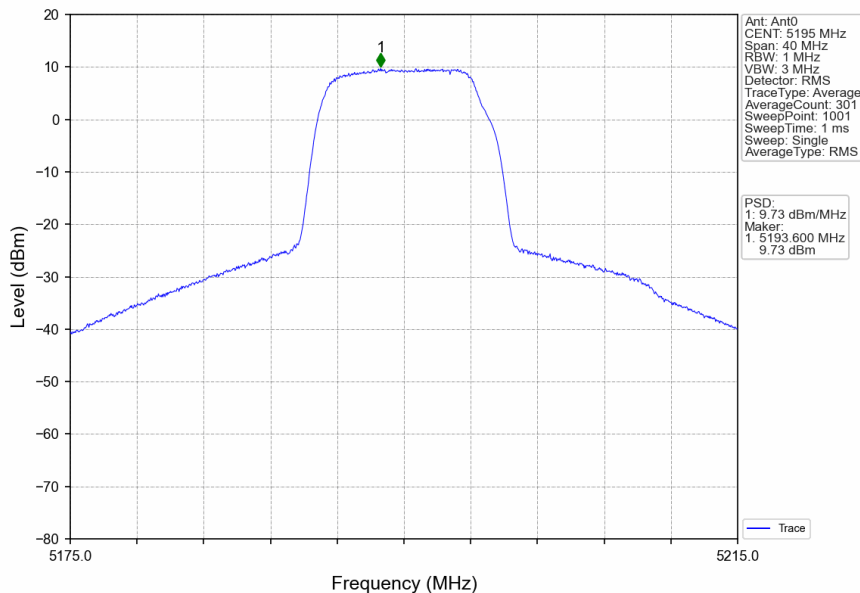
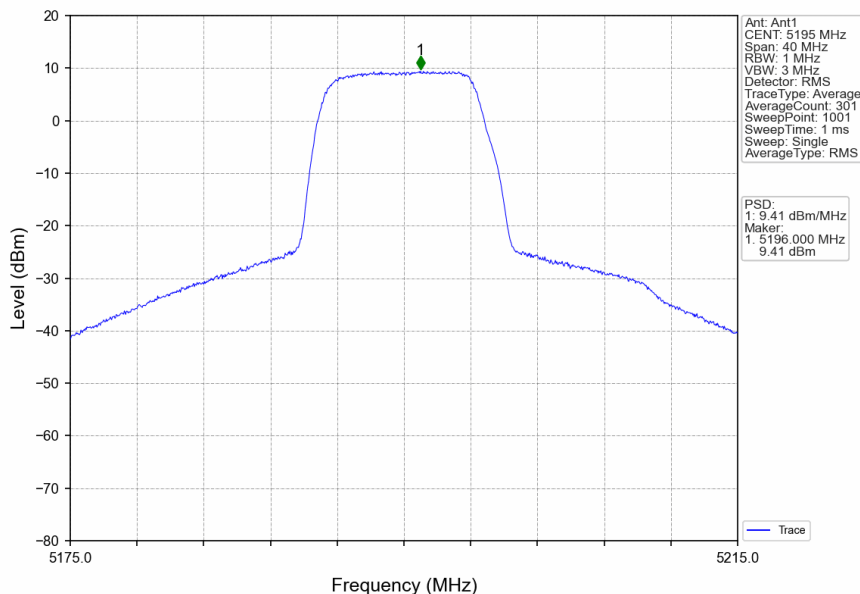


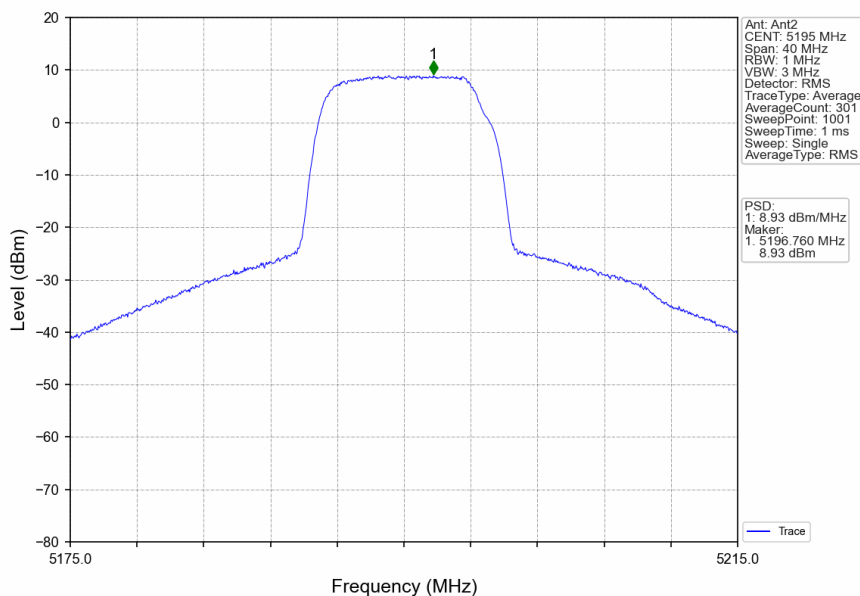
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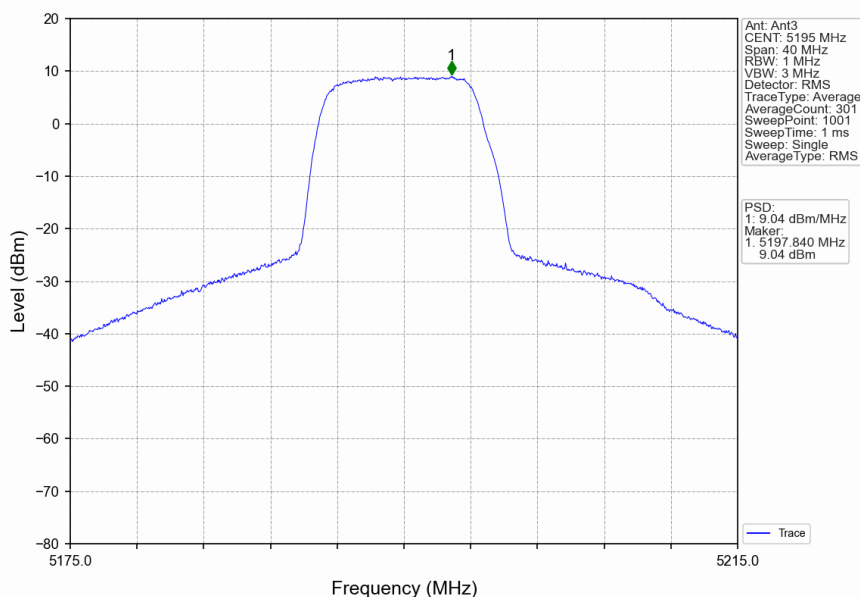
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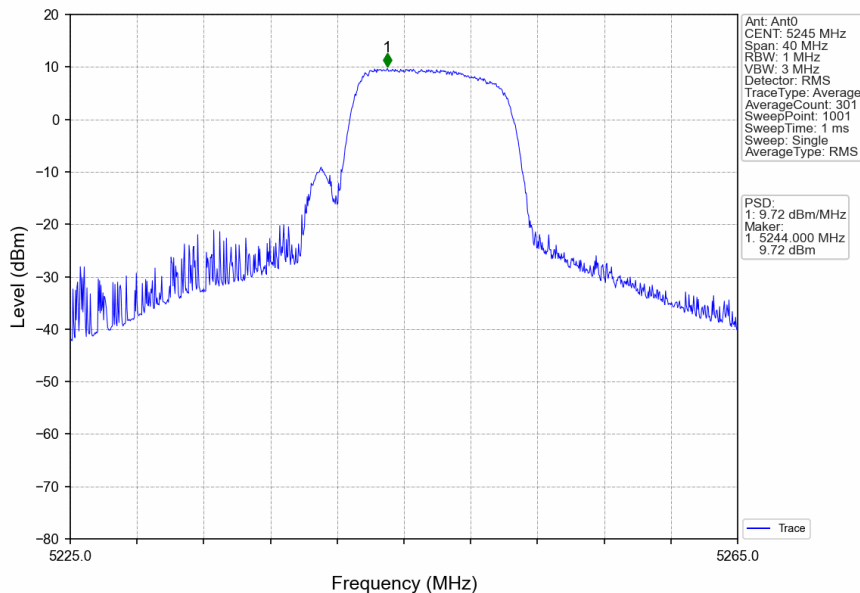
20M RU_Left_MCH_5195MHz_Ant2_NTNV



