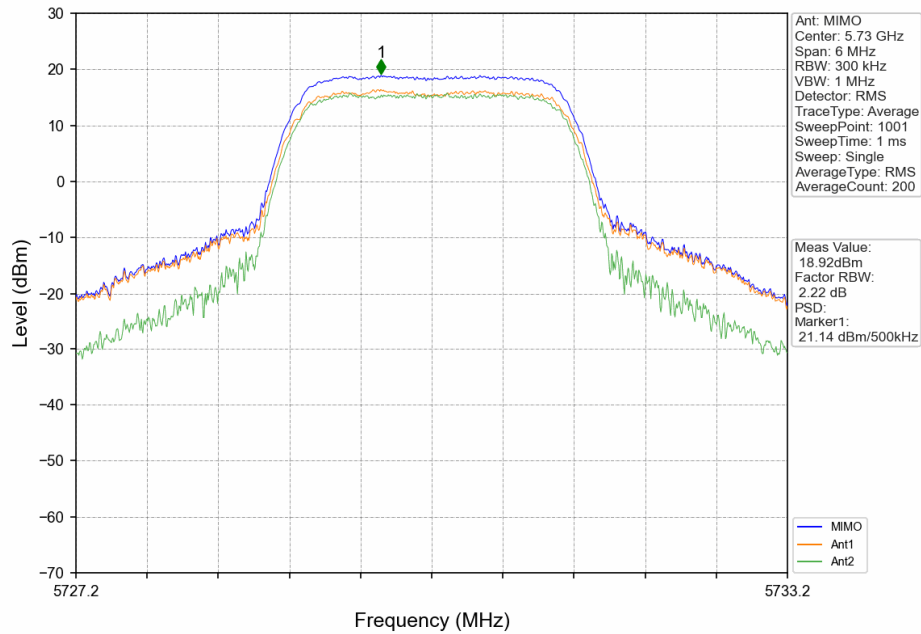
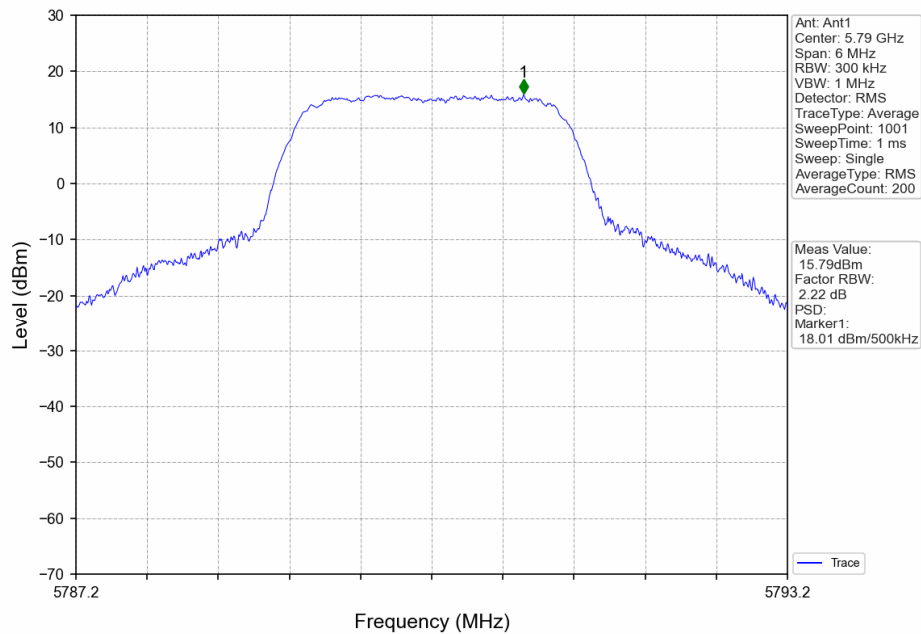


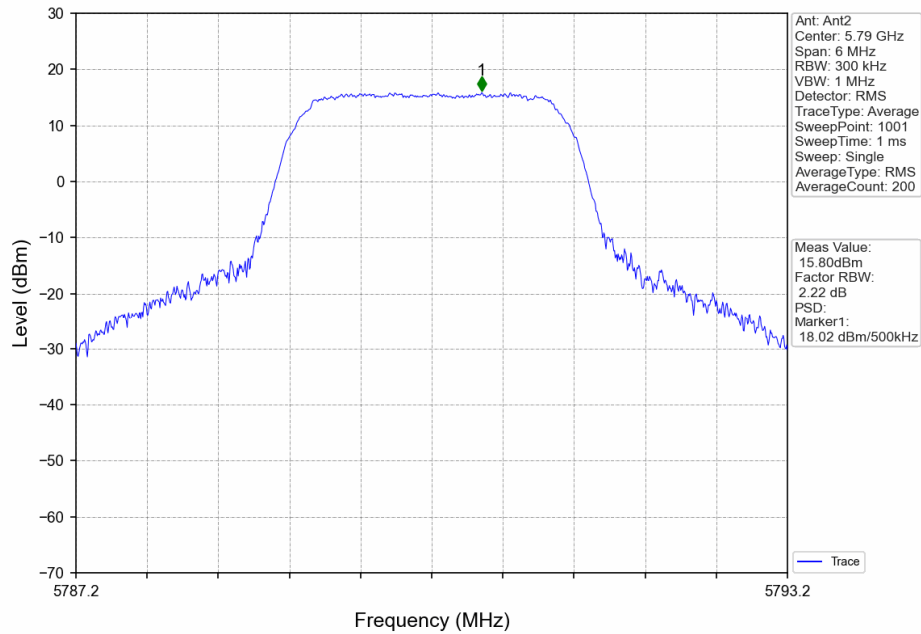
1_LCH_5730.2MHz_MIMO_NTNV



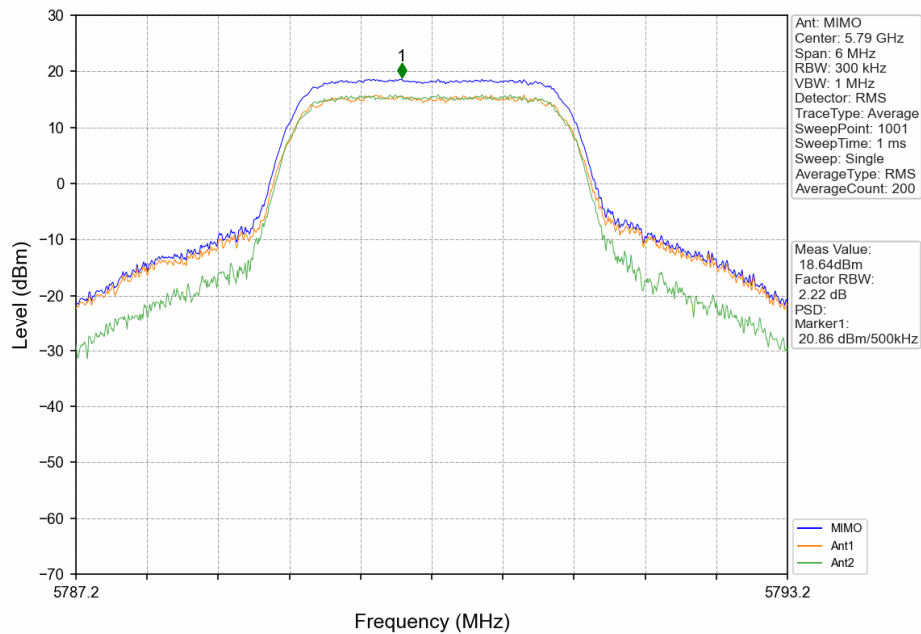
1_MCH_5790.2MHz_Ant1_NTNV



1_MCH_5790.2MHz_Ant2_NTNV



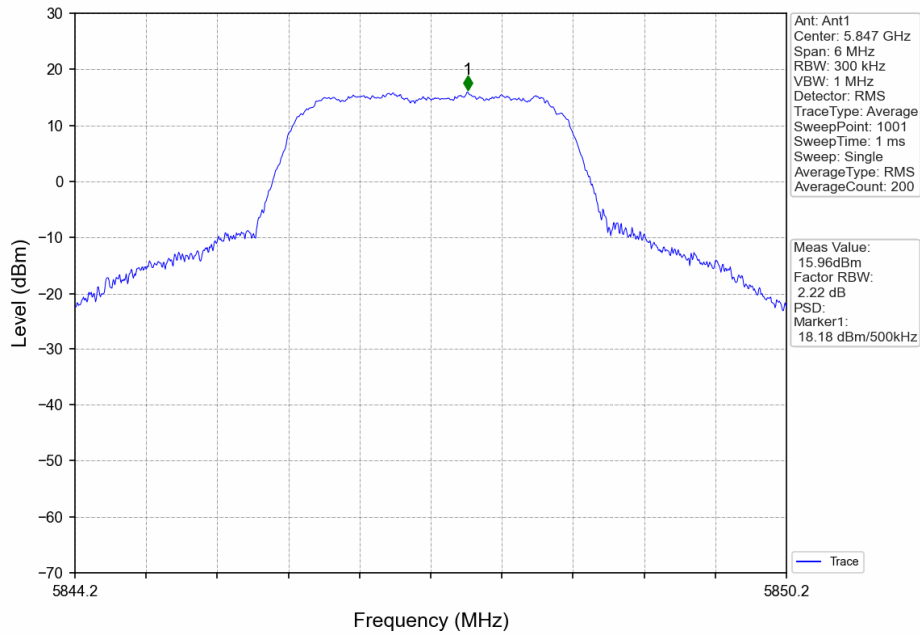
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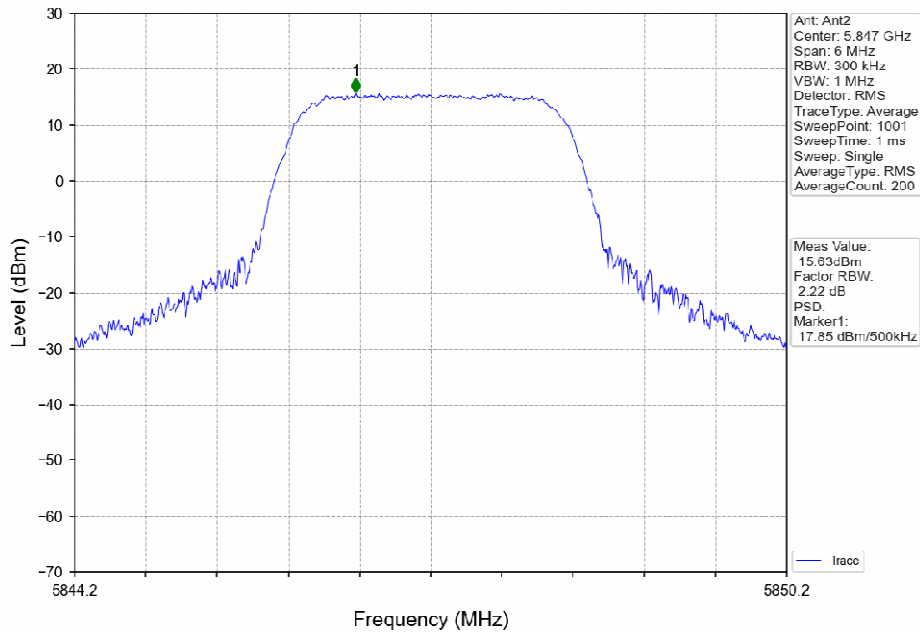
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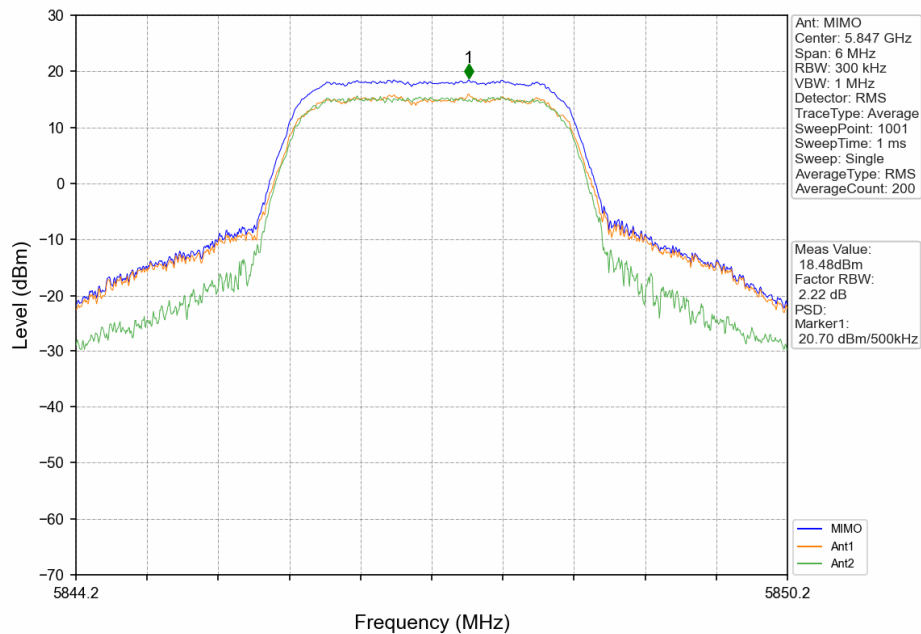
1_HCH_5847.2MHz_Ant1_NTNV



