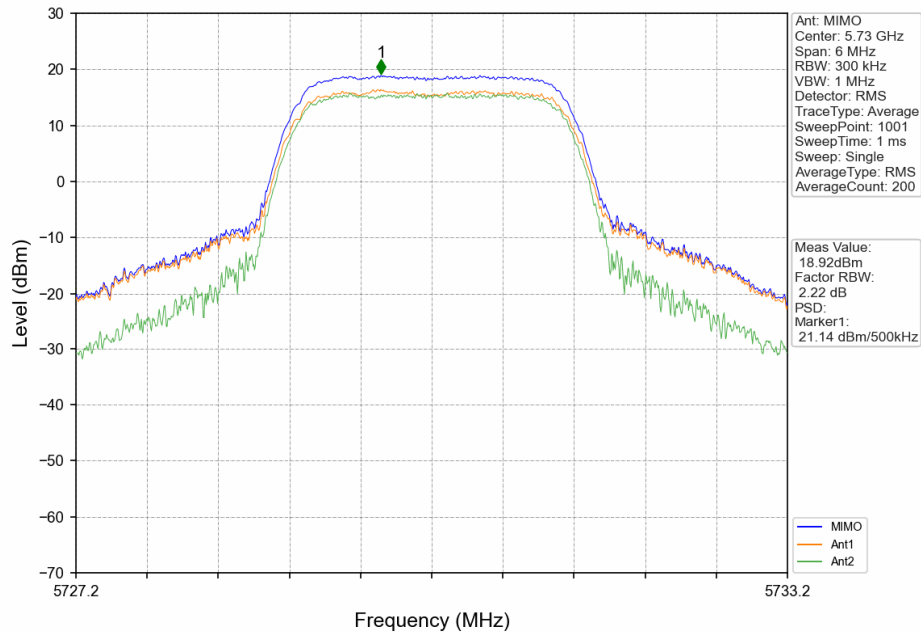
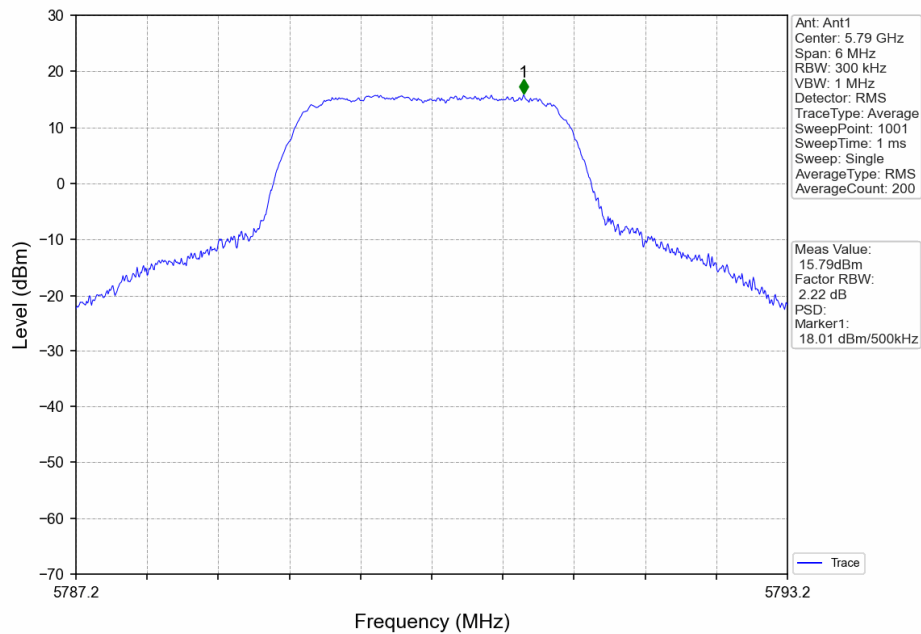


1_LCH_5730.2MHz_MIMO_NTNV



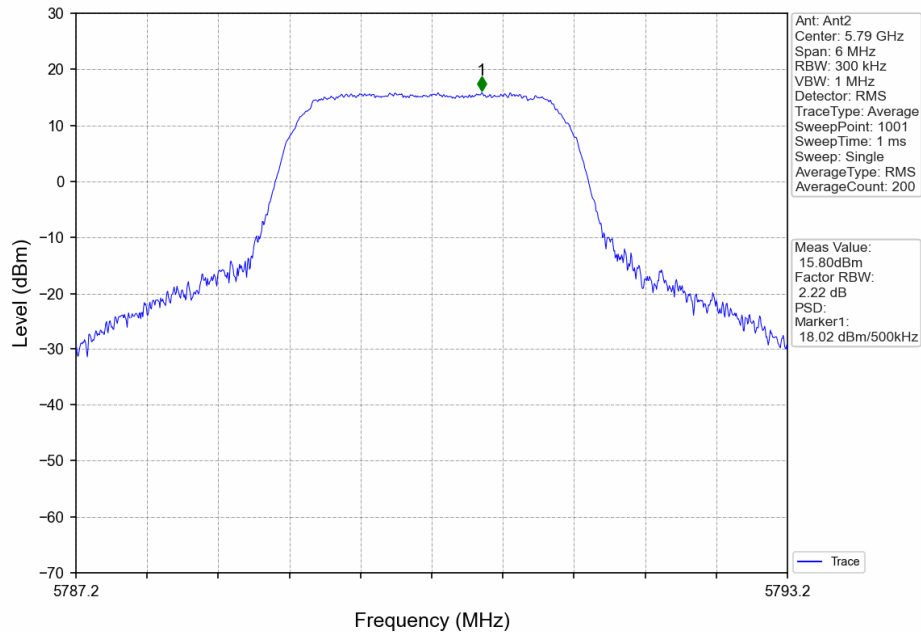
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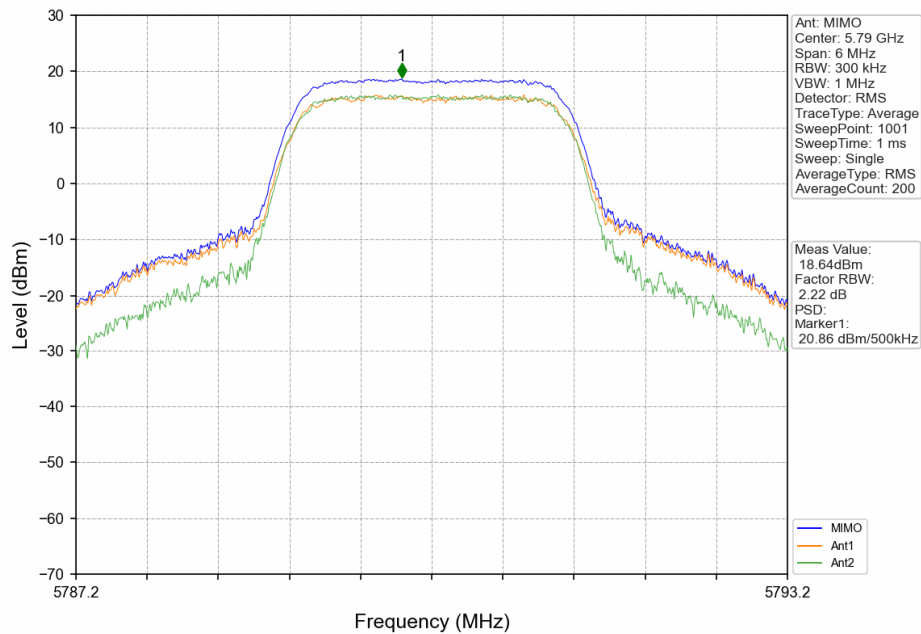
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1_MCH_5790.2MHz_Ant2_NTNV



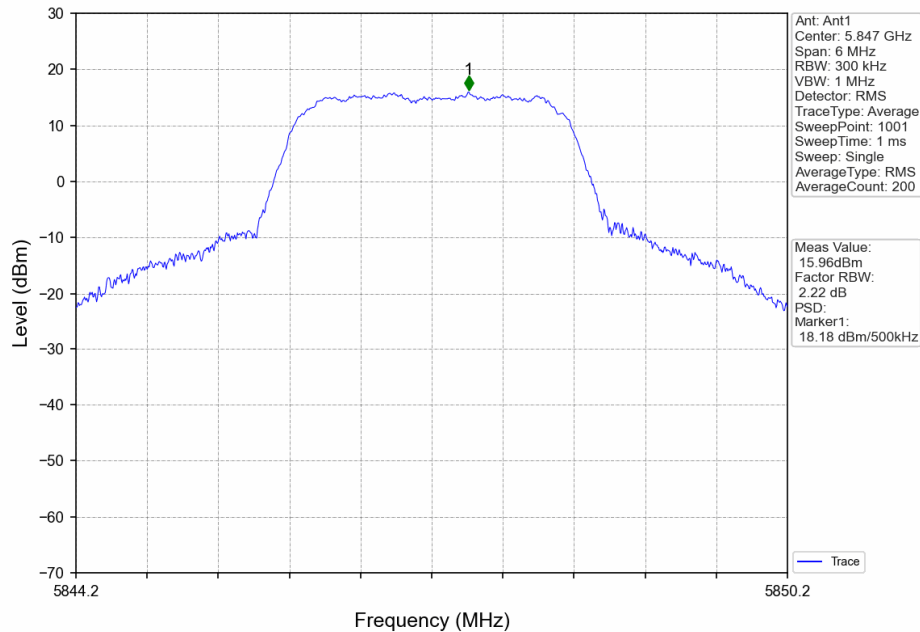
1_MCH_5790.2MHz_MIMO_NTNV



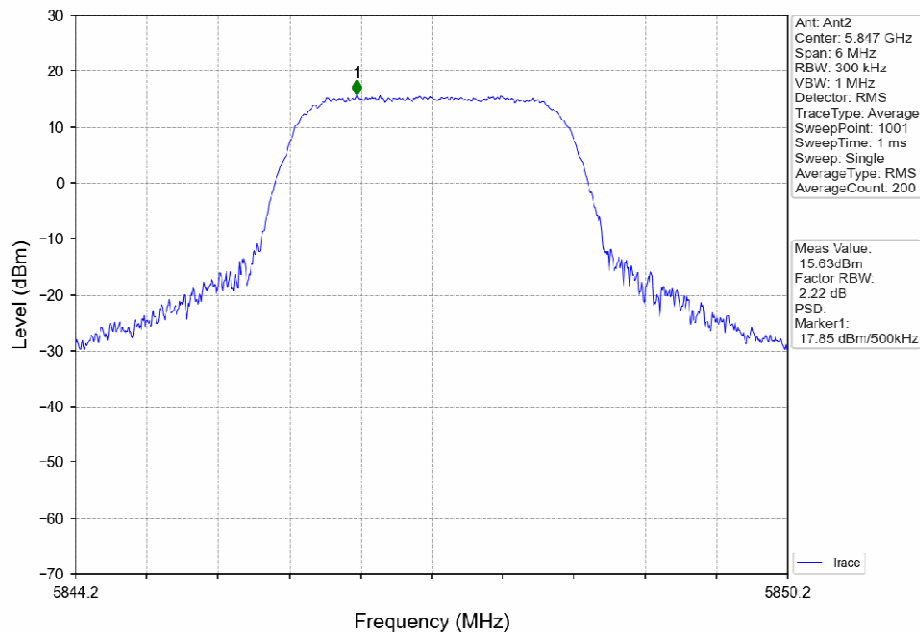
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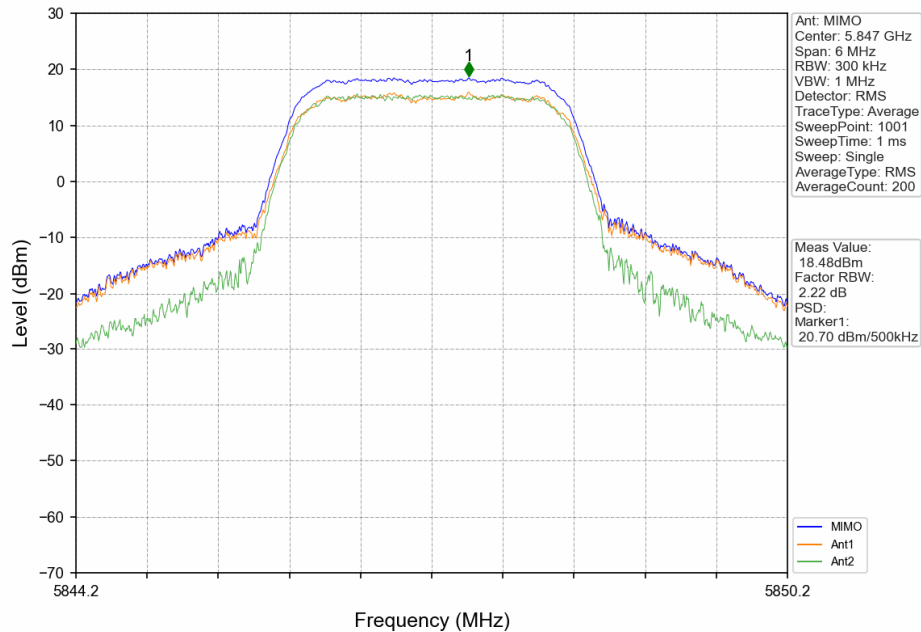
1_HCH_5847.2MHz_Ant1_NTNV



