

Appendix for KSCR2211002212AT-LTE-Band13+5GNR-N13

1. Out of band rejection

1.1 Band13

1.1.1 Test Result

Band: 13 / NTNV							
Signal	Sweep Frequency Range (MHz)	TX Type	ANT	F0 (MHz)	FL (MHz)	FH (MHz)	Verdict
CW	726 - 776	SISO	1	749.550	745.750	756.350	Pass

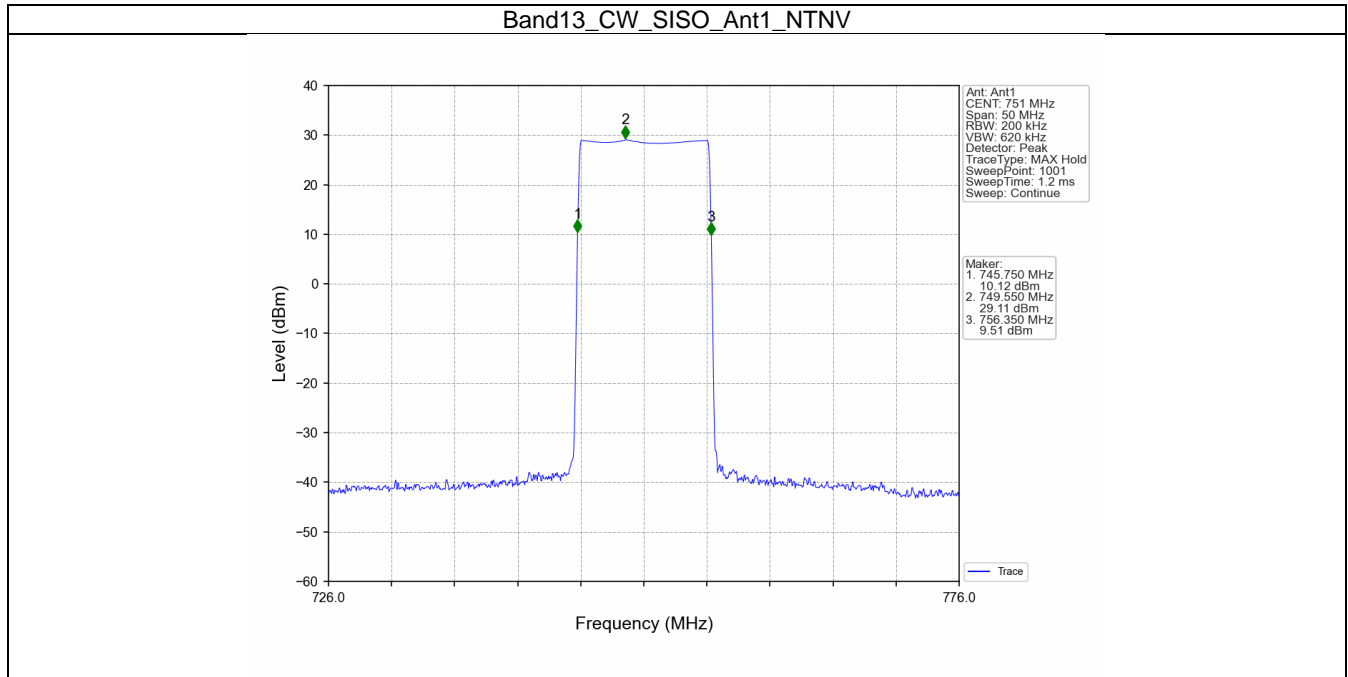


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1.1.2 Test Graph



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## 2. AGC threshold

### 2.1 Band13

#### 2.1.1 Test Result

Band: 13 / NTV					
Signal	Frequency (MHz)	TX Type	ANT	AGC Threshold (dBm)	Verdict
AWGN	749.55	SISO	1	0.30	Pass
GMSK	749.55	SISO	1	0.30	Pass



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### 3. Input-versus-output signal comparison

#### 3.1 Band13\_OBW

##### 3.1.1 Test Result

For LTE Band 13

Band: 13 / NTNV							
Type	Signal		TX Type	ANT	99% OBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	0.3	749.55	SISO	1	4.552	4.535	Pass
	3.3	749.55	SISO	1	4.555	4.533	Pass
GMSK	0.3	749.55	SISO	1	0.245	0.245	Pass
	3.3	749.55	SISO	1	0.244	0.246	Pass

For 5G NR N13

N13 / NTNV							
Type	Signal		TX Type	ANT	99% OBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	0.3	751	SISO	1	9.3511	9.3841	Pass
	3.3	751	SISO	1	9.3456	9.3851	Pass

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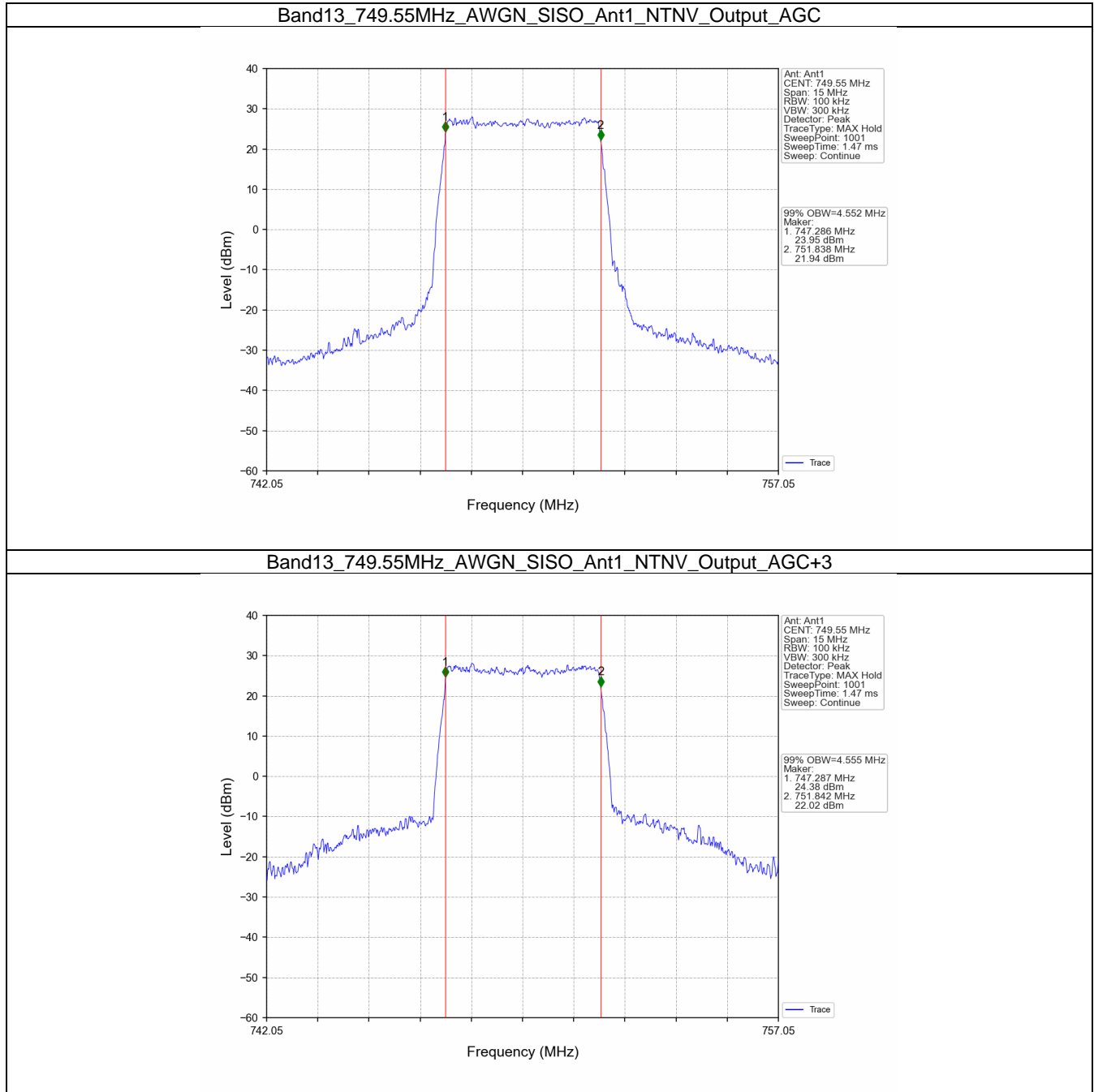
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3.1.2 Test Graph

For LTE Band 13



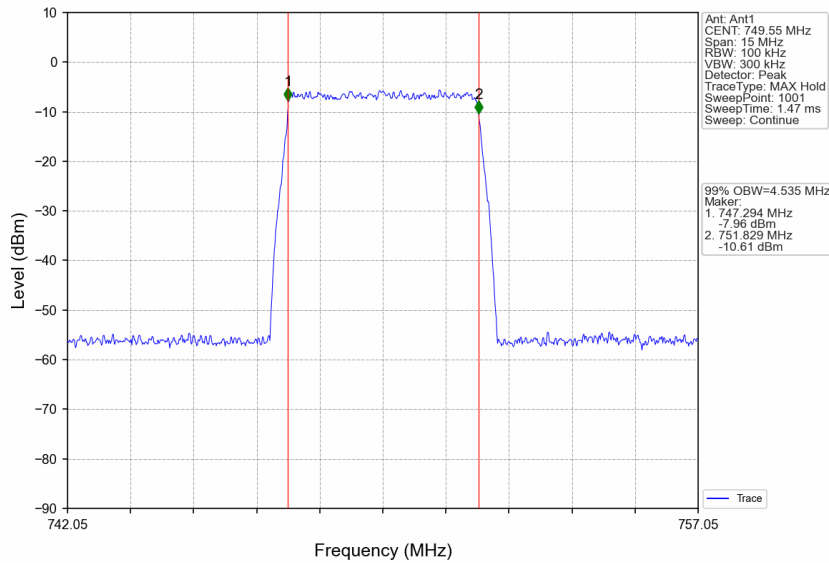
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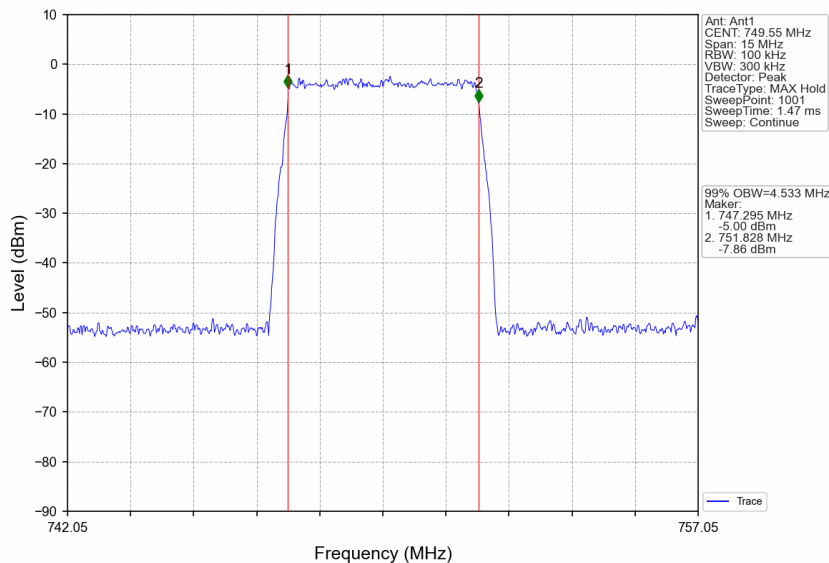
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Band13\_749.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC



Band13\_749.55MHz\_AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC+3



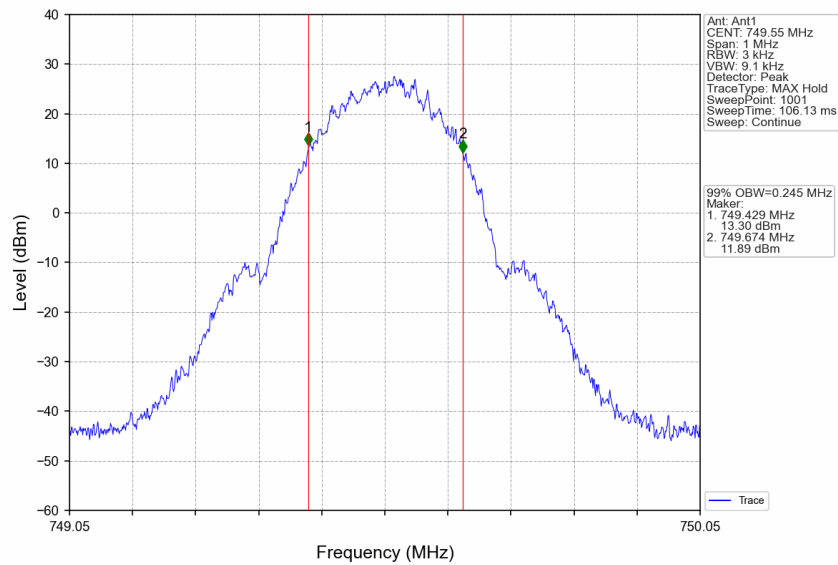
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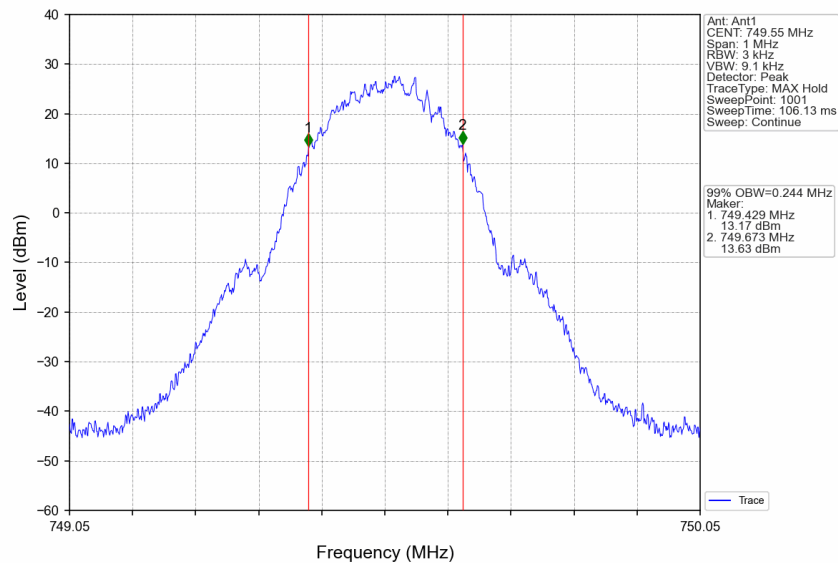
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Band13\_749.55MHz\_GMSK\_SISO\_Ant1\_NTNV\_Output\_AGC



Band13\_749.55MHz\_GMSK\_SISO\_Ant1\_NTNV\_Output\_AGC+3

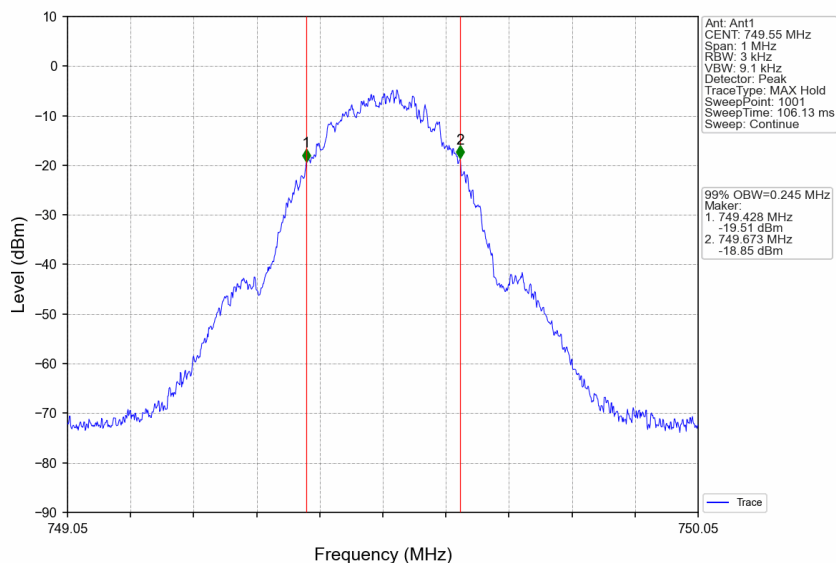


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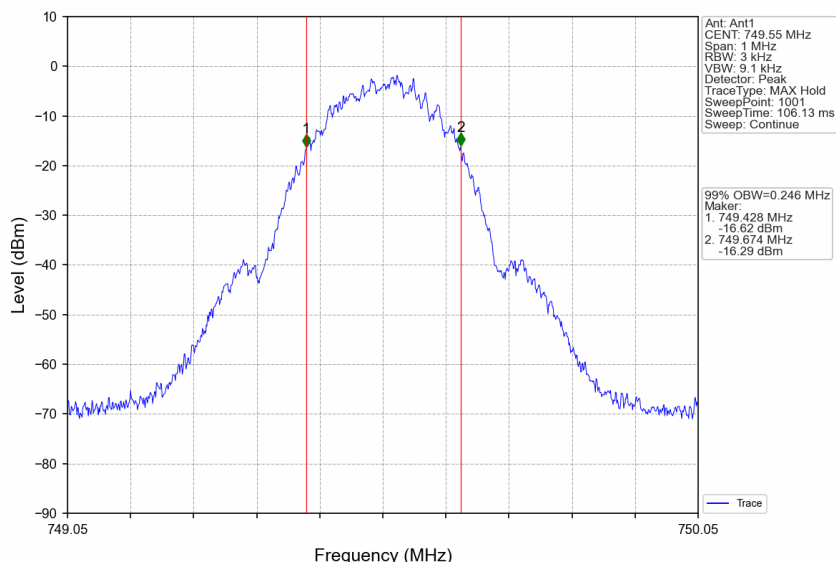
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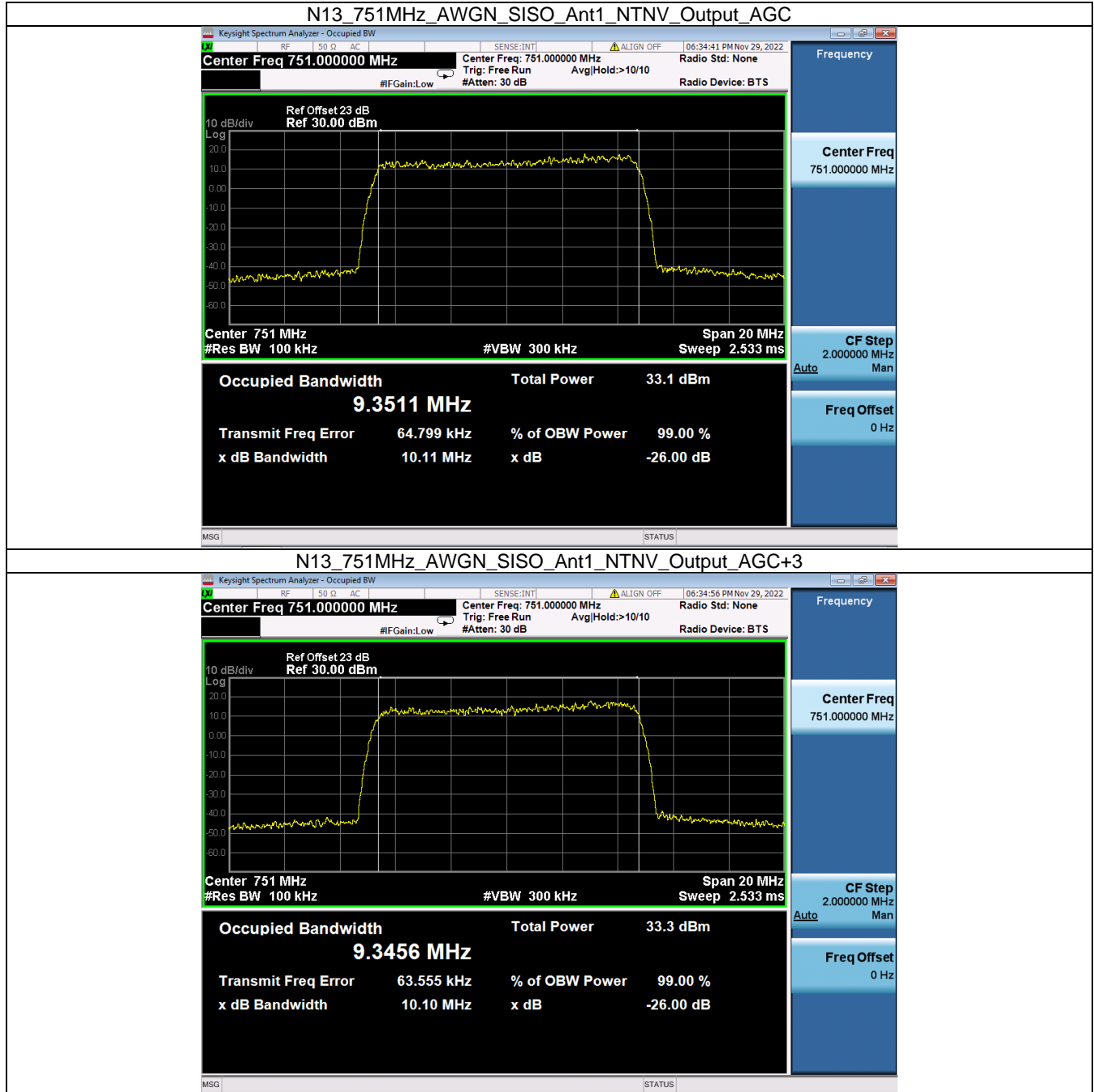
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For 5GNR N13



