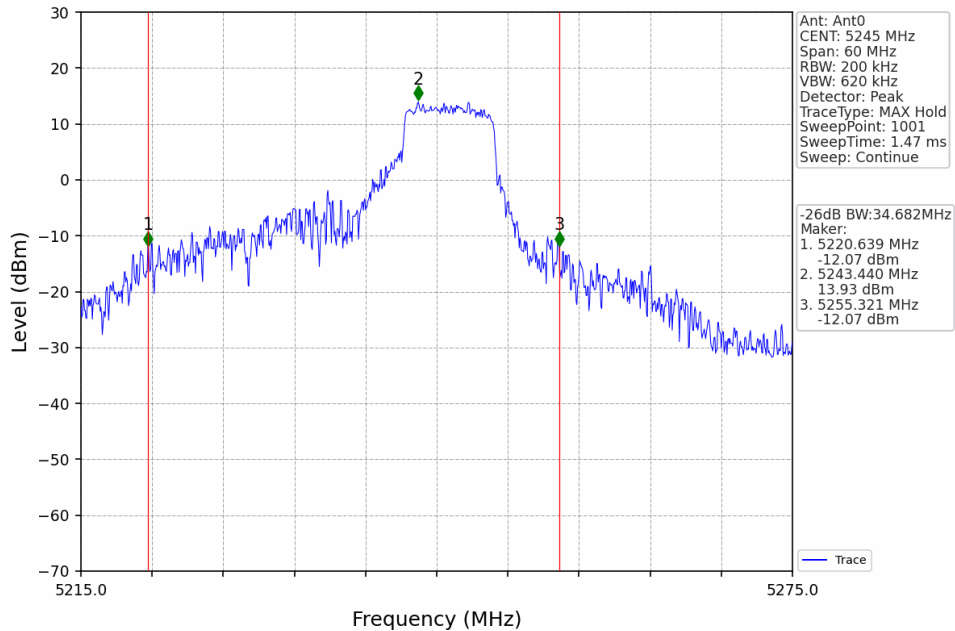
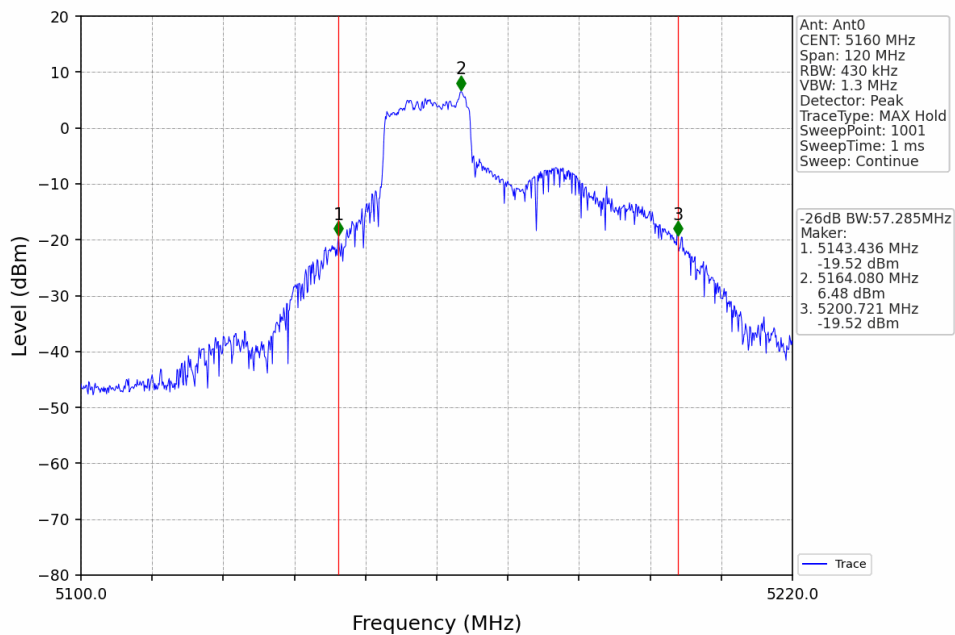


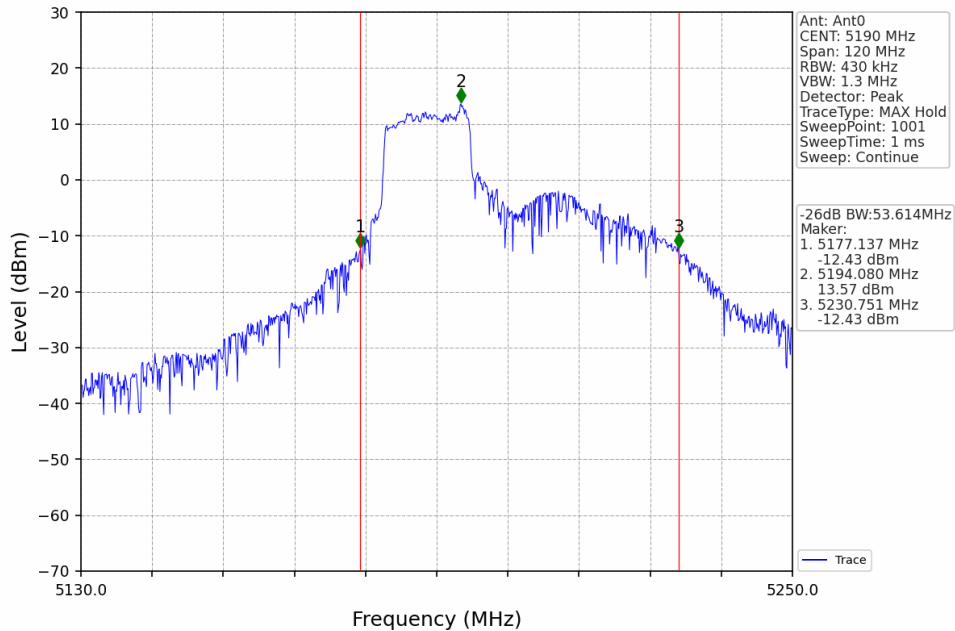
### 20M RU\_HCH\_5245MHz\_Ant0\_NTNV



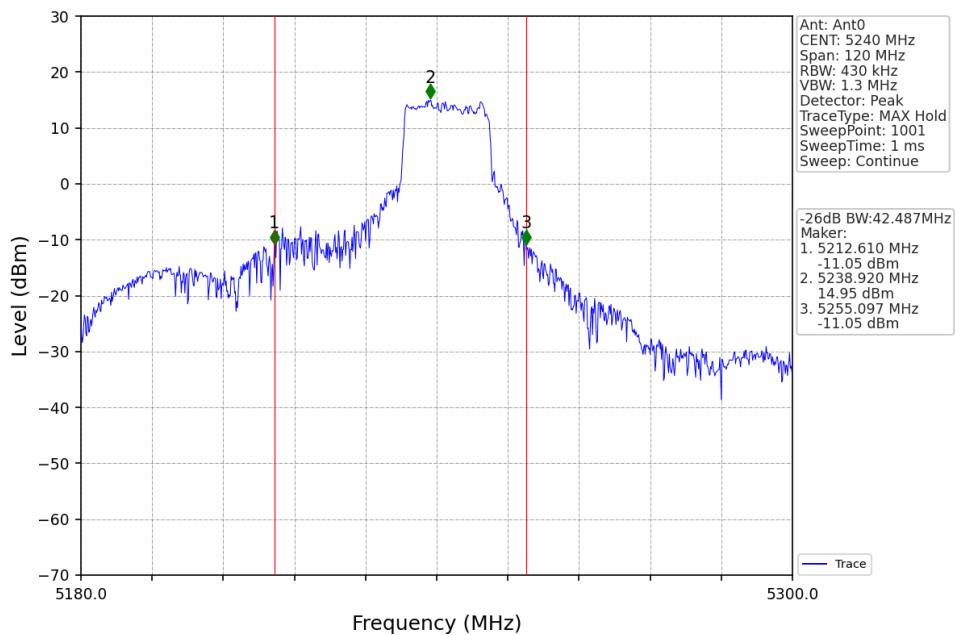
### 40M RU\_LCH\_5160MHz\_Ant0\_NTNV



### 40M RU\_MCH\_5190MHz\_Ant0\_NTNV



### 40M RU\_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	ANT2	ANT3	Limit	
20M RU	SISO	5156	6.02	5.96	6.06	6.57	<=23.98	Pass
		5195	17.95	17.98	17.99	17.68	<=23.98	Pass
		5245	18.25	17.80	17.93	17.94	<=23.98	Pass
40M RU	SISO	5160	7.01	7.15	7.10	6.64	<=23.98	Pass
		5190	18.30	17.57	17.64	17.37	<=23.98	Pass
		5240	17.50	17.67	17.56	17.51	<=23.98	Pass

Note1: Antenna Gain: ANT0: 1.5dBi, ANT1&ANT2: 3dBi, ANT3: 2dBi

## 4. Maximum Power Spectral Density

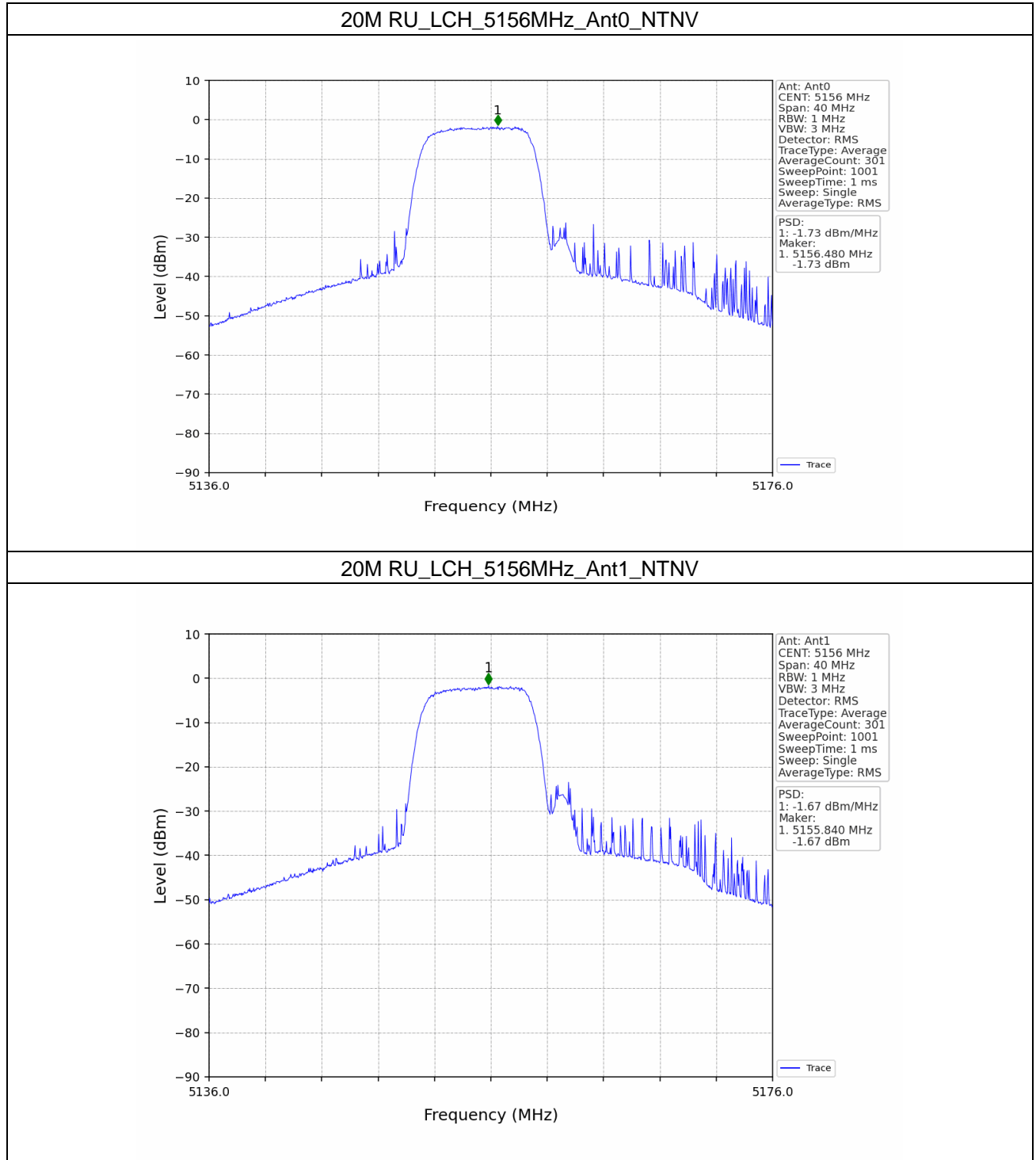
### 4.1 PSD

#### 4.1.1 Test Result

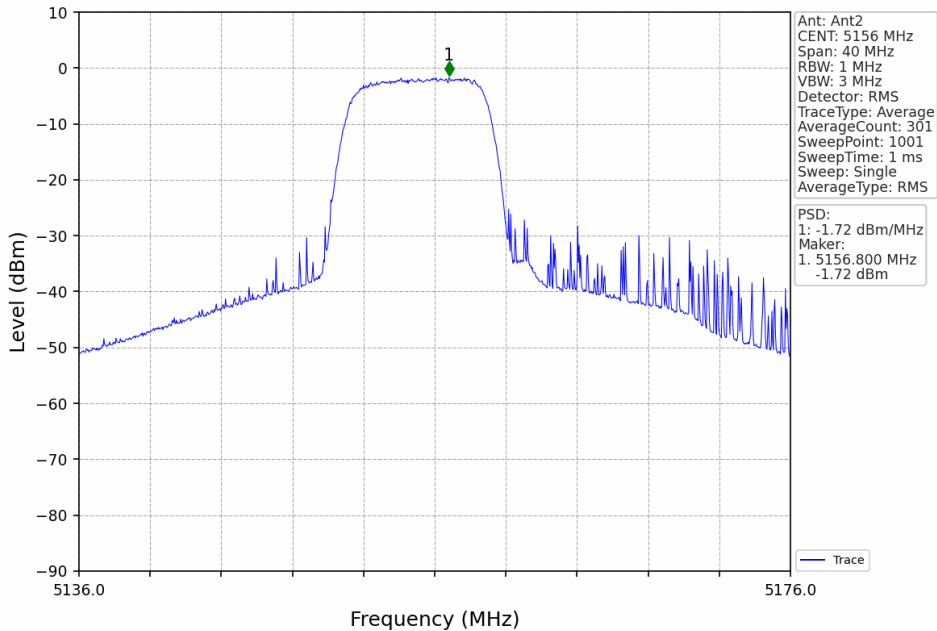
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)					Verdict
			ANT0	ANT1	ANT2	ANT3	Limit	
20M RU	SISO	5156	-1.73	-1.67	-1.72	-1.26	<=11	Pass
		5195	10.40	10.35	9.14	9.79	<=11	Pass
		5245	10.45	10.07	10.14	10.04	<=11	Pass
40M RU	SISO	5160	-3.45	-3.30	-3.46	-3.84	<=11	Pass
		5190	7.68	7.13	7.10	6.90	<=11	Pass
		5240	6.94	6.95	6.85	7.07	<=11	Pass

Note1: Antenna Gain: ANT0: 1.5dBi, ANT1&ANT2: 3dBi, ANT3: 2dBi

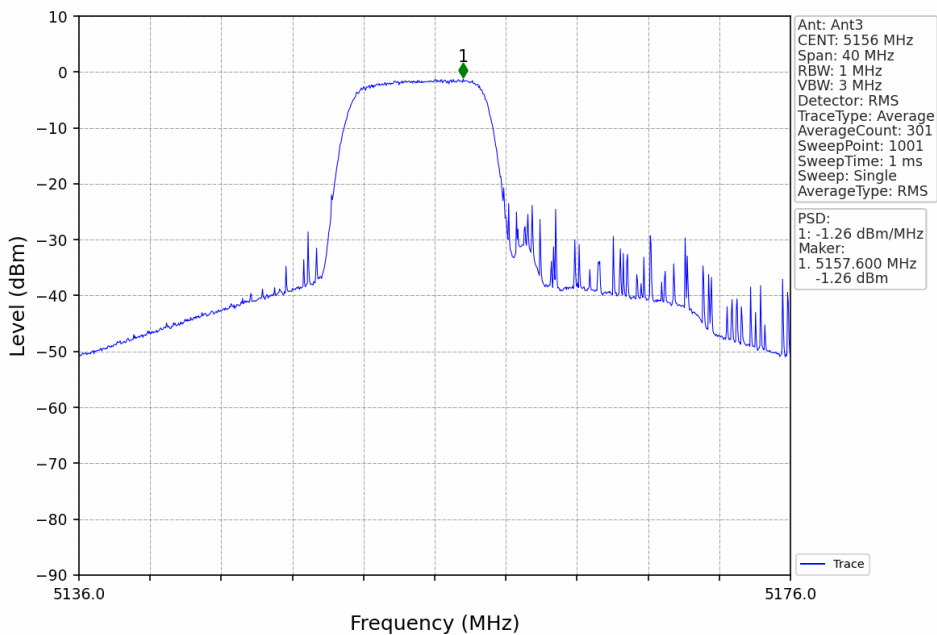
### 4.1.2 Test Graph



20M RU\_LCH\_5156MHz\_Ant2\_NTNV



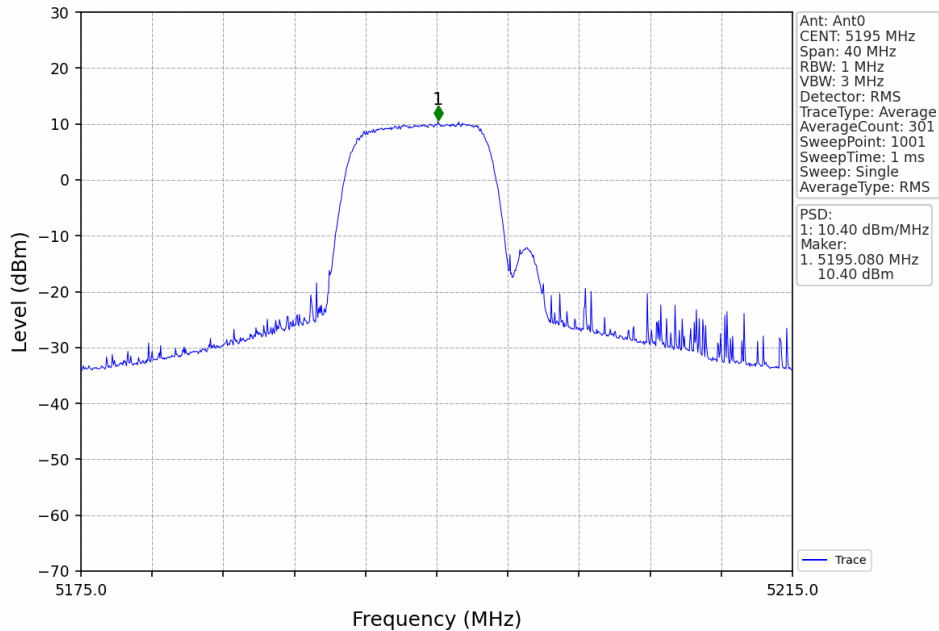
20M RU\_LCH\_5156MHz\_Ant3\_NTNV



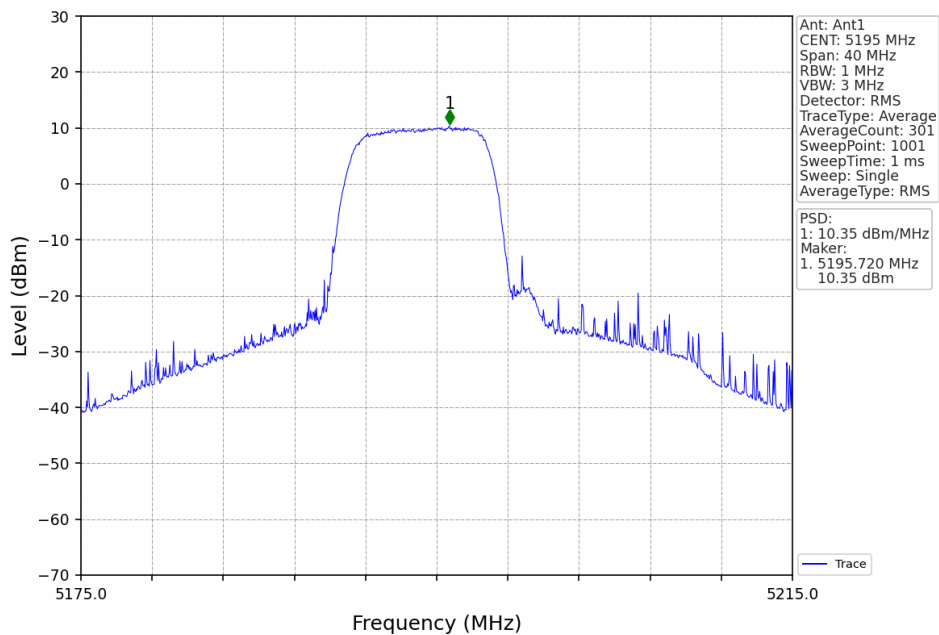
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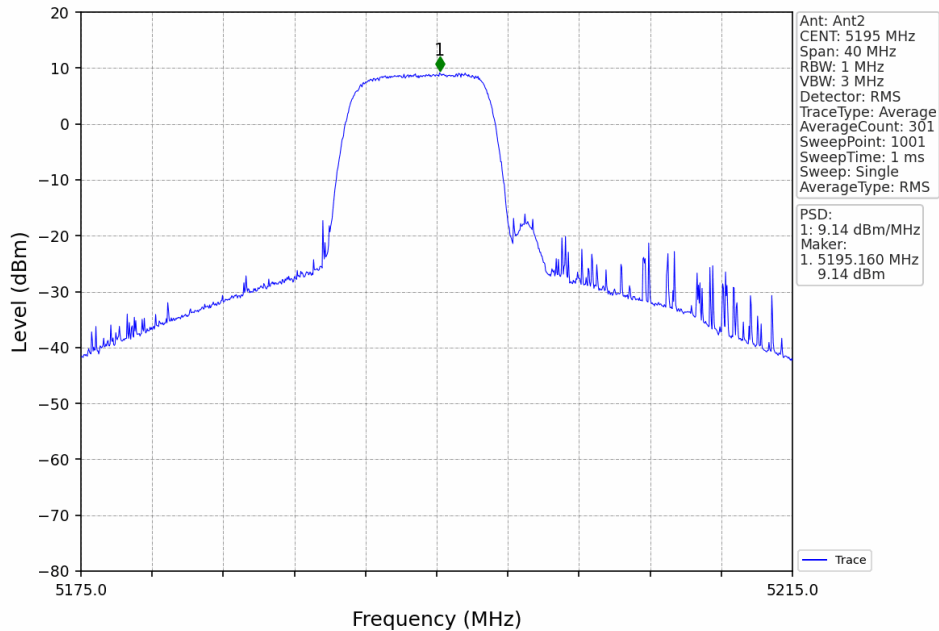
20M RU\_MCH\_5195MHz\_Ant0\_NTNV



