

Appendix for KSCR2211002212AT-LTE-Band25+5G NR-N25

1. Out of band rejection

1.1 Band25

1.1.1 Test Result

Band: 25 / NTN							
Signal	Sweep Frequency Range (MHz)	TX Type	ANT	F0 (MHz)	FL (MHz)	FH (MHz)	Verdict
CW	1800 - 2125	SISO	1	1975.500	1928.700	1997.275	Pass

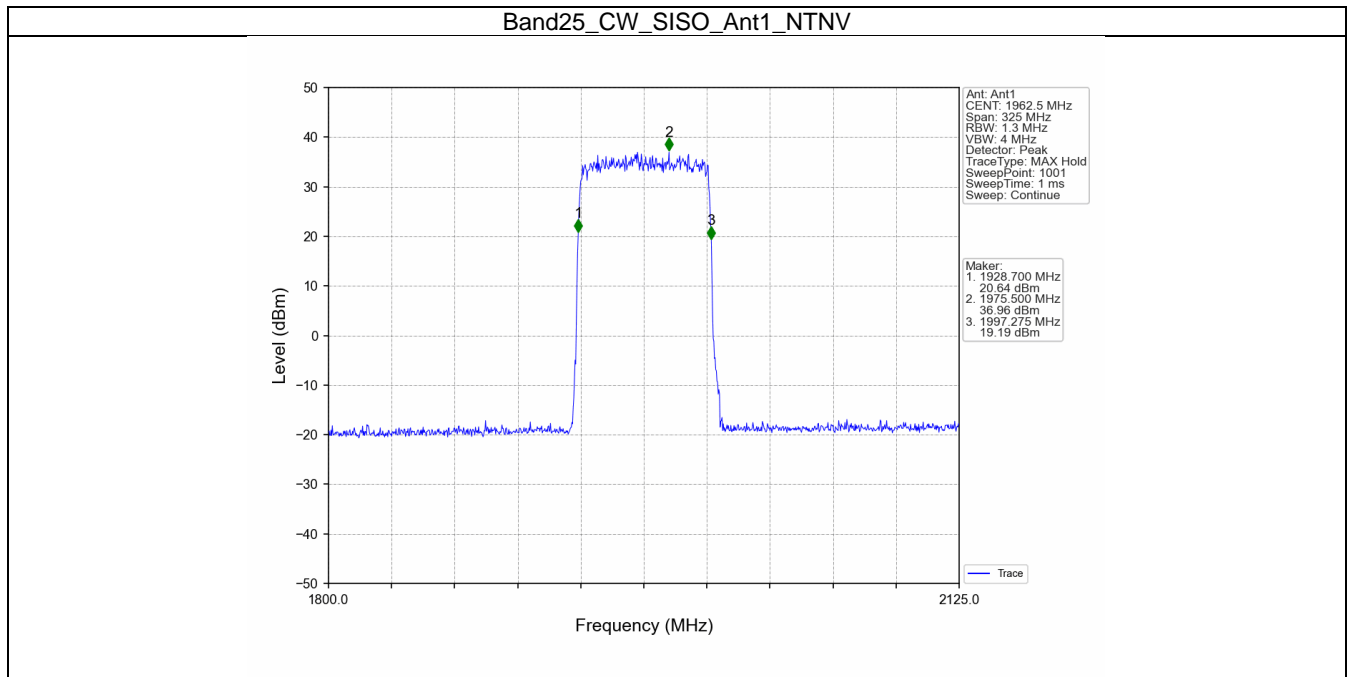


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1.1.2 Test Graph



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## 2. AGC threshold

### 2.1 Band25

#### 2.1.1 Test Result

Band: 25 / NTNV					
Signal	Frequency (MHz)	TX Type	ANT	AGC Threshold (dBm)	Verdict
AWGN	1975.5	SISO	1	-0.30	Pass
GMSK	1975.5	SISO	1	-0.30	Pass



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

#### 3.1 Band25\_OBW

##### 3.1.1 Test Result

For LTE Band 25

Band: 25 / NTN							
Type	Signal		TX Type	ANT	99% OBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	-0.3	1975.5	SISO	1	4.540	4.530	Pass
	2.7	1975.5	SISO	1	4.540	4.543	Pass
GMSK	-0.3	1975.5	SISO	1	0.245	0.245	Pass
	2.7	1975.5	SISO	1	0.244	0.244	Pass

For 5G NR N25

N25 / NTN							
Type	Signal		TX Type	ANT	99% OBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	-0.3	1963	SISO	1	41.651	41.652	Pass
	2.7	1963	SISO	1	41.508	41.742	Pass

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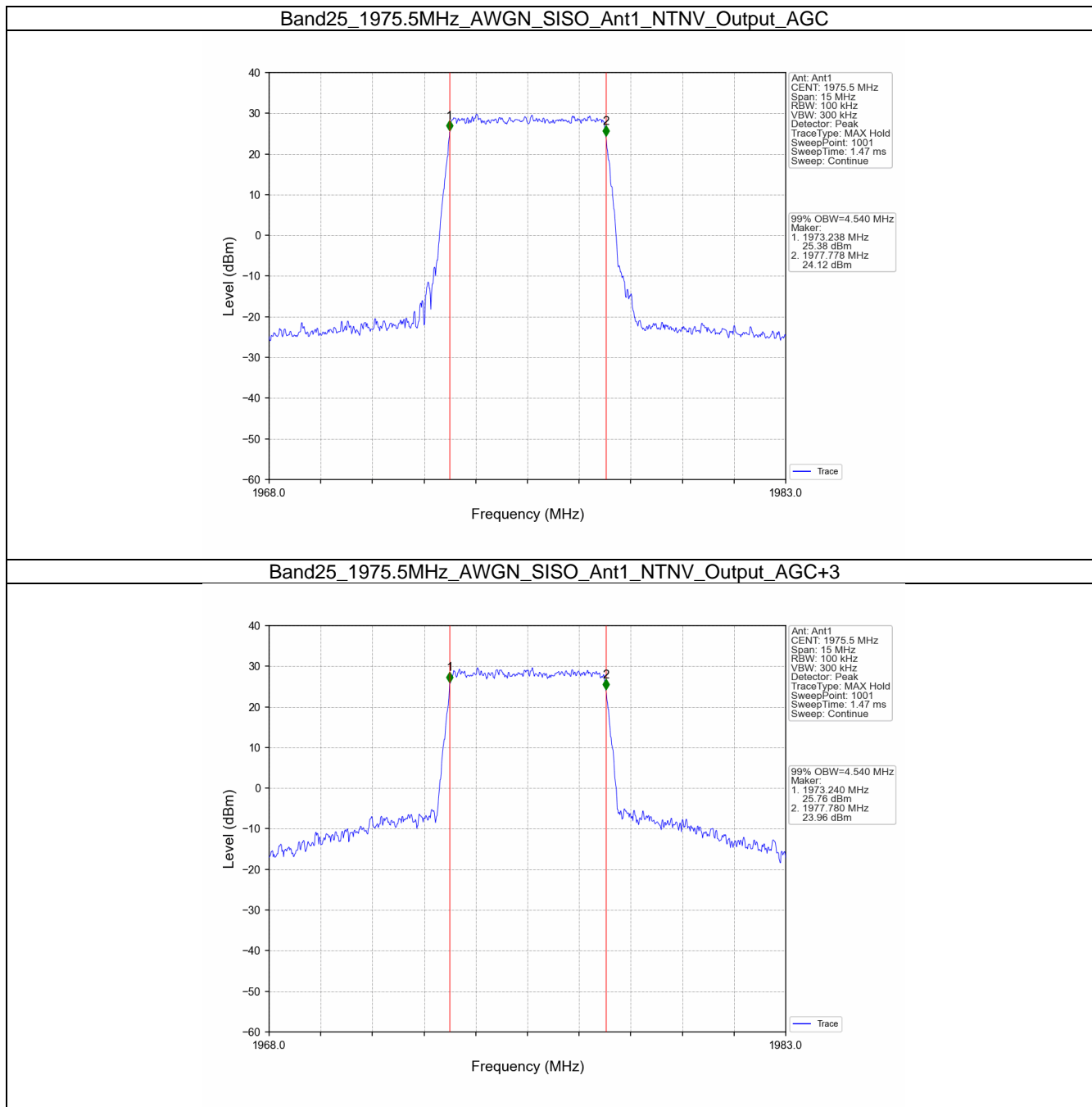
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### 3.1.2 Test Graph

For LTE Band 25

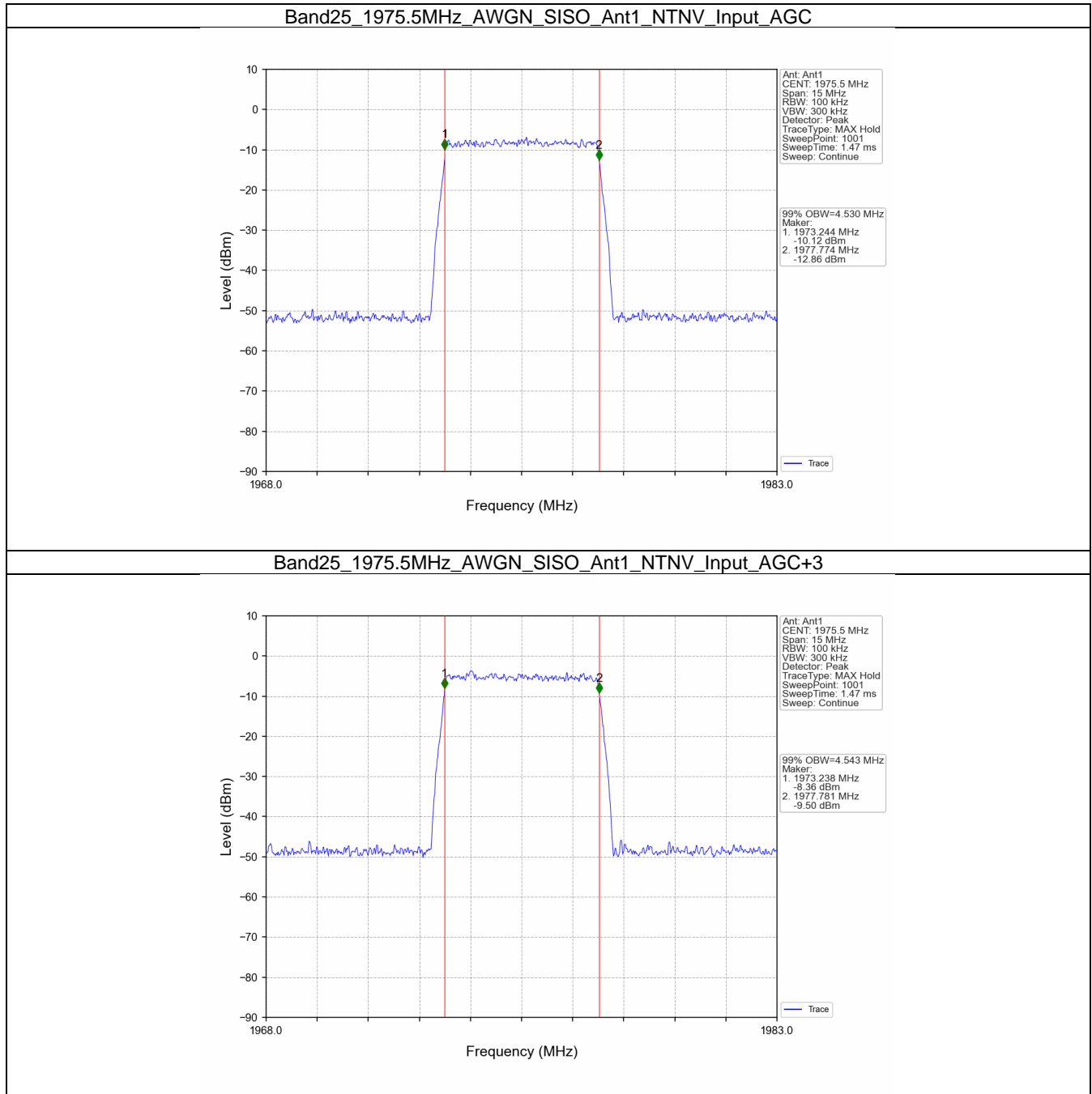


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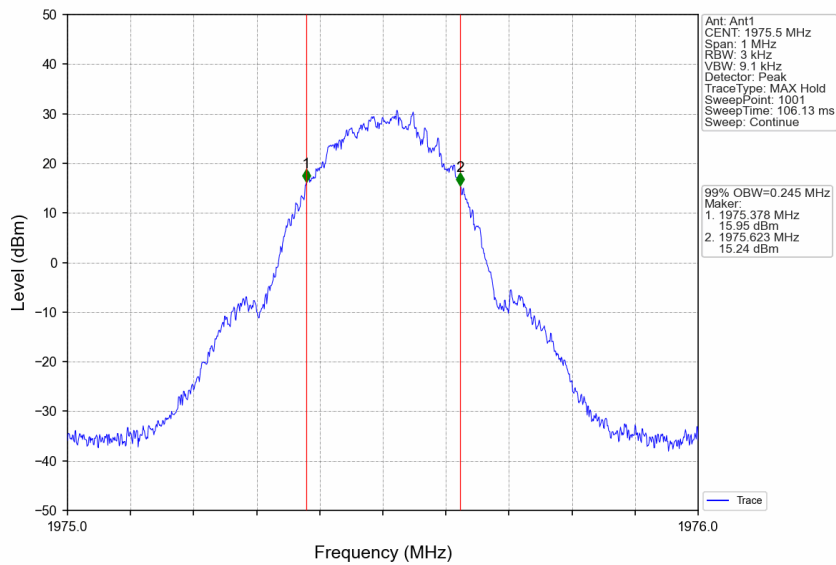
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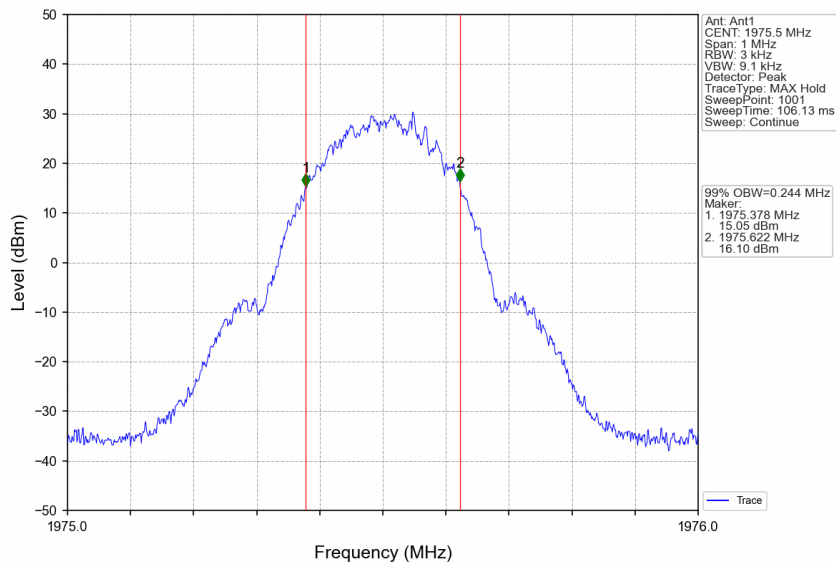
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Band25\_1975.5MHz\_GMSK\_SISO\_Ant1\_NTNV\_Output\_AGC



Band25\_1975.5MHz\_GMSK\_SISO\_Ant1\_NTNV\_Output\_AGC+3

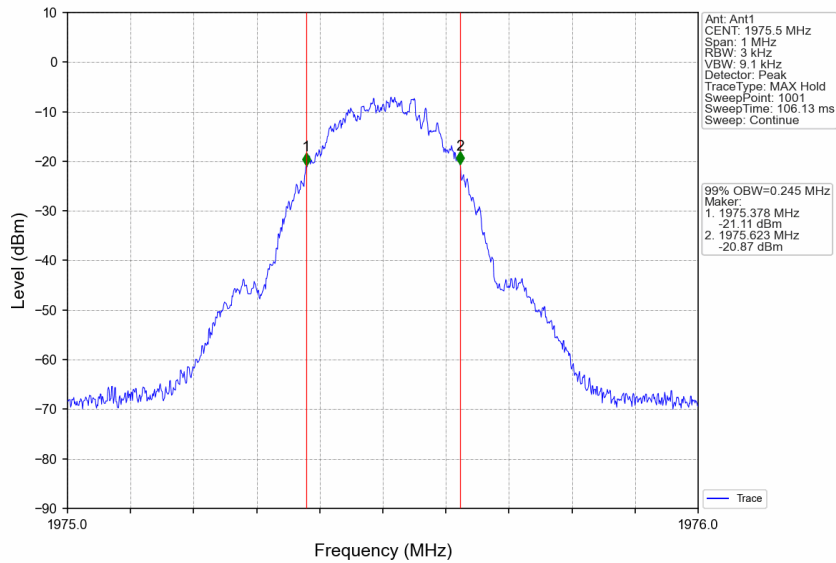


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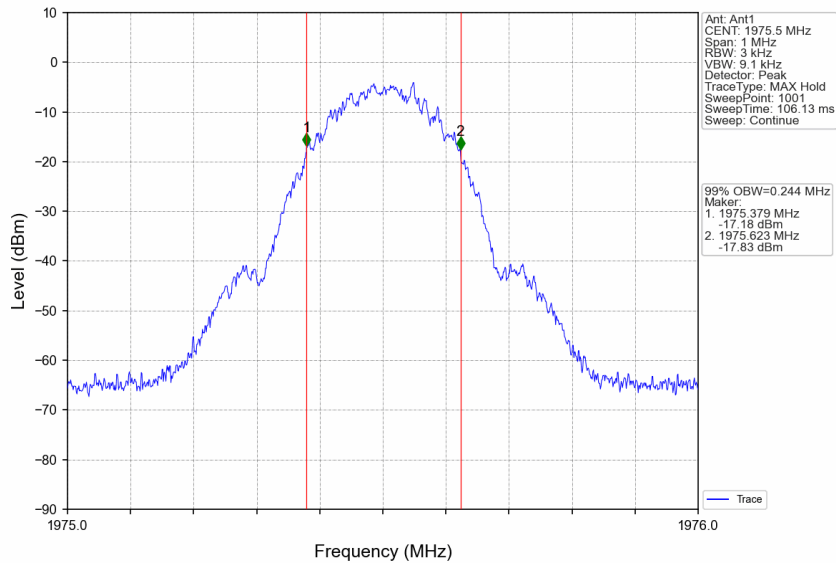
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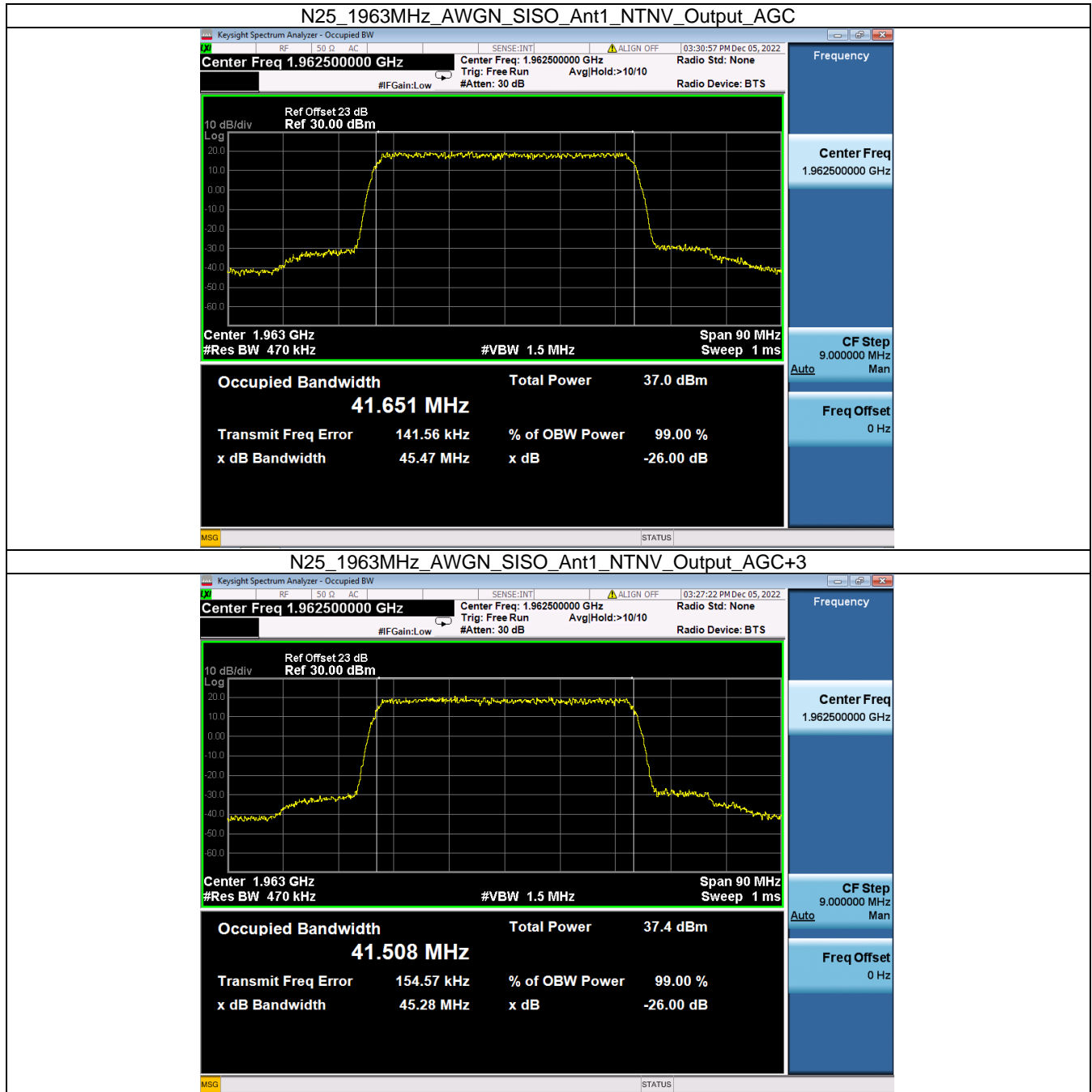
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For 5G NR N25



