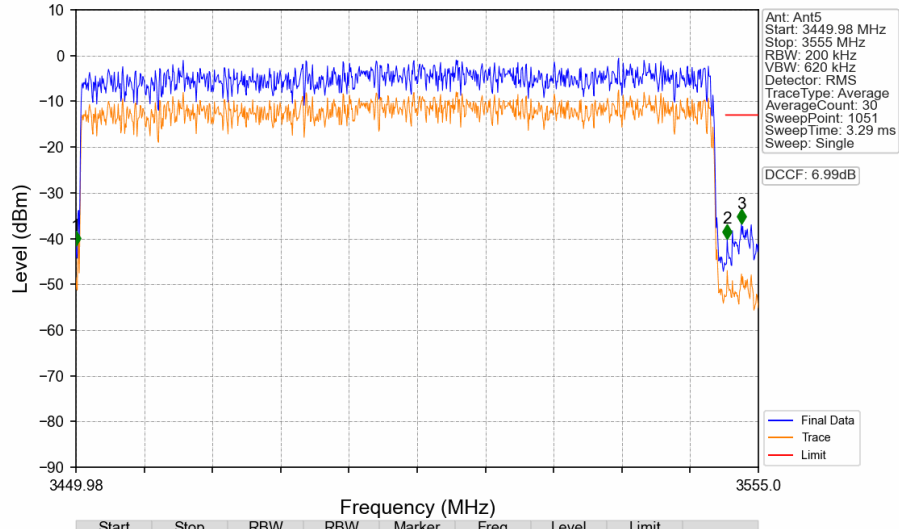
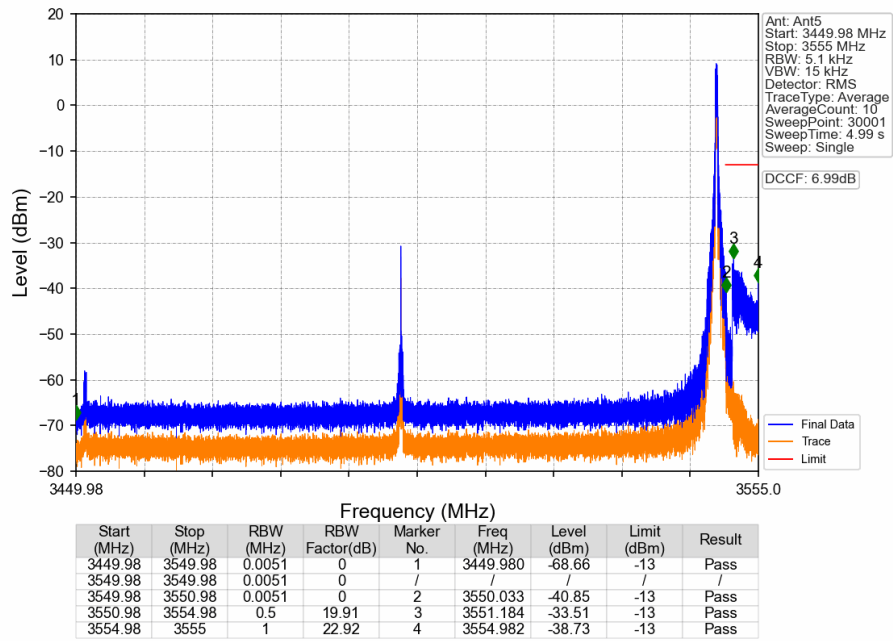


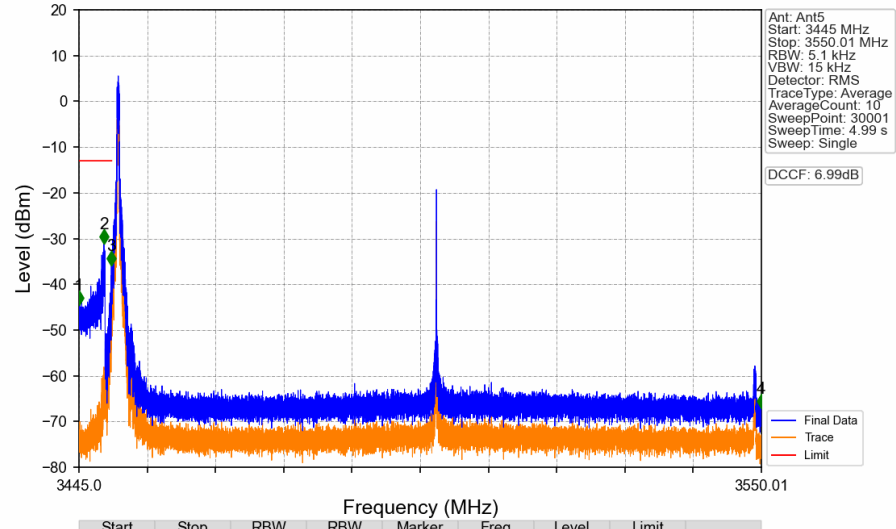
n78e 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3499.98MHz Outer Full



n78e 30kHz SISO NTN 100MHz DFT-s-OFDM QPSK 3499.98MHz Inner 1RB Right

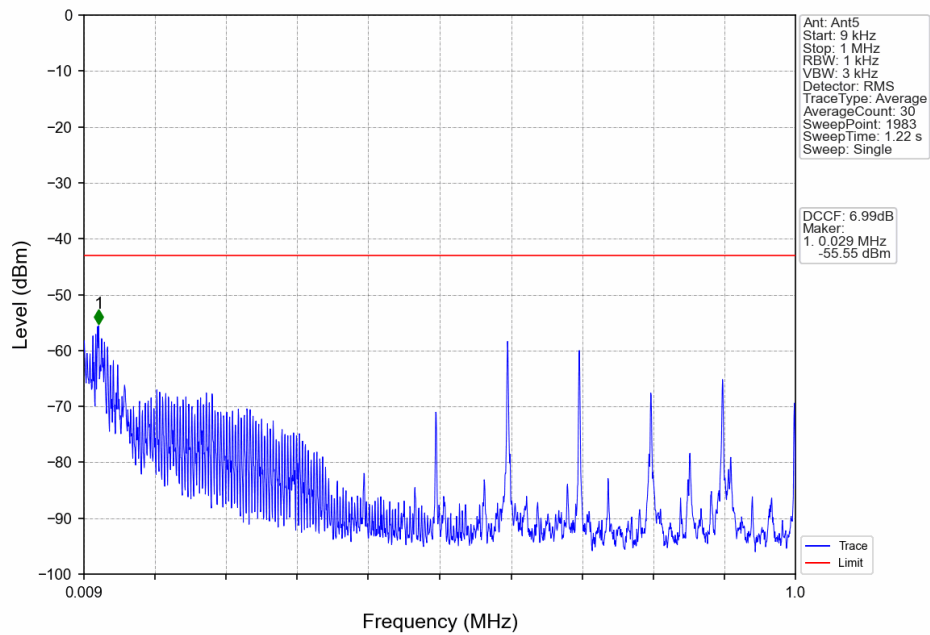


n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left

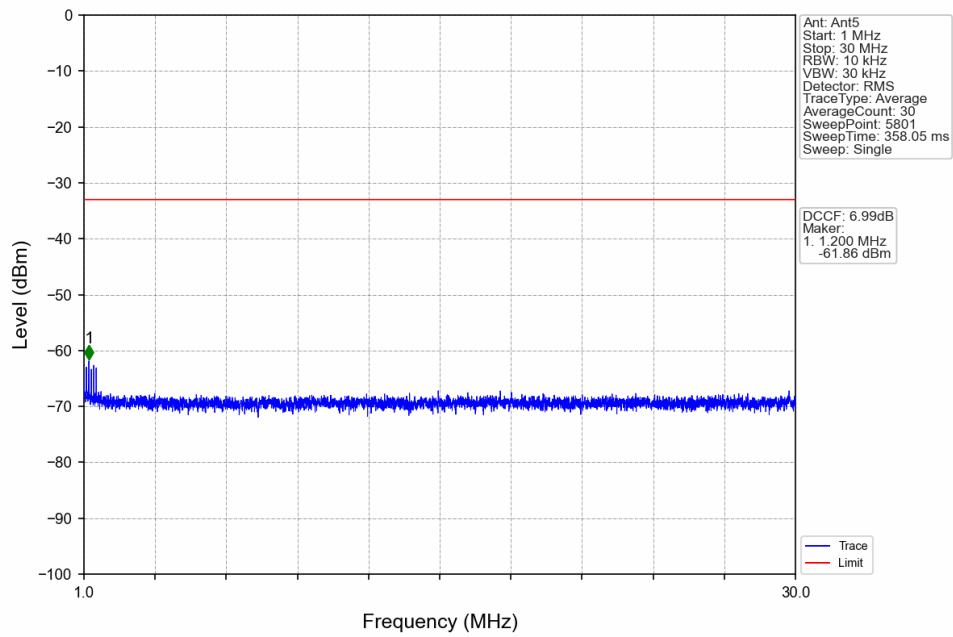


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	22.92	1	3445.000	-44.57	-13	Pass
3445.01	3449.01	0.5	19.91	2	3448.840	-31.17	-13	Pass
3449.01	3450.01	0.0051	0	3	3449.984	-35.88	-13	Pass
3450.01	3500.01	0.0051	0	4	3500.010	-67.12	-13	Pass

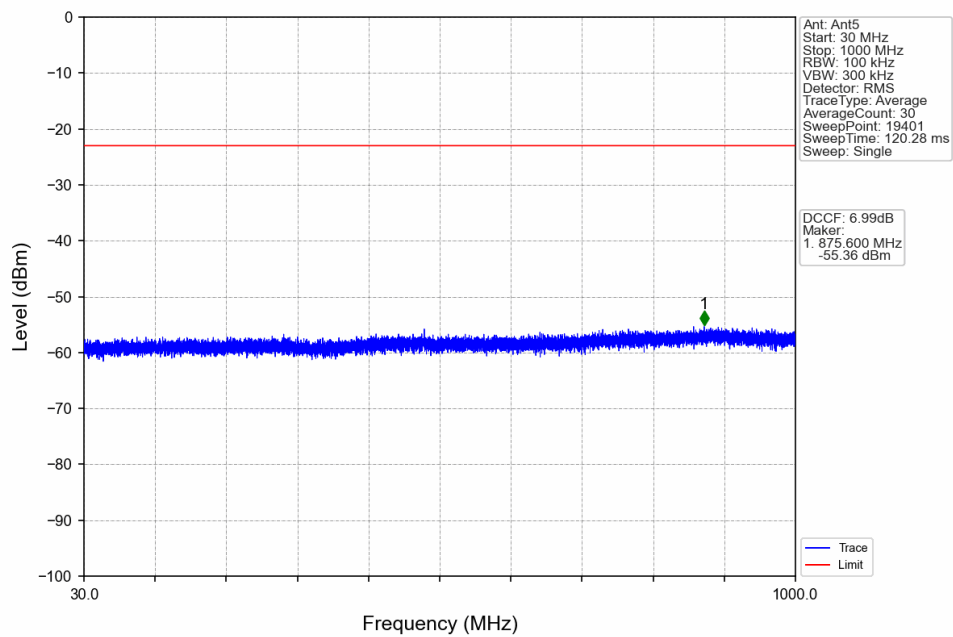
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



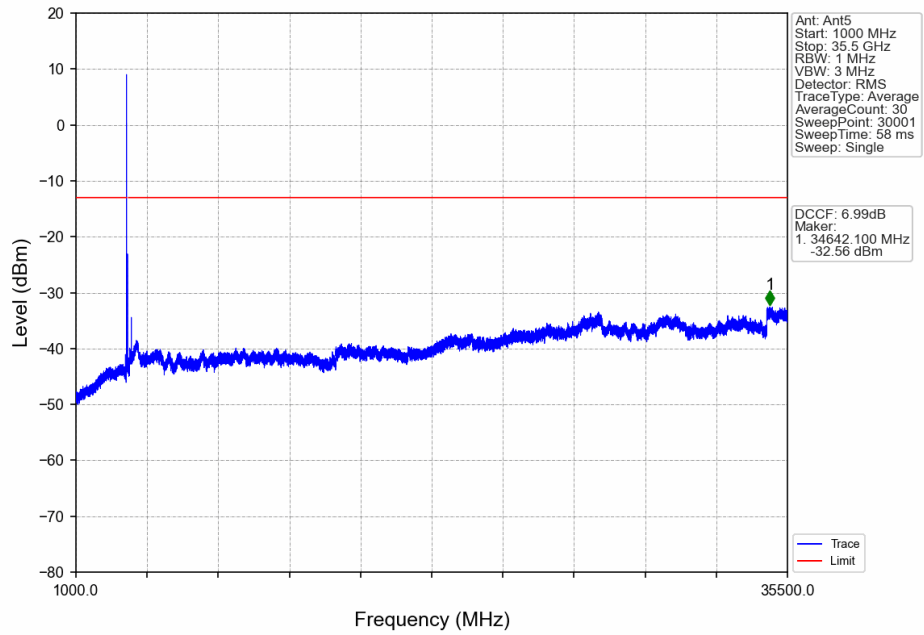
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



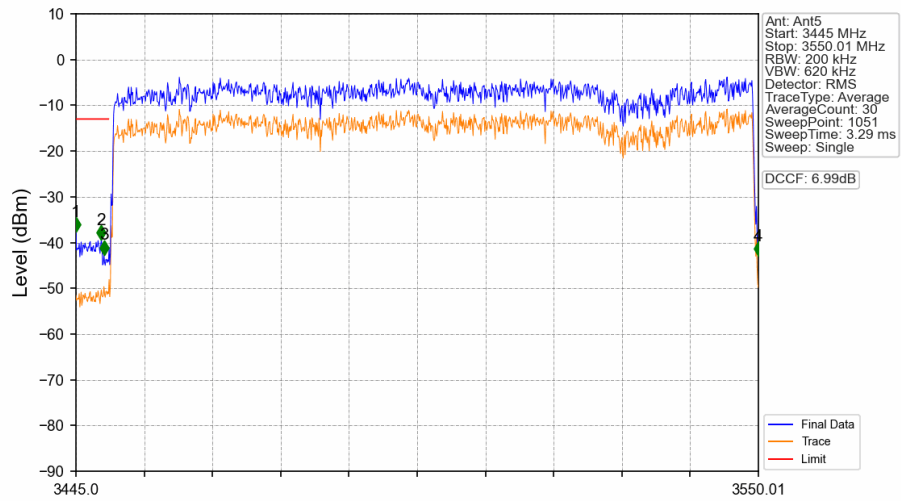
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left

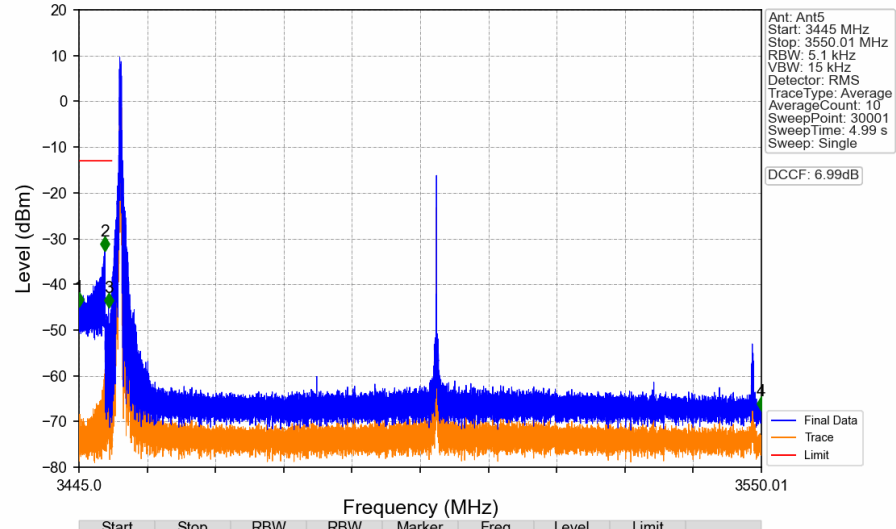


n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Outer Full



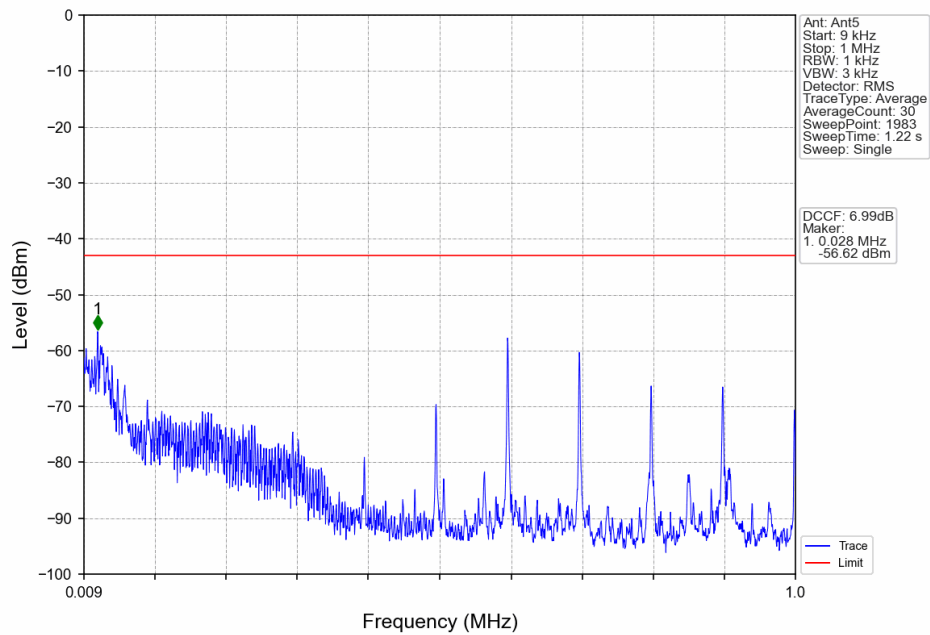
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	6.99	1	3445.000	-37.60	-13	Pass
3445.01	3449.01	0.5	3.98	2	3448.900	-39.36	-13	Pass
3449.01	3450.01	0.2	0	3	3449.300	-42.66	-13	Pass
3450.01	3550.01	0.2	0	4	3550.010	-42.89	-13	Pass

n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Inner 1RB Left

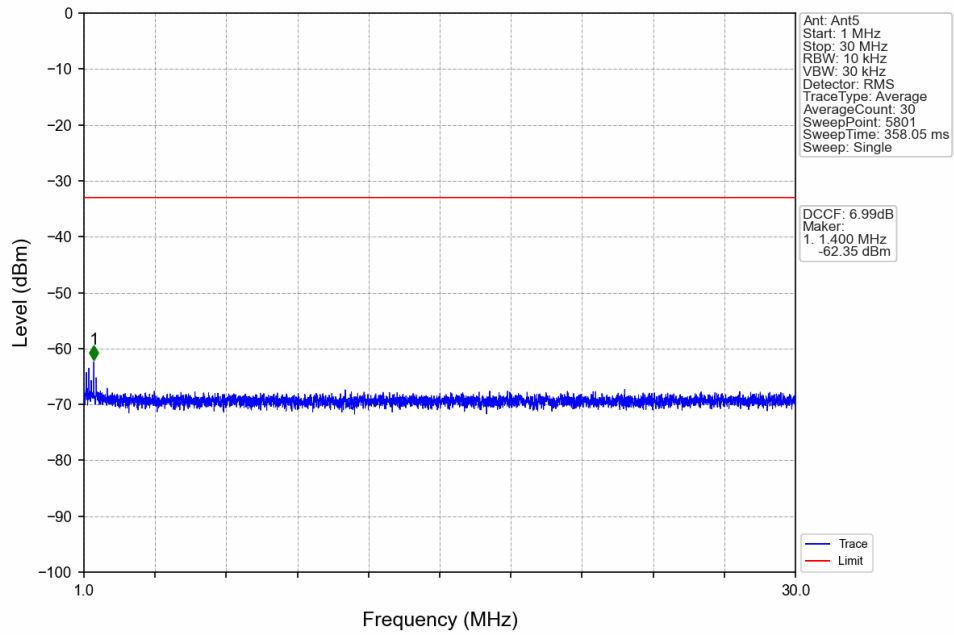


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	22.92	1	3445.007	-44.91	-13	Pass
3445.01	3449.01	0.5	19.91	2	3448.973	-32.71	-13	Pass
3449.01	3450.01	0.0051	0	3	3449.543	-45.09	-13	Pass
3450.01	3550.01	0.0051	0	4	3550.010	-67.61	-13	Pass

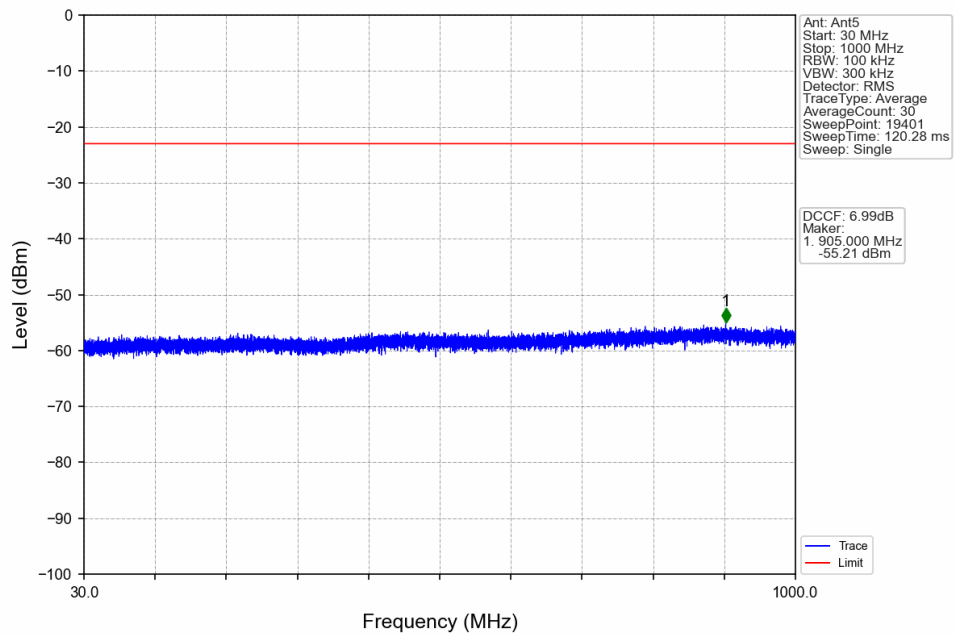
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



