

Appendix for KSCR2211002212AT-LTE-Band41+5GNR-N41

1. Out of band rejection

1.1 Band41

1.1.1 Test Result

Band: 41 / NTNV							
Signal	Sweep Frequency Range (MHz)	TX Type	ANT	F0 (MHz)	FL (MHz)	FH (MHz)	Verdict
CW	2108 - 3078	SISO	1	2596.880	2492.120	2694.850	Pass

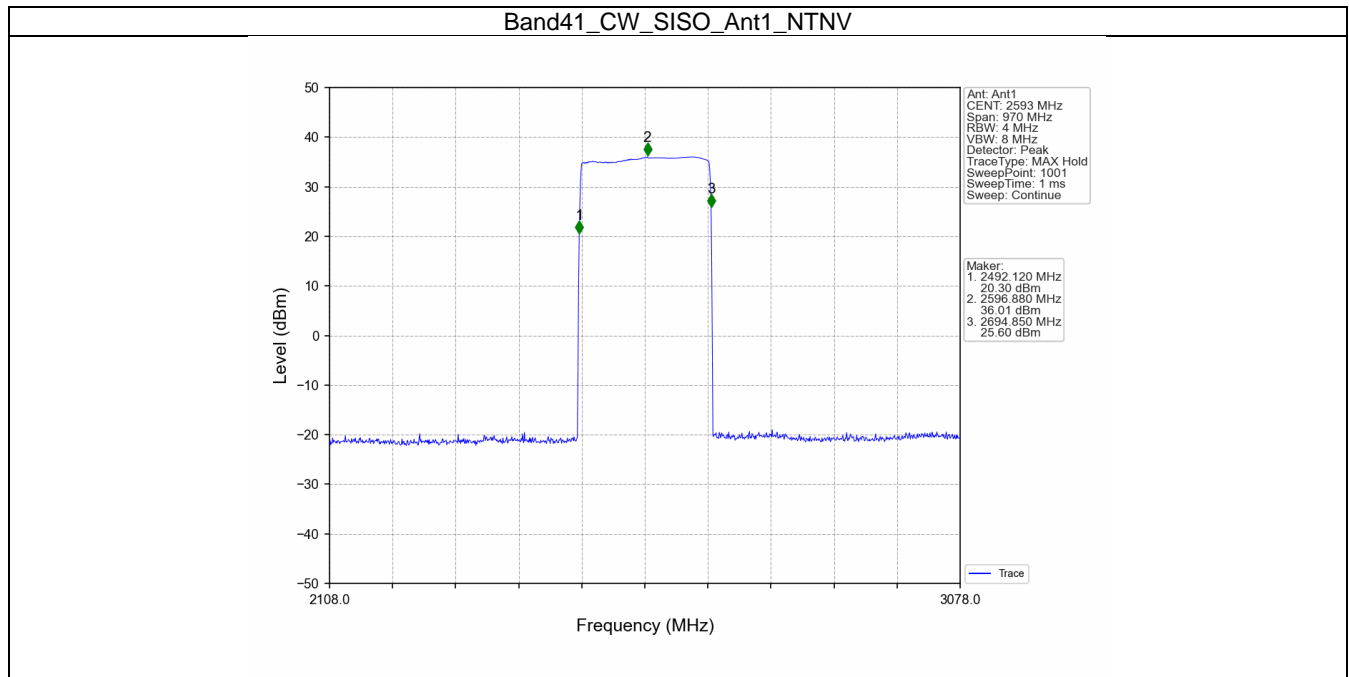


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1.1.2 Test Graph



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2. AGC threshold

2.1 Band41

2.1.1 Test Result

Band: 41 / NTV					
Signal	Frequency (MHz)	TX Type	ANT	AGC Threshold (dBm)	Verdict
AWGN	2596.88	SISO	1	-0.30	Pass
GMSK	2596.88	SISO	1	-0.30	Pass



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3. Input-versus-output signal comparison

3.1 Band41_OBW

3.1.1 Test Result

For LTE Band 41

Band: 41 / NTN							
Type	Signal		TX Type	ANT	99% OBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	-0.3	2596.88	SISO	1	4.537	4.541	Pass
	2.7	2596.88	SISO	1	4.555	4.538	Pass
GMSK	-0.3	2596.88	SISO	1	0.243	0.245	Pass
	2.7	2596.88	SISO	1	0.244	0.245	Pass

For 5G NR N41

N41 / NTN							
Type	Signal		TX Type	ANT	99% OBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	-0.3	2593	SISO	1	95.853	94.971	Pass
	2.7	2593	SISO	1	95.747	94.640	Pass

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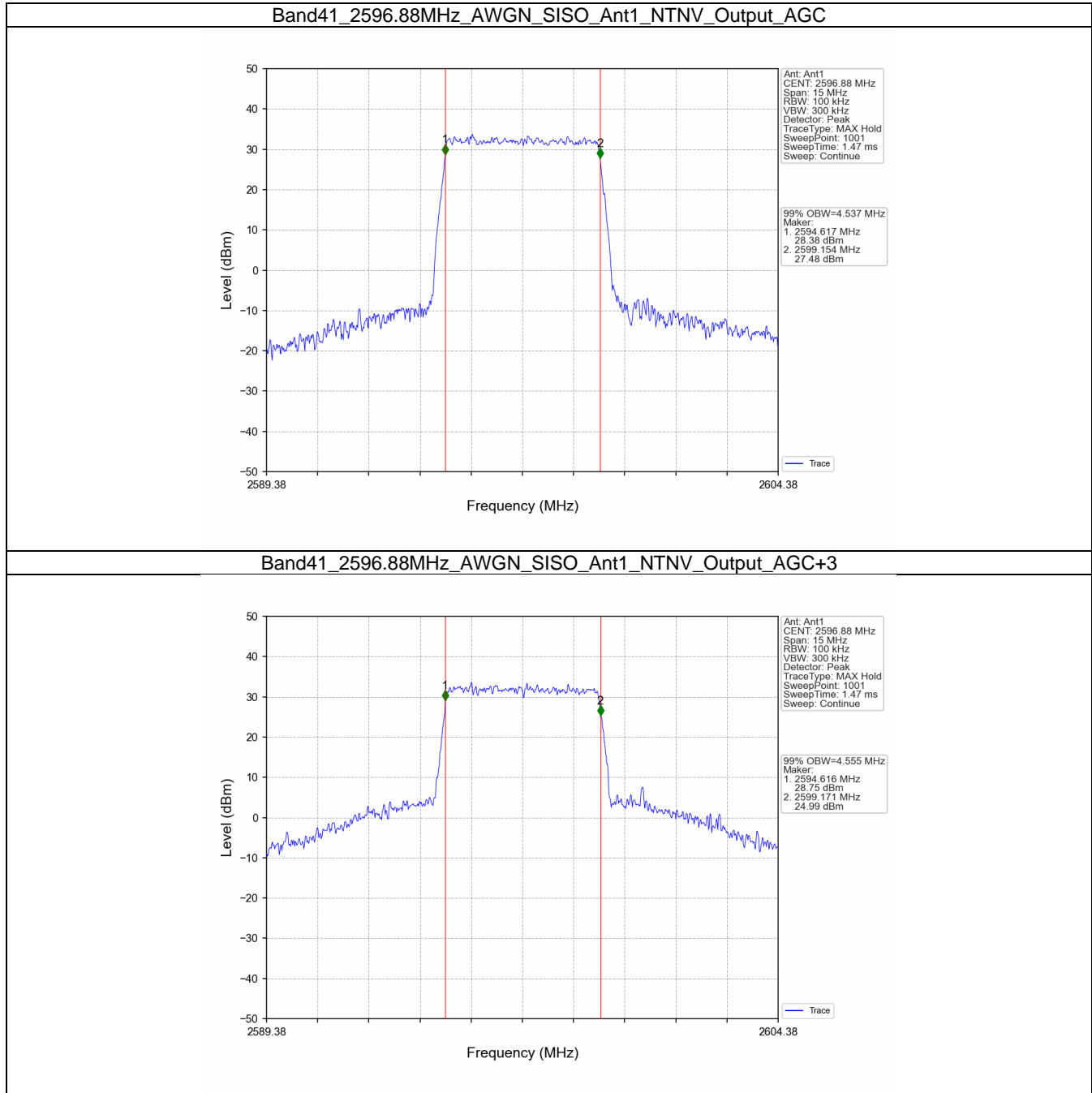
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3.1.2 Test Graph

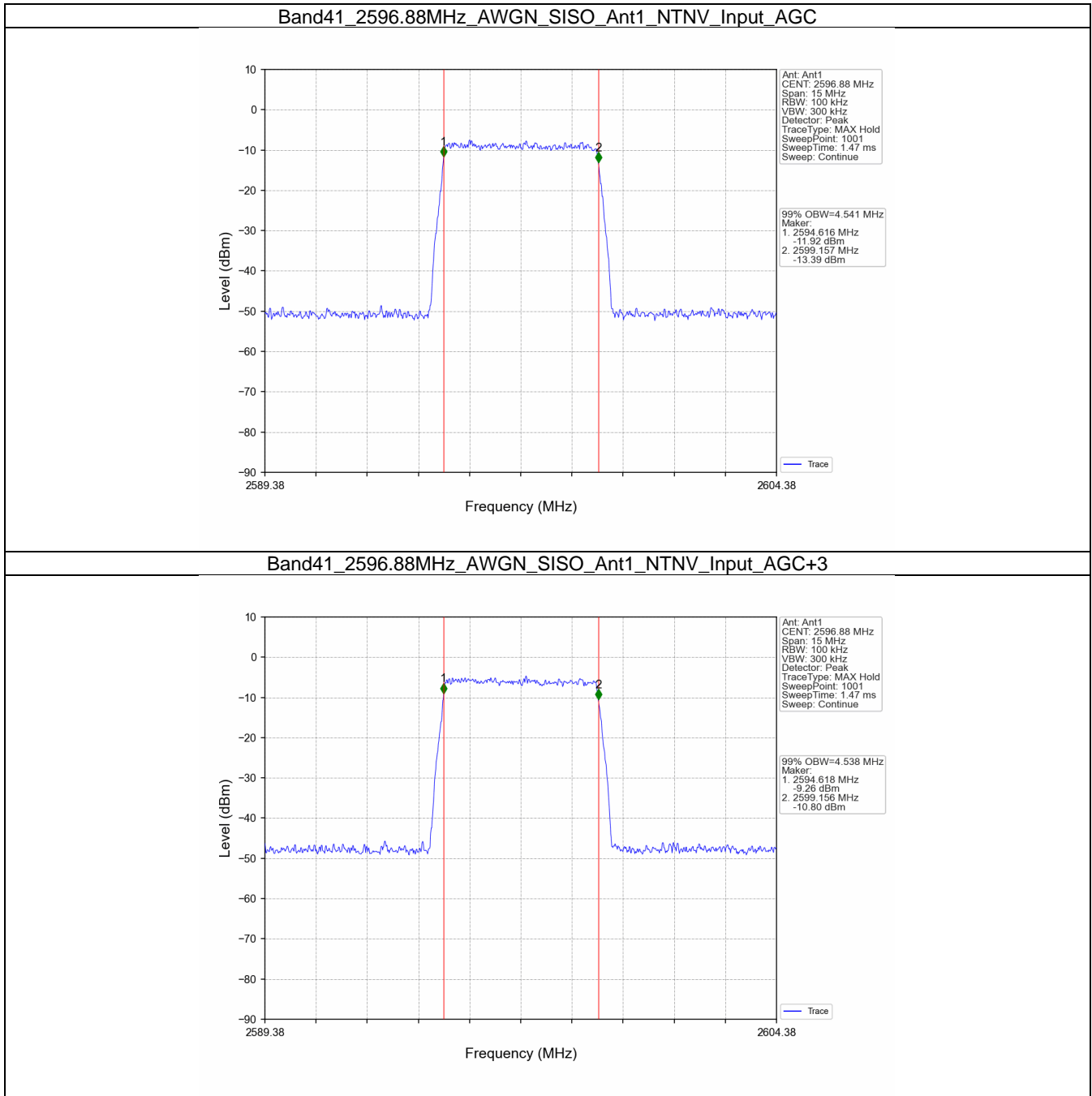
For LTE Band 41



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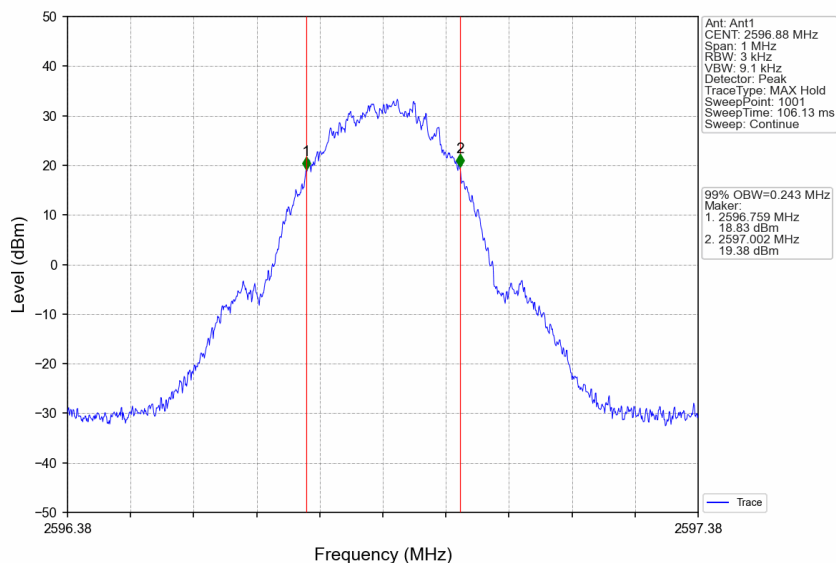
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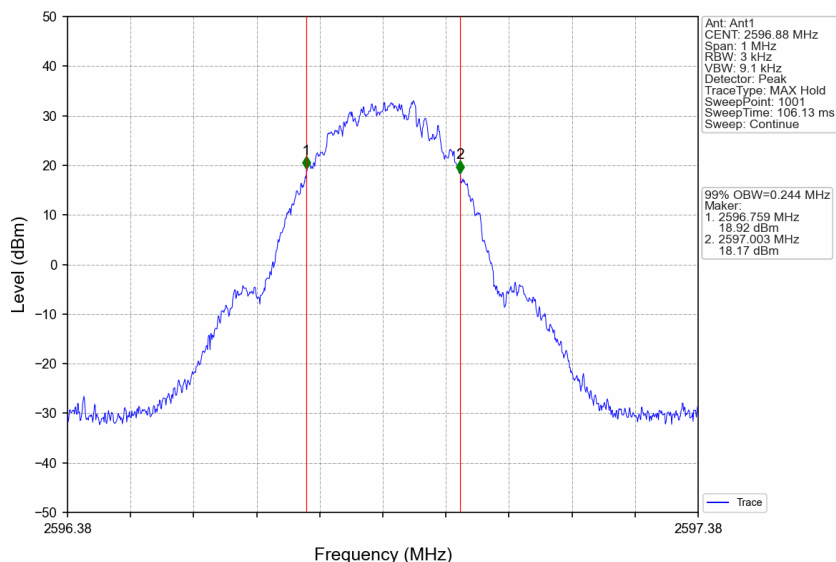
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Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_Output_AGC



Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_Output_AGC+3



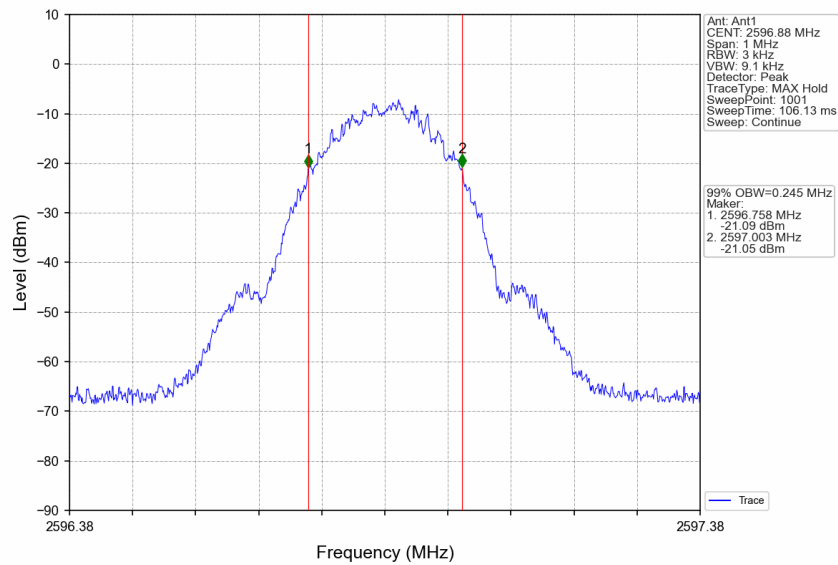
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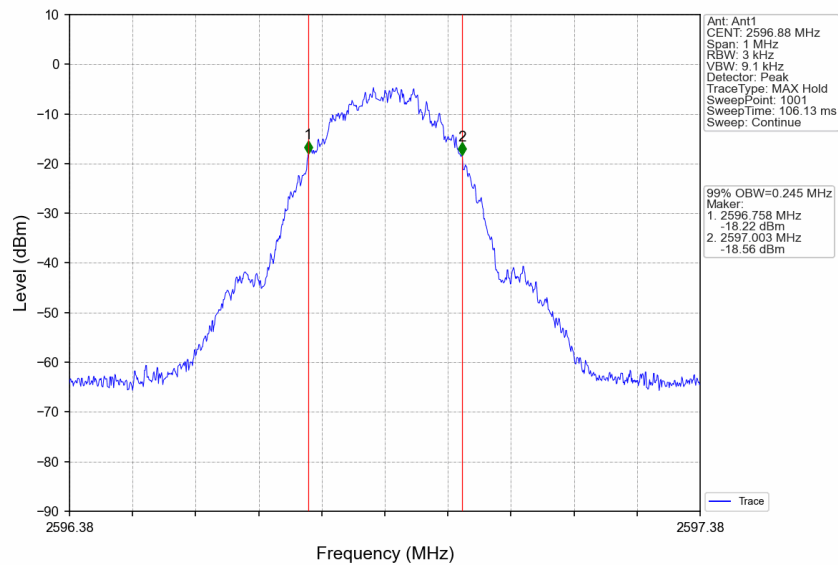
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Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_Input_AGC



Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_Input_AGC+3



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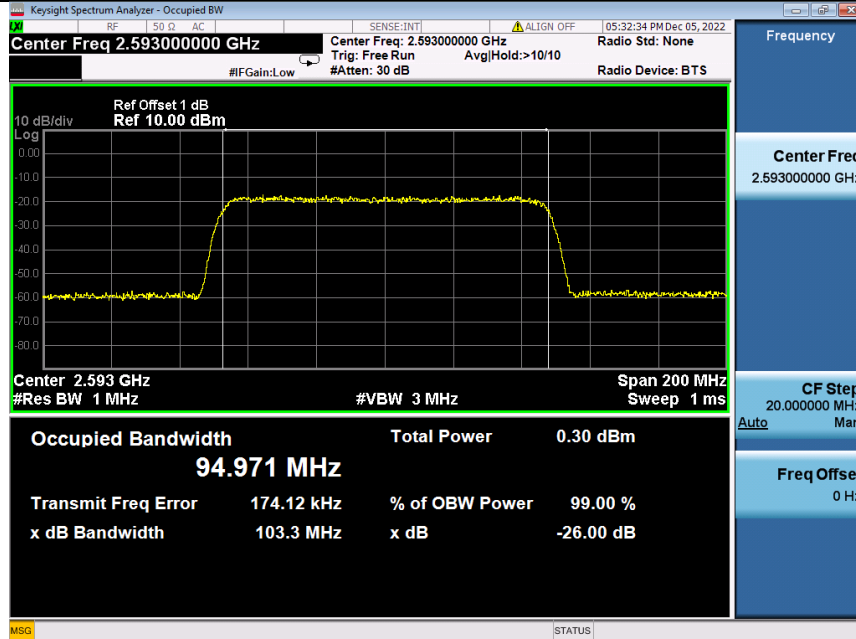
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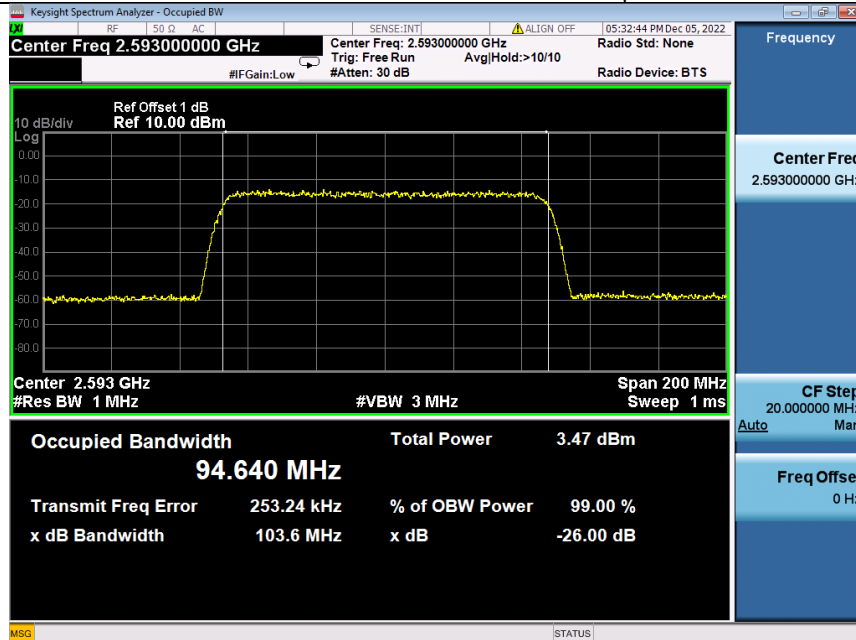
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N41_2593MHz_AWGN_SISO_Ant1_NTNV_Input_AGC+3



