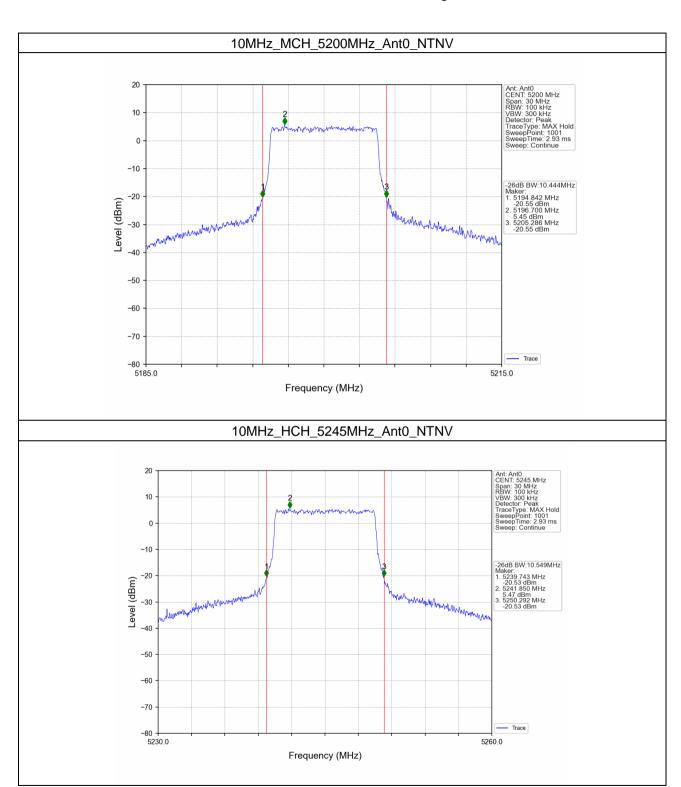


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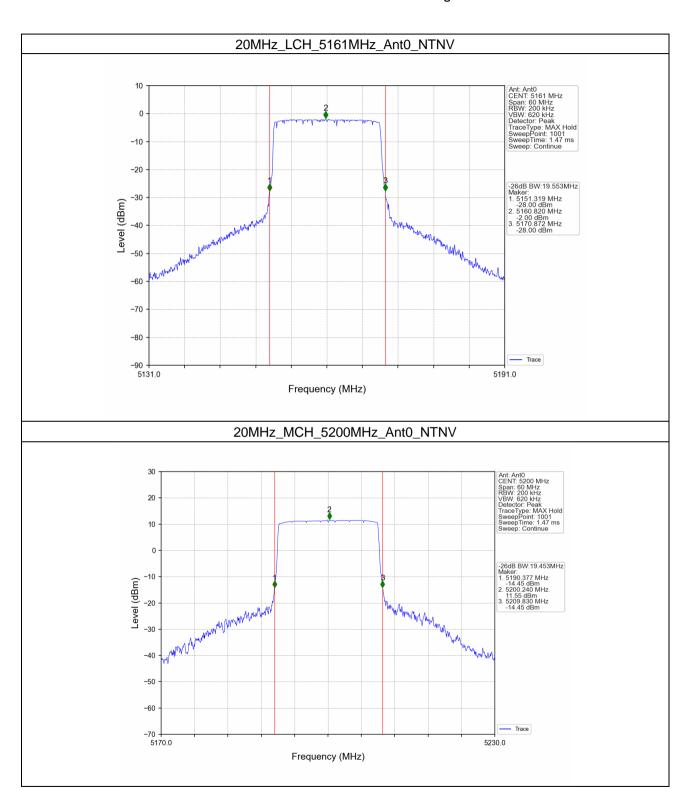
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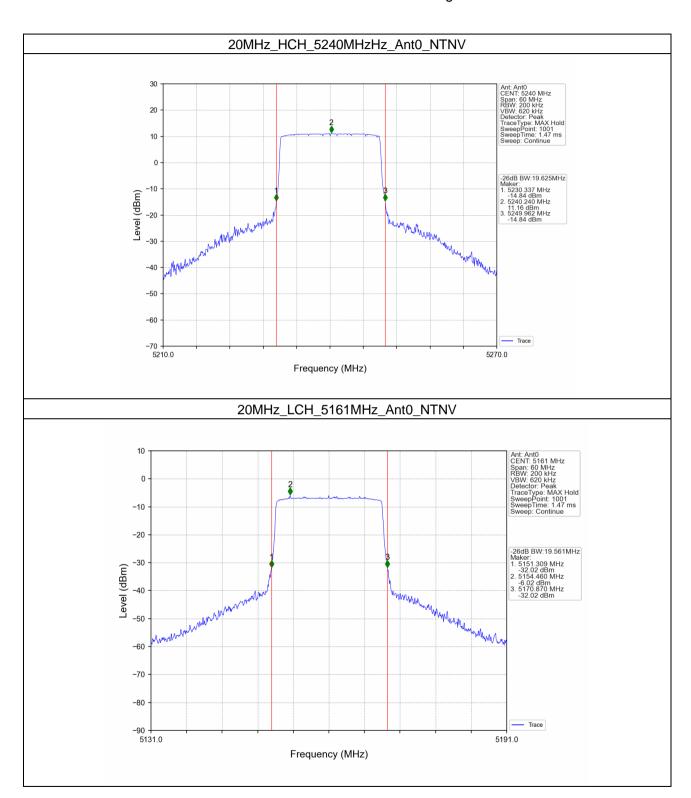
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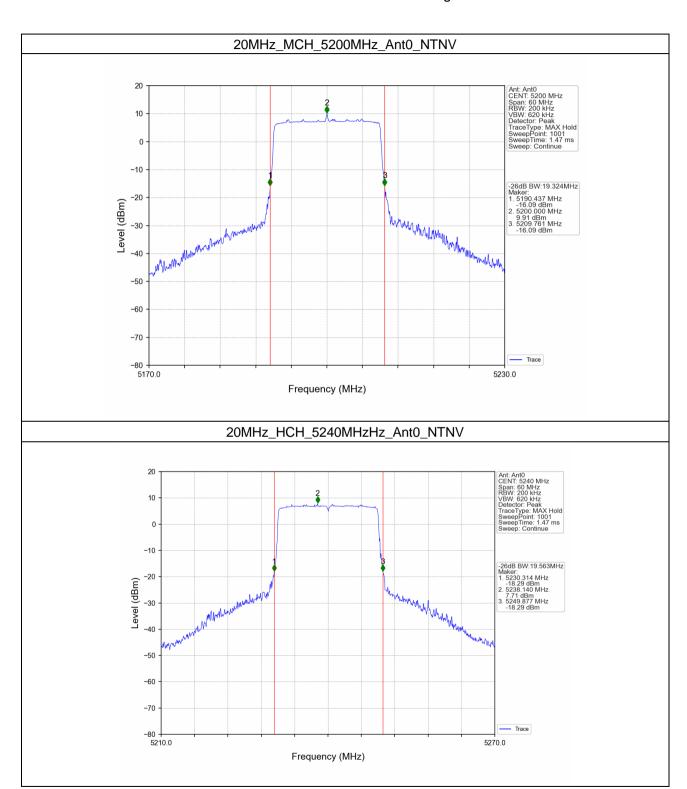
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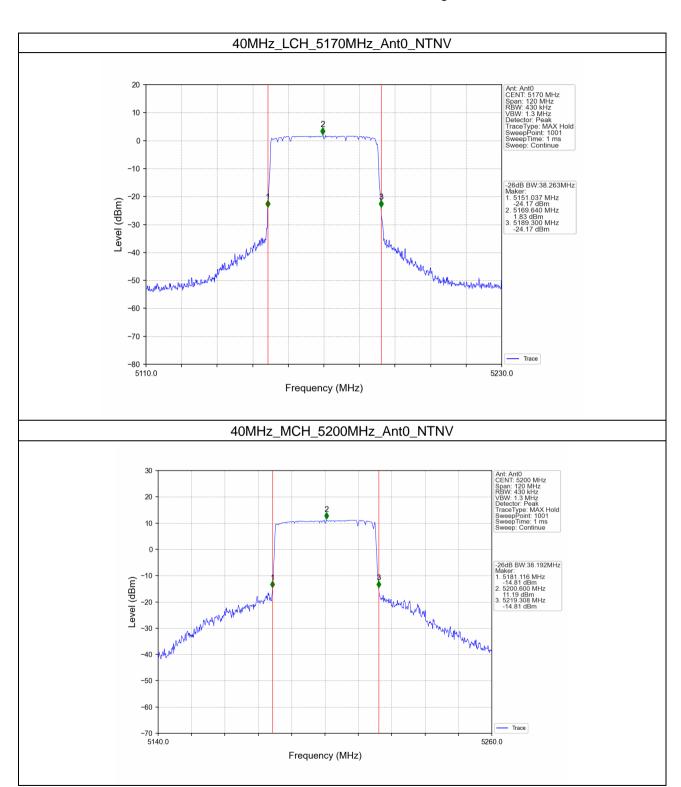
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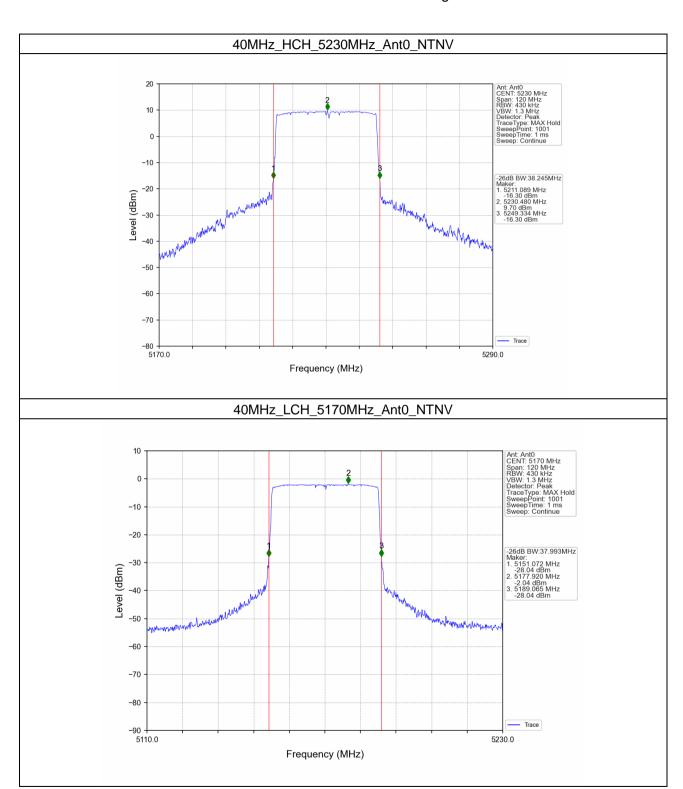
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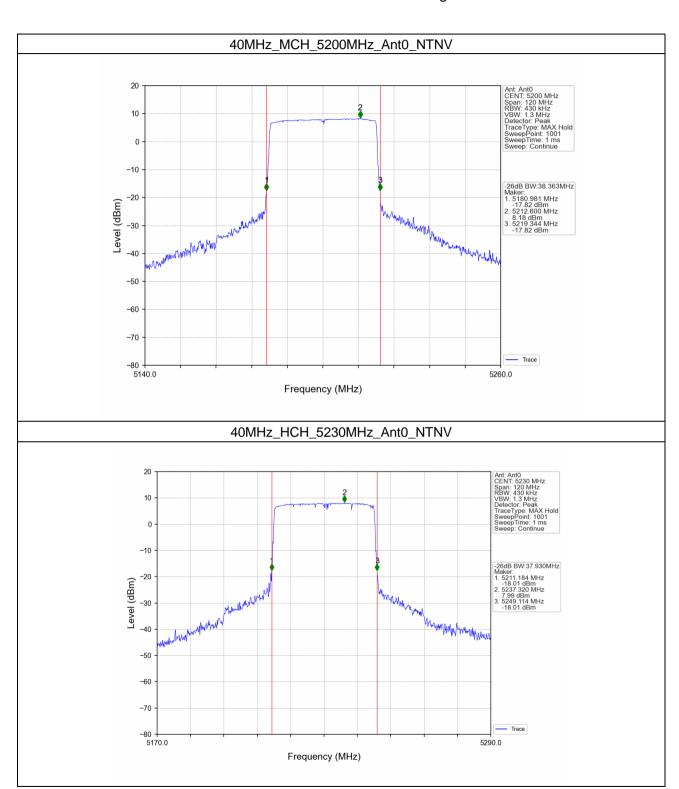
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX Type	Frequency	Maximum	Vardiat				
wode		(MHz)	ANT0	ANT1	MIMO	Limit	Verdict	
		5157	4.89	4.84	/	<=23.98	Pass	
	SISO	5200	19.61	19.26	/	<=23.98	Pass	
10MHz		5245	19.65	18.60	/	<=23.98	Pass	
TOWINZ		5157	1.77	1.50	4.65	<=23.98	Pass	
	MIMO	5200	16.61	16.51	19.57	<=23.98	Pass	
		5245	16.90	15.72	19.36	<=23.98	Pass	
	SISO	5161	5.76	5.47	/	<=23.98	Pass	
		5200	19.14	18.68	/	<=23.98	Pass	
20141-		5240	18.93	18.89	/	<=23.98	Pass	
20MHz	МІМО	5161	2.85	2.66	5.77	<=23.98	Pass	
		5200	16.04	15.45	18.77	<=23.98	Pass	
		5240	16.68	15.99	19.36	<=23.98	Pass	
	SISO		5170	10.19	9.53	/	<=23.98	Pass
		5200	18.83	18.78	/	<=23.98	Pass	
40MHz		5230	18.86	18.72	/	<=23.98	Pass	
	MIMO	5170	6.91	6.49	9.72	<=23.98	Pass	
		5200	16.18	15.47	18.85	<=23.98	Pass	
		5230	15.76	15.99	18.89	<=23.98	Pass	

