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## Appendix I for KSCR2208001465AT

- 1. Out of band rejection
- 1.1 Band26a
- 1.1.1 Test Result

	Band: 26a / NTNV								
Signal	Sweep Frequency Range (MHz)	TX Type	ANT	F0 (MHz)	FL (MHz)	FH (MHz)	Verdict		
CW	839 - 889	SISO	1	865.450	858.550	869.550	Pass		



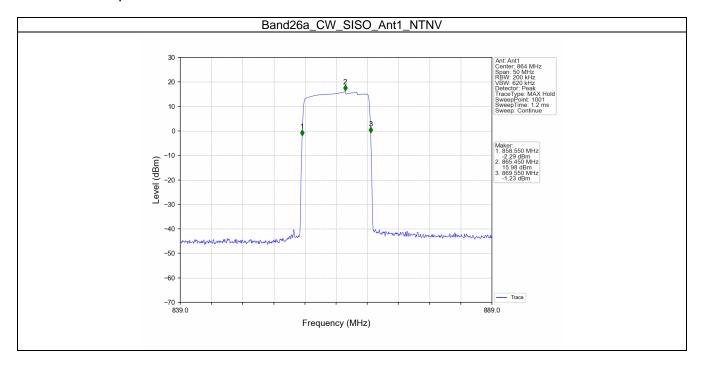
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#### 1.1.2 Test Graph





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#### 2. AGC threshold

#### 2.1 Band26a

#### 2.1.1 Test Result

	Band: 26a / NTNV									
Signal	Frequency (MHz)	TX Type	ANT	AGC Threshold (dBm)	Verdict					
AWGN	865.45	SISO	1	-2.00	Pass					
GMSK	865.45	SISO	1	-2.00	Pass					

## 3. Input-versus-output signal comparison

#### 3.1 Band26a OBW

#### 3.1.1 Test Result

	Band: 26a / NTNV											
	Signal		TX Type	ANT	99% OB'	W (MHz)	Verdict					
Type	Level (dBm)	1 × 1 ype	ANI	Output	Input	Verdict						
AWGN	1	865.45	SISO	1	4.546	4.537	Pass					
AWGIN	-2	865.45	SISO	1	4.532	4.534	Pass					
GMSK	1	865.45	SISO	1	0.246	0.245	Pass					
GIVISK	-2	865.45	SISO	1	0.244	0.243	Pass					



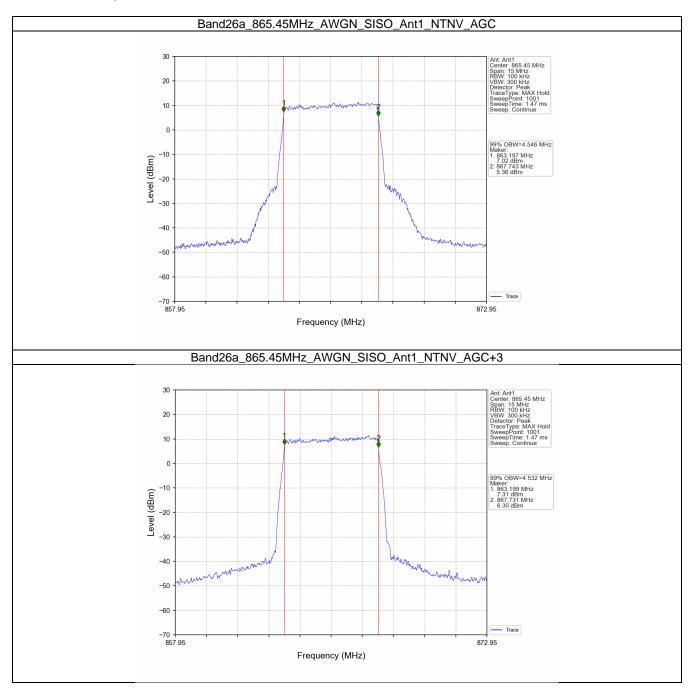
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#### 3.1.2 Test Graph





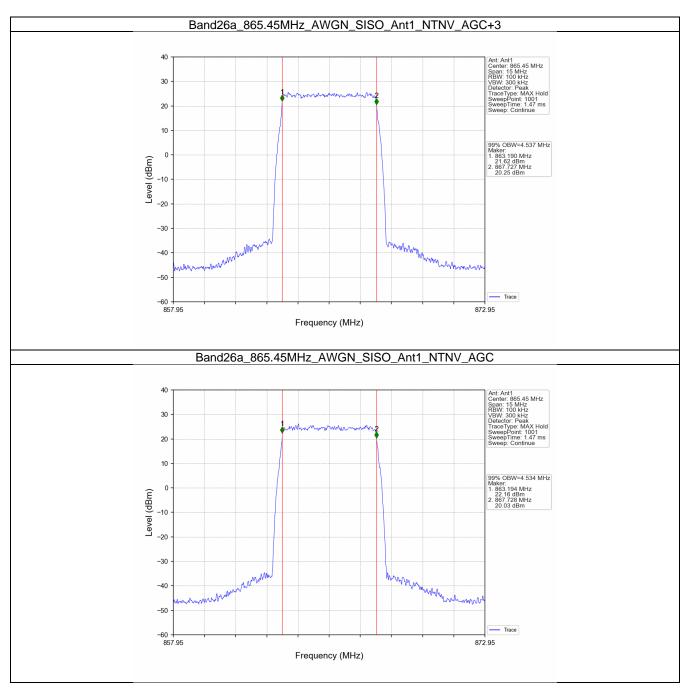
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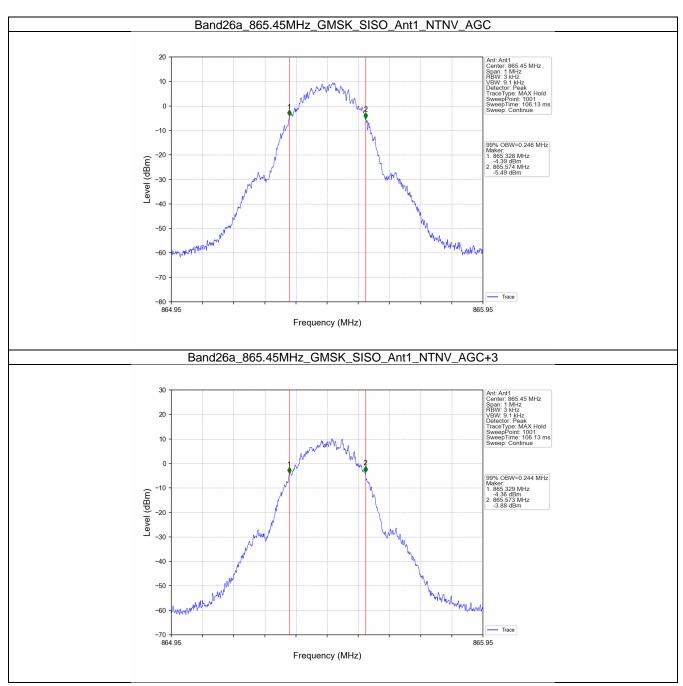
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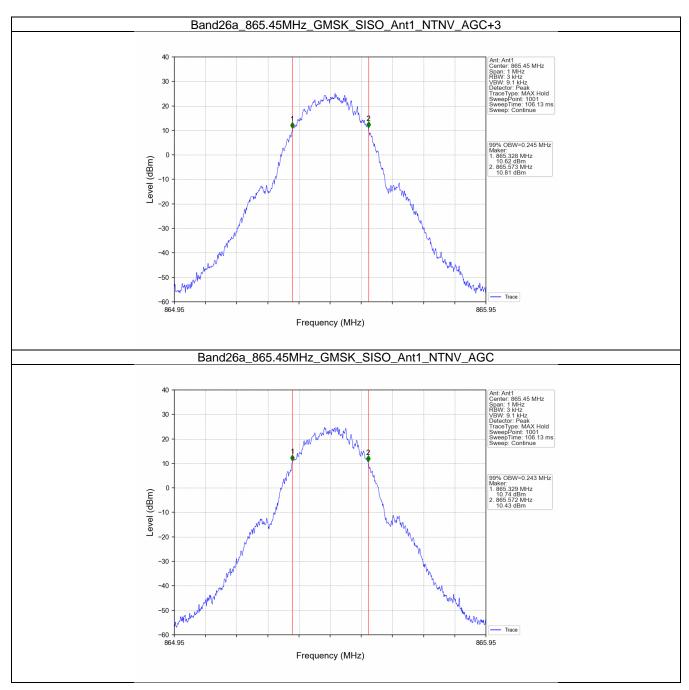