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3.2 Band41_EBW

3.2.1 Test Result

For LTE Band 41

Band: 41 / NTNV							
Type	Signal		TX Type	ANT	26dB EBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	-0.3	2596.88	SISO	1	5.073	5.063	Pass
	2.7	2596.88	SISO	1	5.082	5.060	Pass
GMSK	-0.3	2596.88	SISO	1	0.315	0.314	Pass
	2.7	2596.88	SISO	1	0.313	0.315	Pass

For 5G NR N41

N41 / NTNV							
Type	Signal		TX Type	ANT	26dB EBW (MHz)		Verdict
	Level (dBm)	Frequency (MHz)			Output	Input	
AWGN	-0.3	2596.88	SISO	1	102.4	103.3	Pass
	2.7	2596.88	SISO	1	102.4	103.6	Pass



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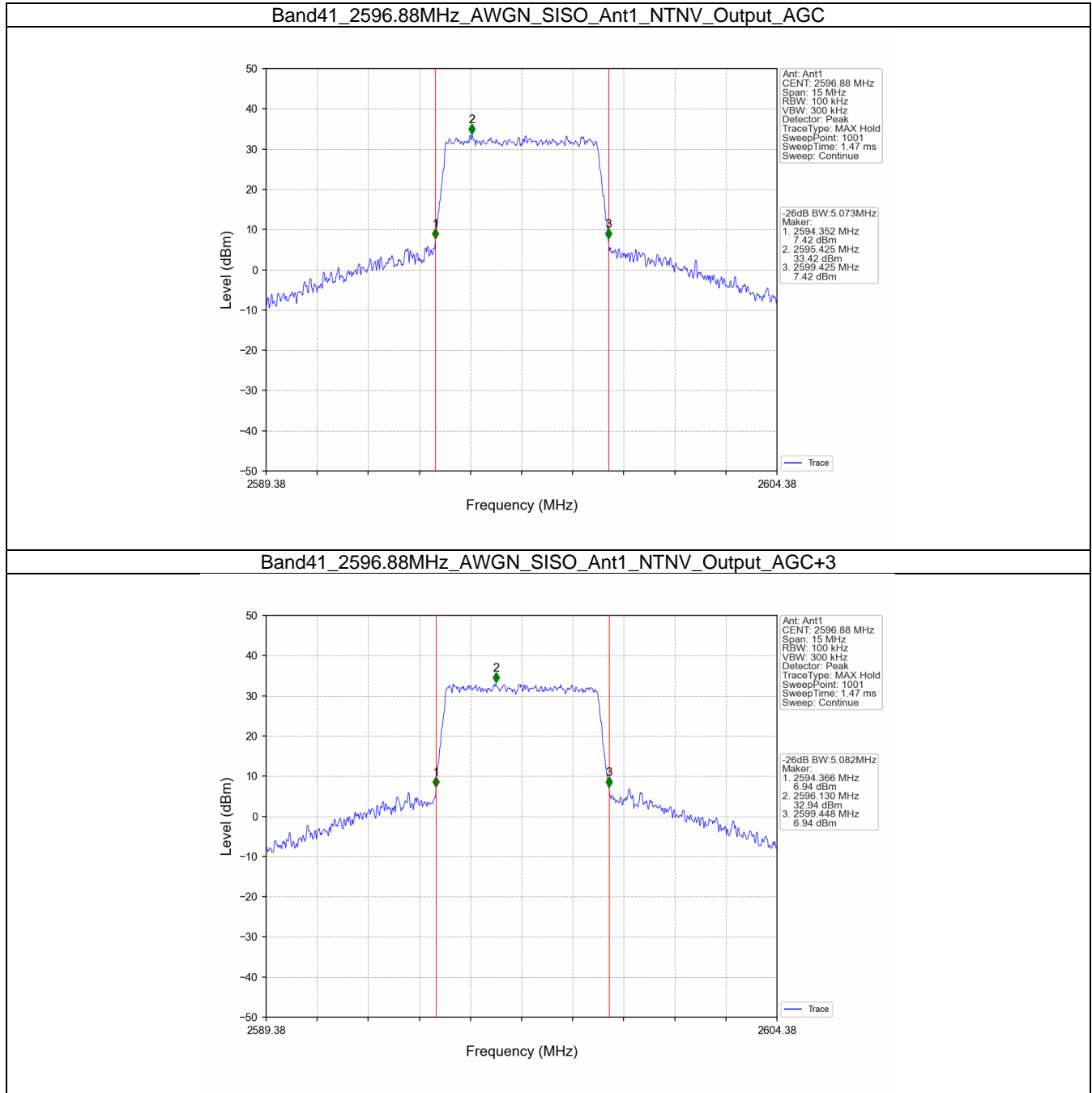
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3.2.2 Test Graph

For LTE Band 41

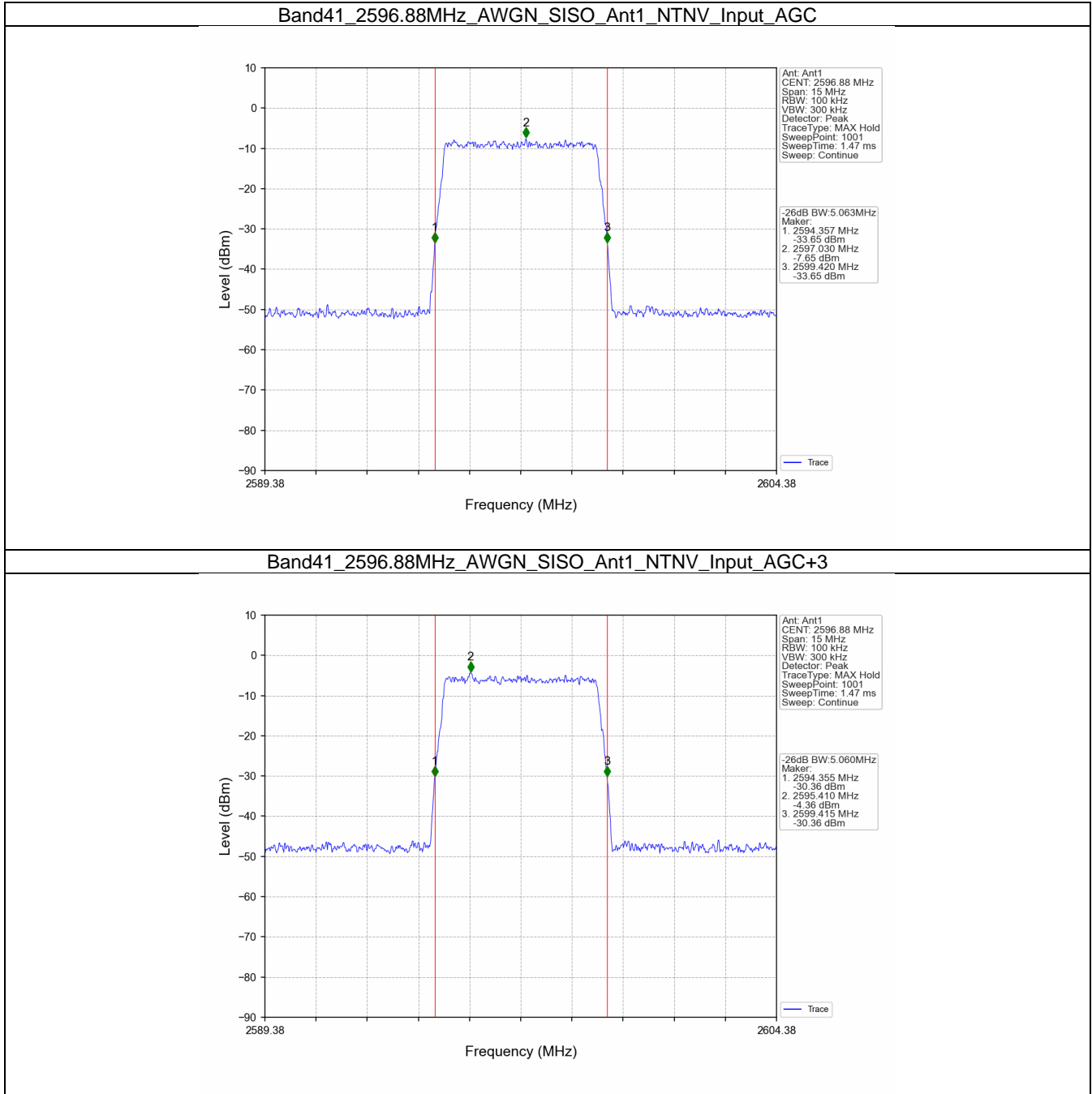


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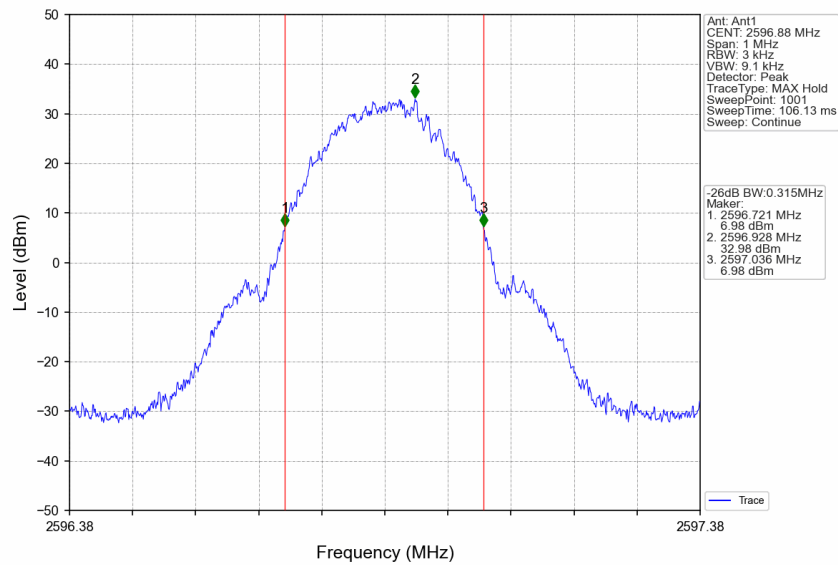
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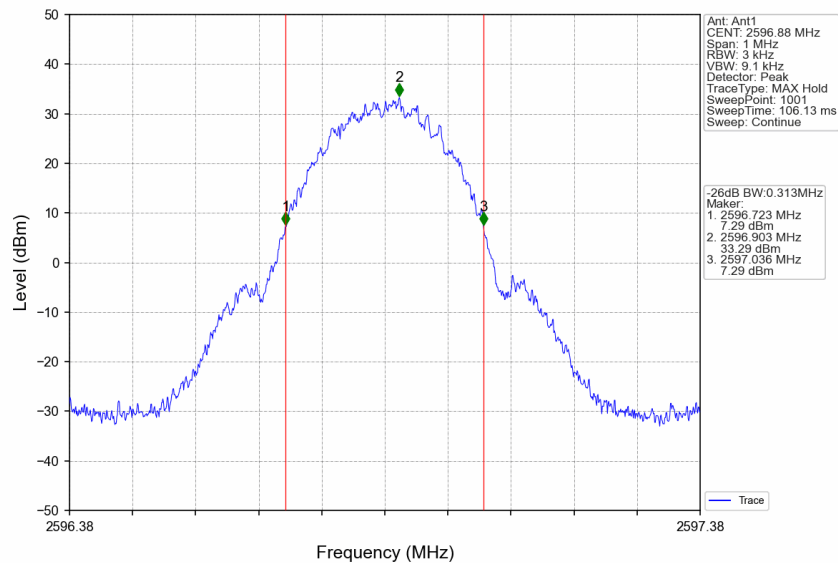
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Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_Output_AGC



Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_Output_AGC+3



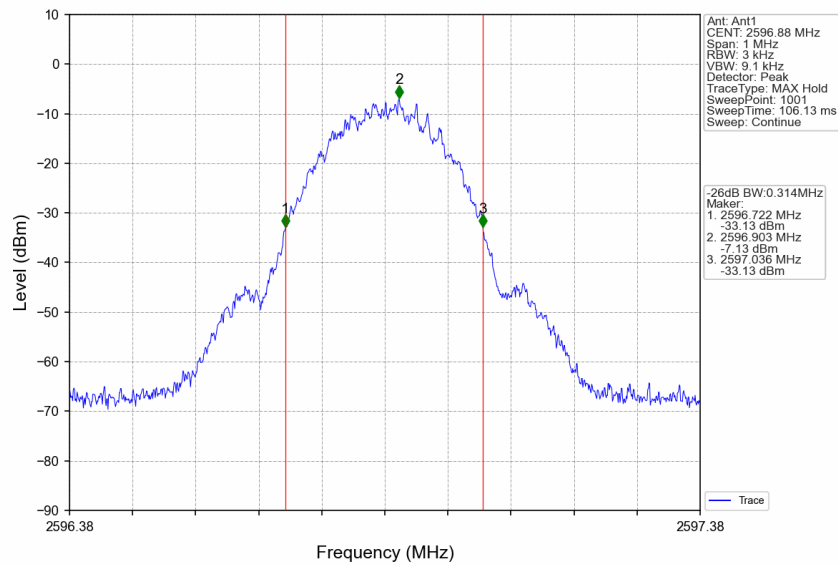
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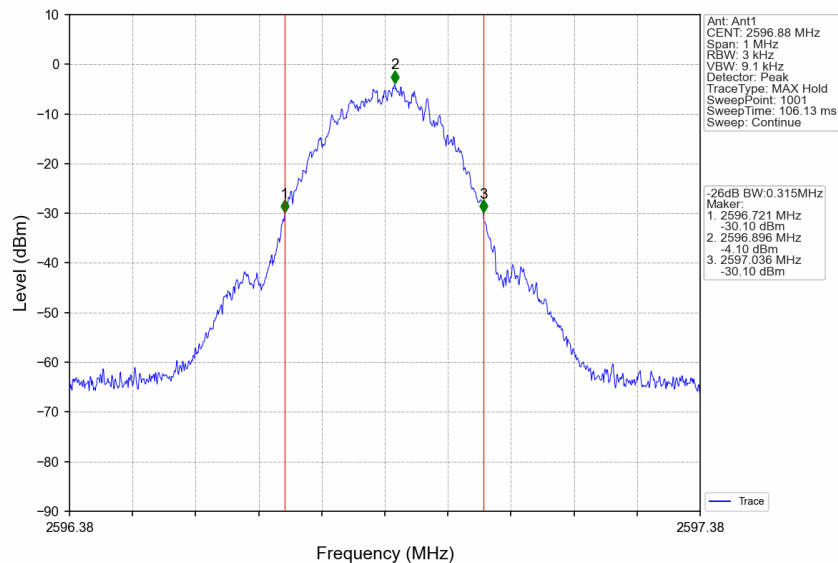
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Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_Input_AGC



Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_Input_AGC+3



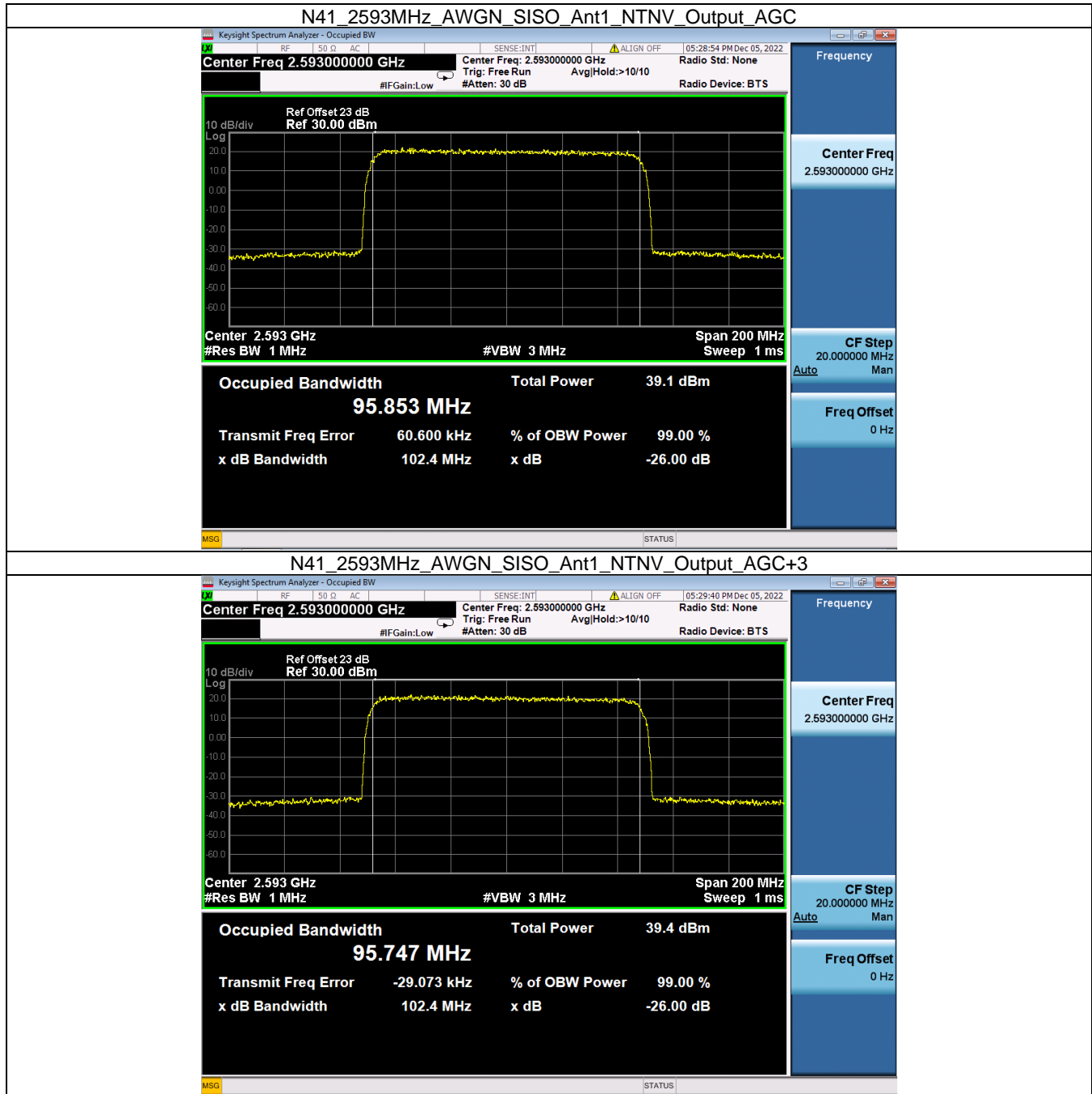
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For 5GNR N41



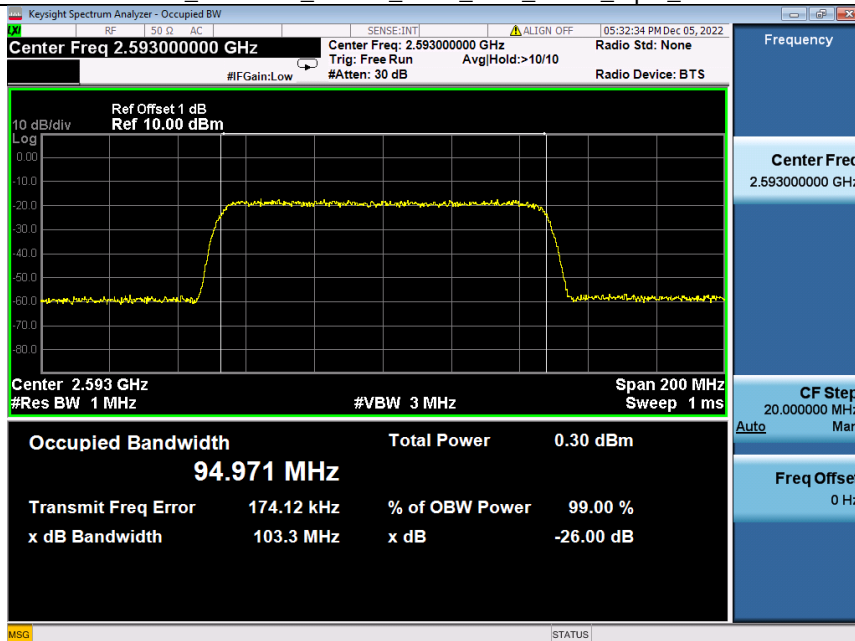
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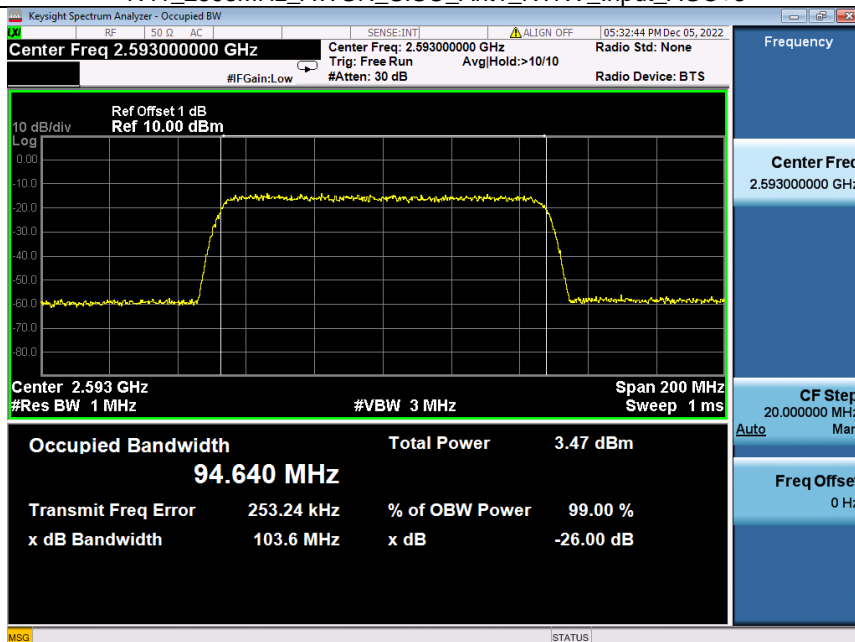
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N41_2593MHz_AWGN_SISO_Ant1_NTNV_Input_AGC