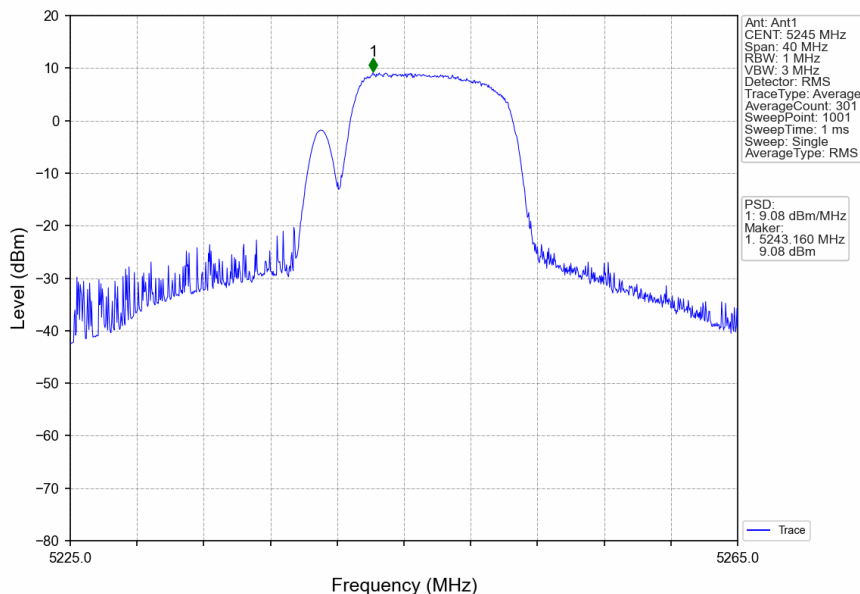
20M RU_Left_MCH_5195MHz_Ant3_NTNV



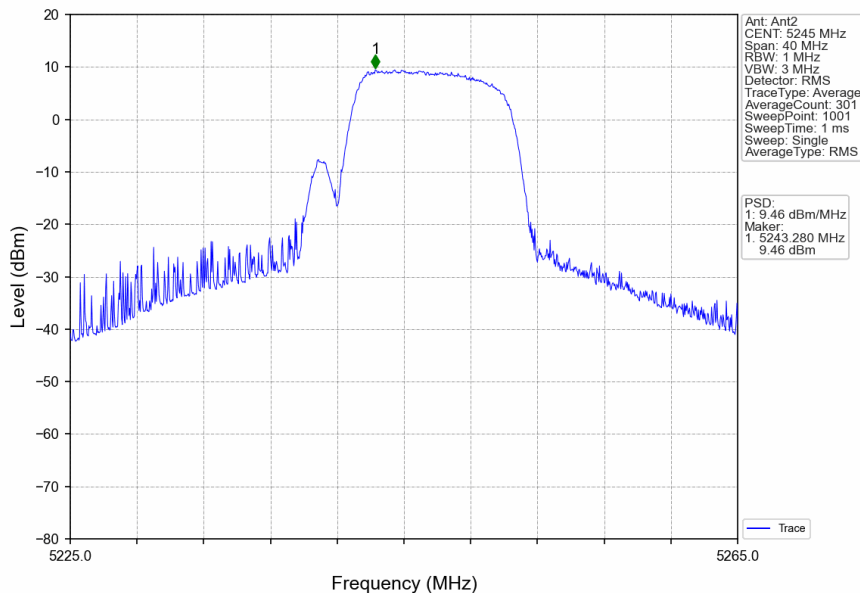
20M RU_Right_HCH_5245MHz_Ant0_NTNV



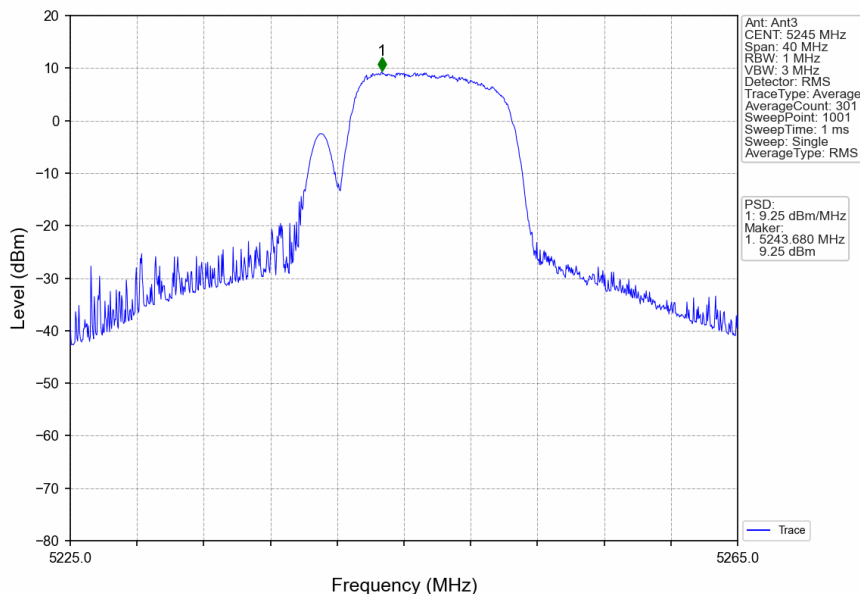
20M RU_Right_HCH_5245MHz_Ant1_NTNV



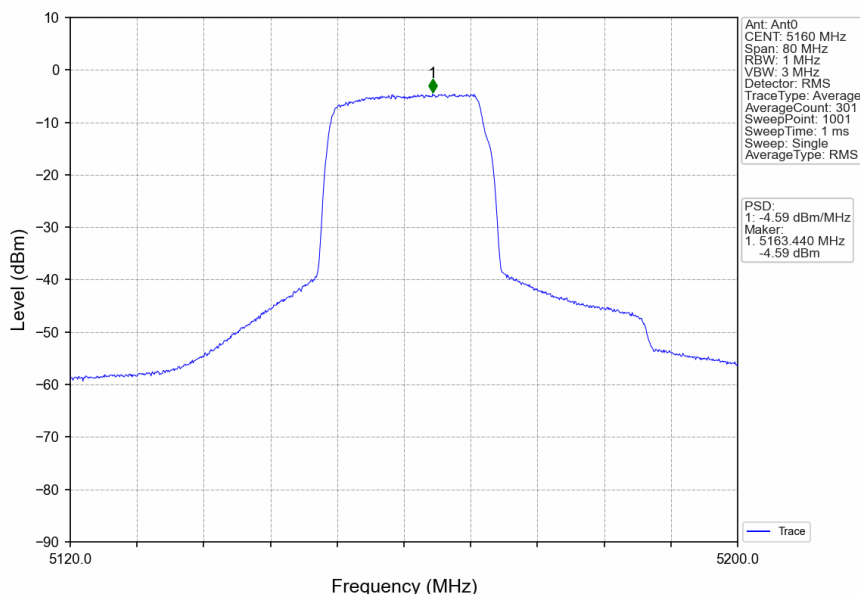
20M RU_Right_HCH_5245MHz_Ant2_NTNV



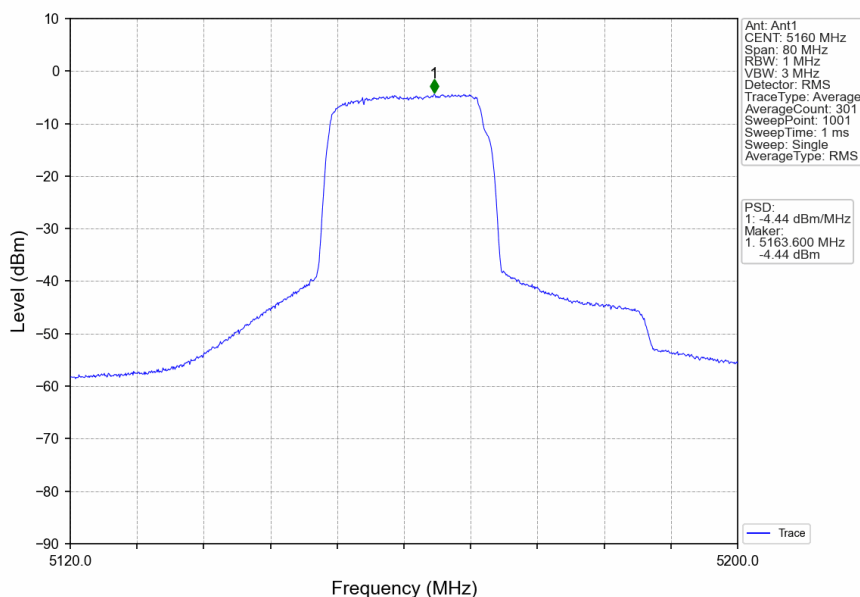
20M RU_Right_HCH_5245MHz_Ant3_NTNV



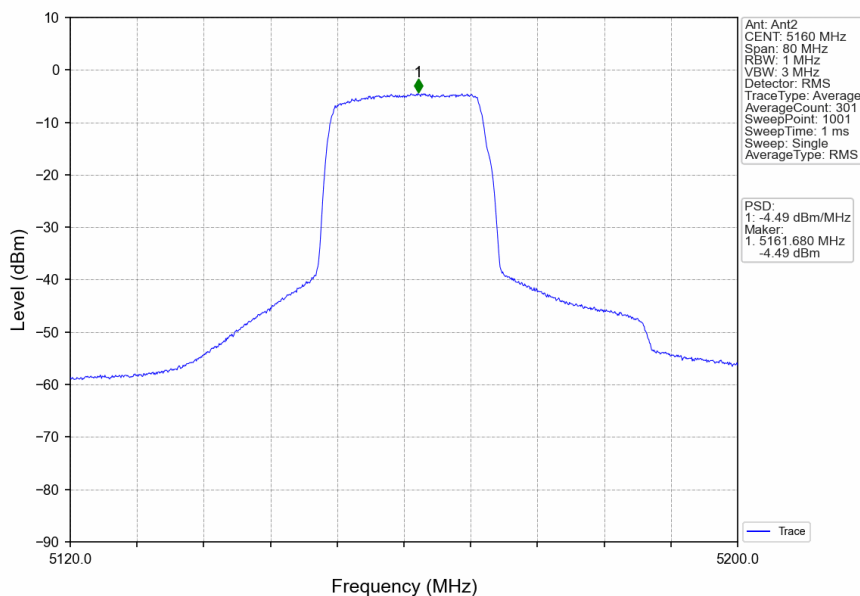
40M RU_Left_LCH_5160MHz_Ant0_NTNV



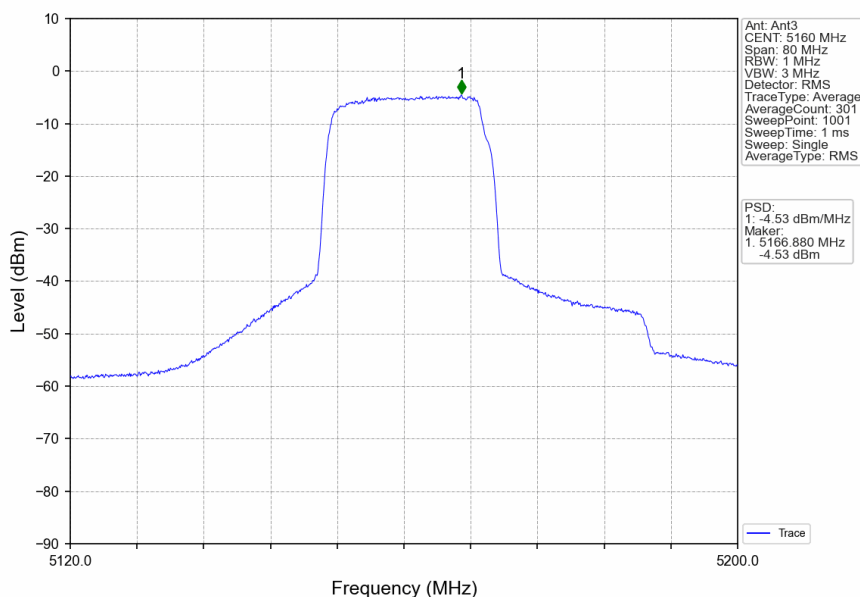
40M RU_Left_LCH_5160MHz_Ant1_NTNV



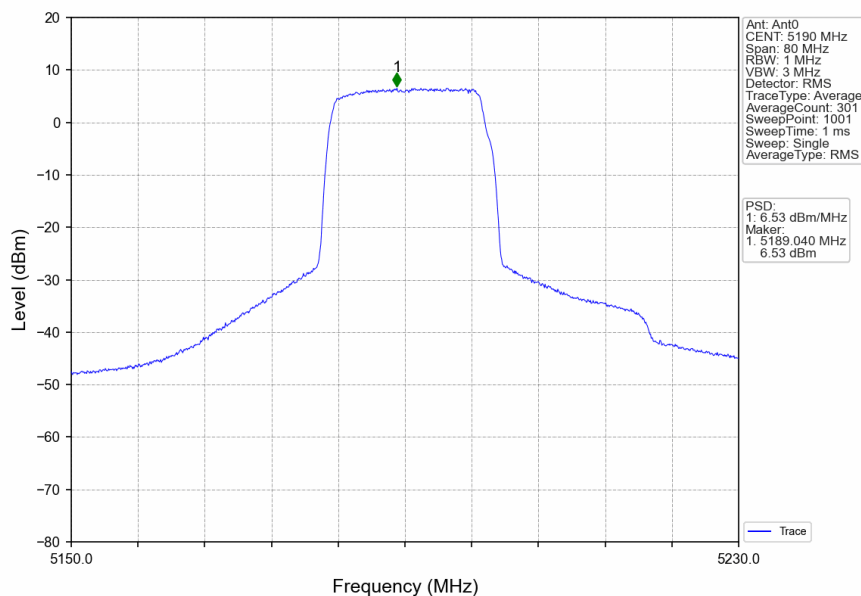
40M RU_Left_LCH_5160MHz_Ant2_NTNV



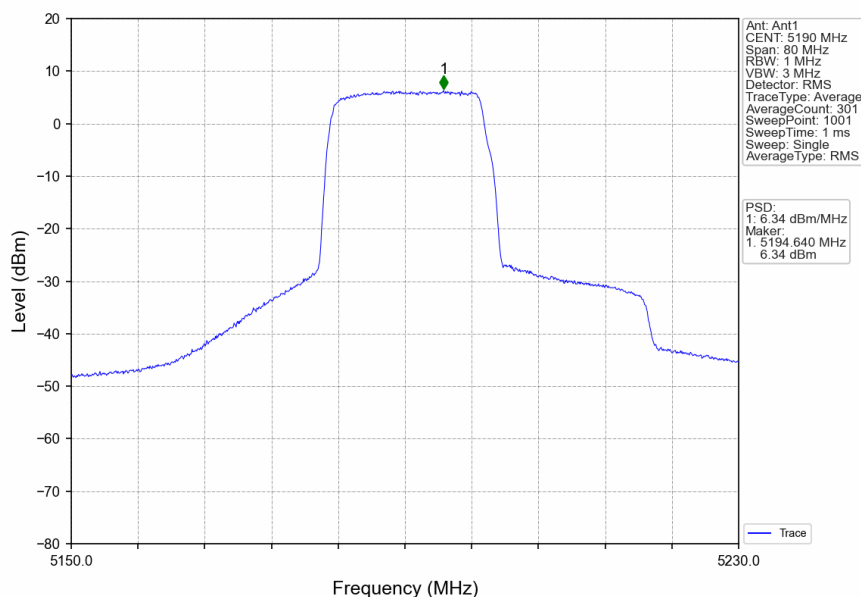
40M RU_Left_LCH_5160MHz_Ant3_NTNV



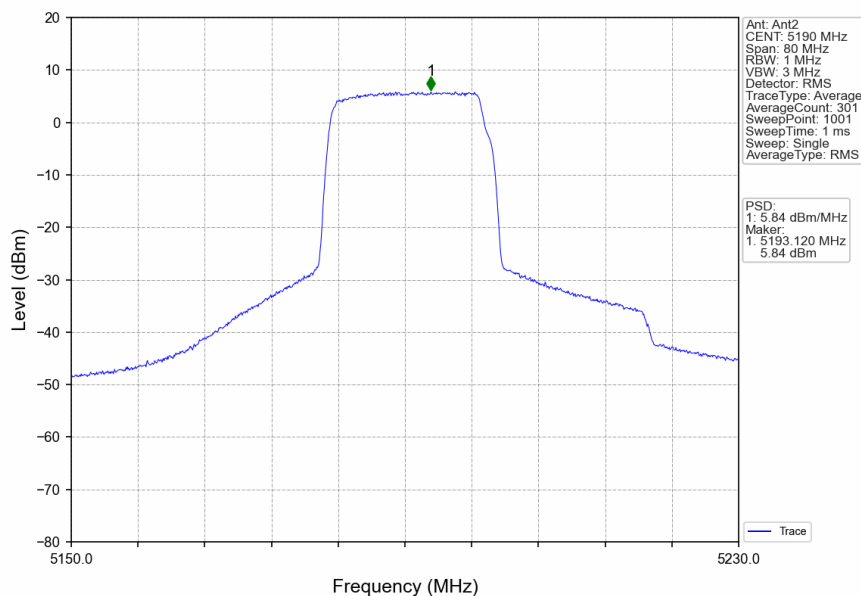
40M RU_Left_MCH_5190MHz_Ant0_NTNV



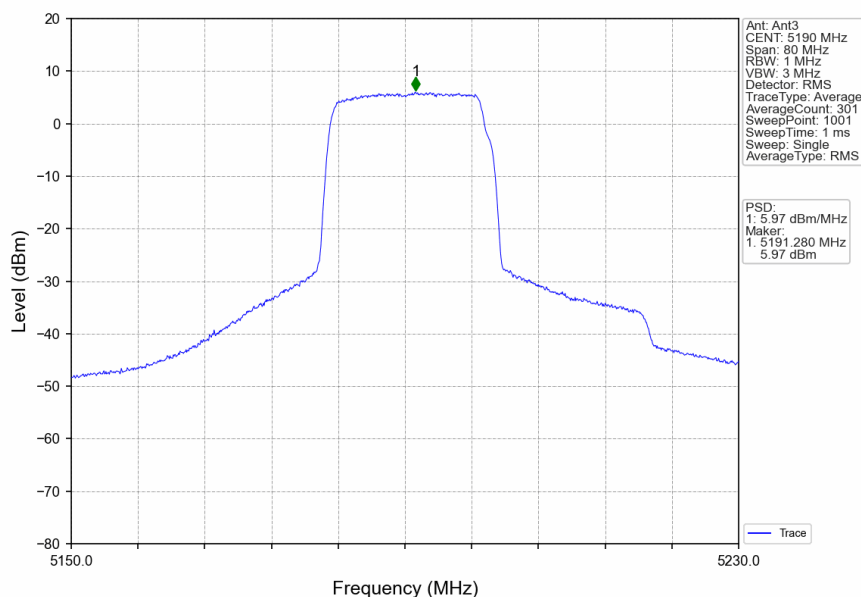
40M RU_Left_MCH_5190MHz_Ant1_NTNV



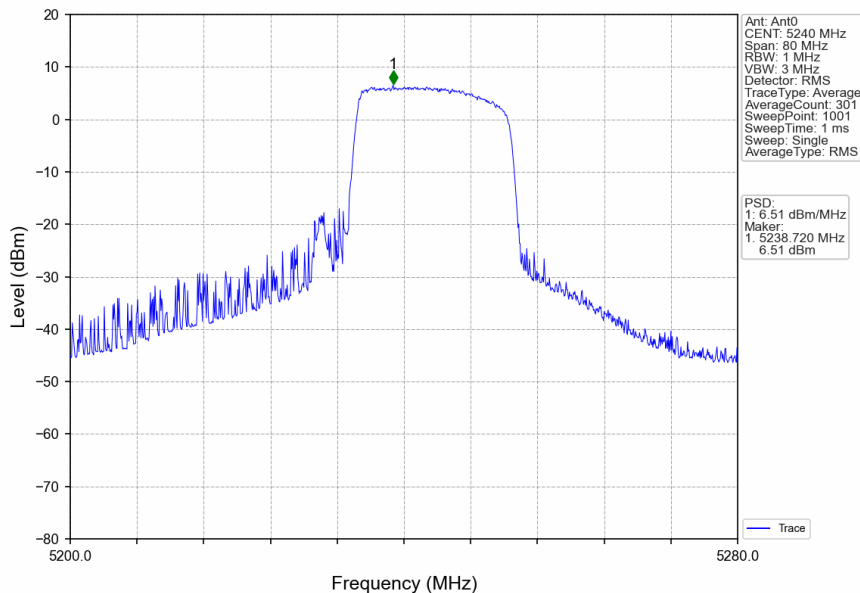
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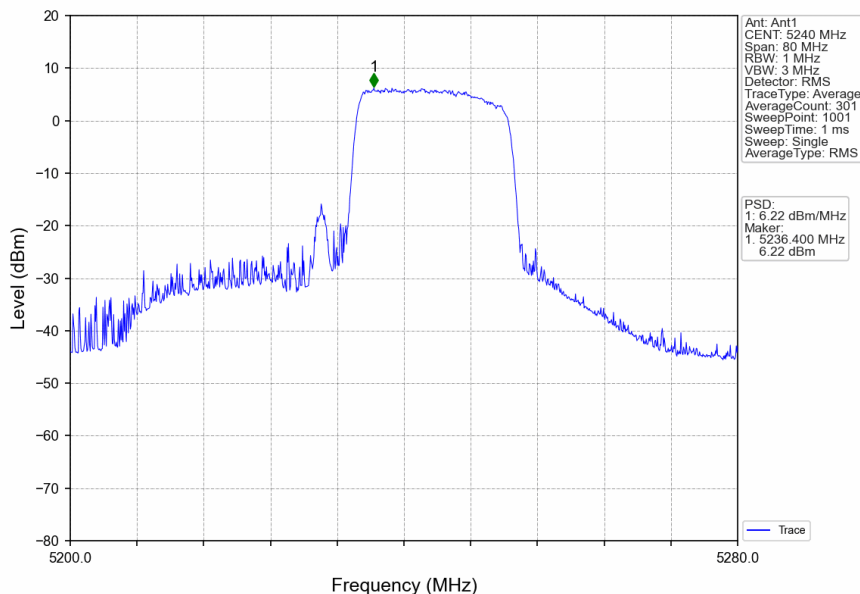
40M RU_Left_MCH_5190MHz_Ant3_NTNV



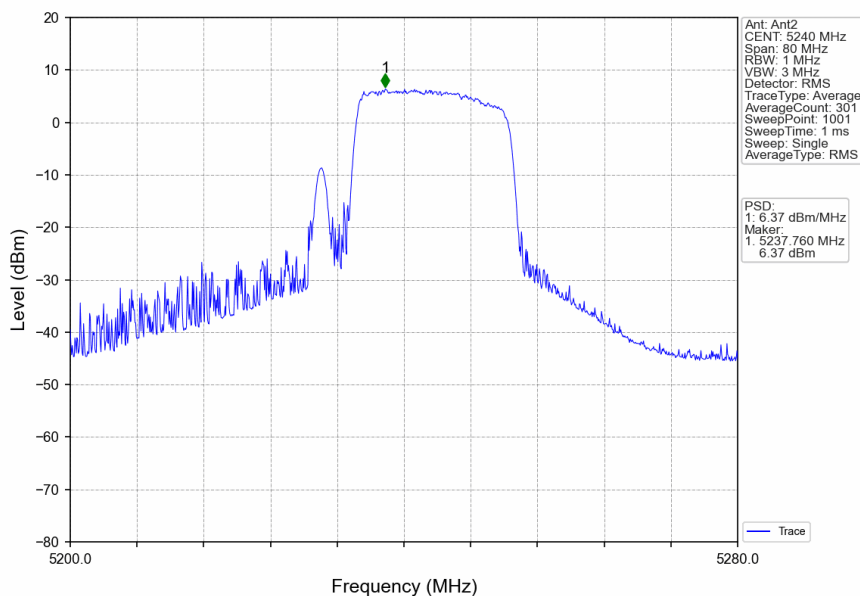
40M RU_Right_HCH_5240MHz_Ant0_NTNV



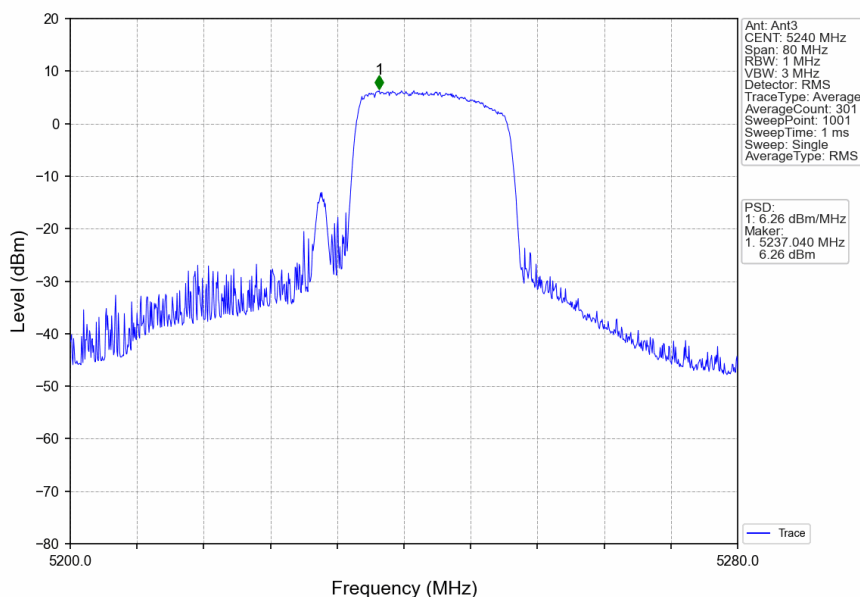
40M RU_Right_HCH_5240MHz_Ant1_NTNV



40M RU_Right_HCH_5240MHz_Ant2_NTNV



40M RU_Right_HCH_5240MHz_Ant3_NTNV



5.1G SDR Partial mode: MIMO

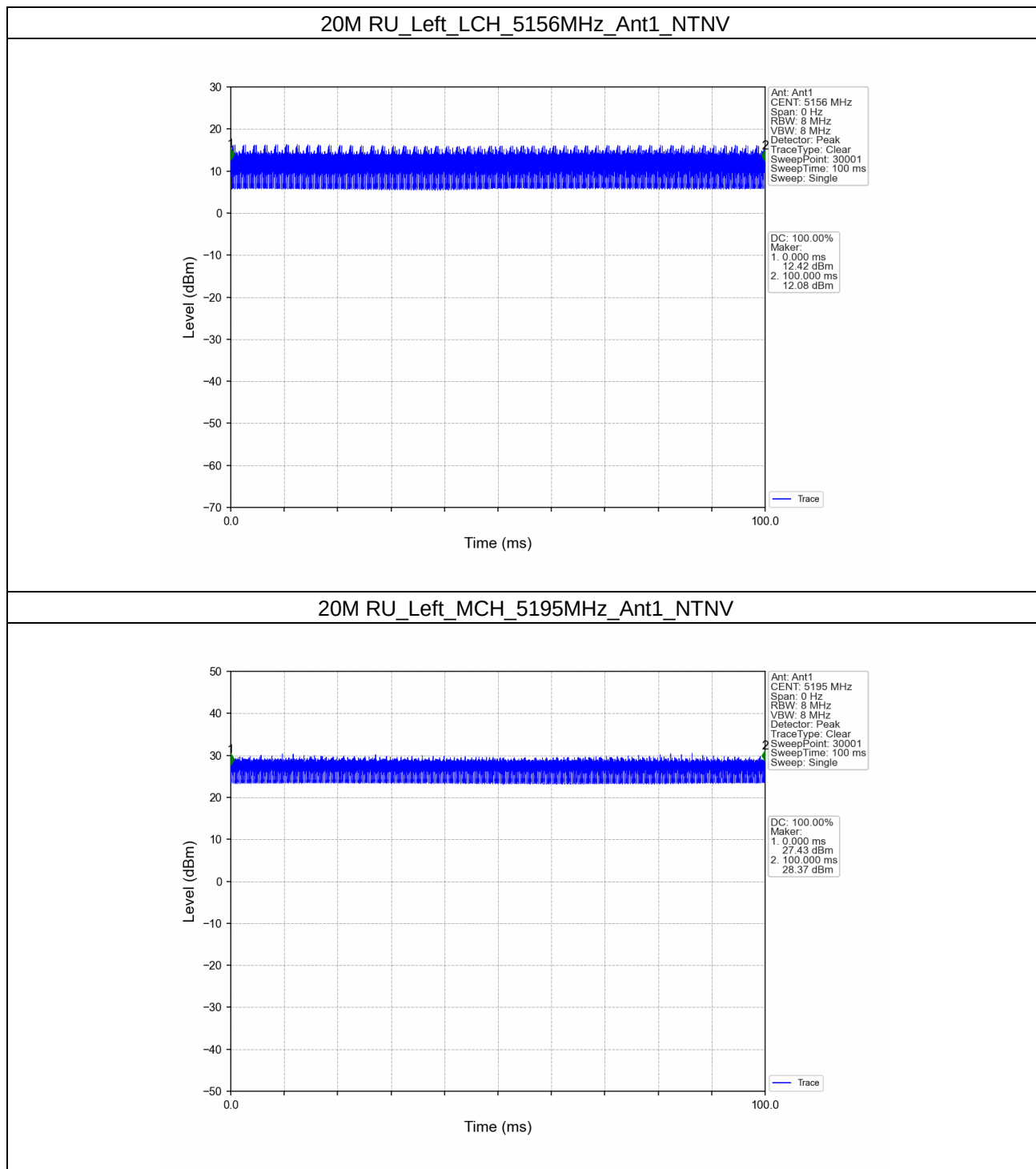
1. Duty Cycle

1.1 Ant1

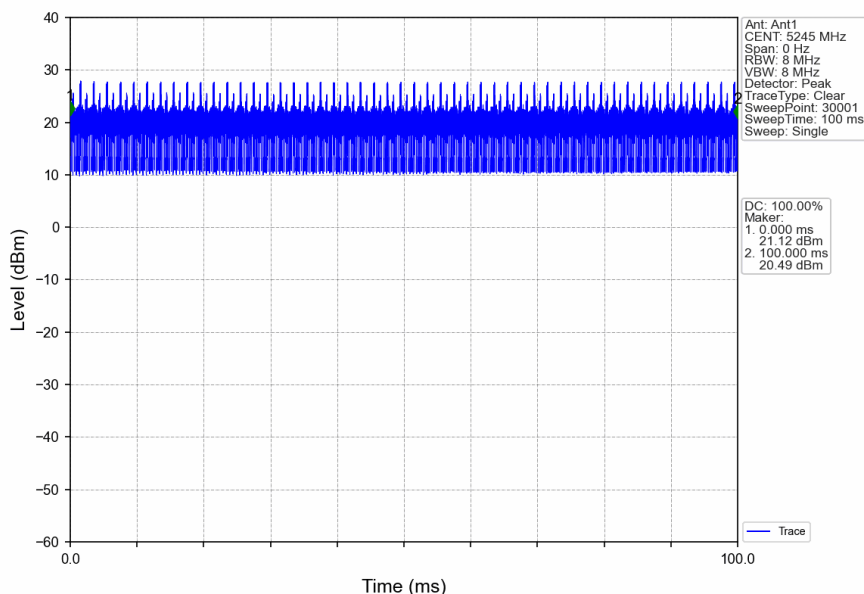
1.1.1 Test Result

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
20M RU	MIMO	5156	100.000	100.000	100.00	0.00	0.00
		5195	100.000	100.000	100.00	0.00	0.00
		5245	100.000	100.000	100.00	0.00	0.00
40M RU	MIMO	5160	100.000	100.000	100.00	0.00	0.00
		5190	100.000	100.000	100.00	0.00	0.00
		5240	100.000	100.000	100.00	0.00	0.00