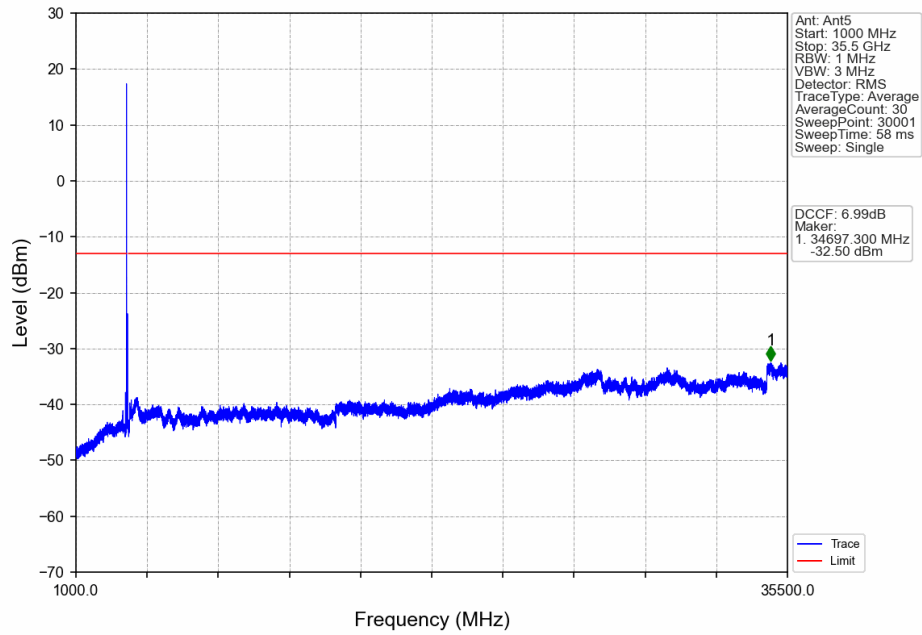
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



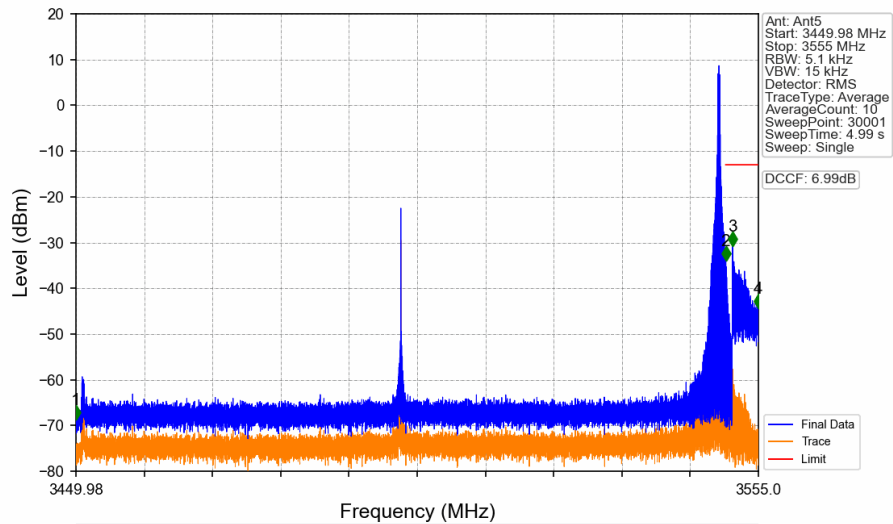
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left



n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3500.01MHz Edge 1RB Left

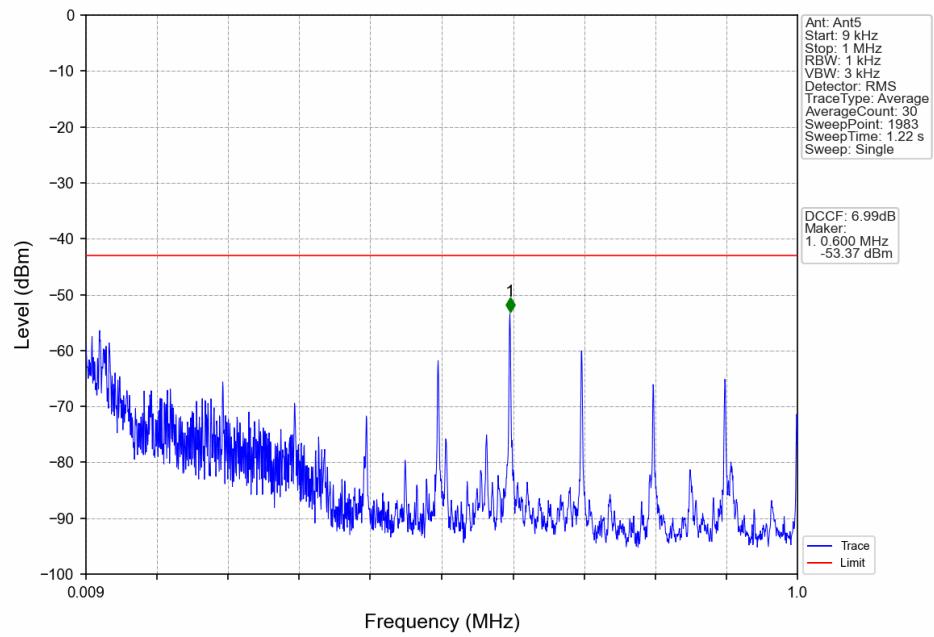


n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Edge 1RB Right

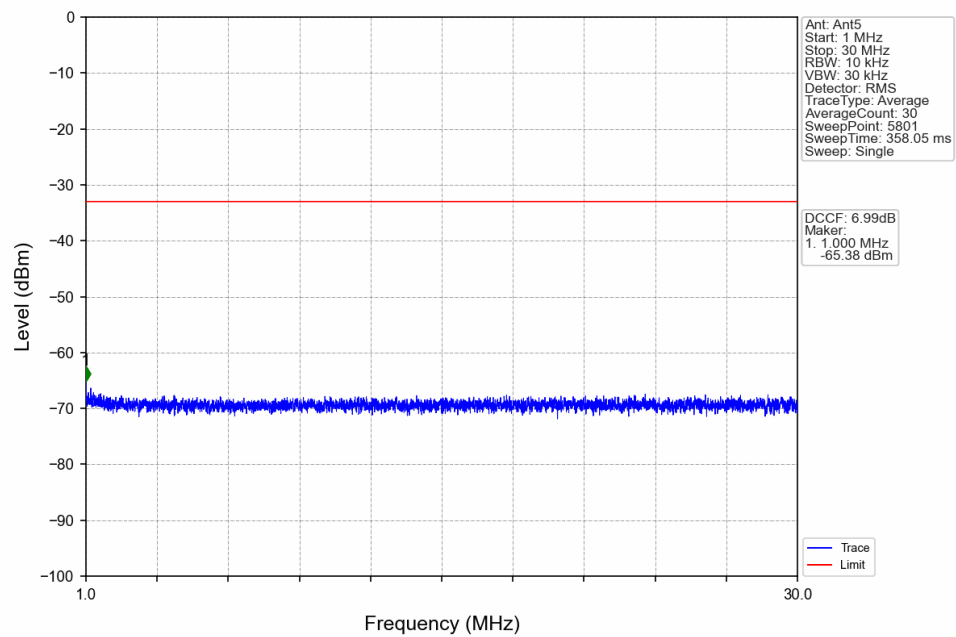


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3449.98	3549.98	0.0051	0	1	3449.980	-68.69	-13	Pass
3549.98	3549.98	0.0051	0	/	/	/	/	/
3549.98	3550.98	0.0051	0	2	3549.987	-34.03	-13	Pass
3550.98	3554.98	0.5	19.91	3	3551.027	-30.75	-13	Pass
3554.98	3555	1	22.92	4	3554.982	-44.41	-13	Pass

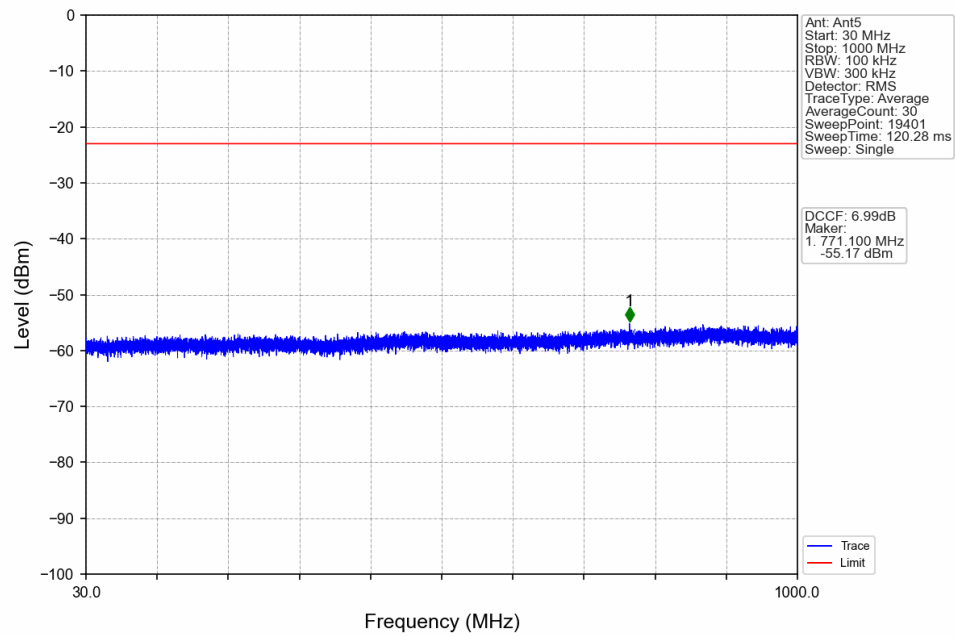
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Edge 1RB Right



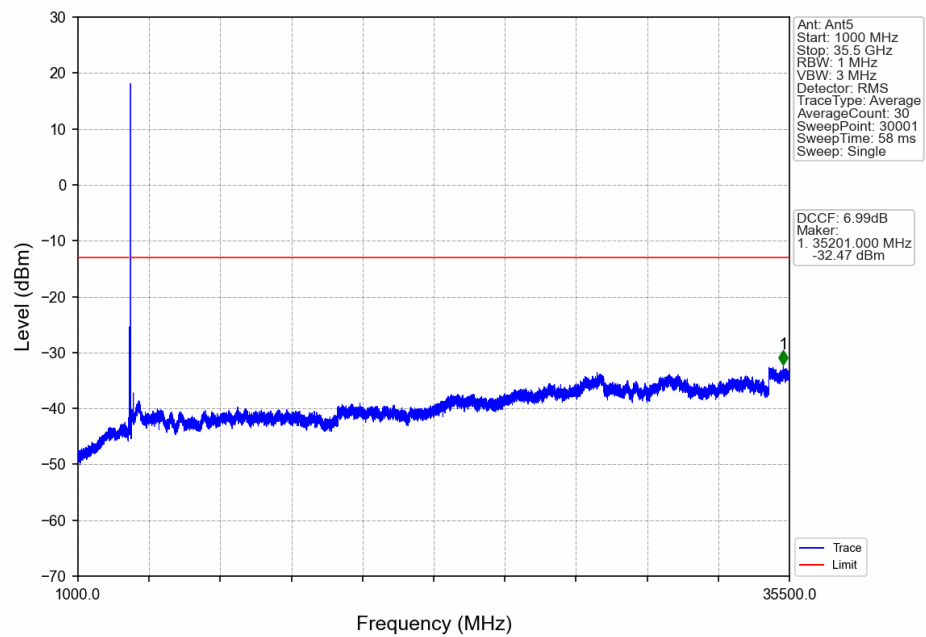
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Edge 1RB Right



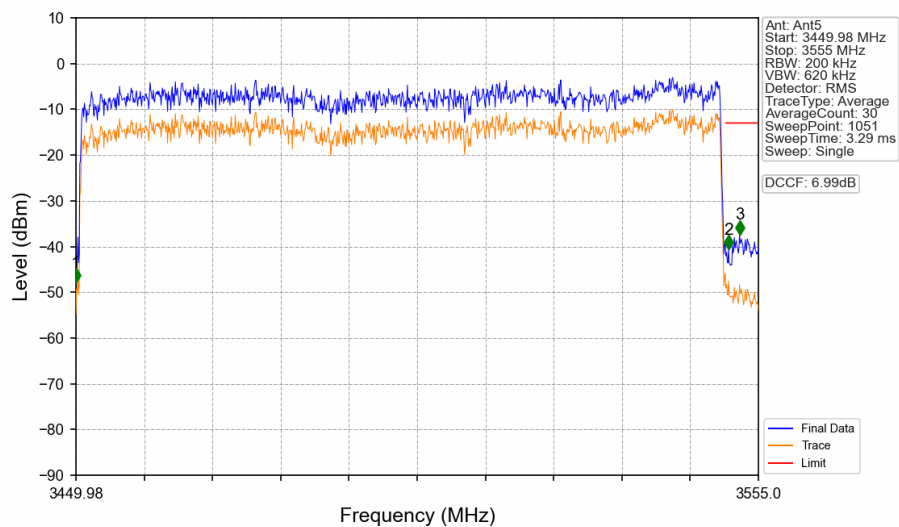
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Edge 1RB Right



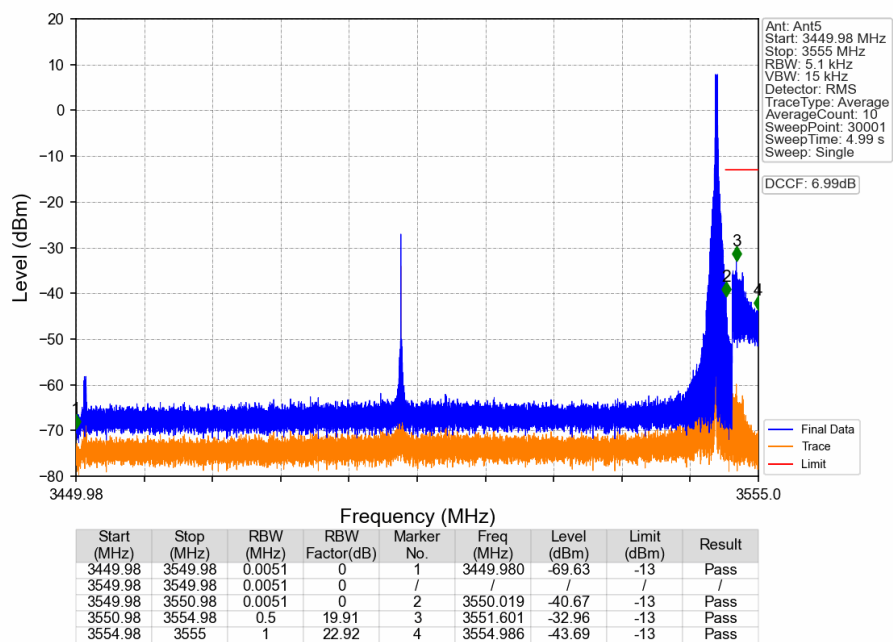
n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Edge 1RB Right



n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Outer Full



n78e 30kHz SISO NTN 100MHz CP-OFDM QPSK 3499.98MHz Inner 1RB Right

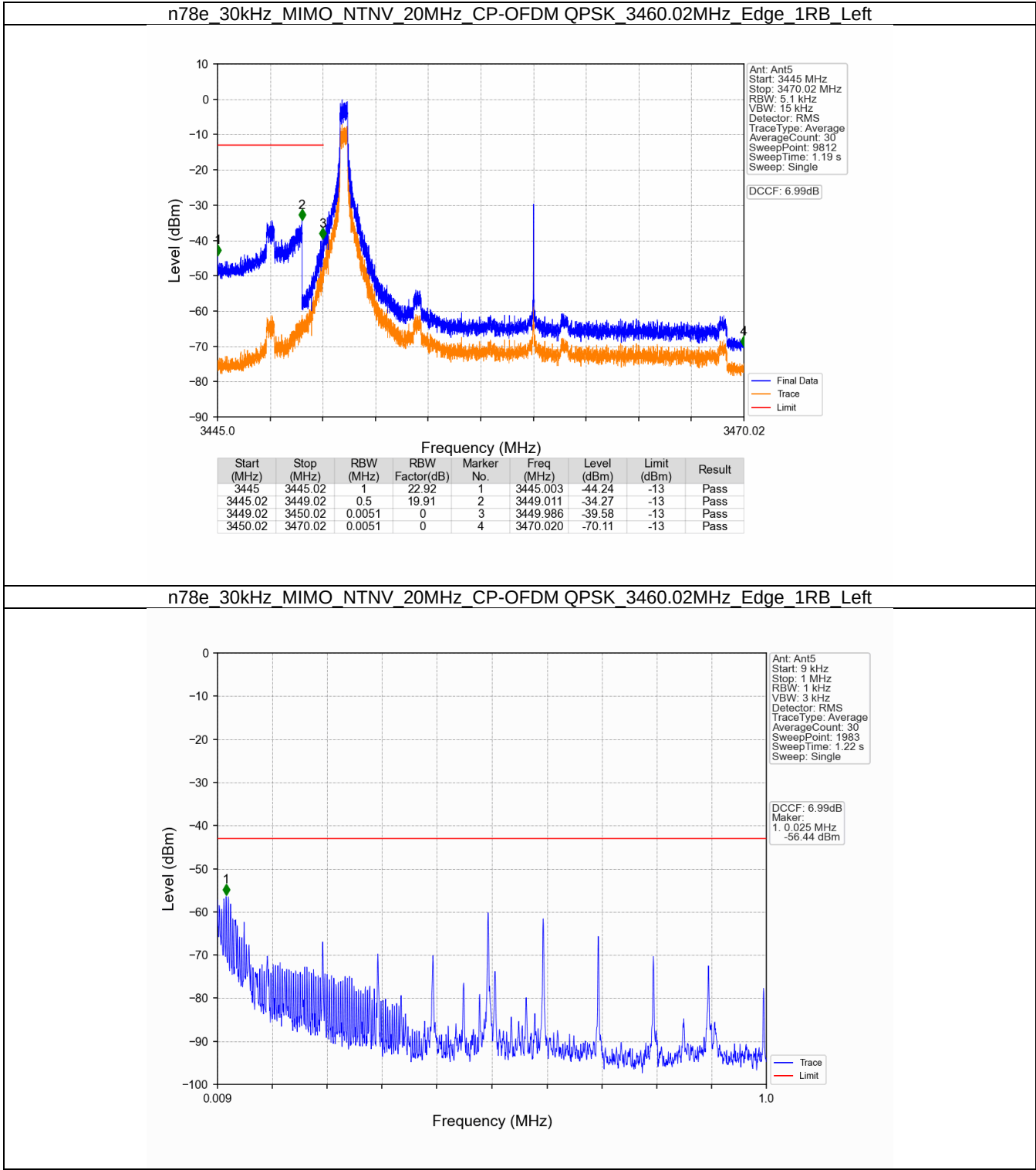


1.10 30k_MIMO_20MHz_NTNV

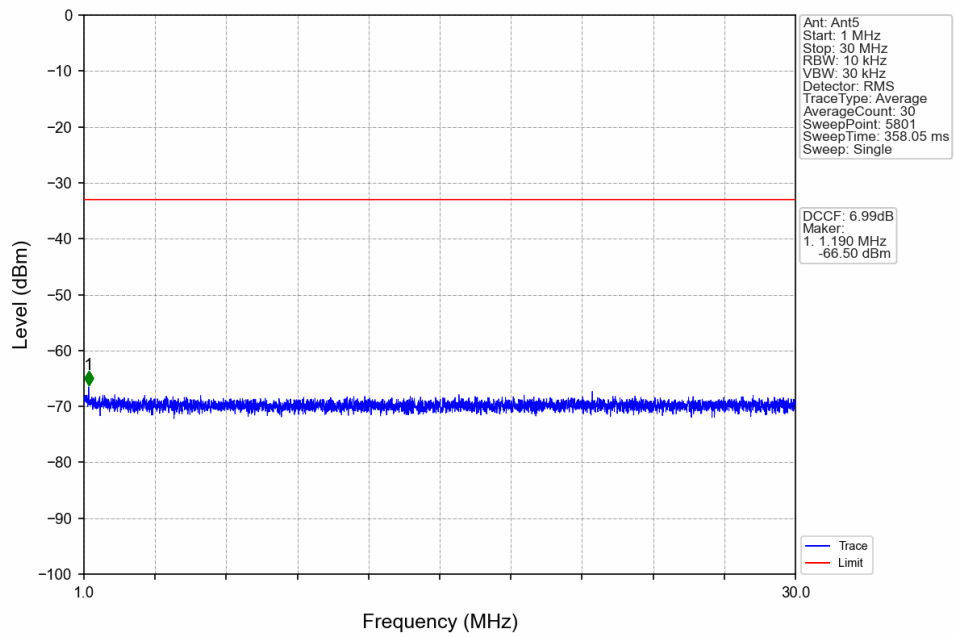
1.10.1 Test Result

5G NR n78e SCS=30kHz MIMO 20MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3460.02	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
	3540	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

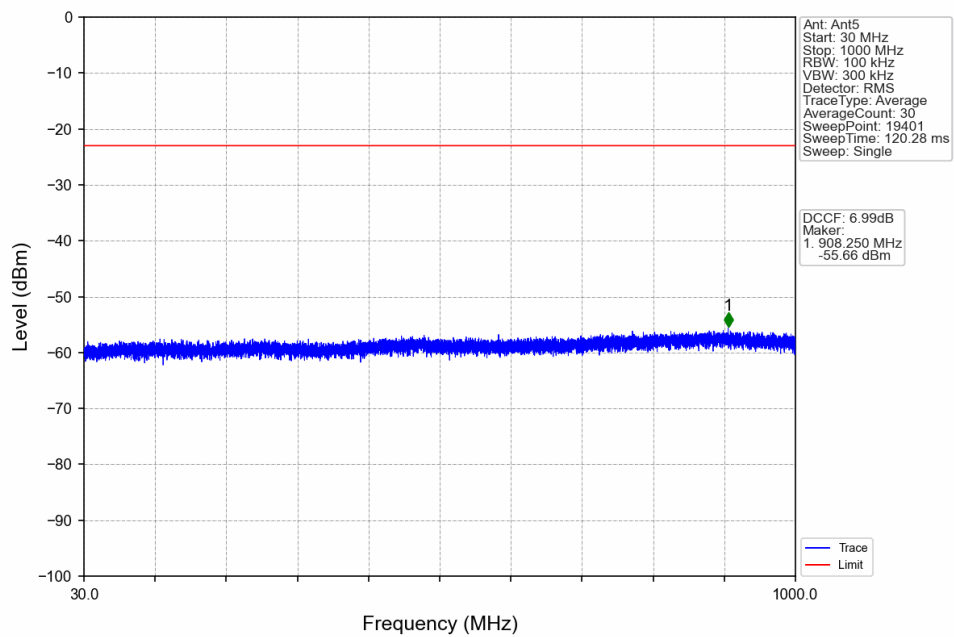
1.10.2 Test Graph



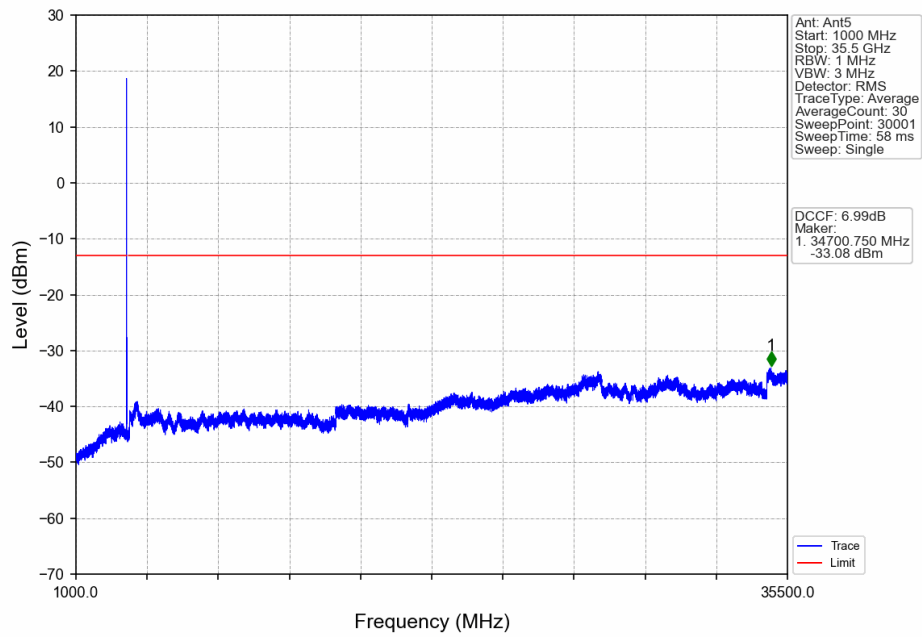
n78e 30kHz MIMO NTNv 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



