



5. Frequency Stability

5.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	1.4M TX	5728.5	1	-2.09	<=20	PASS
		5786.5	1	-2.07	<=20	PASS
		5846.5	1	-2.39	<=20	PASS
	1.4M_CA TX	5730.12	1	-2.09	<=20	PASS
		5786.12	1	-2.42	<=20	PASS
		5848.12	1	-2.05	<=20	PASS
	3M TX	5730.5	1	0	<=20	PASS
		5787.5	1	0	<=20	PASS
		5844.5	1	0	<=20	PASS
	3M_CA TX	5733.2	1	0	<=20	PASS
		5790.2	1	0	<=20	PASS
		5847.2	1	0	<=20	PASS



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1.4M,1.4M CA,3M,3M CA-MIMO

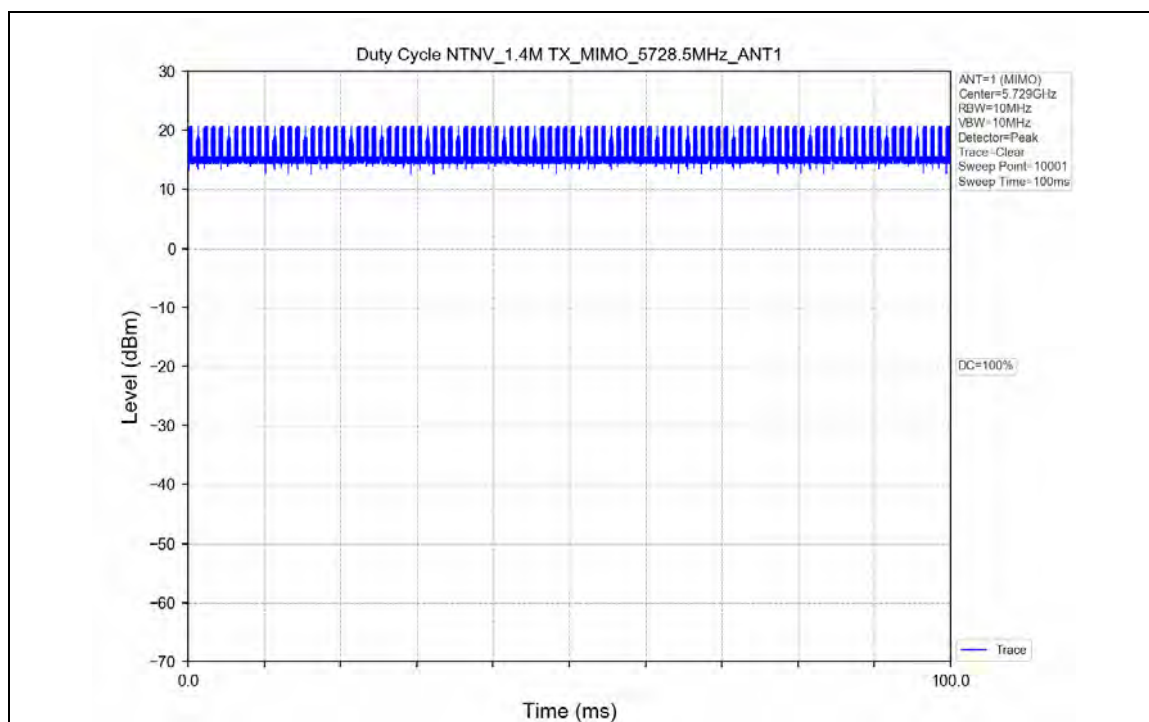
Antenna 1+Antenna 2, Antenna 1+Antenna 4, Antenna 2+Antenna 3, Antenna 3+Antenna 4 were tested.
Only the worst case(Antenna 1+Antenna 2) was recorded in the report.

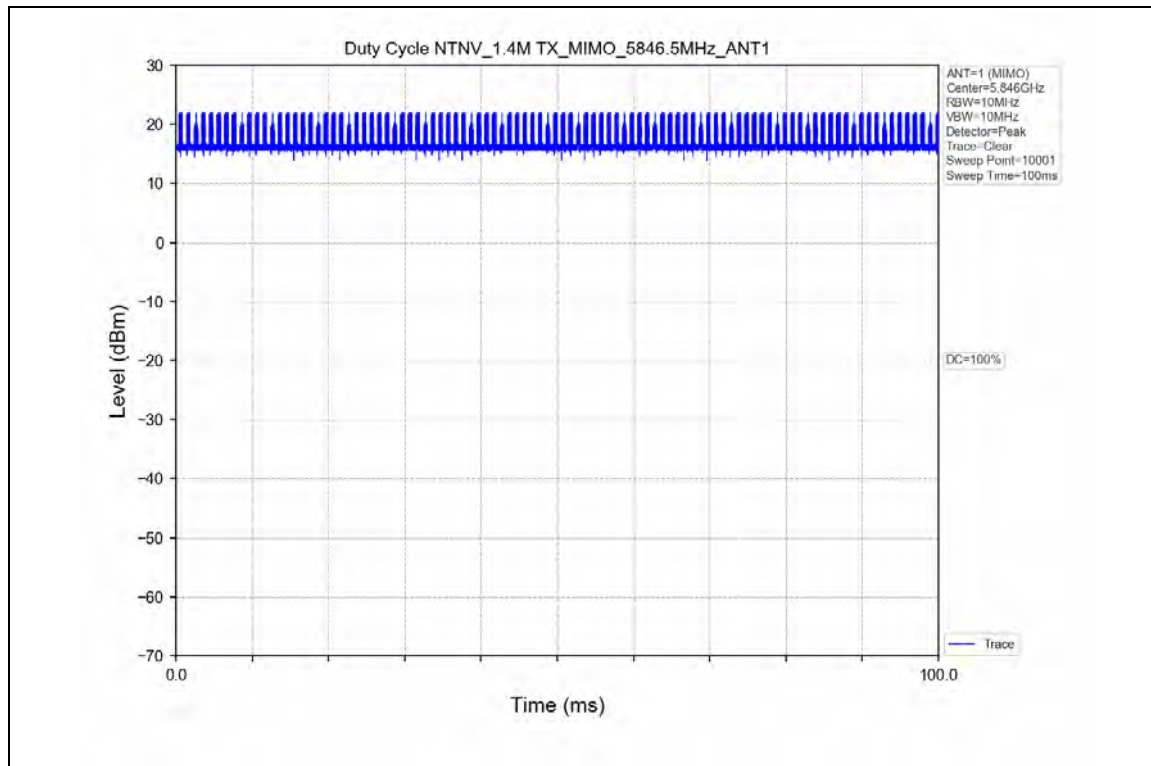
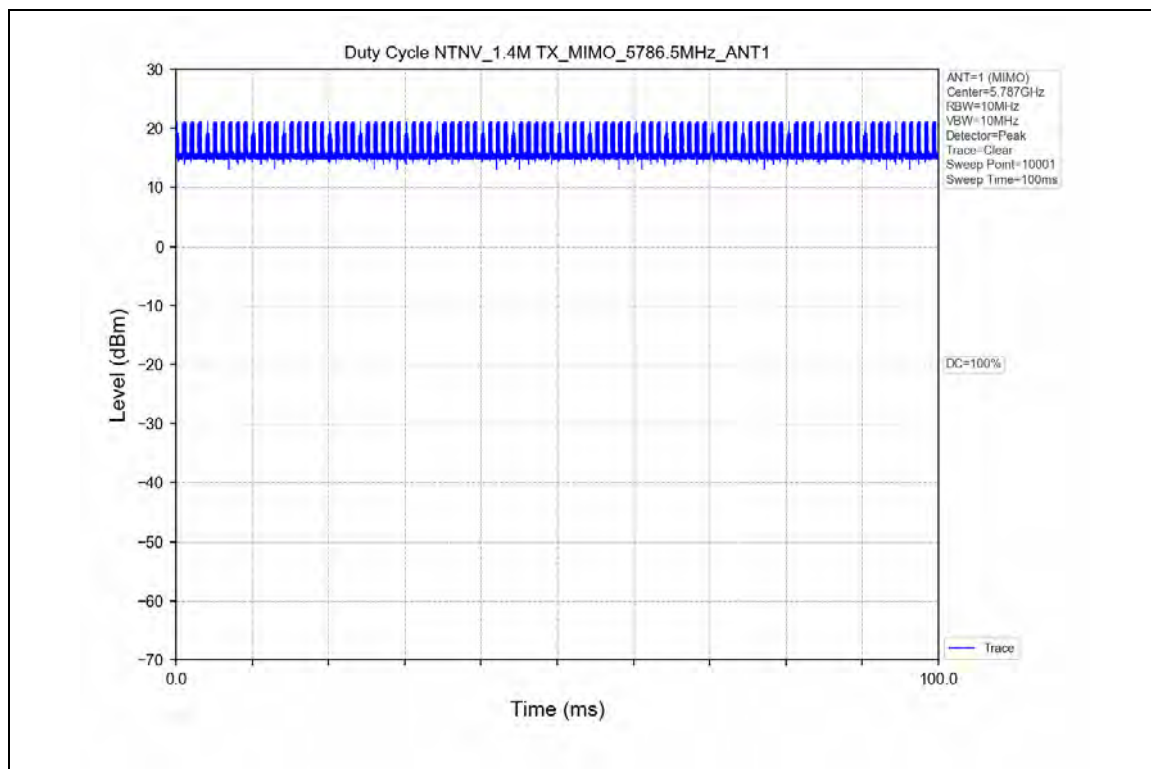
1. Duty Cycle

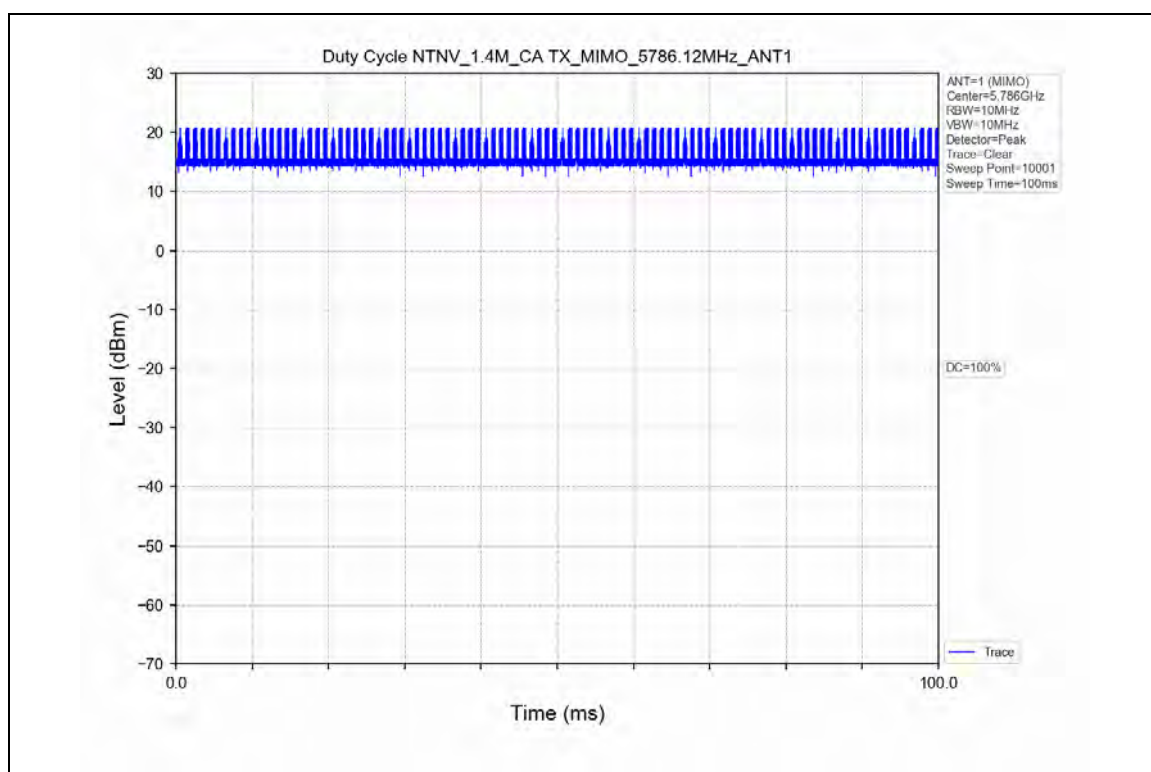
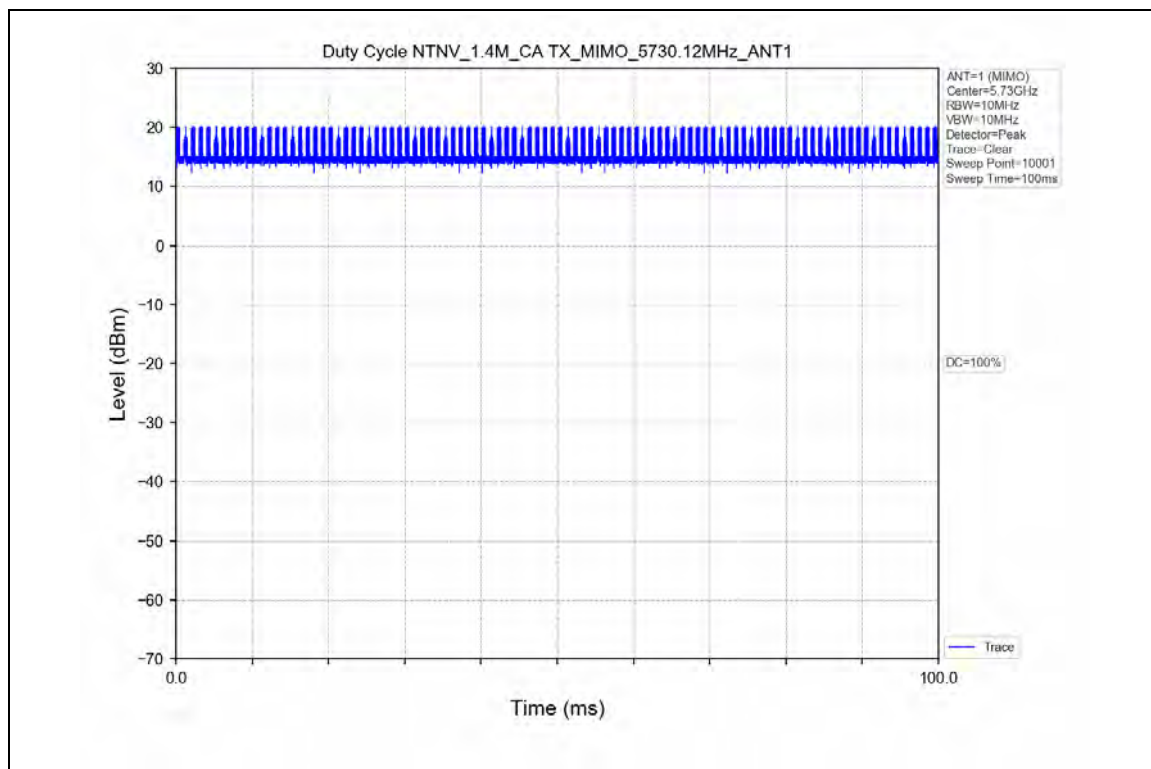
1.1 Test Result

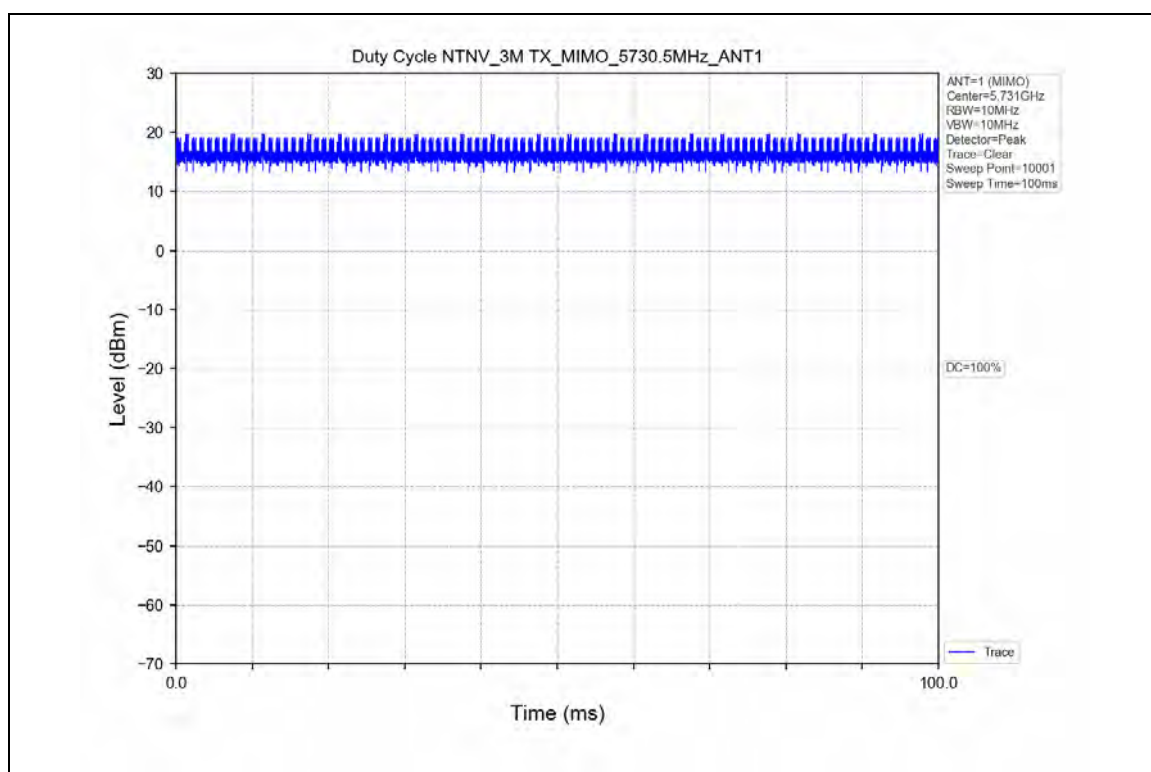
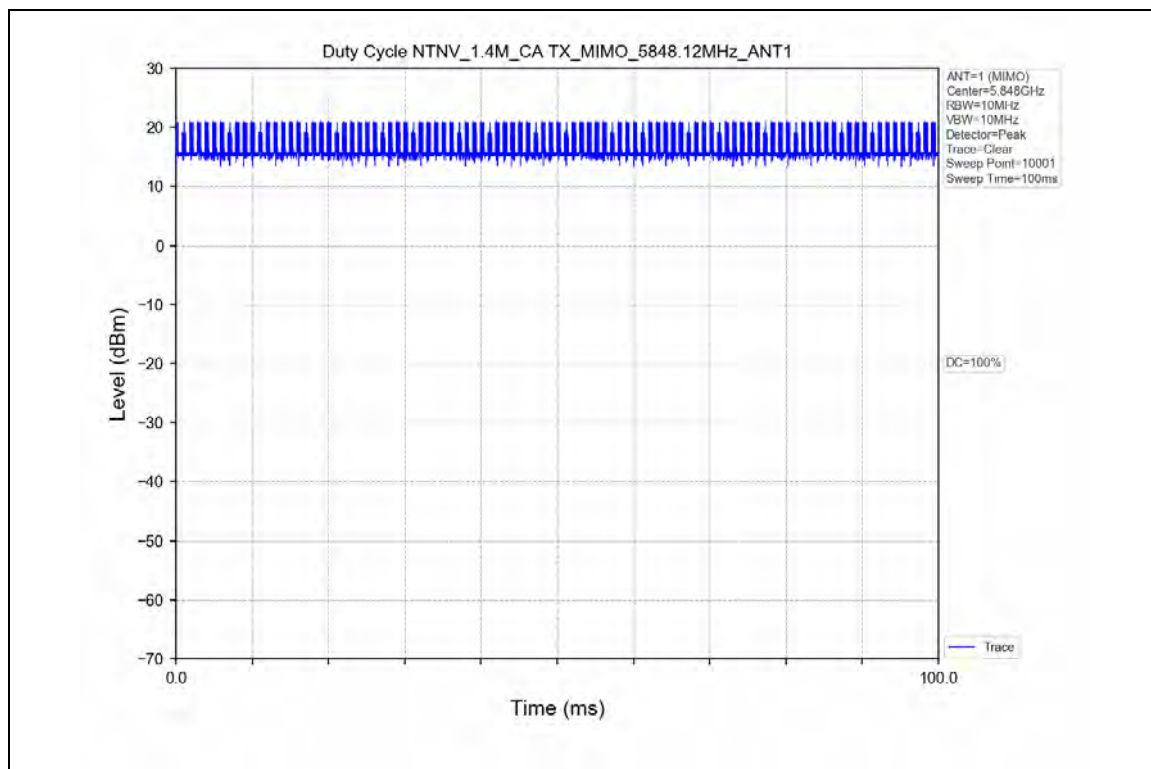
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
1.4M TX	5728.5	MIMO	1	100.000	100.000	100.00	0.00
	5786.5	MIMO	1	100.000	100.000	100.00	0.00
	5846.5	MIMO	1	100.000	100.000	100.00	0.00
1.4M_CA TX	5730.12	MIMO	1	100.000	100.000	100.00	0.00
	5786.12	MIMO	1	100.000	100.000	100.00	0.00
	5848.12	MIMO	1	100.000	100.000	100.00	0.00
3M TX	5730.5	MIMO	1	100.000	100.000	100.00	0.00
	5787.5	MIMO	1	100.000	100.000	100.00	0.00
	5844.5	MIMO	1	100.000	100.000	100.00	0.00
3M_CA TX	5733.2	MIMO	1	100.000	100.000	100.00	0.00
	5790.2	MIMO	1	100.000	100.000	100.00	0.00
	5847.2	MIMO	1	100.000	100.000	100.00	0.00

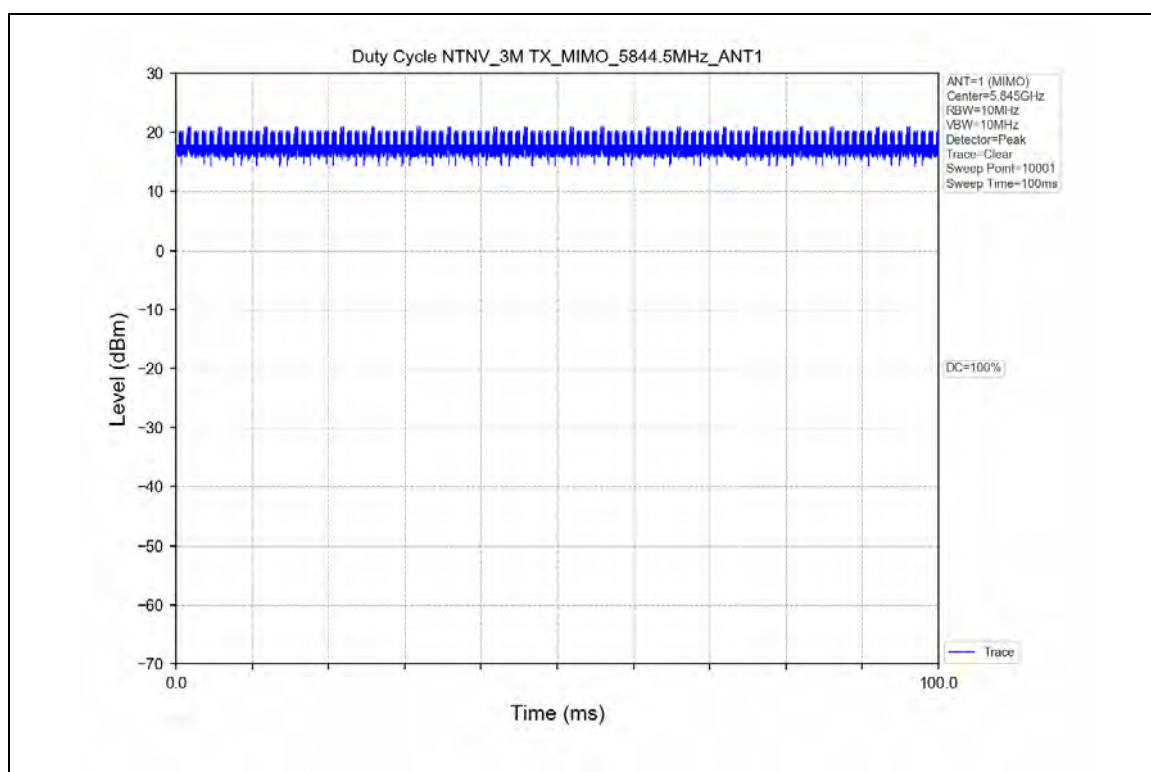
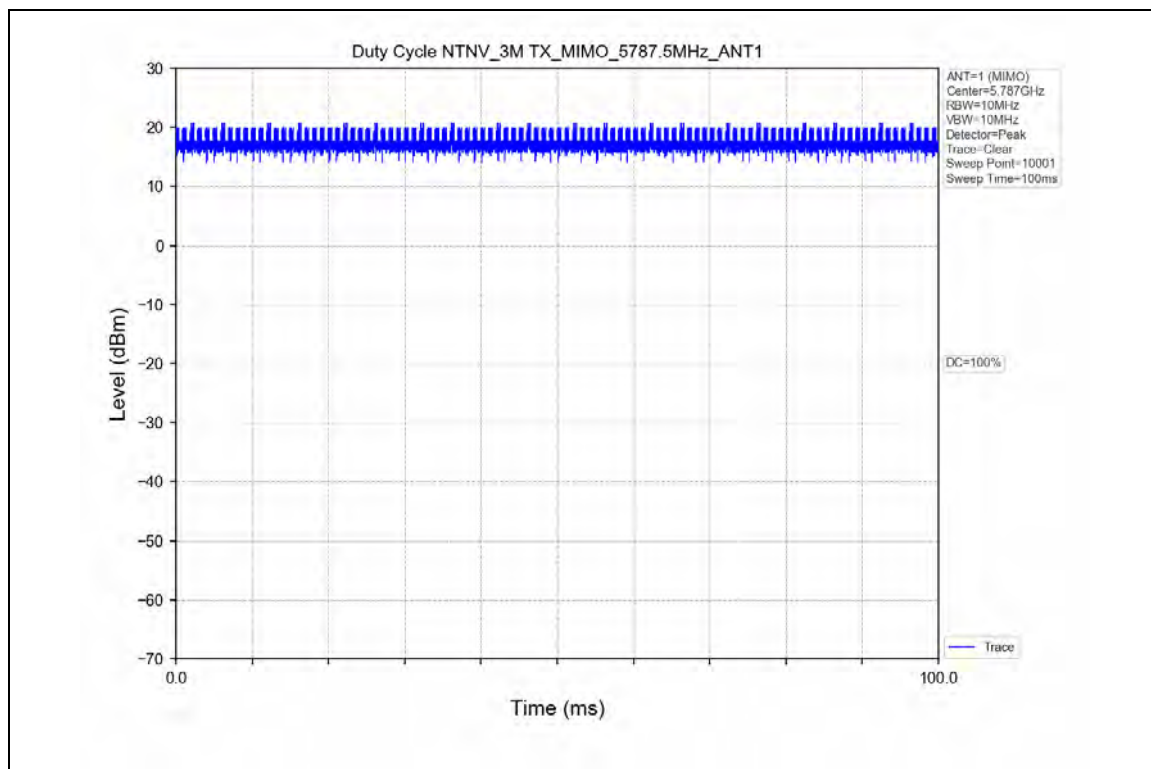
1.2 Test Graph

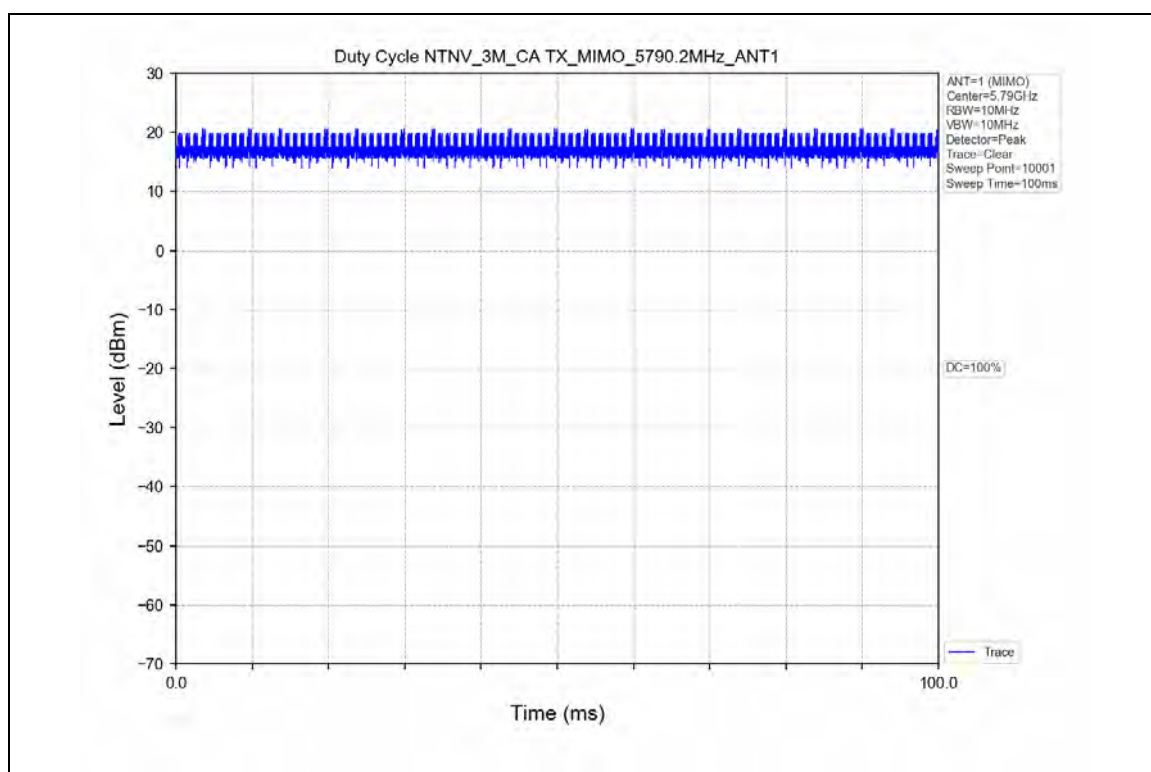
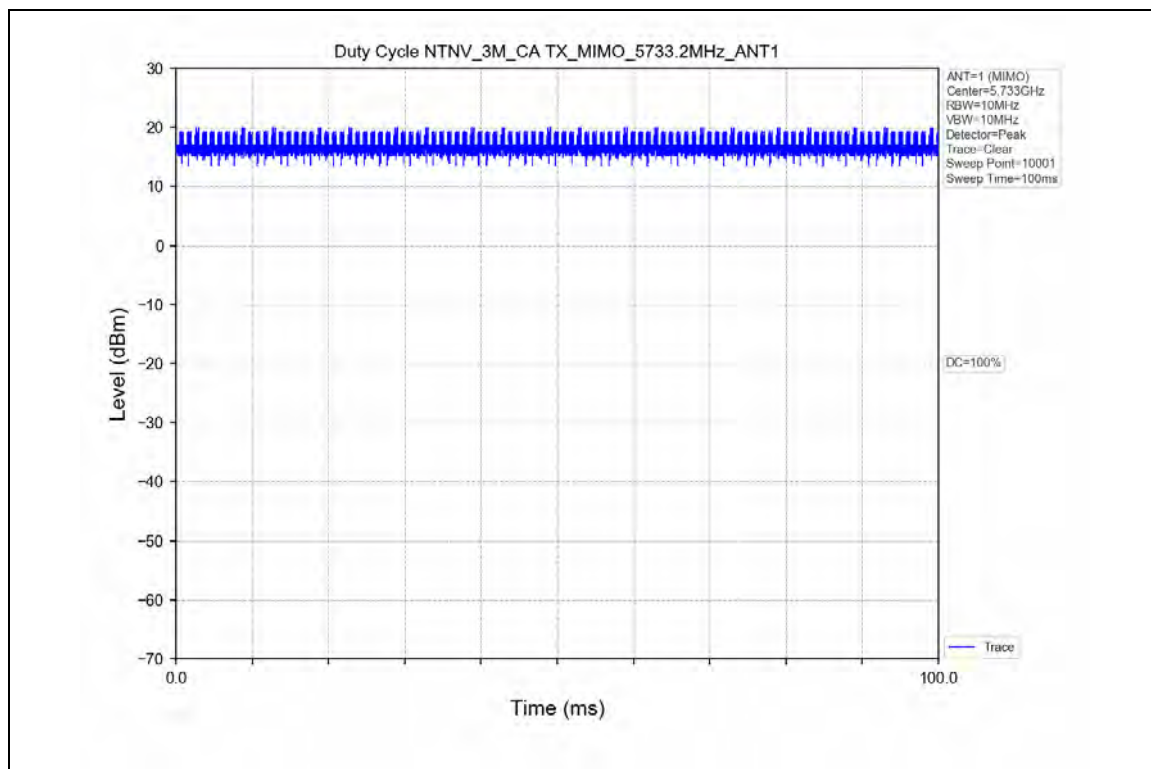


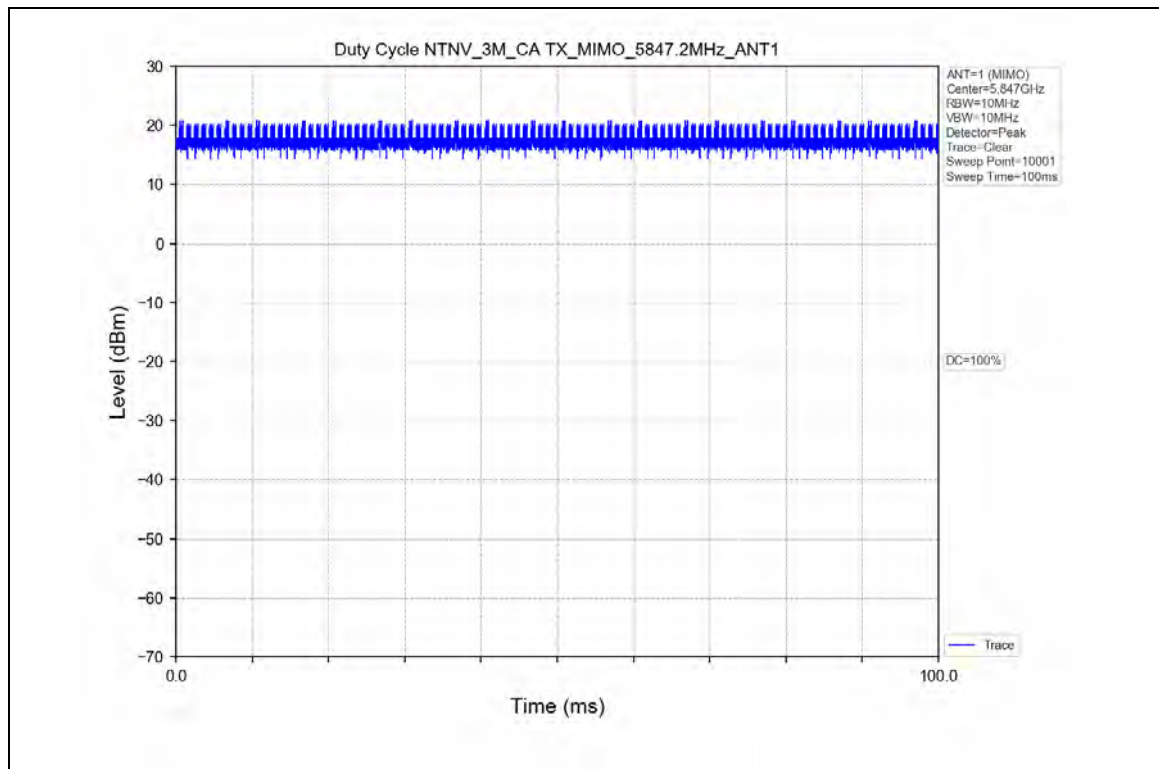












2. Bandwidth

2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
1.4M TX	5728.5	MIMO	1	1.099	≥0.5	PASS
	5786.5	MIMO	1	1.100	≥0.5	PASS
	5846.5	MIMO	1	1.098	≥0.5	PASS
1.4M_CA TX	5730.12	MIMO	1	1.098	≥0.5	PASS
	5786.12	MIMO	1	1.099	≥0.5	PASS
	5848.12	MIMO	1	1.100	≥0.5	PASS
3M TX	5730.5	MIMO	1	2.180	≥0.5	PASS
	5787.5	MIMO	1	2.184	≥0.5	PASS
	5844.5	MIMO	1	2.185	≥0.5	PASS
3M_CA TX	5733.2	MIMO	1	2.179	≥0.5	PASS
	5790.2	MIMO	1	2.181	≥0.5	PASS
	5847.2	MIMO	1	2.184	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
1.4M TX	5728.5	MIMO	1	1.327	Only for Report Use

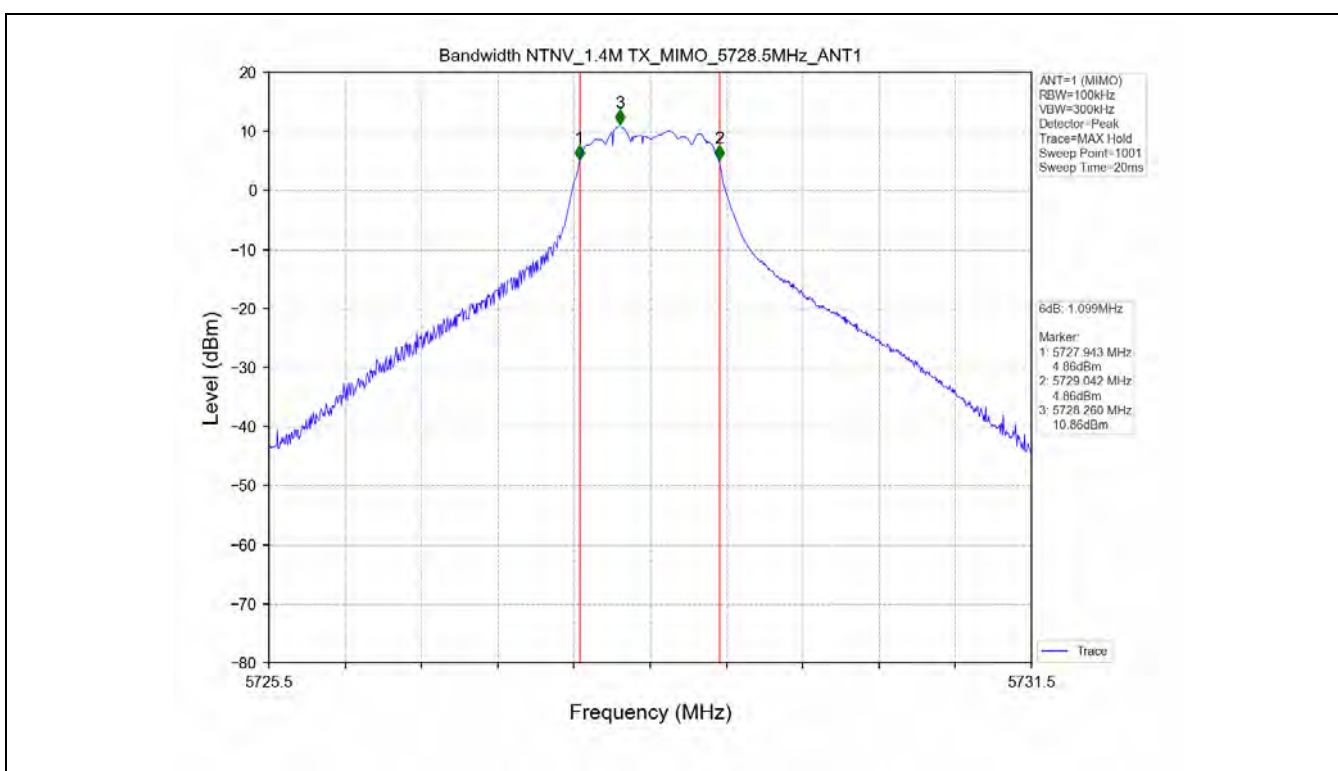


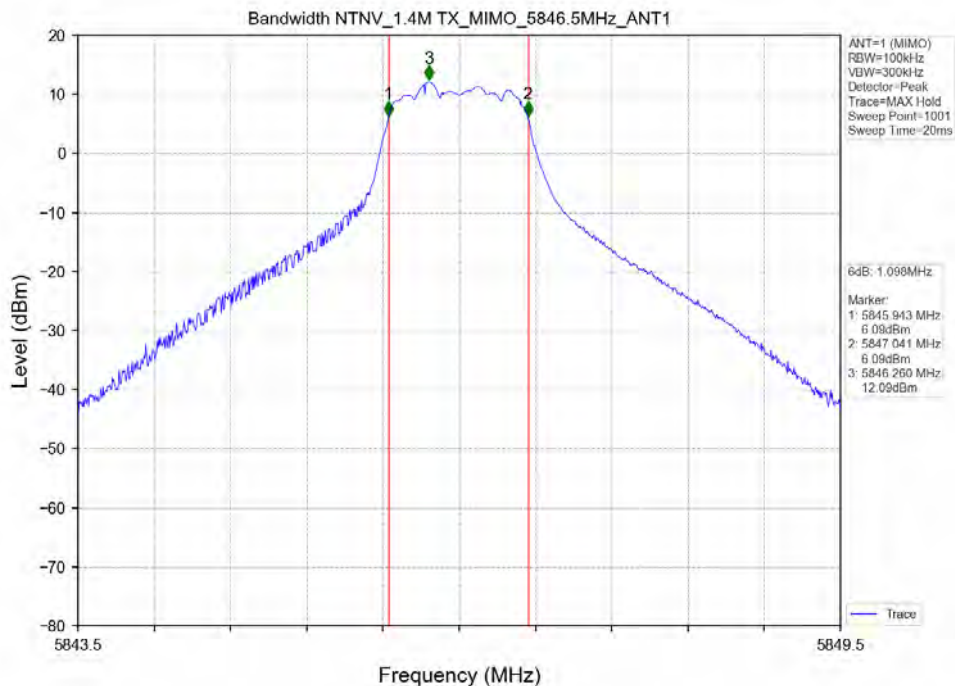
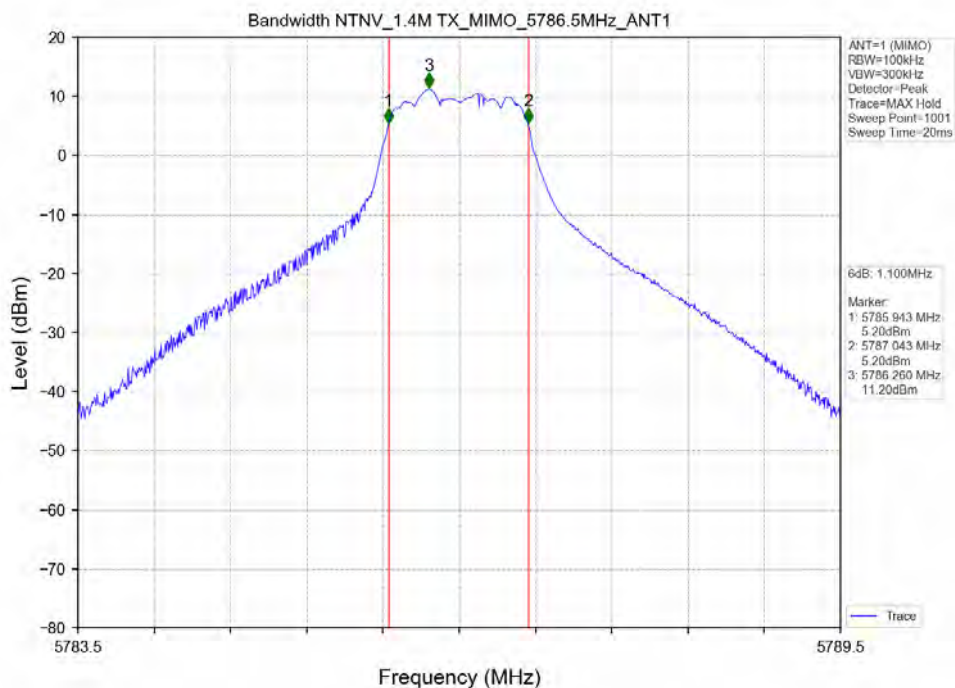
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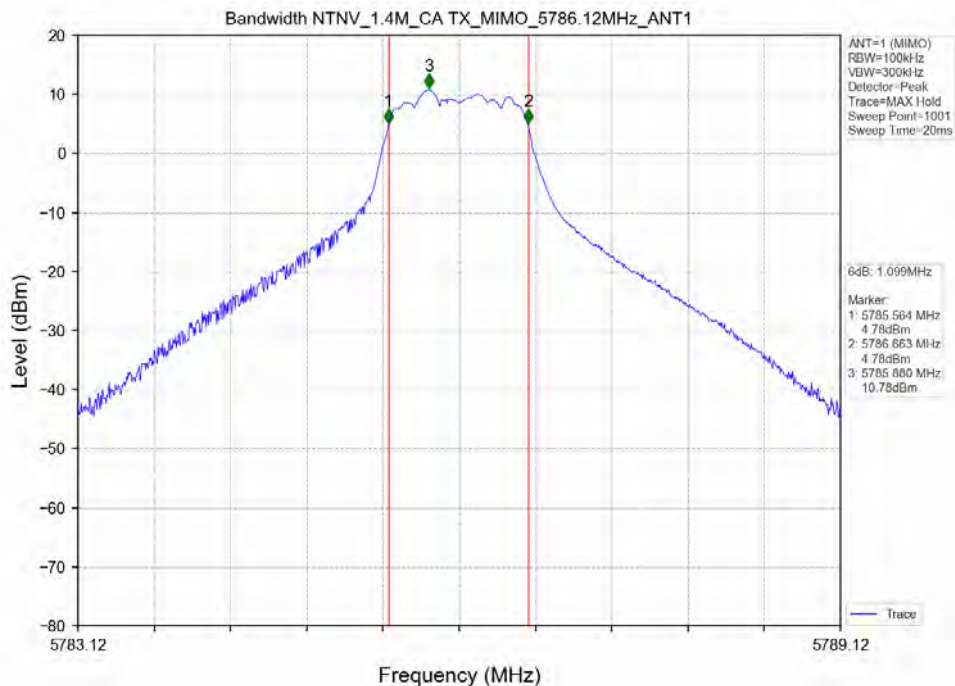
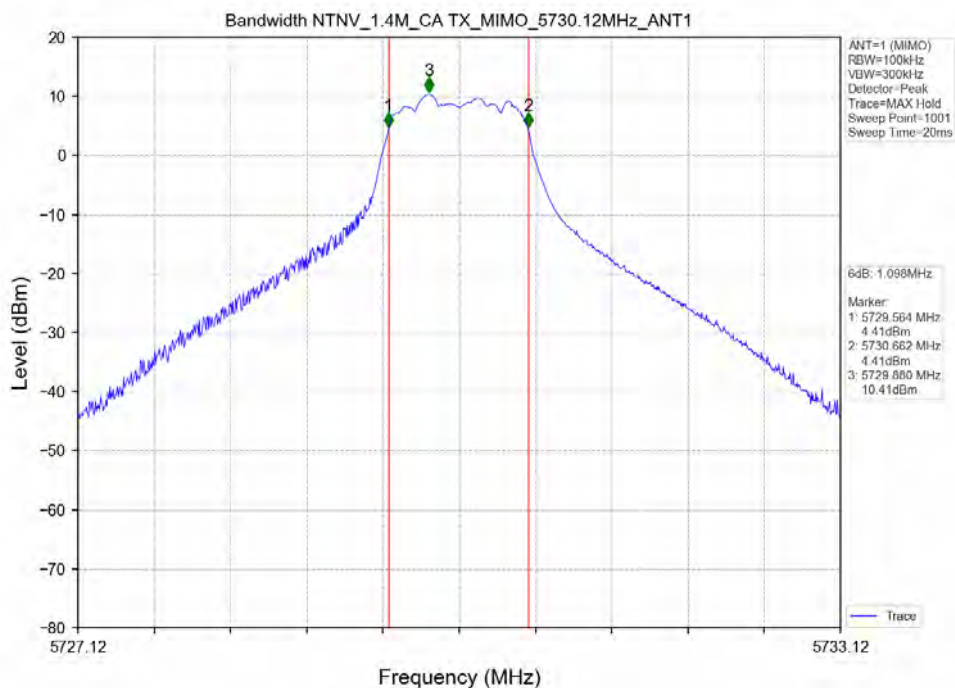
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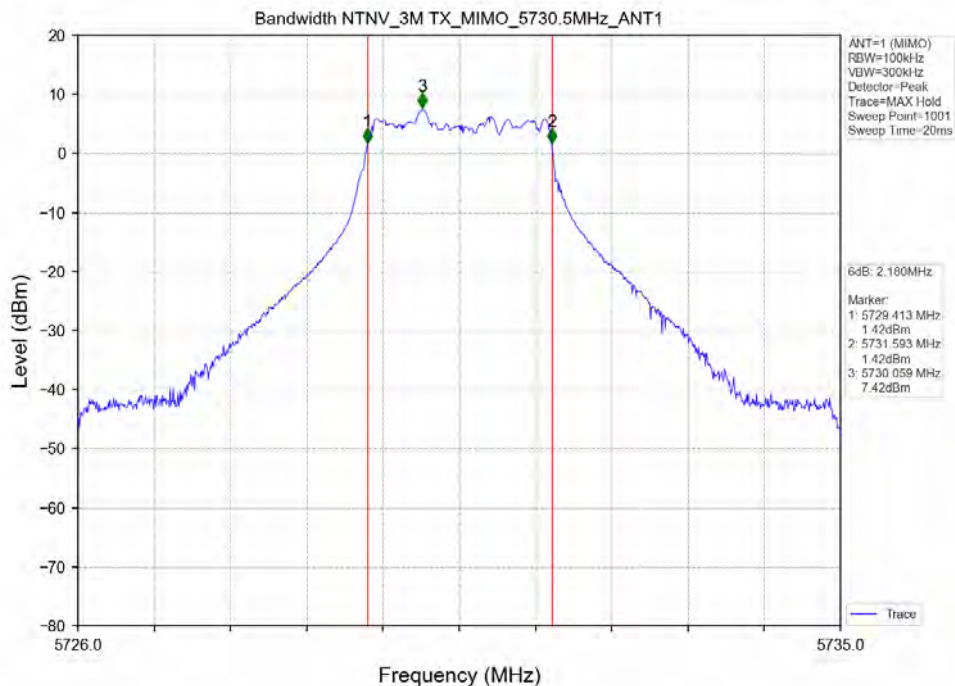
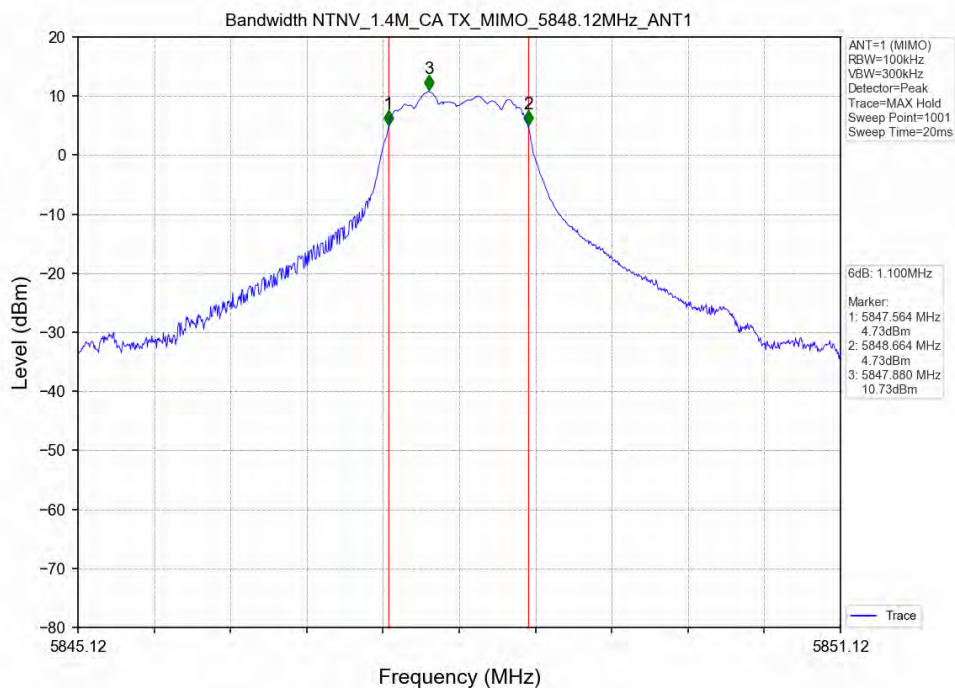
1.4M_CA TX	5786.5	MIMO	1	1.334	Only for Report Use
	5846.5	MIMO	1	1.324	Only for Report Use
	5730.12	MIMO	1	1.344	Only for Report Use
	5786.12	MIMO	1	1.326	Only for Report Use
	5848.12	MIMO	1	1.339	Only for Report Use
3M TX	5730.5	MIMO	1	2.394	Only for Report Use
	5787.5	MIMO	1	2.394	Only for Report Use
	5844.5	MIMO	1	2.395	Only for Report Use
3M_CA TX	5733.2	MIMO	1	2.412	Only for Report Use
	5790.2	MIMO	1	2.396	Only for Report Use
	5847.2	MIMO	1	2.391	Only for Report Use

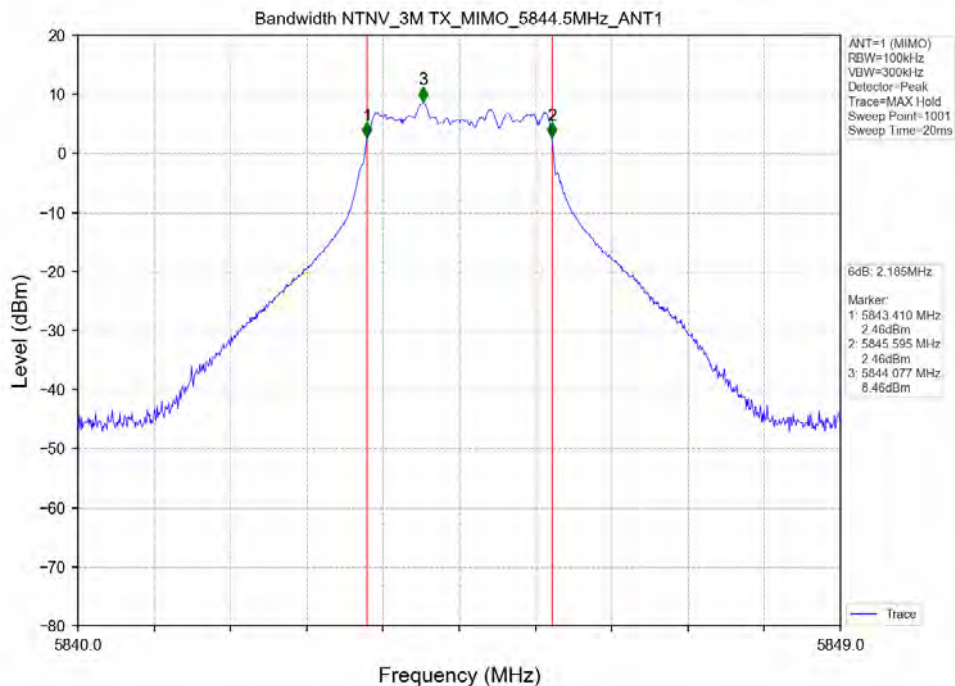
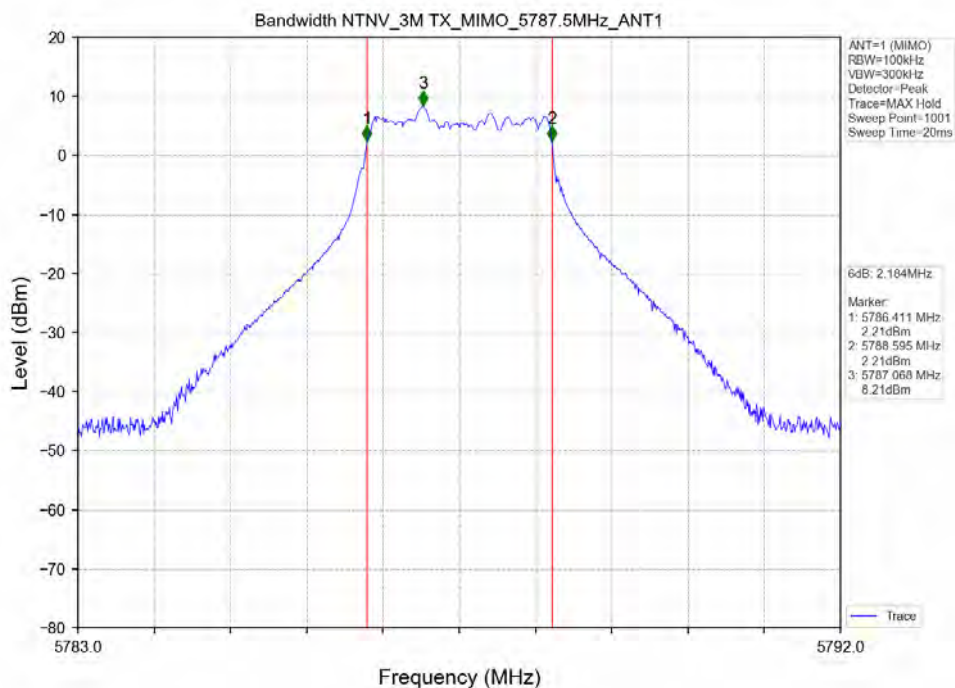
2.2 Test Graph - Emission Bandwidth