1_HCH_5847.2MHz_Ant2_NTNV



1_HCH_5847.2MHz_MIMO_NTNV



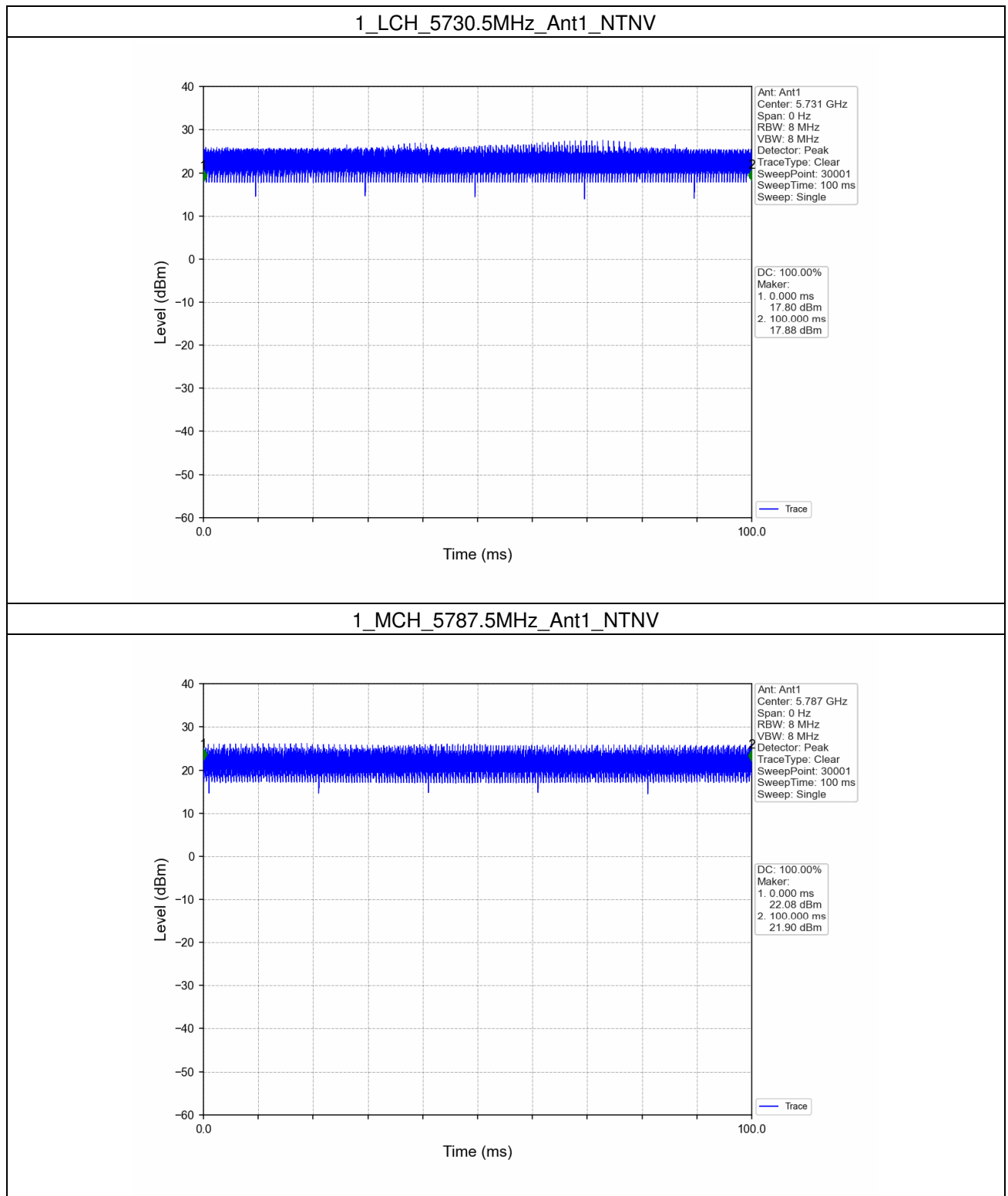
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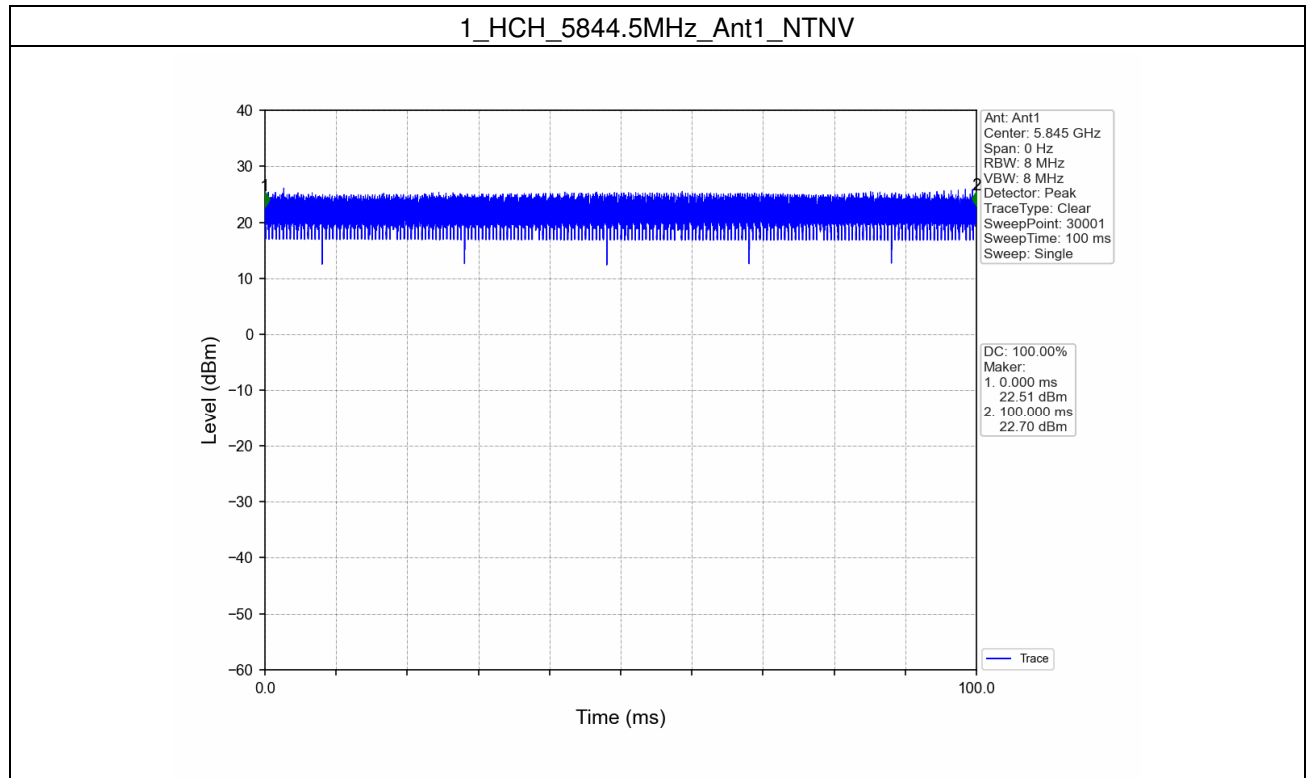
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MIMO Mode, 10MHz BW**1. Duty Cycle****1.1 Ant1****1.1.1 Test Result**

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1	MIMO	5730.5	100.00	100.00	100.00	0.00	0.00
		5787.5	100.00	100.00	100.00	0.00	0.00
		5844.5	100.00	100.00	100.00	0.00	0.00

1.1.2 Test Graph





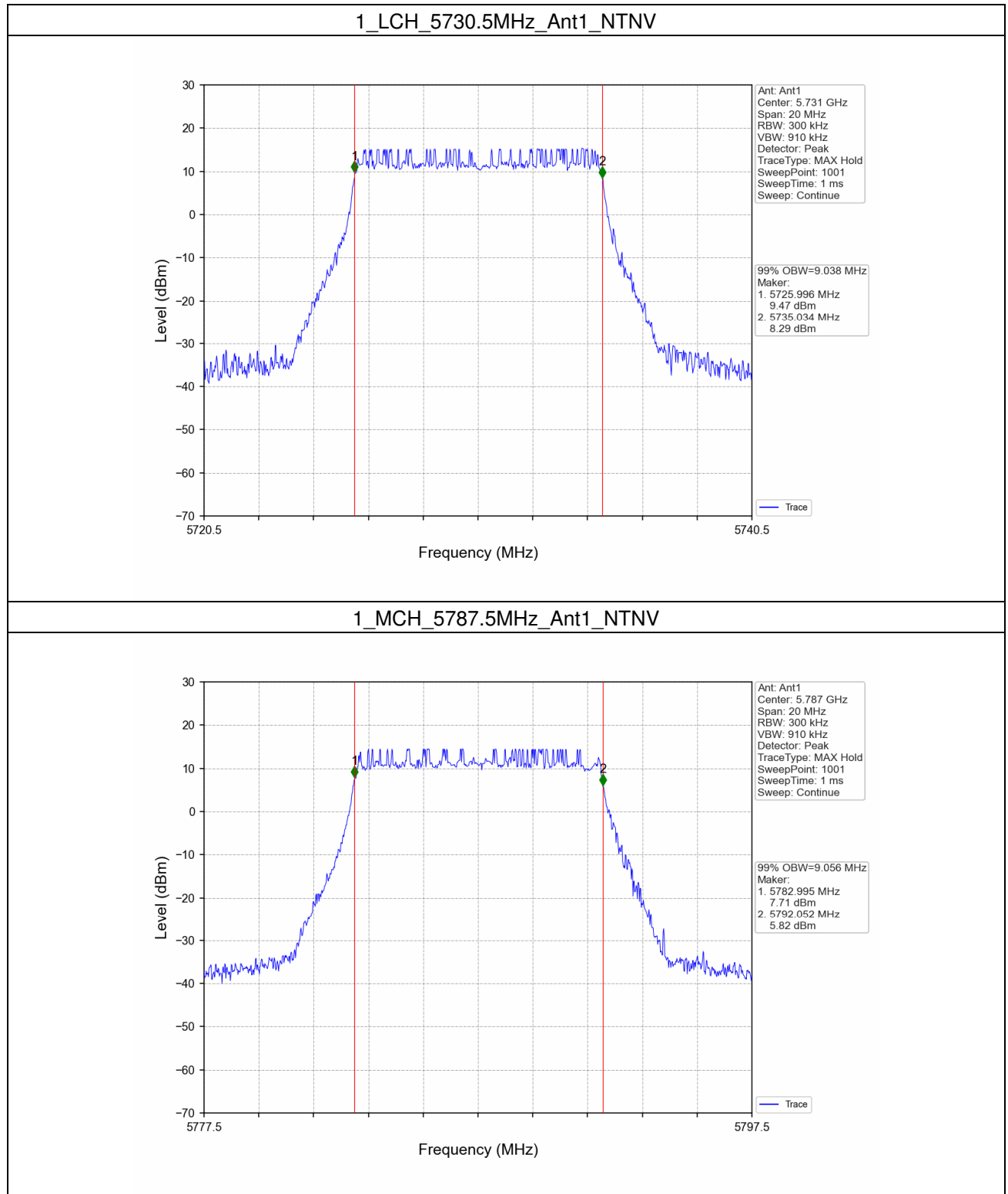
2. Bandwidth

2.1 OBW

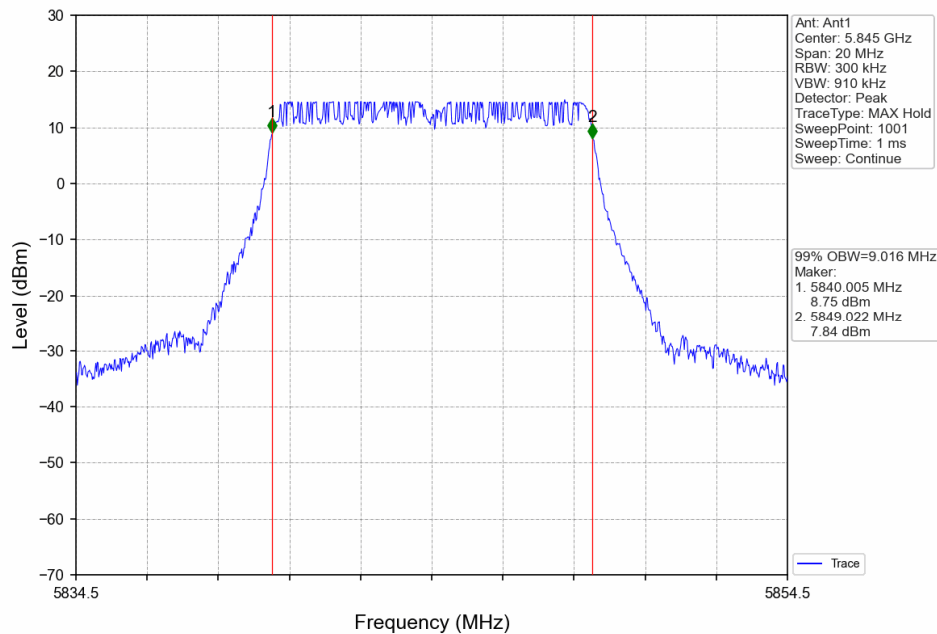
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
1	MIMO	5730.5	1	9.04	/	Pass
		5787.5	1	9.06	/	Pass
		5844.5	1	9.02	/	Pass

2.1.2 Test Graph



1_HCH_5844.5MHz_Ant1_NTNV



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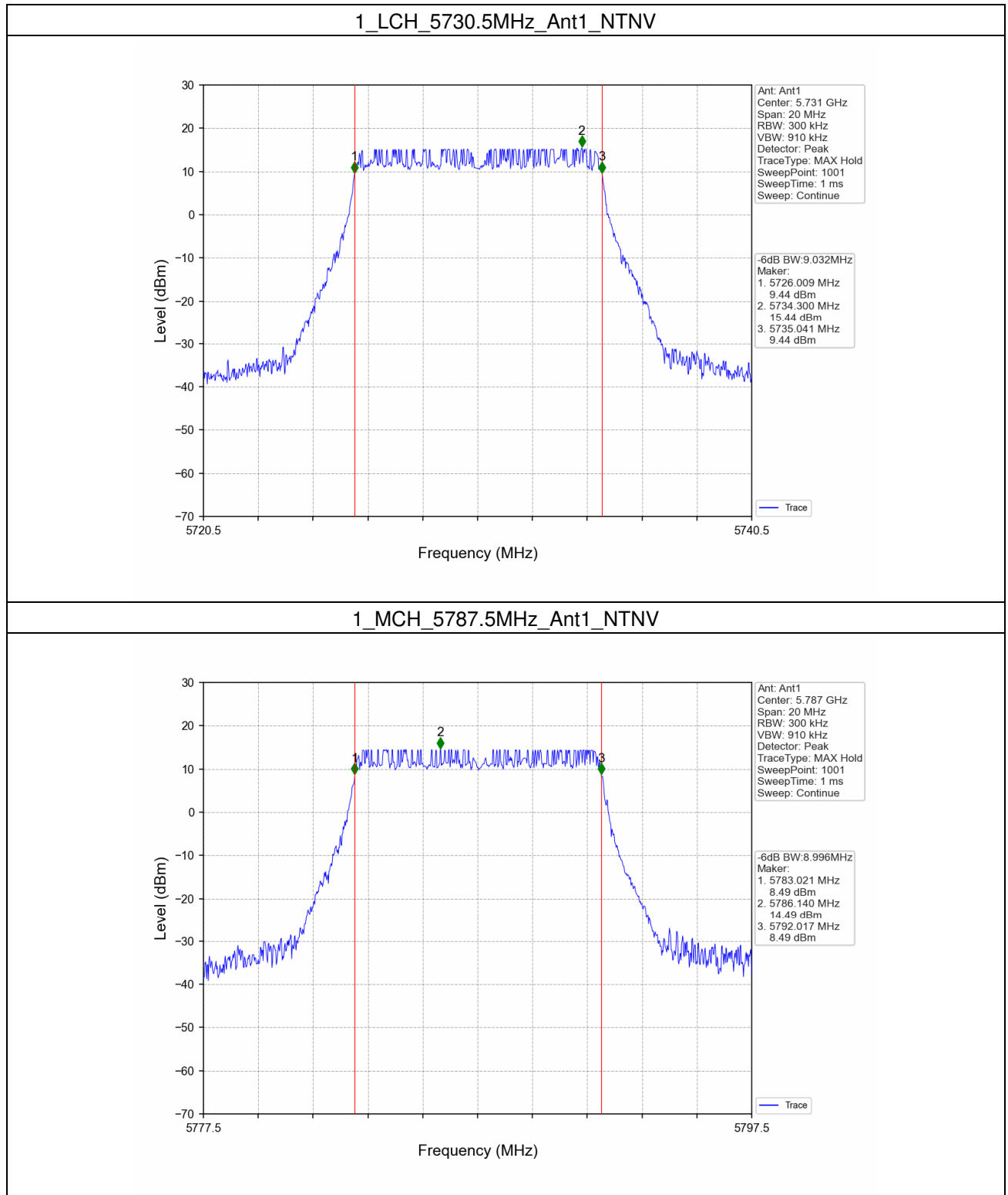
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2.2 6dB BW