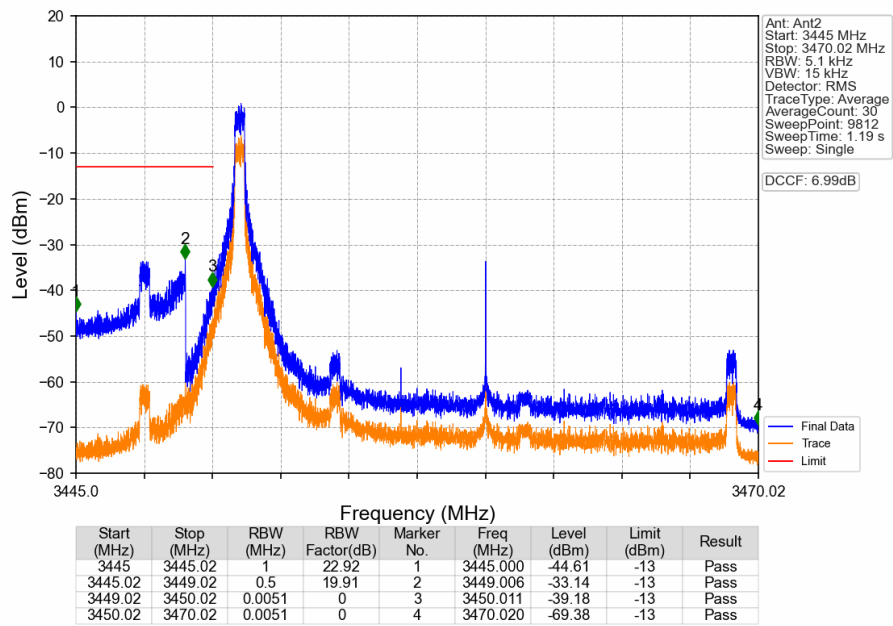
n78e 30kHz MIMO NTNv 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



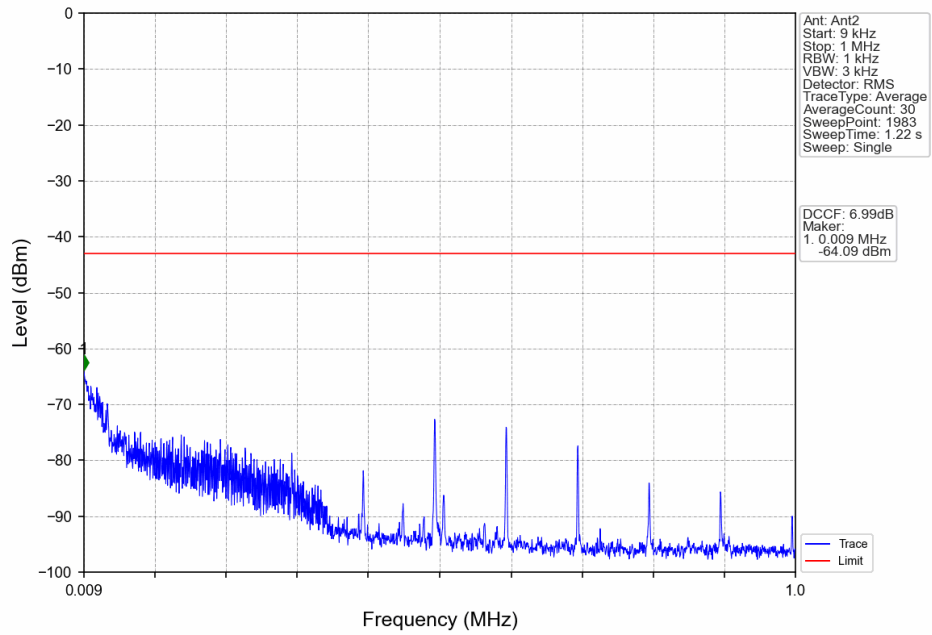
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



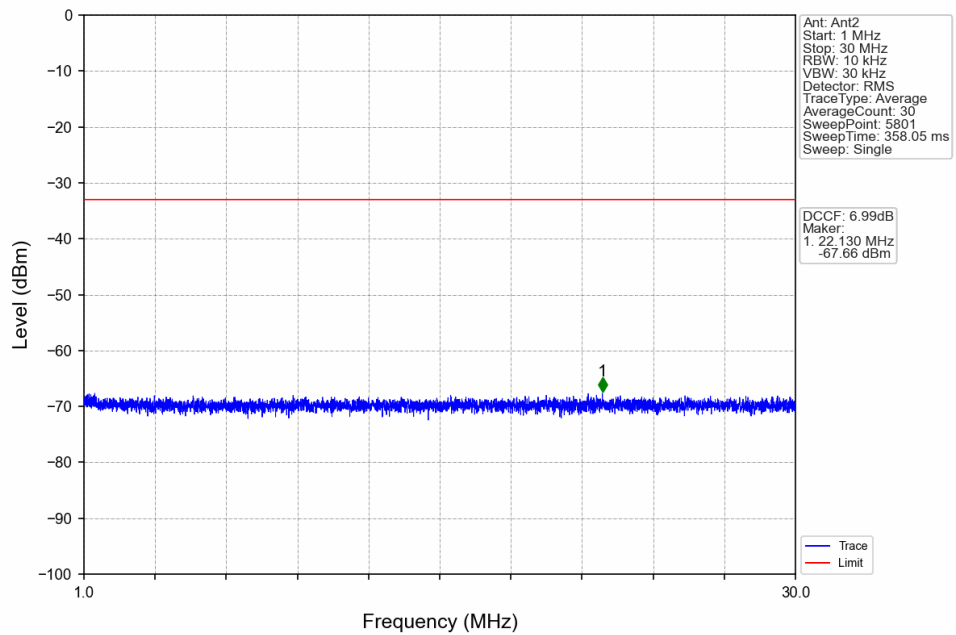
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



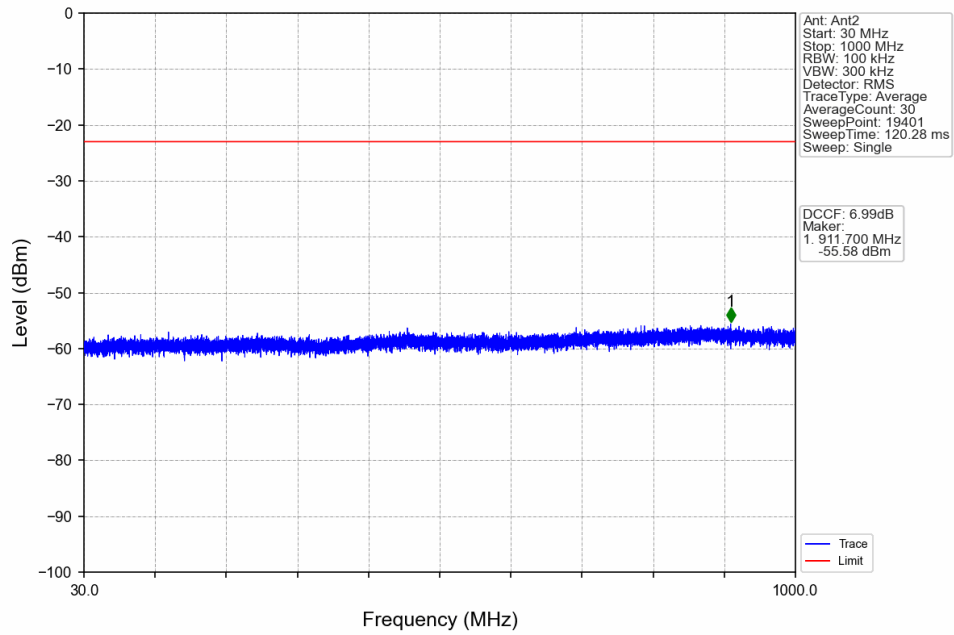
n78e 30kHz MIMO NTNv 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



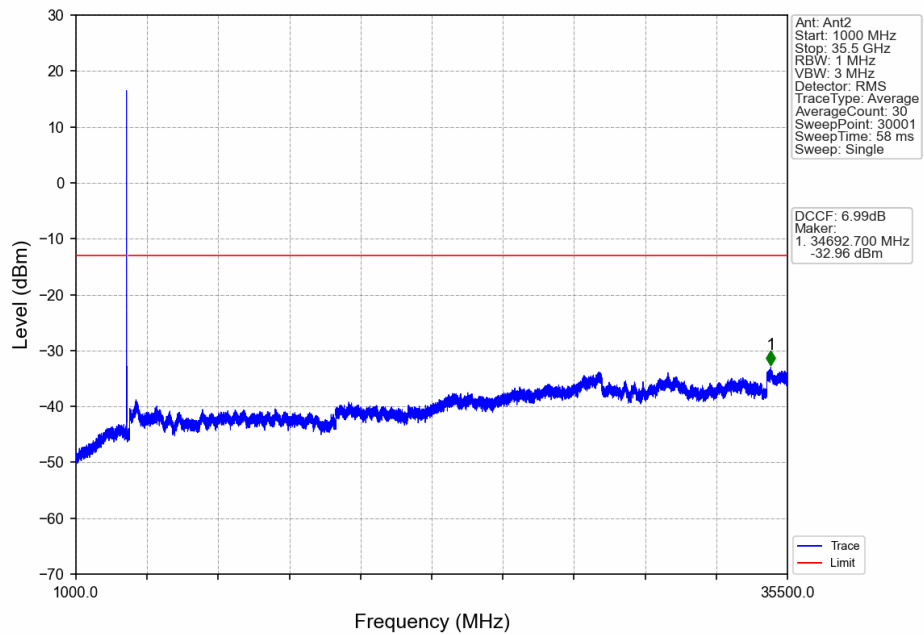
n78e 30kHz MIMO NTNv 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



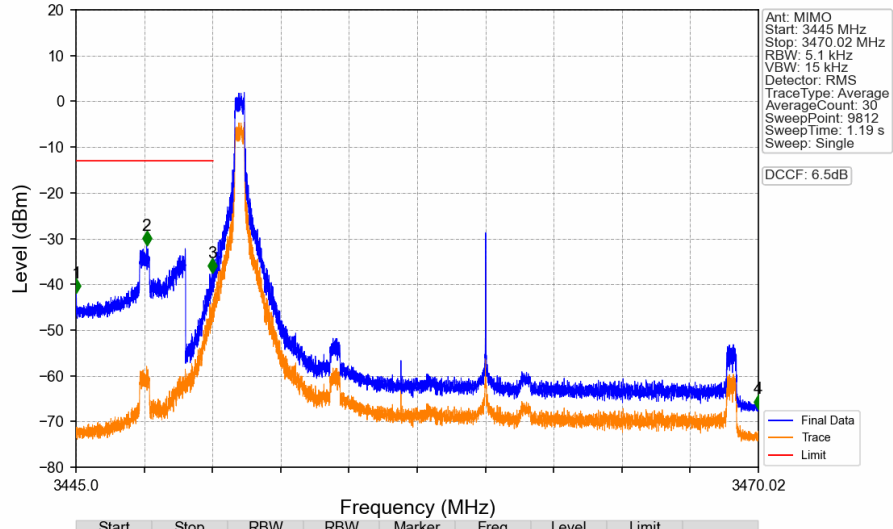
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



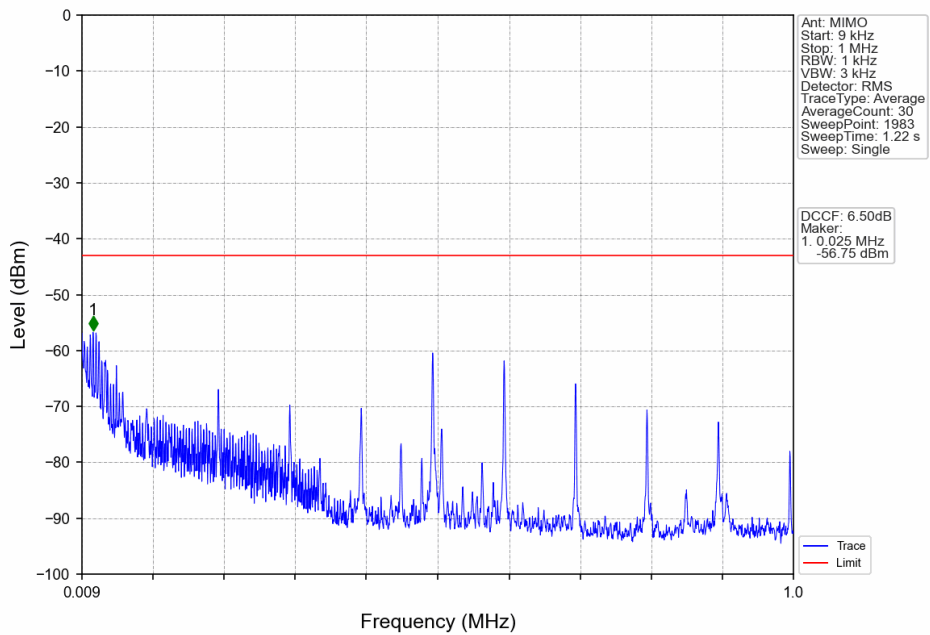
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



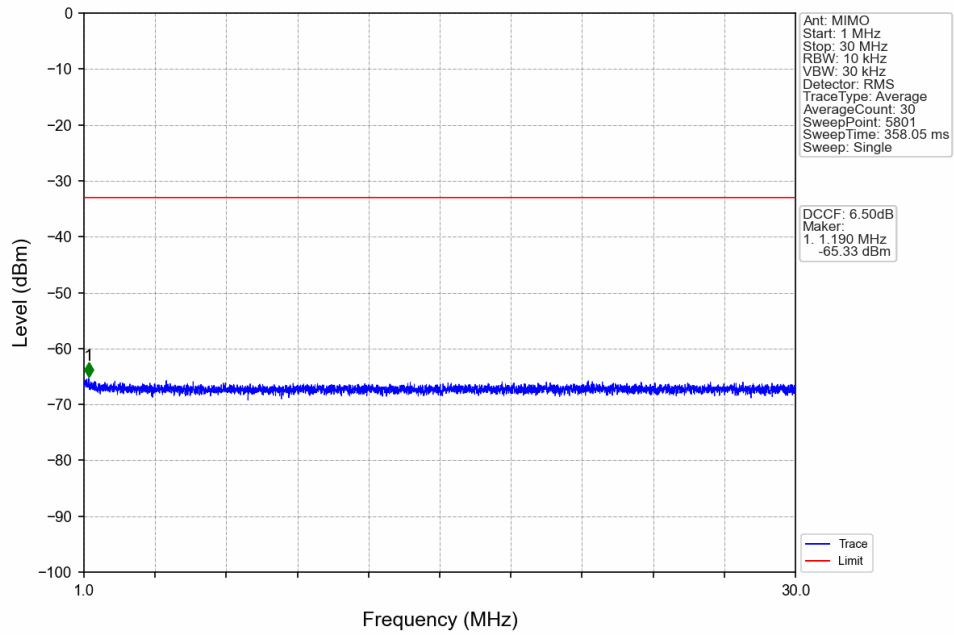
n78e 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



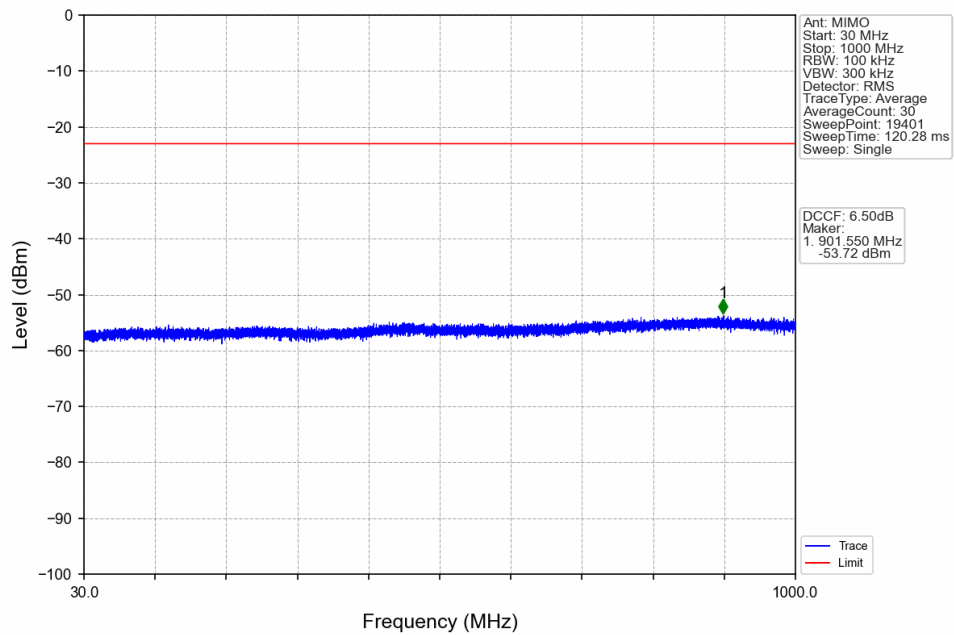
n78e 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



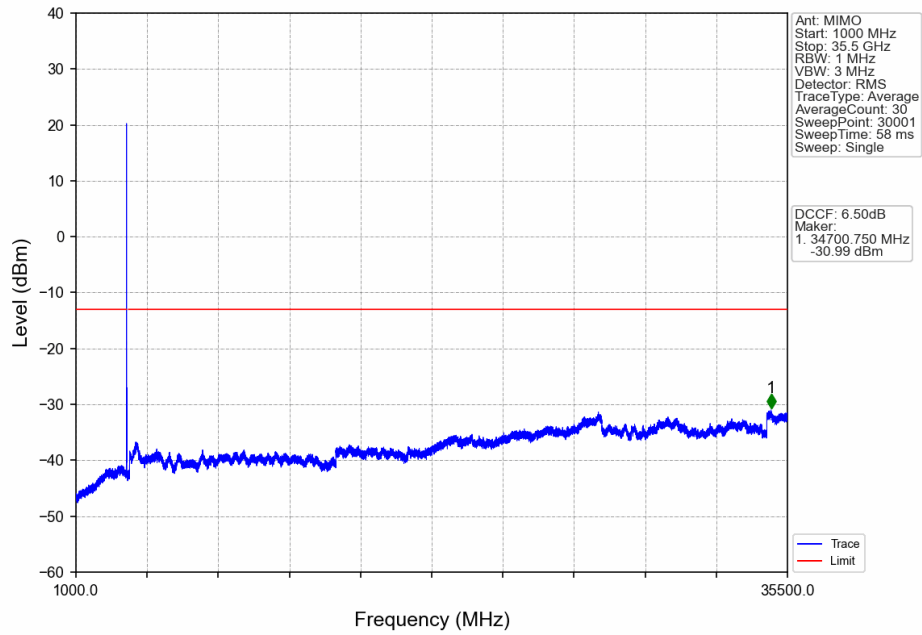
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



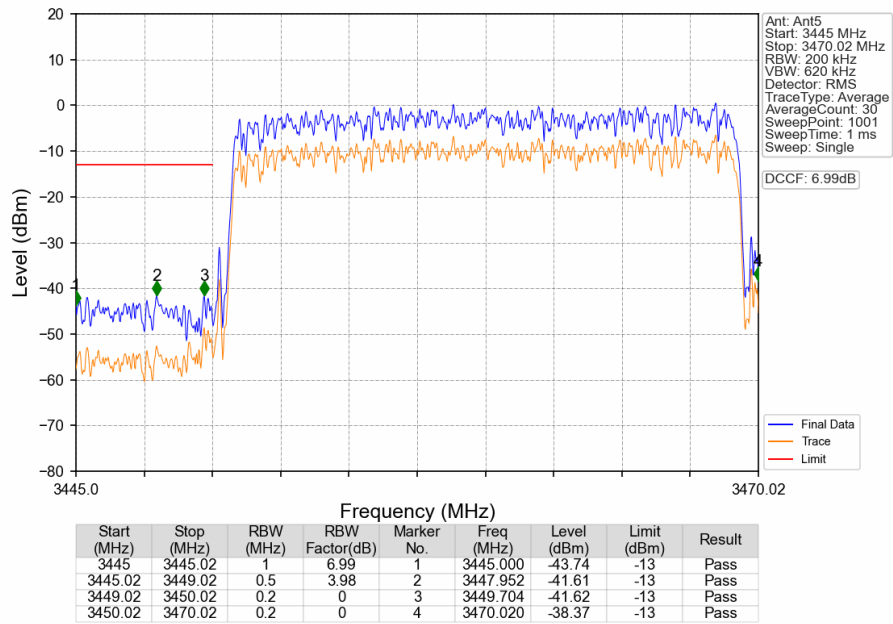
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



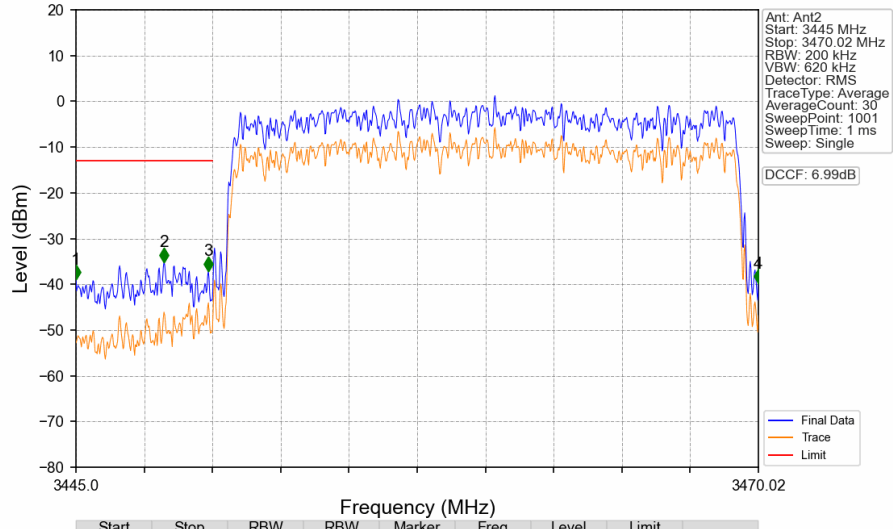
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Edge 1RB Left



