

1. Out of band rejection

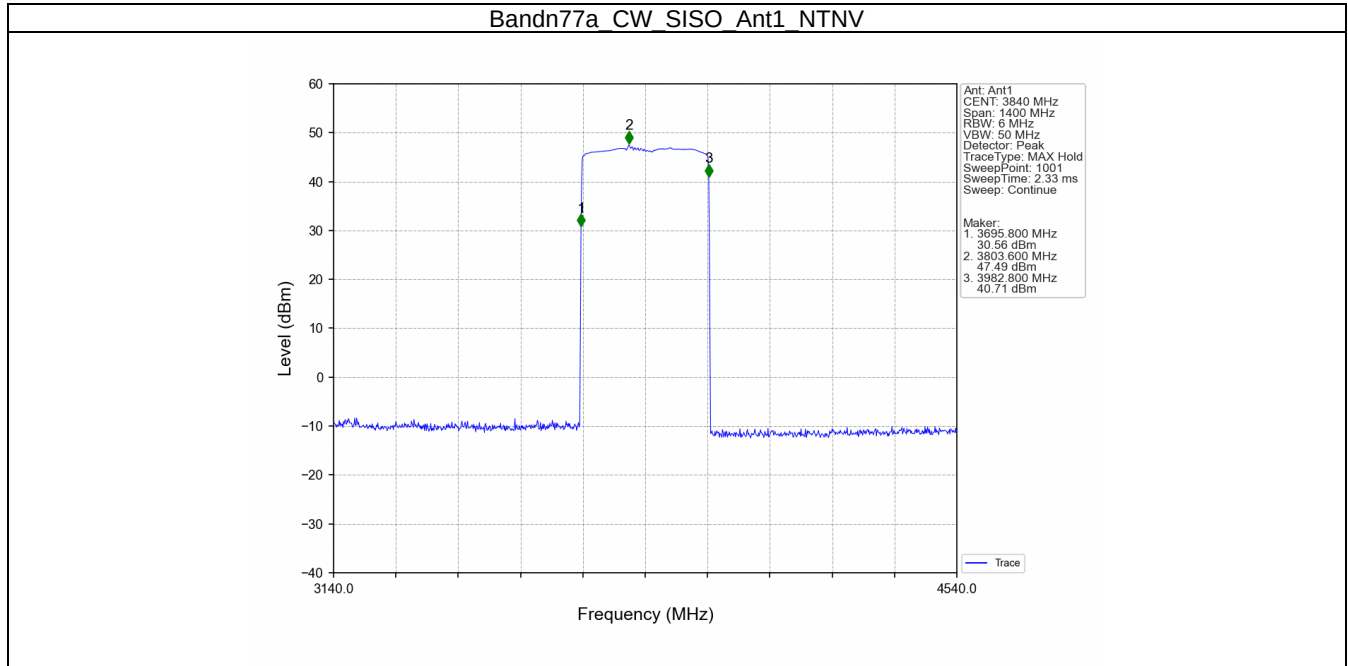
1.1 Test Result

1.1.1 Bandn77a

Band: n77a / NTNV							
Signal	Sweep Frequency Range (MHz)	TX Type	ANT	F0 (MHz)	FL (MHz)	FH (MHz)	Verdict
CW	3140 - 4540	SISO	1	3803.600	3695.800	3982.800	Pass

1.2 Test Graph

1.2.1 Bandn77a



2. AGC threshold

2.1 Test Result

2.1.1 Bandn77a

Band: n77a / NTNV					
Signal	Frequency (MHz)	TX Type	ANT	AGC Threshold (dBm)	Verdict
GMSK 0.2MHz	3803.6	SISO	1	0.00	Pass
AWGN 5MHz	3803.6	SISO	1	0.00	Pass
AWGN 100MHz	3803.6	SISO	1	0.00	Pass

3. Input-versus-output signal comparison

3.1 Test Result

3.1.1 Bandn77a_OBW

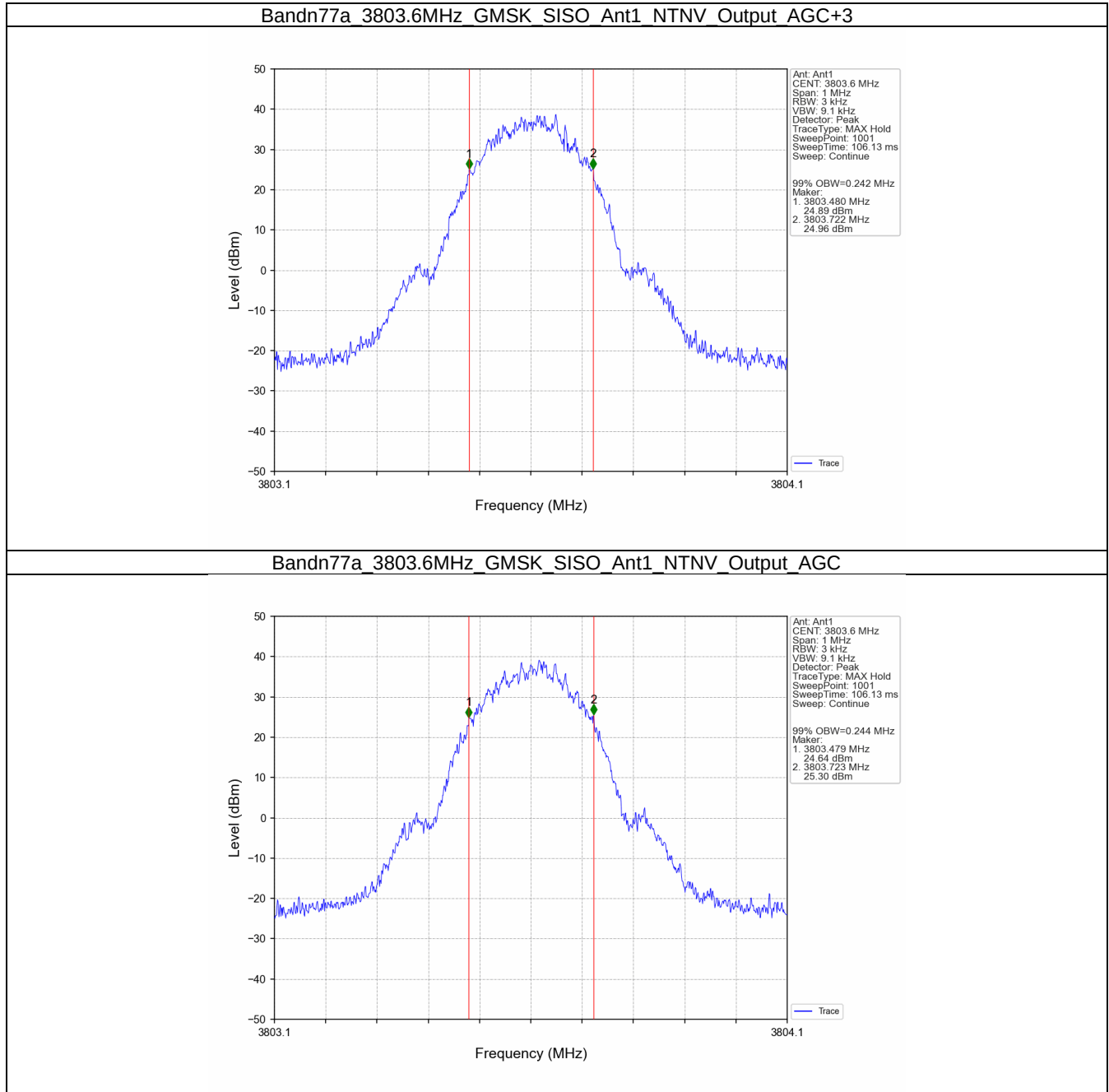
Band: n77a / NTNV							
Signal			TX Type	ANT	99% OBW (MHz)		Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	
GMSK 0.2MHz	3	3803.6	SISO	1	0.242	0.244	Pass
	0	3803.6	SISO	1	0.244	0.243	Pass
AWGN 5MHz	3	3803.6	SISO	1	4.548	4.533	Pass
	0	3803.6	SISO	1	4.535	4.531	Pass
AWGN 100MHz	3	3803.6	SISO	1	97.492	97.523	Pass
	0	3803.6	SISO	1	97.435	97.454	Pass

3.1.2 Bandn77a_EBW

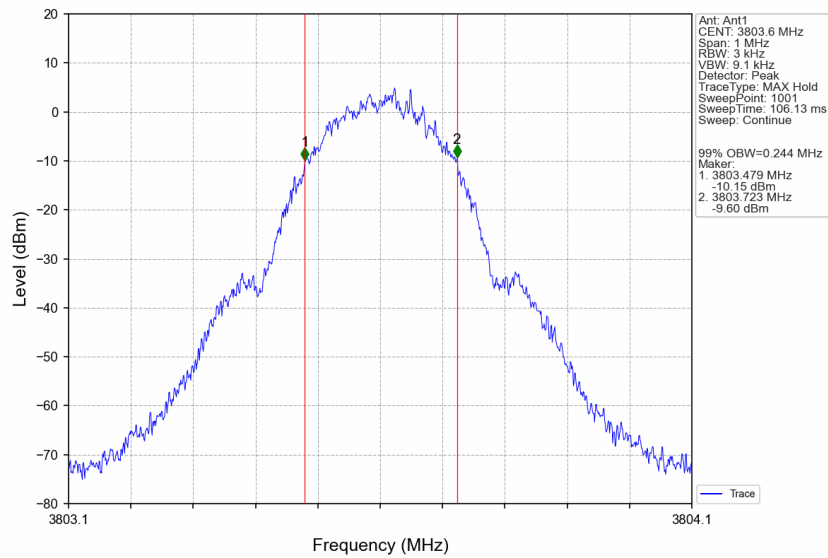
Band: n77a / NTNV							
Signal			TX Type	ANT	26dB EBW (MHz)		Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	
GMSK 0.2MHz	3	3803.6	SISO	1	0.309	0.314	Pass
	0	3803.6	SISO	1	0.310	0.311	Pass
AWGN 5MHz	3	3803.6	SISO	1	5.110	5.112	Pass
	0	3803.6	SISO	1	5.107	5.126	Pass
AWGN 100MHz	3	3803.6	SISO	1	100.697	100.628	Pass
	0	3803.6	SISO	1	100.604	100.559	Pass

3.2 Test Graph

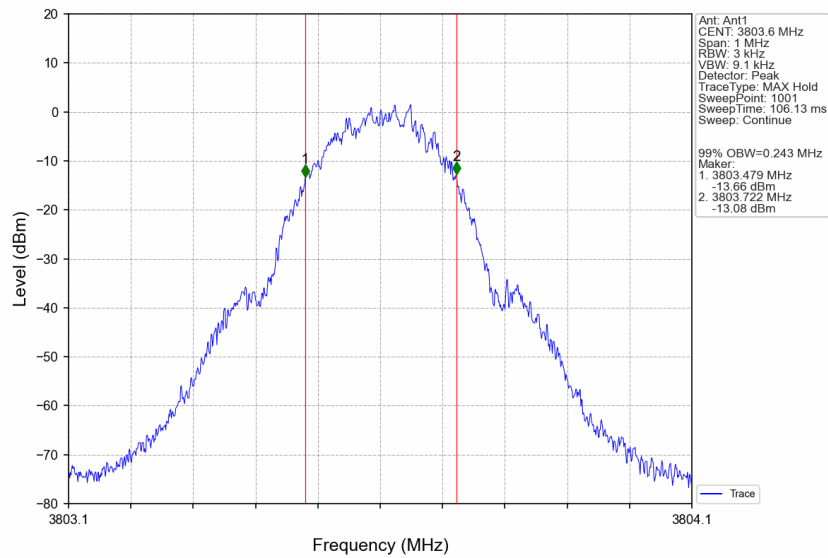
3.2.1 Bandn77a_OBW



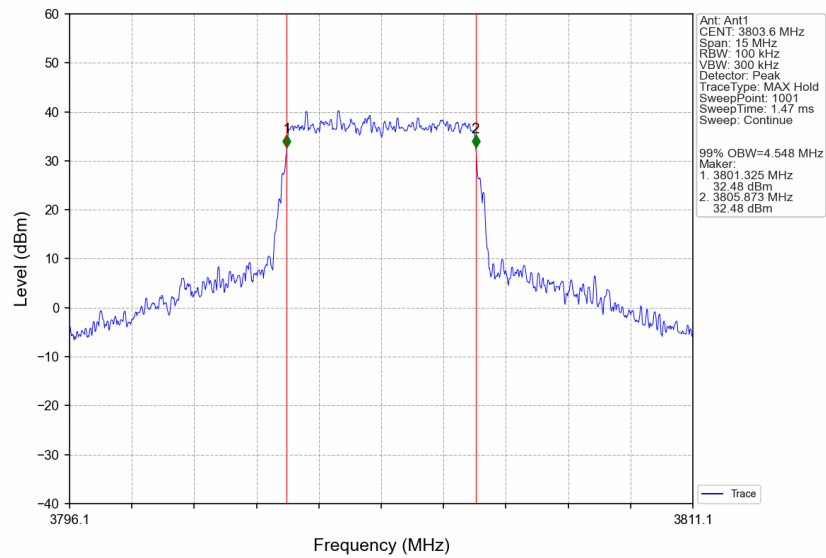
Bandn77a_3803.6MHz_GMSK_SISO_Ant1_NTNV_Input_AGC+3



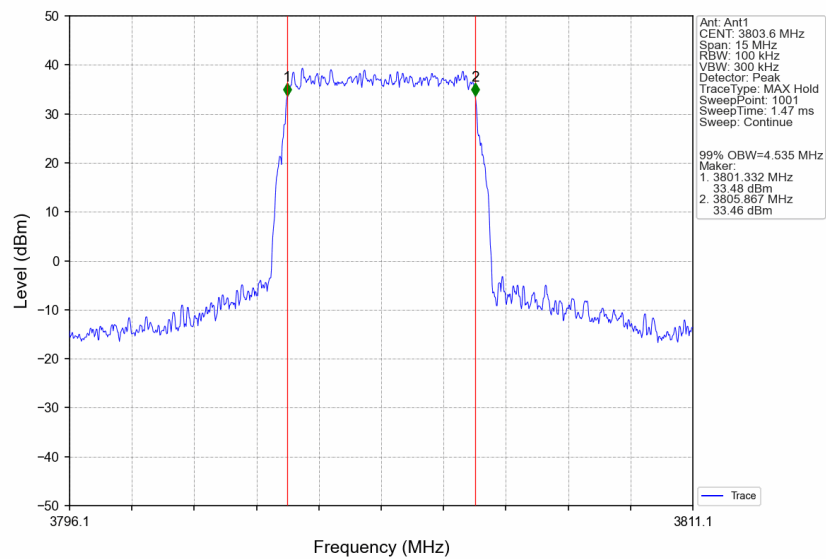
Bandn77a_3803.6MHz_GMSK_SISO_Ant1_NTNV_Input_AGC



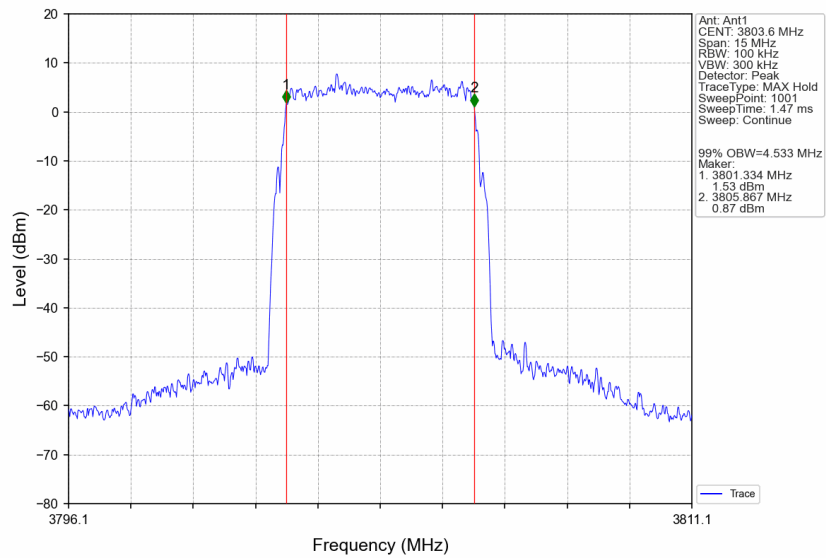
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_Output_AGC+3



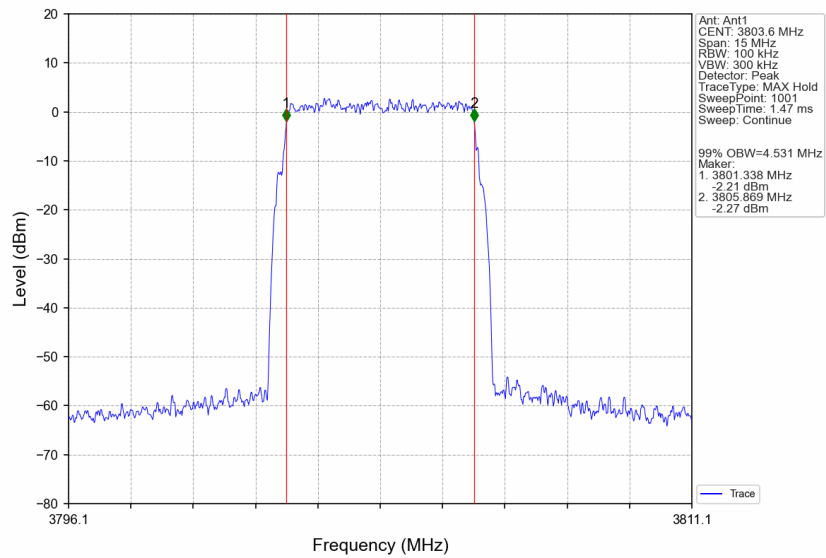
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_Output_AGC



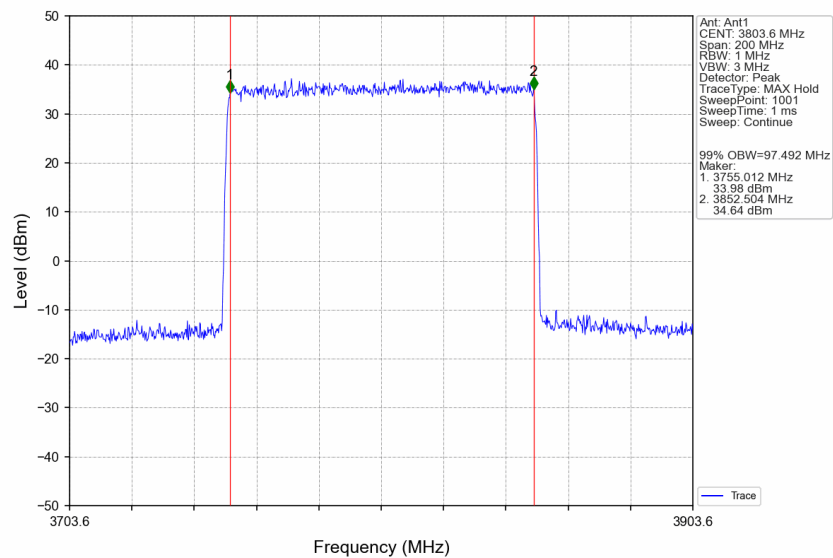
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_Input_AGC+3



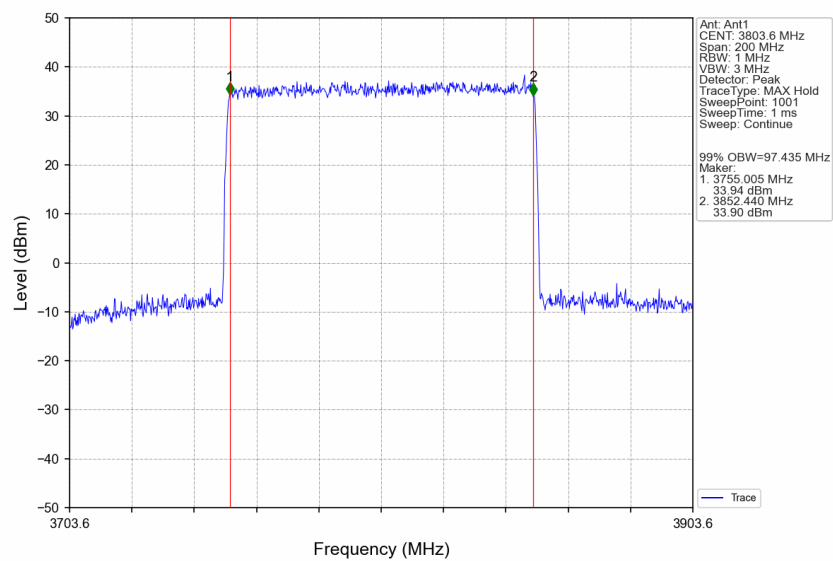
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_Input_AGC