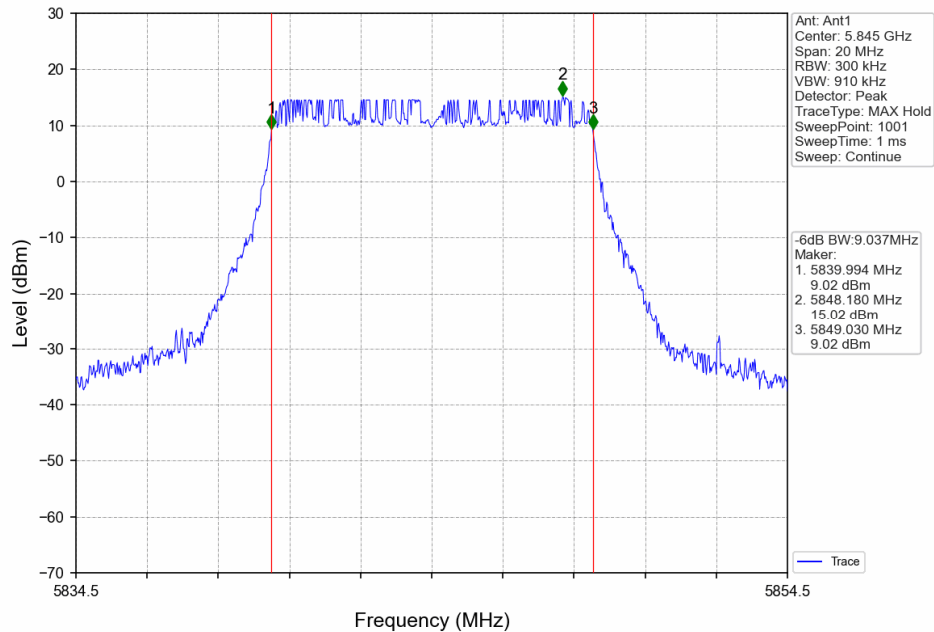
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
1	MIMO	5730.5	1	9.03	≥ 0.5	Pass
		5787.5	1	9.00	≥ 0.5	Pass
		5844.5	1	9.04	≥ 0.5	Pass

2.2.2 Test Graph



1_HCH_5844.5MHz_Ant1_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Sum		
1	MIMO	5730.5	17.08	16.49	19.81	<=29.24	Pass
		5787.5	16.36	16.15	19.27	<=29.24	Pass
		5844.5	16.45	16.46	19.47	<=29.24	Pass

Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 4.00dBi;

Note2: Directional Gain= $10\log [(10^{G1/20} + 10^{G2/20})^2/N_{ANT}] = 10\log [(10^{3.50/20} + 10^{4.00/20})^2/2] = 6.76\text{dBi}$

4. Maximum Power Spectral Density

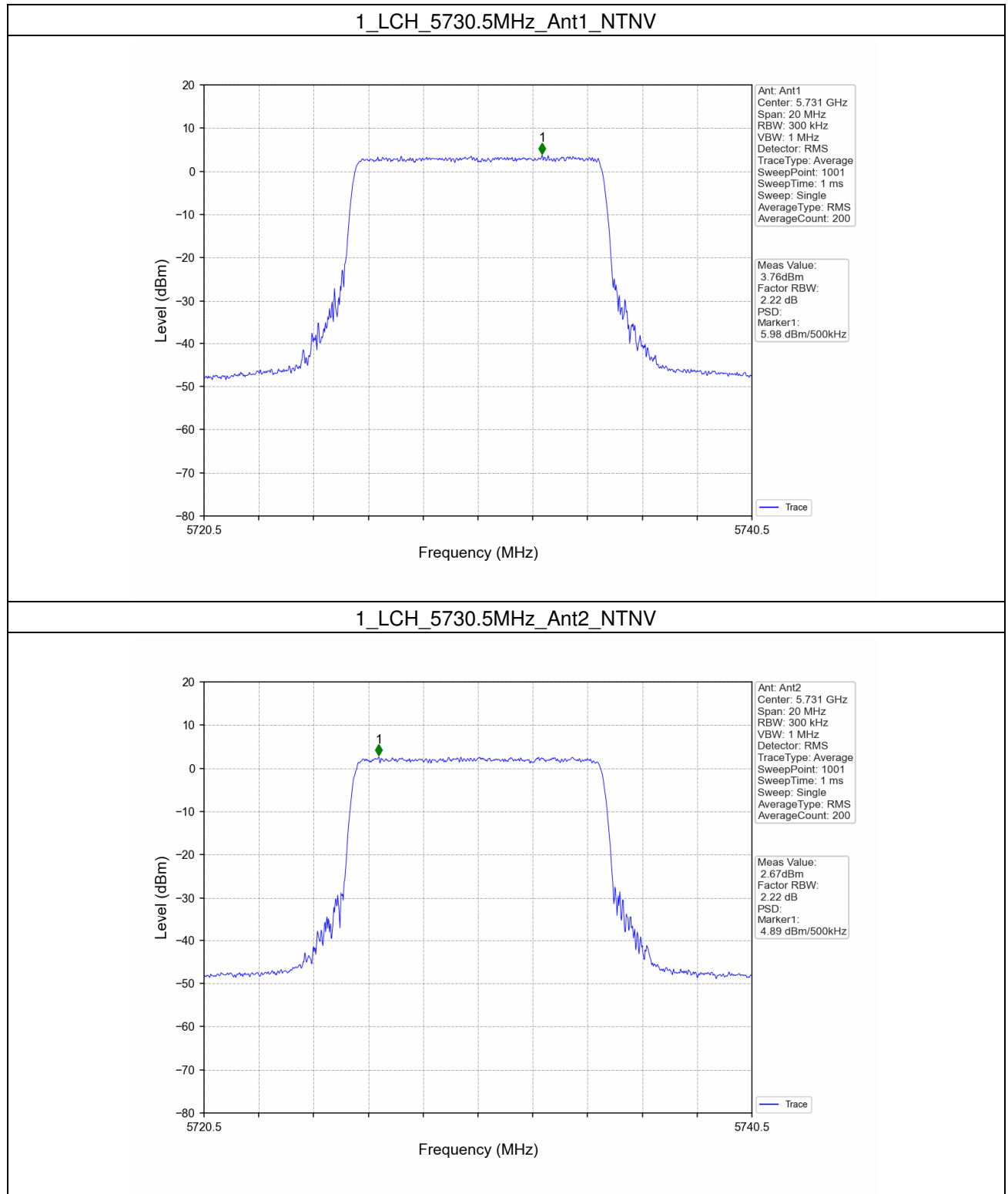
4.1 PSD

4.1.1 Test Result

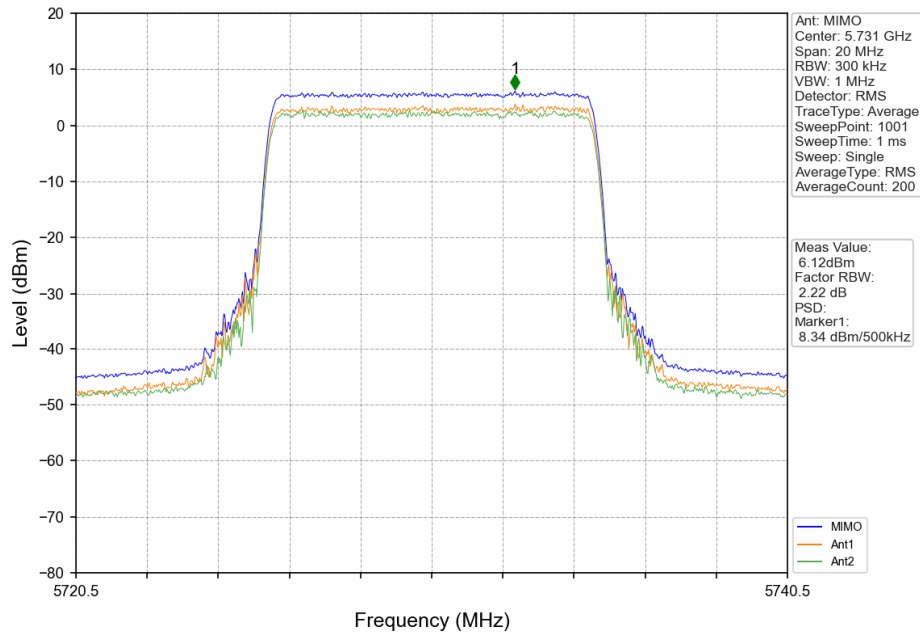
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Limit (dBm/500kHz)	Verdict
			Ant1	Ant2	Sum		
1	MIMO	5730.5	5.98	4.89	8.34	<=29.24	Pass
		5787.5	5.45	4.62	7.82	<=29.24	Pass
		5844.5	5.35	4.91	7.84	<=29.24	Pass

Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 4.00dBi;
Note2: Directional Gain= $10\log [(10^{G1/20} + 10^{G2/20})^2/N_{ANT}] = 10\log [(10^{3.50/20} + 10^{4.00/20})^2/2] = 6.76\text{dBi}$.

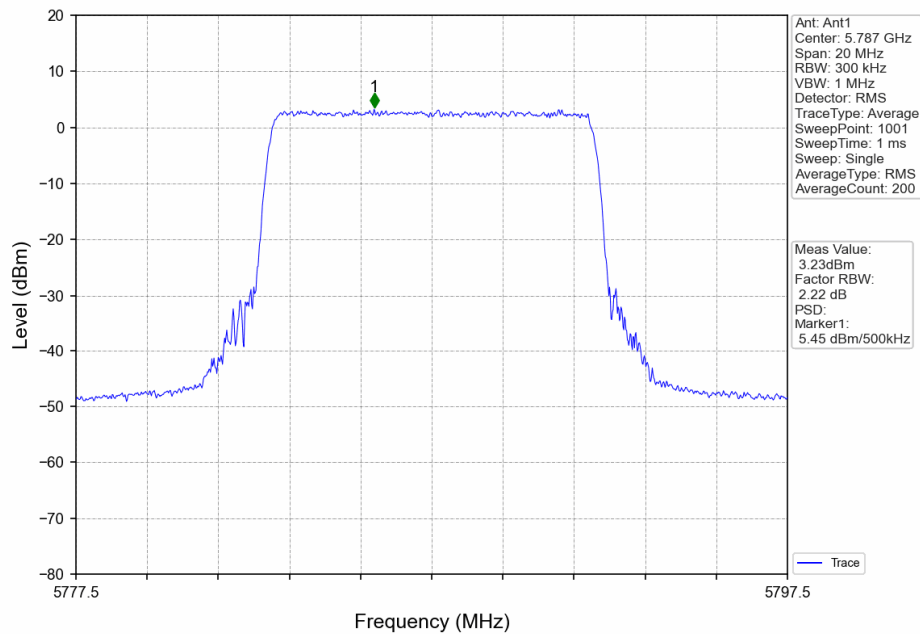
4.1.2 Test Graph



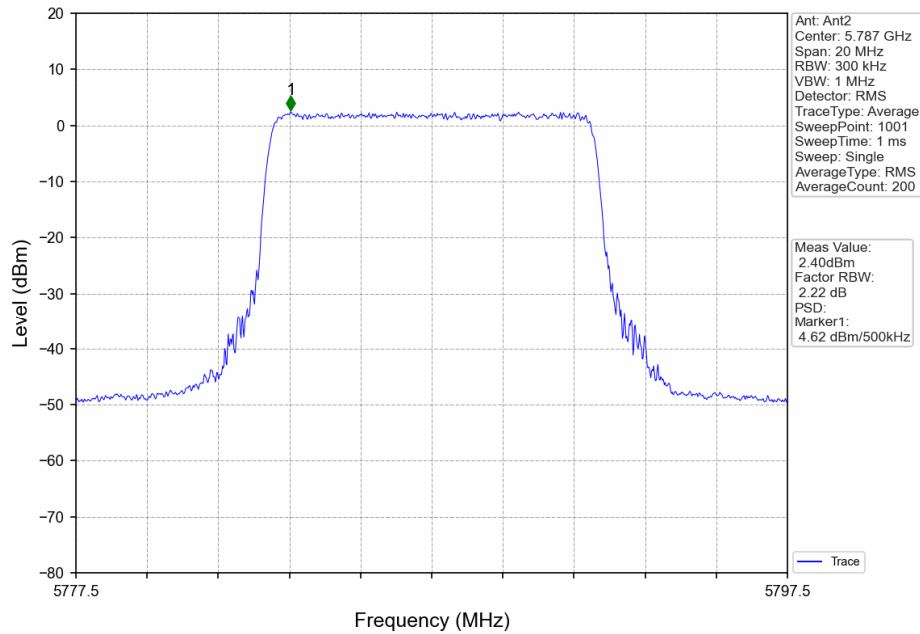
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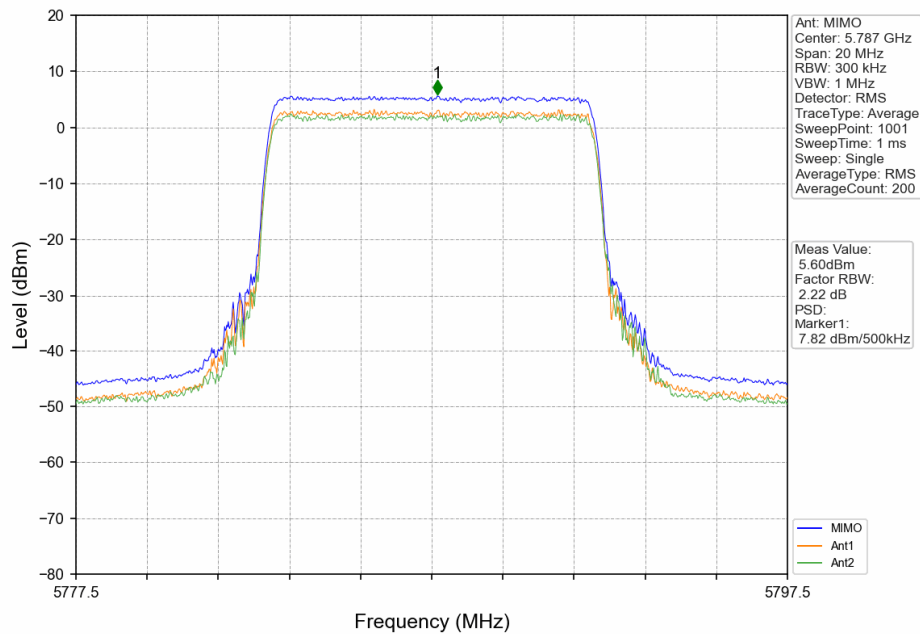
1_MCH_5787.5MHz_Ant1_NTNV