N41_2593MHz_AWGN_SISO_Ant1_NTNV_Input_AGC+3



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4. Input/output power and amplifier/booster gain

4.1 Band41_EIRP

4.1.1 Test Result

For LTE Band 41

Band: 41 / NTNV										
Signal			TX Type	ANT	Conducted Power (dBm)		EIRP (dBm)		Booster Gain (dB)	Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	Result	Limit		
AWGN	-0.3	2596.88	SISO	1	39.44	-0.32	51.44	<=92.27	39.76	Pass
	2.7	2596.88	SISO	1	39.56	2.67	51.56	<=92.27	/	Pass
GMSK	-0.3	2596.88	SISO	1	39.36	-0.13	51.36	<=80.2	39.49	Pass
	2.7	2596.88	SISO	1	39.39	2.81	51.39	<=80.2	/	Pass

For 5GNR N41

N41 / NTNV										
Signal			TX Type	ANT	Conducted Power (dBm)		EIRP (dBm)		Booster Gain (dB)	Verdict
Type	Level (dBm)	Frequency (MHz)			Output	Input	Result	Limit		
AWGN	-0.3	2593	SISO	1	39.27	-0.32	51.27	<=92.27	39.59	Pass
	2.7	2593	SISO	1	39.55	2.67	51.55	<=92.27	/	Pass

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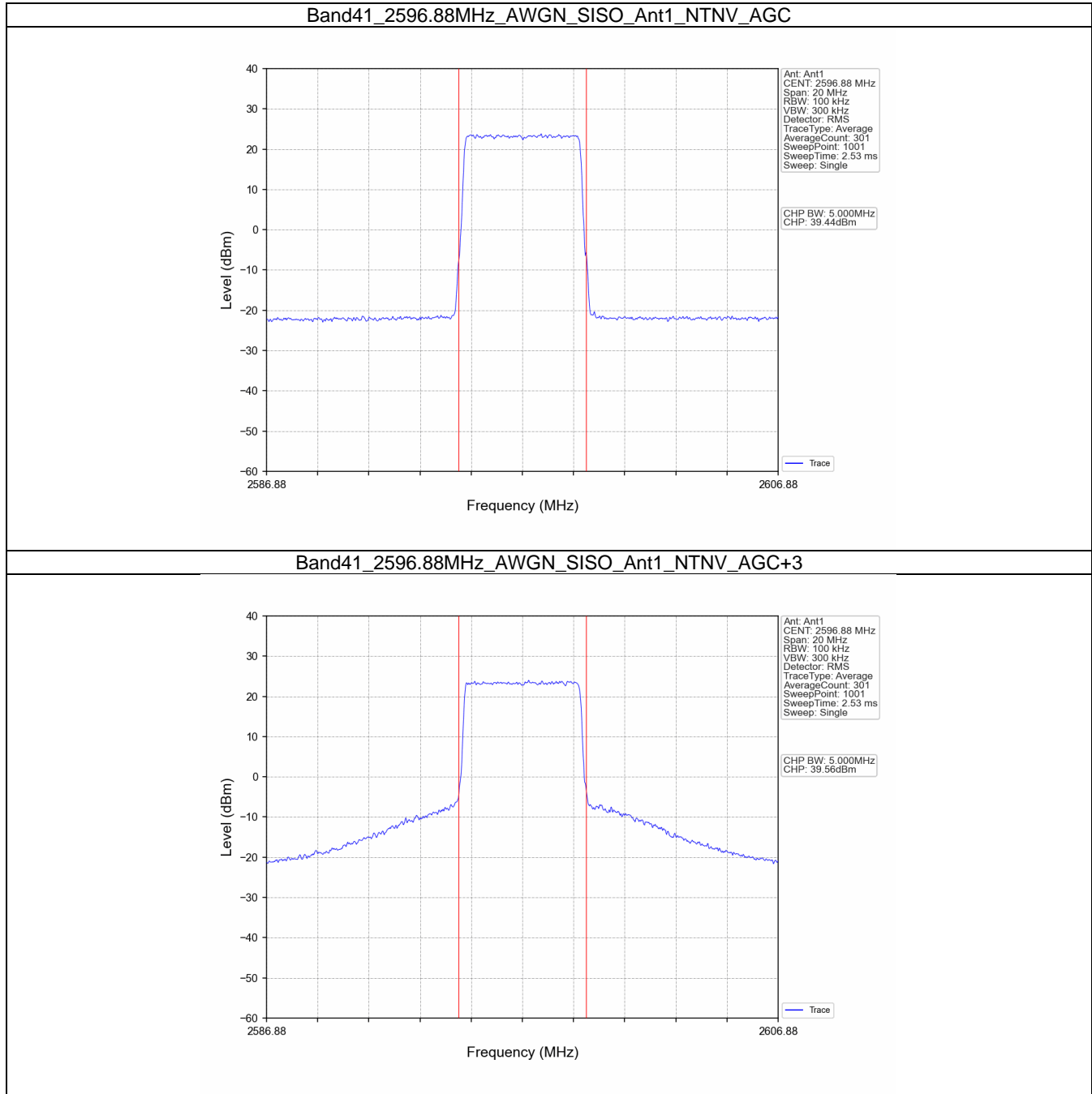


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4.1.2 Test Graph

For LTE Band 41



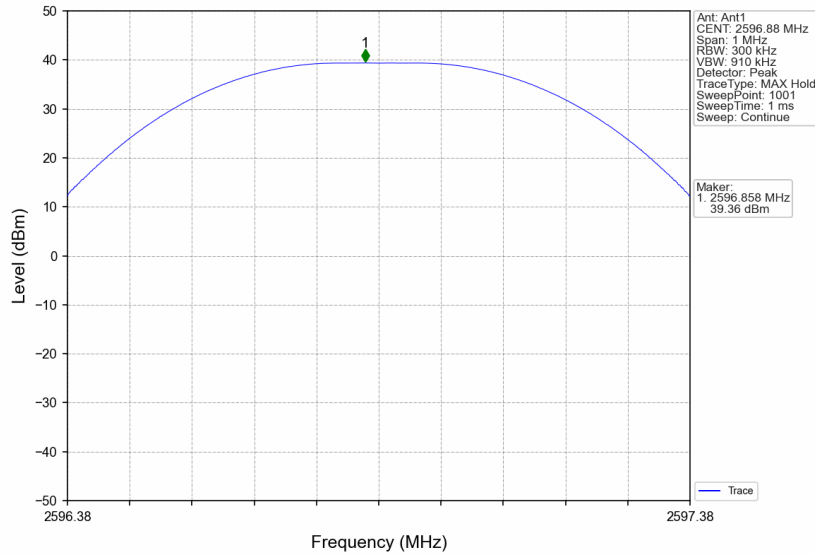
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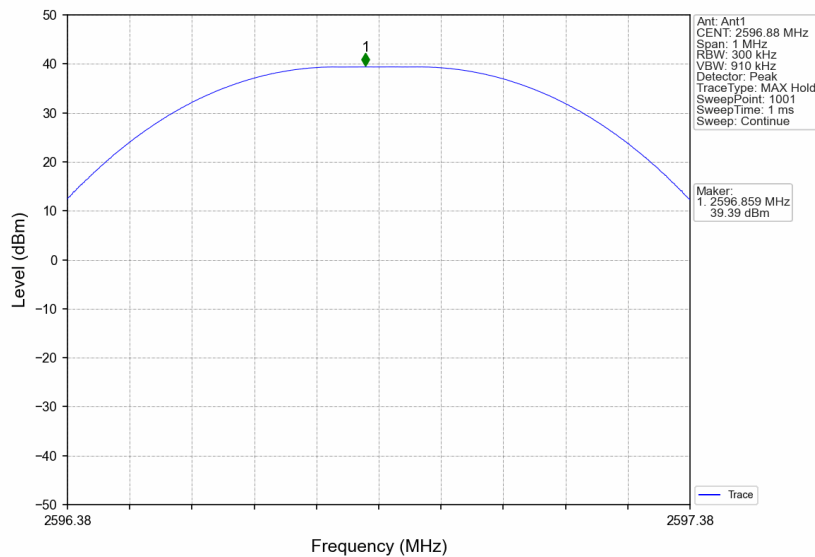
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Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_AGC



Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_AGC+3



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4.2 Band41_PAPR

4.2.1 Test Result

For LTE Band 41

Band: 41 / NTV							
Type	Signal		TX Type	ANT	PAPR (dB)		Verdict
	Level (dBm)	Frequency (MHz)			Result	Limit	
AWGN	-0.3	2596.88	SISO	1	8.30	<=13	Pass
	2.7	2596.88	SISO	1	8.30	<=13	Pass
GMSK	-0.3	2596.88	SISO	1	0.47	<=13	Pass
	2.7	2596.88	SISO	1	0.35	<=13	Pass

For 5GNR N41

N41 / NTV							
Type	Signal		TX Type	ANT	PAPR (dB)		Verdict
	Level (dBm)	Frequency (MHz)			Result	Limit	
AWGN	-0.3	2593	SISO	1	8.42	<=13	Pass
	2.7	2593	SISO	1	8.42	<=13	Pass

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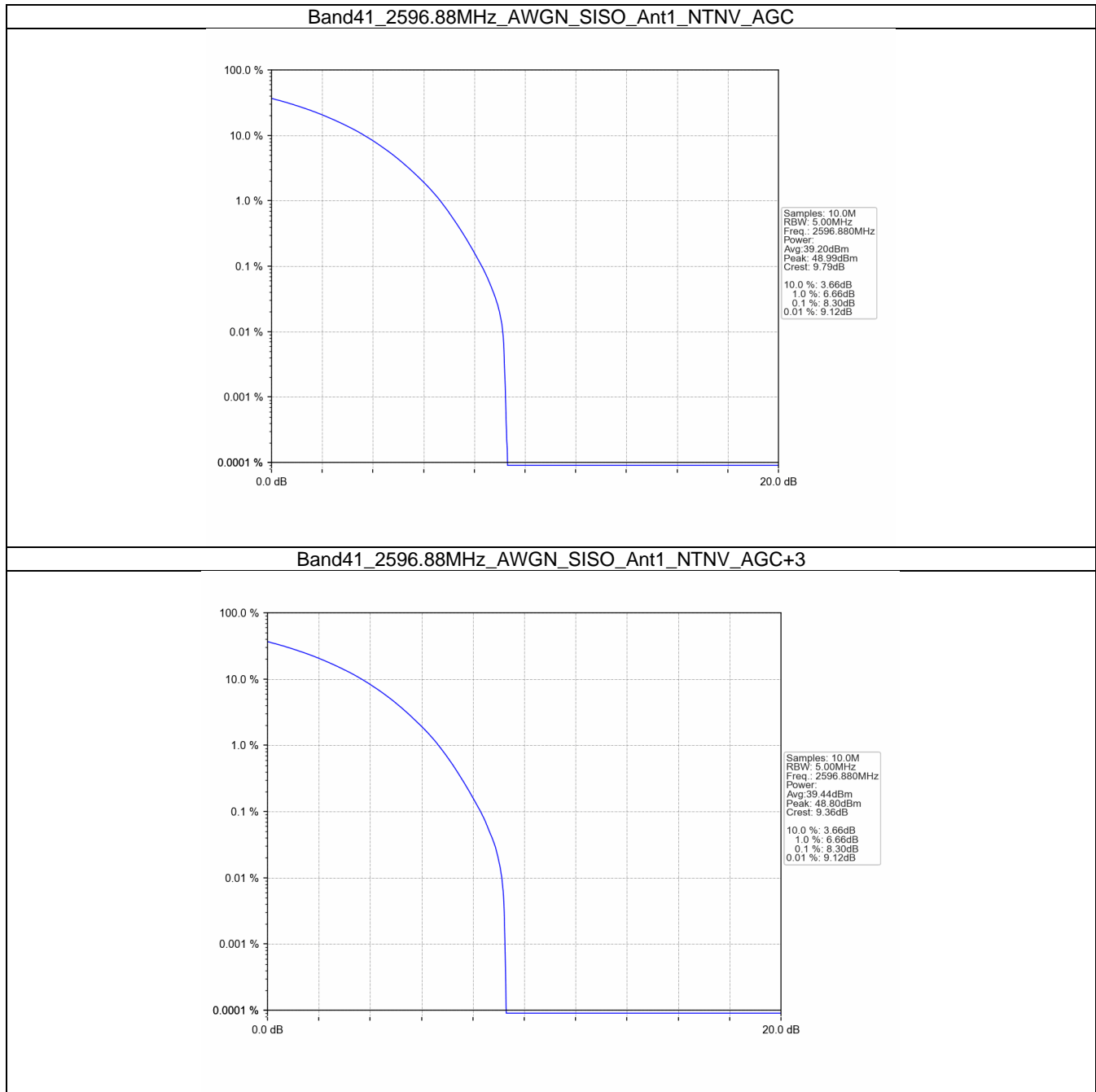
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4.2.2 Test Graph

For LTE Band 41

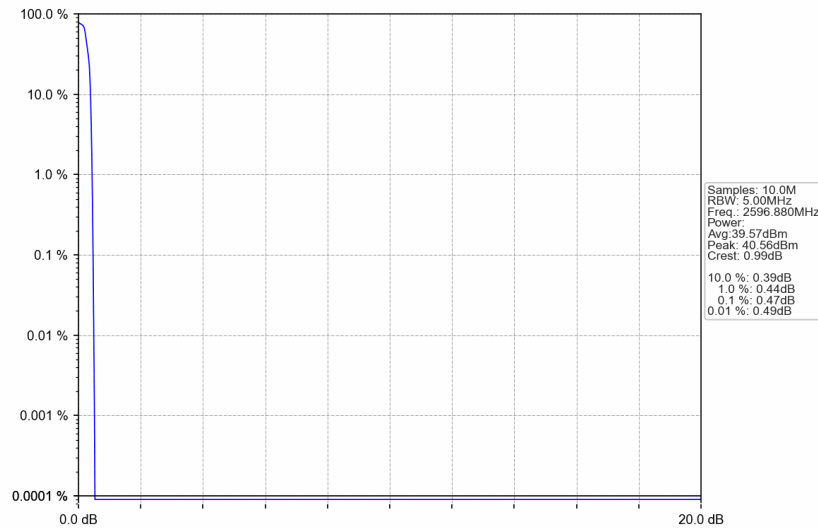


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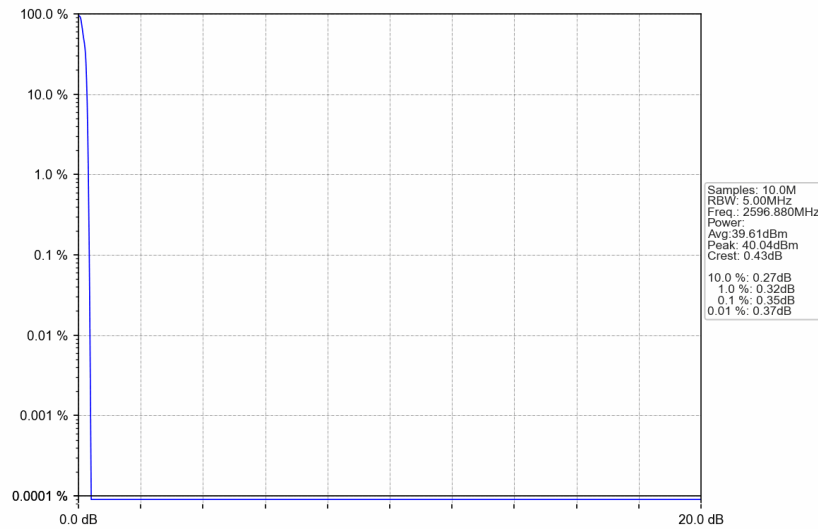
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Band41_2596.88MHz_GMSK_SISO_Ant1_NTNV_AGC+3



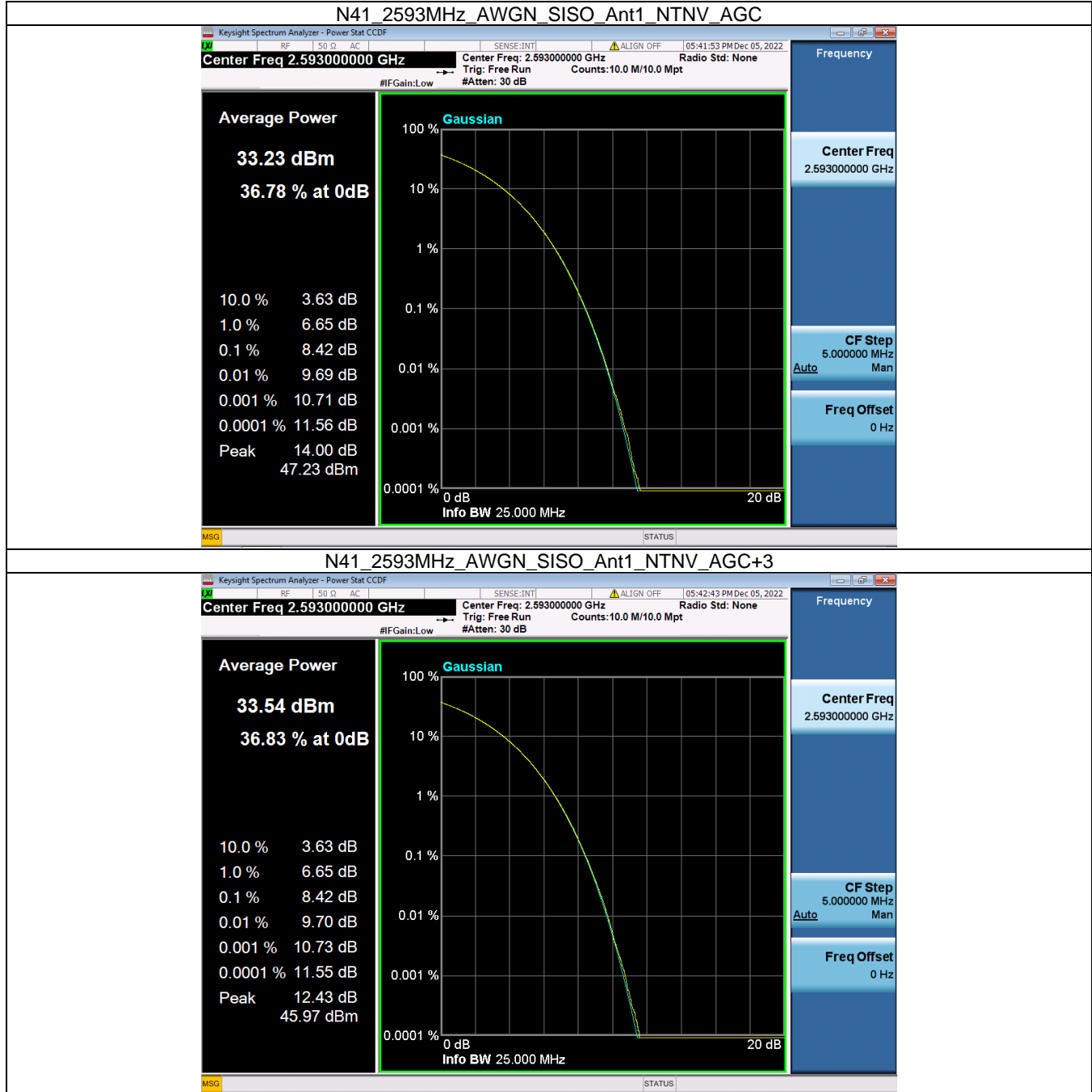
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5. Out-of-band/out-of-block (including intermodulation) emissions

5.1 Band41

5.1.1 Test Result

For LTE Band 41

Band: 41 / NTNV									
Signal				Channel	TX Type	ANT	OOB (dBm)		Verdict
Input	Type	Level (dBm)	Frequency (MHz)				Result	Limit	
Two	AWGN	-0.3	2498.5	LCH	SISO	1	-49.98	Refer To Test Graph	Pass
		2.7	2498.5	LCH	SISO	1	-42.79	Refer To Test Graph	Pass
One	AWGN	-0.3	2498.5	LCH	SISO	1	-49.88	Refer To Test Graph	Pass
		2.7	2498.5	LCH	SISO	1	-42.93	Refer To Test Graph	Pass
Two	AWGN	-0.3	2687.5	HCH	SISO	1	-47.83	Refer To Test Graph	Pass
		2.7	2687.5	HCH	SISO	1	-40.08	Refer To Test Graph	Pass
One	AWGN	-0.3	2687.5	HCH	SISO	1	-48.47	Refer To Test Graph	Pass
		2.7	2687.5	HCH	SISO	1	-38.90	Refer To Test Graph	Pass
Two	GMSK	-0.3	2496.1	LCH	SISO	1	-25.79	Refer To Test Graph	Pass
		2.7	2496.1	LCH	SISO	1	-22.64	Refer To Test Graph	Pass
One	GMSK	-0.3	2496.1	LCH	SISO	1	-25.92	Refer To Test Graph	Pass
		2.7	2496.1	LCH	SISO	1	-22.49	Refer To Test Graph	Pass
Two	GMSK	-0.3	2689.9	HCH	SISO	1	-25.91	Refer To Test Graph	Pass
		2.7	2689.9	HCH	SISO	1	-22.01	Refer To Test Graph	Pass
One	GMSK	-0.3	2689.9	HCH	SISO	1	-24.85	Refer To Test Graph	Pass
		2.7	2689.9	HCH	SISO	1	-22.24	Refer To Test Graph	Pass