1_HCH_5847.2MHz_Ant2_NTNV



1_HCH_5847.2MHz_MIMO_NTNV



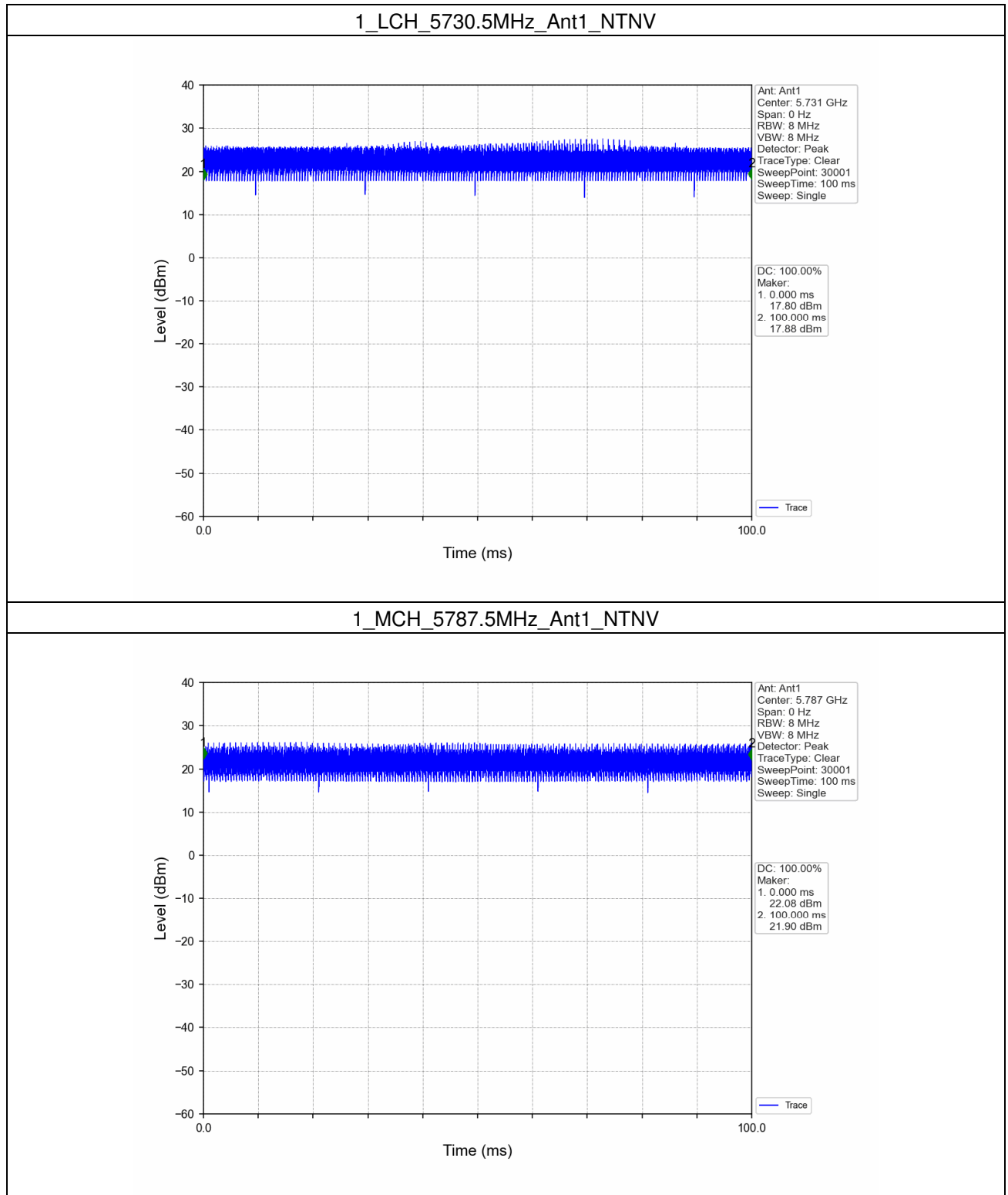
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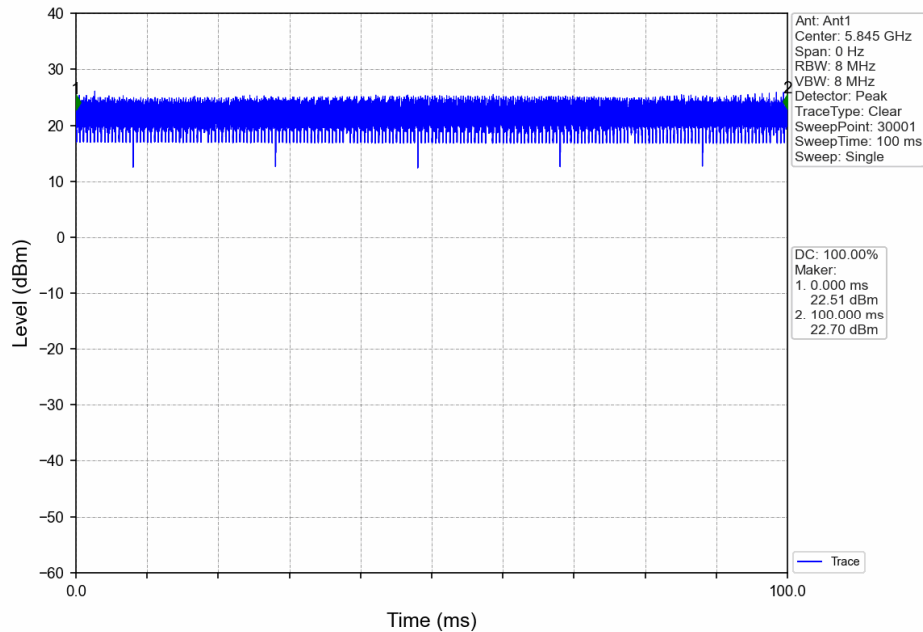
MIMO Mode, 10MHz BW**1. Duty Cycle****1.1 Ant1****1.1.1 Test Result**

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



1_HCH_5844.5MHz_Ant1_NTNV



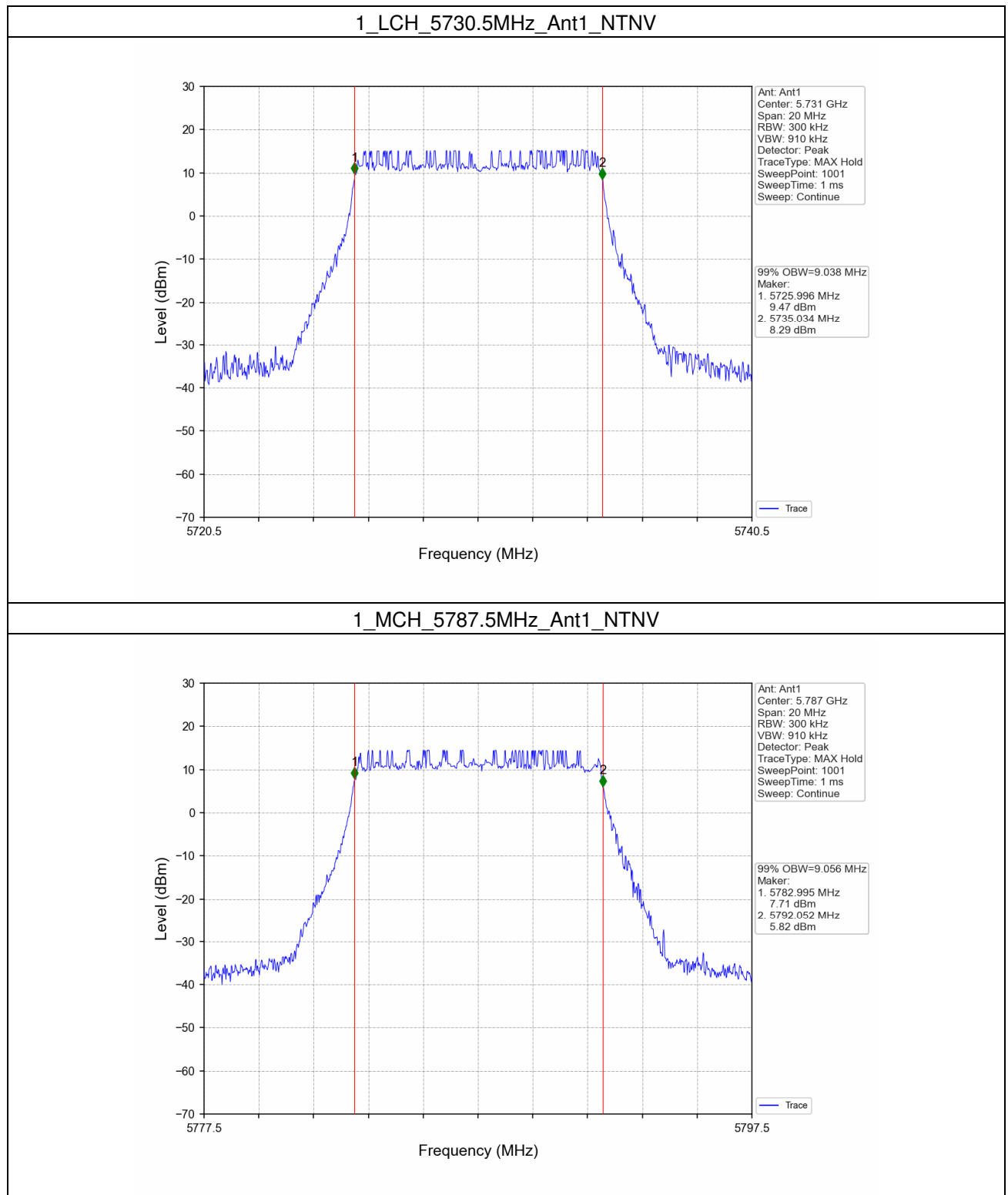
2. Bandwidth

2.1 OBW

2.1.1 Test Result

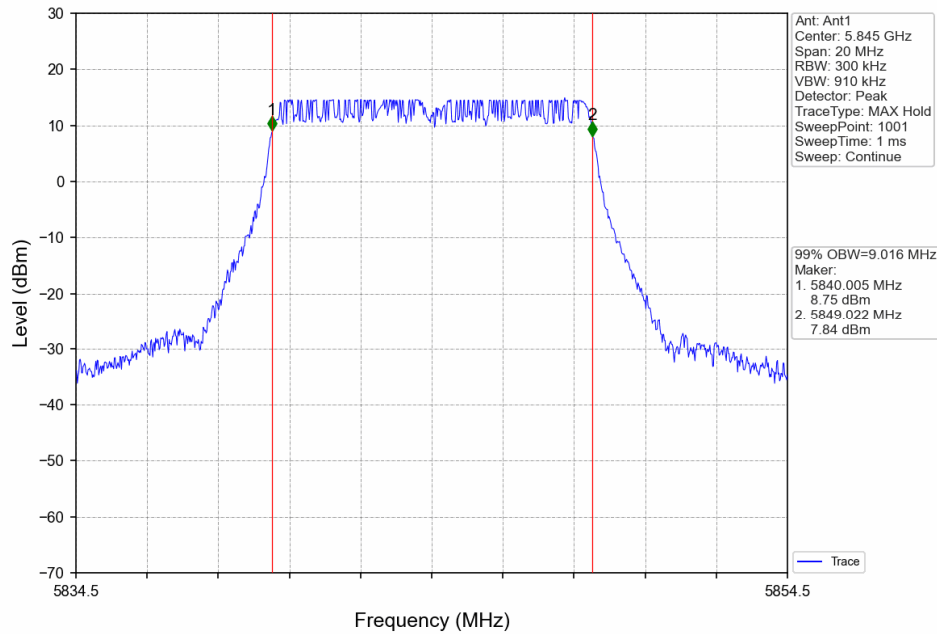
Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
1	MIMO	5730.5	1	9.04	/	Pass
		5787.5	1	9.06	/	Pass
		5844.5	1	9.02	/	Pass

2.1.2 Test Graph



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1_HCH_5844.5MHz_Ant1_NTNV



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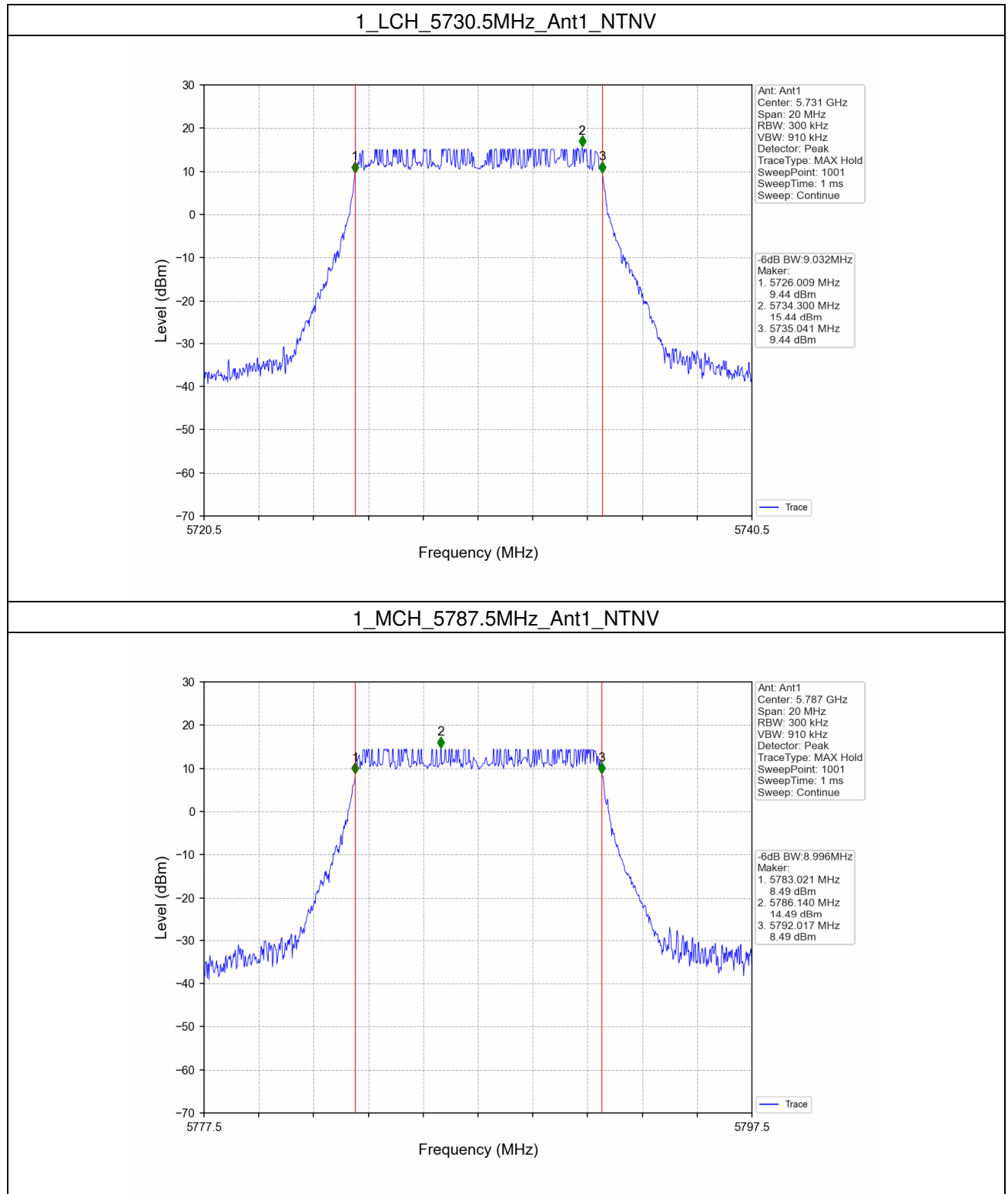
Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