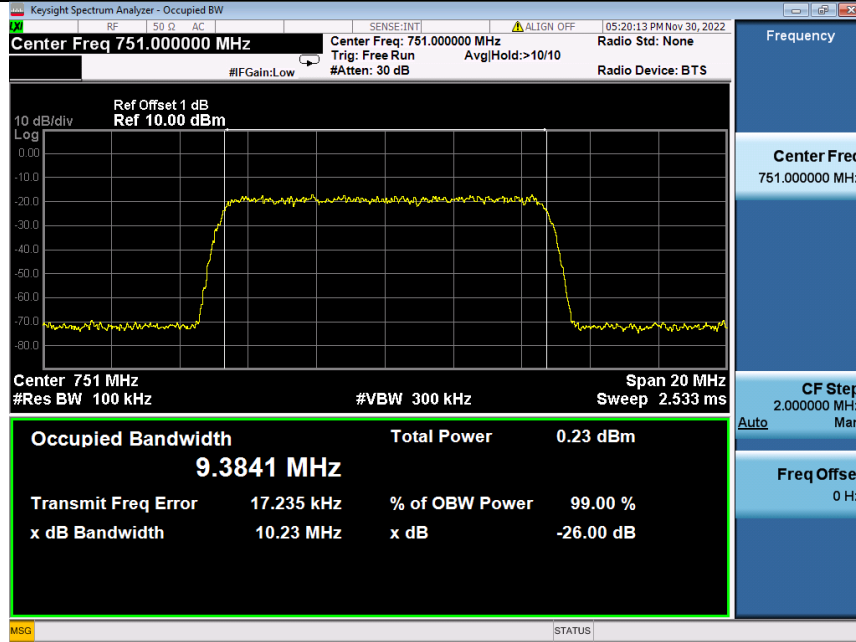
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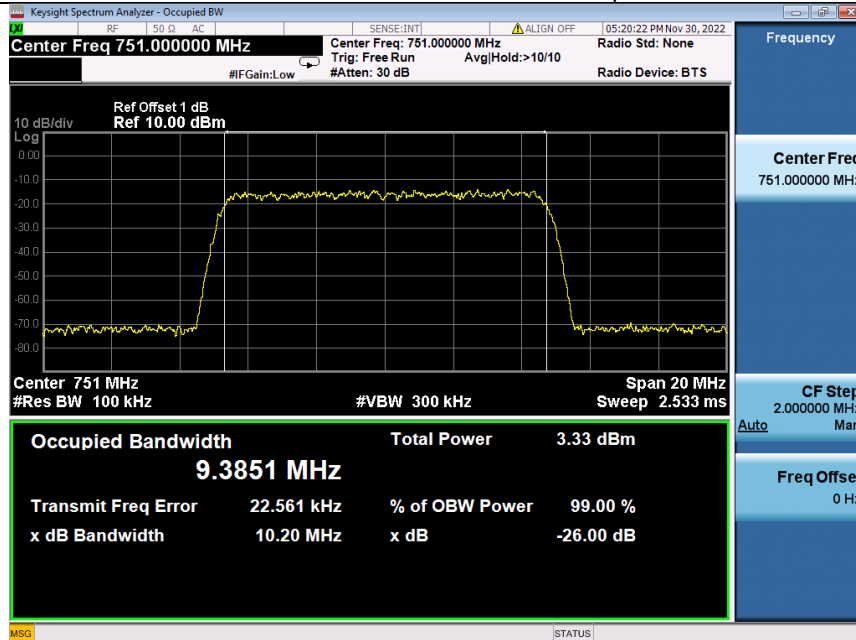
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## N13\_751MHz AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC



## N13\_751MHz AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC+3



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3.2 Band13\_EBW

3.2.1 Test Result

For LTE Band 13

Band: 13 / NTNV							
Type	Signal		TX Type	ANT	26dB EBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	0.3	749.55	SISO	1	5.057	5.067	Pass
	3.3	749.55	SISO	1	5.076	5.044	Pass
GMSK	0.3	749.55	SISO	1	0.313	0.317	Pass
	3.3	749.55	SISO	1	0.316	0.316	Pass

For 5G NR N13

N13 / NTNV							
Type	Signal		TX Type	ANT	26dB EBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	0.3	751	SISO	1	10.110	10.230	Pass
	3.3	751	SISO	1	10.100	10.200	Pass



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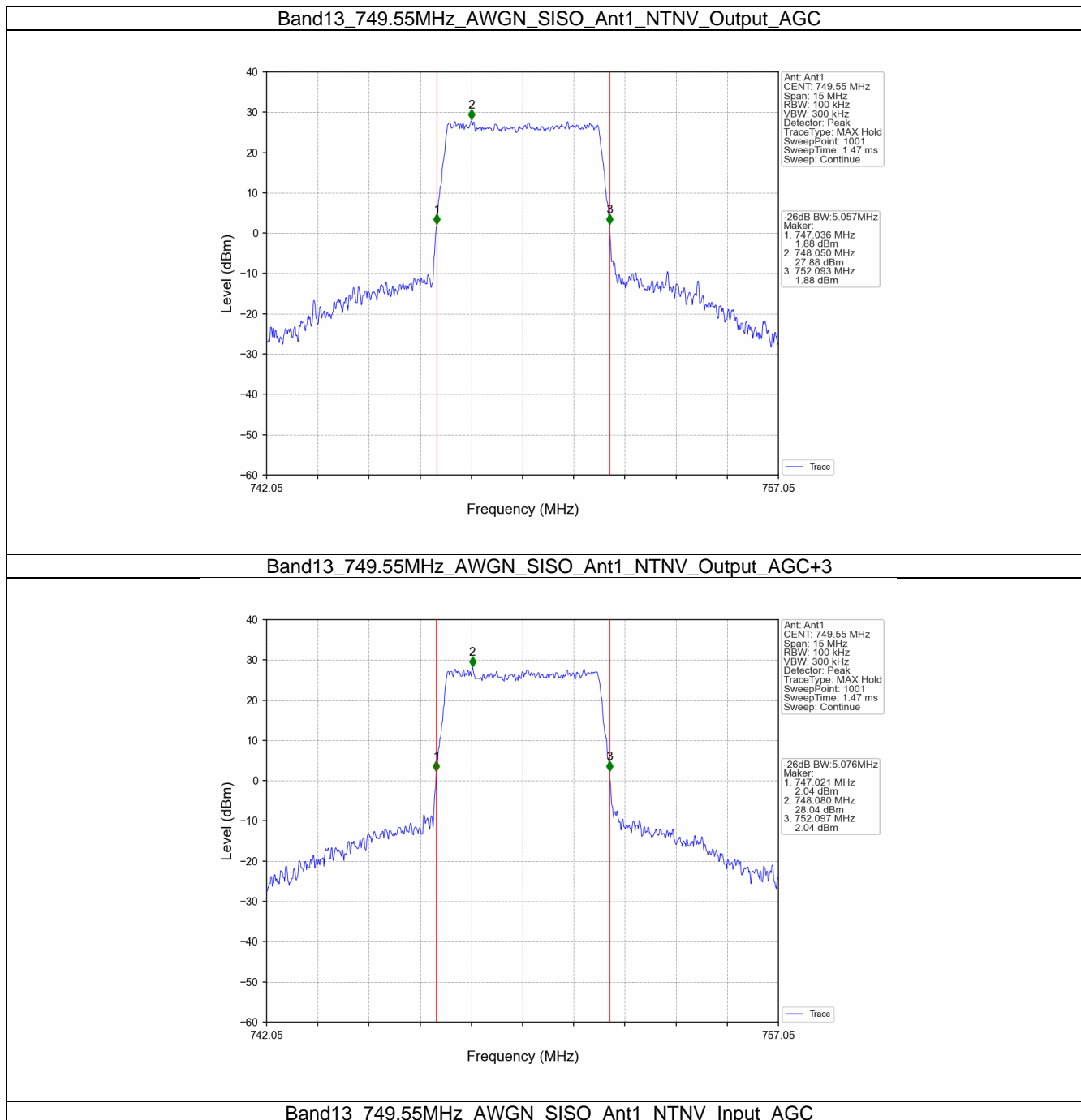
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### 3.2.2 Test Graph

For LTE Band 13



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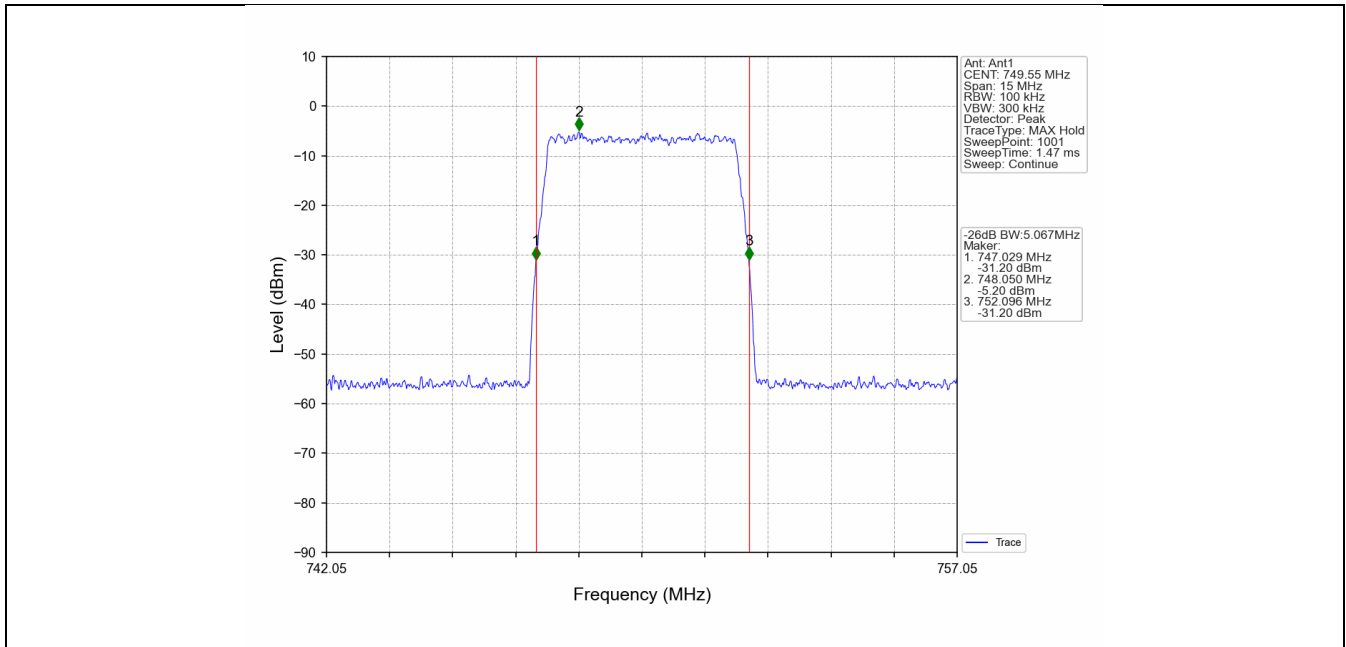
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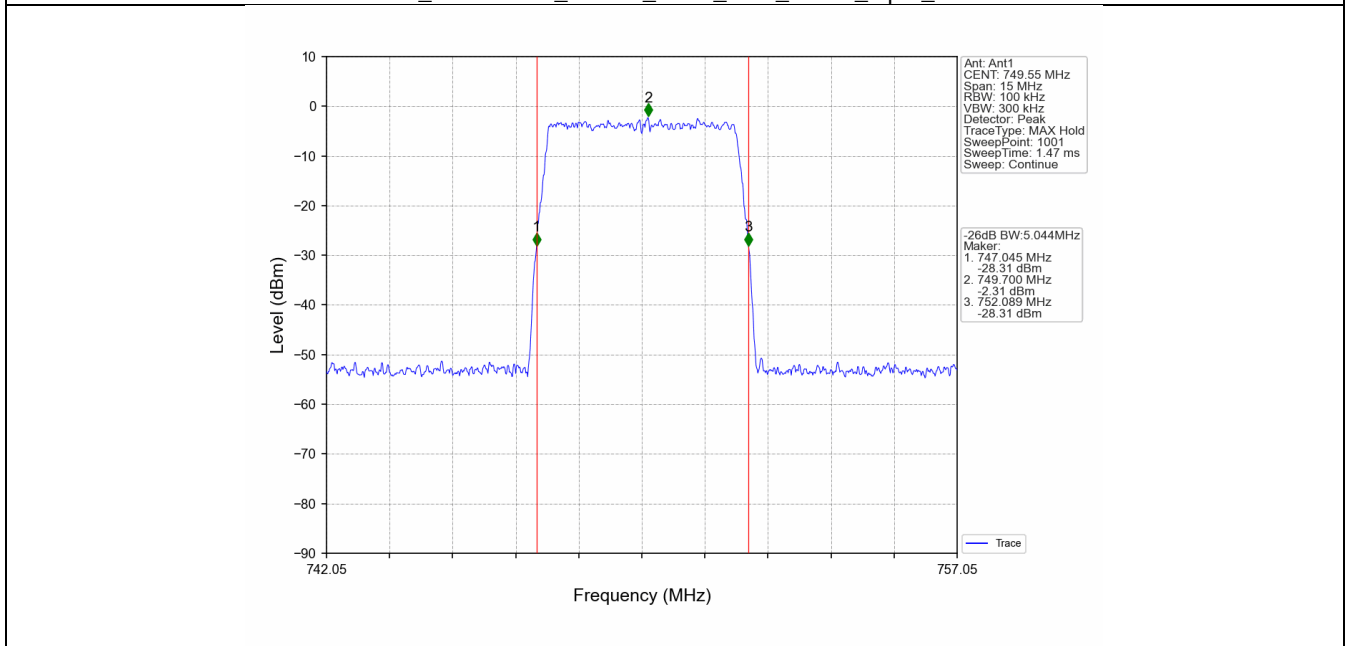
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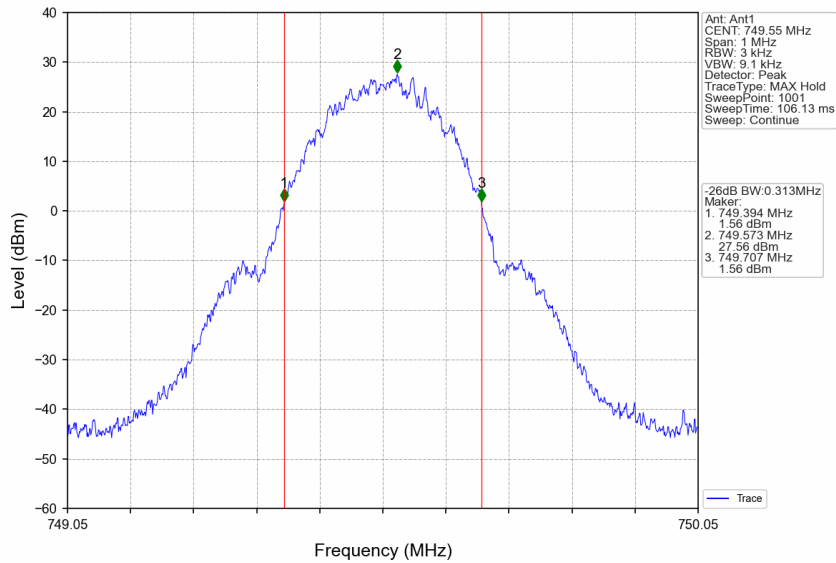
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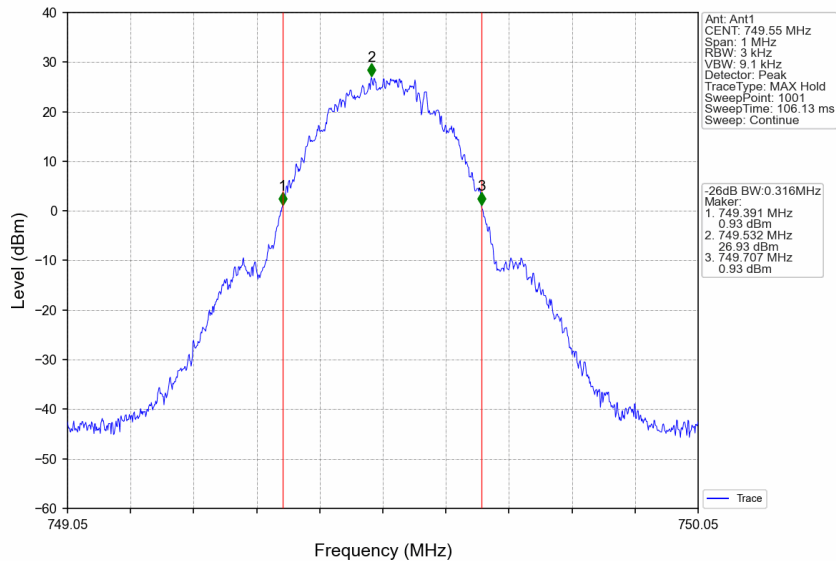
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Band13\_749.55MHz\_GMSK\_SISO\_Ant1\_NTNV\_Output\_AGC