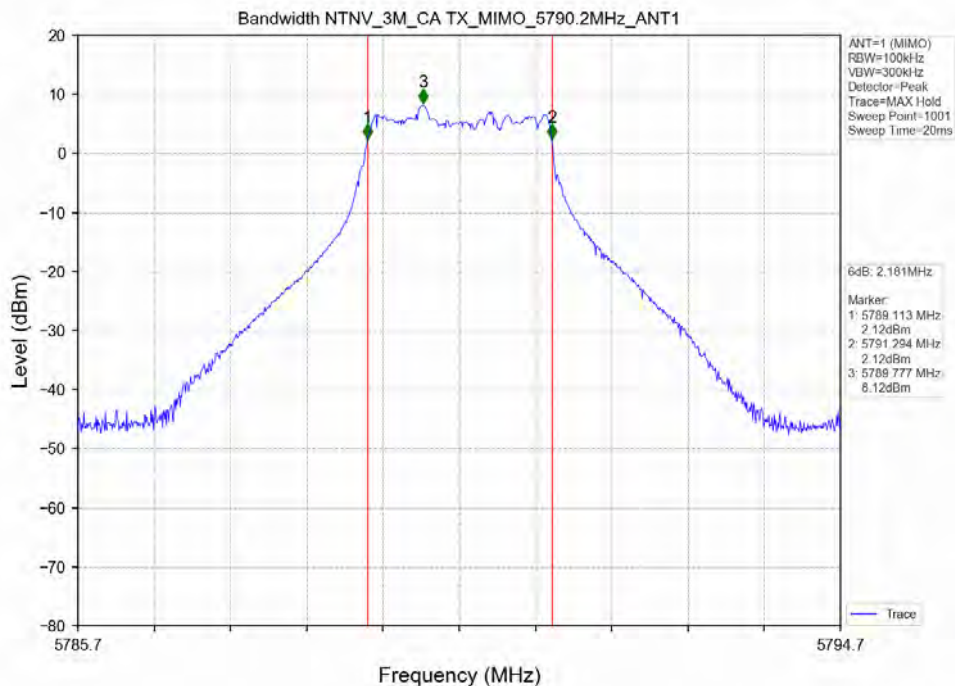
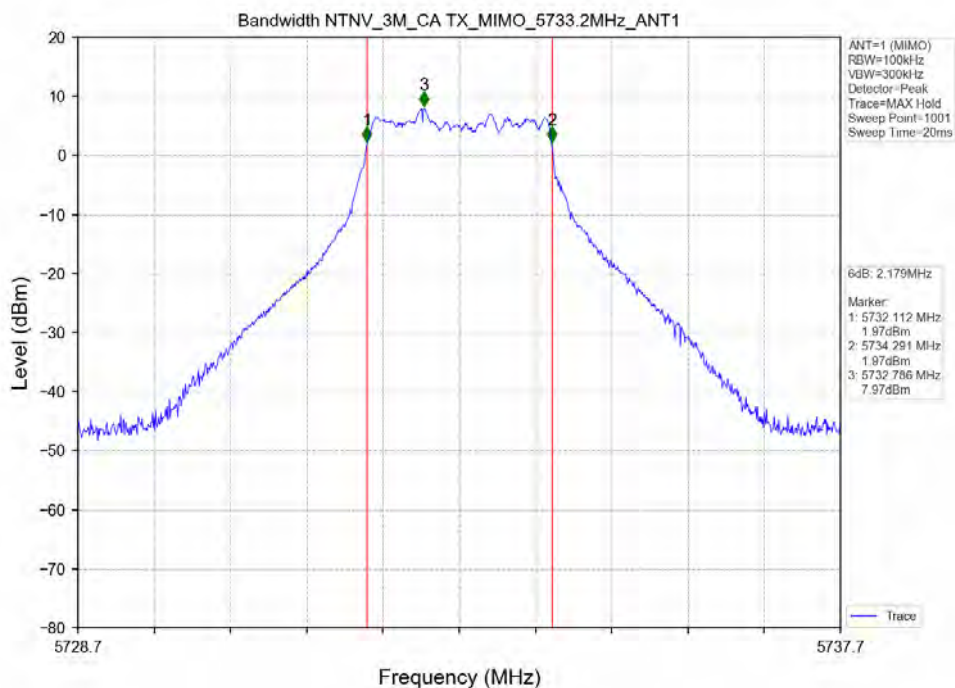


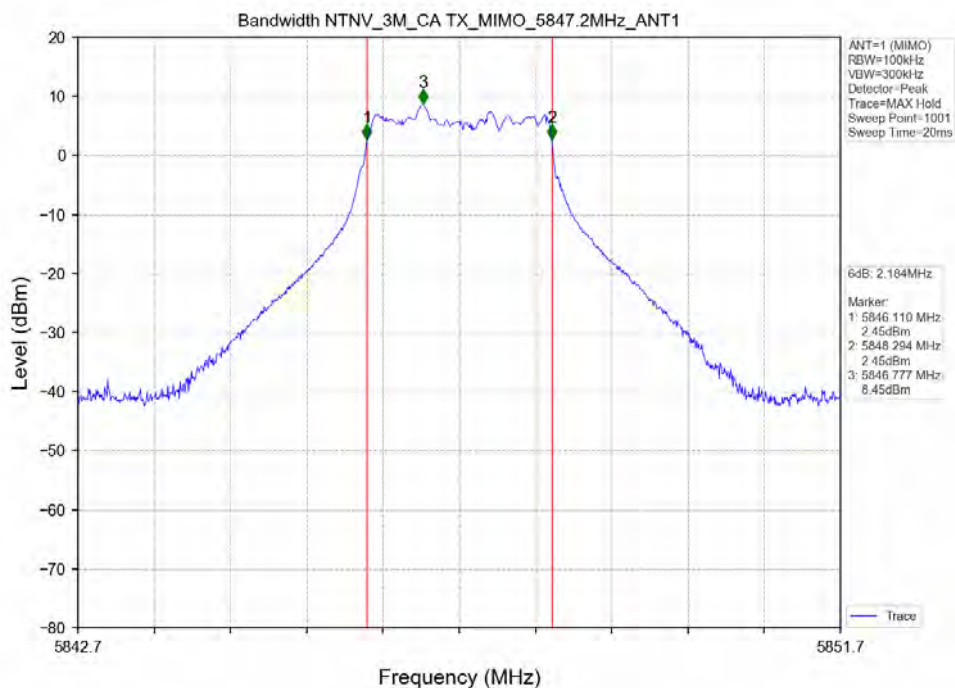




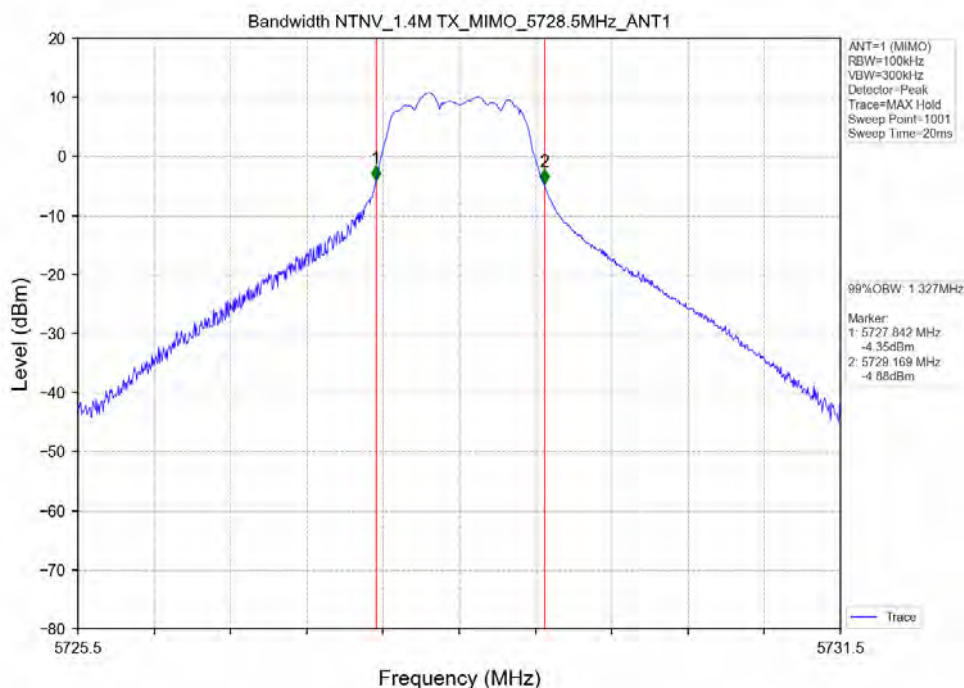


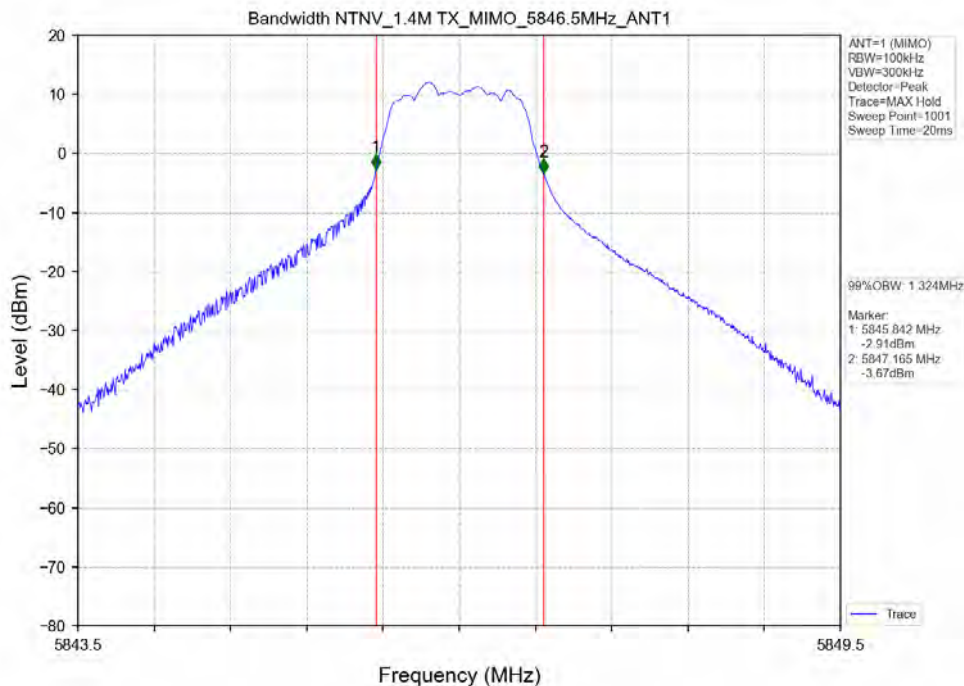
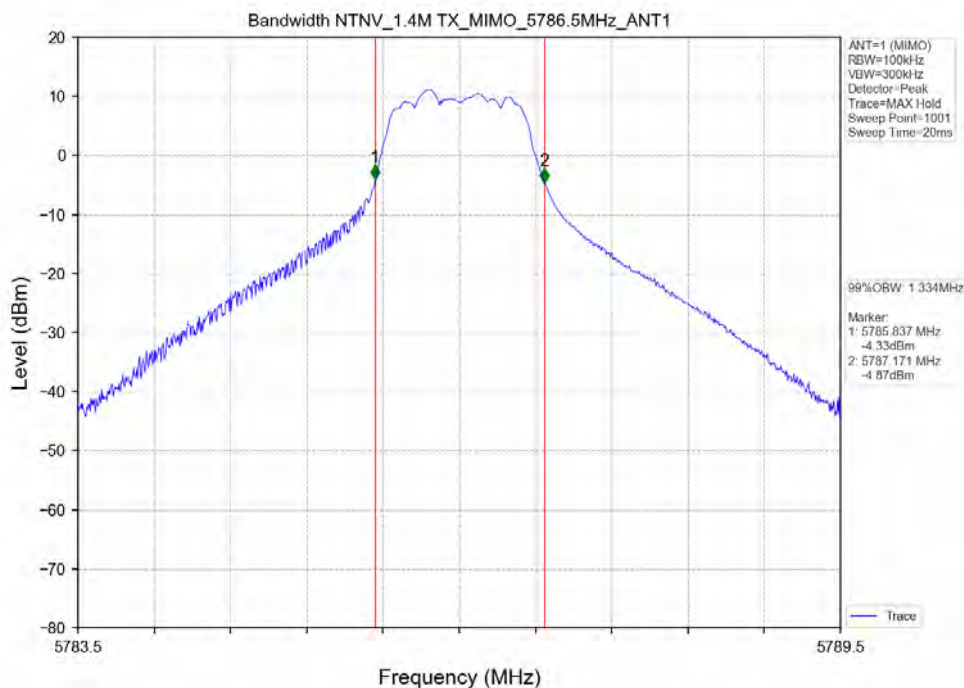


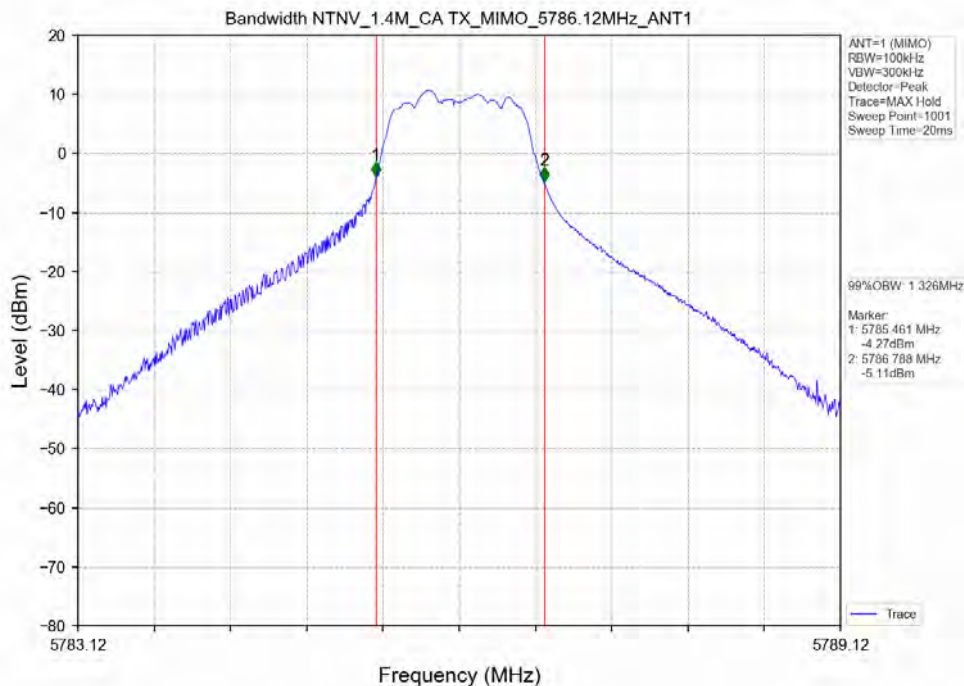
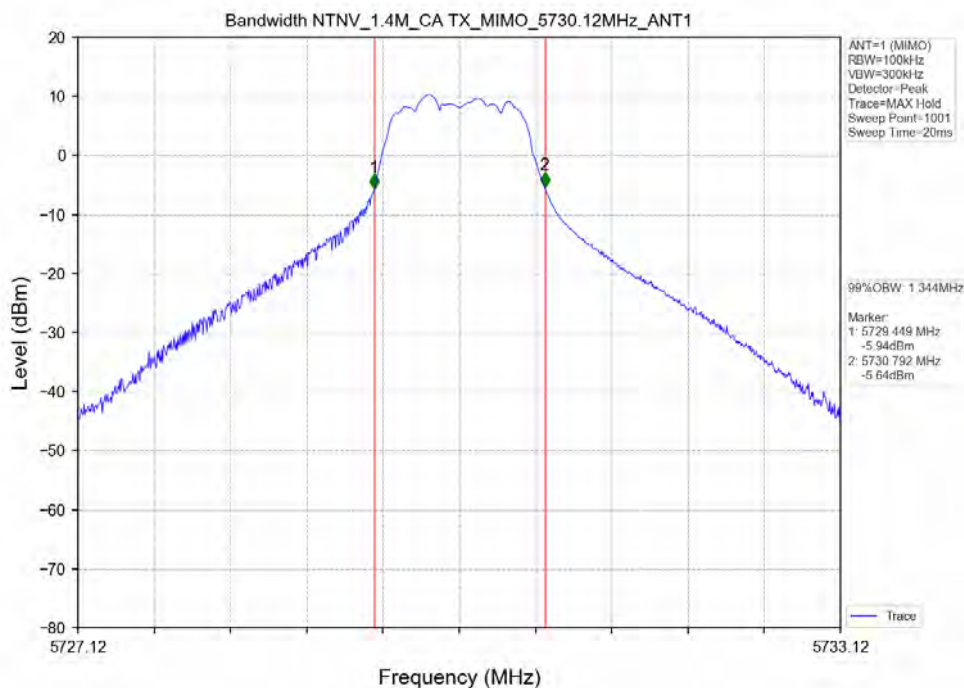


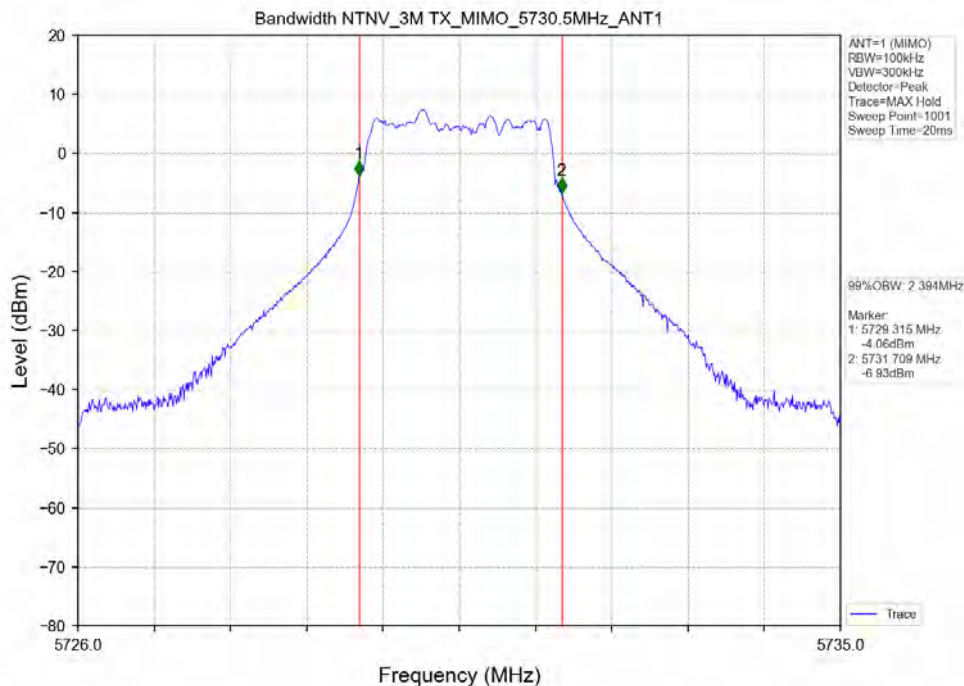
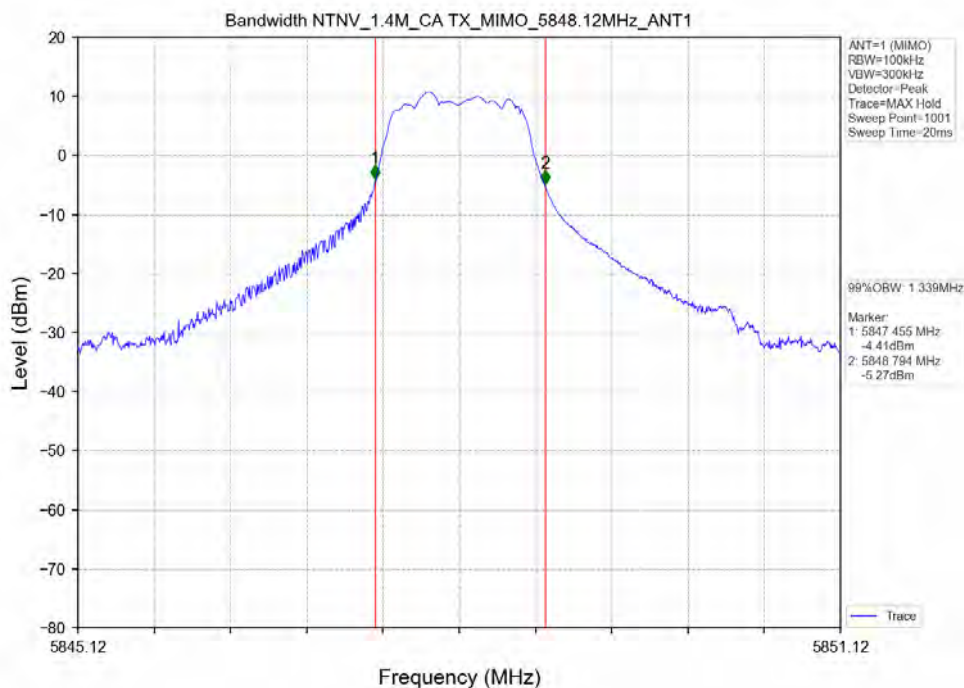


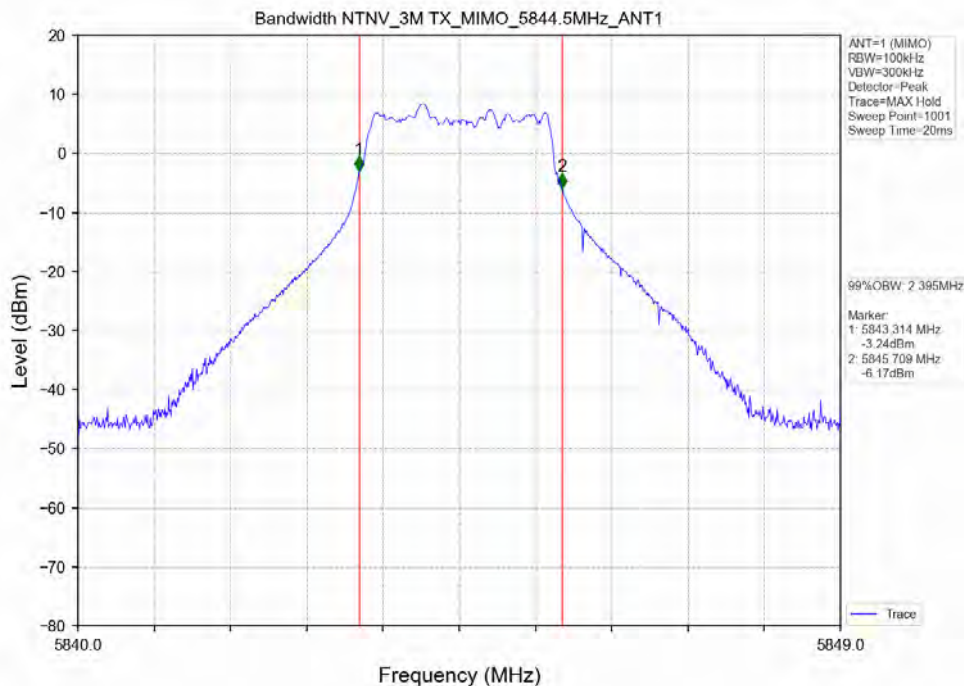
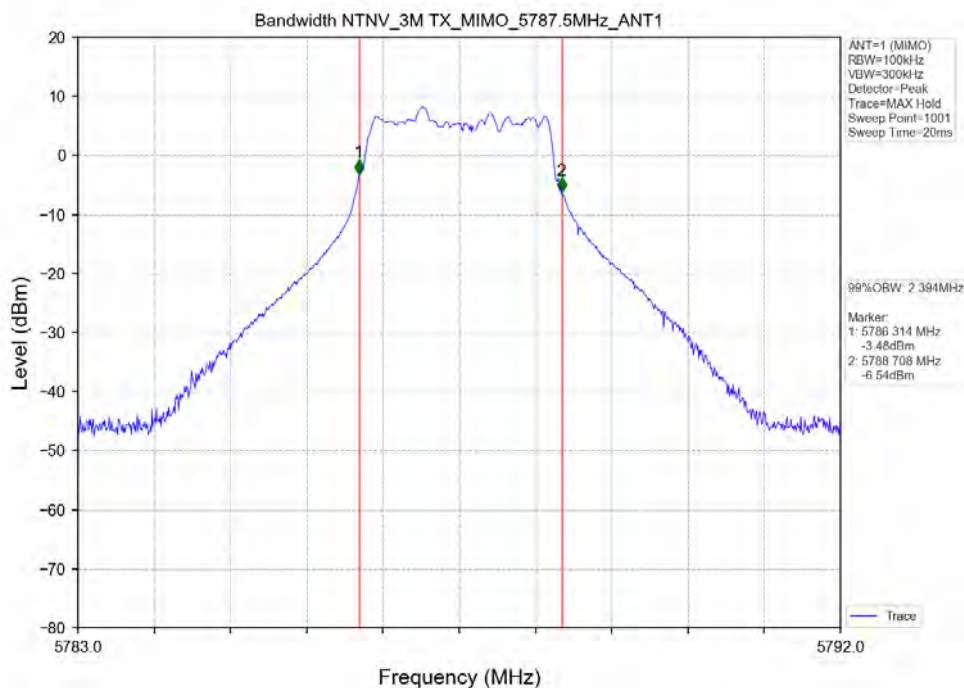
2.3 Test Graph - 99% Occupied Bandwidth

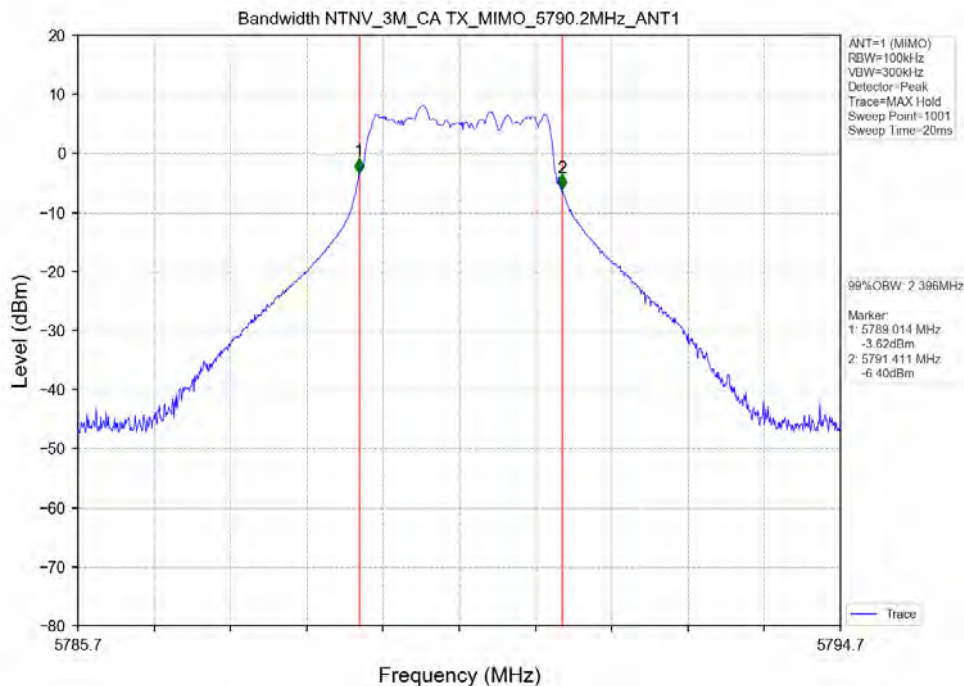
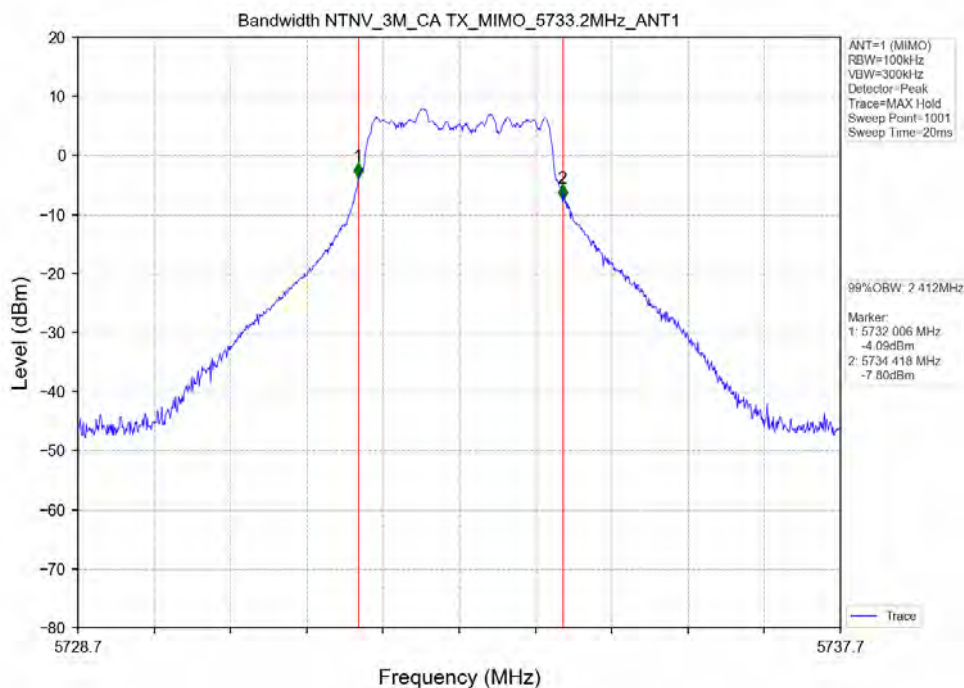


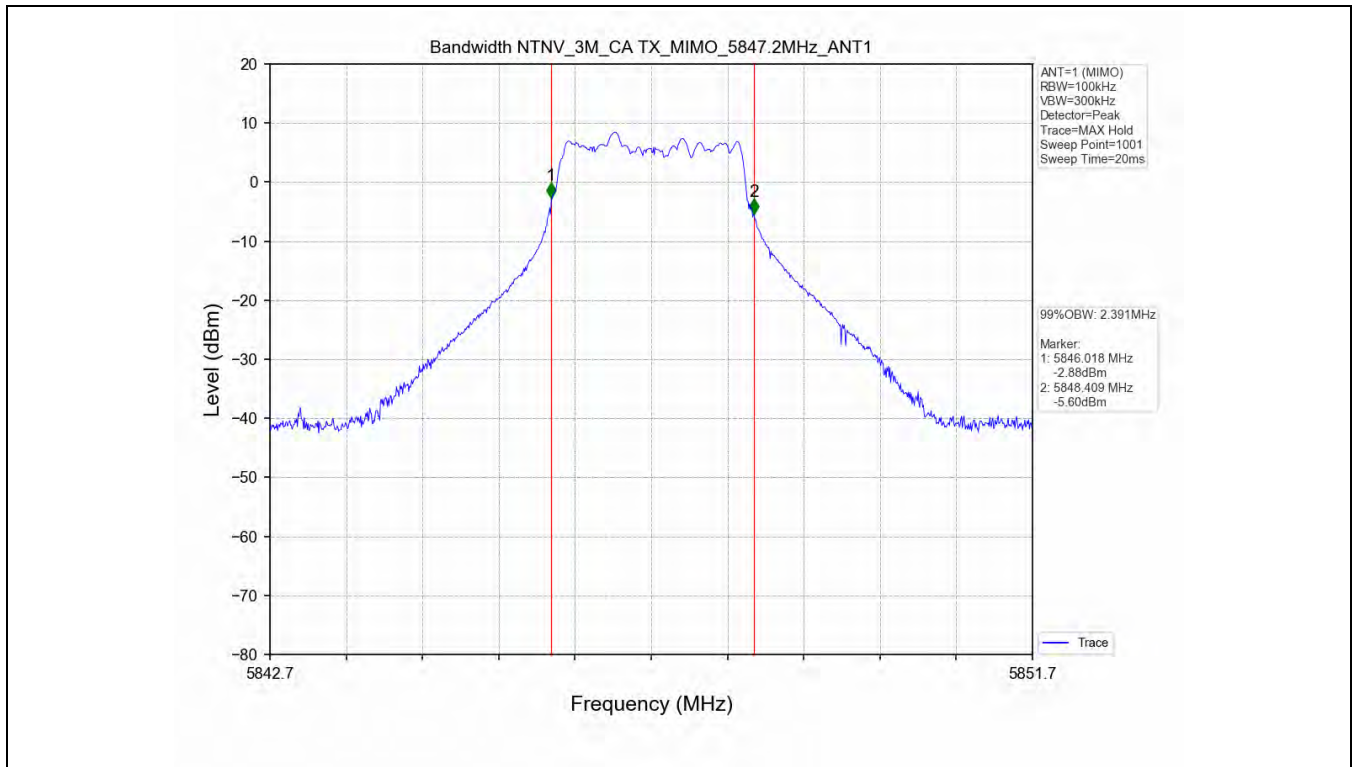












3. Maximum Conducted Output Power

3.1 Test Result

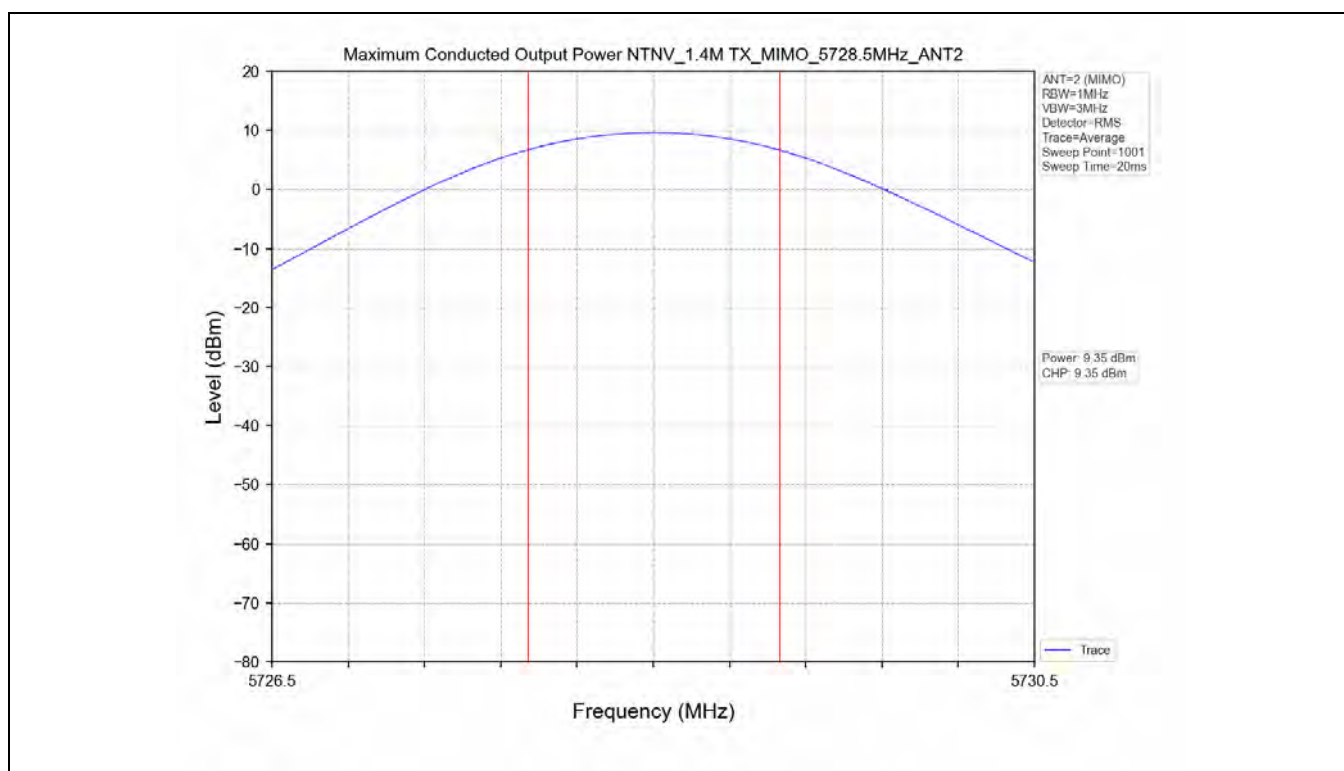
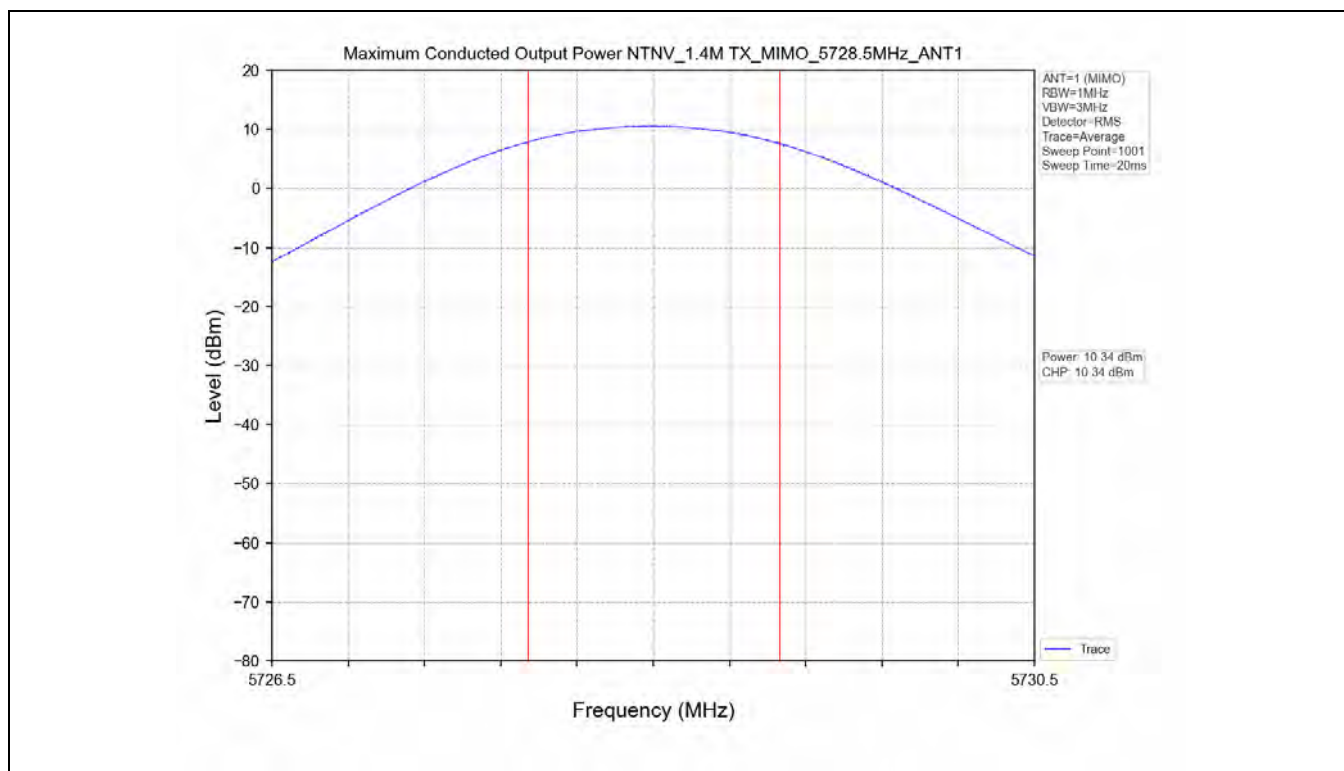
Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)			Limit (dBm)	Verdict
			Ant 1	Ant 2	Total		
1.4M TX	5728.5	MIMO	10.34	9.35	12.88	≤28.49	PASS
	5786.5	MIMO	10.72	11.11	13.93	≤28.49	PASS
	5846.5	MIMO	11.51	11.05	14.30	≤28.49	PASS
1.4M_CA TX	5730.12	MIMO	9.89	10.47	13.20	≤28.49	PASS
	5786.12	MIMO	10.23	10.96	13.62	≤28.49	PASS
	5848.12	MIMO	10.35	10.15	13.26	≤28.49	PASS
3M TX	5730.5	MIMO	10.04	11.05	13.58	≤28.49	PASS
	5787.5	MIMO	10.88	11.57	14.25	≤28.49	PASS
	5844.5	MIMO	11.13	11.57	14.37	≤28.49	PASS
3M_CA TX	5733.2	MIMO	10.48	11.08	13.80	≤28.49	PASS
	5790.2	MIMO	10.80	11.58	14.22	≤28.49	PASS
	5847.2	MIMO	11.10	11.51	14.32	≤28.49	PASS

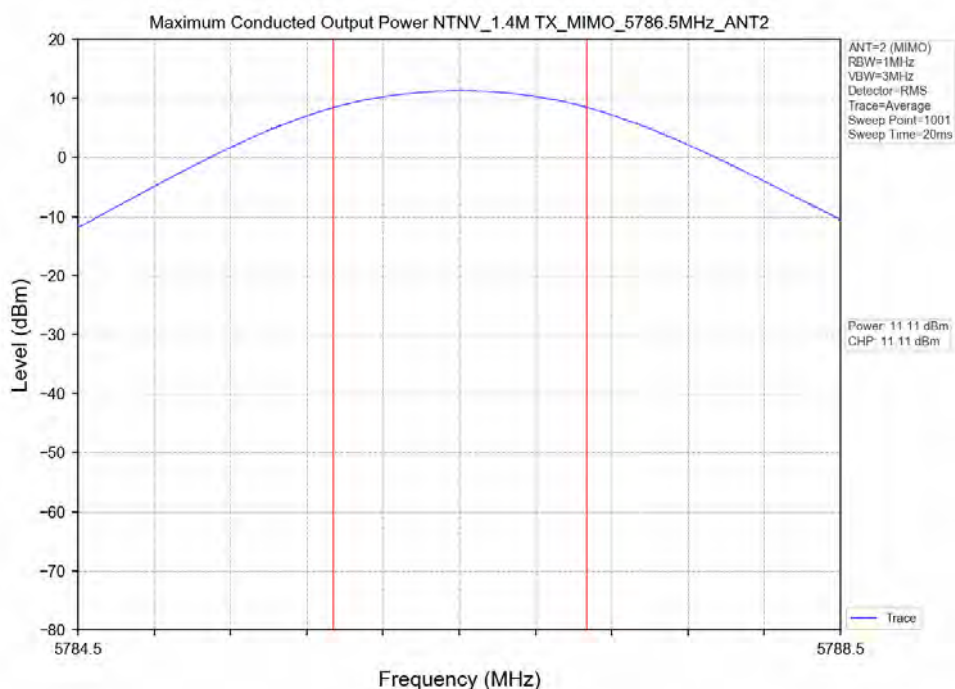
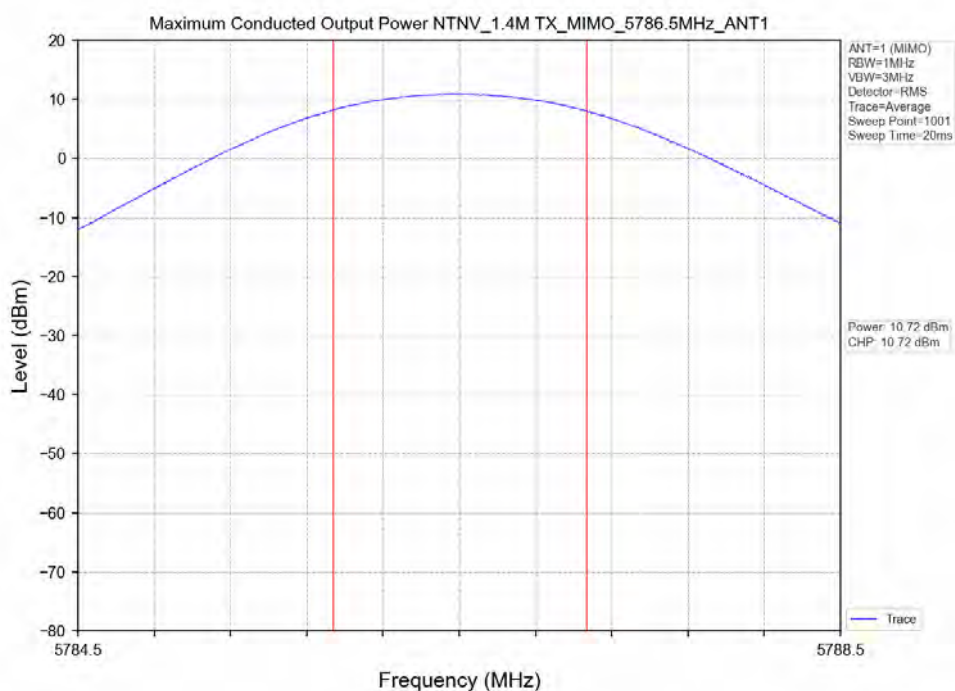


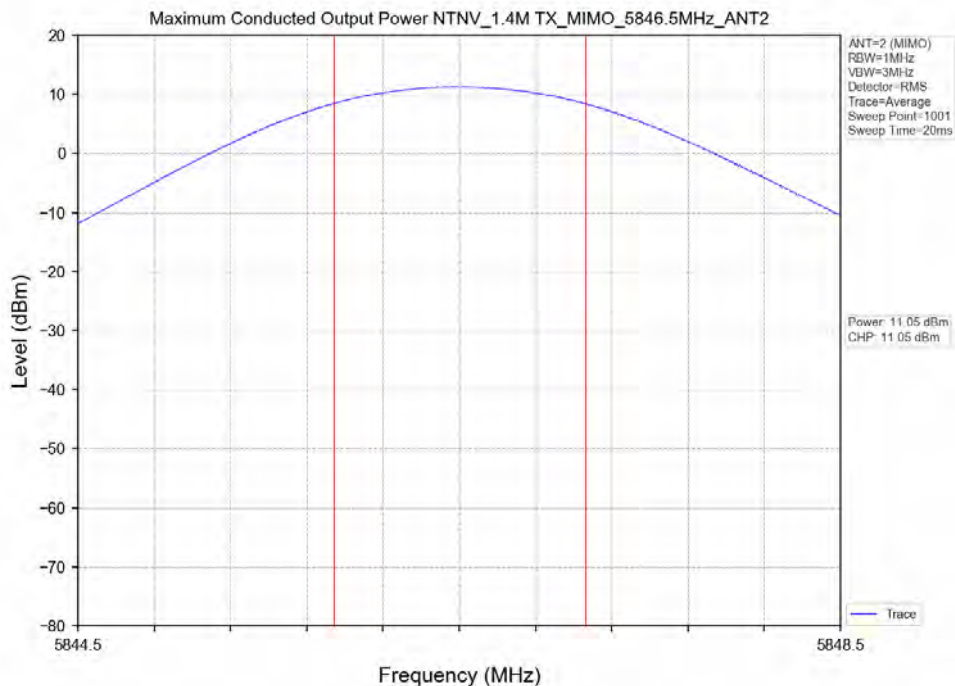
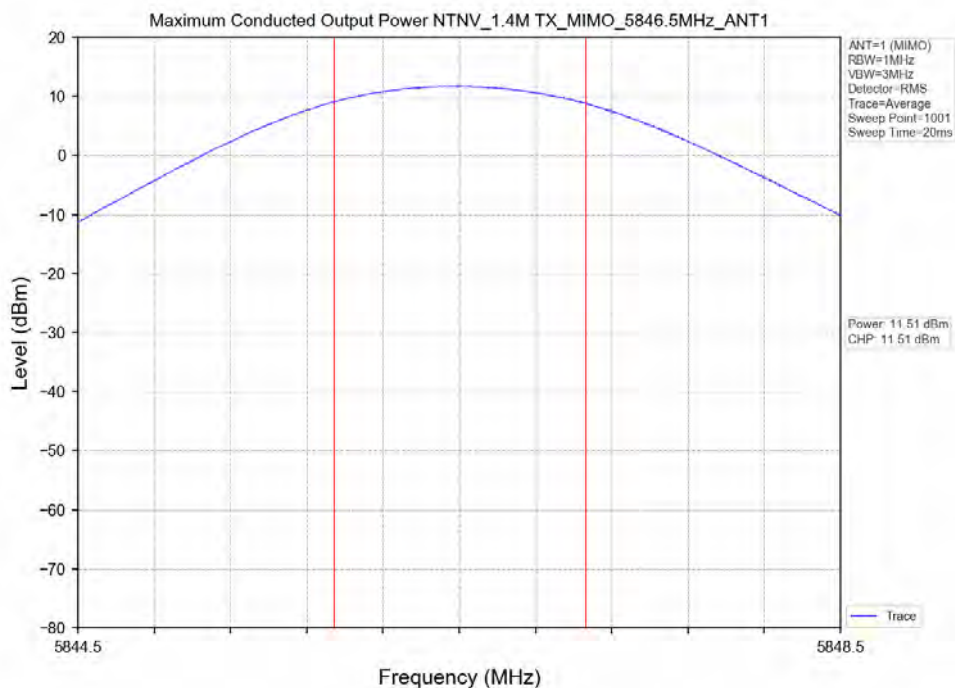
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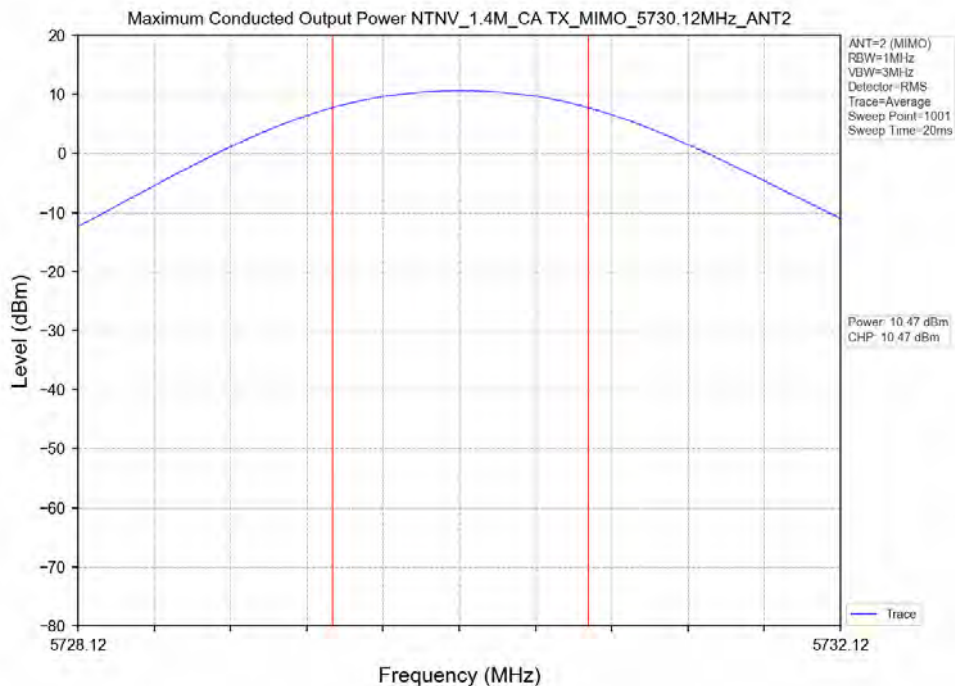
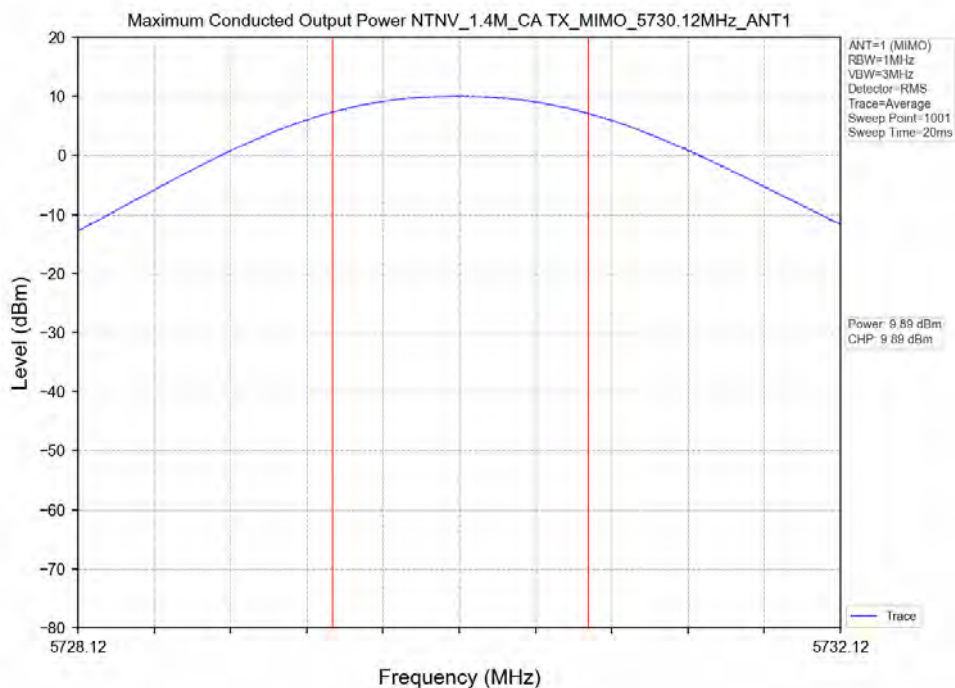
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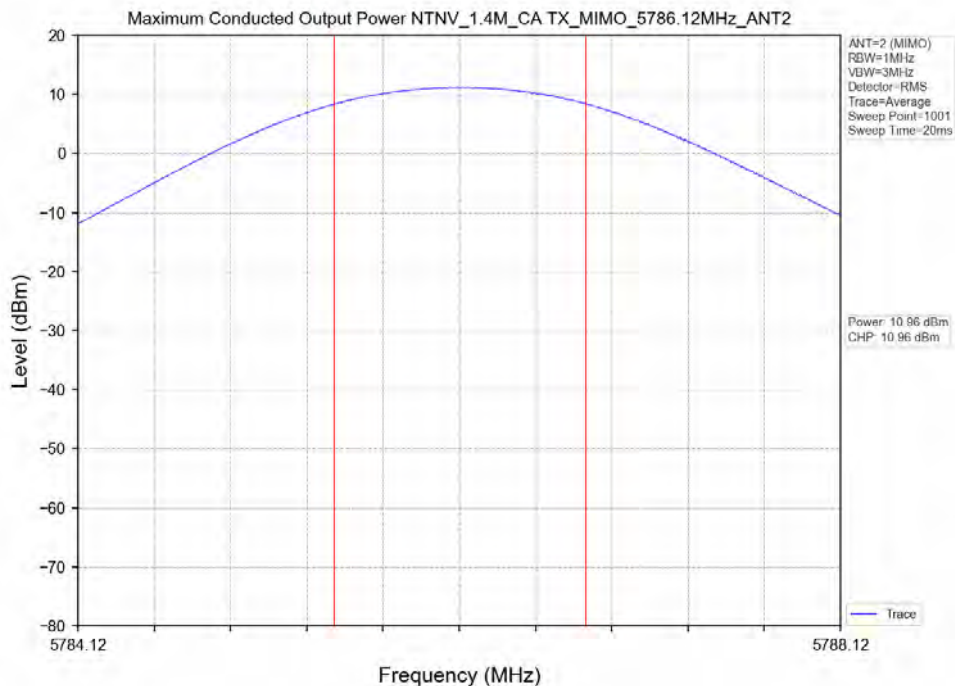
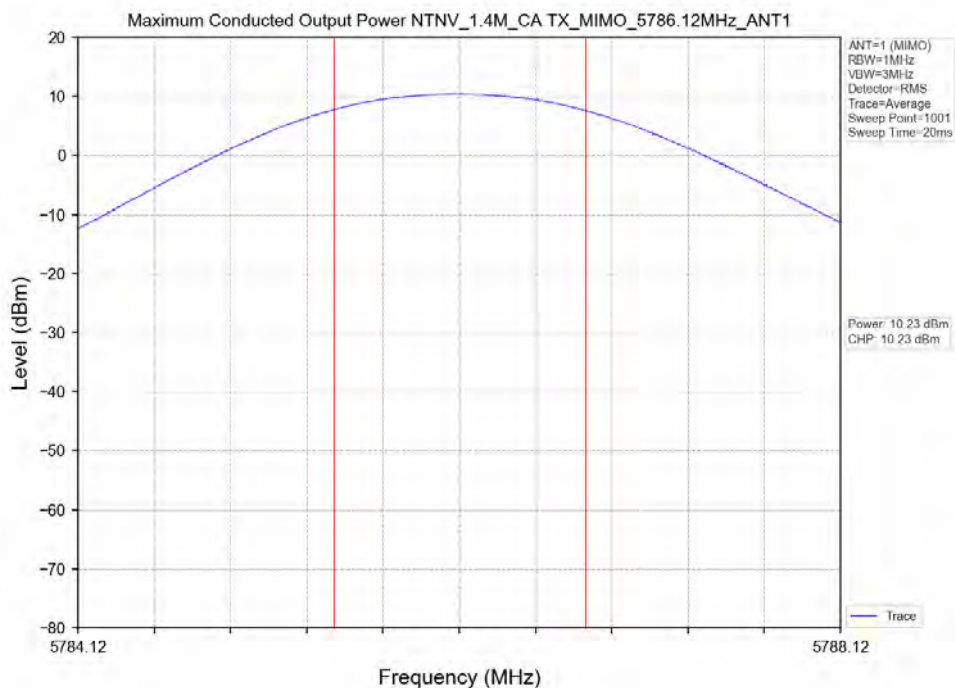
3.2 Test Graph