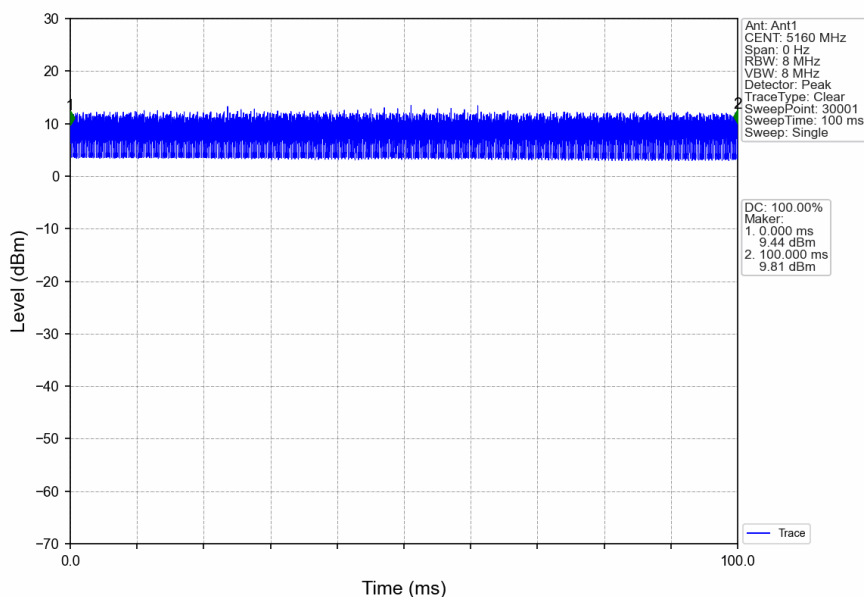
1.1.2 Test Graph



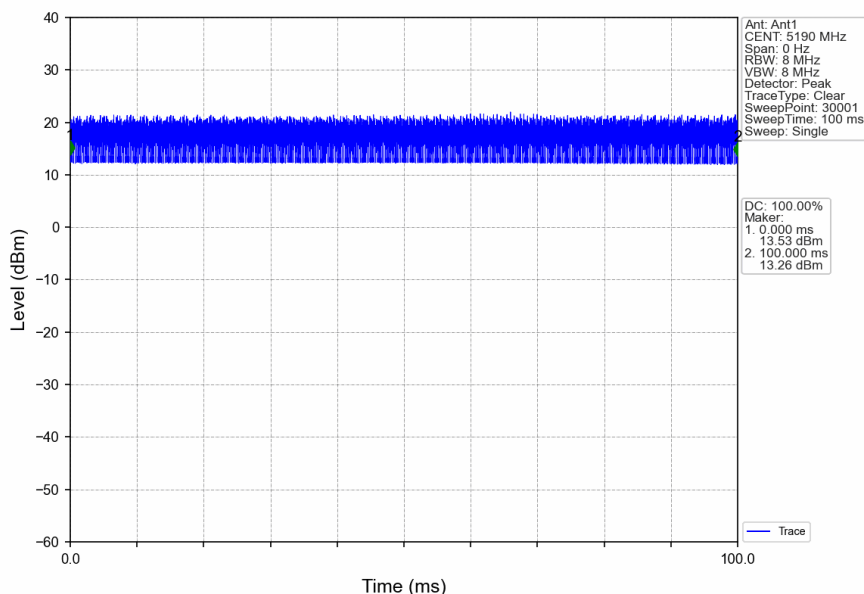
20M RU_Right_HCH_5245MHz_Ant1_NTNV



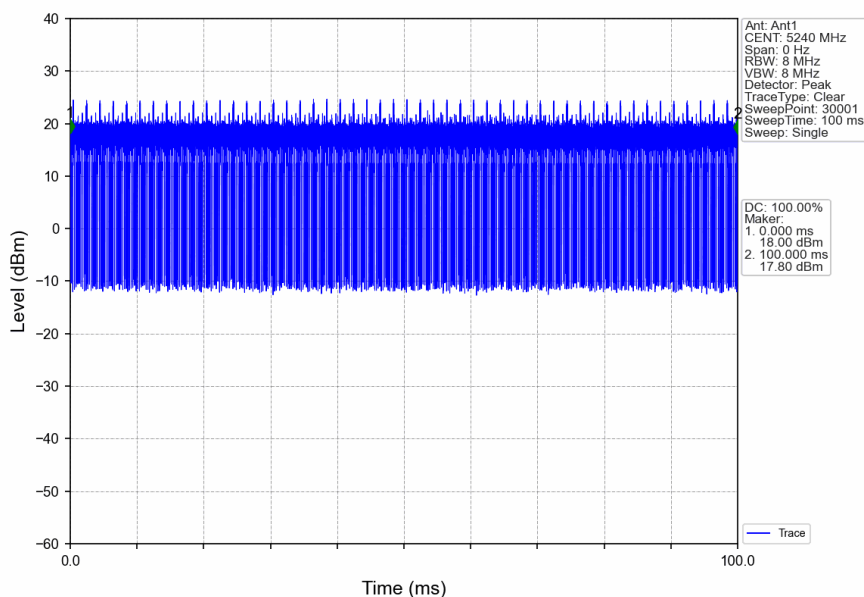
40M RU_Left_LCH_5160MHz_Ant1_NTNV



40M RU_Left_MCH_5190MHz_Ant1_NTNV



40M RU_Right_HCH_5240MHz_Ant1_NTNV



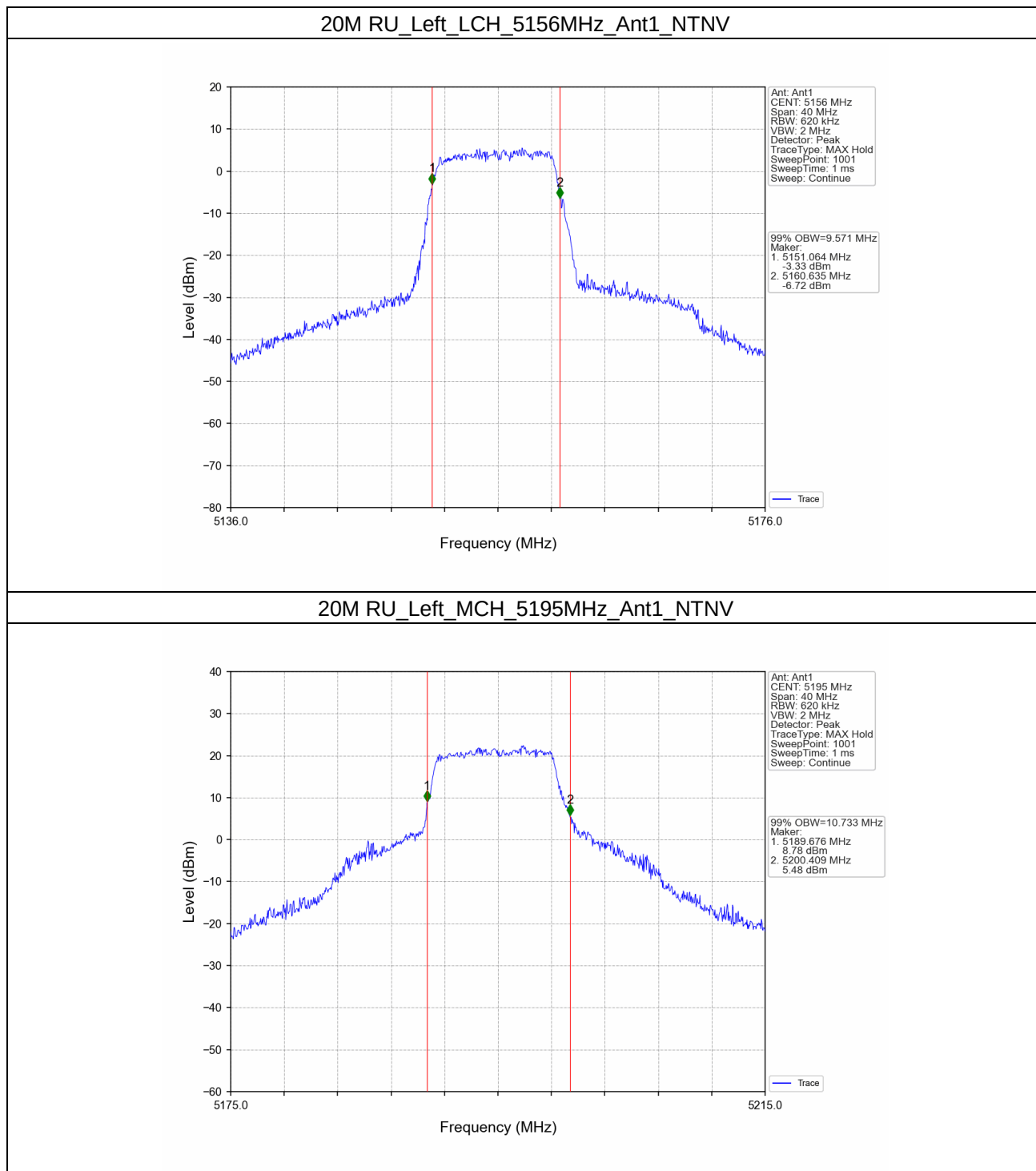
2. Bandwidth

2.1 OBW

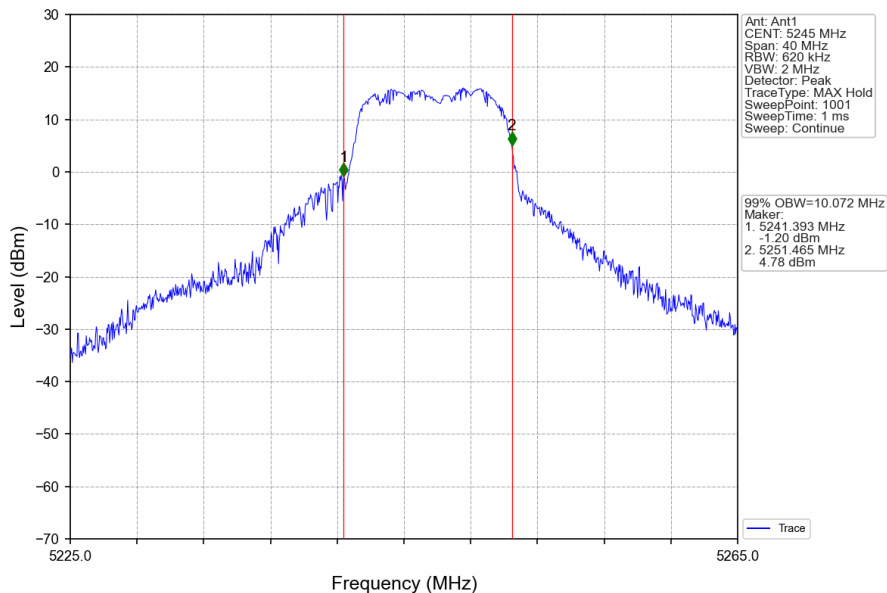
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
20M RU	MIMO	5156	1	9.571	Pass
		5195	1	10.733	Pass
		5245	1	10.072	Pass
40M RU	MIMO	5160	1	18.698	Pass
		5190	1	18.712	Pass
		5240	1	15.245	Pass

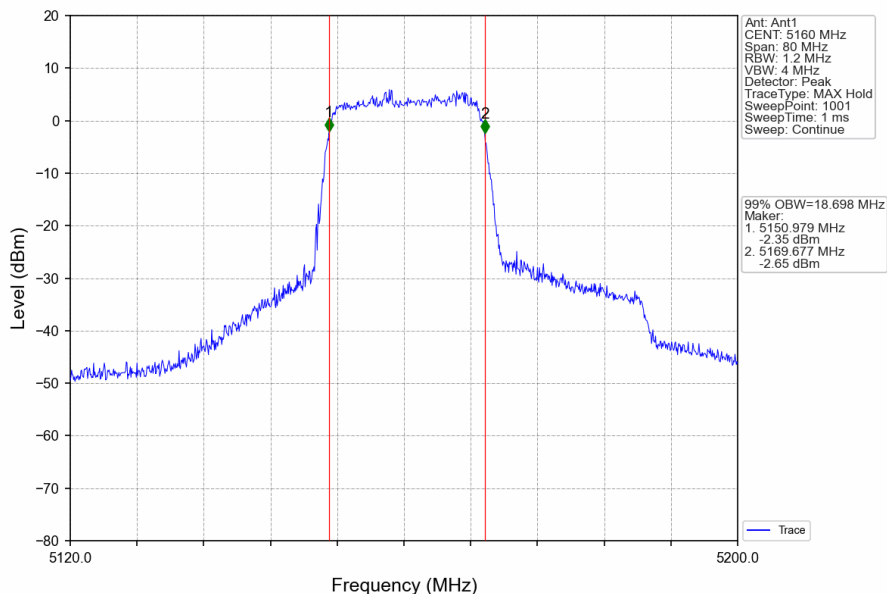
2.1.2 Test Graph



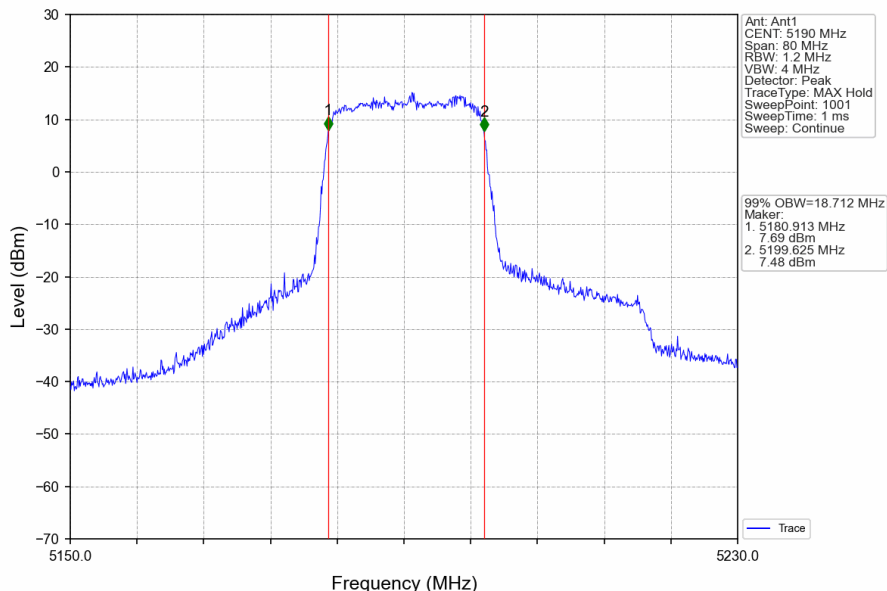
20M RU_Right_HCH_5245MHz_Ant1_NTNV



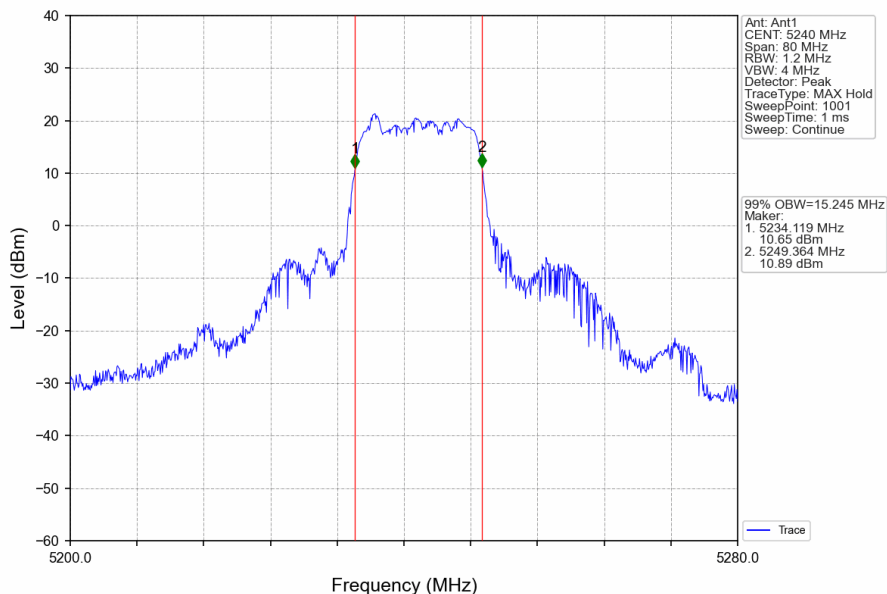
40M RU_Left_LCH_5160MHz_Ant1_NTNV



40M RU_Left_MCH_5190MHz_Ant1_NTNV



40M RU_Right_HCH_5240MHz_Ant1_NTNV



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2.2 26dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
20M RU	MIMO	5156	1	10.806	Pass
		5195	1	17.895	Pass
		5245	1	14.172	Pass
40M RU	MIMO	5160	1	20.424	Pass
		5190	1	20.553	Pass
		5240	1	20.512	Pass



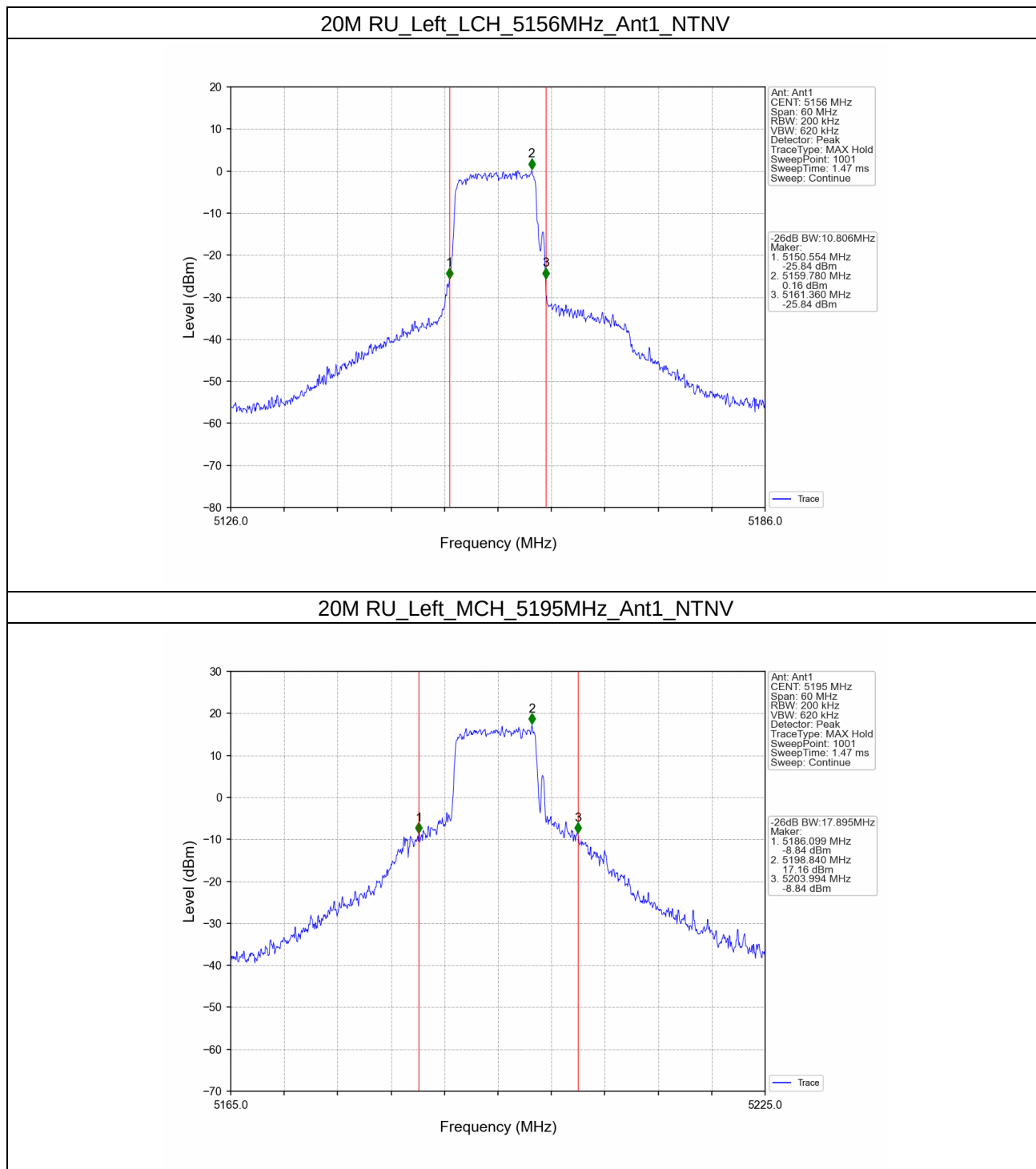
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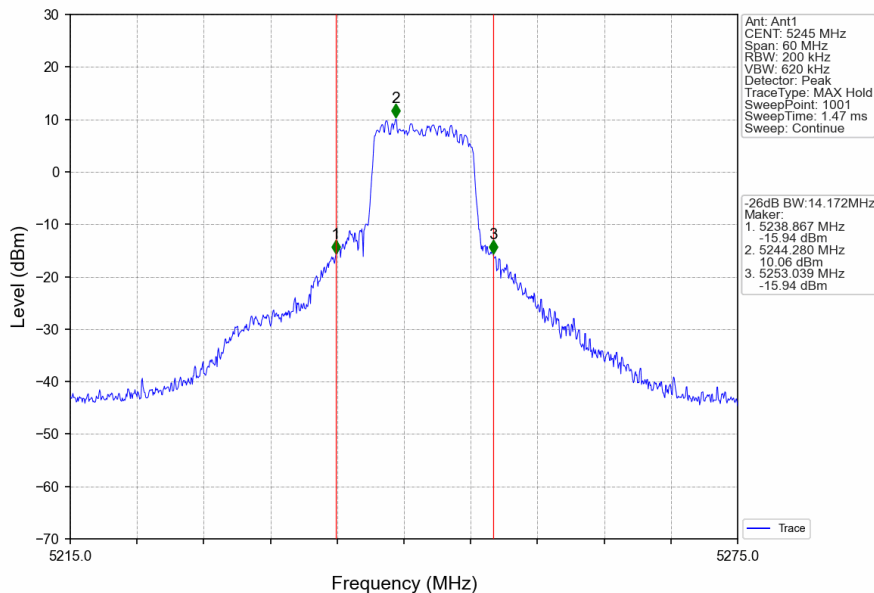
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch Testing Center Laboratory

No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 f (86-755) 26710594 www.sgs.com.cn
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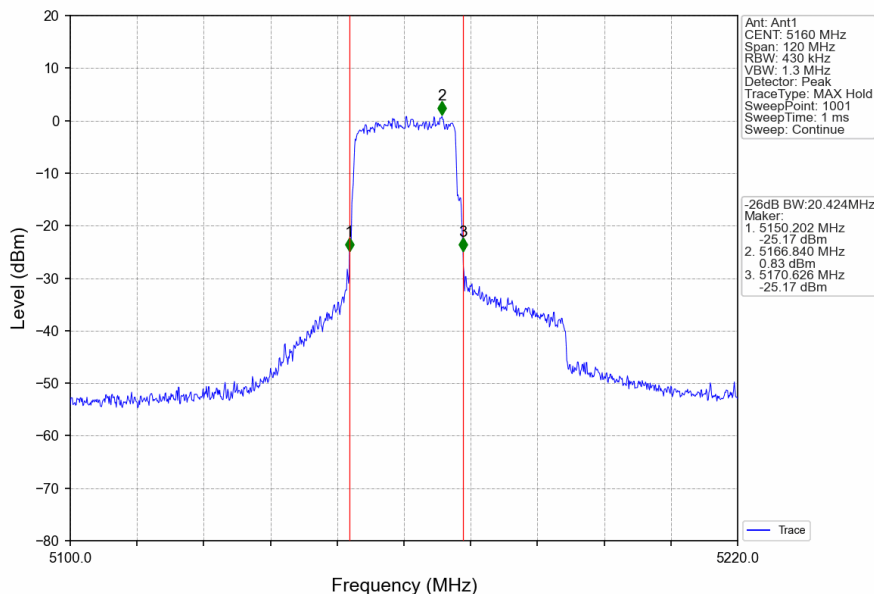
2.2.2 Test Graph



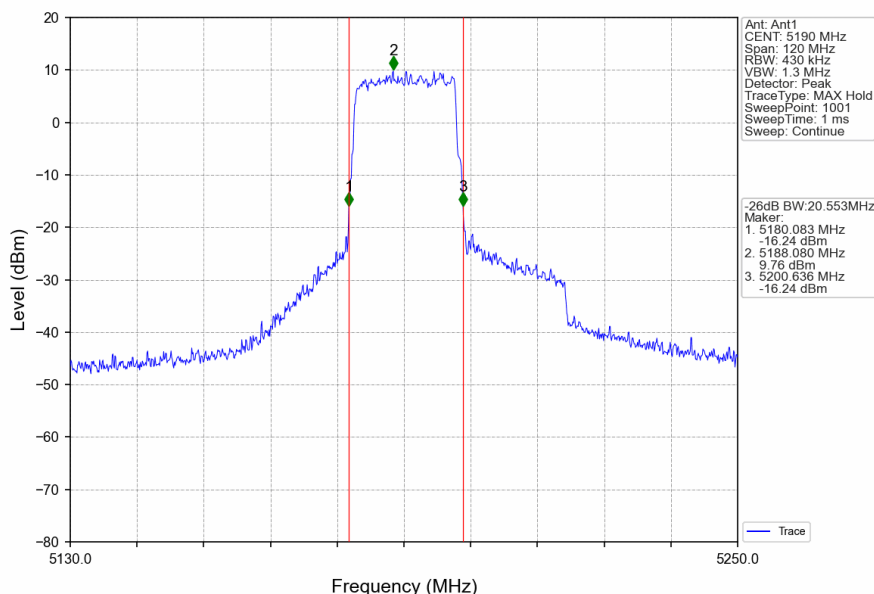
20M RU_Right_HCH_5245MHz_Ant1_NTNV



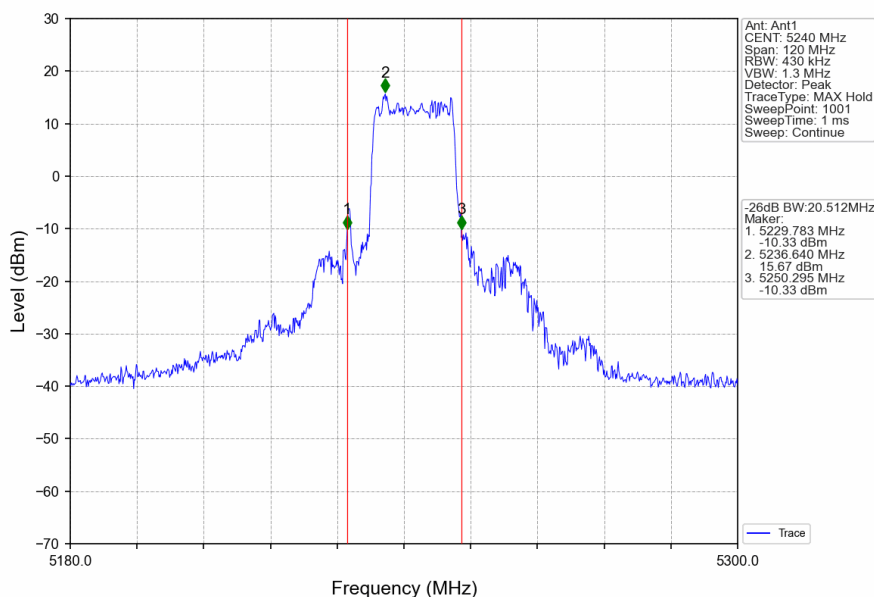
40M RU_Left_LCH_5160MHz_Ant1_NTNV



40M RU_Left_MCH_5190MHz_Ant1_NTNV



40M RU_Right_HCH_5240MHz_Ant1_NTNV



3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)				Verdict
			ANT1	ANT2	MIMO	Limit	
20M RU	MIMO	5156	3.44	2.91	6.19	≤ 23.98	Pass
		5195	14.93	14.51	17.74	≤ 23.98	Pass
		5245	14.59	14.41	17.51	≤ 23.98	Pass
40M RU	MIMO	5160	5.48	5.15	8.33	≤ 23.98	Pass
		5190	14.96	14.55	17.77	≤ 23.98	Pass
		5240	14.26	14.01	17.15	≤ 23.98	Pass

Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;
Directional gain (dBi) = gain of individual transmit antennas (dBi) + array gain (dB)=3dBi
Array Gain = 0 dB for $N_{ANT} \leq 4$