Band13\_749.55MHz\_GMSK\_SISO\_Ant1\_NTNV\_Output\_AGC+3



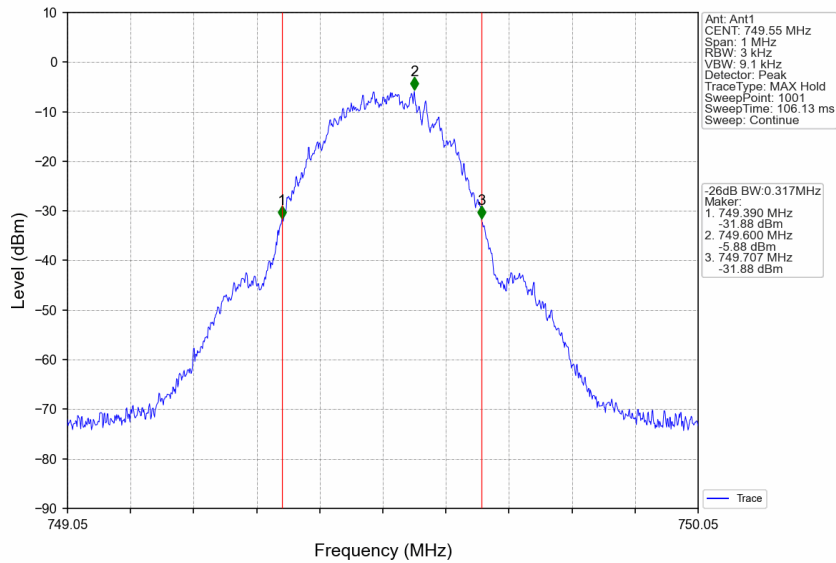
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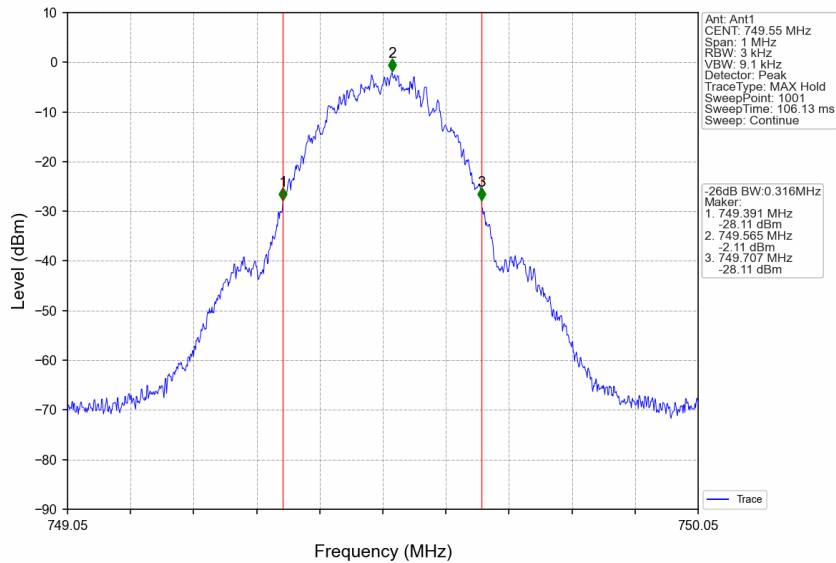
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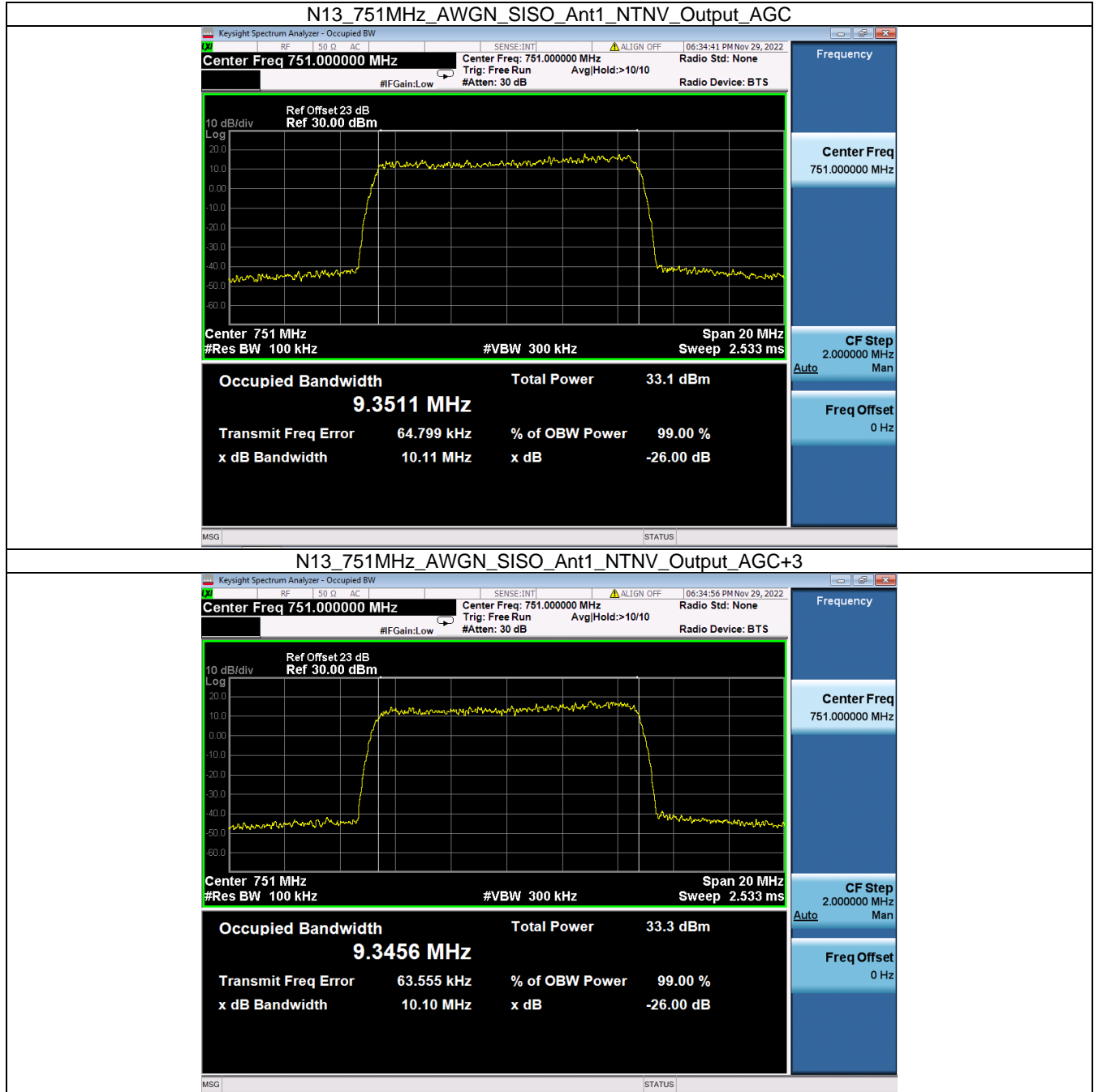
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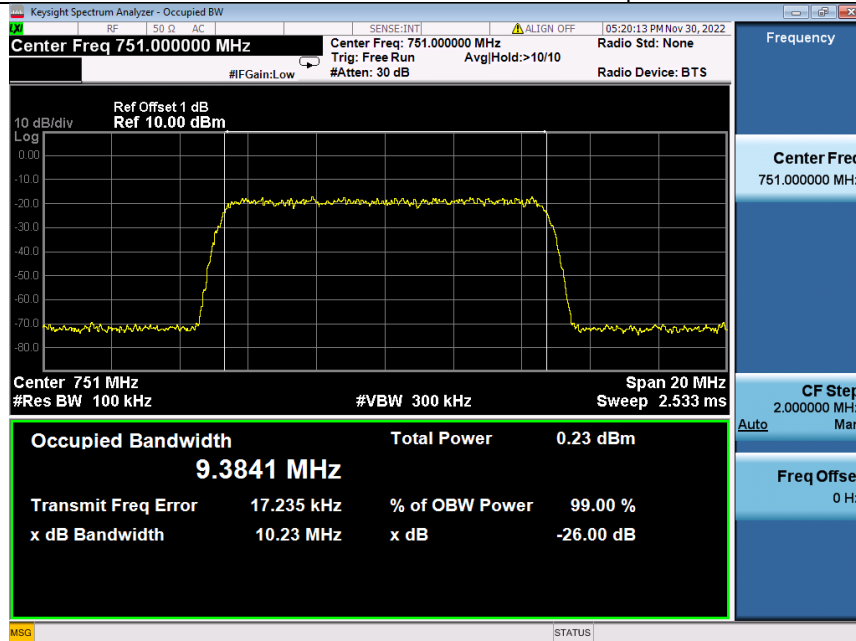
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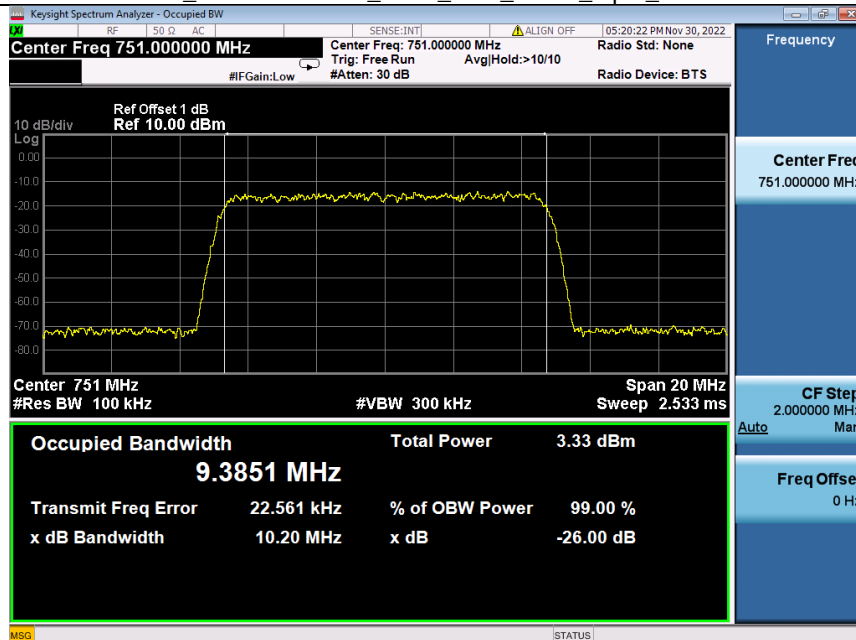
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N13\_751MHz AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC



N13\_751MHz AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC+3



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4. Input/output power and amplifier/booster gain

4.1 Band13\_ERP

4.1.1 Test Result

For LTE Band 13

Band: 13 / 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		
AWGN	0.3	749.55	SISO	1	26.40	-6.81	36.25	<=60	33.21	Pass
	3.3	749.55	SISO	1	26.69	-3.84	36.54	<=60	/	Pass
GMSK	0.3	749.55	SISO	1	33.33	0.21	43.18	<=60	33.12	Pass
	3.3	749.55	SISO	1	33.51	3.24	43.36	<=60	/	Pass

746MHz-756MHz / NTNV							
Operation Band	Frequency (MHz)	Signal	Signal Level	Input Power (dBm)	Total Output Power (dBm)	ERP(dBm)	Gain (dB)
					SISO	SISO	
746MHz-756MHz	749.55	AWGN	Pre-AGC	0.3	33.39	43.24	/
			3dB Above AGC	3.3	33.68	43.53	/
	749.55	GMSK	Pre-AGC	0.3	33.33	43.18	/
			3dB Above AGC	3.3	33.51	43.36	/



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For 5G NR N13

N13 / NTN										
Signal			TX Type	ANT	Conducted Power (dBm/MHz)		ERP (dBm/MHz)		Booster Gain (dB)	Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	Result	Limit		
AWGN	0.3	751	SISO	1	23.25	-9.95	33.10	<=60	33.20	Pass
	3.3	751	SISO	1	23.48	-6.96	33.33	<=60	/	Pass

746MHz-756MHz / NTN							
Operation Band	Frequency (MHz)	Signal	Signal Level	Input Power (dBm)	Total Output Power (dBm)	ERP(dBm)	Gain (dB)
					SISO	SISO	
746MHz-756MHz	751	AWGN	Pre-AGC	0.3	33.39	43.11	/
			3dB Above AGC	3.3	33.68	43.33	/

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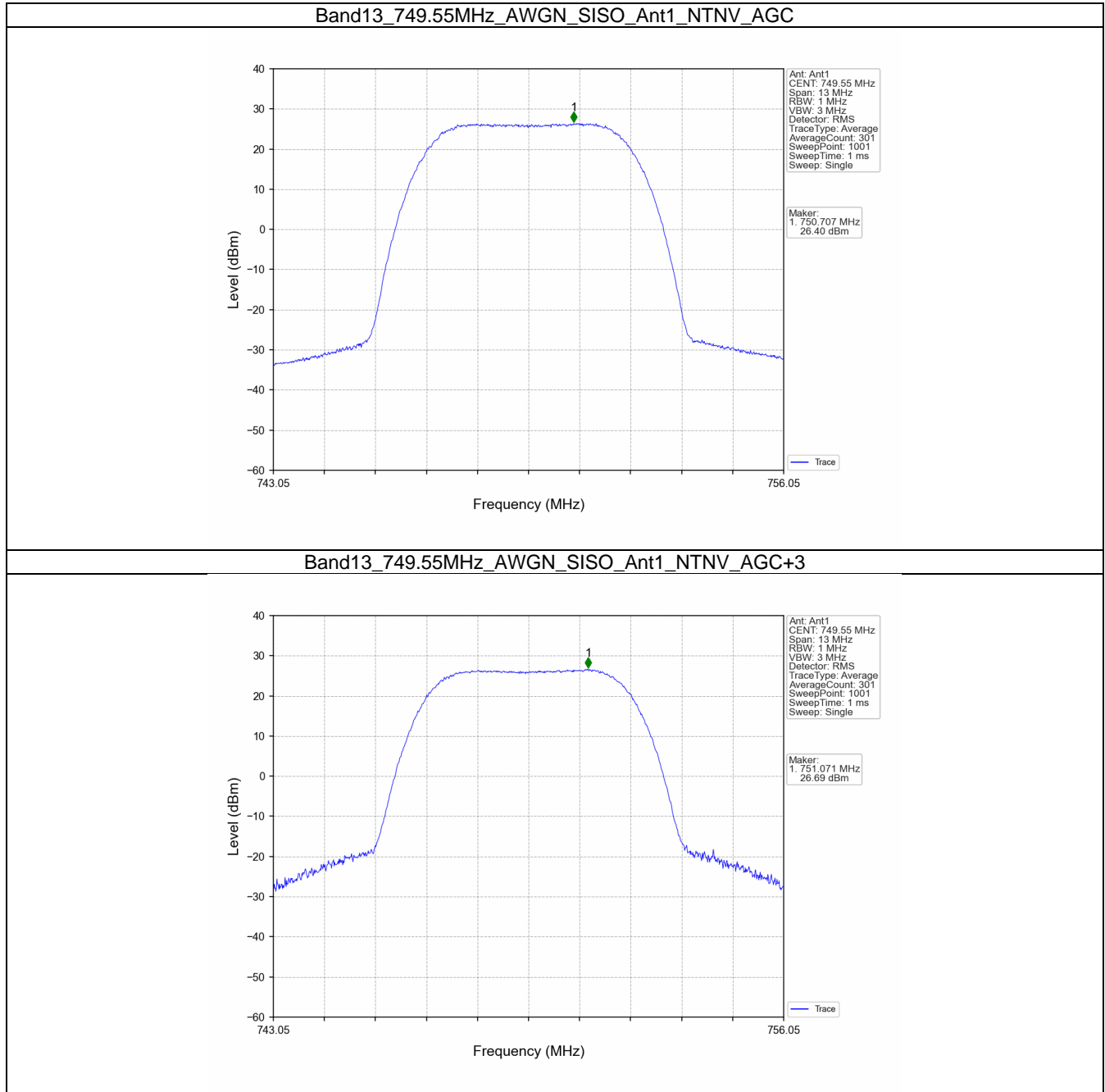
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4.1.2 Test Graph

For LTE Band 13

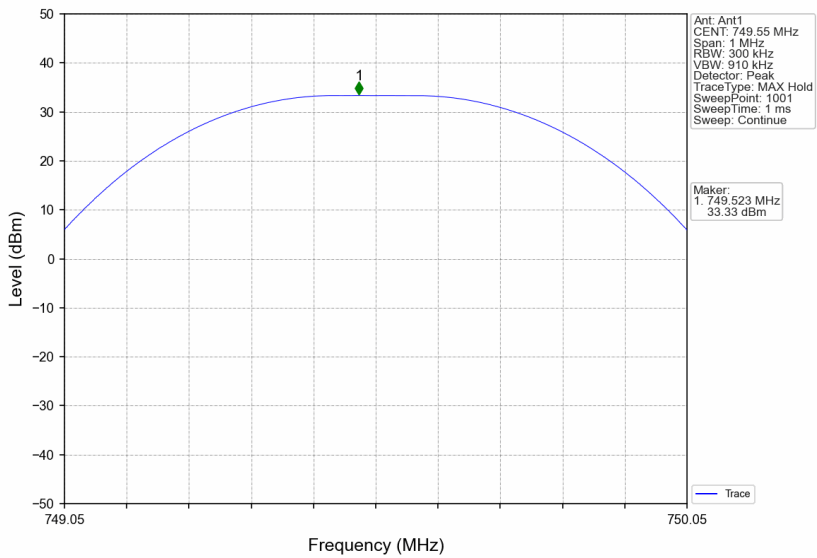


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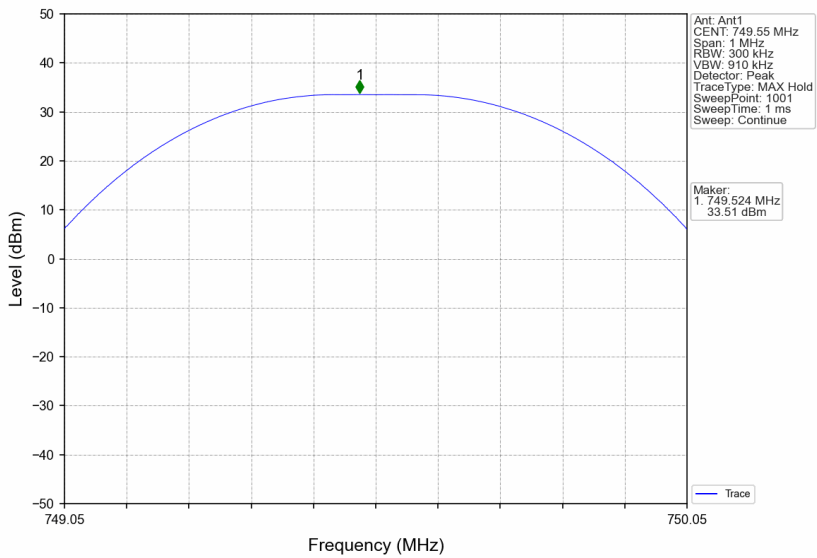
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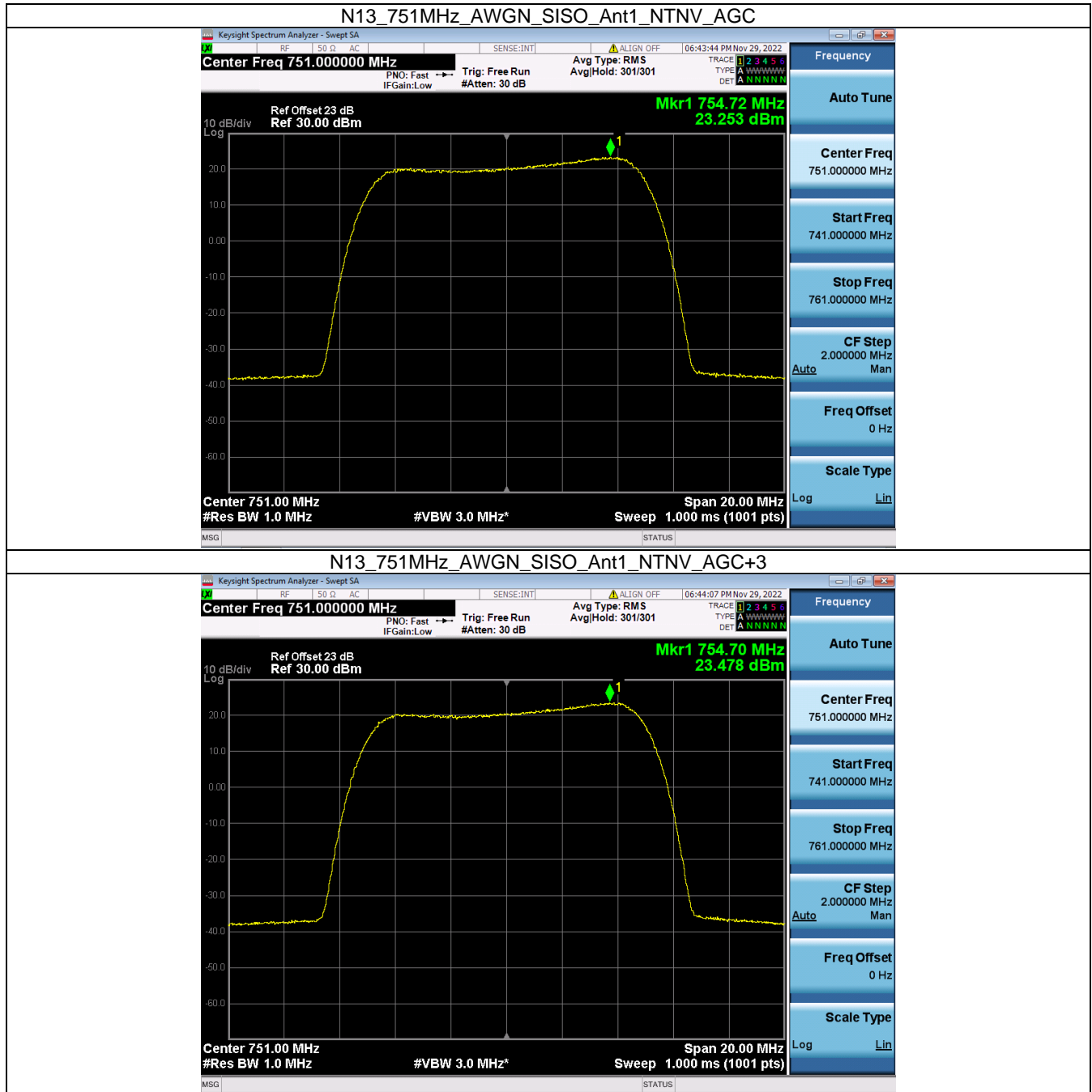
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4.2 Band13\_PAPR

