

Appendix A for SHEM201201014901

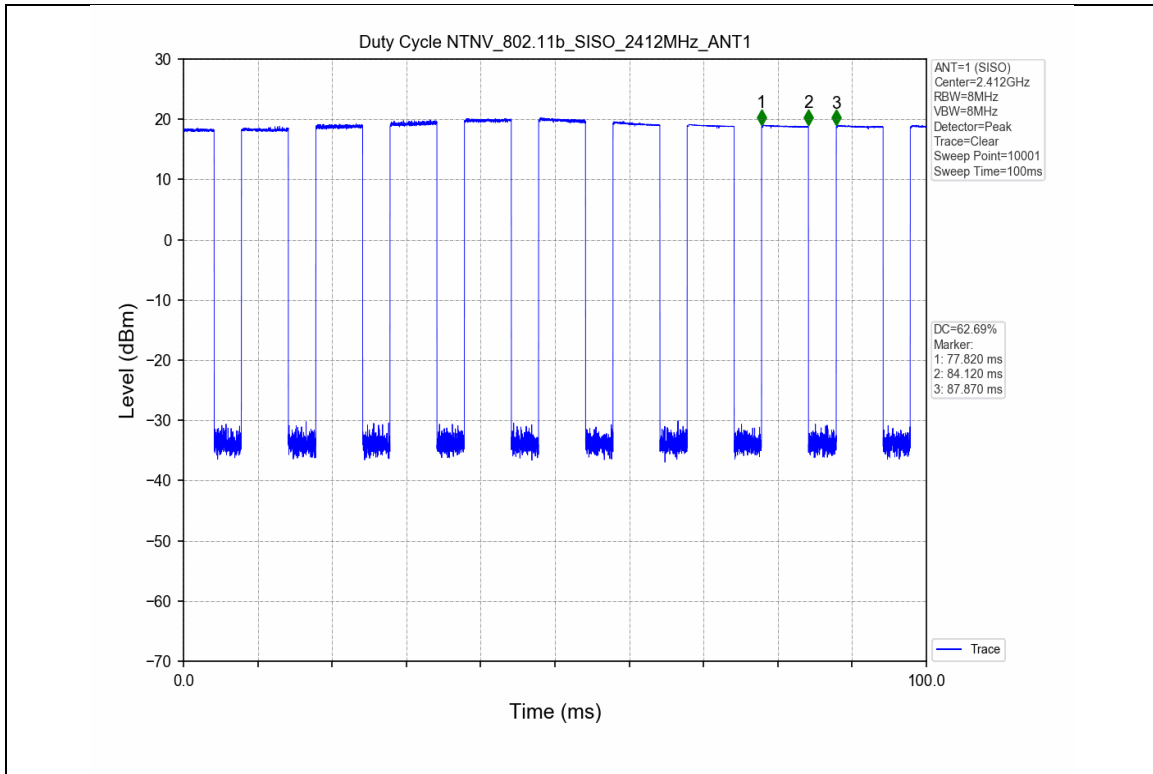
1. Duty Cycle

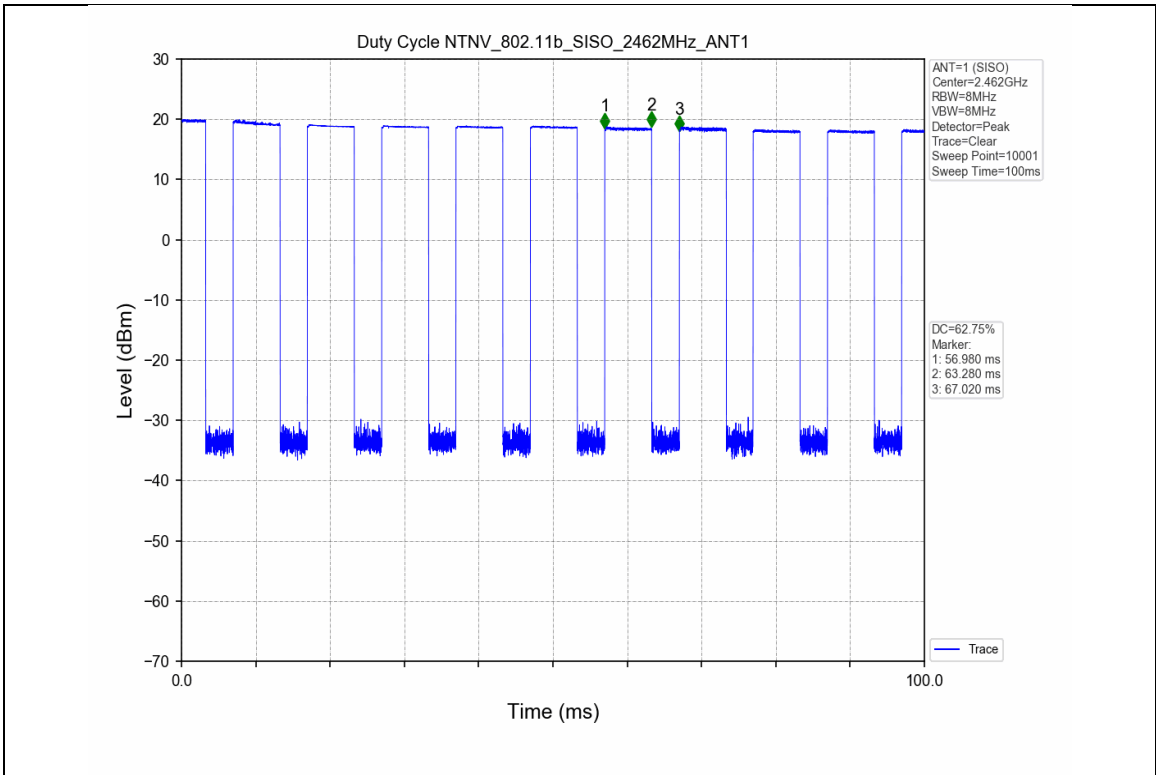
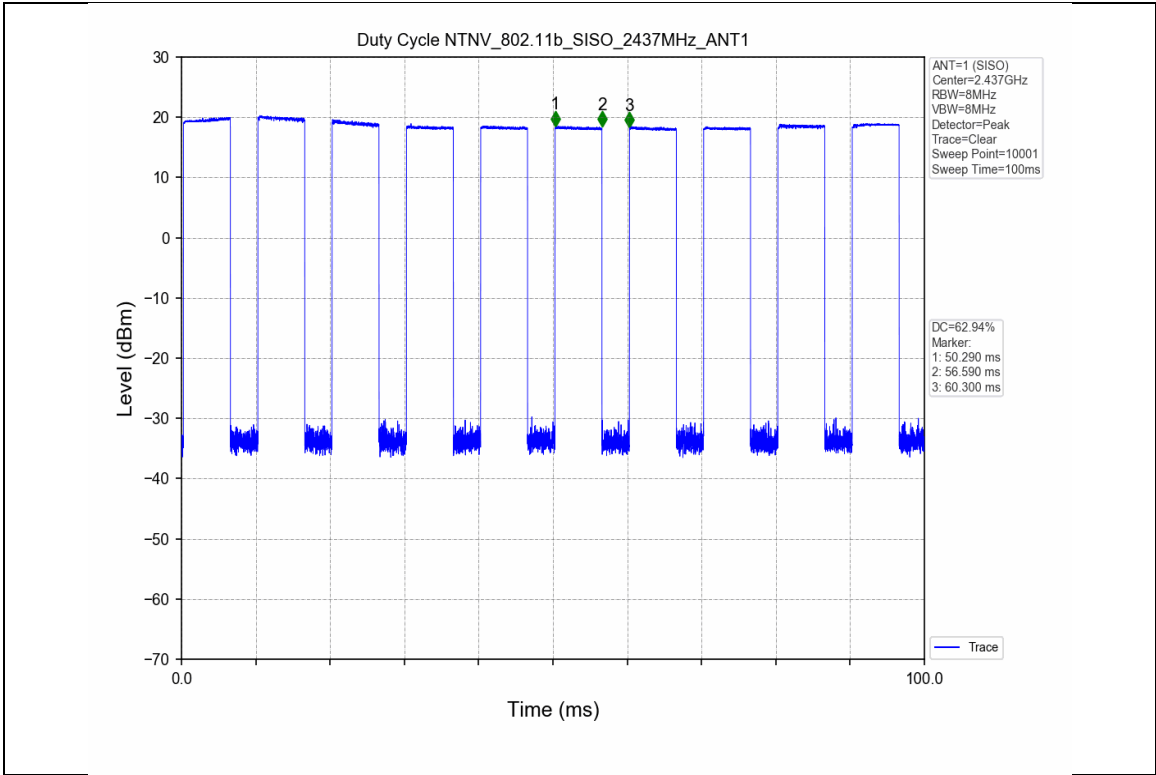
1.1 Test Result

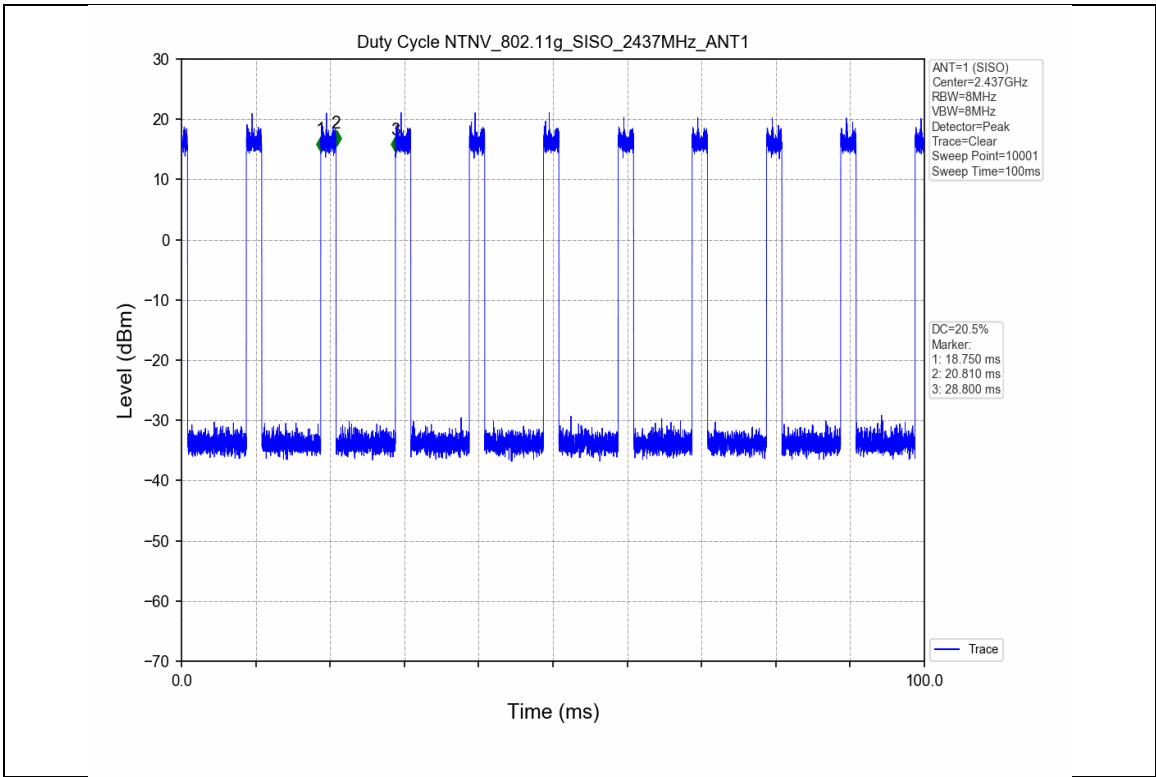
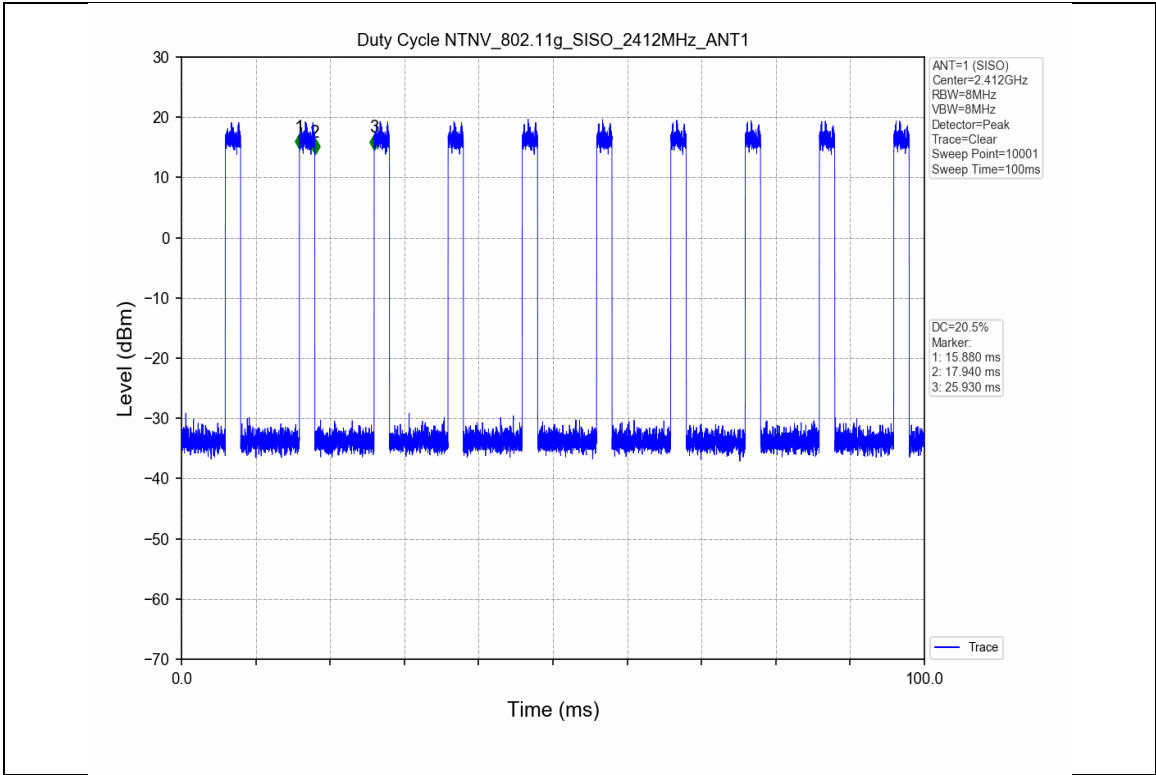
Test Mode	Channel Frequency(MHz)	TX Type	ANT No.	T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)
802.11b	2412	SISO	1	6.300	10.050	62.69	2.03
	2437	SISO	1	6.300	10.010	62.94	2.01
	2462	SISO	1	6.300	10.040	62.75	2.02
802.11g	2412	SISO	1	2.060	10.050	20.50	6.88
	2437	SISO	1	2.060	10.050	20.50	6.88
	2462	SISO	1	2.060	10.080	20.44	6.90
802.11n(HT20)	2412	MIMO	1	1.920	10.050	19.10	7.19
	2437	MIMO	1	1.920	10.020	19.16	7.18
	2462	MIMO	1	1.920	10.020	19.16	7.18
802.11n(HT40)	2422	MIMO	1	0.930	10.080	9.23	10.35
	2437	MIMO	1	0.940	10.050	9.35	10.29
	2452	MIMO	1	0.930	10.590	8.78	10.57

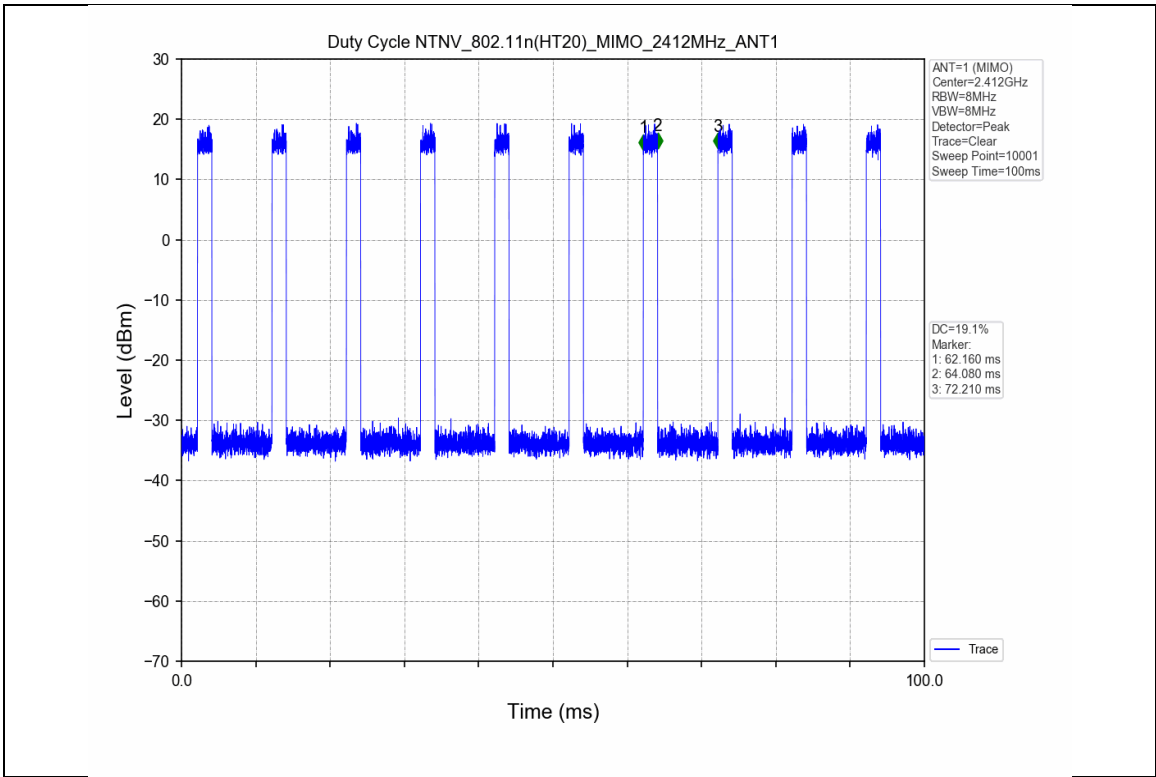
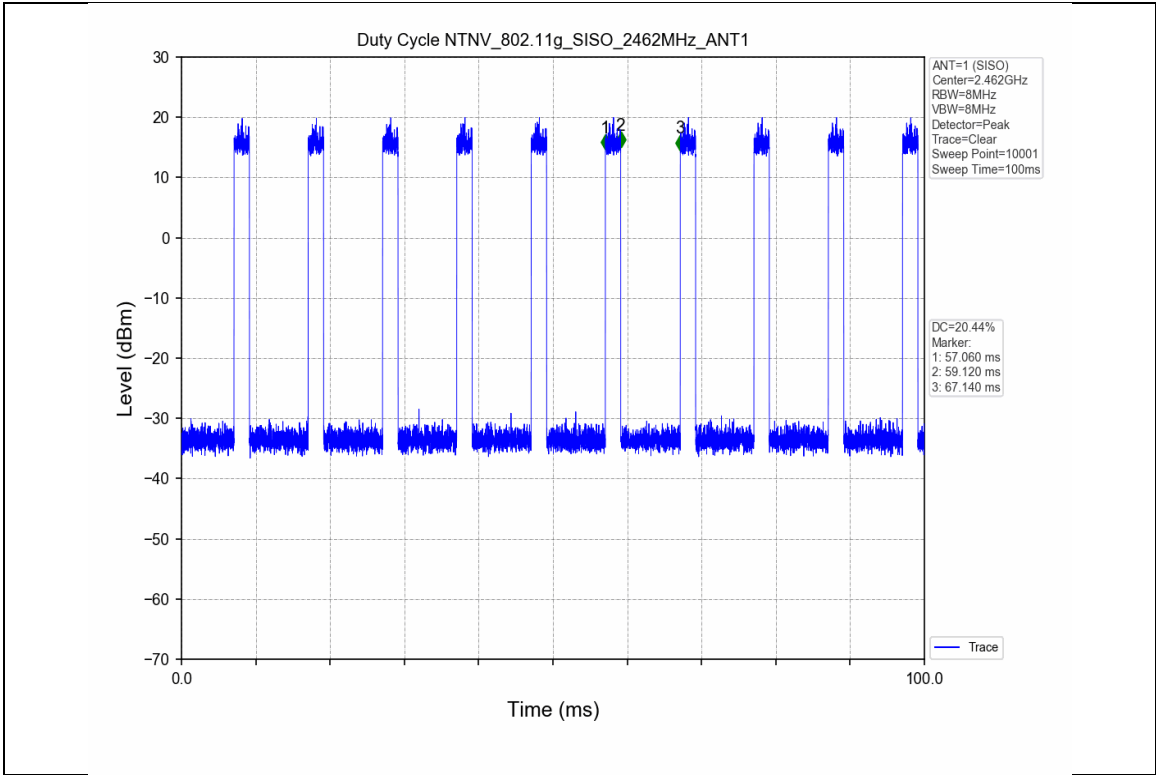
Note: The customer declares that it has reached the maximum duty cycle that the sample can support

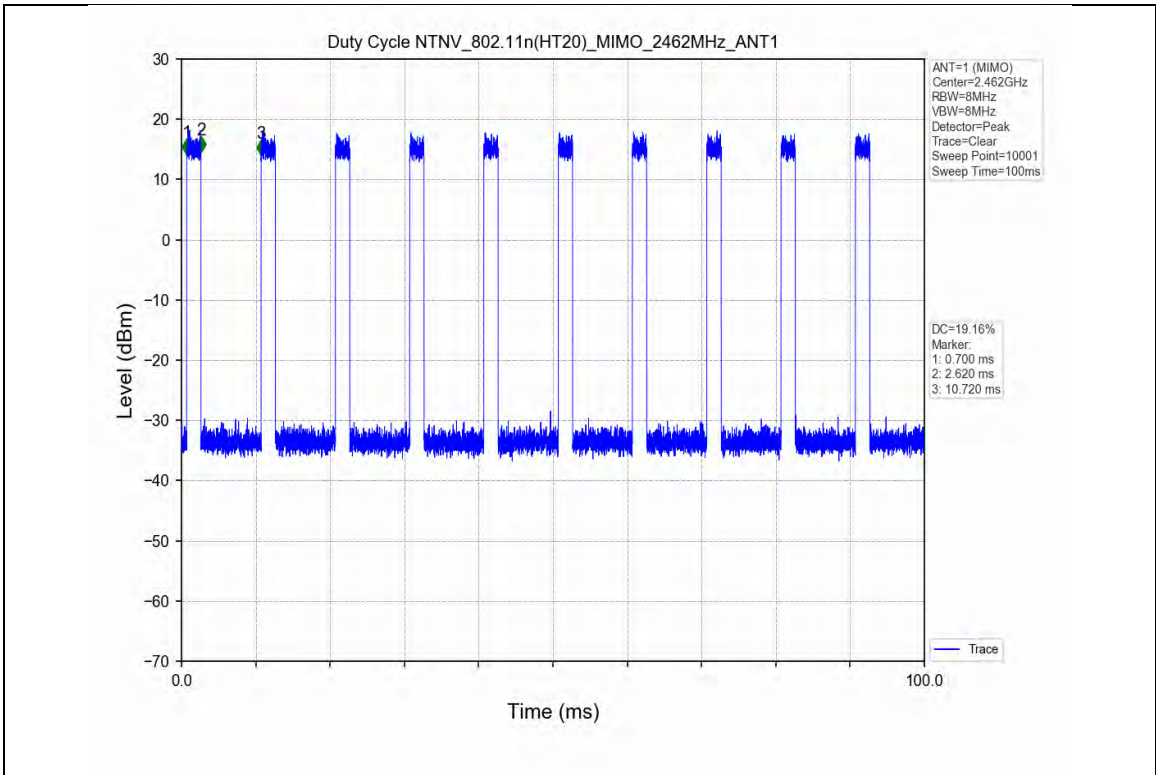
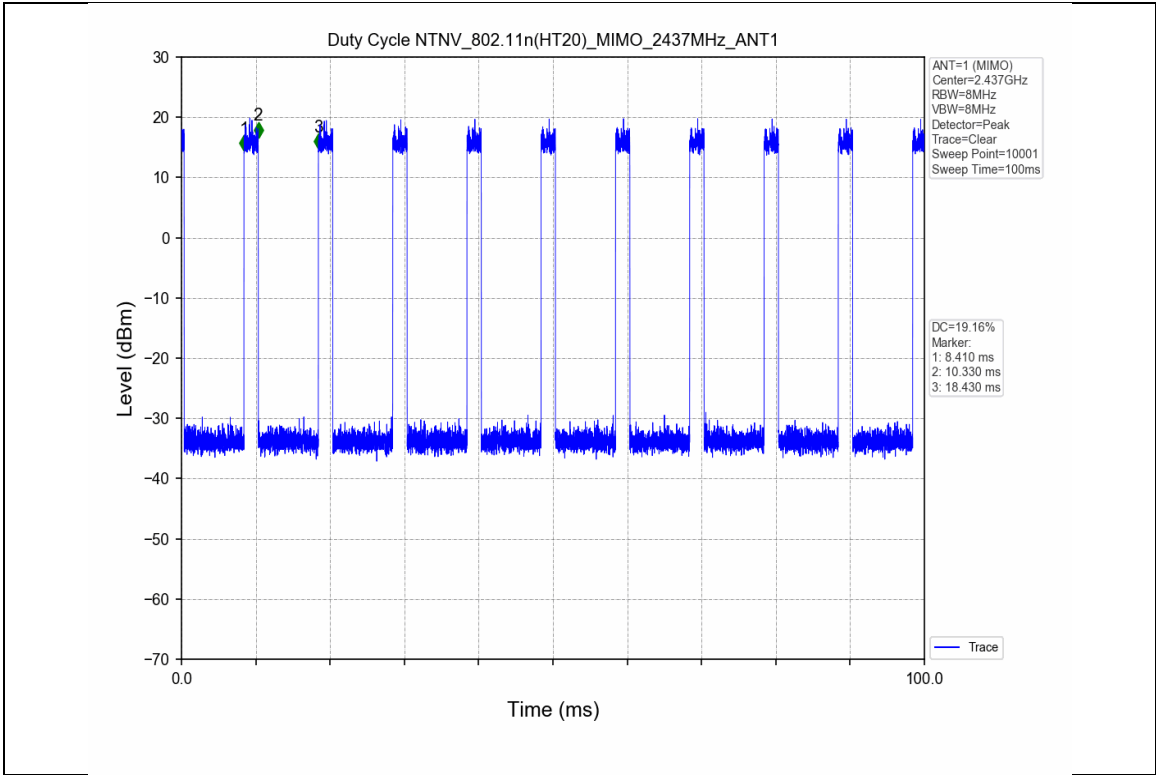
1.2 Test Graph

