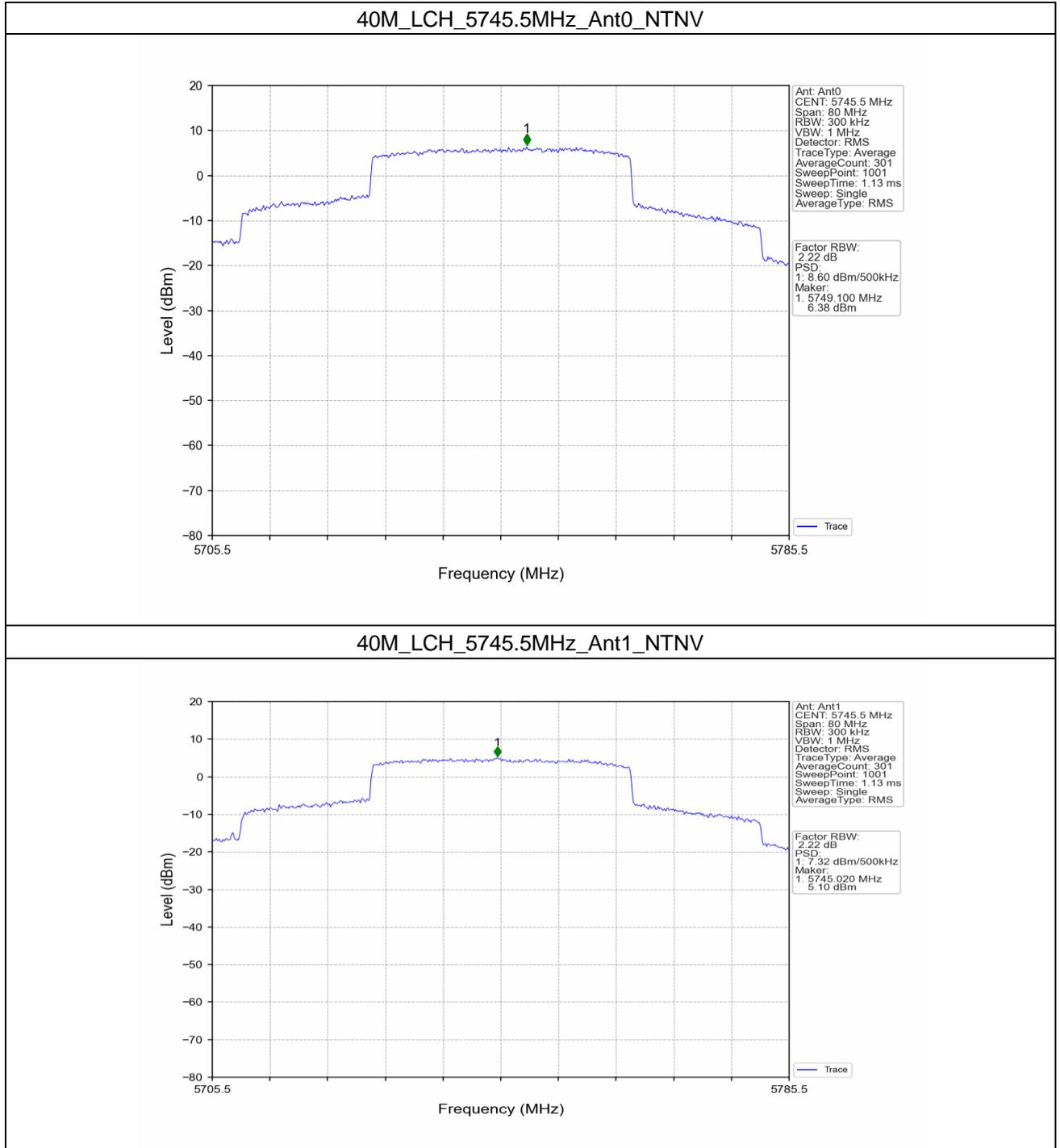
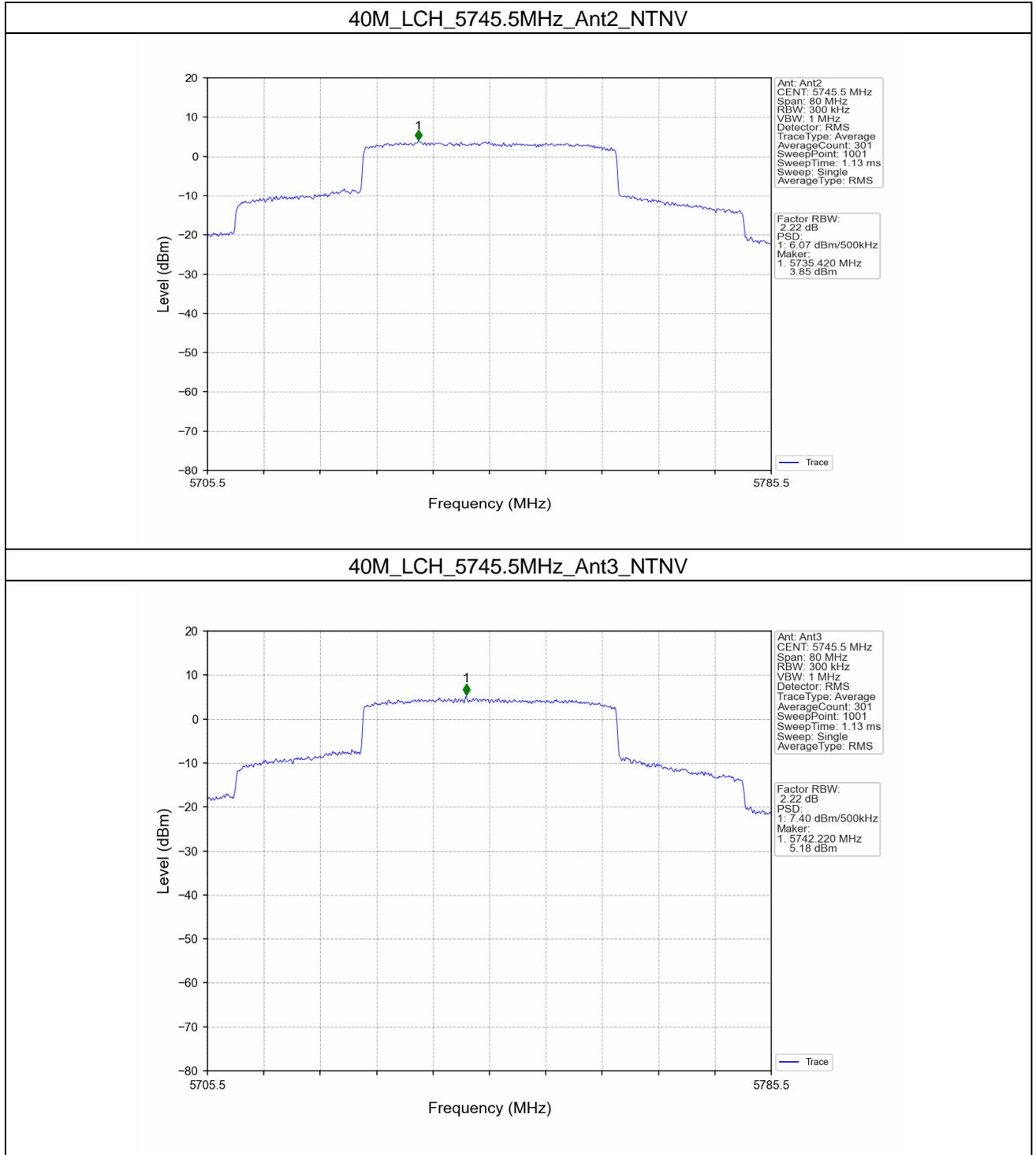
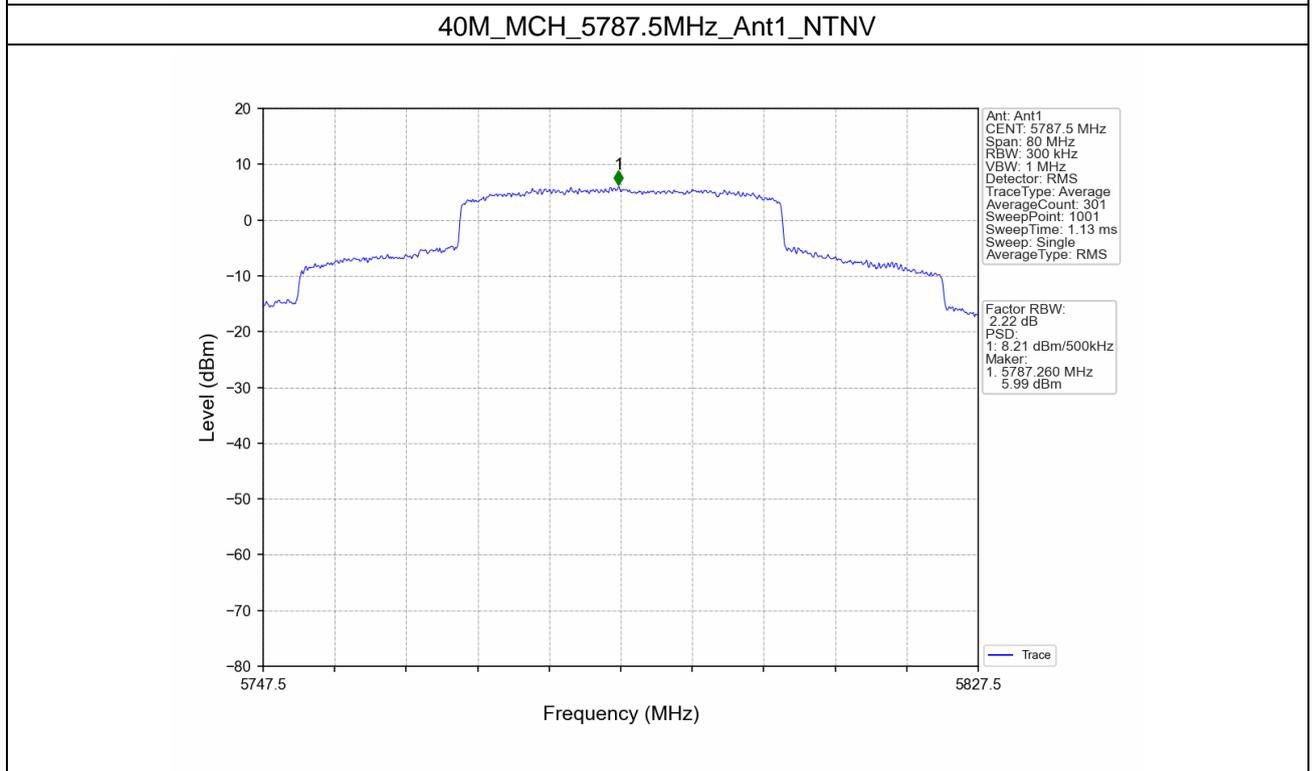
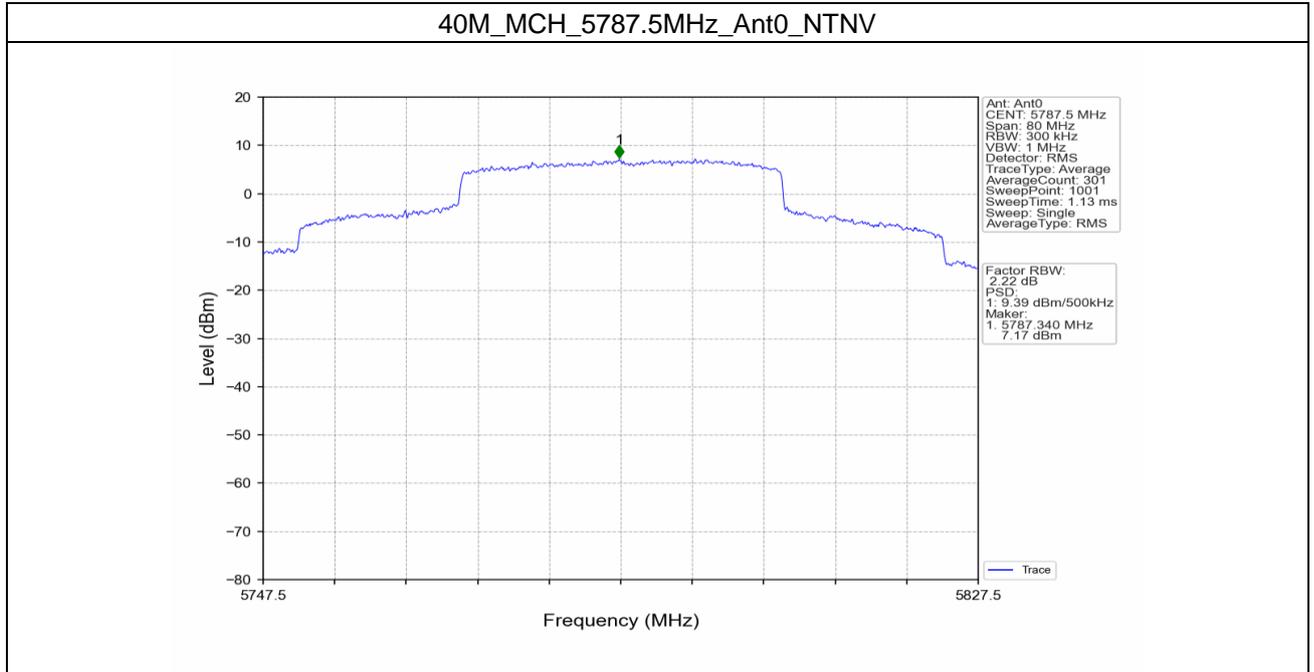


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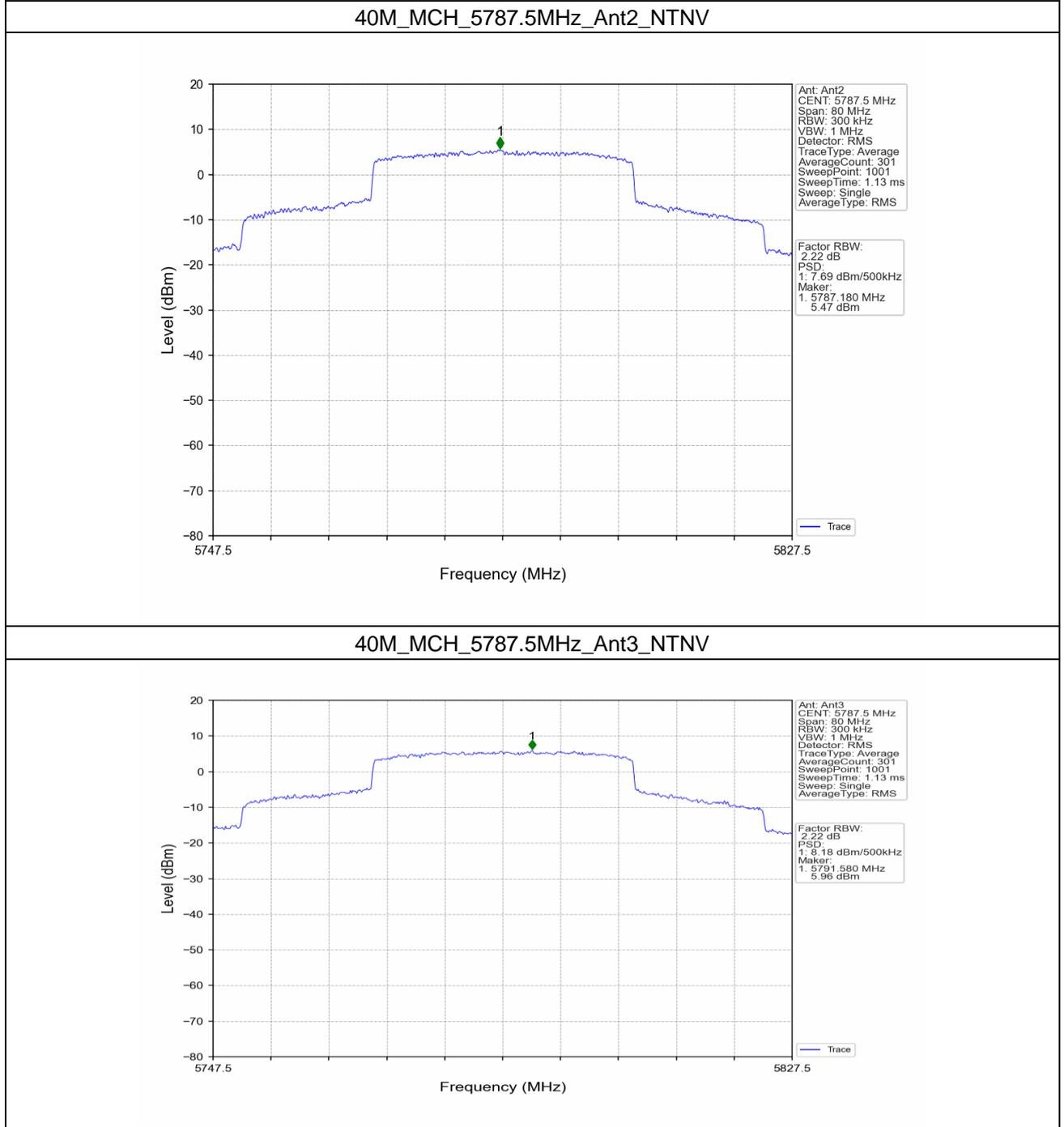


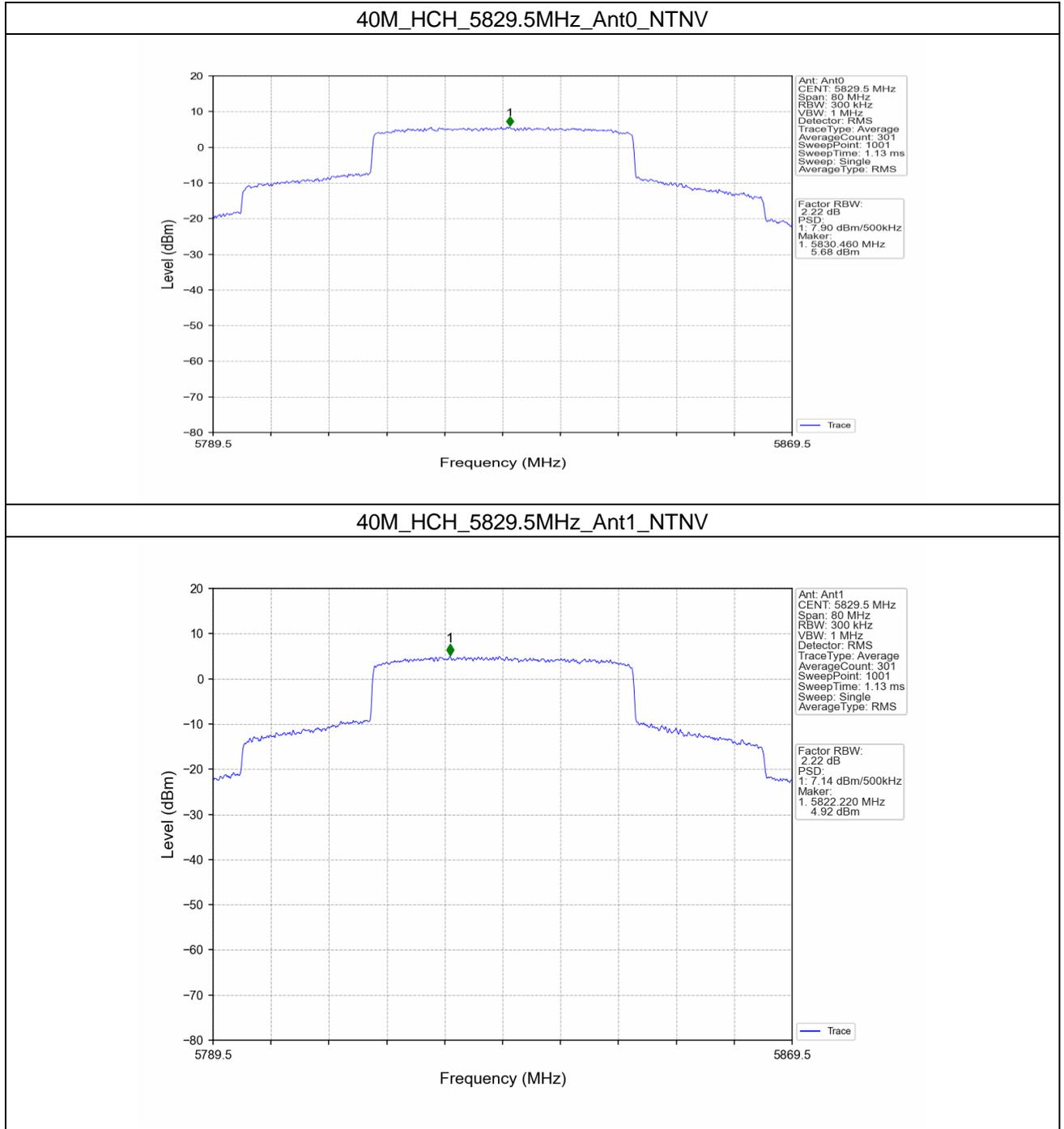


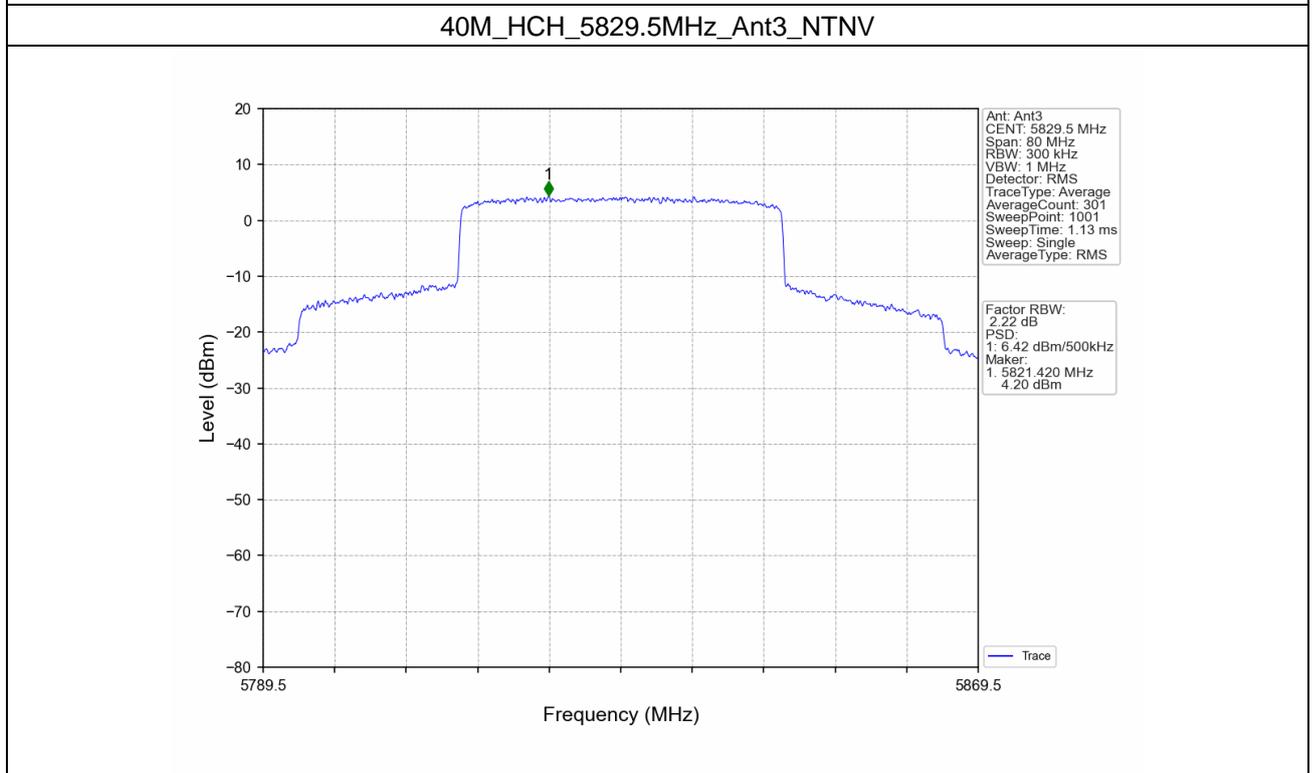
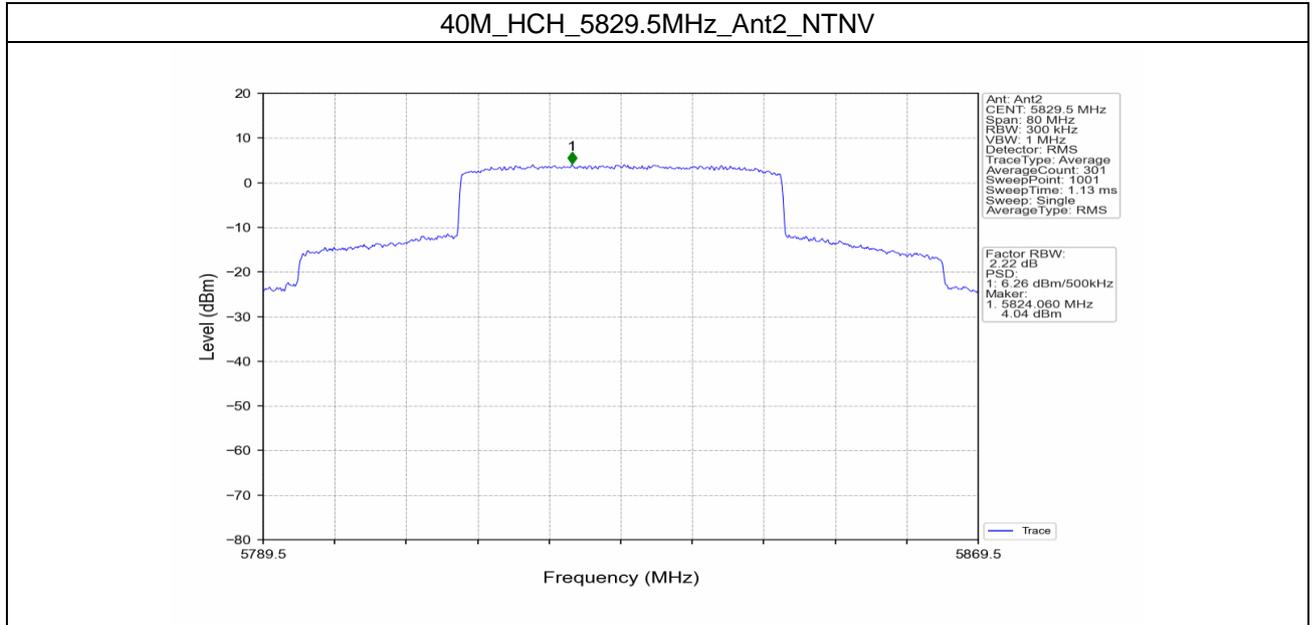


