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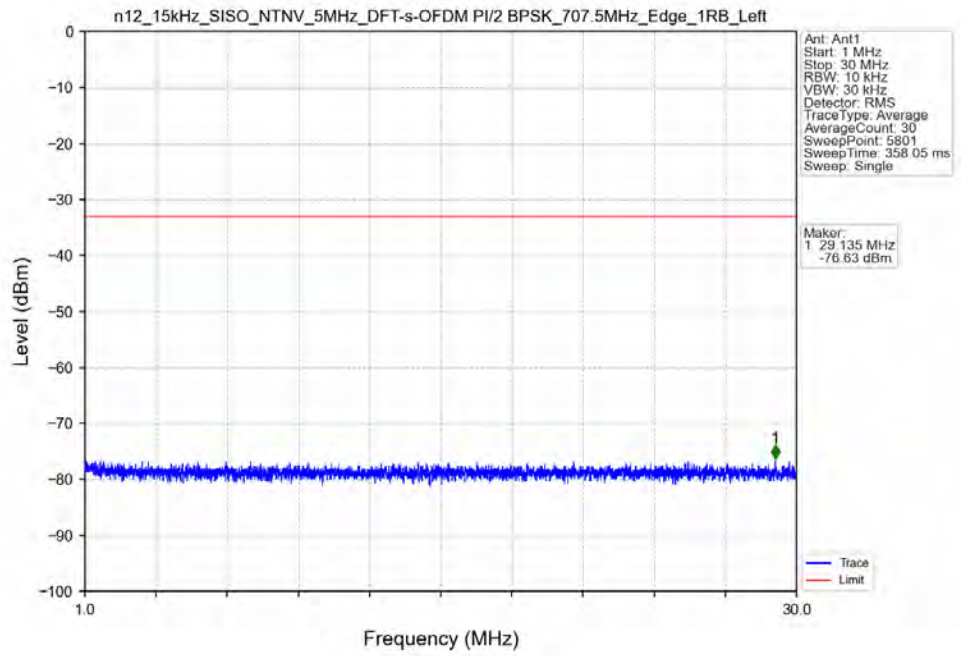

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Edge_1RB_Left

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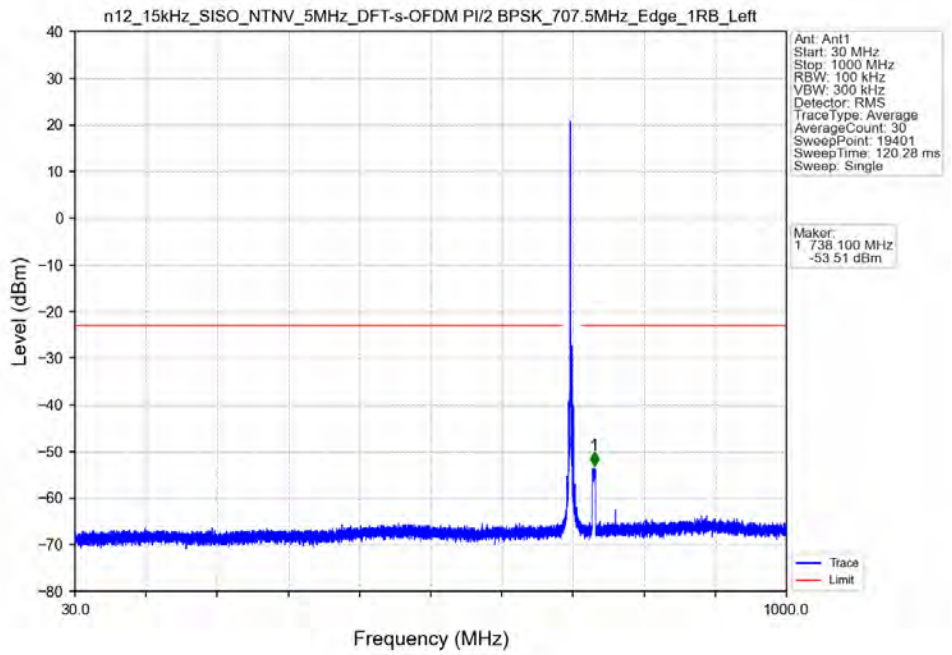

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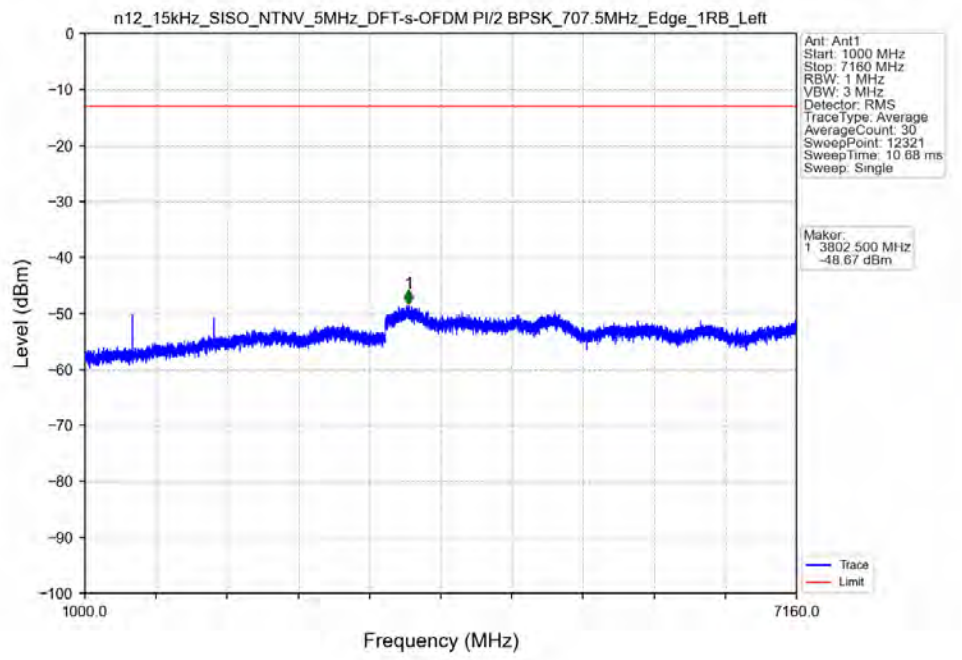

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Edge_1RB_Right

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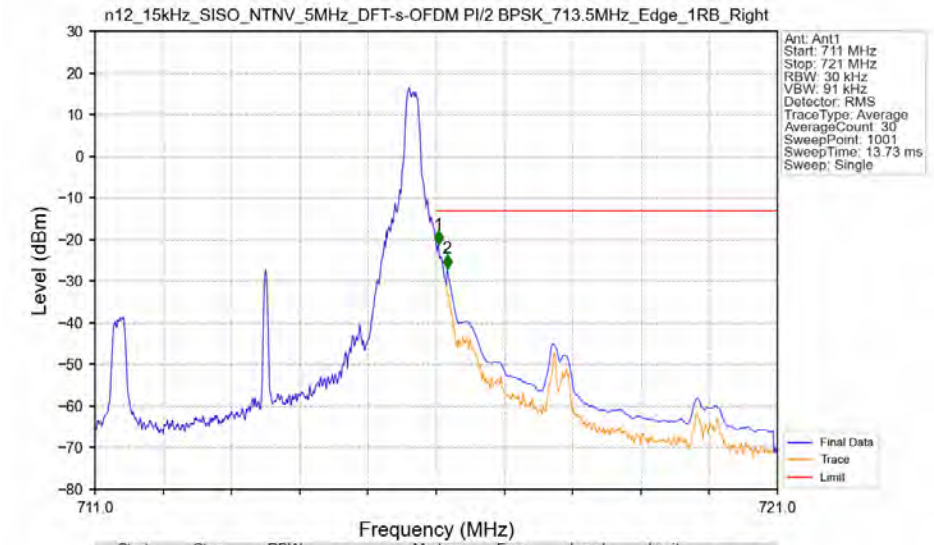

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-21.16	-13	Pass
716.1	721	0.1	CHP	2	716.160	-26.95	-13	Pass

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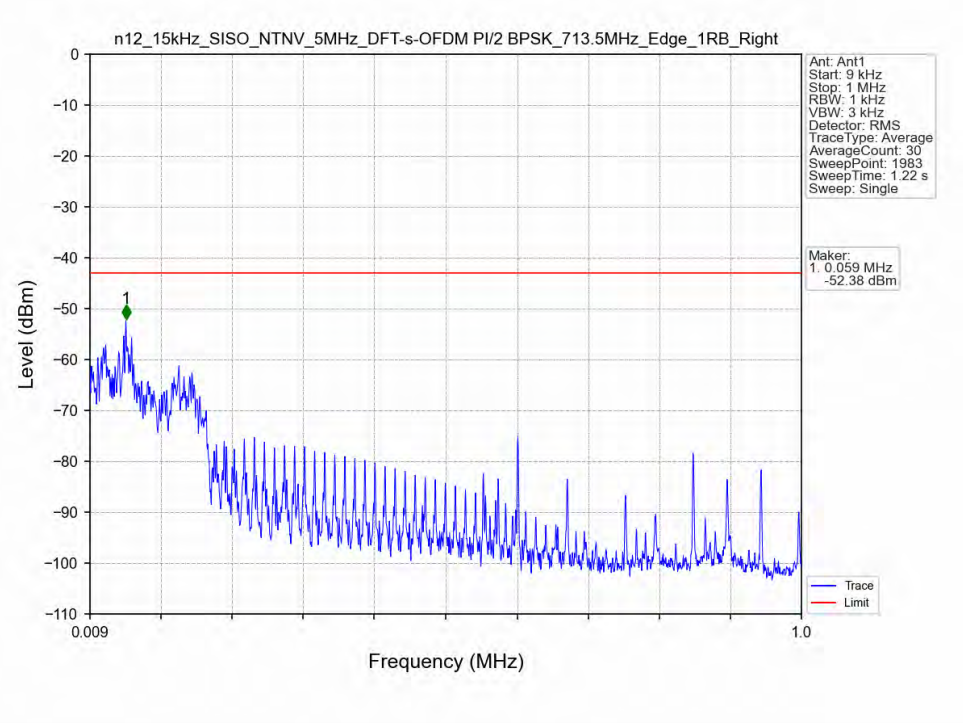
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Edge_1RB_Right



n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Edge_1RB_Right

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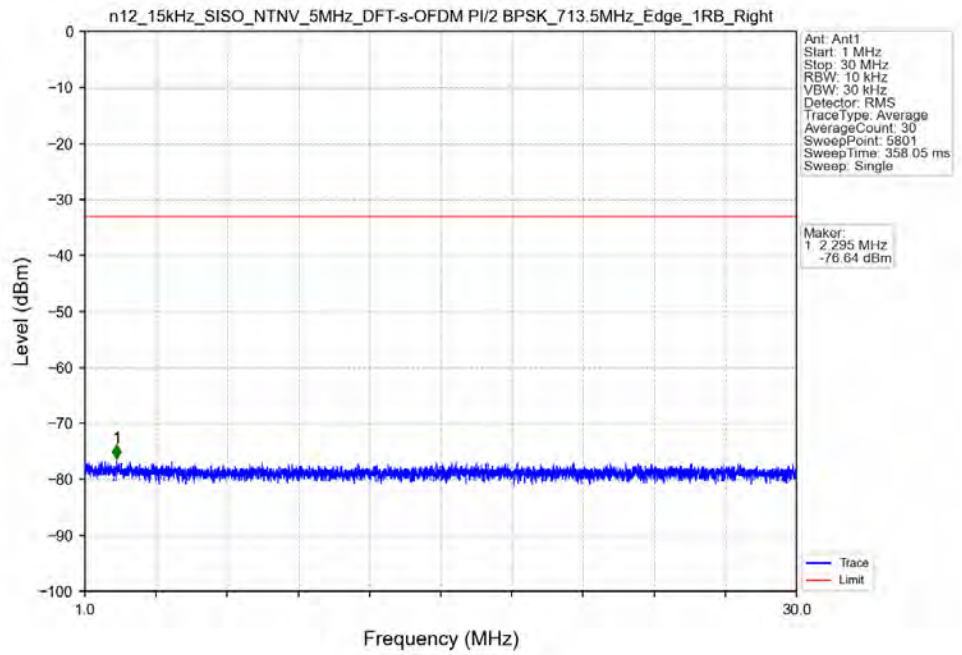

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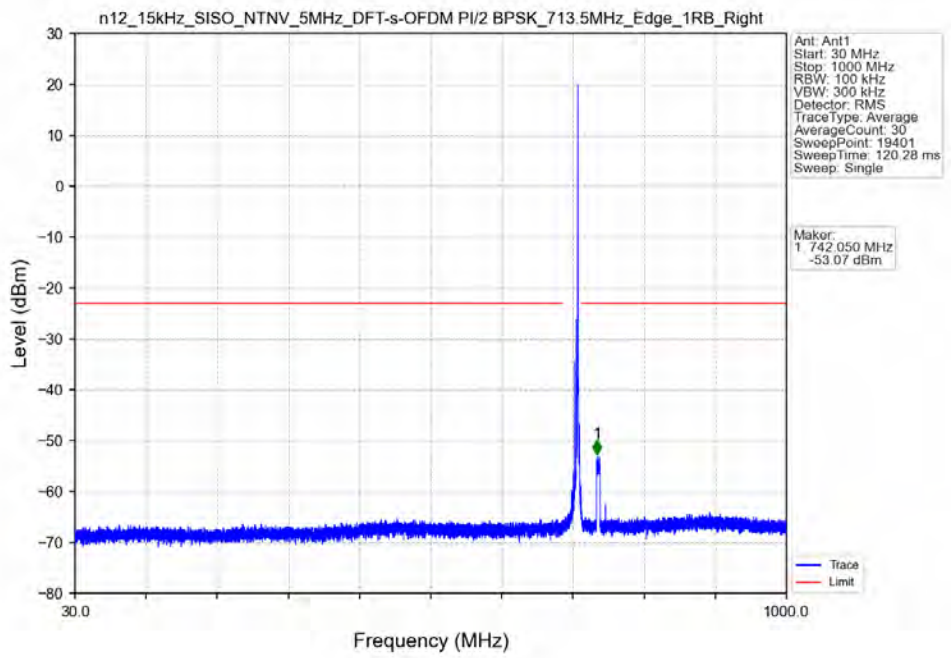

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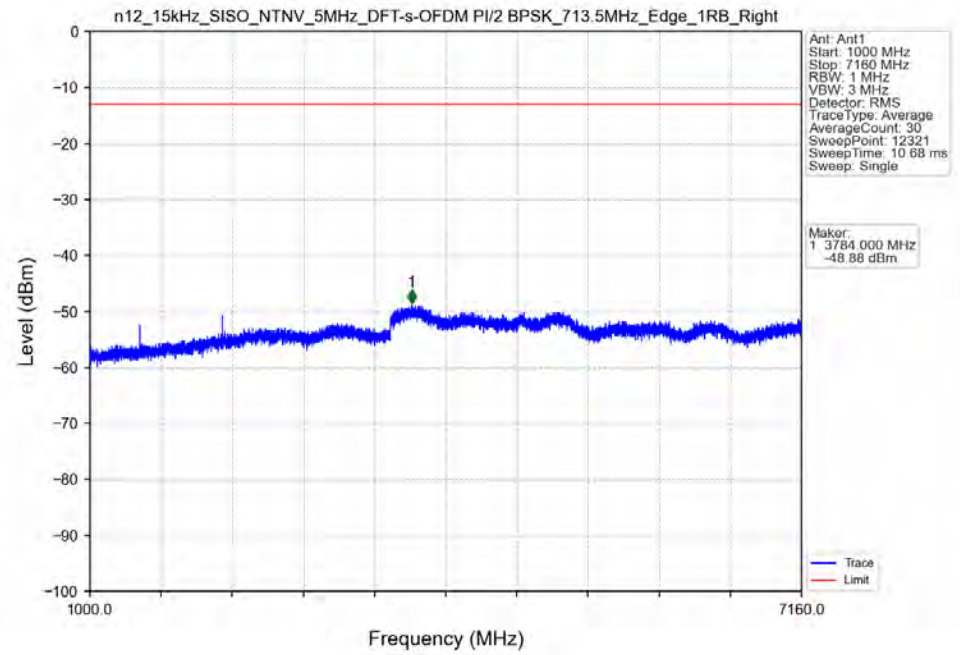

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n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Outer_Full

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-30.09	-13	Pass
716.1	721	0.1	CHP	2	716.160	-35.32	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM PI/2 BPSK_713.5MHz_Inner_1RB_Right

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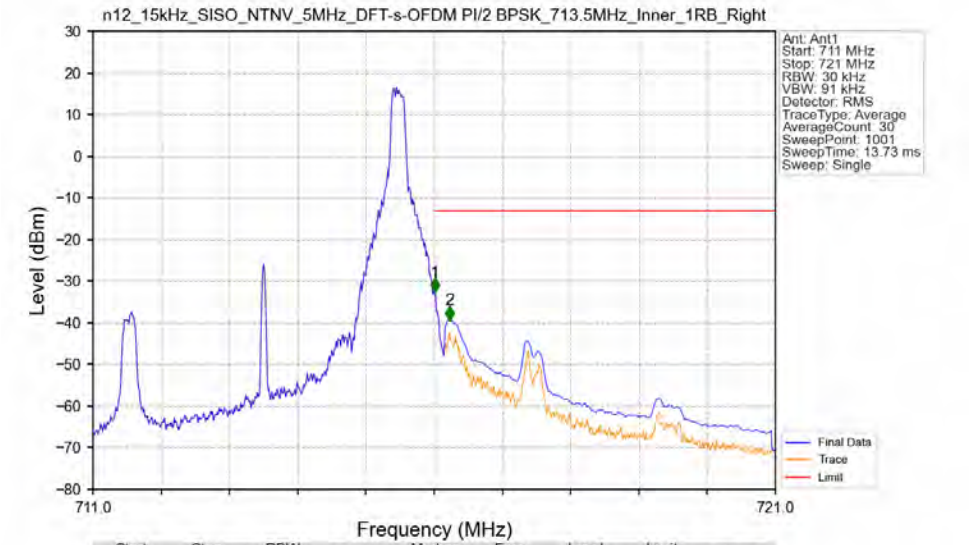

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-32.71	-13	Pass
716.1	721	0.1	CHP	2	716.230	-39.37	-13	Pass

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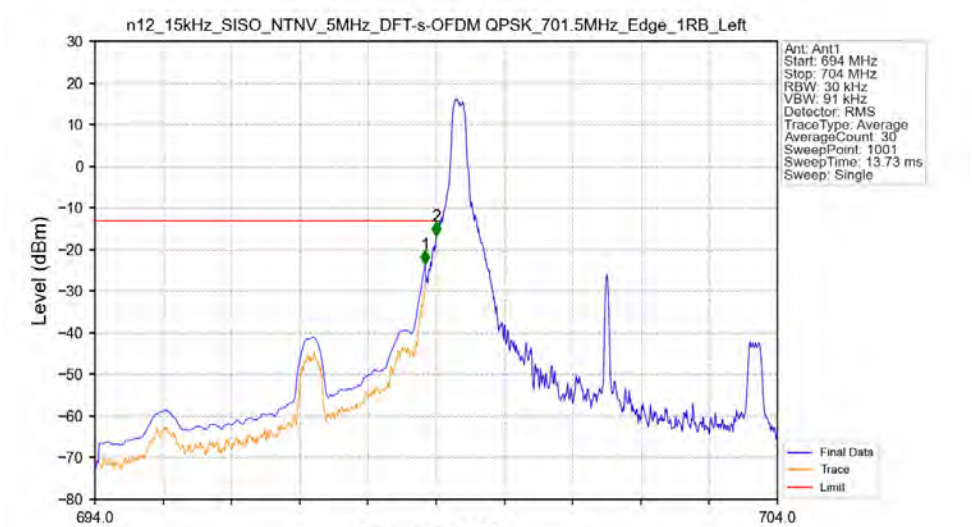
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_701.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-23.58	-13	Pass
698.9	699	0.03	/	2	699.000	-16.70	-13	Pass
699	704	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_701.5MHz_Edge_1RB_Left

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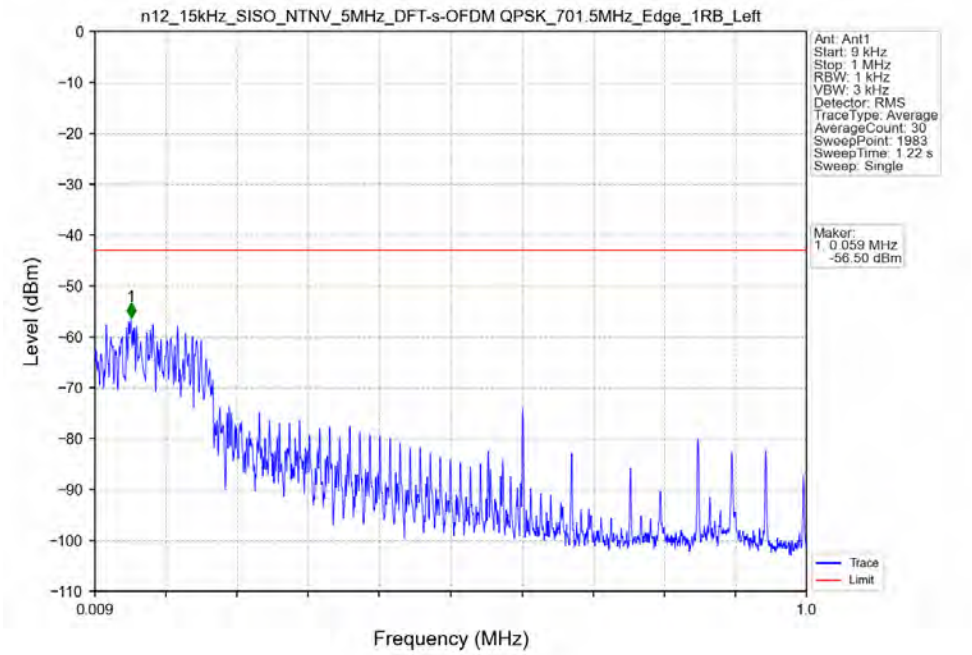

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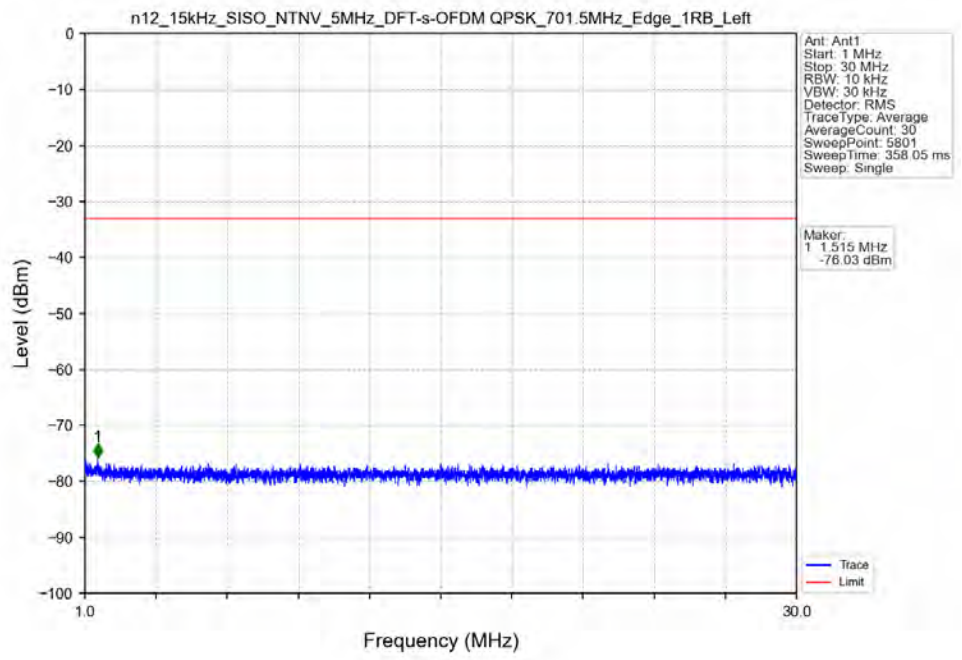

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_701.5MHz_Edge_1RB_Left

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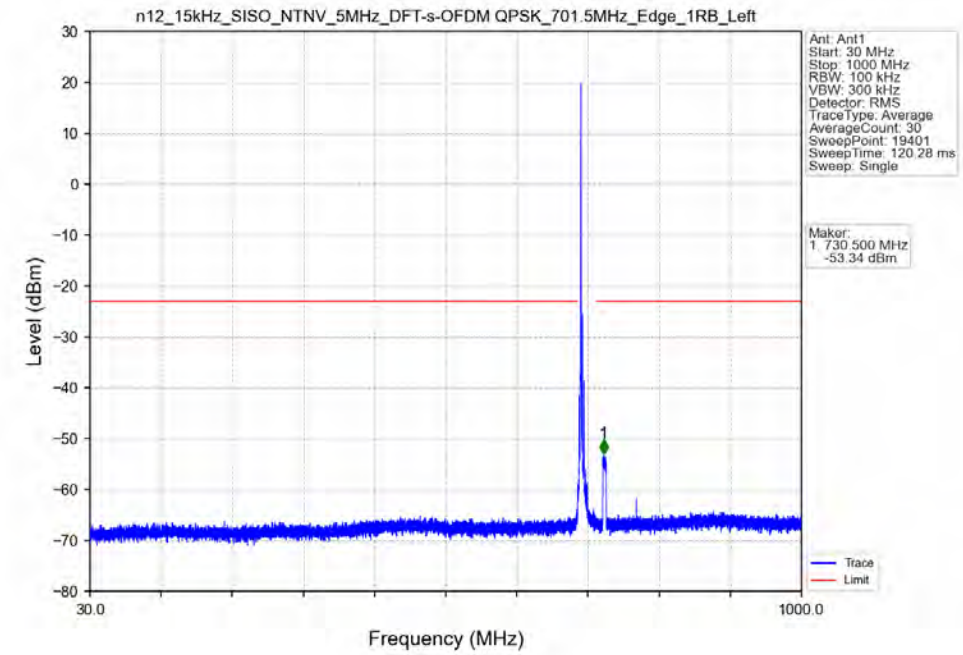

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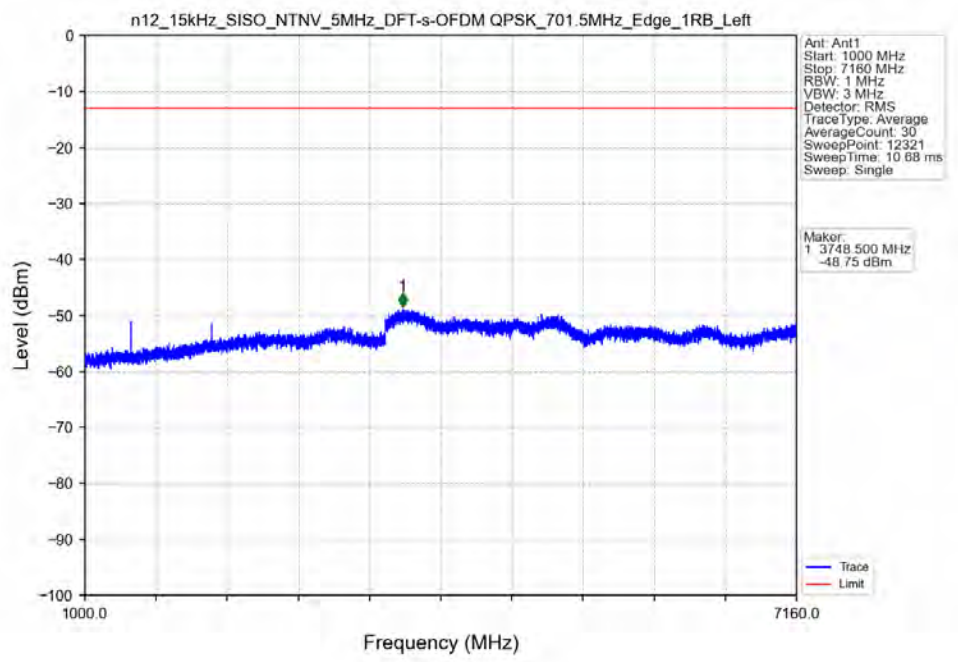
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_701.5MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_701.5MHz_Outer_Full

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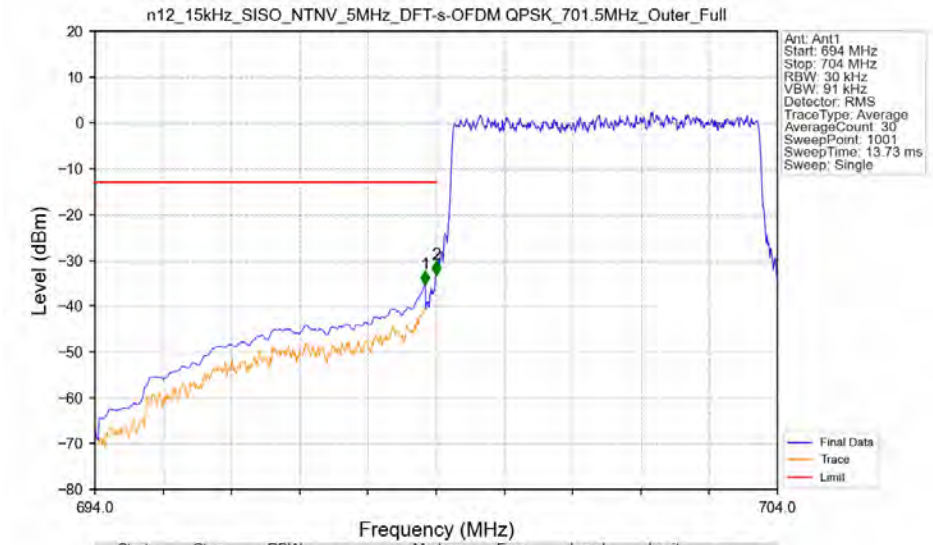

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-35.32	-13	Pass
698.9	699	0.03	/	2	699.000	-33.20	-13	Pass
699	704	0.03	/	/	/	/	/	/

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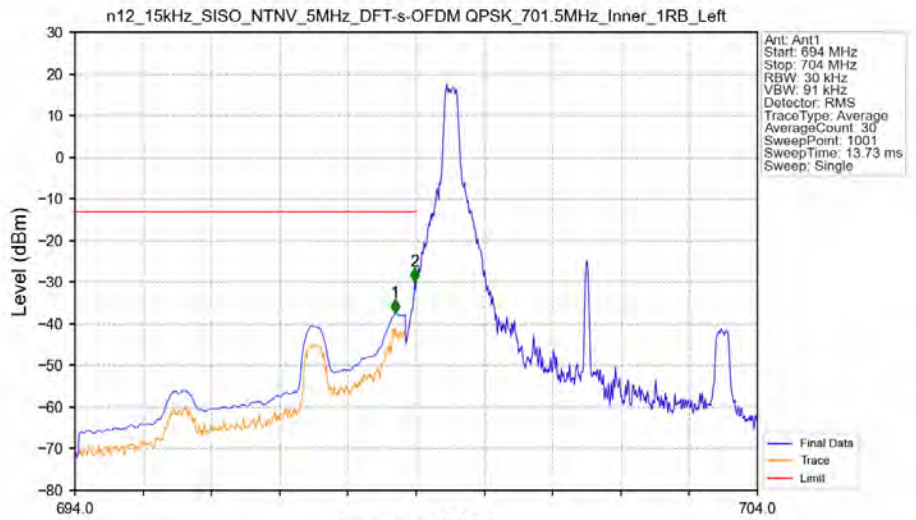

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.690	-37.44	-13	Pass
698.9	699	0.03	/	2	698.980	-29.87	-13	Pass
699	704	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_707.5MHz_Edge_1RB_Left

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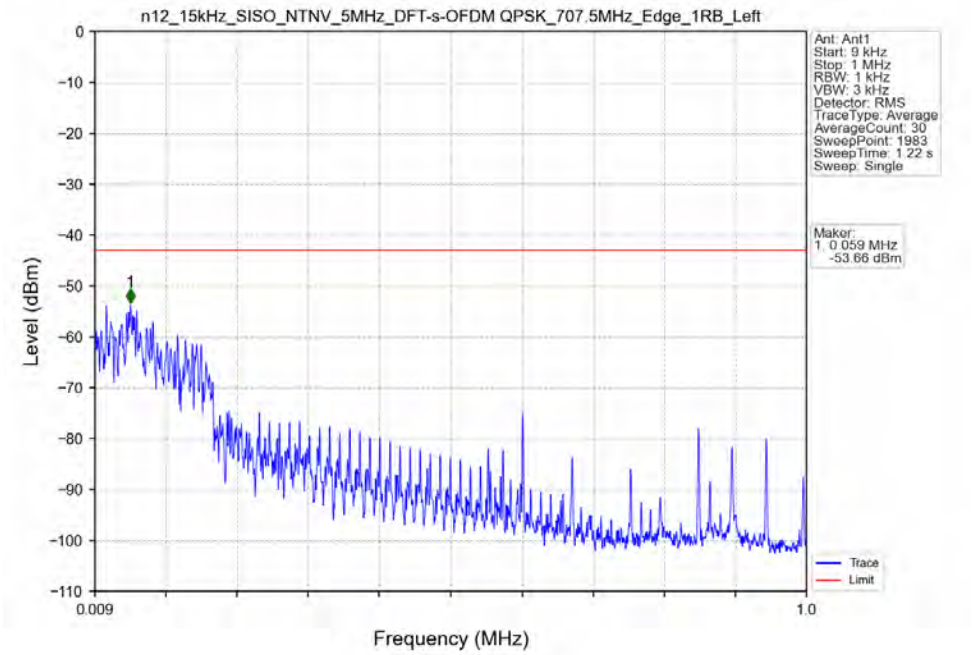
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01
Page: 214 of 353



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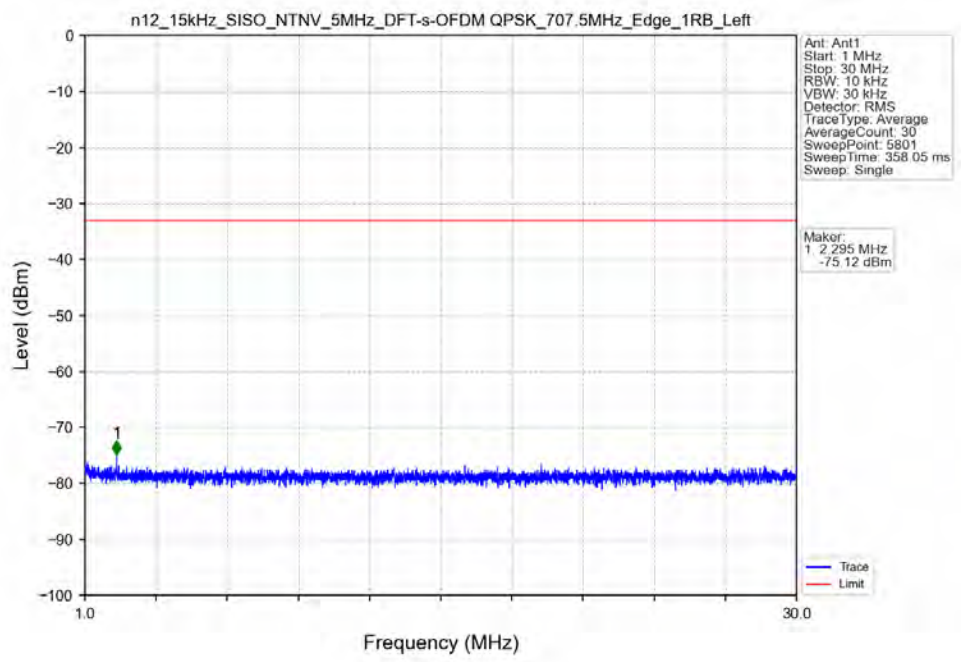
中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_707.5MHz_Edge_1RB_Left



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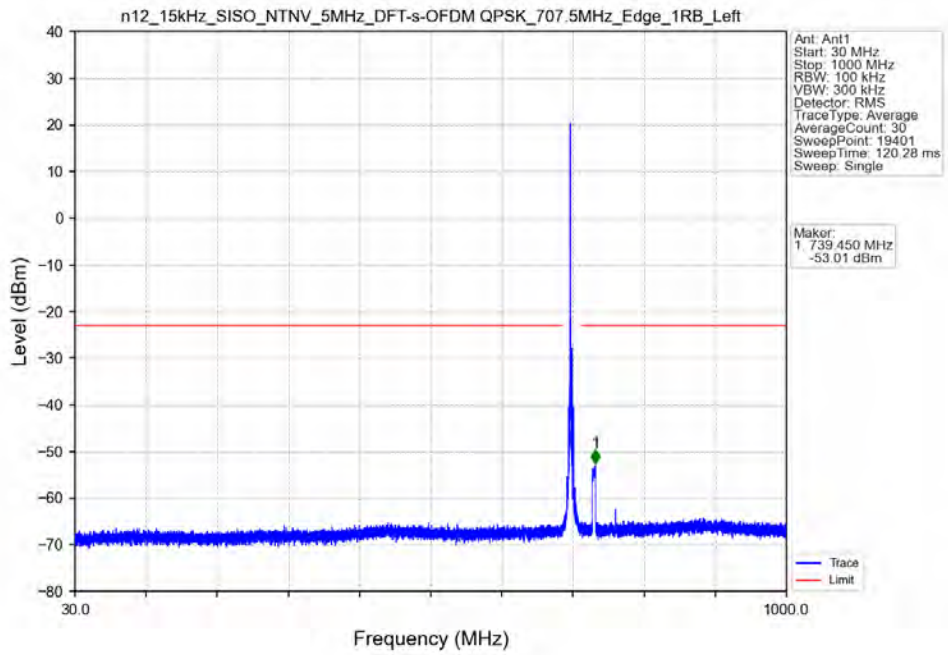

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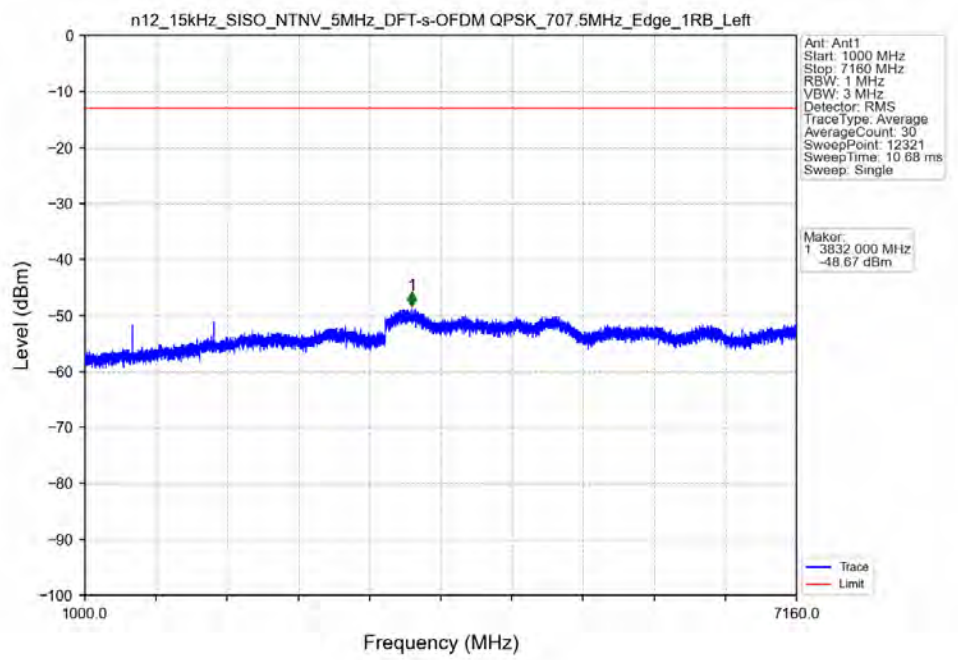

