

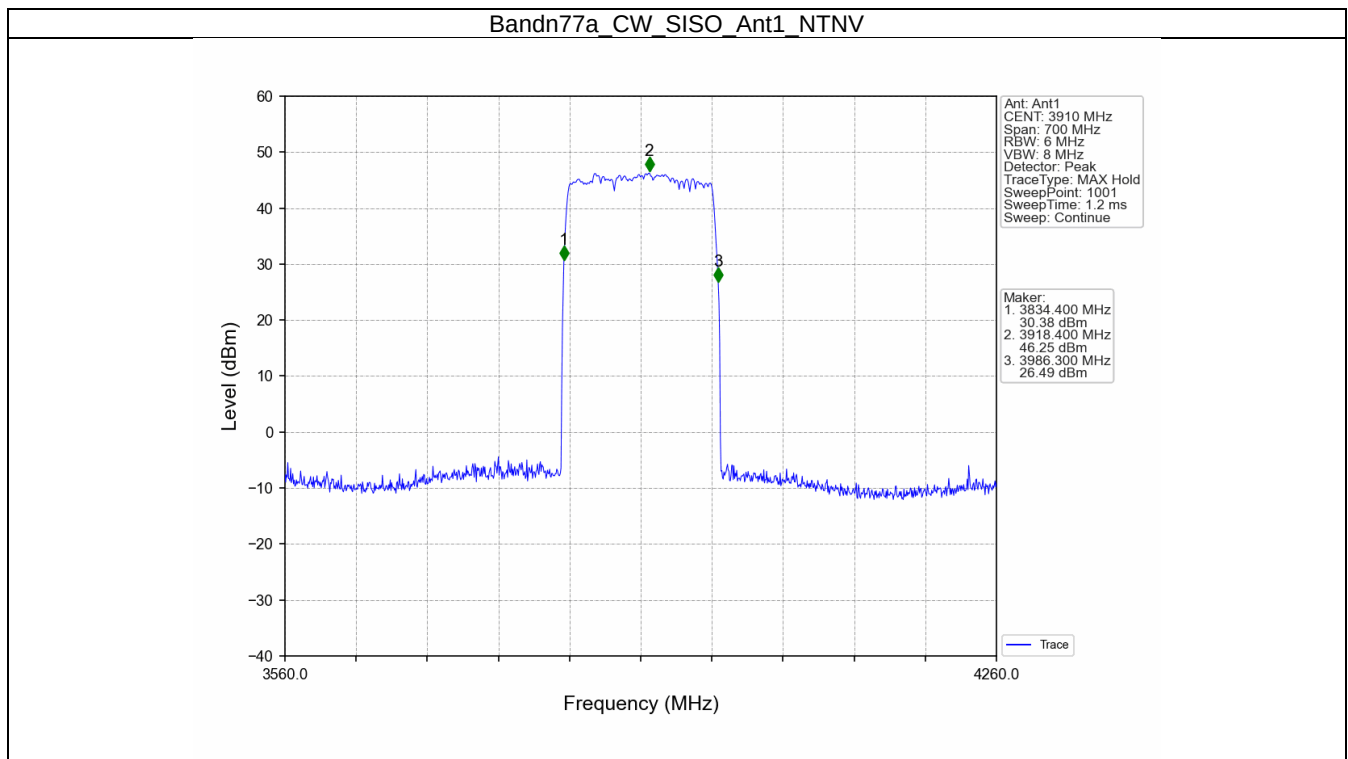
1. Out of band rejection

1.1 Bandn77

1.1.1 Test Result

Band: n77a / NTNV							
Signal	Sweep Frequency Range (MHz)	TX Type	ANT	F0 (MHz)	FL (MHz)	FH (MHz)	Verdict
CW	3560 - 4260	SISO	1	3918.400	3834.400	3986.300	Pass

1.1.2 Test Graph



2. AGC threshold

2.1 Bandn77a

2.1.1 Test Result

Band: n77a / NTNV					
Signal	Frequency (MHz)	TX Type	ANT	AGC Threshold (dBm)	Verdict
GMSK 0.2MHz	3918.4	SISO	1	-3.50	Pass
AWGN 5MHz	3918.4	SISO	1	-3.50	Pass
AWGN 100MHz	3918.4	SISO	1	-3.50	Pass

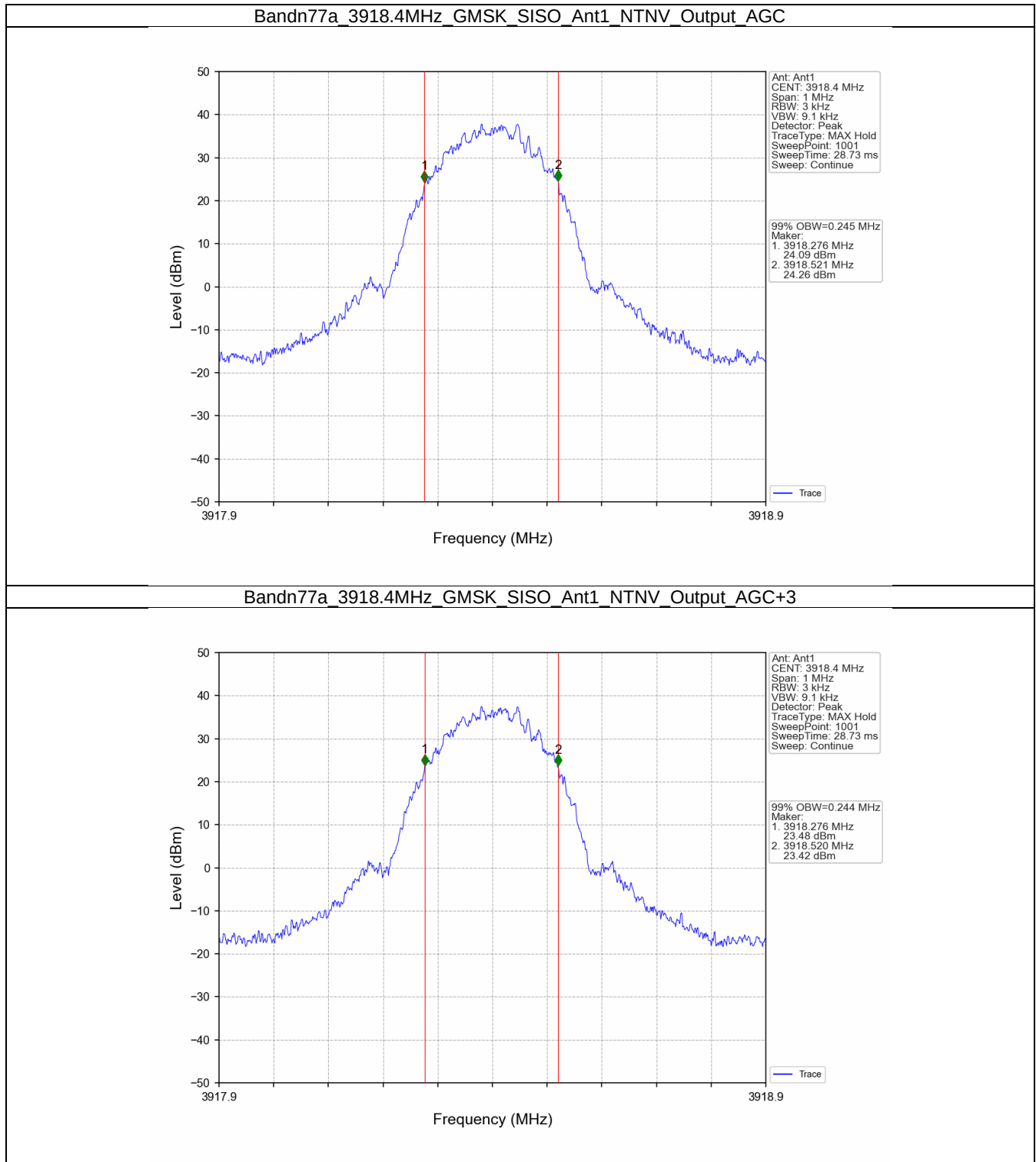
3. Input-versus-output signal comparison

3.1 Bandn77a_OBW

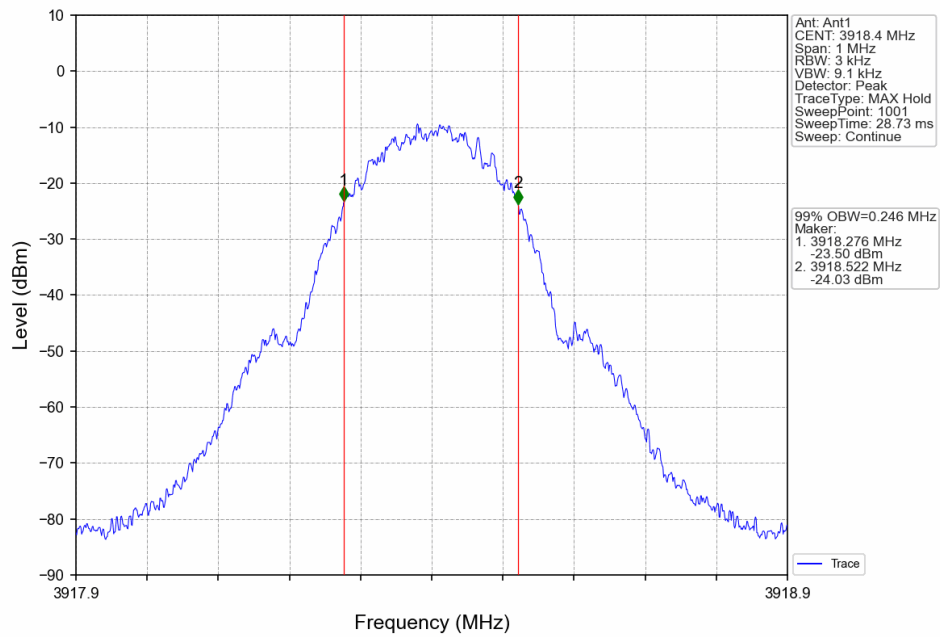
3.1.1 Test Result

Band: n77a / NTV							
Signal			TX Type	ANT	99% OBW (MHz)		Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	
GMSK 0.2MHz	-0.5	3918.4	SISO	1	0.245	0.246	Pass
	-3.5	3918.4	SISO	1	0.244	0.245	Pass
AWGN 5MHz	-0.5	3918.4	SISO	1	4.518	4.529	Pass
	-3.5	3918.4	SISO	1	4.538	4.517	Pass
AWGN 100MHz	-0.5	3918.4	SISO	1	97.474	97.630	Pass
	-3.5	3918.4	SISO	1	97.629	97.364	Pass

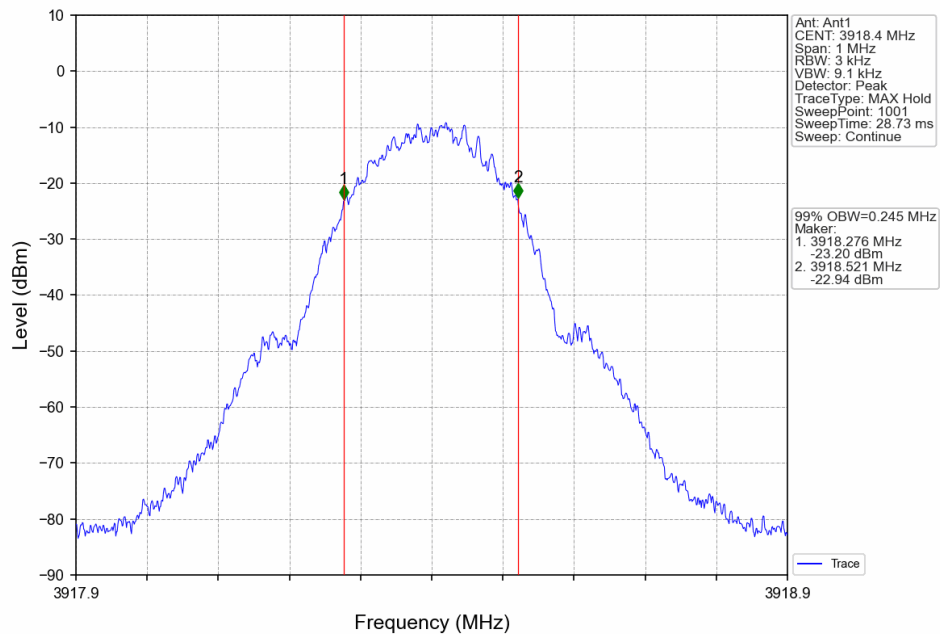
3.1.2 Test Graph



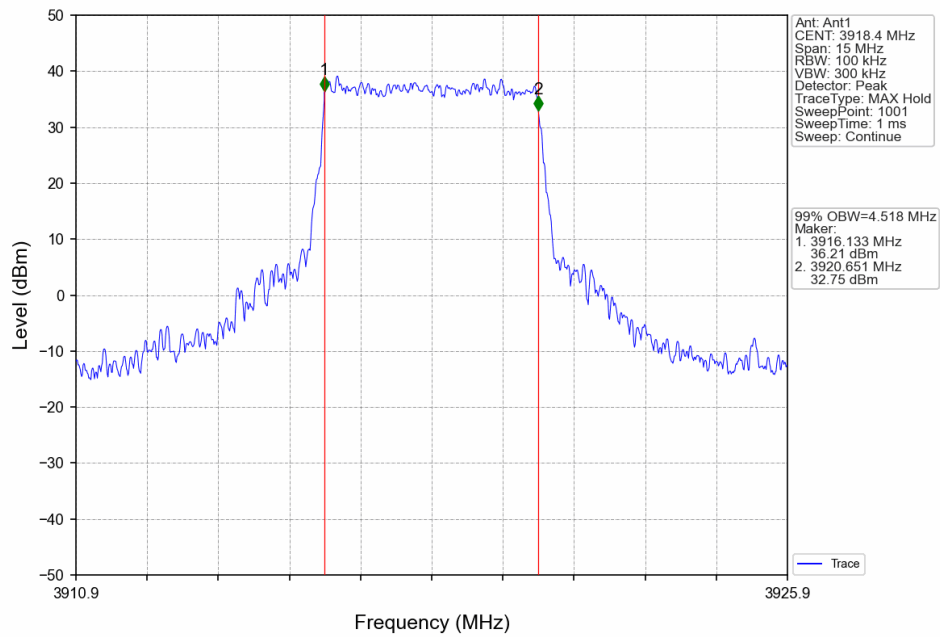
Bandn77a_3918.4MHz_GMSK_SISO_Ant1_NTNV_Input_AGC



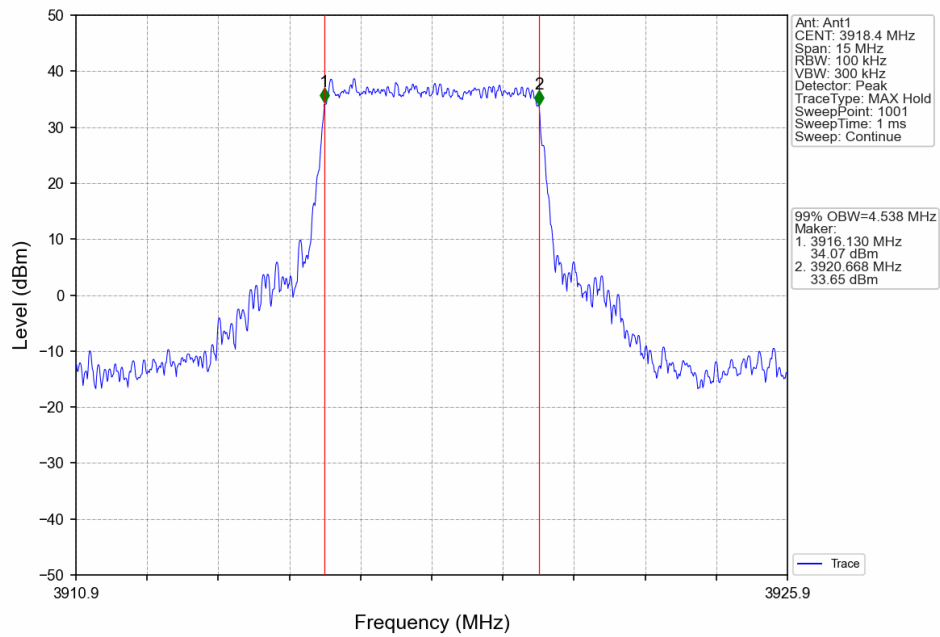
Bandn77a_3918.4MHz_GMSK_SISO_Ant1_NTNV_Input_AGC+3



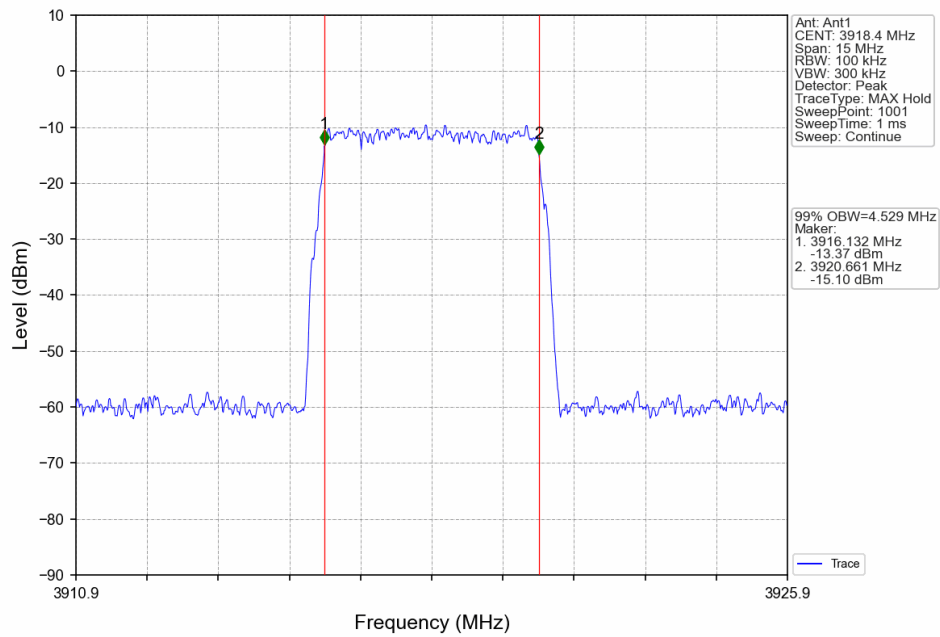
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_Output_AGC



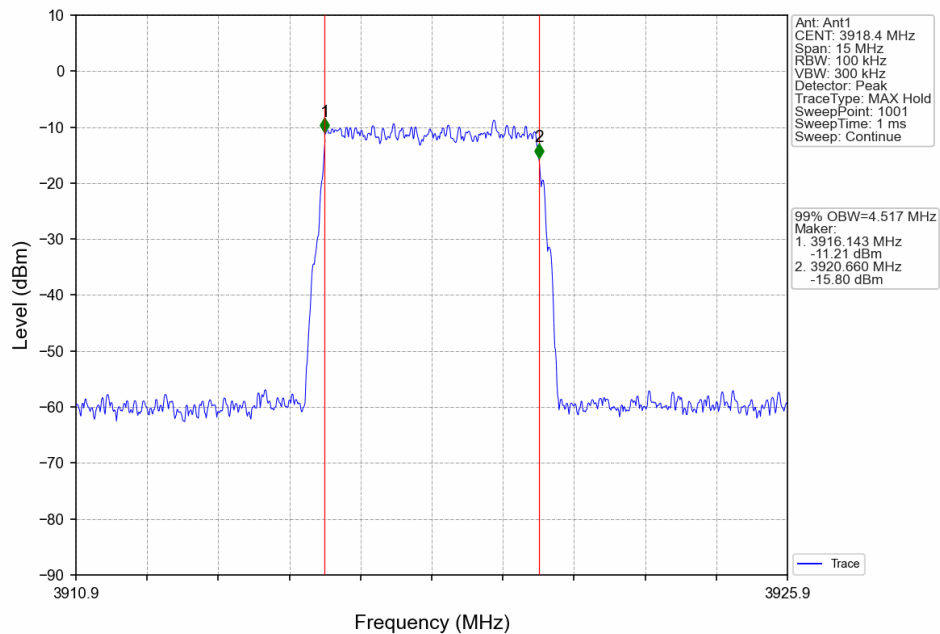
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_Output_AGC+3



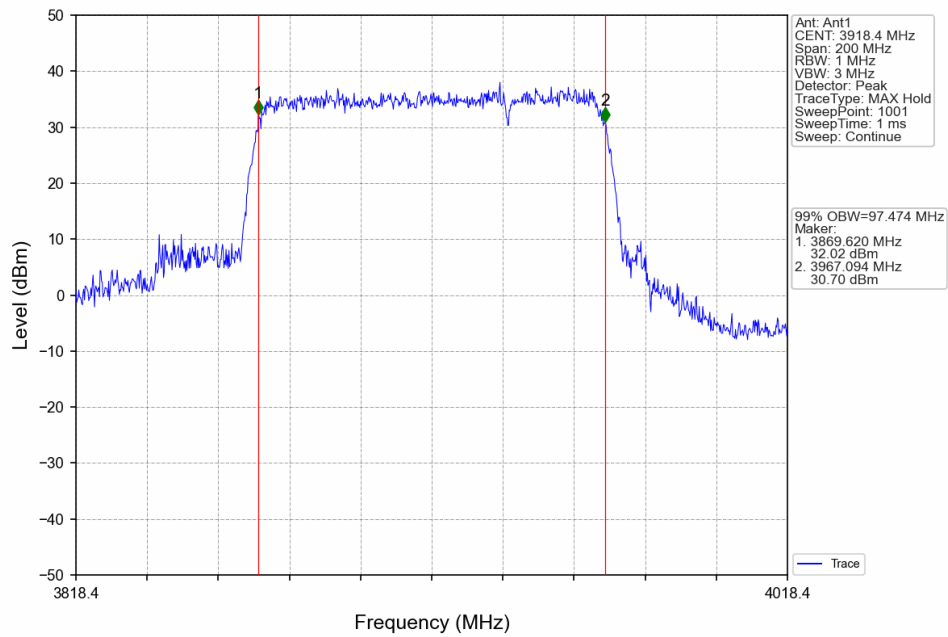
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_Input_AGC



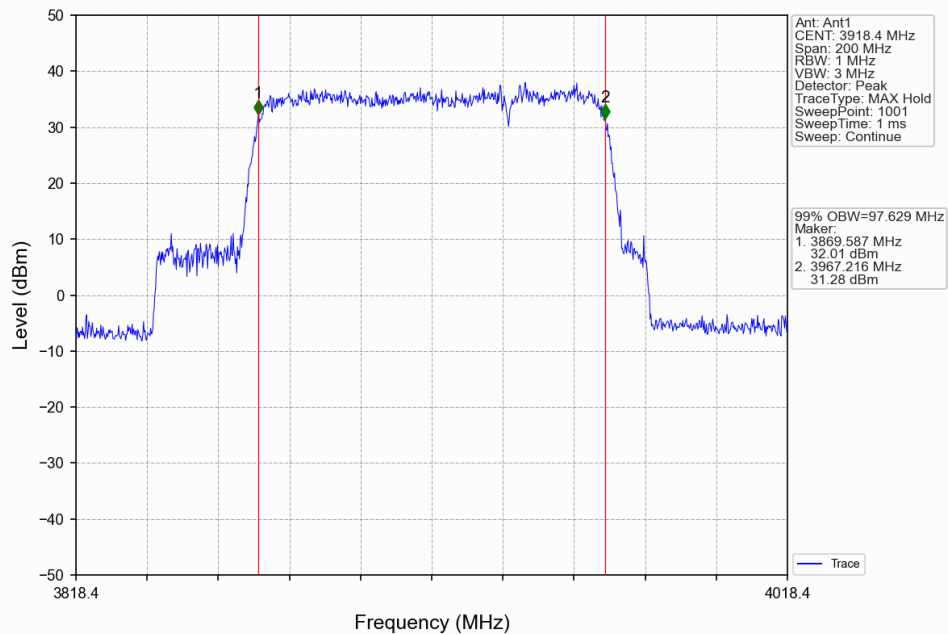
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_Input_AGC+3



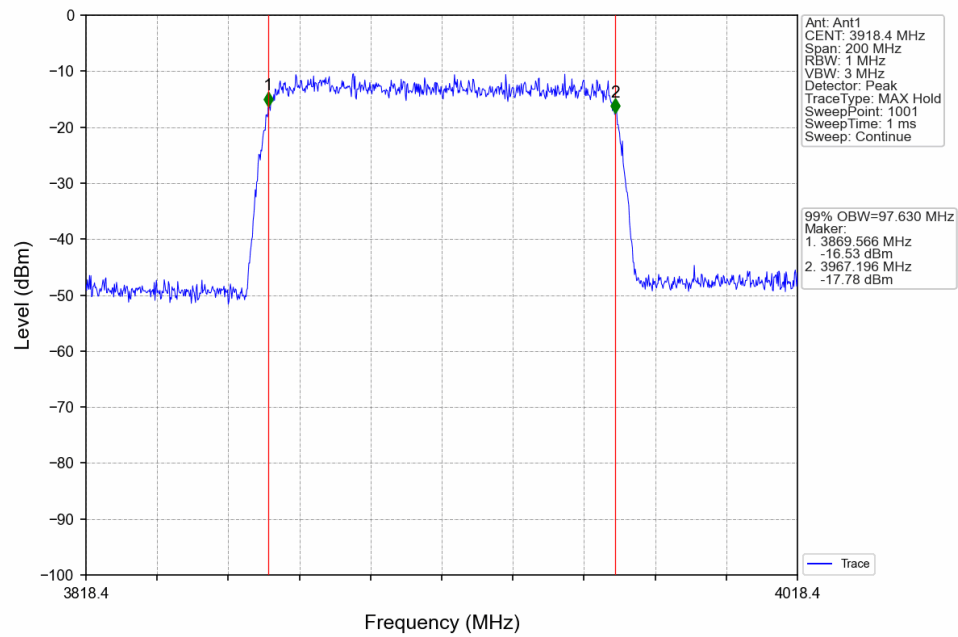
Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC



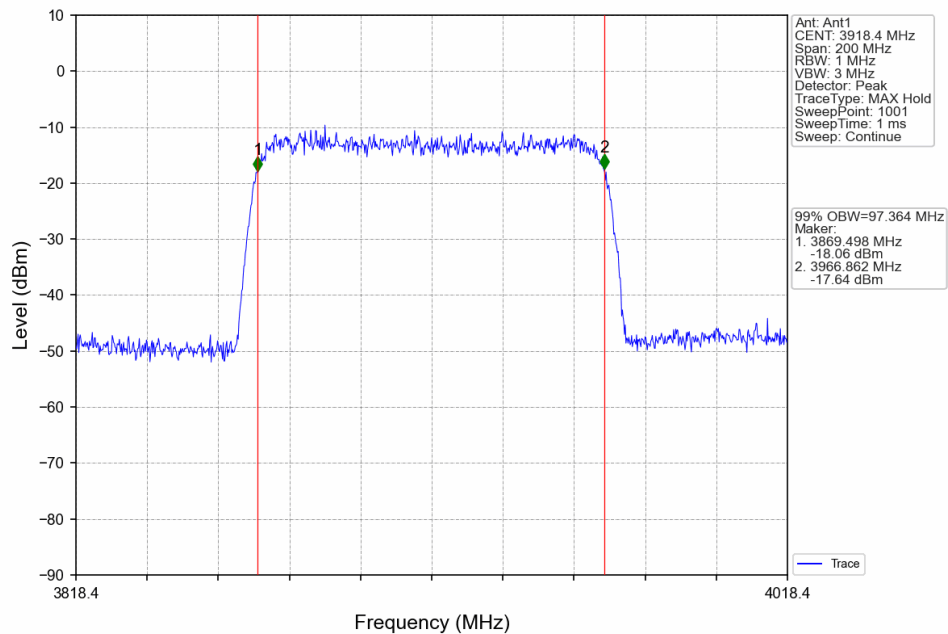
Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC+3



Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC



Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC+3

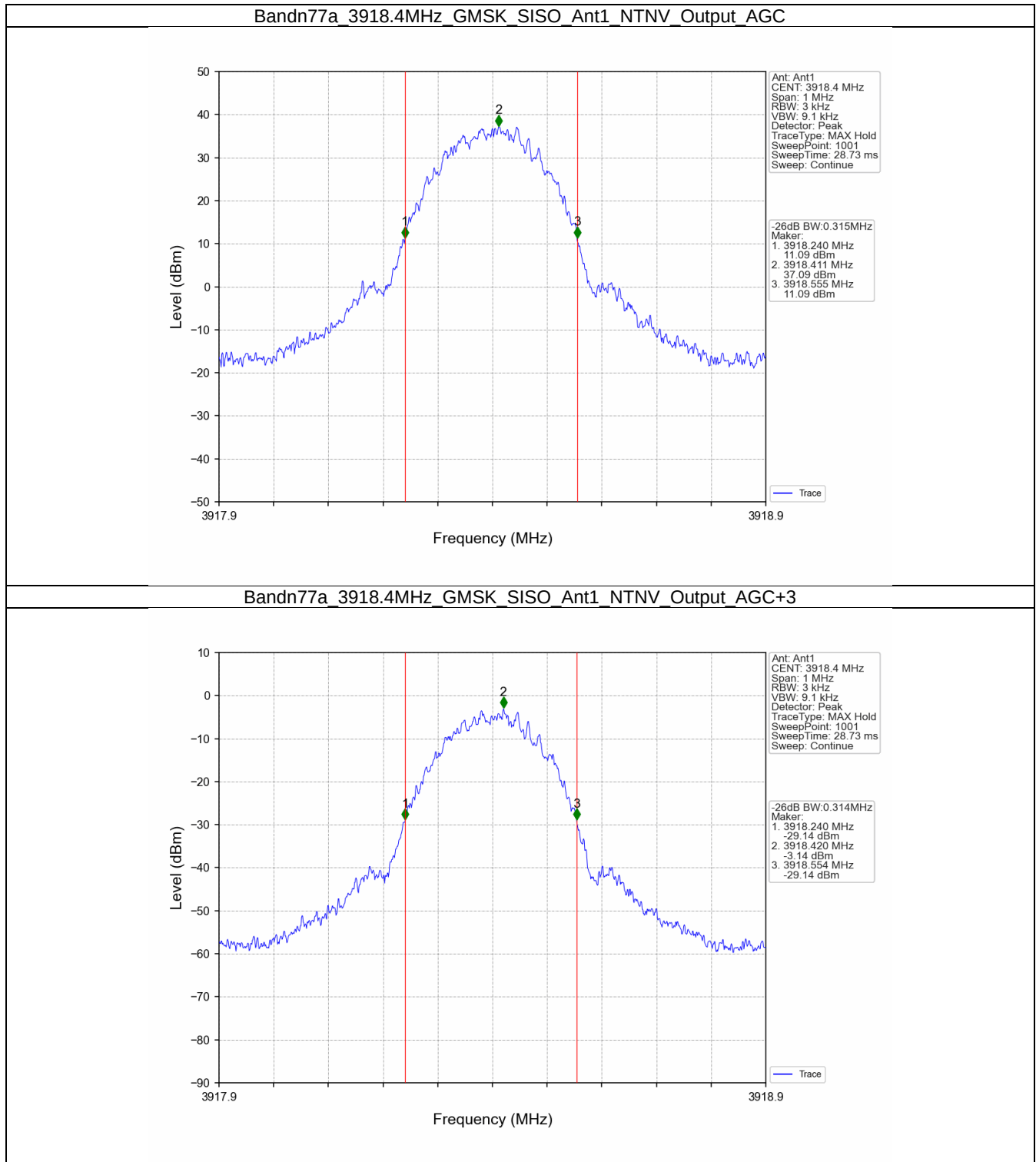


3.2 Bandn77a_EBW

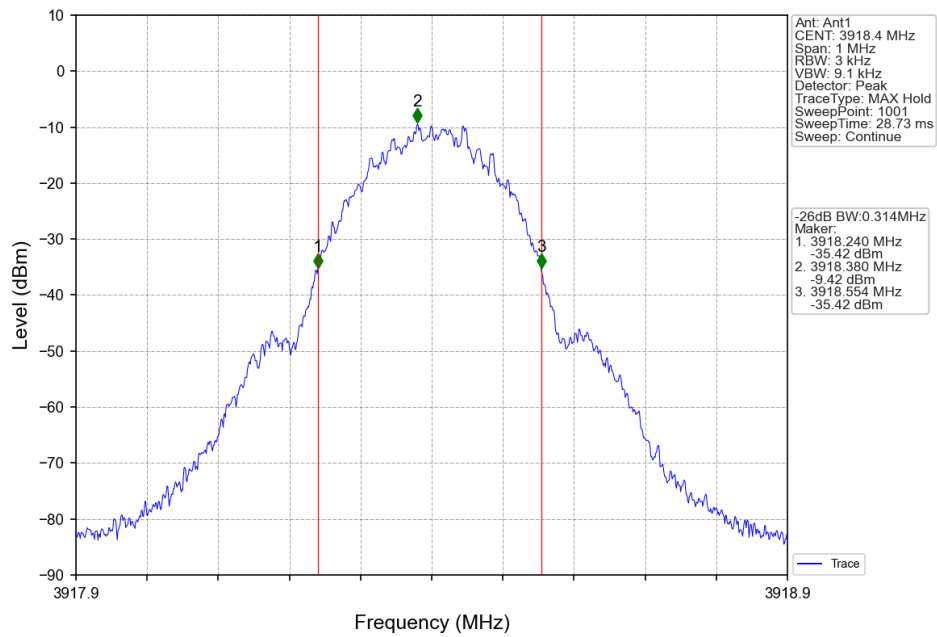
3.2.1 Test Result

Band: n77a / NTNV							
Signal			TX Type	ANT	26dB EBW (MHz)		Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	
GMSK 0.2MHz	-0.5	3918.4	SISO	1	0.315	0.314	Pass
	-3.5	3918.4	SISO	1	0.314	0.315	Pass
AWGN 5MHz	-0.5	3918.4	SISO	1	5.052	5.022	Pass
	-3.5	3918.4	SISO	1	5.013	4.972	Pass
AWGN 100MHz	-0.5	3918.4	SISO	1	106.109	105.810	Pass
	-3.5	3918.4	SISO	1	105.711	105.442	Pass

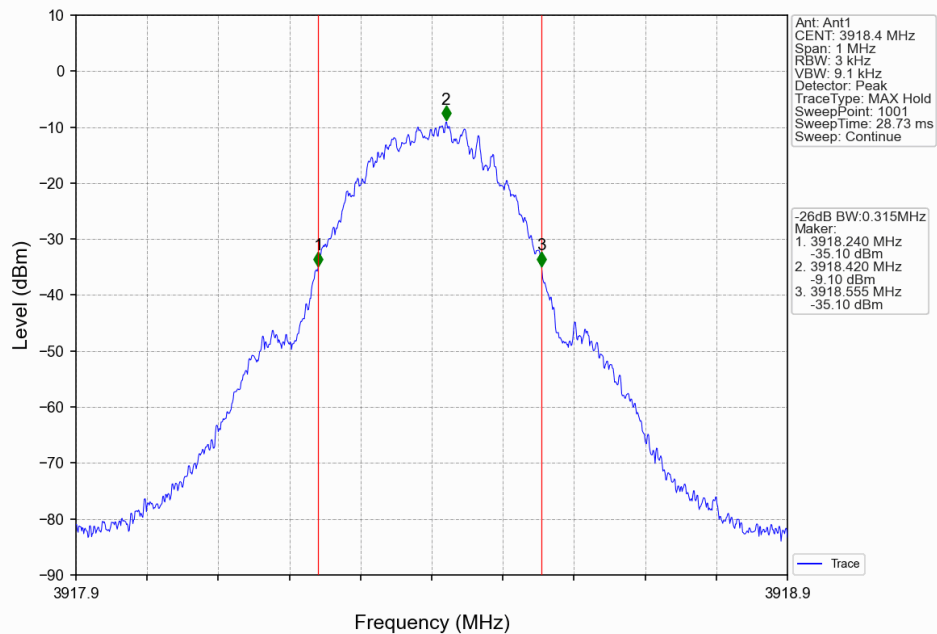
3.2.2 Test Graph



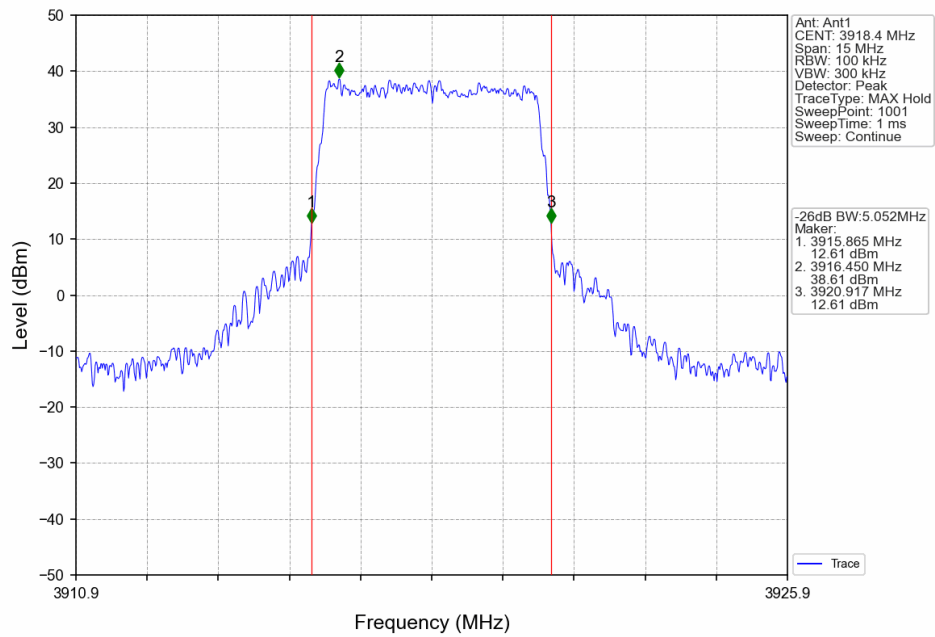
Bandn77a_3918.4MHz_GMSK_SISO_Ant1_NTNV_Input_AGC



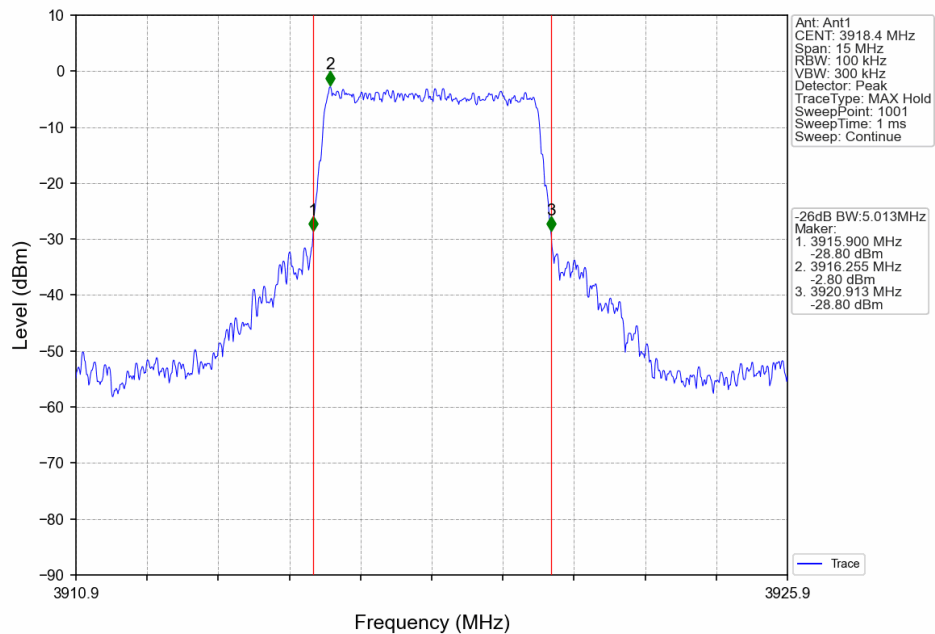
Bandn77a_3918.4MHz_GMSK_SISO_Ant1_NTNV_Input_AGC+3



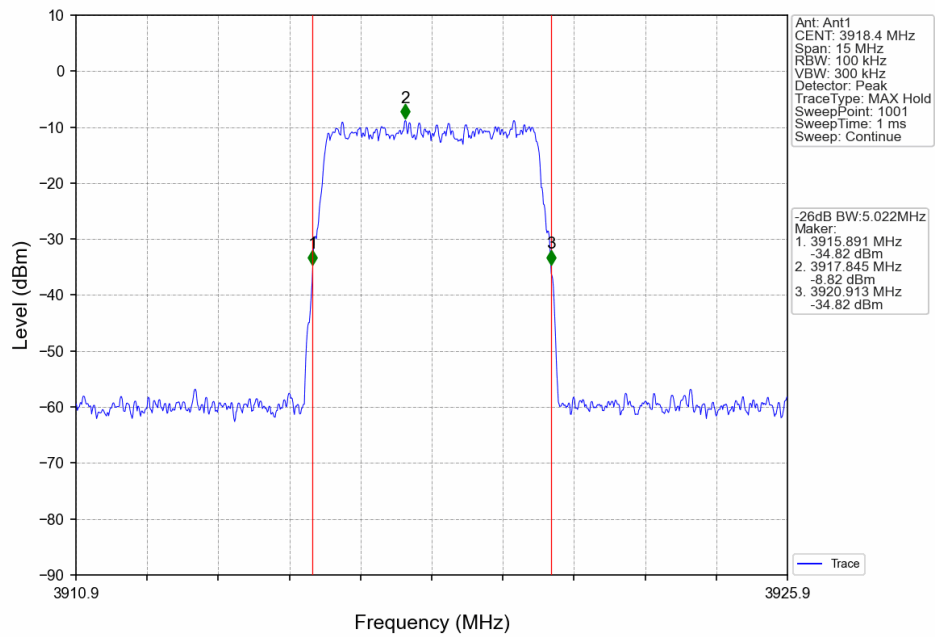
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_Output_AGC



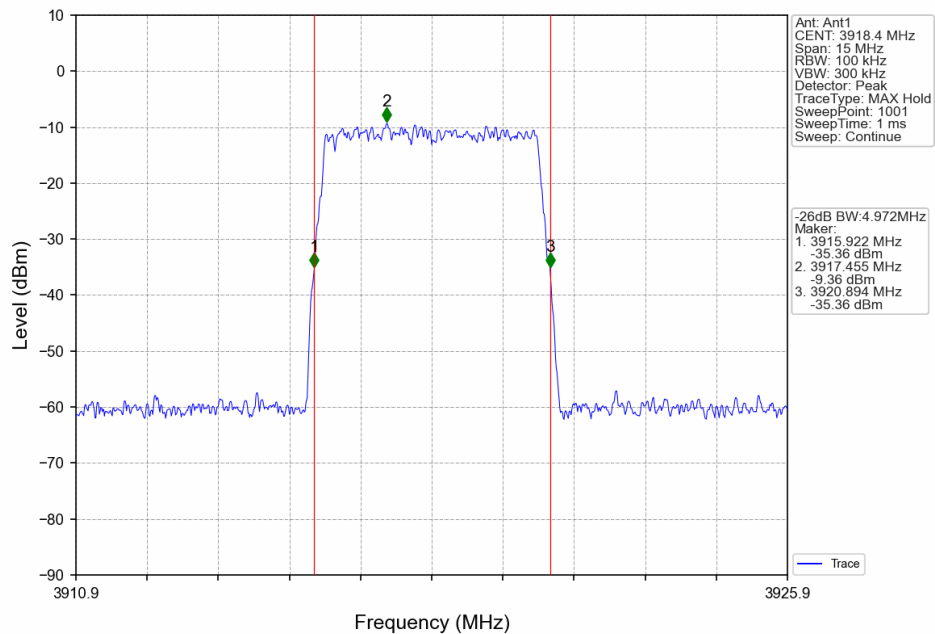
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_Output_AGC+3



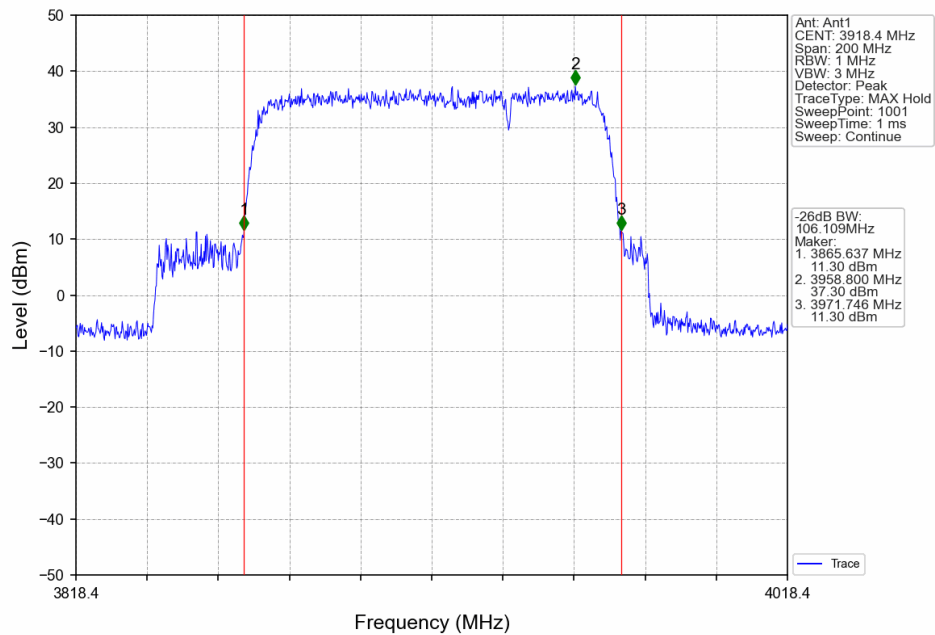
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_Input_AGC



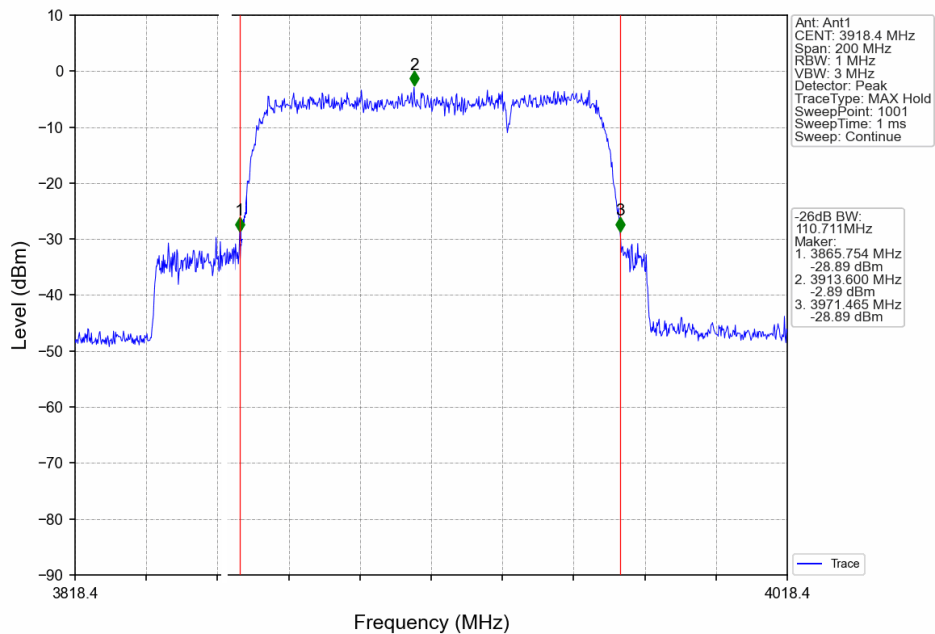
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_Input_AGC+3



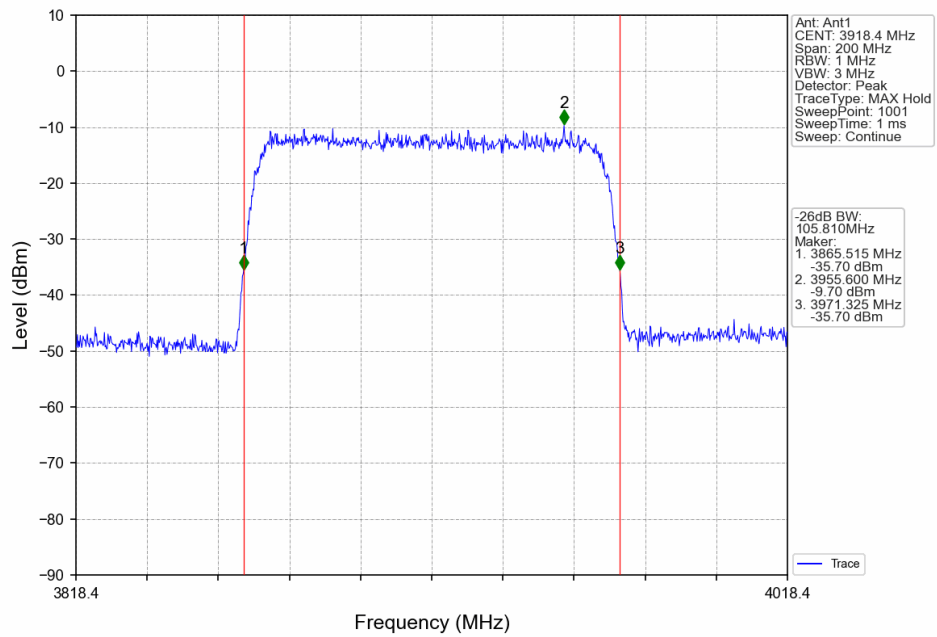
Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC



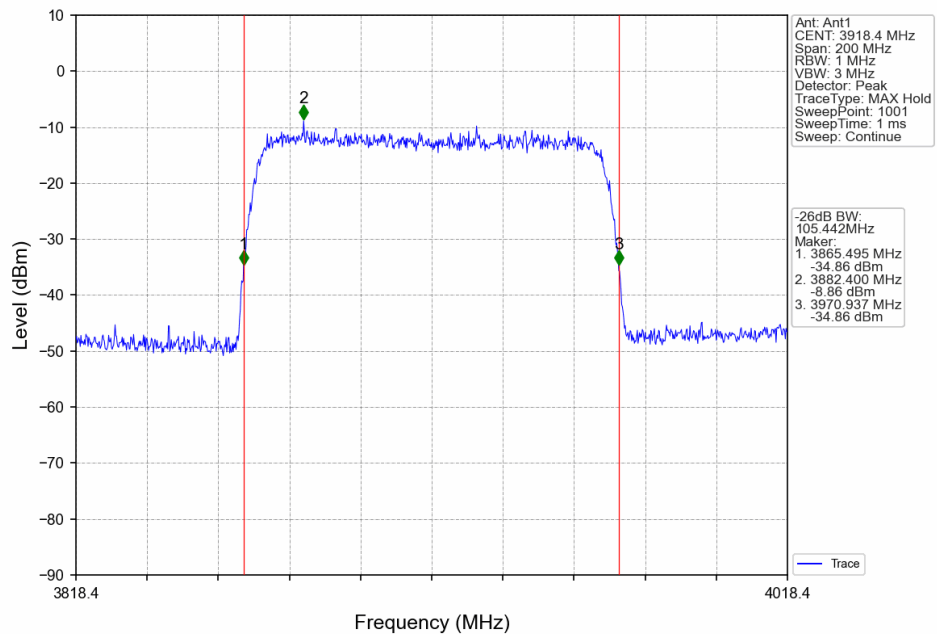
Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC+3



Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC



Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC+3



4. Input/output power and amplifier/booster gain

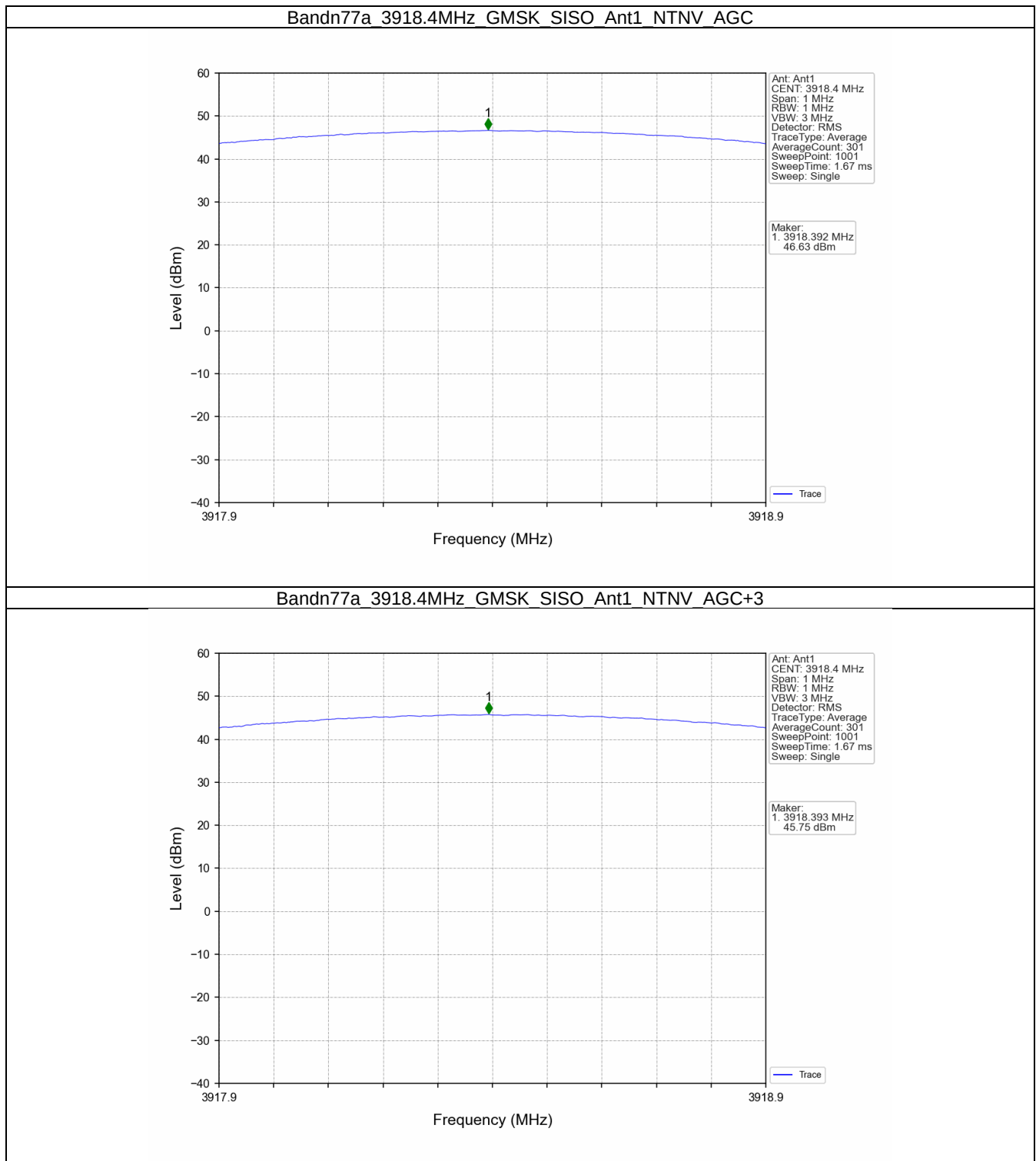
4.1 Bandn77a_EIRP

4.1.1 Test Result

Band: n77a / NTNV											
Signal			TX Type	ANT	Conducted Power (dBm/MHz)		EIRP (dBm/MHz)		Limit	Booster Gain (dB)	Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	SISO	2*2MIMO			
GMSK 0.2MHz	-3.5	3918.4	SISO	1	46.63	-3.93	58.63	61.64	<=62.15	50.57	Pass
	-0.5	3918.4	SISO	1	45.75	-0.92	57.75	60.76	<=62.15	/	Pass
AWGN 5MHz	-3.5	3918.4	SISO	1	39.84	-9.11	51.84	54.85	<=62.15	48.95	Pass
	-0.5	3918.4	SISO	1	39.64	-6.04	51.64	54.65	<=62.15	/	Pass
AWGN 100MHz	-3.5	3918.4	SISO	1	27.75	-21.45	39.75	42.76	<=62.15	49.19	Pass
	-0.5	3918.4	SISO	1	29.44	-18.45	41.44	44.45	<=62.15	/	Pass

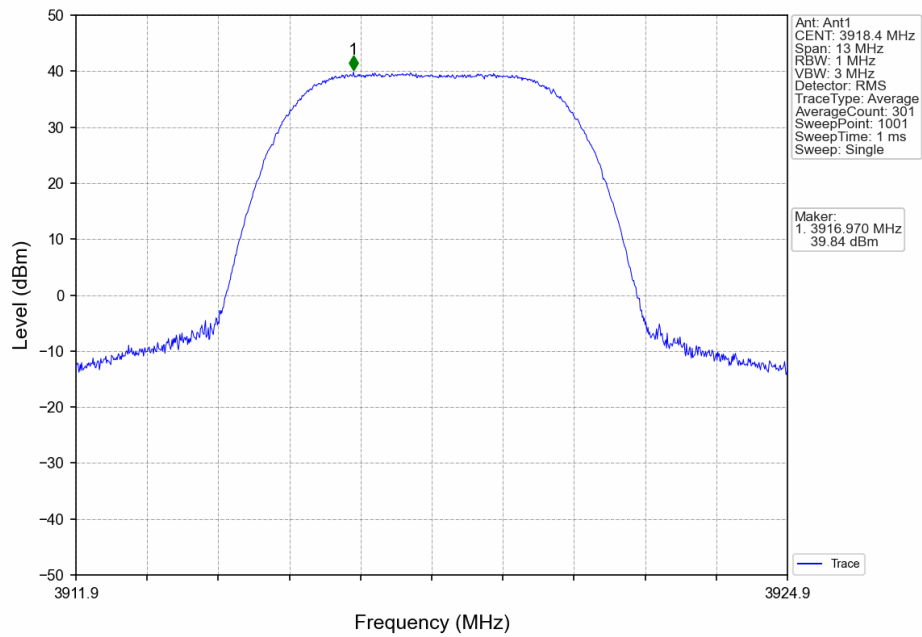
Band: N77a / NTNV									
Operation Band	Frequency (MHz)	Signal	Signal Level	Input Power (dBm)	Total Output Power (dBm)		EIRP(dBm)		Booster Gain (dB)
					SISO	2*2MIMO	SISO	2*2MIMO	
3840MHz-3980MHz	3918.4	GMSK 0.2MHz	Pre-AGC	-3.5	45.98	49.00	57.98	60.99	/
			3dB Above AGC	-0.5	45.97	48.99	57.97	60.98	/
	3918.4	AWGN 5MHz	Pre-AGC	-3.5	45.89	48.91	57.89	60.90	/
			3dB Above AGC	-0.5	45.94	48.96	57.94	60.95	/
	3918.4	AWGN 100MHz	Pre-AGC	-3.5	45.87	48.89	57.87	60.88	
			3dB Above AGC	-0.5	45.99	49.01	57.99	61.00	

4.1.2 Test Graph

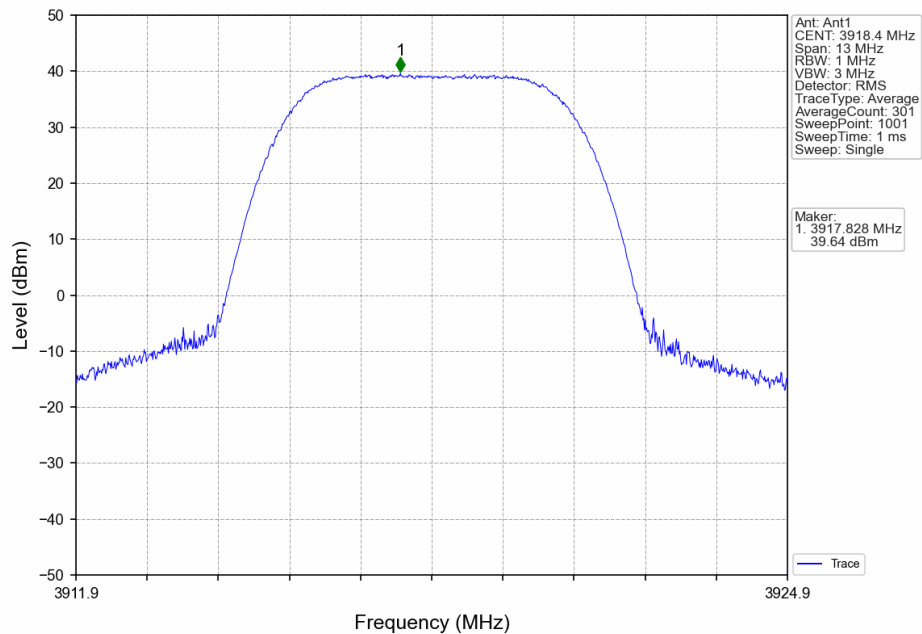




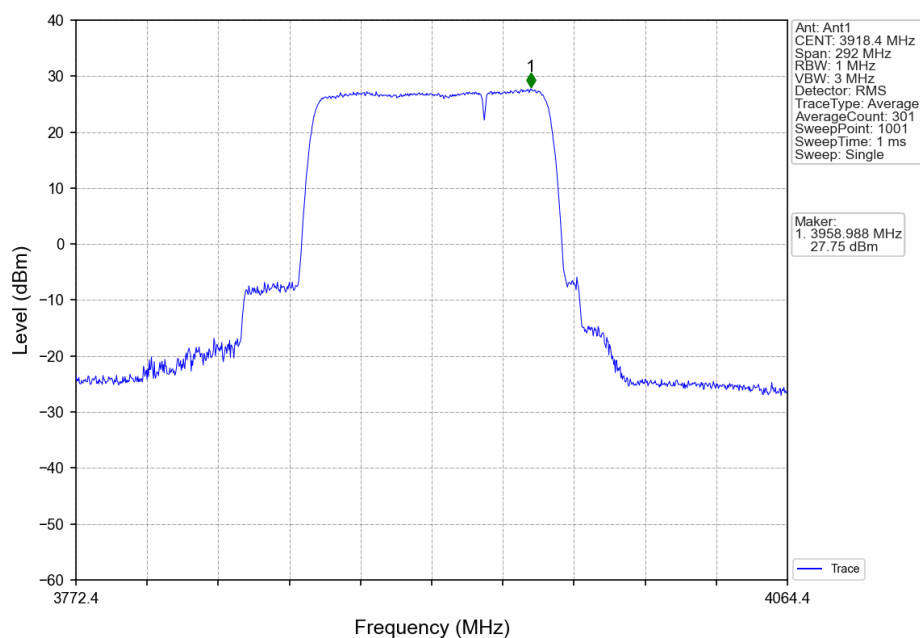
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_AGC



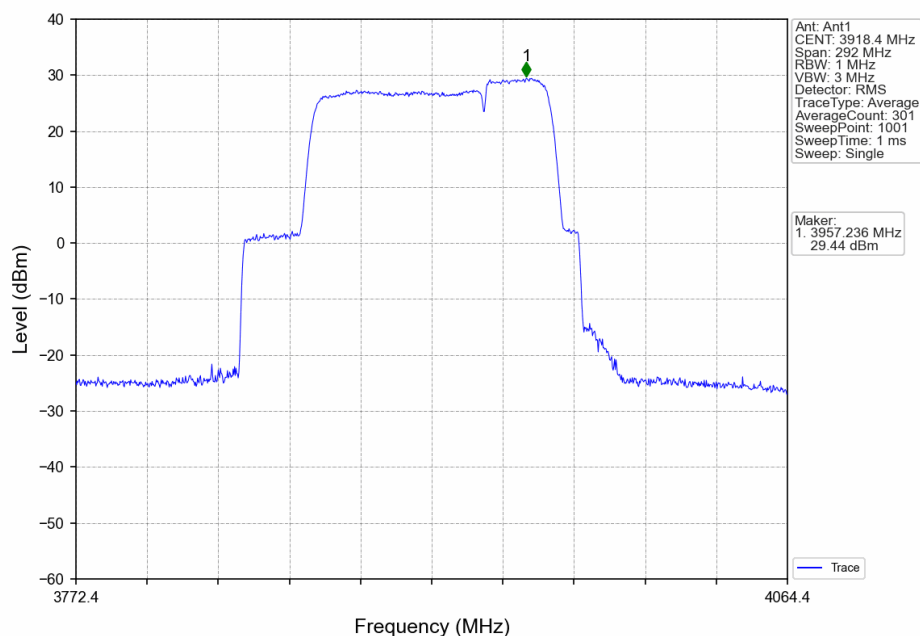
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_AGC+3



Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



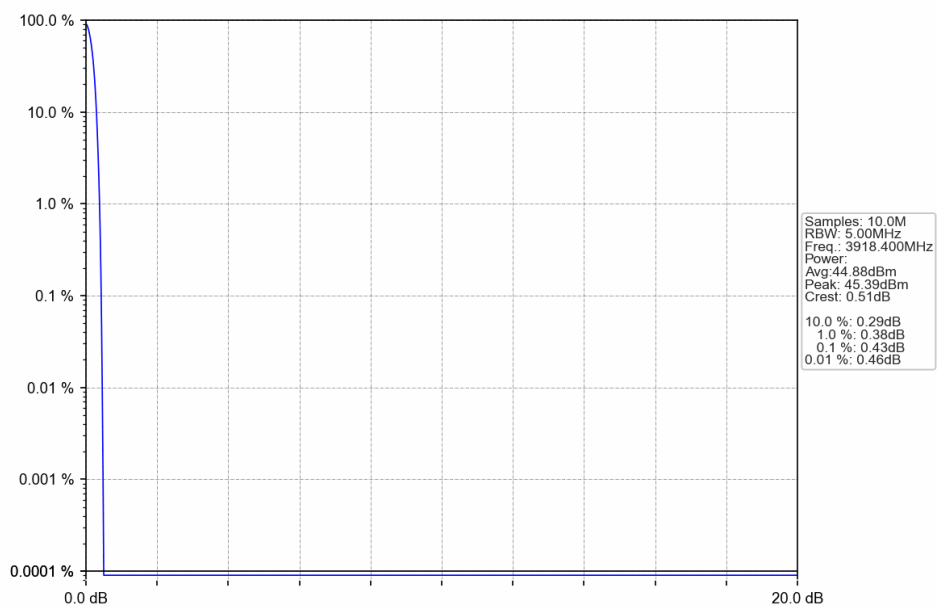
4.2 Bandn77a_PAPR

4.2.1 Test Result

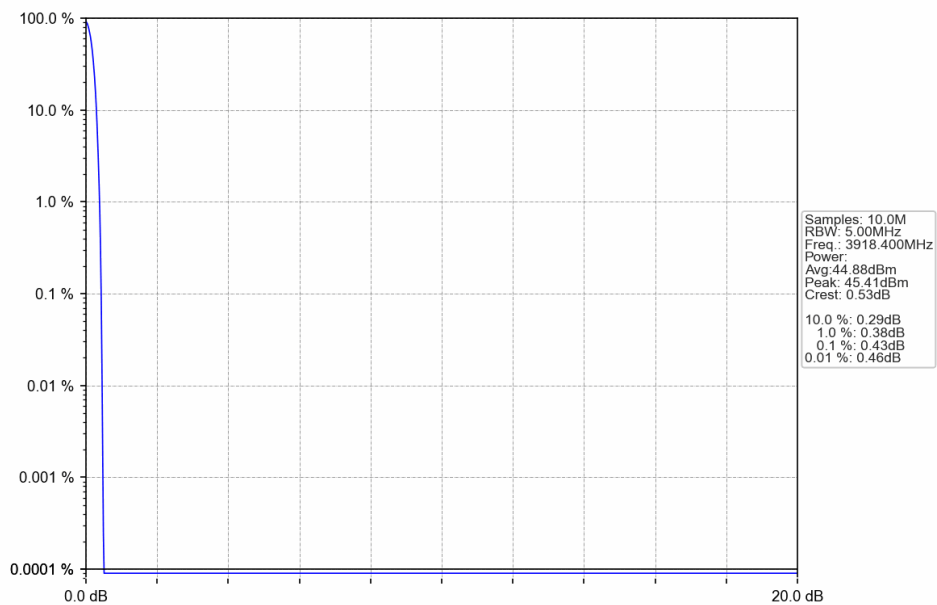
Band: n77a / NTNV							
Signal			TX Type	ANT	PAPR (dB)		Verdict
Type	Level (dBm)	Frequency (MHz)			Result	Limit	
GMSK 0.2MHz	-3.5	3918.4	SISO	1	0.43	<=13	Pass
	-0.5	3918.4	SISO	1	0.43	<=13	Pass
AWGN 5MHz	-3.5	3918.4	SISO	1	7.86	<=13	Pass
	-0.5	3918.4	SISO	1	7.63	<=13	Pass
AWGN 100MHz	-3.5	3918.4	SISO	1	8.40	<=13	Pass
	-0.5	3918.4	SISO	1	8.38	<=13	Pass

4.2.2 Test Graph

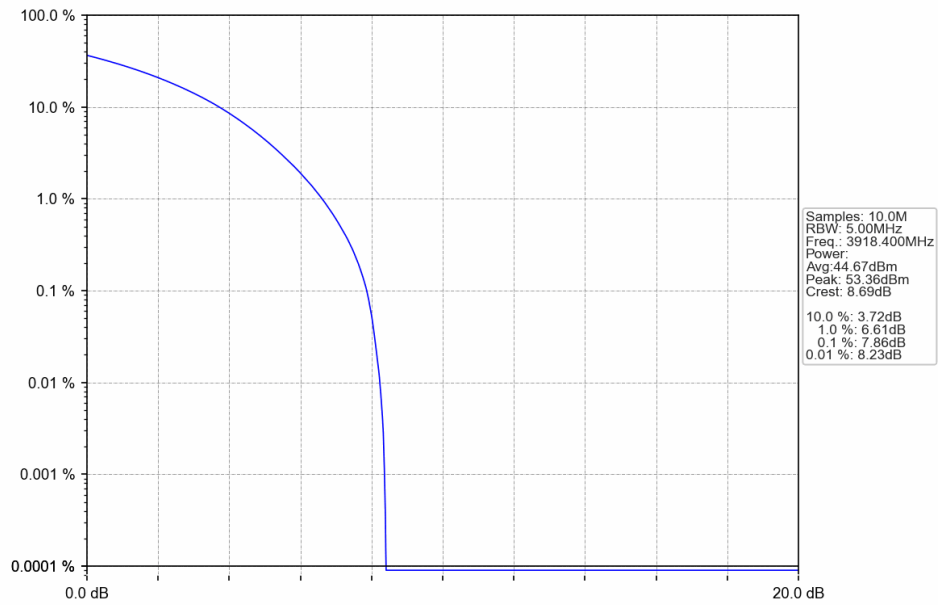
Bandn77a_3918.4MHz_GMSK_SISO_Ant1_NTNV_AGC



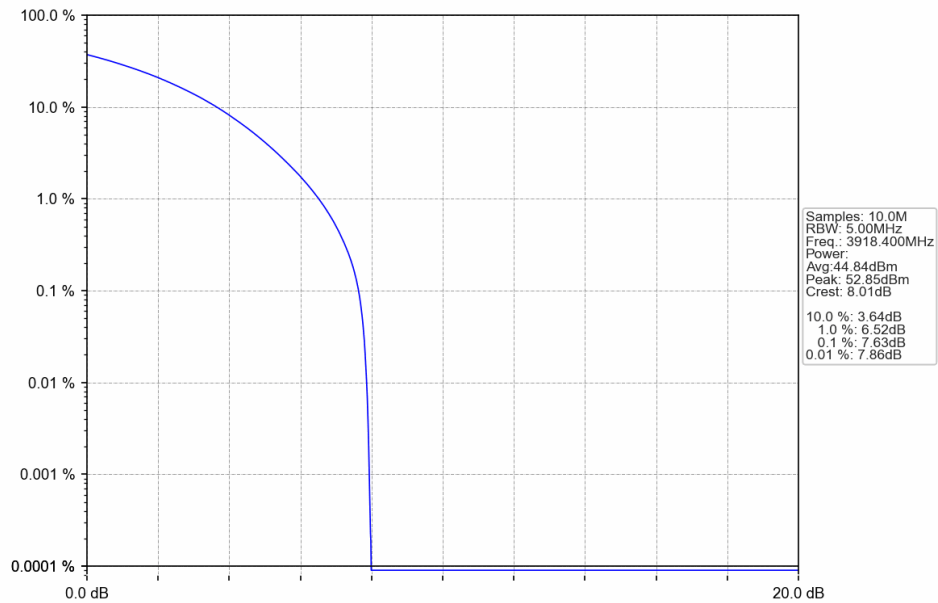
Bandn77a_3918.4MHz_GMSK_SISO_Ant1_NTNV_AGC+3



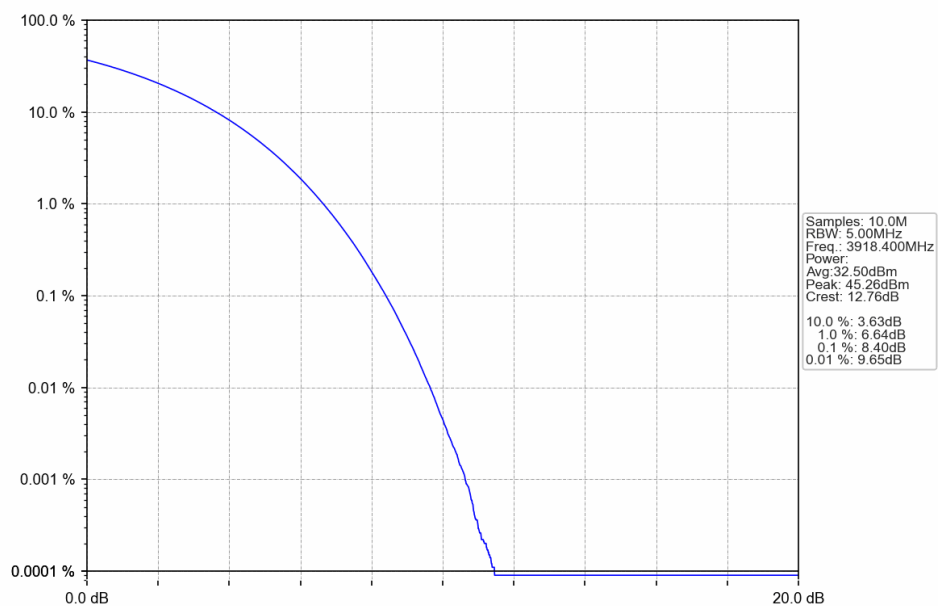
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_AGC



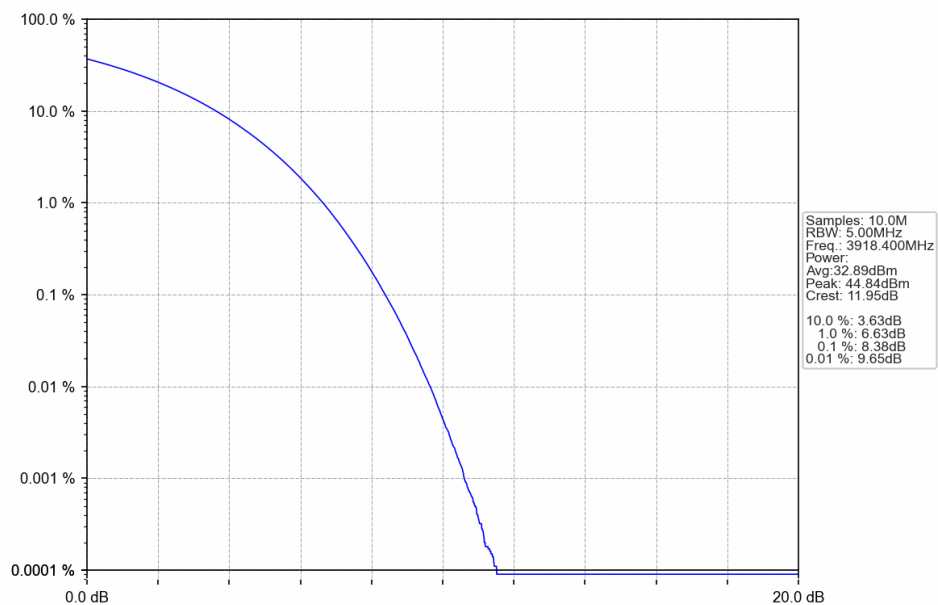
Bandn77a_3918.4MHz_AWGN_SISO_Ant1_NTNV_AGC+3



Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



Bandn77a_3918.4MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



5. Out-of-band/out-of-block (including intermodulation) emissions

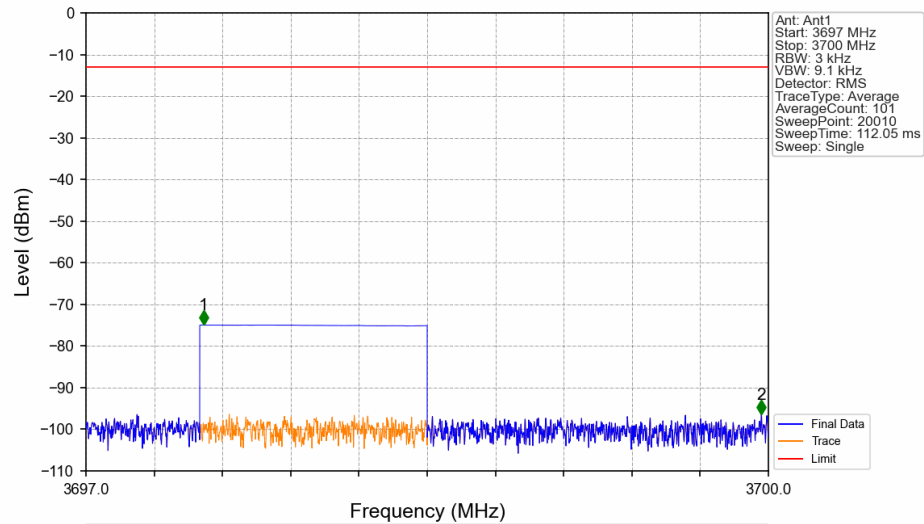
5.1 Band n77a

5.1.1 Test Result

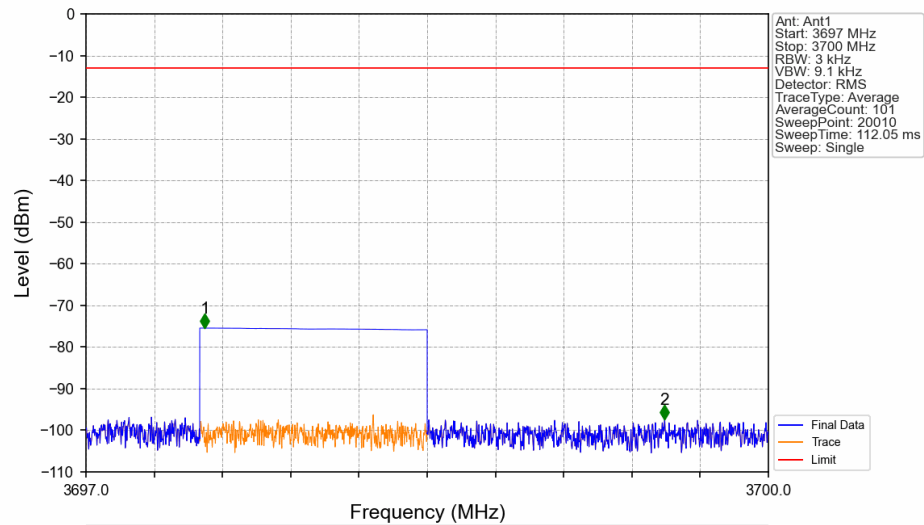
Band: n77a / NTNV									
Signal				Channel	TX Type	ANT	OOB (dBm)		Verdict
Input	Type	Level (dBm)	Frequency (MHz)				Result	Limit	
Two	GMSK 0.2MHz	-3.5	3840.2	LCH	SISO	1	-74.95	Refer To Test Graph	Pass
		-0.5	3840.2	LCH	SISO	1	-75.45	Refer To Test Graph	Pass
One	GMSK 0.2MHz	-3.5	3840.2	LCH	SISO	1	-74.89	Refer To Test Graph	Pass
		-0.5	3840.2	LCH	SISO	1	-75.53	Refer To Test Graph	Pass
Two	GMSK 0.2MHz	-3.5	3979.8	HCH	SISO	1	-57.02	Refer To Test Graph	Pass
		-0.5	3979.8	HCH	SISO	1	-54.78	Refer To Test Graph	Pass
One	GMSK 0.2MHz	-3.5	3979.8	HCH	SISO	1	-57.21	Refer To Test Graph	Pass
		-0.5	3979.8	HCH	SISO	1	-54.90	Refer To Test Graph	Pass
Two	AWGN 5MHz	-3.5	3842.5	LCH	SISO	1	-75.37	Refer To Test Graph	Pass
		-0.5	3842.5	LCH	SISO	1	-75.98	Refer To Test Graph	Pass
One	AWGN 5MHz	-3.5	3842.5	LCH	SISO	1	-75.68	Refer To Test Graph	Pass
		-0.5	3842.5	LCH	SISO	1	-75.67	Refer To Test Graph	Pass
Two	AWGN 5MHz	-3.5	3977.5	HCH	SISO	1	-45.94	Refer To Test Graph	Pass
		-0.5	3977.5	HCH	SISO	1	-53.85	Refer To Test Graph	Pass
One	AWGN 5MHz	-3.5	3977.5	HCH	SISO	1	-47.49	Refer To Test Graph	Pass
		-0.5	3977.5	HCH	SISO	1	-54.11	Refer To Test Graph	Pass
Two	AWGN 100MHz	-3.5	3890	LCH	SISO	1	-71.55	Refer To Test Graph	Pass
		-0.5	3890	LCH	SISO	1	-70.25	Refer To Test Graph	Pass
One	AWGN 100MHz	-3.5	3890	LCH	SISO	1	-72.31	Refer To Test Graph	Pass
		-0.5	3890	LCH	SISO	1	-71.13	Refer To Test Graph	Pass
Two	AWGN 100MHz	-3.5	3930	HCH	SISO	1	-22.20	Refer To Test Graph	Pass
		-0.5	3930	HCH	SISO	1	-20.56	Refer To Test Graph	Pass
One	AWGN 100MHz	-3.5	3930	HCH	SISO	1	-21.94	Refer To Test Graph	Pass
		-0.5	3930	HCH	SISO	1	-20.61	Refer To Test Graph	Pass

5.1.2 Test Graph

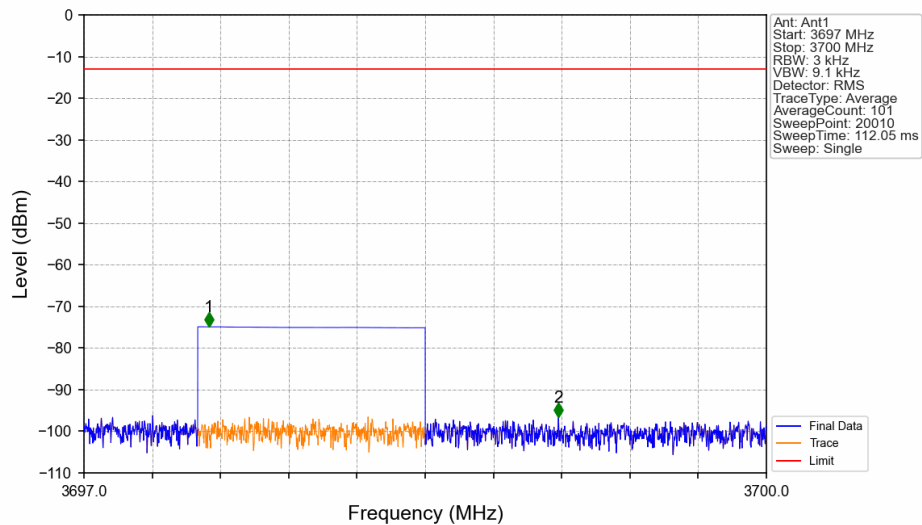
Bandn77a_3840.2MHz_GMSK_SISO_Ant1_NTNV_AGC



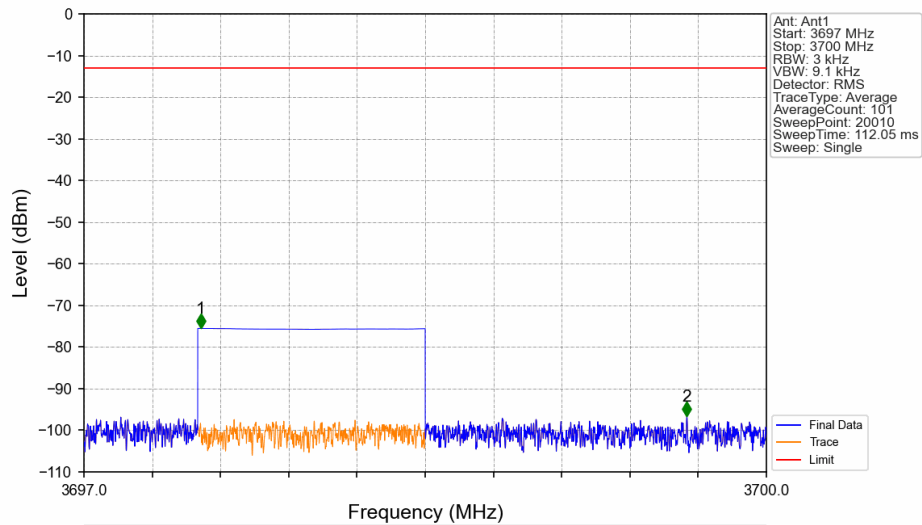
Bandn77a_3840.2MHz_GMSK_SISO_Ant1_NTNV_AGC+3



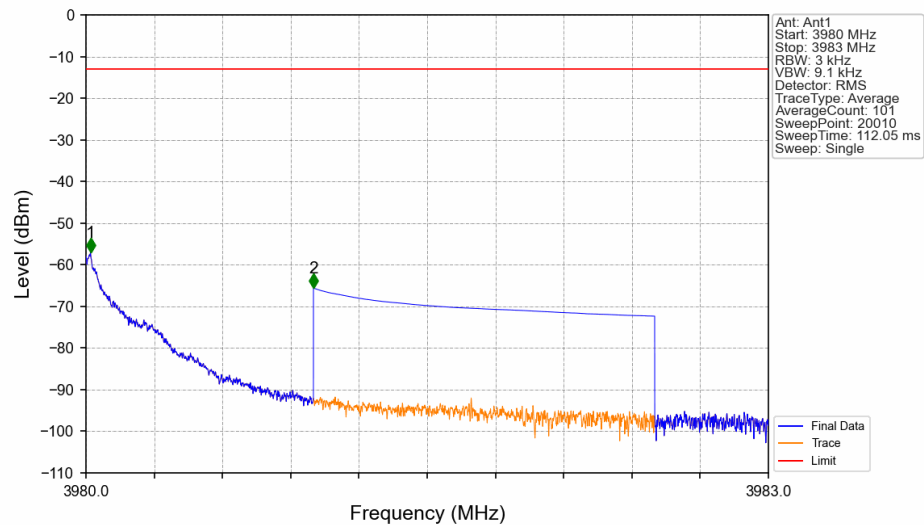
Bandn77a_3840.2MHz_GMSK_SISO_Ant1_NTNV_AGC



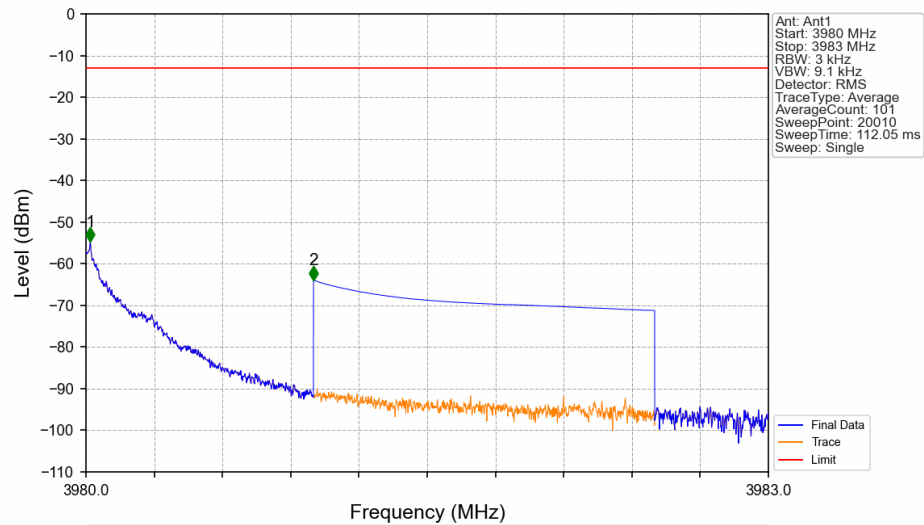
Bandn77a_3840.2MHz_GMSK_SISO_Ant1_NTNV_AGC+3



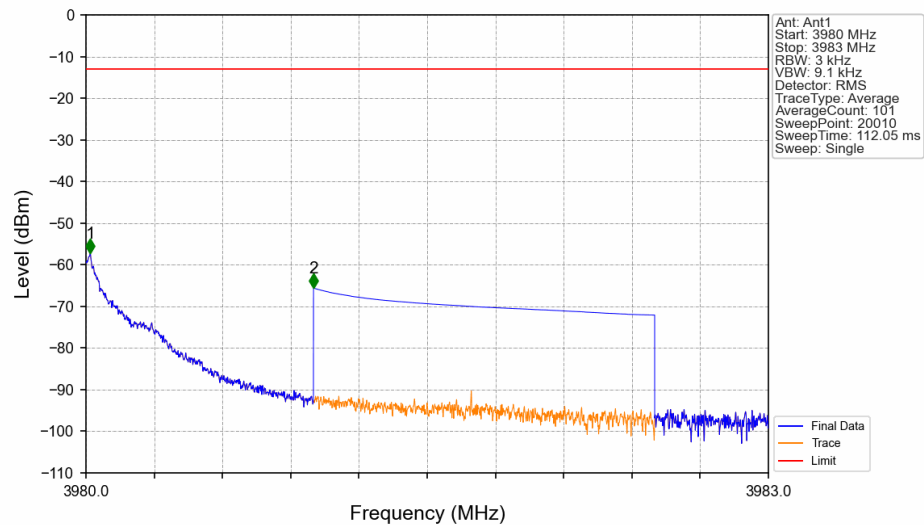
Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV_AGC



Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV_AGC+3

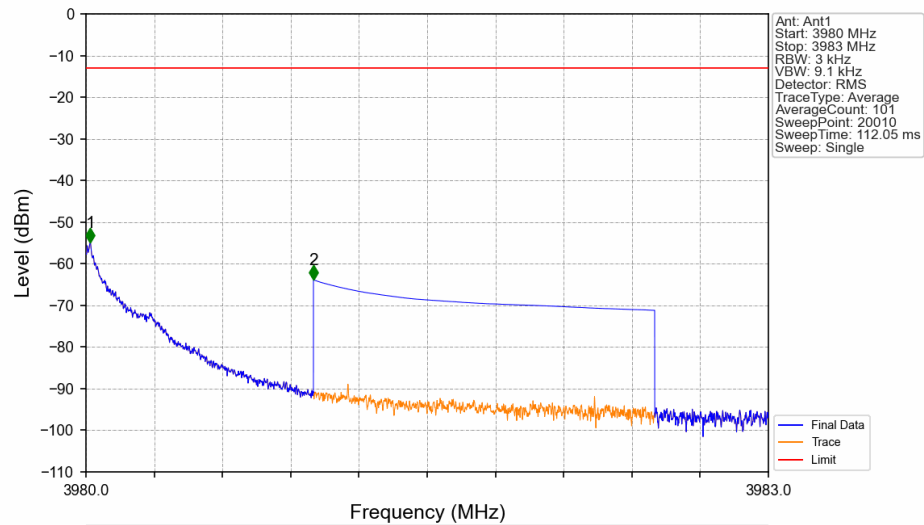


Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV_AGC



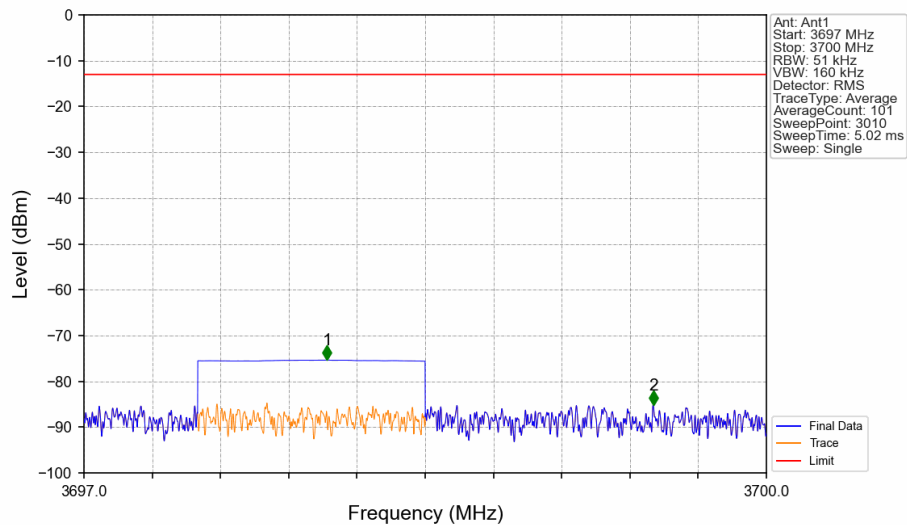
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	0.003	/	1	3980.019	-57.21	-13	Pass
3981	3983	1	CHP	2	3981.000	-65.57	-13	Pass

Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV_AGC+3

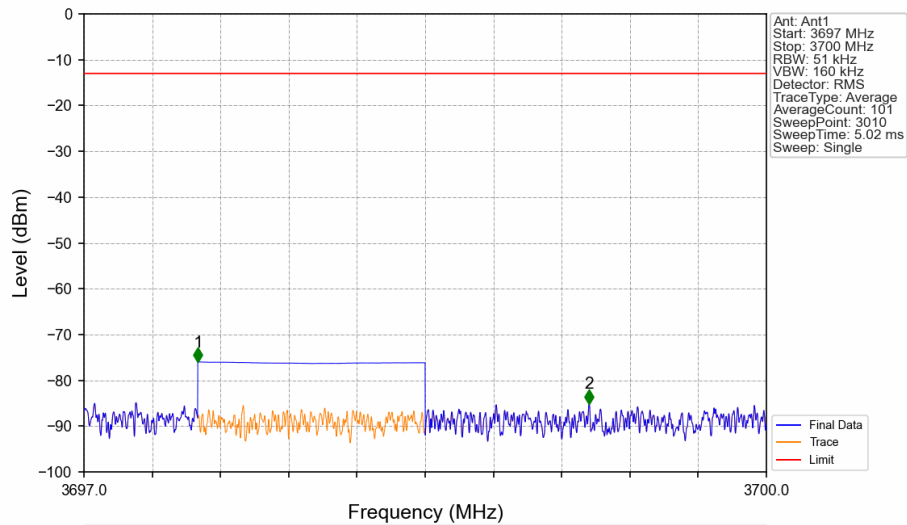


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	0.003	/	1	3980.019	-54.90	-13	Pass
3981	3983	1	CHP	2	3981.000	-63.87	-13	Pass

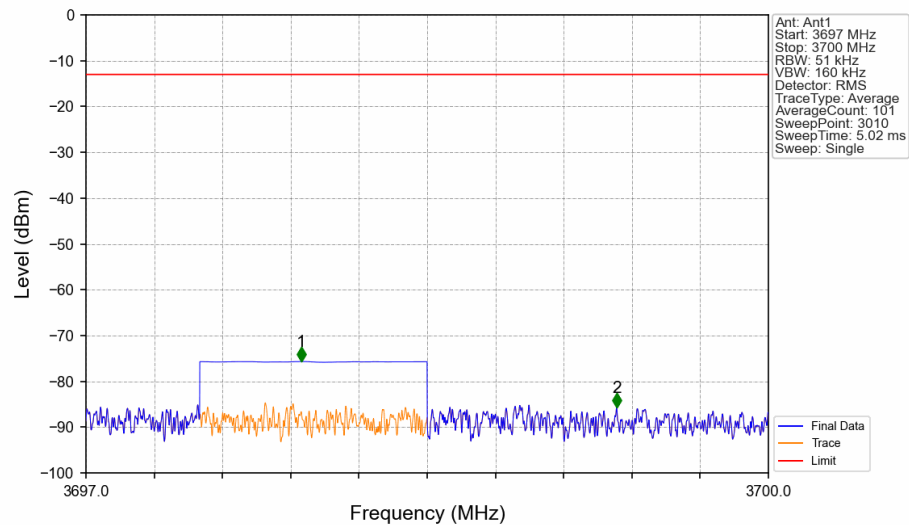
Bandn77a_3842.5MHz_AWGN_SISO_Ant1_NTNV_AGC



Bandn77a_3842.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3

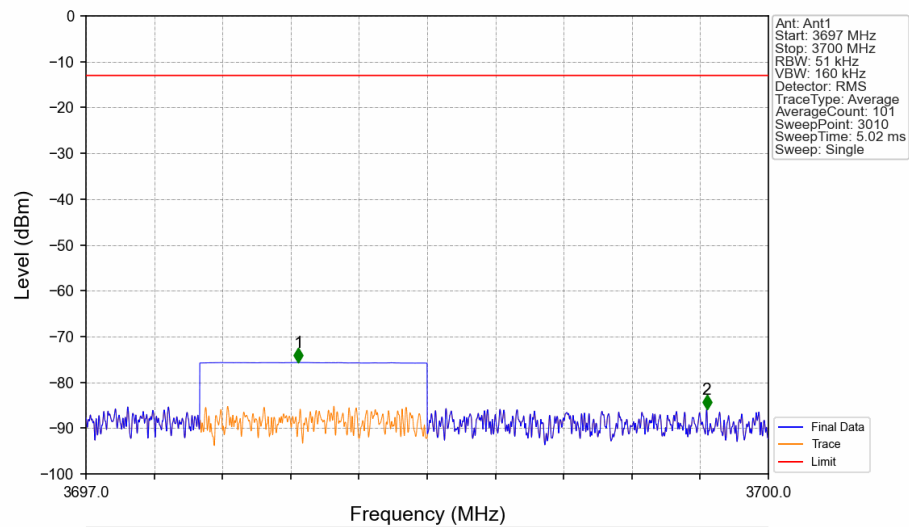


Bandn77a_3842.5MHz_AWGN_SISO_Ant1_NTNV_AGC



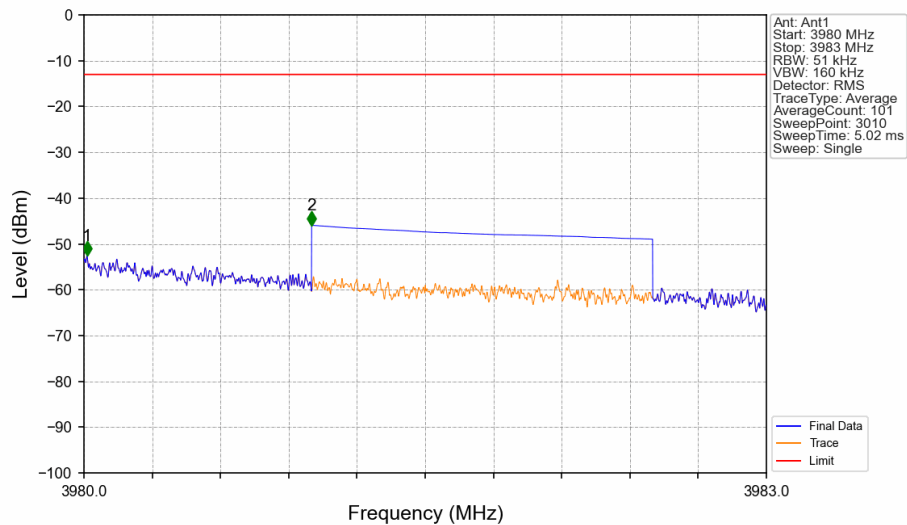
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	CHP	1	3697.945	-75.68	-13	Pass
3699	3700	0.051	/	2	3699.333	-85.73	-13	Pass

Bandn77a_3842.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



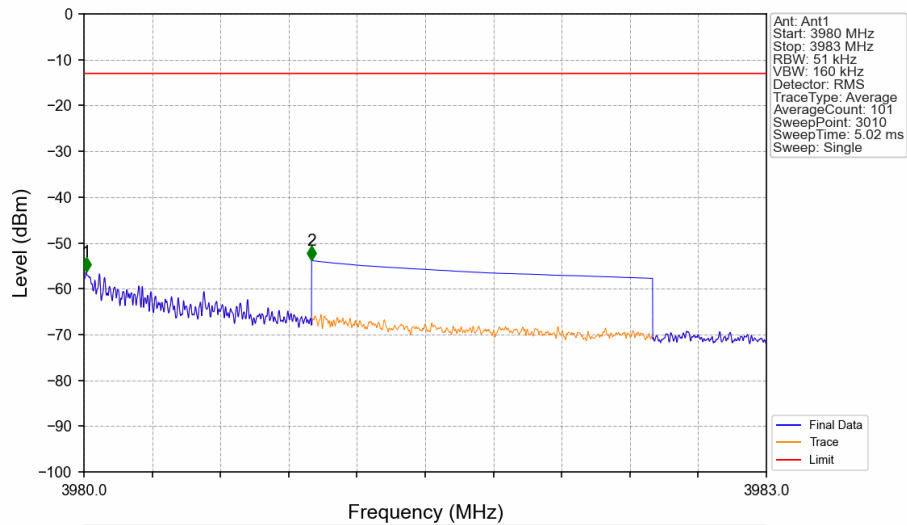
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	CHP	1	3697.934	-75.67	-13	Pass
3699	3700	0.051	/	2	3699.729	-85.89	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV_AGC



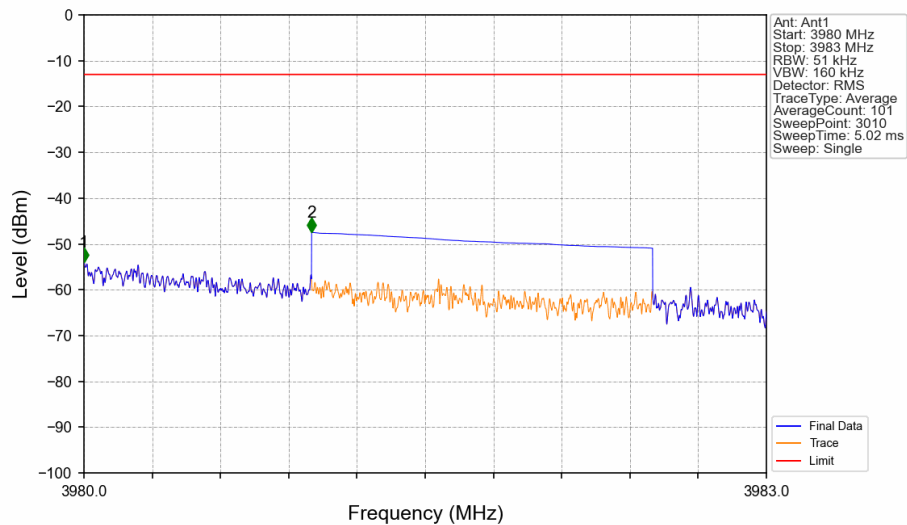
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	0.051	/	1	3980.013	-52.64	-13	Pass
3981	3983	1	CHP	2	3981.001	-45.94	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3

