5754.960	5725 to 5850	Pass
					-30	120	5754.960	5725 to 5850	Pass
					-20	120	5754.920	5725 to 5850	Pass
					-10	120	5754.960	5725 to 5850	Pass
					0	120	5754.960	5725 to 5850	Pass
					10	120	5754.960	5725 to 5850	Pass
					30	120	5755.000	5725 to 5850	Pass
					40	120	5754.960	5725 to 5850	Pass
					50	120	5754.960	5725 to 5850	Pass
		5795	RU484	Left	20	102	5794.960	5725 to 5850	Pass
						120	5795.000	5725 to 5850	Pass
						138	5794.840	5725 to 5850	Pass
					-30	120	5794.960	5725 to 5850	Pass
					-20	120	5794.920	5725 to 5850	Pass
					-10	120	5794.960	5725 to 5850	Pass
					0	120	5794.920	5725 to 5850	Pass
					10	120	5794.920	5725 to 5850	Pass
					30	120	5795.040	5725 to 5850	Pass
					40	120	5795.000	5725 to 5850	Pass
					50	120	5794.960	5725 to 5850	Pass

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6. DFS-Signal Calibration

6.1 Test Result

6.1.1 SC

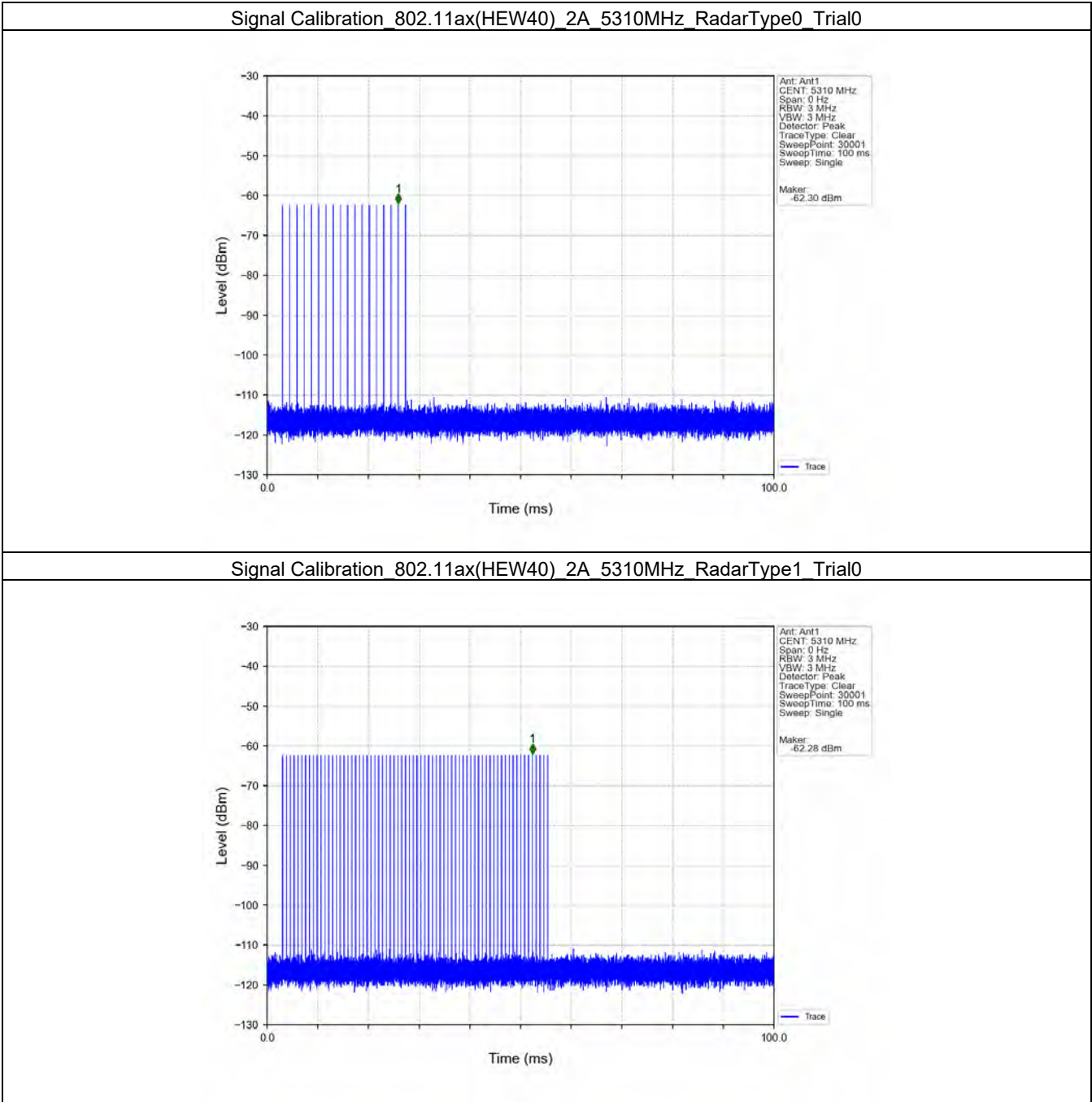
Band: 2A							
Mode	Bandwidth (MHz)	Frequency (MHz)	Radar Signal		Signal Calibration		Verdict
			Type	Trial Id	Result	Limit	
802.11ax (HEW40)	40	5310	0	0	Refer To Test Graph		Pass
			1	0	Refer To Test Graph		Pass
			2	0	Refer To Test Graph		Pass
			3	0	Refer To Test Graph		Pass
			4	0	Refer To Test Graph		Pass
			5	0	Refer To Test Graph		Pass
			6	0	Refer To Test Graph		Pass

