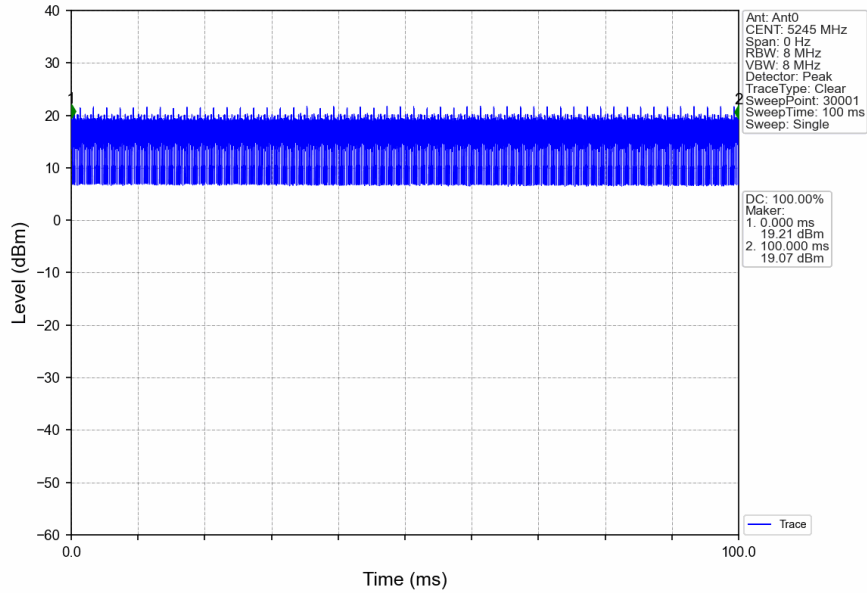
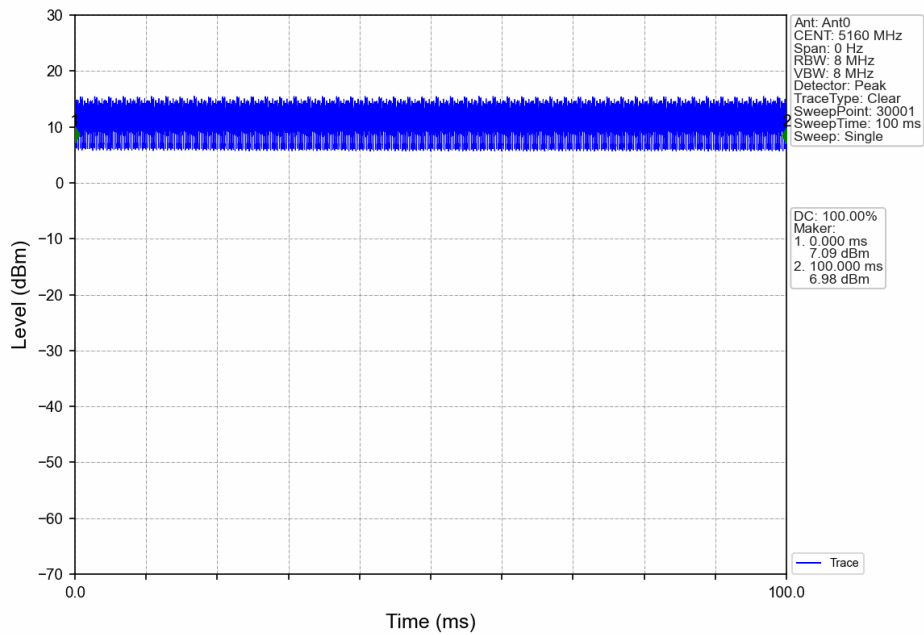


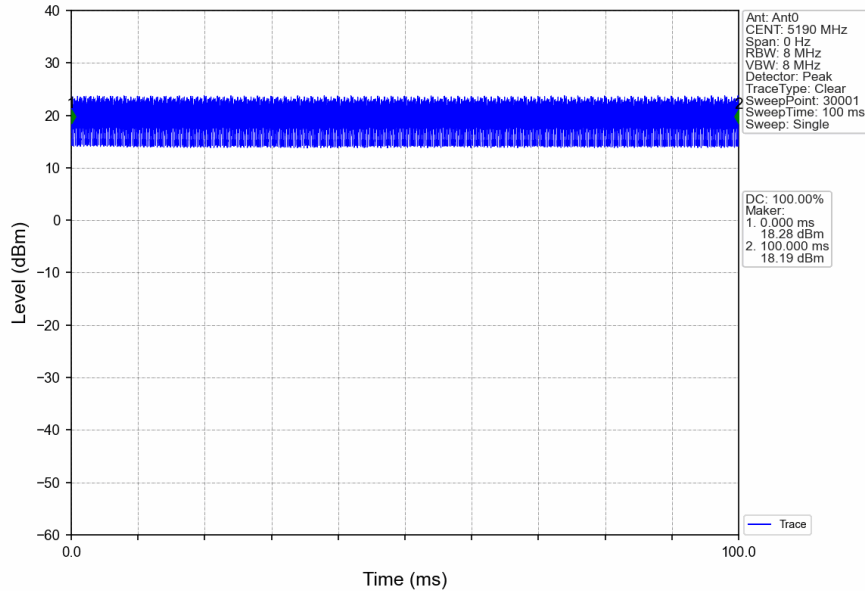
20M RU_Right_HCH_5245MHz_Ant0_NTNV



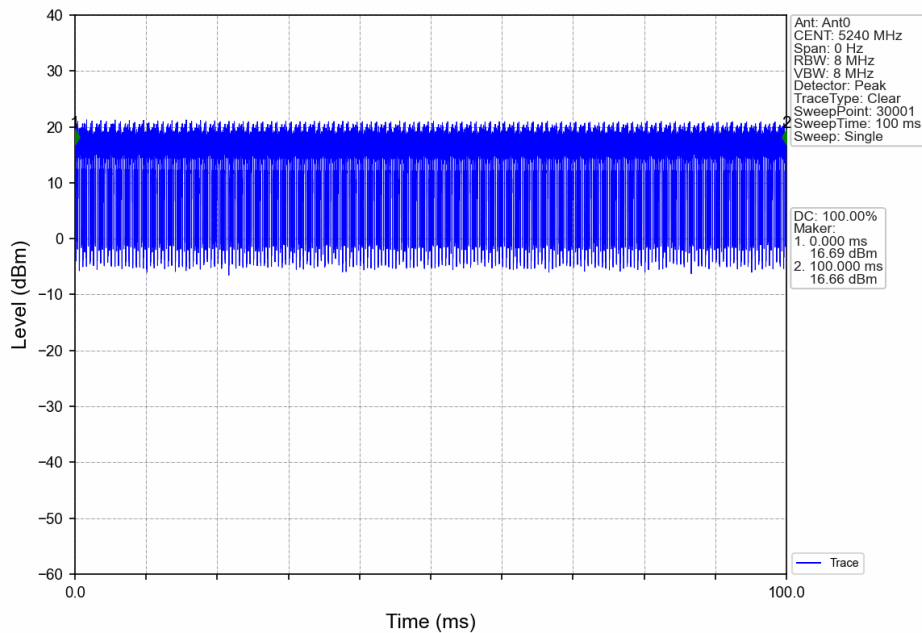
40M RU_LCH_Left_5160MHz_Ant0_NTNV



40M RU_Left_MCH_5190MHz_Ant0_NTNV



40M RU_Right_HCH_5240MHz_Ant0_NTNV



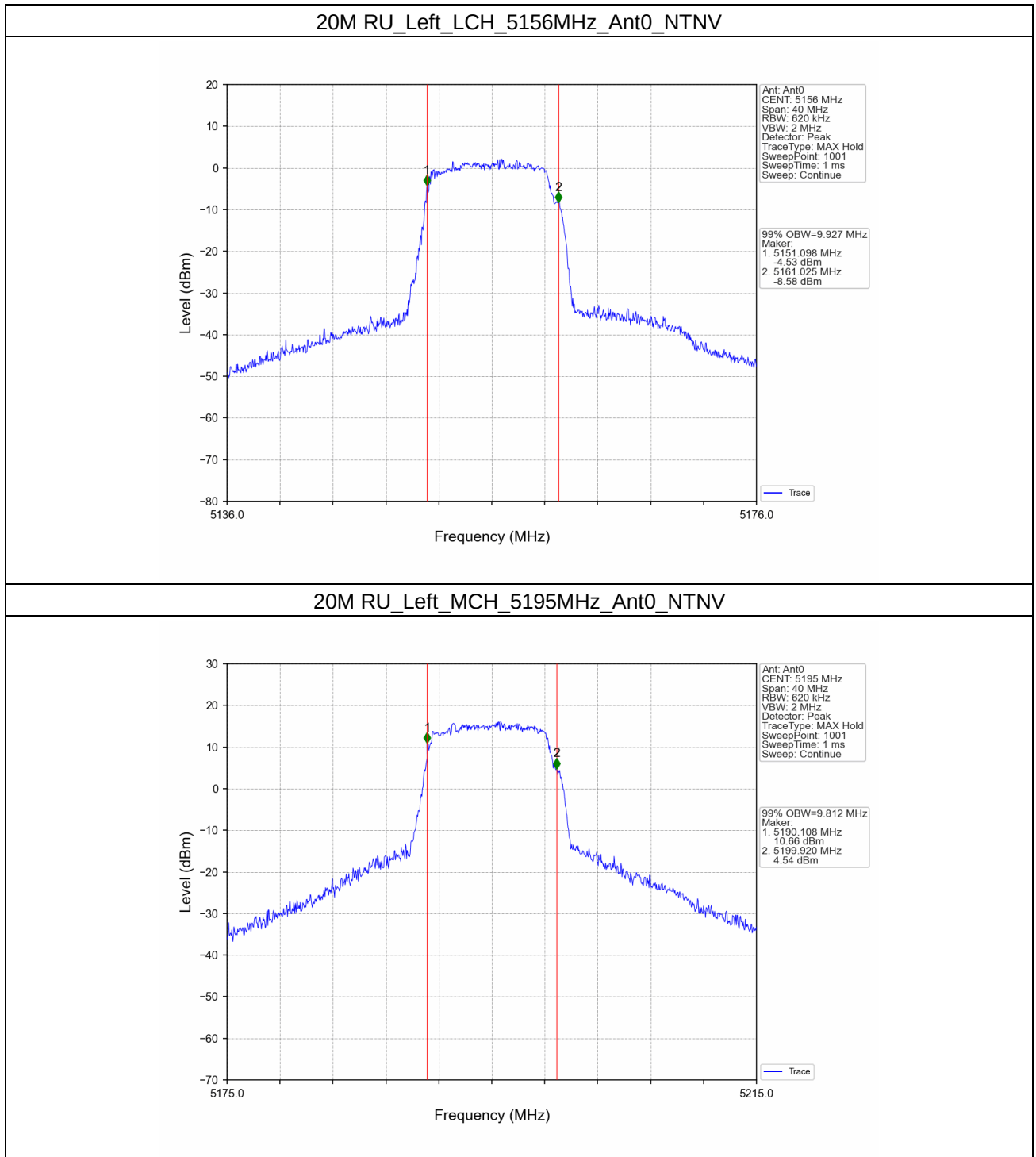
2. Bandwidth

2.1 OBW

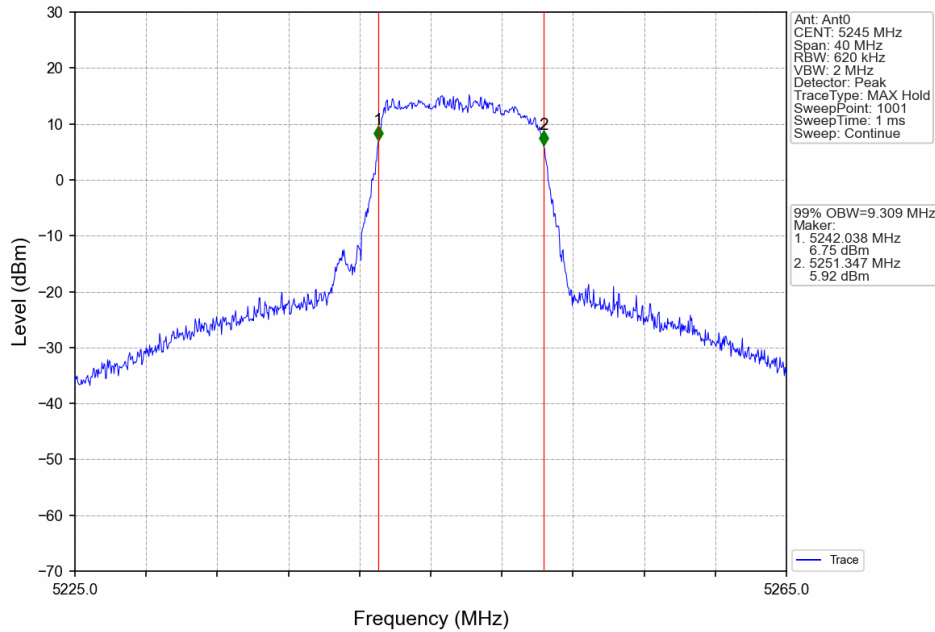
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
20M RU	MIMO	5156	0	9.927	Pass
		5195	0	9.812	Pass
		5245	0	9.309	Pass
40M RU	MIMO	5160	0	18.487	Pass
		5190	0	18.890	Pass
		5240	0	18.524	Pass

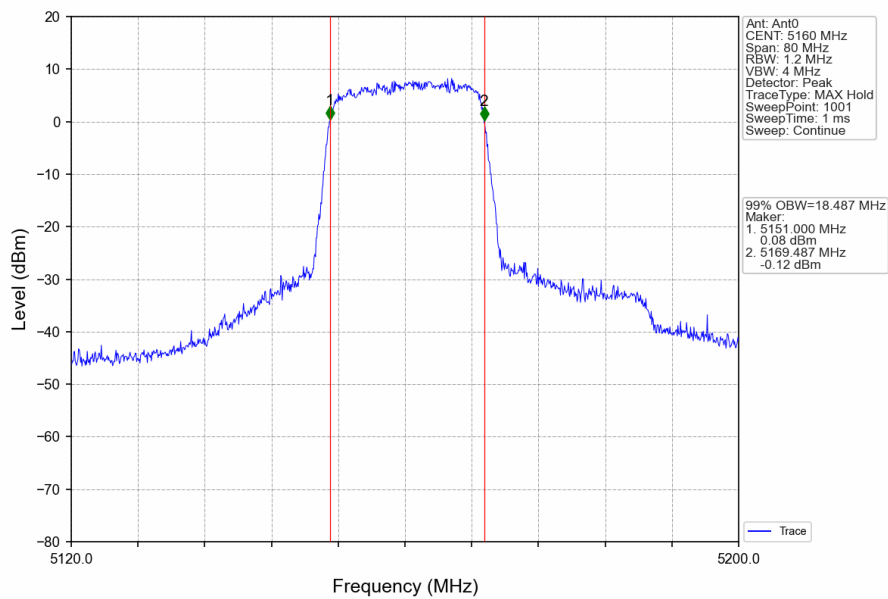
2.1.2 Test Graph



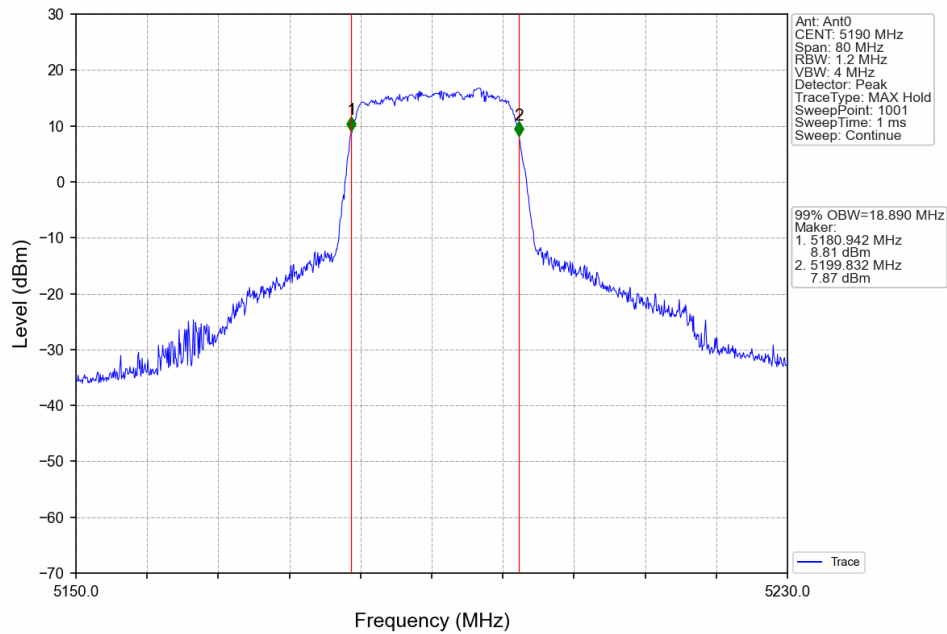
20M RU_Right_HCH_5245MHz_Ant0_NTNV



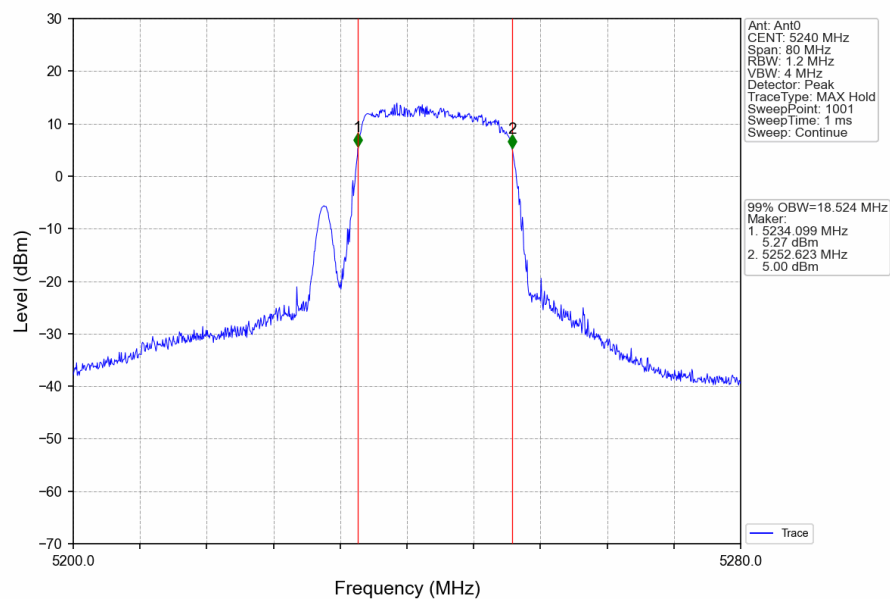
40M RU_LCH_Left_5160MHz_Ant0_NTNV



40M RU_Left_MCH_5190MHz_Ant0_NTNV



40M RU_Right_HCH_5240MHz_Ant0_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	0	10.803	Pass
		5195	0	10.812	Pass
		5245	0	11.755	Pass
40M RU	MIMO	5160	0	19.968	Pass
		5190	0	20.413	Pass
		5240	0	23.877	Pass



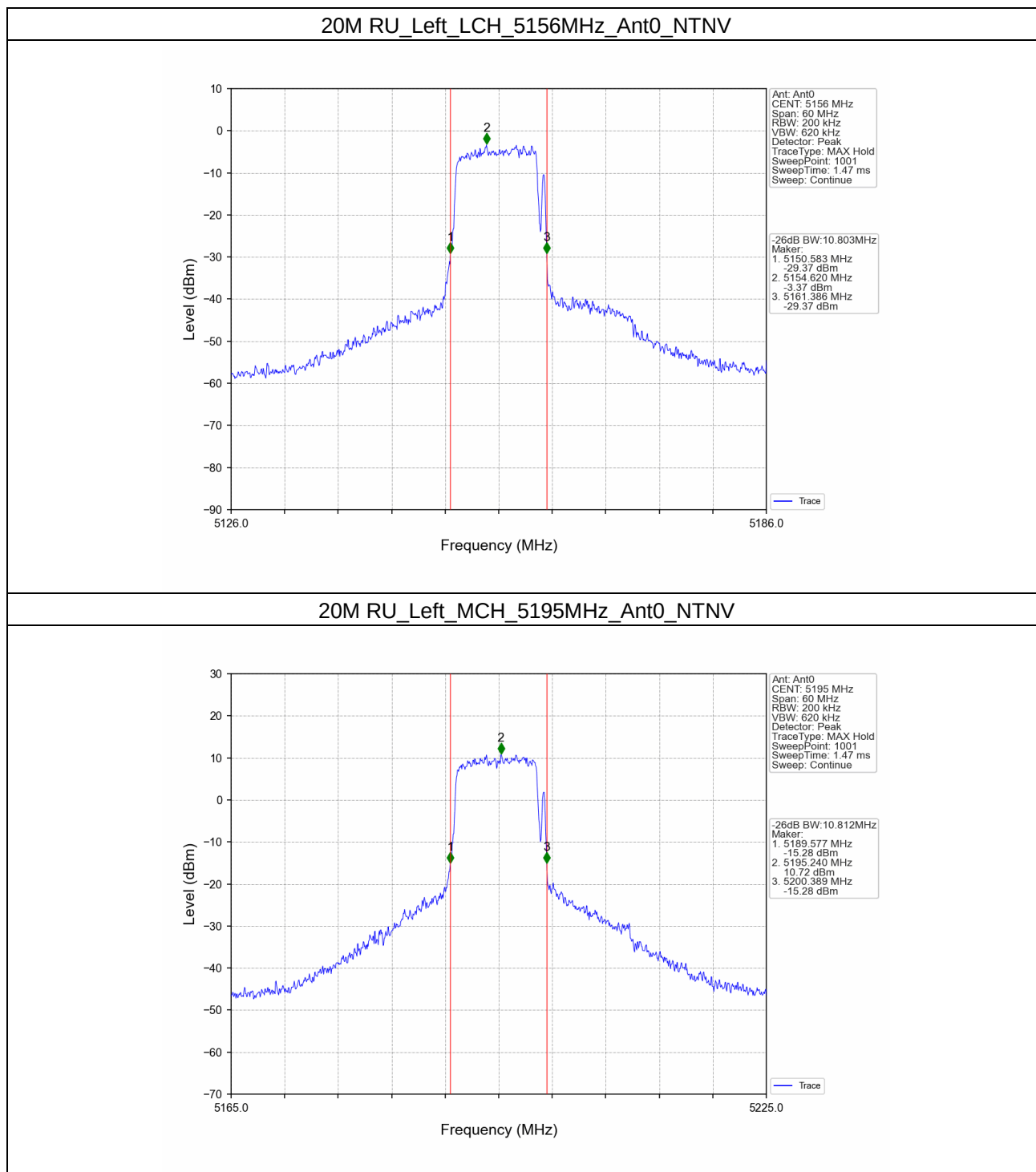
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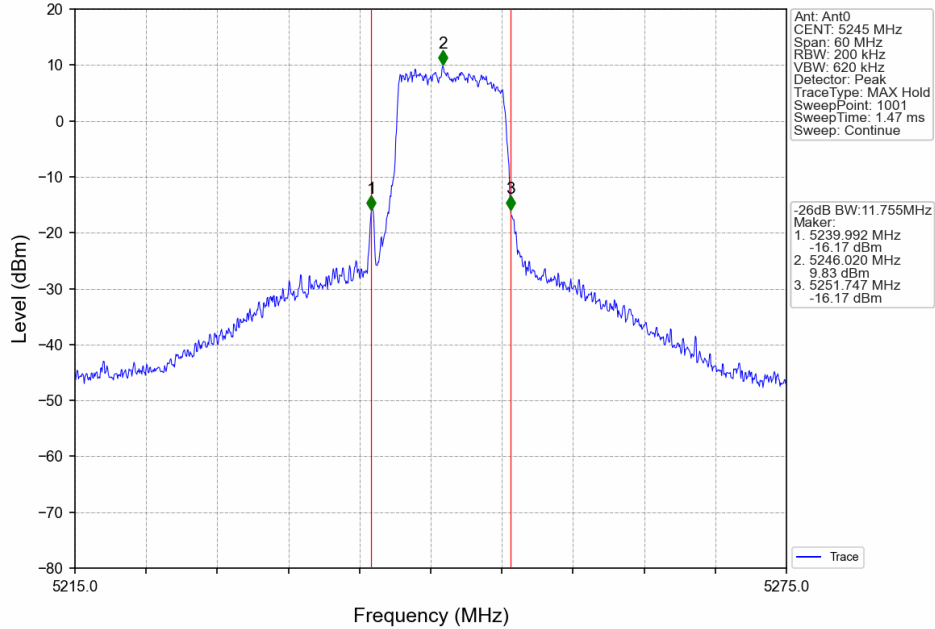
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Shenzhen Branch Testing & Calibration Laboratory