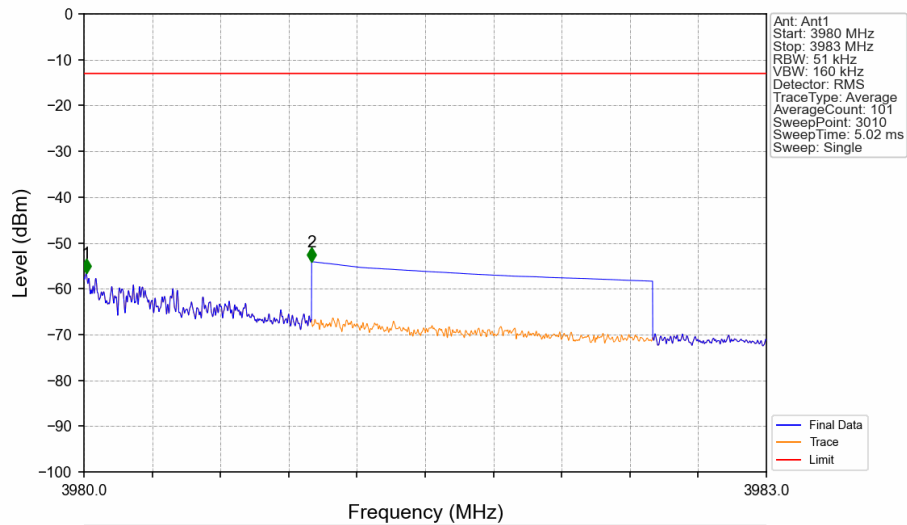


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	0.051	/	1	3980.010	-56.32	-13	Pass
3981	3983	1	CHP	2	3981.001	-53.85	-13	Pass

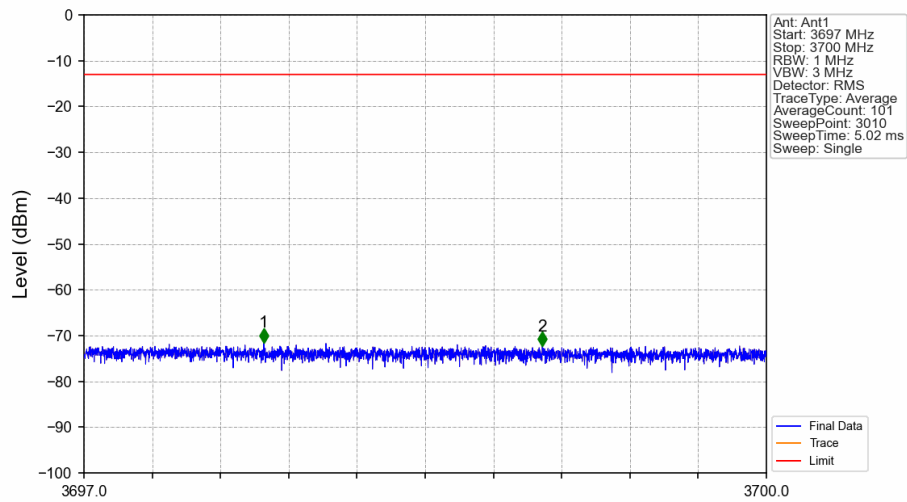
Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV_AGC



Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3

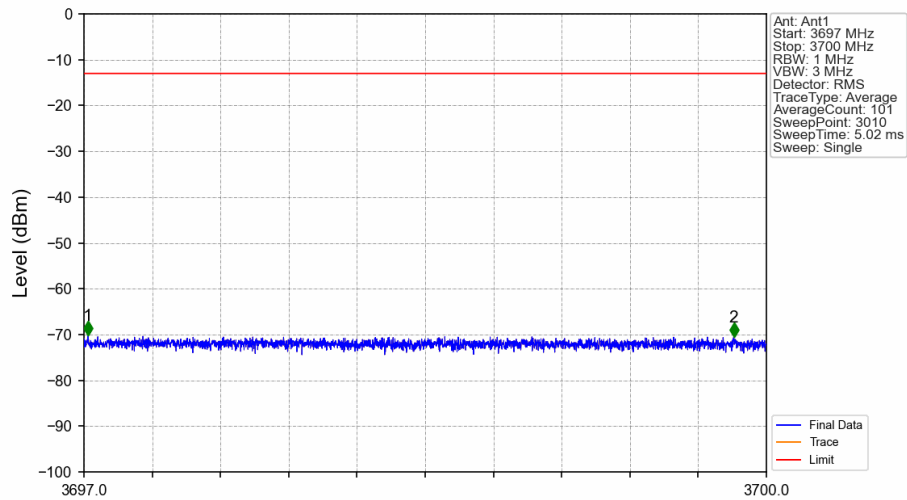


Bandn77a_3890MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



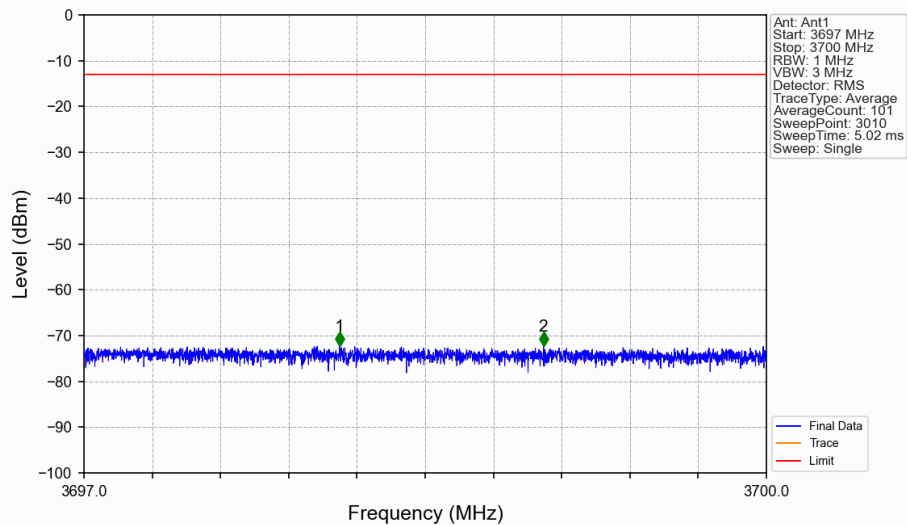
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	/	1	3697.791	-71.55	-13	Pass
3699	3700	1.054	/	2	3699.015	-72.29	-13	Pass

Bandn77a_3890MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



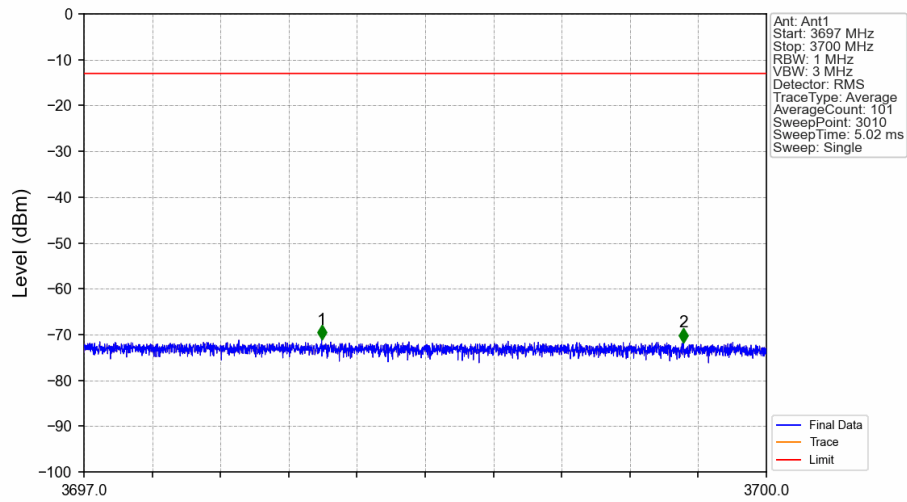
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	/	1	3697.018	-70.25	-13	Pass
3699	3700	1.054	/	2	3699.856	-70.52	-13	Pass

Bandn77a_3890MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



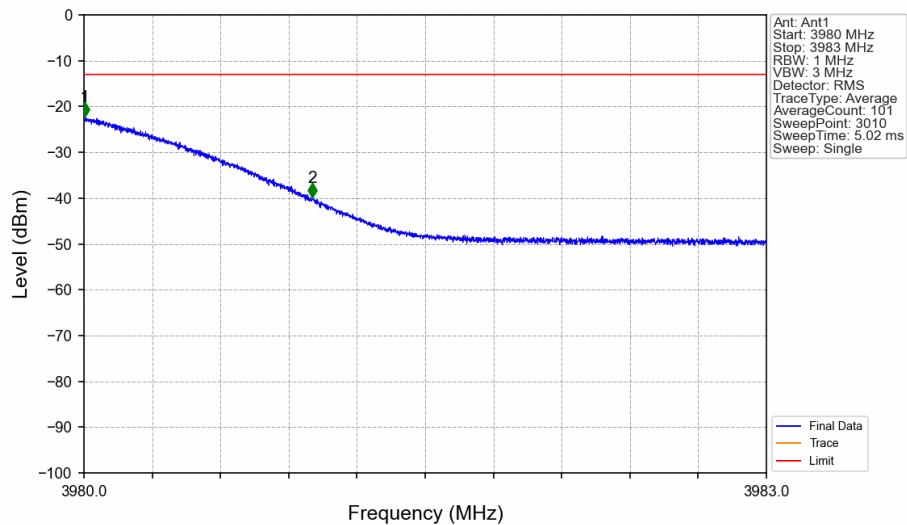
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	/	1	3698.124	-72.31	-13	Pass
3699	3700	1.054	/	2	3699.020	-72.33	-13	Pass

Bandn77a_3890MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



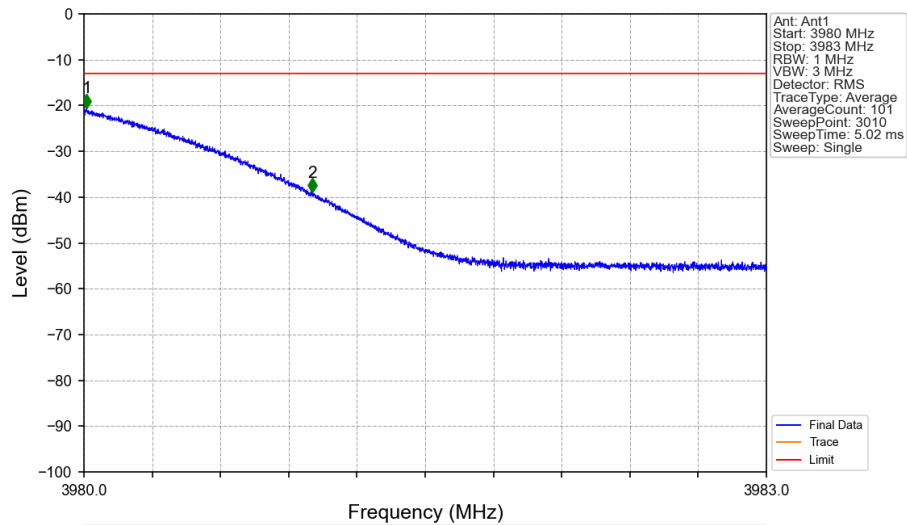
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	/	1	3698.045	-71.13	-13	Pass
3699	3700	1.054	/	2	3699.635	-71.71	-13	Pass

Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



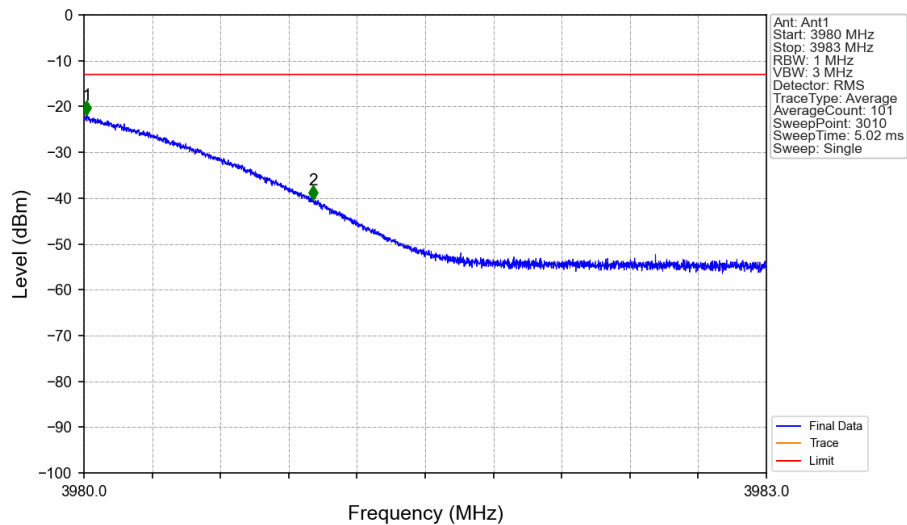
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	1.054	/	1	3980.003	-22.20	-13	Pass
3981	3983	1	/	2	3981.004	-39.87	-13	Pass

Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3

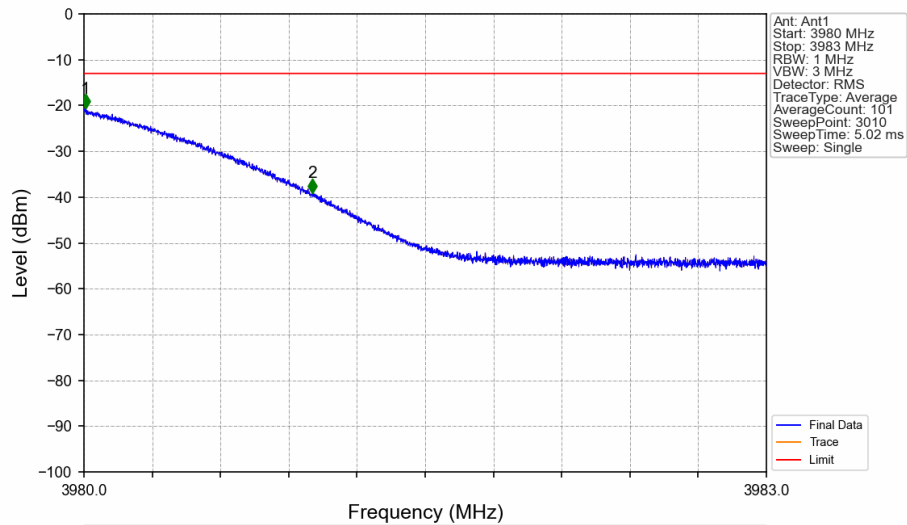


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	1.054	/	1	3980.011	-20.56	-13	Pass
3981	3983	1	/	2	3981.003	-38.97	-13	Pass

Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



6. Spurious emissions

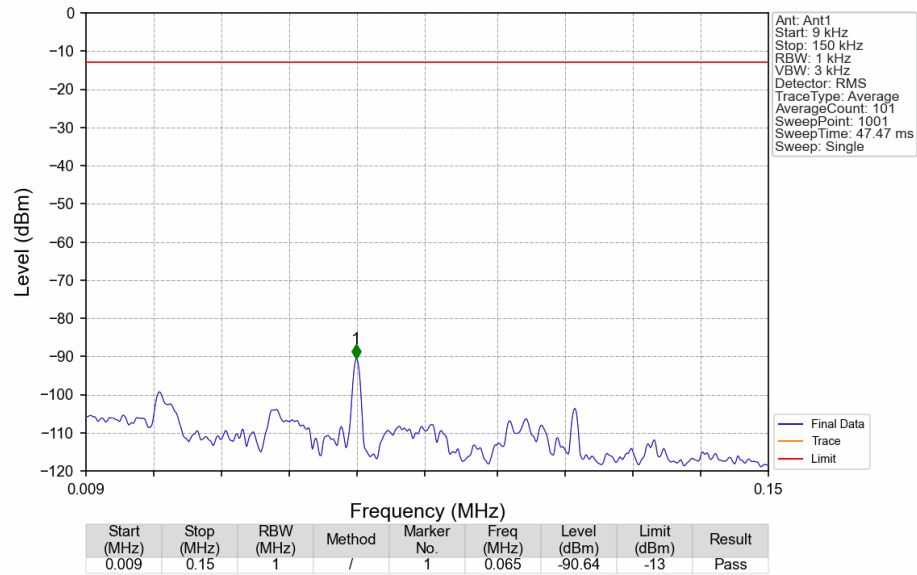
6.1 Bandn77a

6.1.1 Test Result

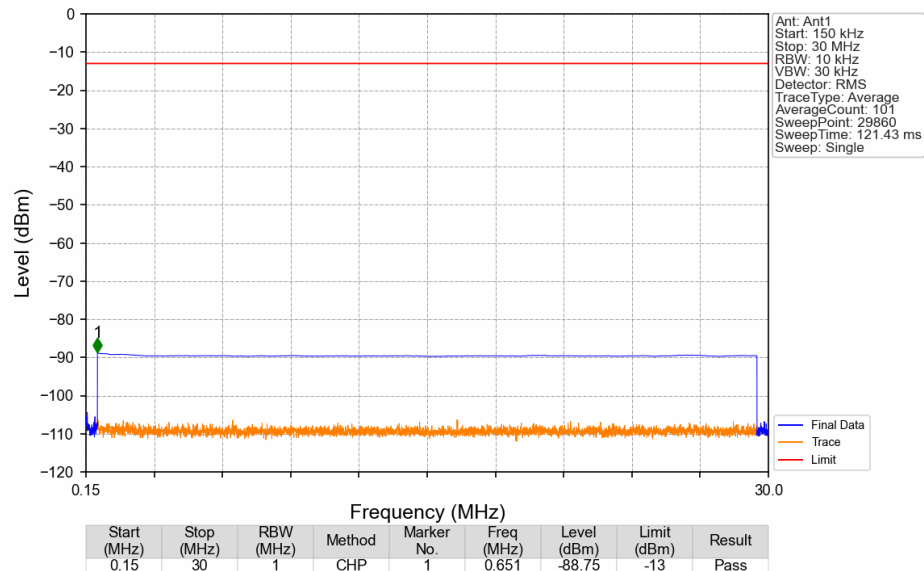
Band: n77a / NTNV								
Signal			Channel	TX Type	ANT	SE (dBm)		Verdict
Type	Level (dBm)	Frequency (MHz)				Result	Limit	
GMSK 0.2MHz	-3.5	3840.2	LCH	SISO	1	Refer To Test Graph		Pass
		3910	MCH	SISO	1	Refer To Test Graph		Pass
		3979.8	HCH	SISO	1	Refer To Test Graph		Pass
AWGN 5MHz	-3.5	3842.5	LCH	SISO	1	Refer To Test Graph		Pass
		3910	MCH	SISO	1	Refer To Test Graph		Pass
		3977.5	HCH	SISO	1	Refer To Test Graph		Pass
AWGN 100MHz	-3.5	3890	LCH	SISO	1	Refer To Test Graph		Pass
		3910	MCH	SISO	1	Refer To Test Graph		Pass
		3930	HCH	SISO	1	Refer To Test Graph		Pass