4. Maximum Power Spectral Density

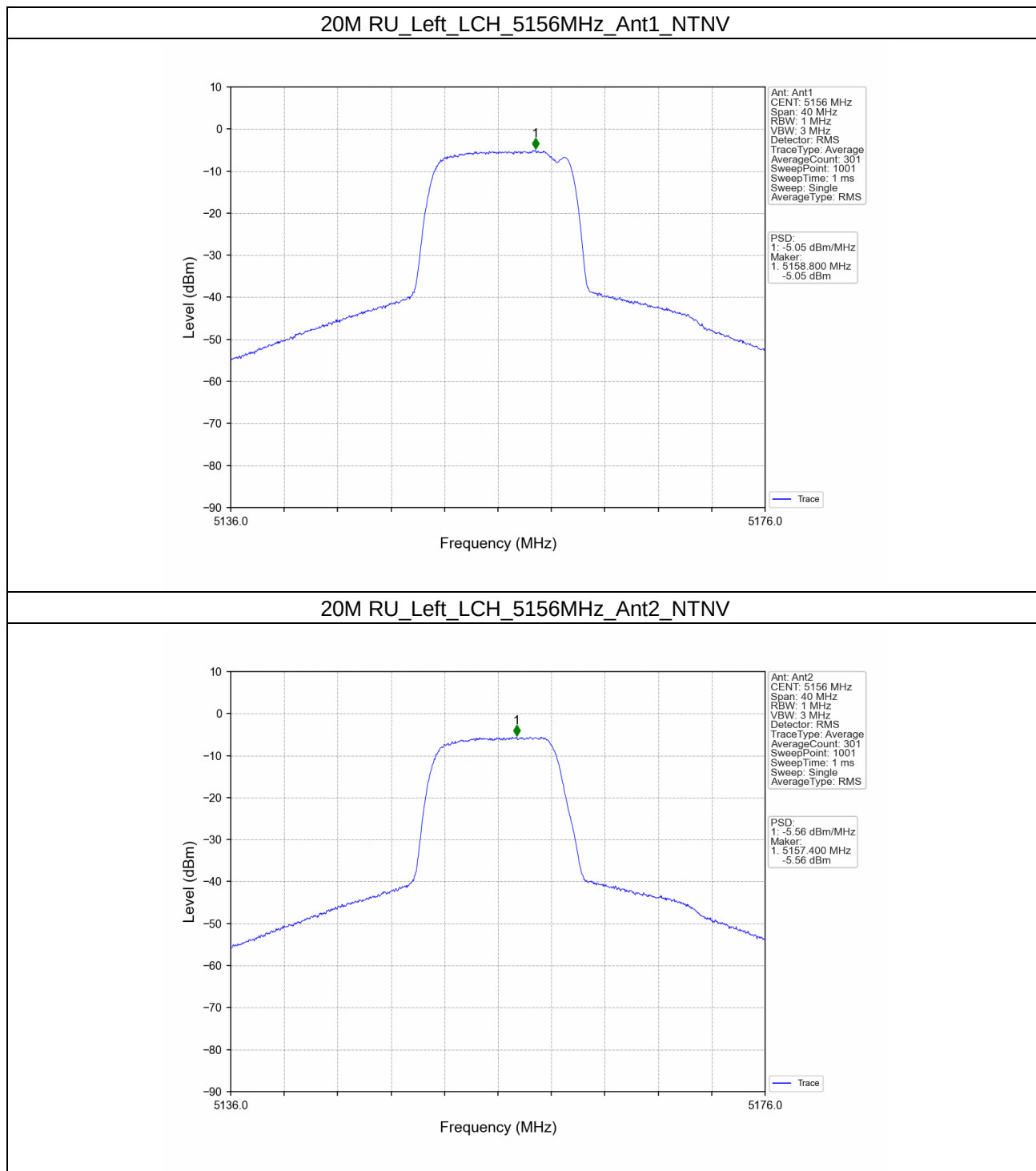
4.1 PSD

4.1.1 Test Result

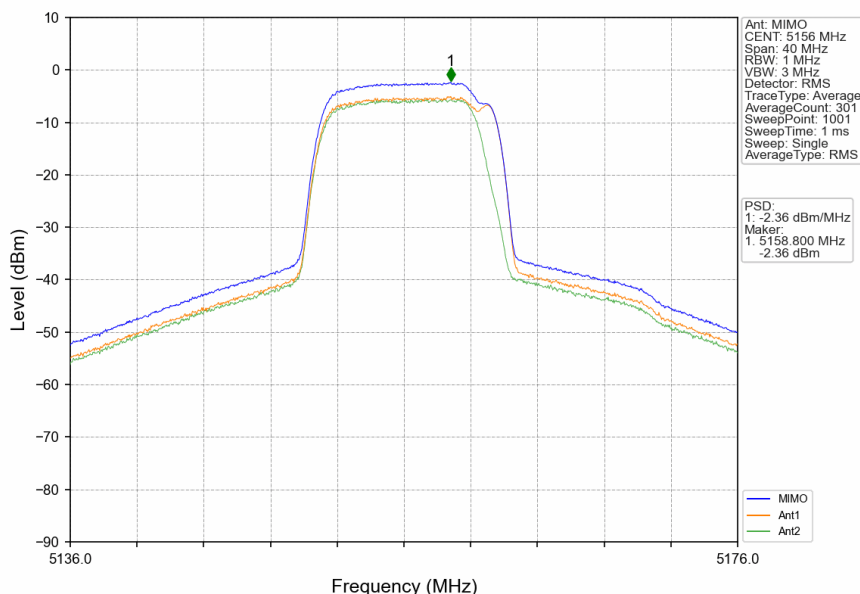
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
20M RU	MIMO	5156	-5.05	-5.56	-2.36	≤ 10.99	Pass
		5195	6.27	5.85	8.96	≤ 10.99	Pass
		5245	6.83	6.63	9.49	≤ 10.99	Pass
40M RU	MIMO	5160	-5.87	-6.31	-3.18	≤ 10.99	Pass
		5190	3.39	3.00	6.05	≤ 10.99	Pass
		5240	3.35	2.70	5.77	≤ 10.99	Pass

Note1: Antenna Gain: Ant1: 3.00dBi; Ant2: 3.00dBi;
Directional gain (dBi) = gain of individual transmit antennas (dBi) + array gain (dB)=6.01dBi
Array gain = $10 \log(N_{ANT})$, where N_{ANT} is the number of transmit antennas