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
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

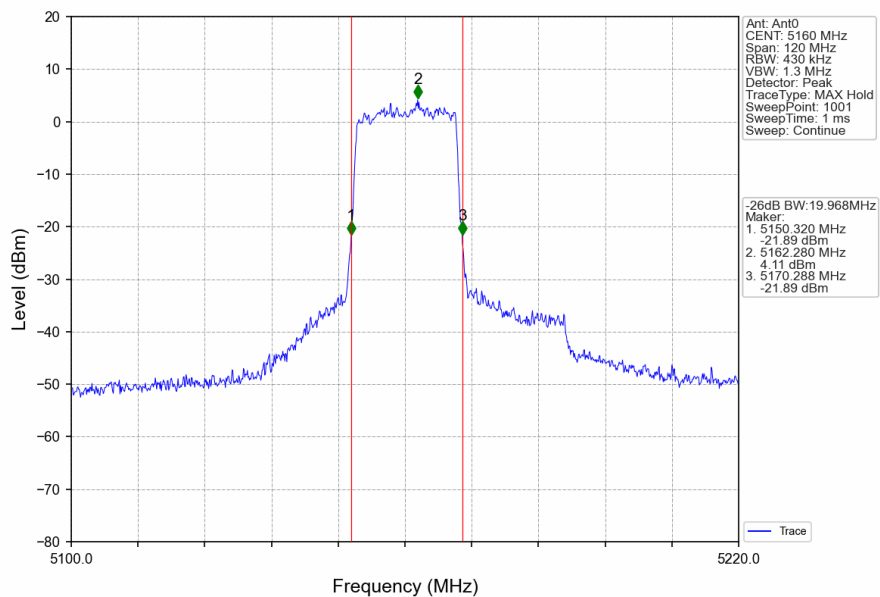
2.2.2 Test Graph



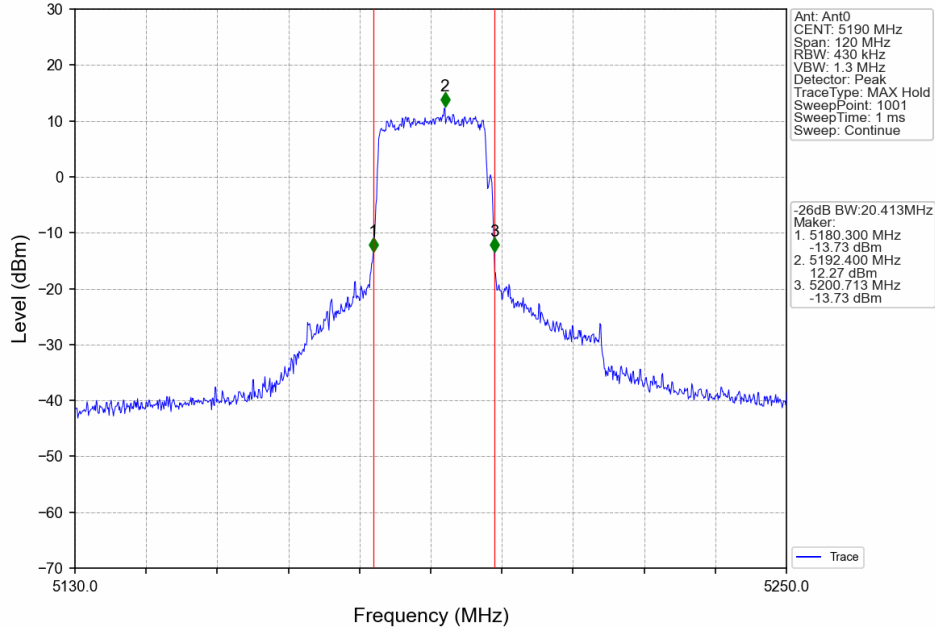
20M RU_Right_HCH_5245MHz_Ant0_NTNV



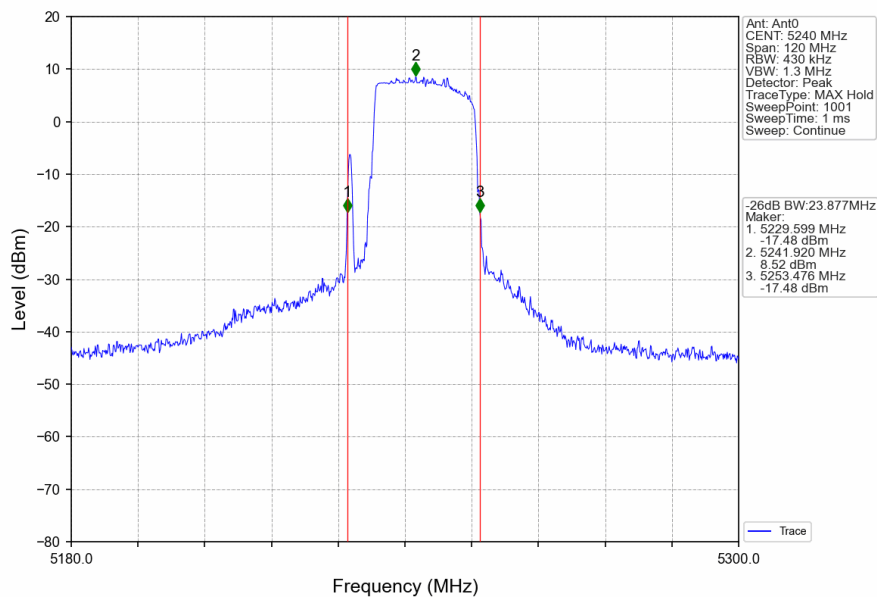
40M RU_LCH_Left_5160MHz_Ant0_NTNV



40M RU_Left_MCH_5190MHz_Ant0_NTNV



40M RU_Right_HCH_5240MHz_Ant0_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
			ANT0	ANT1	MIMO	Limit	
20M RU	MIMO	5156	2.69	2.72	5.72	≤ 23.98	Pass
		5195	15.70	15.51	18.62	≤ 23.98	Pass
		5245	14.75	13.07	17.00	≤ 23.98	Pass
40M RU	MIMO	5160	6.10	6.12	9.12	≤ 23.98	Pass
		5190	15.62	15.46	18.55	≤ 23.98	Pass
		5240	15.97	15.69	18.84	≤ 23.98	Pass

Note1: Antenna Gain: Ant0: 1.50dBi; Ant1: 1.50dBi;

Directional gain (dBi) = gain of individual transmit antennas (dBi) + array gain (dB)=1.5dBi

Array Gain = 0 dB for $N_{ANT} \leq 4$

4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

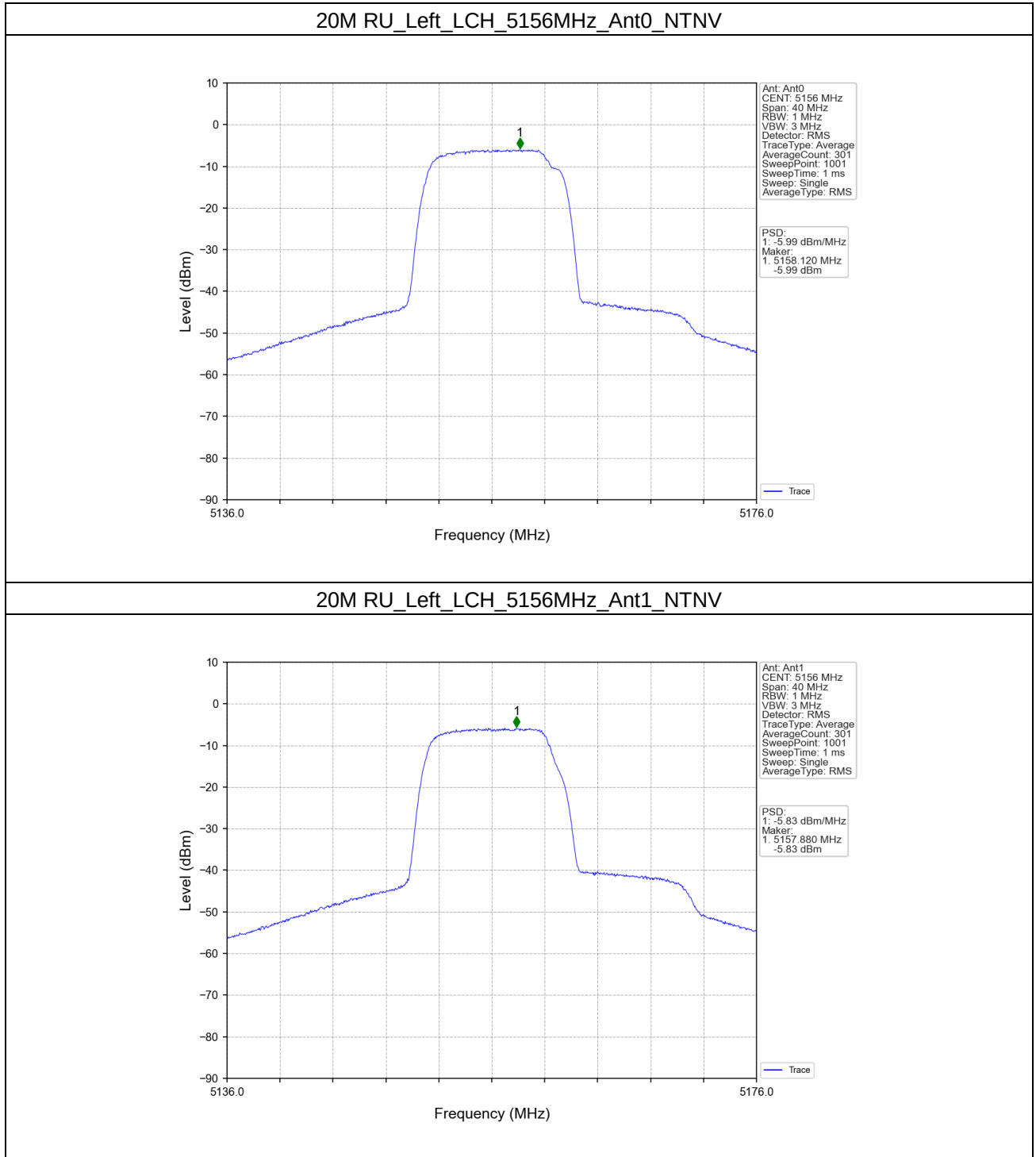
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT0	ANT1	MIMO	Limit	
20M RU	MIMO	5156	-5.99	-5.83	-3.02	≤ 11	Pass
		5195	7.30	6.92	9.89	≤ 11	Pass
		5245	7.01	5.23	9.11	≤ 11	Pass
40M RU	MIMO	5160	-5.44	-5.37	-2.56	≤ 11	Pass
		5190	4.01	4.00	6.84	≤ 11	Pass
		5240	5.51	5.03	8.08	≤ 11	Pass

Note1: Antenna Gain: Ant0: 1.50dBi; Ant1: 1.50dBi;

Directional gain (dBi) = gain of individual transmit antennas (dBi) + array gain (dB)=4.51dBi

Array gain = $10 \log(N_{ANT})$, where N_{ANT} is the number of transmit antennas

4.1.2 Test Graph

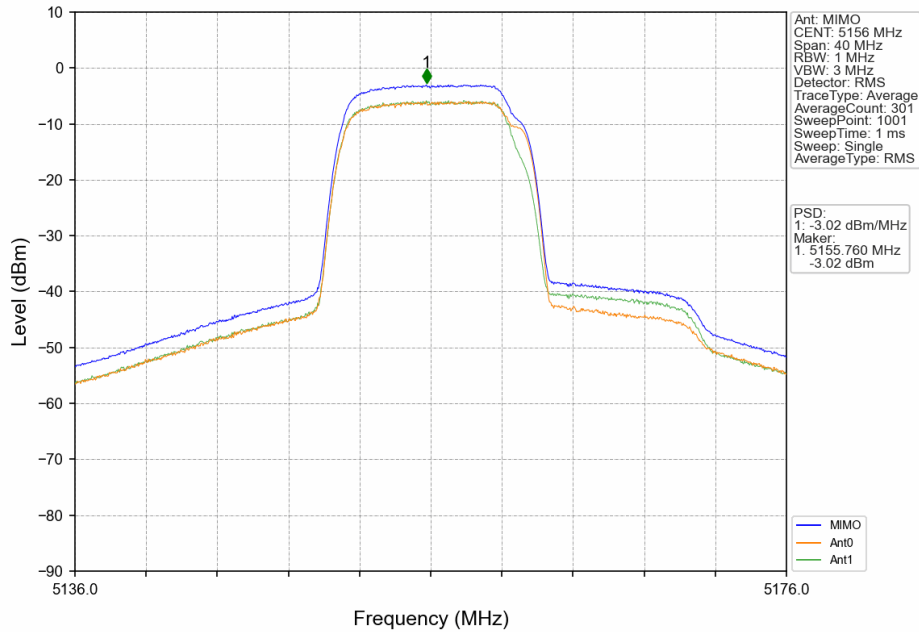


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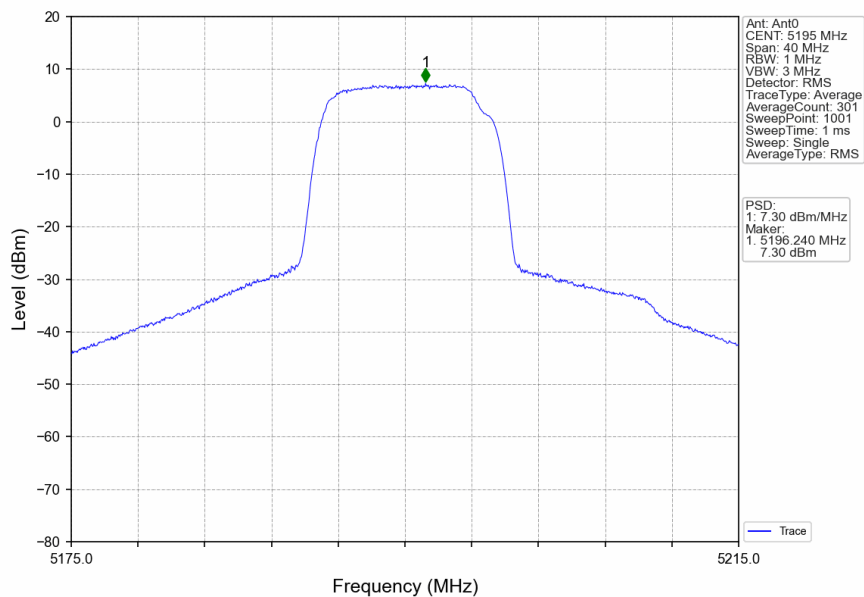
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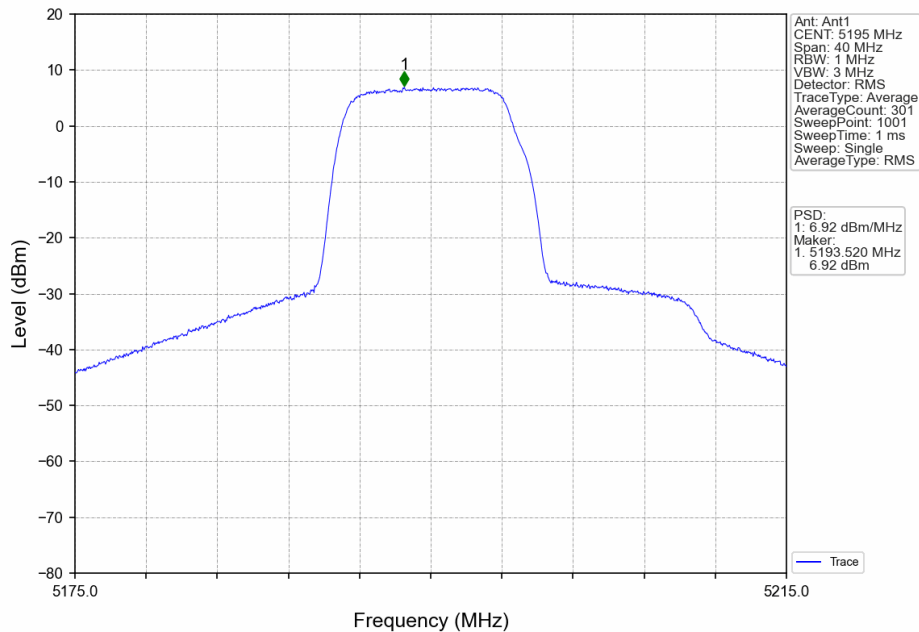
20M RU_Left_LCH_5156MHz_MIMO_NTNV