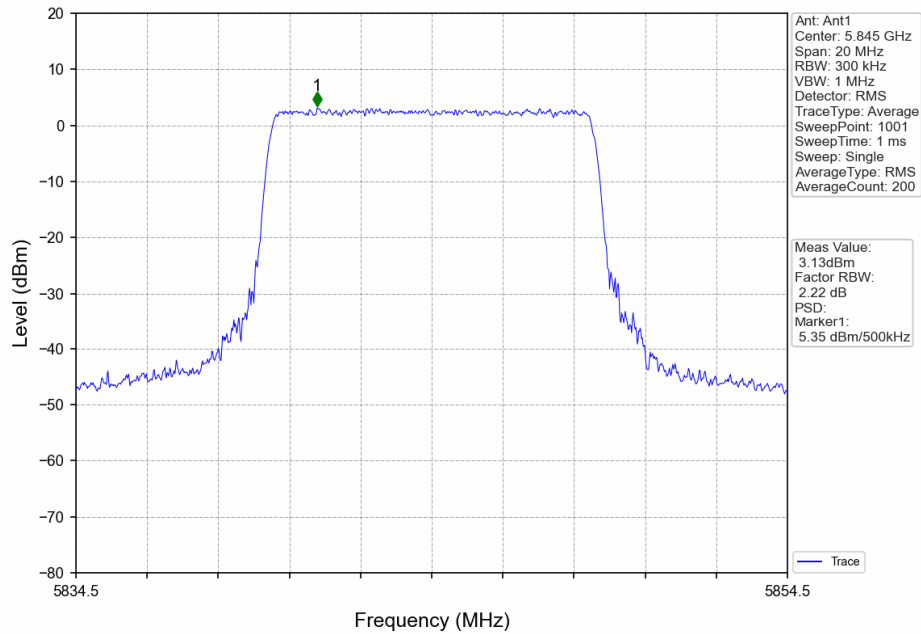
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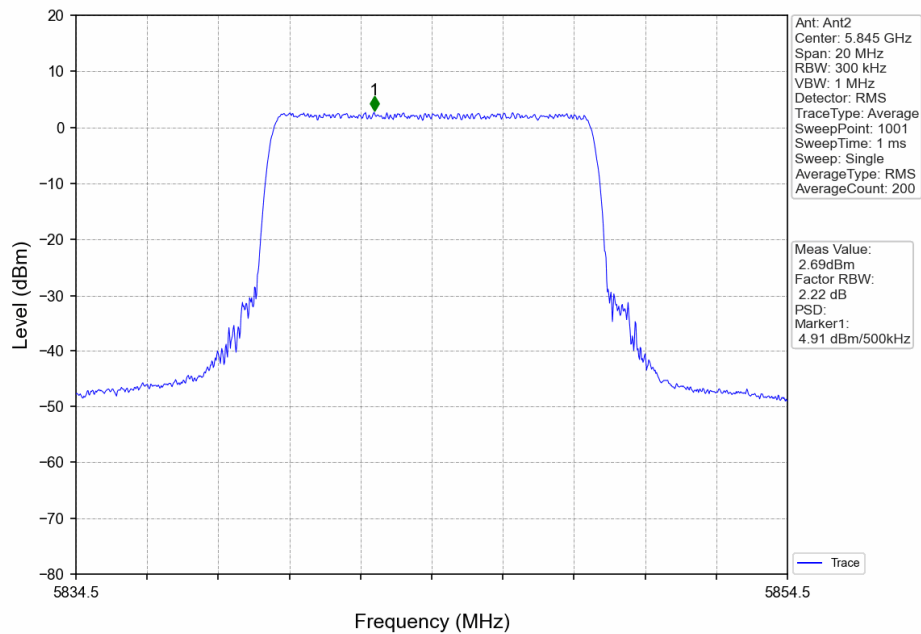
1_MCH_5787.5MHz_MIMO_NTNV



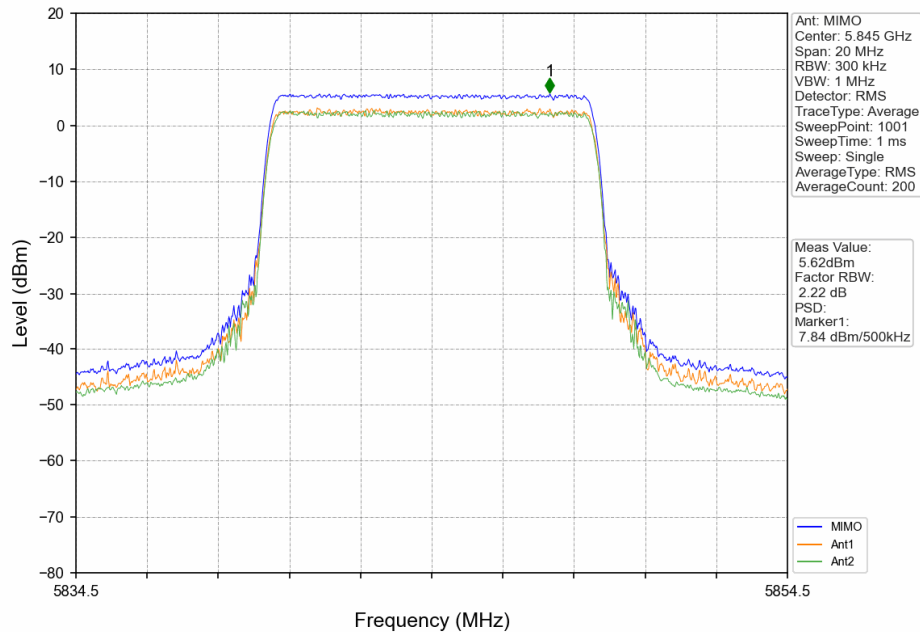
1_HCH_5844.5MHz_Ant1_NTNV



1_HCH_5844.5MHz_Ant2_NTNV



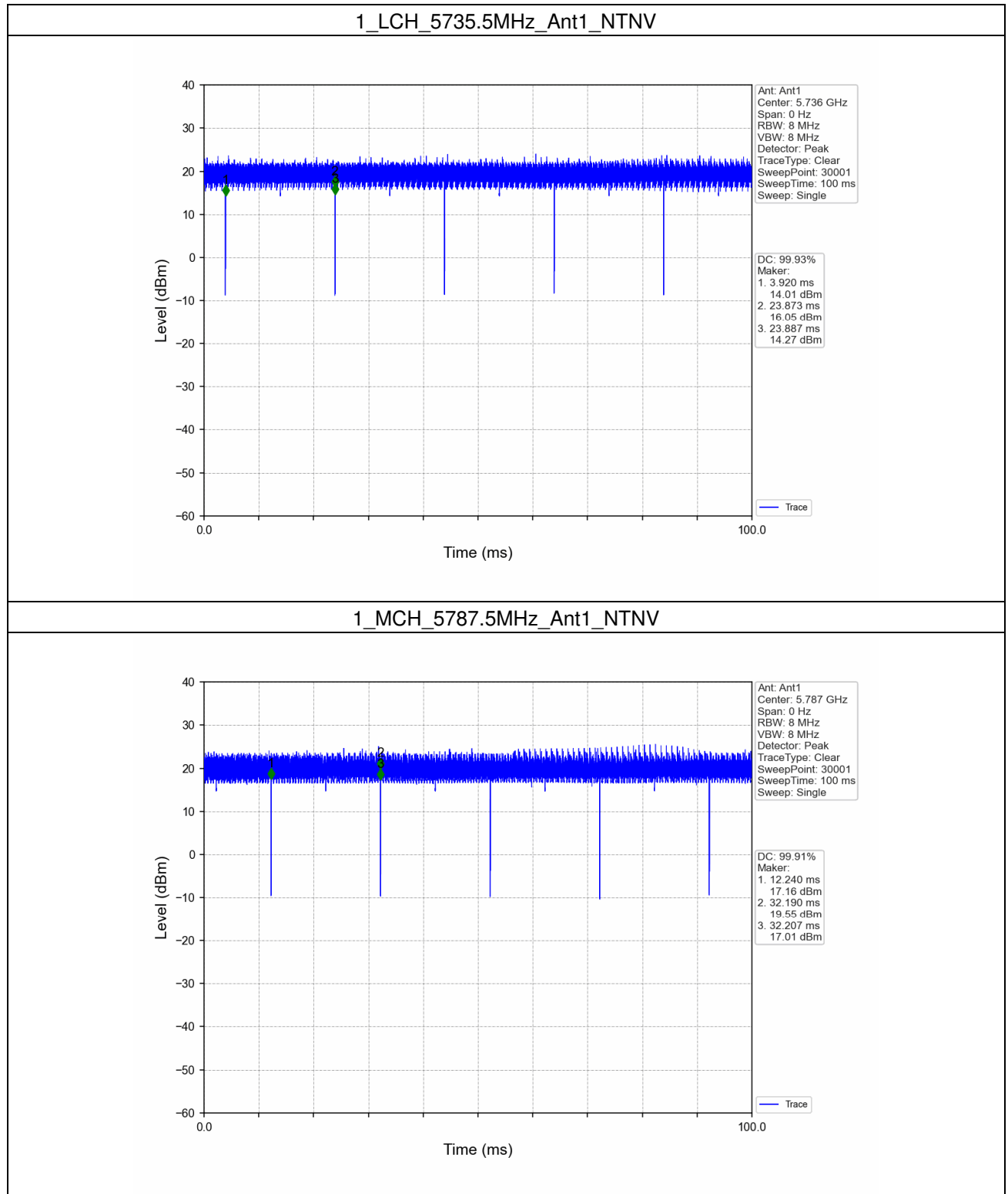
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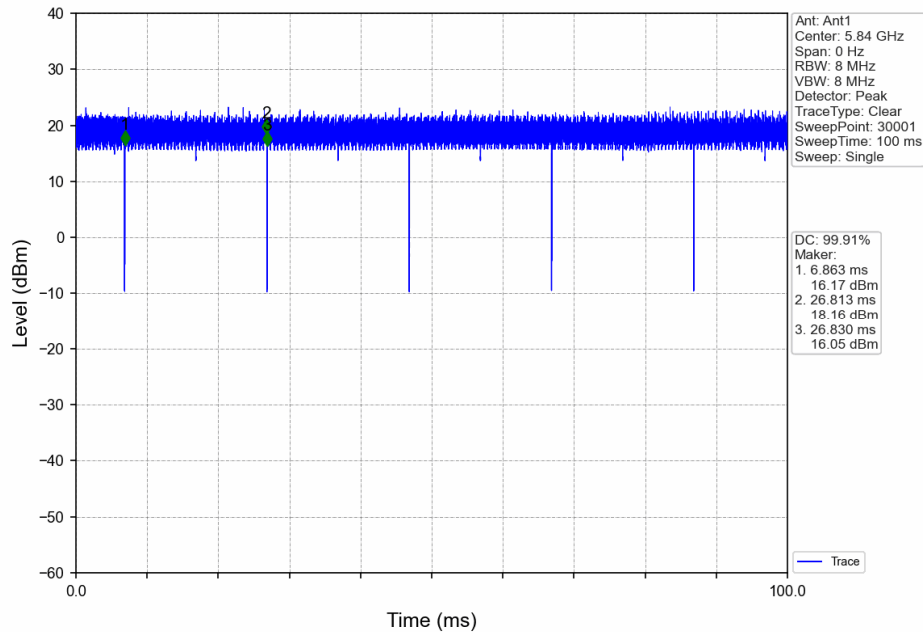
MIMO Mode, 20MHz BW**1. Duty Cycle****1.1 Ant1****1.1.1 Test Result**

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1	MIMO	5735.5	19.95	19.97	99.93	0.00	0.00
		5787.5	19.95	19.97	99.91	0.00	0.00
		5839.5	19.95	19.97	99.91	0.00	0.00

1.1.2 Test Graph



1_HCH_5839.5MHz_Ant1_NTNV



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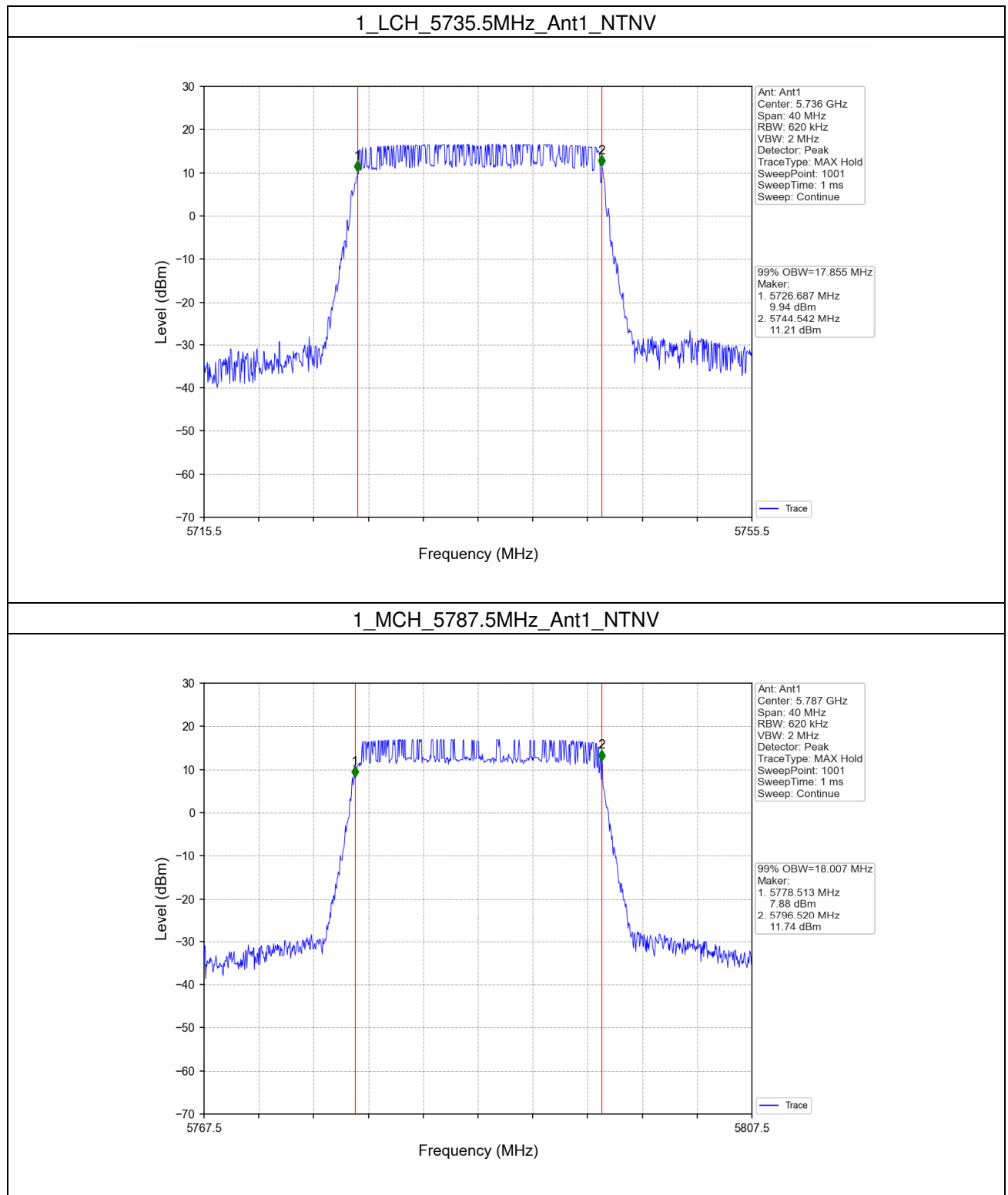
2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
1	MIMO	5735.5	1	17.86	/	Pass
		5787.5	1	18.01	/	Pass
		5839.5	1	18.05	/	Pass