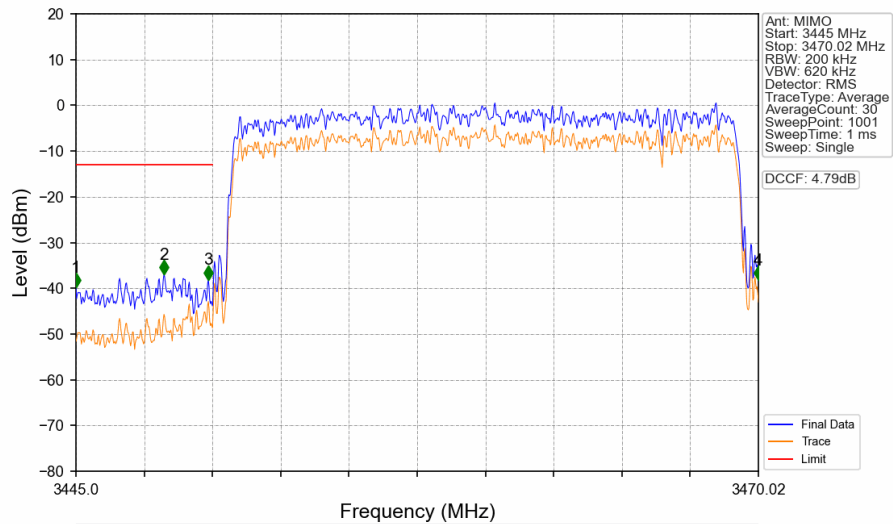
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Outer Full



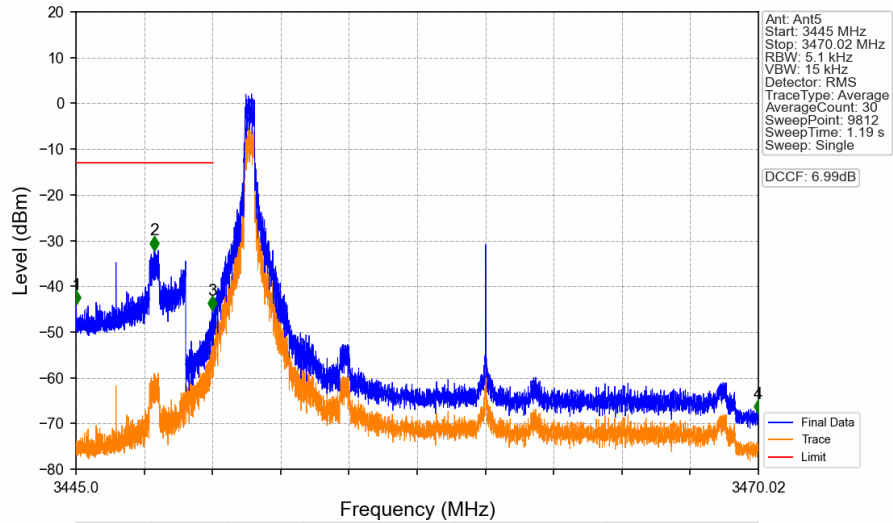
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Outer Full



n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Outer Full

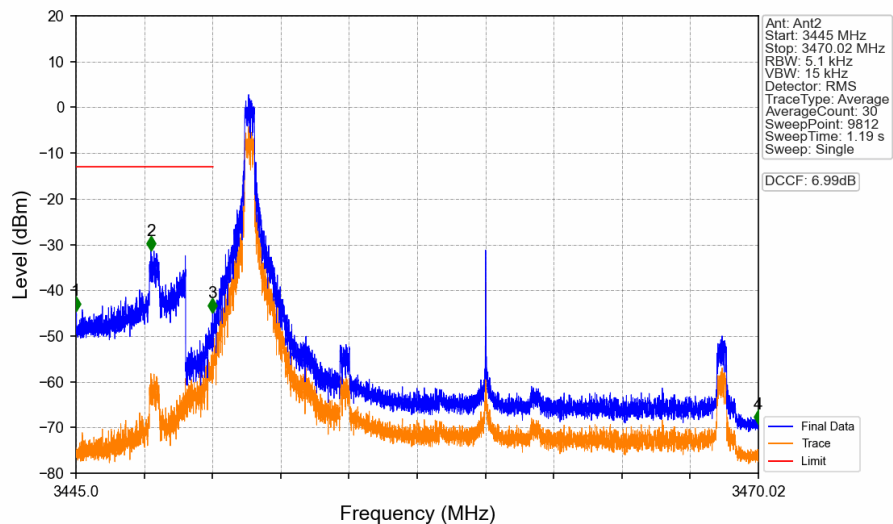


n78e 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3460.02MHz Inner 1RB Left



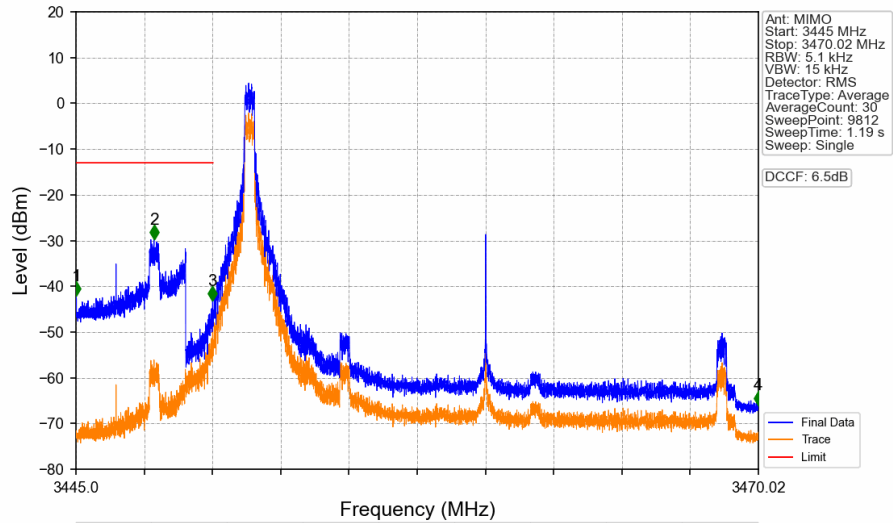
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	22.92	1	3445.003	-43.97	-13	Pass
3445.02	3449.02	0.5	19.91	2	3447.864	-32.11	-13	Pass
3449.02	3450.02	0.0051	0	3	3450.006	-45.23	-13	Pass
3450.02	3470.02	0.0051	0	4	3470.020	-67.88	-13	Pass

n78e 30kHz MIMO NTNV 20MHz CP-OFDM QPSK 3460.02MHz Inner 1RB Left



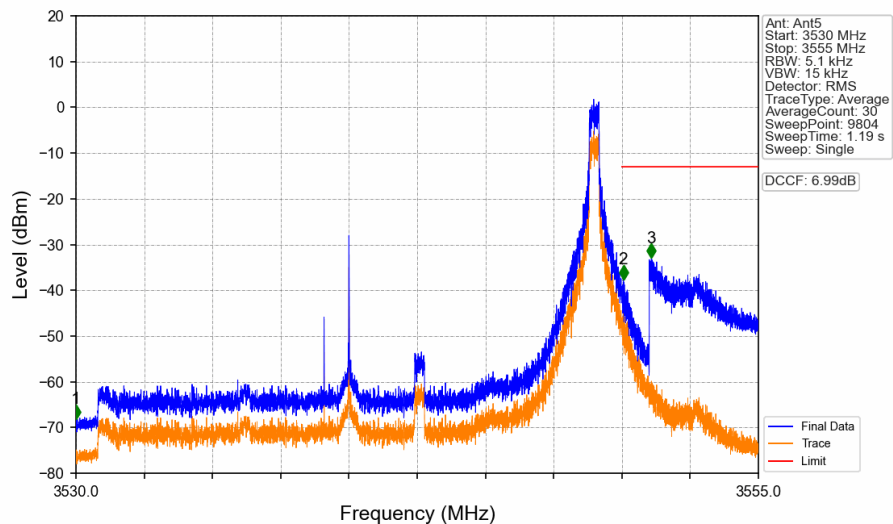
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	22.92	1	3445.000	-44.47	-13	Pass
3445.02	3449.02	0.5	19.91	2	3447.747	-31.31	-13	Pass
3449.02	3450.02	0.0051	0	3	3450.009	-44.96	-13	Pass
3450.02	3470.02	0.0051	0	4	3470.020	-69.27	-13	Pass

n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3460.02MHz Inner 1RB Left



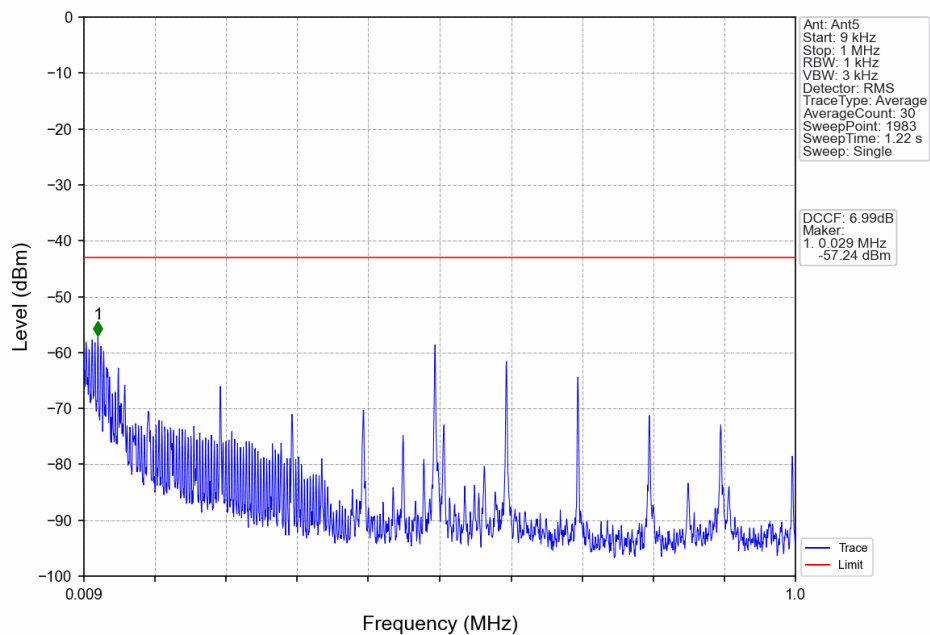
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	22.92	1	3445.003	-42.10	-13	Pass
3445.02	3449.02	0.5	19.91	2	3447.861	-29.69	-13	Pass
3449.02	3450.02	0.0051	0	3	3450.009	-43.12	-13	Pass
3450.02	3470.02	0.0051	0	4	3470.020	-66.00	-13	Pass

n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right

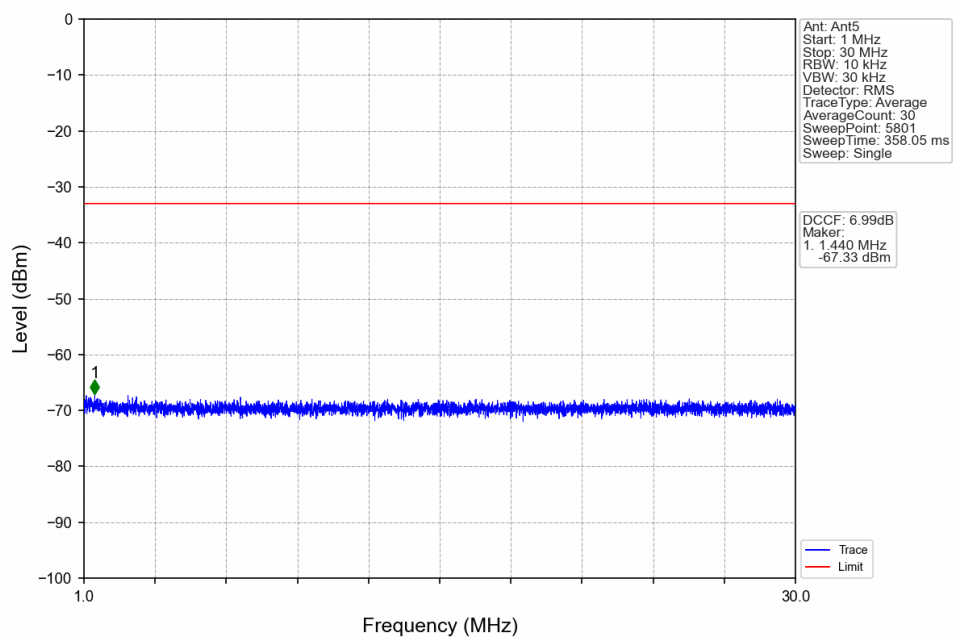


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.0051	0	1	3530.000	-68.11	-13	Pass
3550	3550	0.0051	0	/	/	/	/	/
3550	3551	0.0051	0	2	3550.055	-37.58	-13	Pass
3551	3555	0.5	19.91	3	3551.080	-32.97	-13	Pass

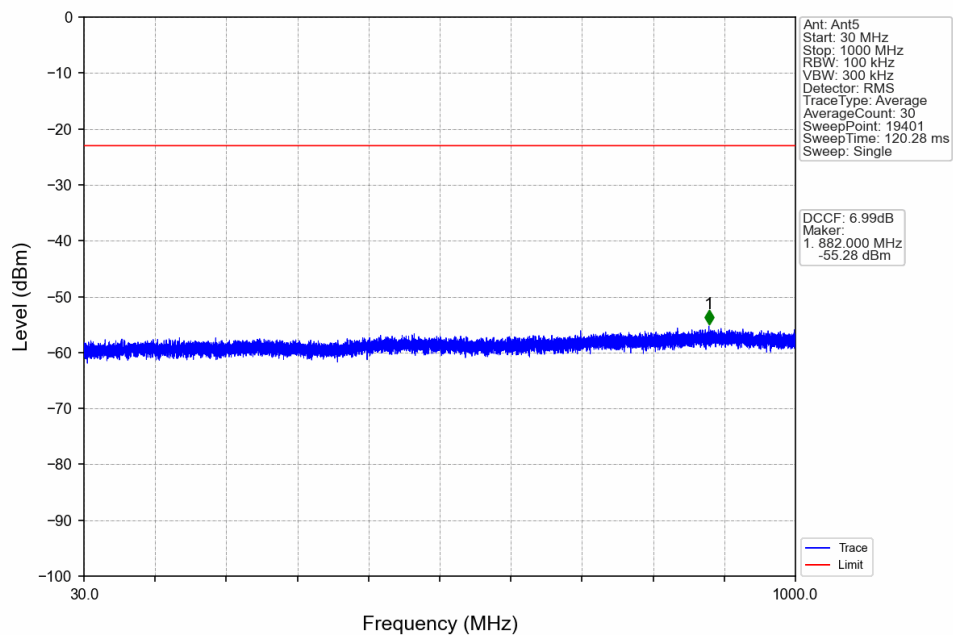
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right



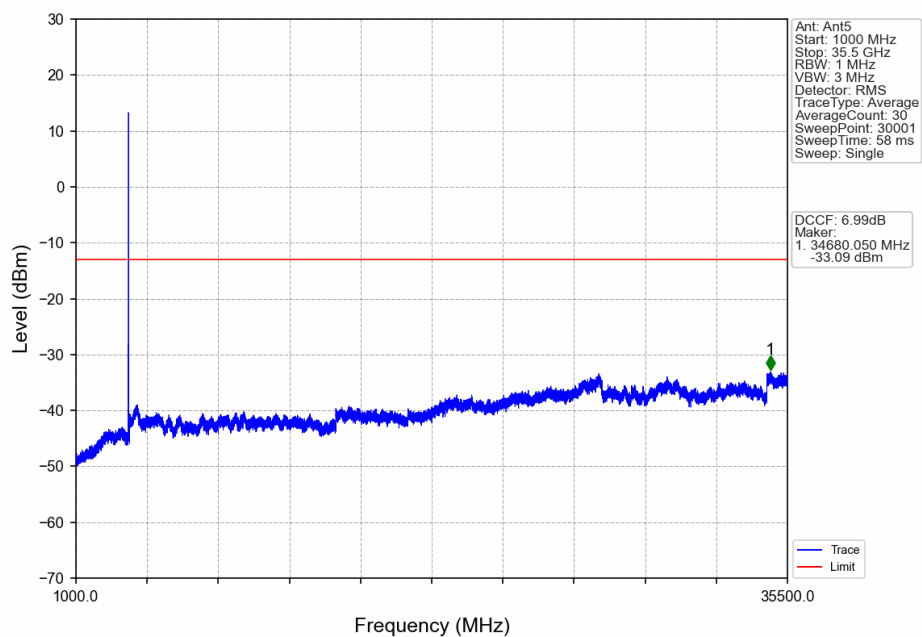
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right



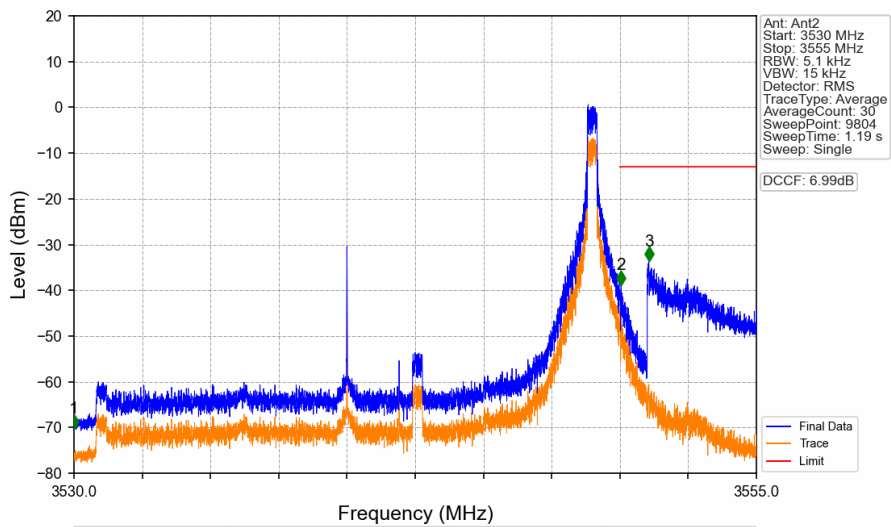
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right



n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right

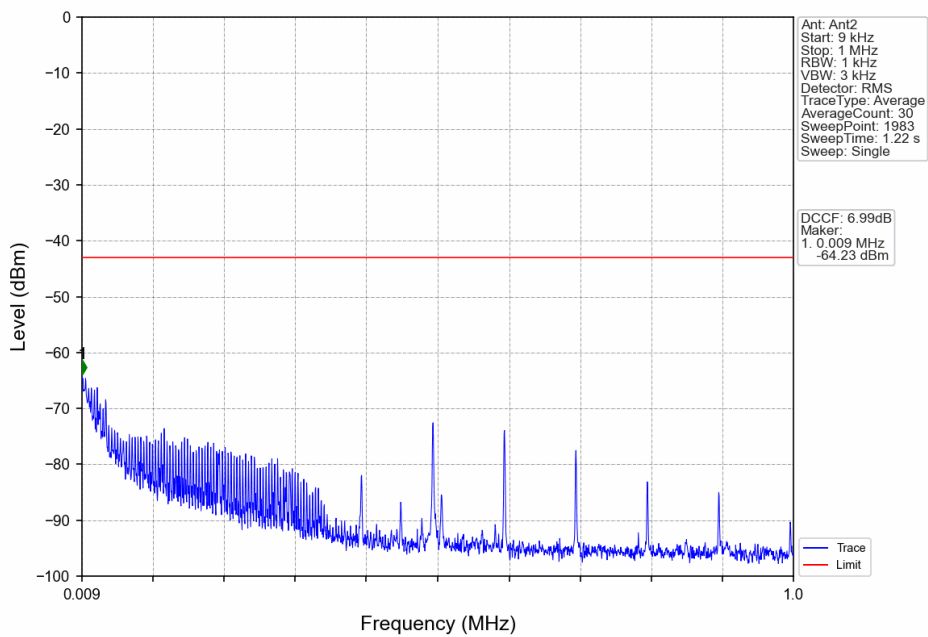


n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right

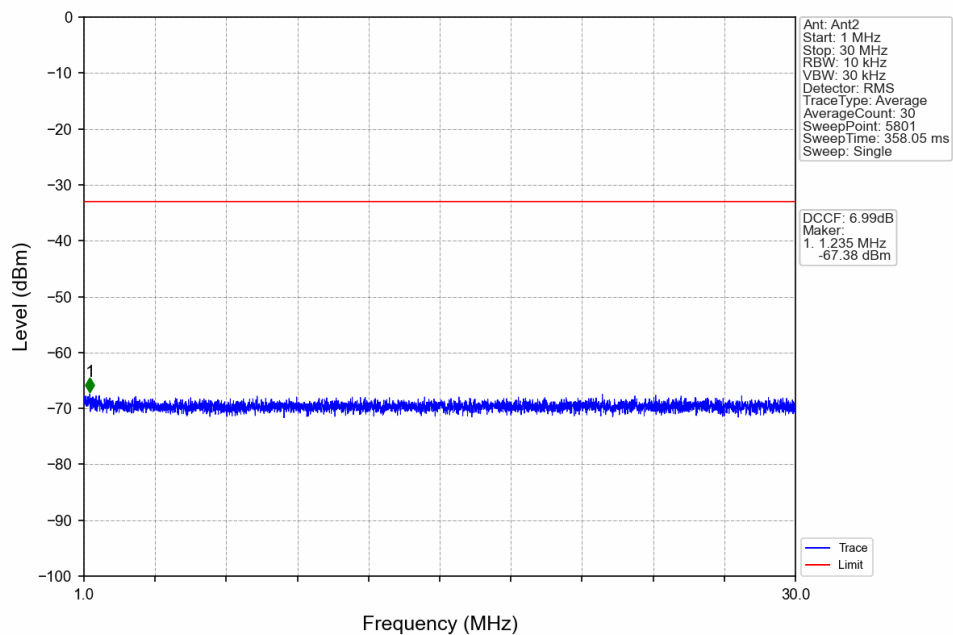


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.0051	0	1	3530.000	-70.23	-13	Pass
3550	3550	0.0051	0	/	/	/	/	/
3550	3551	0.0051	0	2	3550.045	-38.84	-13	Pass
3551	3555	0.5	19.91	3	3551.060	-33.66	-13	Pass