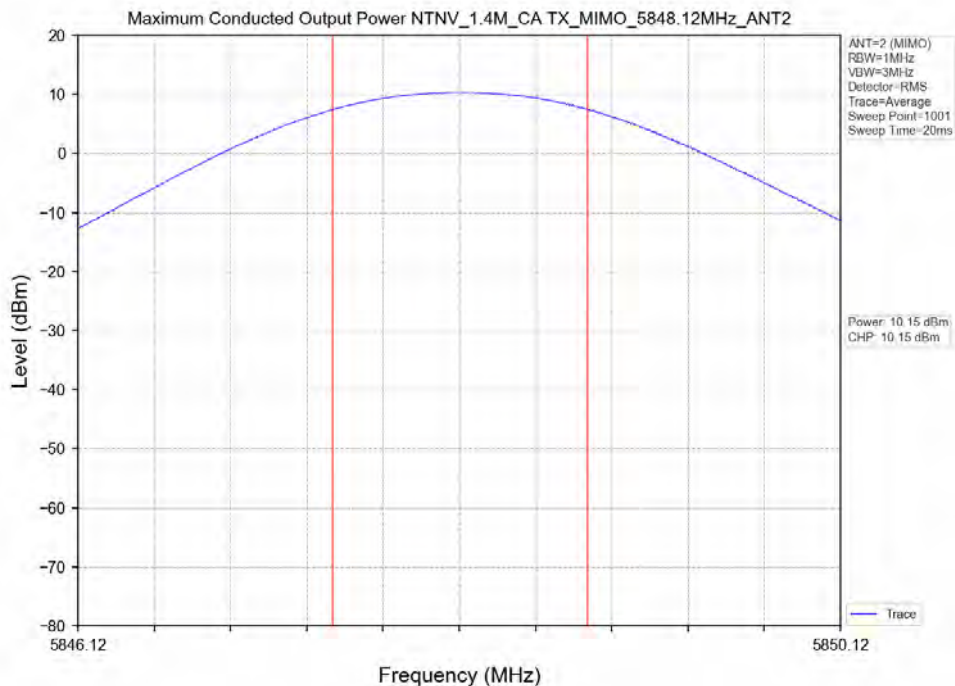
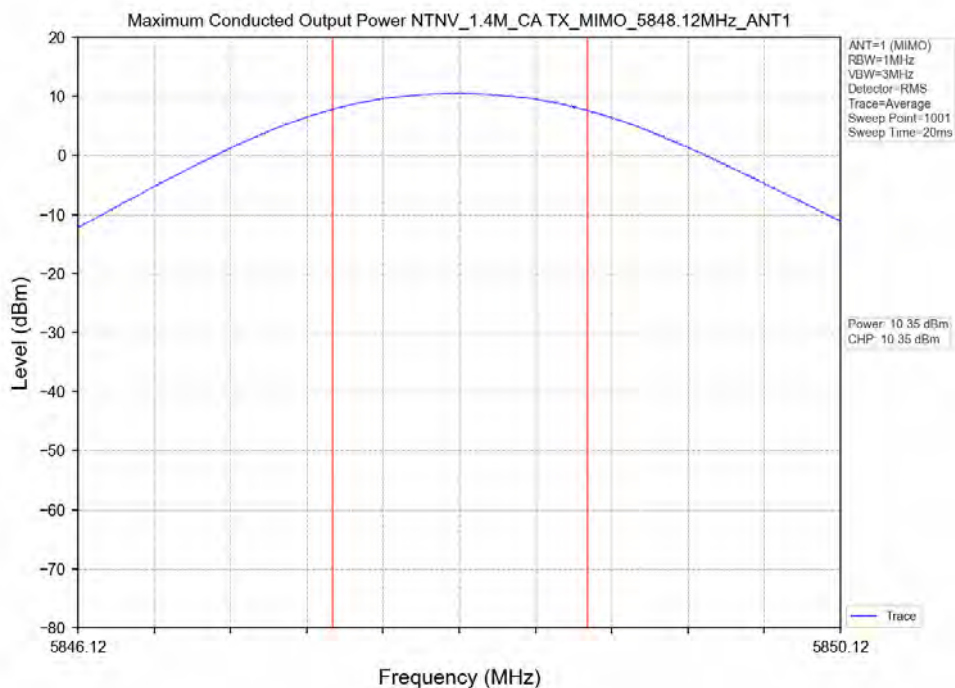


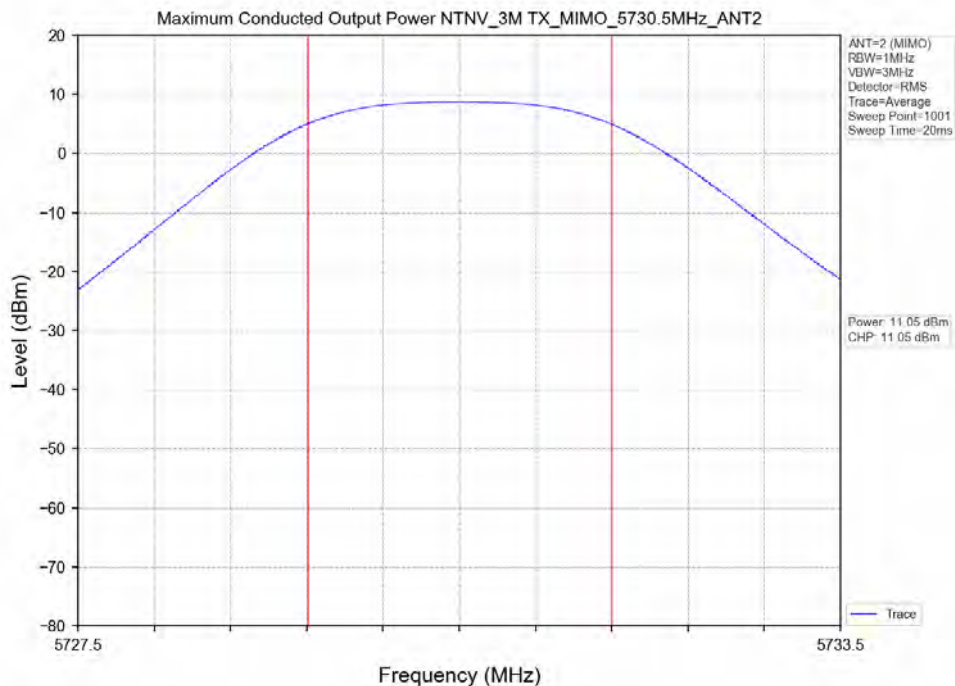
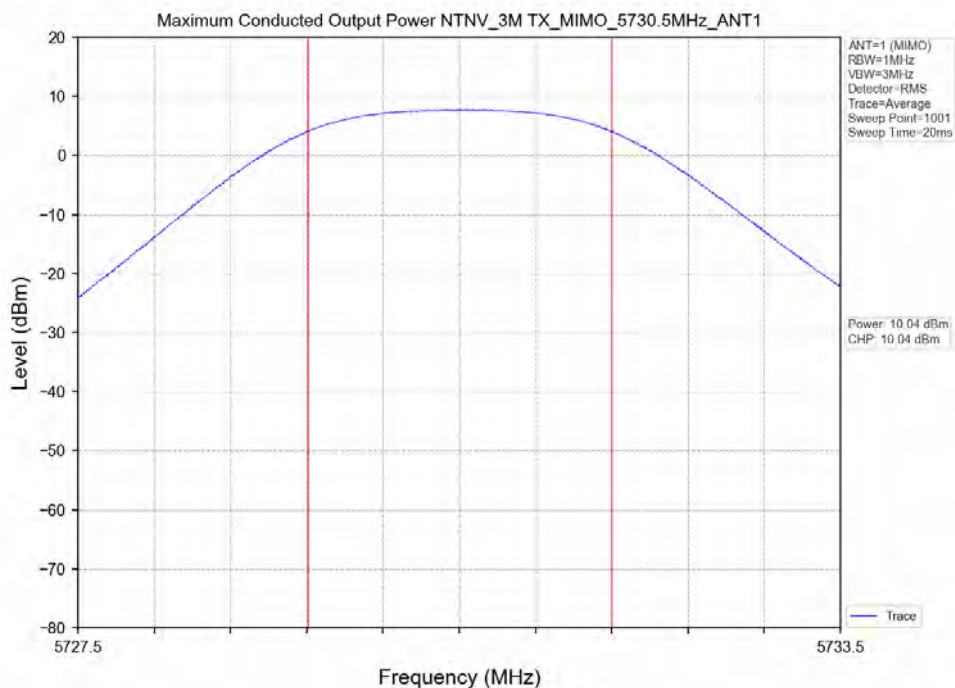


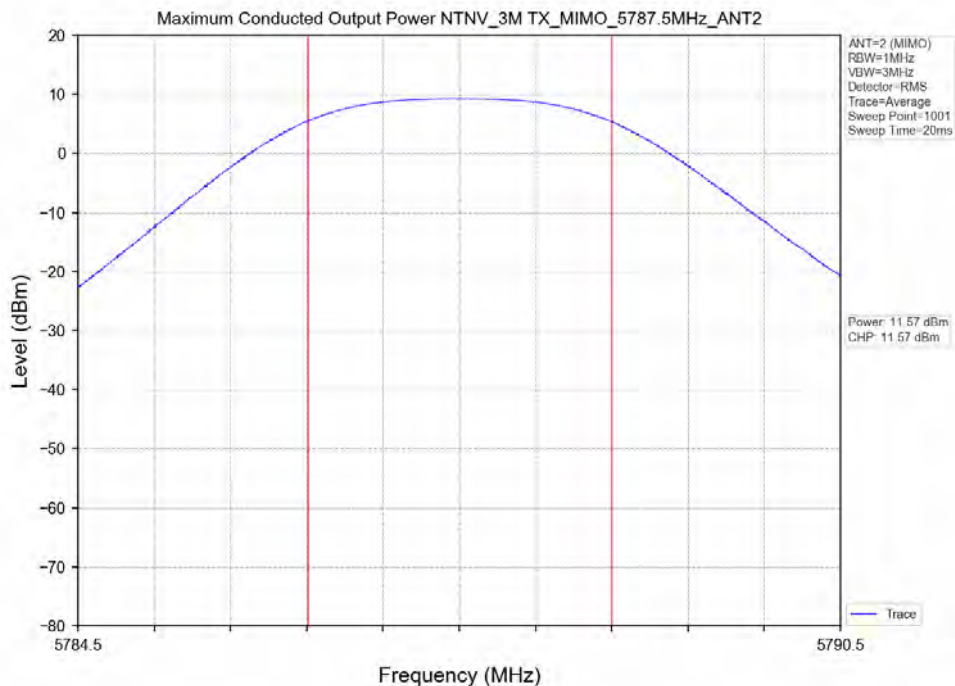
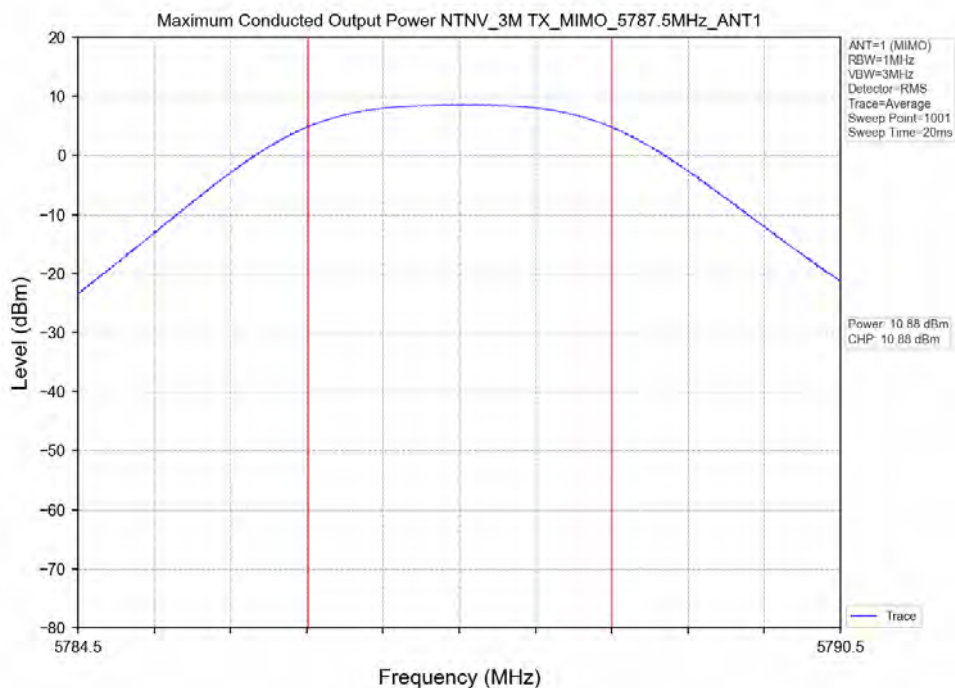


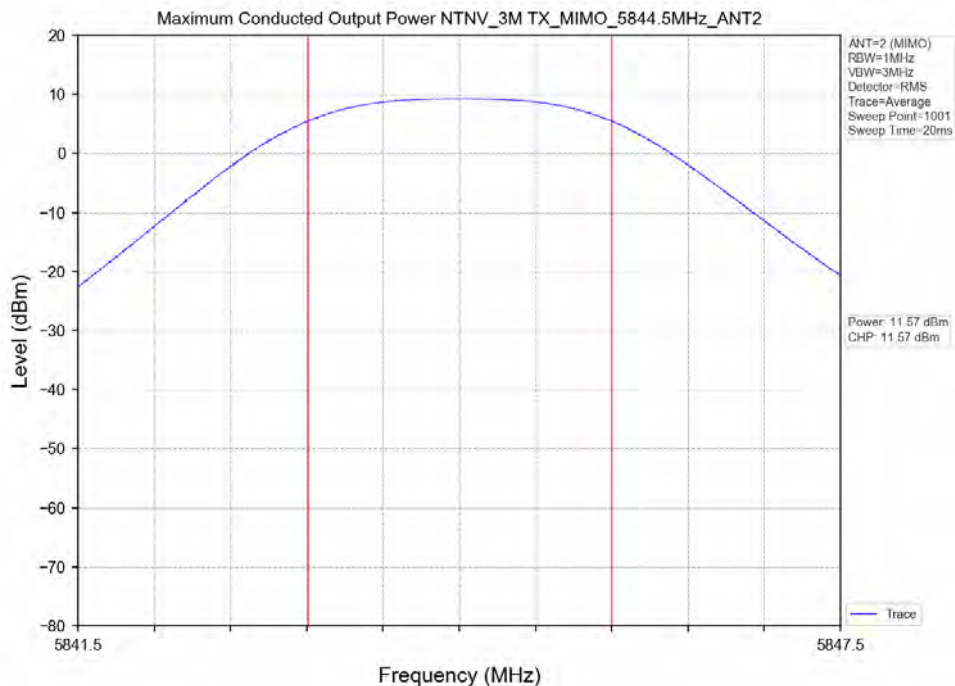
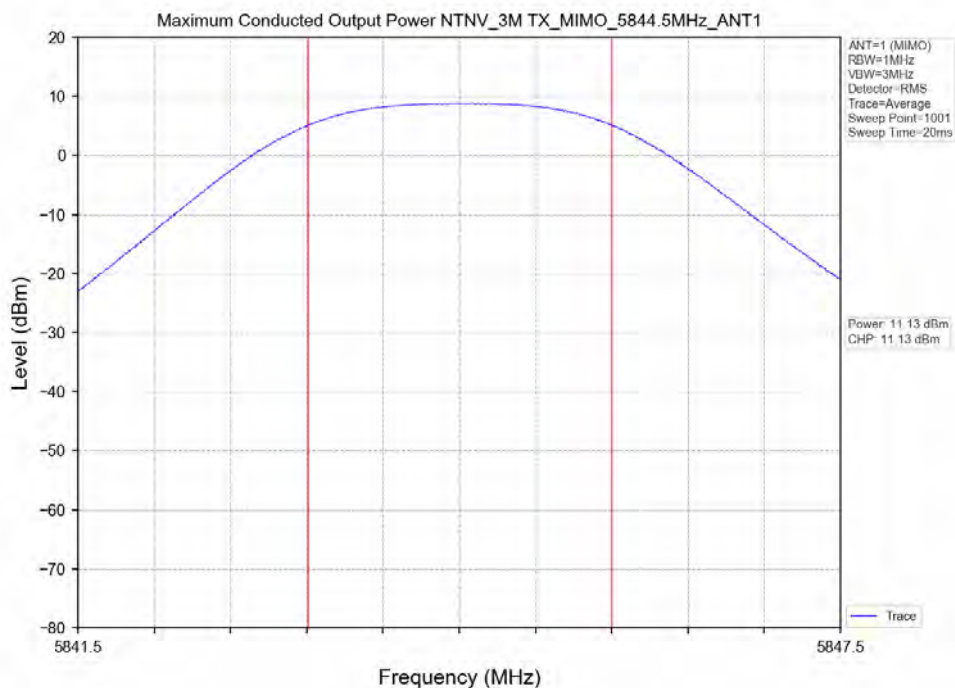




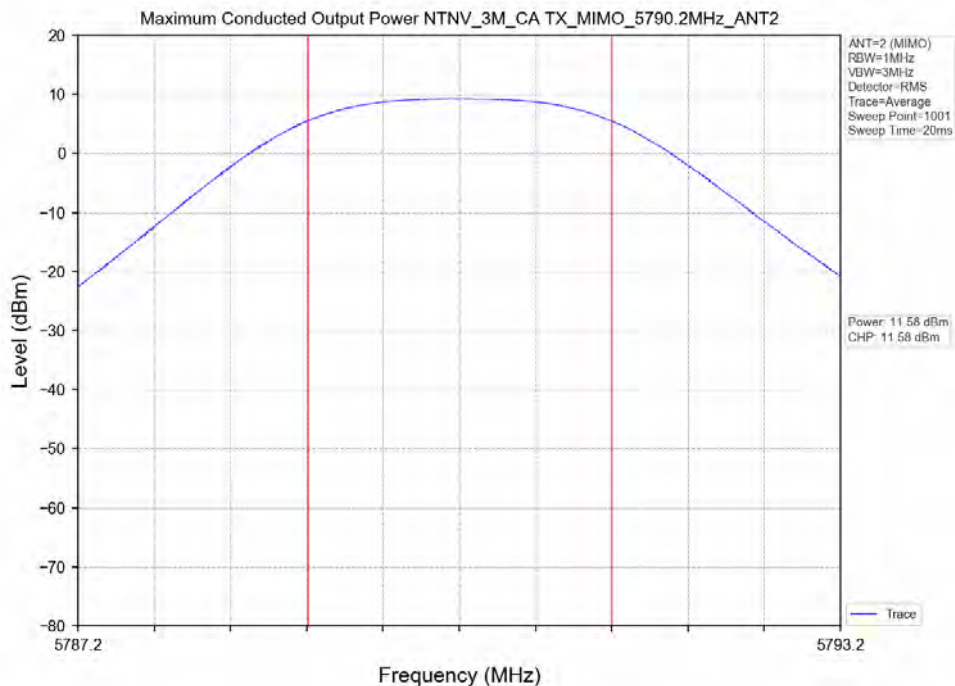
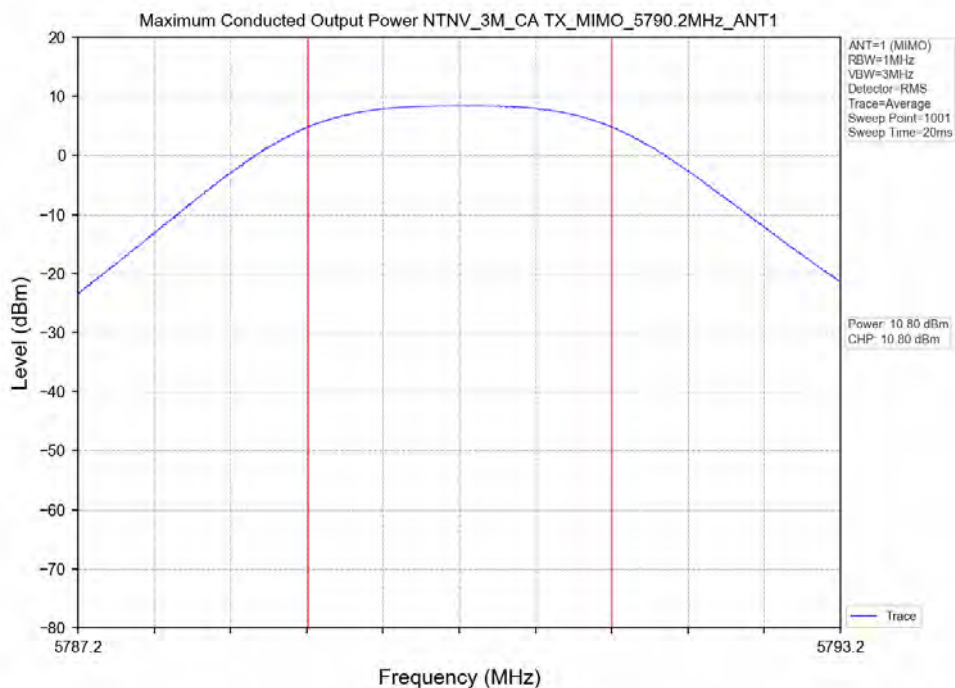


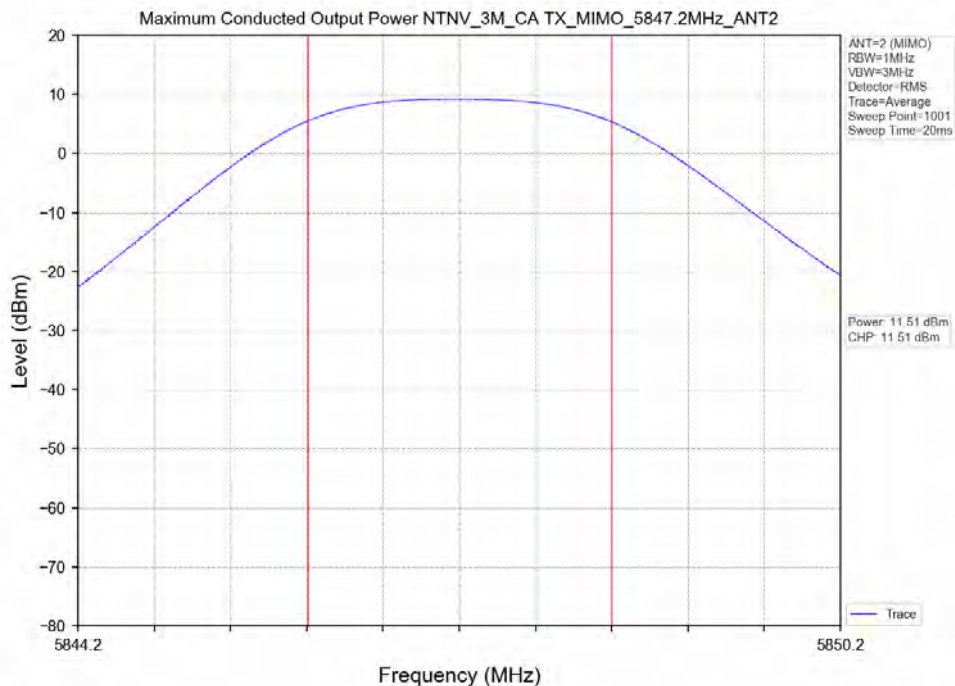
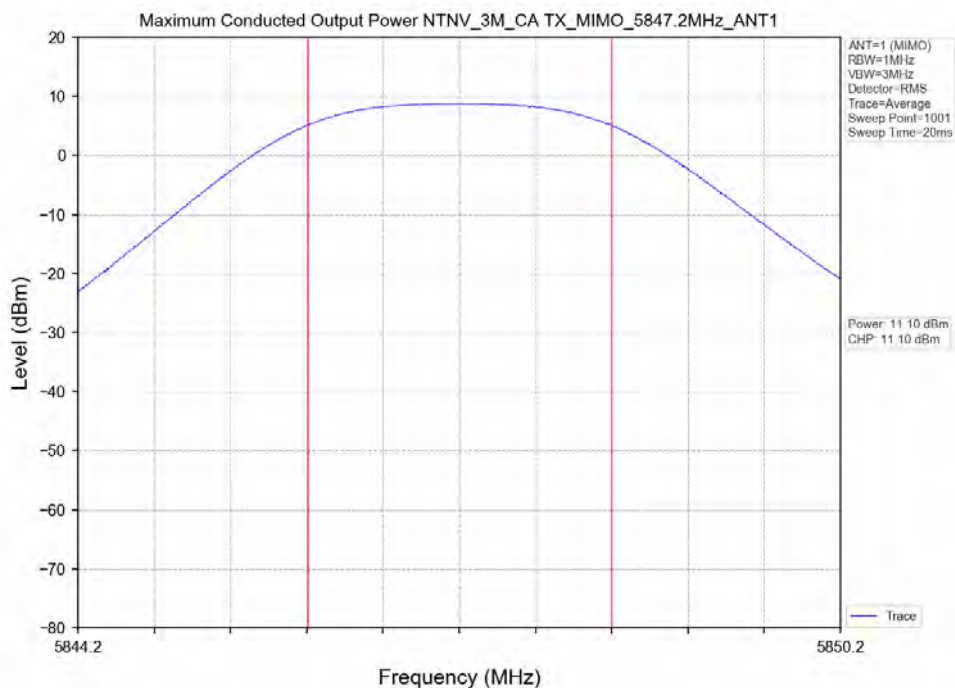














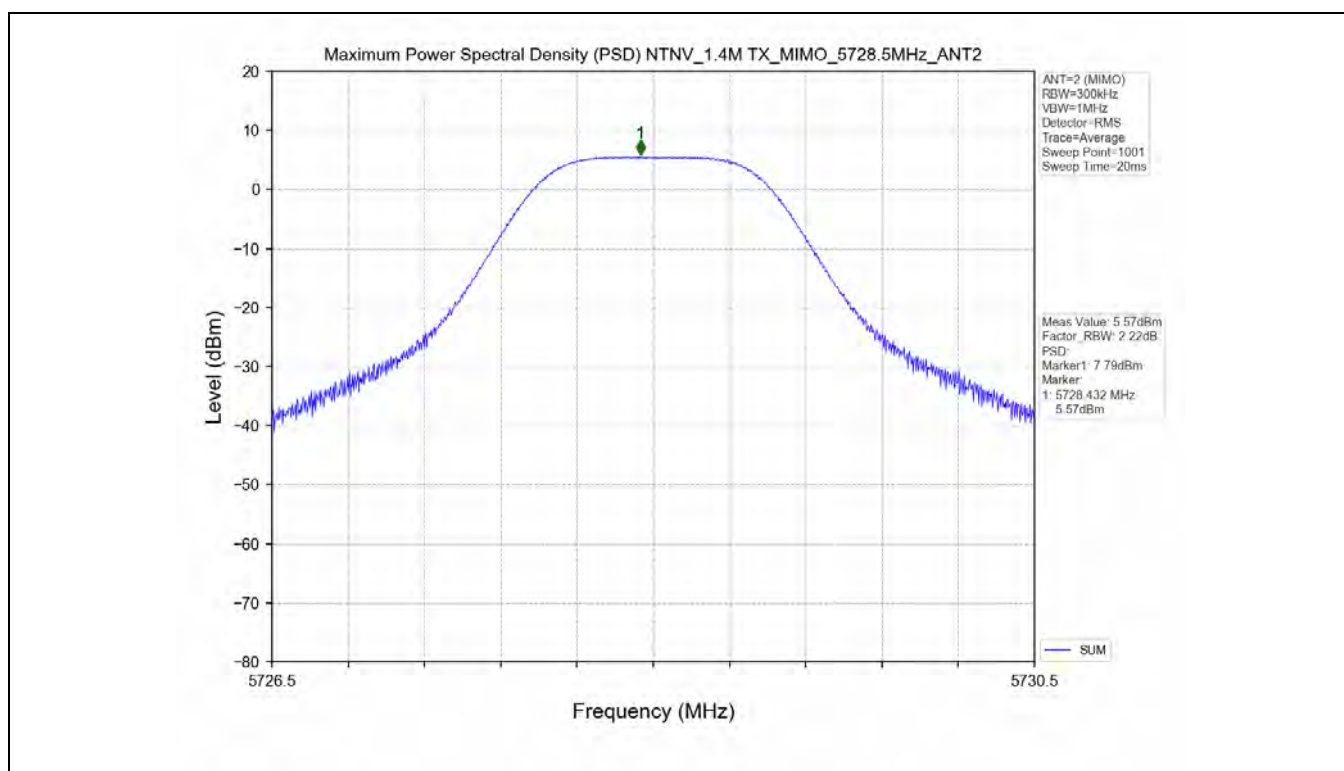
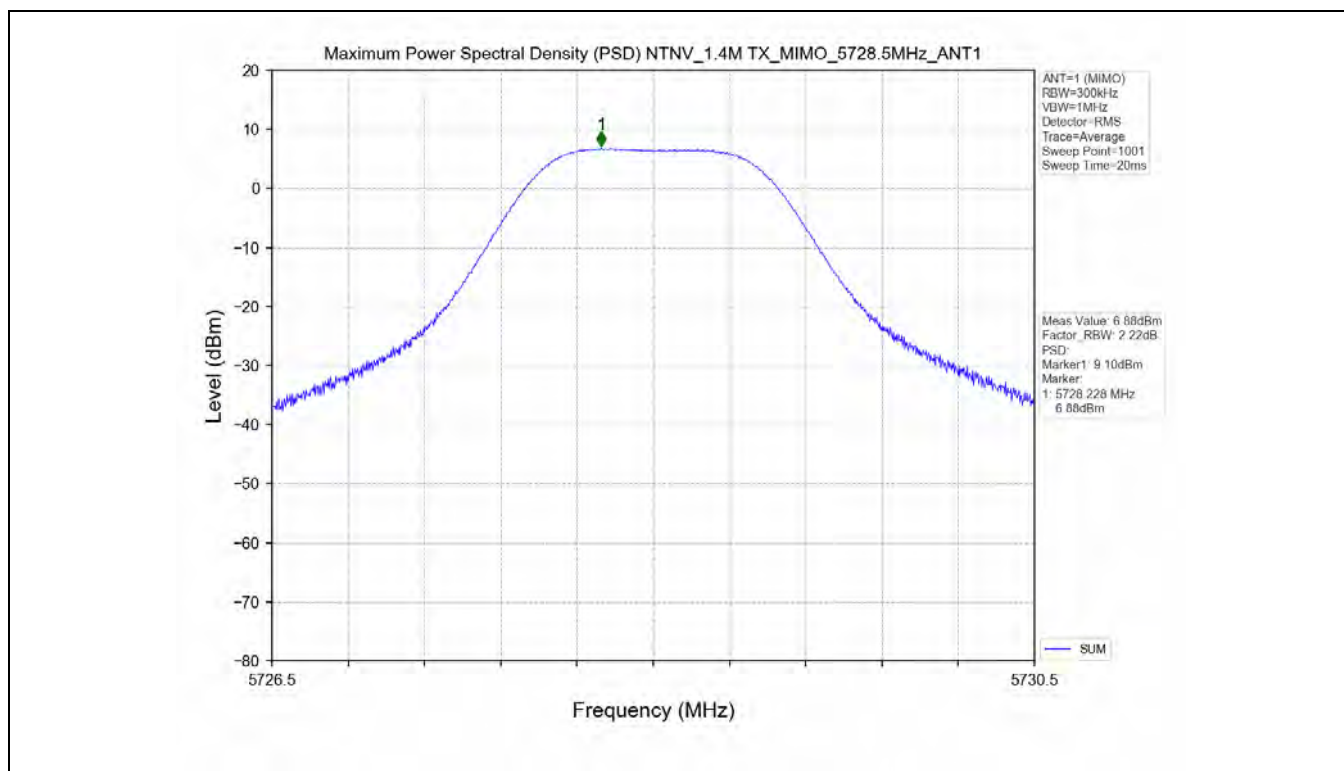
4. Maximum Power Spectral Density (PSD)

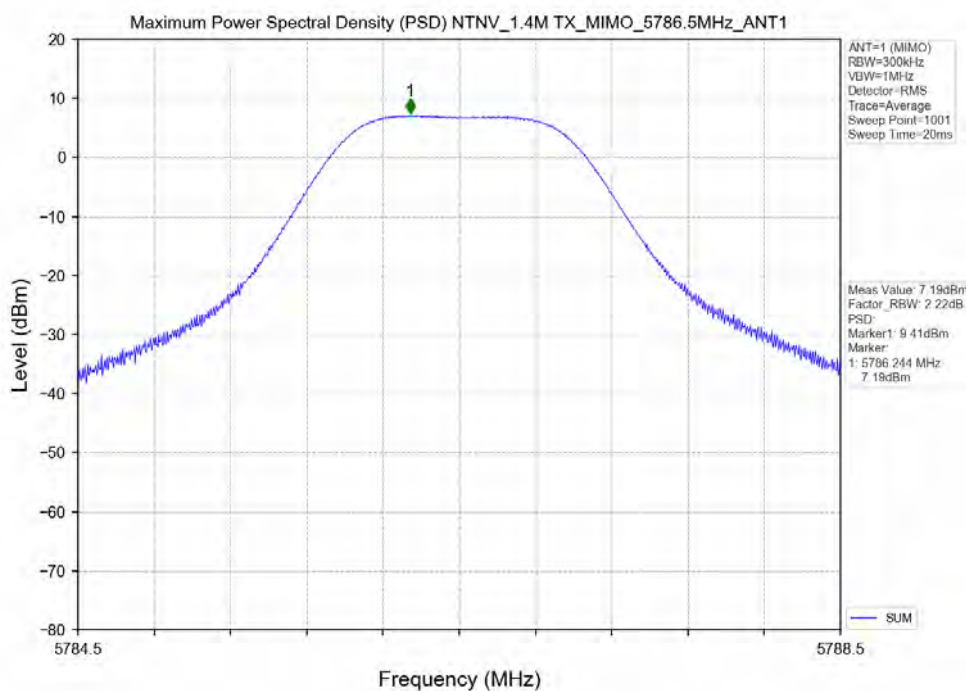
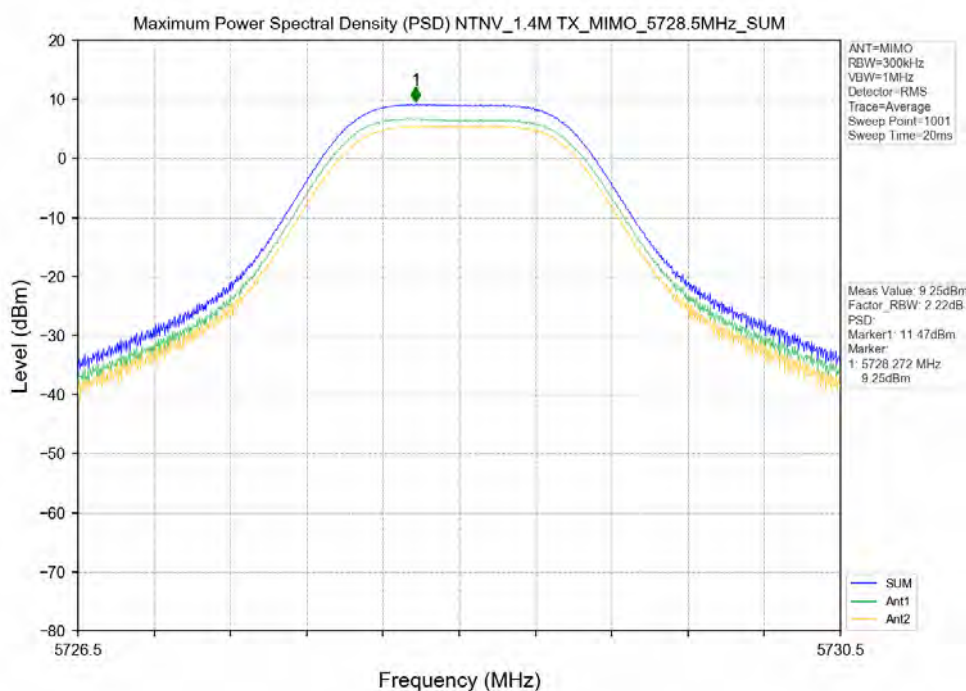
4.1 Test Result

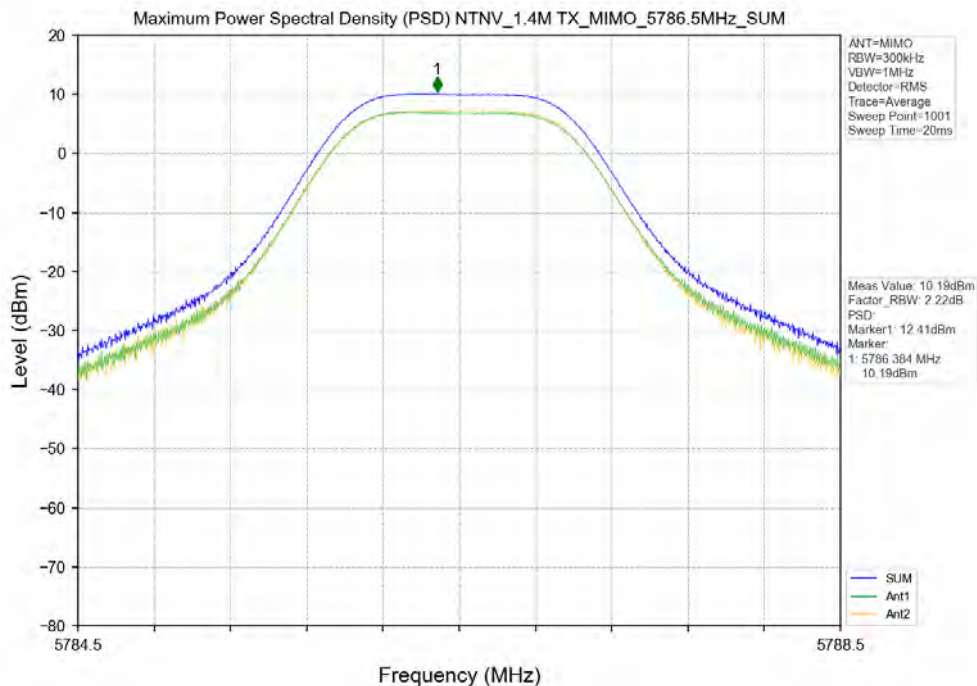
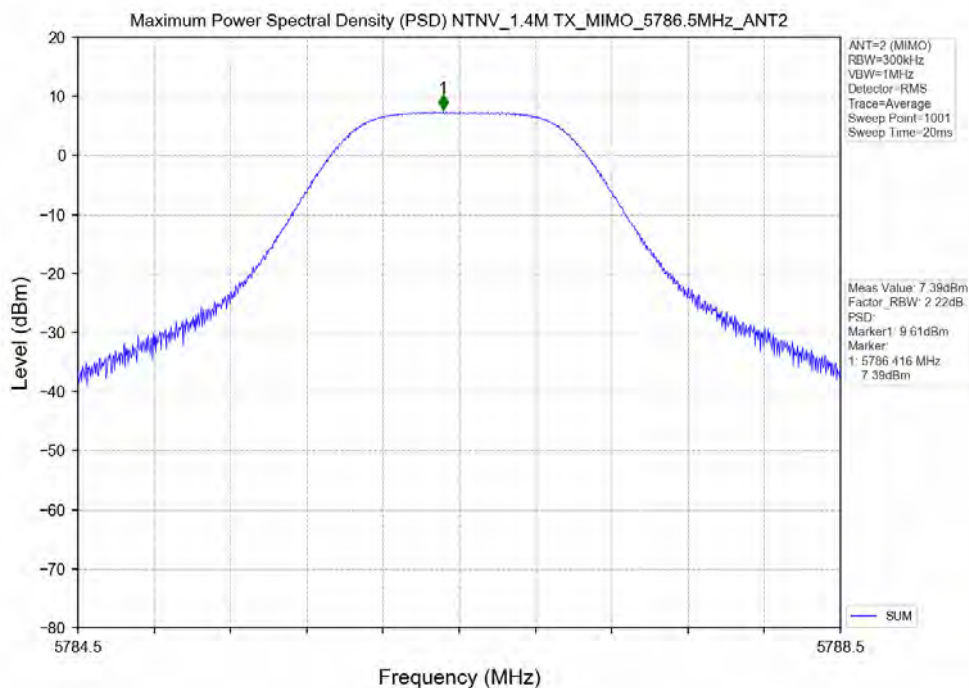
Test Mode	Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)				Verdict	
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)			Limits (dBm/500kHz)	Verdict
			Ant 1	Ant 2	Total		
1.4M TX	5728.5	MIMO	9.10	7.79	11.47	≤28.49	PASS
	5786.5	MIMO	9.41	9.61	12.41	≤28.49	PASS
	5846.5	MIMO	10.31	9.65	12.89	≤28.49	PASS
1.4M_CA TX	5730.12	MIMO	8.44	8.92	11.62	≤28.49	PASS
	5786.12	MIMO	8.89	9.51	12.10	≤28.49	PASS
	5848.12	MIMO	9.01	8.84	11.81	≤28.49	PASS
3M TX	5730.5	MIMO	5.19	6.16	8.64	≤28.49	PASS
	5787.5	MIMO	6.01	6.79	9.38	≤28.49	PASS
	5844.5	MIMO	6.26	6.74	9.39	≤28.49	PASS
3M_CA TX	5733.2	MIMO	5.61	6.36	8.96	≤28.49	PASS
	5790.2	MIMO	5.94	6.73	9.28	≤28.49	PASS
	5847.2	MIMO	6.23	6.64	9.38	≤28.49	PASS

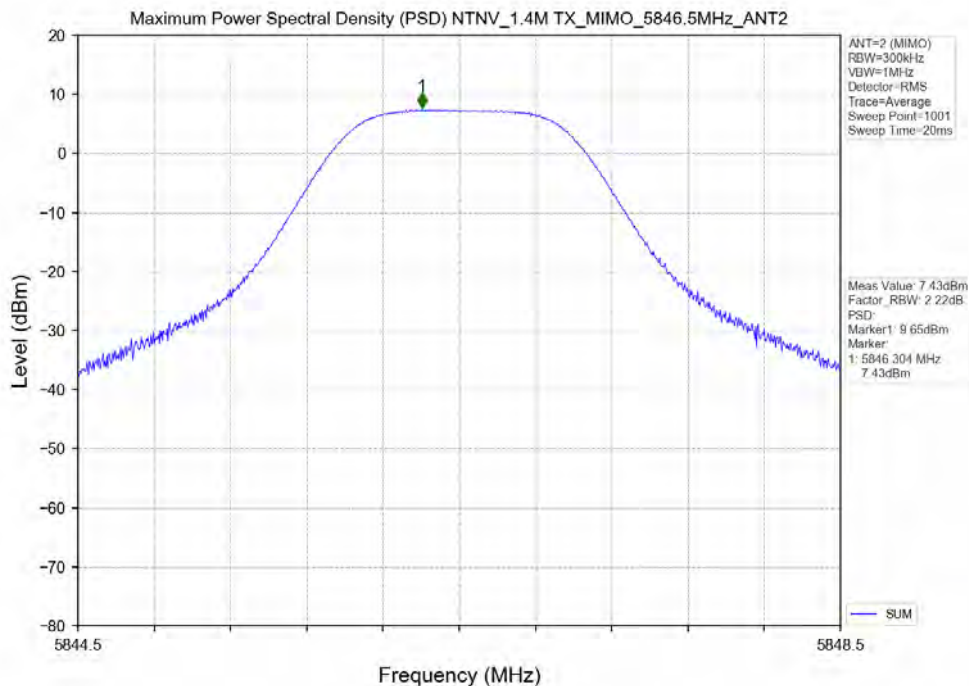
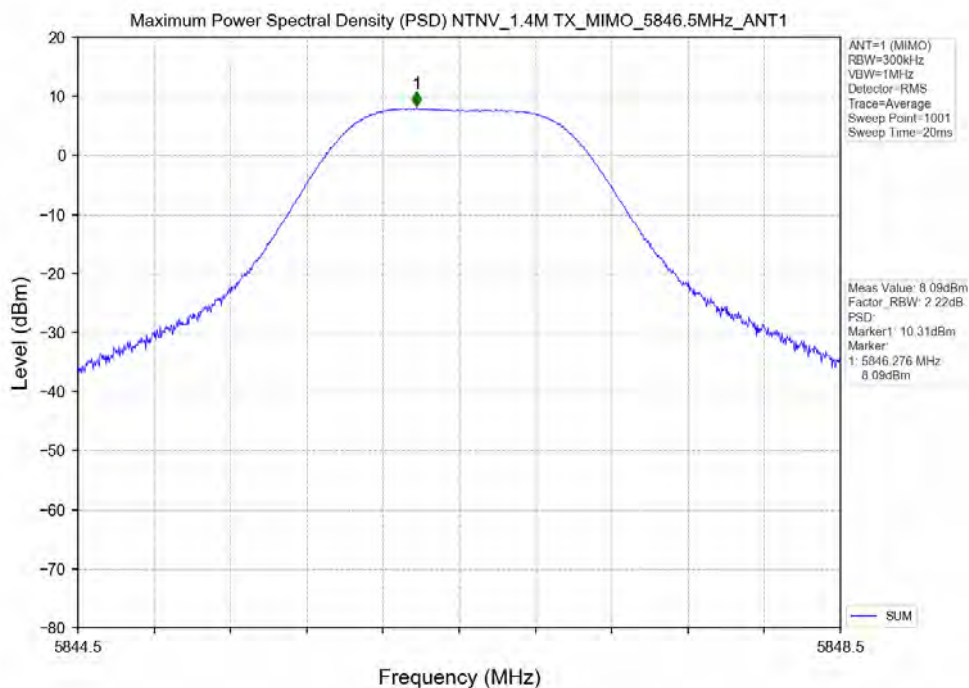


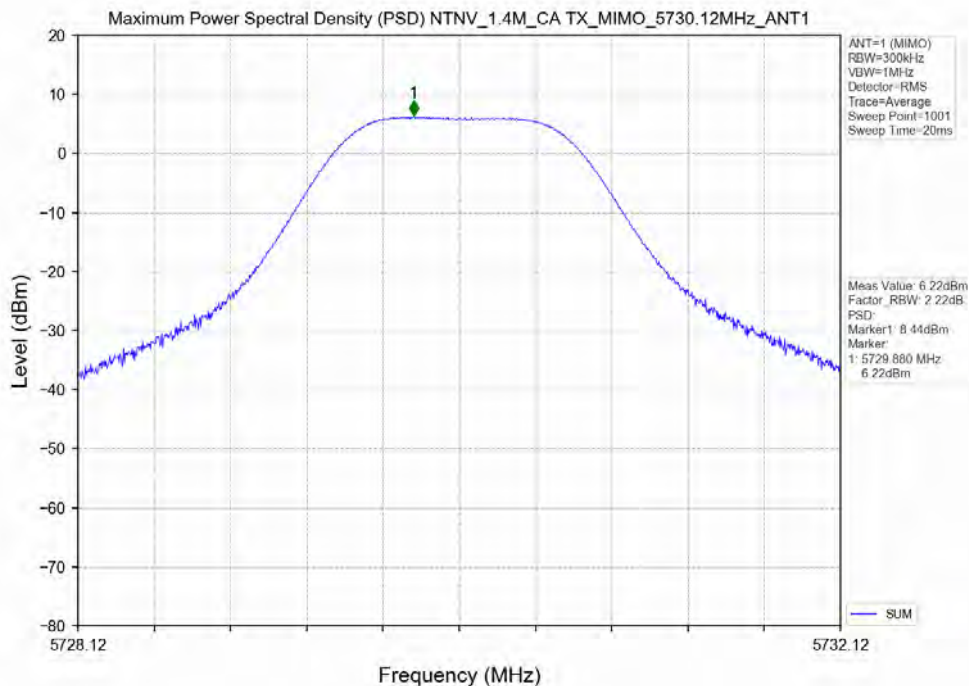
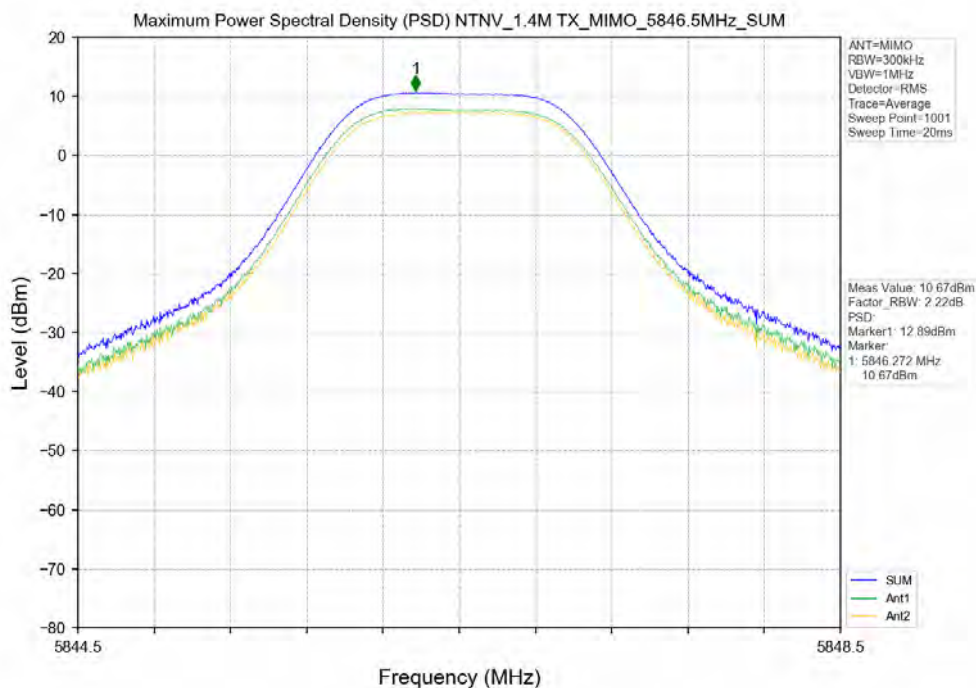
4.2 Test Graph

