

1. Out of band rejection

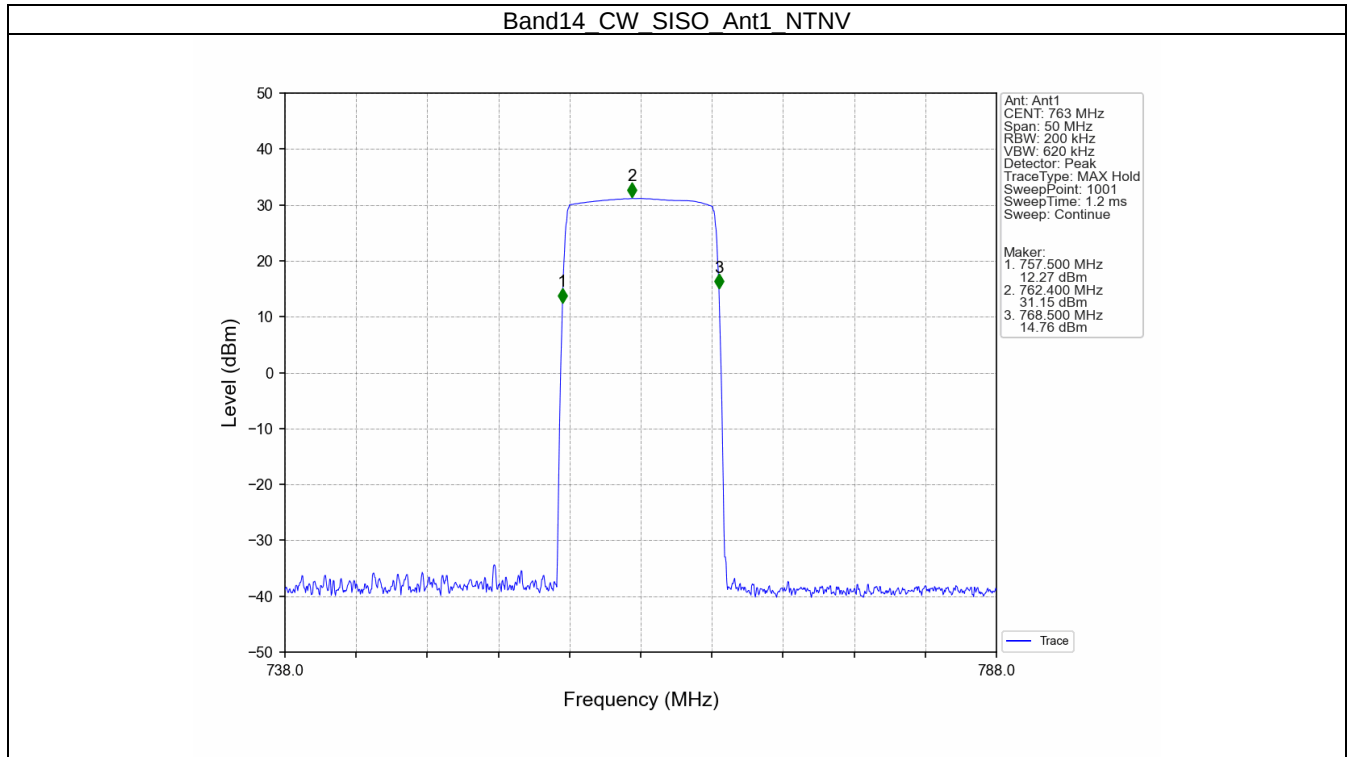
1.1 Test Result

1.1.1 Band14

Band: 14 / NTNV							
Signal	Sweep Frequency Range (MHz)	TX Type	ANT	F0 (MHz)	FL (MHz)	FH (MHz)	Verdict
CW	738 - 788	SISO	1	762.400	757.500	768.500	Pass

1.2 Test Graph

1.2.1 Band14



2. AGC threshold

2.1 Test Result

2.1.1 Band14

Band: 14 / NTNV					
Signal	Frequency (MHz)	TX Type	ANT	AGC Threshold (dBm)	Verdict
GMSK 0.2MHz	762.4	SISO	1	-0.30	Pass
AWGN 5MHz	762.4	SISO	1	-0.30	Pass
AWGN 100MHz	762.4	SISO	1	-0.30	Pass

3. Input-versus-output signal comparison

3.1 Test Result

3.1.1 Band14_OBW

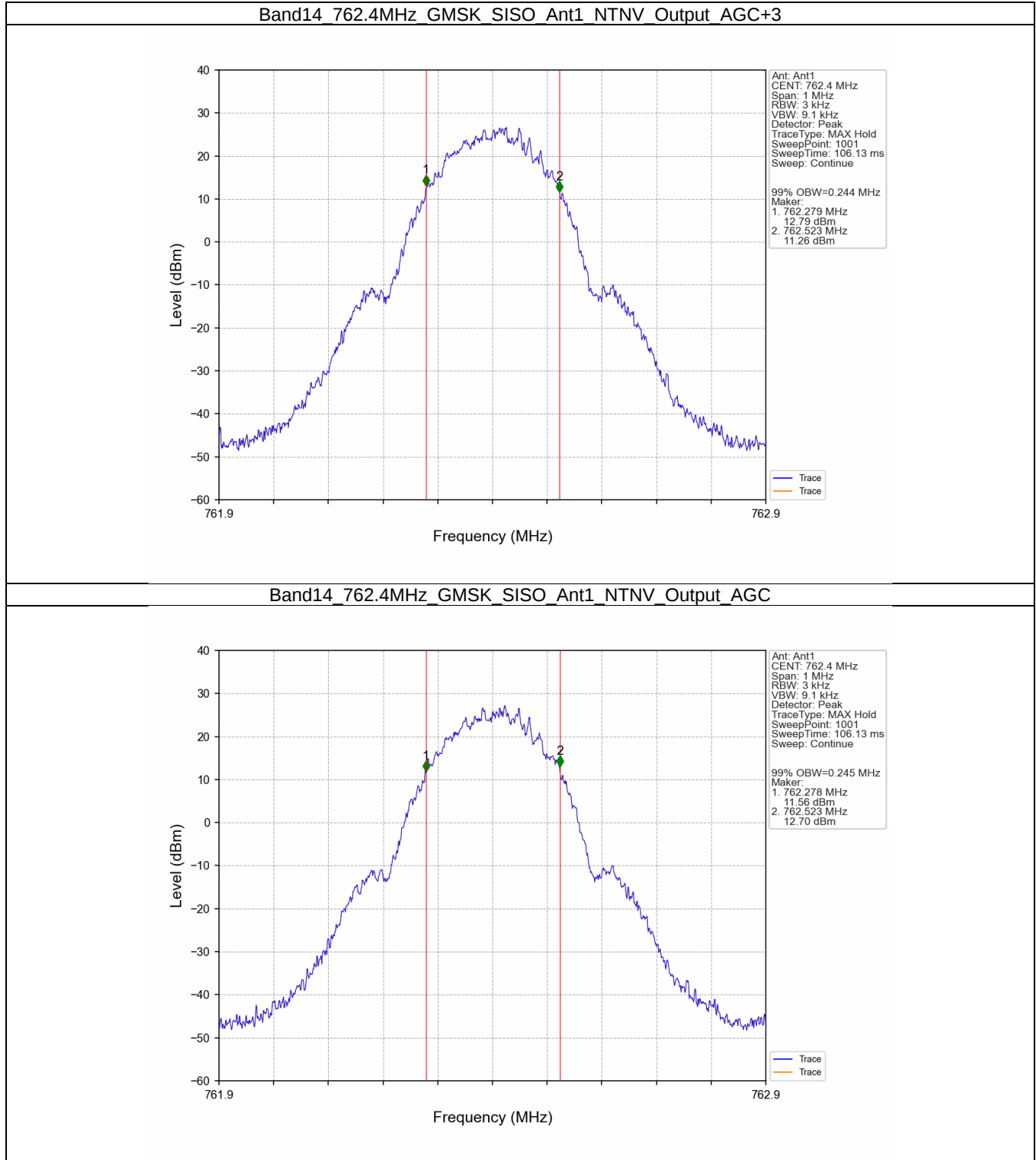
Band: 14 / NTNV							
Signal			TX Type	ANT	99% OBW (MHz)		Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	
GMSK	2.7	762.4	SISO	1	0.244	0.243	Pass
0.2MHz	-0.3	762.4	SISO	1	0.245	0.244	Pass
AWGN	2.7	762.4	SISO	1	4.533	4.555	Pass
5MHz	-0.3	762.4	SISO	1	4.533	4.543	Pass
AWGN	2.7	762.4	SISO	1	11.045	97.284	Pass
100MHz	-0.3	762.4	SISO	1	11.074	97.266	Pass

3.1.2 Band14_EBW

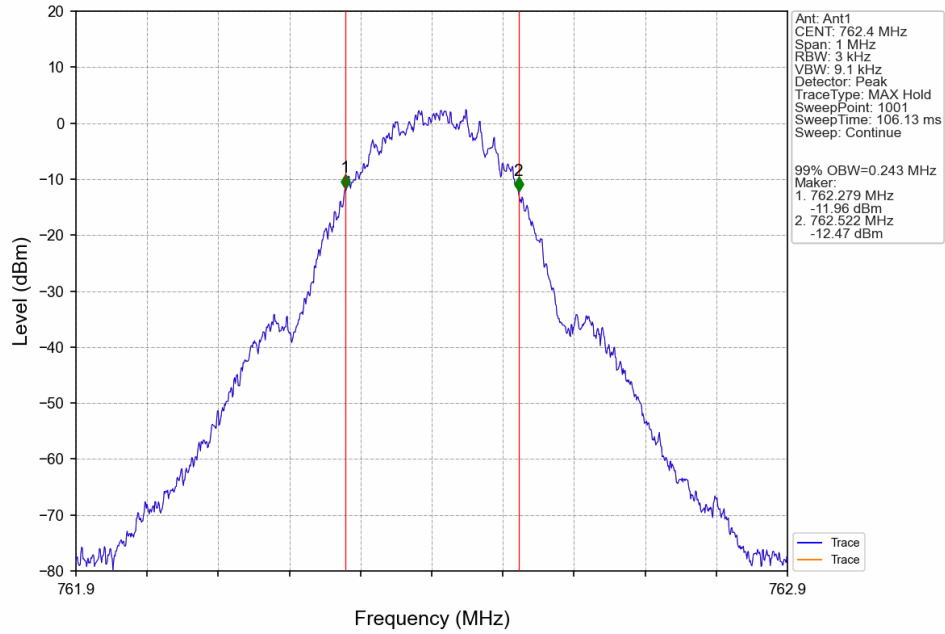
Band: 14 / NTNV							
Signal			TX Type	ANT	26dB EBW (MHz)		Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	
GMSK	2.7	762.4	SISO	1	0.315	0.314	Pass
0.2MHz	-0.3	762.4	SISO	1	0.311	0.316	Pass
AWGN	2.7	762.4	SISO	1	5.130	5.152	Pass
5MHz	-0.3	762.4	SISO	1	5.146	5.146	Pass
AWGN	2.7	762.4	SISO	1	12.749	100.761	Pass
100MHz	-0.3	762.4	SISO	1	12.768	100.730	Pass

3.2 Test Graph

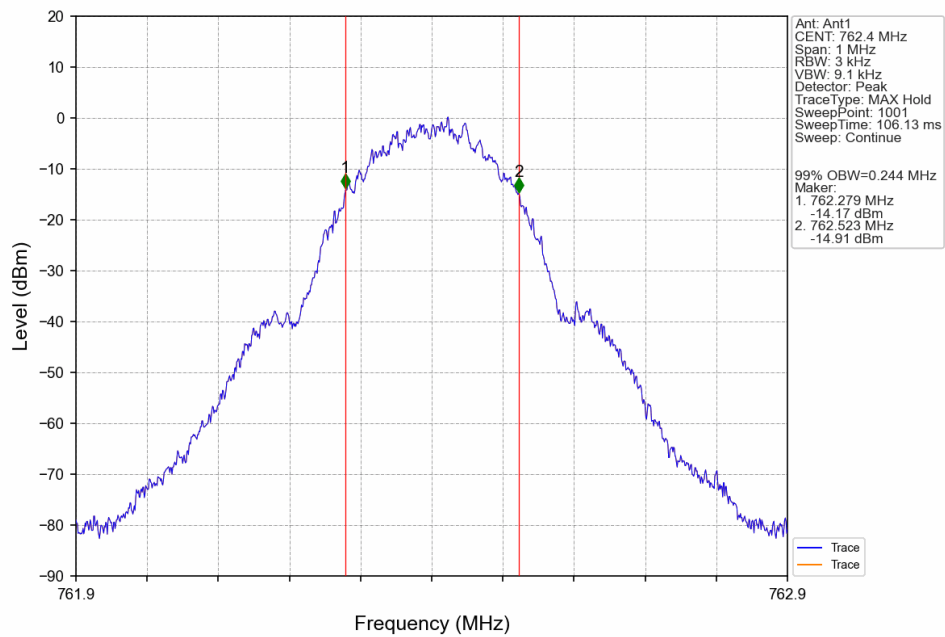
3.2.1 Band14_OBW



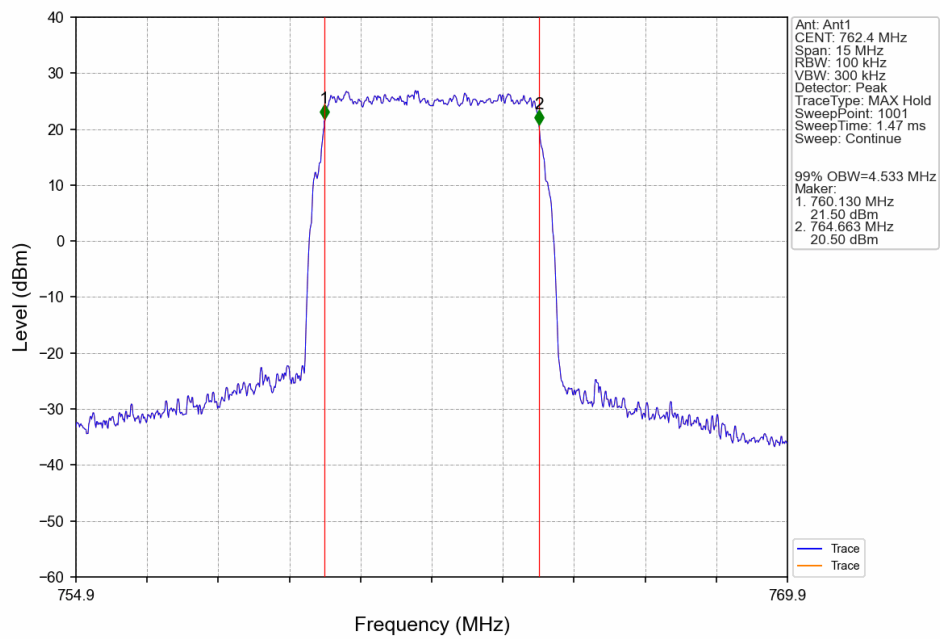
Band14_762.4MHz_GMSK_SISO_Ant1_NTNV_Input_AGC+3



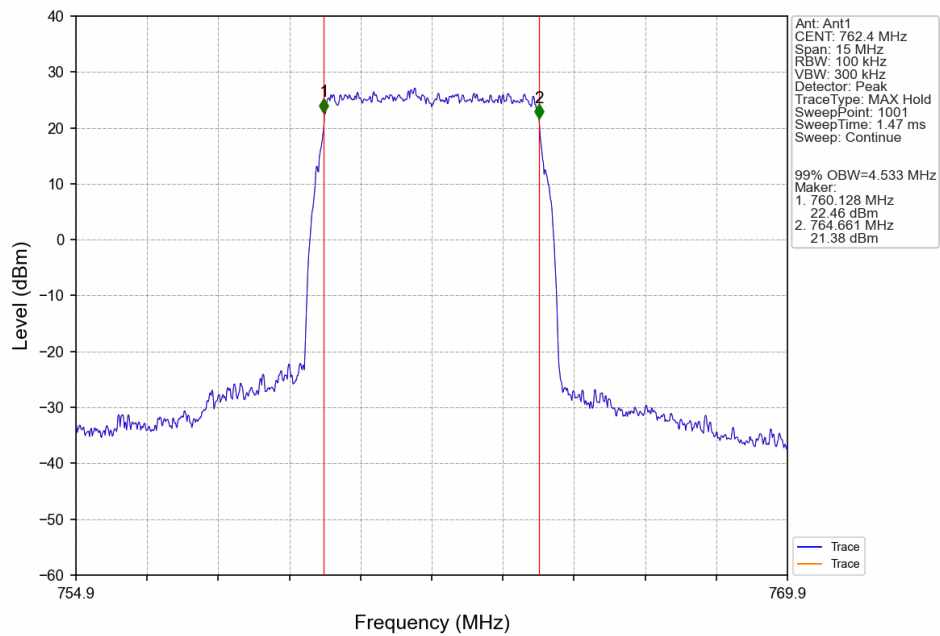
Band14_762.4MHz_GMSK_SISO_Ant1_NTNV_Input_AGC



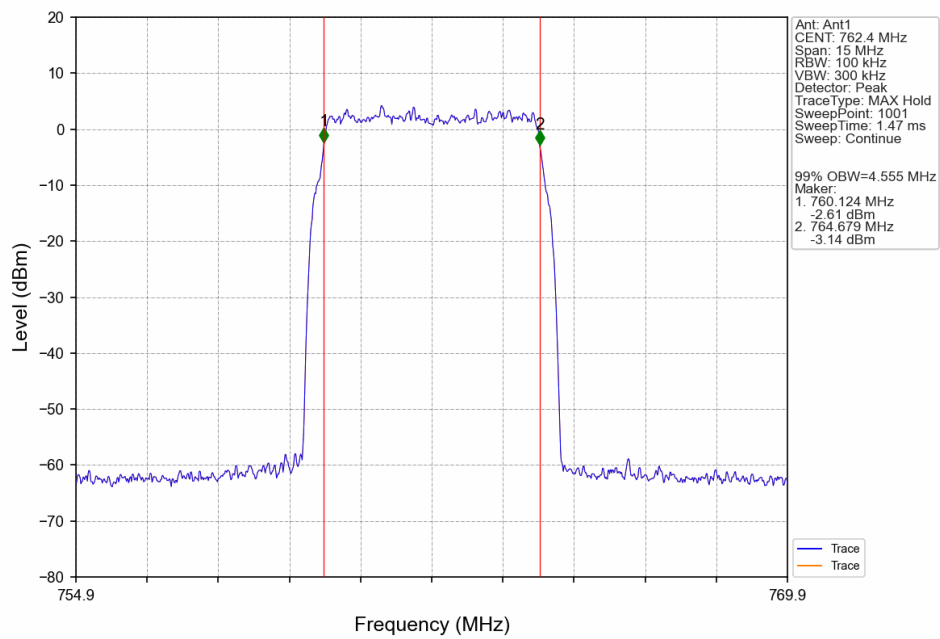
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_Output_AGC+3



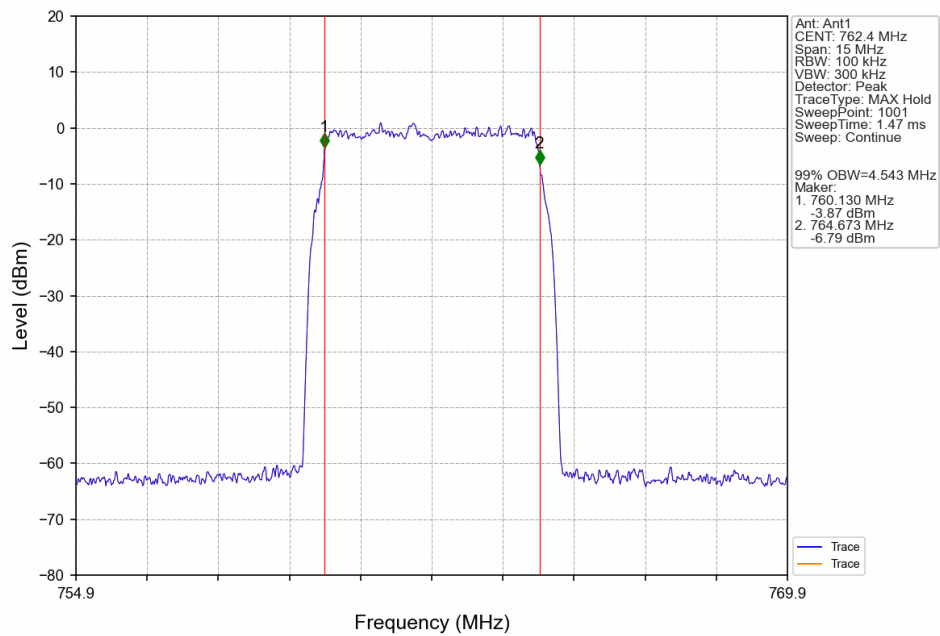
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_Output_AGC



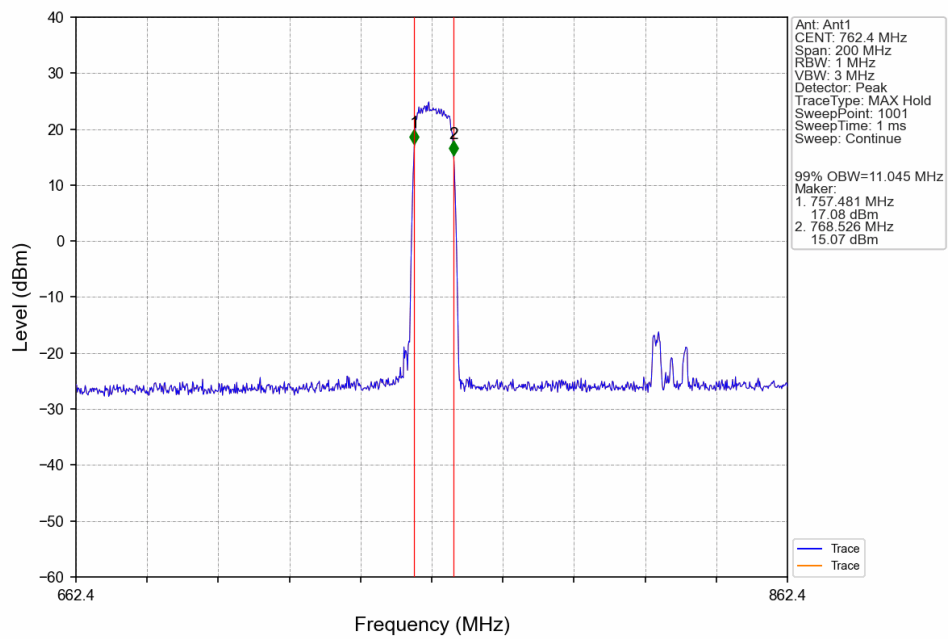
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_Input_AGC+3



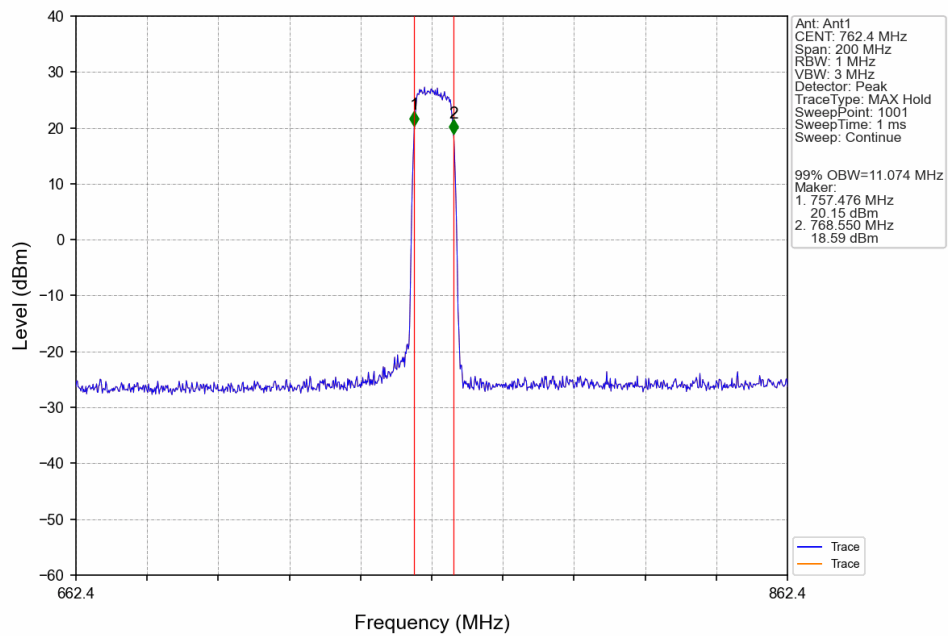
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_Input_AGC



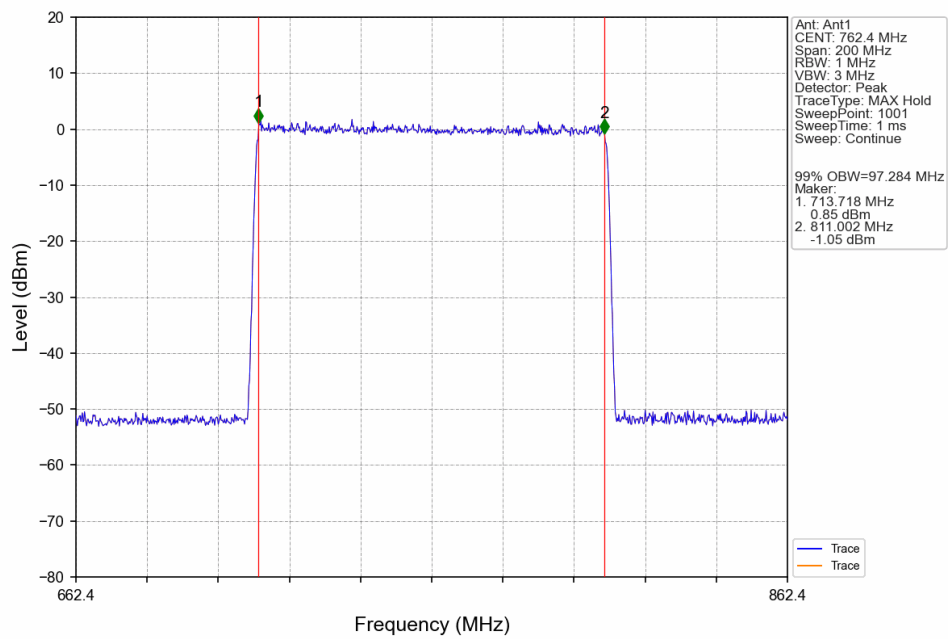
Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC+3