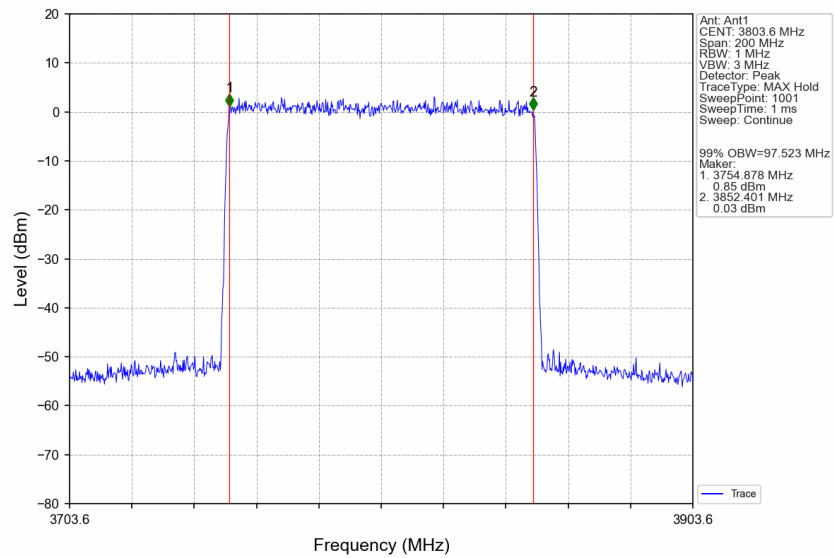
Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC+3



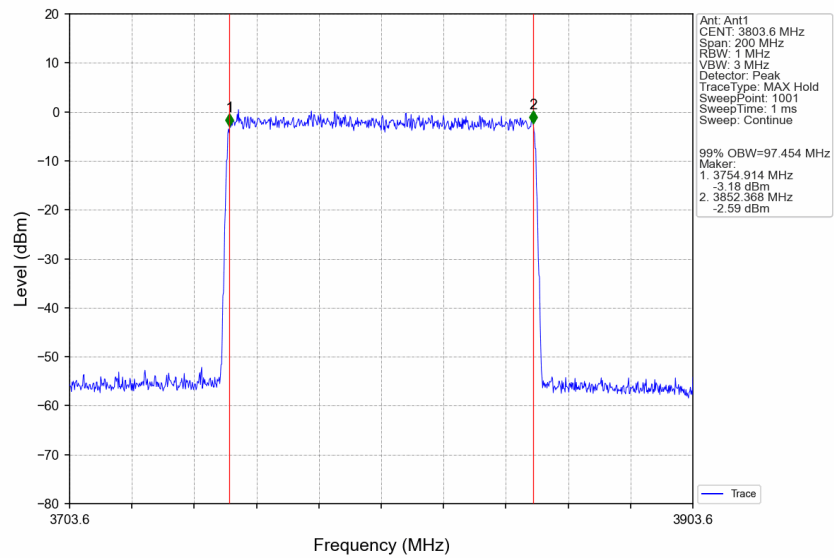
Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC



Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC+3

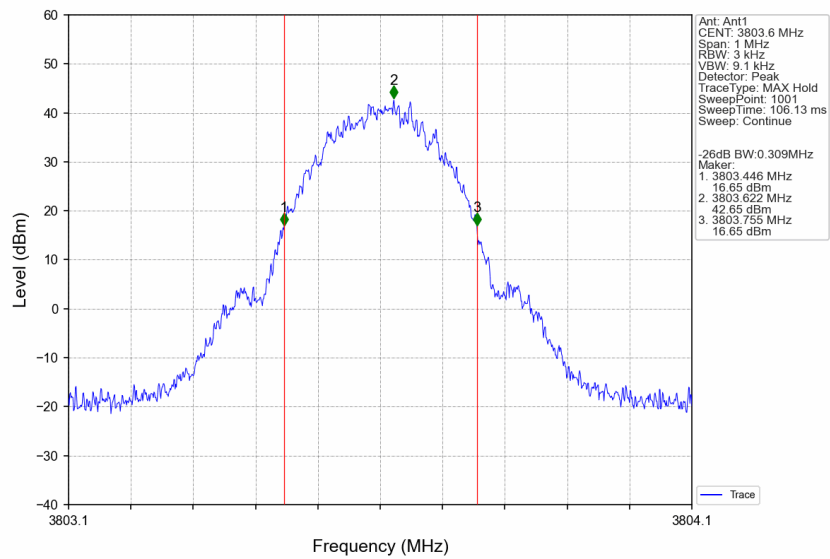


Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC

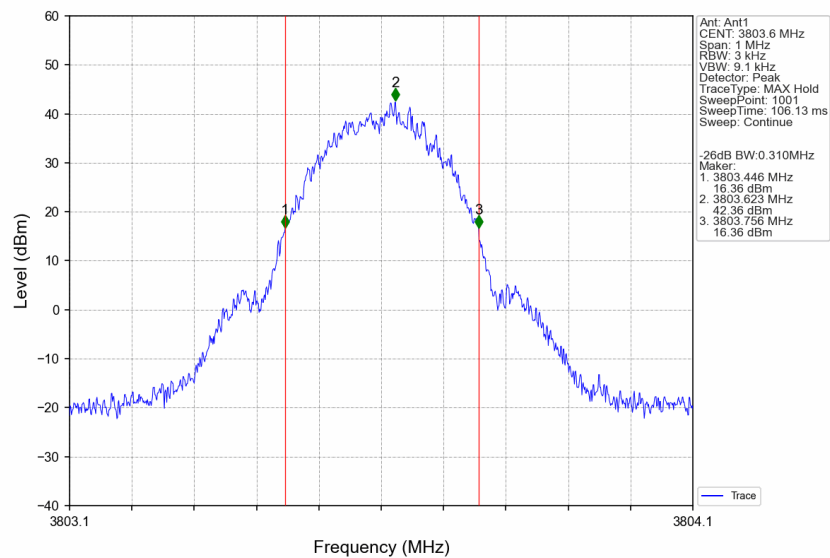


3.2.2 Bandn77a_EBW

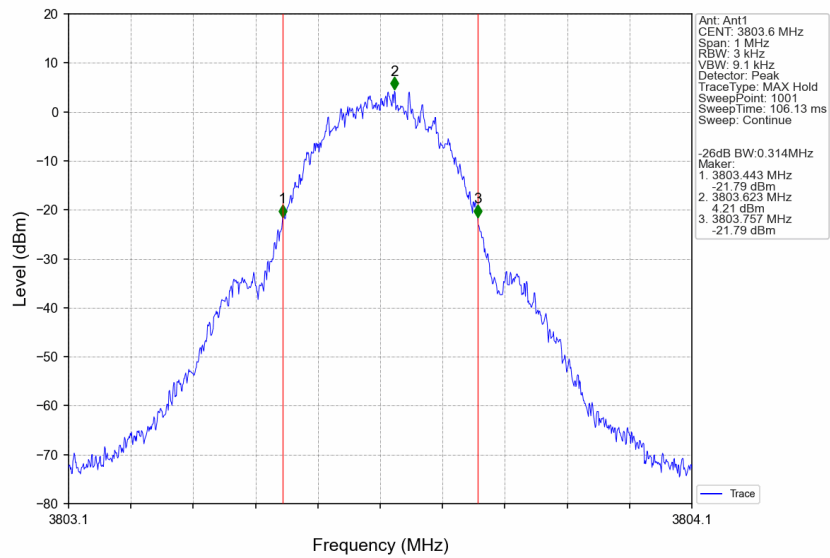
Bandn77a_3803.6MHz_GMSK_SISO_Ant1_NTNV_Output_AGC+3



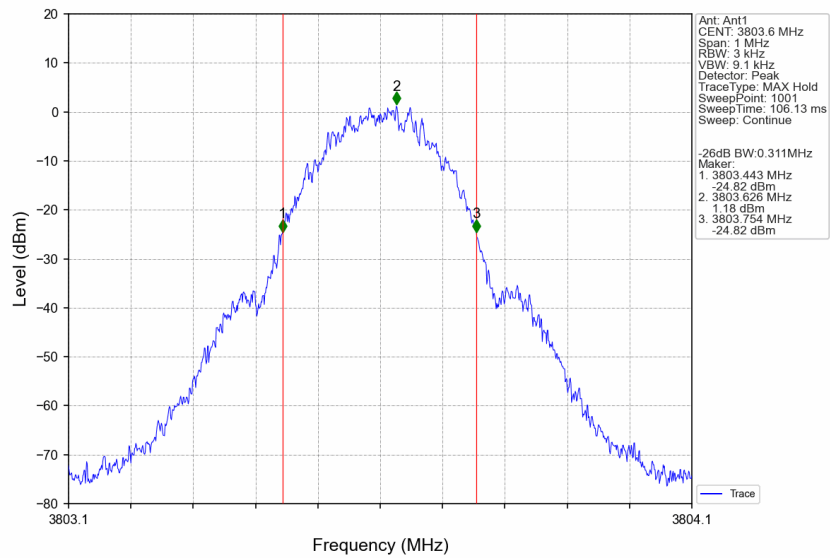
Bandn77a_3803.6MHz_GMSK_SISO_Ant1_NTNV_Output_AGC



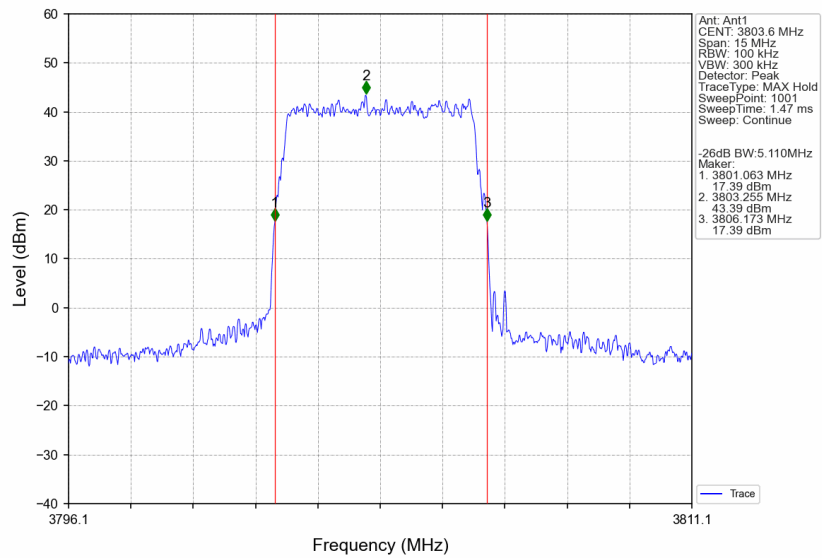
Bandn77a_3803.6MHz_GMSK_SISO_Ant1_NTNV_Input_AGC+3



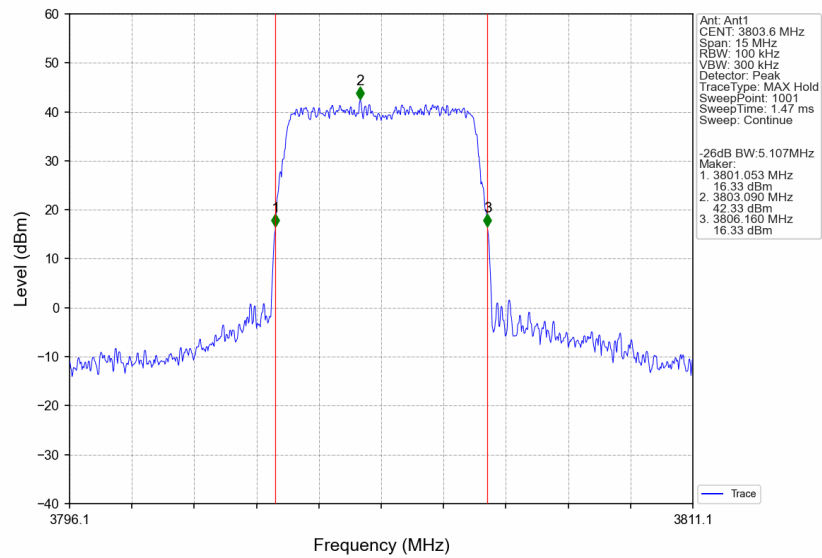
Bandn77a_3803.6MHz_GMSK_SISO_Ant1_NTNV_Input_AGC



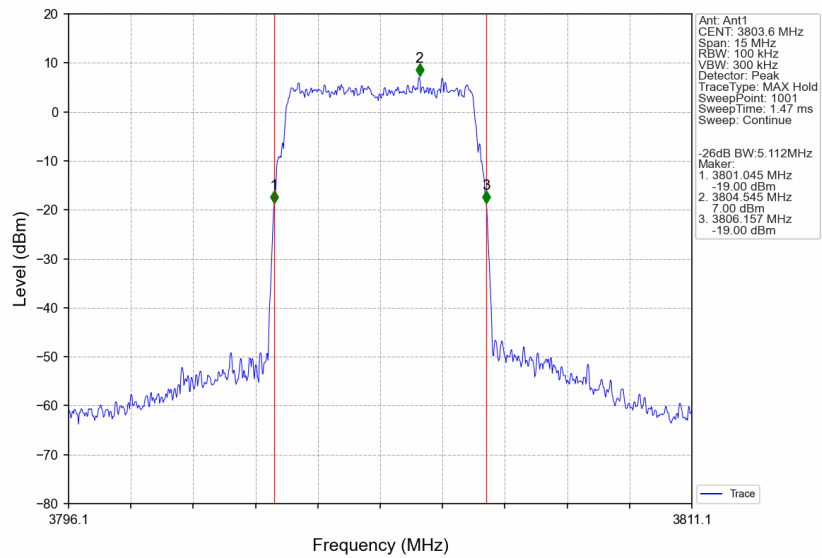
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_Output_AGC+3



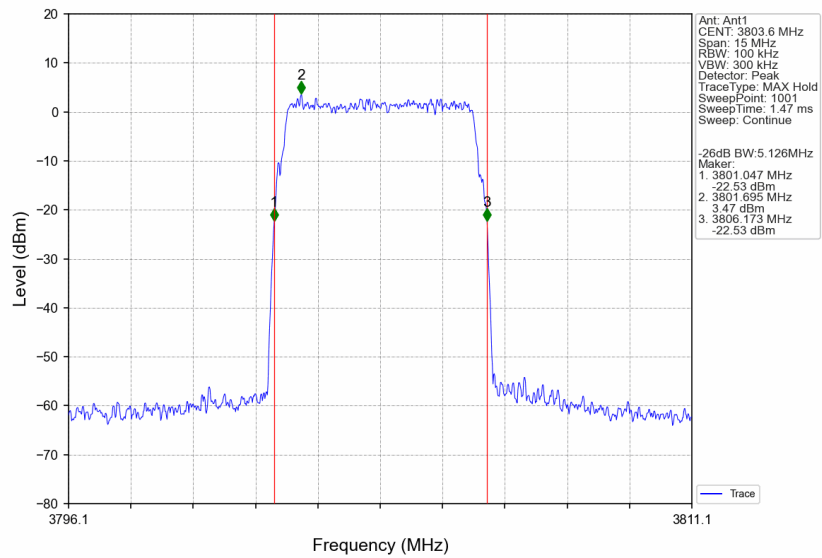
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_Output_AGC



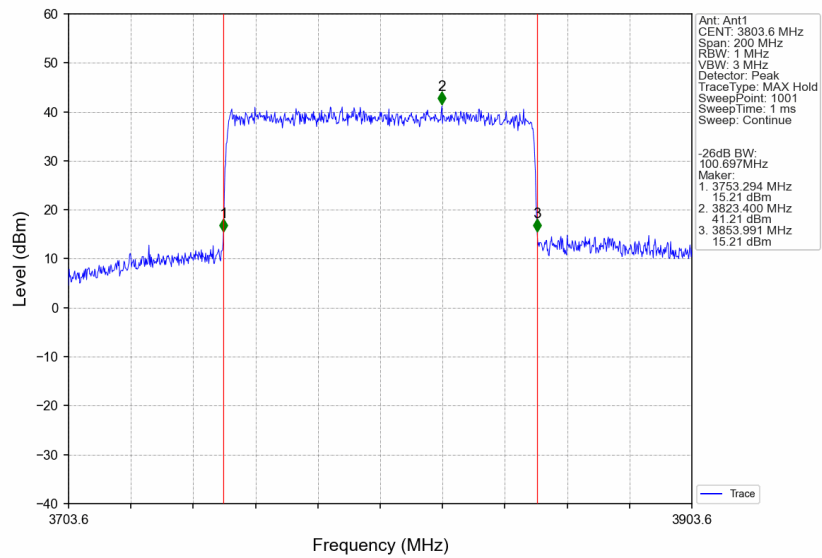
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_Input_AGC+3



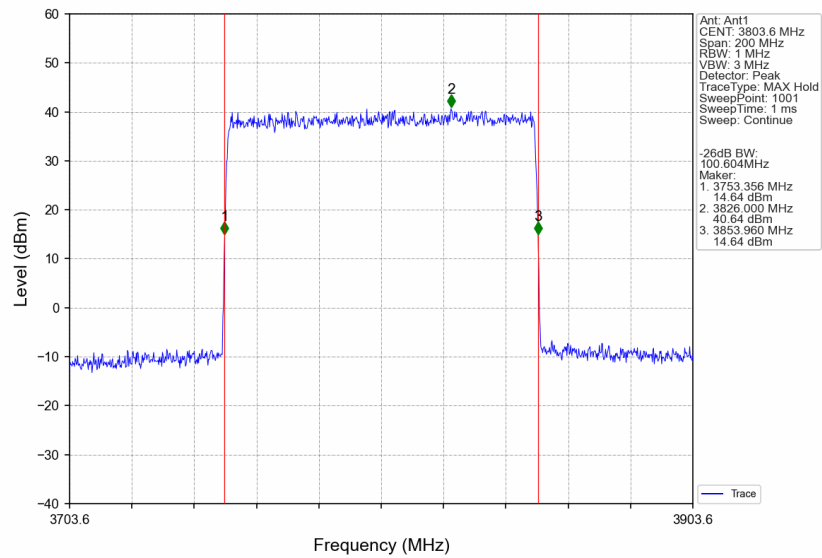
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_Input_AGC



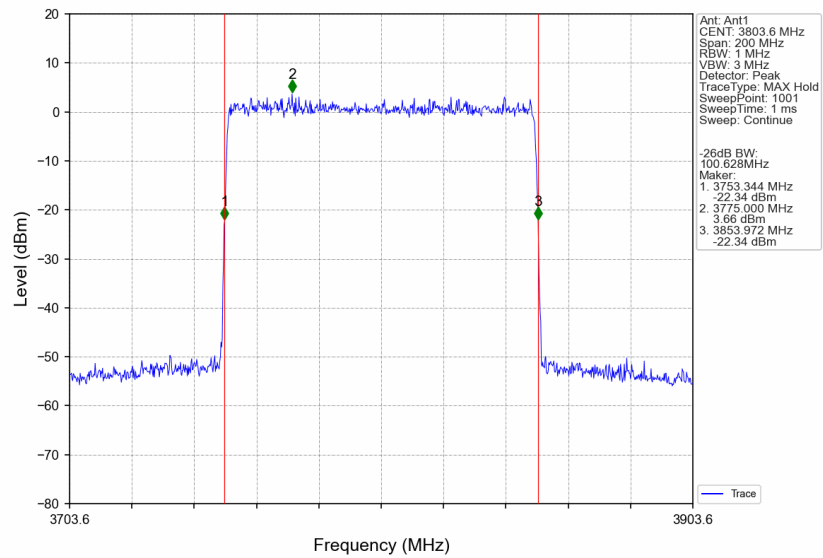
Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC+3



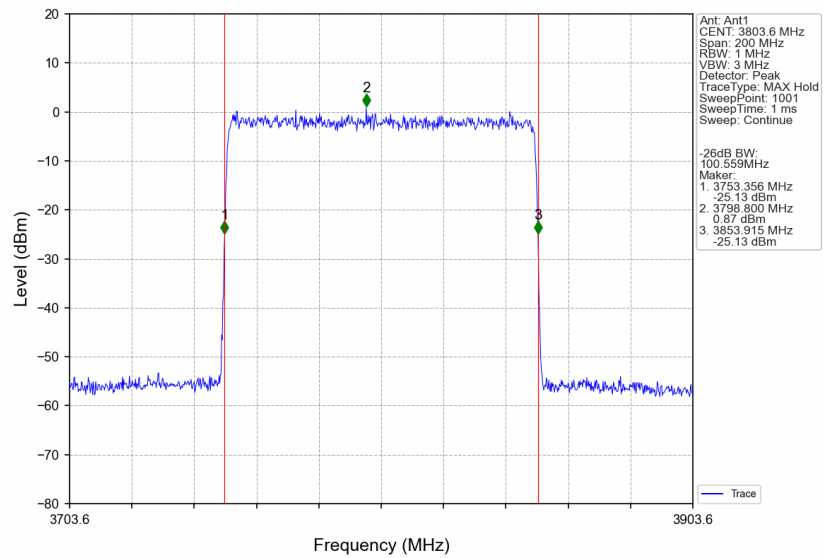
Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC



Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC+3



Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC



4. Input/output power and amplifier/booster gain

4.1 Test Result

4.1.1 Bandn77a_EIRP

Band: 77a / NTNV											
Signal			TX Type	ANT	Conducted Power (dBm/MHz)		EIRP (dBm/MHz)		Booster Gain (dB)	Nominal Gain (dB)	Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	Result	Limit			
GMSK 0.2MHz	0	3803.6	SISO	1	45.94	-0.11	56.94	<=65.16	46.05	46.00	Pass
	3	3803.6	SISO	1	46.00	2.91	57.00	<=65.16	/	/	Pass
AWGN 5MHz	0	3803.6	SISO	1	39.08	-6.94	50.08	<=65.16	46.02	46.00	Pass
	3	3803.6	SISO	1	39.16	-3.89	50.16	<=65.16	/	/	Pass
AWGN 100MHz	0	3803.6	SISO	1	26.41	-19.71	37.41	<=65.16	46.12	46.00	Pass
	3	3803.6	SISO	1	26.70	-16.73	37.70	<=65.16	/	/	Pass

Band: 77a / NTNV								
Signal			Conducted Power (dBm/MHz)		EIRP (dBm/MHz)		Limit (dBm/MHz)	Verdict
Type	Level (dBm)	Frequency (MHz)	SISO	2X2 MIMO	SISO	2X2 MIMO		
GMSK 0.2MHz	0	3803.6	45.94	48.95	56.94	59.95	<=65.16	Pass
	3	3803.6	46.00	49.01	57.00	60.01	<=65.16	Pass
AWGN 5MHz	0	3803.6	39.08	42.09	50.08	53.09	<=65.16	Pass
	3	3803.6	39.16	42.17	50.16	53.17	<=65.16	Pass
AWGN 100MHz	0	3803.6	26.41	29.42	37.41	40.42	<=65.16	Pass
	3	3803.6	26.70	29.71	37.70	40.71	<=65.16	Pass

Band: 77a / NTNV								
Signal			Conducted Power (dBm)		EIRP (dBm)		Limit(dBm)	Verdict
Type	Level (dBm)	Frequency (MHz)	SISO	2X2 MIMO	SISO	2X2 MIMO		
GMSK 0.2MHz	0	3803.6	45.94	48.95	56.94	59.95	/	Pass
	3	3803.6	46.00	49.01	57.00	60.01	/	Pass
AWGN 5MHz	0	3803.6	46.07	49.08	57.07	60.08	/	Pass
	3	3803.6	46.15	49.16	57.15	60.16	/	Pass
AWGN 100MHz	0	3803.6	46.41	49.42	57.41	60.42	/	Pass
	3	3803.6	46.70	49.71	57.70	60.71	/	Pass

Note1: Antenna Gain=11dBi, EIRP=Conducted Power + Antenna Gain.