Note1: Antenna Gain (U-NII-1): ANT0: 1.5dBi; ANT1: 1.5dBi

Directional gain (dBi) for U-NII-1 = gain of individual transmit antennas (dBi) + array gain (dB)=1.5dBi

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



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4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mada	TX Type	Frequency		Verdict			
Mode		(MHz)	ANT0	ANT1	MIMO	Limit	verdict
		5157	-3.70	-3.79	/	<=11	Pass
	SISO	5200	10.93	10.74	/	<=11	Pass
10MHz		5245	10.97	10.39	/	<=11	Pass
TUIVITZ		5157	-6.84	-7.08	-4.17	<=11	Pass
	MIMO	5200	7.90	7.77	10.72	<=11	Pass
		5245	8.26	7.12	10.58	<=11	Pass
	SISO	5161	-5.68	-6.19	/	<=11	Pass
		5200	7.57	7.06	/	<=11	Pass
20MHz		5240	7.34	7.66	/	<=11	Pass
ZUIVITZ	MIMO	5161	-8.71	-7.59	-5.18	<=11	Pass
		5200	4.50	3.92	7.06	<=11	Pass
		5240	5.09	4.34	7.58	<=11	Pass
	SISO	5170	-4.08	-5.02	/	<=11	Pass
		5200	4.41	4.15	/	<=11	Pass
40MHz		5230	4.52	4.21	/	<=11	Pass
	MIMO	5170	-7.46	-8.01	-4.93	<=11	Pass
		5200	1.91	0.89	4.29	<=11	Pass
		5230	1.67	1.46	4.42	<=11	Pass

Note1: Antenna Gain (U-NII-1): ANT0: 1.5dBi; ANT1: 1.5dBi

directional gain (dBi) for U-NII-1 = 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



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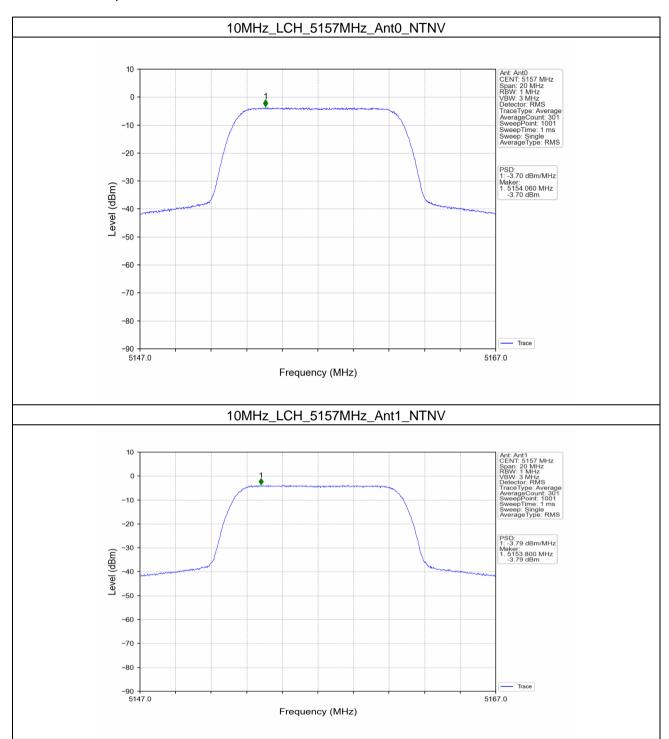