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## 5. Frequency Stability

### 5.1 Ant0

#### 5.1.1 Test Result

Ant0							
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict
1.4M	SISO	5728.5	20	12.54	5728.499	5725 to 5850	Pass
				14.76	5728.496	5725 to 5850	Pass
				16.97	5728.499	5725 to 5850	Pass
			-10	14.76	5728.497	5725 to 5850	Pass
			-5	14.76	5728.499	5725 to 5850	Pass
			0	14.76	5728.499	5725 to 5850	Pass
			5	14.76	5728.497	5725 to 5850	Pass
			10	14.76	5728.499	5725 to 5850	Pass
			20	14.76	5728.497	5725 to 5850	Pass
			30	14.76	5728.496	5725 to 5850	Pass
		40	14.76	5728.494	5725 to 5850	Pass	
		5786.5	20	12.54	5786.490	5725 to 5850	Pass
				14.76	5786.490	5725 to 5850	Pass
				16.97	5786.487	5725 to 5850	Pass
			-10	14.76	5786.488	5725 to 5850	Pass
			-5	14.76	5786.487	5725 to 5850	Pass
			0	14.76	5786.490	5725 to 5850	Pass
			5	14.76	5786.493	5725 to 5850	Pass
			10	14.76	5786.487	5725 to 5850	Pass
			20	14.76	5786.493	5725 to 5850	Pass
			30	14.76	5786.488	5725 to 5850	Pass
		40	14.76	5786.492	5725 to 5850	Pass	
		5846.12	20	12.54	5846.109	5725 to 5850	Pass
				14.76	5846.110	5725 to 5850	Pass
				16.97	5846.115	5725 to 5850	Pass
			-10	14.76	5846.110	5725 to 5850	Pass
			-5	14.76	5846.109	5725 to 5850	Pass
			0	14.76	5846.110	5725 to 5850	Pass
			5	14.76	5846.109	5725 to 5850	Pass



			10	14.76	5846.114	5725 to 5850	Pass		
			20	14.76	5846.112	5725 to 5850	Pass		
			30	14.76	5846.109	5725 to 5850	Pass		
			40	14.76	5846.115	5725 to 5850	Pass		
3M	SISO	5727.5	20	12.54	5727.506	5725 to 5850	Pass		
				14.76	5727.503	5725 to 5850	Pass		
				16.97	5727.506	5725 to 5850	Pass		
			-10	14.76	5727.500	5725 to 5850	Pass		
			-5	14.76	5727.509	5725 to 5850	Pass		
			0	14.76	5727.503	5725 to 5850	Pass		
			5	14.76	5727.509	5725 to 5850	Pass		
			10	14.76	5727.503	5725 to 5850	Pass		
			20	14.76	5727.512	5725 to 5850	Pass		
			30	14.76	5727.512	5725 to 5850	Pass		
			40	14.76	5727.506	5725 to 5850	Pass		
			5784.5	20	12.54	5784.506	5725 to 5850	Pass	
		14.76			5784.503	5725 to 5850	Pass		
		16.97			5784.509	5725 to 5850	Pass		
		-10		14.76	5784.506	5725 to 5850	Pass		
		-5		14.76	5784.503	5725 to 5850	Pass		
		0		14.76	5784.500	5725 to 5850	Pass		
		5		14.76	5784.506	5725 to 5850	Pass		
		10		14.76	5784.506	5725 to 5850	Pass		
		20		14.76	5784.509	5725 to 5850	Pass		
		30		14.76	5784.509	5725 to 5850	Pass		
		40		14.76	5784.509	5725 to 5850	Pass		
		5847.2		20	12.54	5847.206	5725 to 5850	Pass	
			14.76		5847.203	5725 to 5850	Pass		
			16.97		5847.209	5725 to 5850	Pass		
			-10	14.76	5847.206	5725 to 5850	Pass		
			-5	14.76	5847.203	5725 to 5850	Pass		
			0	14.76	5847.203	5725 to 5850	Pass		
			5	14.76	5847.209	5725 to 5850	Pass		
			10	14.76	5847.203	5725 to 5850	Pass		
			20	14.76	5847.209	5725 to 5850	Pass		
			30	14.76	5847.206	5725 to 5850	Pass		
			40	14.76	5847.203	5725 to 5850	Pass		
			5M	SISO	5732.5	20	12.54	5732.505	5725 to 5850
		14.76					5732.510	5725 to 5850	Pass



		5782.5		16.97	5732.505	5725 to 5850	Pass
			-10	14.76	5732.505	5725 to 5850	Pass
			-5	14.76	5732.500	5725 to 5850	Pass
			0	14.76	5732.500	5725 to 5850	Pass
			5	14.76	5732.505	5725 to 5850	Pass
			10	14.76	5732.510	5725 to 5850	Pass
			20	14.76	5732.505	5725 to 5850	Pass
			30	14.76	5732.495	5725 to 5850	Pass
			40	14.76	5732.515	5725 to 5850	Pass
			20	12.54	5782.510	5725 to 5850	Pass
			14.76	5782.505	5725 to 5850	Pass	
			16.97	5782.510	5725 to 5850	Pass	
		-10	14.76	5782.515	5725 to 5850	Pass	
		-5	14.76	5782.505	5725 to 5850	Pass	
		0	14.76	5782.500	5725 to 5850	Pass	
		5	14.76	5782.510	5725 to 5850	Pass	
		10	14.76	5782.505	5725 to 5850	Pass	
		20	14.76	5782.520	5725 to 5850	Pass	
		30	14.76	5782.510	5725 to 5850	Pass	
		40	14.76	5782.510	5725 to 5850	Pass	
		5842.5	20	12.54	5842.505	5725 to 5850	Pass
				14.76	5842.500	5725 to 5850	Pass
				16.97	5842.500	5725 to 5850	Pass
		-10	14.76	5842.495	5725 to 5850	Pass	
		-5	14.76	5842.515	5725 to 5850	Pass	
		0	14.76	5842.500	5725 to 5850	Pass	
		5	14.76	5842.505	5725 to 5850	Pass	
		10	14.76	5842.500	5725 to 5850	Pass	
		20	14.76	5842.505	5725 to 5850	Pass	
		30	14.76	5842.510	5725 to 5850	Pass	
		40	14.76	5842.500	5725 to 5850	Pass	
		10M	SISO	5730.5	20	12.54	5730.520
				14.76	5730.490	5725 to 5850	Pass
				16.97	5730.480	5725 to 5850	Pass
			-10	14.76	5730.520	5725 to 5850	Pass
			-5	14.76	5730.510	5725 to 5850	Pass
			0	14.76	5730.510	5725 to 5850	Pass
			5	14.76	5730.510	5725 to 5850	Pass
			10	14.76	5730.500	5725 to 5850	Pass



		5787.5	20	14.76	5730.510	5725 to 5850	Pass
			30	14.76	5730.530	5725 to 5850	Pass
			40	14.76	5730.500	5725 to 5850	Pass
			20	12.54	5787.510	5725 to 5850	Pass
				14.76	5787.510	5725 to 5850	Pass
				16.97	5787.500	5725 to 5850	Pass
			-10	14.76	5787.530	5725 to 5850	Pass
			-5	14.76	5787.510	5725 to 5850	Pass
			0	14.76	5787.500	5725 to 5850	Pass
		5	14.76	5787.500	5725 to 5850	Pass	
		10	14.76	5787.510	5725 to 5850	Pass	
		20	14.76	5787.510	5725 to 5850	Pass	
		30	14.76	5787.490	5725 to 5850	Pass	
		40	14.76	5787.480	5725 to 5850	Pass	
		5844.5	20	12.54	5844.520	5725 to 5850	Pass
				14.76	5844.500	5725 to 5850	Pass
				16.97	5844.490	5725 to 5850	Pass
			-10	14.76	5844.520	5725 to 5850	Pass
			-5	14.76	5844.500	5725 to 5850	Pass
			0	14.76	5844.520	5725 to 5850	Pass
			5	14.76	5844.510	5725 to 5850	Pass
			10	14.76	5844.490	5725 to 5850	Pass
			20	14.76	5844.510	5725 to 5850	Pass
		30	14.76	5844.500	5725 to 5850	Pass	
40	14.76	5844.520	5725 to 5850	Pass			
20M	SISO	5735.5	20	12.54	5735.540	5725 to 5850	Pass
				14.76	5735.500	5725 to 5850	Pass
				16.97	5735.540	5725 to 5850	Pass
			-10	14.76	5735.520	5725 to 5850	Pass
			-5	14.76	5735.500	5725 to 5850	Pass
			0	14.76	5735.520	5725 to 5850	Pass
			5	14.76	5735.540	5725 to 5850	Pass
			10	14.76	5735.540	5725 to 5850	Pass
			20	14.76	5735.520	5725 to 5850	Pass
		30	14.76	5735.540	5725 to 5850	Pass	
		40	14.76	5735.500	5725 to 5850	Pass	
		5787.5	20	12.54	5787.520	5725 to 5850	Pass
				14.76	5787.540	5725 to 5850	Pass
				16.97	5787.520	5725 to 5850	Pass



			-10	14.76	5785.740	5725 to 5850	Pass
			-5	14.76	5787.560	5725 to 5850	Pass
			0	14.76	5787.540	5725 to 5850	Pass
			5	14.76	5787.540	5725 to 5850	Pass
			10	14.76	5787.540	5725 to 5850	Pass
			20	14.76	5787.520	5725 to 5850	Pass
			30	14.76	5787.520	5725 to 5850	Pass
			40	14.76	5787.520	5725 to 5850	Pass
		5839.5	20	12.54	5839.540	5725 to 5850	Pass
				14.76	5839.540	5725 to 5850	Pass
				16.97	5839.540	5725 to 5850	Pass
			-10	14.76	5839.540	5725 to 5850	Pass
			-5	14.76	5839.520	5725 to 5850	Pass
			0	14.76	5839.520	5725 to 5850	Pass
			5	14.76	5839.520	5725 to 5850	Pass
			10	14.76	5839.520	5725 to 5850	Pass
			20	14.76	5839.540	5725 to 5850	Pass
			30	14.76	5839.540	5725 to 5850	Pass
			40	14.76	5839.520	5725 to 5850	Pass
			40M	SISO	5745.5	20	12.54
14.76	5744.140	5725 to 5850					Pass
16.97	5742.940	5725 to 5850					Pass
-10	14.76	5744.300				5725 to 5850	Pass
-5	14.76	5743.620				5725 to 5850	Pass
0	14.76	5743.580				5725 to 5850	Pass
5	14.76	5745.580				5725 to 5850	Pass
10	14.76	5745.580				5725 to 5850	Pass
20	14.76	5743.060				5725 to 5850	Pass
30	14.76	5742.980			5725 to 5850	Pass	
40	14.76	5744.180			5725 to 5850	Pass	
5787.5	20	12.54			5785.540	5725 to 5850	Pass
		14.76			5786.260	5725 to 5850	Pass
		16.97			5785.060	5725 to 5850	Pass
	-10	14.76			5786.220	5725 to 5850	Pass
	-5	14.76			5785.020	5725 to 5850	Pass
	0	14.76			5785.500	5725 to 5850	Pass
	5	14.76			5785.020	5725 to 5850	Pass
	10	14.76	5784.940	5725 to 5850	Pass		
	20	14.76	5785.940	5725 to 5850	Pass		



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	5829.5	30	14.76	5786.140	5725 to 5850	Pass
		40	14.76	5785.940	5725 to 5850	Pass
		20	12.54	5829.580	5725 to 5850	Pass
			14.76	5829.620	5725 to 5850	Pass
			16.97	5829.580	5725 to 5850	Pass
		-10	14.76	5829.540	5725 to 5850	Pass
		-5	14.76	5829.540	5725 to 5850	Pass
		0	14.76	5829.580	5725 to 5850	Pass
		5	14.76	5829.540	5725 to 5850	Pass
		10	14.76	5829.580	5725 to 5850	Pass
		20	14.76	5829.540	5725 to 5850	Pass
		30	14.76	5829.580	5725 to 5850	Pass
		40	14.76	5829.580	5725 to 5850	Pass



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Shenzhen Branch Testing Center Laboratory

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**5.8G SDR SISO Mode: ANT4&ANT5**

**1. Maximum Conducted Output Power**

**1.1 Power**

**1.1.1 Test Result**

Mode	TX Type	Frequency (MHz)	Maximum Average Conducted Output Power (dBm)			Verdict
			ANT4	ANT5	Limit	
1.4M	SISO	5728.5	17.80	18.02	<=30	Pass
		5786.5	18.22	18.20	<=30	Pass
		5846.12	18.55	18.12	<=30	Pass
3M	SISO	5727.5	18.95	19.12	<=30	Pass
		5784.5	19.28	19.21	<=30	Pass
		5847.2	19.42	19.00	<=30	Pass
5M	SISO	5732.5	19.99	20.14	<=30	Pass
		5782.5	20.42	20.35	<=30	Pass
		5842.5	20.58	20.15	<=30	Pass
10M	SISO	5730.5	24.91	24.45	<=30	Pass
		5787.5	26.86	25.92	<=30	Pass
		5844.5	24.89	24.13	<=30	Pass
20M	SISO	5735.5	25.34	26.58	<=30	Pass
		5787.5	27.94	26.94	<=30	Pass
		5839.5	25.90	25.08	<=30	Pass
40M	SISO	5745.5	23.26	23.23	<=30	Pass
		5787.5	26.83	26.01	<=30	Pass
		5829.5	23.55	23.77	<=30	Pass



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## 2. Maximum Power Spectral Density

### 2.1 PSD-Band3

#### 2.1.1 Test Result

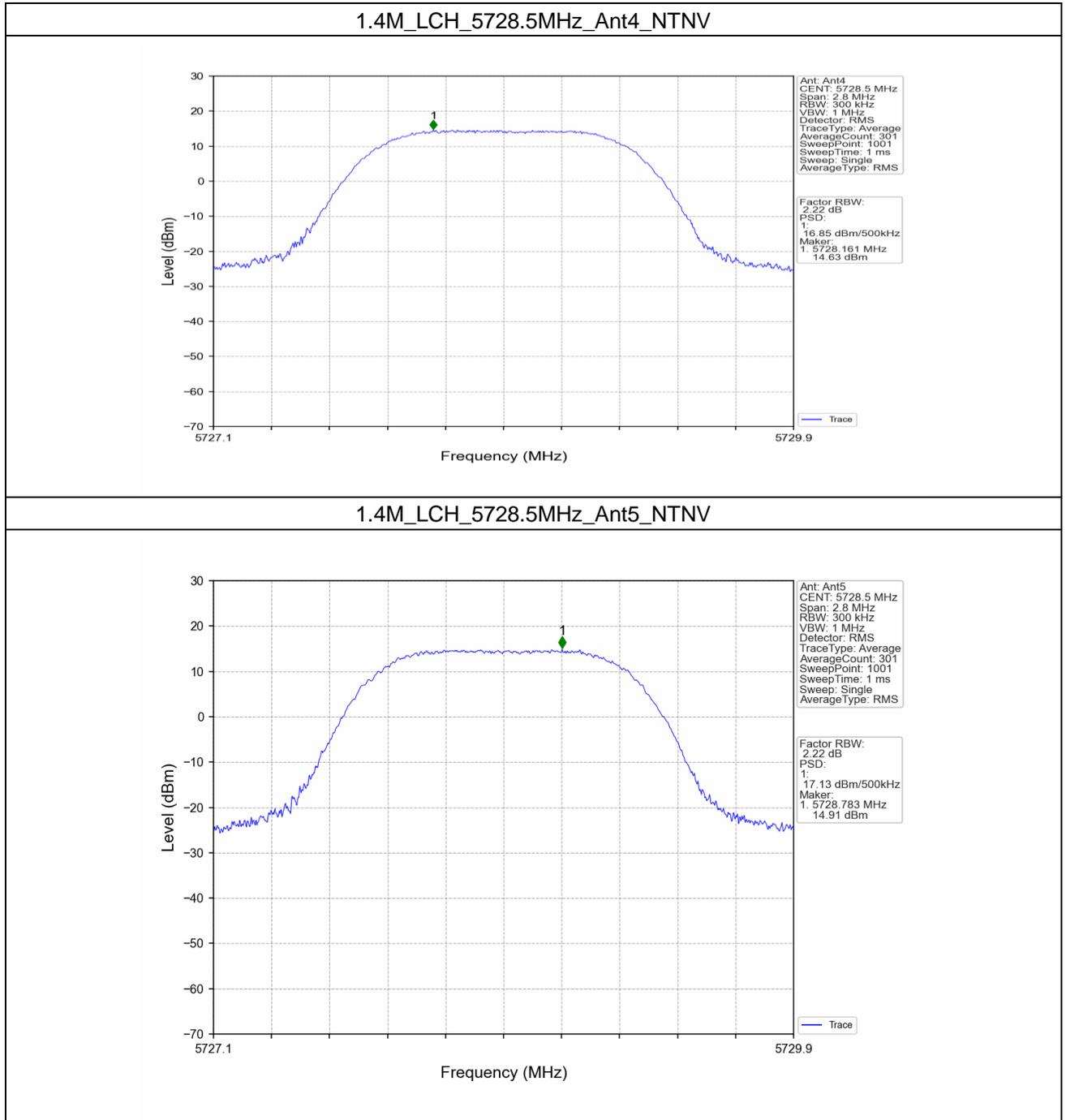
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Verdict
			ANT4	ANT5	Limit	
1.4M	SISO	5728.5	16.85	17.13	<=30	Pass
		5786.5	17.38	17.46	<=30	Pass
		5846.12	17.57	17.17	<=30	Pass
3M	SISO	5727.5	14.22	14.32	<=30	Pass
		5784.5	14.36	14.31	<=30	Pass
		5847.2	14.65	14.16	<=30	Pass
5M	SISO	5732.5	11.80	12.17	<=30	Pass
		5782.5	12.55	12.14	<=30	Pass
		5842.5	12.52	12.18	<=30	Pass
10M	SISO	5730.5	15.31	14.61	<=30	Pass
		5787.5	15.20	14.12	<=30	Pass
		5844.5	15.20	14.33	<=30	Pass
20M	SISO	5735.5	12.95	12.08	<=30	Pass
		5787.5	13.67	12.63	<=30	Pass
		5839.5	13.59	12.25	<=30	Pass
40M	SISO	5745.5	8.65	7.75	<=30	Pass
		5787.5	9.37	8.43	<=30	Pass
		5829.5	7.98	7.29	<=30	Pass



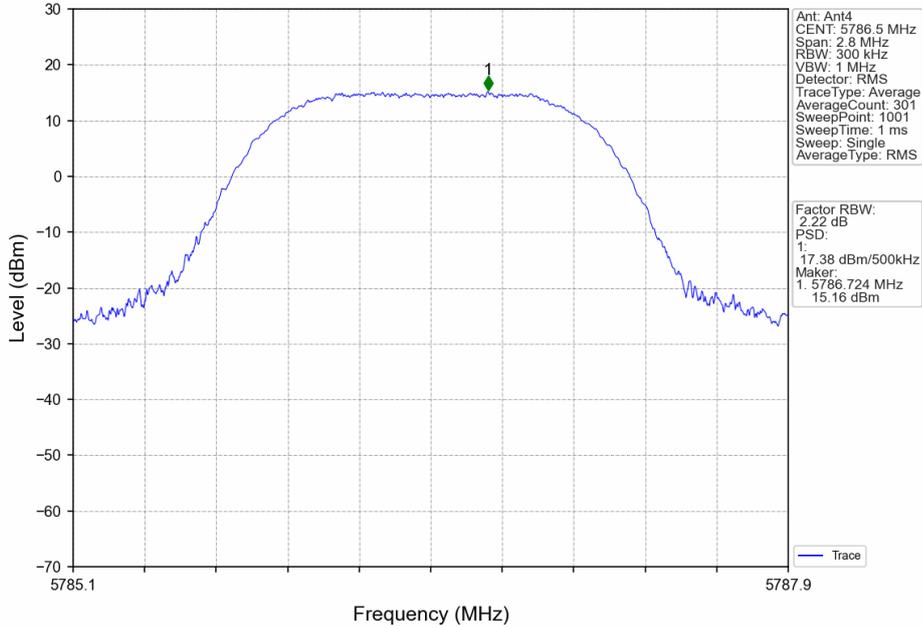
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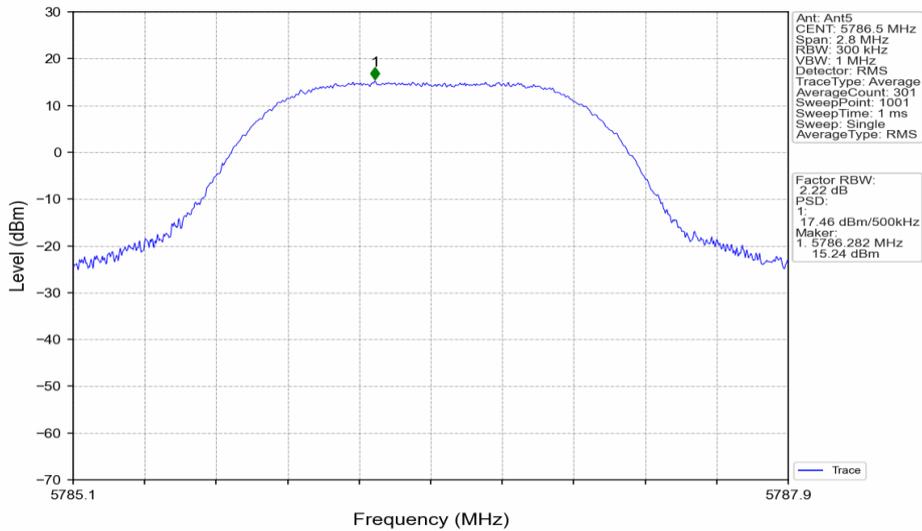
### 2.1.2 Test Graph