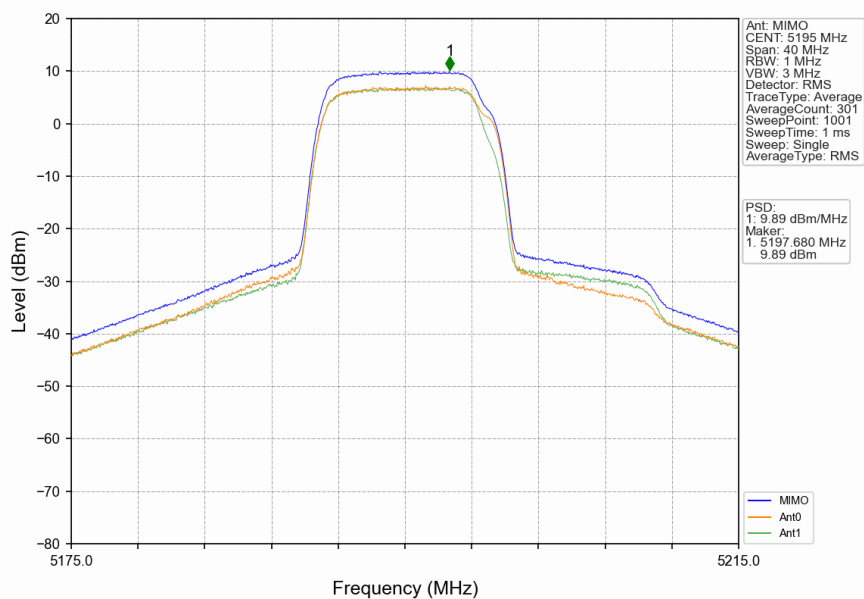
20M RU_Left_MCH_5195MHz_Ant0_NTNV



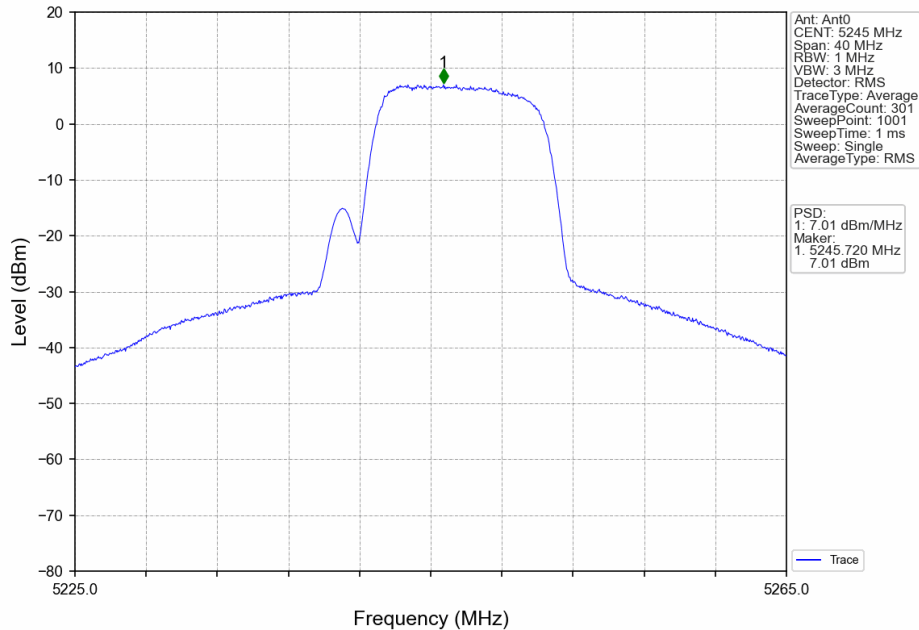
20M RU_Left_MCH_5195MHz_Ant1_NTNV



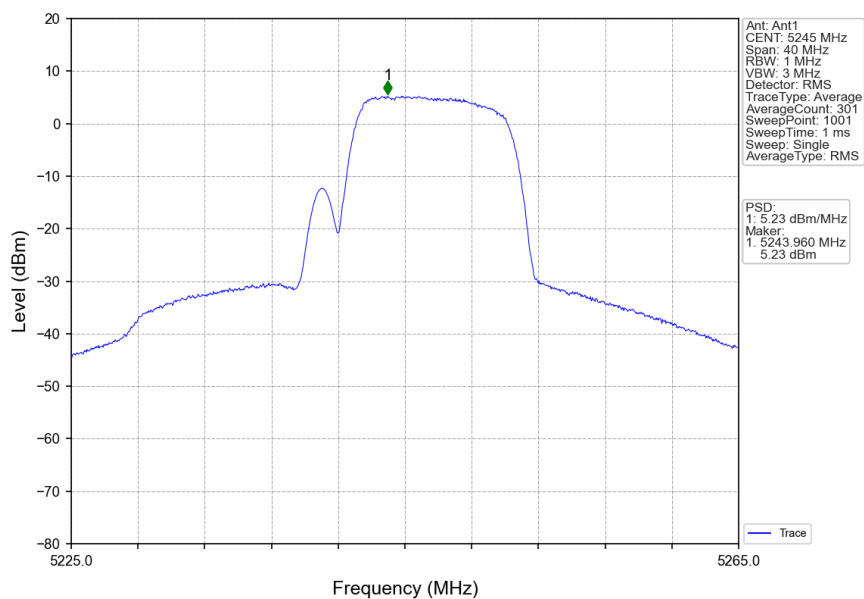
20M RU_Left_MCH_5195MHz_MIMO_NTNV



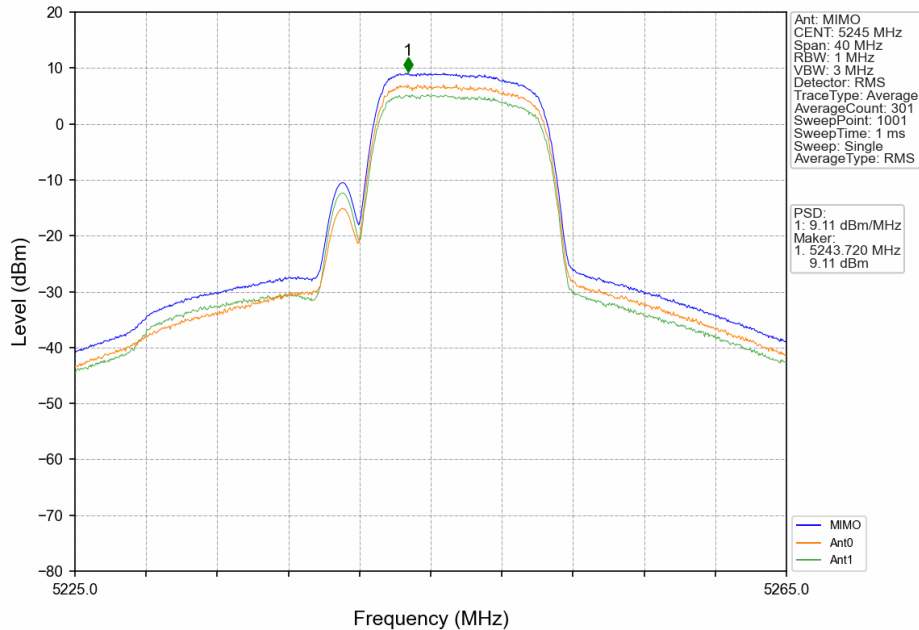
20M RU_Right_HCH_5245MHz_Ant0_NTNV



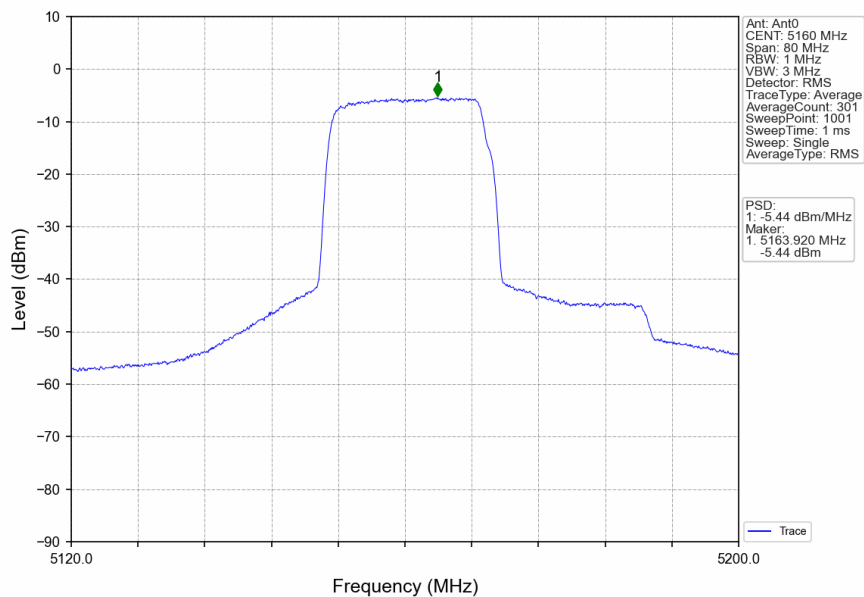
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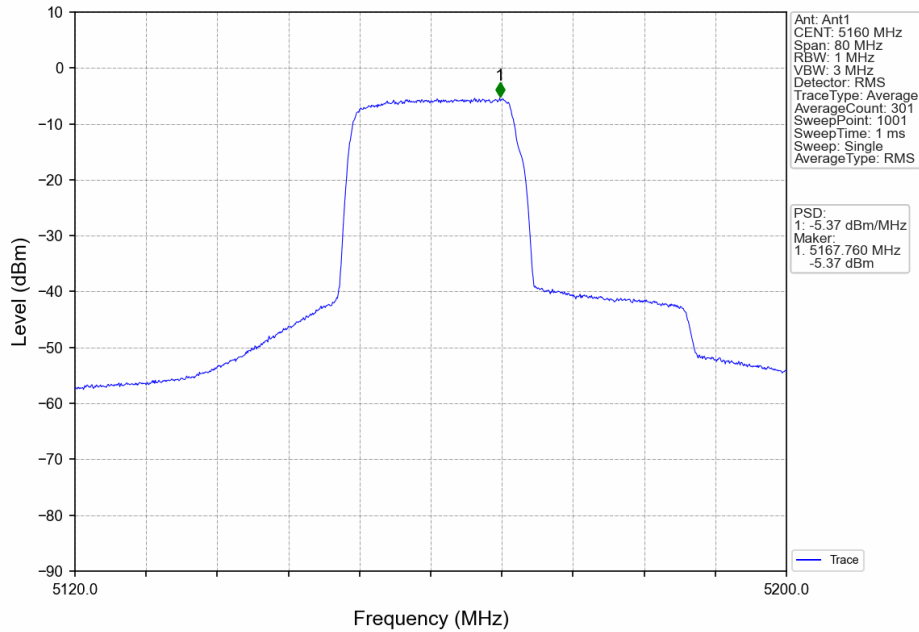
20M RU_Right_HCH_5245MHz_MIMO_NTNV



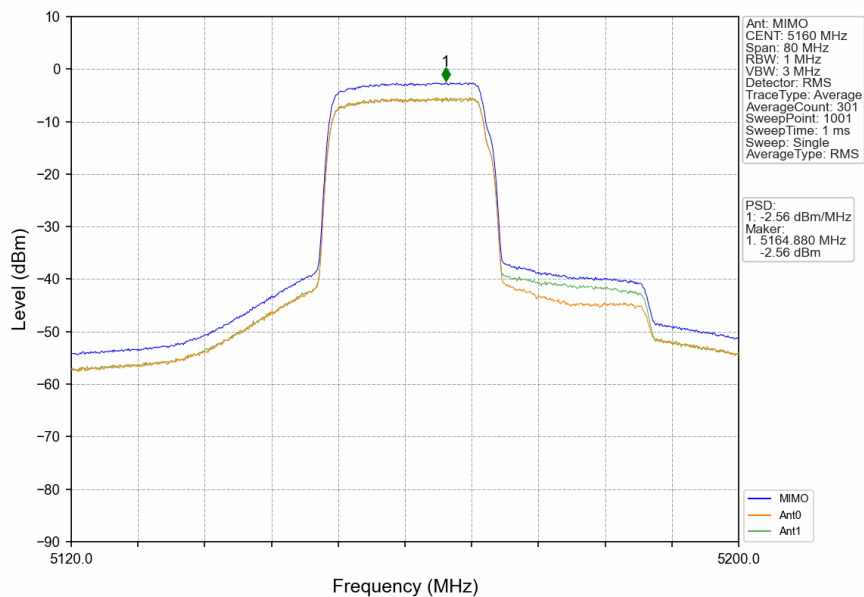
40M RU_LCH_Left_5160MHz_Ant0_NTNV



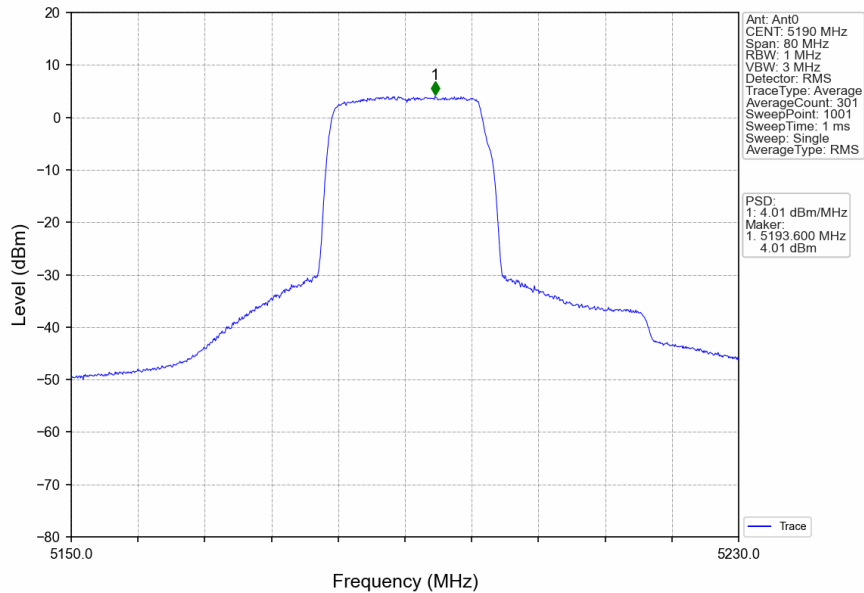
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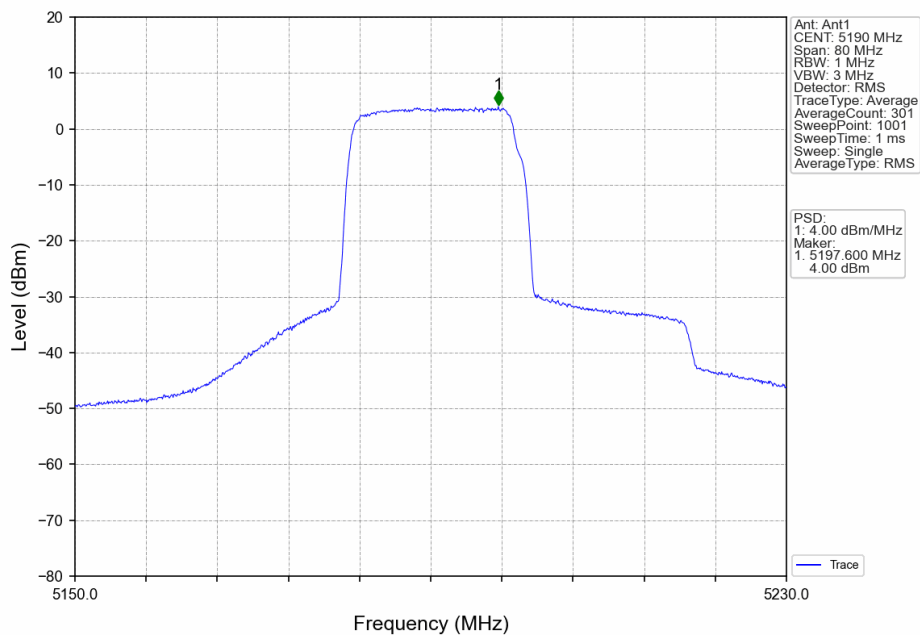
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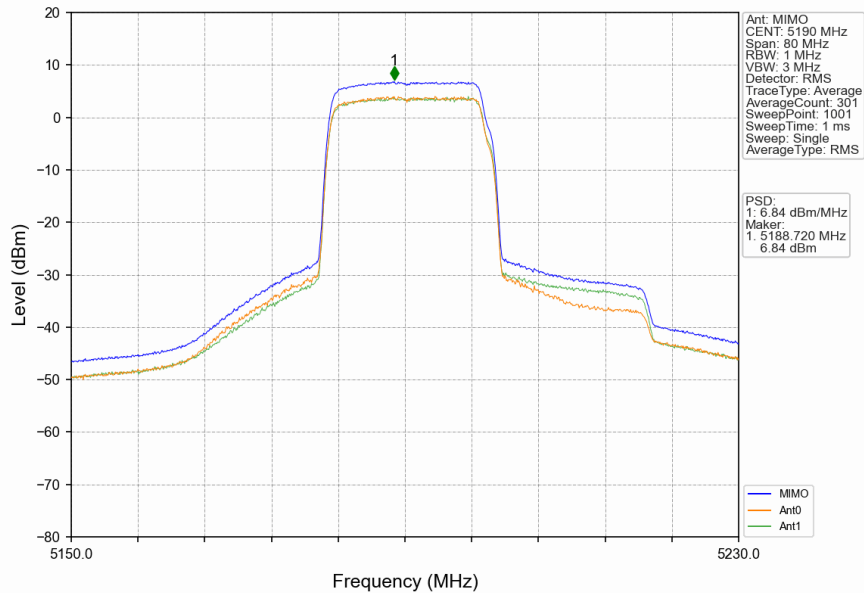
40M RU_Left_MCH_5190MHz_Ant0_NTNV



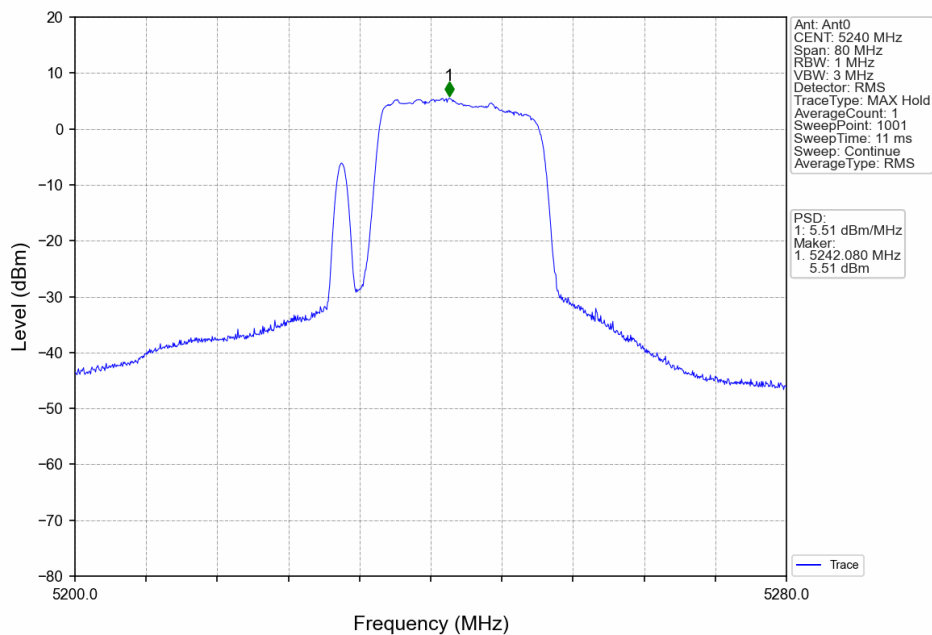
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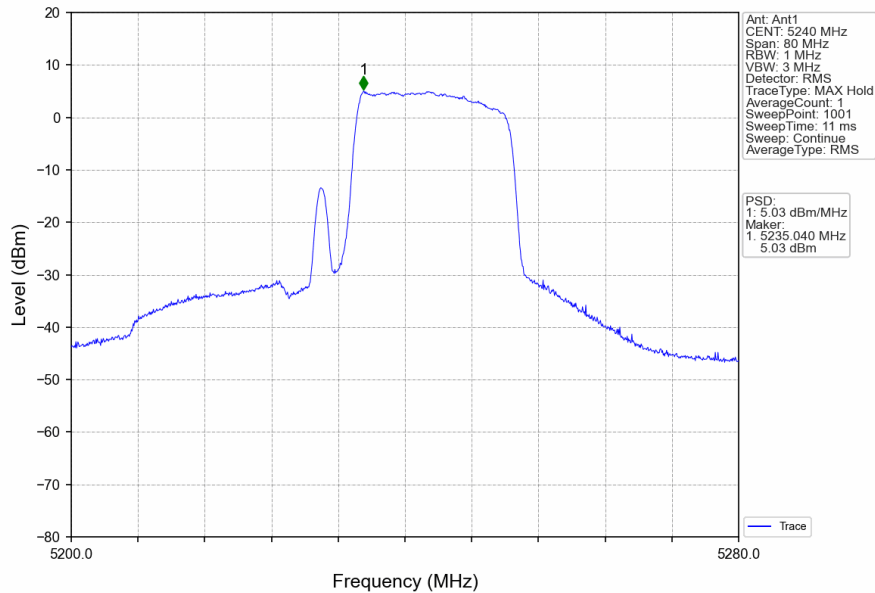
40M RU_Left_MCH_5190MHz_MIMO_NTNV