6.1.2 Test Graph

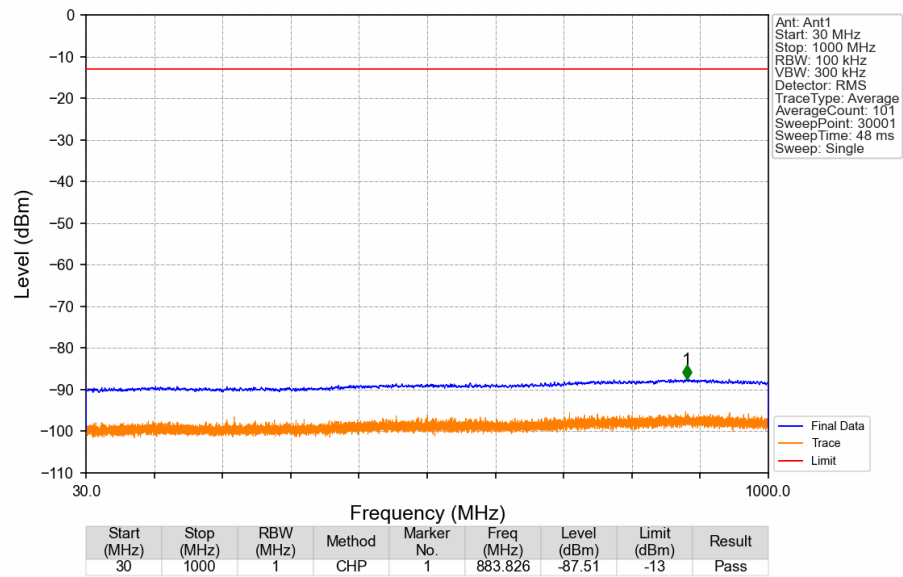
Bandn77a_3840.2MHz_GMSK_SISO_Ant1_NTNV



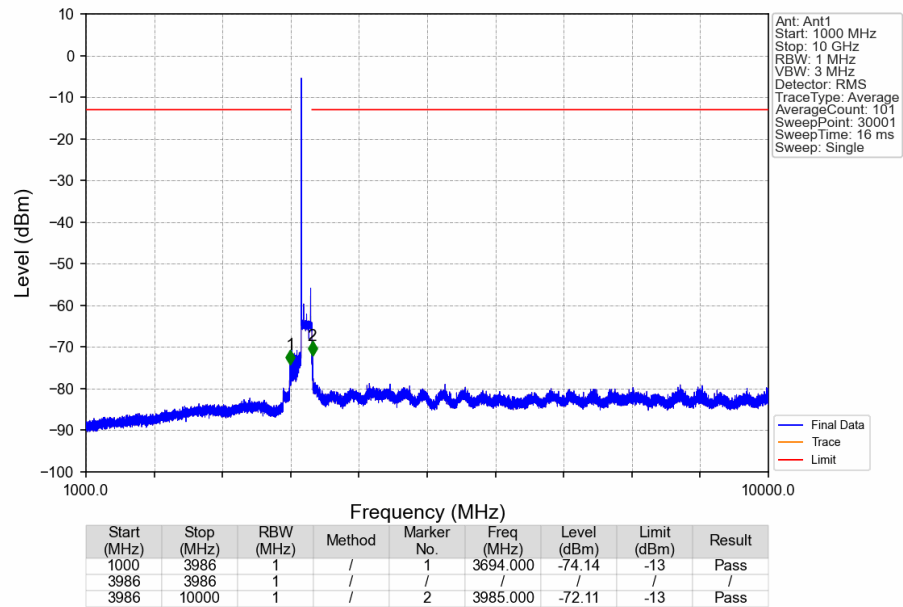
Bandn77a_3840.2MHz_GMSK_SISO_Ant1_NTNV



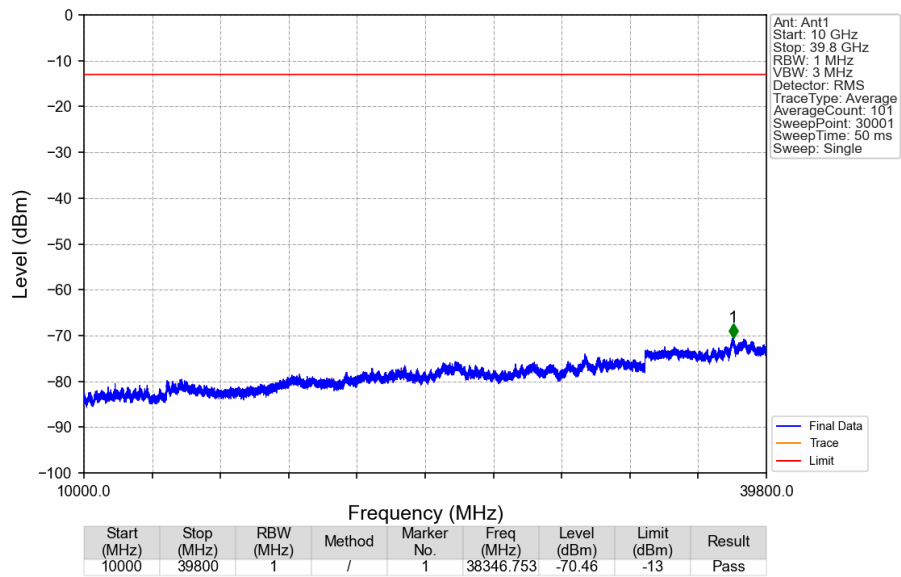
Bandn77a_3840.2MHz_GMSK_SISO_Ant1_NTNV



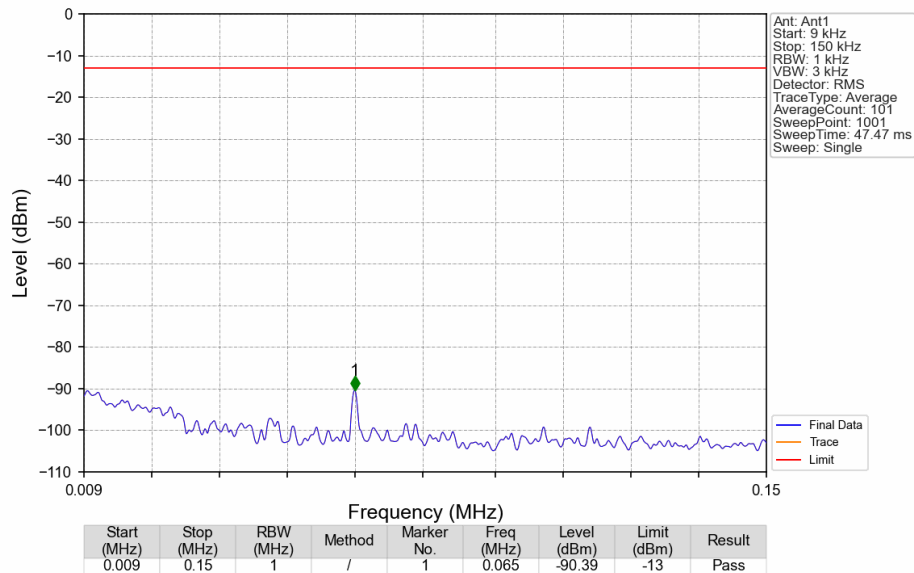
Bandn77a_3840.2MHz_GMSK_SISO_Ant1_NTNV



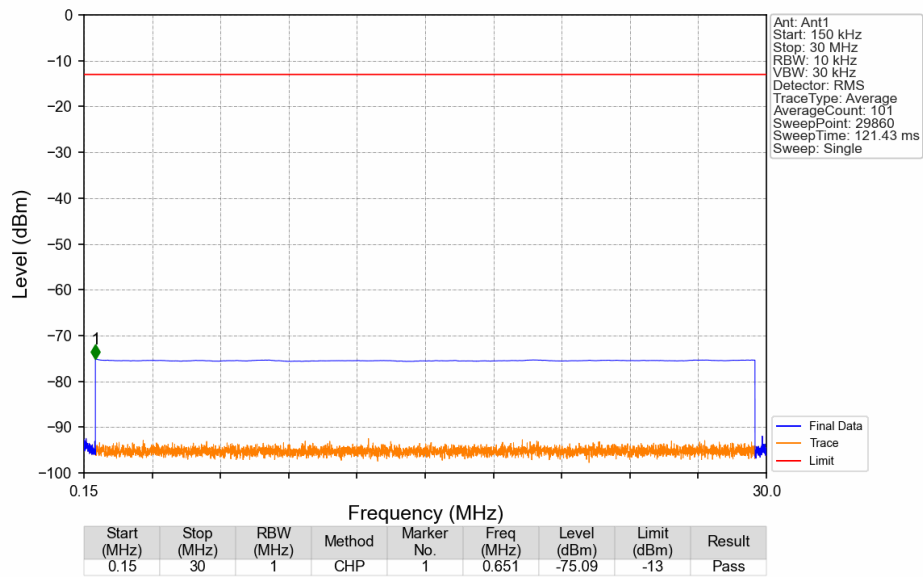
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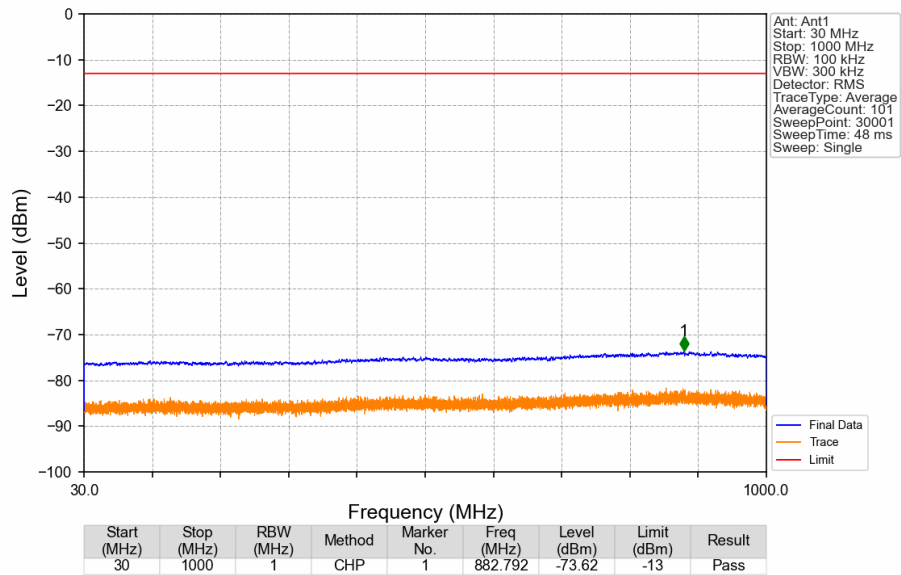
Bandn77a_3910MHz_GMSK_SISO_Ant1_NTNV



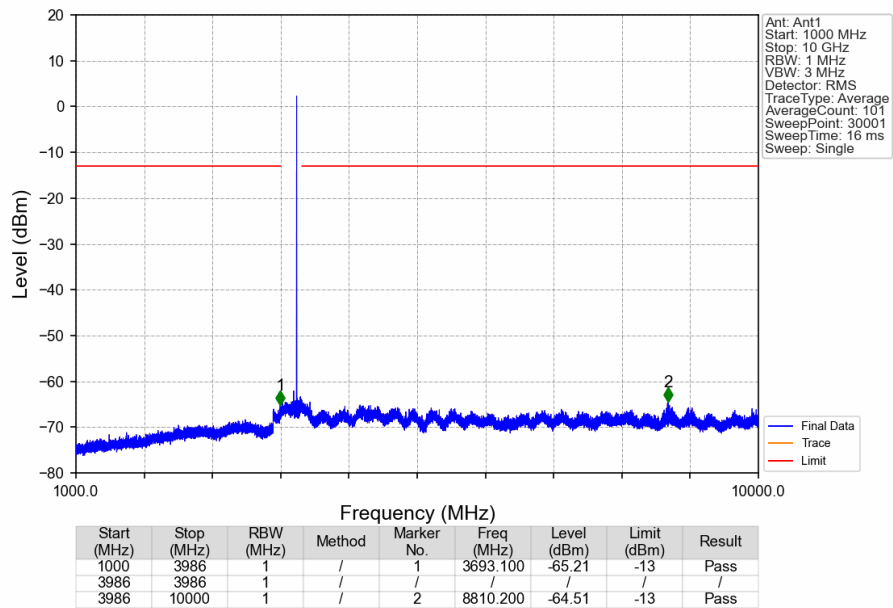
Bandn77a_3910MHz_GMSK_SISO_Ant1_NTNV



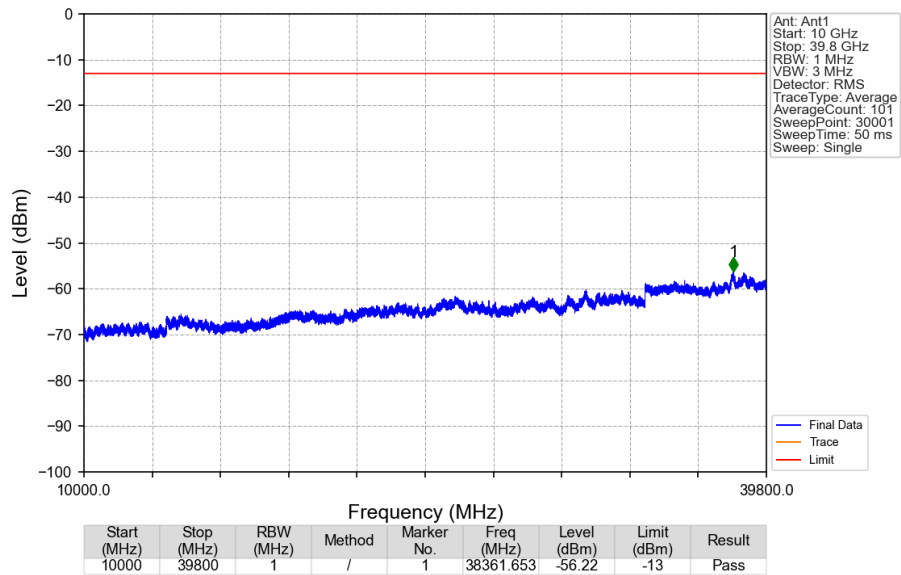
Bandn77a_3910MHz_GMSK_SISO_Ant1_NTNV



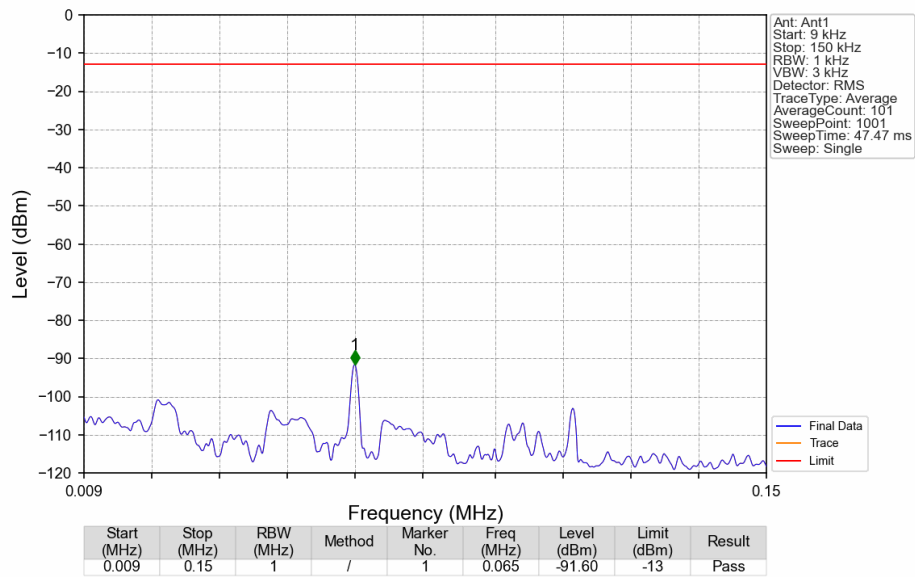
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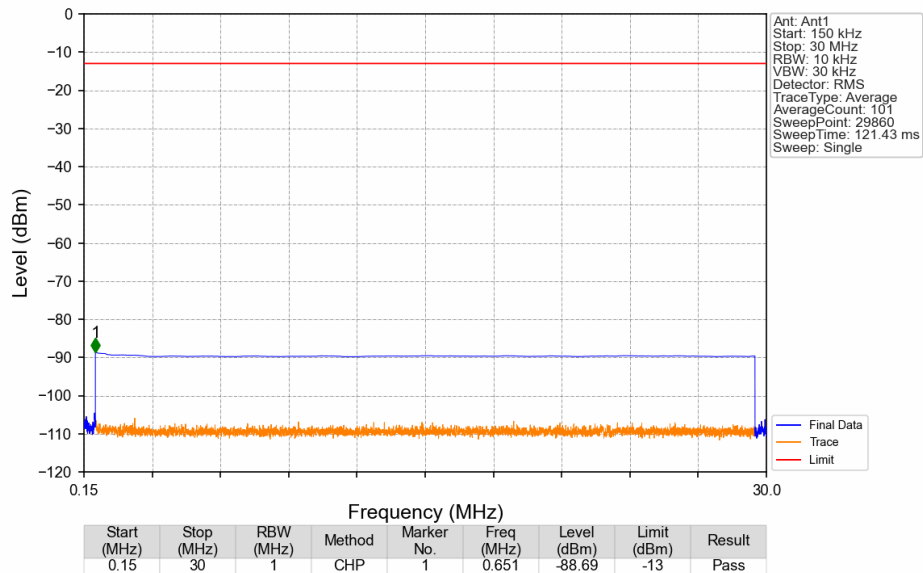
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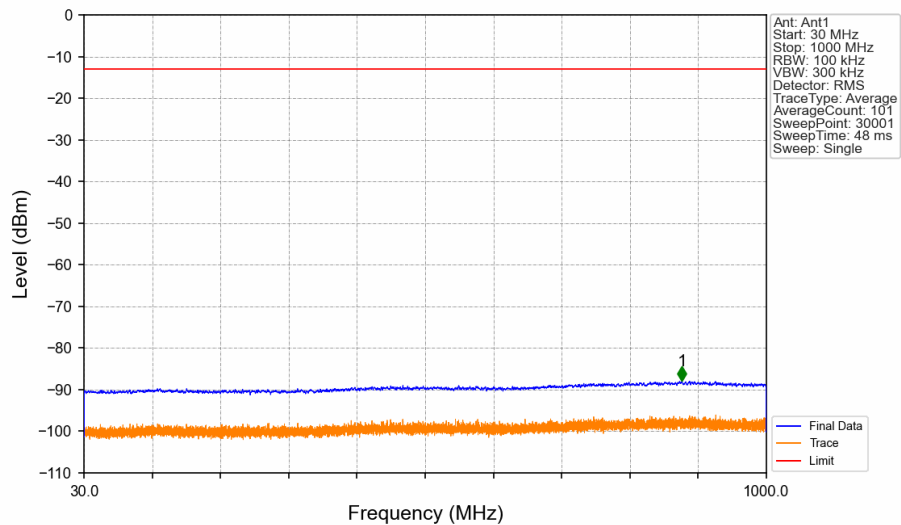
Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV



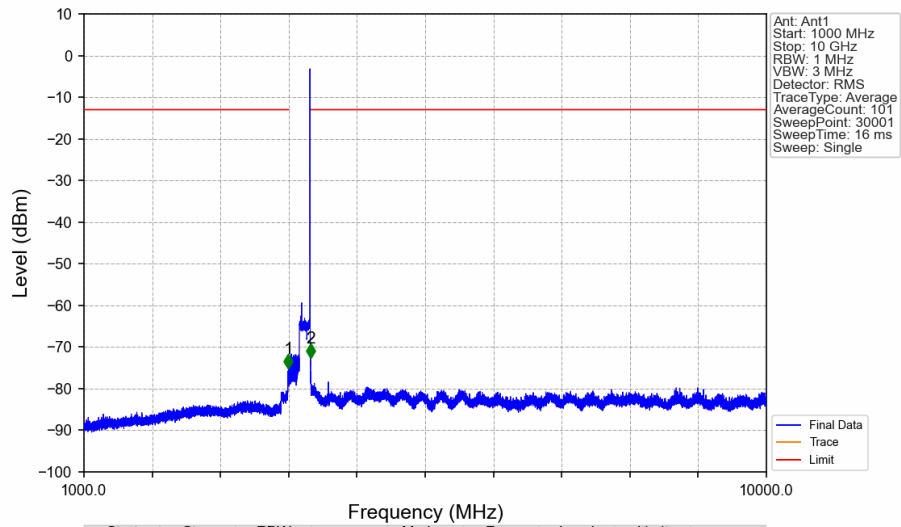
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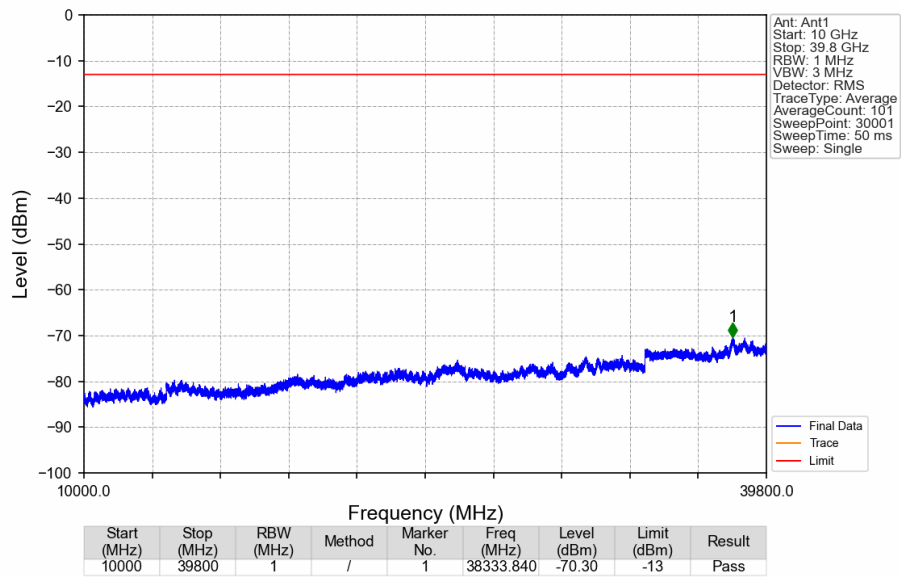
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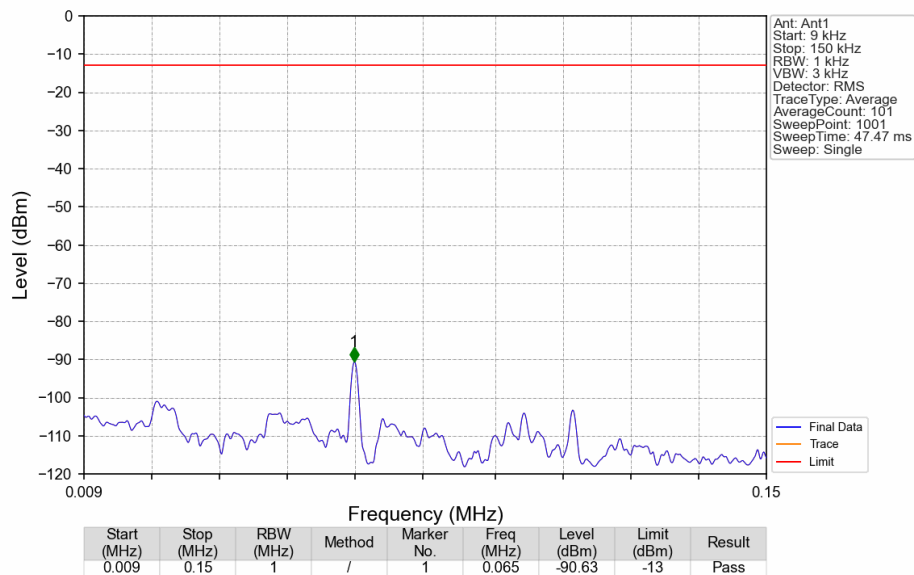
Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV



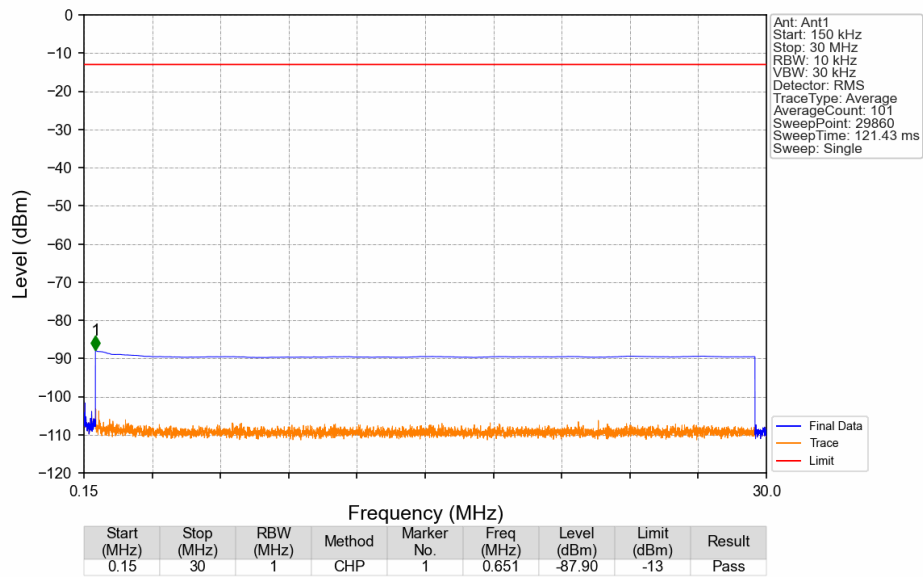
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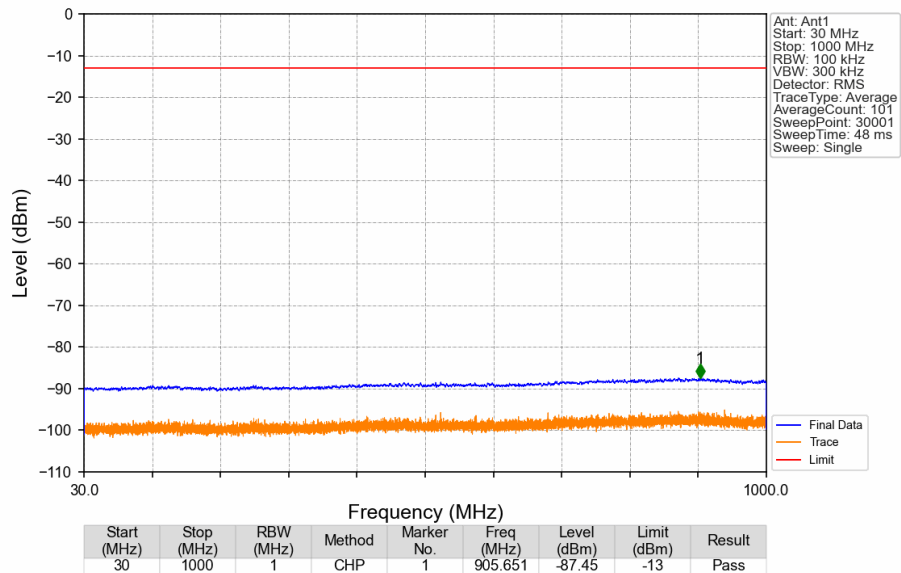
Bandn77a_3842.5MHz_AWGN_SISO_Ant1_NTNV



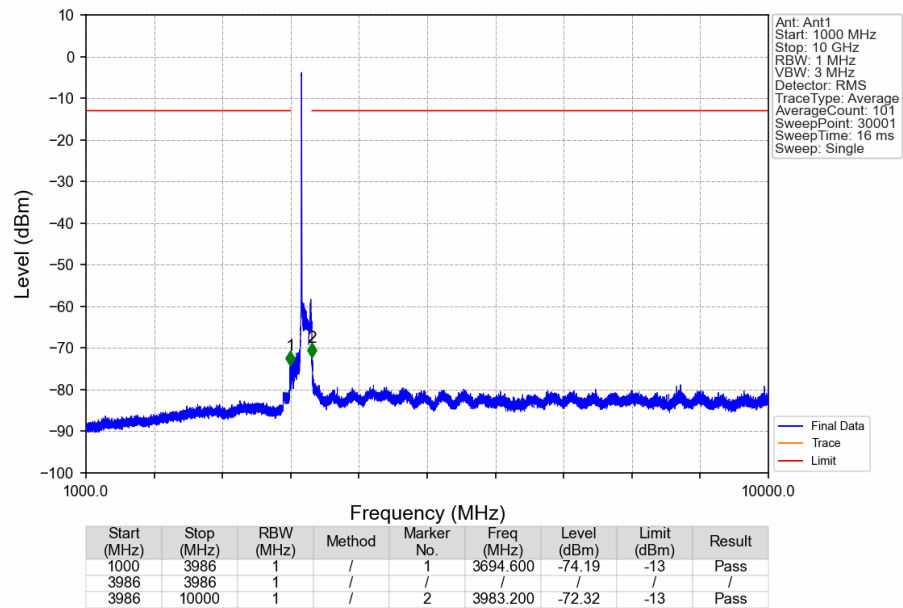
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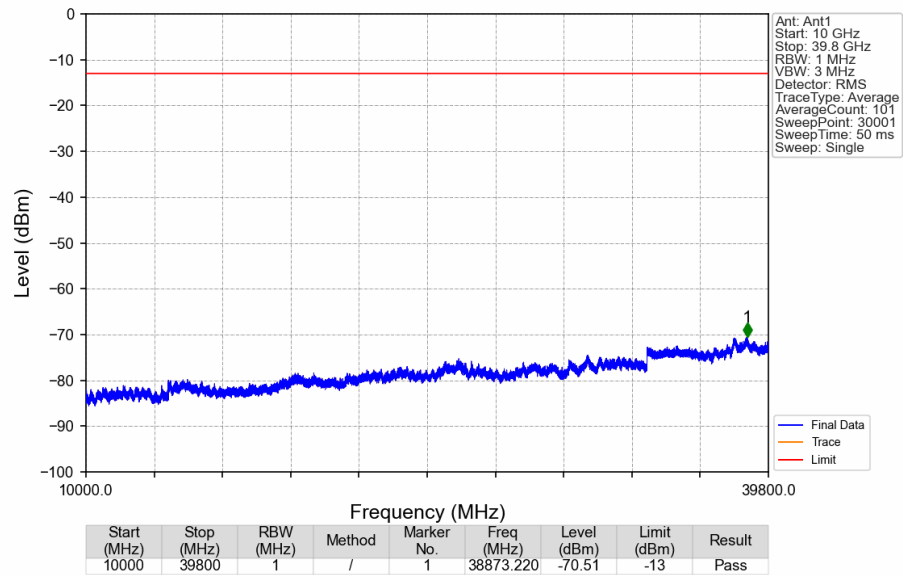
Bandn77a_3842.5MHz_AWGN_SISO_Ant1_NTNV