For 5G NR N41

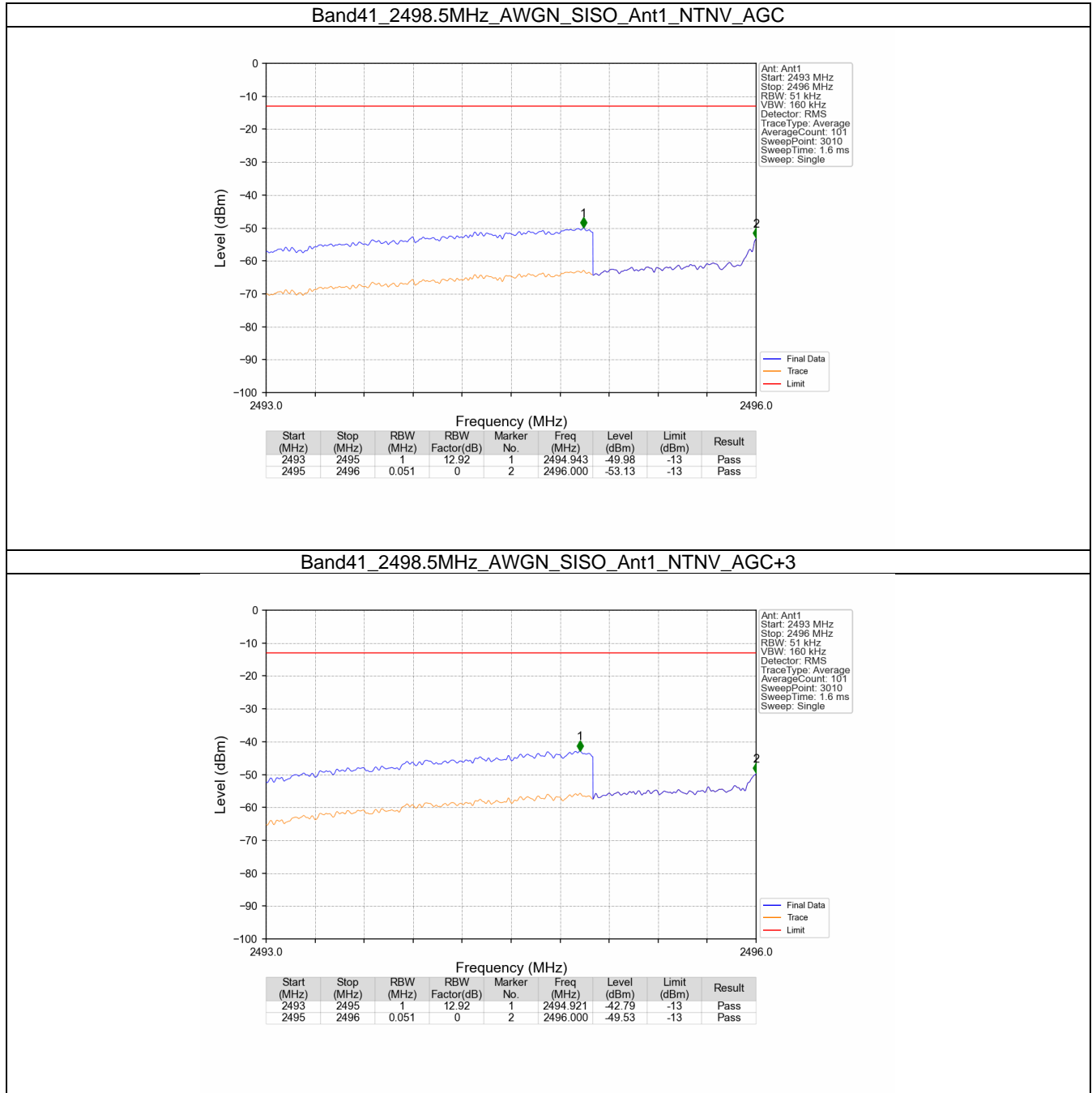
N41 / NTNV									
Signal				Channel	TX Type	ANT	OOB (dBm)		Verdict
Input	Type	Level (dBm)	Frequency (MHz)				Result	Limit	
Two	AWGN	-0.3	2546	LCH	SISO	1	-33.580	Refer To Test Graph	Pass
		2.7	2546	LCH	SISO	1	-33.623	Refer To Test Graph	Pass
One	AWGN	-0.3	2546	LCH	SISO	1	-33.905	Refer To Test Graph	Pass
		2.7	2546	LCH	SISO	1	-33.727	Refer To Test Graph	Pass
Two	AWGN	-0.3	2640	HCH	SISO	1	-33.416	Refer To Test Graph	Pass
		2.7	2640	HCH	SISO	1	-33.511	Refer To Test Graph	Pass
One	AWGN	-0.3	2640	HCH	SISO	1	-33.462	Refer To Test Graph	Pass
		2.7	2640	HCH	SISO	1	-33.548	Refer To Test Graph	Pass



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5.1.2 Test Graph

For LTE Band 41



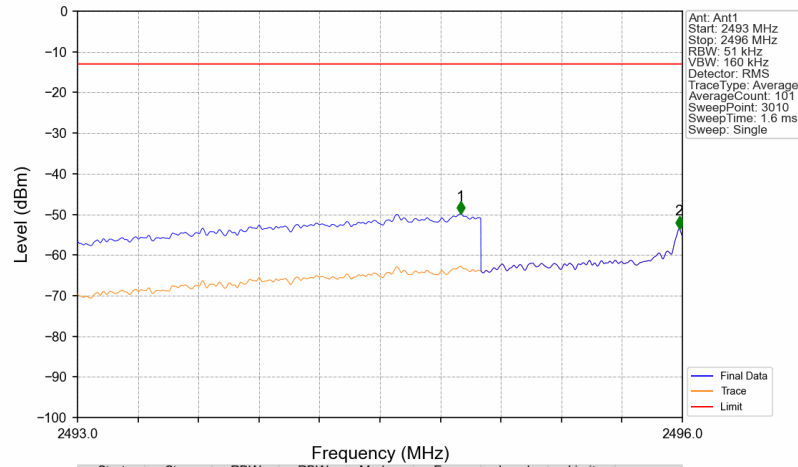
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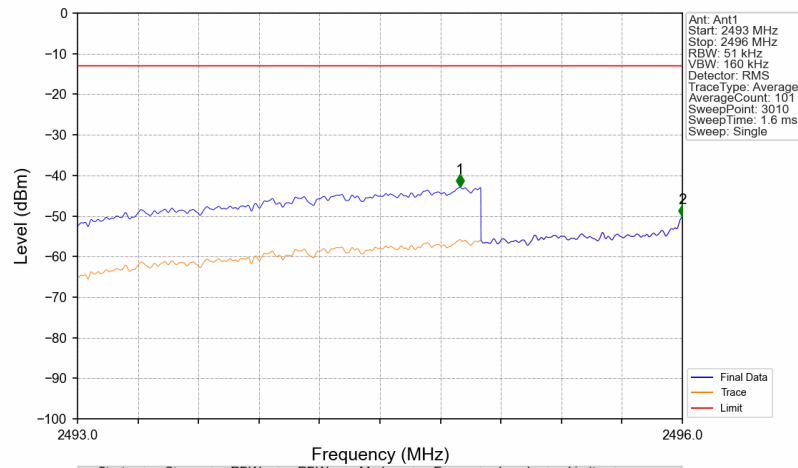
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Band41_2498.5MHz_AWGN_SISO_Ant1_NTNV_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2493	2495	1	12.92	1	2494.899	-49.88	-13	Pass
2495	2496	0.051	0	2	2495.984	-53.54	-13	Pass

Band41_2498.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2493	2495	1	12.92	1	2494.896	-42.93	-13	Pass
2495	2496	0.051	0	2	2496.000	-50.27	-13	Pass



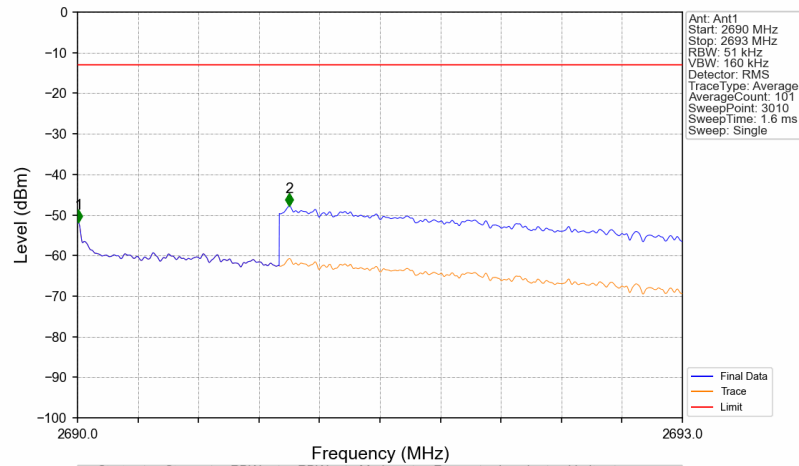
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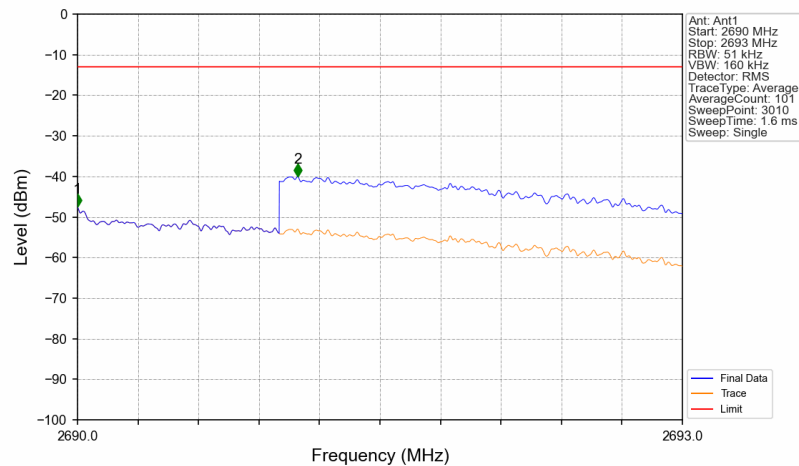
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Band41_2687.5MHz_AWGN_SISO_Ant1_NTNV_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2690	2691	0.051	0	1	2690.004	-51.90	-13	Pass
2691	2693	1	12.92	2	2691.051	-47.83	-13	Pass

Band41_2687.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2690	2691	0.051	0	1	2690.000	-47.49	-13	Pass
2691	2693	1	12.92	2	2691.092	-40.08	-13	Pass



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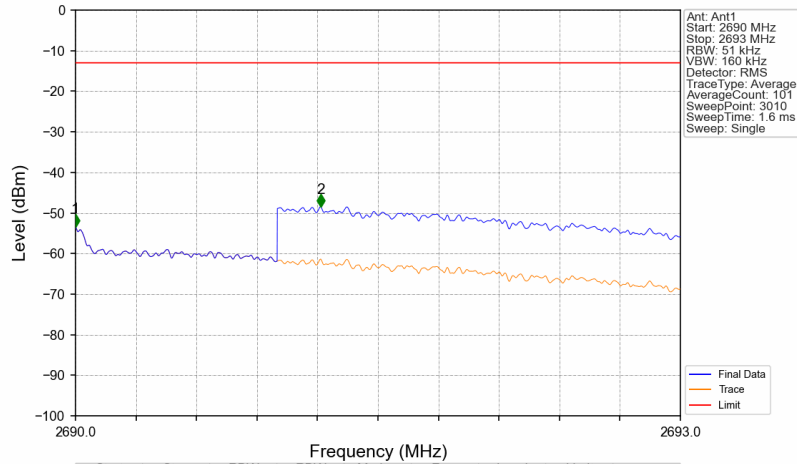
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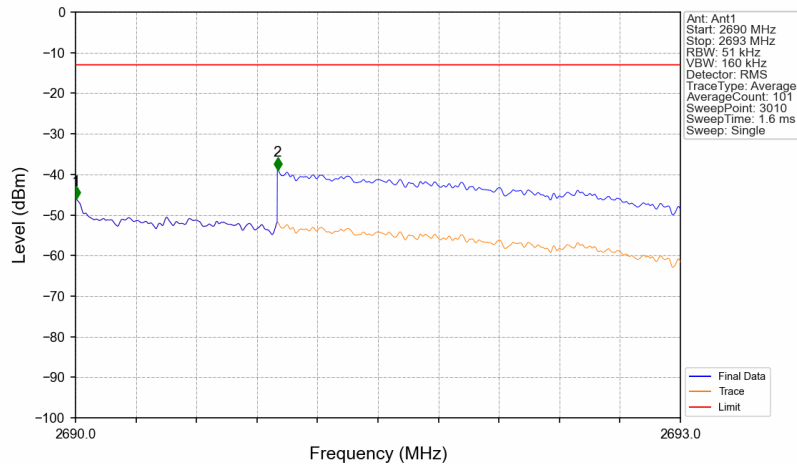
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Band41_2687.5MHz_AWGN_SISO_Ant1_NTNV_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2690	2691	0.051	0	1	2690.000	-53.35	-13	Pass
2691	2693	1	12.92	2	2691.215	-48.47	-13	Pass

Band41_2687.5MHz_AWGN_SISO_Ant1_NTNV_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2690	2691	0.051	0	1	2690.002	-46.11	-13	Pass
2691	2693	1	12.92	2	2691.002	-38.90	-13	Pass



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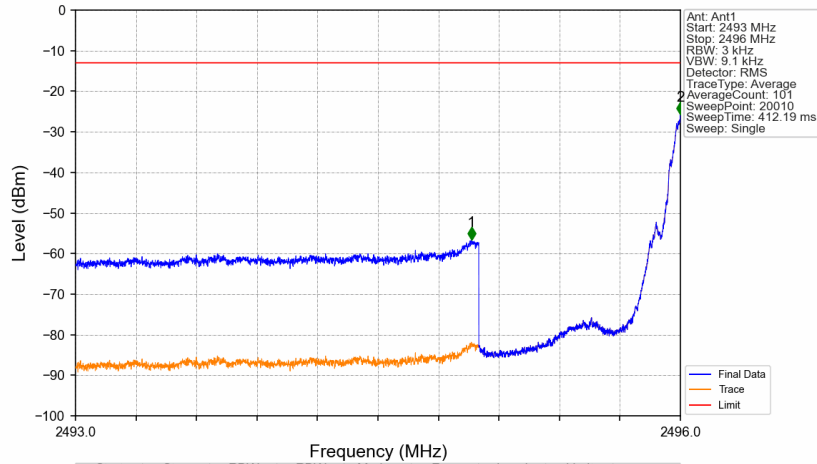
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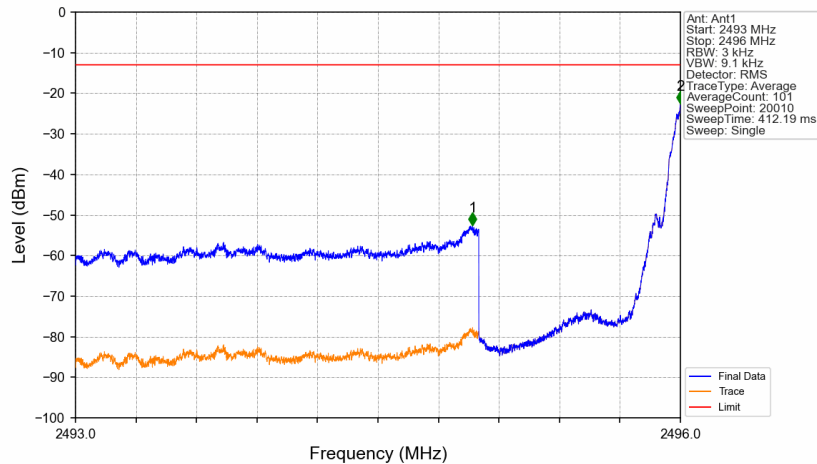
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Band41_2496.1MHz_GMSK_SISO_Ant1_NTNV_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2493	2495	1	25.23	1	2494.964	-56.59	-13	Pass
2495	2496	0.003	0	2	2495.999	-25.79	-13	Pass

Band41_2496.1MHz_GMSK_SISO_Ant1_NTNV_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2493	2495	1	25.23	1	2494.969	-52.52	-13	Pass
2495	2496	0.003	0	2	2496.000	-22.64	-13	Pass



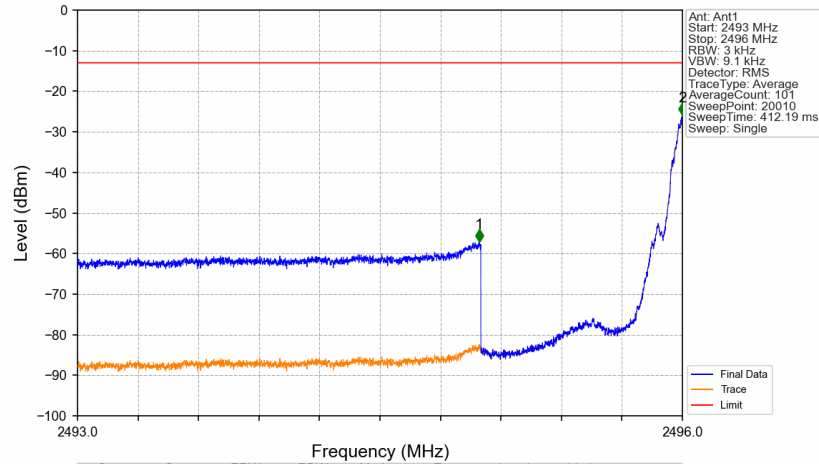
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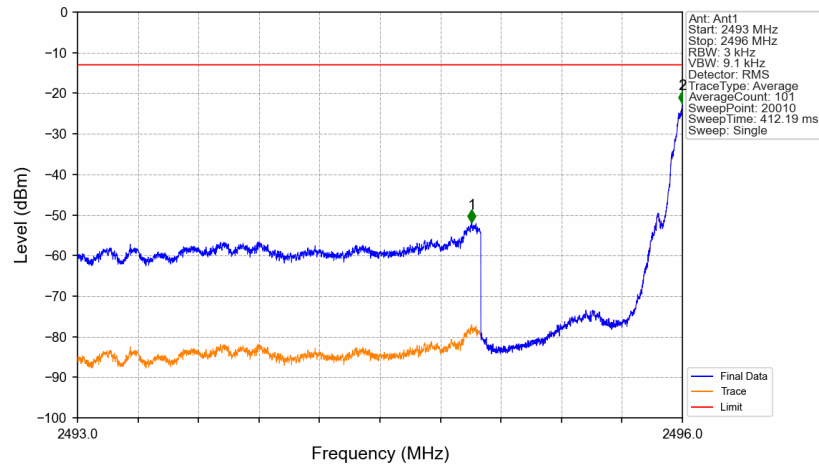
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Band41_2496.1MHz_GMSK_SISO_Ant1_NTNV_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2493	2495	1	25.23	1	2494.993	-57.12	-13	Pass
2495	2496	0.003	0	2	2495.999	-25.92	-13	Pass

Band41_2496.1MHz_GMSK_SISO_Ant1_NTNV_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2493	2495	1	25.23	1	2494.954	-51.82	-13	Pass
2495	2496	0.003	0	2	2495.999	-22.49	-13	Pass



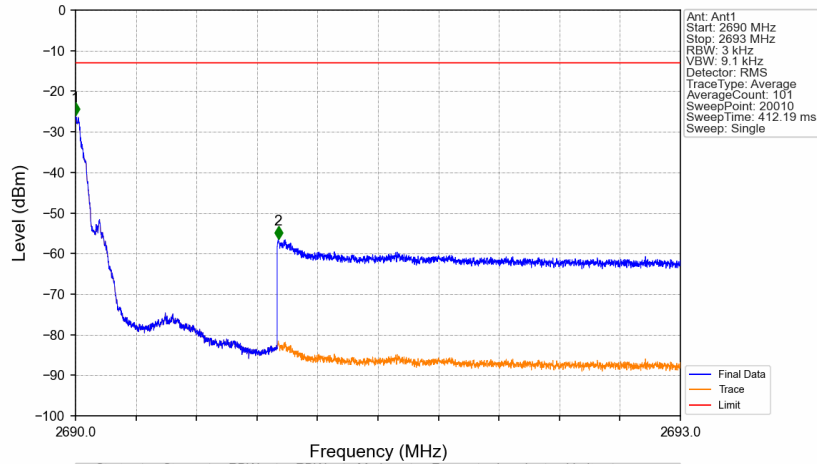
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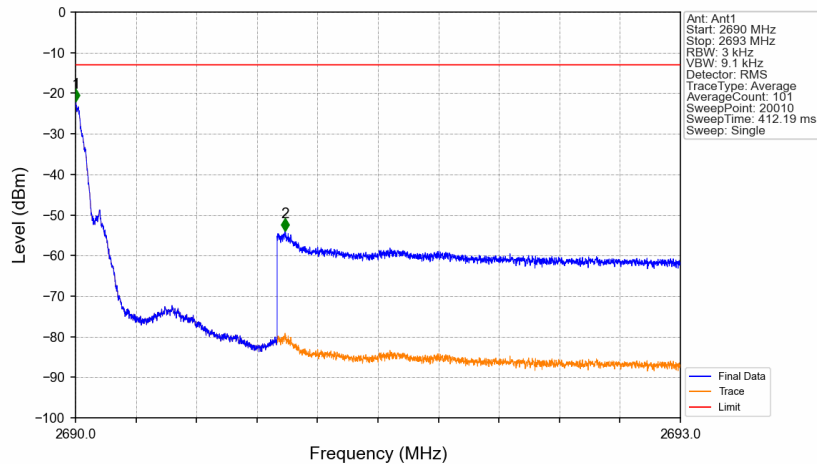
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Band41_2689.9MHz_GMSK_SISO_Ant1_NTNV_AGC