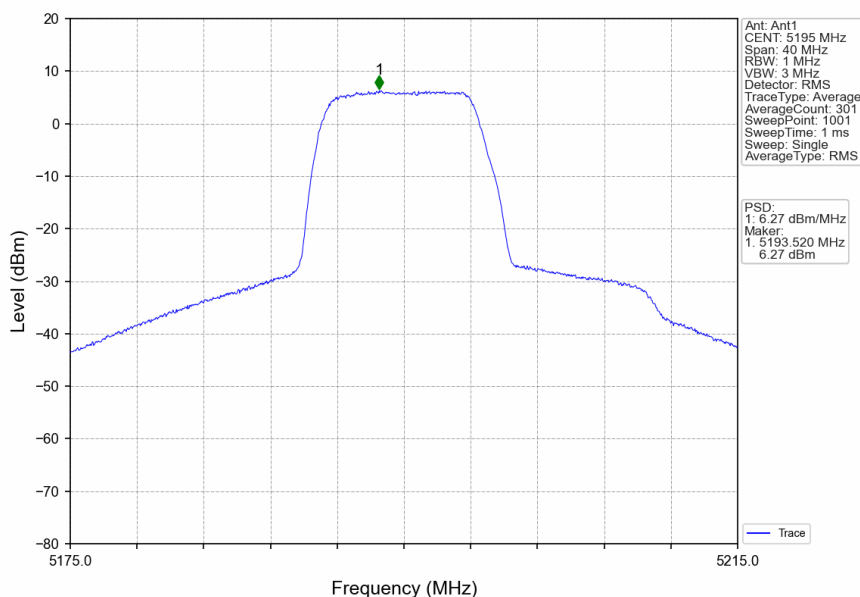
4.1.2 Test Graph



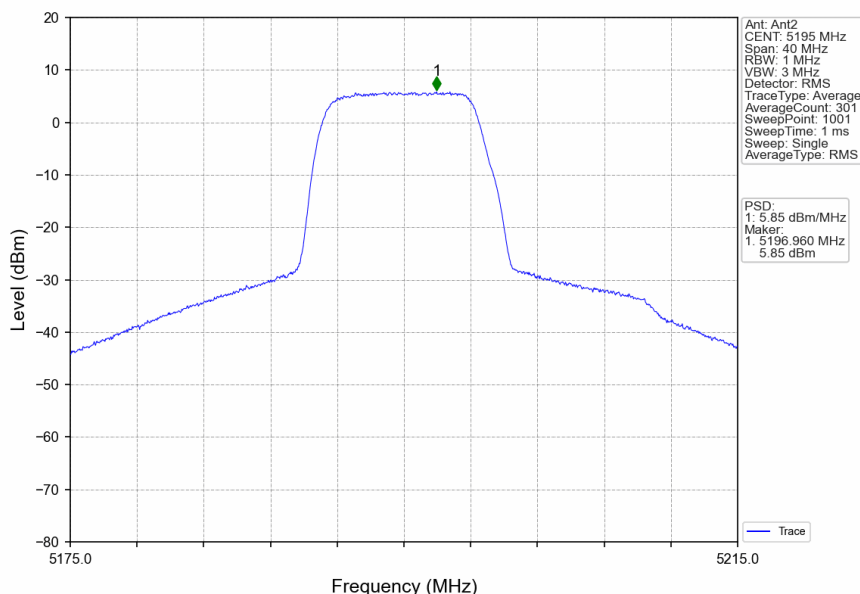
20M RU_Left_LCH_5156MHz_MIMO_NTNV



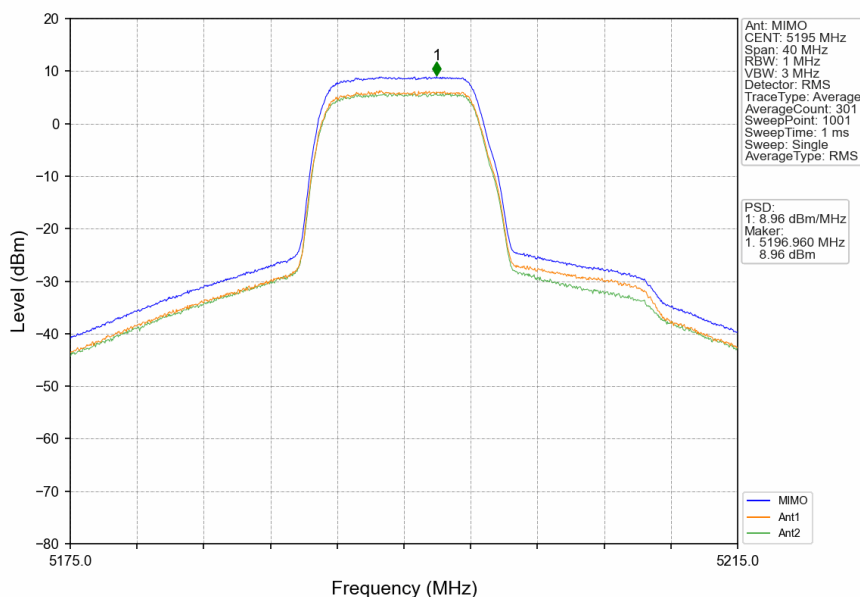
20M RU_Left_MCH_5195MHz_Ant1_NTNV



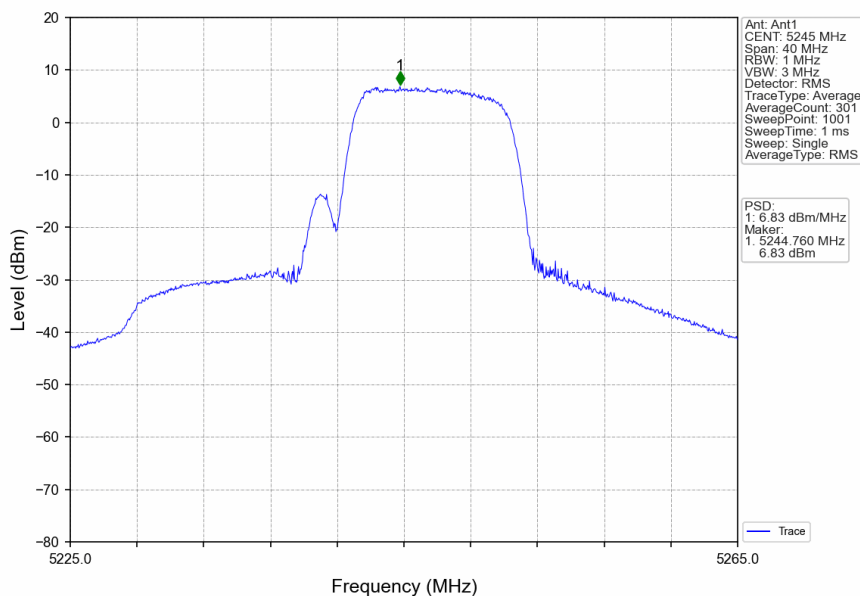
20M RU_Left_MCH_5195MHz_Ant2_NTNV



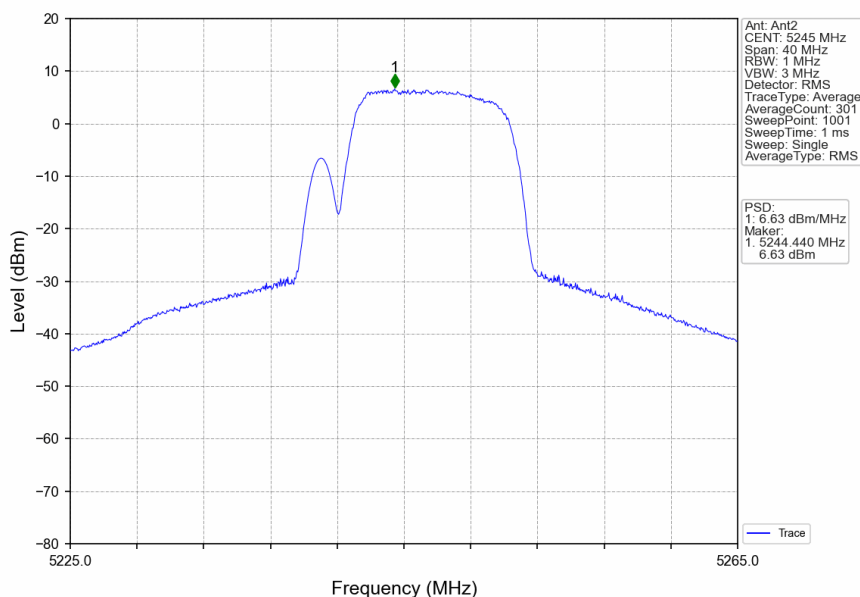
20M RU_Left_MCH_5195MHz_MIMO_NTNV



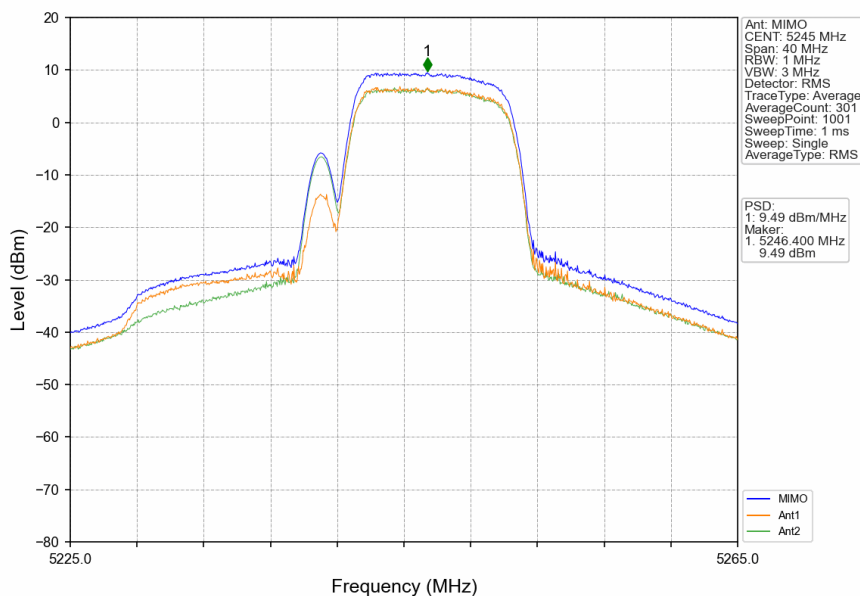
20M RU_Right_HCH_5245MHz_Ant1_NTNV



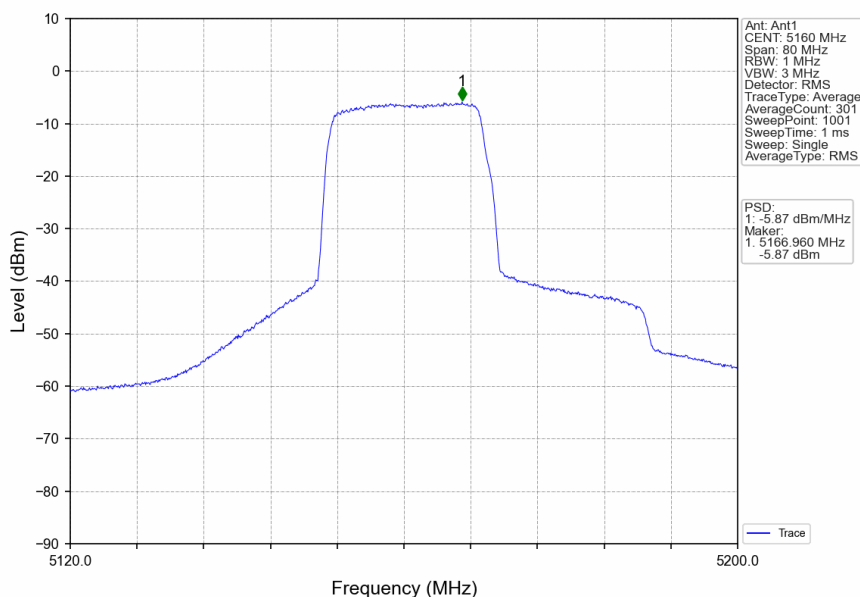
20M RU_Right_HCH_5245MHz_Ant2_NTNV



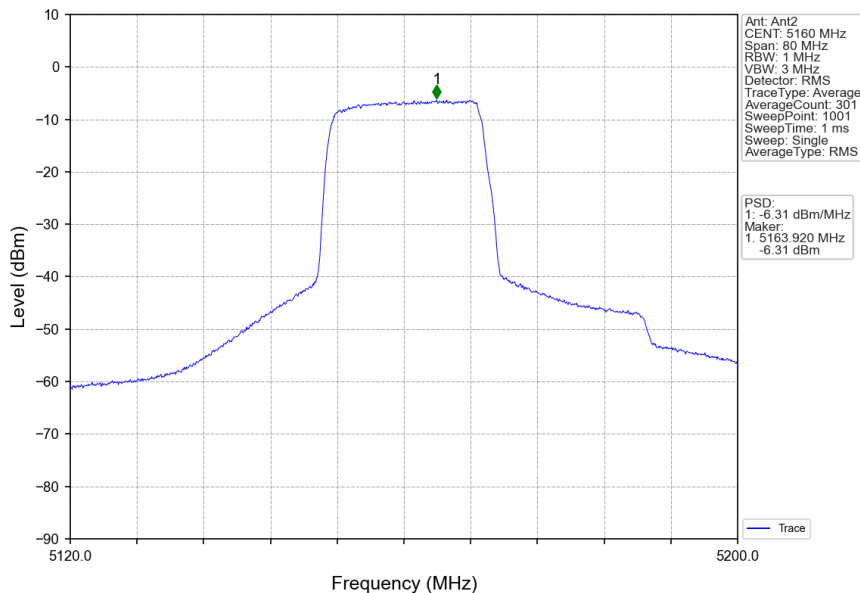
20M RU_Right_HCH_5245MHz_MIMO_NTNV



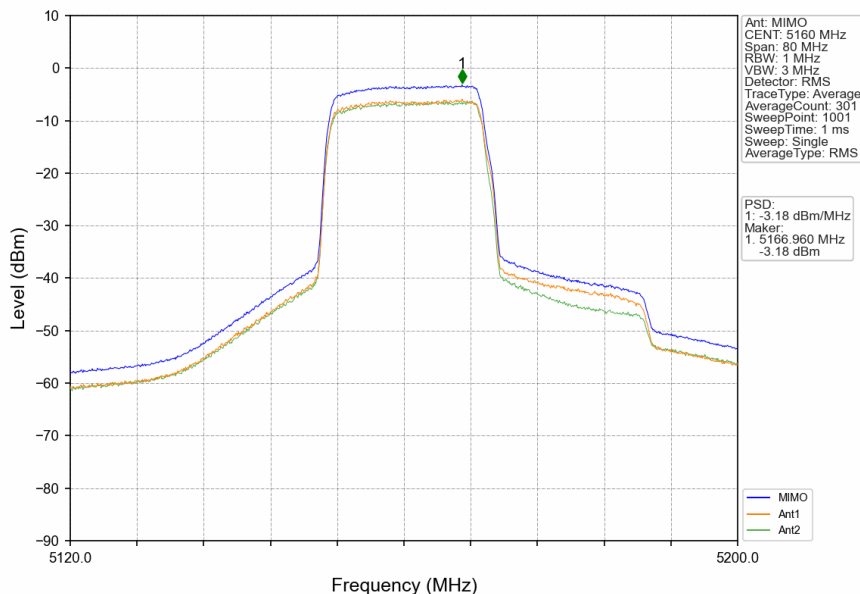
40M RU_Left_LCH_5160MHz_Ant1_NTNV



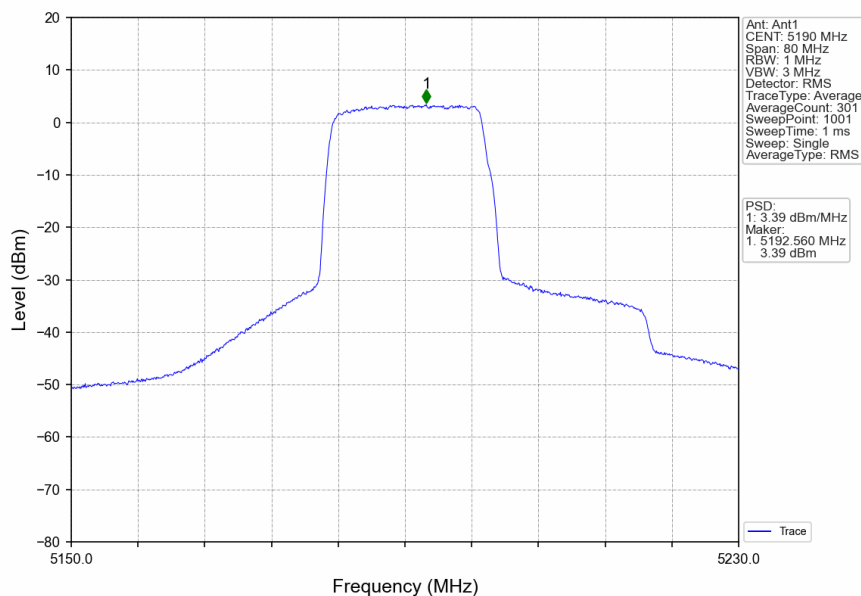
40M RU_Left_LCH_5160MHz_Ant2_NTNV



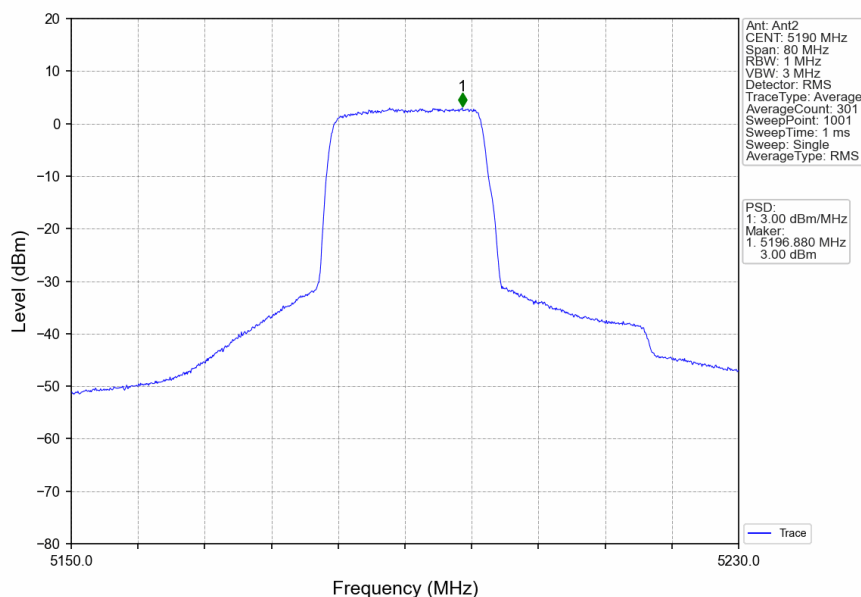
40M RU_Left_LCH_5160MHz_MIMO_NTNV



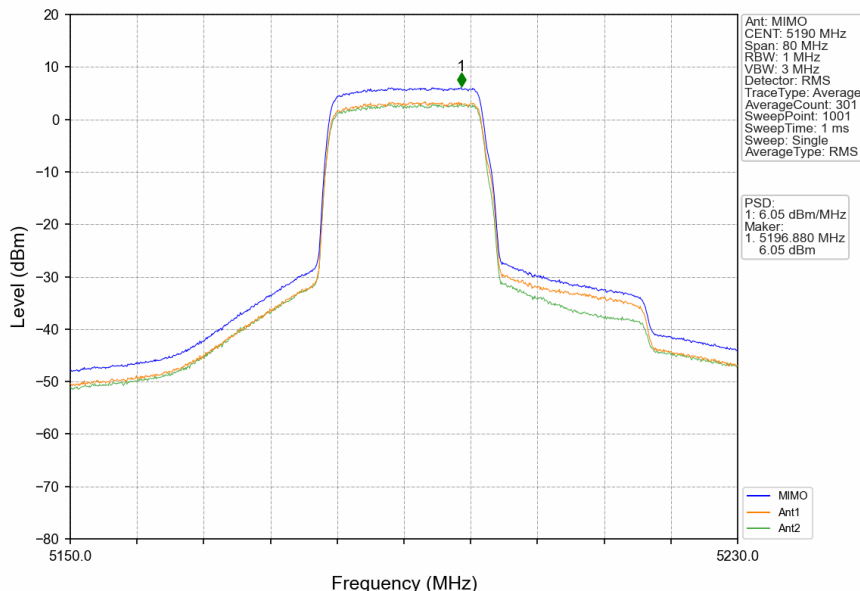
40M RU_Left_MCH_5190MHz_Ant1_NTNV



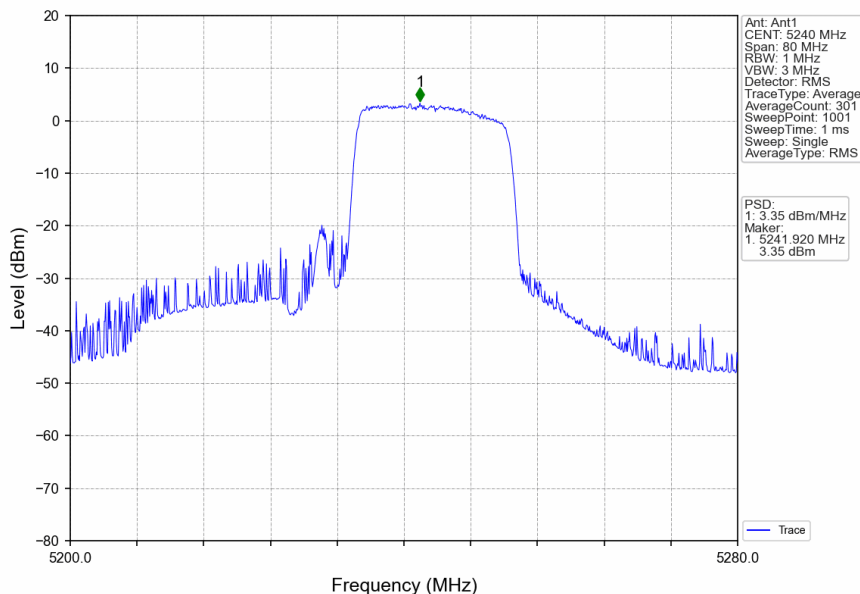
40M RU_Left_MCH_5190MHz_Ant2_NTNV



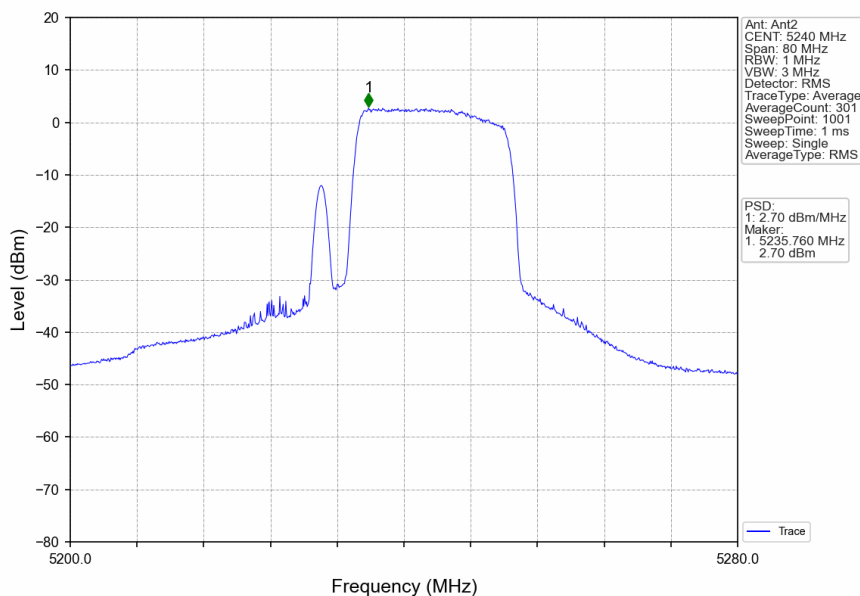
40M RU_Left_MCH_5190MHz_MIMO_NTNV



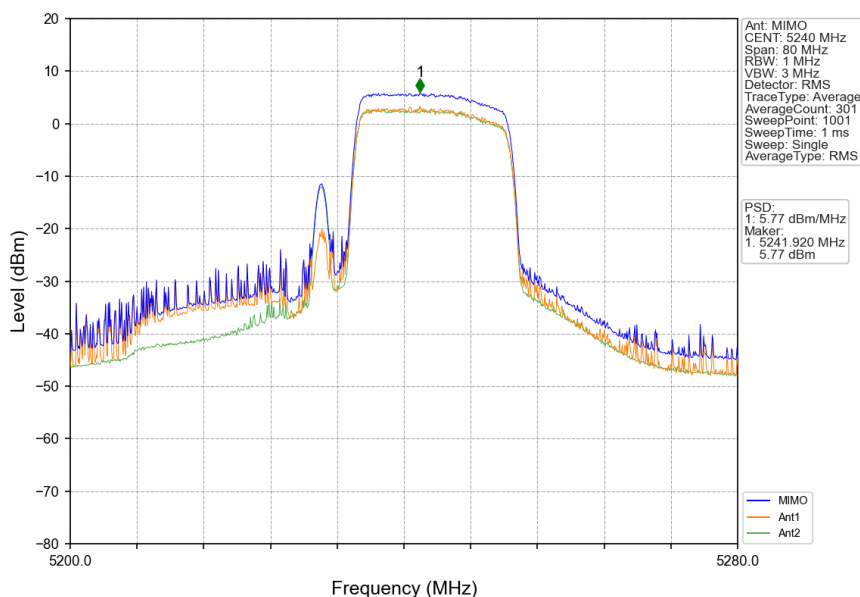
40M RU_Right_HCH_5240MHz_Ant1_NTNV



40M RU_Right_HCH_5240MHz_Ant2_NTNV



40M RU_Right_HCH_5240MHz_MIMO_NTNV



5.8G SDR SISO Mode

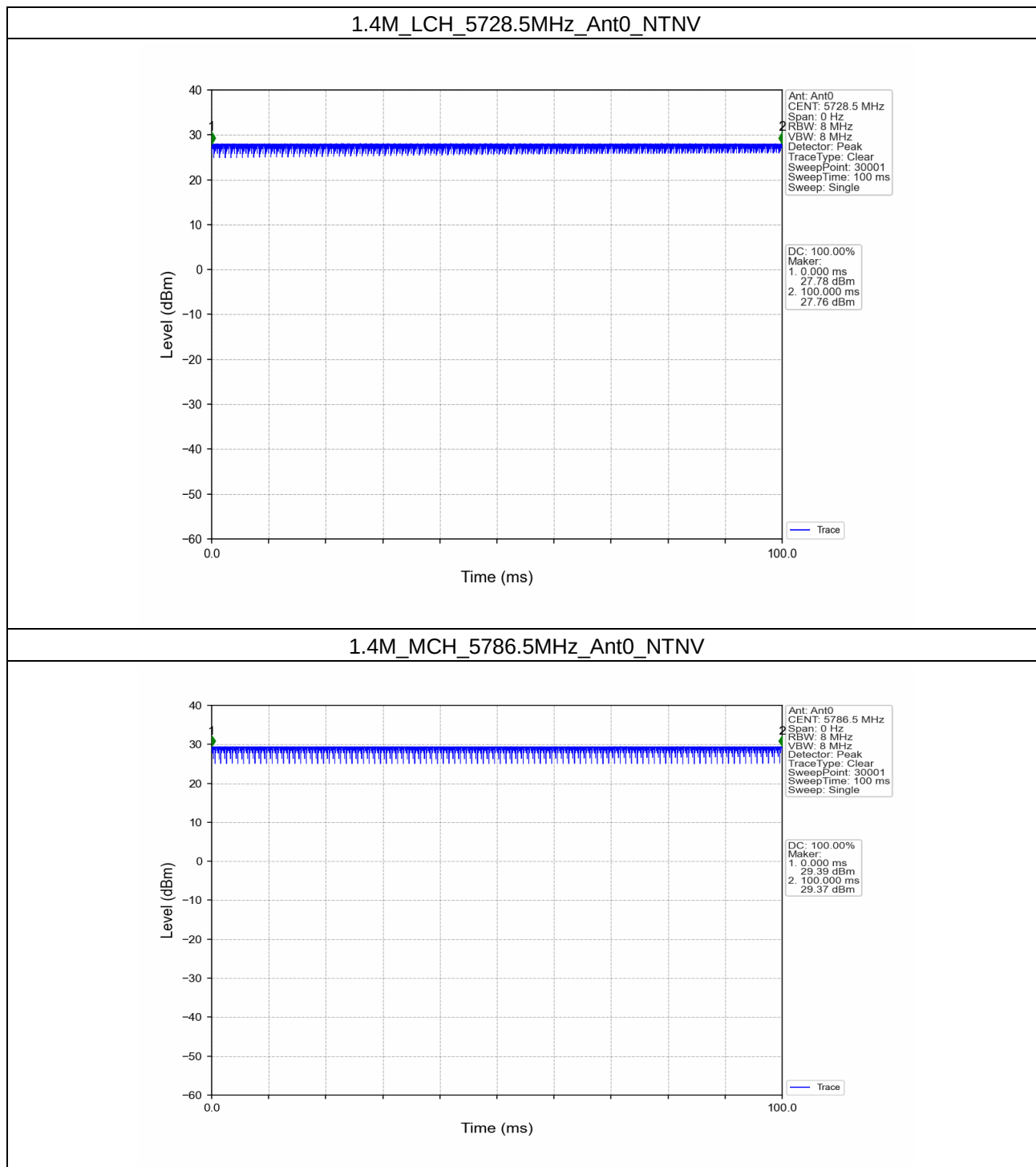
1. Duty Cycle

1.1 Ant0

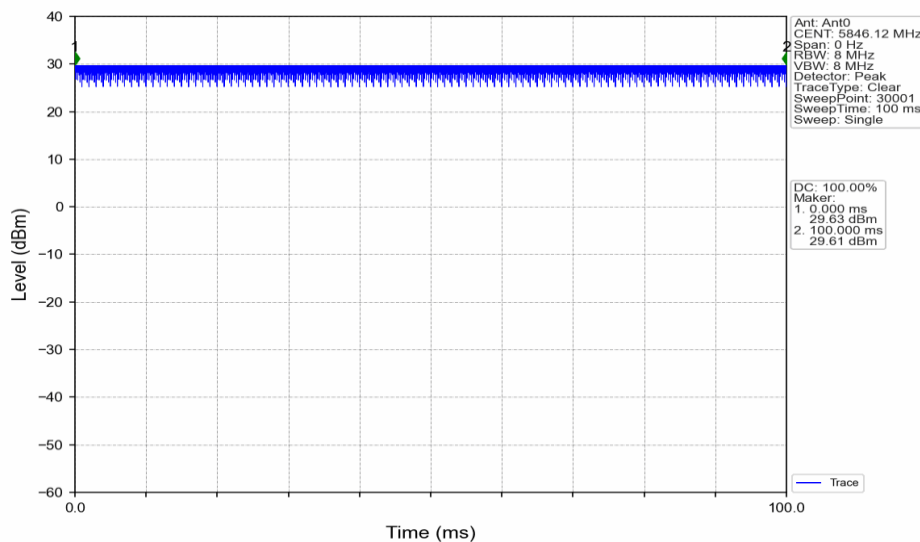
1.1.1 Test Result

Ant0							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1.4M	SISO	5728.5	100.000	100.000	100.00	0.00	0.00
		5786.5	100.000	100.000	100.00	0.00	0.00
		5846.12	100.000	100.000	100.00	0.00	0.00
3M	SISO	5727.5	100.000	100.000	100.00	0.00	0.00
		5784.5	100.000	100.000	100.00	0.00	0.00
		5847.2	100.000	100.000	100.00	0.00	0.00
5M	SISO	5732.5	100.000	100.000	100.00	0.00	0.00
		5782.5	100.000	100.000	100.00	0.00	0.00
		5842.5	100.000	100.000	100.00	0.00	0.00
10M	SISO	5730.5	100.000	100.000	100.00	0.00	0.00
		5787.5	100.000	100.000	100.00	0.00	0.00
		5844.5	100.000	100.000	100.00	0.00	0.00
20M	SISO	5735.5	100.000	100.000	100.00	0.00	0.00
		5787.5	100.000	100.000	100.00	0.00	0.00
		5839.5	100.000	100.000	100.00	0.00	0.00
40M	SISO	5745.5	100.000	100.000	100.00	0.00	0.00
		5787.5	100.000	100.000	100.00	0.00	0.00
		5829.5	100.000	100.000	100.00	0.00	0.00
60M	SISO	5755.5	100.000	100.000	100.00	0.00	0.00
		5787.5	100.000	100.000	100.00	0.00	0.00
		5819.5	100.000	100.000	100.00	0.00	0.00
80M	SISO	5765.5	100.000	100.000	100.00	0.00	0.00
		5787.5	100.000	100.000	100.00	0.00	0.00
		5809.5	100.000	100.000	100.00	0.00	0.00

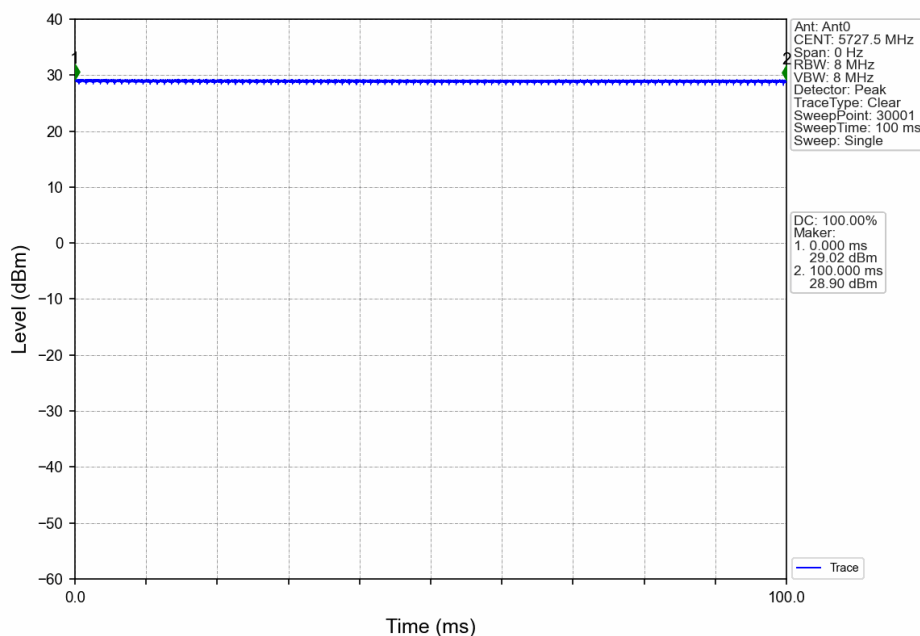
1.1.2 Test Graph



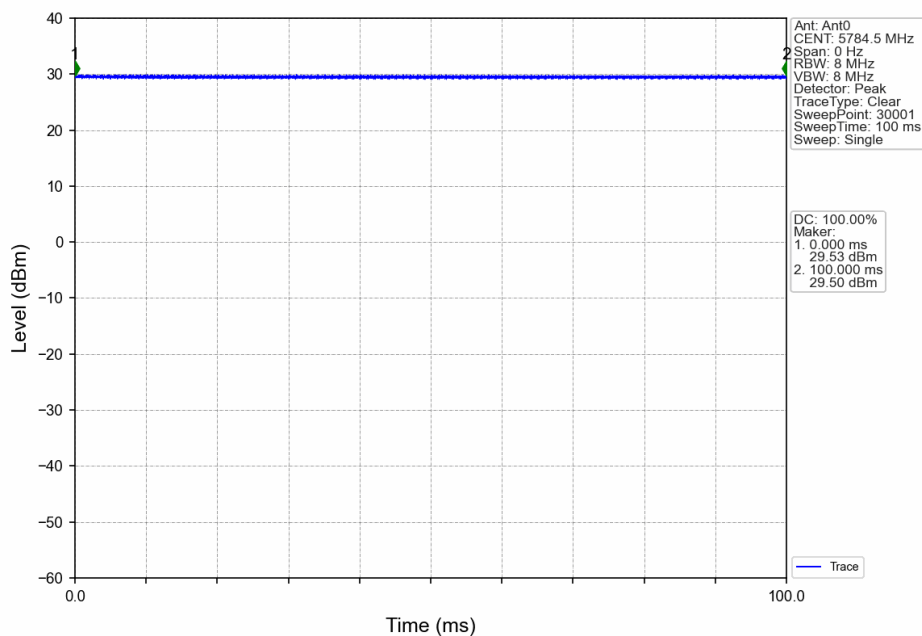
1.4M_HCH_5846.12MHz_Ant0_NTNV



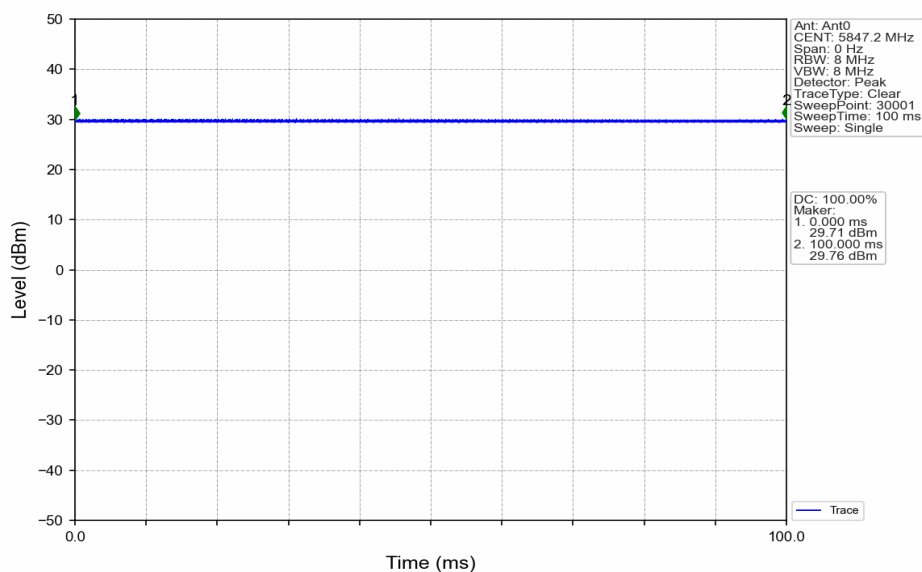
3M_LCH_5727.5MHz_Ant0_NTNV



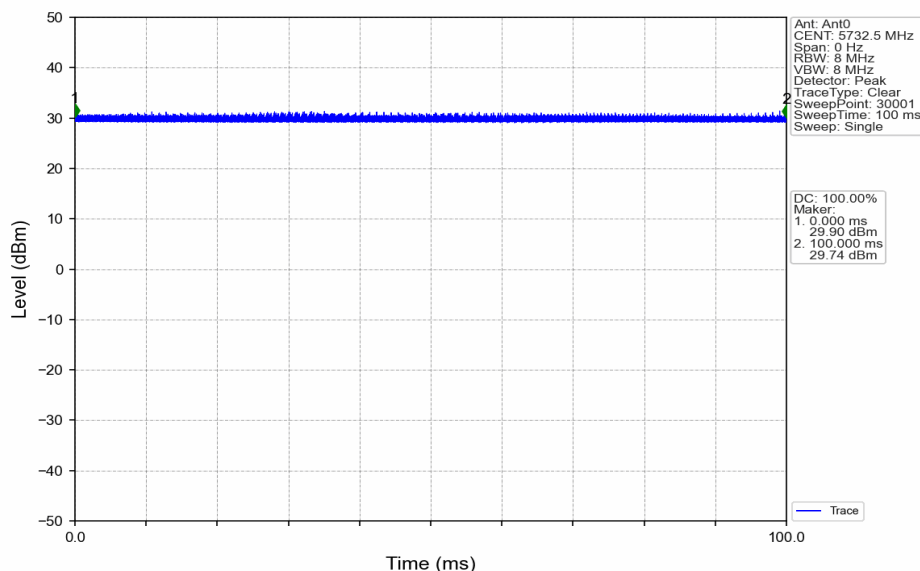
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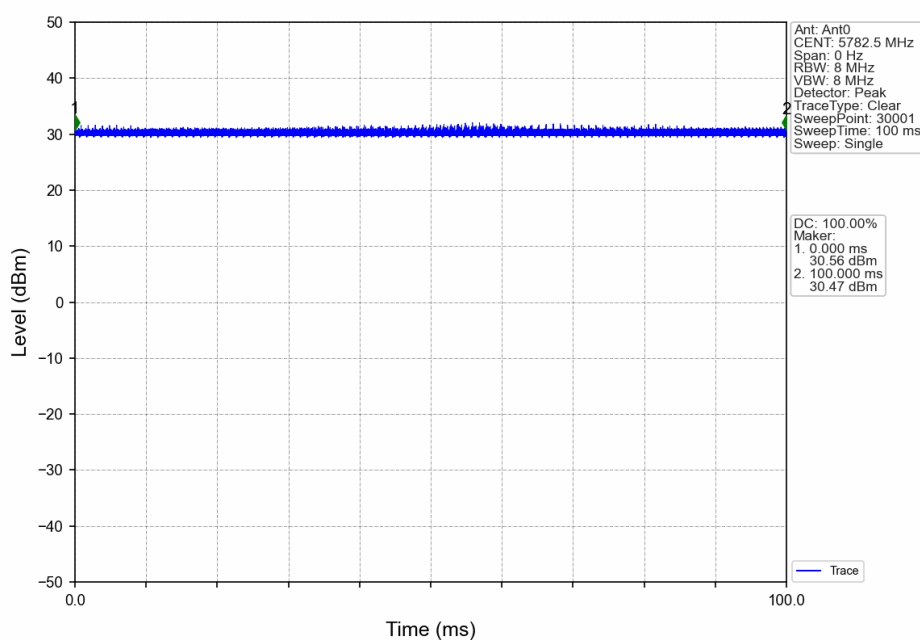
3M_HCH_5847.2MHz_Ant0_NTNV