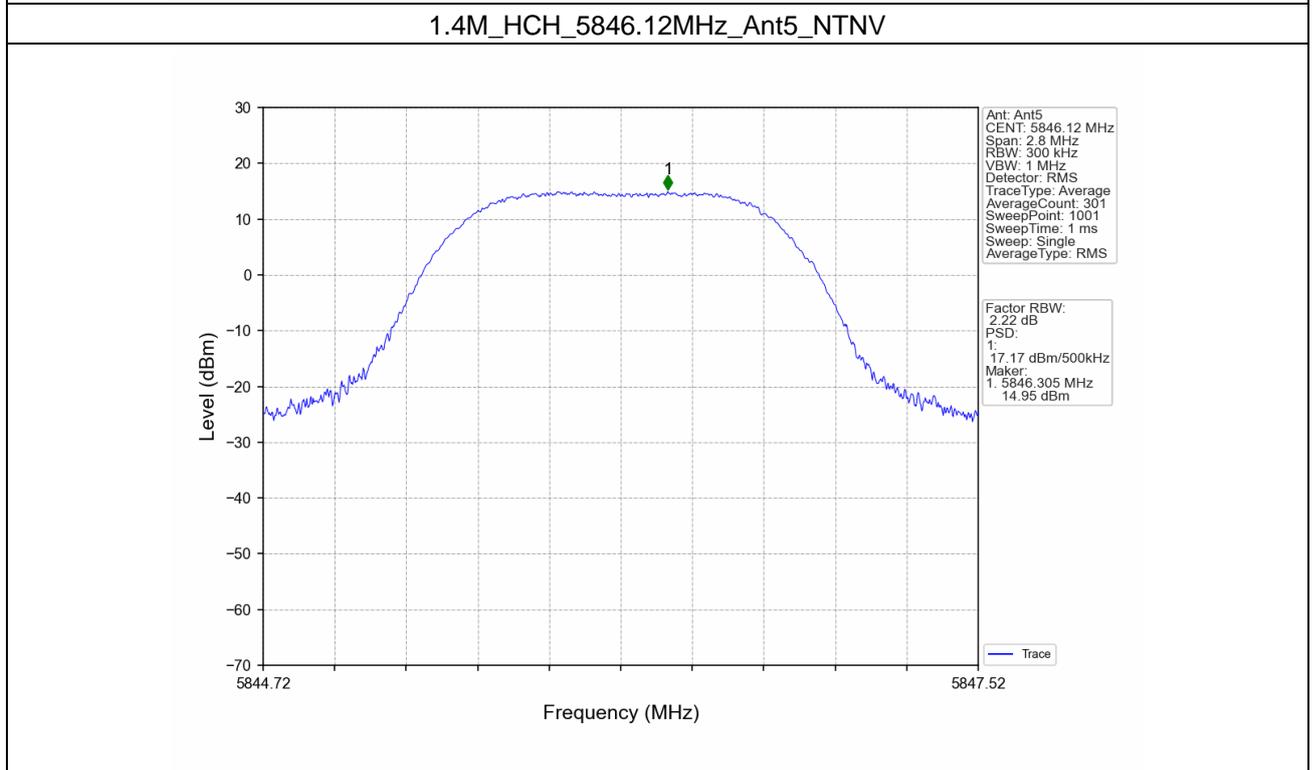
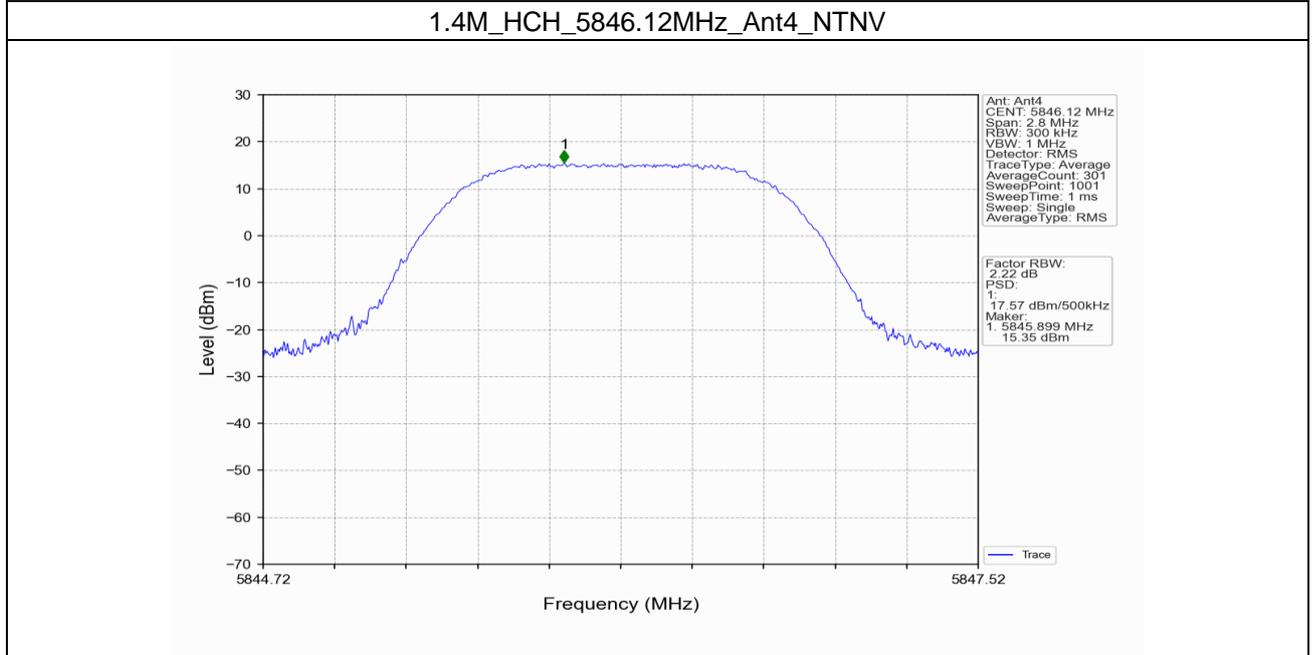


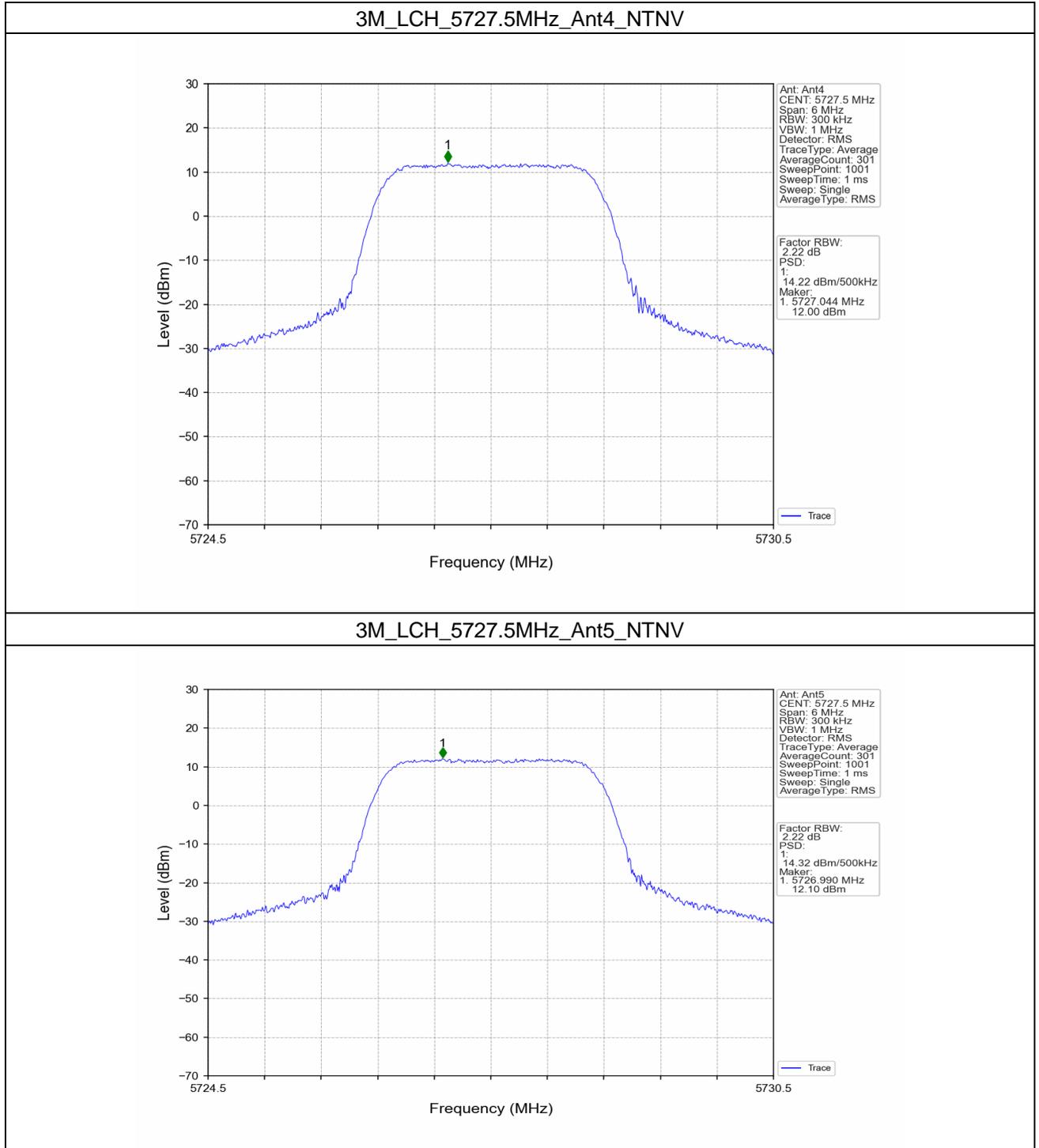
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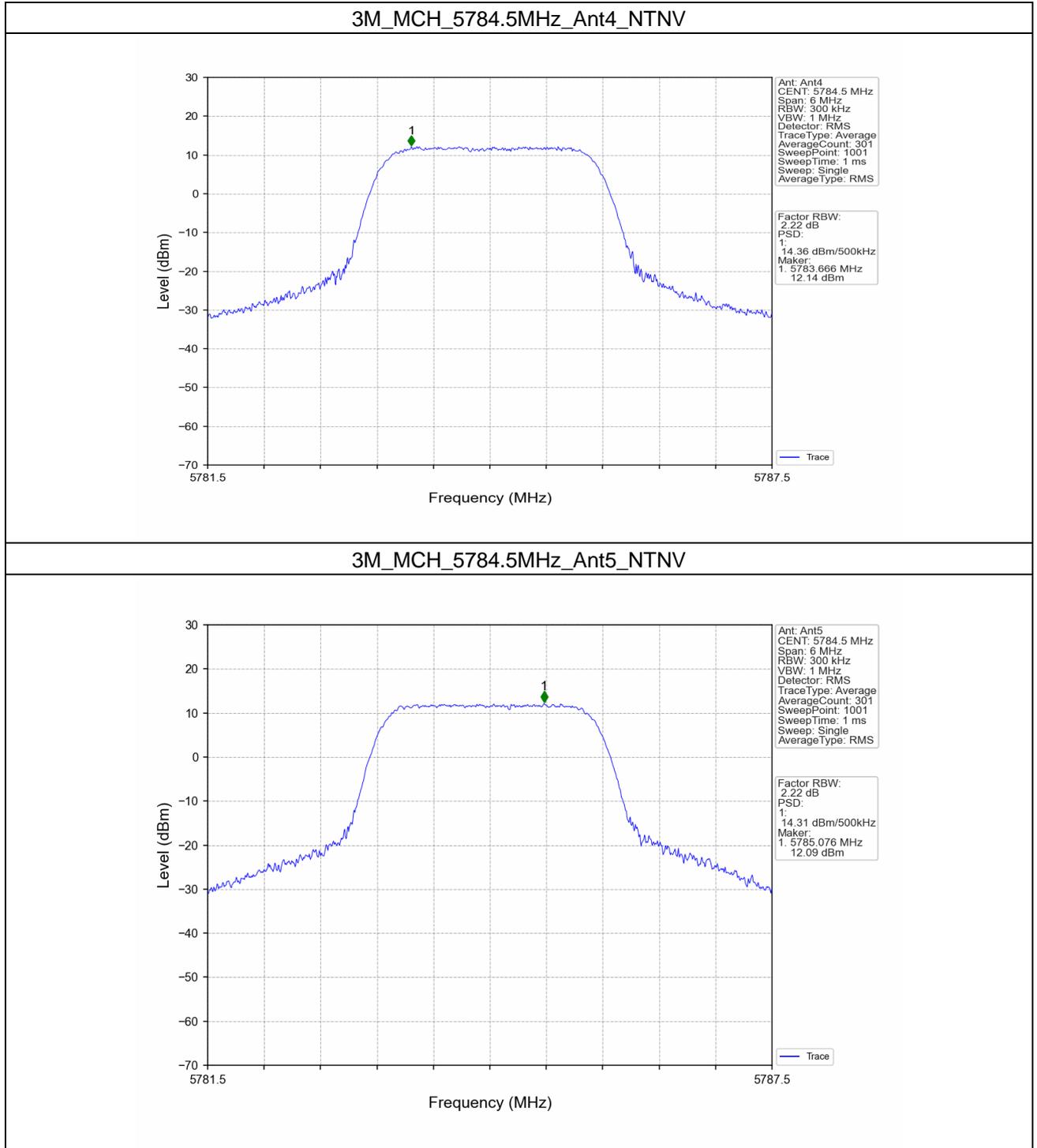


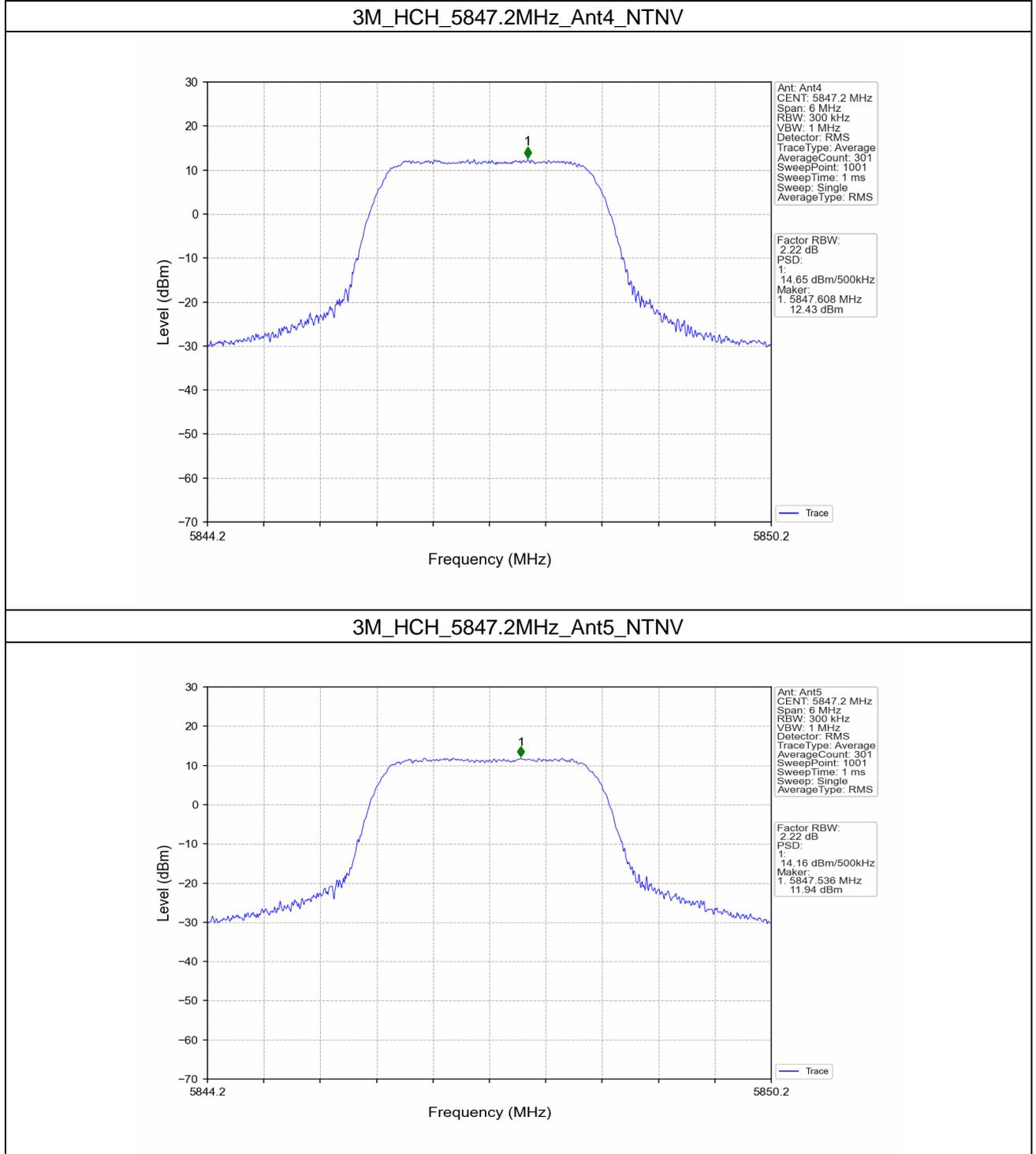
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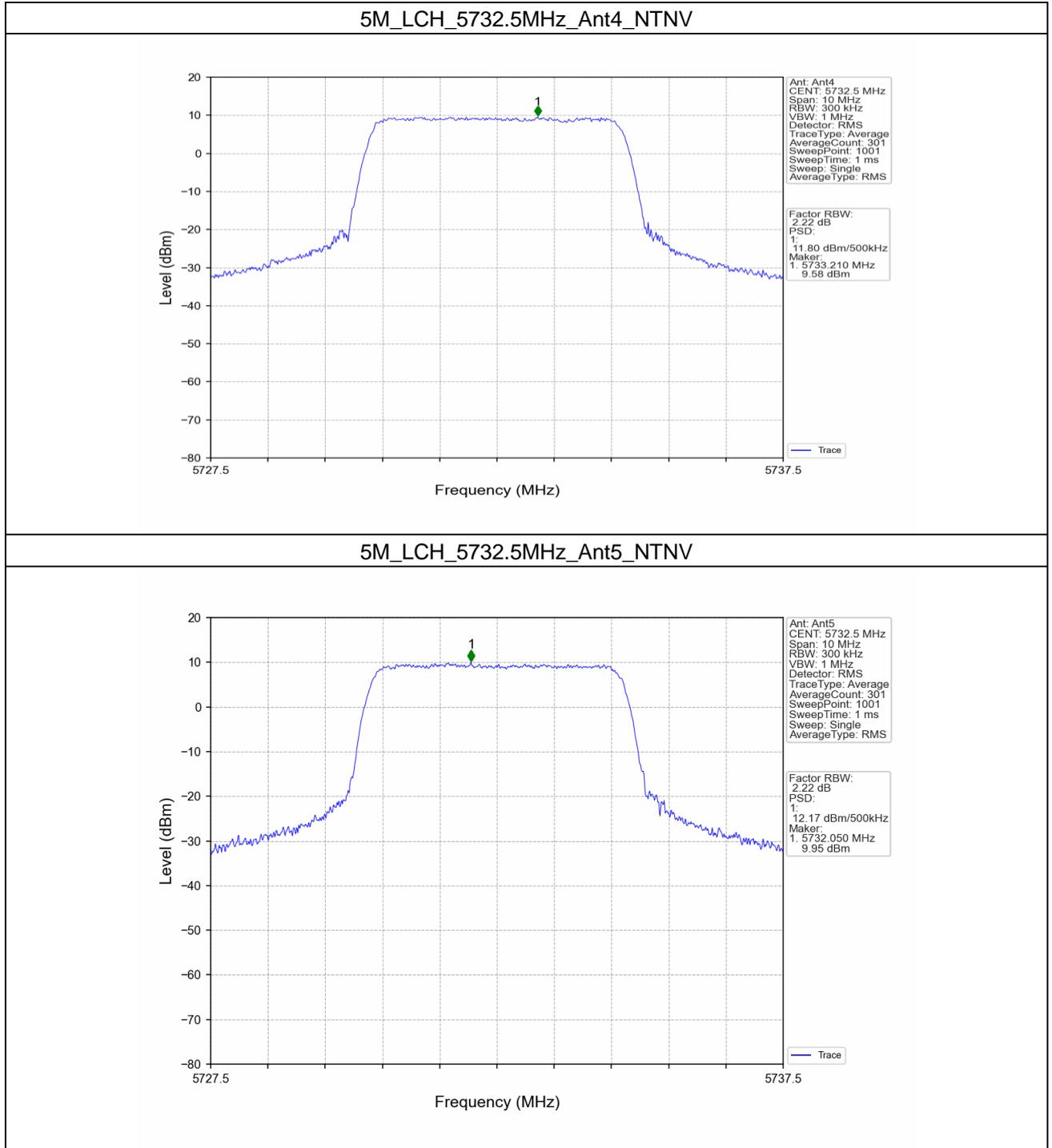