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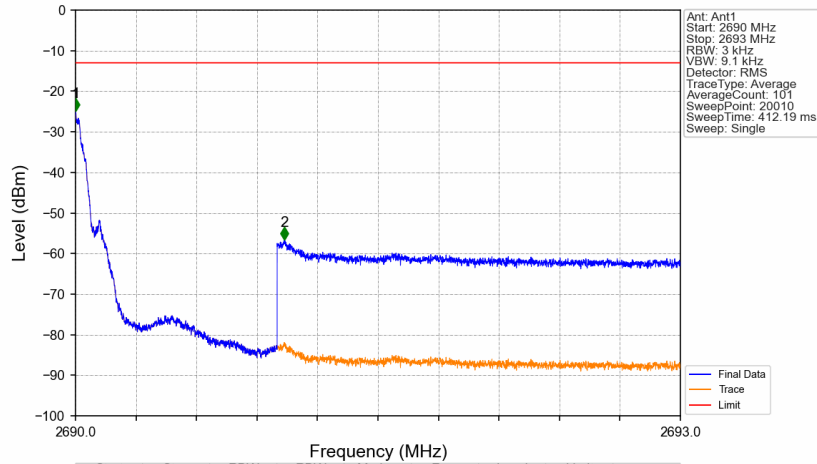
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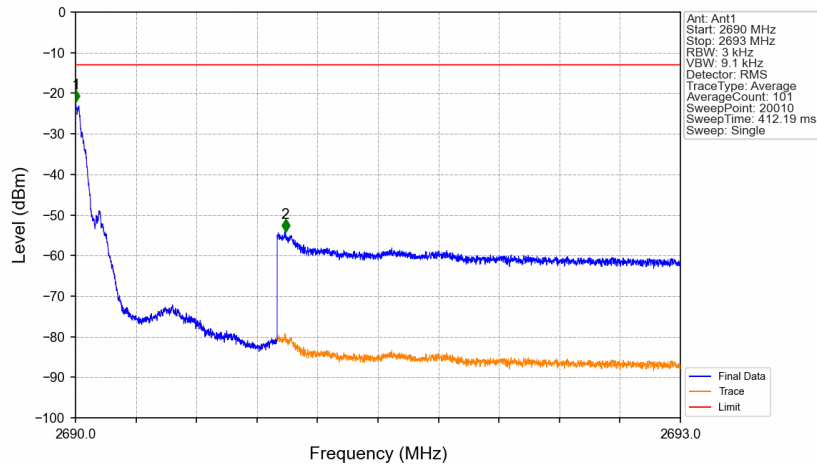
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Band41_2689.9MHz_GMSK_SISO_Ant1_NTNV_AGC



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2690	2691	0.003	0	1	2690.001	-24.85	-13	Pass
2691	2693	1	25.23	2	2691.035	-56.66	-13	Pass

Band41_2689.9MHz_GMSK_SISO_Ant1_NTNV_AGC+3



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2690	2691	0.003	0	1	2690.001	-22.24	-13	Pass
2691	2693	1	25.23	2	2691.041	-54.09	-13	Pass



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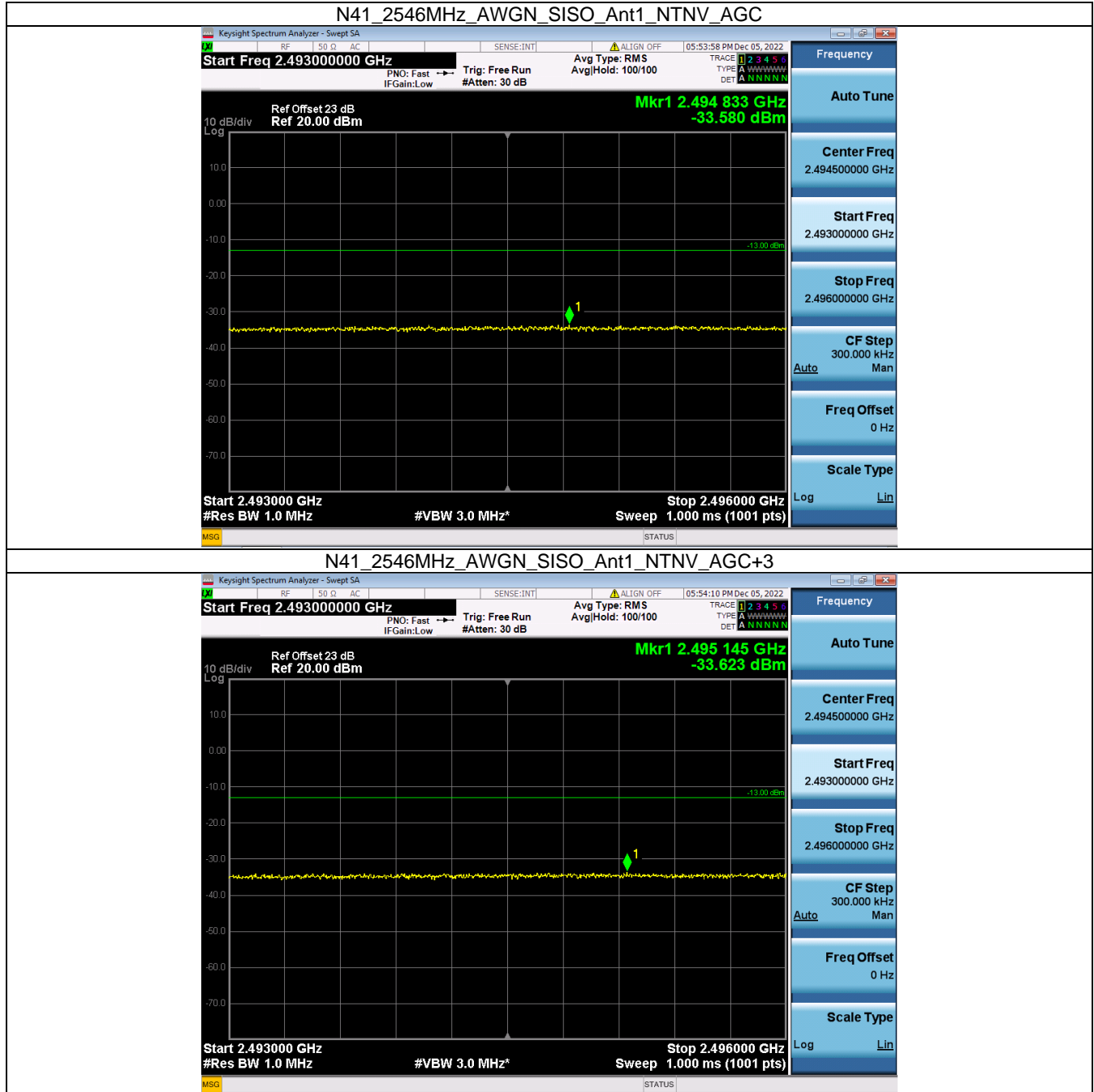
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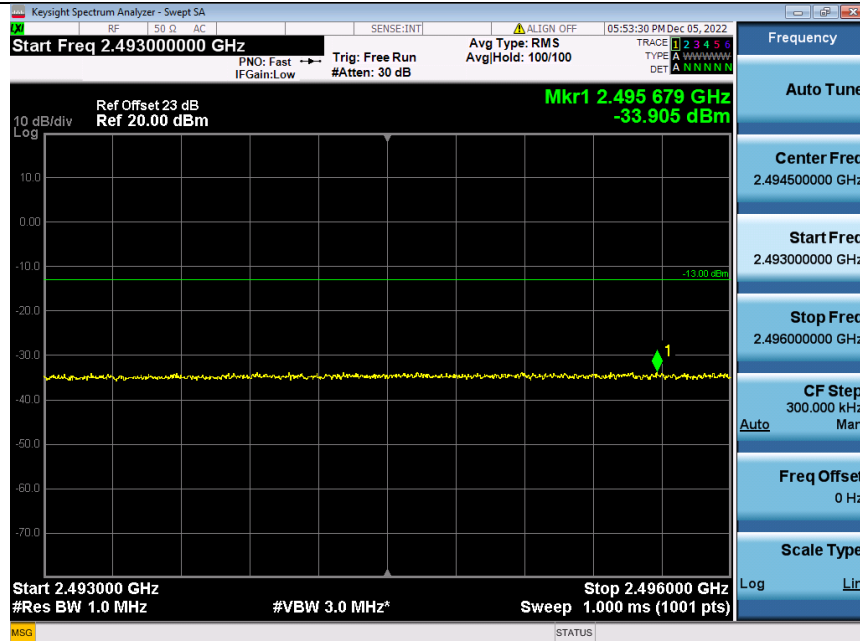
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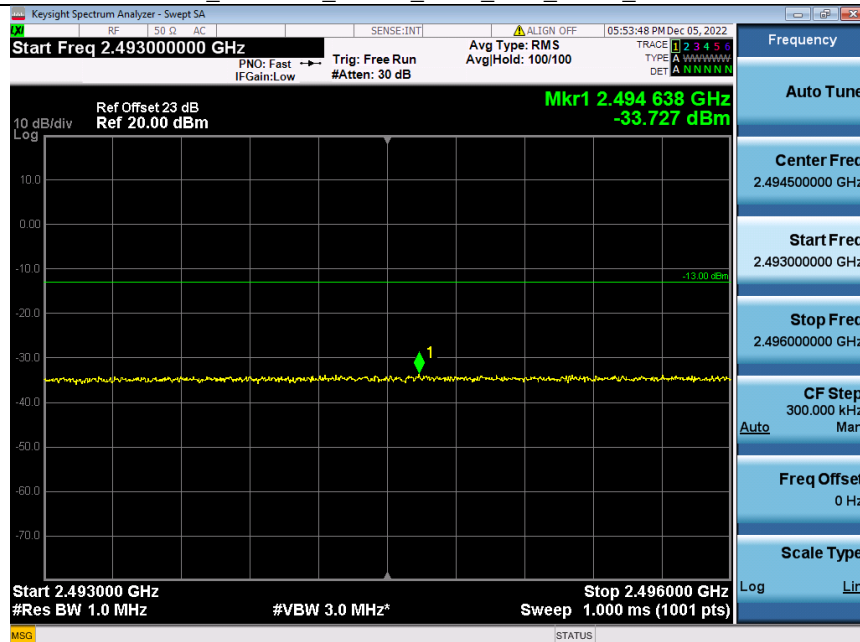
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N41_2546MHz_AWGN_SISO_Ant1_NTNV_AGC+3



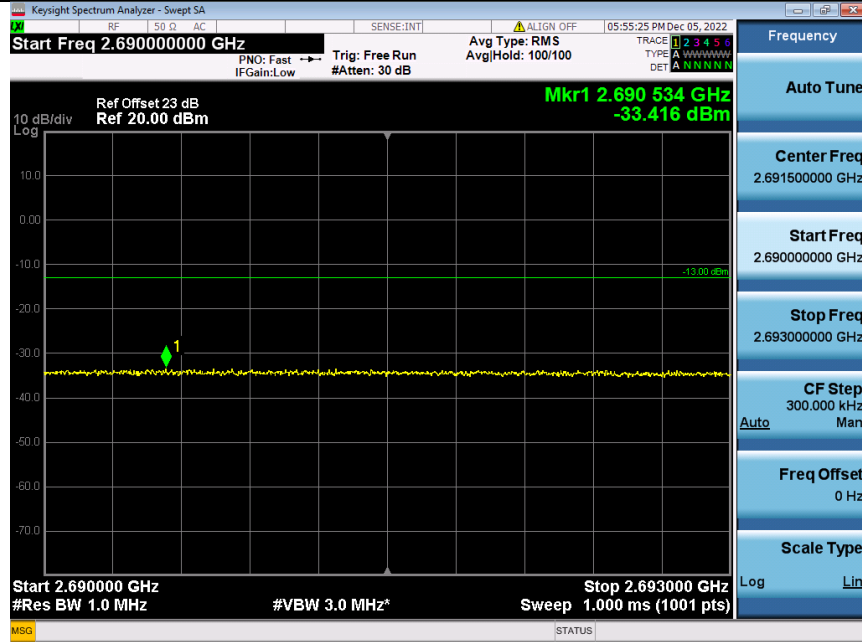
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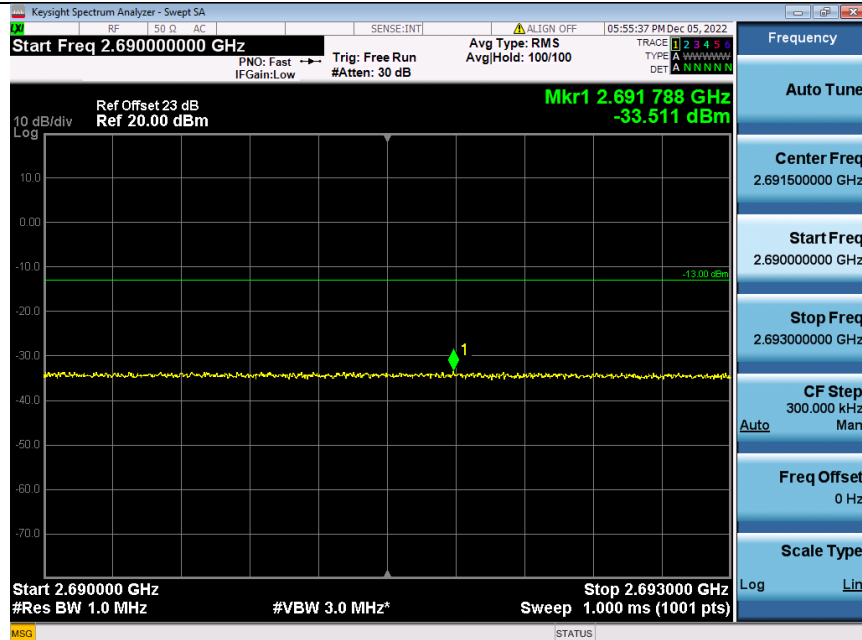
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N41_2640MHz_AWGN_SISO_Ant1_NTNV_AGC



N41_2640MHz_AWGN_SISO_Ant1_NTNV_AGC+3

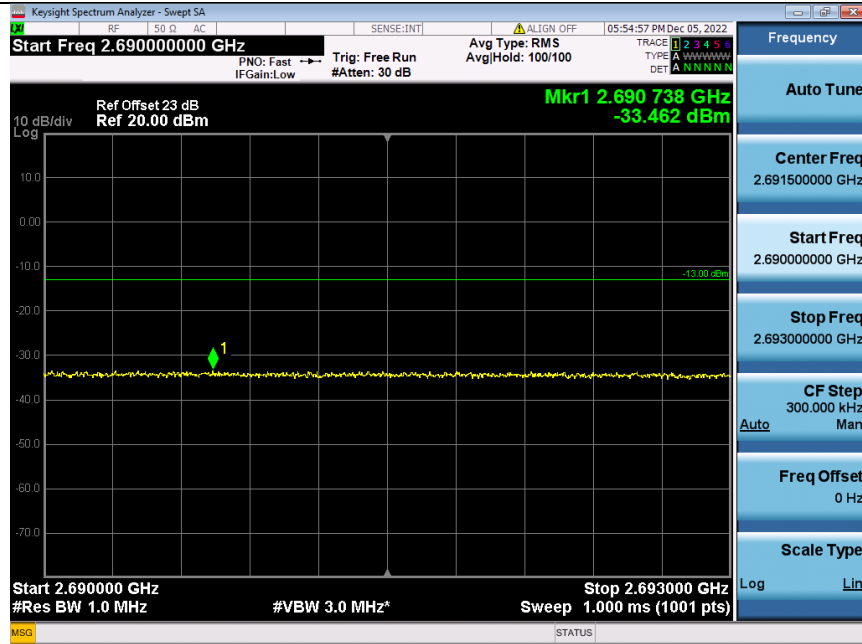


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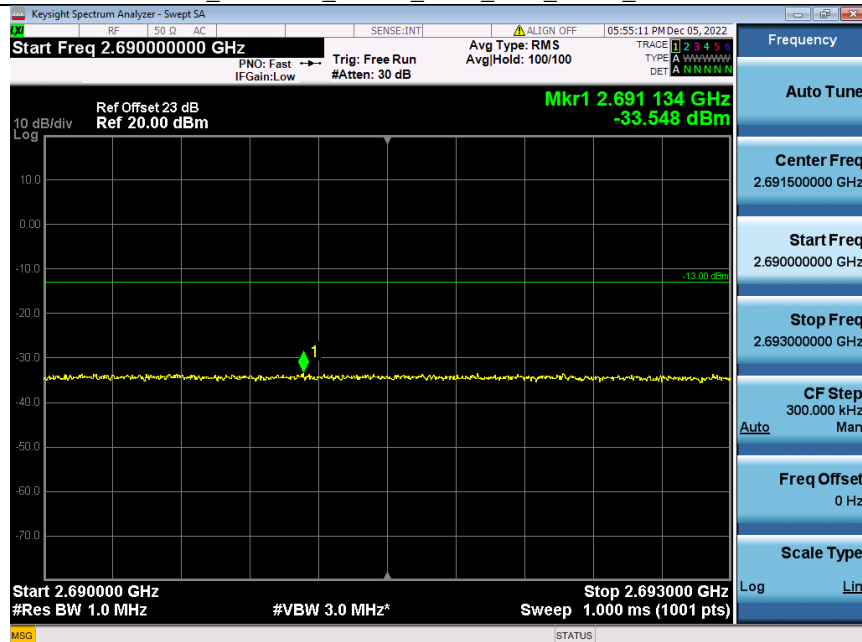
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6. Spurious emissions

6.1 Band41

6.1.1 Test Result

For LTE Band 41

Band: 41 / NTNV								
Signal			Channel	TX Type	ANT	SE (dBm)		Verdict
Type	Level (dBm)	Frequency (MHz)				Result	Limit	
AWGN	-0.3	2498.5	LCH	SISO	1	Refer To Test Graph		Pass
		2593	MCH	SISO	1	Refer To Test Graph		Pass
		2687.5	HCH	SISO	1	Refer To Test Graph		Pass
GMSK	-0.3	2496.1	LCH	SISO	1	Refer To Test Graph		Pass
		2593	MCH	SISO	1	Refer To Test Graph		Pass
		2689.9	HCH	SISO	1	Refer To Test Graph		Pass

For 5G NR N41

N41 / NTNV								
Signal			Channel	TX Type	ANT	SE (dBm)		Verdict
Type	Level (dBm)	Frequency (MHz)				Result	Limit	
AWGN	-0.3	2546	LCH	SISO	1	Refer To Test Graph		Pass
		2593	MCH	SISO	1	Refer To Test Graph		Pass
		2640	HCH	SISO	1	Refer To Test Graph		Pass

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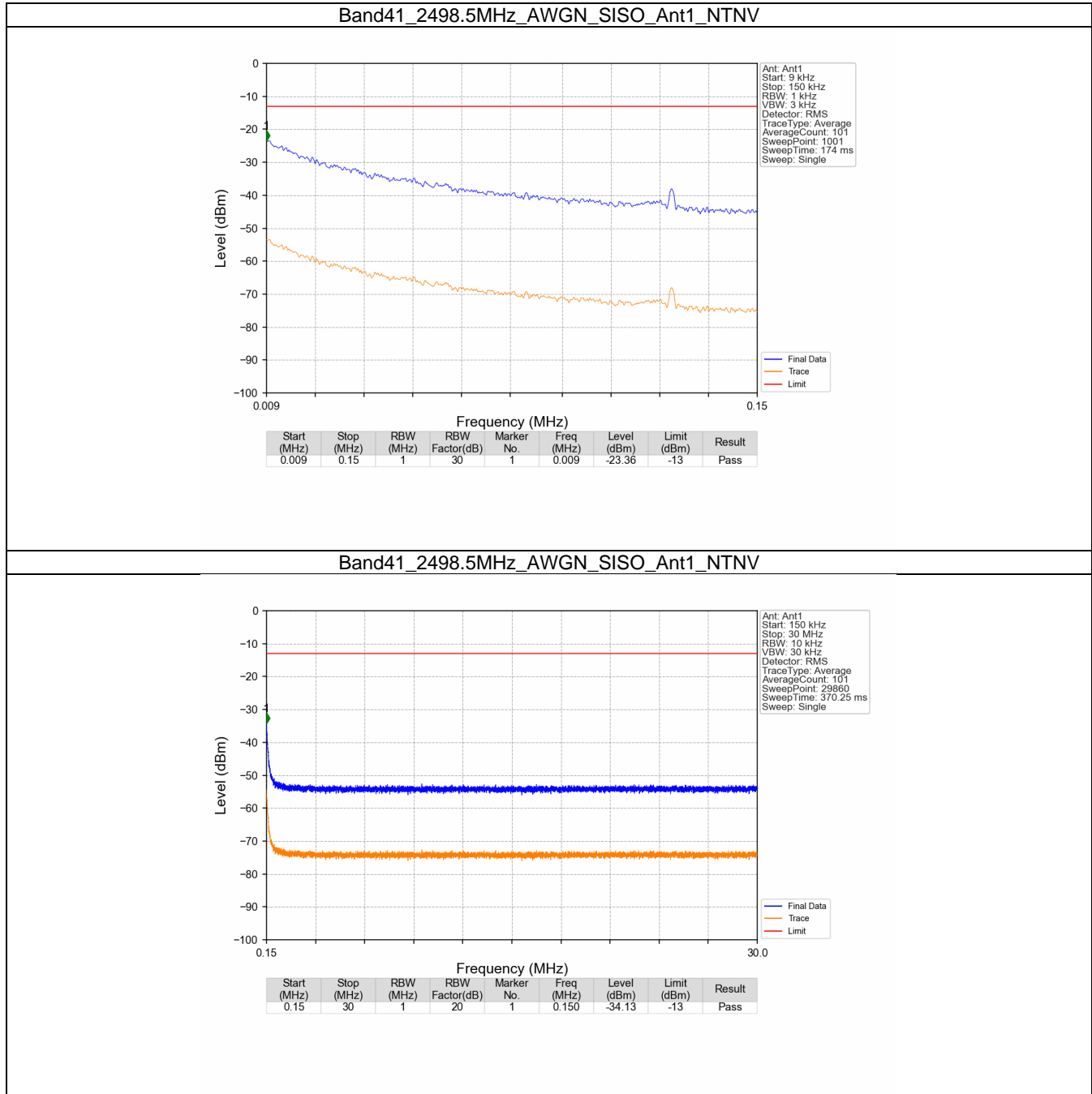
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6.1.2 Test Graph

