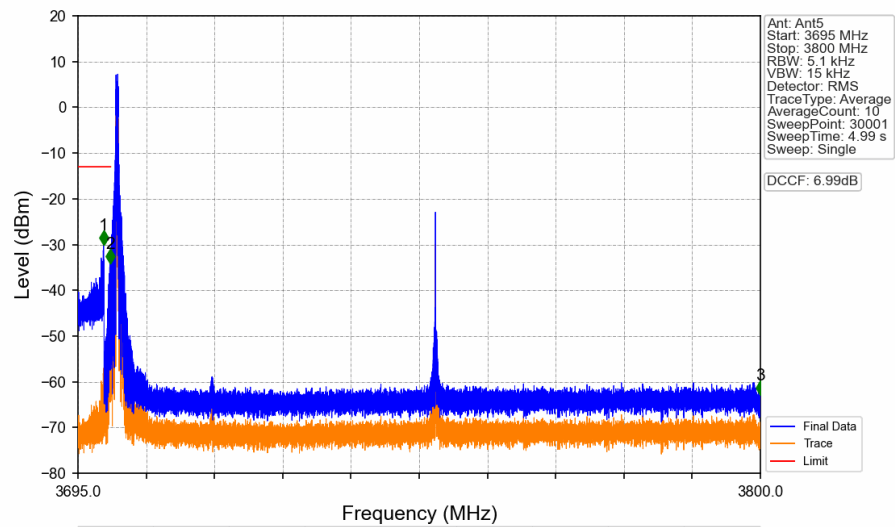
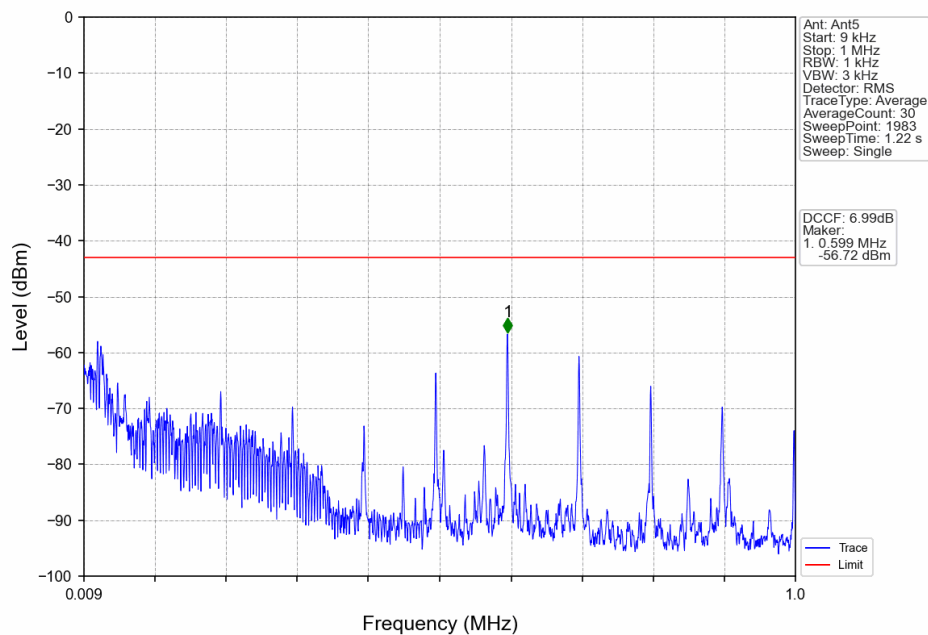


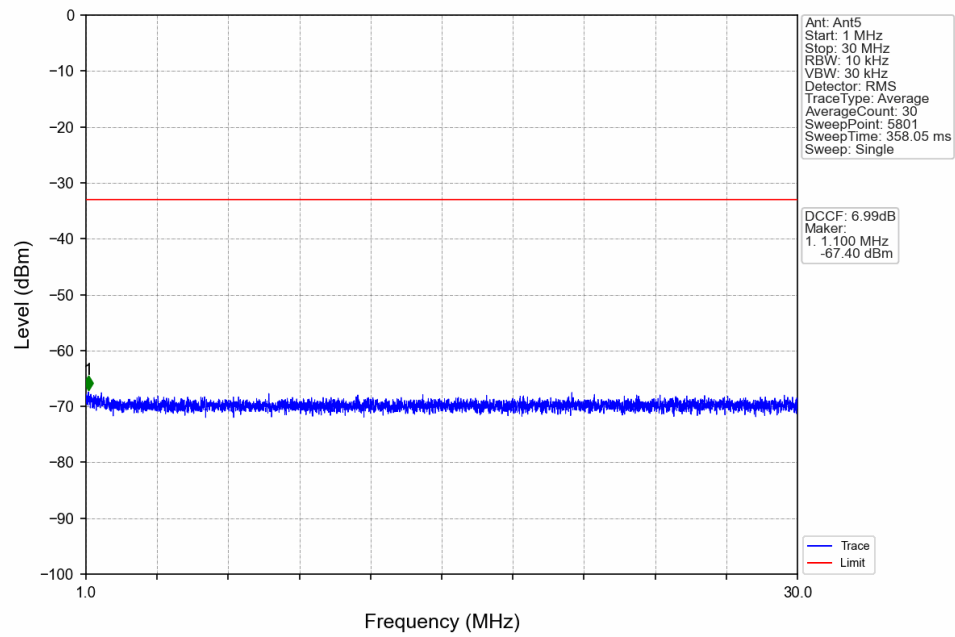
n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Left



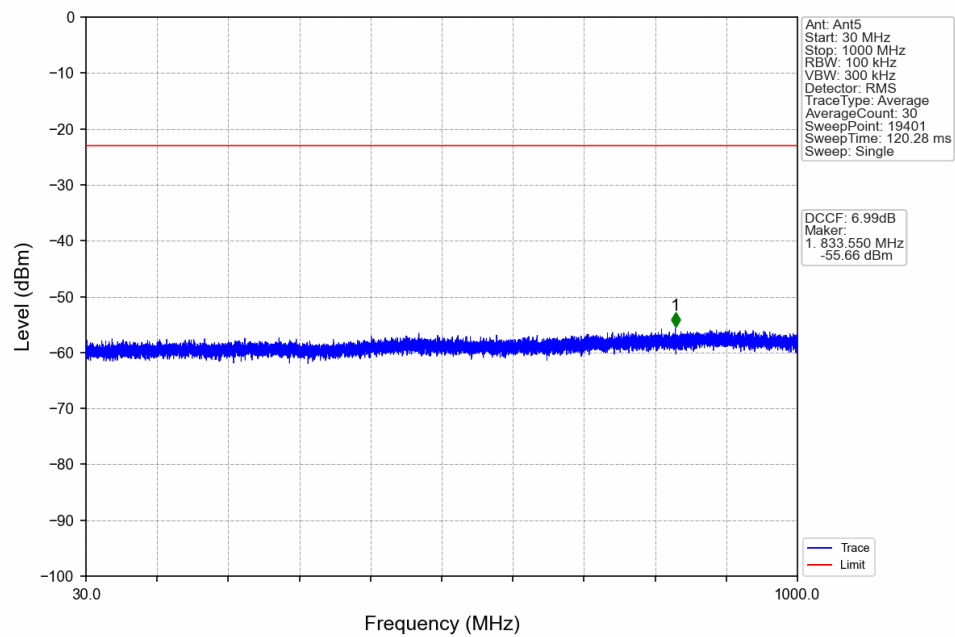
n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Left



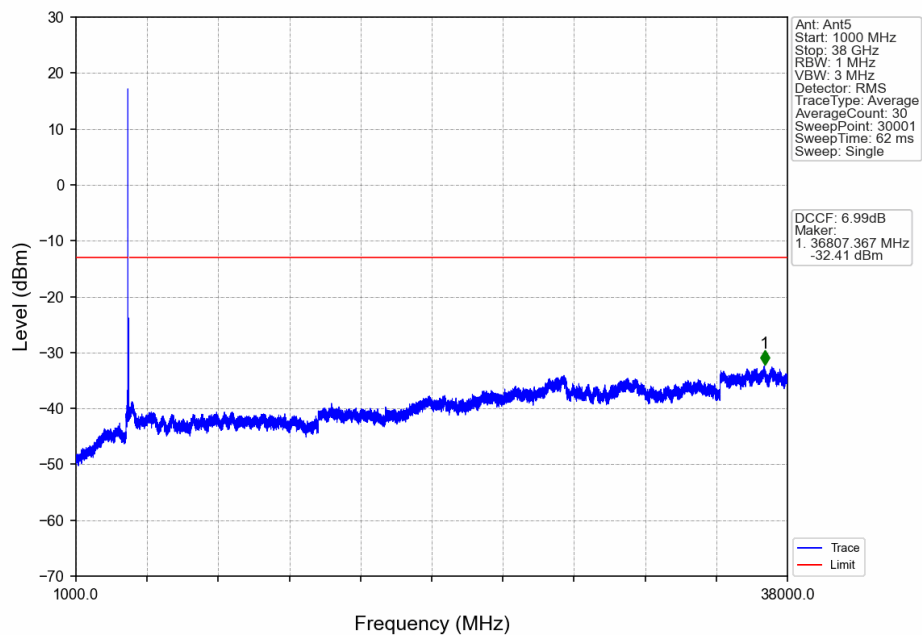
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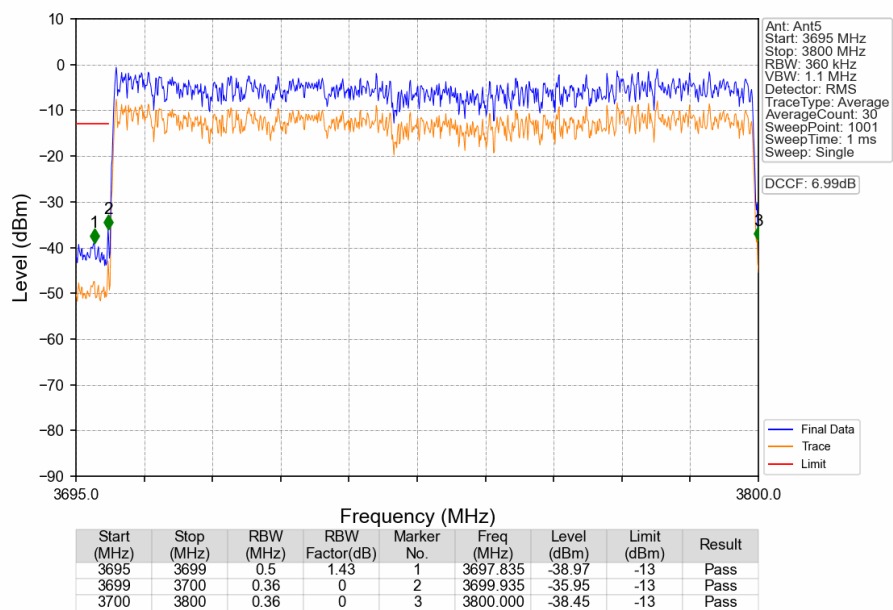
n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Left



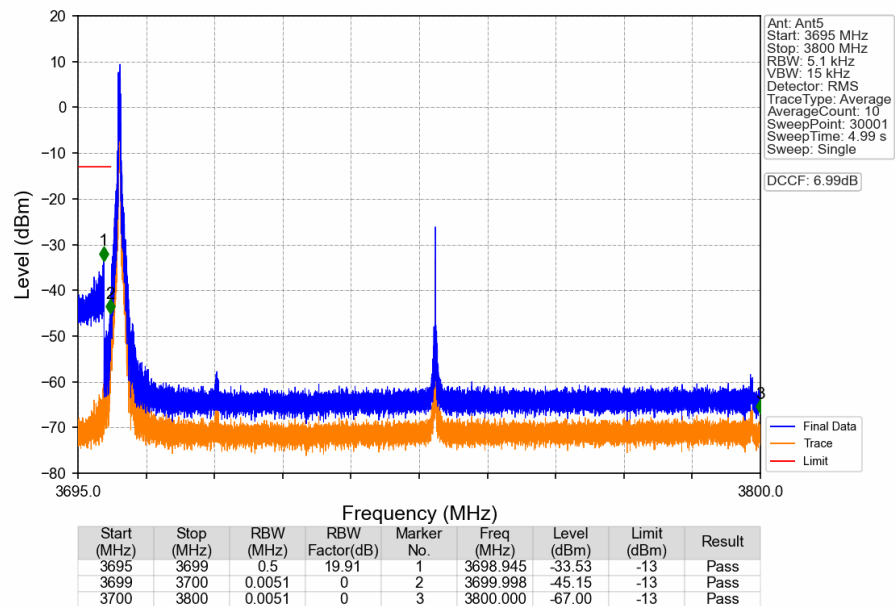
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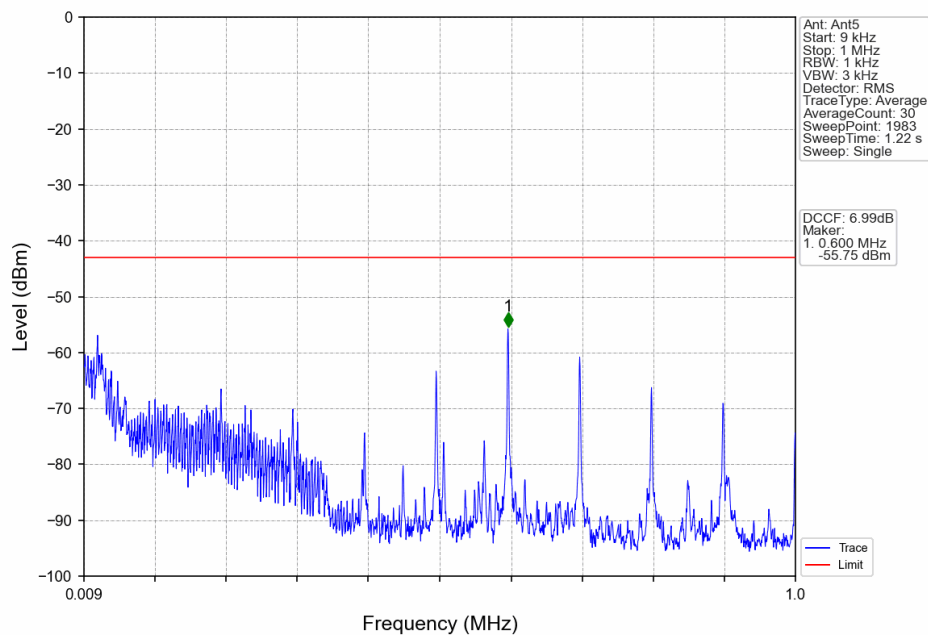
n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Outer Full



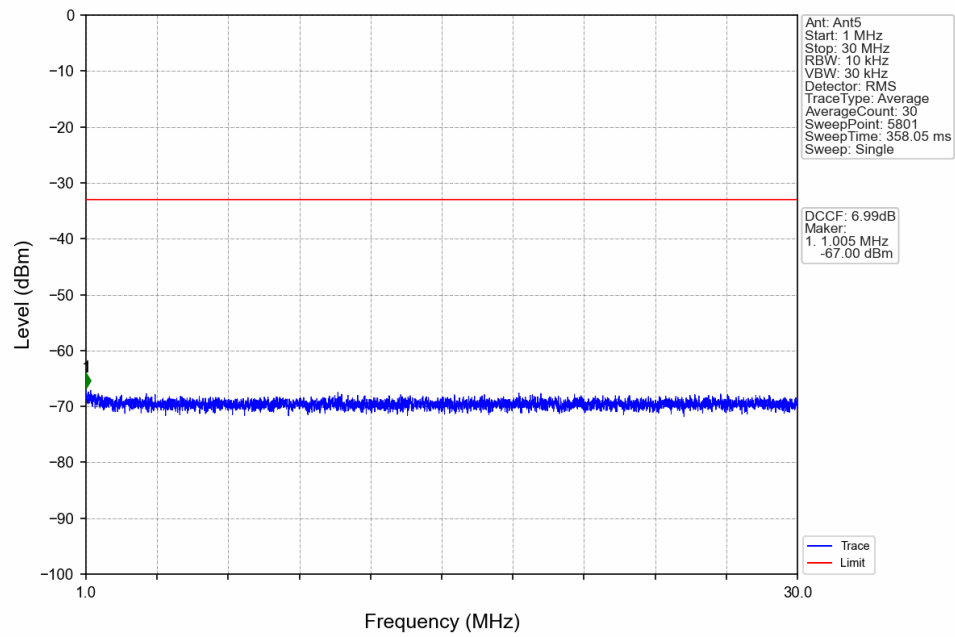
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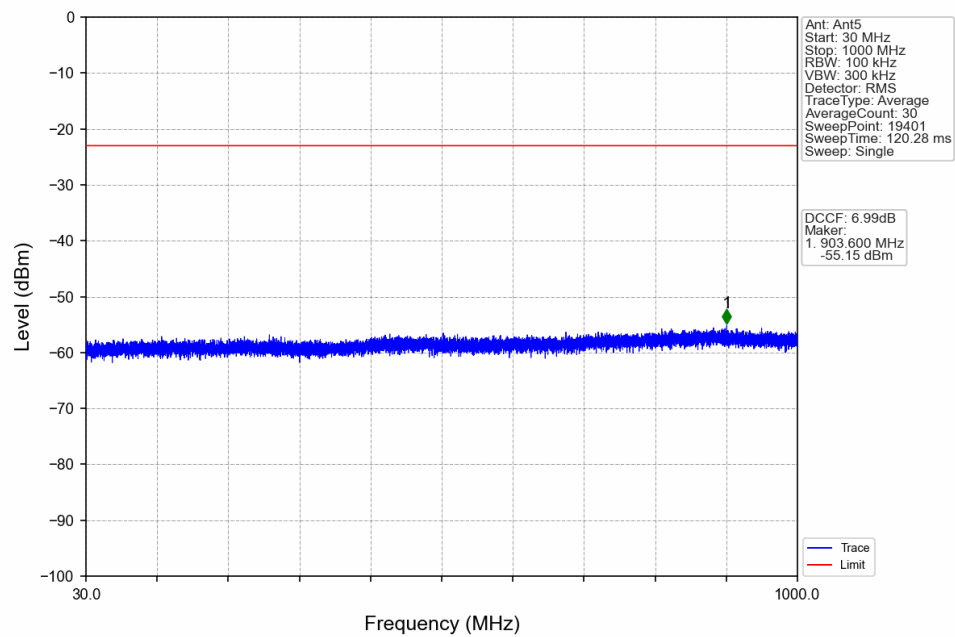
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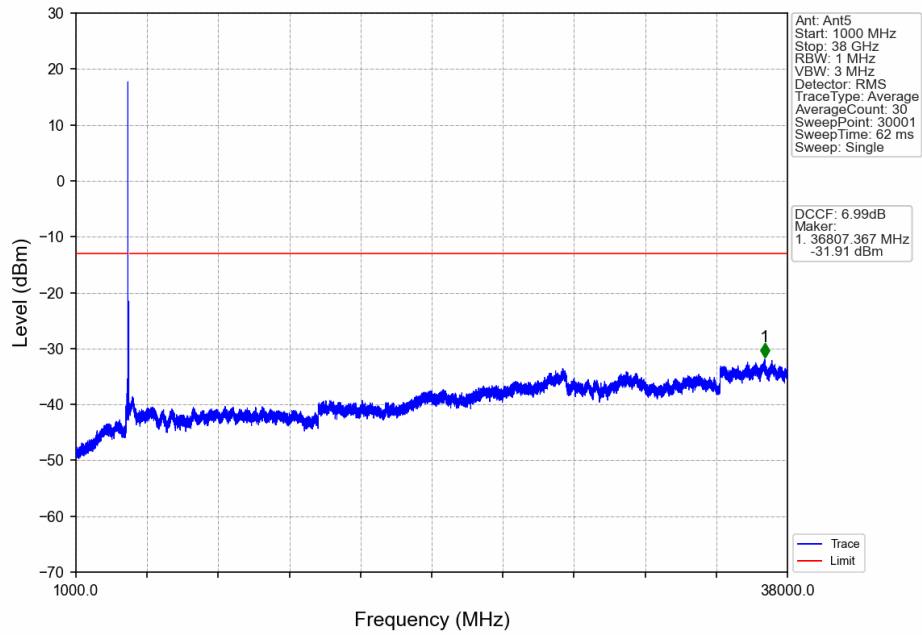
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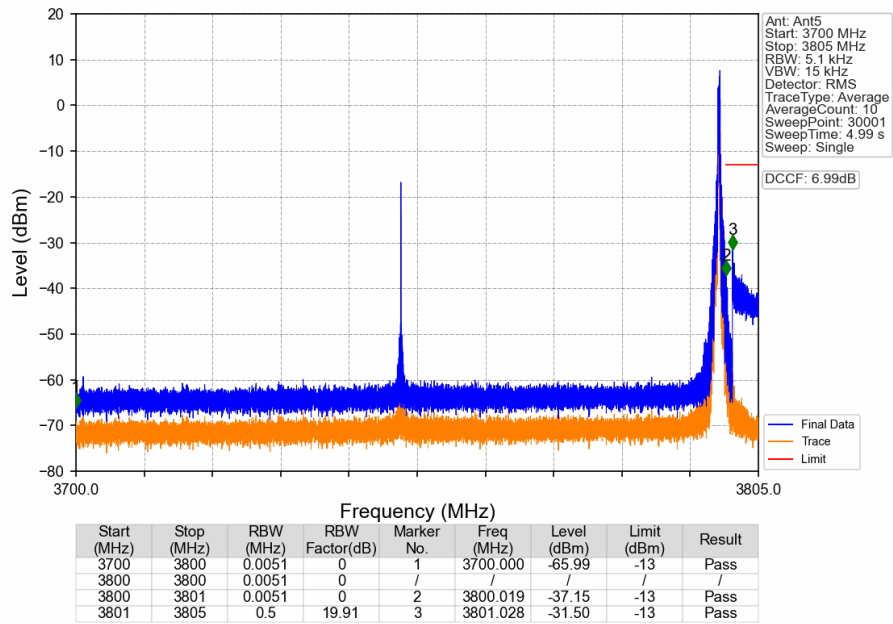
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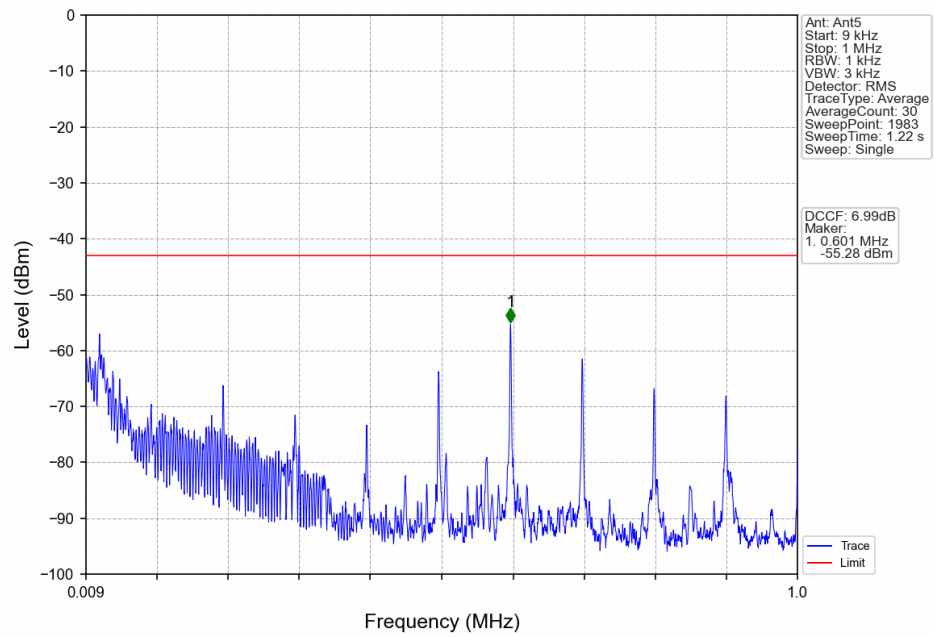
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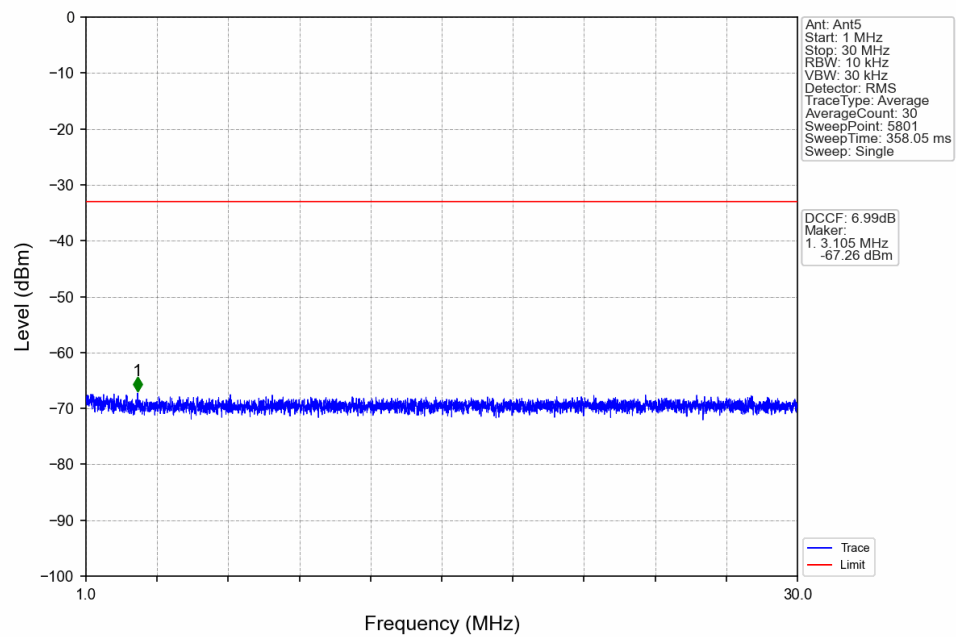
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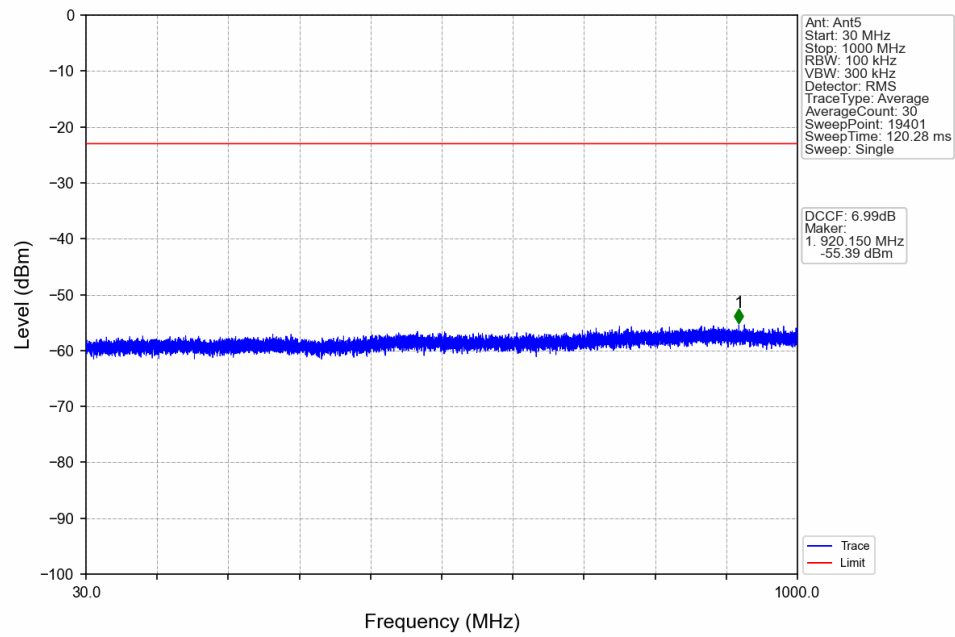
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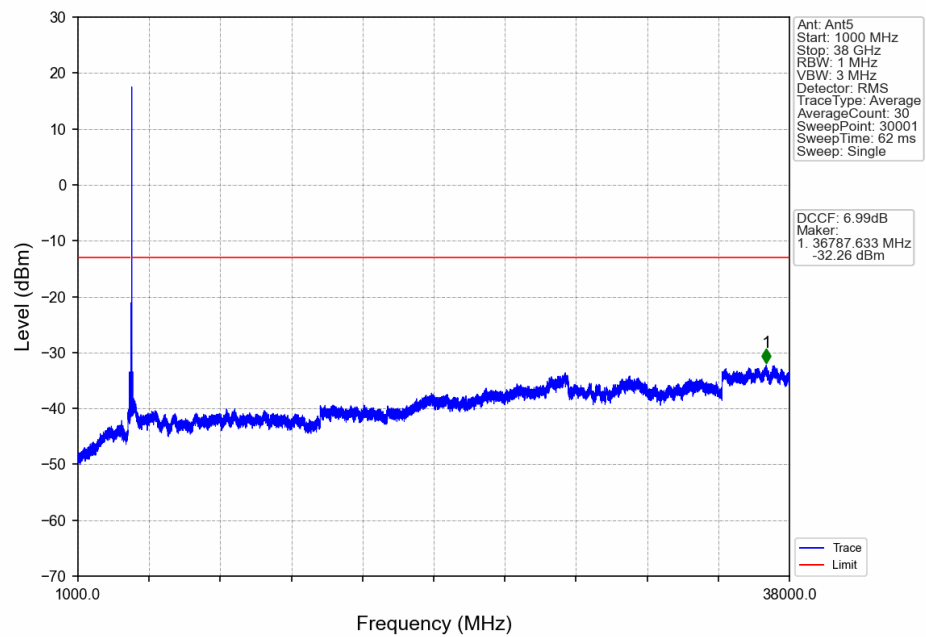
n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Right