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#### 3.2 Band26a\_EBW

#### 3.2.1 Test Result

	Band: 26a / NTNV											
	Signal		TV Tupo	ANT	26dB EB	W (MHz)	Verdict					
Type	Level (dBm)	TX Type	AINT	Output	Input	verdict						
AWGN	1	865.45	SISO	1	5.059	5.064	Pass					
AWGN	-2	865.45	SISO	1	5.065	5.070	Pass					
GMSK	1	865.45	SISO	1	0.314	0.314	Pass					
GIVISK	-2	865.45	SISO	1	0.315	0.313	Pass					



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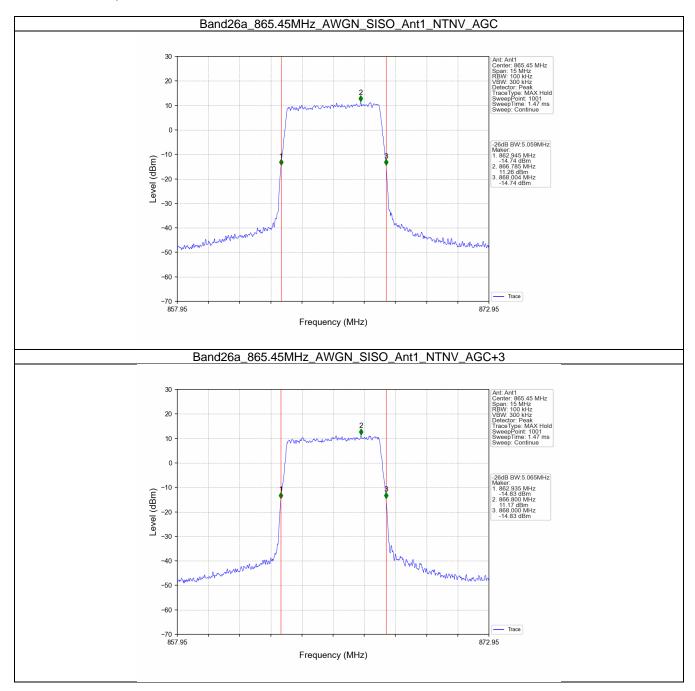
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#### 3.2.2 Test Graph



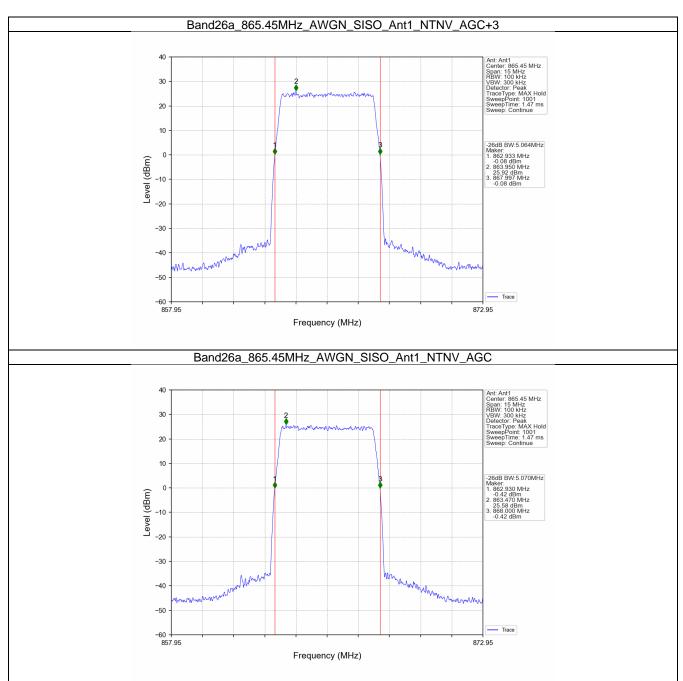


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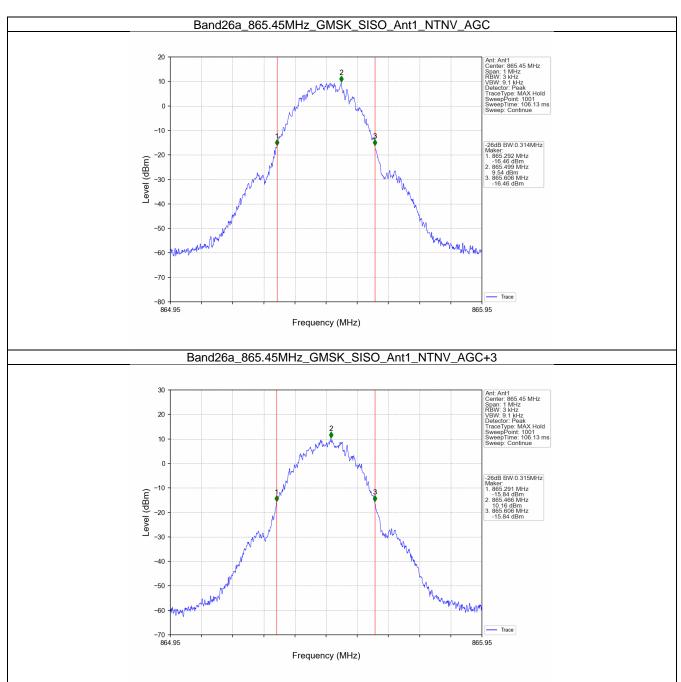
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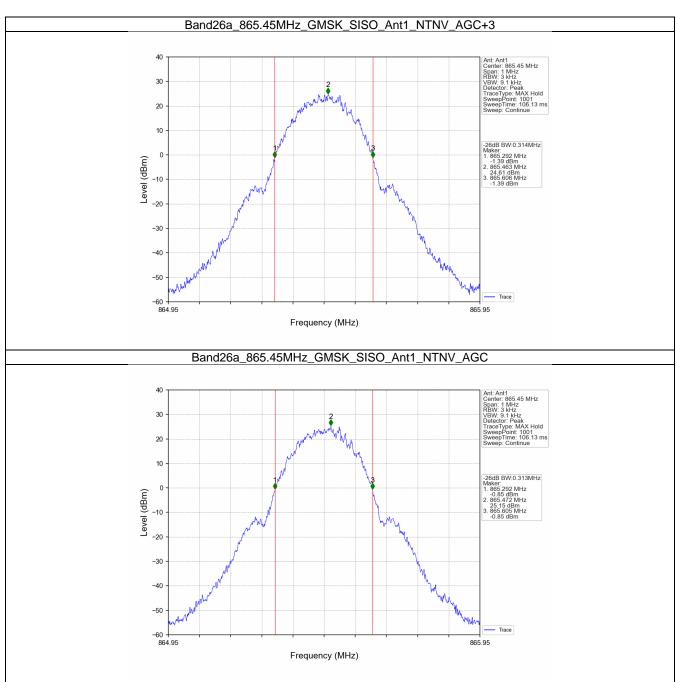