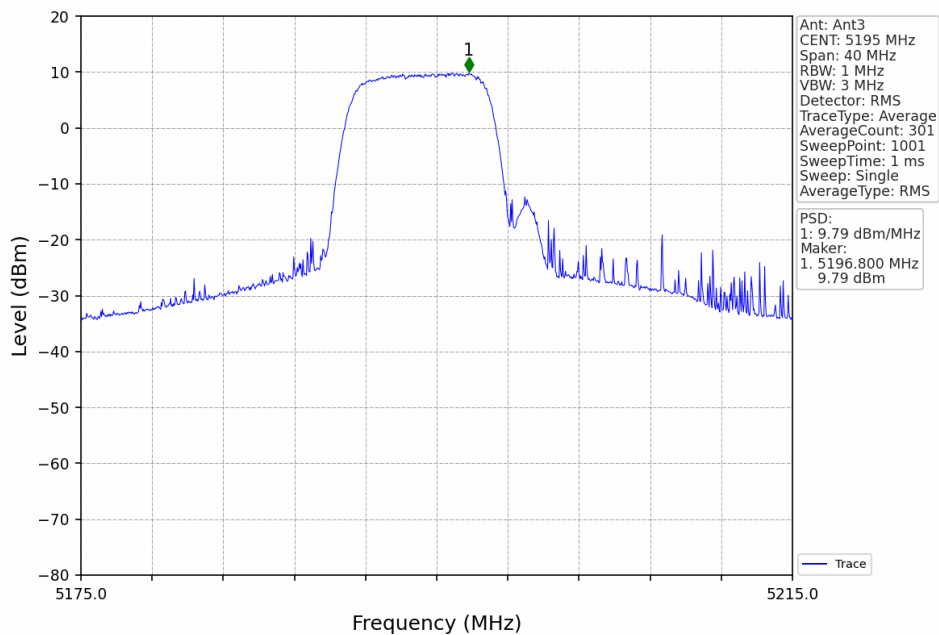
20M RU\_MCH\_5195MHz\_Ant1\_NTNV



20M RU\_MCH\_5195MHz\_Ant2\_NTNV



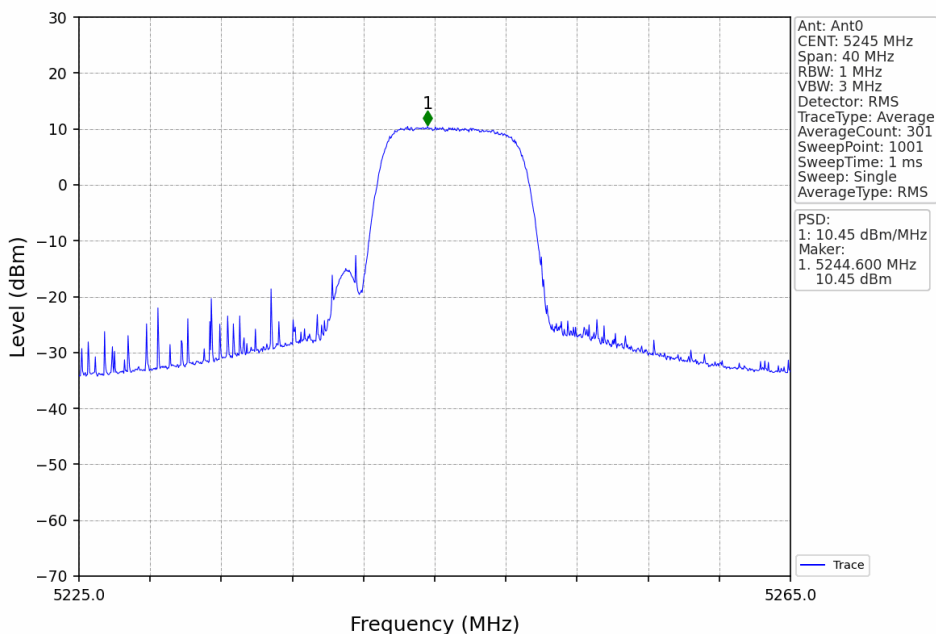
20M RU\_MCH\_5195MHz\_Ant3\_NTNV



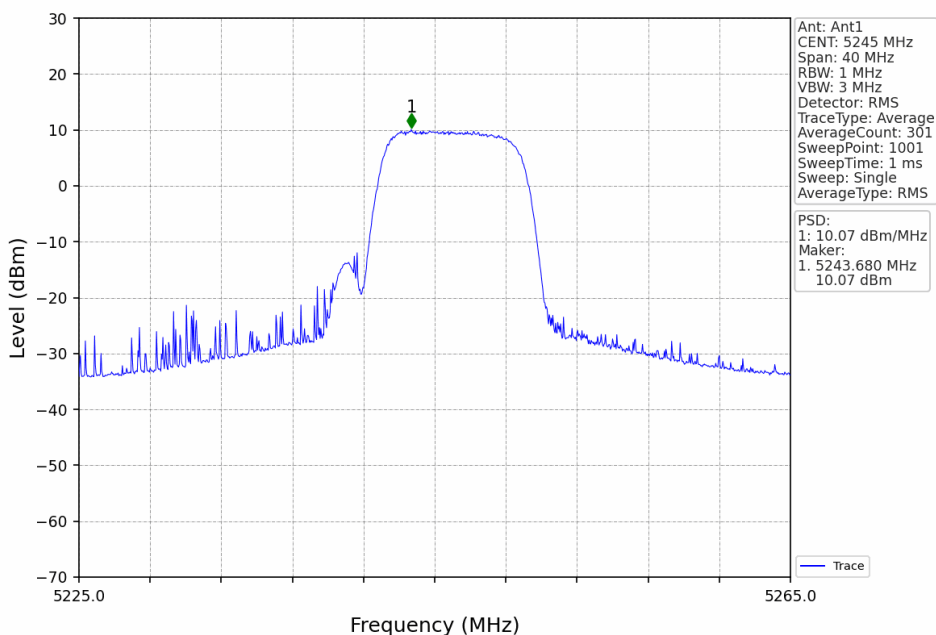
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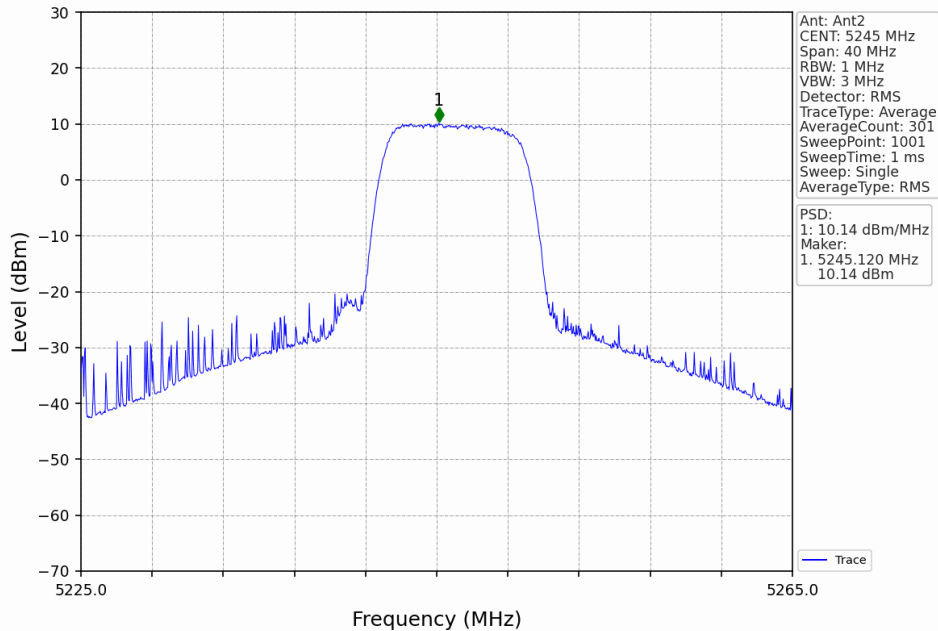
20M RU\_HCH\_5245MHz\_Ant0\_NTNV



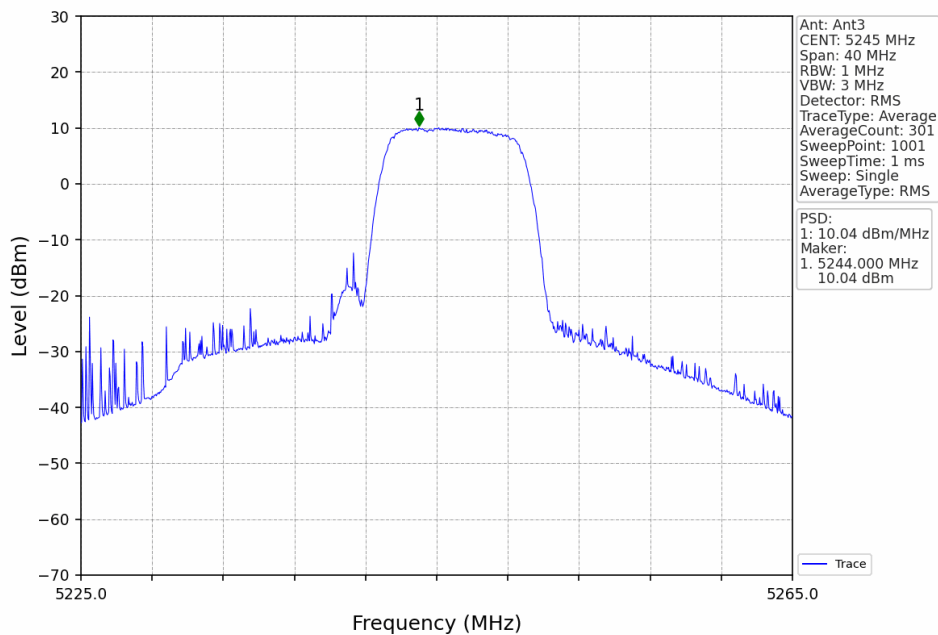
20M RU\_HCH\_5245MHz\_Ant1\_NTNV



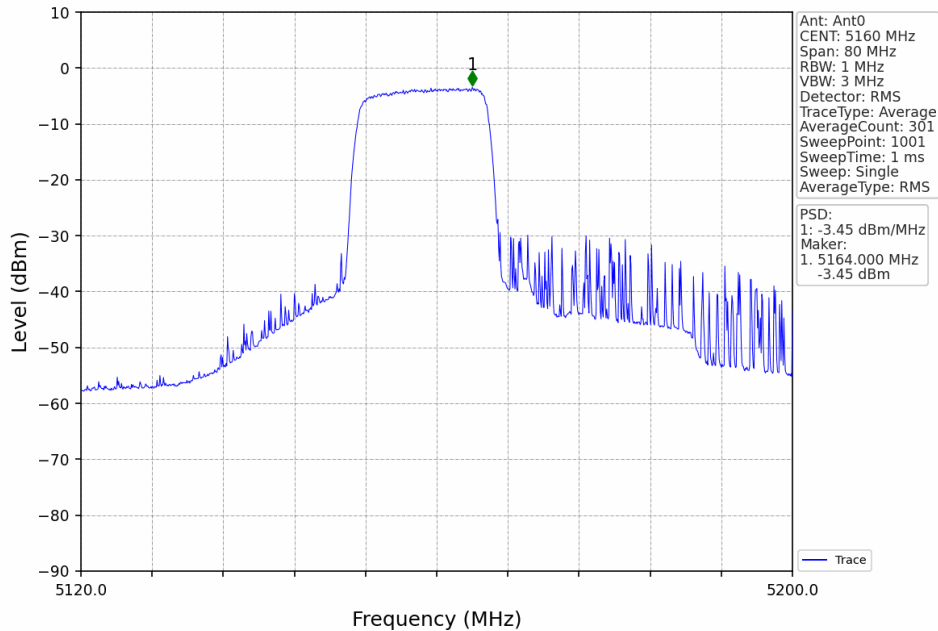
### 20M RU\_HCH\_5245MHz\_Ant2\_NTNV



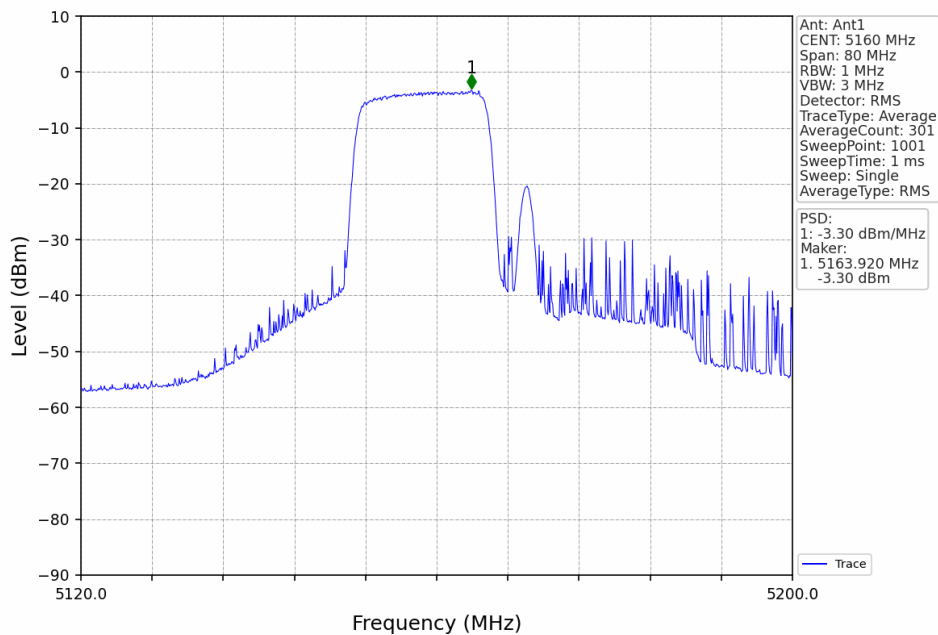
### 20M RU\_HCH\_5245MHz\_Ant3\_NTNV



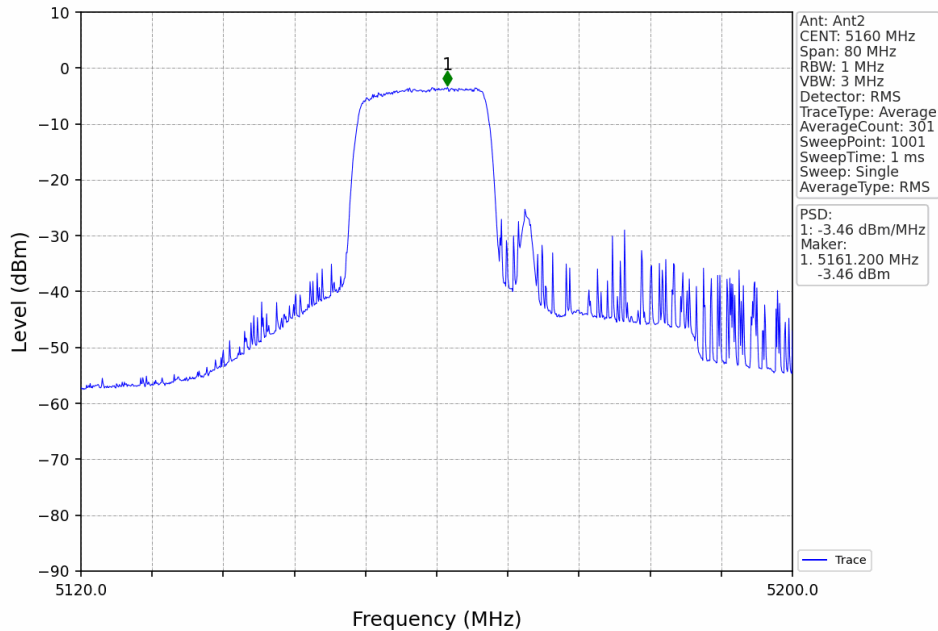
40M RU\_LCH\_5160MHz\_Ant0\_NTNV



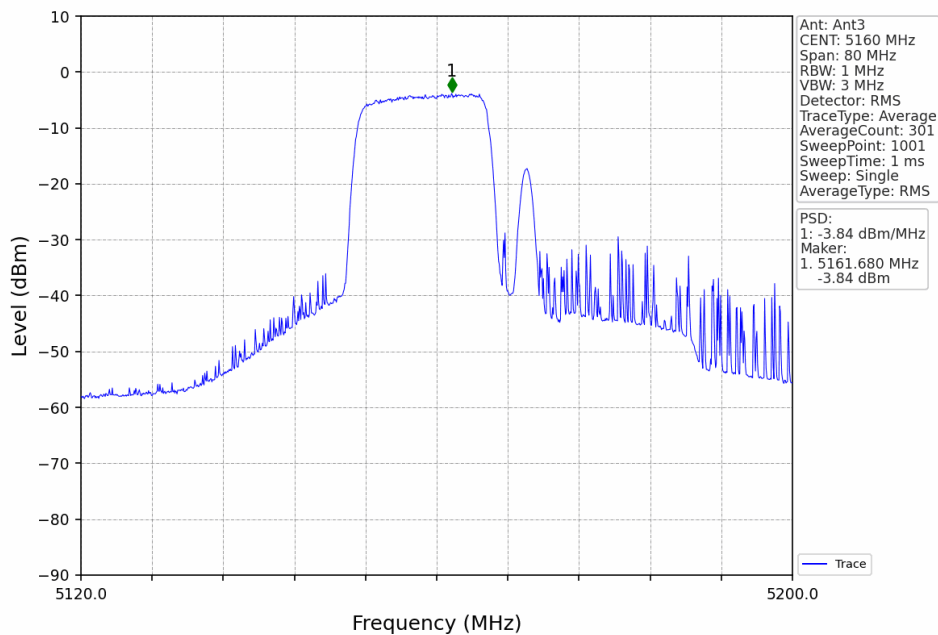
40M RU\_LCH\_5160MHz\_Ant1\_NTNV



40M RU\_LCH\_5160MHz\_Ant2\_NTNV



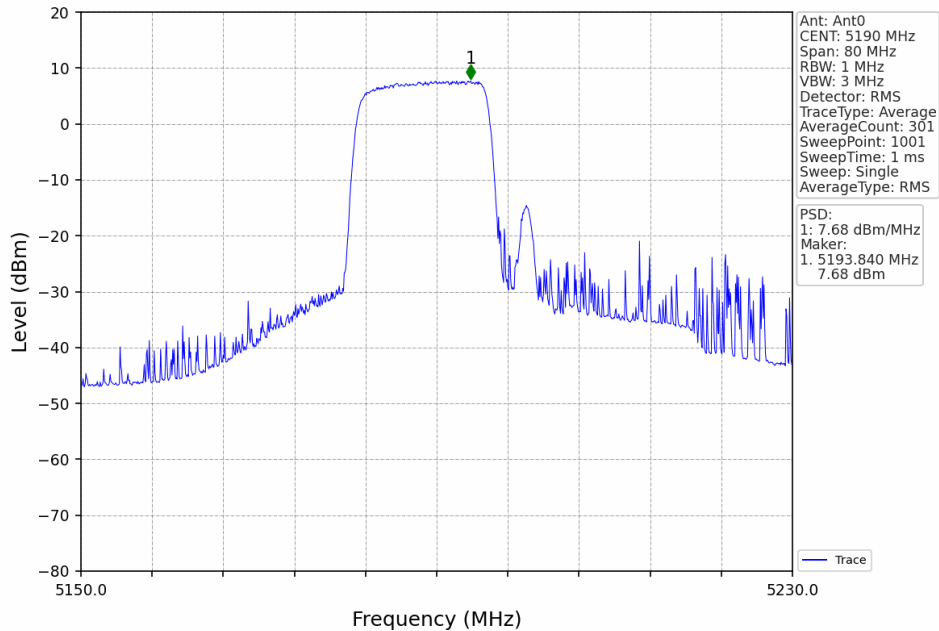
40M RU\_LCH\_5160MHz\_Ant3\_NTNV



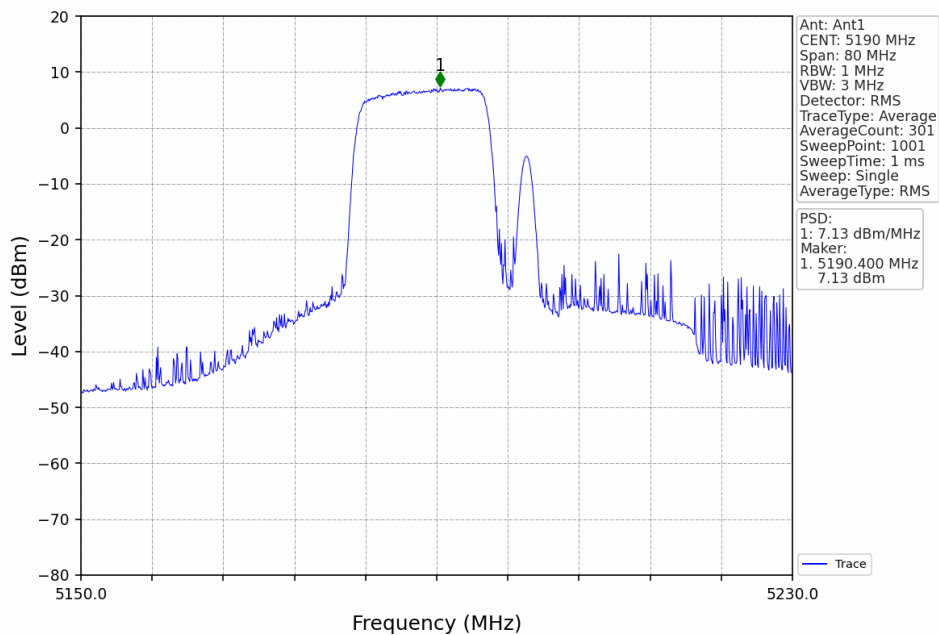
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### 40M RU\_MCH\_5190MHz\_Ant0\_NTNV