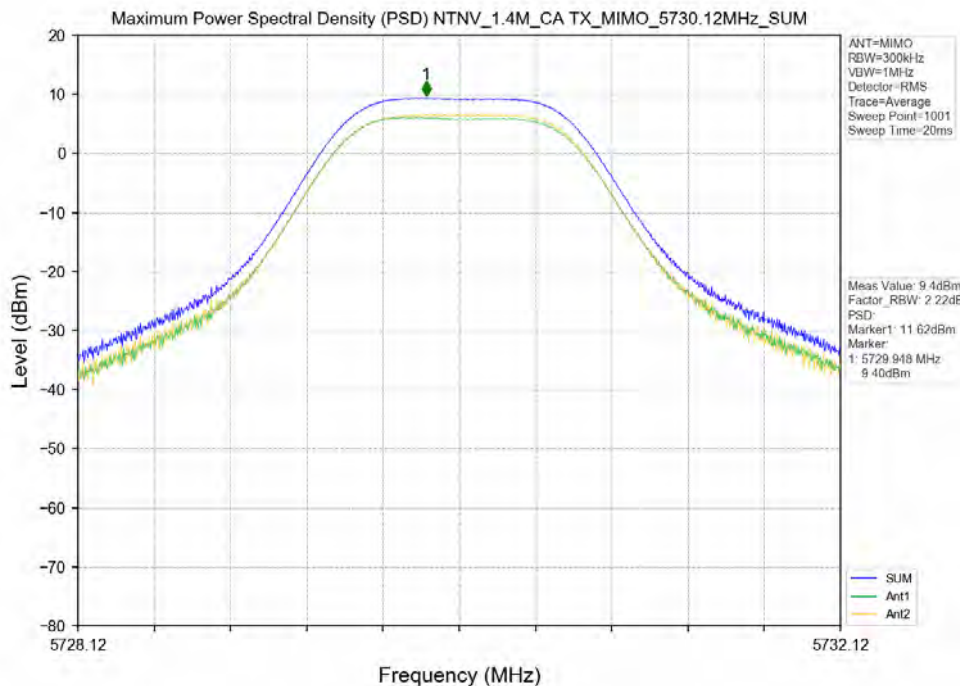
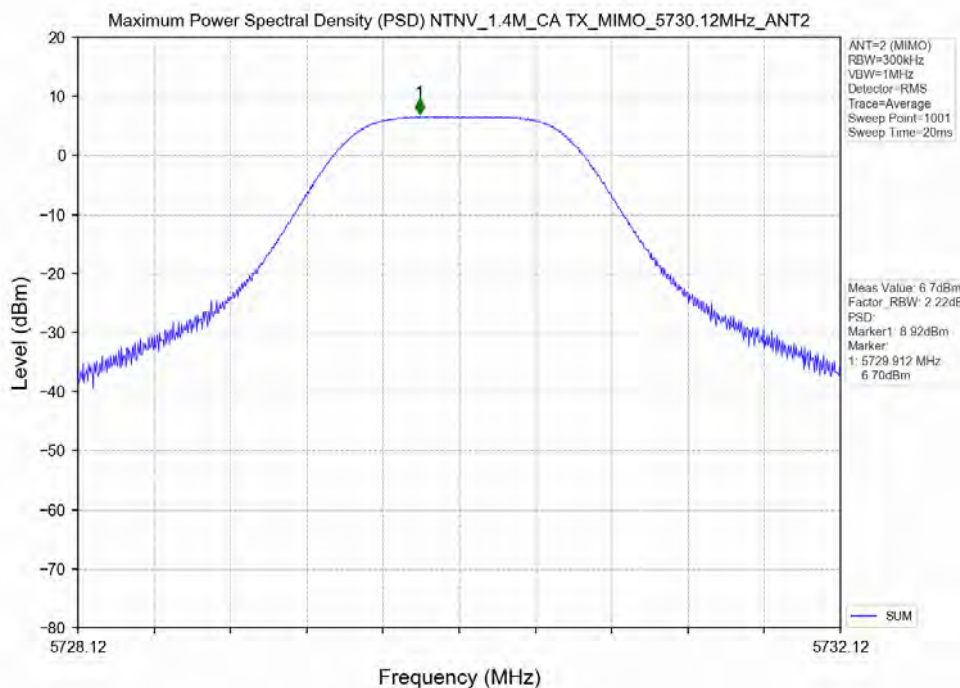


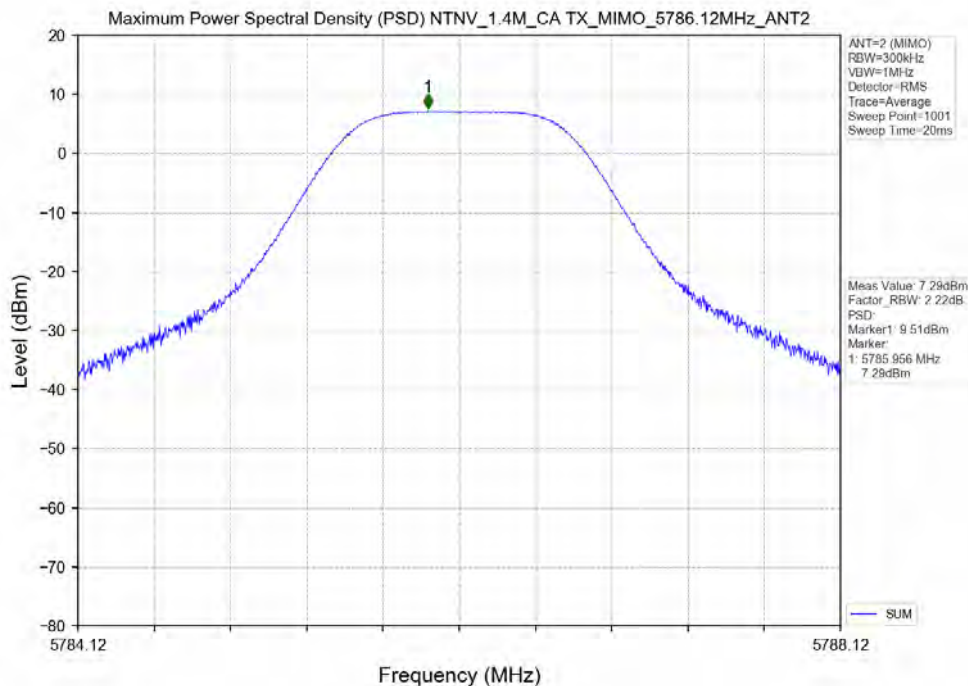
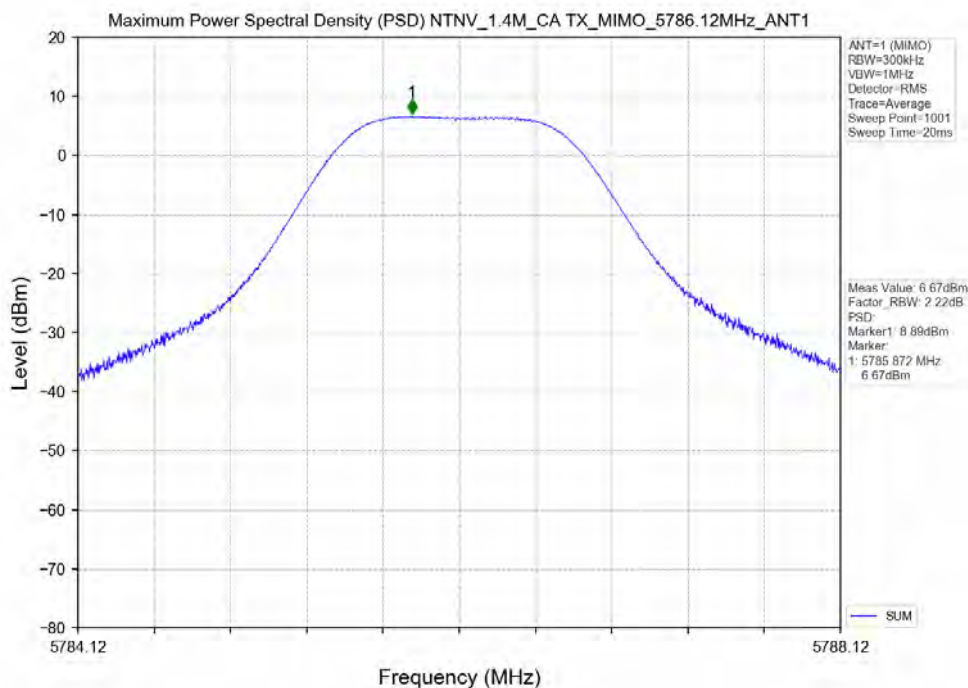


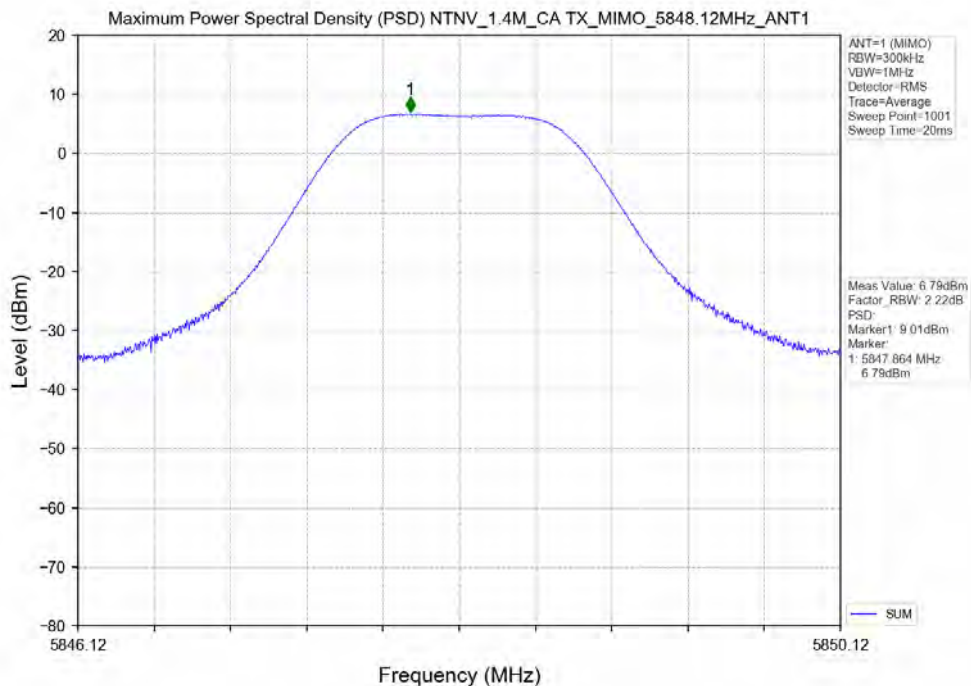
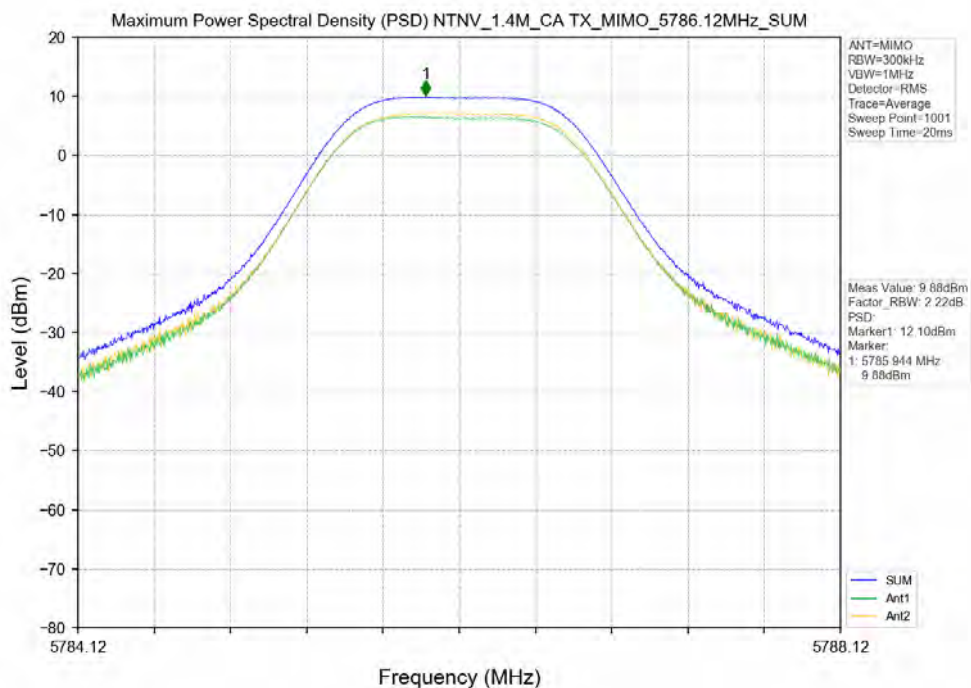


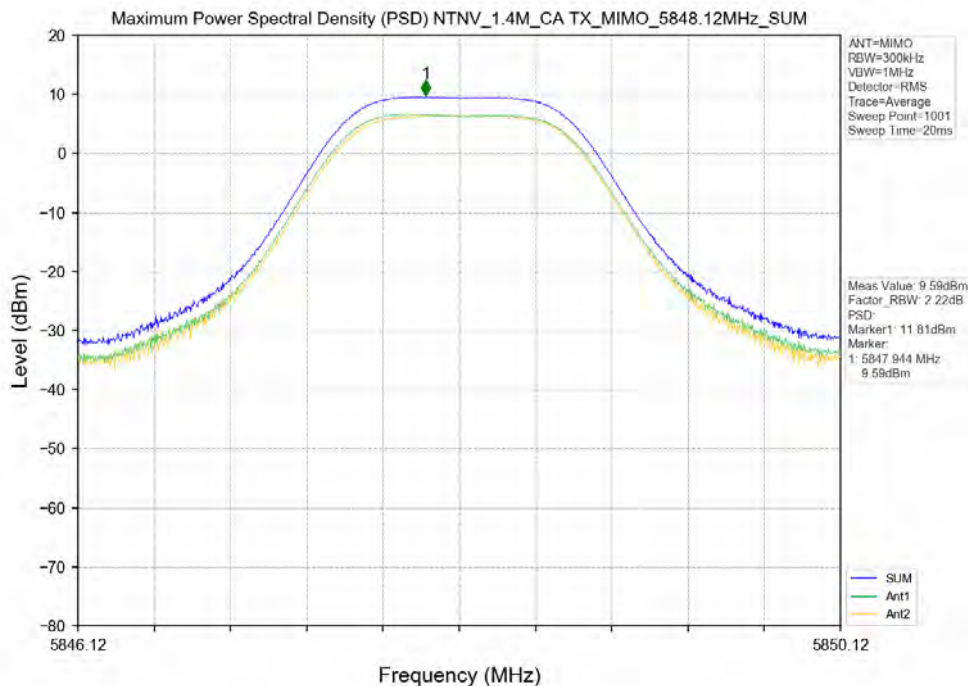
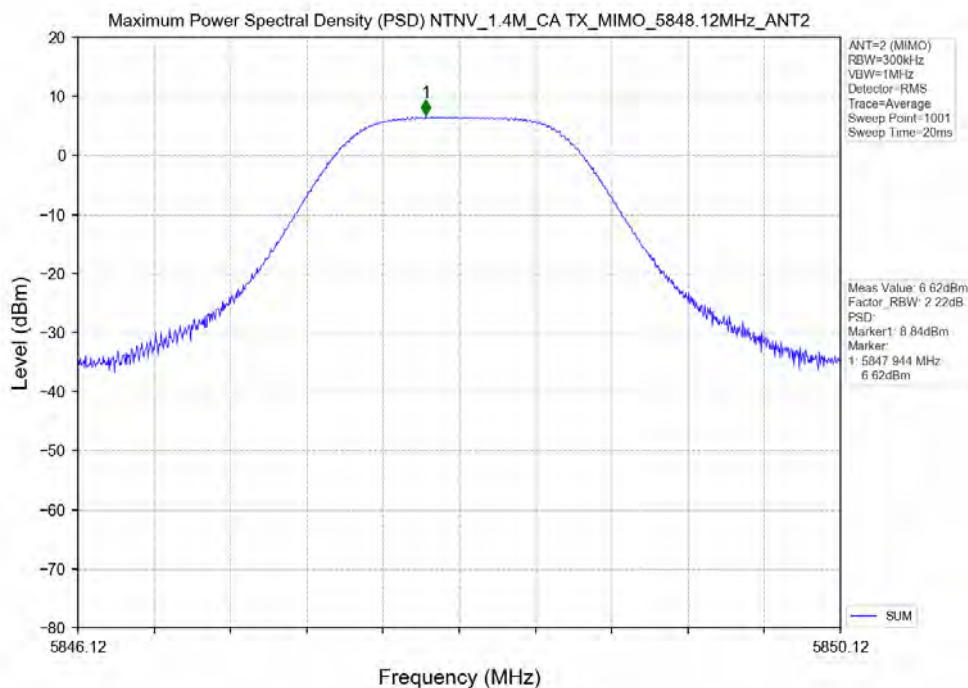


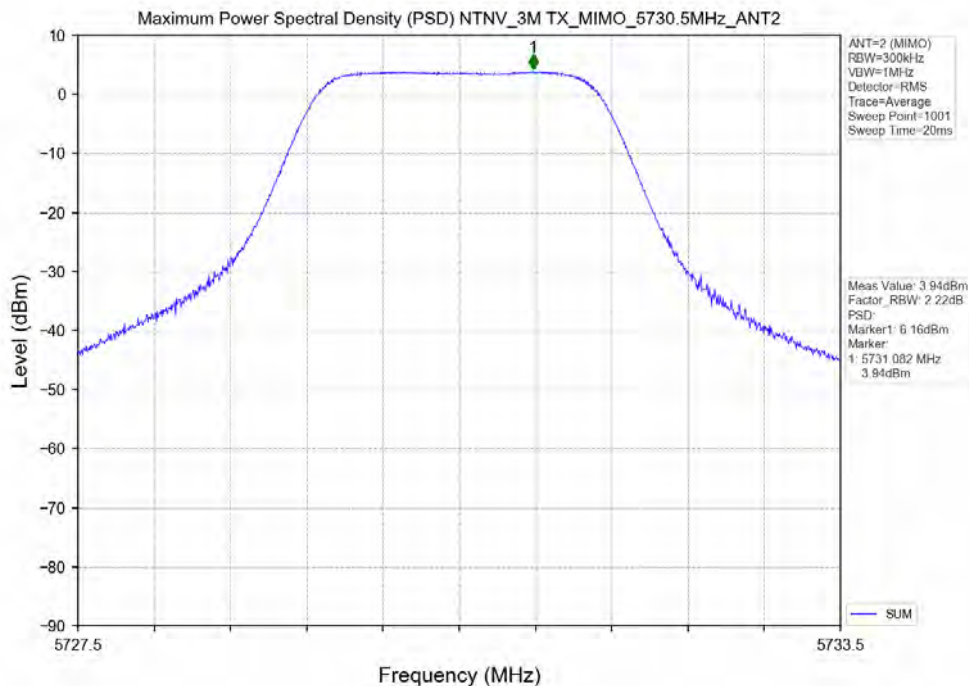
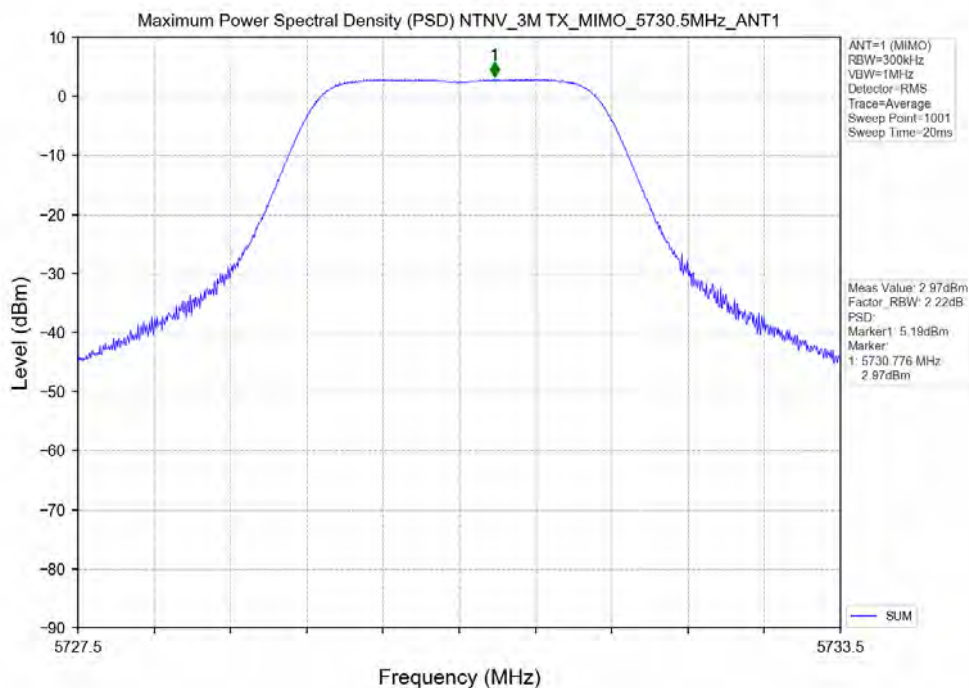


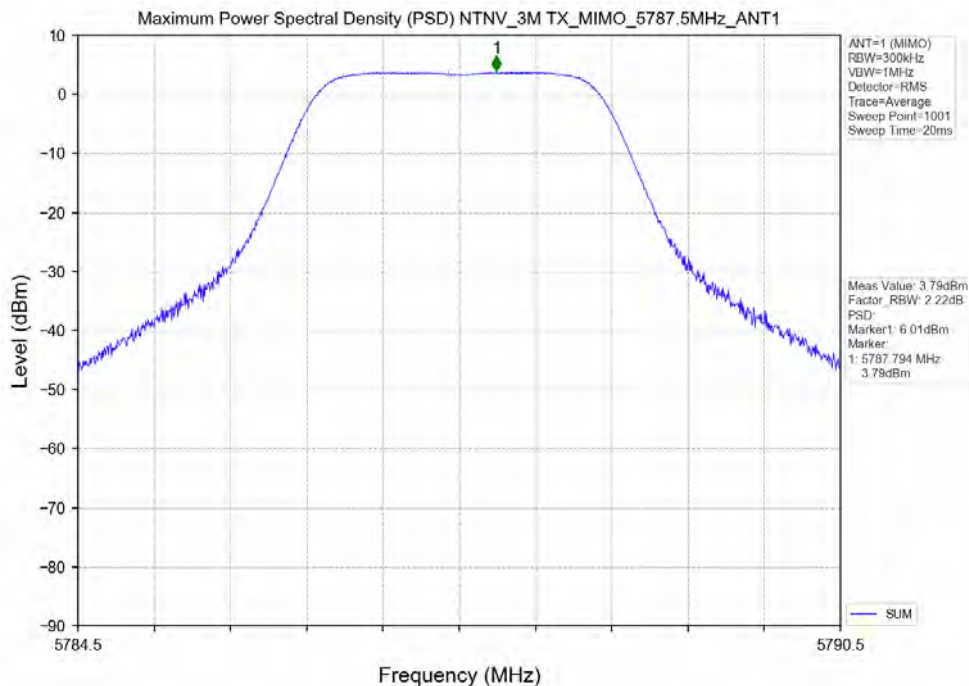
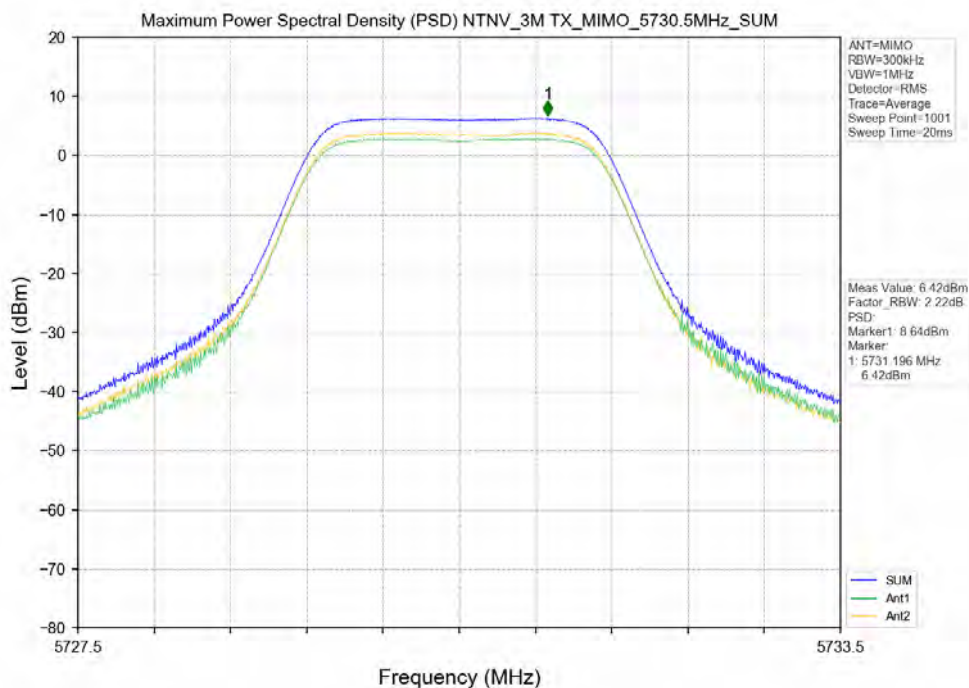


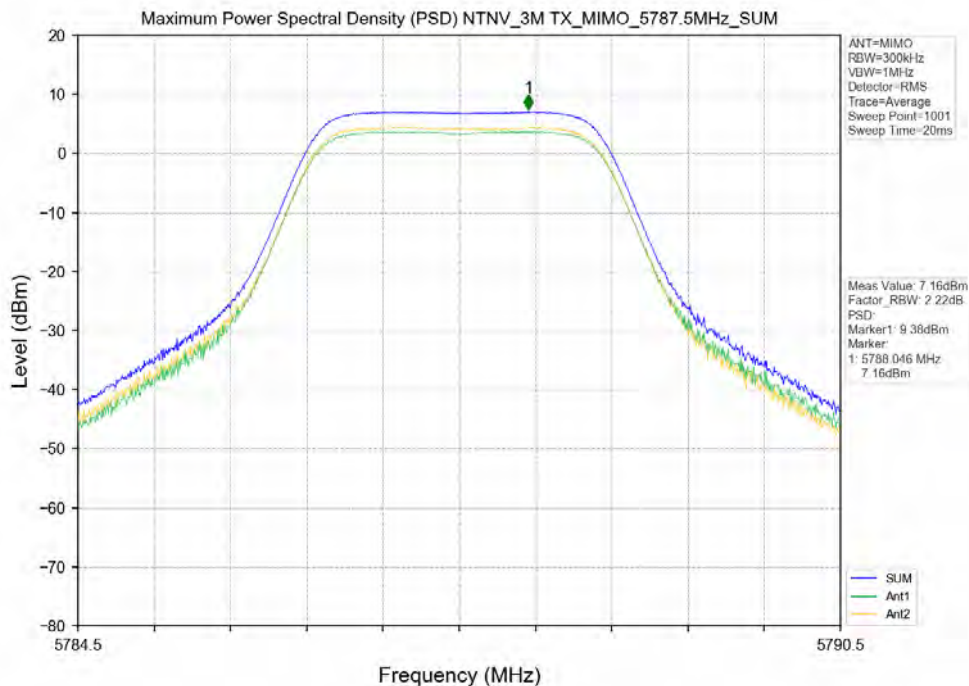
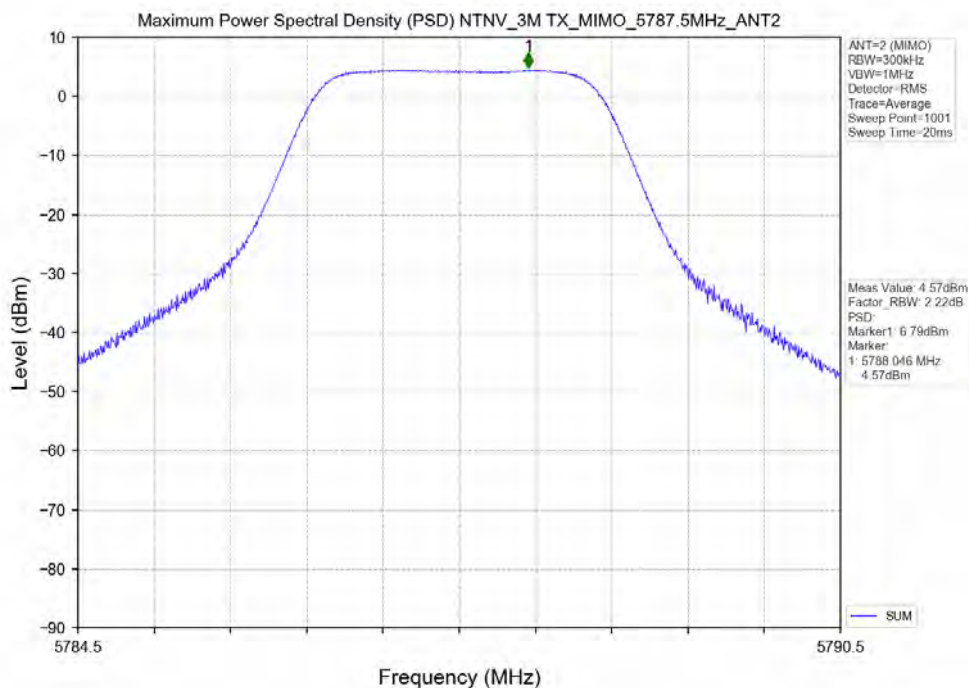


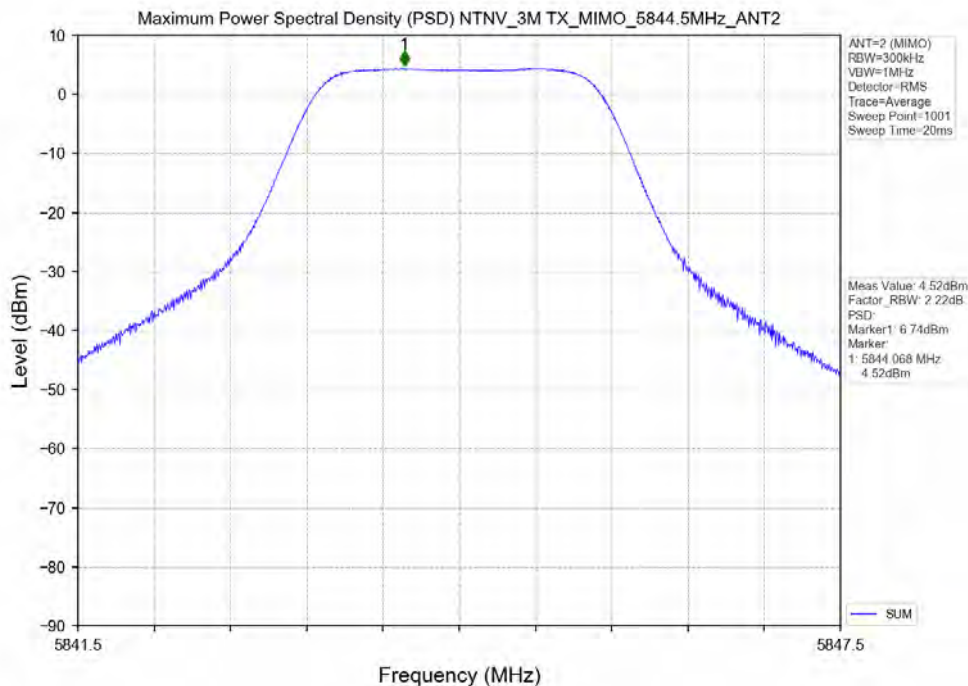
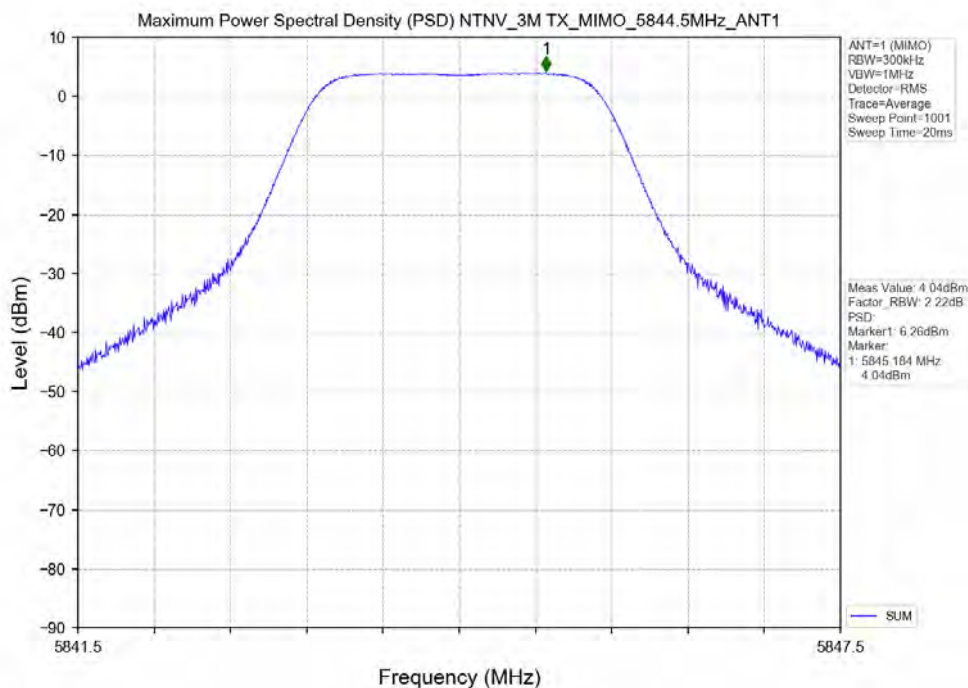


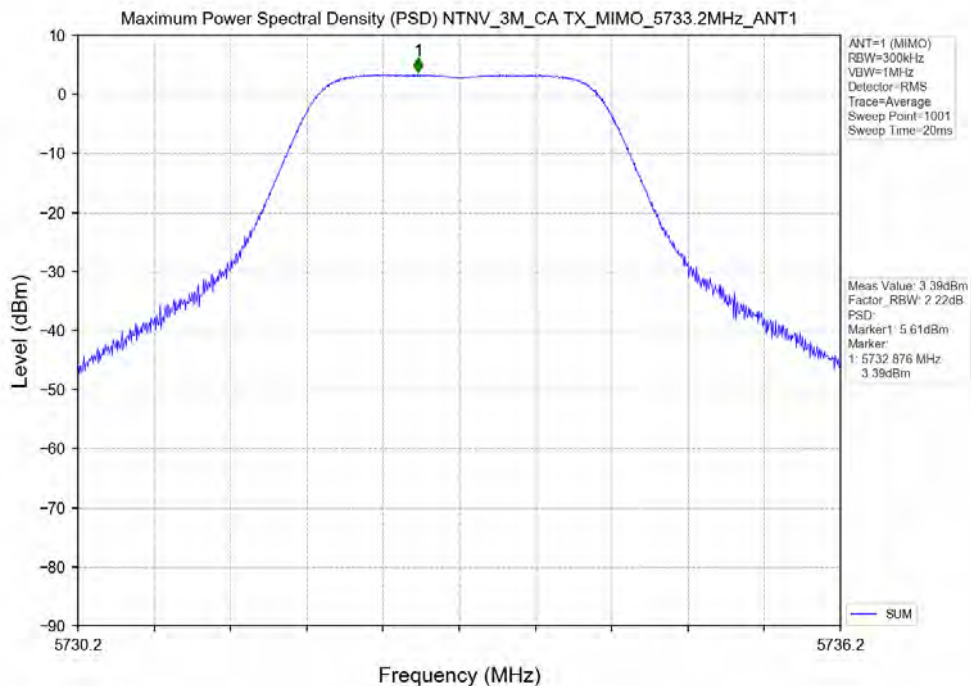
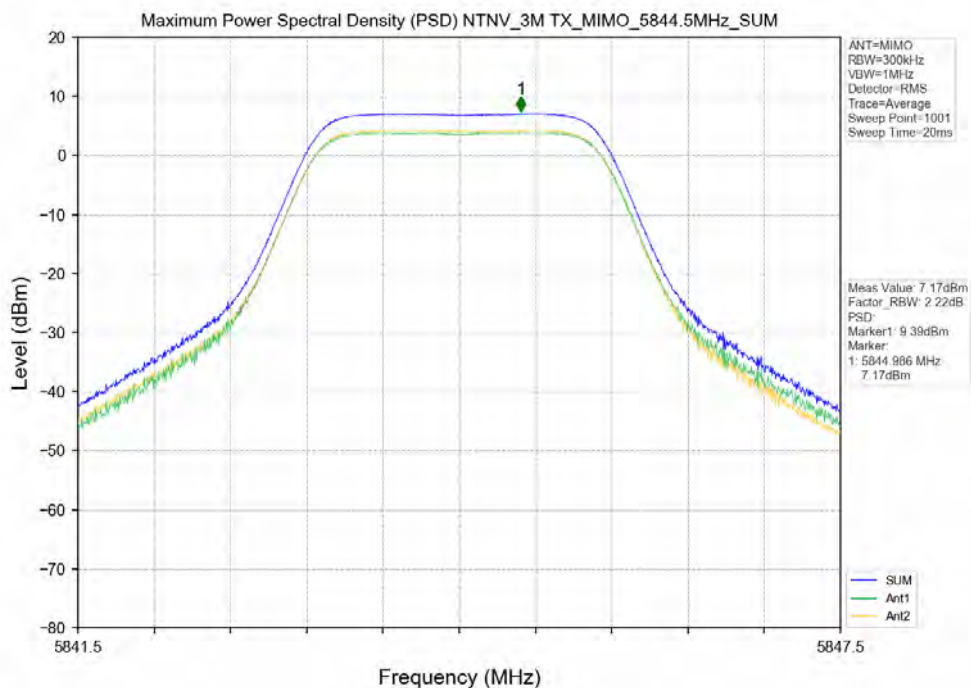


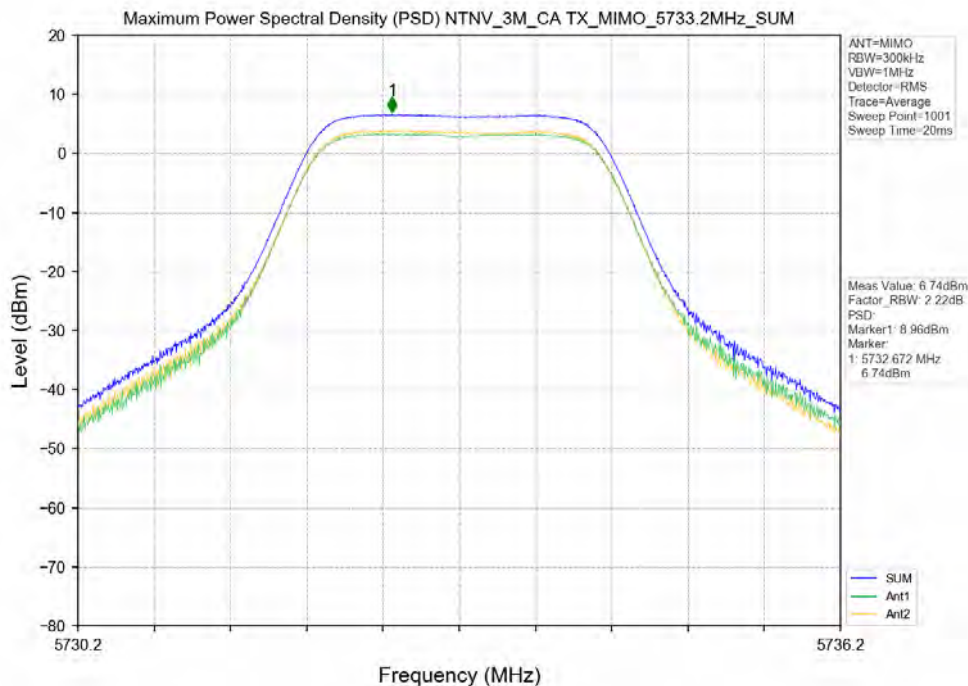
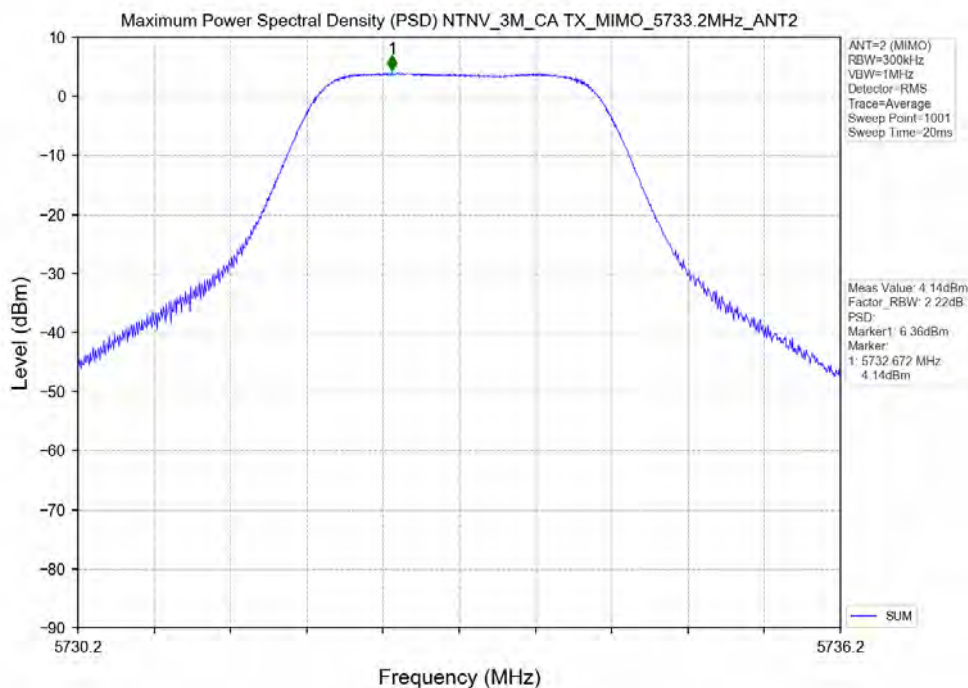


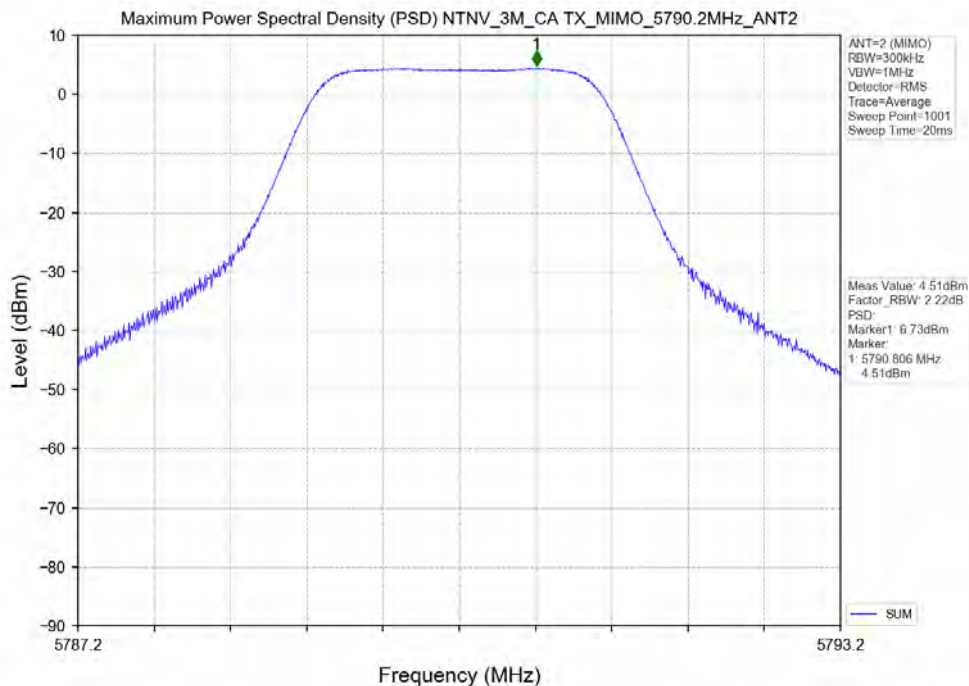
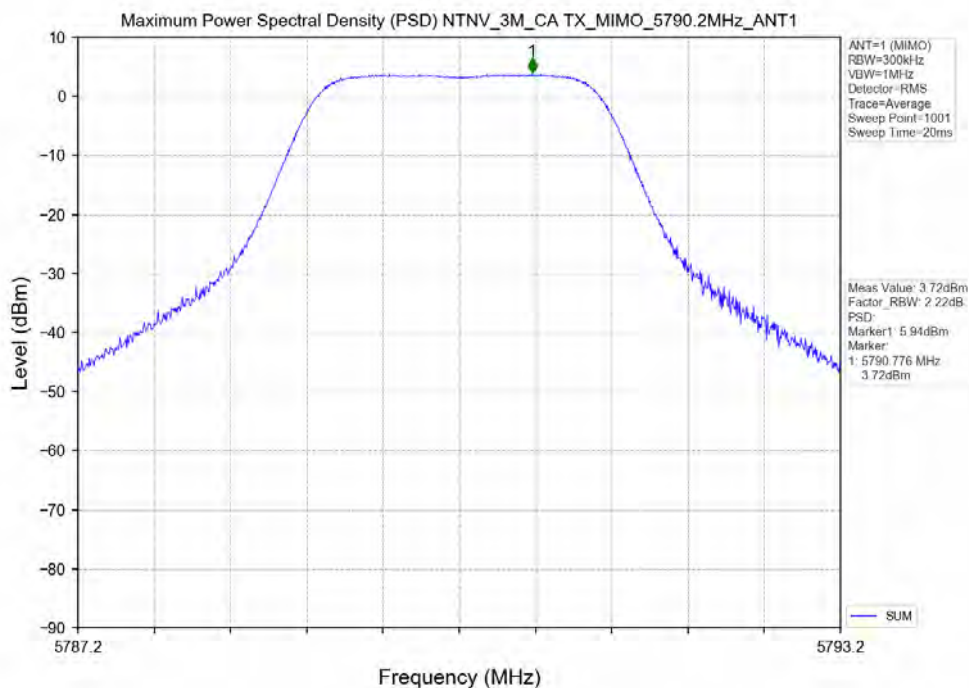


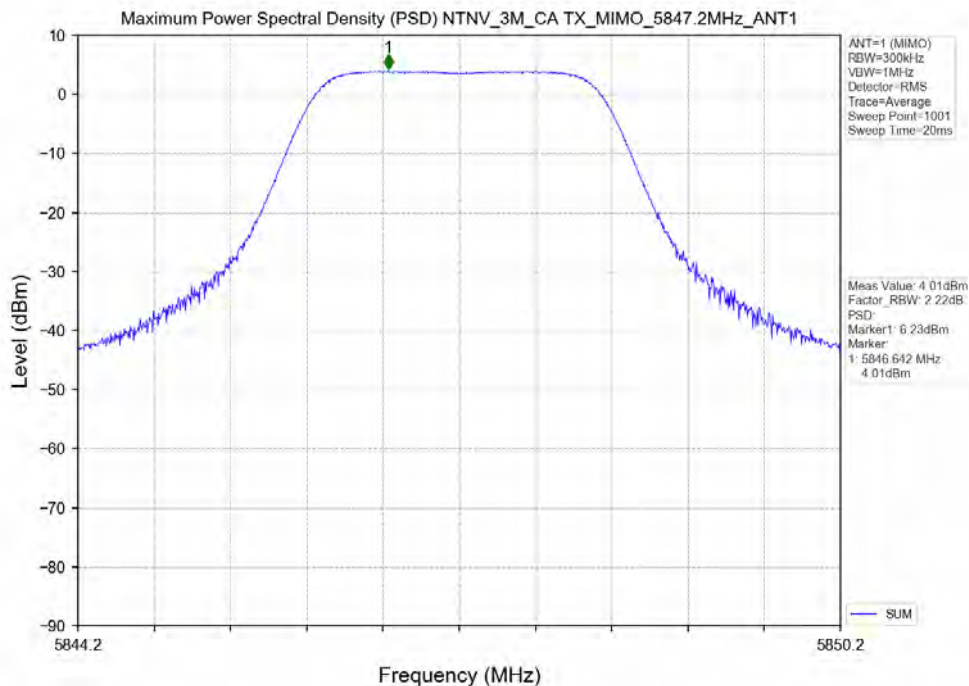
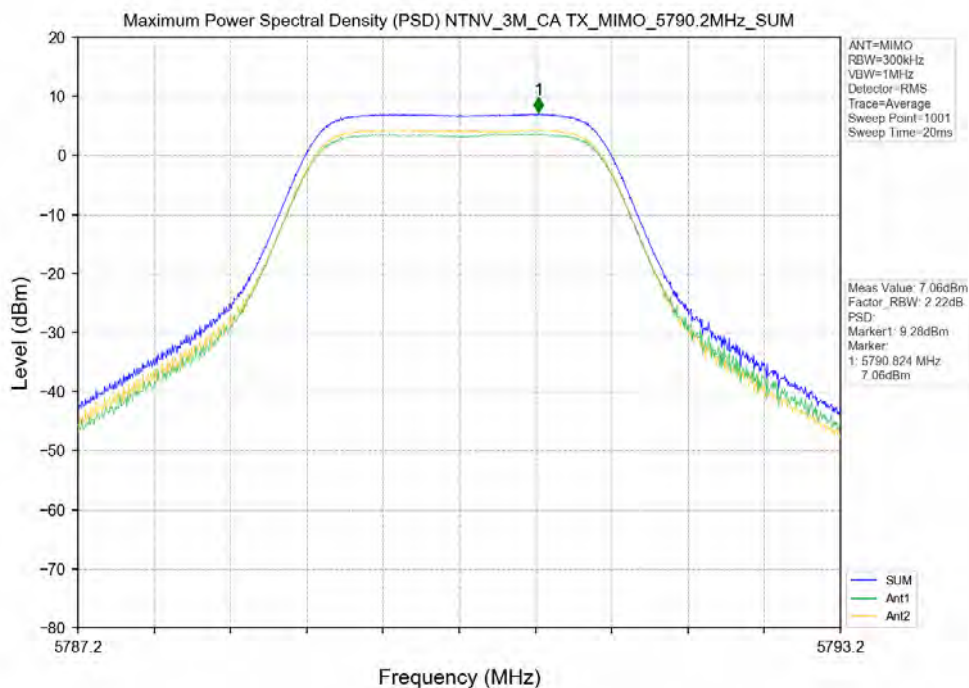


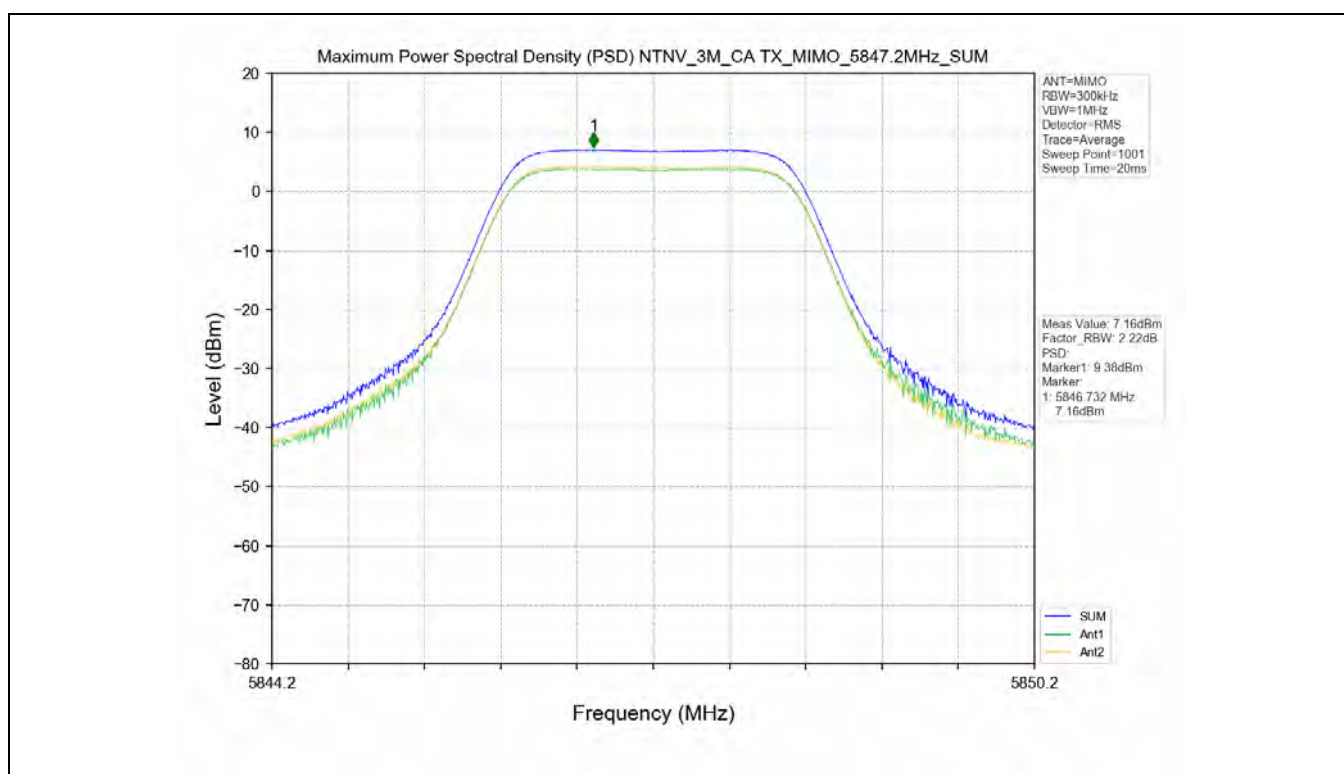
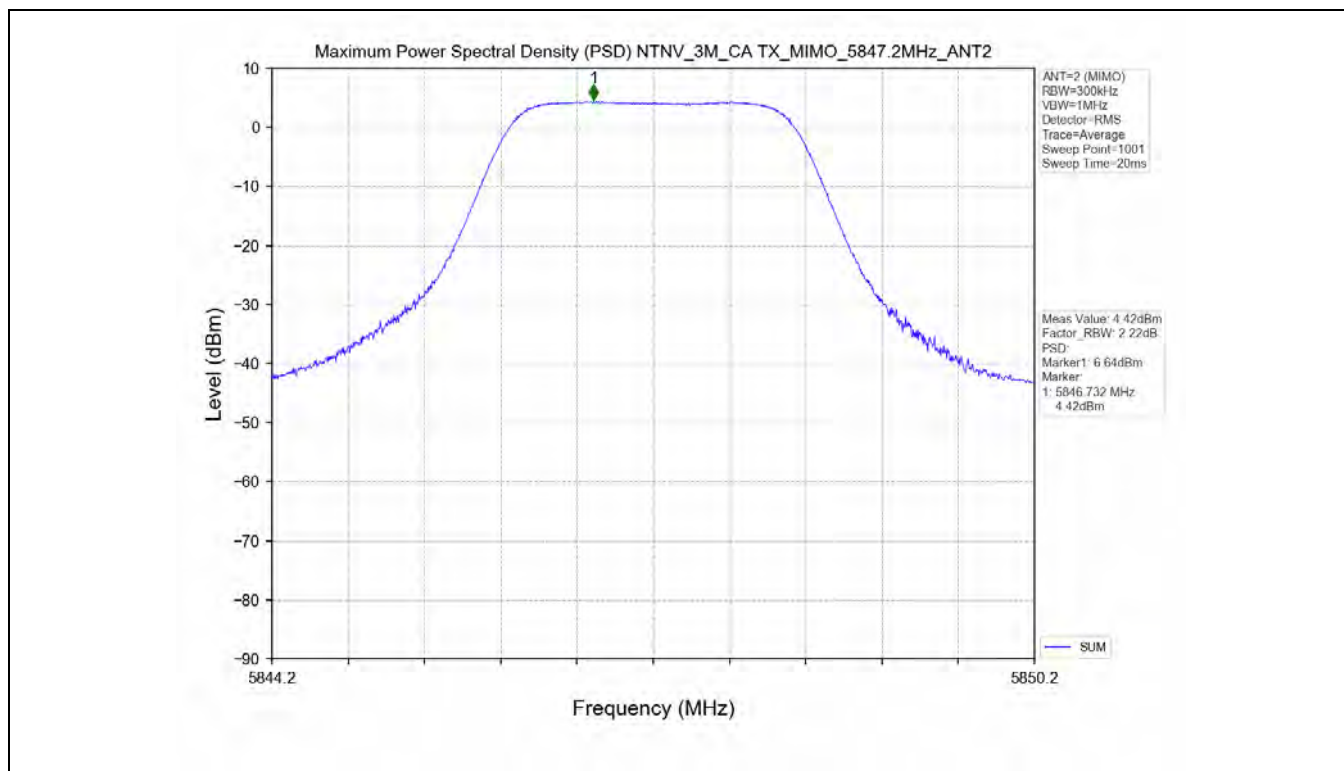