4.2.1 Test Result

For LTE Band 13

Band: 13 / NTNV							
Type	Signal		TX Type	ANT	PAPR (dB)		Verdict
	Level (dBm)	Frequency (MHz)			Result	Limit	
AWGN	0.3	749.55	SISO	1	8.20	<=13	Pass
	3.3	749.55	SISO	1	8.19	<=13	Pass
GMSK	0.3	749.55	SISO	1	0.42	<=13	Pass
	3.3	749.55	SISO	1	0.28	<=13	Pass

For 5G NR N13

N13 / NTNV							
Type	Signal		TX Type	ANT	PAPR (dB)		Verdict
	Level (dBm)	Frequency (MHz)			Result	Limit	
AWGN	0.3	751	SISO	1	8.40	<=13	Pass
	3.3	751	SISO	1	8.38	<=13	Pass



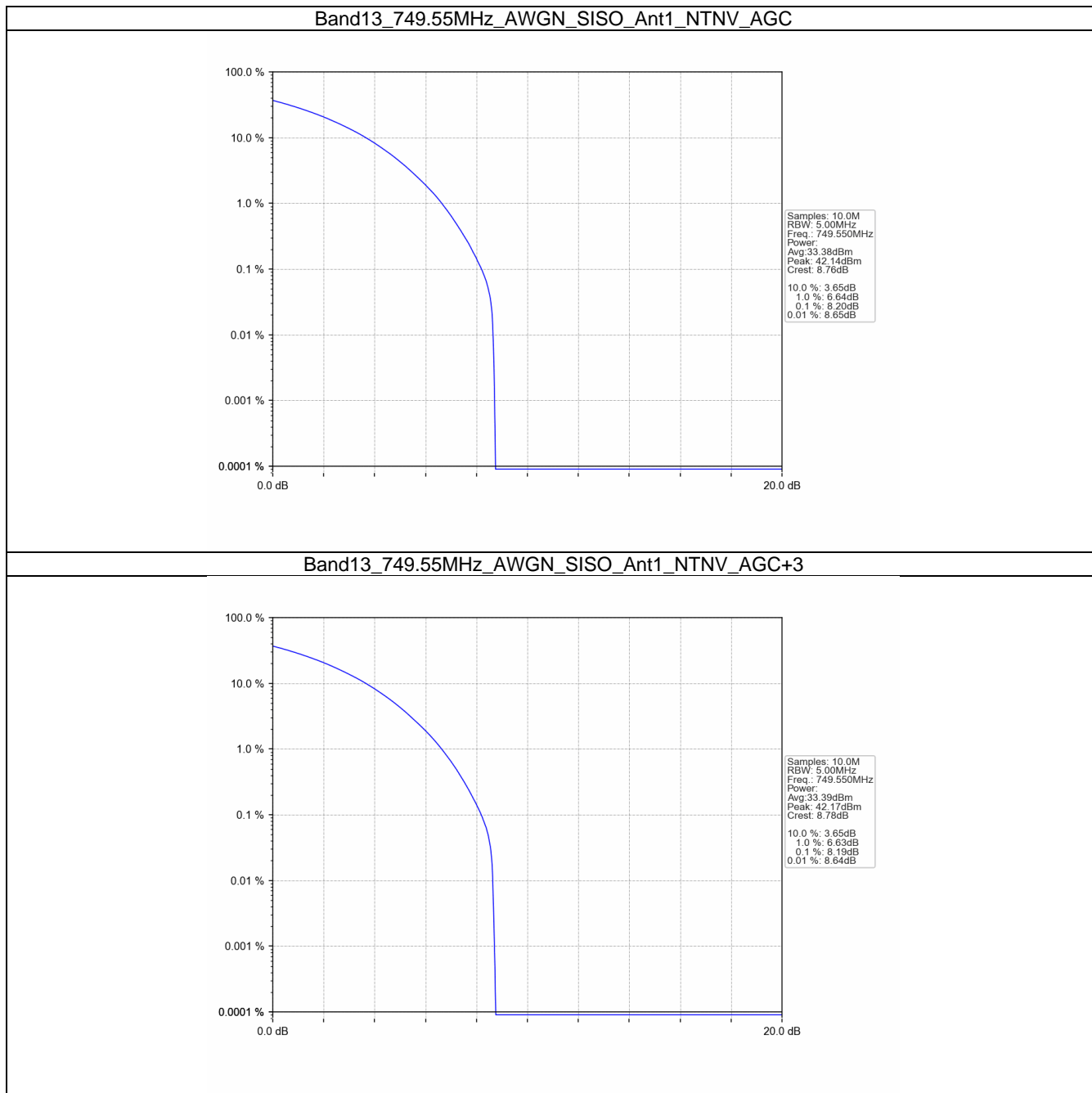
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4.2.2 Test Graph

For LTE Band 13



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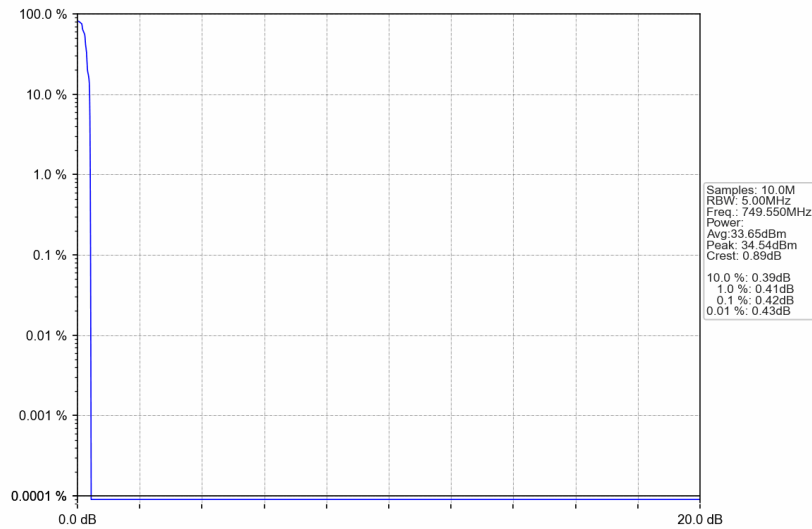
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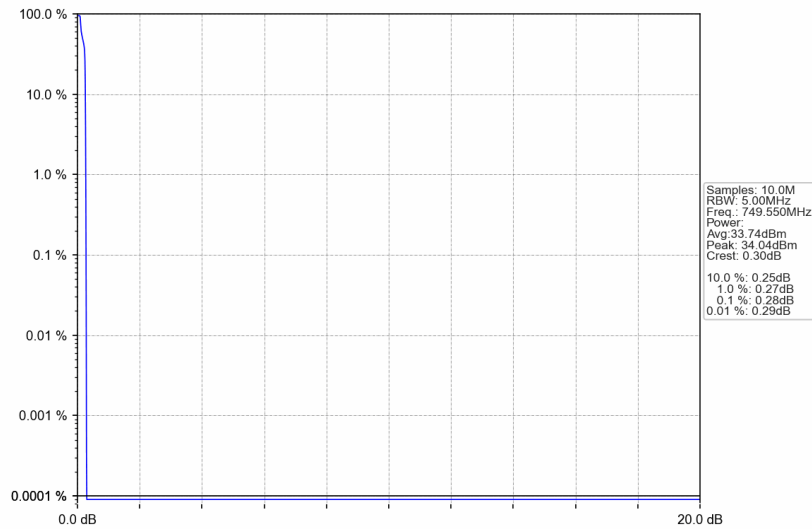
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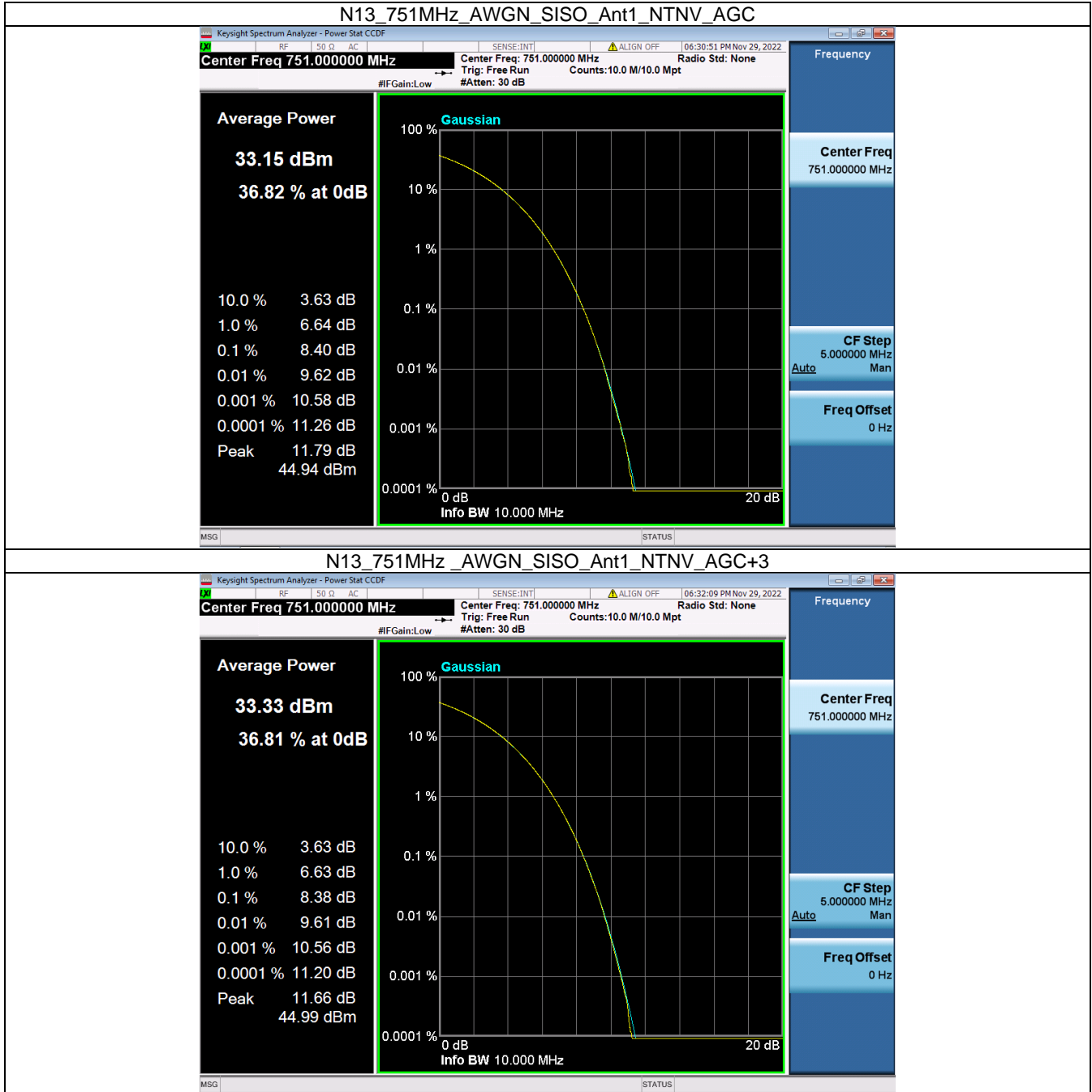
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For 5G NR N13



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

5.1 Band13

5.1.1 Test Result

For LTE Band 13

Band: 13 / NTN									
Input	Type	Signal		Channel	TX Type	ANT	OOB (dBm)		Verdict
		Level (dBm)	Frequency (MHz)				Result	Limit	
Two	AWGN	0.3	748.5	LCH	SISO	1	-62.35	Refer To Test Graph	Pass
		3.3	748.5	LCH	SISO	1	-61.92	Refer To Test Graph	Pass
One	AWGN	0.3	748.5	LCH	SISO	1	-61.90	Refer To Test Graph	Pass
		3.3	748.5	LCH	SISO	1	-62.17	Refer To Test Graph	Pass
Two	AWGN	0.3	753.5	HCH	SISO	1	-61.63	Refer To Test Graph	Pass
		3.3	753.5	HCH	SISO	1	-62.21	Refer To Test Graph	Pass
One	AWGN	0.3	753.5	HCH	SISO	1	-62.23	Refer To Test Graph	Pass
		3.3	753.5	HCH	SISO	1	-61.79	Refer To Test Graph	Pass
Two	GMSK	0.3	746.1	LCH	SISO	1	-61.88	Refer To Test Graph	Pass
		3.3	746.1	LCH	SISO	1	-61.90	Refer To Test Graph	Pass
One	GMSK	0.3	746.1	LCH	SISO	1	-62.37	Refer To Test Graph	Pass
		3.3	746.1	LCH	SISO	1	-61.95	Refer To Test Graph	Pass
Two	GMSK	0.3	755.9	HCH	SISO	1	-62.32	Refer To Test Graph	Pass
		3.3	755.9	HCH	SISO	1	-61.77	Refer To Test Graph	Pass
One	GMSK	0.3	755.9	HCH	SISO	1	-62.23	Refer To Test Graph	Pass
		3.3	755.9	HCH	SISO	1	-61.97	Refer To Test Graph	Pass

For 5G NR N13

N13 / NTN									
Input	Type	Signal		Channel	TX Type	ANT	OOB (dBm)		Verdict
		Level (dBm)	Frequency (MHz)				Result	Limit	
Two	AWGN	0.3	751	MCH	SISO	1	-43.503	Refer To Test Graph	Pass
		3.3	751	MCH	SISO	1	-43.563	Refer To Test Graph	Pass
One	AWGN	0.3	751	MCH	SISO	1	-43.223	Refer To Test Graph	Pass
		3.3	751	MCH	SISO	1	-43.402	Refer To Test Graph	Pass
Two	AWGN	0.3	751	MCH	SISO	1	-42.781	Refer To Test Graph	Pass
		3.3	751	MCH	SISO	1	-43.042	Refer To Test Graph	Pass
One	AWGN	0.3	751	MCH	SISO	1	-42.744	Refer To Test Graph	Pass
		3.3	751	MCH	SISO	1	-42.800	Refer To Test Graph	Pass



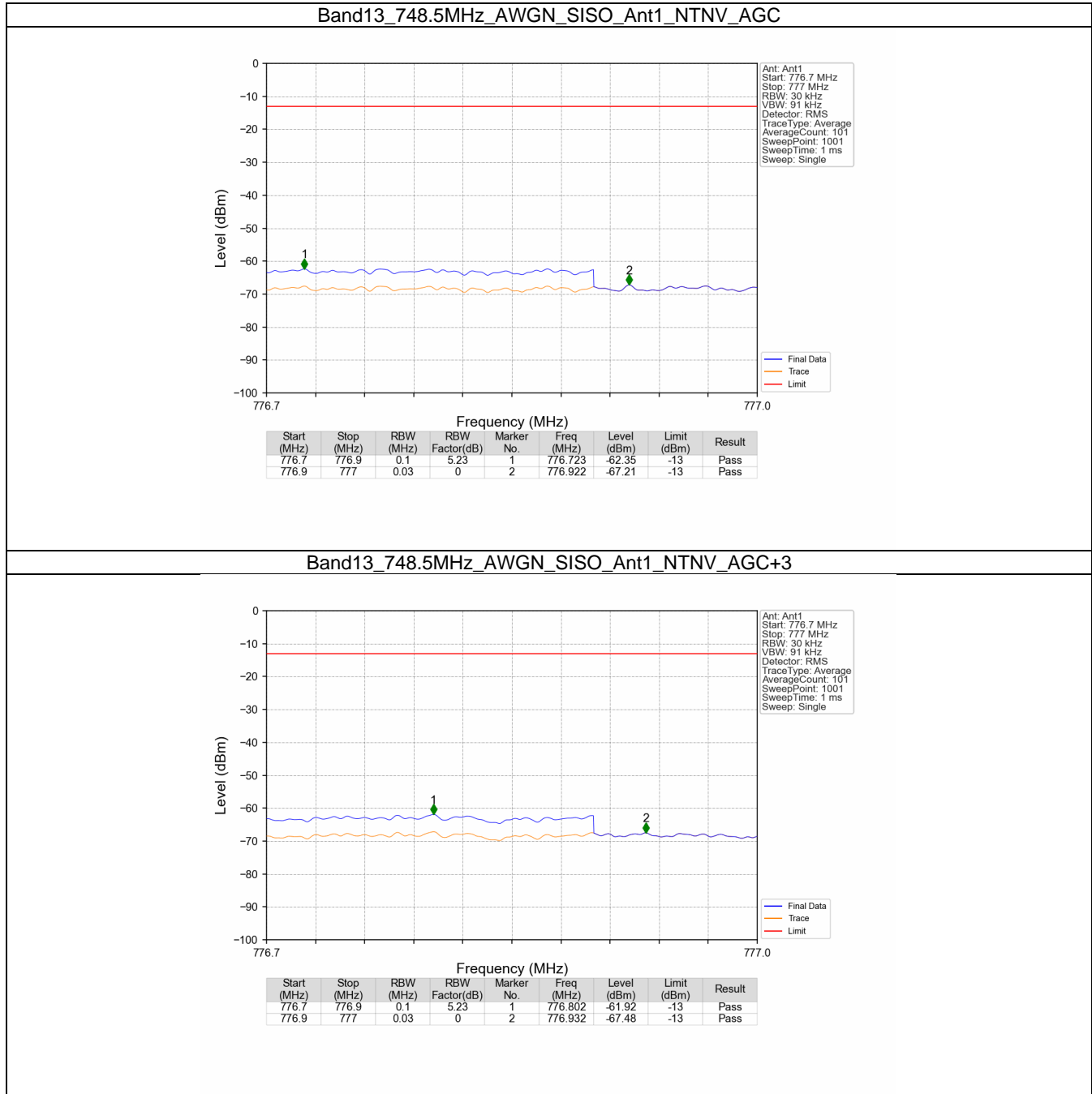
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5.1.2 Test Graph

For LTE Band 13



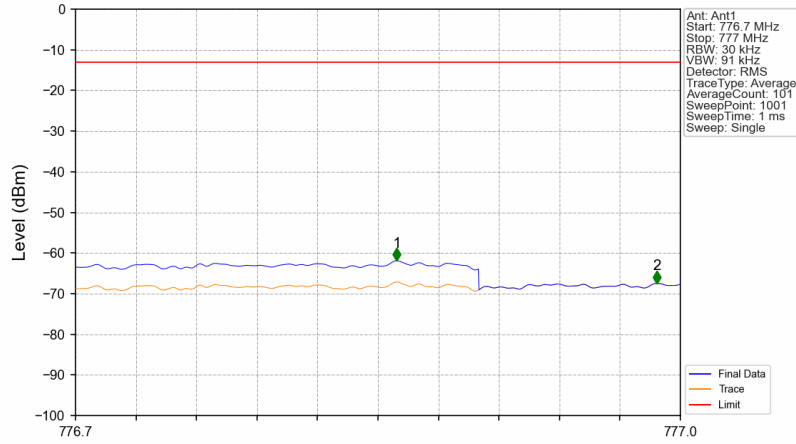
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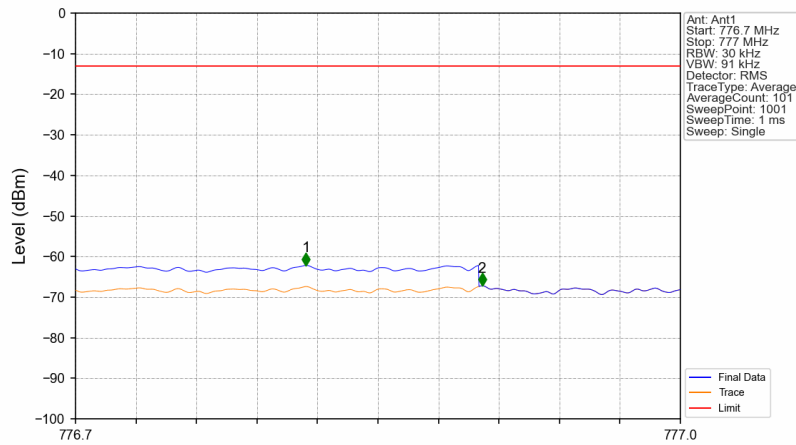
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### Band13\_748.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
776.7	776.9	0.1	5.23	1	776.859	-61.90	-13	Pass
776.9	777	0.03	0	2	776.988	-67.48	-13	Pass