6.1.2 SC

Band: 2C							
Mode	Bandwidth (MHz)	Frequency (MHz)	Radar Signal		Signal Calibration		Verdict
			Type	Trial Id	Result	Limit	
802.11ax (HEW40)	40	5510	0	0	Refer To Test Graph		Pass
			1	0	Refer To Test Graph		Pass
			2	0	Refer To Test Graph		Pass
			3	0	Refer To Test Graph		Pass
			4	0	Refer To Test Graph		Pass
			5	0	Refer To Test Graph		Pass
			6	0	Refer To Test Graph		Pass

6.2 Test Graph

6.2.1 SC



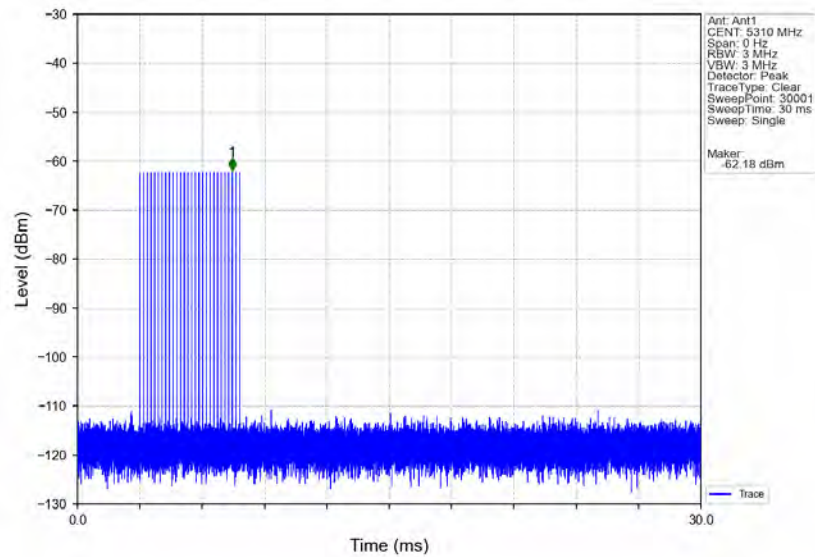