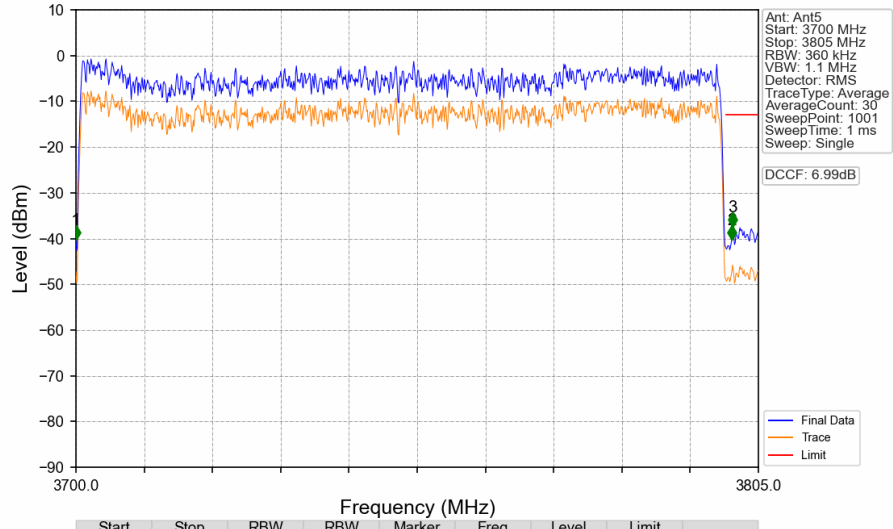
n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Right



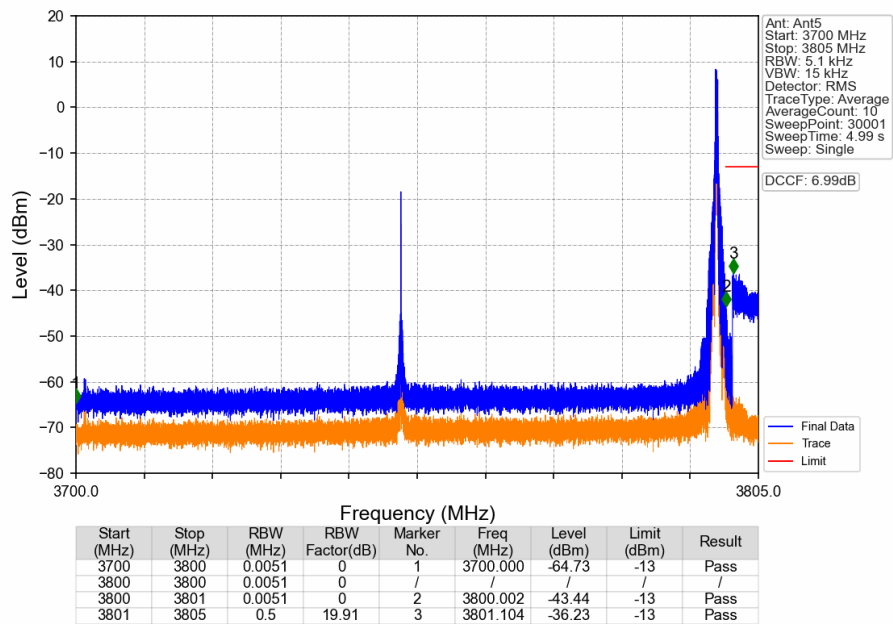
n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Edge 1RB Right



n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Outer Full



n78a 30kHz SISO NTN 100MHz CP-OFDM QPSK 3750MHz Inner 1RB Right

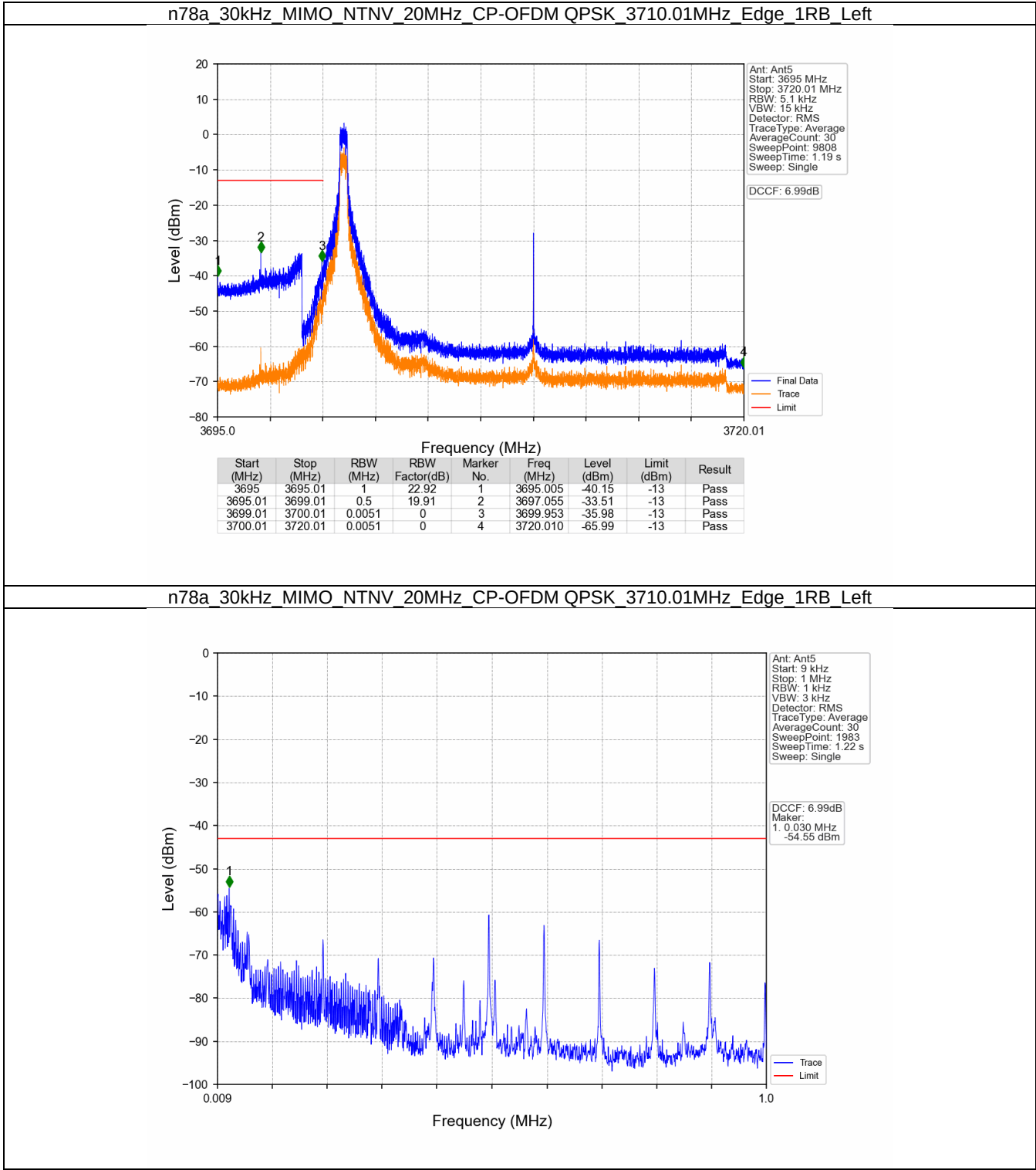


1.10 30k_MIMO_20MHz_NTNV

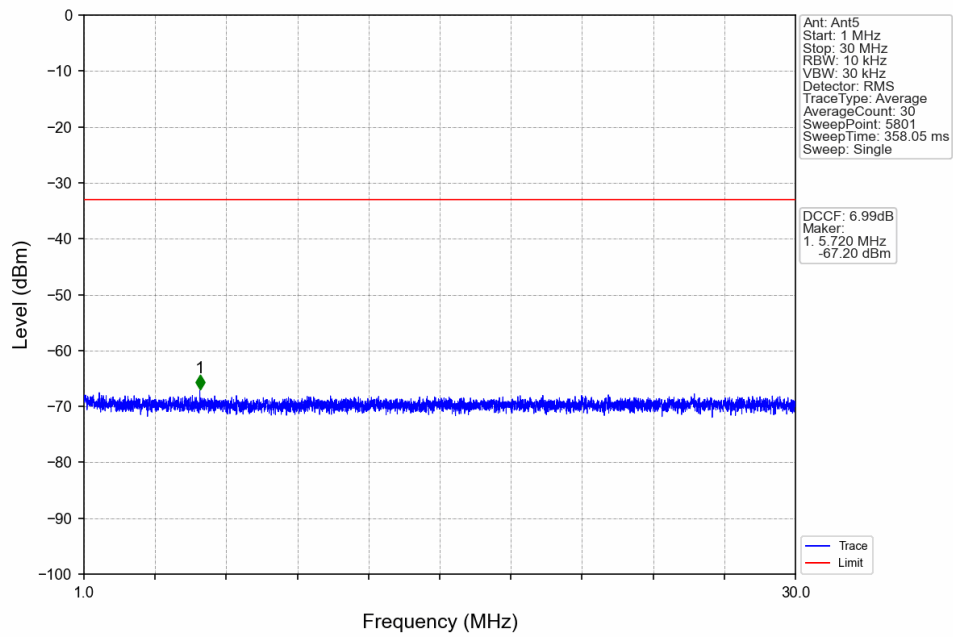
1.10.1 Test Result

5G NR n78a SCS=30kHz MIMO 20MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3789.99	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass

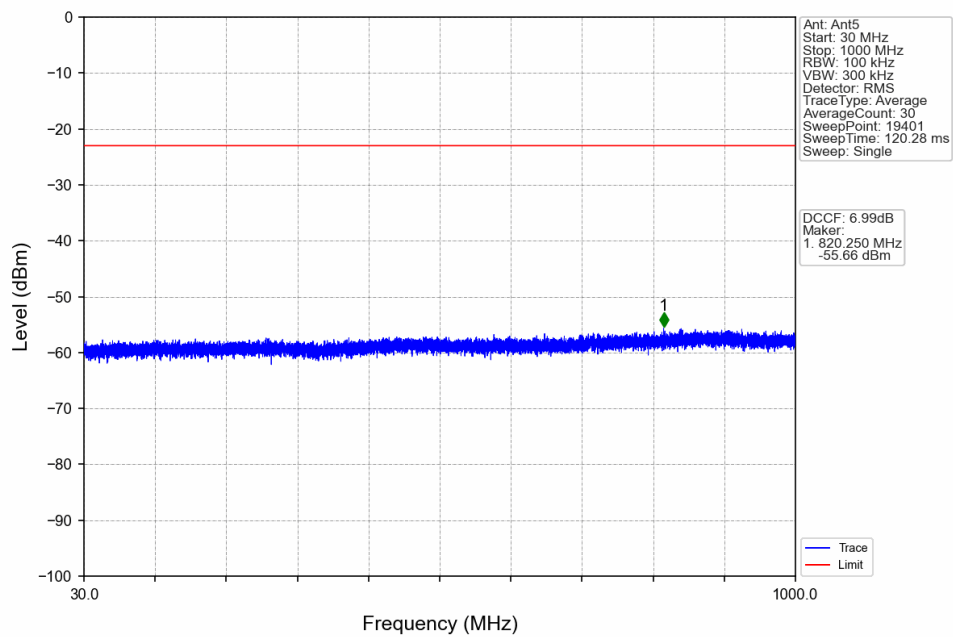
1.10.2 Test Graph



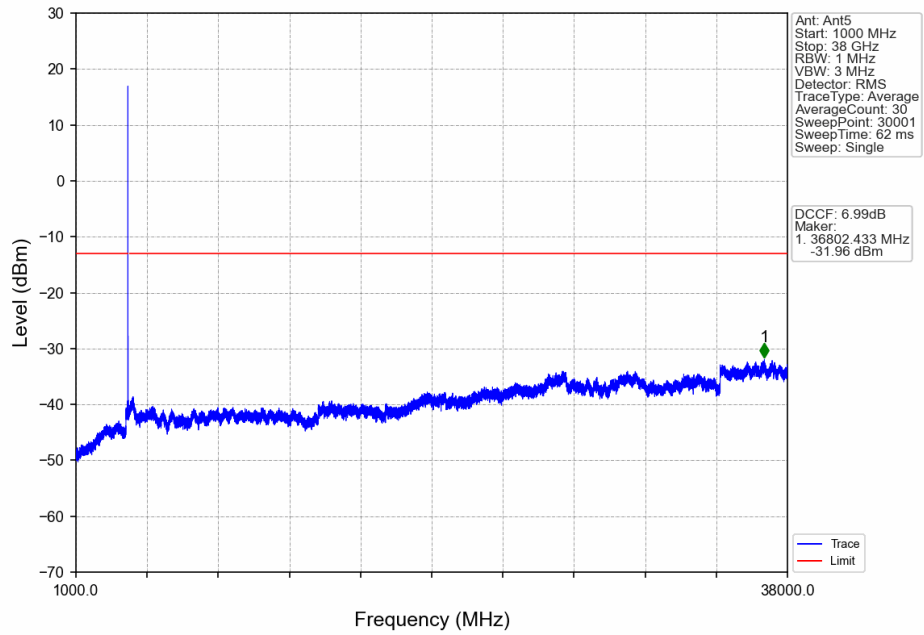
n78a 30kHz MIMO NTNv 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



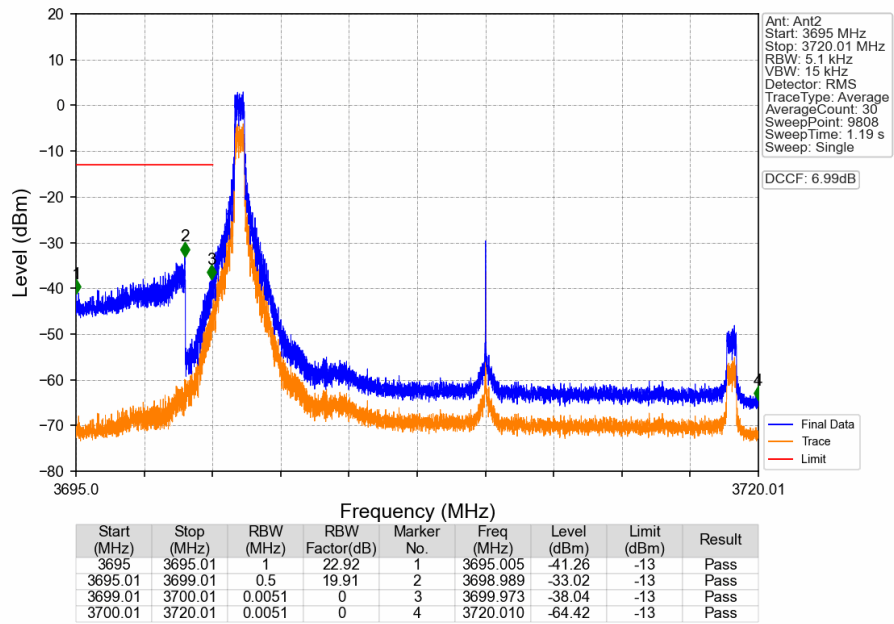
n78a 30kHz MIMO NTNv 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



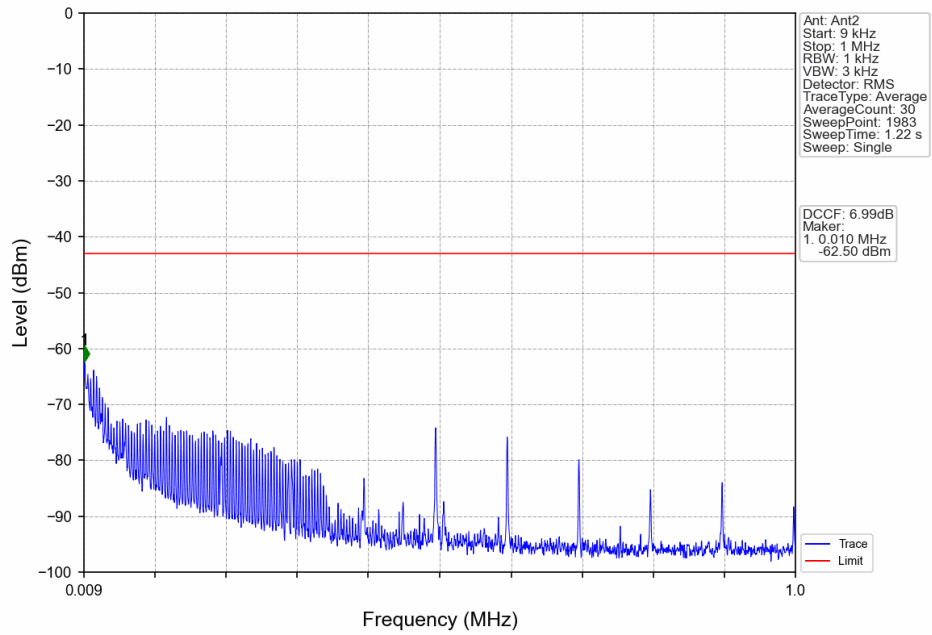
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