### Band13\_748.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
776.7	776.9	0.1	5.23	1	776.814	-62.17	-13	Pass
776.9	777	0.03	0	2	776.902	-67.22	-13	Pass



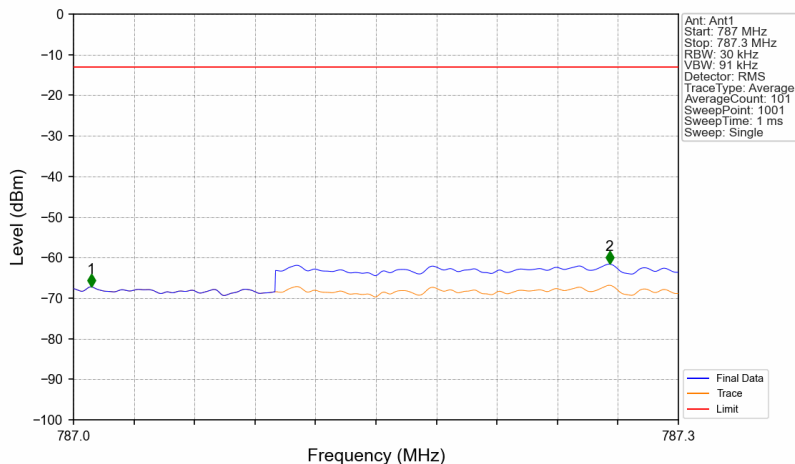
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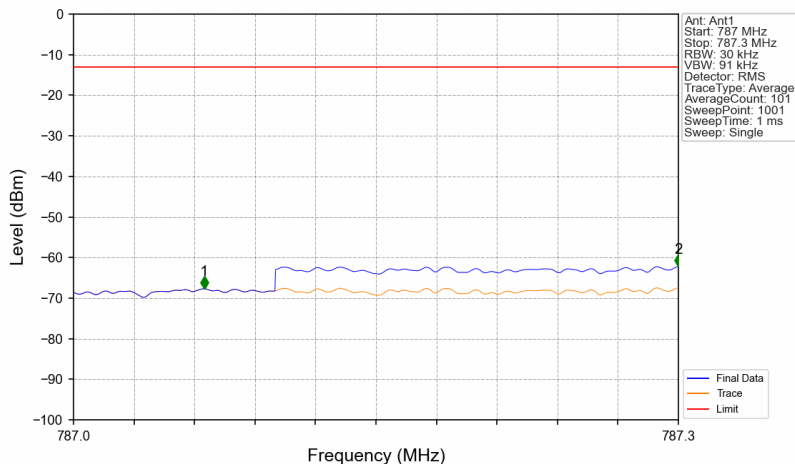
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### Band13\_753.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
787.009	787.009	0.03	0	1	787.009	-67.23	-13	Pass
787.266	787.266	0.1	5.23	2	787.266	-61.63	-13	Pass

### Band13\_753.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
787.065	787.065	0.03	0	1	787.065	-67.70	-13	Pass
787.300	787.300	0.1	5.23	2	787.300	-62.21	-13	Pass



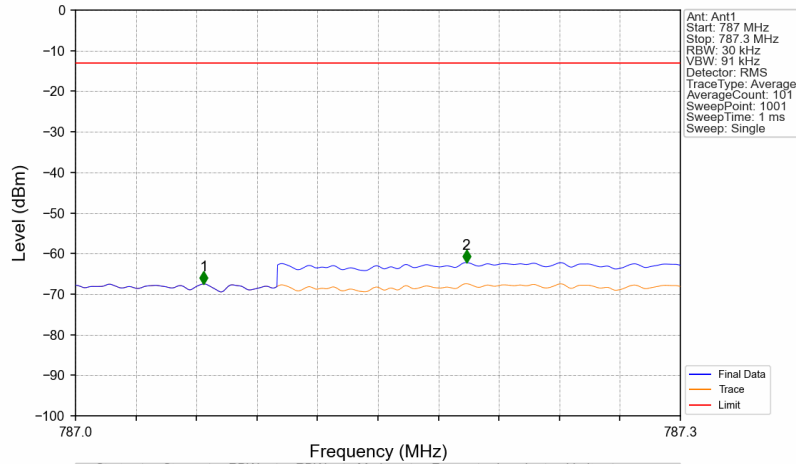
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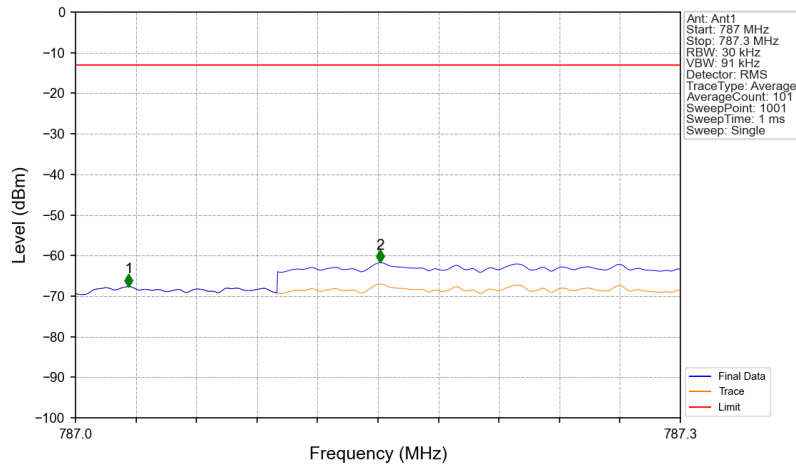
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### Band13\_753.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
787	787.1	0.03	0	1	787.064	-67.50	-13	Pass
787.1	787.3	0.1	5.23	2	787.194	-62.23	-13	Pass

### Band13\_753.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
787	787.1	0.03	0	1	787.026	-67.66	-13	Pass
787.1	787.3	0.1	5.23	2	787.151	-61.79	-13	Pass



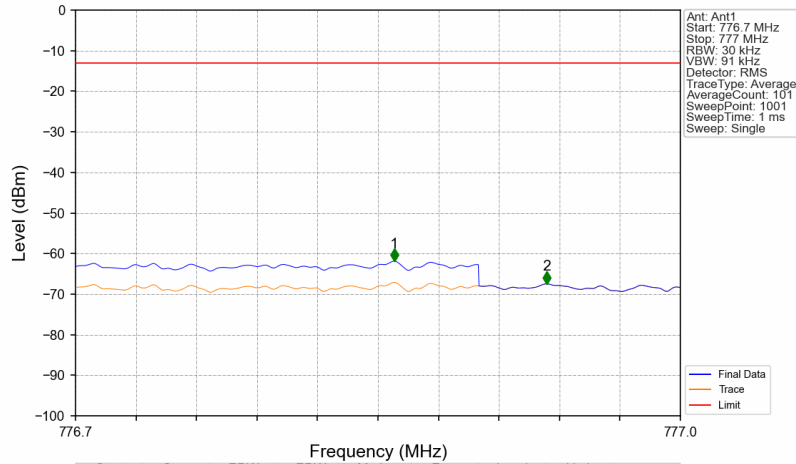
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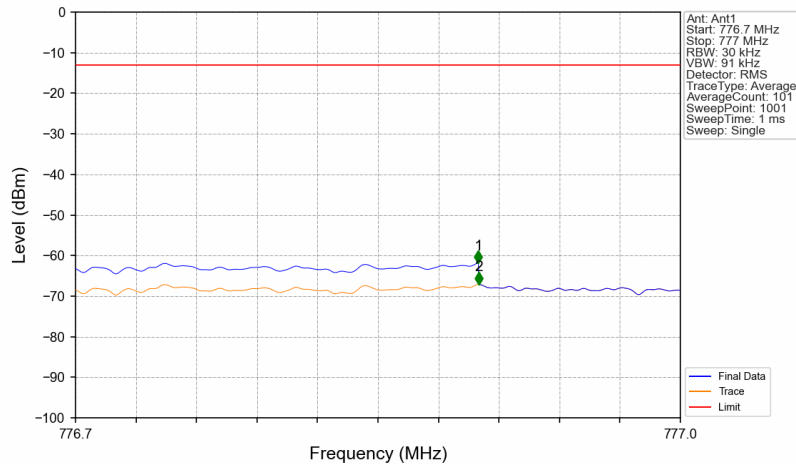
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### Band13\_746.1MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
776.7	776.9	0.1	5.23	1	776.858	-61.88	-13	Pass
776.9	777	0.03	0	2	776.934	-67.48	-13	Pass

### Band13\_746.1MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
776.7	776.9	0.1	5.23	1	776.900	-61.90	-13	Pass
776.9	777	0.03	0	2	776.900	-67.13	-13	Pass



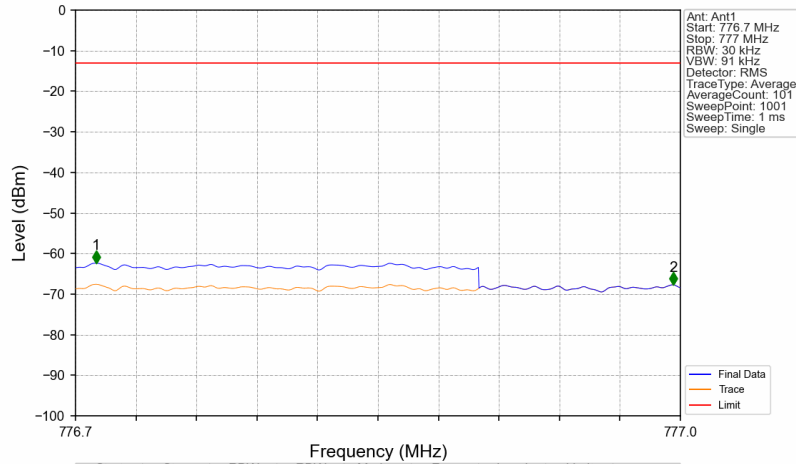
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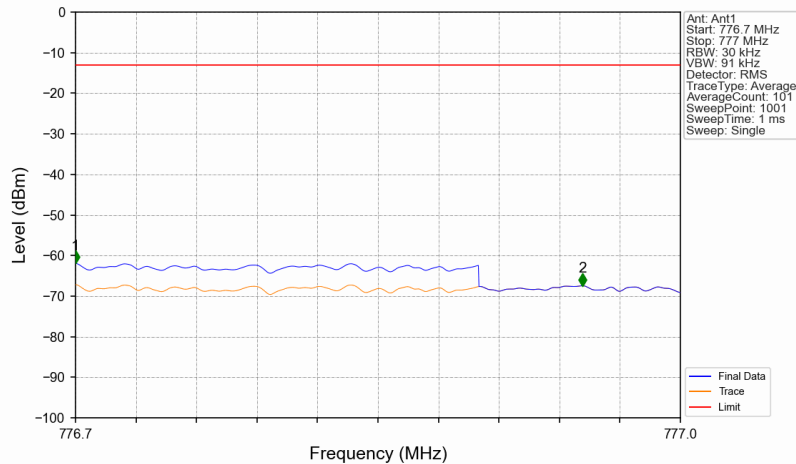


### Band13\_746.1MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
776.7	776.9	0.1	5.23	1	776.710	-62.37	-13	Pass
776.9	777	0.03	0	2	776.996	-67.72	-13	Pass

### Band13\_746.1MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
776.7	776.9	0.1	5.23	1	776.700	-61.95	-13	Pass
776.9	777	0.03	0	2	776.951	-67.46	-13	Pass



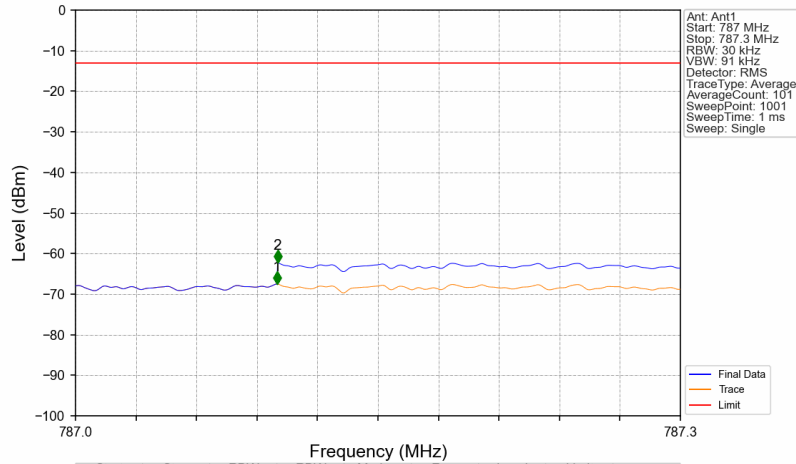
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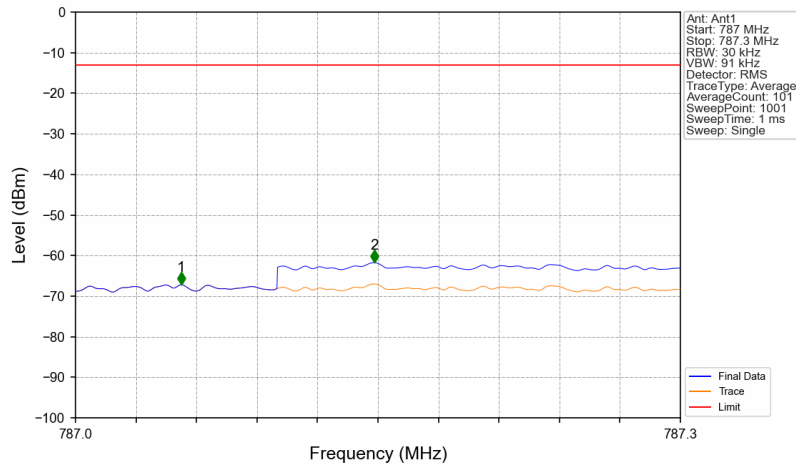
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### Band13\_755.9MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
787.1	787.3	0.03	0	1	787.100	-67.54	-13	Pass
787.1	787.3	0.1	5.23	2	787.100	-62.32	-13	Pass

### Band13\_755.9MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
787.1	787.3	0.03	0	1	787.053	-67.23	-13	Pass
787.1	787.3	0.1	5.23	2	787.148	-61.77	-13	Pass



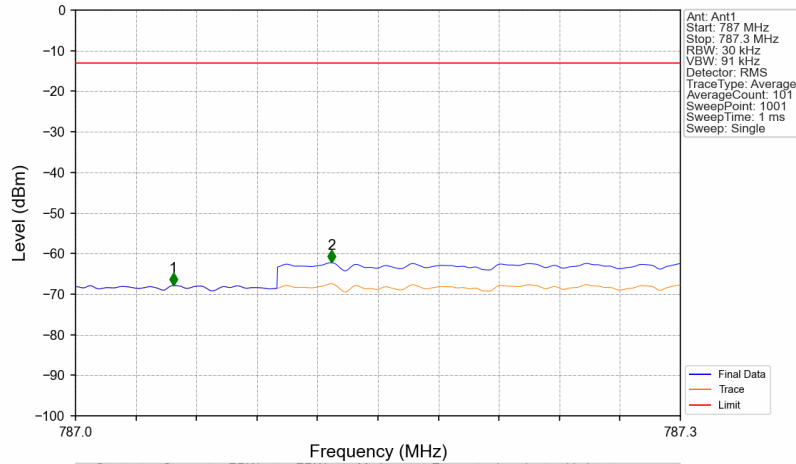
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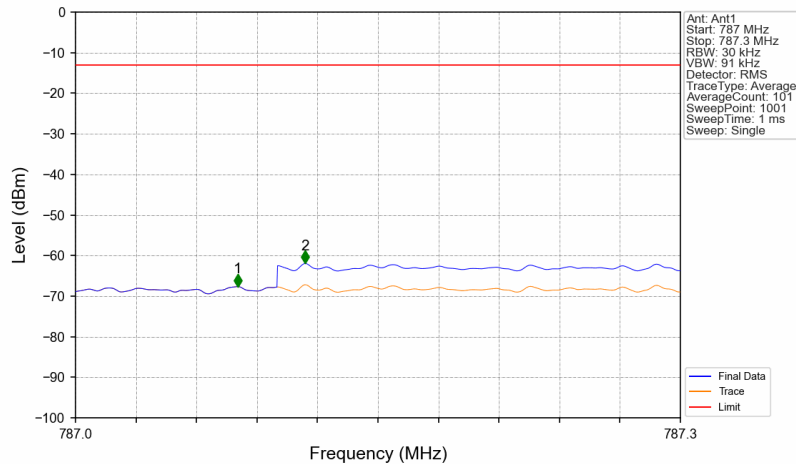
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### Band13\_755.9MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
787	787.1	0.03	0	1	787.049	-67.89	-13	Pass
787.1	787.3	0.1	5.23	2	787.127	-62.23	-13	Pass

### Band13\_755.9MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
787	787.1	0.03	0	1	787.080	-67.65	-13	Pass
787.1	787.3	0.1	5.23	2	787.114	-61.97	-13	Pass



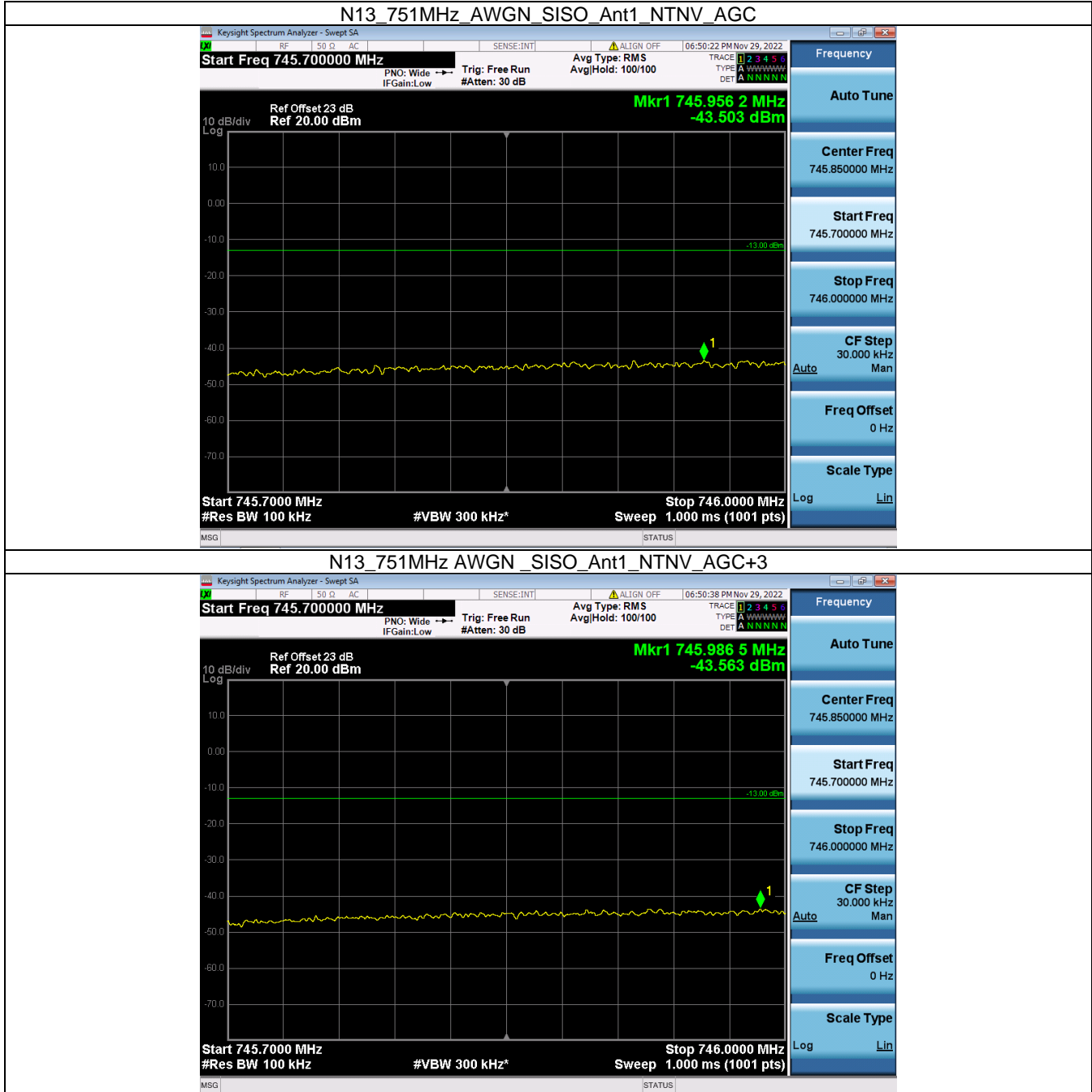
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For 5GNR N13