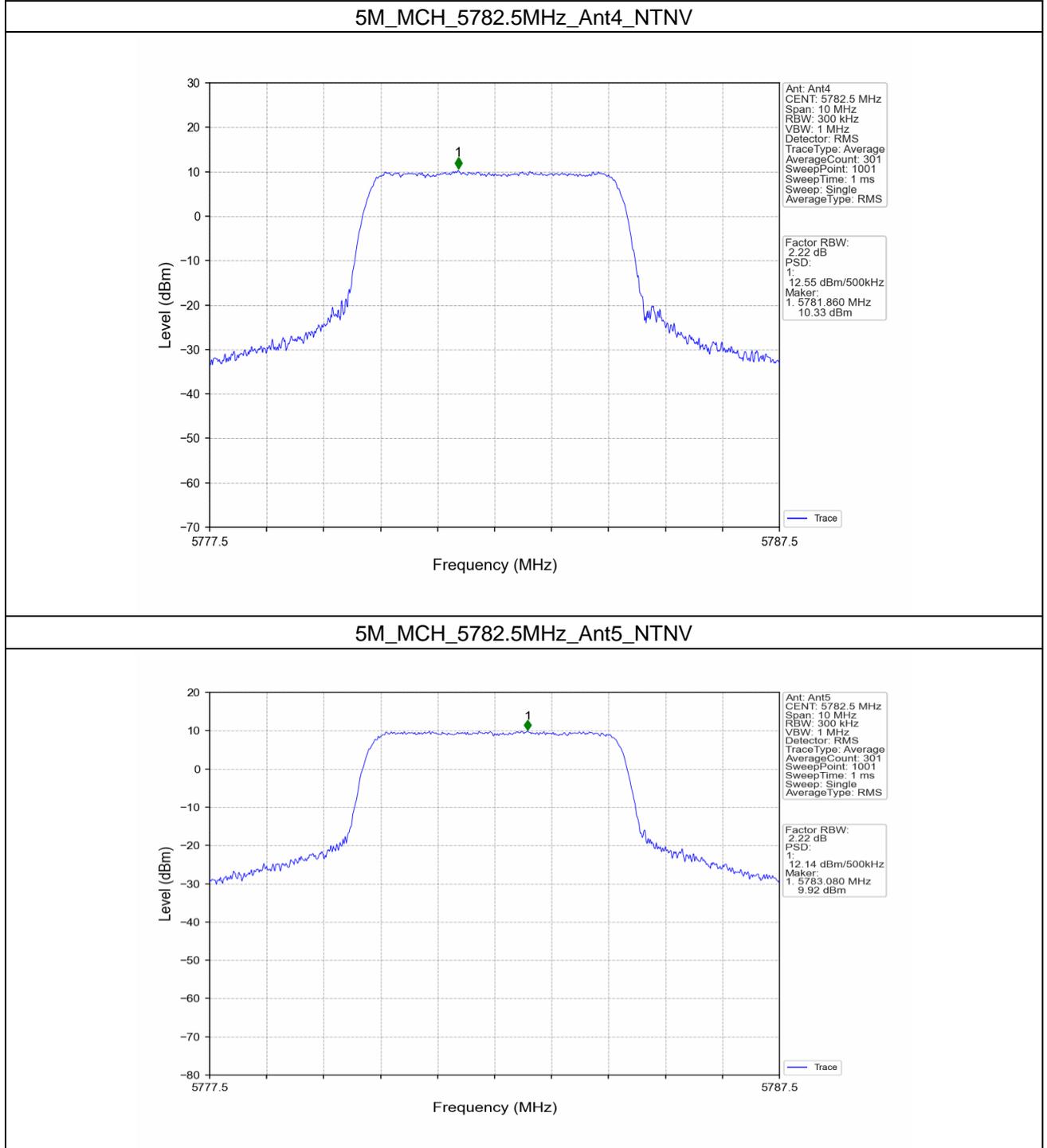


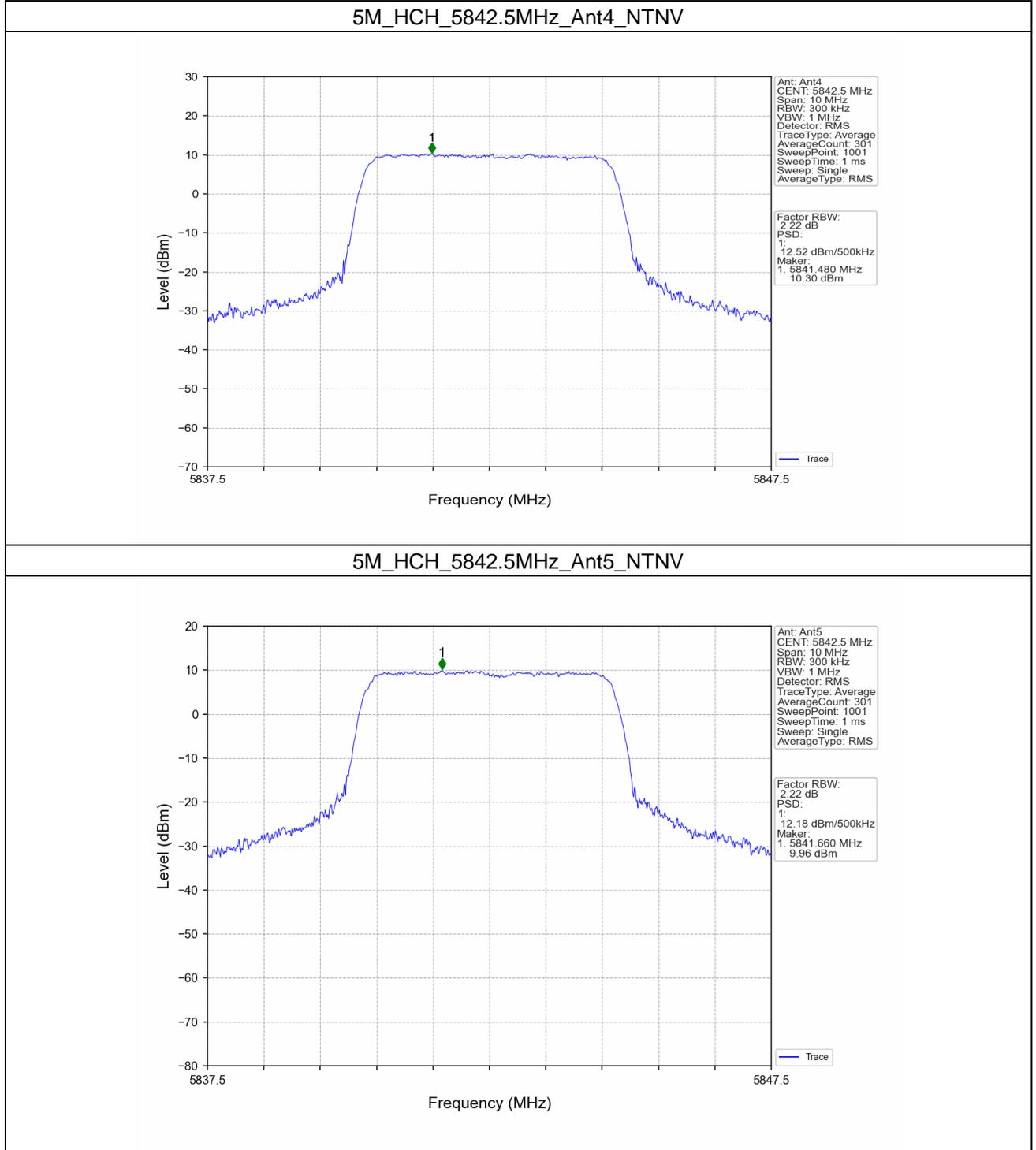


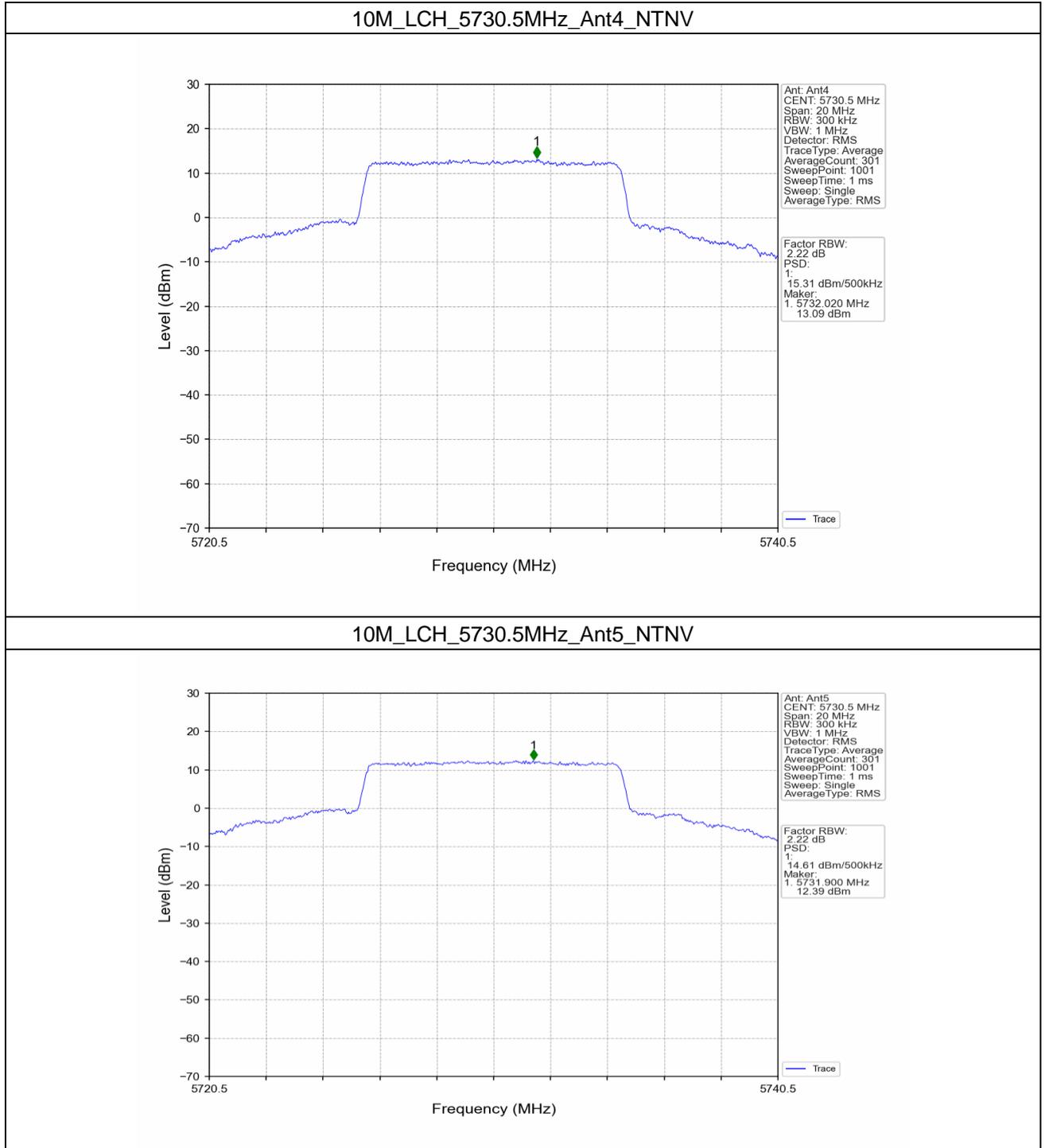


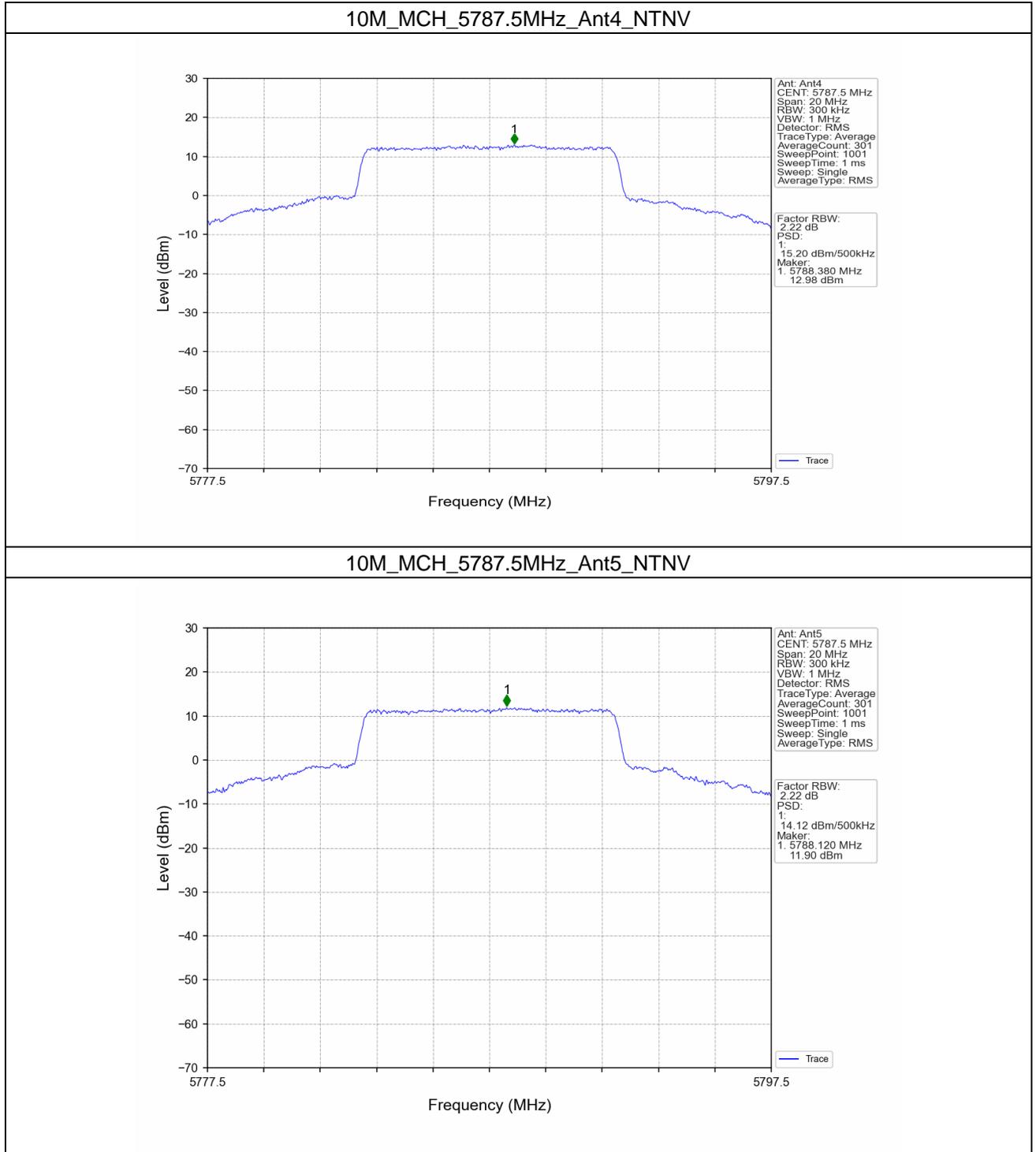


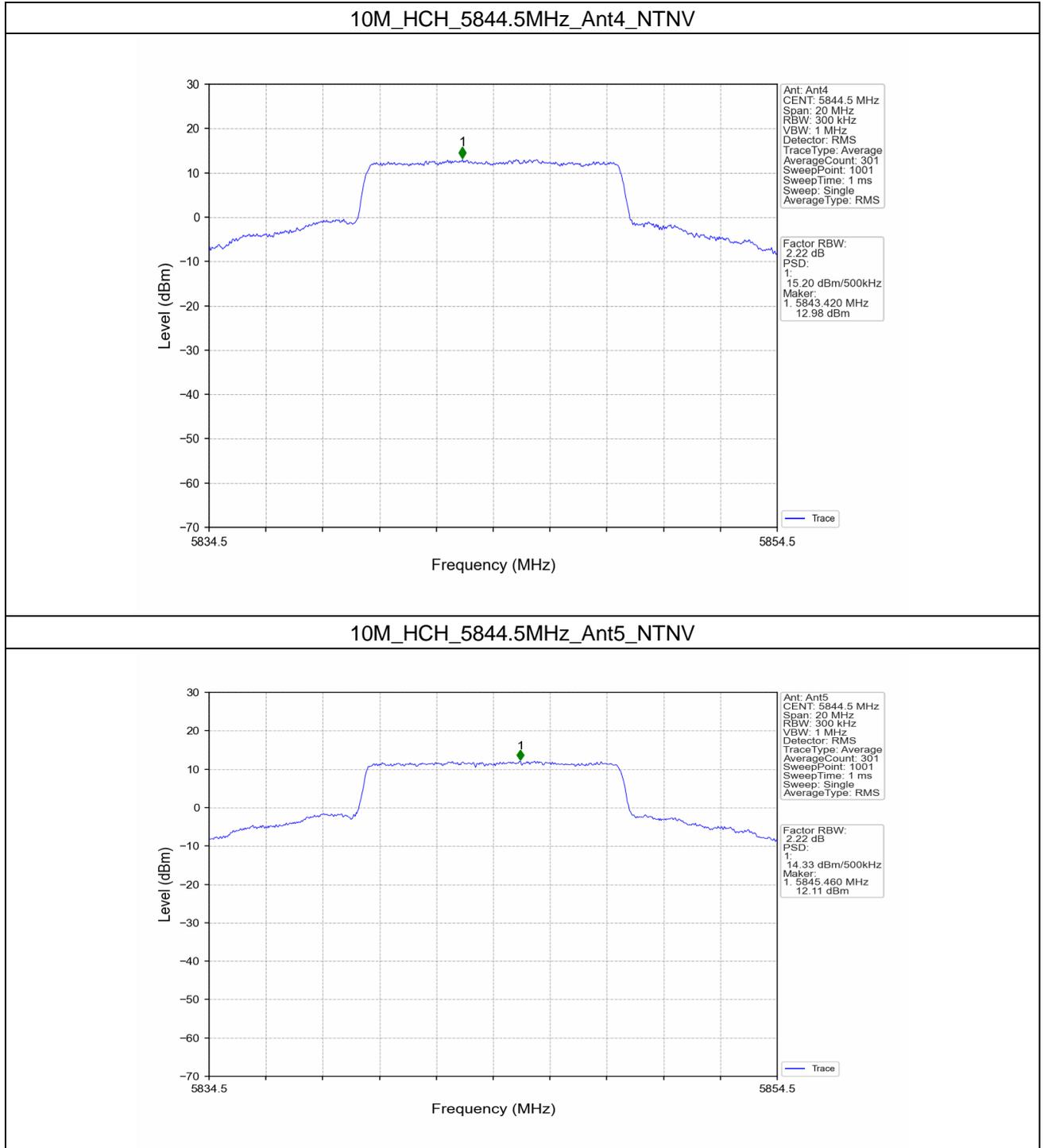


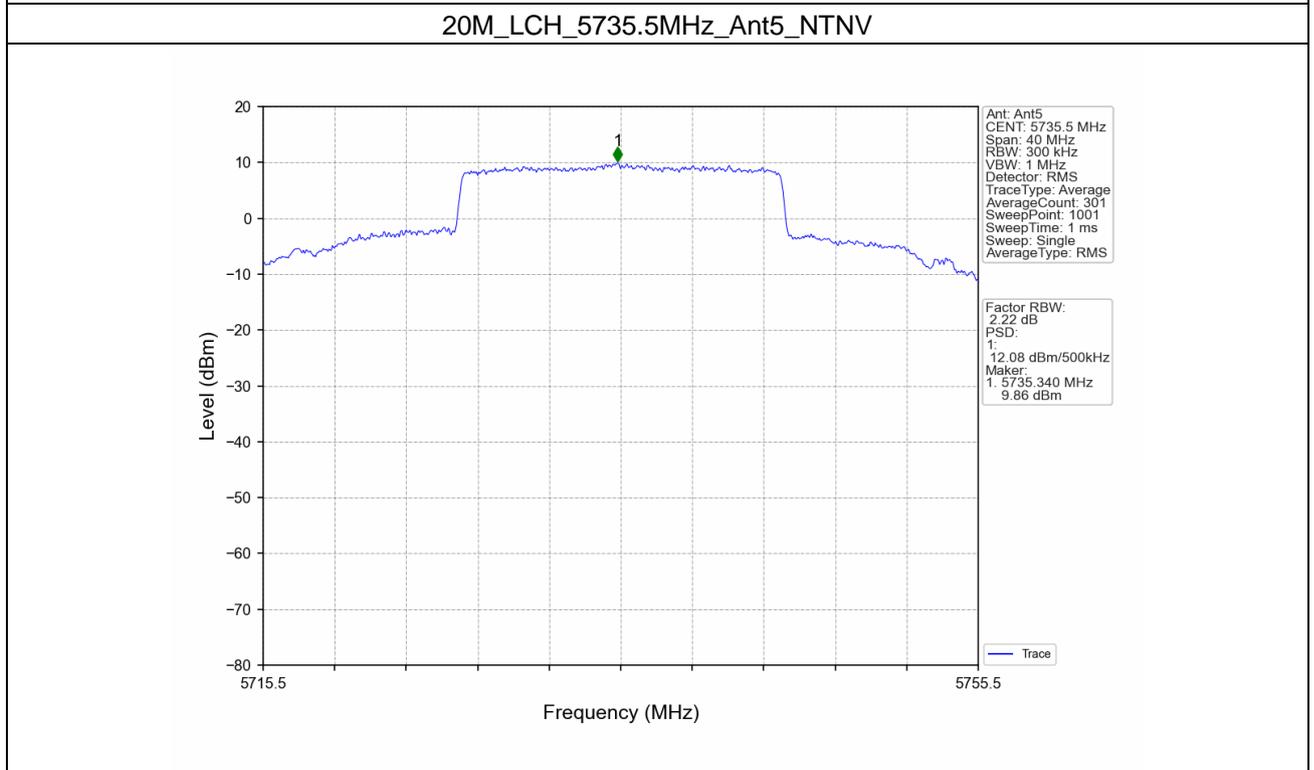
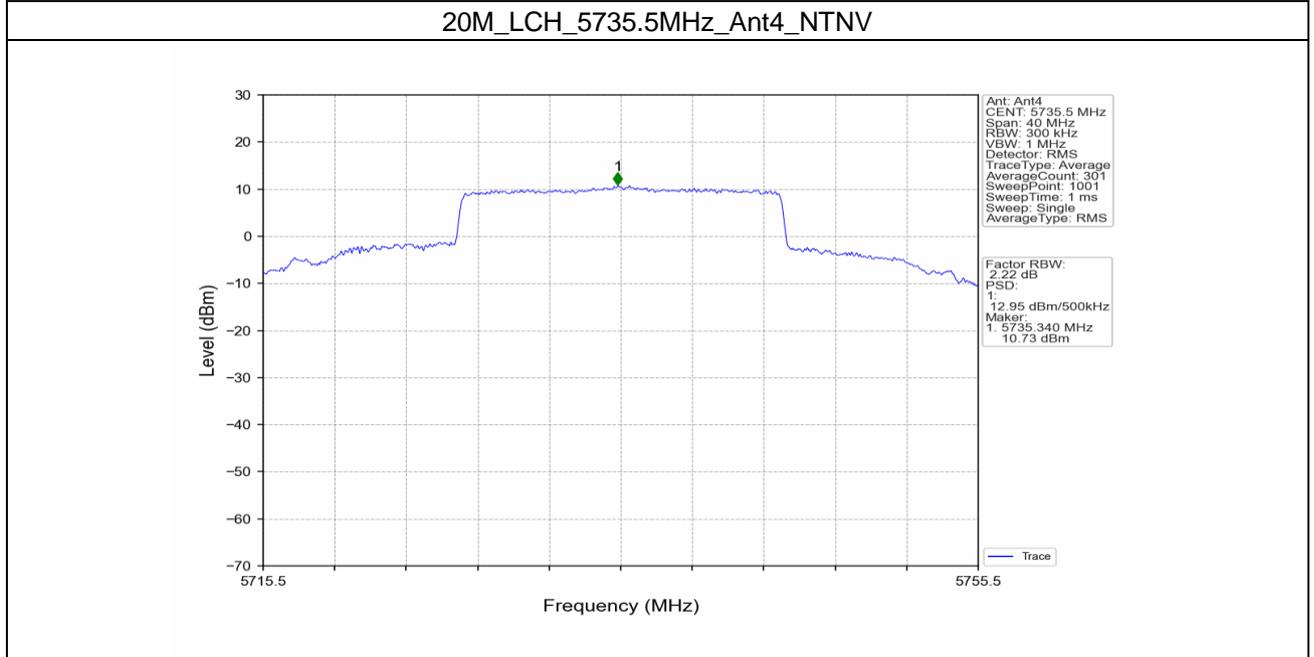