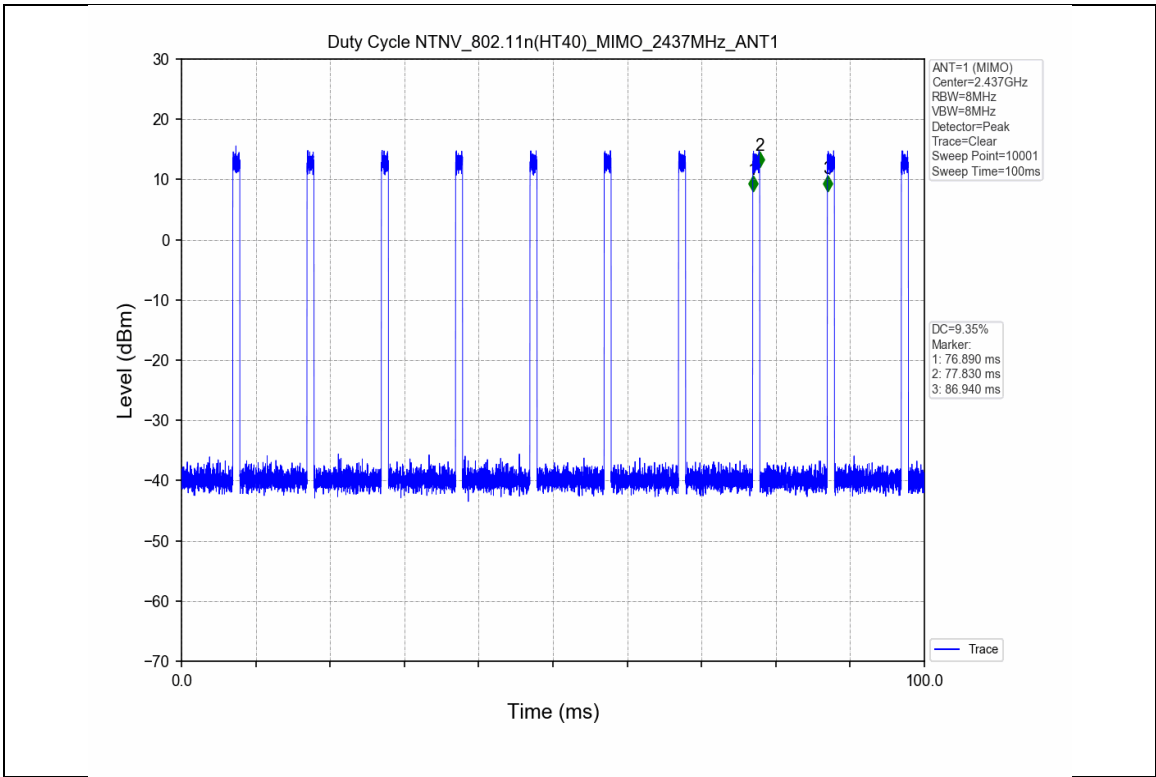
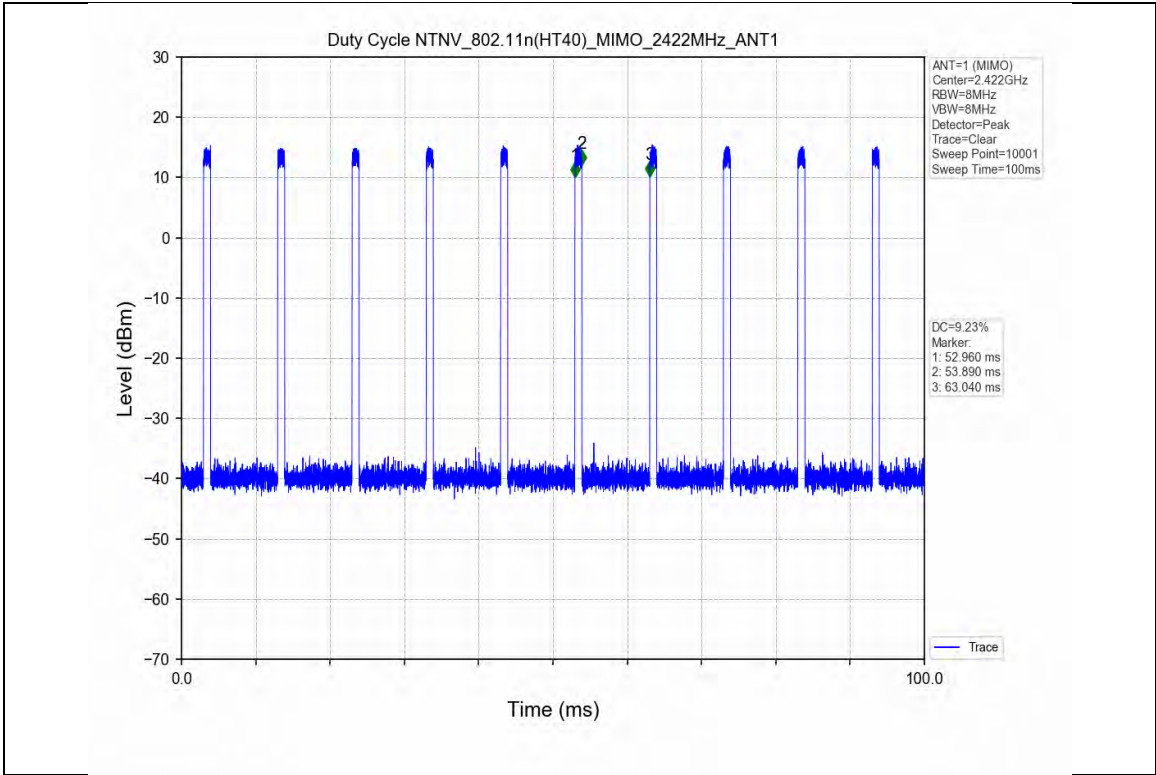


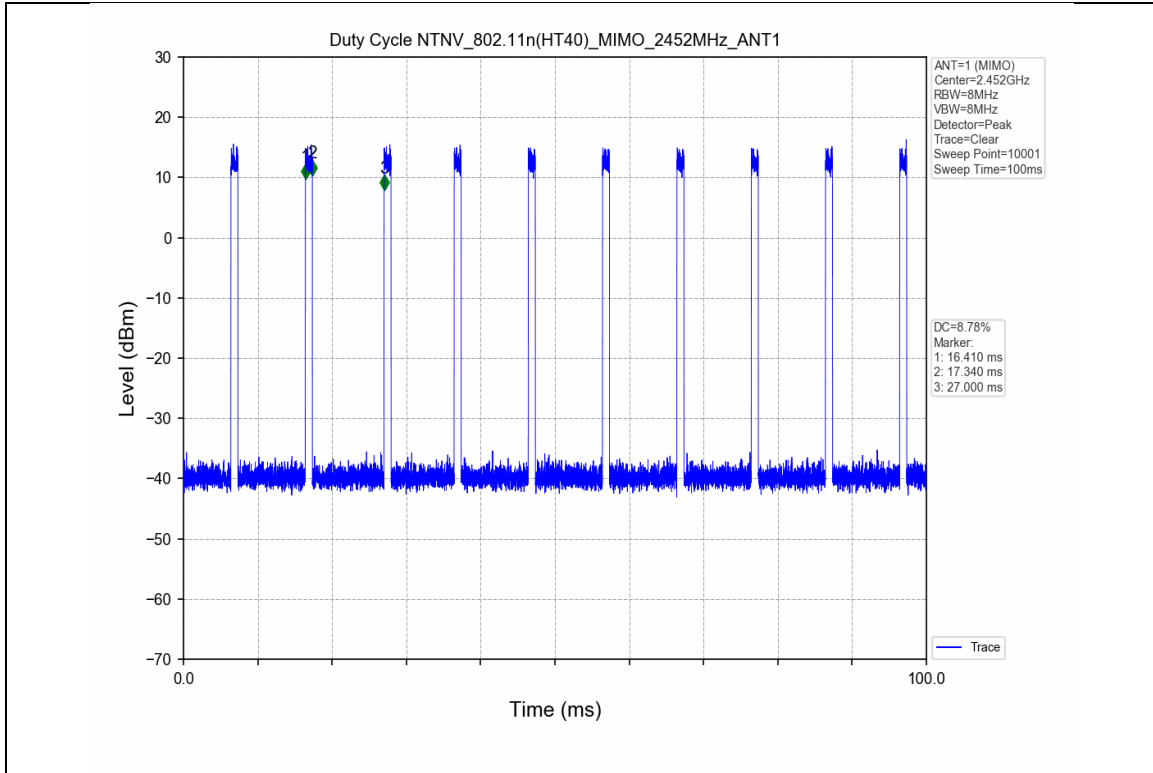












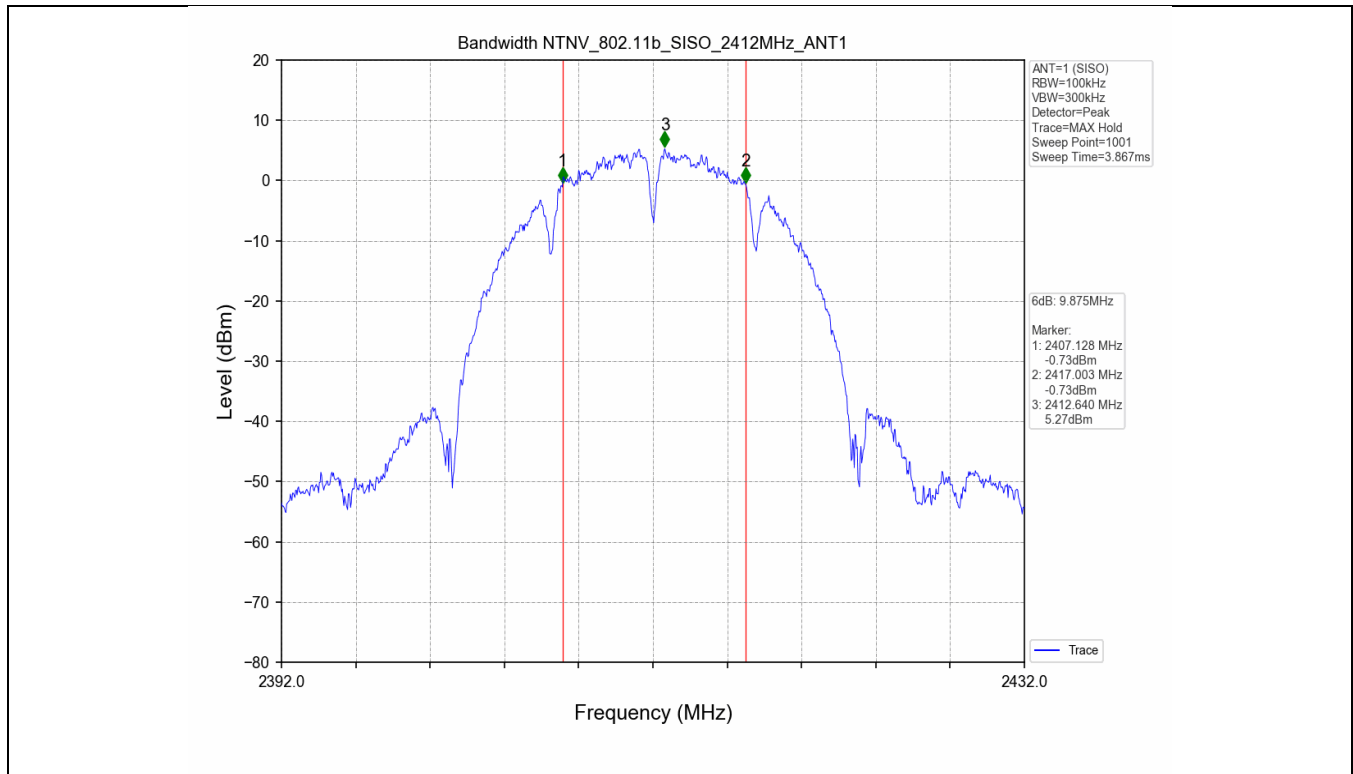
2. Bandwidth

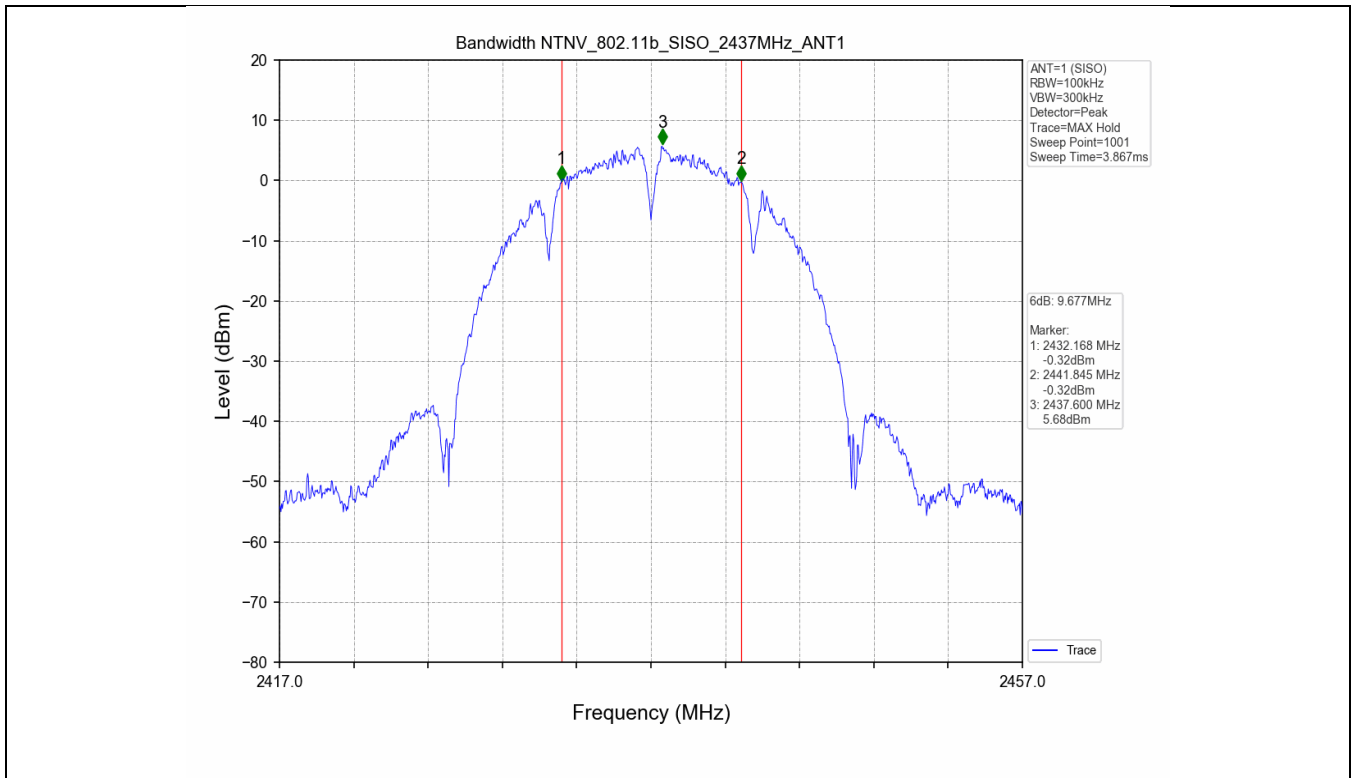
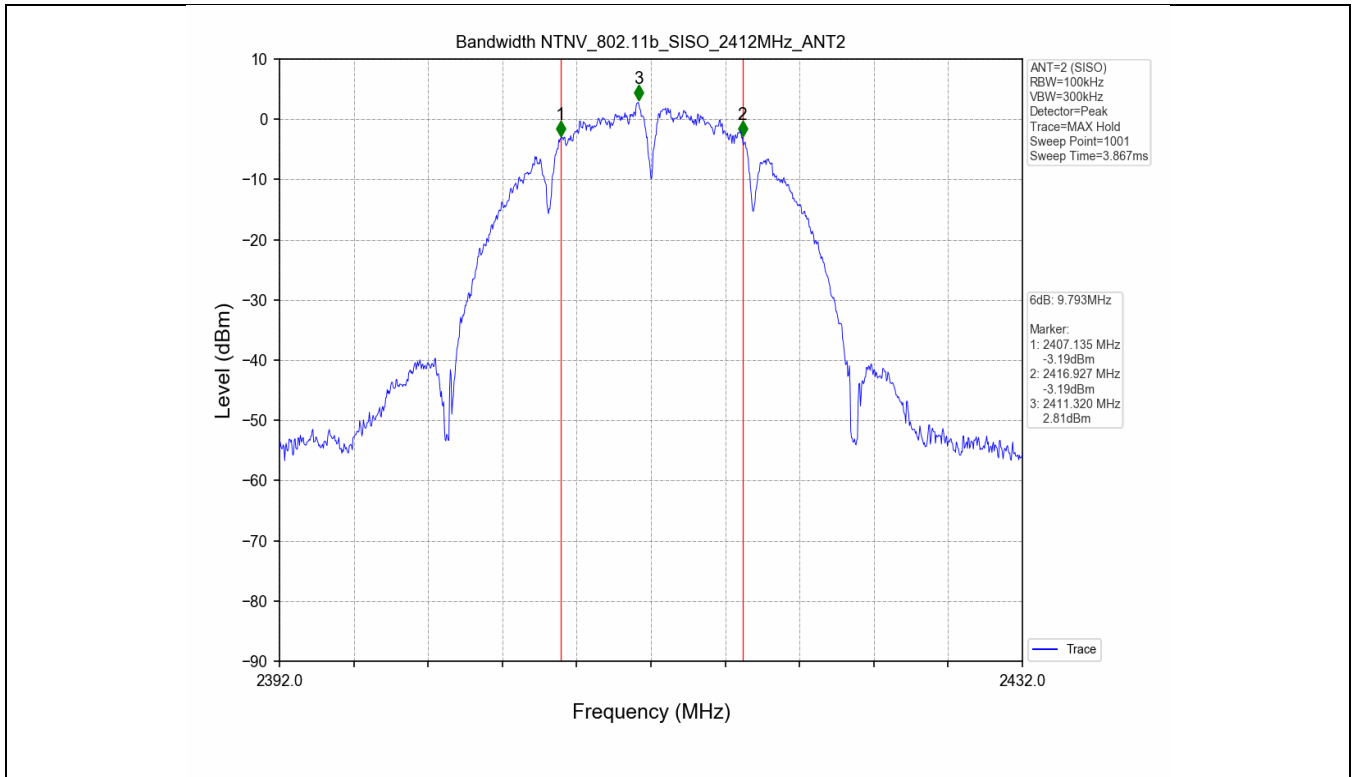
2.1 Test Result