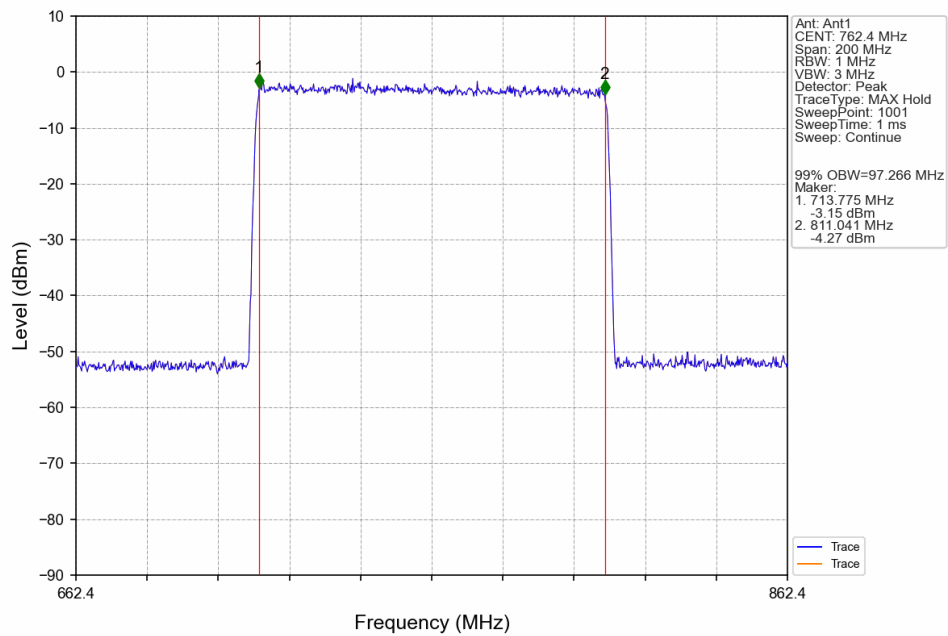
Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC



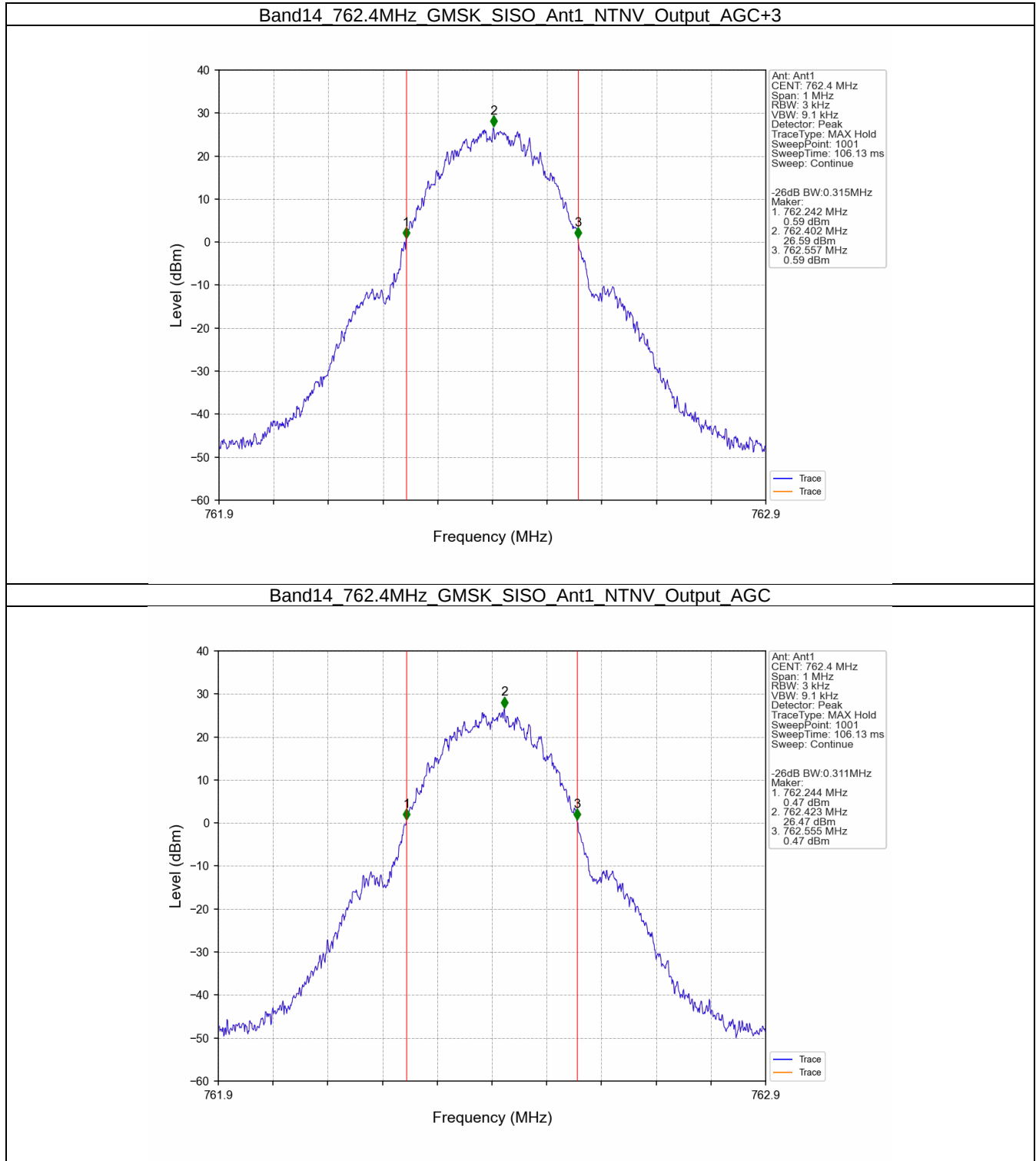
Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC+3



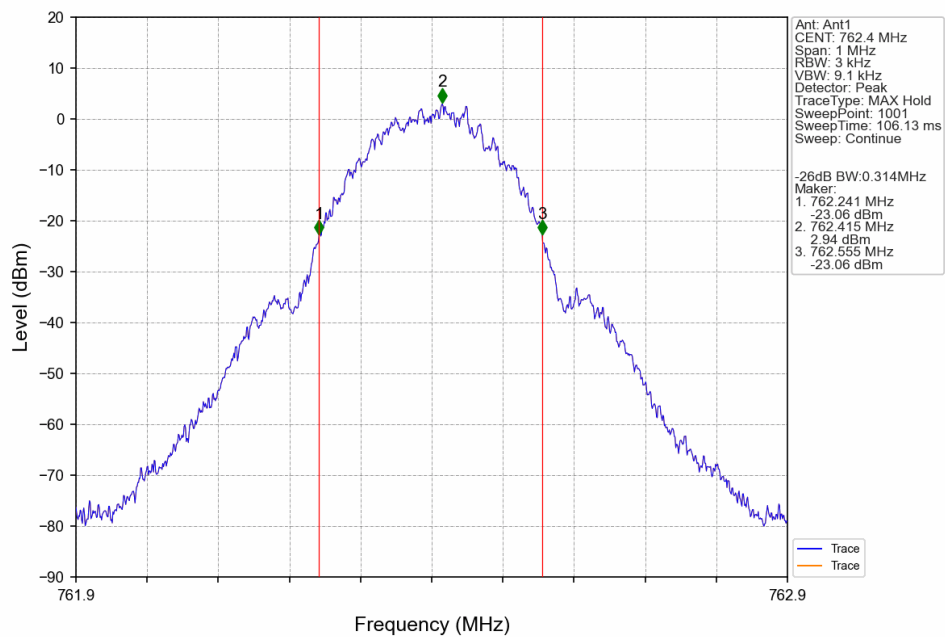
Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC



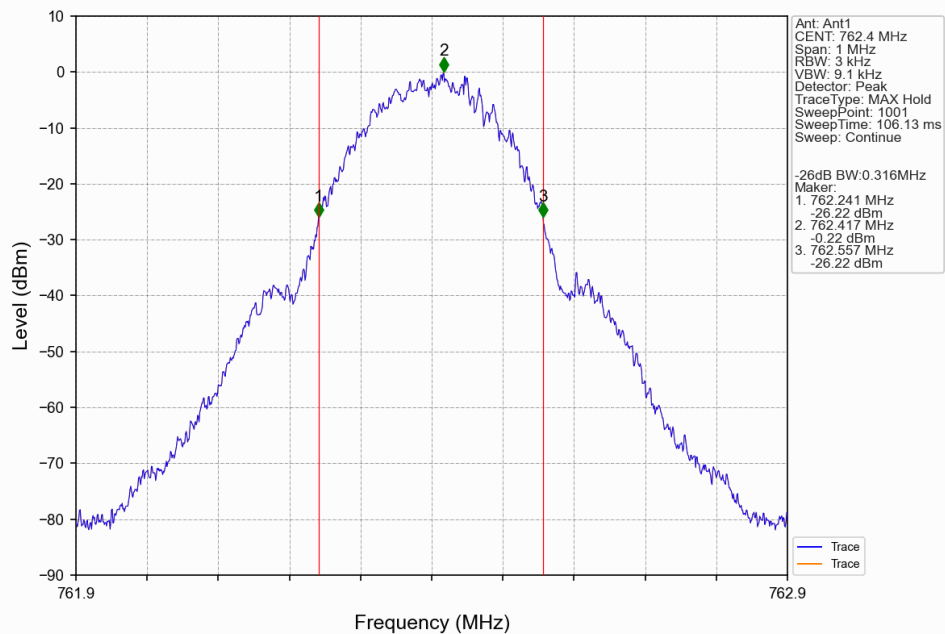
3.2.2 Band14_EBW



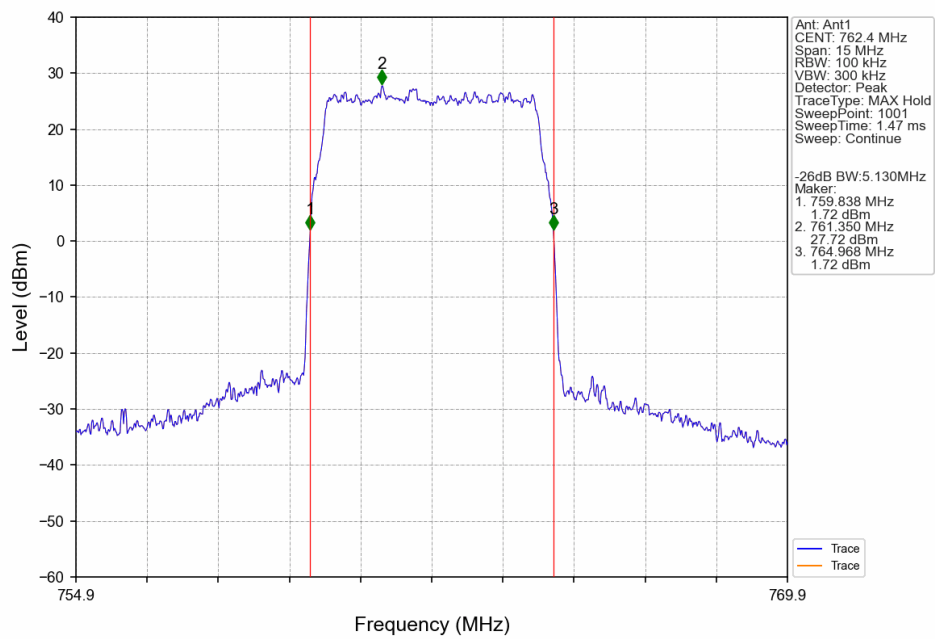
Band14_762.4MHz_GMSK_SISO_Ant1_NTNV_Input_AGC+3



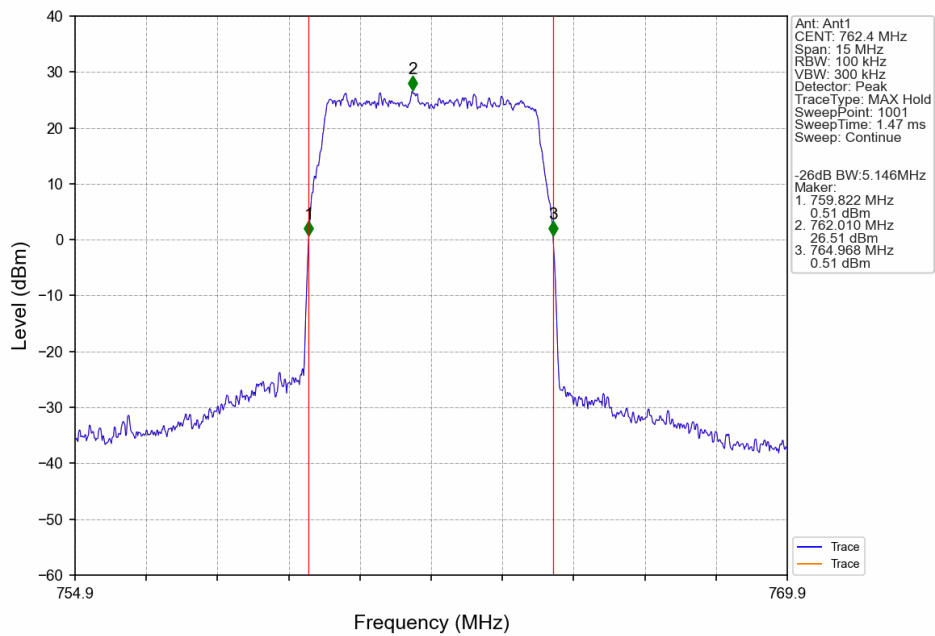
Band14_762.4MHz_GMSK_SISO_Ant1_NTNV_Input_AGC



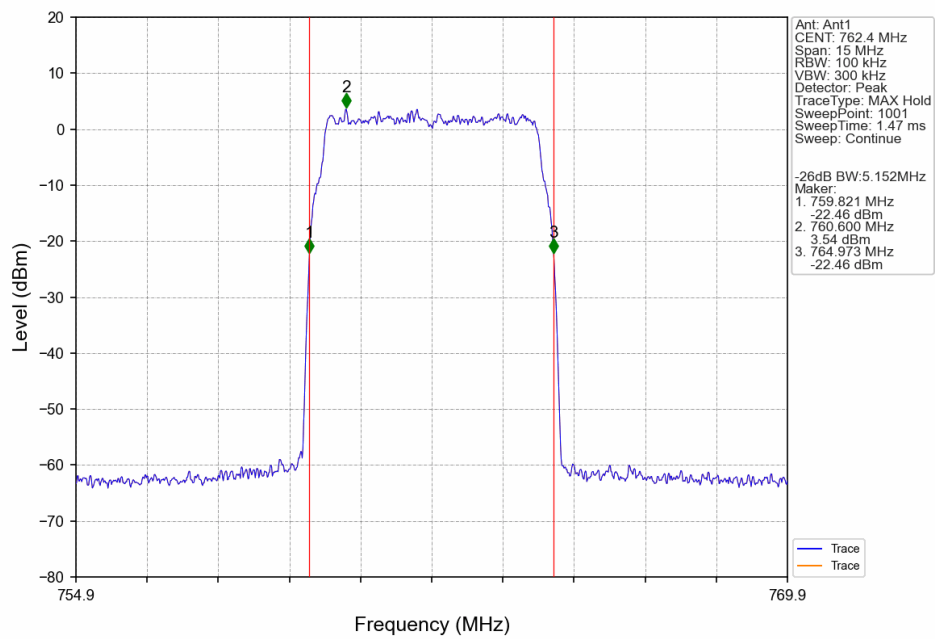
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_Output_AGC+3



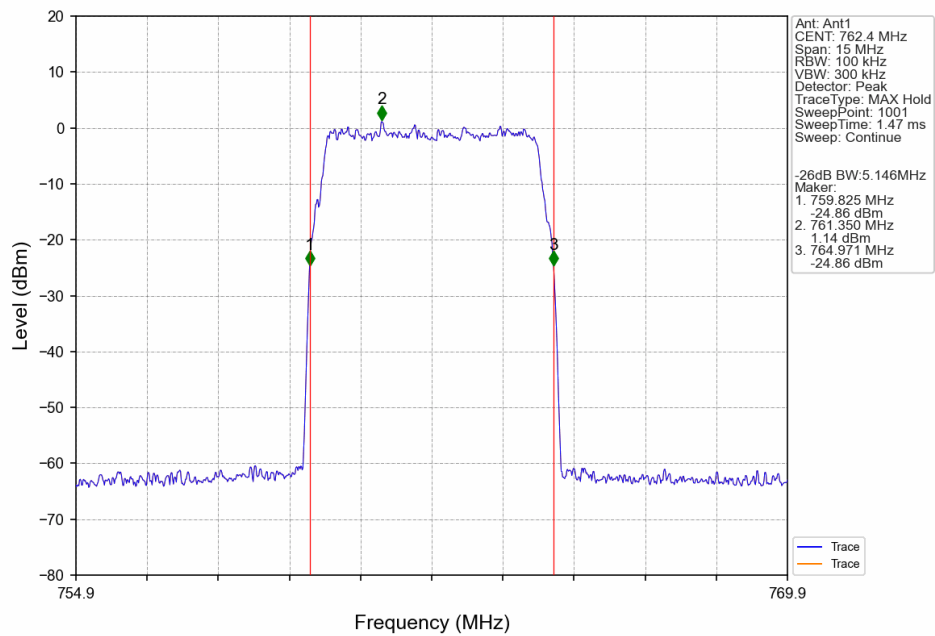
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_Output_AGC



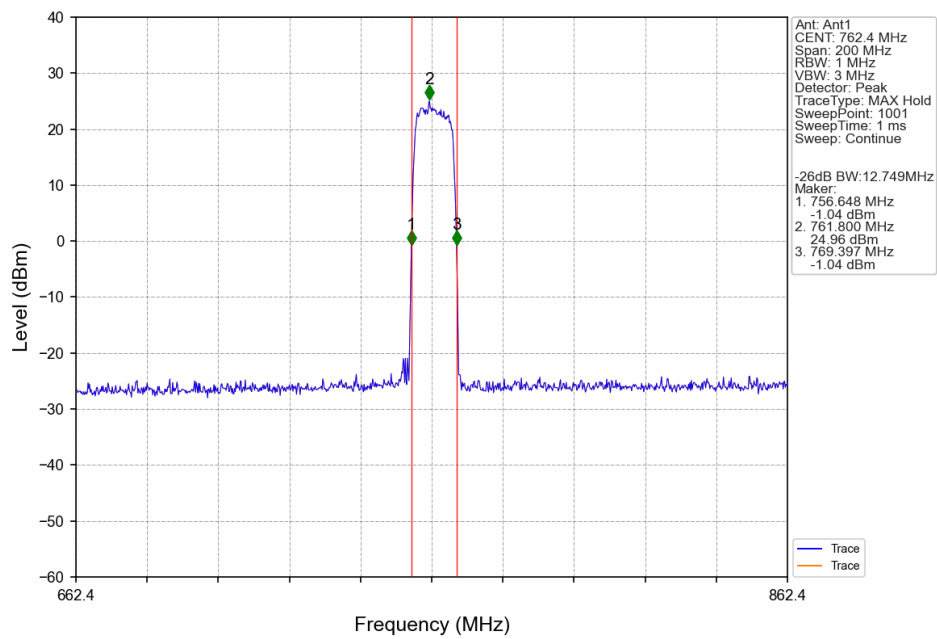
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_Input_AGC+3



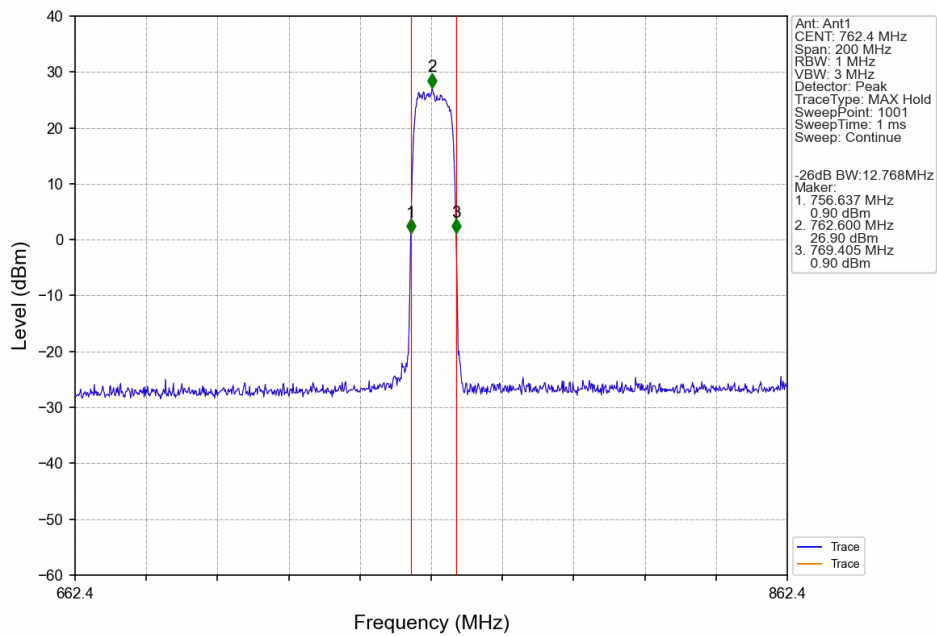
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_Input_AGC



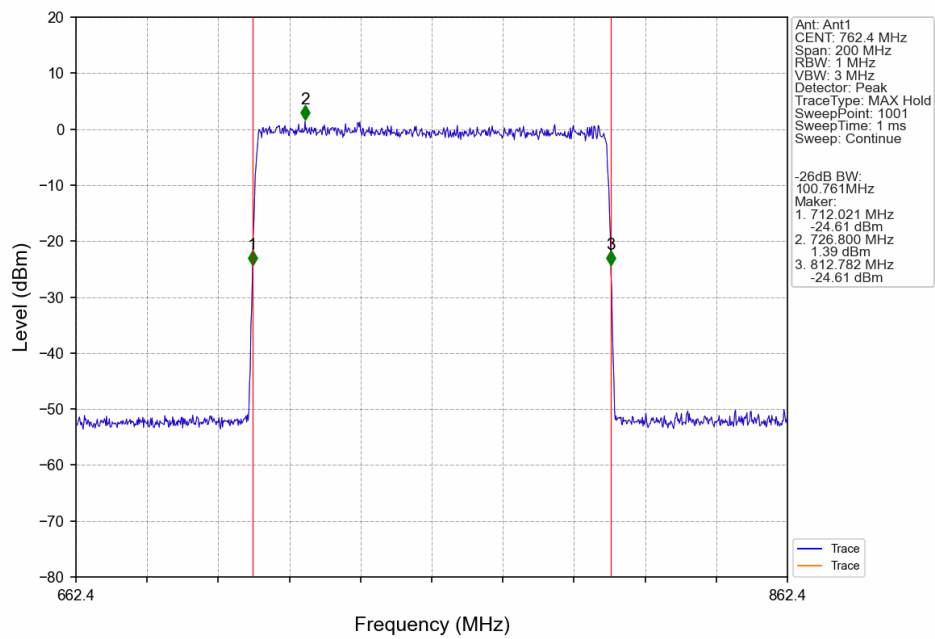
Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC+3



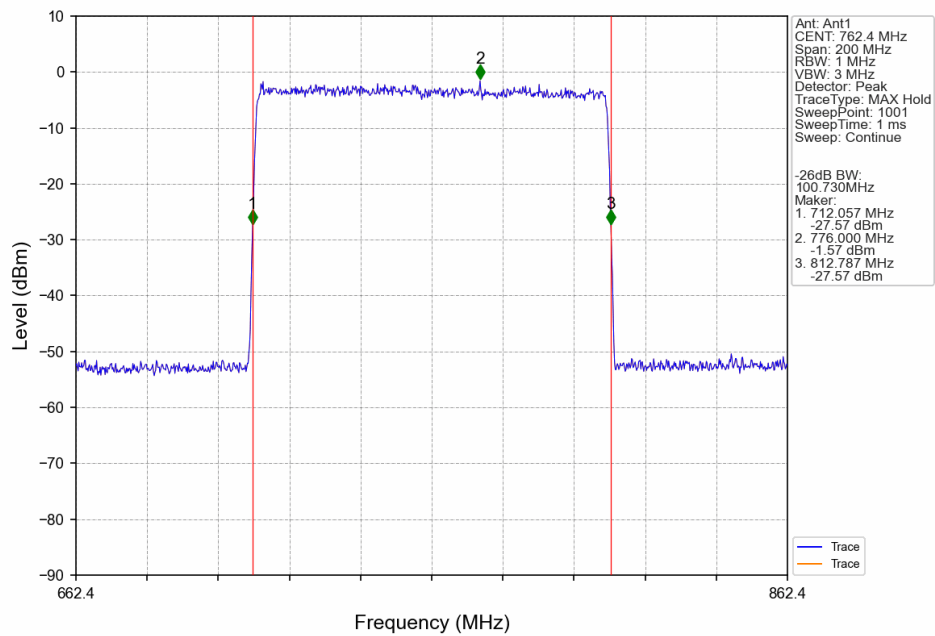
Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_Output_AGC



Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC+3



Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_Input_AGC



4. Input/output power and amplifier/booster gain

4.1 Test Result

4.1.1 Band14_ERIP

Band: 14 / NTNV										
Signal			TX Type	ANT	Conducted Power (dBm/MHz)		ERP (dBm/MHz)		Booster Gain (dB)	Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	Result	Limit		
GMSK 0.2MHz	-0.3	762.4	SISO	1	33.61	-0.11	43.46	<=60	33.72	Pass
	2.7	762.4	SISO	1	33.65	2.94	43.50	<=60	/	Pass
AWGN 5MHz	-0.3	762.4	SISO	1	26.83	-6.92	36.68	<=60	33.75	Pass
	2.7	762.4	SISO	1	26.85	-3.80	36.70	<=60	/	Pass
AWGN 100MHz	-0.3	762.4	SISO	1	13.54	-20.03	23.39	<=60	33.57	Pass
	2.7	762.4	SISO	1	13.55	-17.04	23.40	<=60	/	Pass

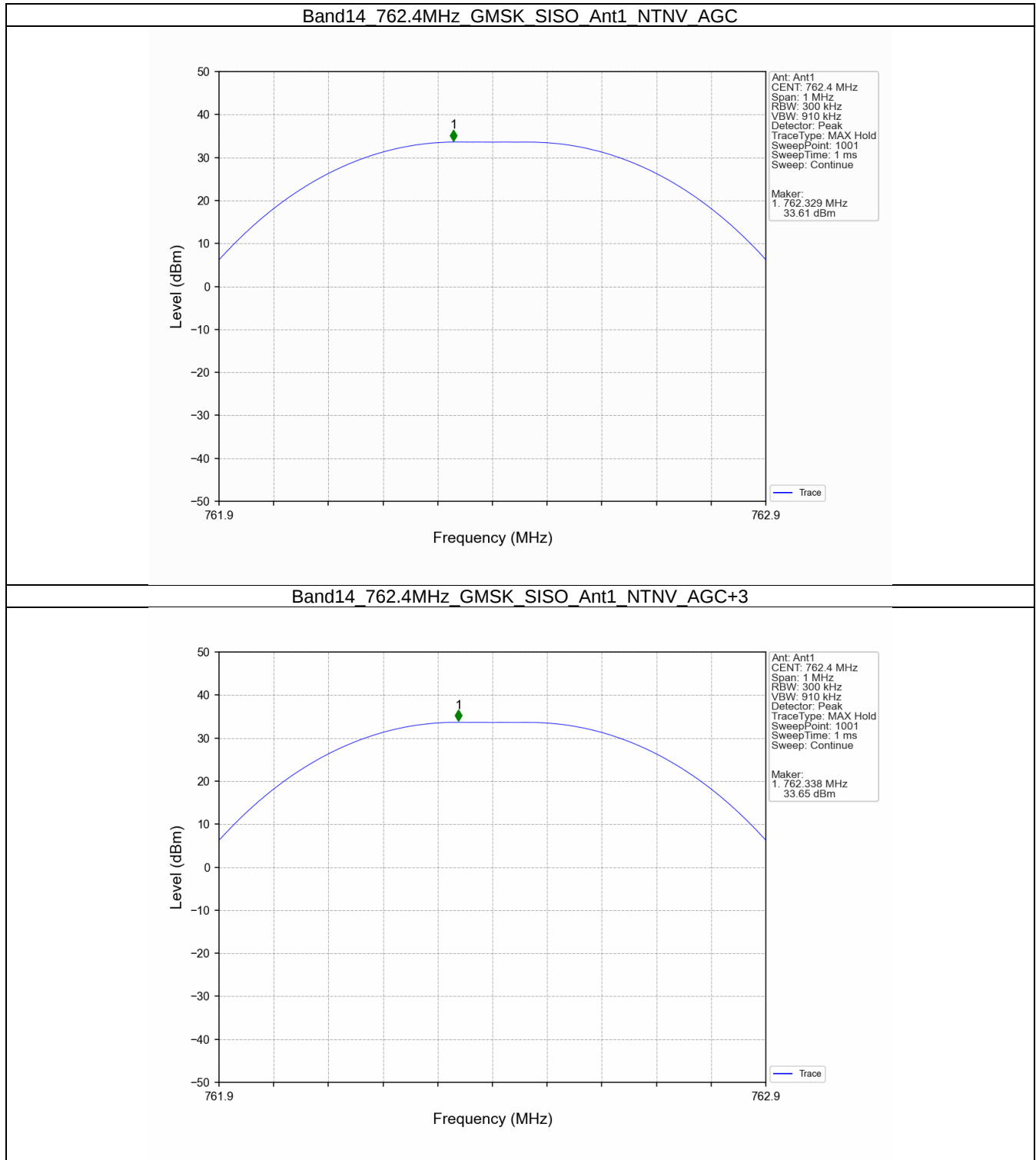
Signal			ANT	Conducted Power (dBm)	ERP (dBm)	Limit	Verdict
Type	Level (dBm)	Frequency (MHz)		SISO	SISO		
GMSK 0.2MHz	-0.3	762.4	1	33.61	43.46	/	Pass
	2.7	762.4	1	33.65	43.50	/	Pass
AWGN 5MHz	-0.3	762.4	1	33.82	43.67	/	Pass
	2.7	762.4	1	33.84	43.69	/	Pass
AWGN 100MHz	-0.3	762.4	1	33.54	43.39	/	Pass
	2.7	762.4	1	33.55	43.40	/	Pass

4.1.2 Band14_PAPR

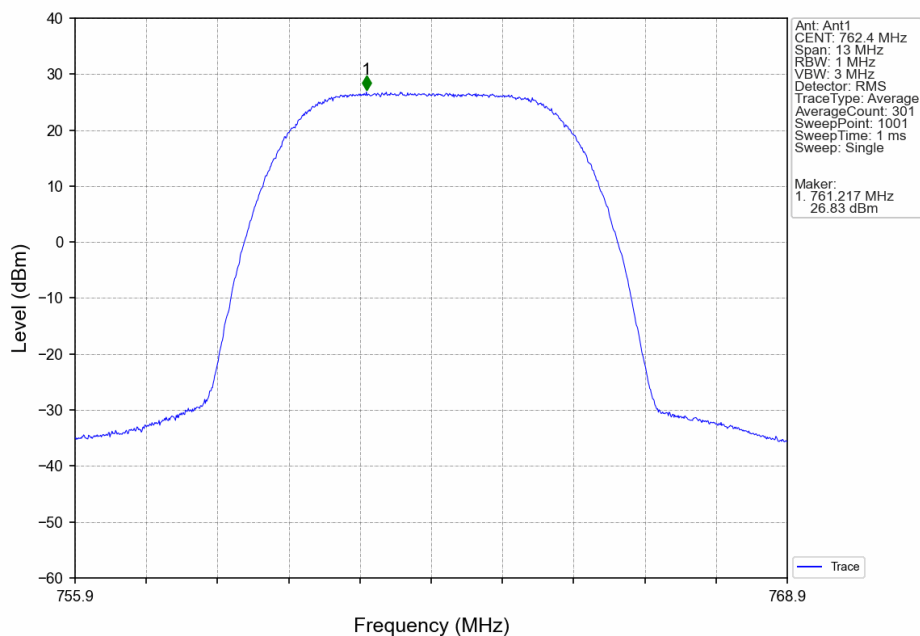
Band: 14 / NTNV							
Signal			TX Type	ANT	PAPR (dB)		Verdict
Type	Level (dBm)	Frequency (MHz)			Result	Limit	
GMSK 0.2MHz	-0.3	762.4	SISO	1	0.43	<=13	Pass
	2.7	762.4	SISO	1	0.26	<=13	Pass
AWGN 5MHz	-0.3	762.4	SISO	1	8.33	<=13	Pass
	2.7	762.4	SISO	1	8.25	<=13	Pass
AWGN 100MHz	-0.3	762.4	SISO	1	8.43	<=13	Pass
	2.7	762.4	SISO	1	8.42	<=13	Pass

4.2 Test Graph

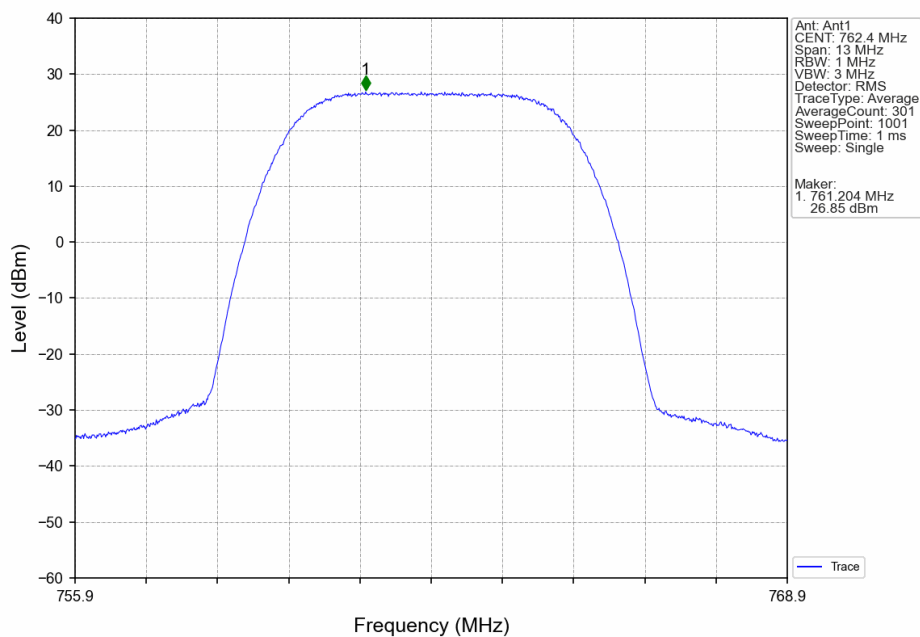
4.2.1 Band14_ERP



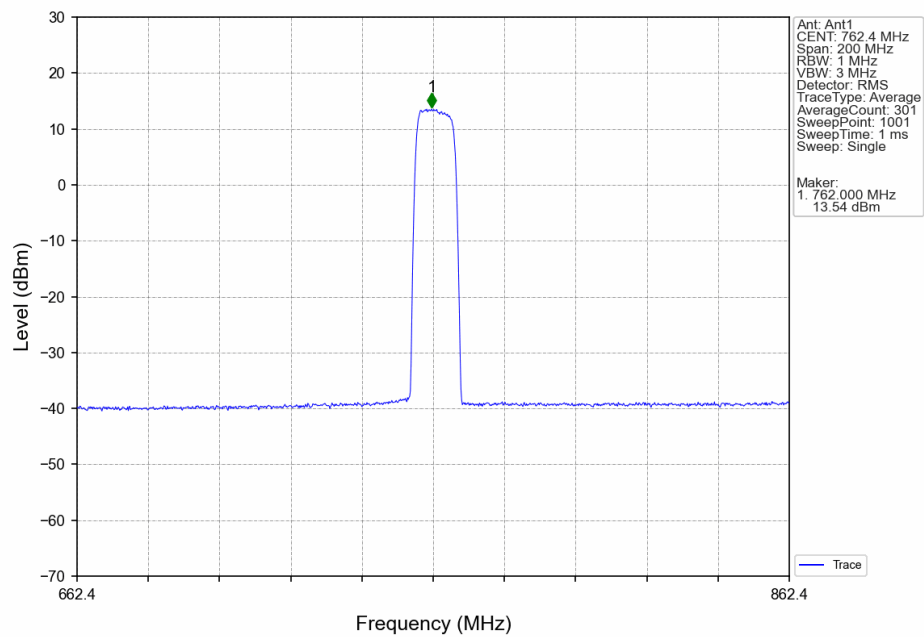
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_AGC



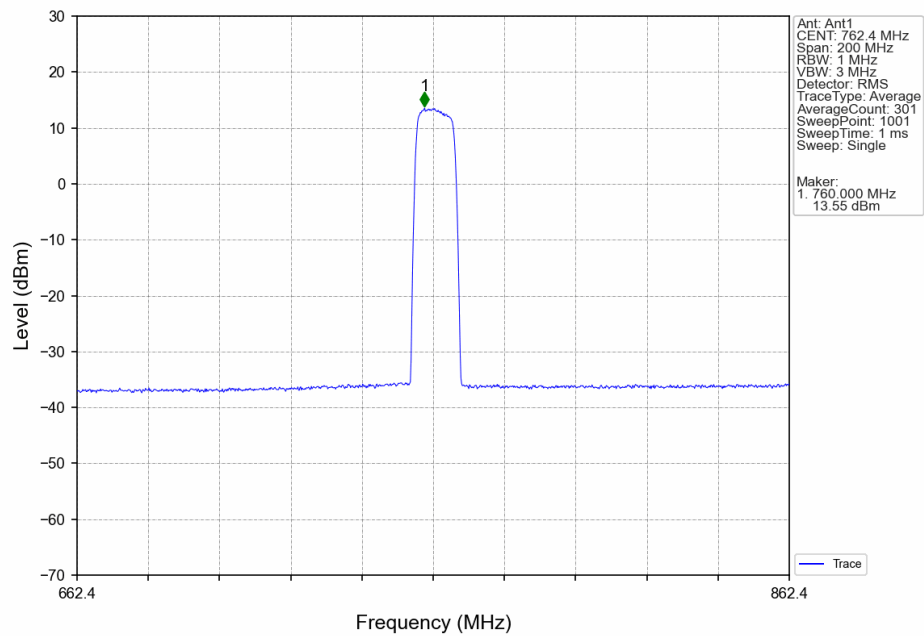
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_AGC+3



Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_AGC

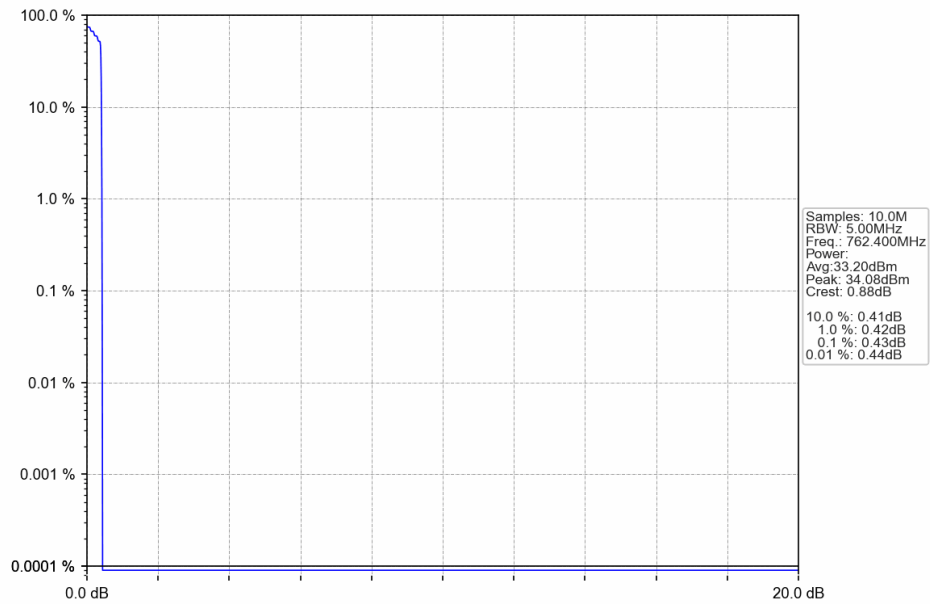


Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3

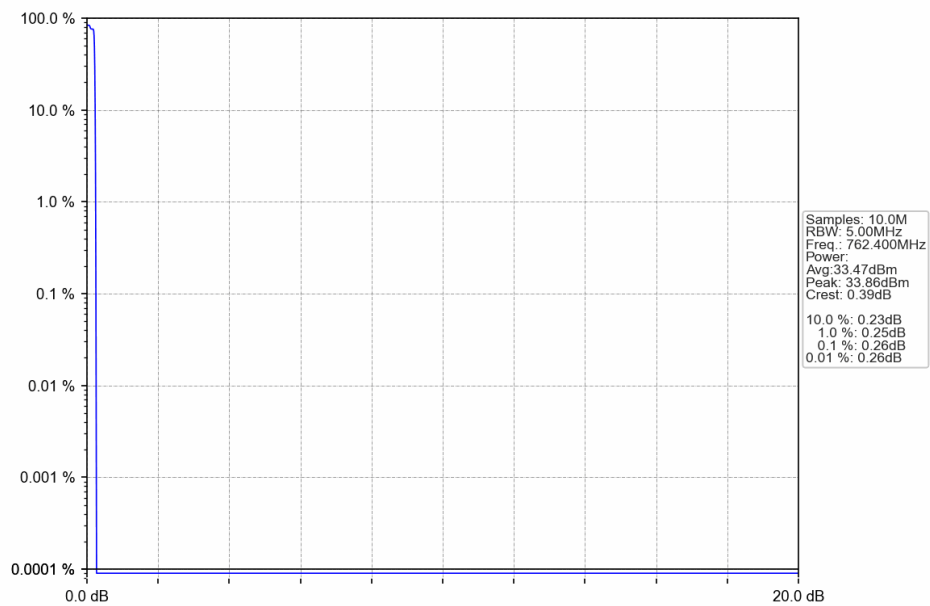


4.2.2 Band14_PAPR

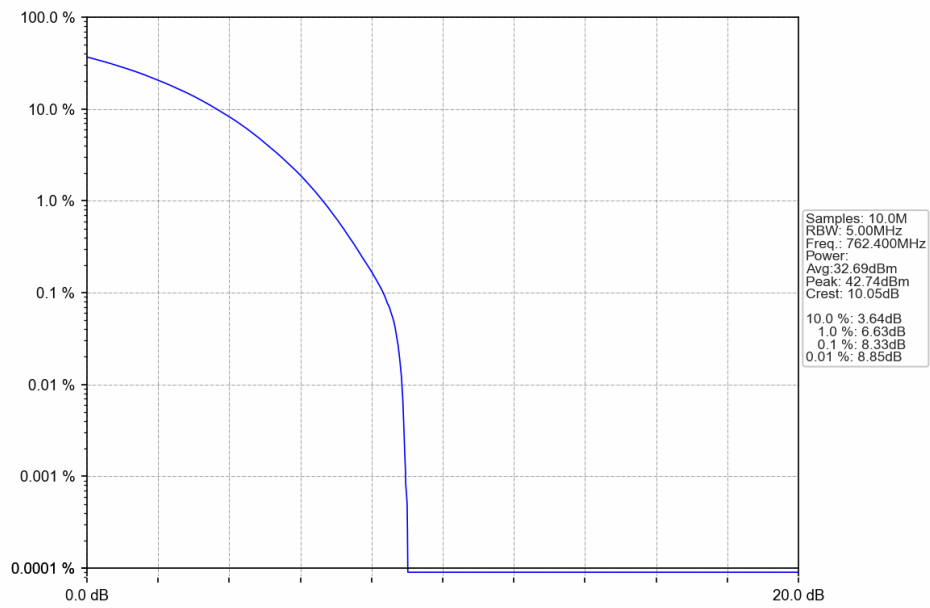
Band14_762.4MHz_GMSK_SISO_Ant1_NTNV_AGC



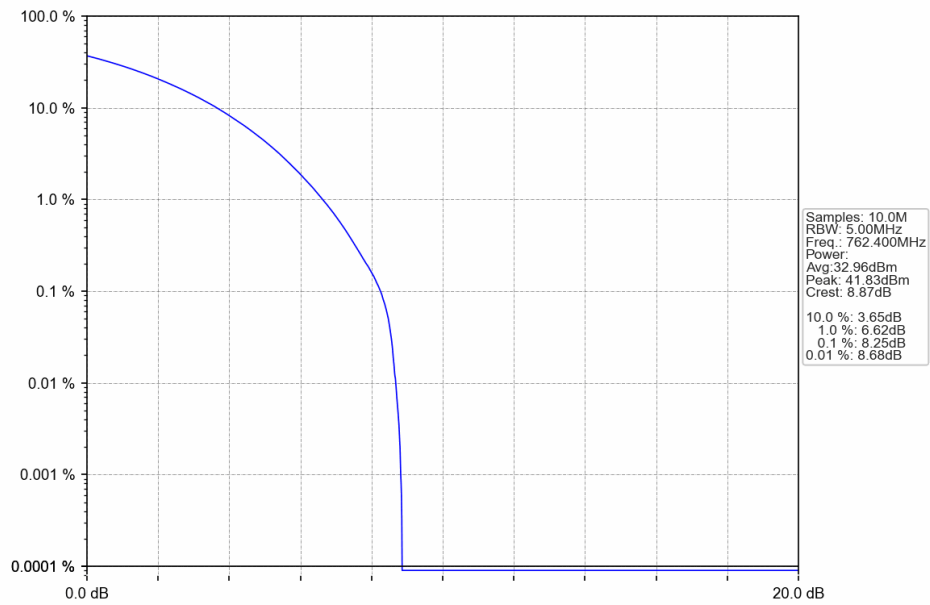
Band14_762.4MHz_GMSK_SISO_Ant1_NTNV_AGC+3



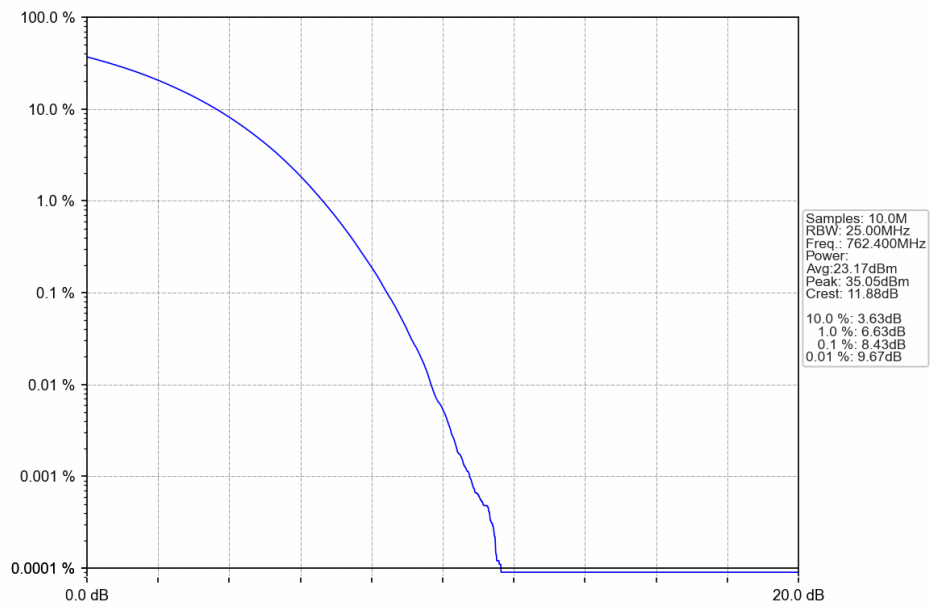
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_AGC



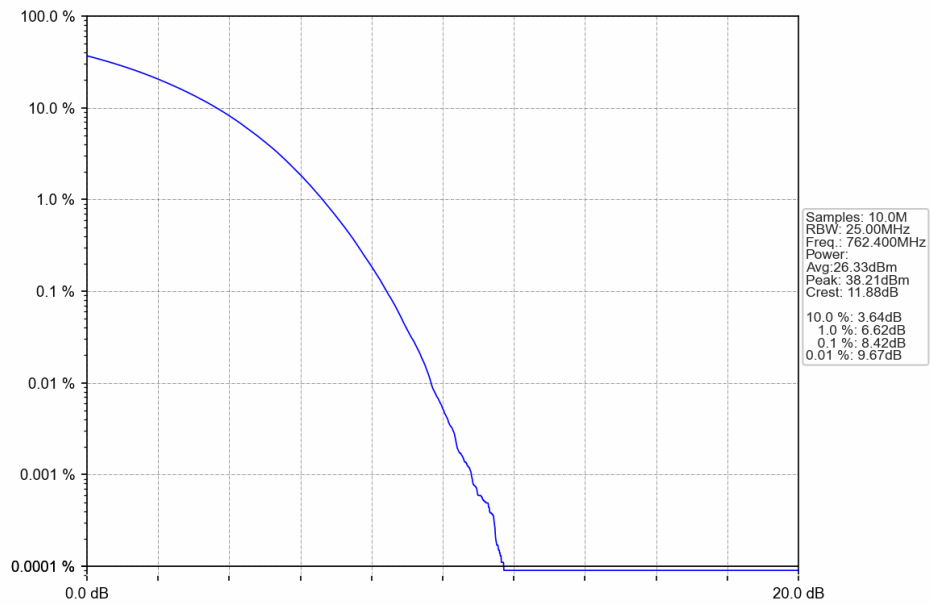
Band14_762.4MHz_AWGN_SISO_Ant1_NTNV_AGC+3



Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



Band14_762.4MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



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

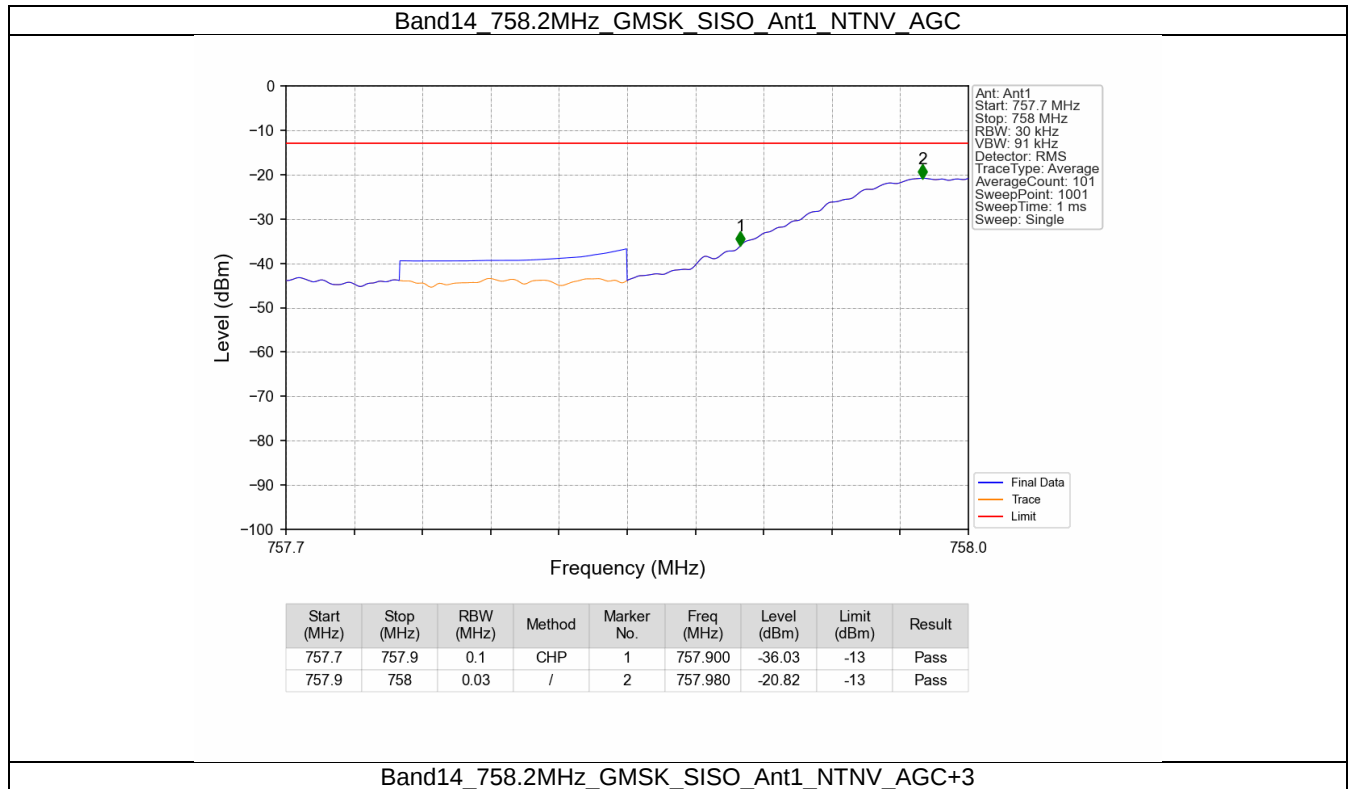
5.1 Test Result

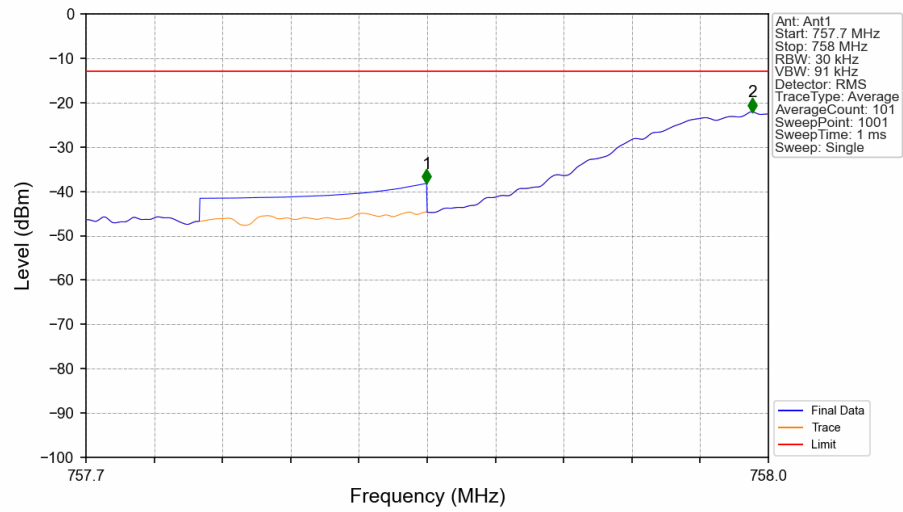
5.1.1 Band14

Band: 14 / NTNV									
Input	Type	Signal		Channel	TX Type	ANT	OOB (dBm)		Verdict
		Level (dBm)	Frequency (MHz)				Result	Limit	
Two	GMSK 0.2MHz	-0.3	758.2	LCH	SISO	1	-20.82	Refer To Test Graph	Pass
		2.7	758.2	LCH	SISO	1	-22.08	Refer To Test Graph	Pass
One	GMSK 0.2MHz	-0.3	758.2	LCH	SISO	1	-20.32	Refer To Test Graph	Pass
		2.7	758.2	LCH	SISO	1	-19.59	Refer To Test Graph	Pass
Two	GMSK 0.2MHz	-0.3	767.8	HCH	SISO	1	-22.46	Refer To Test Graph	Pass
		2.7	767.8	HCH	SISO	1	-21.77	Refer To Test Graph	Pass
One	GMSK 0.2MHz	-0.3	767.8	HCH	SISO	1	-20.35	Refer To Test Graph	Pass
		2.7	767.8	HCH	SISO	1	-19.26	Refer To Test Graph	Pass
Two	AWGN 5MHz	-0.3	760.5	LCH	SISO	1	-23.71	Refer To Test Graph	Pass
		2.7	760.5	LCH	SISO	1	-23.85	Refer To Test Graph	Pass
One	AWGN 5MHz	-0.3	760.5	LCH	SISO	1	-23.19	Refer To Test Graph	Pass
		2.7	760.5	LCH	SISO	1	-23.11	Refer To Test Graph	Pass
Two	AWGN 5MHz	-0.3	765.5	HCH	SISO	1	-25.05	Refer To Test Graph	Pass
		2.7	765.5	HCH	SISO	1	-24.91	Refer To Test Graph	Pass
One	AWGN 5MHz	-0.3	765.5	HCH	SISO	1	-23.88	Refer To Test Graph	Pass
		2.7	765.5	HCH	SISO	1	-24.84	Refer To Test Graph	Pass
Two	AWGN 100MHz	-0.3	808	LCH	SISO	1	-48.99	Refer To Test Graph	Pass
		2.7	808	LCH	SISO	1	-45.15	Refer To Test Graph	Pass
One	AWGN 100MHz	-0.3	808	LCH	SISO	1	-51.77	Refer To Test Graph	Pass
		2.7	808	LCH	SISO	1	-48.99	Refer To Test Graph	Pass
Two	AWGN 100MHz	-0.3	718	HCH	SISO	1	-50.65	Refer To Test Graph	Pass
		2.7	718	HCH	SISO	1	-48.44	Refer To Test Graph	Pass
One	AWGN 100MHz	-0.3	718	HCH	SISO	1	-53.98	Refer To Test Graph	Pass
		2.7	718	HCH	SISO	1	-51.55	Refer To Test Graph	Pass

5.2 Test Graph

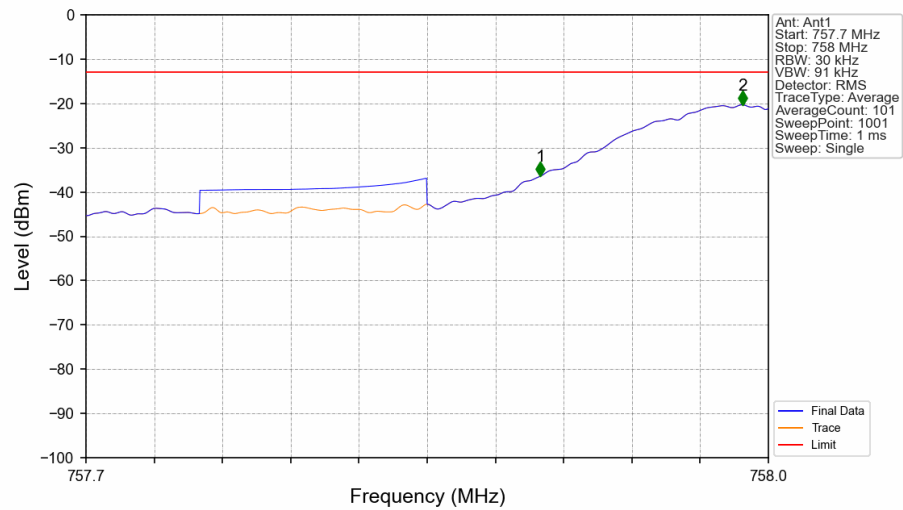
5.2.1 Band14





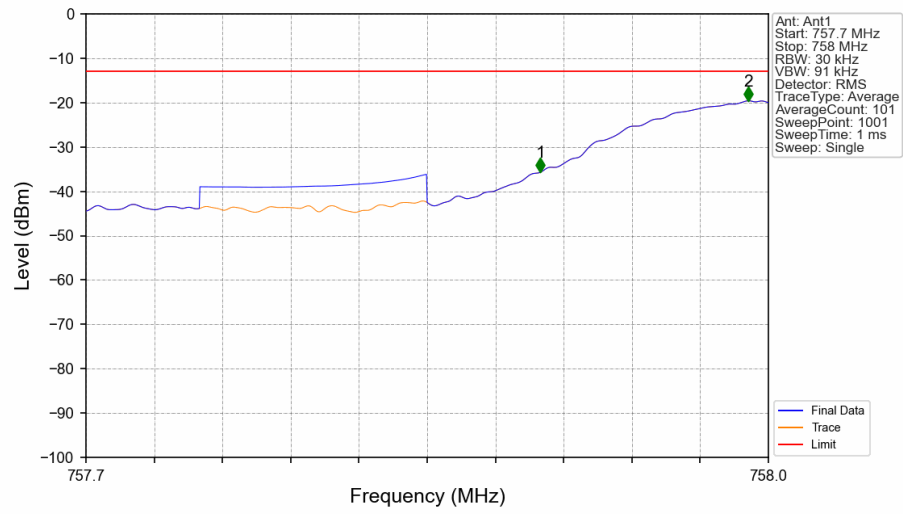
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.850	-38.24	-13	Pass
757.9	758	0.03	/	2	757.993	-22.08	-13	Pass

Band14_758.2MHz_GMSK_SISO_Ant1_NTNV_AGC



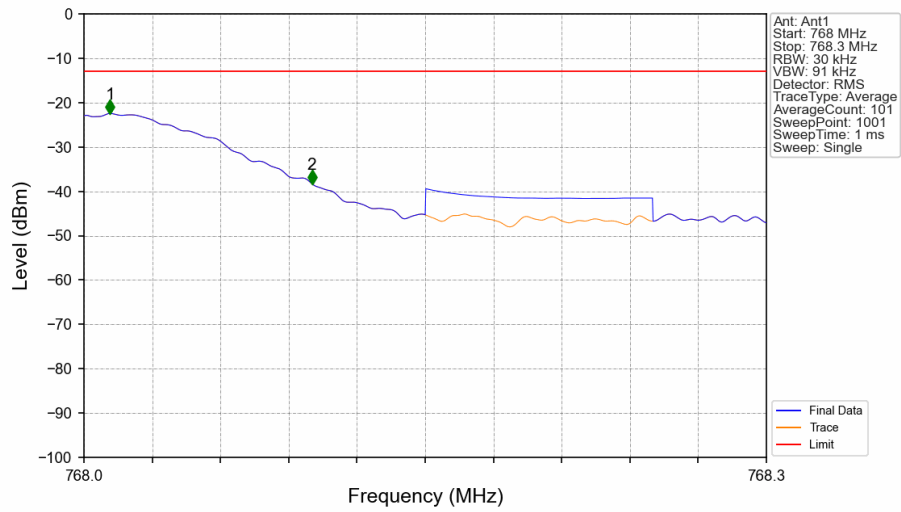
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.900	-36.45	-13	Pass
757.9	758	0.03	/	2	757.989	-20.31	-13	Pass

Band14_758.2MHz_GMSK_SISO_Ant1_NTNV_AGC+3



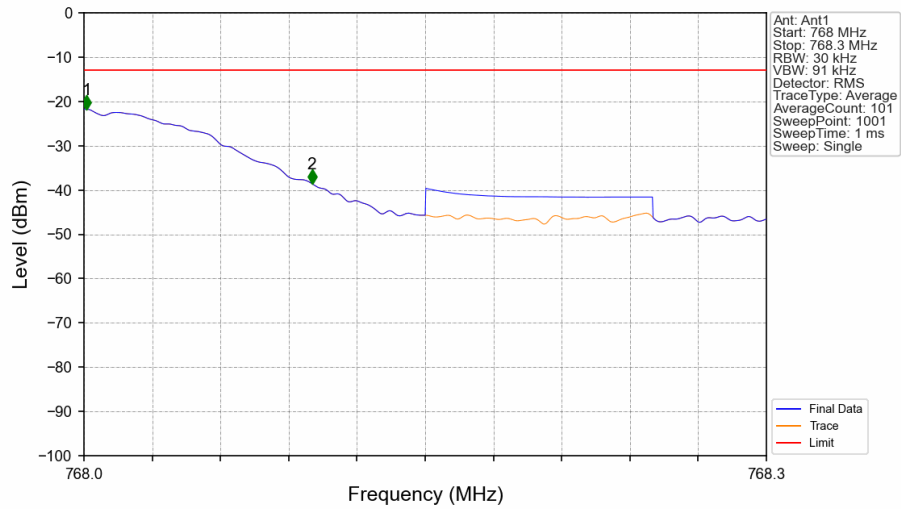
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.900	-35.72	-13	Pass
757.9	758	0.03	I	2	757.991	-19.59	-13	Pass

Band14_767.8MHz_GMSK_SISO_Ant1_NTNV_AGC



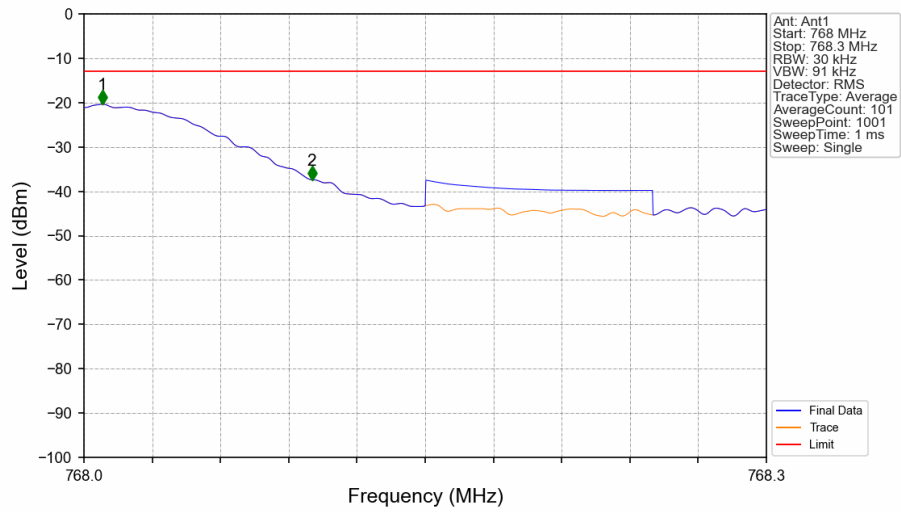
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.011	-22.46	-13	Pass
768.1	768.3	0.1	CHP	2	768.100	-38.30	-13	Pass

Band14_767.8MHz_GMSK_SISO_Ant1_NTNV_AGC+3



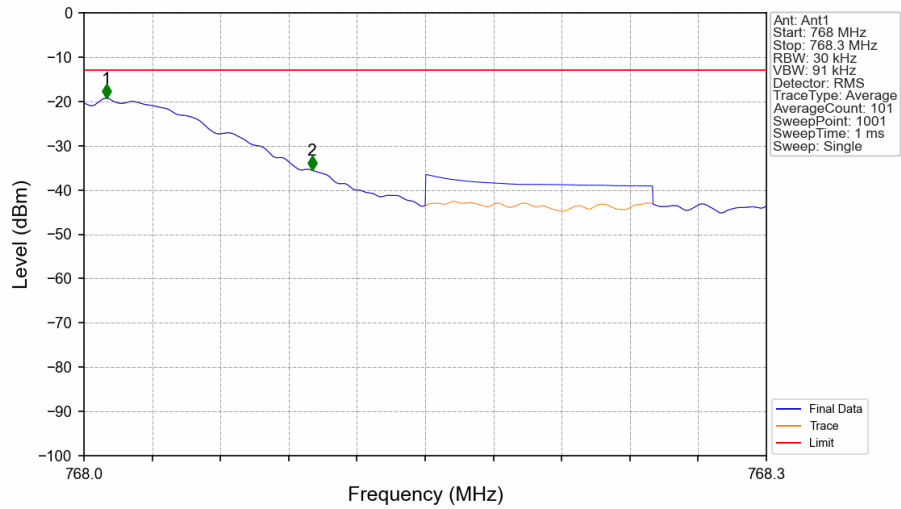
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.001	-21.77	-13	Pass
768.1	768.3	0.1	CHP	2	768.100	-38.57	-13	Pass

Band14_767.8MHz_GMSK_SISO_Ant1_NTNV_AGC



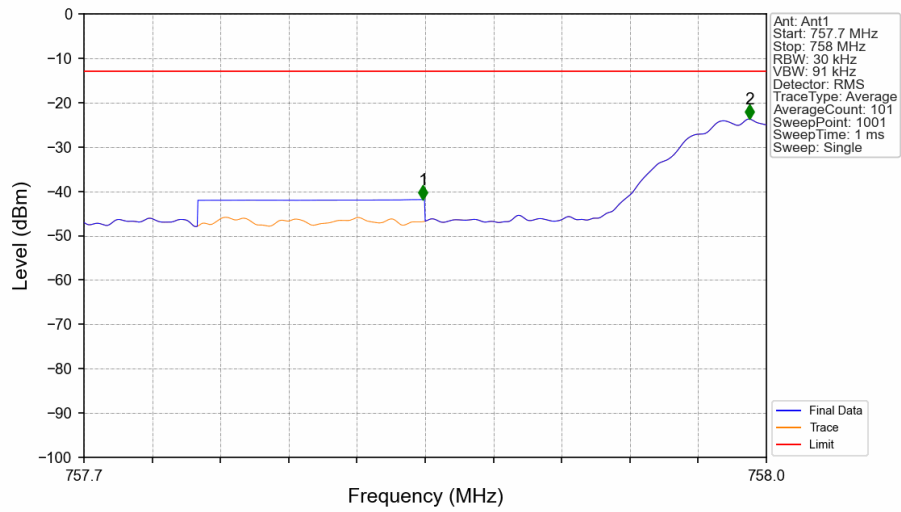
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.008	-20.35	-13	Pass
768.1	768.3	0.1	CHP	2	768.100	-37.39	-13	Pass

Band14_767.8MHz_GMSK_SISO_Ant1_NTNV_AGC+3



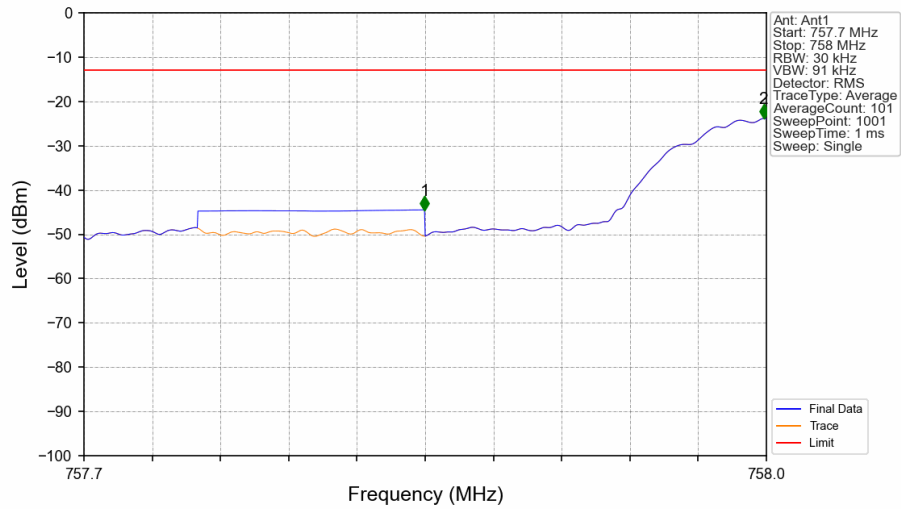
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.010	-19.26	-13	Pass
768.1	768.3	0.1	CHP	2	768.100	-35.55	-13	Pass

Band14_760.5MHz_AWGN_SISO_Ant1_NTNV_AGC



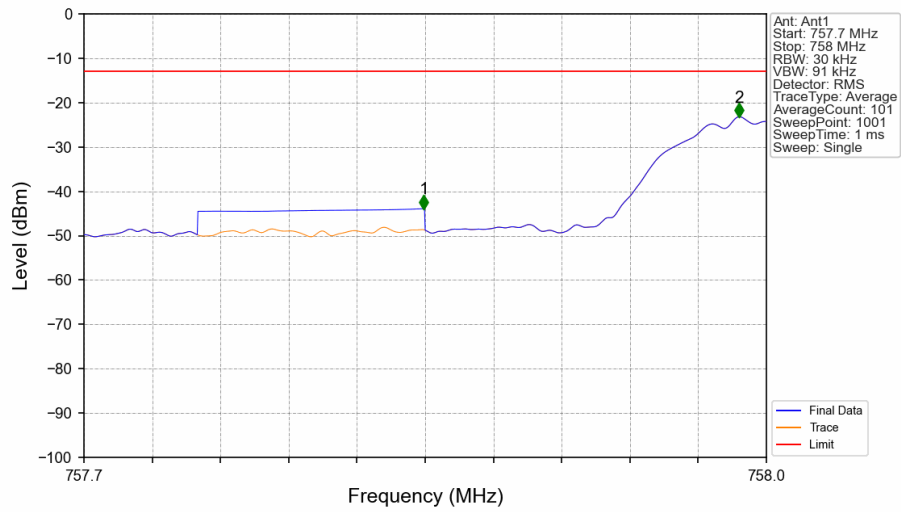
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.849	-41.86	-13	Pass
757.9	758	0.03	/	2	757.992	-23.71	-13	Pass

Band14_760.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



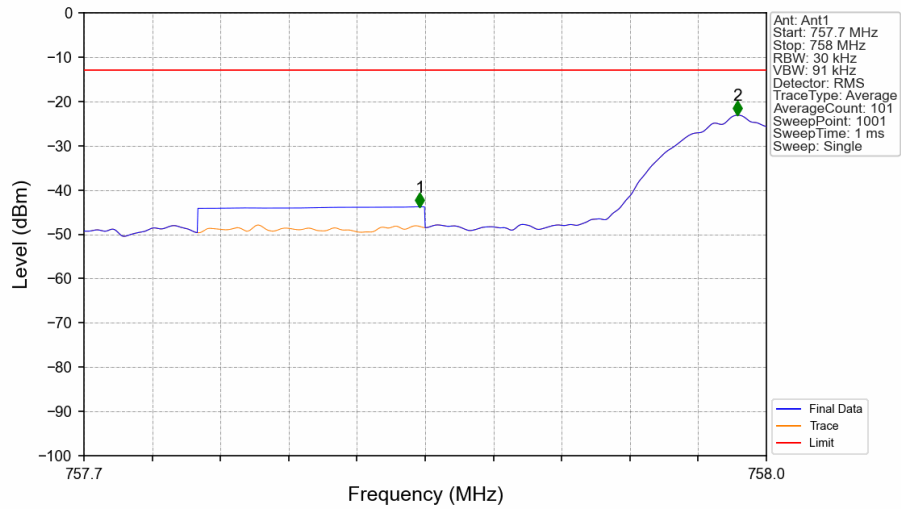
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.850	-44.49	-13	Pass
757.9	758	0.03	/	2	757.999	-23.85	-13	Pass

Band14_760.5MHz_AWGN_SISO_Ant1_NTNV_AGC



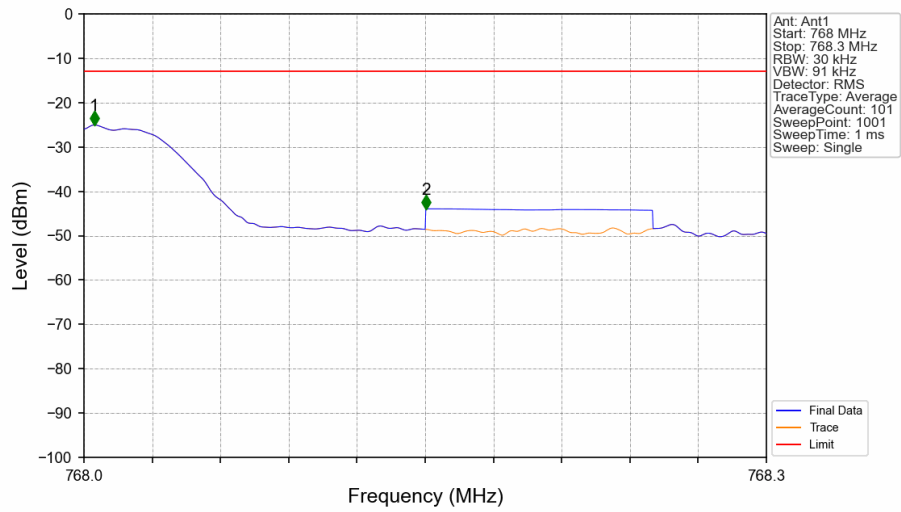
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.849	-43.93	-13	Pass
757.9	758	0.03	/	2	757.988	-23.19	-13	Pass

Band14_760.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



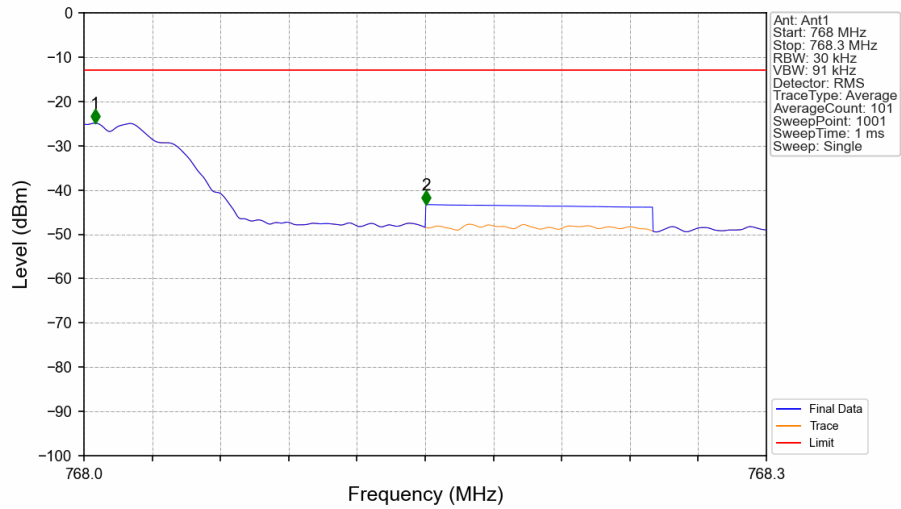
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.848	-43.80	-13	Pass
757.9	758	0.03	/	2	757.987	-23.11	-13	Pass