2.2 6dB BW

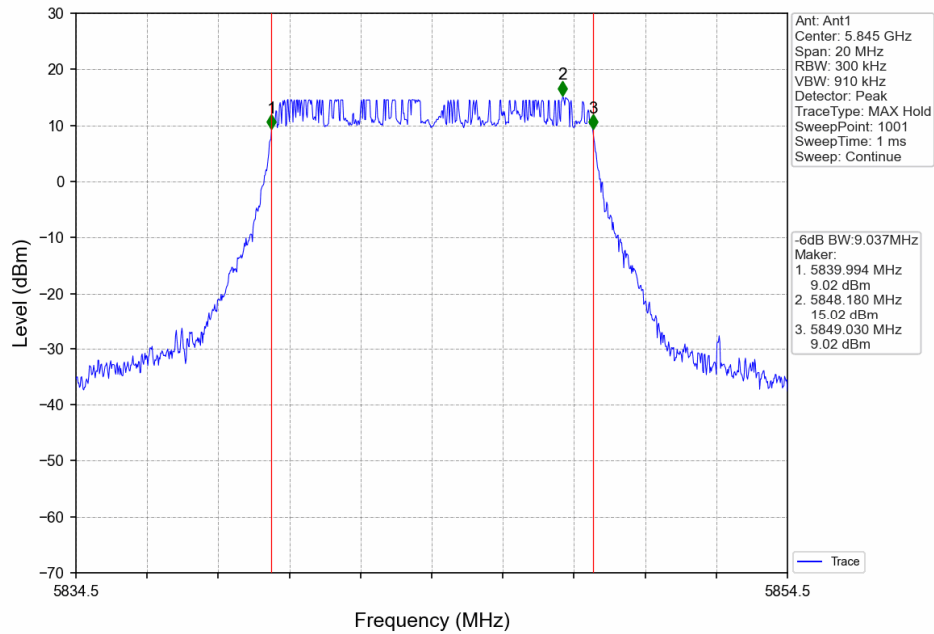
2.2.1 Test Result

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

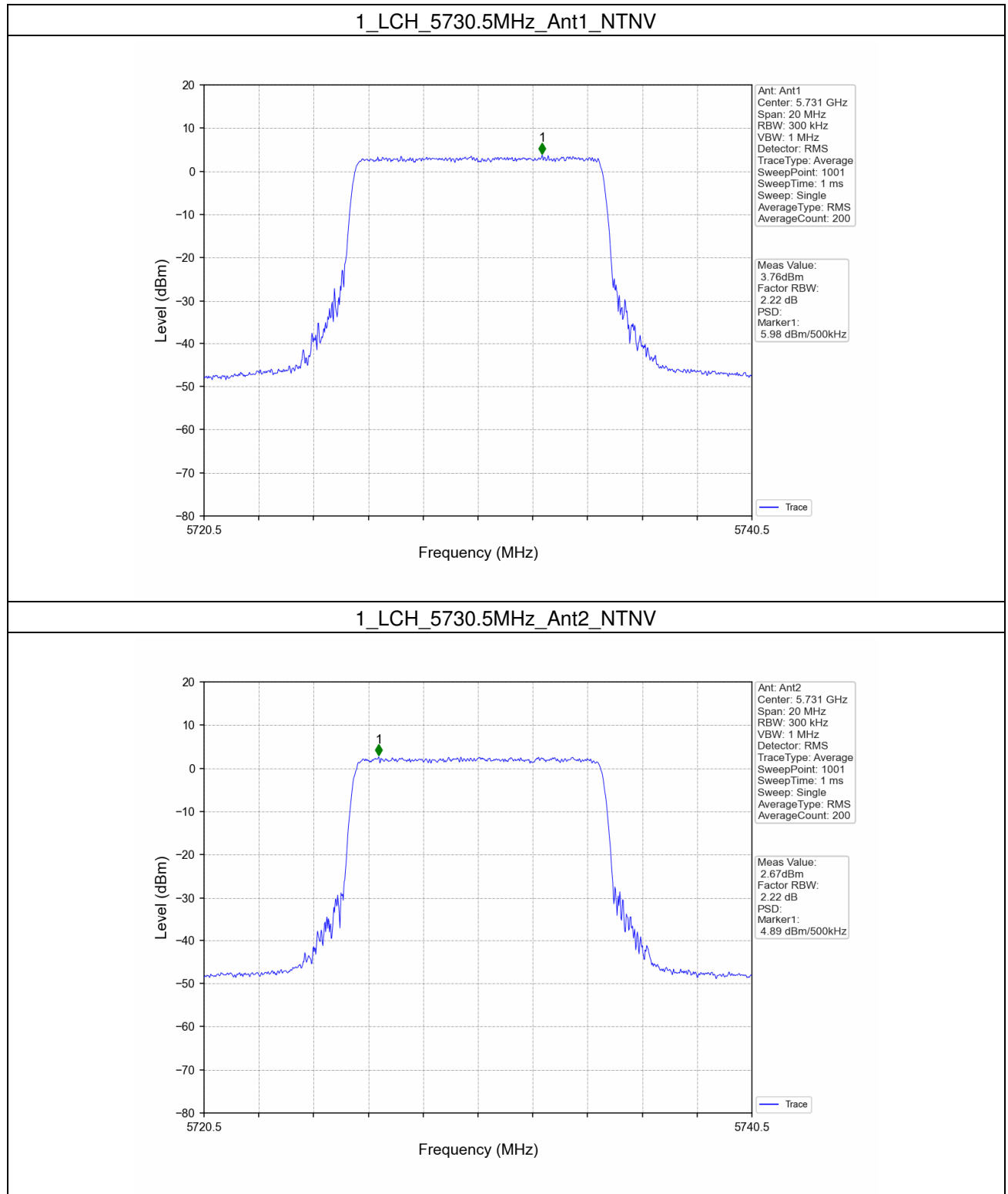
4.1 PSD

4.1.1 Test Result

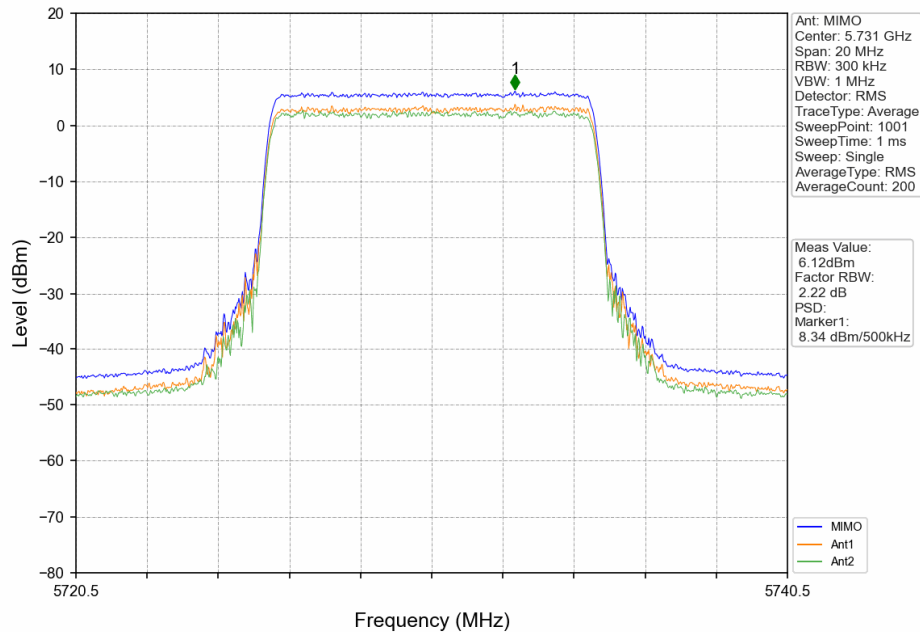
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Limit (dBm/500kHz)	Verdict
			Ant1	Ant2	Sum		
1	MIMO	5730.5	5.98	4.89	8.34	<=29.24	Pass
		5787.5	5.45	4.62	7.82	<=29.24	Pass
		5844.5	5.35	4.91	7.84	<=29.24	Pass

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

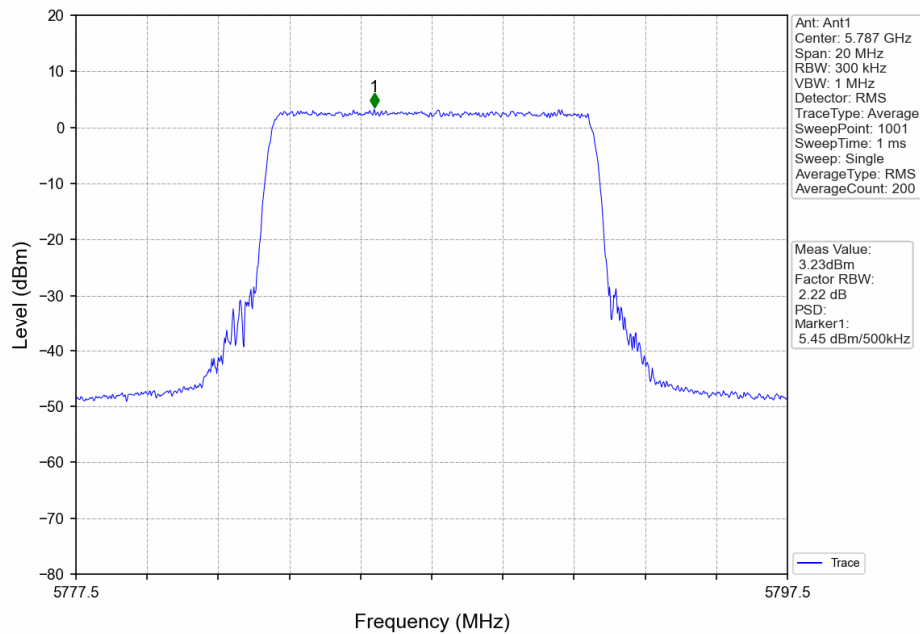
4.1.2 Test Graph



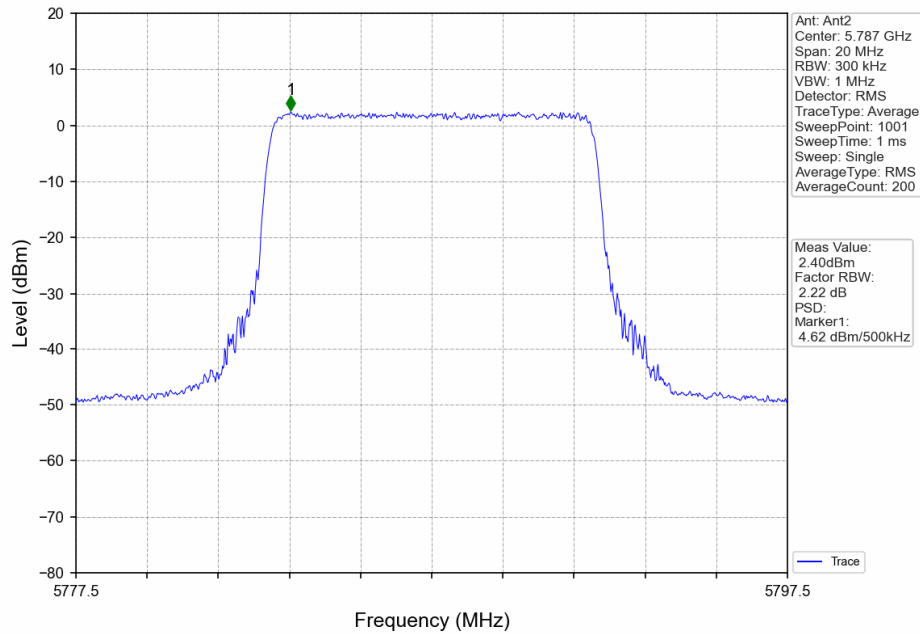
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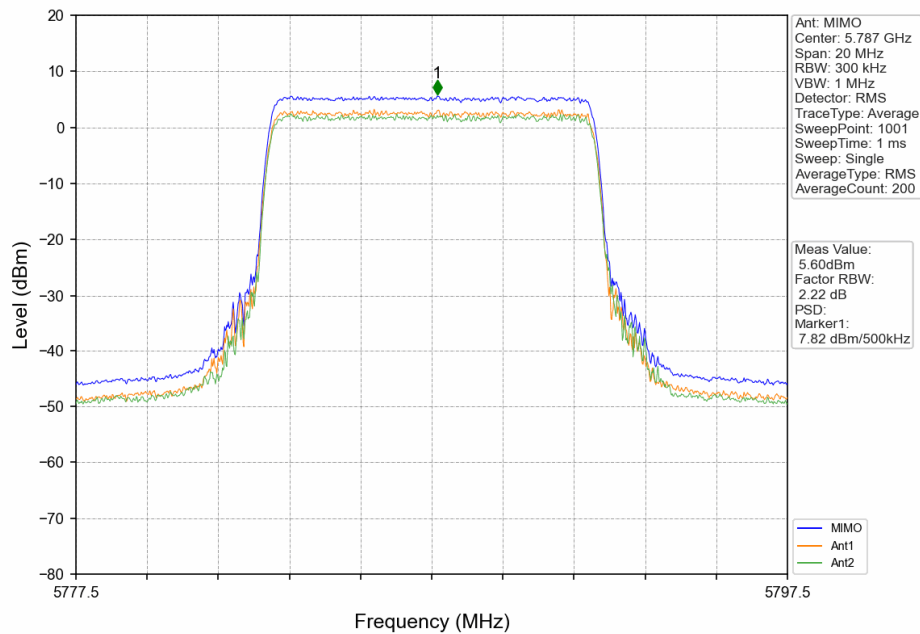
1_MCH_5787.5MHz_Ant1_NTNV