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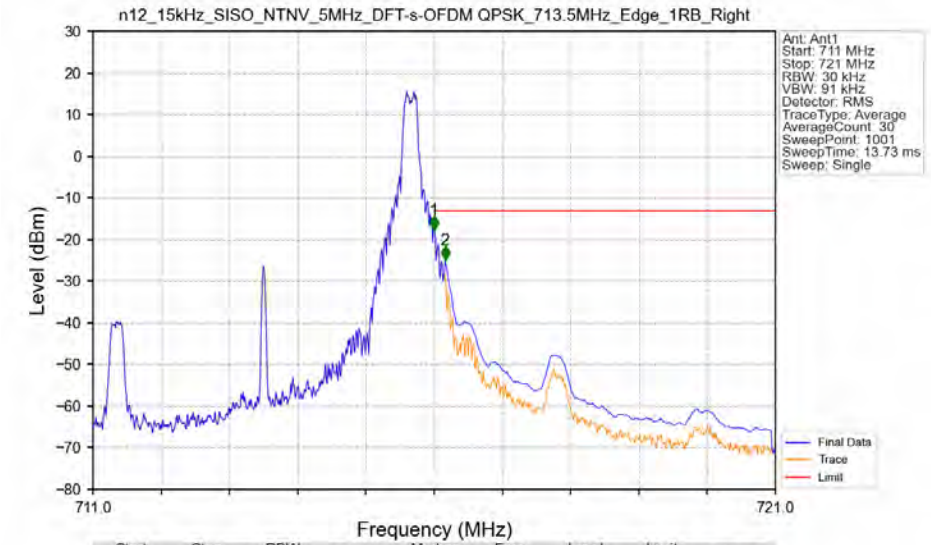

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-17.70	-13	Pass
716.1	721	0.1	CHP	2	716.160	-24.93	-13	Pass

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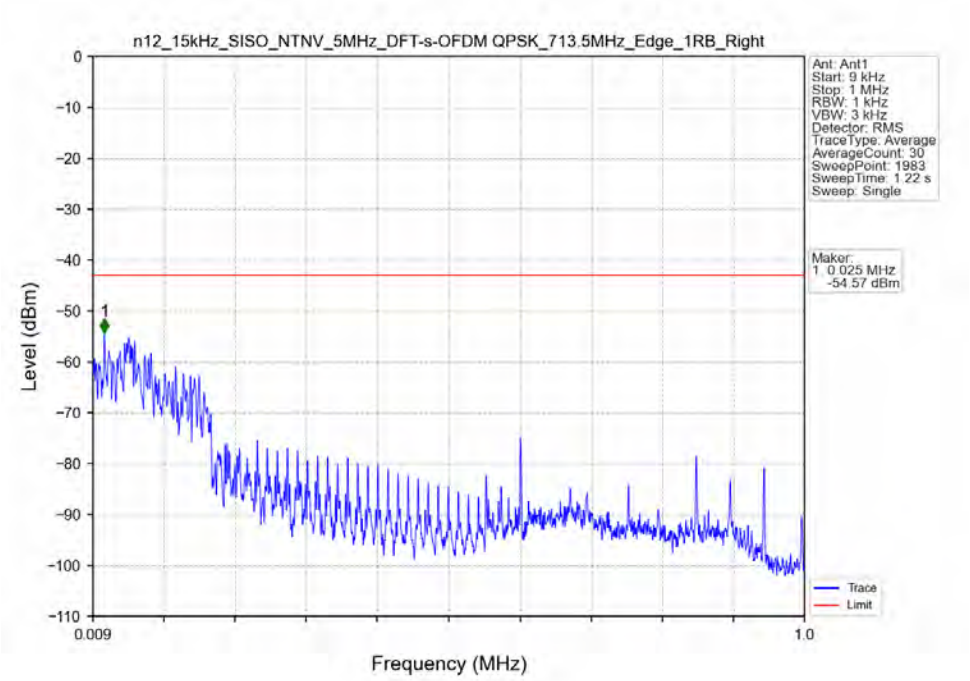

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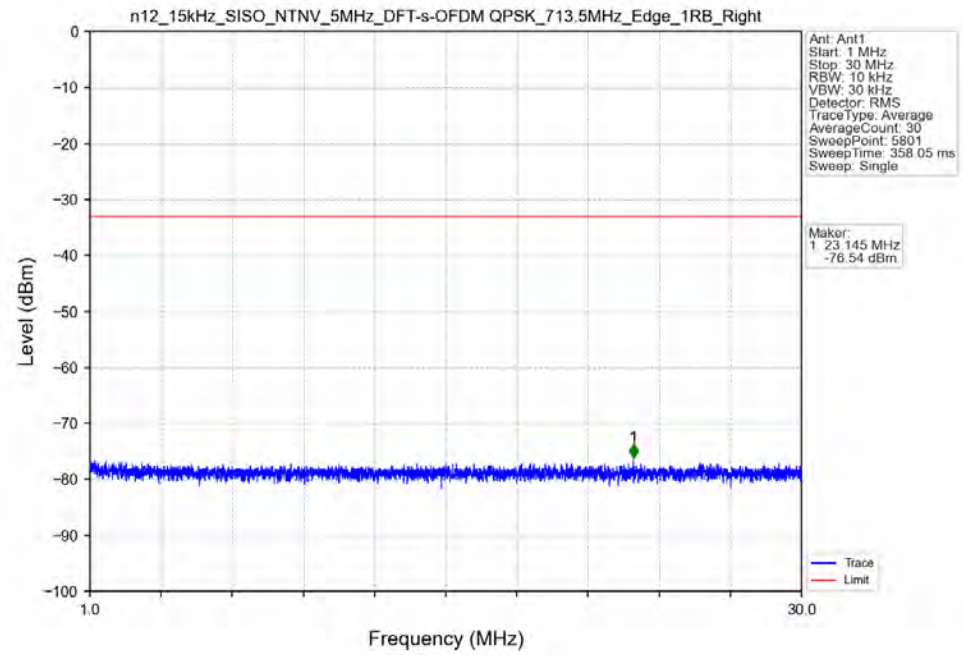

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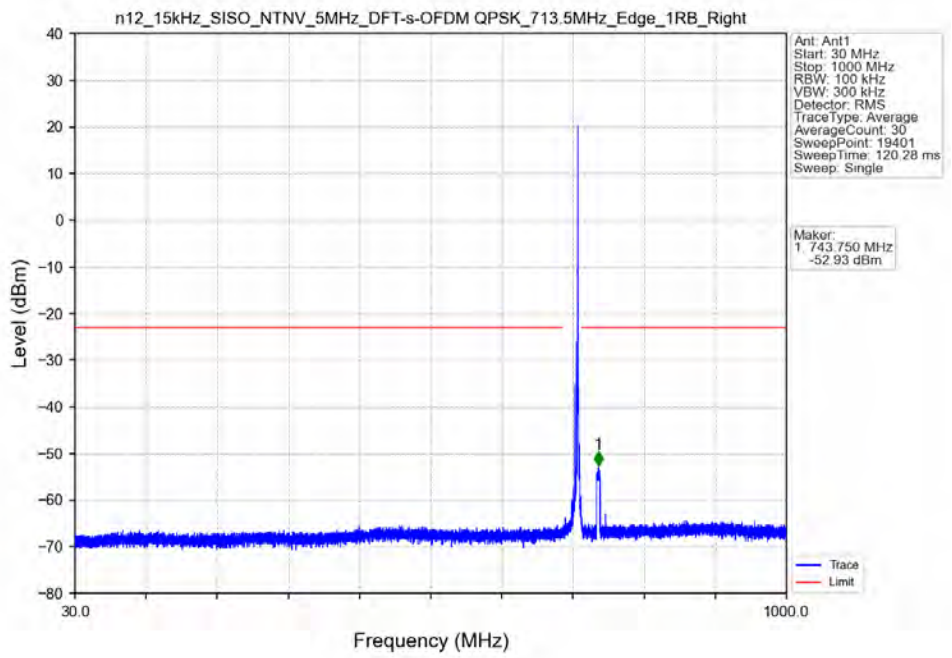

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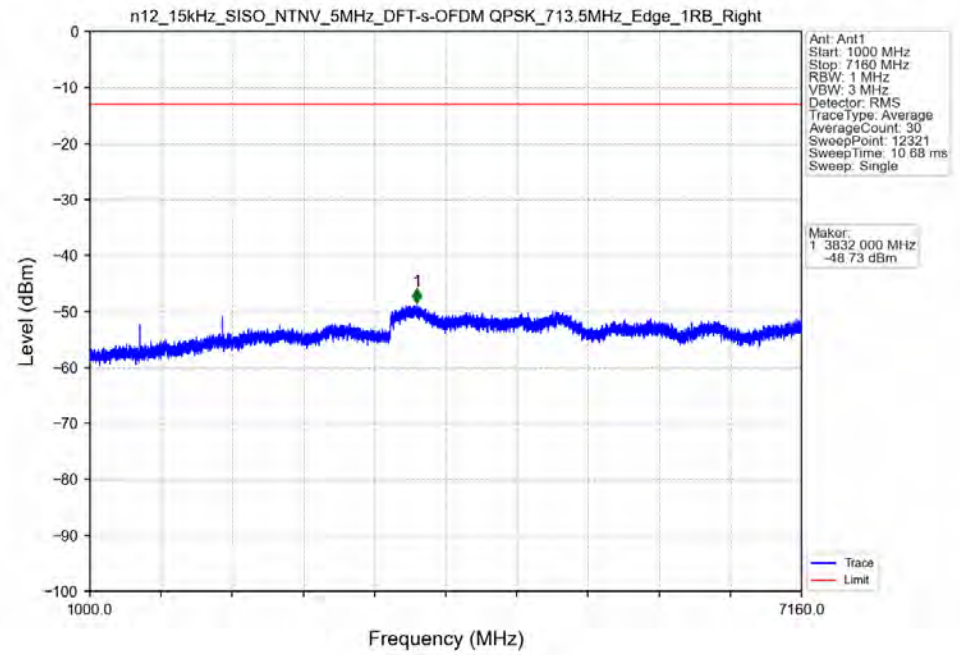

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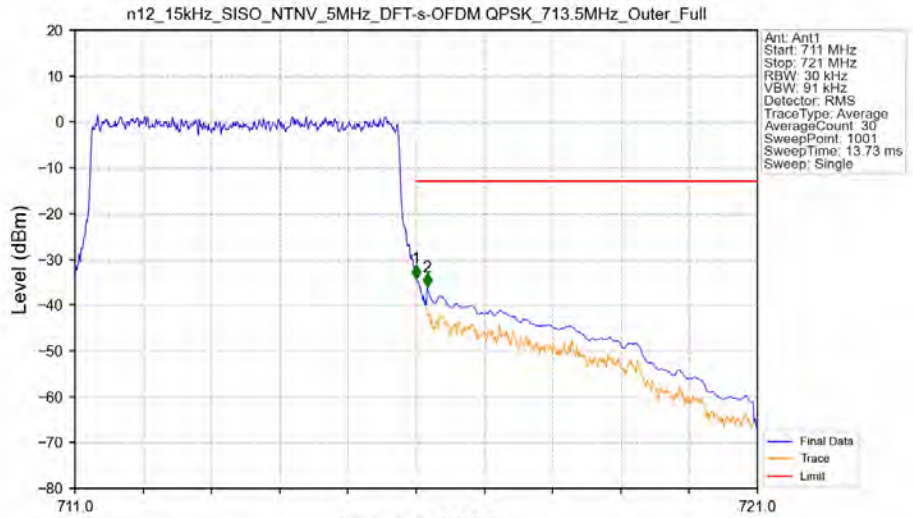
n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_713.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-34.24	-13	Pass
716.1	721	0.1	CHP	2	716.160	-36.12	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_DFT-s-OFDM QPSK_713.5MHz_Inner_1RB_Right

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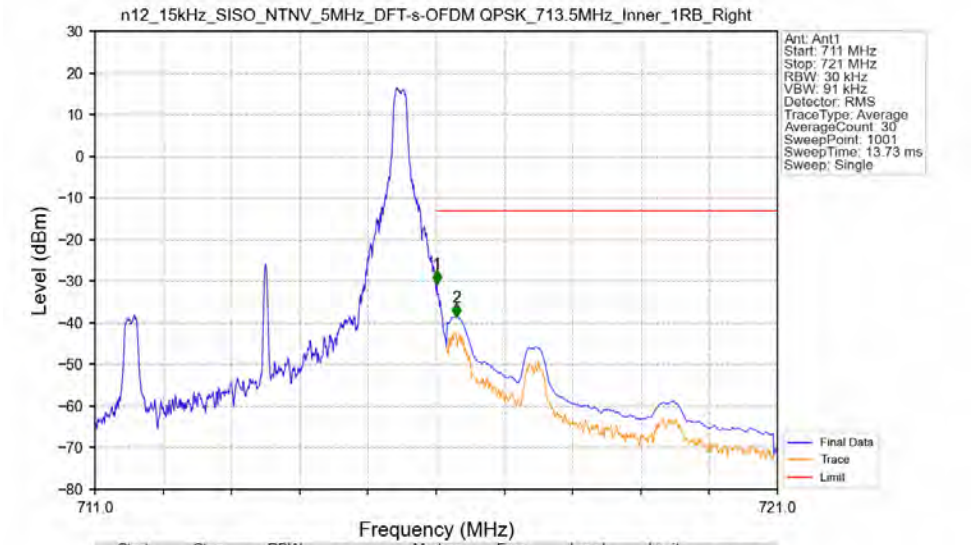

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-30.78	-13	Pass
716.1	721	0.1	CHP	2	716.300	-38.62	-13	Pass

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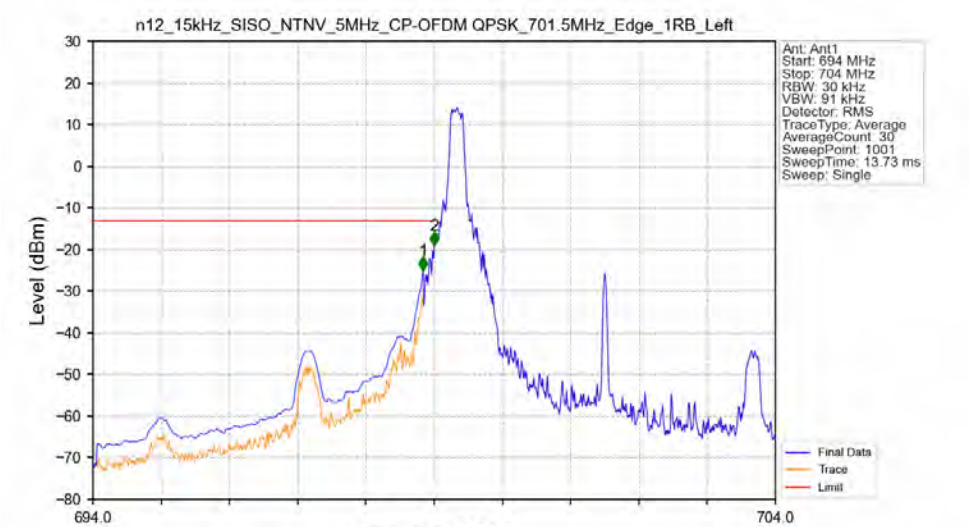
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_701.5MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-25.15	-13	Pass
698.9	699	0.03	/	2	699.000	-19.10	-13	Pass
699	704	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_701.5MHz_Edge_1RB_Left

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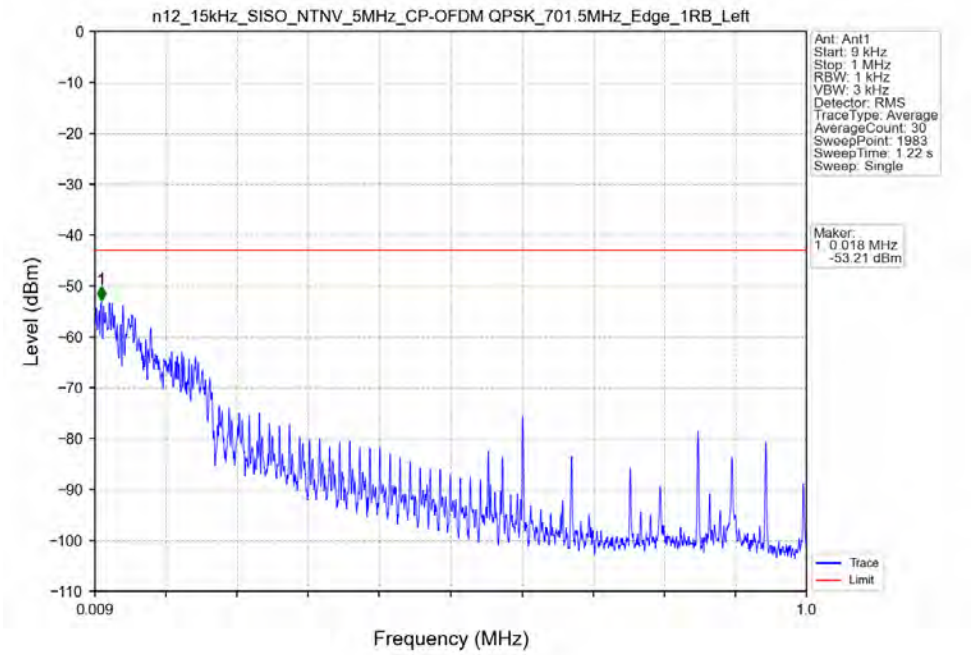

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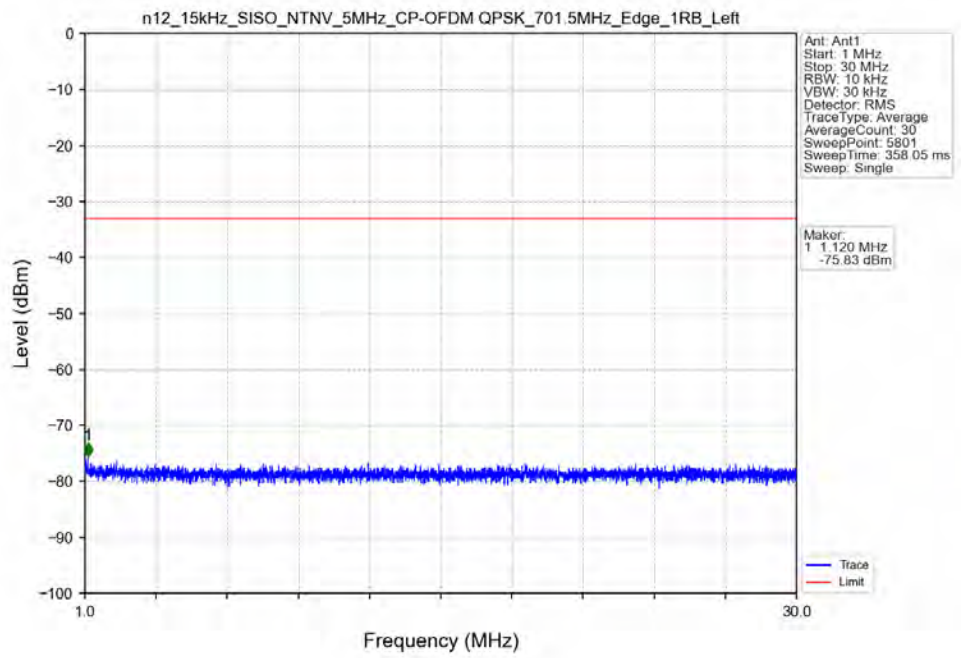

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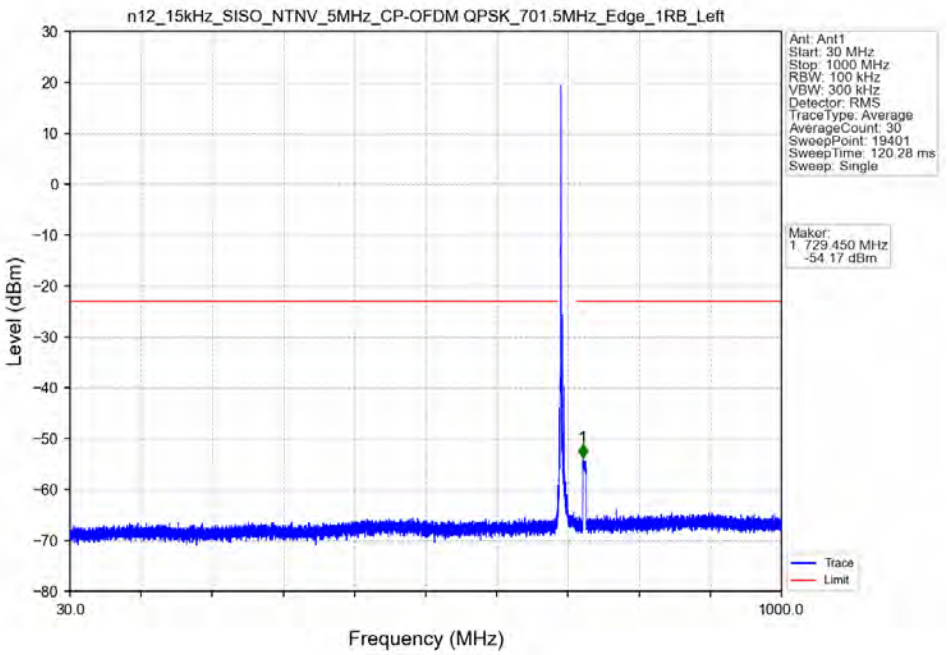

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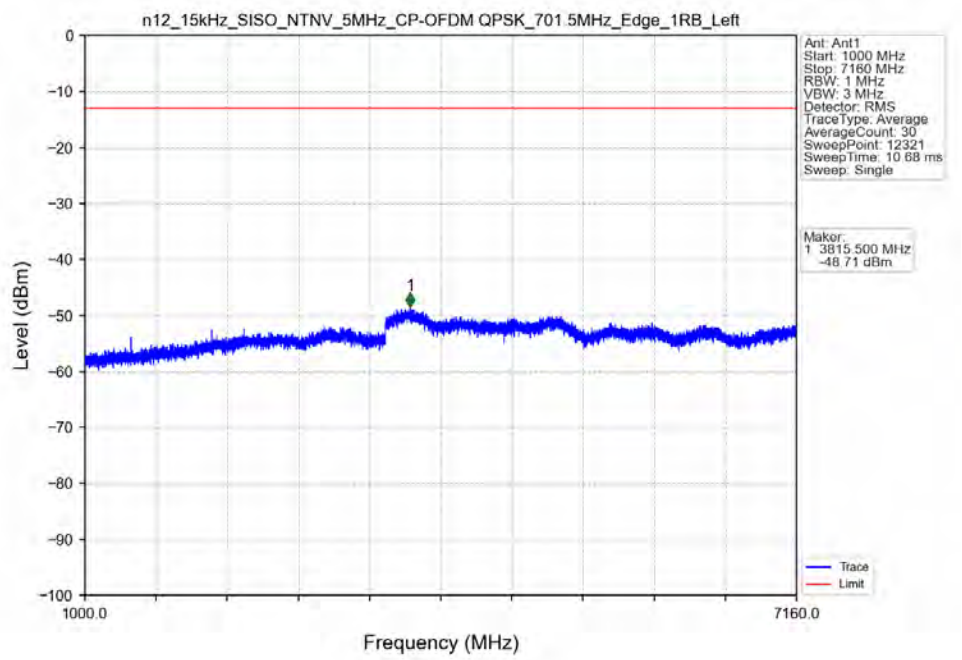

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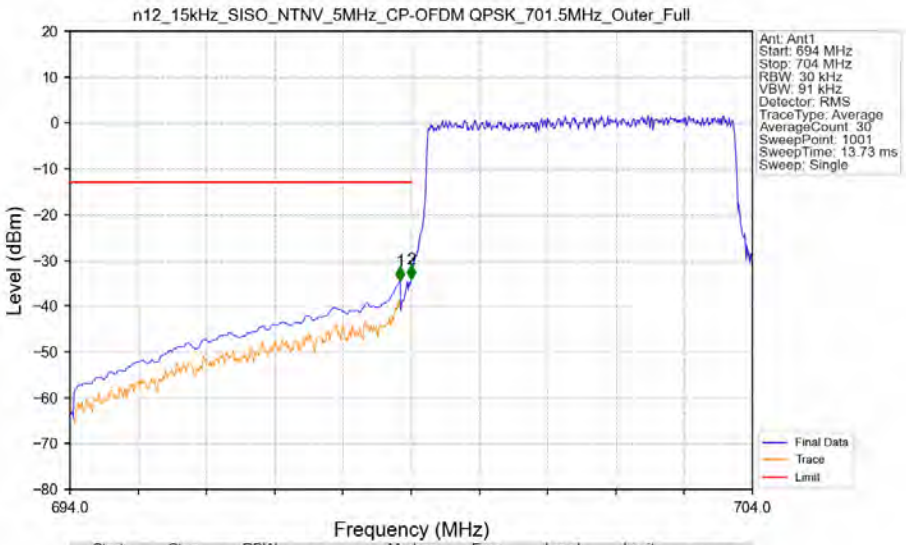

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-34.56	-13	Pass
698.9	699	0.03	/	2	699.000	-34.13	-13	Pass
699	704	0.03	/	/	/	/	/	/

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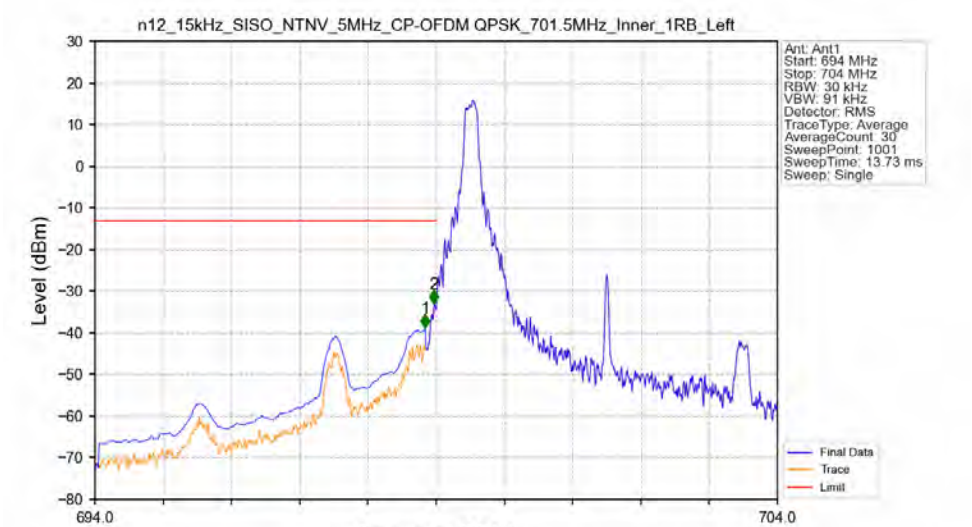
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_701.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.840	-38.96	-13	Pass
698.9	699	0.03	/	2	698.970	-33.13	-13	Pass
699	704	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left

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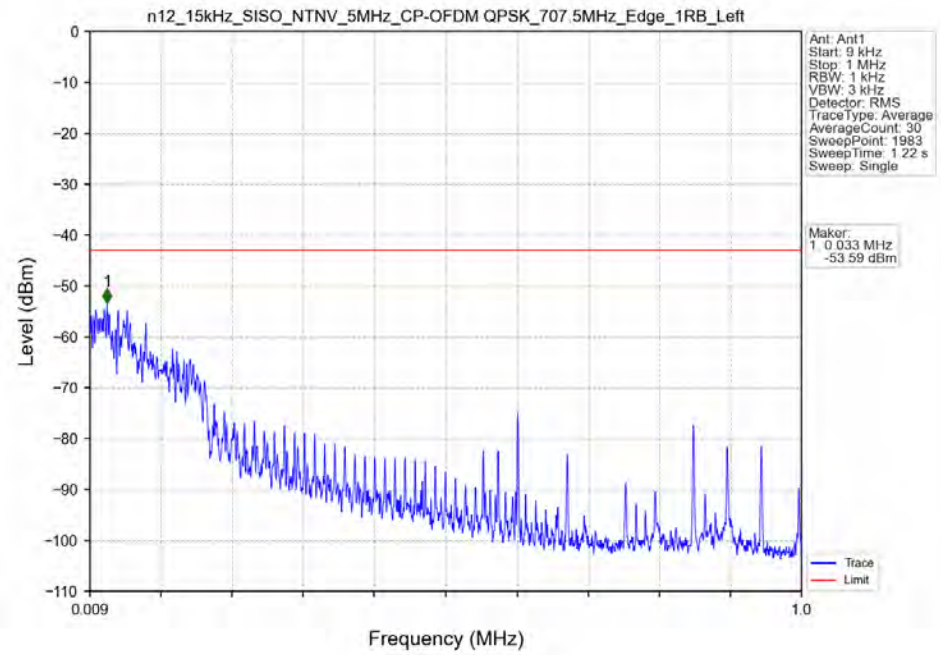

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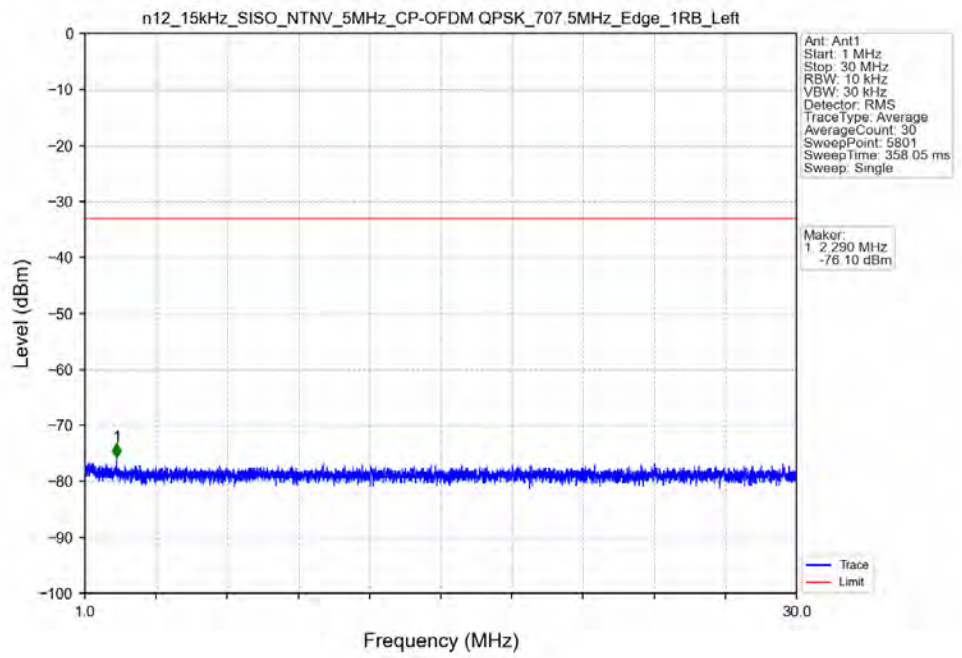
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left

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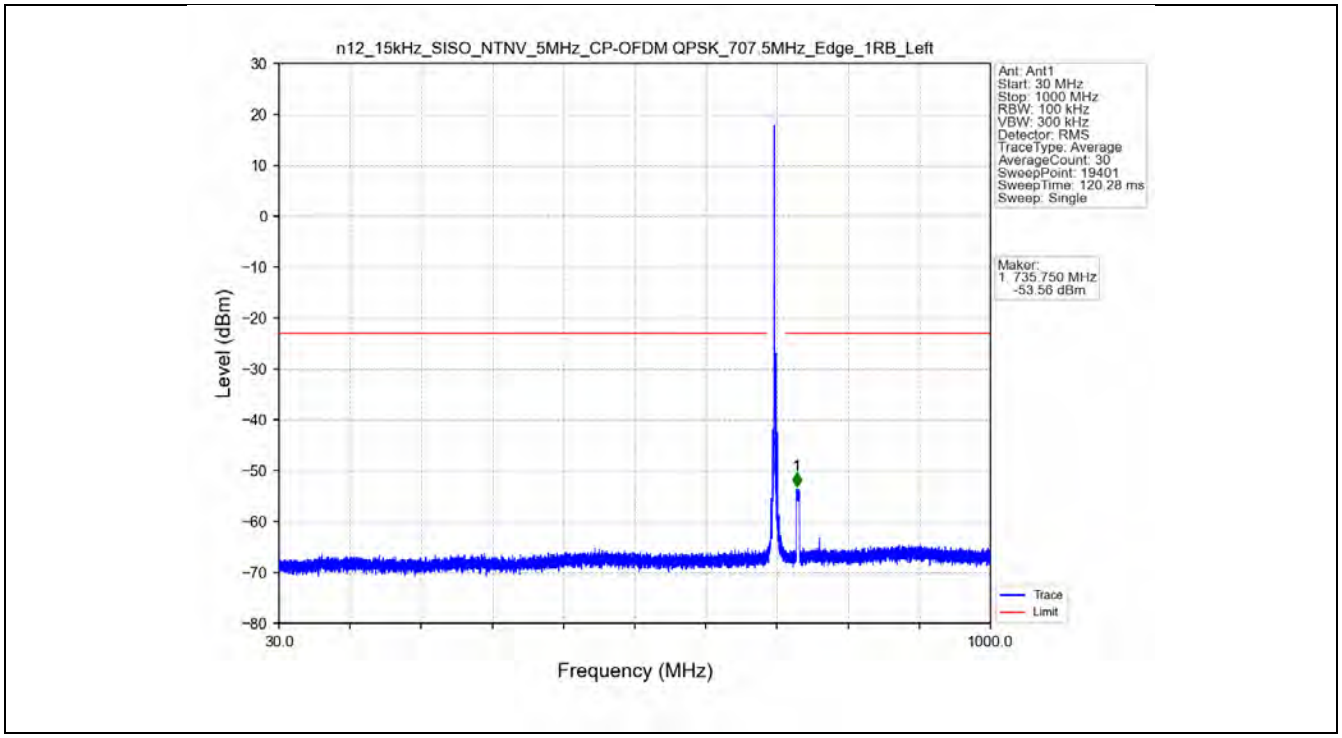

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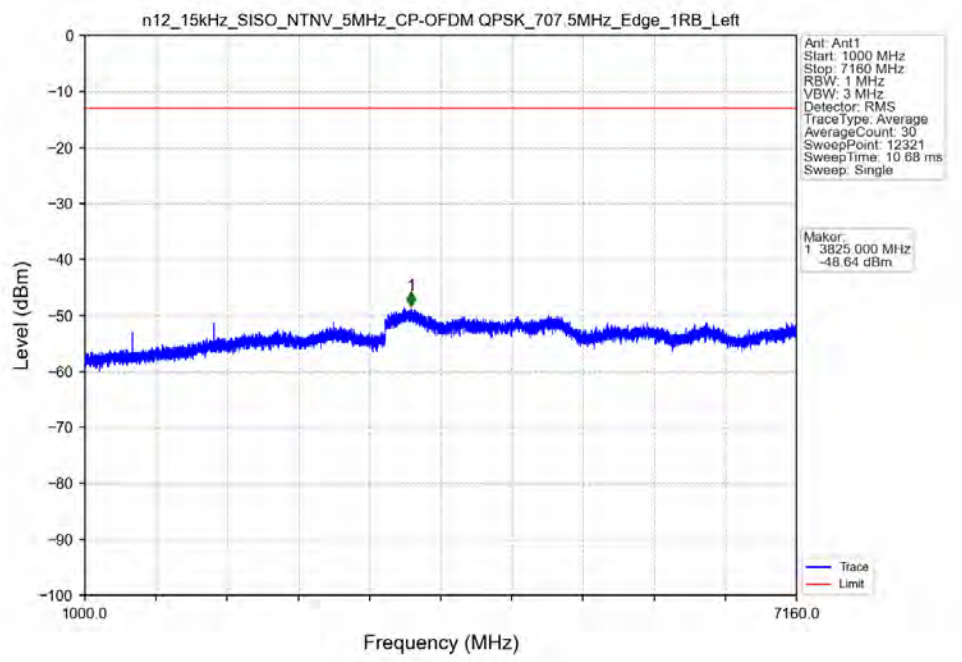
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Edge_1RB_Right

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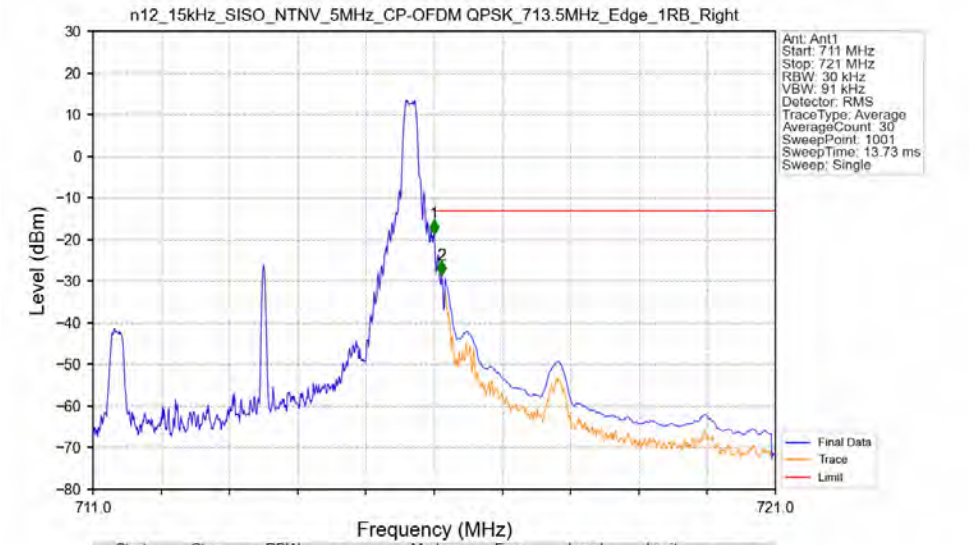

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-18.60	-13	Pass
716.1	721	0.1	CHP	2	716.110	-28.63	-13	Pass