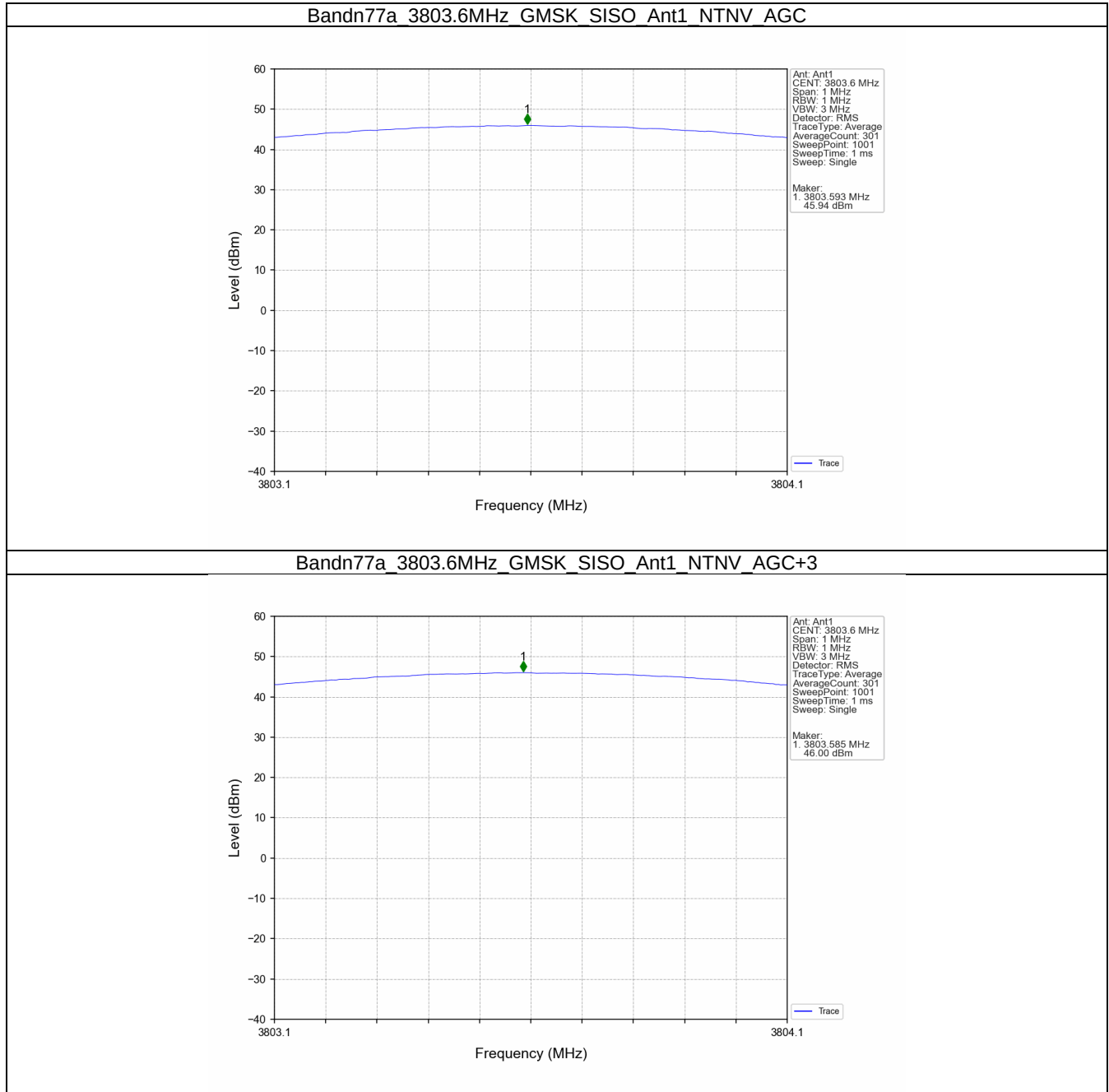
Note2: EUT supports MIMO and each antenna port is the same, according to C63.26 6.4, a coefficient is added to the single antenna port power to calculate the total power. 2x2 MIMO add $10\lg(2)=3.01$ dB.

4.1.2 Bandn77a_PAPR

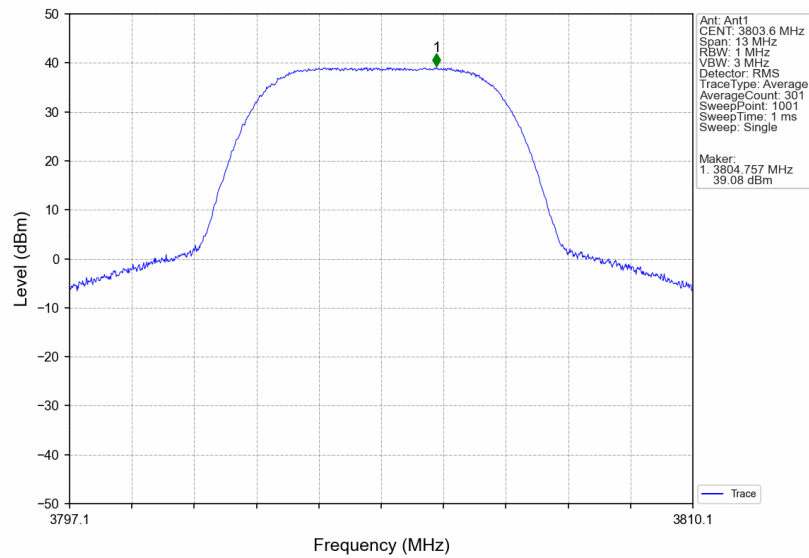
Band: n77a / NTNV							
Signal			TX Type	ANT	PAPR (dB)		Verdict
Type	Level (dBm)	Frequency (MHz)			Result	Limit	
GMSK 0.2MHz	0	3803.6	SISO	1	0.35	<=13	Pass
	3	3803.6	SISO	1	0.42	<=13	Pass
AWGN 5MHz	0	3803.6	SISO	1	8.23	<=13	Pass
	3	3803.6	SISO	1	8.21	<=13	Pass
AWGN 100MHz	0	3803.6	SISO	1	8.38	<=13	Pass
	3	3803.6	SISO	1	8.34	<=13	Pass

4.2 Test Graph

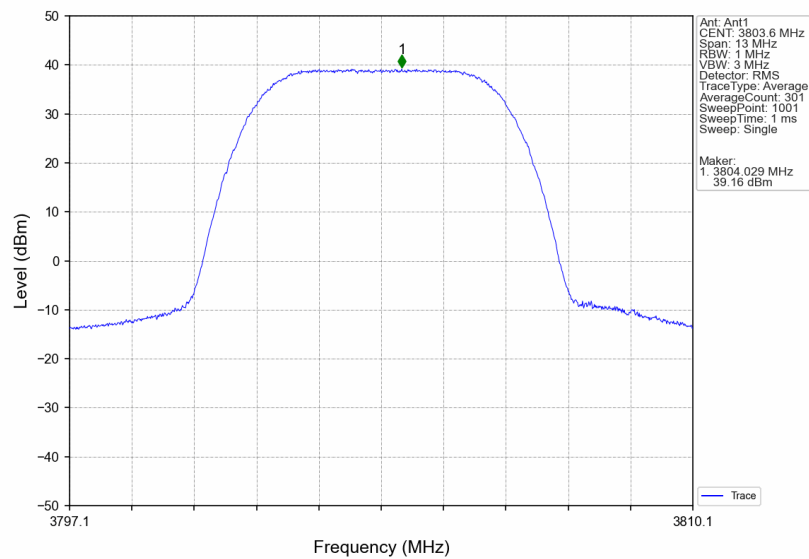
4.2.1 Bandn77a_EIRP



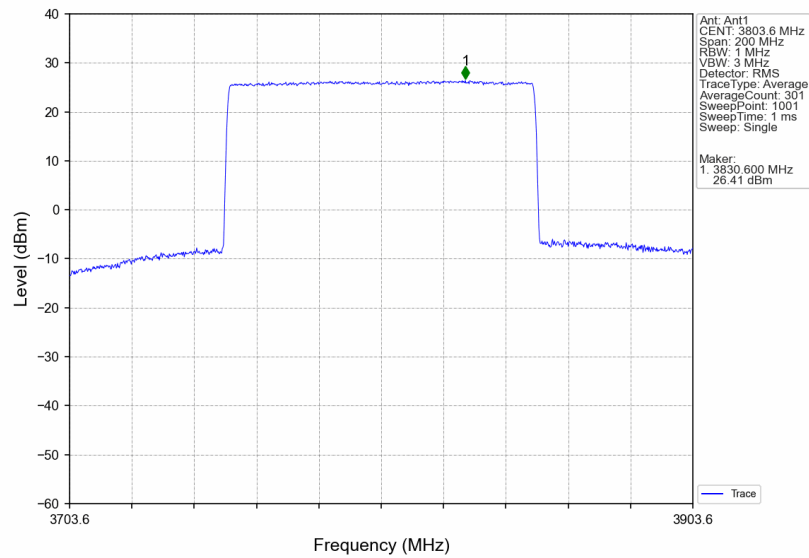
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_AGC



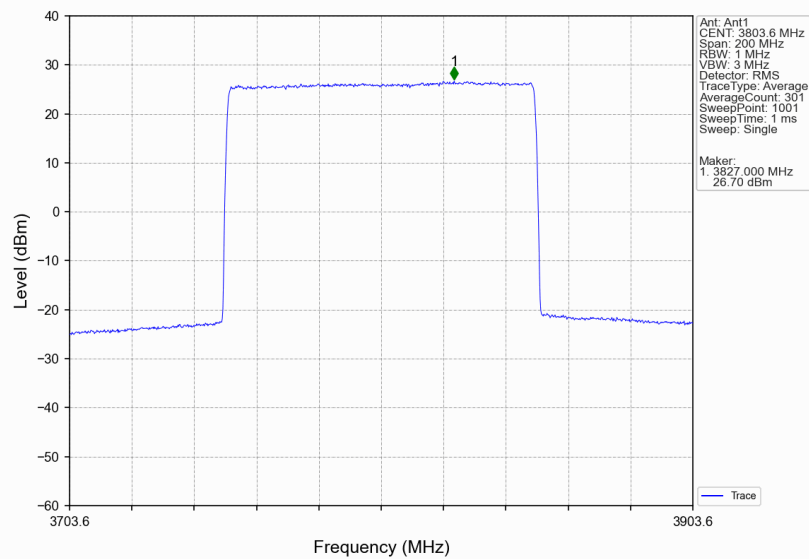
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_AGC+3



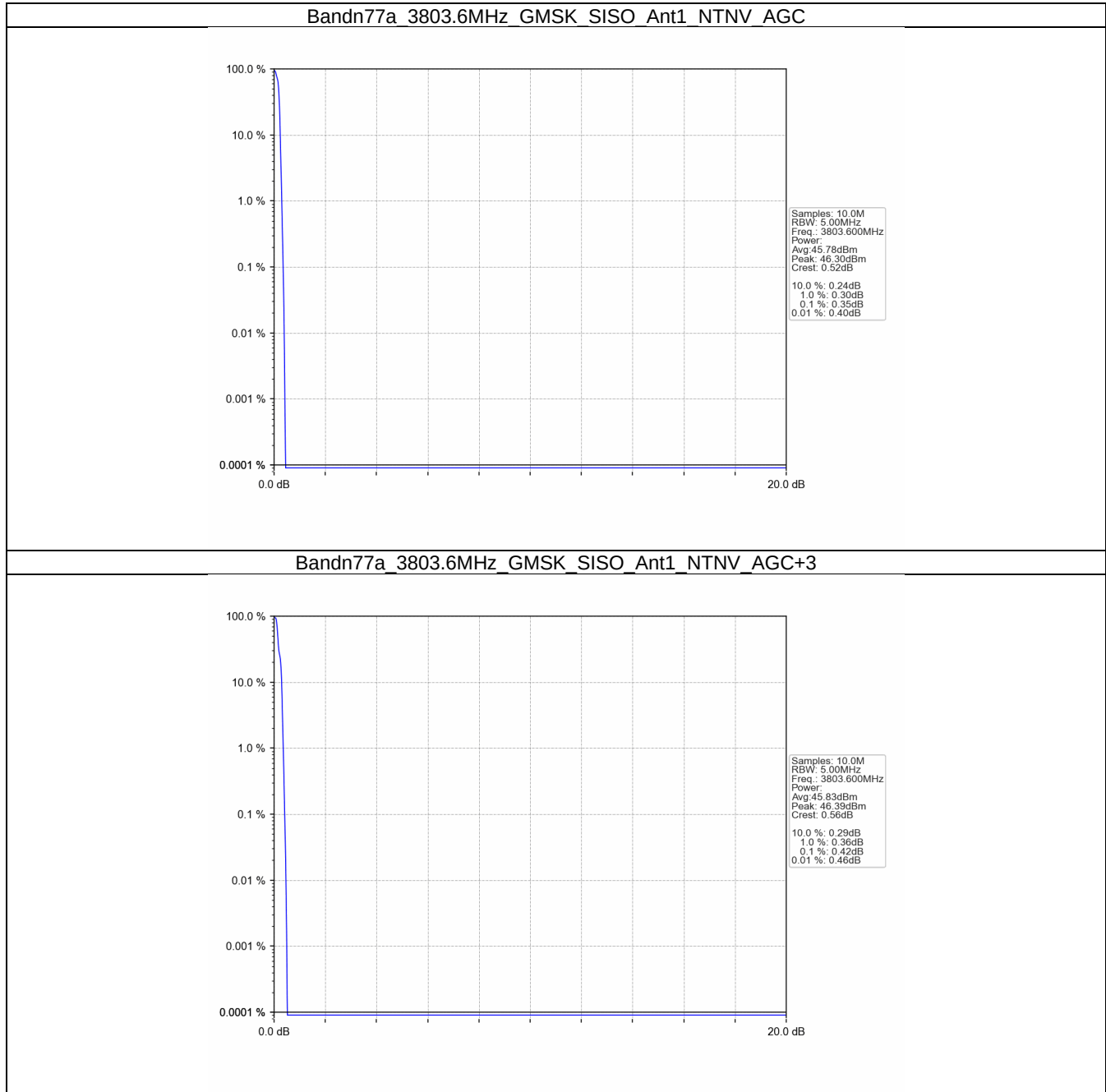
Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



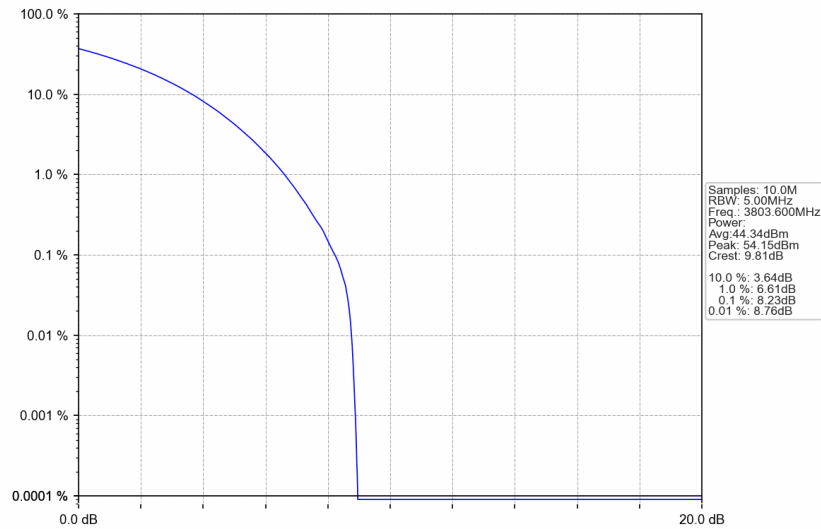
Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



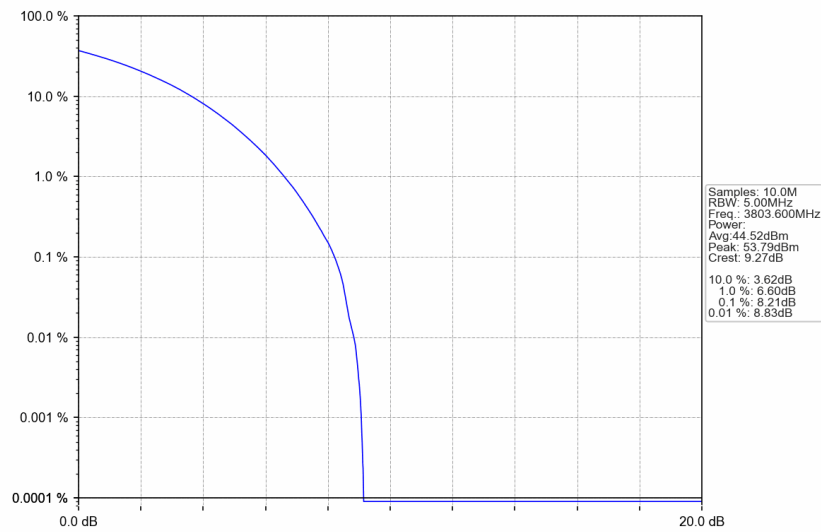
4.2.2 Bandn77a_PAPR



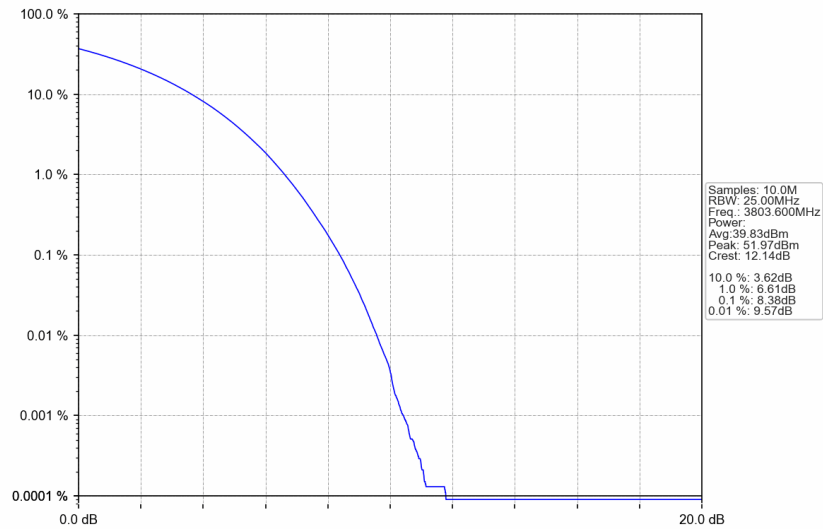
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_AGC



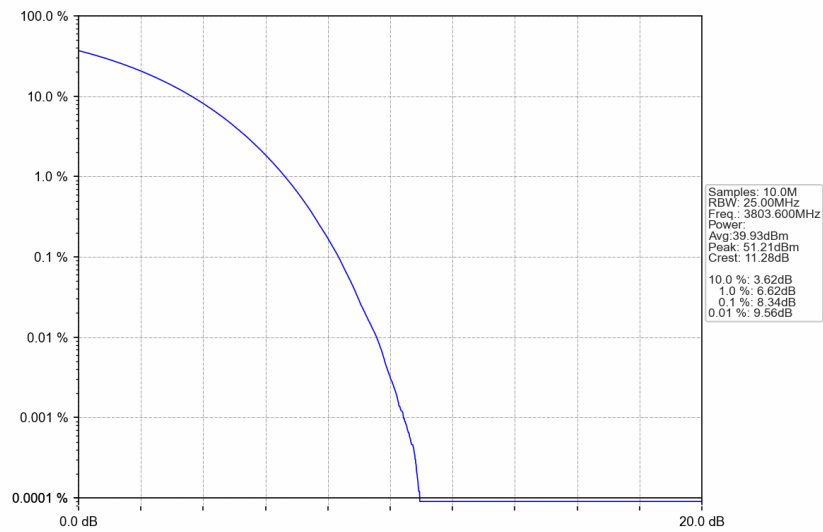
Bandn77a_3803.6MHz_AWGN_SISO_Ant1_NTNV_AGC+3



Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



Bandn77a_3803.6MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



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

5.1 Test Result

5.1.1 Bandn77a

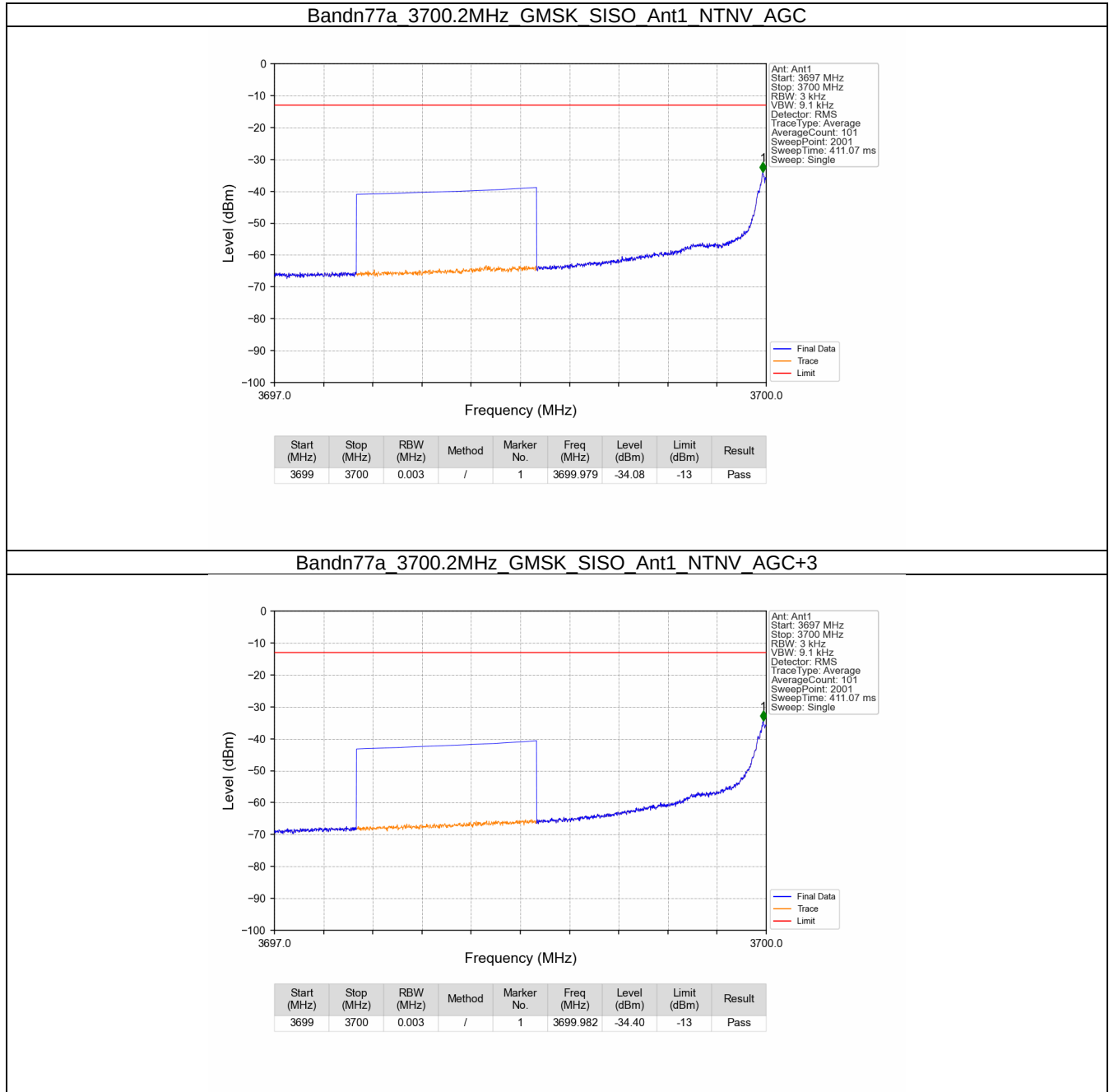
Band: n77a / NTV									
Signal				Channel	TX Type	ANT	OOB (dBm)		Verdict
Input	Type	Level (dBm)	Frequency (MHz)				Result	Limit	
Two	GMSK 0.2MHz	0	3700.2	LCH	SISO	1	-34.08	Refer To Test Graph	Pass
		3	3700.2	LCH	SISO	1	-34.40	Refer To Test Graph	Pass
One	GMSK 0.2MHz	0	3700.2	LCH	SISO	1	-34.10	Refer To Test Graph	Pass
		3	3700.2	LCH	SISO	1	-33.70	Refer To Test Graph	Pass
Two	GMSK 0.2MHz	0	3979.8	HCH	SISO	1	-33.81	Refer To Test Graph	Pass
		3	3979.8	HCH	SISO	1	-35.16	Refer To Test Graph	Pass
One	GMSK 0.2MHz	0	3979.8	HCH	SISO	1	-33.92	Refer To Test Graph	Pass
		3	3979.8	HCH	SISO	1	-33.70	Refer To Test Graph	Pass
Two	AWGN 5MHz	0	3702.5	LCH	SISO	1	-41.53	Refer To Test Graph	Pass
		3	3702.5	LCH	SISO	1	-30.53	Refer To Test Graph	Pass
One	AWGN 5MHz	0	3702.5	LCH	SISO	1	-41.65	Refer To Test Graph	Pass
		3	3702.5	LCH	SISO	1	-44.74	Refer To Test Graph	Pass
Two	AWGN 5MHz	0	3977.5	HCH	SISO	1	-33.70	Refer To Test Graph	Pass
		3	3977.5	HCH	SISO	1	-38.11	Refer To Test Graph	Pass
One	AWGN 5MHz	0	3977.5	HCH	SISO	1	-24.84	Refer To Test Graph	Pass
		3	3977.5	HCH	SISO	1	-24.70	Refer To Test Graph	Pass
Two	AWGN 100MHz	0	3750	LCH	SISO	1	-32.31	Refer To Test Graph	Pass
		3	3750	LCH	SISO	1	-32.51	Refer To Test Graph	Pass
One	AWGN 100MHz	0	3750	LCH	SISO	1	-32.07	Refer To Test Graph	Pass
		3	3750	LCH	SISO	1	-31.97	Refer To Test Graph	Pass
Two	AWGN 100MHz	0	3930	HCH	SISO	1	-28.00	Refer To Test Graph	Pass
		3	3930	HCH	SISO	1	-27.19	Refer To Test Graph	Pass
One	AWGN 100MHz	0	3930	HCH	SISO	1	-28.90	Refer To Test Graph	Pass

		3	3930	HCH	SISO	1	-29.14	Refer To Test Graph	Pass
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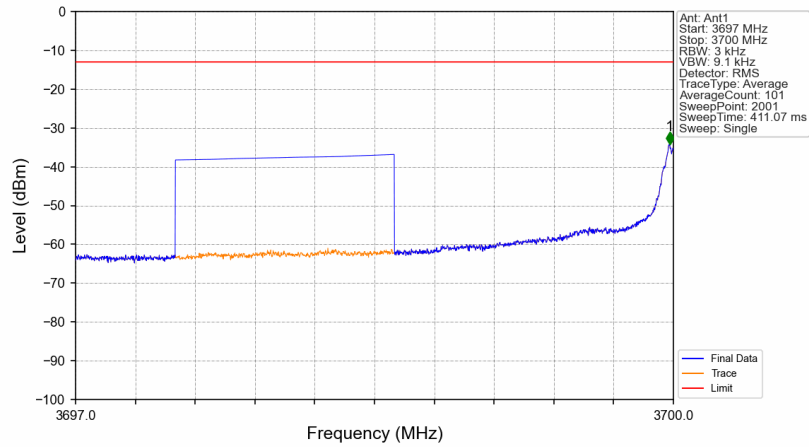
Note: According to ANSI C63.26:2015 section 5.2.5.3: For MIMO mode, the conducted band edge and conducted spurious emission are tested on a single output port and then adjusted according to $10 \cdot \lg(N_{ANT})$ rule. MIMO $2 \times 2 = \text{SISO} + 3.01\text{dB}$. (The worst mode is Ant1, all test results have a margin of at least 3.01dB from the limit values within the corresponding test range, so the test result is pass.)

5.2 Test Graph

5.2.1 Bandn77a

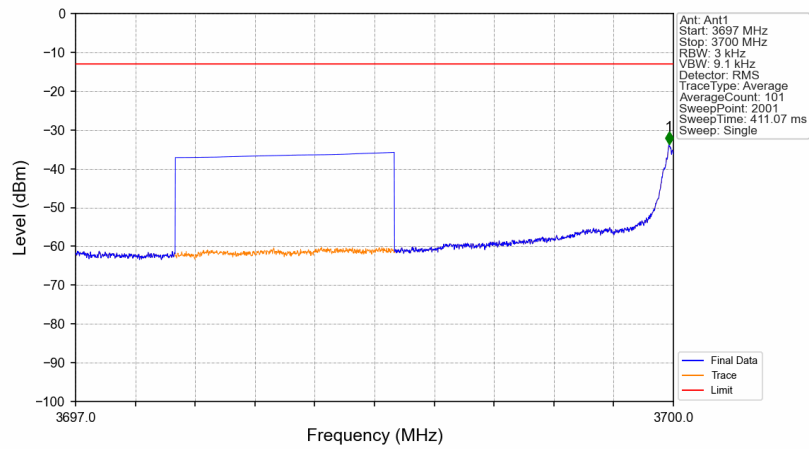


Bandn77a_3700.2MHz_GMSK_SISO_Ant1_NTNV_AGC



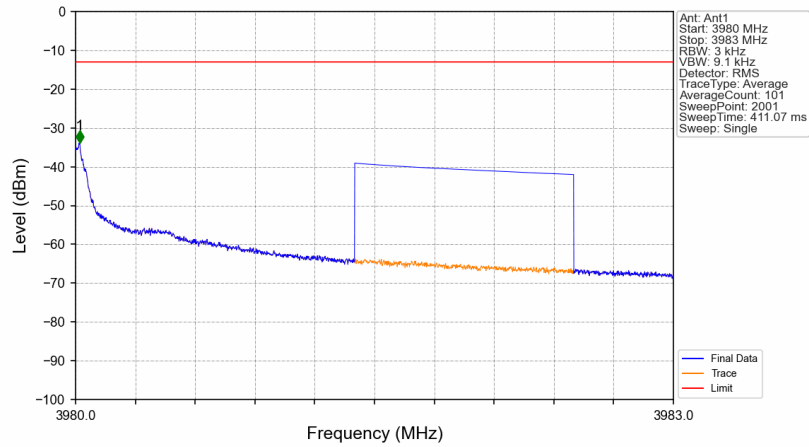
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3699	3700	0.003	/	1	3699.982	-34.10	-13	Pass

Bandn77a_3700.2MHz_GMSK_SISO_Ant1_NTNV_AGC+



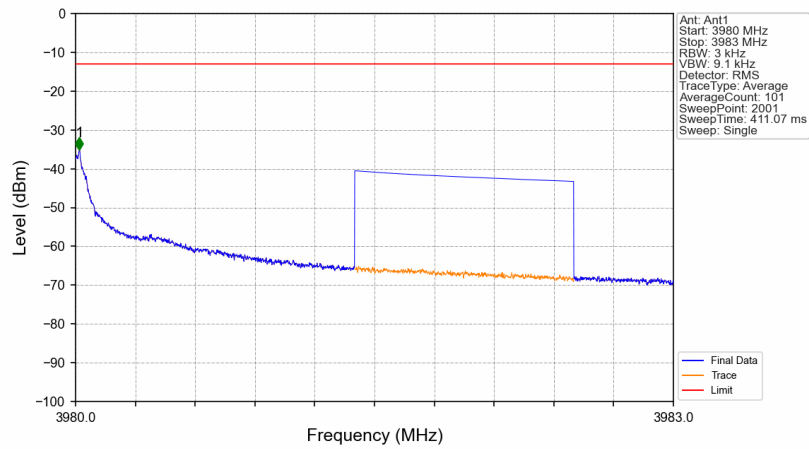
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3699	3700	0.003	/	1	3699.977	-33.70	-13	Pass

Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV_AGC



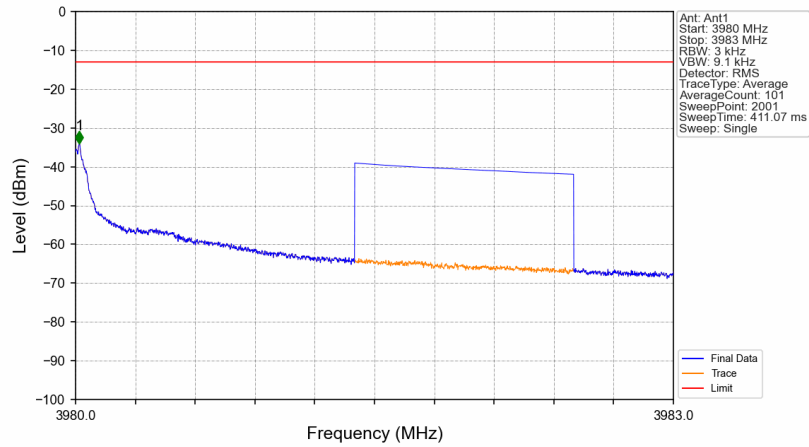
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3981	3983	1	CHP	1	3980.021	-33.82	-13	Pass

Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV_AGC+3



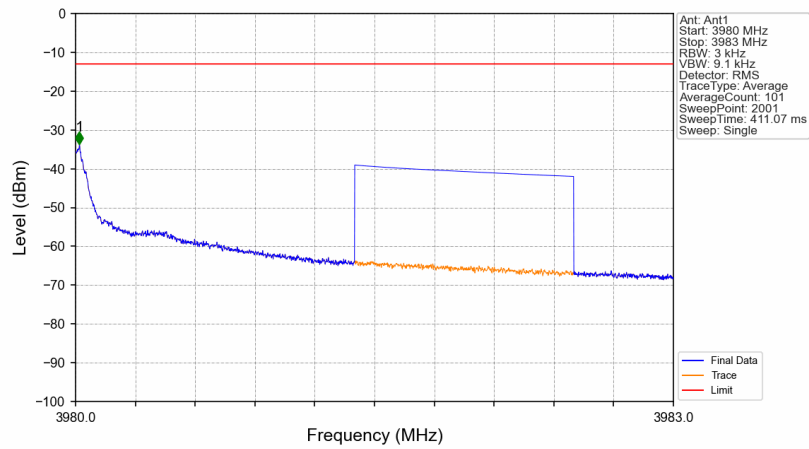
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3981	3983	1	CHP	1	3980.019	-35.16	-13	Pass

Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV_AGC



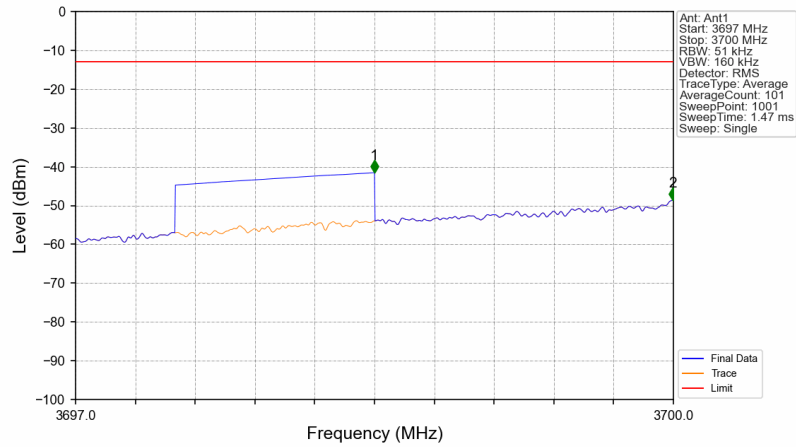
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3981	3983	1	CHP	1	3980.019	-33.92	-13	Pass

Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV_AGC+3



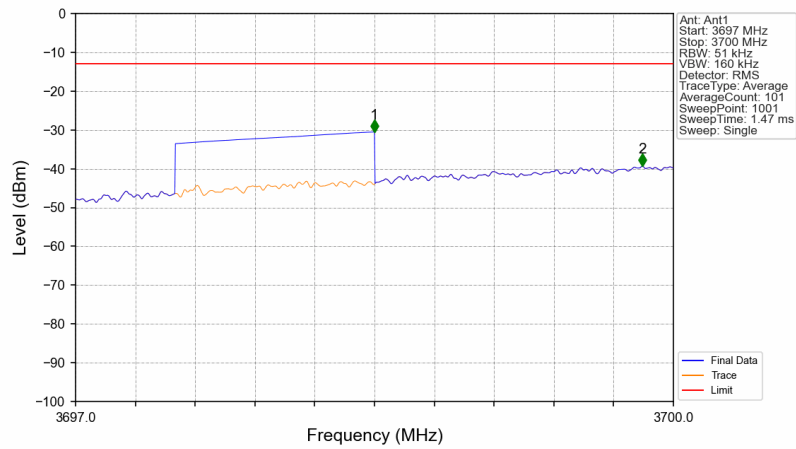
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3981	3983	1	CHP	1	3980.019	-33.71	-13	Pass

Bandn77a_3702.5MHz_AWGN_SISO_Ant1_NTNV_AGC



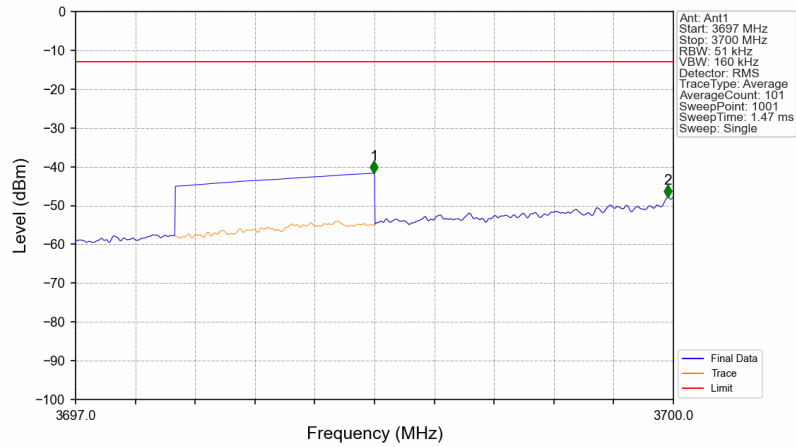
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	CHP	1	3698.500	-41.53	-13	Pass
3699	3700	0.051	/	2	3699.997	-48.52	-13	Pass

Bandn77a_3702.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



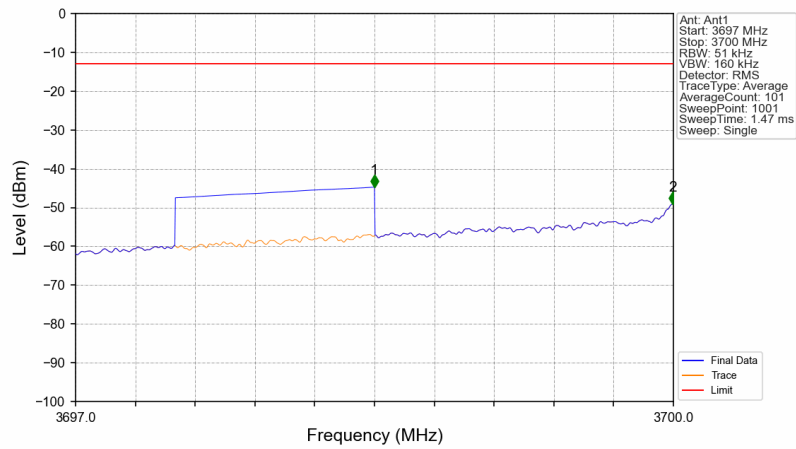
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	CHP	1	3698.500	-30.53	-13	Pass
3699	3700	0.051	/	2	3699.844	-39.31	-13	Pass

Bandn77a_3702.5MHz_AWGN_SISO_Ant1_NTNV_AGC



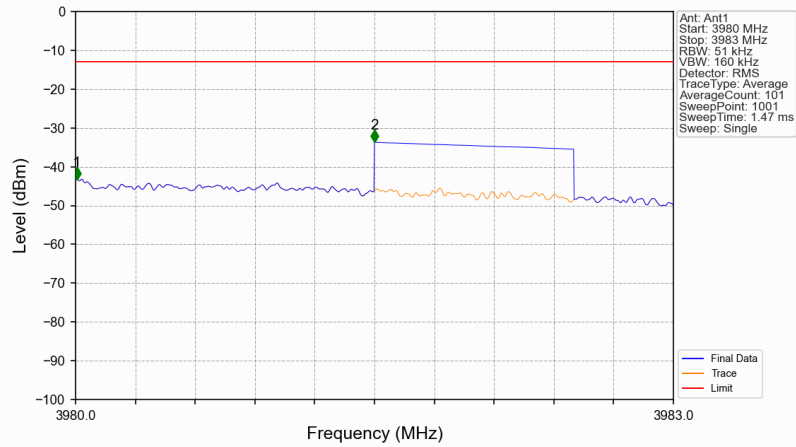
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	CHP	1	3698.497	-41.65	-13	Pass
3699	3700	0.051	/	2	3699.973	-47.79	-13	Pass