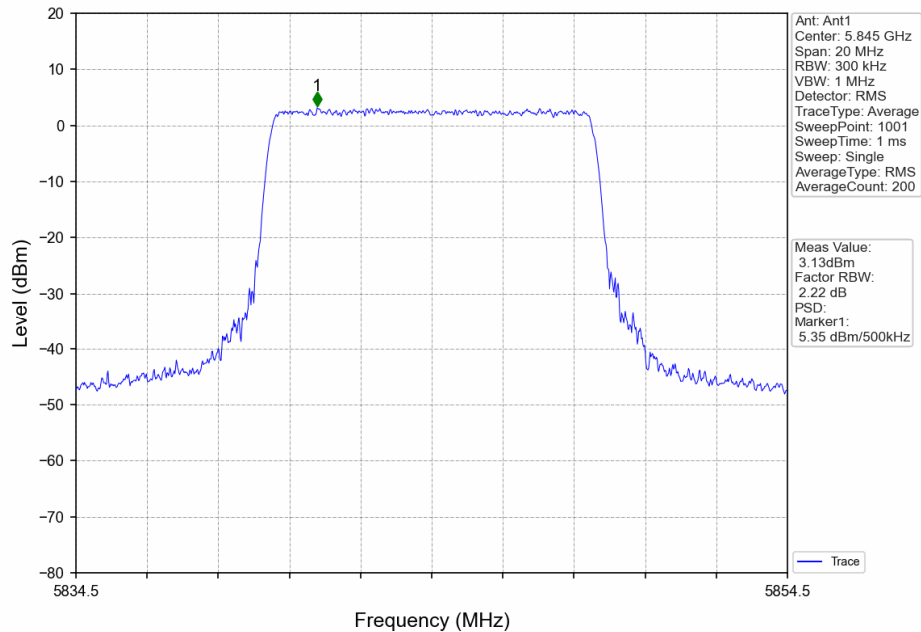
1_MCH_5787.5MHz_Ant2_NTNV



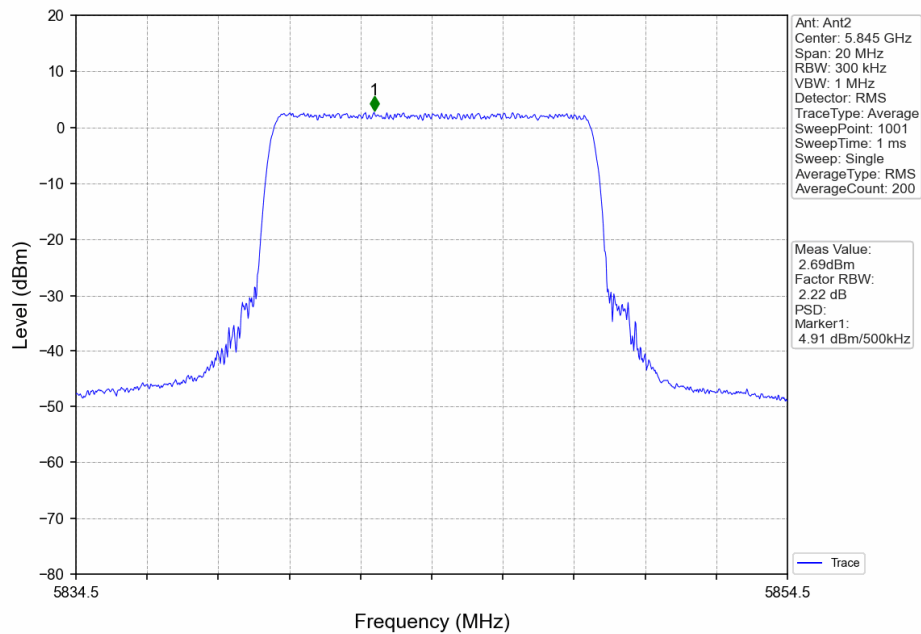
1_MCH_5787.5MHz_MIMO_NTNV



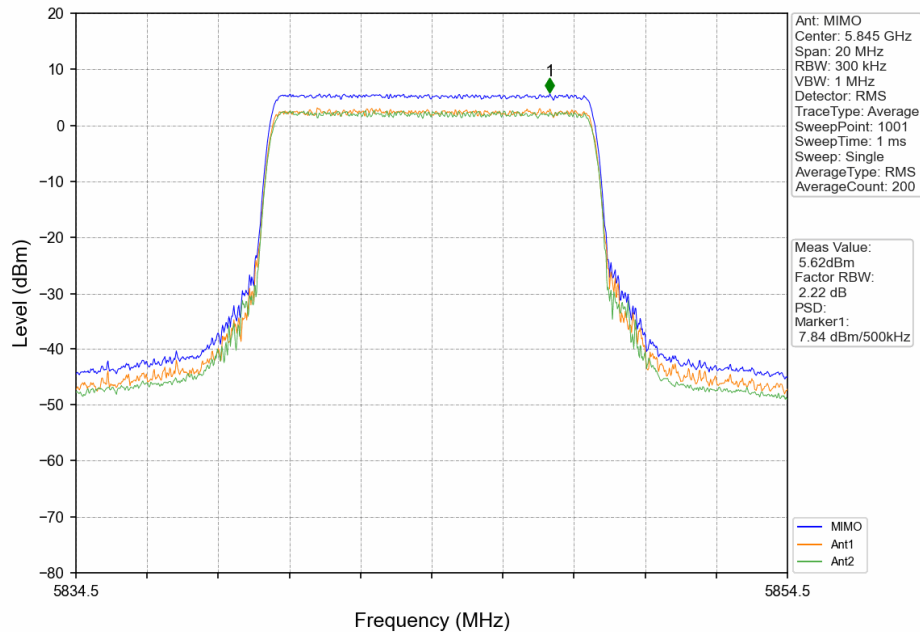
1_HCH_5844.5MHz_Ant1_NTNV



1_HCH_5844.5MHz_Ant2_NTNV



1_HCH_5844.5MHz_MIMO_NTNV



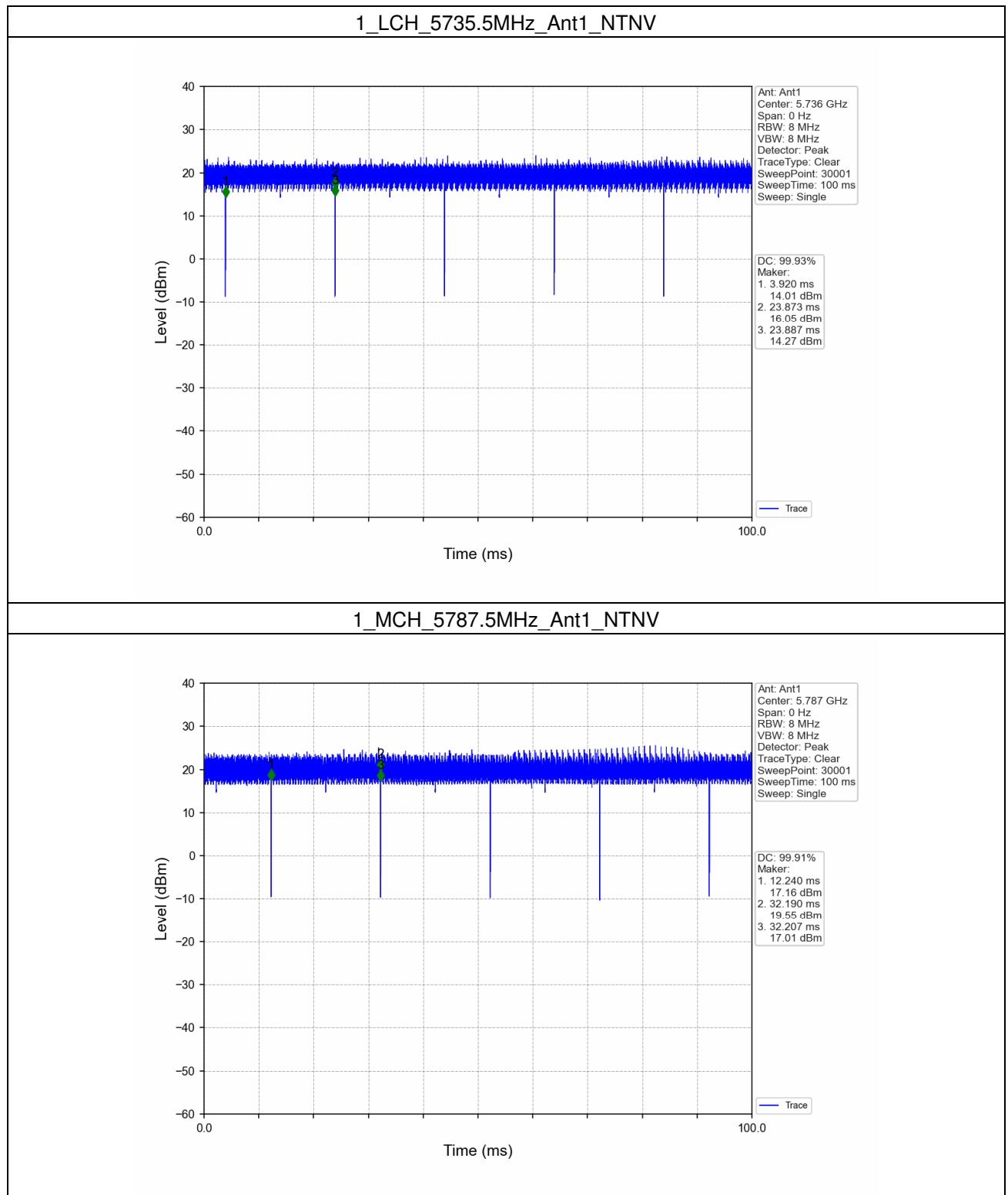
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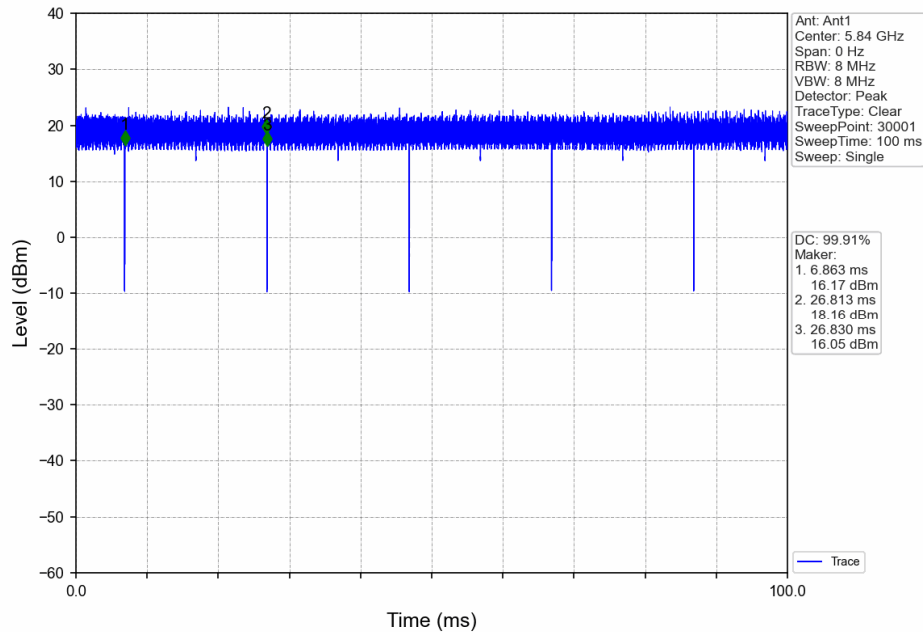
MIMO Mode, 20MHz BW**1. Duty Cycle****1.1 Ant1****1.1.1 Test Result**

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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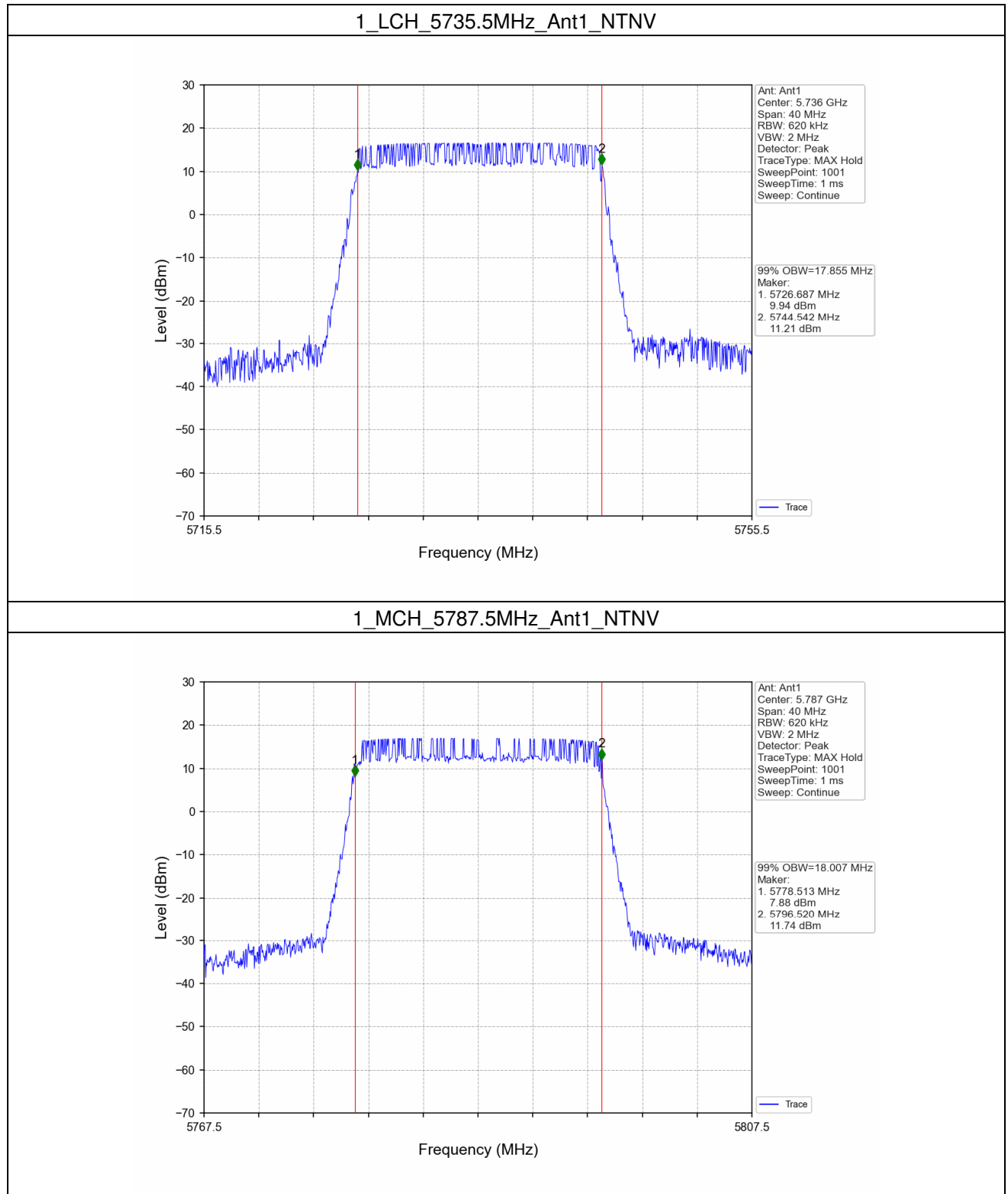
2. Bandwidth