Band14_765.5MHz_AWGN_SISO_Ant1_NTNV_AGC



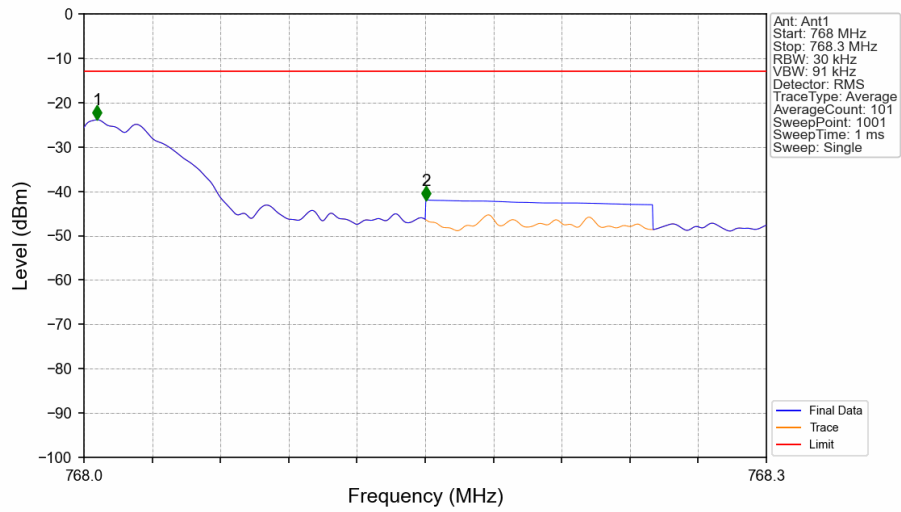
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.005	-25.05	-13	Pass
768.1	768.3	0.1	CHP	2	768.150	-43.96	-13	Pass

Band14_765.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



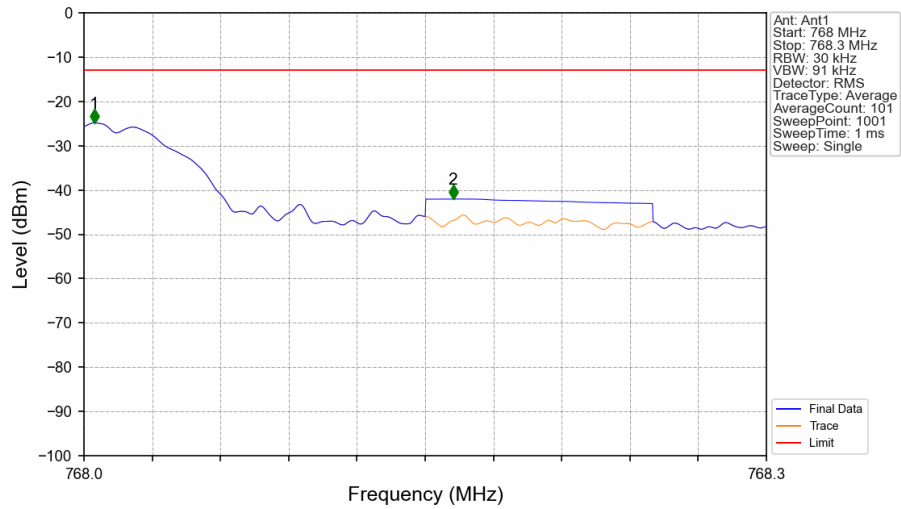
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.005	-24.91	-13	Pass
768.1	768.3	0.1	CHP	2	768.150	-43.29	-13	Pass

Band14_765.5MHz_AWGN_SISO_Ant1_NTNV_AGC



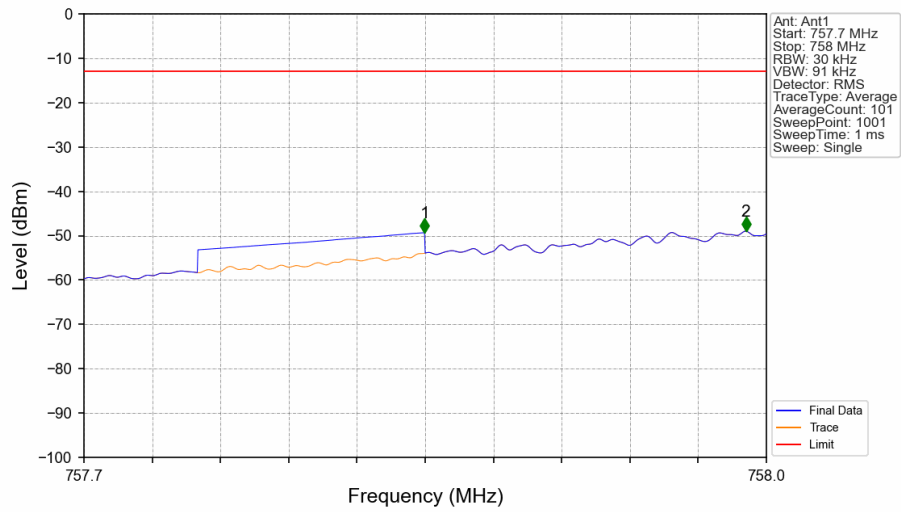
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.006	-23.88	-13	Pass
768.1	768.3	0.1	CHP	2	768.150	-41.96	-13	Pass

Band14_765.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



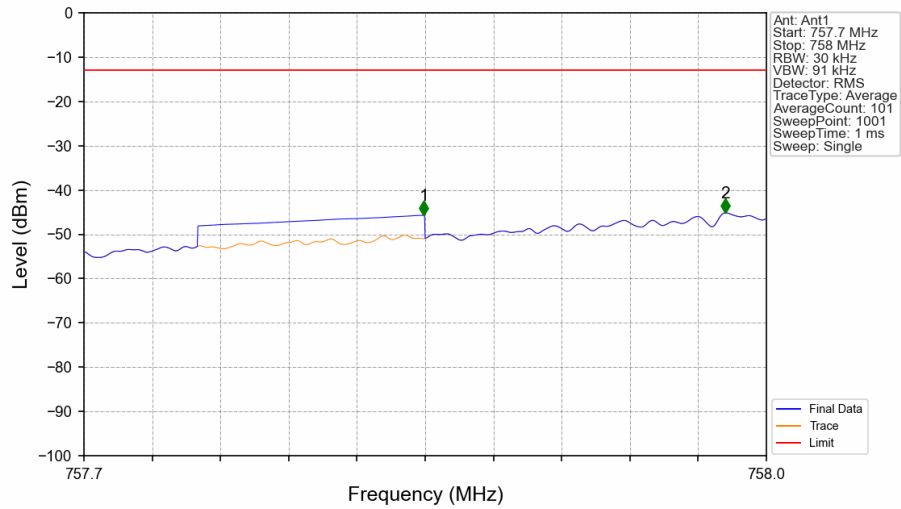
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.005	-24.84	-13	Pass
768.1	768.3	0.1	CHP	2	768.162	-42.05	-13	Pass

Band14_808MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



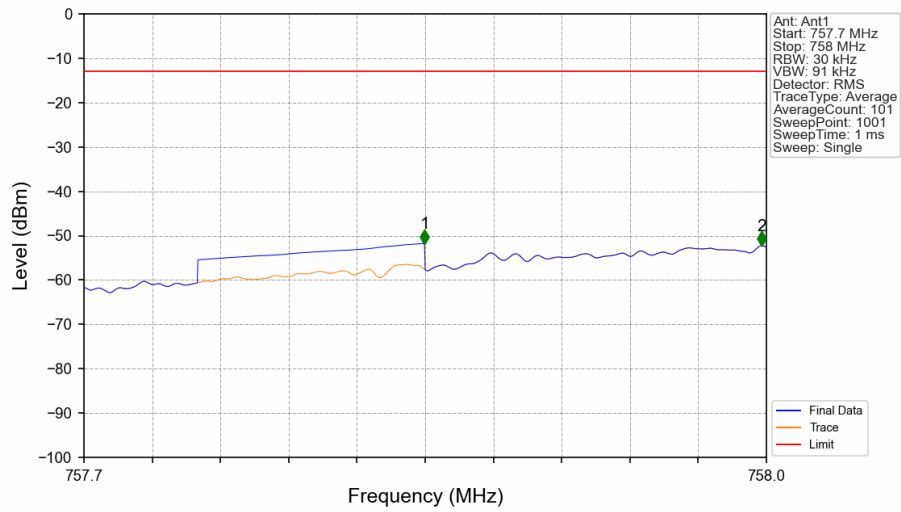
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.850	-49.34	-13	Pass
757.9	758	0.03	/	2	757.991	-48.99	-13	Pass

Band14_808MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



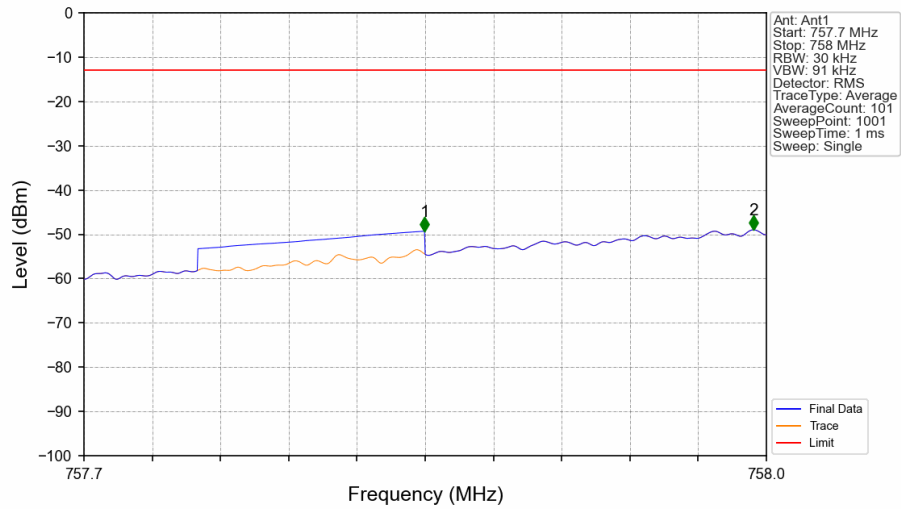
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.849	-45.70	-13	Pass
757.9	758	0.03	/	2	757.982	-45.15	-13	Pass

Band14_808MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



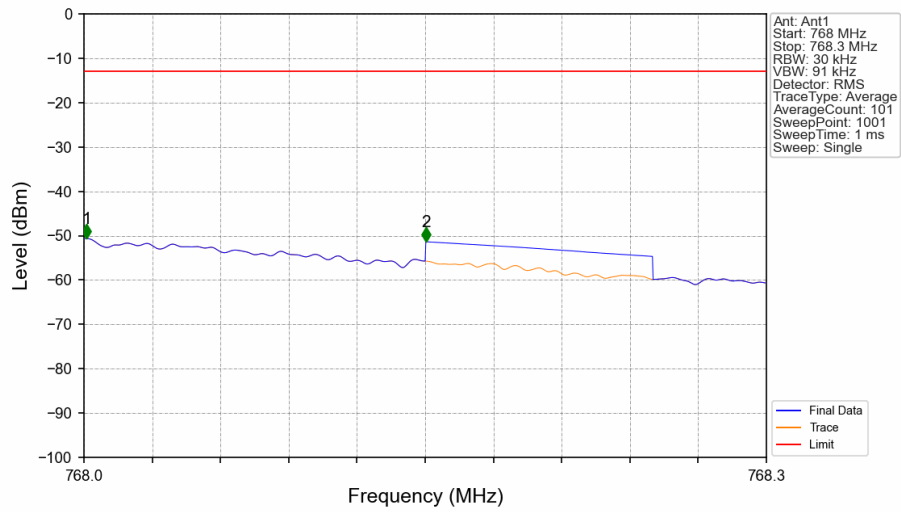
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.850	-51.77	-13	Pass
757.9	758	0.03	/	2	757.998	-52.26	-13	Pass

Band14_808MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



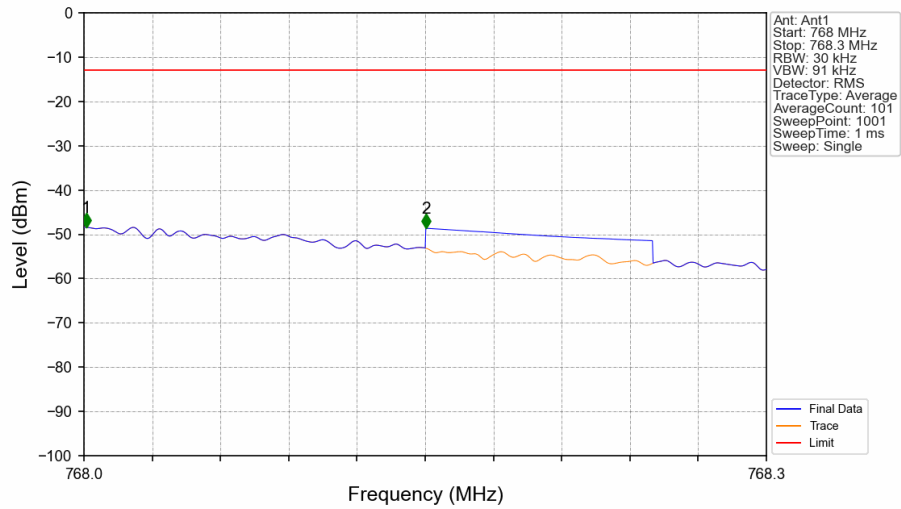
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
757.7	757.9	0.1	CHP	1	757.850	-49.31	-13	Pass
757.9	758	0.03	/	2	757.994	-48.99	-13	Pass

Band14_718MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



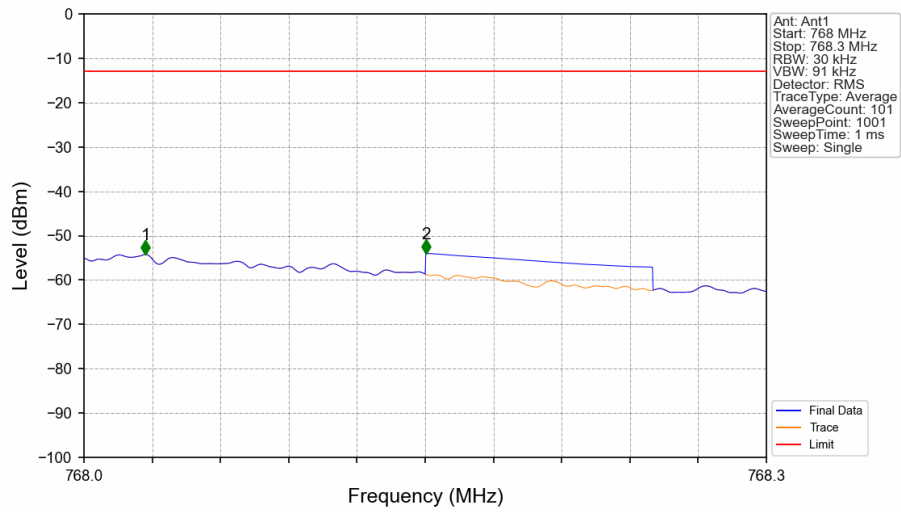
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.001	-50.65	-13	Pass
768.1	768.3	0.1	CHP	2	768.150	-51.38	-13	Pass

Band14_718MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



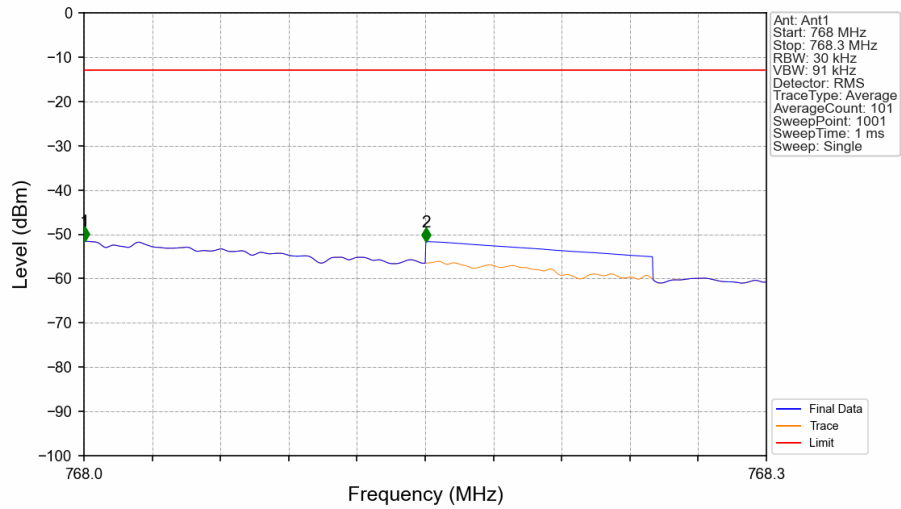
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.001	-48.44	-13	Pass
768.1	768.3	0.1	CHP	2	768.150	-48.65	-13	Pass

Band14_718MHz_Broad100MHz_SISO_Ant1_NTNV_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.027	-54.22	-13	Pass
768.1	768.3	0.1	CHP	2	768.150	-53.98	-13	Pass

Band14_718MHz_Broad100MHz_SISO_Ant1_NTNV_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
768	768.1	0.03	/	1	768.000	-51.55	-13	Pass
768.1	768.3	0.1	CHP	2	768.150	-51.65	-13	Pass

6. Spurious emissions

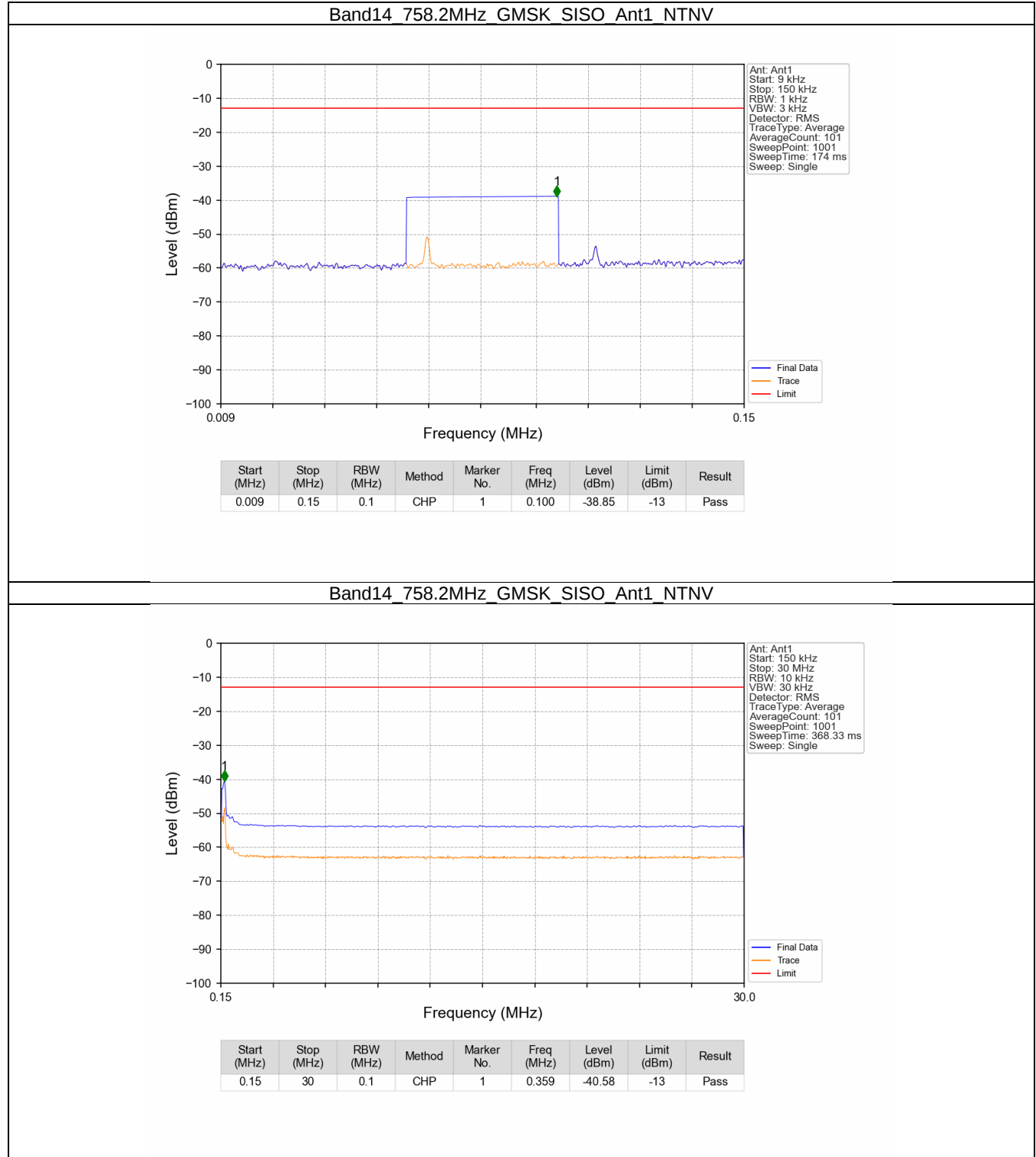
6.1 Test Result

6.1.1 Band14

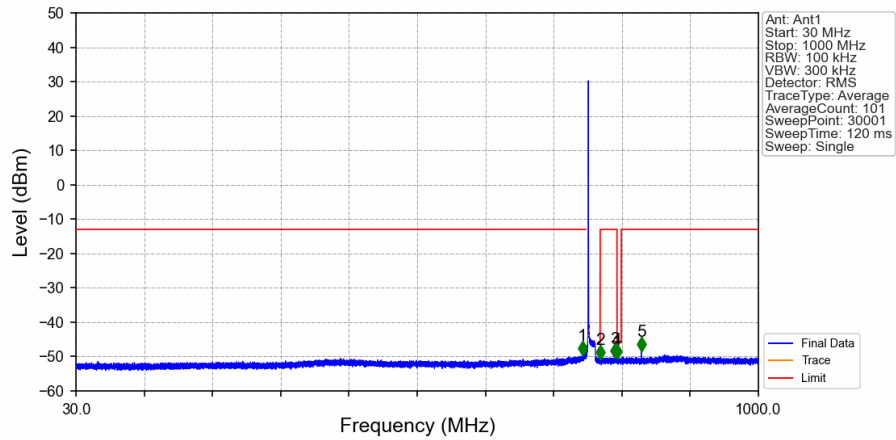
Band: 14 / NTNV								
Signal			Channel	TX Type	ANT	SE (dBm)		Verdict
Type	Level (dBm)	Frequency (MHz)				Result	Limit	
GMSK 0.2MHz	-0.3	758.2	LCH	SISO	1	Refer To Test Graph	Pass	
		763	MCH	SISO	1	Refer To Test Graph	Pass	
		767.8	HCH	SISO	1	Refer To Test Graph	Pass	
AWGN 5MHz	-0.3	760.5	LCH	SISO	1	Refer To Test Graph	Pass	
		763	MCH	SISO	1	Refer To Test Graph	Pass	
		765.5	HCH	SISO	1	Refer To Test Graph	Pass	
AWGN 100MHz	-0.3	808	LCH	SISO	1	Refer To Test Graph	Pass	
		763	MCH	SISO	1	Refer To Test Graph	Pass	
		718	HCH	SISO	1	Refer To Test Graph	Pass	

6.2 Test Graph

6.2.1 Band14

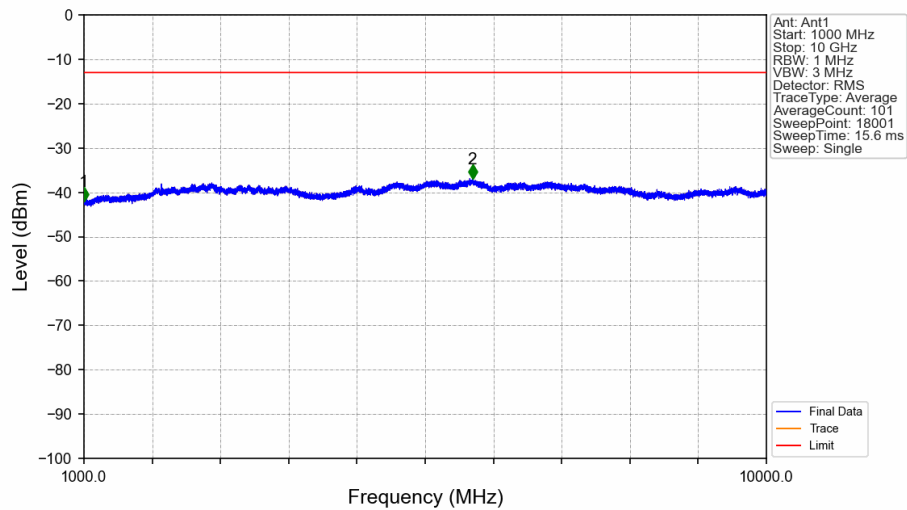


Band14_758.2MHz_GMSK_SISO_Ant1_NTNV



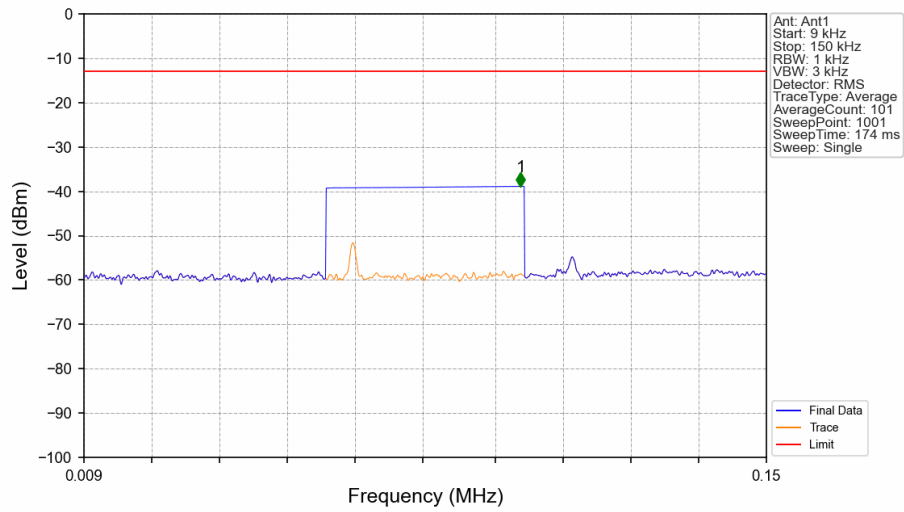
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	757.9	0.1	/	1	749.675	-49.22	-13	Pass
757.9	771.3	0.1	/	/	/	/	/	/
771.3	775	0.1	/	2	774.992	-50.40	-46	Pass
775	799	0.1	/	3	796.268	-50.08	-13	Pass
799	805	0.1	/	4	799.210	-50.18	-46	Pass
805	1000	0.1	/	5	833.580	-48.01	-13	Pass