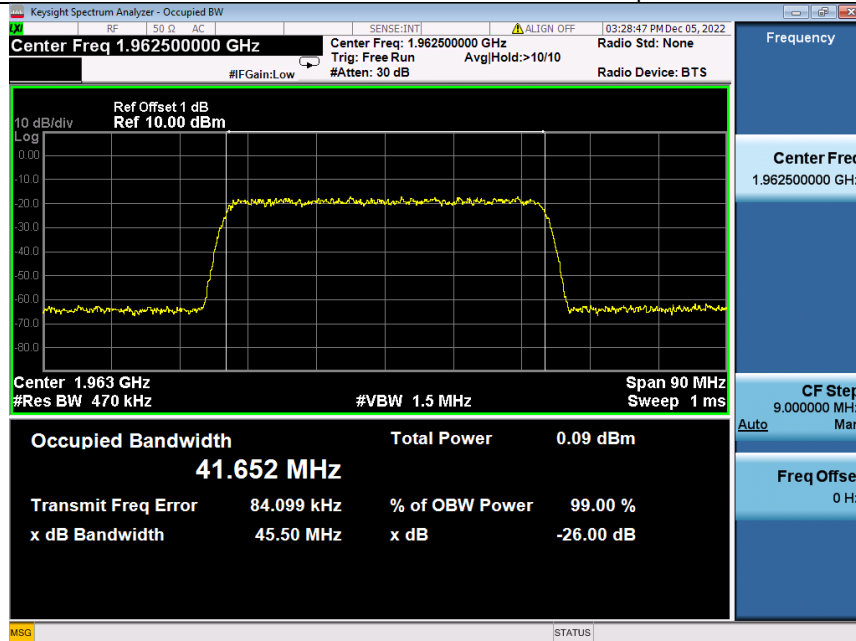
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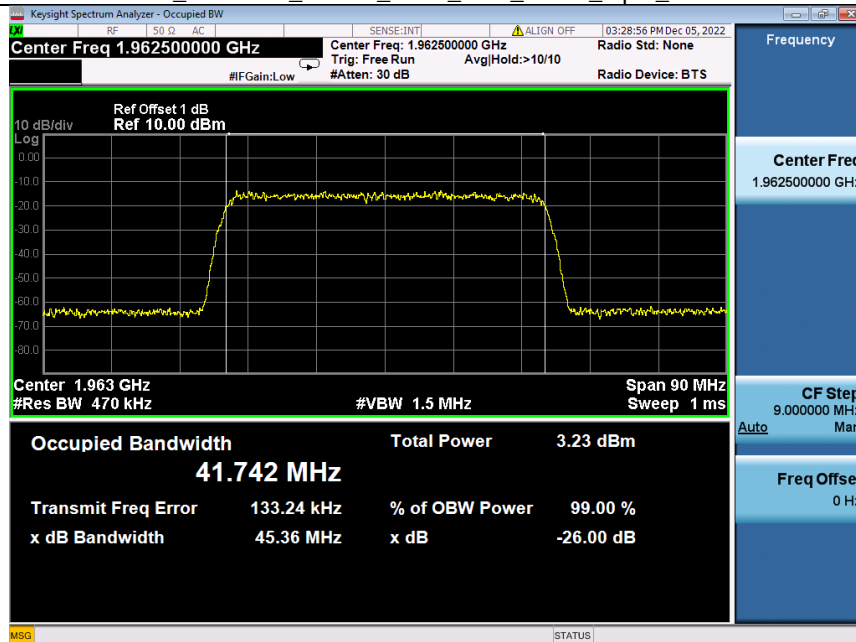
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3.2 Band25\_EBW

3.2.1 Test Result

For LTE Band 25

Band: 25 / NTNV							
Type	Signal		TX Type	ANT	26dB EBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	-0.3	1975.5	SISO	1	5.066	5.060	Pass
	2.7	1975.5	SISO	1	5.053	5.045	Pass
GMSK	-0.3	1975.5	SISO	1	0.312	0.315	Pass
	2.7	1975.5	SISO	1	0.313	0.315	Pass

For 5GNR N25

N25 / NTNV							
Type	Signal		TX Type	ANT	26dB EBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	-0.3	1963	SISO	1	45.47	45.50	Pass
	2.7	1963	SISO	1	45.28	45.36	Pass

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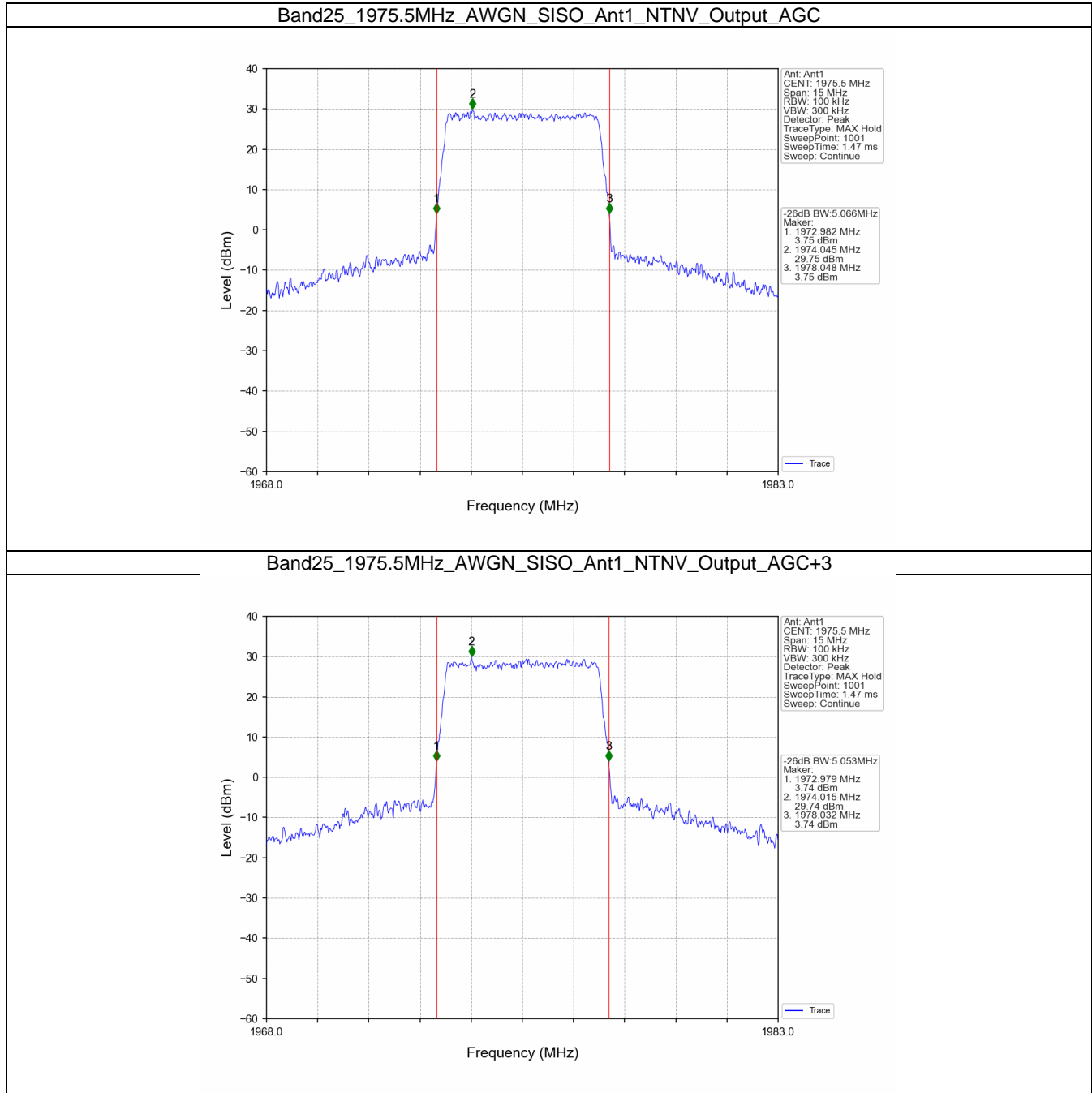
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3.2.2 Test Graph

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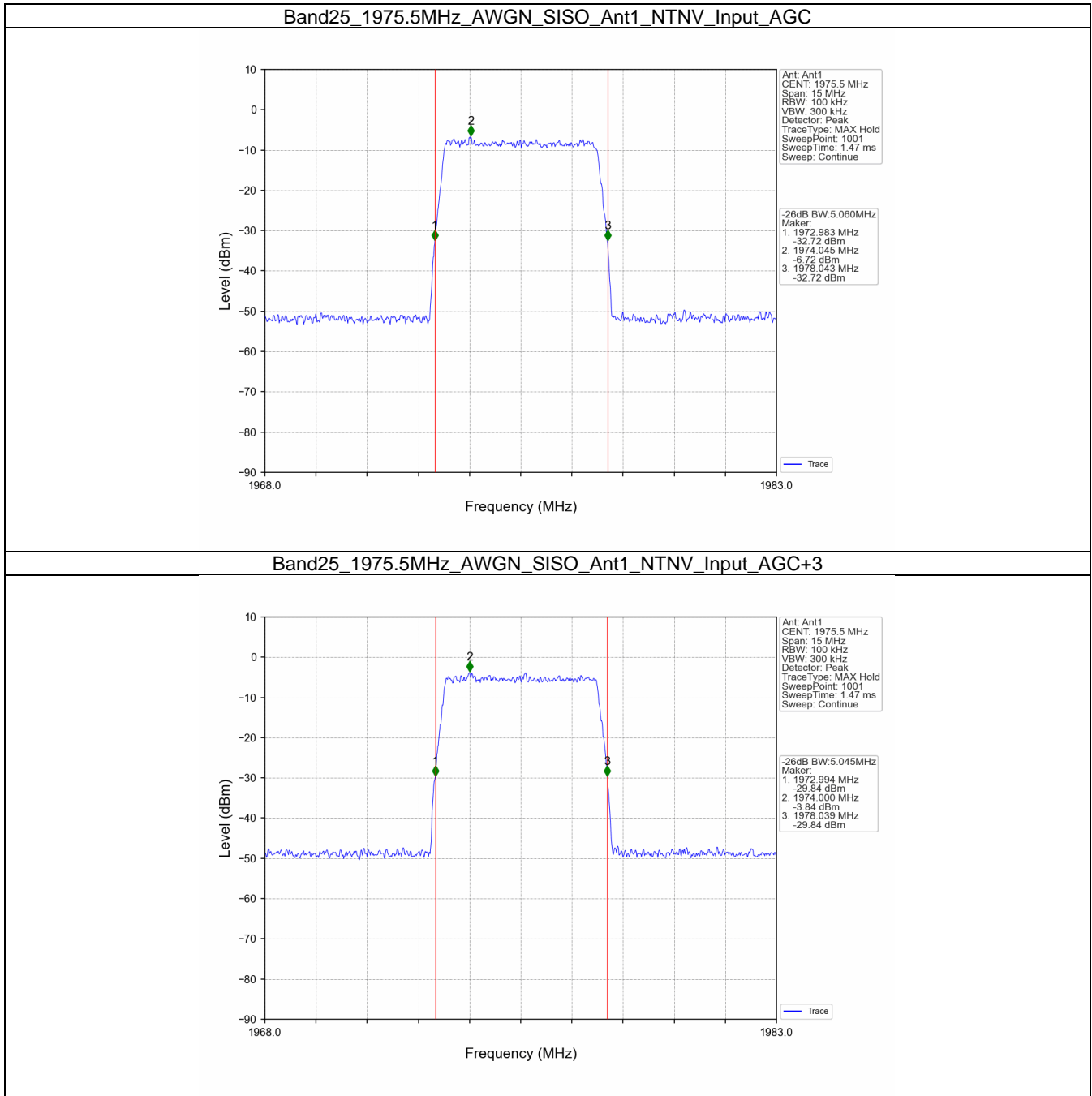


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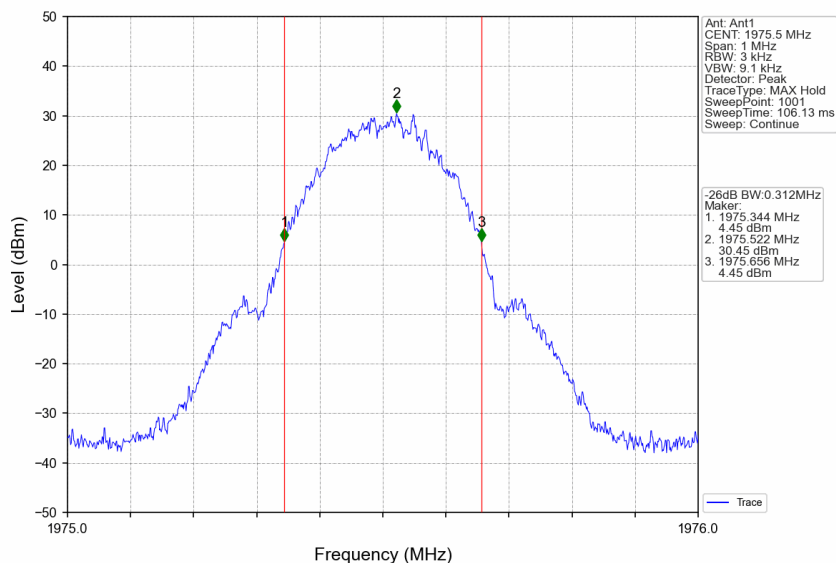
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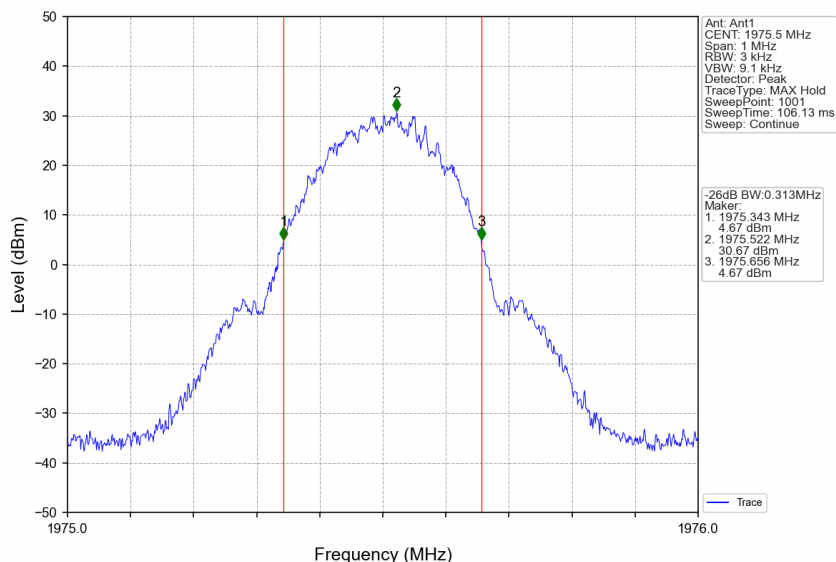
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Band25\_1975.5MHz\_GMSK\_SISO\_Ant1\_NTNV\_Output\_AGC+3



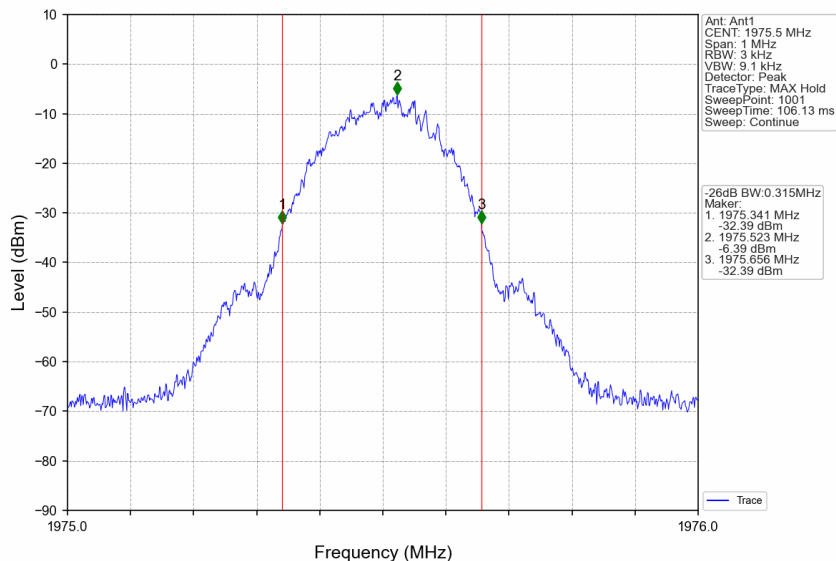
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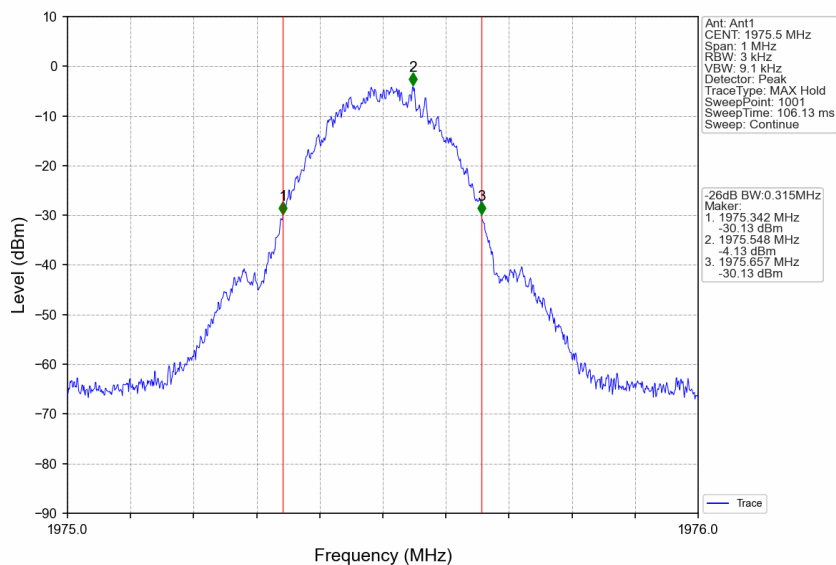
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Band25\_1975.5MHz\_GMSK\_SISO\_Ant1\_NTNV\_Input\_AGC



Band25\_1975.5MHz\_GMSK\_SISO\_Ant1\_NTNV\_Input\_AGC+3



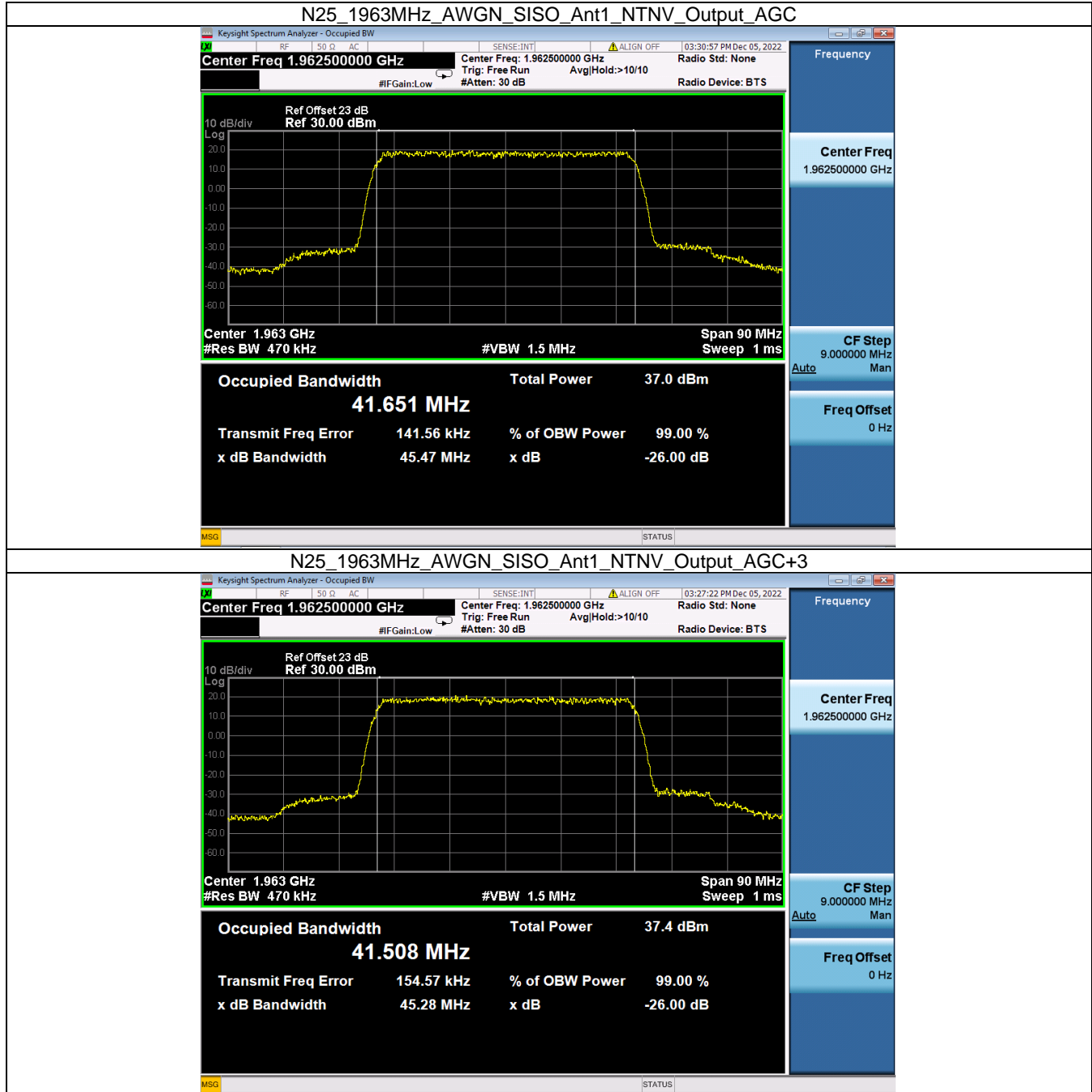
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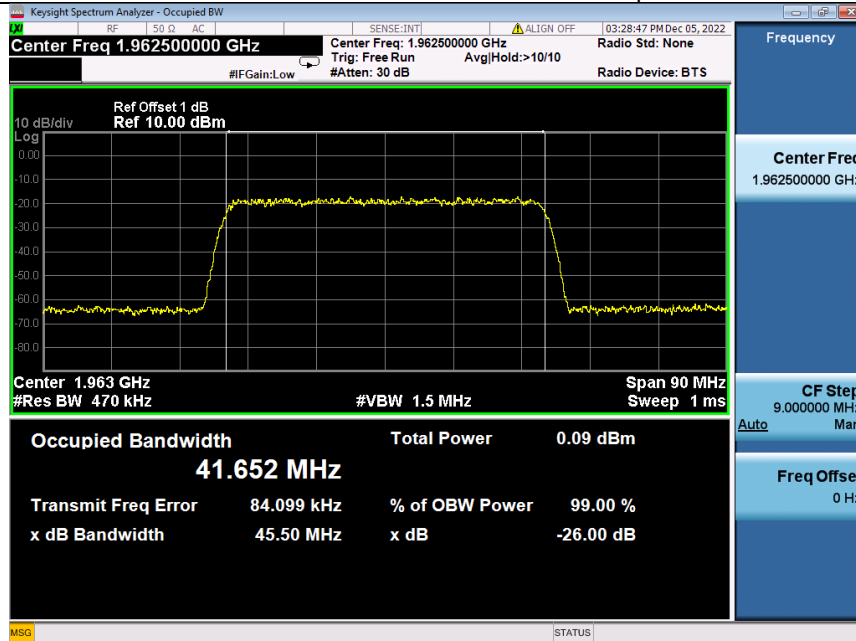
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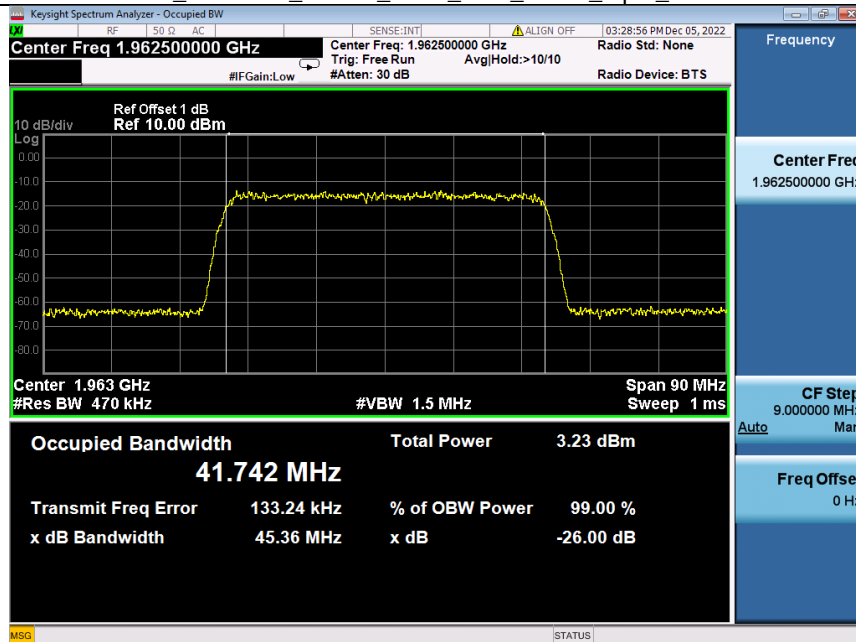
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N25\_1963MHz\_AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC



N25\_1963MHz\_AWGN\_SISO\_Ant1\_NTNV\_Input\_AGC+3



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#### 4. Input/output power and amplifier/booster gain

##### 4.1 Band25\_EIRP

##### 4.1.1 Test Result

For LTE Band 25

Band: 25 / NTV										
Signal			TX Type	ANT	Conducted Power (dBm/MHz)		EIRP (dBm/MHz)		Booster Gain (dB)	Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	Result	Limit		
AWGN	-0.3	1975.5	SISO	1	30.07	-7.35	42.07	<=62.15	37.42	Pass
	2.7	1975.5	SISO	1	30.75	-4.32	42.75	<=62.15	/	Pass
GMSK	-0.3	1975.5	SISO	1	37.49	-0.33	49.49	<=62.15	37.82	Pass
	2.7	1975.5	SISO	1	37.55	2.68	49.55	<=62.15	/	Pass

1930MHz-1995MHz / NTV							
Operation Band	Frequency (MHz)	Signal	Signal Level	Input Power (dBm)	Total Output Power (dBm)	EIRP(dBm)	Gain (dB)
					SISO	SISO	
1930MHz-1995MHz	1975.5	AWGN	Pre-AGC	-0.3	37.06	49.06	/
			3dB Above AGC	2.7	37.74	49.74	/
	1975.5	GMSK	Pre-AGC	-0.3	37.49	49.49	/
			3dB Above AGC	2.7	37.55	49.55	/

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For 5GNR N25

N25 / N25V										
Signal			TX Type	ANT	Conducted Power (dBm/MHz)		EIRP (dBm/MHz)		Booster Gain (dB)	Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	Result	Limit		
AWGN	-0.3	1962.5	SISO	1	20.56	-16.74	32.56	<=62.15	37.30	Pass
	2.7	1962.5	SISO	1	20.91	-16.72	32.91	<=62.15	/	Pass

1930MHz-1995MHz / N25V							
Operation Band	Frequency (MHz)	Signal	Signal Level	Input Power (dBm)	Total Output Power (dBm)	EIRP(dBm)	Gain (dB)
					SISO	SISO	
1930MHz-1995MHz	1962.5	AWGN	Pre-AGC	-0.3	37.09	49.09	/
			3dB Above AGC	2.7	37.44	49.44	/

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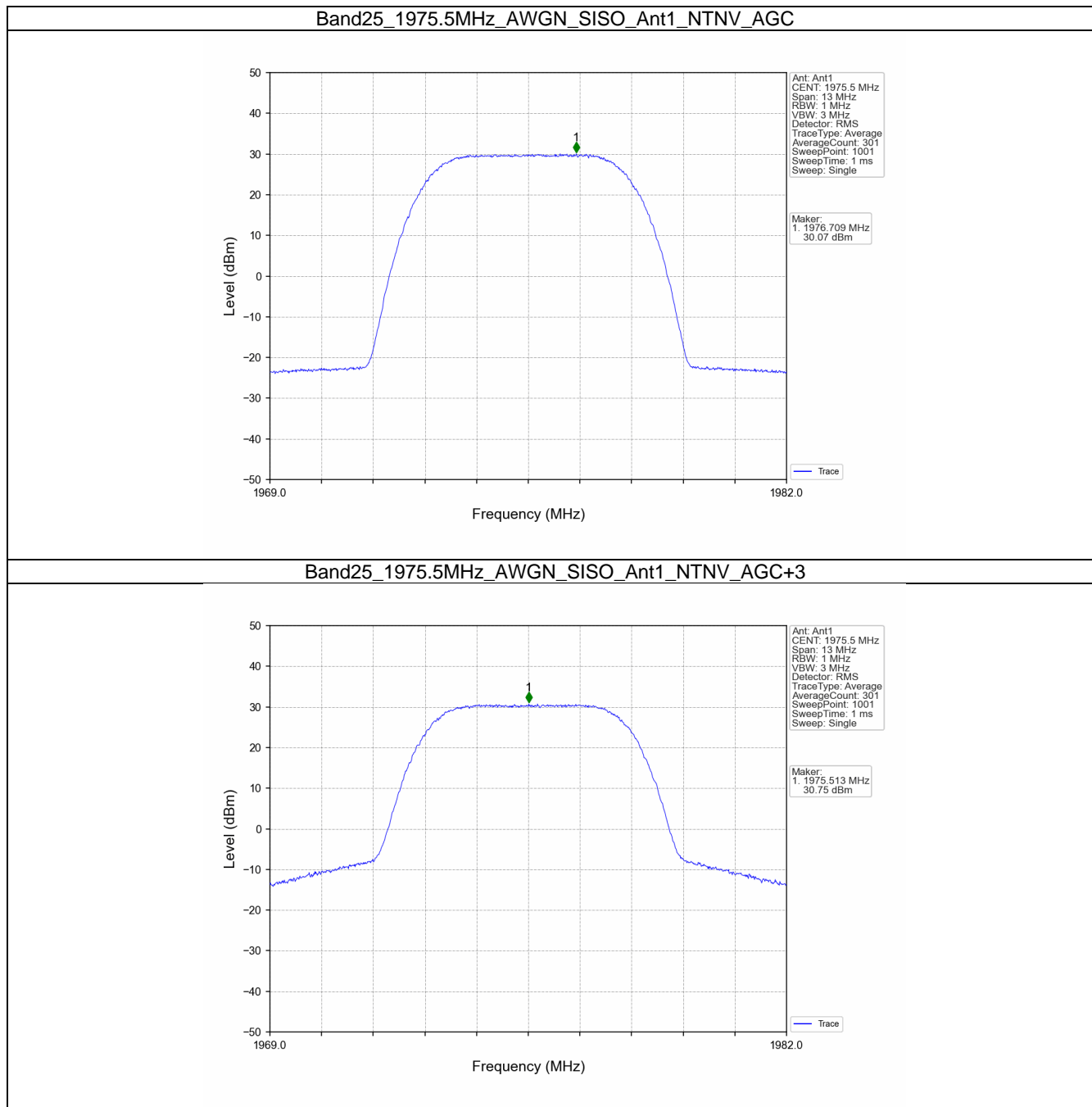
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4.1.2 Test Graph

For LTE Band 25

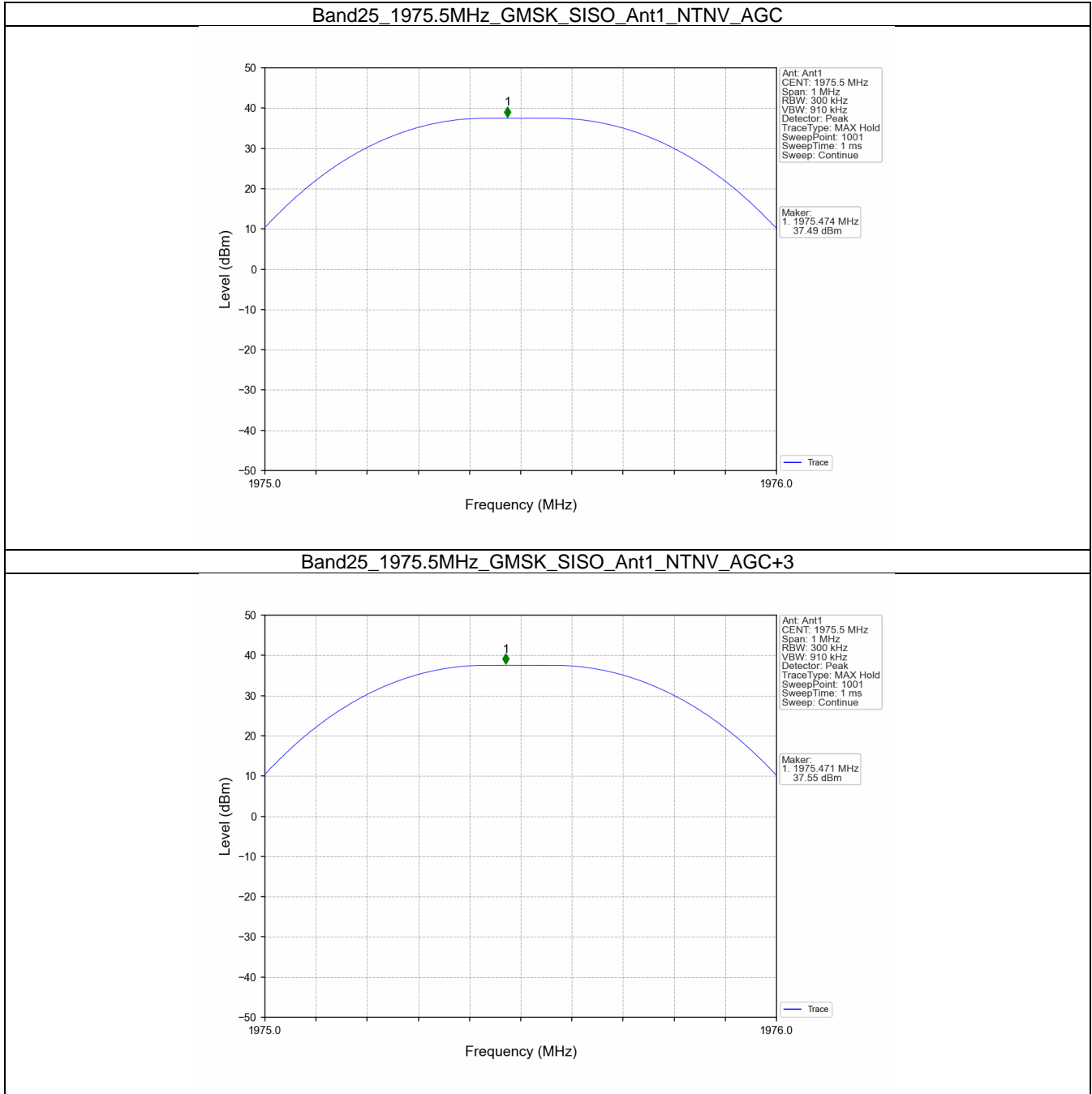


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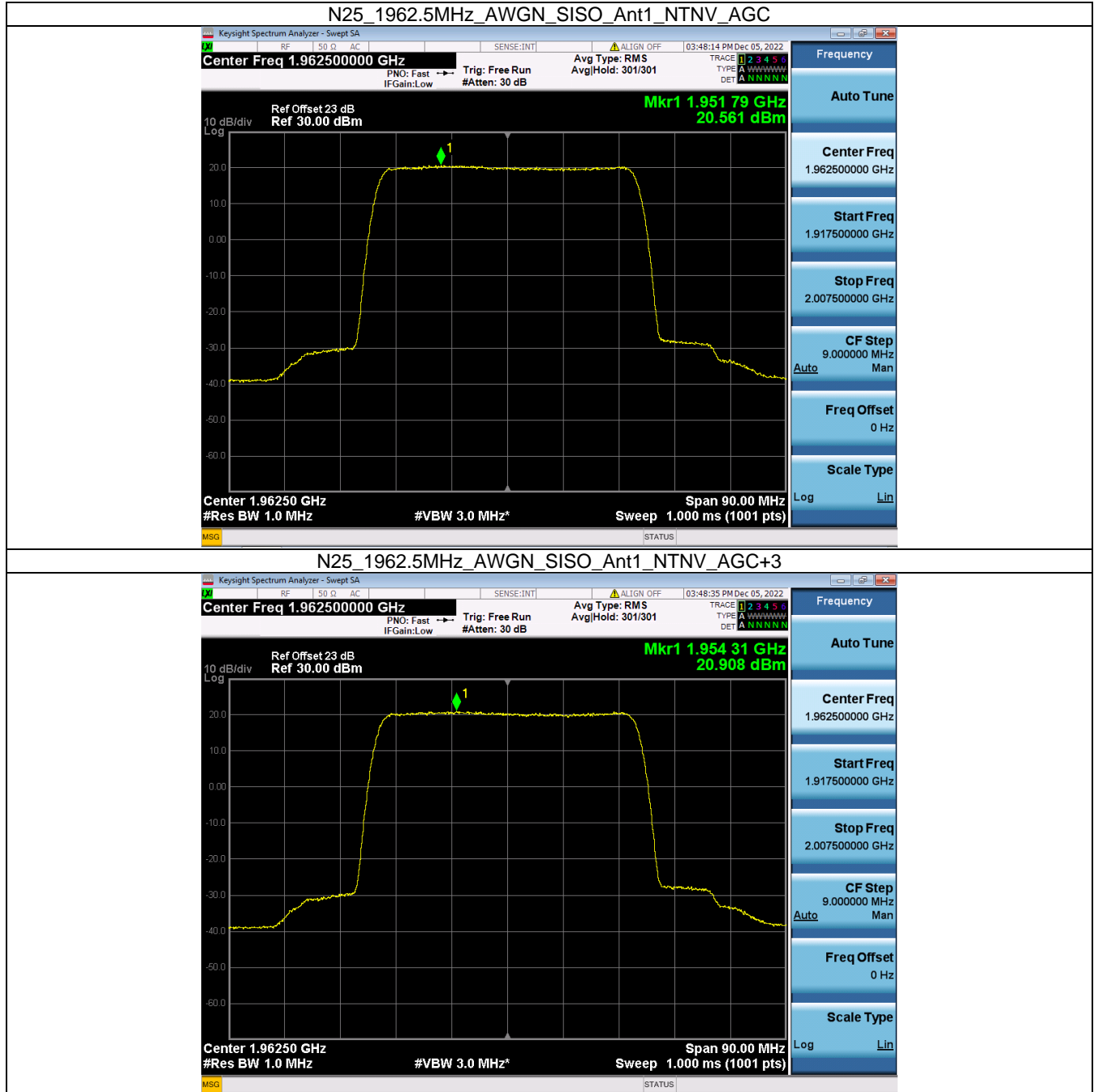
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4.2 Band25\_PAPR

4.2.1 Test Result

For LTE Band 25

Band: 25 / NTNV							
Type	Signal		TX Type	ANT	PAPR (dB)		Verdict
	Level (dBm)	Frequency (MHz)			Result	Limit	
AWGN	-0.3	1975.5	SISO	1	8.29	<=13	Pass
	2.7	1975.5	SISO	1	8.15	<=13	Pass
GMSK	-0.3	1975.5	SISO	1	0.37	<=13	Pass
	2.7	1975.5	SISO	1	0.28	<=13	Pass

For 5G NR N25

N25 / NTNV							
Type	Signal		TX Type	ANT	PAPR (dB)		Verdict
	Level (dBm)	Frequency (MHz)			Result	Limit	
AWGN	-0.3	1962.5	SISO	1	8.38	<=13	Pass
	2.7	1962.5	SISO	1	8.40	<=13	Pass

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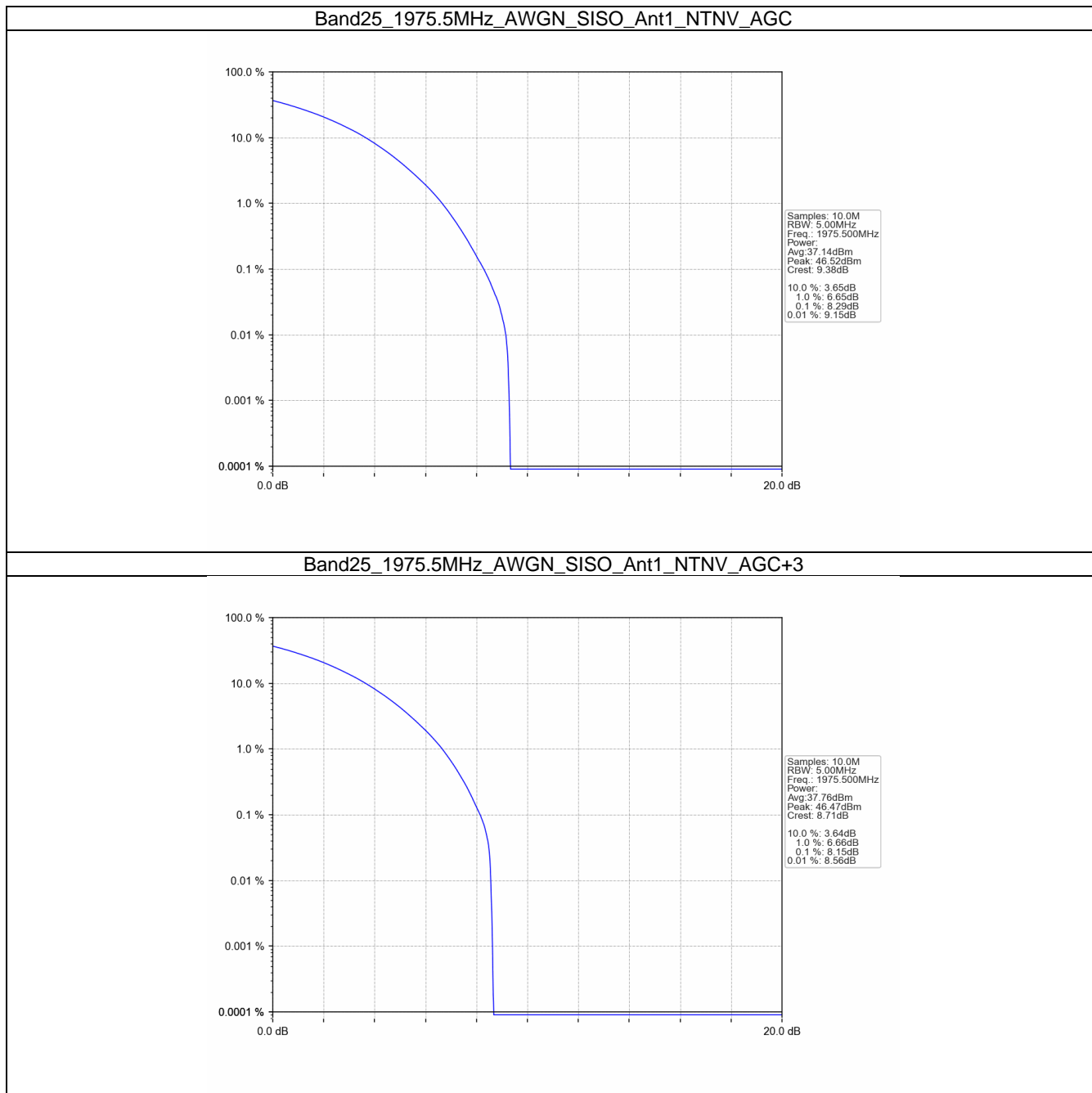
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4.2.2 Test Graph

For LTE Band 25



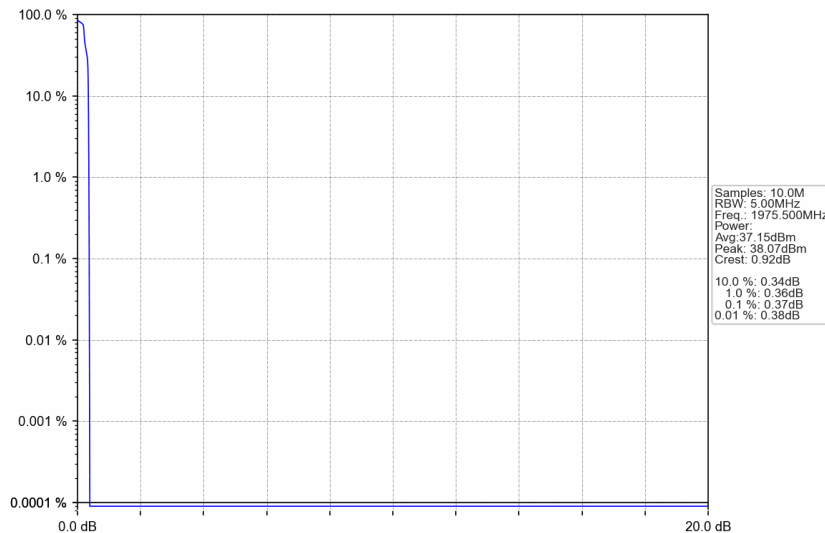
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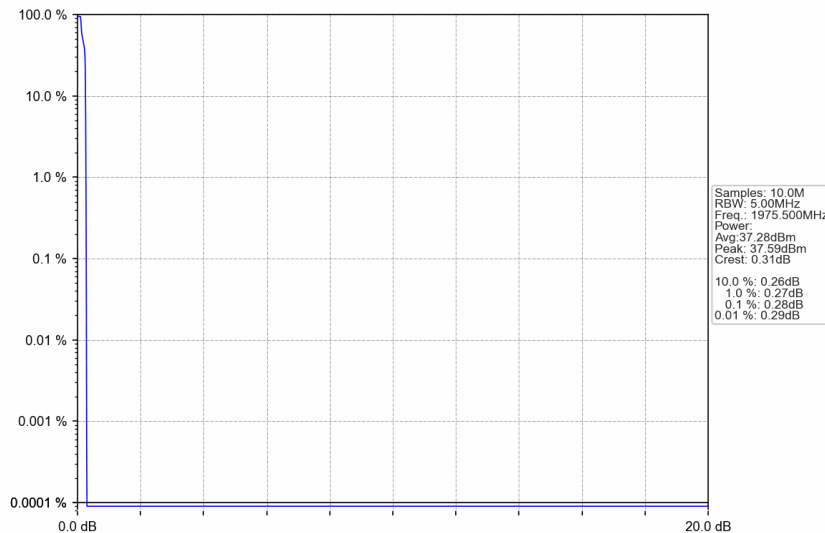
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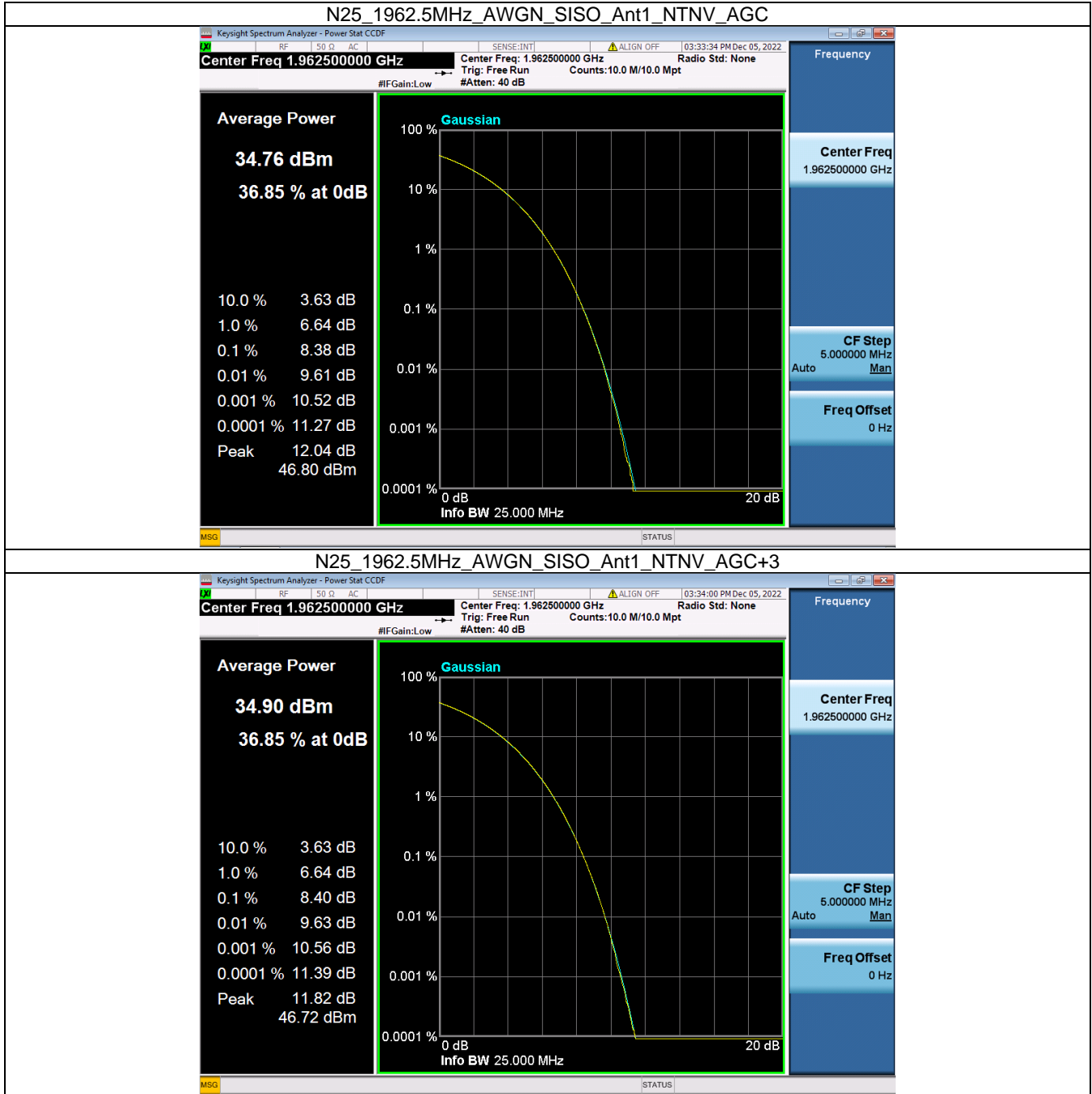
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5. Out-of-band/out-of-block (including intermodulation) emissions