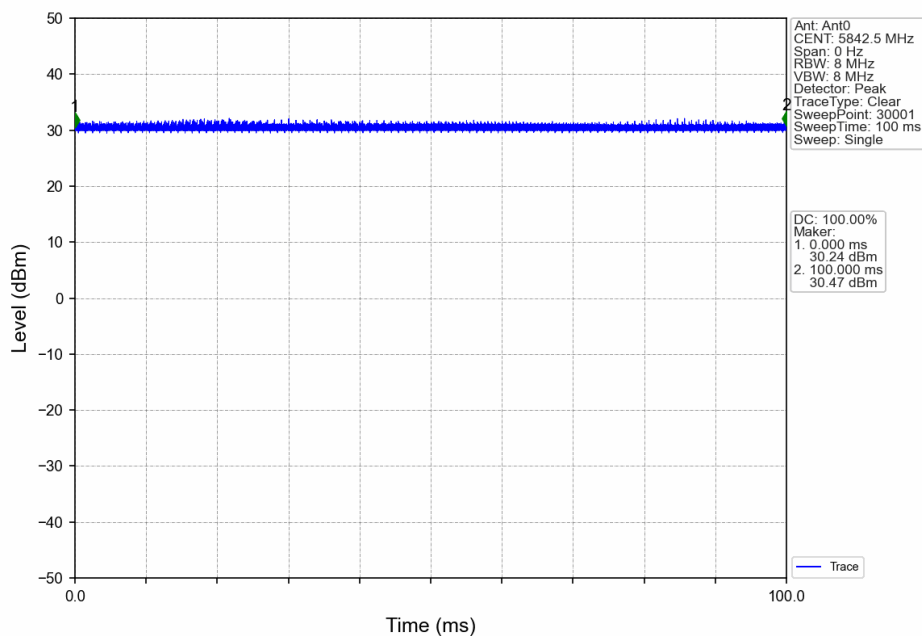
5M_LCH_5732.5MHz_Ant0_NTNV



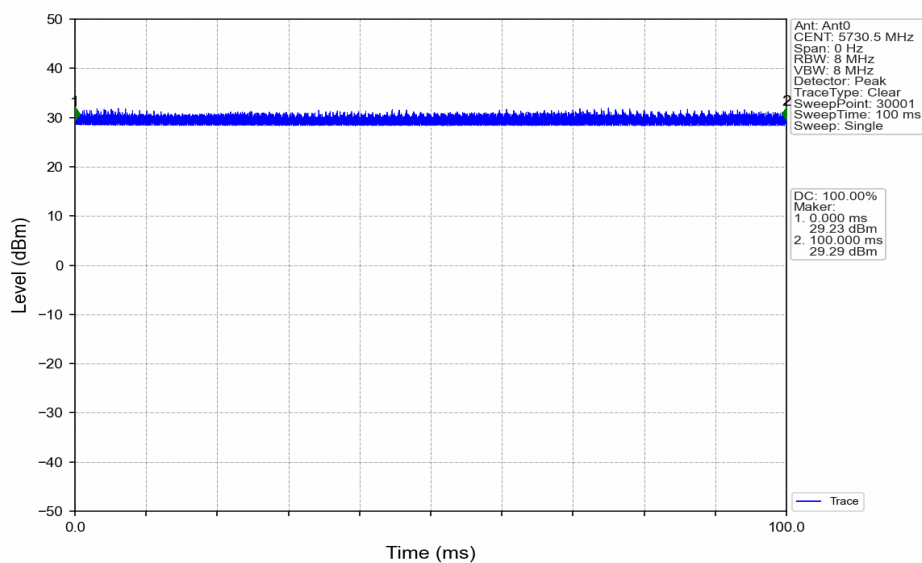
5M_MCH_5782.5MHz_Ant0_NTNV



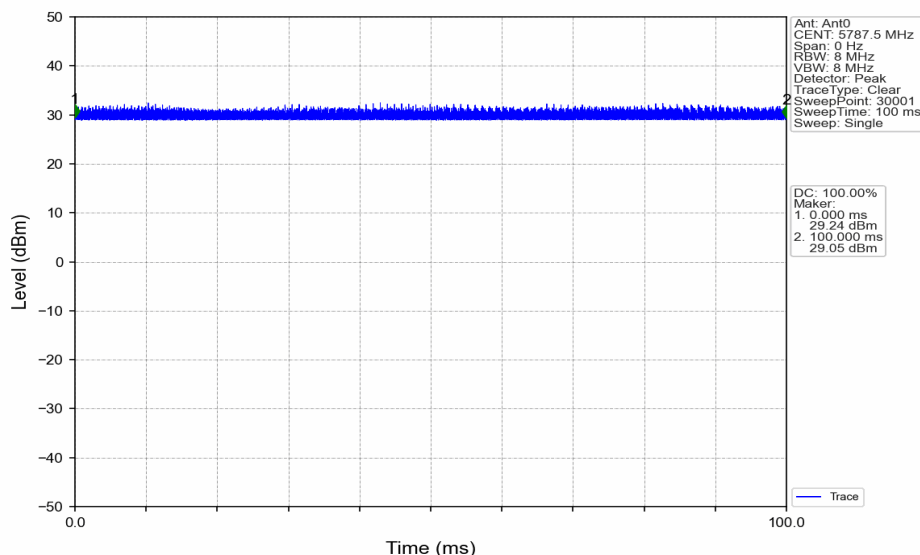
5M_HCH_5842.5MHz_Ant0_NTNV



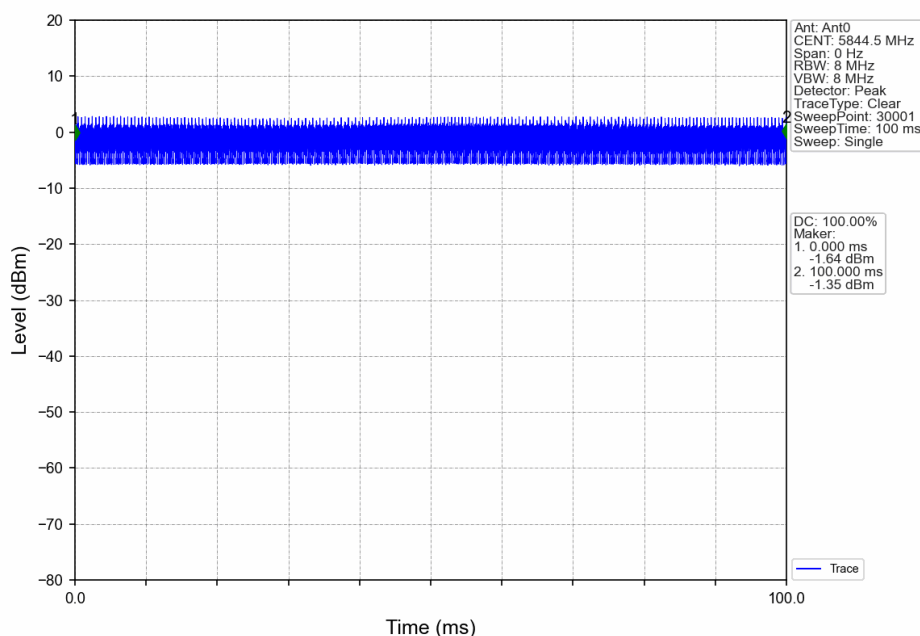
10M_LCH_5730.5MHz_Ant0_NTNV



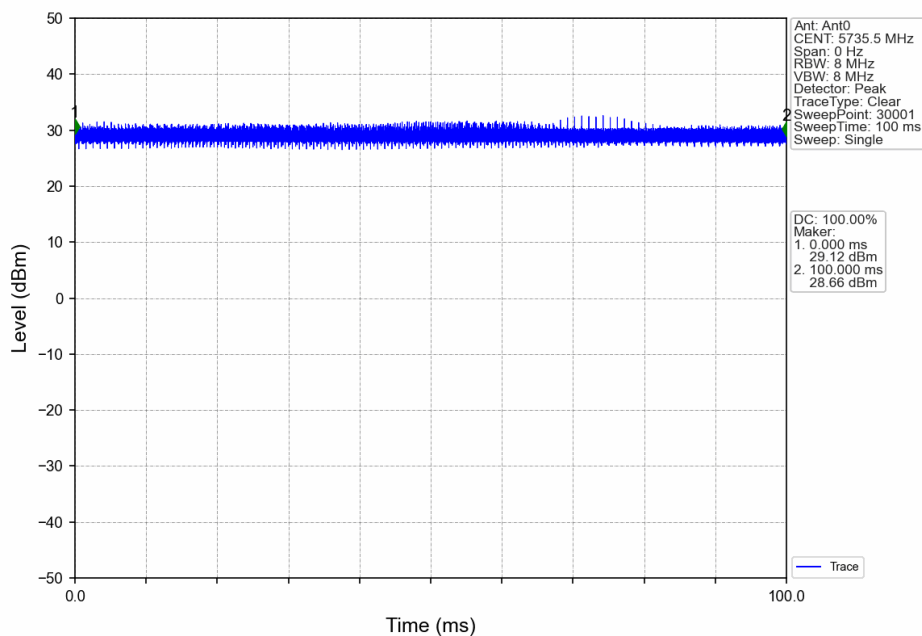
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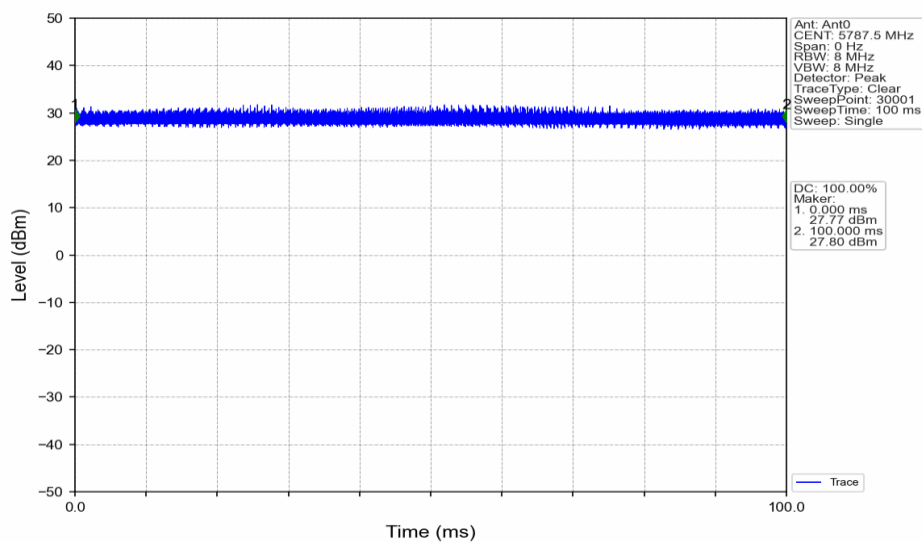
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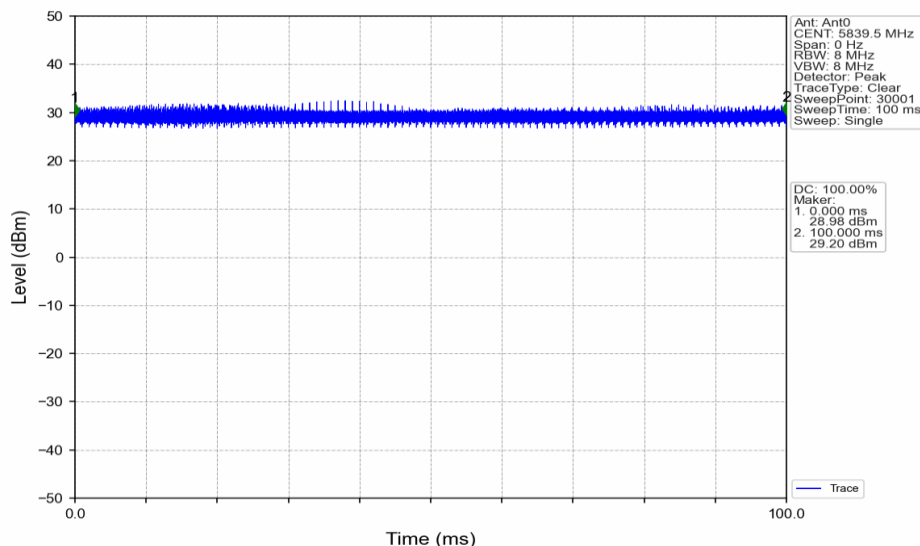
20M_LCH_5735.5MHz_Ant0_NTNV



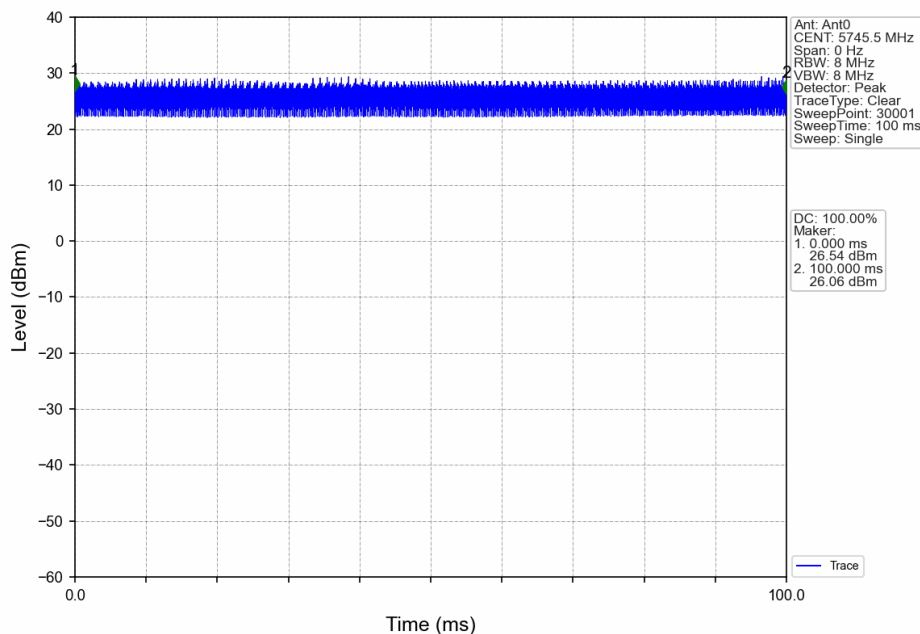
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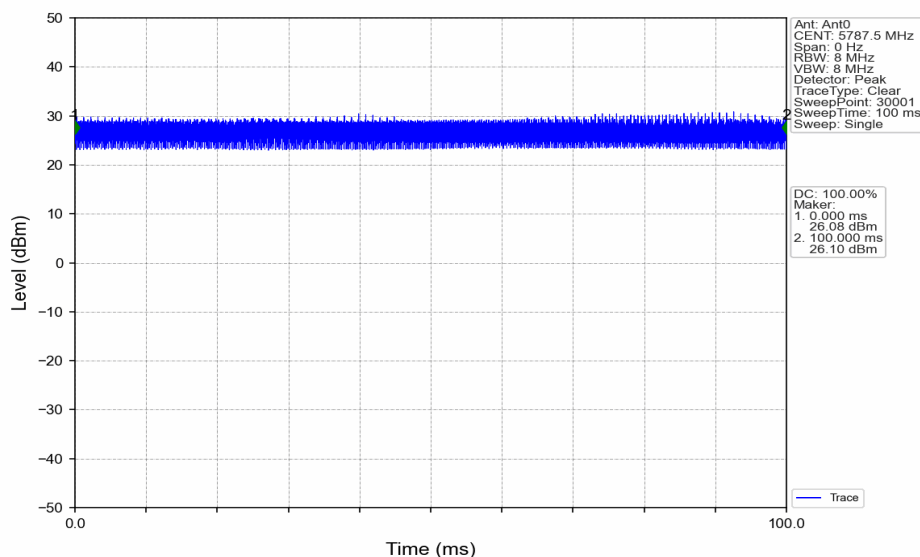
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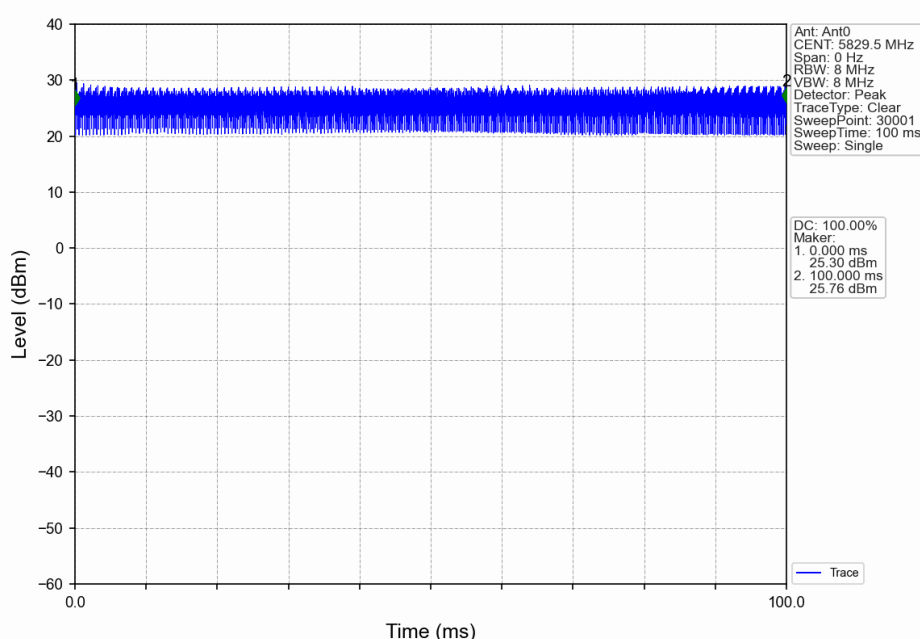
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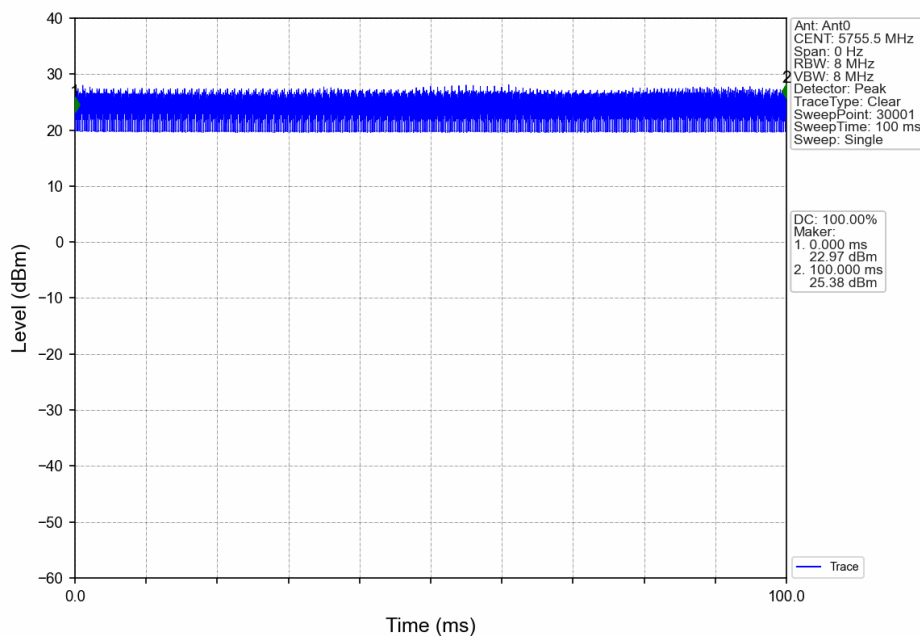
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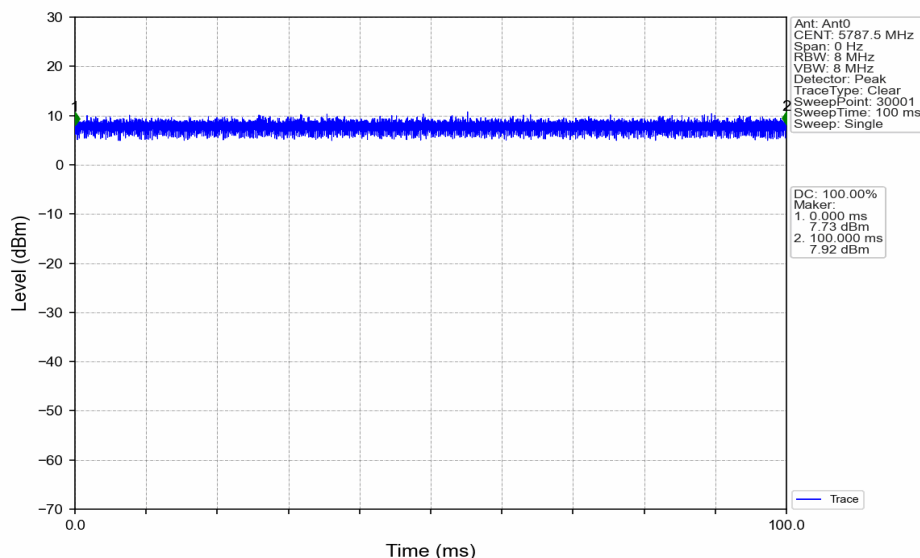
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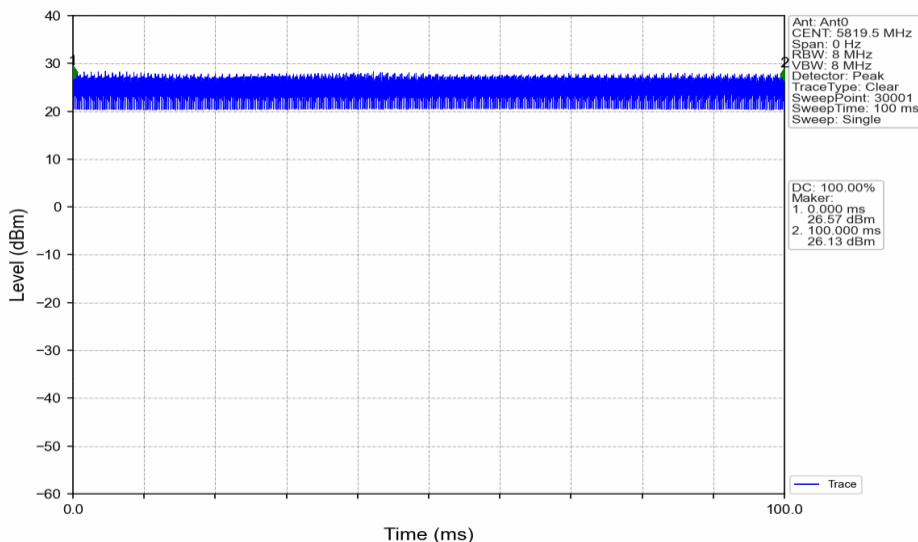
60M_LCH_5755.5MHz_Ant0_NTNV