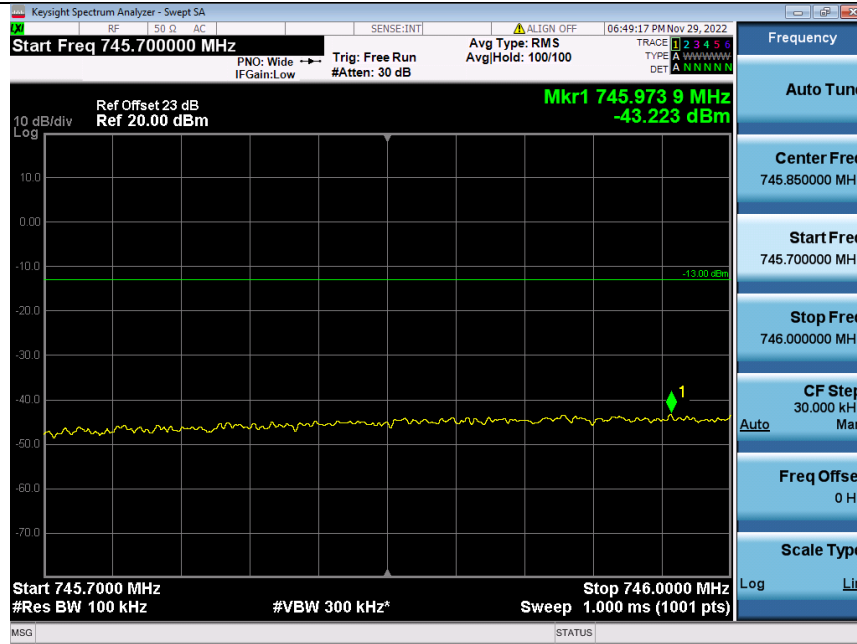
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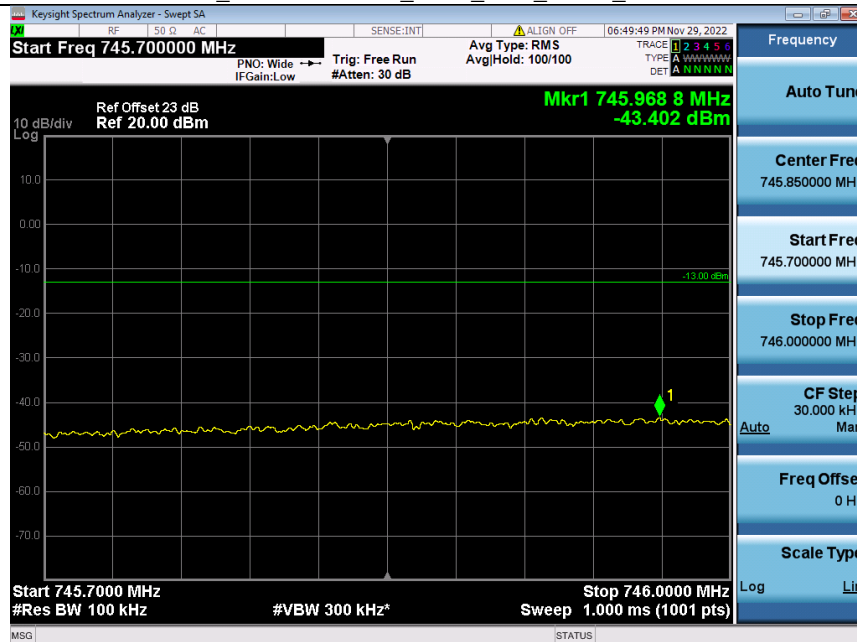
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### N13\_751MHz AWGN\_SISO\_Ant1\_NTNV\_AGC



### N13\_751MHz AWGN\_SISO\_Ant1\_NTNV\_AGC+3



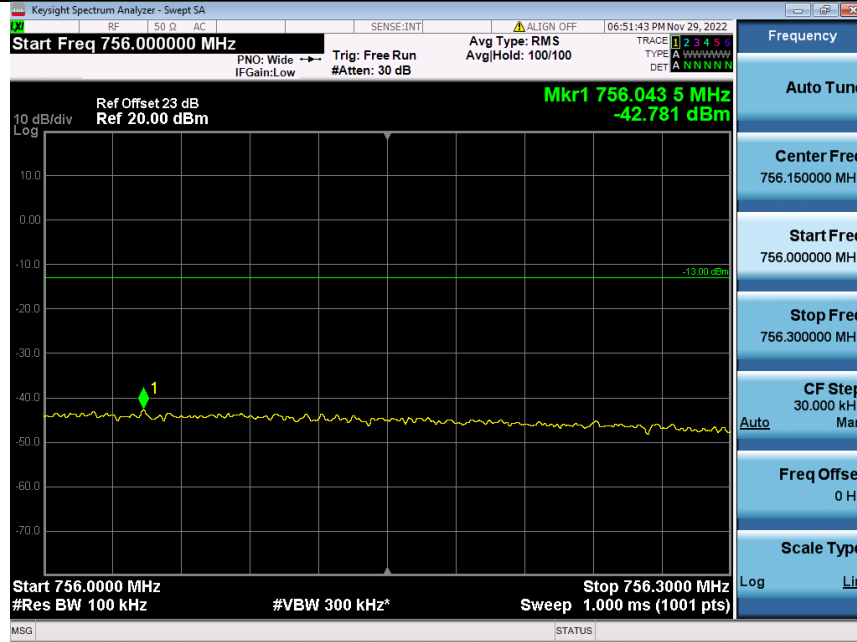
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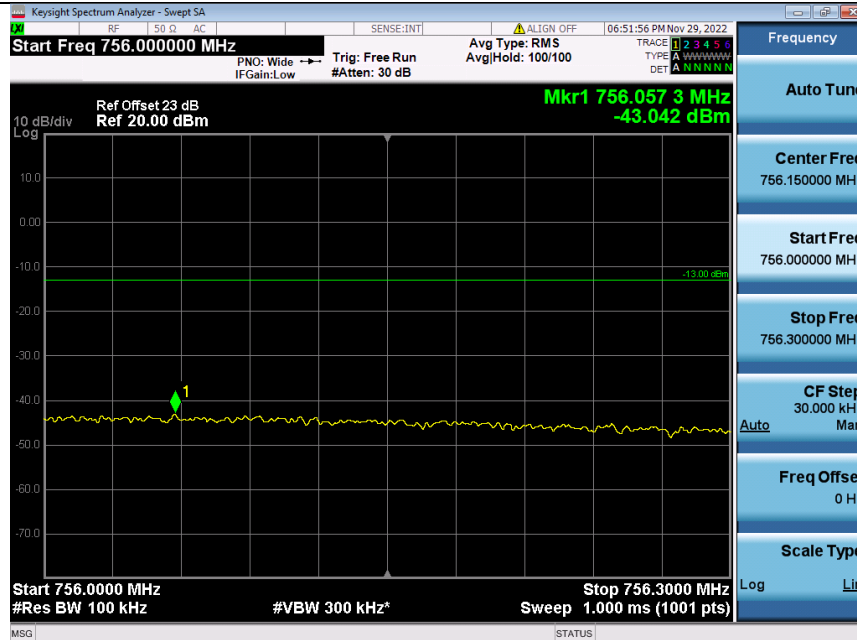
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## N13\_751MHz AWGN\_SISO\_Ant1\_NTNV\_AGC



## N13\_751MHz AWGN\_SISO\_Ant1\_NTNV\_AGC+3

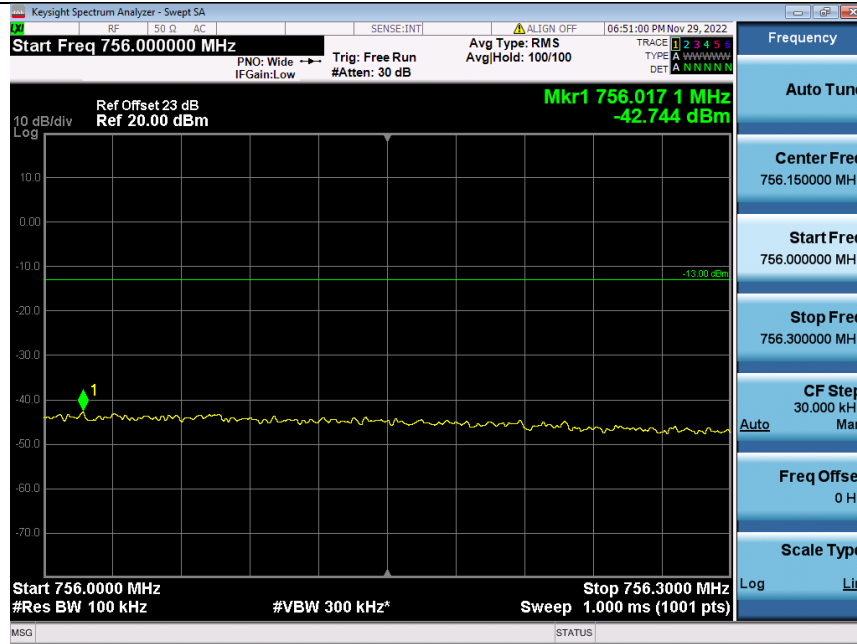


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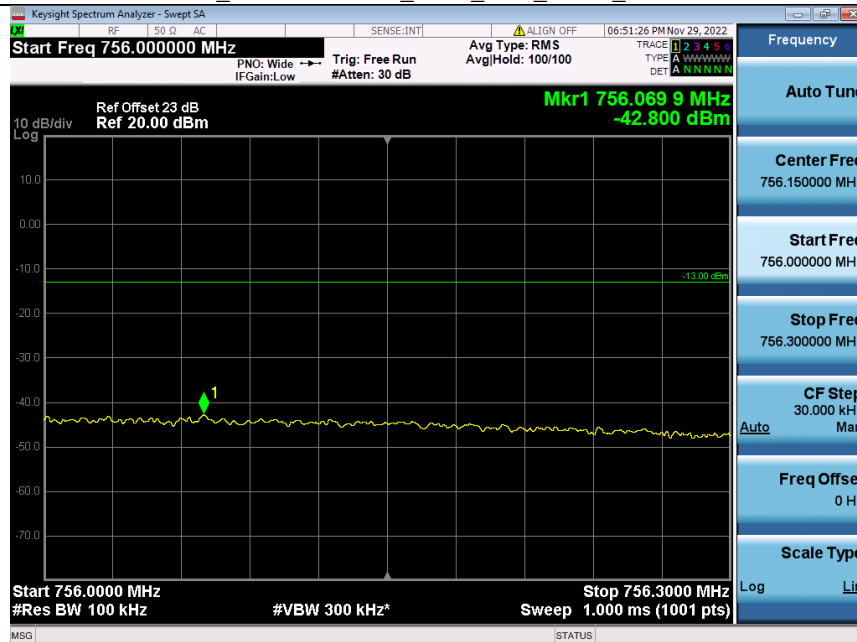
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## N13\_751MHz AWGN\_SISO\_Ant1\_NTNV\_AGC



## N13\_751MHz AWGN\_SISO\_Ant1\_NTNV\_AGC+3



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## 6. Spurious emissions

### 6.1 Band13

#### 6.1.1 Test Result

##### For LTE Band 13

Band: 13 / NTNV								
Signal			Channel	TX Type	ANT	SE (dBm)		Verdict
Type	Level (dBm)	Frequency (MHz)				Result	Limit	
AWGN	0.3	748.5	LCH	SISO	1	Refer To Test Graph		Pass
		751	MCH	SISO	1	Refer To Test Graph		Pass
		753.5	HCH	SISO	1	Refer To Test Graph		Pass
GMSK	0.3	746.1	LCH	SISO	1	Refer To Test Graph		Pass
		751	MCH	SISO	1	Refer To Test Graph		Pass
		755.9	HCH	SISO	1	Refer To Test Graph		Pass

##### For 5G NR N13

N13 / NTNV								
Signal			Channel	TX Type	ANT	SE (dBm)		Verdict
Type	Level (dBm)	Frequency (MHz)				Result	Limit	
AWGN	0.3	751	MCH	SISO	1	Refer To Test Graph		Pass

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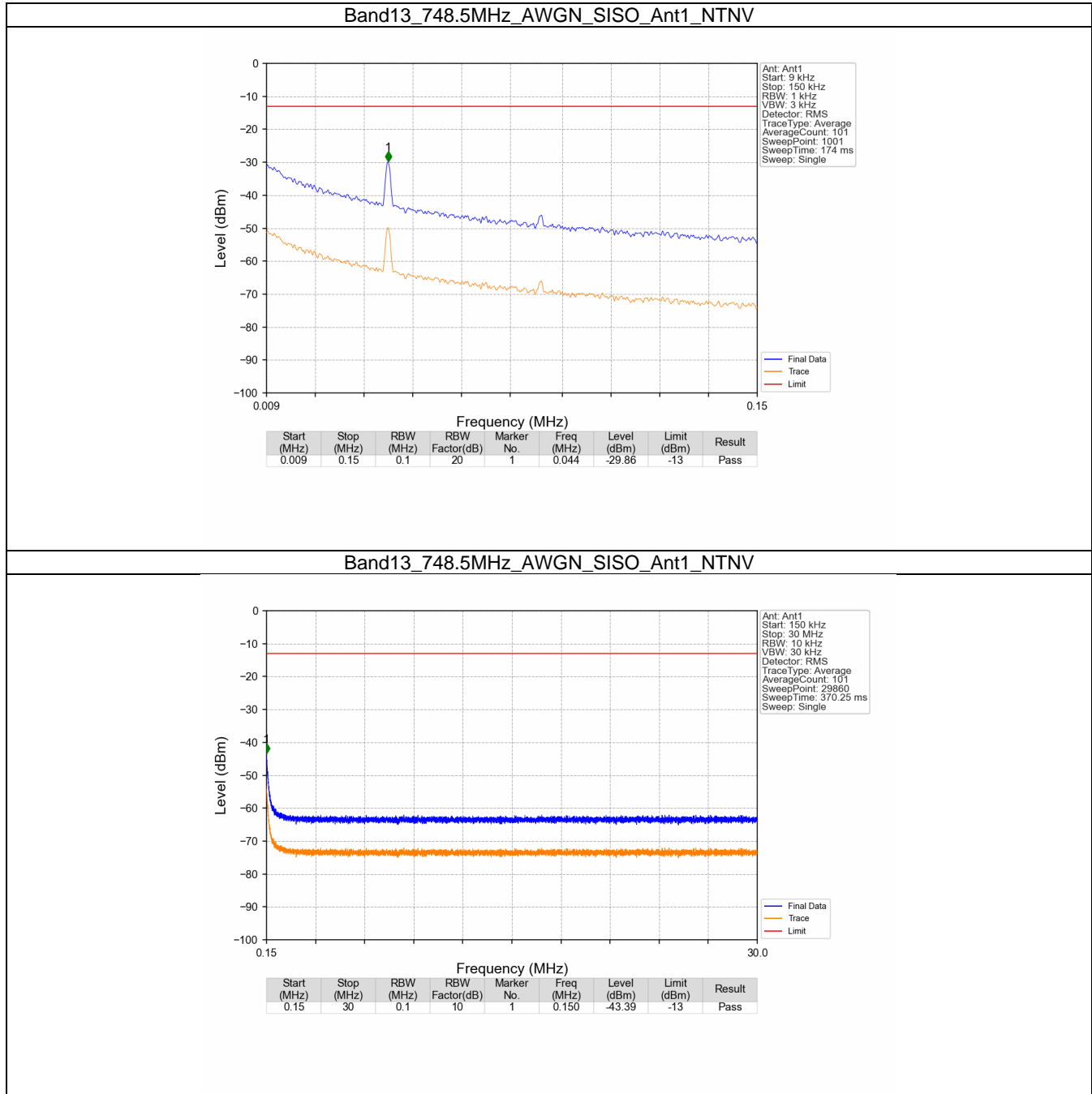
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6.1.2 Test Graph

For LTE Band 13



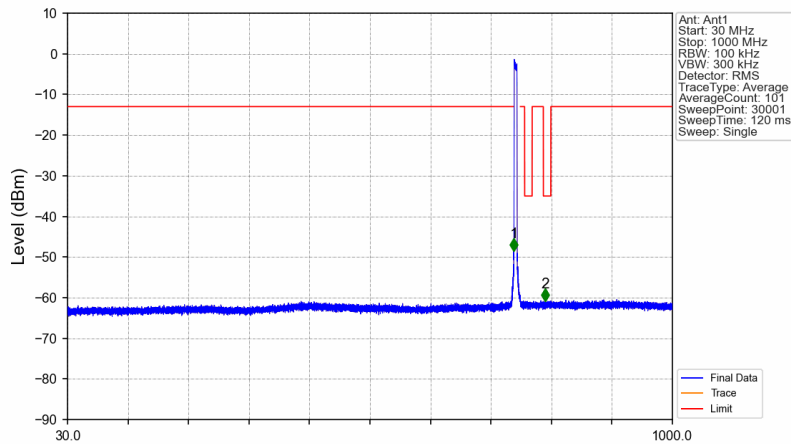
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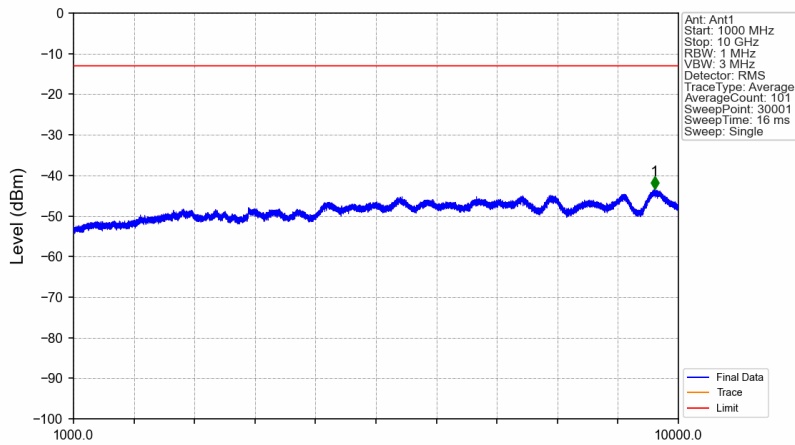
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Band13\_748.5MHz\_AWGN\_SISO\_Ant1\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
30	758	0.1	0	1	745.634	-48.54	-13	Pass
758	758	0.1	0	/	/	/	/	/
758	1000	0.1	0	2	796.171	-60.90	-35	Pass

Band13\_748.5MHz\_AWGN\_SISO\_Ant1\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	10000	1	0	1	9649.300	-43.39	-13	Pass



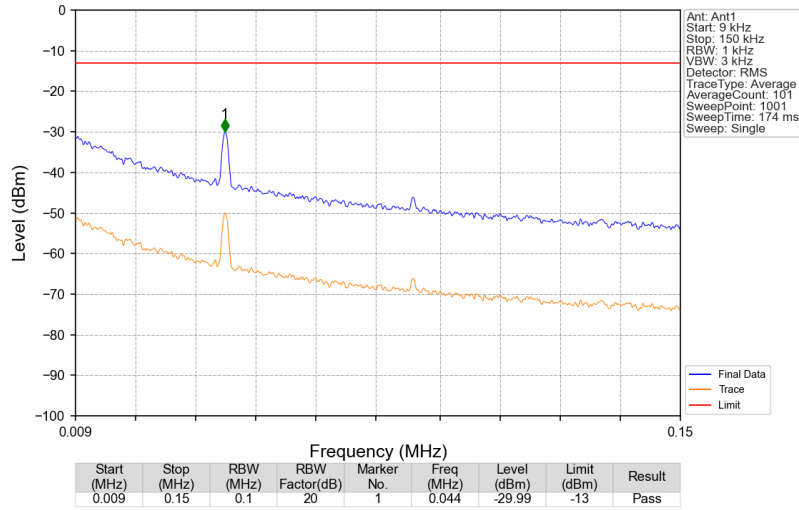
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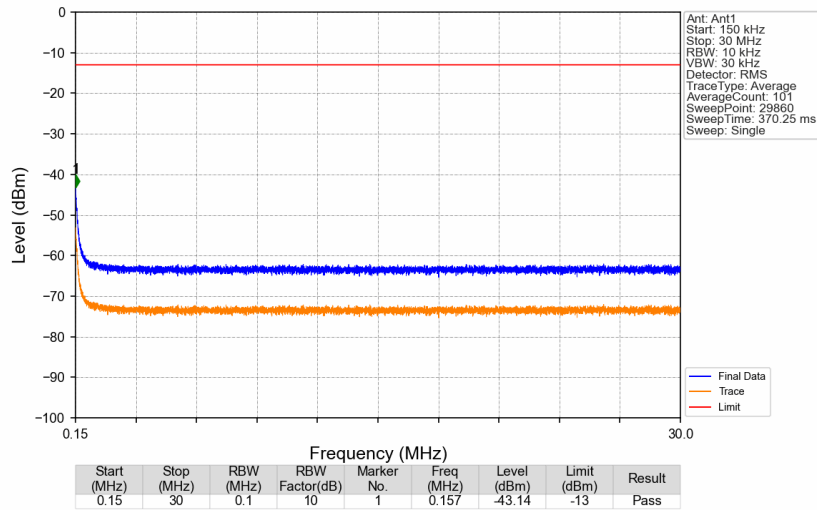
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Band13\_751MHz\_AWGN\_SISO\_Ant1\_NTNV