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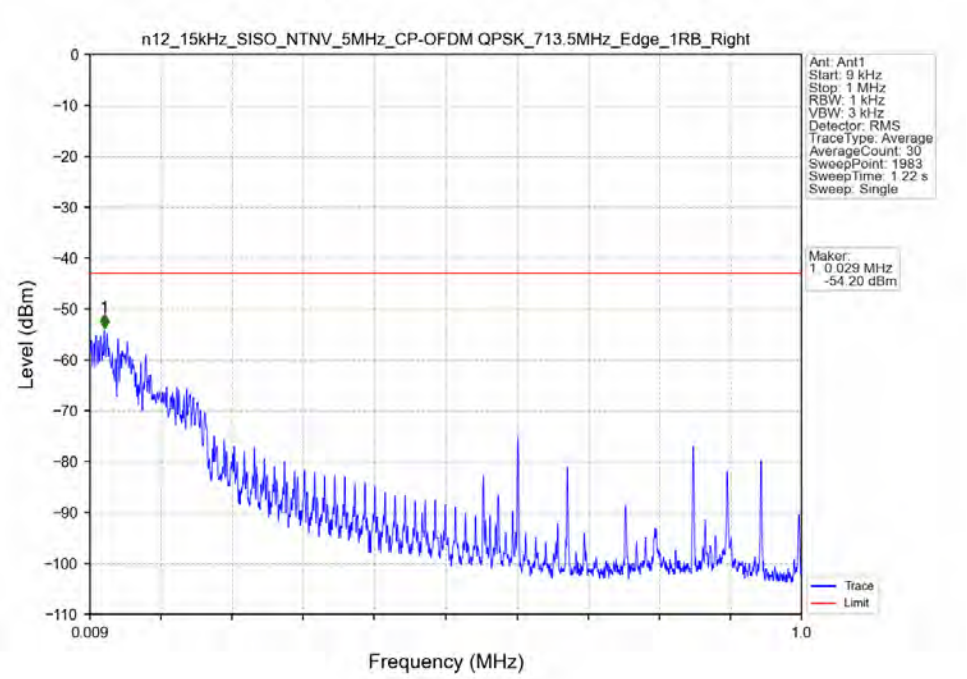

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Edge_1RB_Right

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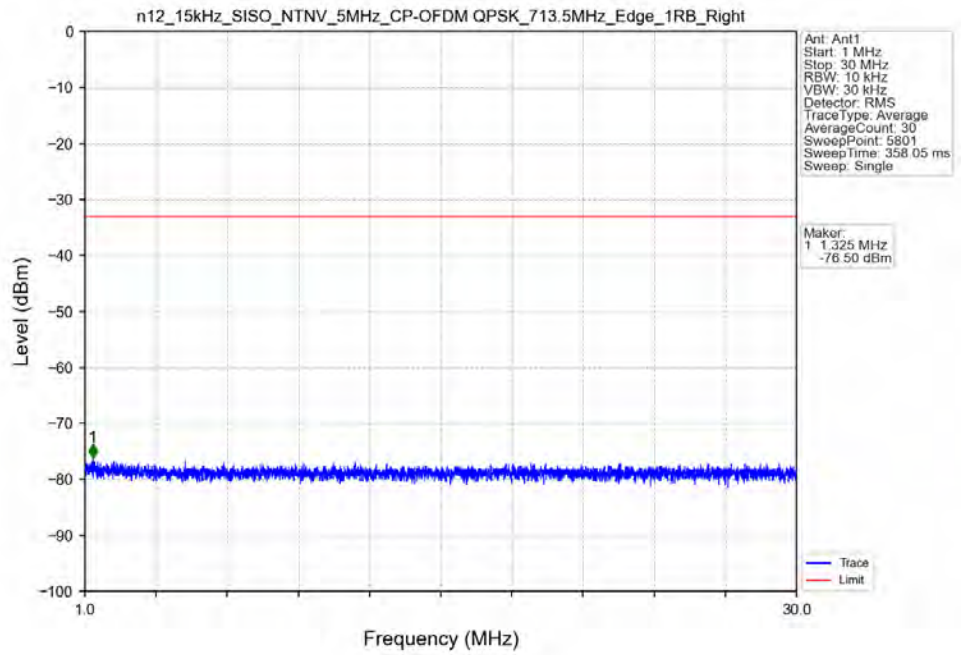

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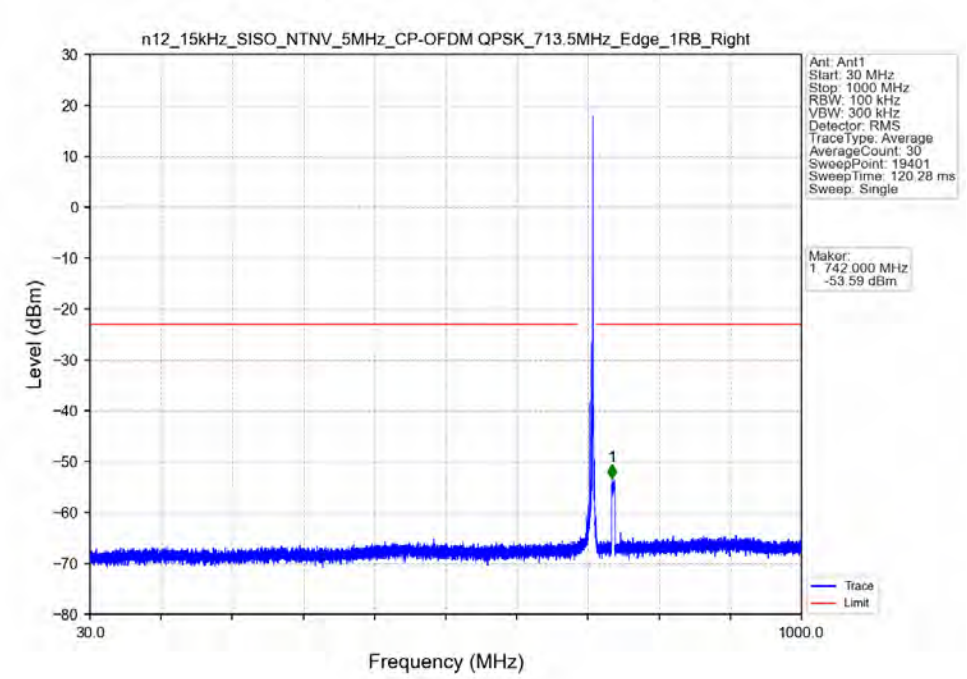
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Edge_1RB_Right



n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Edge_1RB_Right

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Shenzhen Branch

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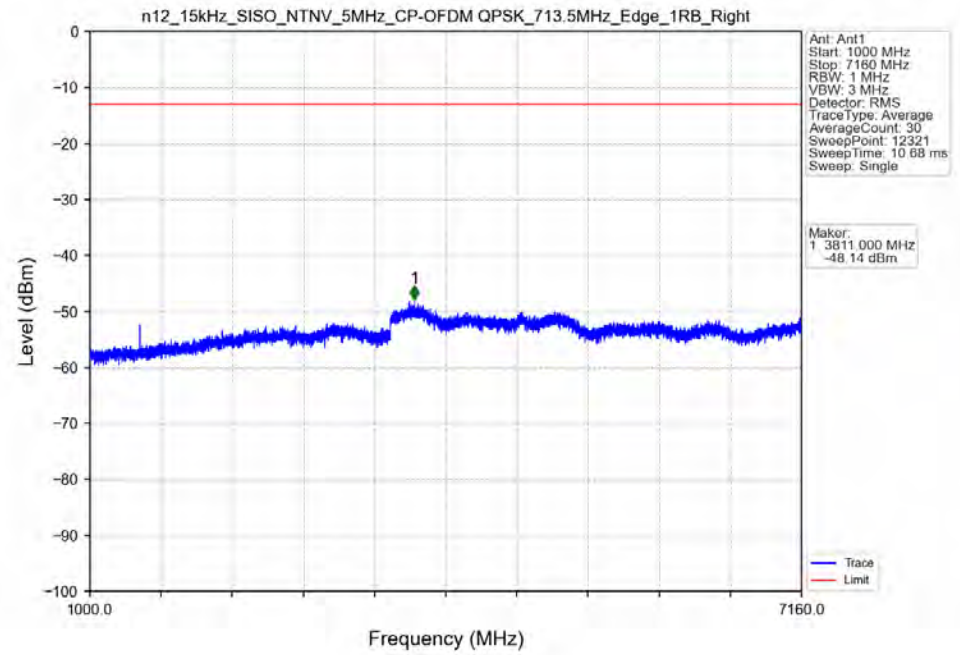
Rev.: 01
Page: 240 of 353



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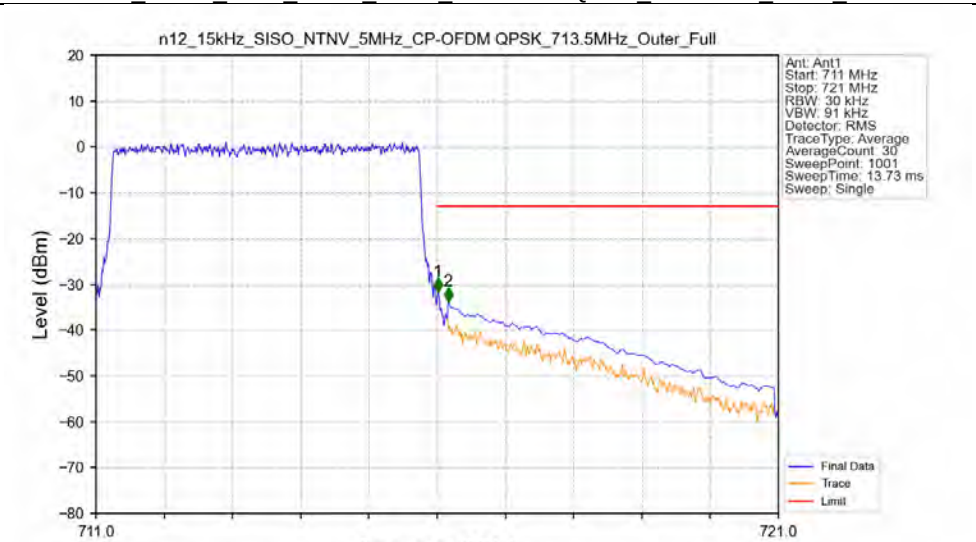
n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-31.61	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.71	-13	Pass

n12_15kHz_SISO_NTNV_5MHz_CP-OFDM QPSK_713.5MHz_Inner_1RB_Right

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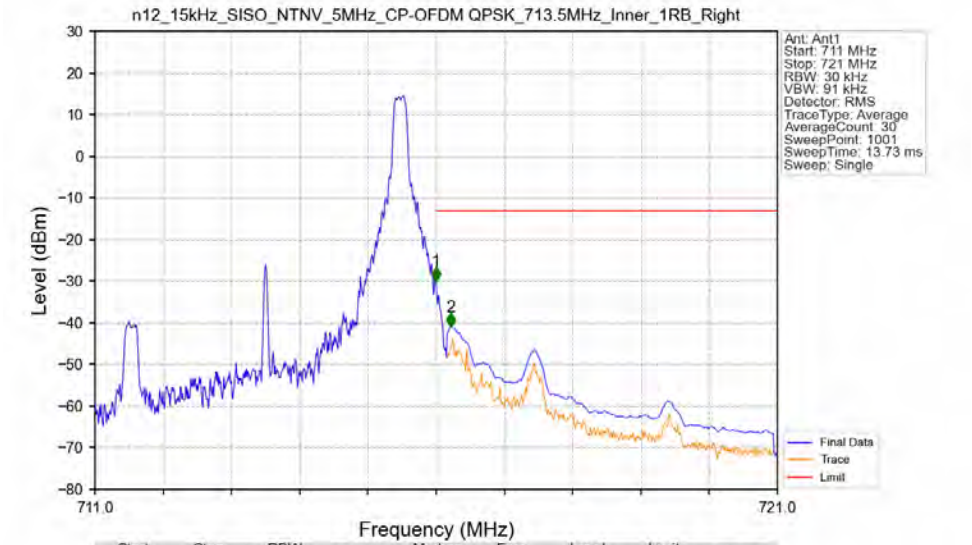
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01
Page: 242 of 353



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-29.97	-13	Pass
716.1	721	0.1	CHP	2	716.210	-40.95	-13	Pass

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5.2 15k_SISO_10MHz_NTNV

5.2.1 Test Result

5G NR n12 SCS=15kHz SISO 10MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	704	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	711	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	704	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	711	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	704	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	711	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

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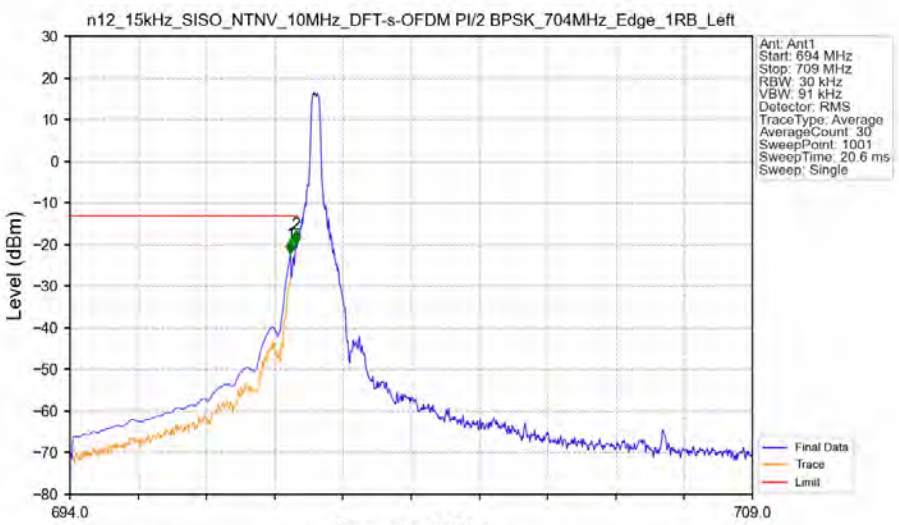
5.2.2 Test Graph

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_704MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-22.20	-13	Pass
698.9	699	0.03	/	2	698.965	-19.96	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_704MHz_Edge_1RB_Left

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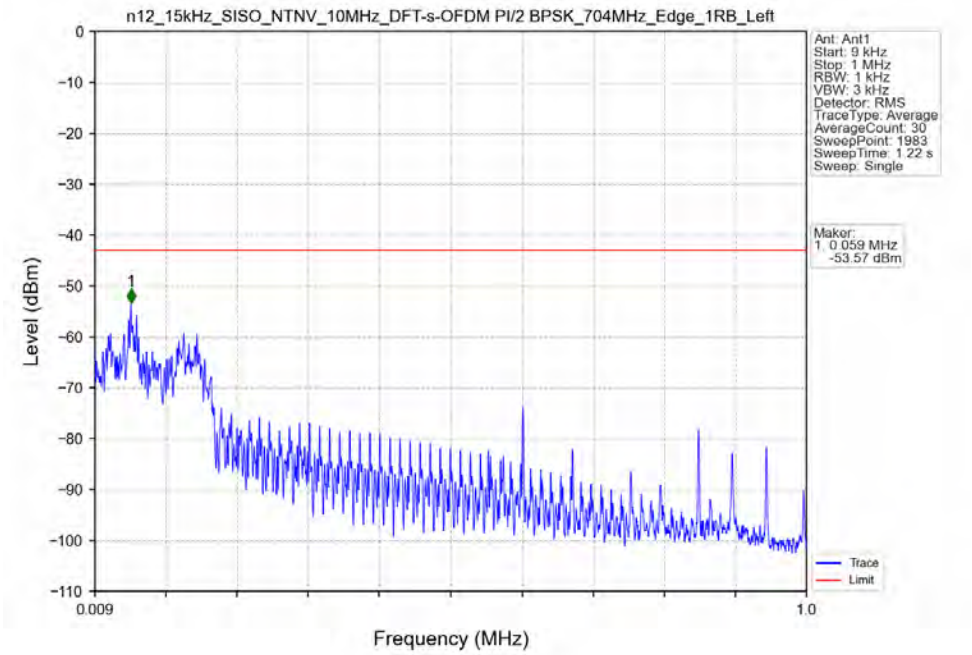

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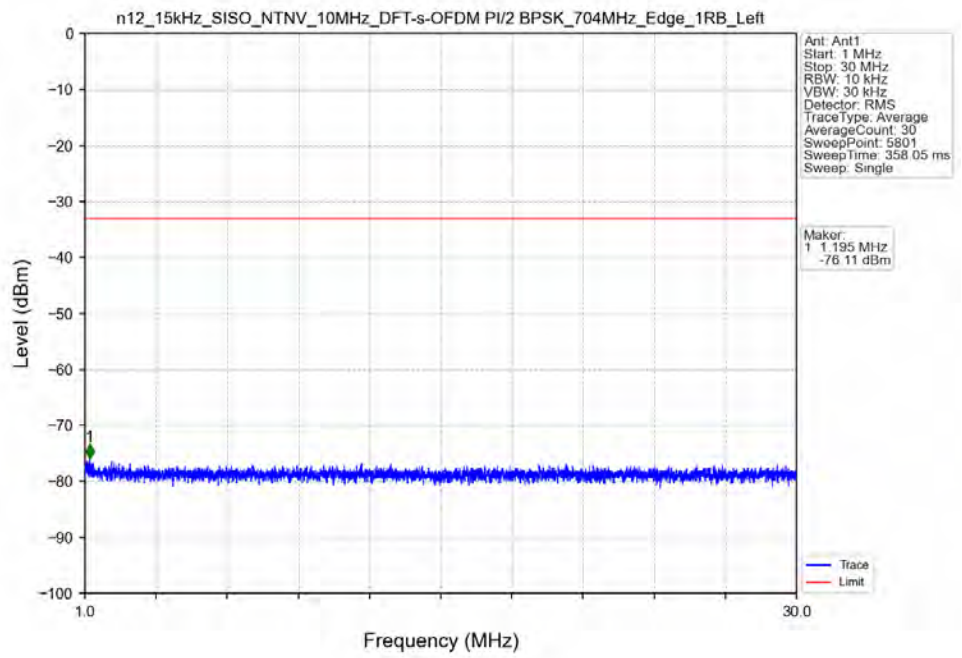

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_704MHz_Edge_1RB_Left

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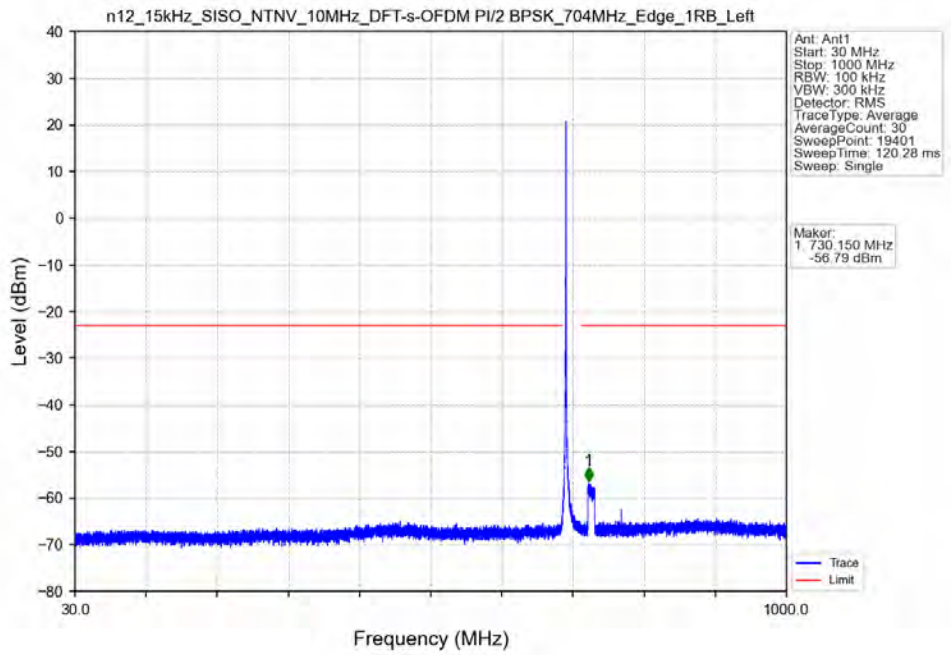

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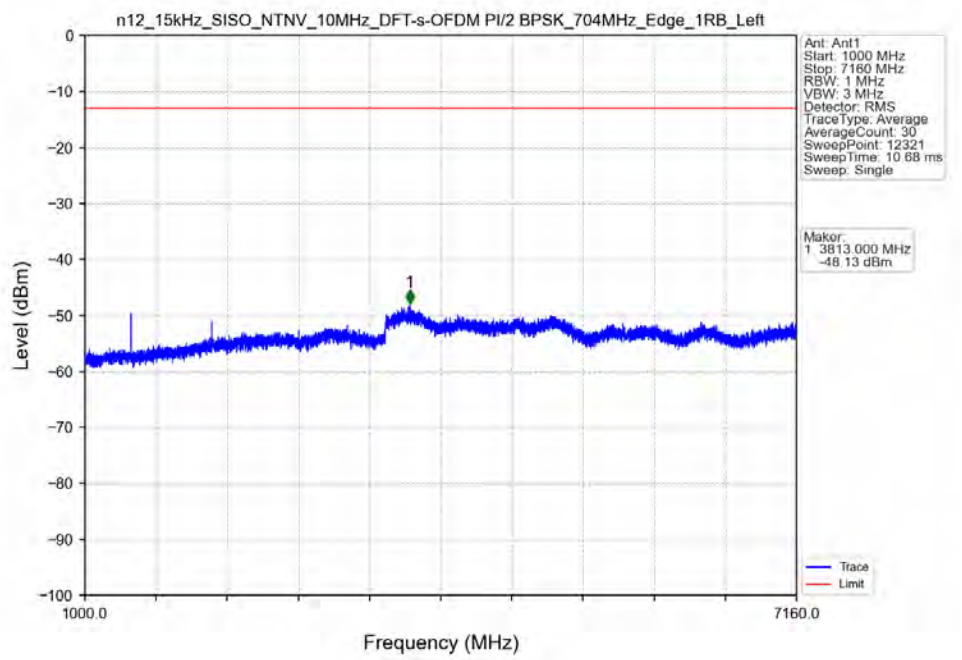
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_704MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_704MHz_Outer_Full

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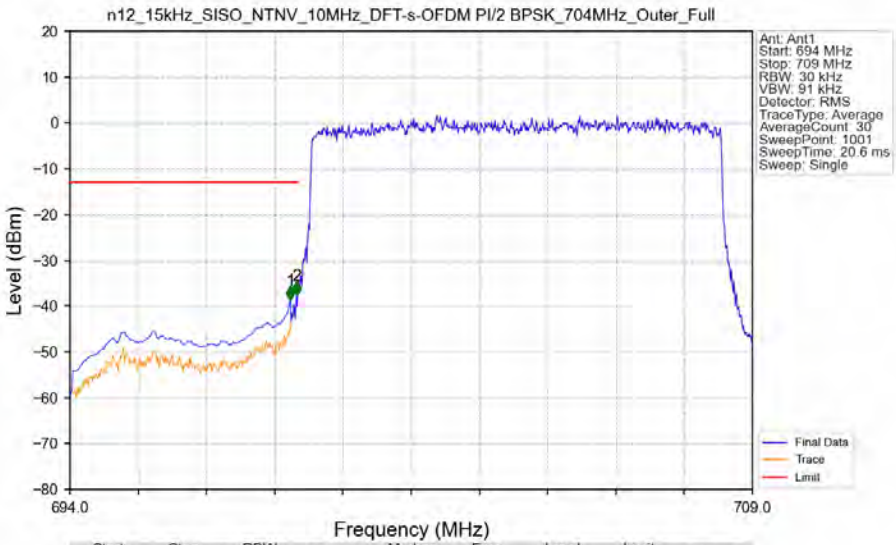

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-38.79	-13	Pass
698.9	699	0.03	/	2	698.980	-37.63	-13	Pass
699	709	0.03	/	/	/	/	/	/

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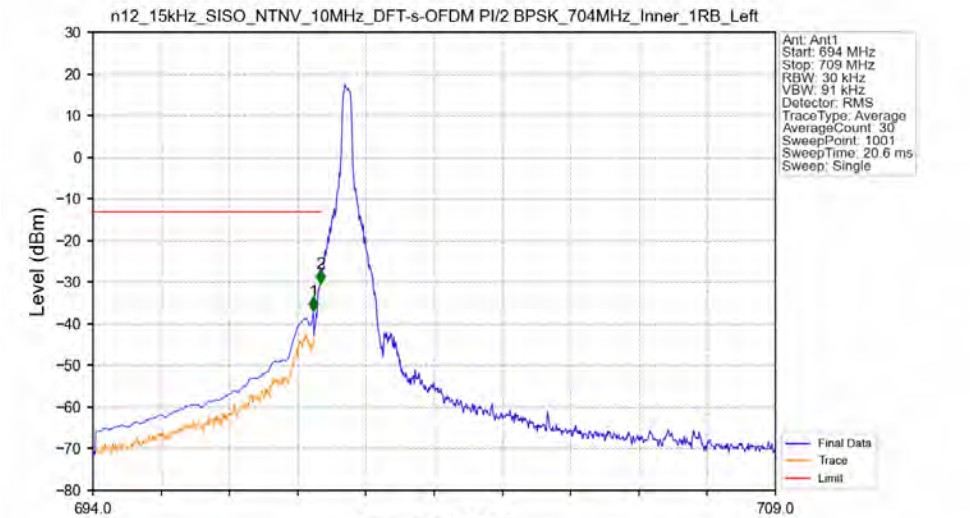

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-36.93	-13	Pass
698.9	699	0.03	/	2	698.995	-30.30	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Edge_1RB_Left

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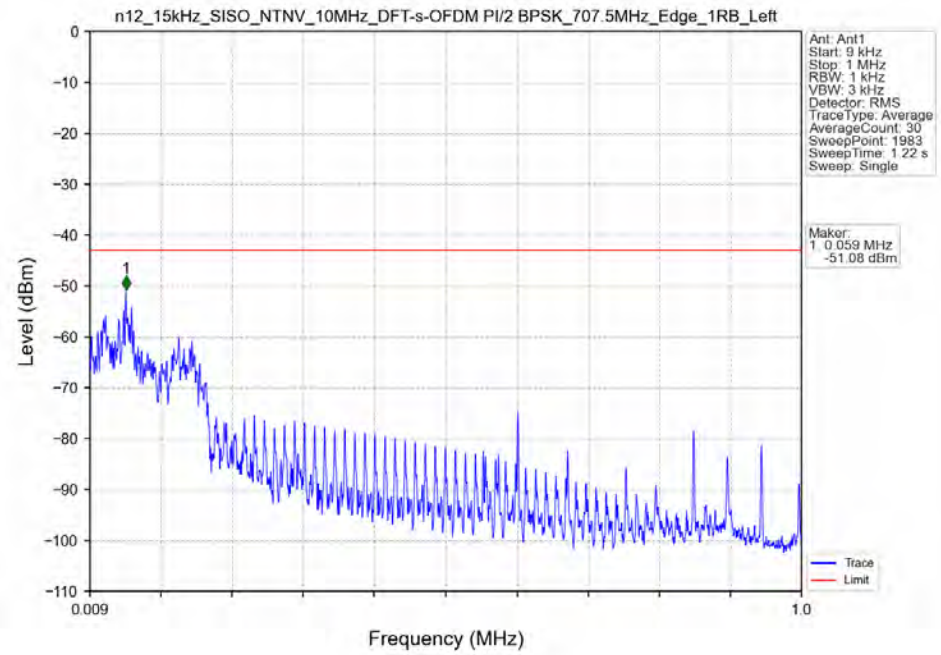
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01
Page: 251 of 353



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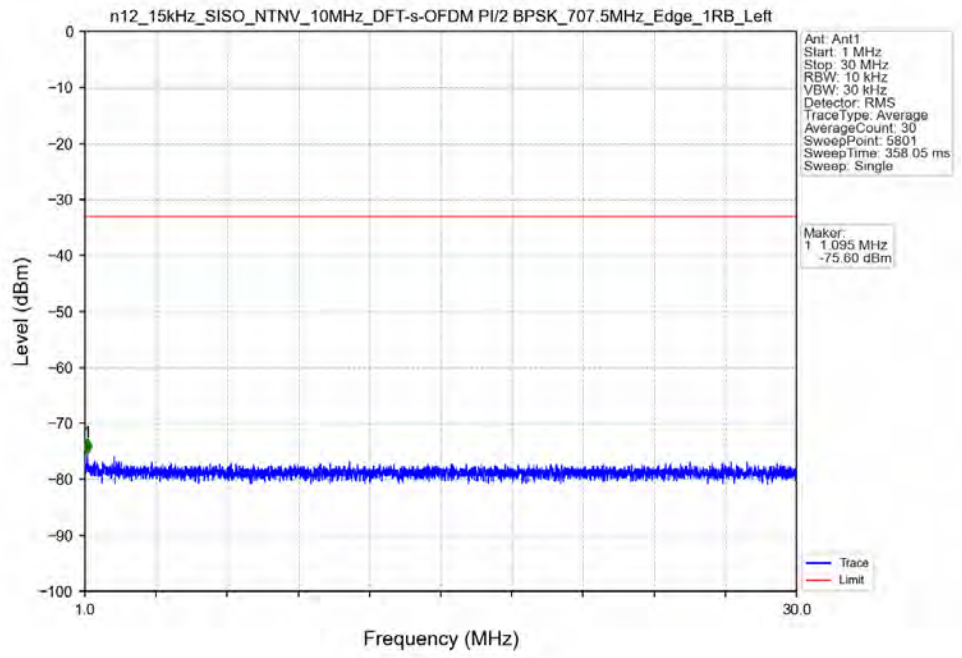

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Shenzhen Branch

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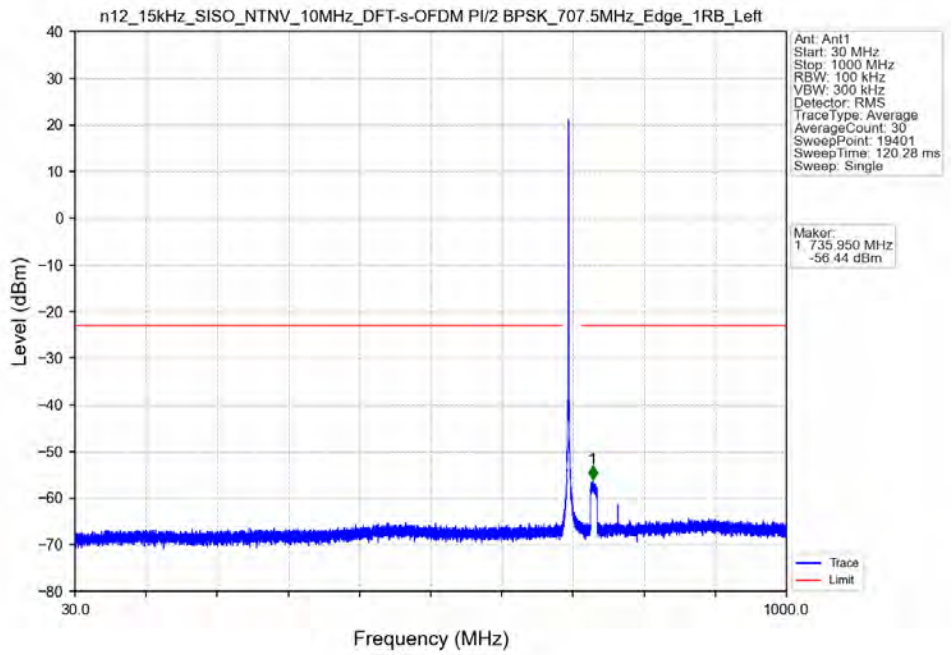
Rev.: 01
Page: 253 of 353



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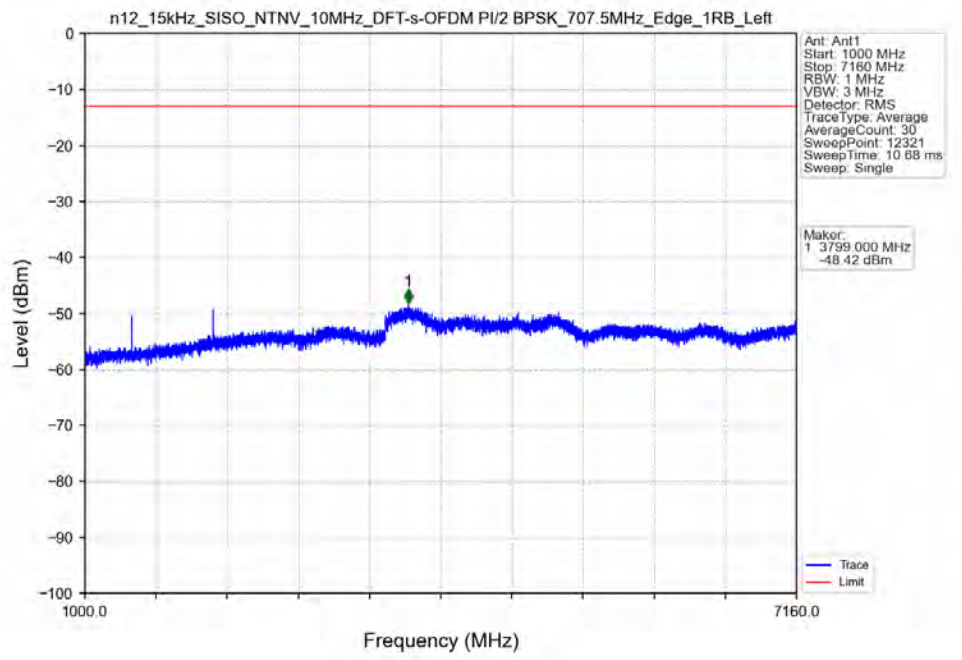

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_711MHz_Edge_1RB_Right

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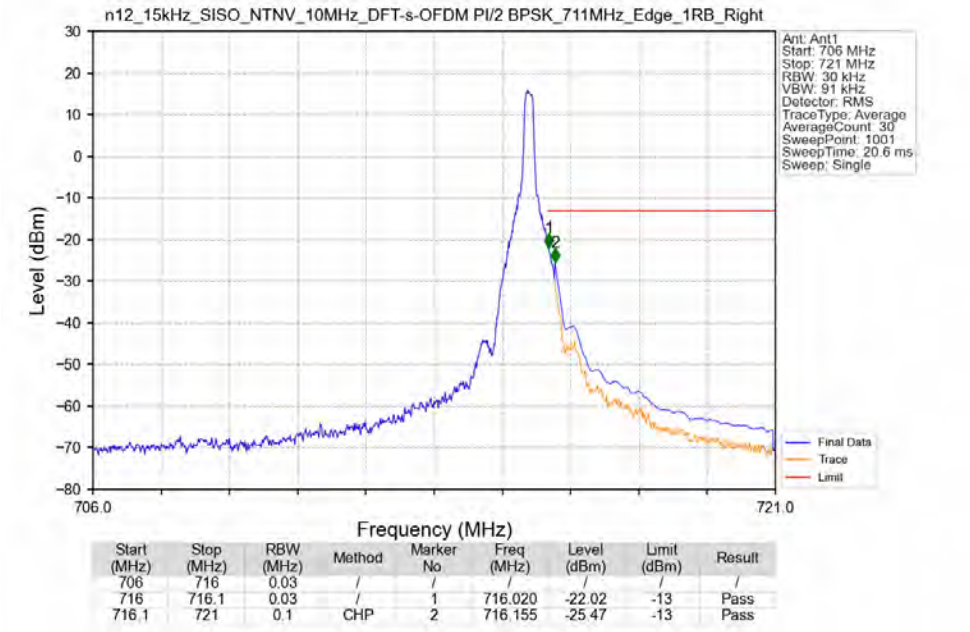

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-22.02	-13	Pass
716.1	721	0.1	CHP	2	716.155	-25.47	-13	Pass

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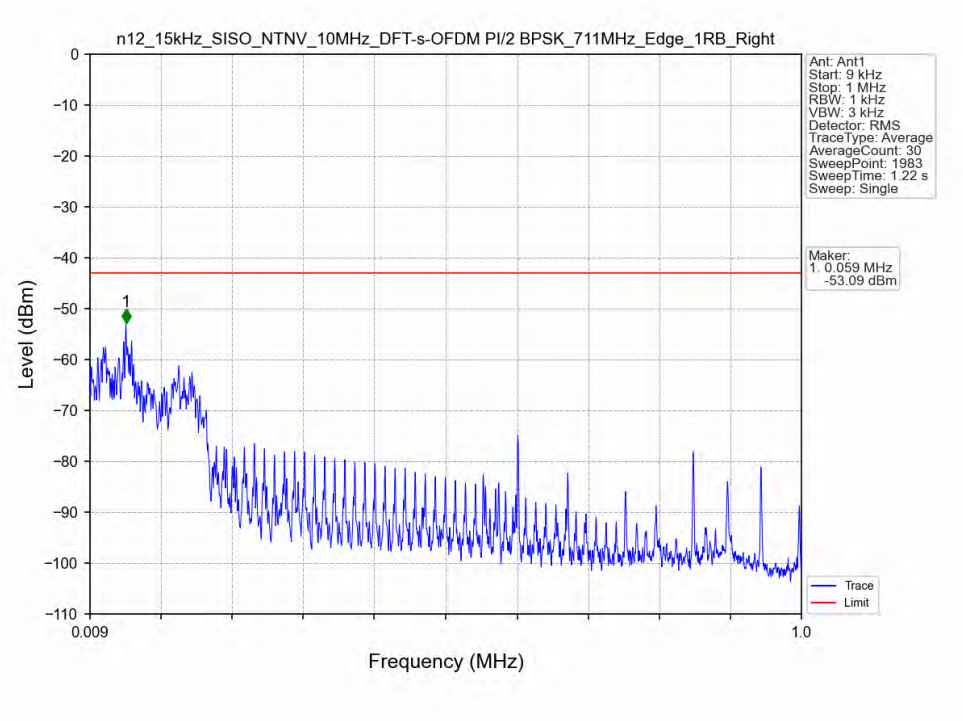

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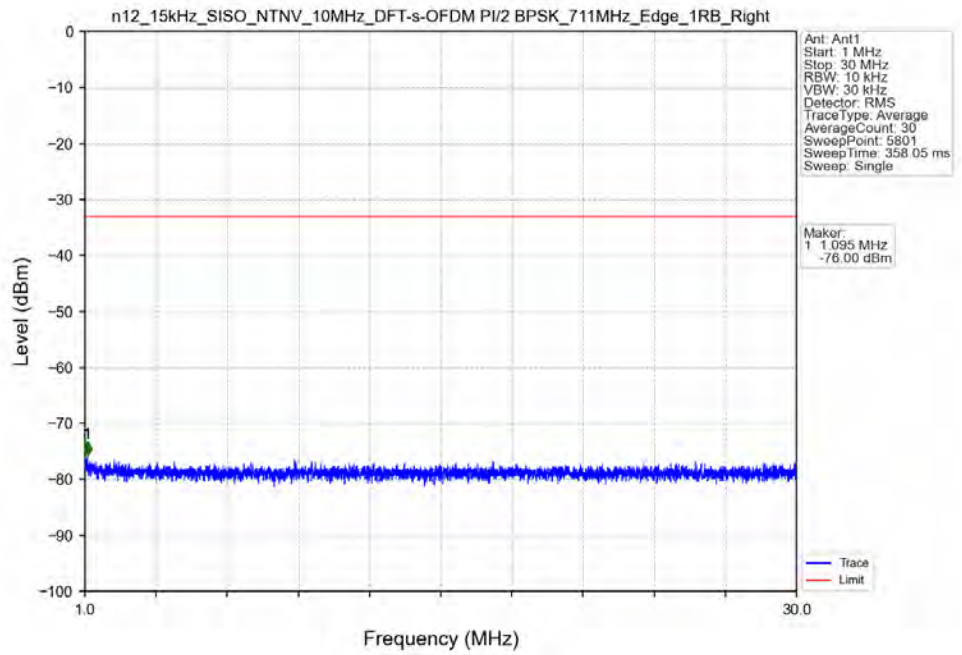