### 40M RU\_MCH\_5190MHz\_Ant1\_NTNV



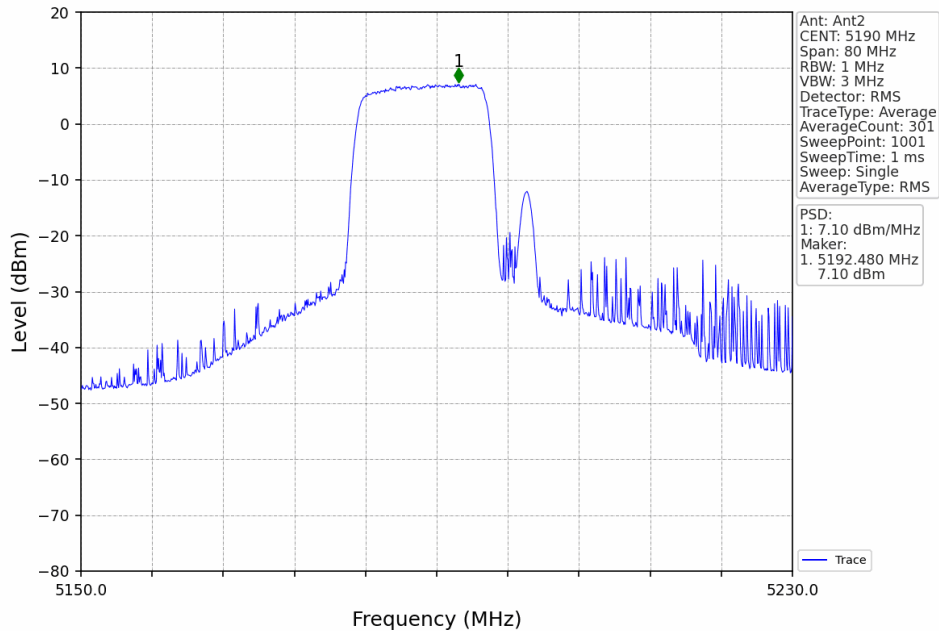
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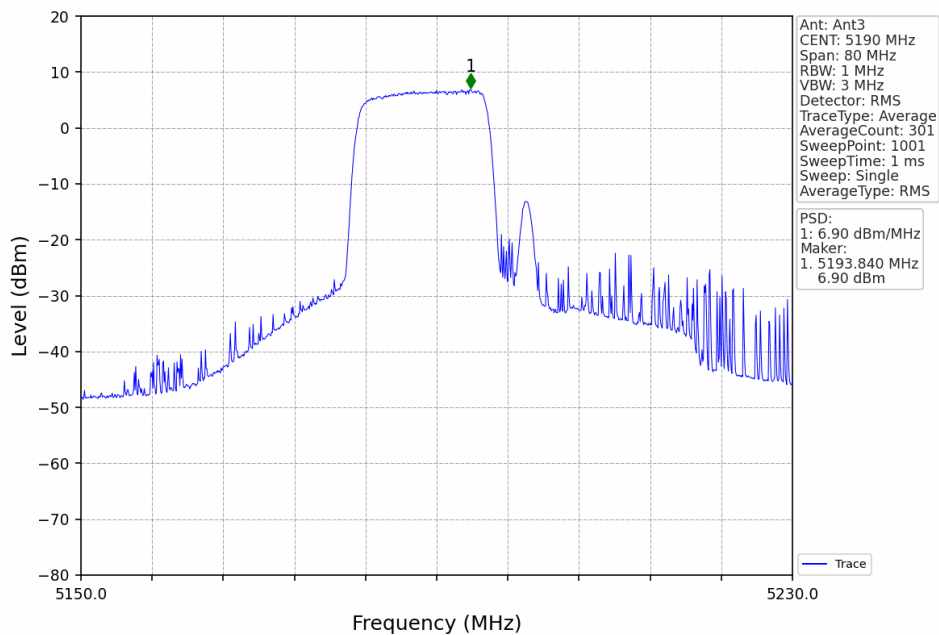
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### 40M RU\_MCH\_5190MHz\_Ant2\_NTNV



### 40M RU\_MCH\_5190MHz\_Ant3\_NTNV



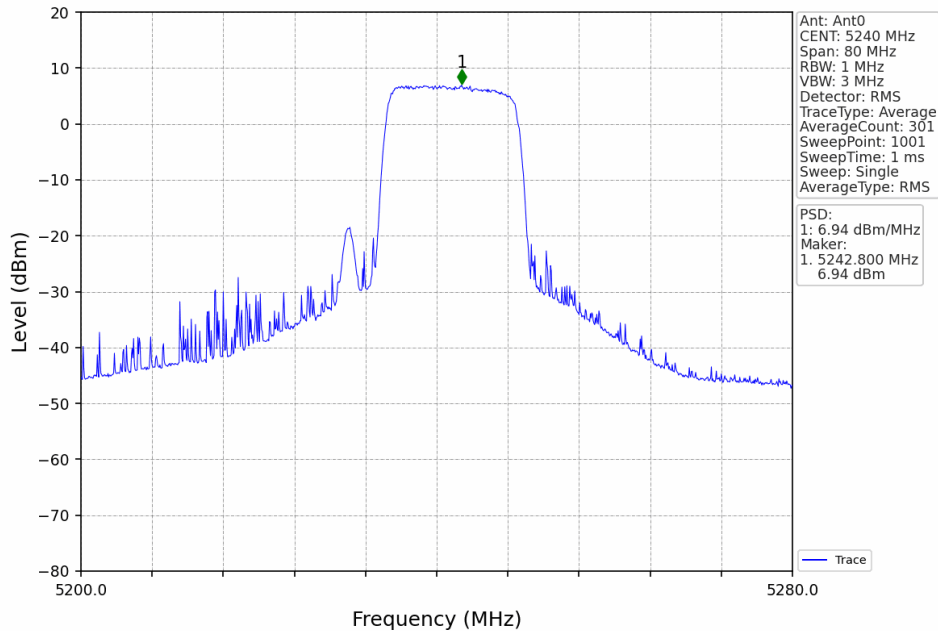
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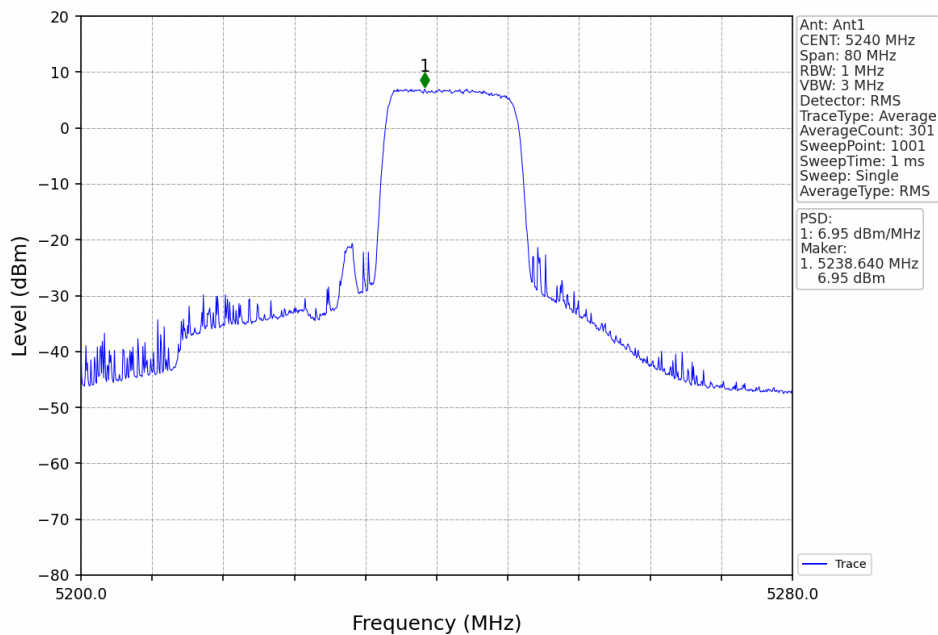
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### 40M RU\_HCH\_5240MHz\_Ant0\_NTNV



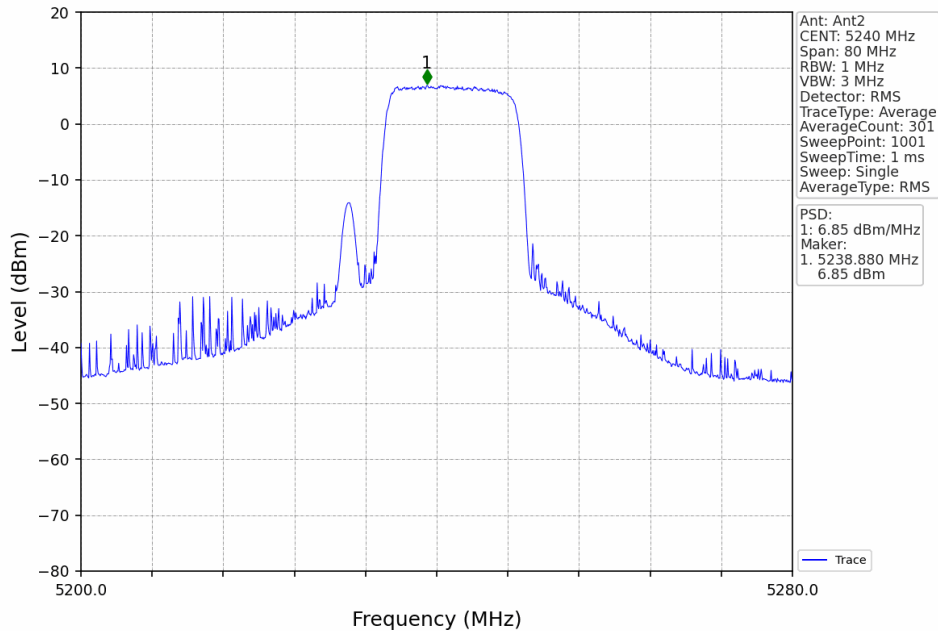
### 40M RU\_HCH\_5240MHz\_Ant1\_NTNV



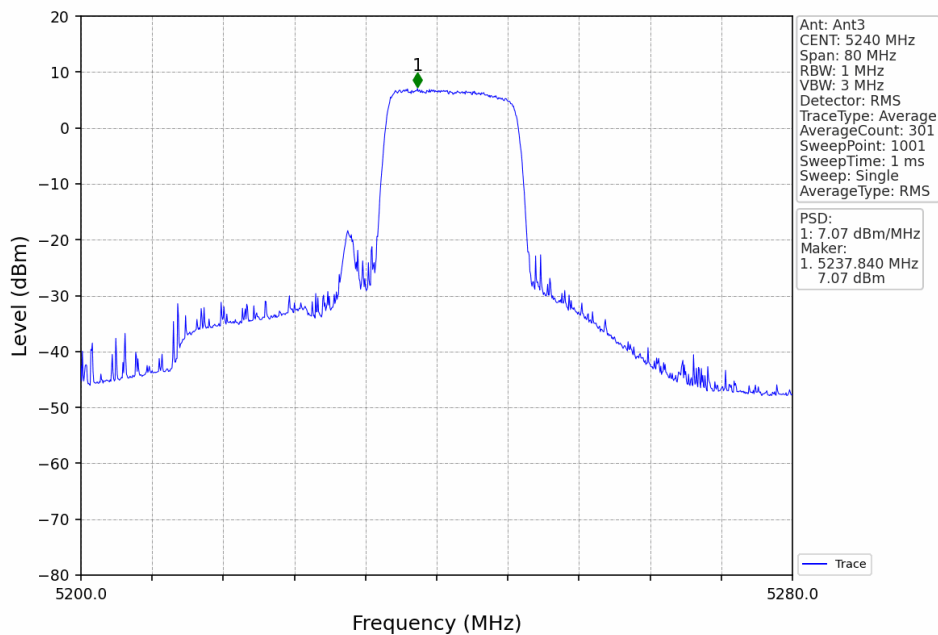
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### 40M RU\_HCH\_5240MHz\_Ant2\_NTNV



### 40M RU\_HCH\_5240MHz\_Ant3\_NTNV



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

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## 5.1G SDR Partial MIMO Mode