5.1 Band25

5.1.1 Test Result

For LTE Band 25

Band: 25 / NTN									
Input	Type	Signal		Channel	TX Type	ANT	OOB (dBm)		Verdict
		Level (dBm)	Frequency (MHz)				Result	Limit	
Two	AWGN	-0.3	1932.5	LCH	SISO	1	-51.14	Refer To Test Graph	Pass
		2.7	1932.5	LCH	SISO	1	-51.62	Refer To Test Graph	Pass
One	AWGN	-0.3	1932.5	LCH	SISO	1	-51.54	Refer To Test Graph	Pass
		2.7	1932.5	LCH	SISO	1	-51.52	Refer To Test Graph	Pass
Two	AWGN	-0.3	1992.5	HCH	SISO	1	-50.93	Refer To Test Graph	Pass
		2.7	1992.5	HCH	SISO	1	-51.06	Refer To Test Graph	Pass
One	AWGN	-0.3	1992.5	HCH	SISO	1	-50.56	Refer To Test Graph	Pass
		2.7	1992.5	HCH	SISO	1	-51.11	Refer To Test Graph	Pass
Two	GMSK	-0.3	1930.1	LCH	SISO	1	-50.86	Refer To Test Graph	Pass
		2.7	1930.1	LCH	SISO	1	-50.90	Refer To Test Graph	Pass
One	GMSK	-0.3	1930.1	LCH	SISO	1	-50.88	Refer To Test Graph	Pass
		2.7	1930.1	LCH	SISO	1	-51.00	Refer To Test Graph	Pass
Two	GMSK	-0.3	1994.9	HCH	SISO	1	-50.60	Refer To Test Graph	Pass
		2.7	1994.9	HCH	SISO	1	-50.53	Refer To Test Graph	Pass
One	GMSK	-0.3	1994.9	HCH	SISO	1	-50.44	Refer To Test Graph	Pass
		2.7	1994.9	HCH	SISO	1	-50.41	Refer To Test Graph	Pass

For 5G NR N25

N25 / NTN									
Input	Type	Signal		Channel	TX Type	ANT	OOB (dBm)		Verdict
		Level (dBm)	Frequency (MHz)				Result	Limit	
Two	AWGN	-0.3	1952.5	LCH	SISO	1	-33.642	Refer To Test Graph	Pass
		2.7	1952.5	LCH	SISO	1	-33.549	Refer To Test Graph	Pass
One	AWGN	-0.3	1952.5	LCH	SISO	1	-33.597	Refer To Test Graph	Pass
		2.7	1952.5	LCH	SISO	1	-33.711	Refer To Test Graph	Pass
Two	AWGN	-0.3	1972.5	HCH	SISO	1	-31.815	Refer To Test Graph	Pass
		2.7	1972.5	HCH	SISO	1	-31.386	Refer To Test Graph	Pass
One	AWGN	-0.3	1972.5	HCH	SISO	1	-33.597	Refer To Test Graph	Pass
		2.7	1972.5	HCH	SISO	1	-33.711	Refer To Test Graph	Pass



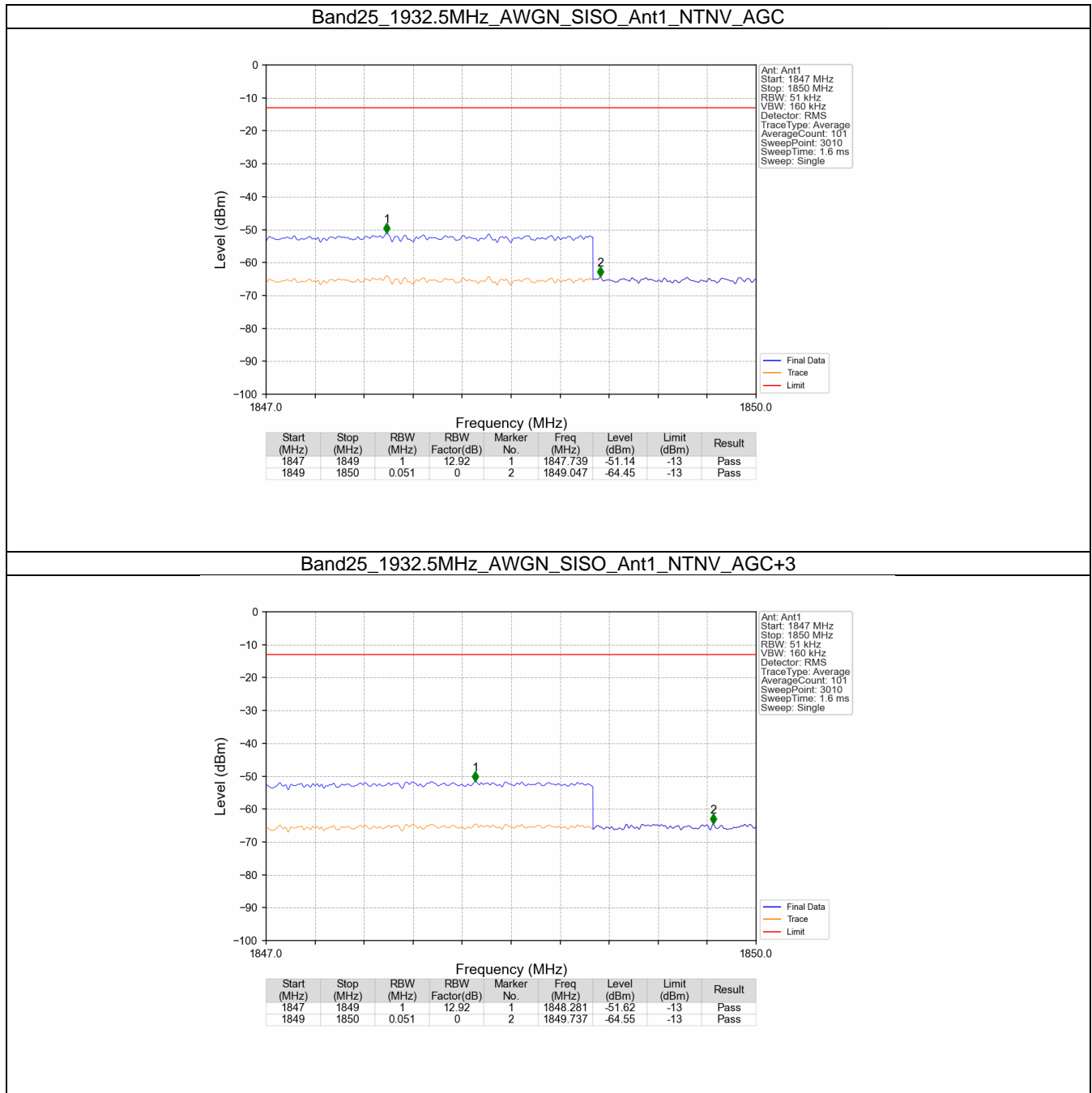
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## 5.1.2 Test Graph

### For LTE Band 25



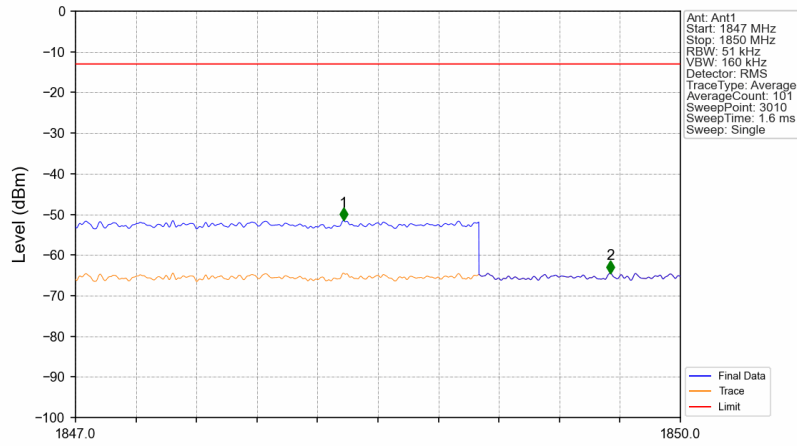
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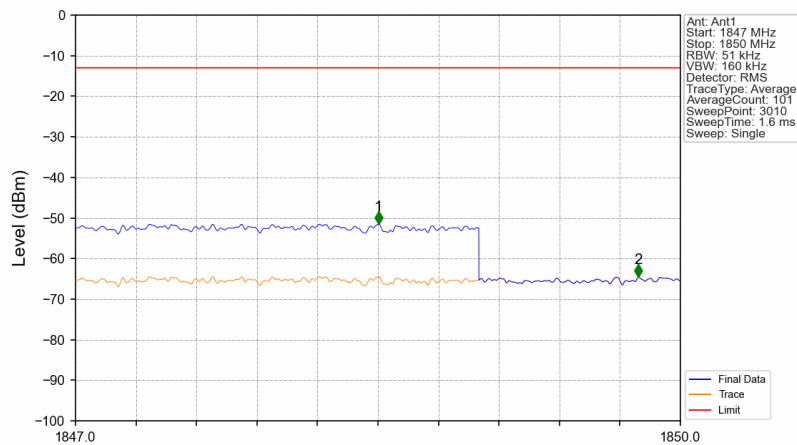
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### Band25\_1932.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	12.92	1	1848.328	-51.54	-13	Pass
1849	1850	0.051	0	2	1849.652	-64.49	-13	Pass

### Band25\_1932.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	12.92	1	1848.503	-51.52	-13	Pass
1849	1850	0.051	0	2	1849.792	-64.53	-13	Pass



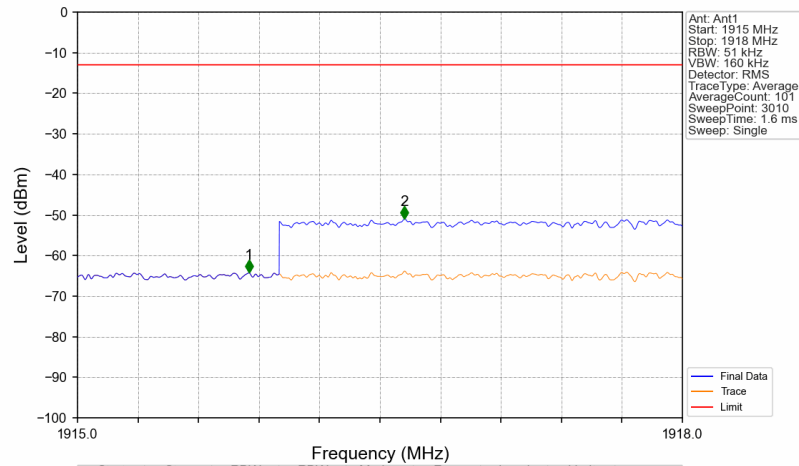
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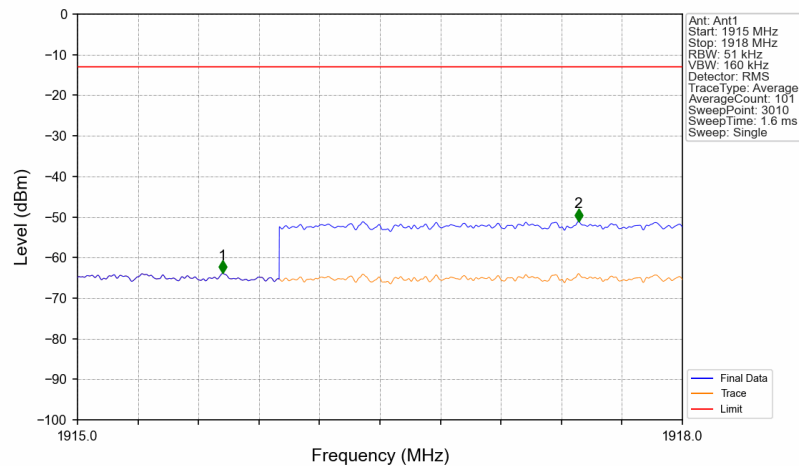
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Band25\_1992.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1915	1916	0.051	0	1	1915.850	-64.26	-13	Pass
1916	1918	1	12.92	2	1916.622	-50.93	-13	Pass

Band25\_1992.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1915	1916	0.051	0	1	1915.720	-63.92	-13	Pass
1916	1918	1	12.92	2	1917.485	-51.06	-13	Pass



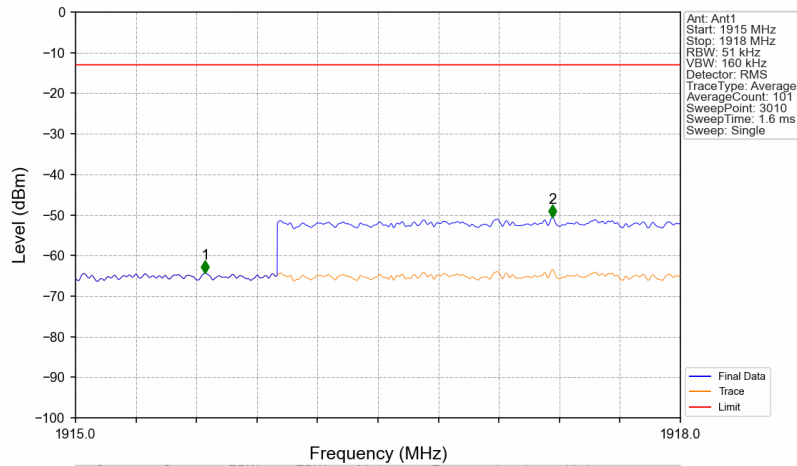
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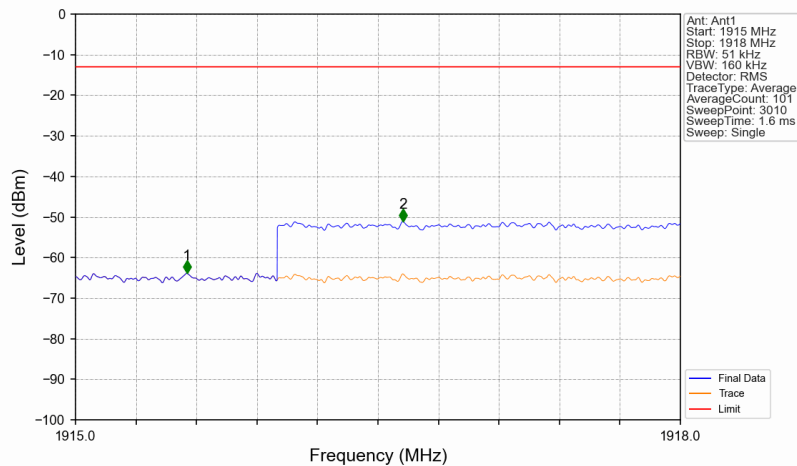
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### Band25\_1992.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1915	1916	0.051	0	1	1915.642	-64.30	-13	Pass
1916	1918	1	12.92	2	1917.366	-50.56	-13	Pass

### Band25\_1992.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1915	1916	0.051	0	1	1915.552	-63.89	-13	Pass
1916	1918	1	12.92	2	1916.623	-51.11	-13	Pass



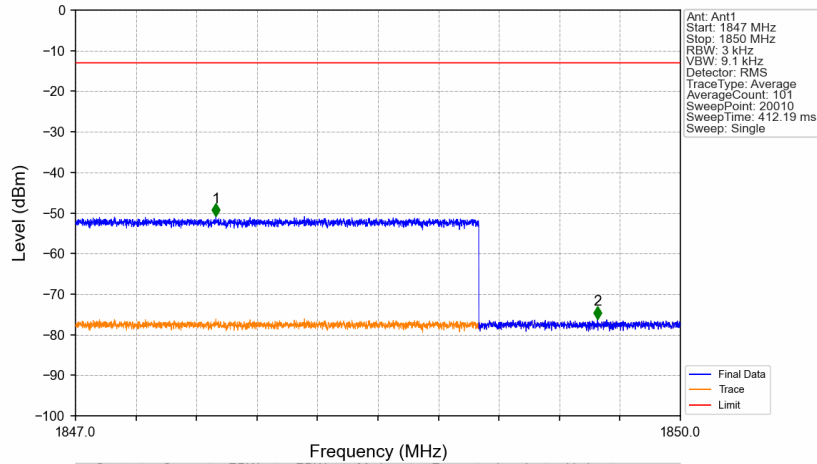
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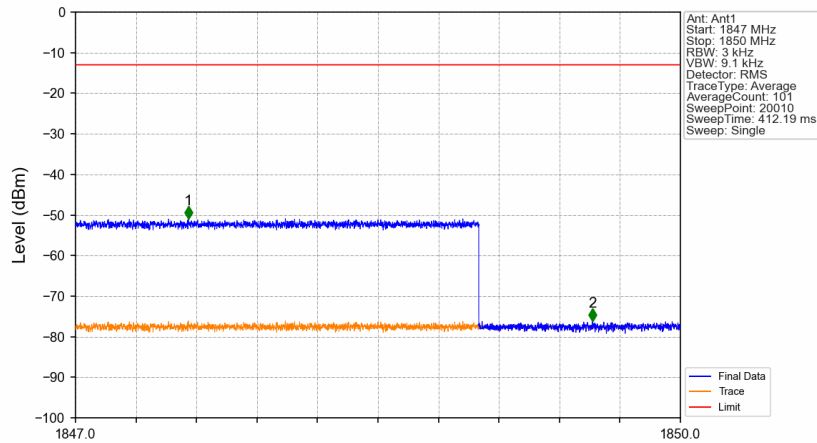
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### Band25\_1930.1MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	25.23	1	1847.696	-50.86	-13	Pass
1849	1850	0.003	0	2	1849.589	-76.09	-13	Pass

### Band25\_1930.1MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	25.23	1	1847.560	-50.90	-13	Pass
1849	1850	0.003	0	2	1849.564	-76.11	-13	Pass



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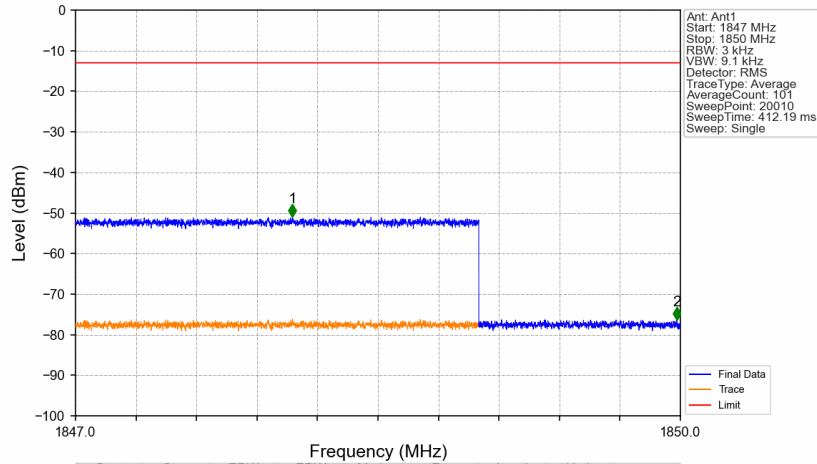
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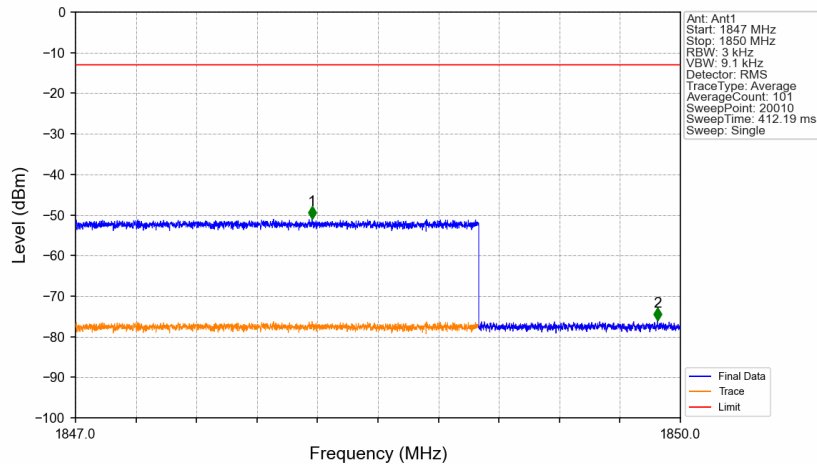


Band25\_1930.1MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	25.23	1	1848.076	-50.88	-13	Pass
1849	1850	0.003	0	2	1849.982	-76.31	-13	Pass

Band25\_1930.1MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1847	1849	1	25.23	1	1848.173	-51.00	-13	Pass
1849	1850	0.003	0	2	1849.886	-76.06	-13	Pass