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4.1.2 Test Graph





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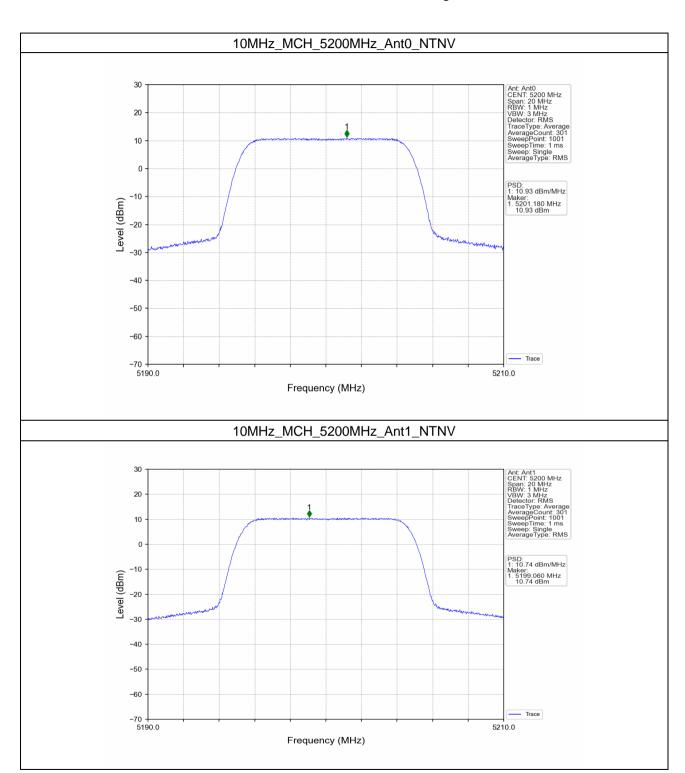
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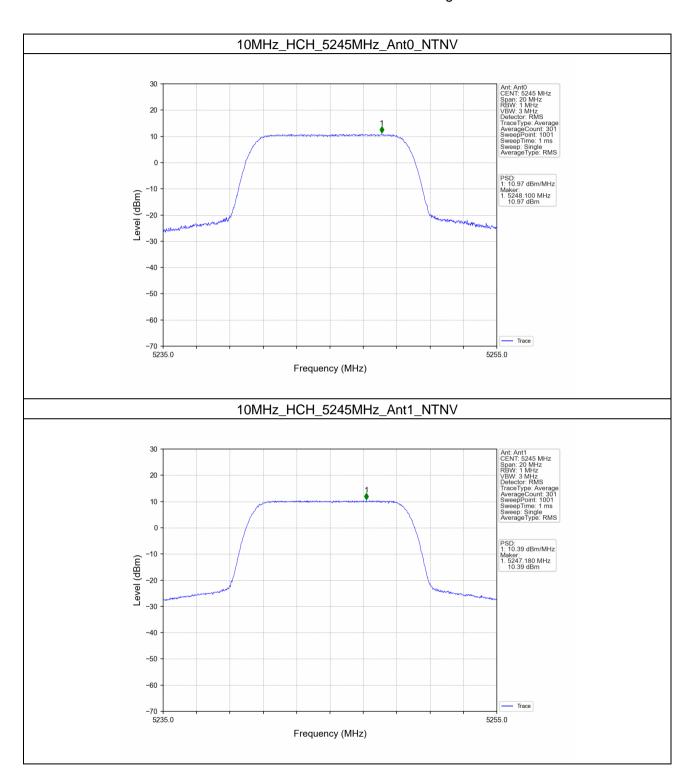
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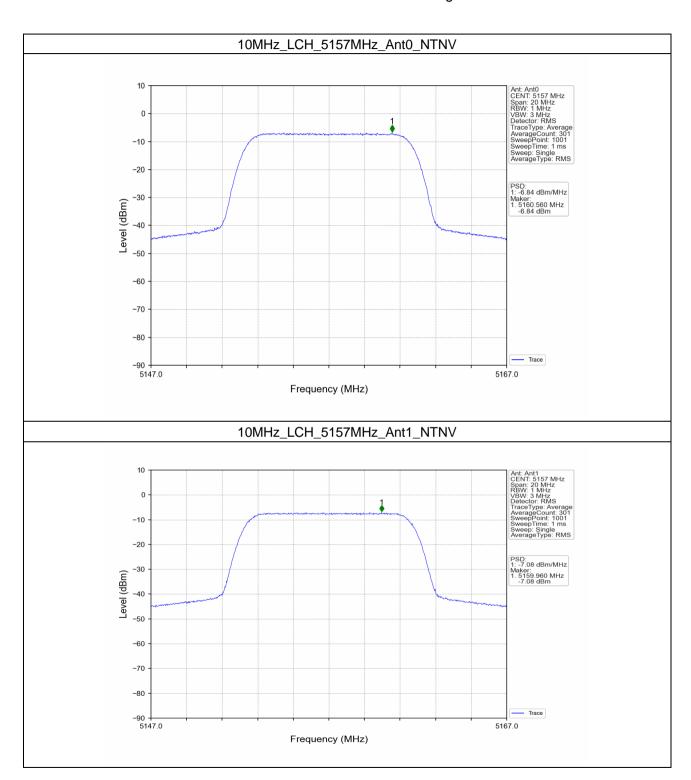
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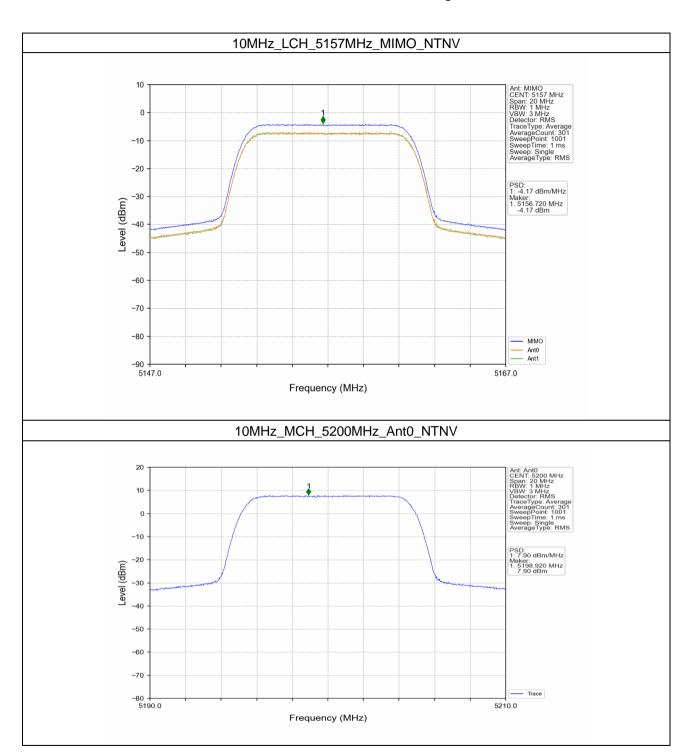
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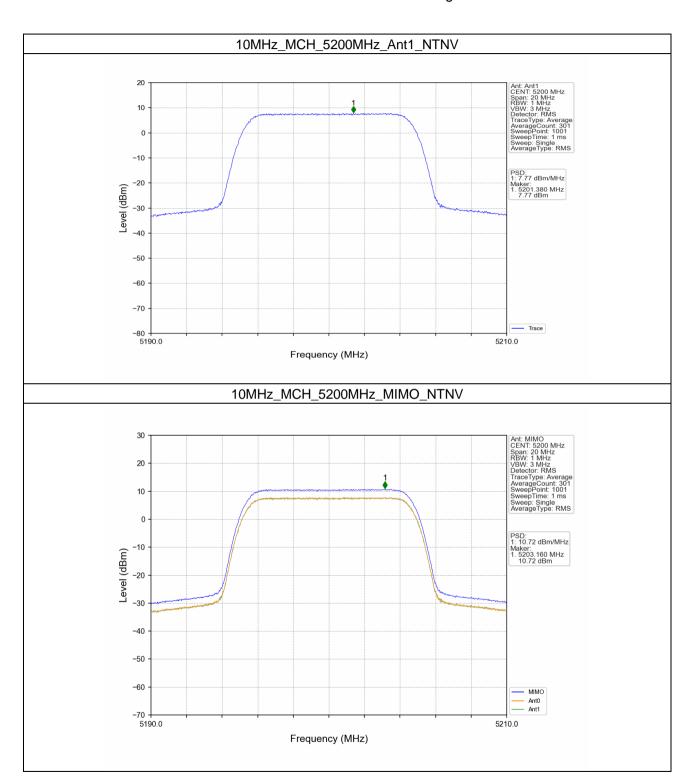
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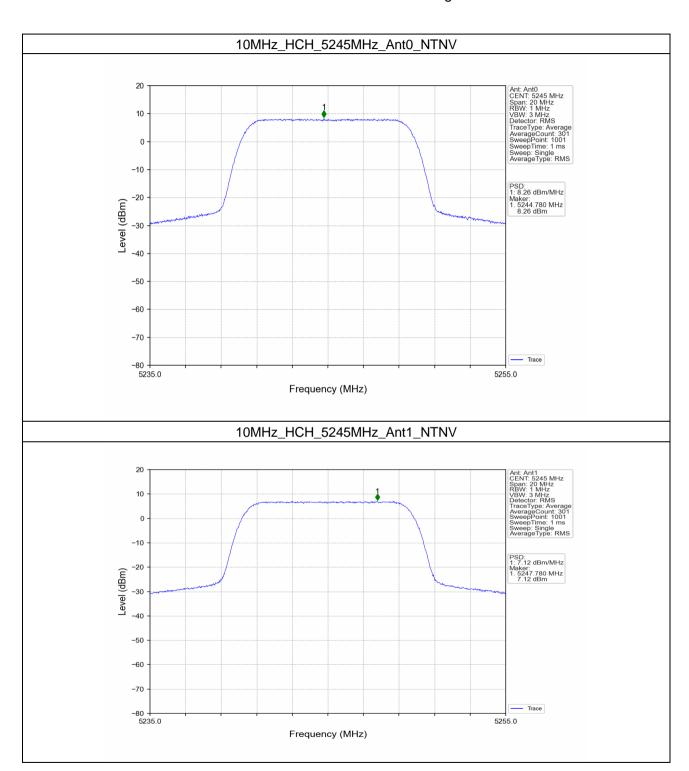
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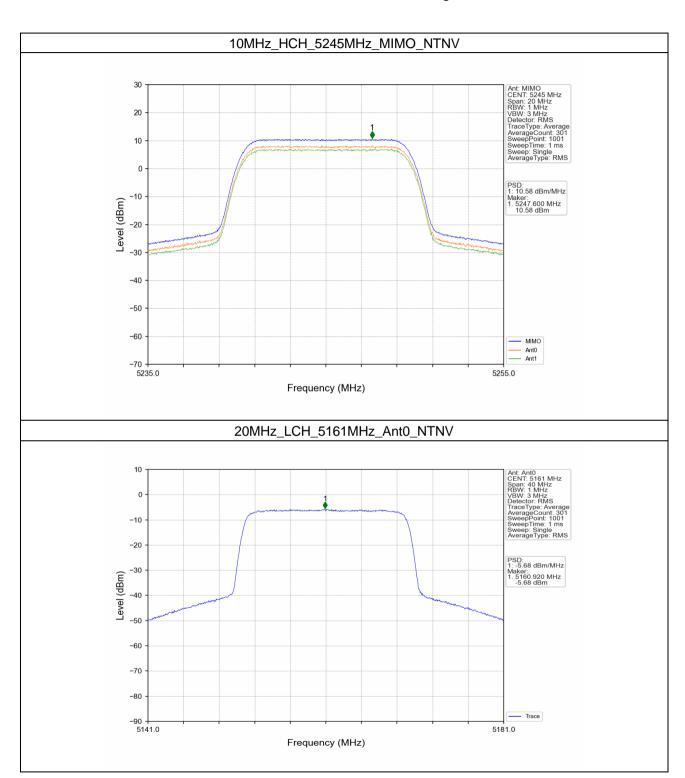
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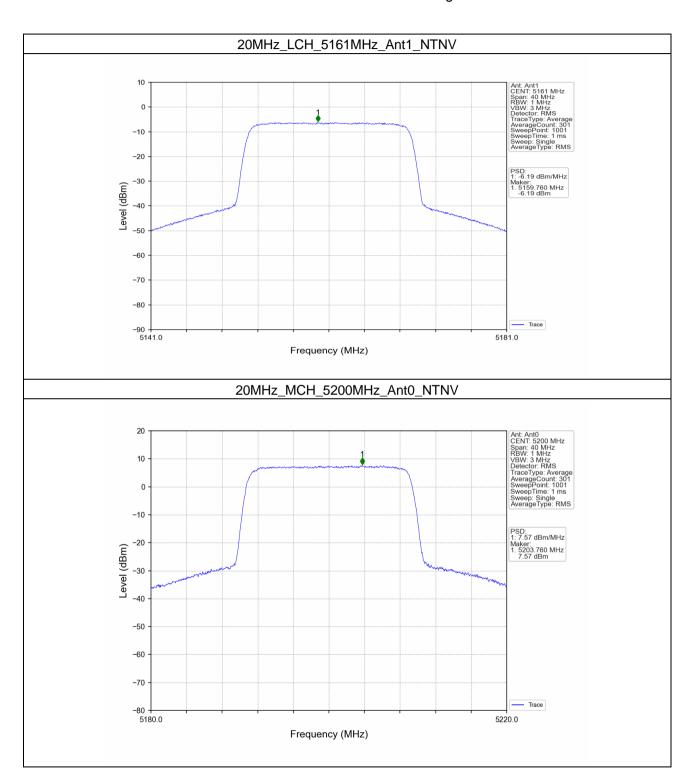
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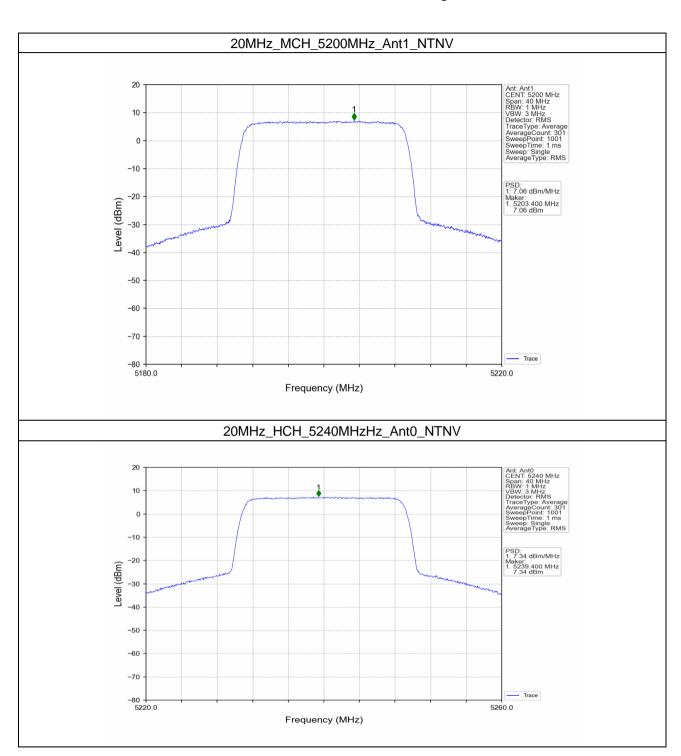
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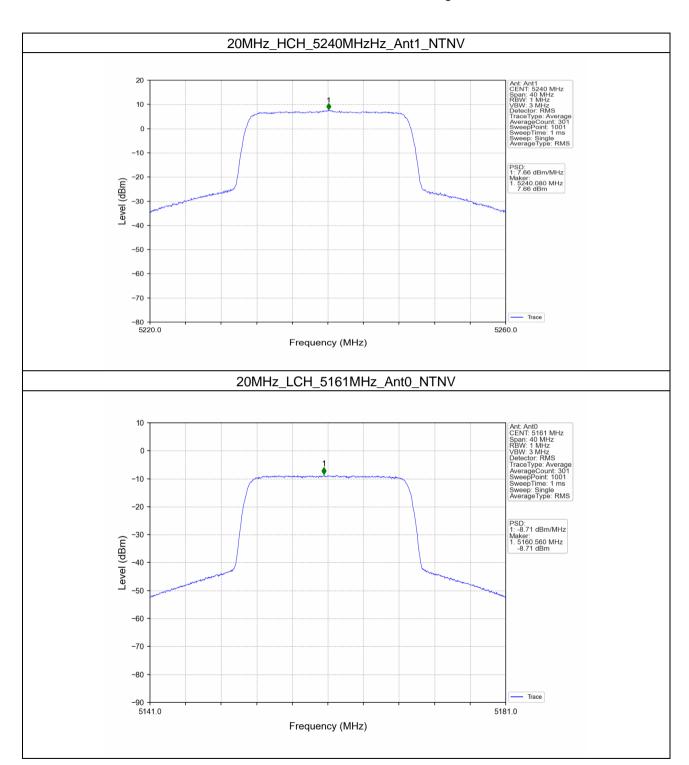
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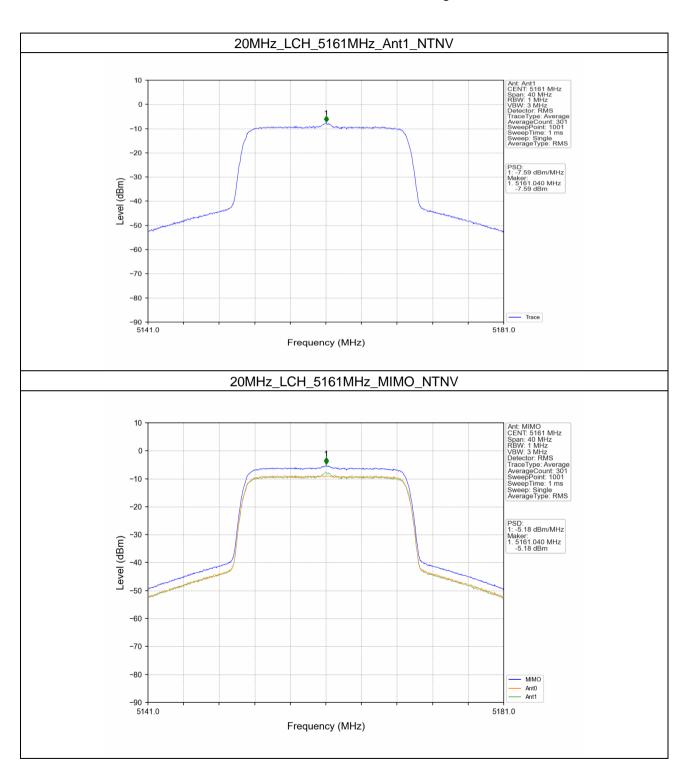