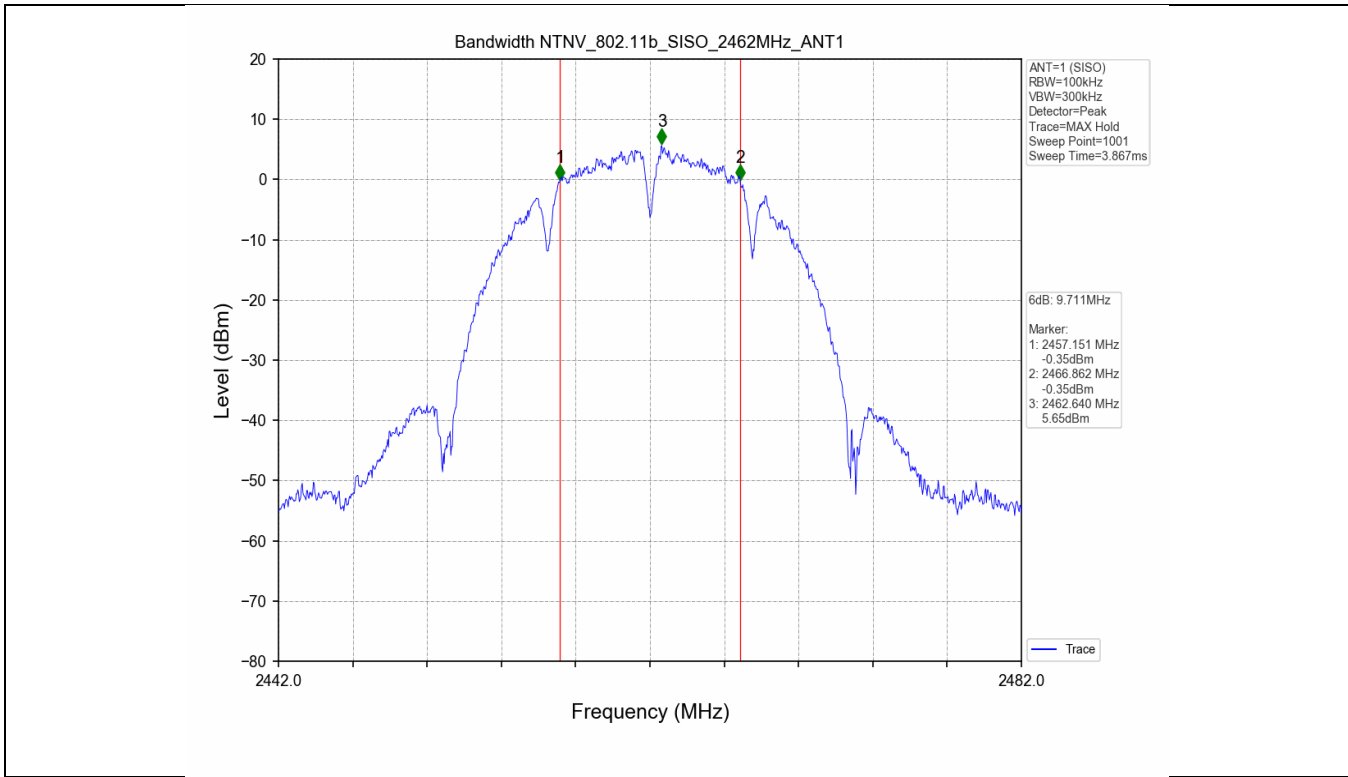
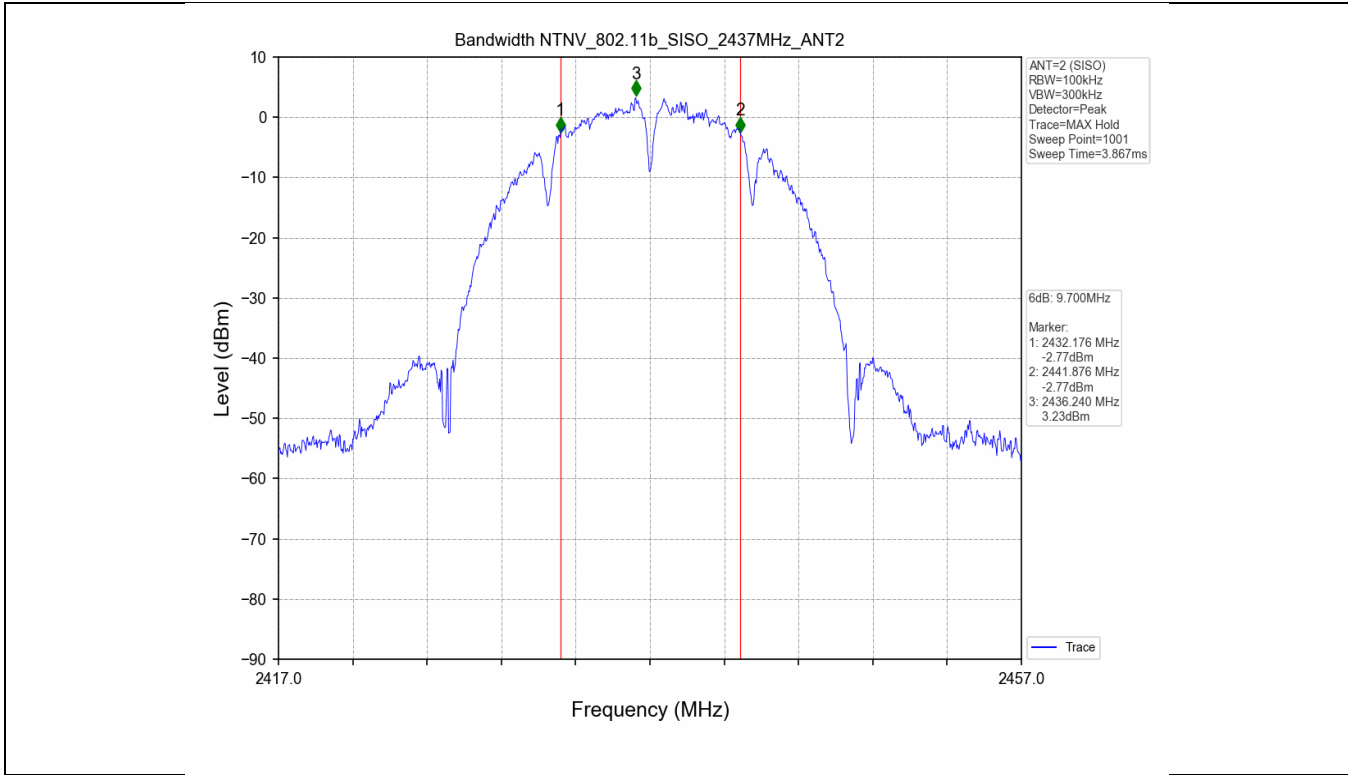
Test Mode	Frequency (MHz)	TX Type	ANT No.	6dB Bandwidth		Verdict
				Test Result (MHz)	Limits (MHz)	
802.11b	2412	SISO	1	9.875	≥0.5	PASS
			2	9.793	≥0.5	PASS
	2437	SISO	1	9.677	≥0.5	PASS
			2	9.700	≥0.5	PASS
2462	SISO	1	9.711	≥0.5	PASS	
		2	9.902	≥0.5	PASS	
802.11g	2412	SISO	1	16.361	≥0.5	PASS
			2	16.440	≥0.5	PASS
	2437	SISO	1	16.415	≥0.5	PASS
			2	16.424	≥0.5	PASS
2462	SISO	1	16.370	≥0.5	PASS	
		2	16.413	≥0.5	PASS	
802.11n(HT20)	2412	MIMO	1	17.369	≥0.5	PASS
			2	17.390	≥0.5	PASS
	2437	MIMO	1	17.333	≥0.5	PASS
			2	17.615	≥0.5	PASS
2462	MIMO	1	17.544	≥0.5	PASS	
		2	17.363	≥0.5	PASS	
802.11n(HT40)	2422	MIMO	1	35.523	≥0.5	PASS
			2	35.143	≥0.5	PASS
	2437	MIMO	1	35.592	≥0.5	PASS
			2	35.414	≥0.5	PASS
2452	MIMO	1	35.589	≥0.5	PASS	
		2	35.709	≥0.5	PASS	

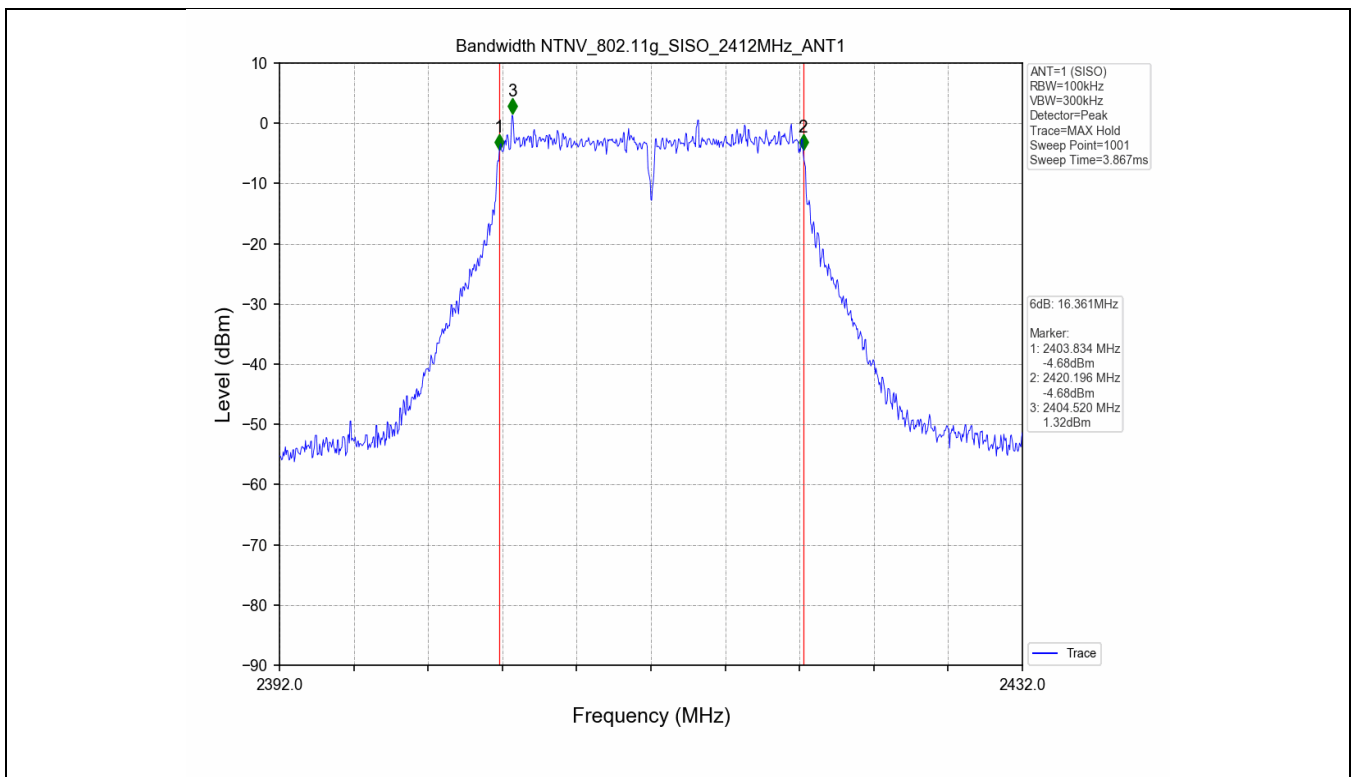
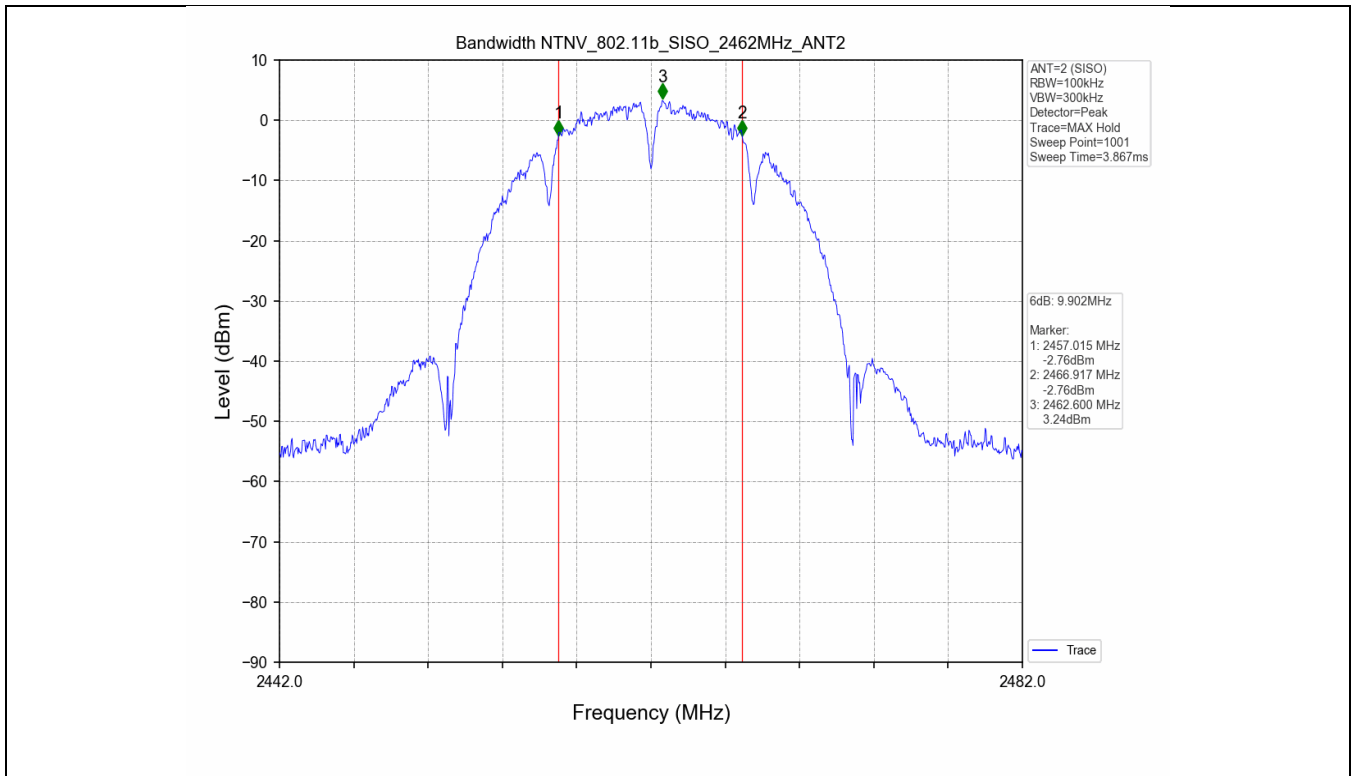
Test Mode	Frequency (MHz)	TX Type	ANT No.	99% Occupied Bandwidth	
				Test Result (MHz)	
802.11b	2412	SISO	1	14.889	Only for Report Use
			2	14.957	Only for Report Use
	2437	SISO	1	14.892	Only for Report Use
			2	14.913	Only for Report Use
	2462	SISO	1	14.908	Only for Report Use
			2	14.897	Only for Report Use
802.11g	2412	SISO	1	16.744	Only for Report Use
			2	16.829	Only for Report Use
	2437	SISO	1	16.849	Only for Report Use
			2	16.785	Only for Report Use
	2462	SISO	1	16.792	Only for Report Use
			2	16.763	Only for Report Use
802.11n(HT20)	2412	MIMO	1	17.784	Only for Report Use
			2	17.820	Only for Report Use
	2437	MIMO	1	17.772	Only for Report Use
			2	17.796	Only for Report Use
	2462	MIMO	1	17.769	Only for Report Use
			2	17.764	Only for Report Use
802.11n(HT40)	2422	MIMO	1	36.053	Only for Report Use
			2	36.159	Only for Report Use
	2437	MIMO	1	36.151	Only for Report Use
			2	36.132	Only for Report Use
	2452	MIMO	1	36.113	Only for Report Use
			2	36.083	Only for Report Use

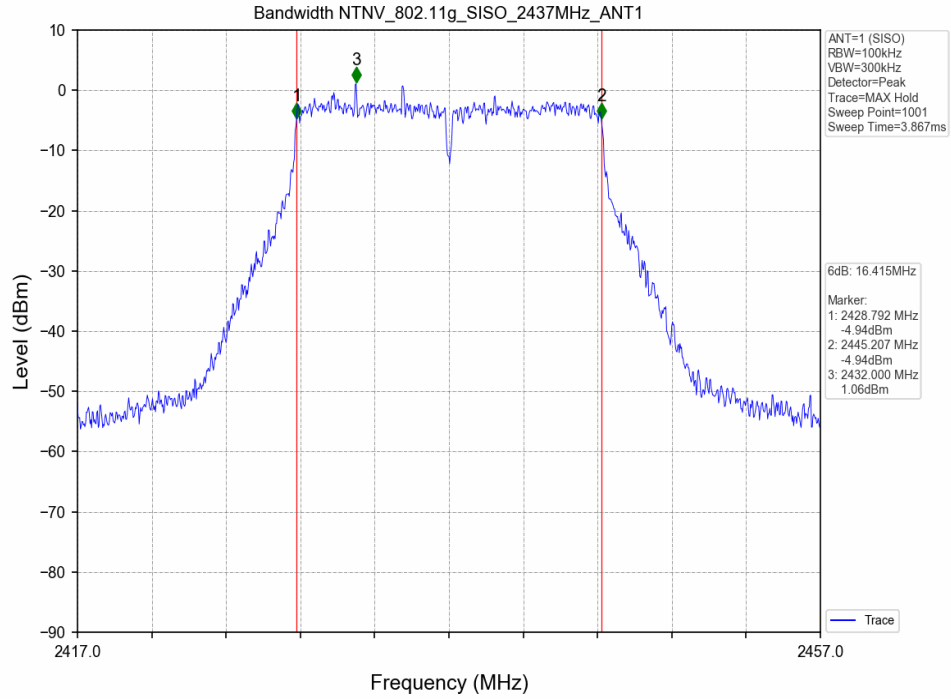
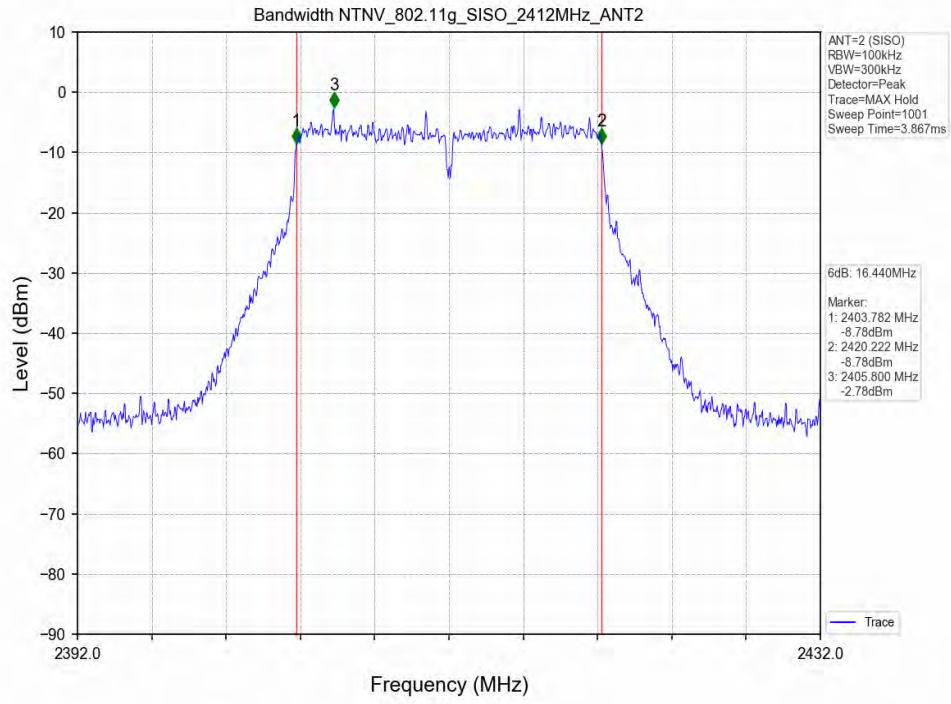
2.2 Test Graph - 6dB Bandwidth

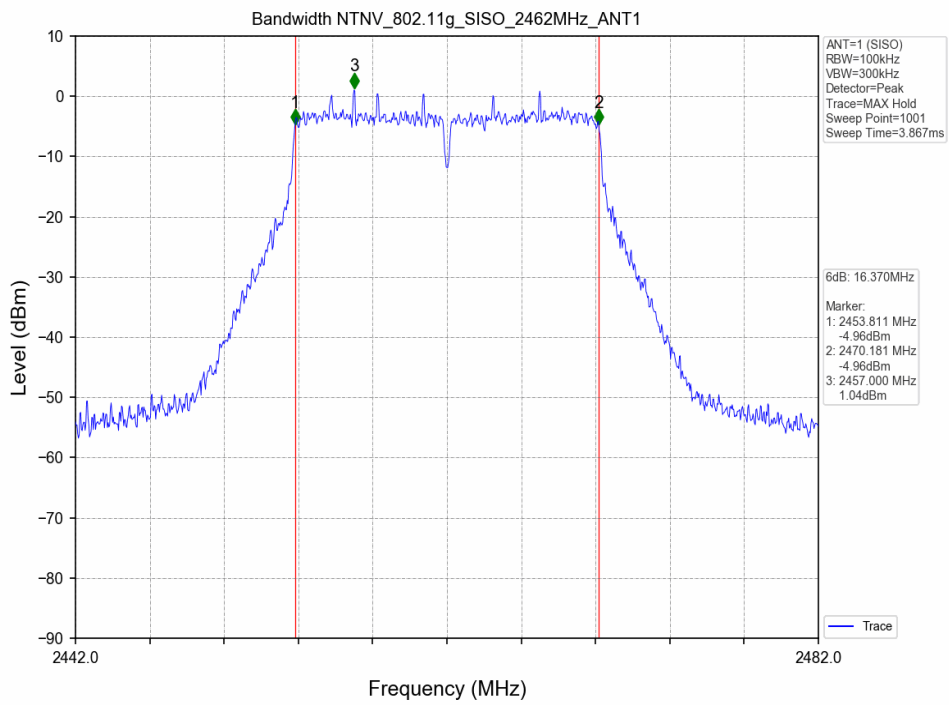
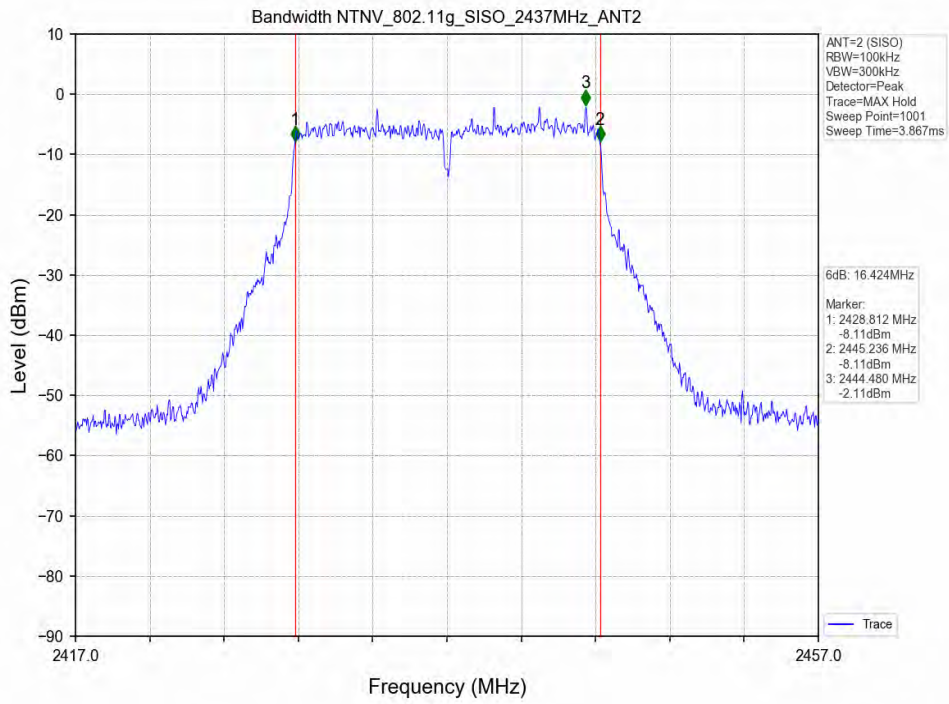