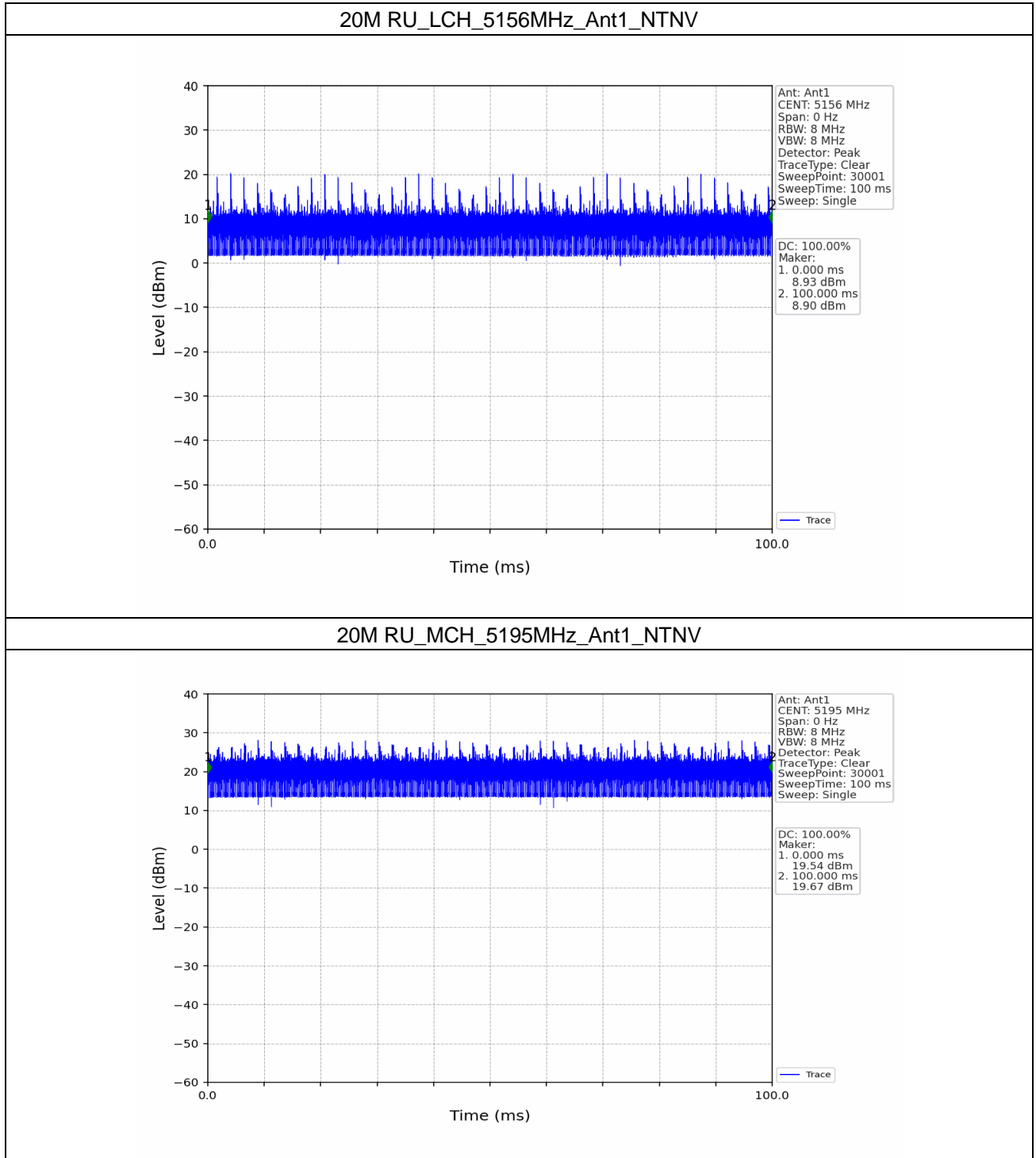
### 1. Duty Cycle

#### 1.1 Ant1

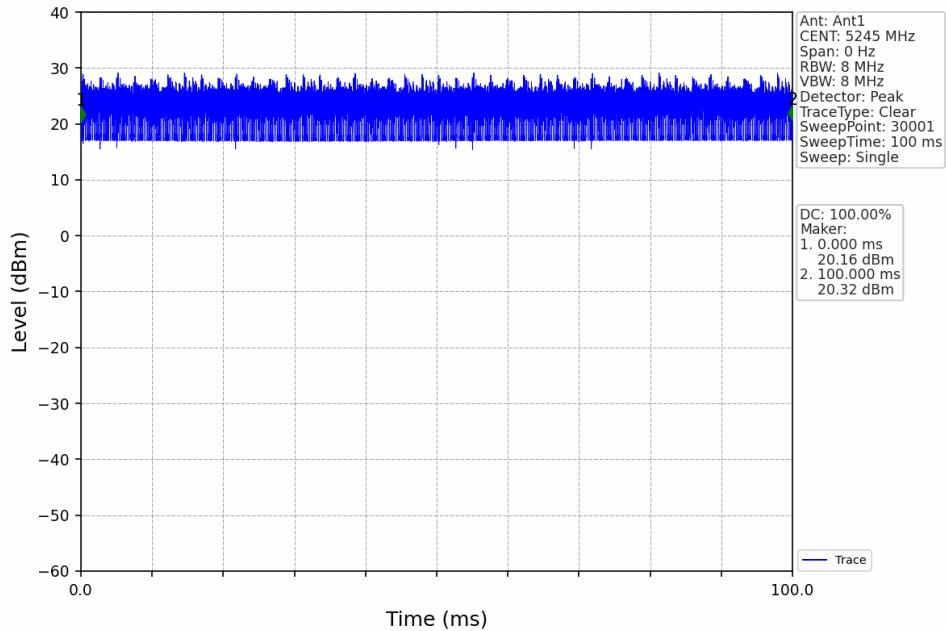
##### 1.1.1 Test Result

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

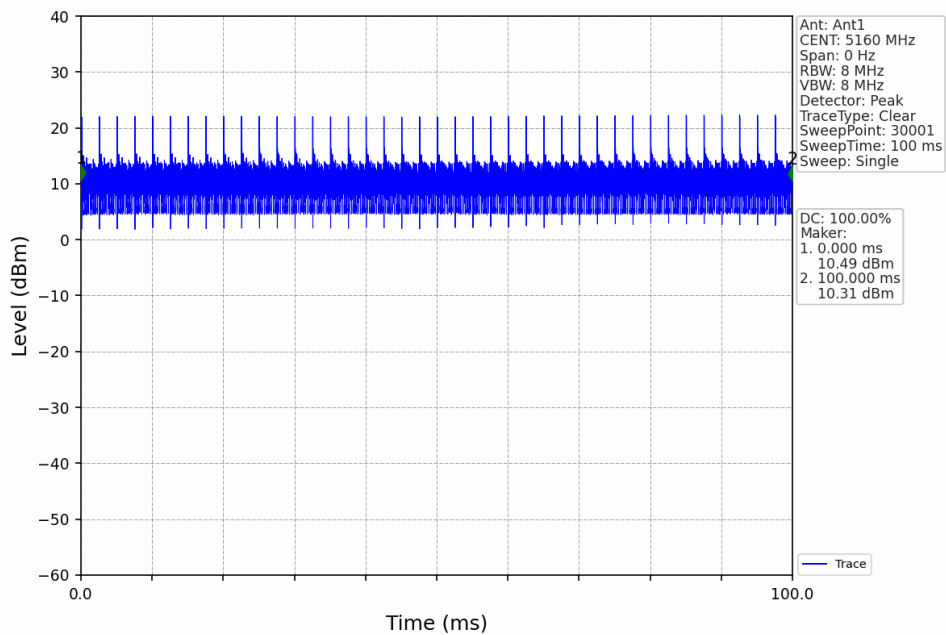
### 1.1.2 Test Graph



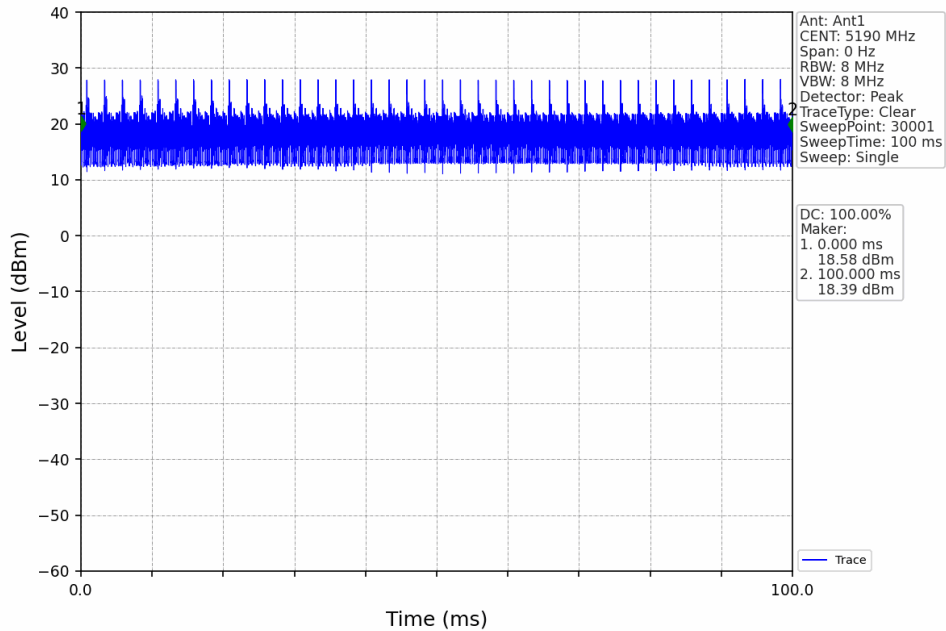
### 20M RU\_HCH\_5245MHz\_Ant1\_NTNV



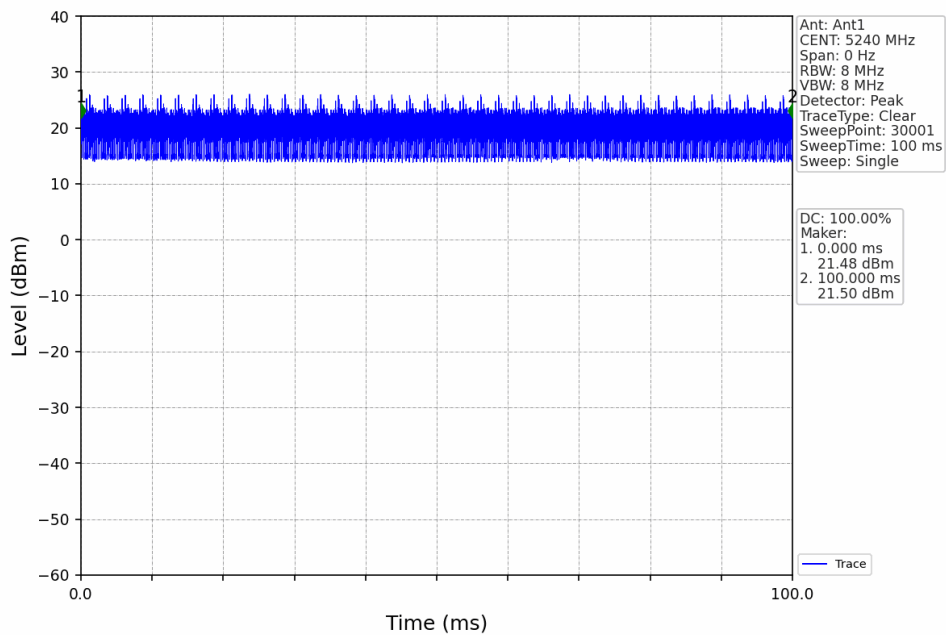
### 40M RU\_LCH\_5160MHz\_Ant1\_NTNV



### 40M RU\_MCH\_5190MHz\_Ant1\_NTNV



### 40M RU\_HCH\_5240MHz\_Ant1\_NTNV



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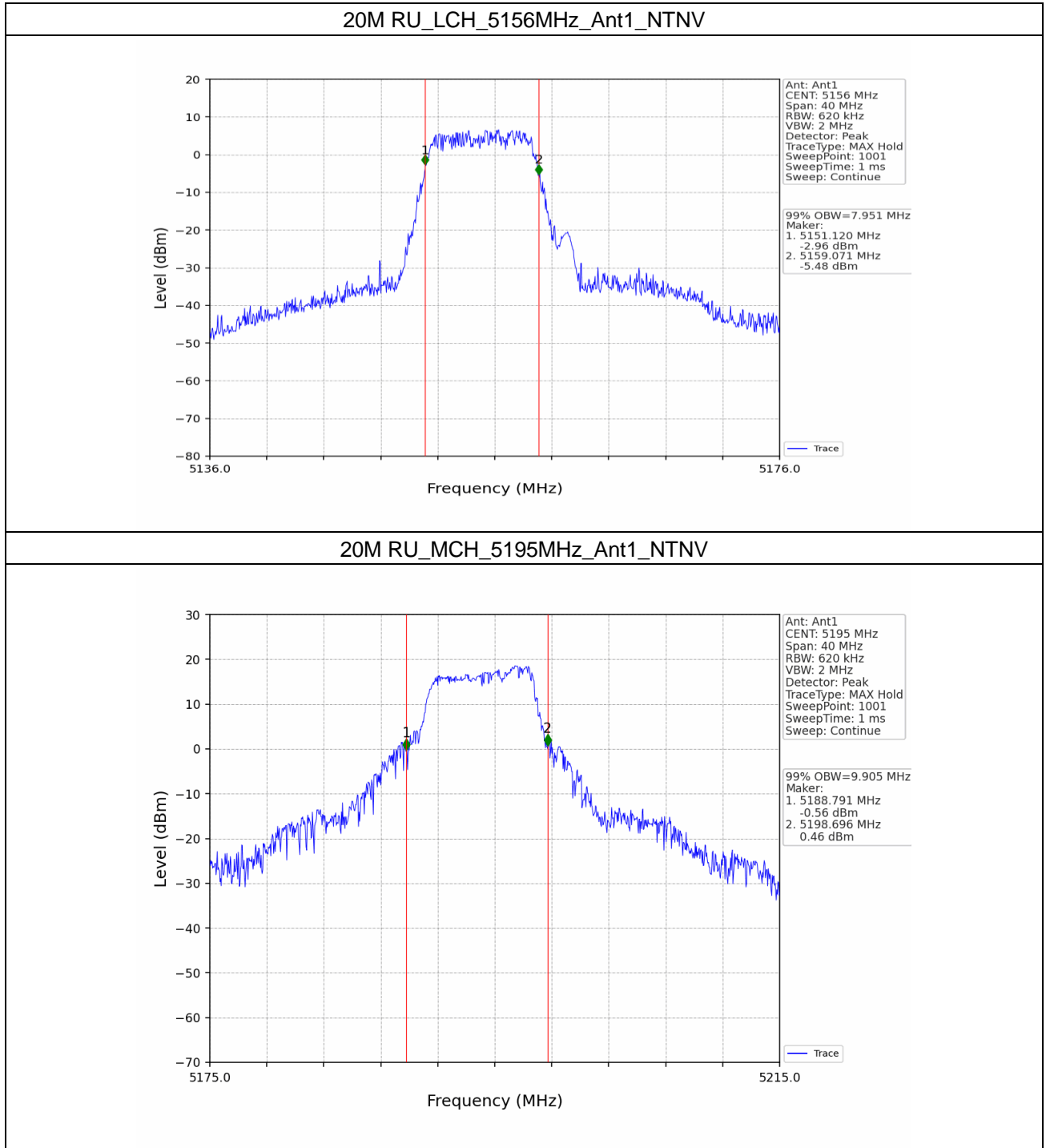
### 2. Bandwidth

#### 2.1 OBW

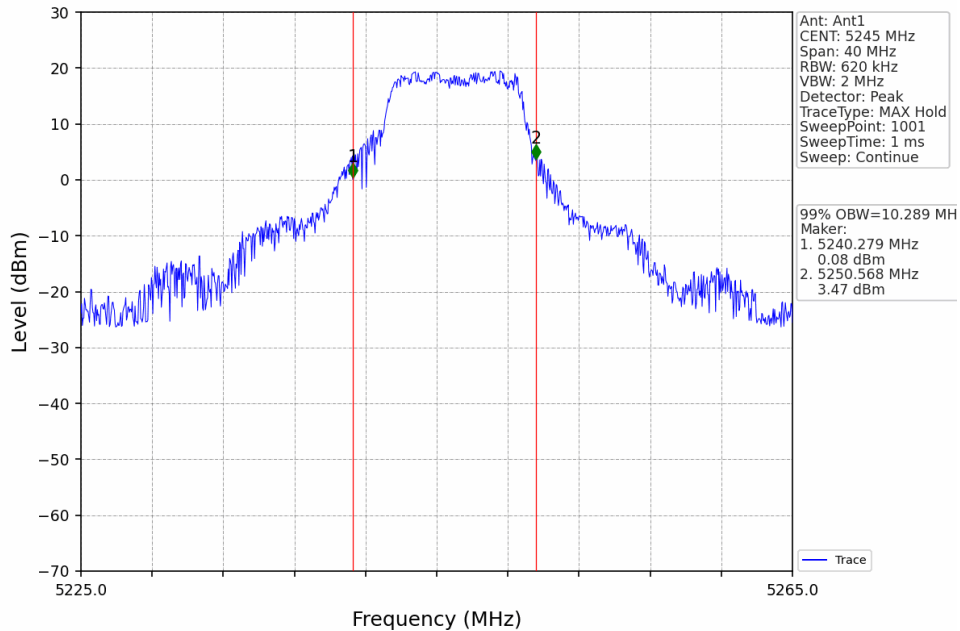
##### 2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
20M RU	MIMO	5156	1	7.951	Pass
		5195	1	9.905	Pass
		5245	1	10.289	Pass
40M RU	MIMO	5160	1	14.869	Pass
		5190	1	15.954	Pass
		5240	1	16.235	Pass

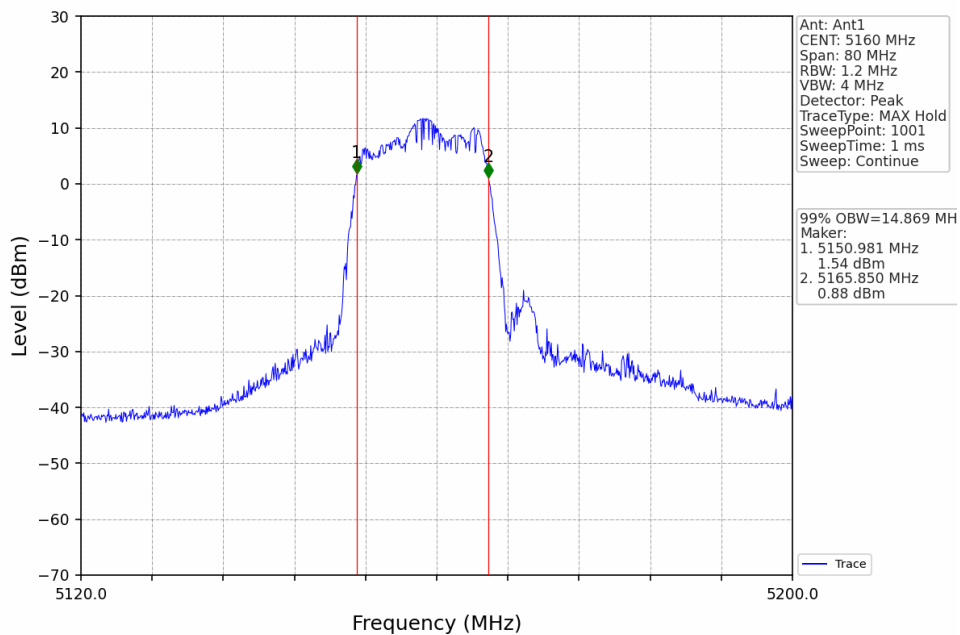
### 2.1.2 Test Graph



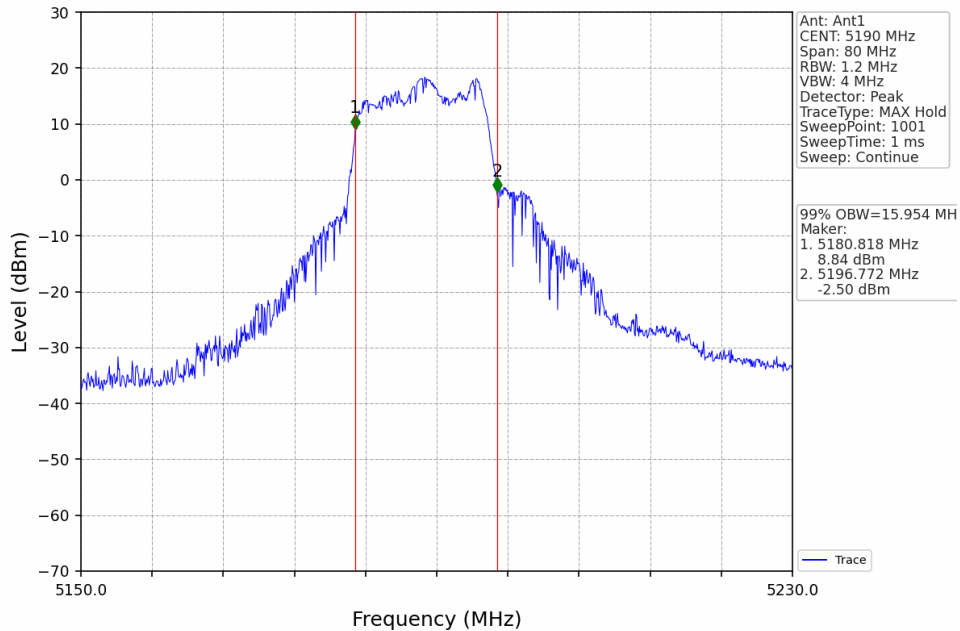
### 20M RU\_HCH\_5245MHz\_Ant1\_NTNV



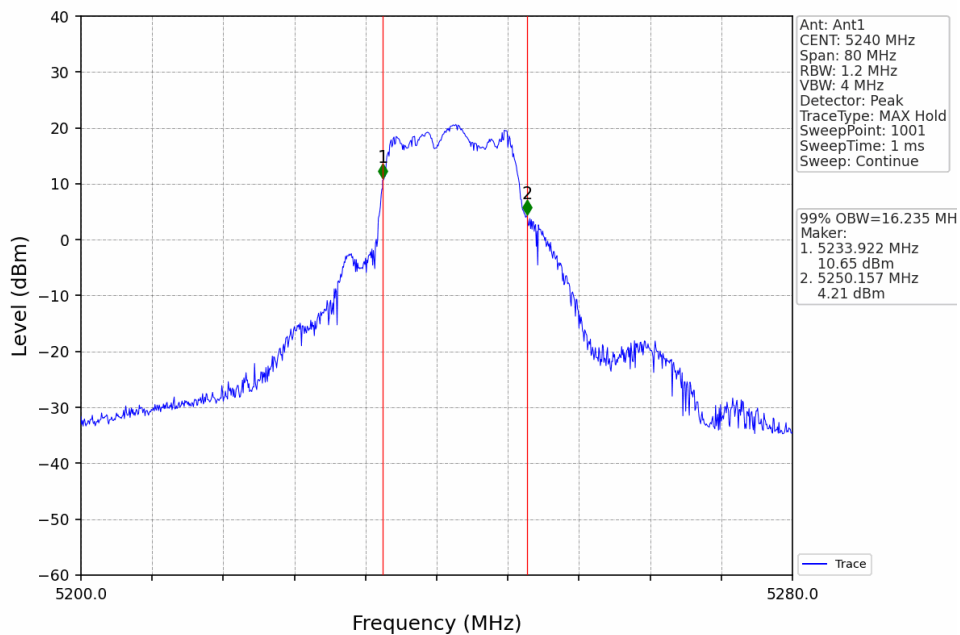
### 40M RU\_LCH\_5160MHz\_Ant1\_NTNV



### 40M RU\_MCH\_5190MHz\_Ant1\_NTNV



### 40M RU\_HCH\_5240MHz\_Ant1\_NTNV



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Report No.: SZCR230900303107

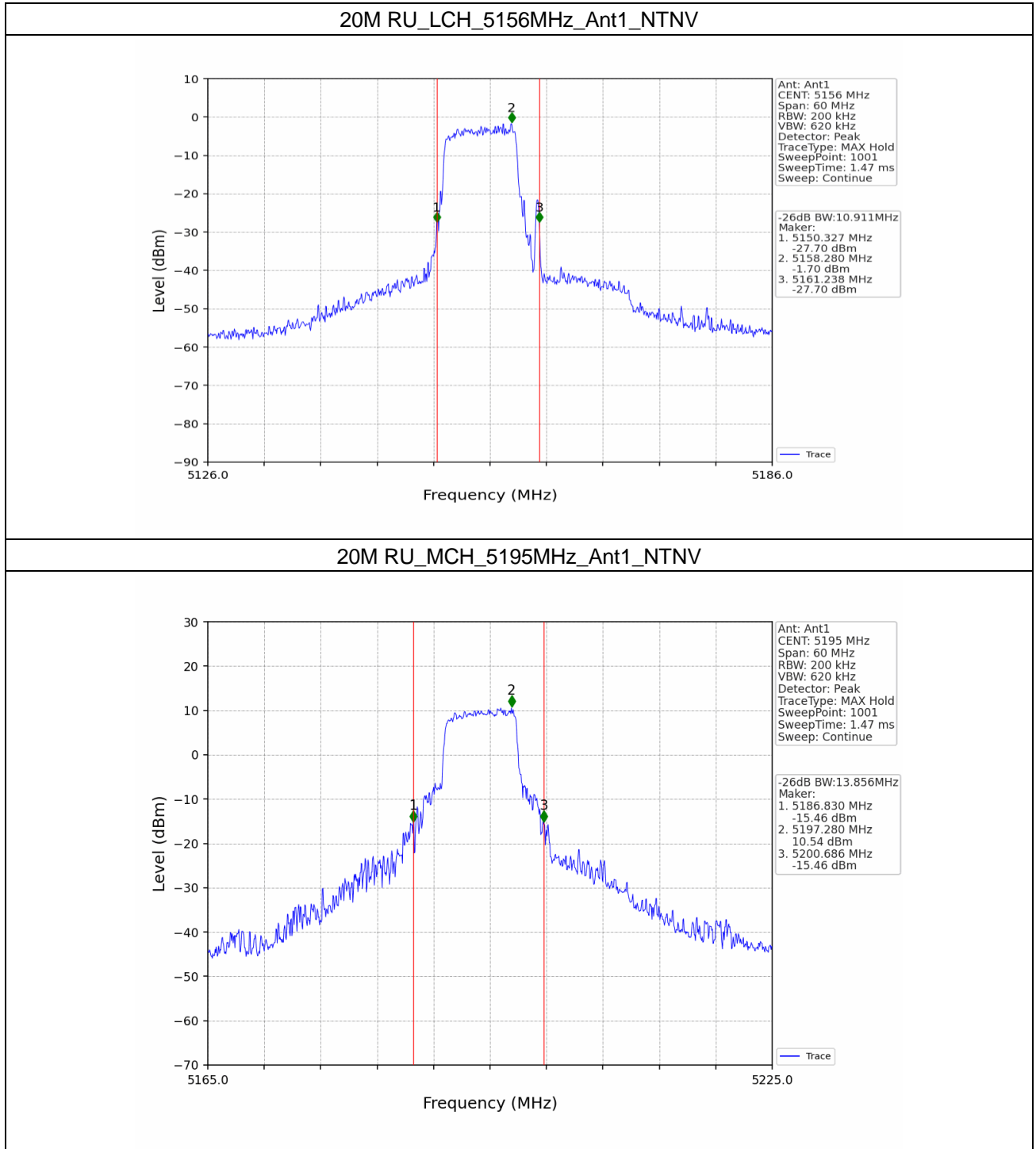
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## 2.2 26dB BW

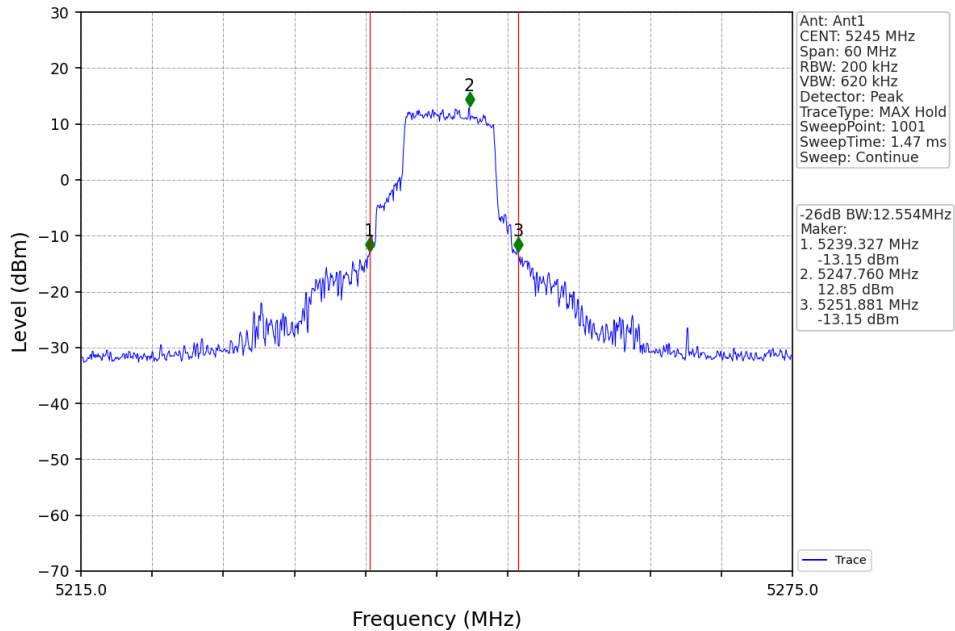
### 2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	26dB Bandwidth (MHz)	Verdict
				Result	
20M RU	MIMO	5156	1	10.911	Pass
		5195	1	13.856	Pass
		5245	1	12.554	Pass
40M RU	MIMO	5160	1	16.161	Pass
		5190	1	21.343	Pass
		5240	1	23.489	Pass