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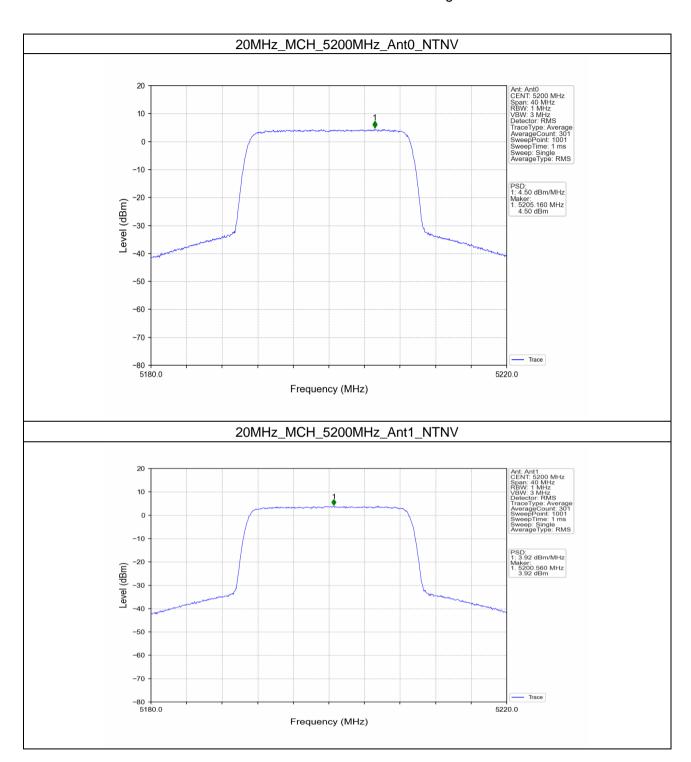
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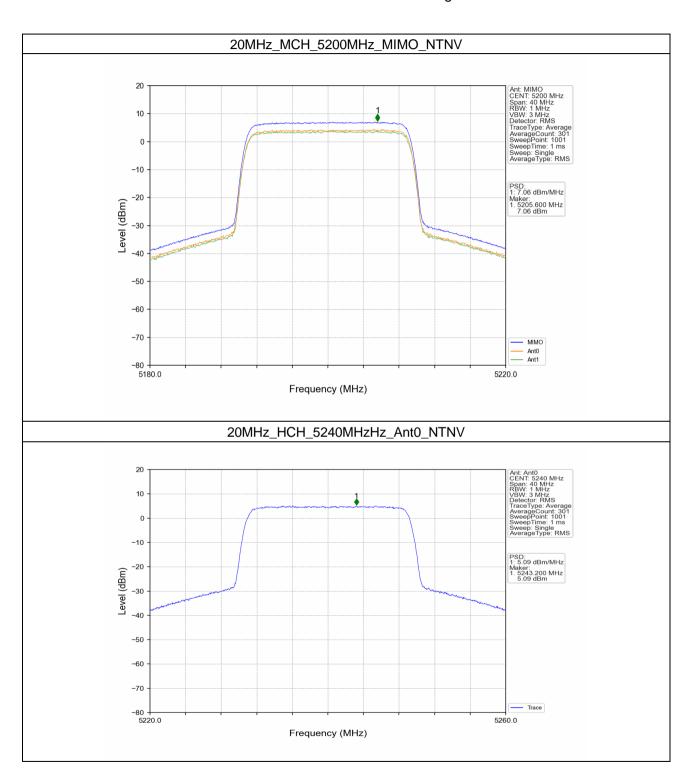
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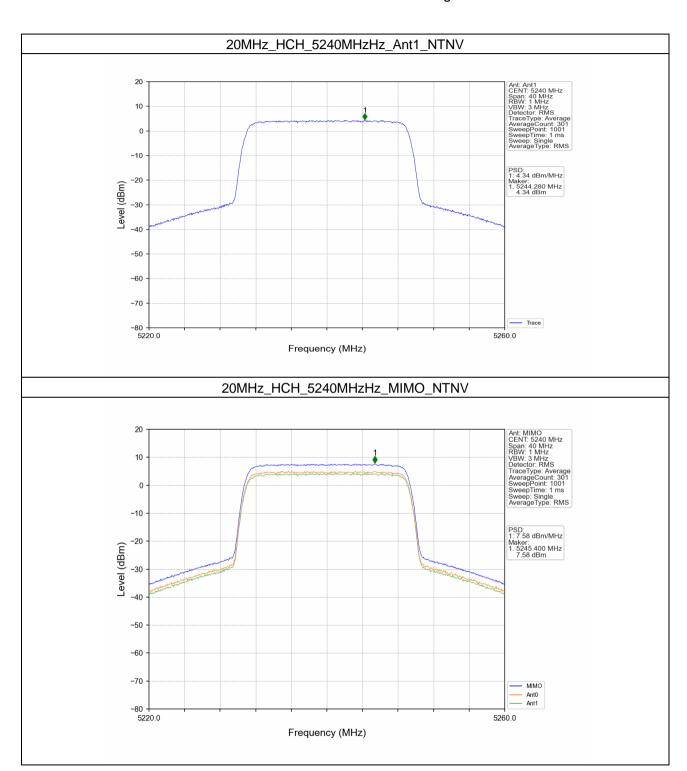
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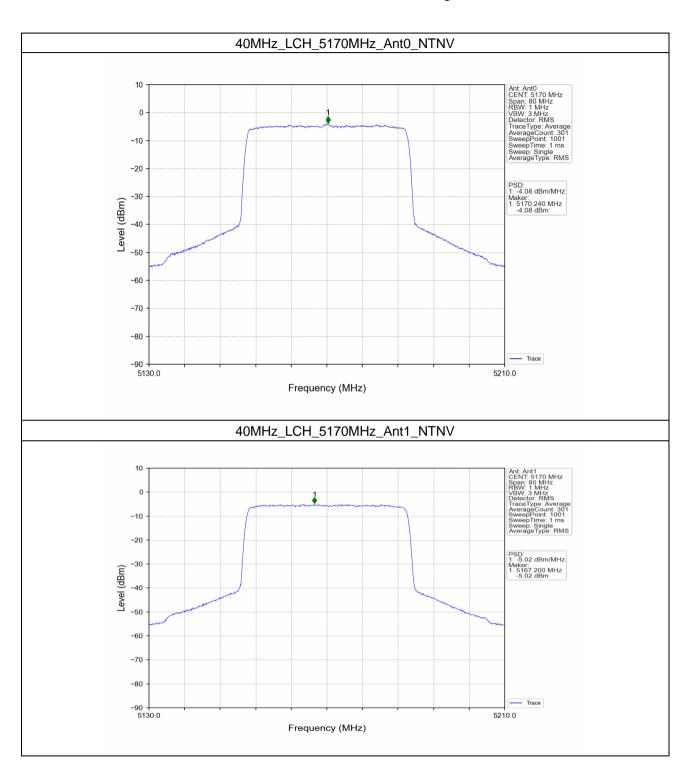
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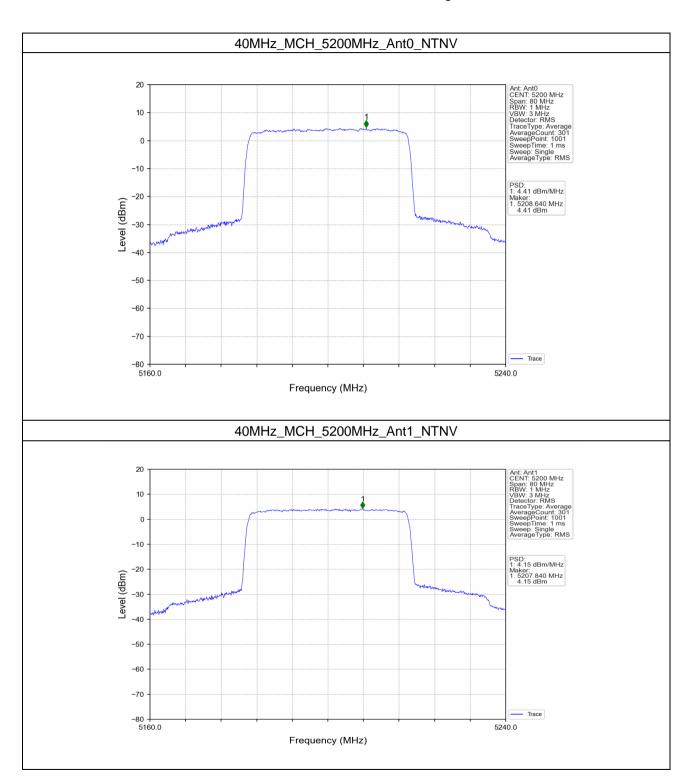
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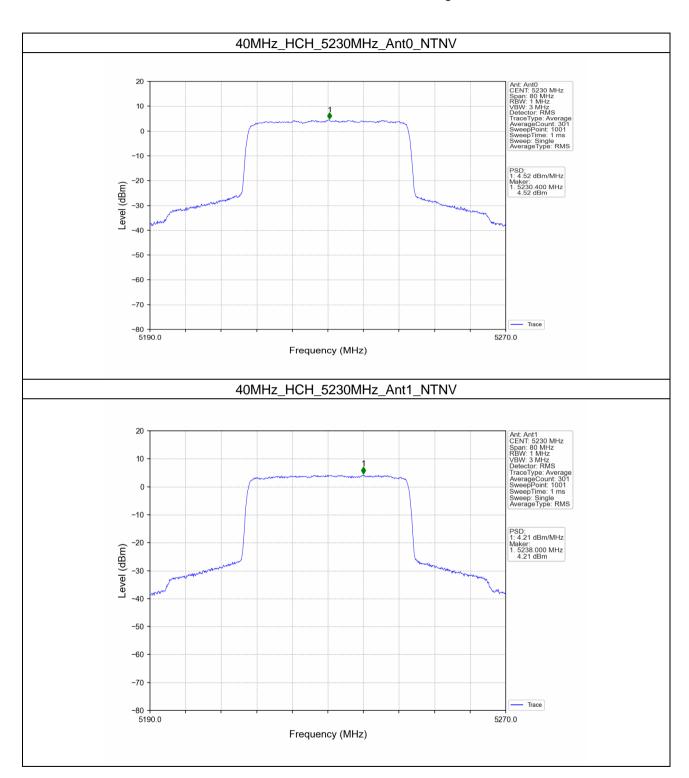
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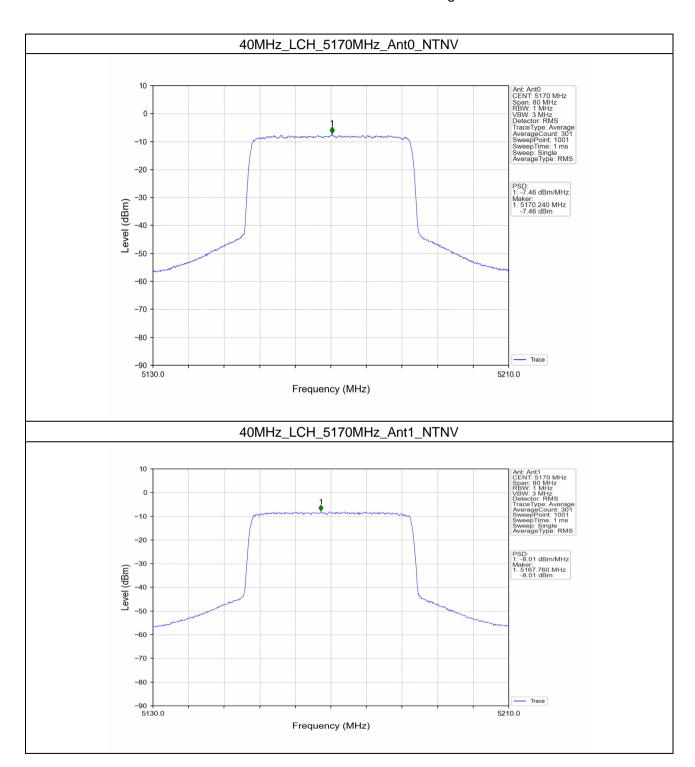
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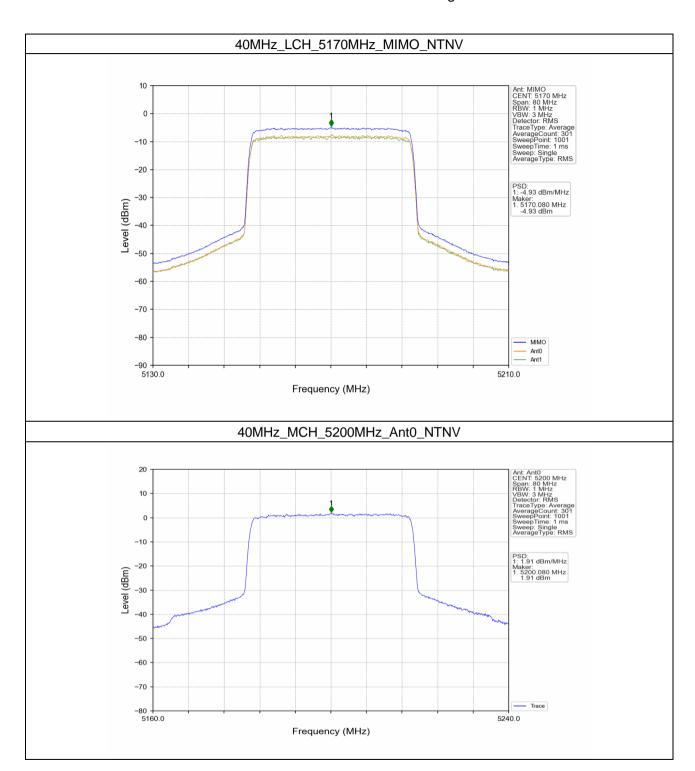
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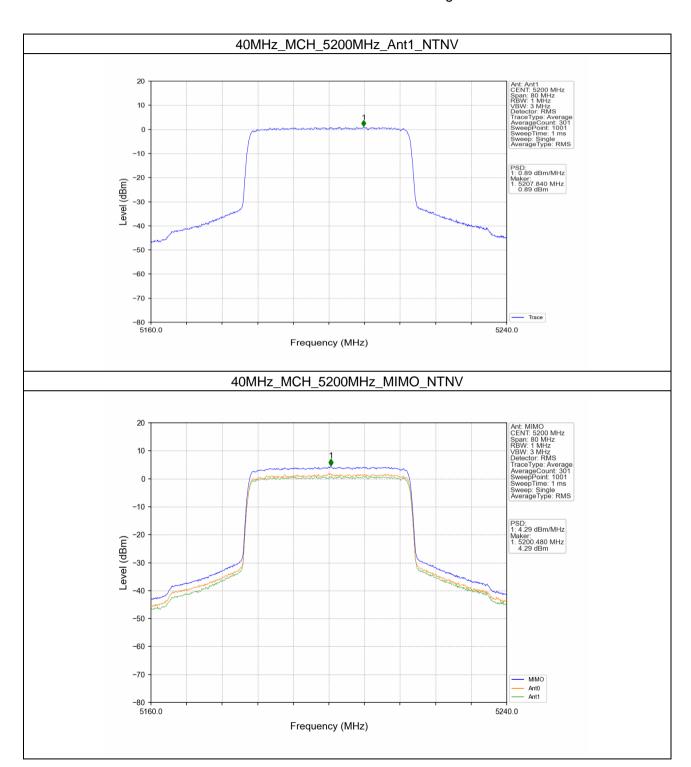
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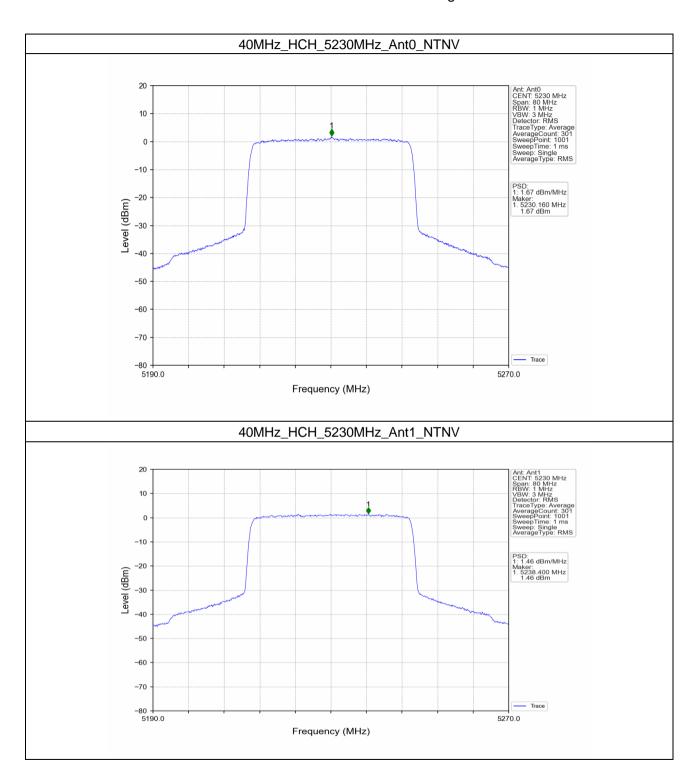
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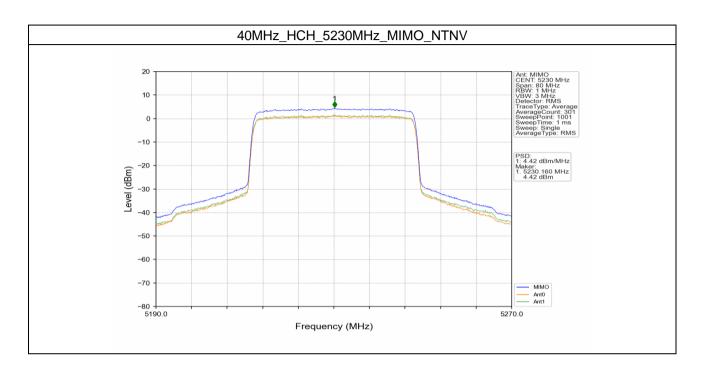
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5. Frequency Stability