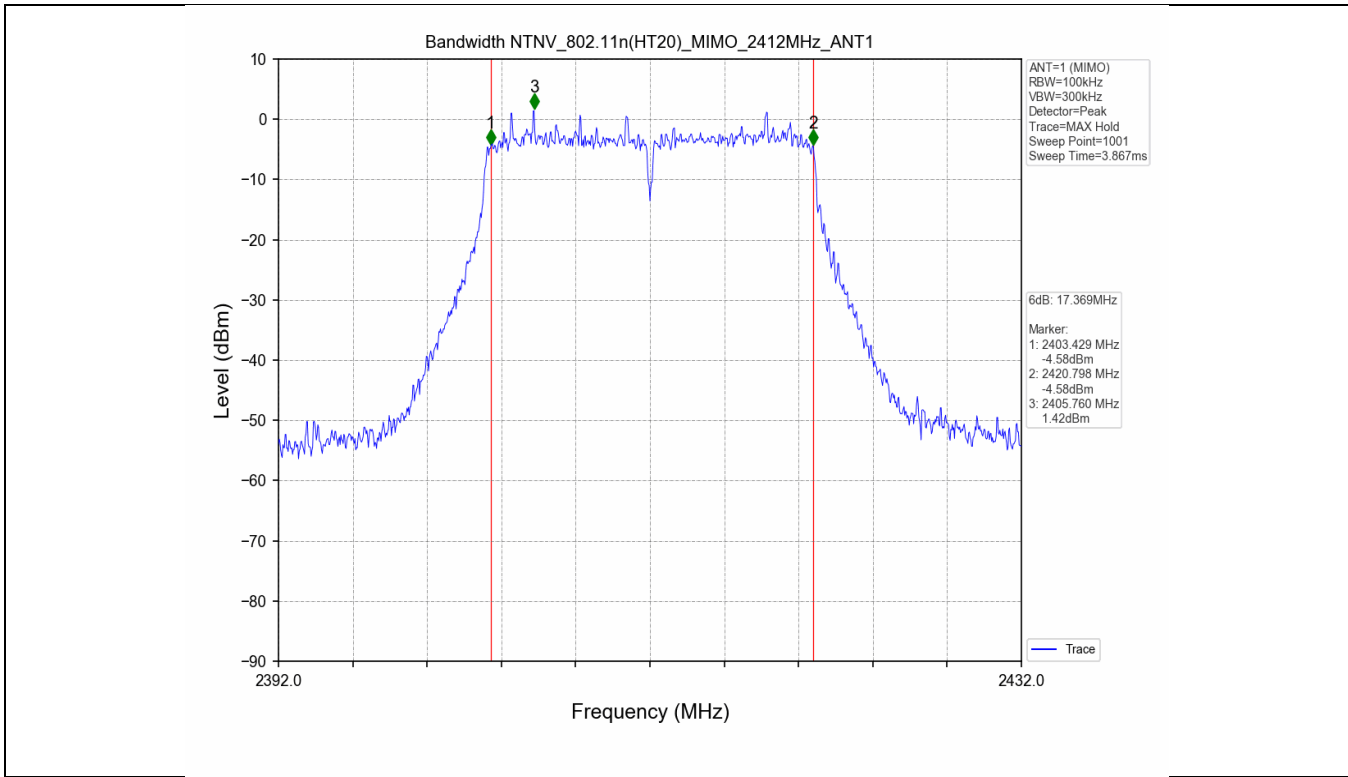
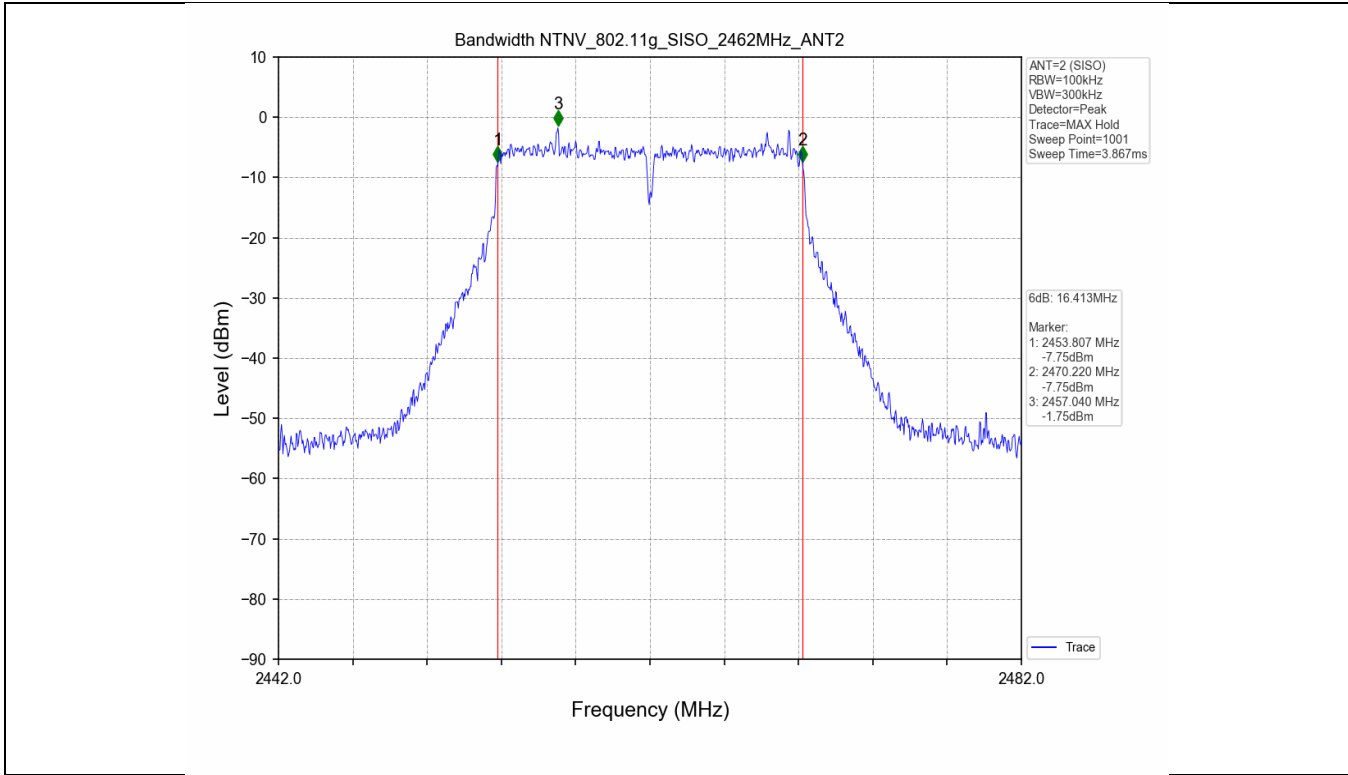


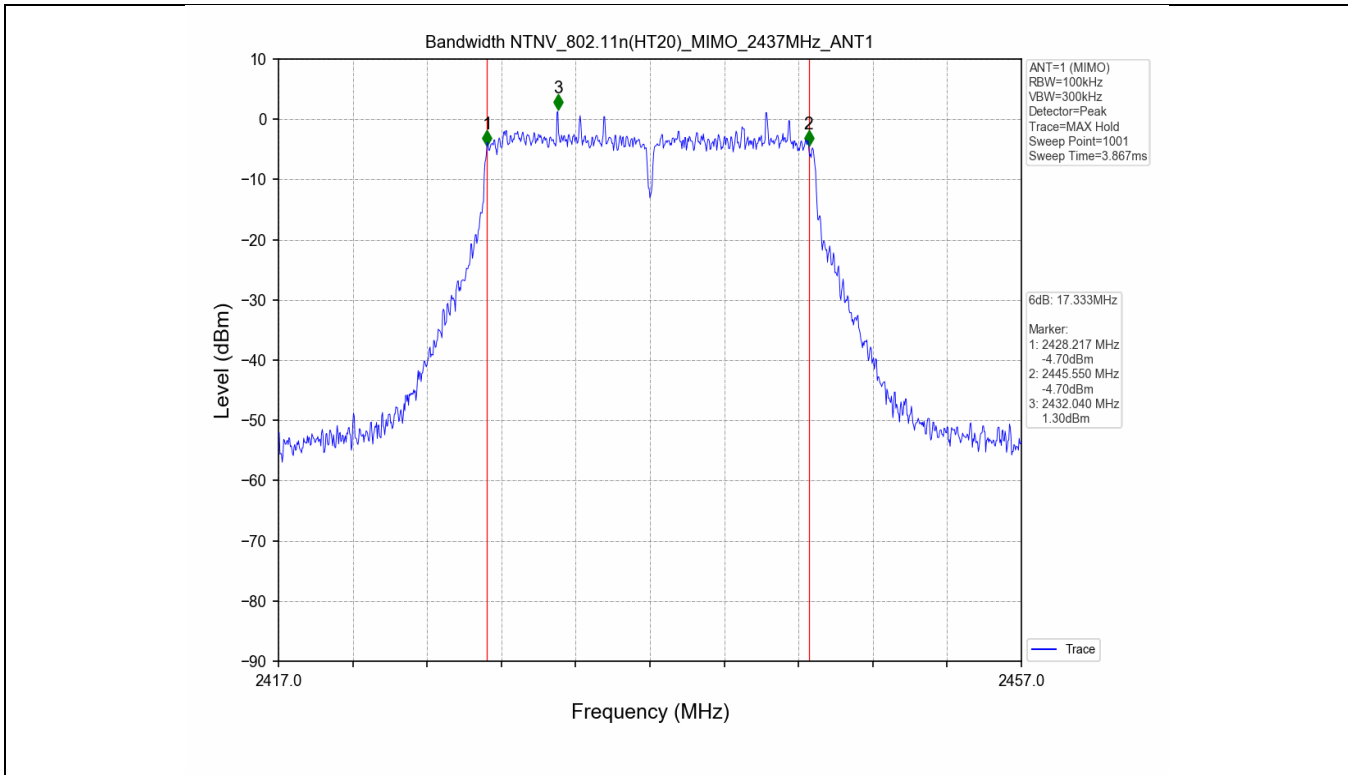
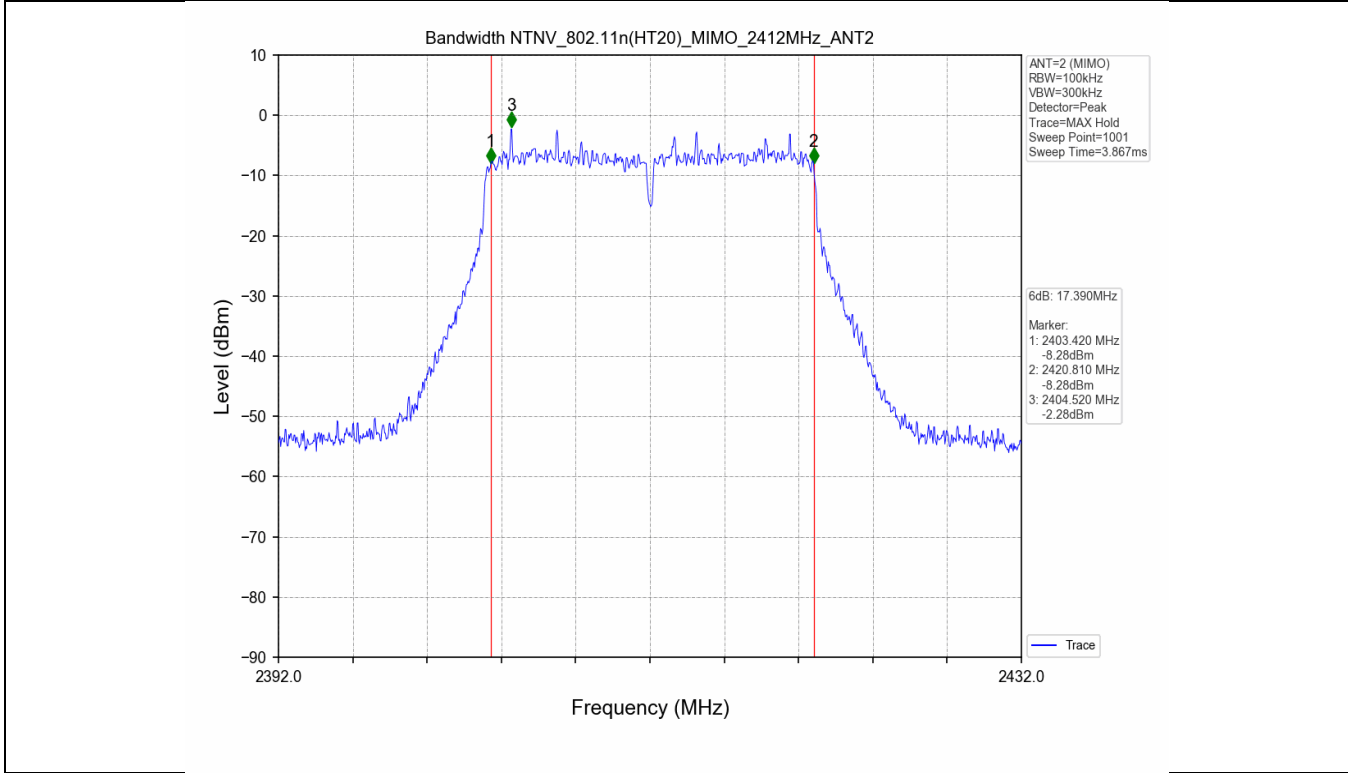


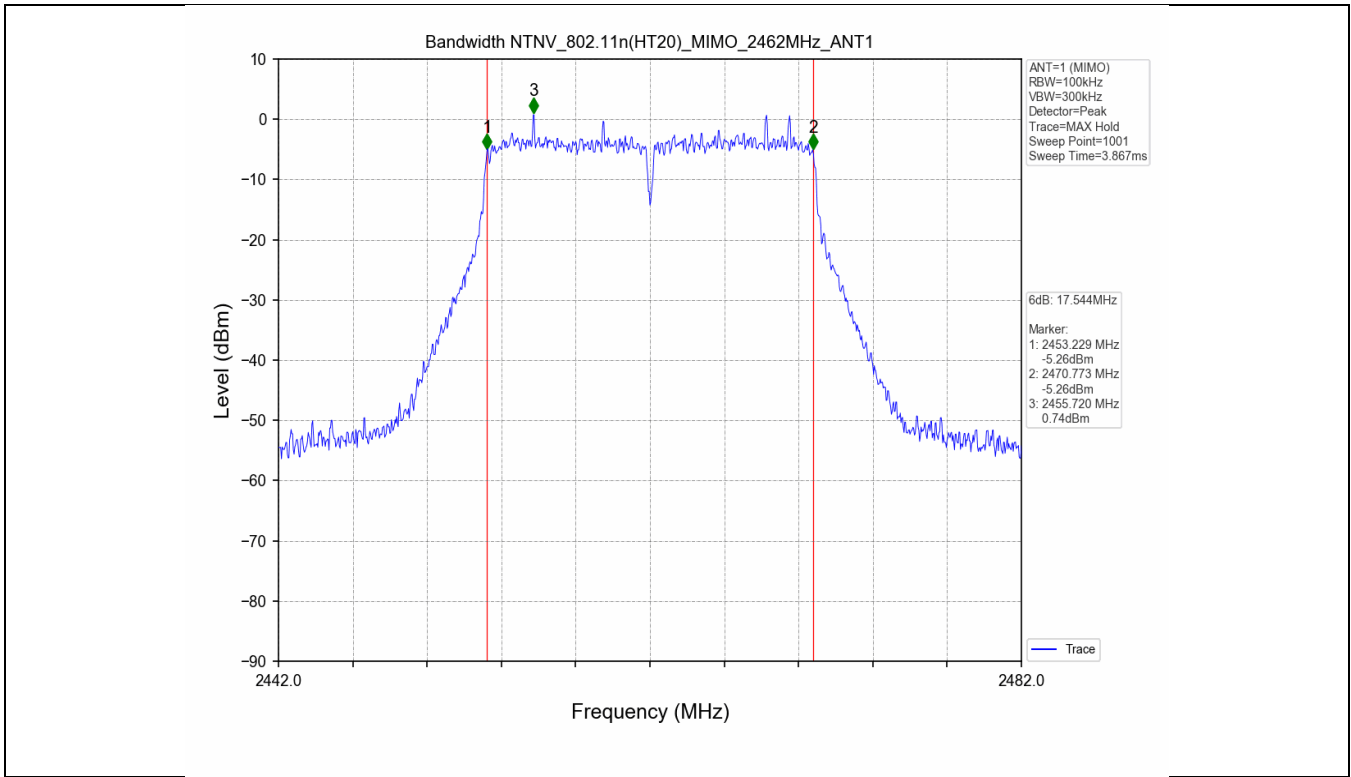
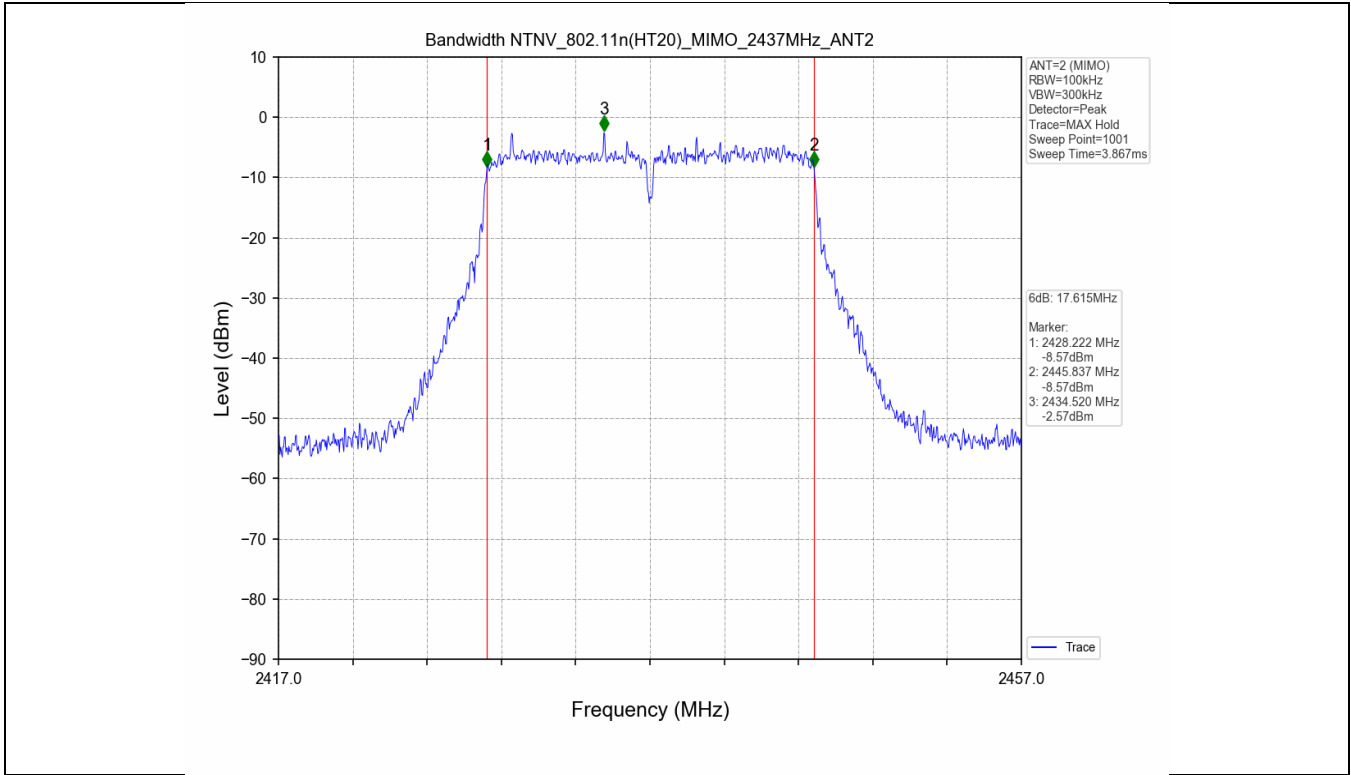


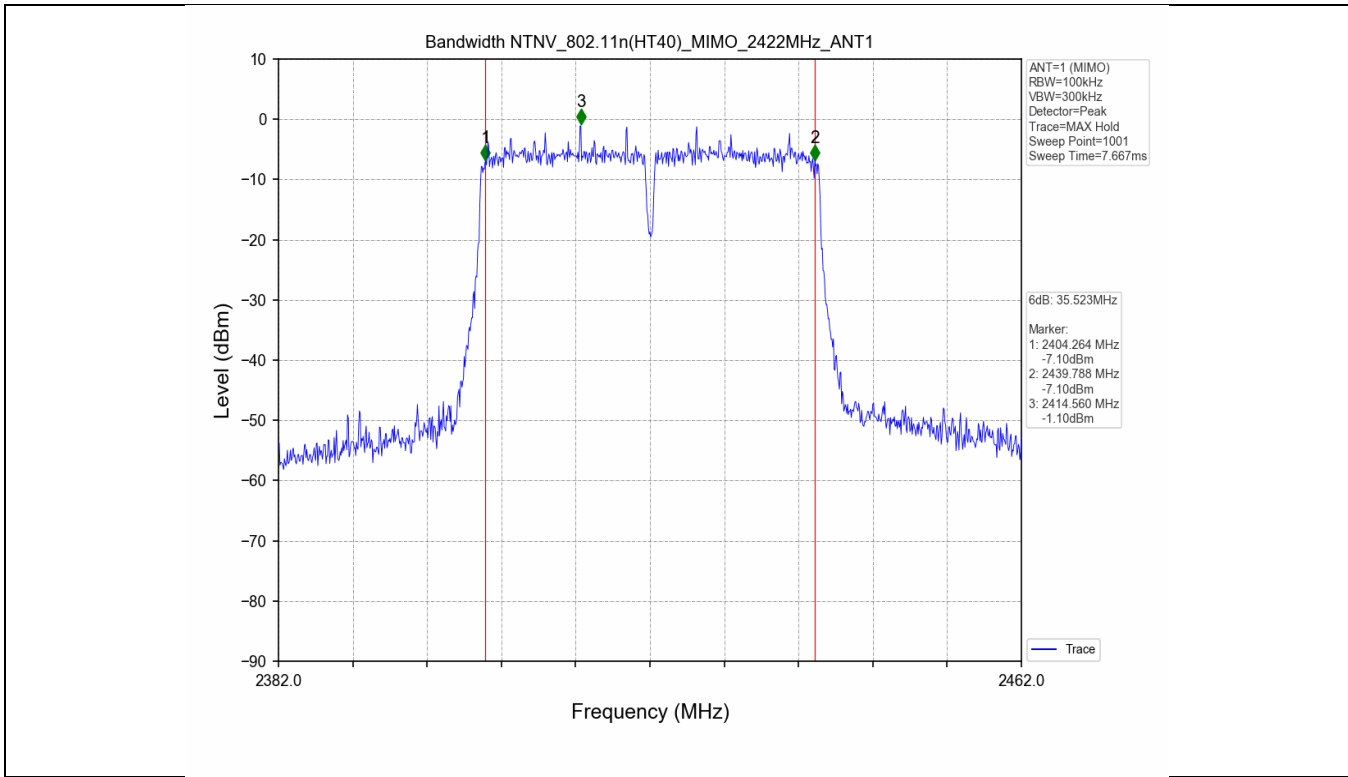
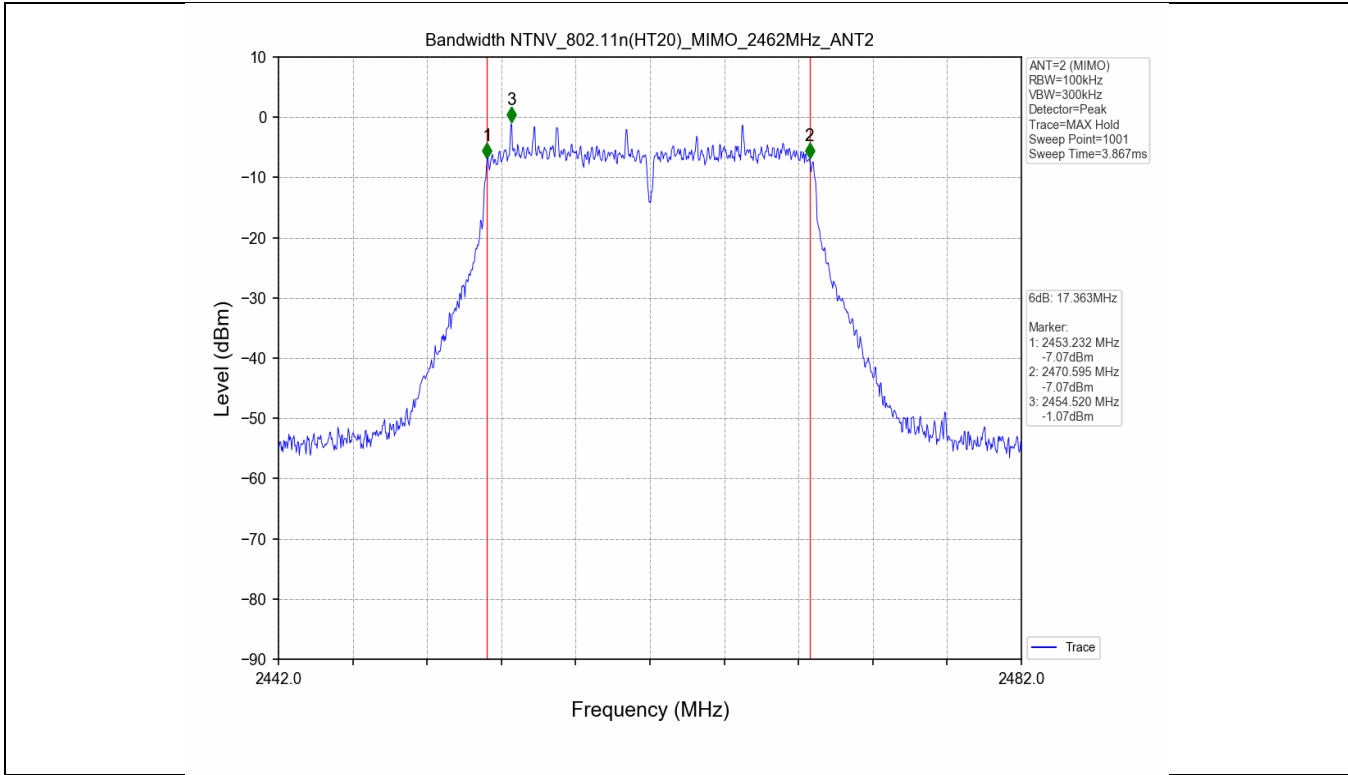