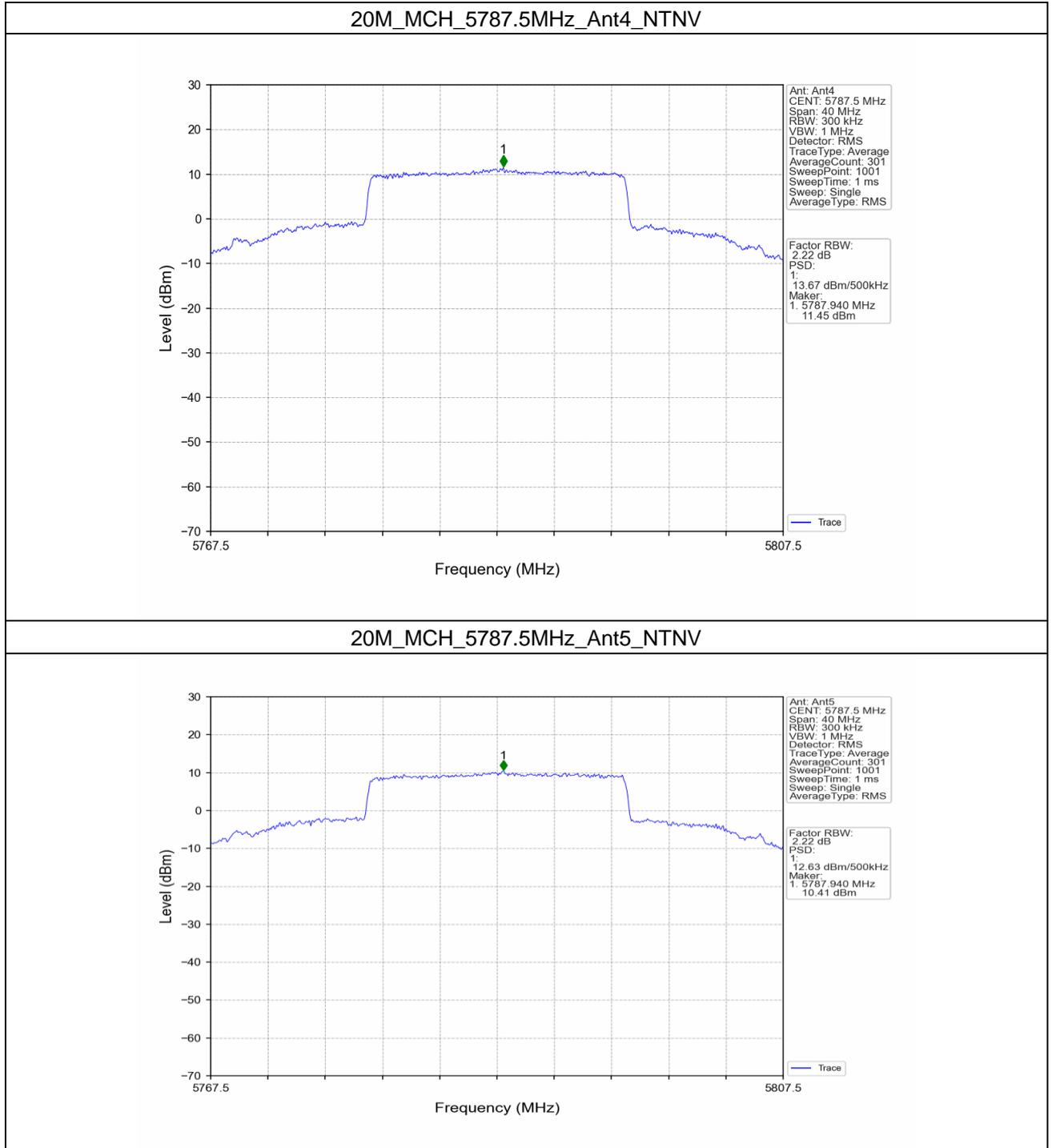


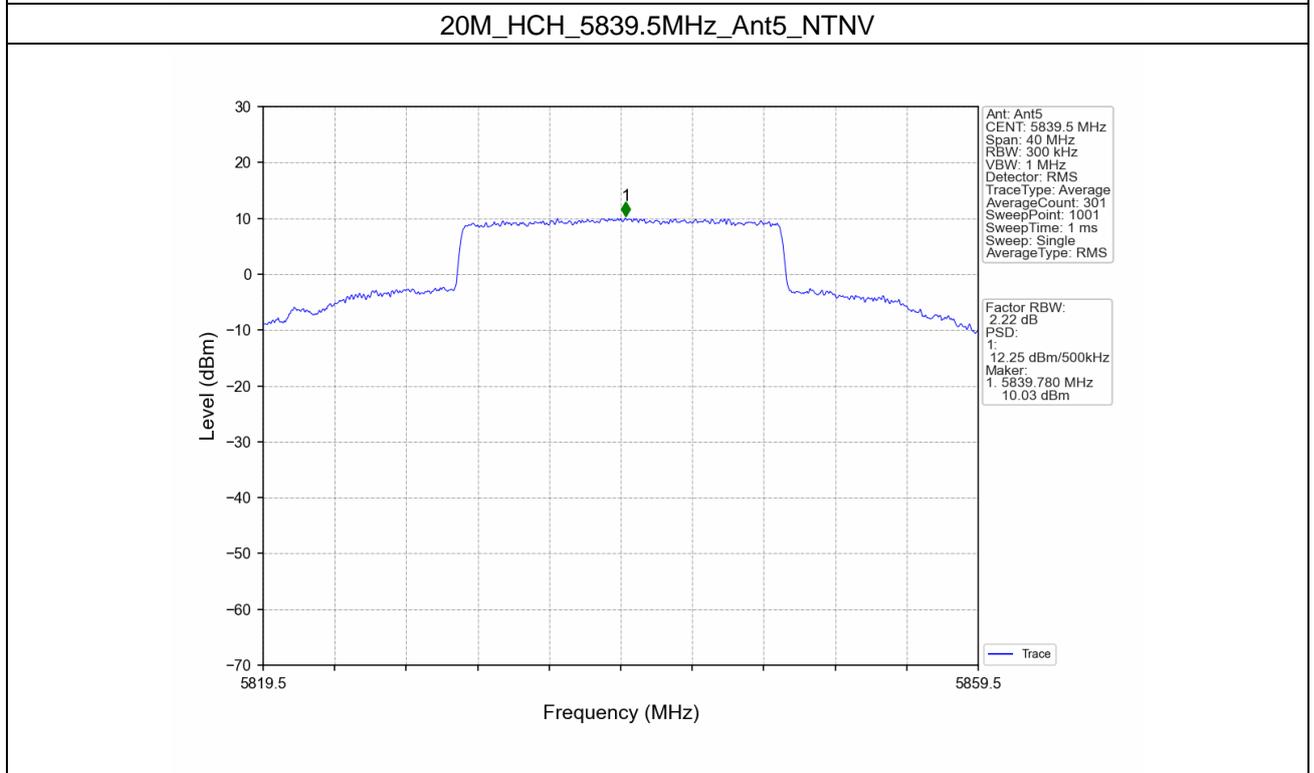
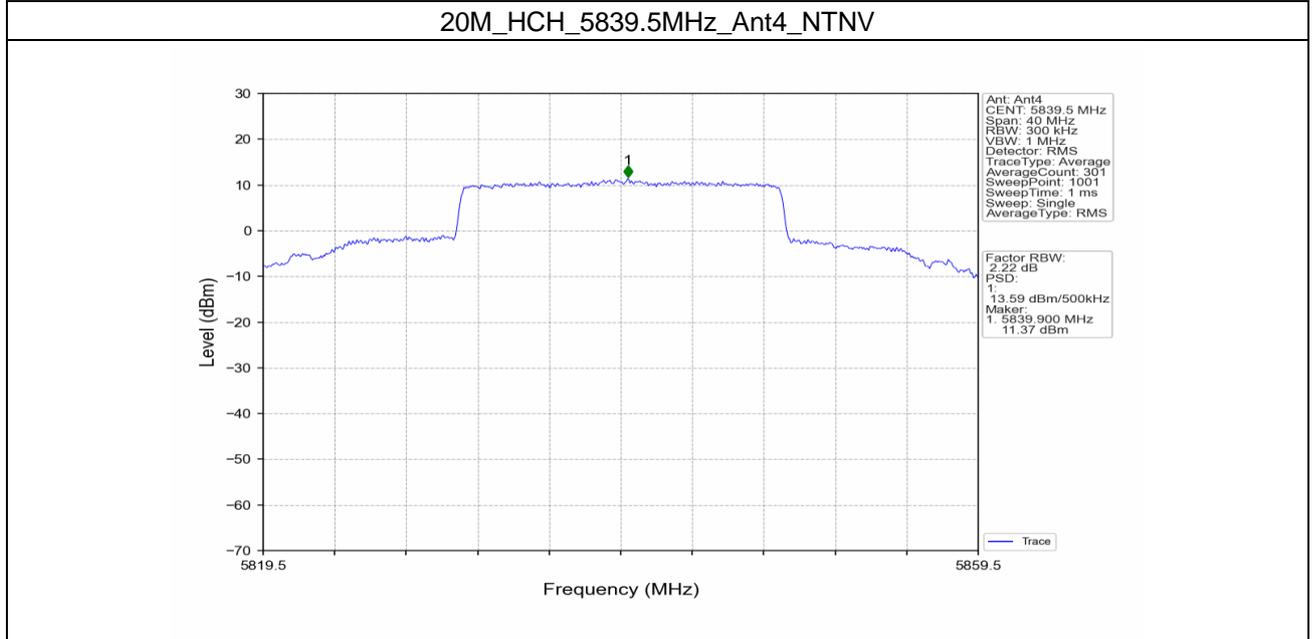


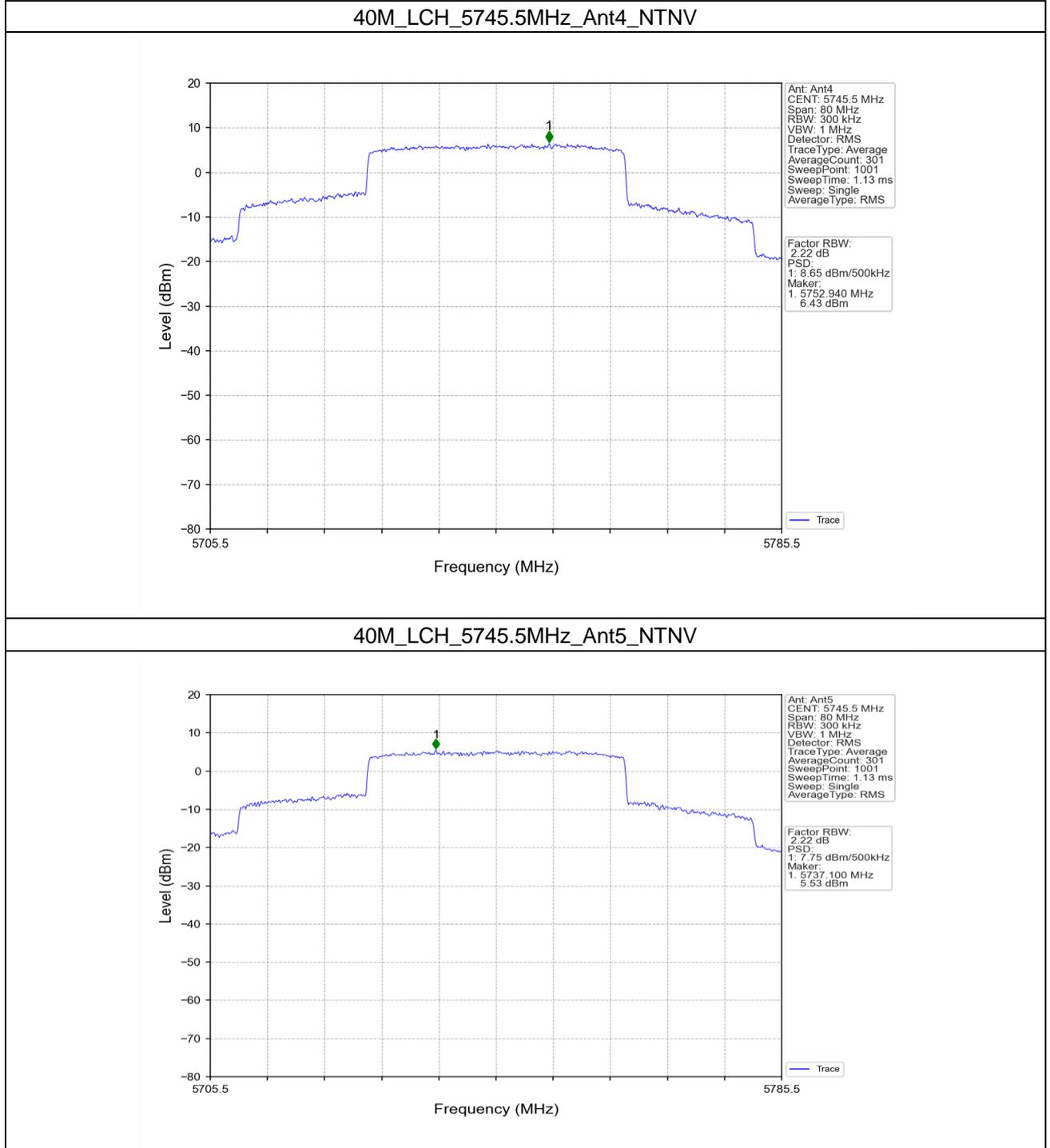


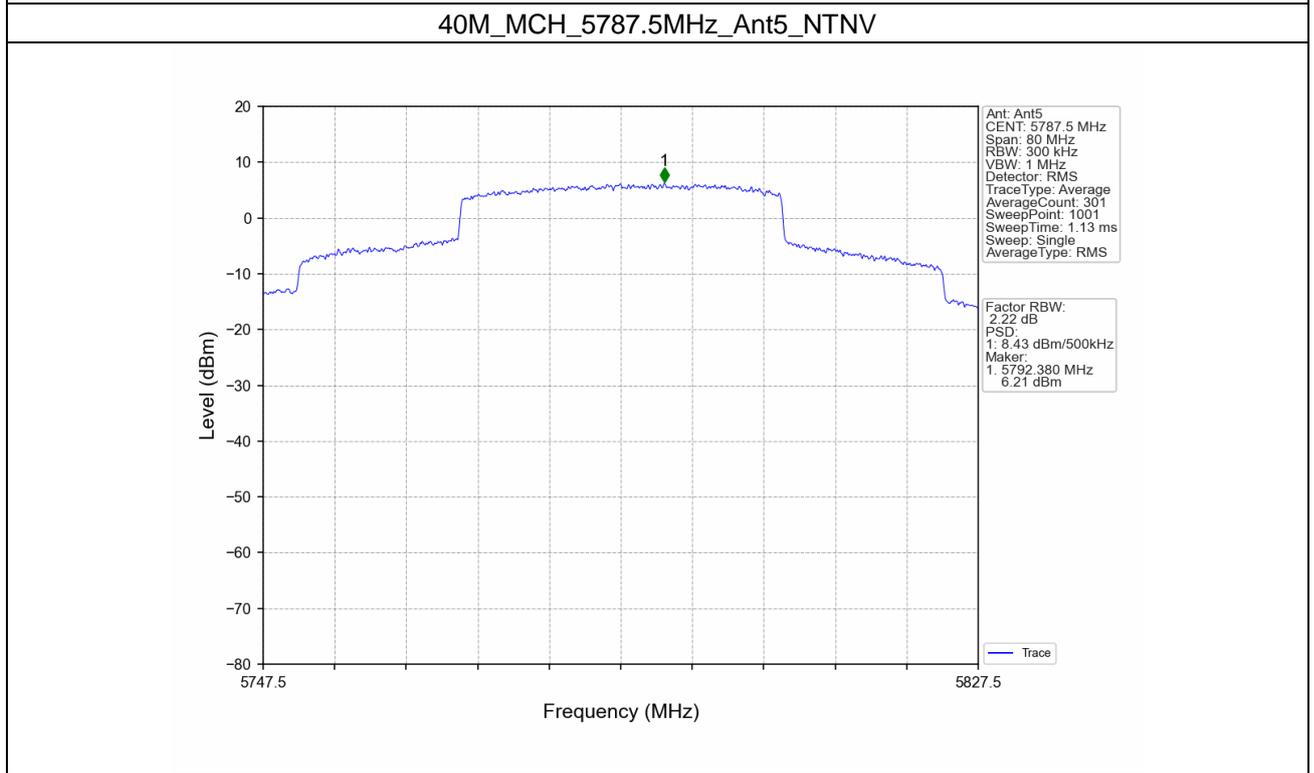
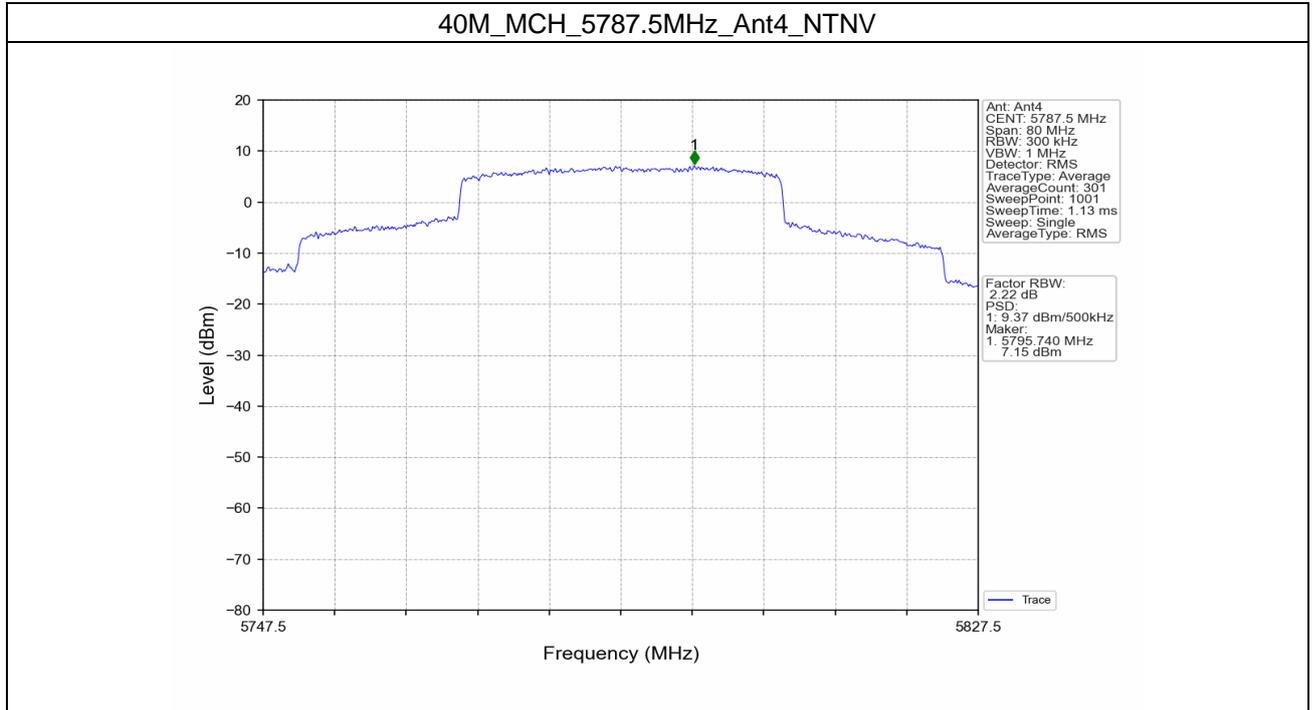


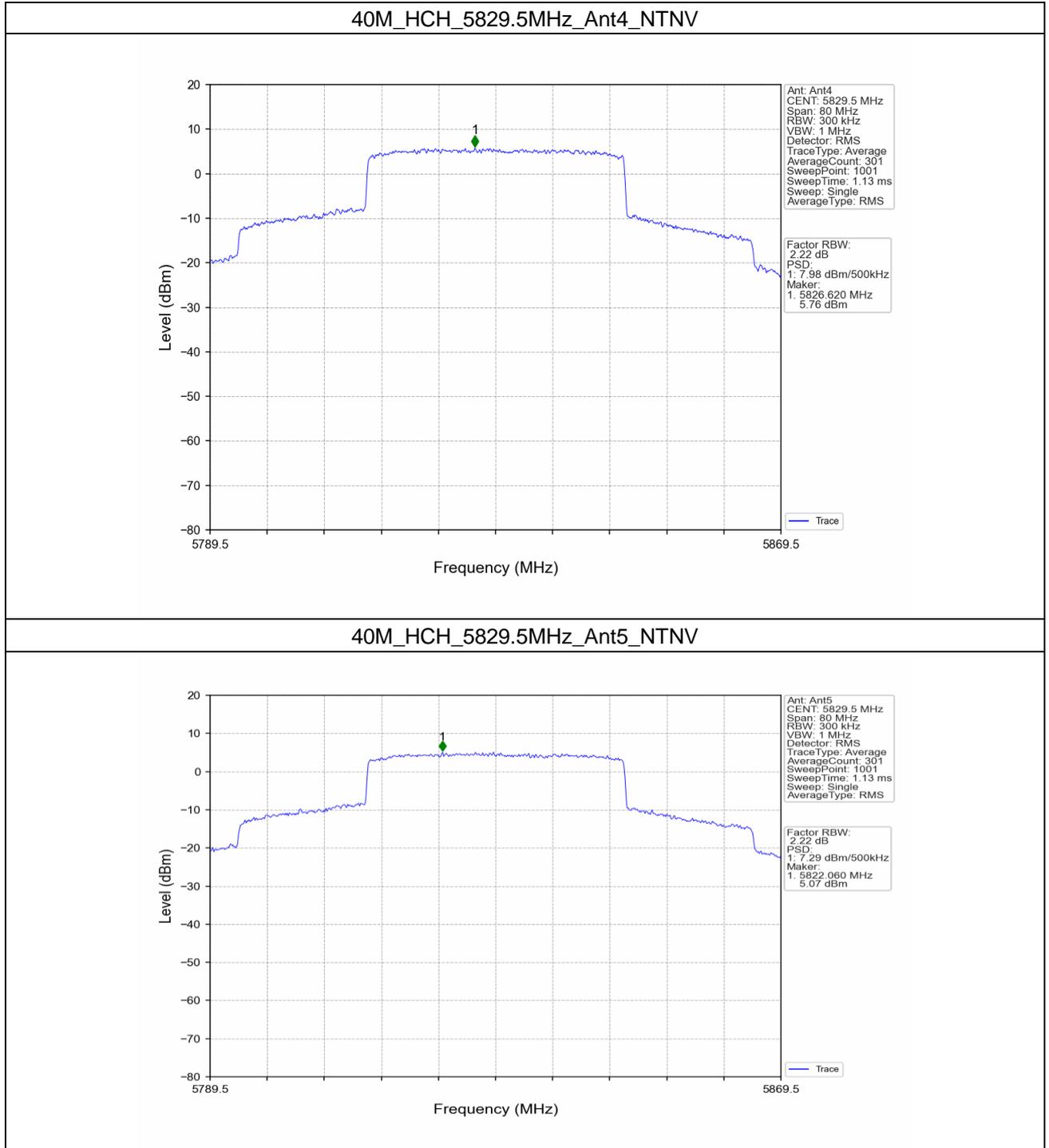












5.8G SDR MIMO Mode: (ANT2 combined ANT3 is the worse-case, only the worse-case test data were reported)

1. Duty Cycle

1.1 Ant2

1.1.1 Test Result

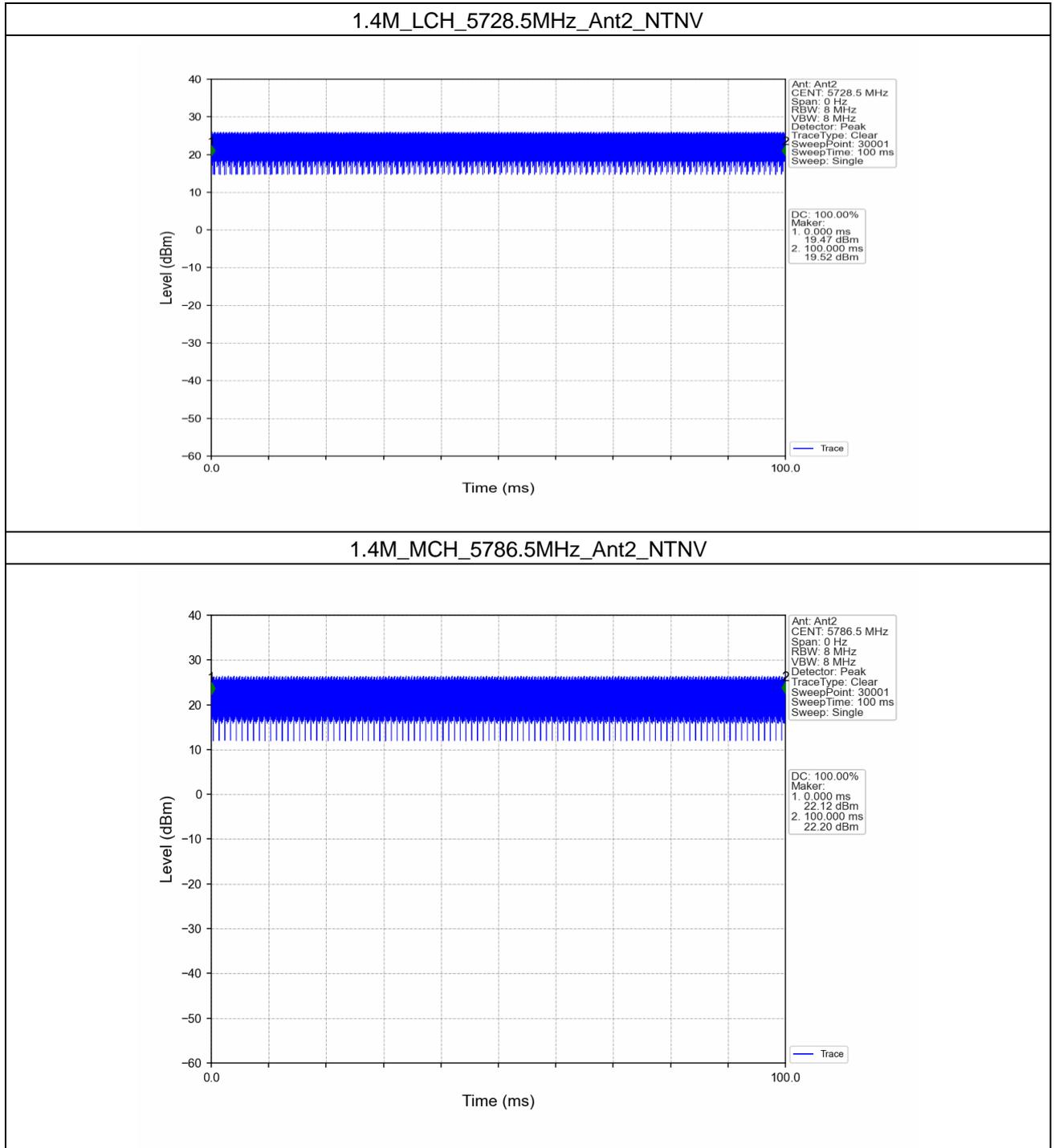
Ant2							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1.4M	MIMO	5728.5	100.000	100.000	100.00	0.00	0.00
		5786.5	100.000	100.000	100.00	0.00	0.00
		5846.12	100.000	100.000	100.00	0.00	0.00
3M	MIMO	5727.5	100.000	100.000	100.00	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	MIMO	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	MIMO	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	MIMO	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	MIMO	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