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# 4. Input/output power and amplifier/booster gain

#### 4.1 Band26a ERP

#### 4.1.1 Test Result

	Band: 26a / NTNV												
	Signa	al	TX Type	ANT -	Conducted Power (dBm)		ERP (dBm)		Booster Gain	Verdict			
Туре	Level (dBm)	Frequency (MHz)	тх туре		Output	Input	Result	Limit	(dB)	veralci			
AWGN	-2	865.45	SISO	1	17.32	-1.08	18.10	<=60	18.40	Pass			
AWGIN	1	865.45	SISO	1	17.35	1.34	18.13	<=60	/	Pass			
GMSK	-2	865.45	SISO	1	16.93	-1.10	17.71	<=60	18.03	Pass			
GIVISK	1 865.45		SISO	1	17.62	1.50	18.40	<=60	/	Pass			

				85	9MHz-869N	1Hz / NTNV					
Operation	Frequency Signal		Signal Input				ed Power Bm)		Total Output	ERP	Gain
Band	(MHz)	Type	(dBm)	(dBm)	Ant 1	Ant 2	Ant 3	Ant 4	Power (dBm)	(dBm)	(dB)
					SISO n	node					
			Pre- AGC	-2	17.32				17.32	18.10	17.90
859MHz-	865.45	AWGN	3dB Above AGC	1	17.35	1	1	1	17.35	18.13	/
869MHz	665.45		Pre- AGC	-2	16.93				16.93	17.71	18.94
		GMSK	3dB Above AGC	1	17.62	1	1	1	17.62	18.40	/

				859	MHz-869M	Hz / NTNV					
Operation	Frequency	equency Signal		Input	Total C	output Power	r (dBm)	ERP (dBm)			Gain
Band			Level (dBm)	Power (dBm)	SISO	2X2 MIMO	4X4 MIMO	SISO	2X2 MIMO	4X4 MIMO	(dB)
					MIMO m	ode					
			Pre- AGC	-2	17.32	20.33	23.34	18.10	21.11	24.12	/
859MHz-	865.45	AWGN	3dB Above AGC	1	17.35	20.36	23.37	18.13	21.14	24.15	/
869MHz	865.45		Pre- AGC	-2	16.93	19.94	22.95	17.71	20.72	23.73	/
		GMSK	3dB Above AGC	1	17.62	20.63	23.64	18.40	21.41	24.42	/



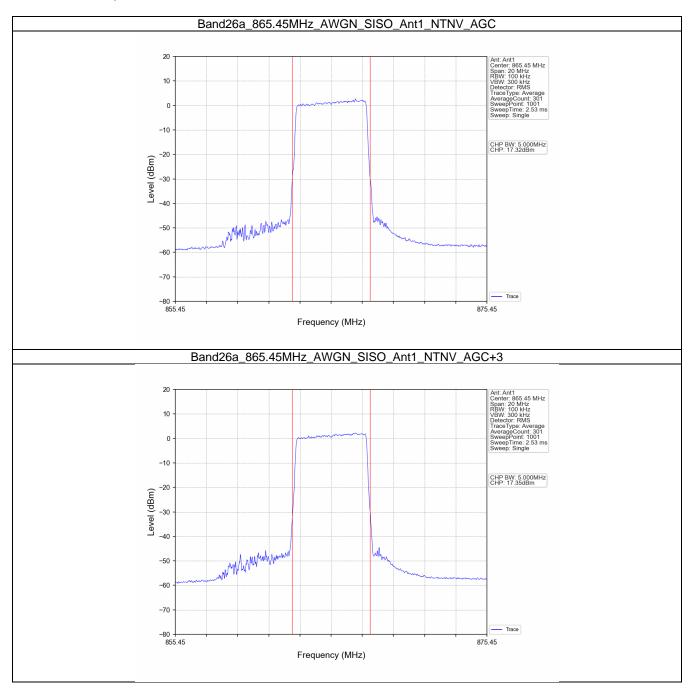
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#### 4.1.2 Test Graph





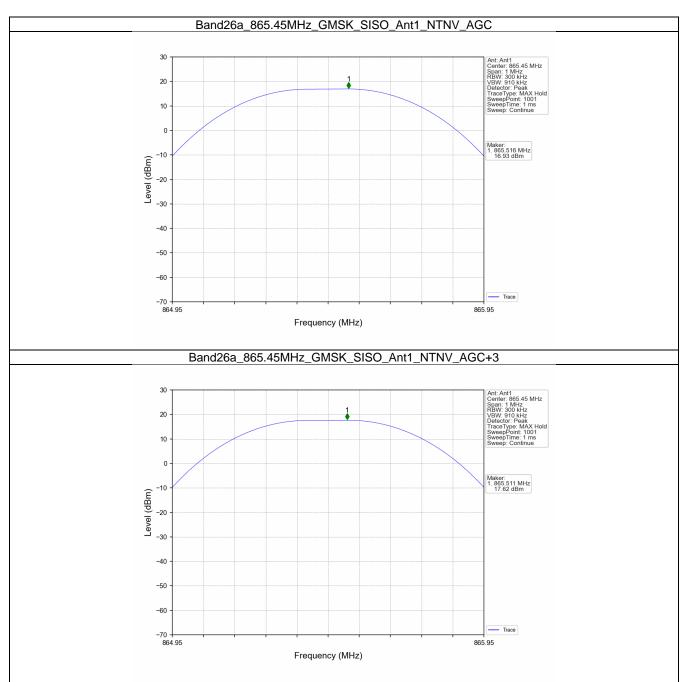
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#### 4.2 Band26a\_PAPR

#### 4.2.1 Test Result

		Ba	and: 26a / NTN	V			
	Signal		TV Type	ANT	PAPF	Verdict	
Type	Level (dBm)	TX Type	ANI	Result	Limit	verdict	
AWGN	-2	865.45	SISO	1	8.23	<=13	Pass
AWGN	1	865.45	SISO	1	8.23	<=13	Pass
GMSK	-2	865.45	SISO	1	0.35	<=13	Pass
GIVISK	1	865.45	SISO	1	0.31	<=13	Pass



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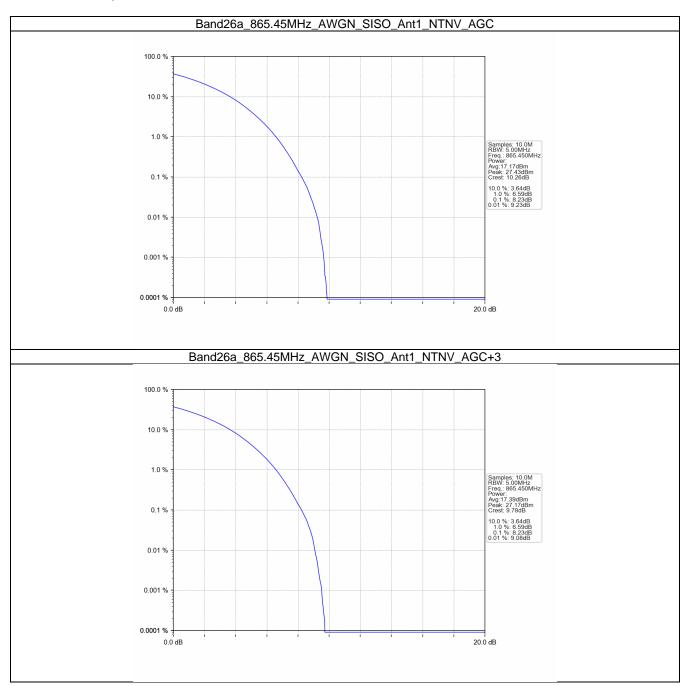
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#### 4.2.2 Test Graph