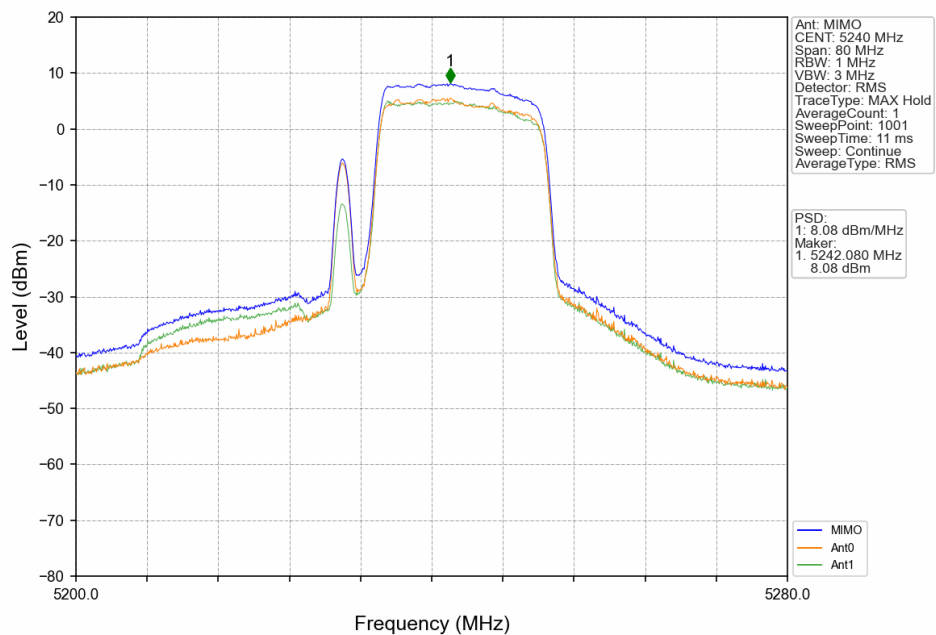
40M RU_Right_HCH_5240MHz_Ant0_NTNV



40M RU_Right_HCH_5240MHz_Ant1_NTNV



40M RU_Right_HCH_5240MHz_MIMO_NTNV



5.8G SDR SISO Mode

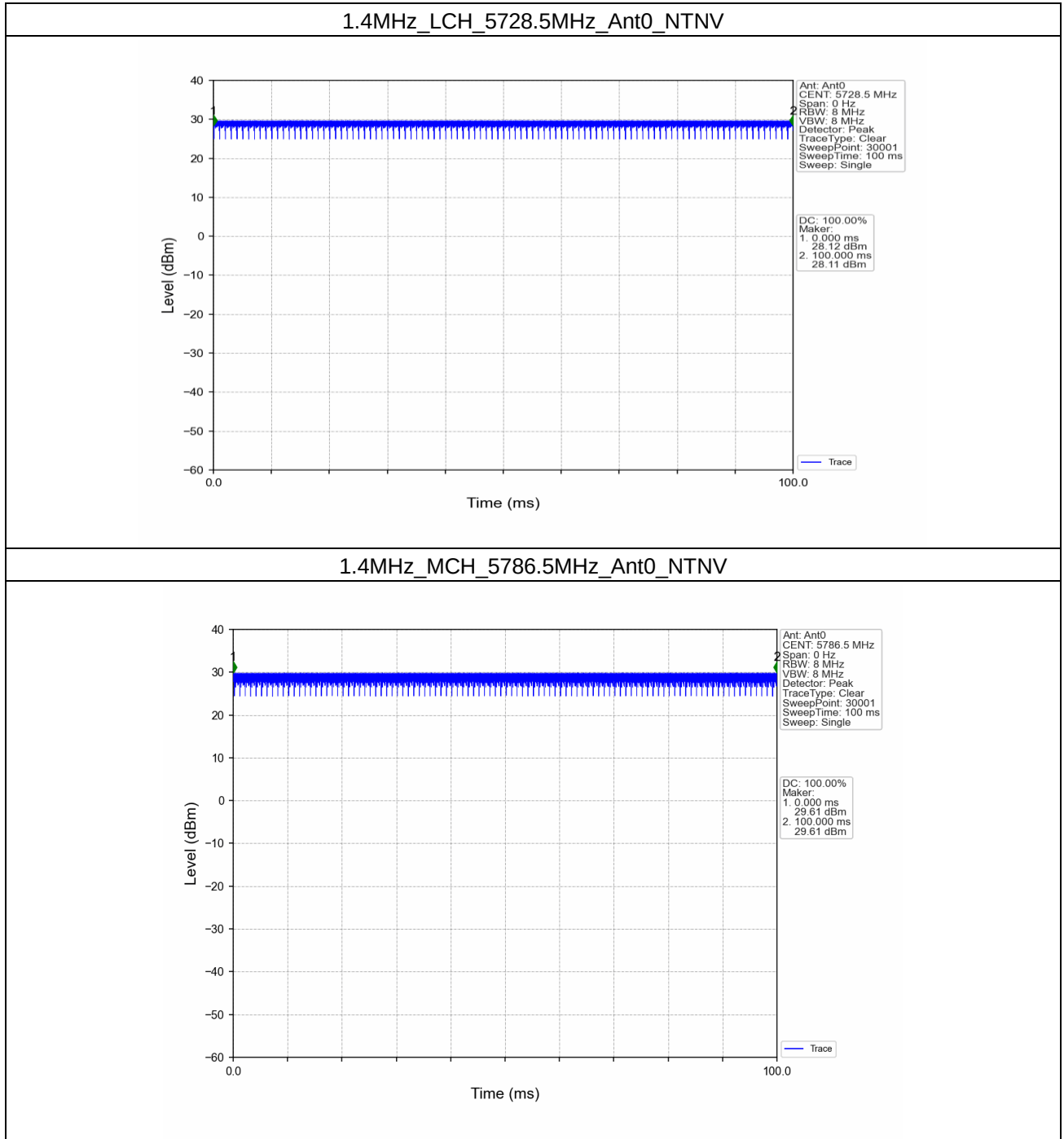
1. Duty Cycle

1.1 Ant0

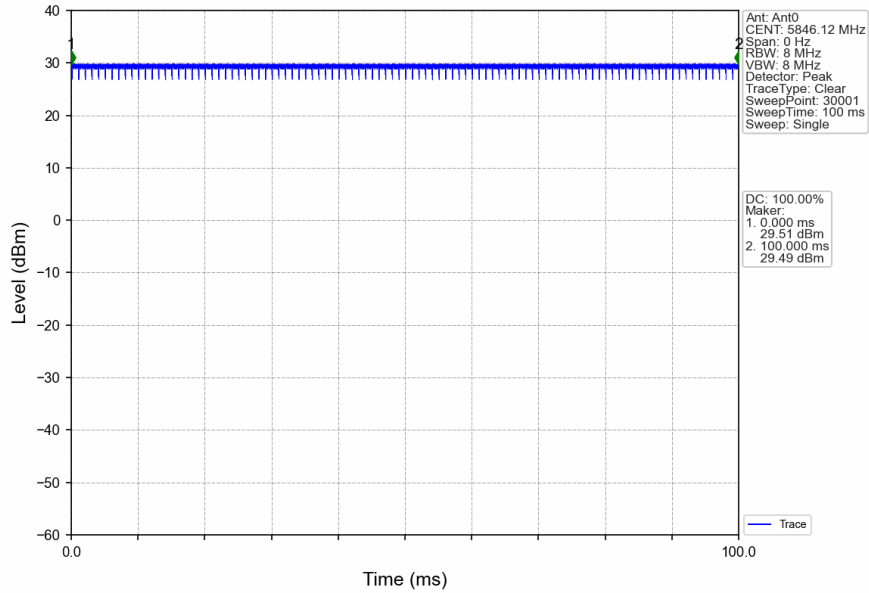
1.1.1 Test Result

Ant0							
Mode	Tx Type	Frequency (MHz)	T _{on} (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1.4MHz	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
3MHz	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
5MHz	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
10MHz	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
20MHz	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
40MHz	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
60MHz	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
80MHz	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

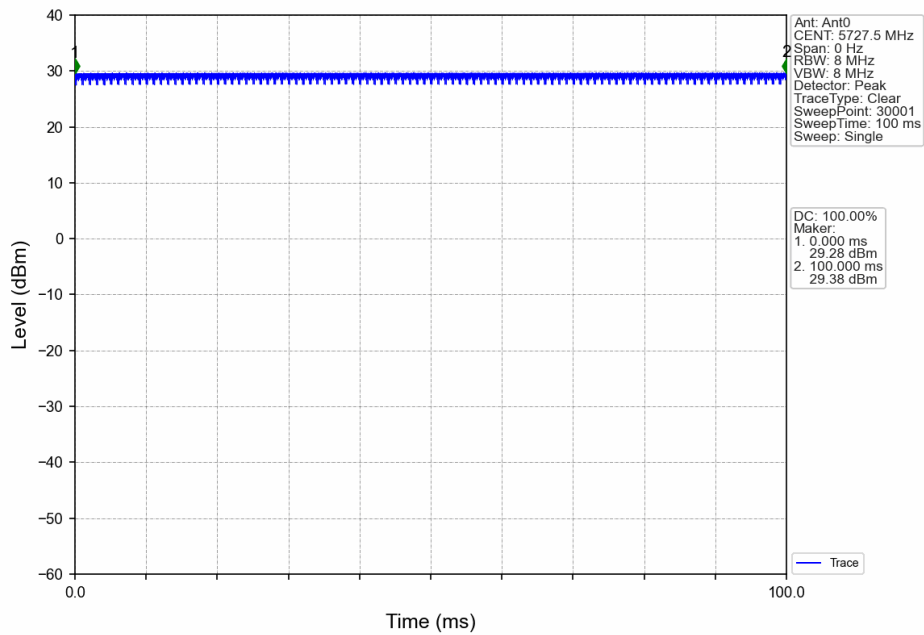
1.1.2 Test Graph



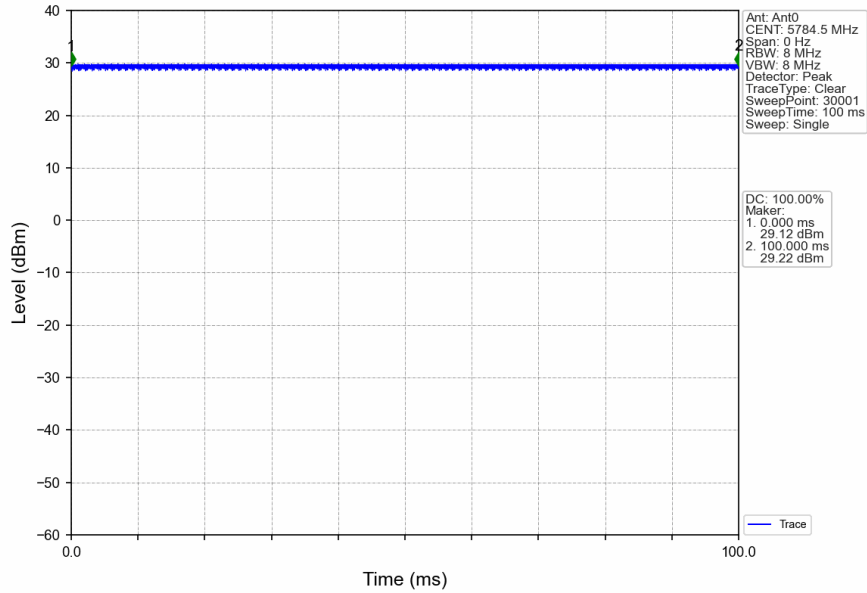
1.4MHz_HCH_5846.12MHz_Ant0_NTNV



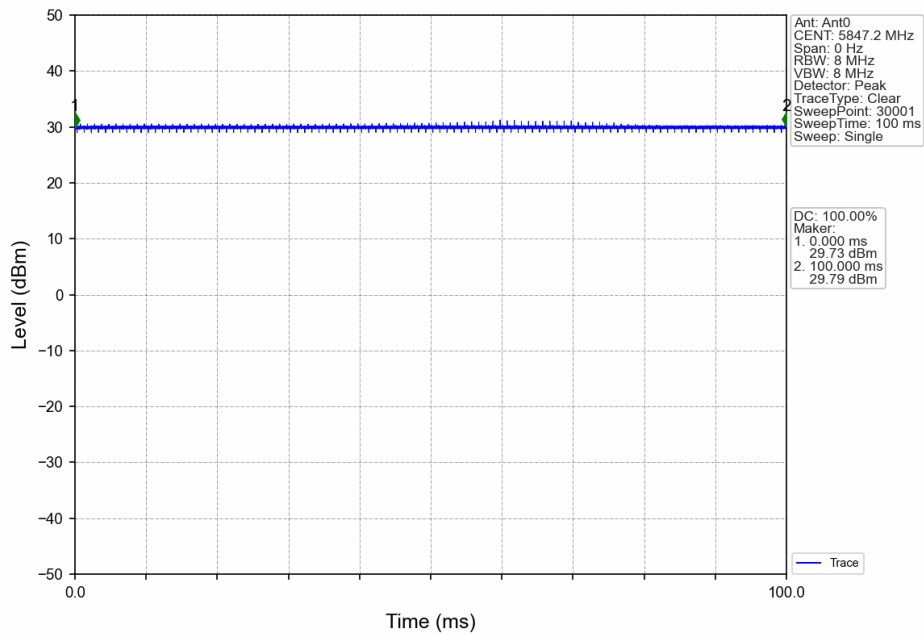
3MHz_LCH_5727.5MHz_Ant0_NTNV



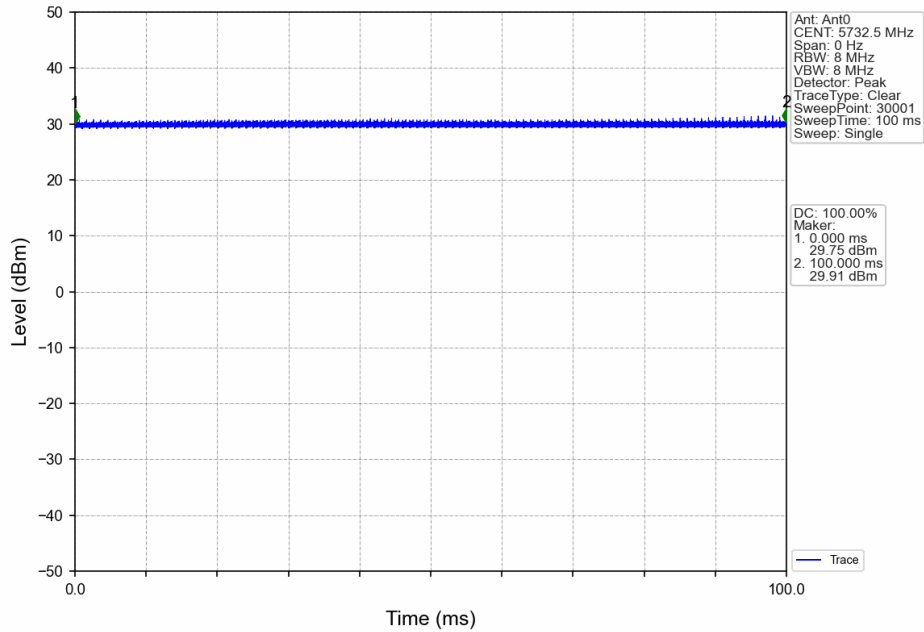
3MHz_MCH_5784.5MHz_Ant0_NTNV



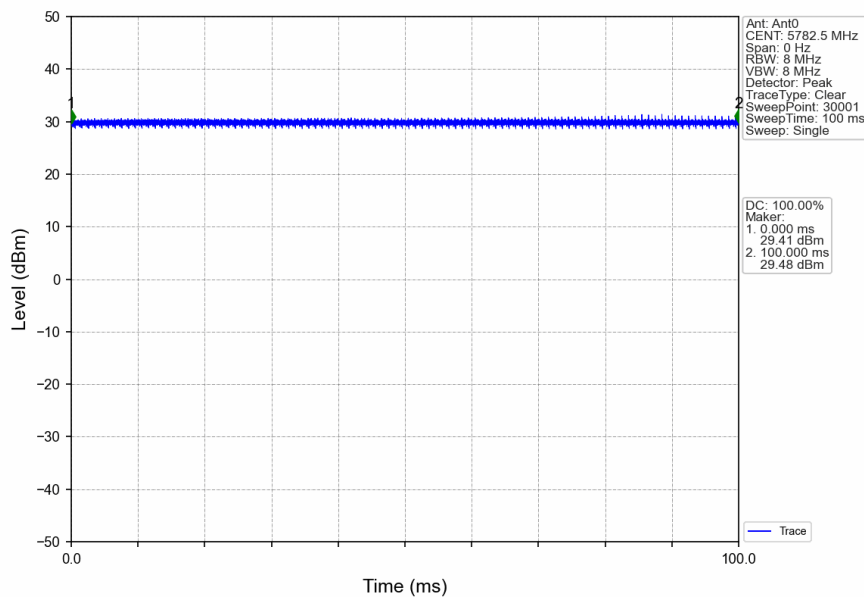
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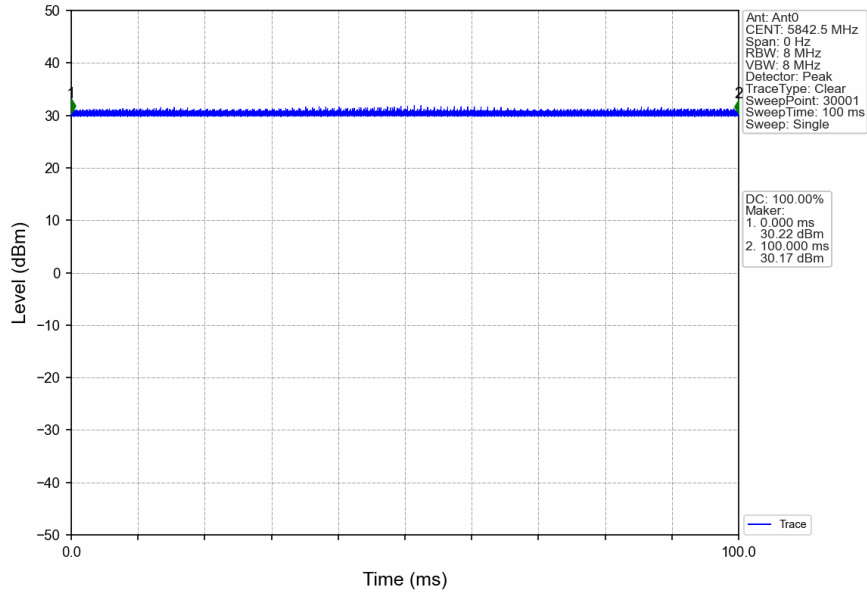
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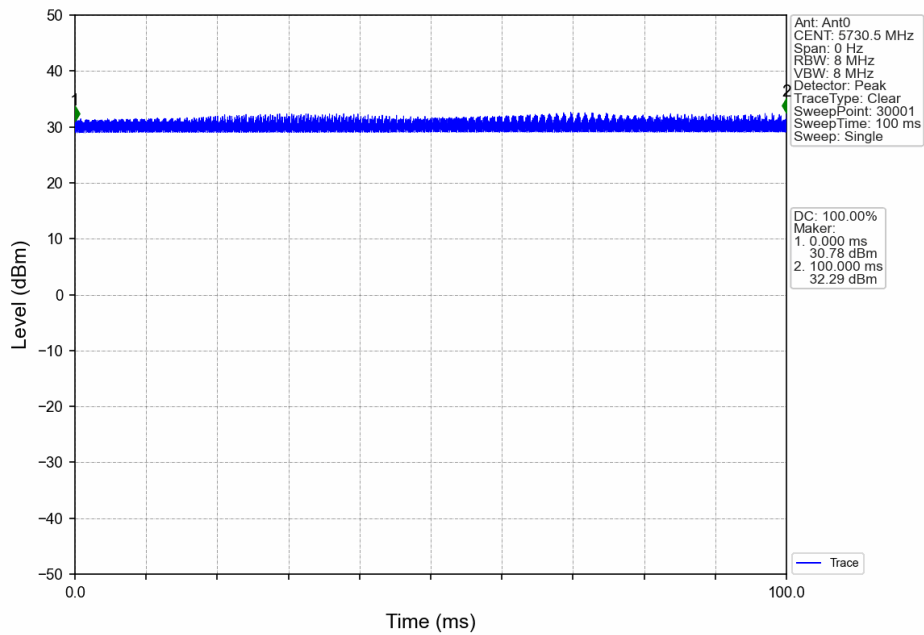
5MHz_MCH_5782.5MHz_Ant0_NTNV



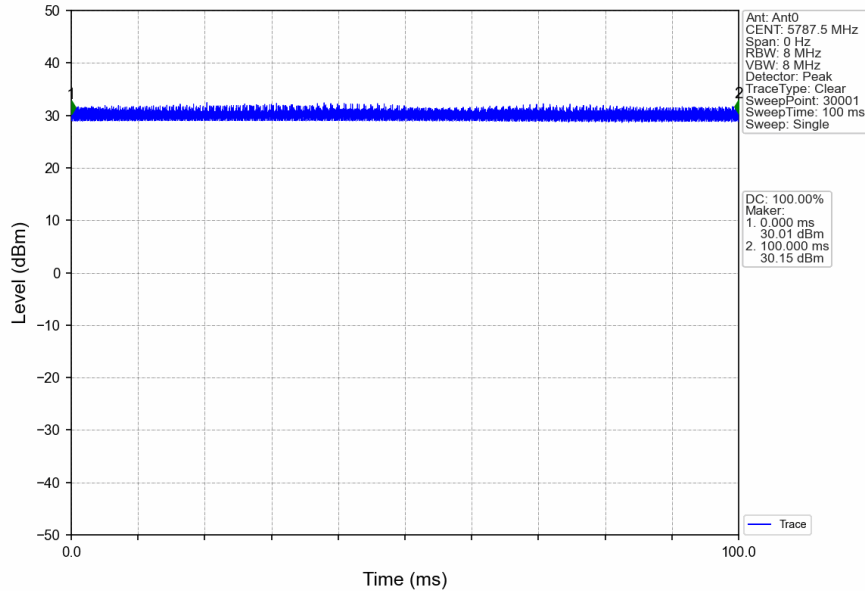
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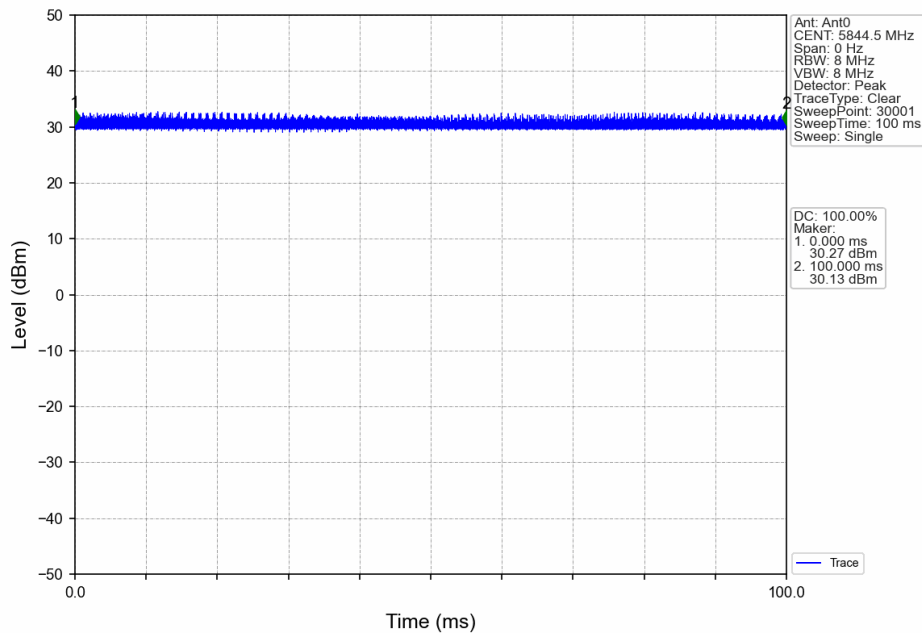
10MHz_LCH_5730.5MHz_Ant0_NTNV