5.1 Ant0

5.1.1 Test Result

				Ant0				
Mode	TX Type	Frequency (MHz)	Temperature (°C)	Voltage (VAC)	Measured Frequency (MHz)	Limit (MHz)	Verdict	
				3.06	5157.050	5150 to 5250	Pass	
			20	3.60	5157.050	5150 to 5250	Pass	
				4.14	5157.010	5150 to 5250	Pass	
			-10	3.60	5157.030	5150 to 5250	Pass	
			-5	3.60	5157.050	5150 to 5250	Pass	
		5157	0	3.60	5157.030	5150 to 5250	Pass	
			5	3.60	5157.070	5150 to 5250	Pass	
			10	3.60	5157.060	5150 to 5250	Pass	
			20	3.60	5157.030	5150 to 5250	Pass	
			30	3.60	5157.050	5150 to 5250	Pass	
			40	3.60	5157.040	5150 to 5250	Pass	
		5200	20	3.06	5200.060	5150 to 5250	Pass	
	SISO			3.60	5200.050	5150 to 5250	Pass	
10MHz				4.14	5200.030	5150 to 5250	Pass	
TOWN 12			3130	-10	3.60	5200.040	5150 to 5250	Pass
			-5	3.60	5200.020	5150 to 5250	Pass	
			0	3.60	5200.010	5150 to 5250	Pass	
			5	3.60	5200.010	5150 to 5250	Pass	
			10	3.60	5200.020	5150 to 5250	Pass	
				20	3.60	5200.030	5150 to 5250	Pass
				30	3.60	5200.060	5150 to 5250	Pass
			40	3.60	5200.030	5150 to 5250	Pass	
		5245		3.06	5245.040	5150 to 5250	Pass	
			20	3.60	5245.060	5150 to 5250	Pass	
			5245		4.14	5245.020	5150 to 5250	Pass
		3243	-10	3.60	5245.020	5150 to 5250	Pass	
			-5	3.60	5245.030	5150 to 5250	Pass	
			0	3.60	5245.030	5150 to 5250	Pass	