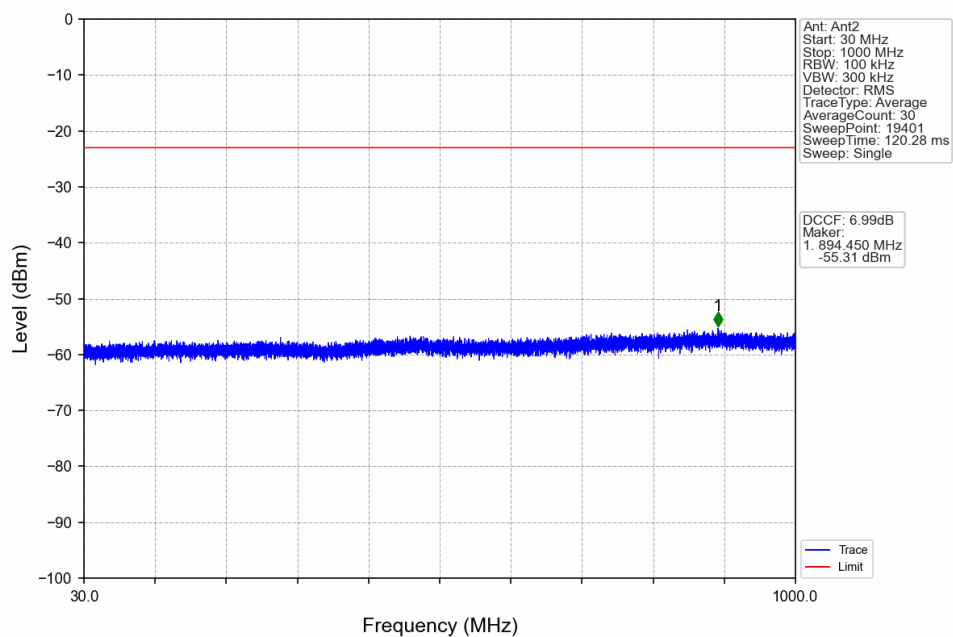
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right



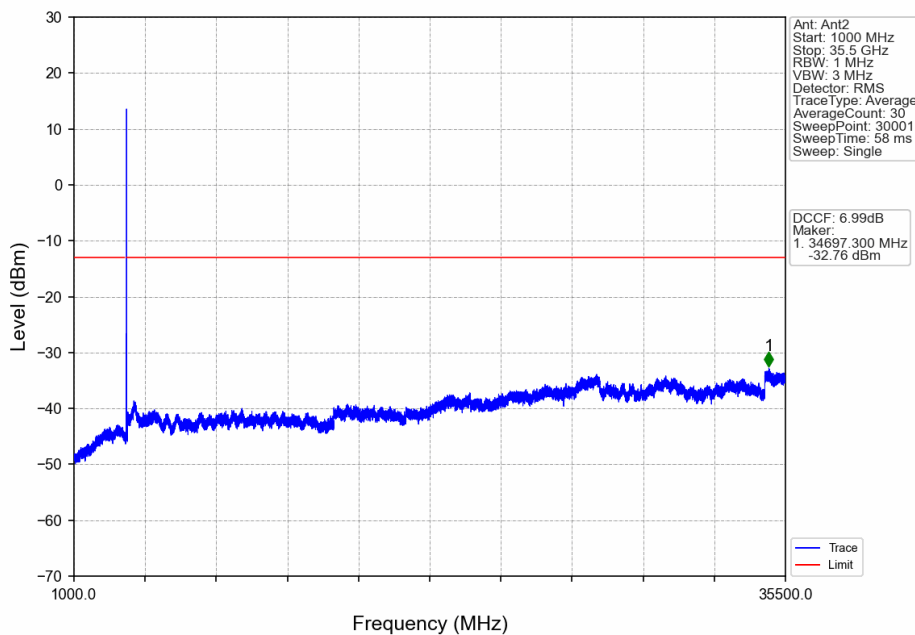
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right



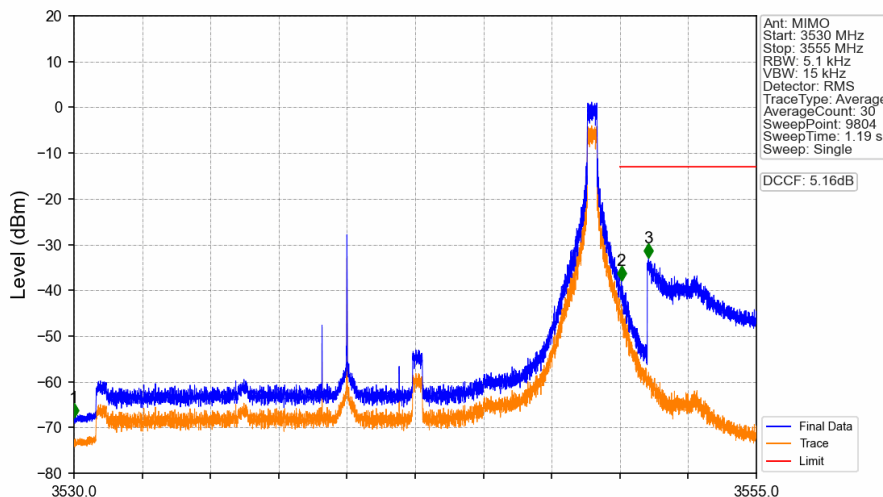
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right



n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right

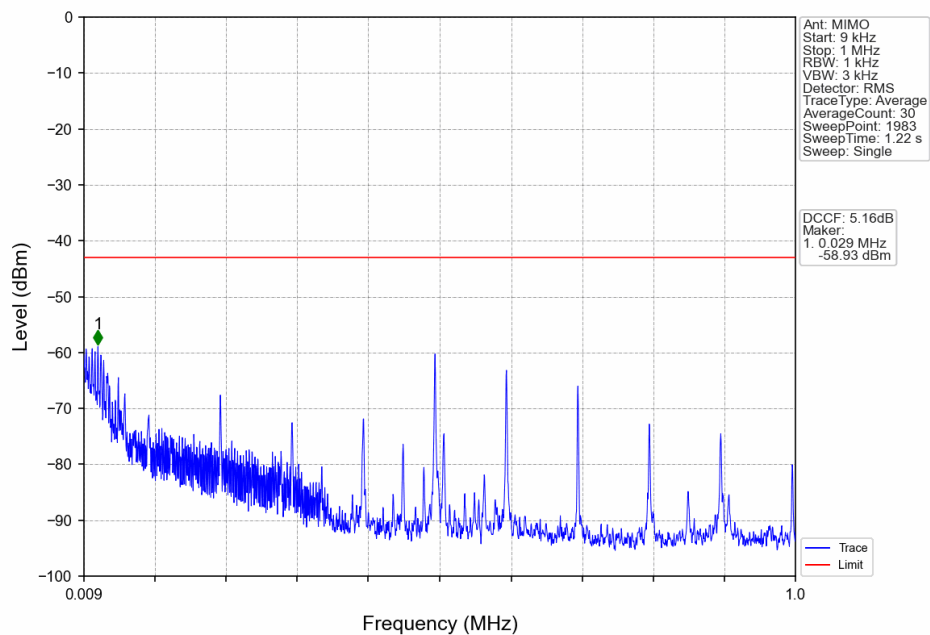


n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right

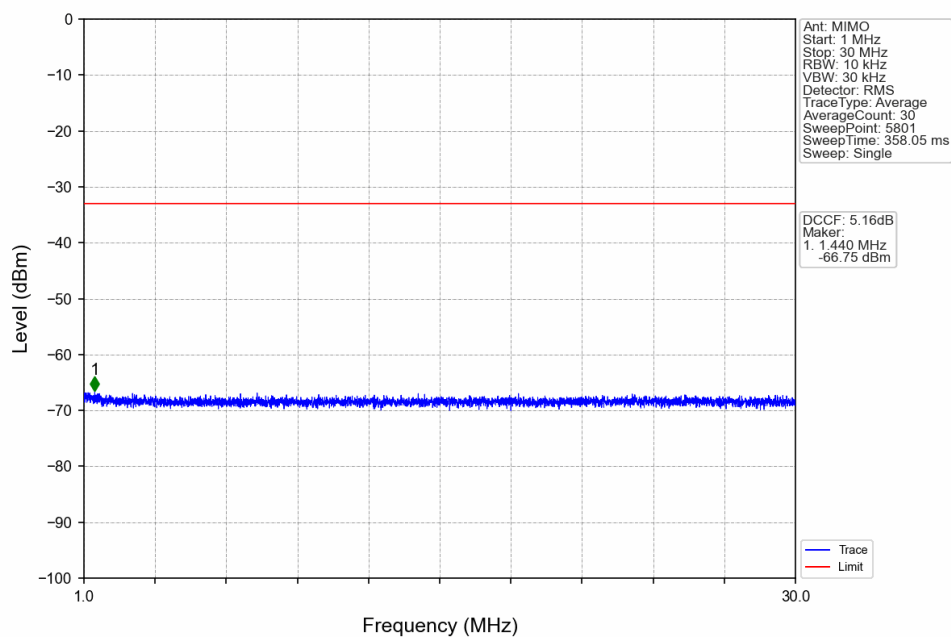


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.0051	0	1	3530.000	-67.86	-13	Pass
3550	3550	0.0051	0	/	/	/	/	/
3550	3551	0.0051	0	2	3550.055	-37.91	-13	Pass
3551	3555	0.5	19.91	3	3551.050	-32.86	-13	Pass

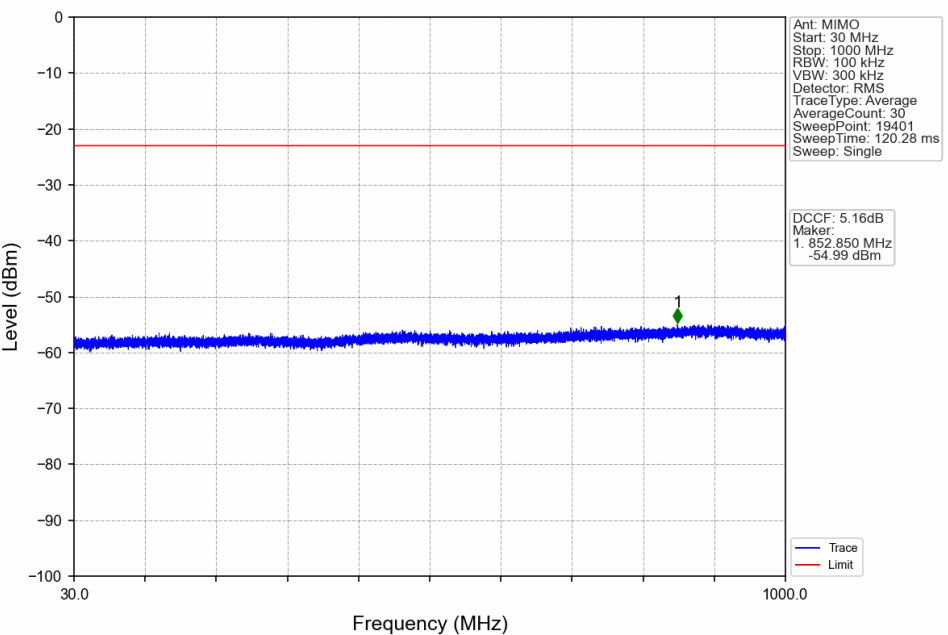
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right



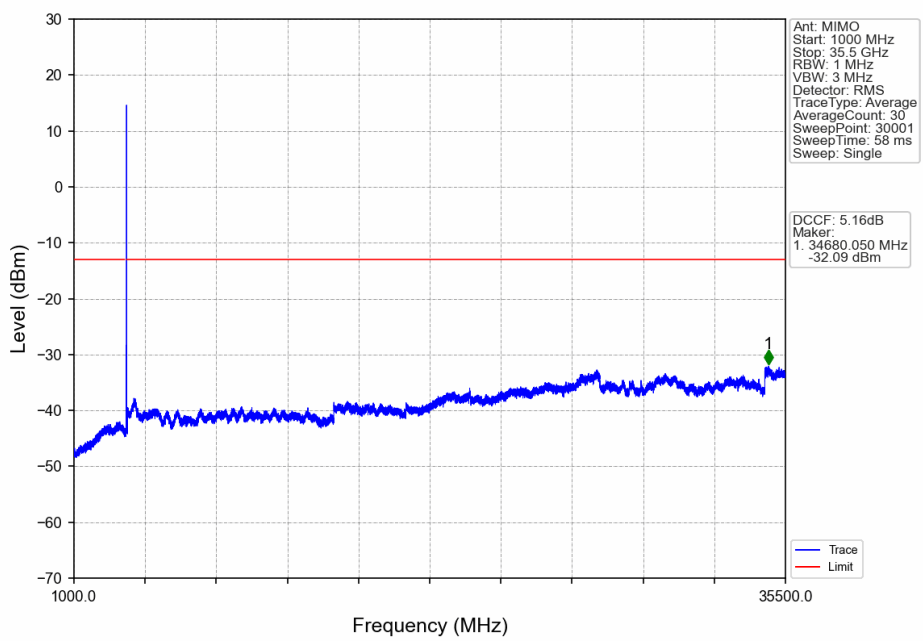
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right



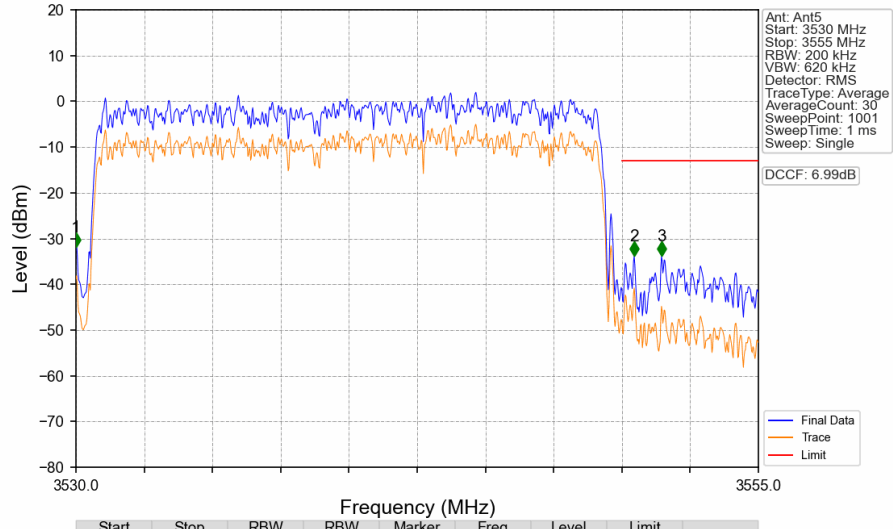
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right



n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Edge 1RB Right

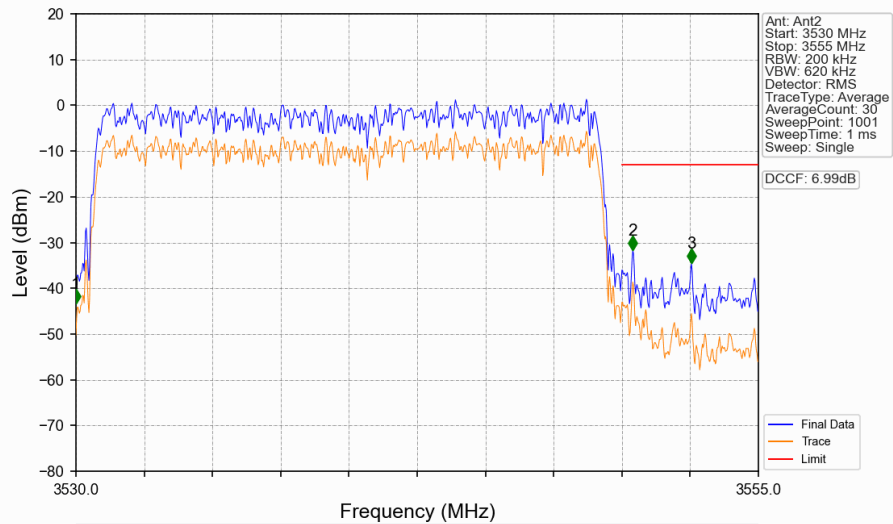


n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Outer Full



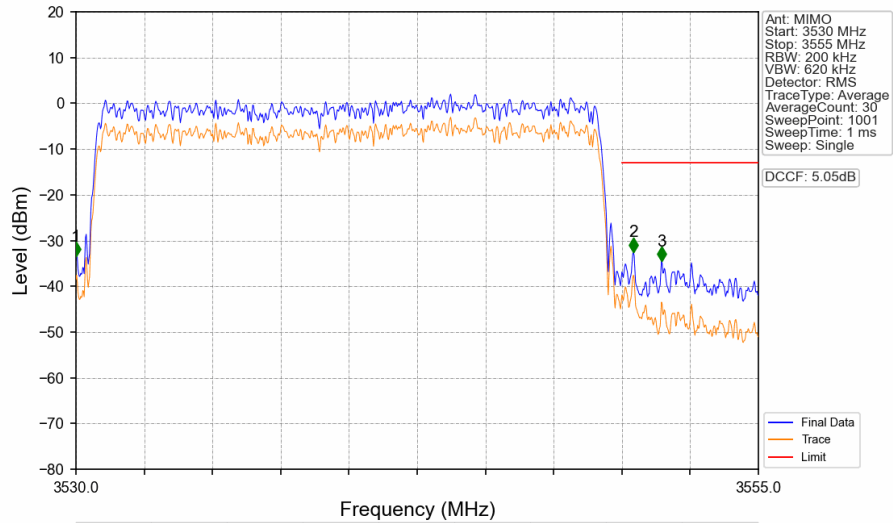
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.2	0	1	3530.000	-31.84	-13	Pass
3550	3550	0.2	0	/	/	/	/	/
3550	3551	0.2	0	2	3550.450	-33.82	-13	Pass
3551	3555	0.5	3.98	3	3551.450	-33.85	-13	Pass

n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Outer Full

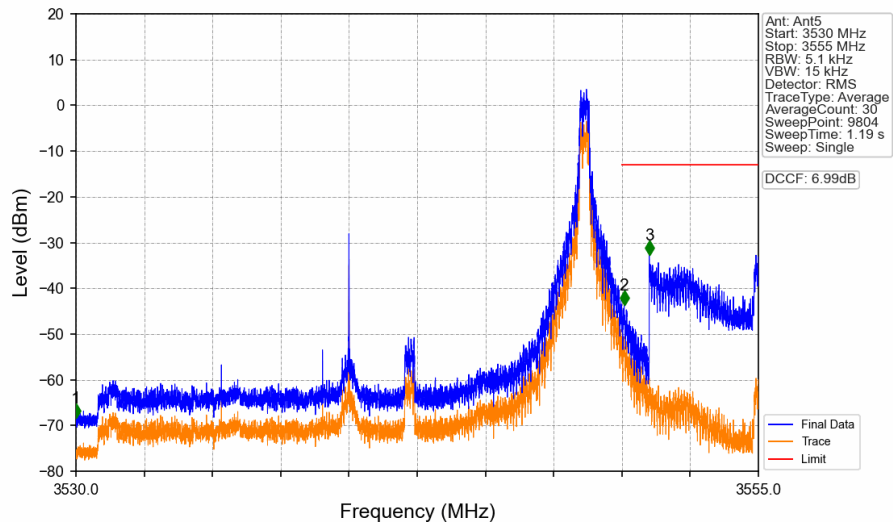


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.2	0	1	3530.000	-43.26	-13	Pass
3550	3550	0.2	0	/	/	/	/	/
3550	3551	0.2	0	2	3550.400	-31.66	-13	Pass
3551	3555	0.5	3.98	3	3552.550	-34.56	-13	Pass

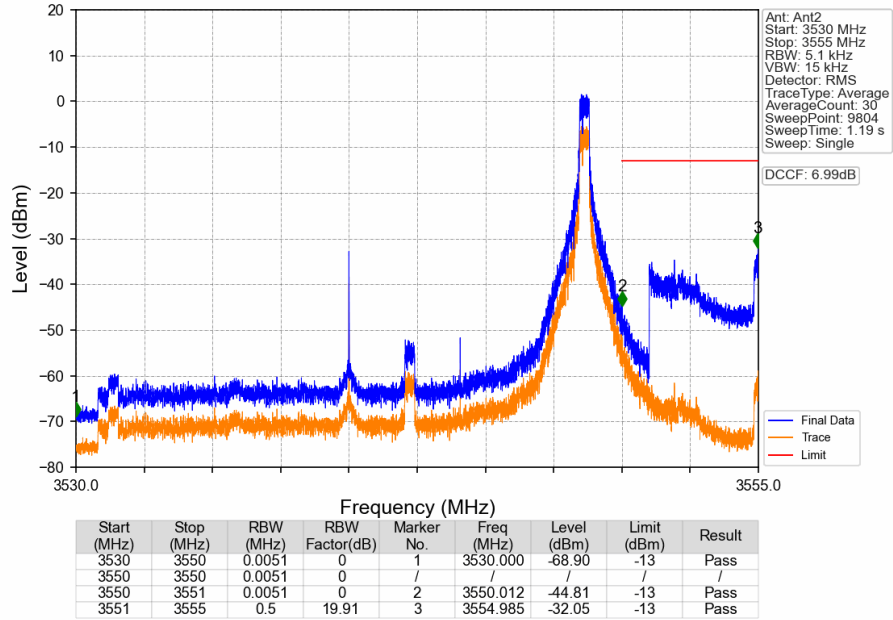
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Outer Full