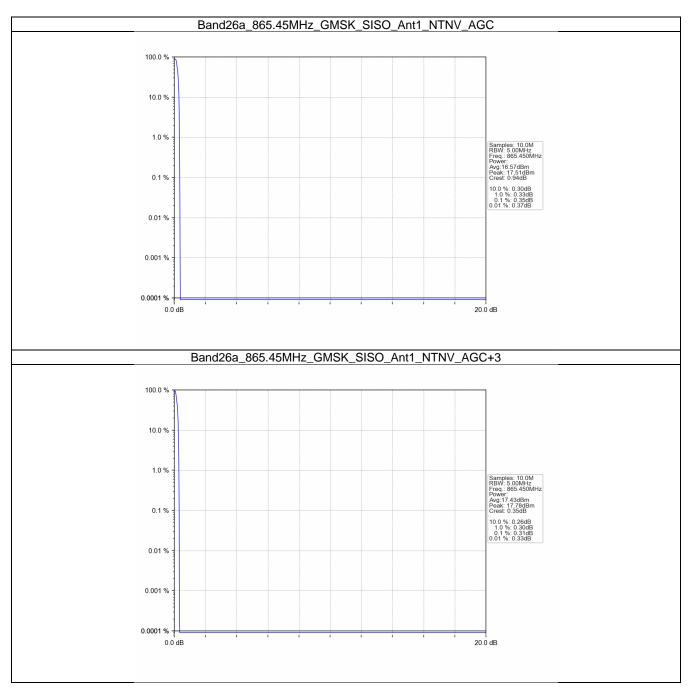
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## 5. Out-of-band/out-of-block (including intermodulation) emissions

#### 5.1 Band26a

#### 5.1.1 Test Result

				Band: 26	a / NTNV				
		Signal		Channal	TV Type	ANT		OOB (dBm)	Verdict
Input	Type	Level (dBm)	Frequency (MHz)	Channel	TX Type	ANI	Result	Limit	verdict
Two	AWGN	-2	861.5	LCH	SISO	1	-68.43	Refer To Test Graph	Pass
TWO	AWGIN	1	861.5	LCH	SISO	1	-68.26	Refer To Test Graph	Pass
000	AWGN	-2	861.5	LCH	SISO	1	-68.13	Refer To Test Graph	Pass
One	AWGIN	1	861.5	LCH	SISO	1	-68.34	Refer To Test Graph	Pass
Two	AWGN	-2	866.5	HCH	SISO	1	-68.28	Refer To Test Graph	Pass
TWO	AWGIN	1	866.5	HCH	SISO	1	-68.00	Refer To Test Graph	Pass
One	AWGN	-2	866.5	HCH	SISO	1	-68.50	Refer To Test Graph	Pass
One	AWGIN	1	866.5	HCH	SISO	1	-67.84	Refer To Test Graph	Pass
Two	GMSK	-2	859.1	LCH	SISO	1	-80.23	Refer To Test Graph	Pass
TWO	GIVION	1	859.1	LCH	SISO	1	-80.13	Refer To Test Graph	Pass
000	GMSK	-2	859.1	LCH	SISO	1	-80.32	Refer To Test Graph	Pass
One	GIVION	1	859.1	LCH	SISO	1	-80.32	Refer To Test Graph	Pass
Turo	GMSK	-2	868.9	HCH	SISO	1	-80.27	Refer To Test Graph	Pass
Two	GIVION	1	868.9	HCH	SISO	1	-80.22	Refer To Test Graph	Pass
One	GMSK	-2	868.9	HCH	SISO	1	-80.38	Refer To Test Graph	Pass
One	GIVION	1	868.9	HCH	SISO	1	-80.22	Refer To Test Graph	Pass



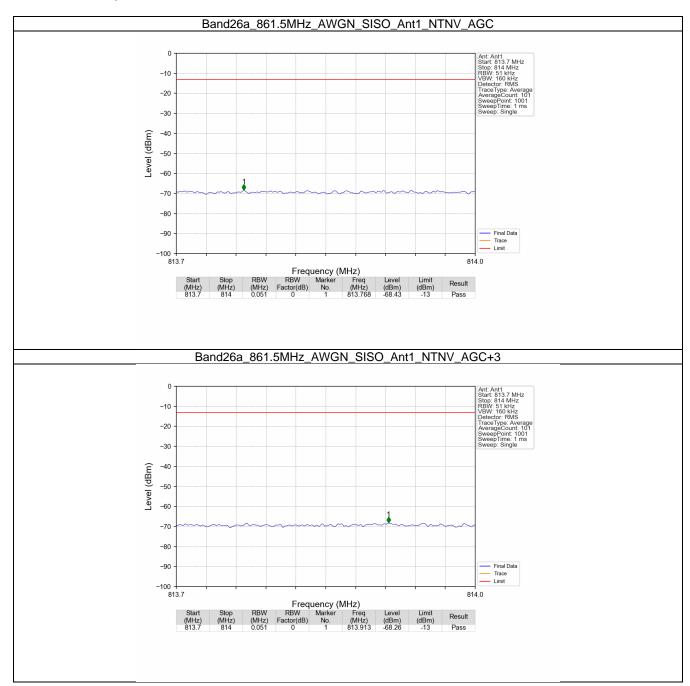
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#### 5.1.2 Test Graph