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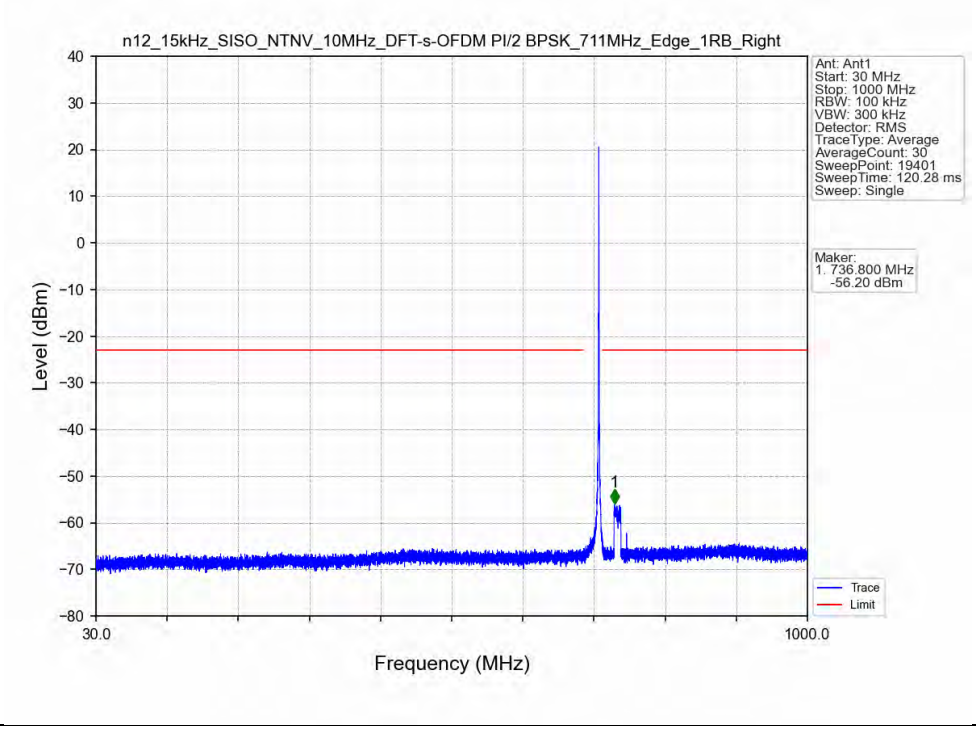

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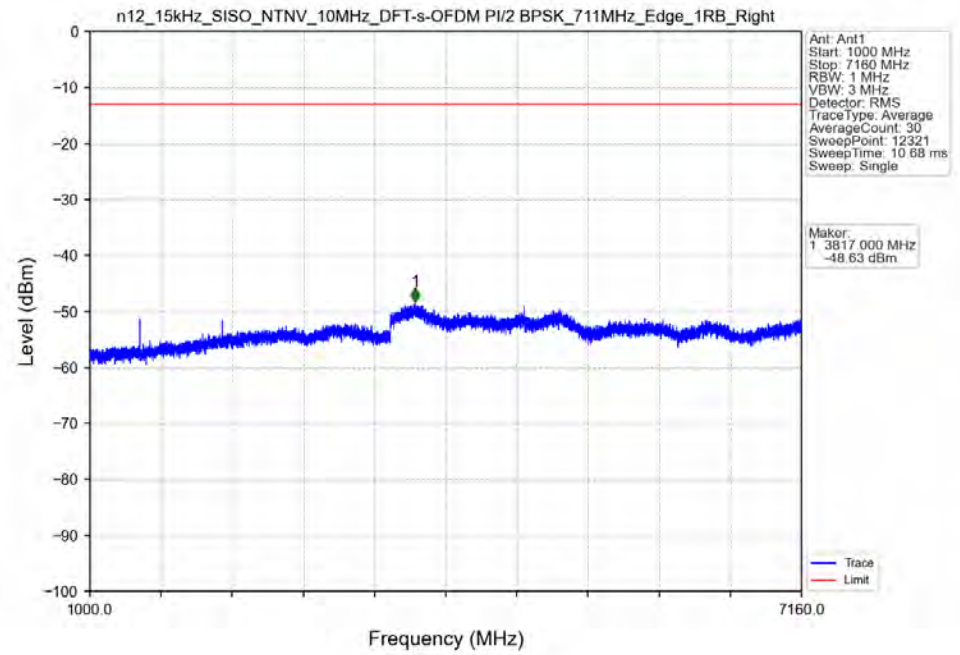

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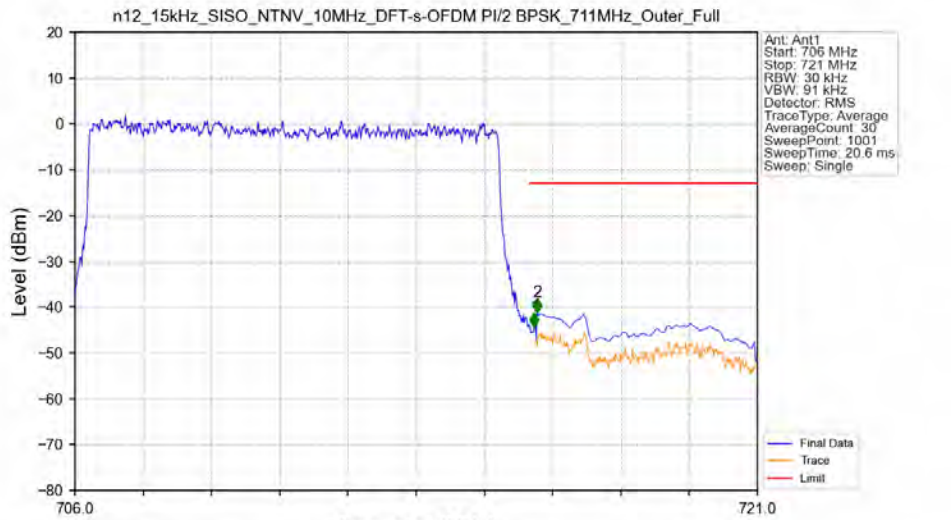
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_711MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.095	-44.30	-13	Pass
716.1	721	0.1	CHP	2	716.155	-41.13	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM PI/2 BPSK_711MHz_Inner_1RB_Right

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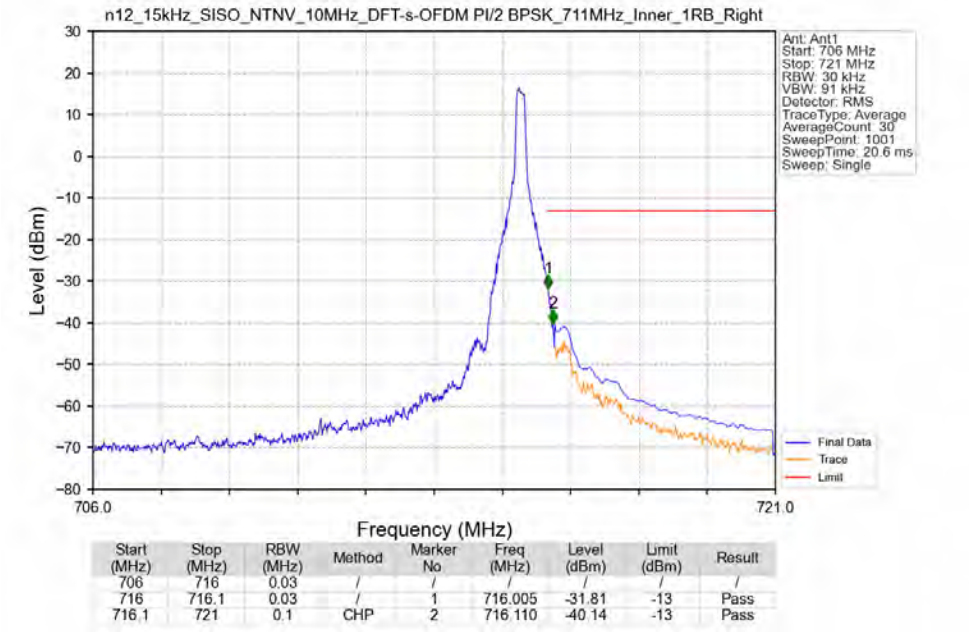
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01
Page: 261 of 353



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.005	-31.81	-13	Pass
716.1	721	0.1	CHP	2	716.110	-40.14	-13	Pass

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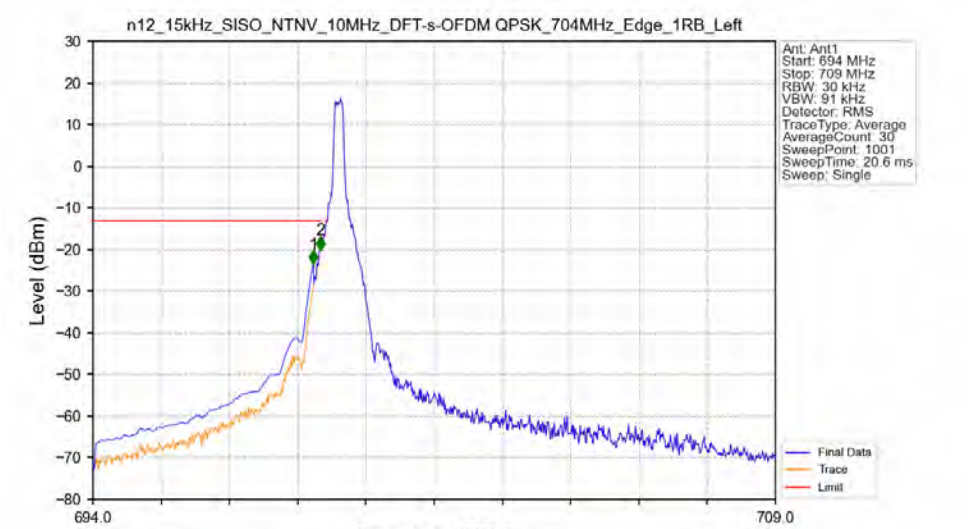
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-23.55	-13	Pass
698.9	699	0.03	/	2	698.995	-20.16	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Edge_1RB_Left

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Report No.: SZCR240100038409
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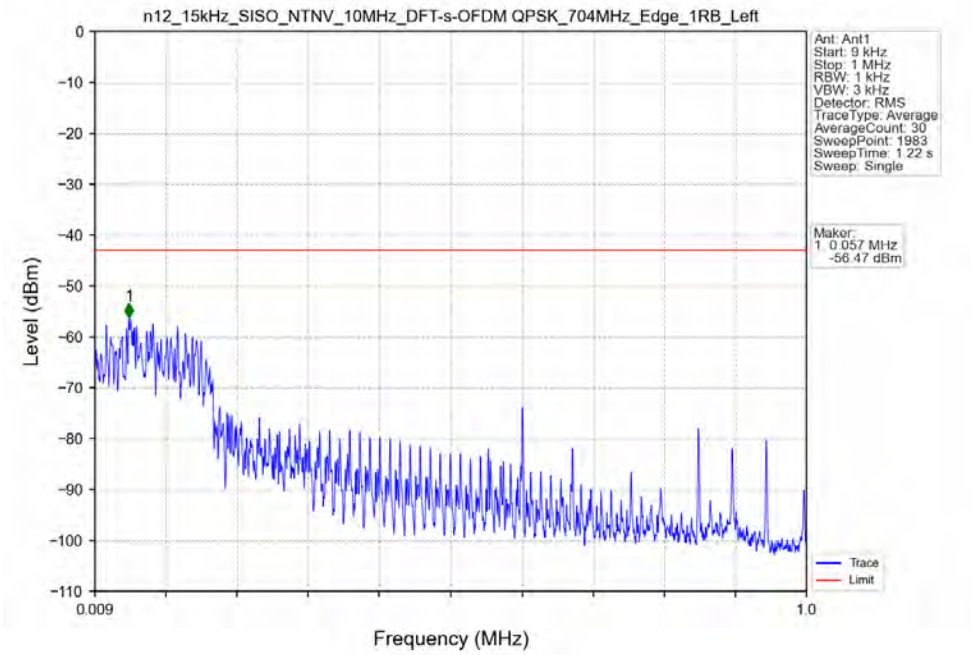
Page: 263 of 353



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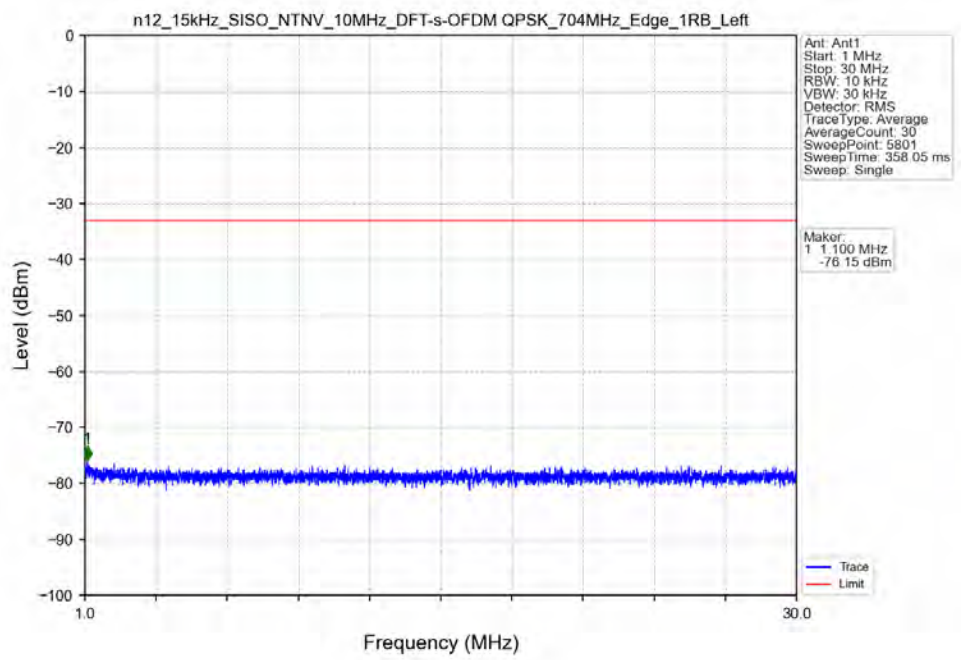
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Edge_1RB_Left



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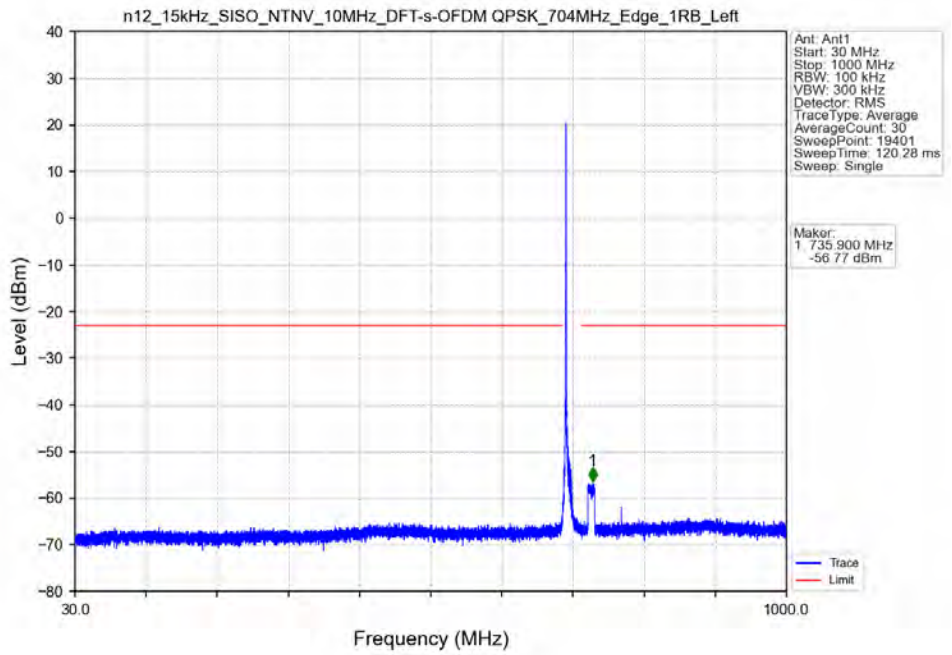

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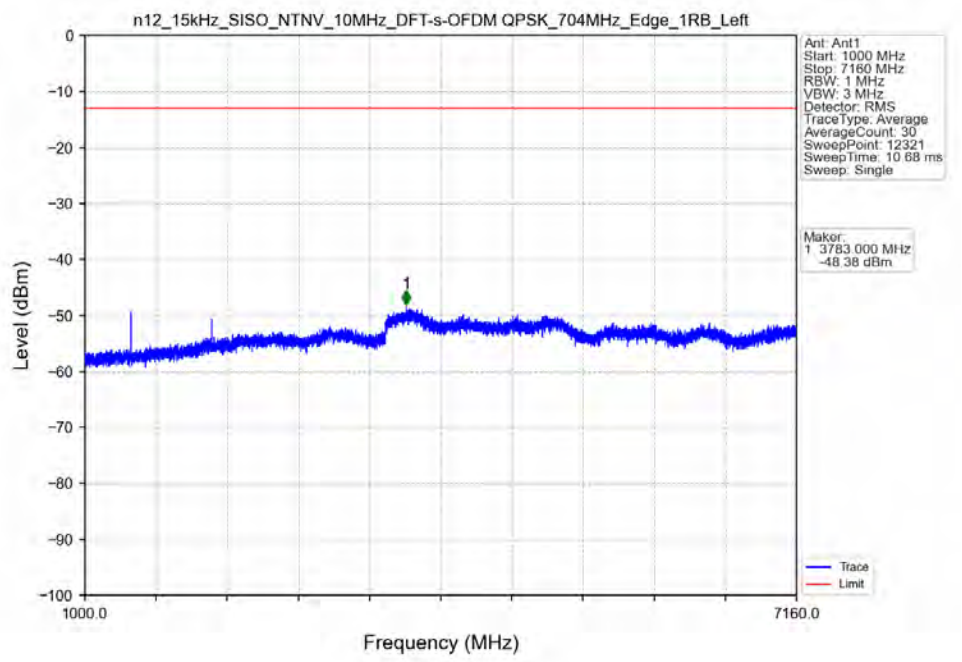
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Outer_Full

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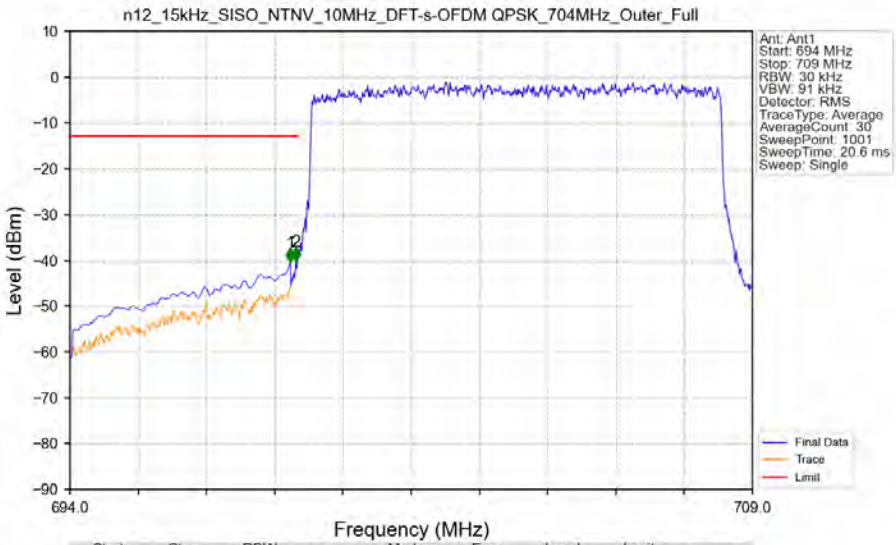

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-40.49	-13	Pass
698.9	699	0.03	/	2	698.965	-40.27	-13	Pass
699	709	0.03	/	/	/	/	/	/

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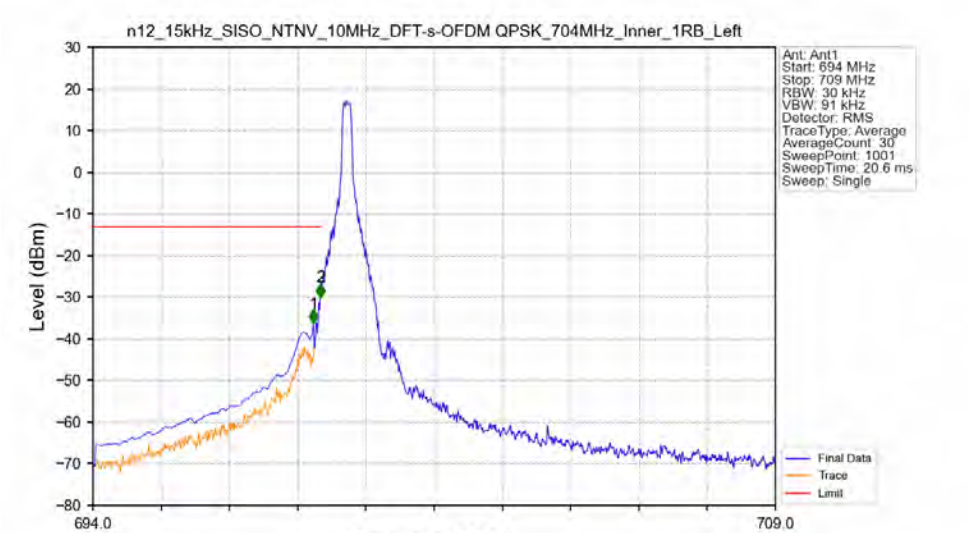
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_704MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-36.29	-13	Pass
698.9	699	0.03	/	2	698.995	-30.06	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_707.5MHz_Edge_1RB_Left

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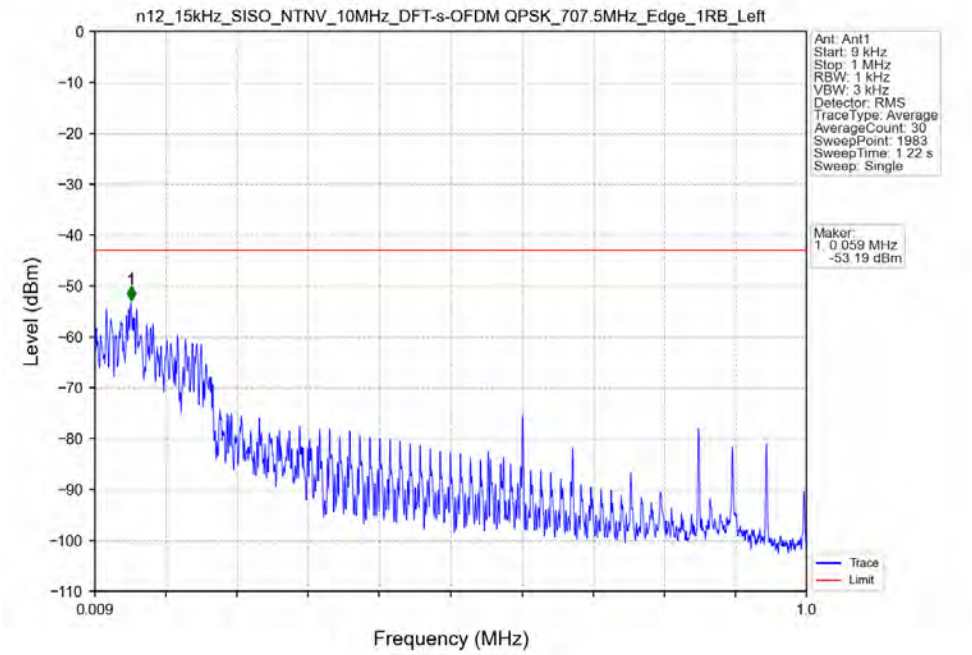

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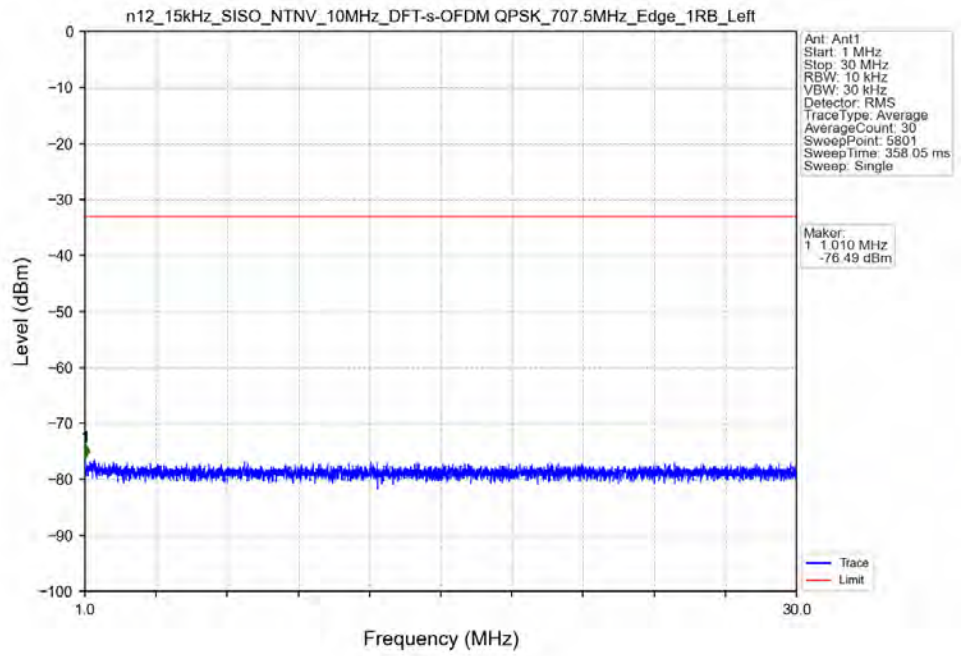

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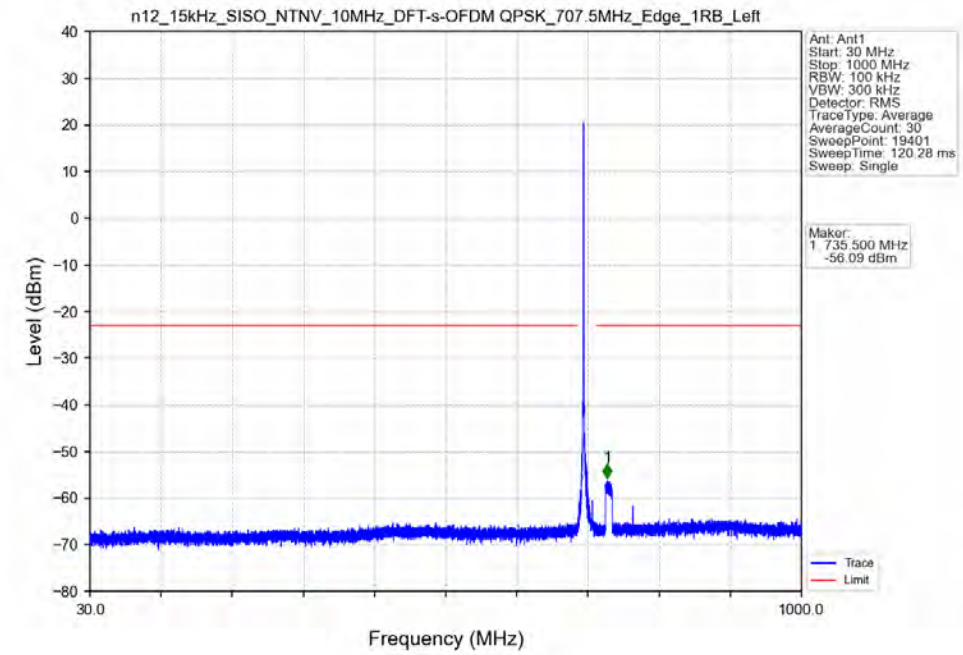

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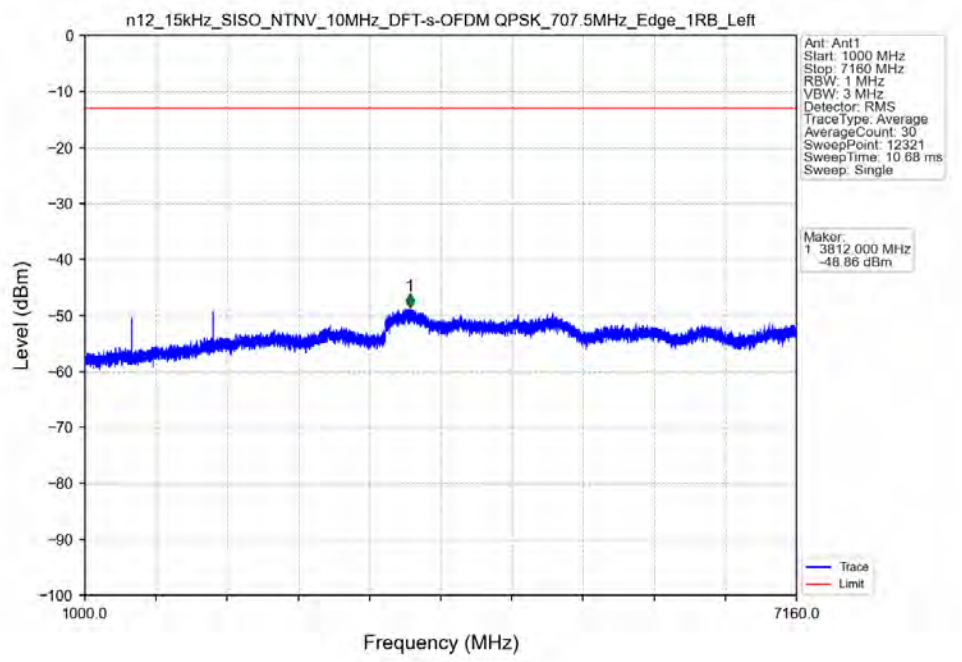

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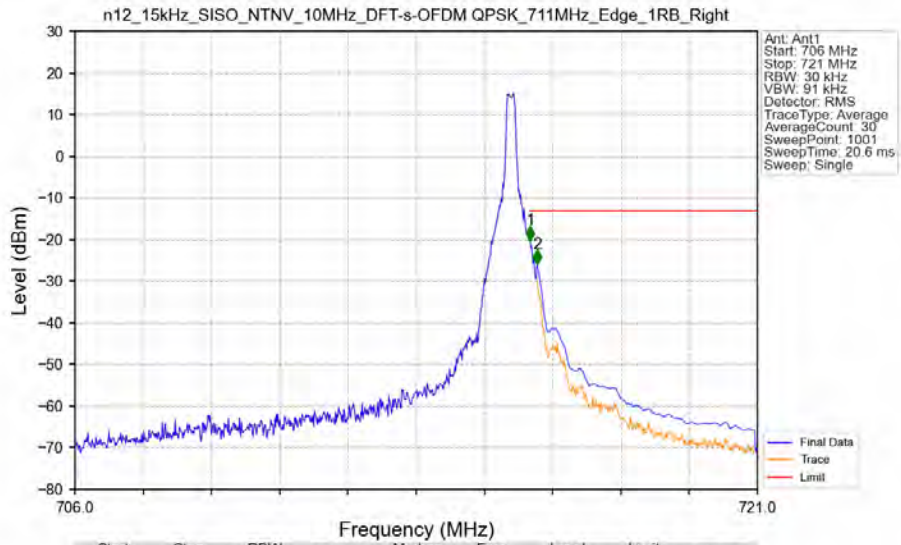

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.005	-20.15	-13	Pass
716.1	721	0.1	CHP	2	716.155	-25.92	-13	Pass

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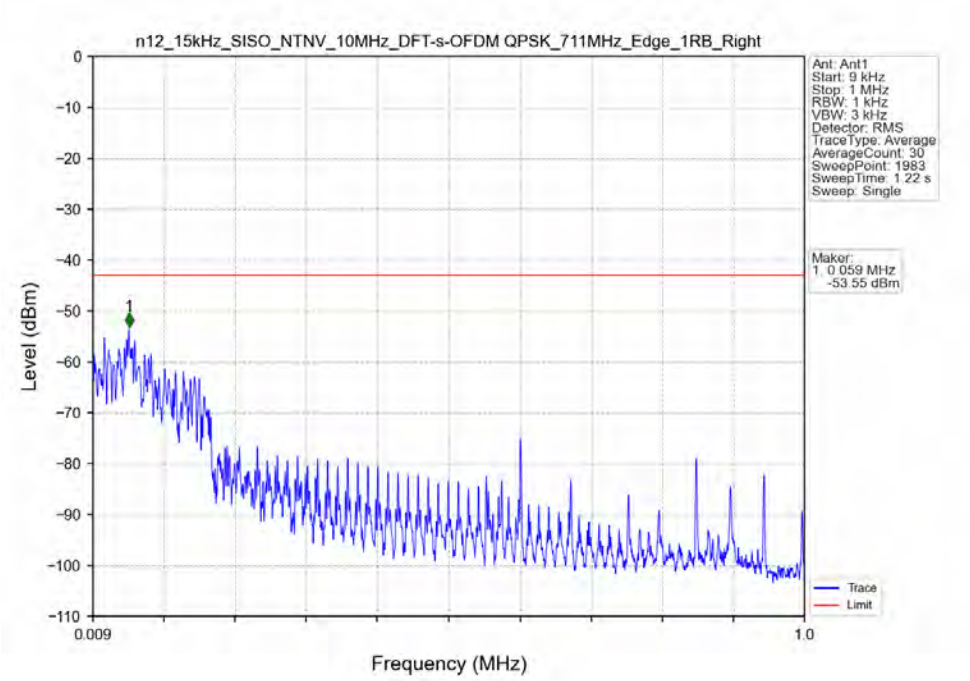
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Edge_1RB_Right



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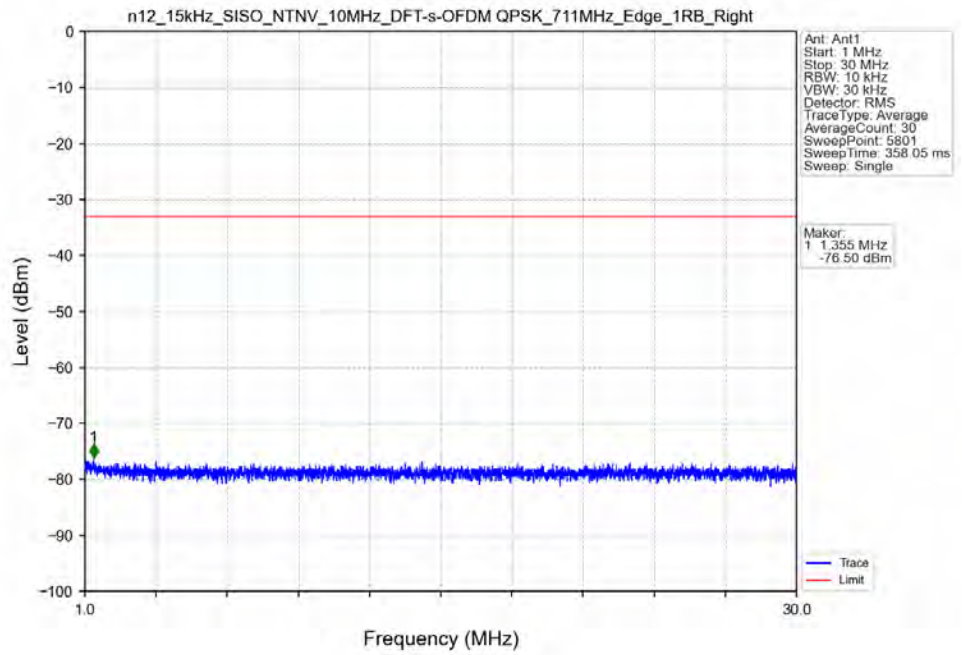

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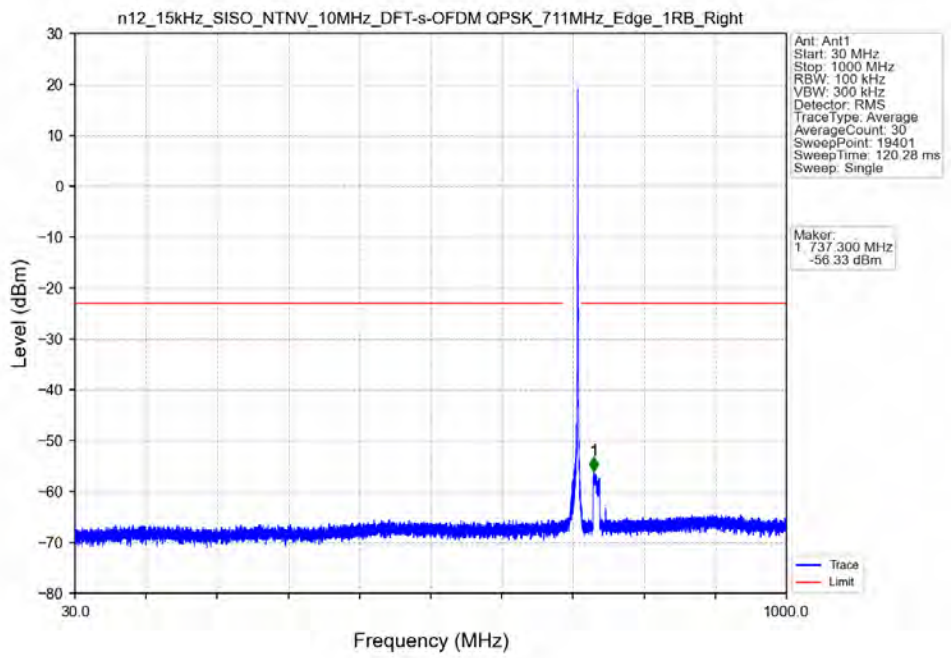
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Edge_1RB_Right



n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Edge_1RB_Right

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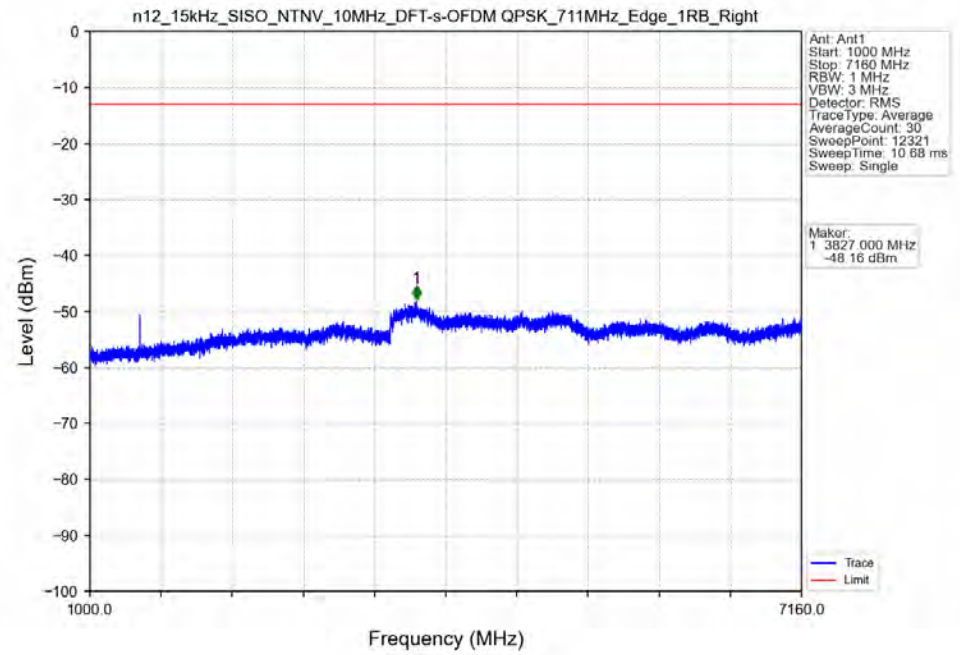