For LTE Band 41



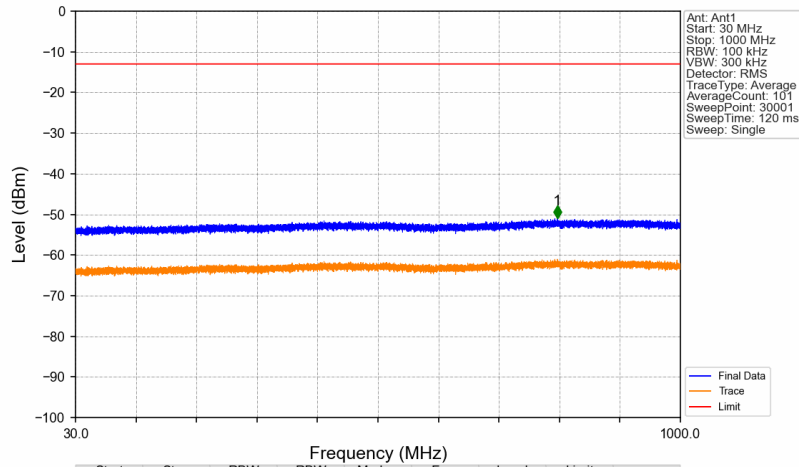
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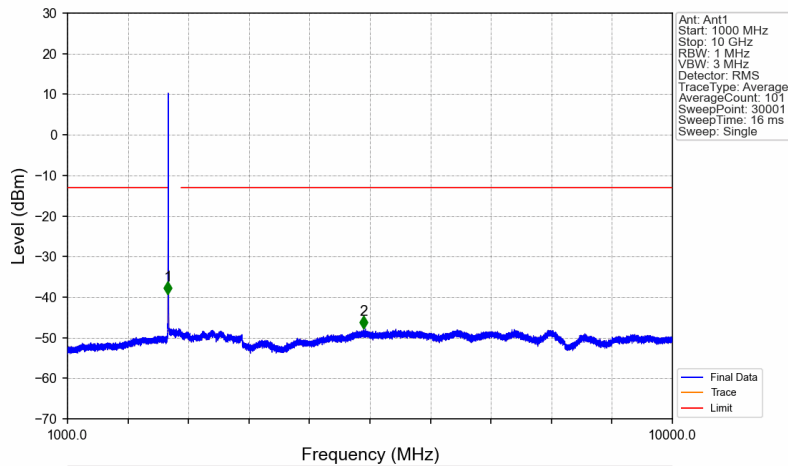
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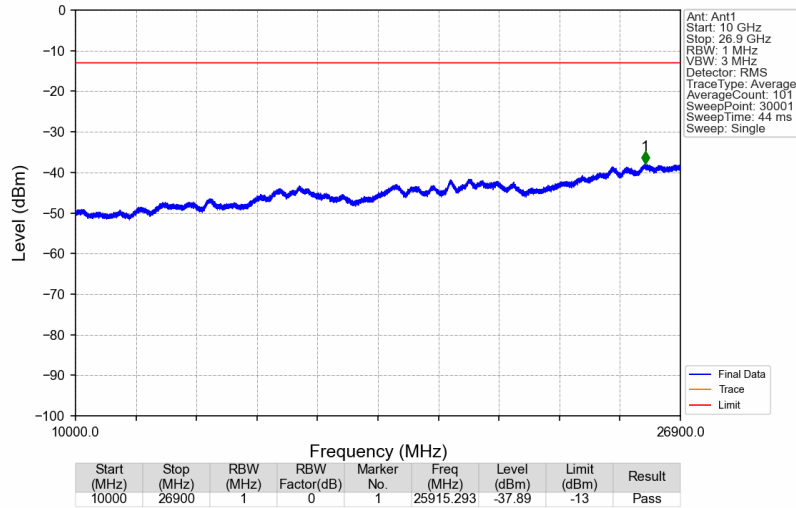
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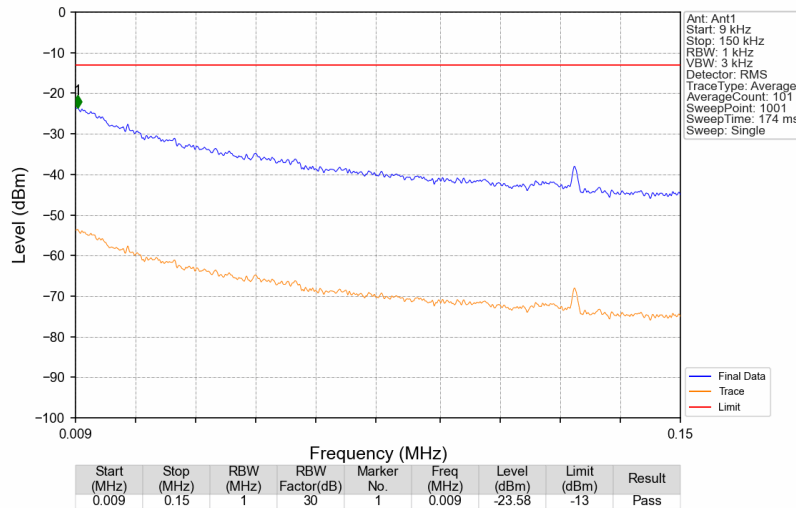
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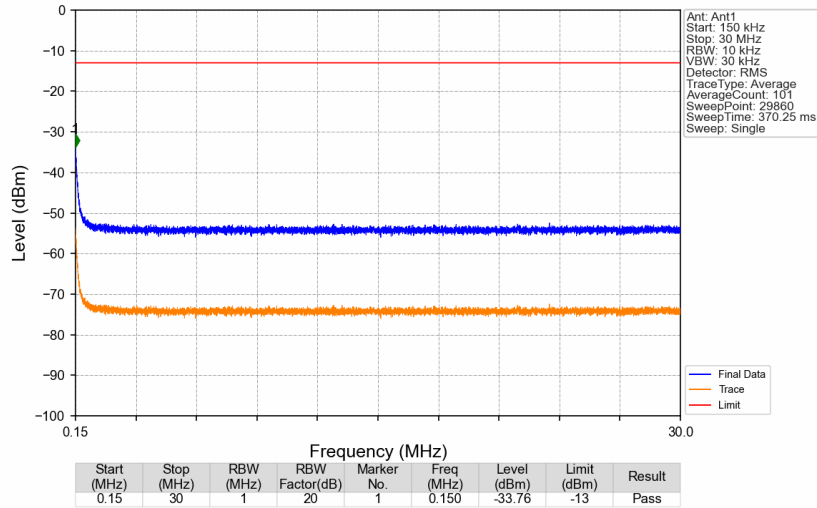
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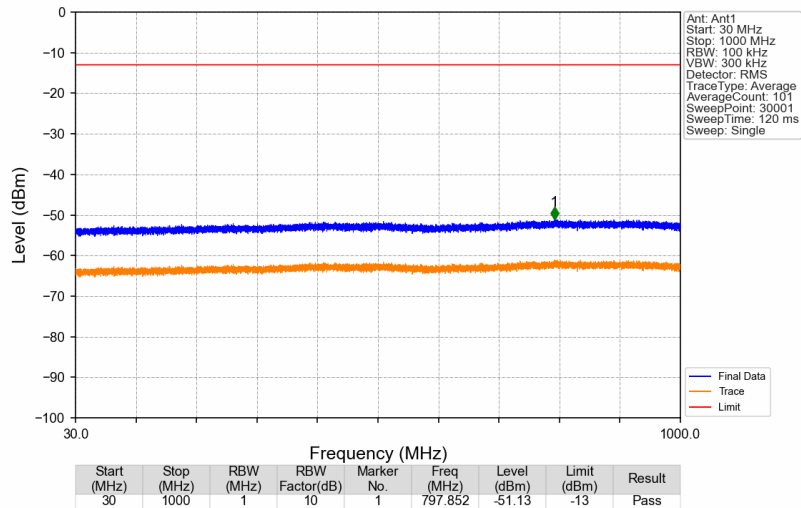
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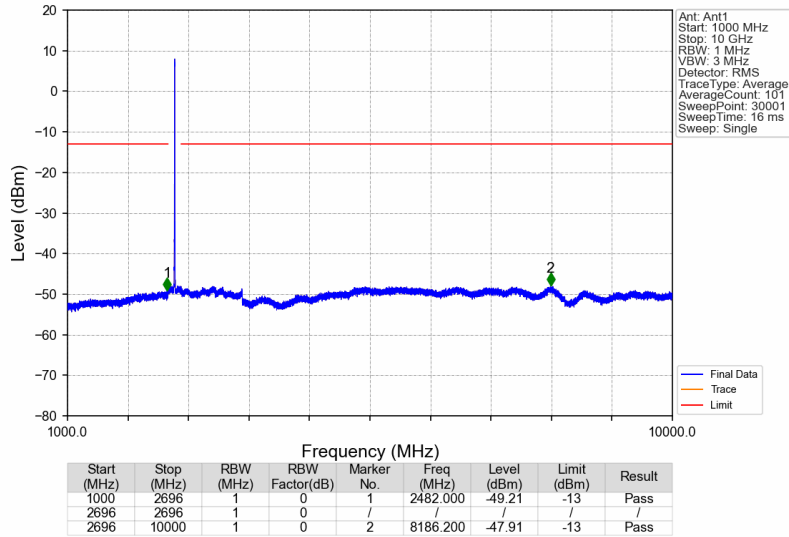
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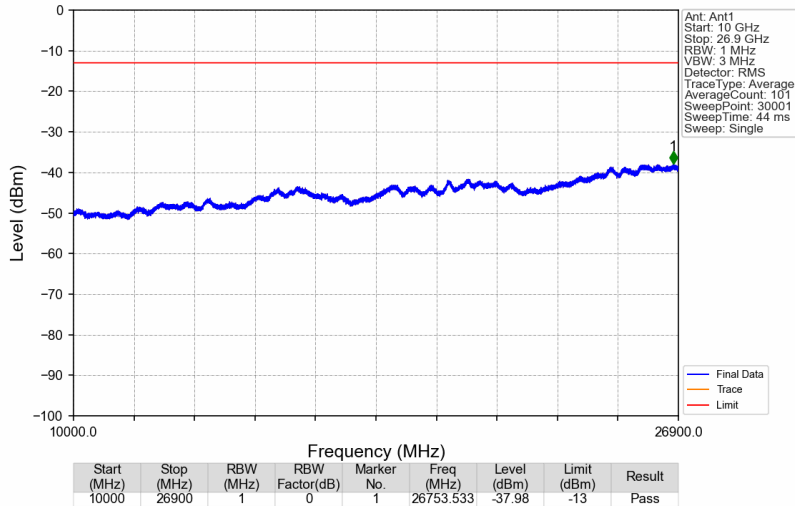
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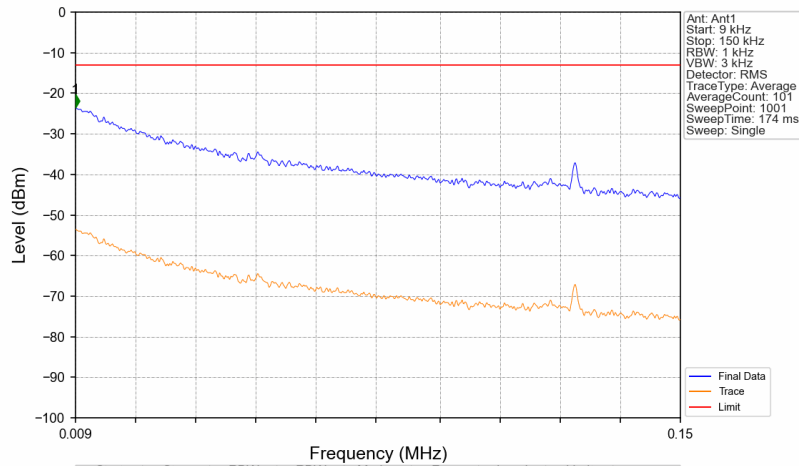
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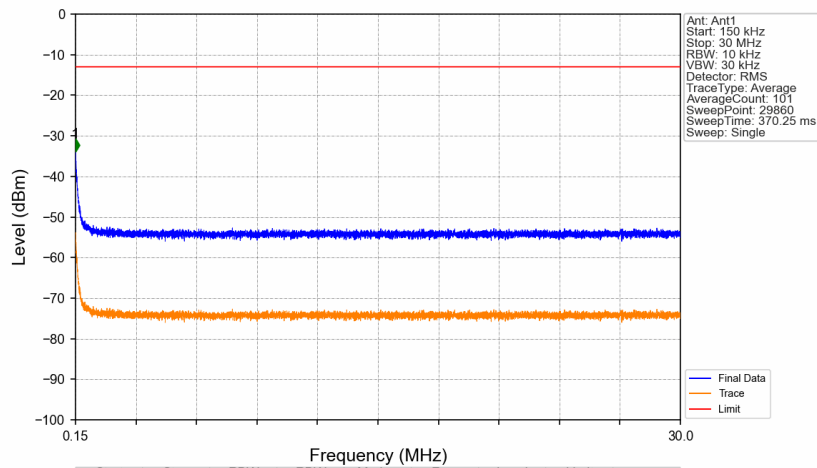
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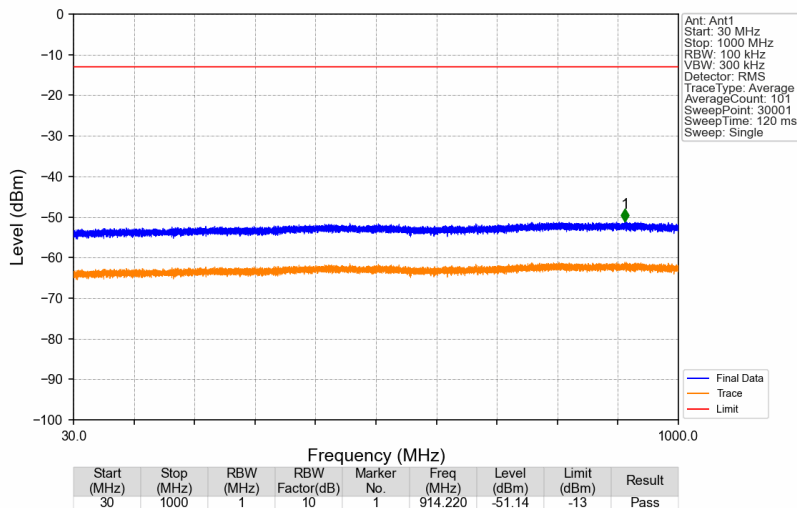
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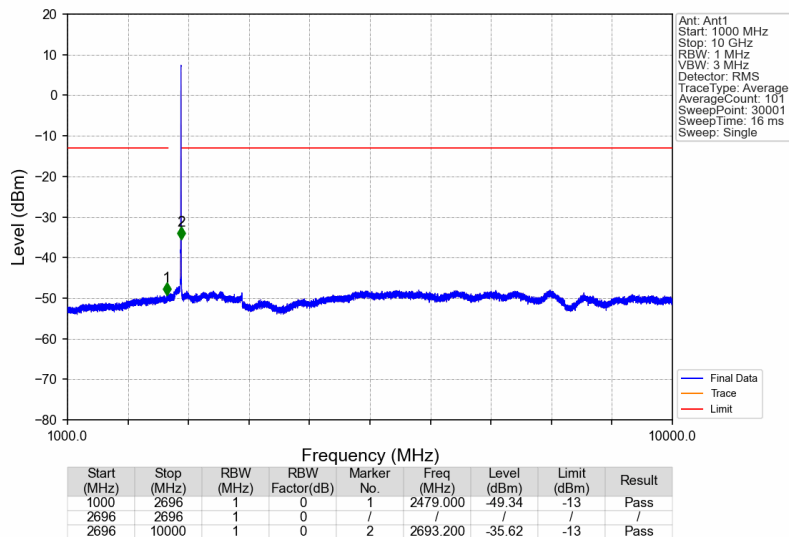
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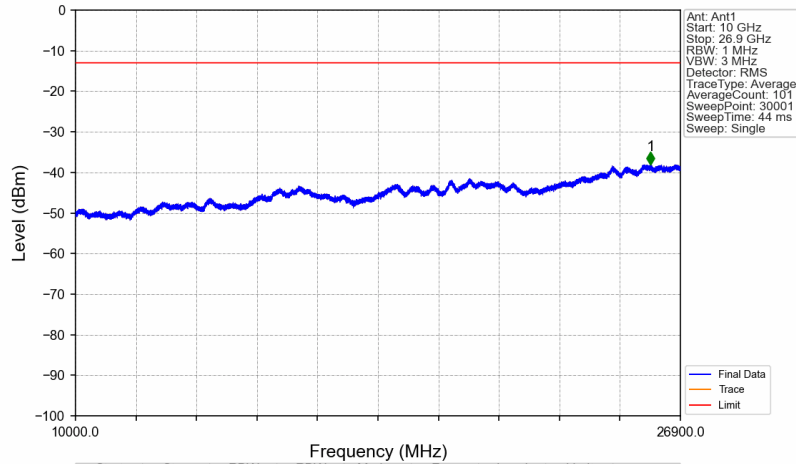
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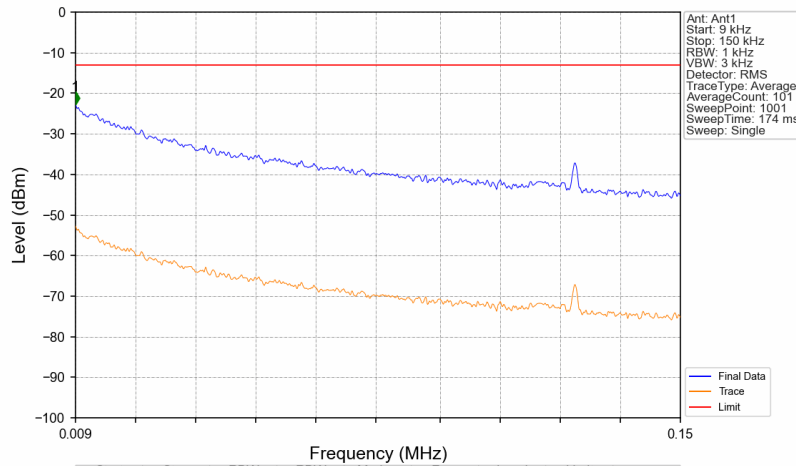
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Band41_2496.1MHz_GMSK_SISO_Ant1_NTNV



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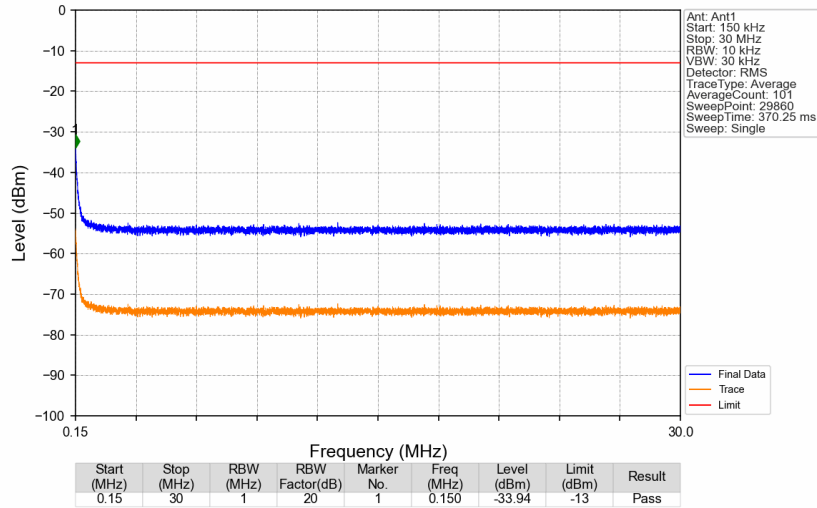
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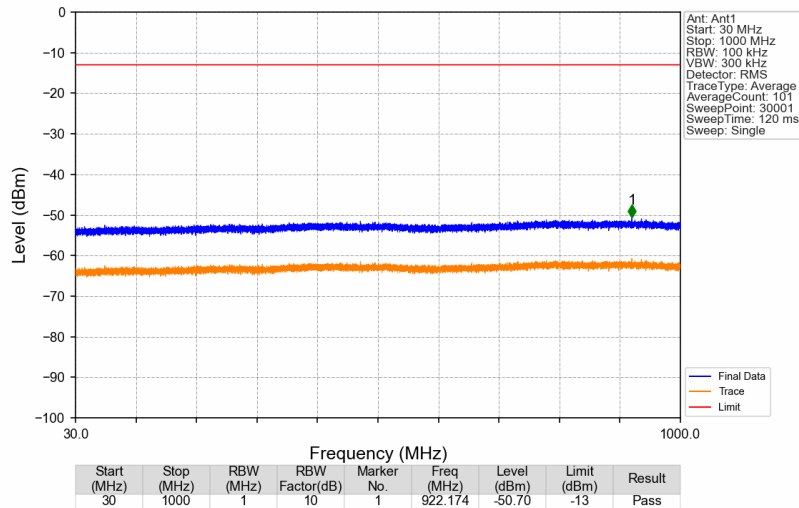
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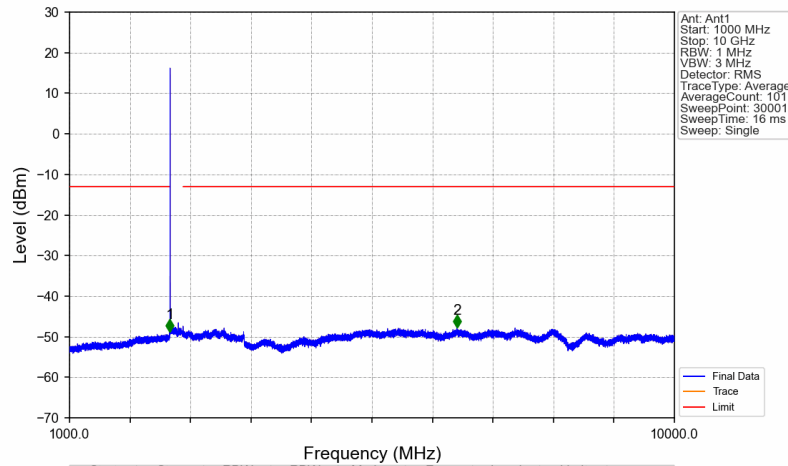
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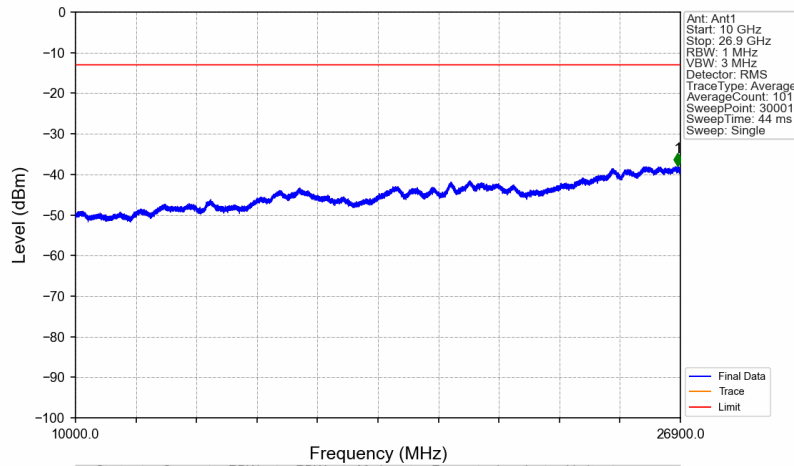
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Band41_2496.1MHz_GMSK_SISO_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2696	1	0	1	2491.300	-48.78	-13	Pass
2696	2696	1	0	/	/	/	/	/
2696	10000	1	0	2	6763.300	-47.84	-13	Pass