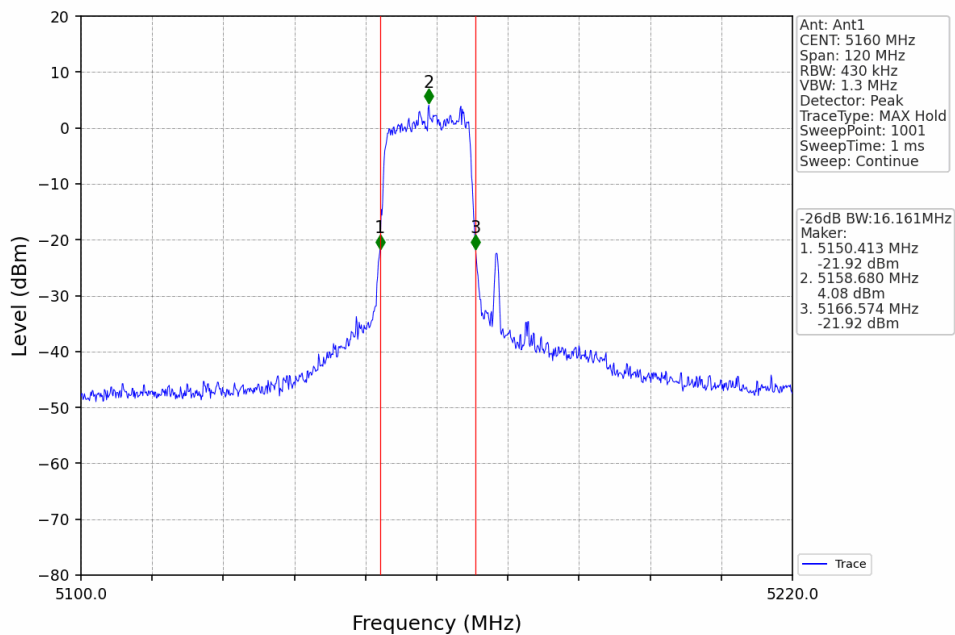
### 2.2.2 Test Graph



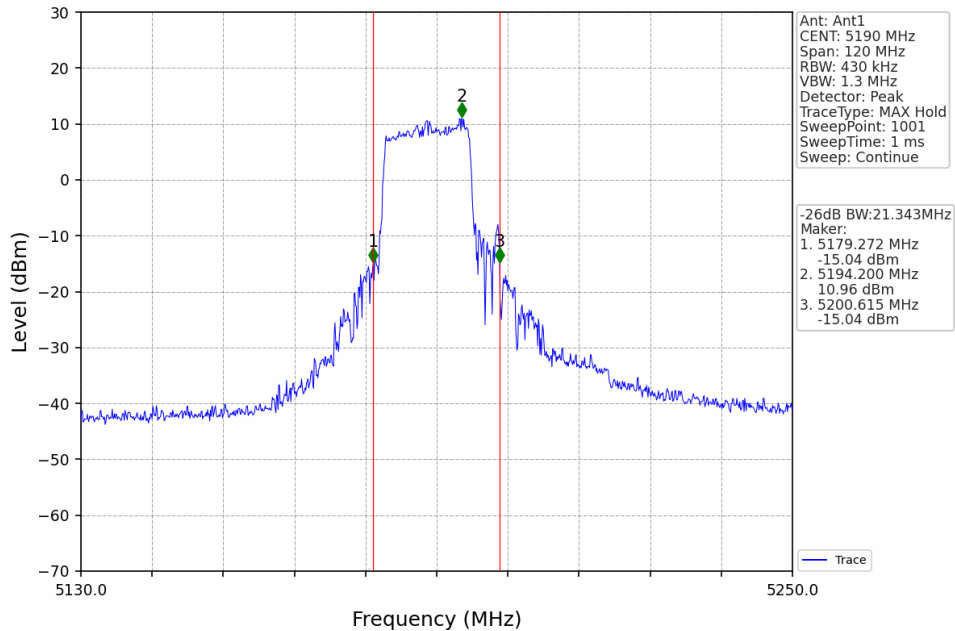
### 20M RU\_HCH\_5245MHz\_Ant1\_NTNV



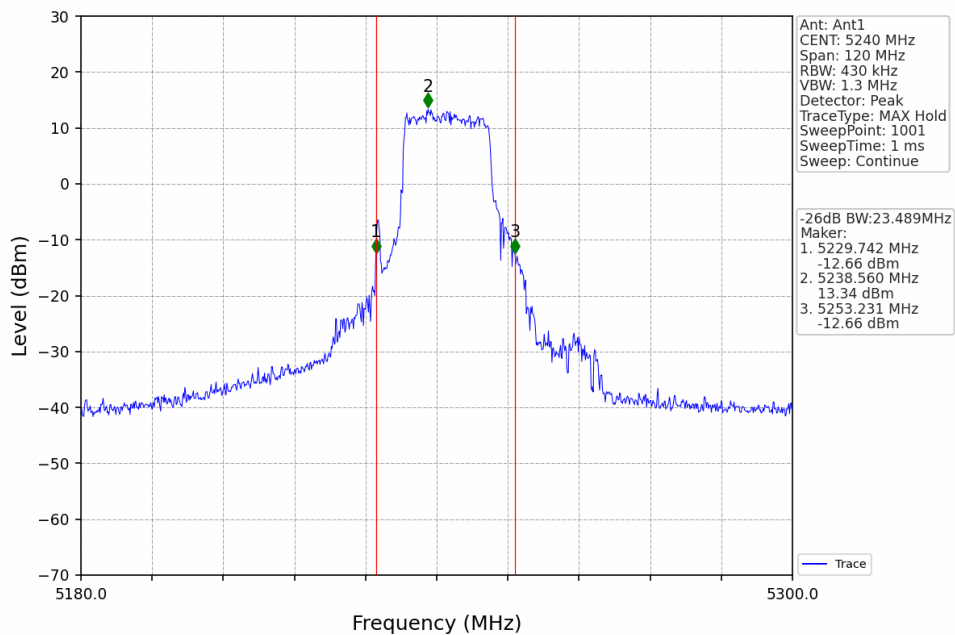
### 40M RU\_LCH\_5160MHz\_Ant1\_NTNV



### 40M RU\_MCH\_5190MHz\_Ant1\_NTNV



### 40M RU\_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	3.16	3.14	6.16	$\leq 23.97$	Pass
		5195	15.09	13.59	17.41	$\leq 23.97$	Pass
		5245	15.90	11.21	17.17	$\leq 23.97$	Pass
40M RU	MIMO	5160	5.45	4.89	8.19	$\leq 23.97$	Pass
		5190	15.34	14.11	17.78	$\leq 23.97$	Pass
		5240	14.80	13.10	17.04	$\leq 23.97$	Pass

Note1: Antenna Gain: Ant1: 3dBi, Ant2: 3dBi,  
Note2: Directional gain= $G_{ANT}+10 \log(N_{ANT})$ dBi=3 dBi+3.01dBi=6.01dBi

## 4. Maximum Power Spectral Density

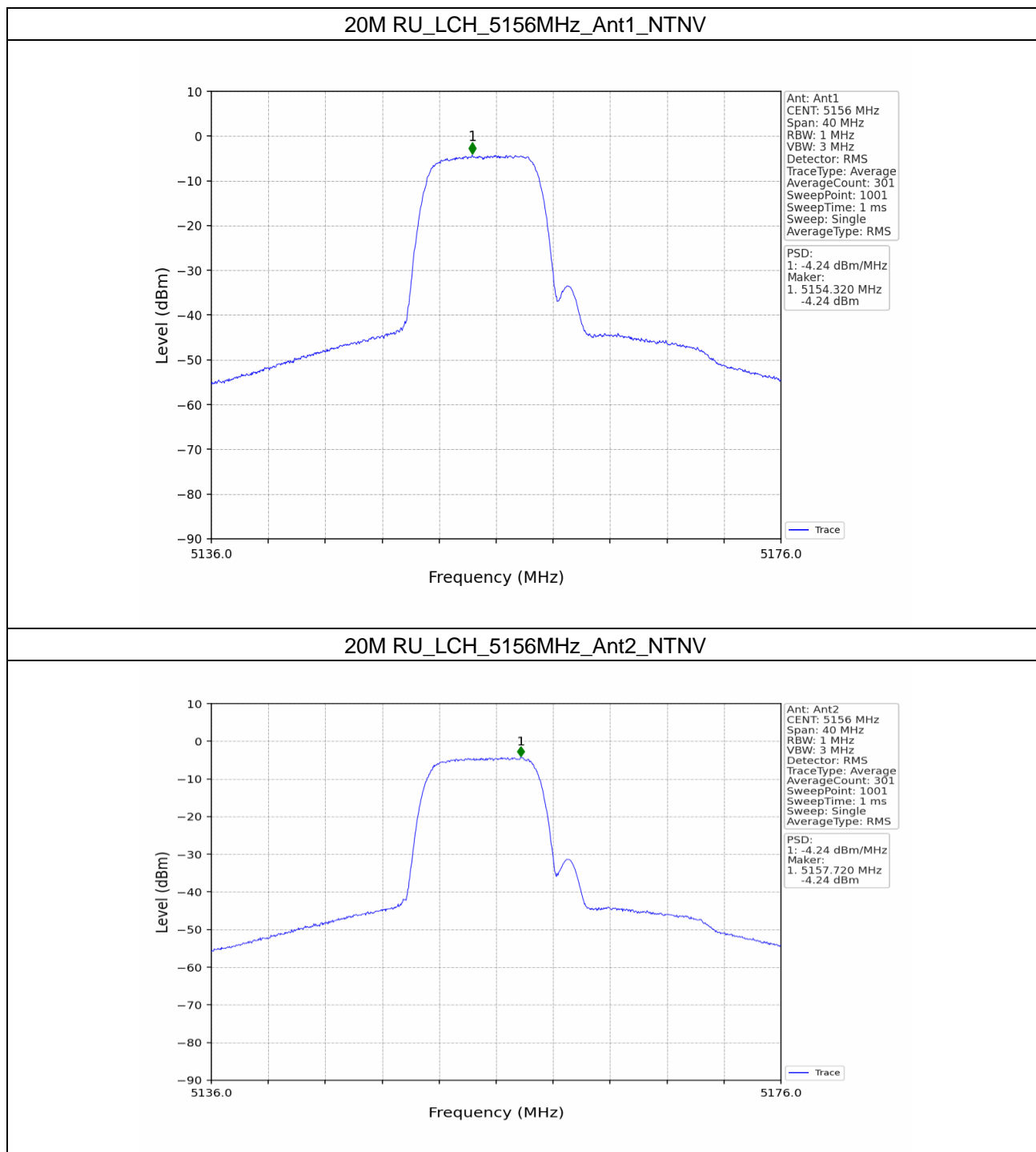
### 4.1 PSD

#### 4.1.1 Test Result

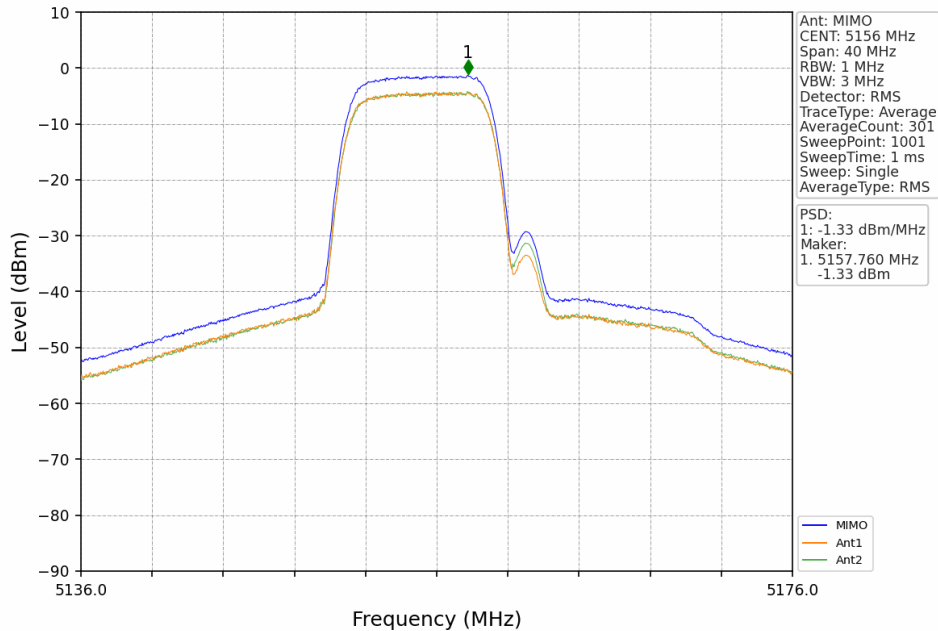
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/MHz)				Verdict
			ANT1	ANT2	MIMO	Limit	
20M RU	MIMO	5156	-4.24	-4.24	-1.33	$\leq 10.99$	Pass
		5195	7.49	5.85	9.58	$\leq 10.99$	Pass
		5245	8.19	3.39	9.27	$\leq 10.99$	Pass
40M RU	MIMO	5160	-4.57	-5.39	-1.97	$\leq 10.99$	Pass
		5190	5.02	3.66	7.25	$\leq 10.99$	Pass
		5240	4.45	2.58	6.53	$\leq 10.99$	Pass

Note1: Antenna Gain: Ant1: 3dBi, Ant2: 3dBi,  
Note2: Directional gain= $G_{ANT}+10 \log(N_{ANT})$ dBi=3 dBi+3.01dBi=6.01dBi

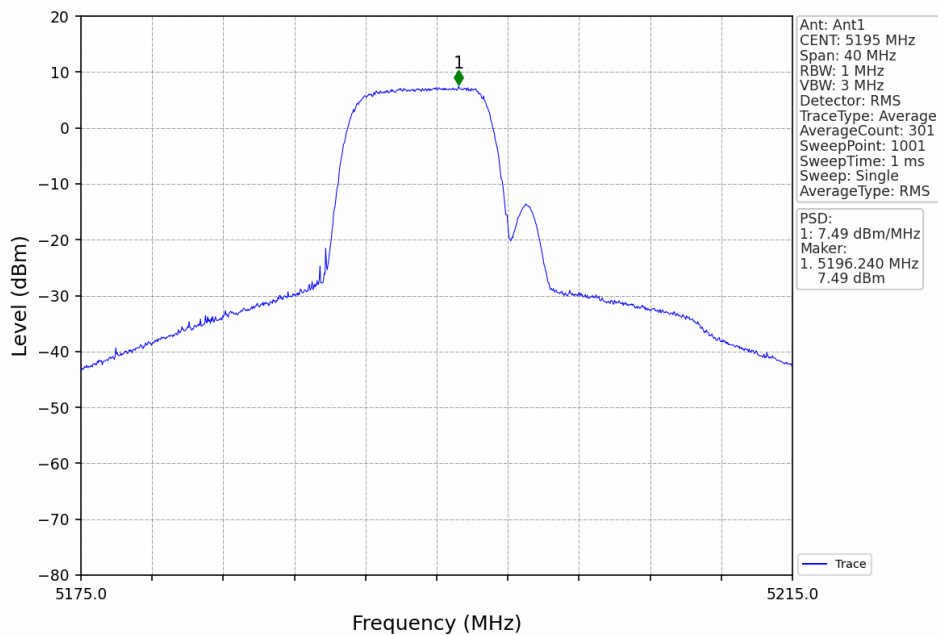
### 4.1.2 Test Graph



### 20M RU\_LCH\_5156MHz\_MIMO\_NTNV



### 20M RU\_MCH\_5195MHz\_Ant1\_NTNV



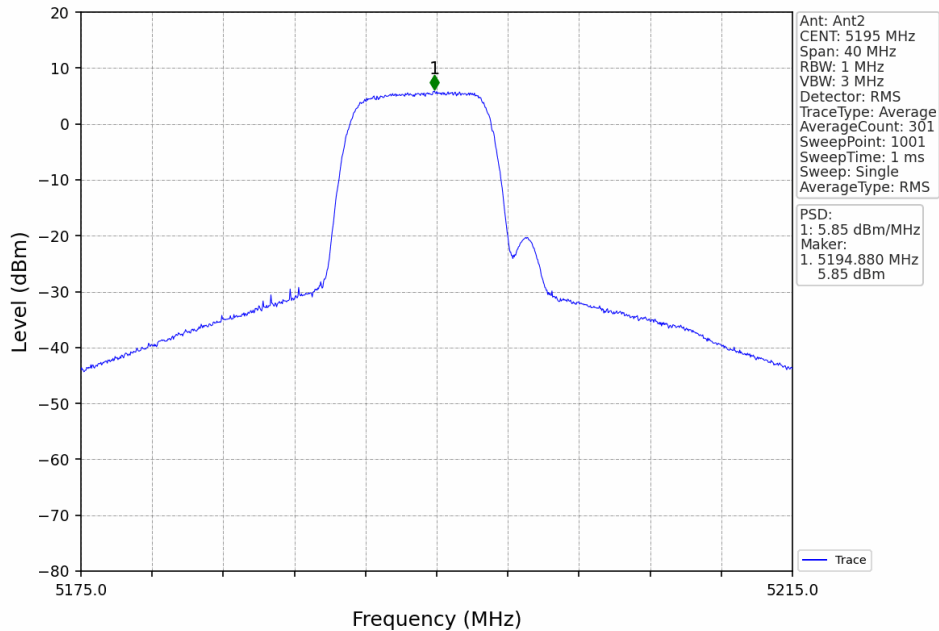
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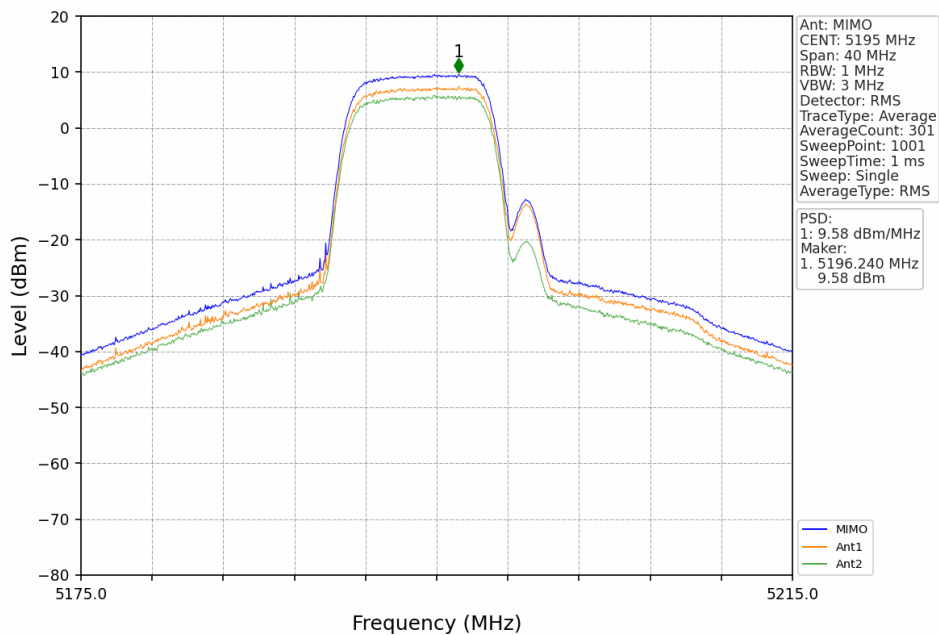
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### 20M RU\_MCH\_5195MHz\_Ant2\_NTNV



### 20M RU\_MCH\_5195MHz\_MIMO\_NTNV



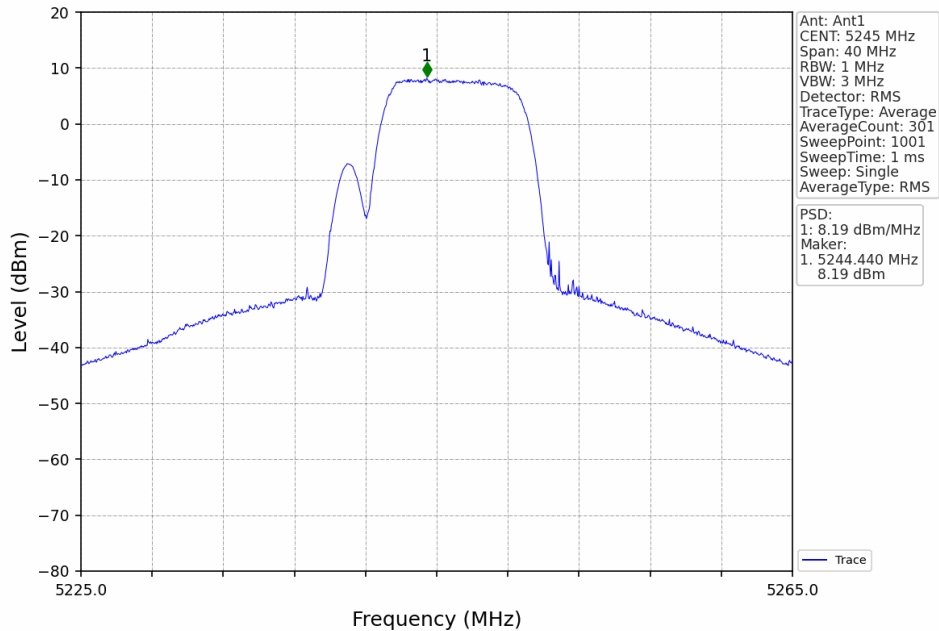
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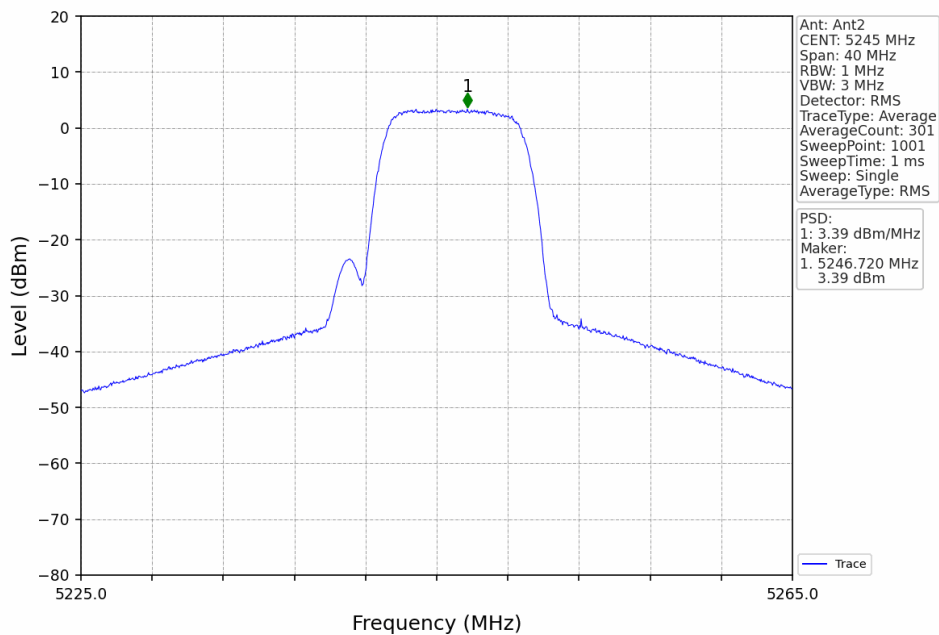
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20M RU\_HCH\_5245MHz\_Ant1\_NTNV