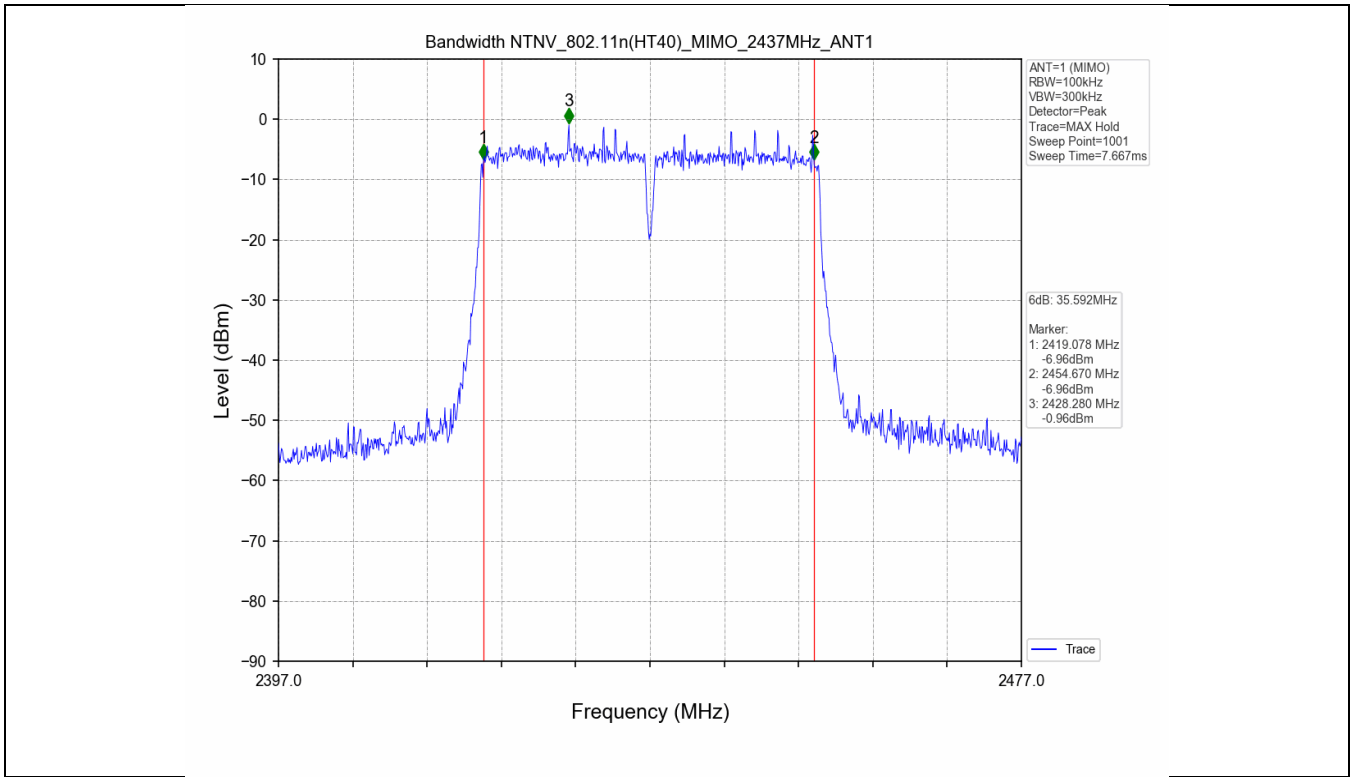
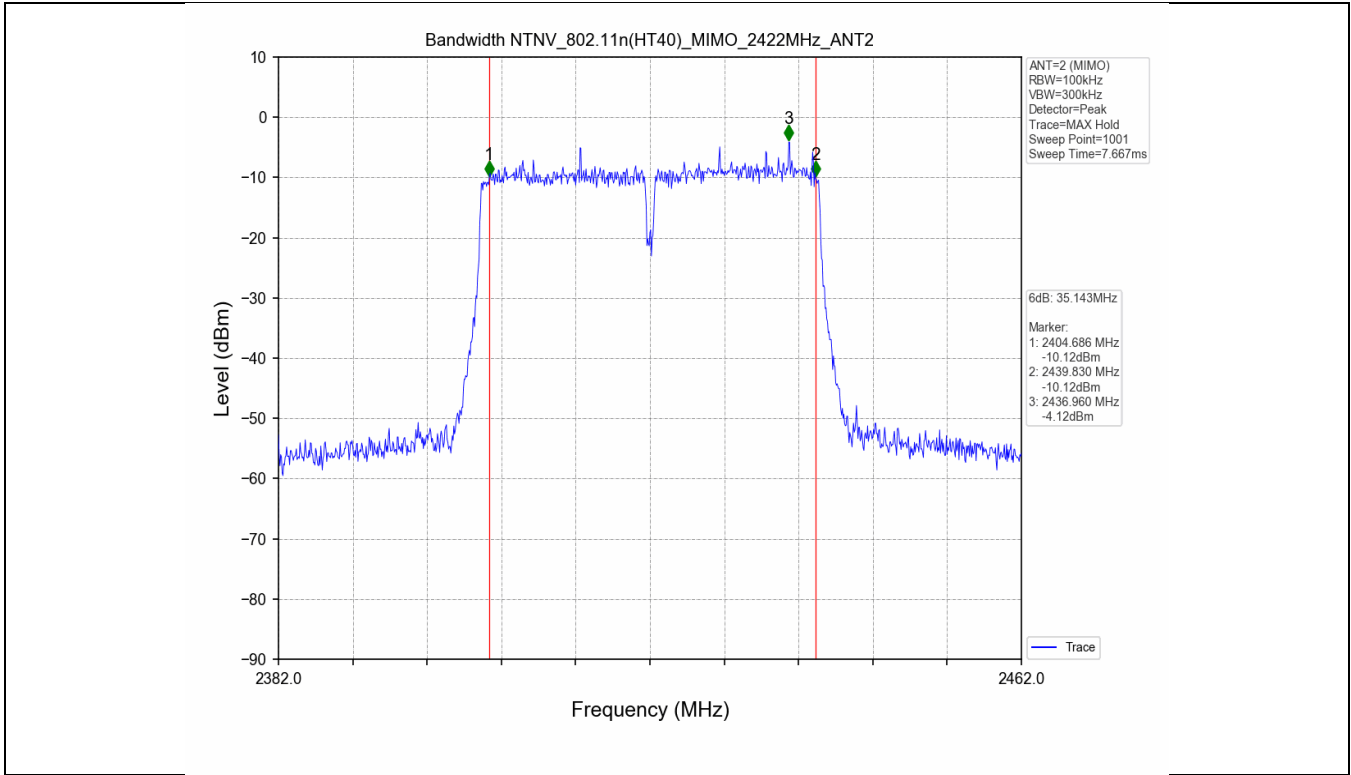


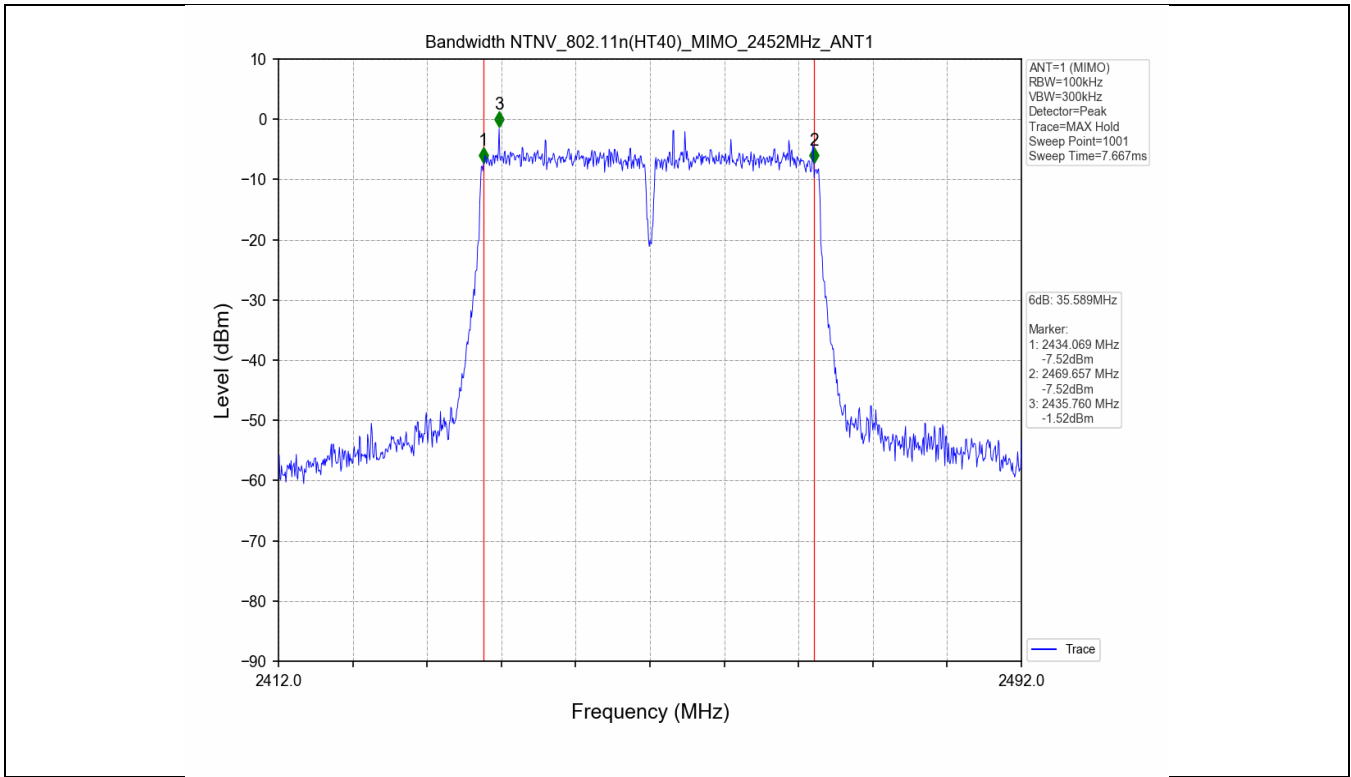
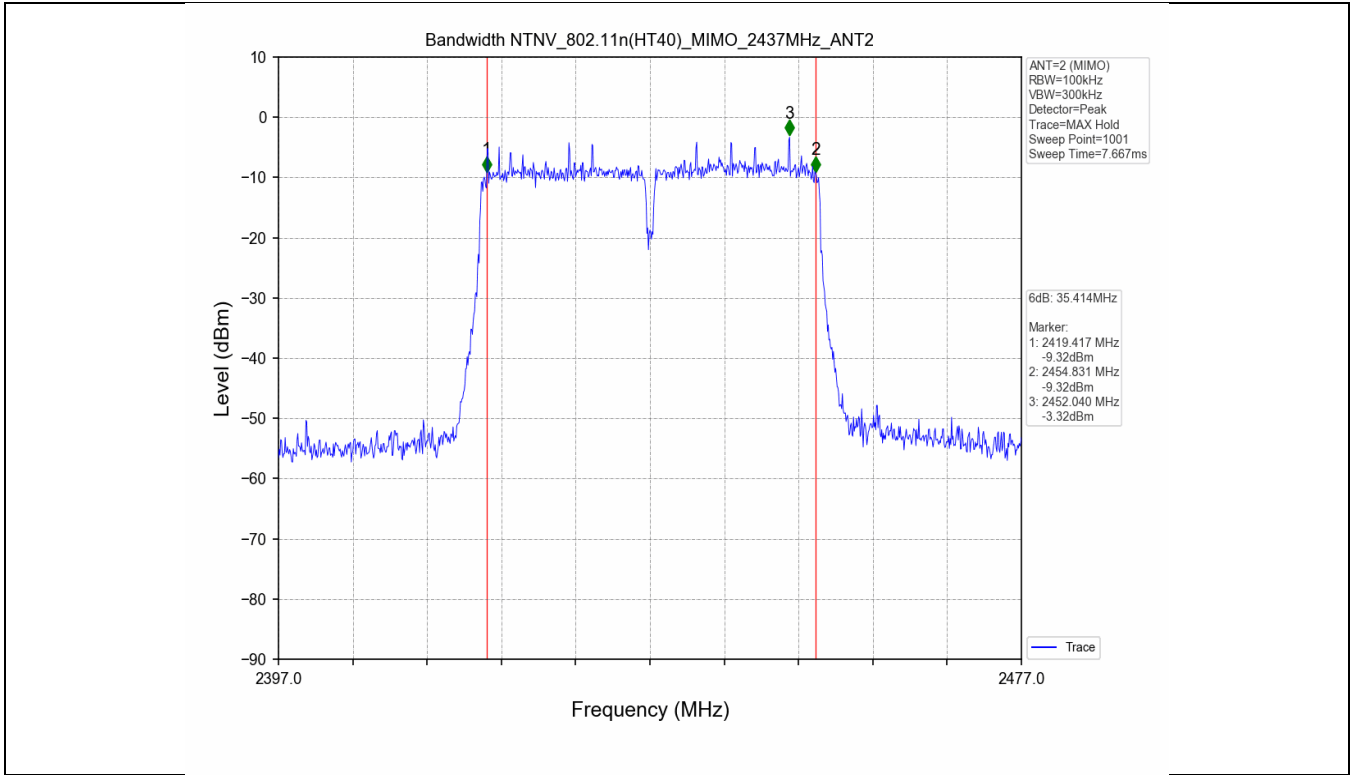


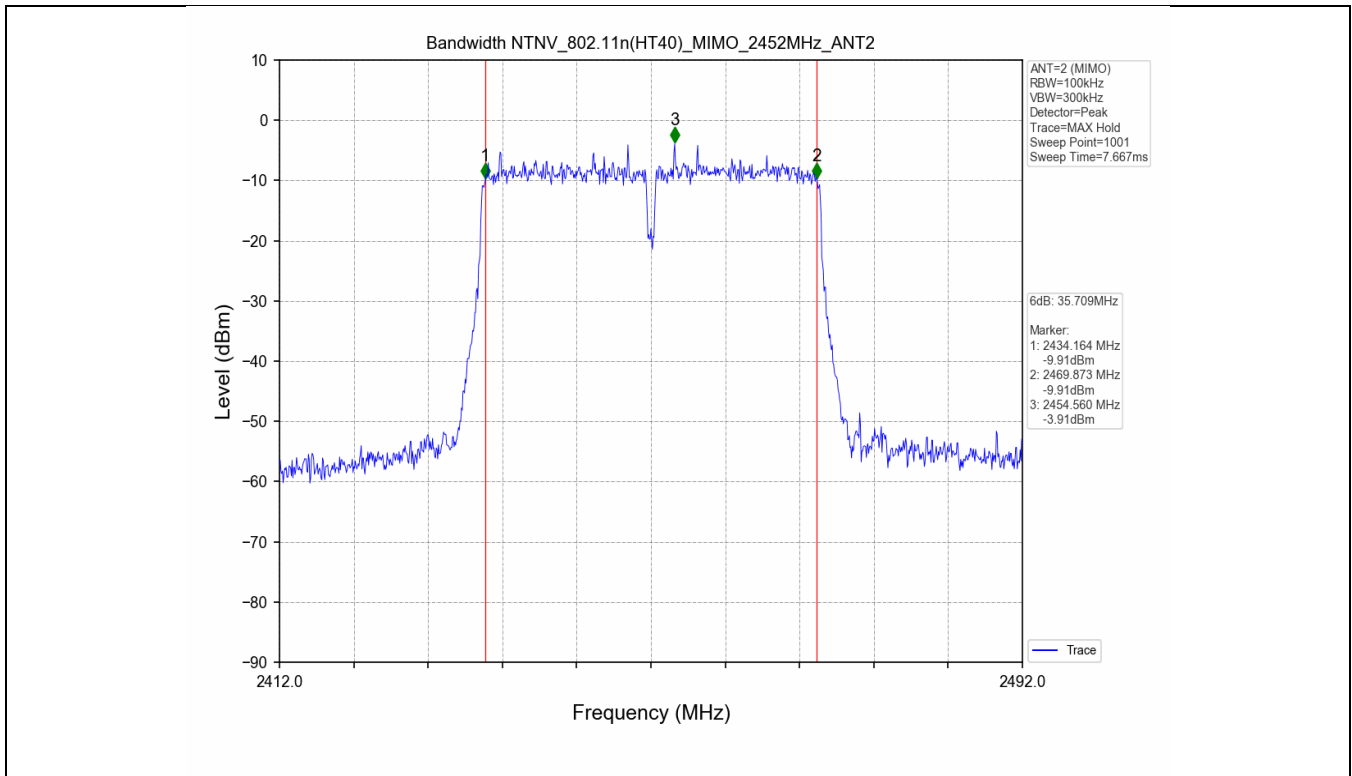




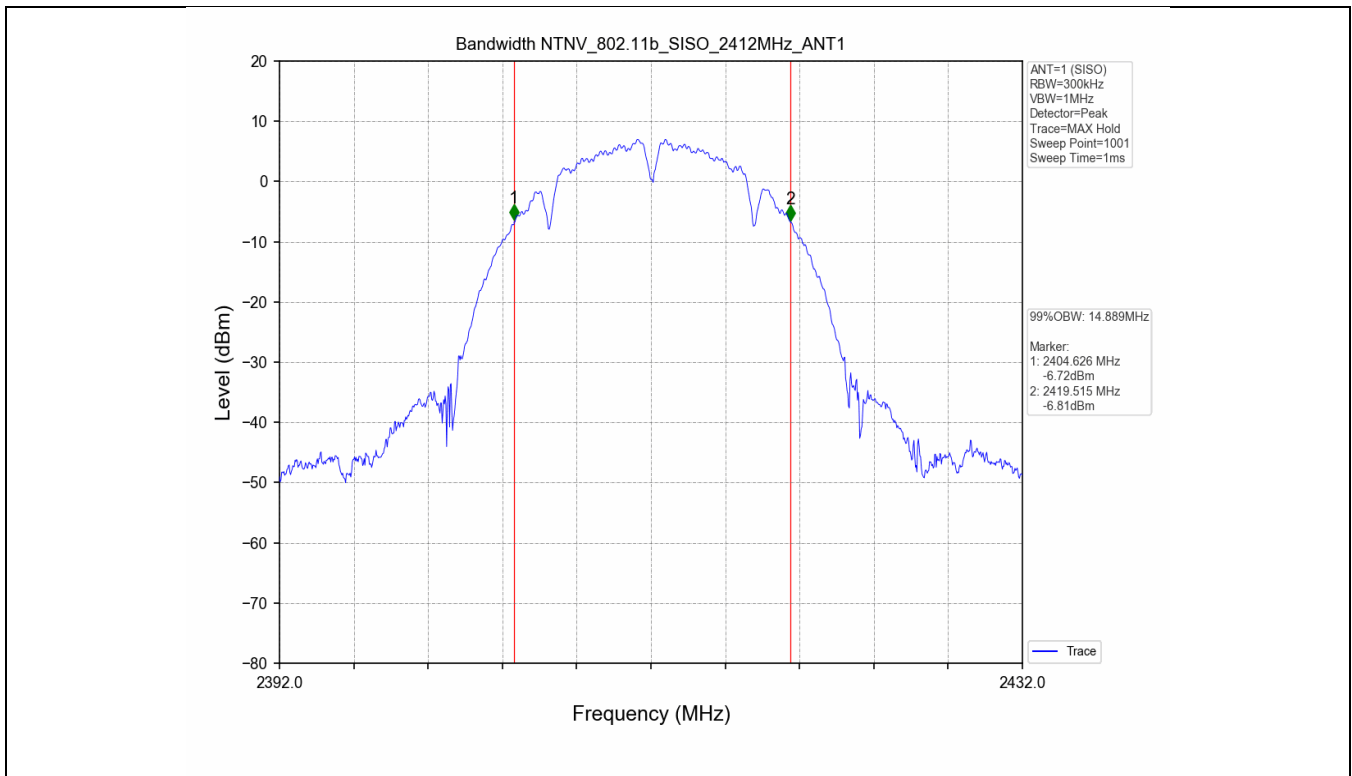


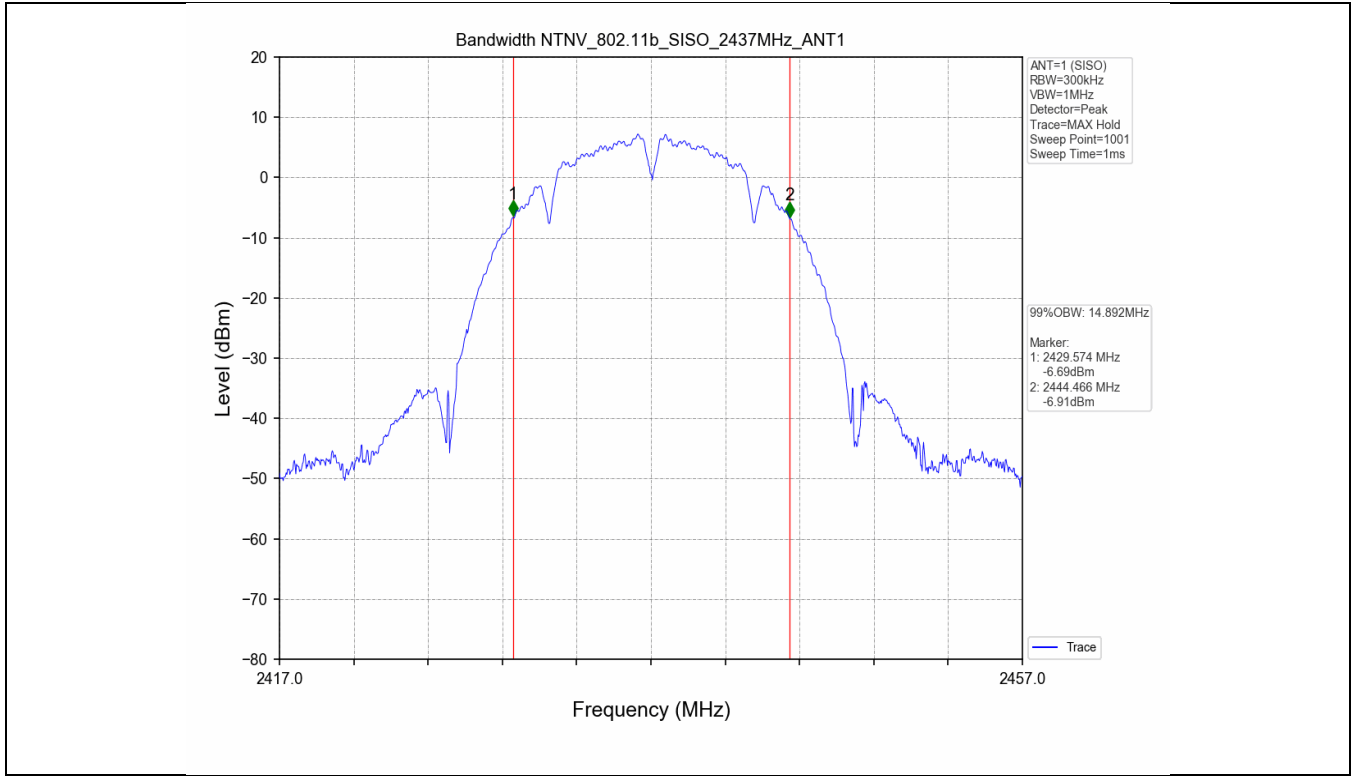
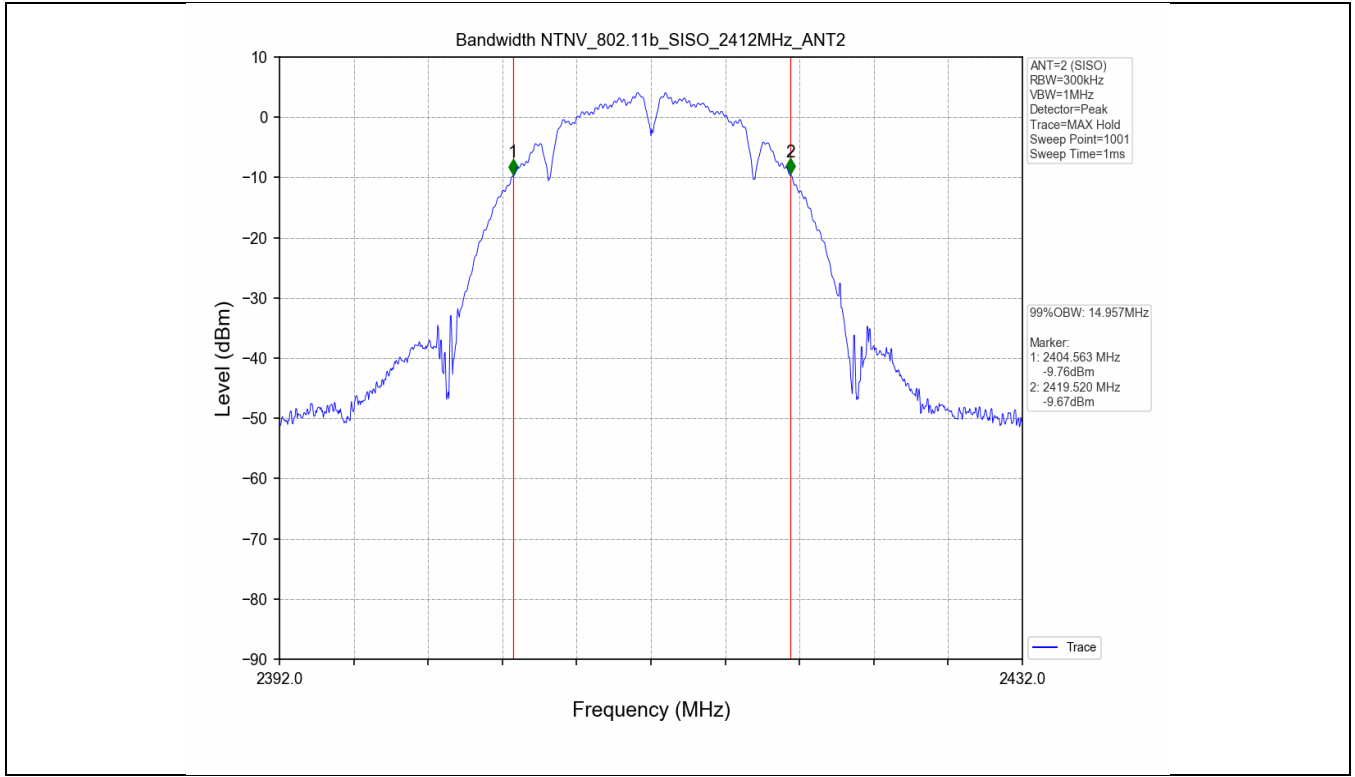