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	20MHz	SISO	5161	20	3.06	5161.060	5150 to 5250	Pass	



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				3.60	5161.060	5150 to 5250	Pass
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			10	3.60	5161.080	5150 to 5250	Pass
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		5240	0	3.60	5240.040	5150 to 5250	Pass
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			20	3.60	5240.040	5150 to 5250	Pass
			30	3.60	5240.020	5150 to 5250	Pass
			40	3.60	5240.100	5150 to 5250	Pass
				3.06	5170.080	5150 to 5250	Pass
			20	3.60	5170.160	5150 to 5250	Pass
				4.14	5170.120	5150 to 5250	Pass
			-10	3.60	5170.120	5150 to 5250	Pass
		5170	-5	3.60	5170.120	5150 to 5250	Pass
			0	3.60	5170.160	5150 to 5250	Pass
40MHz	SISO		5	3.60	5170.120	5150 to 5250	Pass
			10	3.60	5170.120	5150 to 5250	Pass
			20	3.60	5170.120	5150 to 5250	Pass
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			4.14	5200.080	5150 to 5250	Pass
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			4.14	5170.120	5150 to 5250	Pass
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		-5	3.60	5170.160	5150 to 5250	Pass
	5170	0	3.60	5170.080	5150 to 5250	Pass
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30 3.60 5230.080 5150 to 5250 Pass			30	3.60	5230.080	5150 to 5250	Pass
40 3.60 5230.080 5150 to 5250 Pass			40	3.60	5230.080	5150 to 5250	Pass



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5.1G SDR Partial mode: SISO

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 (%)			
		5156	100.000	100.000	100.00	0.00	0.00			
20M RU	SISO	5195	100.000	100.000	100.00	0.00	0.00			
		5245	100.000	100.000	100.00	0.00	0.00			
		5160	100.000	100.000	100.00	0.00	0.00			
40M RU	SISO	5190	100.000	100.000	100.00	0.00	0.00			
		5240	100.000	100.000	100.00	0.00	0.00			



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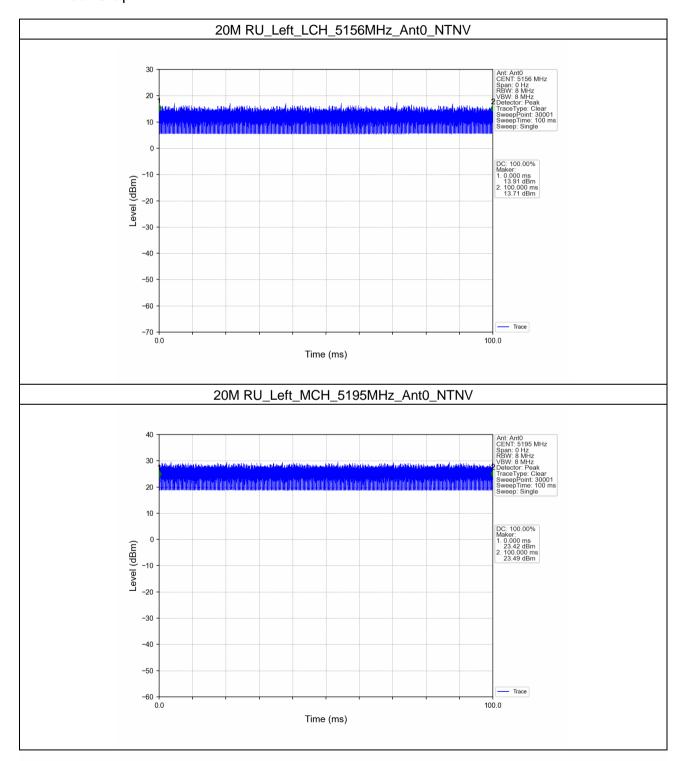


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1.1.2 Test Graph





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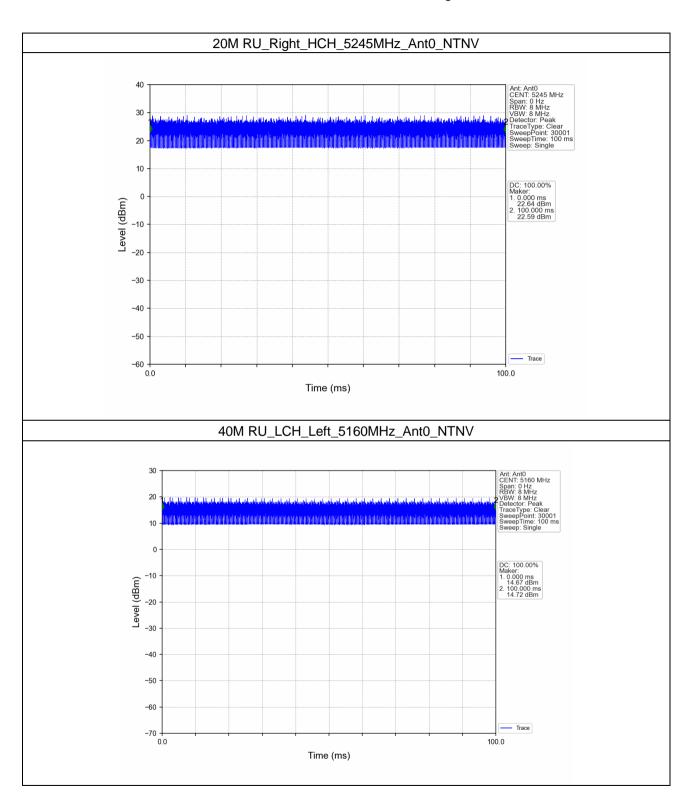
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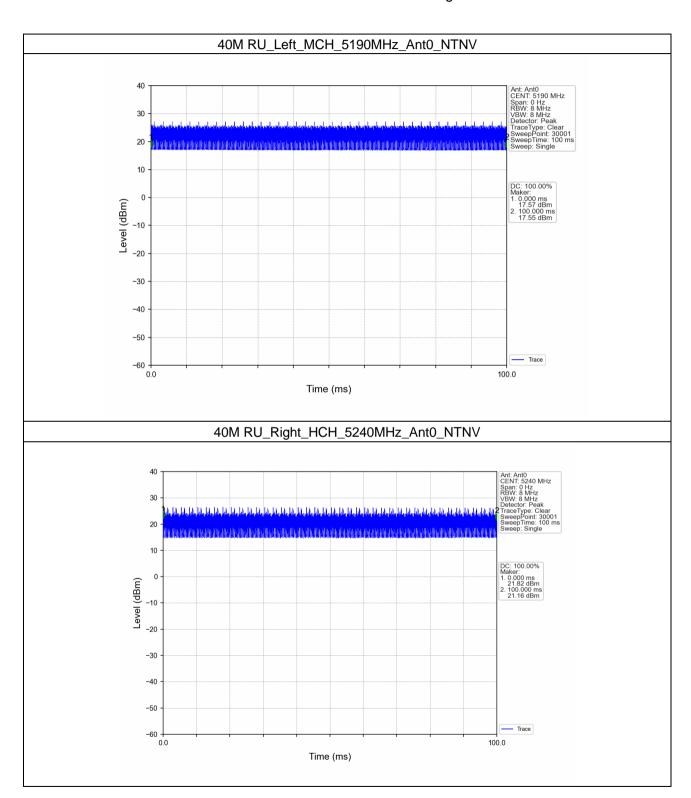
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2. Bandwidth

2.1 OBW

2.1.1 Test Result

Mode TX Type	Frequency	ANIT	99% Occupied Bandwidth (MHz)	Vardiet	
	Type	(MHz)	ANT	Result	Verdict
		5156		8.173	Pass
20M RU SIS	SISO	5195	0	9.839	Pass
		5245	0	8.157	Pass
		5160	0	15.059	Pass
40M RU	SISO	5190	0	15.115	Pass
		5240	0	15.056	Pass



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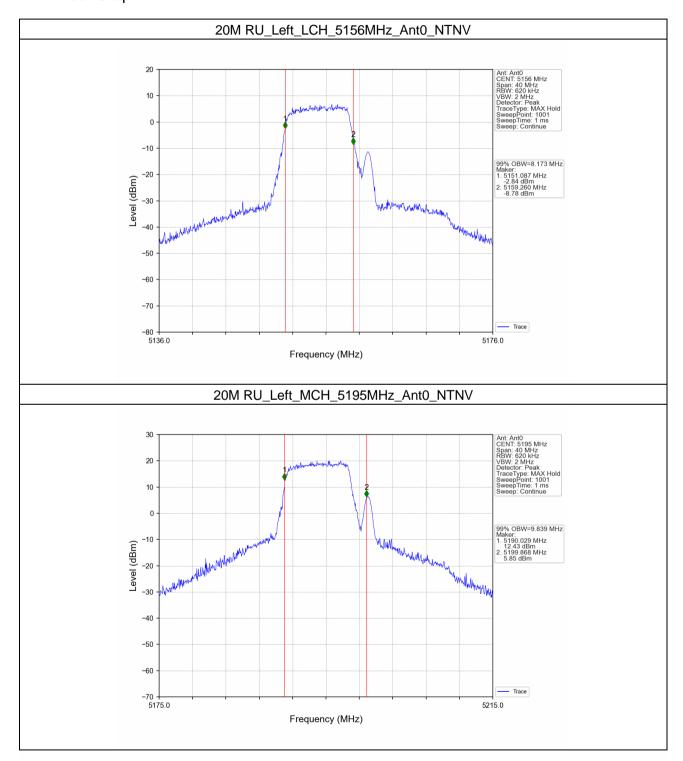