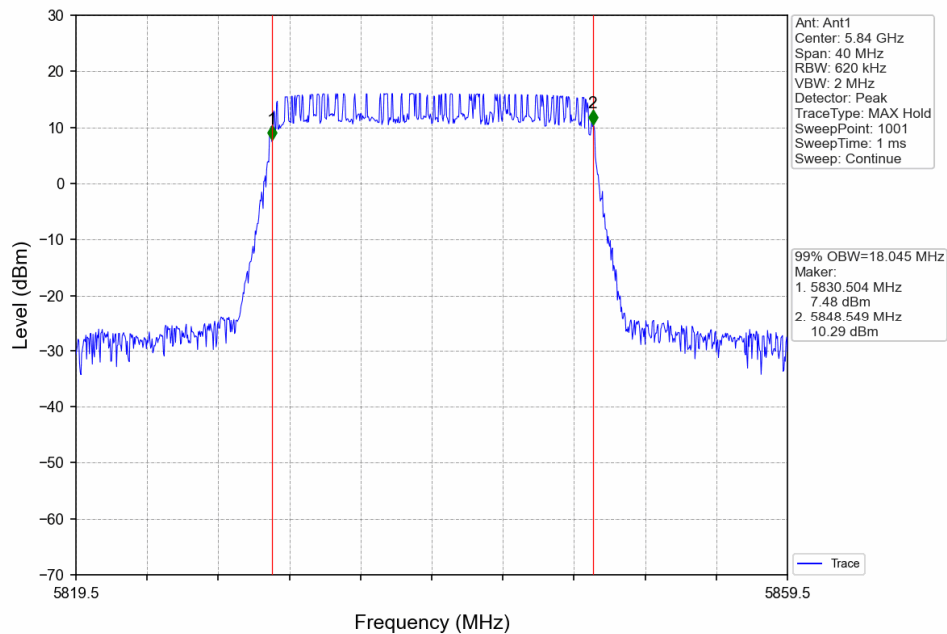
2.1.2 Test Graph



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1_HCH_5839.5MHz_Ant1_NTNV



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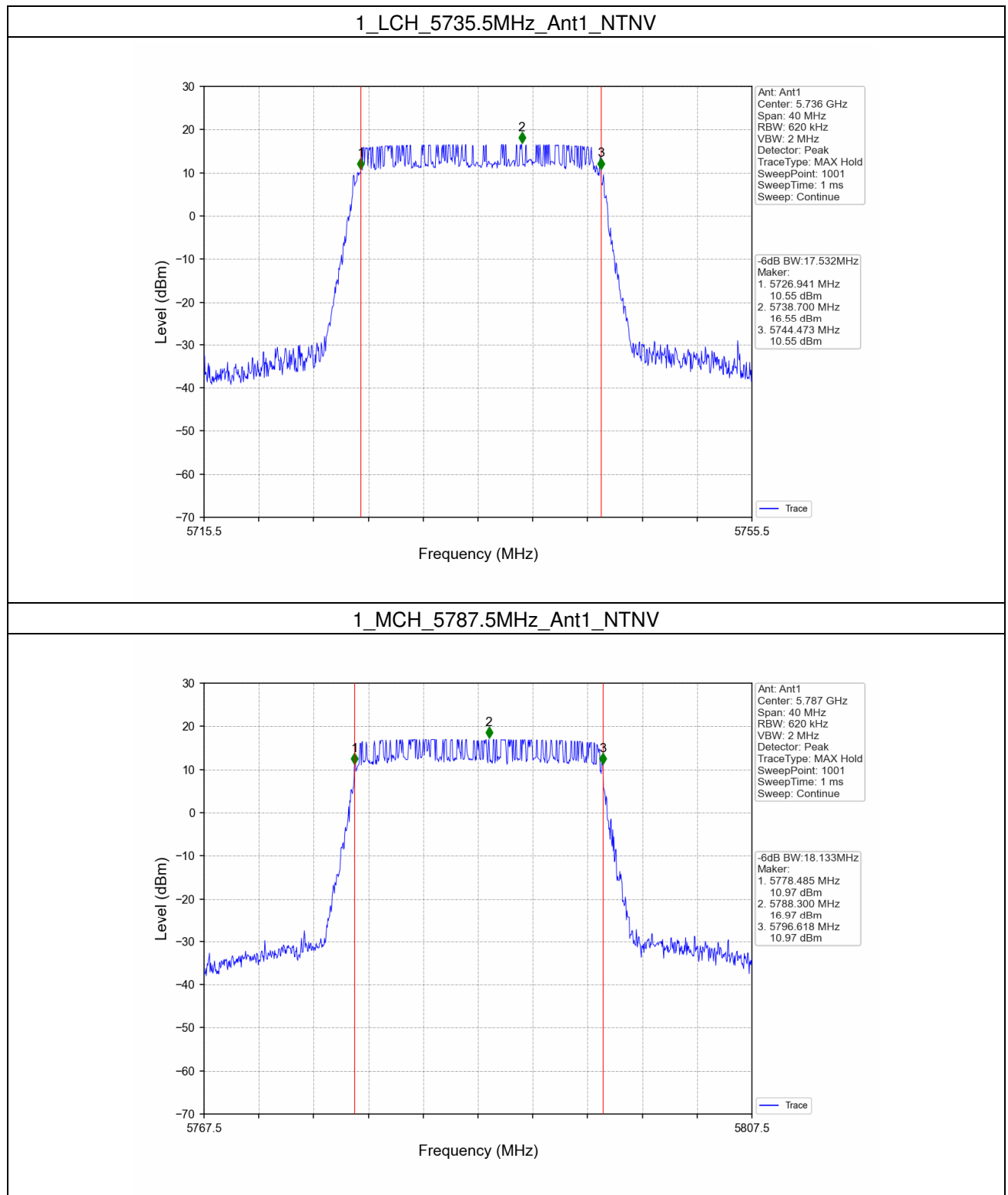
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2.2 6dB BW

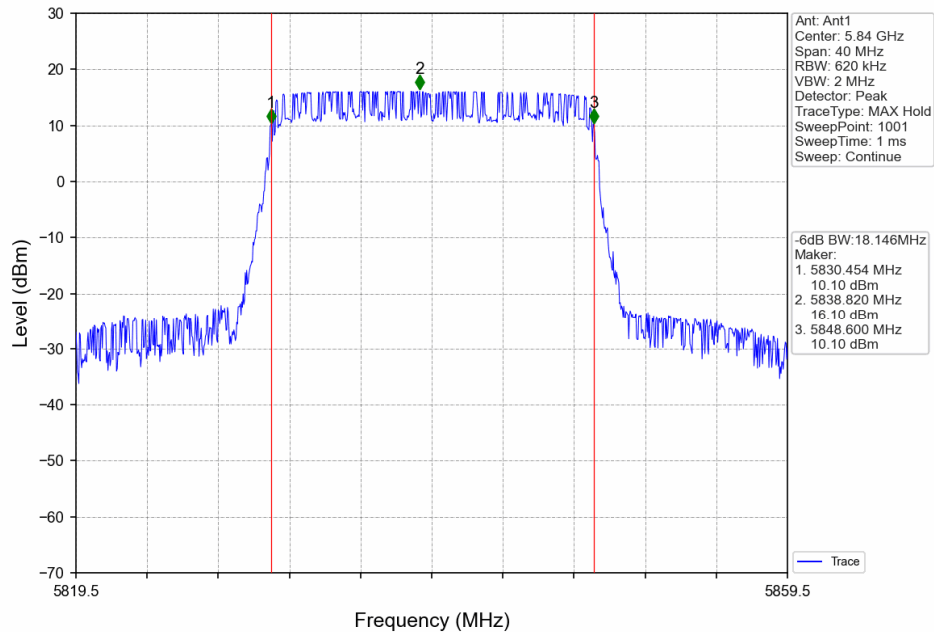
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
1	MIMO	5735.5	1	17.53	≥ 0.5	Pass
		5787.5	1	18.13	≥ 0.5	Pass
		5839.5	1	18.15	≥ 0.5	Pass

2.2.2 Test Graph



1_HCH_5839.5MHz_Ant1_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Sum		
1	MIMO	5735.5	16.83	15.70	19.31	<=29.24	Pass
		5787.5	17.26	16.52	19.92	<=29.24	Pass
		5839.5	16.35	16.48	19.43	<=29.24	Pass

Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 4.00dBi;

Note2: Directional Gain= $10\log [(10^{G1/20} + 10^{G2/20})^2/N_{ANT}] = 10\log [(10^{3.50/20} + 10^{4.00/20})^2/2] = 6.76\text{dBi}$



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4. Maximum Power Spectral Density

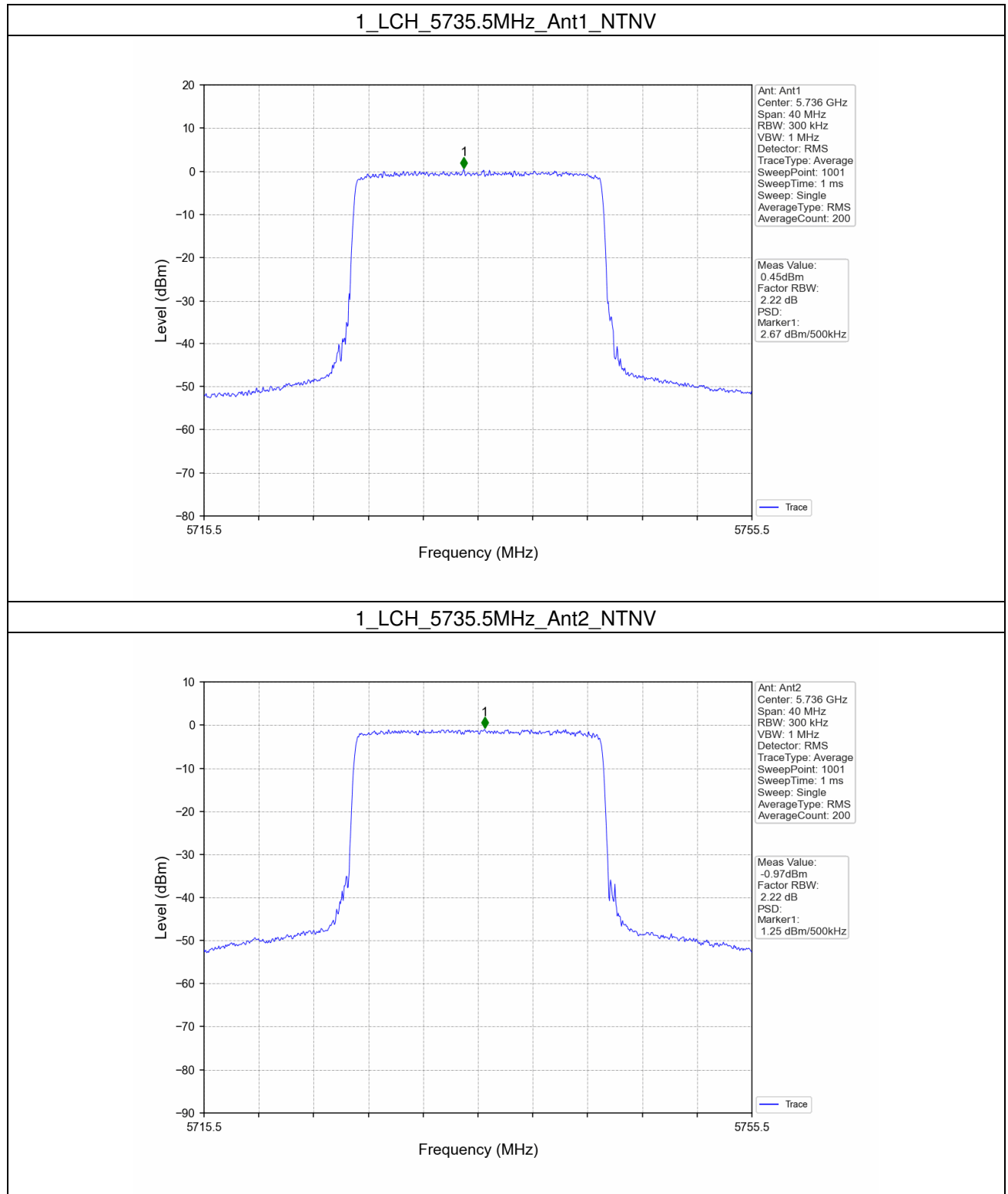
4.1 PSD

4.1.1 Test Result

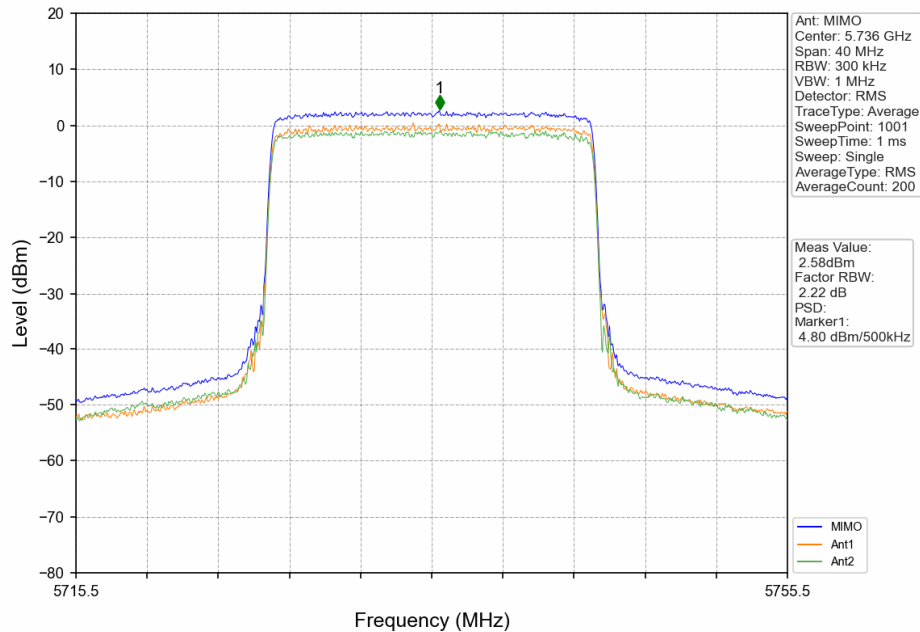
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Limit (dBm/500kHz)	Verdict
			Ant1	Ant2	Sum		
1	MIMO	5735.5	2.67	1.25	4.80	<=29.24	Pass
		5787.5	2.25	2.02	4.88	<=29.24	Pass
		5839.5	1.71	2.15	4.74	<=29.24	Pass

Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 4.00dBi;
Note2: Directional Gain= $10\log [(10^{G1/20} + 10^{G2/20})^2/N_{ANT}] = 10\log [(10^{3.50/20} + 10^{4.00/20})^2/2] = 6.76\text{dBi}$.