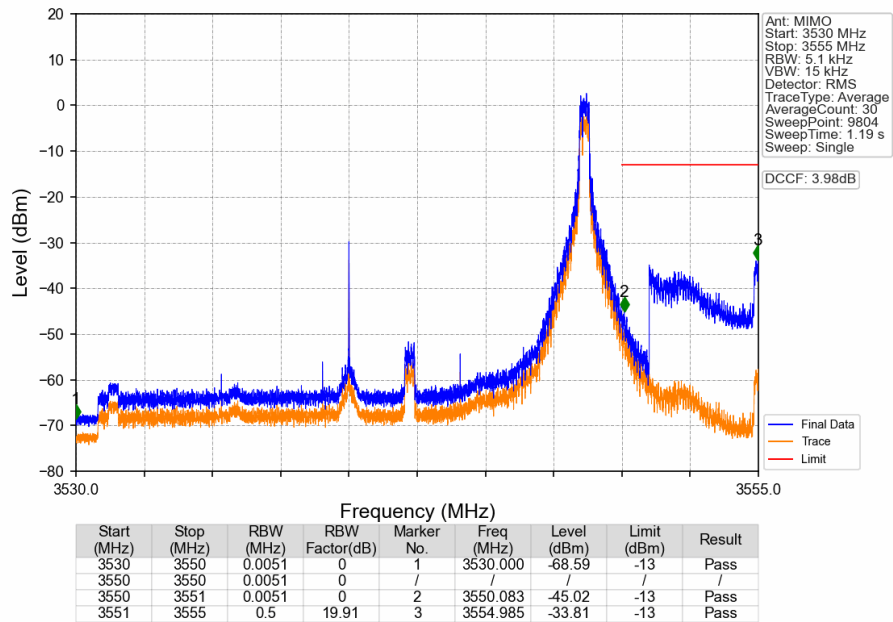
n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Inner 1RB Right



n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Inner 1RB Right



n78e 30kHz MIMO NTN 20MHz CP-OFDM QPSK 3540MHz Inner 1RB Right

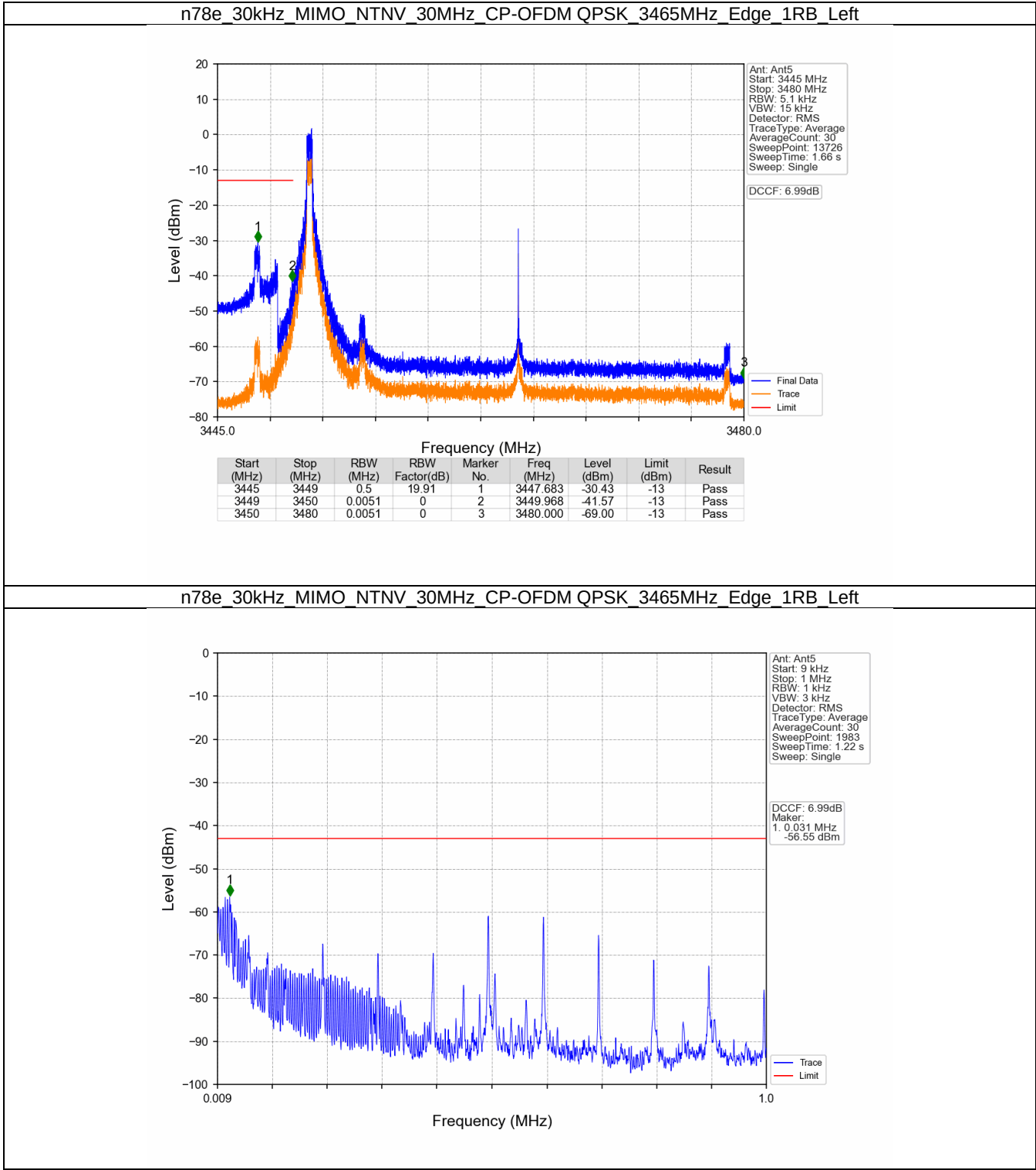


1.11 30k_MIMO_30MHz_NTNV

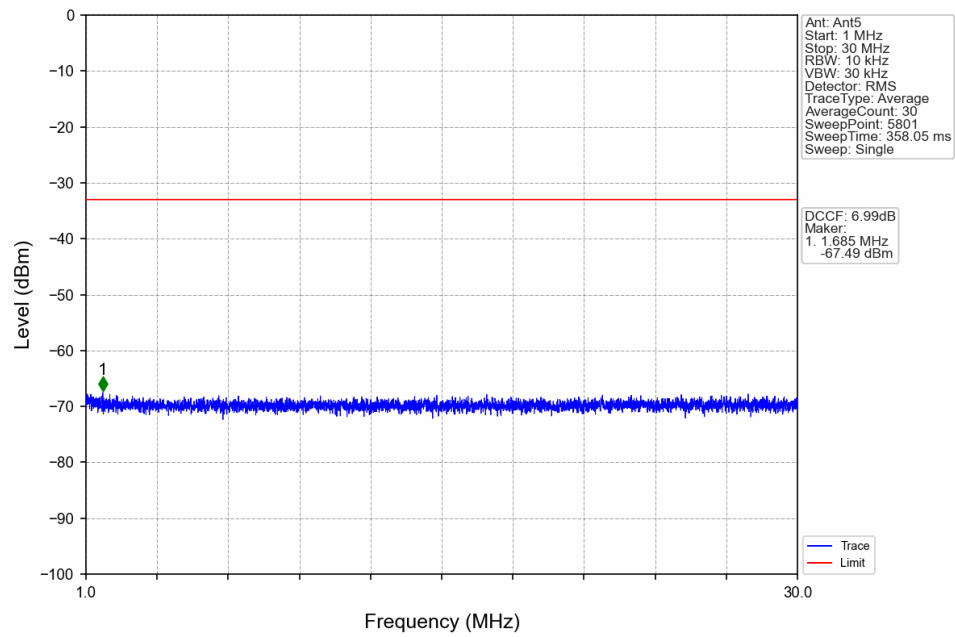
1.11.1 Test Result

5G NR n78e SCS=30kHz MIMO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3465	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
	3534.99	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

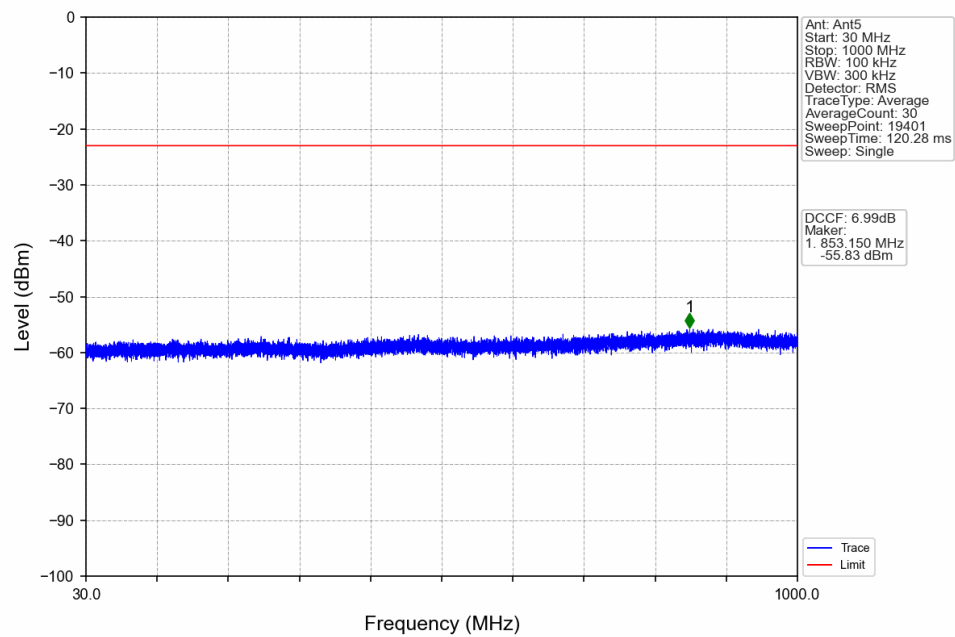
1.11.2 Test Graph



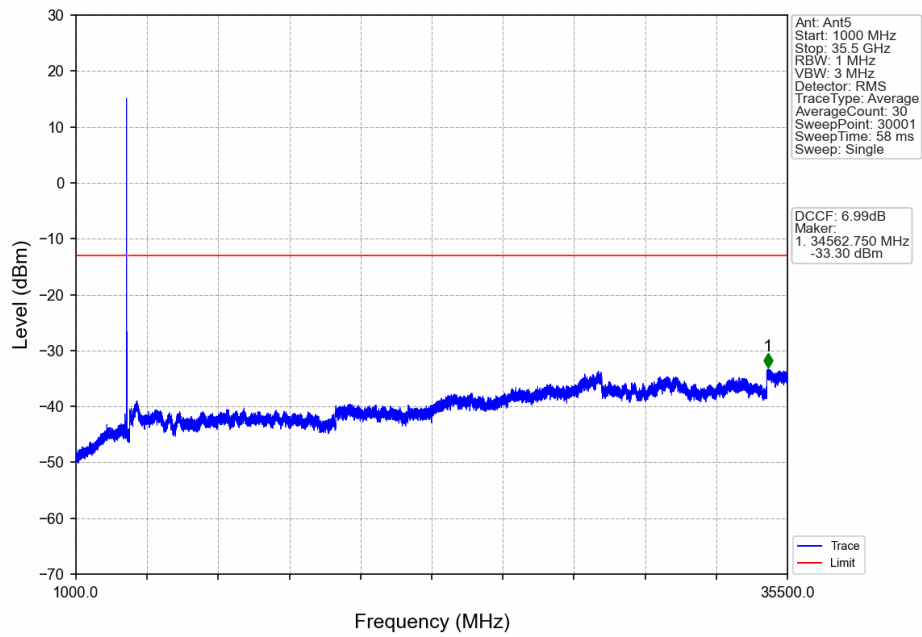
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



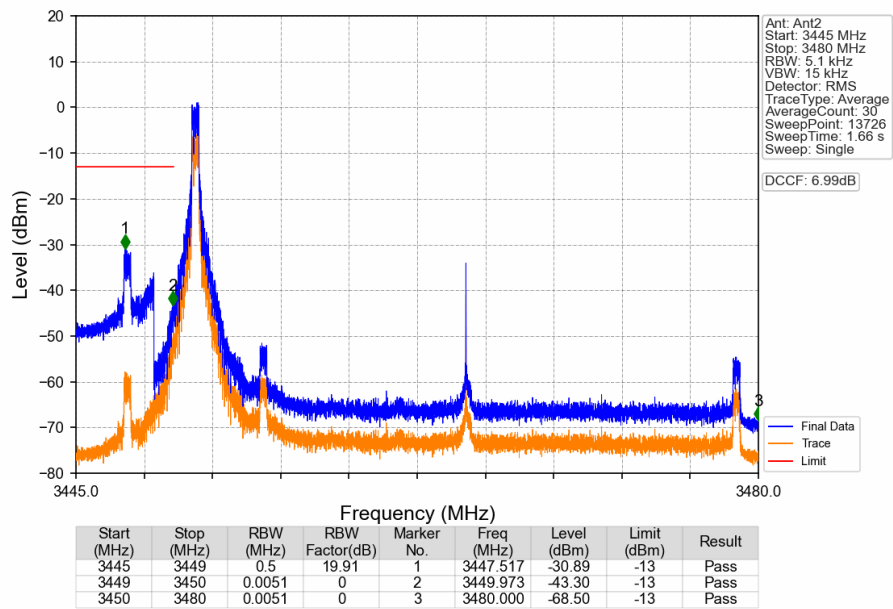
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



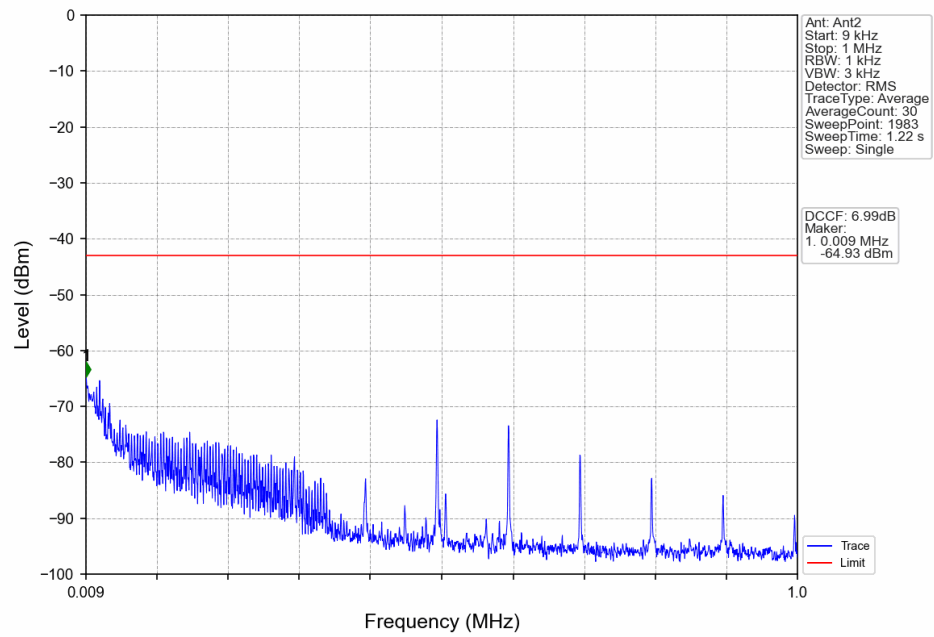
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



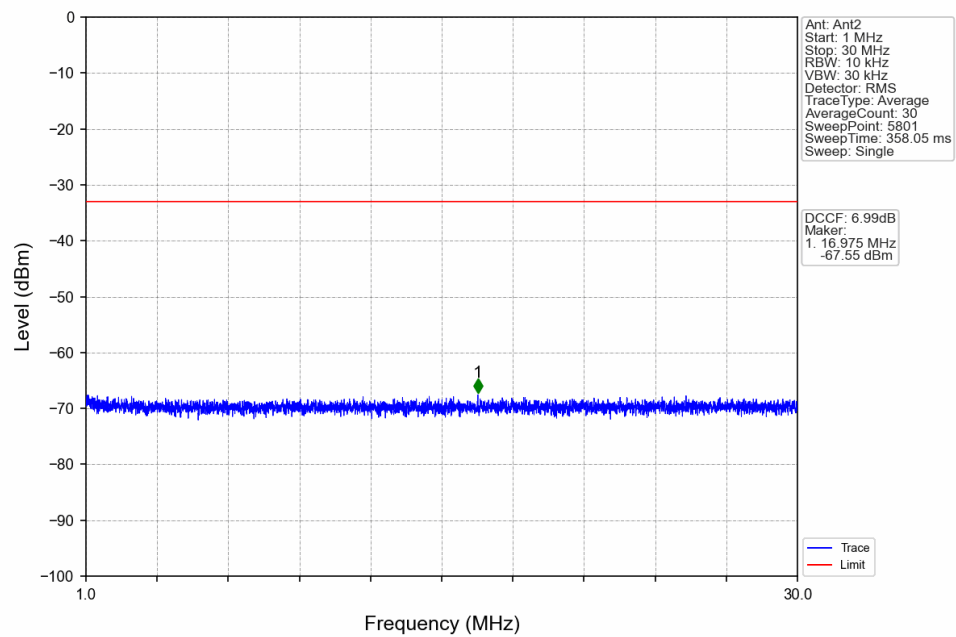
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



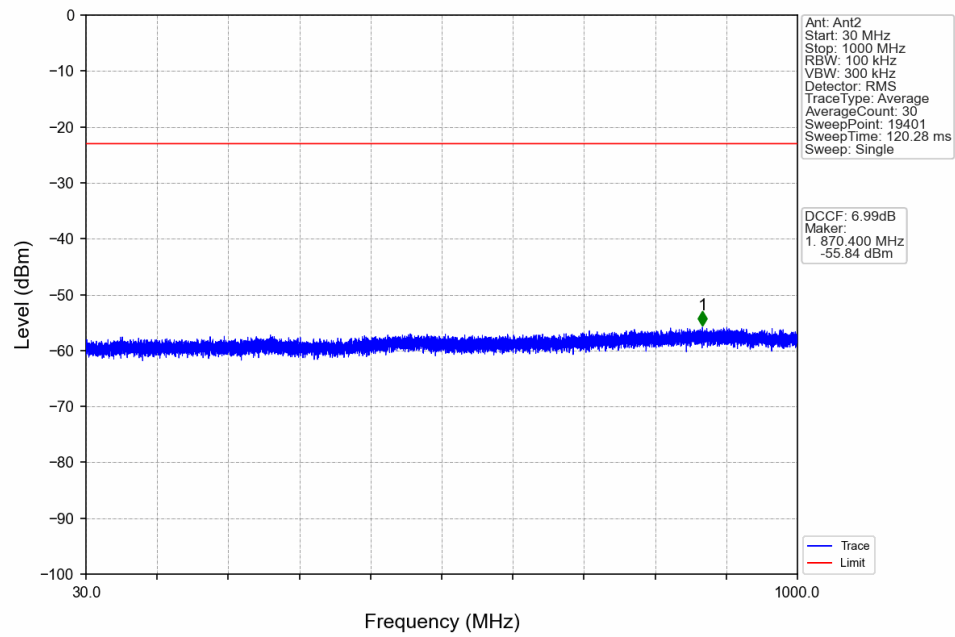
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



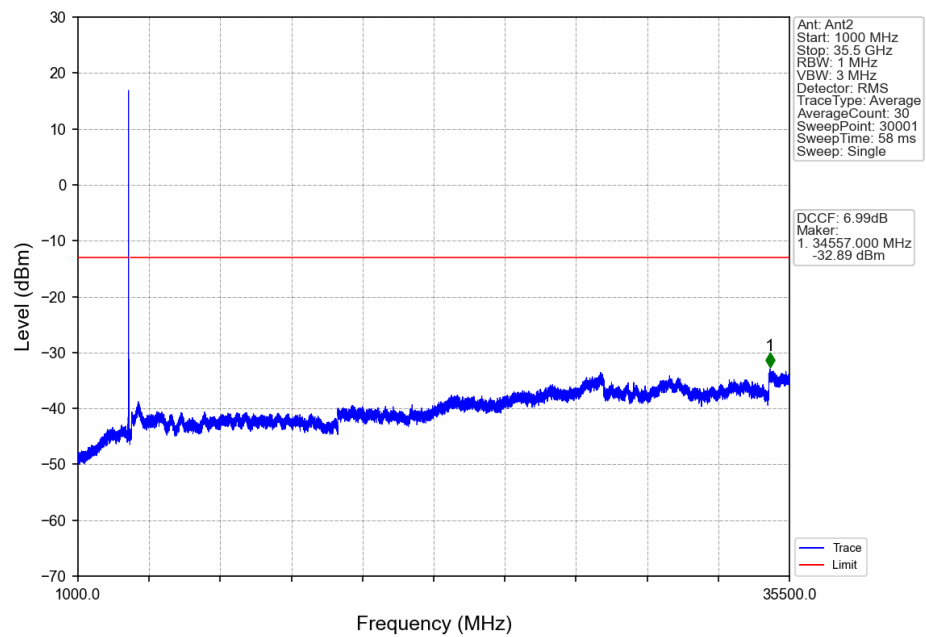
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



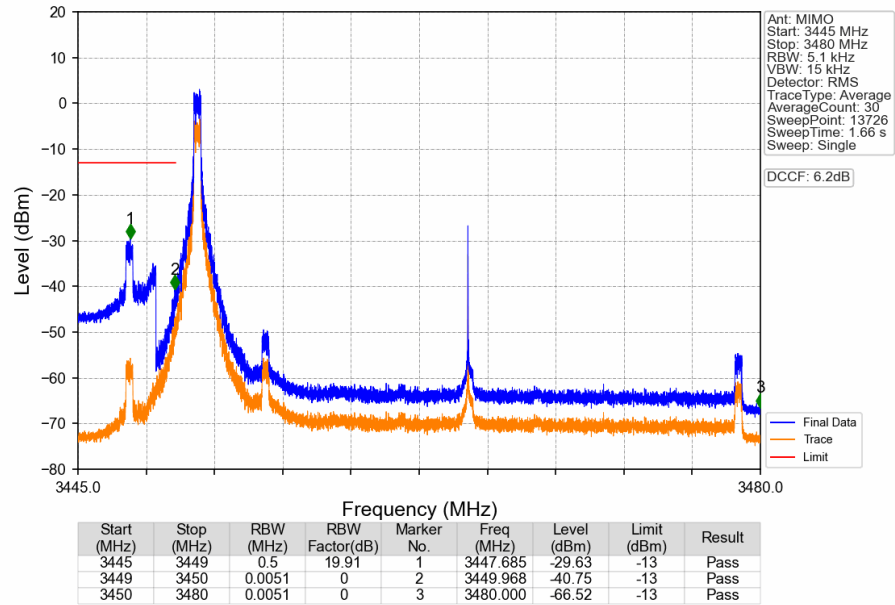
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



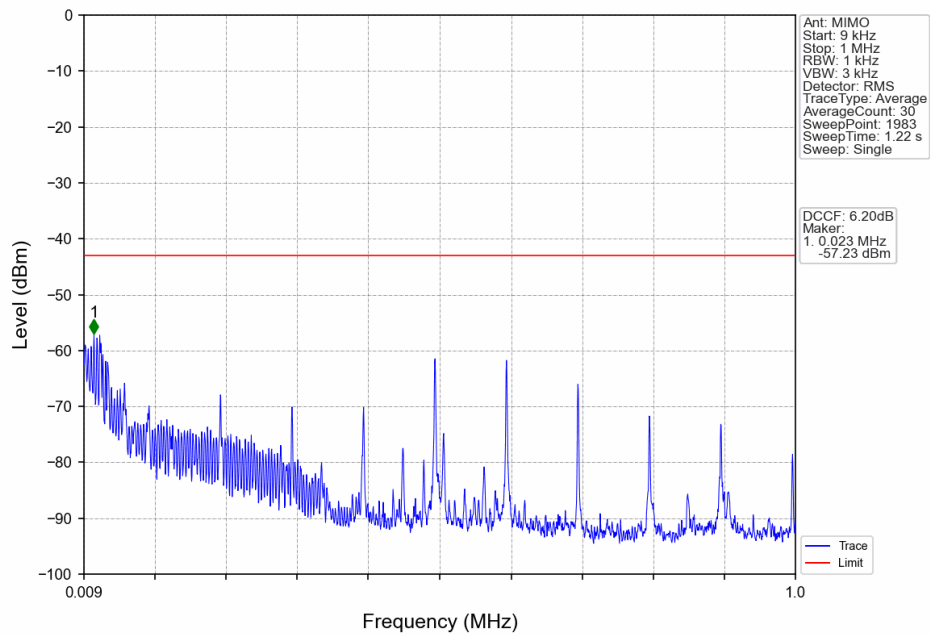
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