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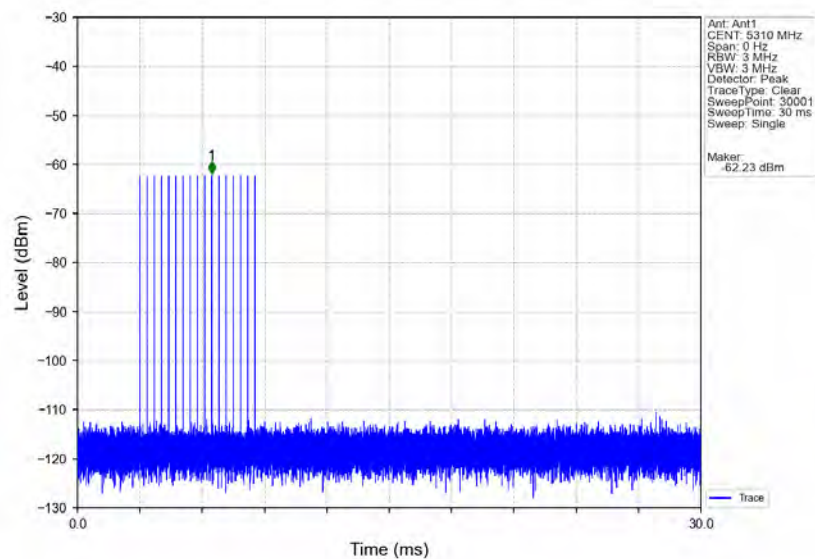
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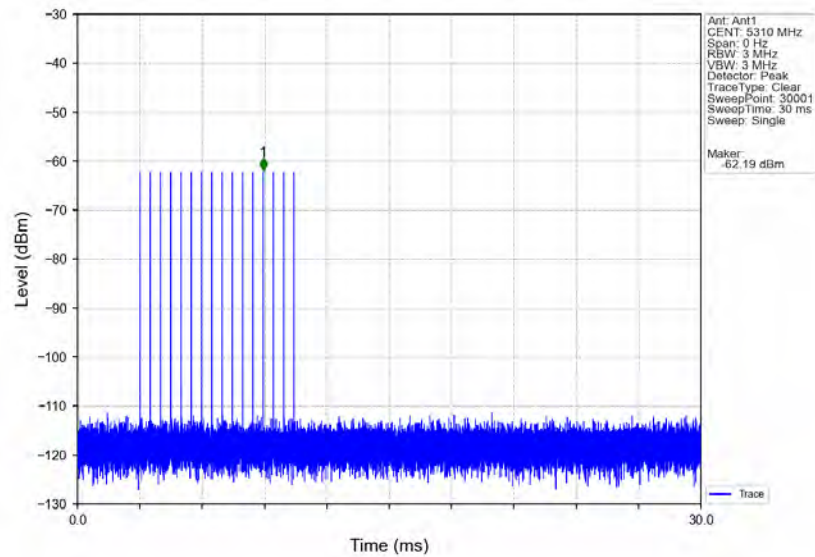
Signal Calibration 802.11ax(HEW40) 2A 5310MHz RadarType2 Trial0



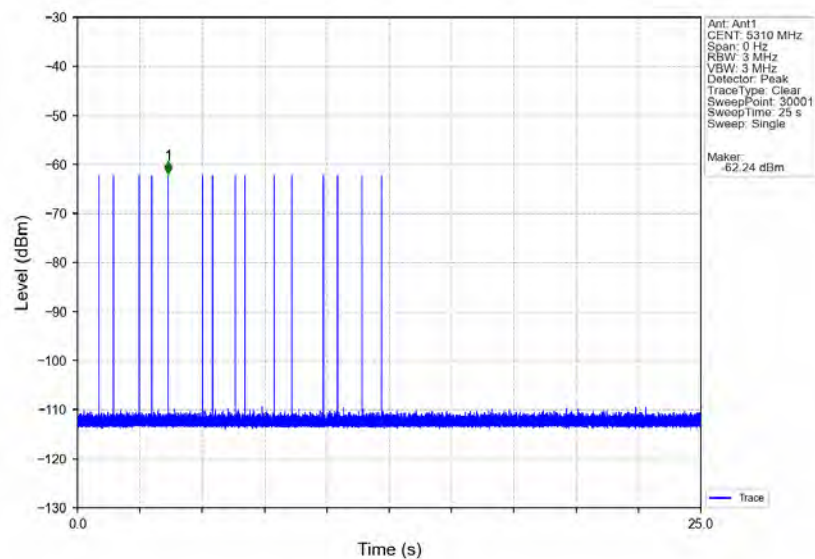
Signal Calibration 802.11ax(HEW40) 2A 5310MHz RadarType3 Trial0



Signal Calibration 802.11ax(HEW40) 2A 5310MHz RadarType4 Trial0



Signal Calibration 802.11ax(HEW40) 2A 5310MHz RadarType5 Trial0





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