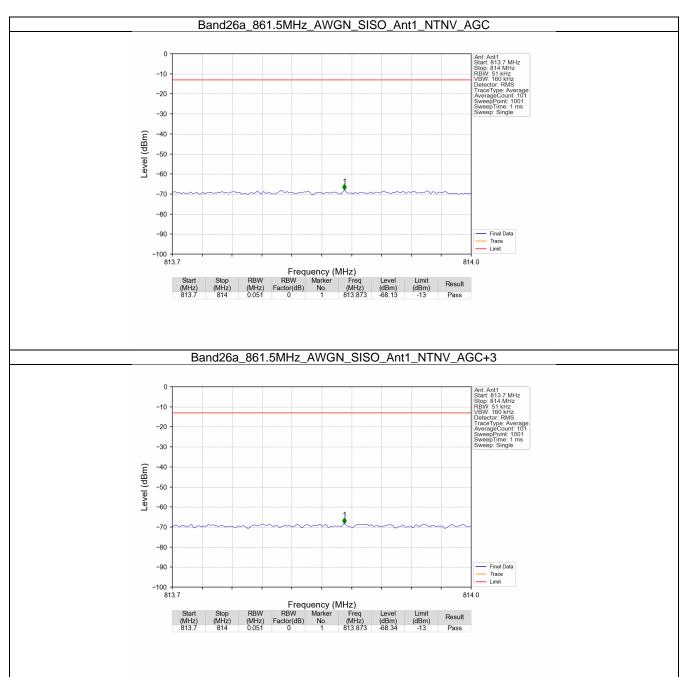


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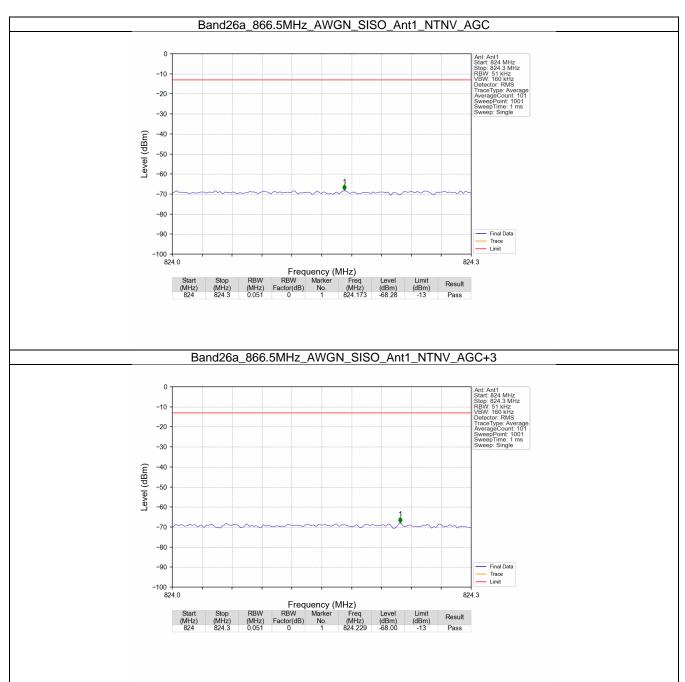


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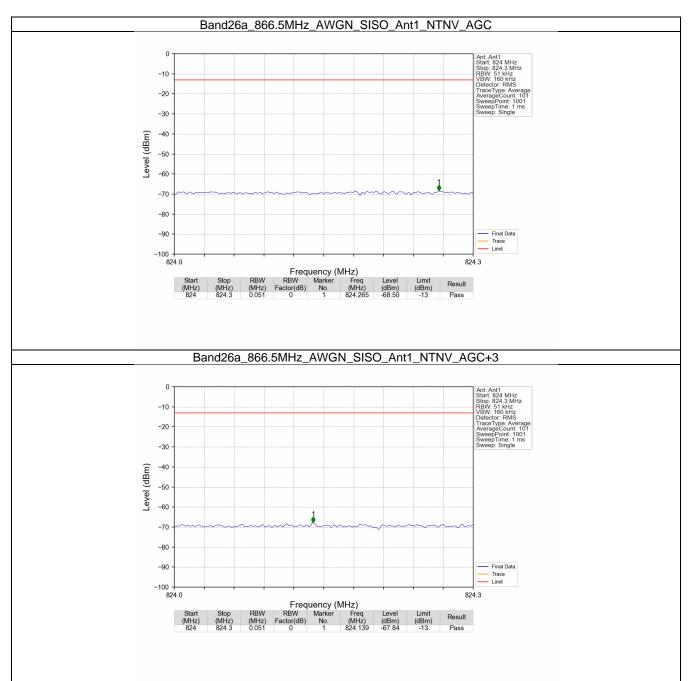


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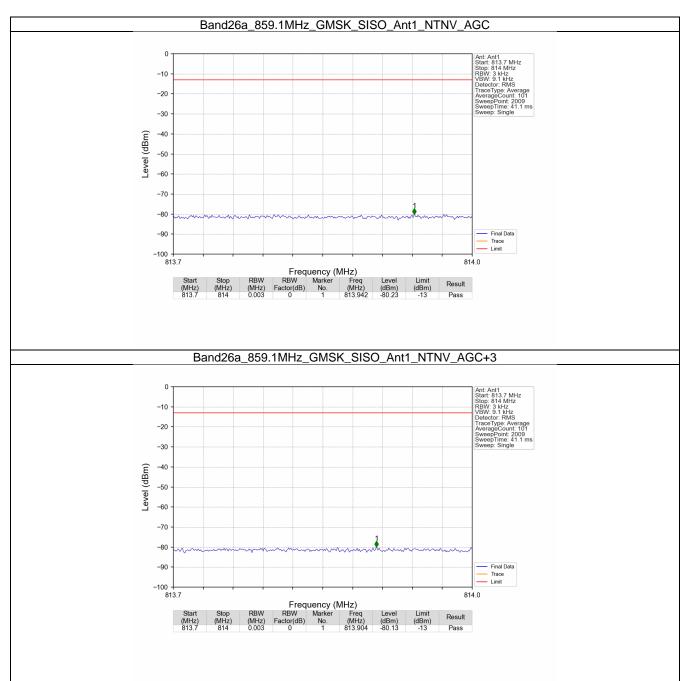


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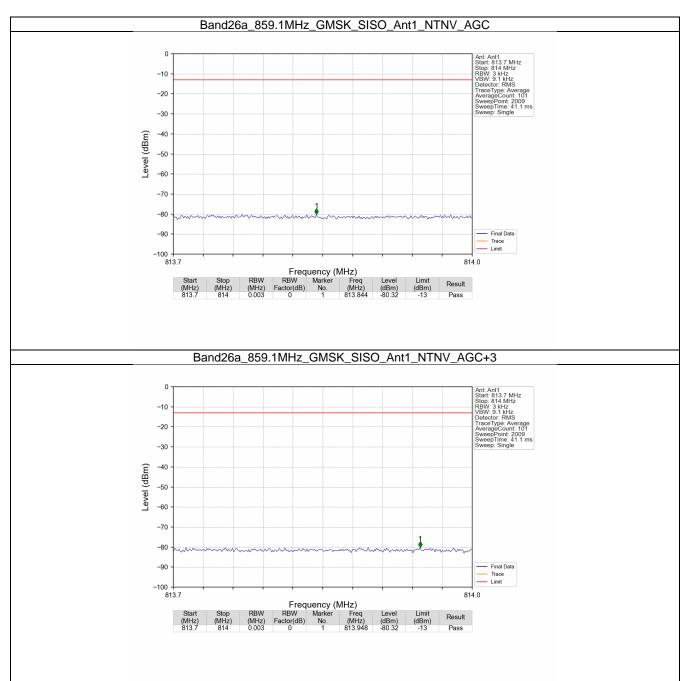


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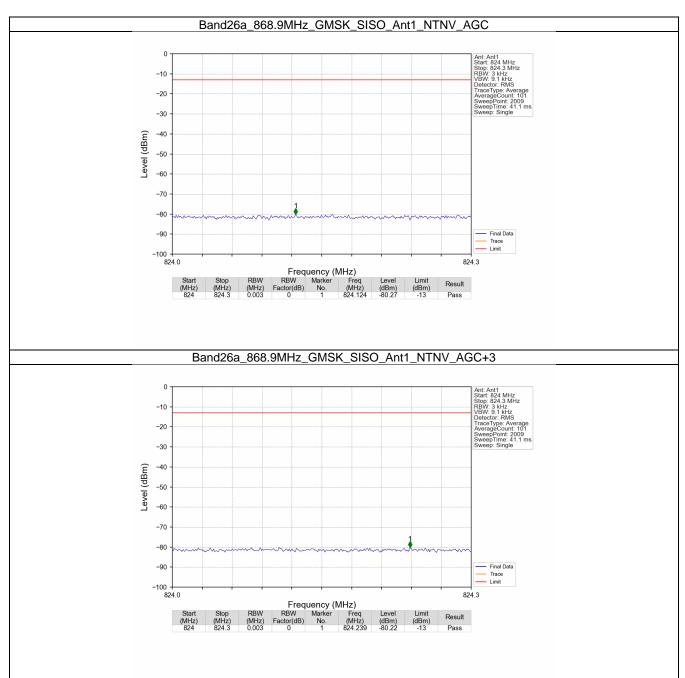