5. Frequency Stability



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5.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTNV	1.4M TX	5728.5	MIMO	-2.44	<=20	PASS
		5786.5	MIMO	-2.07	<=20	PASS
		5846.5	MIMO	-2.74	<=20	PASS
	1.4M_CA TX	5730.12	MIMO	-1.75	<=20	PASS
		5786.12	MIMO	-2.07	<=20	PASS
		5848.12	MIMO	-2.39	<=20	PASS
	3M TX	5730.5	MIMO	-0.52	<=20	PASS
		5787.5	MIMO	-1.04	<=20	PASS
		5844.5	MIMO	-0.51	<=20	PASS
	3M_CA TX	5733.2	MIMO	-0.52	<=20	PASS
		5790.2	MIMO	-0.52	<=20	PASS
		5847.2	MIMO	-0.51	<=20	PASS



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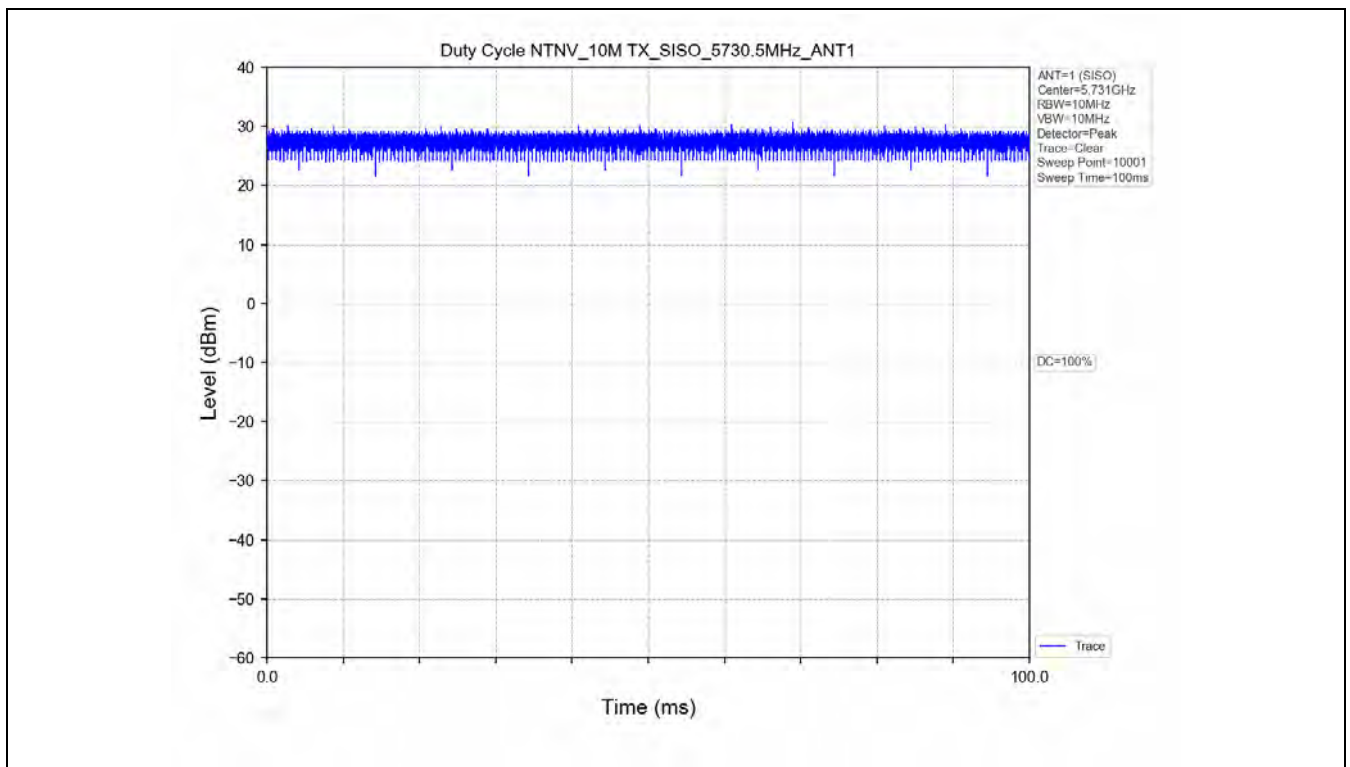
10M,20M,40M-SISO

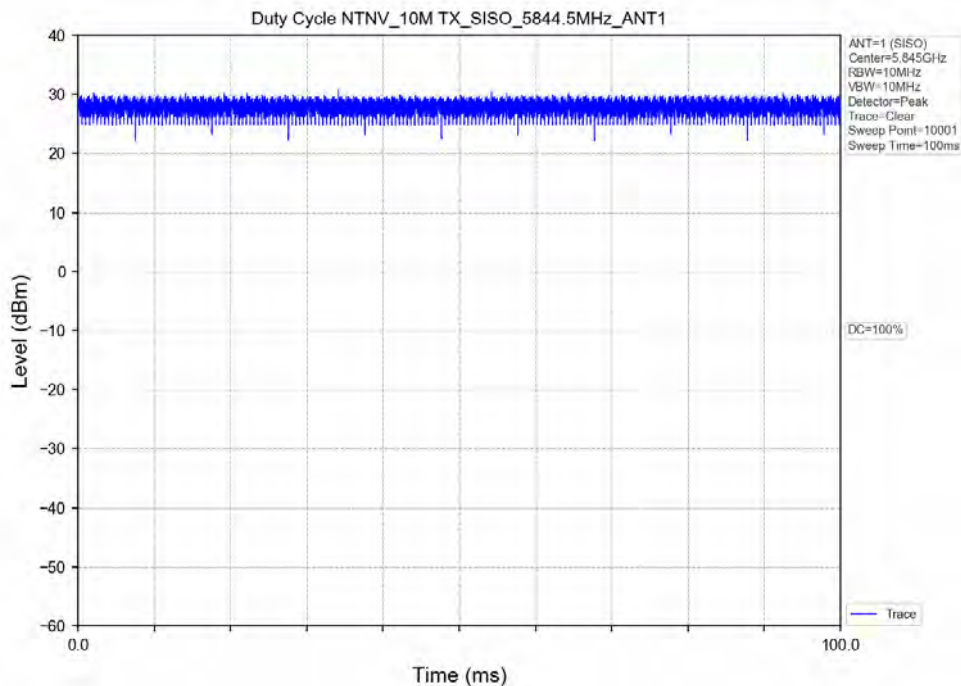
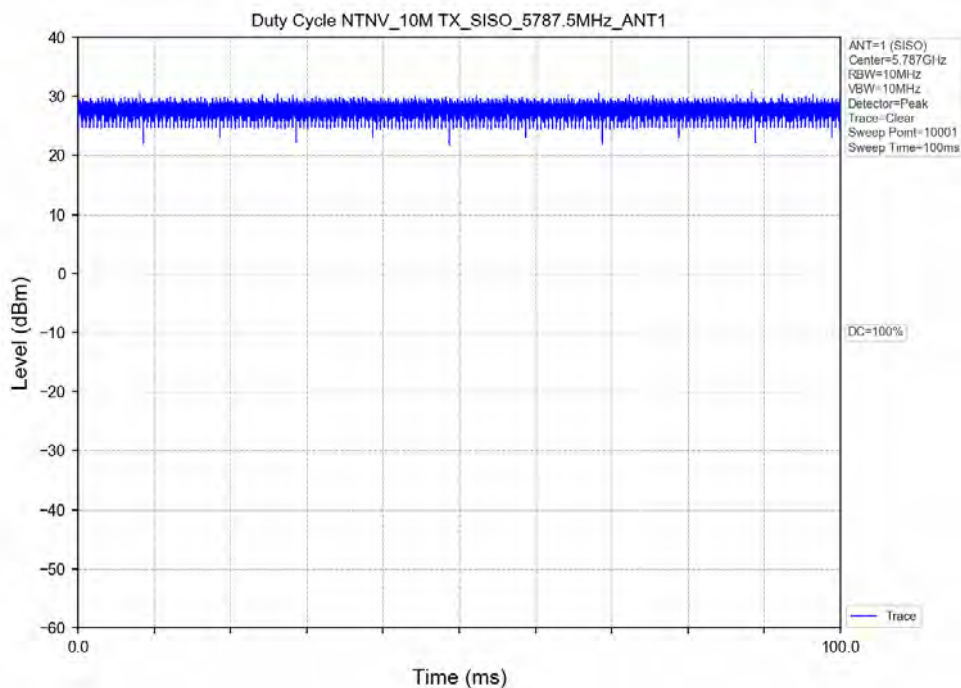
1. Duty Cycle

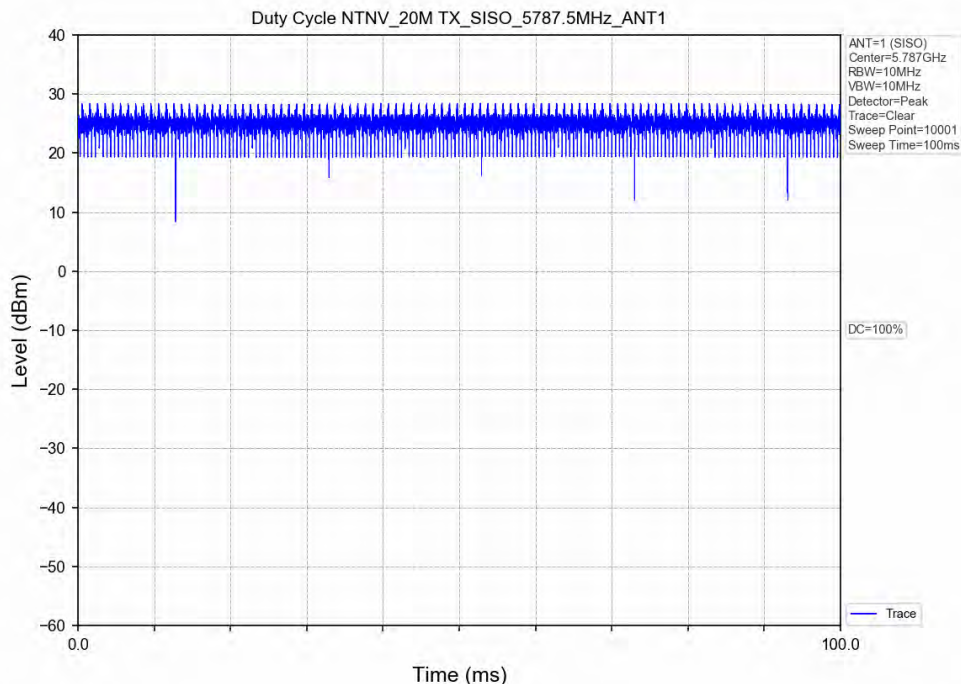
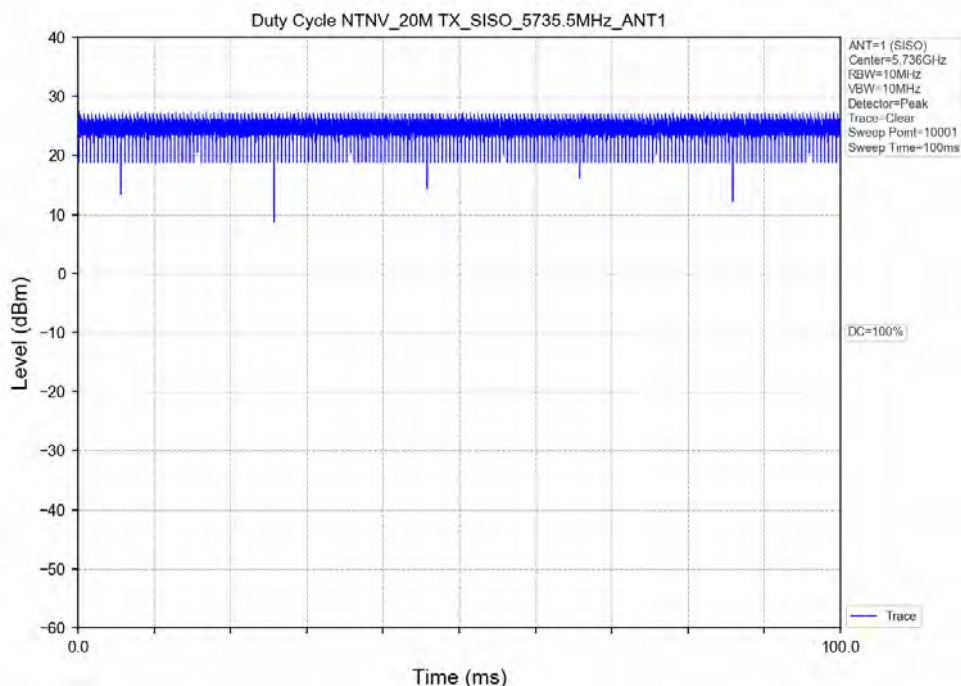
1.1 Test Result

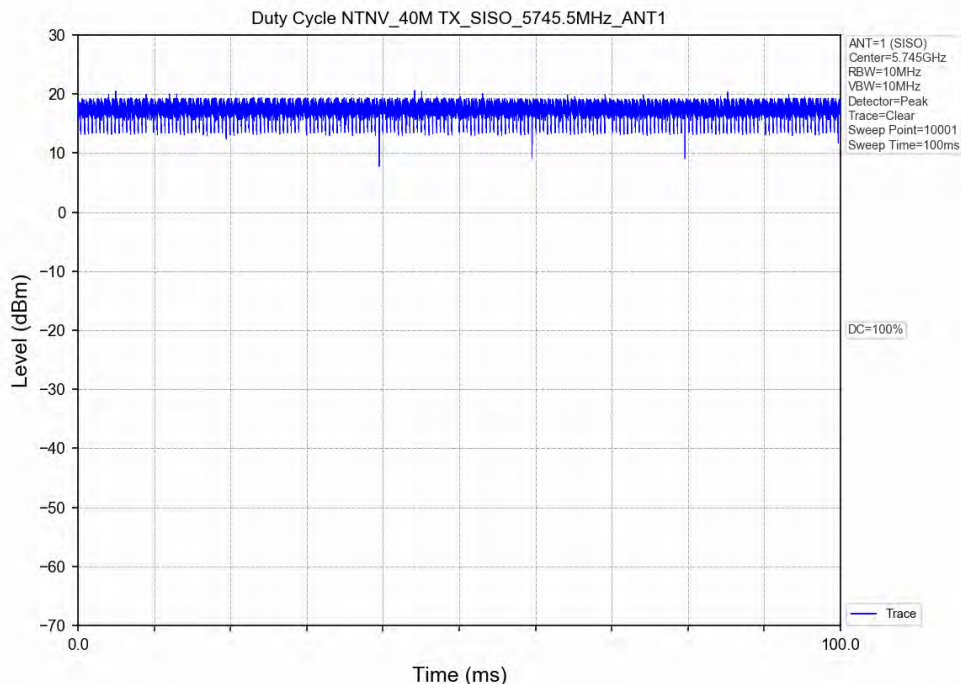
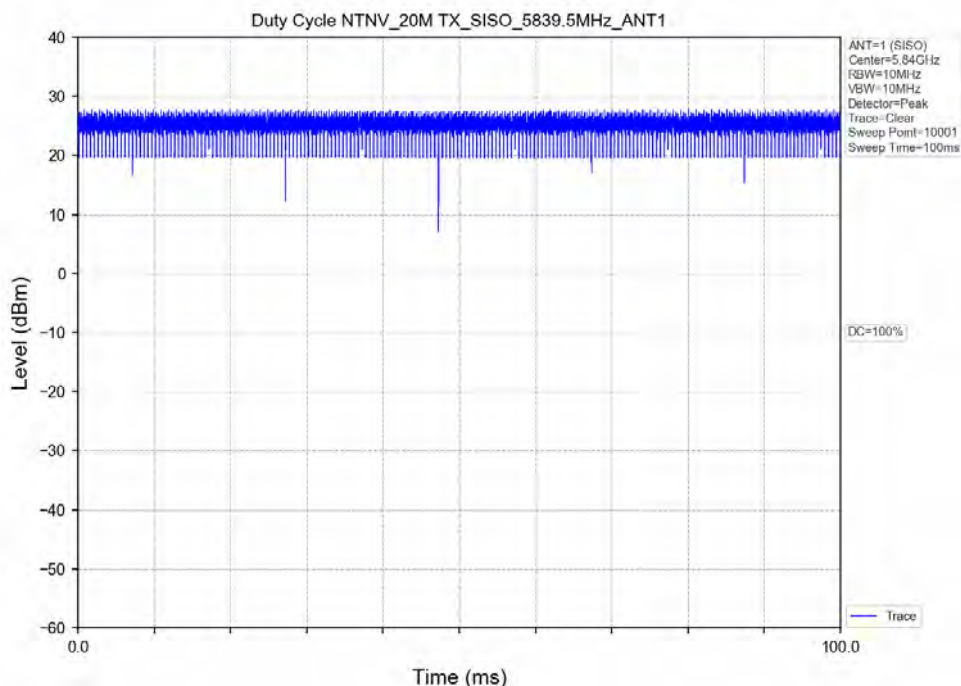
Test Mode	Channel Frequency (MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
10M TX-10M	5730.5	SISO	1	100.000	100.000	100.00	0.00
	5787.5	SISO	1	100.000	100.000	100.00	0.00
	5844.5	SISO	1	100.000	100.000	100.00	0.00
20M TX-20M	5735.5	SISO	1	100.000	100.000	100.00	0.00
	5787.5	SISO	1	100.000	100.000	100.00	0.00
	5839.5	SISO	1	100.000	100.000	100.00	0.00
40M TX-40M	5745.5	SISO	1	100.000	100.000	100.00	0.00
	5787.5	SISO	1	100.000	100.000	100.00	0.00
	5829.5	SISO	1	100.000	100.000	100.00	0.00

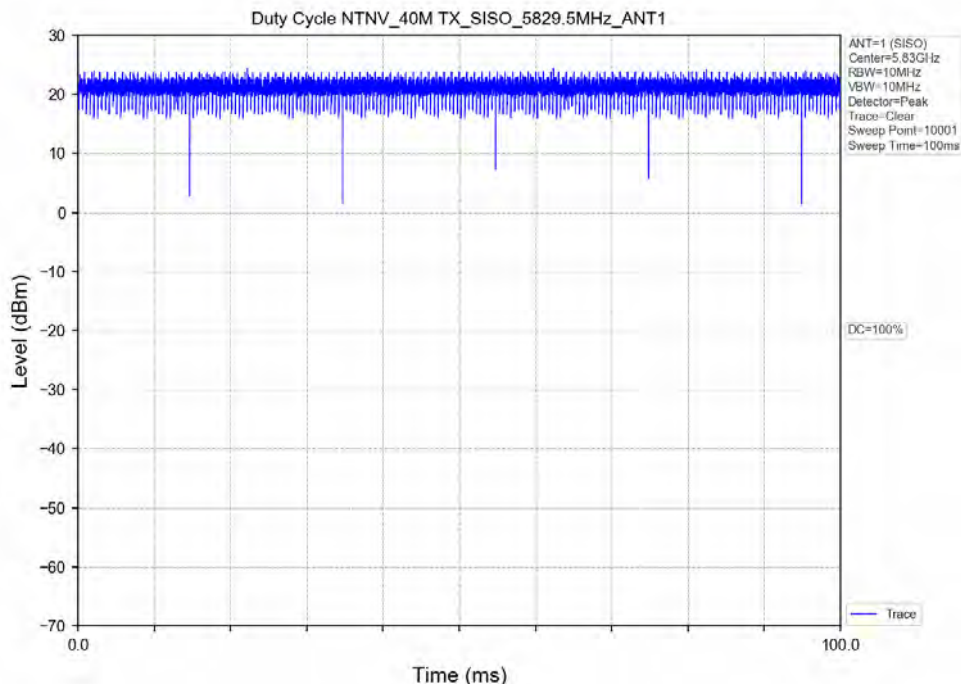
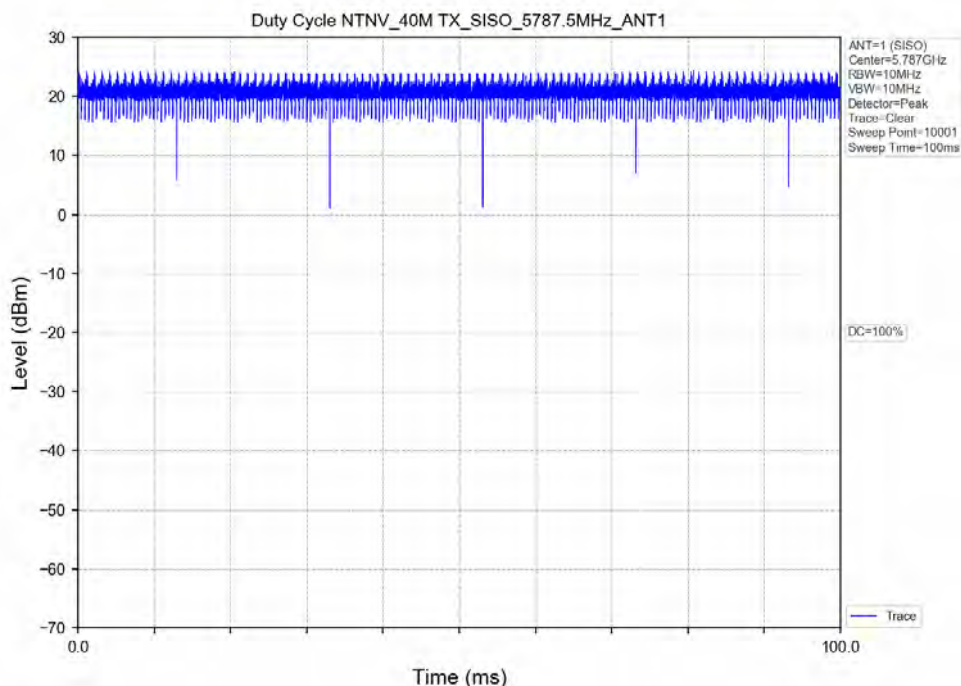
1.2 Test Graph













2. Bandwidth

2.1 Test Result

Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Emission Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
10M TX-10M	5730.5	SISO	1	8.997	≥0.5	PASS
	5787.5	SISO	1	9.002	≥0.5	PASS
	5844.5	SISO	1	9.021	≥0.5	PASS
20M TX-20M	5735.5	SISO	1	17.969	≥0.5	PASS
	5787.5	SISO	1	17.978	≥0.5	PASS
	5839.5	SISO	1	17.986	≥0.5	PASS
40M TX-40M	5745.5	SISO	1	36.012	≥0.5	PASS
	5787.5	SISO	1	36.108	≥0.5	PASS
	5829.5	SISO	1	35.954	≥0.5	PASS

Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
10M TX-10M	5730.5	SISO	1	9.103	Only for Report Use
	5787.5	SISO	1	9.091	Only for Report Use
	5844.5	SISO	1	9.167	Only for Report Use
20M TX-20M	5735.5	SISO	1	18.572	Only for Report Use
	5787.5	SISO	1	18.539	Only for Report Use
	5839.5	SISO	1	18.776	Only for Report Use
40M TX-40M	5745.5	SISO	1	37.115	Only for Report Use
	5787.5	SISO	1	36.987	Only for Report Use
	5829.5	SISO	1	37.224	Only for Report Use



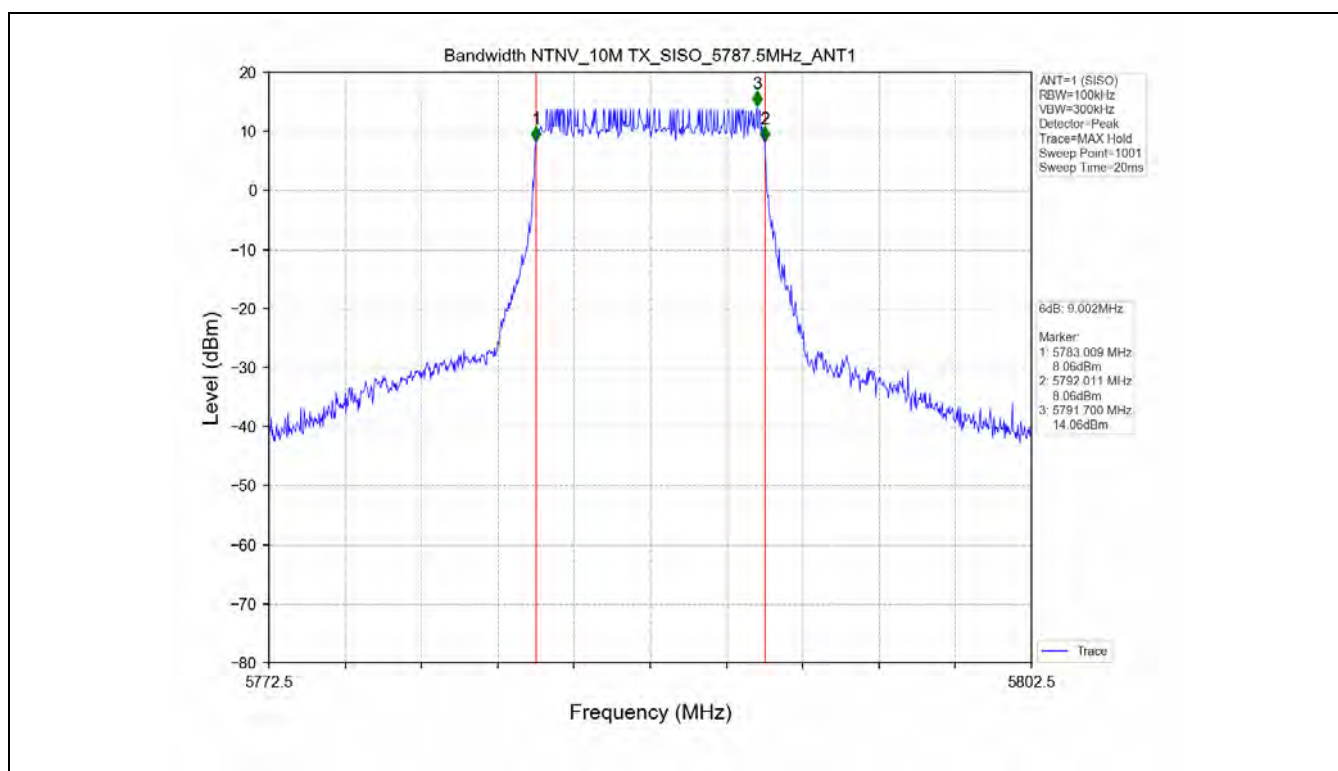
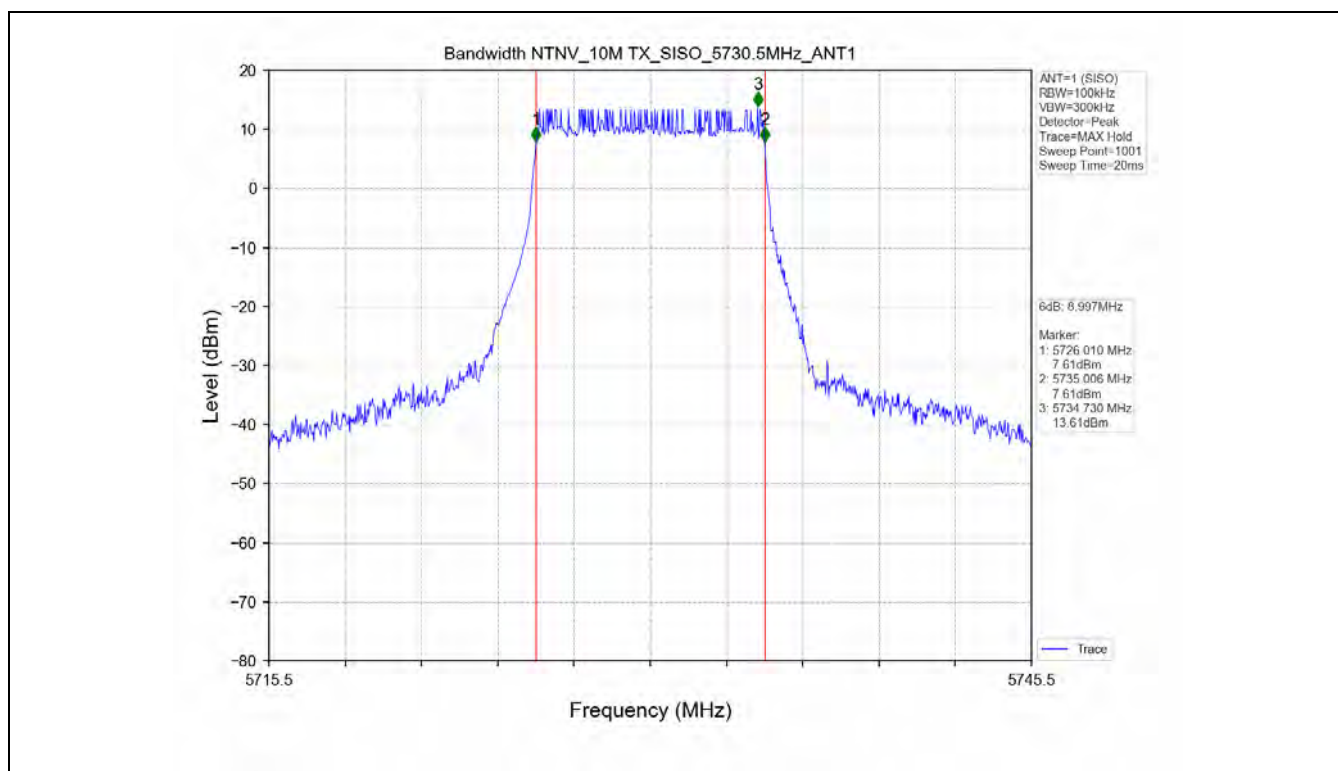
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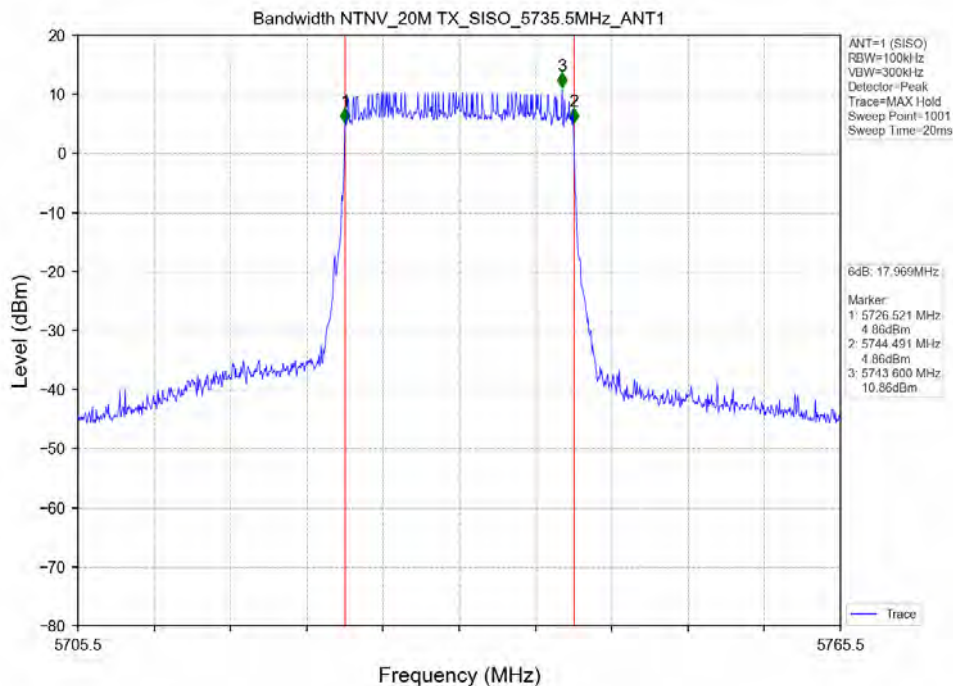
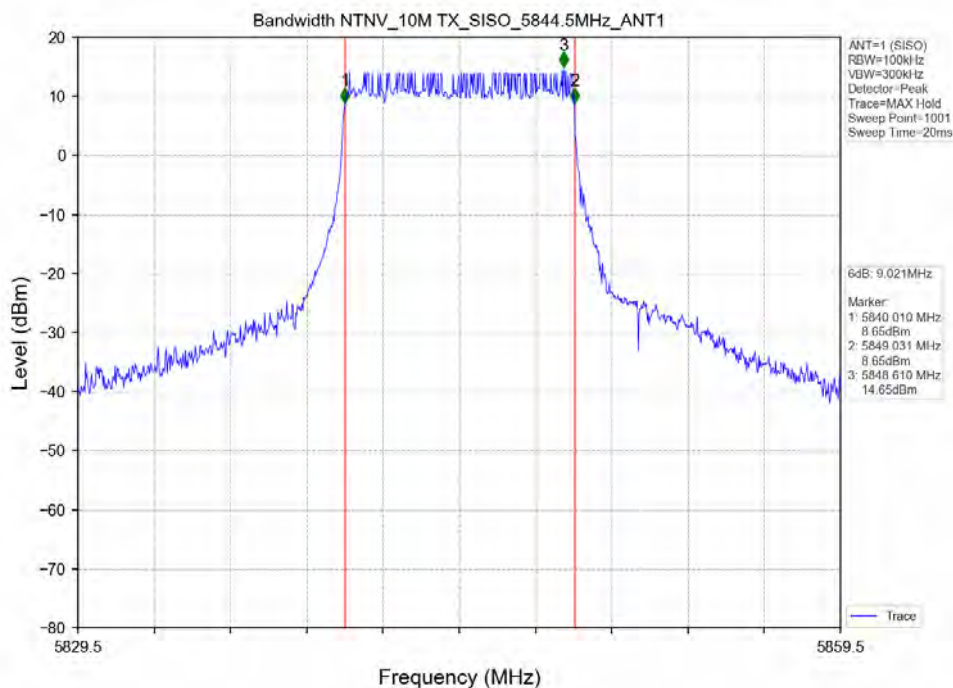
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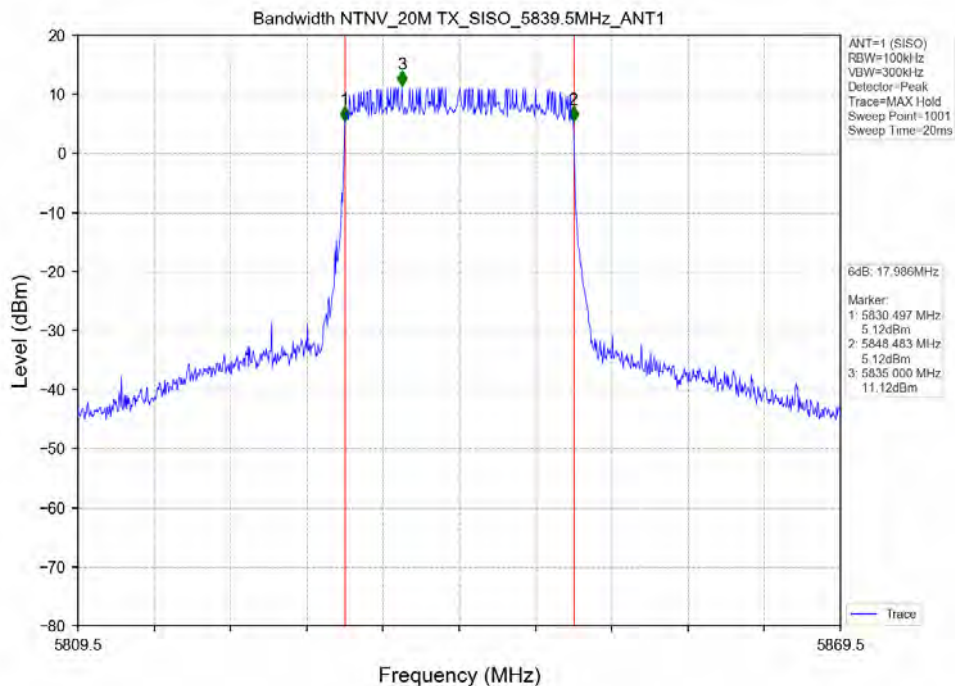
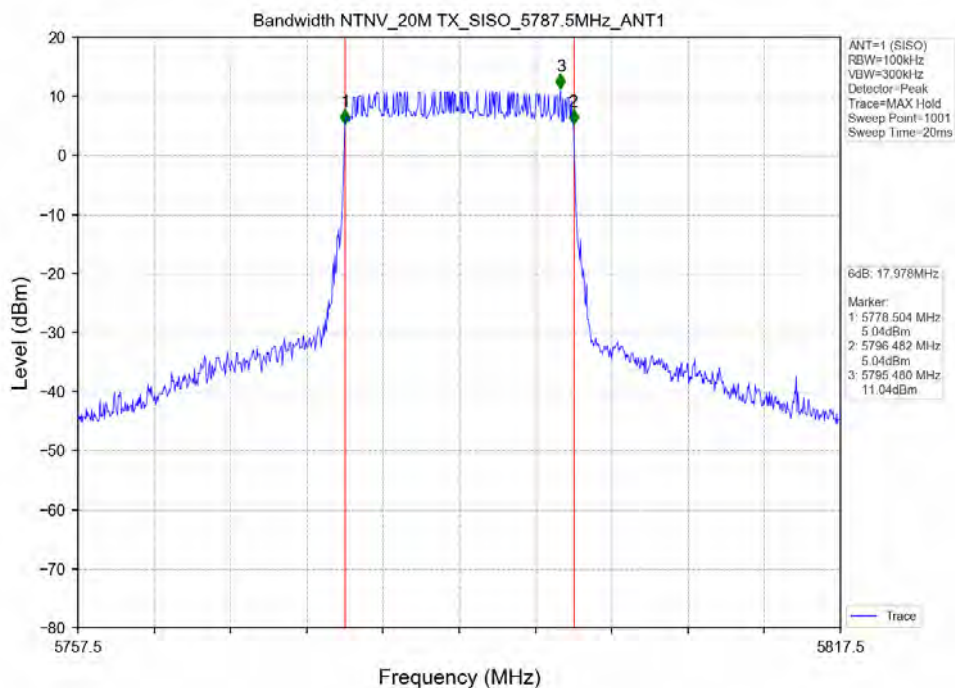
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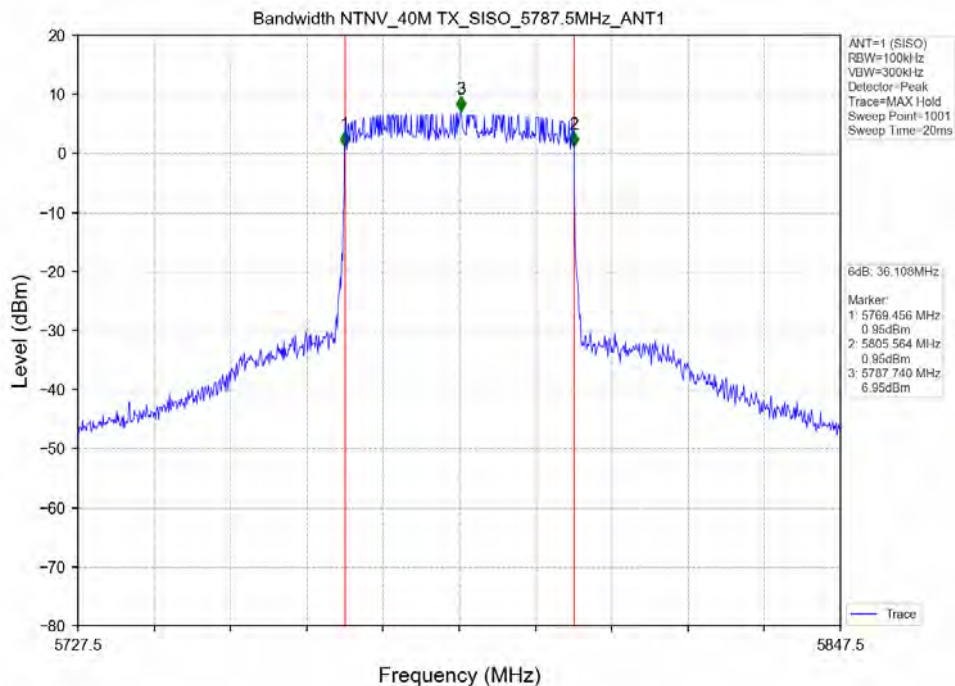
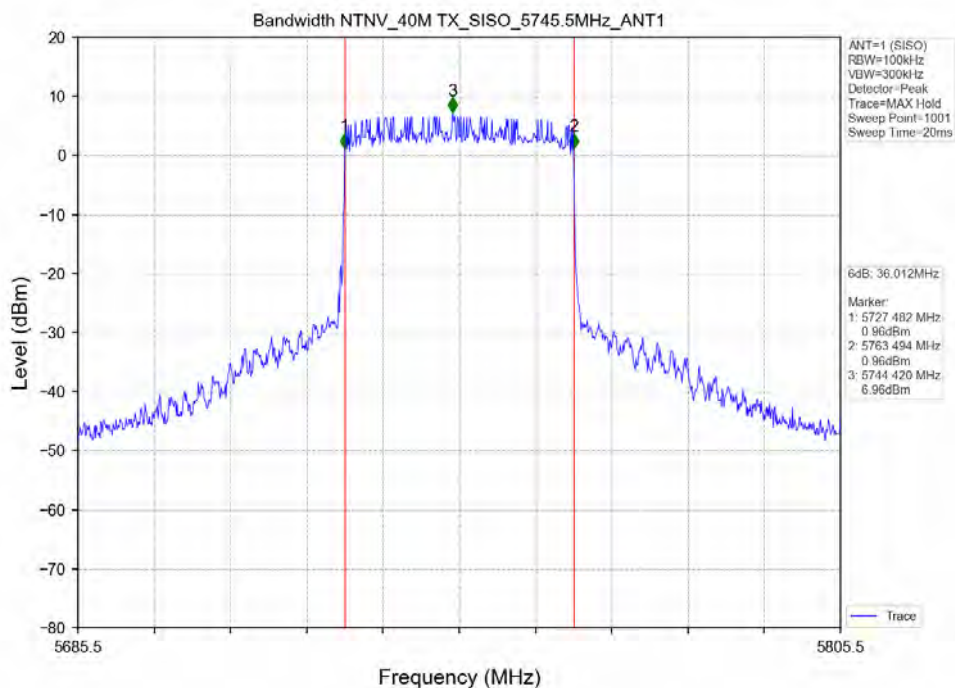
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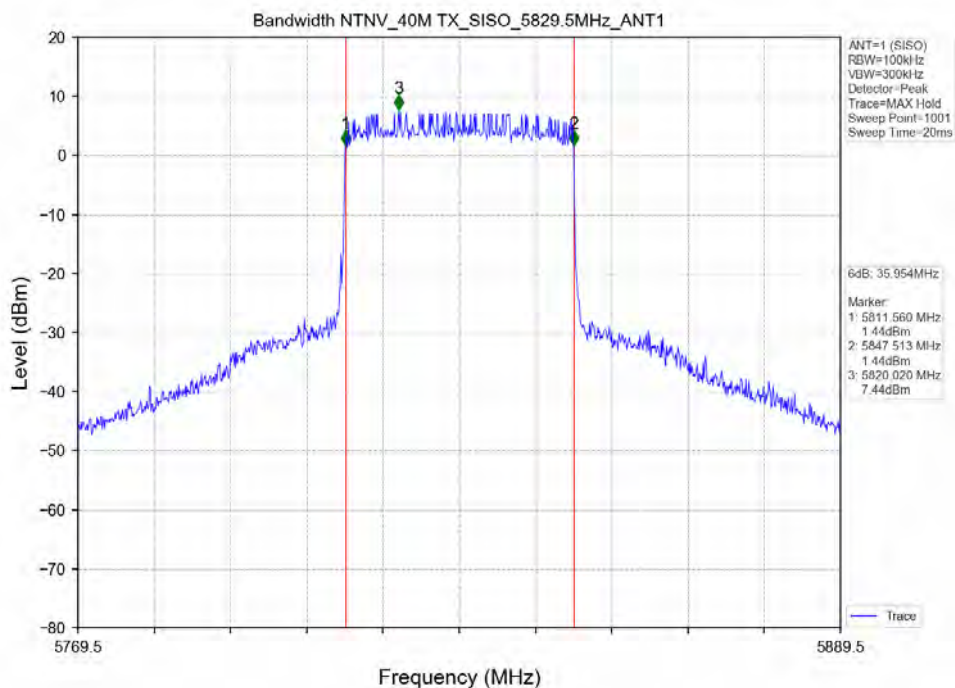
2.2 Test Graph - Emission Bandwidth



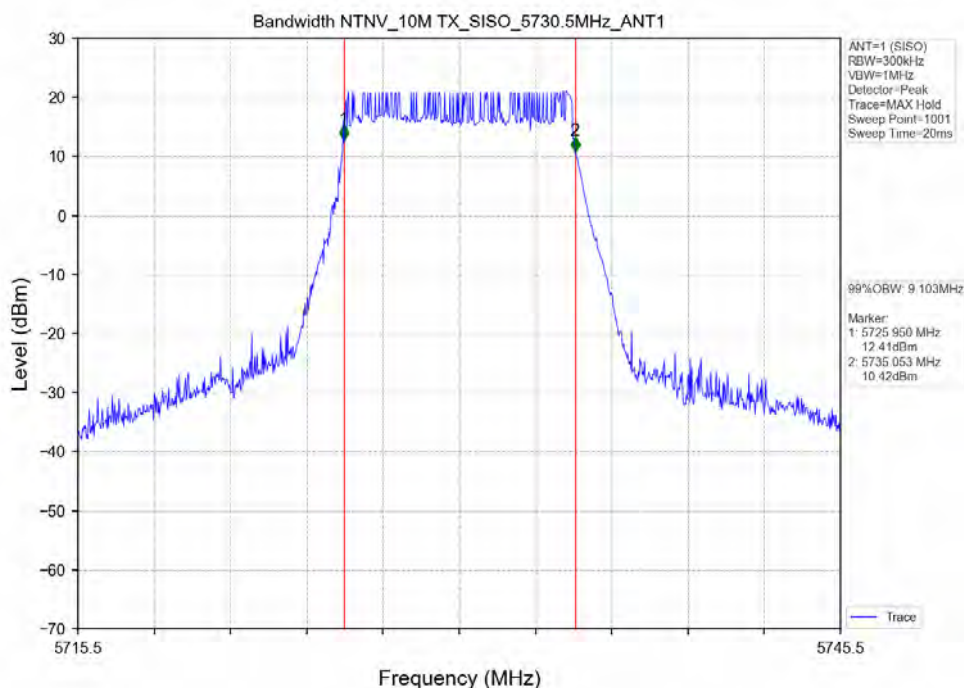


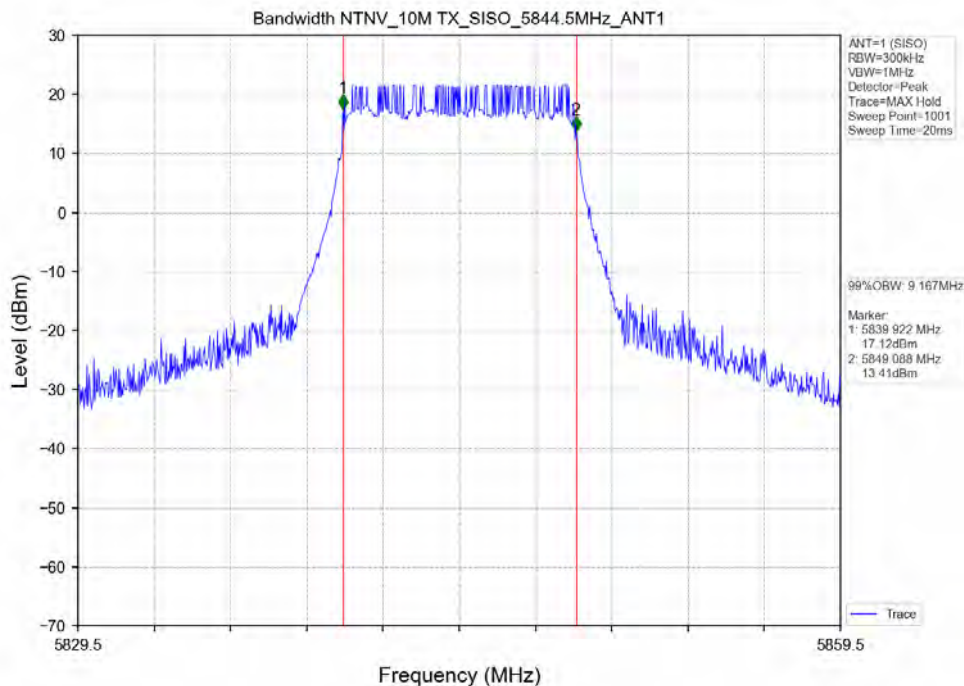
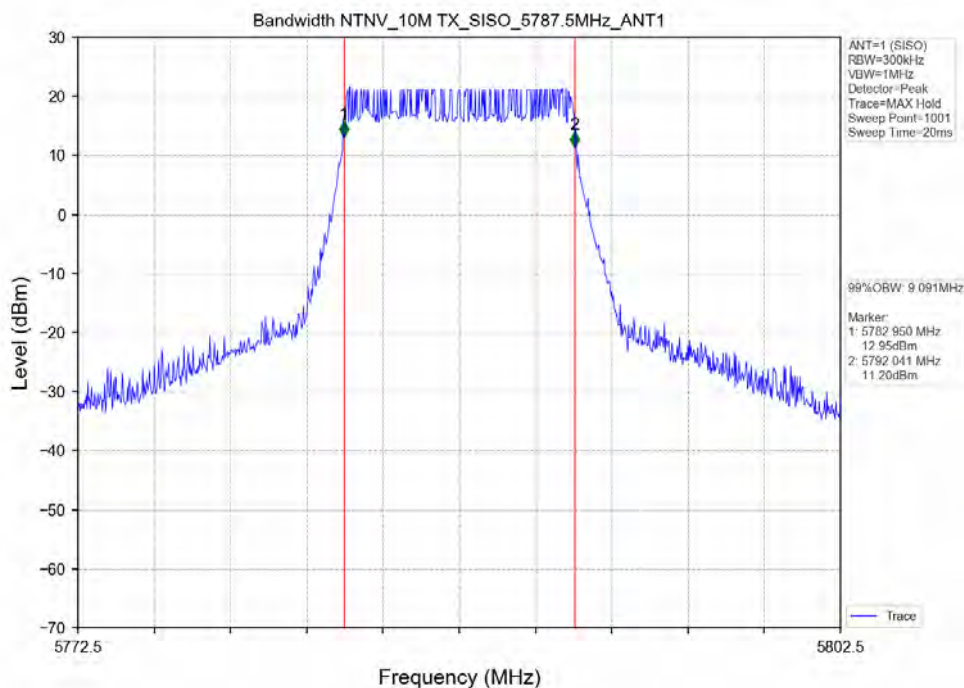


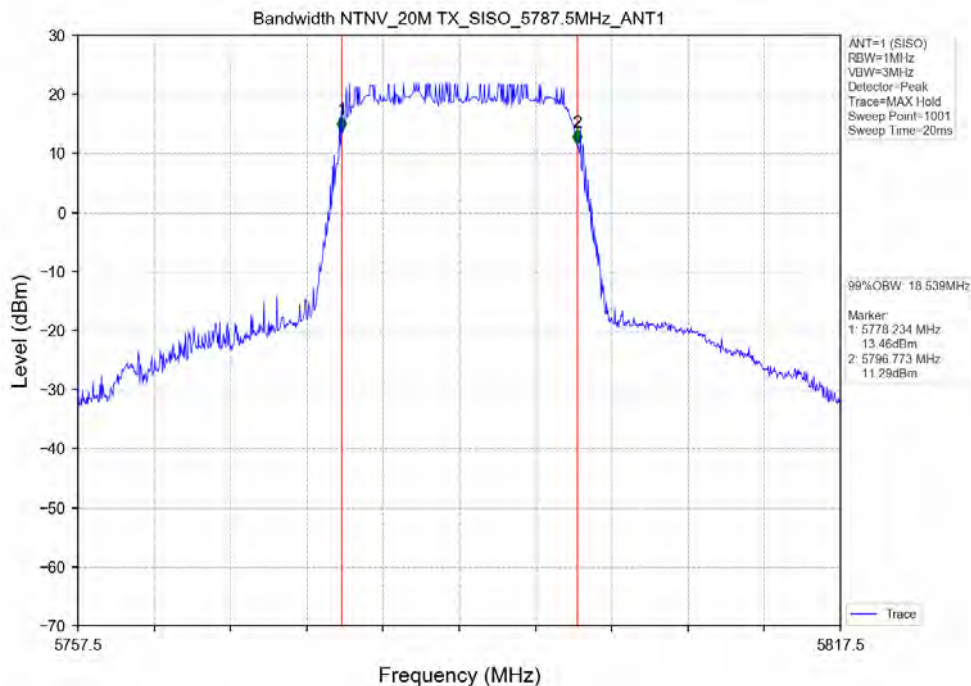
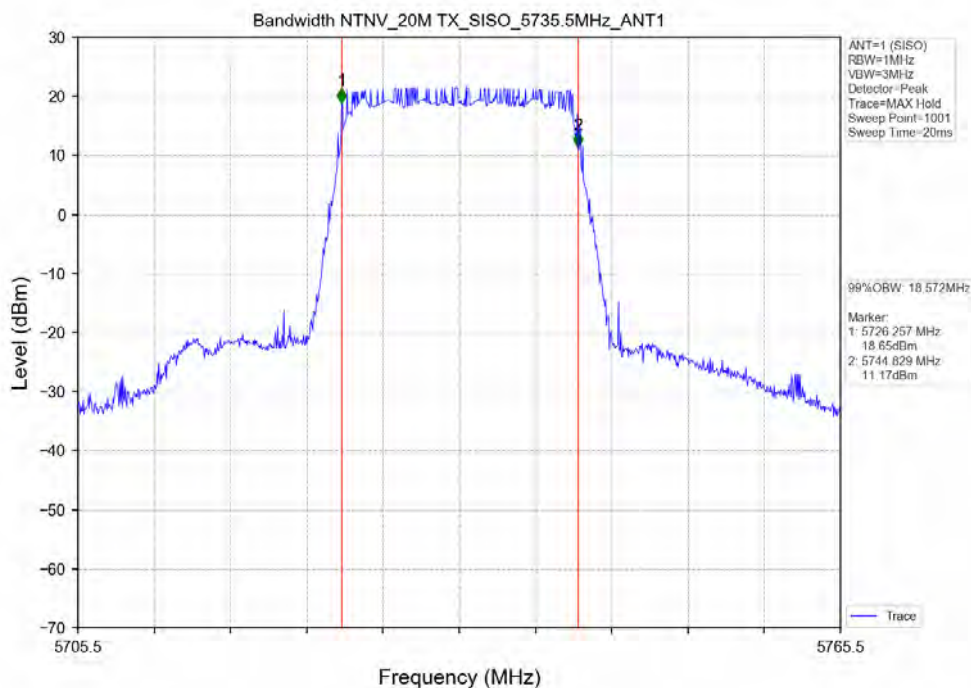