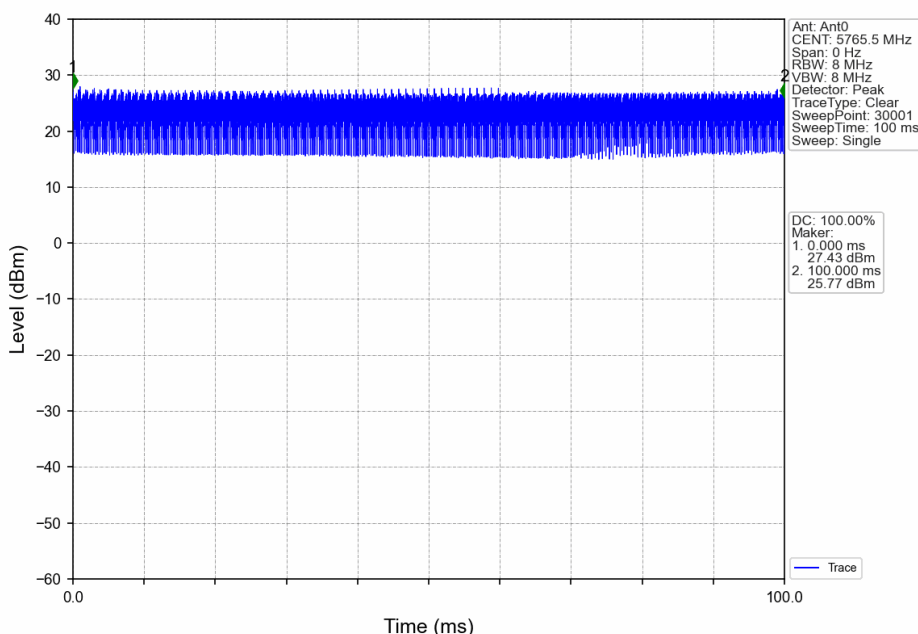
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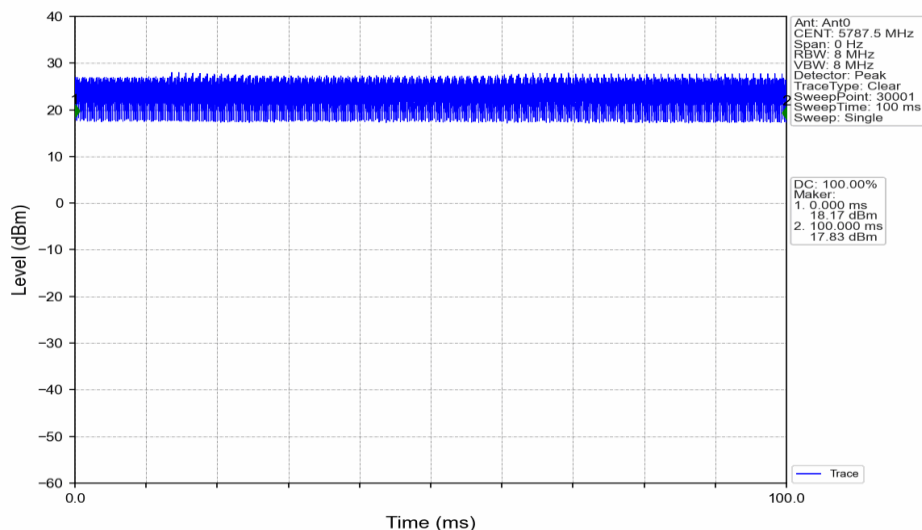
60M_HCH_5819.5MHz_Ant0_NTNV



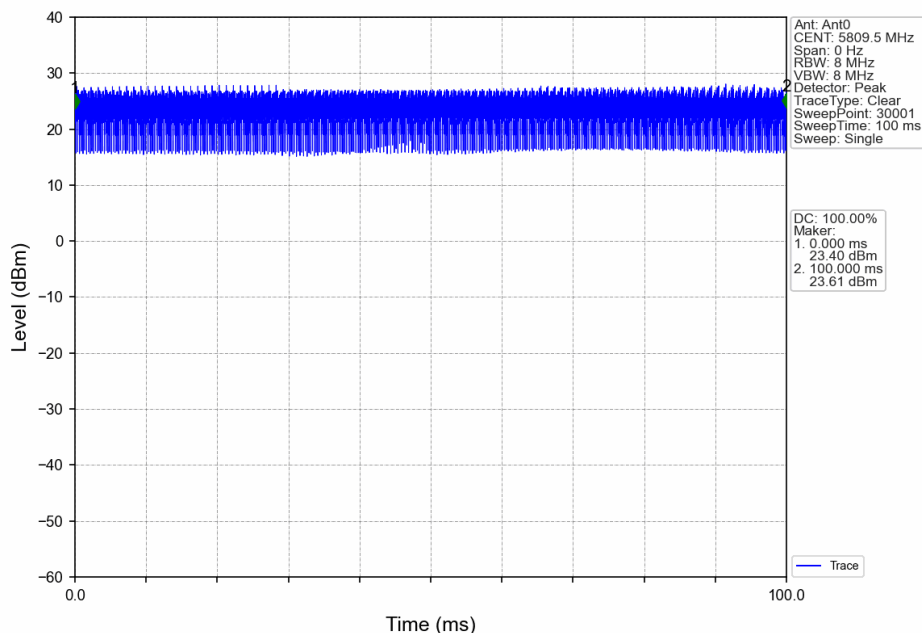
80M_LCH_5765.5MHz_Ant0_NTNV



80M_MCH_5787.5MHz_Ant0_NTNV



80M_HCH_5809.5MHz_Ant0_NTNV



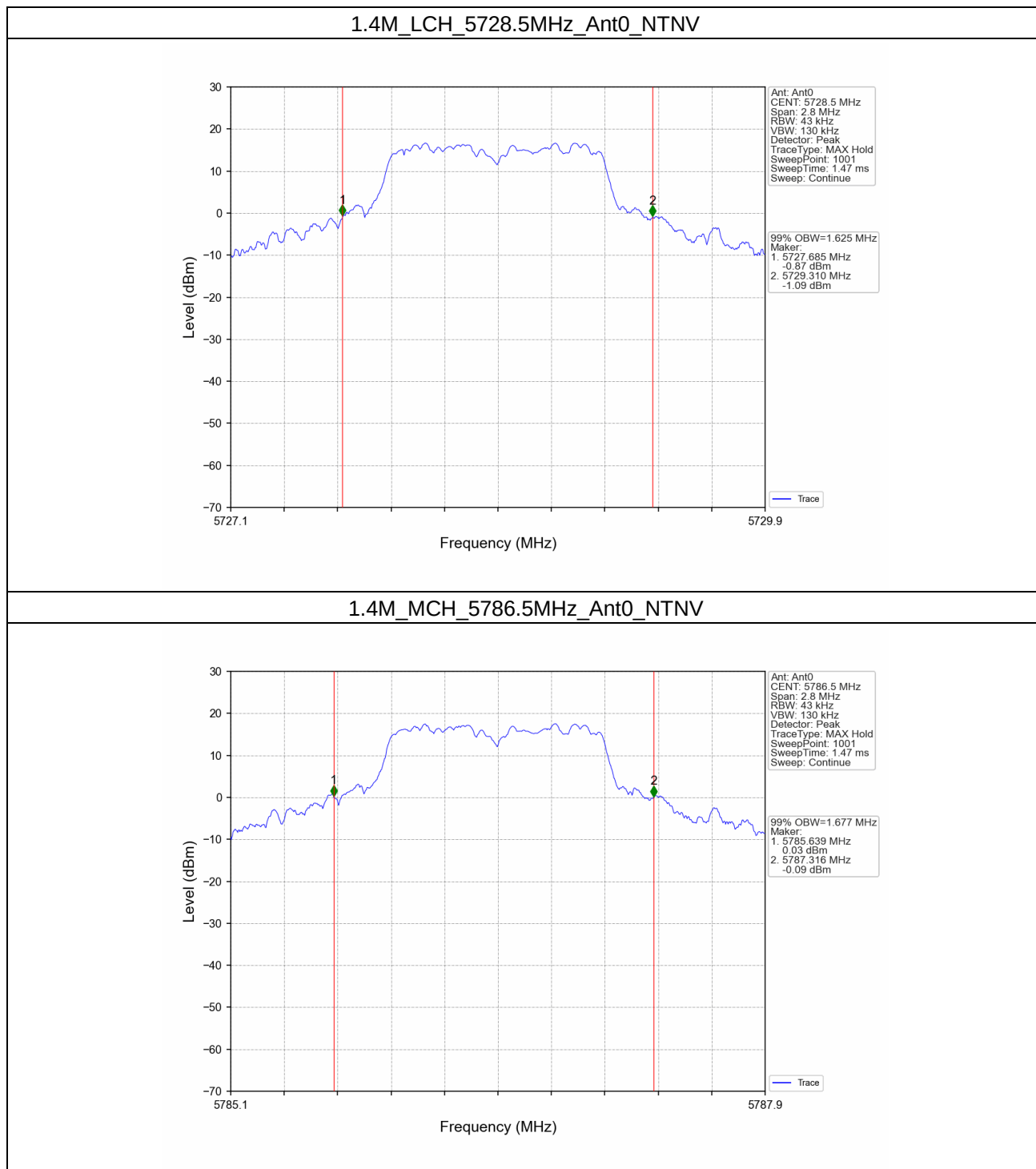
2. Bandwidth

2.1 OBW

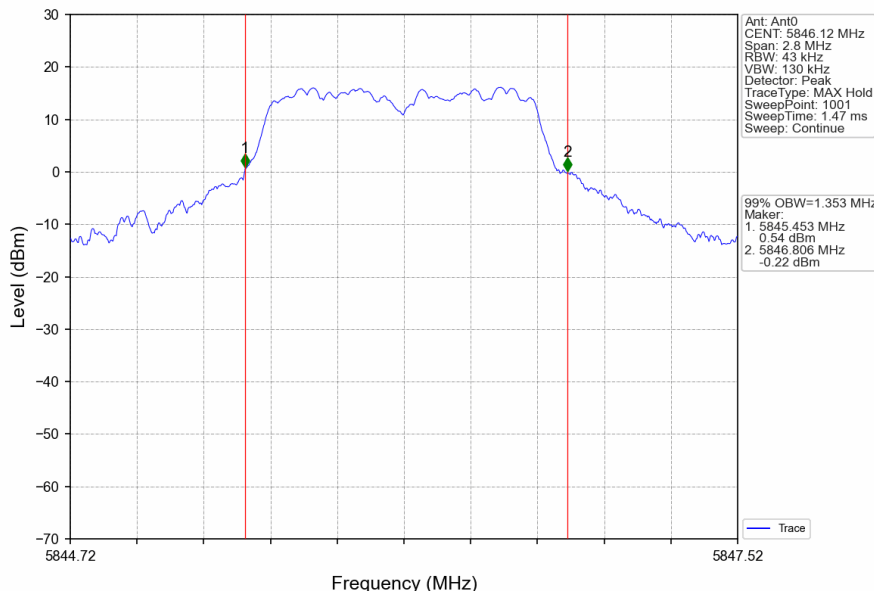
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1.4M	SISO	5728.5	0	1.625	Pass
		5786.5	0	1.677	Pass
		5846.12	0	1.353	Pass
3M	SISO	5727.5	0	2.655	Pass
		5784.5	0	2.663	Pass
		5847.2	0	2.322	Pass
5M	SISO	5732.5	0	4.668	Pass
		5782.5	0	4.705	Pass
		5842.5	0	4.505	Pass
10M	SISO	5730.5	0	12.334	Pass
		5787.5	0	12.014	Pass
		5844.5	0	9.573	Pass
20M	SISO	5735.5	0	21.957	Pass
		5787.5	0	20.862	Pass
		5839.5	0	18.442	Pass
40M	SISO	5745.5	0	44.463	Pass
		5787.5	0	50.367	Pass
		5829.5	0	41.207	Pass
60M	SISO	5755.5	0	61.732	Pass
		5787.5	0	78.791	Pass
		5819.5	0	78.070	Pass
80M	SISO	5765.5	0	90.454	Pass
		5787.5	0	86.941	Pass
		5809.5	0	85.014	Pass