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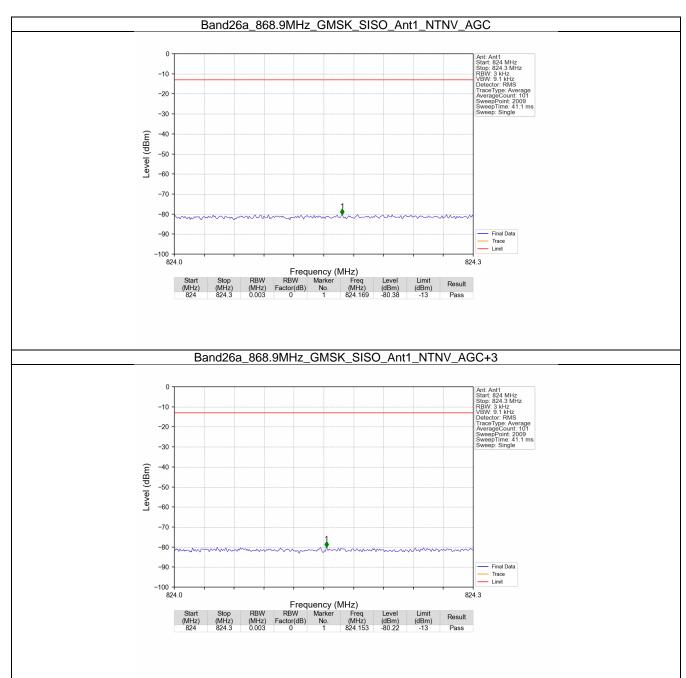
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## 6. Spurious emissions

#### 6.1 Band26a

#### 6.1.1 Test Result

	Band: 26a / NTNV											
	Signa	al	Channal	TV Tuno	ANT	SE (dBm)	Vordict					
Type	Level (dBm)	Frequency (MHz)	Channel	TX Type	AINI	Result Limit	Verdict					
		861.5	LCH	SISO	1	Refer To Test Graph	Pass					
AWGN	-2	864	MCH	SISO	1	Refer To Test Graph	Pass					
		866.5	HCH	SISO	1	Refer To Test Graph	Pass					
		859.1	LCH	SISO	1	Refer To Test Graph	Pass					
GMSK	-2	864	MCH	SISO	1	Refer To Test Graph	Pass					
		868.9	HCH	SISO	1	Refer To Test Graph	Pass					



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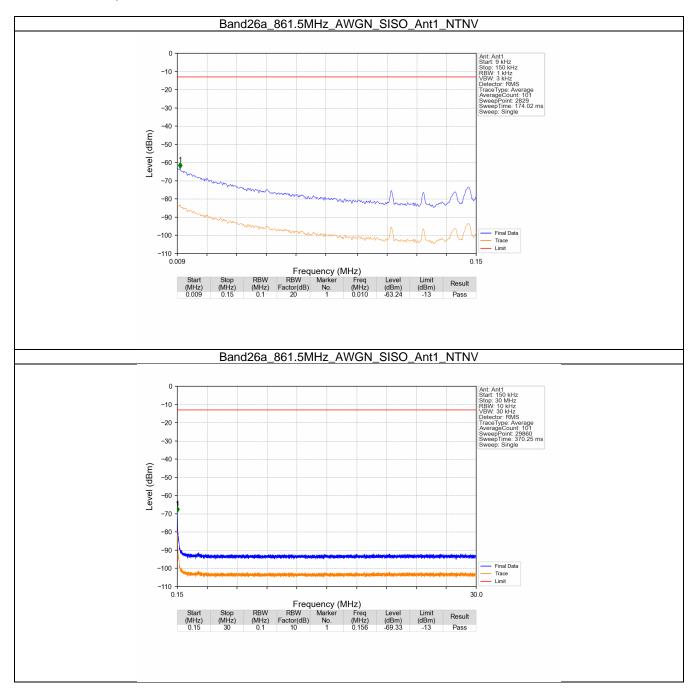
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#### 6.1.2 Test Graph



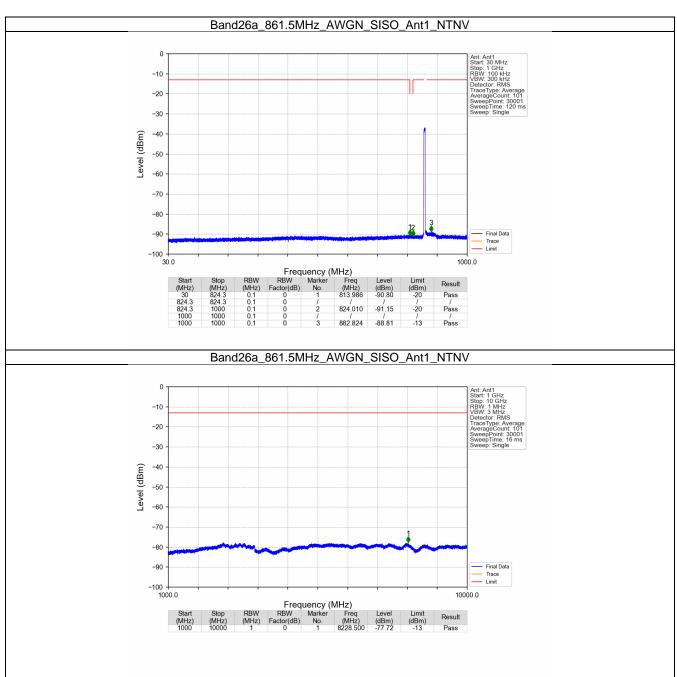


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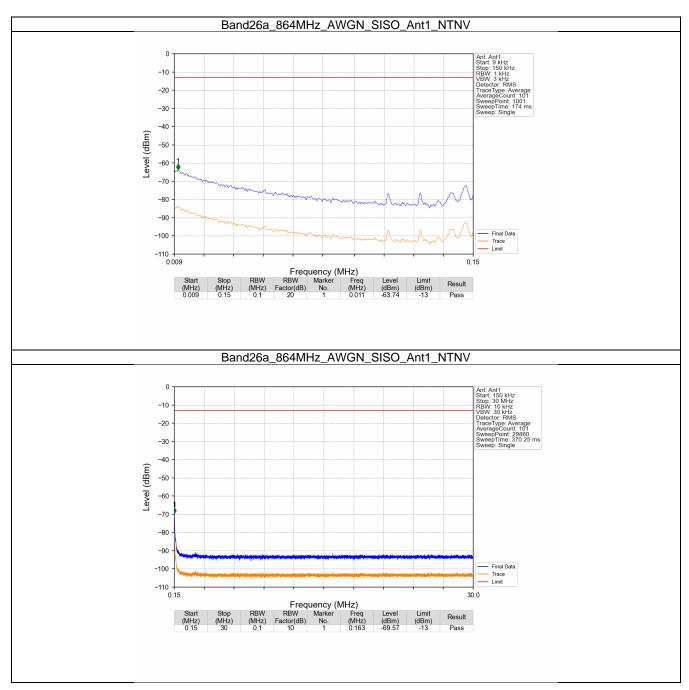