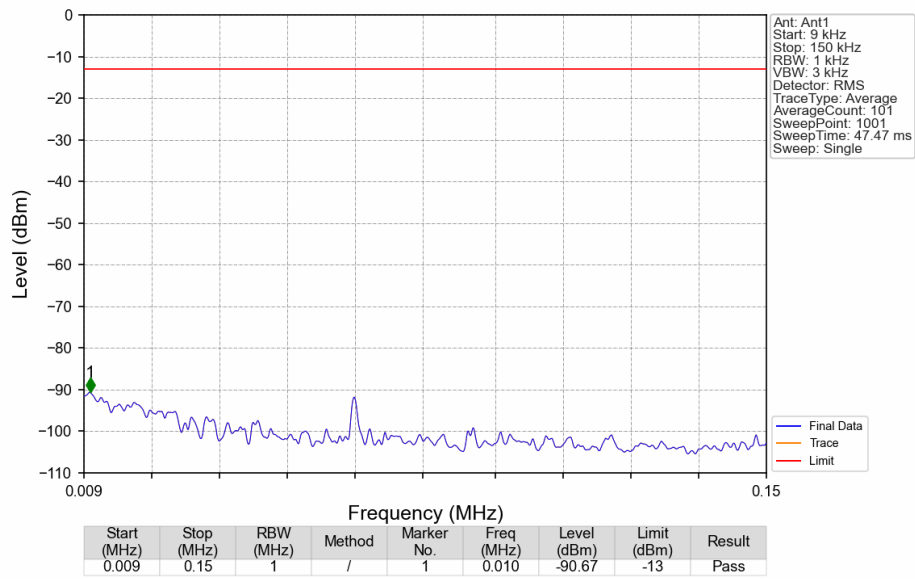
Bandn77a_3842.5MHz_AWGN_SISO_Ant1_NTNV



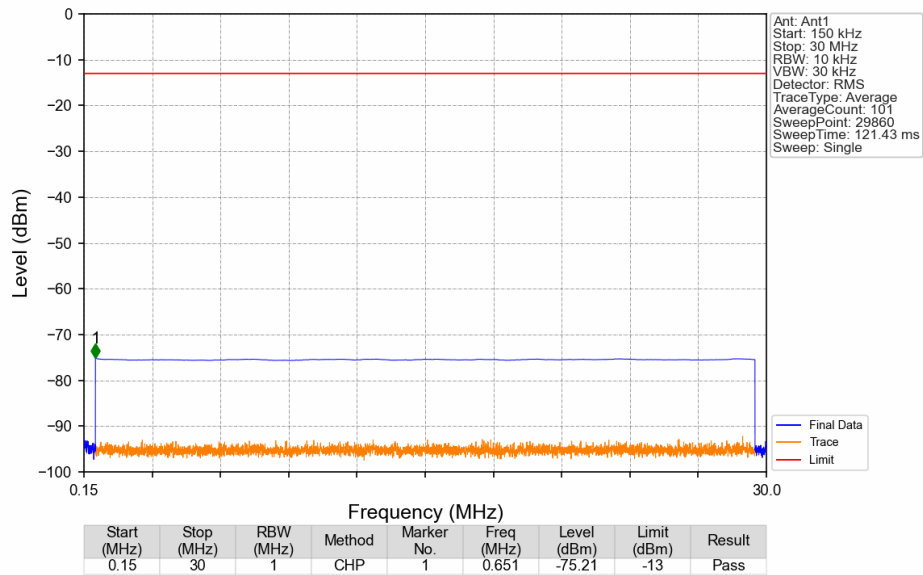
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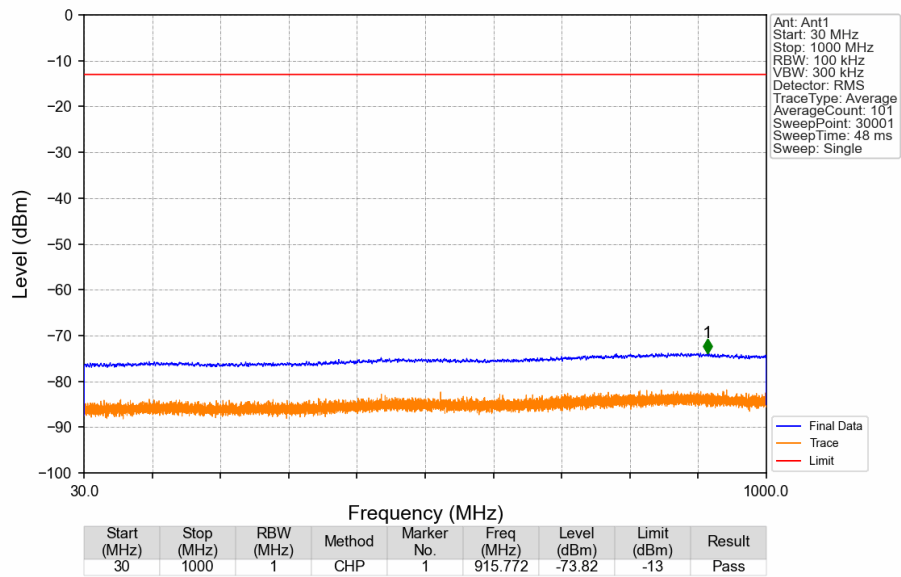
Bandn77a_3910MHz_AWGN_SISO_Ant1_NTNV



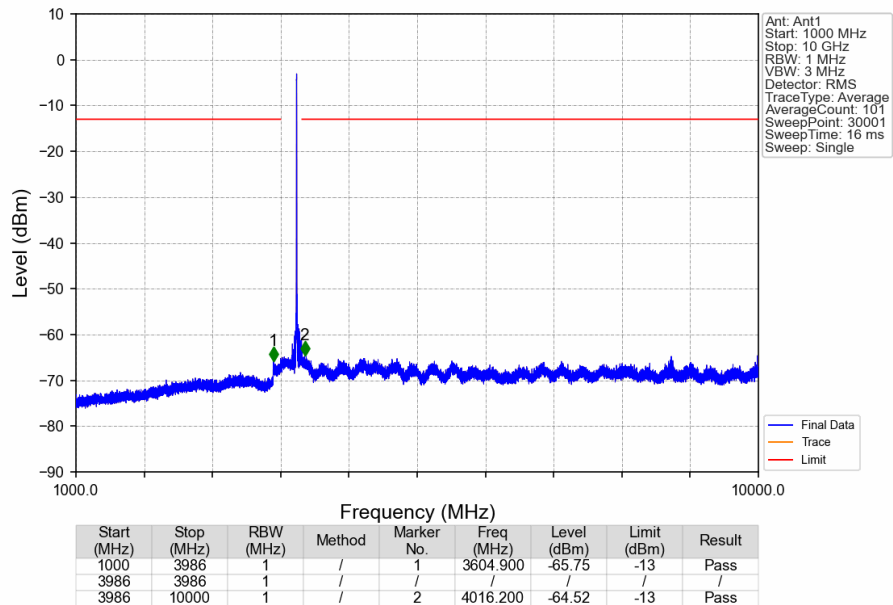
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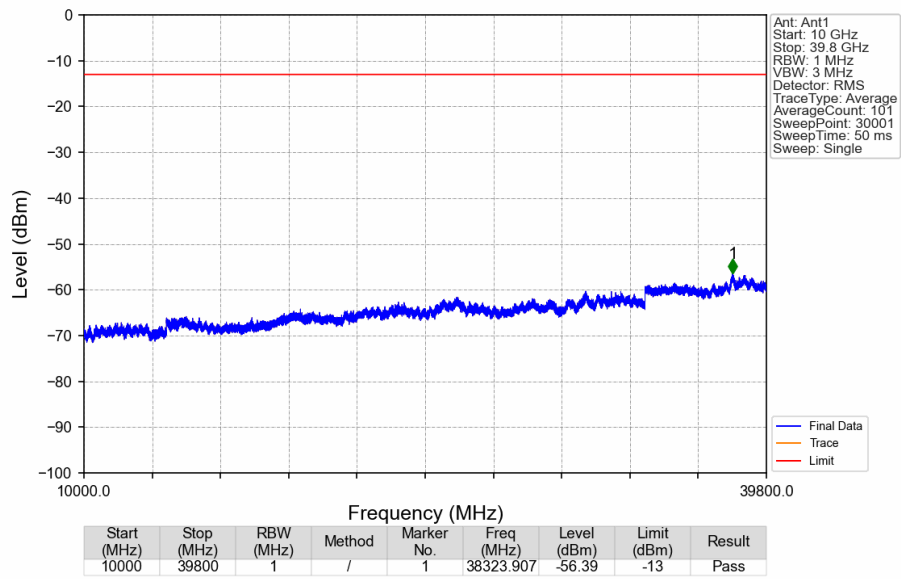
Bandn77a_3910MHz_AWGN_SISO_Ant1_NTNV



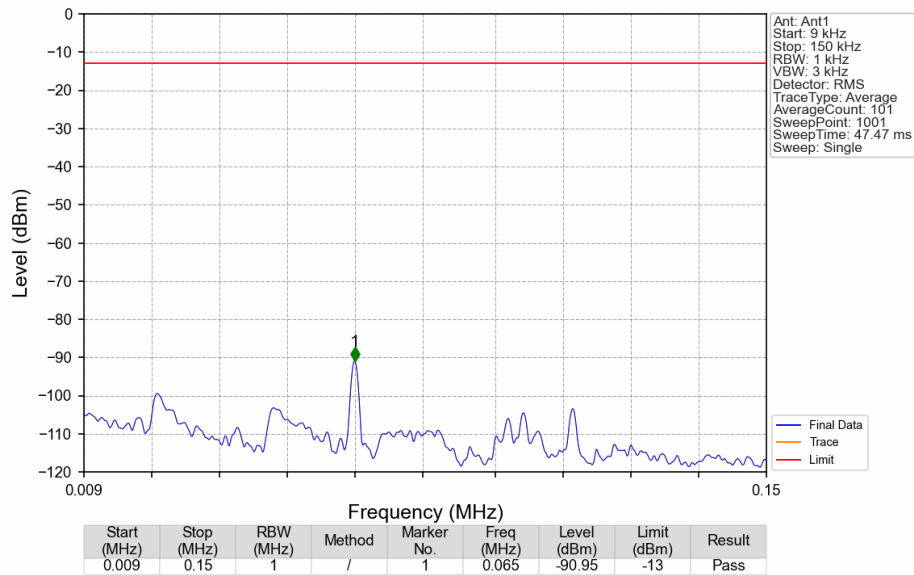
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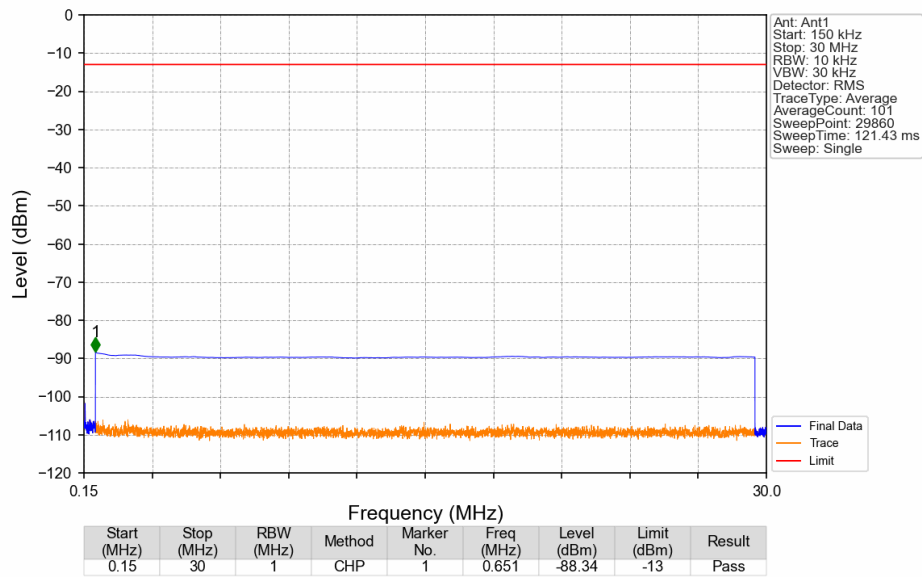
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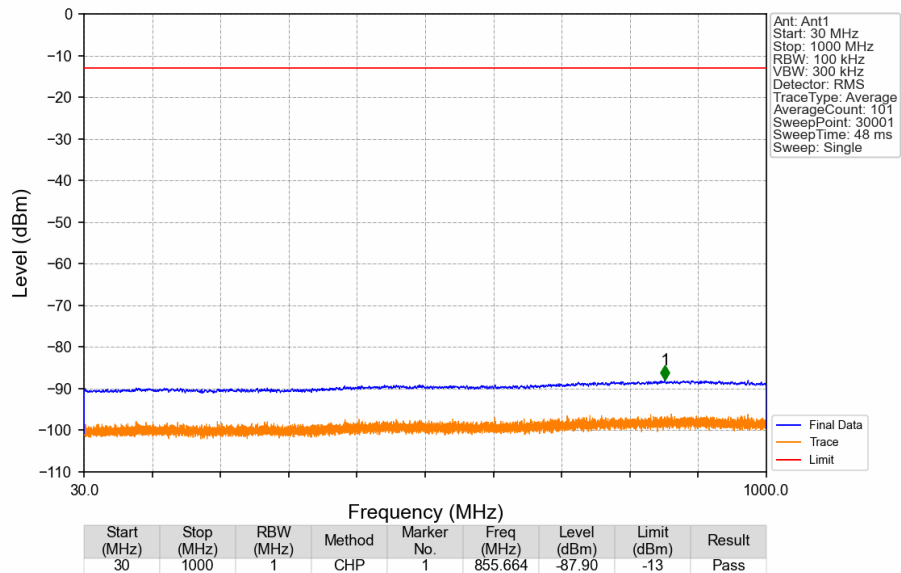
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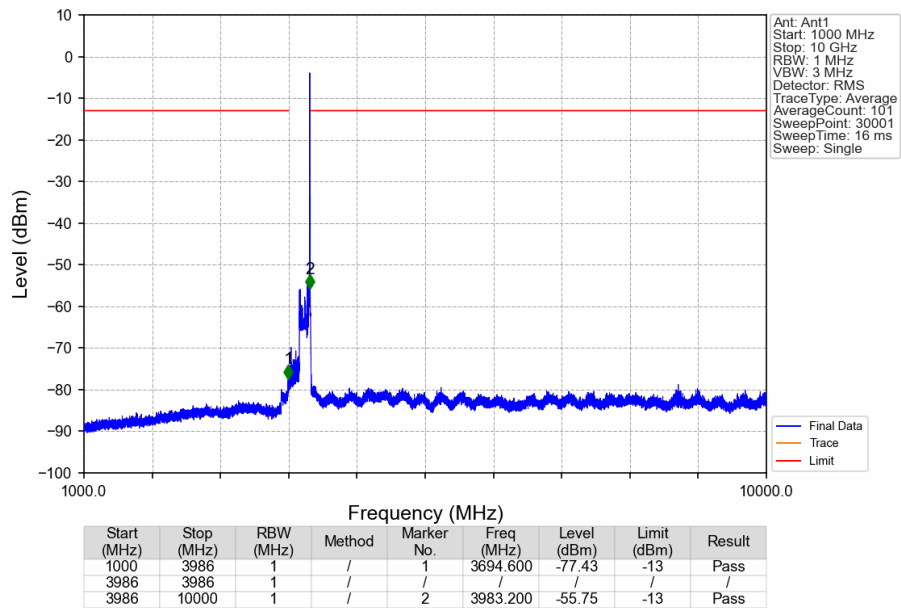
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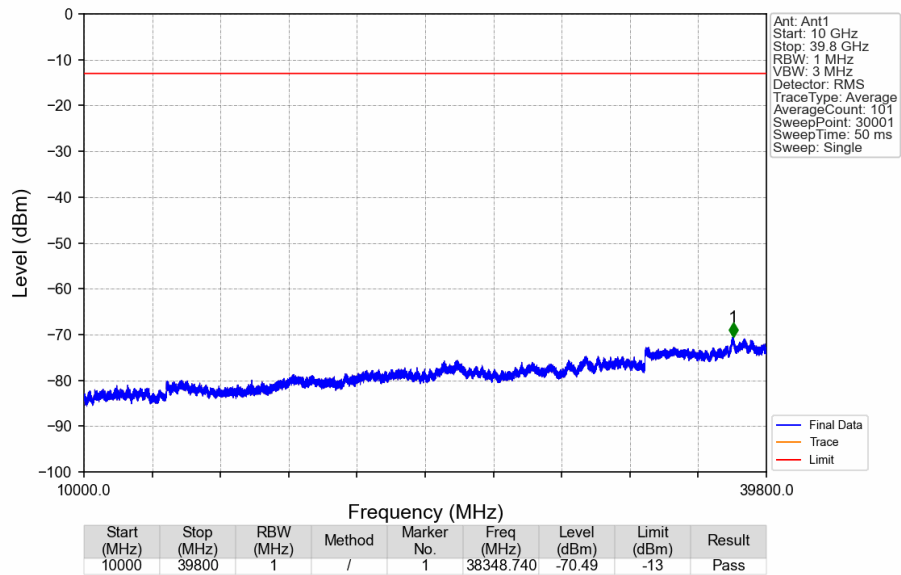
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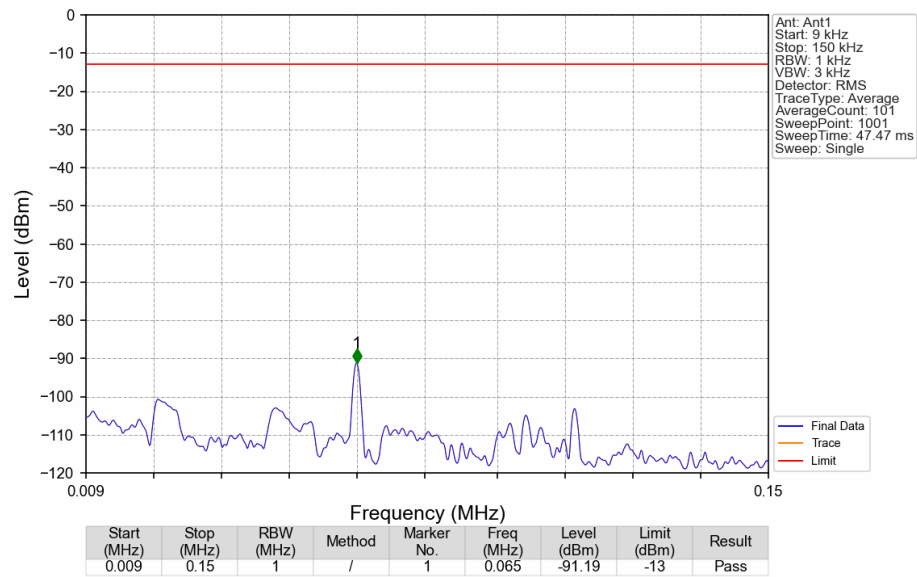
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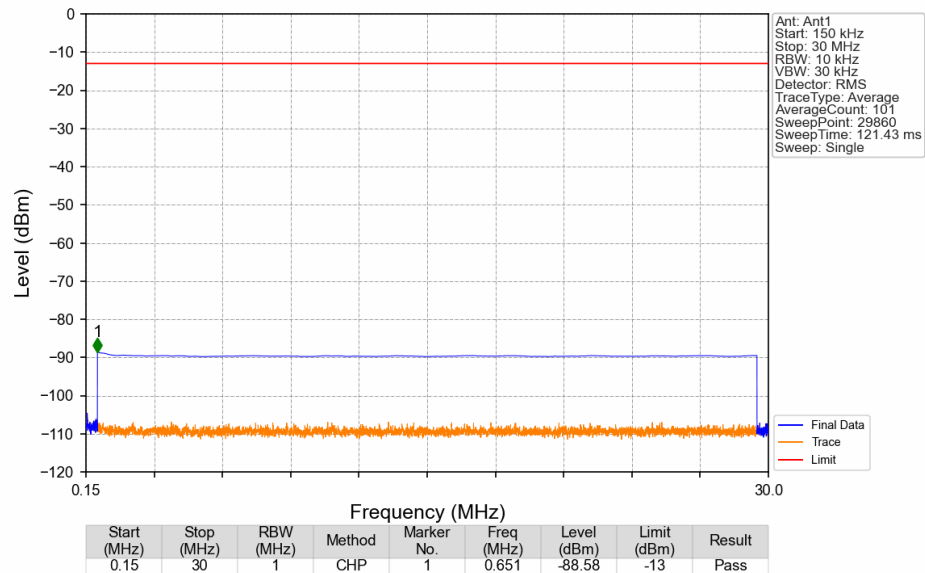
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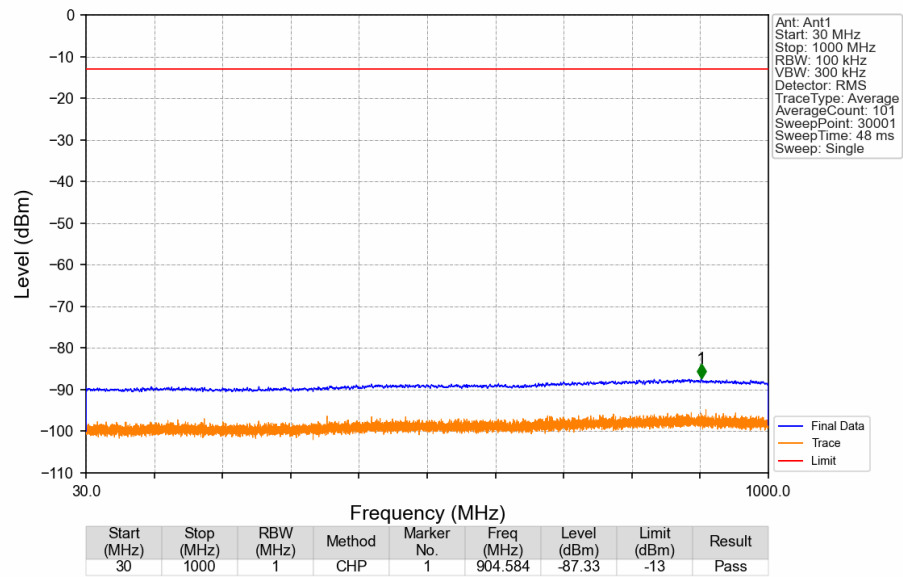
Bandn77a_3890MHz_Broad100MHz_SISO_Ant1_NTNV



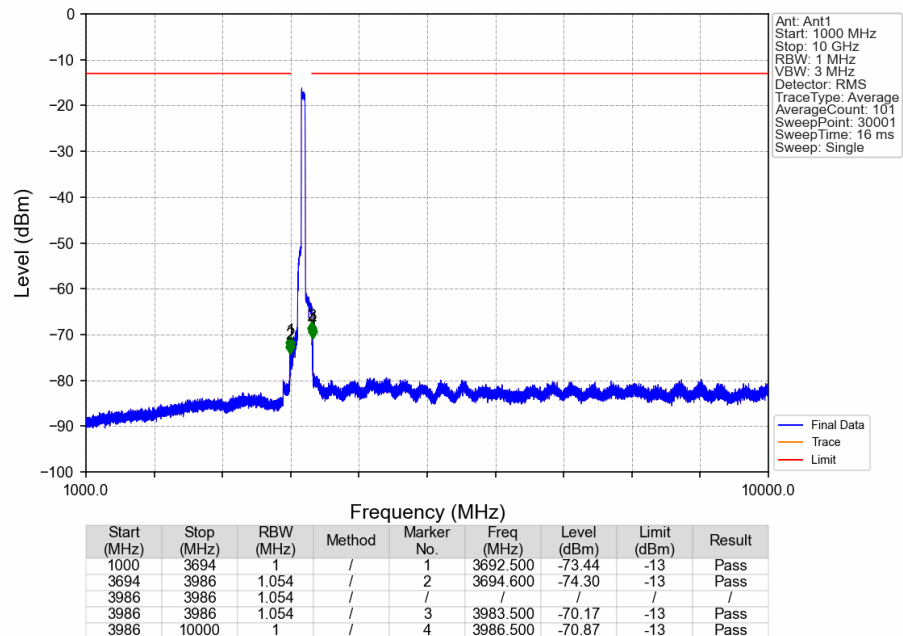
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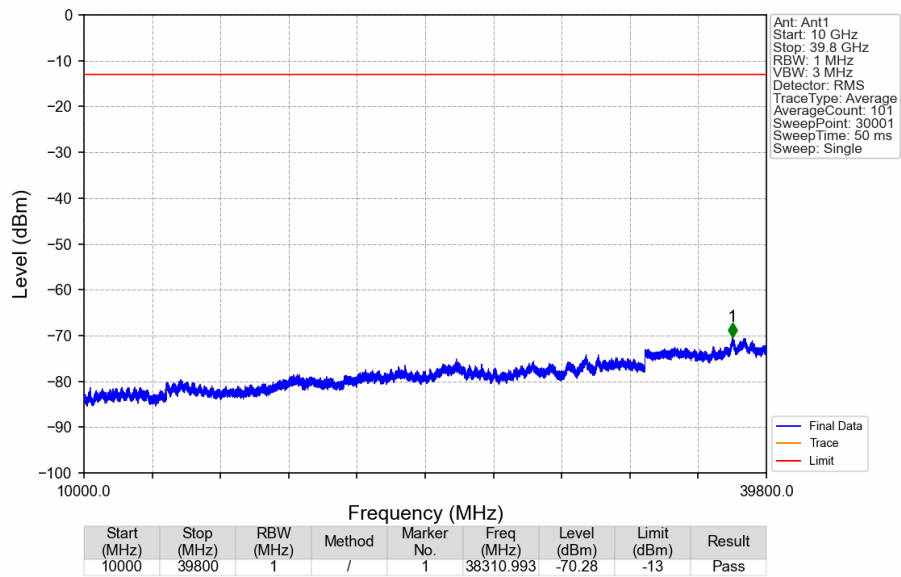
Bandn77a_3890MHz_Broad100MHz_SISO_Ant1_NTNV