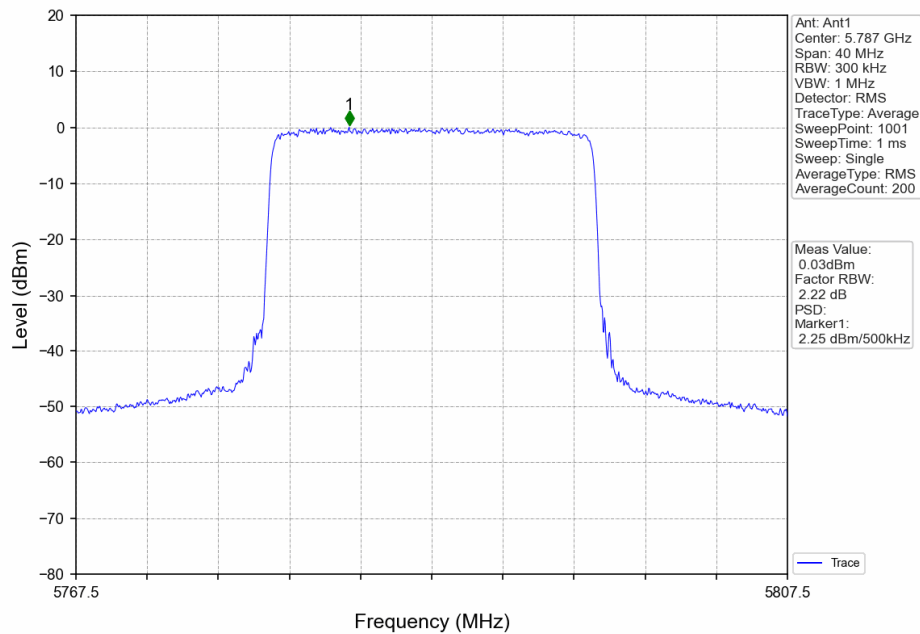
4.1.2 Test Graph



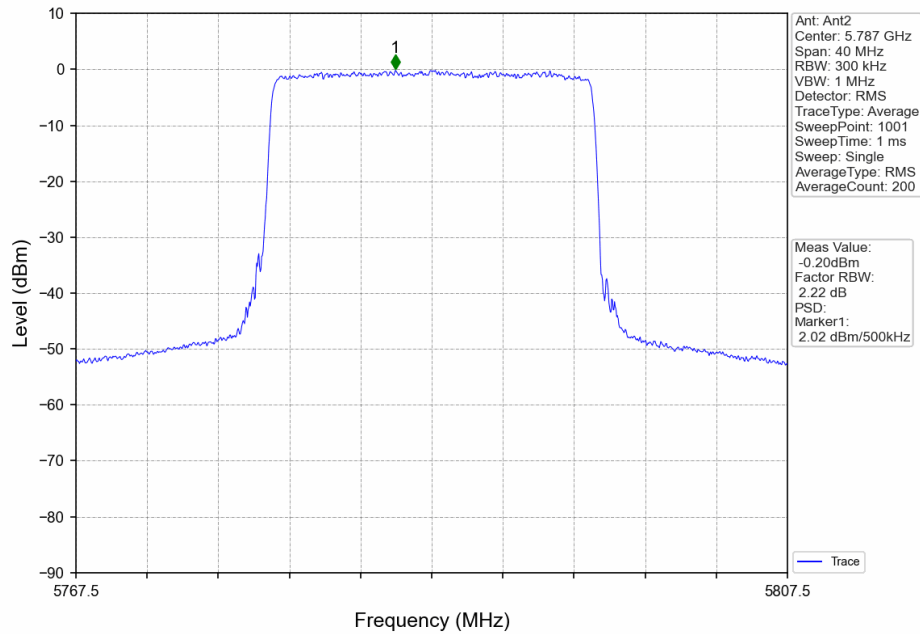
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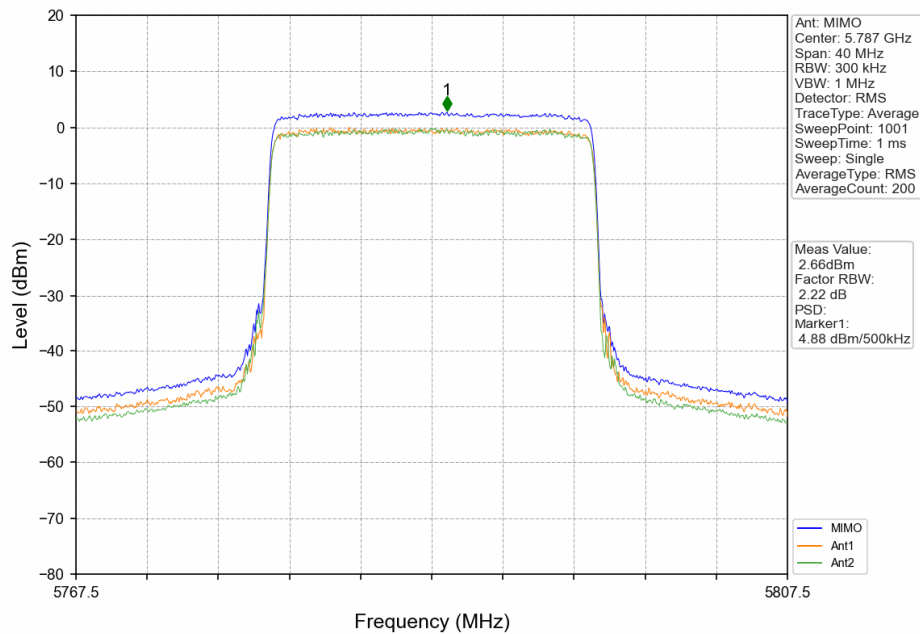
1_MCH_5787.5MHz_Ant1_NTNV



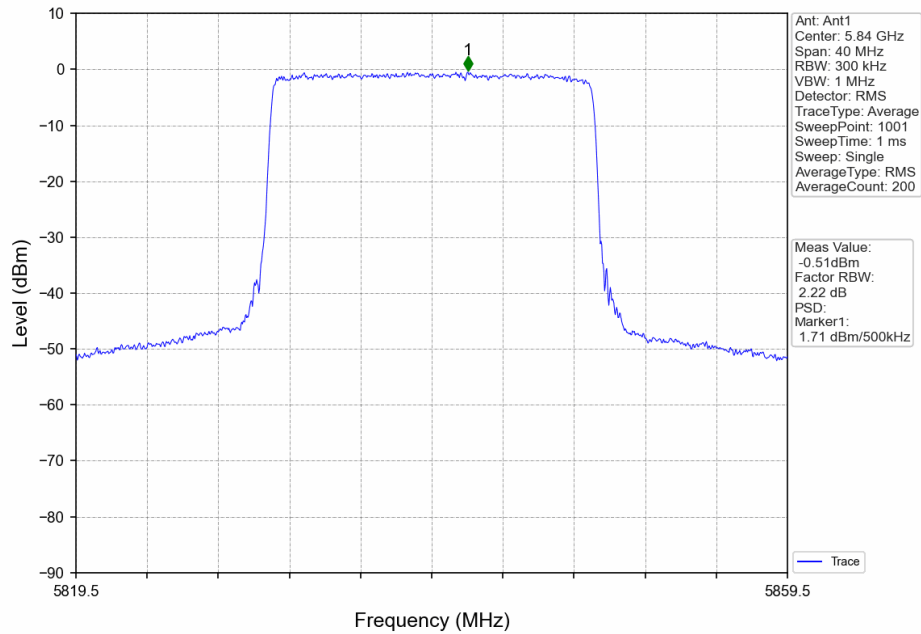
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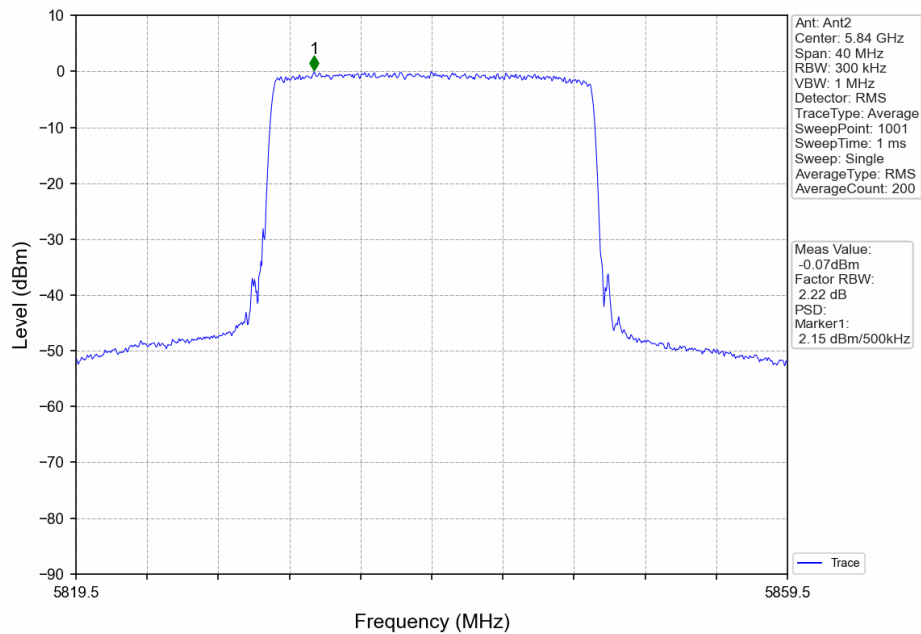
1_MCH_5787.5MHz_MIMO_NTNV



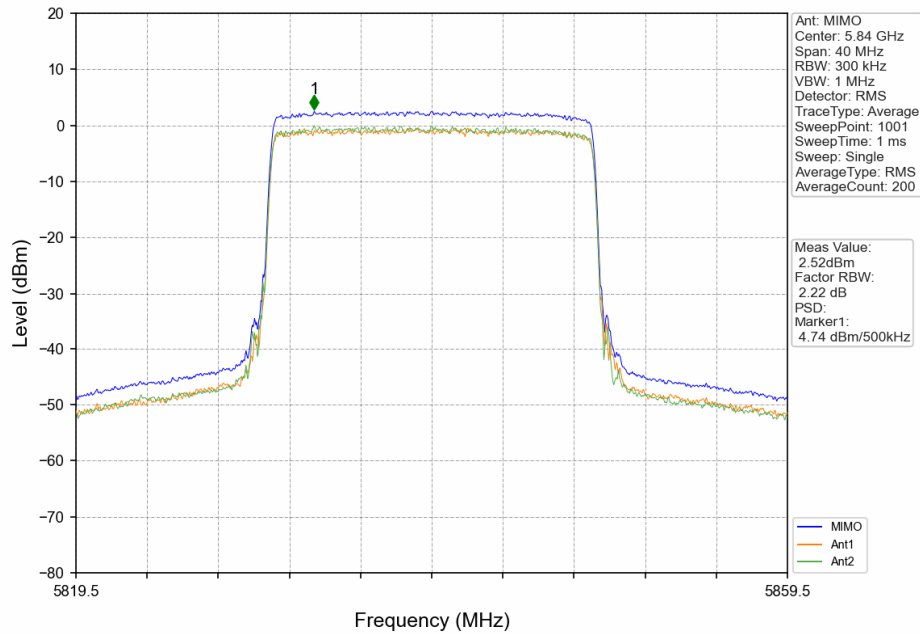
1_HCH_5839.5MHz_Ant1_NTNV



1_HCH_5839.5MHz_Ant2_NTNV



1_HCH_5839.5MHz_MIMO_NTNV



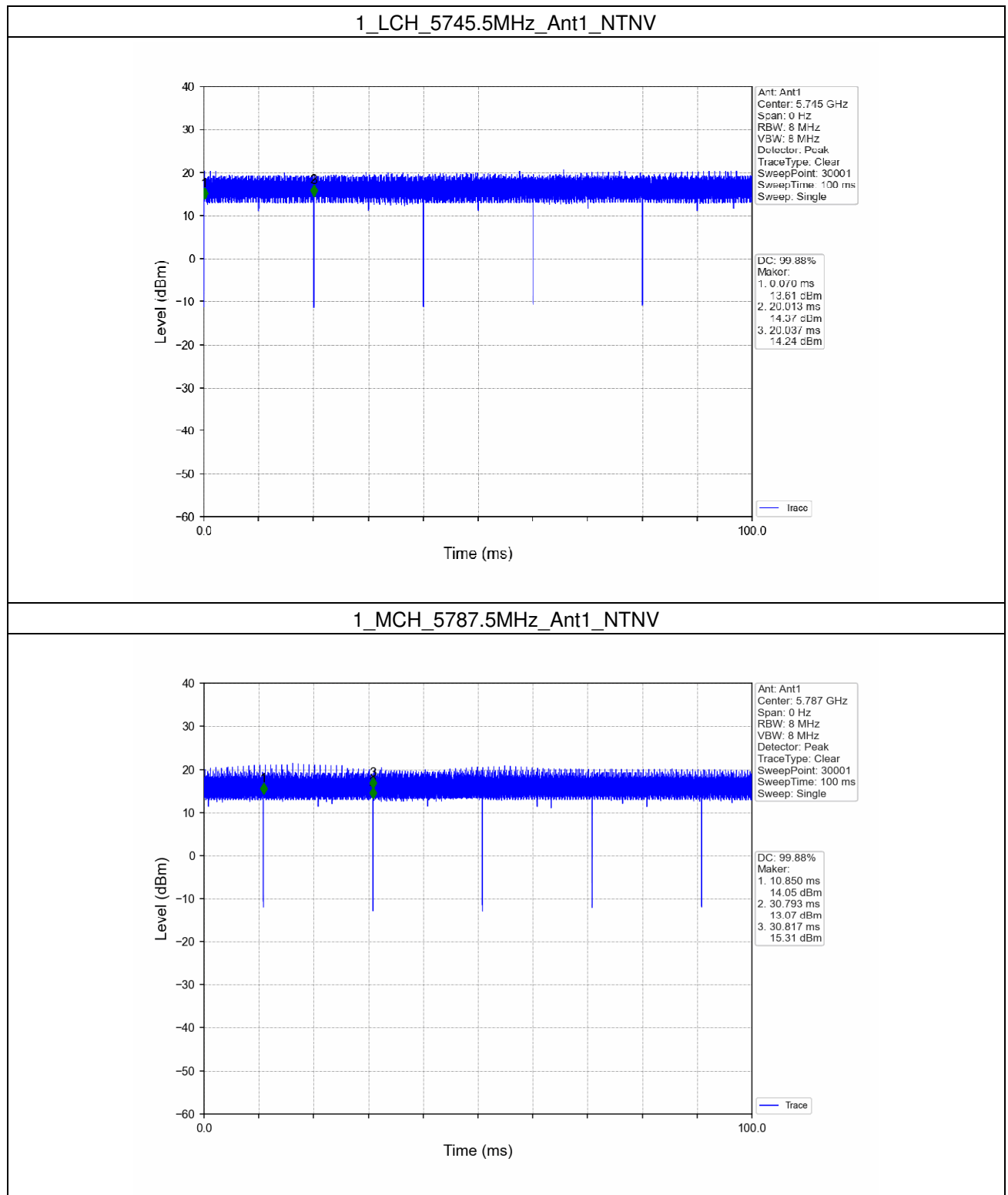
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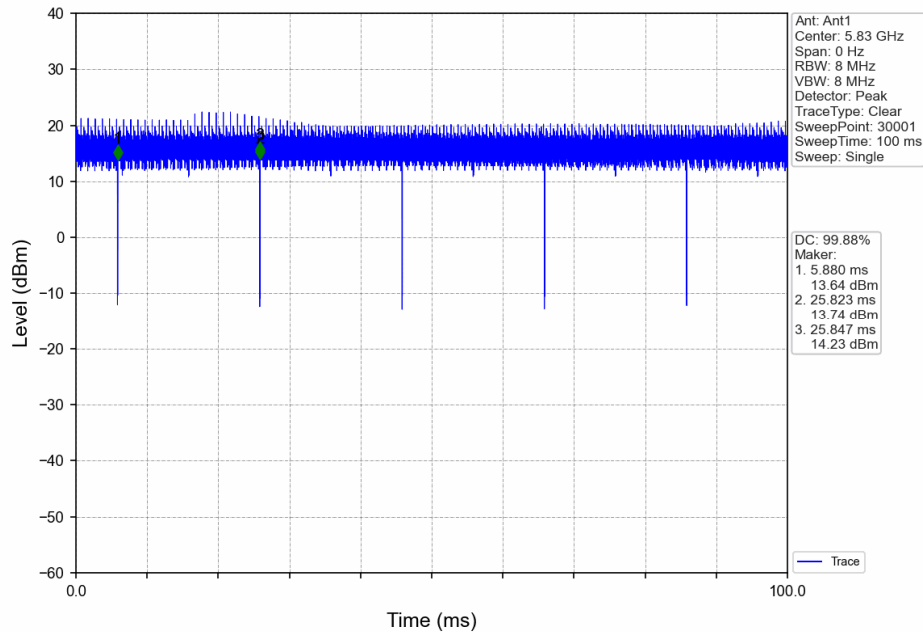
MIMO Mode, 40MHz BW**1. Duty Cycle****1.1 Ant1****1.1.1 Test Result**

Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1	MIMO	5745.5	19.94	19.97	99.88	0.01	0.00
		5787.5	19.94	19.97	99.88	0.01	0.00
		5829.5	19.94	19.97	99.88	0.01	0.00