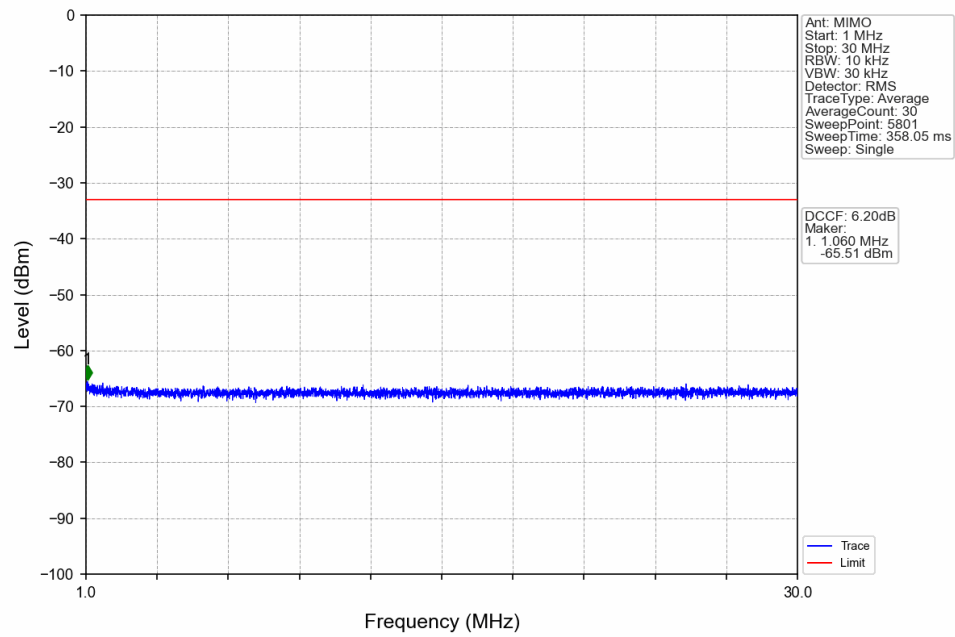
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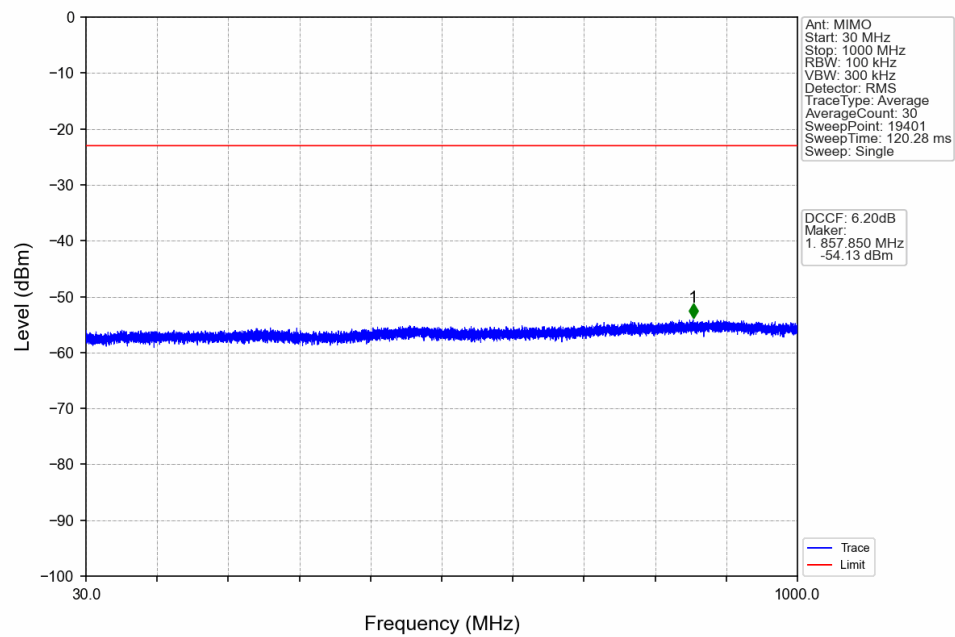
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



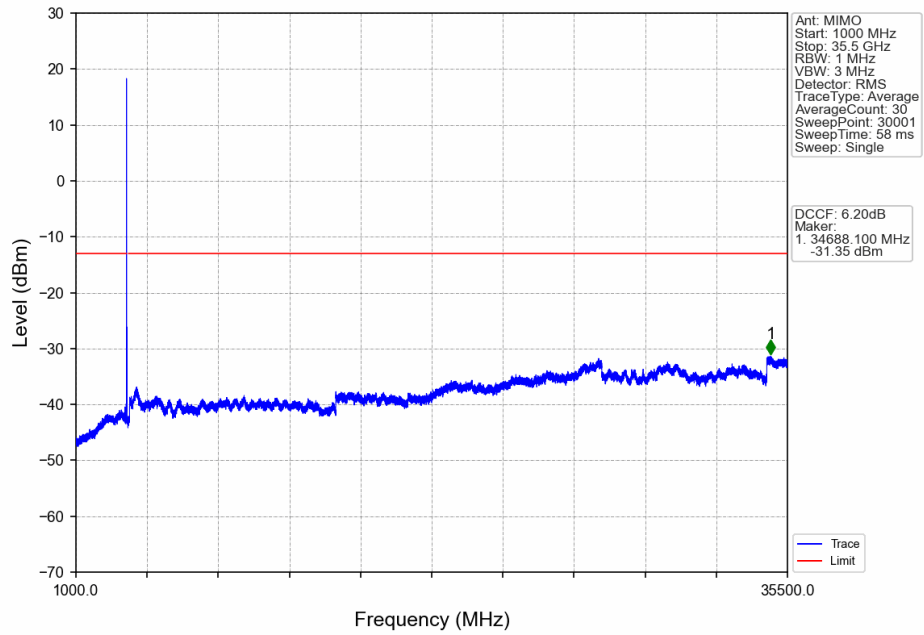
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



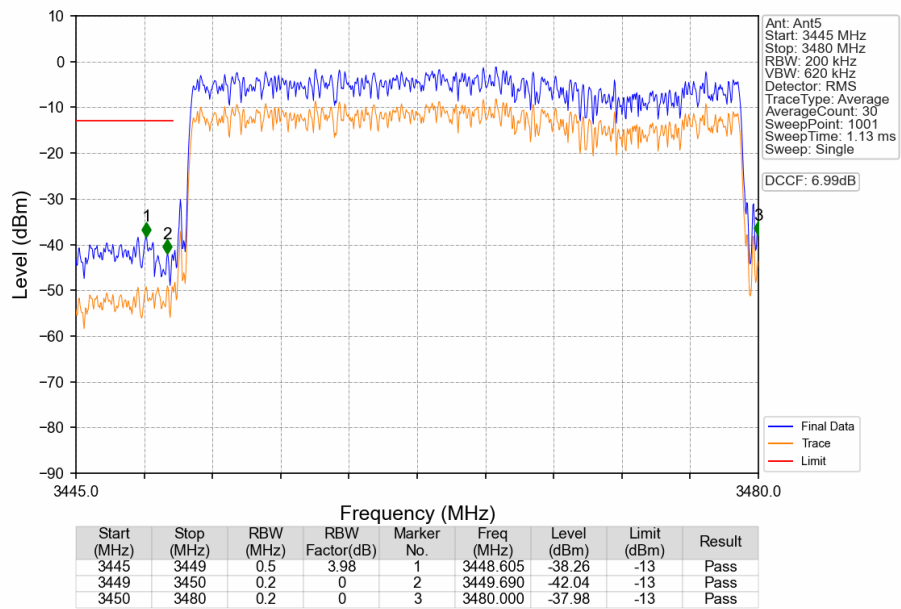
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



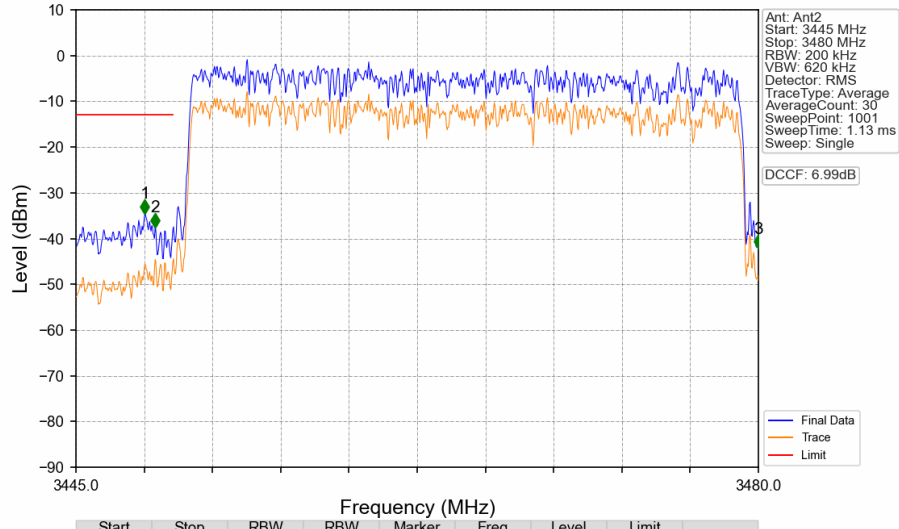
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Edge 1RB Left



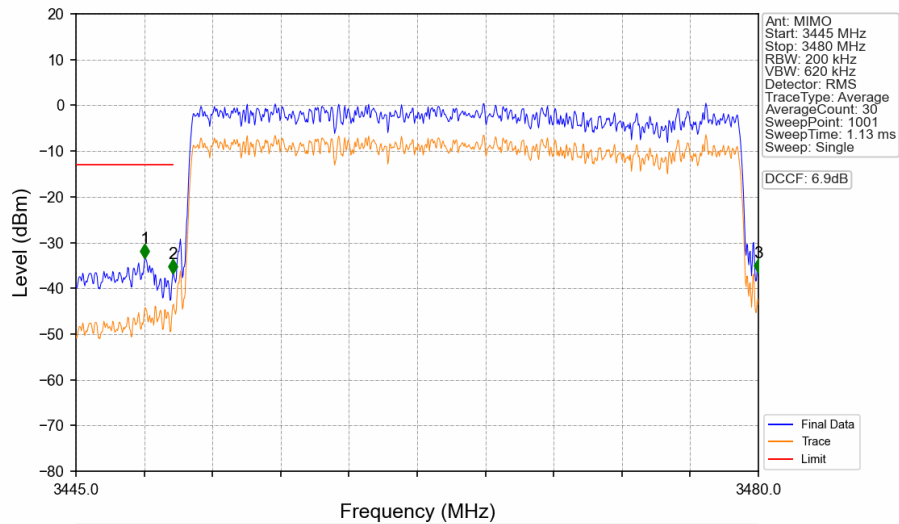
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Outer Full



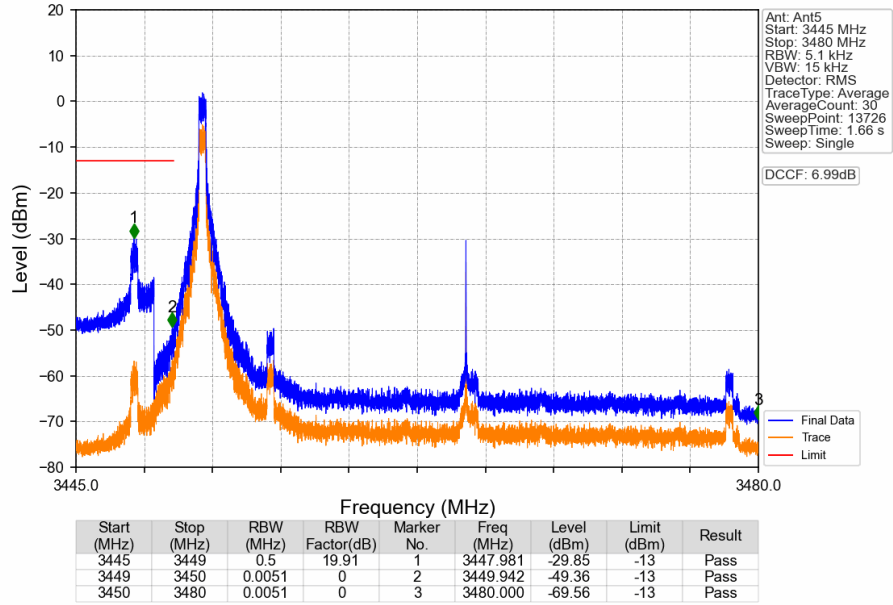
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Outer Full



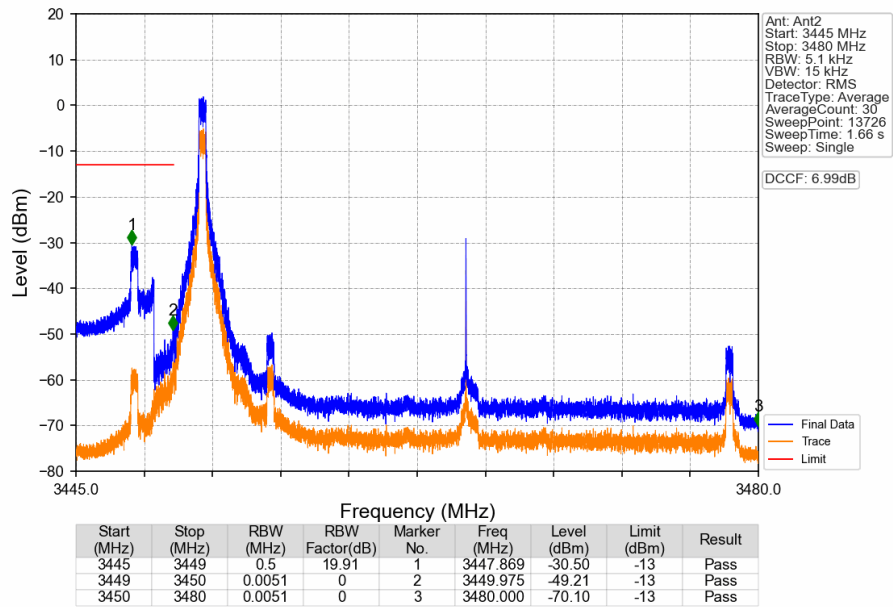
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3465MHz Outer Full



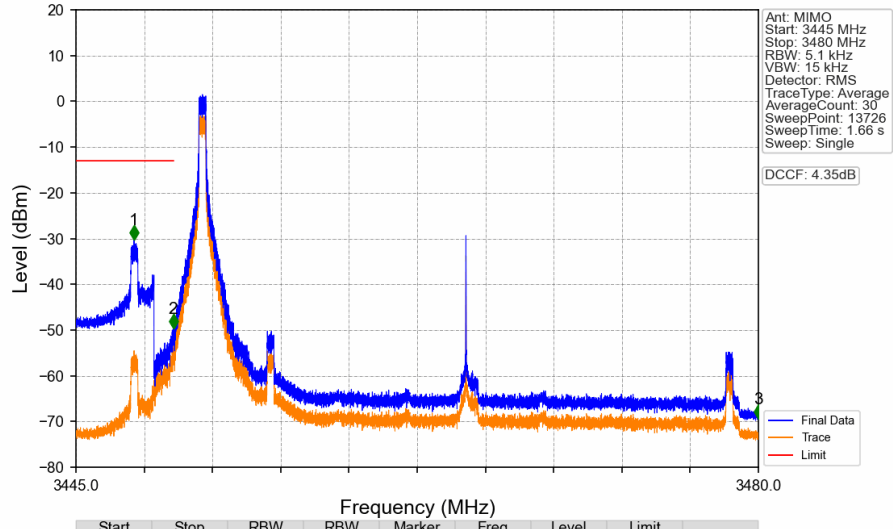
n78e 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3465MHz Inner 1RB Left



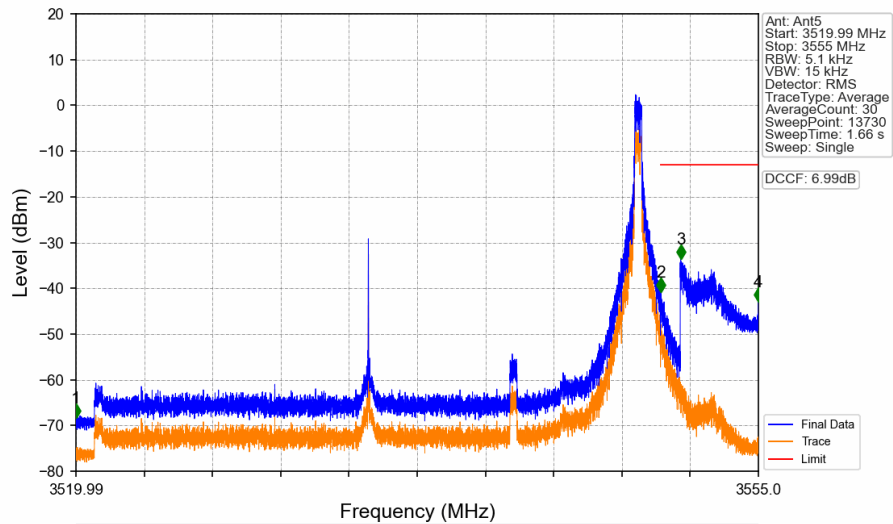
n78e 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3465MHz Inner 1RB Left



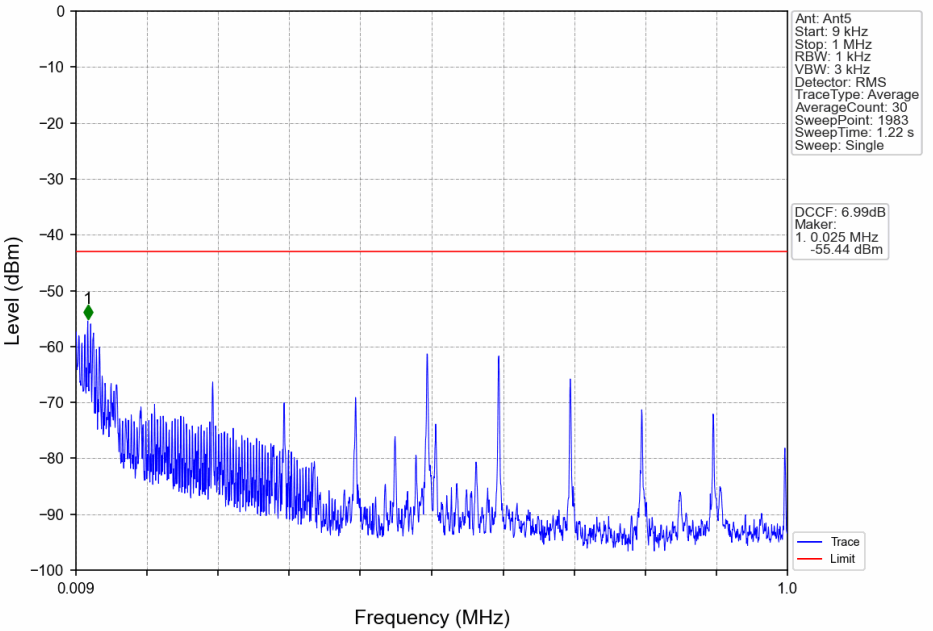
n78e 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3465MHz Inner 1RB Left



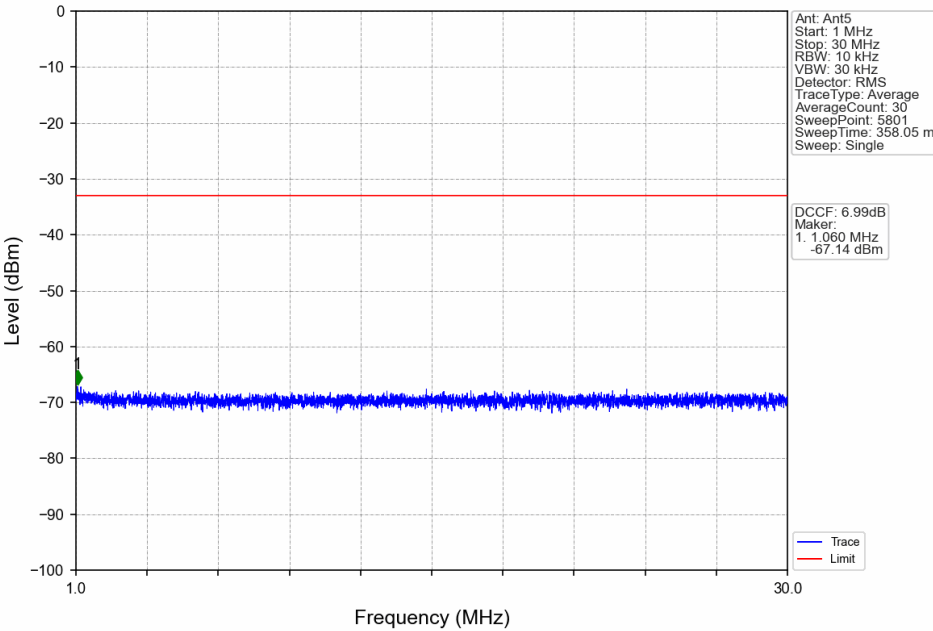
n78e 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



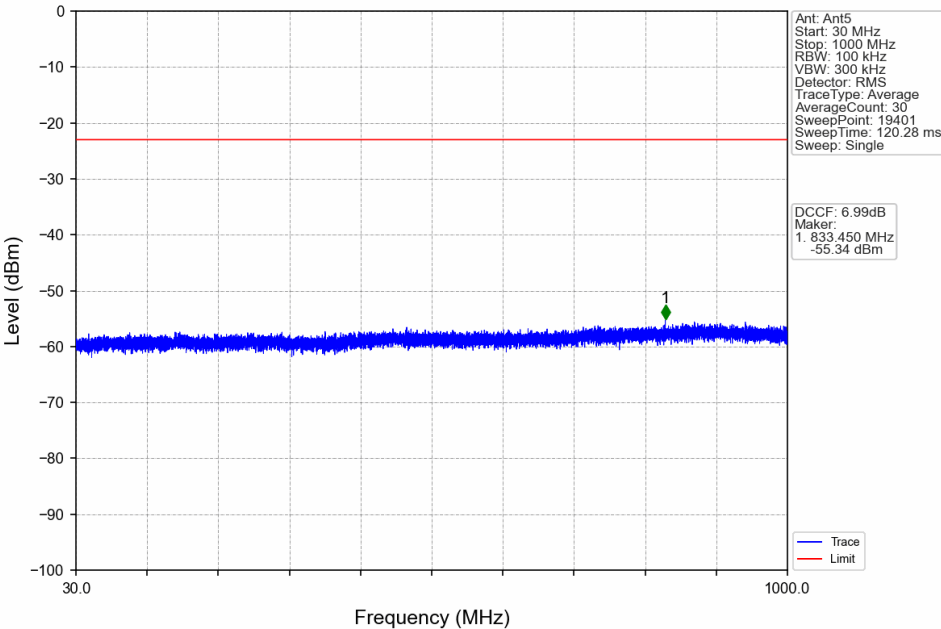
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