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2.1.2 Test Graph





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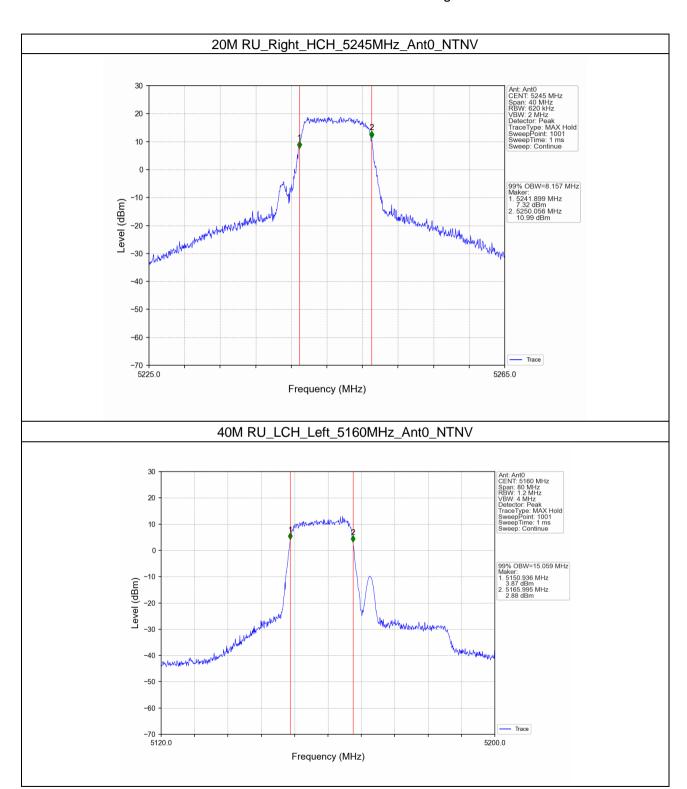
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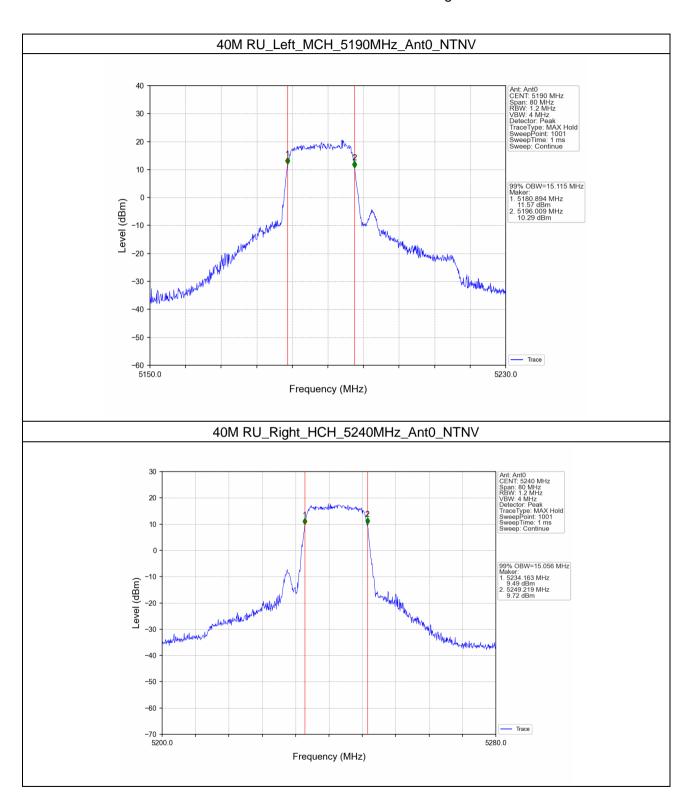
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2.2 26dB BW

2.2.1 Test Result

Made TX		Frequency	ANIT	26dB Bandwidth (MHz)	Vardiat
Mode	Type	(MHz)	ANT	Result	Verdict
		5156	0	10.770	Pass
20M RU	SISO	5195	0	10.954	Pass
		5245	0	10.703	Pass
		5160	0	20.288	Pass
40M RU	SISO	5190	0	20.121	Pass
		5240	0	20.280	Pass



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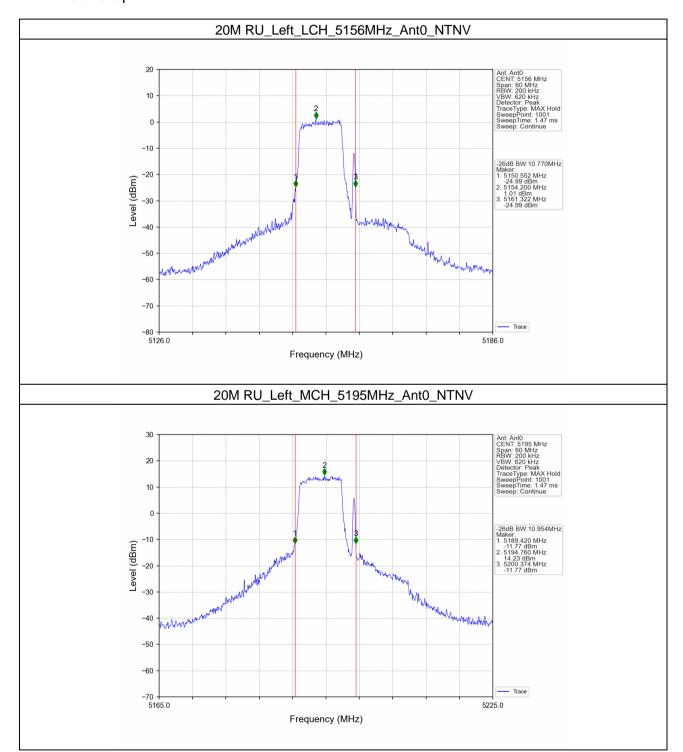


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2.2.2 Test Graph





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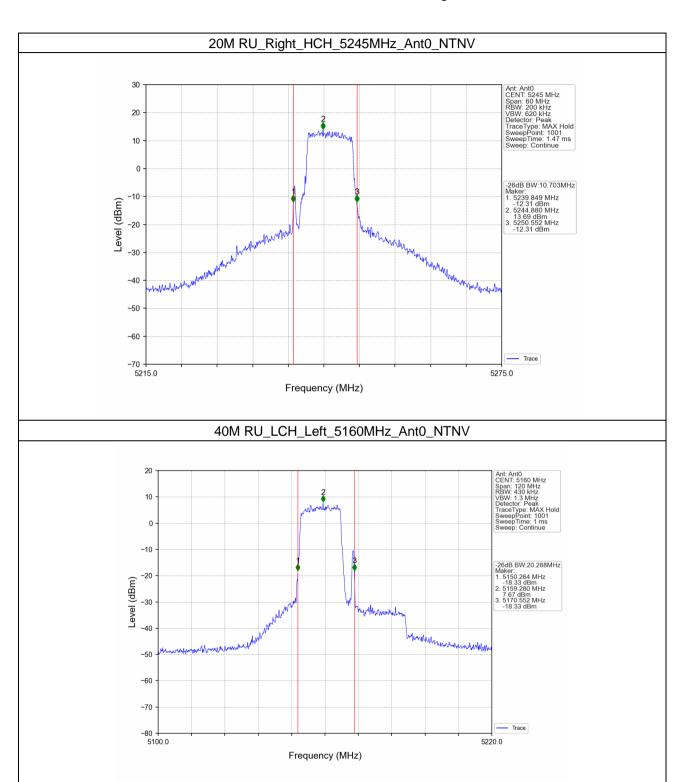
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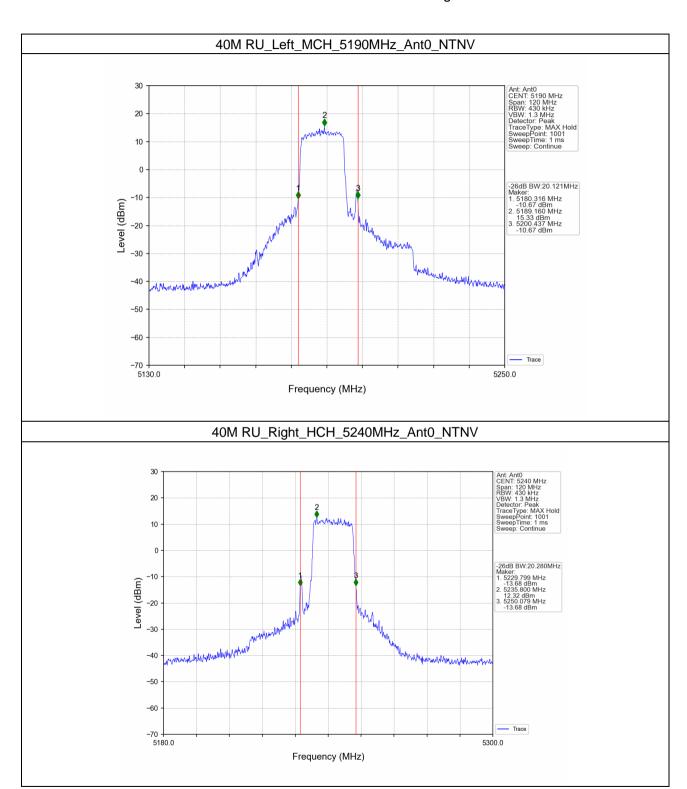
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3. Maximum Conducted Output Power

3.1 Power

3.1.1 Test Result

Mode	TX	Frequency	Maximum Avera	\/ordist					
Mode Type	(MHz)	ANT0	ANT1	Limit	Verdict				
		5156	5.96	5.61	<=23.98	Pass			
20M RU	SISO	5195	17.33	17.73	<=23.98	Pass			
					5245	17.42	17.45	<=23.98	Pass
		5160	7.23	7.37	<=23.98	Pass			
40M RU SISO	5190	17.66	18.04	<=23.98	Pass				
		5240	17.42	17.30	<=23.98	Pass			
Note1: Ante	Note1: Antenna Gain: Ant0: 1.50dBi; Ant1: 1.50dBi;								

4. Maximum Power Spectral Density

4.1 PSD

4.1.1 Test Result

Mode -	TX	Frequency	Maxir	\/ovdict		
	Type	(MHz)	ANT0	ANT1	Limit	Verdict
20M RU SISO	5156	-1.31	-1.89	<=11	Pass	
	SISO	5195	8.75	8.99	<=11	Pass
		5245	9.91	9.92	<=11	Pass
40M RU SISO		5160	-3.52	-3.49	<=11	Pass
	SISO	5190	6.70	7.25	<=11	Pass
		5240	7.30	7.32	<=11	Pass



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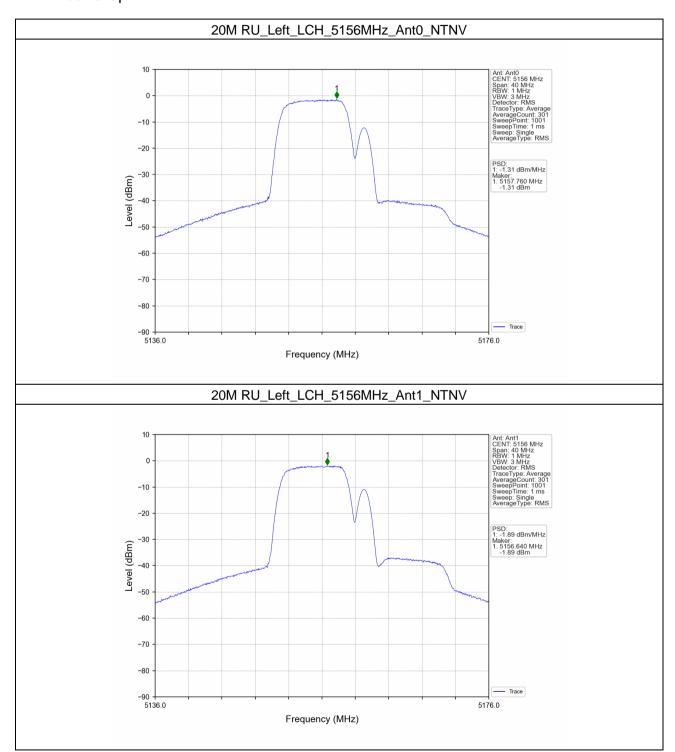