Bandn77a_3702.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



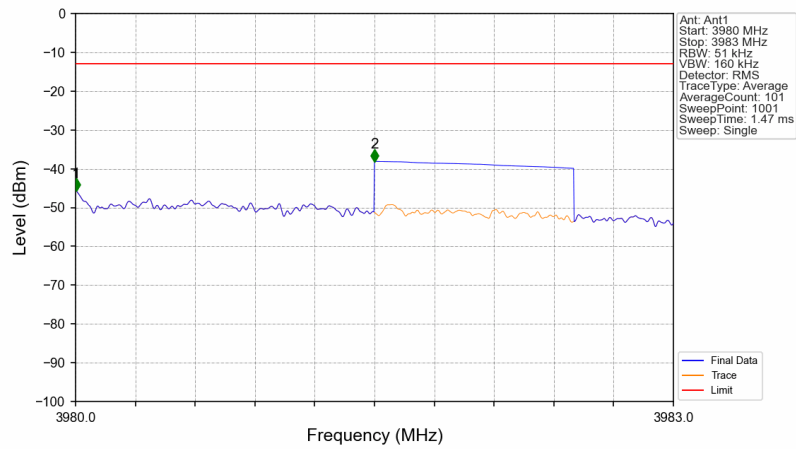
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	CHP	1	3698.500	-44.74	-13	Pass
3699	3700	0.051	/	2	3699.997	-49.04	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV_AGC



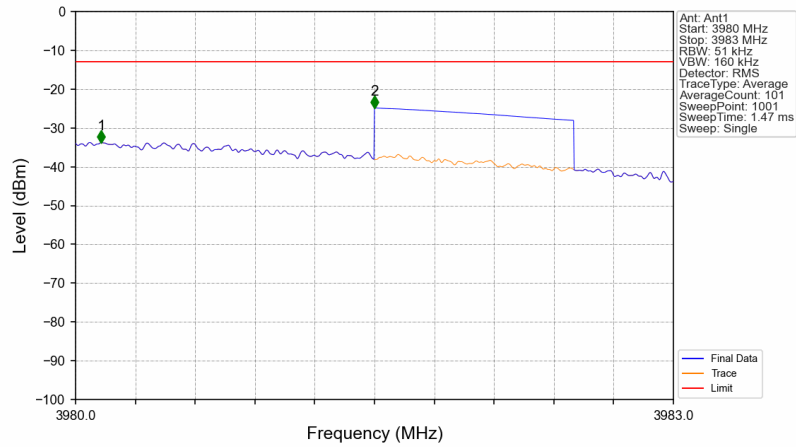
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	0.051	/	1	3980.006	-43.21	-13	Pass
3981	3983	1	CHP	2	3981.500	-33.70	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



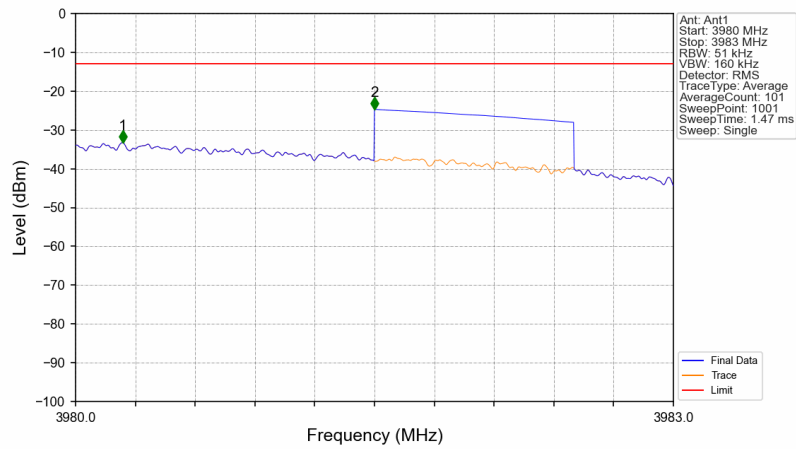
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	0.051	/	1	3980.003	-45.65	-13	Pass
3981	3983	1	CHP	2	3981.500	-38.11	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV_AGC



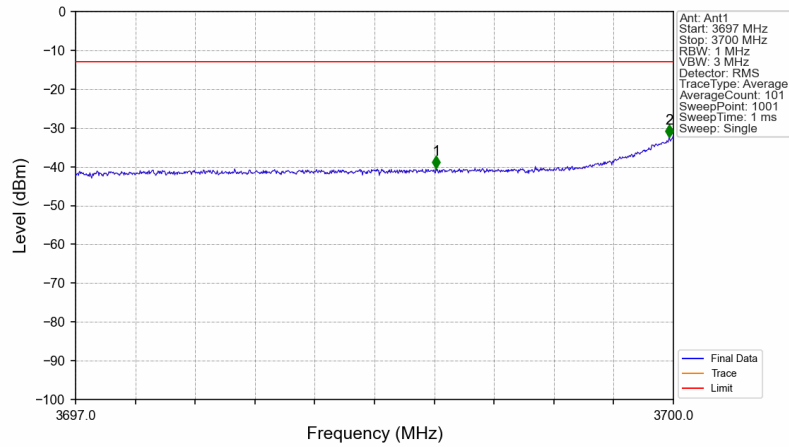
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	0.051	/	1	3980.129	-33.76	-13	Pass
3981	3983	1	CHP	2	3981.500	-24.84	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



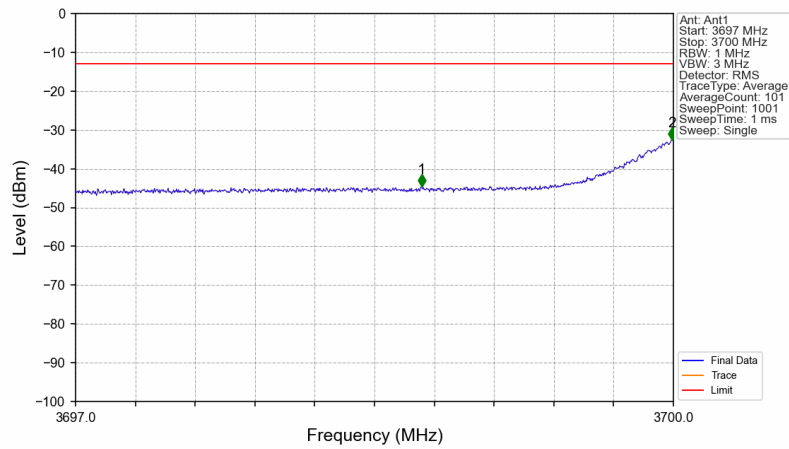
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	0.051	/	1	3980.237	-33.25	-13	Pass
3981	3983	1	CHP	2	3981.500	-24.70	-13	Pass

Bandn77a_3750MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



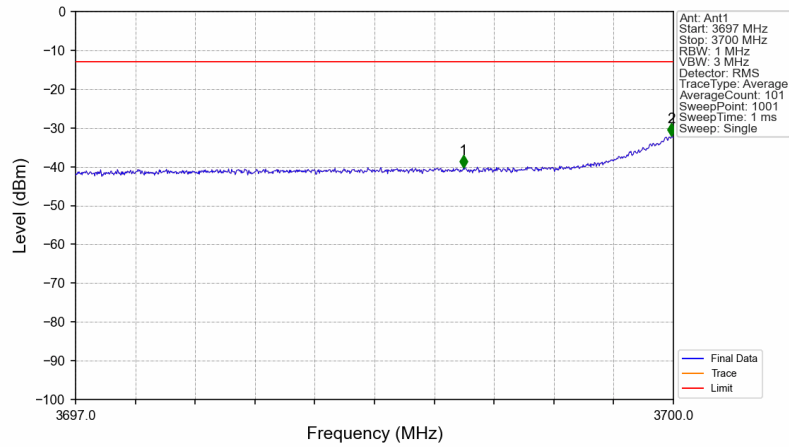
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	/	1	3698.809	-40.41	-13	Pass
3699	3700	1.006	/	2	3699.979	-32.31	-13	Pass

Bandn77a_3750MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+



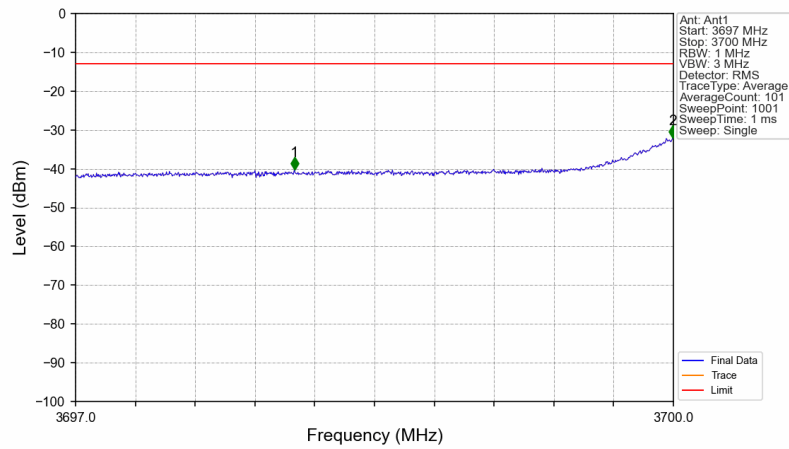
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	/	1	3698.737	-44.56	-13	Pass
3699	3700	1.006	/	2	3699.994	-32.51	-13	Pass

Bandn77a_3750MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



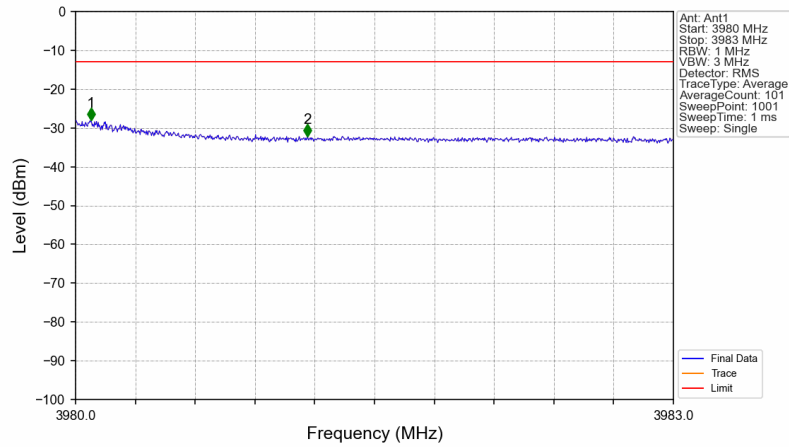
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	/	1	3698.947	-40.21	-13	Pass
3699	3700	1.006	/	2	3699.991	-32.07	-13	Pass

Bandn77a_3750MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+



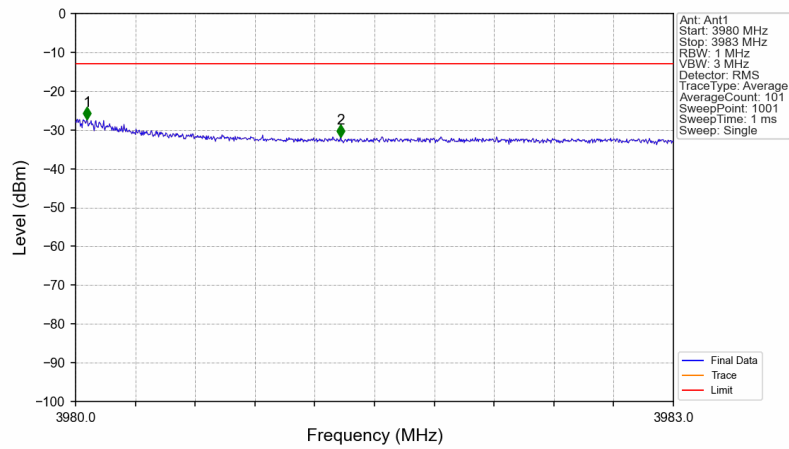
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3697	3699	1	/	1	3698.098	-40.15	-13	Pass
3699	3700	1.006	/	2	3699.997	-31.97	-13	Pass

Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



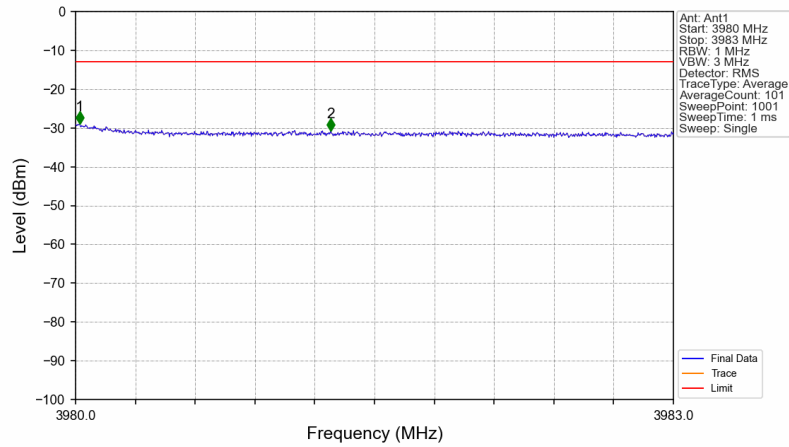
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	1.006	/	1	3980.078	-28.00	-13	Pass
3981	3983	1	/	2	3981.164	-32.11	-13	Pass

Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



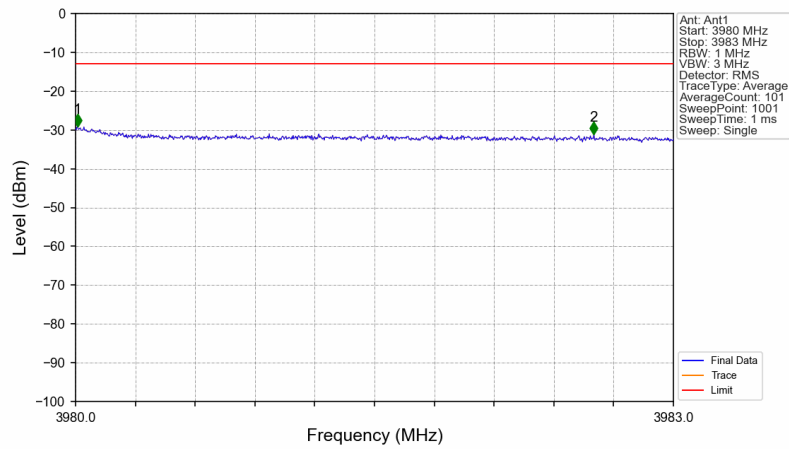
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3980	3981	1.006	/	1	3980.057	-27.19	-13	Pass
3981	3983	1	/	2	3981.329	-31.77	-13	Pass

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	1.006	/	1	3980.021	-28.90	-13	Pass
3981	3983	1	/	2	3981.281	-30.67	-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	1.006	/	1	3980.009	-29.14	-13	Pass
3981	3983	1	/	2	3982.601	-31.02	-13	Pass

6. Spurious emissions

6.1 Test Result

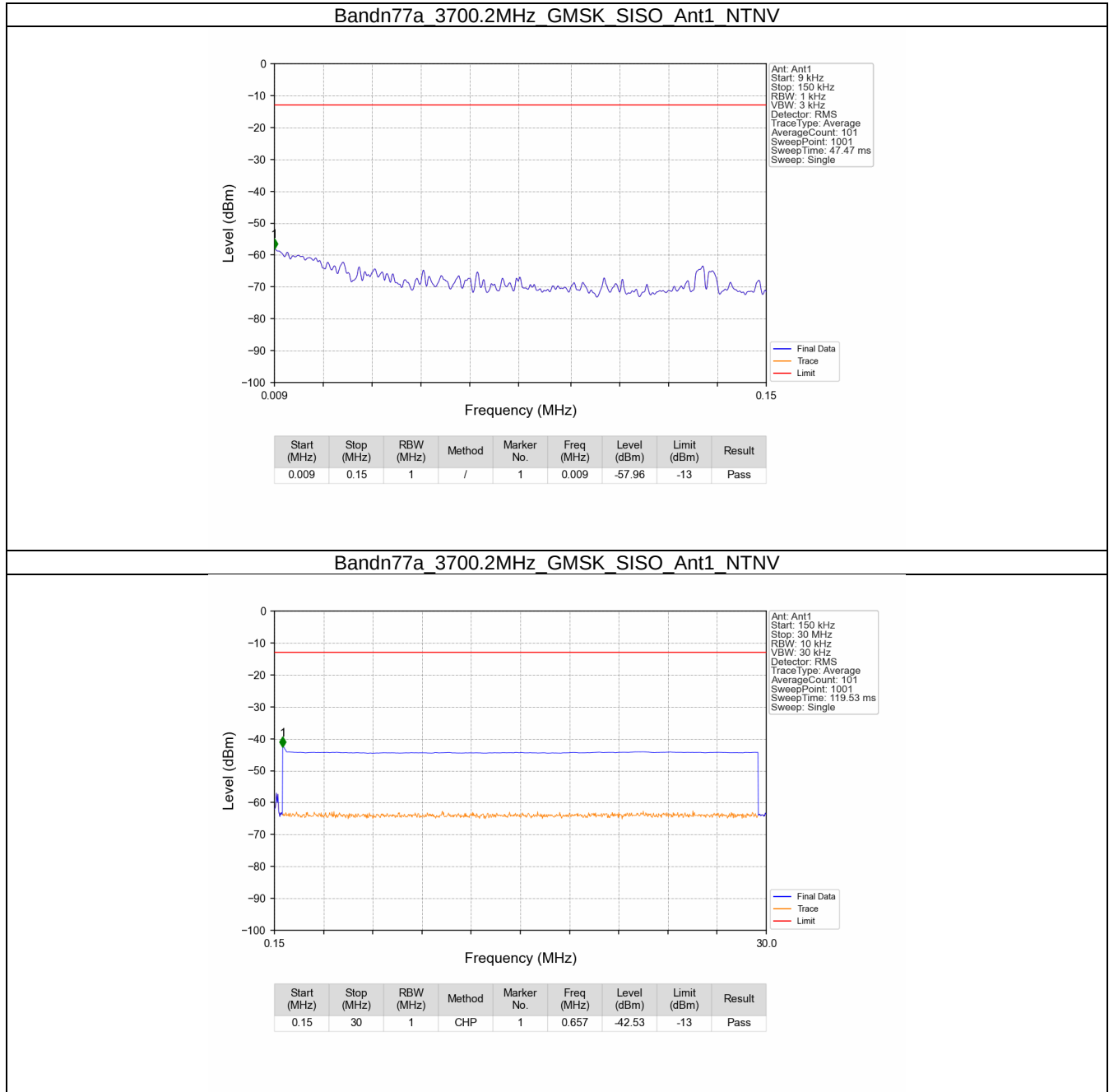
6.1.1 Bandn77a

Band: n77a / NTVN								
Signal			Channel	TX Type	ANT	SE (dBm)		Verdict
Type	Level (dBm)	Frequency (MHz)				Result	Limit	
GMSK 0.2MHz	0	3700.2	LCH	SISO	1	Refer To Test Graph		Pass
		3840	MCH	SISO	1	Refer To Test Graph		Pass
		3979.8	HCH	SISO	1	Refer To Test Graph		Pass
AWGN 5MHz	0	3702.5	LCH	SISO	1	Refer To Test Graph		Pass
		3840	MCH	SISO	1	Refer To Test Graph		Pass
		3977.5	HCH	SISO	1	Refer To Test Graph		Pass
AWGN 100MHz	0	3750	LCH	SISO	1	Refer To Test Graph		Pass
		3840	MCH	SISO	1	Refer To Test Graph		Pass
		3930	HCH	SISO	1	Refer To Test Graph		Pass

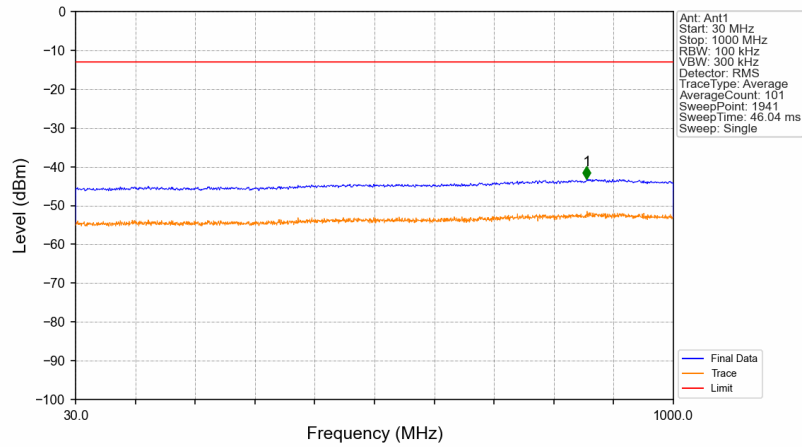
Note: According to ANSI C63.26:2015 section 5.2.5.3: For MIMO mode, the conducted band edge and conducted spurious emission are tested on a single output port and then adjusted according to $10 \cdot \lg(N_{ANT})$ rule. MIMO $2 \times 2 = SISO + 3.01\text{dB}$. (The worst mode is Ant1, all test results have a margin of at least 3.01dB from the limit values within the corresponding test range, so the test result is pass.)