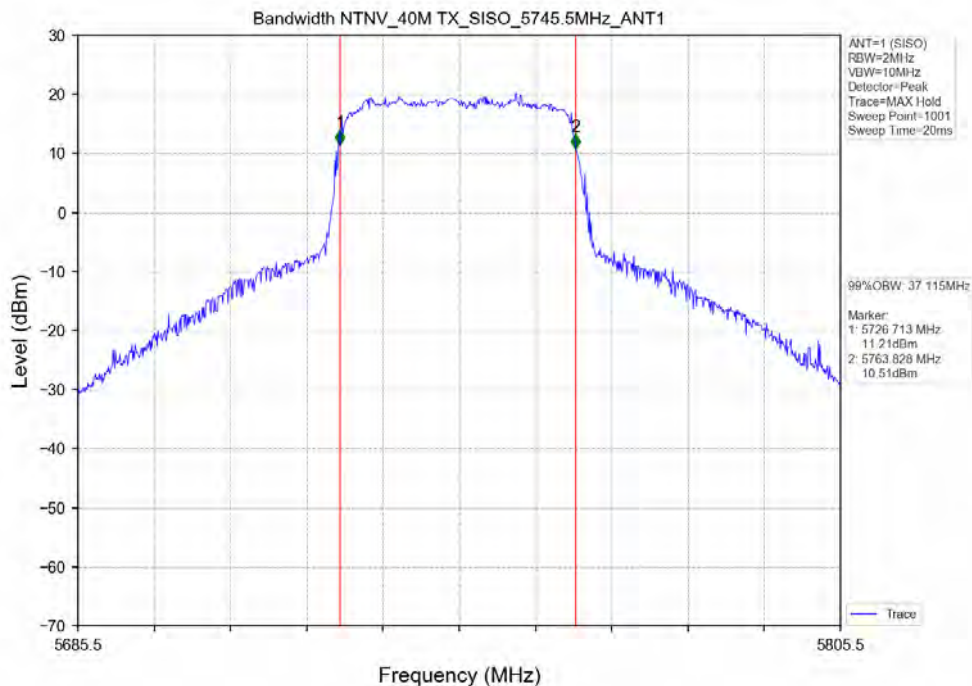
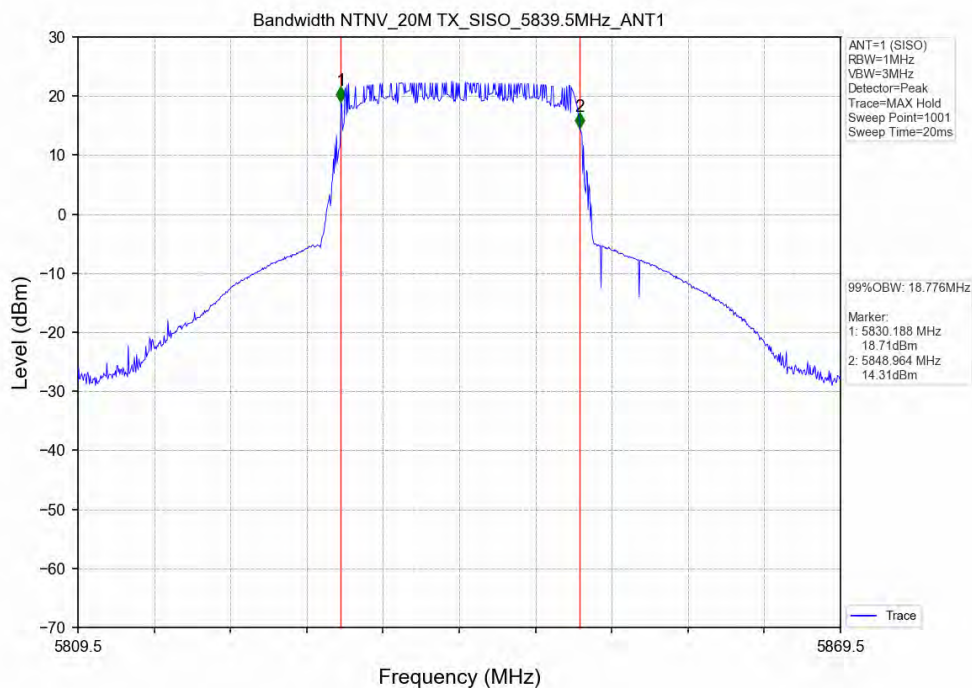


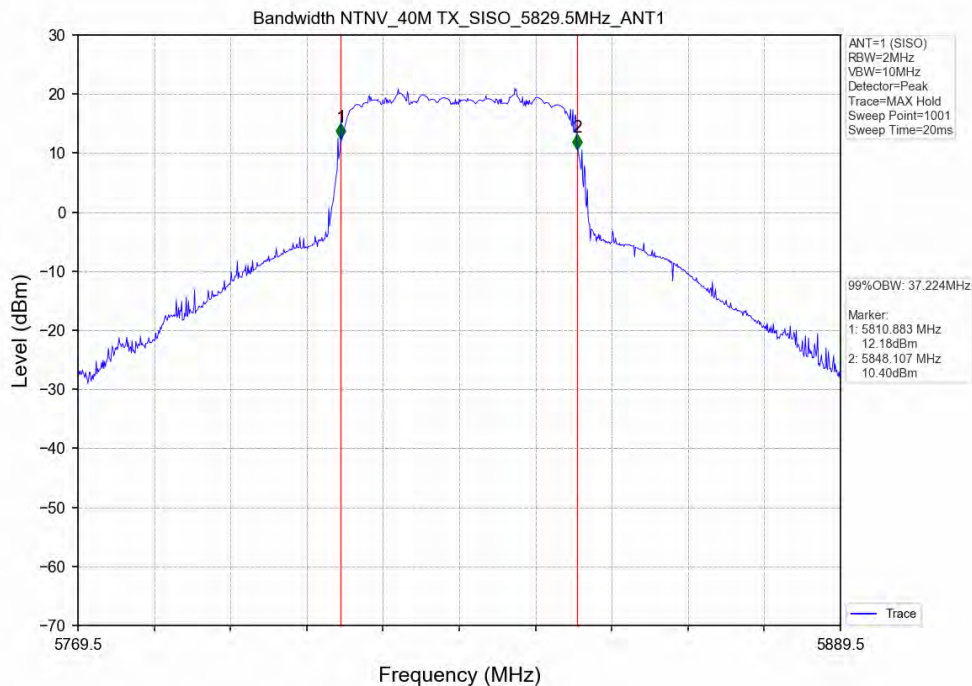
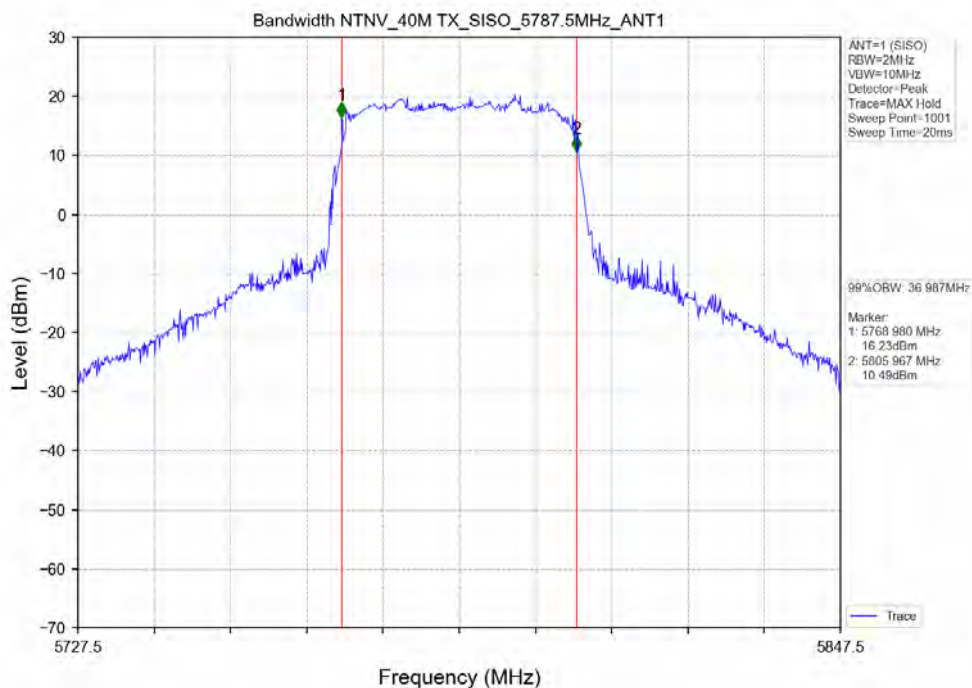
2.3 Test Graph - 99% Occupied Bandwidth













3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Output Power (dBm)				Limit (dBm)	Verdict
			Ant 4	Ant 3	Ant 2	Ant 1		
10M TX-10M	5730.5	SISO	24.15	23.28	21.47	21.00	≤30.00	PASS
	5787.5	SISO	24.10	23.46	22.11	21.36	≤30.00	PASS
	5844.5	SISO	24.47	23.73	22.09	21.69	≤30.00	PASS
20M TX-20M	5735.5	SISO	23.97	23.23	21.04	20.90	≤30.00	PASS
	5787.5	SISO	24.05	23.47	21.72	21.32	≤30.00	PASS
	5839.5	SISO	24.47	23.78	21.73	21.66	≤30.00	PASS
40M TX-40M	5745.5	SISO	22.75	22.42	20.48	20.11	≤30.00	PASS
	5787.5	SISO	22.97	22.45	20.73	20.17	≤30.00	PASS
	5829.5	SISO	23.48	22.86	20.89	20.71	≤30.00	PASS

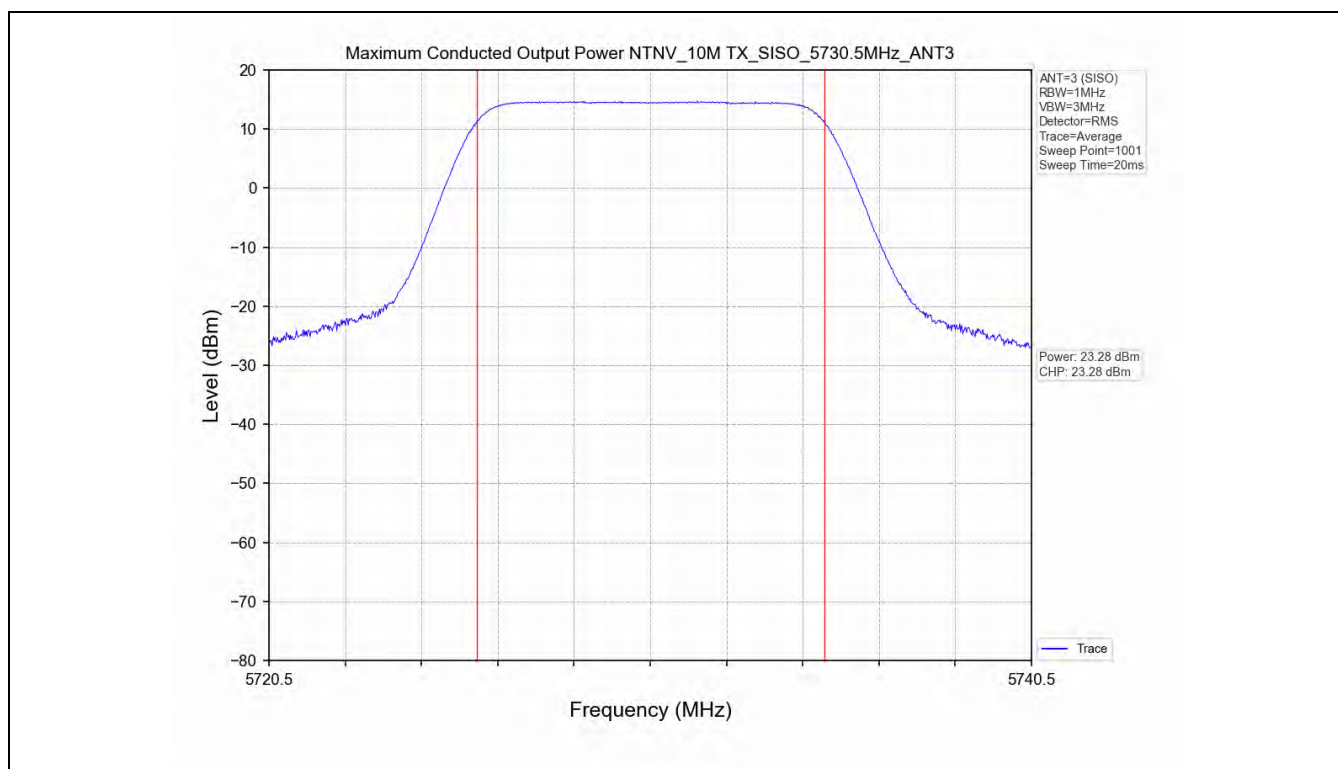
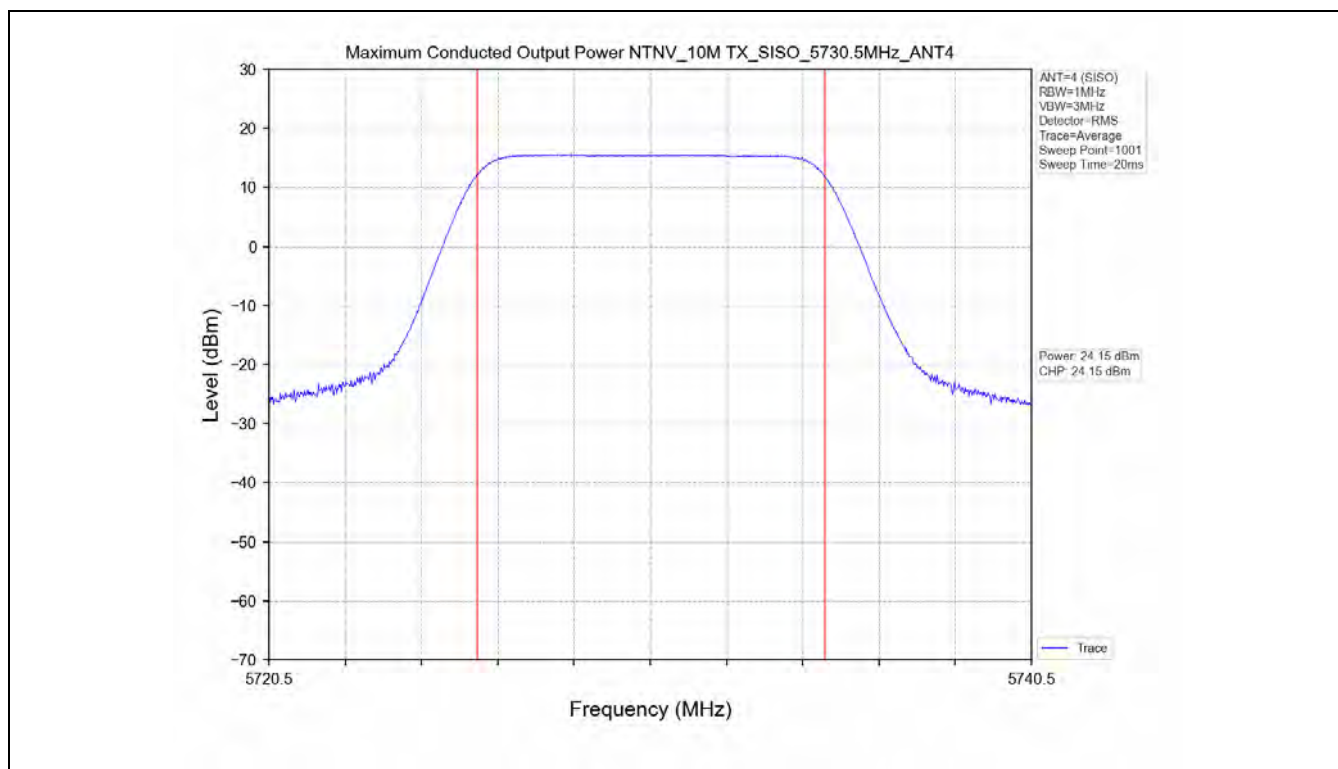


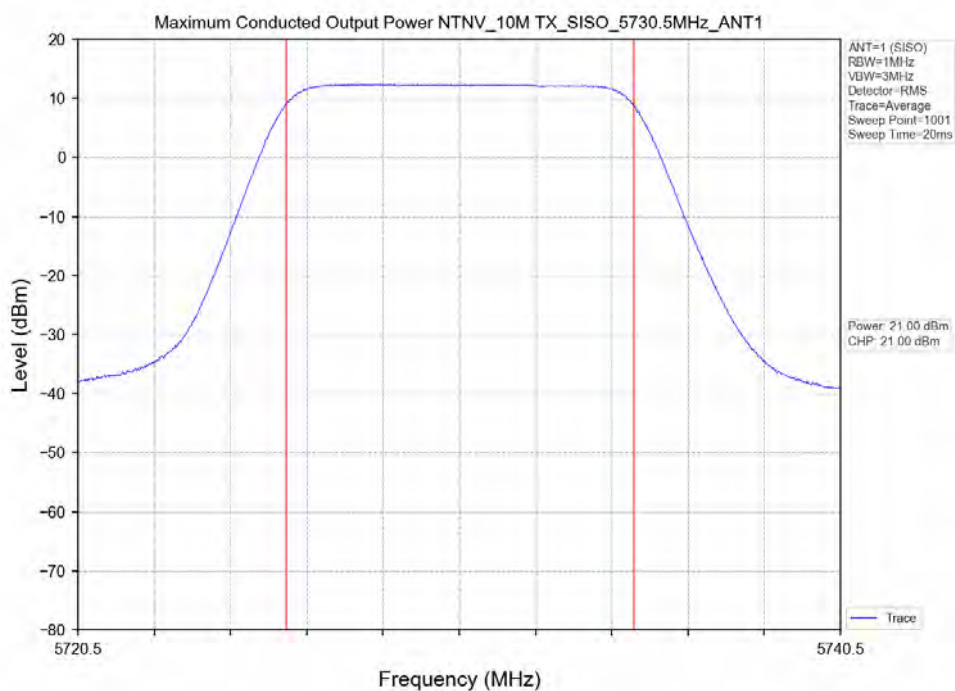
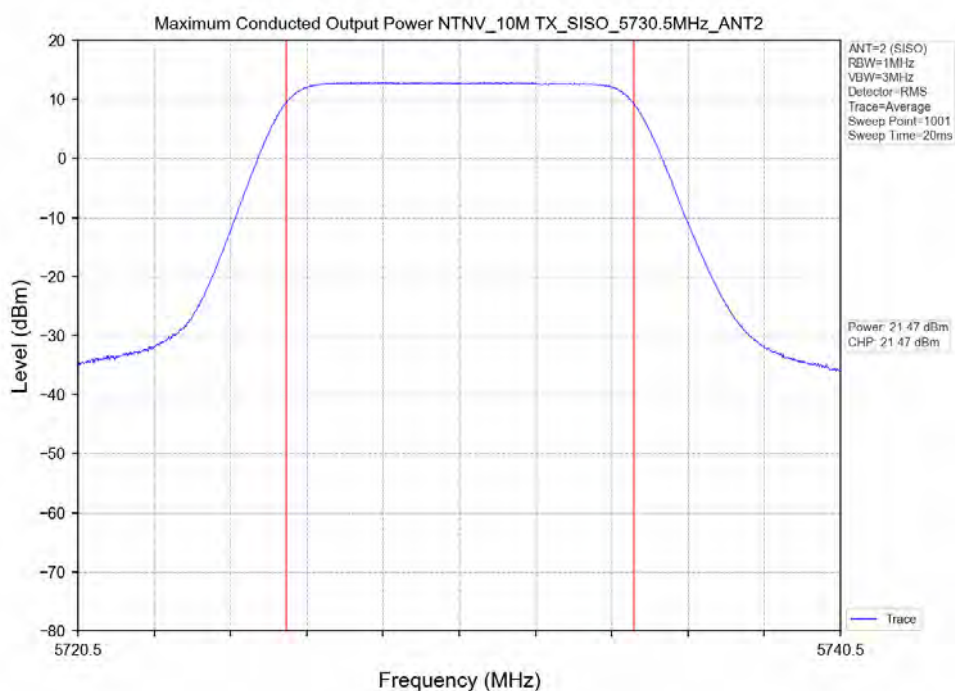
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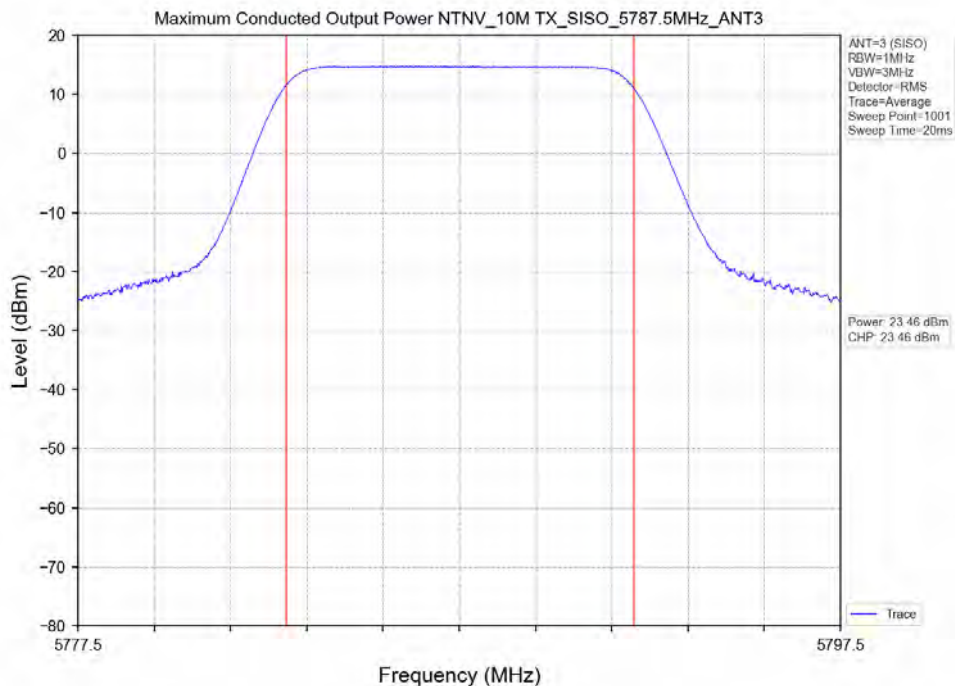
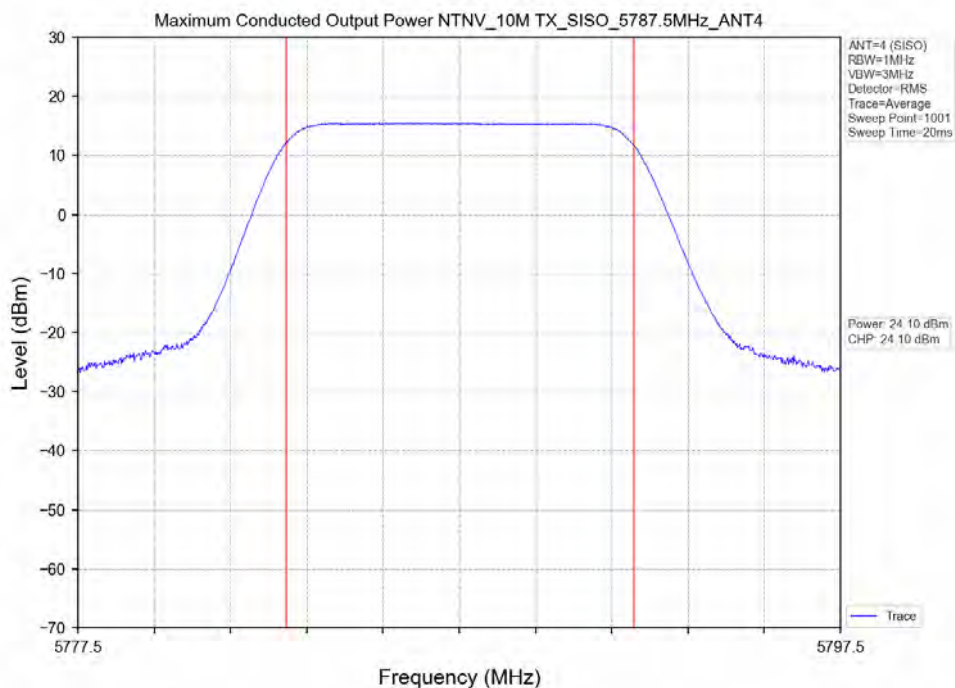
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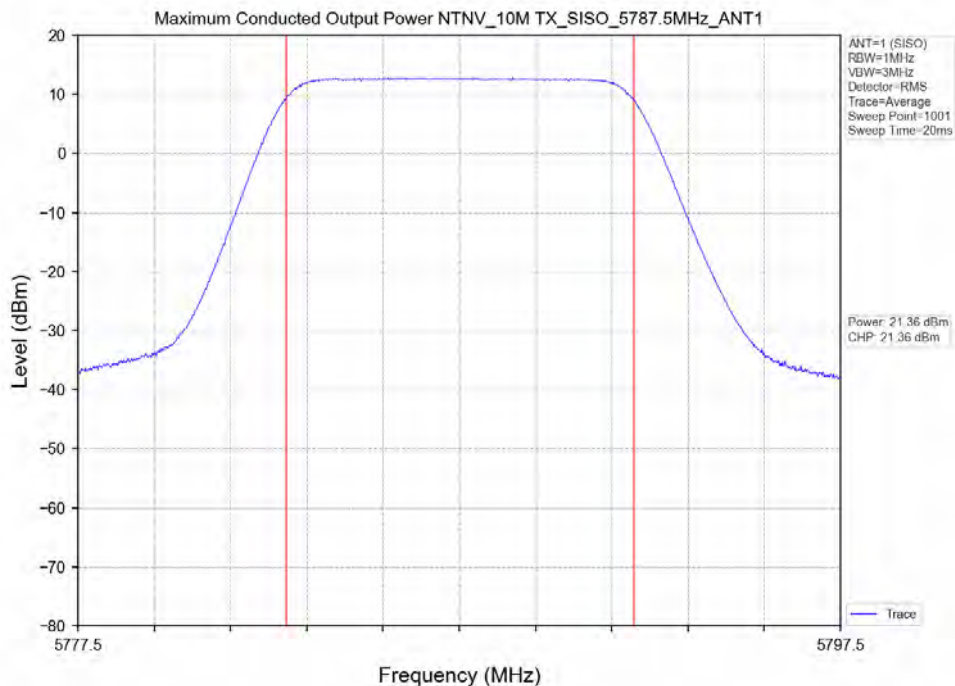
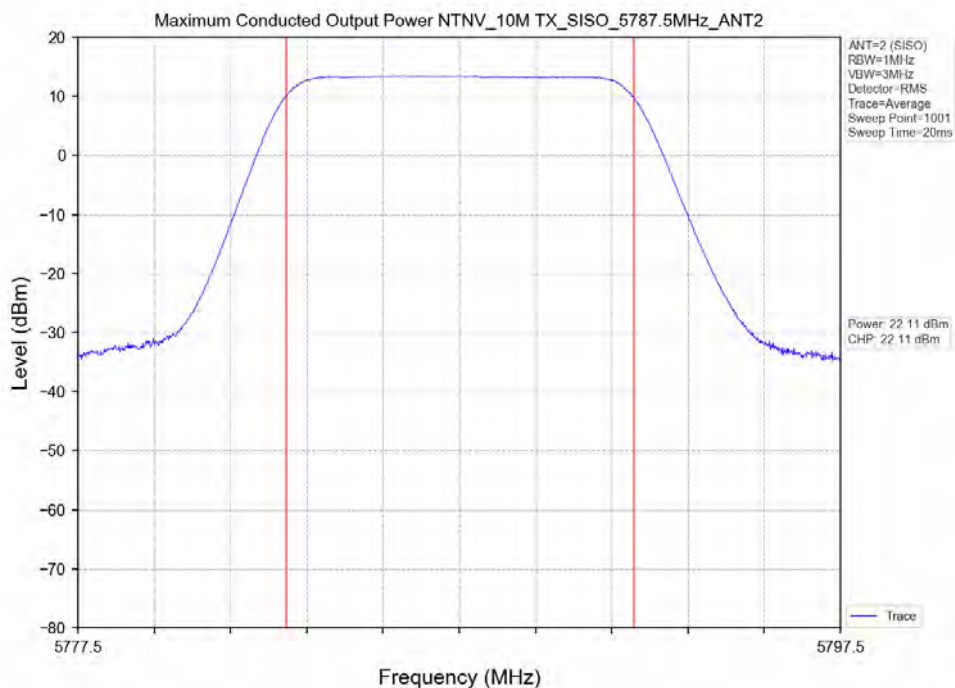
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中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

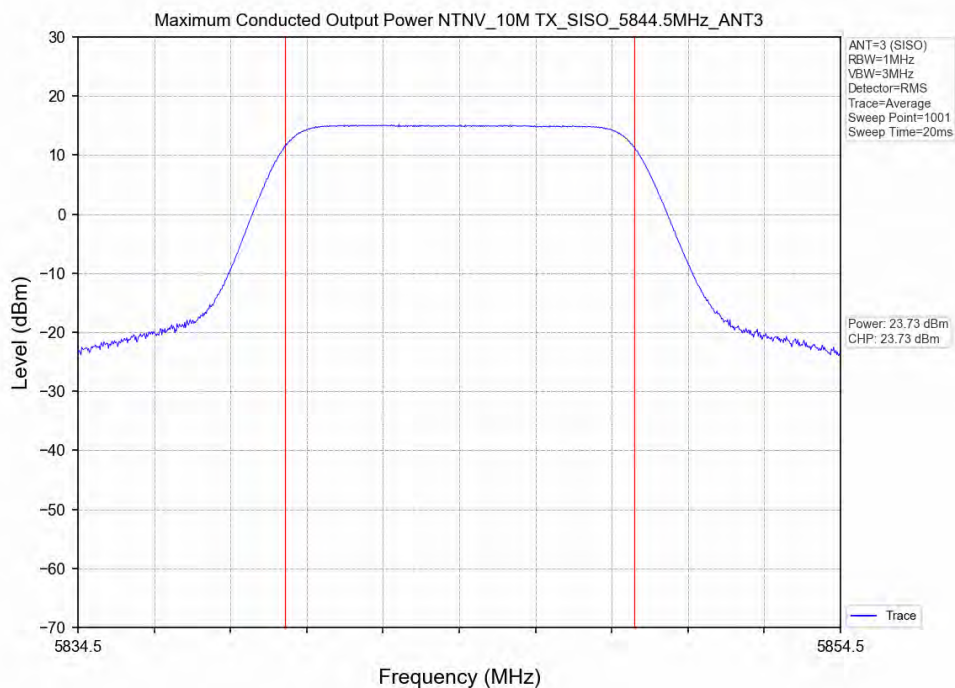
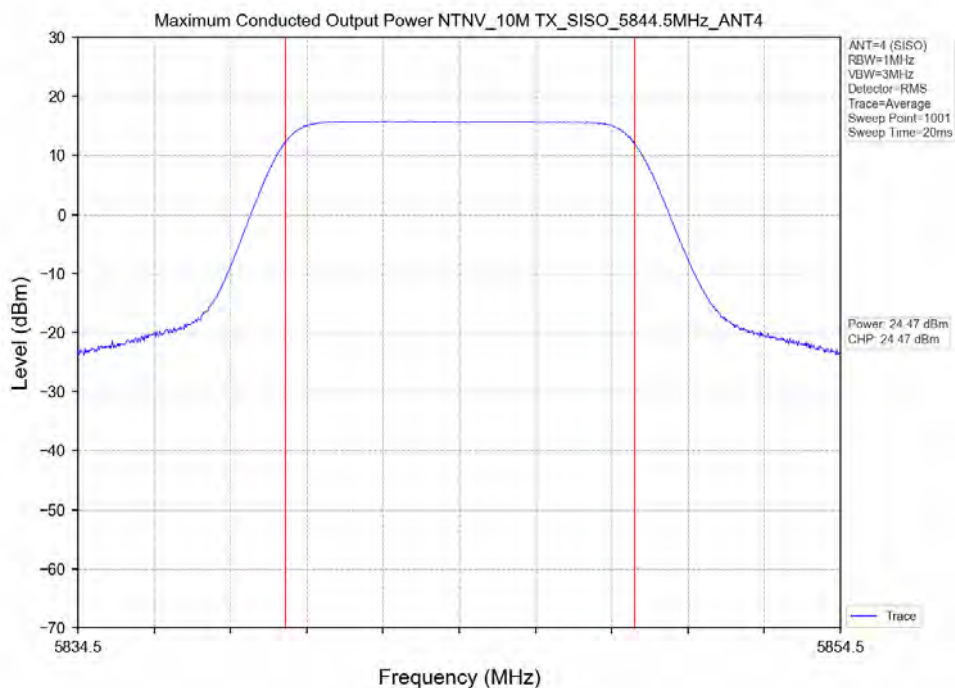
3.2 Test Graph

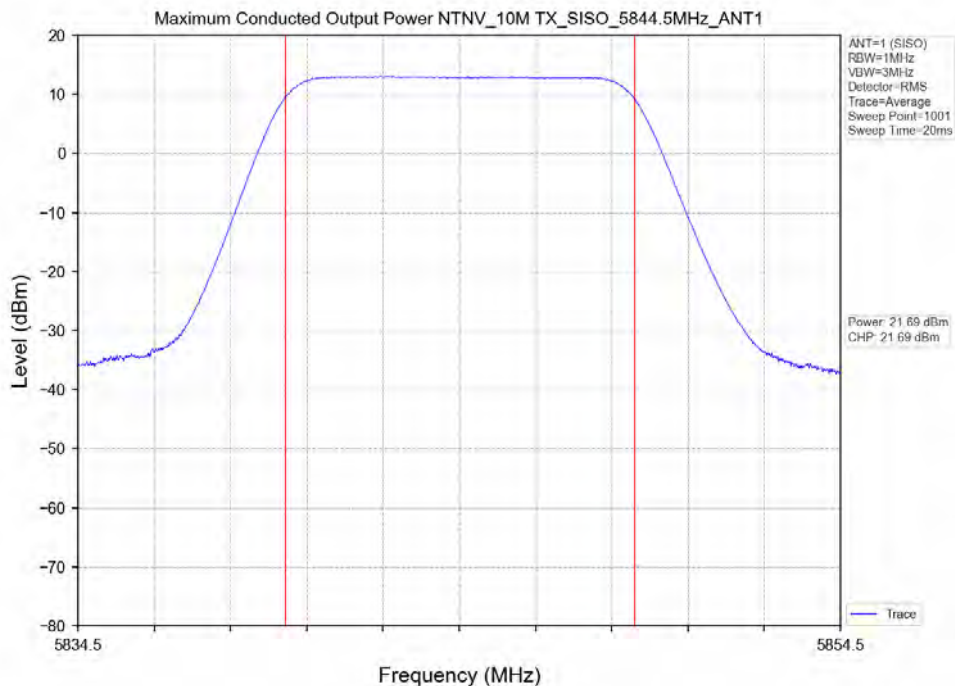
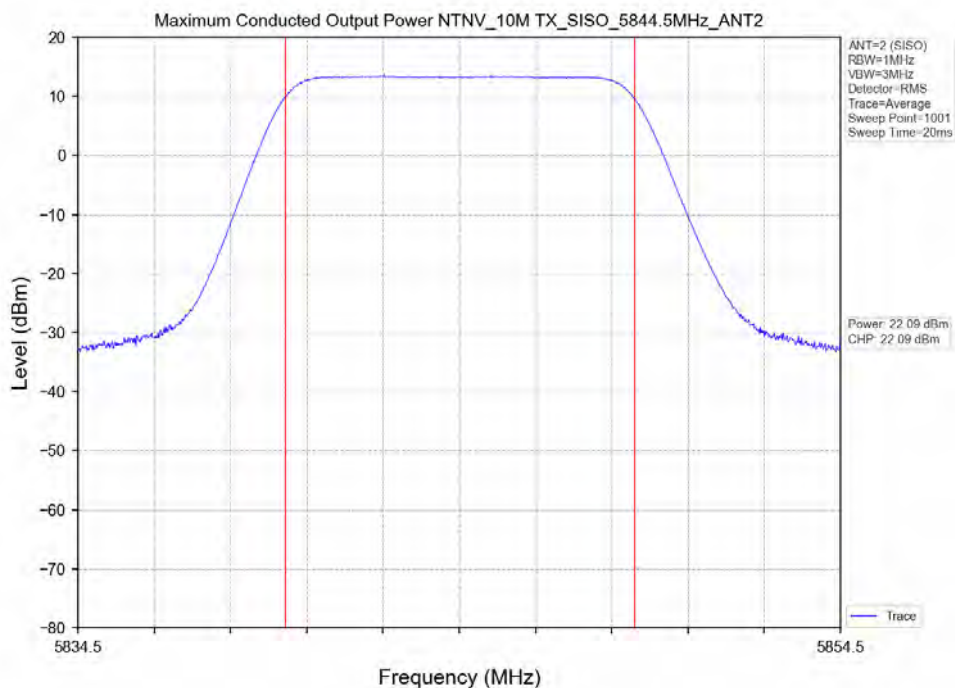


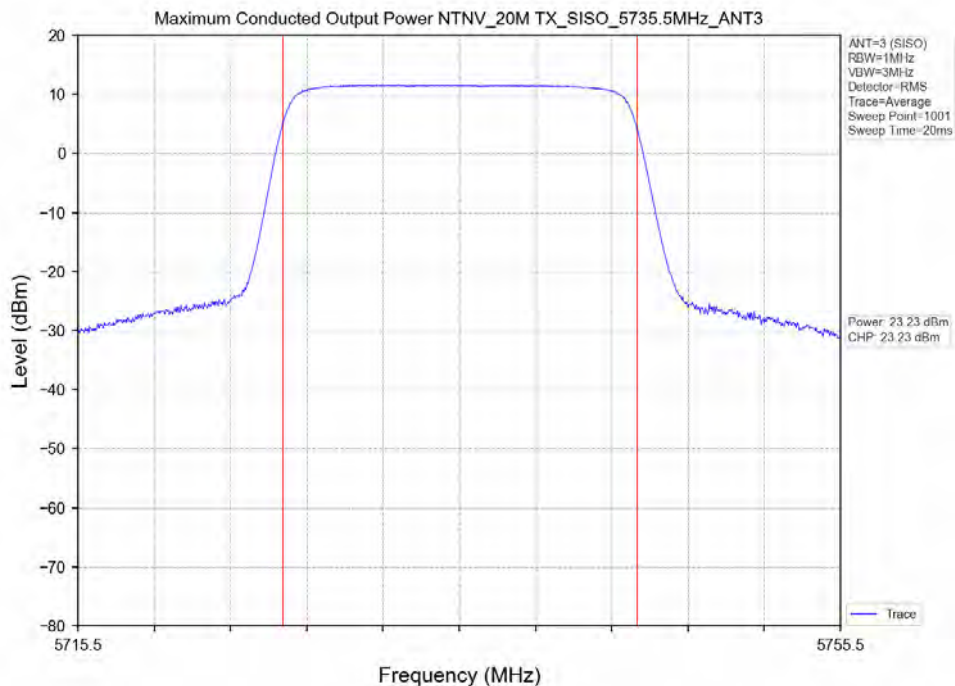
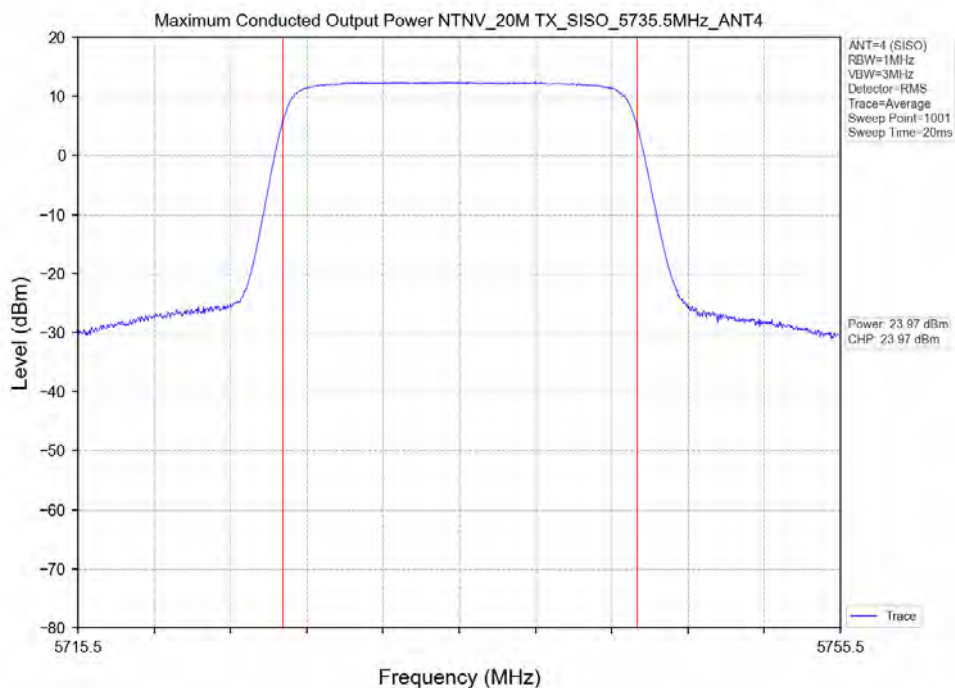


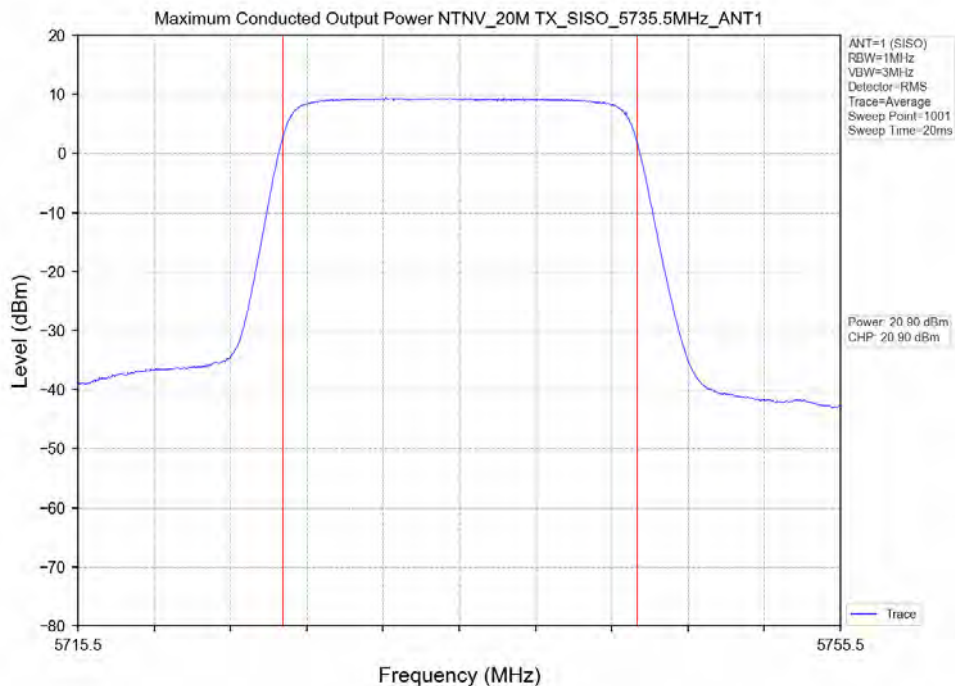
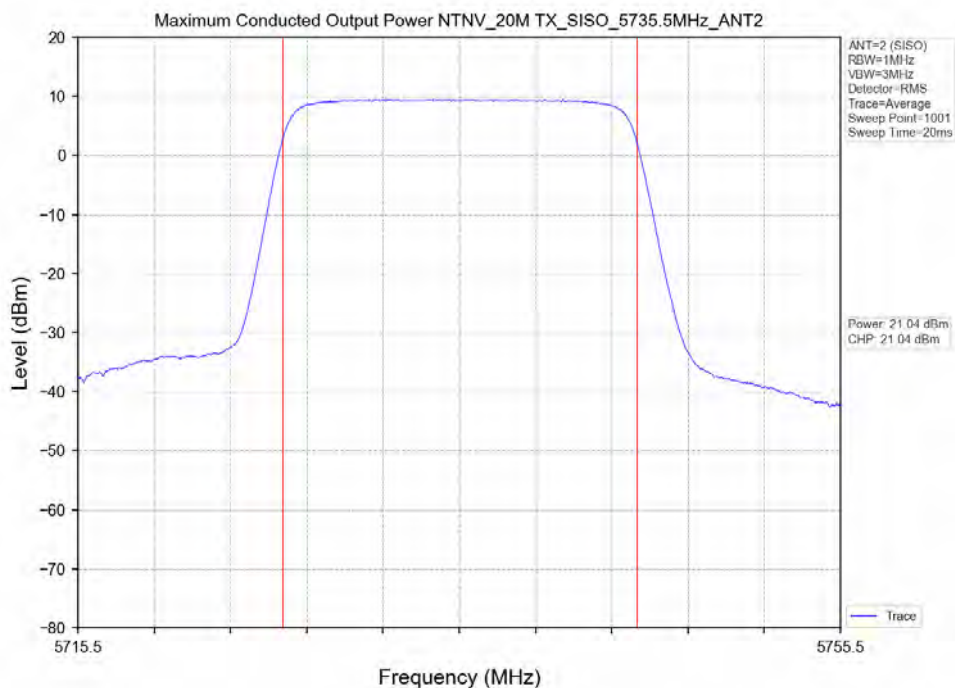


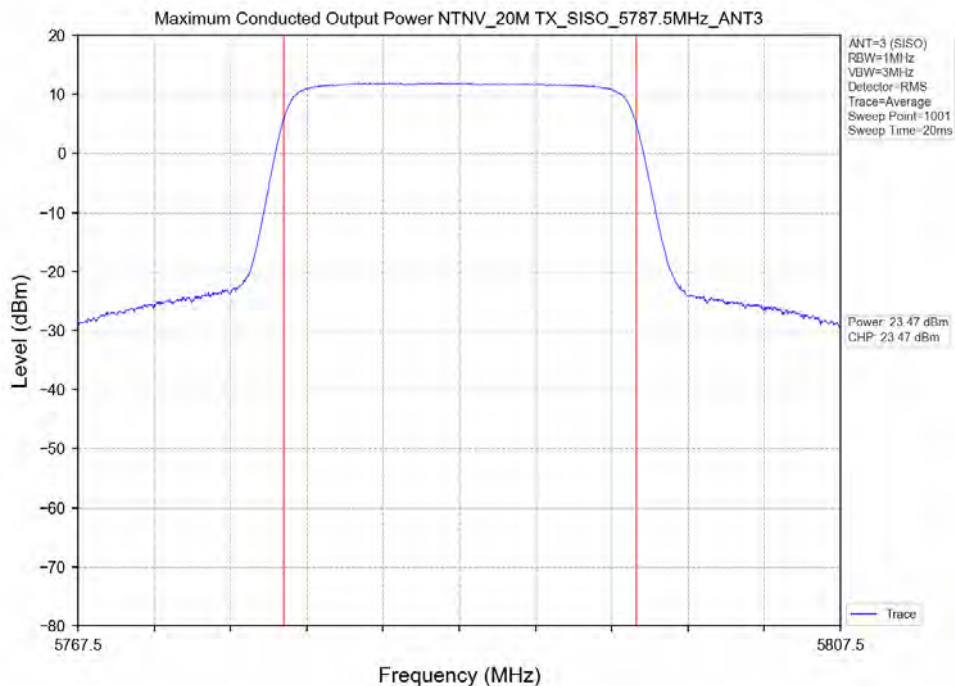
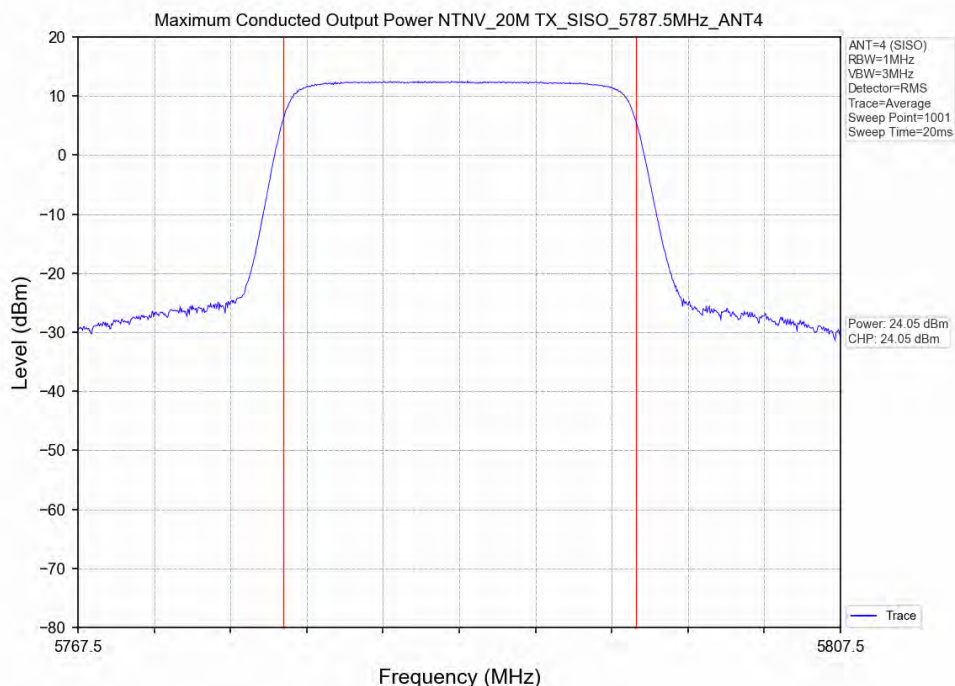


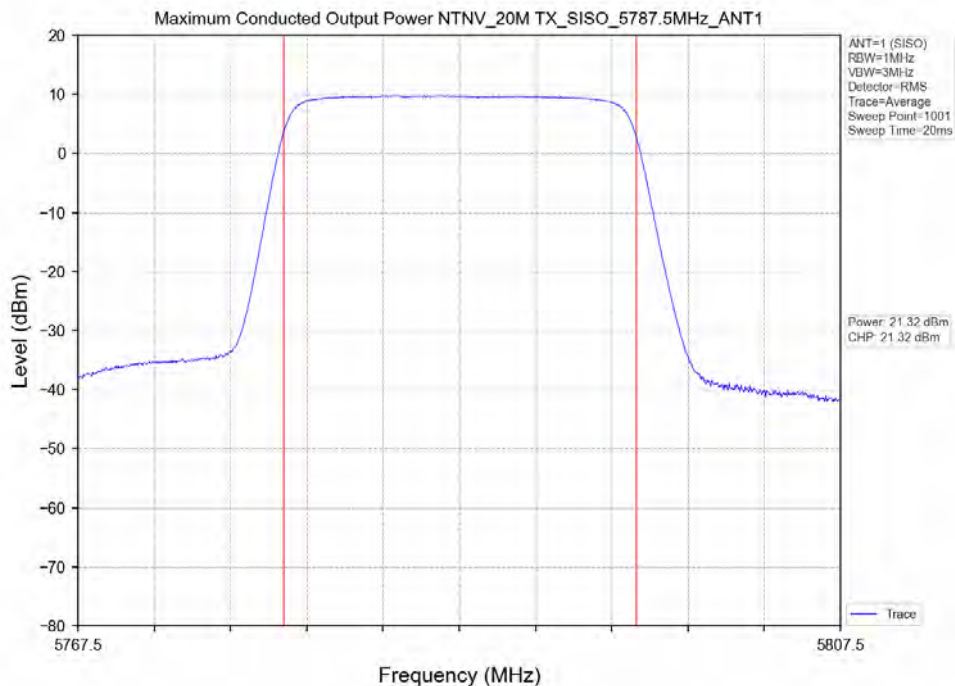
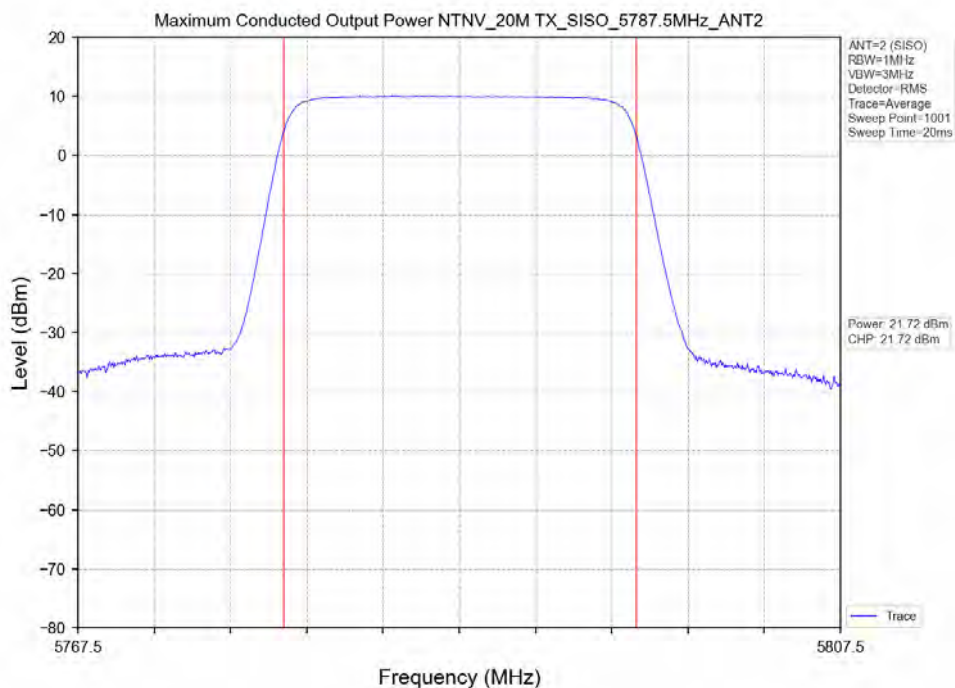


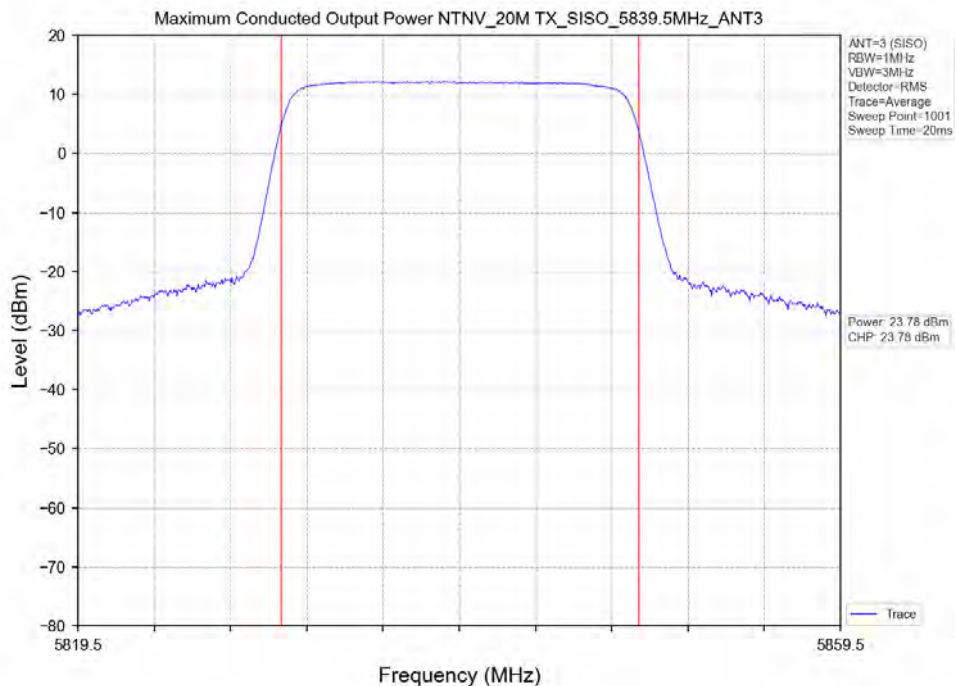
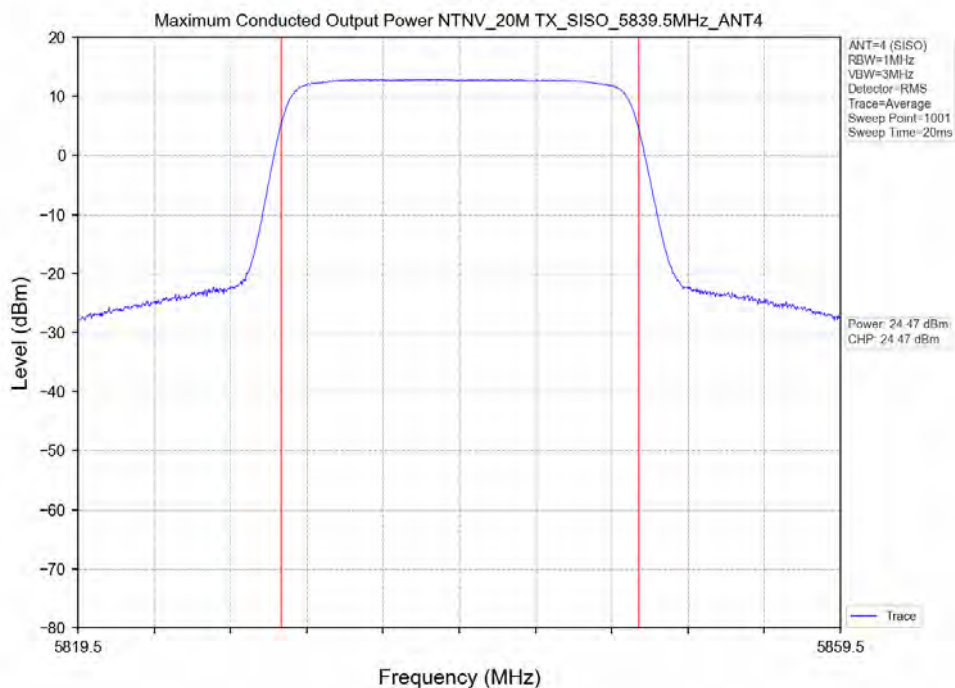