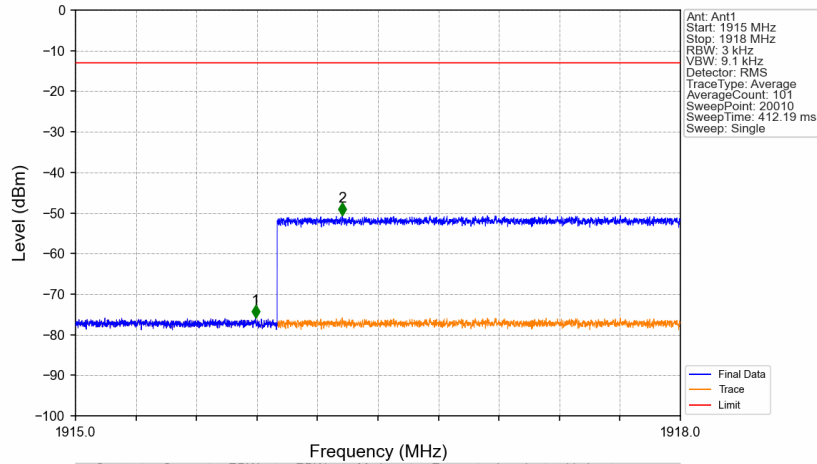
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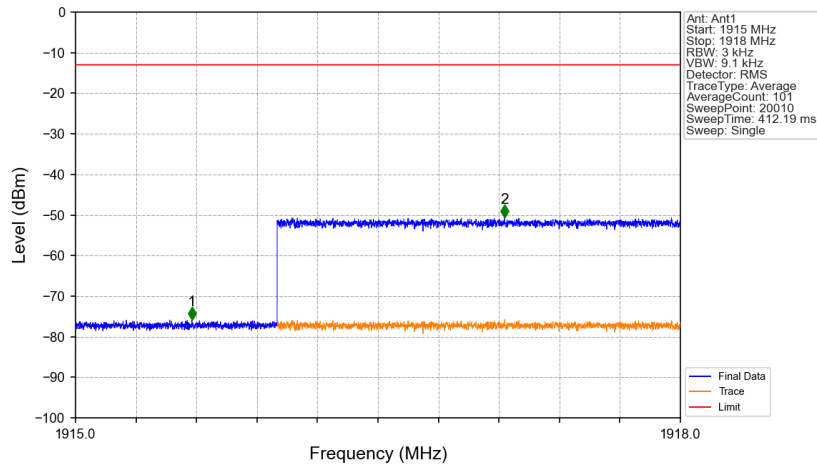
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### Band25\_1994.9MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1915	1916	0.003	0	1	1915.892	-75.80	-13	Pass
1916	1918	1	25.23	2	1916.323	-50.60	-13	Pass

### Band25\_1994.9MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1915	1916	0.003	0	1	1915.577	-75.78	-13	Pass
1916	1918	1	25.23	2	1917.128	-50.53	-13	Pass



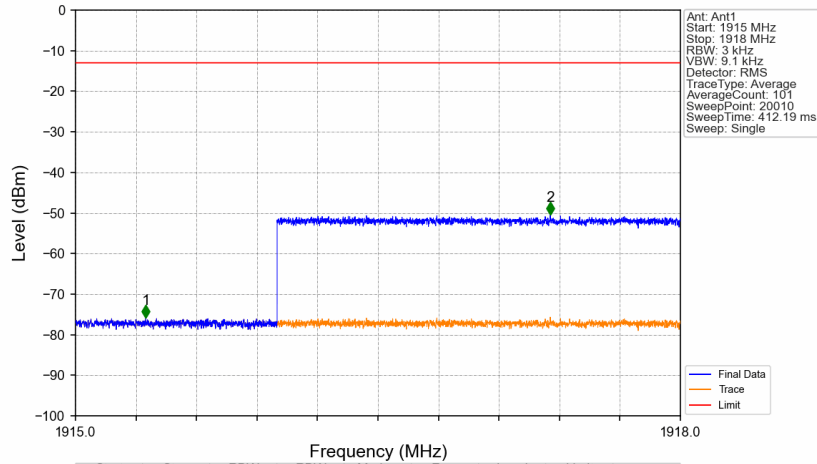
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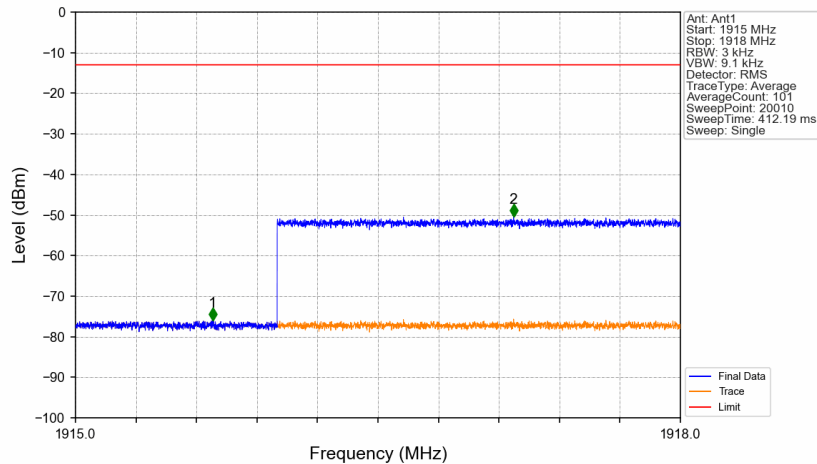
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### Band25\_1994.9MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1915	1916	0.003	0	1	1915.348	-75.88	-13	Pass
1916	1918	1	25.23	2	1917.355	-50.44	-13	Pass

### Band25\_1994.9MHz\_GMSK\_SISO\_Ant1\_NTNV\_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1915	1916	0.003	0	1	1915.680	-76.09	-13	Pass
1916	1918	1	25.23	2	1917.173	-50.41	-13	Pass



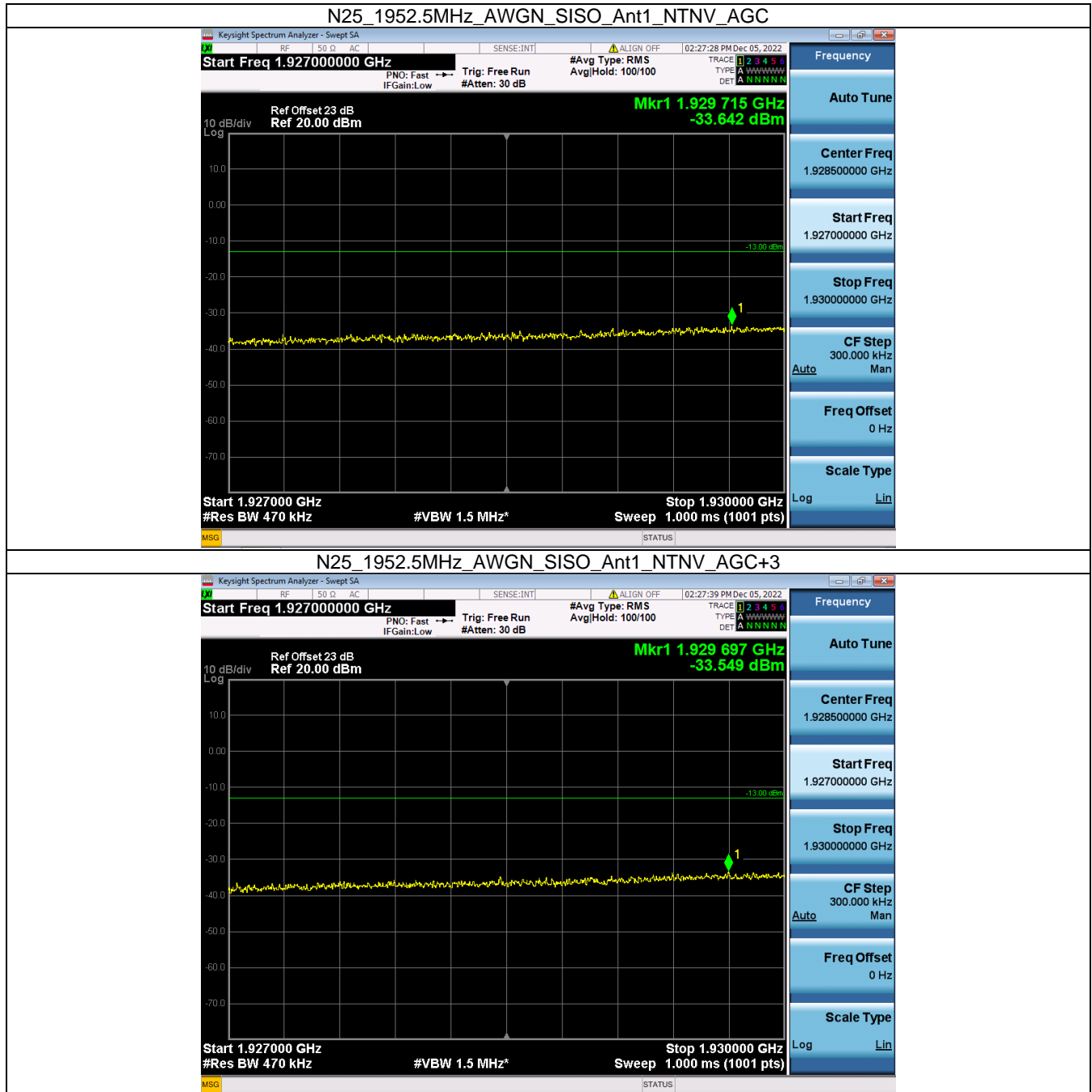
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For 5G NR N25



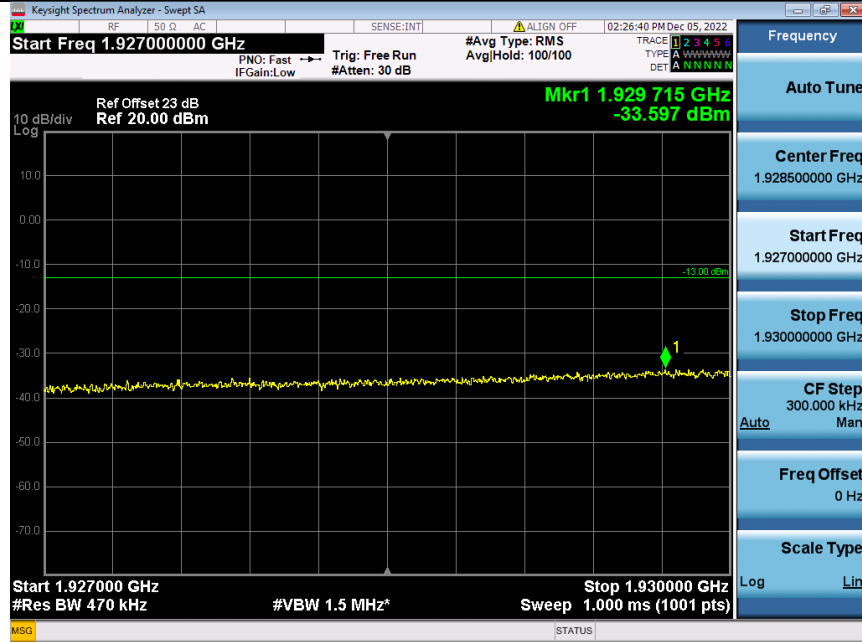
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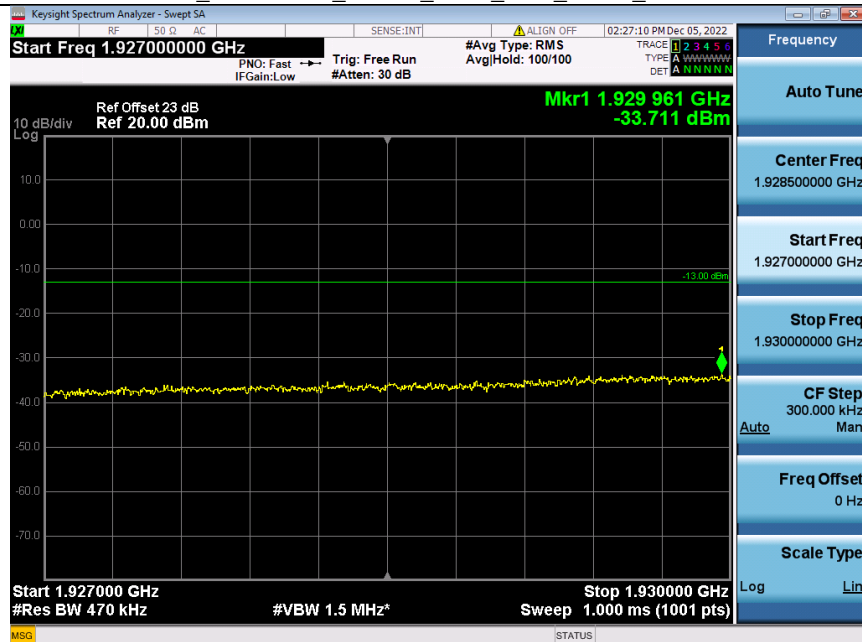
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## N25\_1952.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



## N25\_1952.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



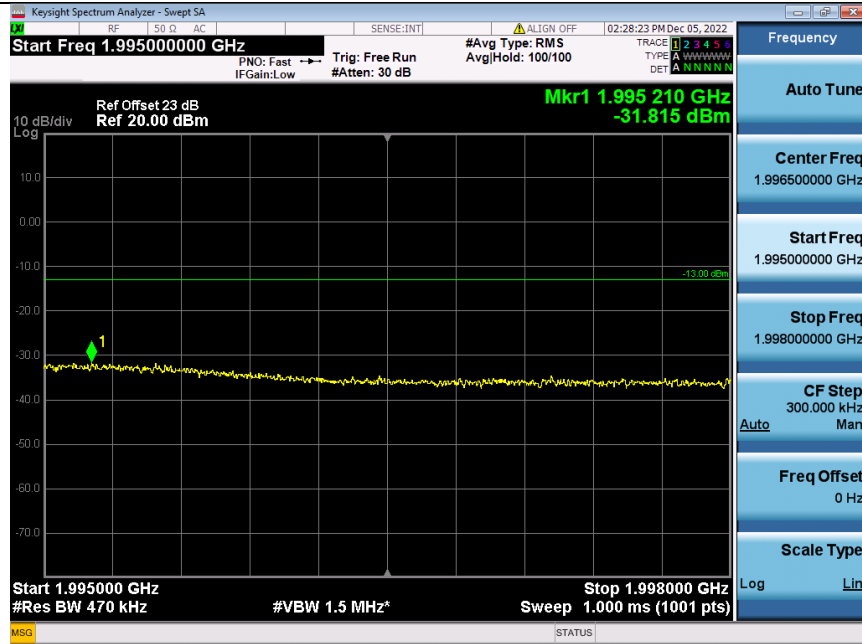
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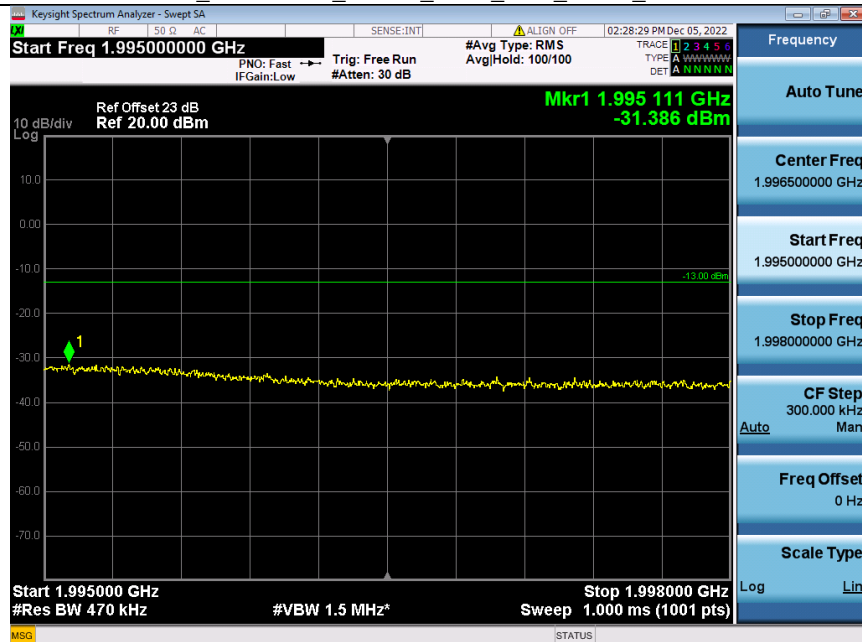
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## N25\_1972.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



## N25\_1972.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



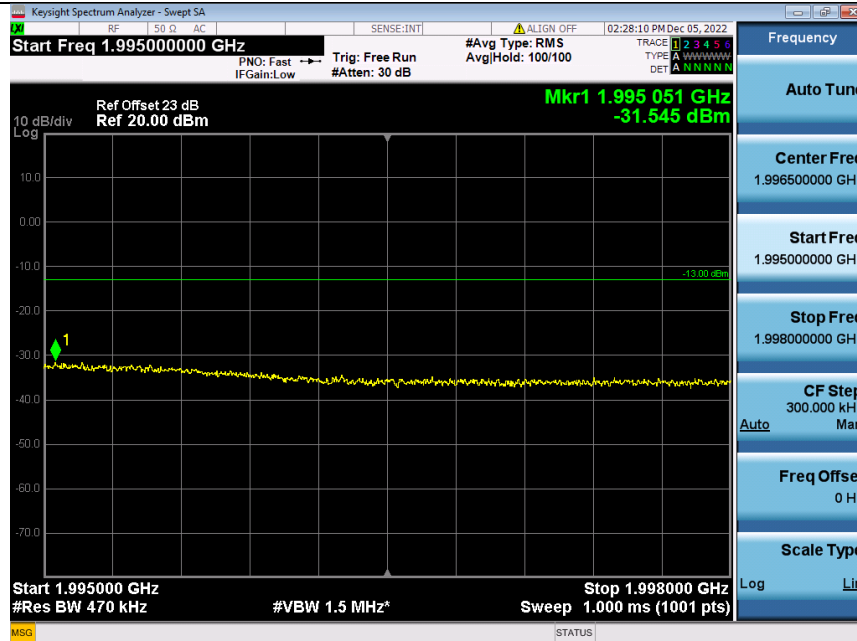
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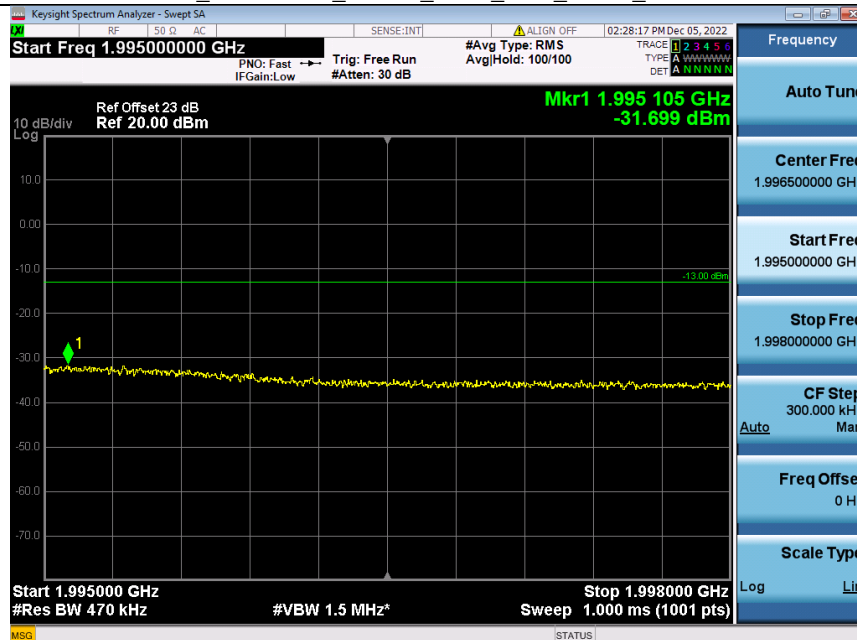
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## N25\_1972.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC



## N25\_1972.5MHz\_AWGN\_SISO\_Ant1\_NTNV\_AGC+3



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## 6. Spurious emissions

### 6.1 Band25

#### 6.1.1 Test Result

##### For LTE Band 25

Band: 25 / NTNV								
Signal			Channel	TX Type	ANT	SE (dBm)		Verdict
Type	Level (dBm)	Frequency (MHz)				Result	Limit	
AWGN	-0.3	1932.5	LCH	SISO	1	Refer To Test Graph		Pass
		1962.5	MCH	SISO	1	Refer To Test Graph		Pass
		1992.5	HCH	SISO	1	Refer To Test Graph		Pass
GMSK	-0.3	1930.1	LCH	SISO	1	Refer To Test Graph		Pass
		1962.5	MCH	SISO	1	Refer To Test Graph		Pass
		1994.9	HCH	SISO	1	Refer To Test Graph		Pass

##### For 5G NR N25

N25 / NTNV								
Signal			Channel	TX Type	ANT	SE (dBm)		Verdict
Type	Level (dBm)	Frequency (MHz)				Result	Limit	
AWGN	-0.3	1952.5	LCH	SISO	1	Refer To Test Graph		Pass
		1962.5	MCH	SISO	1	Refer To Test Graph		Pass
		1972.5	HCH	SISO	1	Refer To Test Graph		Pass

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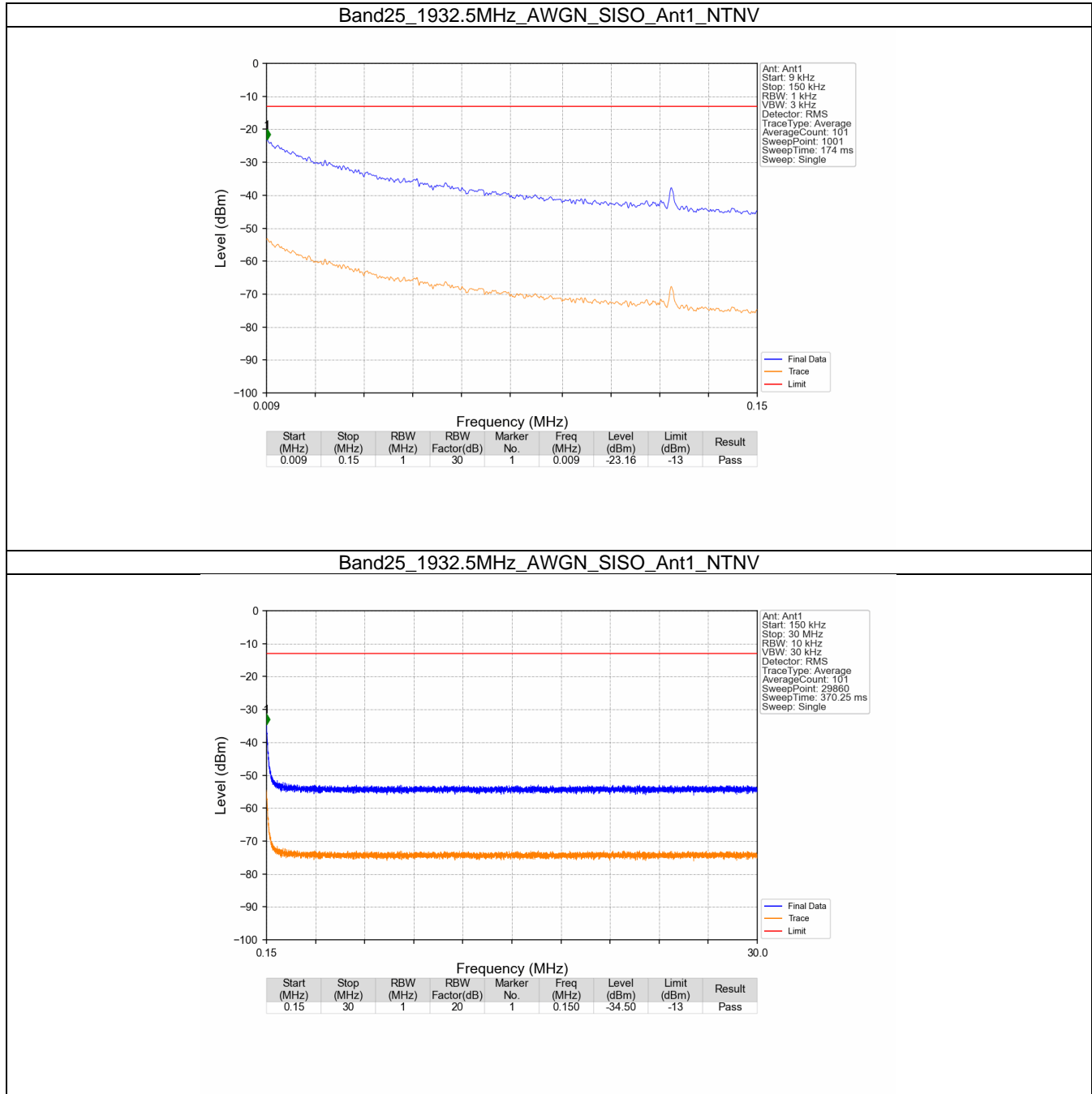
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6.1.2 Test Graph