Band41_2496.1MHz_GMSK_SISO_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor (dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	26900	1	0	1	26827.893	-37.93	-13	Pass



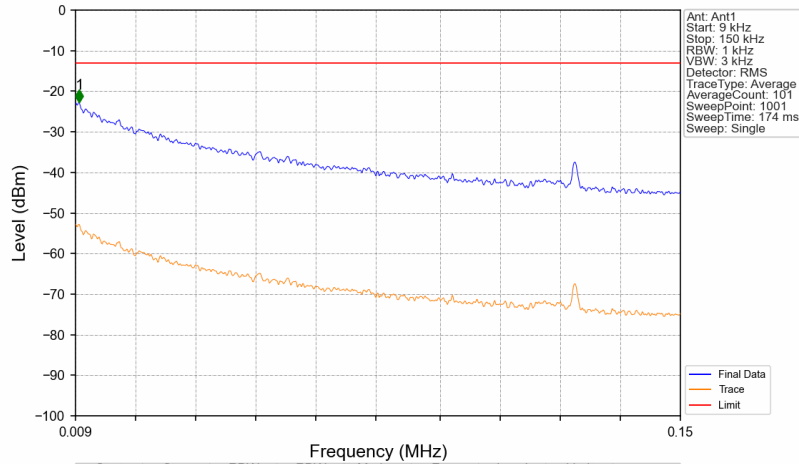
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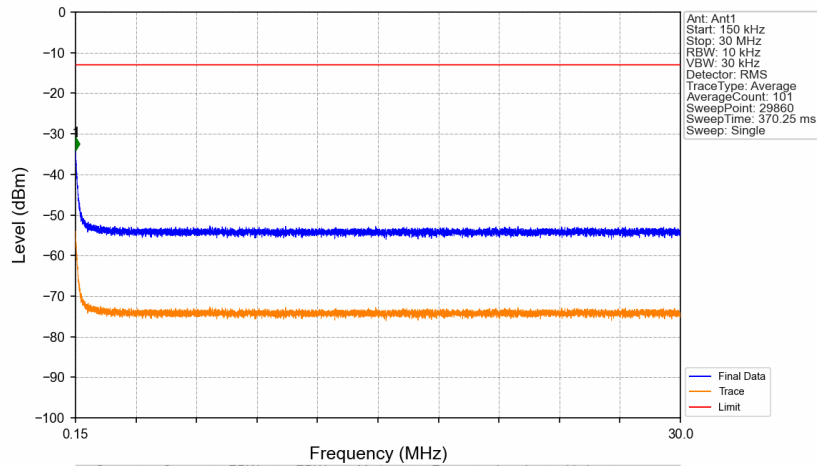
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Band41_2593MHz_GMSK_SISO_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.009	0.15	1	30	1	0.010	-22.80	-13	Pass

Band41_2593MHz_GMSK_SISO_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
0.15	30	1	20	1	0.153	-34.02	-13	Pass



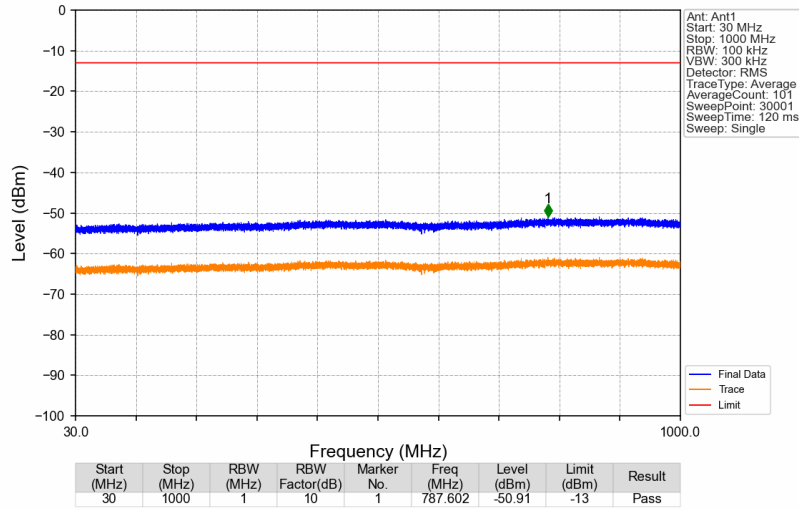
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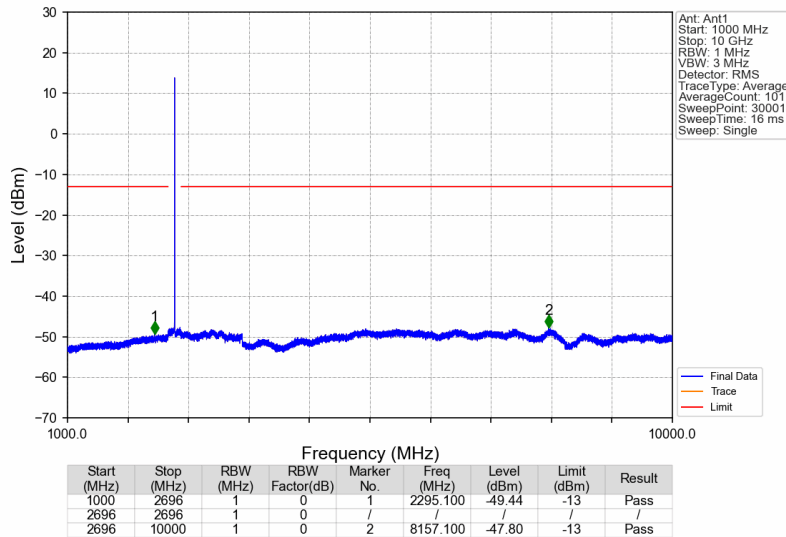
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Band41_2593MHz_GMSK_SISO_Ant1_NTNV



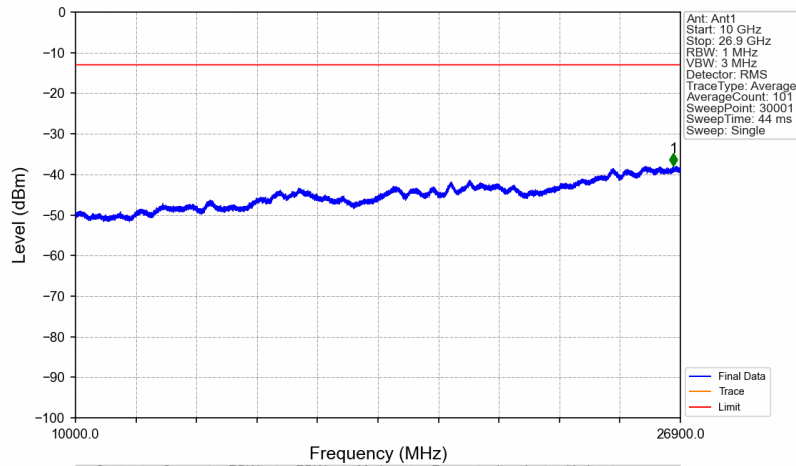
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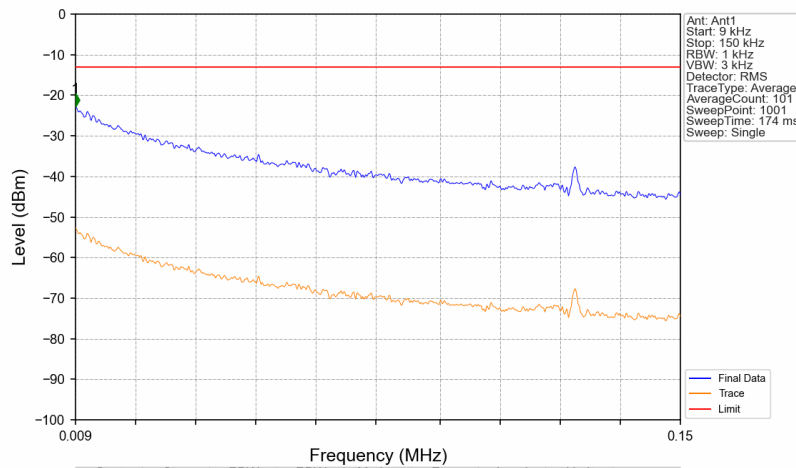
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Band41_2689.9MHz_GMSK_SISO_Ant1_NTNV



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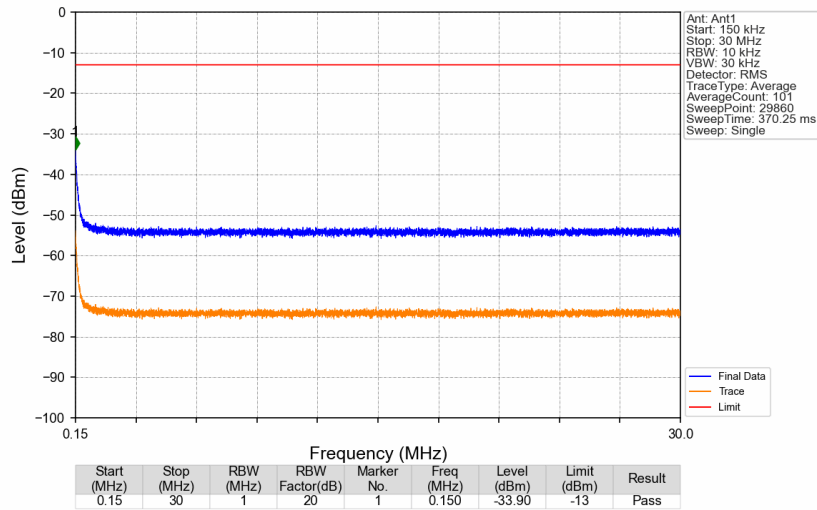
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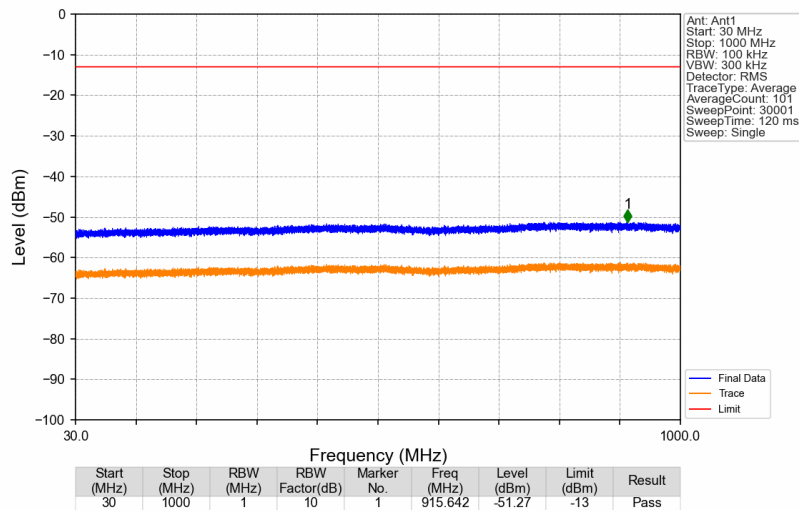
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Band41_2689.9MHz_GMSK_SISO_Ant1_NTNV



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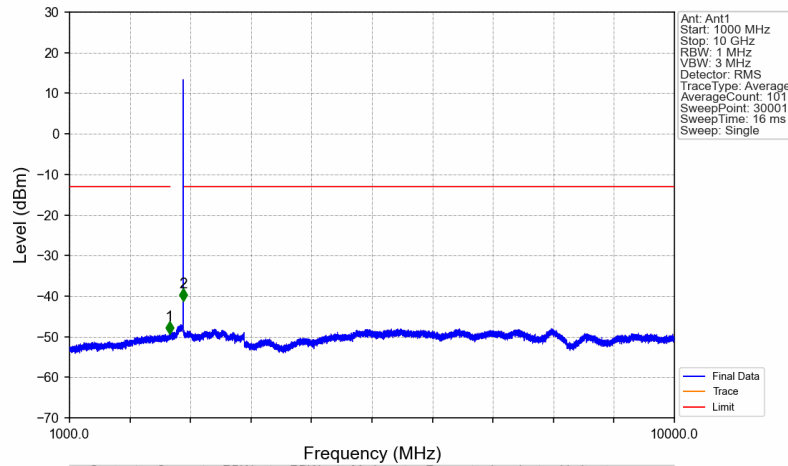


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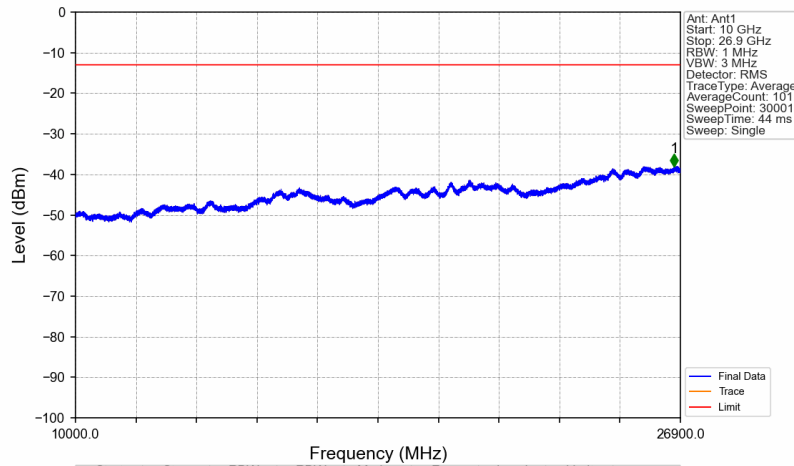
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Band41_2689.9MHz_GMSK_SISO_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1000	2696	1	0	1	2485.300	-49.33	-13	Pass
2696	2696	1	0	1	/	/	/	/
2696	10000	1	0	2	2693.200	-41.26	-13	Pass

Band41_2689.9MHz_GMSK_SISO_Ant1_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
10000	26900	1	0	1	26724.803	-38.01	-13	Pass



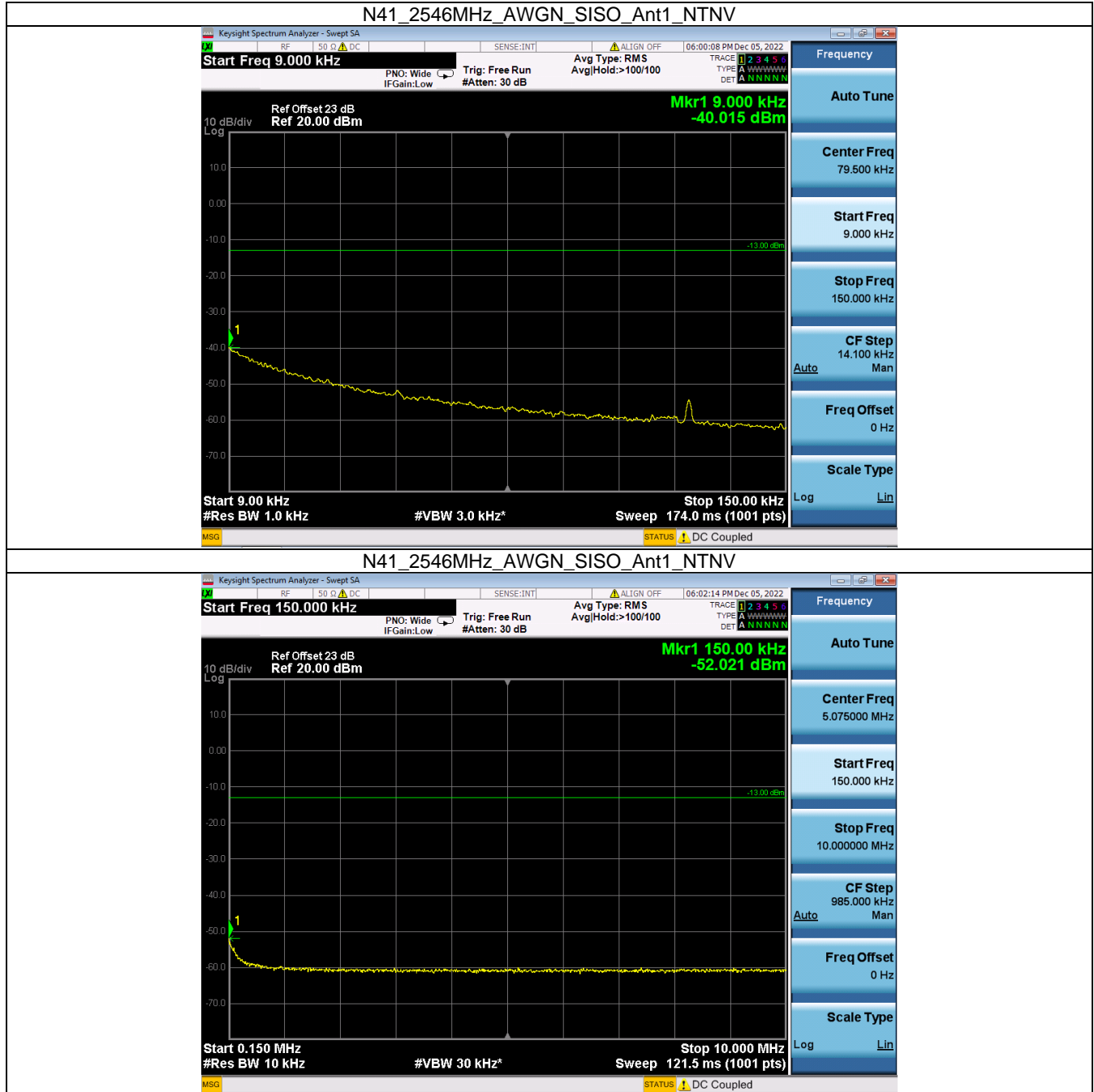
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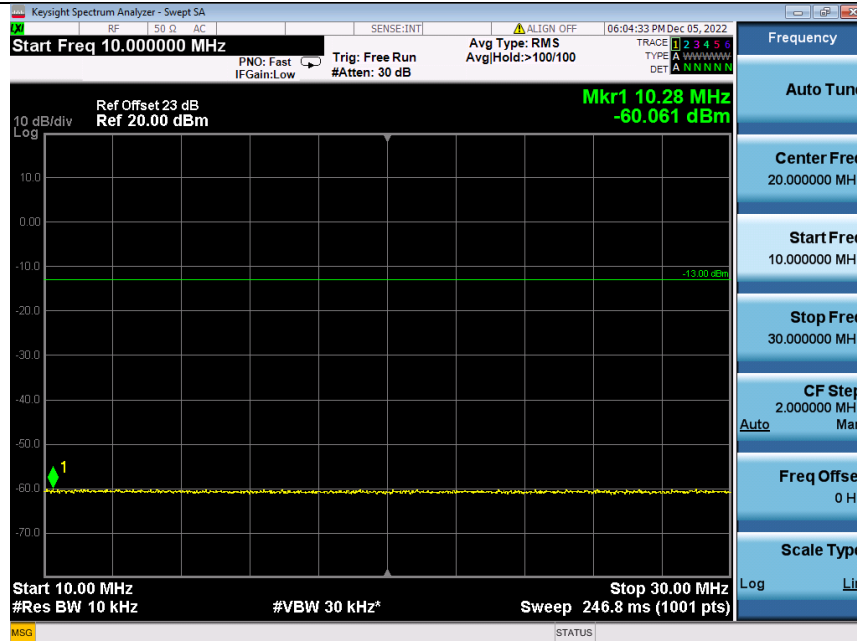
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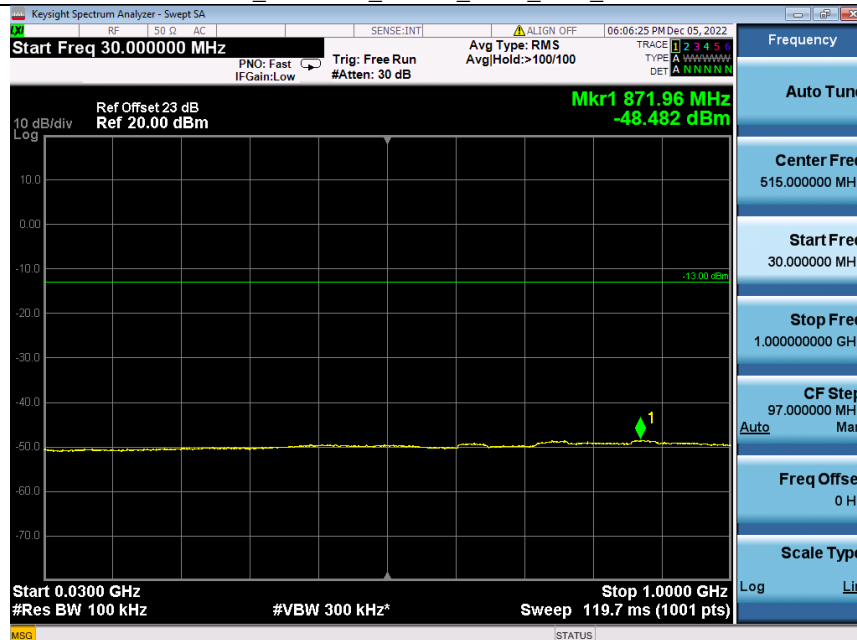
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N41_2546MHz_AWGN_SISO_Ant1_NTNV