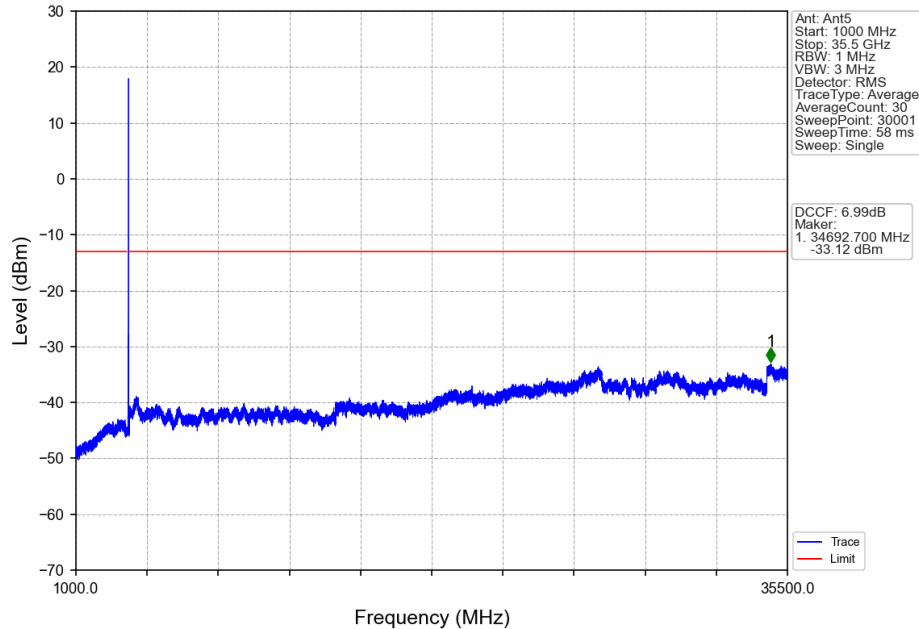
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



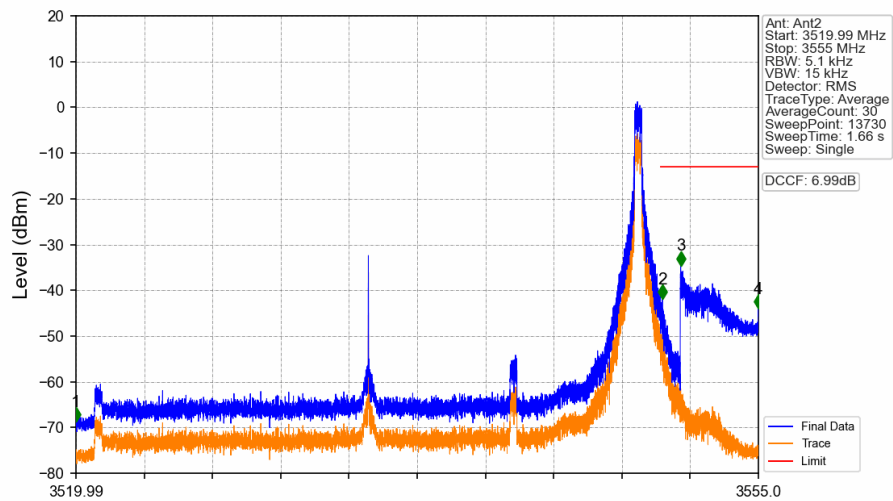
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right

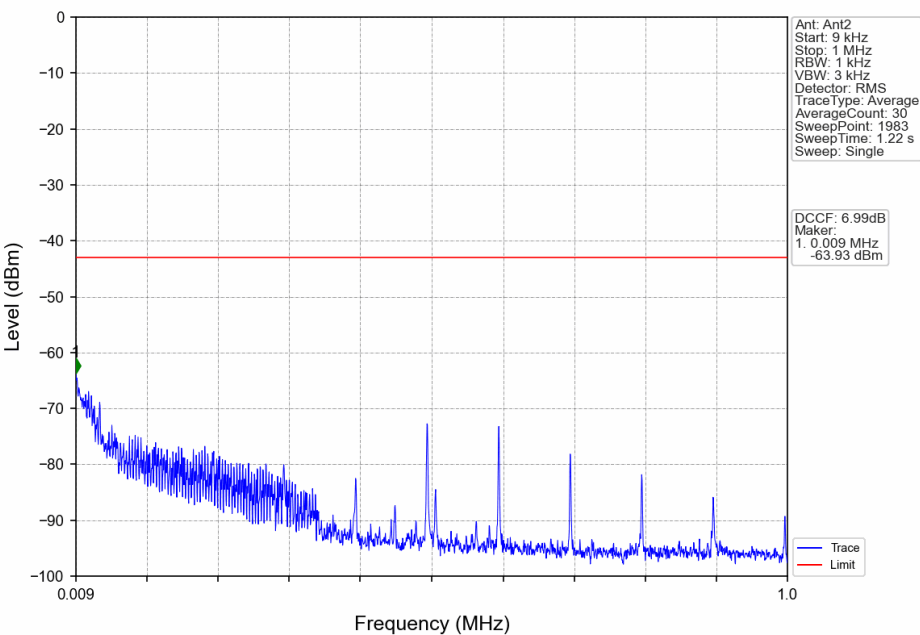


n78e 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right

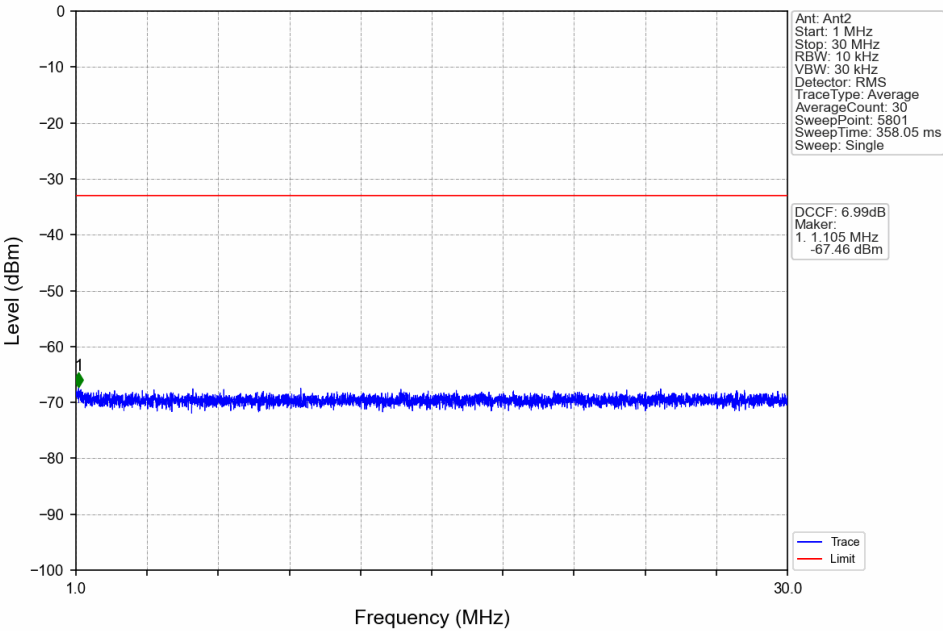


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.0051	0	1	3519.990	-68.77	-13	Pass
3549.99	3549.99	0.0051	0	/	/	/	/	/
3549.99	3550.99	0.0051	0	2	3550.071	-41.87	-13	Pass
3550.99	3554.99	0.5	19.91	3	3551.012	-34.61	-13	Pass
3554.99	3555	1	22.92	4	3554.995	-44.07	-13	Pass

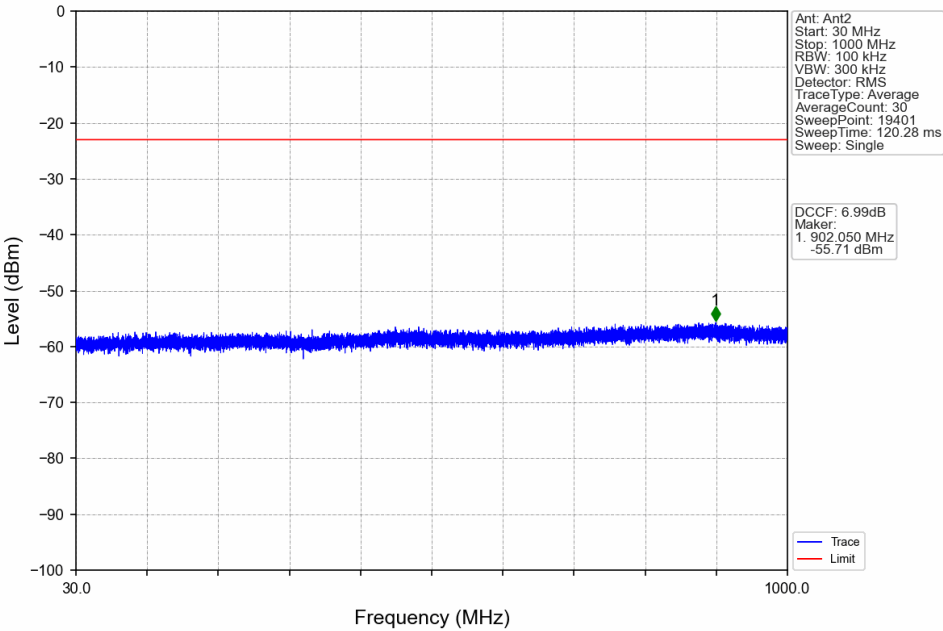
n78e 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



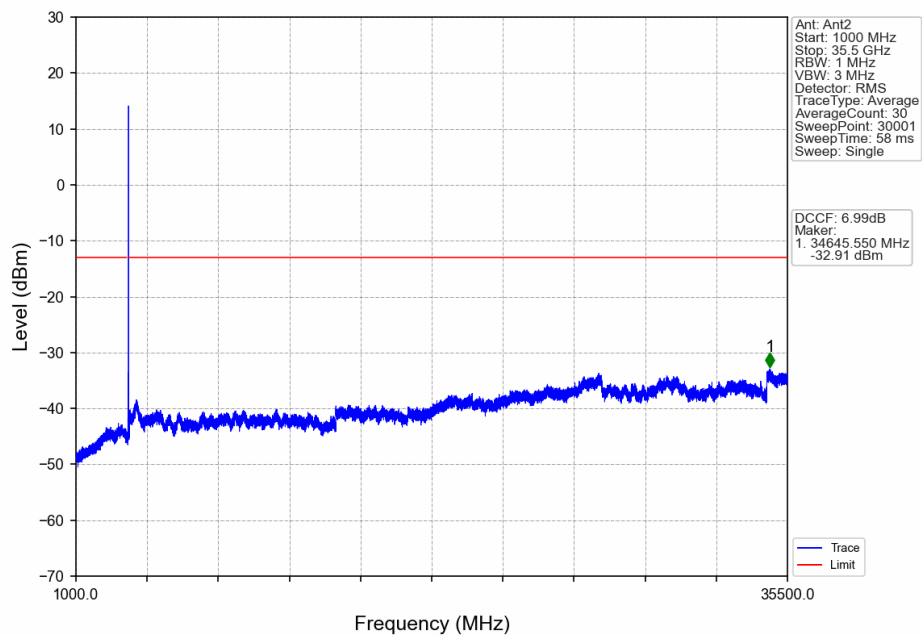
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



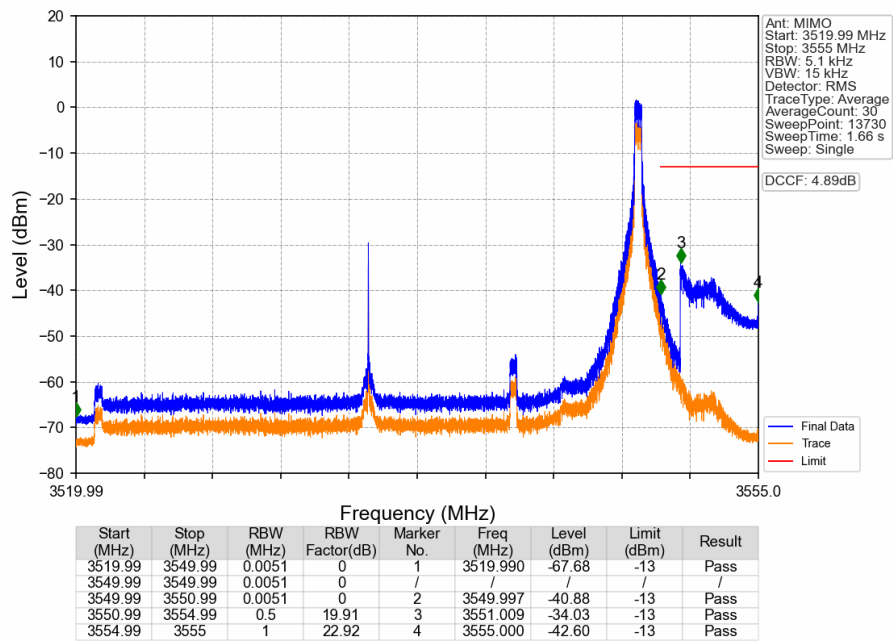
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



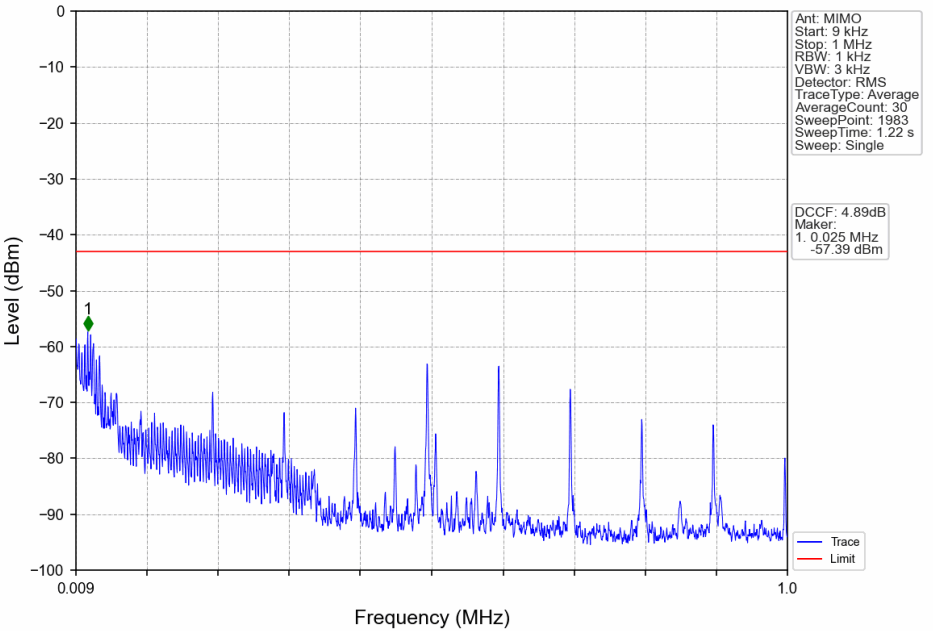
n78e 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



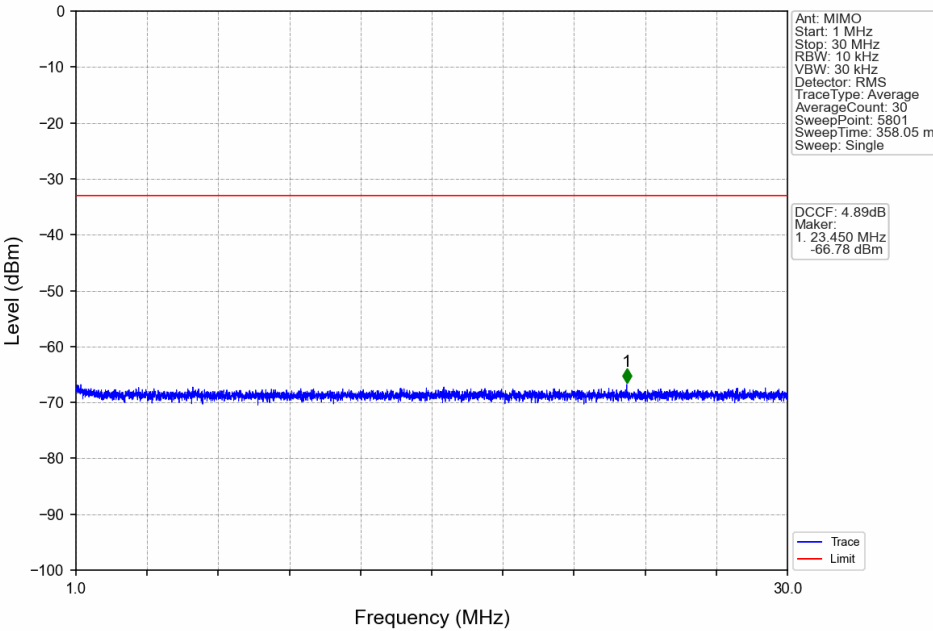
n78e 30kHz MIMO NTNV 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



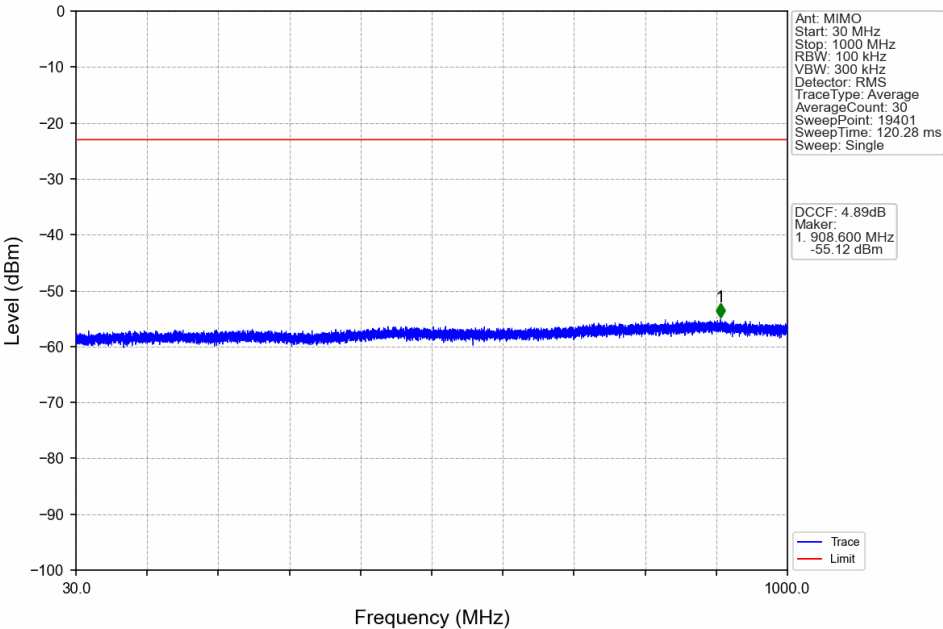
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



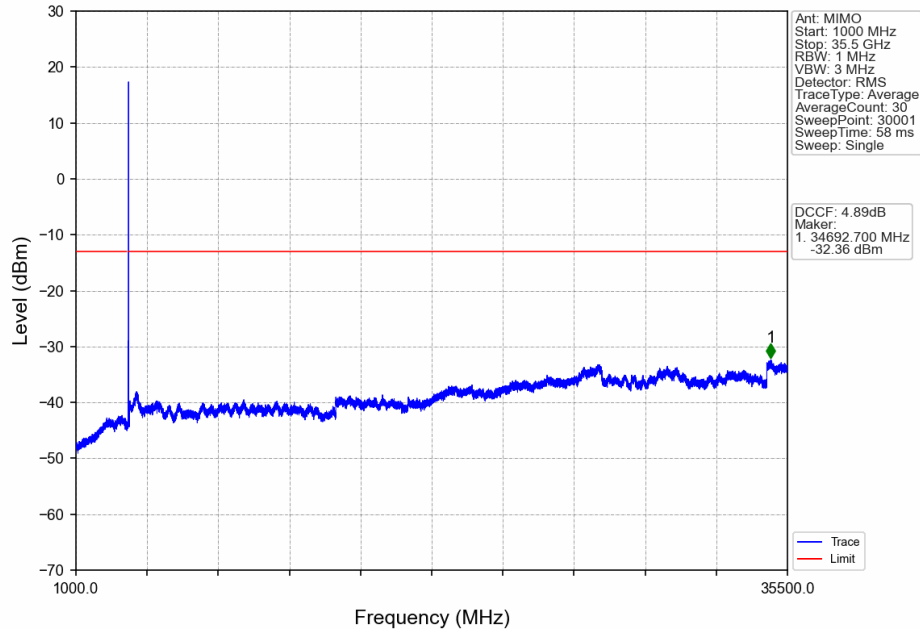
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



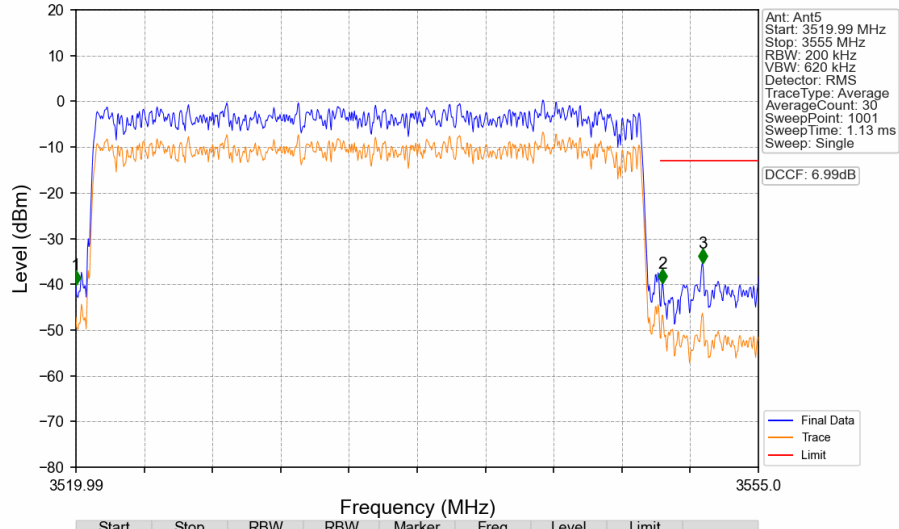
n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Edge 1RB Right



n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Outer Full



n78e 30kHz MIMO NTN 30MHz CP-OFDM QPSK 3534.99MHz Outer Full