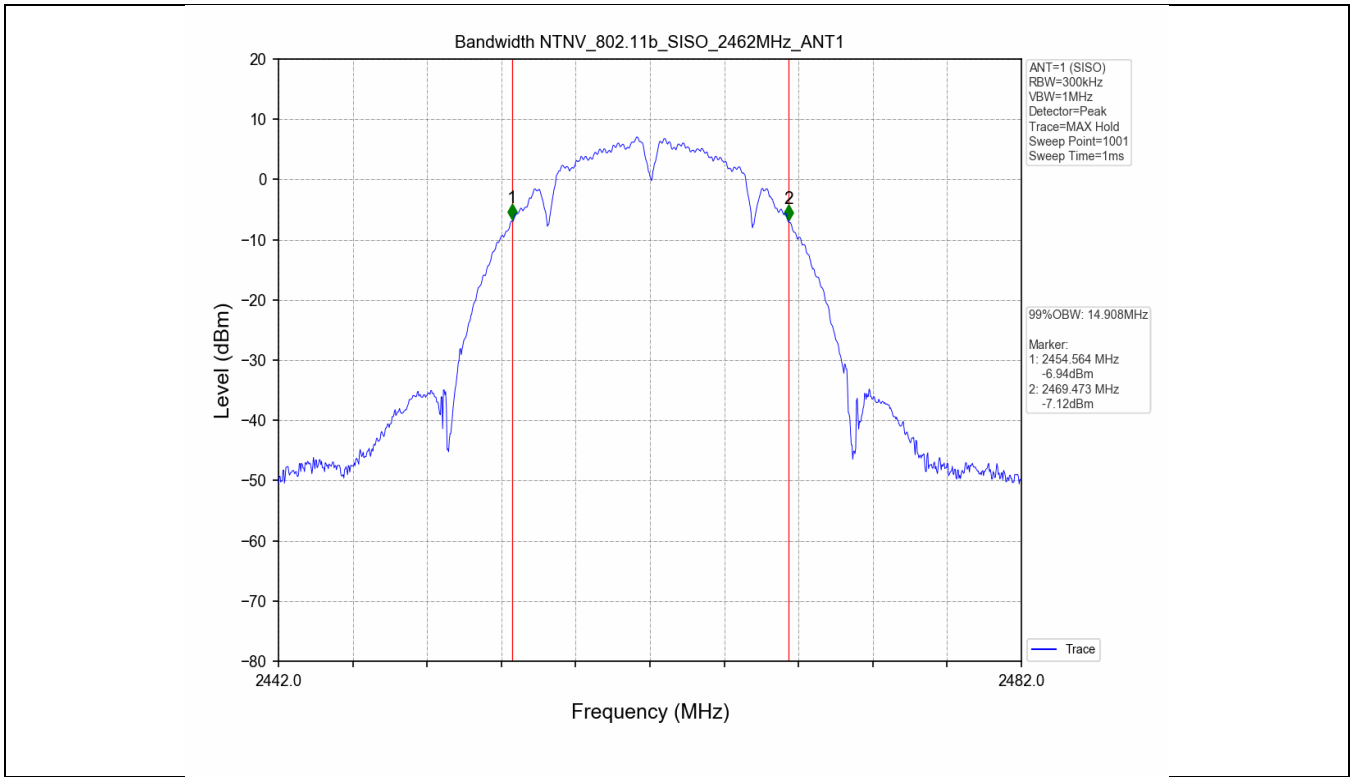
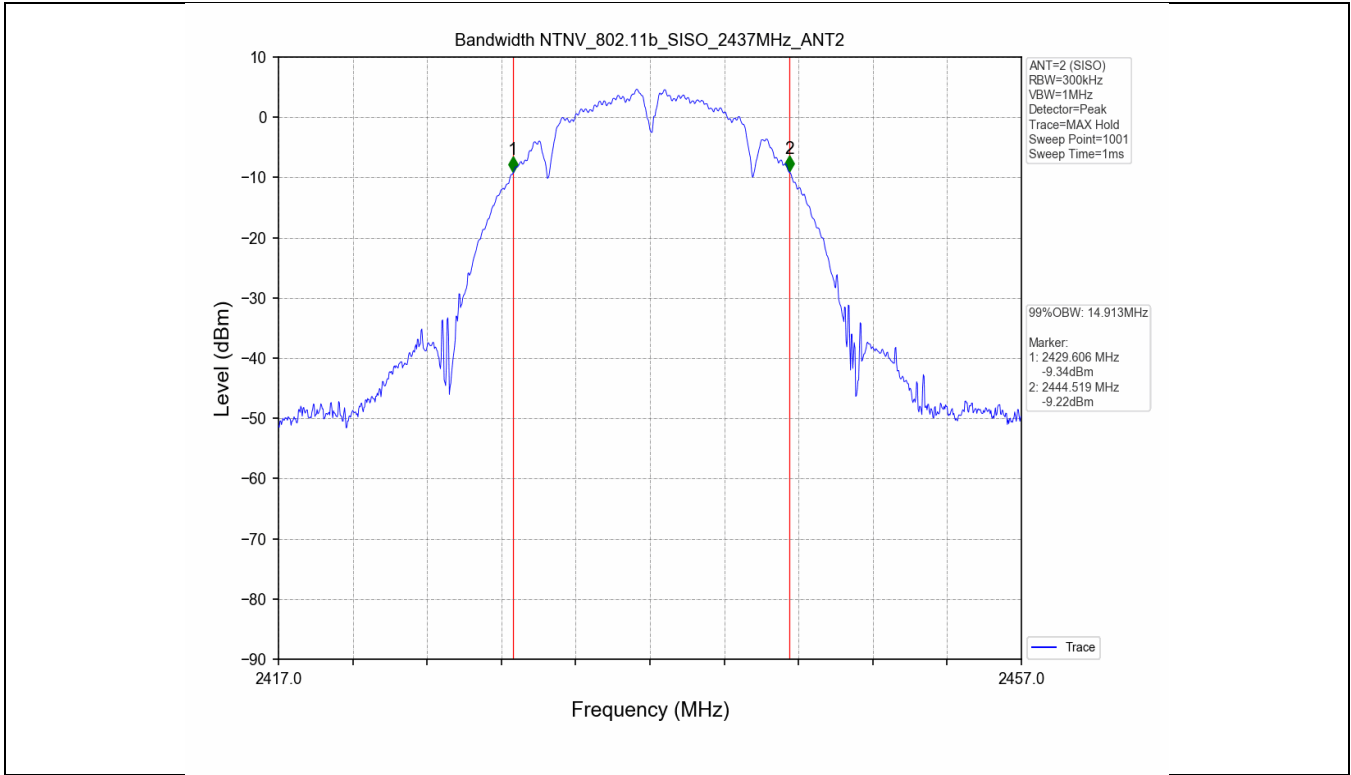


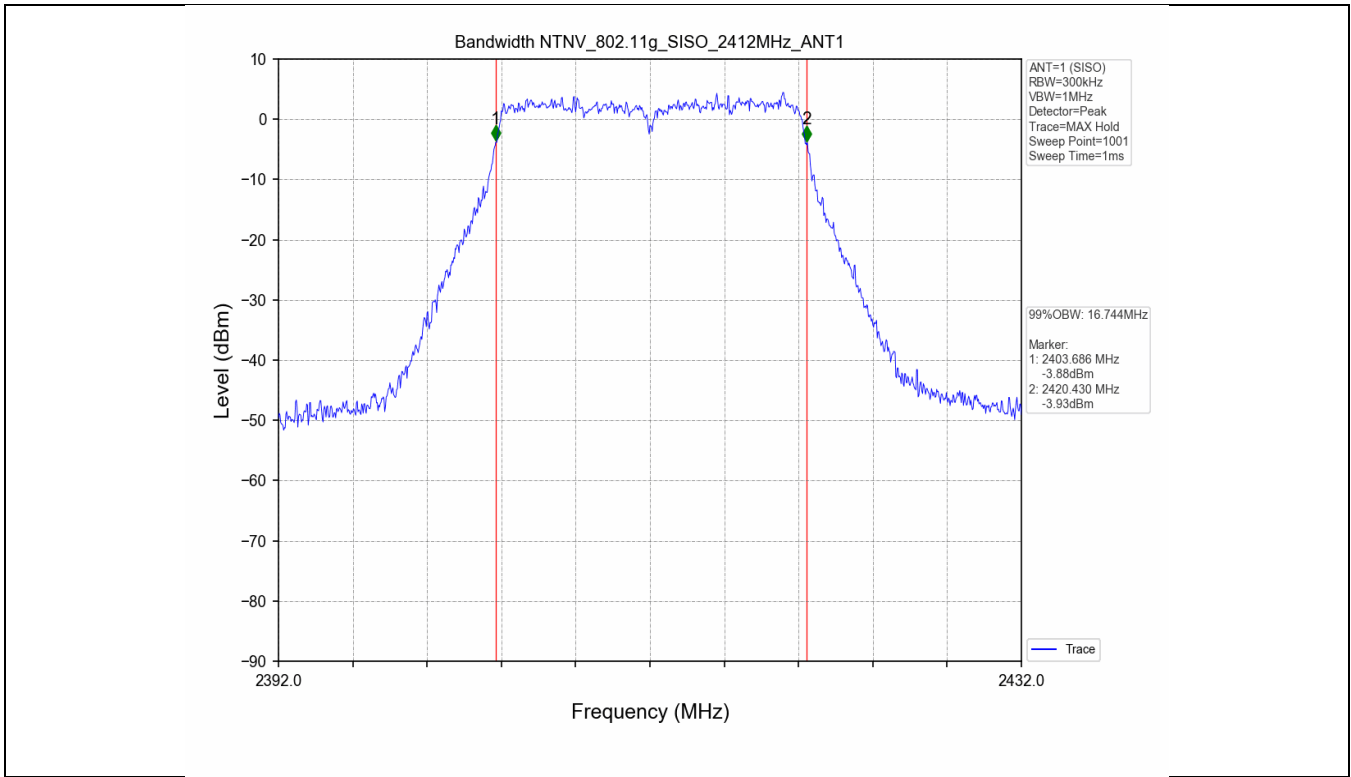
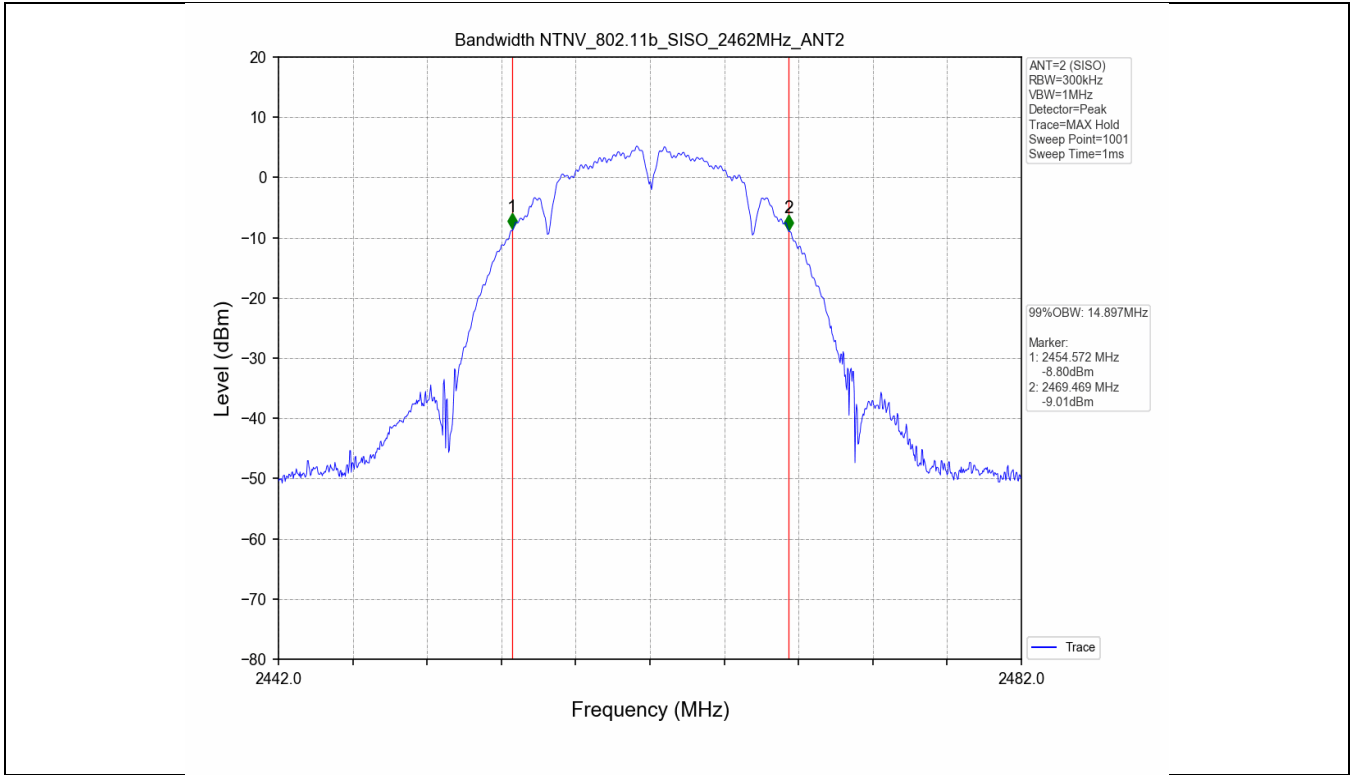


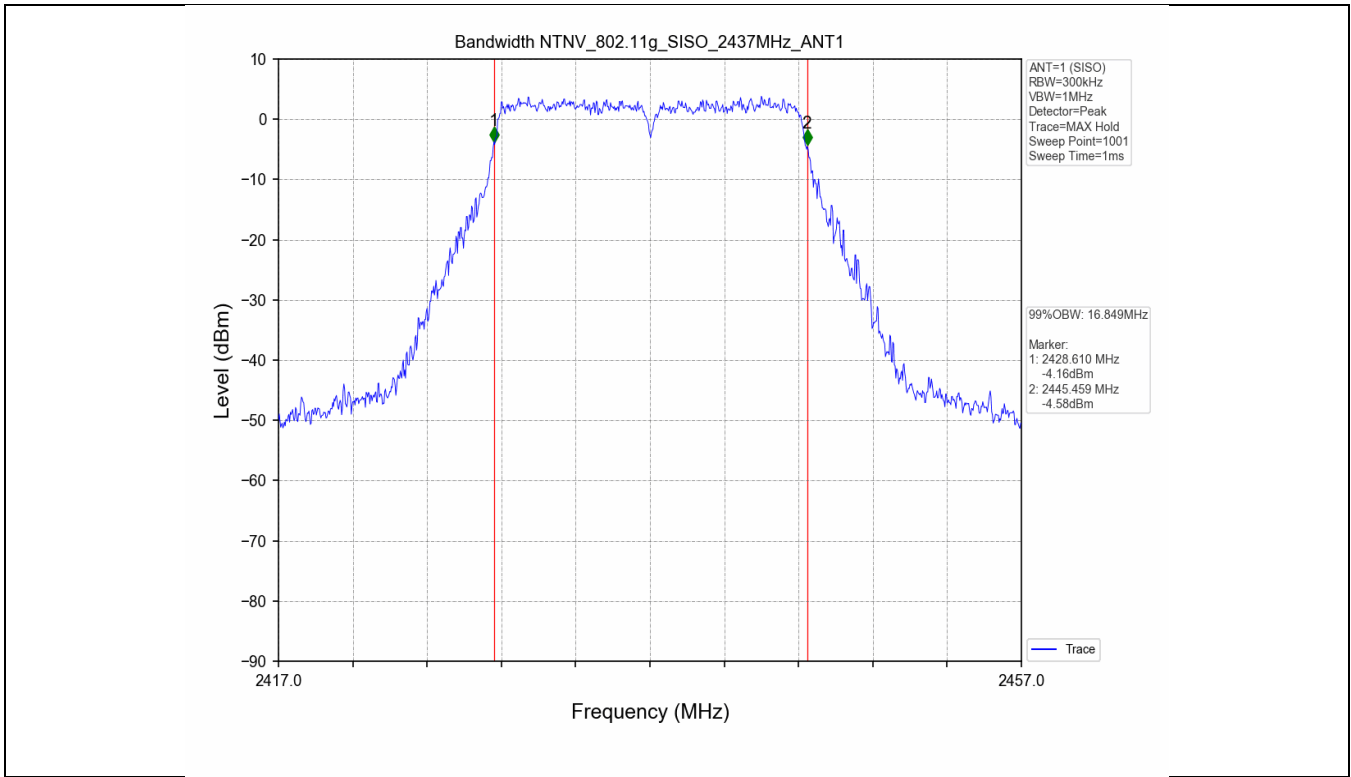
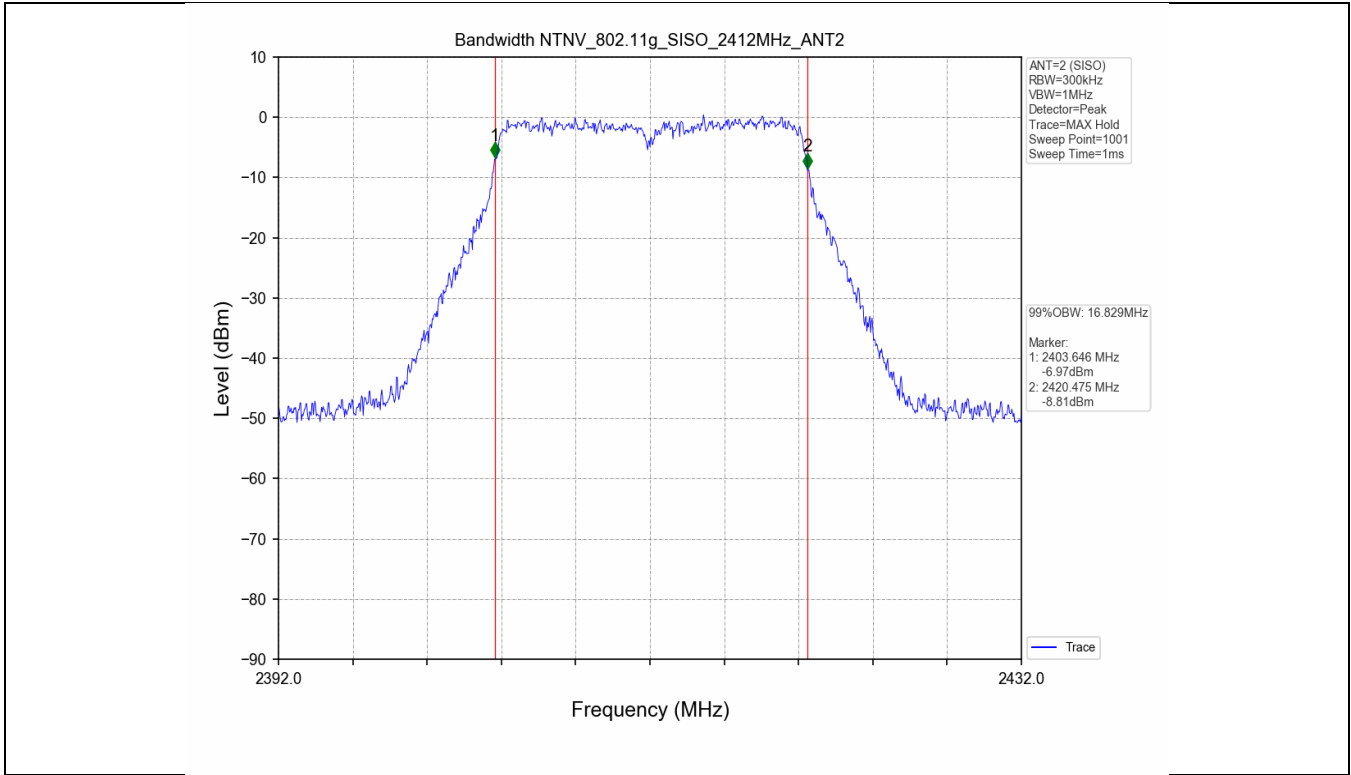
2.3 Test Graph - 99% Occupied Bandwidth