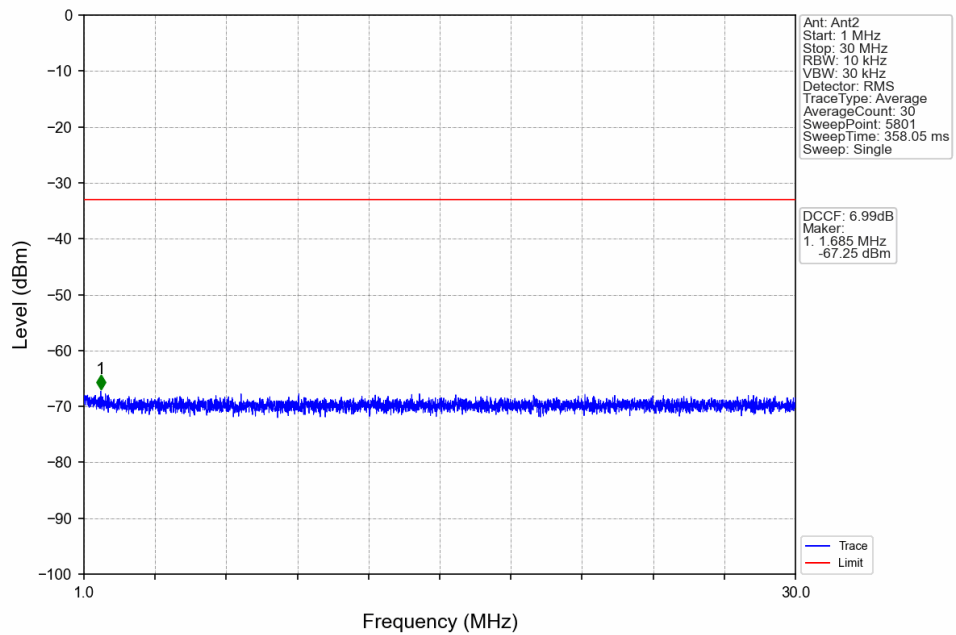
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



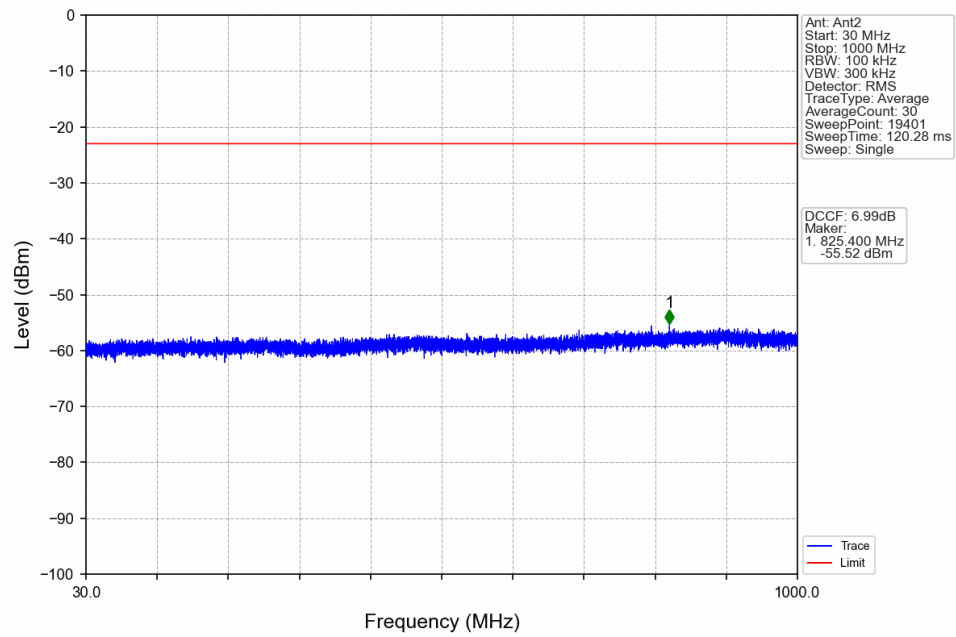
n78a 30kHz MIMO NTNv 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



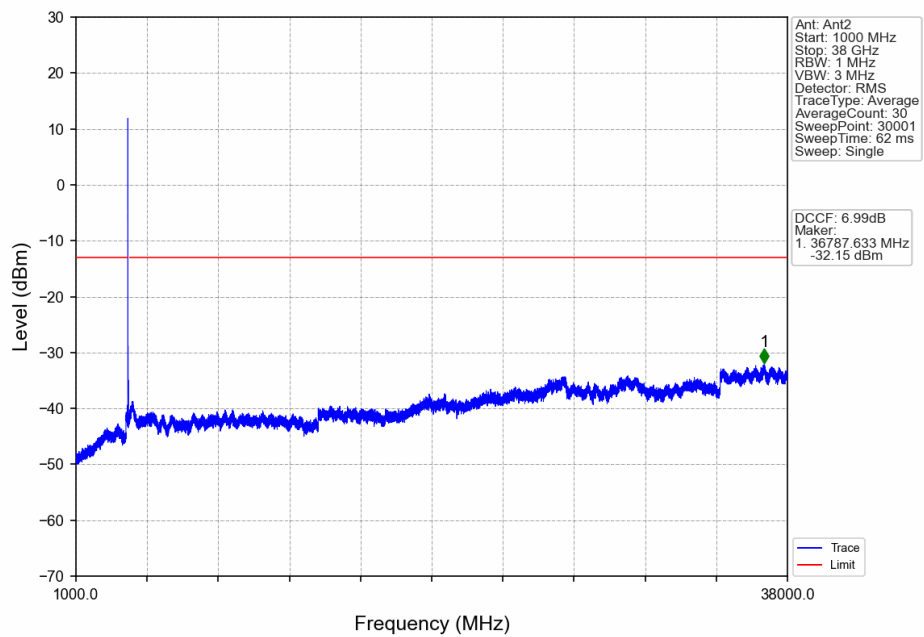
n78a 30kHz MIMO NTNv 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



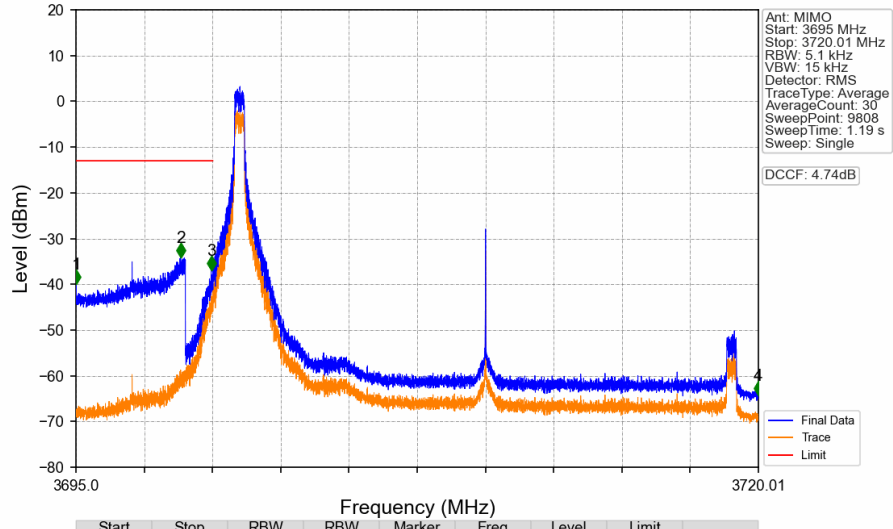
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



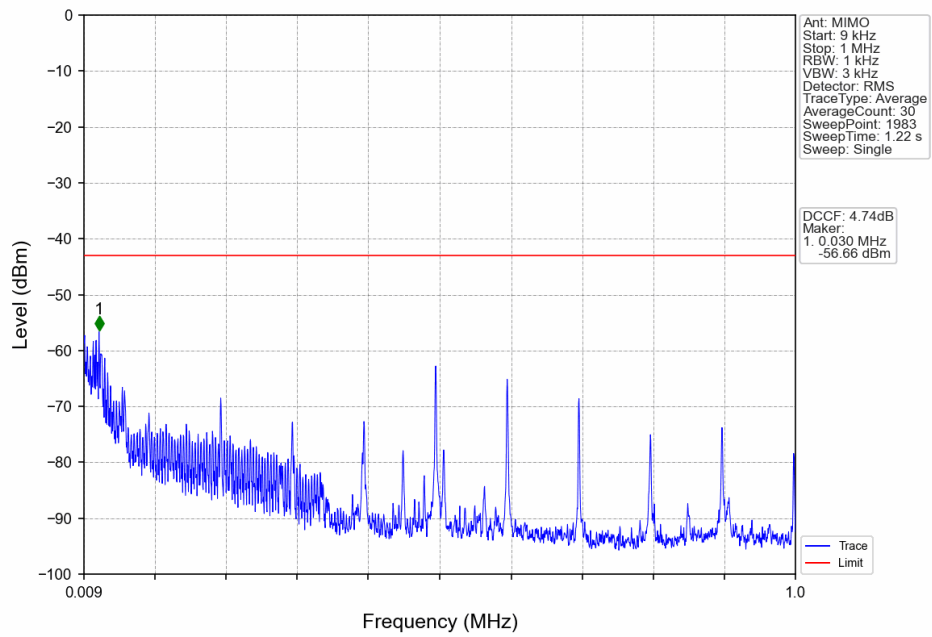
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



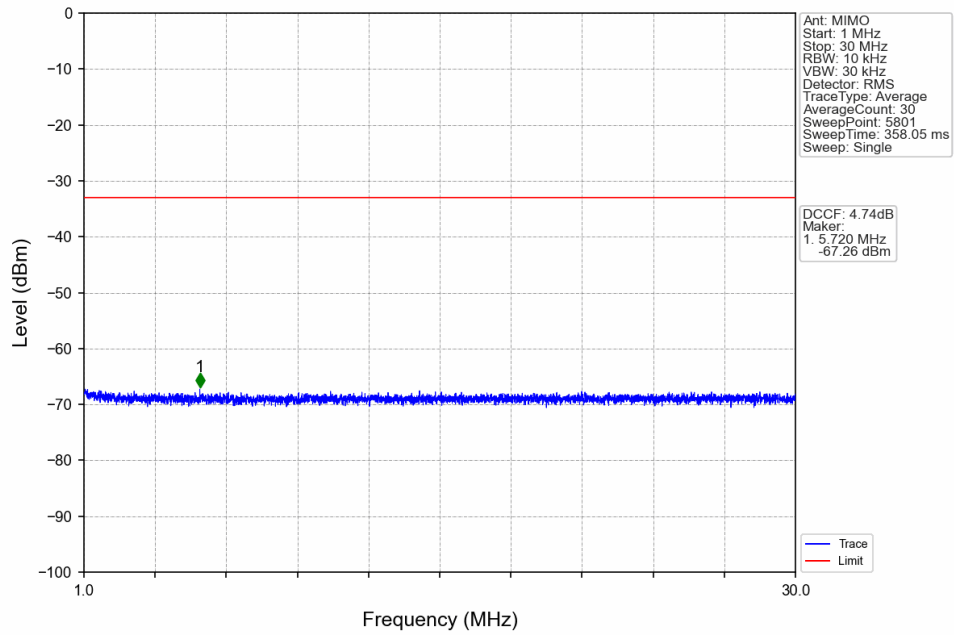
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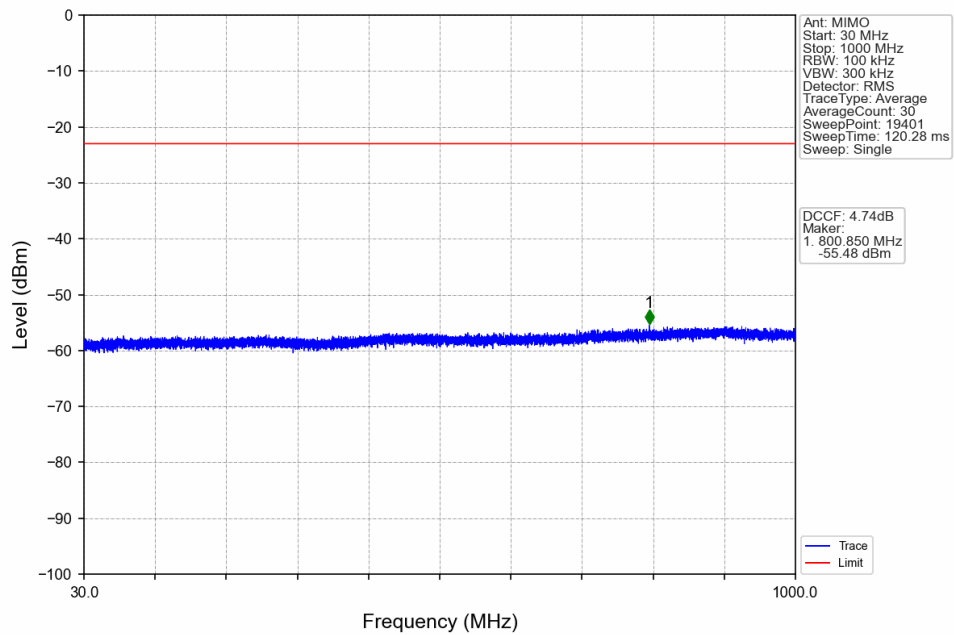
n78a 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



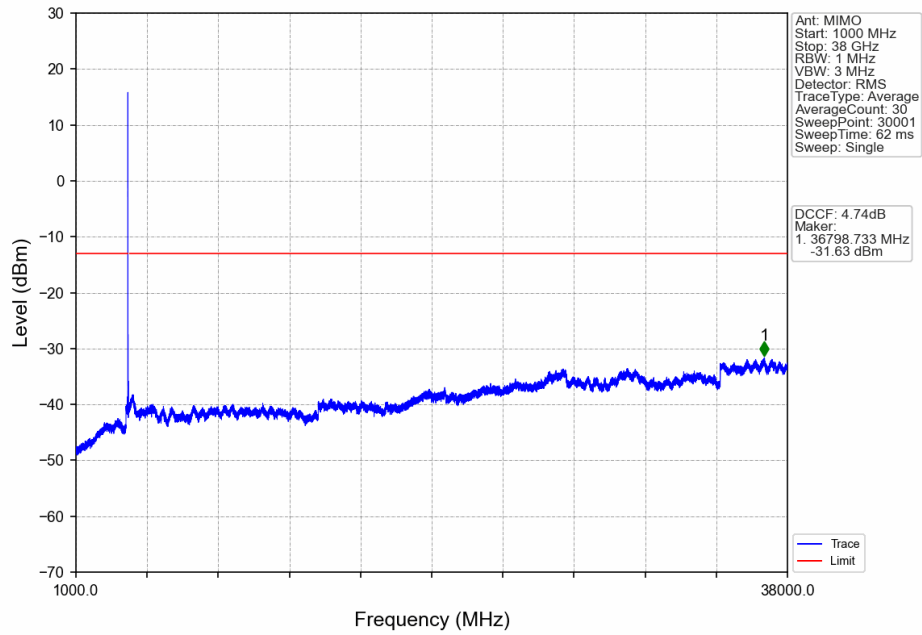
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



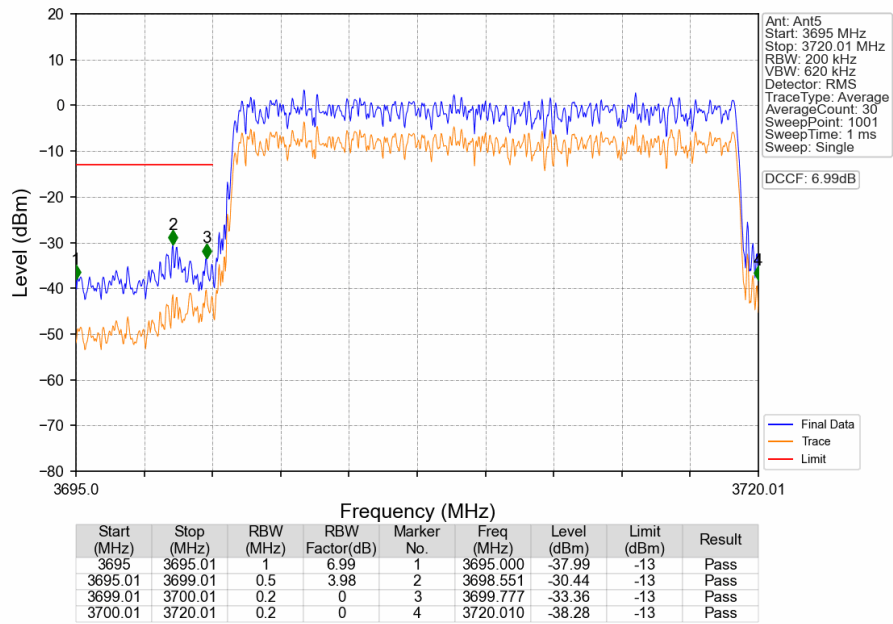
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



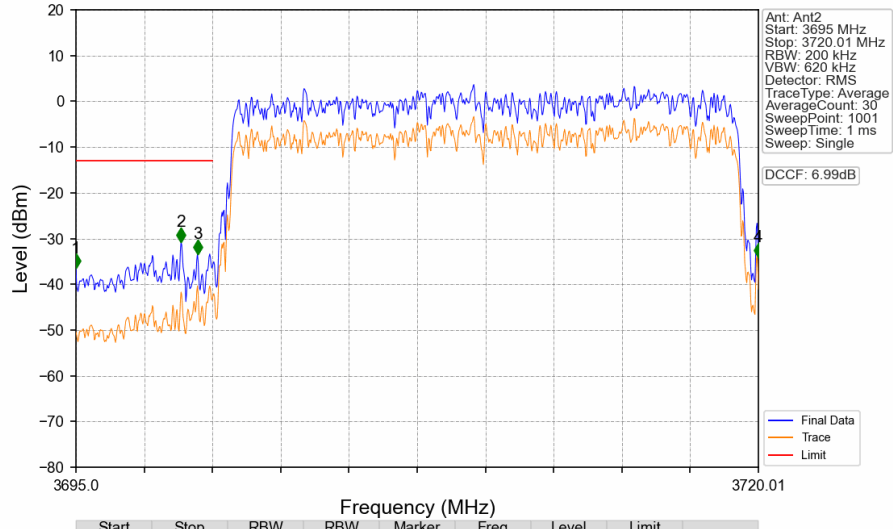
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3710.01MHz Edge 1RB Left



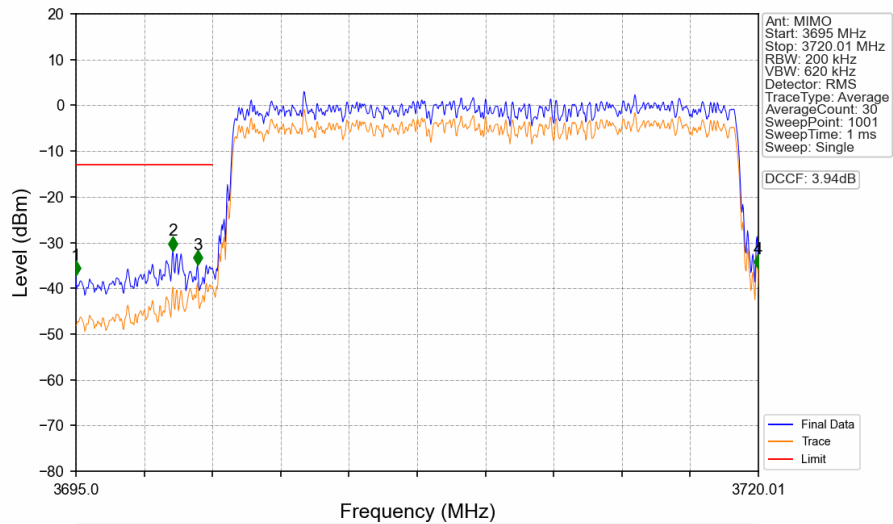
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3710.01MHz Outer Full



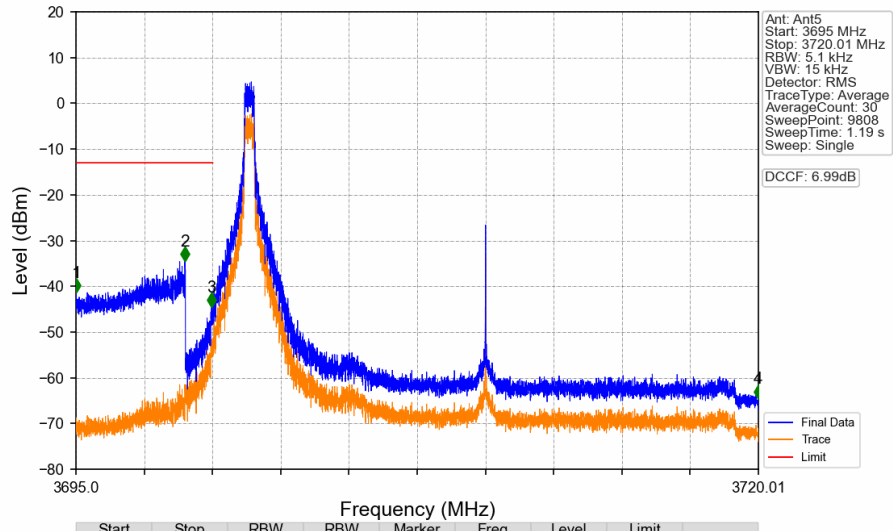
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3710.01MHz Outer Full



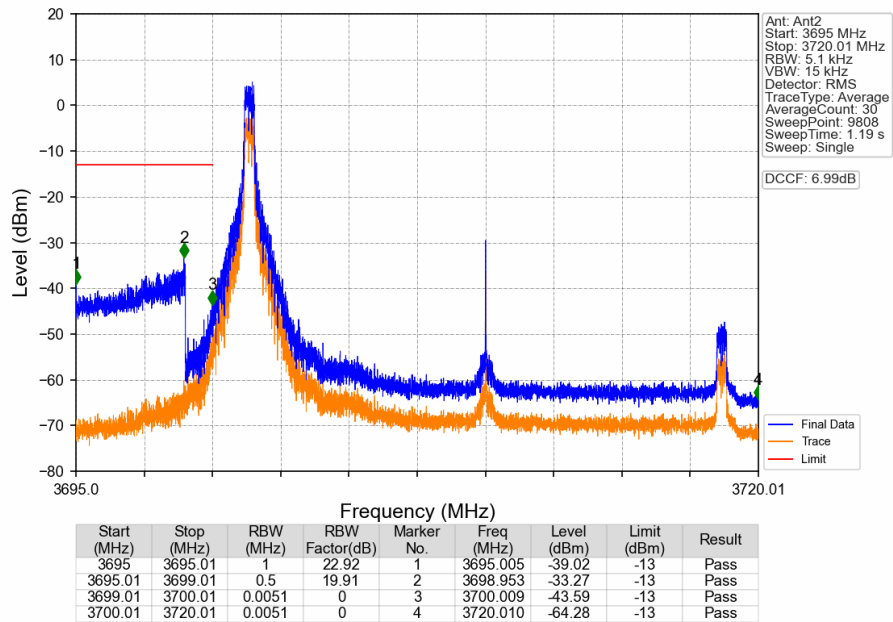
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3710.01MHz Outer Full