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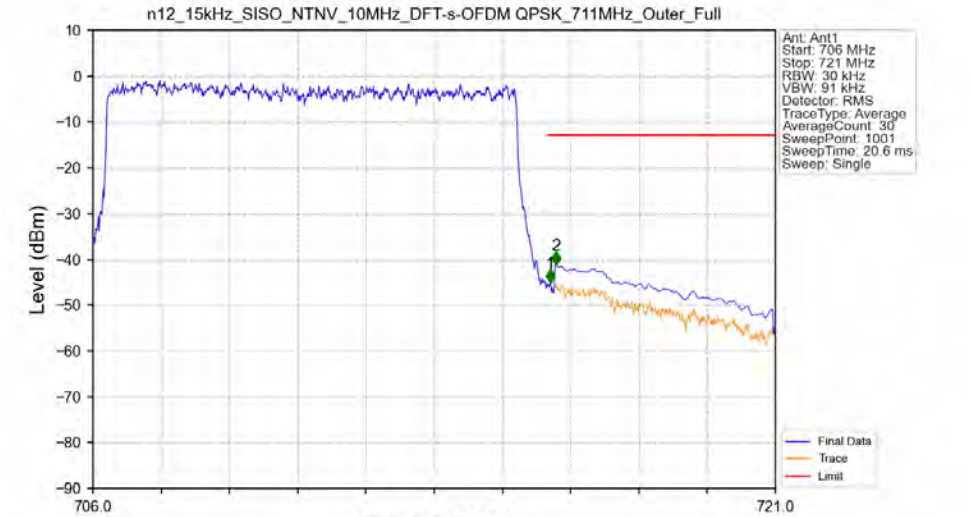
n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.050	-45.23	-13	Pass
716.1	721	0.1	CHP	2	716.185	-41.35	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_DFT-s-OFDM QPSK_711MHz_Inner_1RB_Right

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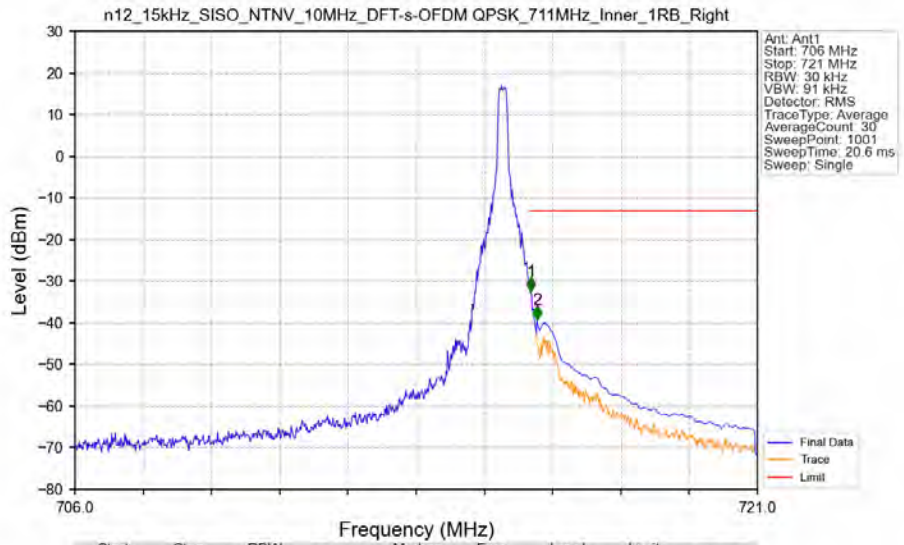

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-32.49	-13	Pass
716.1	721	0.1	CHP	2	716.155	-39.26	-13	Pass

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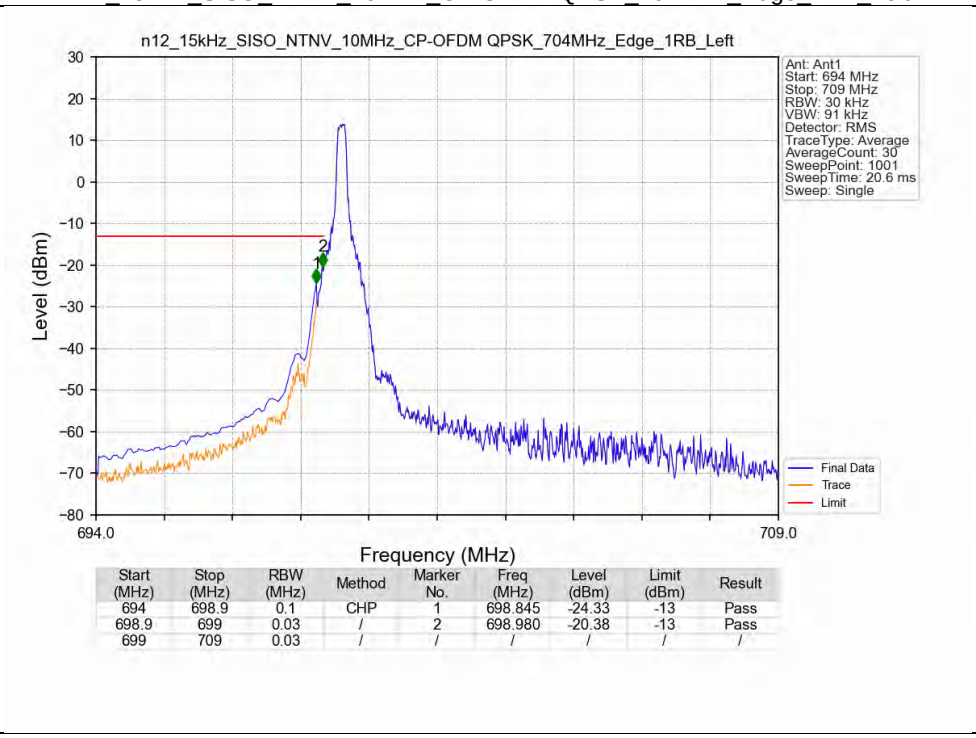
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_704MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-24.33	-13	Pass
698.9	699	0.03	/	2	698.980	-20.38	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_704MHz_Edge_1RB_Left

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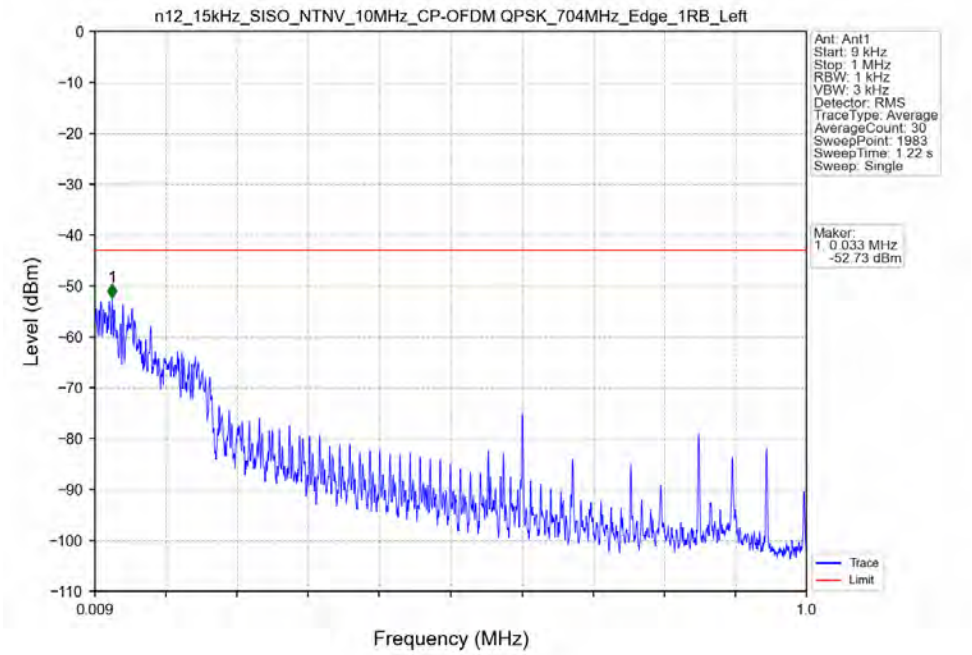

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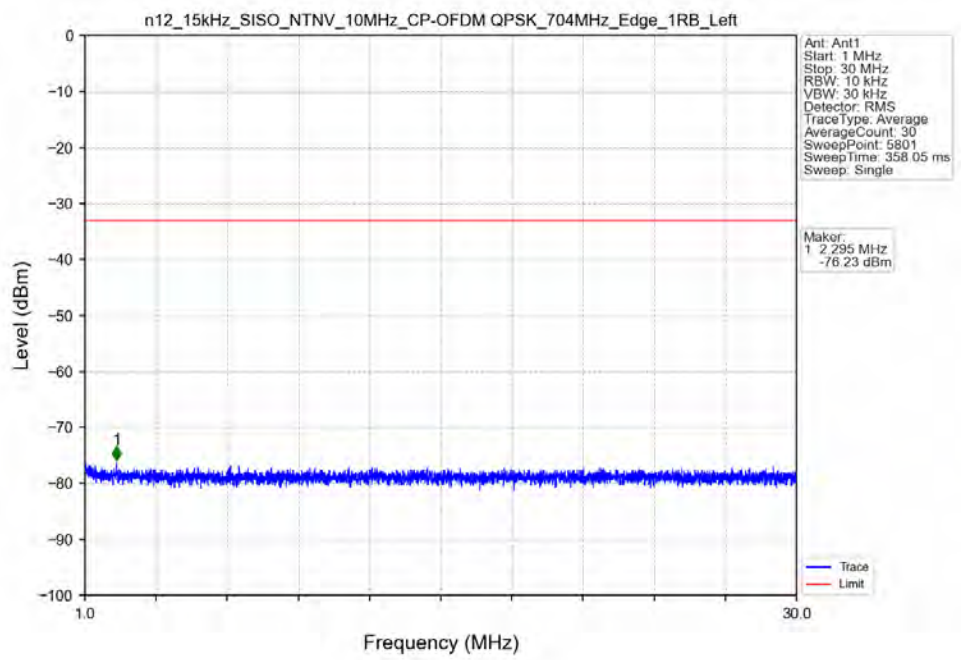
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_704MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_704MHz_Edge_1RB_Left

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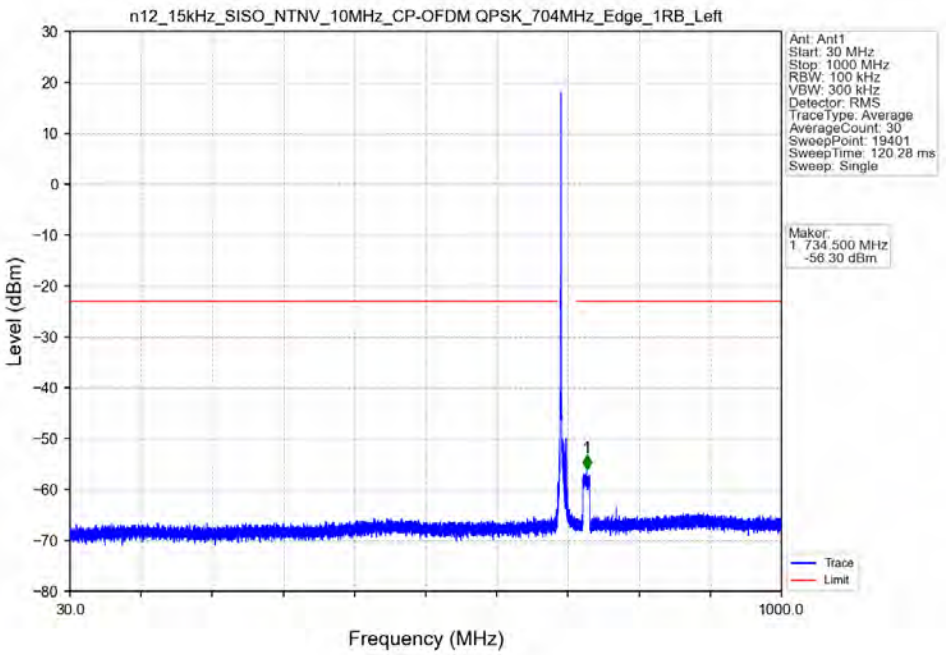

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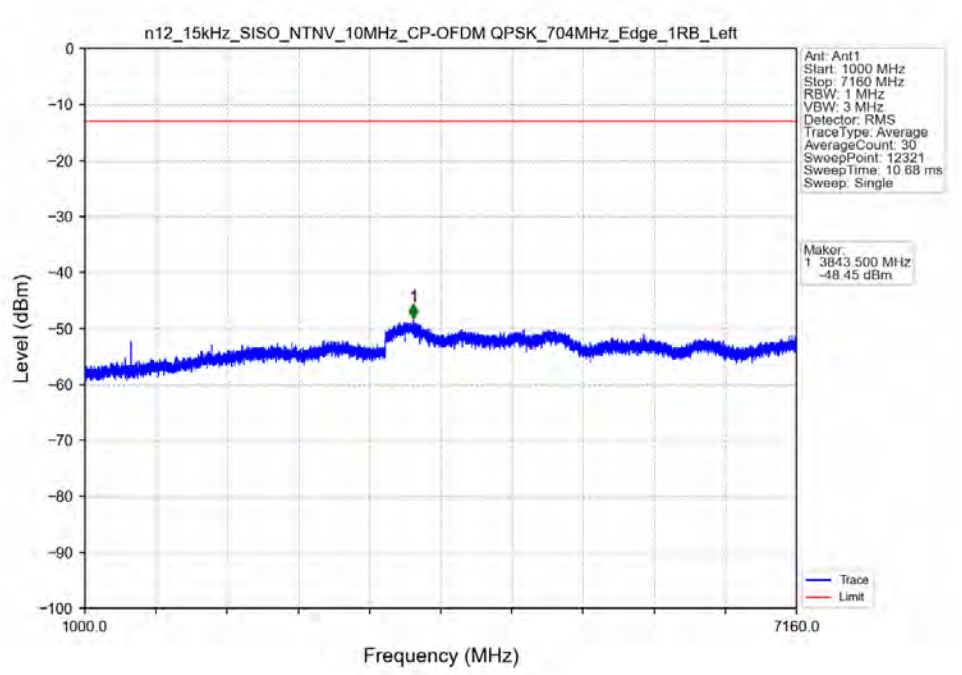

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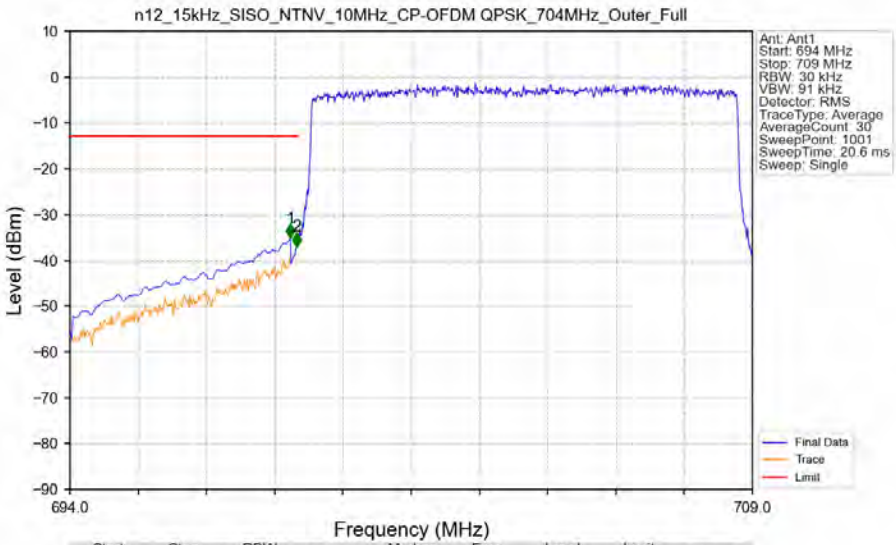

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-35.22	-13	Pass
698.9	699	0.03	/	2	698.980	-37.01	-13	Pass
699	709	0.03	/	/	/	/	/	/

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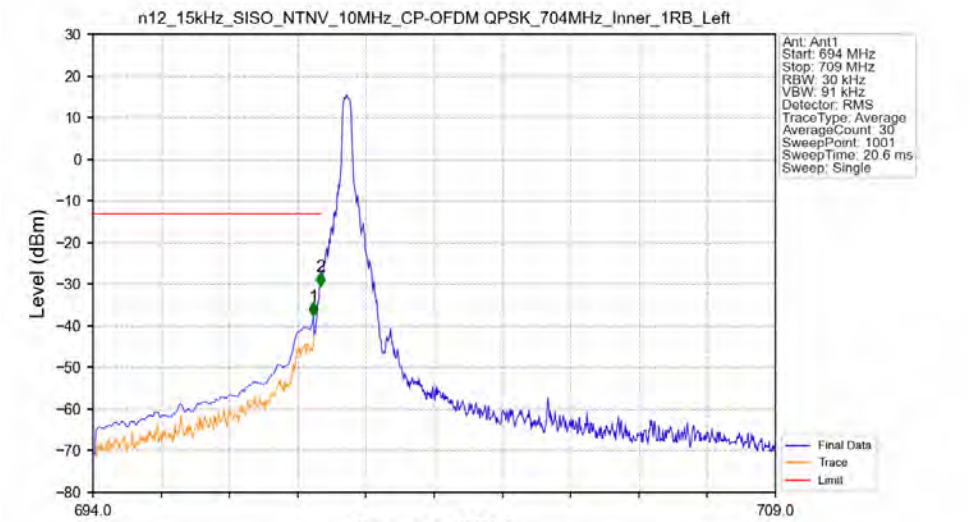

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.845	-37.77	-13	Pass
698.9	699	0.03	/	2	698.995	-30.55	-13	Pass
699	709	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left

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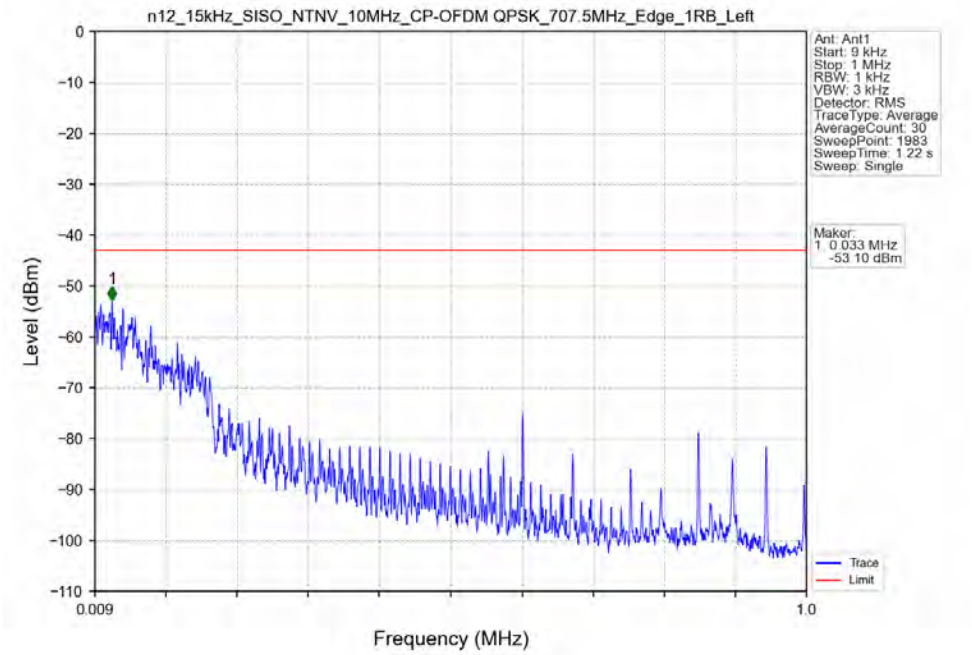

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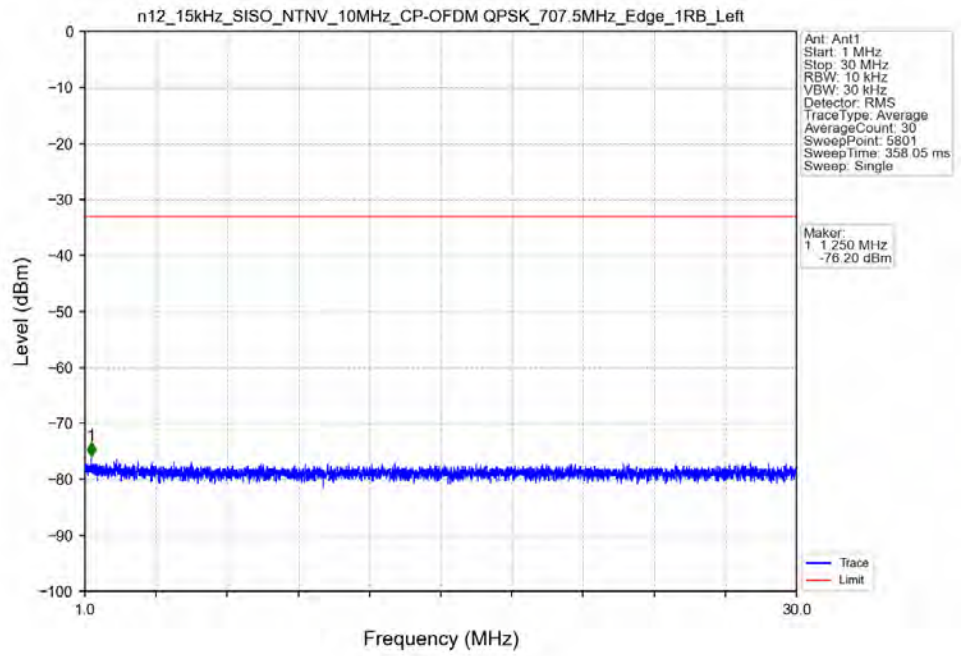

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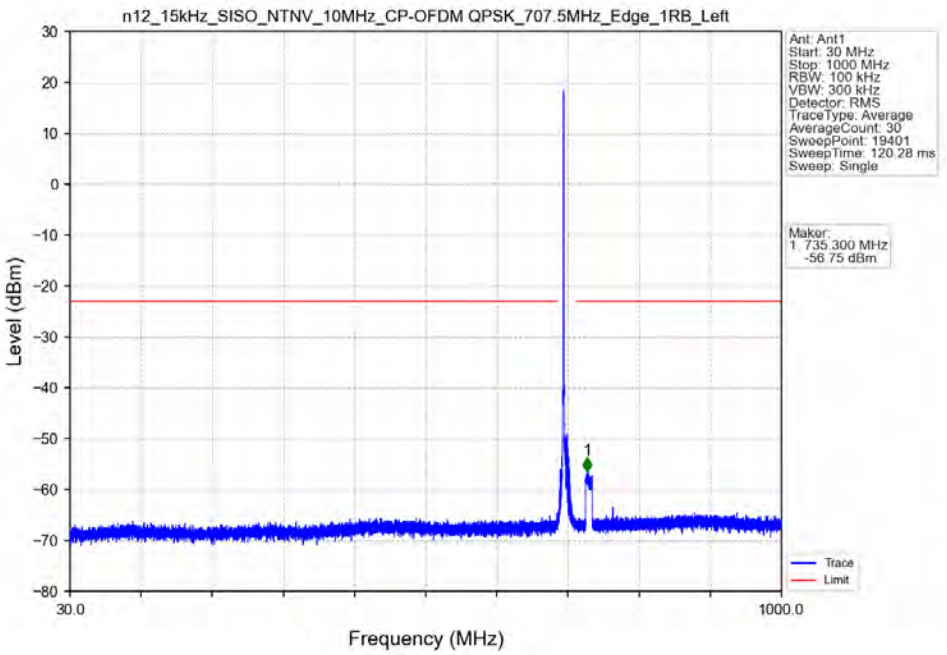

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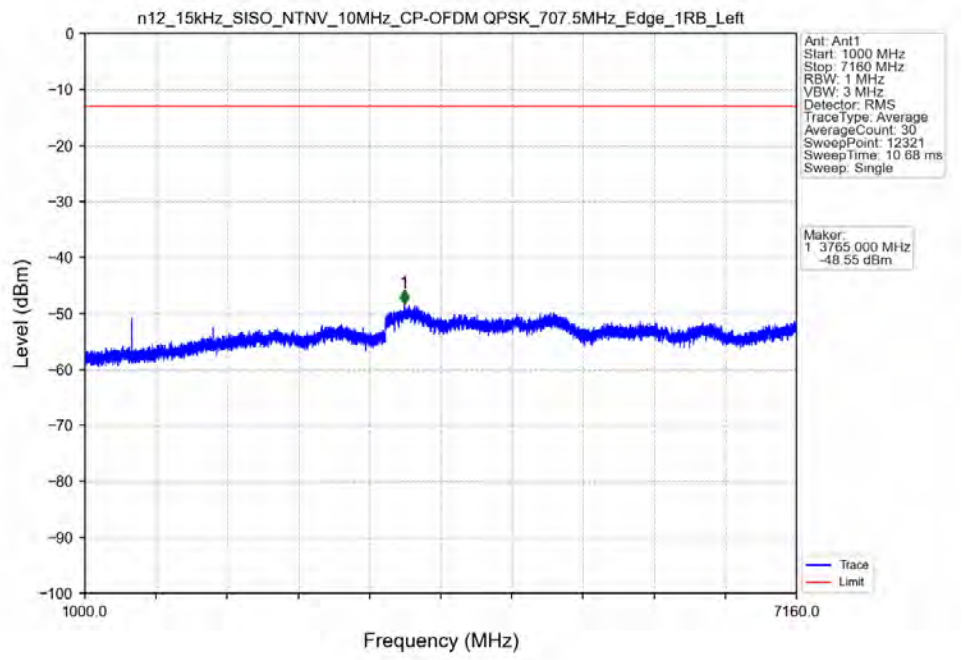

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_711MHz_Edge_1RB_Right

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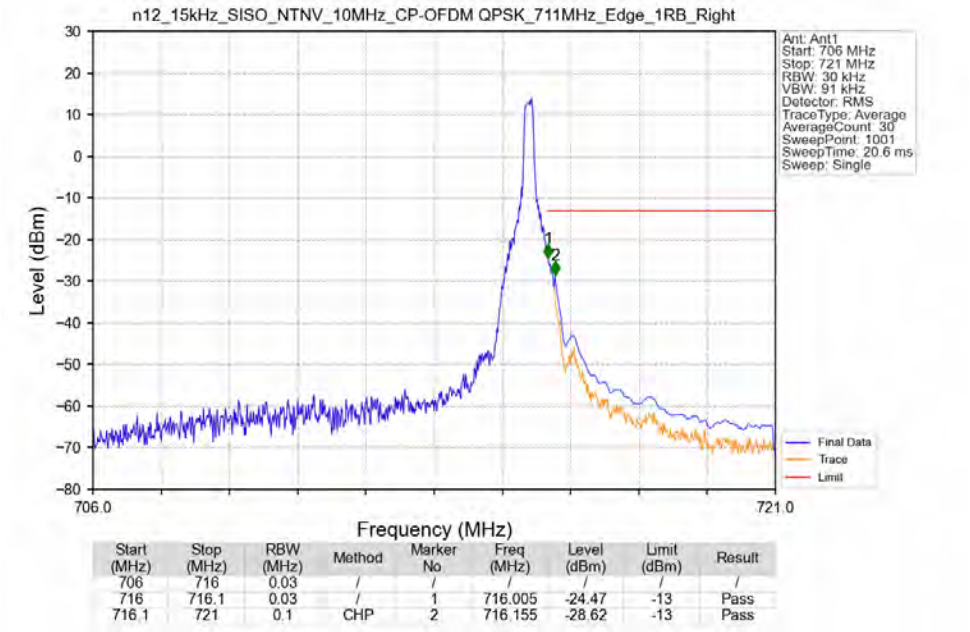

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.005	-24.47	-13	Pass
716.1	721	0.1	CHP	2	716.155	-28.62	-13	Pass

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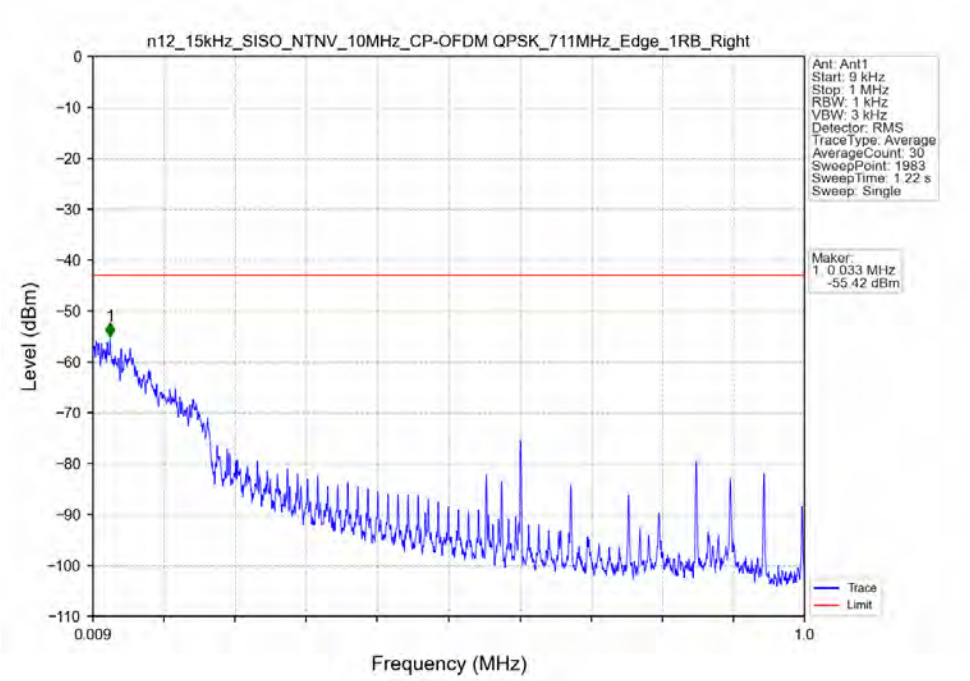

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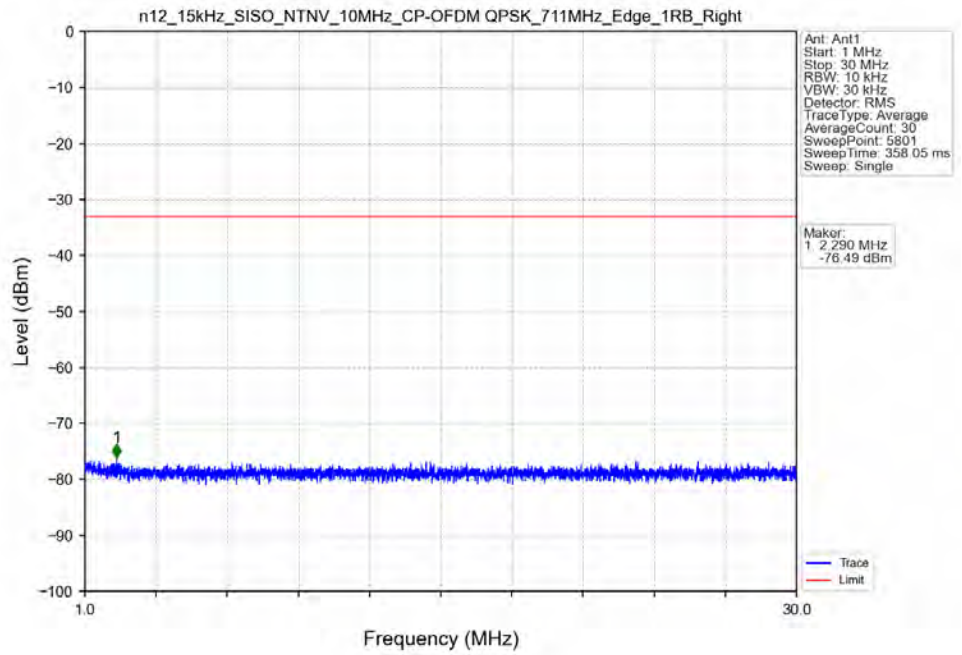

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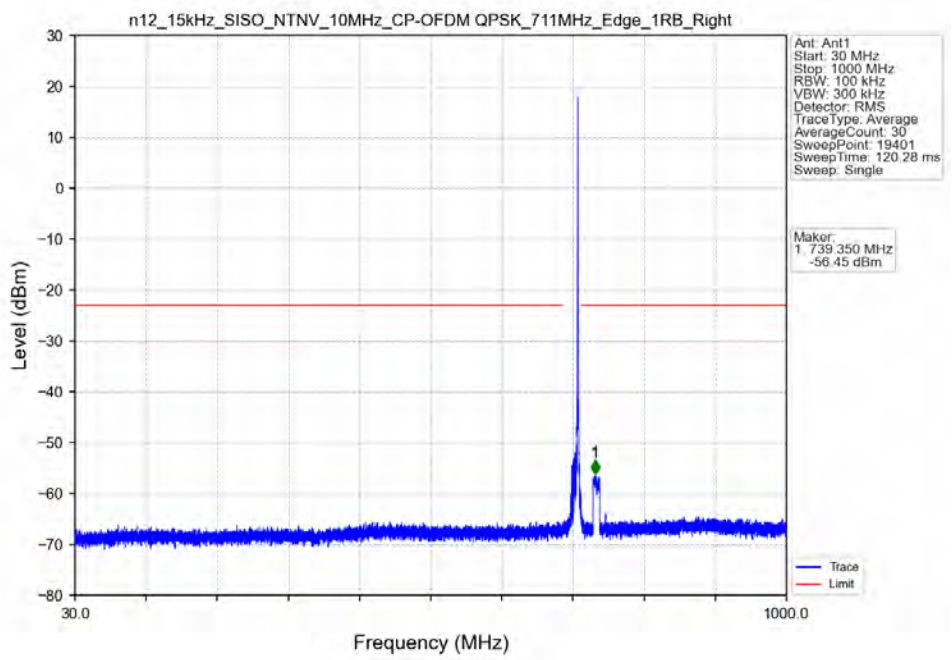
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_711MHz_Edge_1RB_Right



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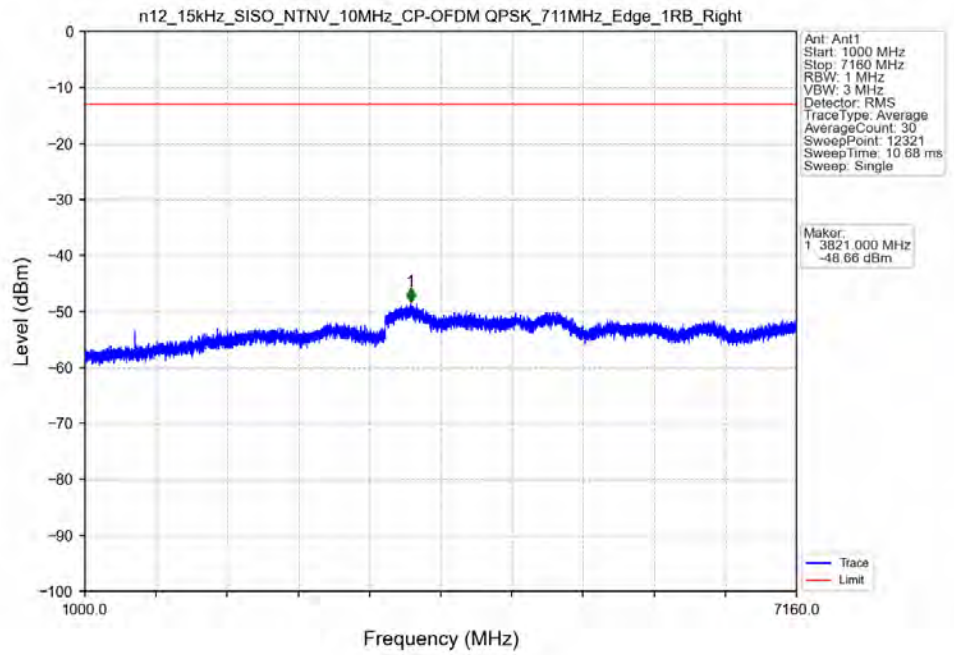
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01
Page: 295 of 353