6.2 Test Graph

6.2.1 Bandn77a

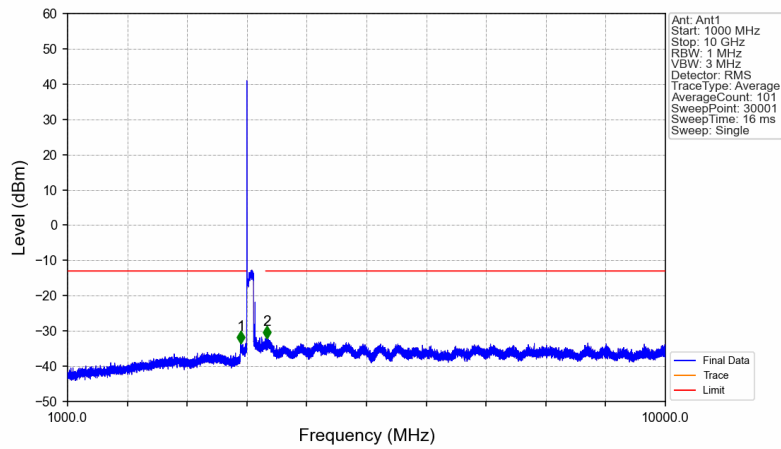


Bandn77a_3700.2MHz_GMSK_SISO_Ant1_NTNV



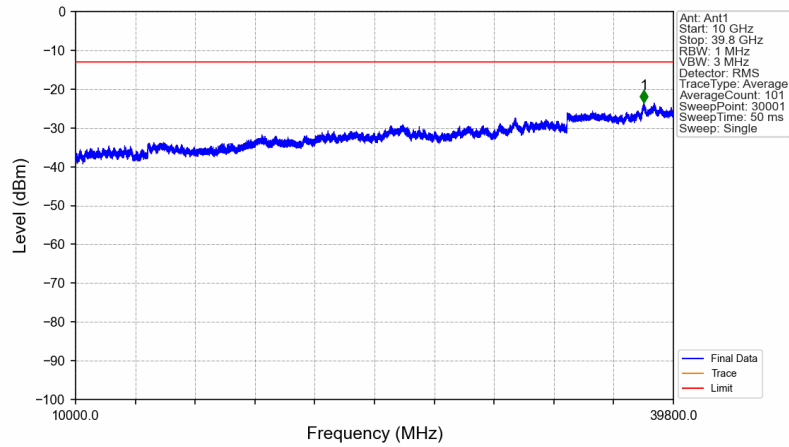
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	859.500	-43.10	-13	Pass

Bandn77a_3700.2MHz_GMSK_SISO_Ant1_NTNV



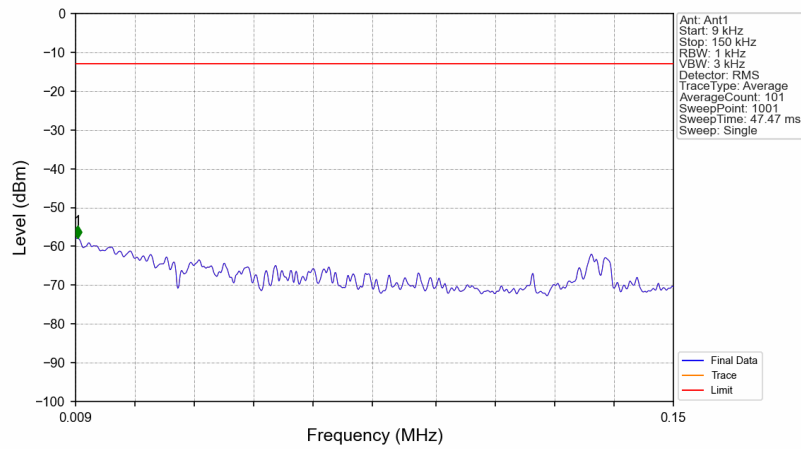
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3696	1	/	1	3611.500	-33.48	-13	Pass
3696	3986	1	/	/	/	/	/	/
3986	10000	1	/	2	4003.000	-32.07	-13	Pass

Bandn77a_3700.2MHz_GMSK_SISO_Ant1_NTNV



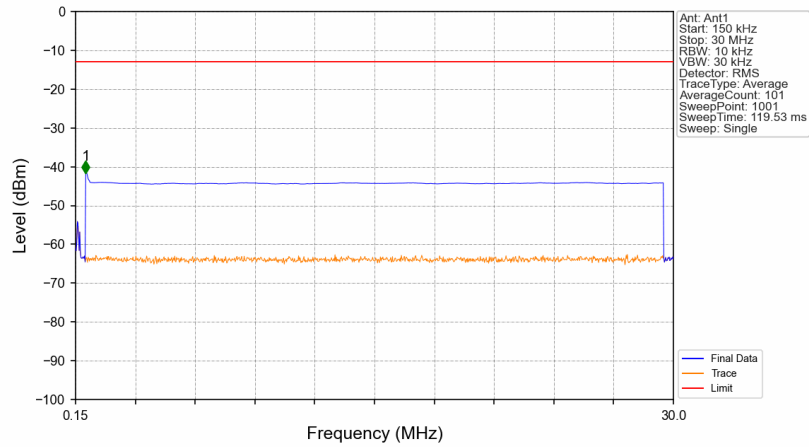
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	39800	1	/	1	38333.840	-23.39	-13	Pass

Bandn77a_3840MHz_GMSK_SISO_Ant1_NTNV



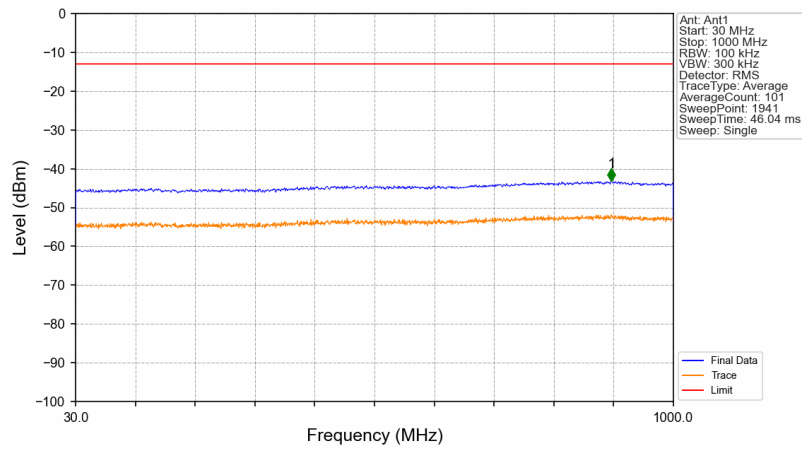
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.009	0.15	1	/	1	0.009	-57.90	-13	Pass

Bandn77a_3840MHz_GMSK_SISO_Ant1_NTNV



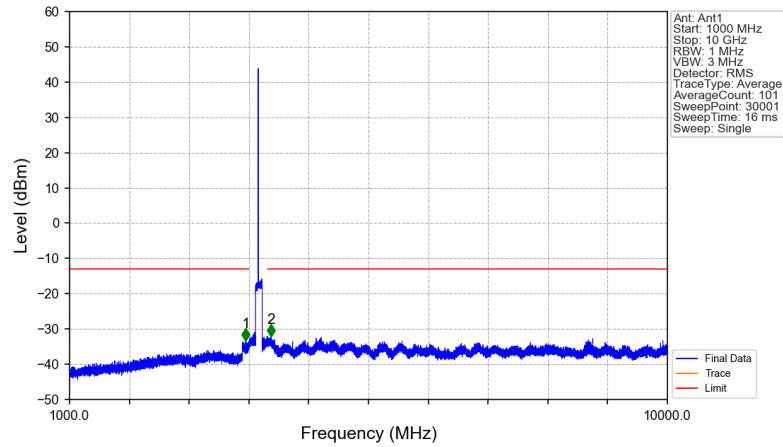
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.15	30	1	CHP	1	0.657	-41.61	-13	Pass

Bandn77a_3840MHz_GMSK_SISO_Ant1_NTNV



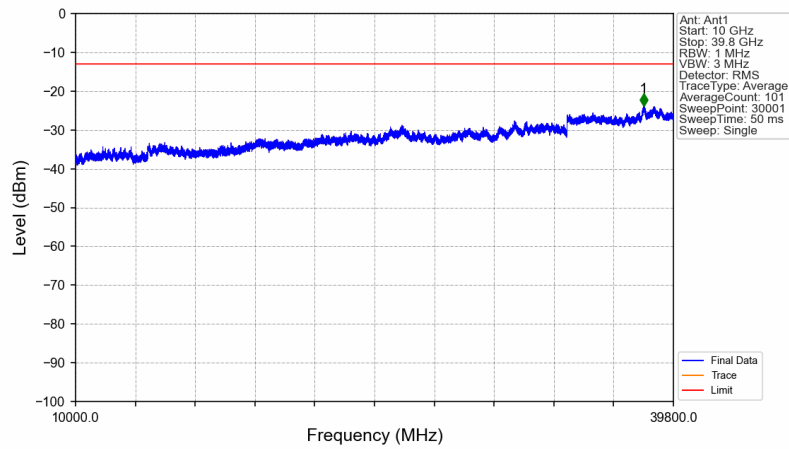
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	899.500	-43.07	-13	Pass

Bandn77a_3840MHz_GMSK_SISO_Ant1_NTNV



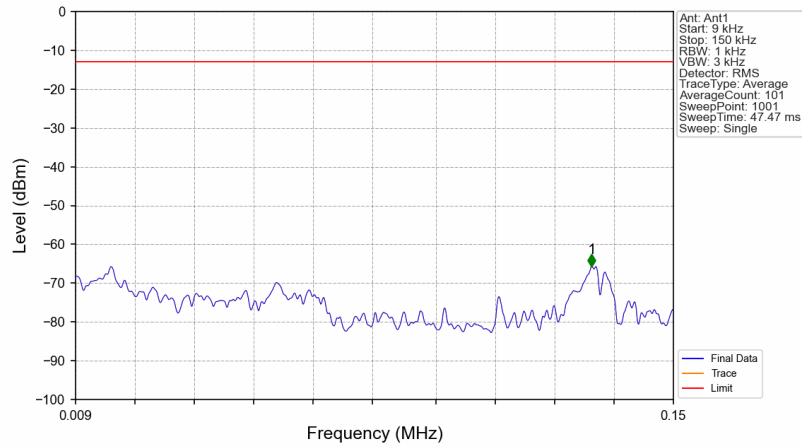
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3696	1	/	1	3650.500	-33.40	-13	Pass
3696	3986	1	/	/	/	/	/	/
3986	10000	1	/	2	4033.000	-32.20	-13	Pass

Bandn77a_3840MHz_GMSK_SISO_Ant1_NTNV

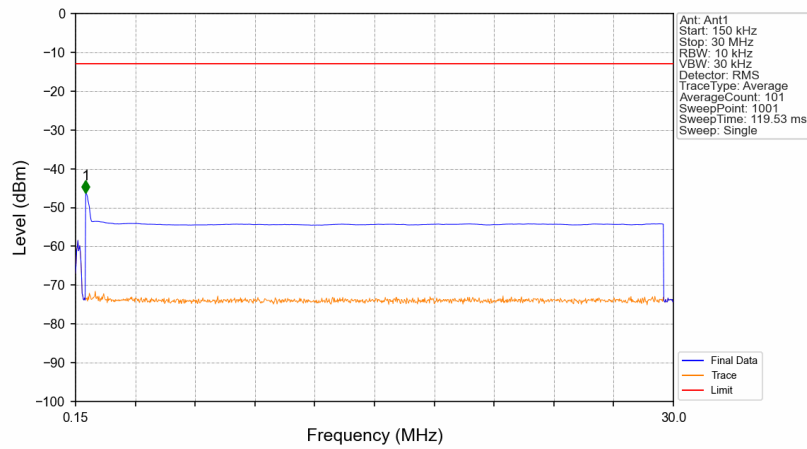


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	39800	1	/	1	38318.940	-23.83	-13	Pass

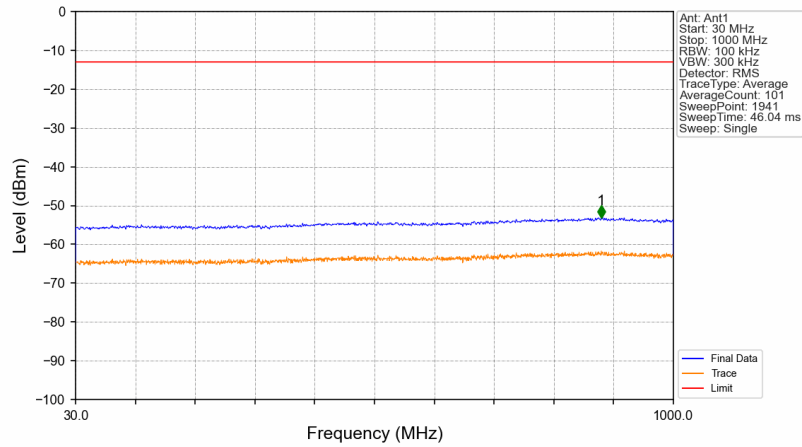
Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV



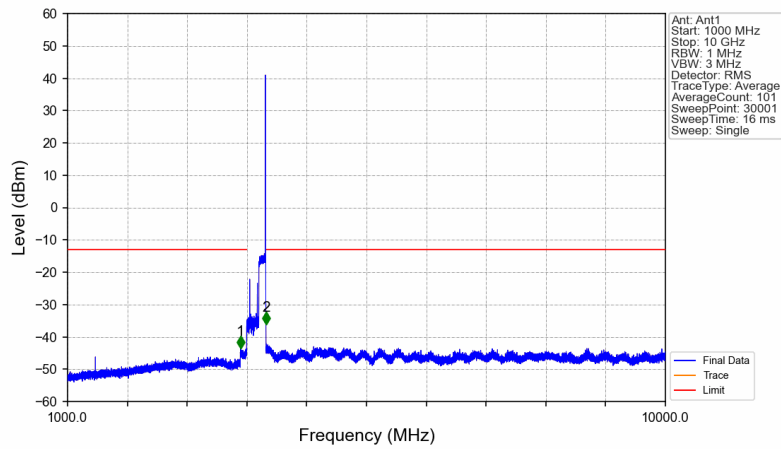
Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV



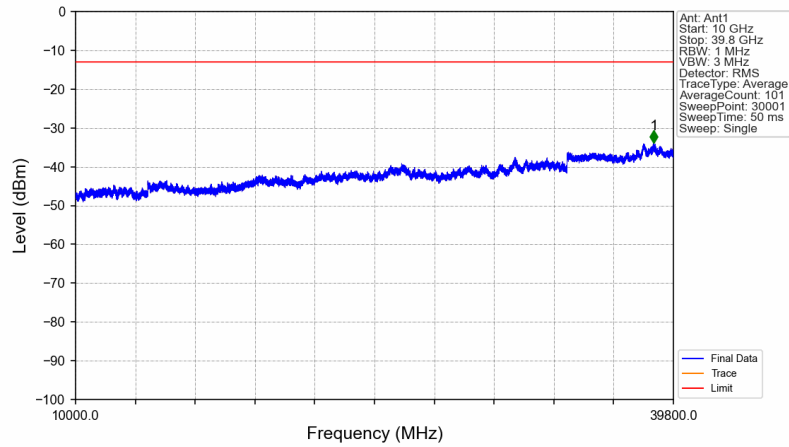
Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV



Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV

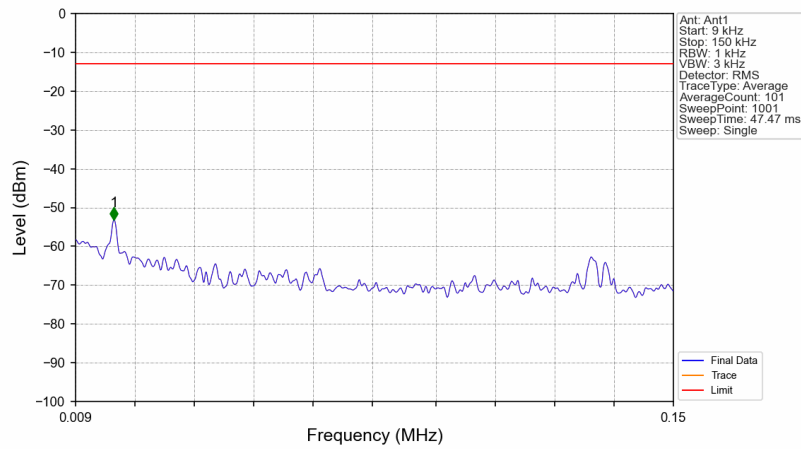


Bandn77a_3979.8MHz_GMSK_SISO_Ant1_NTNV



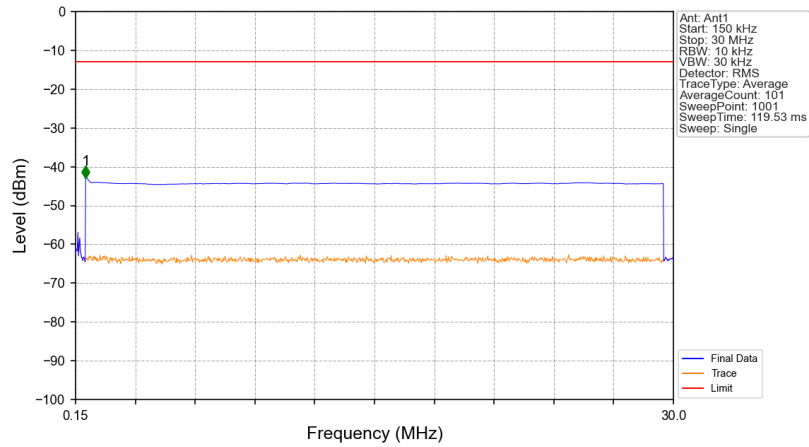
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	39800	1	/	1	3817.593	-33.88	-13	Pass

Bandn77a_3702.5MHz_AWGN_SISO_Ant1_NTNV



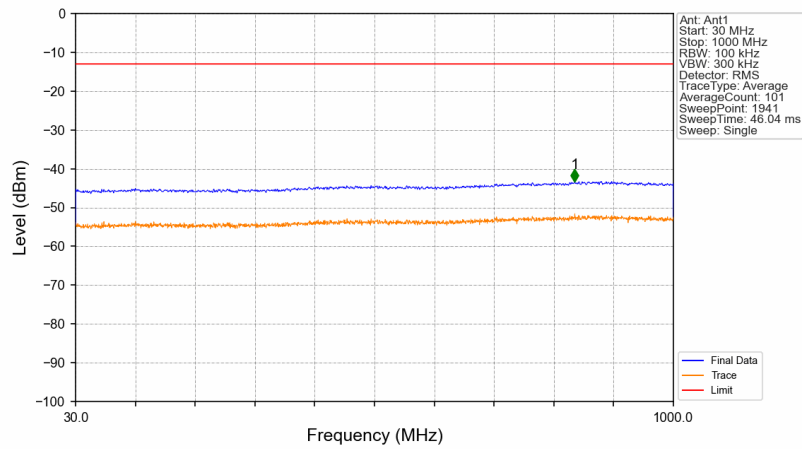
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.009	0.15	1	/	1	0.018	-53.15	-13	Pass

Bandn77a_3702.5MHz_AWGN_SISO_Ant1_NTNV



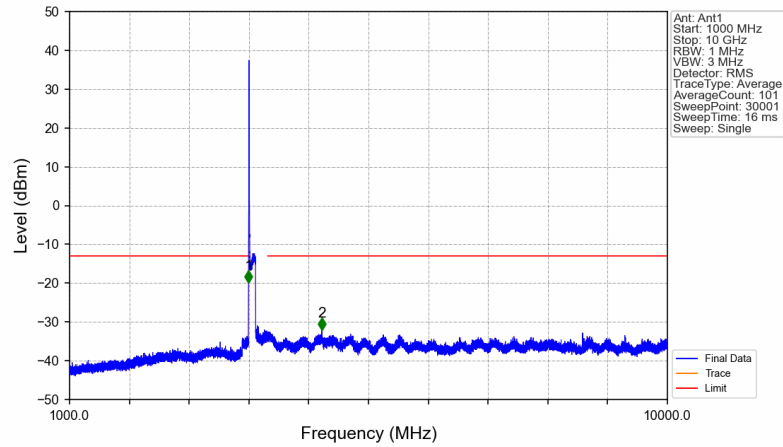
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.15	30	1	CHP	1	0.657	-42.86	-13	Pass

Bandn77a_3702.5MHz_AWGN_SISO_Ant1_NTNV



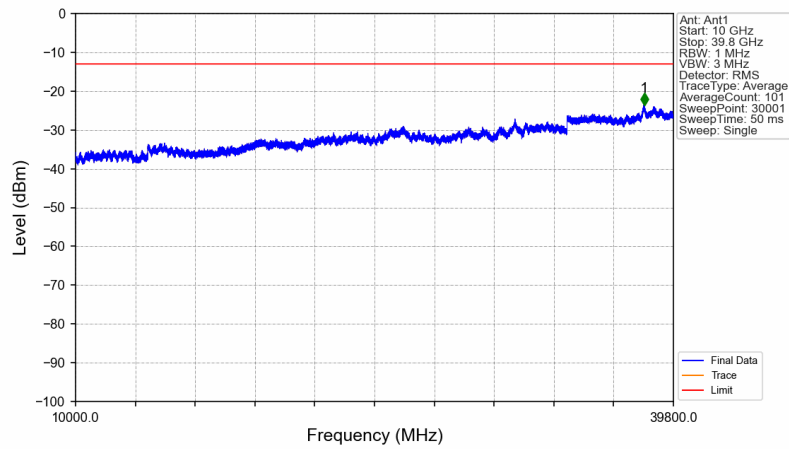
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	840.000	-43.22	-13	Pass

Bandn77a_3702.5MHz_AWGN_SISO_Ant1_NTNV



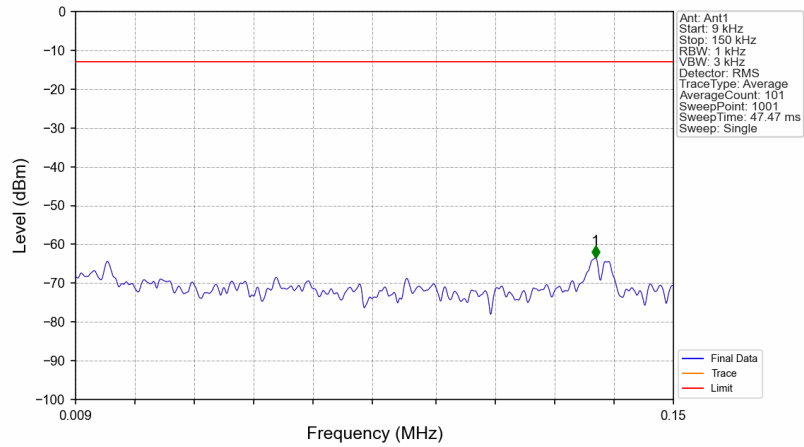
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3696	1	/	1	3693.700	-19.96	-13	Pass
3696	3986	1	/	/	/	/	/	/
3986	10000	1	/	2	4798.300	-32.18	-13	Pass