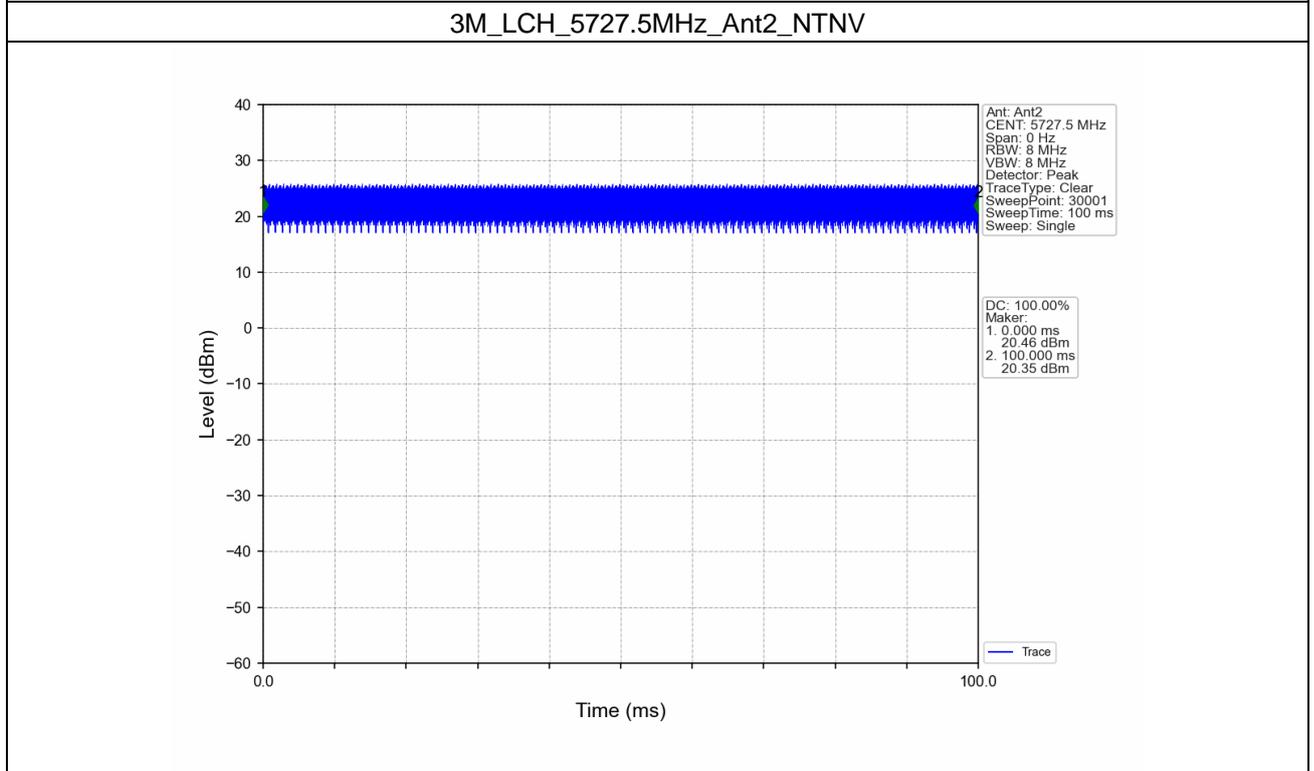
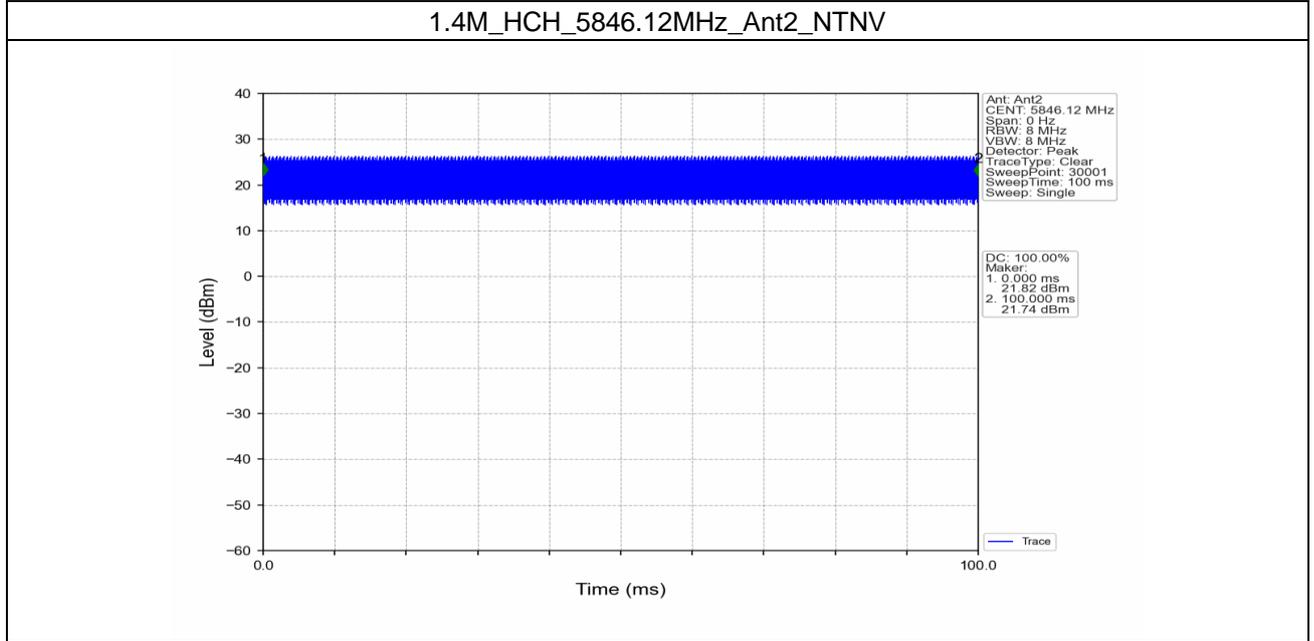


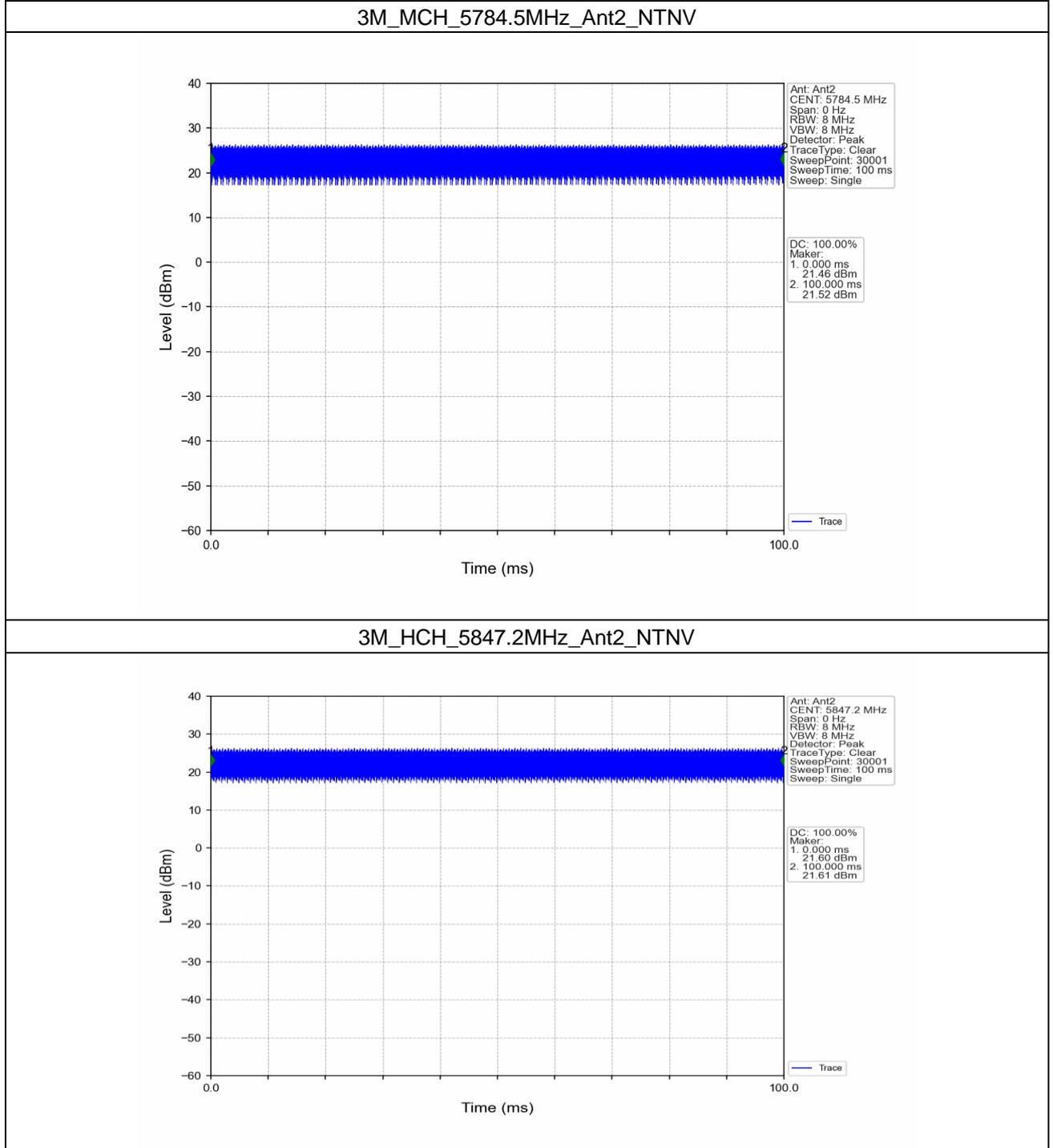
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### 1.1.2 Test Graph