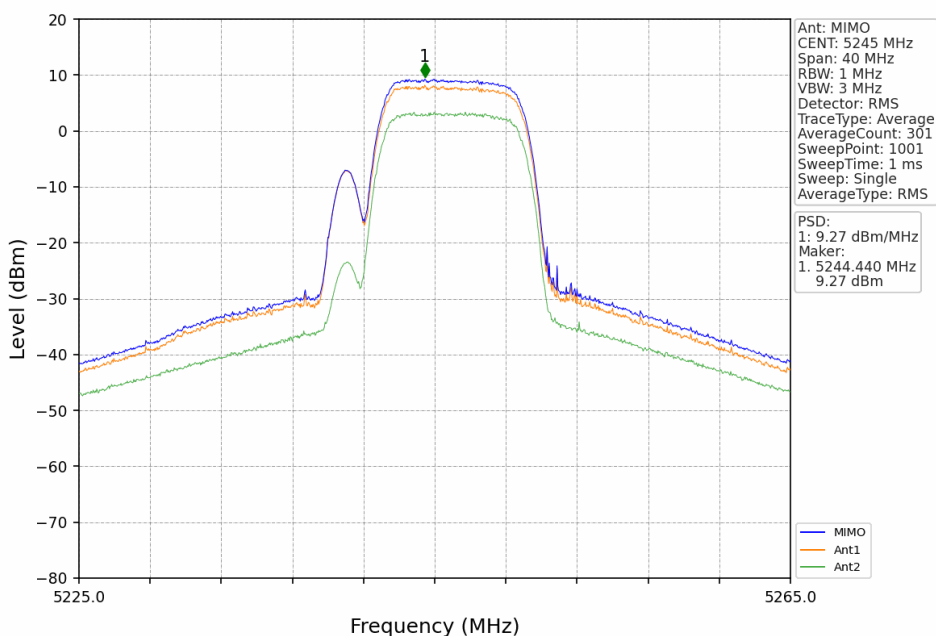
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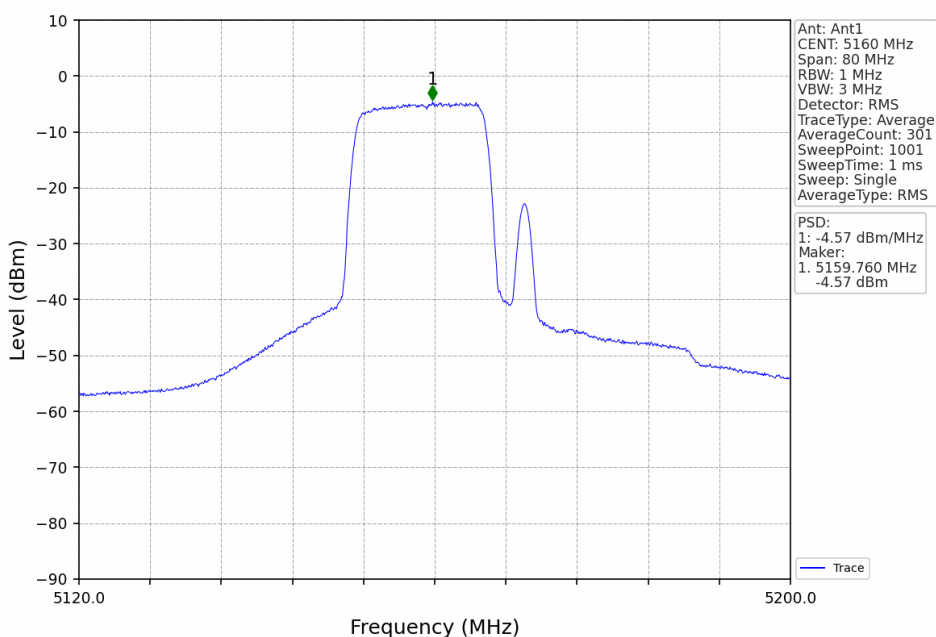
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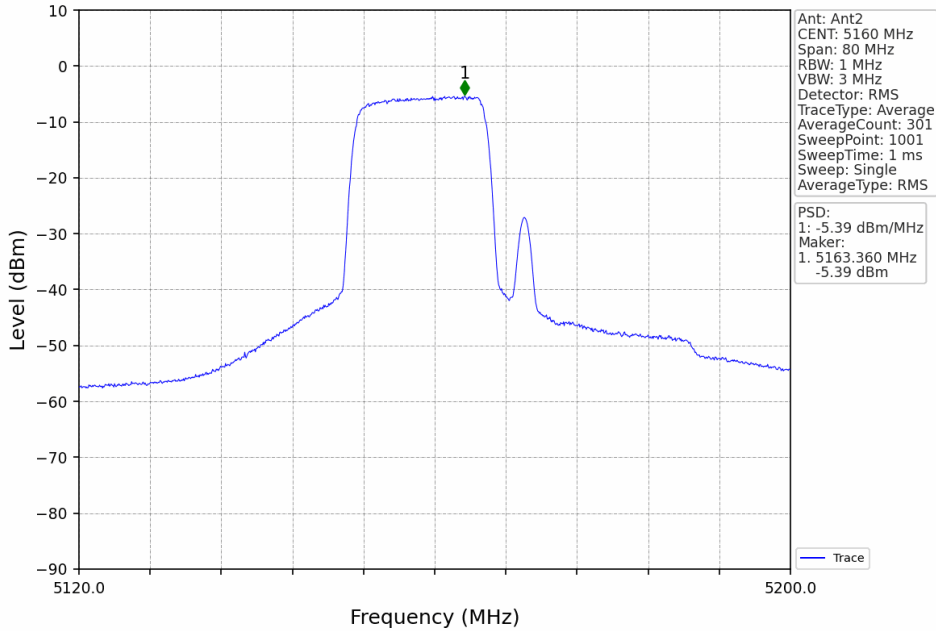
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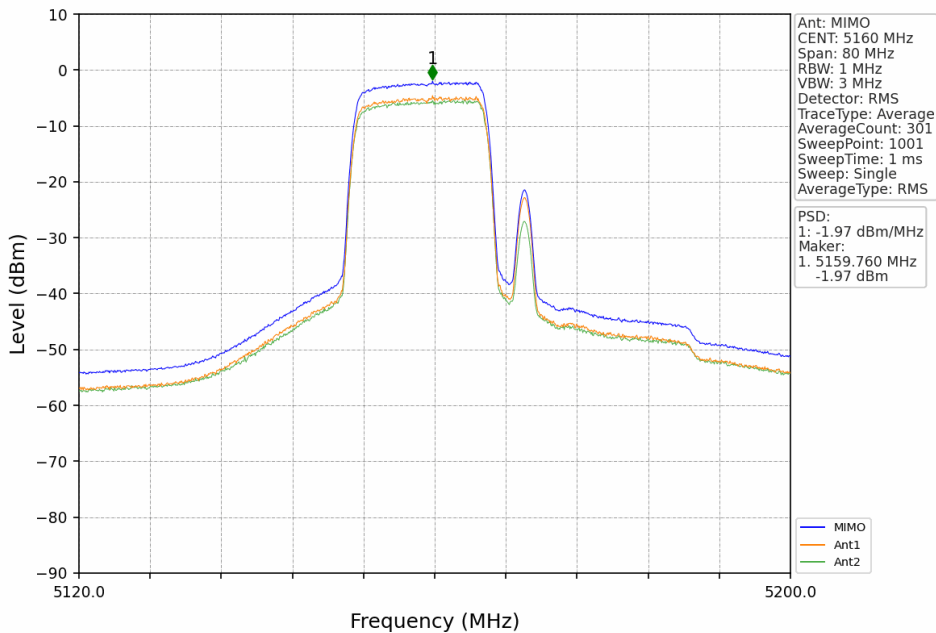
### 40M RU\_LCH\_5160MHz\_Ant1\_NTNV



### 40M RU\_LCH\_5160MHz\_Ant2\_NTNV



### 40M RU\_LCH\_5160MHz\_MIMO\_NTNV



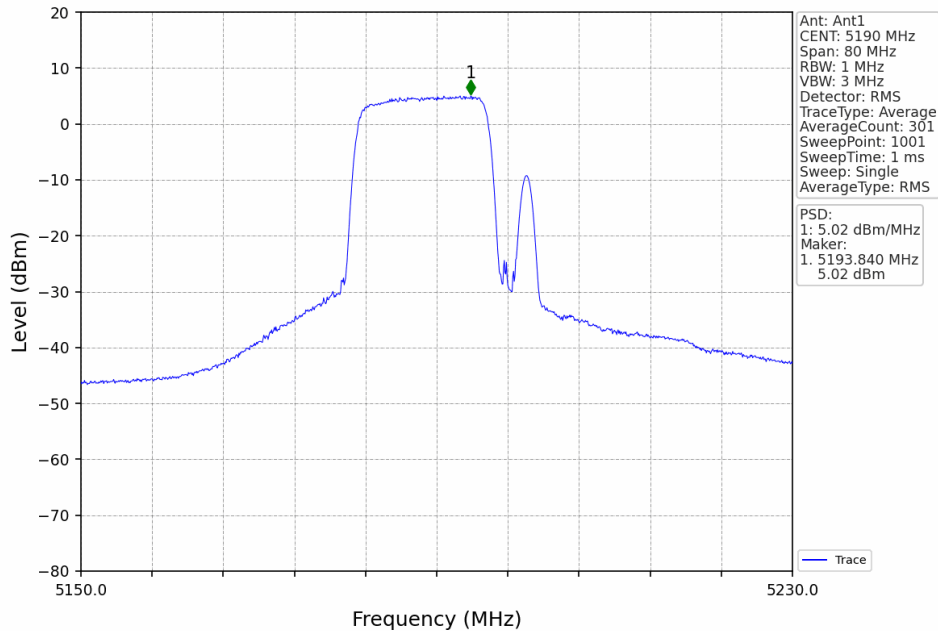
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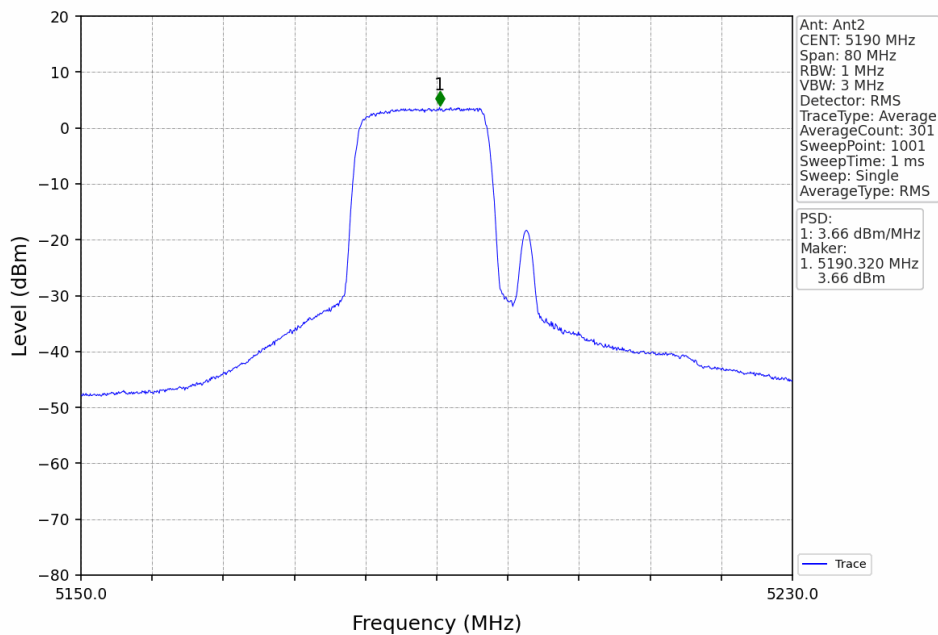
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### 40M RU\_MCH\_5190MHz\_Ant1\_NTNV



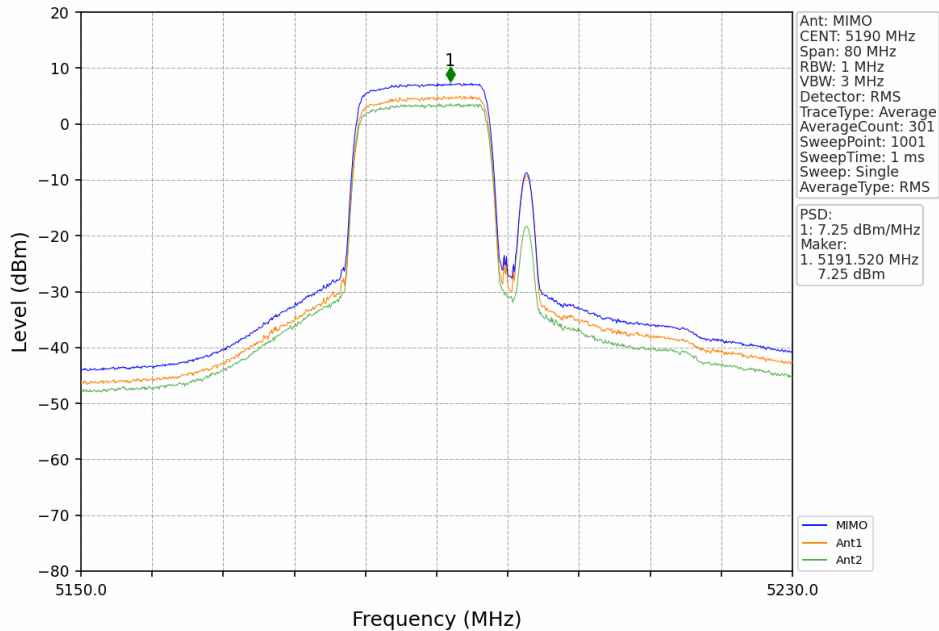
### 40M RU\_MCH\_5190MHz\_Ant2\_NTNV



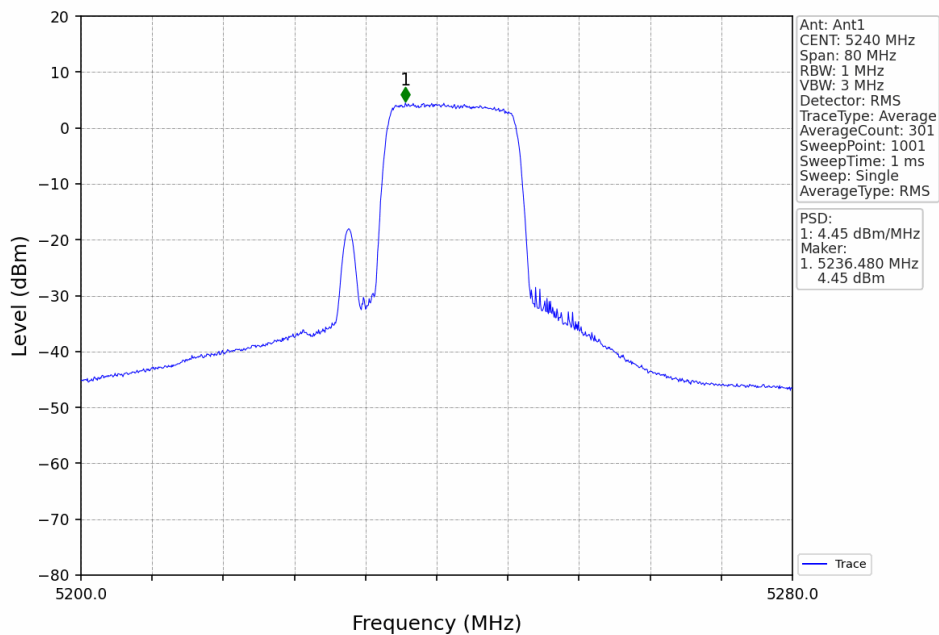
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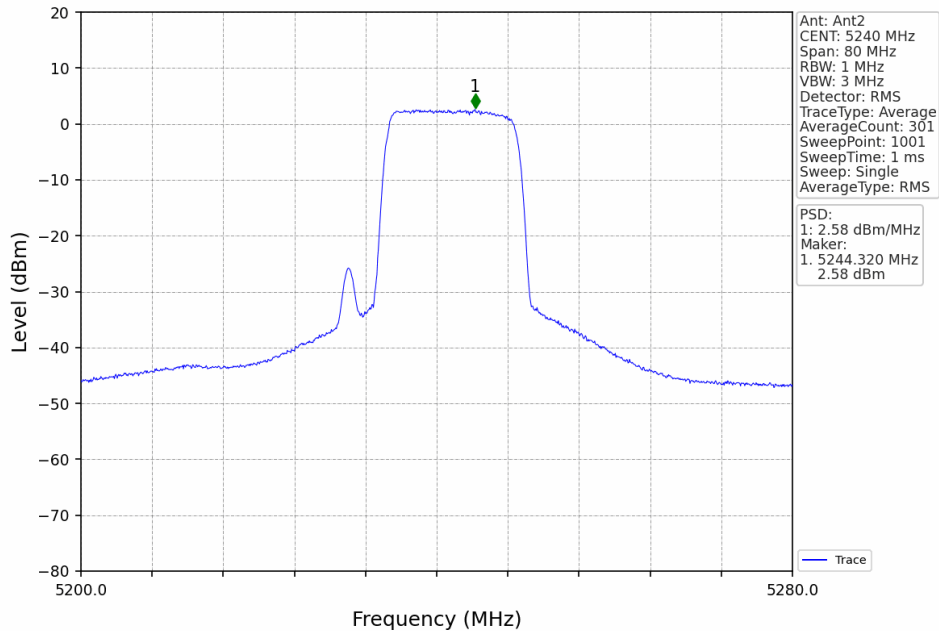
### 40M RU\_MCH\_5190MHz\_MIMO\_NTNV



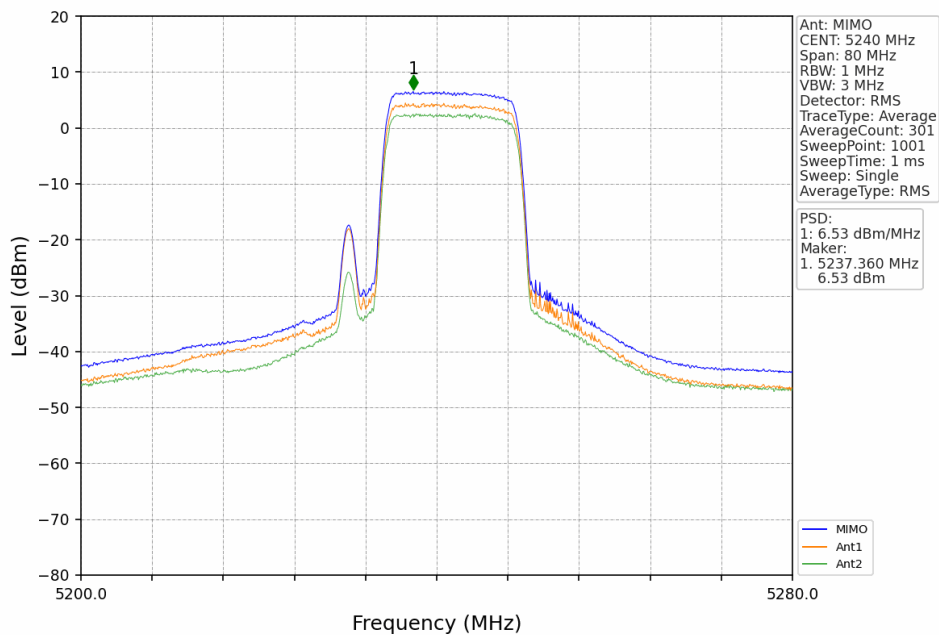
### 40M RU\_HCH\_5240MHz\_Ant1\_NTNV



### 40M RU\_HCH\_5240MHz\_Ant2\_NTNV



### 40M RU\_HCH\_5240MHz\_MIMO\_NTNV



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SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230900303107