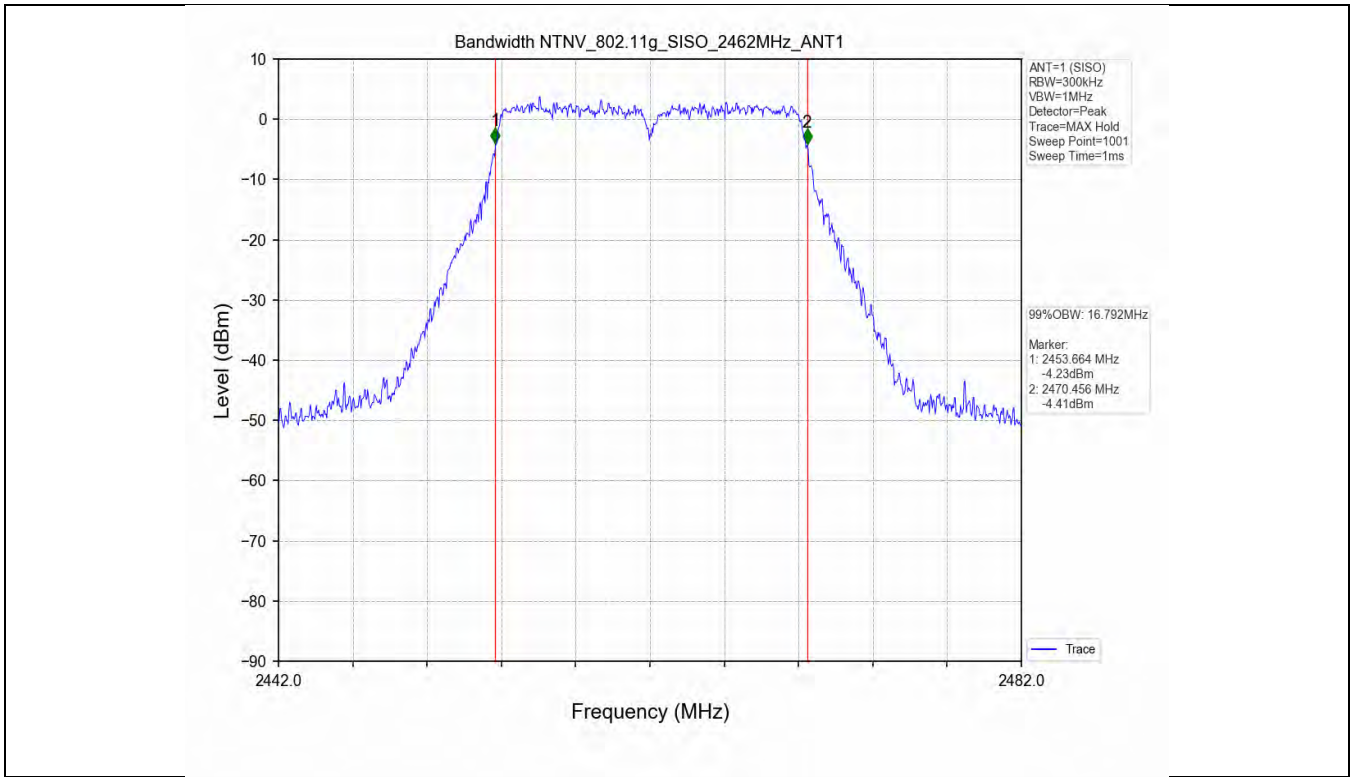
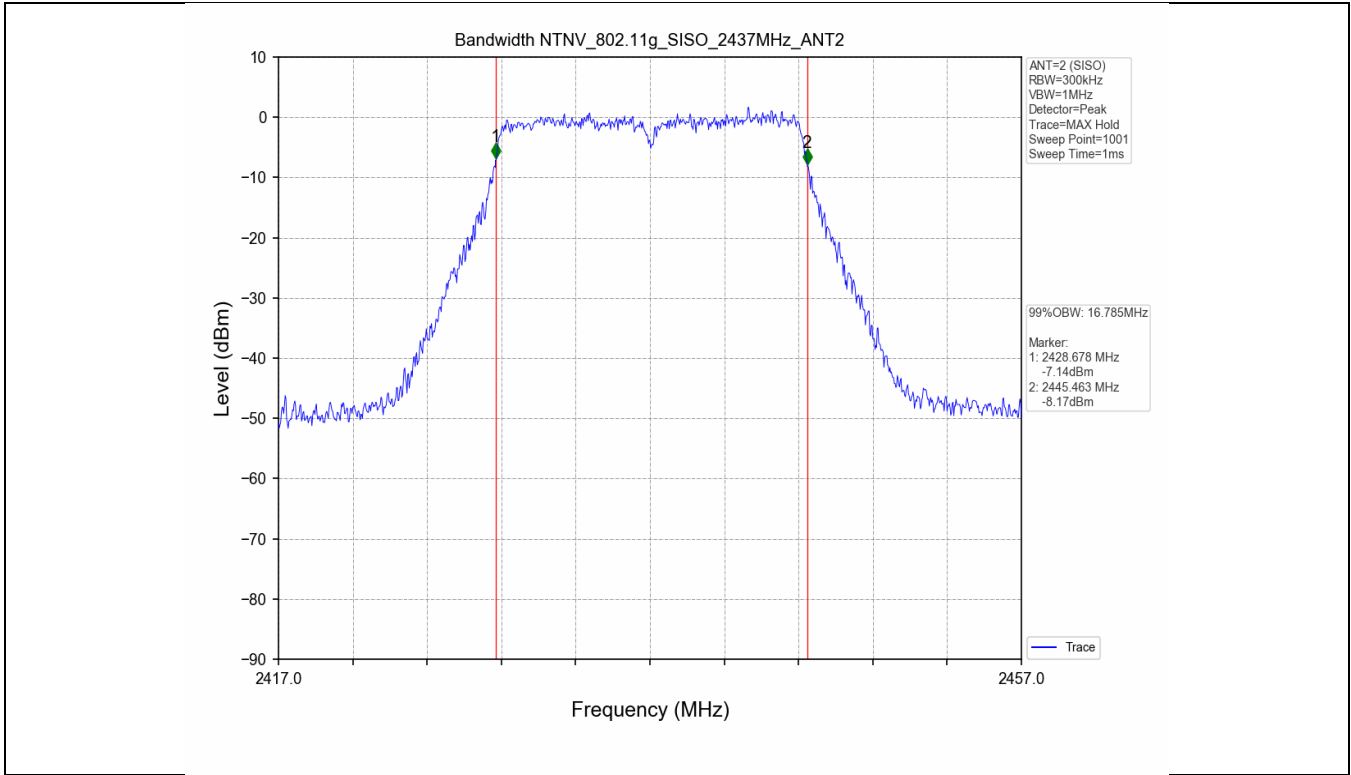


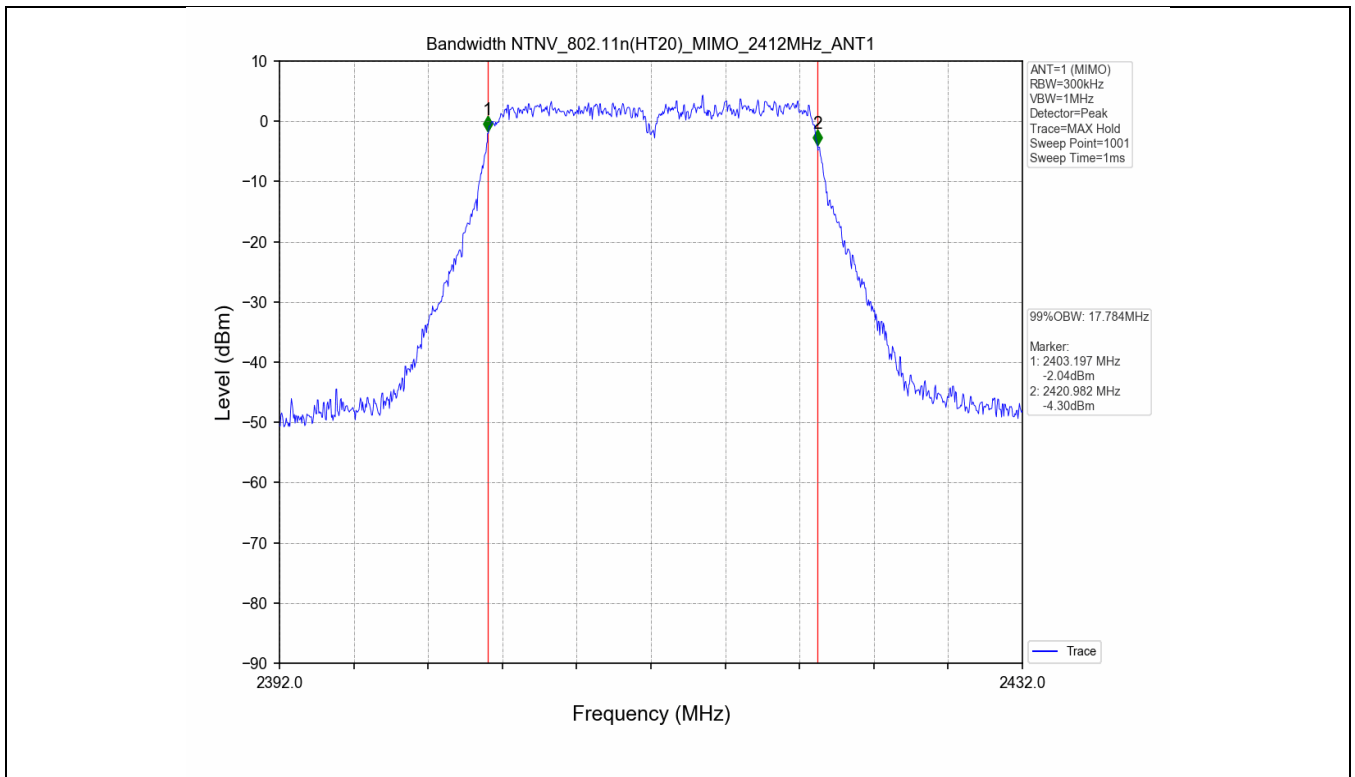
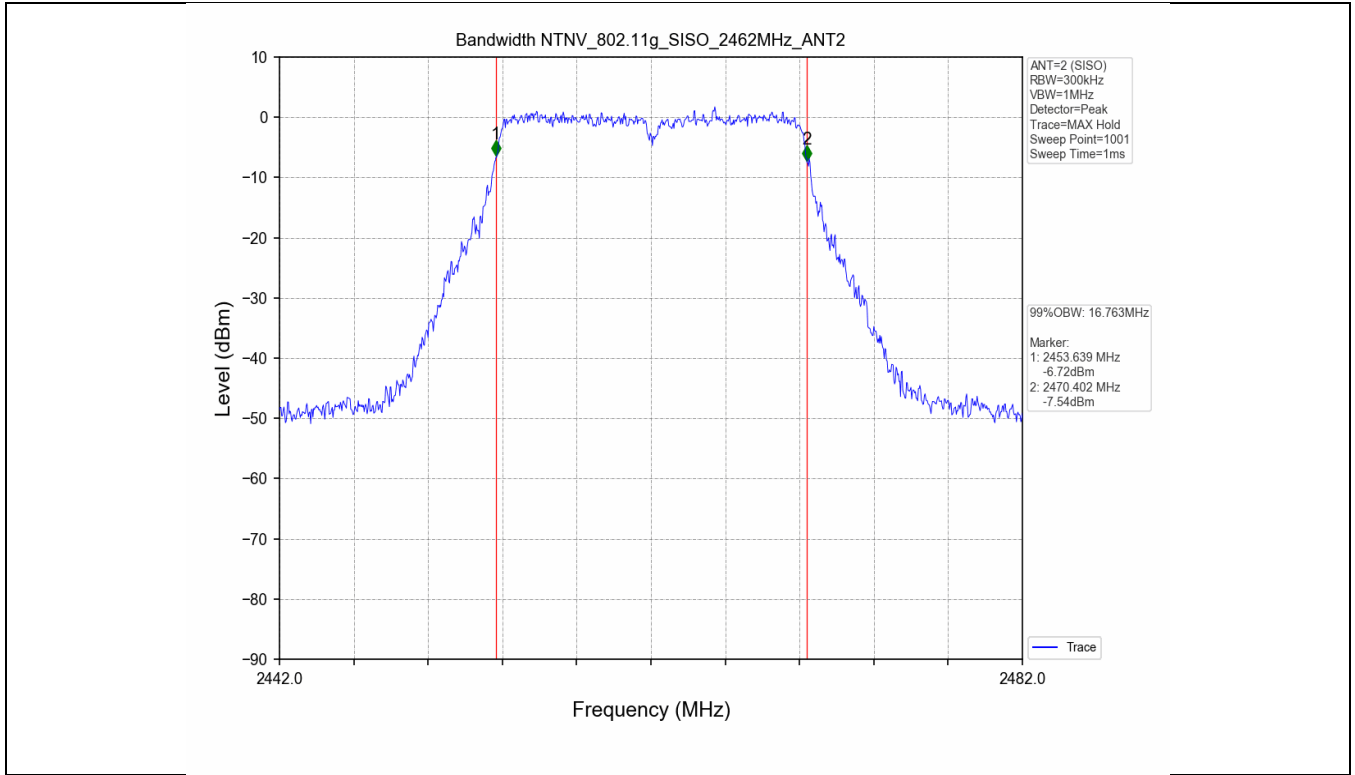


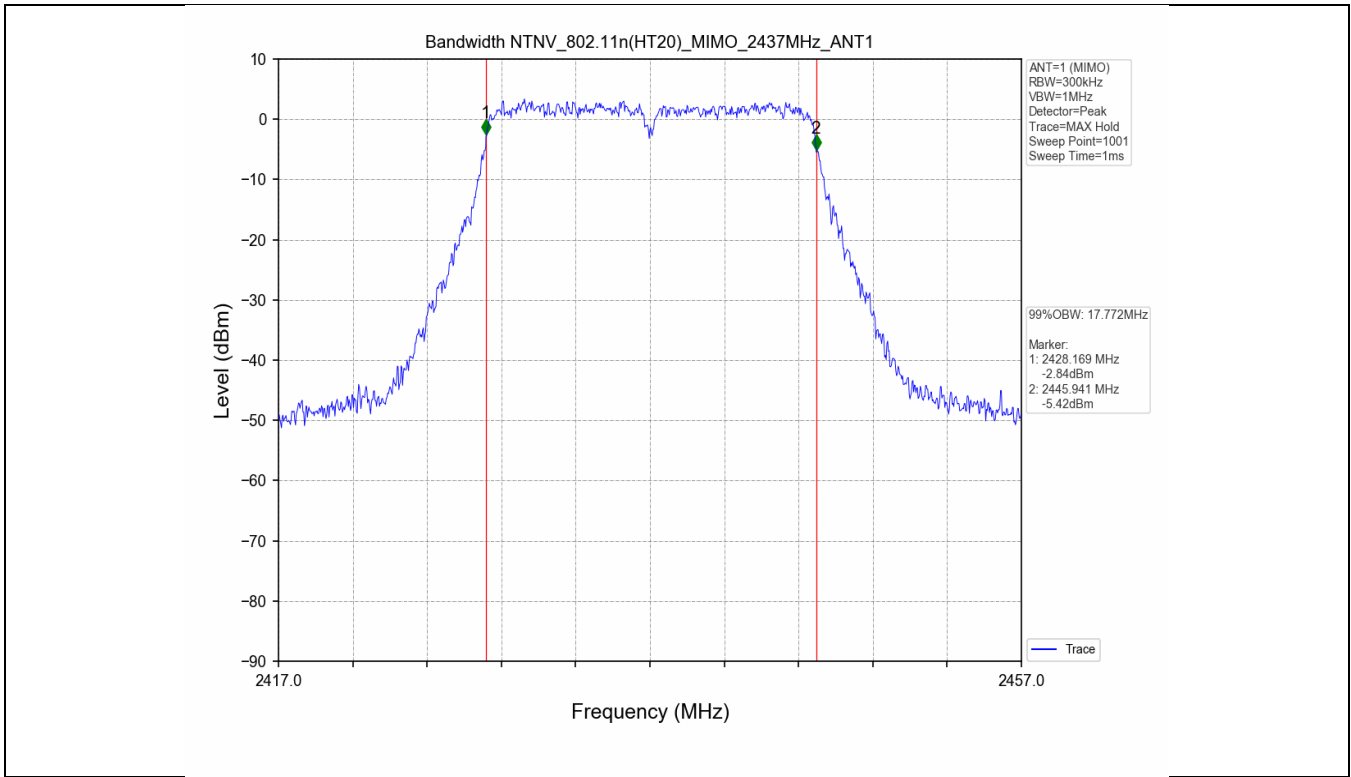
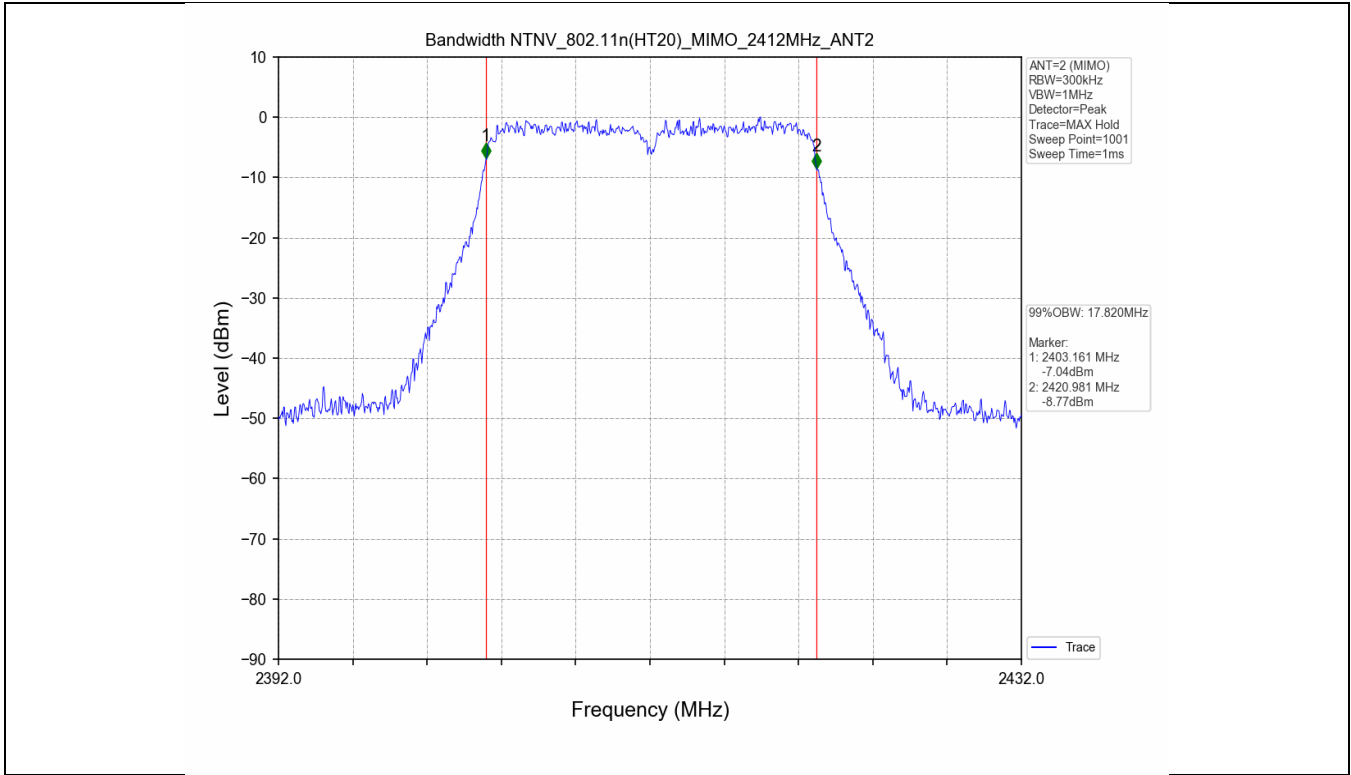


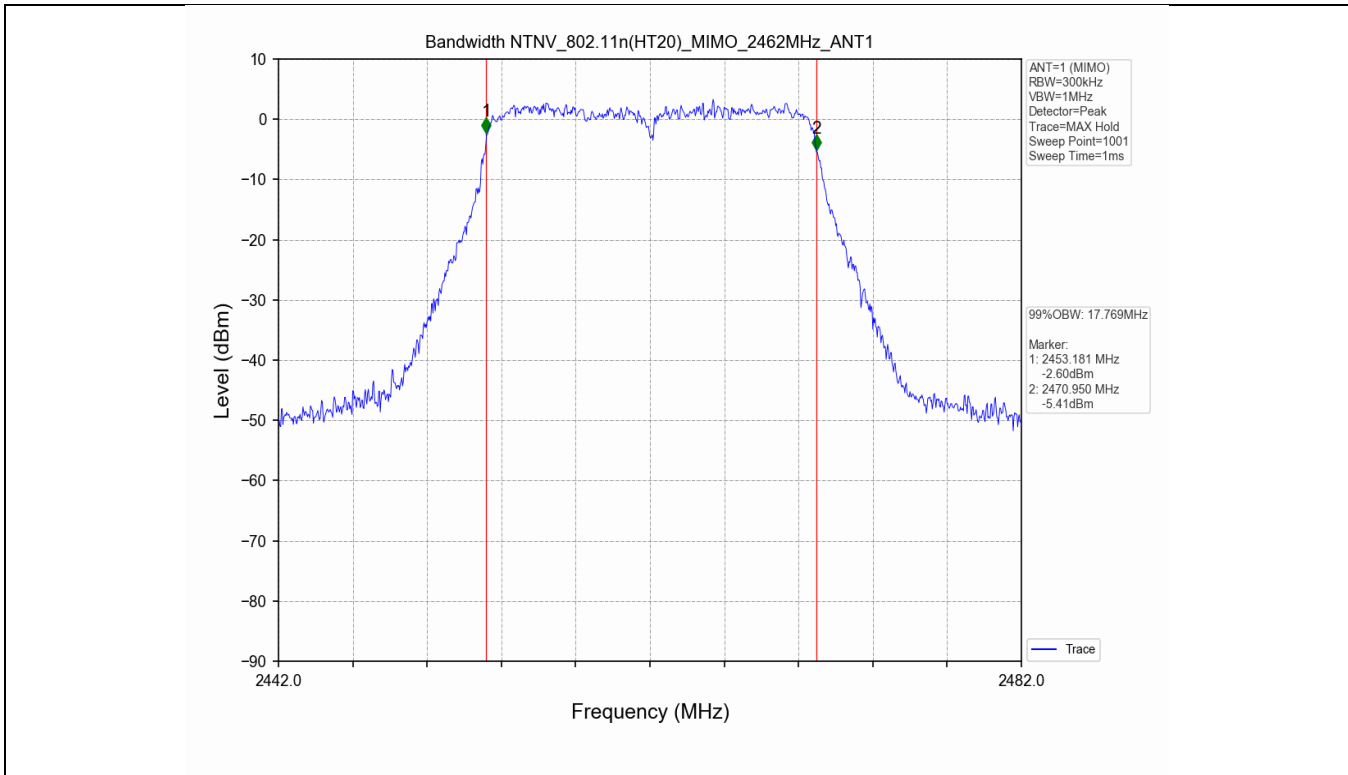
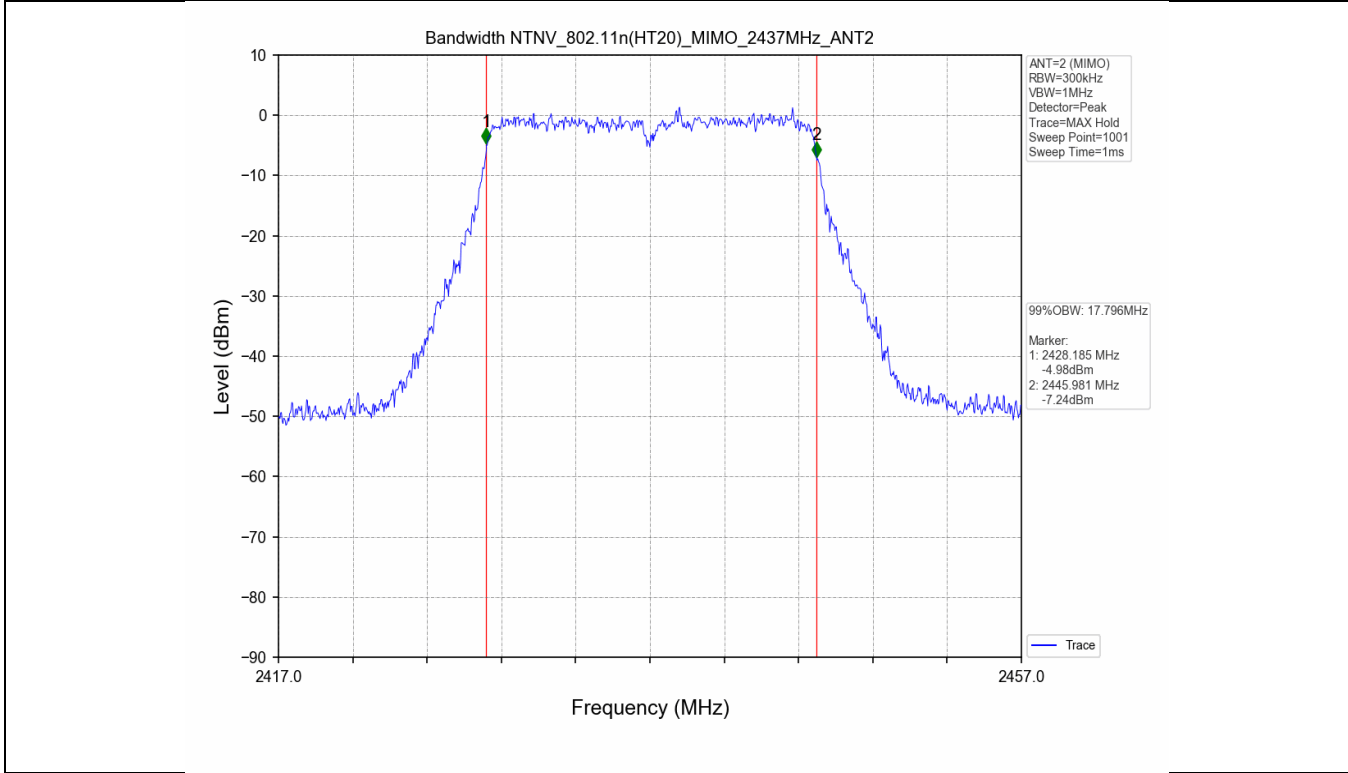