Band14_758.2MHz_GMSK_SISO_Ant1_NTNV



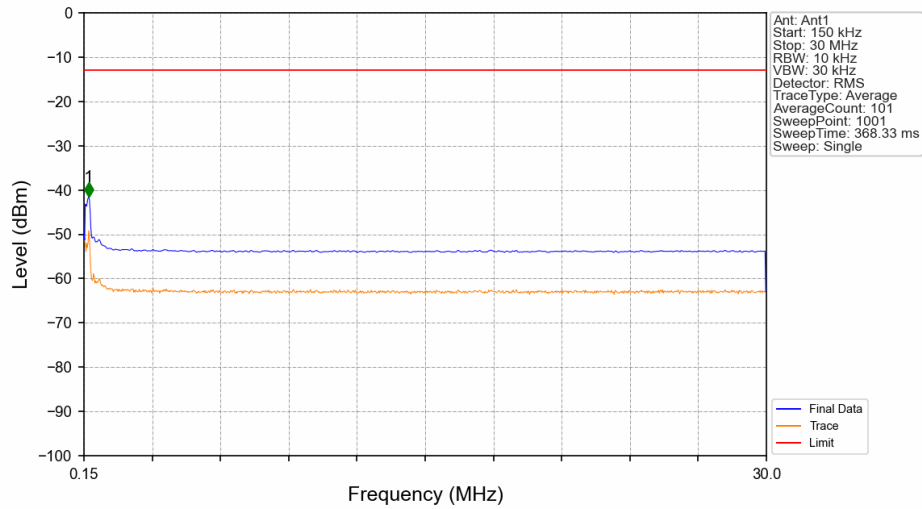
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-41.97	-13	Pass
1000	10000	1	/	2	6123.500	-36.85	-13	Pass

Band14_763MHz_GMSK_SISO_Ant1_NTNV



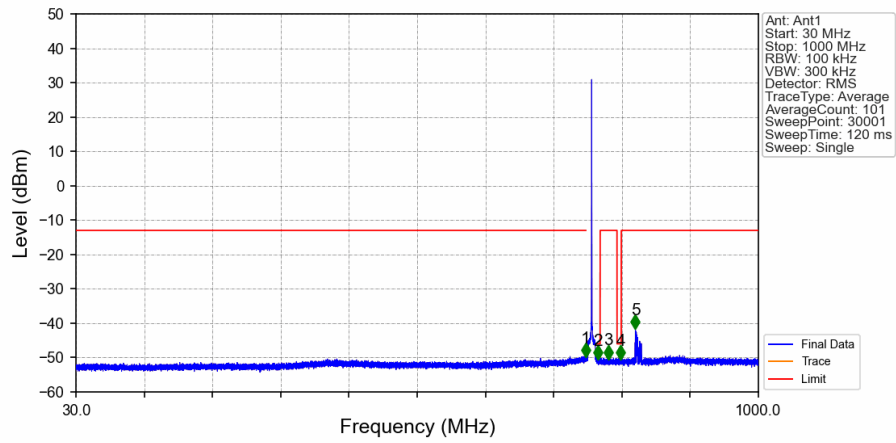
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.009	0.15	0.1	CHP	1	0.099	-38.89	-13	Pass

Band14_763MHz_GMSK_SISO_Ant1_NTNV



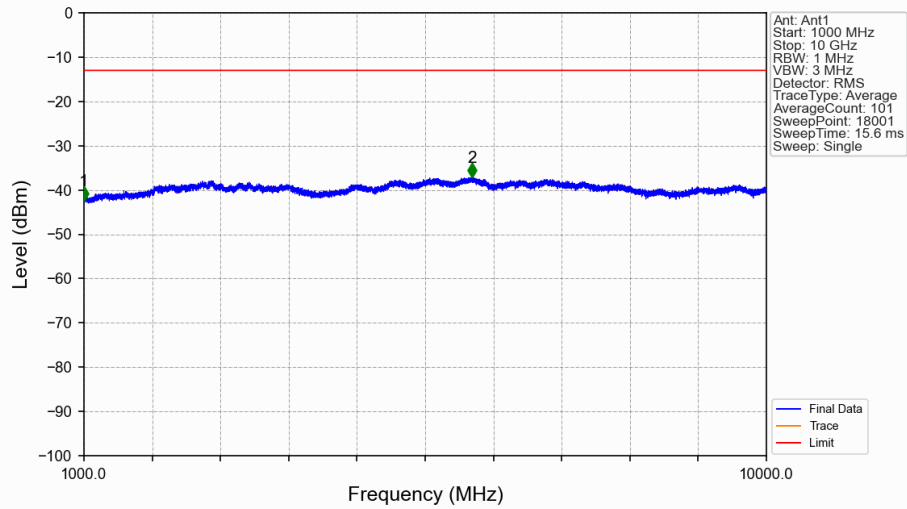
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.15	30	0.1	CHP	1	0.359	-41.56	-13	Pass

Band14_763MHz_GMSK_SISO_Ant1_NTNV



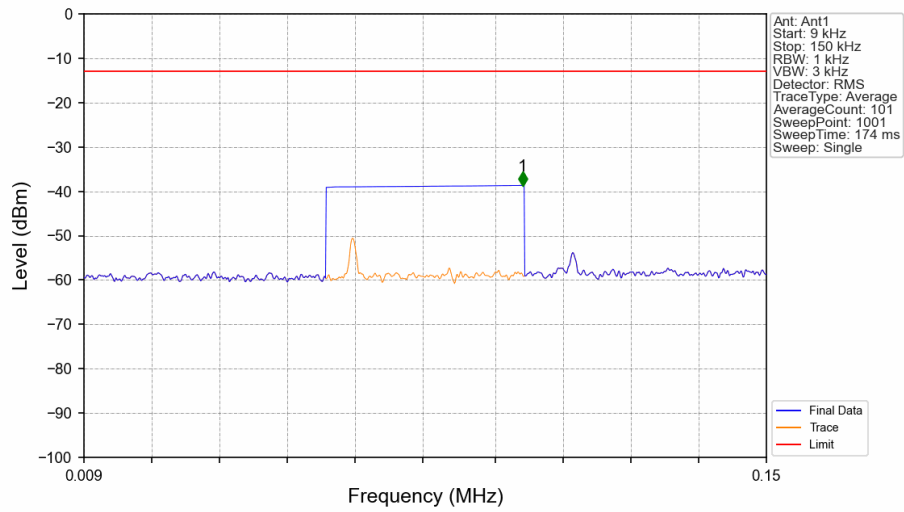
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	757.9	0.1	/	1	754.558	-49.55	-13	Pass
757.9	771.3	0.1	/	/	/	/	/	/
771.3	775	0.1	/	2	771.953	-50.18	-46	Pass
775	799	0.1	/	3	786.244	-50.13	-13	Pass
799	805	0.1	/	4	804.416	-50.23	-46	Pass
805	1000	0.1	/	5	825.141	-41.27	-13	Pass

Band14_763MHz_GMSK_SISO_Ant1_NTNV

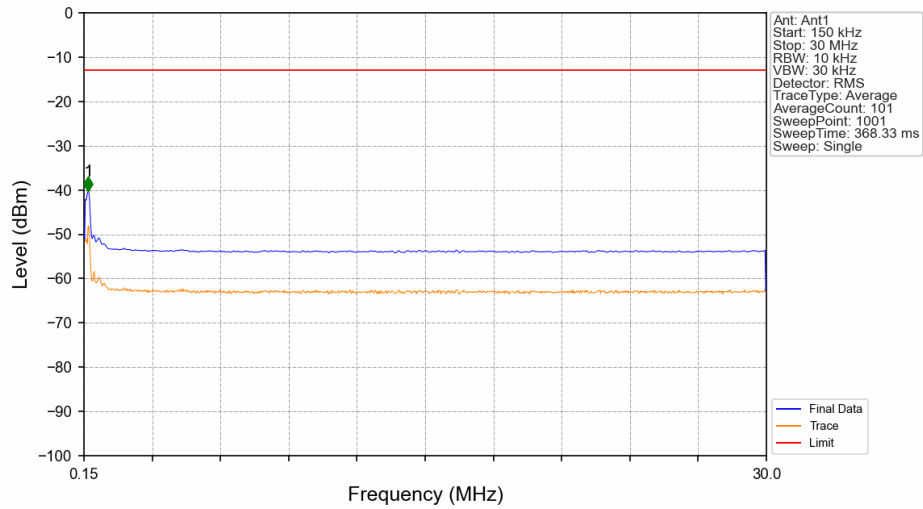


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-42.31	-13	Pass
1000	10000	1	/	2	6118.500	-37.07	-13	Pass

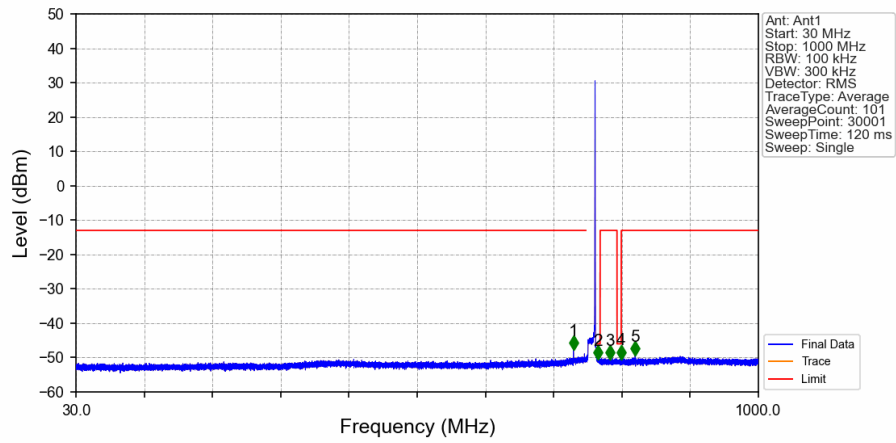
Band14_767.8MHz_GMSK_SISO_Ant1_NTNV



Band14_767.8MHz_GMSK_SISO_Ant1_NTNV

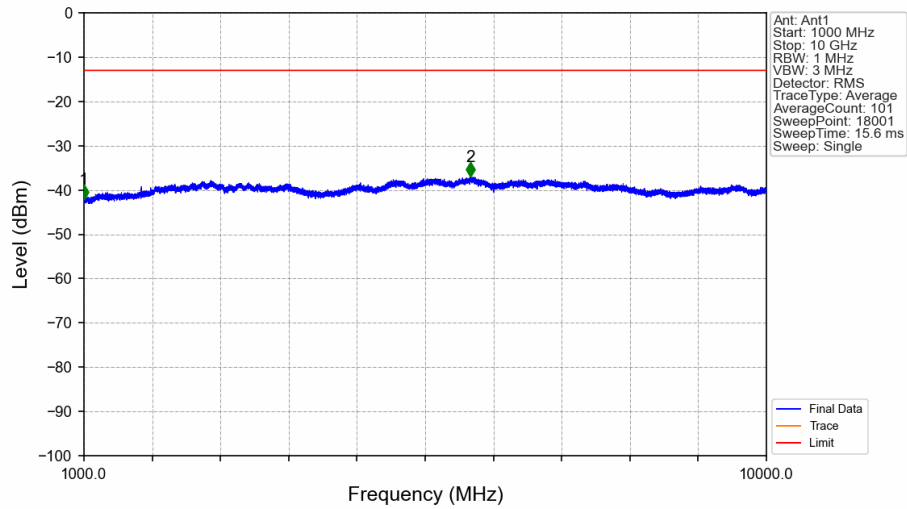


Band14_767.8MHz_GMSK_SISO_Ant1_NTNV



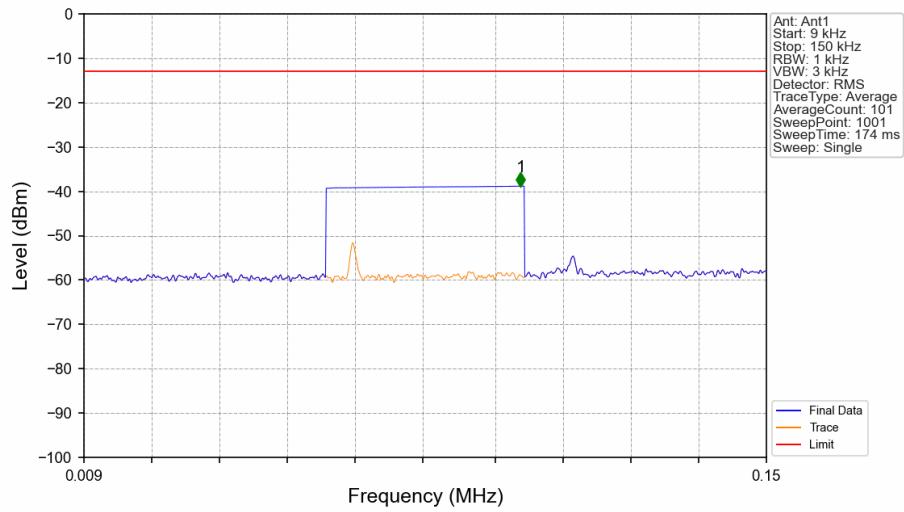
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	757.9	0.1	/	1	737.065	-47.49	-13	Pass
757.9	771.3	0.1	/	/	/	/	/	/
771.3	775	0.1	/	2	772.018	-50.25	-46	Pass
775	799	0.1	/	3	789.445	-50.29	-13	Pass
799	805	0.1	/	4	804.901	-50.15	-46	Pass
805	1000	0.1	/	5	824.786	-49.15	-13	Pass

Band14_767.8MHz_GMSK_SISO_Ant1_NTNV



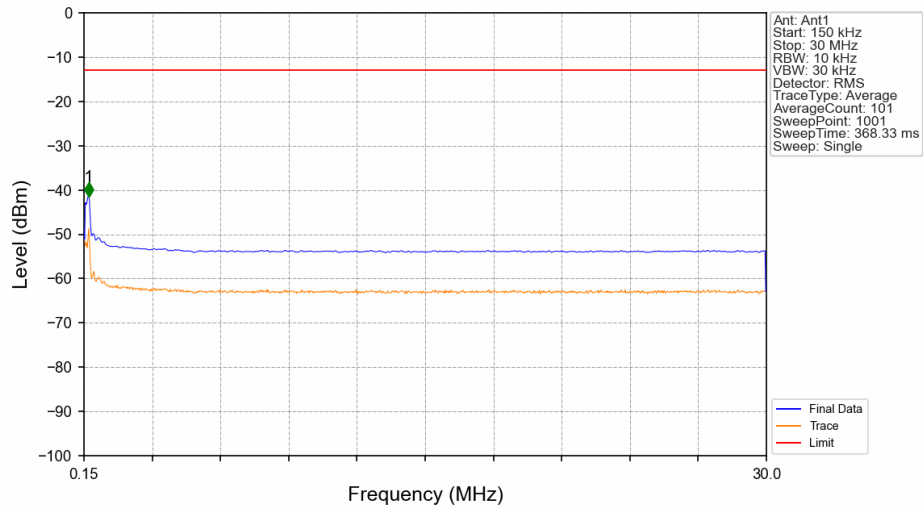
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-42.11	-13	Pass
1000	10000	1	/	2	6097.500	-36.93	-13	Pass

Band14_760.5MHz_AWGN_SISO_Ant1_NTNV



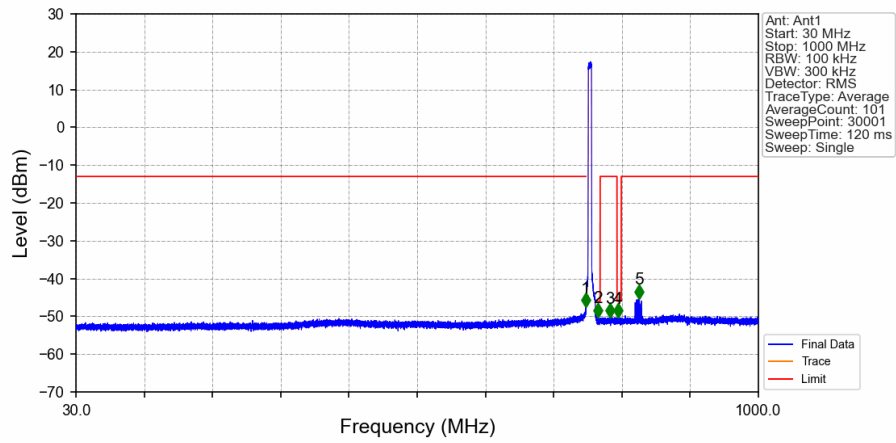
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.009	0.15	0.1	CHP	1	0.099	-38.84	-13	Pass

Band14_760.5MHz_AWGN_SISO_Ant1_NTNV



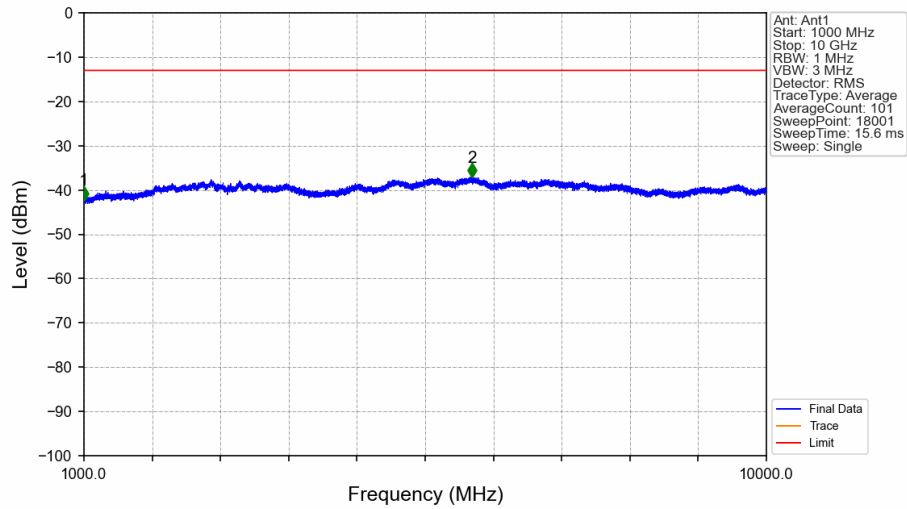
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.15	30	0.1	CHP	1	0.359	-41.40	-13	Pass

Band14_760.5MHz_AWGN_SISO_Ant1_NTNV



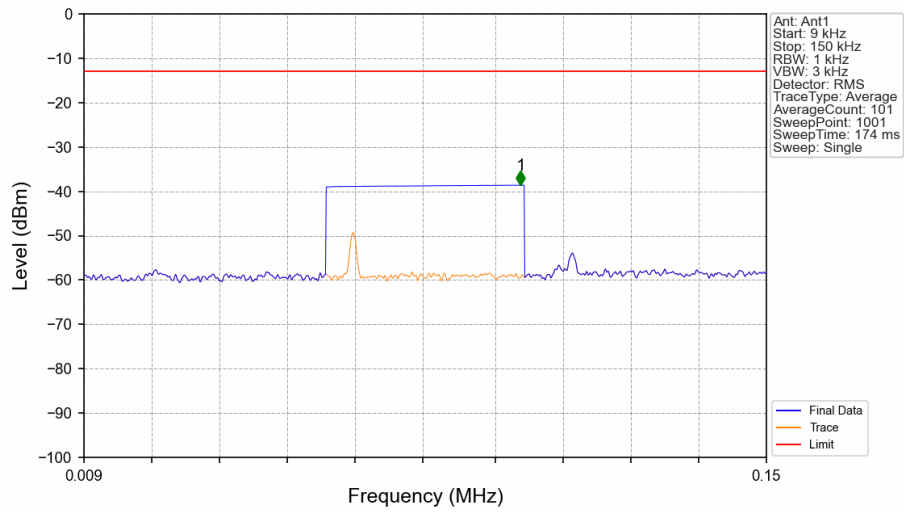
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	757.9	0.1	/	1	754.590	-47.21	-13	Pass
757.9	771.3	0.1	/	/	/	/	/	/
771.3	775	0.1	/	2	771.759	-49.91	-46	Pass
775	799	0.1	/	3	788.572	-49.98	-13	Pass
799	805	0.1	/	4	800.212	-49.98	-46	Pass
805	1000	0.1	/	5	829.991	-45.00	-13	Pass

Band14_760.5MHz_AWGN_SISO_Ant1_NTNV

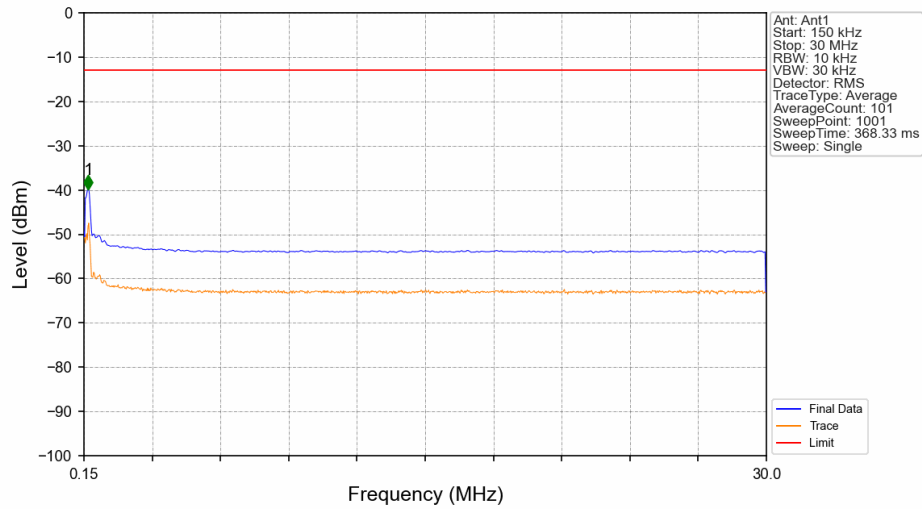


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-42.30	-13	Pass
1000	10000	1	/	2	6114.500	-37.05	-13	Pass

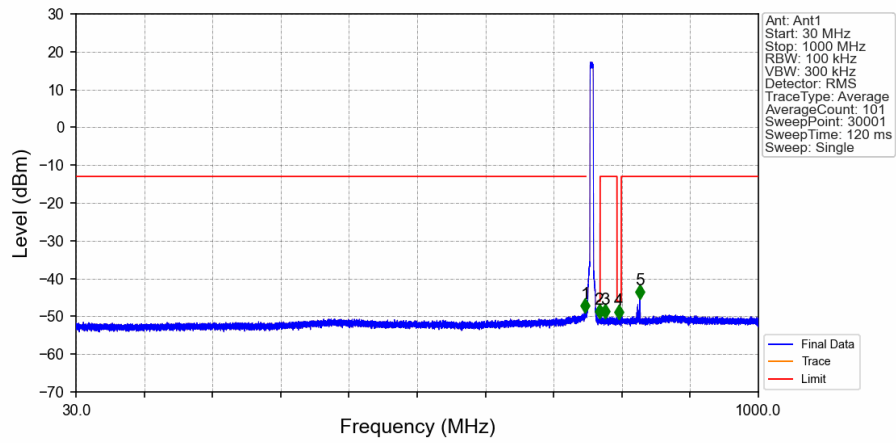
Band14_763MHz_AWGN_SISO_Ant1_NTNV



Band14_763MHz_AWGN_SISO_Ant1_NTNV

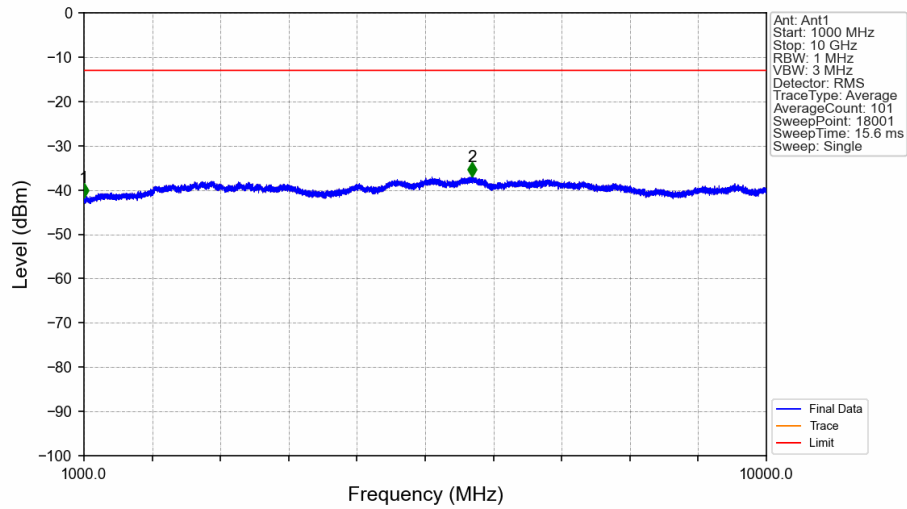


Band14_763MHz_AWGN_SISO_Ant1_NTNV



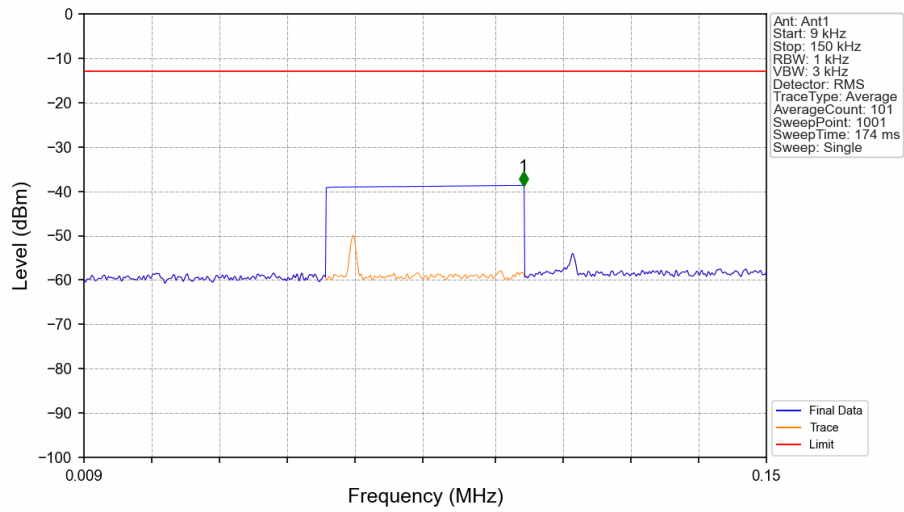
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	757.9	0.1	/	1	753.846	-48.73	-13	Pass
757.9	771.3	0.1	/	/	/	/	/	/
771.3	775	0.1	/	2	773.699	-50.21	-46	Pass
775	799	0.1	/	3	781.750	-50.24	-13	Pass
799	805	0.1	/	4	801.085	-50.46	-46	Pass
805	1000	0.1	/	5	831.576	-45.12	-13	Pass