1.1.2 Test Graph



1_HCH_5829.5MHz_Ant1_NTNV



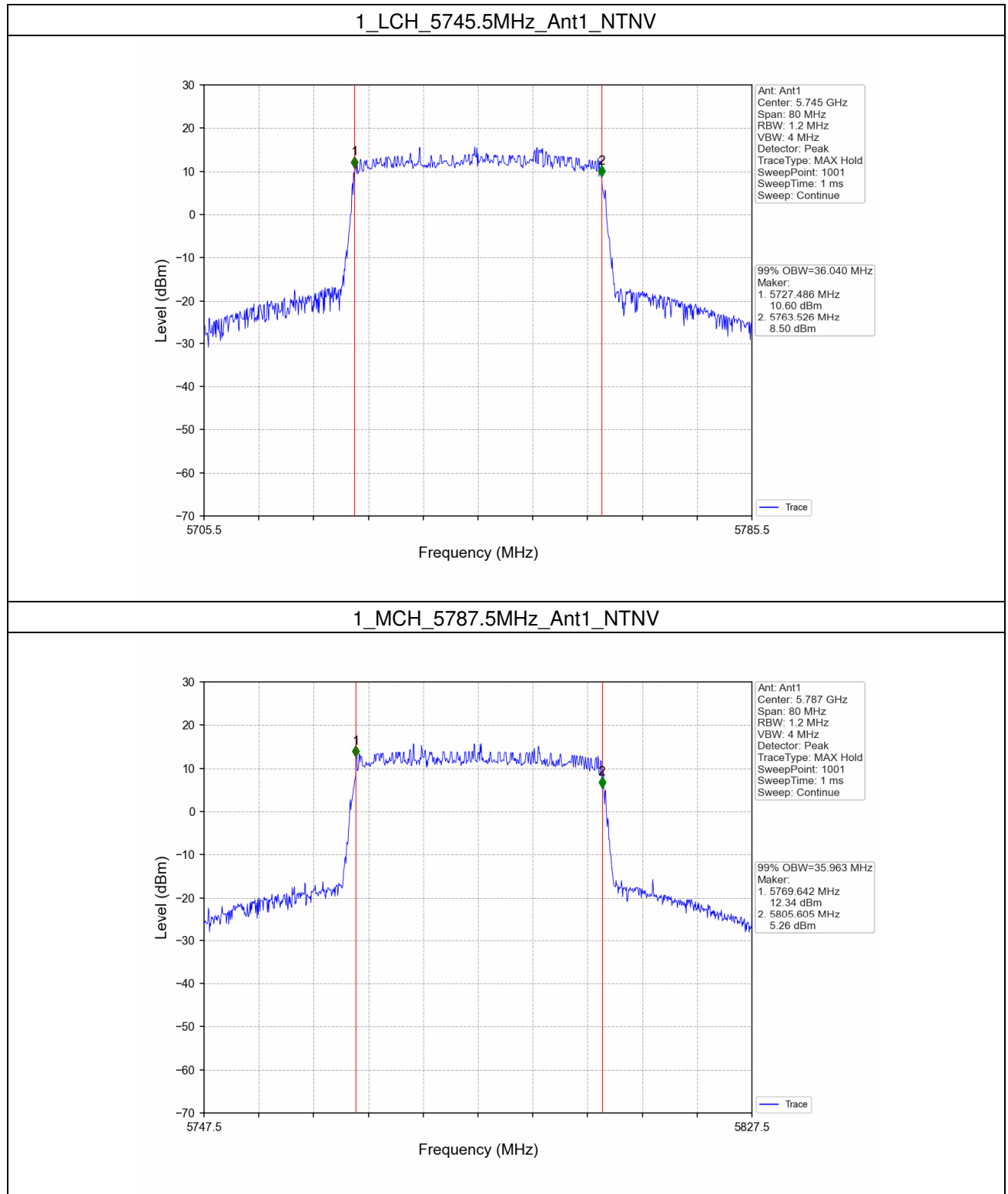
2. Bandwidth

2.1 OBW

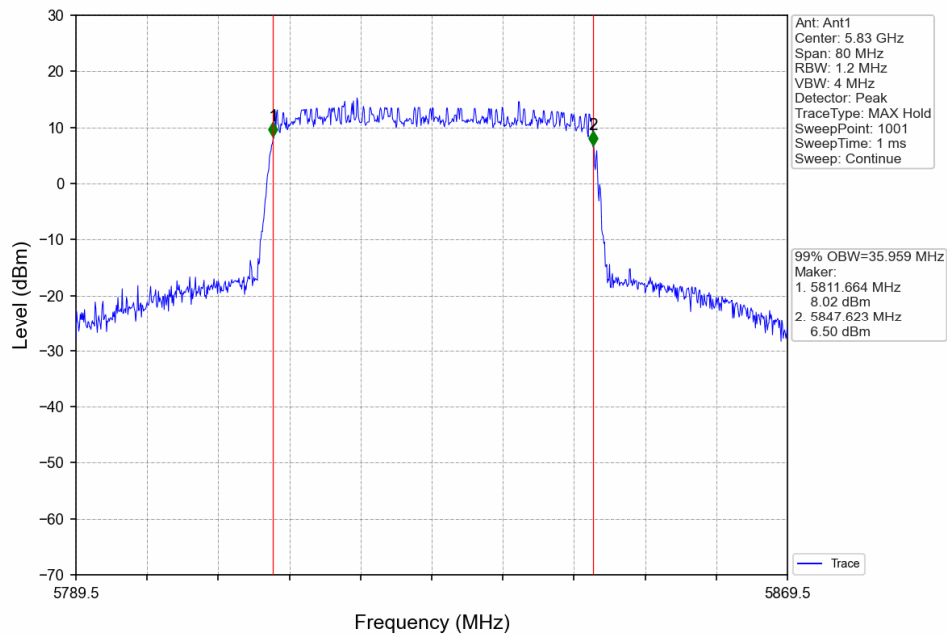
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
1	MIMO	5745.5	1	36.04	/	Pass
		5787.5	1	35.96	/	Pass
		5829.5	1	35.96	/	Pass

2.1.2 Test Graph



1_HCH_5829.5MHz_Ant1_NTNV



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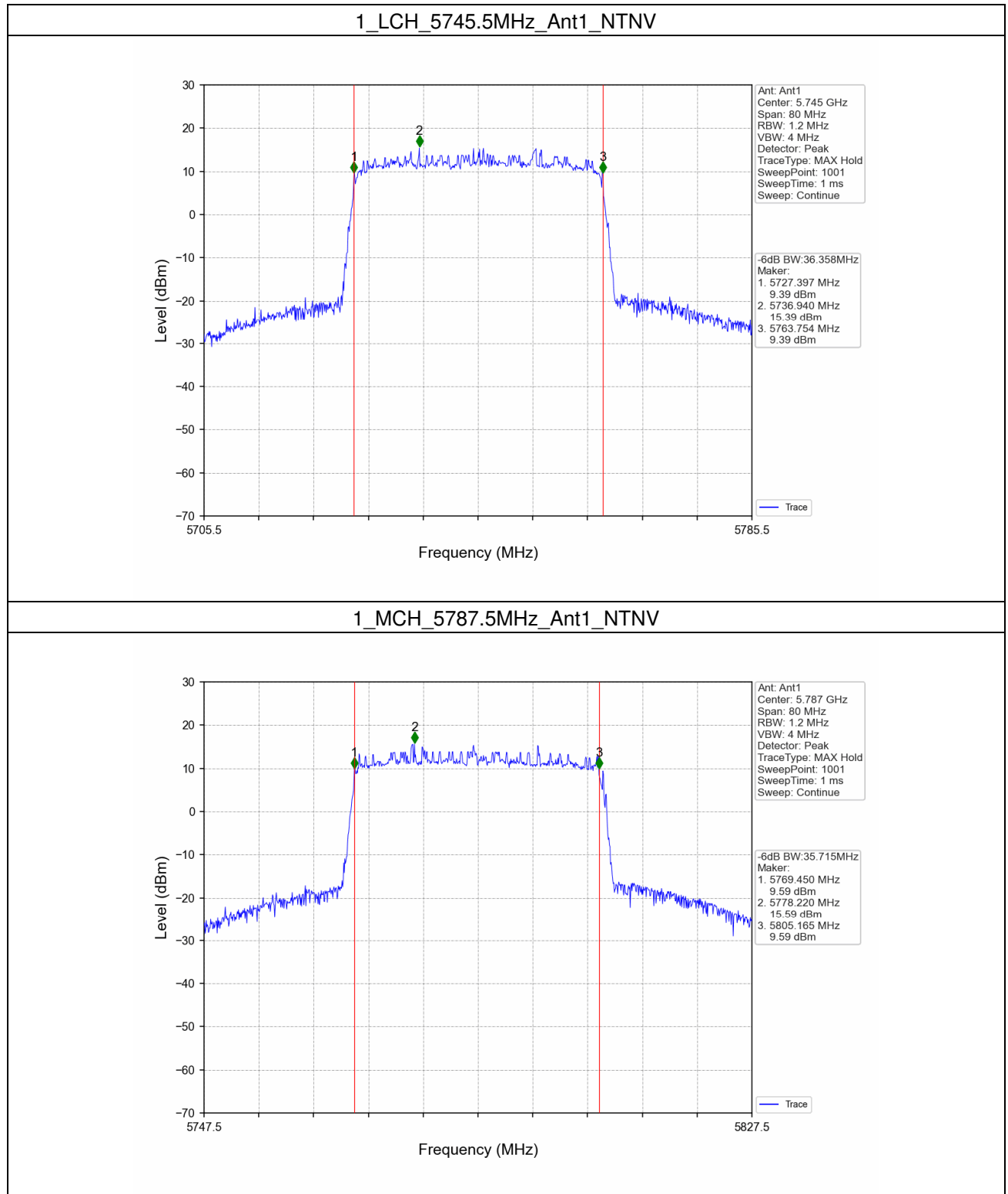
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2.2 6dB BW

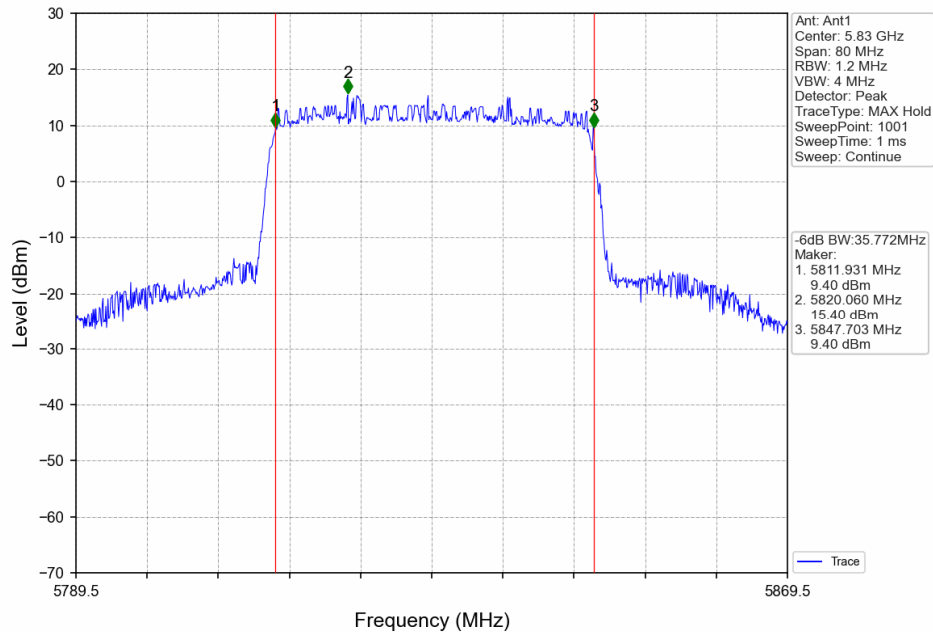
2.2.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	6dB Bandwidth (MHz)	Limit	Verdict
1	MIMO	5745.5	1	36.36	≥ 0.5	Pass
		5787.5	1	35.72	≥ 0.5	Pass
		5829.5	1	35.77	≥ 0.5	Pass

2.2.2 Test Graph



1_HCH_5829.5MHz_Ant1_NTNV



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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Measured Average Output Power (dBm)			Limit (dBm)	Verdict
			Ant1	Ant2	Sum		
1	MIMO	5745.5	17.27	15.86	19.63	<=29.24	Pass
		5787.5	16.45	16.11	19.29	<=29.24	Pass
		5829.5	16.14	16.34	19.25	<=29.24	Pass

Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 4.00dBi;

Note2: Directional Gain= $10\log [(10^{G1/20} + 10^{G2/20})^2/N_{ANT}] = 10\log [(10^{3.50/20} + 10^{4.00/20})^2/2] = 6.76\text{dBi}$