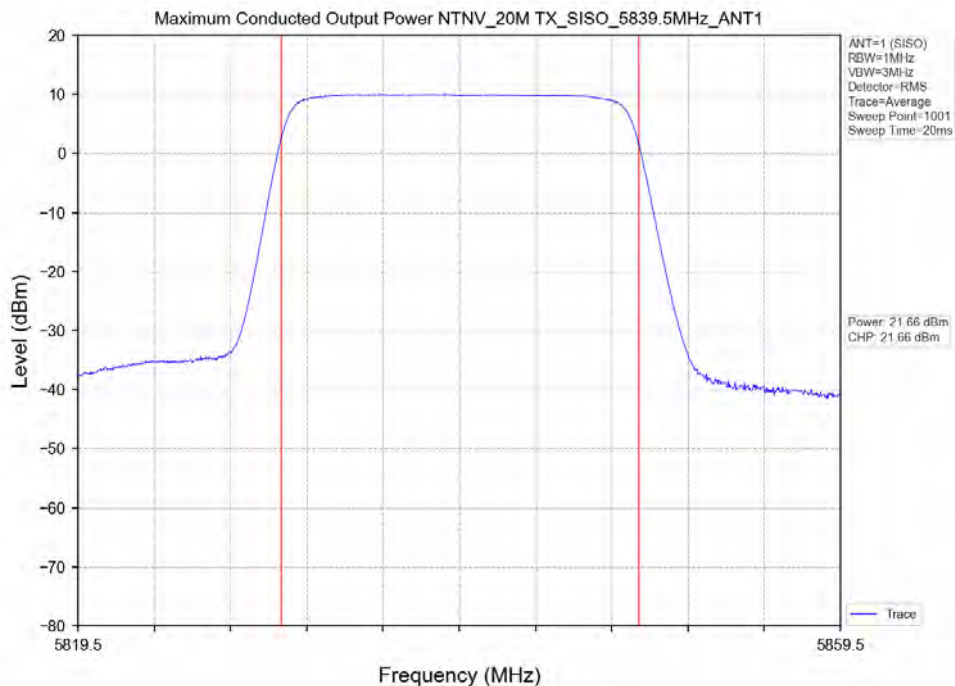
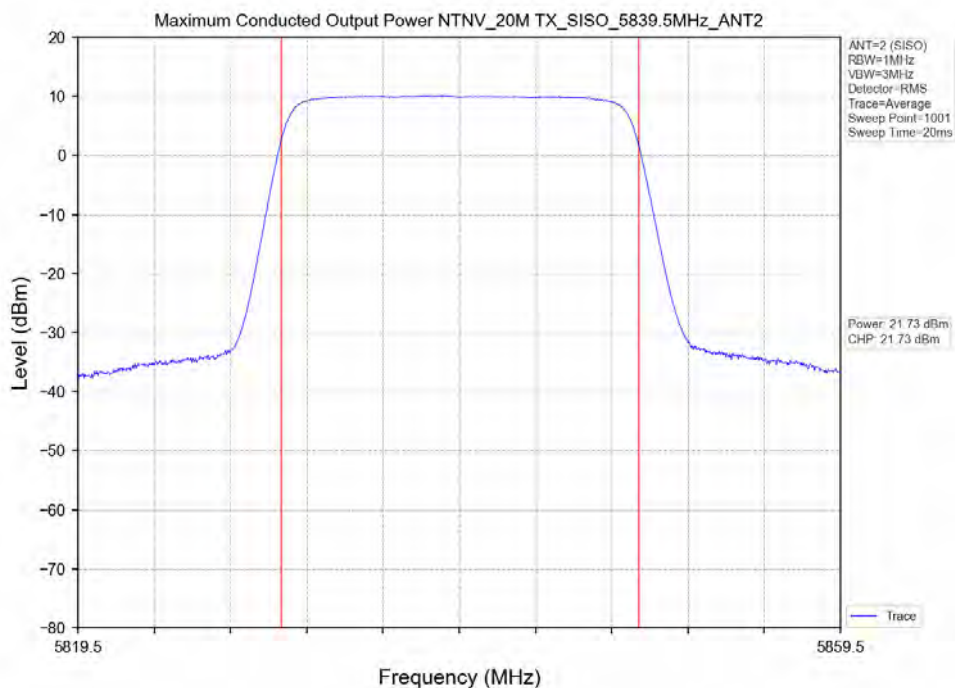


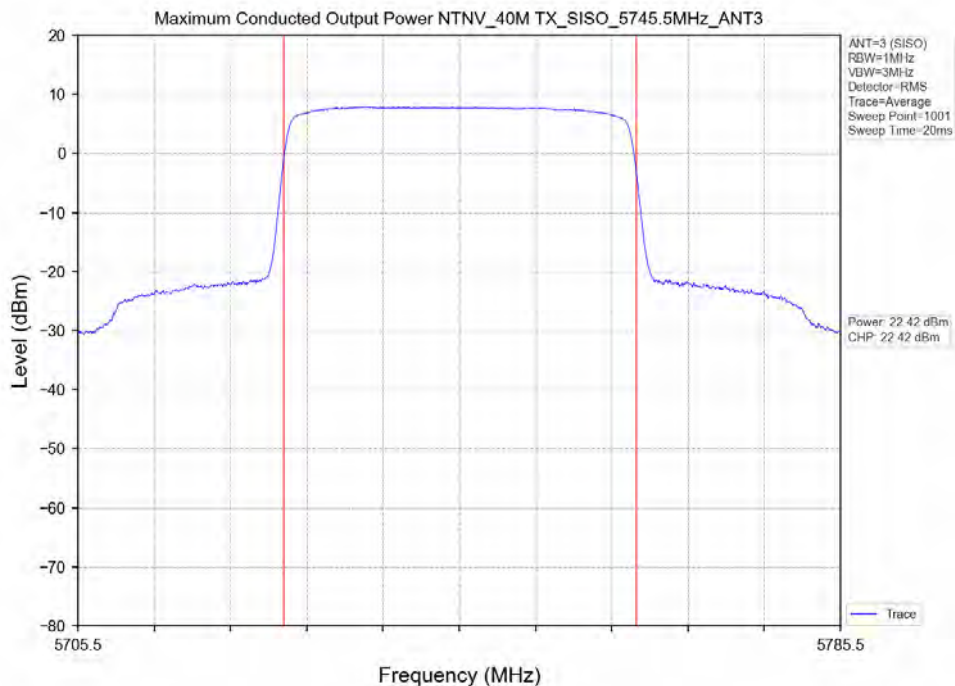
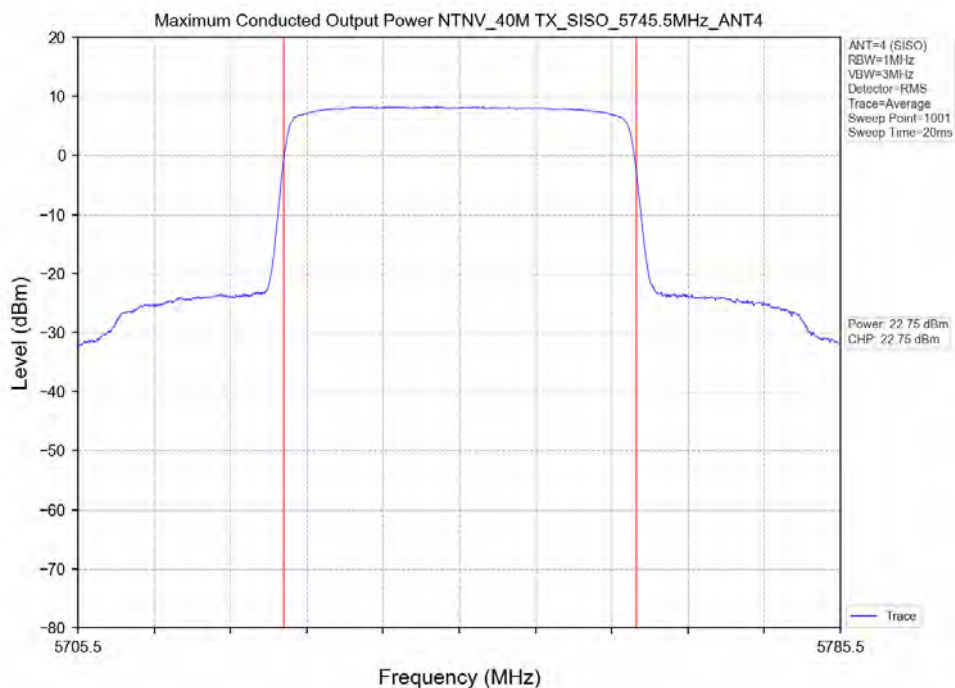


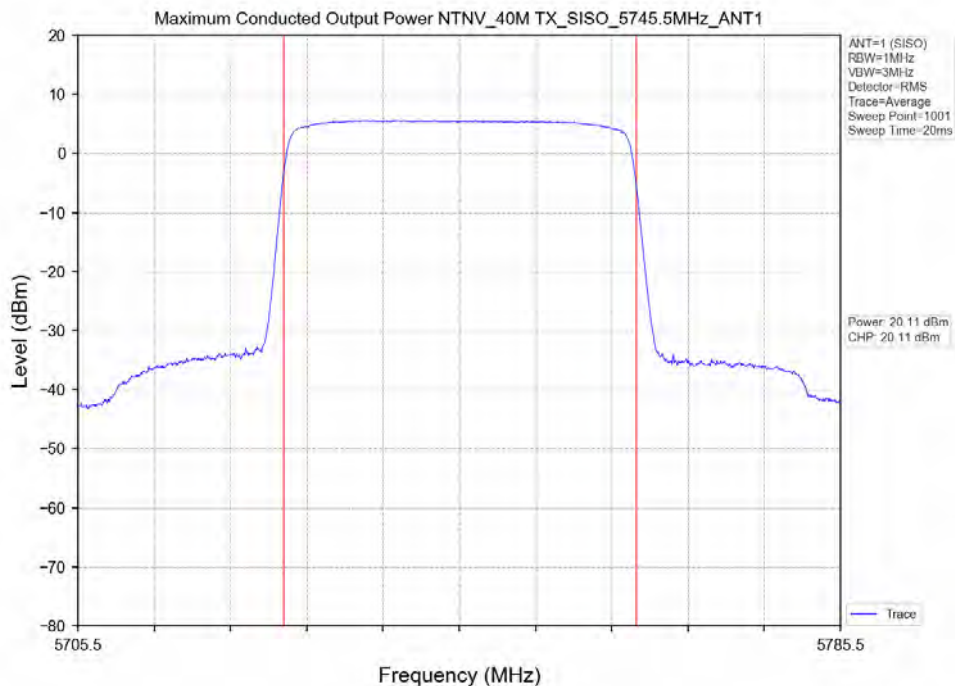
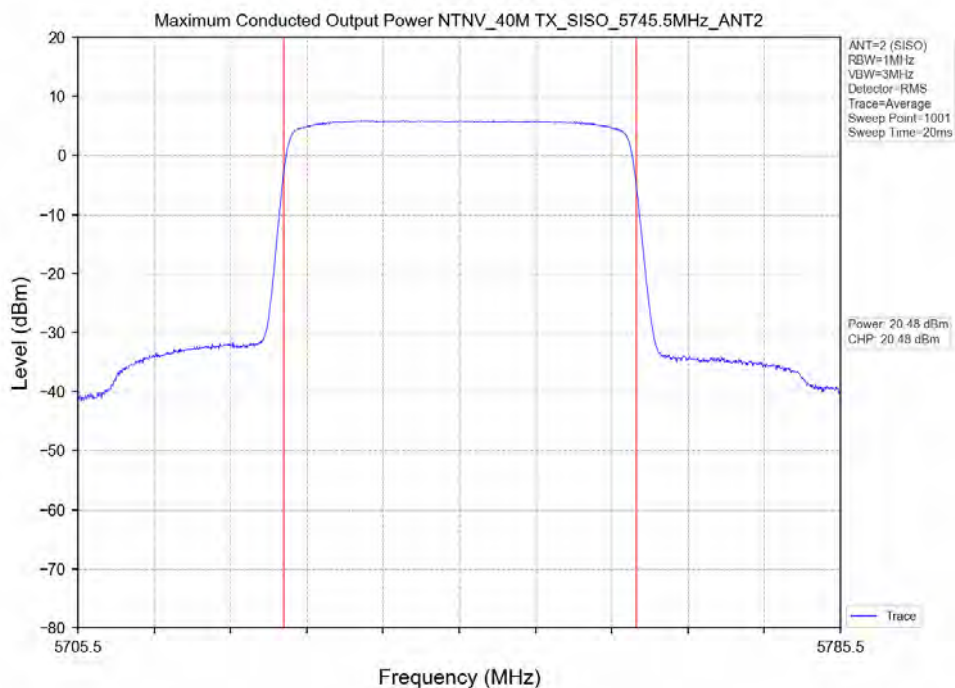


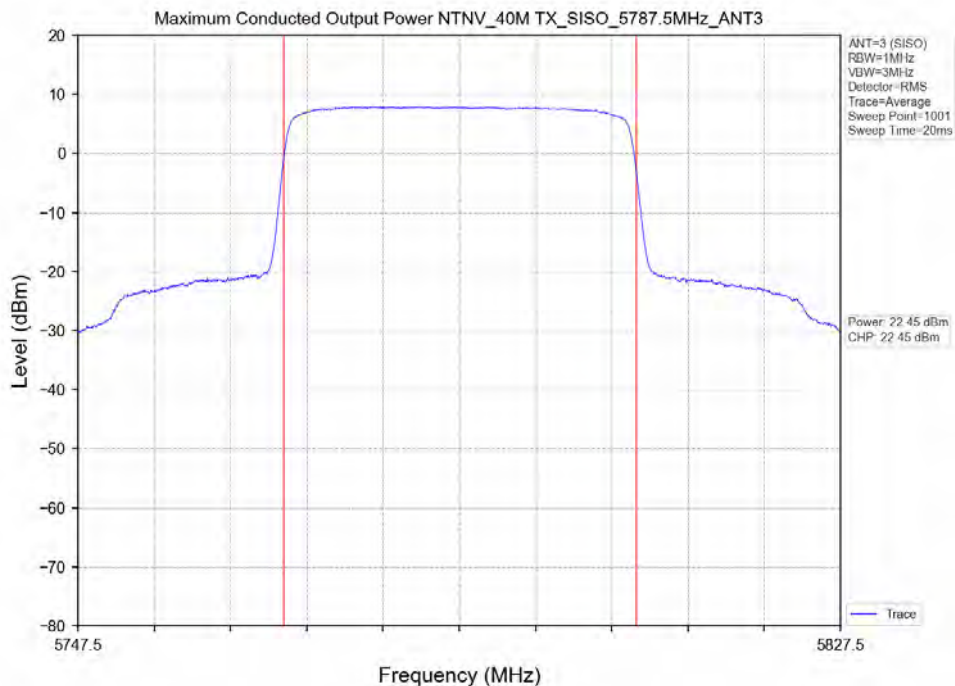
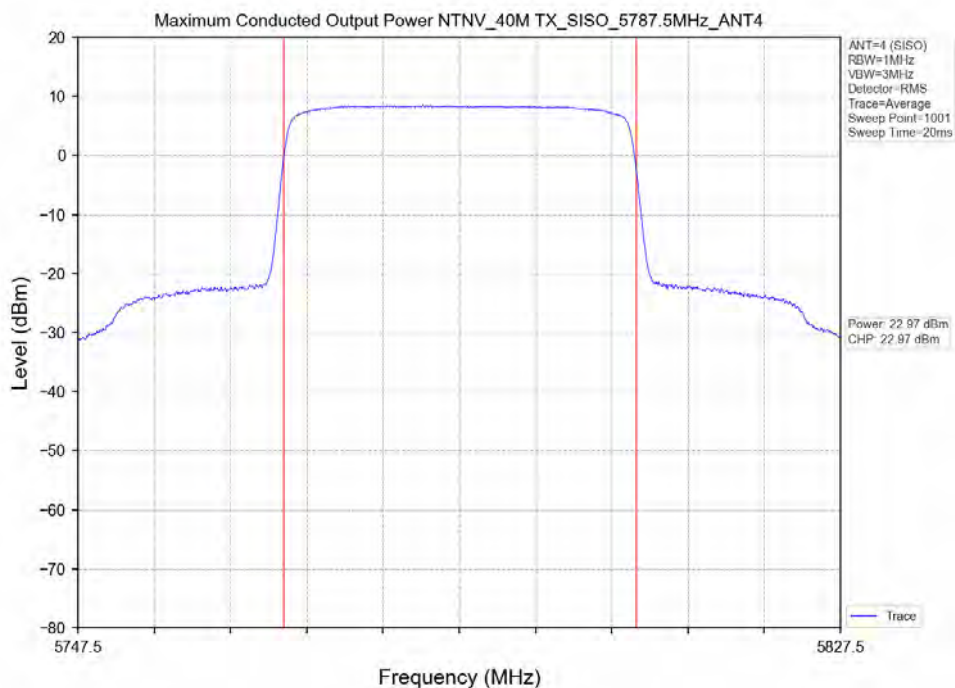


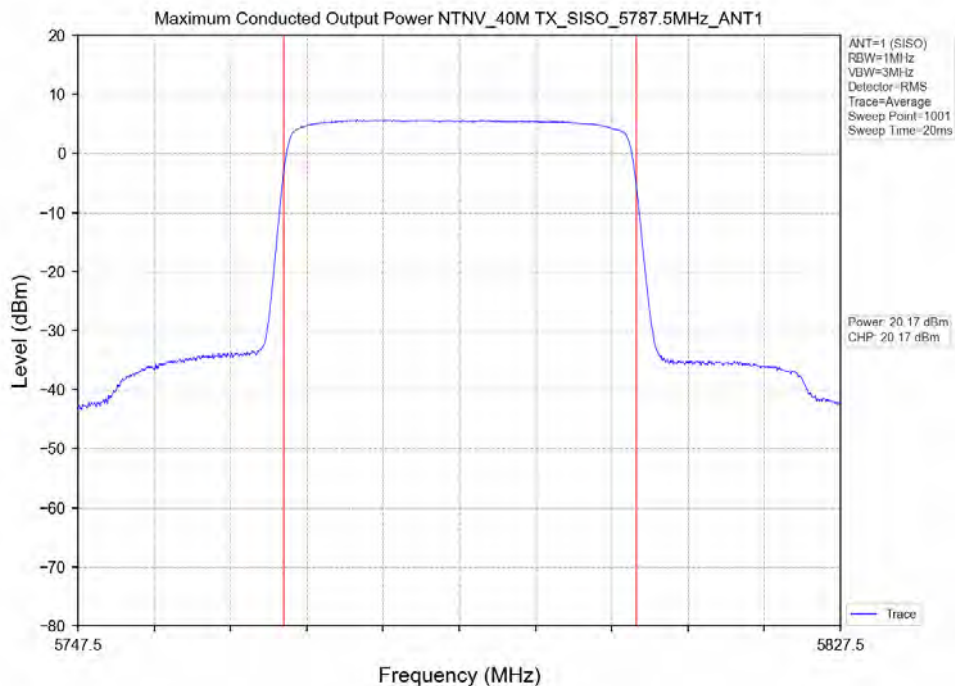
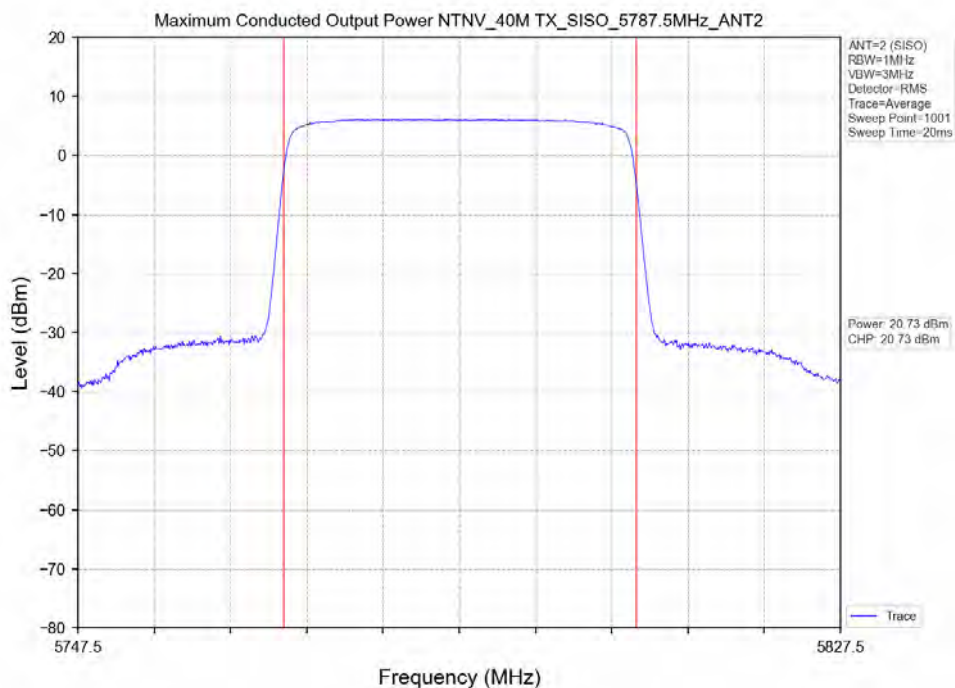


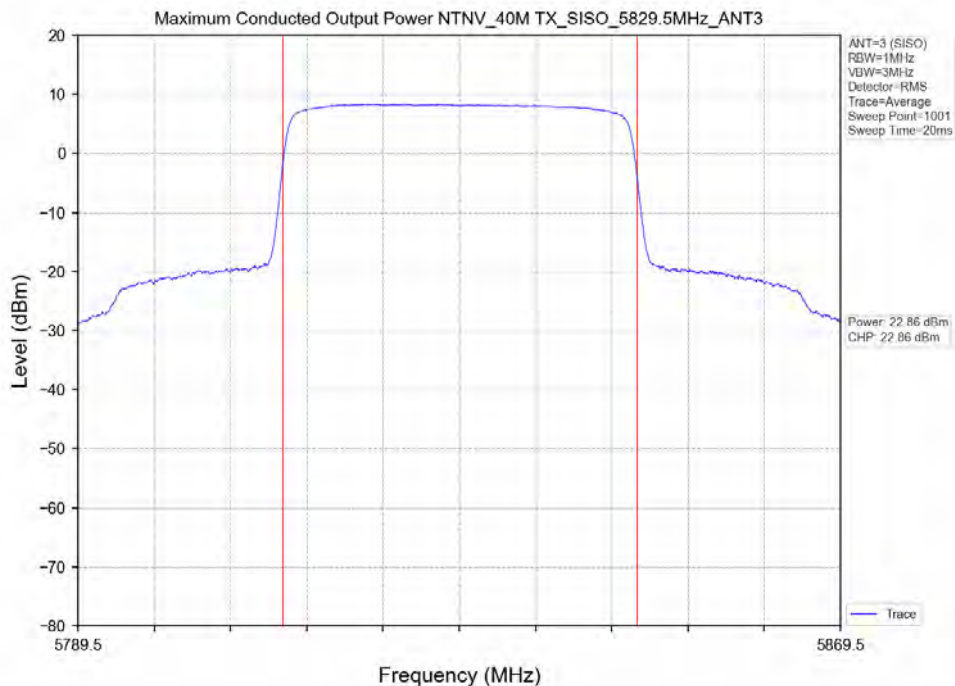
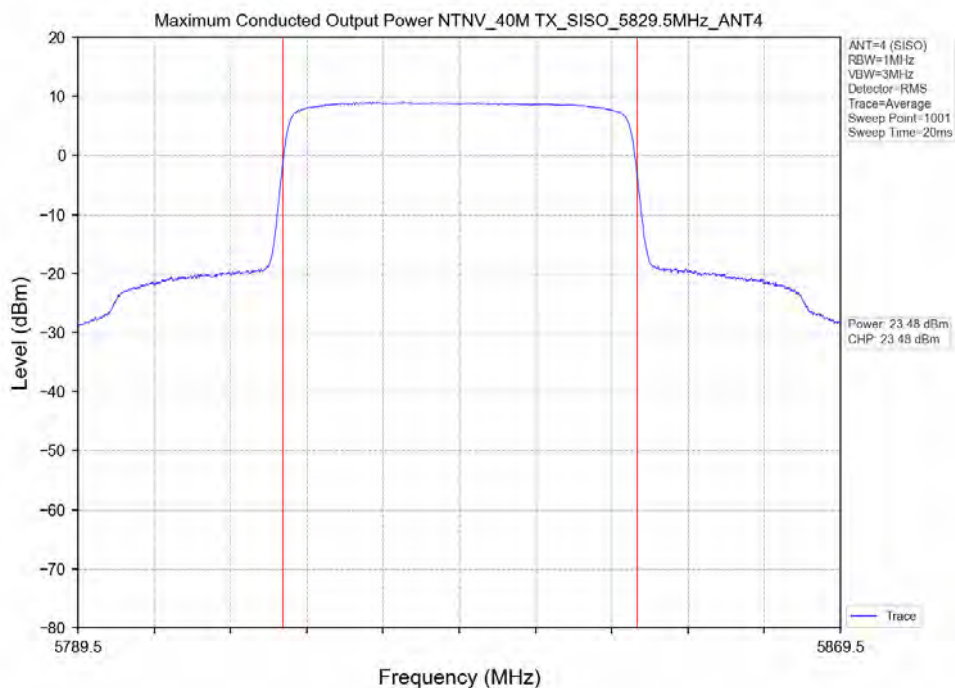


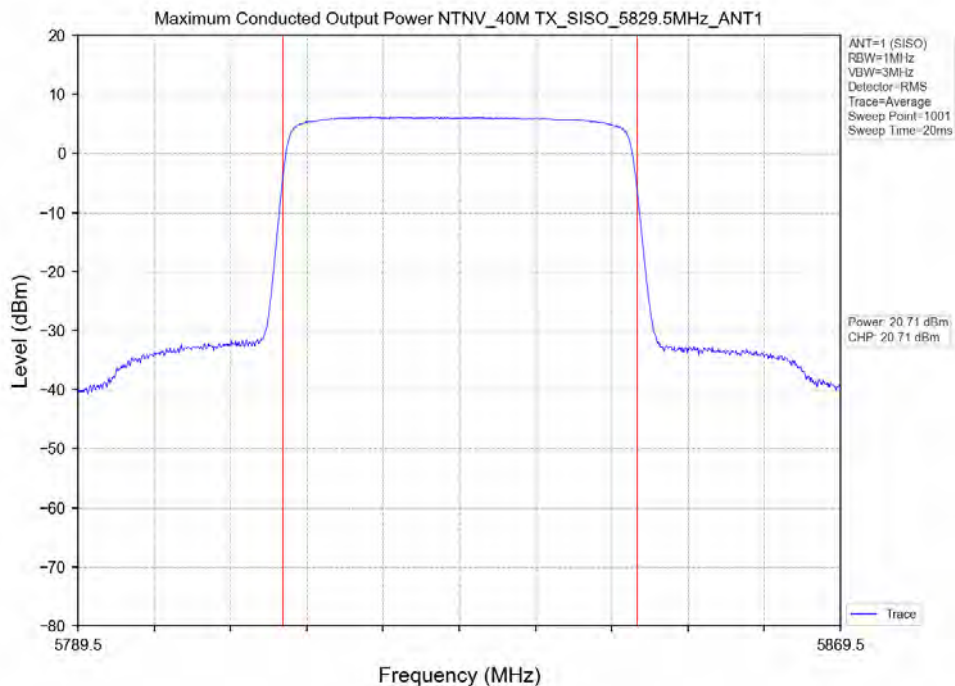
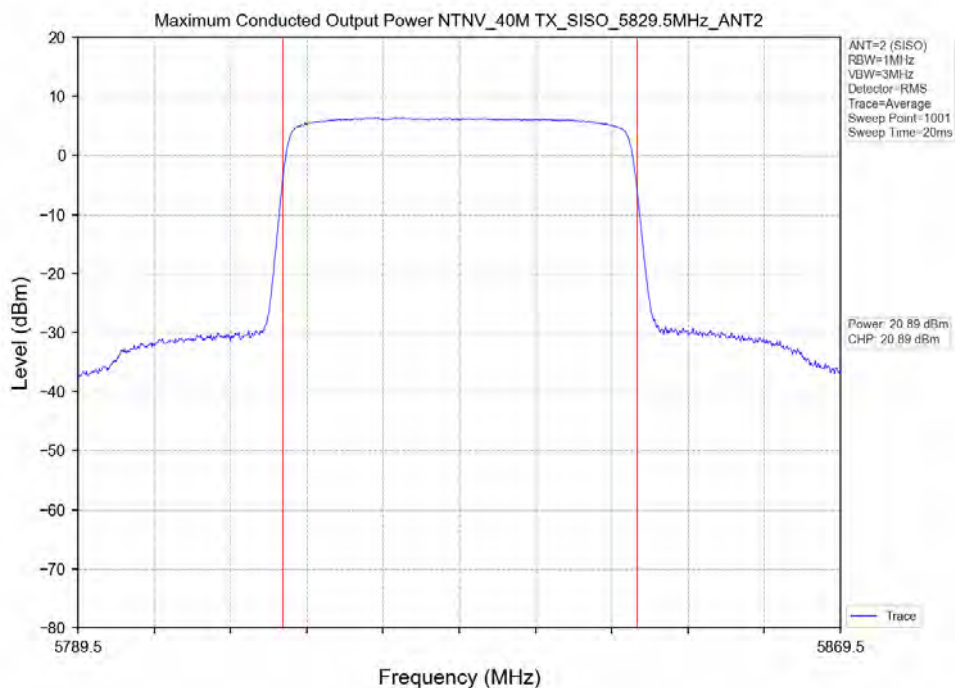














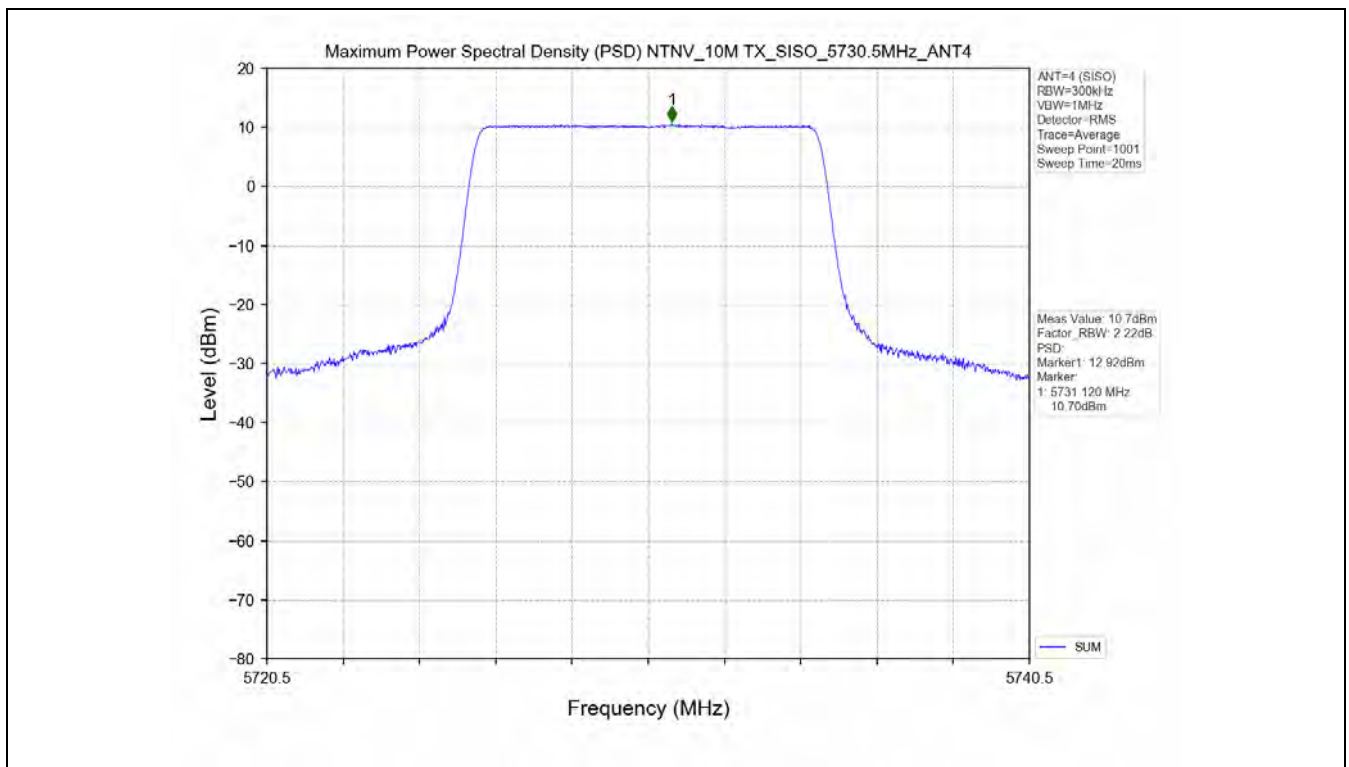
4. Maximum Power Spectral Density (PSD)

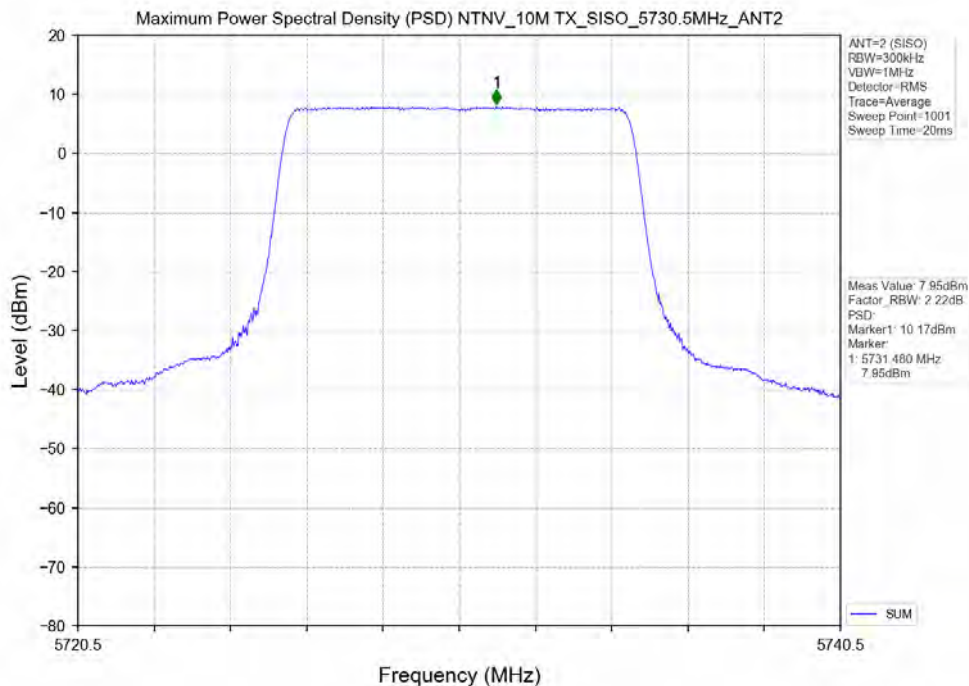
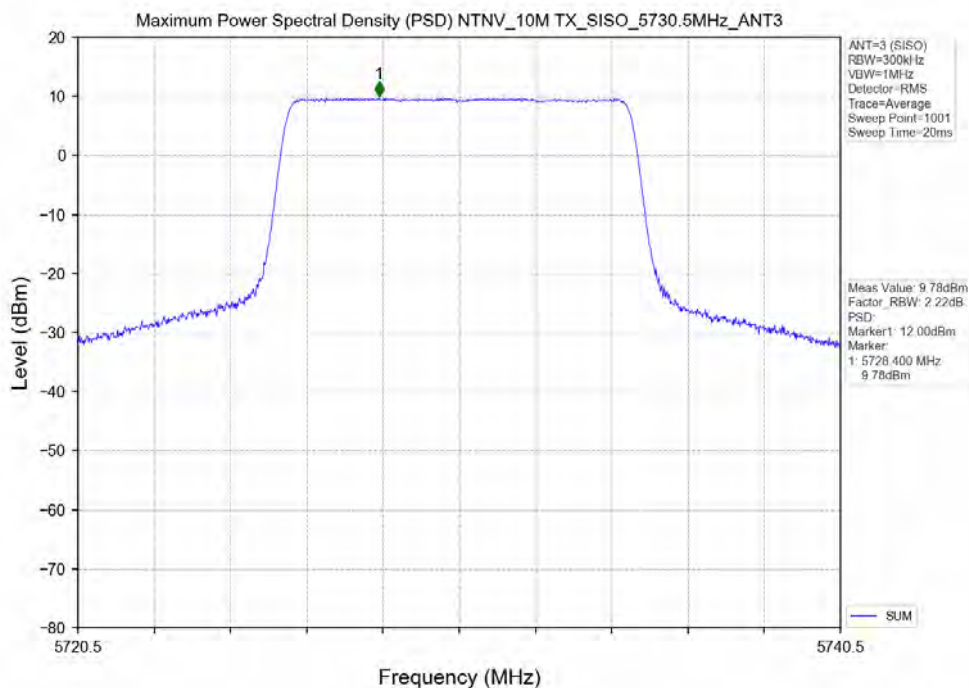
4.1 Test Result

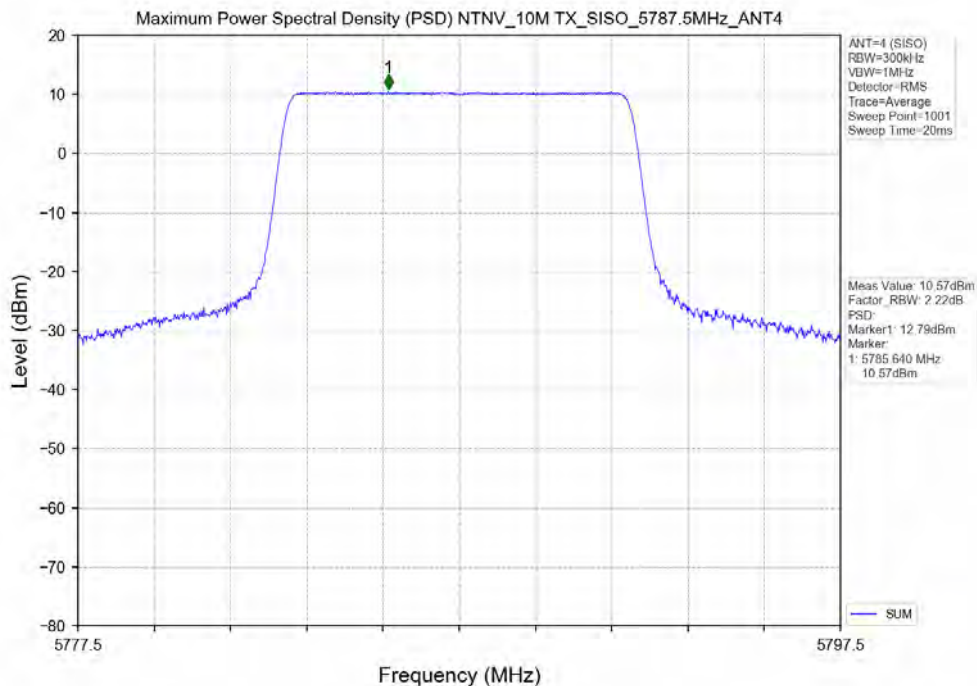
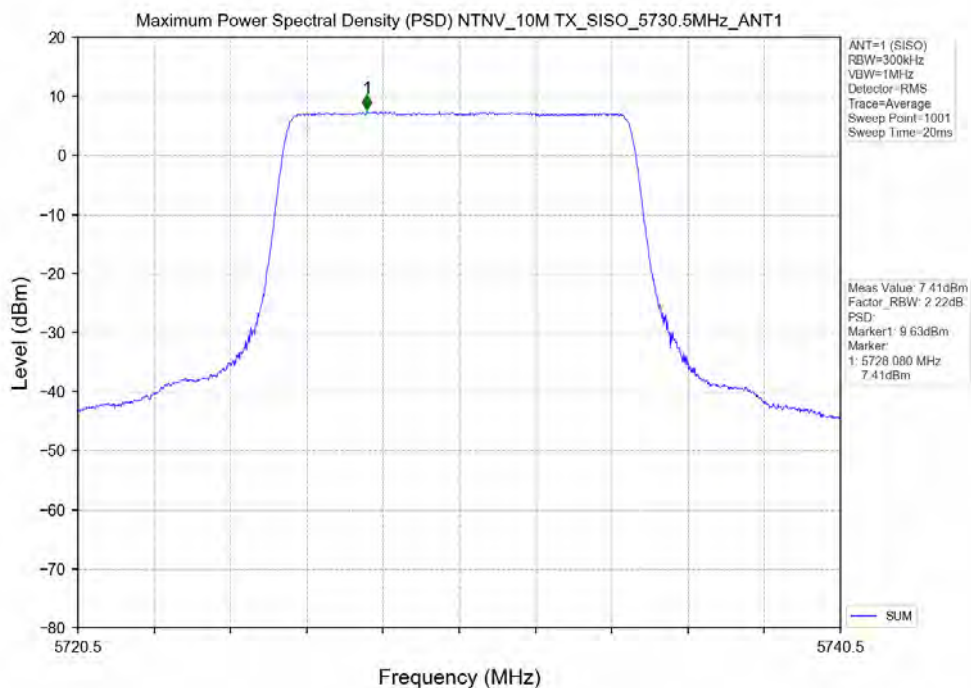
Test Mode	Frequency (MHz)	Maximum Power Spectral Density (dBm/MHz)	Verdict
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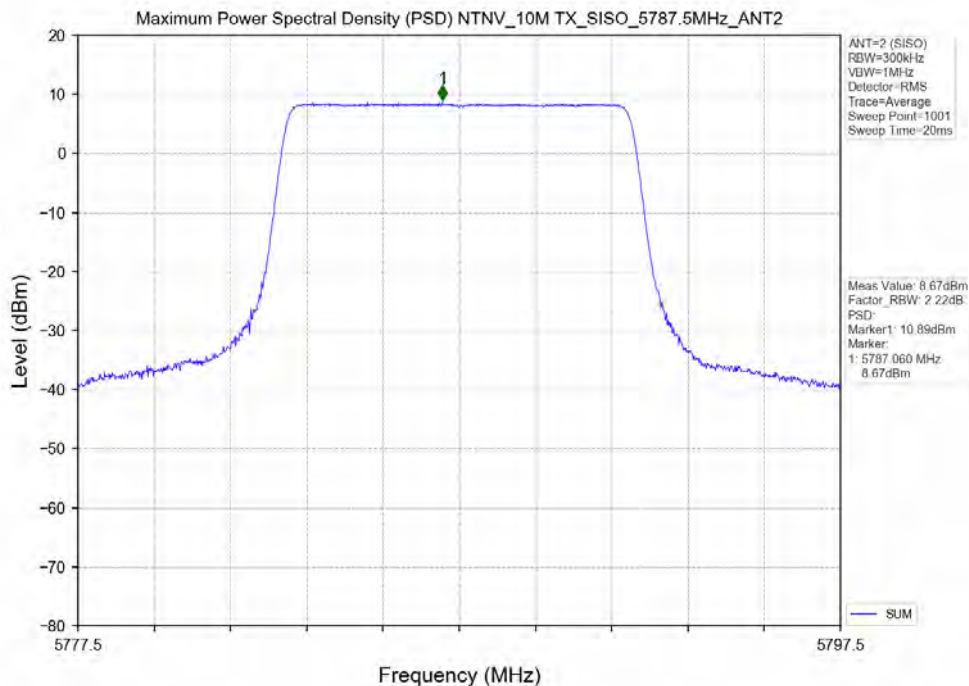
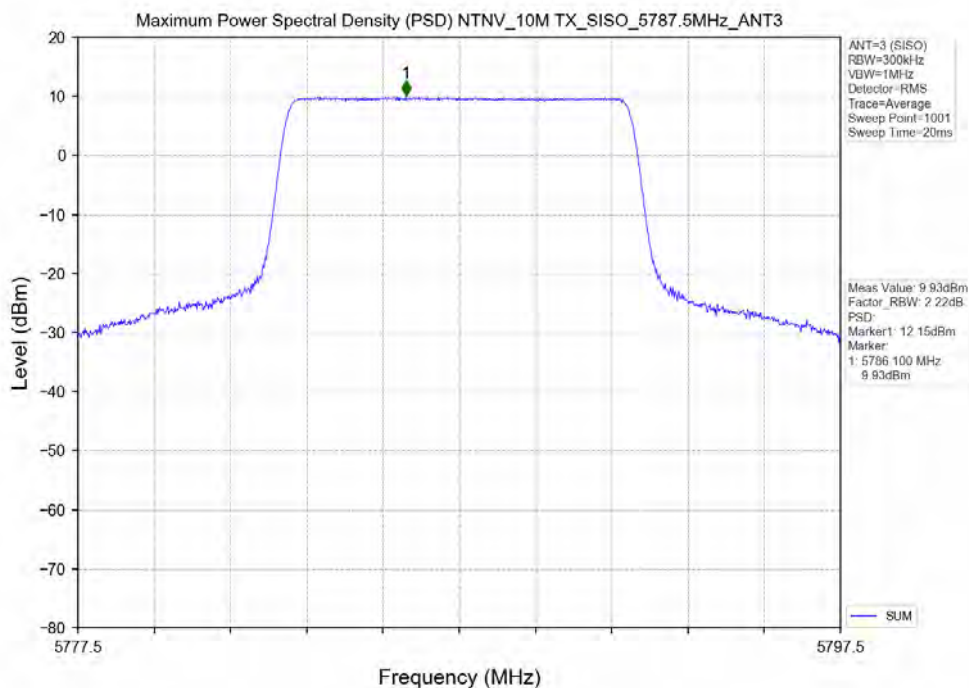
Test Mode	Frequency (MHz)	Tx Type	Maximum Power Spectral Density (dBm/500kHz)				Limits (dBm/500kHz)	Verdict
			Ant 4	Ant 3	Ant 2	Ant 1		
10M TX-10M	5730.5	SISO	12.92	12.00	10.17	9.63	≤30	PASS
	5787.5	SISO	12.79	12.15	10.89	9.97	≤30	PASS
	5844.5	SISO	13.11	12.30	10.79	10.28	≤30	PASS
20M TX-20M	5735.5	SISO	9.68	8.88	6.67	6.55	≤30	PASS
	5787.5	SISO	9.77	9.15	7.35	7.07	≤30	PASS
	5839.5	SISO	10.14	9.40	7.43	7.35	≤30	PASS
40M TX-40M	5745.5	SISO	5.59	5.16	3.32	2.94	≤30	PASS
	5787.5	SISO	5.71	5.16	3.39	2.86	≤30	PASS
	5829.5	SISO	6.22	5.59	3.60	3.66	≤30	PASS

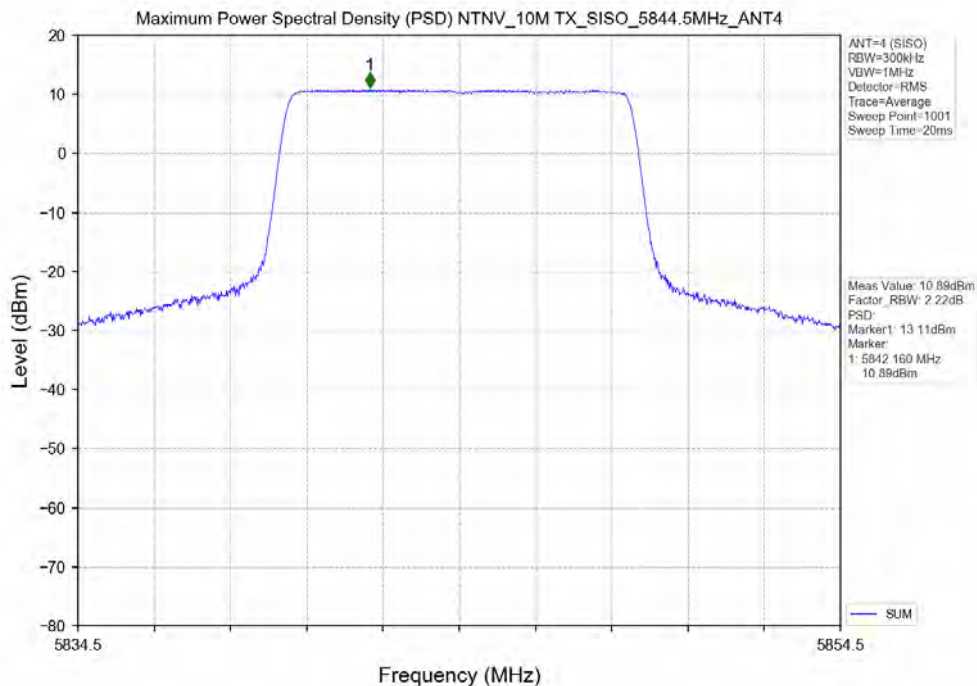
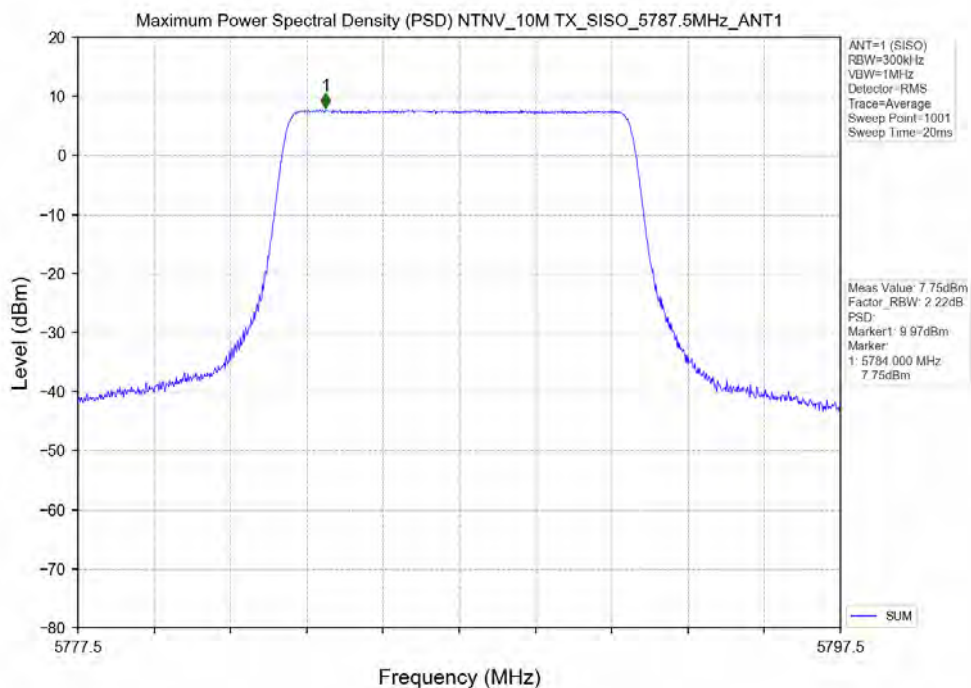
4.2 Test Graph

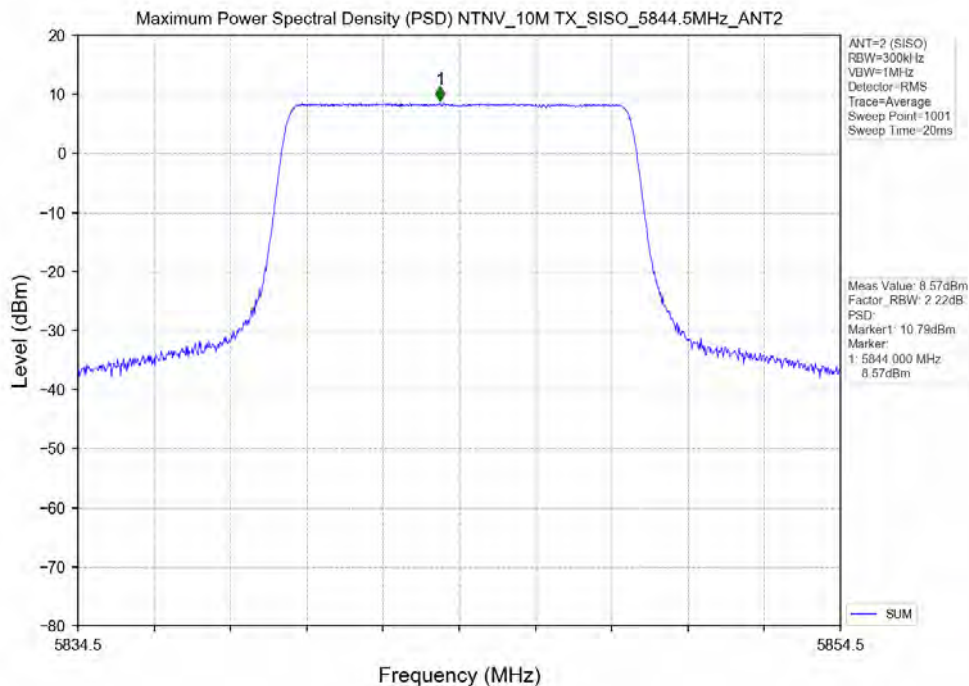
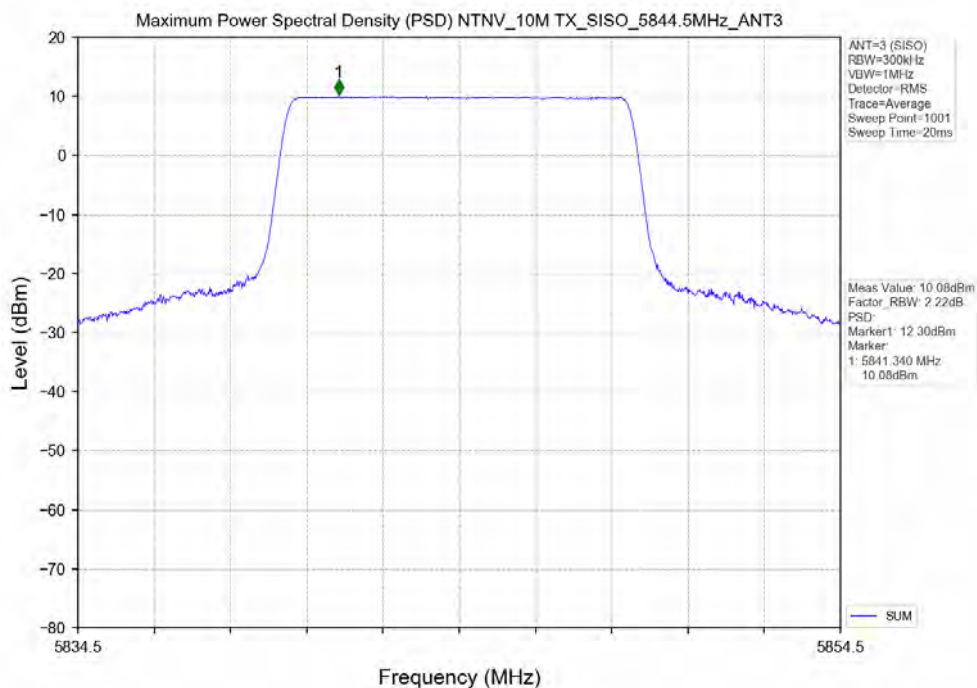