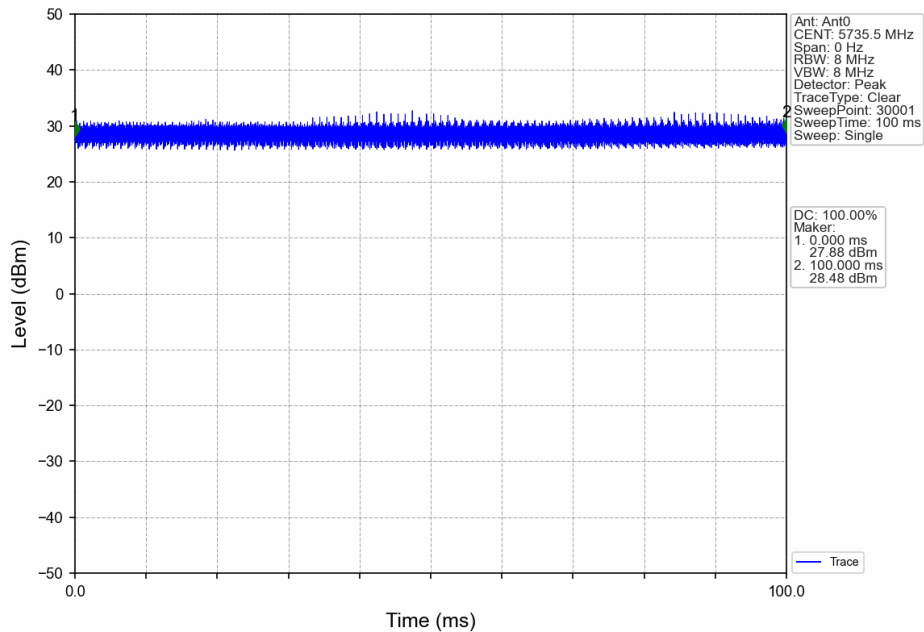
10MHz_MCH_5787.5MHz_Ant0_NTNV



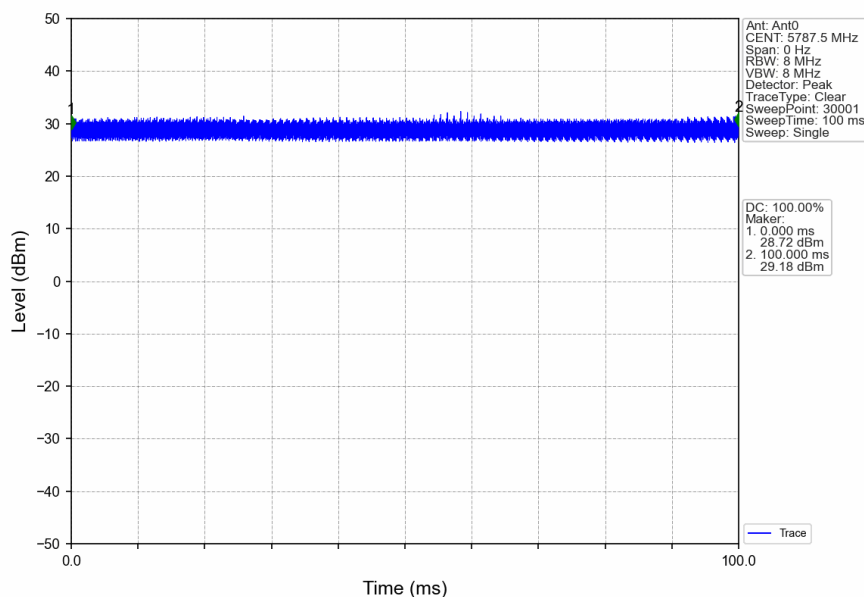
10MHz_HCH_5844.5MHz_Ant0_NTNV



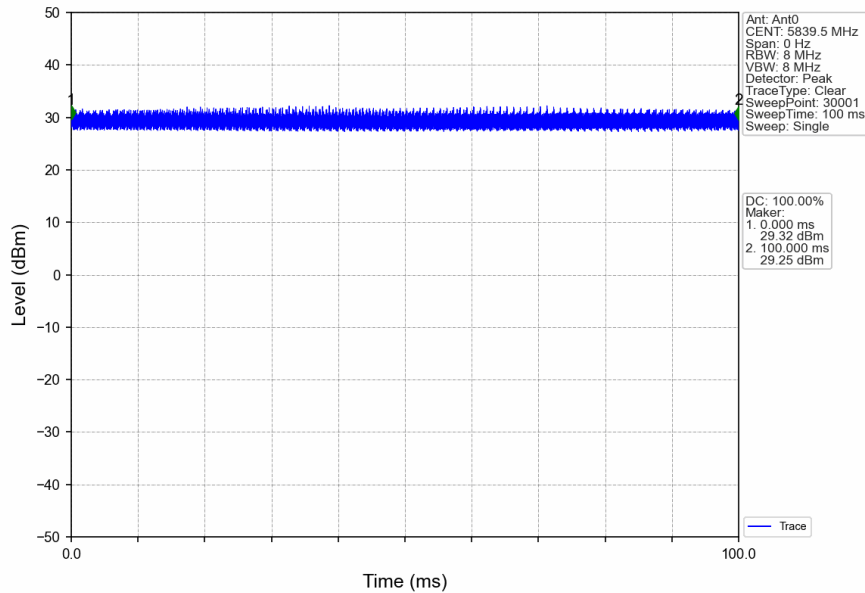
20MHz_LCH_5735.5MHz_Ant0_NTNV



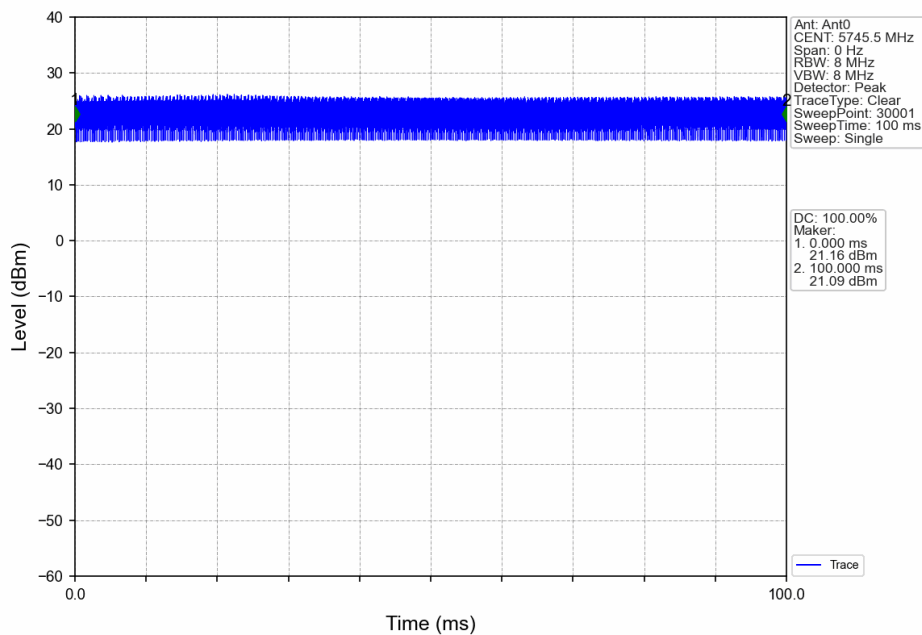
20MHz_MCH_5787.5MHz_Ant0_NTNV



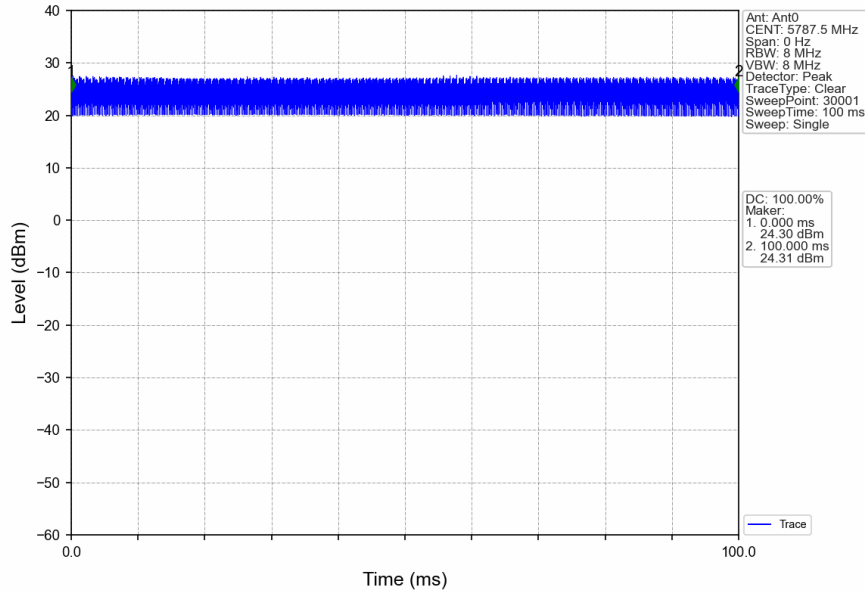
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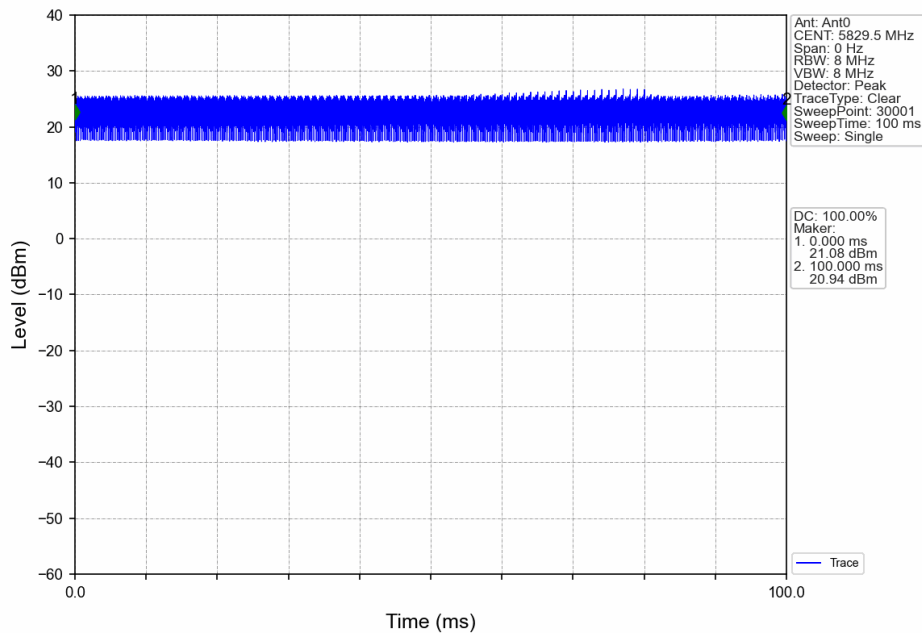
40MHz_LCH_5745.5MHz_Ant0_NTNV



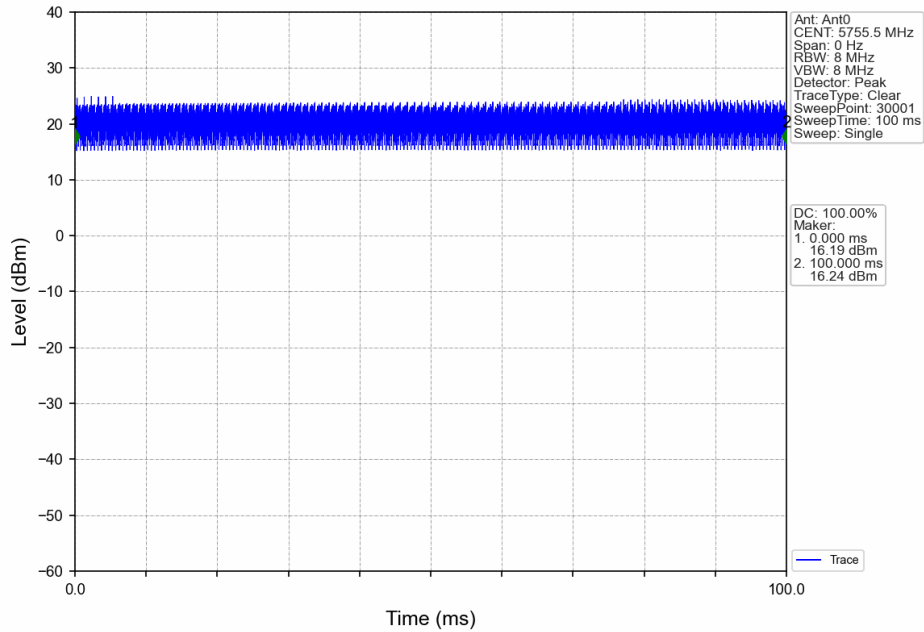
40MHz_MCH_5787.5MHz_Ant0_NTNV



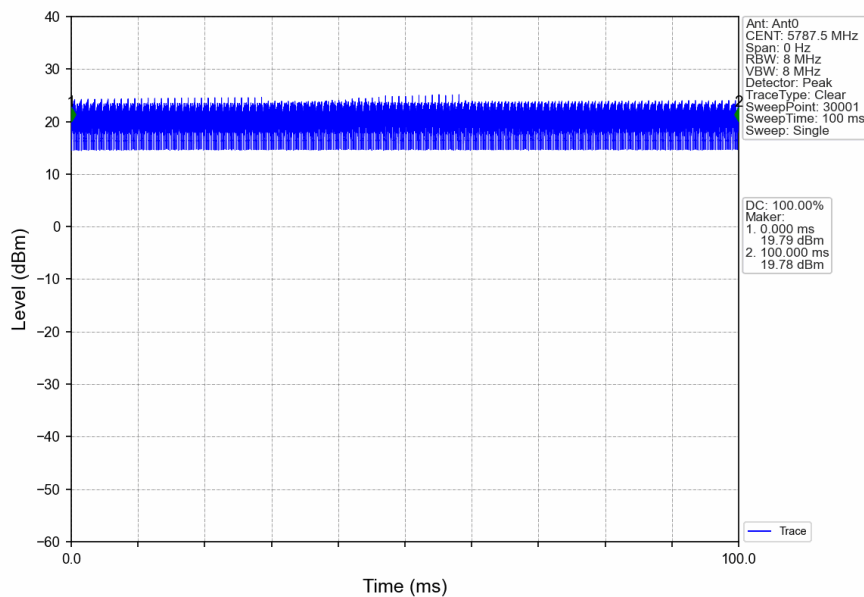
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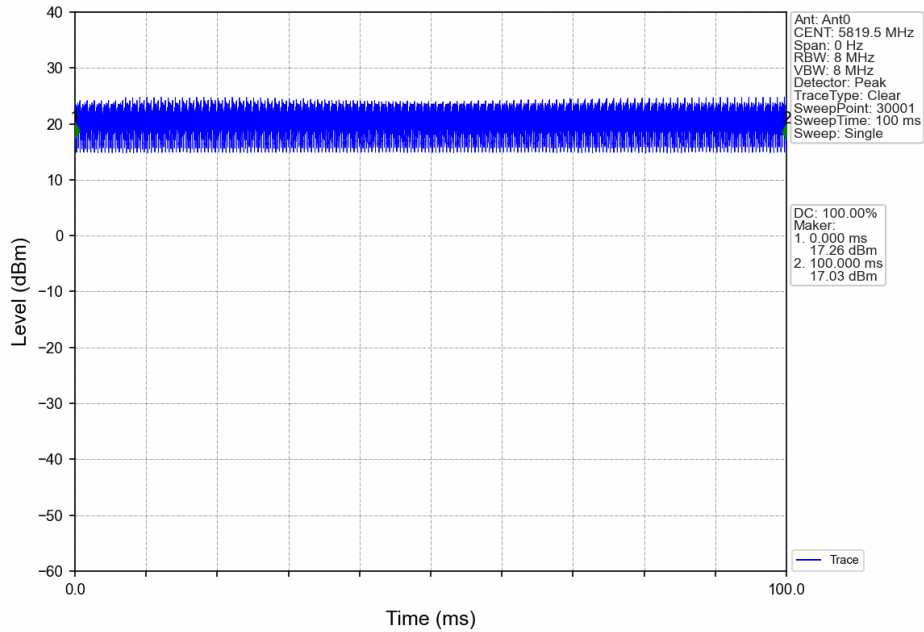
60MHz_LCH_5755.5MHz_Ant0_NTNV