For LTE Band 25

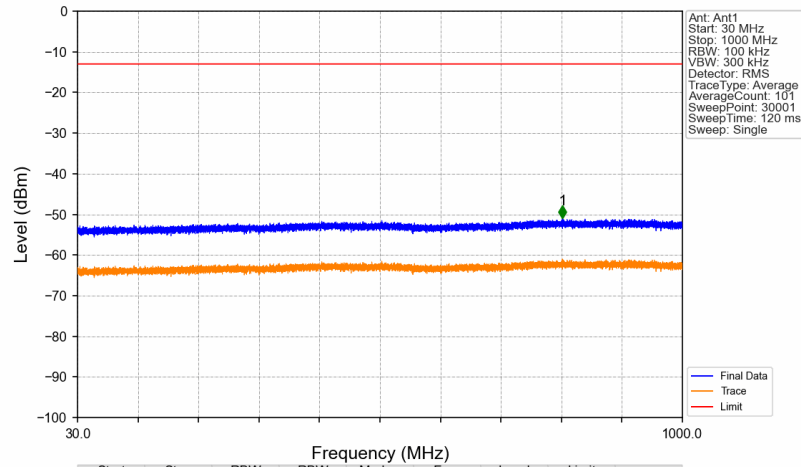


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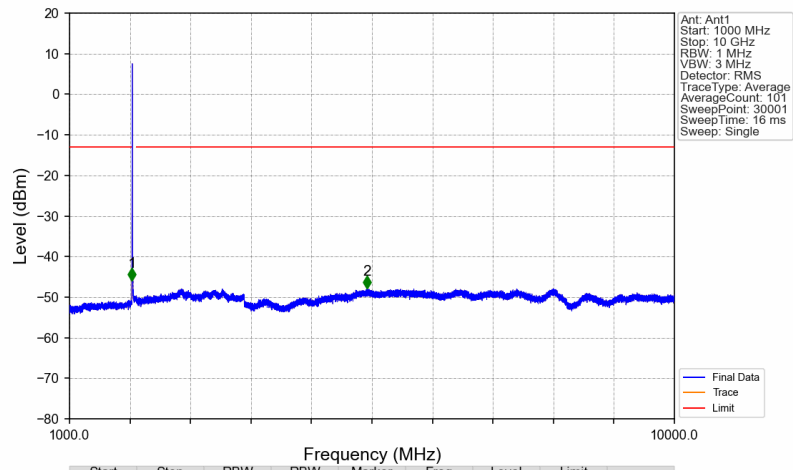
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Band25\_1932.5MHz\_AWGN\_SISO\_Ant1\_NTNV



Band25\_1932.5MHz\_AWGN\_SISO\_Ant1\_NTNV



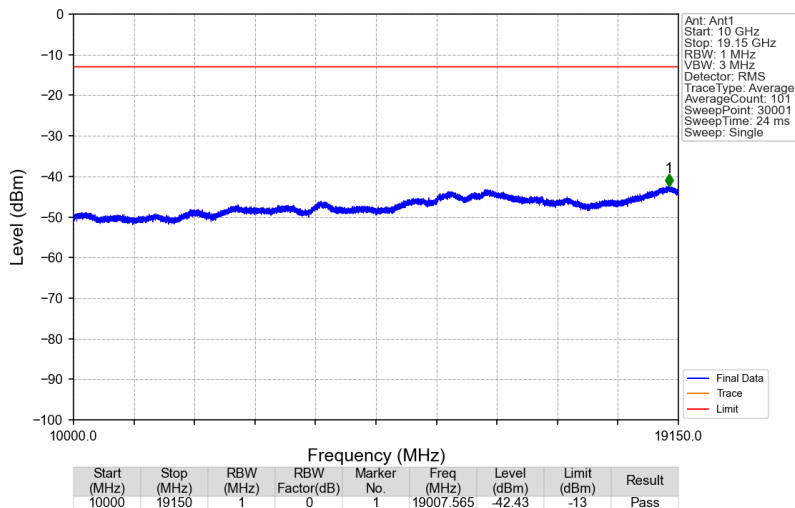
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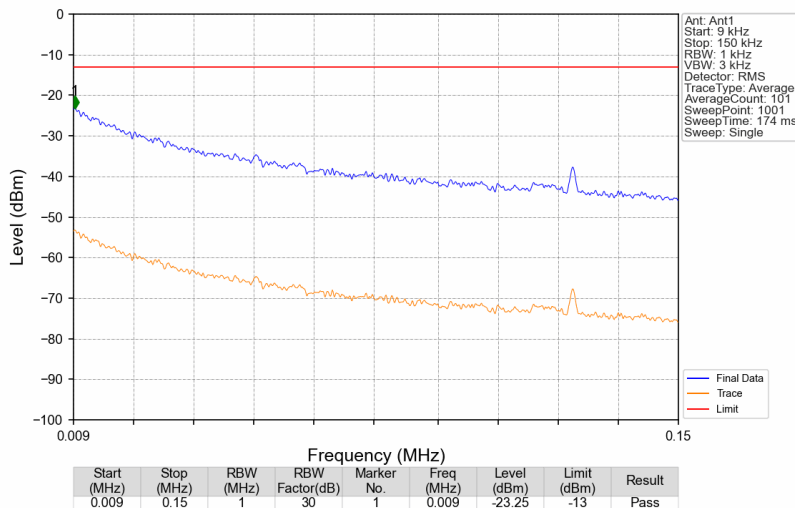
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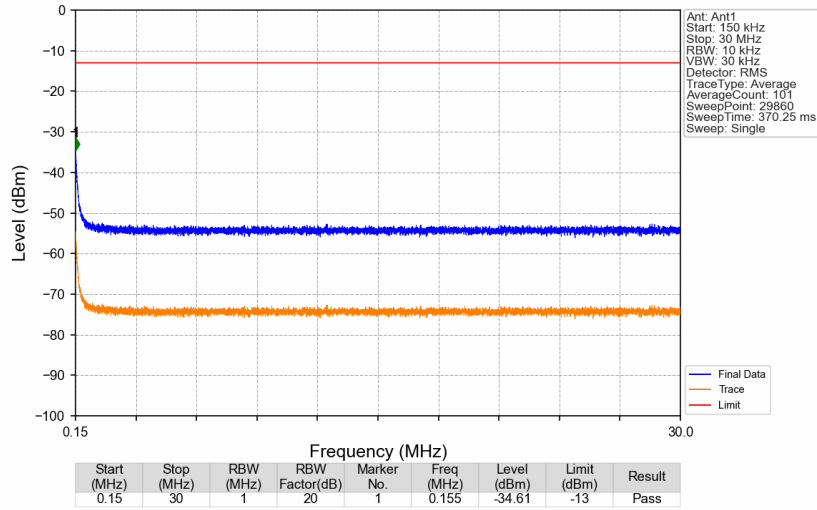


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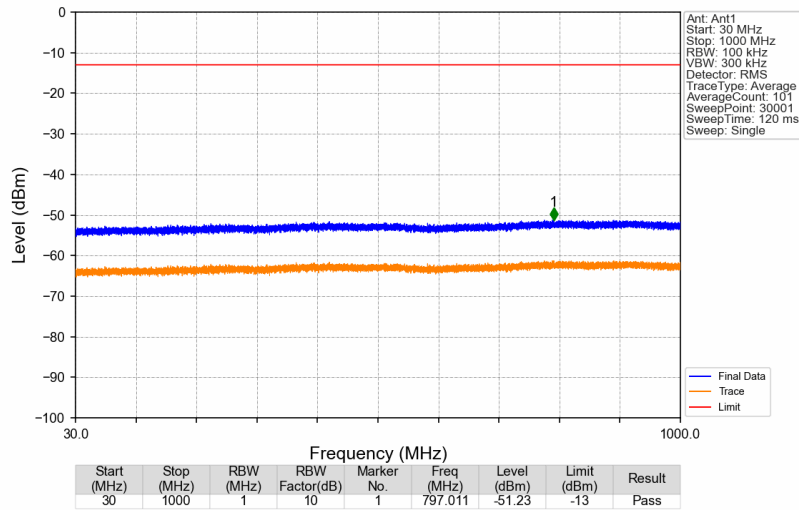
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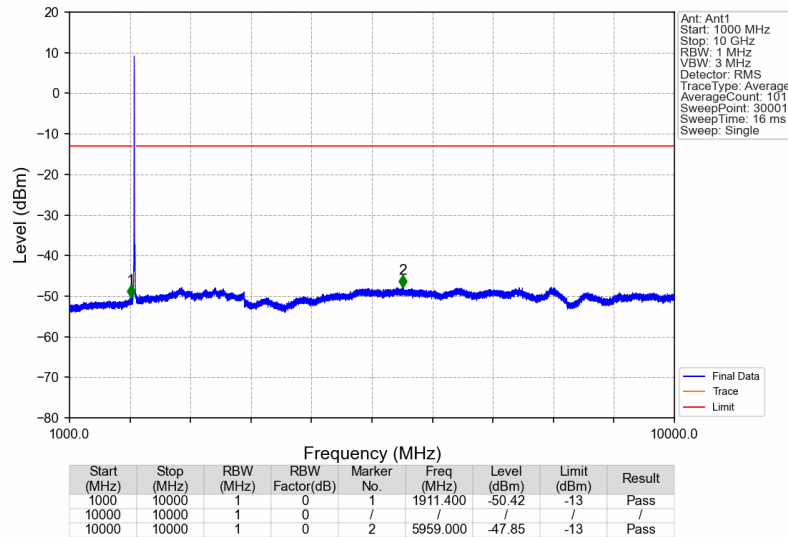
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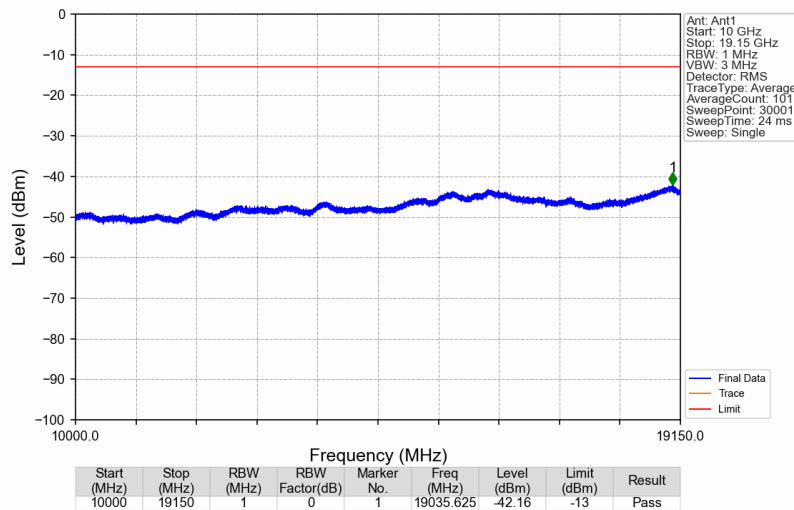
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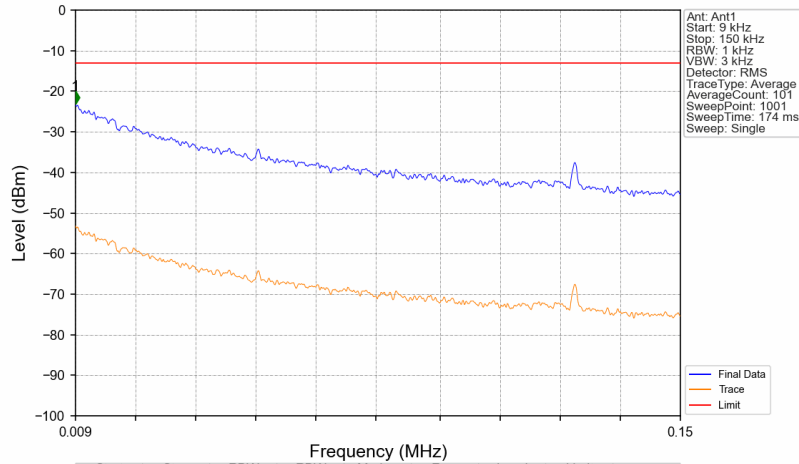
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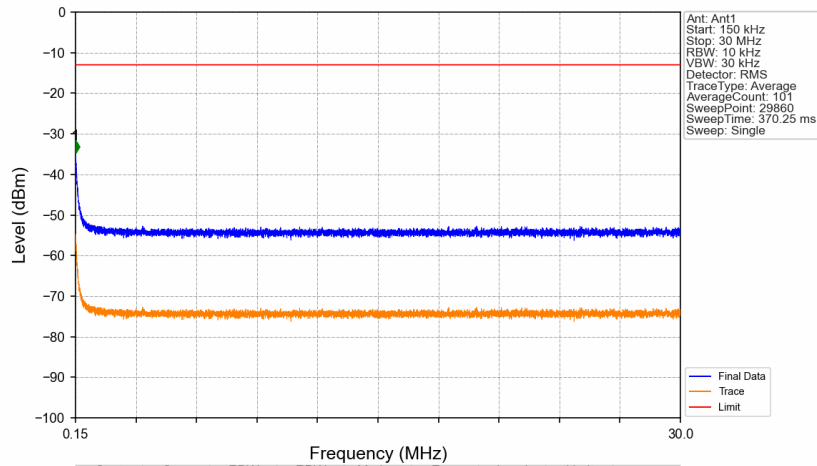
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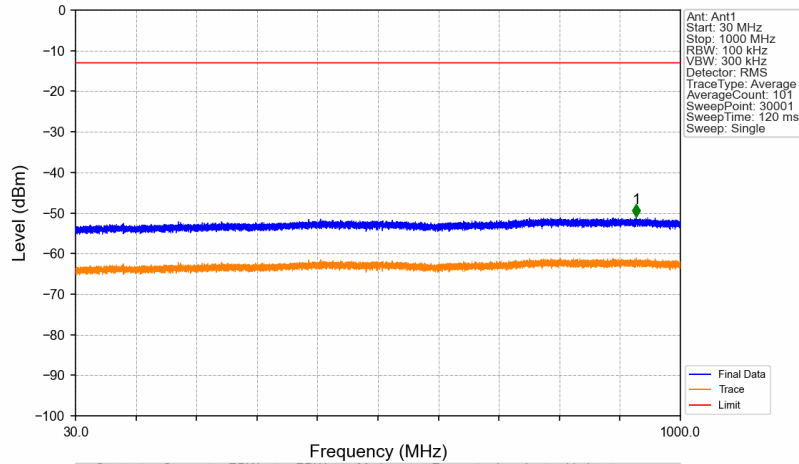
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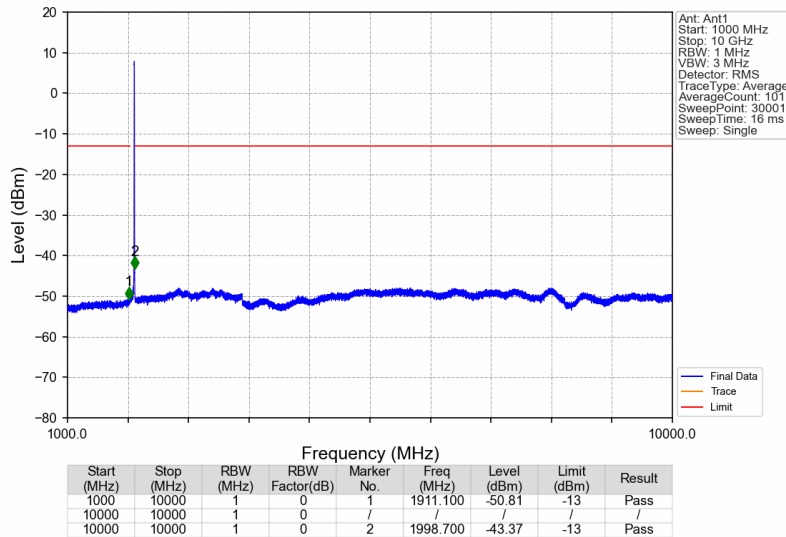
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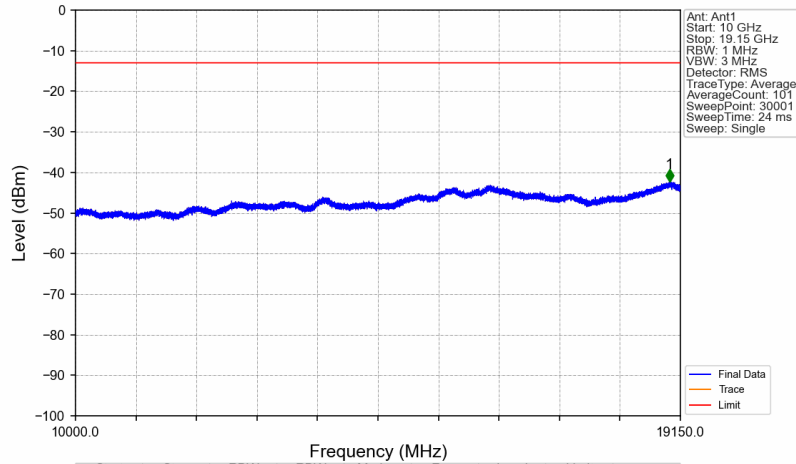
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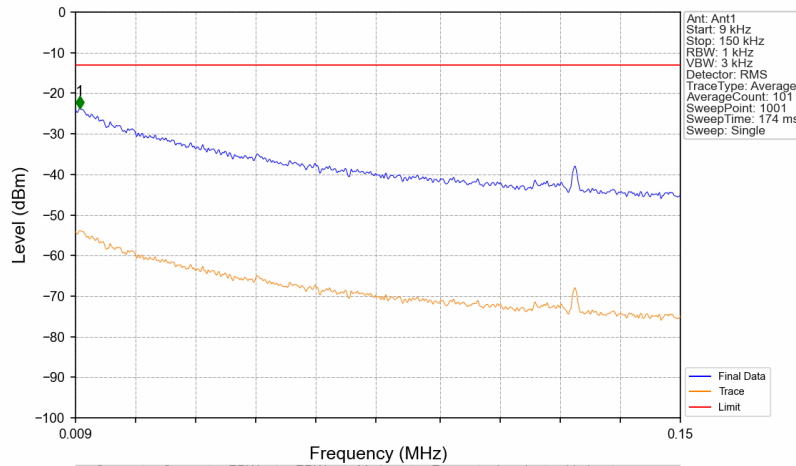
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Band25\_1992.5MHz\_AWGN\_SISO\_Ant1\_NTNV



Band25\_1930.1MHz\_GMSK\_SISO\_Ant1\_NTNV



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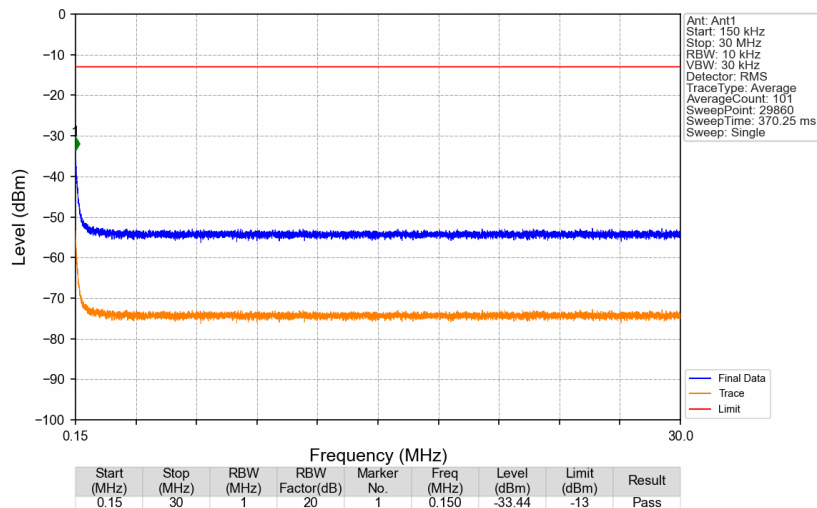
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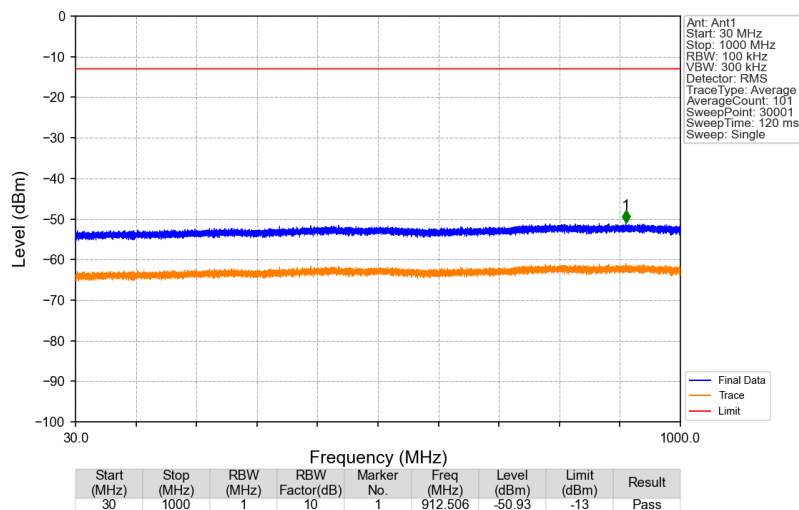
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Band25\_1930.1MHz\_GMSK\_SISO\_Ant1\_NTNV



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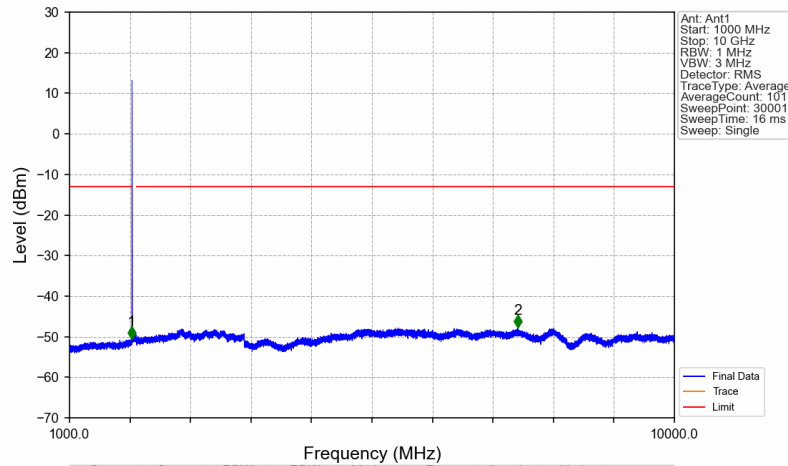
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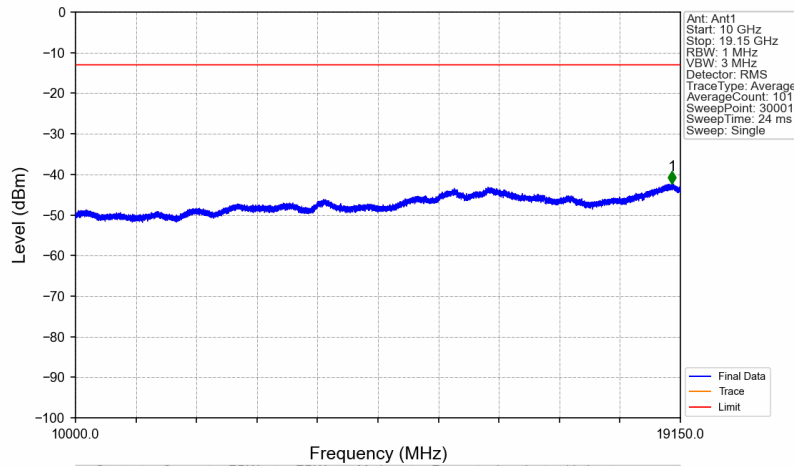
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### Band25\_1930.1MHz\_GMSK\_SISO\_Ant1\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	10000	1	0	1	1925.800	-50.59	-13	Pass
10000	10000	1	0	/	/	/	/	/
10000	10000	1	0	2	7669.900	-47.79	-13	Pass