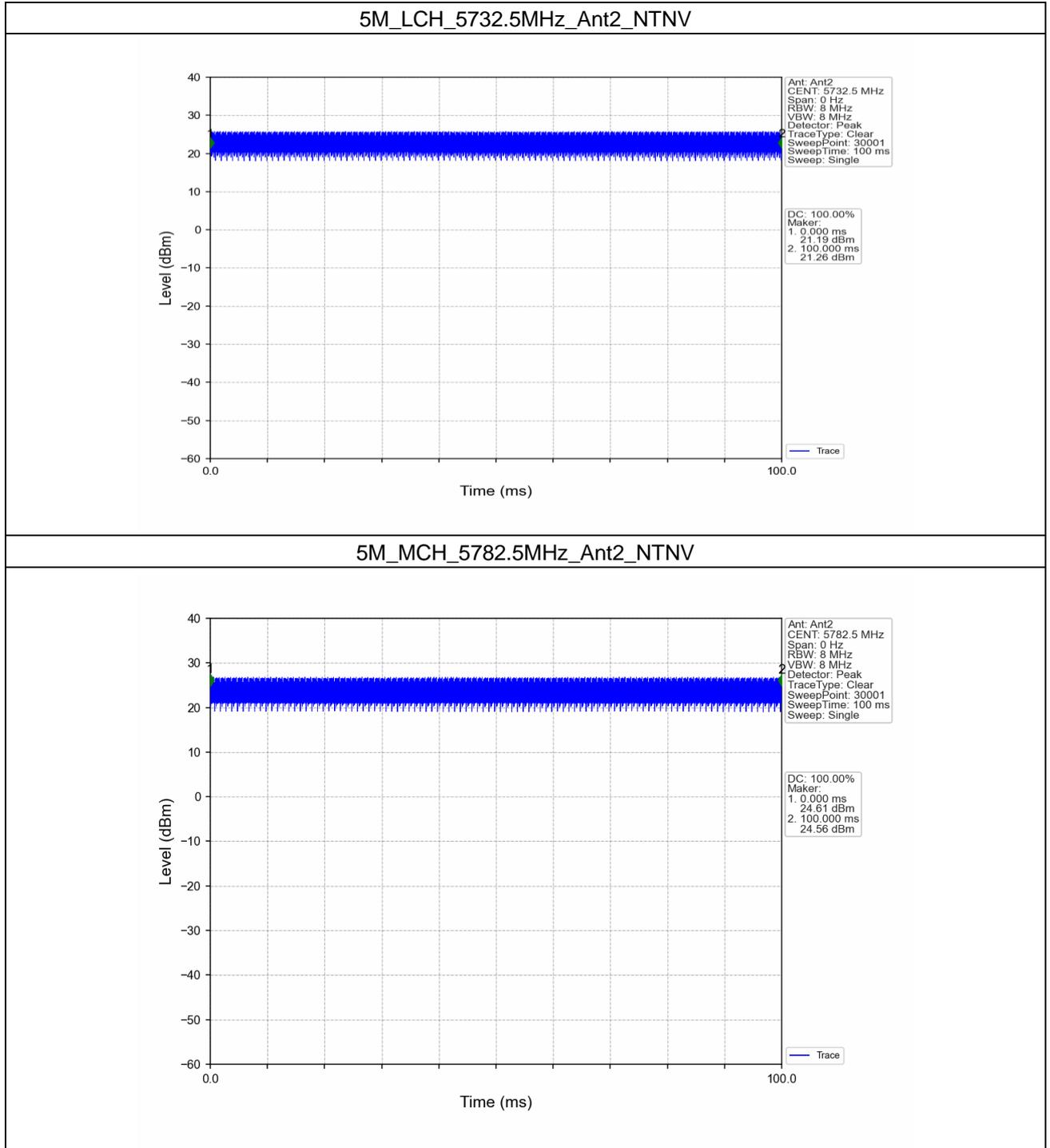


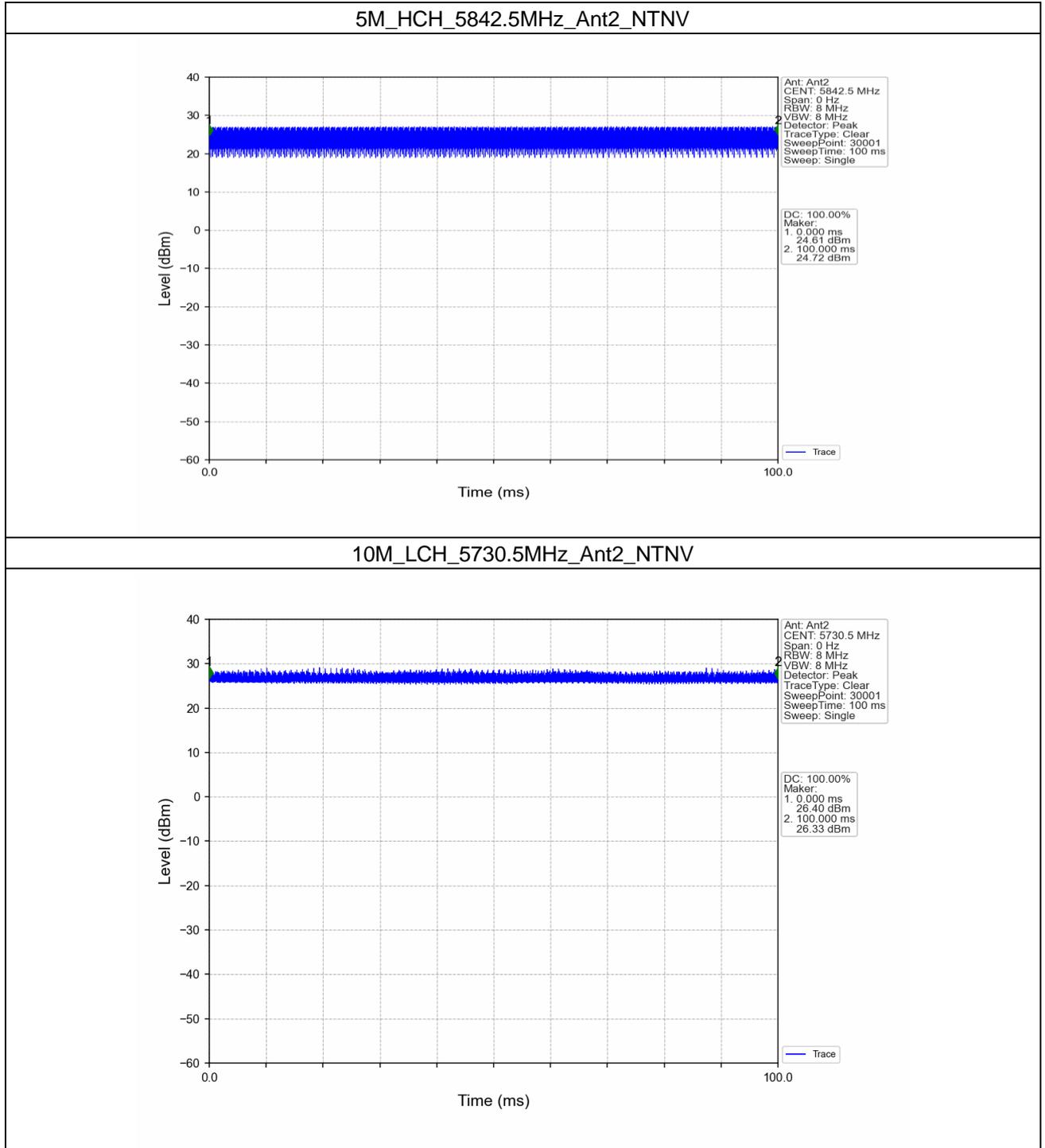


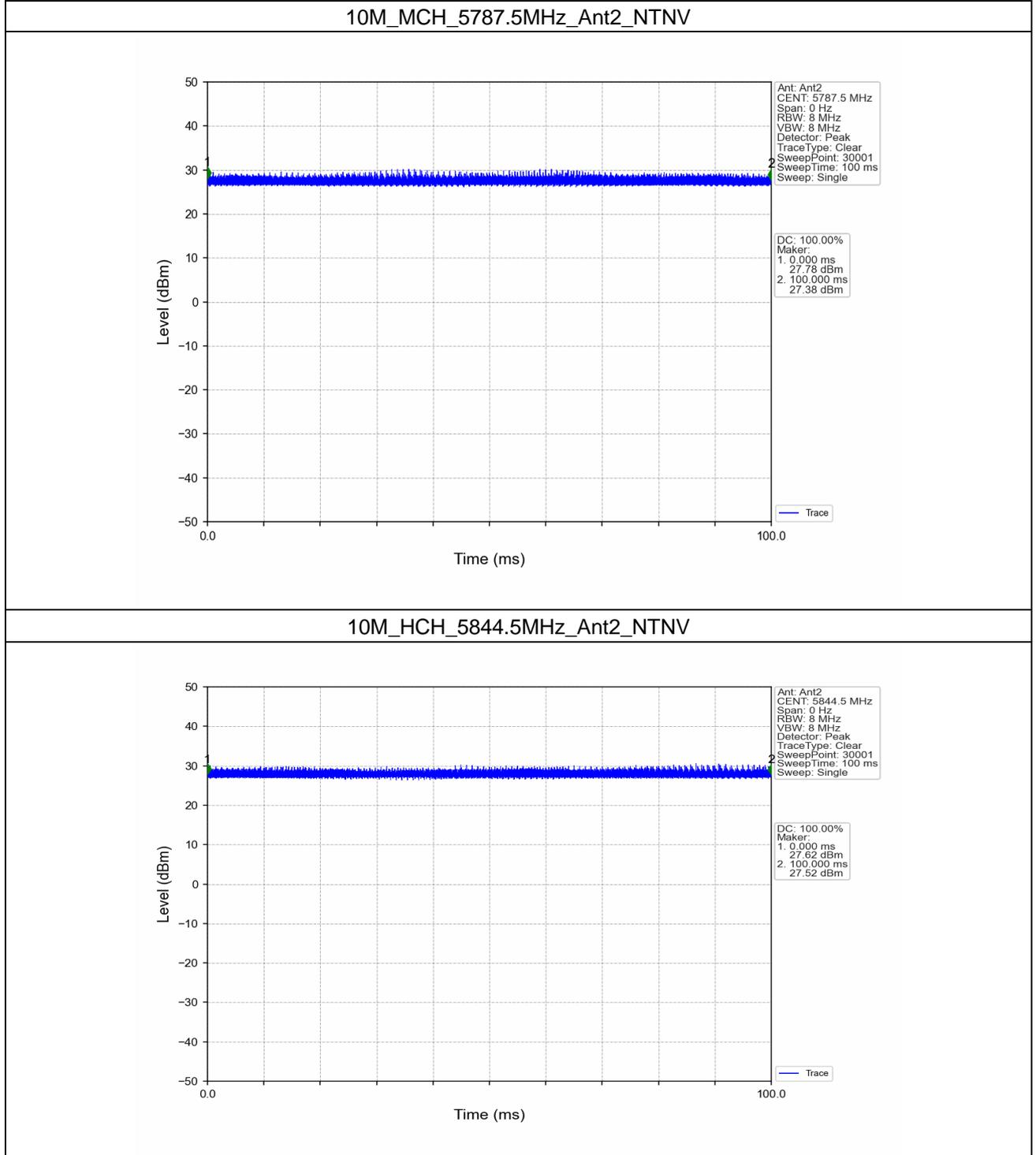


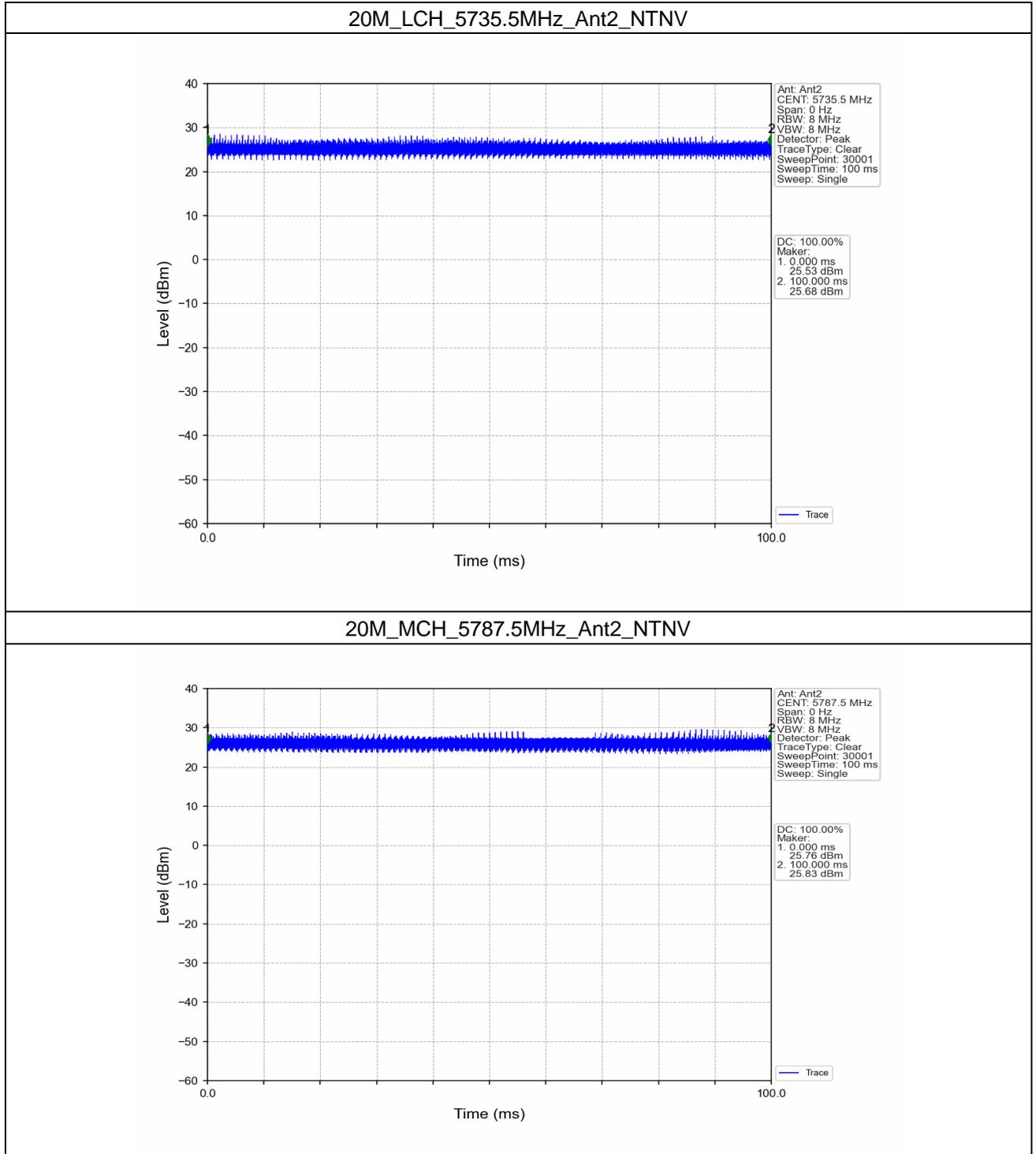
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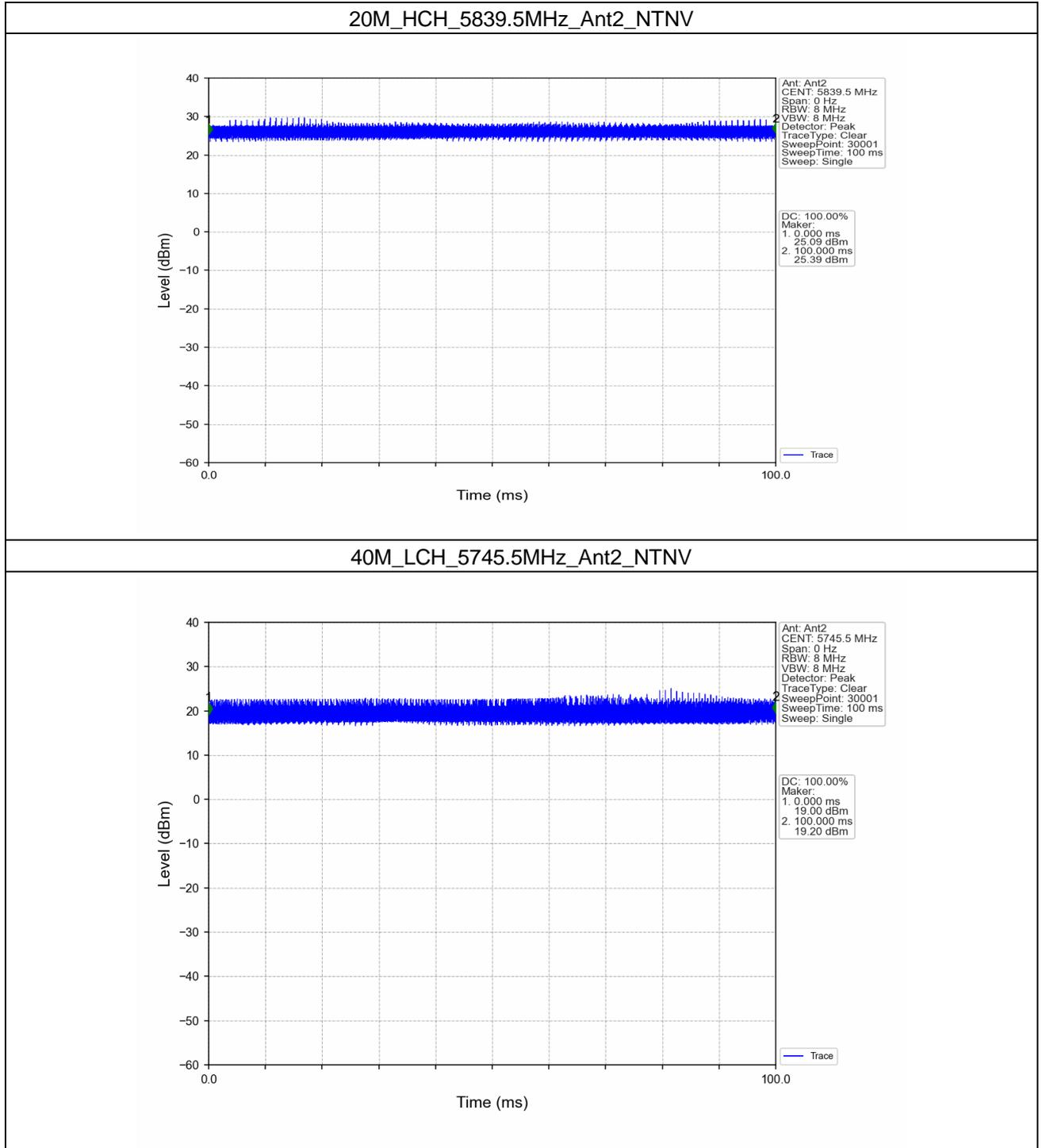
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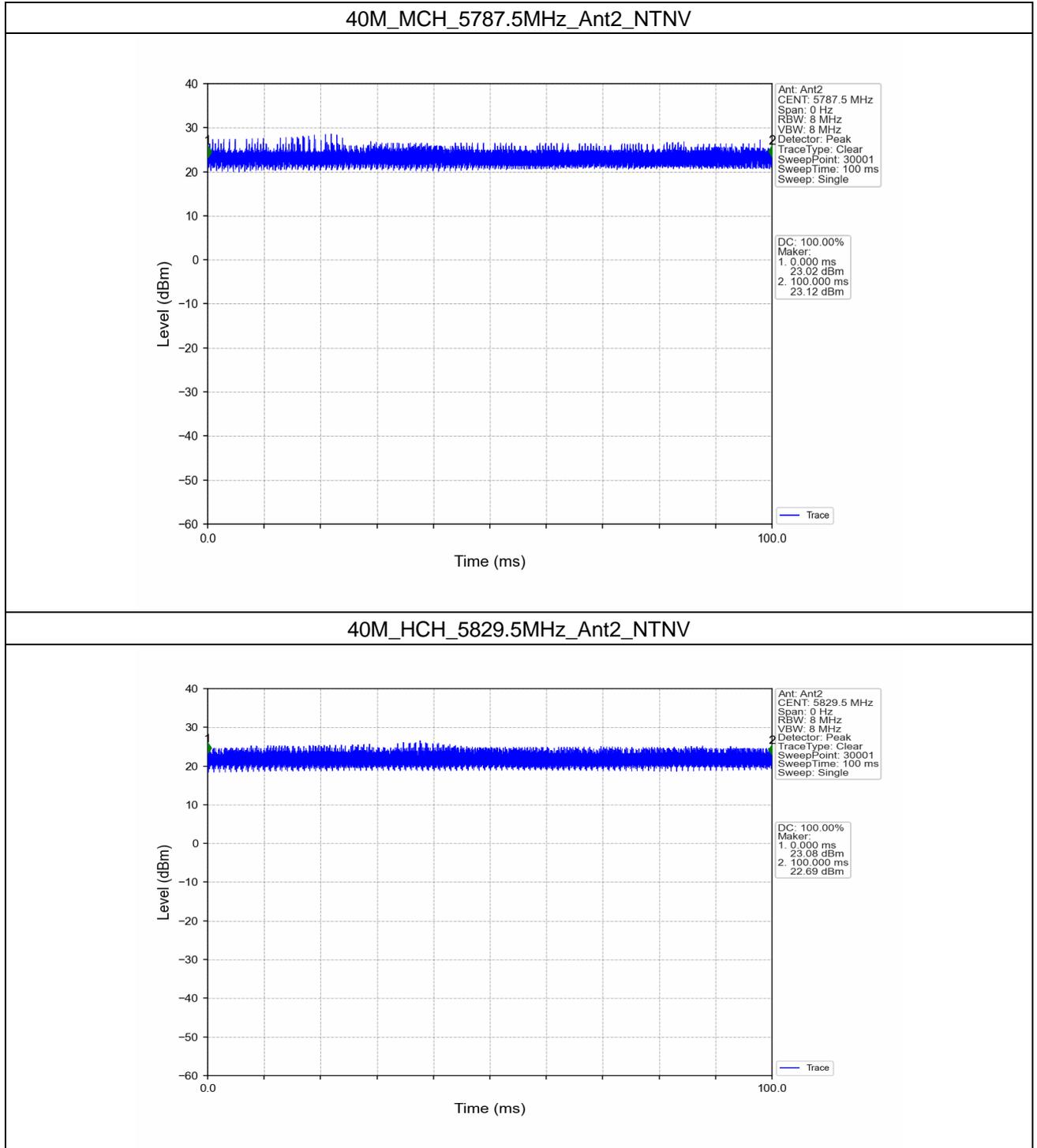












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 Shenzhen Branch Testing & Calibration Laboratory. 中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

## 2. Bandwidth

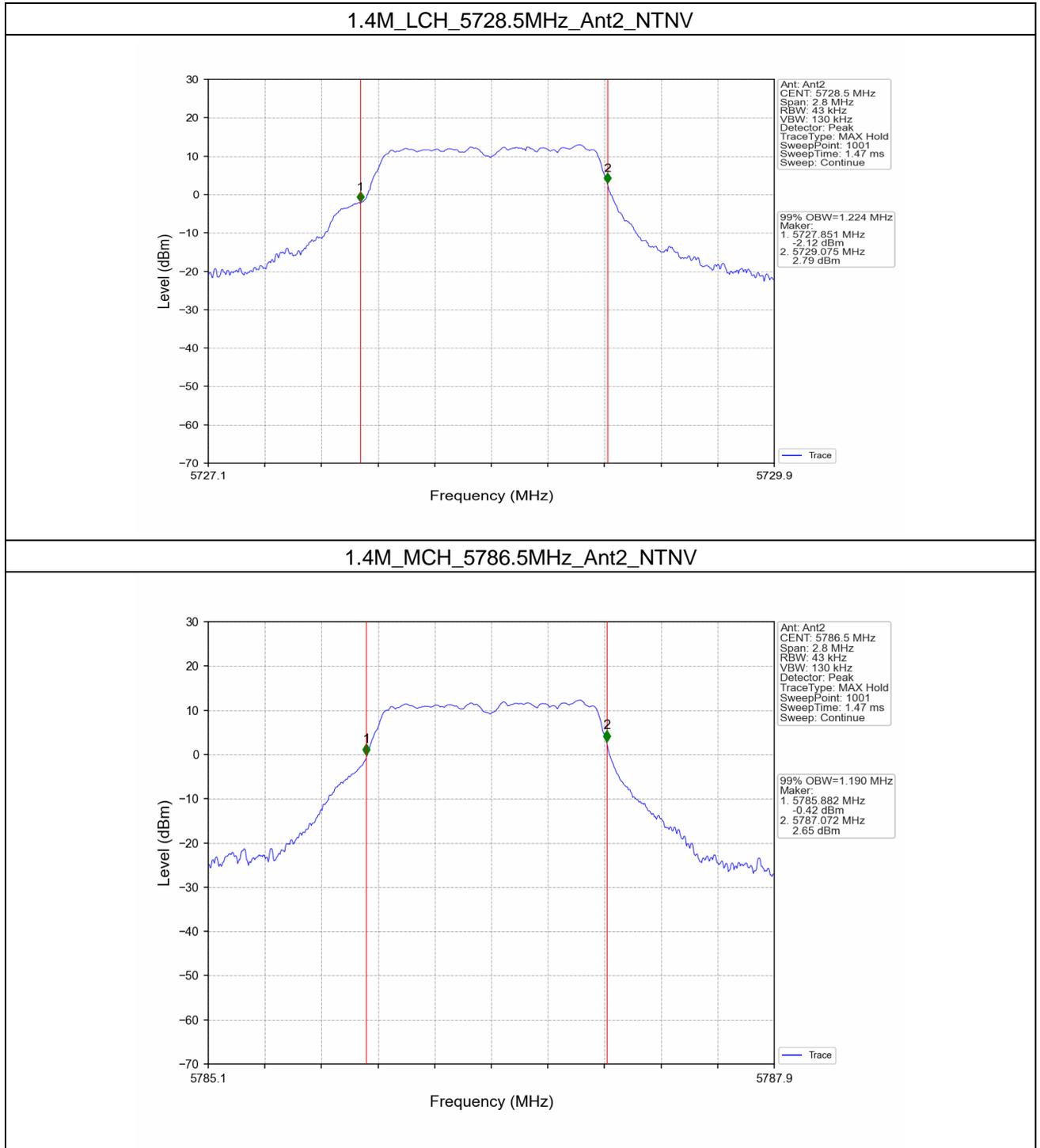
### 2.1 OBW

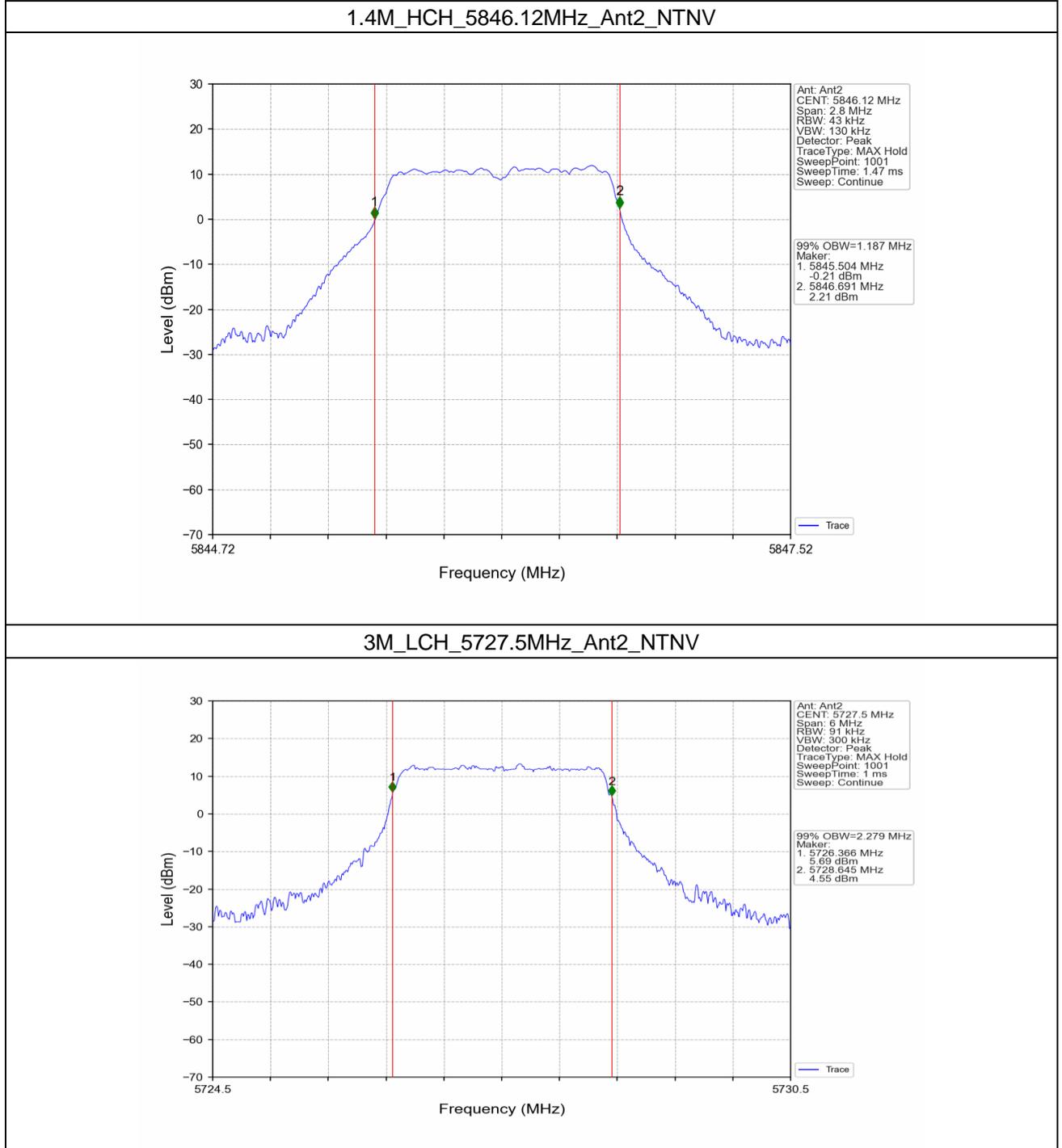
#### 2.1.1 Test Result

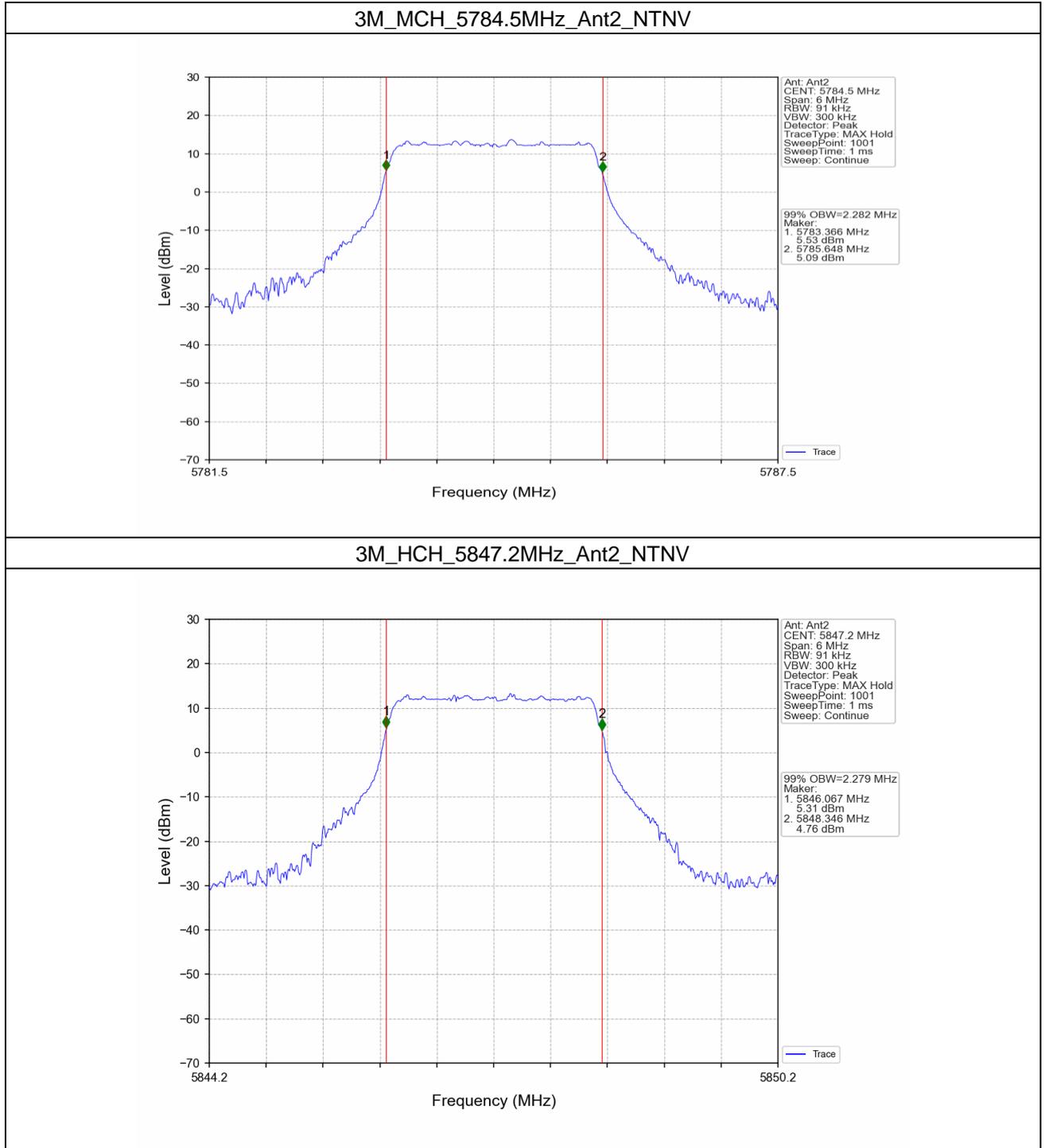
Mode	TX Type	Frequency (MHz)	ANT	99% Occupied Bandwidth (MHz)	Verdict
				Result	
1.4M	MIMO	5728.5	2	1.224	Pass
		5786.5	2	1.190	Pass
		5846.12	2	1.187	Pass
3M	MIMO	5727.5	2	2.279	Pass
		5784.5	2	2.282	Pass
		5847.2	2	2.279	Pass
5M	MIMO	5732.5	2	4.415	Pass
		5782.5	2	4.410	Pass
		5842.5	2	4.407	Pass
10M	MIMO	5730.5	2	11.693	Pass
		5787.5	2	10.684	Pass
		5844.5	2	10.051	Pass
20M	MIMO	5735.5	2	23.797	Pass
		5787.5	2	23.369	Pass
		5839.5	2	20.314	Pass
40M	MIMO	5745.5	2	36.760	Pass
		5787.5	2	40.129	Pass
		5829.5	2	36.197	Pass