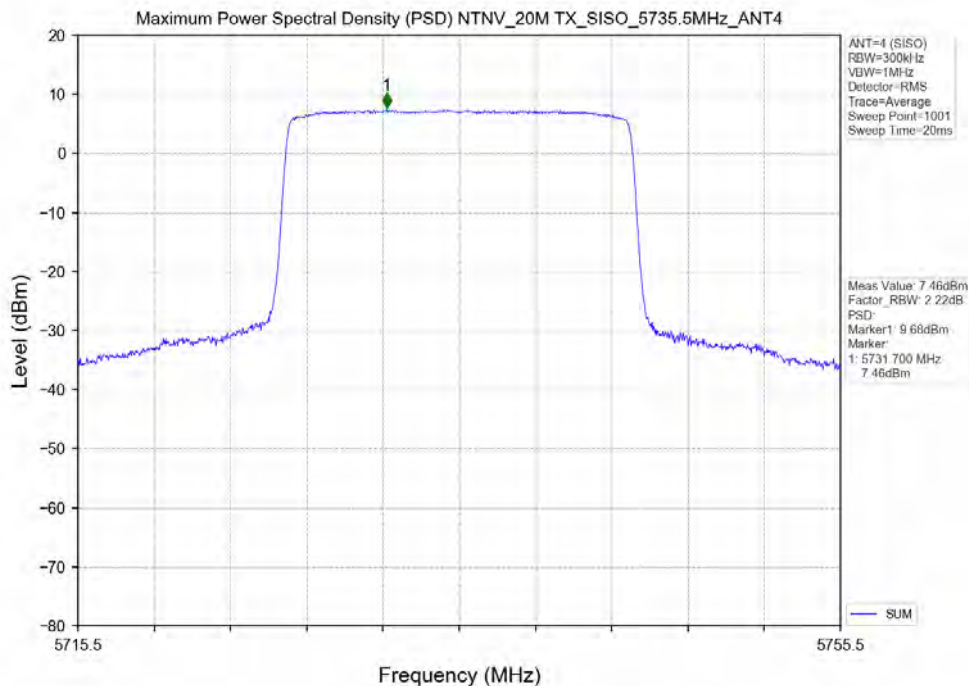
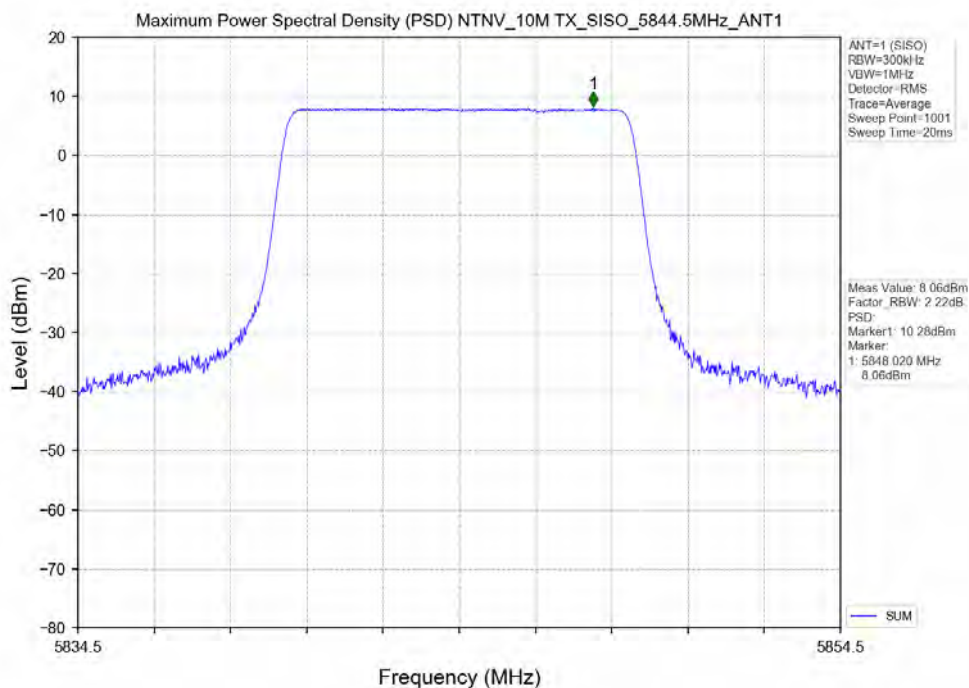


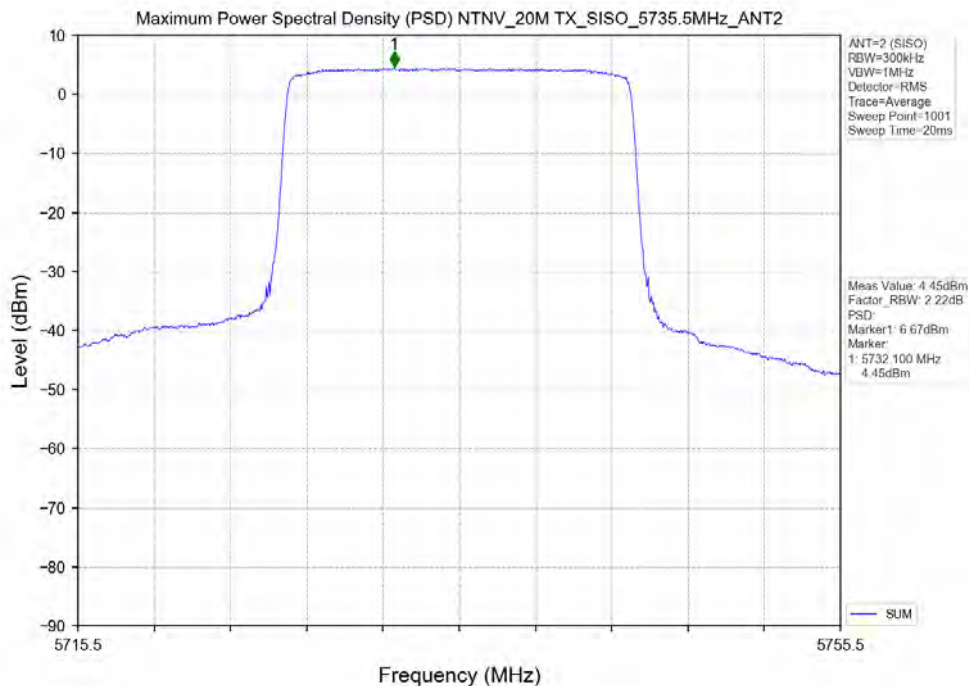
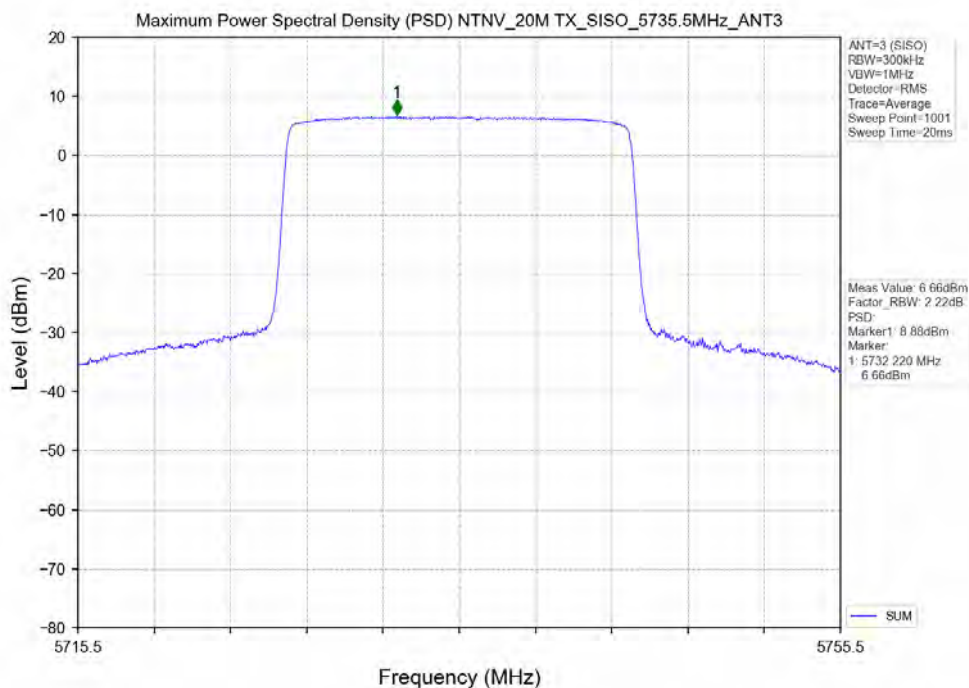


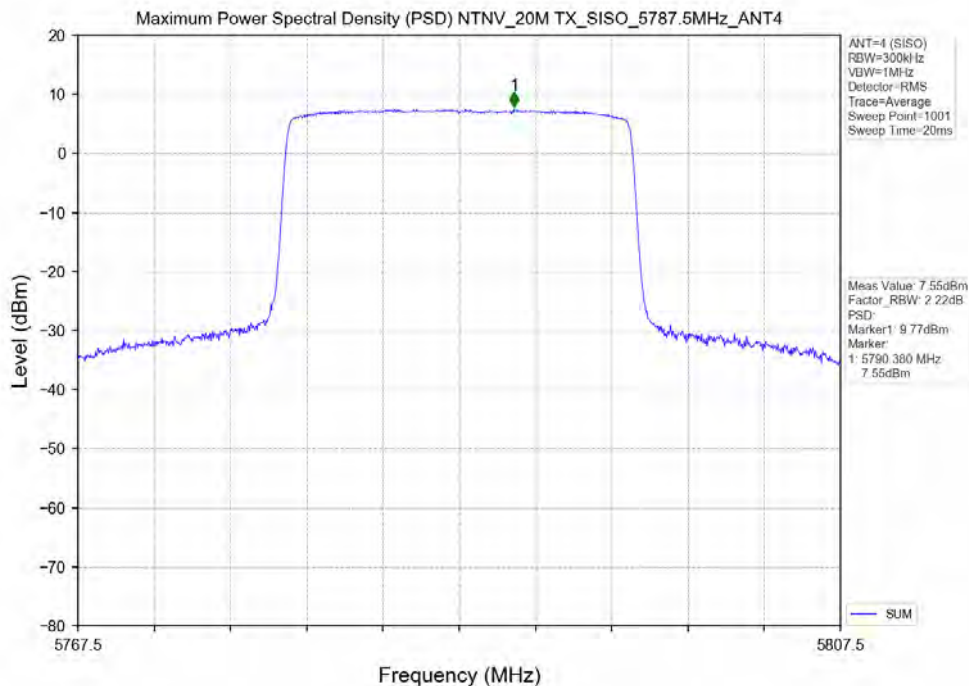
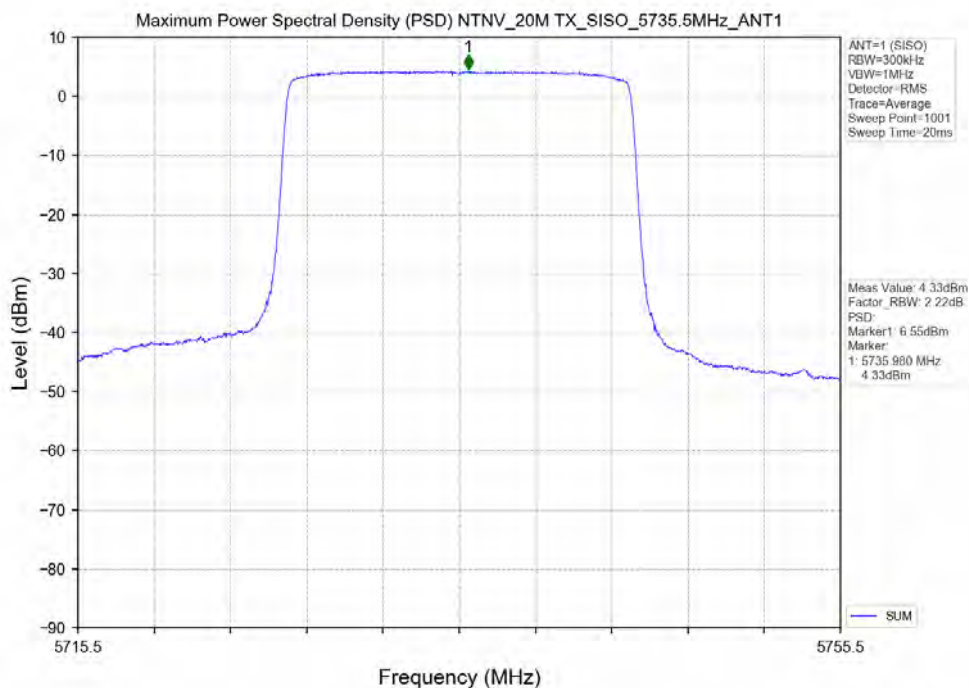


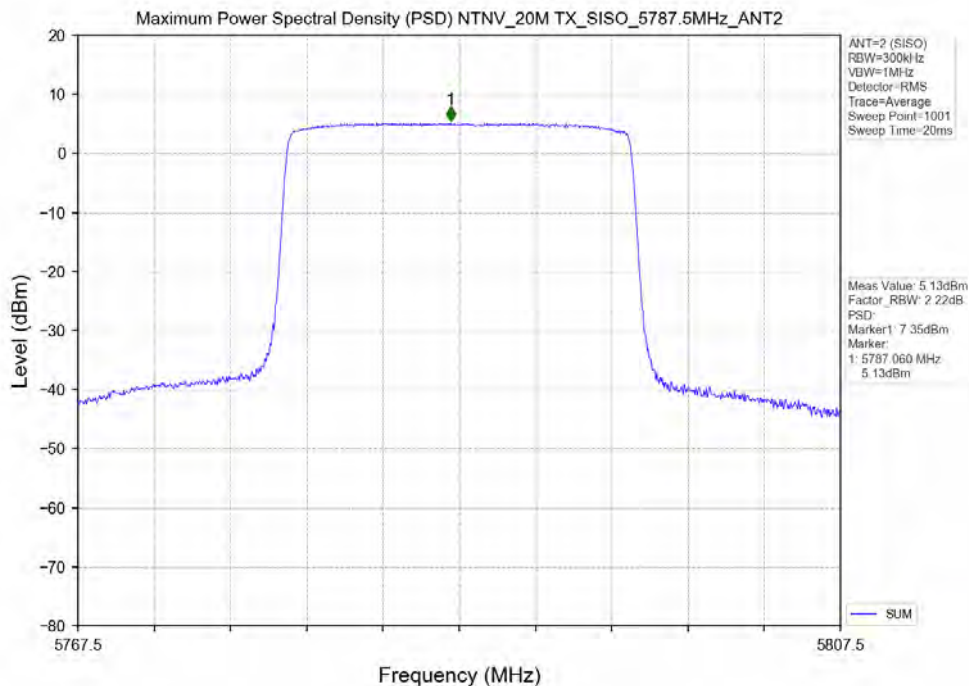
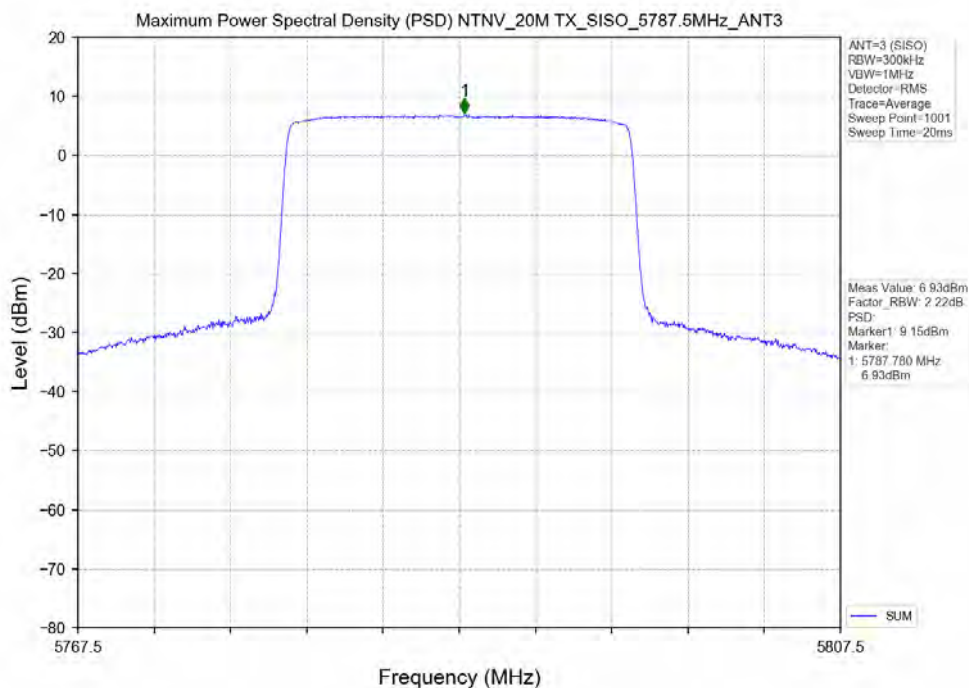


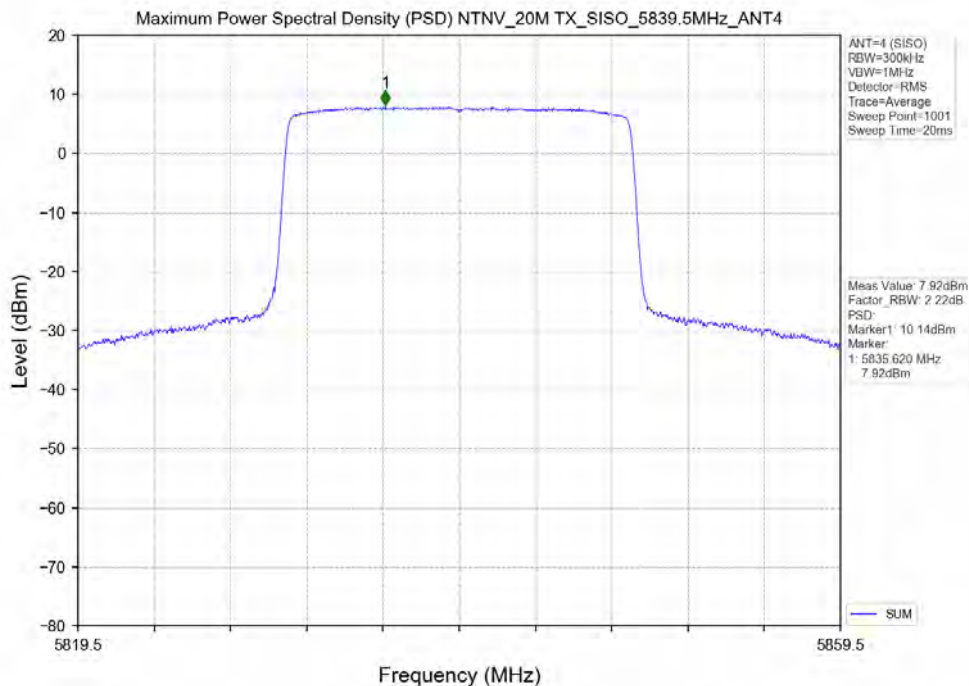
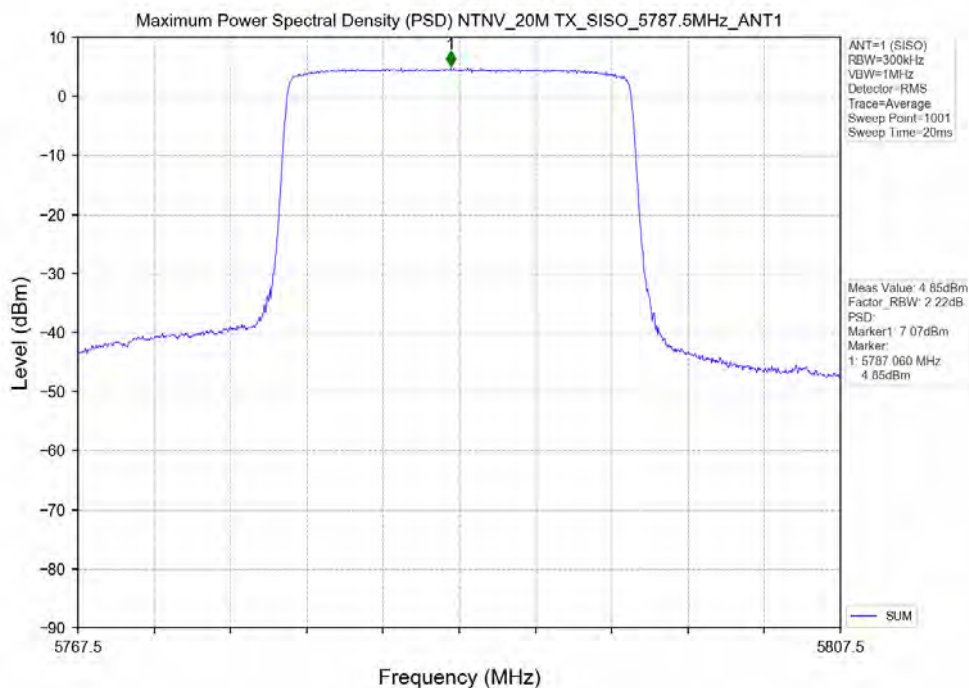


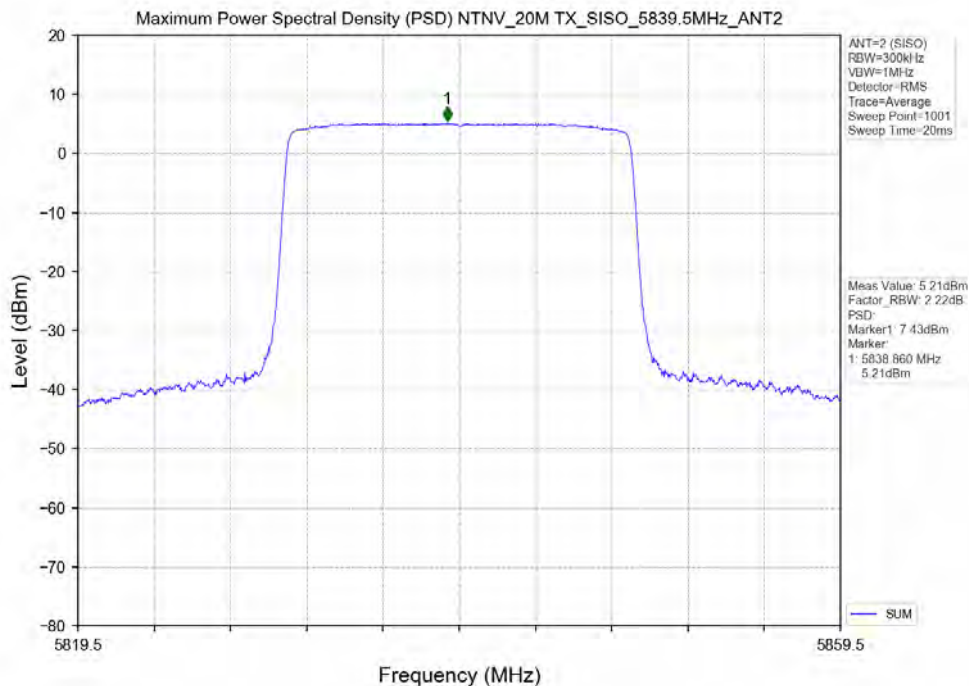
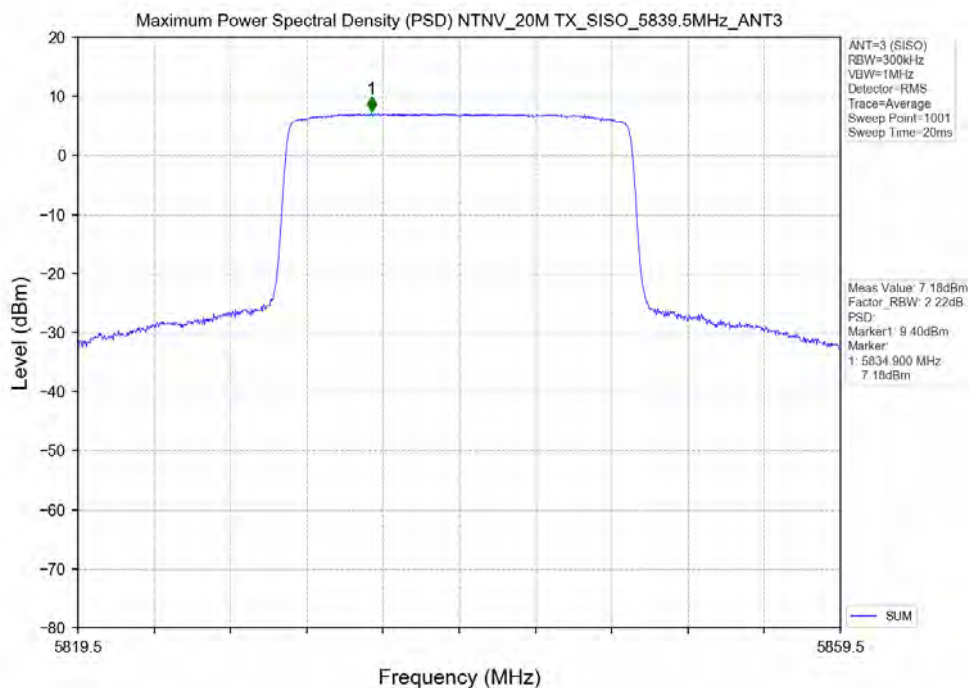


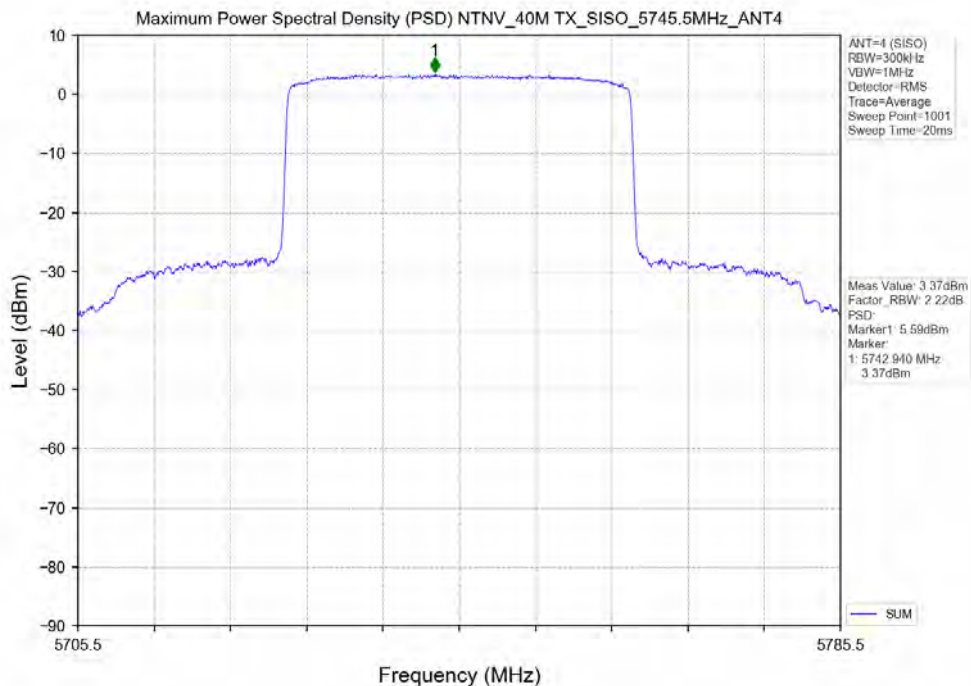
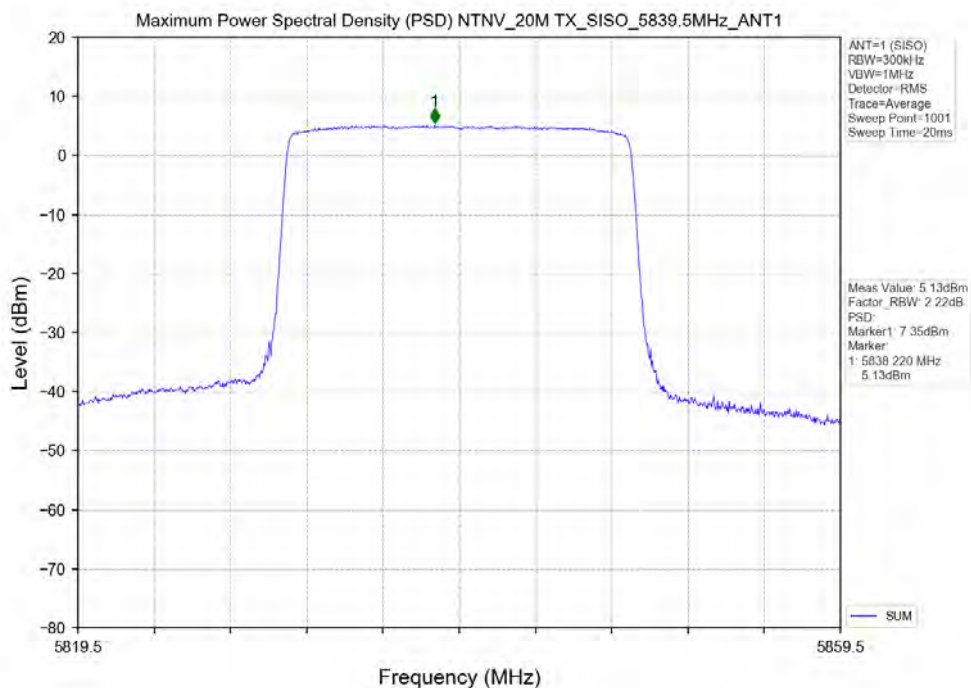


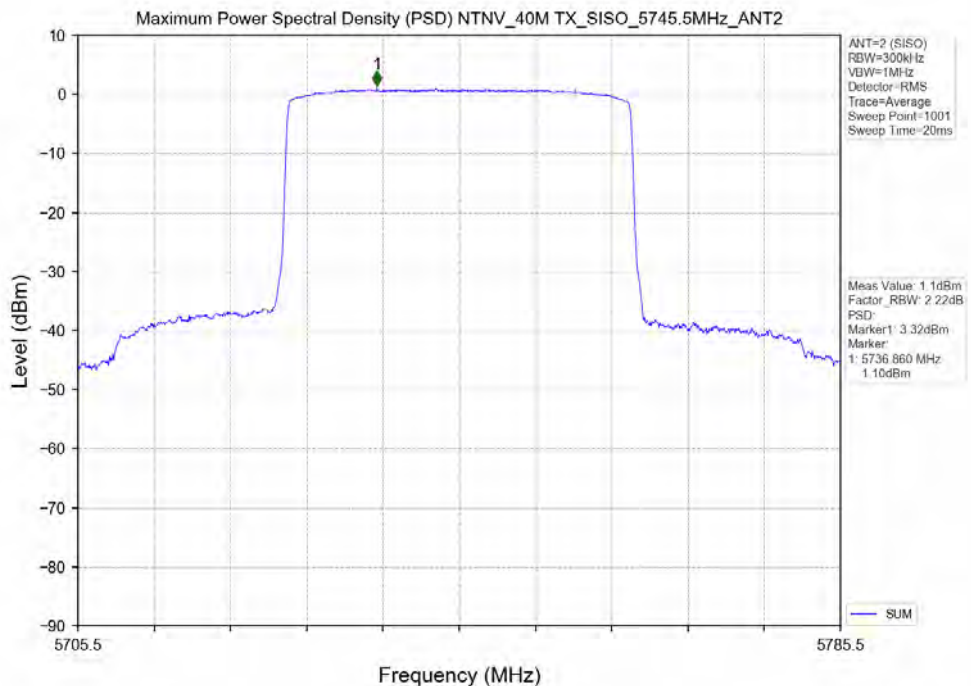
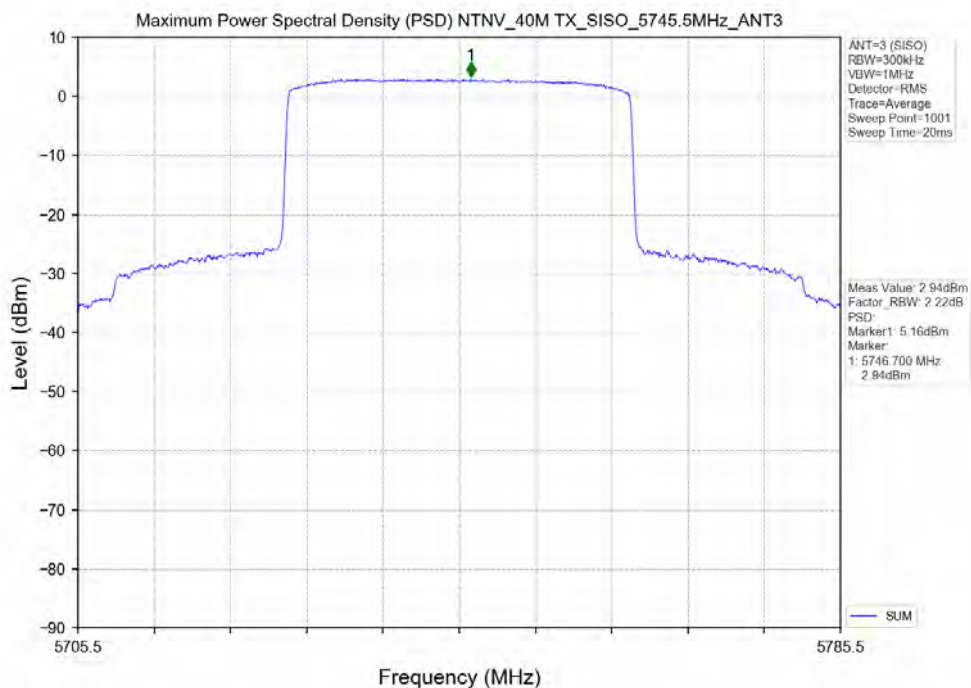


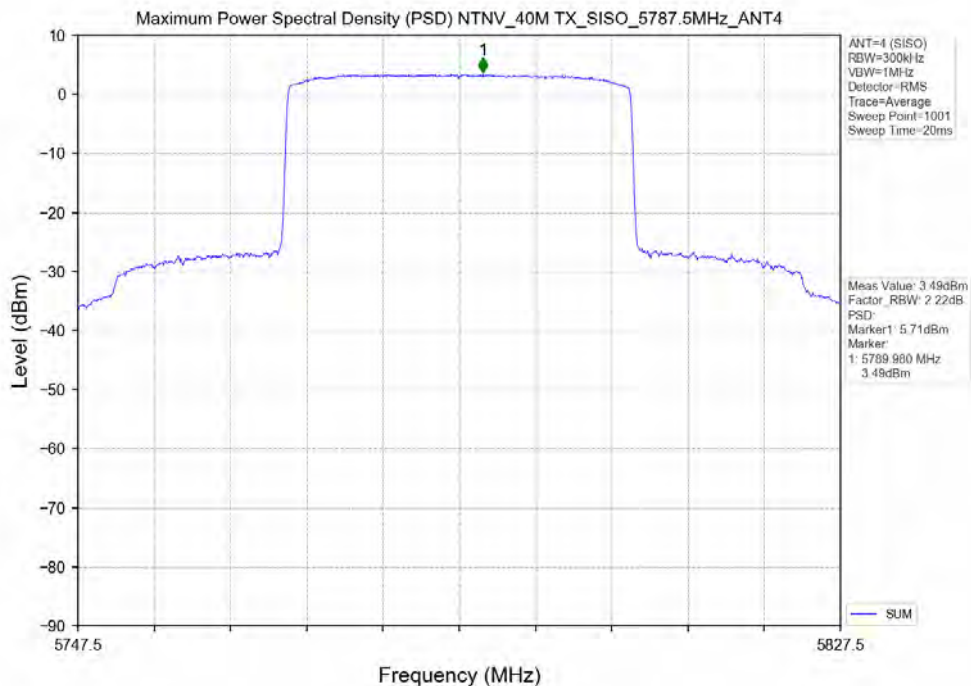
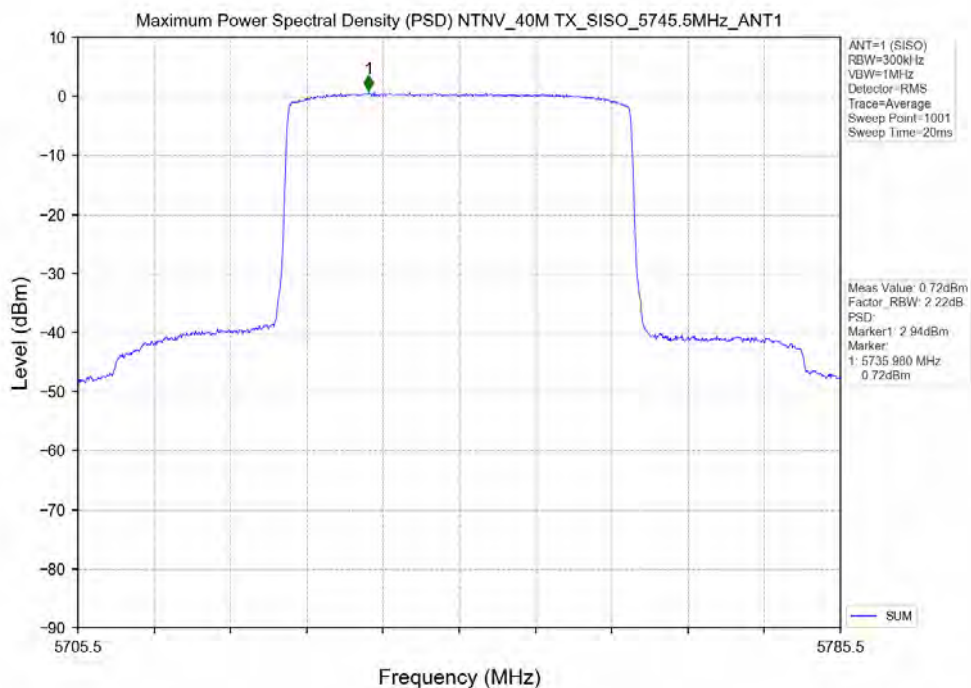


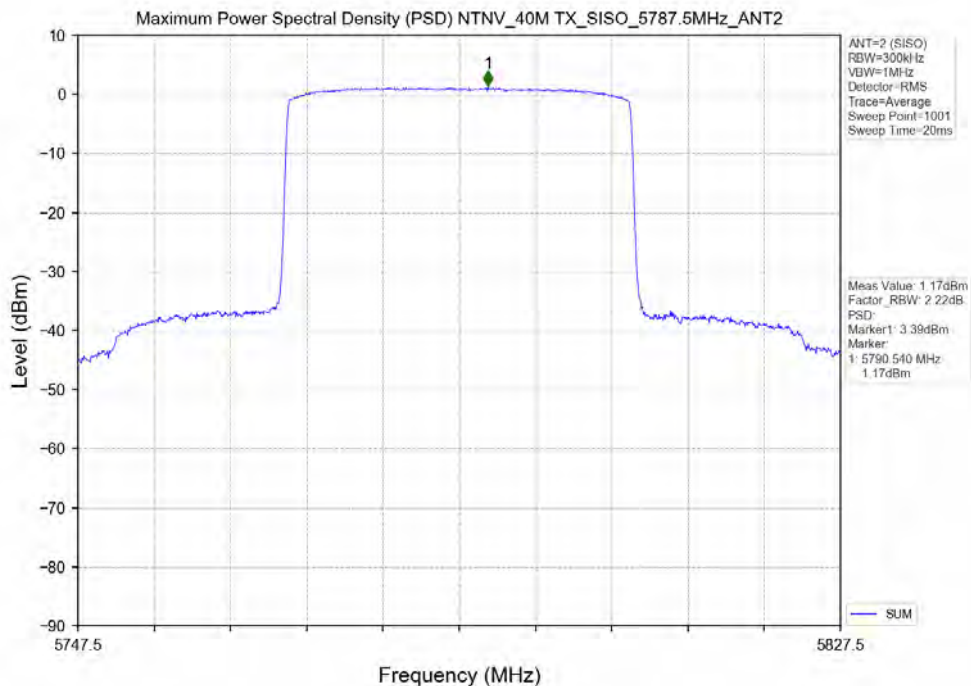
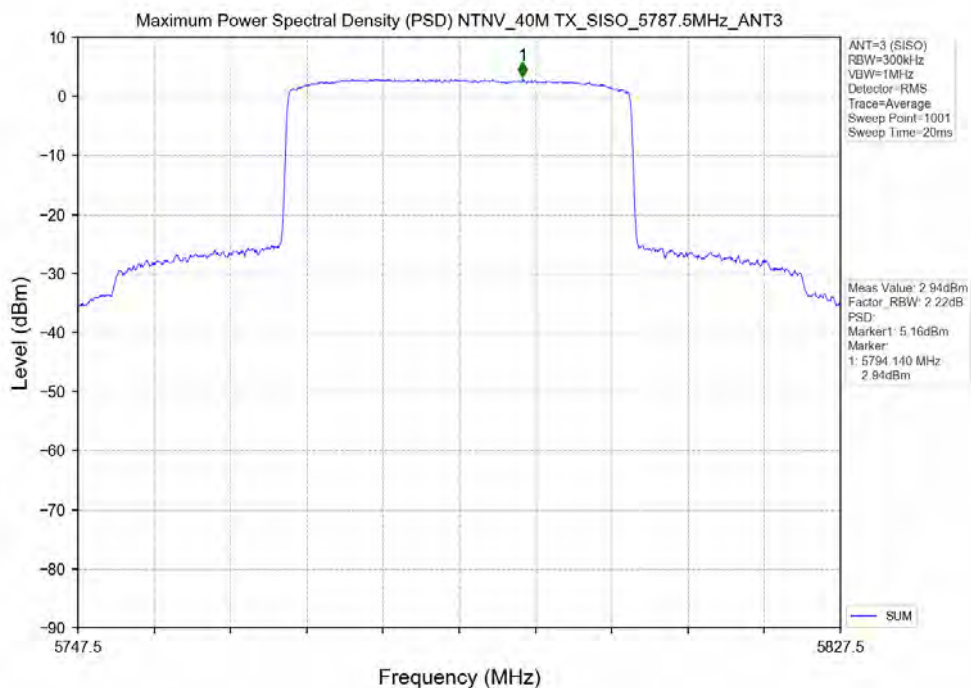


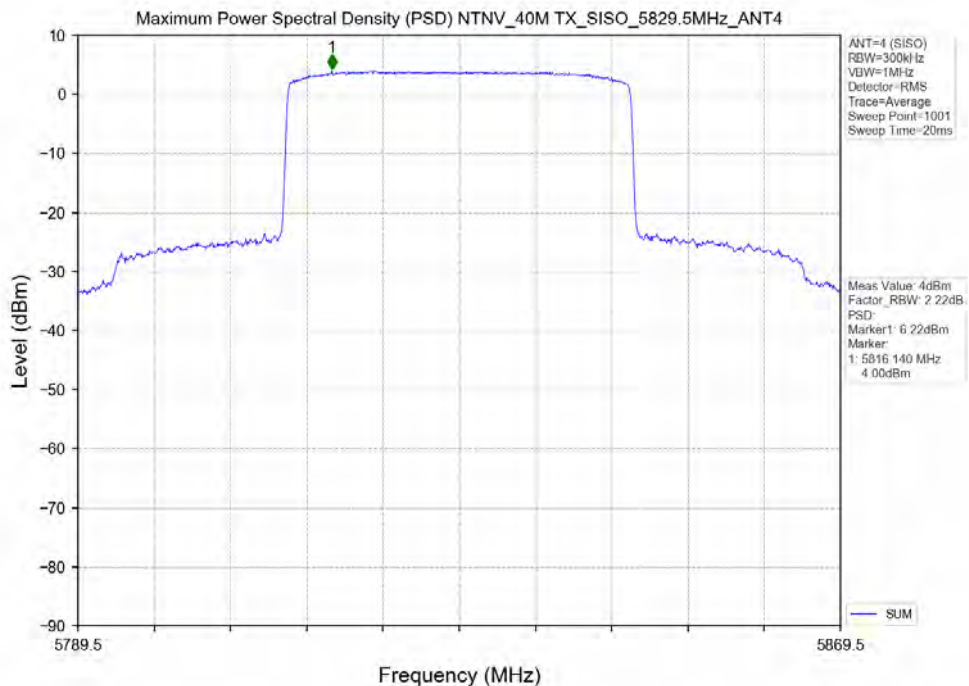
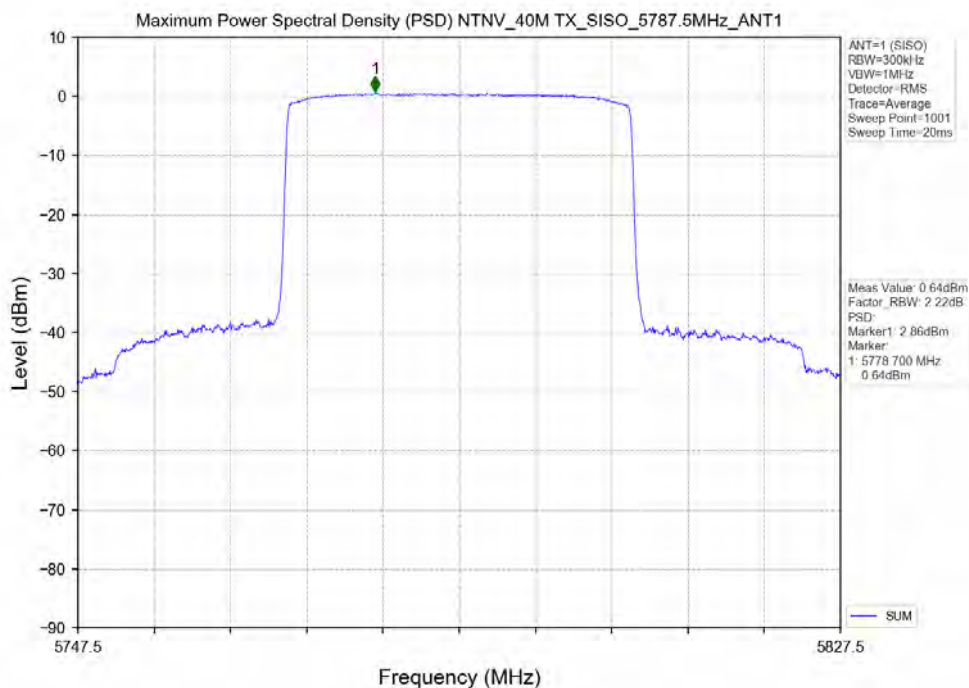


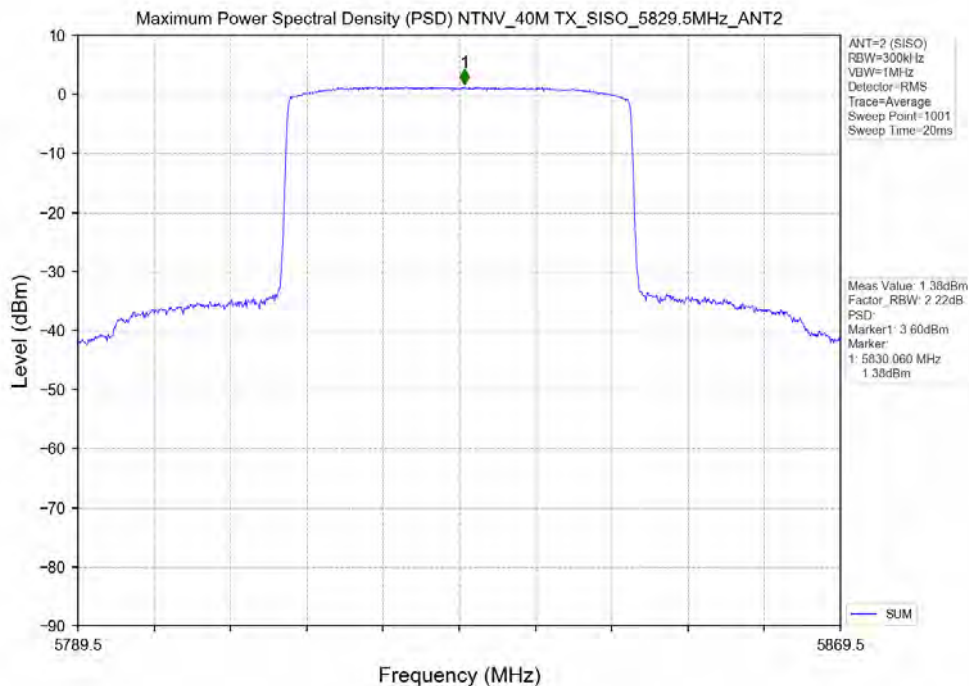
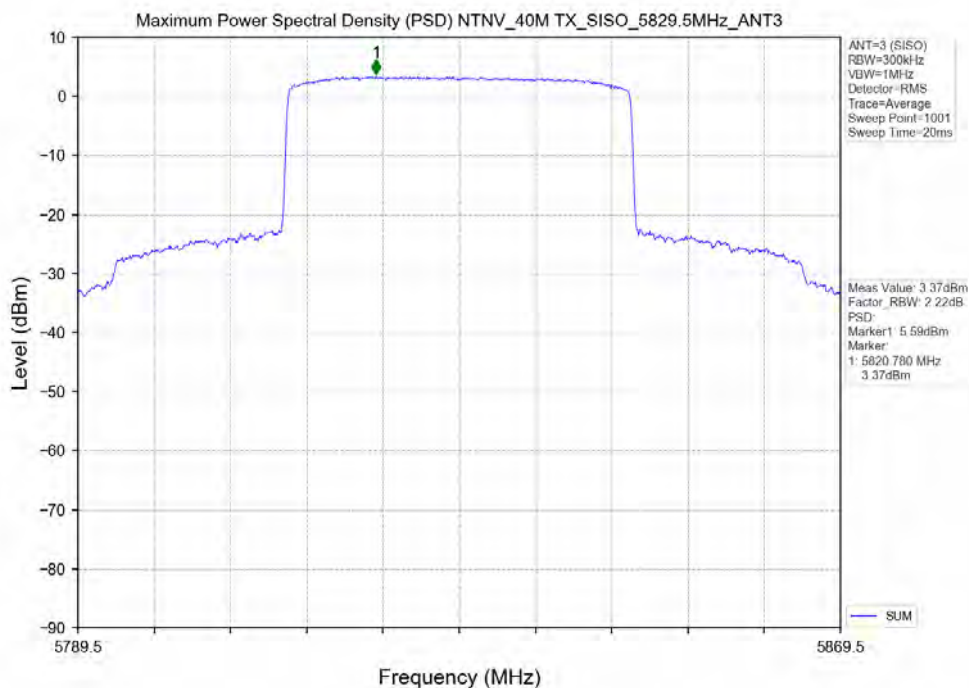


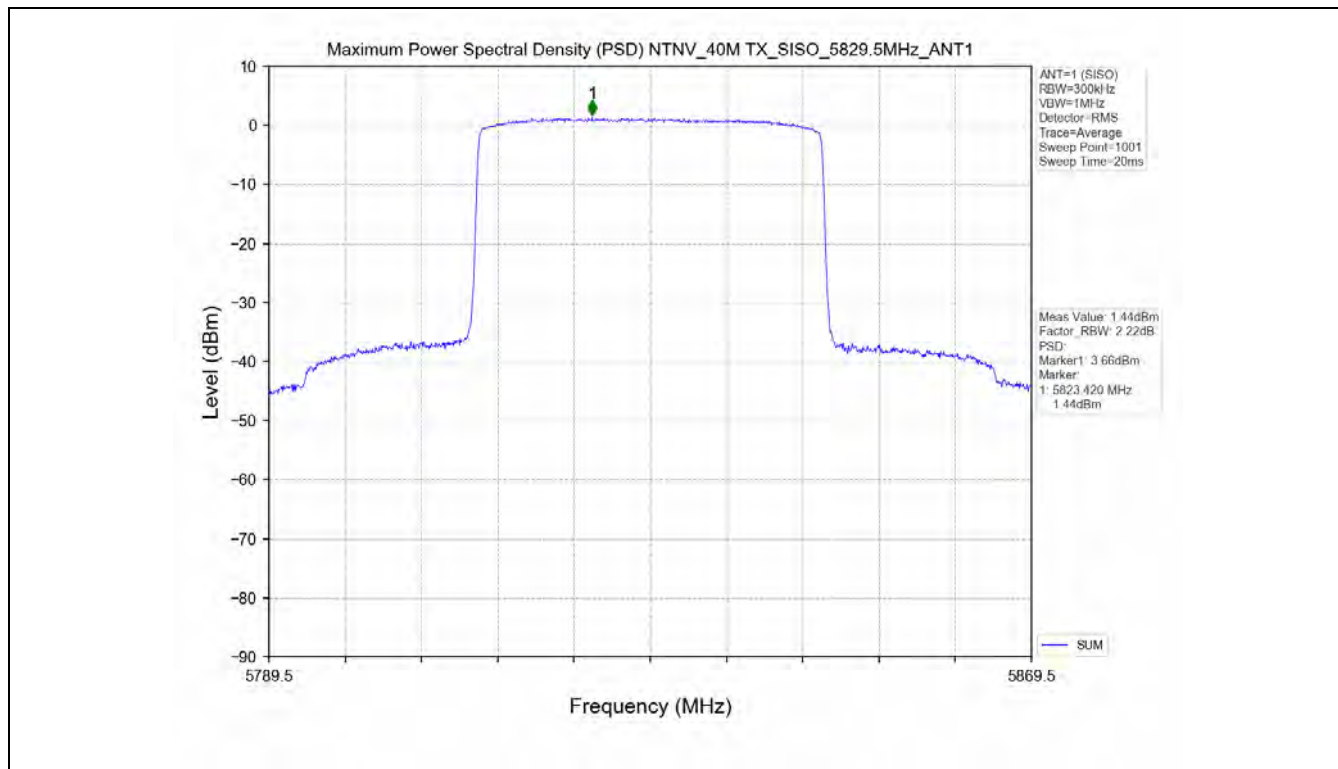












5. Frequency Stability

5.1 Test Result

Test Condition	Test Mode	Test Frequency [MHz]	Ant	Result [ppm]	Limit [ppm]	Verdict
NTVN	10M TX	5730.5	1	-5.24	<=20	PASS
		5787.5	1	3.46	<=20	PASS
		5844.5	1	-1.71	<=20	PASS
	20M TX	5735.5	1	0	<=20	PASS
		5787.5	1	-3.46	<=20	PASS
		5839.5	1	3.42	<=20	PASS
	40M TX	5745.5	1	6.96	<=20	PASS
		5787.5	1	0	<=20	PASS
		5829.5	1	0	<=20	PASS