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

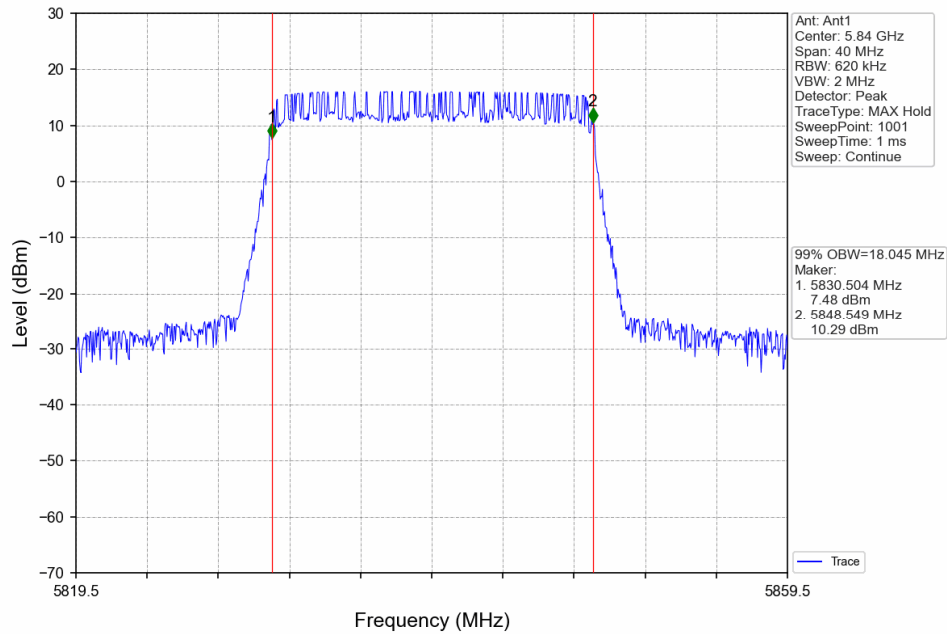
2.1.2 Test Graph



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1_HCH_5839.5MHz_Ant1_NTNV



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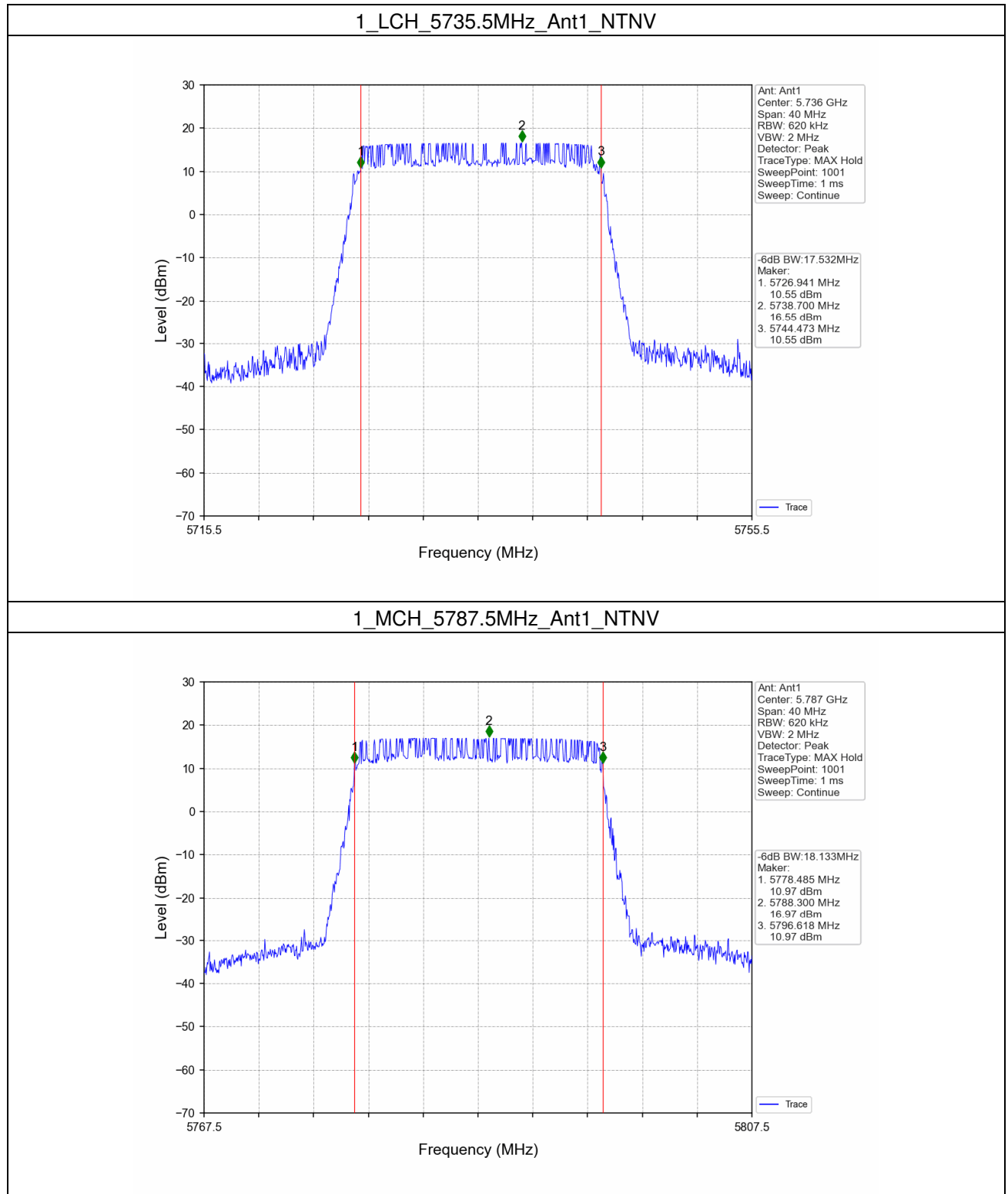
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2.2 6dB BW

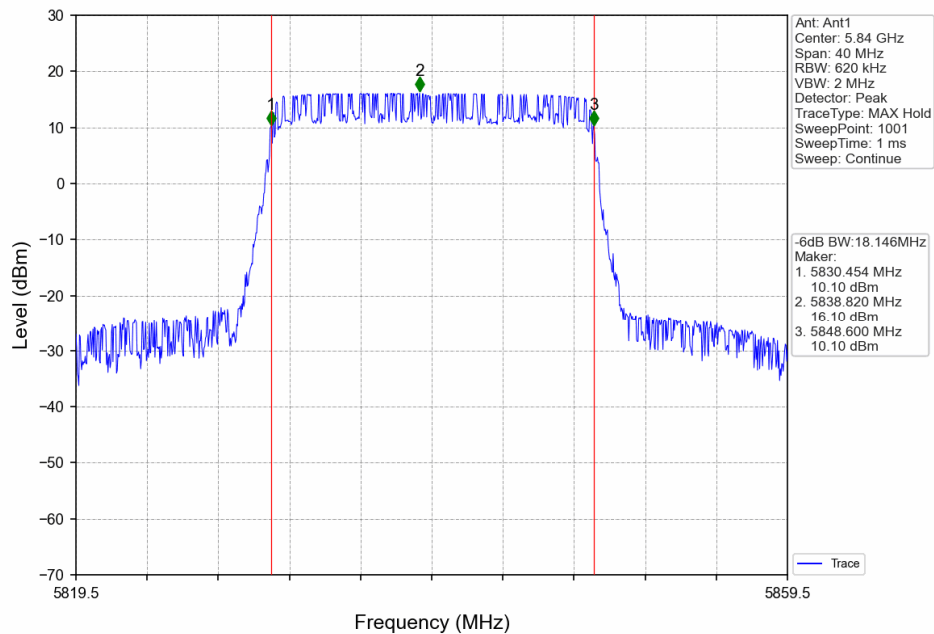
2.2.1 Test Result

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=10log [(10 ^{G1/20} + 10 ^{G2/20}) ² /N _{ANT}] = 10log [(10 ^{3.50/20} + 10 ^{4.00/20}) ² /2] = 6.76dBi							

4. Maximum Power Spectral Density

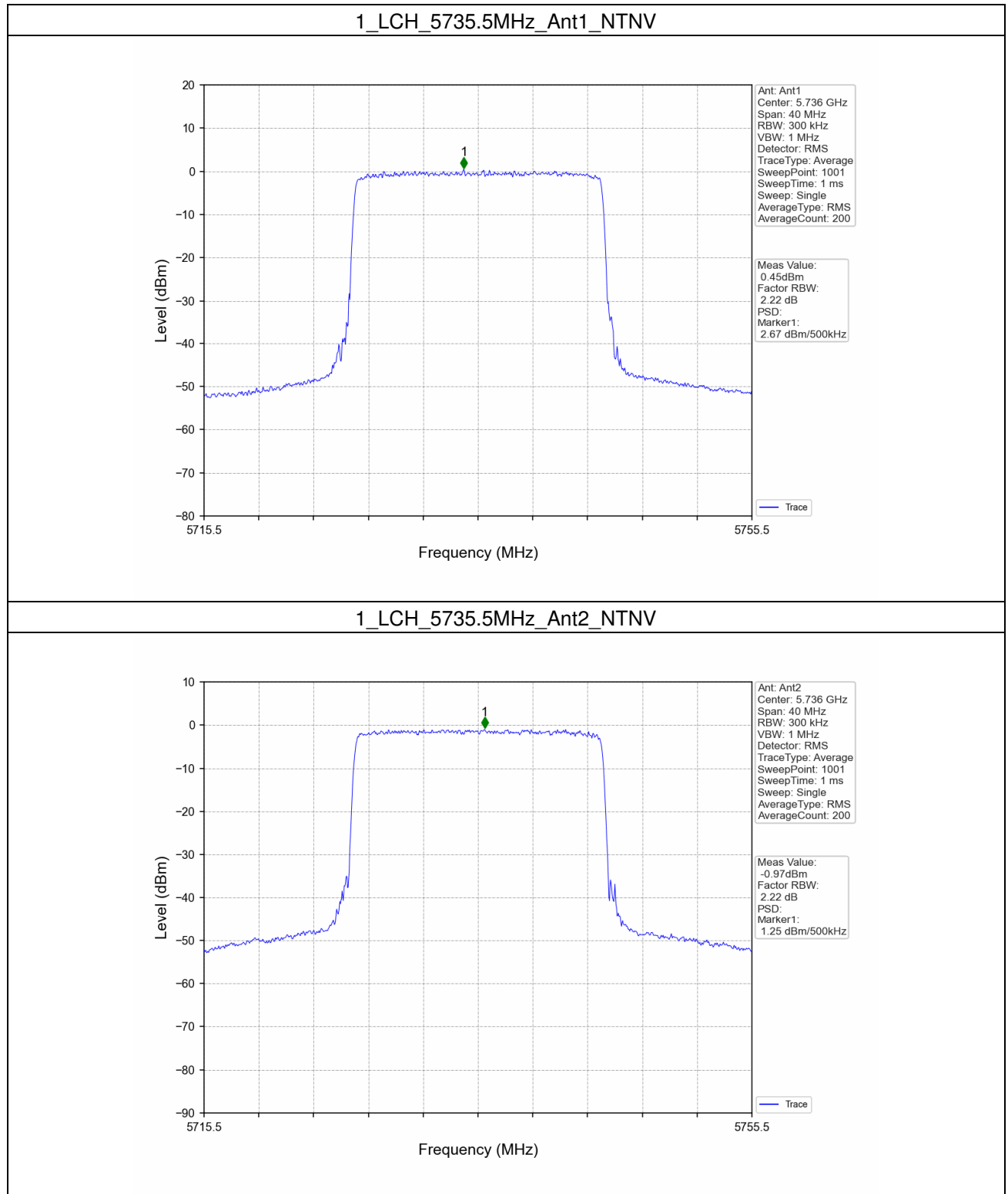
4.1 PSD

4.1.1 Test Result

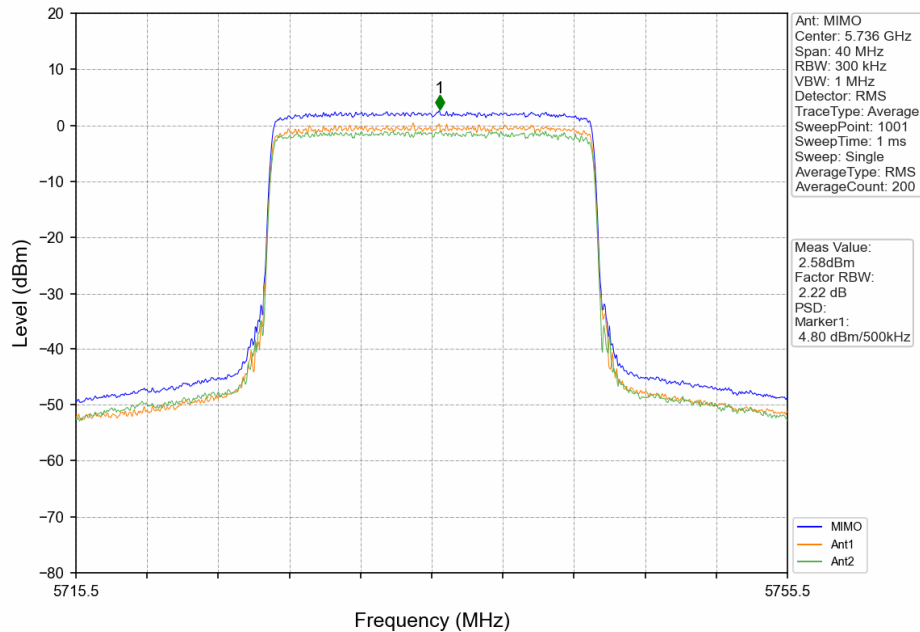
Mode	TX Type	Frequency (MHz)	Maximum PSD (dBm/500kHz)			Limit (dBm/500kHz)	Verdict
			Ant1	Ant2	Sum		
1	MIMO	5735.5	2.67	1.25	4.80	<=29.24	Pass
		5787.5	2.25	2.02	4.88	<=29.24	Pass
		5839.5	1.71	2.15	4.74	<=29.24	Pass