Bandn77a_3702.5MHz_AWGN_SISO_Ant1_NTNV



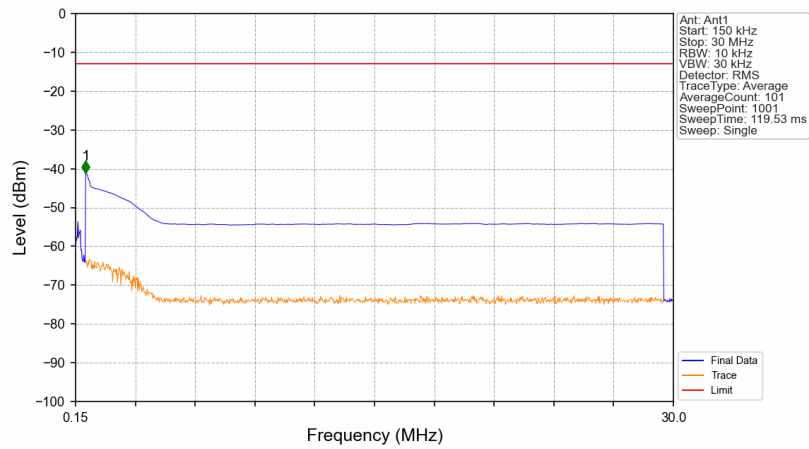
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	39800	1	/	1	38342.780	-23.61	-13	Pass

Bandn77a_3840MHz_AWGN_SISO_Ant1_NTNV



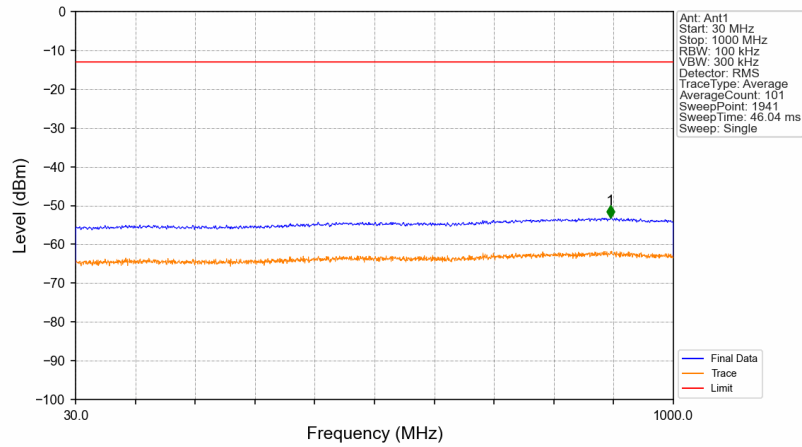
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.009	0.15	1	/	1	0.132	-63.45	-13	Pass

Bandn77a_3840MHz_AWGN_SISO_Ant1_NTNV



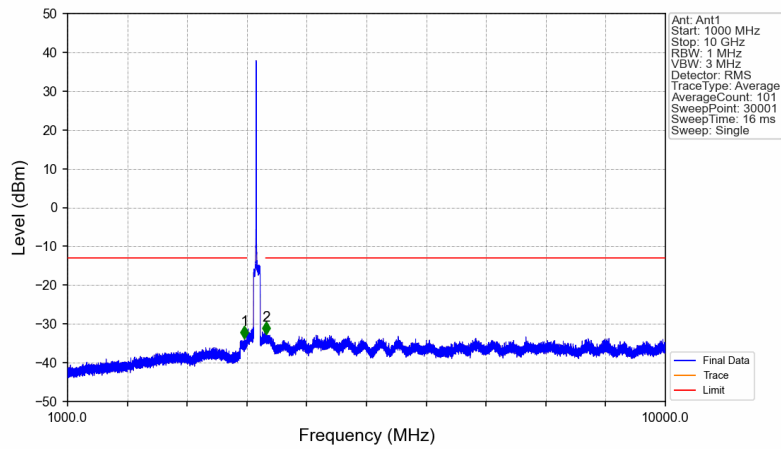
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.15	30	1	CHP	1	0.657	-41.04	-13	Pass

Bandn77a_3840MHz_AWGN_SISO_Ant1_NTNV



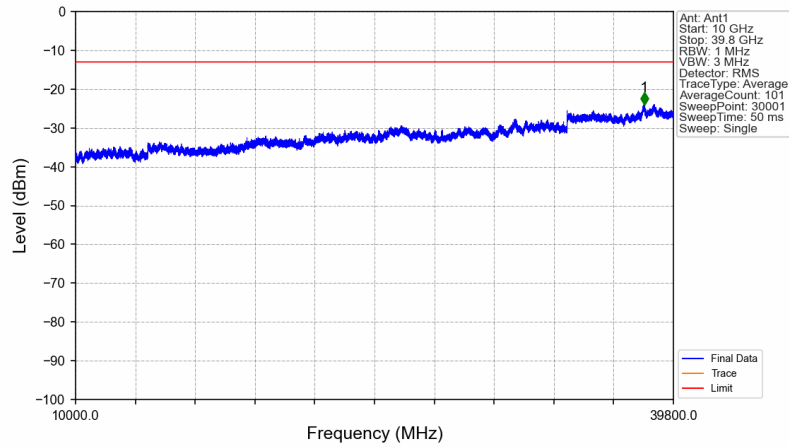
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	898.000	-53.06	-13	Pass

Bandn77a_3840MHz_AWGN_SISO_Ant1_NTNV



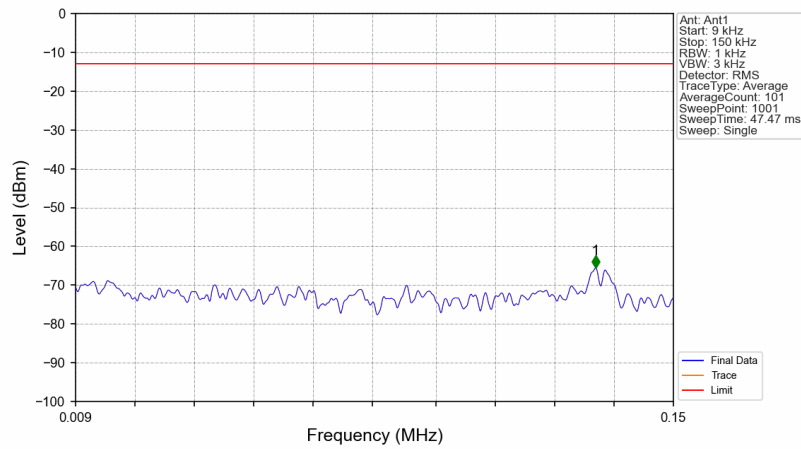
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3696	1	/	1	3664.000	-33.69	-13	Pass
3696	3986	1	/	/	/	/	/	/
3986	10000	1	/	2	3989.500	-32.68	-13	Pass

Bandn77a_3840MHz_AWGN_SISO_Ant1_NTNV



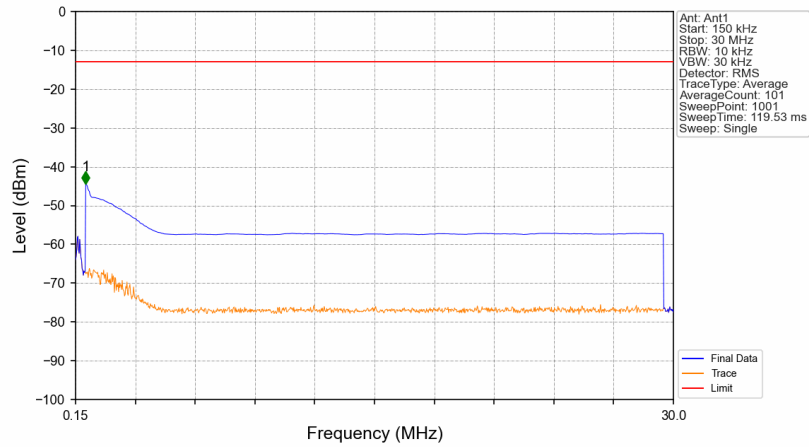
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	39800	1	/	1	38354.700	-23.92	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV



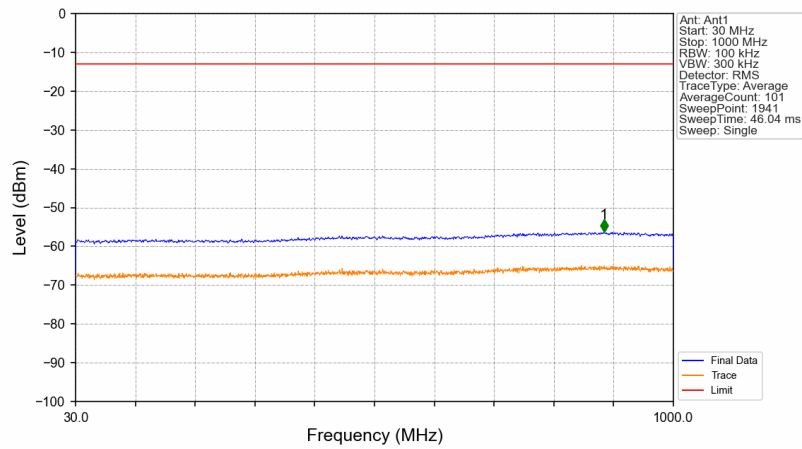
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.009	0.15	1	/	1	0.132	-65.55	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV



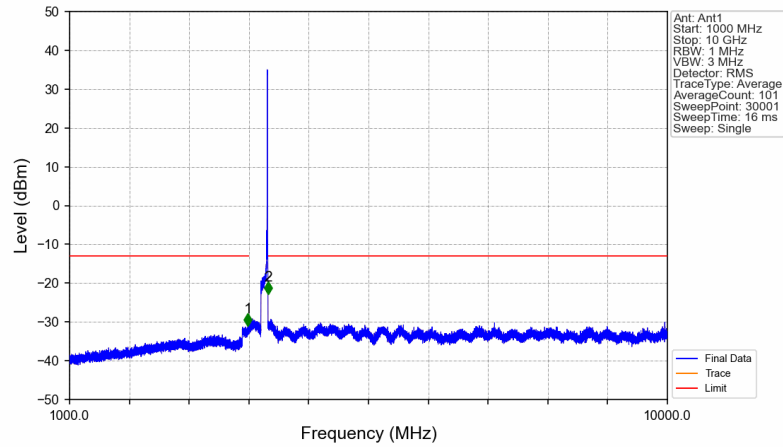
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.15	30	1	CHP	1	0.657	-44.47	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV



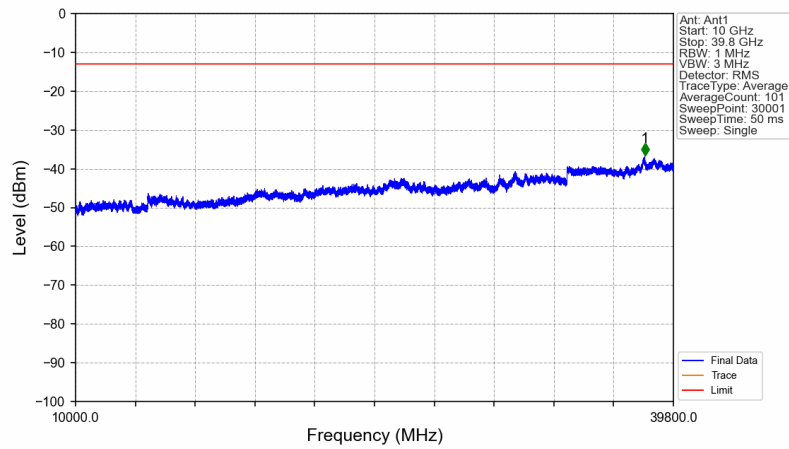
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	887.500	-56.24	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV



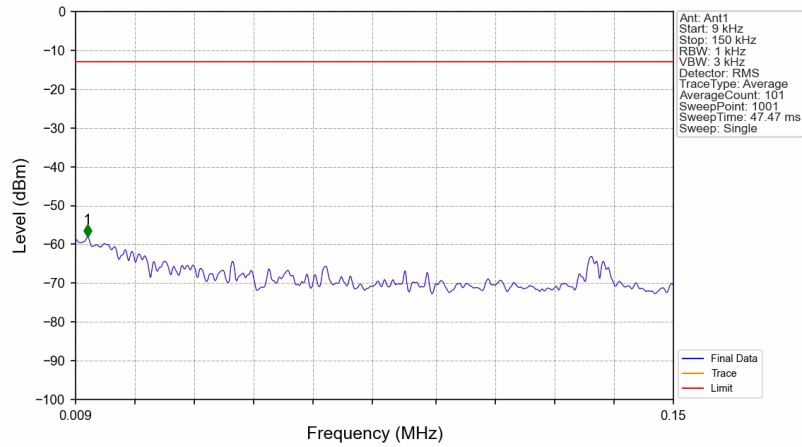
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3696	1	/	1	3685.600	-30.96	-13	Pass
3696	3986	1	/	/	/	/	/	/
3986	10000	1	/	2	3986.500	-22.84	-13	Pass

Bandn77a_3977.5MHz_AWGN_SISO_Ant1_NTNV

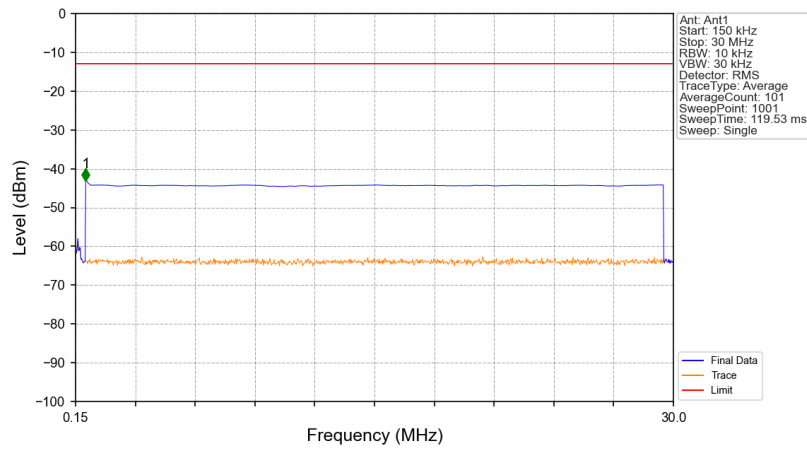


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	39800	1	/	1	38374.567	-36.55	-13	Pass

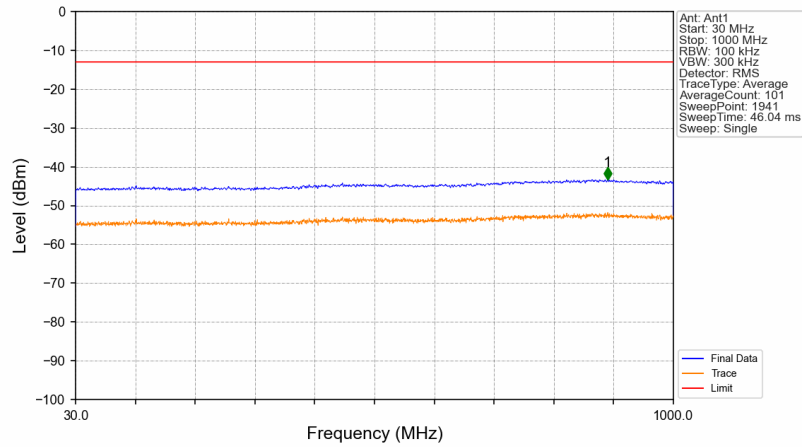
Bandn77a_3750MHz_Broad100MHz_SISO_Ant1_NTNV



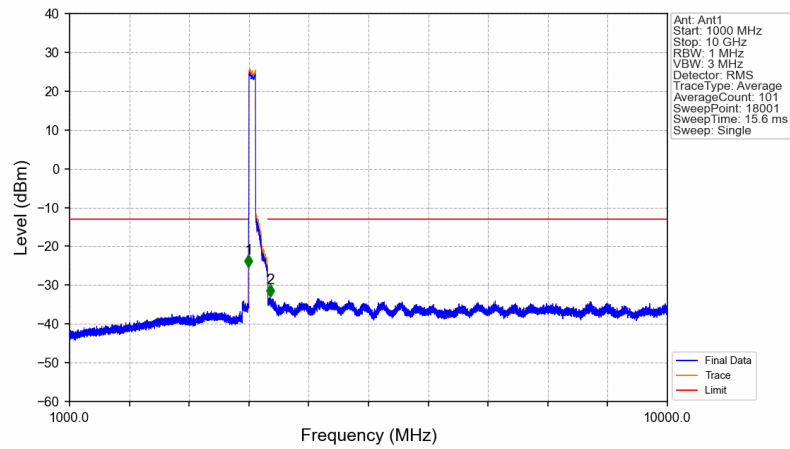
Bandn77a_3750MHz_Broad100MHz_SISO_Ant1_NTNV



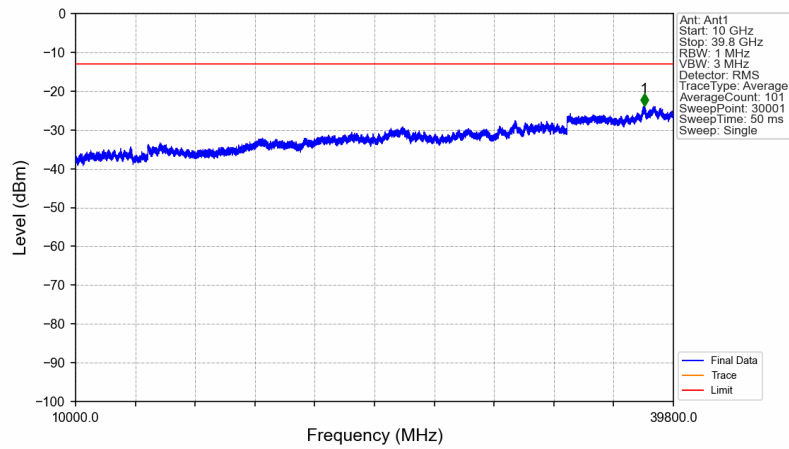
Bandn77a_3750MHz_Broad100MHz_SISO_Ant1_NTNV



Bandn77a_3750MHz_Broad100MHz_SISO_Ant1_NTNV

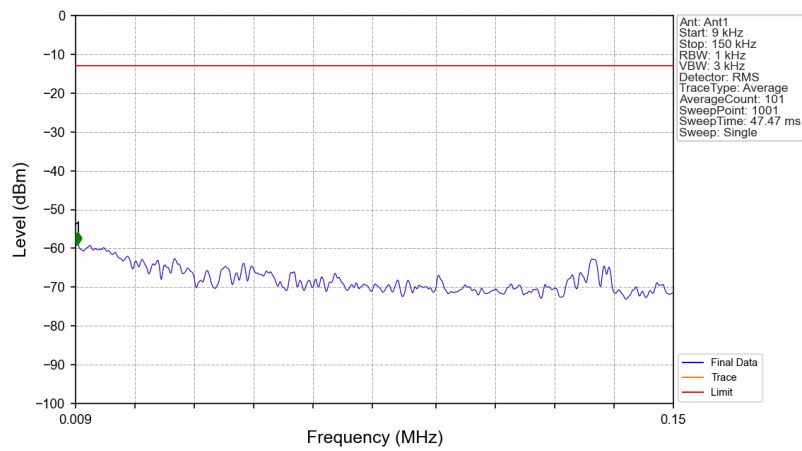


Bandn77a_3750MHz_Broad100MHz_SISO_Ant1_NTNV



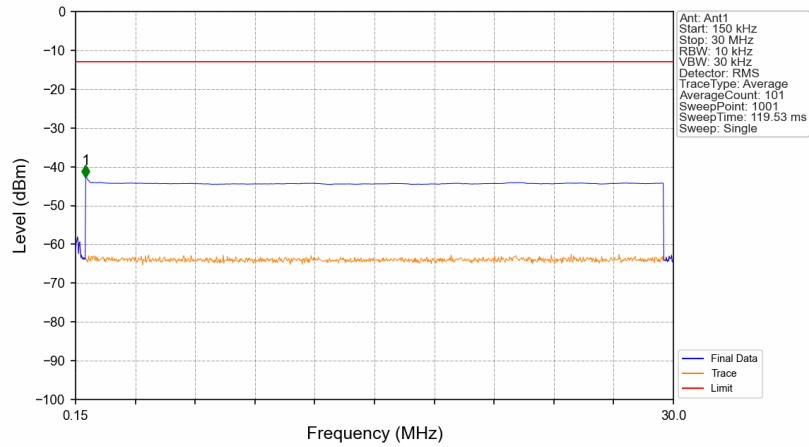
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	39800	1	/	1	38349.733	-23.73	-13	Pass