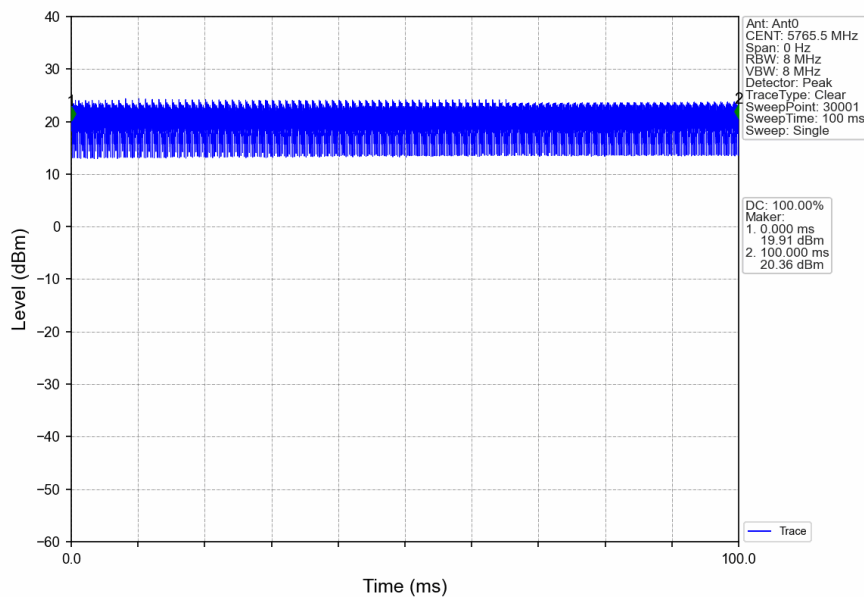
60MHz_MCH_5787.5MHz_Ant0_NTNV



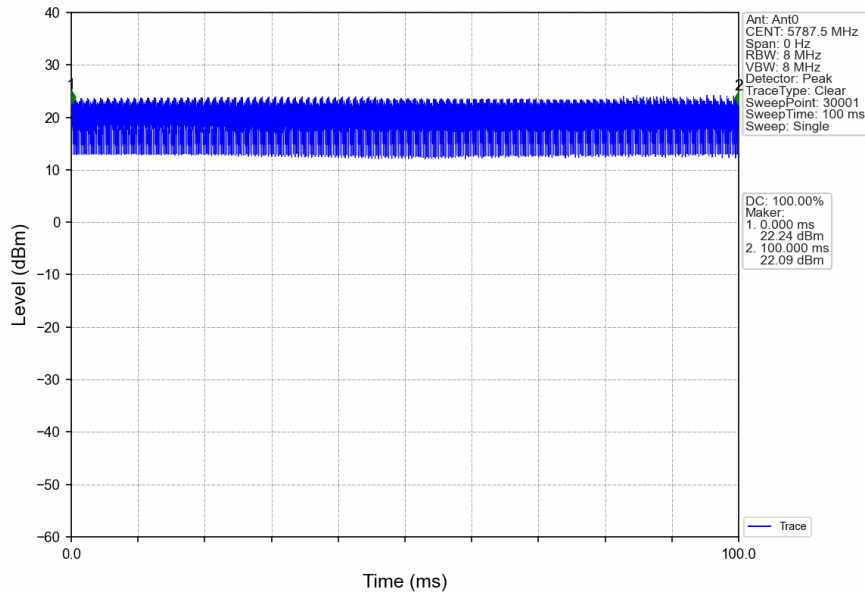
60MHz_HCH_5819.5MHz_Ant0_NTNV



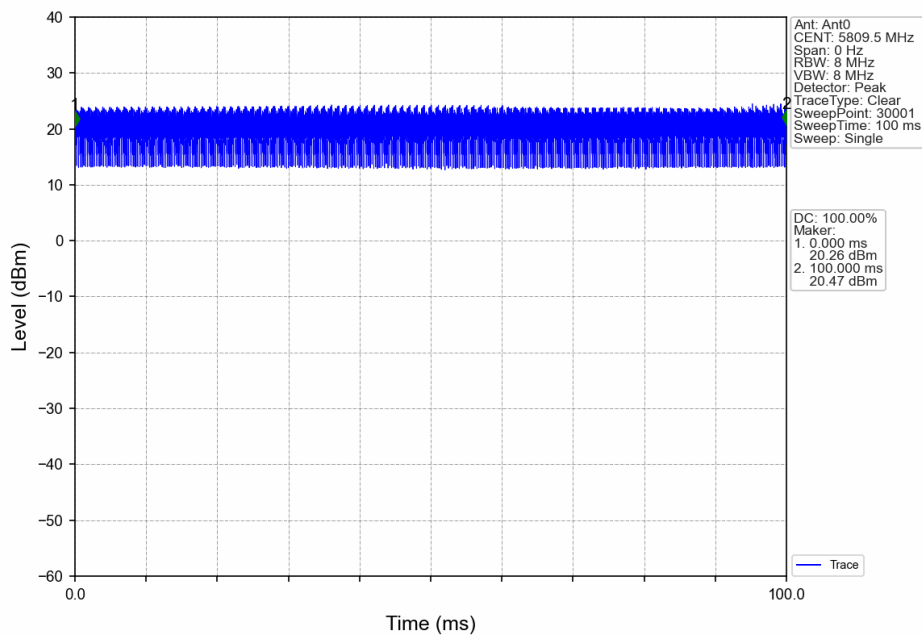
80MHz_LCH_5765.5MHz_Ant0_NTNV



80MHz_MCH_5787.5MHz_Ant0_NTNV



80MHz_HCH_5809.5MHz_Ant0_NTNV



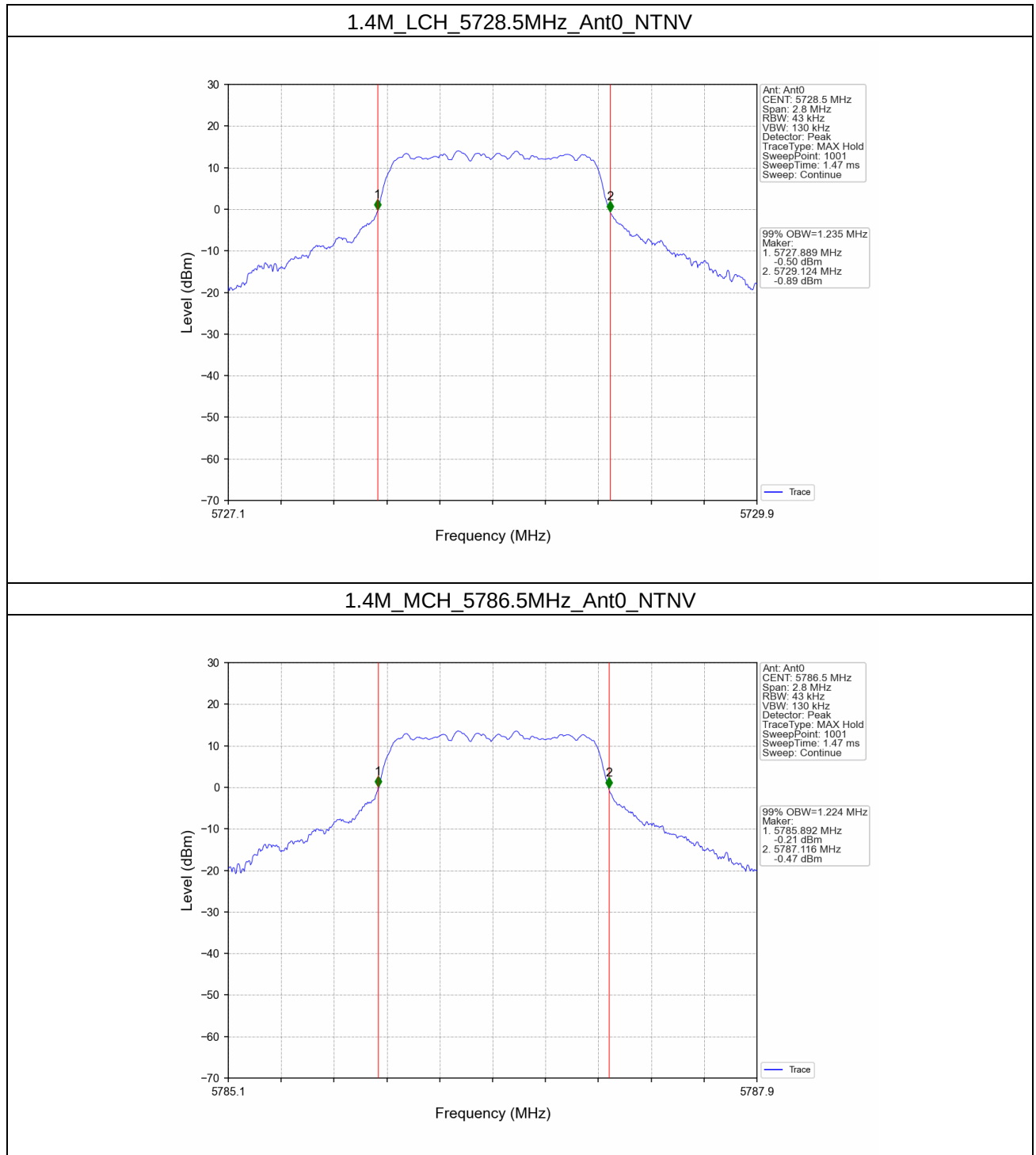
2. Bandwidth

2.1 OBW

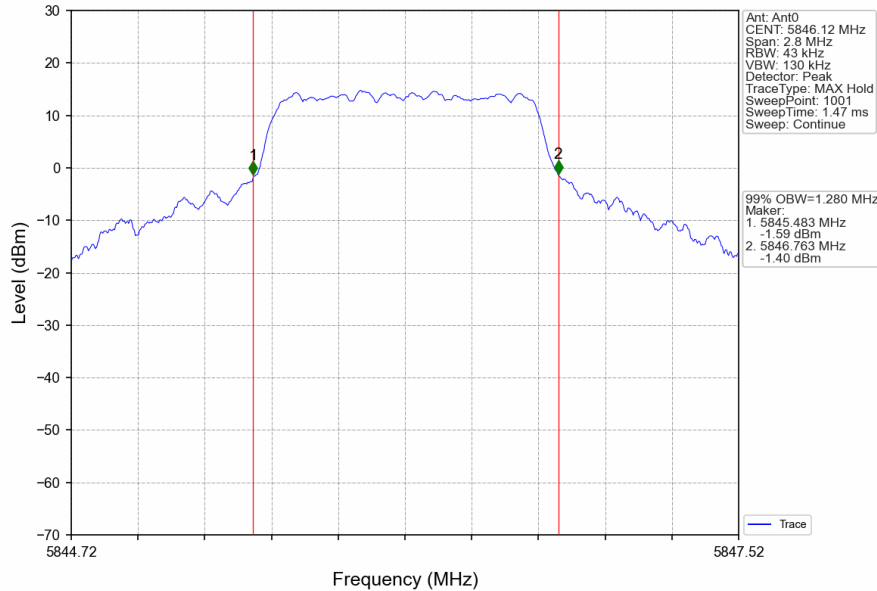
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1.4MHz	SISO	5728.5	0	1.235	Pass
		5786.5	0	1.224	Pass
		5846.12	0	1.280	Pass
3MHz	SISO	5727.5	0	2.332	Pass
		5784.5	0	2.301	Pass
		5847.2	0	2.335	Pass
5MHz	SISO	5732.5	0	4.483	Pass
		5782.5	0	4.464	Pass
		5842.5	0	4.482	Pass
10MHz	SISO	5730.5	0	9.239	Pass
		5787.5	0	9.228	Pass
		5844.5	0	9.362	Pass
20MHz	SISO	5735.5	0	18.358	Pass
		5787.5	0	18.274	Pass
		5839.5	0	18.292	Pass
40MHz	SISO	5745.5	0	36.715	Pass
		5787.5	0	38.185	Pass
		5829.5	0	36.594	Pass
60MHz	SISO	5755.5	0	54.436	Pass
		5787.5	0	54.462	Pass
		5819.5	0	54.442	Pass
80MHz	SISO	5765.5	0	72.501	Pass
		5787.5	0	72.319	Pass
		5809.5	0	72.411	Pass