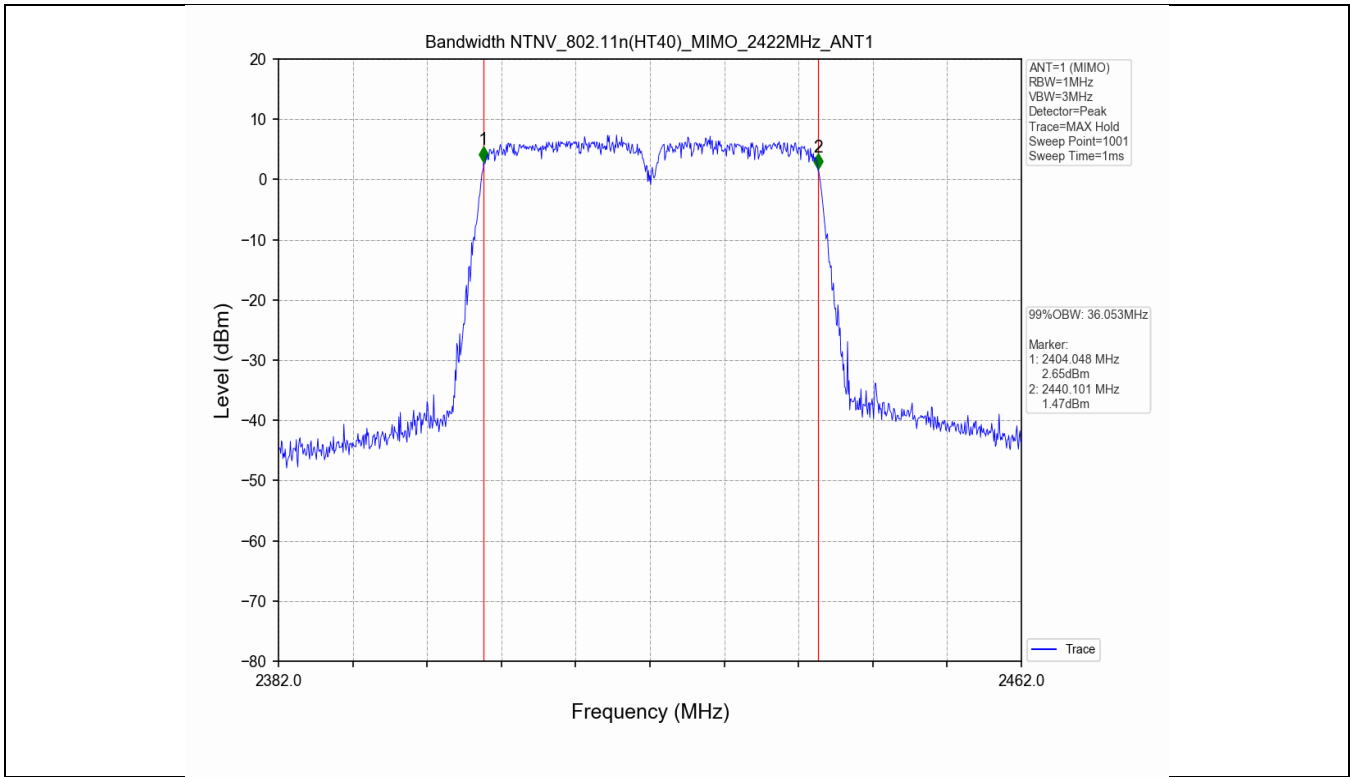
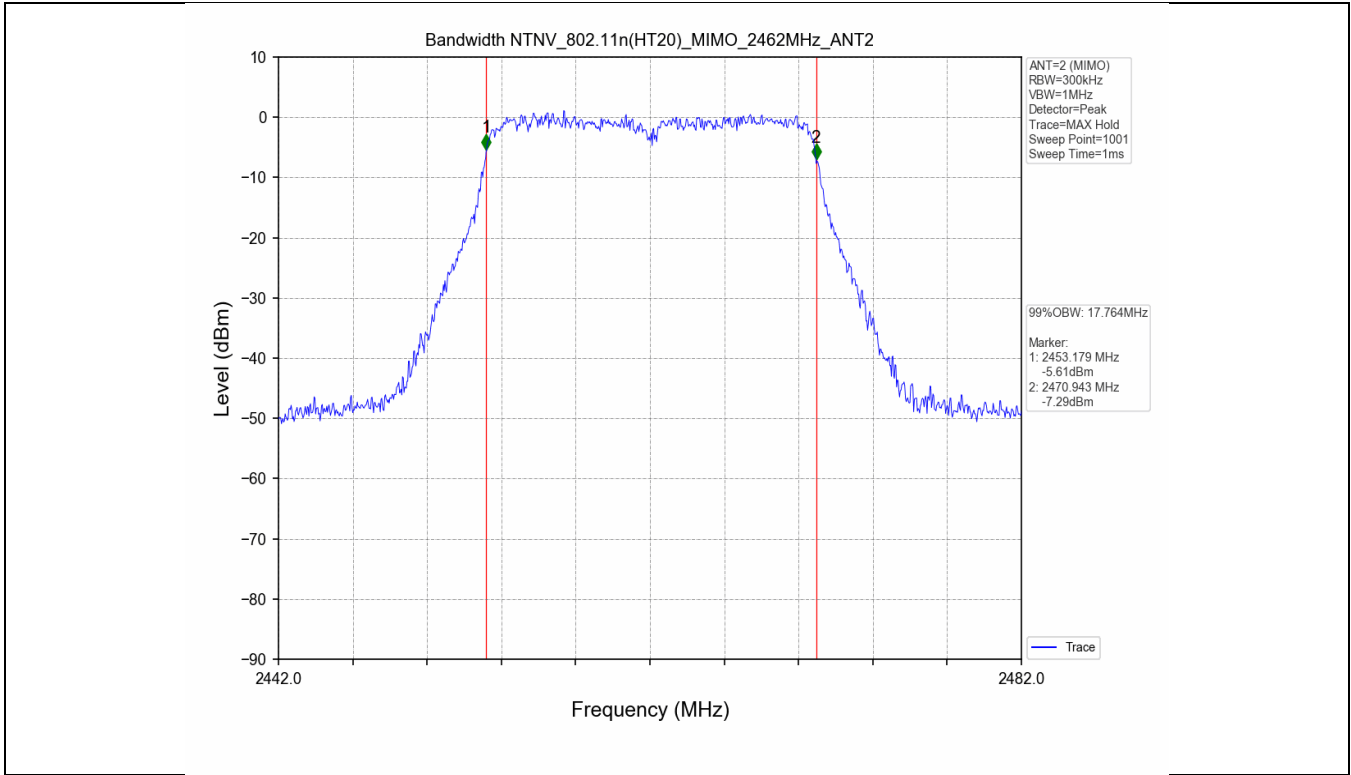


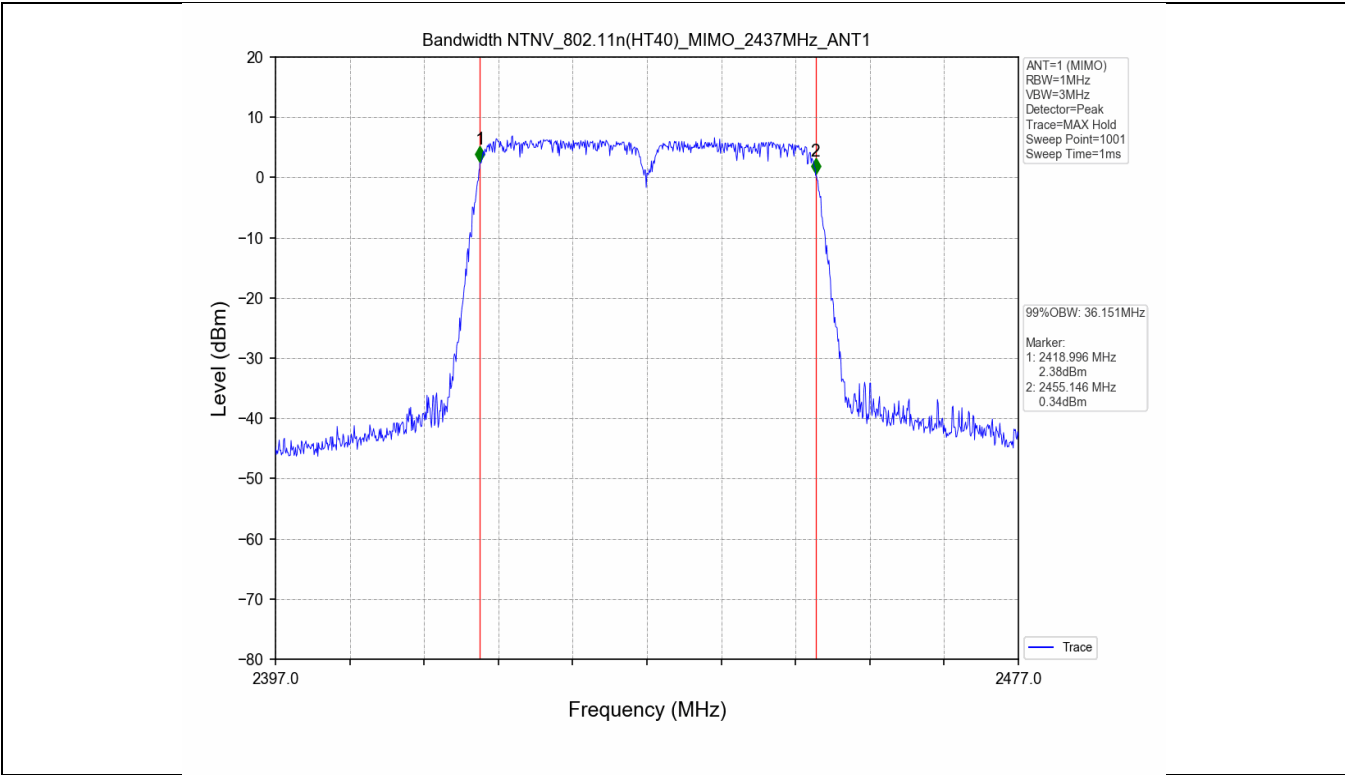
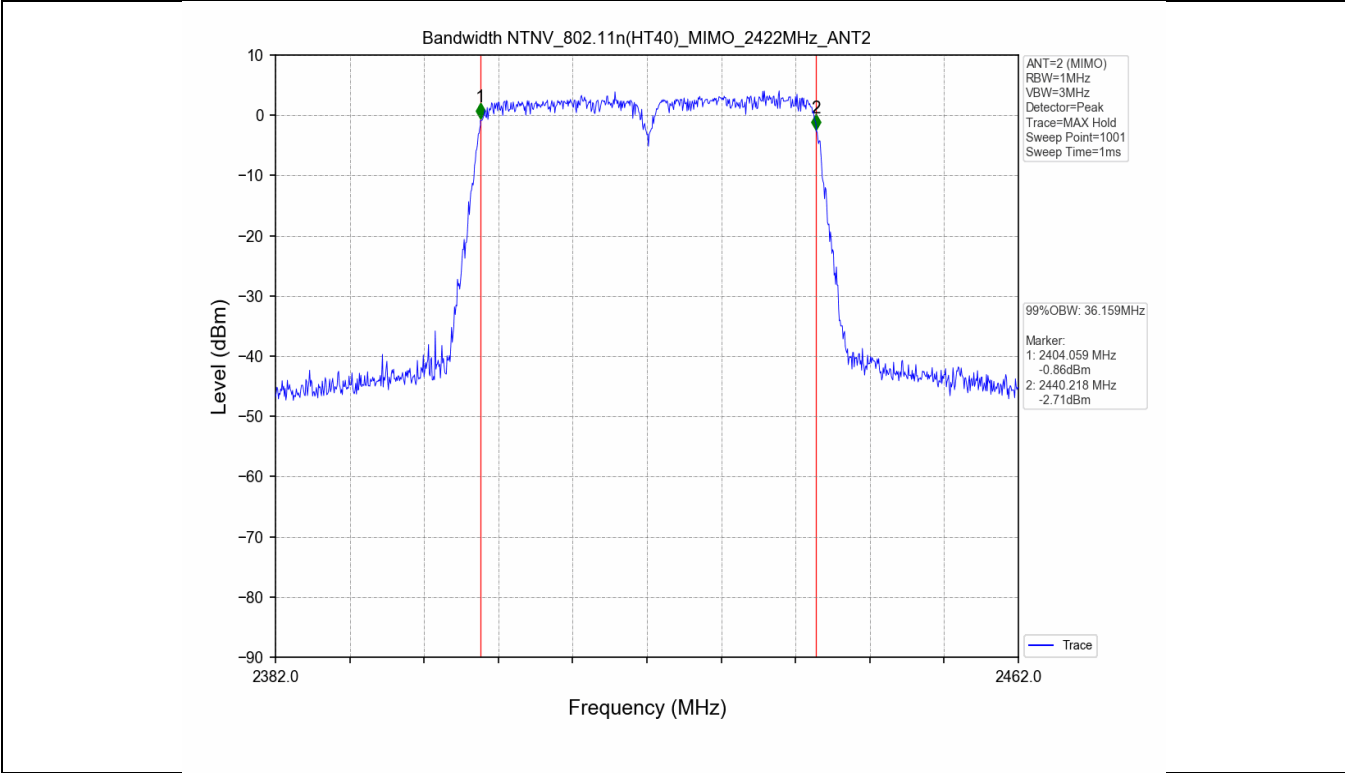


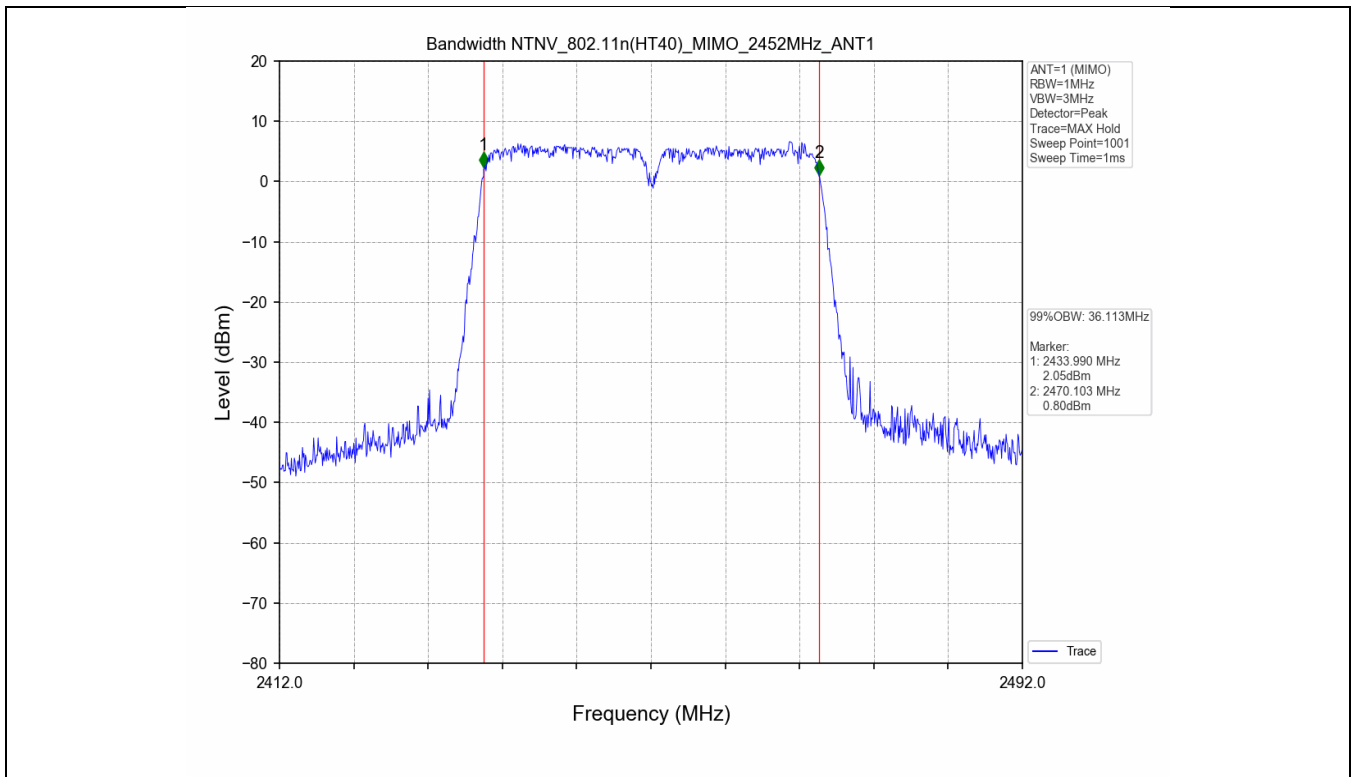
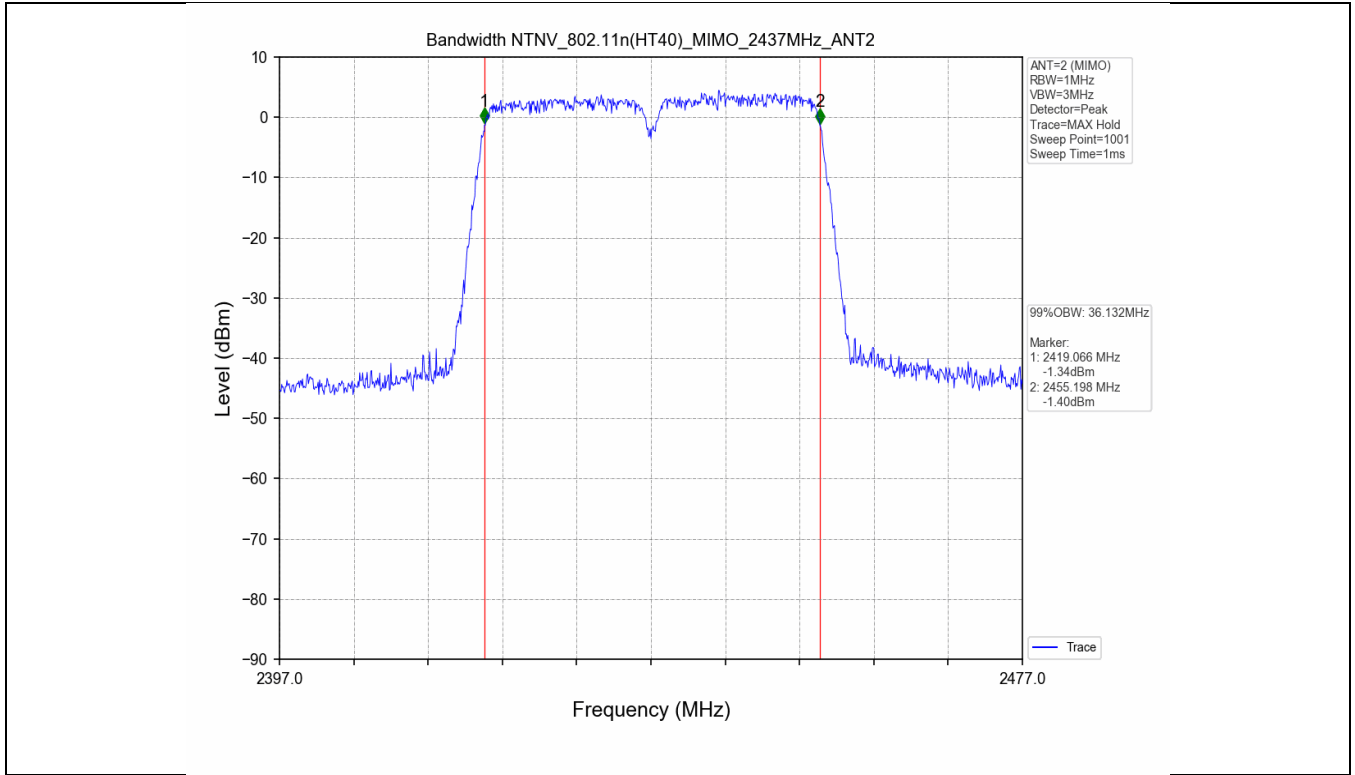


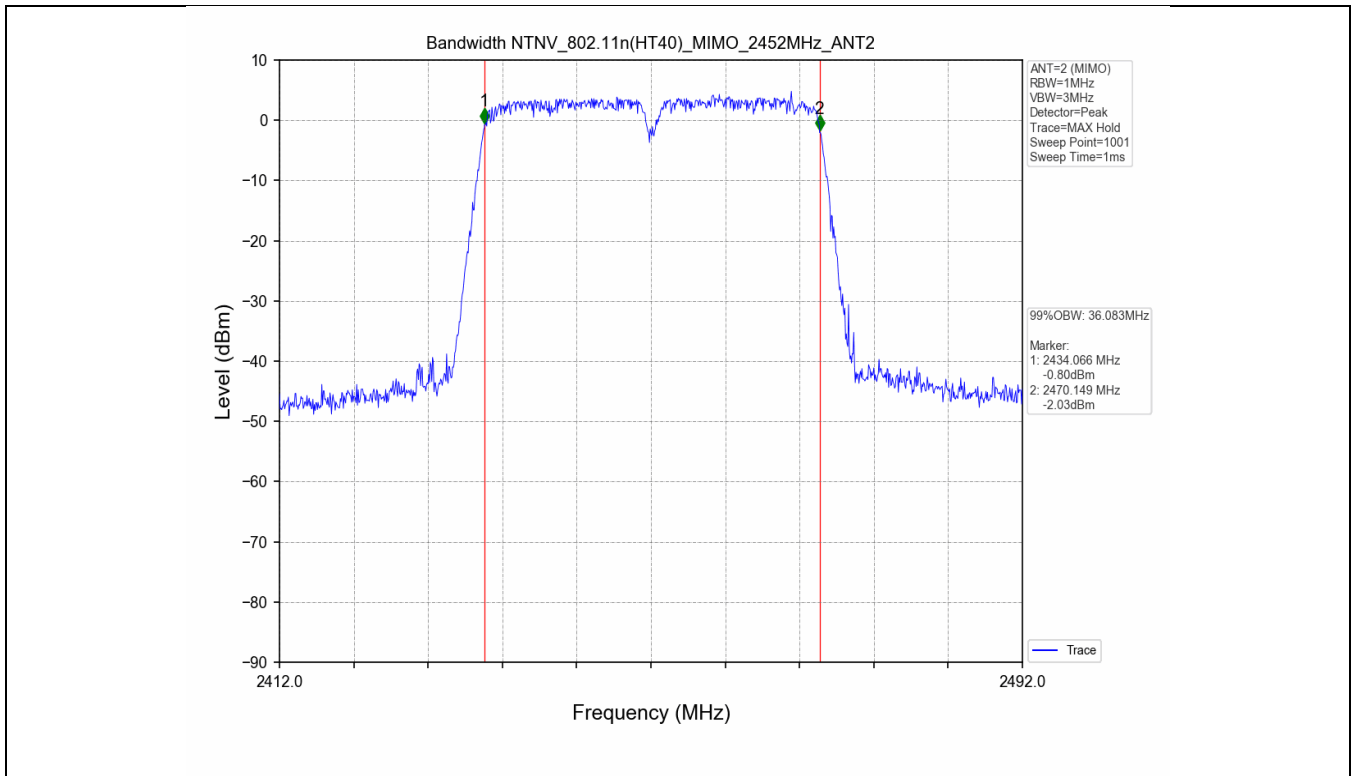












3. Maximum Conducted Output Power

3.1 Test Result

Test Mode	Frequency (MHz)	Tx Type	Measured Peak Output Power (dBm)			Limits (dBm)	Verdict
			Ant 1	Ant 2	Total		
802.11b	2412	SISO	17.80	14.84	/	30	PASS
	2437	SISO	17.83	15.33	/	30	PASS
	2462	SISO	17.67	15.87	/	30	PASS
802.11g	2412	SISO	19.98	16.29	/	30	PASS
	2437	SISO	19.91	17.07	/	30	PASS
	2462	SISO	19.35	17.35	/	30	PASS
802.11n(HT20)	2412	MIMO	19.85	16.25	21.42	30	PASS
	2437	MIMO	19.89	16.89	21.65	30	PASS
	2462	MIMO	19.16	17.20	21.30	30	PASS
802.11n(HT40)	2422	MIMO	19.86	16.59	21.54	30	PASS
	2437	MIMO	19.69	17.15	21.61	30	PASS
	2452	MIMO	19.41	17.35	21.51	30	PASS

3.2 Test Graph