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## 5.8G SDR SISO Mode

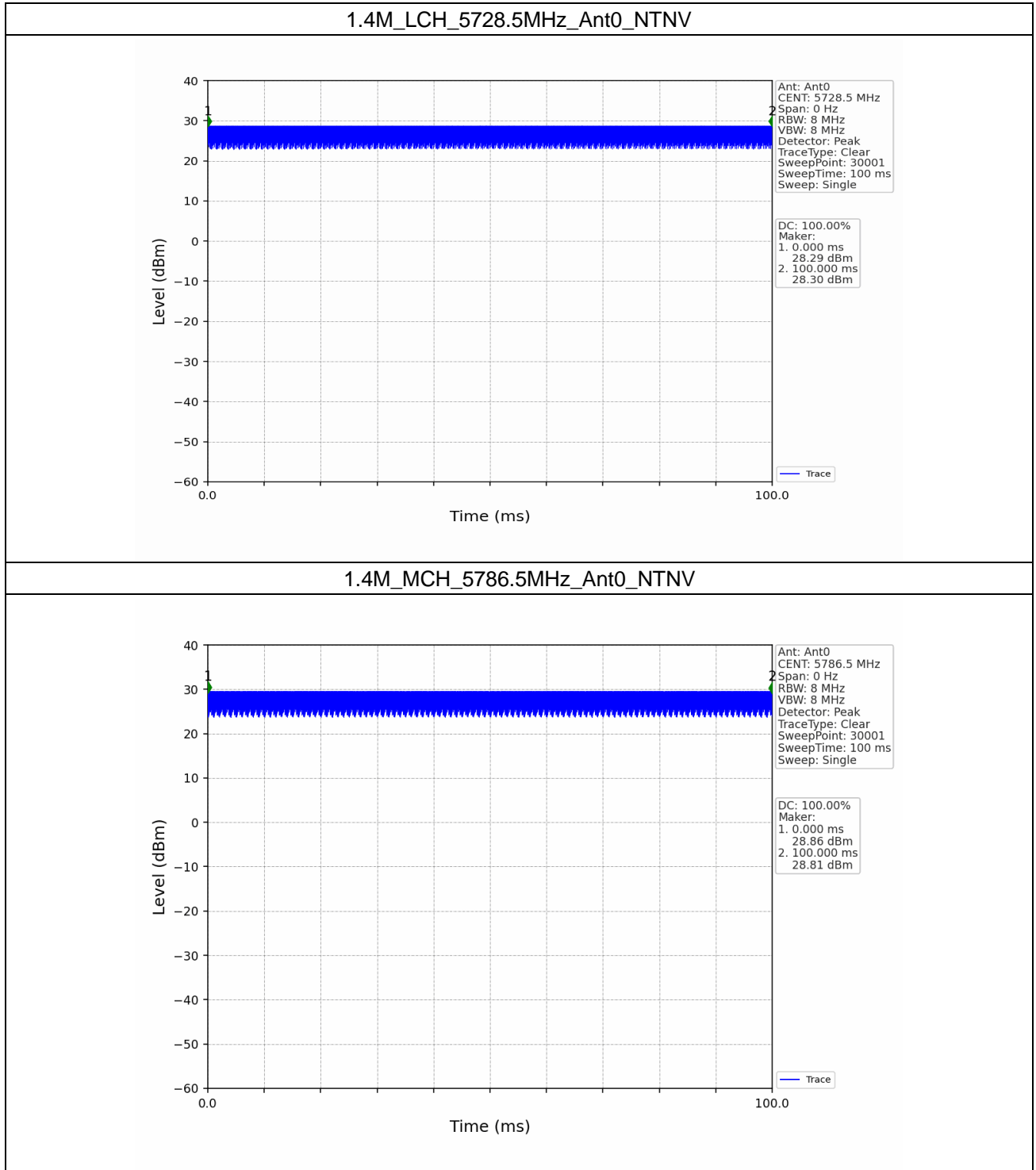
### 1. Duty Cycle

#### 1.1 Ant0

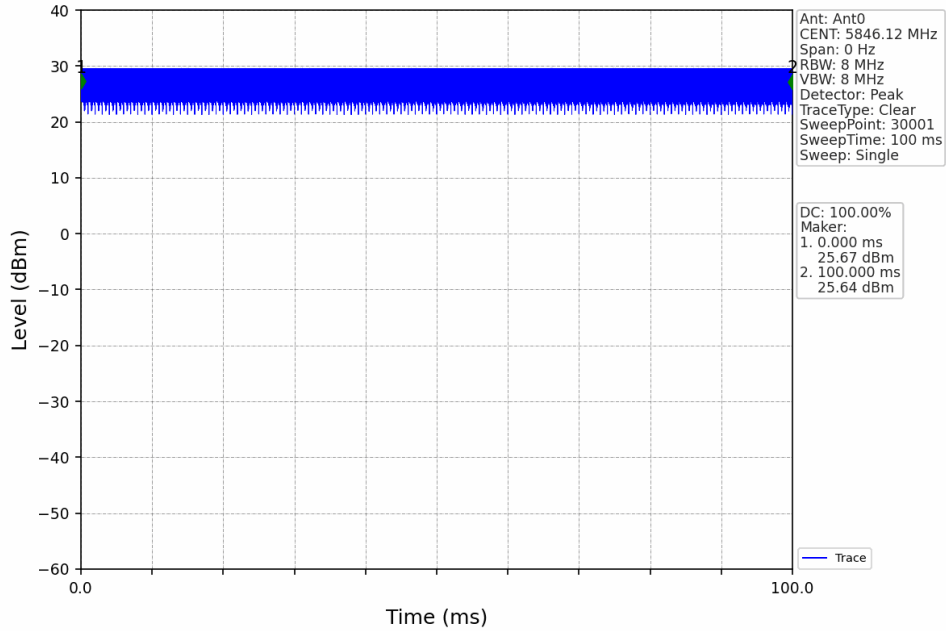
##### 1.1.1 Test Result

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

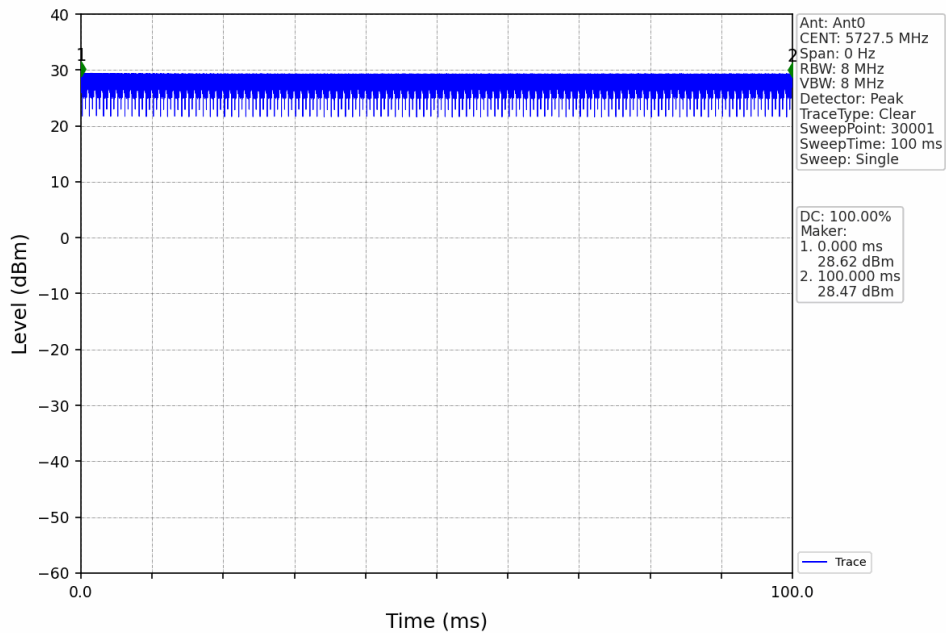
### 1.1.2 Test Graph



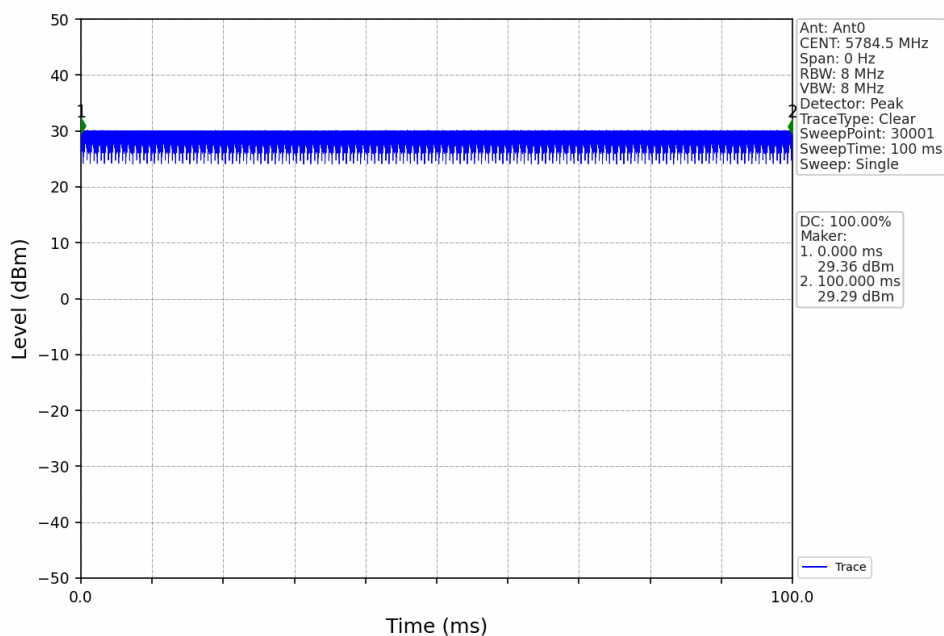
1.4M\_HCH\_5846.12MHz\_Ant0\_NTNV



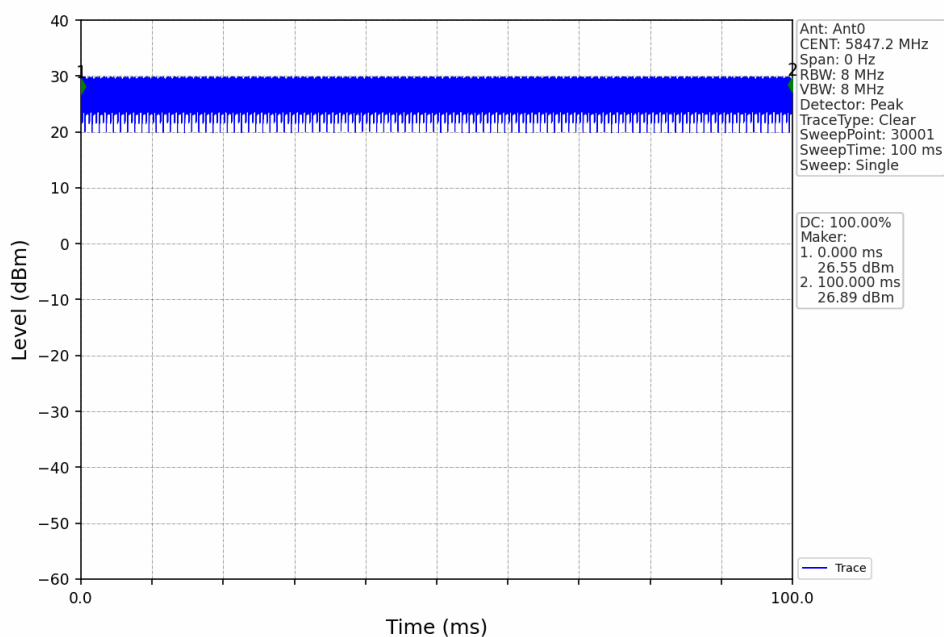
3M\_LCH\_5727.5MHz\_Ant0\_NTNV



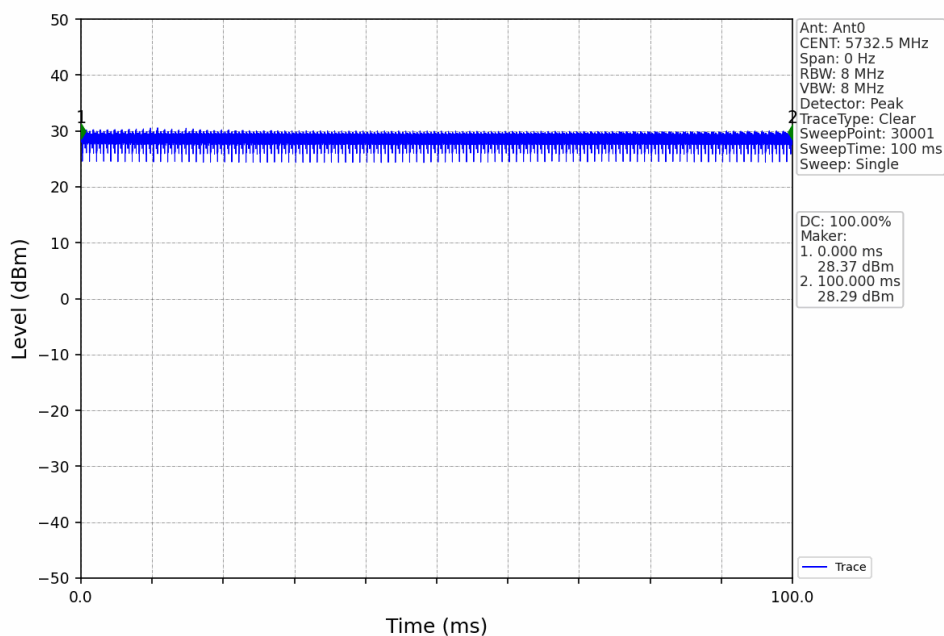
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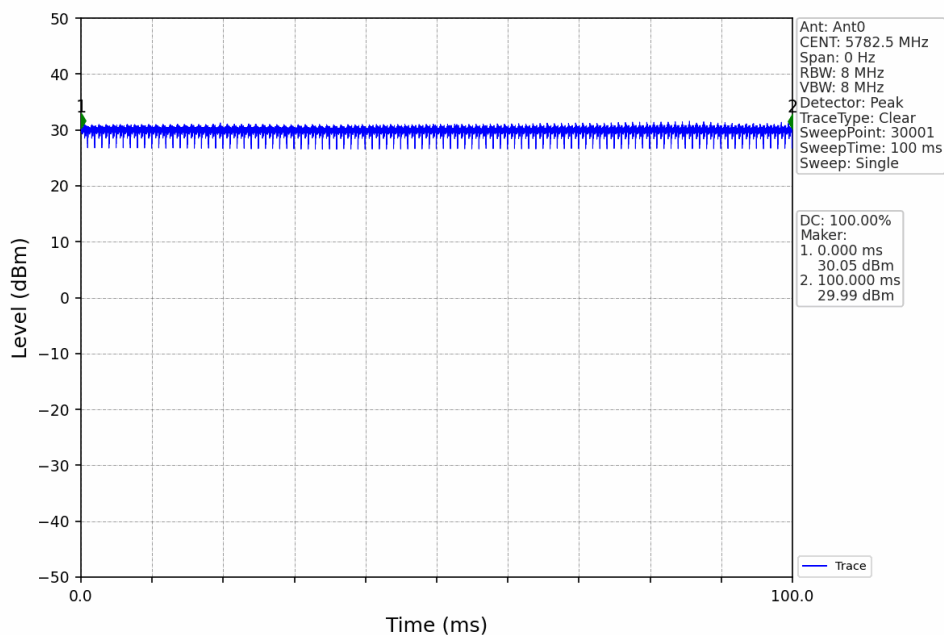
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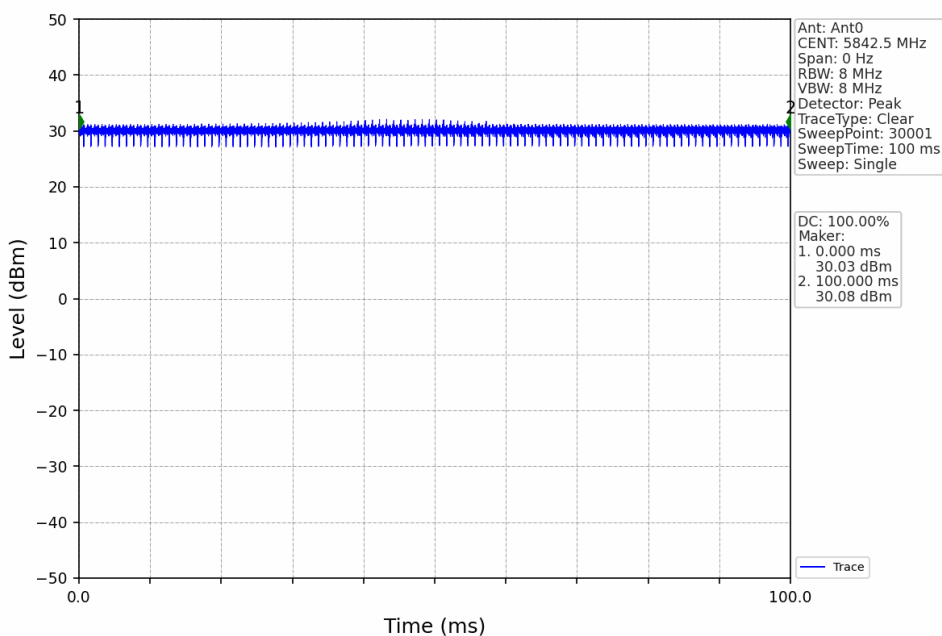
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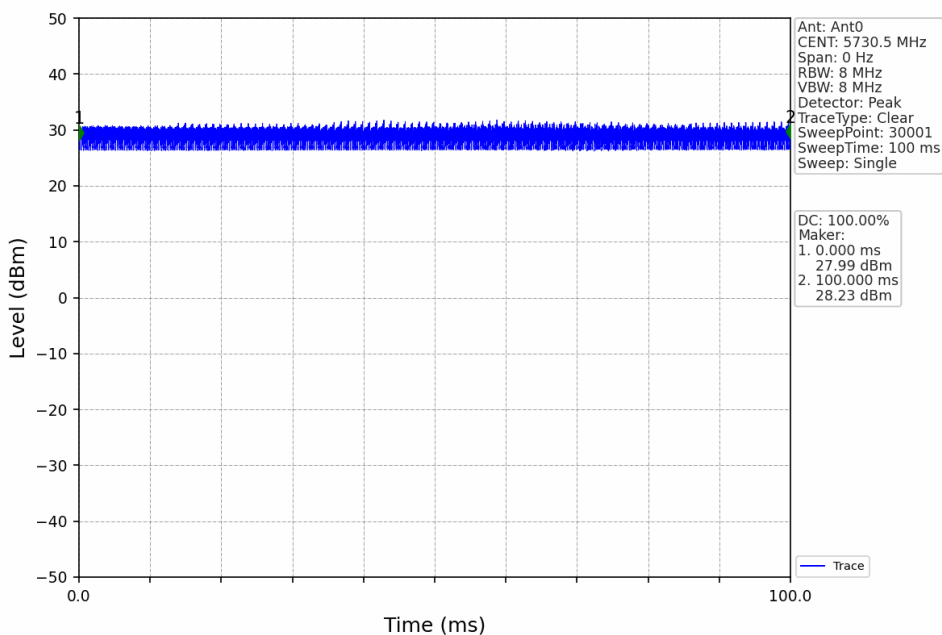
5M\_MCH\_5782.5MHz\_Ant0\_NTNV



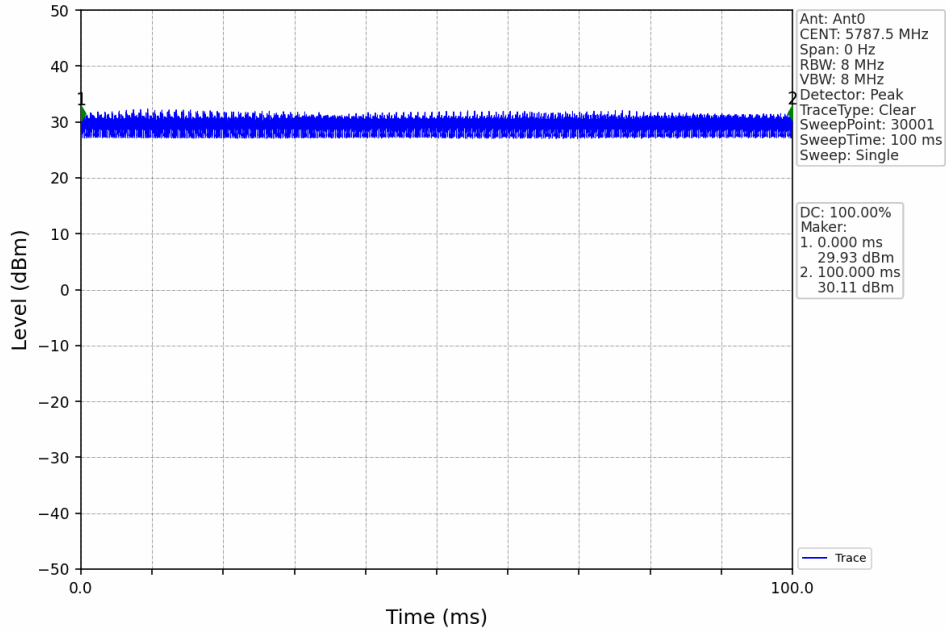
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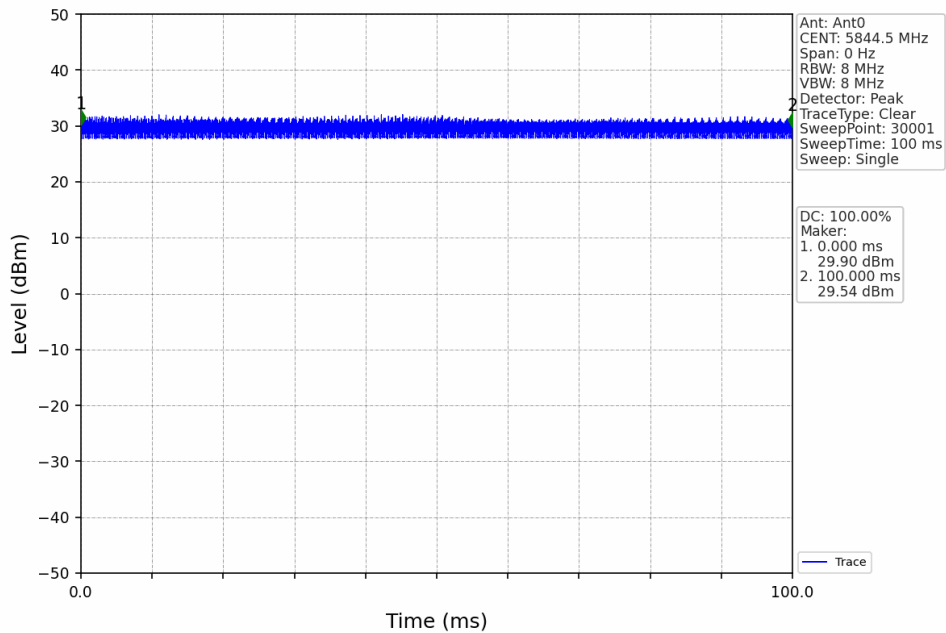
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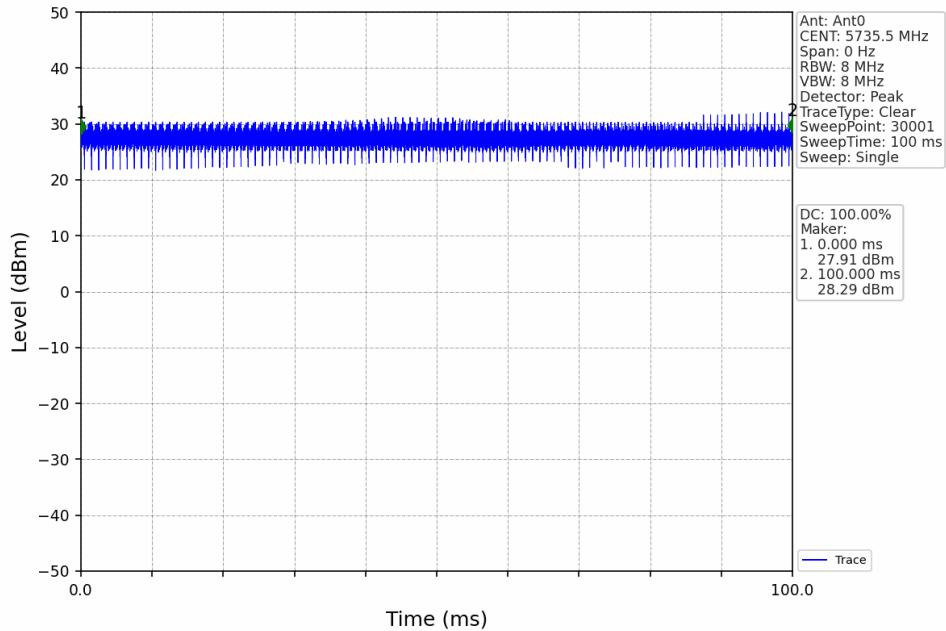
10M\_MCH\_5787.5MHz\_Ant0\_NTNV