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

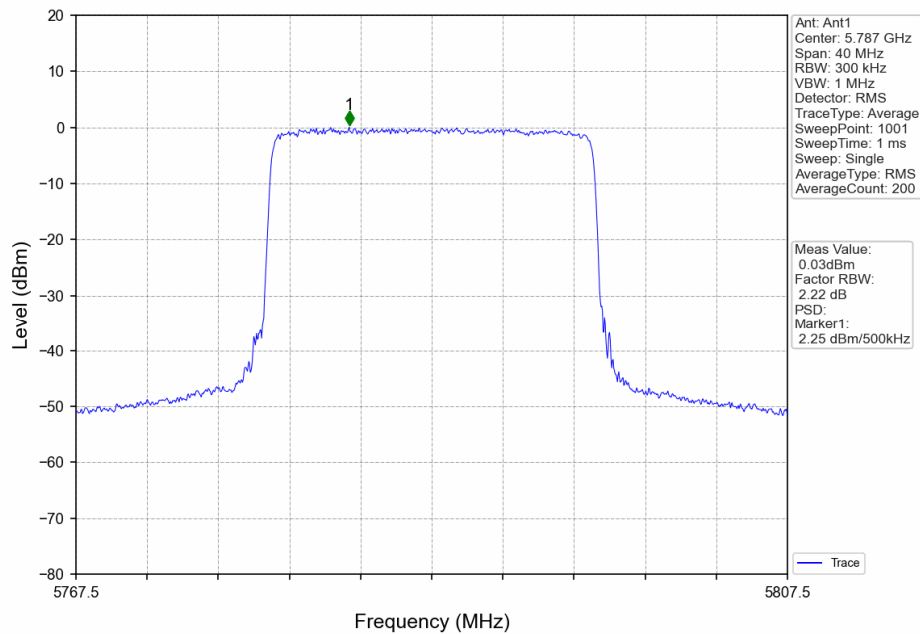
4.1.2 Test Graph



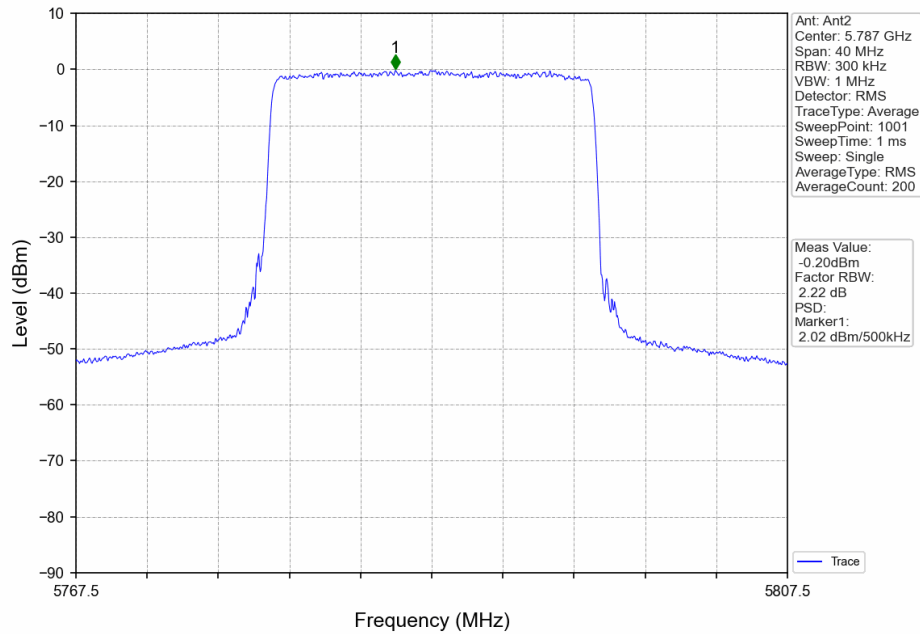
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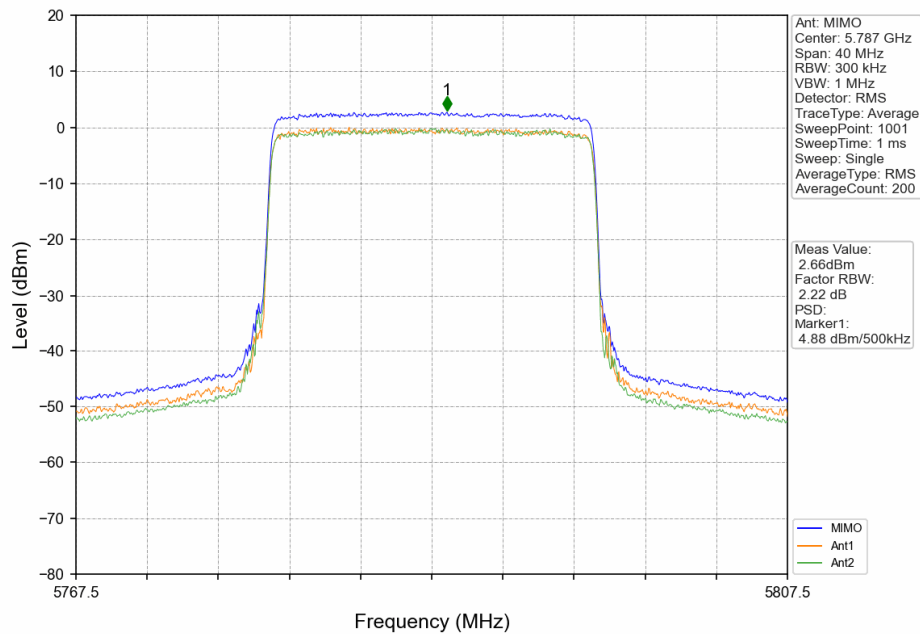
1_MCH_5787.5MHz_Ant1_NTNV



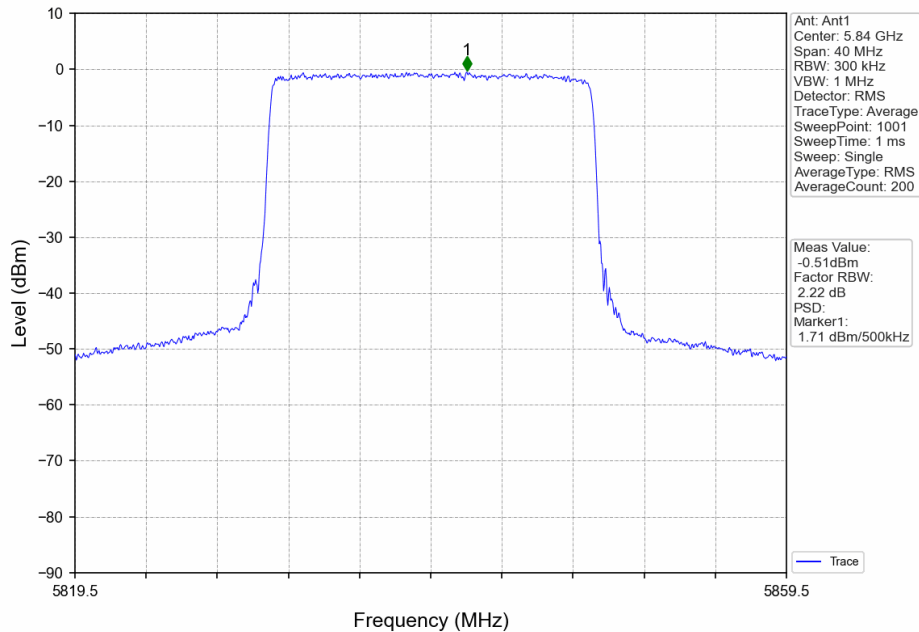
1_MCH_5787.5MHz_Ant2_NTNV



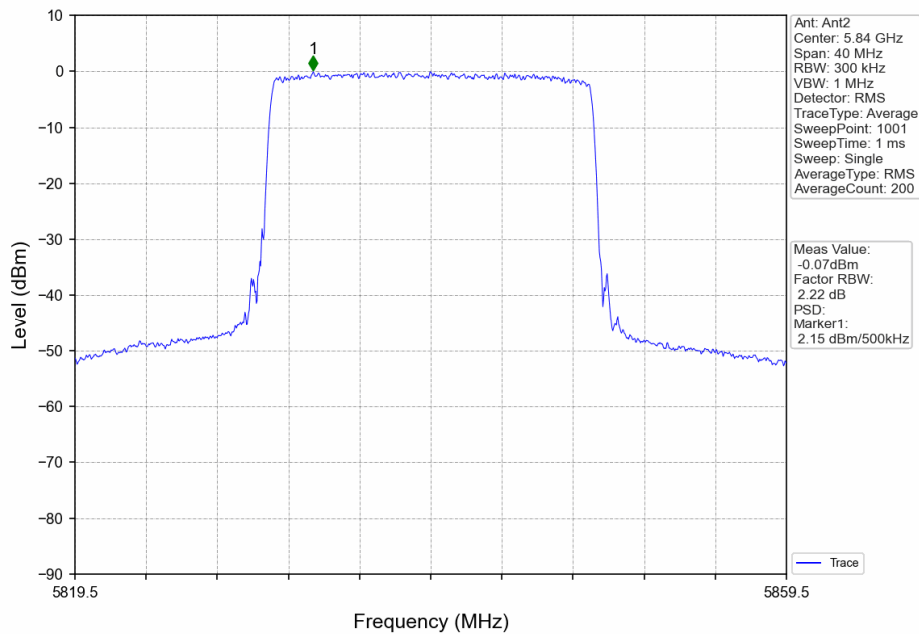
1_MCH_5787.5MHz_MIMO_NTNV



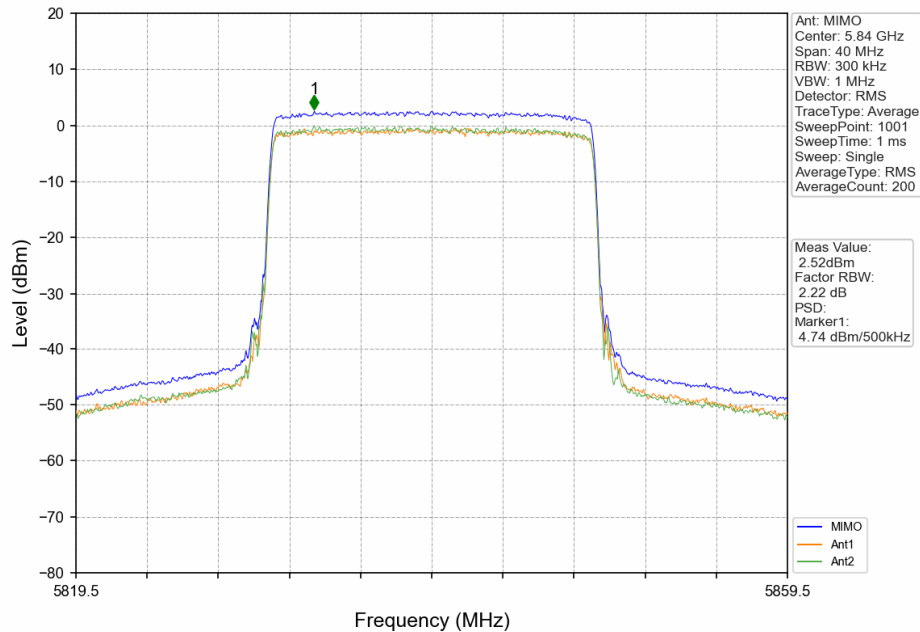
1_HCH_5839.5MHz_Ant1_NTNV



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**

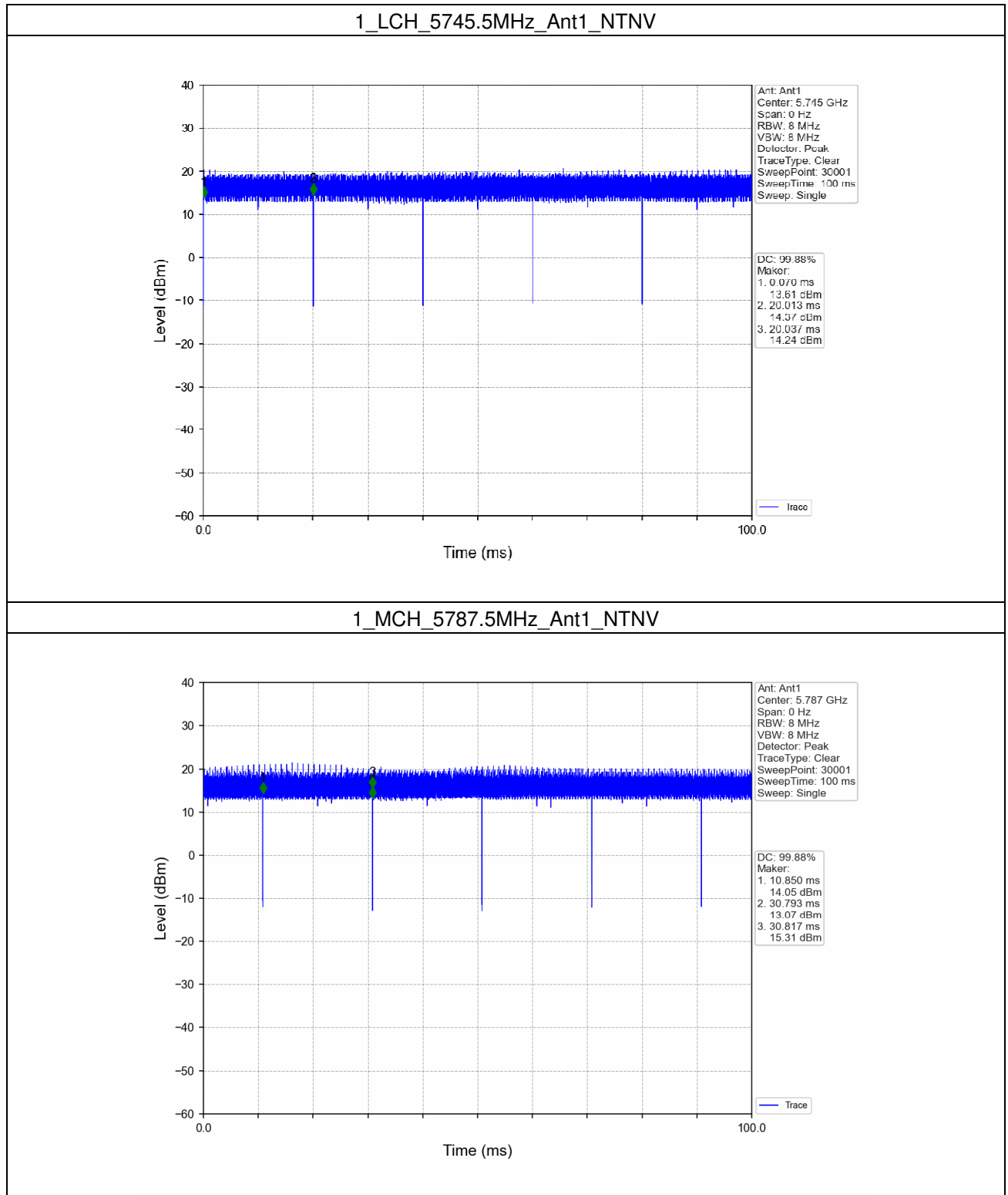
Ant1							
Mode	TX Type	Frequency (MHz)	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
1	MIMO	5745.5	19.94	19.97	99.88	0.01	0.00
		5787.5	19.94	19.97	99.88	0.01	0.00
		5829.5	19.94	19.97	99.88	0.01	0.00



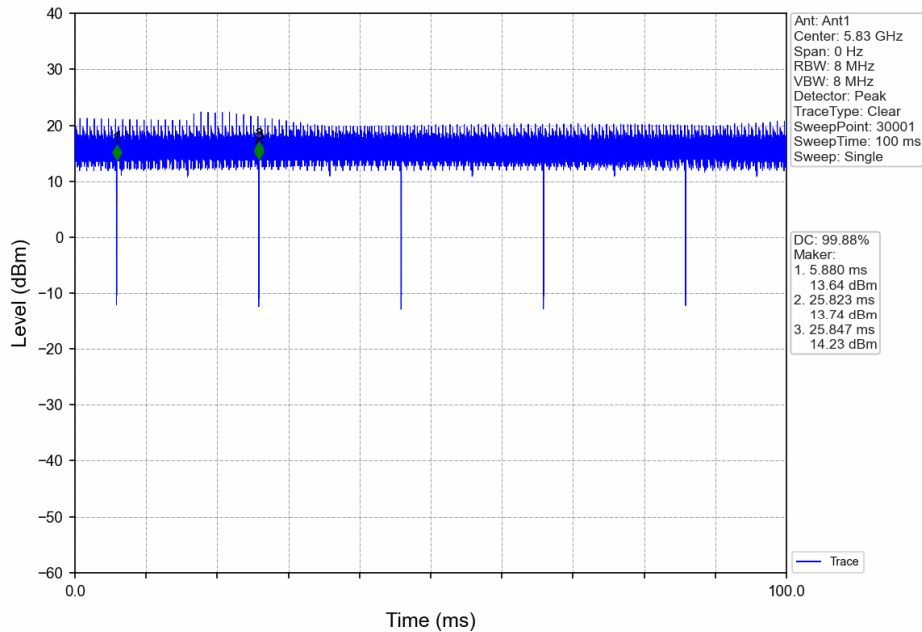
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1.1.2 Test Graph