Bandn77a_3840MHz_Broad100MHz_SISO_Ant1_NTNV



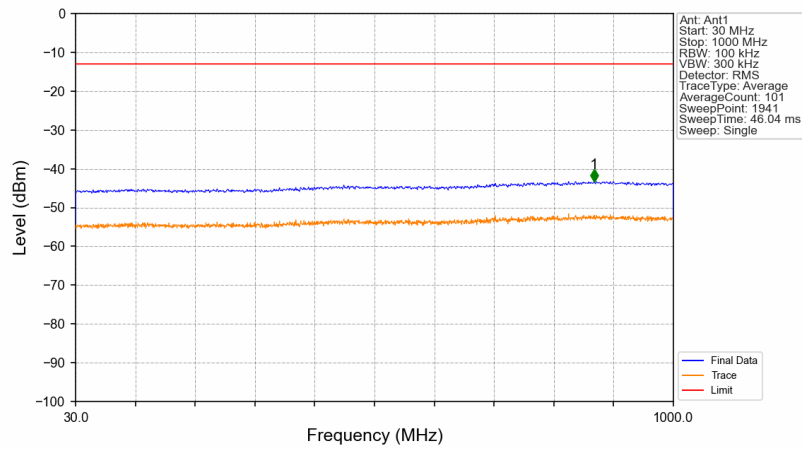
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.009	0.15	1	/	1	0.009	-59.02	-13	Pass

Bandn77a_3840MHz_Broad100MHz_SISO_Ant1_NTNV



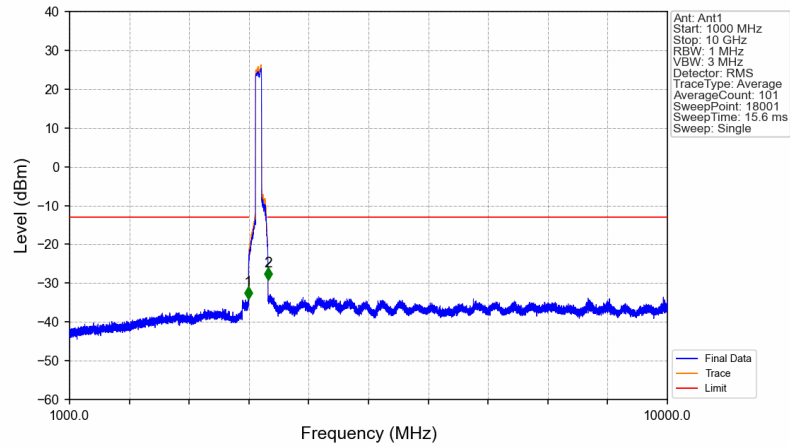
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.15	30	1	CHP	1	0.657	-42.68	-13	Pass

Bandn77a_3840MHz_Broad100MHz_SISO_Ant1_NTNV



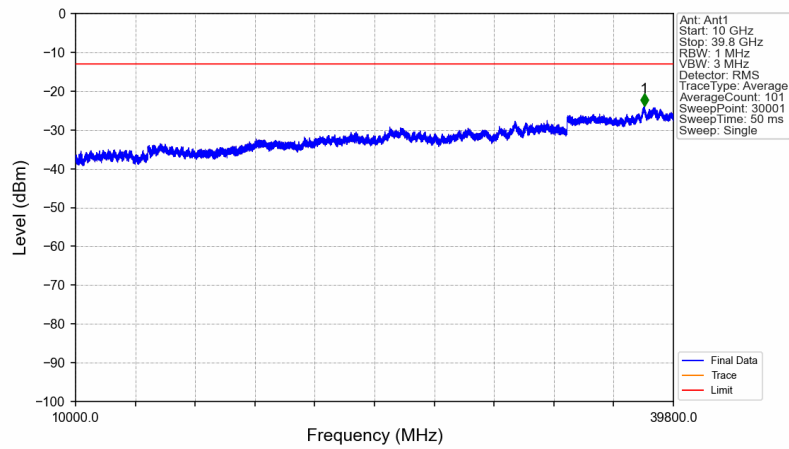
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	871.500	-43.24	-13	Pass

Bandn77a_3840MHz_Broad100MHz_SISO_Ant1_NTNV



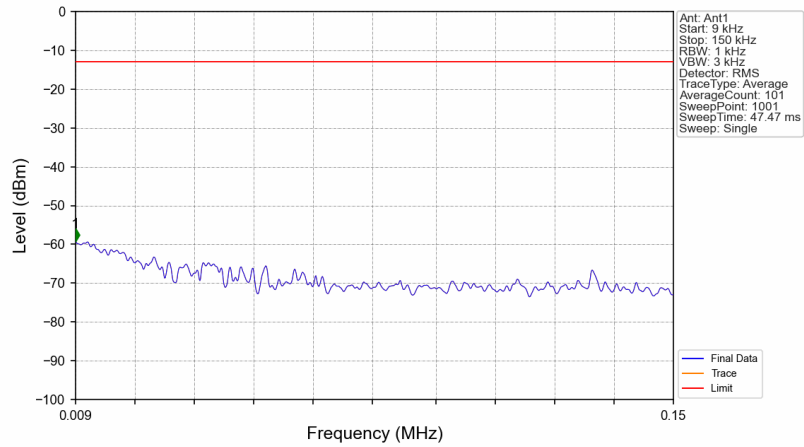
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3696	1	/	1	3692.000	-34.00	-13	Pass
3696	3986	1.007	CHP	/	/	/	/	/
3986	10000	1	/	2	3986.500	-29.16	-13	Pass

Bandn77a_3840MHz_Broad100MHz_SISO_Ant1_NTNV

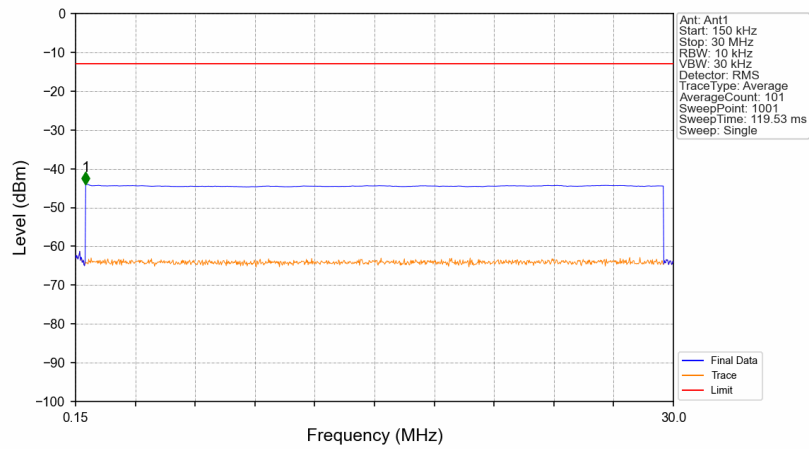


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	39800	1	/	1	38354.700	-23.85	-13	Pass

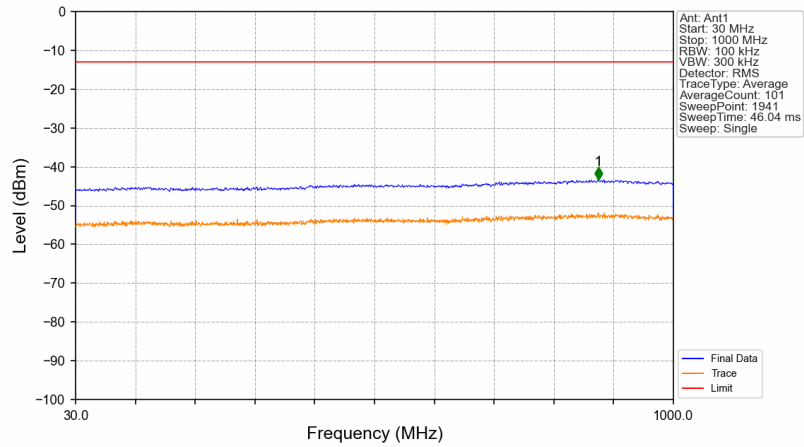
Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV



Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV

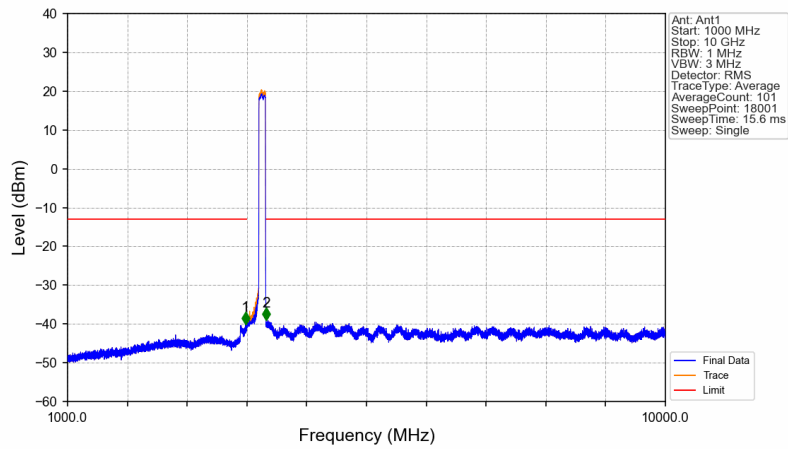


Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV



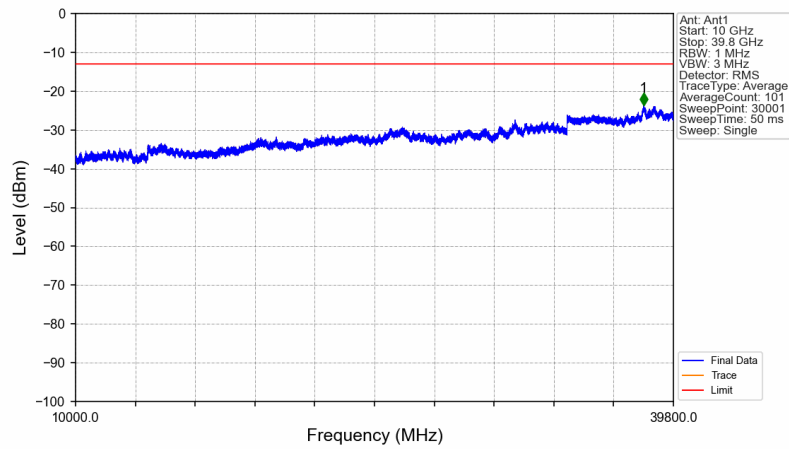
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	1000	1	CHP	1	878.000	-43.21	-13	Pass

Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	3696	1	/	1	3681.000	-40.15	-13	Pass
3696	3986	1.006	CHP	/	/	/	/	/
3986	10000	1	/	2	3986.500	-38.99	-13	Pass

Bandn77a_3930MHz_Broad100MHz_SISO_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	39800	1	/	1	38317.947	-23.68	-13	Pass

7. Frequency stability measurements

7.1 Test Result

7.1.1 Bandn77a_Ant1

Band: 77a / NTNV							
Signal			Temp (°C)	Voltage (VAC)	Result (MHz)	Limit (MHz)	Verdict
Type	Level (dBm)	Frequency (MHz)					
GMSK 0.2MHz	0	3700.2	20	102	3700.087	>3700	Pass
				120	3700.085	>3700	Pass
				138	3700.083	>3700	Pass
			-40	120	3700.089	>3700	Pass
			-30	120	3700.081	>3700	Pass
			-20	120	3700.082	>3700	Pass
			-10	120	3700.083	>3700	Pass
			0	120	3700.088	>3700	Pass
			10	120	3700.081	>3700	Pass
			30	120	3700.080	>3700	Pass
			40	120	3700.088	>3700	Pass
			50	120	3700.089	>3700	Pass
			55	120	3700.087	>3700	Pass
		3979.8	20	102	3979.932	<3980	Pass
				120	3979.933	<3980	Pass
				138	3979.936	<3980	Pass
			-40	120	3979.939	<3980	Pass
			-30	120	3979.935	<3980	Pass
			-20	120	3979.932	<3980	Pass
			-10	120	3979.934	<3980	Pass
			0	120	3979.936	<3980	Pass
			10	120	3979.933	<3980	Pass
			30	120	3979.939	<3980	Pass
			40	120	3979.938	<3980	Pass
			50	120	3979.936	<3980	Pass
			55	120	3979.935	<3980	Pass
AWGN 5MHz	0	3702.5	20	102	3700.245	>3700	Pass
				120	3700.232	>3700	Pass
				138	3700.265	>3700	Pass
			-40	120	3700.224	>3700	Pass
			-30	120	3700.256	>3700	Pass
			-20	120	3700.235	>3700	Pass
			-10	120	3700.221	>3700	Pass
			0	120	3700.243	>3700	Pass
			10	120	3700.227	>3700	Pass
			30	120	3700.265	>3700	Pass
			40	120	3700.237	>3700	Pass
			50	120	3700.249	>3700	Pass
			55	120	3700.230	>3700	Pass
		3977.5	20	102	3979.725	<3980	Pass
				120	3979.738	<3980	Pass
				138	3979.741	<3980	Pass
			-40	120	3979.728	<3980	Pass
			-30	120	3979.717	<3980	Pass
			-20	120	3979.736	<3980	Pass

AWGN 100MHz	0		-10	120	3979.747	<3980	Pass
			0	120	3979.751	<3980	Pass
			10	120	3979.748	<3980	Pass
			30	120	3979.729	<3980	Pass
			40	120	3979.733	<3980	Pass
			50	120	3979.745	<3980	Pass
			55	120	3979.744	<3980	Pass
		3750	20	102	3701.358	>3700	Pass
				120	3701.376	>3700	Pass
				138	3701.381	>3700	Pass
			-40	120	3701.368	>3700	Pass
			-30	120	3701.347	>3700	Pass
			-20	120	3701.339	>3700	Pass
			-10	120	3701.349	>3700	Pass
			0	120	3701.366	>3700	Pass
			10	120	3701.340	>3700	Pass
			30	120	3701.353	>3700	Pass
			40	120	3701.361	>3700	Pass
			50	120	3701.359	>3700	Pass
			55	120	3701.369	>3700	Pass
		3930	20	102	3978.782	<3980	Pass
				120	3978.748	<3980	Pass
				138	3978.792	<3980	Pass
			-40	120	3978.775	<3980	Pass
			-30	120	3978.765	<3980	Pass
			-20	120	3978.767	<3980	Pass
			-10	120	3978.739	<3980	Pass
			0	120	3978.749	<3980	Pass
			10	120	3978.738	<3980	Pass
			30	120	3978.757	<3980	Pass
			40	120	3978.768	<3980	Pass
			50	120	3978.774	<3980	Pass
			55	120	3978.763	<3980	Pass

8. Radiated Spurious Emissions

8.1 Band77a_Ant1

8.1.1 Test Result

GMSK 3700.02MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
105.844	Horizontal	-67.80	-13	-54.80	Pass
380.452	Horizontal	-63.87	-13	-50.87	Pass
792.585	Horizontal	-67.68	-13	-54.68	Pass
2124.600	Horizontal	-65.21	-13	-52.21	Pass
3659.600	Horizontal	-59.75	-13	-46.75	Pass
6992.990	Horizontal	-66.82	-13	-53.82	Pass
96.394	Vertical	-66.39	-13	-53.39	Pass
385.182	Vertical	-71.26	-13	-58.26	Pass
809.835	Vertical	-66.17	-13	-53.17	Pass
1991.600	Vertical	-64.92	-13	-51.92	Pass
3650.700	Vertical	-63.97	-13	-50.97	Pass
7070.260	Vertical	-64.72	-13	-51.72	Pass

GMSK 3840MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
106.564	Horizontal	-63.47	-13	-50.47	Pass
405.902	Horizontal	-68.58	-13	-55.58	Pass
805.295	Horizontal	-66.50	-13	-53.50	Pass
2373.500	Horizontal	-62.08	-13	-49.08	Pass
3913.300	Horizontal	-63.77	-13	-50.77	Pass
5373.810	Horizontal	-66.96	-13	-53.96	Pass
123.304	Vertical	-63.20	-13	-50.20	Pass
400.312	Vertical	-64.36	-13	-51.36	Pass
775.735	Vertical	-64.06	-13	-51.06	Pass
1817.100	Vertical	-66.72	-13	-53.72	Pass
3930.800	Vertical	-62.25	-13	-49.25	Pass
6339.400	Vertical	-69.05	-13	-56.05	Pass

GMSK 3979.8MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
96.364	Horizontal	-68.90	-13	-55.90	Pass
389.942	Horizontal	-64.61	-13	-51.61	Pass
808.905	Horizontal	-68.95	-13	-55.95	Pass
2487.000	Horizontal	-62.33	-13	-49.33	Pass
4225.600	Horizontal	-59.22	-13	-46.22	Pass
6557.110	Horizontal	-68.24	-13	-55.24	Pass
94.104	Vertical	-62.66	-13	-49.66	Pass
382.832	Vertical	-70.95	-13	-57.95	Pass
788.185	Vertical	-63.58	-13	-50.58	Pass
2539.900	Vertical	-66.73	-13	-53.73	Pass
4149.100	Vertical	-64.09	-13	-51.09	Pass
6729.140	Vertical	-65.71	-13	-52.71	Pass

AWGN 3702.5MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
122.284	Horizontal	-64.39	-13	-51.39	Pass
369.792	Horizontal	-64.16	-13	-51.16	Pass
778.265	Horizontal	-70.69	-13	-57.69	Pass
2266.700	Horizontal	-63.28	-13	-50.28	Pass
3928.100	Horizontal	-63.38	-13	-50.38	Pass
5192.890	Horizontal	-65.33	-13	-52.33	Pass
107.544	Vertical	-67.53	-13	-54.53	Pass
371.182	Vertical	-63.83	-13	-50.83	Pass
816.735	Vertical	-63.88	-13	-50.88	Pass
2413.700	Vertical	-63.70	-13	-50.70	Pass
3551.300	Vertical	-61.88	-13	-48.88	Pass
6055.010	Vertical	-62.14	-13	-49.14	Pass

AWGN 3840MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
82.714	Horizontal	-66.18	-13	-53.18	Pass
367.312	Horizontal	-69.14	-13	-56.14	Pass
804.675	Horizontal	-69.85	-13	-56.85	Pass
2492.000	Horizontal	-64.56	-13	-51.56	Pass
3751.900	Horizontal	-63.23	-13	-50.23	Pass
7022.970	Horizontal	-67.24	-13	-54.24	Pass
91.874	Vertical	-64.48	-13	-51.48	Pass
408.042	Vertical	-65.18	-13	-52.18	Pass
789.765	Vertical	-67.42	-13	-54.42	Pass
2348.000	Vertical	-67.42	-13	-54.42	Pass
3814.600	Vertical	-65.05	-13	-52.05	Pass
5368.990	Vertical	-68.51	-13	-55.51	Pass

AWGN 3977.5MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
109.034	Horizontal	-65.45	-13	-52.45	Pass
398.152	Horizontal	-63.96	-13	-50.96	Pass
806.525	Horizontal	-69.41	-13	-56.41	Pass
2422.800	Horizontal	-61.99	-13	-48.99	Pass
3777.400	Horizontal	-60.44	-13	-47.44	Pass
6495.640	Horizontal	-64.07	-13	-51.07	Pass
81.934	Vertical	-62.91	-13	-49.91	Pass
396.722	Vertical	-63.75	-13	-50.75	Pass
792.575	Vertical	-65.42	-13	-52.42	Pass
2289.700	Vertical	-62.87	-13	-49.87	Pass
4083.100	Vertical	-62.56	-13	-49.56	Pass
5616.740	Vertical	-66.46	-13	-53.46	Pass

AWGN 100M 3750MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
111.594	Horizontal	-62.51	-13	-49.51	Pass
373.562	Horizontal	-65.89	-13	-52.89	Pass
795.025	Horizontal	-68.37	-13	-55.37	Pass
1930.400	Horizontal	-66.85	-13	-53.85	Pass
4304.800	Horizontal	-62.83	-13	-49.83	Pass
6883.410	Horizontal	-66.17	-13	-53.17	Pass
83.824	Vertical	-69.32	-13	-56.32	Pass
399.122	Vertical	-71.58	-13	-58.58	Pass
789.195	Vertical	-64.01	-13	-51.01	Pass
1899.200	Vertical	-65.21	-13	-52.21	Pass
4207.000	Vertical	-61.24	-13	-48.24	Pass
6557.060	Vertical	-63.92	-13	-50.92	Pass

AWGN 100M 3840MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
80.184	Horizontal	-62.75	-13	-49.75	Pass
375.722	Horizontal	-69.80	-13	-56.80	Pass
822.955	Horizontal	-65.93	-13	-52.93	Pass
1999.400	Horizontal	-60.39	-13	-47.39	Pass
4164.800	Horizontal	-65.40	-13	-52.40	Pass
5078.780	Horizontal	-66.45	-13	-53.45	Pass
124.874	Vertical	-61.93	-13	-48.93	Pass
386.432	Vertical	-69.64	-13	-56.64	Pass
782.315	Vertical	-63.48	-13	-50.48	Pass
2281.600	Vertical	-61.16	-13	-48.16	Pass
4077.200	Vertical	-66.44	-13	-53.44	Pass
4969.970	Vertical	-67.67	-13	-54.67	Pass

AWGN 100M 3930MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
118.924	Horizontal	-65.22	-13	-52.22	Pass
376.122	Horizontal	-69.20	-13	-56.20	Pass
813.515	Horizontal	-69.53	-13	-56.53	Pass
1763.800	Horizontal	-67.68	-13	-54.68	Pass
4017.600	Horizontal	-64.77	-13	-51.77	Pass
6759.280	Horizontal	-66.37	-13	-53.37	Pass
97.944	Vertical	-65.67	-13	-52.67	Pass
391.152	Vertical	-71.57	-13	-58.57	Pass
790.205	Vertical	-64.24	-13	-51.24	Pass
1936.300	Vertical	-63.65	-13	-50.65	Pass
4036.800	Vertical	-58.95	-13	-45.95	Pass
6842.980	Vertical	-63.83	-13	-50.83	Pass