### Band25\_1930.1MHz\_GMSK\_SISO\_Ant1\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	19150	1	0	1	19023.425	-42.36	-13	Pass



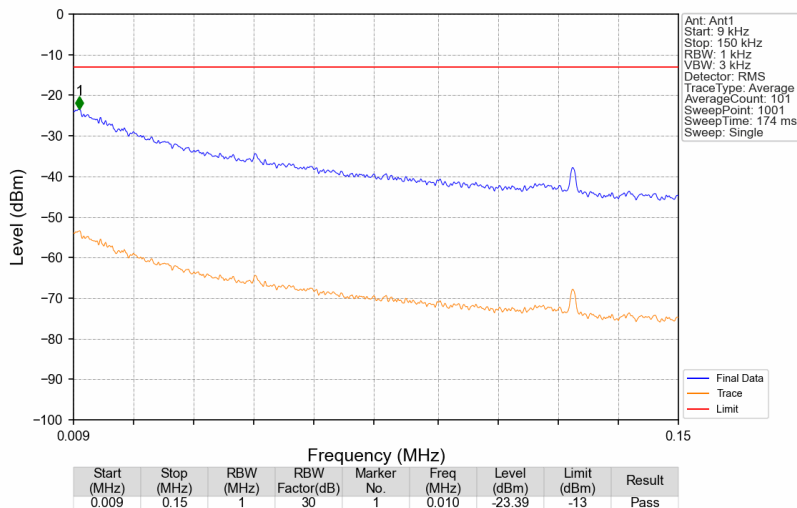
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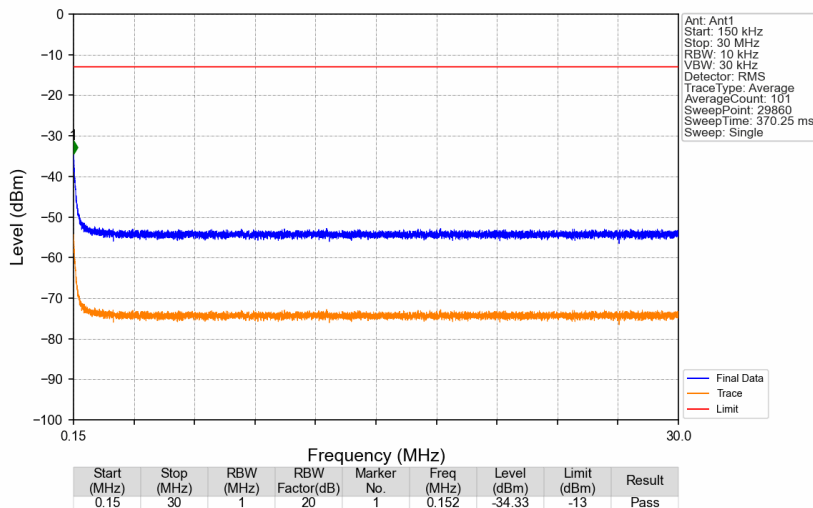
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Band25\_1962.5MHz\_GMSK\_SISO\_Ant1\_NTNV



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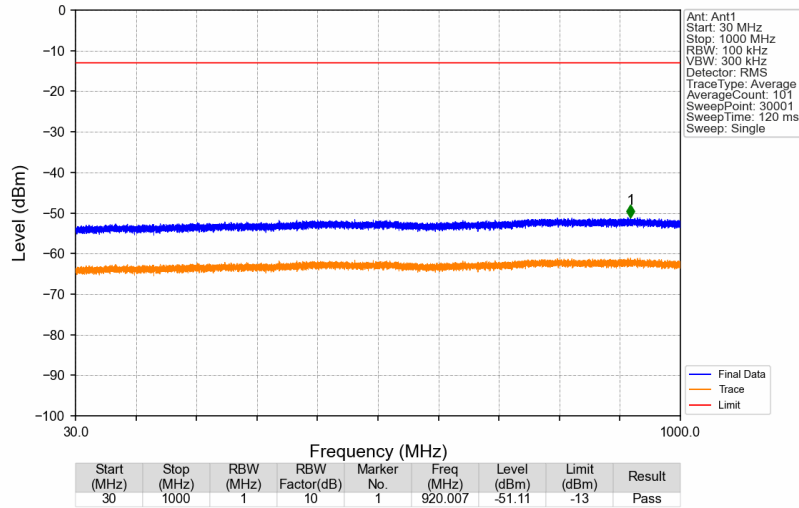
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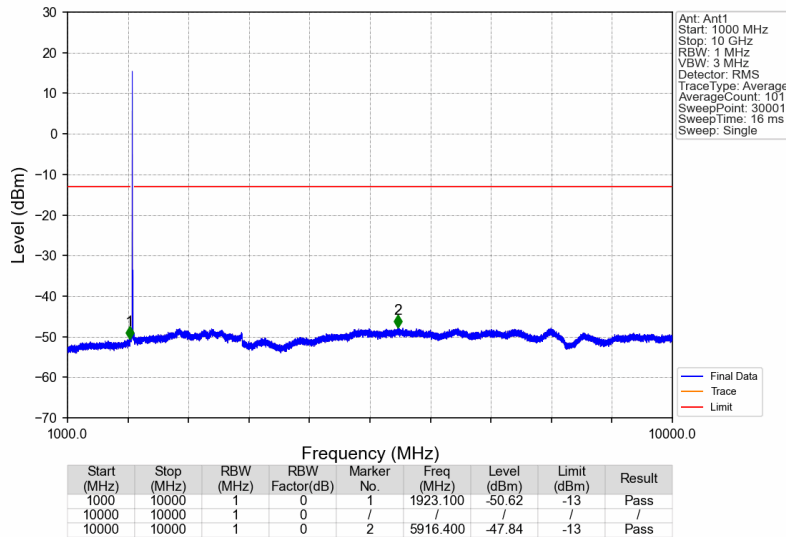
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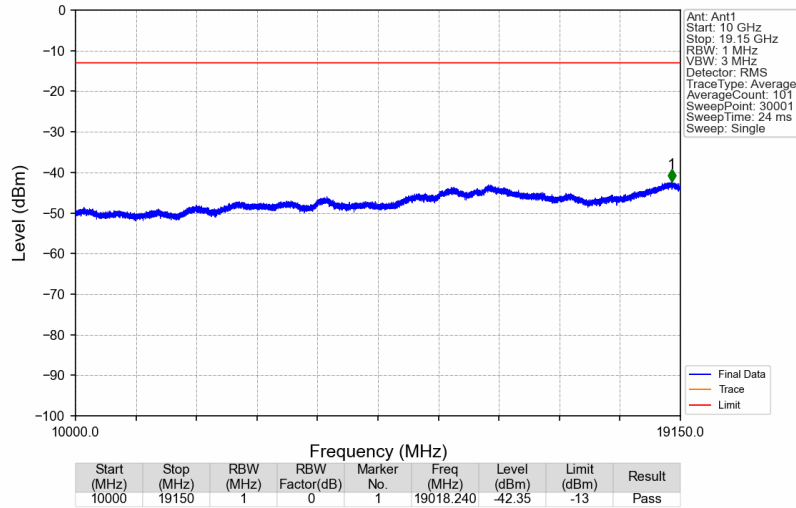
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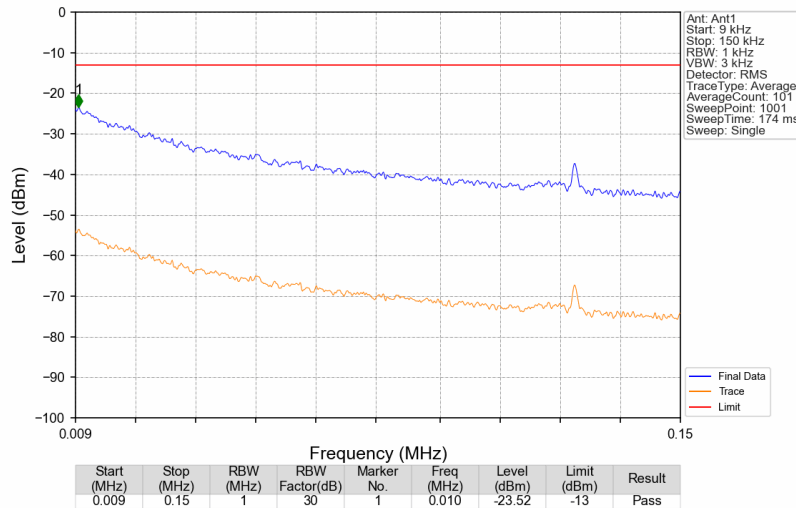
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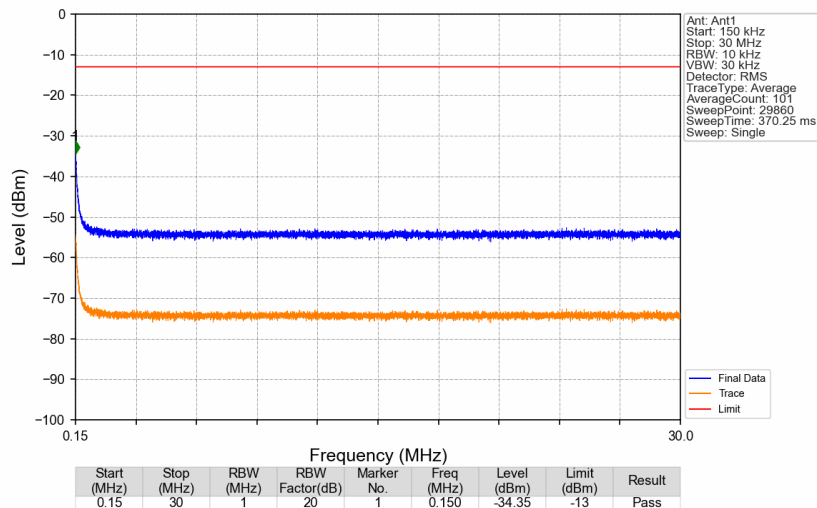
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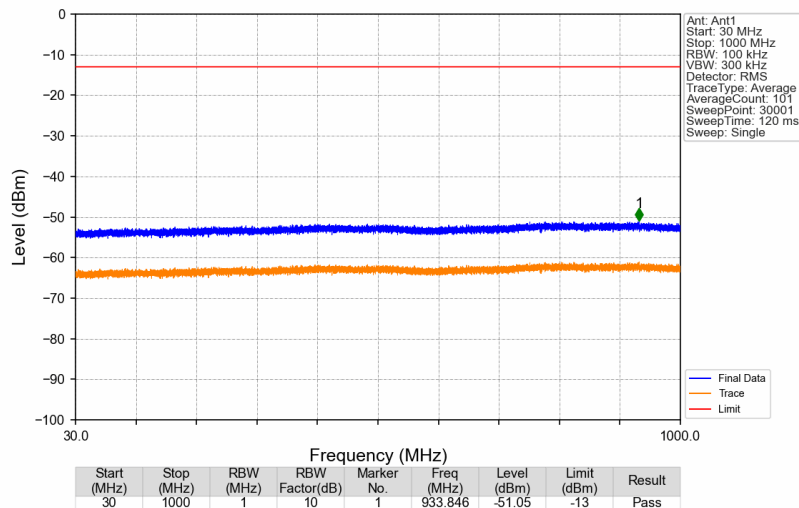
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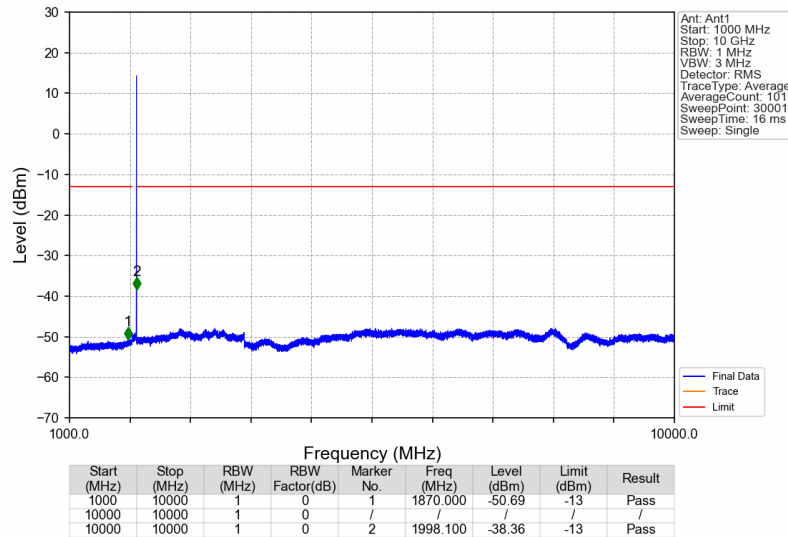
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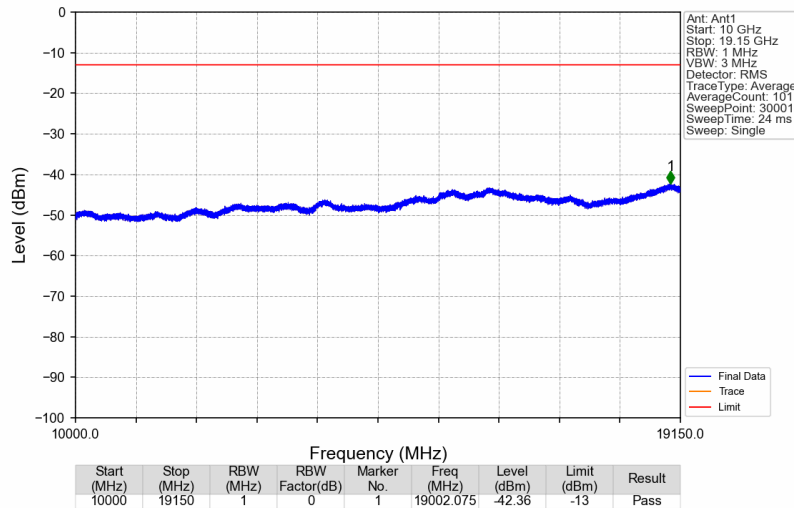
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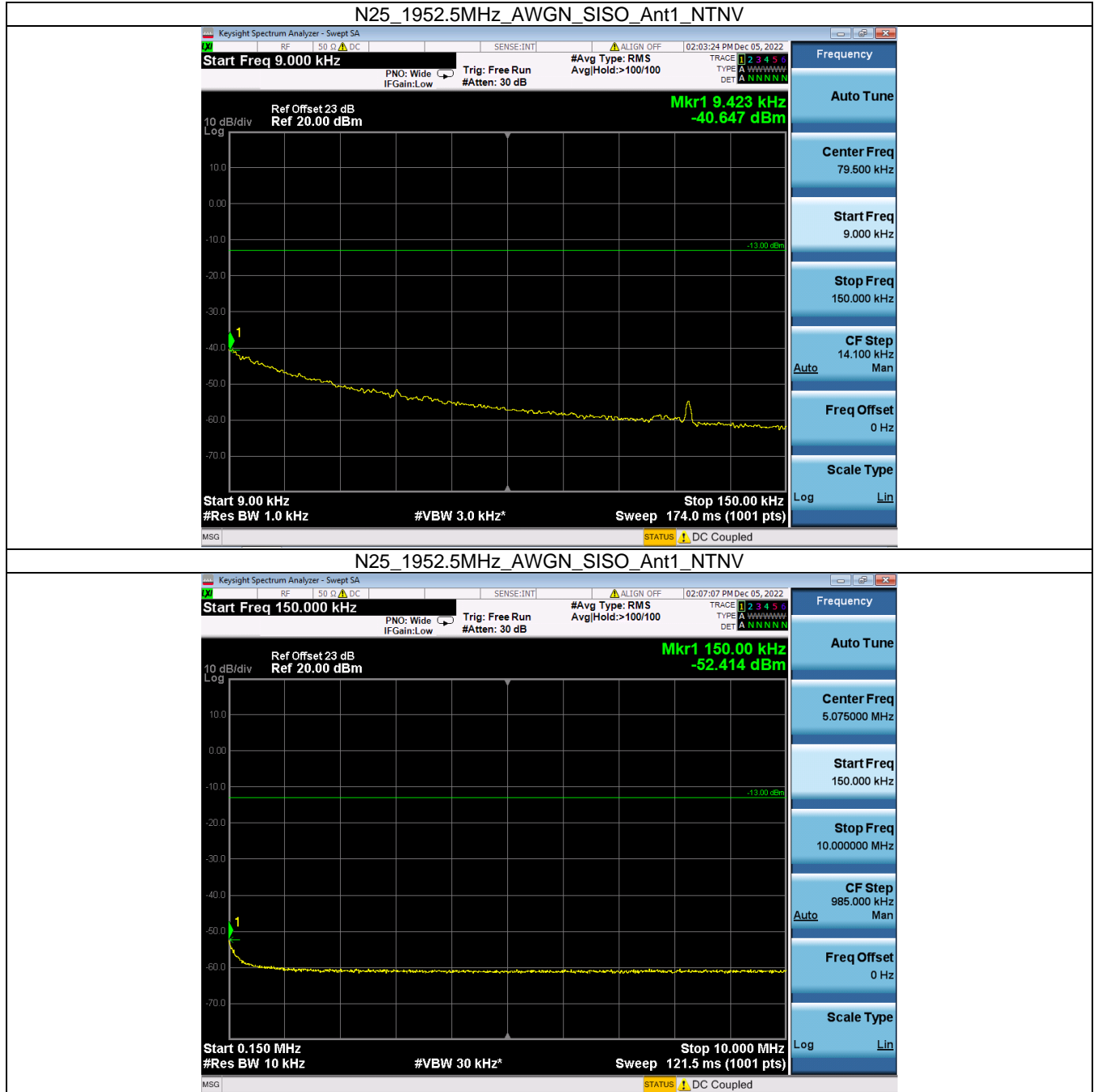
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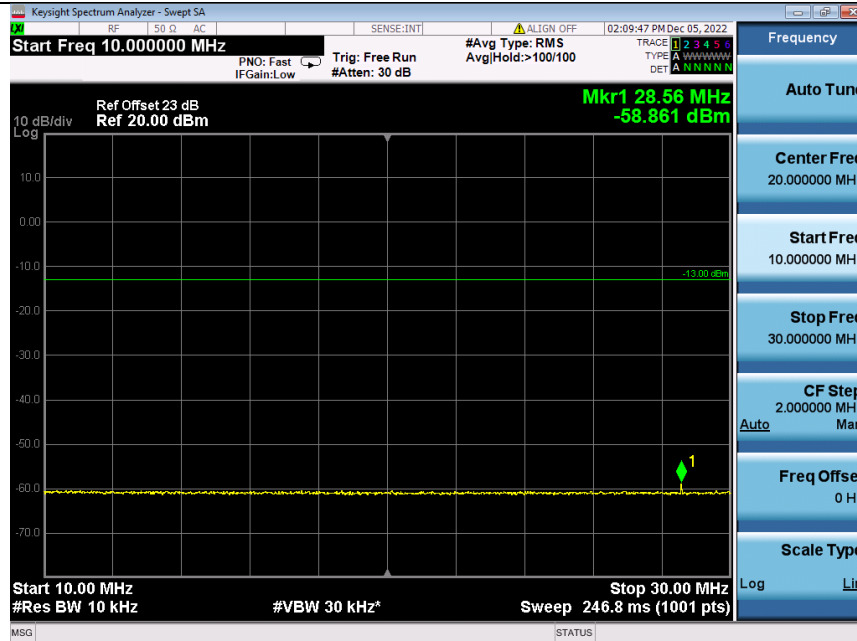
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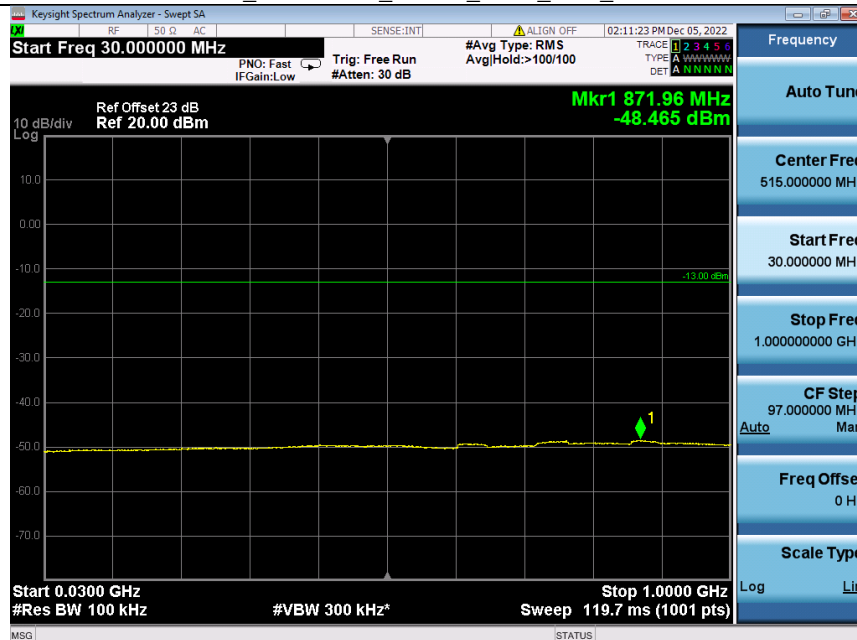
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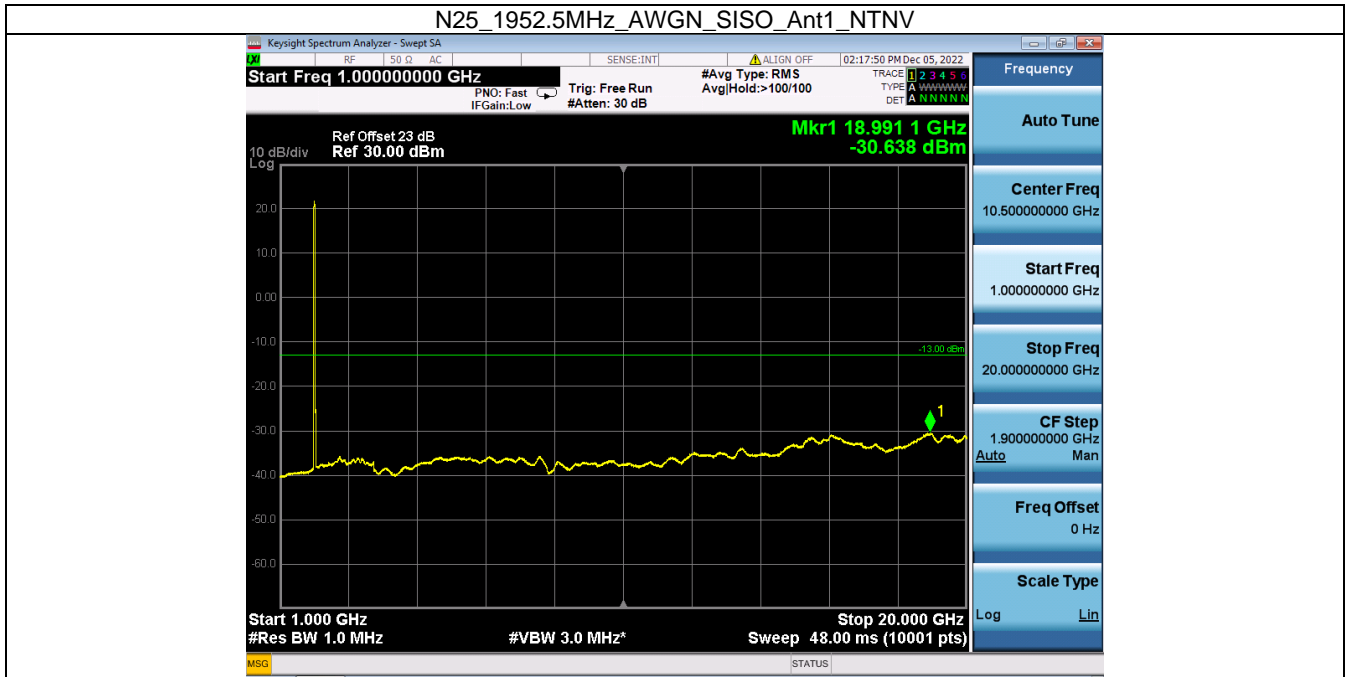