Band14_763MHz_AWGN_SISO_Ant1_NTNV



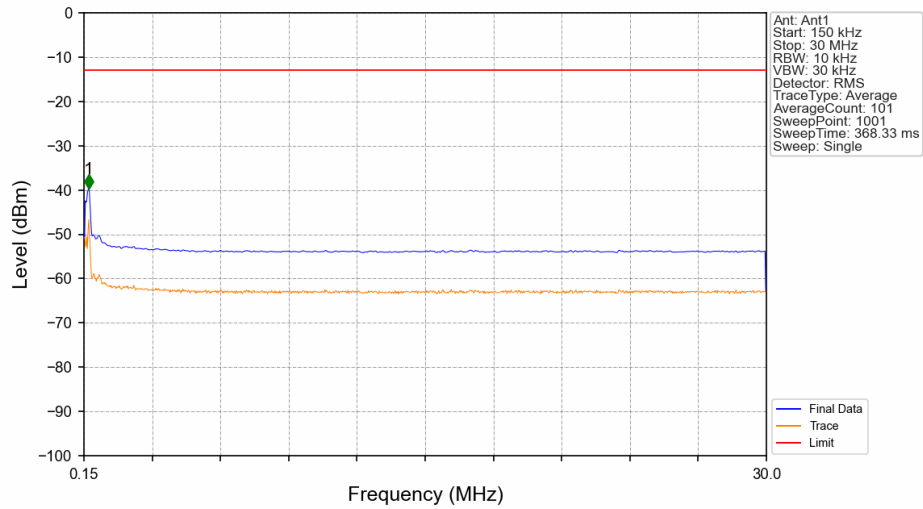
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-41.69	-13	Pass
1000	10000	1	/	2	6118.000	-36.97	-13	Pass

Band14_765.5MHz_AWGN_SISO_Ant1_NTNV



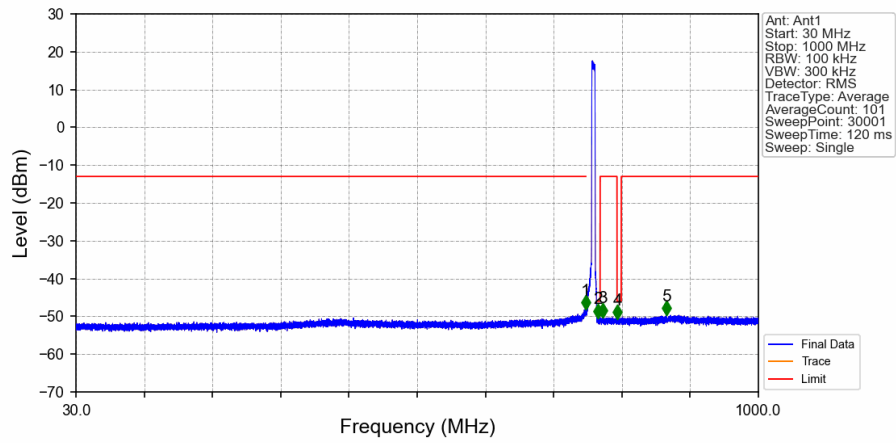
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.009	0.15	0.1	CHP	1	0.100	-38.68	-13	Pass

Band14_765.5MHz_AWGN_SISO_Ant1_NTNV



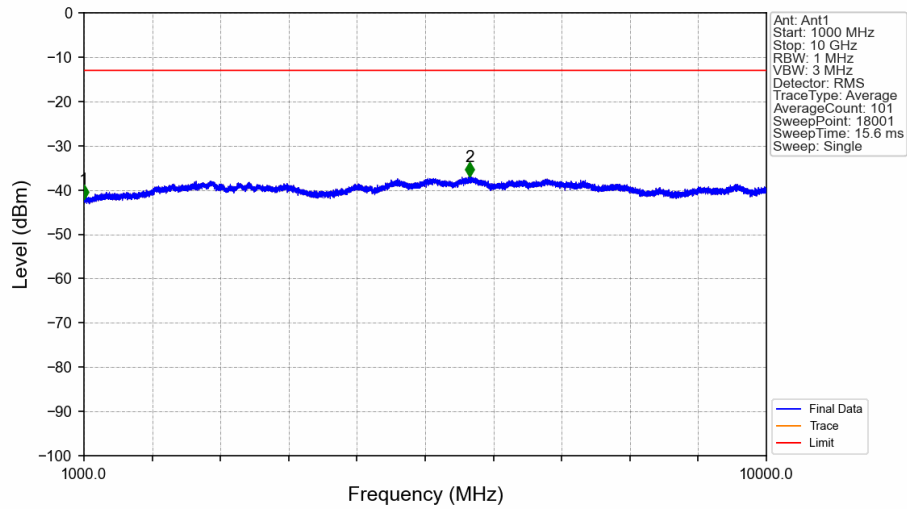
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.15	30	0.1	CHP	1	0.359	-39.65	-13	Pass

Band14_765.5MHz_AWGN_SISO_Ant1_NTNV



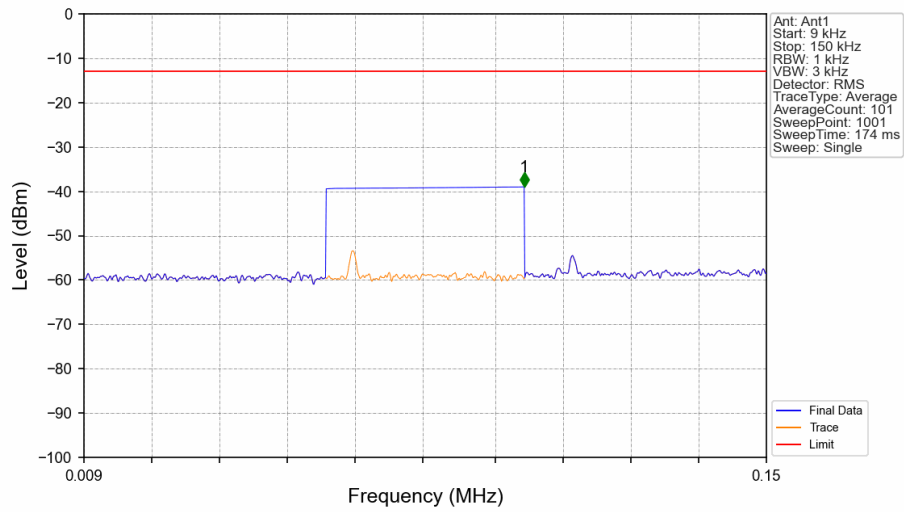
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	757.9	0.1	/	1	754.073	-47.85	-13	Pass
757.9	771.3	0.1	/	/	/	/	/	/
771.3	775	0.1	/	2	771.985	-50.11	-46	Pass
775	799	0.1	/	3	779.066	-49.94	-13	Pass
799	805	0.1	/	4	799.695	-50.48	-46	Pass
805	1000	0.1	/	5	868.824	-49.42	-13	Pass

Band14_765.5MHz_AWGN_SISO_Ant1_NTNV



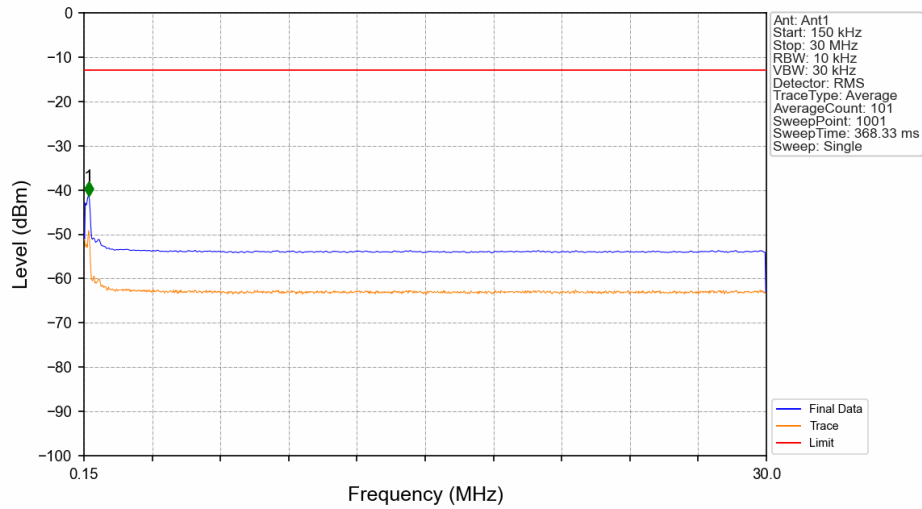
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-41.99	-13	Pass
1000	10000	1	/	2	6089.500	-36.95	-13	Pass

Band14_808MHz_Broad100MHz_SISO_Ant1_NTNV



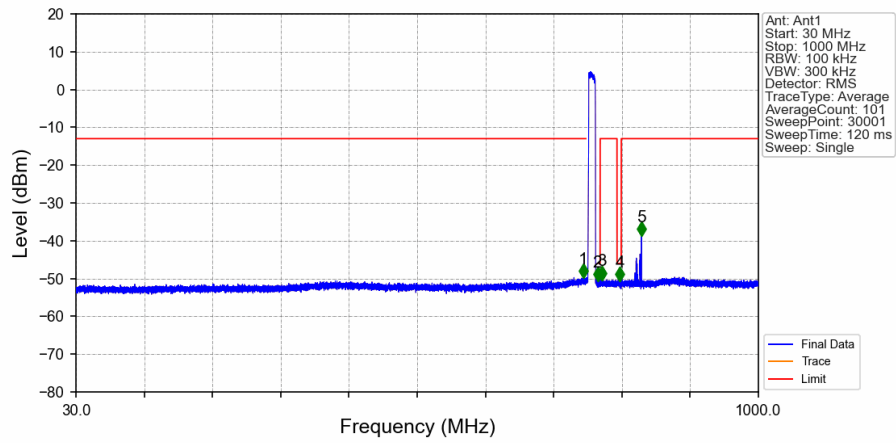
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.009	0.15	0.1	CHP	1	0.100	-39.01	-13	Pass

Band14_808MHz_Broad100MHz_SISO_Ant1_NTNV



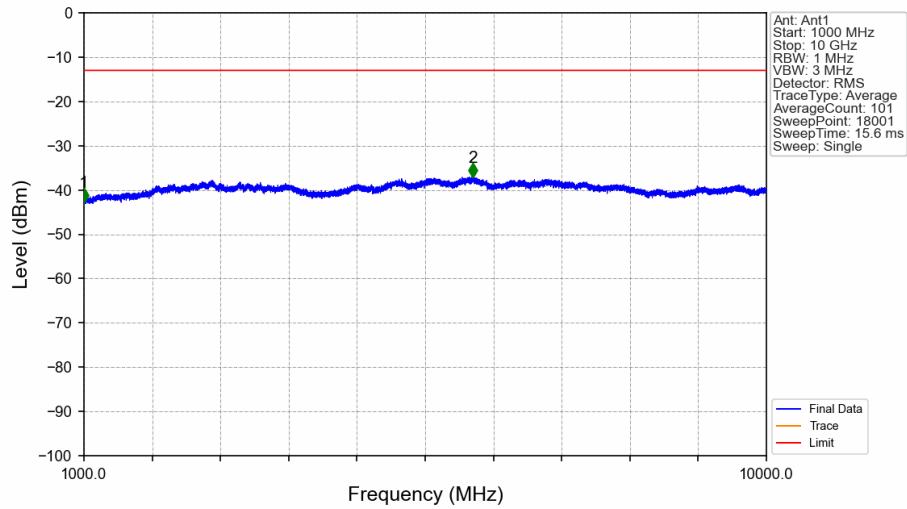
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.15	30	0.1	CHP	1	0.359	-41.24	-13	Pass

Band14_808MHz_Broad100MHz_SISO_Ant1_NTNV



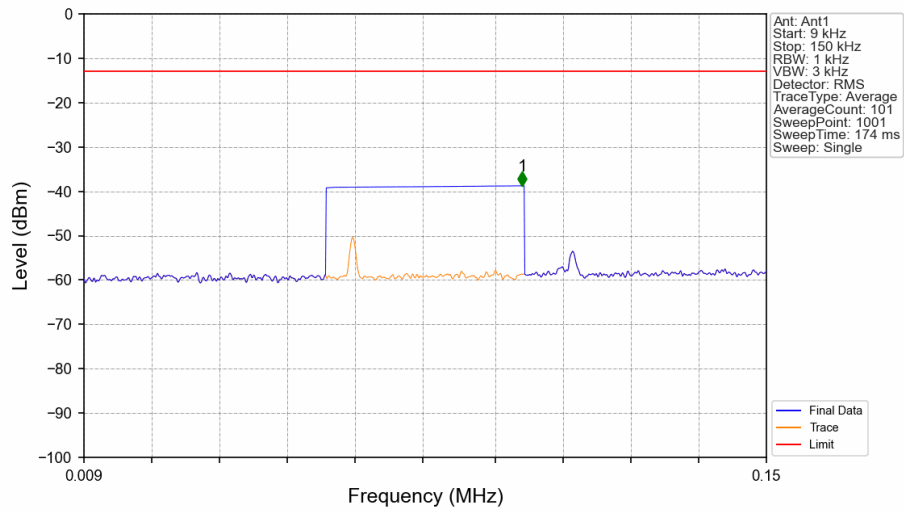
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	757.9	0.1	/	1	750.710	-49.51	-13	Pass
757.9	771.3	0.1	/	/	/	/	/	/
771.3	775	0.1	/	2	771.339	-50.48	-46	Pass
775	799	0.1	/	3	777.547	-50.12	-13	Pass
799	805	0.1	/	4	802.896	-50.48	-46	Pass
805	1000	0.1	/	5	833.645	-38.48	-13	Pass

Band14_808MHz_Broad100MHz_SISO_Ant1_NTNV

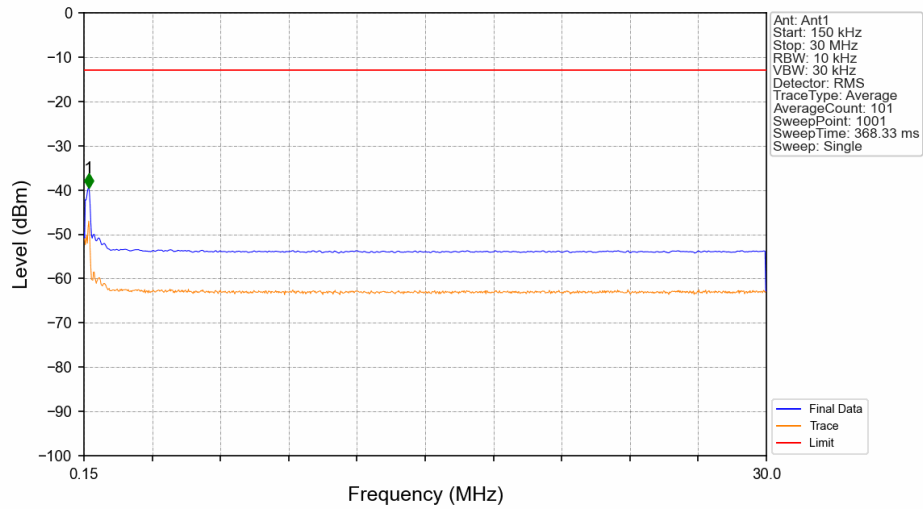


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-42.74	-13	Pass
1000	10000	1	/	2	6127.500	-37.05	-13	Pass

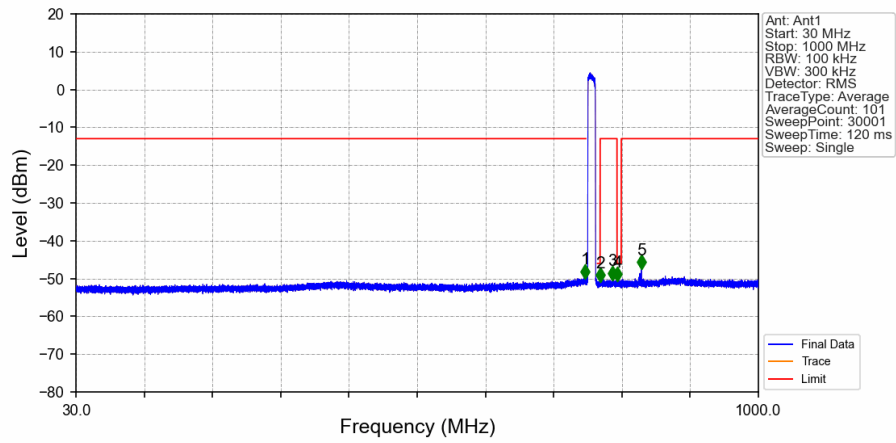
Band14_763MHz_Broad100MHz_SISO_Ant1_NTNV



Band14_763MHz_Broad100MHz_SISO_Ant1_NTNV

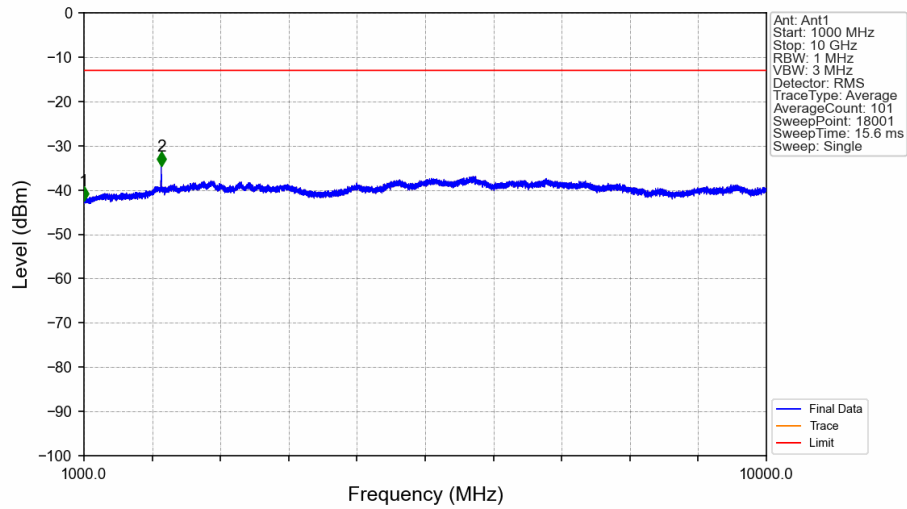


Band14_763MHz_Broad100MHz_SISO_Ant1_NTNV



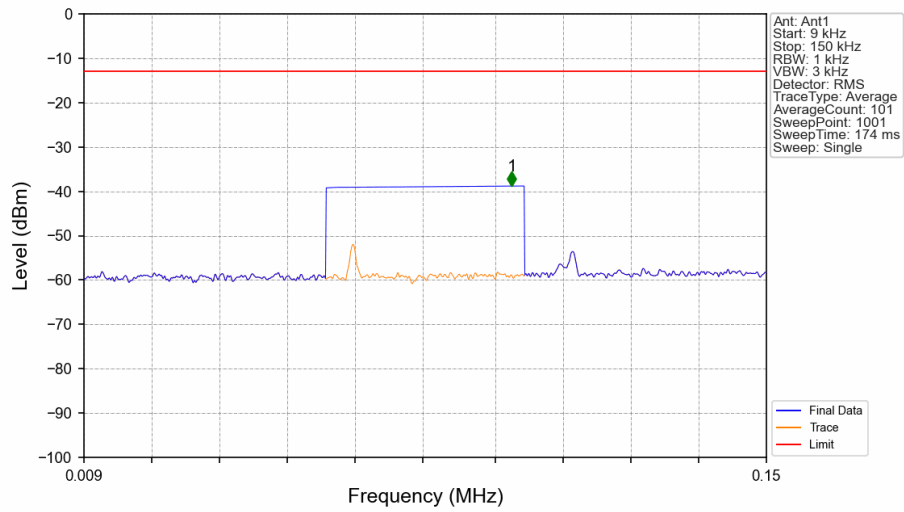
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	757.9	0.1	/	1	753.879	-49.69	-13	Pass
757.9	771.3	0.1	/	/	/	/	/	/
771.3	775	0.1	/	2	774.992	-50.64	-46	Pass
775	799	0.1	/	3	792.194	-50.08	-13	Pass
799	805	0.1	/	4	799.598	-50.43	-46	Pass
805	1000	0.1	/	5	833.613	-47.23	-13	Pass

Band14_763MHz_Broad100MHz_SISO_Ant1_NTNV

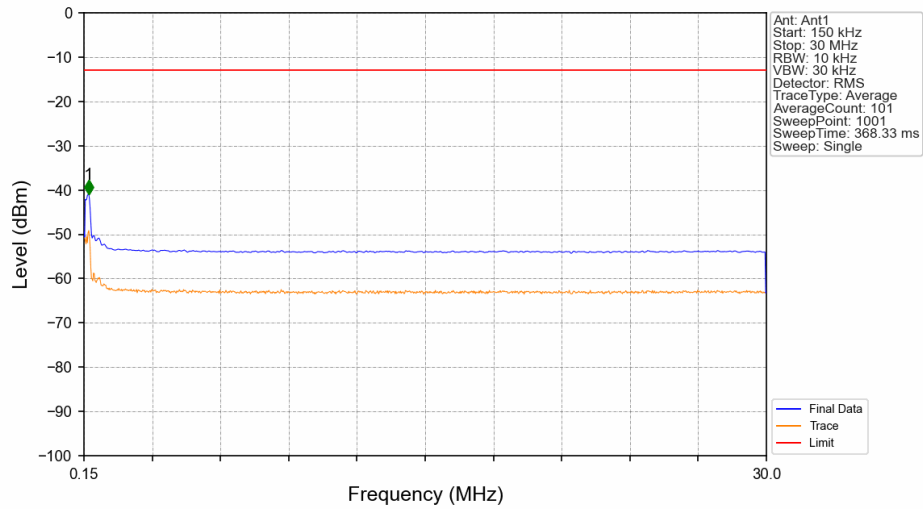


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-42.42	-13	Pass
1000	10000	1	/	2	2018.000	-34.63	-13	Pass

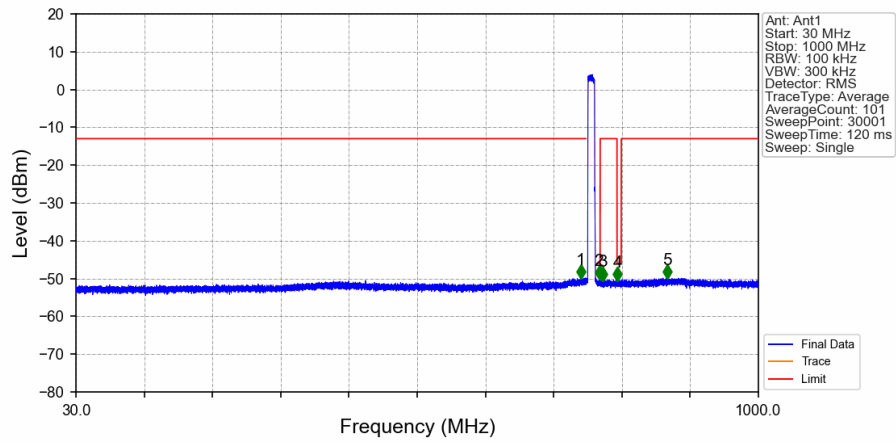
Band14_718MHz_Broad100MHz_SISO_Ant1_NTNV