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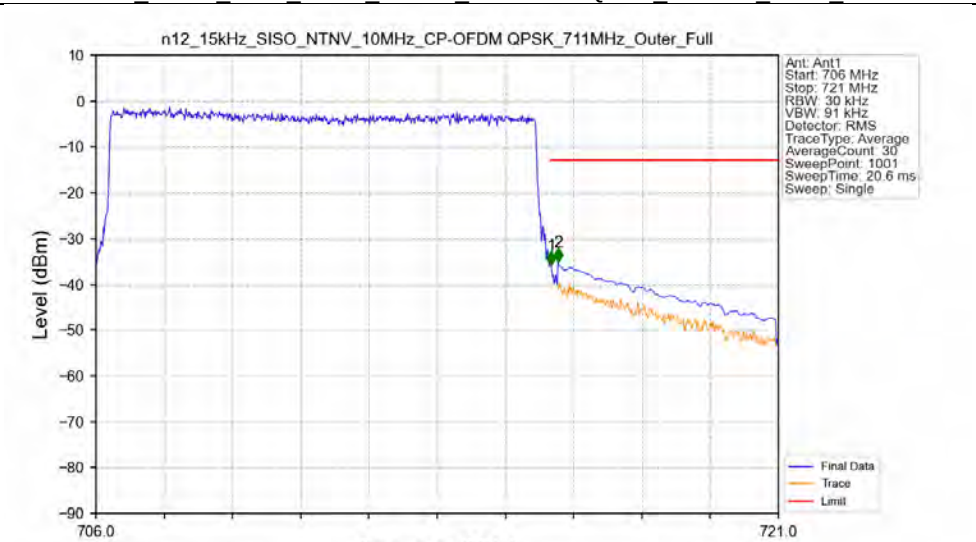
n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_711MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.005	-35.90	-13	Pass
716.1	721	0.1	CHP	2	716.155	-35.19	-13	Pass

n12_15kHz_SISO_NTNV_10MHz_CP-OFDM QPSK_711MHz_Inner_1RB_Right

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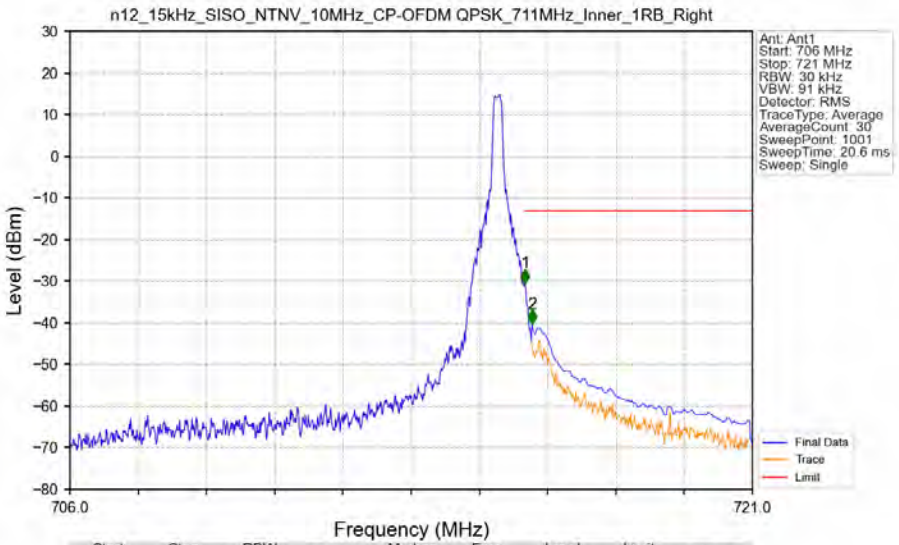

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.005	-30.43	-13	Pass
716.1	721	0.1	CHP	2	716.155	-40.21	-13	Pass

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5.3 15k_SISO_15MHz_NTNV

5.3.1 Test Result

5G NR n12 SCS=15kHz SISO 15MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant1	Ant2	Sum	Limit	
DFT-s-OFDM PI/2 BPSK	706.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	708.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
DFT-s-OFDM QPSK	706.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	708.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
CP-OFDM QPSK	706.5	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	707.5	Edge_1RB_Left	Refer To Test Graph				Pass
	708.5	Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass

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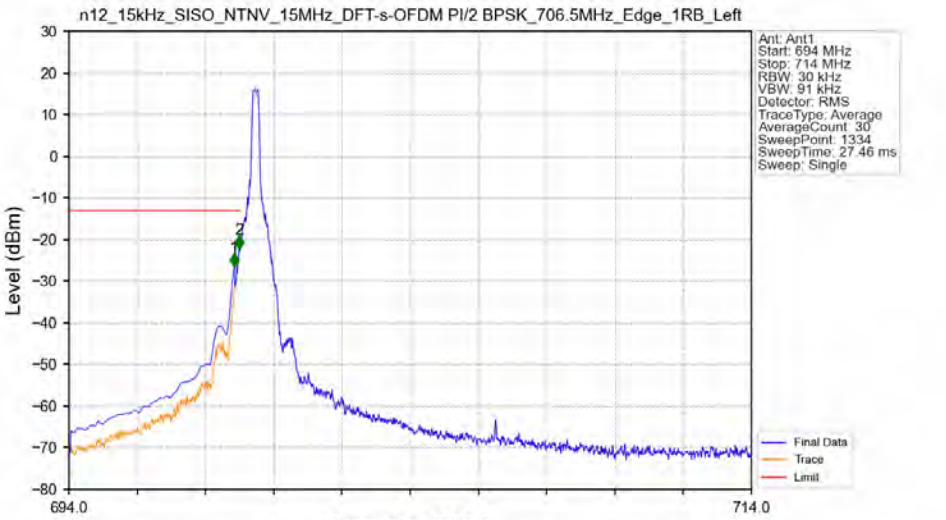
5.3.2 Test Graph

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_706.5MHz_Edge_1RB_Left

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_706.5MHz_Edge_1RB_Left

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-26.60	-13	Pass
698.9	699	0.03	/	2	698.981	-22.40	-13	Pass
699	714	0.03	/	/	/	/	/	/

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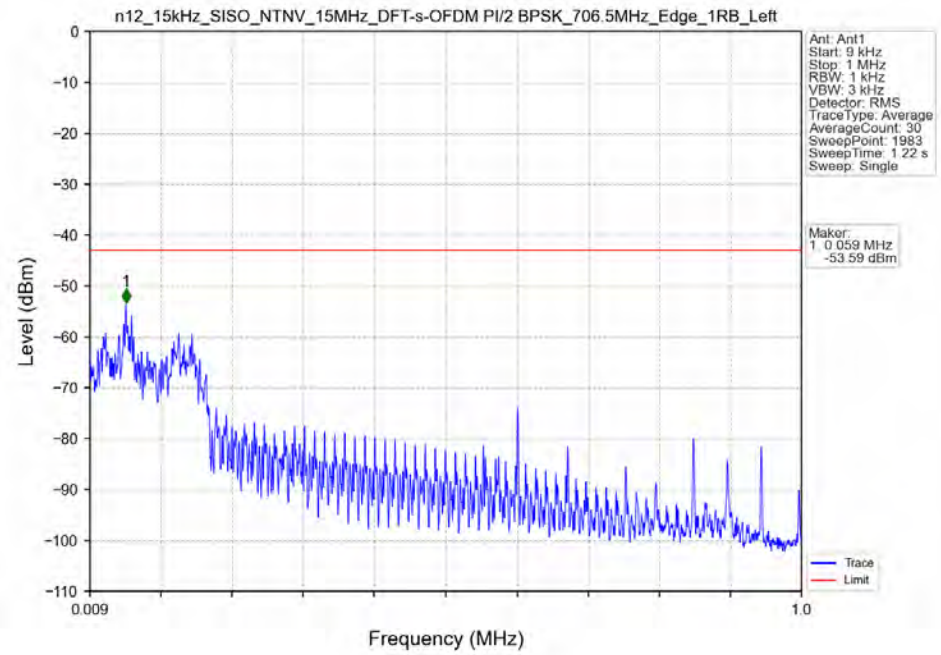
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01



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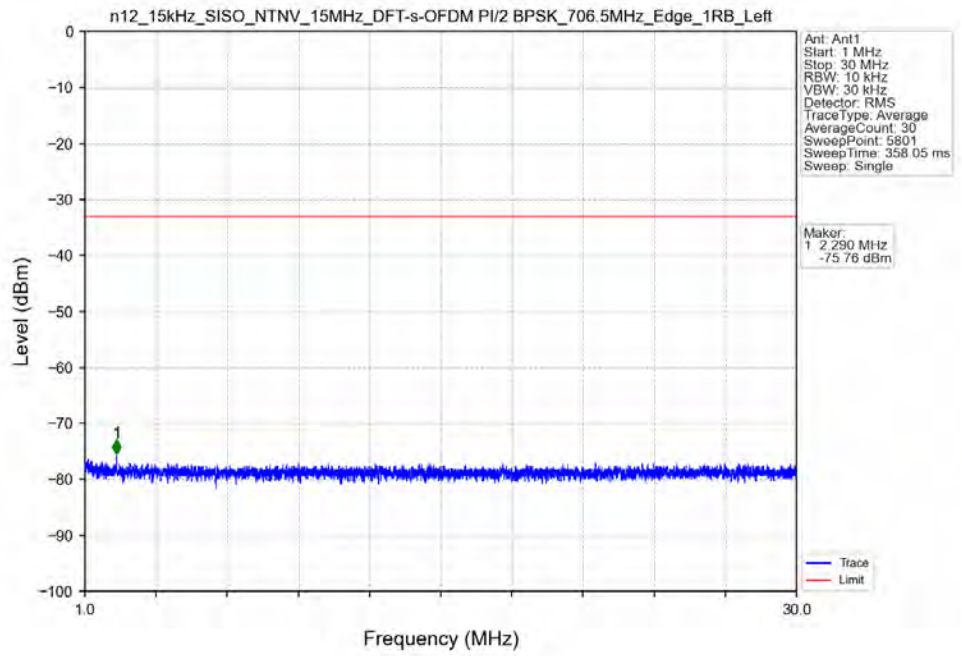
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_706.5MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_706.5MHz_Edge_1RB_Left

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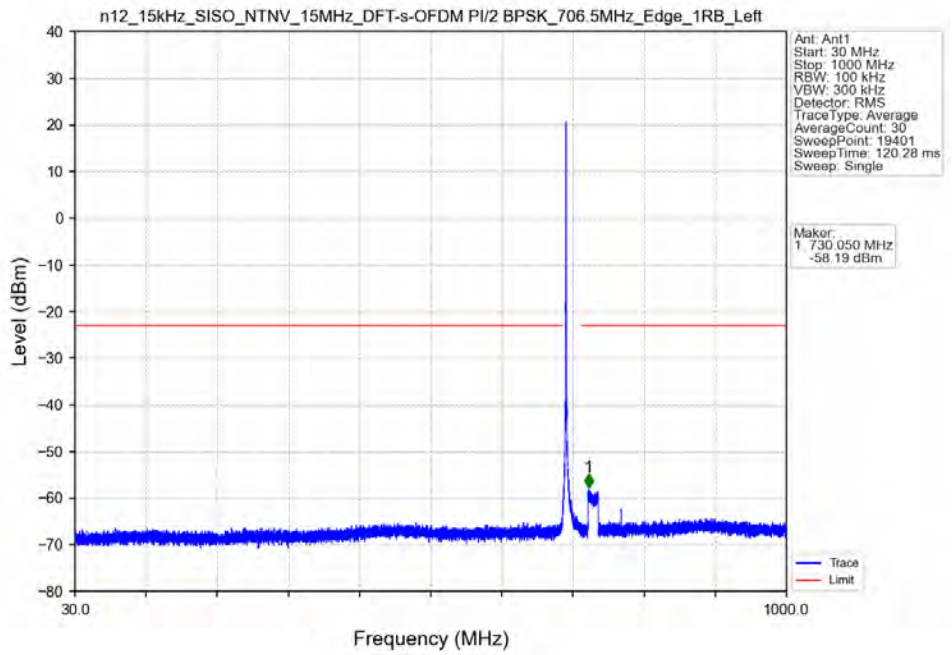

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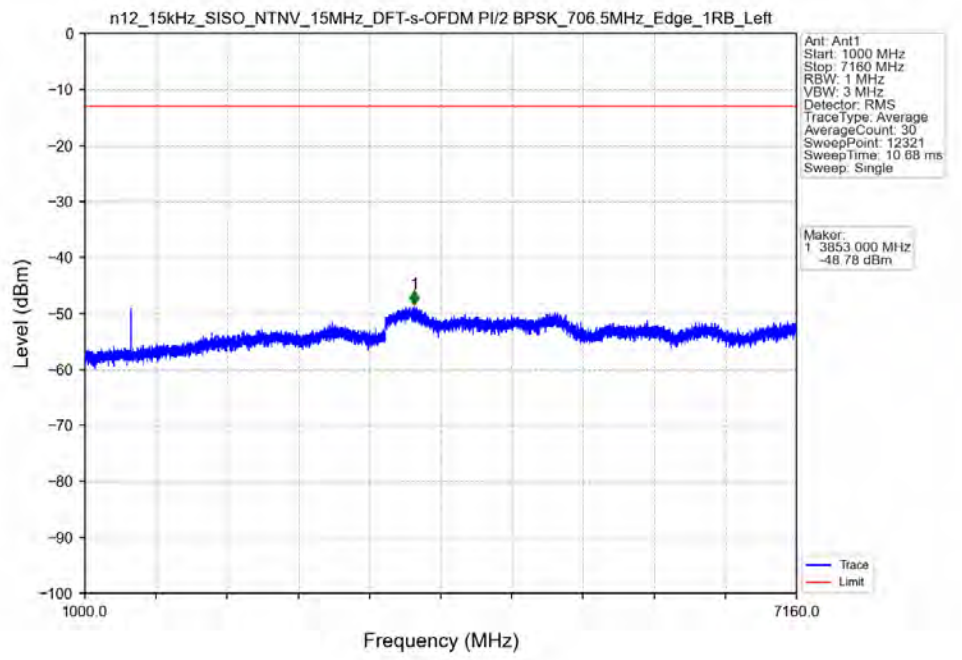

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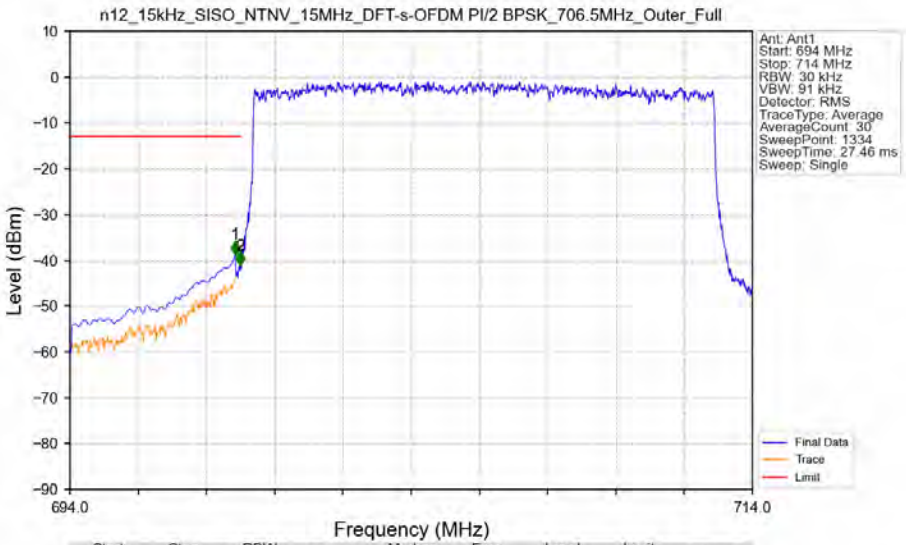

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-38.79	-13	Pass
698.9	699	0.03	/	2	698.996	-41.17	-13	Pass
699	714	0.03	/	/	/	/	/	/

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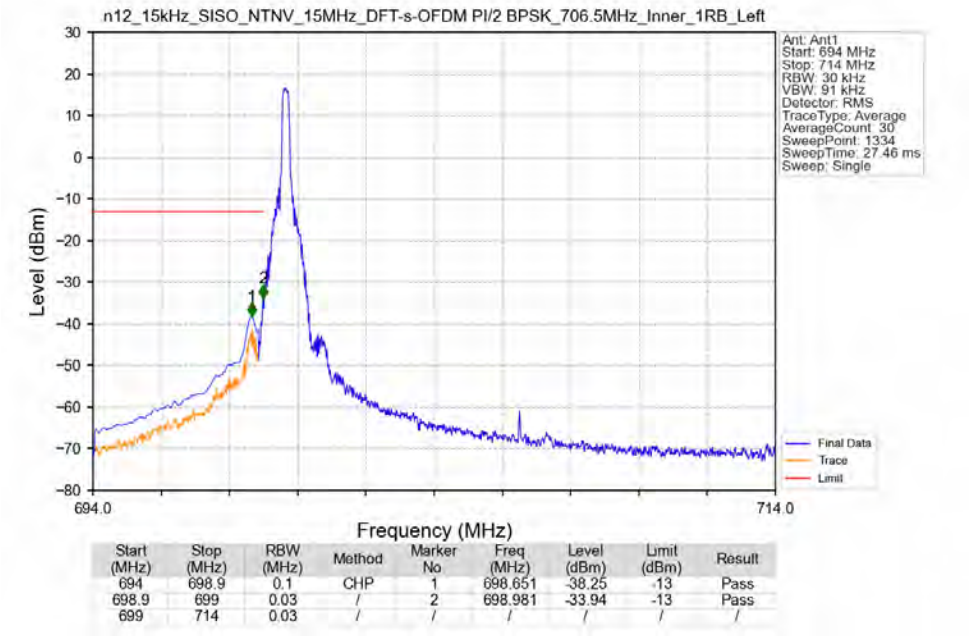
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_706.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.651	-38.25	-13	Pass
698.9	699	0.03	/	2	698.981	-33.94	-13	Pass
699	714	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_707.5MHz_Edge_1RB_Left

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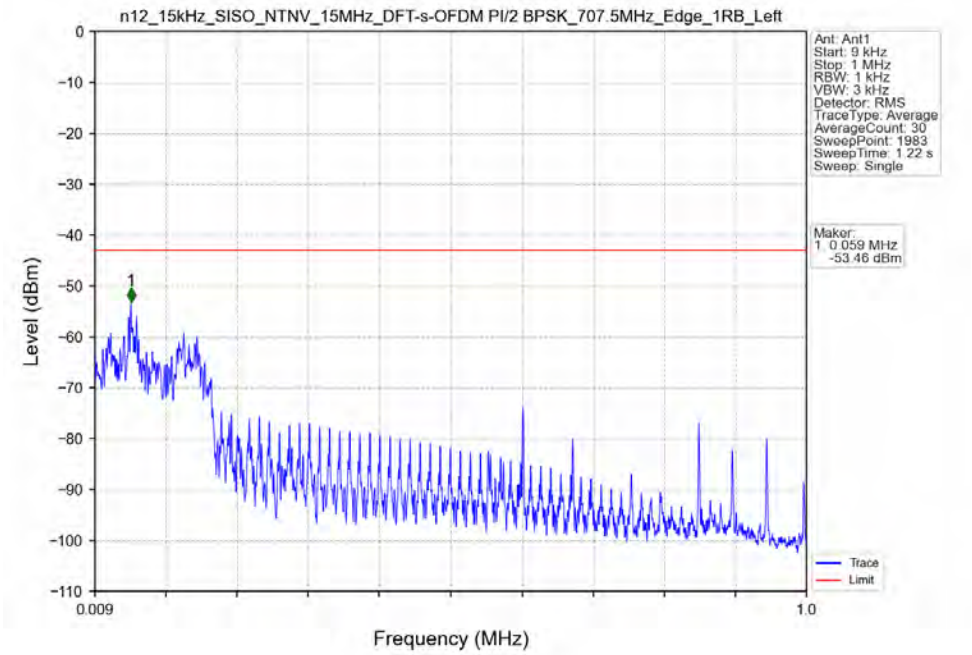
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01
Page: 306 of 353



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中国・广东・深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com

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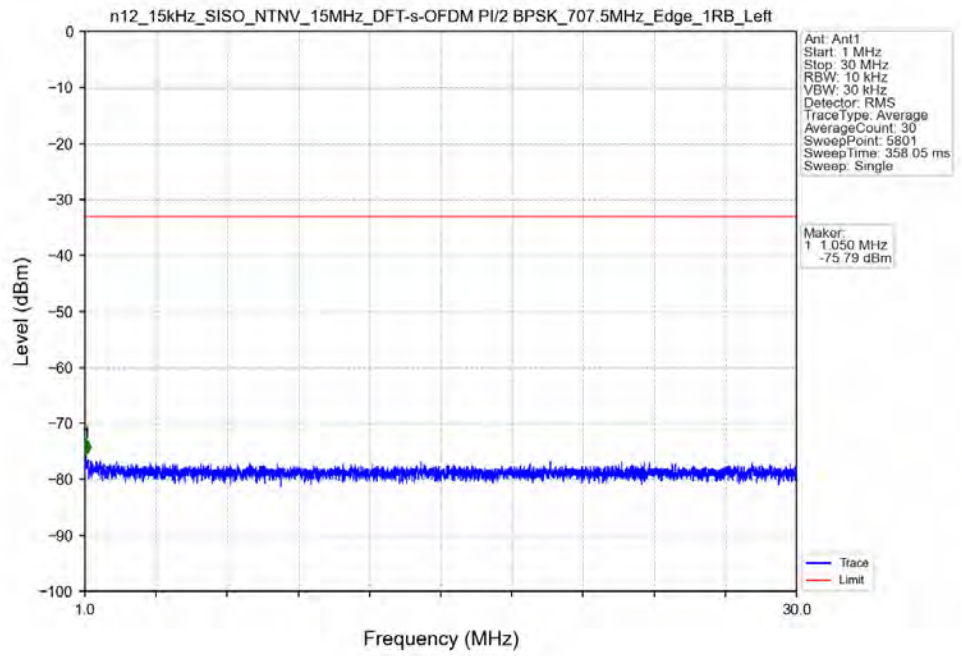

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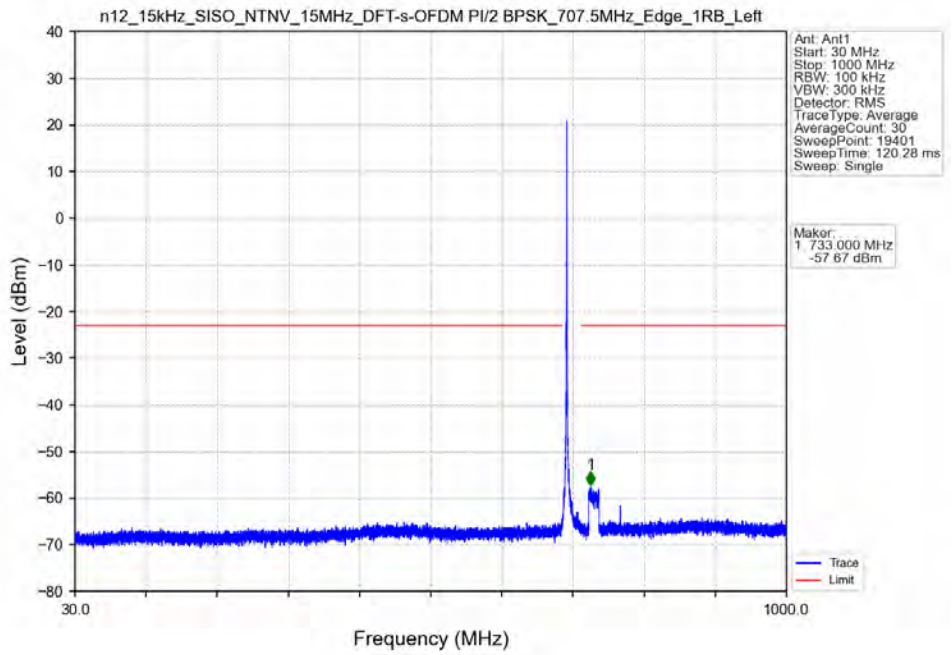

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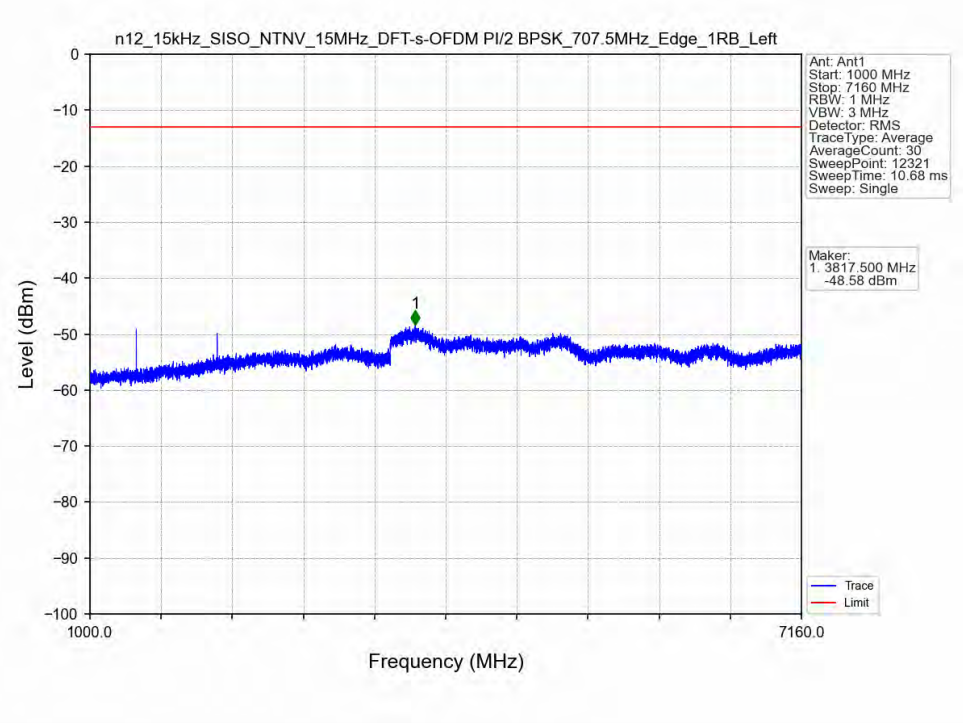

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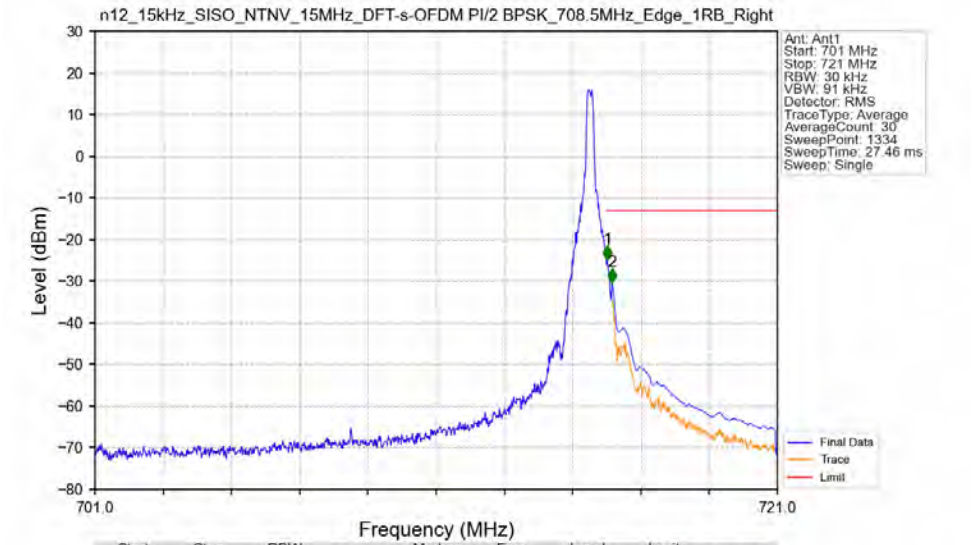

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.019	-24.83	-13	Pass
716.1	721	0.1	CHP	2	716.154	-30.27	-13	Pass

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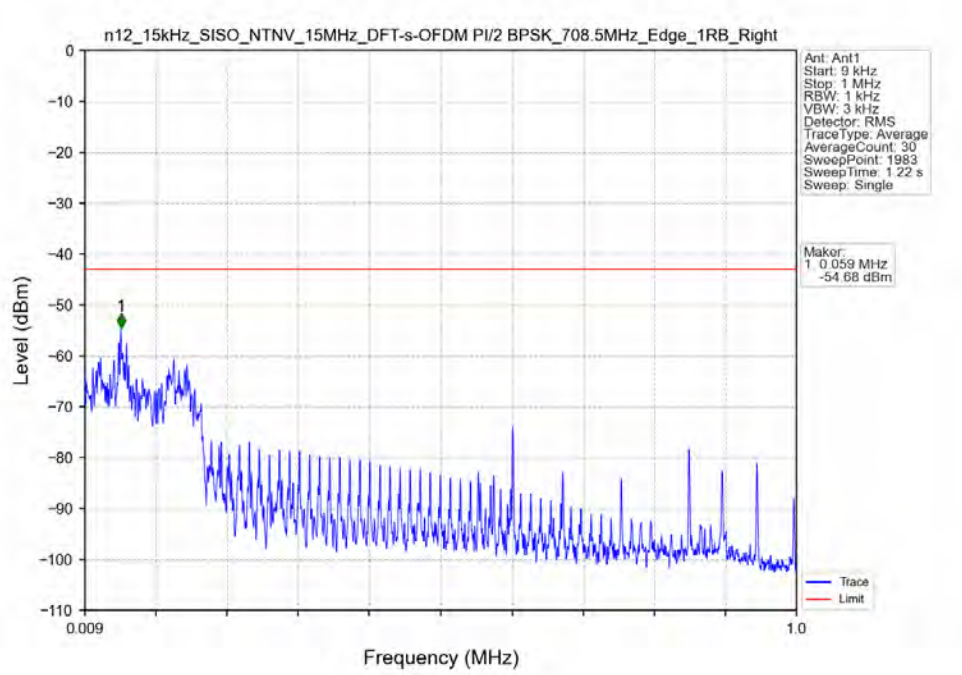

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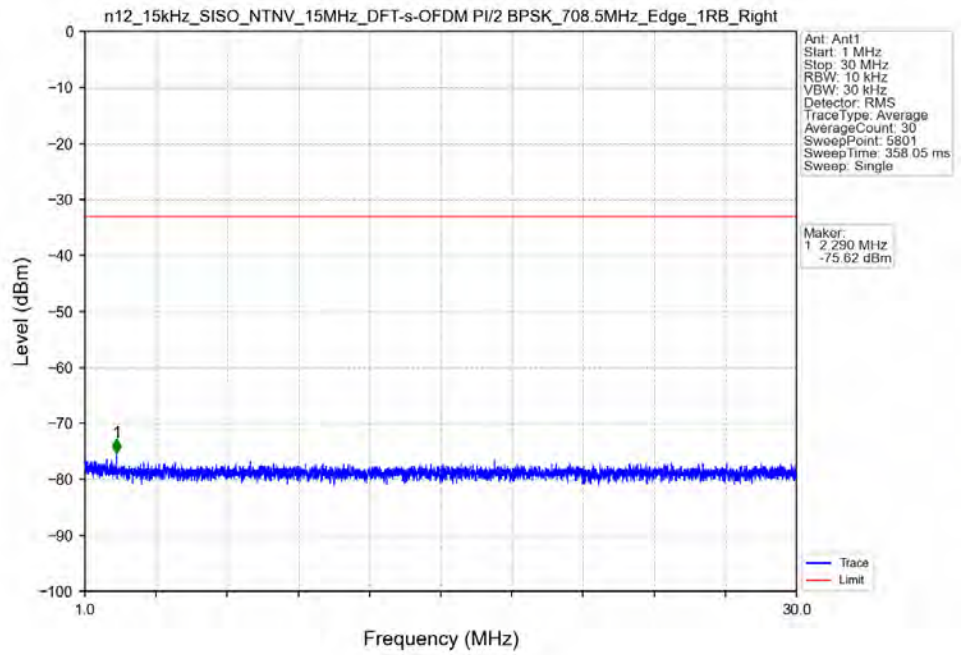

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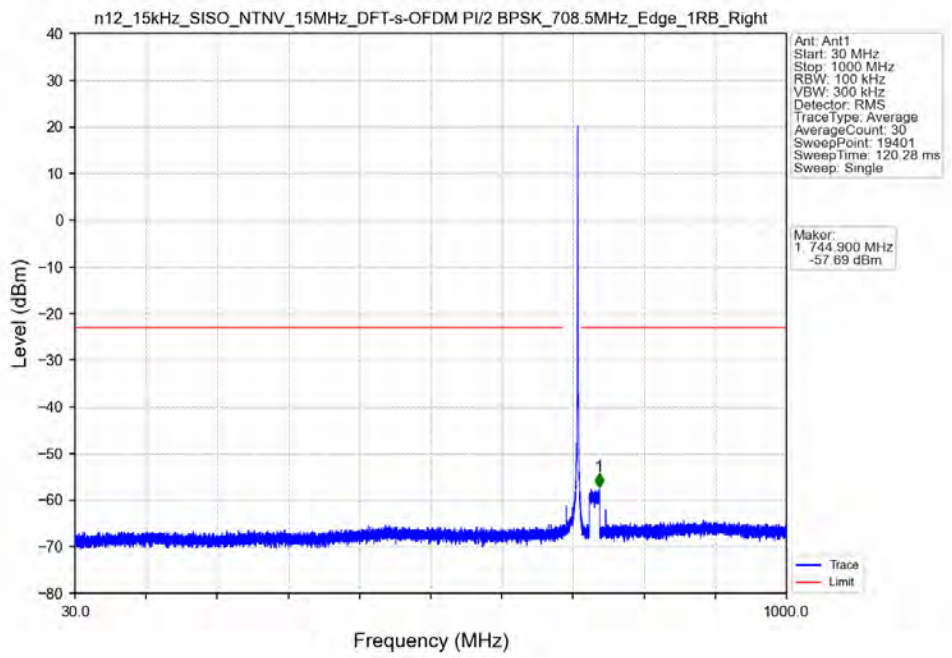

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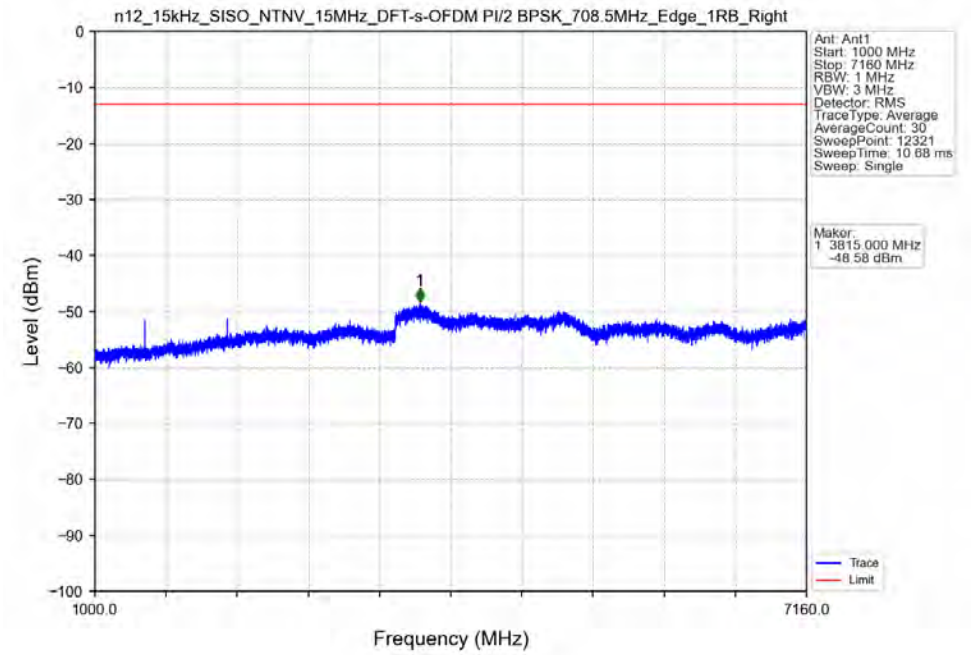

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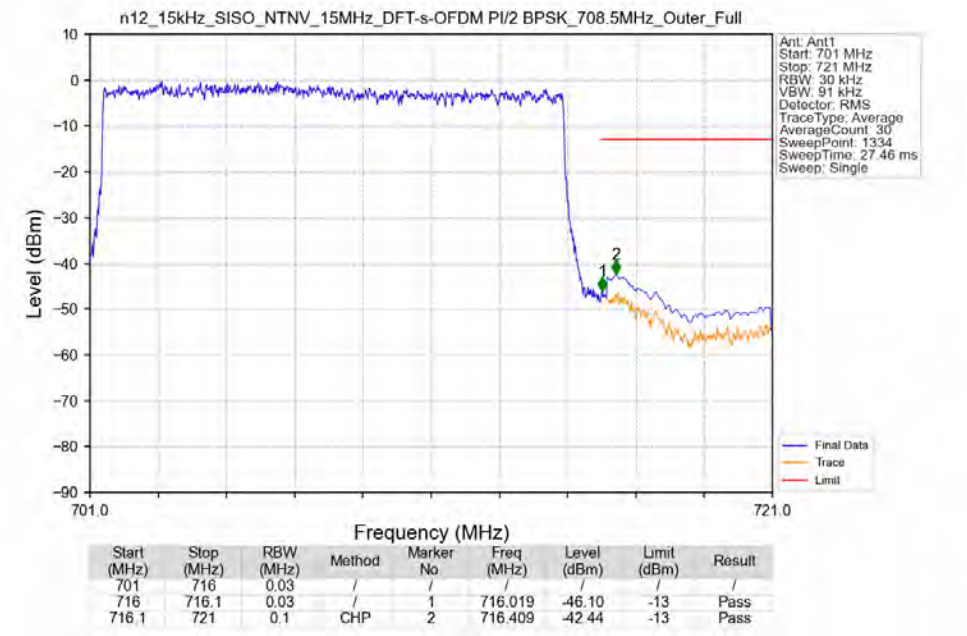
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_708.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.019	-46.10	-13	Pass
716.1	721	0.1	CHP	2	716.409	-42.44	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM PI/2 BPSK_708.5MHz_Inner_1RB_Right

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Shenzhen Branch

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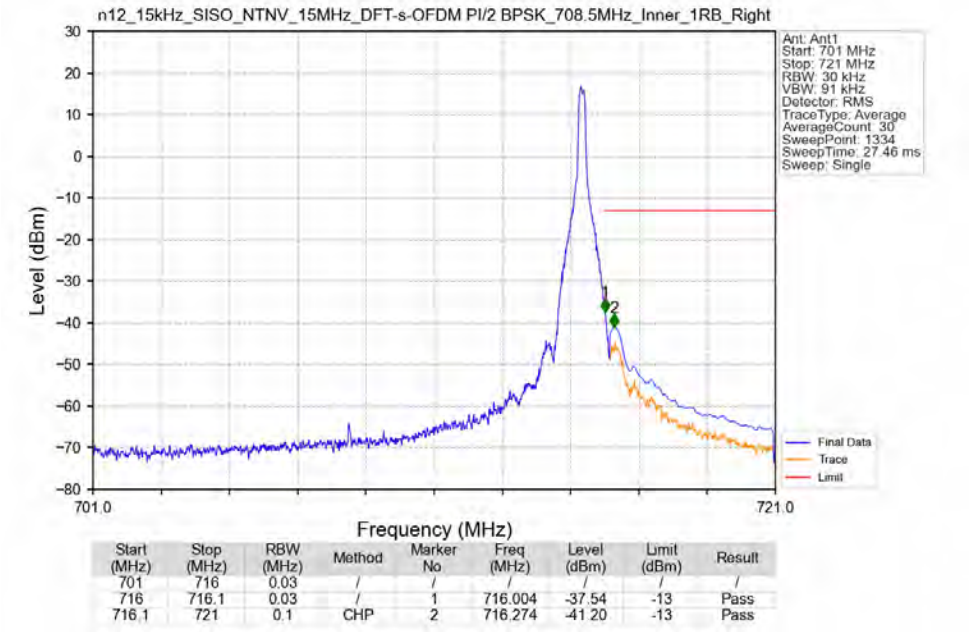
Rev.: 01
Page: 316 of 353