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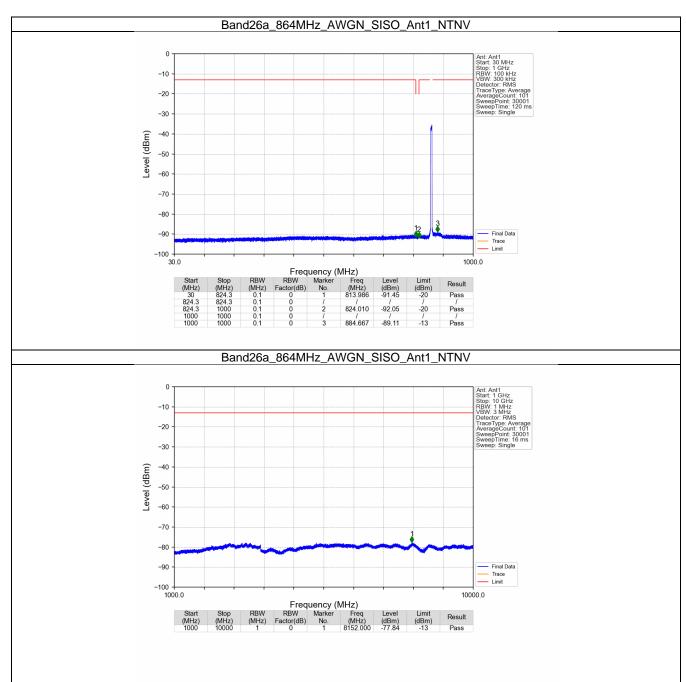


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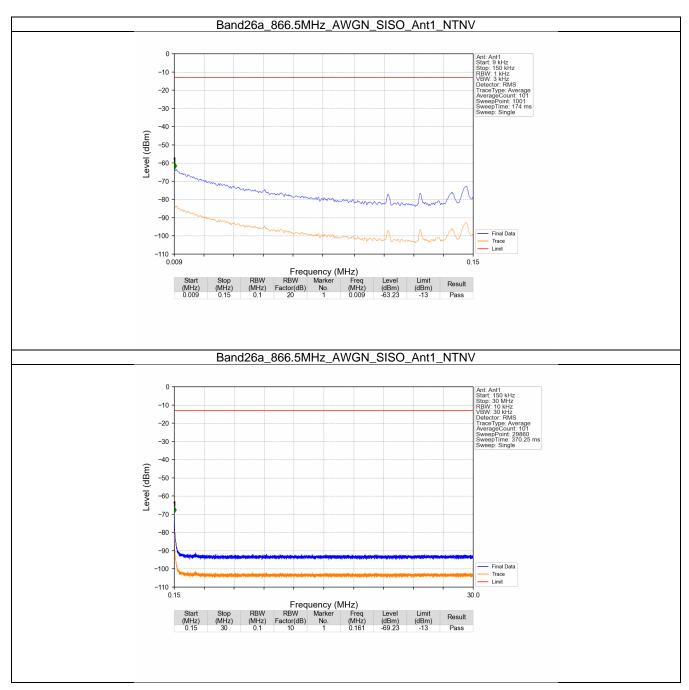


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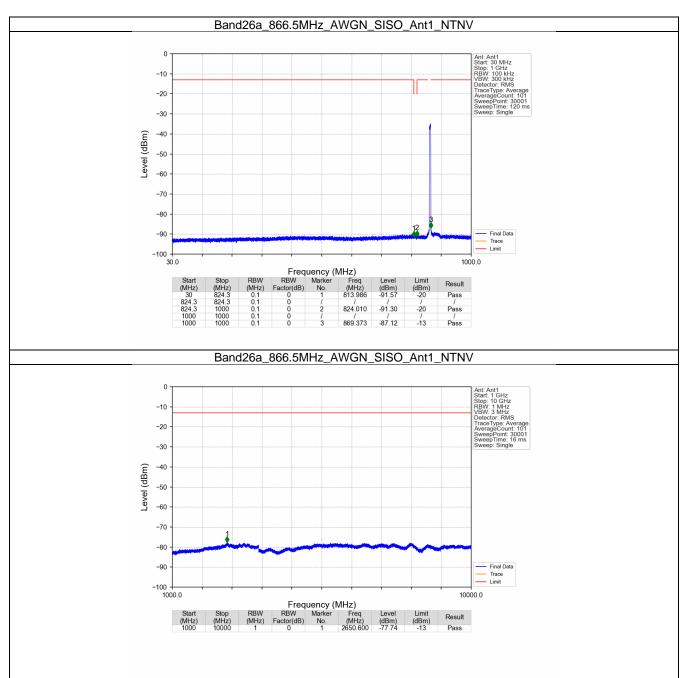


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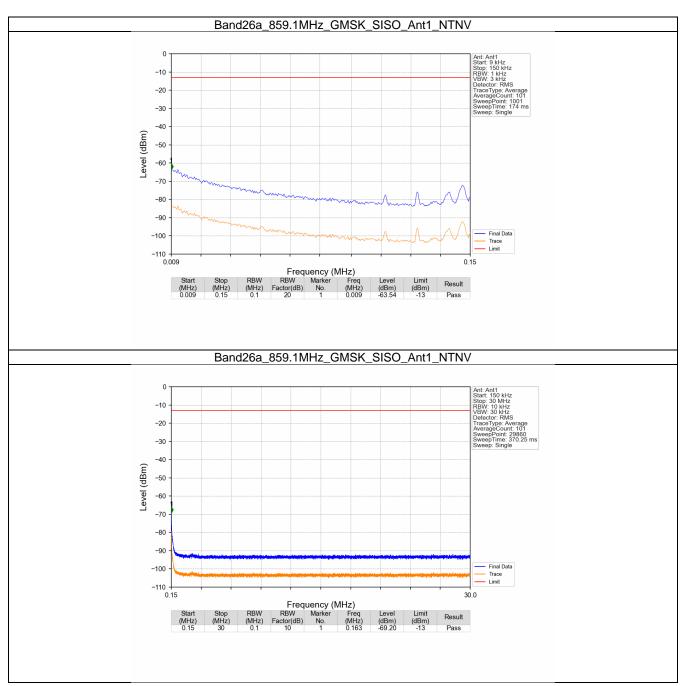


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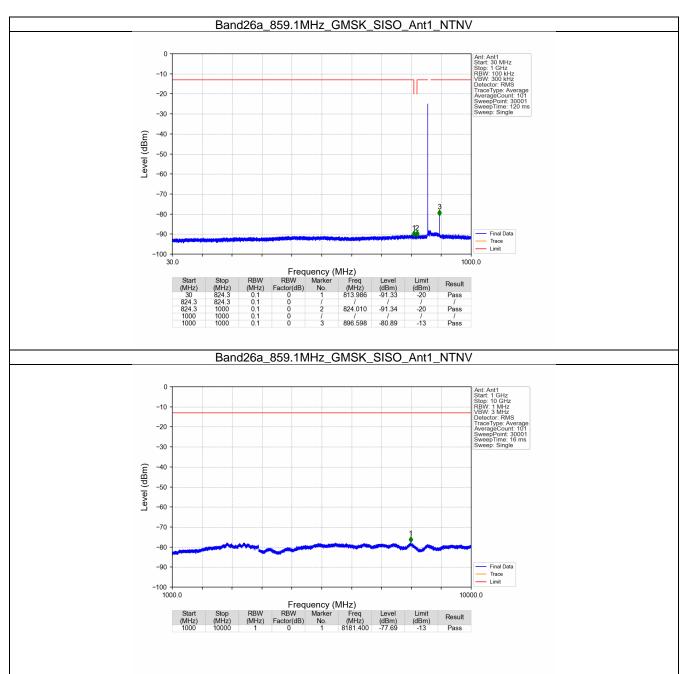