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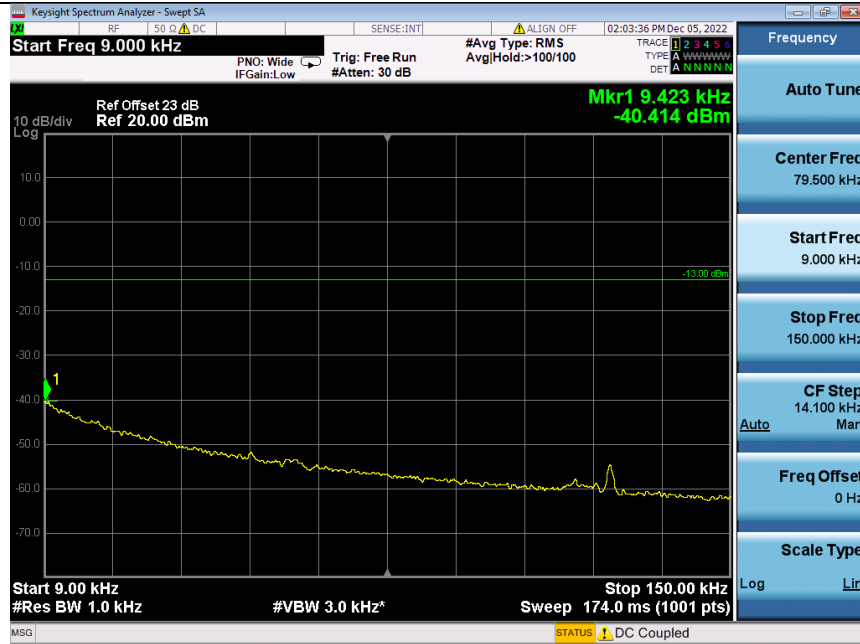
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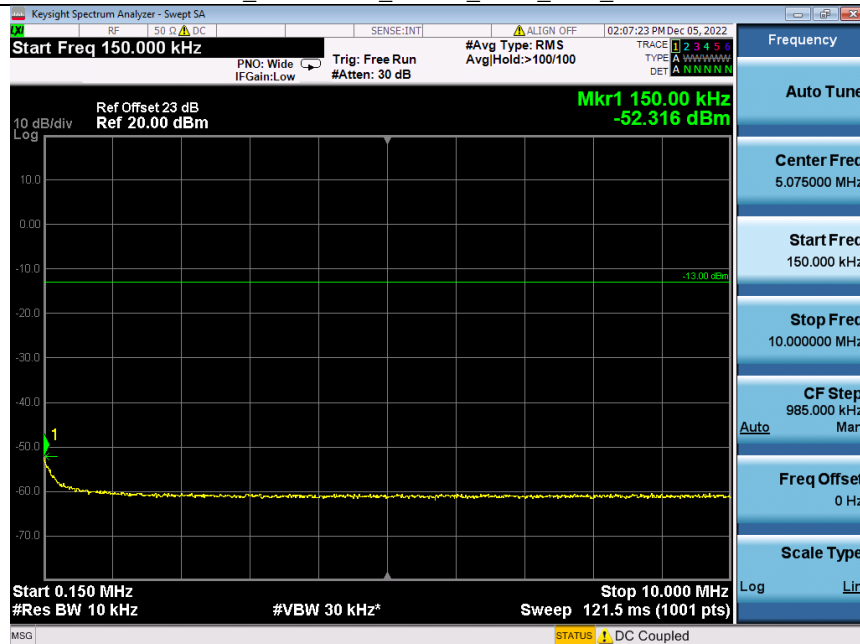
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## N25\_1962.5MHz\_AWGN\_SISO\_Ant1\_NTNV



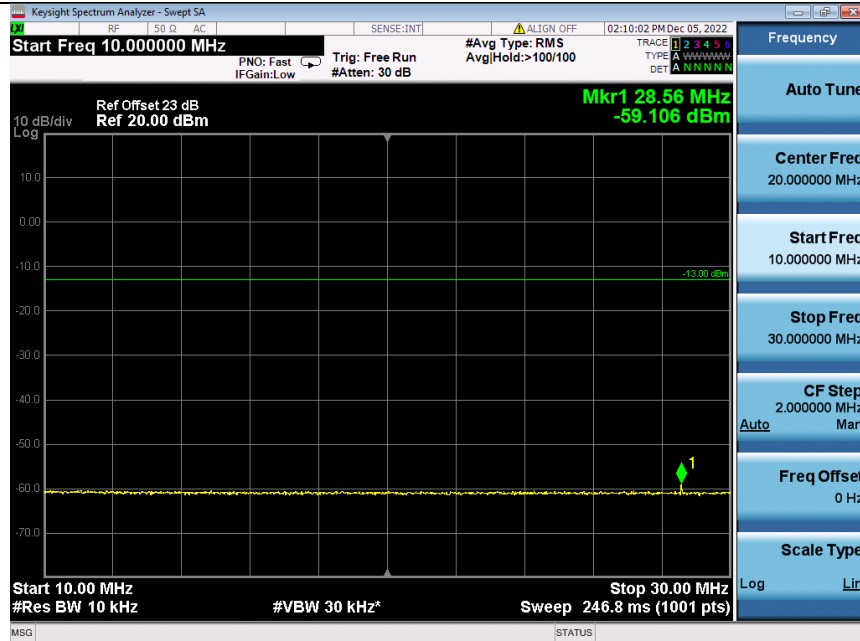
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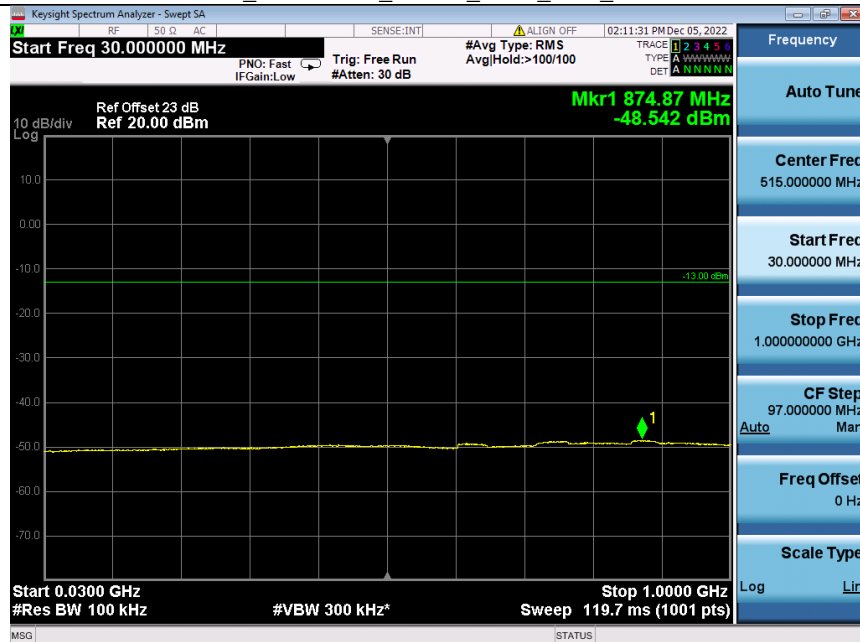
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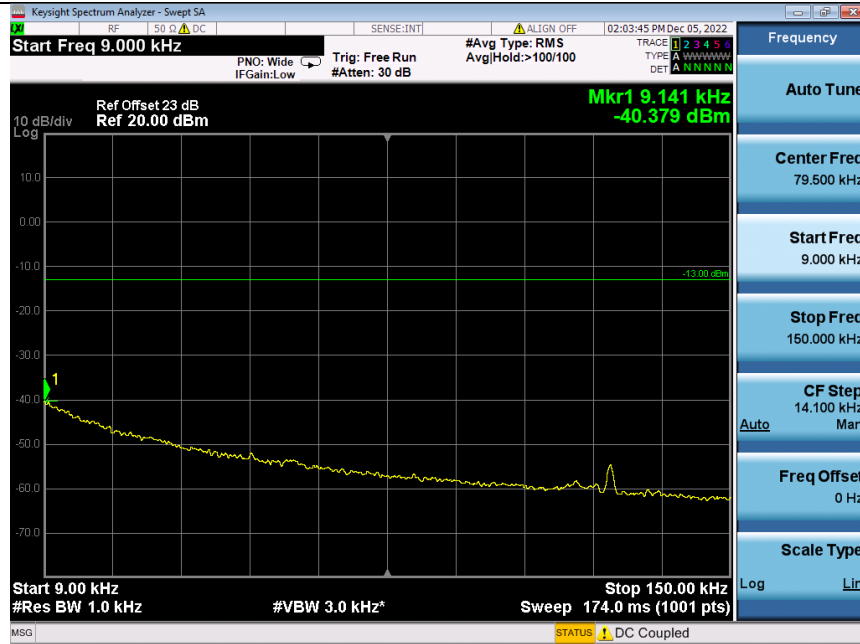
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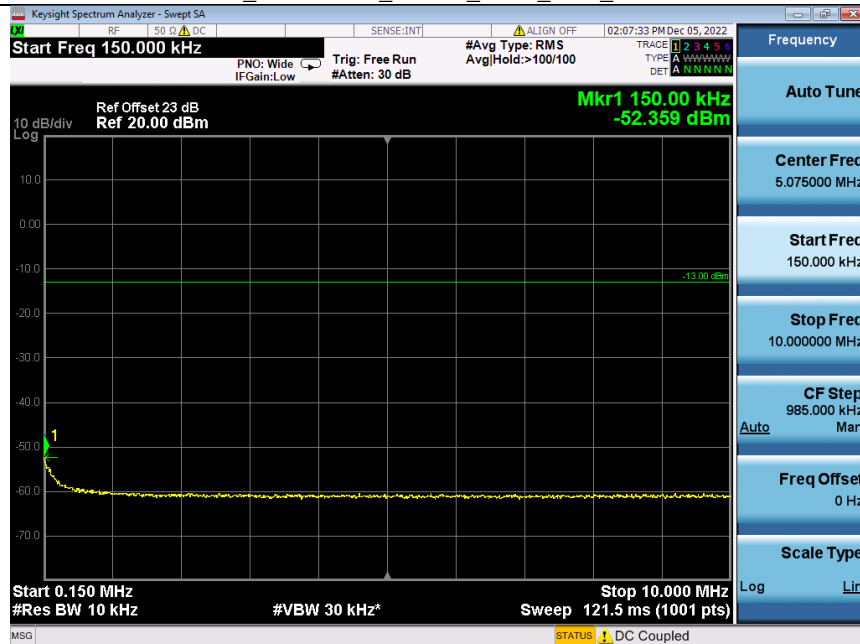
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## N25\_1972.5MHz\_AWGN\_SISO\_Ant1\_NTNV



## N25\_1972.5MHz\_AWGN\_SISO\_Ant1\_NTNV



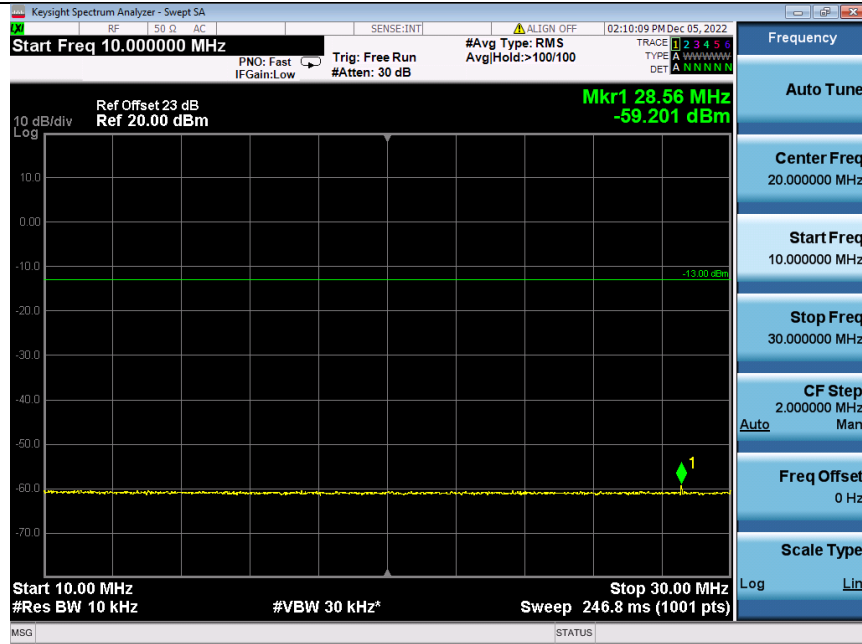
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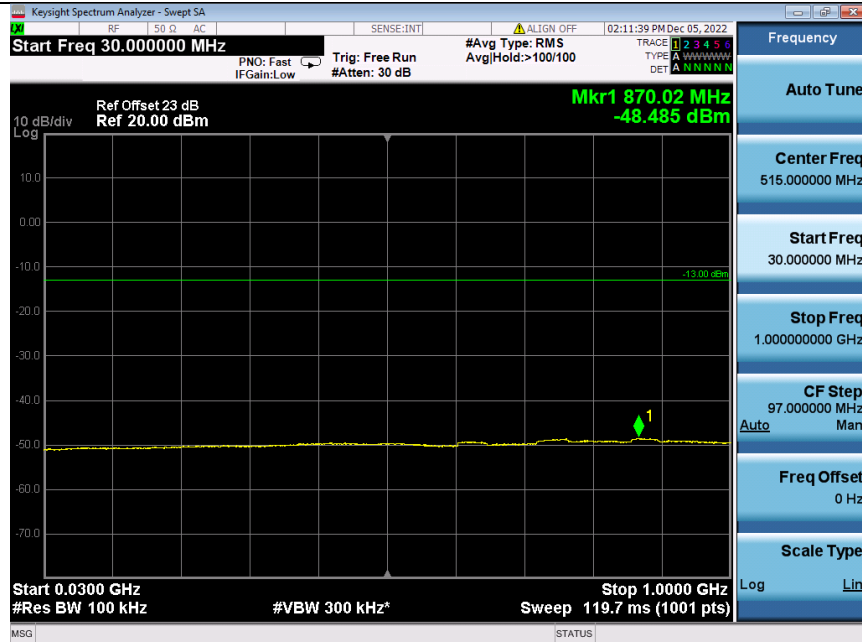
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## N25\_1972.5MHz\_AWGN\_SISO\_Ant1\_NTNV



## N25\_1972.5MHz\_AWGN\_SISO\_Ant1\_NTNV



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## 7. Frequency stability measurements

### 7.1 Band25\_Ant1

#### 7.1.1 Test Result

Band: 25 / NTV								
Signal			Temp (°C)	Voltage (VAC)	Freq. Error (Hz)	Tolerance (ppm)	Verdict	
Type	Level (dBm)	Frequency (MHz)						
CW	-0.3	1930.1	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
		1962.5	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
		1994.9	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 Band25\_Ant1

#### 8.1.1 Test Result

For LTE Band 25

AWGN_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
396.8	Horizontal	-70.47	-13	-57.47	pass
596.7	Horizontal	-61.28	-13	-48.28	pass
951.7	Horizontal	-60.32	-13	-47.32	pass
1356.8	Horizontal	-56.37	-13	-43.37	pass
2758.6	Horizontal	-54.67	-13	-41.67	pass
6299.8	Horizontal	-49.95	-13	-36.95	pass
397.5	Vertical	-67.16	-13	-54.16	pass
563.5	Vertical	-64.30	-13	-51.30	pass
943.6	Vertical	-59.91	-13	-46.91	pass
1360.2	Vertical	-57.38	-13	-44.38	pass
2766.5	Vertical	-56.91	-13	-43.91	pass
6308.9	Vertical	-47.20	-13	-34.20	pass

AWGN_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
378.3	Horizontal	-68.46	-13	-55.46	pass
581.9	Horizontal	-66.03	-13	-53.03	pass
934.1	Horizontal	-61.25	-13	-48.25	pass
1330.3	Horizontal	-58.66	-13	-45.66	pass
2758.5	Horizontal	-52.35	-13	-39.35	pass
6309.9	Horizontal	-49.83	-13	-36.83	pass
372.0	Vertical	-70.37	-13	-57.37	pass
599.8	Vertical	-66.65	-13	-53.65	pass
946.5	Vertical	-58.09	-13	-45.09	pass
1345.6	Vertical	-59.83	-13	-46.83	pass
2742.7	Vertical	-51.45	-13	-38.45	pass
6275.3	Vertical	-50.34	-13	-37.34	pass

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AWGN_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
364.1	Horizontal	-66.95	-13	-53.95	pass
577.2	Horizontal	-65.66	-13	-52.66	pass
929.1	Horizontal	-59.73	-13	-46.73	pass
1374.2	Horizontal	-58.69	-13	-45.69	pass
2768.9	Horizontal	-56.48	-13	-43.48	pass
6297.2	Horizontal	-51.56	-13	-38.56	pass
382.2	Vertical	-71.13	-13	-58.13	pass
592.2	Vertical	-63.95	-13	-50.95	pass
967.4	Vertical	-60.36	-13	-47.36	pass
1334.6	Vertical	-61.19	-13	-48.19	pass
2730.4	Vertical	-53.80	-13	-40.80	pass
6321.6	Vertical	-49.17	-13	-36.17	pass

GMSK_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
362.1	Horizontal	-66.68	-13	-53.68	pass
592.1	Horizontal	-64.61	-13	-51.61	pass
952.6	Horizontal	-57.35	-13	-44.35	pass
1349.0	Horizontal	-60.71	-13	-47.71	pass
2765.4	Horizontal	-51.53	-13	-38.53	pass
6277.8	Horizontal	-49.30	-13	-36.30	pass
358.4	Vertical	-68.93	-13	-55.93	pass
606.8	Vertical	-66.83	-13	-53.83	pass
940.7	Vertical	-56.93	-13	-43.93	pass
1352.6	Vertical	-61.77	-13	-48.77	pass
2774.3	Vertical	-52.95	-13	-39.95	pass
6314.9	Vertical	-50.10	-13	-37.10	pass



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GMSK_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
376.4	Horizontal	-66.29	-13	-53.29	pass
607.2	Horizontal	-63.85	-13	-50.85	pass
940.3	Horizontal	-61.64	-13	-48.64	pass
1328.6	Horizontal	-58.04	-13	-45.04	pass
2762.1	Horizontal	-54.42	-13	-41.42	pass
6281.3	Horizontal	-48.34	-13	-35.34	pass
355.9	Vertical	-66.96	-13	-53.96	pass
593.8	Vertical	-61.57	-13	-48.57	pass
953.2	Vertical	-58.95	-13	-45.95	pass
1328.1	Vertical	-58.43	-13	-45.43	pass
2727.8	Vertical	-54.08	-13	-41.08	pass
6285.5	Vertical	-51.17	-13	-38.17	pass

GMSK_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
371.7	Horizontal	-67.33	-13	-54.33	pass
599.0	Horizontal	-64.46	-13	-51.46	pass
936.4	Horizontal	-60.63	-13	-47.63	pass
1354.6	Horizontal	-56.54	-13	-43.54	pass
2726.9	Horizontal	-51.85	-13	-38.85	pass
6312.4	Horizontal	-48.59	-13	-35.59	pass
364.9	Vertical	-69.89	-13	-56.89	pass
573.1	Vertical	-63.70	-13	-50.70	pass
942.6	Vertical	-61.25	-13	-48.25	pass
1325.5	Vertical	-56.14	-13	-43.14	pass
2735.0	Vertical	-54.18	-13	-41.18	pass
6291.0	Vertical	-47.48	-13	-34.48	pass



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For 5GNR N25

AWGN_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
365.3	Horizontal	-69.37	-13	-56.37	pass
586.0	Horizontal	-66.60	-13	-53.60	pass
974.9	Horizontal	-58.26	-13	-45.26	pass
1366.8	Horizontal	-57.43	-13	-44.43	pass
2727.7	Horizontal	-53.07	-13	-40.07	pass
6316.6	Horizontal	-51.75	-13	-38.75	pass
360.9	Vertical	-67.76	-13	-54.76	pass
608.0	Vertical	-62.46	-13	-49.46	pass
974.7	Vertical	-59.62	-13	-46.62	pass
1341.5	Vertical	-60.46	-13	-47.46	pass
2727.8	Vertical	-51.02	-13	-38.02	pass
6297.3	Vertical	-51.67	-13	-38.67	pass

AWGN_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
406.5	Horizontal	-71.90	-13	-58.90	pass
604.8	Horizontal	-64.68	-13	-51.68	pass
941.5	Horizontal	-56.58	-13	-43.58	pass
1328.6	Horizontal	-56.10	-13	-43.10	pass
2748.0	Horizontal	-56.59	-13	-43.59	pass
6316.3	Horizontal	-49.63	-13	-36.63	pass
396.7	Vertical	-67.89	-13	-54.89	pass
596.2	Vertical	-62.14	-13	-49.14	pass
974.7	Vertical	-56.57	-13	-43.57	pass
1363.6	Vertical	-59.60	-13	-46.60	pass
2756.7	Vertical	-52.02	-13	-39.02	pass
6293.4	Vertical	-50.84	-13	-37.84	pass



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AWGN_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
389.4	Horizontal	-70.31	-13	-57.31	pass
585.7	Horizontal	-63.15	-13	-50.15	pass
945.7	Horizontal	-58.44	-13	-45.44	pass
1371.3	Horizontal	-61.46	-13	-48.46	pass
2756.8	Horizontal	-53.07	-13	-40.07	pass
6323.6	Horizontal	-48.83	-13	-35.83	pass
362.8	Vertical	-67.40	-13	-54.40	pass
597.0	Vertical	-63.43	-13	-50.43	pass
958.6	Vertical	-56.01	-13	-43.01	pass
1332.5	Vertical	-56.54	-13	-43.54	pass
2772.8	Vertical	-56.05	-13	-43.05	pass
6309.7	Vertical	-50.66	-13	-37.66	pass



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