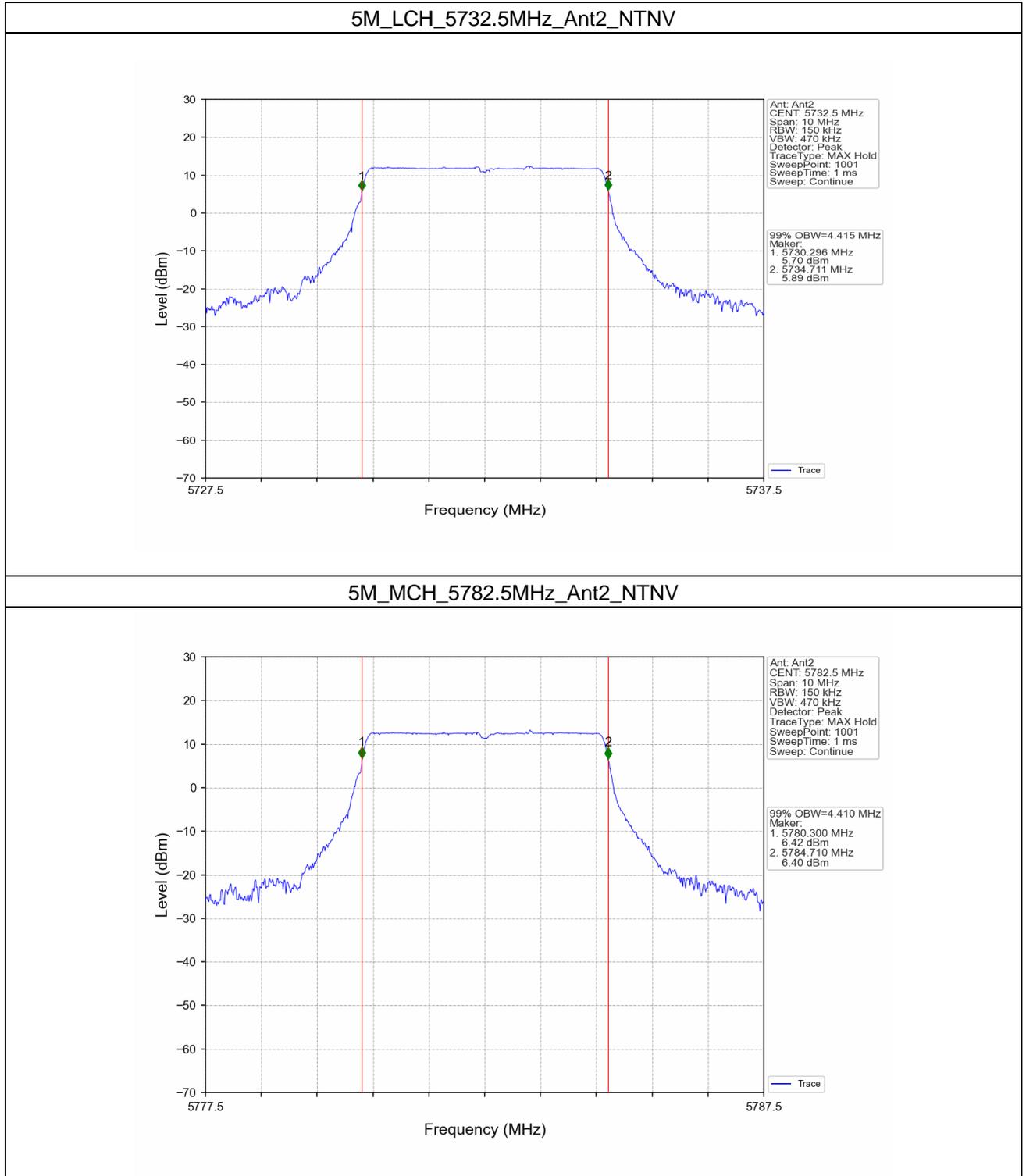


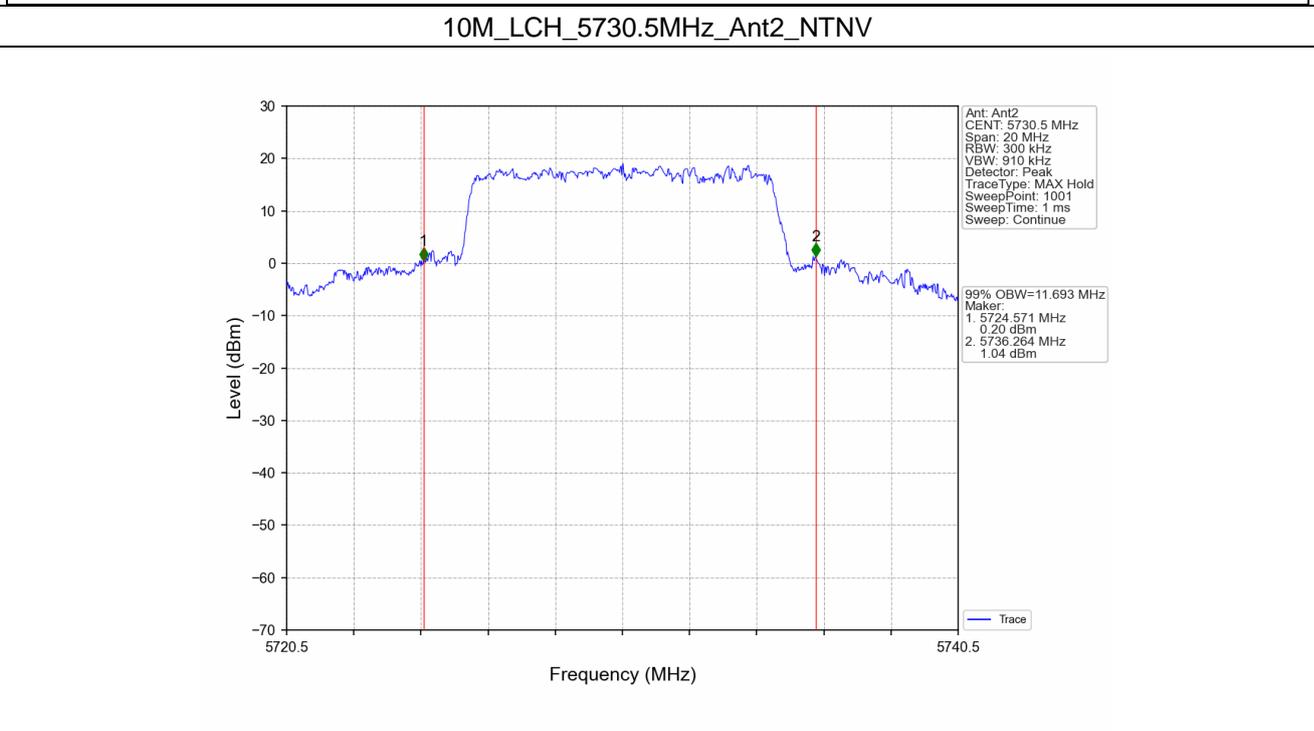
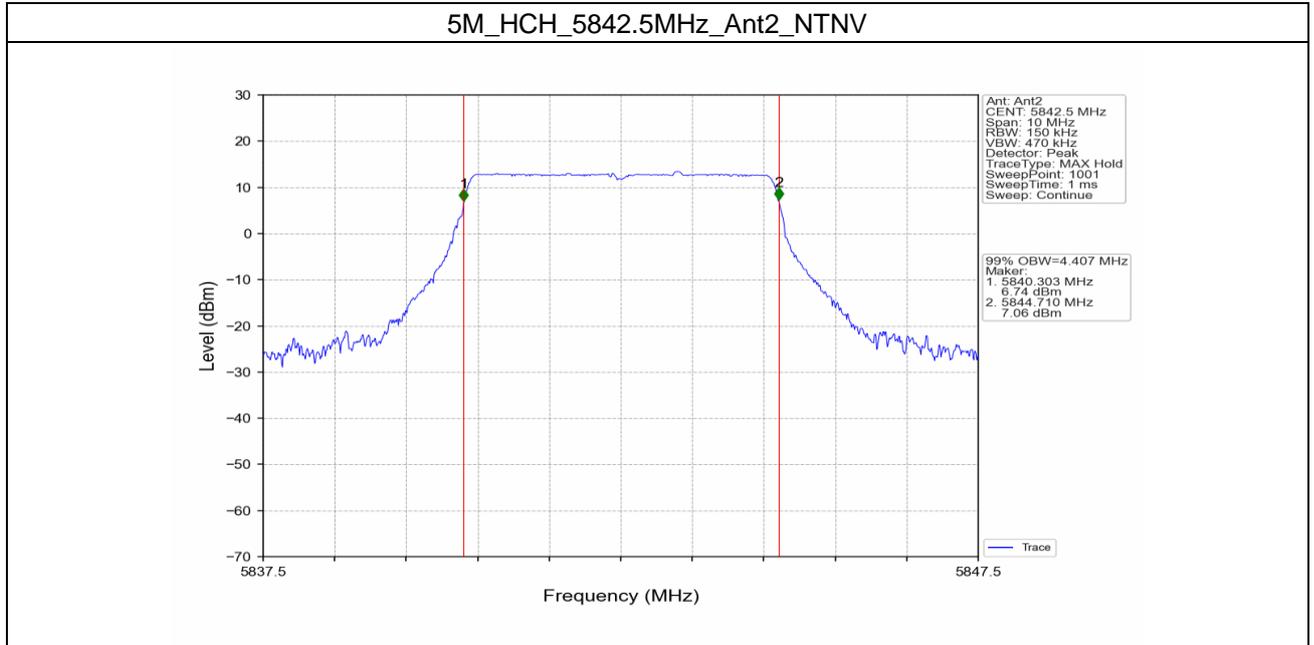
### 2.1.2 Test Graph

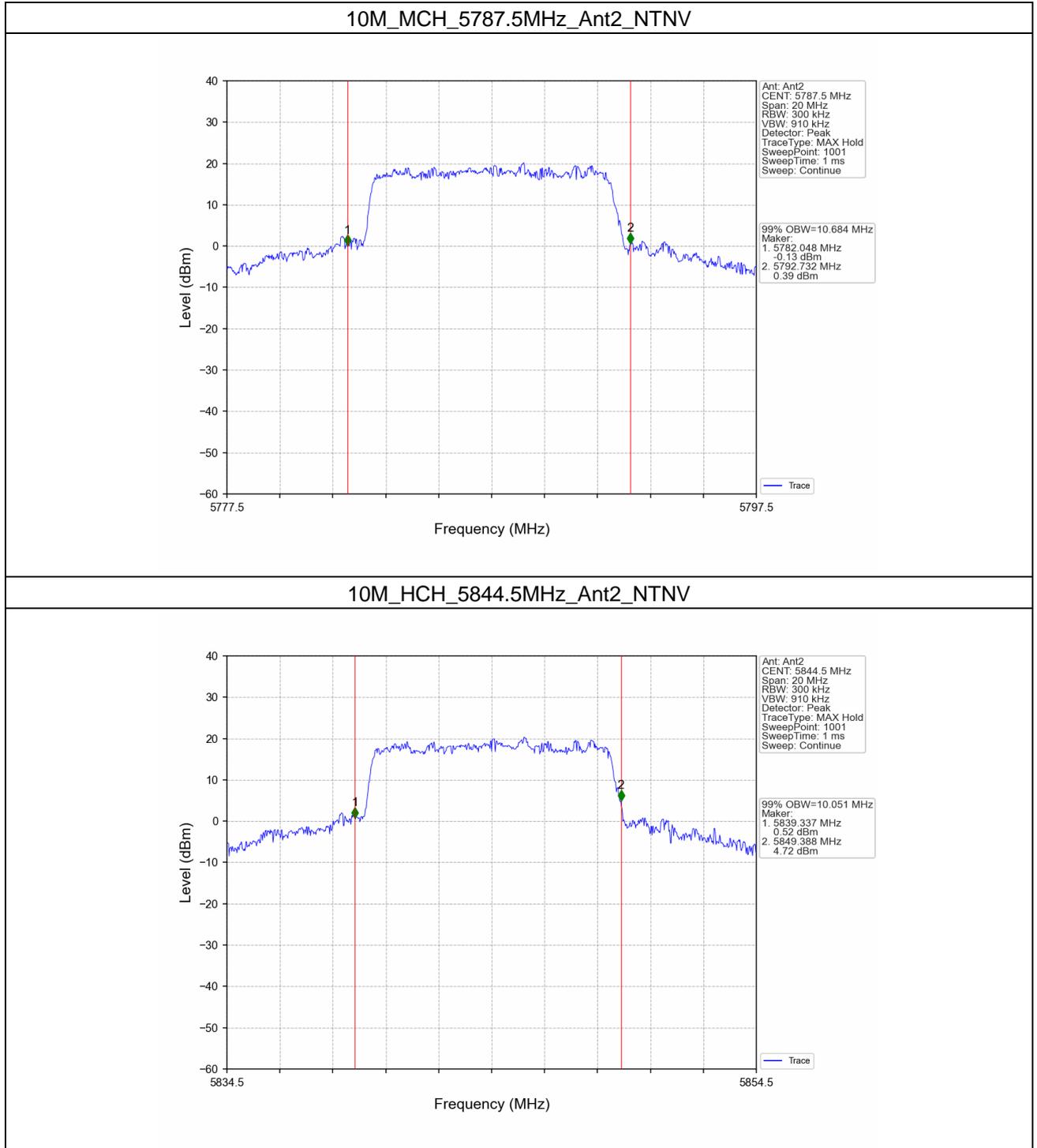


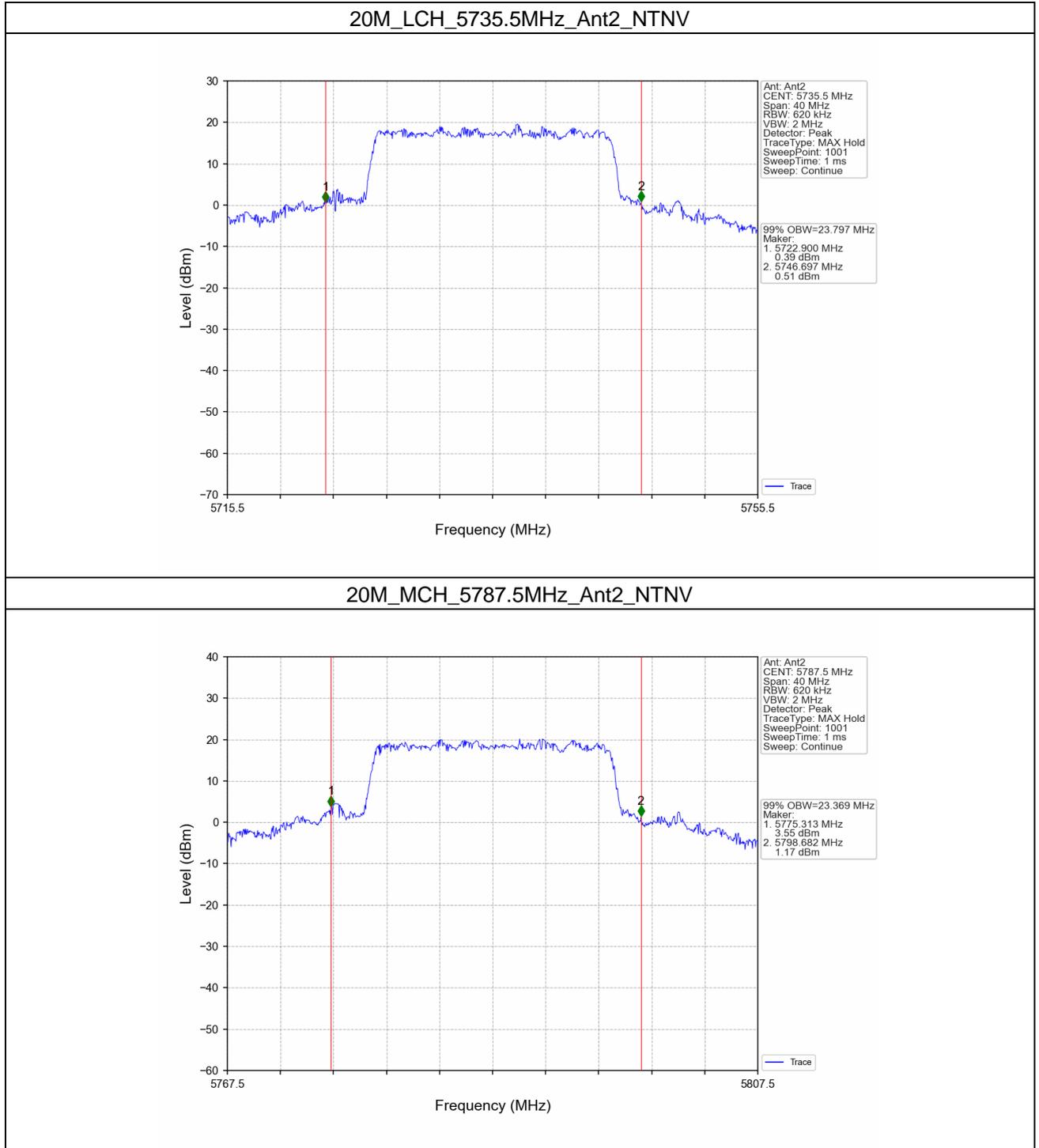


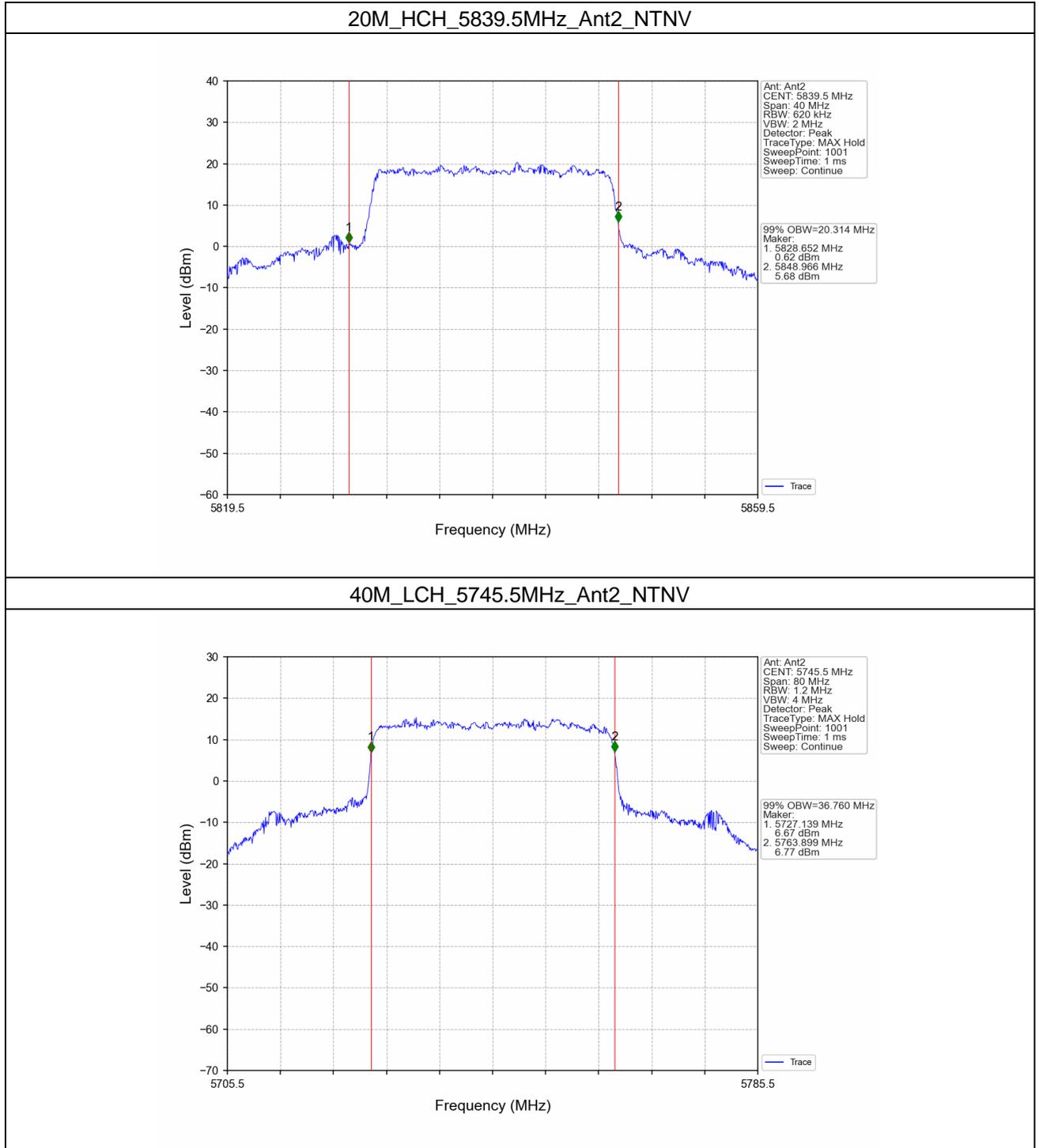


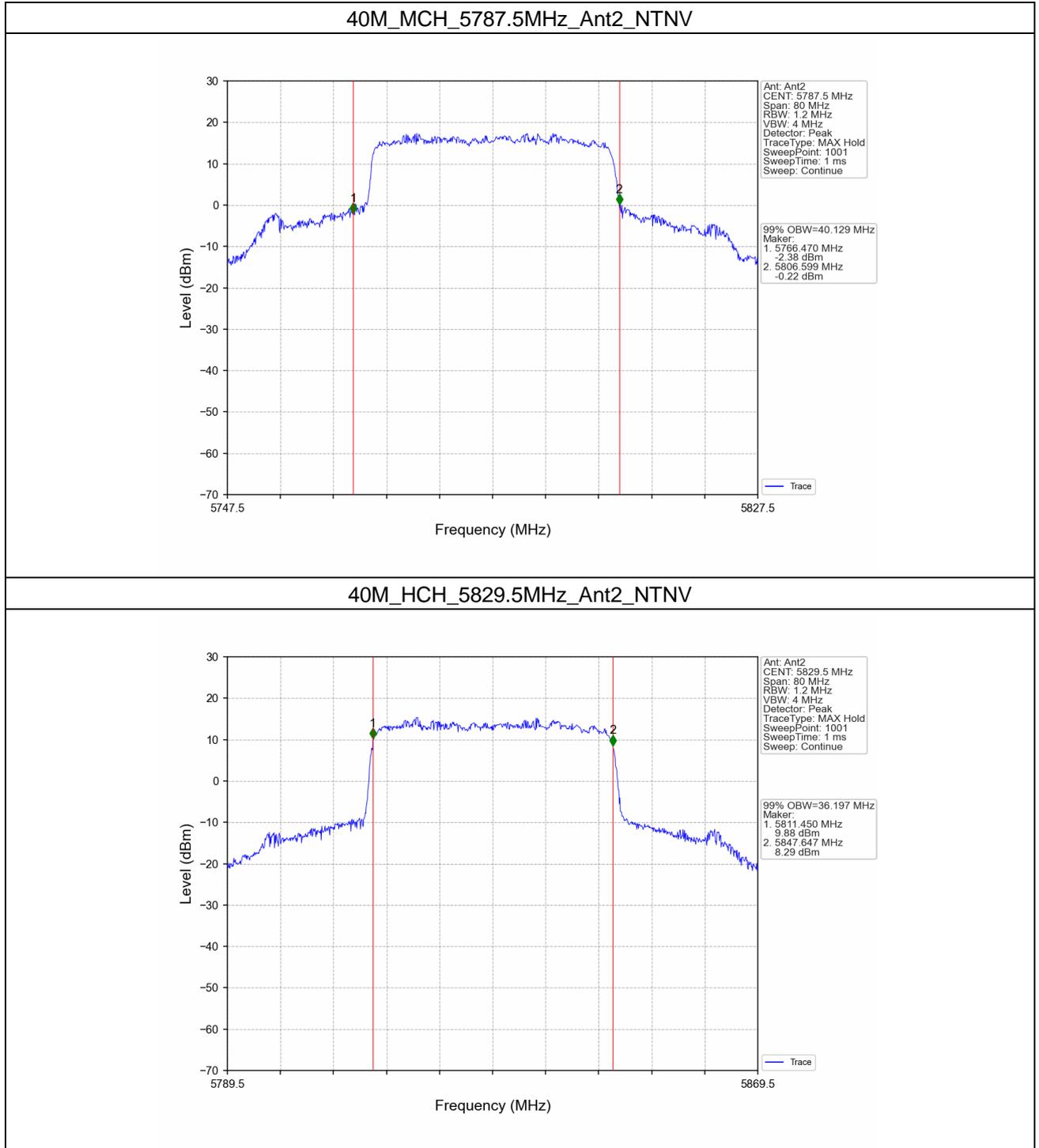












2.2 6dB BW

2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	ANT	6dB Bandwidth (MHz)		Verdict
				Result	Limit	
1.4M	MIMO	5728.5	2	1.125	>=0.5	Pass
		5786.5	2	1.134	>=0.5	Pass
		5846.12	2	1.137	>=0.5	Pass
3M	MIMO	5727.5	2	2.197	>=0.5	Pass
		5784.5	2	2.194	>=0.5	Pass
		5847.2	2	2.198	>=0.5	Pass
5M	MIMO	5732.5	2	4.367	>=0.5	Pass
		5782.5	2	4.352	>=0.5	Pass
		5842.5	2	4.363	>=0.5	Pass
10M	MIMO	5730.5	2	9.041	>=0.5	Pass
		5787.5	2	9.038	>=0.5	Pass
		5844.5	2	9.042	>=0.5	Pass
20M	MIMO	5735.5	2	18.038	>=0.5	Pass
		5787.5	2	18.004	>=0.5	Pass
		5839.5	2	18.008	>=0.5	Pass
40M	MIMO	5745.5	2	36.051	>=0.5	Pass
		5787.5	2	36.025	>=0.5	Pass
		5829.5	2	36.047	>=0.5	Pass



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### 2.2.2 Test Graph