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4.1.2 Test Graph





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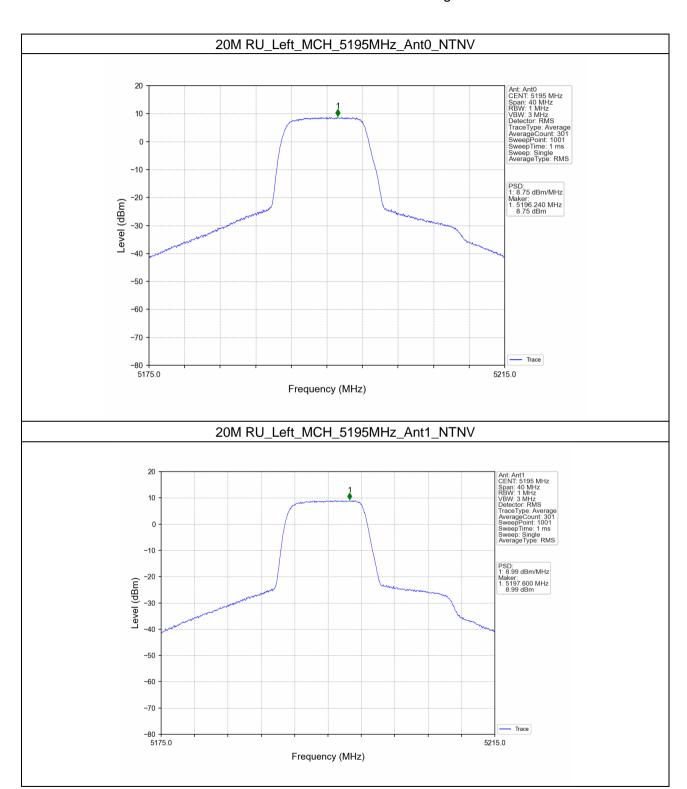
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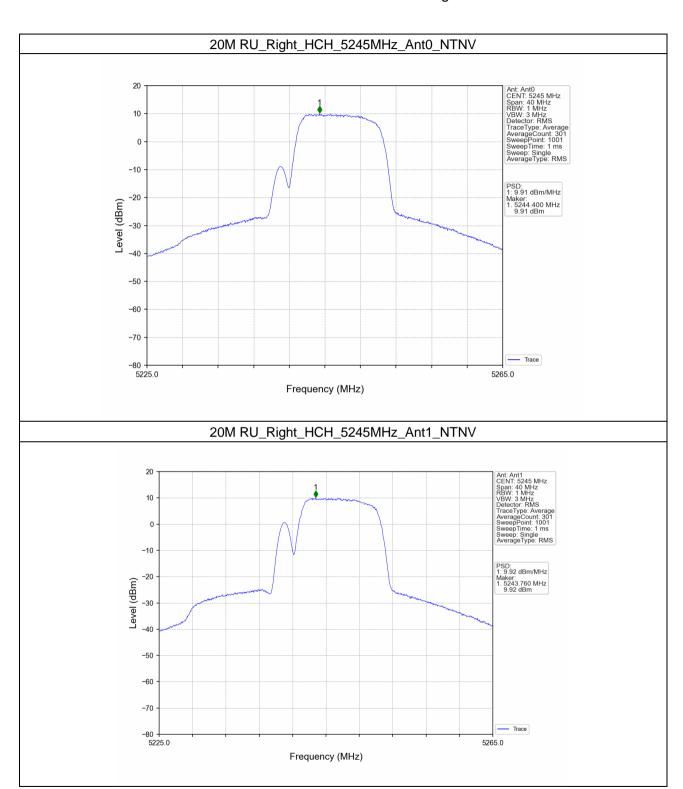
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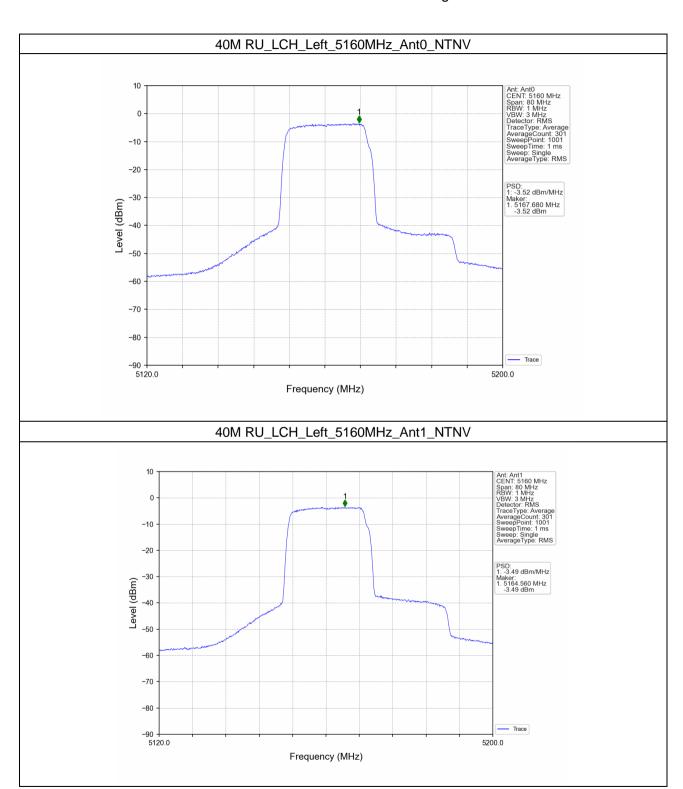
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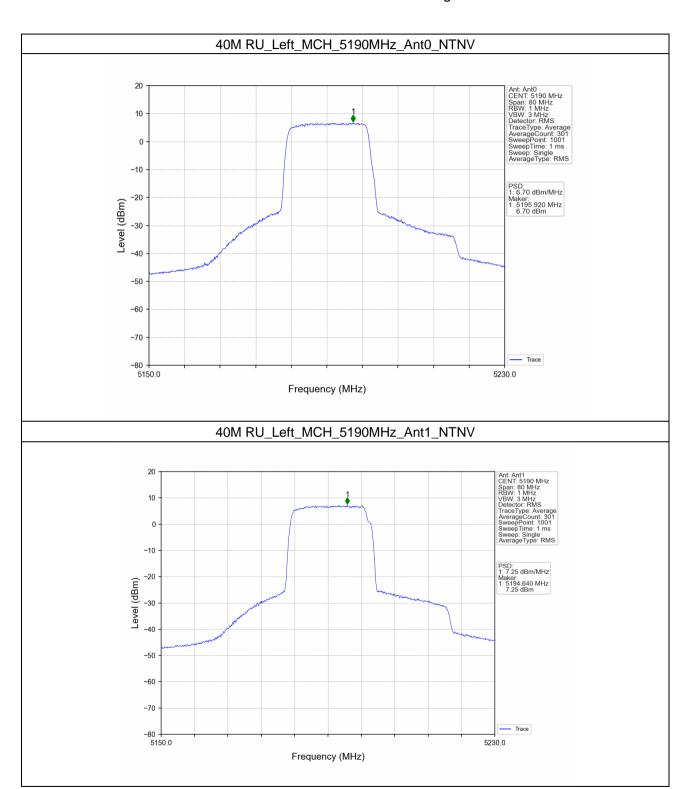
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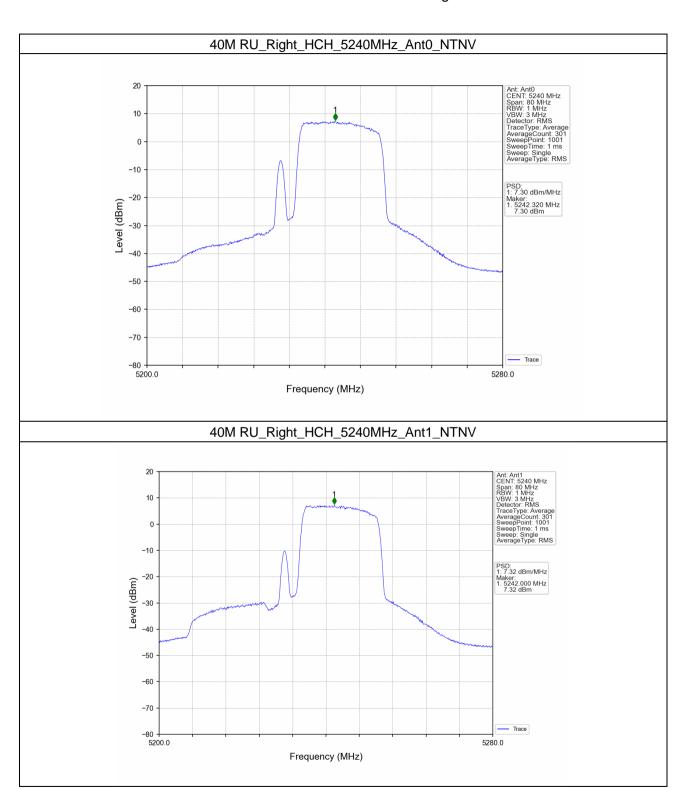
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5.1G SDR Partial mode: MIMO

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 (%)			
		5156	100.000	100.000	100.00	0.00	0.00			
20M RU	MIMO	5195	100.000	100.000	100.00	0.00	0.00			
		5245	100.000	100.000	100.00	0.00	0.00			
		5160	100.000	100.000	100.00	0.00	0.00			
40M RU	MIMO	5190	100.000	100.000	100.00	0.00	0.00			
		5240	100.000	100.000	100.00	0.00	0.00			



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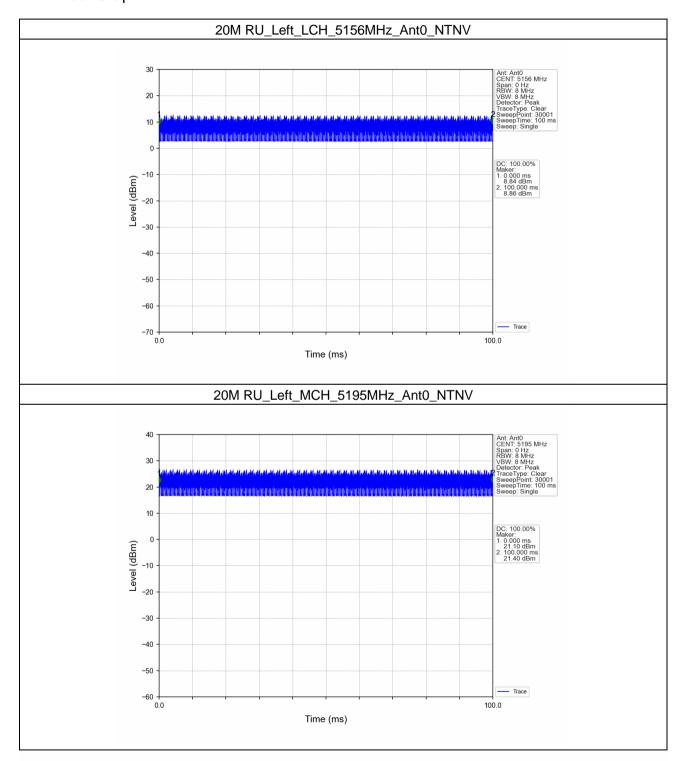


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1.1.2 Test Graph





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