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.004	-37.54	-13	Pass
716.1	721	0.1	CHP	2	716.274	-41.20	-13	Pass

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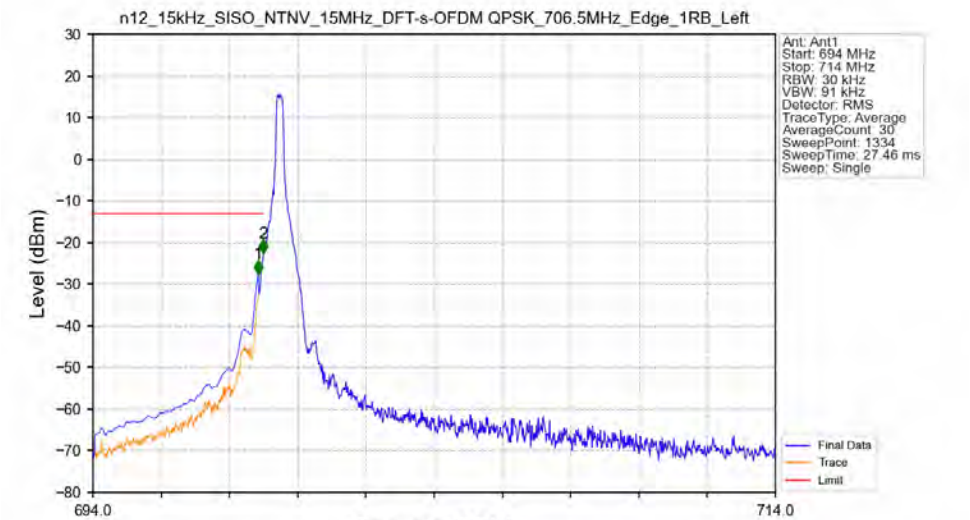

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-27.55	-13	Pass
698.9	699	0.03	/	2	698.996	-22.59	-13	Pass
699	714	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_706.5MHz_Edge_1RB_Left

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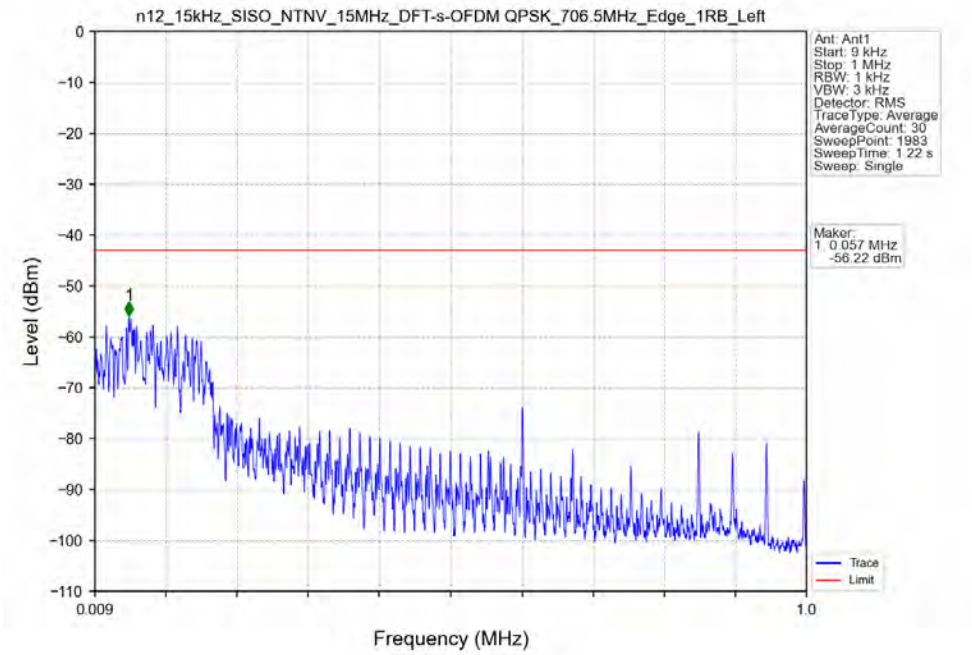

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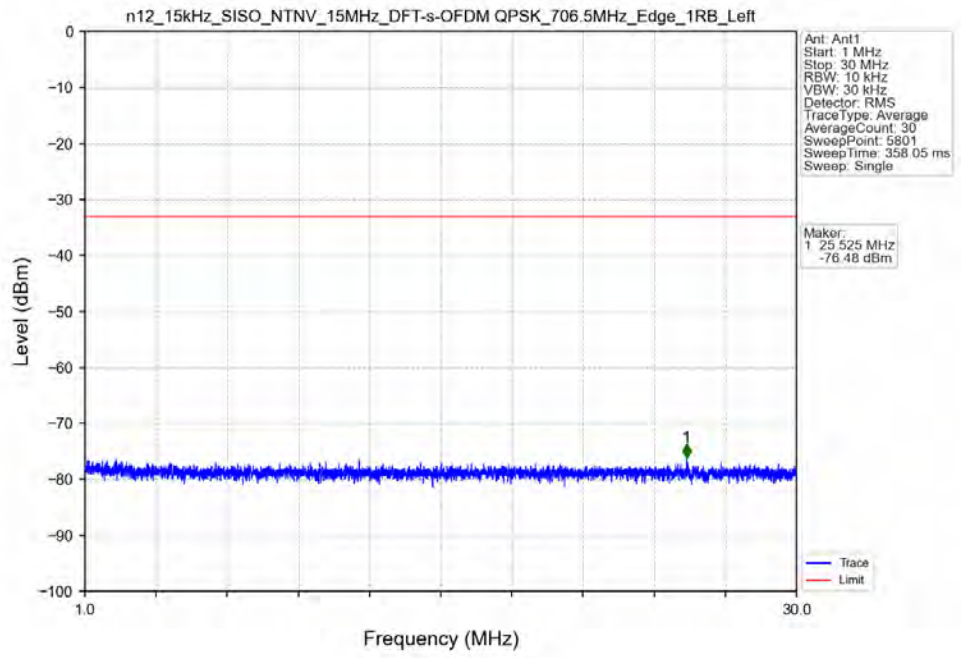

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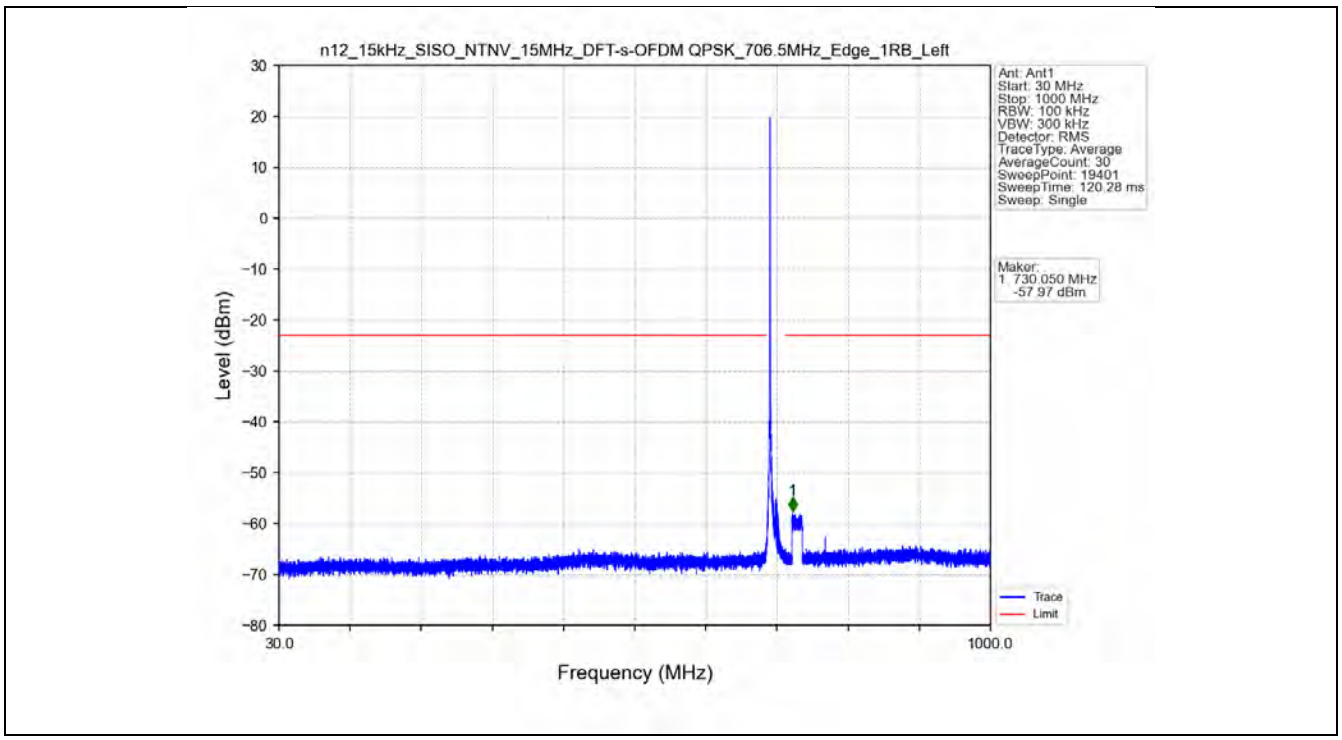

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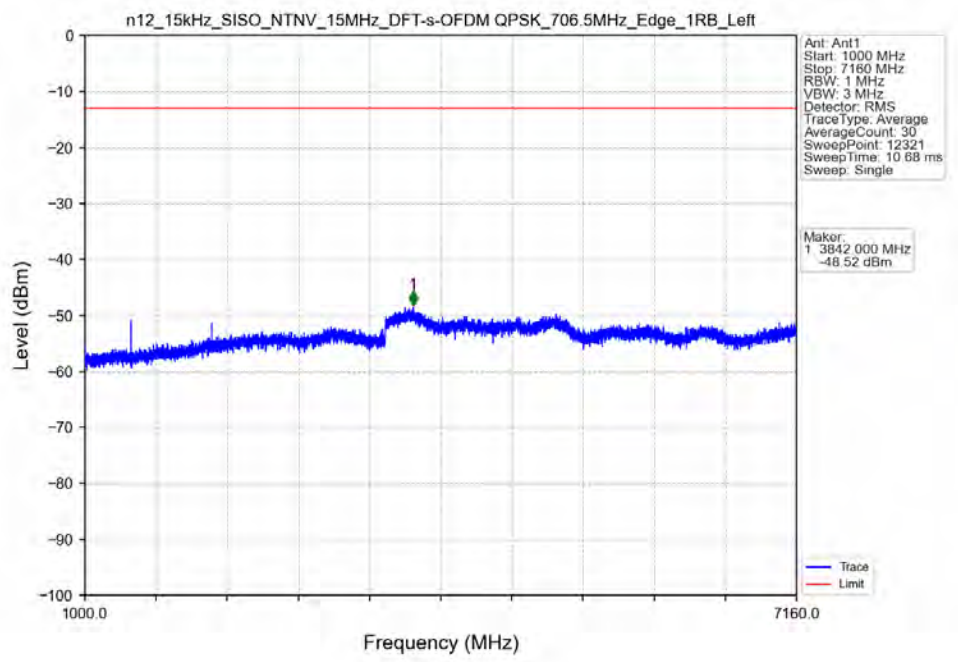

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_706.5MHz_Outer_Full

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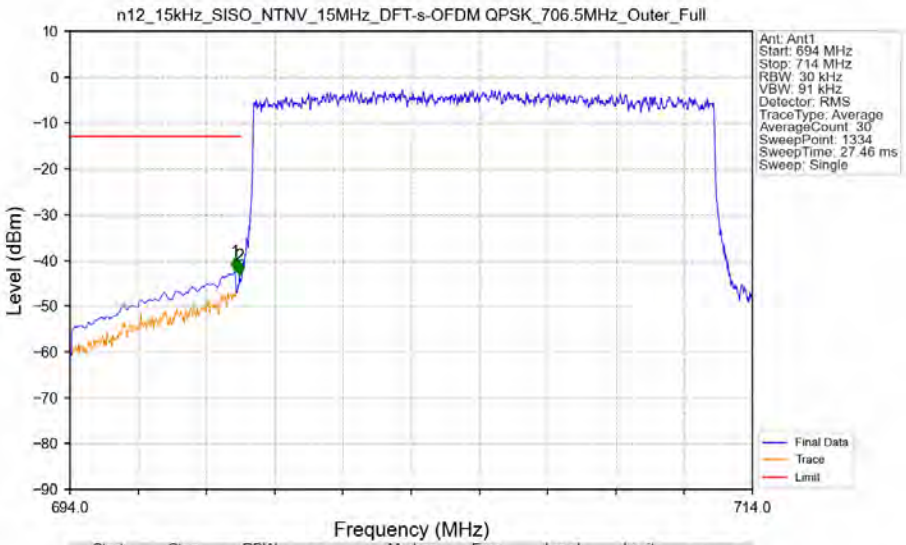

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-42.41	-13	Pass
698.9	699	0.03	/	2	698.966	-43.26	-13	Pass
699	714	0.03	/	/	/	/	/	/

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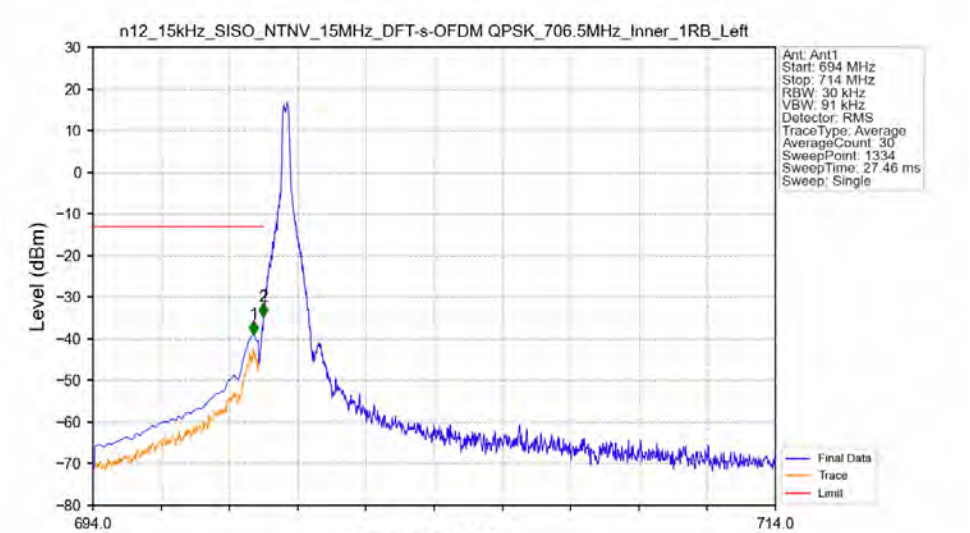
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_706.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.711	-38.98	-13	Pass
698.9	699	0.03	/	2	698.996	-34.71	-13	Pass
699	714	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_707.5MHz_Edge_1RB_Left

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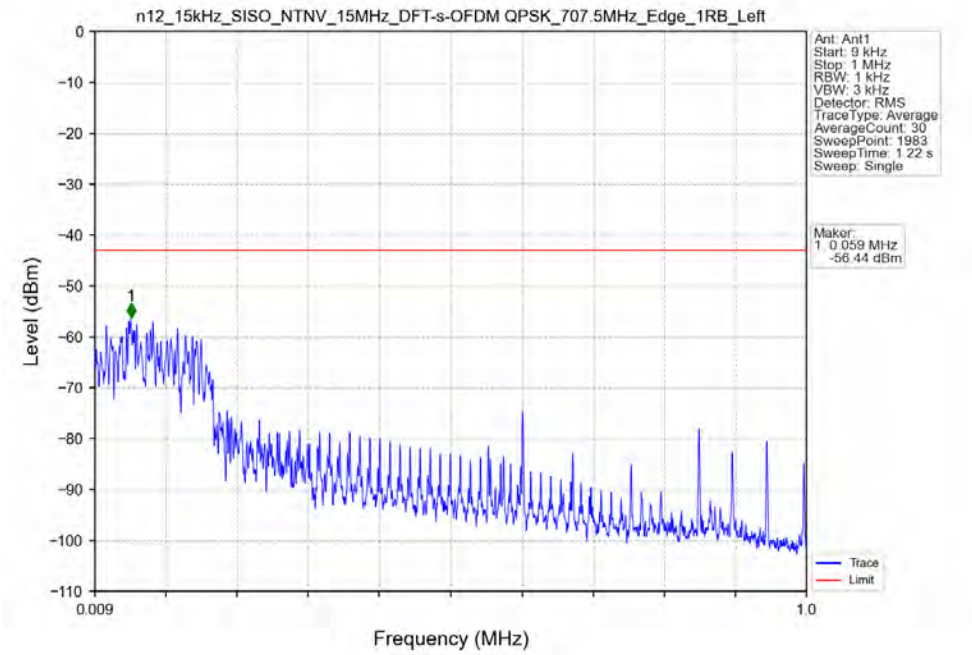
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01
Page: 324 of 353



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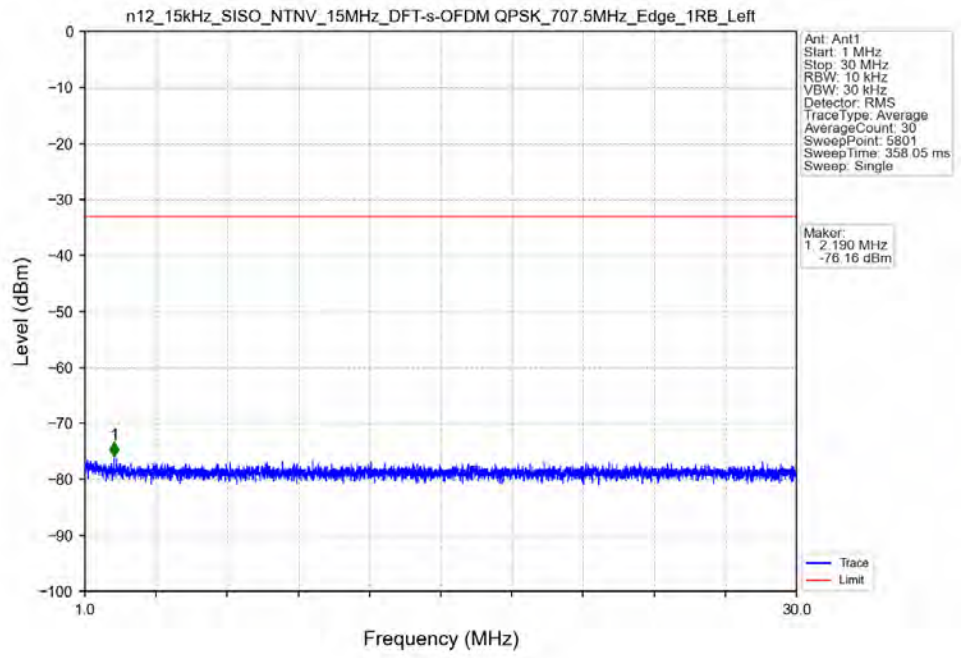
n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_707.5MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_707.5MHz_Edge_1RB_Left

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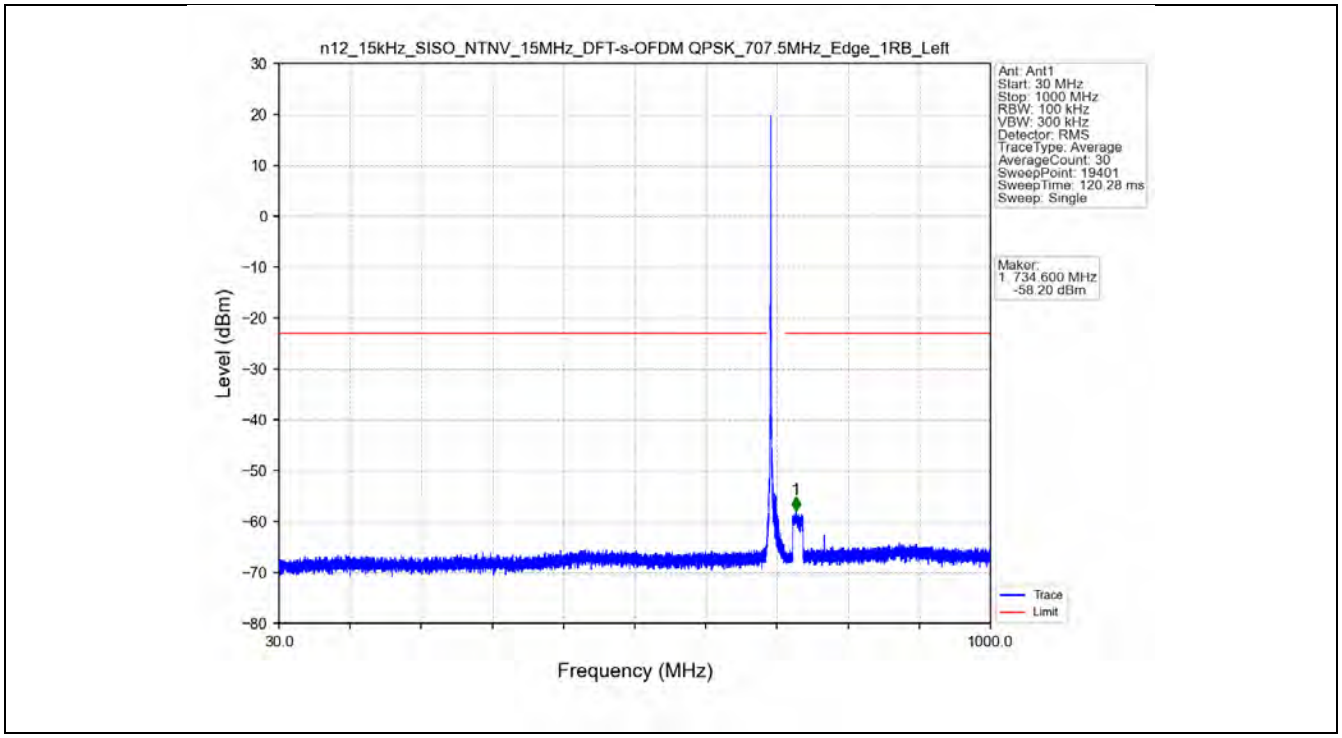

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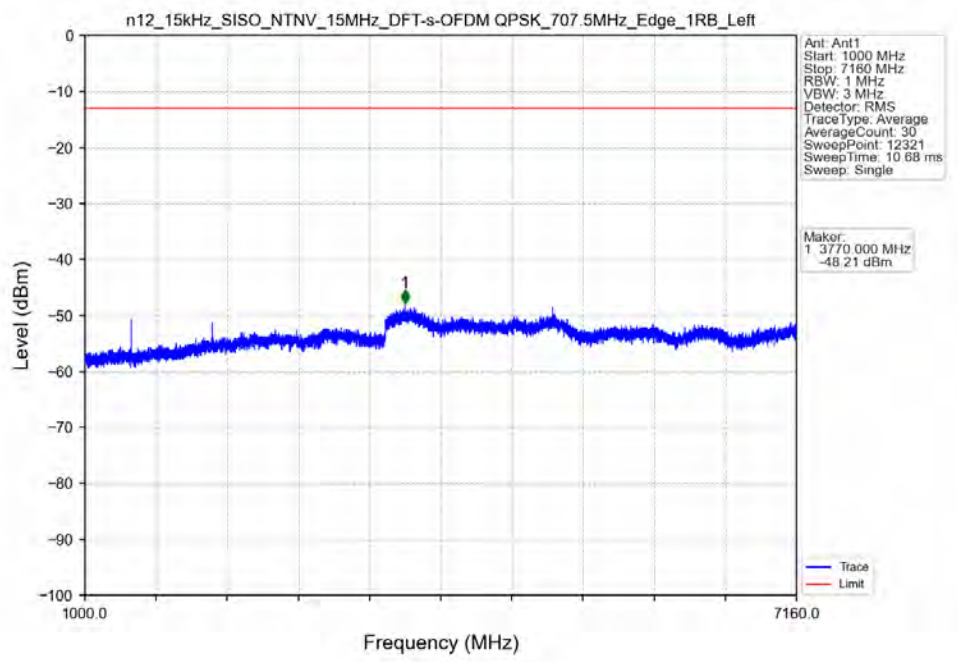

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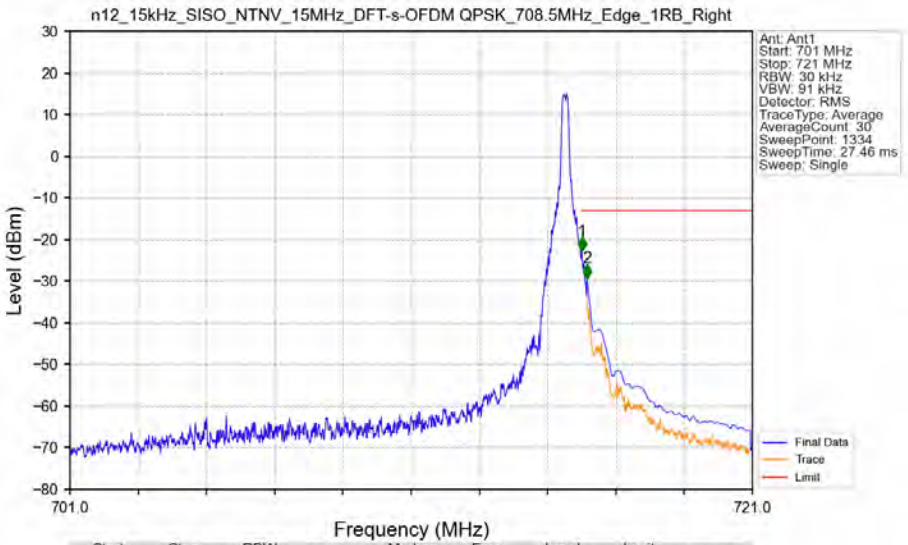

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.004	-22.77	-13	Pass
716.1	721	0.1	CHP	2	716.154	-29.30	-13	Pass

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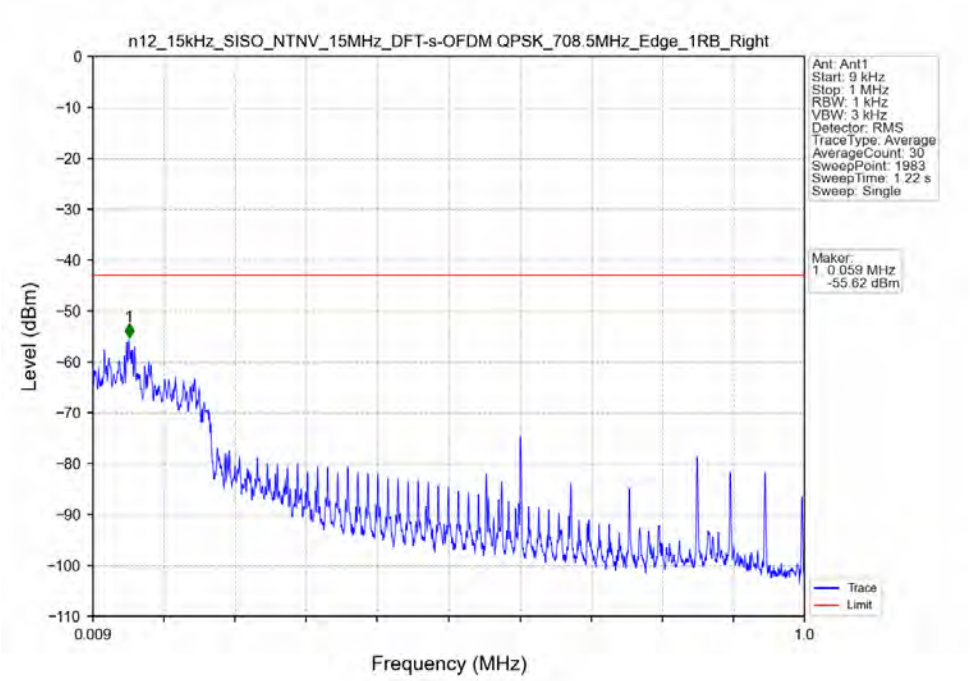

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Shenzhen Branch

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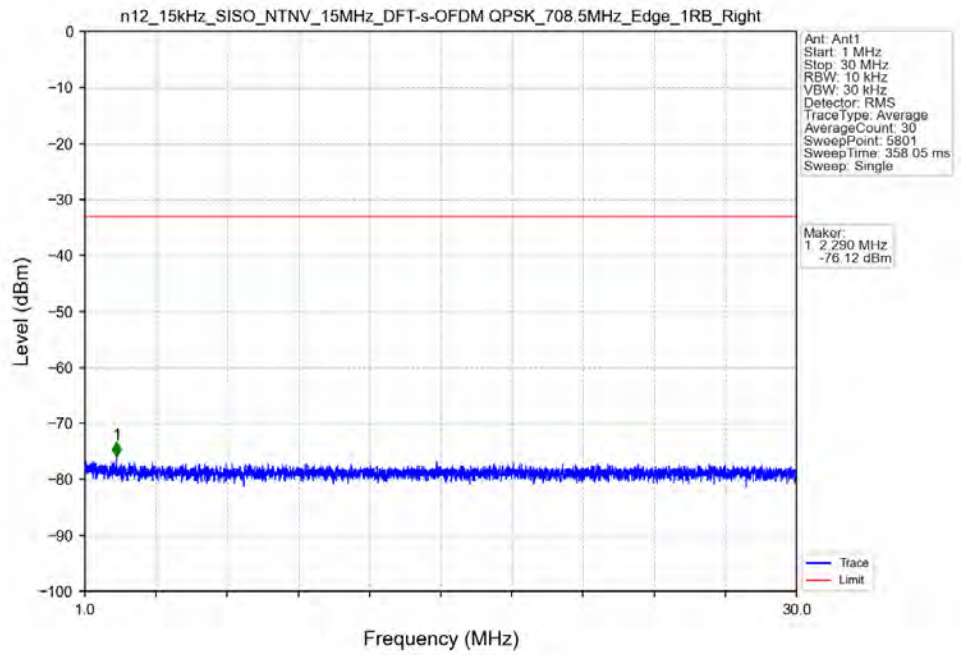
Page: 330 of 353



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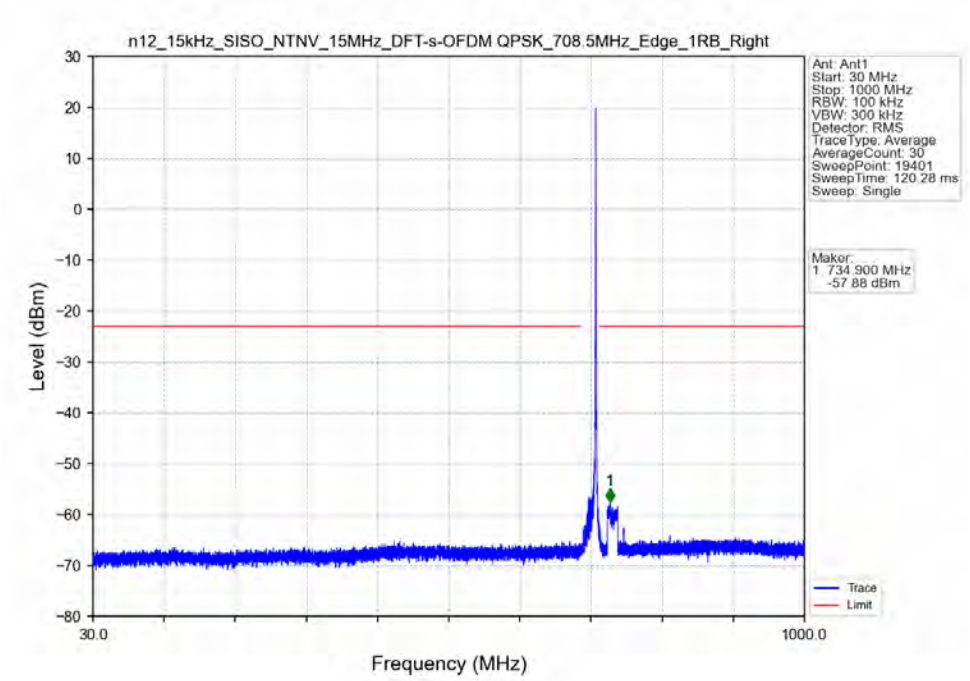

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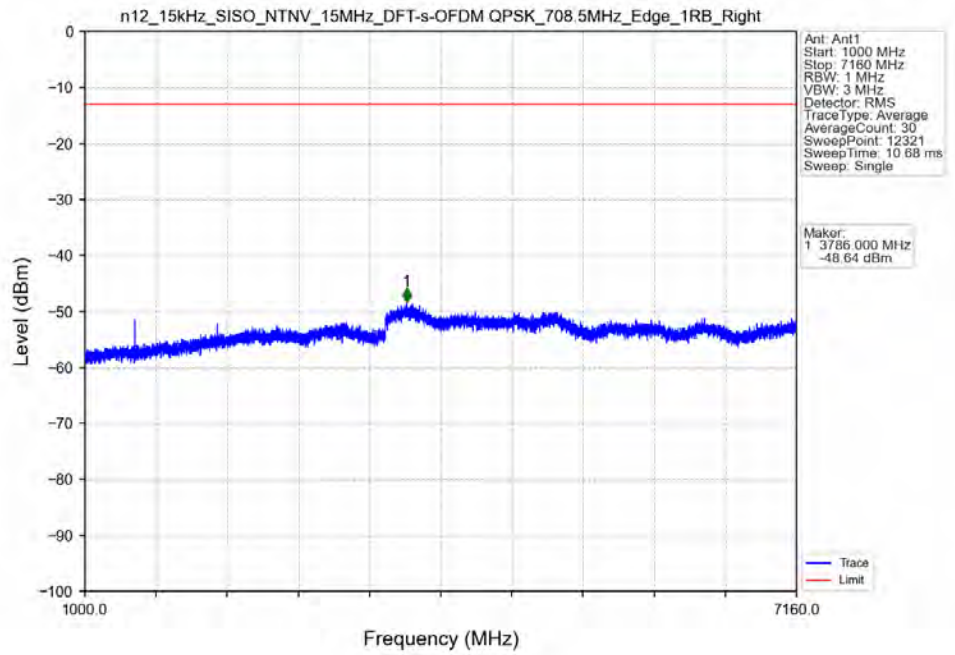

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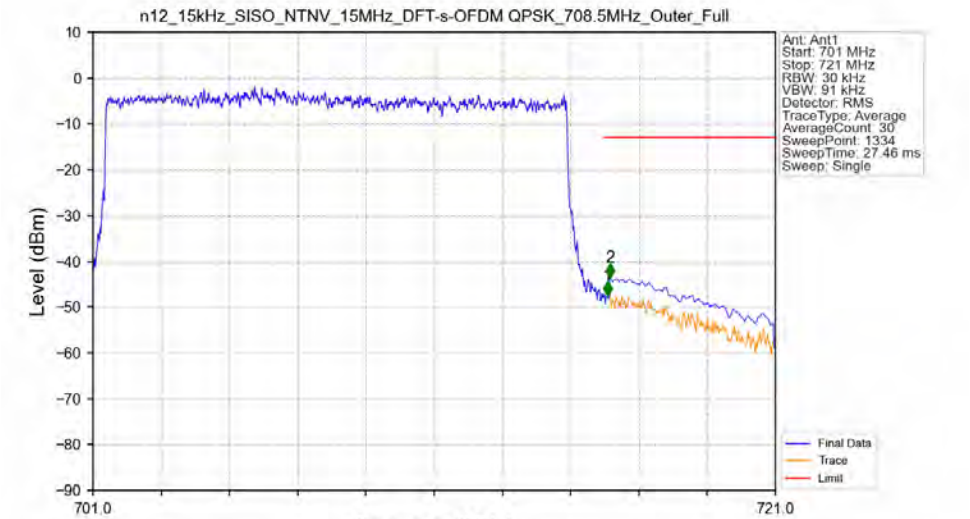

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.079	-47.40	-13	Pass
716.1	721	0.1	CHP	2	716.154	-43.54	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_DFT-s-OFDM QPSK_708.5MHz_Inner_1RB_Right

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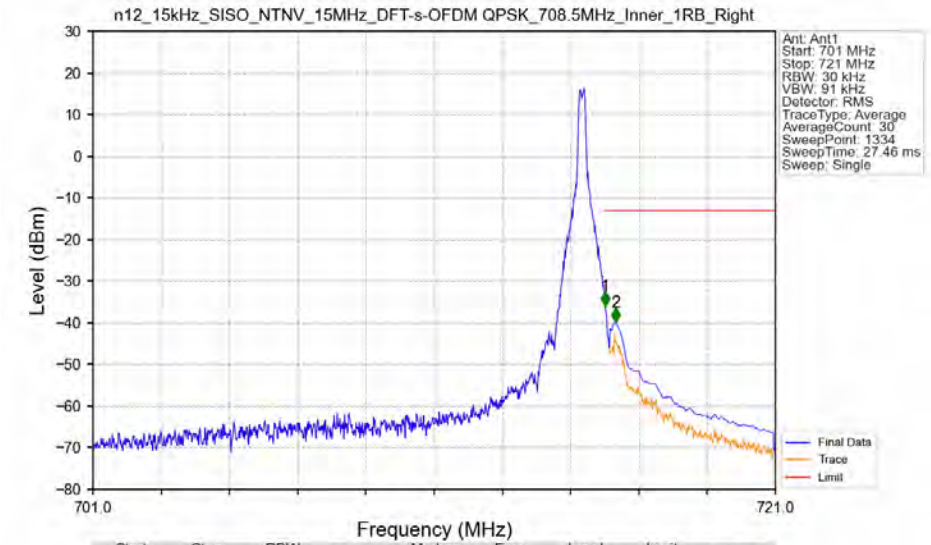

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.004	-35.92	-13	Pass
716.1	721	0.1	CHP	2	716.319	-39.92	-13	Pass

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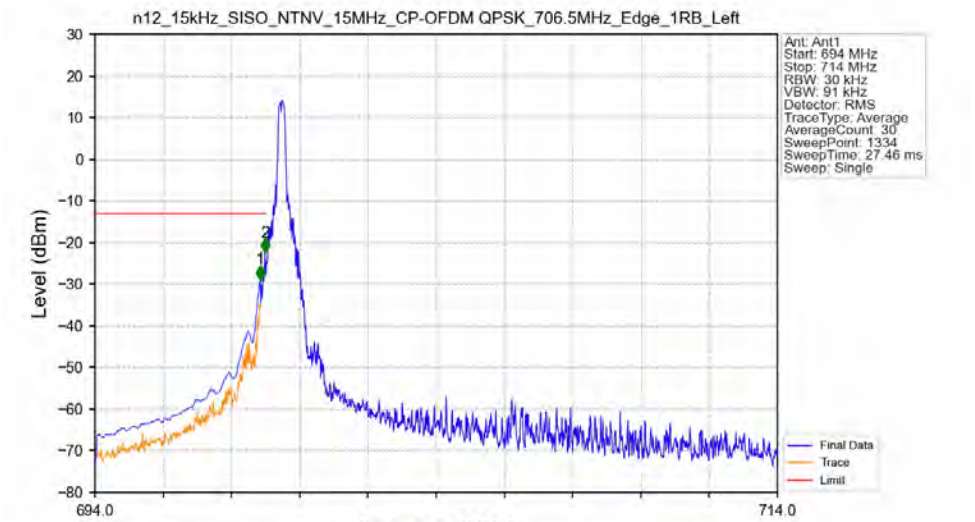

Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-28.90	-13	Pass
698.9	699	0.03	/	2	698.981	-22.42	-13	Pass
699	714	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Edge_1RB_Left

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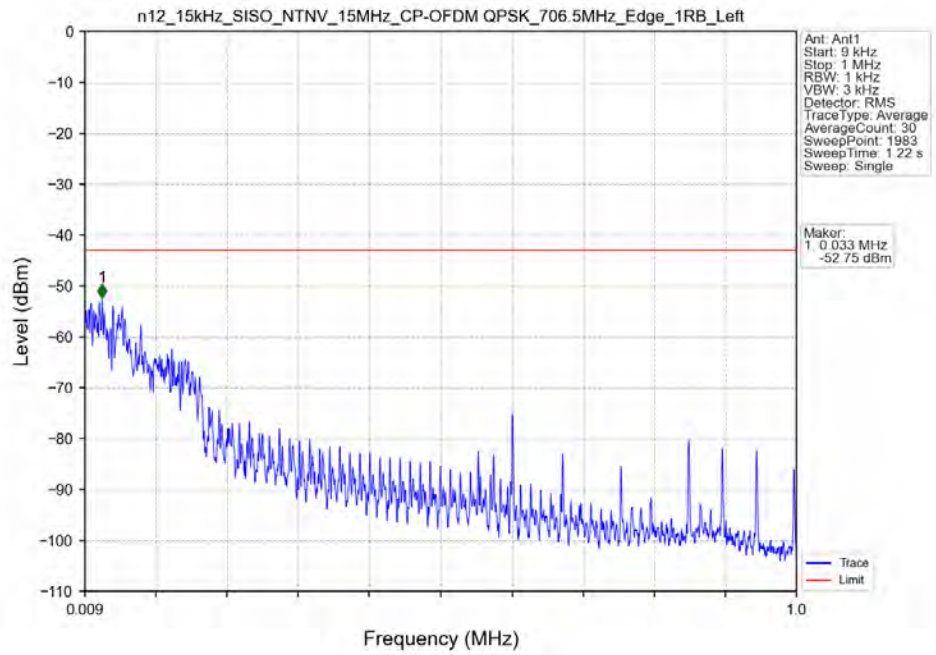
Page: 336 of 353



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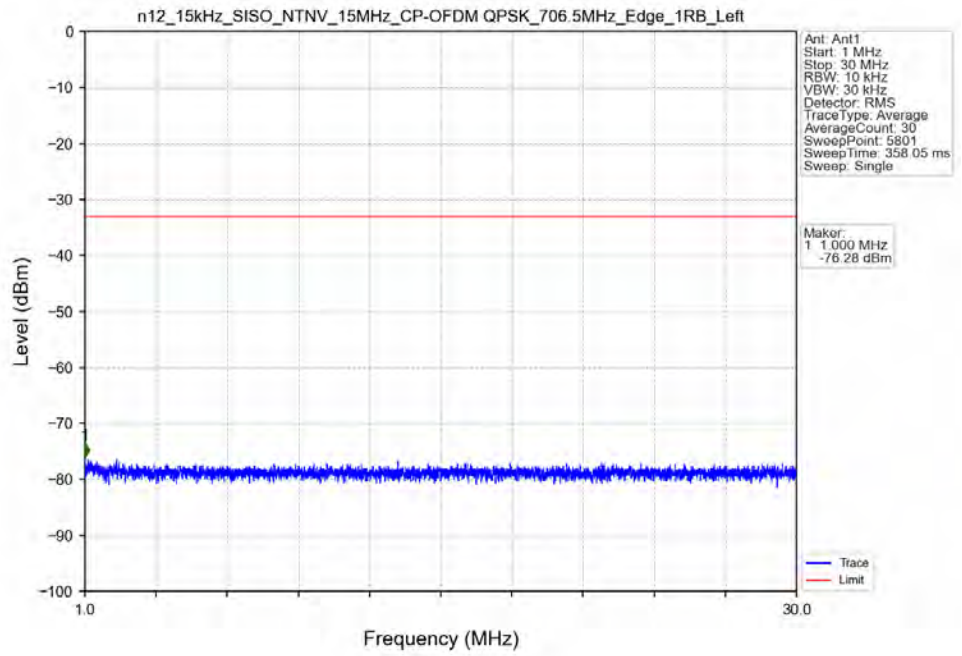
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Edge_1RB_Left

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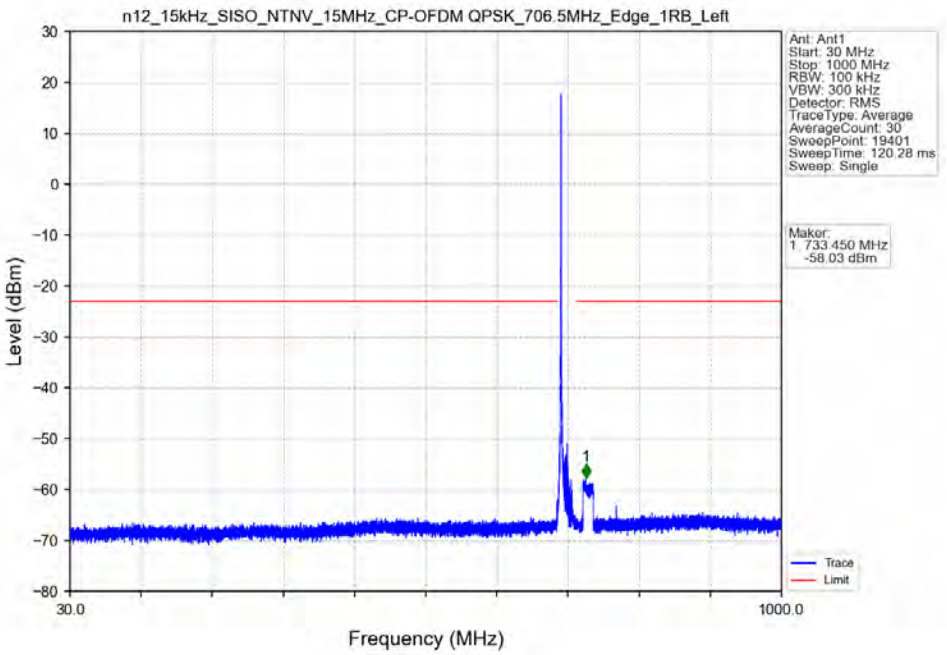
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01
Page: 338 of 353



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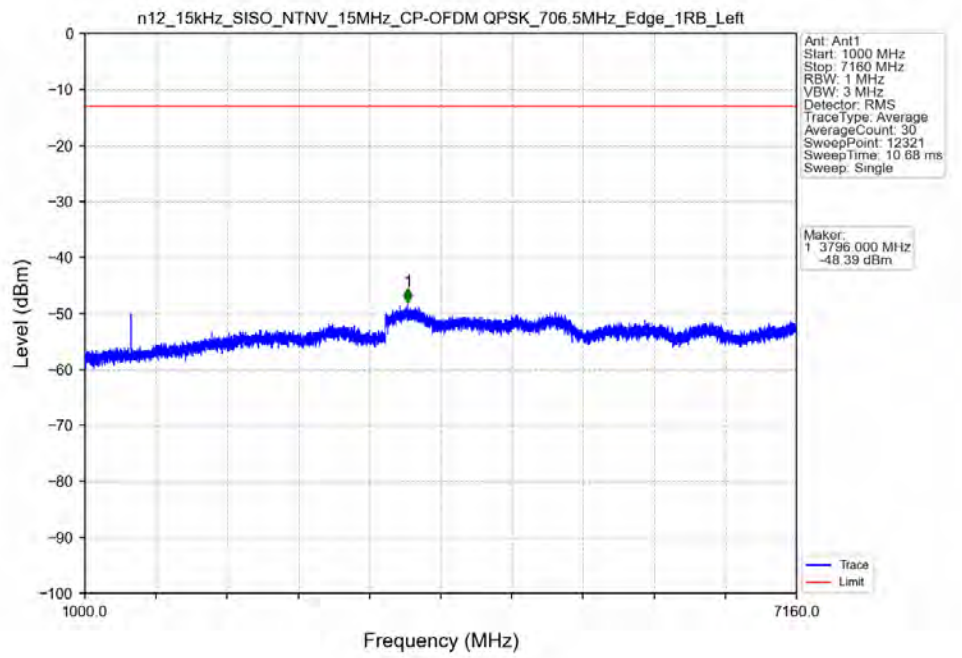
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Outer_Full

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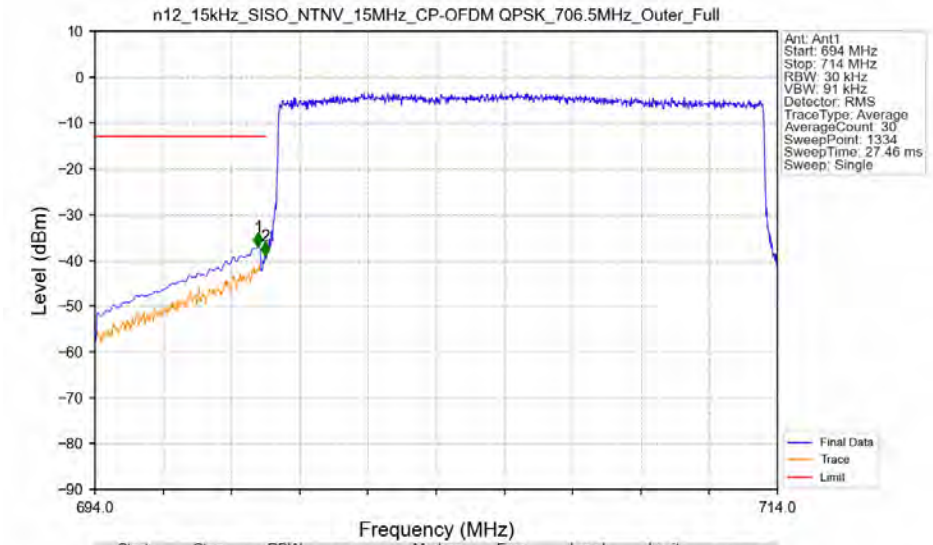
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01
Page: 340 of 353



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.786	-37.14	-13	Pass
698.9	699	0.03	/	2	698.981	-39.10	-13	Pass
699	714	0.03	/	/	/	/	/	/

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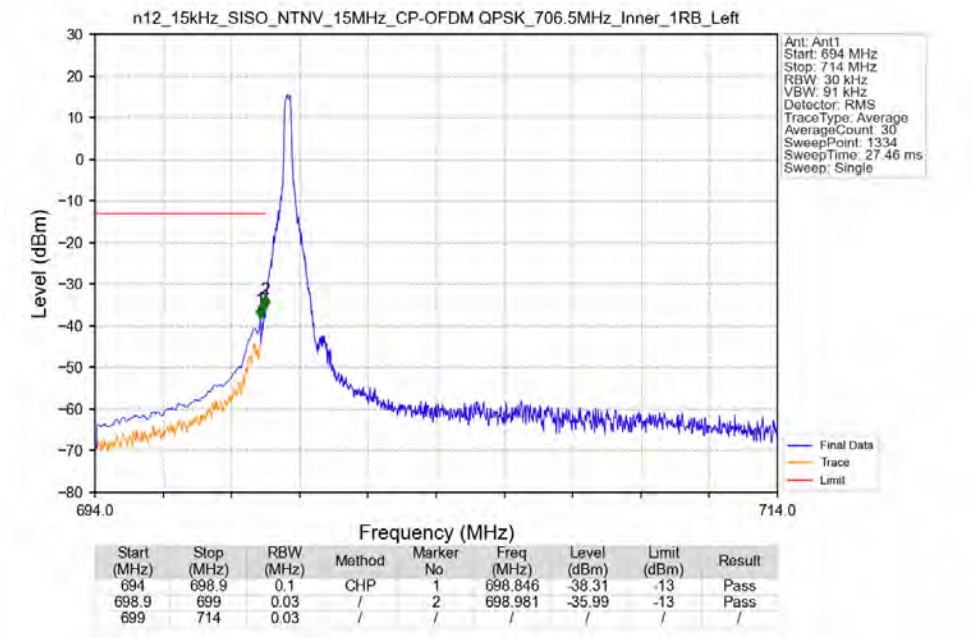
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_706.5MHz_Inner_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	698.9	0.1	CHP	1	698.846	-38.31	-13	Pass
698.9	699	0.03	/	2	698.981	-35.99	-13	Pass
699	714	0.03	/	/	/	/	/	/

n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left

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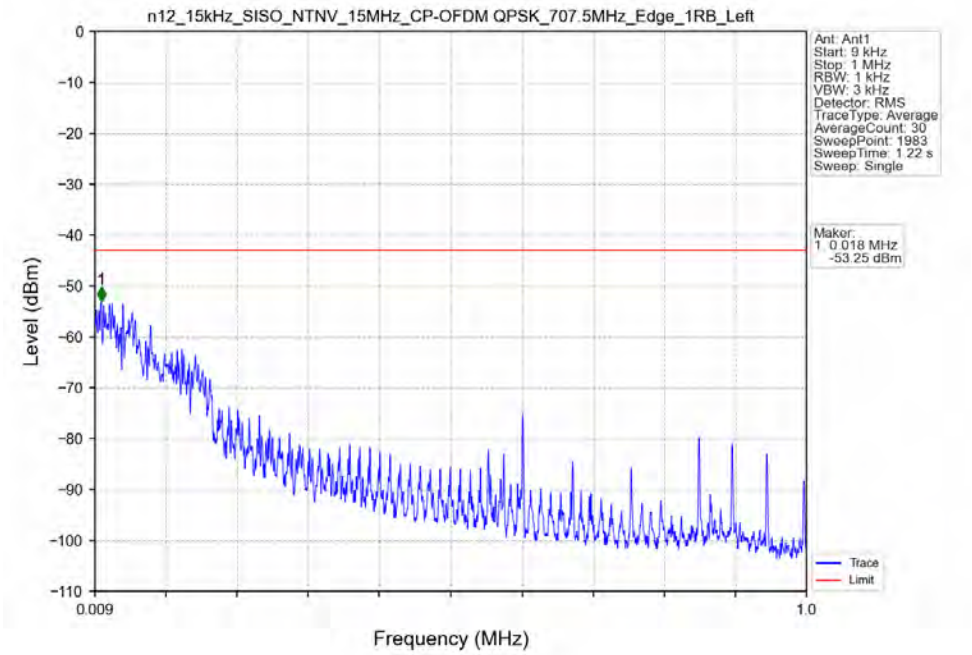

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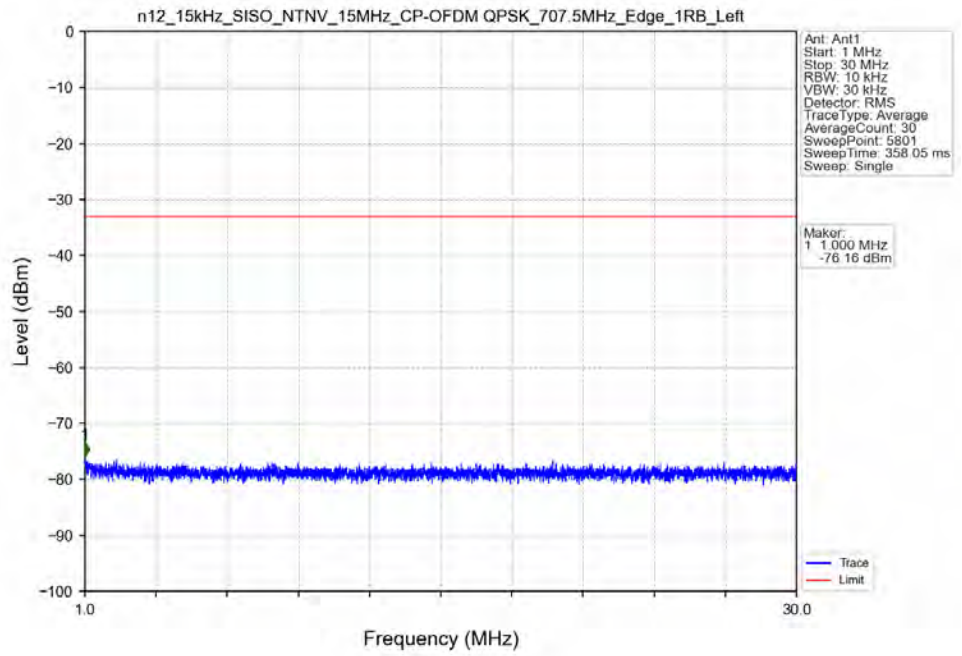
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left



n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_707.5MHz_Edge_1RB_Left

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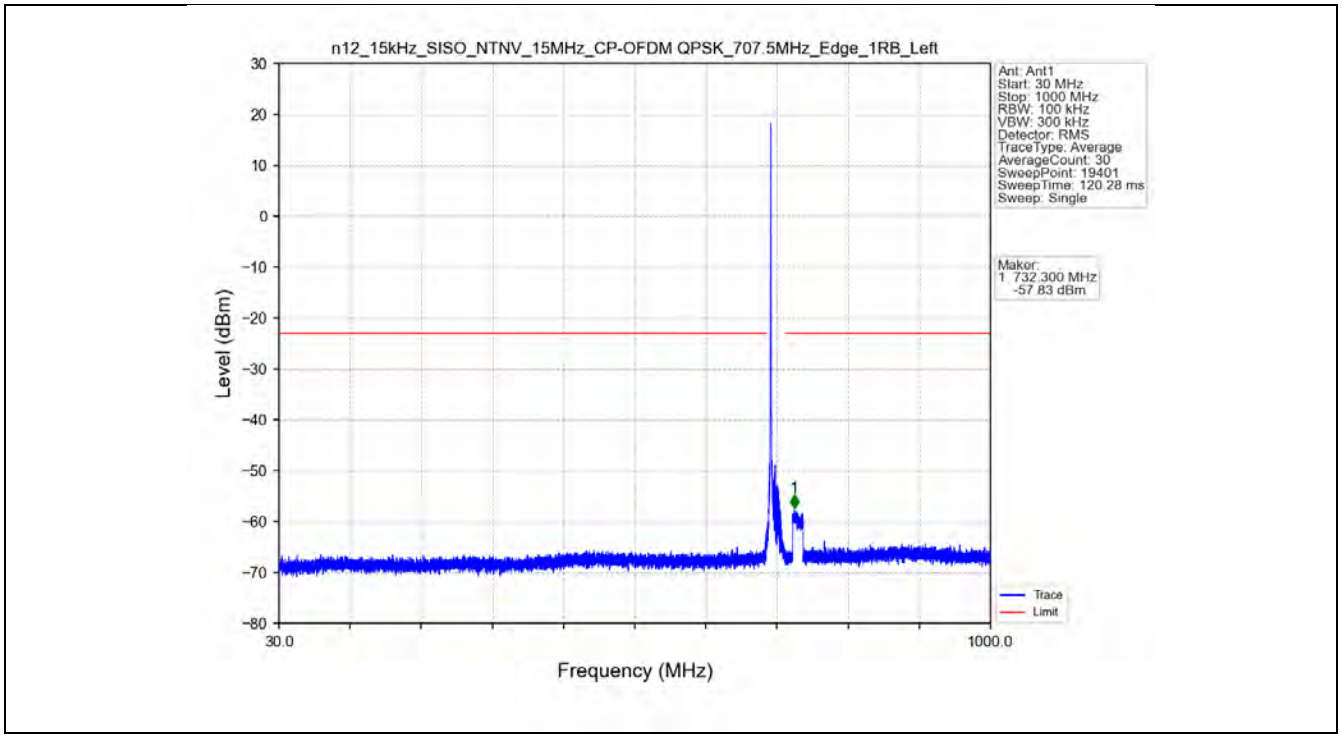

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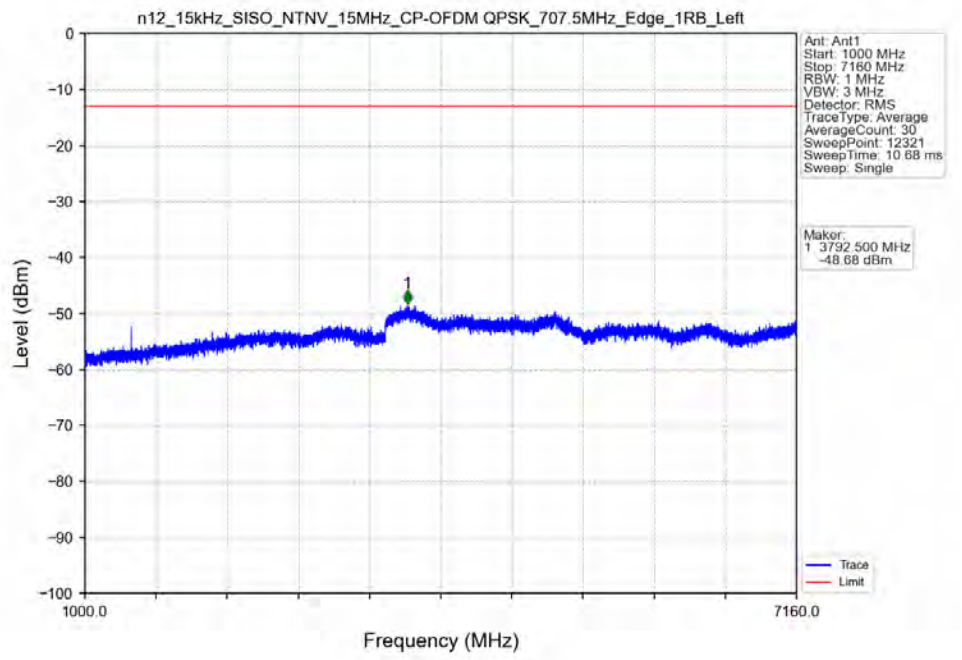

n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_708.5MHz_Edge_1RB_Right

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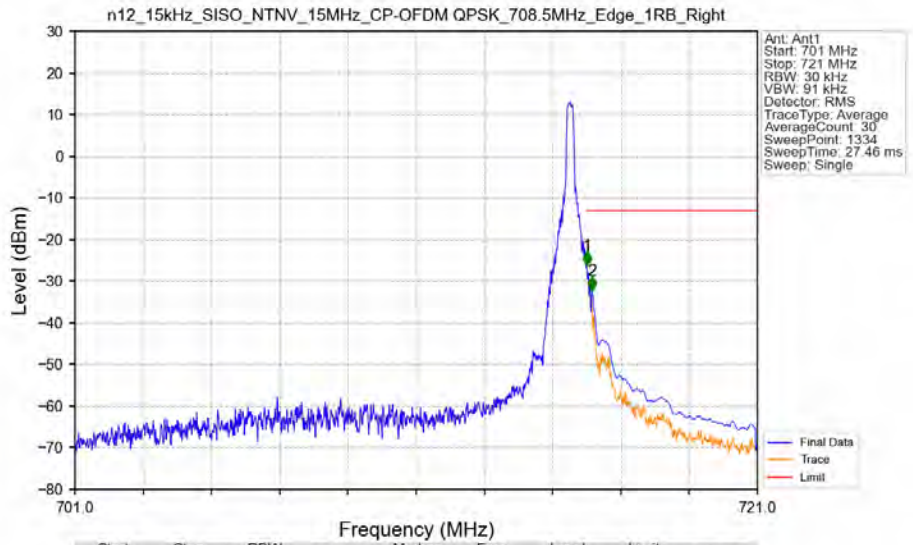
Rev.: 01
Page: 346 of 353



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.004	-26.27	-13	Pass
716.1	721	0.1	CHP	2	716.154	-32.35	-13	Pass

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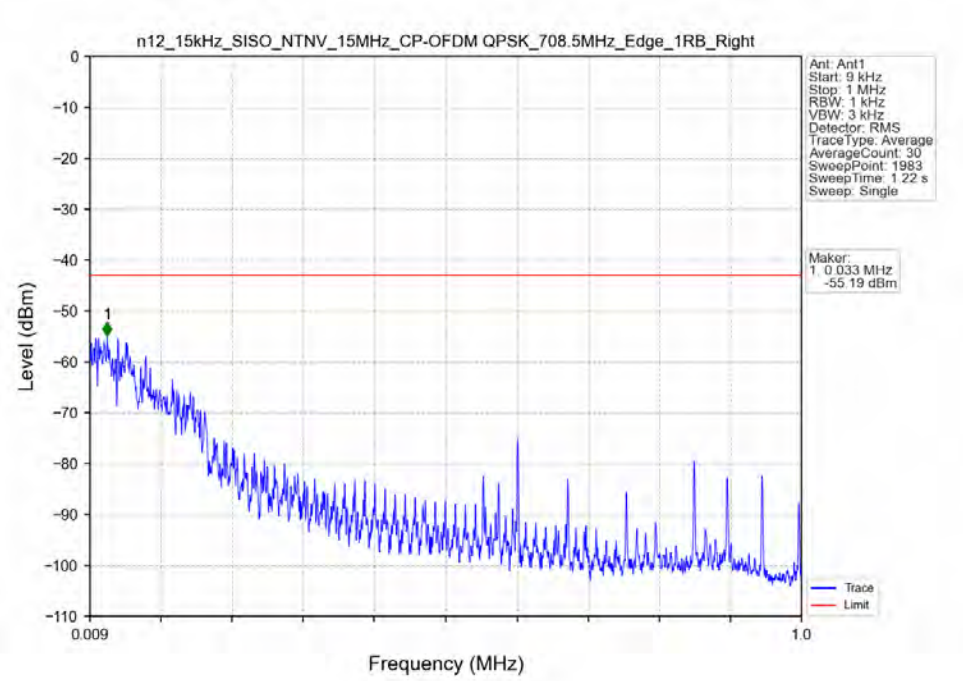
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_708.5MHz_Edge_1RB_Right



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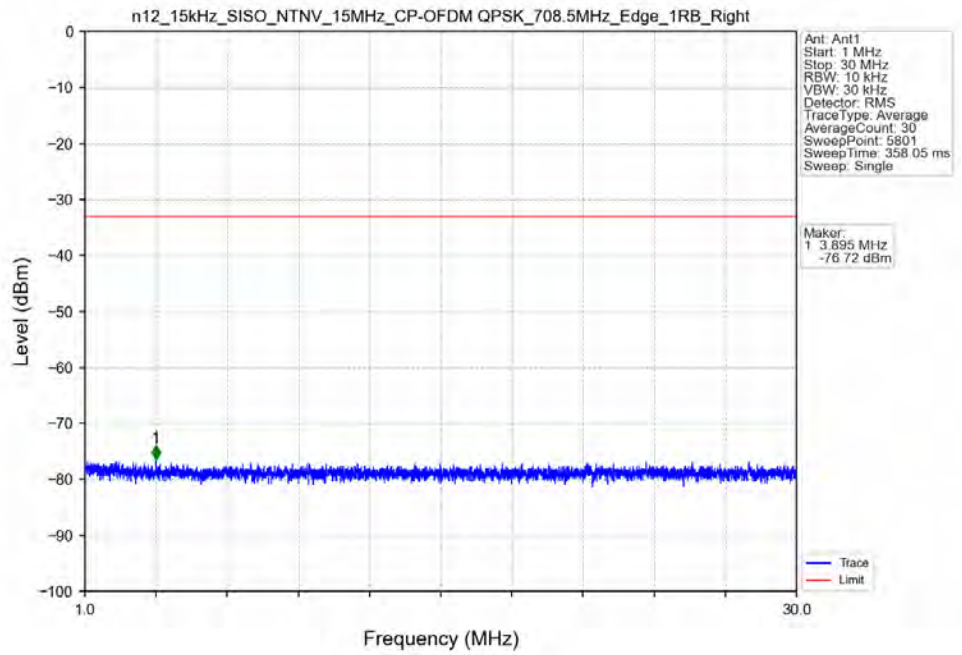

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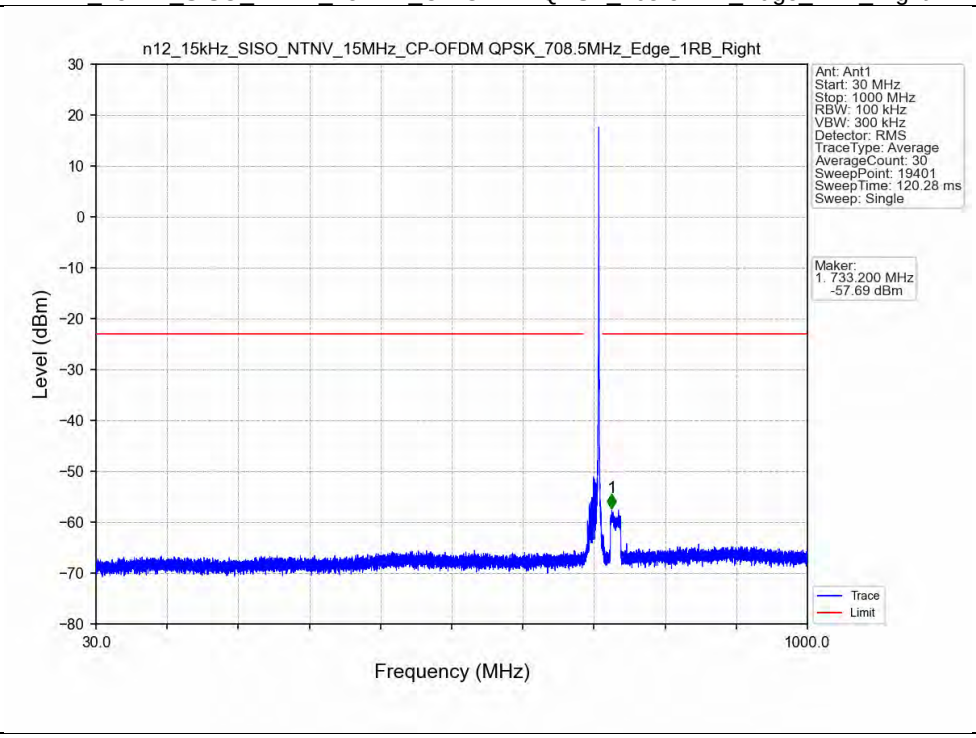

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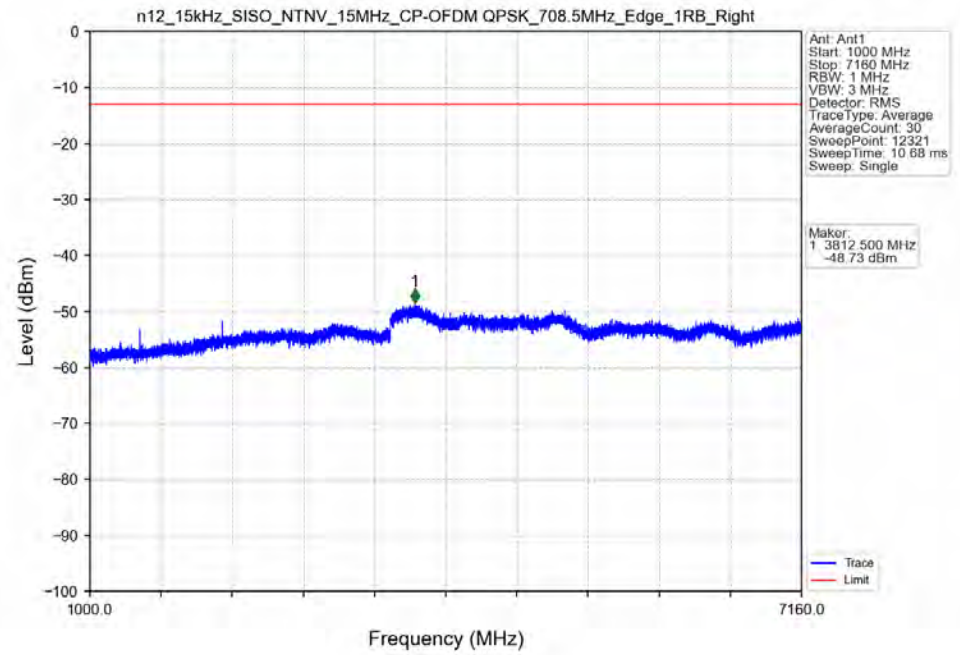

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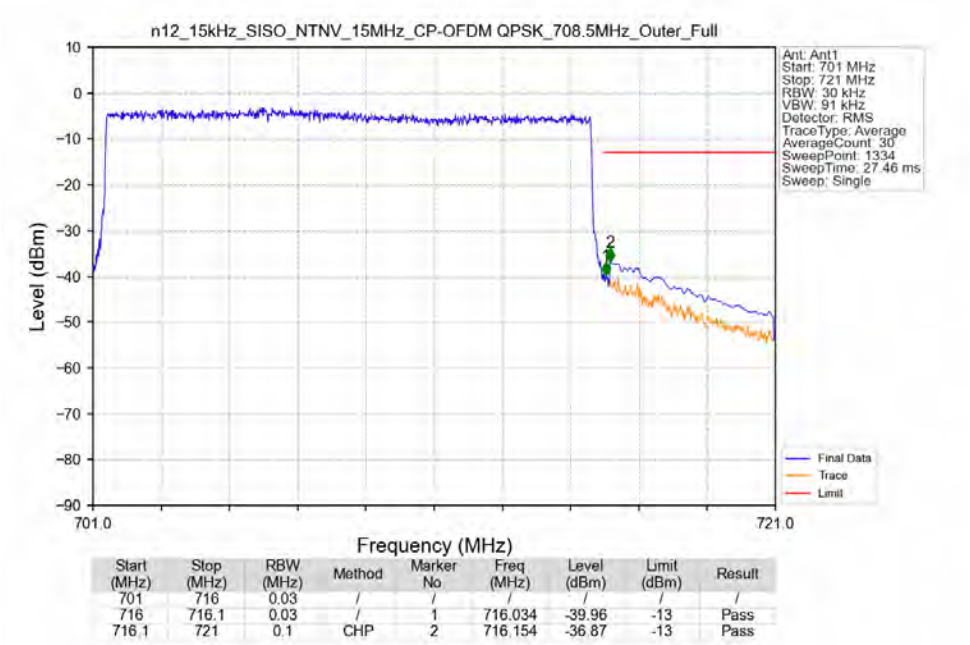
n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_708.5MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.034	-39.96	-13	Pass
716.1	721	0.1	CHP	2	716.154	-36.87	-13	Pass

n12_15kHz_SISO_NTNV_15MHz_CP-OFDM QPSK_708.5MHz_Inner_1RB_Right

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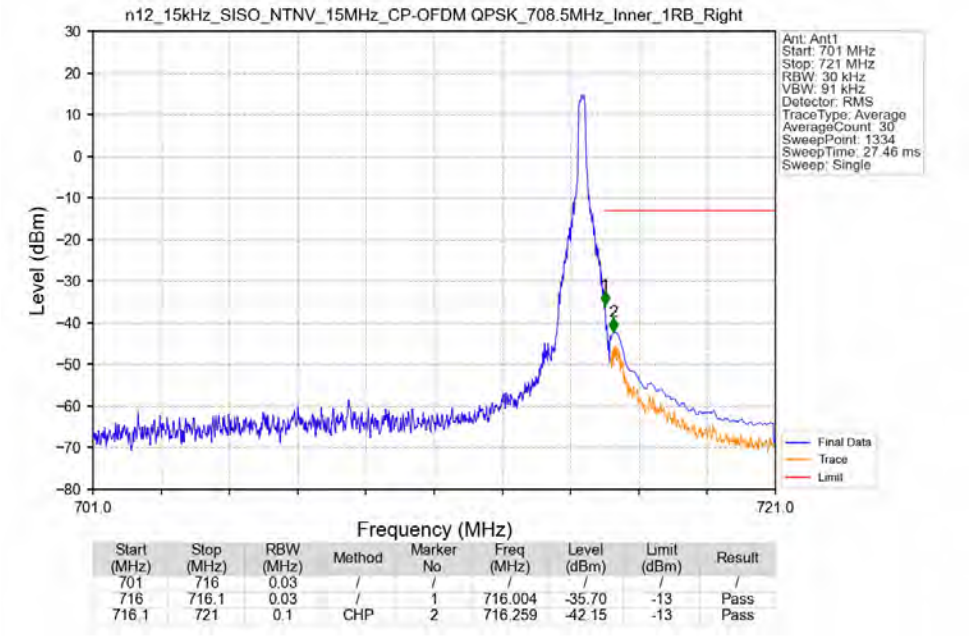
SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

Report No.: SZCR240100038409
Rev.: 01



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
701	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.004	-35.70	-13	Pass
716.1	721	0.1	CHP	2	716.259	-42.15	-13	Pass

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6. Field Strength of Spurious Radiation

NR Band 12-Low channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1399.5	-65.89	-13	-52.89	-66.96	1.64	2.71	Horizontal	Pass
2099.25	-61.69	-13	-48.69	-63.96	2.35	4.62	Horizontal	Pass
2799	-58.68	-13	-45.68	-61.835	2.66	5.82	Horizontal	Pass
1399.5	-62.81	-13	-49.81	-63.88	1.64	2.71	Vertical	Pass
2099.25	-61.48	-13	-48.48	-63.75	2.35	4.62	Vertical	Pass
2799	-59.75	-13	-46.75	-62.905	2.66	5.82	Vertical	Pass

NR Band 12-Middle channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1401.5	-65.13	-13	-52.13	-66.2	1.64	2.71	Horizontal	Pass
2102.25	-62.01	-13	-49.01	-64.28	2.35	4.62	Horizontal	Pass
2803	-59.22	-13	-46.22	-62.375	2.66	5.82	Horizontal	Pass
1401.5	-63.09	-13	-50.09	-64.16	1.64	2.71	Vertical	Pass
2102.25	-62.63	-13	-49.63	-64.9	2.35	4.62	Vertical	Pass
2803	-57.58	-13	-44.58	-60.735	2.66	5.82	Vertical	Pass

NR Band 12-High channel, Modulation: QPSK, Bandwidth:15MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1403.5	-65.80	-13	-52.80	-66.87	1.64	2.71	Horizontal	Pass
2105.25	-61.67	-13	-48.67	-63.94	2.35	4.62	Horizontal	Pass
2807	-58.18	-13	-45.18	-61.335	2.66	5.82	Horizontal	Pass
1403.5	-62.30	-13	-49.30	-63.37	1.64	2.71	Vertical	Pass
2105.25	-62.61	-13	-49.61	-64.88	2.35	4.62	Vertical	Pass
2807	-58.19	-13	-45.19	-61.345	2.66	5.82	Vertical	Pass

---End of Attachment---

检验检测专用章 Inspection & Testing Services

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