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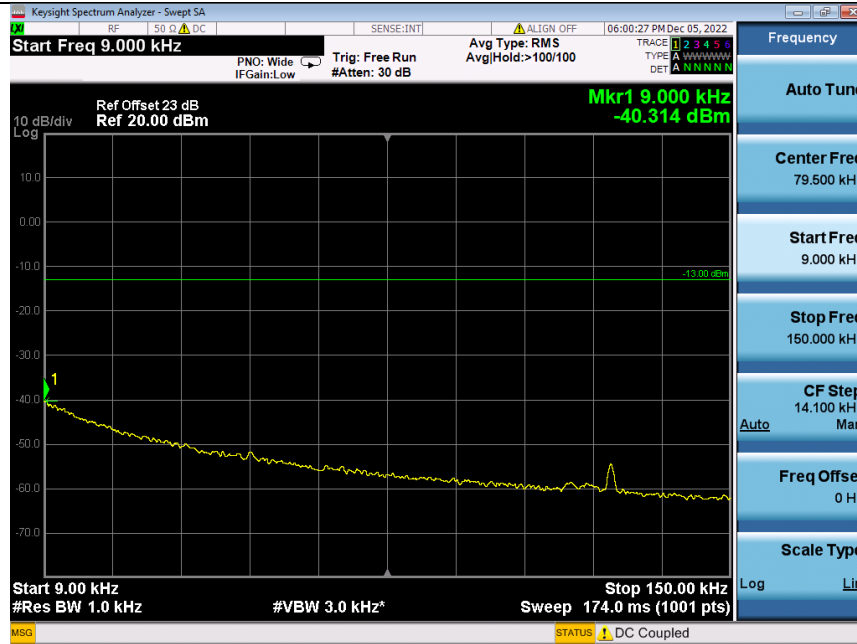
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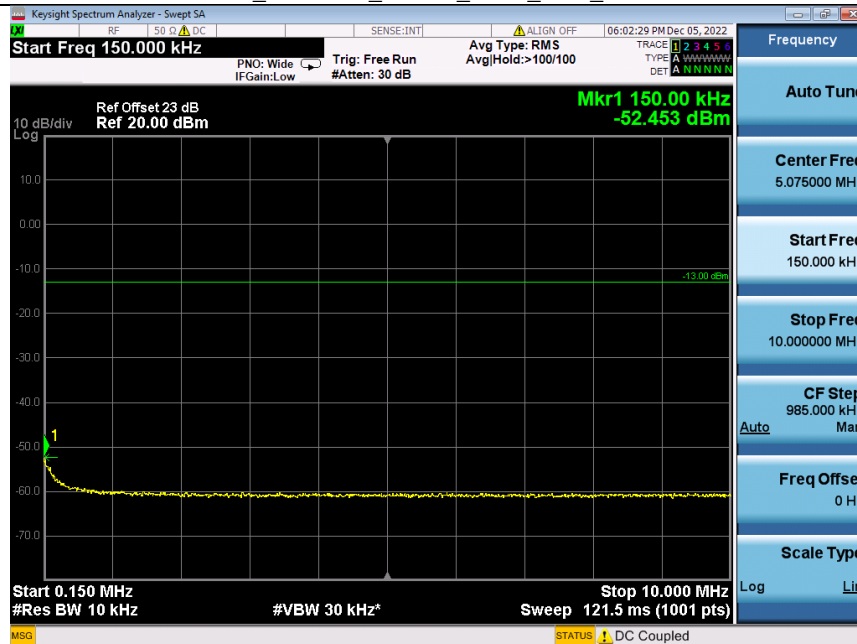
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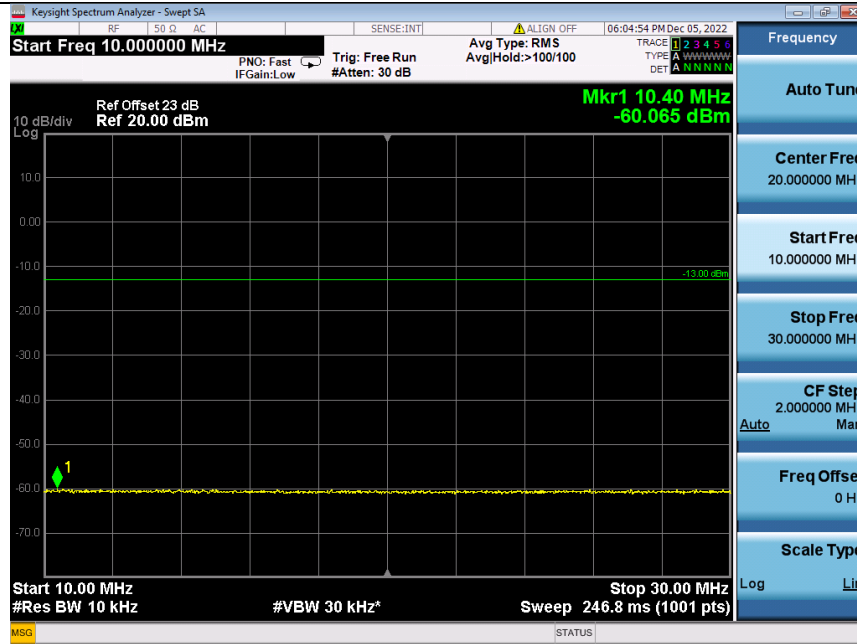
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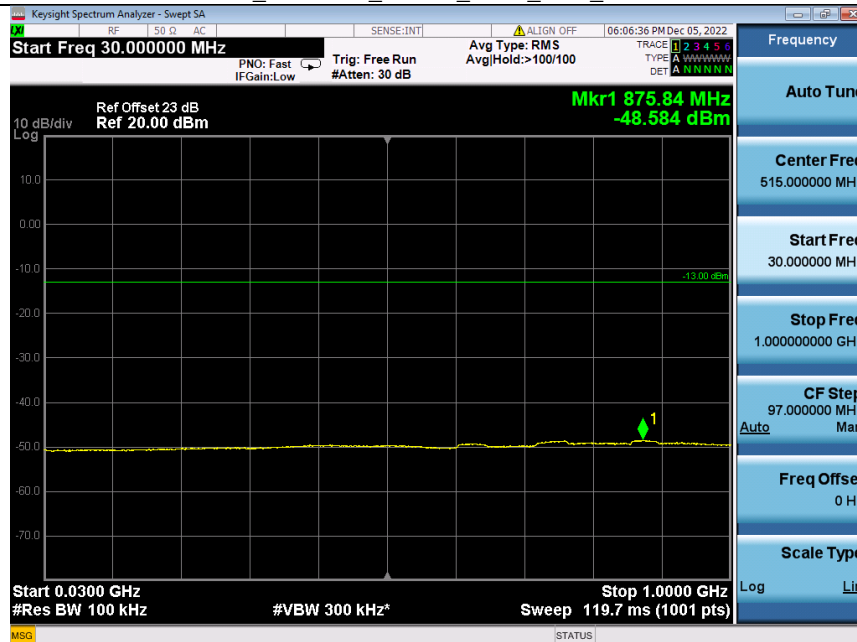
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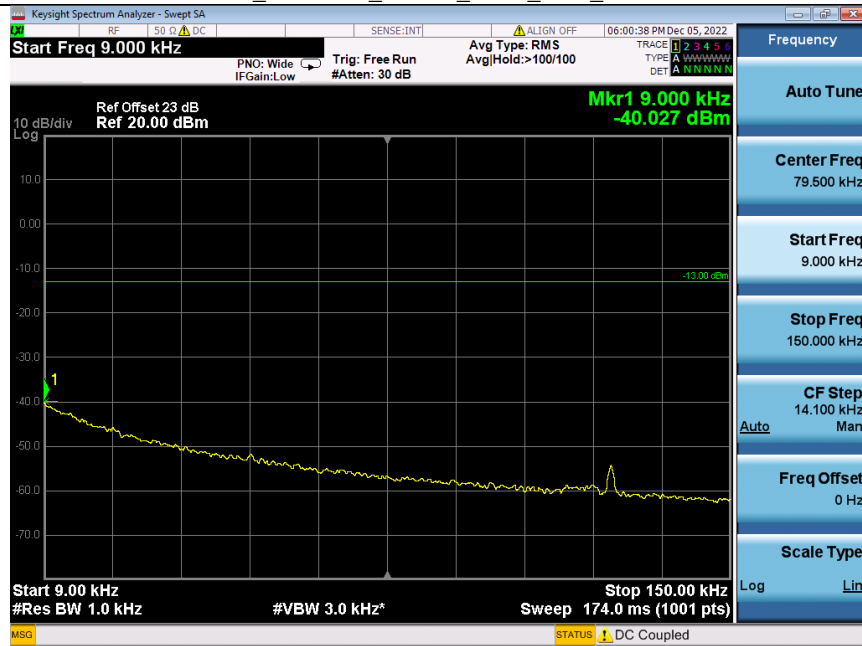
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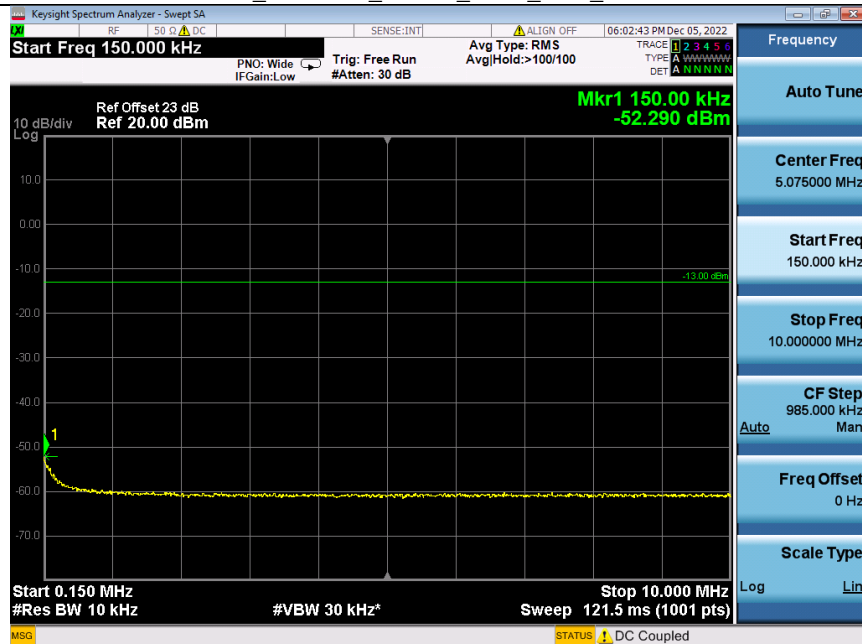
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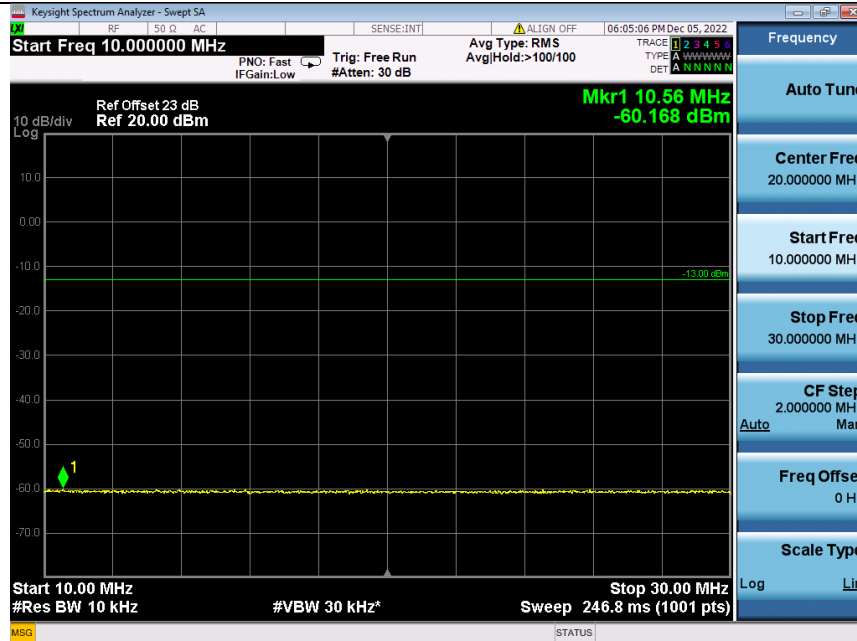
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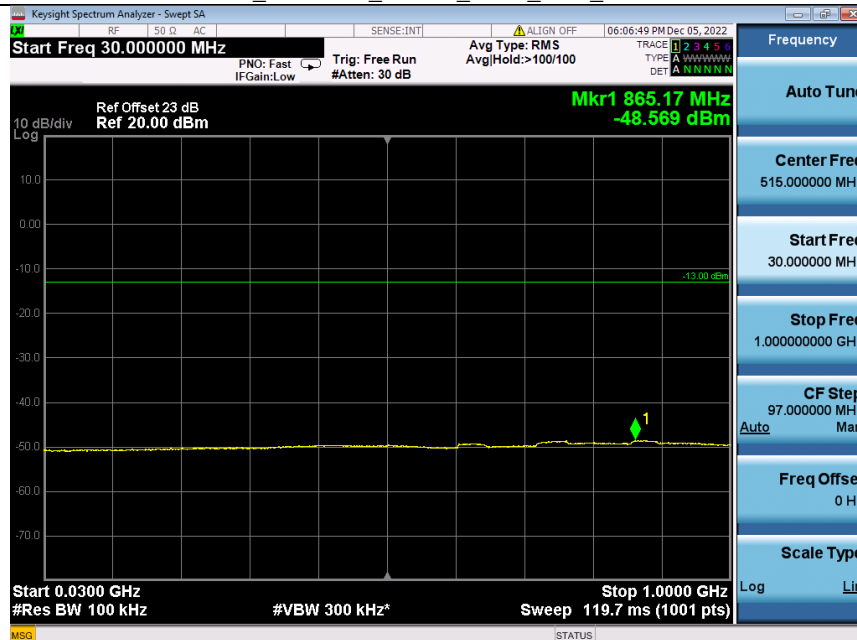
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N41_2640MHz_AWGN_SISO_Ant1_NTNV



N41_2640MHz_AWGN_SISO_Ant1_NTNV



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7. Frequency stability measurements

7.1 Band41_Ant1

7.1.1 Test Result

Band: 41 / NTNV								
Signal			Temp (°C)	Voltage (VAC)	Freq. Error (Hz)	Tolerance (ppm)	Verdict	
Type	Level (dBm)	Frequency (MHz)						
CW	-0.3	2496.1	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
		2593	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
		2689.9	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 Band41_Ant1

8.1.1 Test Result

For LTE Band 41

AWGN_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
404.5	Horizontal	-66.81	-13	-53.81	pass
568.2	Horizontal	-62.70	-13	-49.70	pass
931.9	Horizontal	-56.82	-13	-43.82	pass
1341.9	Horizontal	-60.66	-13	-47.66	pass
2744.9	Horizontal	-51.94	-13	-38.94	pass
6320.4	Horizontal	-51.87	-13	-38.87	pass
382.4	Vertical	-66.41	-13	-53.41	pass
567.9	Vertical	-62.83	-13	-49.83	pass
929.9	Vertical	-61.79	-13	-48.79	pass
1359.7	Vertical	-59.36	-13	-46.36	pass
2731.0	Vertical	-51.41	-13	-38.41	pass
6287.1	Vertical	-47.32	-13	-34.32	pass

AWGN_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
393.2	Horizontal	-69.01	-13	-56.01	pass
560.8	Horizontal	-64.56	-13	-51.56	pass
948.8	Horizontal	-57.72	-13	-44.72	pass
1369.6	Horizontal	-57.58	-13	-44.58	pass
2728.9	Horizontal	-55.37	-13	-42.37	pass
6300.4	Horizontal	-50.20	-13	-37.20	pass
375.5	Vertical	-68.31	-13	-55.31	pass
588.7	Vertical	-65.52	-13	-52.52	pass
950.0	Vertical	-57.37	-13	-44.37	pass
1335.7	Vertical	-57.36	-13	-44.36	pass
2742.5	Vertical	-55.88	-13	-42.88	pass
6323.1	Vertical	-46.86	-13	-33.86	pass

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AWGN_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
377.6	Horizontal	-66.78	-13	-53.78	pass
607.9	Horizontal	-62.35	-13	-49.35	pass
964.5	Horizontal	-60.57	-13	-47.57	pass
1337.4	Horizontal	-56.09	-13	-43.09	pass
2729.5	Horizontal	-55.33	-13	-42.33	pass
6310.9	Horizontal	-49.58	-13	-36.58	pass
397.2	Vertical	-68.77	-13	-55.77	pass
606.2	Vertical	-66.66	-13	-53.66	pass
964.4	Vertical	-59.81	-13	-46.81	pass
1361.8	Vertical	-59.03	-13	-46.03	pass
2733.8	Vertical	-52.44	-13	-39.44	pass
6286.8	Vertical	-46.20	-13	-33.20	pass

GMSK_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
371.5	Horizontal	-70.37	-13	-57.37	pass
568.8	Horizontal	-63.26	-13	-50.26	pass
960.0	Horizontal	-61.70	-13	-48.70	pass
1330.1	Horizontal	-58.11	-13	-45.11	pass
2770.9	Horizontal	-54.05	-13	-41.05	pass
6278.5	Horizontal	-51.84	-13	-38.84	pass
387.0	Vertical	-67.34	-13	-54.34	pass
572.9	Vertical	-61.82	-13	-48.82	pass
975.8	Vertical	-57.53	-13	-44.53	pass
1365.3	Vertical	-57.51	-13	-44.51	pass
2760.1	Vertical	-53.27	-13	-40.27	pass
6297.2	Vertical	-48.47	-13	-35.47	pass



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GMSK_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
386.9	Horizontal	-70.94	-13	-57.94	pass
584.5	Horizontal	-65.79	-13	-52.79	pass
947.7	Horizontal	-58.55	-13	-45.55	pass
1338.8	Horizontal	-60.56	-13	-47.56	pass
2762.8	Horizontal	-55.23	-13	-42.23	pass
6283.4	Horizontal	-48.91	-13	-35.91	pass
391.4	Vertical	-68.05	-13	-55.05	pass
582.6	Vertical	-61.59	-13	-48.59	pass
944.2	Vertical	-56.85	-13	-43.85	pass
1334.8	Vertical	-60.55	-13	-47.55	pass
2772.6	Vertical	-52.97	-13	-39.97	pass
6275.7	Vertical	-48.02	-13	-35.02	pass

GMSK_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
368.6	Horizontal	-69.27	-13	-56.27	pass
592.7	Horizontal	-63.39	-13	-50.39	pass
963.2	Horizontal	-59.92	-13	-46.92	pass
1334.0	Horizontal	-57.76	-13	-44.76	pass
2739.1	Horizontal	-53.23	-13	-40.23	pass
6283.4	Horizontal	-49.25	-13	-36.25	pass
396.3	Vertical	-66.55	-13	-53.55	pass
604.5	Vertical	-66.03	-13	-53.03	pass
940.9	Vertical	-60.82	-13	-47.82	pass
1347.5	Vertical	-57.73	-13	-44.73	pass
2748.2	Vertical	-55.46	-13	-42.46	pass
6316.5	Vertical	-48.66	-13	-35.66	pass



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For 5GNR N41

AWGN_Low channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
371.9	Horizontal	-70.62	-13	-57.62	pass
609.8	Horizontal	-65.60	-13	-52.60	pass
960.8	Horizontal	-57.23	-13	-44.23	pass
1350.3	Horizontal	-59.47	-13	-46.47	pass
2752.4	Horizontal	-54.47	-13	-41.47	pass
6321.3	Horizontal	-47.51	-13	-34.51	pass
379.7	Vertical	-66.11	-13	-53.11	pass
567.4	Vertical	-65.62	-13	-52.62	pass
965.1	Vertical	-61.35	-13	-48.35	pass
1360.0	Vertical	-57.19	-13	-44.19	pass
2750.9	Vertical	-54.98	-13	-41.98	pass
6280.8	Vertical	-50.36	-13	-37.36	pass

AWGN_Middle channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
364.0	Horizontal	-66.98	-13	-53.98	pass
604.3	Horizontal	-64.21	-13	-51.21	pass
974.4	Horizontal	-61.41	-13	-48.41	pass
1334.0	Horizontal	-59.33	-13	-46.33	pass
2762.3	Horizontal	-56.47	-13	-43.47	pass
6287.6	Horizontal	-51.10	-13	-38.10	pass
399.8	Vertical	-71.45	-13	-58.45	pass
603.1	Vertical	-64.02	-13	-51.02	pass
950.0	Vertical	-61.55	-13	-48.55	pass
1373.5	Vertical	-58.80	-13	-45.80	pass
2736.3	Vertical	-53.84	-13	-40.84	pass
6324.9	Vertical	-46.25	-13	-33.25	pass



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AWGN_High channel					
Frequency	Spurious Emission Polarization and Level		Limit	Over limit	Result
	MHz	polarization			
369.3	Horizontal	-68.41	-13	-55.41	pass
587.8	Horizontal	-62.26	-13	-49.26	pass
937.3	Horizontal	-57.64	-13	-44.64	pass
1346.3	Horizontal	-60.20	-13	-47.20	pass
2735.5	Horizontal	-52.72	-13	-39.72	pass
6321.2	Horizontal	-47.51	-13	-34.51	pass
358.9	Vertical	-70.71	-13	-57.71	pass
588.5	Vertical	-63.20	-13	-50.20	pass
942.3	Vertical	-60.03	-13	-47.03	pass
1329.3	Vertical	-59.19	-13	-46.19	pass
2744.7	Vertical	-56.56	-13	-43.56	pass
6311.8	Vertical	-49.78	-13	-36.78	pass



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