Band14_718MHz_Broad100MHz_SISO_Ant1_NTNV

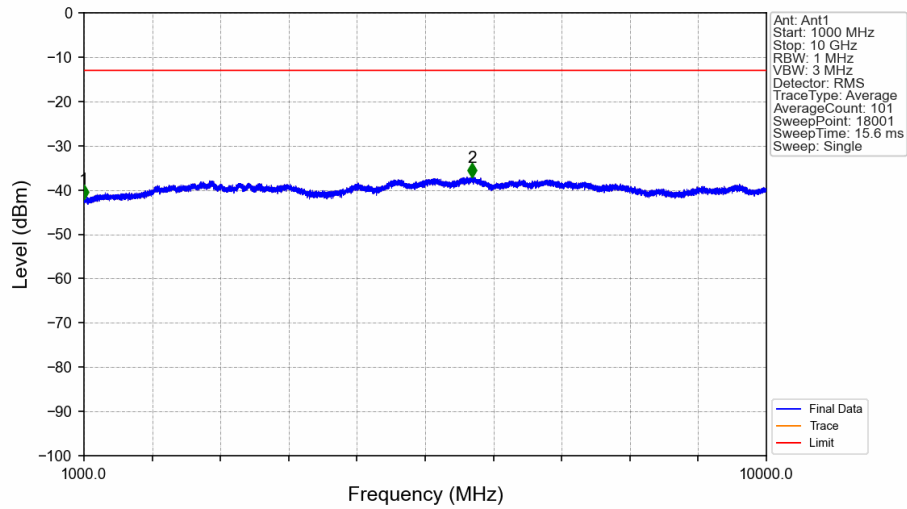


Band14_718MHz_Broad100MHz_SISO_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	757.9	0.1	/	1	747.638	-49.79	-13	Pass
757.9	771.3	0.1	/	/	/	/	/	/
771.3	775	0.1	/	2	773.634	-50.03	-46	Pass
775	799	0.1	/	3	778.290	-50.29	-13	Pass
799	805	0.1	/	4	799.533	-50.41	-46	Pass
805	1000	0.1	/	5	870.699	-49.72	-13	Pass

Band14_718MHz_Broad100MHz_SISO_Ant1_NTNV



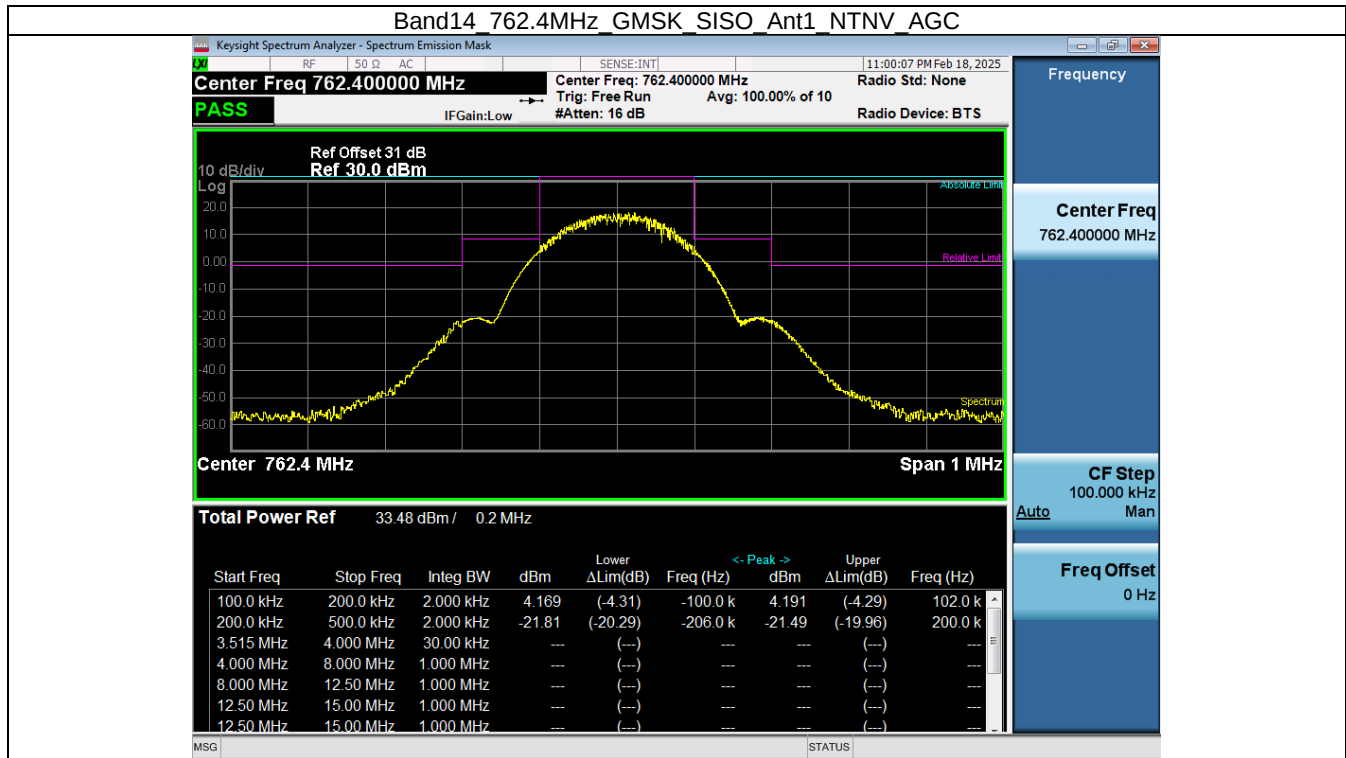
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	1000	1	/	1	1000.000	-42.10	-13	Pass
1000	10000	1	/	2	6121.000	-37.03	-13	Pass

7. Emission Mask

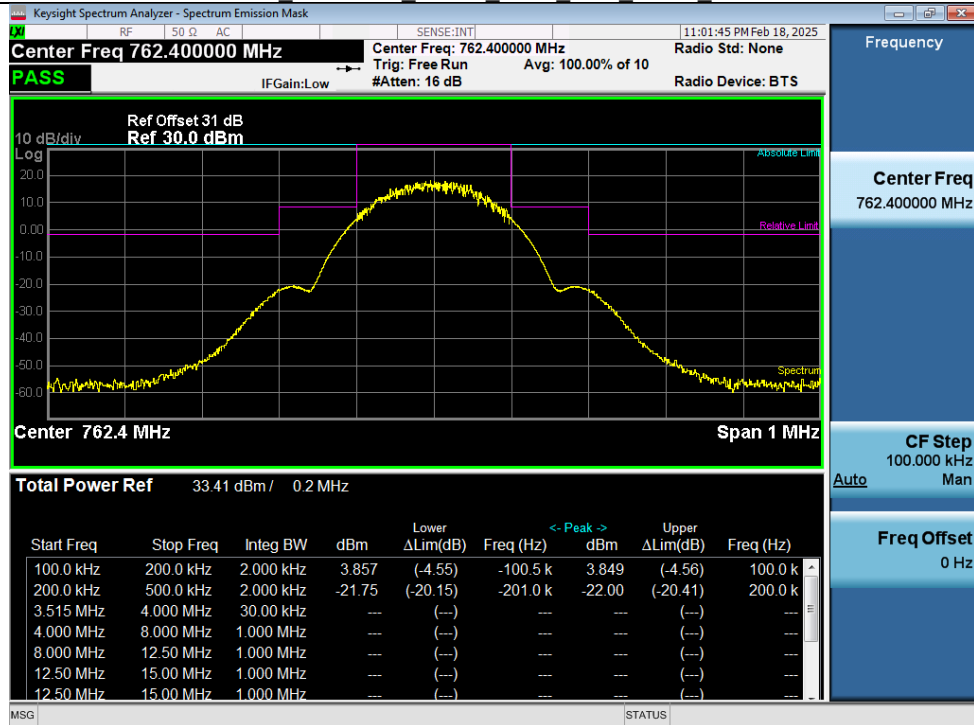
7.1 Band14_Ant1

7.1.1 Test Result

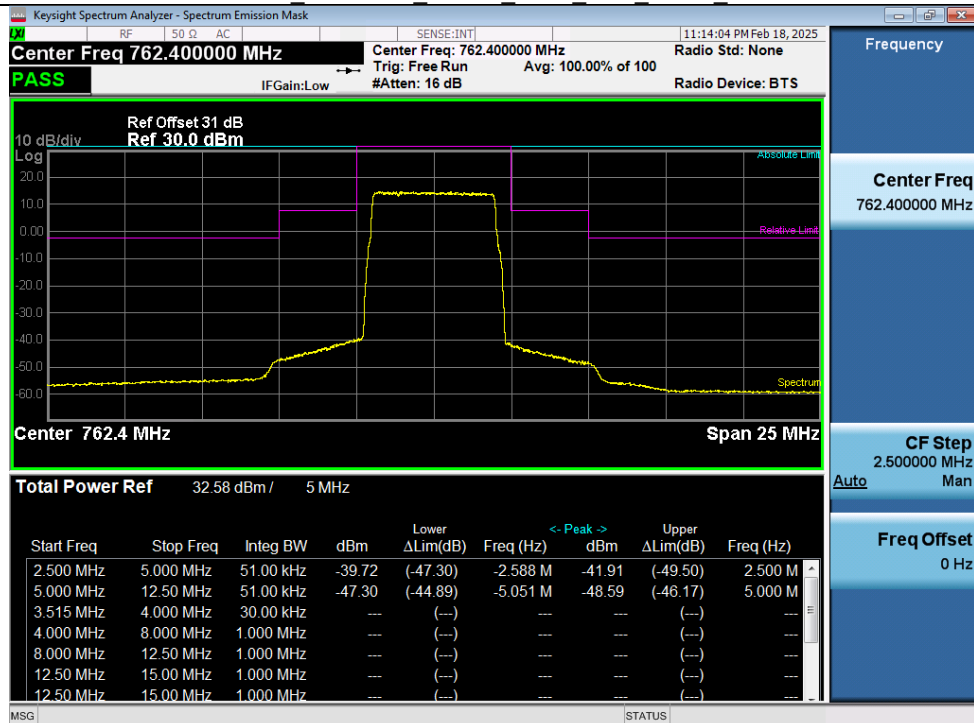
For LTE Band 14



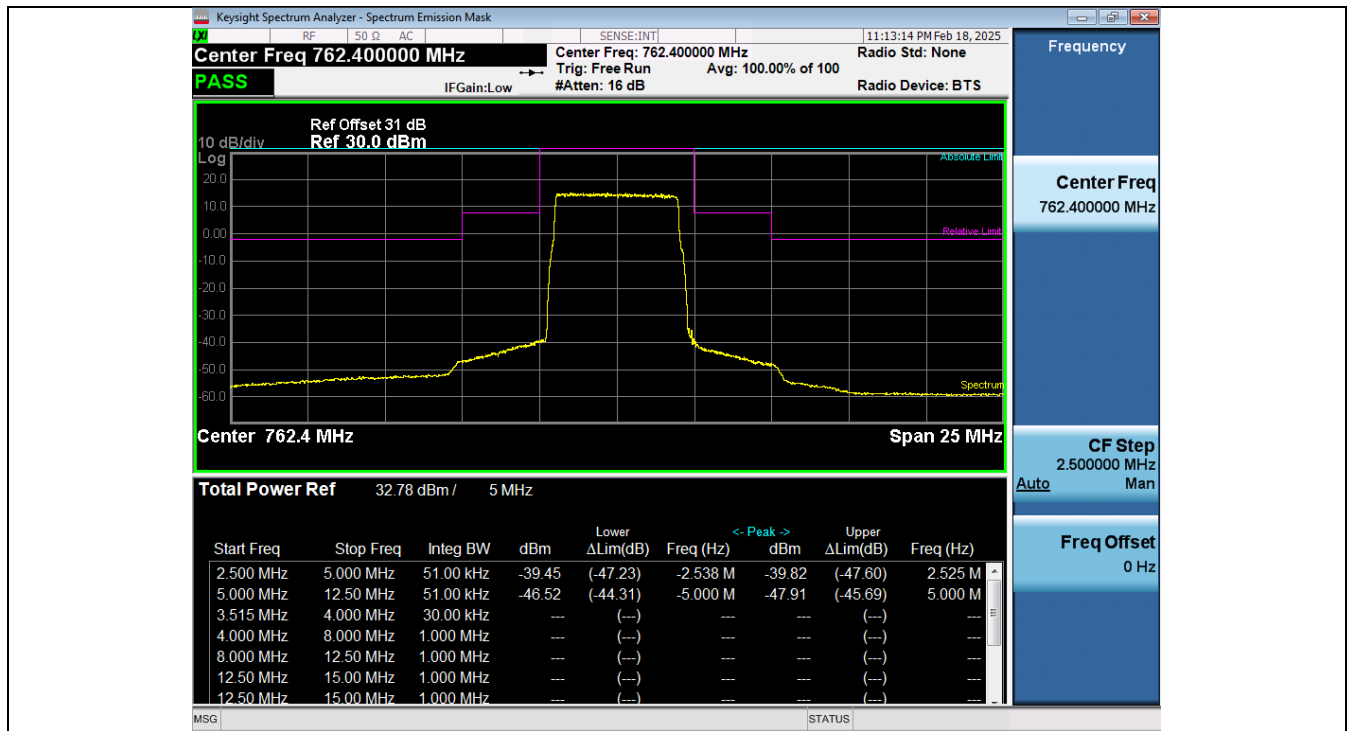
Band14 762.4MHz GSMK SISO Ant1 NTNv AGC+3



Band14 762.4MHz AWGN SISO Ant1 NTNv AGC



Band14 762.4MHz AWGN SISO Ant1 NTNv AGC+3



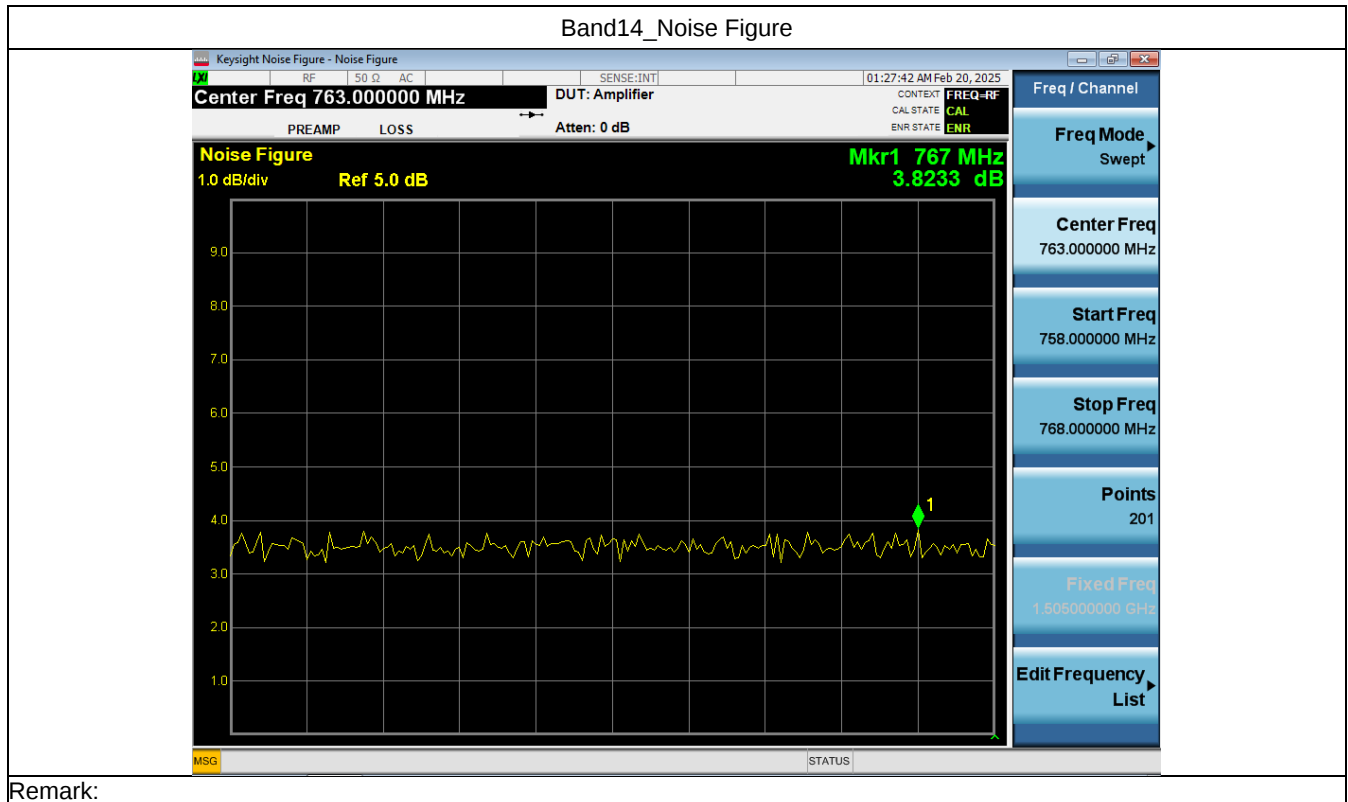
For NR n14



8. Noise/emission at Antenna Terminal

8.1 Band14_Ant1

8.1.1 Test Result



9. Frequency stability measurements

9.1 Test Result

9.1.1 Band14_Ant1

Band: 13 / NTNV							
Signal			Temp (°C)	Voltage (VAC)	Freq. Error (Hz)	Tolerance (ppm)	Verdict
Type	Level (dBm)	Frequency (MHz)					
CW	-0.3	758.1	20	102	11	0.0145	Pass
				120	13	0.0171	Pass
				138	9	0.01187	Pass
			-40	120	10	0.0132	Pass
			-30	120	12	0.0158	Pass
			-20	120	8	0.0106	Pass
			-10	120	4	0.0053	Pass
			0	120	5	0.0066	Pass
			10	120	11	0.0145	Pass
			30	120	12	0.0158	Pass
			40	120	10	0.0132	Pass
			50	120	11	0.0145	Pass
			55	120	9	0.0119	Pass
		763	20	102	8	0.0105	Pass
				120	10	0.0131	Pass
				138	11	0.0144	Pass
			-40	120	6	0.0079	Pass
			-30	120	7	0.0092	Pass
			-20	120	9	0.0118	Pass
			-10	120	10	0.0131	Pass
			0	120	12	0.0157	Pass
			10	120	10	0.0131	Pass
			30	120	11	0.0144	Pass
			40	120	9	0.0118	Pass
			50	120	8	0.0105	Pass
			55	120	12	0.0157	Pass
		767.9	20	102	11	0.0143	Pass
				120	10	0.0130	Pass
				138	8	0.0104	Pass
			-40	120	11	0.0143	Pass
			-30	120	8	0.0104	Pass
			-20	120	10	0.0130	Pass
			-10	120	12	0.0156	Pass
			0	120	13	0.0169	Pass
			10	120	10	0.0130	Pass
			30	120	8	0.0104	Pass
			40	120	9	0.0117	Pass
			50	120	7	0.0091	Pass
			55	120	7	0.0091	Pass

10. Radiated Spurious Emissions

10.1 Band14_Ant1

10.1.1 Test Result

GMSK 758.2MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
116.574	Horizontal	-69.09	-13	-56.09	Pass
388.882	Horizontal	-69.52	-13	-56.52	Pass
790.515	Horizontal	-69.17	-13	-56.17	Pass
2288.300	Horizontal	-60.80	-13	-47.80	Pass
3754.800	Horizontal	-63.51	-13	-50.51	Pass
5851.620	Horizontal	-69.77	-13	-56.77	Pass
90.844	Vertical	-68.05	-13	-55.05	Pass
363.412	Vertical	-63.84	-13	-50.84	Pass
784.115	Vertical	-66.40	-13	-53.40	Pass
1797.200	Vertical	-66.90	-13	-53.90	Pass
3654.800	Vertical	-61.71	-13	-48.71	Pass
5331.930	Vertical	-70.04	-13	-57.04	Pass

GMSK 763MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
114.644	Horizontal	-64.35	-13	-51.35	Pass
388.382	Horizontal	-70.56	-13	-57.56	Pass
773.425	Horizontal	-70.11	-13	-57.11	Pass
2092.900	Horizontal	-60.95	-13	-47.95	Pass
4173.400	Horizontal	-59.20	-13	-46.20	Pass
5578.420	Horizontal	-67.56	-13	-54.56	Pass
105.414	Vertical	-62.04	-13	-49.04	Pass
371.552	Vertical	-69.52	-13	-56.52	Pass
821.035	Vertical	-68.67	-13	-55.67	Pass
2406.000	Vertical	-61.99	-13	-48.99	Pass
3770.100	Vertical	-62.36	-13	-49.36	Pass
6499.150	Vertical	-64.74	-13	-51.74	Pass

GMSK 767.8MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
110.374	Horizontal	-66.17	-13	-53.17	Pass
406.752	Horizontal	-67.11	-13	-54.11	Pass
779.715	Horizontal	-64.48	-13	-51.48	Pass
2019.000	Horizontal	-64.44	-13	-51.44	Pass
3815.600	Horizontal	-61.80	-13	-48.80	Pass
5845.870	Horizontal	-64.55	-13	-51.55	Pass
107.734	Vertical	-67.92	-13	-54.92	Pass
388.992	Vertical	-67.25	-13	-54.25	Pass
816.965	Vertical	-69.94	-13	-56.94	Pass
2166.700	Vertical	-67.59	-13	-54.59	Pass
3749.900	Vertical	-61.78	-13	-48.78	Pass
6920.340	Vertical	-69.02	-13	-56.02	Pass

AWGN 760.5MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
106.154	Horizontal	-67.58	-13	-54.58	Pass
386.842	Horizontal	-69.96	-13	-56.96	Pass
789.695	Horizontal	-67.68	-13	-54.68	Pass
2439.500	Horizontal	-62.53	-13	-49.53	Pass
3791.100	Horizontal	-62.17	-13	-49.17	Pass
6466.880	Horizontal	-62.53	-13	-49.53	Pass
99.214	Vertical	-68.51	-13	-55.51	Pass
389.242	Vertical	-69.62	-13	-56.62	Pass
775.215	Vertical	-67.99	-13	-54.99	Pass
2587.900	Vertical	-63.17	-13	-50.17	Pass
3971.900	Vertical	-59.70	-13	-46.70	Pass
5635.470	Vertical	-65.16	-13	-52.16	Pass

AWGN 763MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
120.264	Horizontal	-62.50	-13	-49.50	Pass
399.412	Horizontal	-64.93	-13	-51.93	Pass
797.765	Horizontal	-63.02	-13	-50.02	Pass
2244.800	Horizontal	-66.09	-13	-53.09	Pass
3923.200	Horizontal	-59.90	-13	-46.90	Pass
6769.640	Horizontal	-62.36	-13	-49.36	Pass
100.974	Vertical	-63.15	-13	-50.15	Pass
374.522	Vertical	-65.19	-13	-52.19	Pass
792.325	Vertical	-69.11	-13	-56.11	Pass
2251.300	Vertical	-68.02	-13	-55.02	Pass
4219.200	Vertical	-65.24	-13	-52.24	Pass
6287.870	Vertical	-64.81	-13	-51.81	Pass

AWGN 765.5MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
110.054	Horizontal	-66.43	-13	-53.43	Pass
392.662	Horizontal	-67.46	-13	-54.46	Pass
778.465	Horizontal	-63.51	-13	-50.51	Pass
1773.800	Horizontal	-63.09	-13	-50.09	Pass
3634.500	Horizontal	-62.32	-13	-49.32	Pass
5624.810	Horizontal	-63.51	-13	-50.51	Pass
102.494	Vertical	-65.58	-13	-52.58	Pass
393.902	Vertical	-68.89	-13	-55.89	Pass
808.475	Vertical	-66.83	-13	-53.83	Pass
2091.200	Vertical	-67.96	-13	-54.96	Pass
4059.600	Vertical	-62.35	-13	-49.35	Pass
4828.630	Vertical	-67.23	-13	-54.23	Pass

100M 808MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
78.434	Horizontal	-65.57	-13	-52.57	Pass
398.162	Horizontal	-64.32	-13	-51.32	Pass
794.015	Horizontal	-68.79	-13	-55.79	Pass
2169.900	Horizontal	-66.84	-13	-53.84	Pass
3974.100	Horizontal	-62.44	-13	-49.44	Pass
5728.100	Horizontal	-62.97	-13	-49.97	Pass
119.444	Vertical	-64.64	-13	-51.64	Pass
408.062	Vertical	-66.41	-13	-53.41	Pass
782.955	Vertical	-67.22	-13	-54.22	Pass
2601.600	Vertical	-64.76	-13	-51.76	Pass
3718.000	Vertical	-62.60	-13	-49.60	Pass
6900.450	Vertical	-69.75	-13	-56.75	Pass

100M 763MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
80.844	Horizontal	-63.53	-13	-50.53	Pass
404.122	Horizontal	-70.03	-13	-57.03	Pass
776.005	Horizontal	-69.83	-13	-56.83	Pass
2044.600	Horizontal	-66.70	-13	-53.70	Pass
4244.700	Horizontal	-60.49	-13	-47.49	Pass
6662.330	Horizontal	-69.16	-13	-56.16	Pass
103.574	Vertical	-69.49	-13	-56.49	Pass
367.202	Vertical	-67.22	-13	-54.22	Pass
816.435	Vertical	-69.90	-13	-56.90	Pass
2157.600	Vertical	-63.26	-13	-50.26	Pass
3736.100	Vertical	-66.08	-13	-53.08	Pass
4979.400	Vertical	-64.21	-13	-51.21	Pass

100M 718MHz					
Frequency	Spurious Emission Polarization and Level		Limit	Over Limit	Verdict
MHz	Polarization	dBm	dBm	dB	
87.974	Horizontal	-68.31	-13	-55.31	Pass
376.972	Horizontal	-64.78	-13	-51.78	Pass
782.425	Horizontal	-66.63	-13	-53.63	Pass
2507.100	Horizontal	-67.28	-13	-54.28	Pass
4326.900	Horizontal	-60.62	-13	-47.62	Pass
7215.460	Horizontal	-68.05	-13	-55.05	Pass
124.014	Vertical	-68.95	-13	-55.95	Pass
377.272	Vertical	-64.54	-13	-51.54	Pass
820.205	Vertical	-63.21	-13	-50.21	Pass
2026.700	Vertical	-67.29	-13	-54.29	Pass
3995.800	Vertical	-60.28	-13	-47.28	Pass
6760.050	Vertical	-62.17	-13	-49.17	Pass