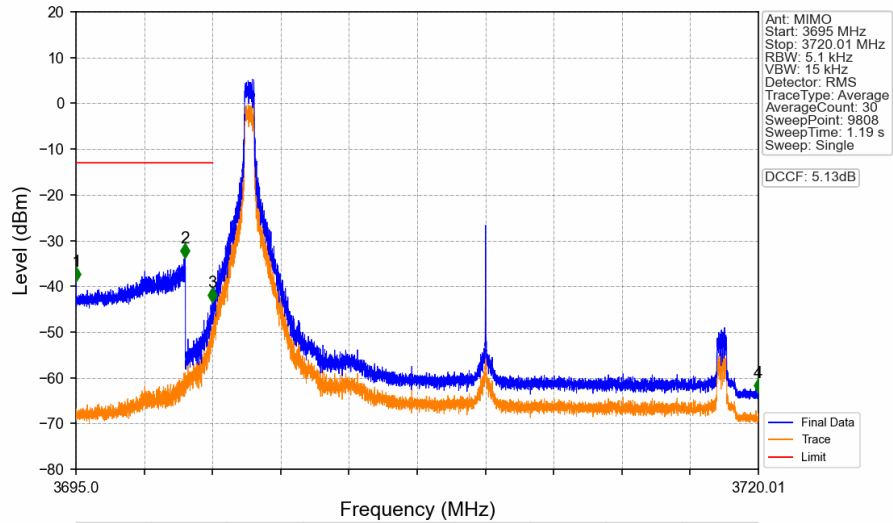
n78a 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3710.01MHz Inner 1RB Left



n78a 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3710.01MHz Inner 1RB Left

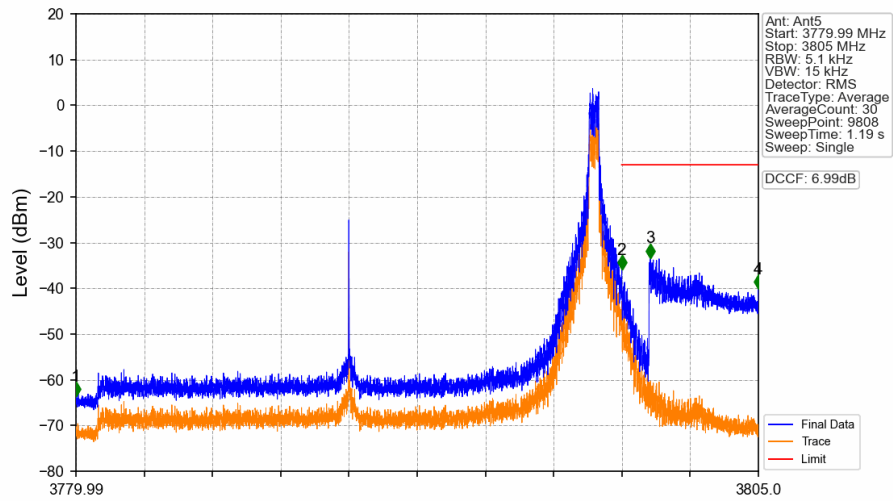


n78a 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3710.01MHz Inner 1RB Left



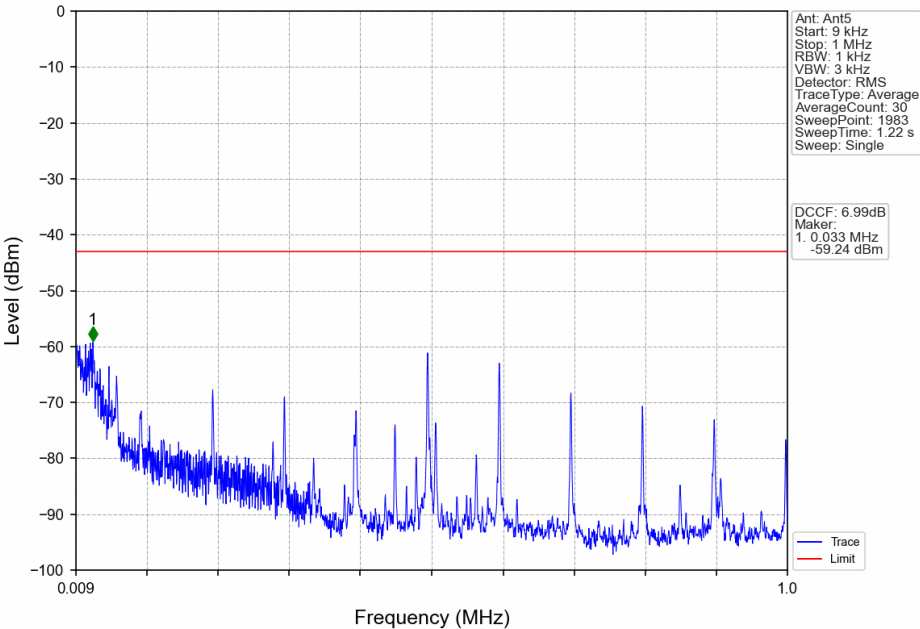
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	22.92	1	3695.005	-38.88	-13	Pass
3695.01	3699.01	0.5	19.91	2	3698.996	-33.87	-13	Pass
3699.01	3700.01	0.0051	0	3	3699.998	-43.55	-13	Pass
3700.01	3720.01	0.0051	0	4	3720.010	-63.27	-13	Pass

n78a 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right

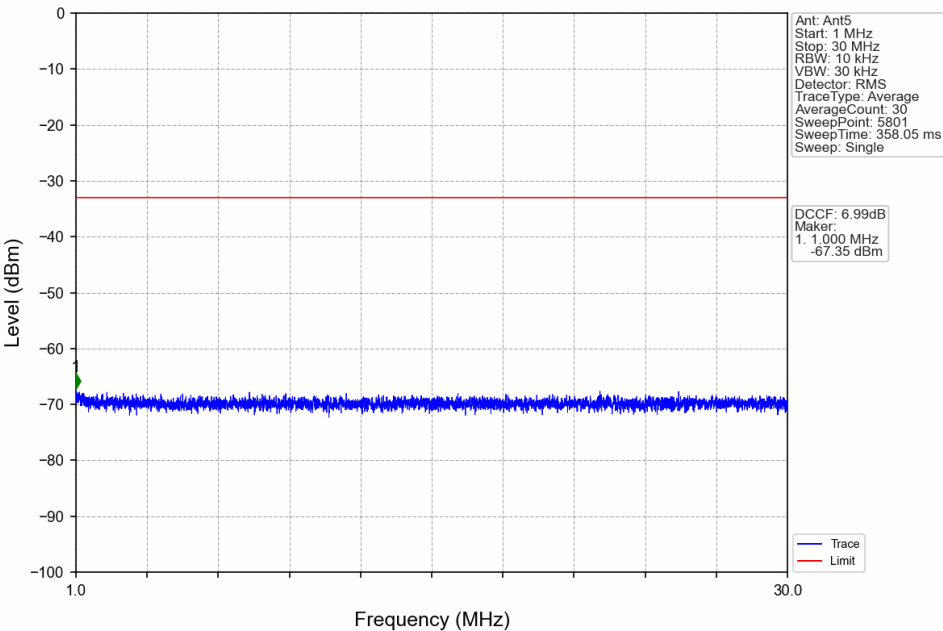


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3779.99	3799.99	0.0051	0	1	3779.990	-63.65	-13	Pass
3799.99	3799.99	0.0051	0	/	/	/	/	/
3799.99	3800.99	0.0051	0	2	3799.991	-35.89	-13	Pass
3800.99	3804.99	0.5	19.91	3	3801.047	-33.38	-13	Pass
3804.99	3805	1	22.92	4	3805.000	-40.11	-13	Pass

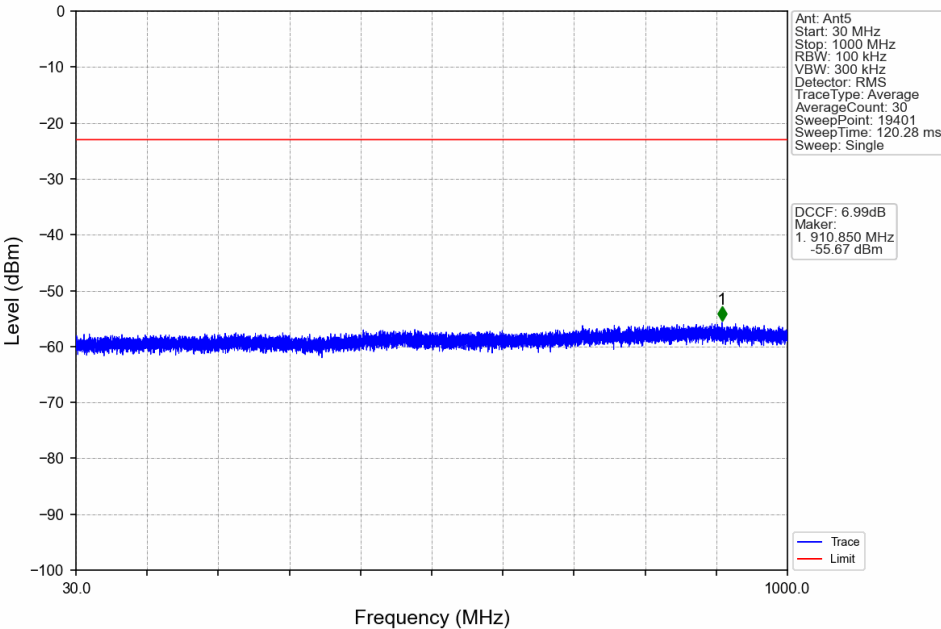
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right



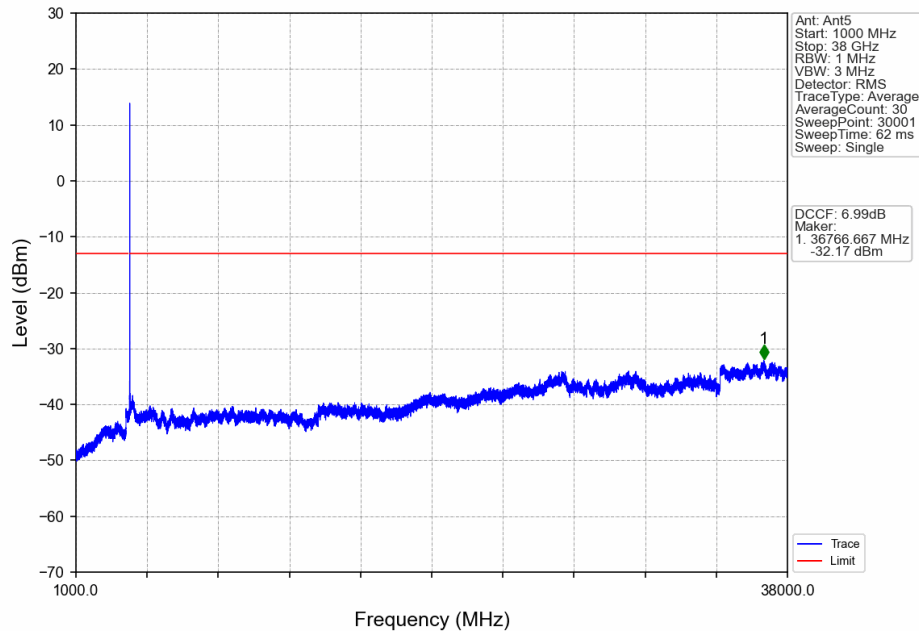
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right



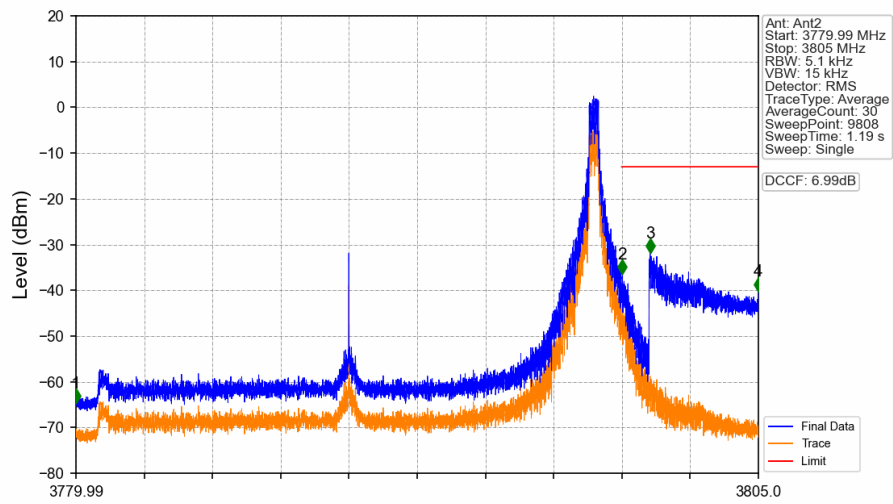
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right



n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right

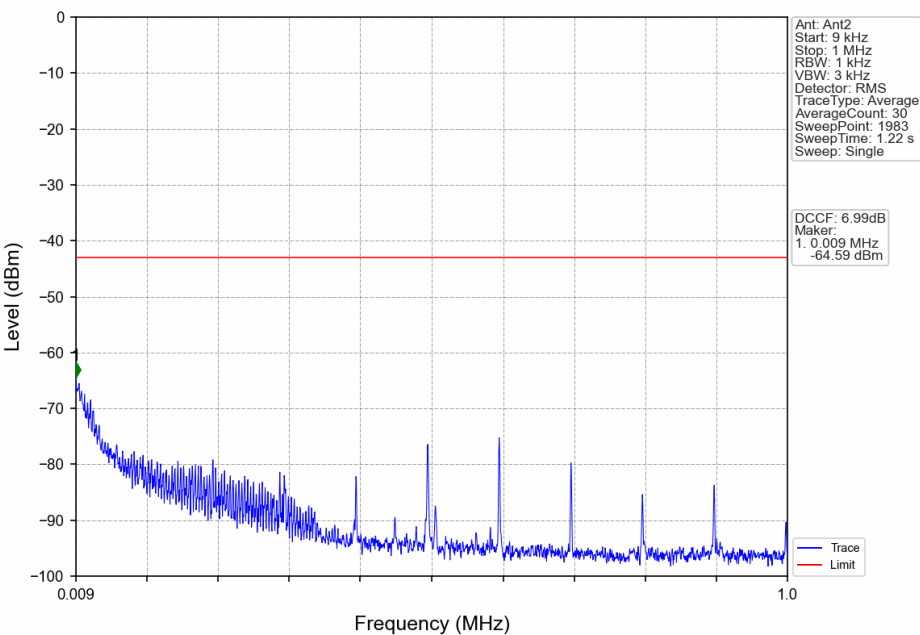


n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right

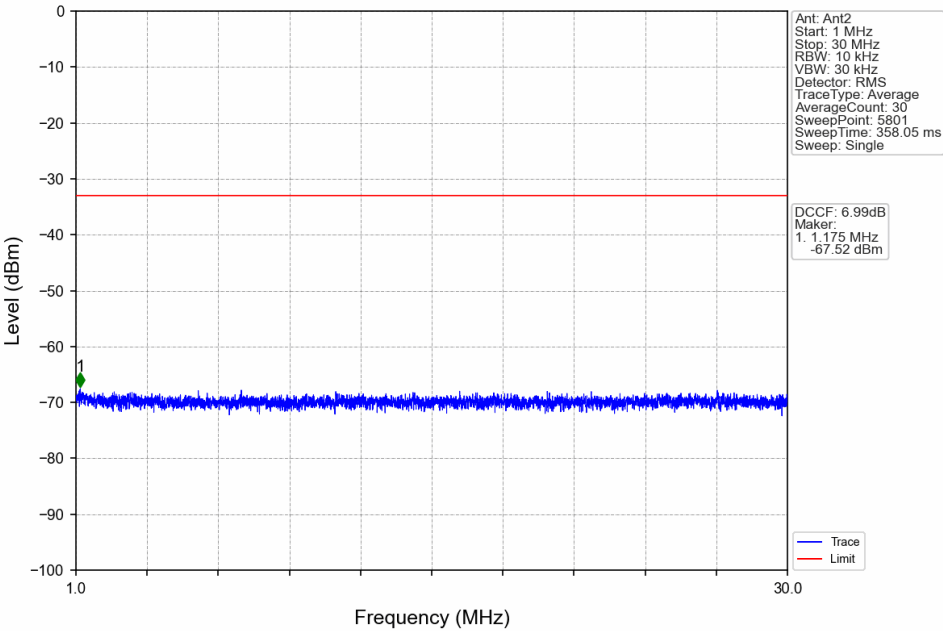


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3779.99	3799.99	0.0051	0	1	3779.990	-64.71	-13	Pass
3799.99	3799.99	0.0051	0	/	/	/	/	/
3799.99	3800.99	0.0051	0	2	3800.017	-36.40	-13	Pass
3800.99	3804.99	0.5	19.91	3	3801.032	-31.85	-13	Pass
3804.99	3805	1	22.92	4	3804.992	-40.24	-13	Pass

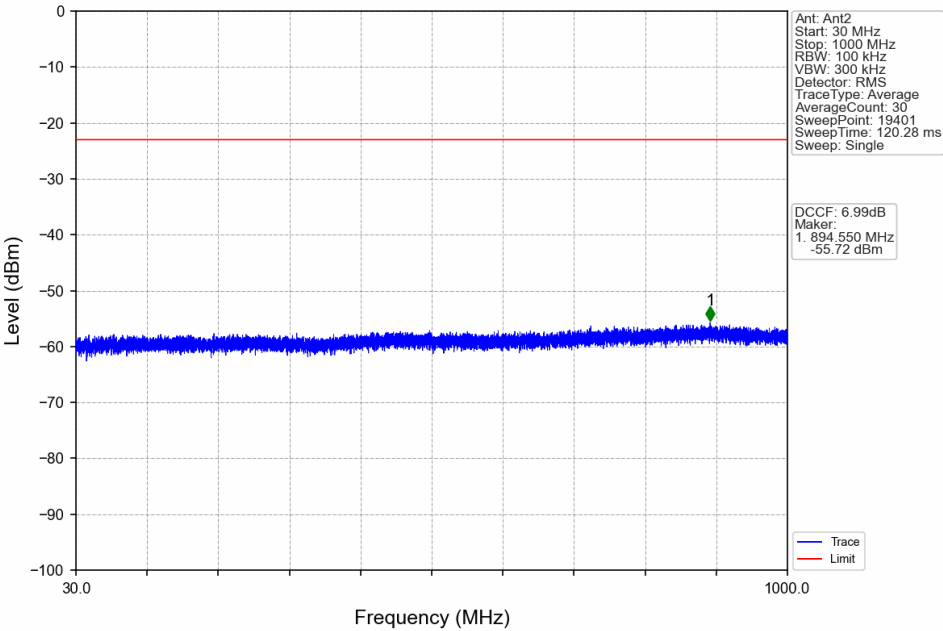
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right



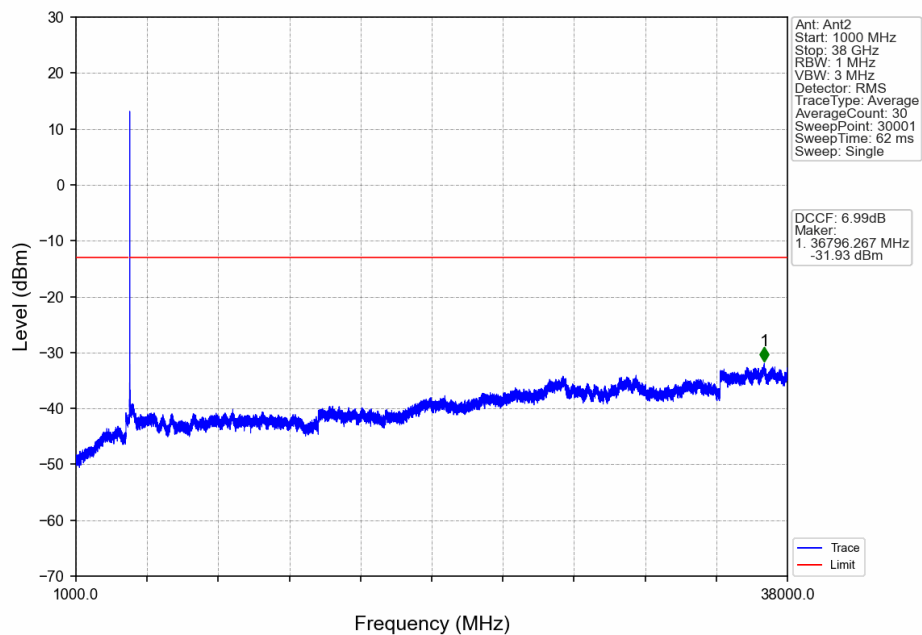
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right