4. Maximum Power Spectral Density

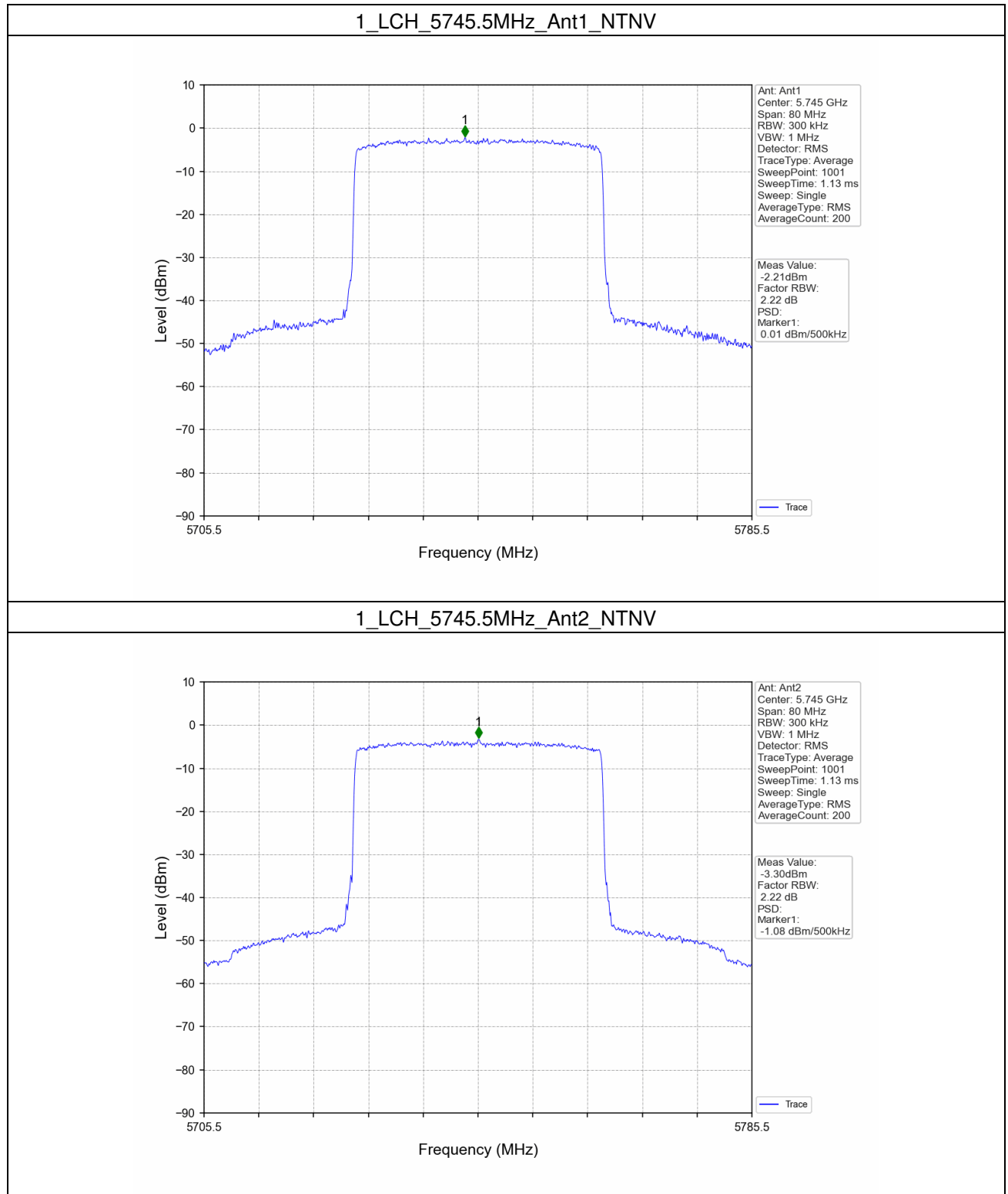
4.1 PSD-Band3

4.1.1 Test Result

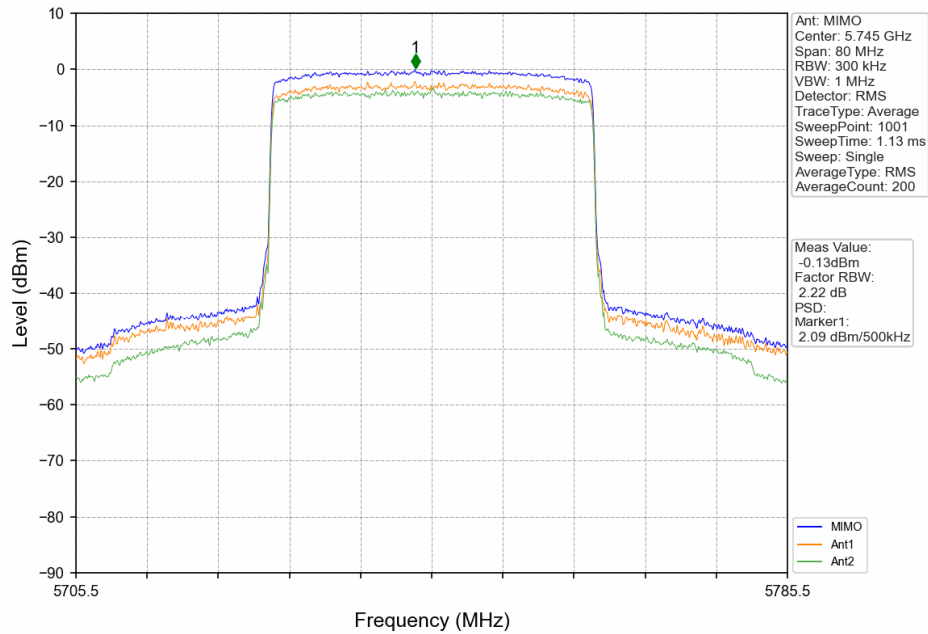
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Limit (dBm/500kHz)	Verdict
			Ant1	Ant2	Sum		
1	MIMO	5745.5	0.01	-1.08	2.09	<=29.24	Pass
		5787.5	-0.98	-0.40	1.96	<=29.24	Pass
		5829.5	-0.96	-0.97	1.89	<=29.24	Pass

Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 4.00dBi;
Note2: Directional Gain= $10\log [(10^{G1/20} + 10^{G2/20})^2/N_{ANT}] = 10\log [(10^{3.50/20} + 10^{4.00/20})^2/2] = 6.76\text{dBi}$.

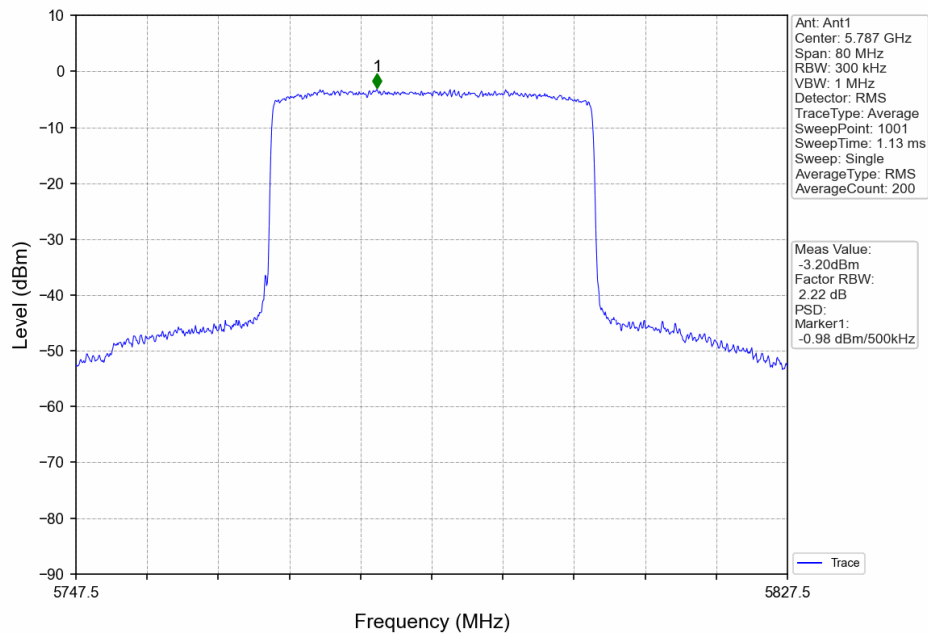
4.1.2 Test Graph



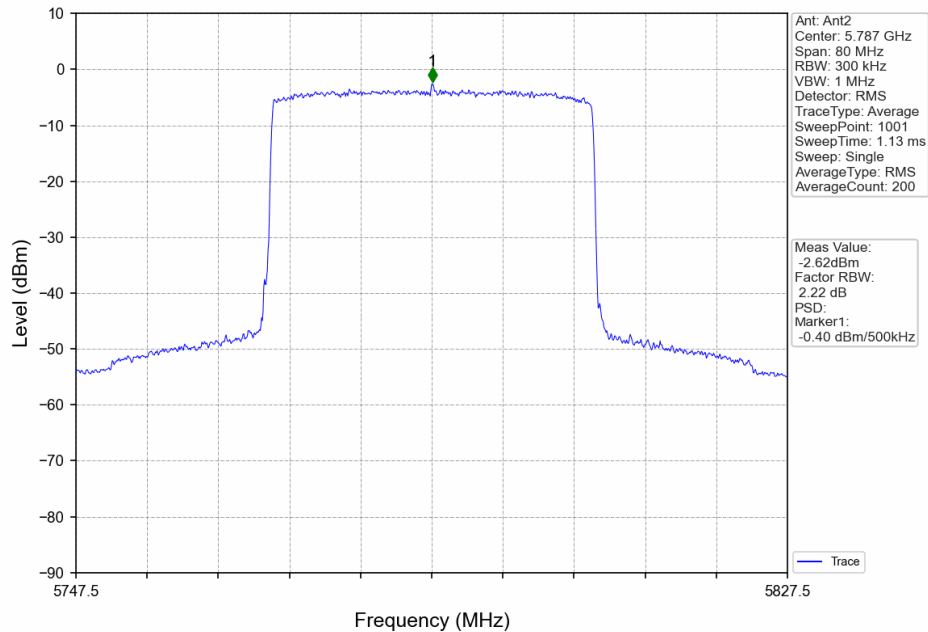
1_LCH_5745.5MHz_MIMO_NTNV



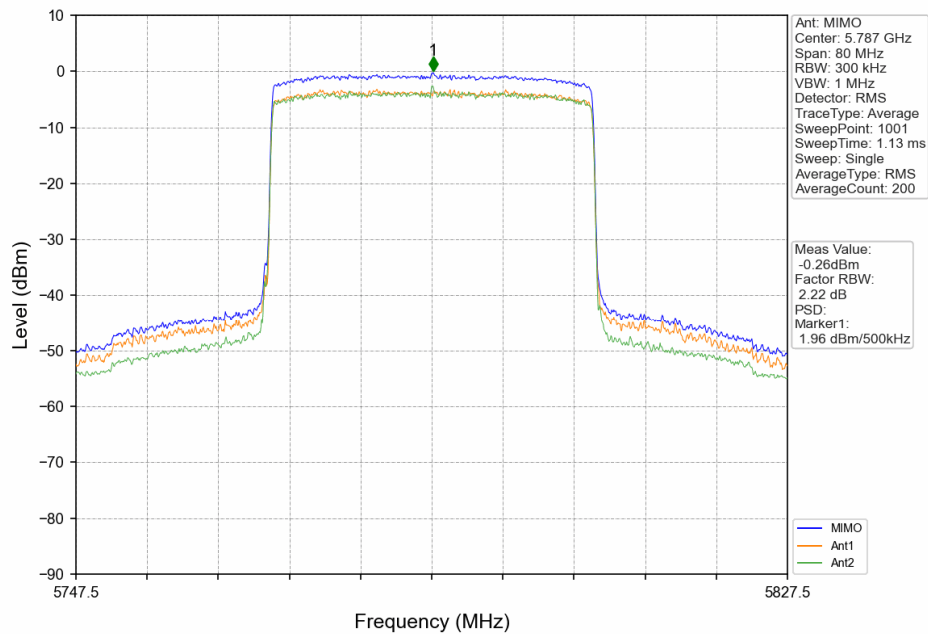
1_MCH_5787.5MHz_Ant1_NTNV



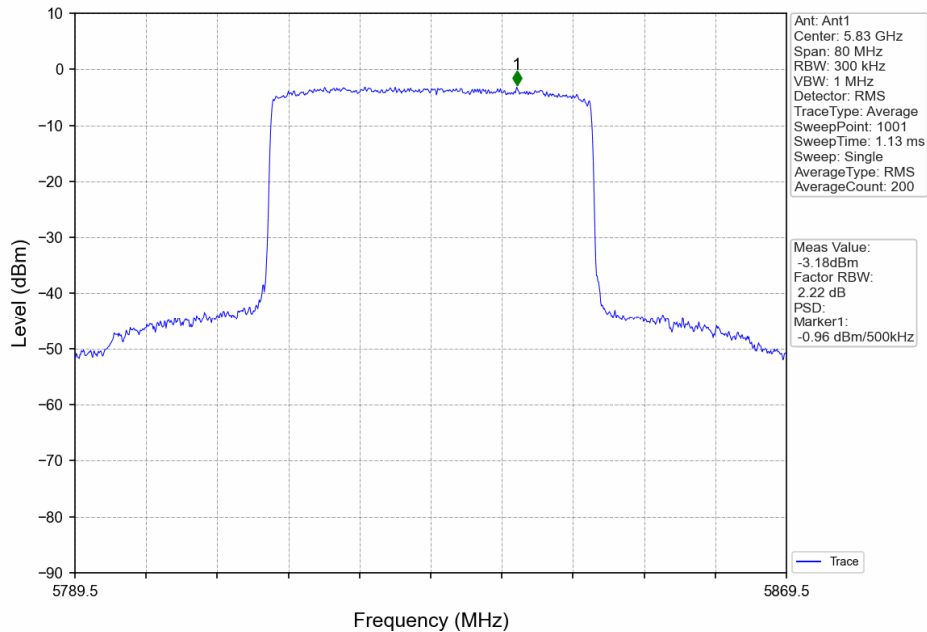
1_MCH_5787.5MHz_Ant2_NTNV



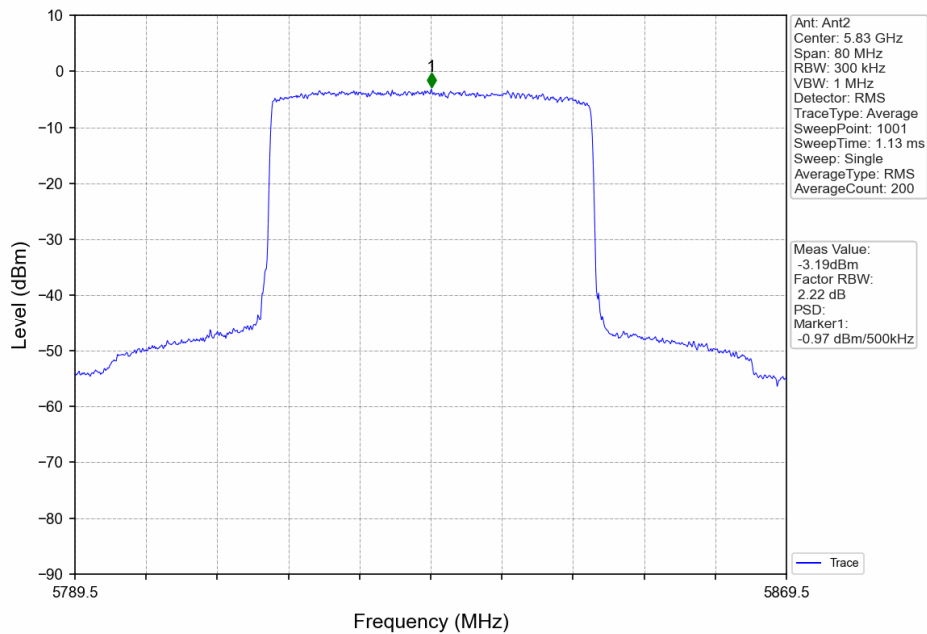
1_MCH_5787.5MHz_MIMO_NTNV



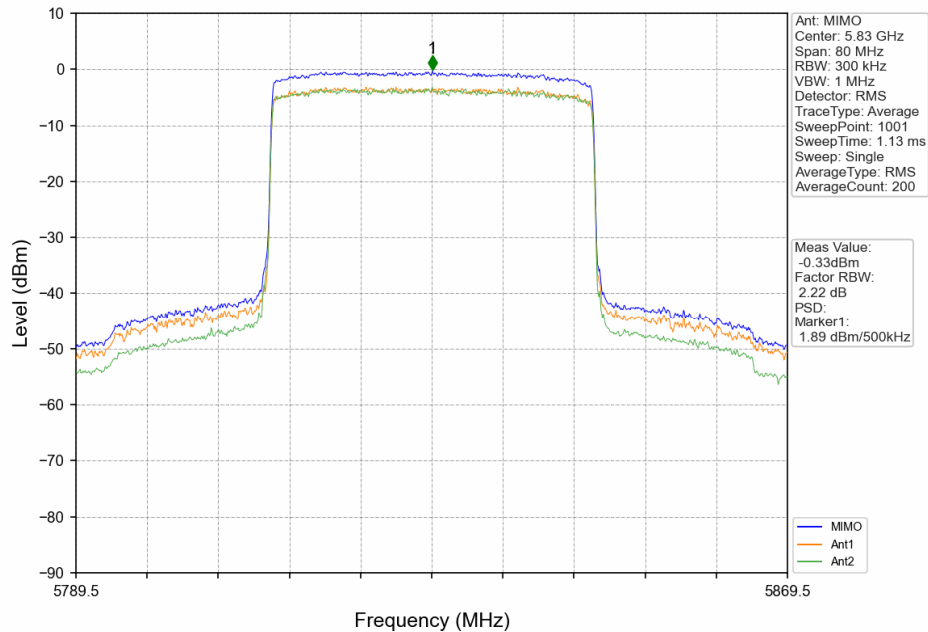
1_HCH_5829.5MHz_Ant1_NTNV



1_HCH_5829.5MHz_Ant2_NTNV



1_HCH_5829.5MHz_MIMO_NTNV



- End of the Report -