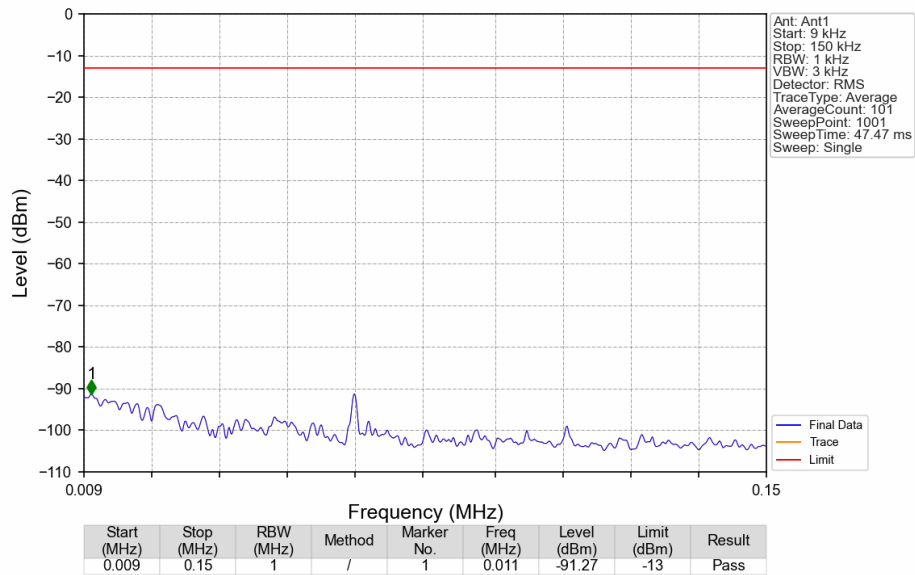
Bandn77a_3890MHz_Broad100MHz_SISO_Ant1_NTNV



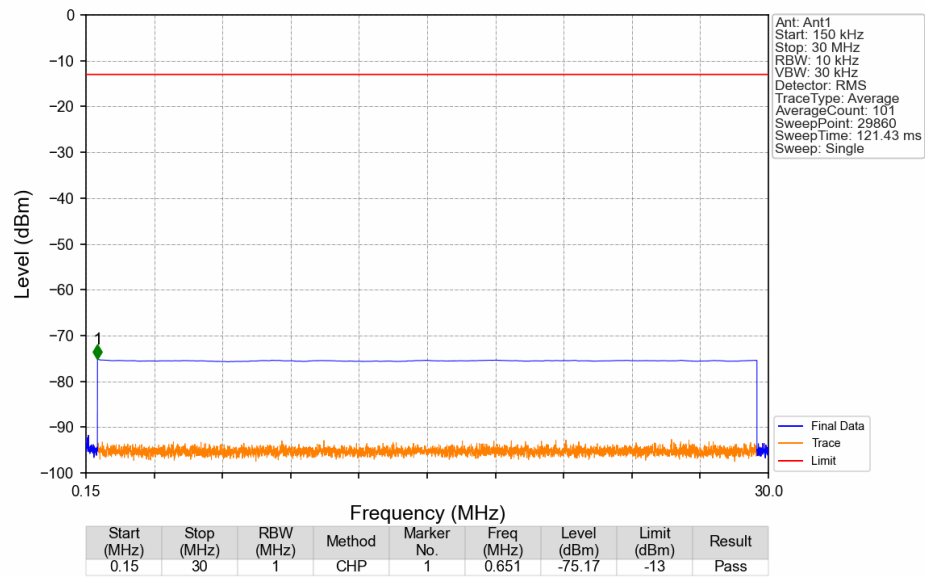
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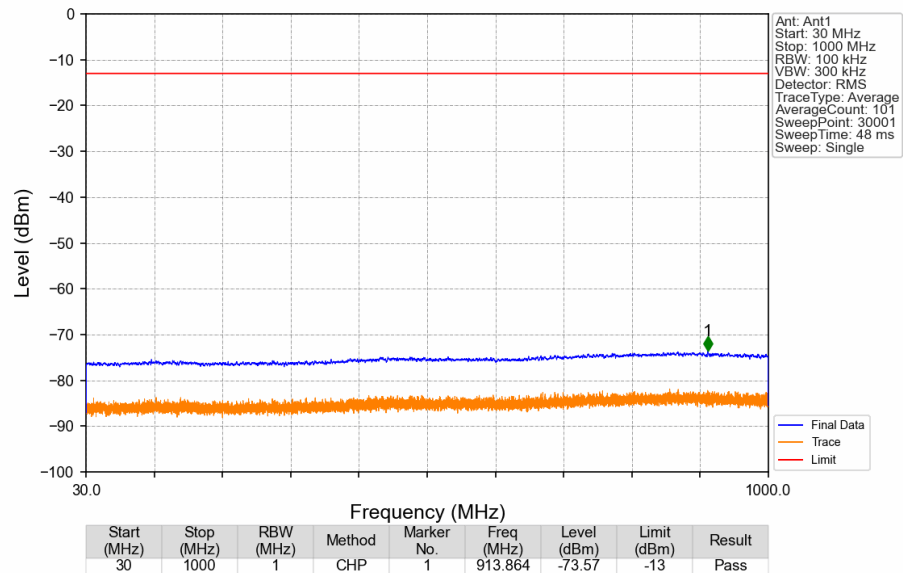
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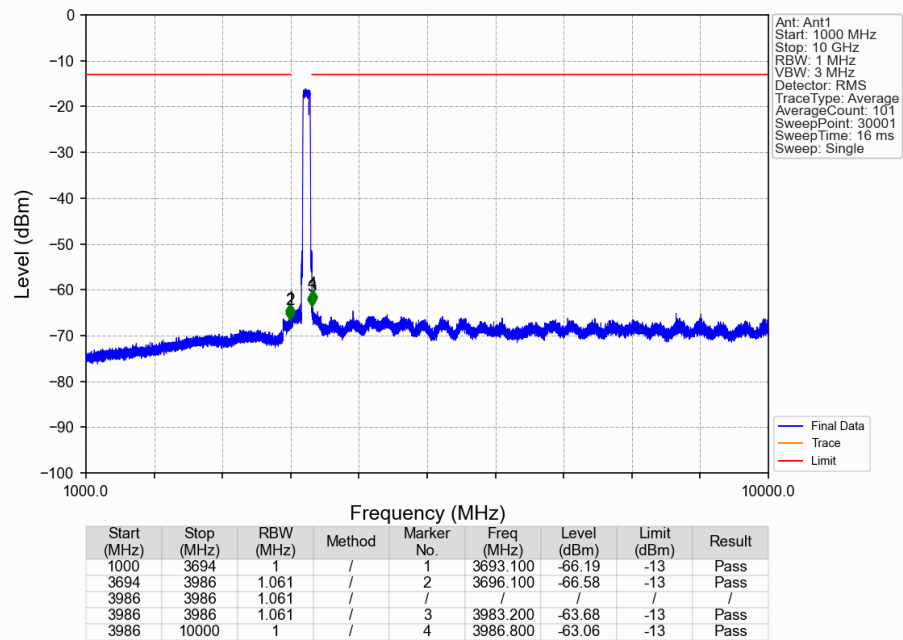
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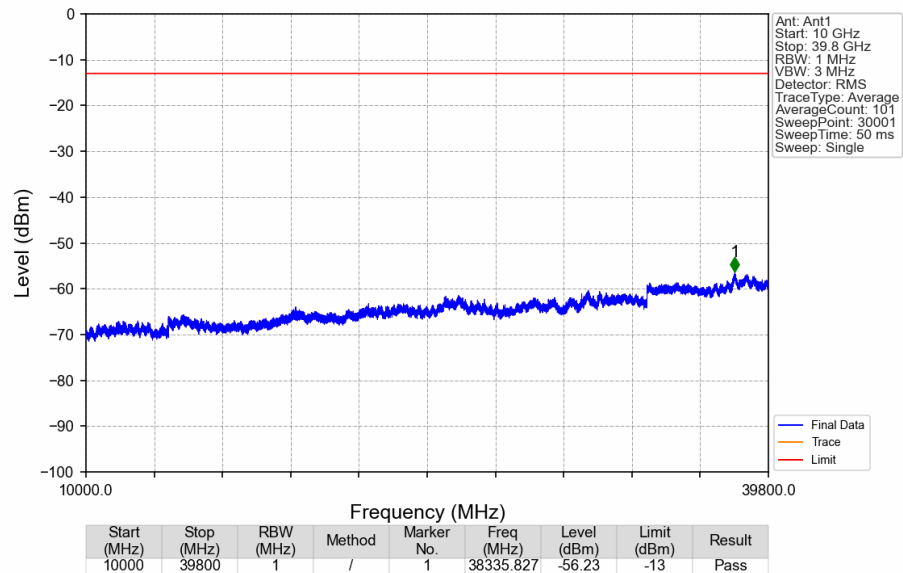
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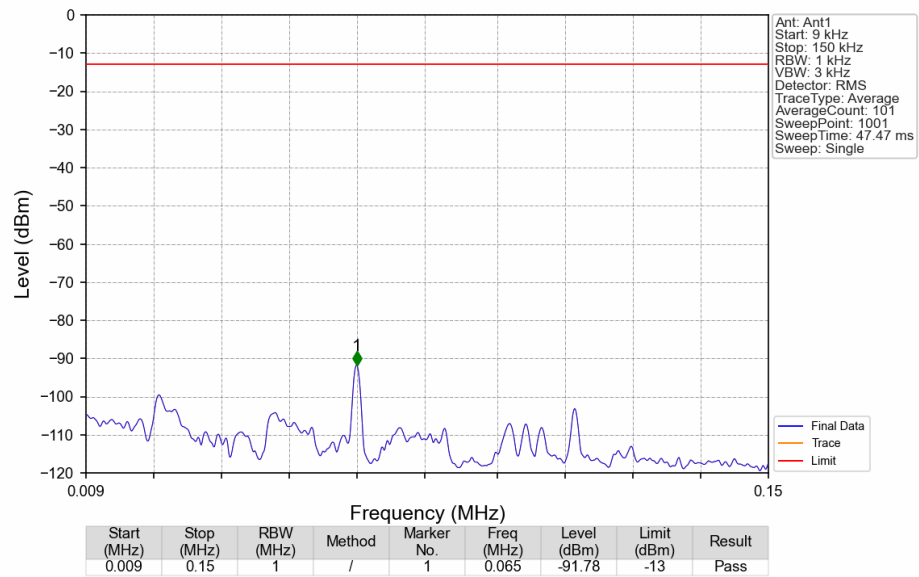
Bandn77a_3910MHz_Broad100MHz_SISO_Ant1_NTNV



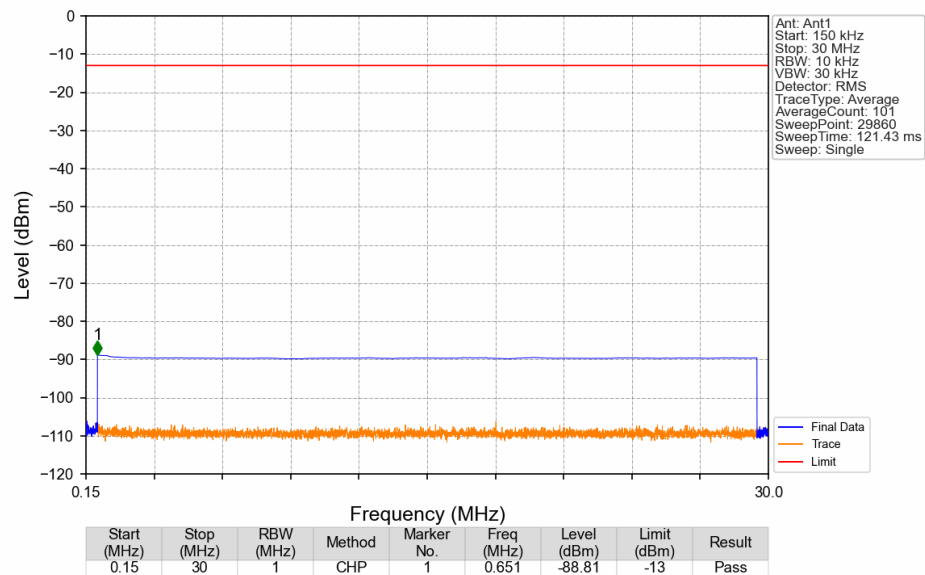
Bandn77a_3910MHz_Broad100MHz_SISO_Ant1_NTNV



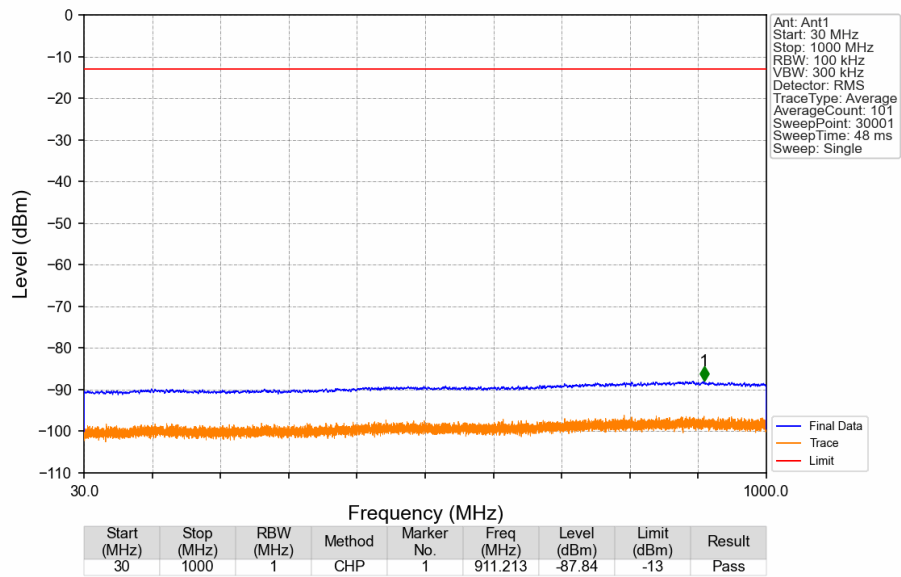
Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV



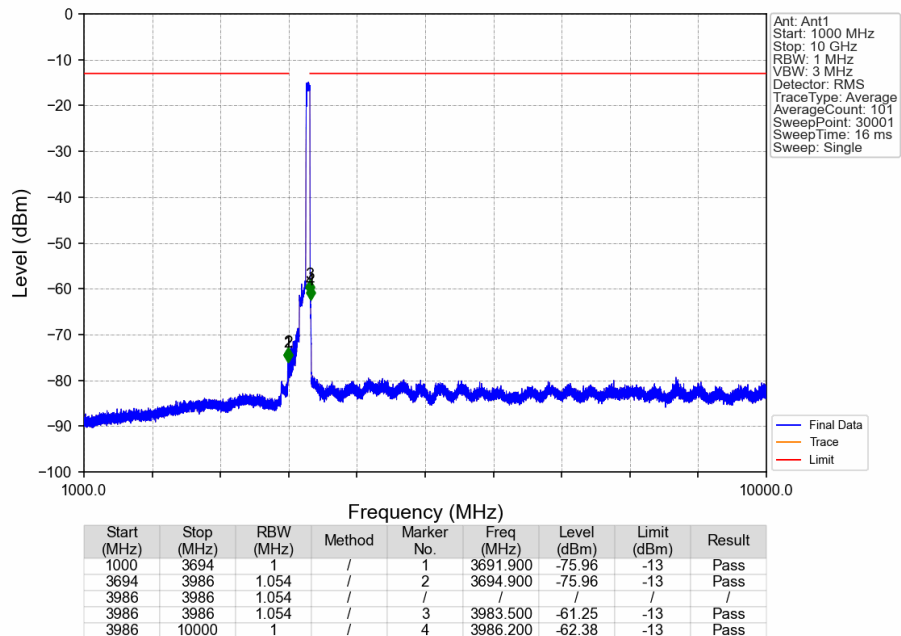
Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV



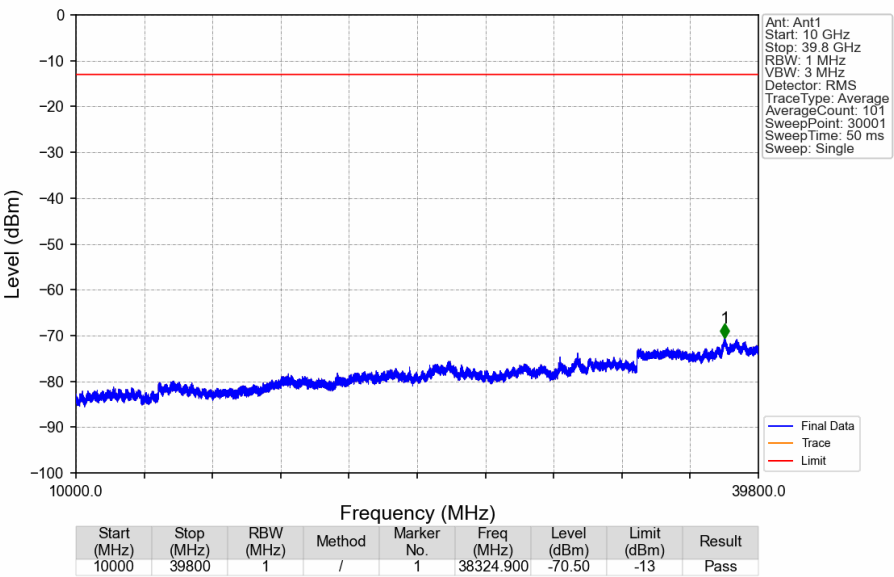
Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV



Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV



Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV



7. Frequency stability measurements

7.1 Bandn77a_Ant1

7.1.1 Test Result

Band: n77a / NTNV							
Signal			Temp (°C)	Voltage (VAC)	Freq. Error (Hz)	Tolerance (ppm)	Verdict
Type	Level (dBm)	Frequency (MHz)					
CW	-3.5	3840.1	20	102	-21	-0.00547	Pass
				120	-21	-0.00547	Pass
				138	-20	-0.00521	Pass
			-30	120	-21	-0.00547	Pass
			-20	120	-21	-0.00547	Pass
			-10	120	-20	-0.00521	Pass
			0	120	-23	-0.00599	Pass
			10	120	-25	-0.00651	Pass
			30	120	-20	-0.00521	Pass
			40	120	-25	-0.00651	Pass
			55	120	-27	-0.00703	Pass
		3910	20	102	-21	-0.00537	Pass
				120	-22	-0.00563	Pass
				138	-25	-0.00639	Pass
			-30	120	-22	-0.00563	Pass
			-20	120	-26	-0.00665	Pass
			-10	120	-24	-0.00614	Pass
			0	120	-26	-0.00665	Pass
			10	120	-22	-0.00563	Pass
			30	120	-20	-0.00512	Pass
			40	120	-23	-0.00588	Pass
			55	120	-23	-0.00588	Pass
		3979.9	20	102	-24	-0.00603	Pass
				120	-27	-0.00678	Pass
				138	-20	-0.00503	Pass
			-30	120	-21	-0.00528	Pass
			-20	120	-22	-0.00553	Pass
			-10	120	-23	-0.00578	Pass
			0	120	-21	-0.00528	Pass
			10	120	-20	-0.00503	Pass
			30	120	-26	-0.00653	Pass
			40	120	-28	-0.00704	Pass

			55	120	-29	-0.00729	Pass
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8. Radiated Spurious Emissions

8.1 Bandn77_Ant1

8.1.1 Test Result

GMSK_Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
120.10	Horizontal	-65.94	-13	-52.94	Pass
478.23	Horizontal	-63.53	-13	-50.53	Pass
764.26	Horizontal	-60.09	-13	-47.09	Pass
2072.66	Horizontal	-47.72	-13	-34.72	Pass
7900.93	Horizontal	-45.66	-13	-32.66	Pass
15896.31	Horizontal	-38.20	-13	-25.20	Pass
100.71	Vertical	-61.89	-13	-48.89	Pass
394.22	Vertical	-58.44	-13	-45.44	Pass
703.59	Vertical	-59.43	-13	-46.43	Pass
2118.64	Vertical	-50.80	-13	-37.80	Pass
7963.27	Vertical	-51.39	-13	-38.39	Pass
16012.30	Vertical	-39.09	-13	-26.09	Pass

GMSK_Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
133.32	Horizontal	-64.09	-13	-51.09	Pass
485.81	Horizontal	-63.27	-13	-50.27	Pass
764.63	Horizontal	-58.10	-13	-45.10	Pass
2083.55	Horizontal	-46.40	-13	-33.40	Pass
7897.15	Horizontal	-44.14	-13	-31.14	Pass
15899.85	Horizontal	-40.39	-13	-27.39	Pass
111.58	Vertical	-64.33	-13	-51.33	Pass
386.34	Vertical	-59.26	-13	-46.26	Pass
706.34	Vertical	-60.13	-13	-47.13	Pass
2117.13	Vertical	-51.02	-13	-38.02	Pass
7972.56	Vertical	-50.35	-13	-37.35	Pass
16028.58	Vertical	-38.86	-13	-25.86	Pass

GMSK_High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
132.38	Horizontal	-65.70	-13	-52.70	Pass
484.90	Horizontal	-61.51	-13	-48.51	Pass
753.79	Horizontal	-58.10	-13	-45.10	Pass
2091.83	Horizontal	-47.24	-13	-34.24	Pass
7910.61	Horizontal	-44.73	-13	-31.73	Pass
15902.44	Horizontal	-39.45	-13	-26.45	Pass
122.52	Vertical	-61.34	-13	-48.34	Pass
393.15	Vertical	-59.08	-13	-46.08	Pass
689.21	Vertical	-58.96	-13	-45.96	Pass
2101.98	Vertical	-50.33	-13	-37.33	Pass
7961.73	Vertical	-52.30	-13	-39.30	Pass
16016.40	Vertical	-40.06	-13	-27.06	Pass

AWGN_Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
110.75	Horizontal	-64.41	-13	-51.41	Pass
490.45	Horizontal	-61.48	-13	-48.48	Pass
714.10	Horizontal	-57.85	-13	-44.85	Pass
2089.21	Horizontal	-46.70	-13	-33.70	Pass
8009.34	Horizontal	-45.52	-13	-32.52	Pass
16904.38	Horizontal	-39.84	-13	-26.84	Pass
105.73	Vertical	-64.95	-13	-51.95	Pass
387.43	Vertical	-60.12	-13	-47.12	Pass
620.03	Vertical	-58.84	-13	-45.84	Pass
2326.38	Vertical	-51.95	-13	-38.95	Pass
8024.17	Vertical	-52.87	-13	-39.87	Pass
16935.64	Vertical	-40.13	-13	-27.13	Pass

AWGN_Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
104.37	Horizontal	-67.17	-13	-54.17	Pass
484.40	Horizontal	-64.54	-13	-51.54	Pass
718.90	Horizontal	-59.16	-13	-46.16	Pass
2082.37	Horizontal	-45.82	-13	-32.82	Pass
7997.20	Horizontal	-45.21	-13	-32.21	Pass
16893.85	Horizontal	-38.24	-13	-25.24	Pass
95.96	Vertical	-61.24	-13	-48.24	Pass
384.71	Vertical	-58.48	-13	-45.48	Pass
630.42	Vertical	-60.02	-13	-47.02	Pass
2308.81	Vertical	-49.32	-13	-36.32	Pass
8020.67	Vertical	-52.19	-13	-39.19	Pass
16917.08	Vertical	-38.41	-13	-25.41	Pass

AWGN_High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
121.06	Horizontal	-63.48	-13	-50.48	Pass
475.80	Horizontal	-60.92	-13	-47.92	Pass
706.83	Horizontal	-59.03	-13	-46.03	Pass
2093.52	Horizontal	-45.49	-13	-32.49	Pass
8009.72	Horizontal	-42.74	-13	-29.74	Pass
16900.49	Horizontal	-37.52	-13	-24.52	Pass
94.30	Vertical	-64.00	-13	-51.00	Pass
396.90	Vertical	-58.62	-13	-45.62	Pass
635.85	Vertical	-58.54	-13	-45.54	Pass
2331.11	Vertical	-49.44	-13	-36.44	Pass
8021.97	Vertical	-51.93	-13	-38.93	Pass
16918.26	Vertical	-39.64	-13	-26.64	Pass

AWGN_100M_Low Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
119.06	Horizontal	-65.20	-13	-52.20	Pass
492.05	Horizontal	-62.30	-13	-49.30	Pass
719.83	Horizontal	-61.36	-13	-48.36	Pass
2109.48	Horizontal	-46.28	-13	-33.28	Pass
6889.98	Horizontal	-42.57	-13	-29.57	Pass
15570.05	Horizontal	-39.00	-13	-26.00	Pass
108.27	Vertical	-61.37	-13	-48.37	Pass
396.17	Vertical	-61.43	-13	-48.43	Pass
616.71	Vertical	-58.49	-13	-45.49	Pass
2119.17	Vertical	-52.11	-13	-39.11	Pass
7625.80	Vertical	-52.78	-13	-39.78	Pass
15600.29	Vertical	-39.85	-13	-26.85	Pass

AWGN_100M_Middle Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
104.53	Horizontal	-66.09	-13	-53.09	Pass
474.90	Horizontal	-64.06	-13	-51.06	Pass
706.05	Horizontal	-61.13	-13	-48.13	Pass
2120.88	Horizontal	-46.68	-13	-33.68	Pass
6907.59	Horizontal	-43.52	-13	-30.52	Pass
15573.03	Horizontal	-37.74	-13	-24.74	Pass
108.12	Vertical	-64.58	-13	-51.58	Pass
378.83	Vertical	-62.03	-13	-49.03	Pass
635.94	Vertical	-58.21	-13	-45.21	Pass
2103.48	Vertical	-49.65	-13	-36.65	Pass
7611.57	Vertical	-52.14	-13	-39.14	Pass
15599.57	Vertical	-38.51	-13	-25.51	Pass

AWGN_100M_High Channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
106.26	Horizontal	-66.45	-13	-53.45	Pass
473.78	Horizontal	-64.44	-13	-51.44	Pass
719.73	Horizontal	-61.19	-13	-48.19	Pass
2120.89	Horizontal	-45.83	-13	-32.83	Pass
6897.06	Horizontal	-45.38	-13	-32.38	Pass
15570.28	Horizontal	-40.30	-13	-27.30	Pass
113.12	Vertical	-63.54	-13	-50.54	Pass
393.17	Vertical	-60.96	-13	-47.96	Pass
634.55	Vertical	-59.43	-13	-46.43	Pass
2099.15	Vertical	-49.52	-13	-36.52	Pass
7623.80	Vertical	-51.85	-13	-38.85	Pass
15606.36	Vertical	-40.77	-13	-27.77	Pass