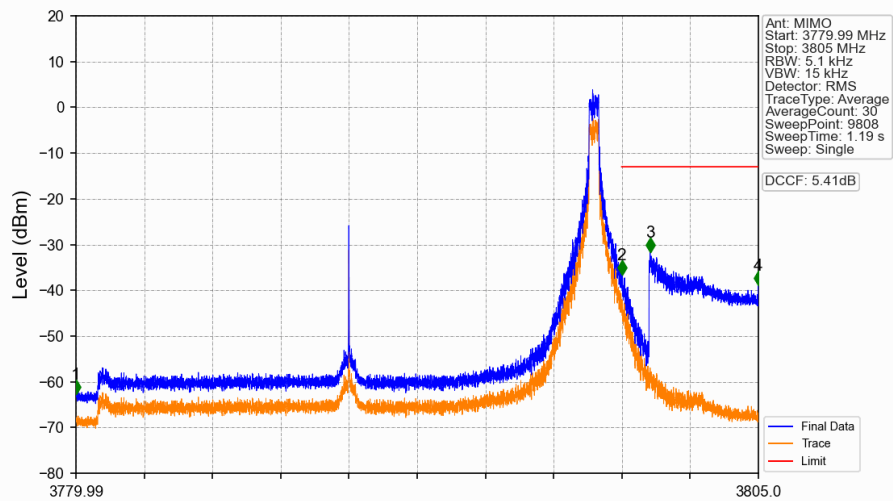
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right



n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right

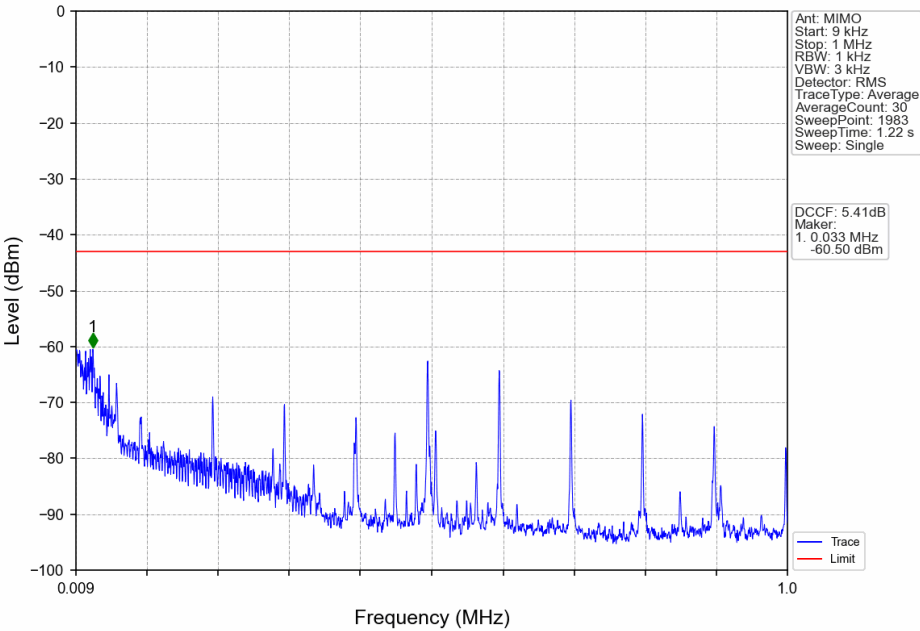


n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right

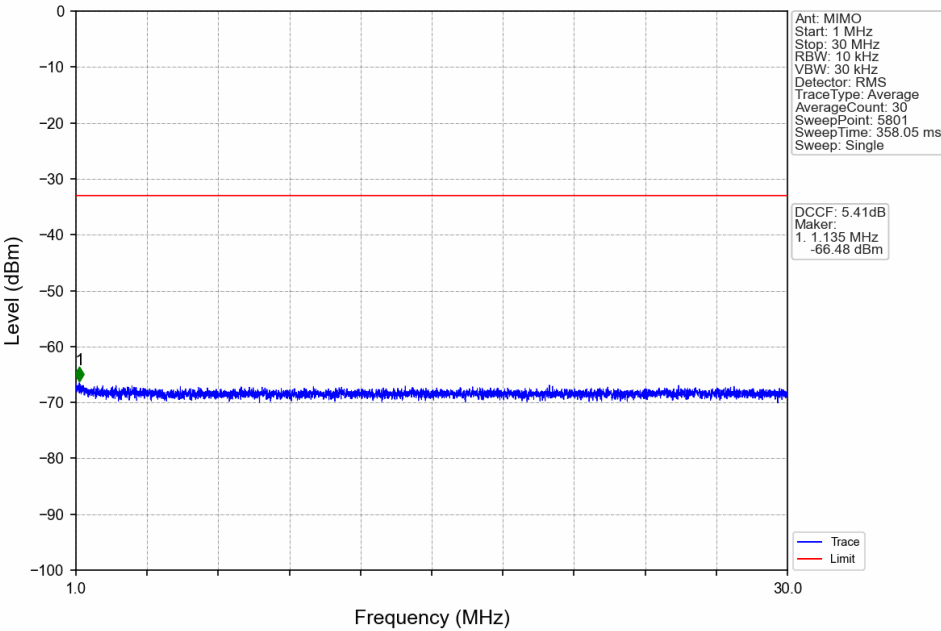


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3779.99	3799.99	0.0051	0	1	3779.990	-62.72	-13	Pass
3799.99	3799.99	0.0051	0	/	/	/	/	/
3799.99	3800.99	0.0051	0	2	3799.991	-36.65	-13	Pass
3800.99	3804.99	0.5	19.91	3	3801.032	-31.64	-13	Pass
3804.99	3805	1	22.92	4	3804.992	-38.91	-13	Pass

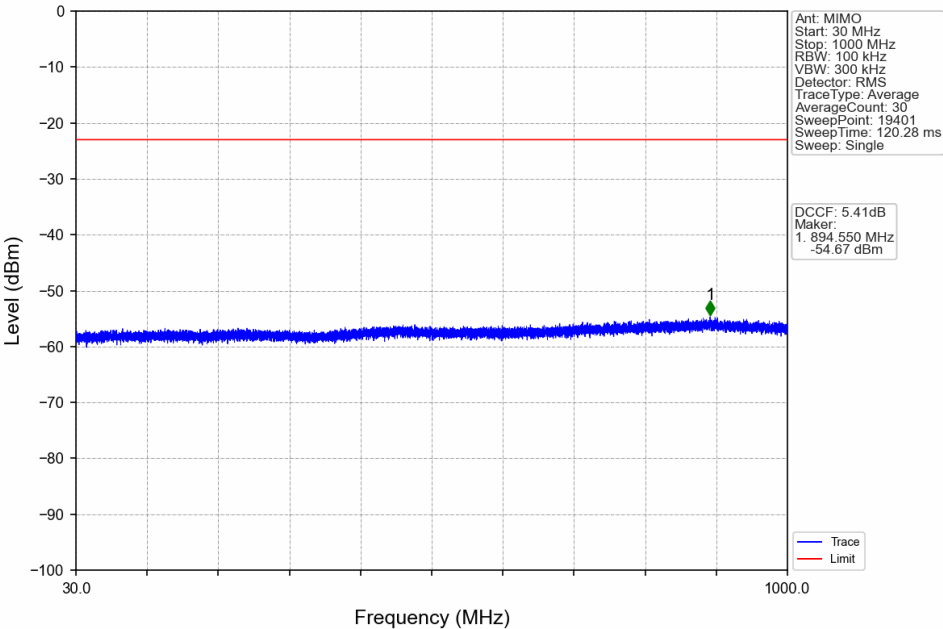
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right



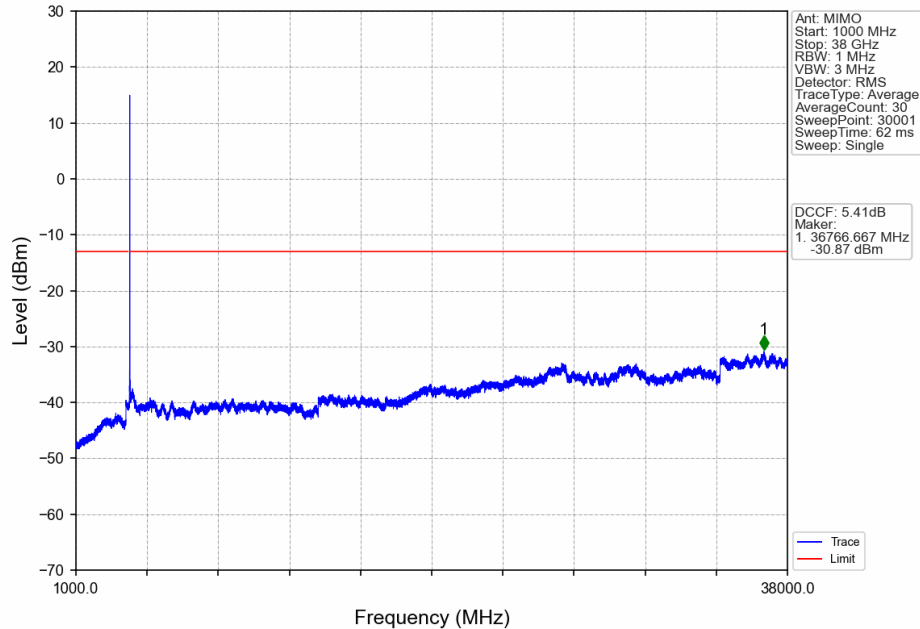
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right



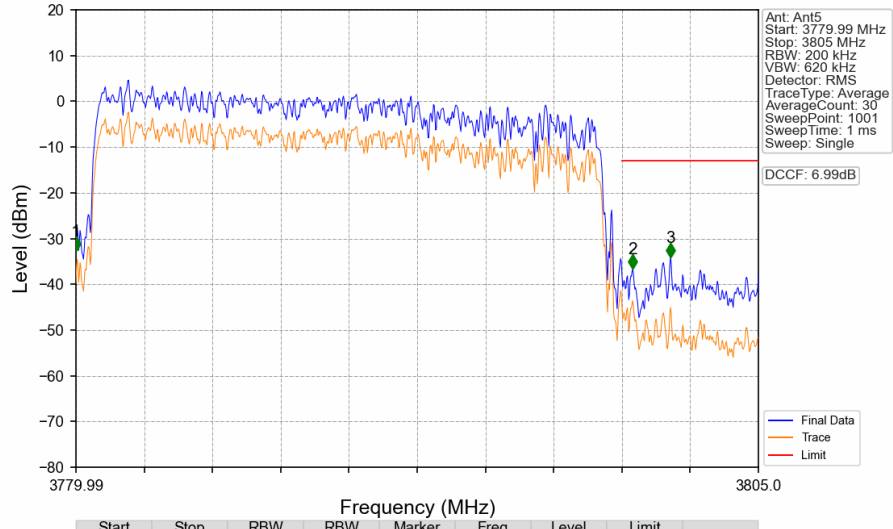
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right



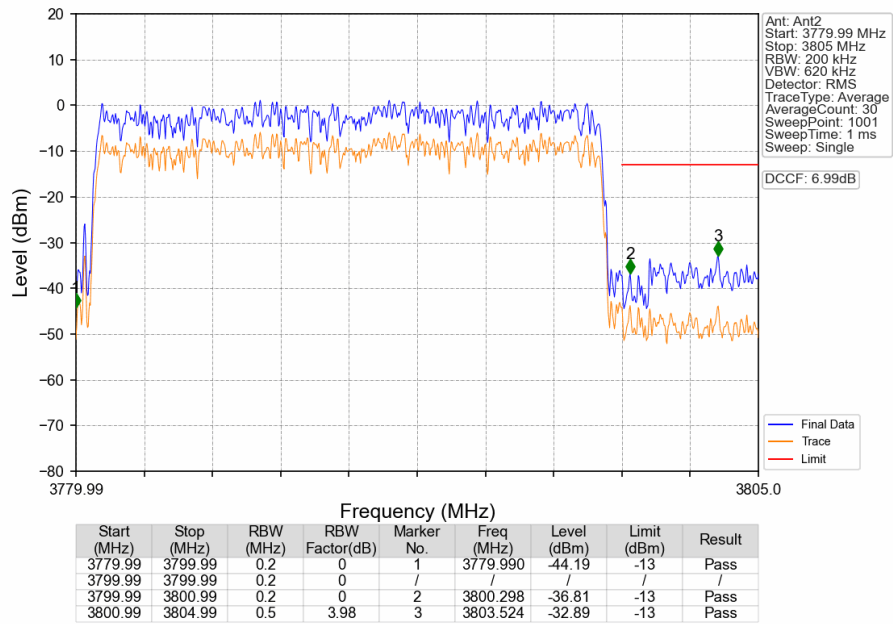
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Edge 1RB Right



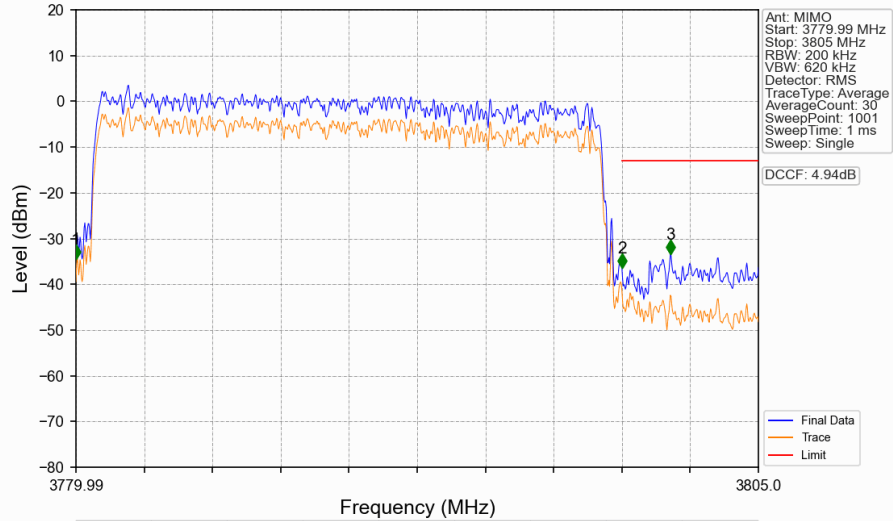
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Outer Full



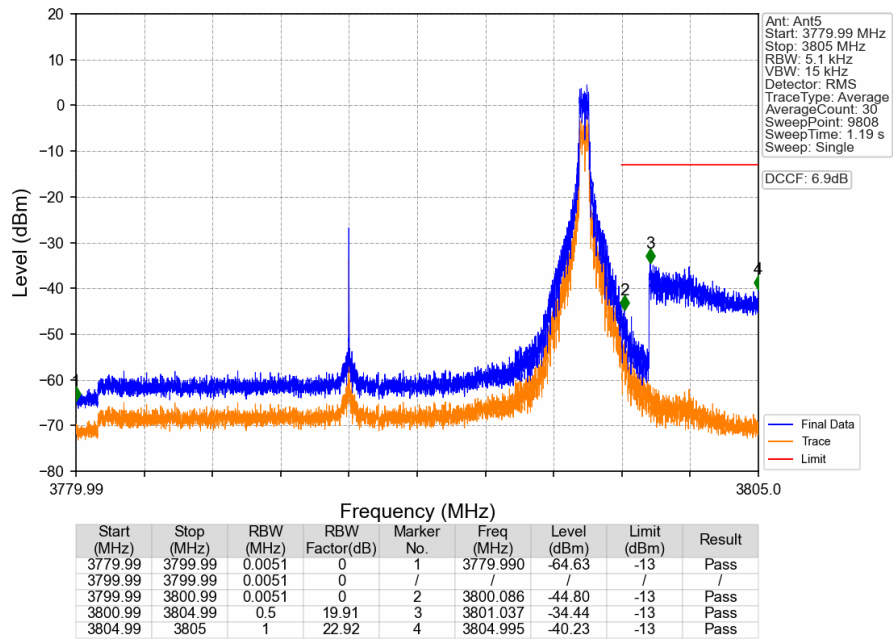
n78a 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3789.99MHz Outer Full



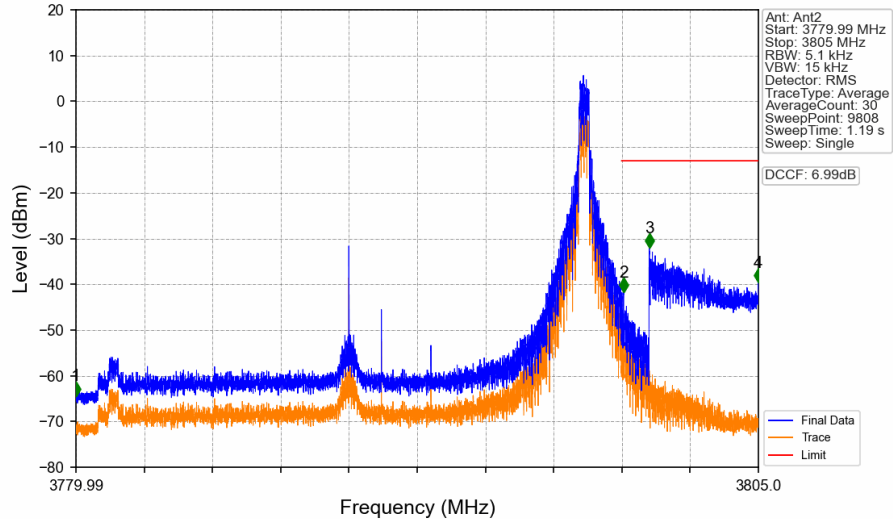
n78a 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3789.99MHz Outer Full



n78a 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3789.99MHz Inner 1RB Right

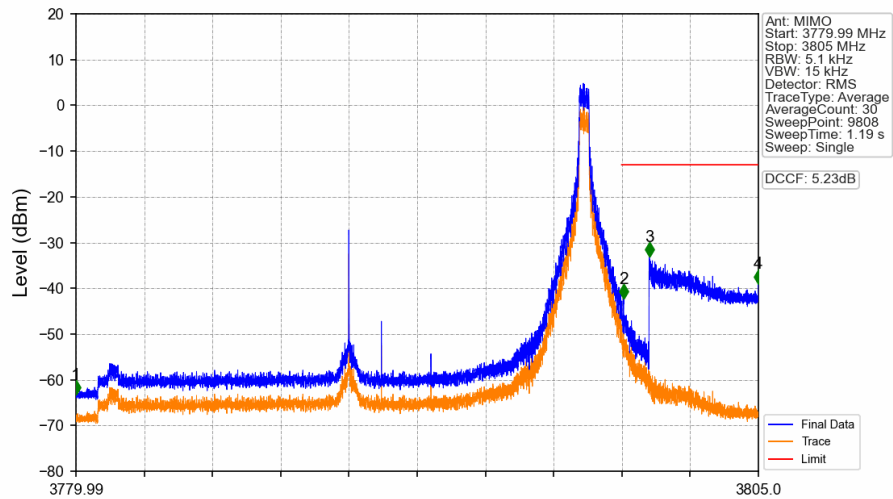


n78a 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3789.99MHz Inner 1RB Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3779.99	3799.99	0.0051	0	1	3779.990	-64.40	-13	Pass
3799.99	3799.99	0.0051	0	/	/	/	/	/
3799.99	3800.99	0.0051	0	2	3800.055	-41.69	-13	Pass
3800.99	3804.99	0.5	19.91	3	3801.004	-32.03	-13	Pass
3804.99	3805	1	22.92	4	3804.992	-39.58	-13	Pass

n78a 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3789.99MHz Inner 1RB Right



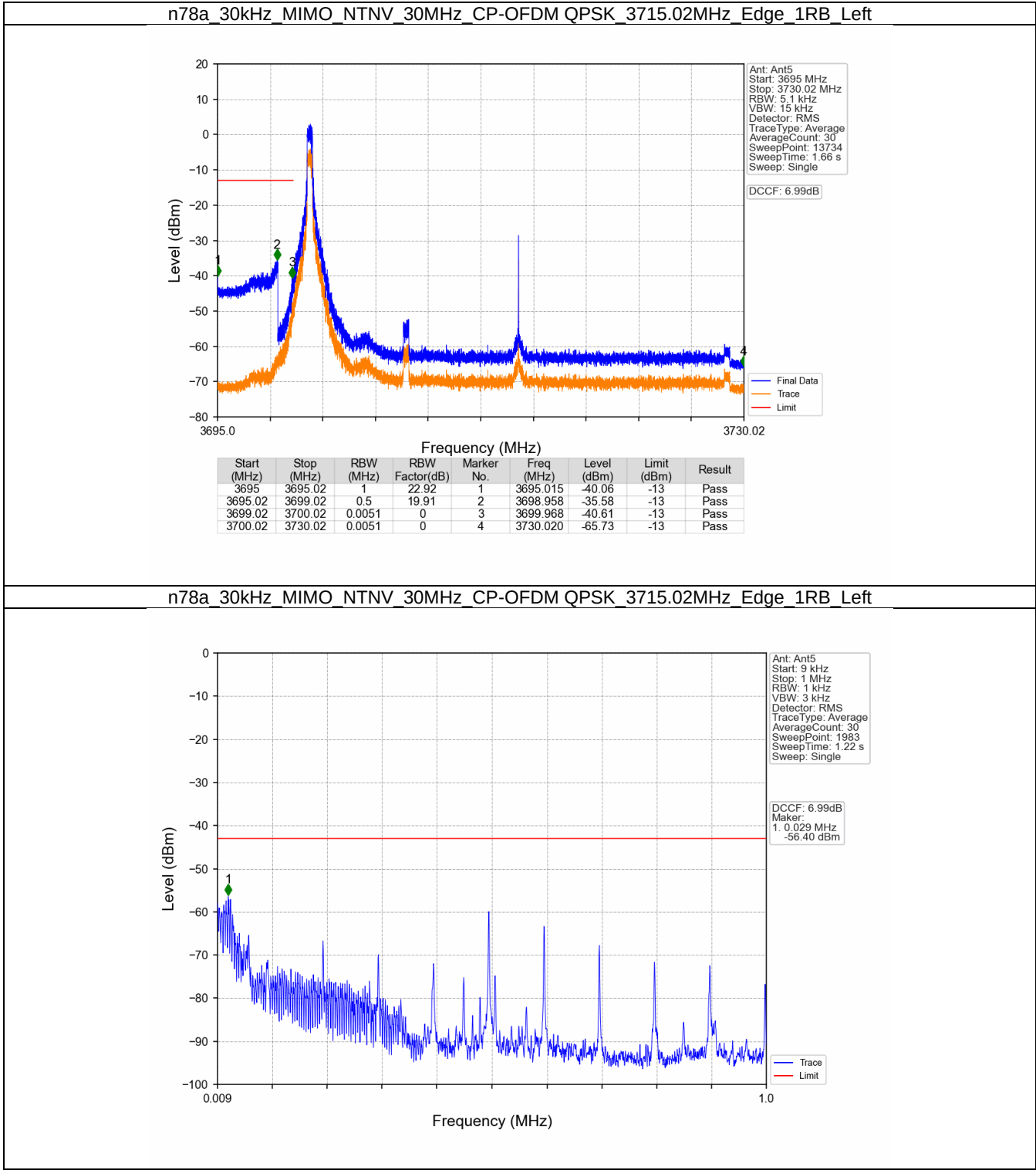
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3779.99	3799.99	0.0051	0	1	3779.990	-63.22	-13	Pass
3799.99	3799.99	0.0051	0	/	/	/	/	/
3799.99	3800.99	0.0051	0	2	3800.055	-42.22	-13	Pass
3800.99	3804.99	0.5	19.91	3	3801.004	-33.05	-13	Pass
3804.99	3805	1	22.92	4	3804.995	-39.00	-13	Pass

1.11 30k_MIMO_30MHz_NTNV

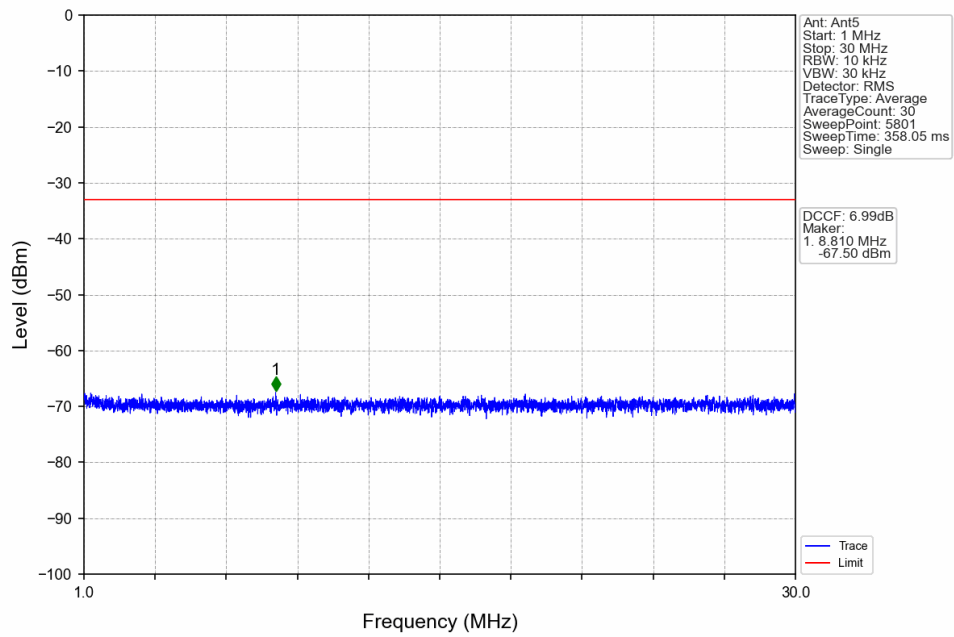
1.11.1 Test Result

5G NR n78a SCS=30kHz MIMO 30MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3715.02	Edge_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
	3784.98	Edge_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass
		Inner_1RB_Right	Refer To Test Graph				Pass
			Refer To Test Graph				Pass
			Refer To Test Graph				Pass