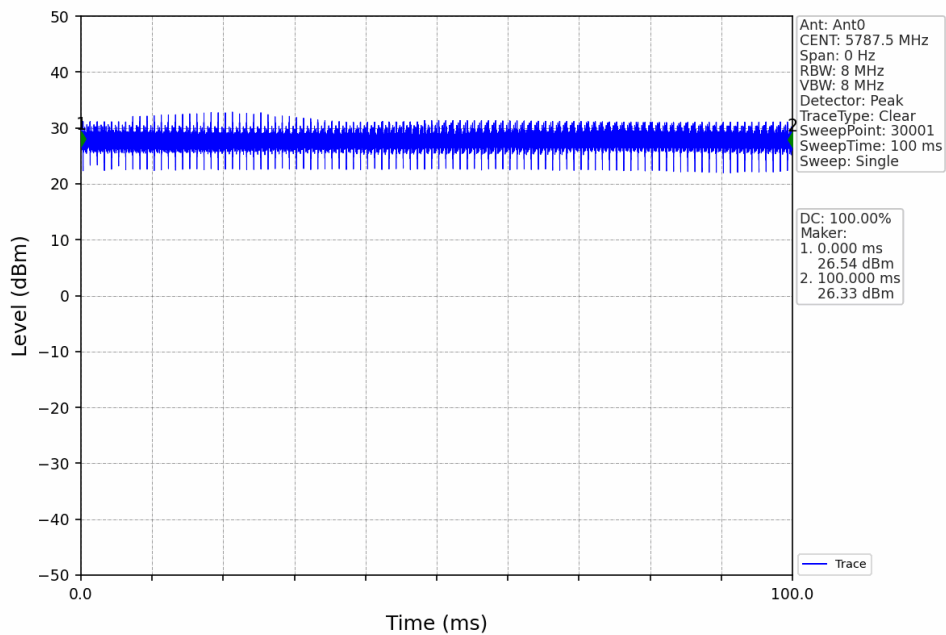
10M\_HCH\_5844.5MHz\_Ant0\_NTNV



20M\_LCH\_5735.5MHz\_Ant0\_NTNV



20M\_MCH\_5787.5MHz\_Ant0\_NTNV



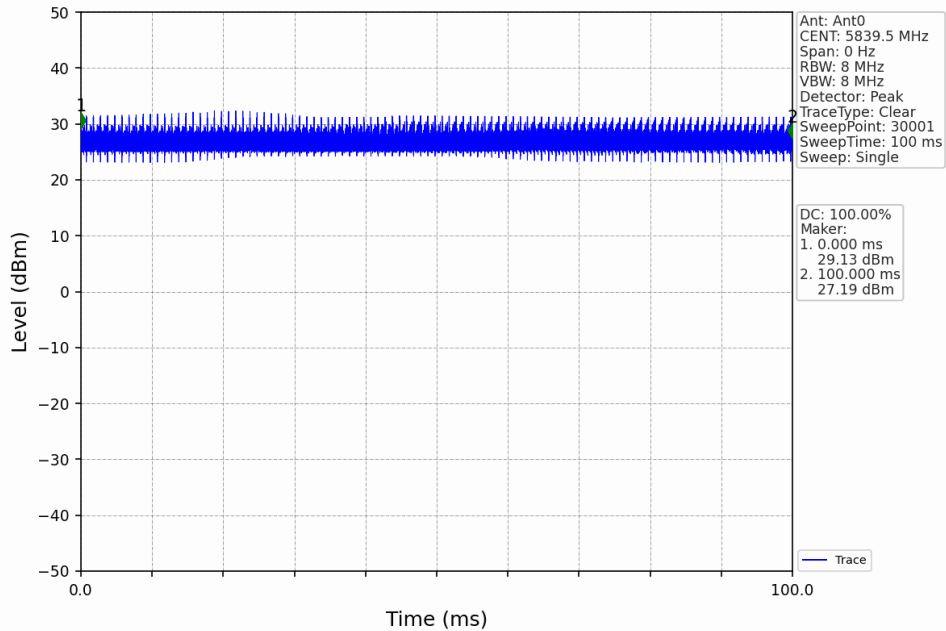
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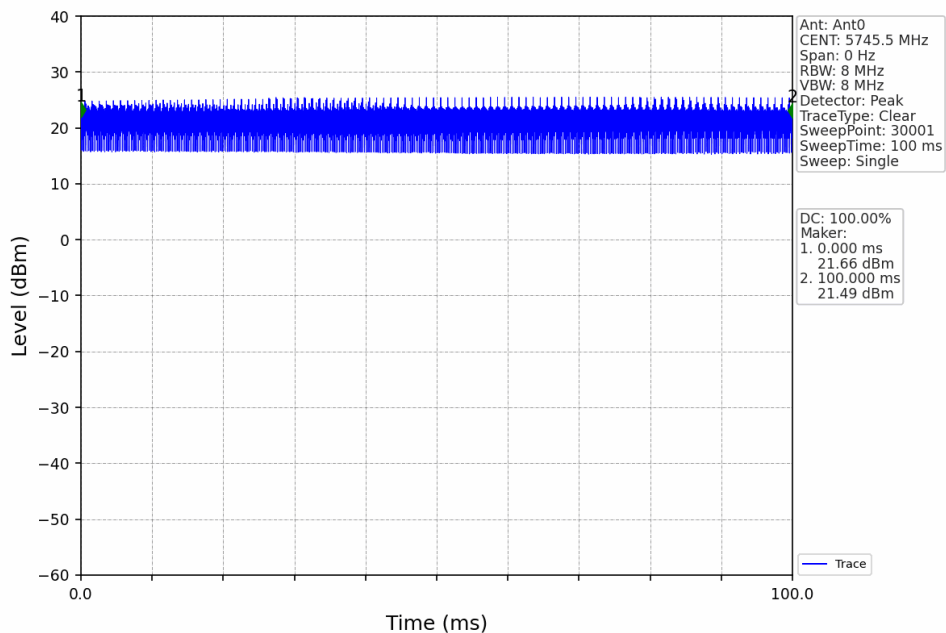
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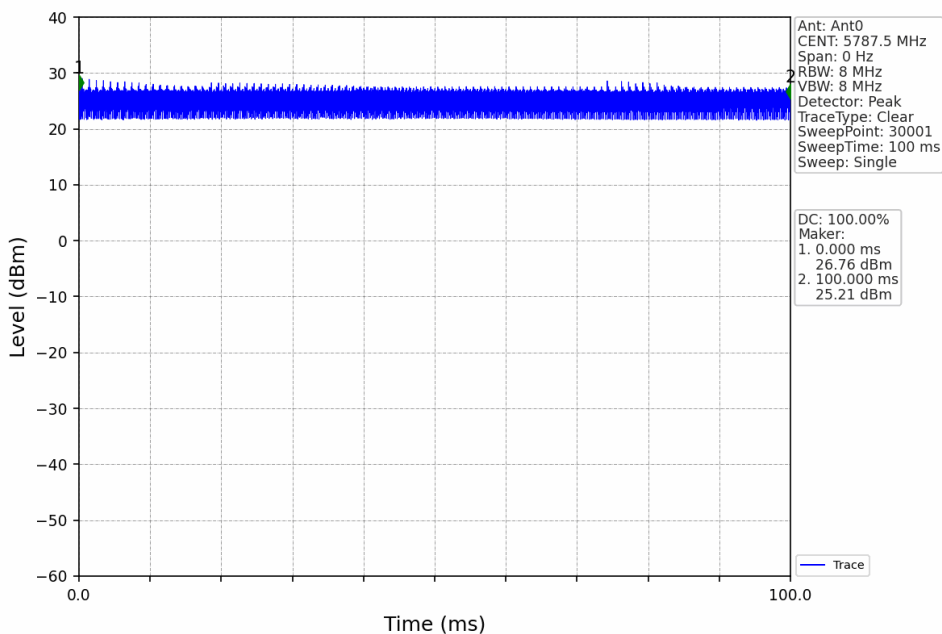
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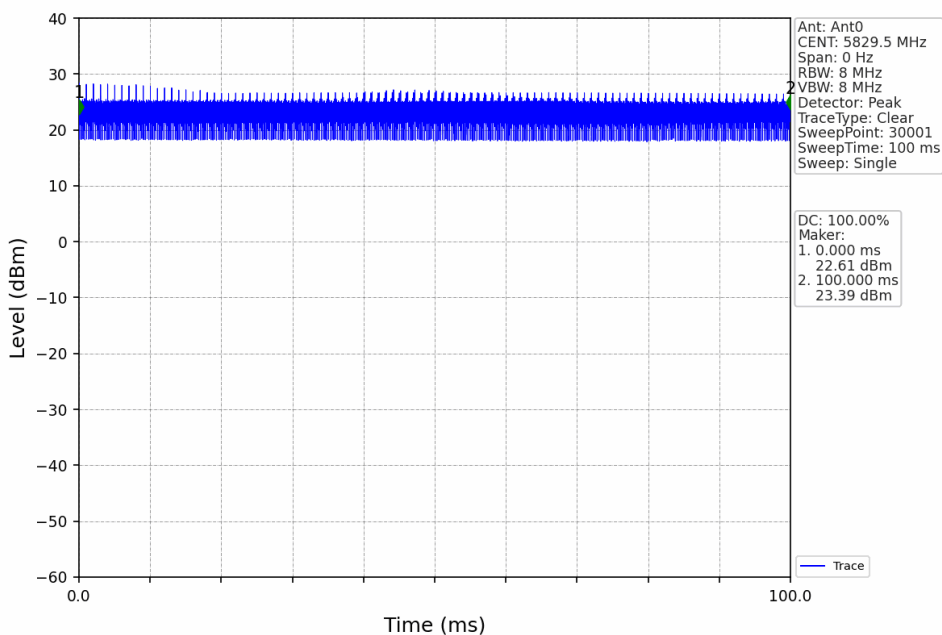
40M\_LCH\_5745.5MHz\_Ant0\_NTNV



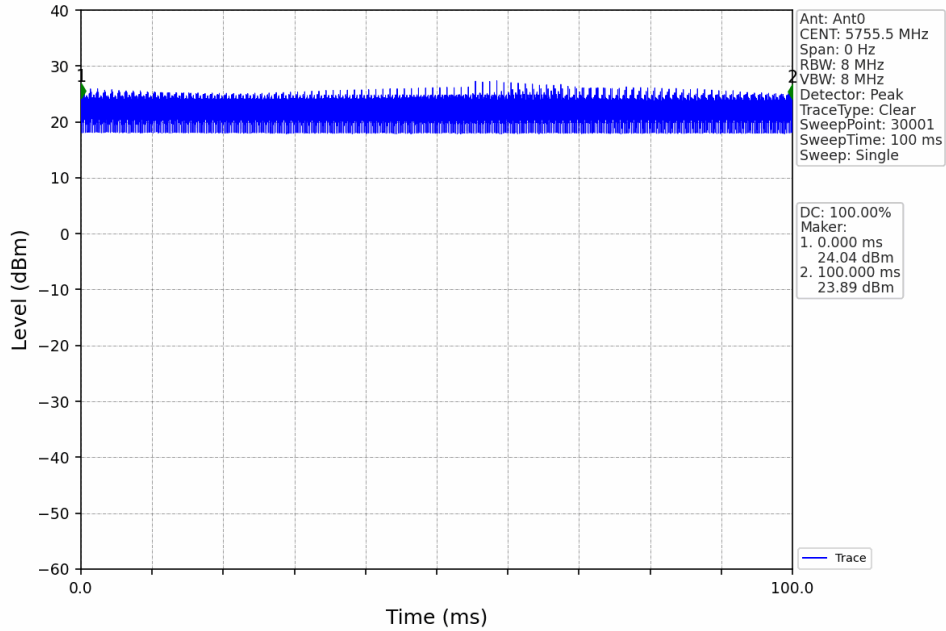
40M\_MCH\_5787.5MHz\_Ant0\_NTNV



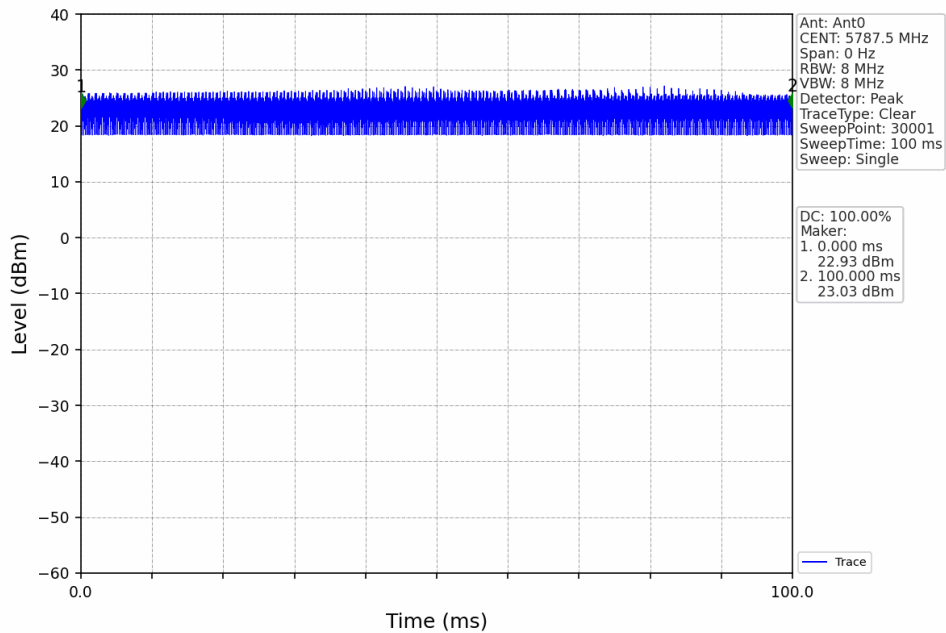
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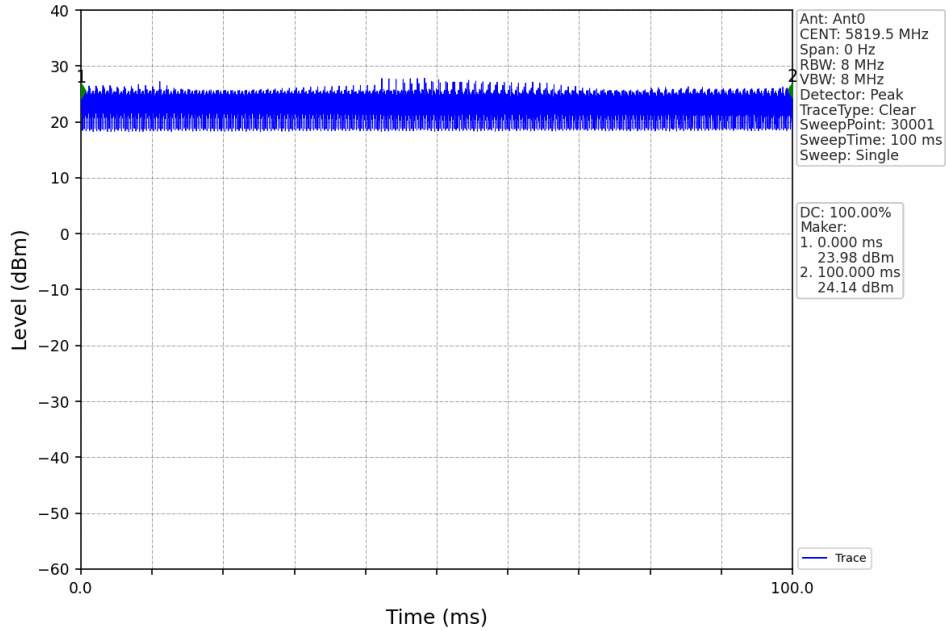
60M\_LCH\_5755.5MHz\_Ant0\_NTNV



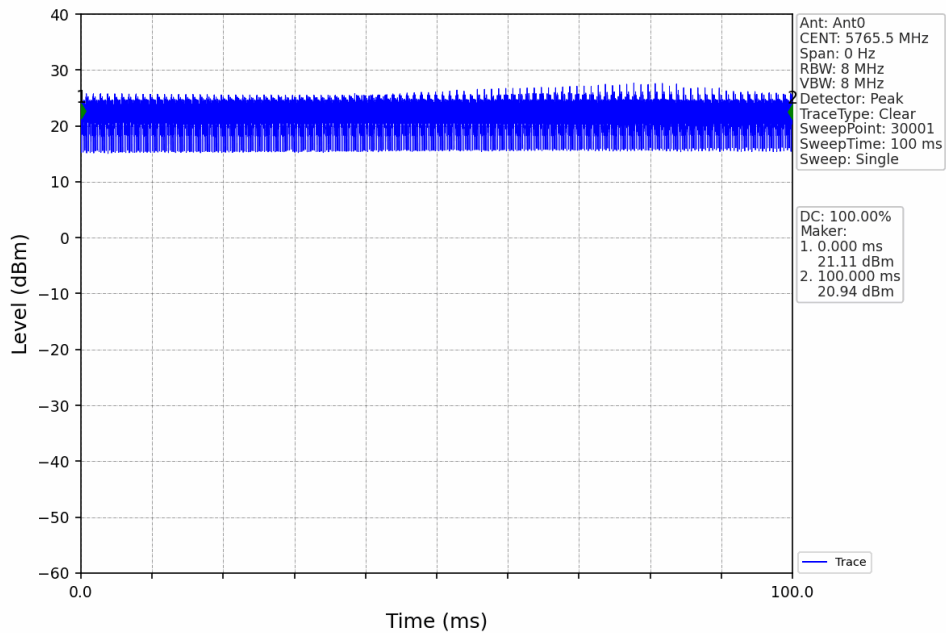
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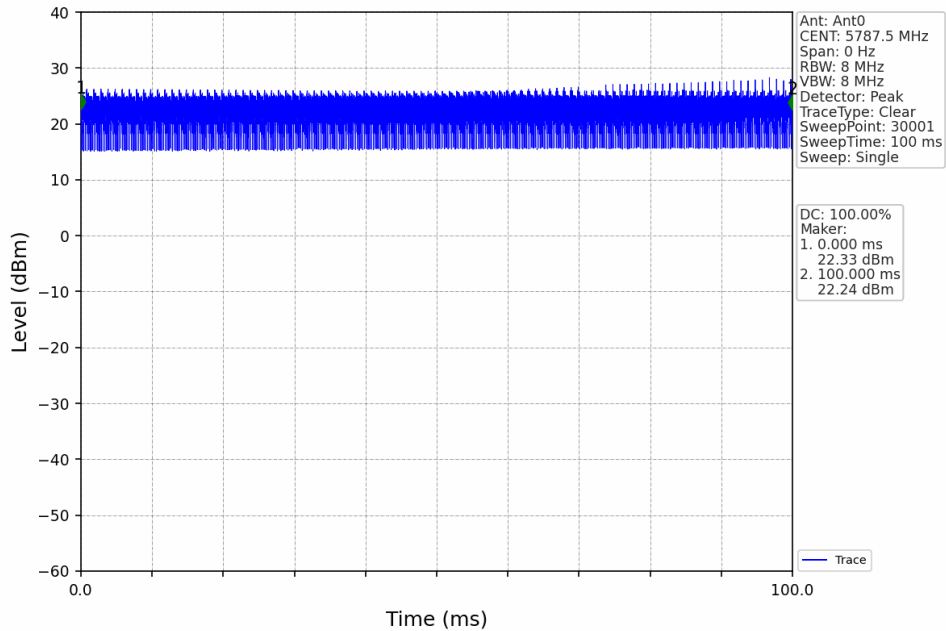
60M\_HCH\_5819.5MHz\_Ant0\_NTNV



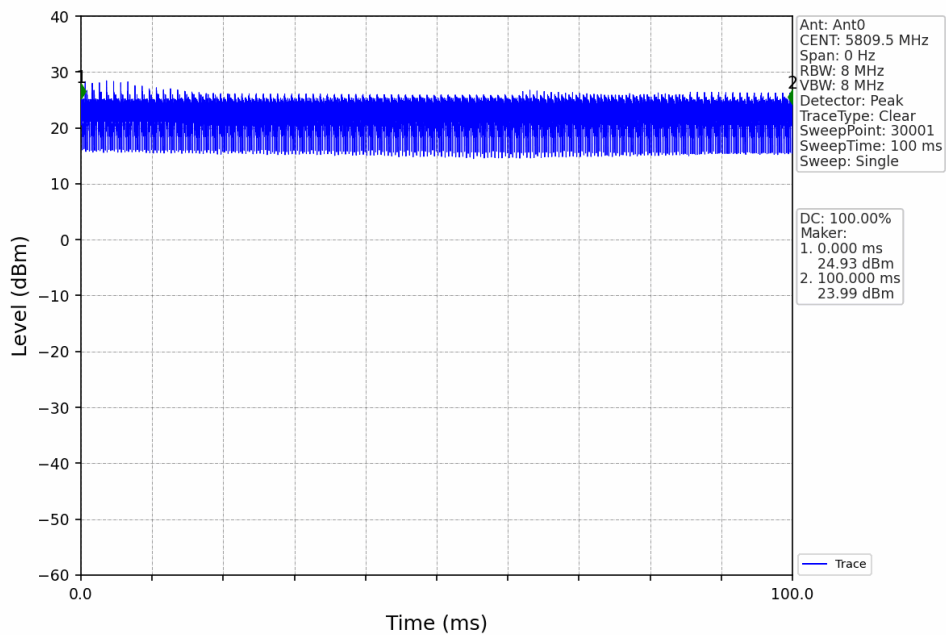
80M\_LCH\_5765.5MHz\_Ant0\_NTNV



80M\_MCH\_5787.5MHz\_Ant0\_NTNV



80M\_HCH\_5809.5MHz\_Ant0\_NTNV



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

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## 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	1.542	Pass
		5786.5	0	1.642	Pass
		5846.12	0	1.333	Pass
3M	SISO	5727.5	0	2.967	Pass
		5784.5	0	3.102	Pass
		5847.2	0	3.037	Pass
5M	SISO	5732.5	0	5.807	Pass
		5782.5	0	6.070	Pass
		5842.5	0	5.961	Pass
10M	SISO	5730.5	0	10.306	Pass
		5787.5	0	11.162	Pass
		5844.5	0	12.122	Pass
20M	SISO	5735.5	0	23.372	Pass
		5787.5	0	22.137	Pass
		5839.5	0	20.590	Pass
40M	SISO	5745.5	0	57.606	Pass
		5787.5	0	57.742	Pass
		5829.5	0	56.114	Pass
60M	SISO	5755.5	0	86.814	Pass
		5787.5	0	82.077	Pass
		5819.5	0	83.225	Pass
80M	SISO	5765.5	0	121.238	Pass
		5787.5	0	119.756	Pass
		5809.5	0	119.602	Pass