Band13\_751MHz\_AWGN\_SISO\_Ant1\_NTNV



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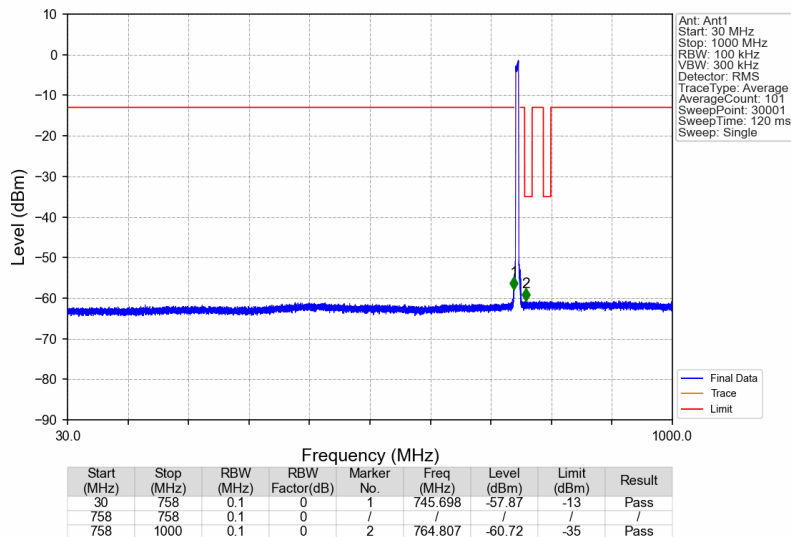
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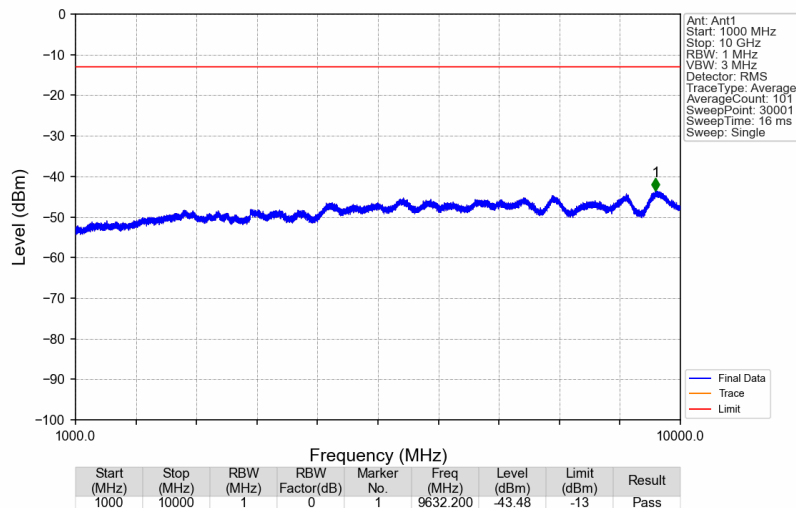


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### Band13\_751MHz\_AWGN\_SISO\_Ant1\_NTNV



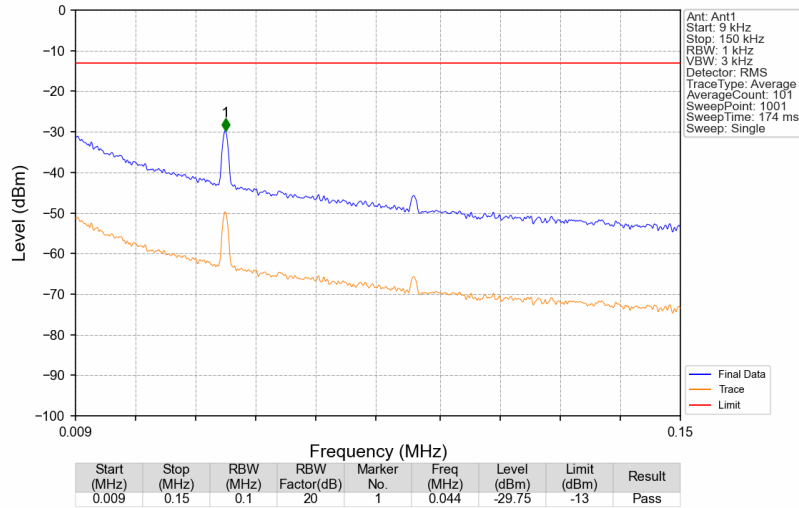
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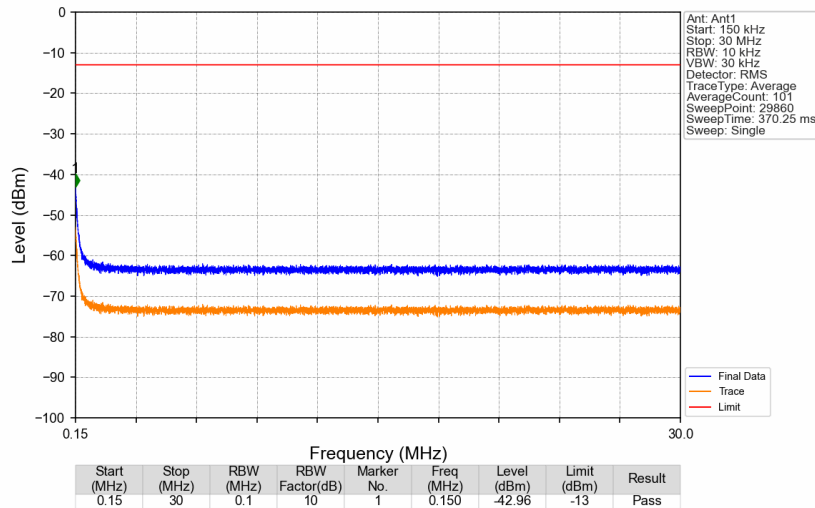
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Band13\_753.5MHz\_AWGN\_SISO\_Ant1\_NTNV



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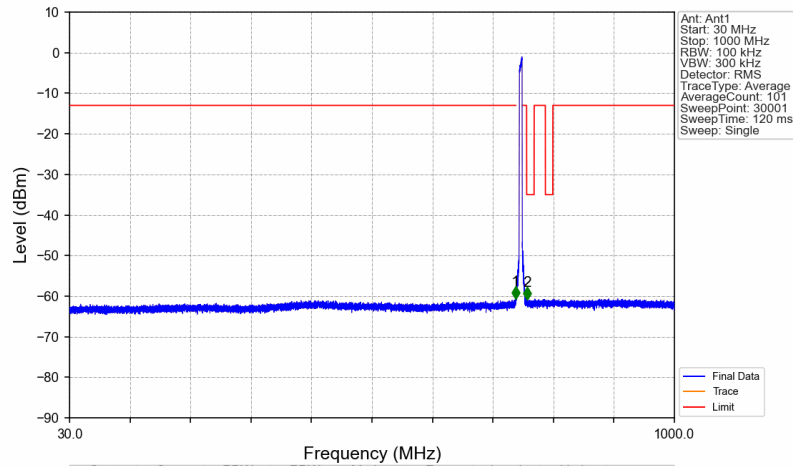
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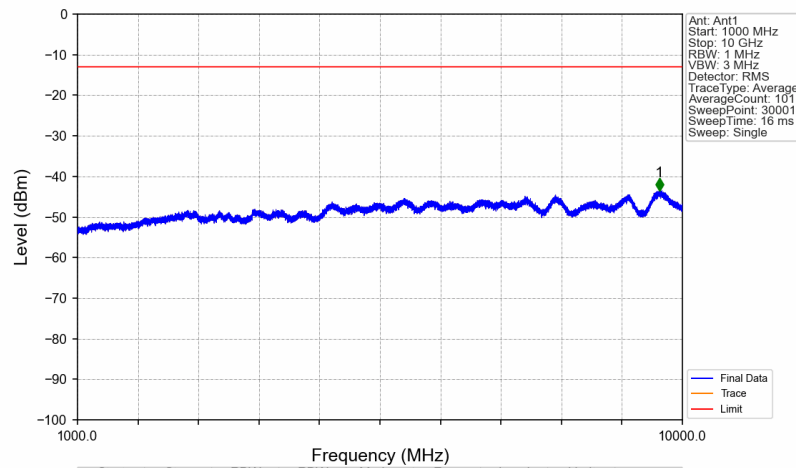
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### Band13\_753.5MHz\_AWGN\_SISO\_Ant1\_NTNV



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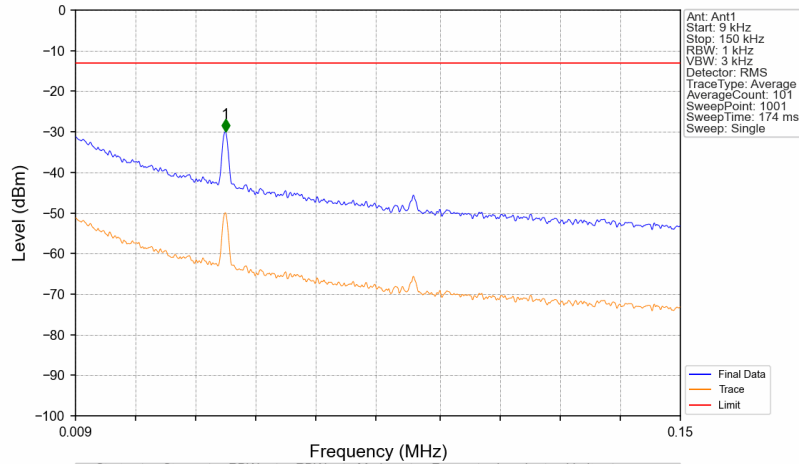
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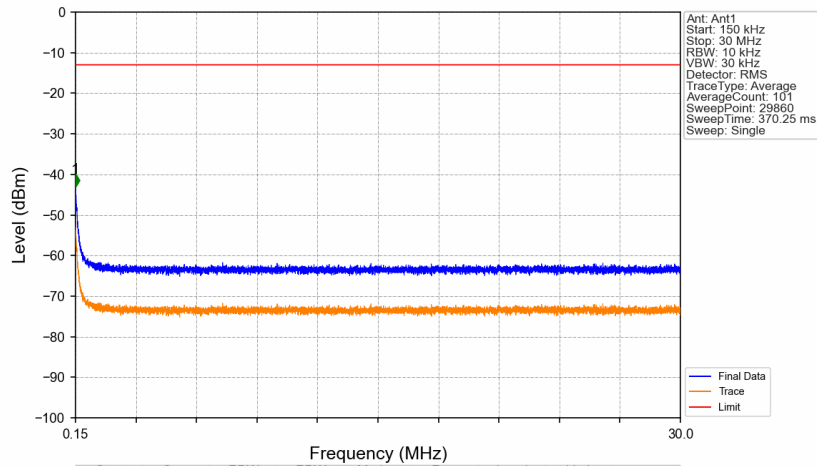
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### Band13\_746.1MHz\_GMSK\_SISO\_Ant1\_NTNV



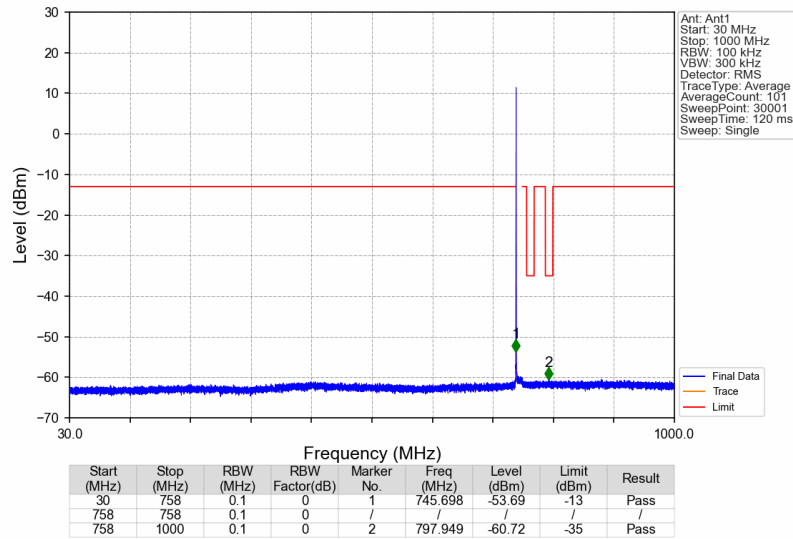
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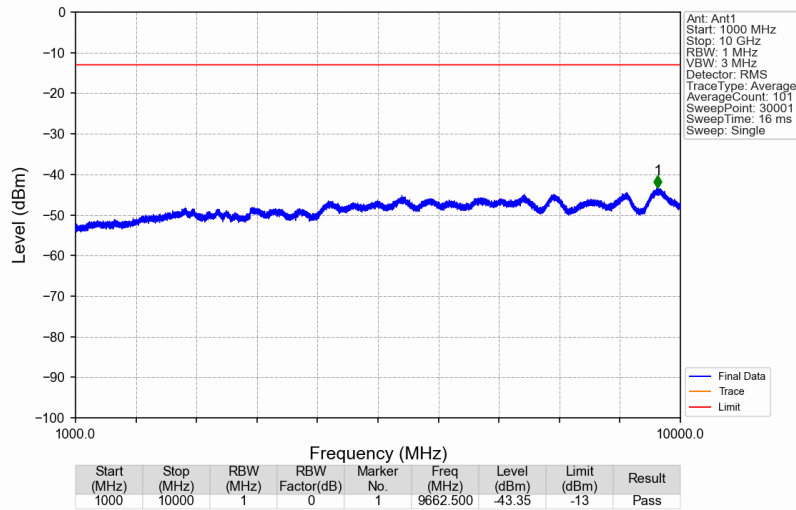
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### Band13\_746.1MHz\_GMSK\_SISO\_Ant1\_NTNV



### Band13\_746.1MHz\_GMSK\_SISO\_Ant1\_NTNV



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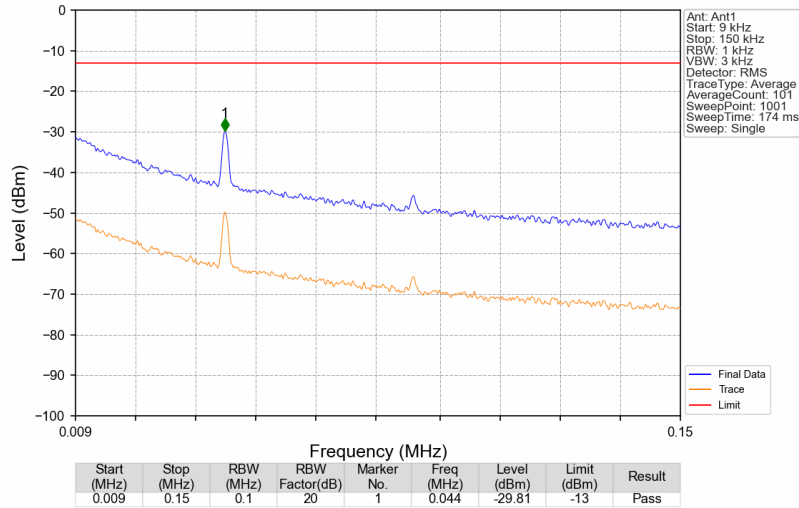
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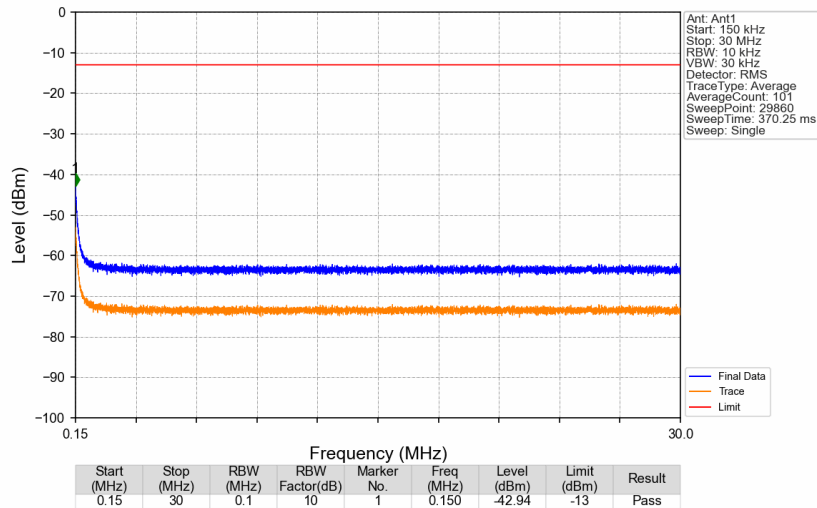
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Band13\_751MHz\_GMSK\_SISO\_Ant1\_NTNV



Band13\_751MHz\_GMSK\_SISO\_Ant1\_NTNV



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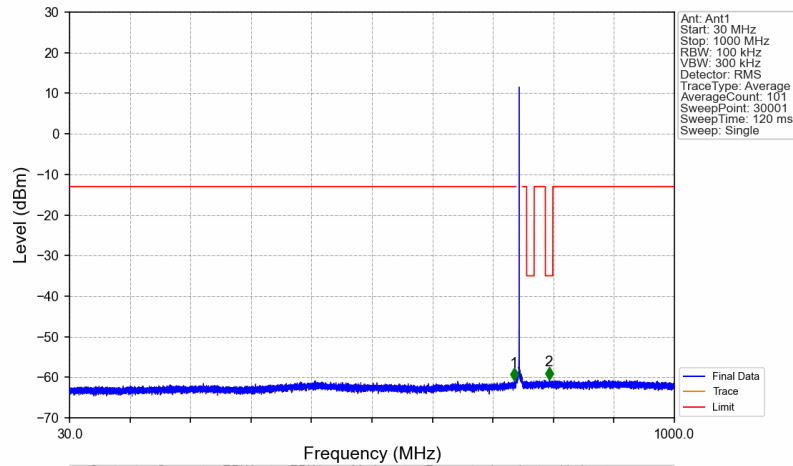
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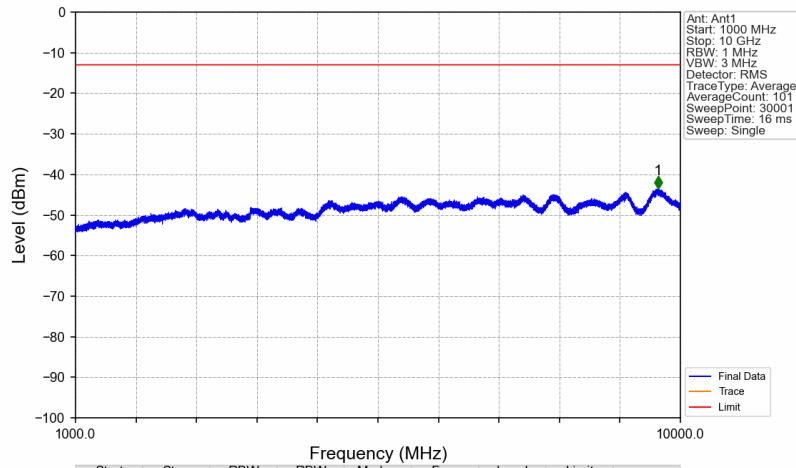
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### Band13\_751MHz\_GMSK\_SISO\_Ant1\_NTNV