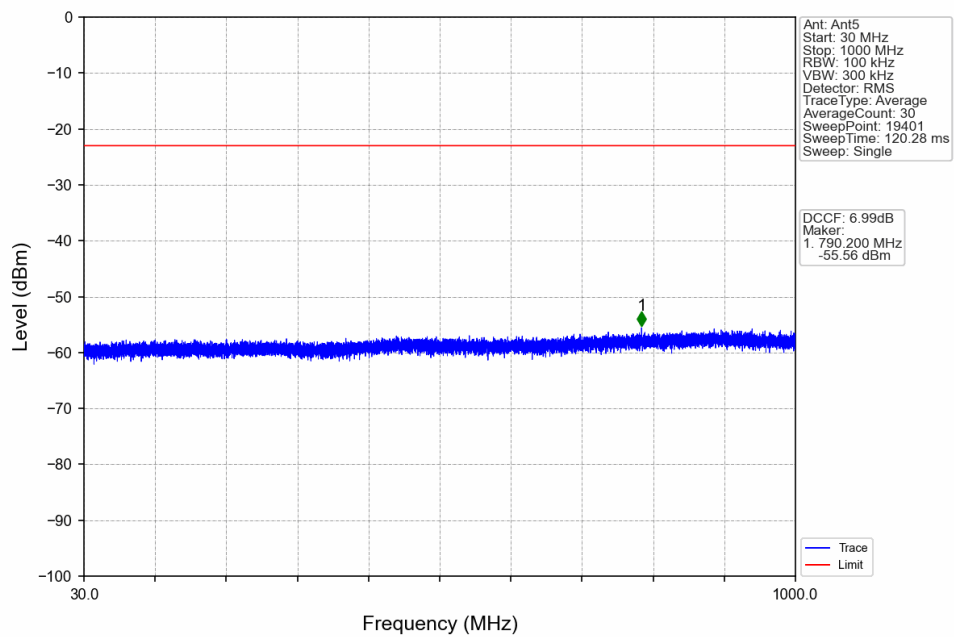
1.11.2 Test Graph



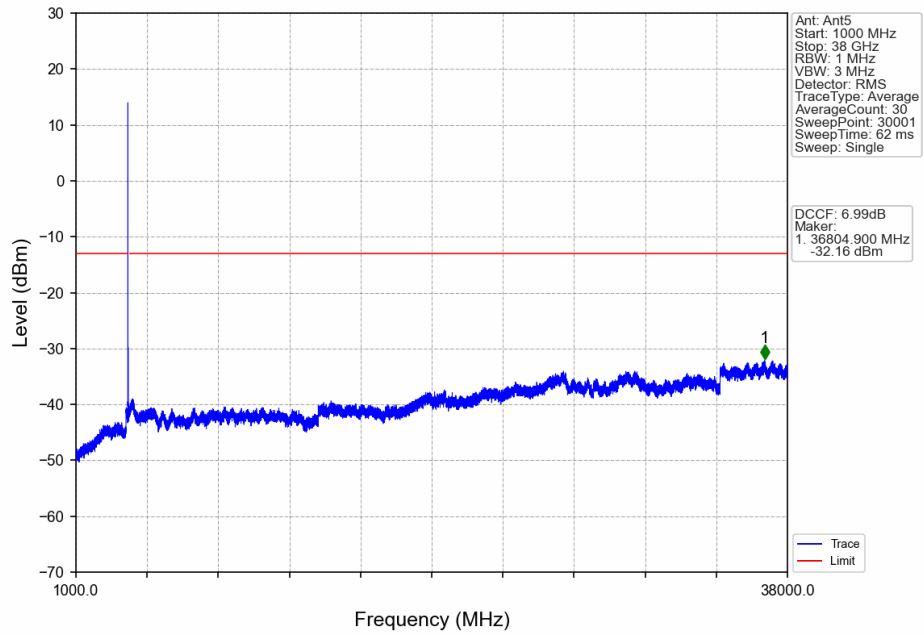
n78a 30kHz MIMO NTNv 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



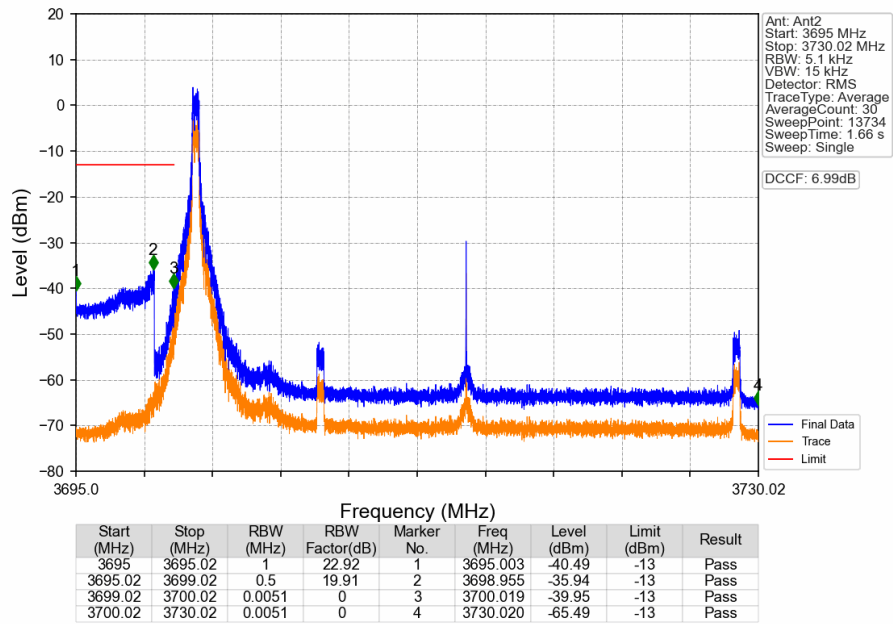
n78a 30kHz MIMO NTNv 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



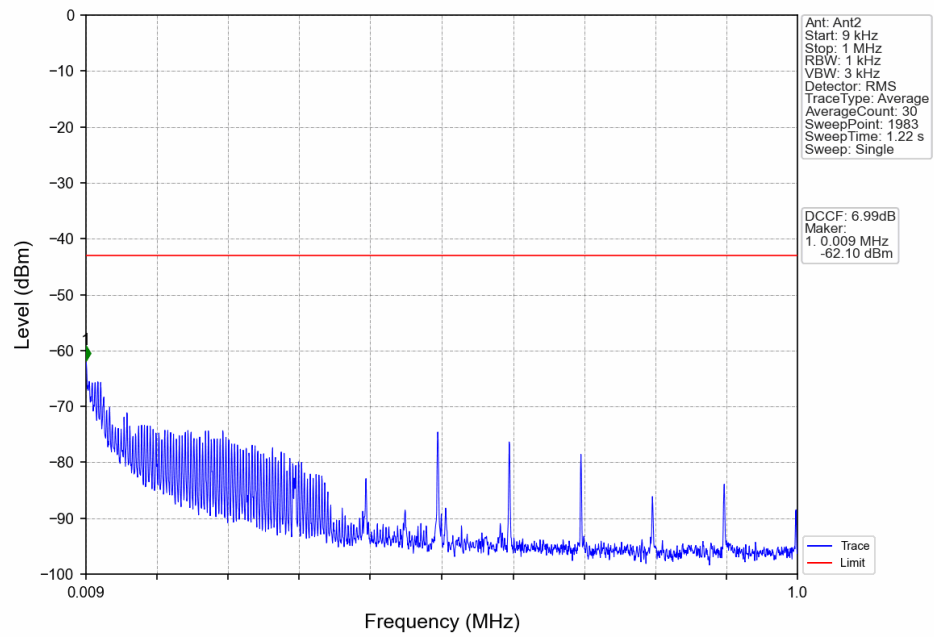
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



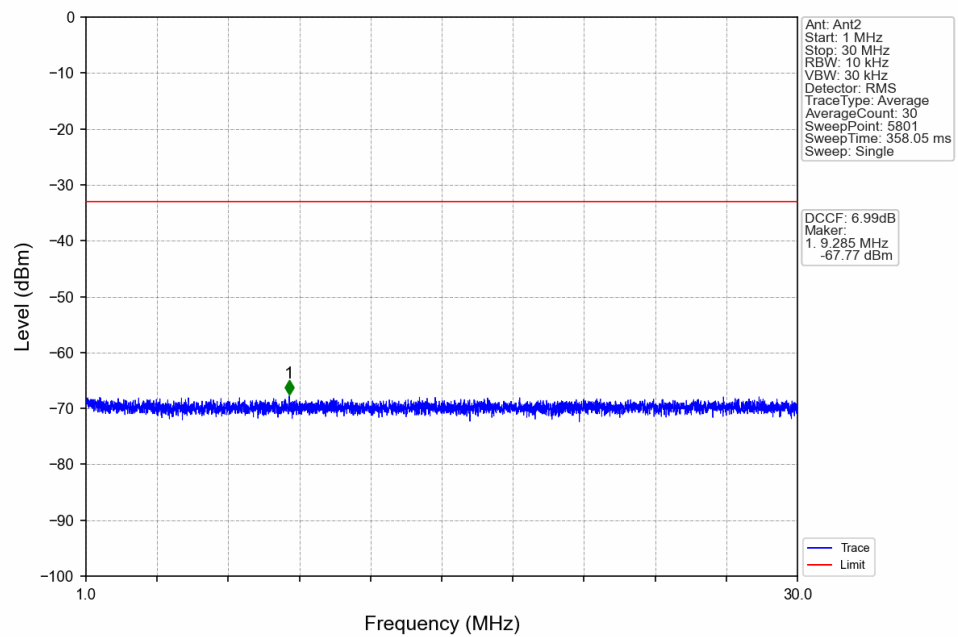
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



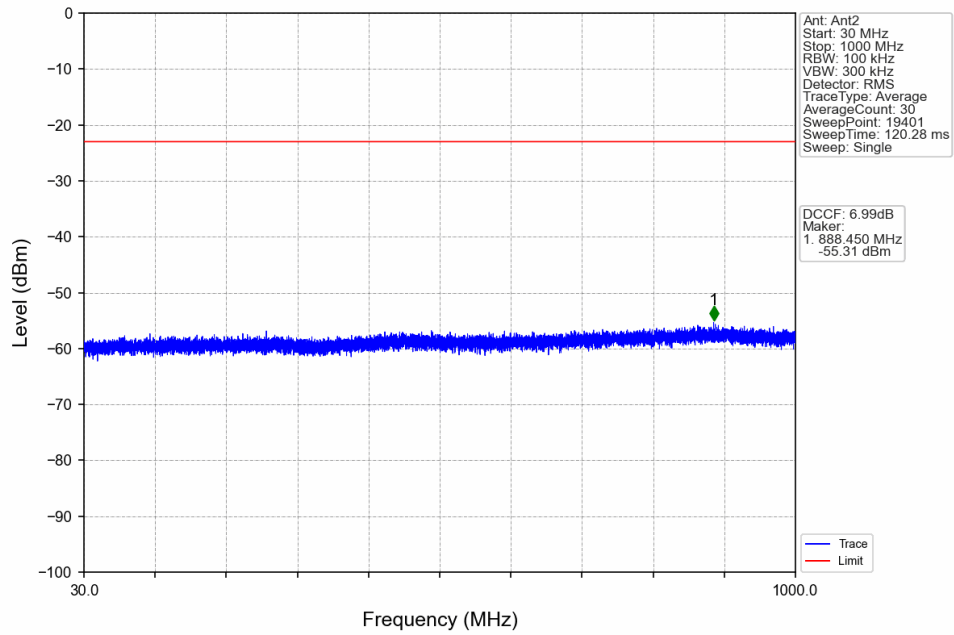
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



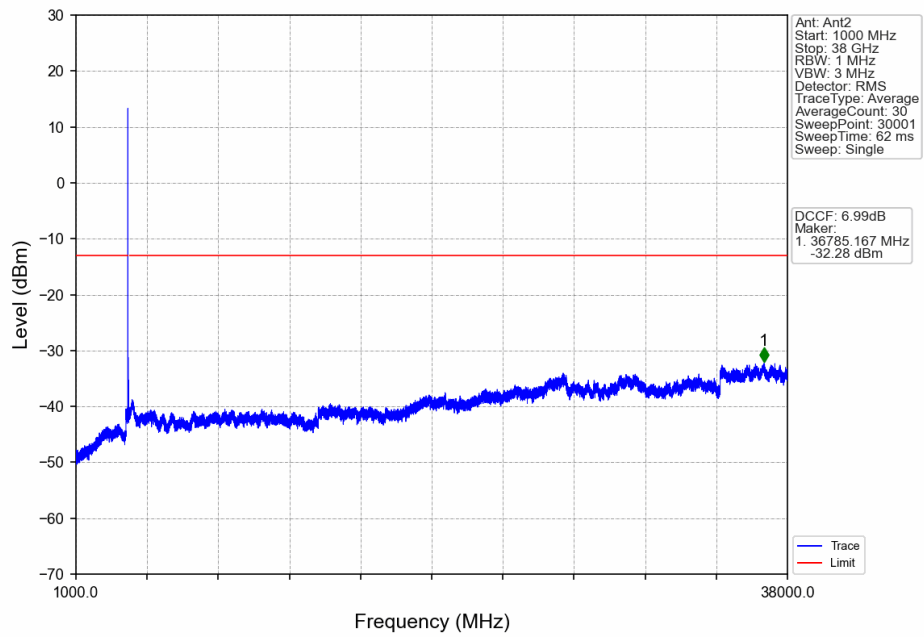
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



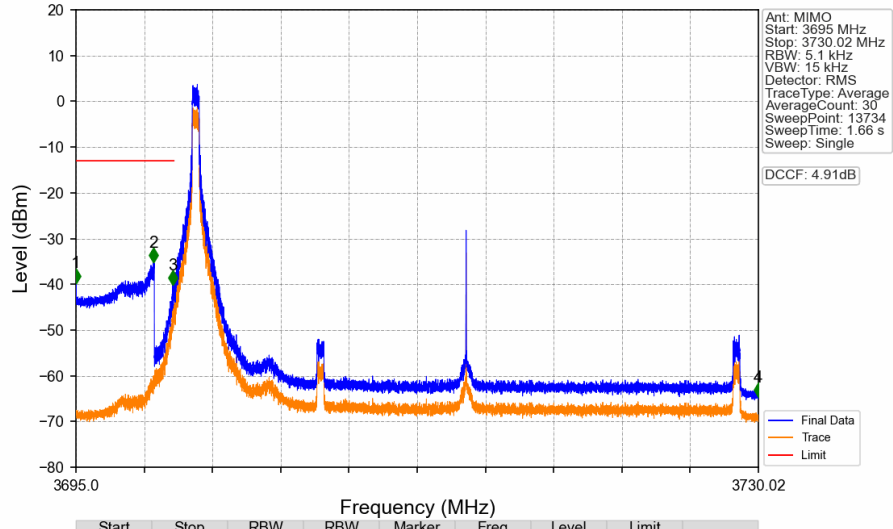
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



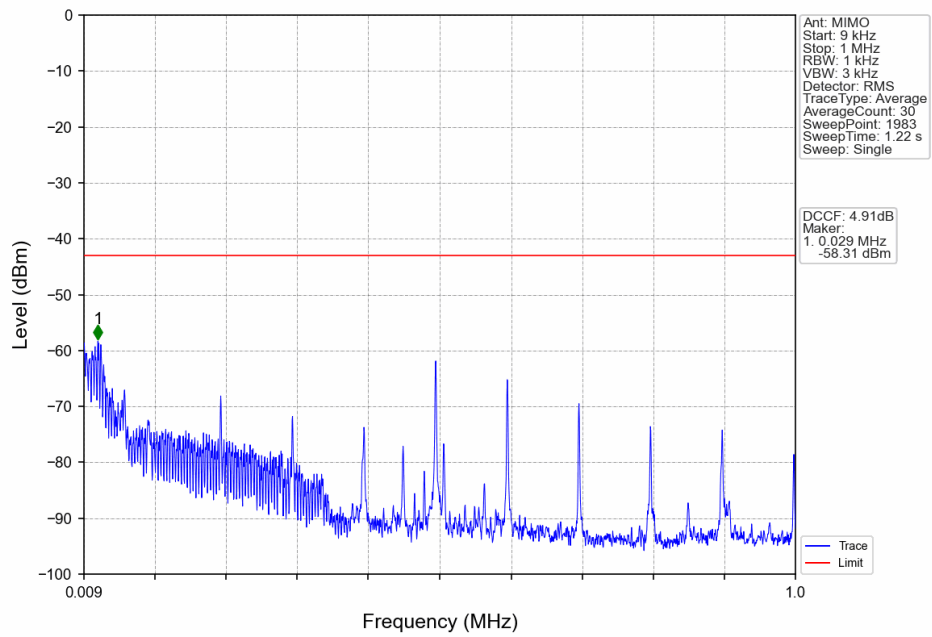
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



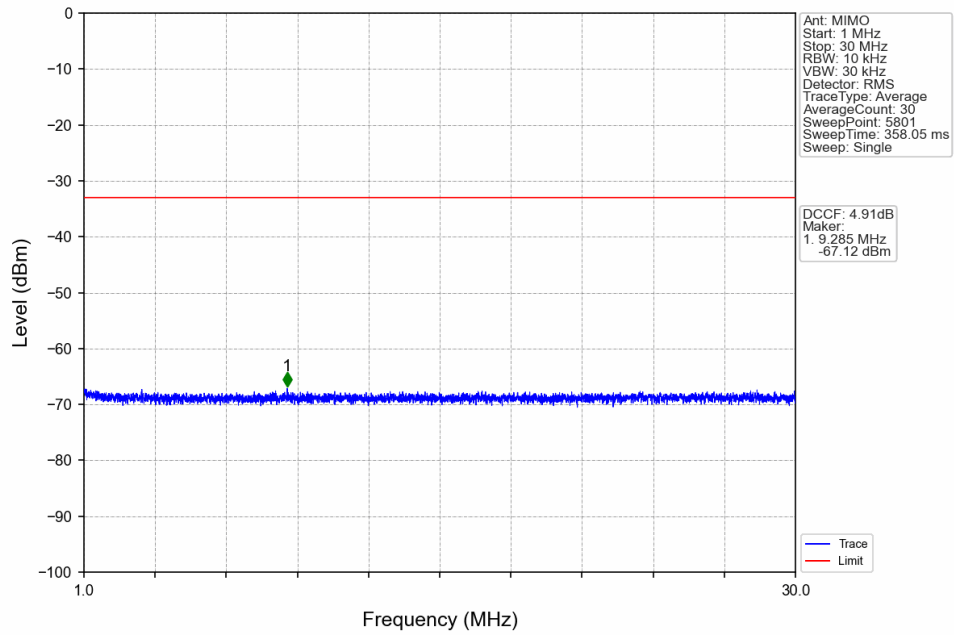
n78a 30kHz MIMO NTNv 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



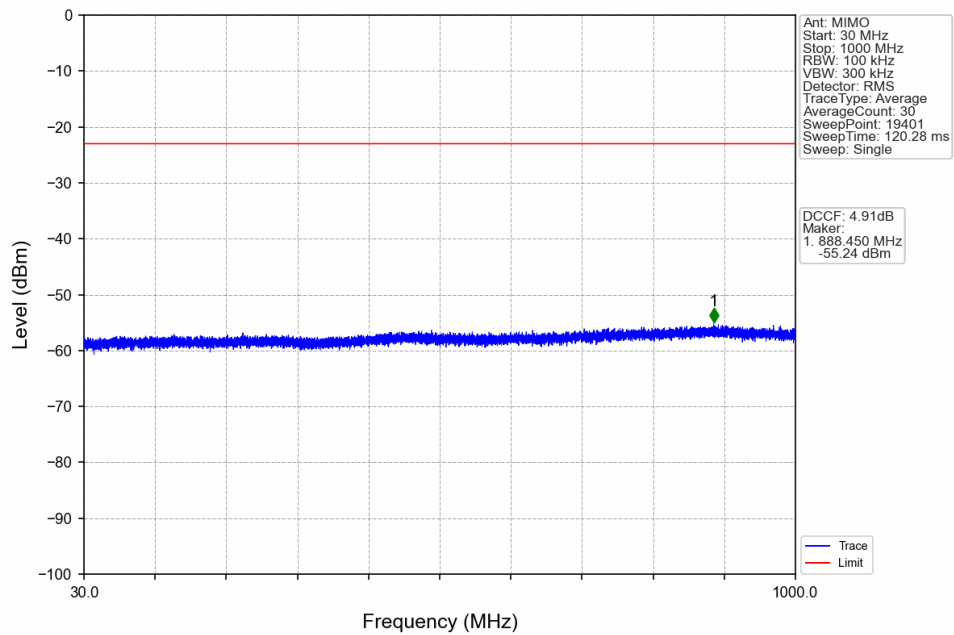
n78a 30kHz MIMO NTNv 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



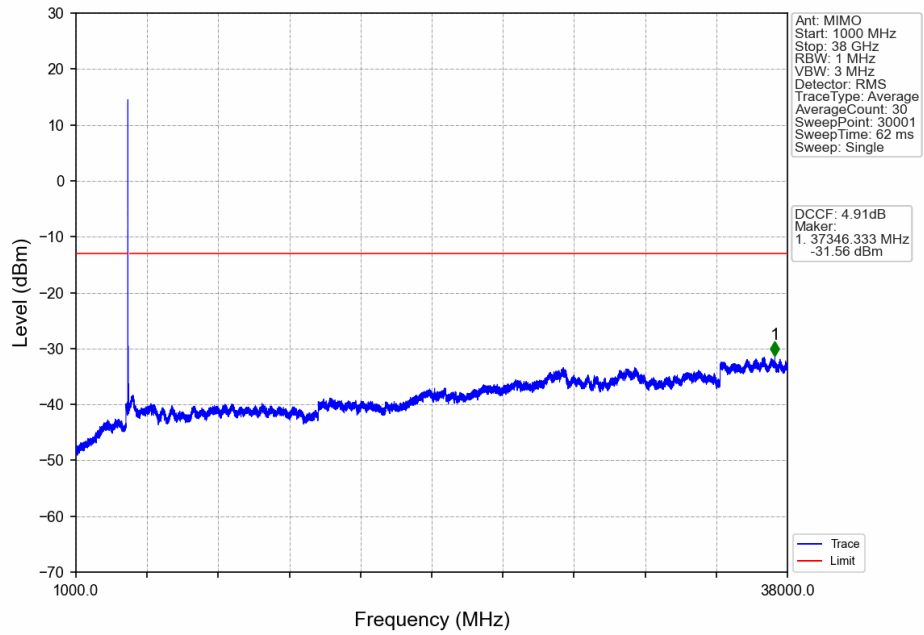
n78a 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