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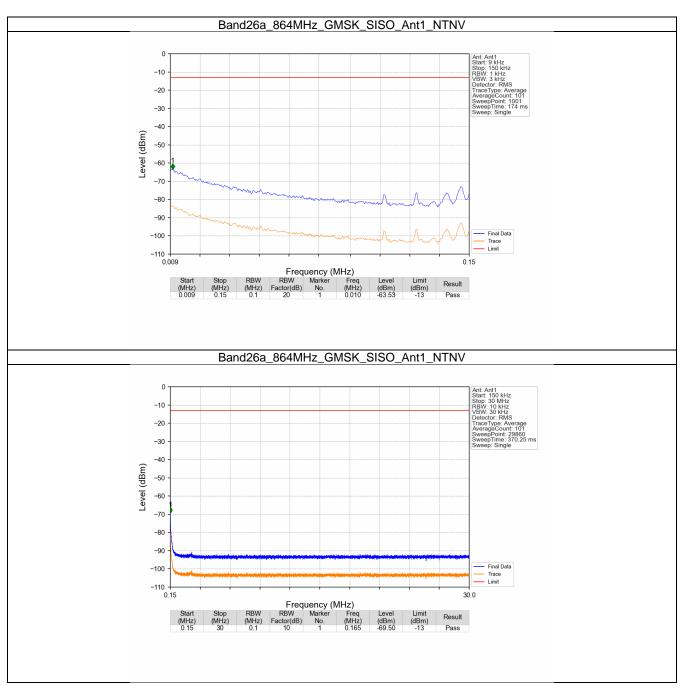


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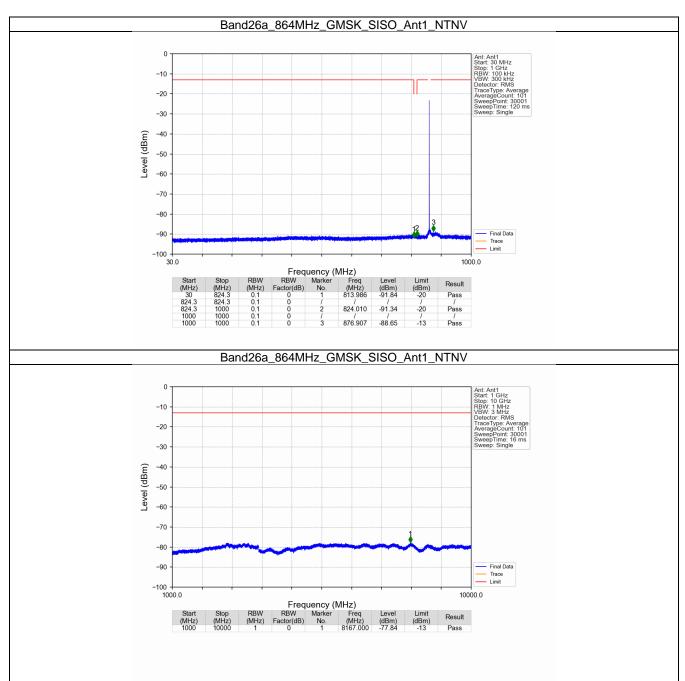


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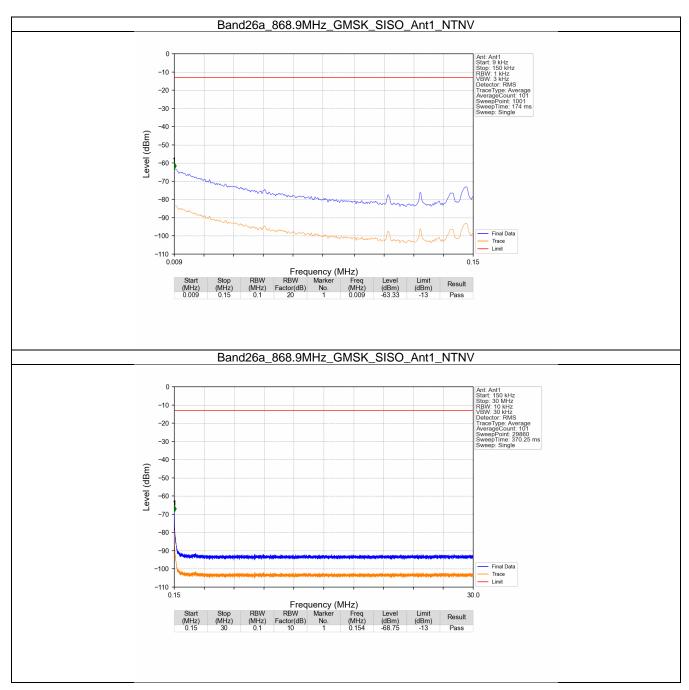


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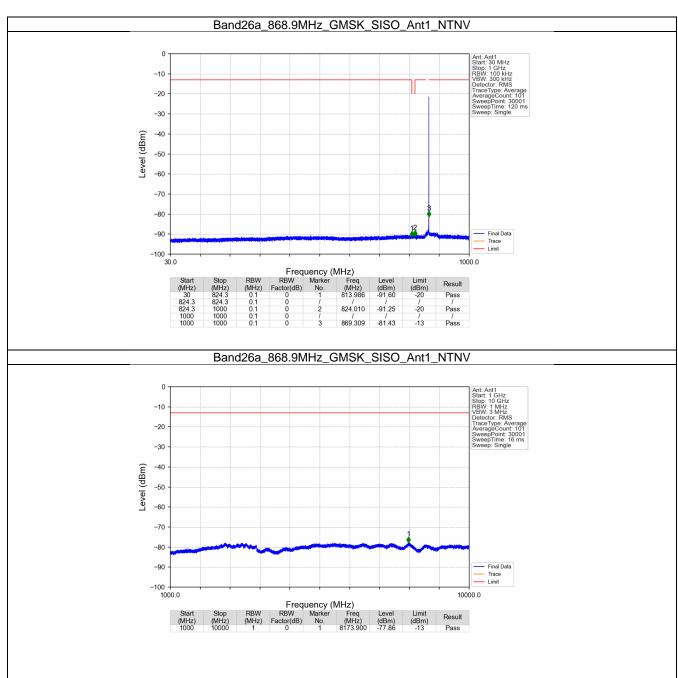


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#### 7. Frequency stability measurements

#### 7.1 Band26a Ant1

#### 7.1.1 Test Result

			Band: 26a	/ NTNV			
	Signal		Temp	Voltage	Freq. Error	Tolerance	\/:
Type	Level (dBm)	Frequency (MHz)	(°C)	(VDČ)	(Hz)	(ppm)	Verdict
• •	, ,	, ,	,	40.8	0.00	0.00	Pass
			20	48	0.00	0.00	Pass
				55.2	0.00	0.00	Pass
			-30	48	0.00	0.00	Pass
			-20	48	0.00	0.00	Pass
		859.1	-10	48	0.00	0.00	Pass
			0	48	0.00	0.00	Pass
			10	48	0.00	0.00	Pass
			30	48	0.00	0.00	Pass
			40	48	0.00	0.00	Pass
			50	48	0.00	0.00	Pass
				40.8	0.00	0.00	Pass
			20	48	0.00	0.00	Pass
		864		55.2	0.00	0.00	Pass
			-30	48	0.00	0.00	Pass
			-20				
CW	-2		-10	48	0.00	0.00	Pass
			0	48	0.00	0.00	Pass
			10	48	0.00	0.00	Pass
			30	48	0.00	0.00	Pass
			40	48	0.00	0.00	Pass
			50	48	0.00	0.00	Pass
				40.8	0.00	0.00	Pass
			20	48	0.00	0.00	Pass
				55.2	0.00	0.00	Pass
			-30	48	0.00	0.00	Pass
			-20	48	0.00	0.00	Pass
		868.9	-10	48	0.00	0.00	Pass
			0	48	0.00	0.00	Pass
			10	48	0.00	0.00	Pass
			30	48	0.00	0.00	Pass
			40	48	0.00	0.00	Pass
			50	48	0.00	0.00	Pass



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