1_HCH_5829.5MHz_Ant1_NTNV



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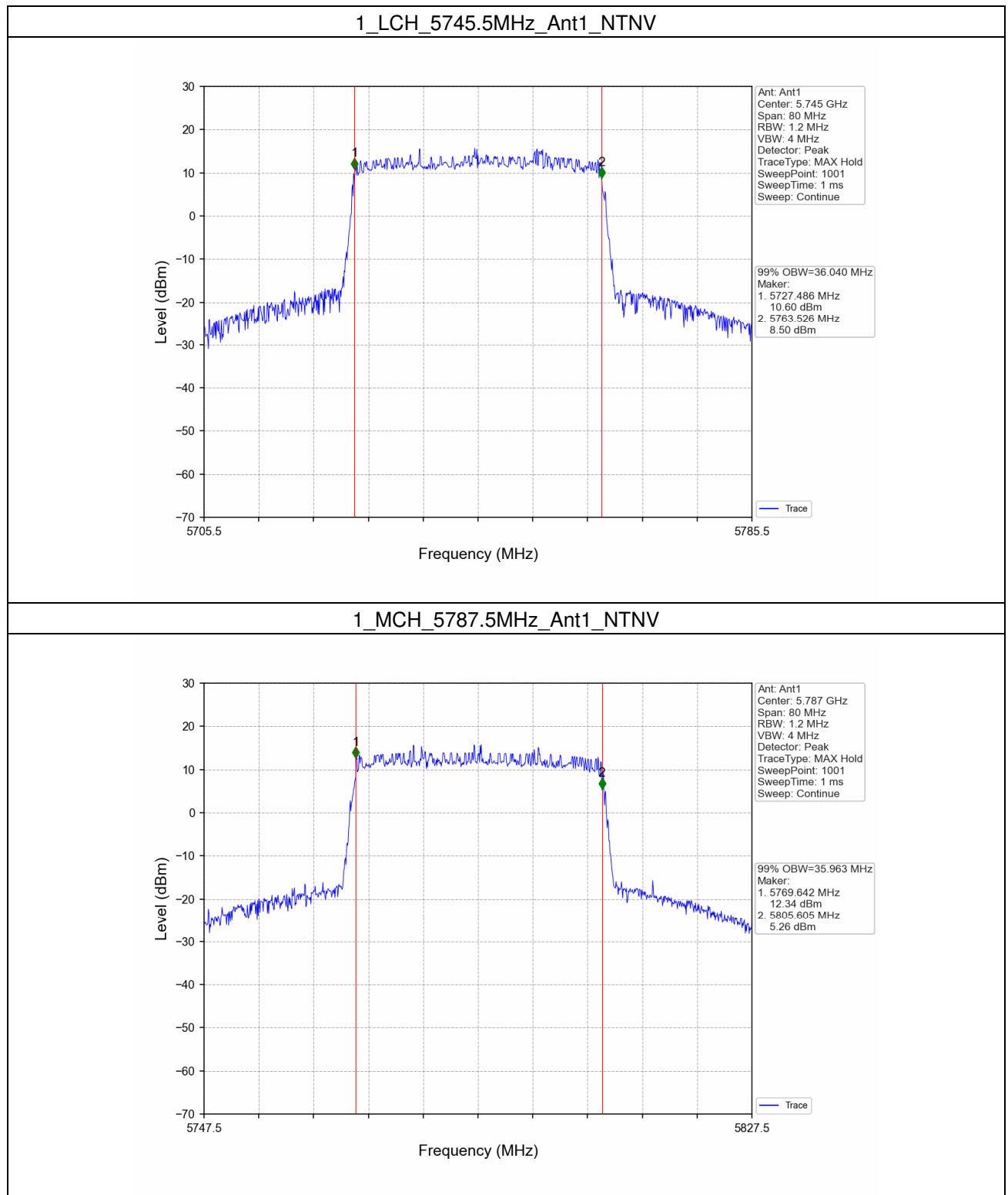
2. Bandwidth

2.1 OBW

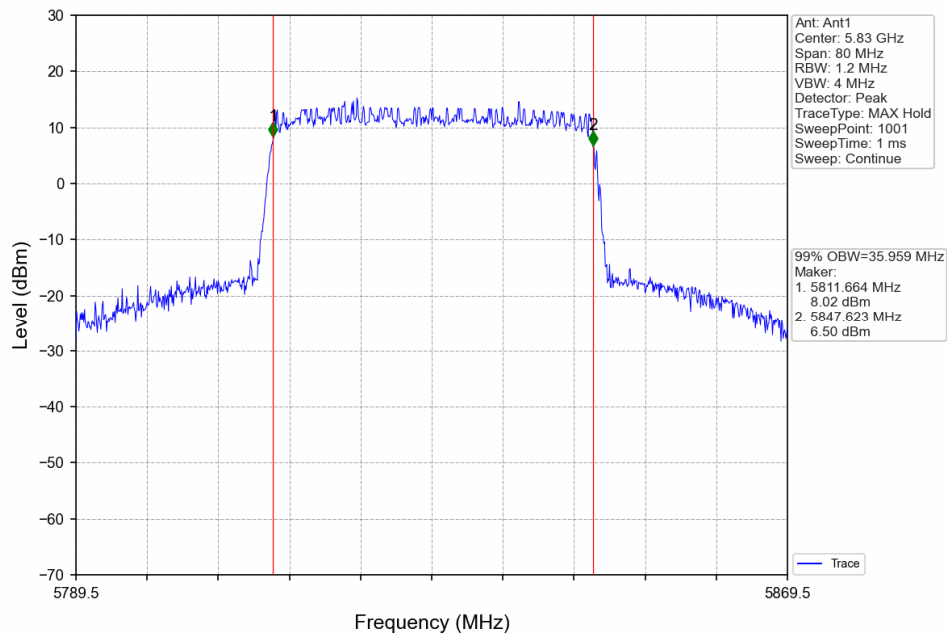
2.1.1 Test Result

Mode	TX Type	Frequency (MHz)	Ant	99% Occupied Bandwidth (MHz)	Limit	Verdict
1	MIMO	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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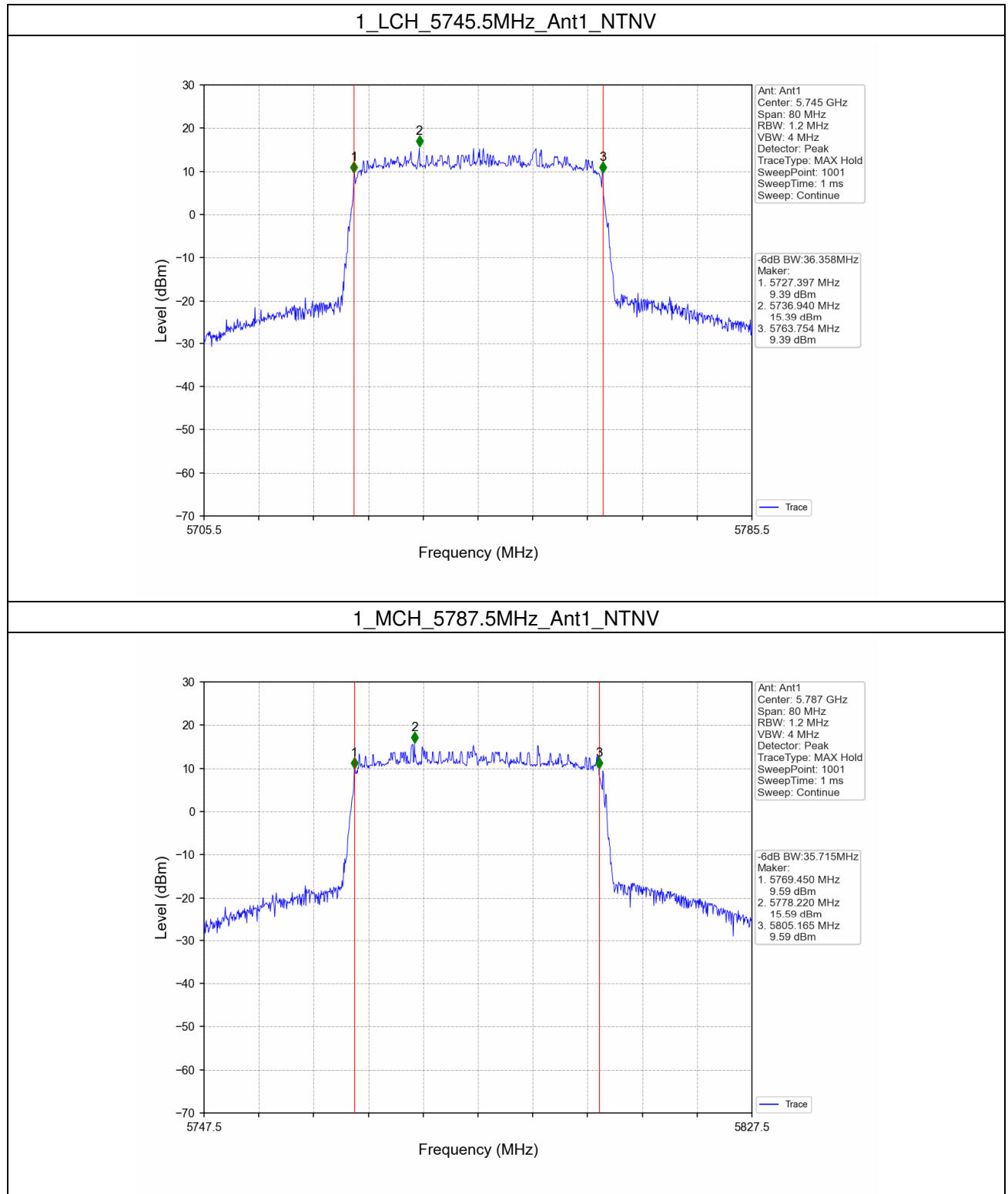
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2.2 6dB BW