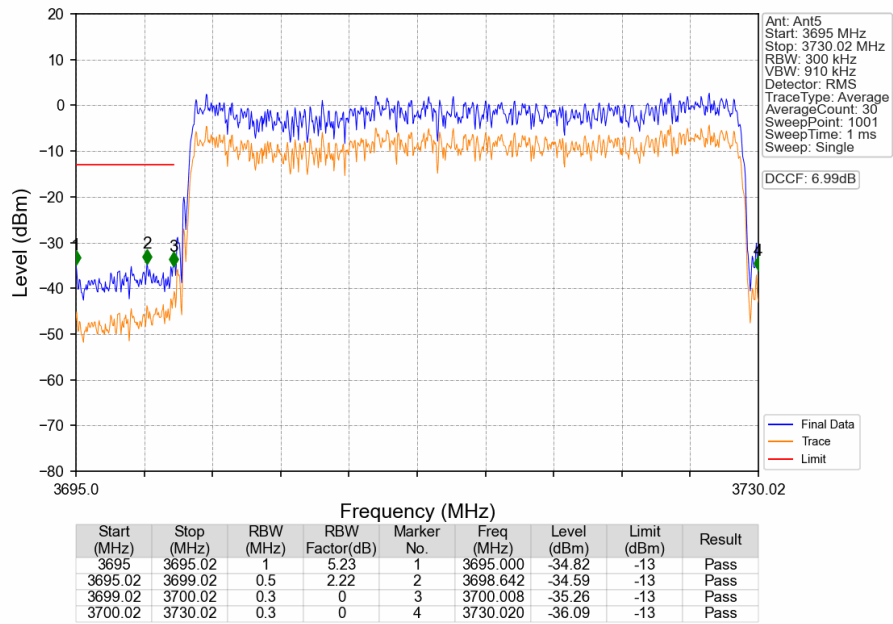
n78a 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



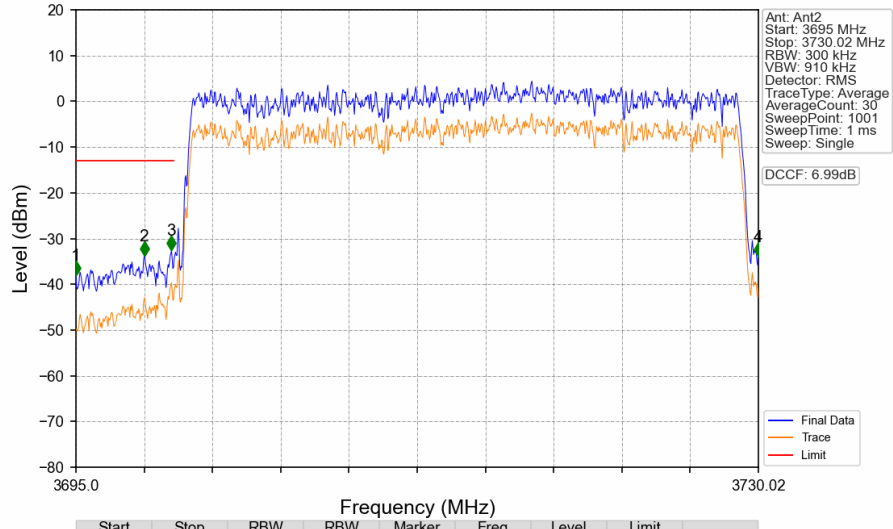
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3715.02MHz Edge 1RB Left



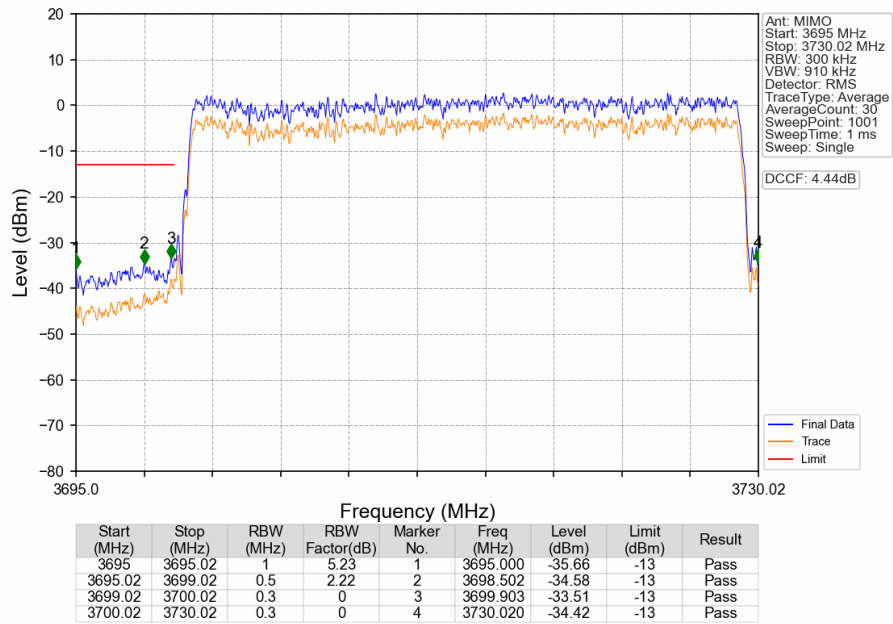
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3715.02MHz Outer Full



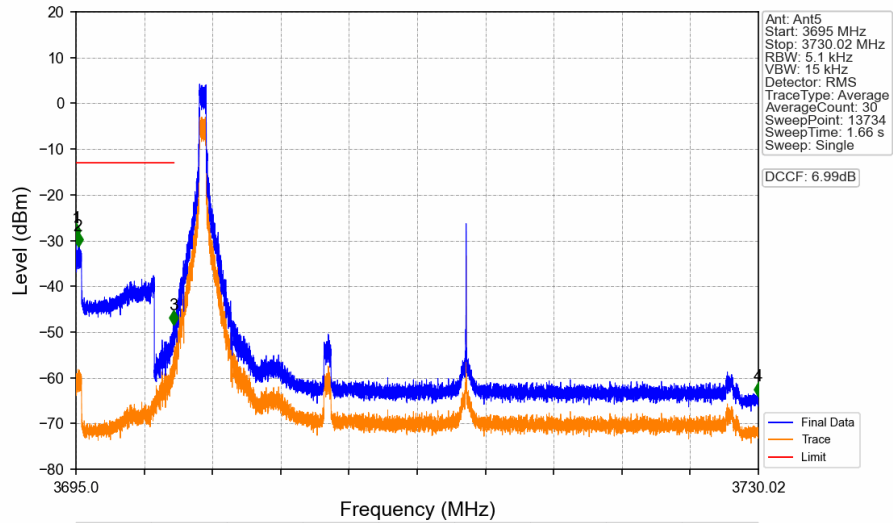
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3715.02MHz Outer Full



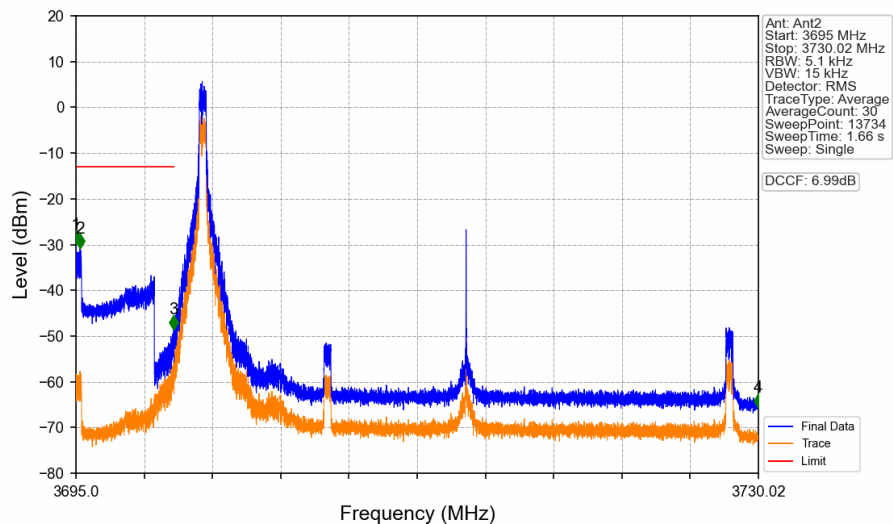
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3715.02MHz Outer Full



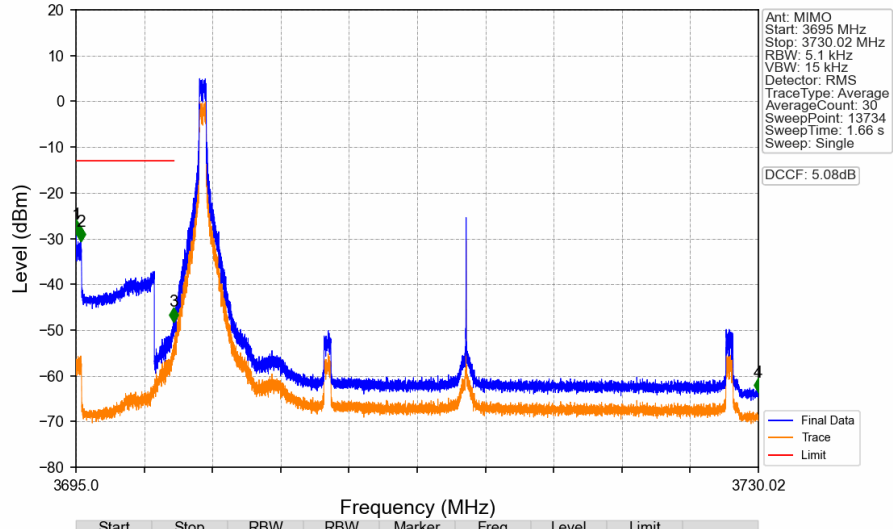
n78a 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3715.02MHz Inner 1RB Left



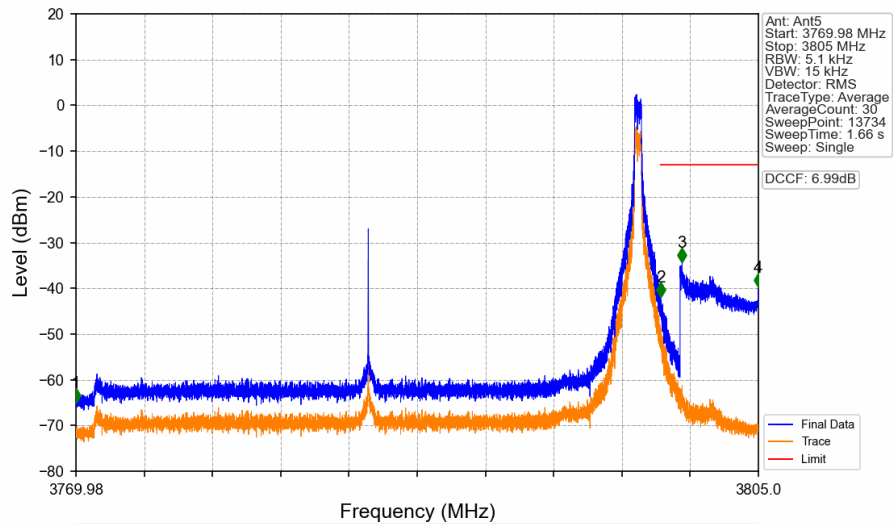
n78a 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3715.02MHz Inner 1RB Left



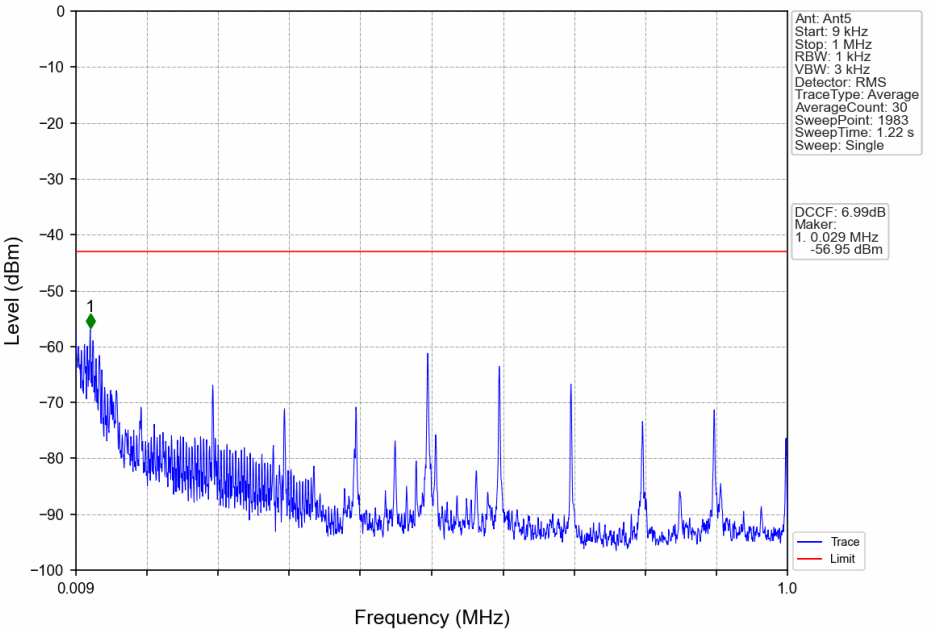
n78a 30kHz MIMO NTV 30MHz CP-OFDM QPSK 3715.02MHz Inner 1RB Left



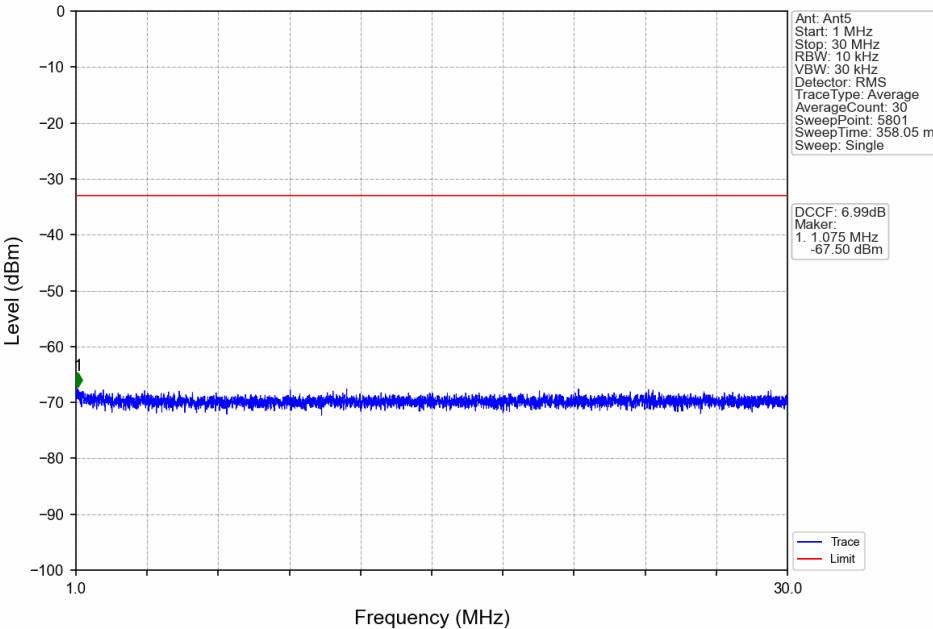
n78a 30kHz MIMO NTV 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right



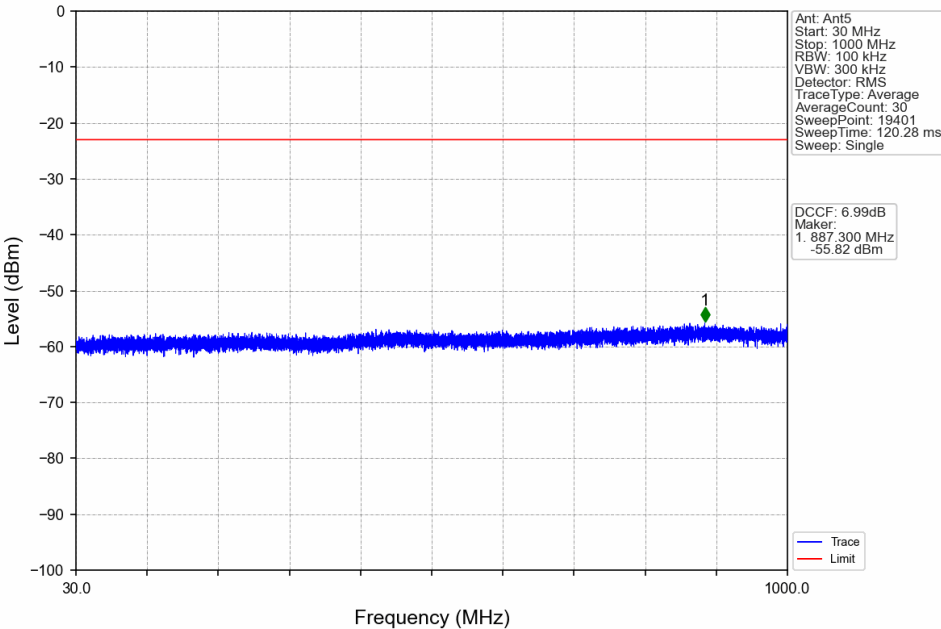
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right



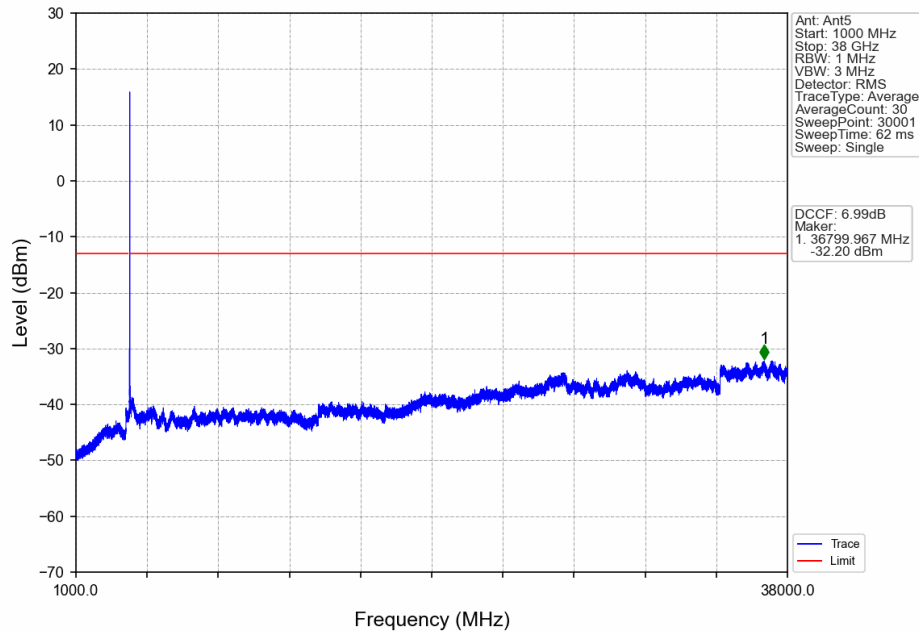
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right



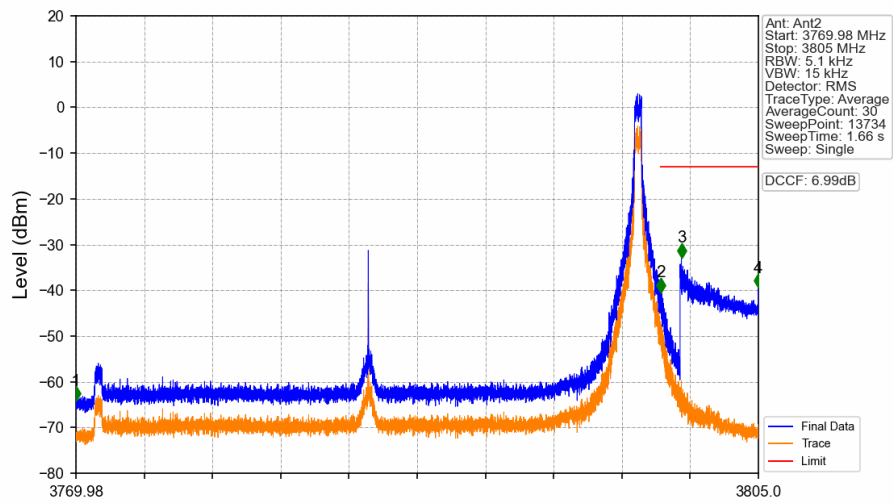
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right



n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right

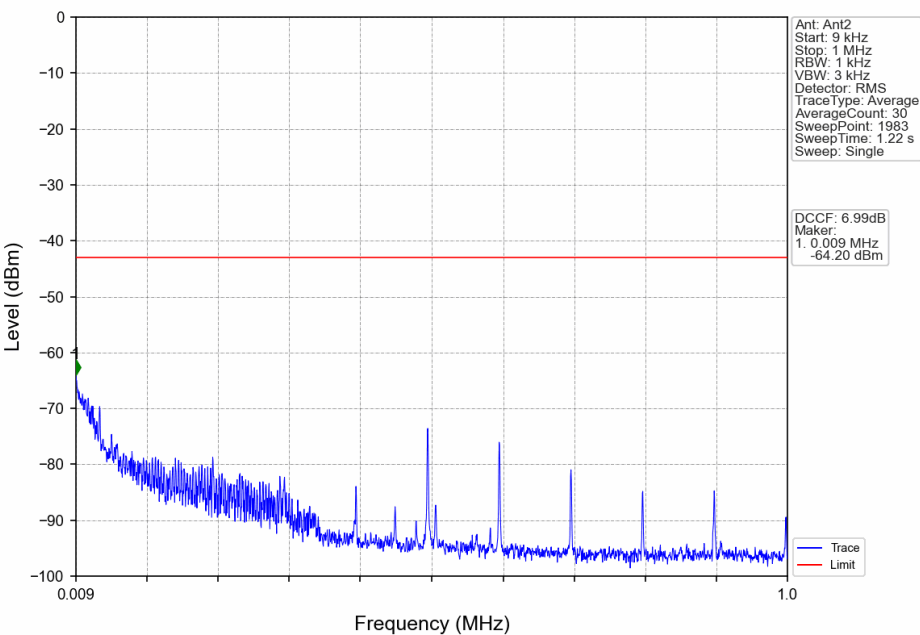


n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right

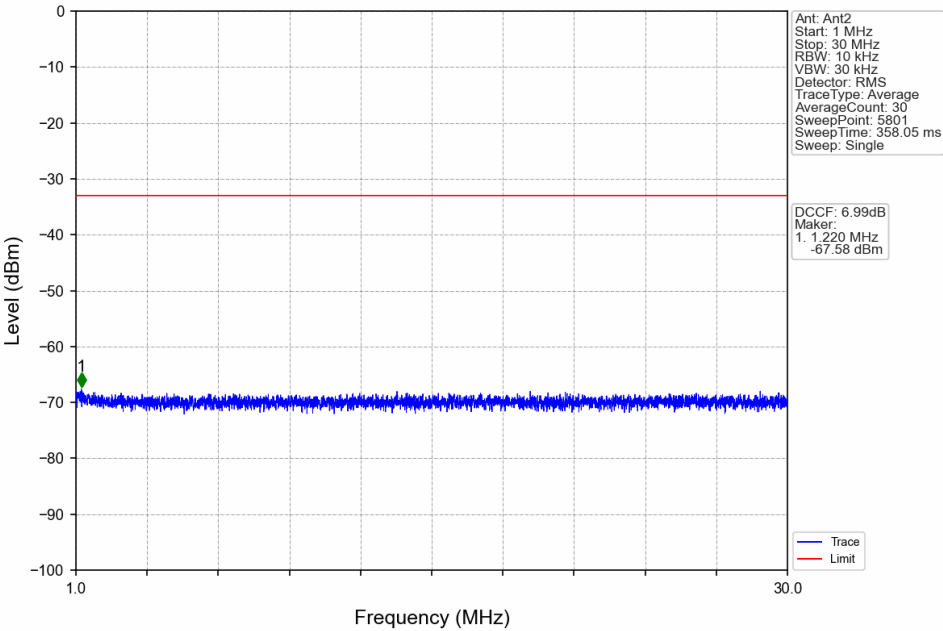


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.0051	0	1	3769.980	-64.12	-13	Pass
3799.98	3799.98	0.0051	0	/	/	/	/	/
3799.98	3800.98	0.0051	0	2	3799.987	-40.43	-13	Pass
3800.98	3804.98	0.5	19.91	3	3801.047	-32.83	-13	Pass
3804.98	3805	1	22.92	4	3804.995	-39.44	-13	Pass