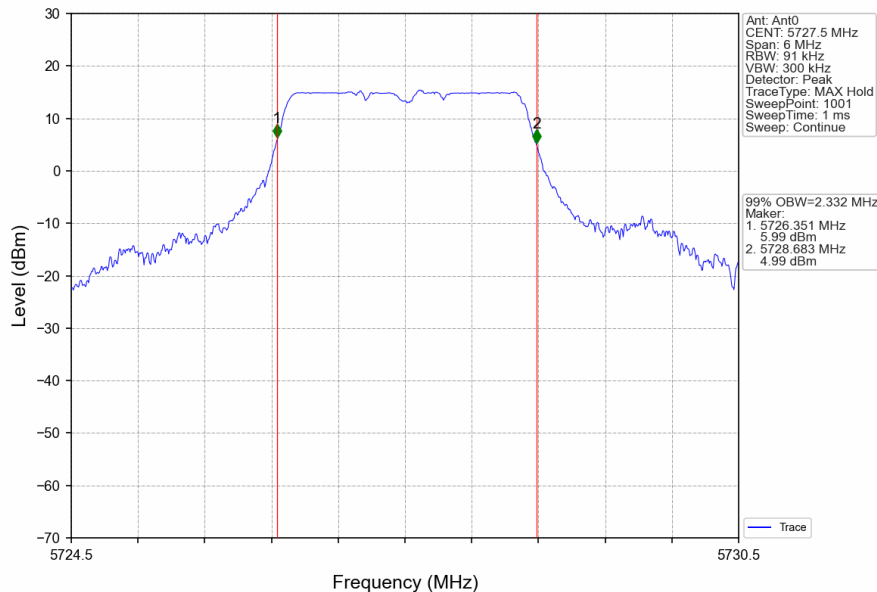
2.1.2 Test Graph



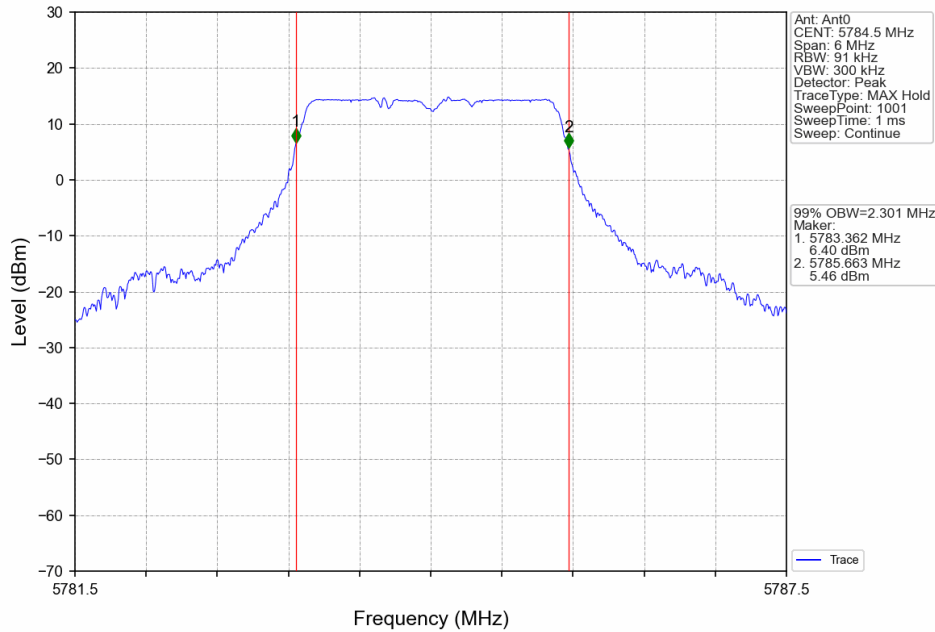
1.4M_HCH_5846.12MHz_Ant0_NTNV



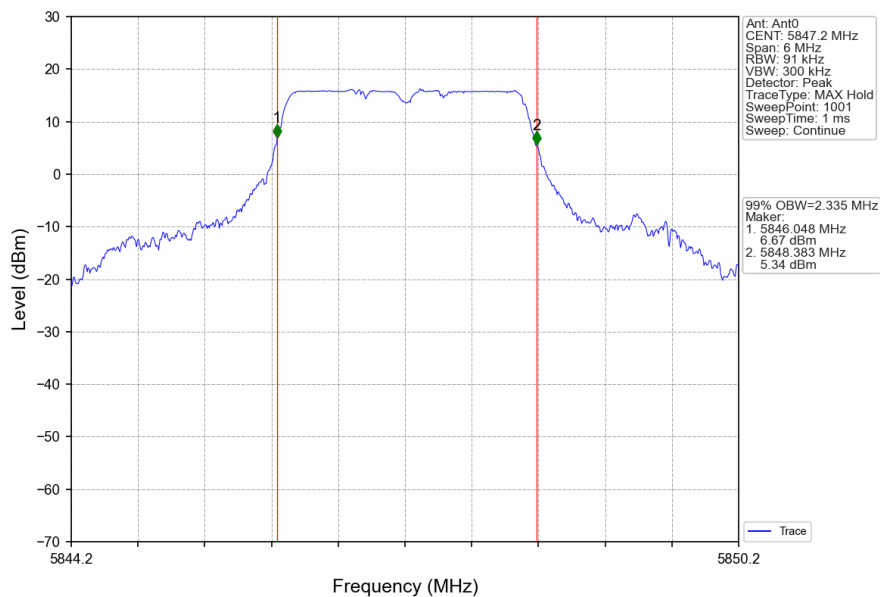
3M_LCH_5727.5MHz_Ant0_NTNV



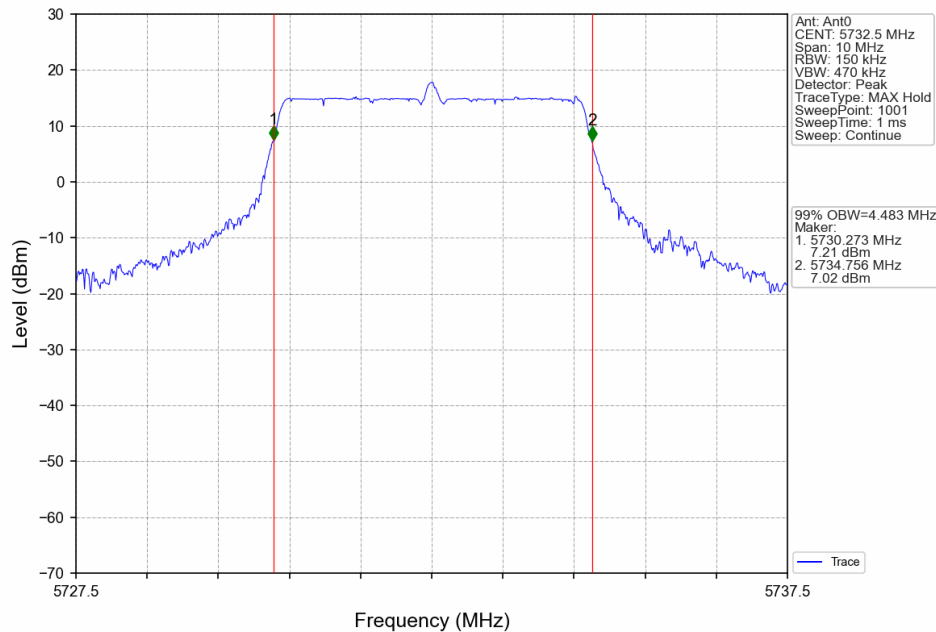
3M_MCH_5784.5MHz_Ant0_NTNV



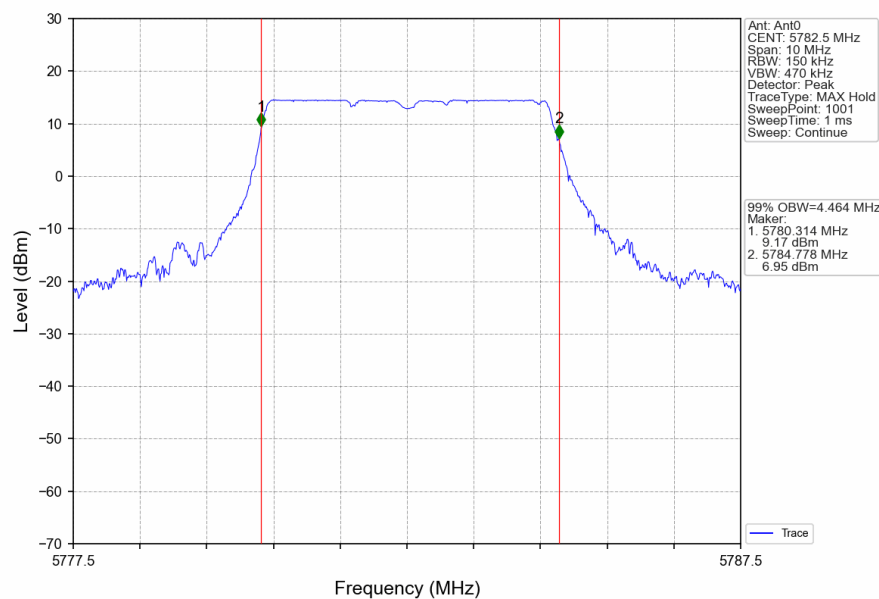
3M_HCH_5847.2MHz_Ant0_NTNV



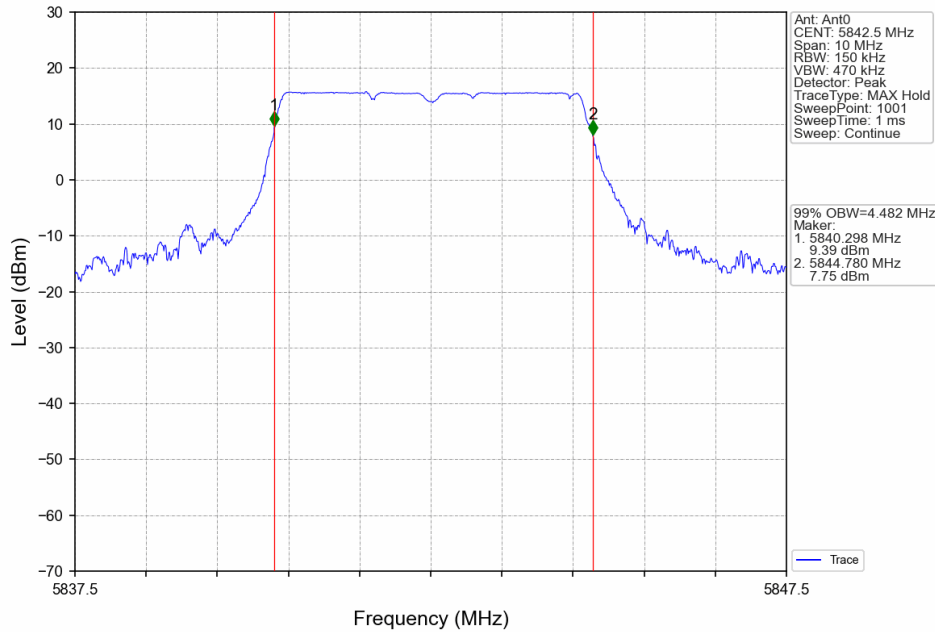
5M_LCH_5732.5MHz_Ant0_NTNV



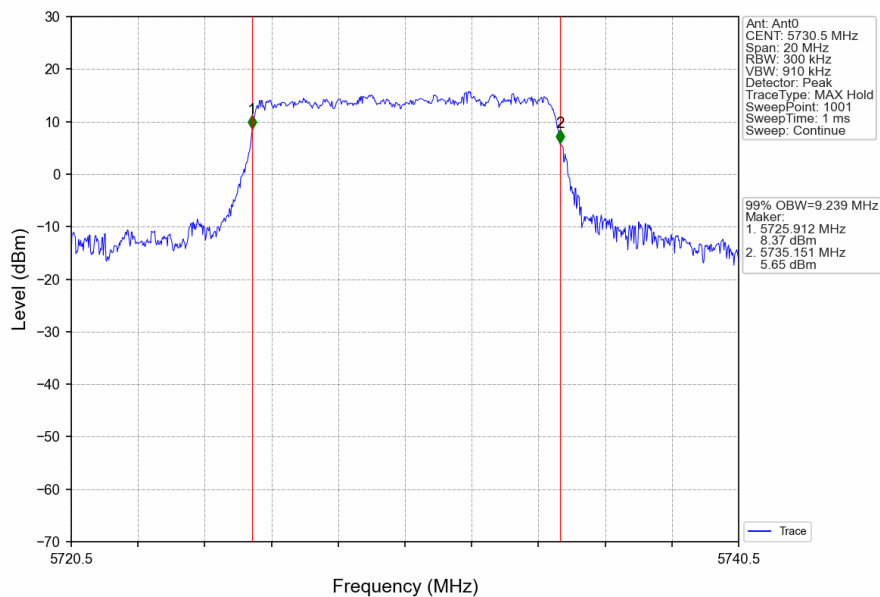
5M_MCH_5782.5MHz_Ant0_NTNV



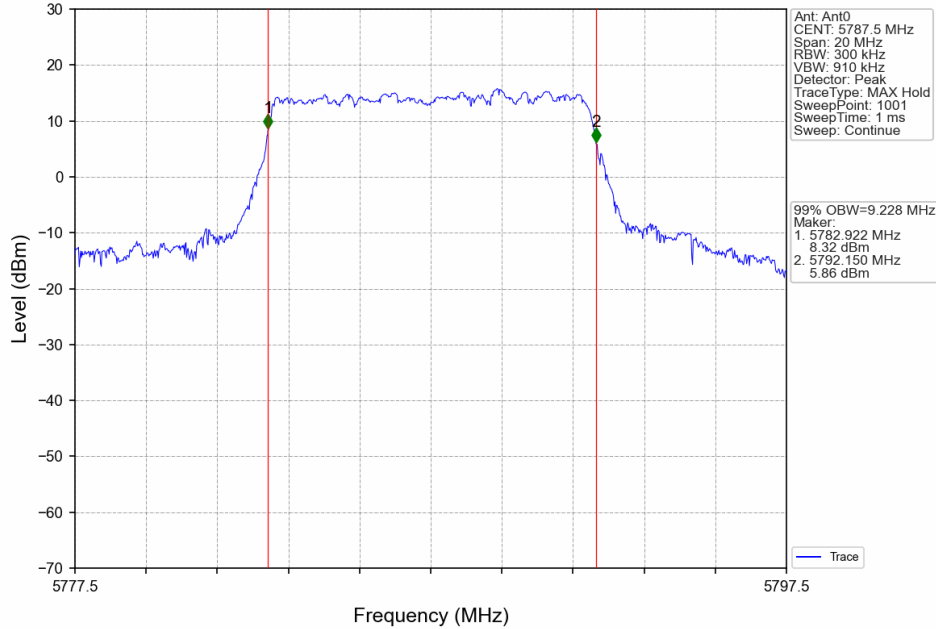
5M_HCH_5842.5MHz_Ant0_NTNV



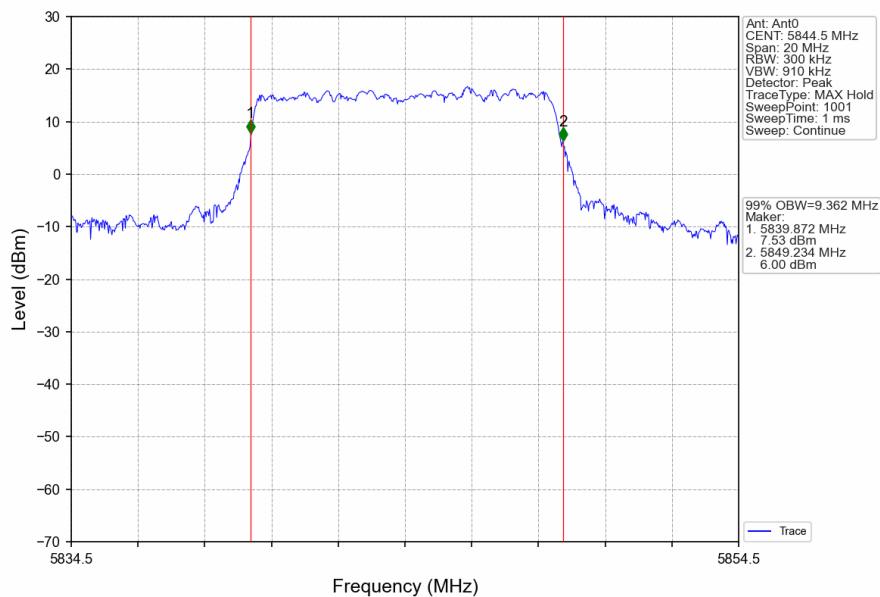
10M_LCH_5730.5MHz_Ant0_NTNV



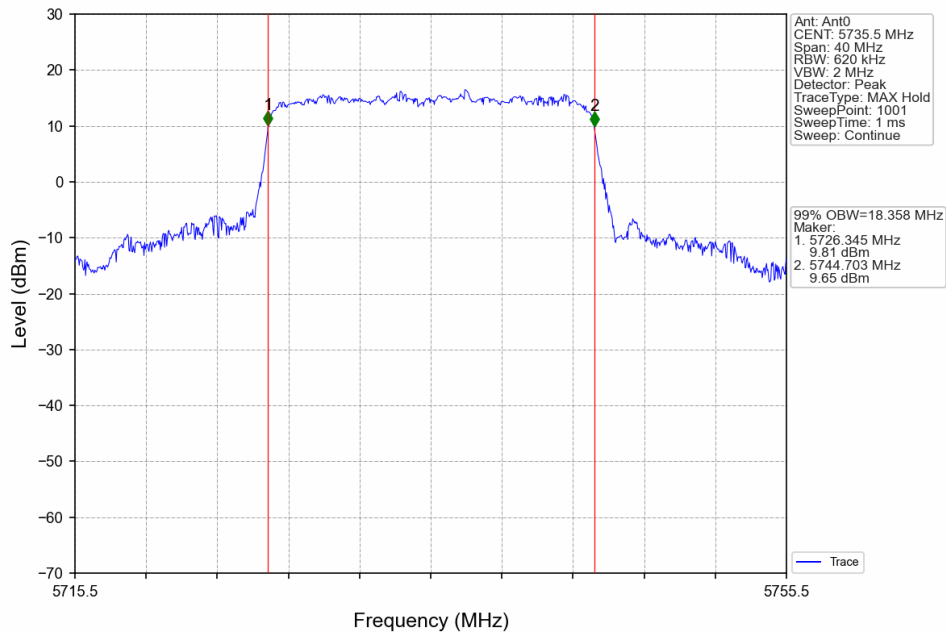
10M_MCH_5787.5MHz_Ant0_NTNV



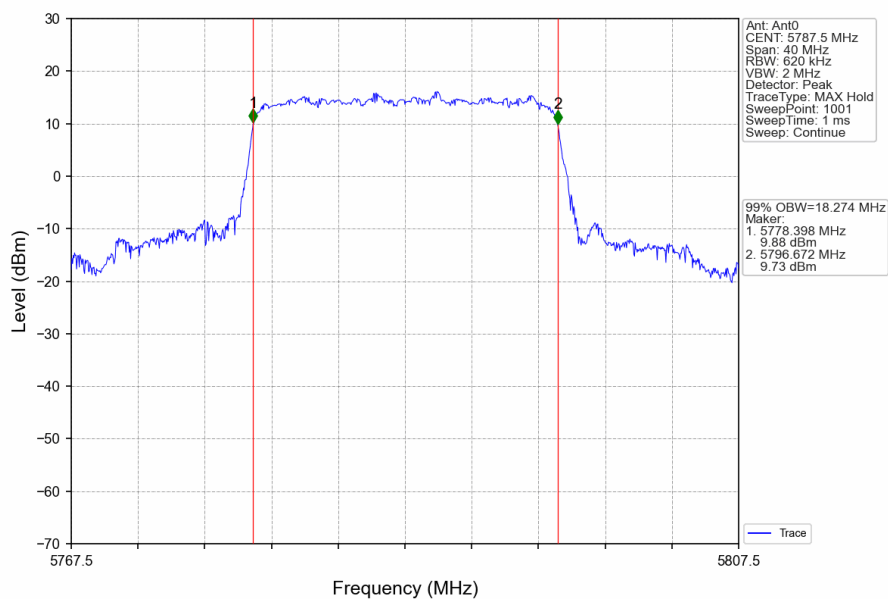
10M_HCH_5844.5MHz_Ant0_NTNV



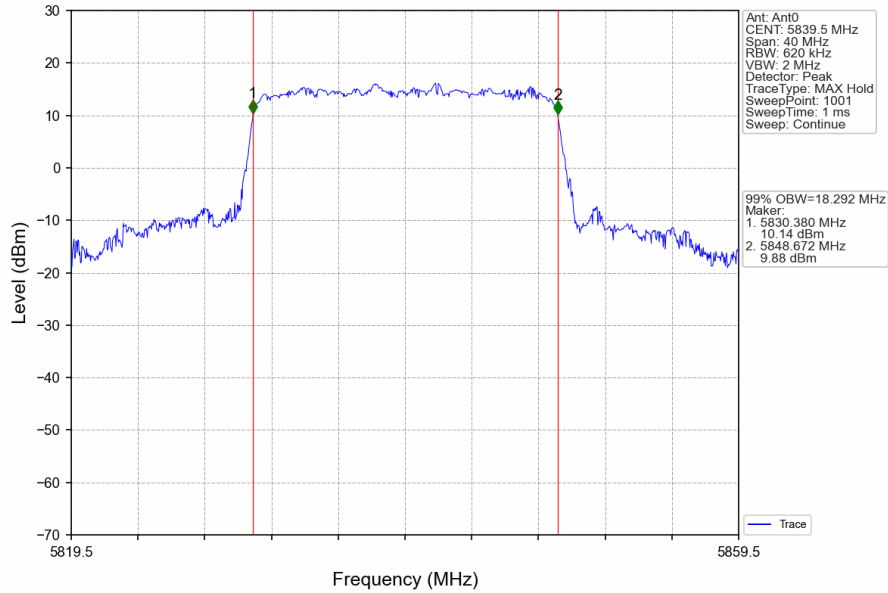
20M_LCH_5735.5MHz_Ant0_NTNV



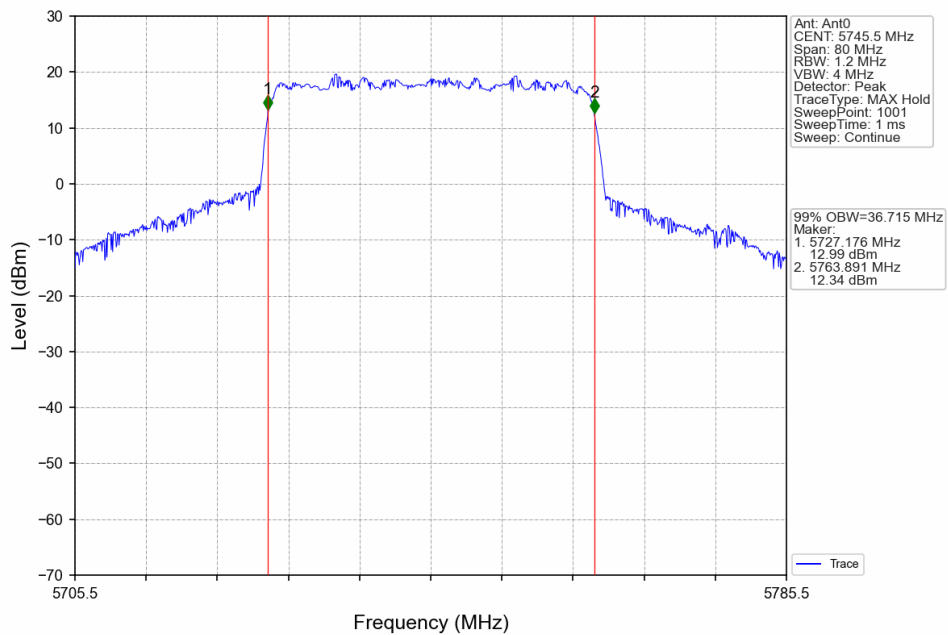
20M_MCH_5787.5MHz_Ant0_NTNV



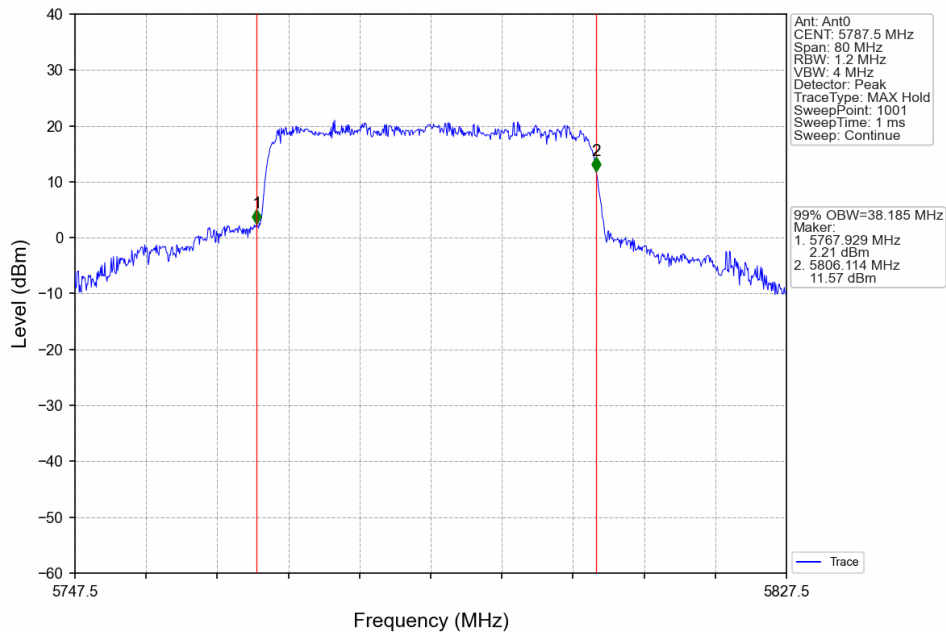
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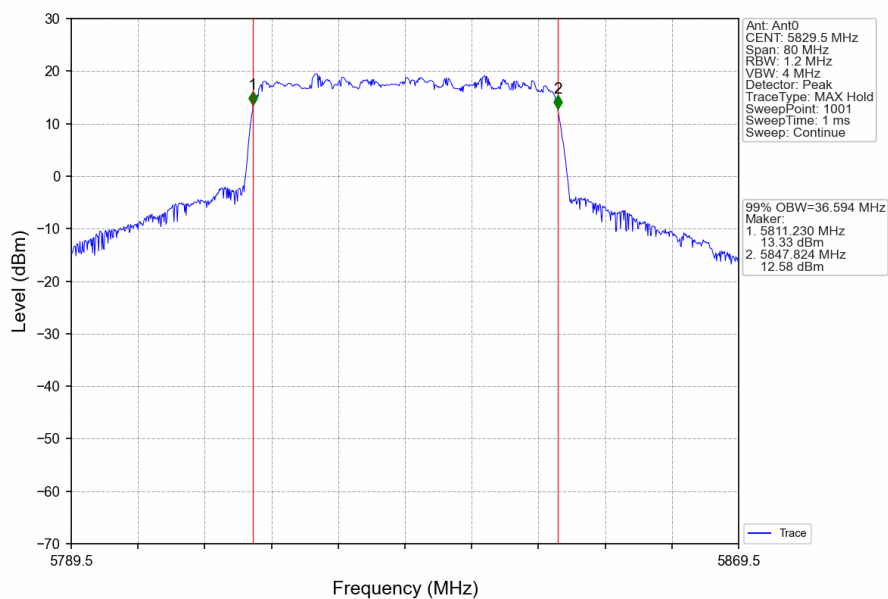
40MHz_LCH_5745.5MHz_Ant0_NTNV



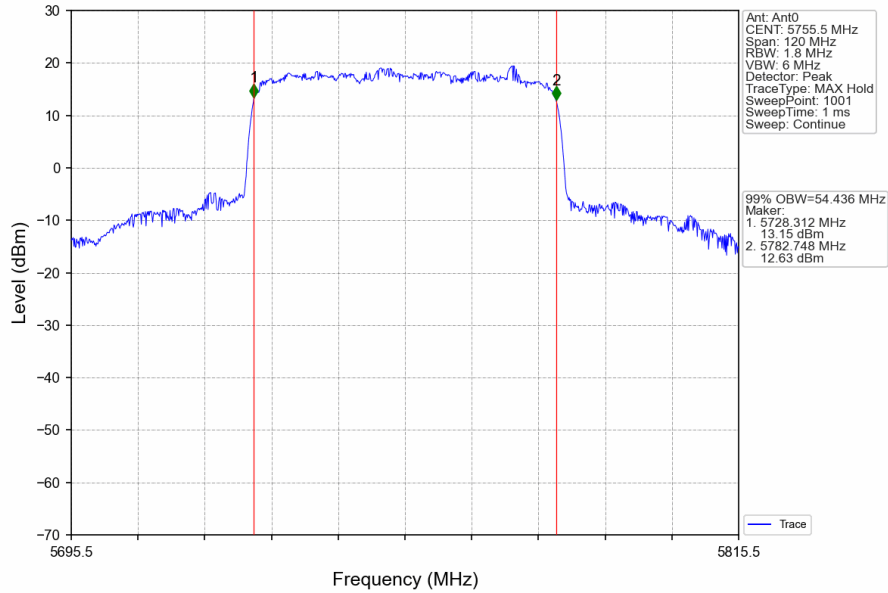
40MHz_MCH_5787.5MHz_Ant0_NTNV



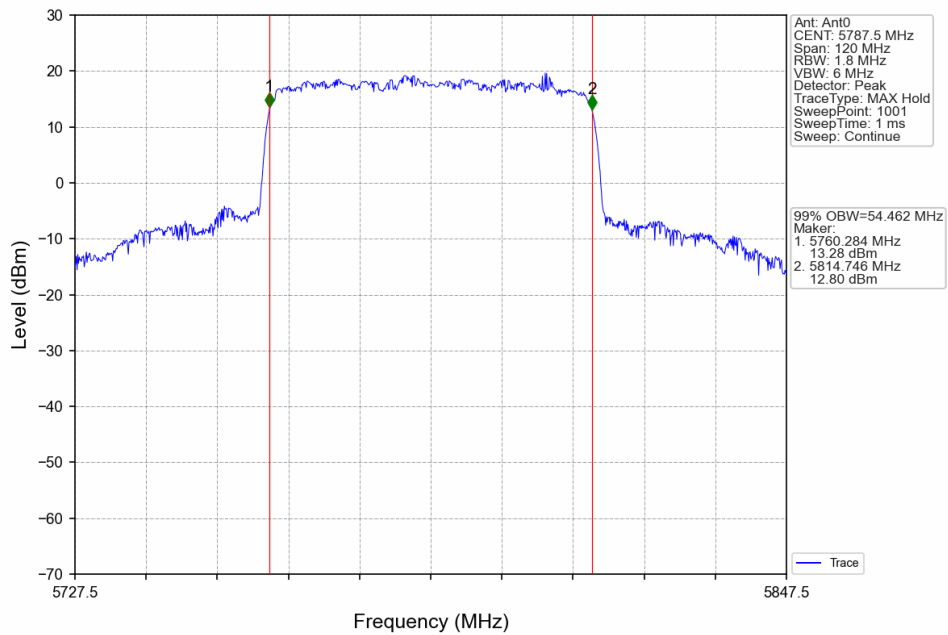
40MHz_HCH_5829.5MHz_Ant0_NTNV



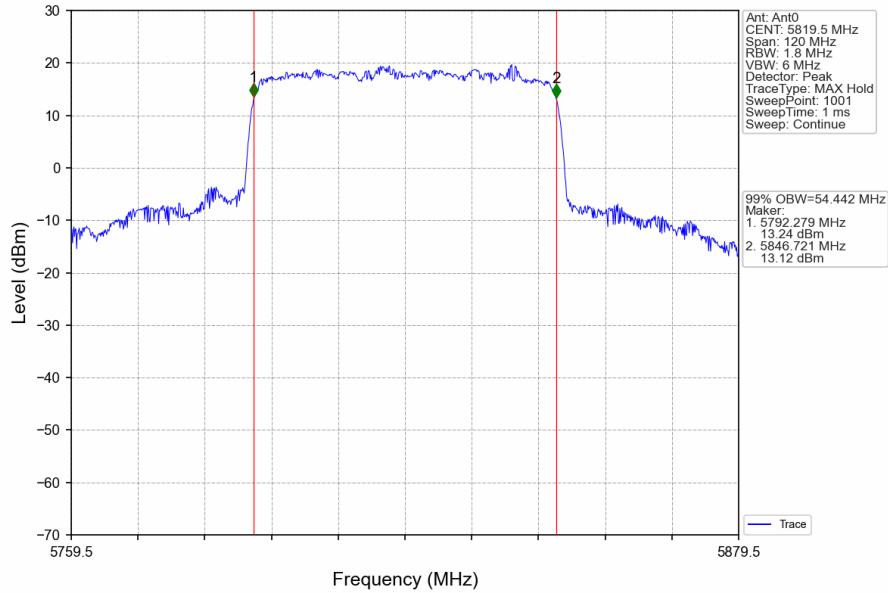
60MHz_LCH_5755.5MHz_Ant0_NTNV



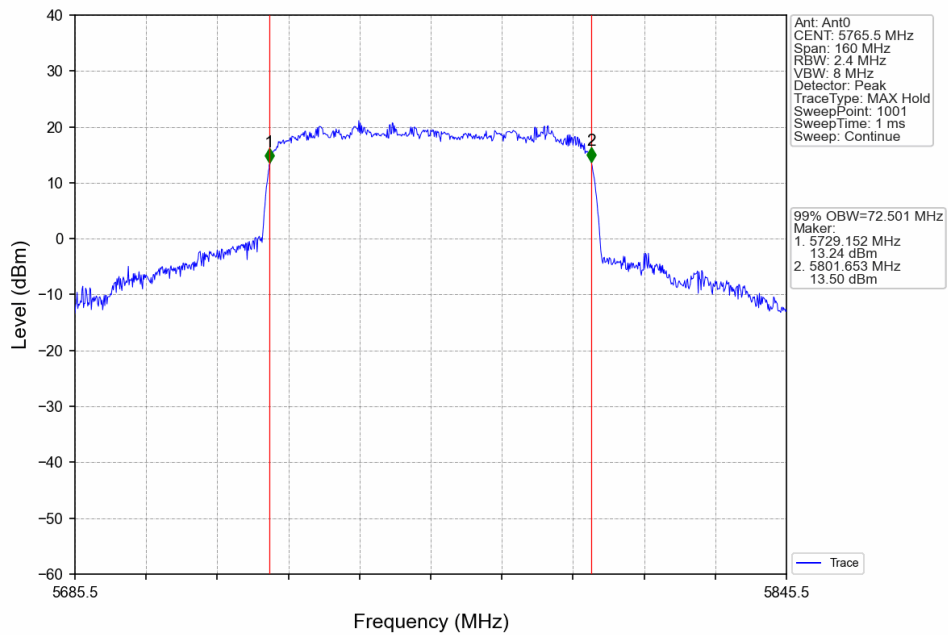
60MHz_MCH_5787.5MHz_Ant0_NTNV



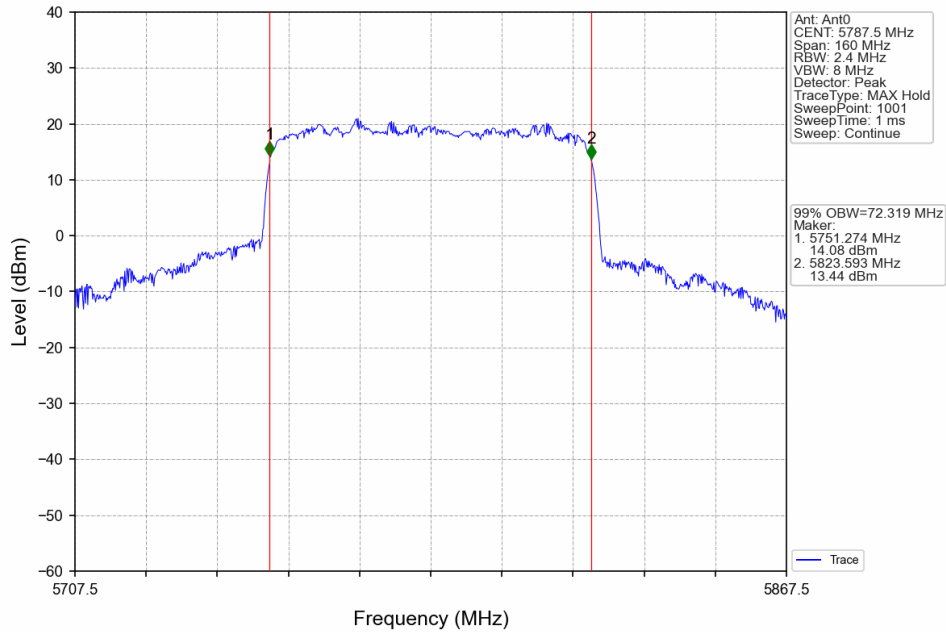
60MHz_HCH_5819.5MHz_Ant0_NTNV



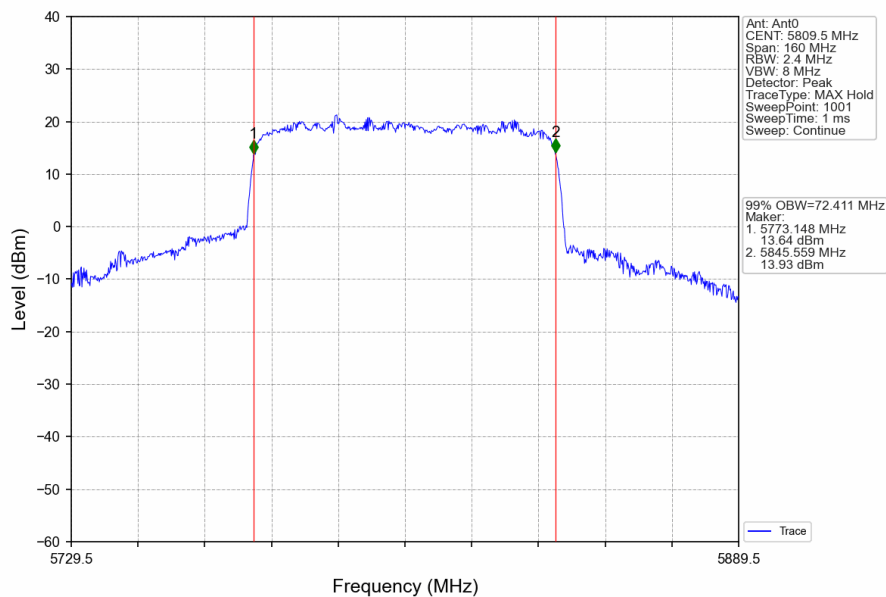
80MHz_LCH_5765.5MHz_Ant0_NTNV



80MHz_MCH_5787.5MHz_Ant0_NTNV



80MHz_HCH_5809.5MHz_Ant0_NTNV



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

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2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1.4MHz	SISO	5728.5	0	1.158	≥ 0.5	Pass
		5786.5	0	1.155	≥ 0.5	Pass
		5846.12	0	1.155	≥ 0.5	Pass
3MHz	SISO	5727.5	0	2.221	≥ 0.5	Pass
		5784.5	0	2.221	≥ 0.5	Pass
		5847.2	0	2.225	≥ 0.5	Pass
5MHz	SISO	5732.5	0	4.281	≥ 0.5	Pass
		5782.5	0	4.353	≥ 0.5	Pass
		5842.5	0	4.374	≥ 0.5	Pass
10MHz	SISO	5730.5	0	9.049	≥ 0.5	Pass
		5787.5	0	9.039	≥ 0.5	Pass
		5844.5	0	9.047	≥ 0.5	Pass
20MHz	SISO	5735.5	0	18.001	≥ 0.5	Pass
		5787.5	0	17.992	≥ 0.5	Pass
		5839.5	0	17.981	≥ 0.5	Pass
40MHz	SISO	5745.5	0	36.039	≥ 0.5	Pass
		5787.5	0	36.016	≥ 0.5	Pass
		5829.5	0	36.043	≥ 0.5	Pass
60MHz	SISO	5755.5	0	53.733	≥ 0.5	Pass
		5787.5	0	53.739	≥ 0.5	Pass
		5819.5	0	53.746	≥ 0.5	Pass
80MHz	SISO	5765.5	0	70.978	≥ 0.5	Pass
		5787.5	0	70.974	≥ 0.5	Pass
		5809.5	0	70.984	≥ 0.5	Pass