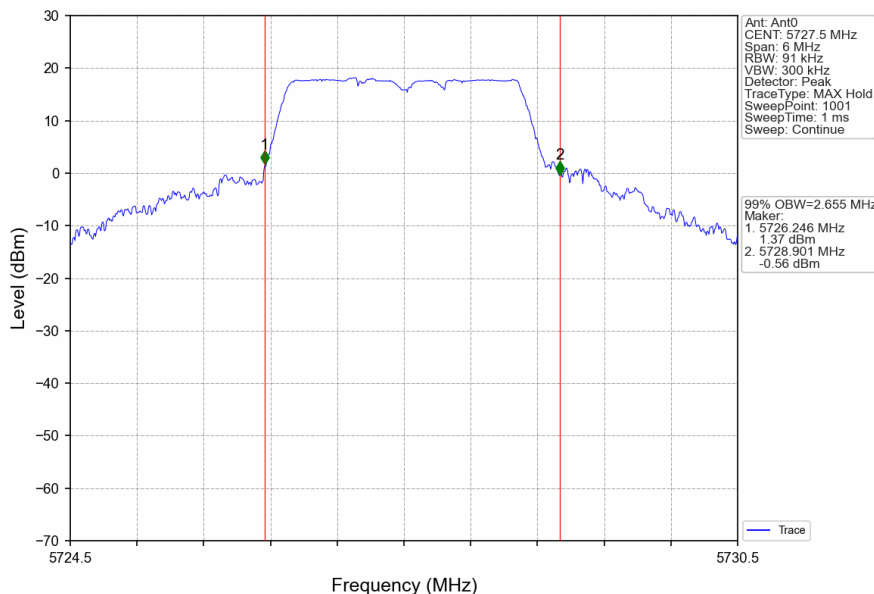
2.1.2 Test Graph



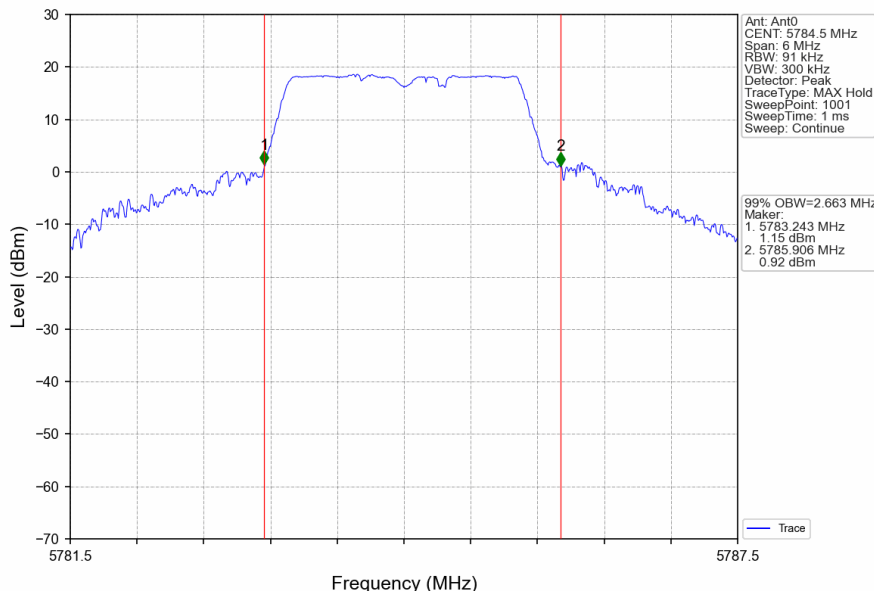
1.4M_HCH_5846.12MHz_Ant0_NTNV



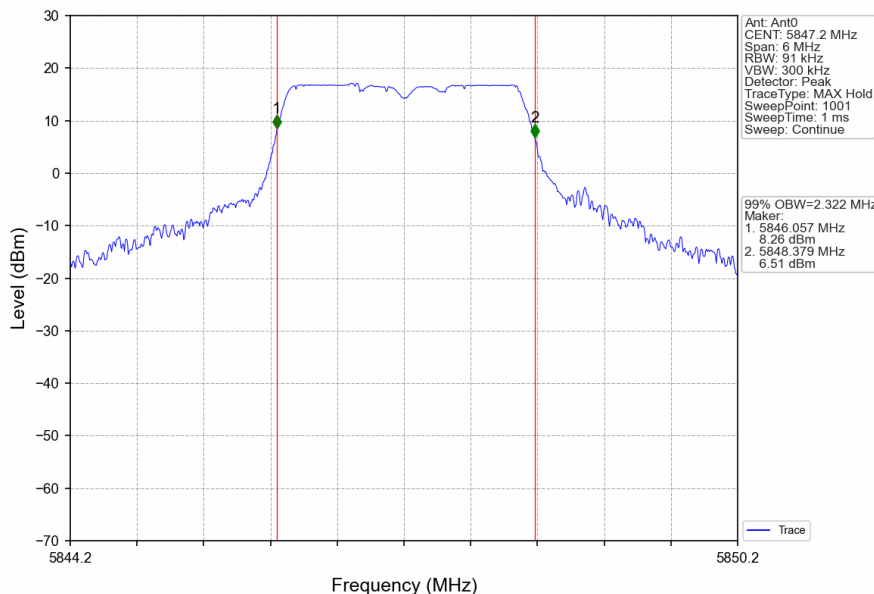
3M_LCH_5727.5MHz_Ant0_NTNV



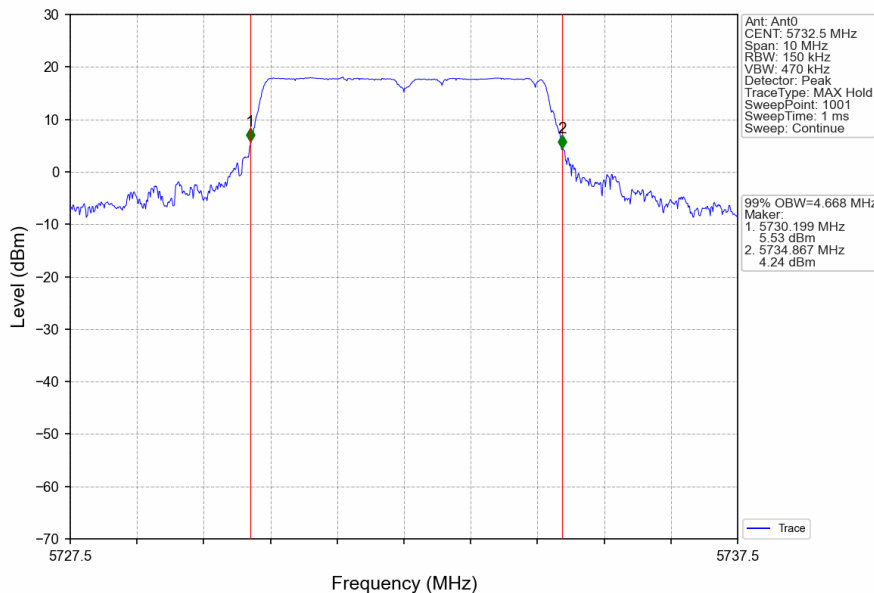
3M_MCH_5784.5MHz_Ant0_NTNV



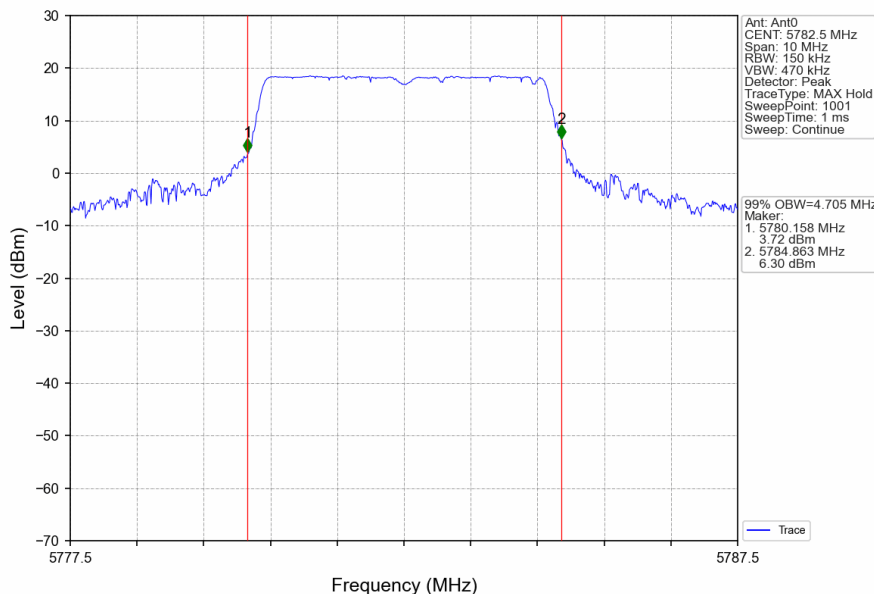
3M_HCH_5847.2MHz_Ant0_NTNV



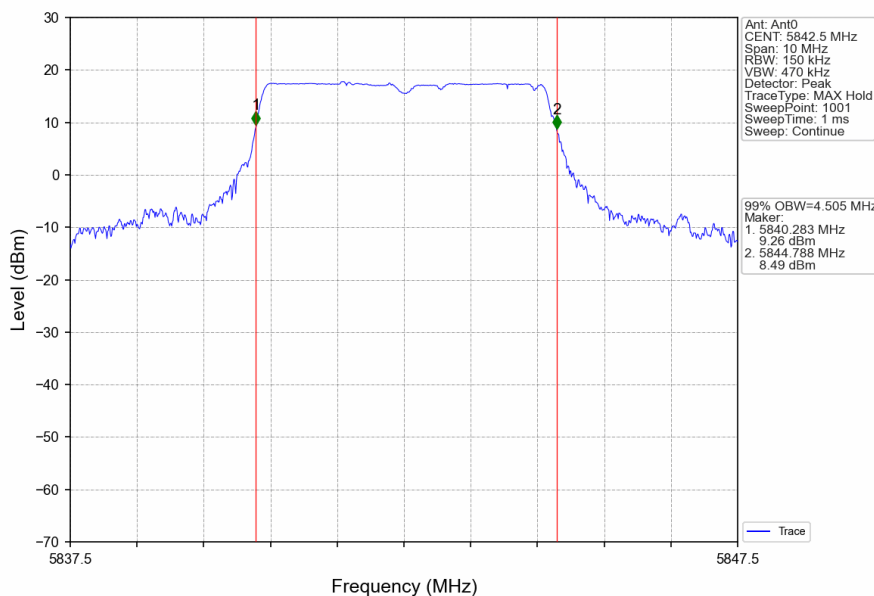
5M_LCH_5732.5MHz_Ant0_NTNV



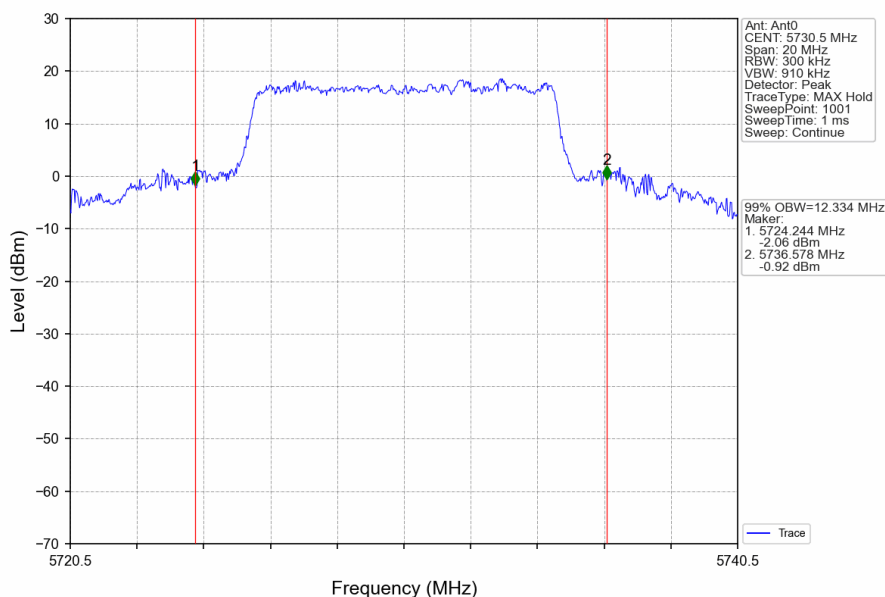
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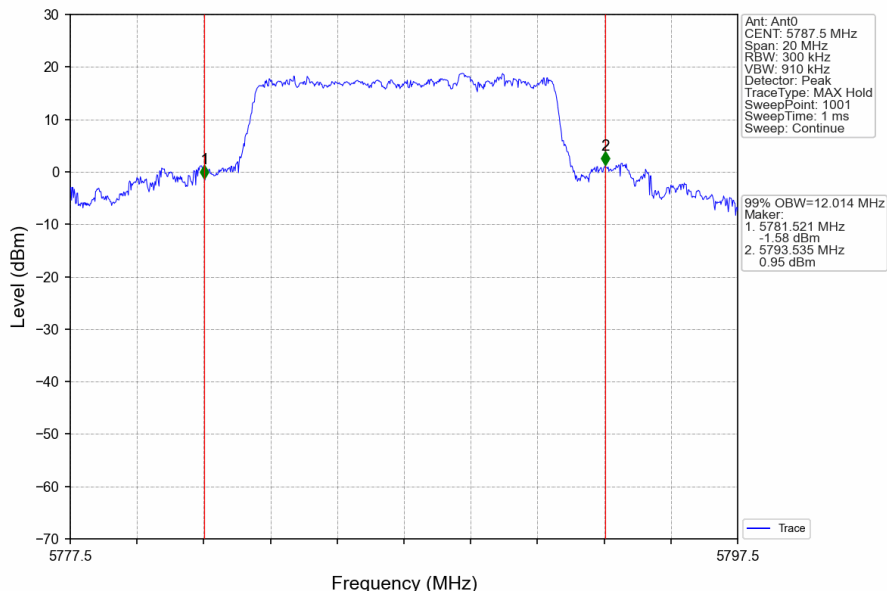
5M_HCH_5842.5MHz_Ant0_NTNV



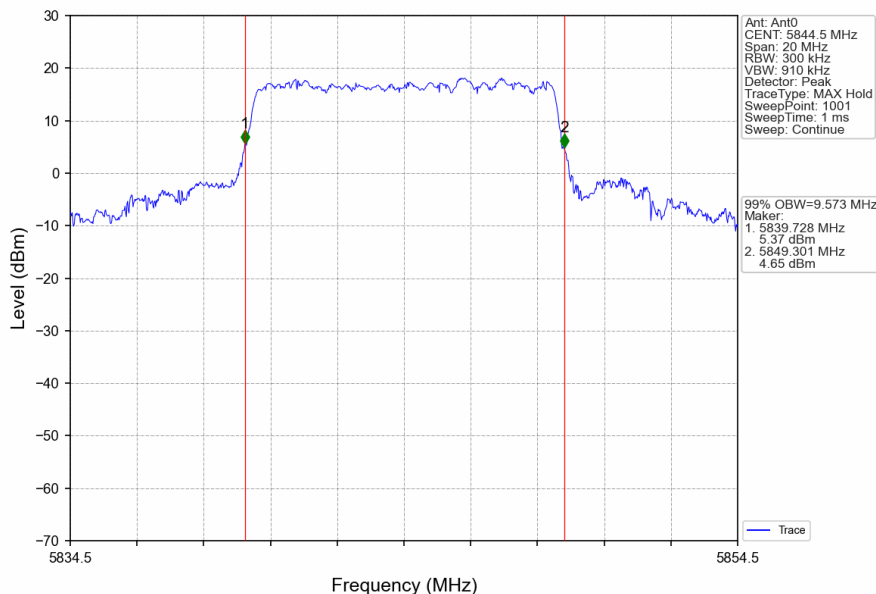
10M_LCH_5730.5MHz_Ant0_NTNV



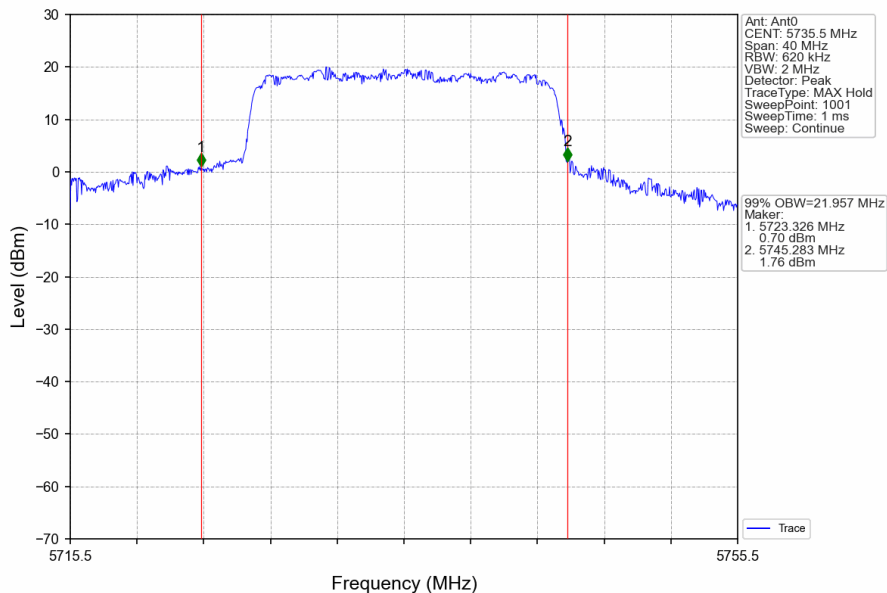
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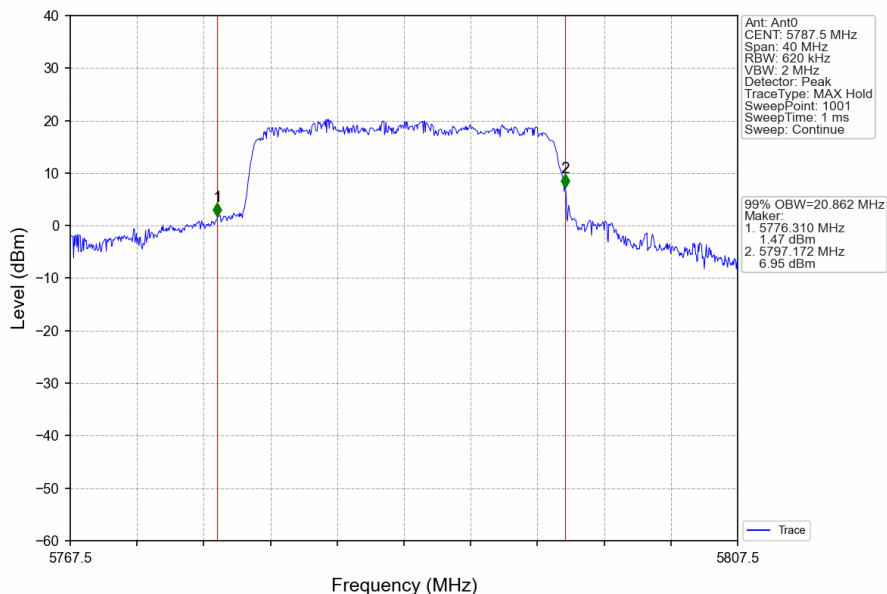
10M_HCH_5844.5MHz_Ant0_NTNV



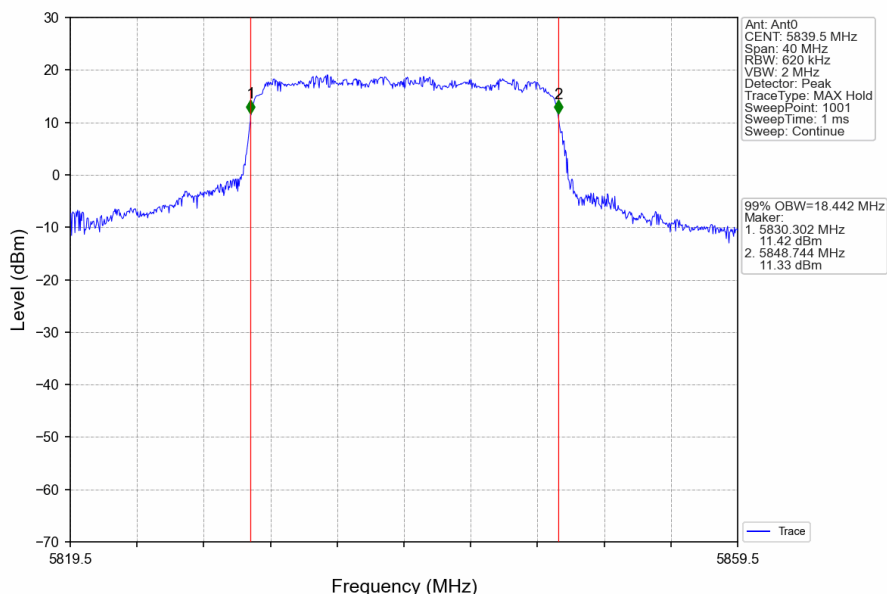
20M_LCH_5735.5MHz_Ant0_NTNV



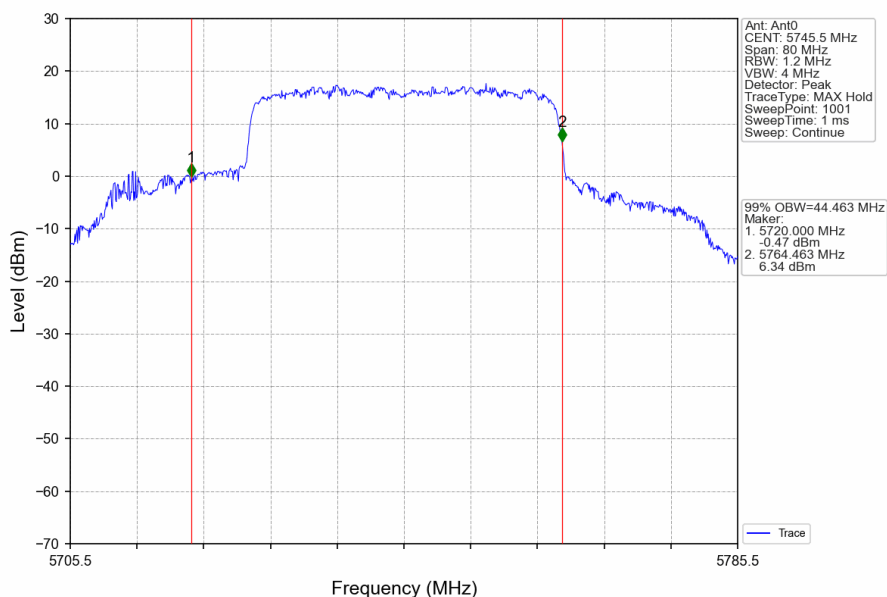
20M_MCH_5787.5MHz_Ant0_NTNV



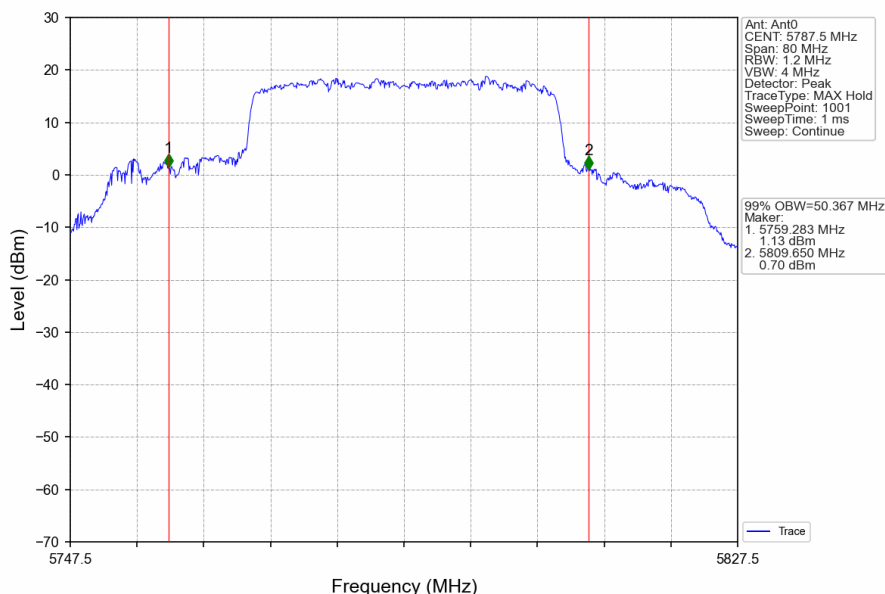
20M_HCH_5839.5MHz_Ant0_NTNV



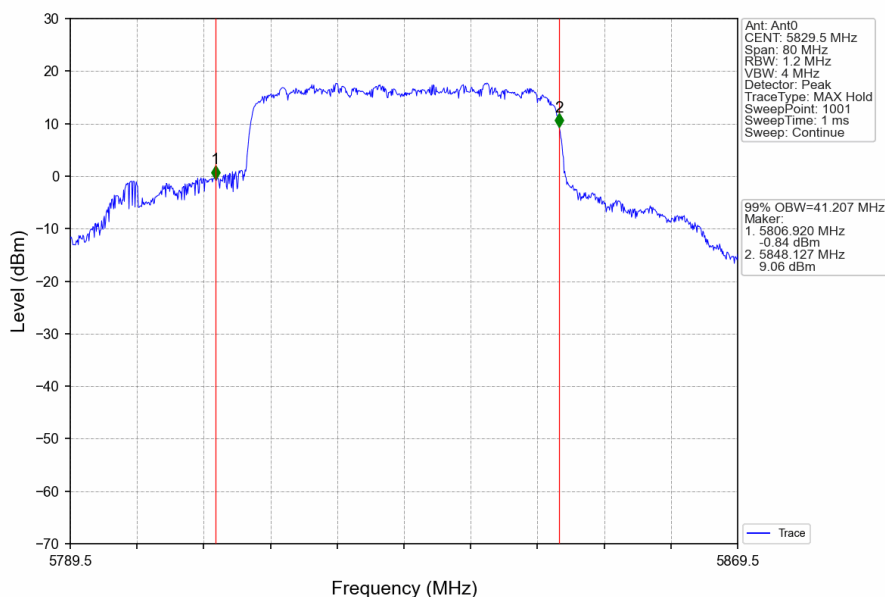
40M_LCH_5745.5MHz_Ant0_NTNV



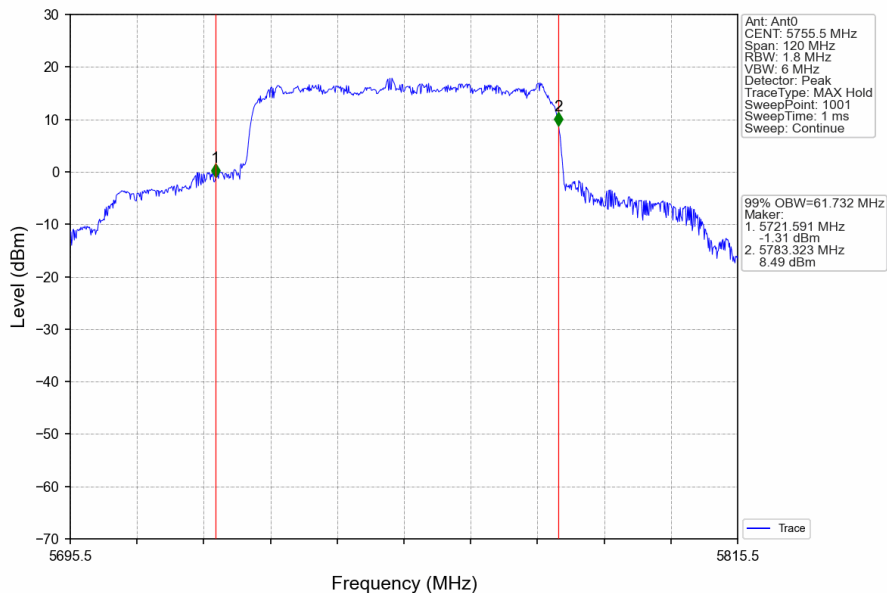
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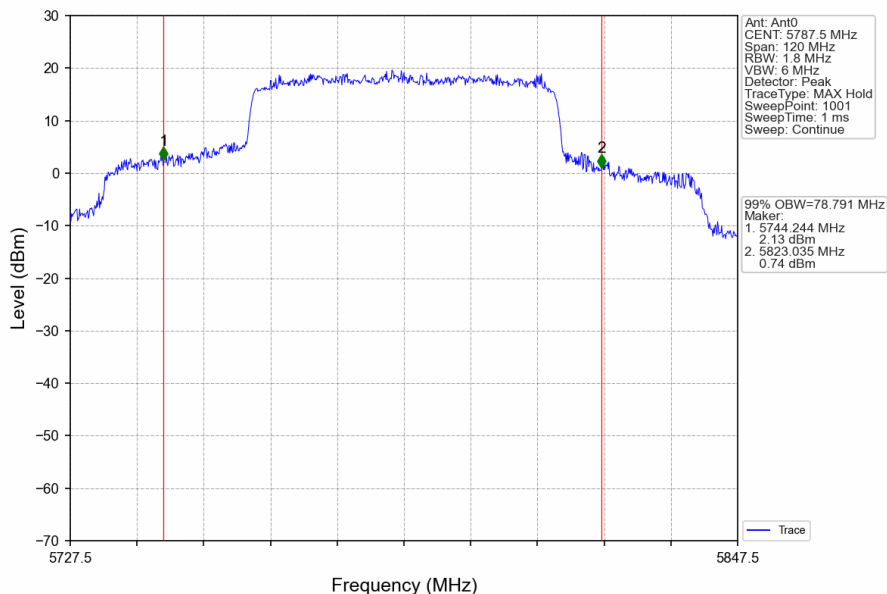
40M_HCH_5829.5MHz_Ant0_NTNV



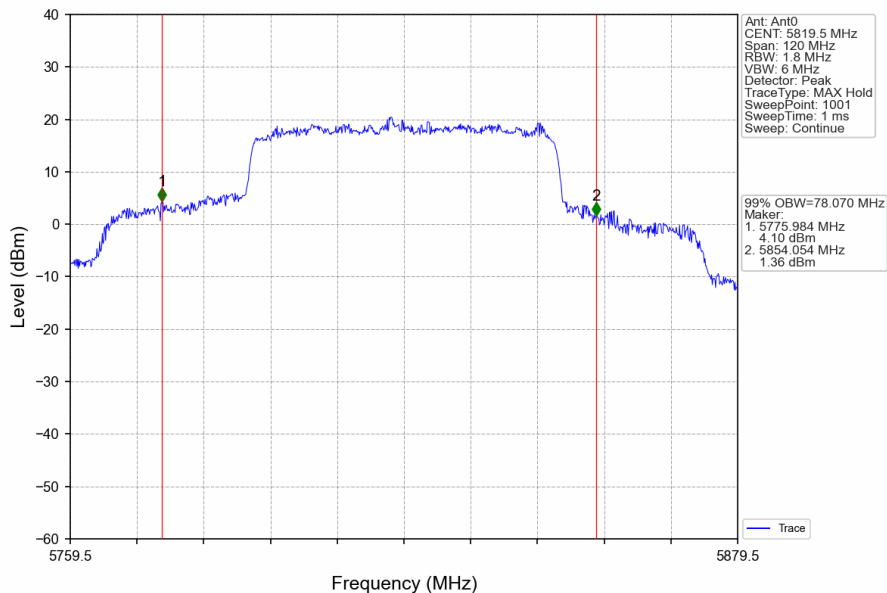
60M_LCH_5755.5MHz_Ant0_NTNV



60M_MCH_5787.5MHz_Ant0_NTNV



60M_HCH_5819.5MHz_Ant0_NTNV



80M_LCH_5765.5MHz_Ant0_NTNV