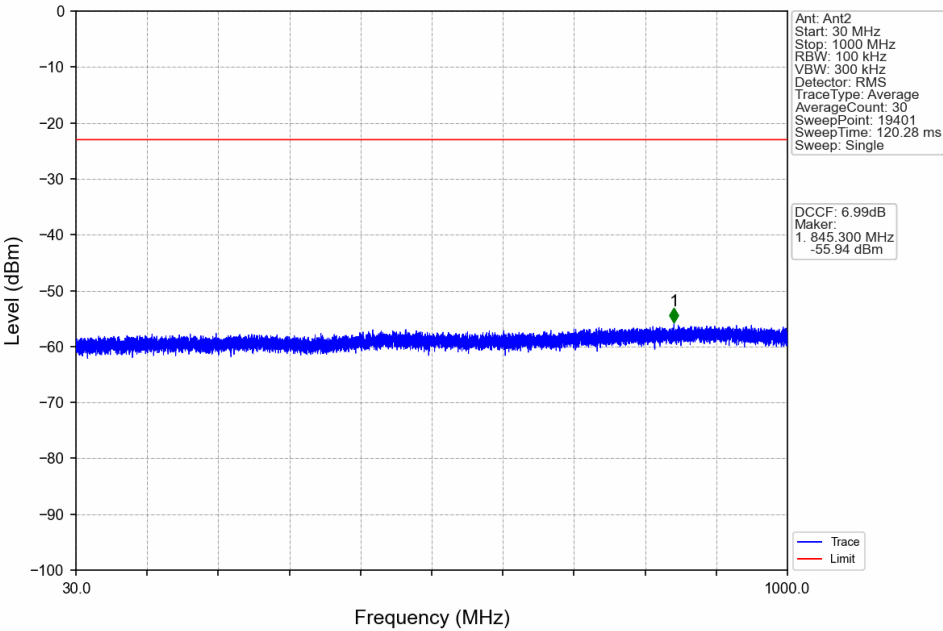
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right



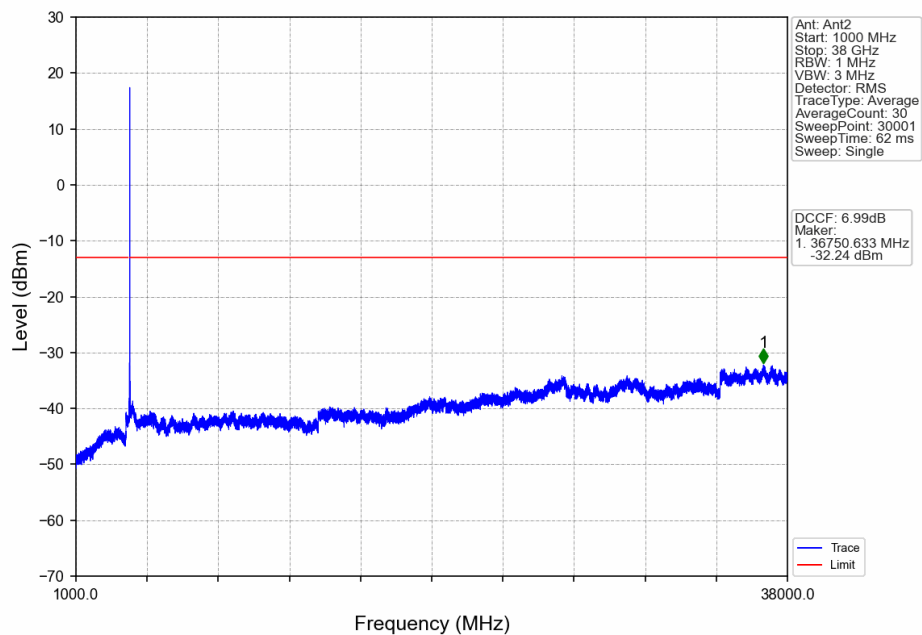
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right



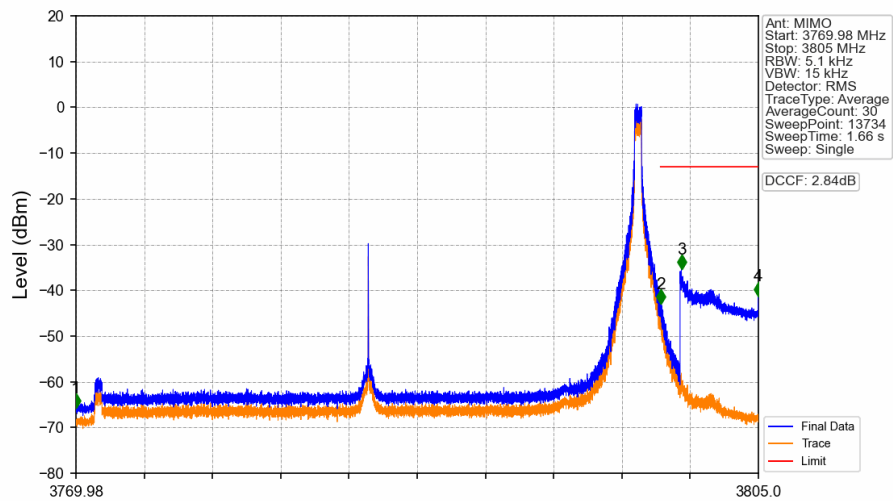
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right



n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right

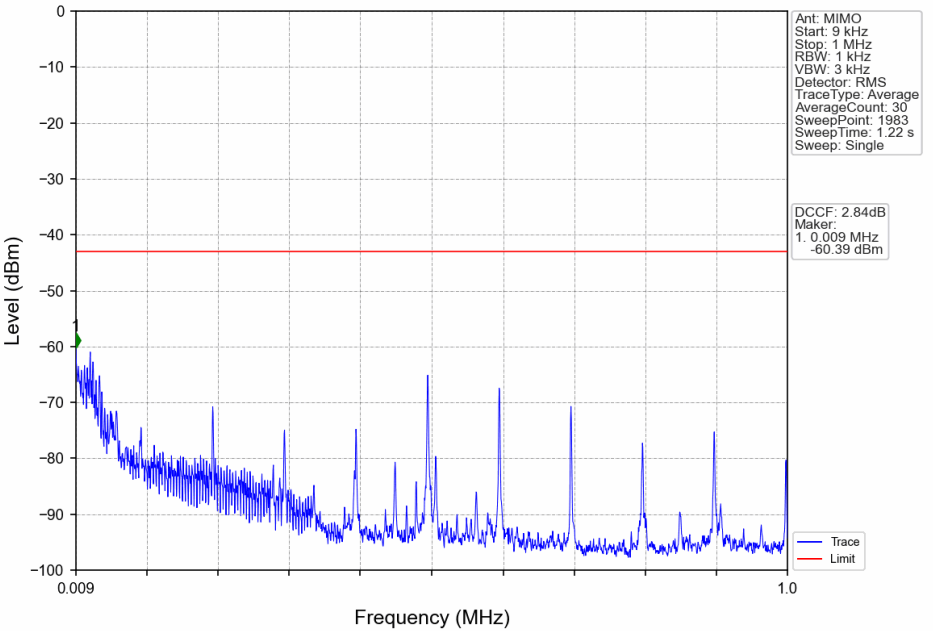


n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right

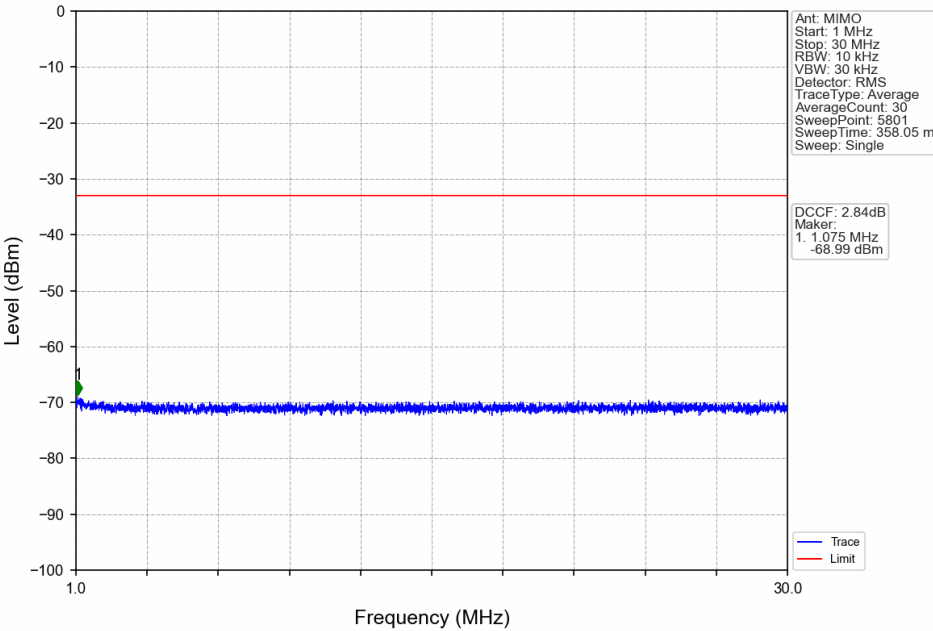


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.0051	0	1	3769.980	-65.67	-13	Pass
3799.98	3799.98	0.0051	0	/	/	/	/	/
3799.98	3800.98	0.0051	0	2	3799.987	-42.96	-13	Pass
3800.98	3804.98	0.5	19.91	3	3801.047	-35.37	-13	Pass
3804.98	3805	1	22.92	4	3804.997	-41.31	-13	Pass

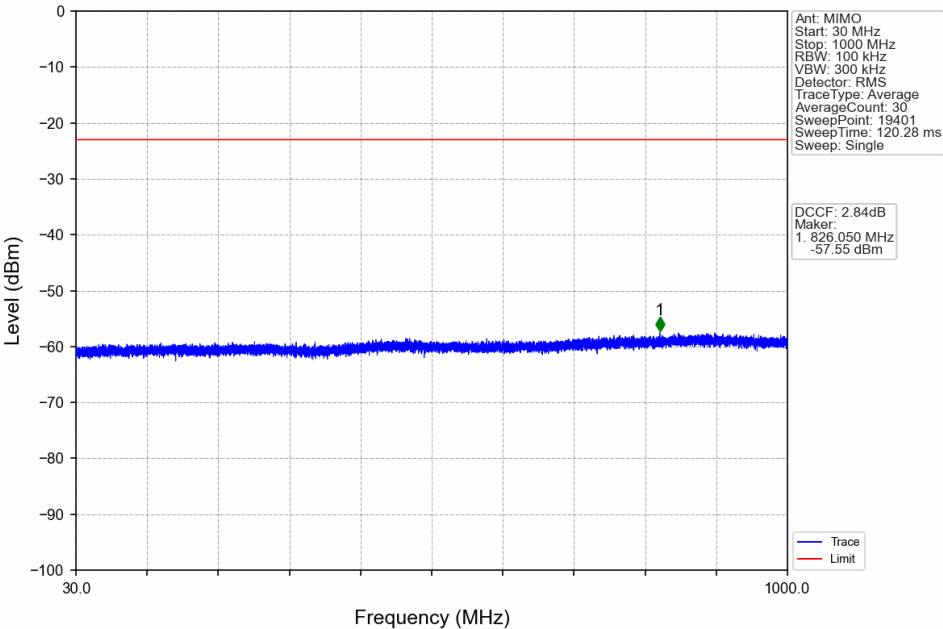
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right



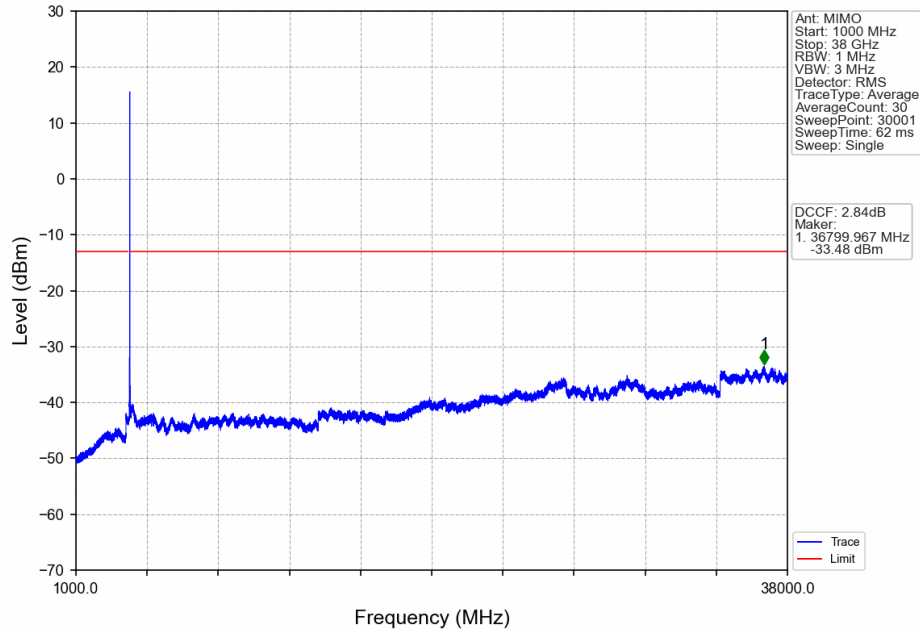
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right



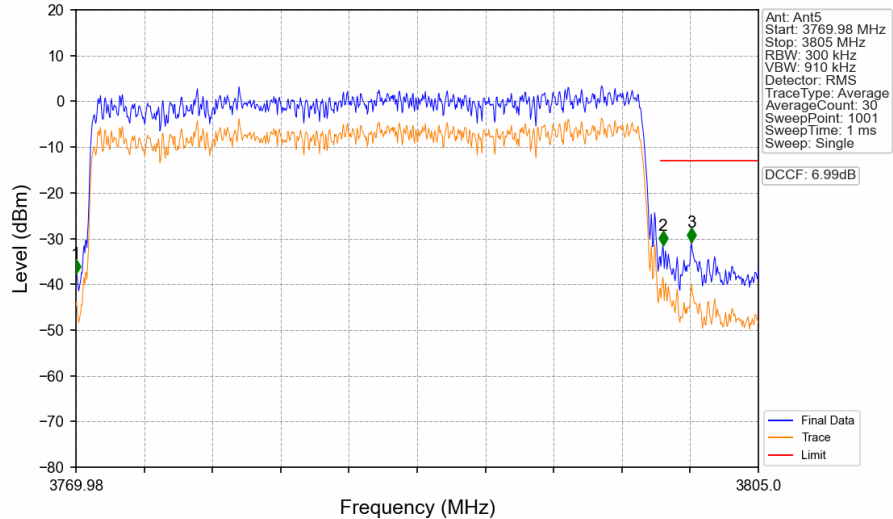
n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right



n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Edge 1RB Right

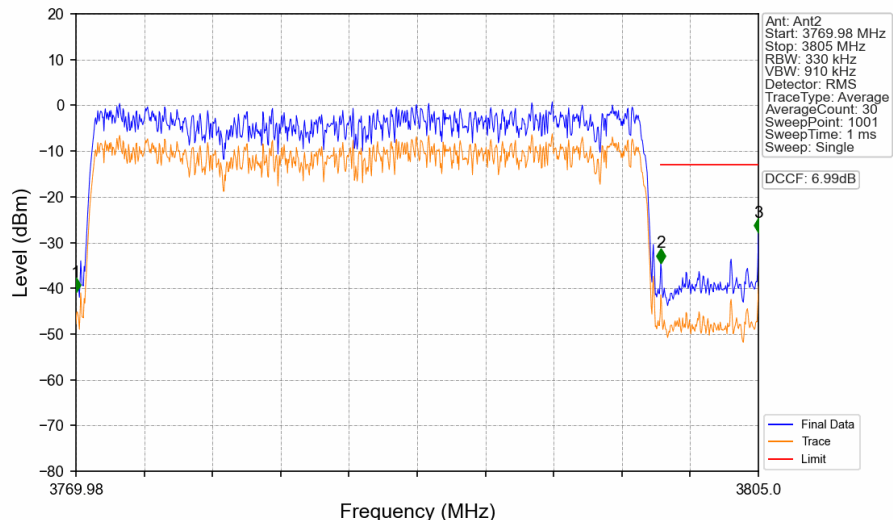


n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Outer Full



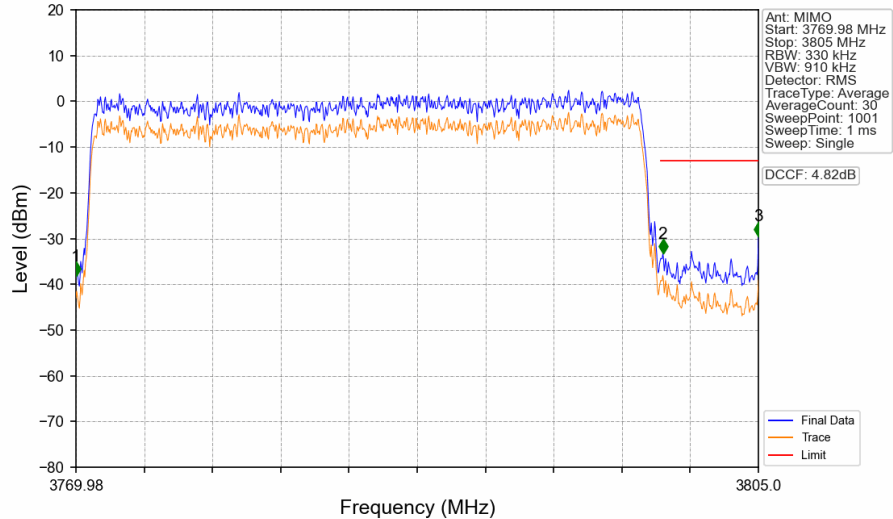
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.3	0	1	3769.980	-37.72	-13	Pass
3799.98	3799.98	0.3	0	/	/	/	/	/
3799.98	3800.98	0.3	0	2	3800.097	-31.45	-13	Pass
3800.98	3804.98	0.5	2.22	3	3801.568	-30.82	-13	Pass

n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Outer Full



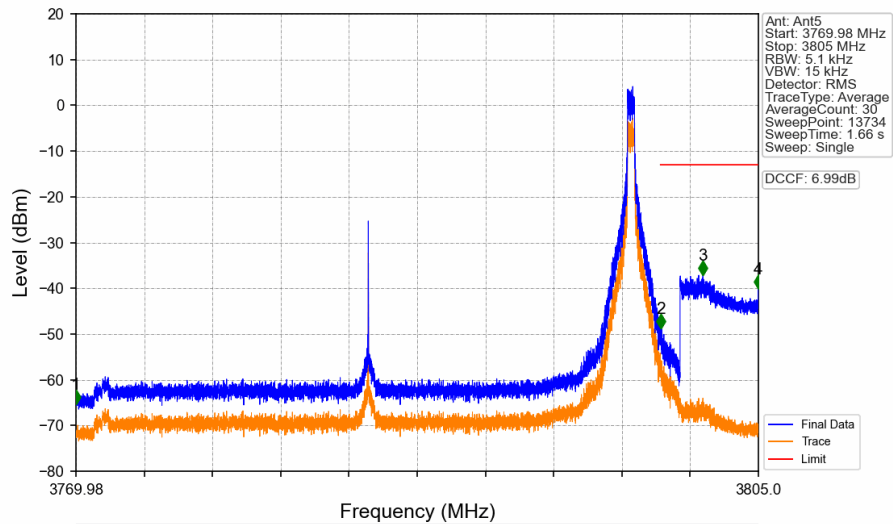
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.33	0	1	3769.980	-40.80	-13	Pass
3799.98	3799.98	0.33	0	/	/	/	/	/
3799.98	3800.98	0.33	0	2	3799.992	-34.42	-13	Pass
3800.98	3804.98	0.5	1.8	3	3805.000	-27.85	-13	Pass

n78a 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3784.98MHz Outer Full



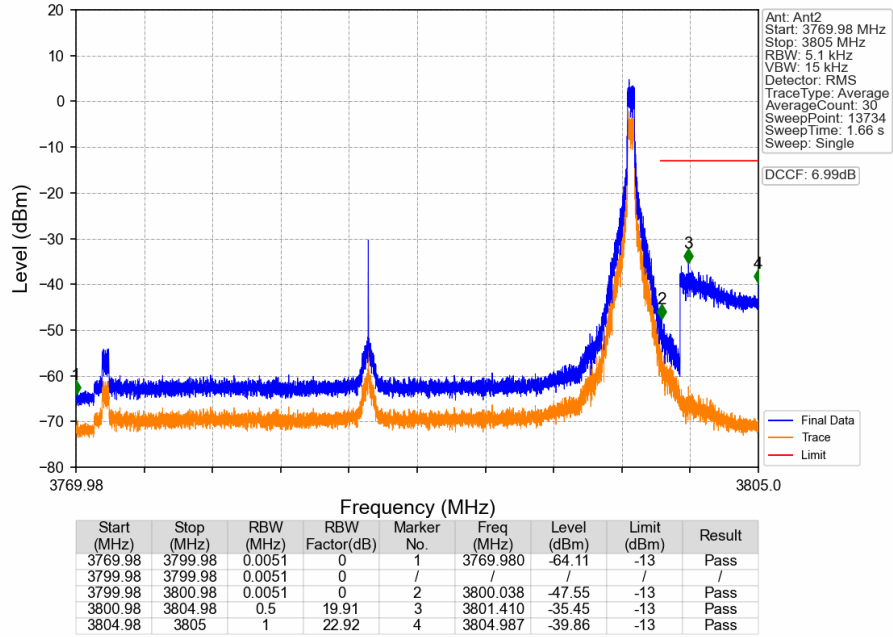
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.33	0	1	3769.980	-38.15	-13	Pass
3799.98	3799.98	0.33	0	/	/	/	/	/
3799.98	3800.98	0.33	0	2	3800.097	-33.25	-13	Pass
3800.98	3804.98	0.5	1.8	3	3805.000	-29.49	-13	Pass

n78a 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3784.98MHz Inner 1RB Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.0051	0	1	3769.980	-65.37	-13	Pass
3799.98	3799.98	0.0051	0	/	/	/	/	/
3799.98	3800.98	0.0051	0	2	3799.992	-48.79	-13	Pass
3800.98	3804.98	0.5	19.91	3	3802.152	-37.11	-13	Pass
3804.98	3805	1	22.92	4	3804.987	-40.18	-13	Pass

n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Inner 1RB Right



n78a 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3784.98MHz Inner 1RB Right