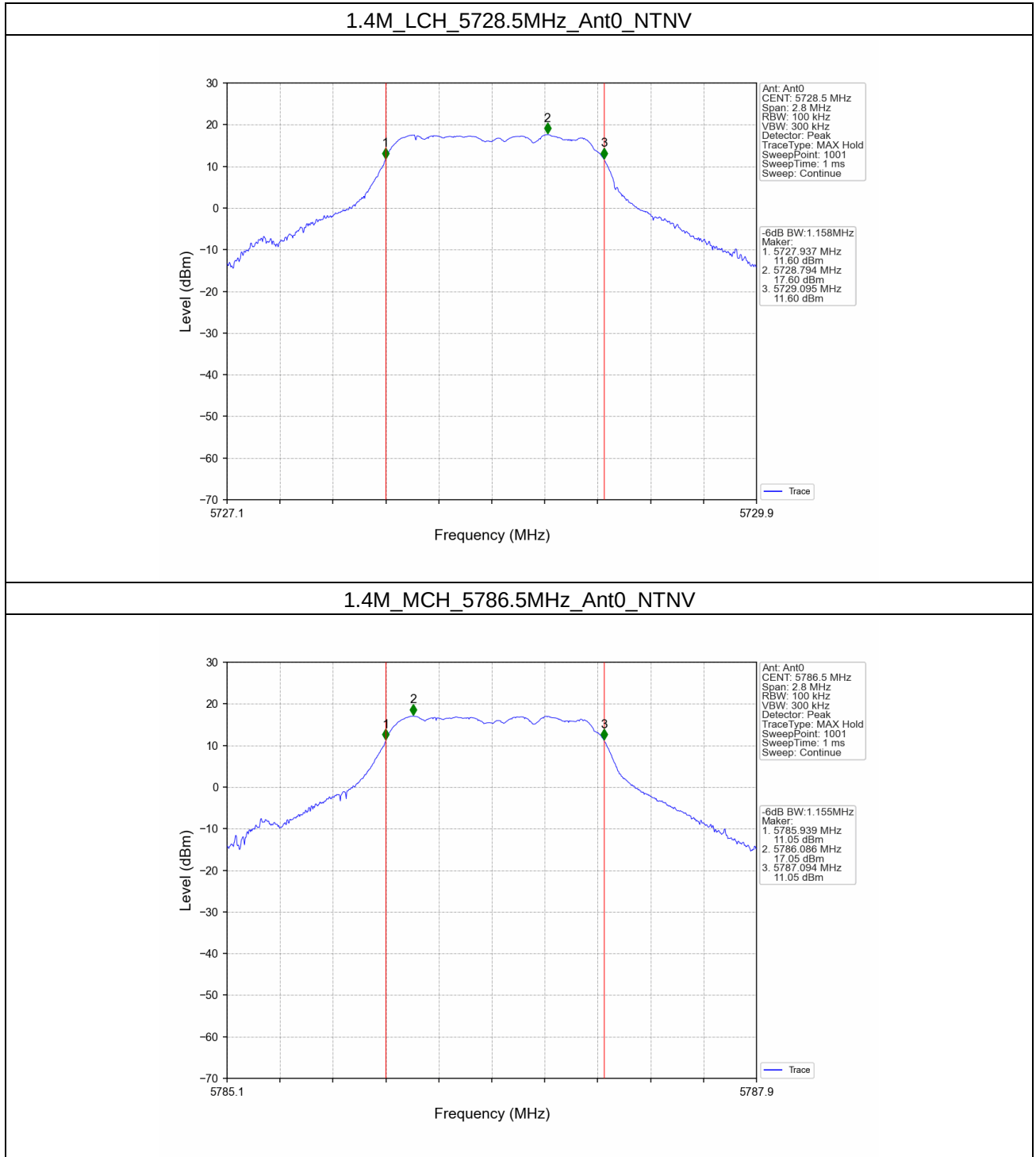


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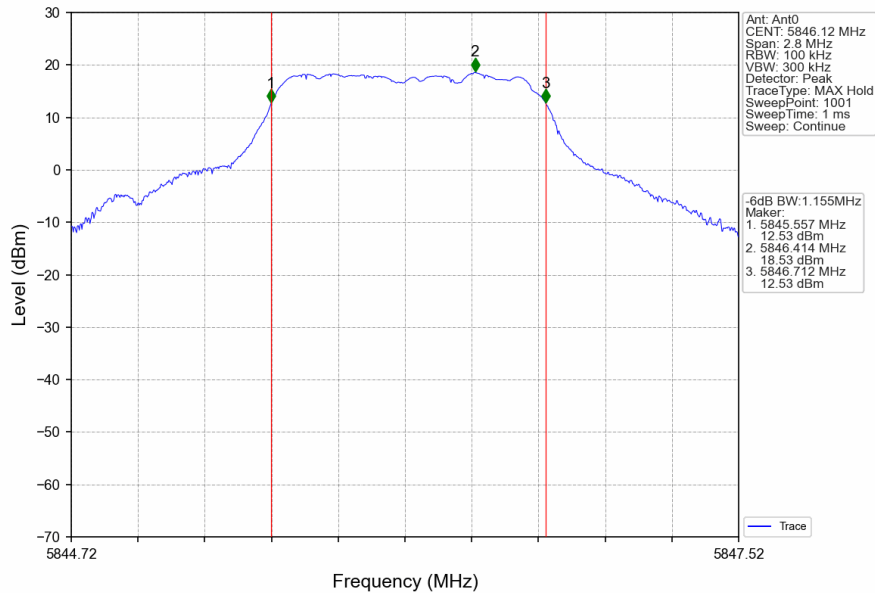
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

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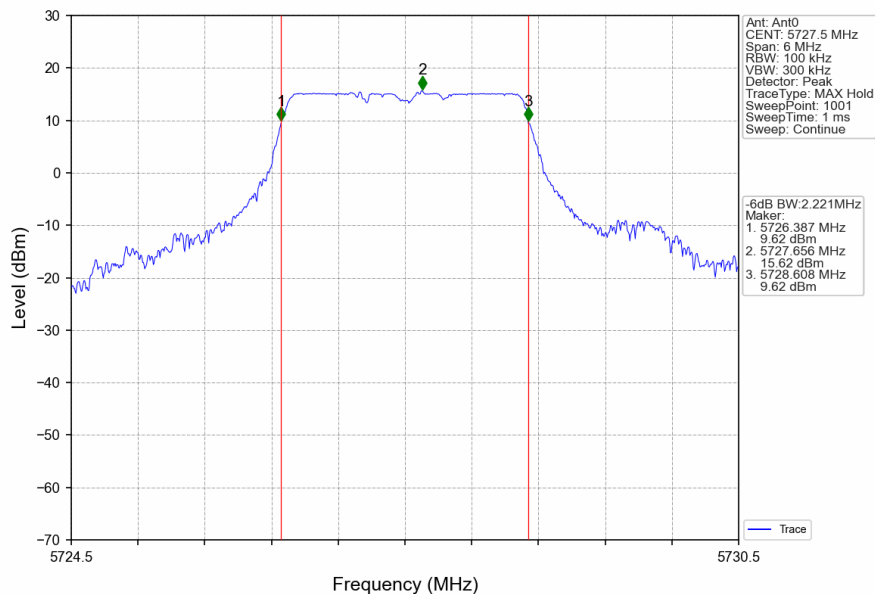
2.2.2 Test Graph



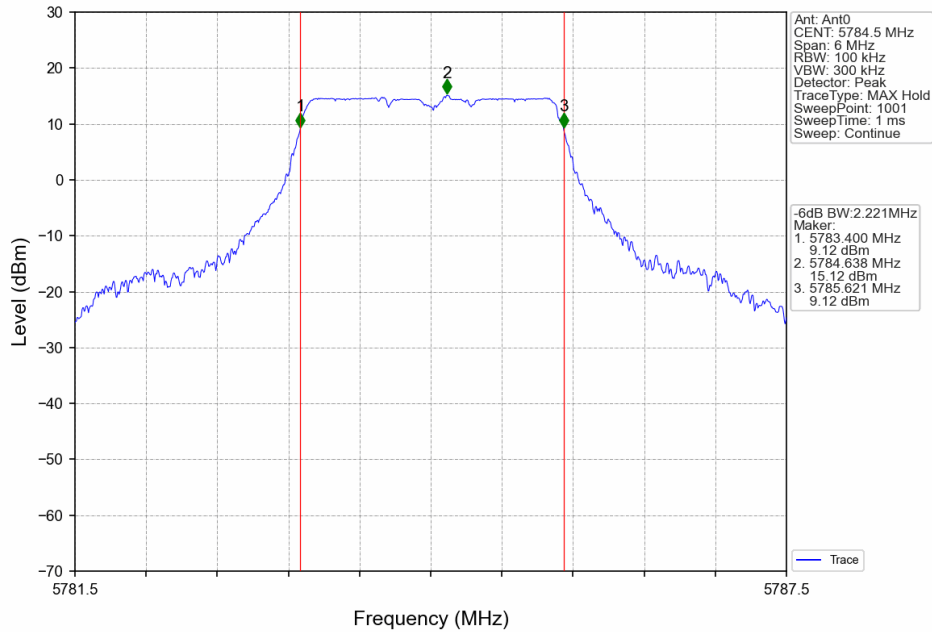
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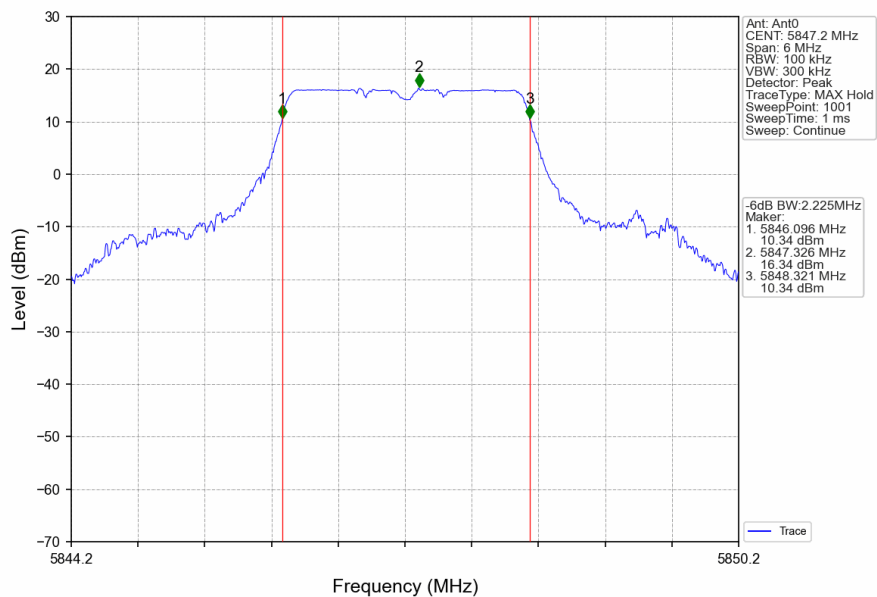
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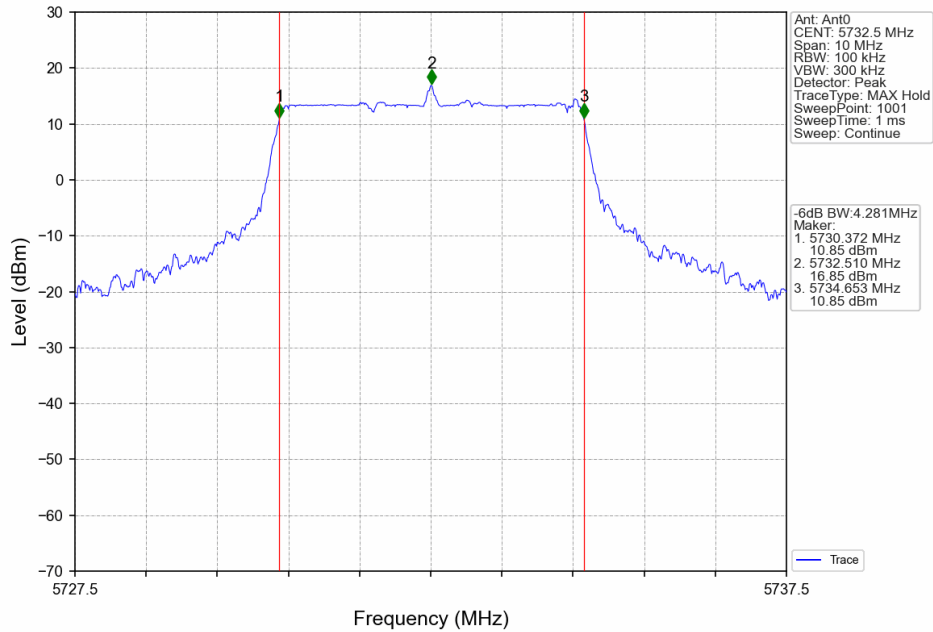
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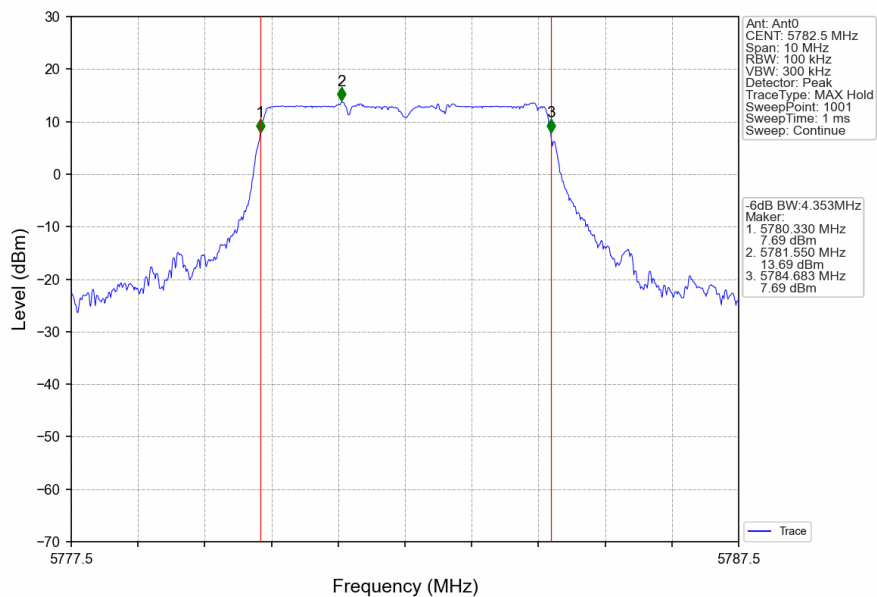
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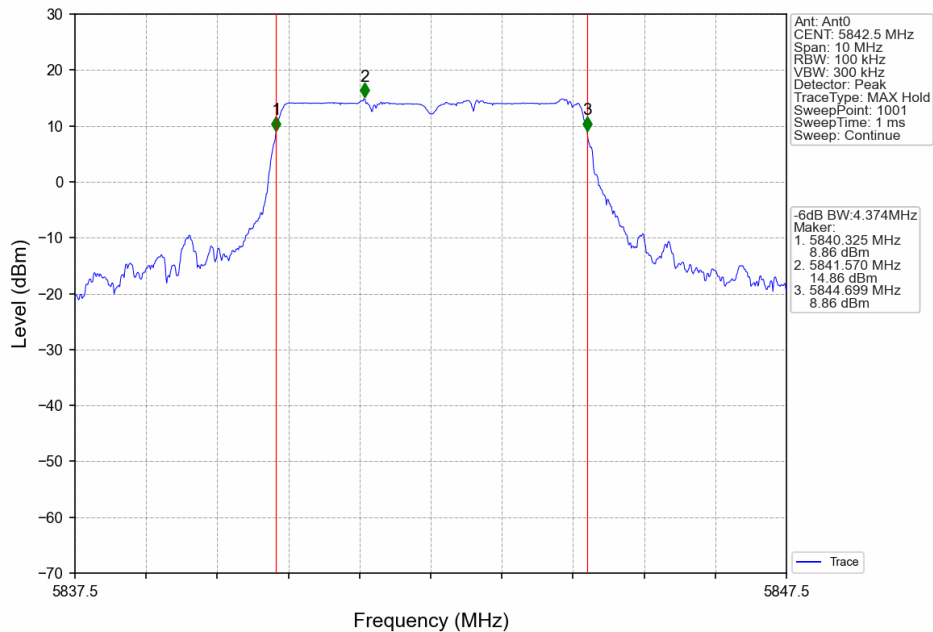
5M_LCH_5732.5MHz_Ant0_NTNV



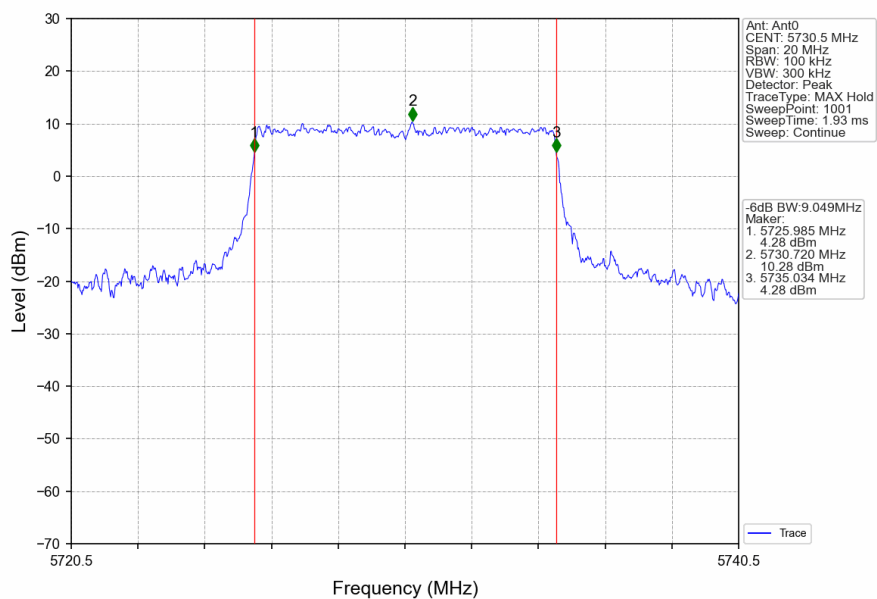
5M_MCH_5782.5MHz_Ant0_NTNV



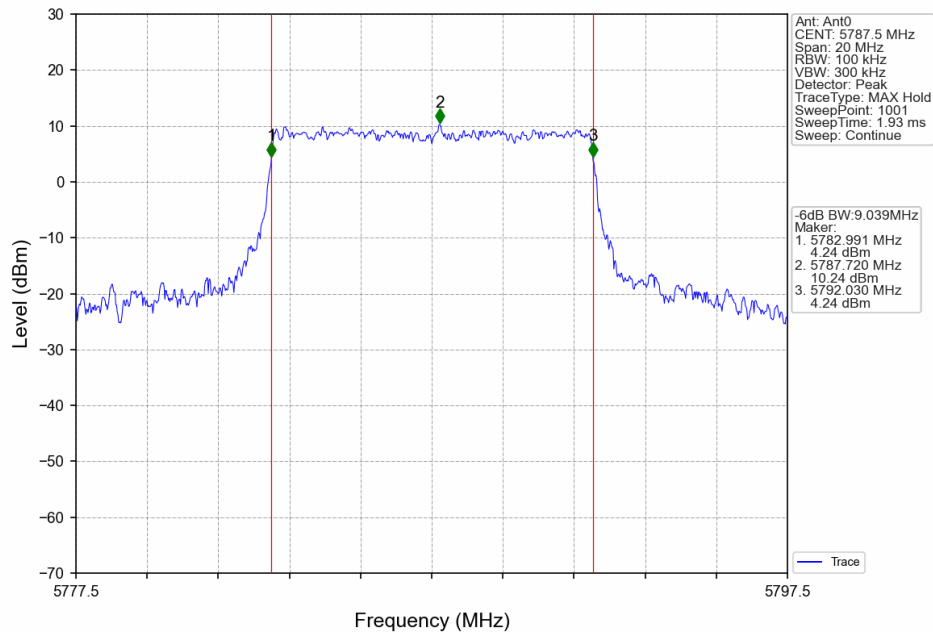
5M_HCH_5842.5MHz_Ant0_NTNV



10M_LCH_5730.5MHz_Ant0_NTNV



10M_MCH_5787.5MHz_Ant0_NTNV



10M_HCH_5844.5MHz_Ant0_NTNV