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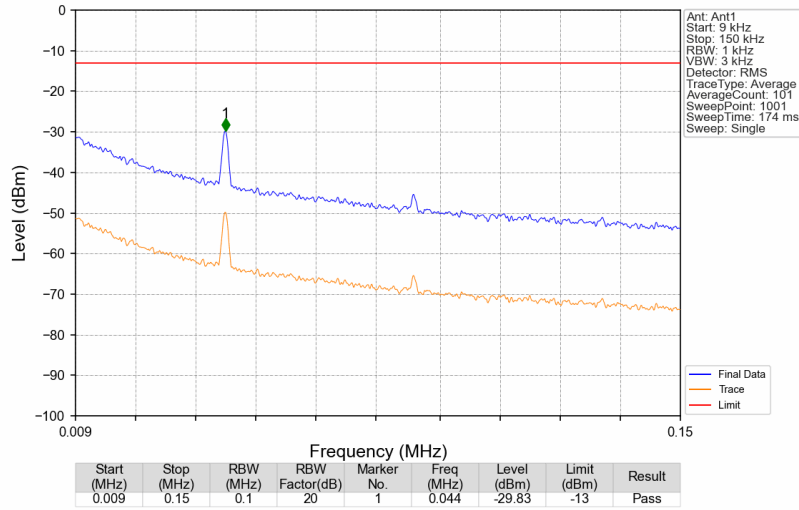
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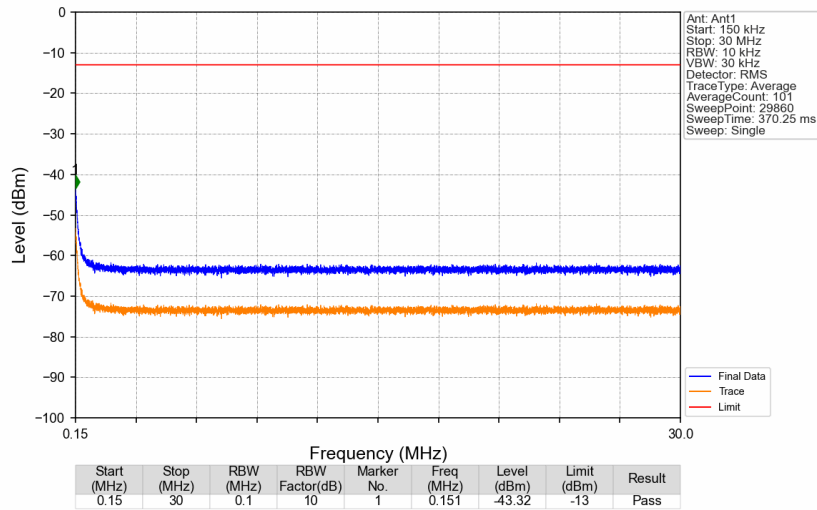
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Band13\_755.9MHz\_GMSK\_SISO\_Ant1\_NTNV



Band13\_755.9MHz\_GMSK\_SISO\_Ant1\_NTNV



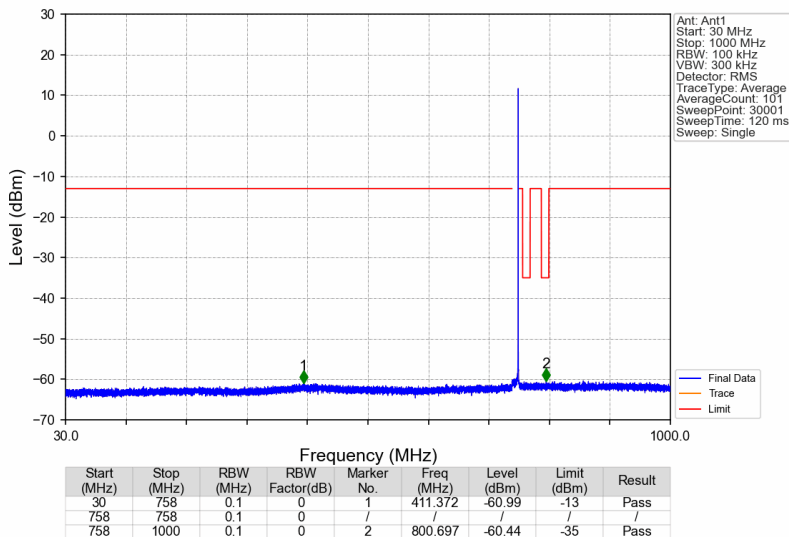
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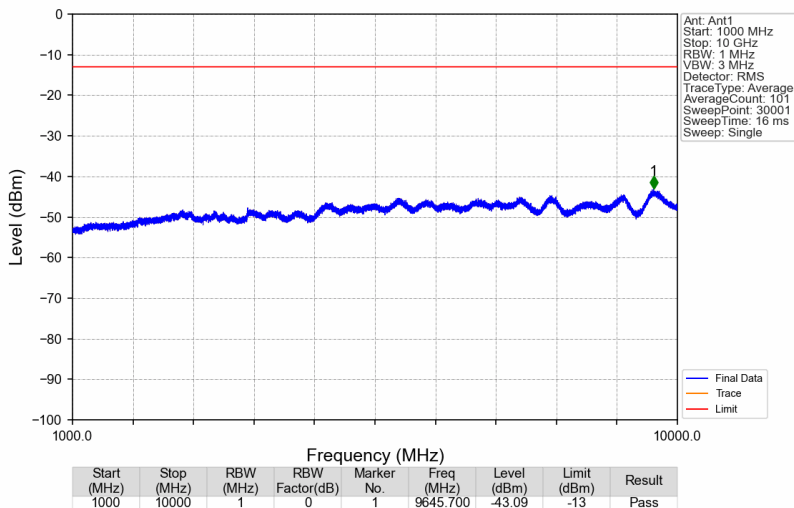
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Band13\_755.9MHz\_GMSK\_SISO\_Ant1\_NTNV



Band13\_755.9MHz\_GMSK\_SISO\_Ant1\_NTNV

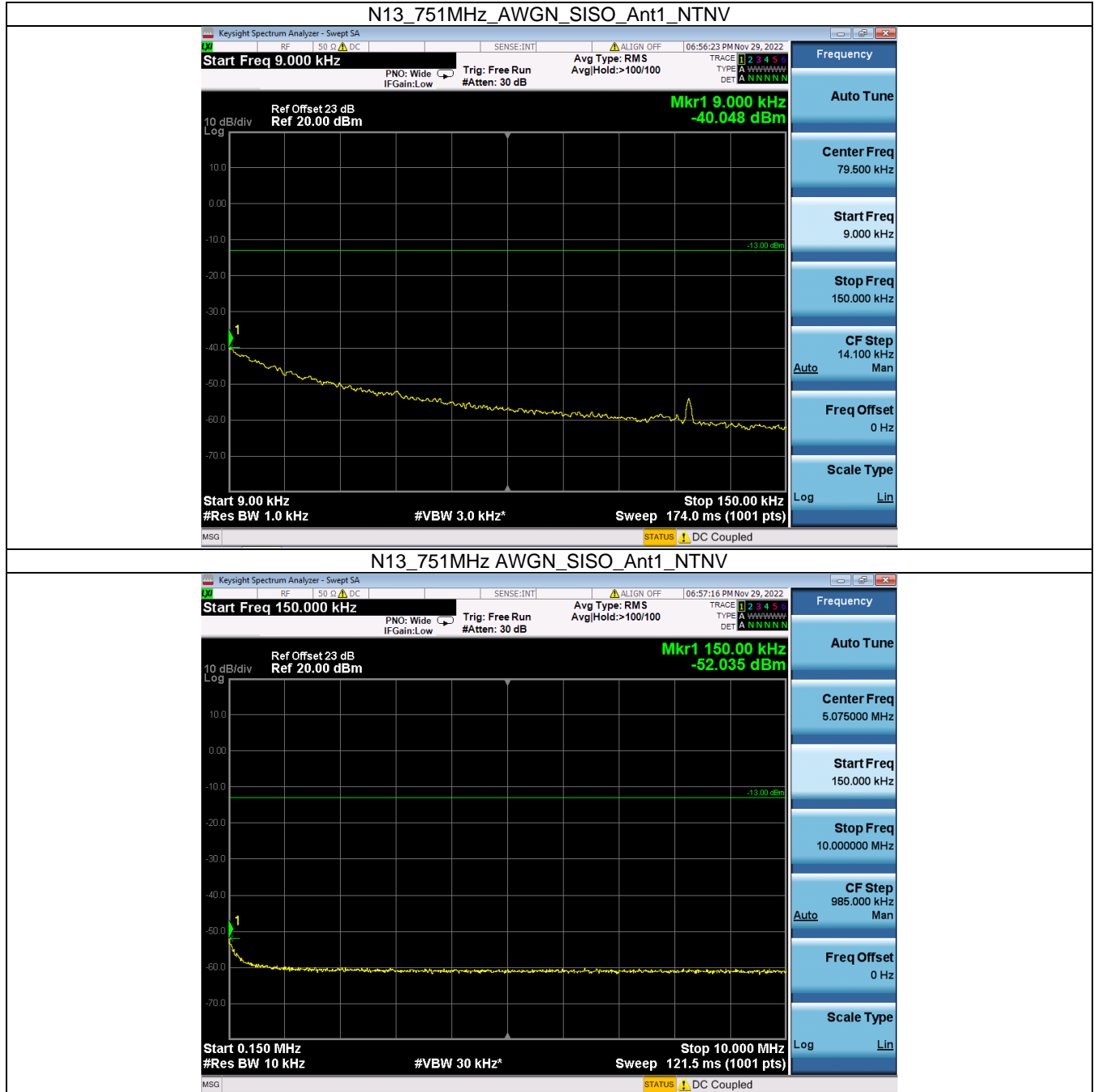


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For 5GNR N13



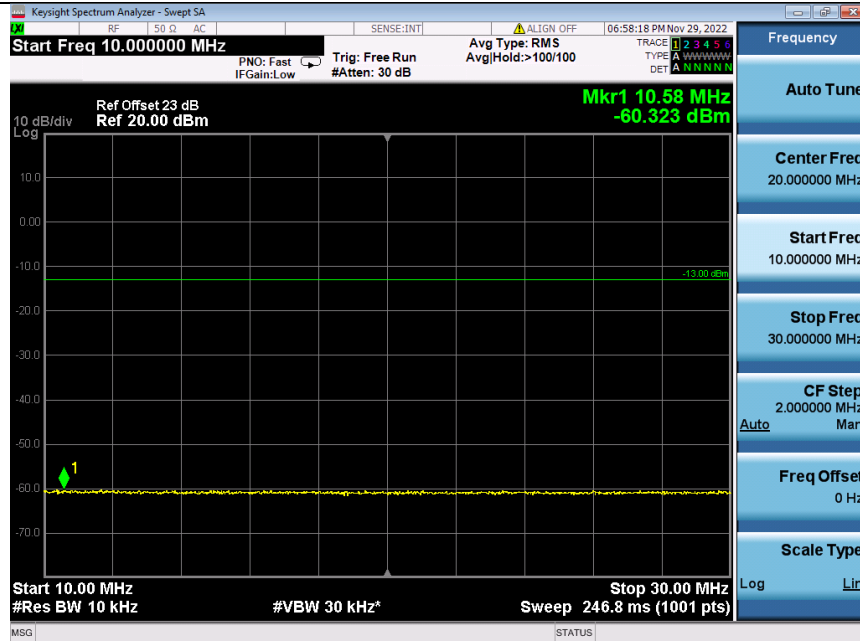
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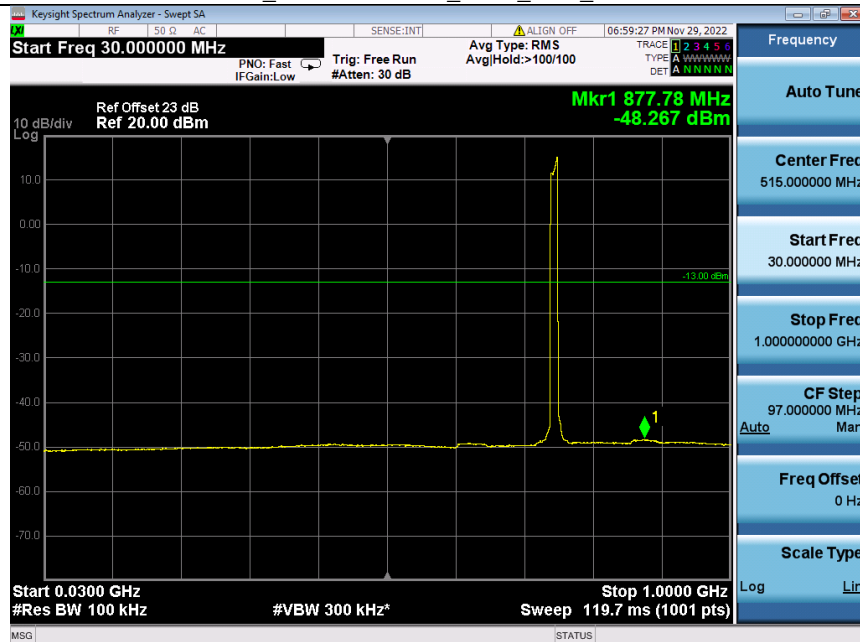
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N13\_751MHz AWGN\_SISO\_Ant1\_NTNV



N13\_751MHz AWGN\_SISO\_Ant1\_NTNV



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Compliance Certification Services (Kunshan) Inc.  
 EMC Laboratory

## 7. Frequency stability measurements

### 7.1 Band13\_Ant1

#### 7.1.1 Test Result

Band: 13 / NTV								
Signal			Temp (°C)	Voltage (VAC)	Freq. Error (Hz)	Tolerance (ppm)	Verdict	
Type	Level (dBm)	Frequency (MHz)						
CW	0.3	746.1	20	102	0	0.00	Pass	
				120	0	0.00	Pass	
				138	0	0.00	Pass	
			-40	120	0	0.00	Pass	
				-30	120	0	0.00	Pass
				-20	120	0	0.00	Pass
			-10	120	0	0.00	Pass	
				0	120	0	0.00	Pass
				10	120	0	0.00	Pass
			30	120	0	0.00	Pass	
				40	120	0	0.00	Pass
				55	120	0	0.00	Pass
		751	20	102	0	0.00	Pass	
				120	0	0.00	Pass	
				138	0	0.00	Pass	
			-40	120	0	0.00	Pass	
				-30	120	0	0.00	Pass
				-20	120	0	0.00	Pass
			-10	120	0	0.00	Pass	
				0	120	0	0.00	Pass
				10	120	0	0.00	Pass
			30	120	0	0.00	Pass	
				40	120	0	0.00	Pass
				55	120	0	0.00	Pass
		755.9	20	102	0	0.00	Pass	
				120	0	0.00	Pass	
				138	0	0.00	Pass	
			-40	120	0	0.00	Pass	
				-30	120	0	0.00	Pass
				-20	120	0	0.00	Pass
-10	120		0	0.00	Pass			
	0		120	0	0.00	Pass		
	10		120	0	0.00	Pass		
30	120		0	0.00	Pass			
	40		120	0	0.00	Pass		
	55		120	0	0.00	Pass		



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## 8. Radiated Spurious Emissions

### 8.1 Band13\_Ant1

#### 8.1.1 Test Result

For LTE Band 13

AWGN_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
368.3	Horizontal	-68.89	-13	-55.89	pass
596.1	Horizontal	-66.06	-13	-53.06	pass
936.0	Horizontal	-61.73	-13	-48.73	pass
1358.4	Horizontal	-58.19	-13	-45.19	pass
2770.3	Horizontal	-54.69	-13	-41.69	pass
6317.3	Horizontal	-47.86	-13	-34.86	pass
400.0	Vertical	-68.80	-13	-55.80	pass
579.1	Vertical	-66.05	-13	-53.05	pass
944.1	Vertical	-56.40	-13	-43.40	pass
1365.4	Vertical	-61.10	-13	-48.10	pass
2734.8	Vertical	-56.75	-13	-43.75	pass
6277.8	Vertical	-47.27	-13	-34.27	pass

AWGN_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
382.8	Horizontal	-67.89	-13	-54.89	pass
581.7	Horizontal	-62.49	-13	-49.49	pass
928.0	Horizontal	-58.27	-13	-45.27	pass
1335.0	Horizontal	-58.13	-13	-45.13	pass
2746.0	Horizontal	-54.21	-13	-41.21	pass
6284.3	Horizontal	-49.43	-13	-36.43	pass
376.1	Vertical	-71.17	-13	-58.17	pass
574.2	Vertical	-65.37	-13	-52.37	pass
964.8	Vertical	-60.60	-13	-47.60	pass
1356.1	Vertical	-61.47	-13	-48.47	pass
2754.1	Vertical	-55.83	-13	-42.83	pass
6282.7	Vertical	-47.84	-13	-34.84	pass

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AWGN_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization	dBm	dB	
386.1	Horizontal	-66.86	-13	-53.86	pass
567.9	Horizontal	-63.01	-13	-50.01	pass
944.8	Horizontal	-61.56	-13	-48.56	pass
1354.2	Horizontal	-60.12	-13	-47.12	pass
2748.7	Horizontal	-52.67	-13	-39.67	pass
6319.5	Horizontal	-48.38	-13	-35.38	pass
381.2	Vertical	-69.32	-13	-56.32	pass
609.5	Vertical	-64.60	-13	-51.60	pass
939.5	Vertical	-56.78	-13	-43.78	pass
1336.8	Vertical	-56.22	-13	-43.22	pass
2757.6	Vertical	-55.89	-13	-42.89	pass
6299.2	Vertical	-49.03	-13	-36.03	pass

GMSK_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization	dBm	dB	
388.3	Horizontal	-69.16	-13	-56.16	pass
590.1	Horizontal	-63.43	-13	-50.43	pass
950.1	Horizontal	-58.47	-13	-45.47	pass
1342.5	Horizontal	-58.88	-13	-45.88	pass
2741.8	Horizontal	-56.07	-13	-43.07	pass
6299.1	Horizontal	-50.47	-13	-37.47	pass
368.7	Vertical	-67.51	-13	-54.51	pass
599.6	Vertical	-65.69	-13	-52.69	pass
974.4	Vertical	-56.94	-13	-43.94	pass
1363.3	Vertical	-58.73	-13	-45.73	pass
2759.0	Vertical	-51.09	-13	-38.09	pass
6302.5	Vertical	-49.38	-13	-36.38	pass



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GMSK_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
394.4	Horizontal	-71.55	-13	-58.55	pass
586.0	Horizontal	-65.07	-13	-52.07	pass
950.0	Horizontal	-57.51	-13	-44.51	pass
1365.9	Horizontal	-57.17	-13	-44.17	pass
2746.3	Horizontal	-54.78	-13	-41.78	pass
6285.6	Horizontal	-51.13	-13	-38.13	pass
371.6	Vertical	-68.87	-13	-55.87	pass
598.5	Vertical	-66.82	-13	-53.82	pass
944.6	Vertical	-57.56	-13	-44.56	pass
1364.2	Vertical	-60.73	-13	-47.73	pass
2752.0	Vertical	-54.58	-13	-41.58	pass
6320.7	Vertical	-47.67	-13	-34.67	pass

GMSK_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
403.7	Horizontal	-68.62	-13	-55.62	pass
599.2	Horizontal	-63.21	-13	-50.21	pass
929.7	Horizontal	-56.63	-13	-43.63	pass
1344.8	Horizontal	-56.06	-13	-43.06	pass
2769.6	Horizontal	-55.86	-13	-42.86	pass
6292.5	Horizontal	-48.88	-13	-35.88	pass
386.9	Vertical	-67.64	-13	-54.64	pass
577.7	Vertical	-61.38	-13	-48.38	pass
940.3	Vertical	-61.00	-13	-48.00	pass
1357.0	Vertical	-56.93	-13	-43.93	pass
2731.8	Vertical	-55.66	-13	-42.66	pass
6309.7	Vertical	-48.55	-13	-35.55	pass



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For 5GNR N13

AWGN_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization	dBm	dB	
380.3	Horizontal	-71.35	-13	-58.35	pass
585.9	Horizontal	-64.96	-13	-51.96	pass
969.2	Horizontal	-59.36	-13	-46.36	pass
1332.9	Horizontal	-61.70	-13	-48.70	pass
2750.1	Horizontal	-55.55	-13	-42.55	pass
6301.2	Horizontal	-47.59	-13	-34.59	pass
360.5	Vertical	-69.42	-13	-56.42	pass
564.2	Vertical	-65.29	-13	-52.29	pass
927.4	Vertical	-61.09	-13	-48.09	pass
1346.9	Vertical	-59.67	-13	-46.67	pass
2753.6	Vertical	-56.34	-13	-43.34	pass
6310.1	Vertical	-51.03	-13	-38.03	pass

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