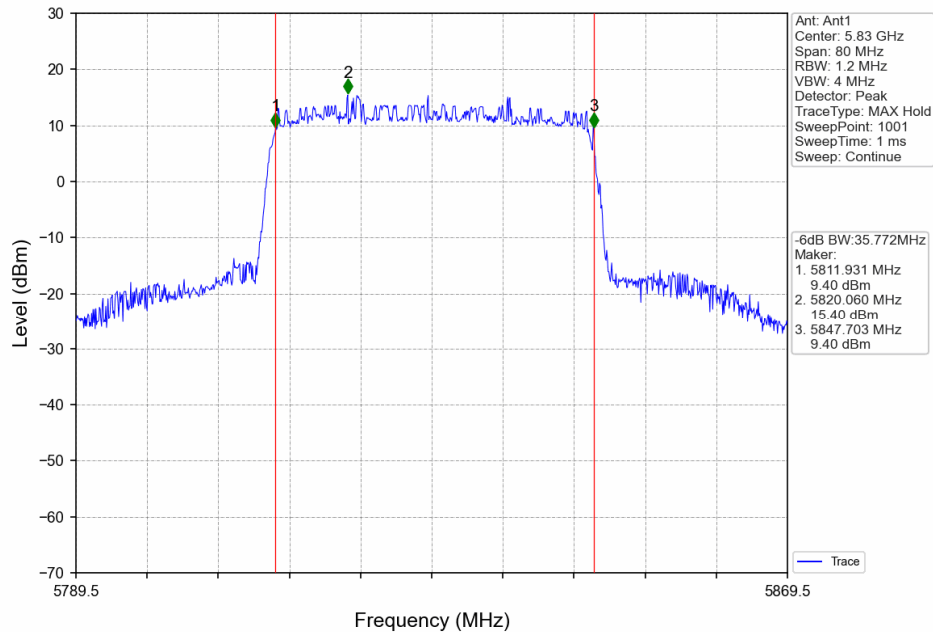
2.2.1 Test Result

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

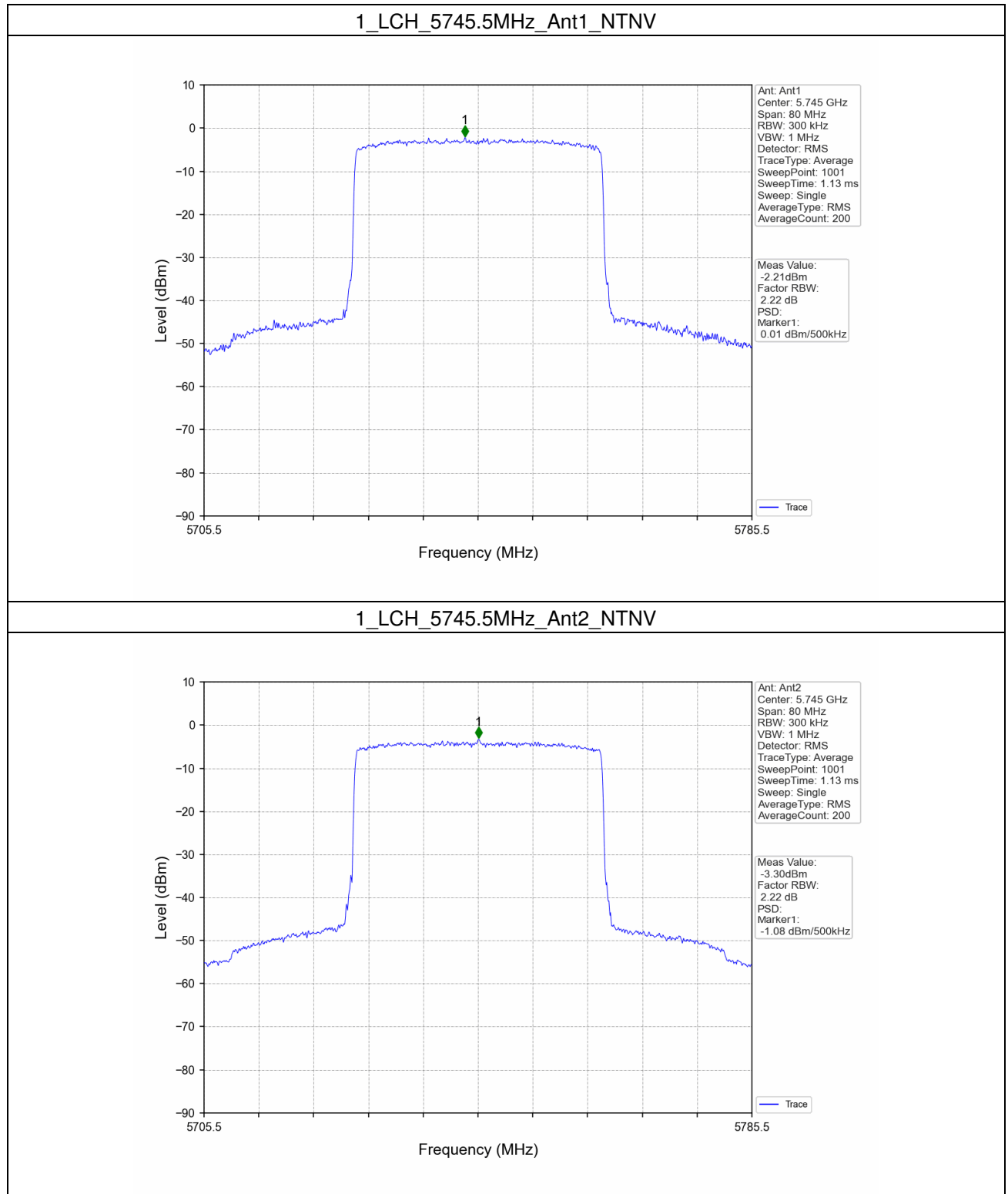
4.1.1 Test Result

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

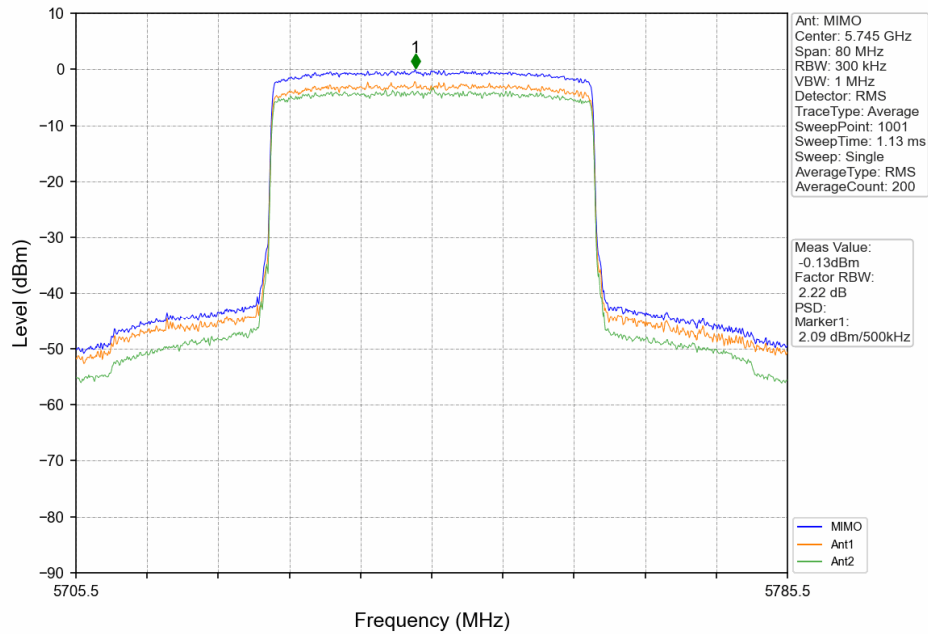
Note1: Antenna Gain: Ant1: 3.50dBi; Ant2: 4.00dBi;

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

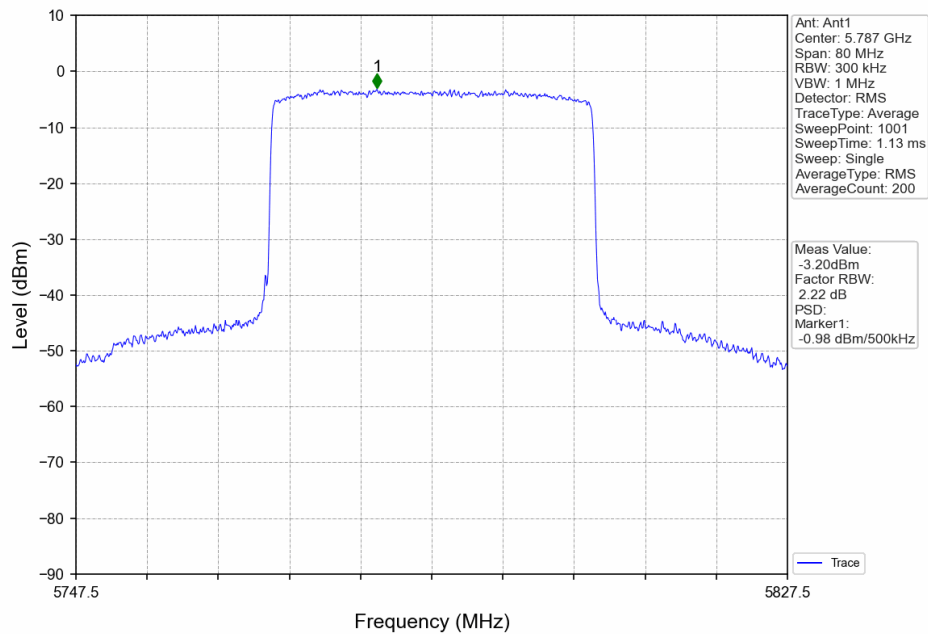
4.1.2 Test Graph



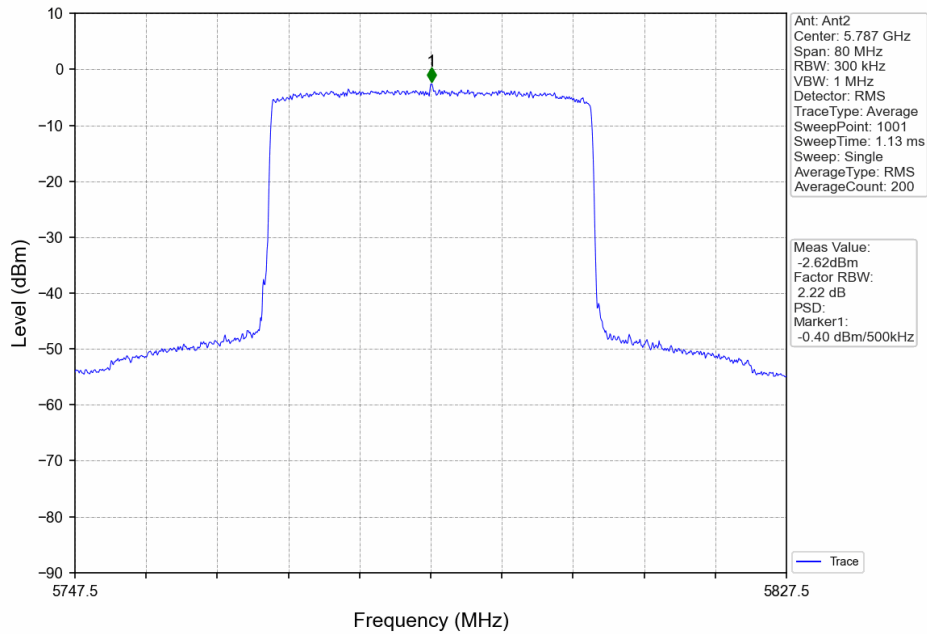
1_LCH_5745.5MHz_MIMO_NTNV



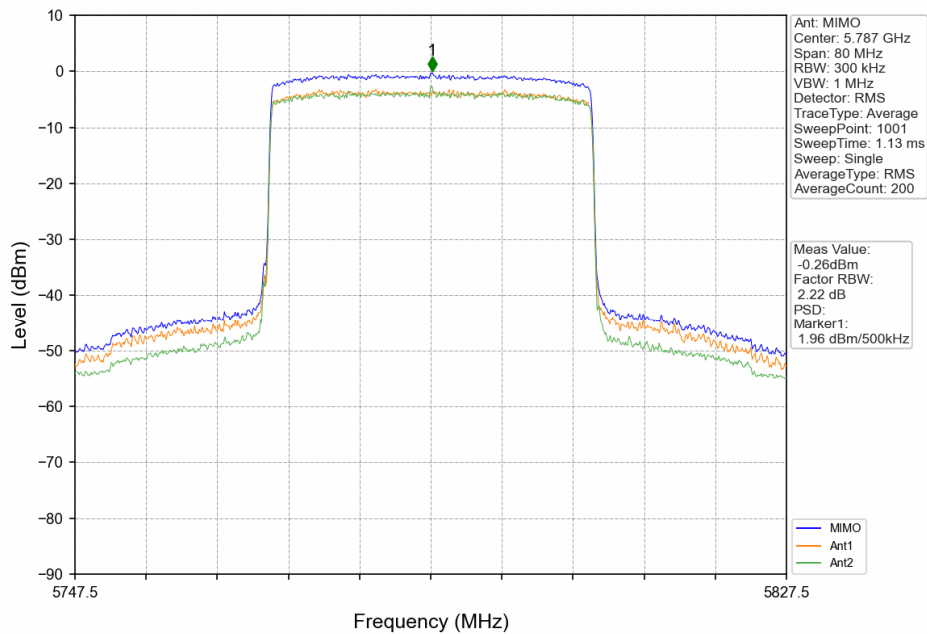
1_MCH_5787.5MHz_Ant1_NTNV



1_MCH_5787.5MHz_Ant2_NTNV

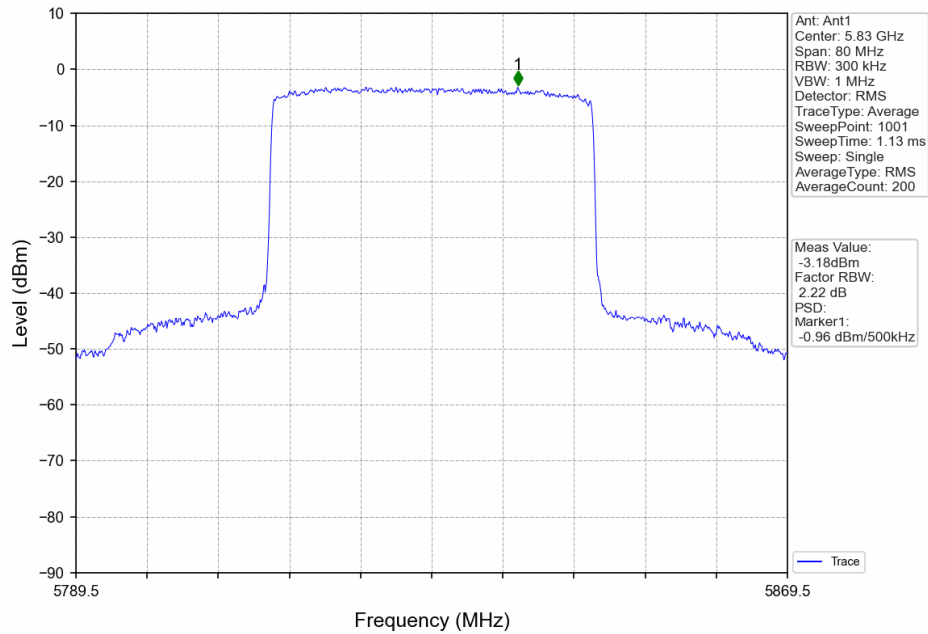


1_MCH_5787.5MHz_MIMO_NTNV

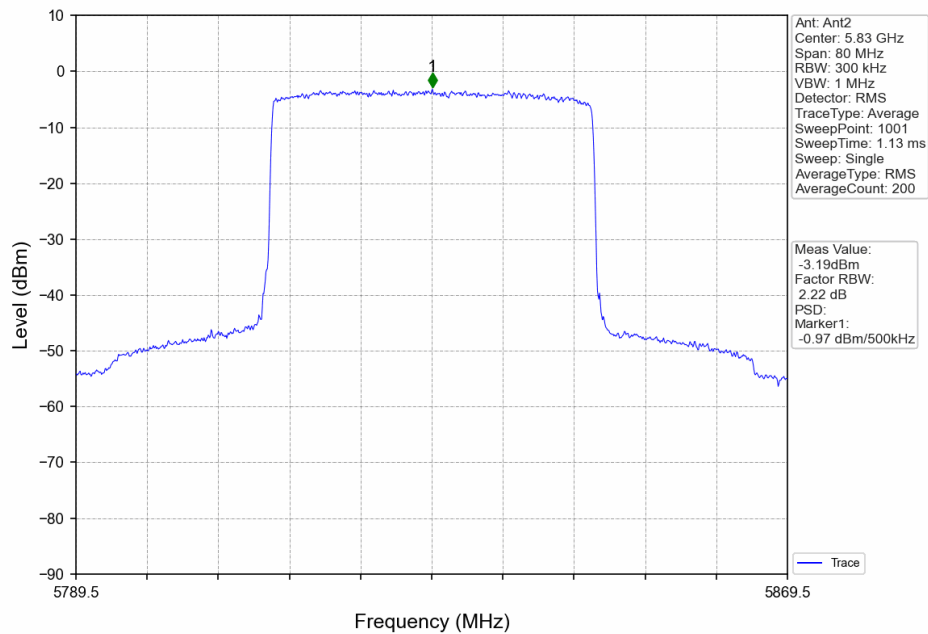


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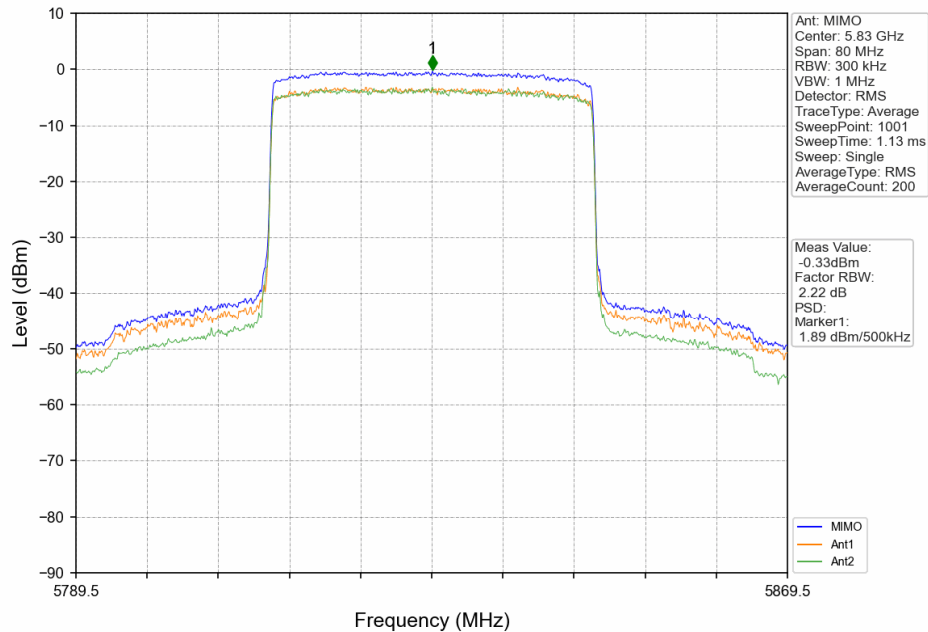
1_HCH_5829.5MHz_Ant1_NTNV



1_HCH_5829.5MHz_Ant2_NTNV



1_HCH_5829.5MHz_MIMO_NTNV



- End of the Report -