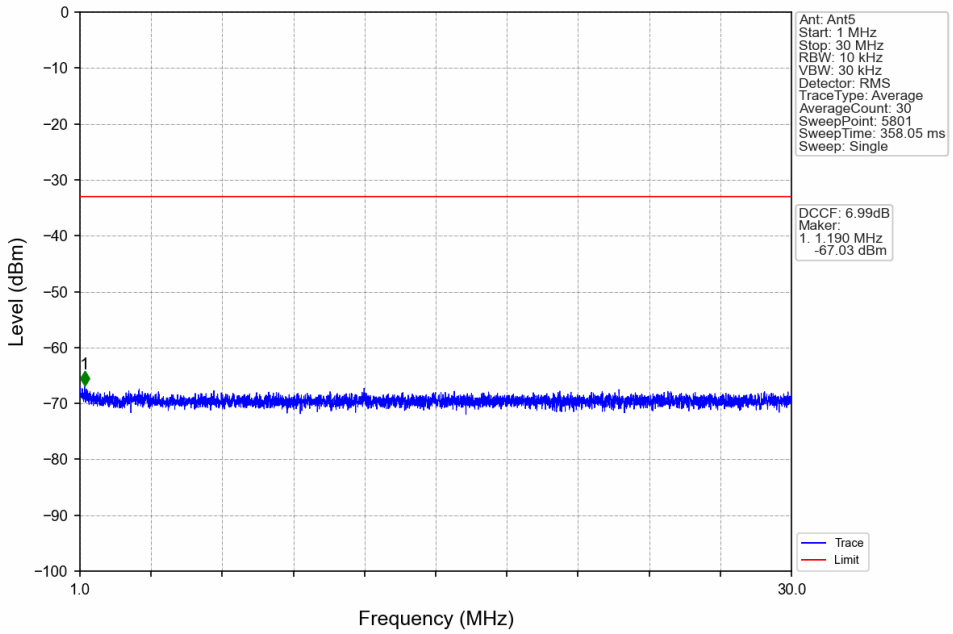
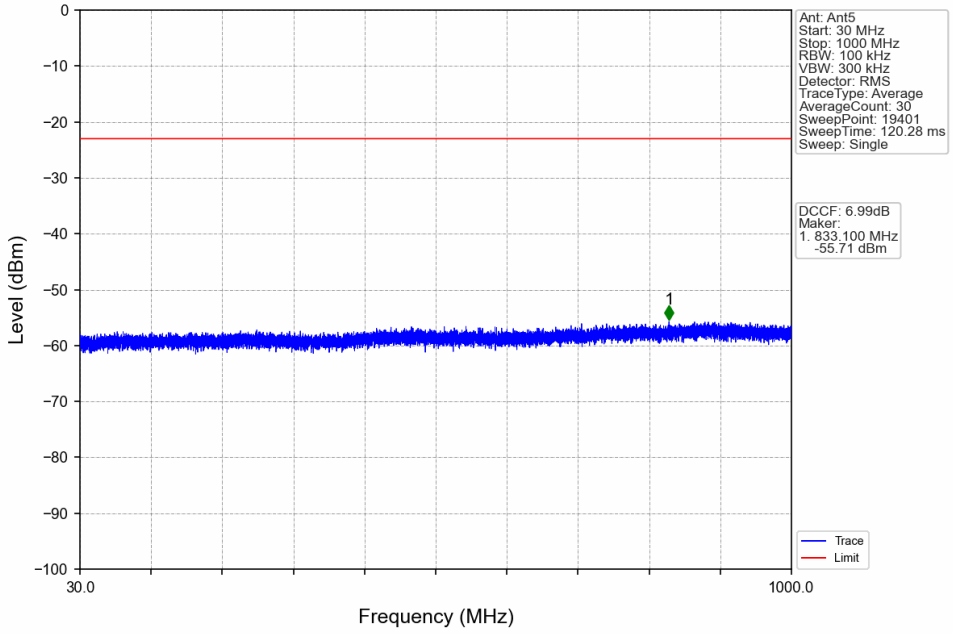
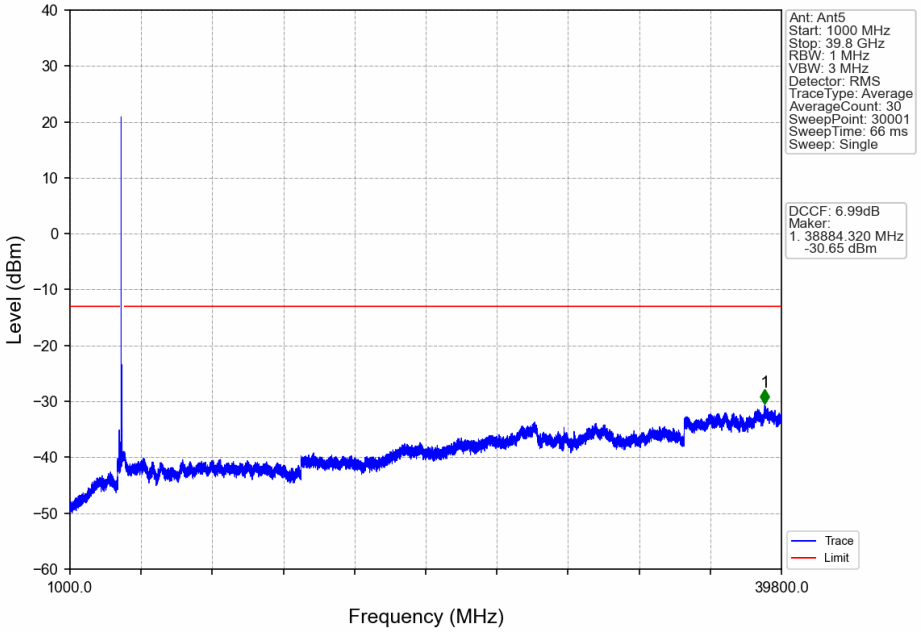
n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



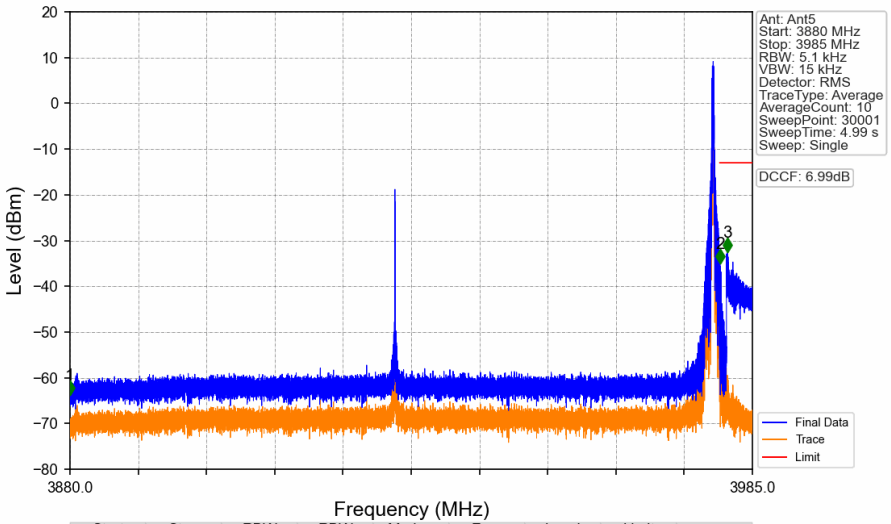
n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left



n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3840MHz_Edge_1RB_Left

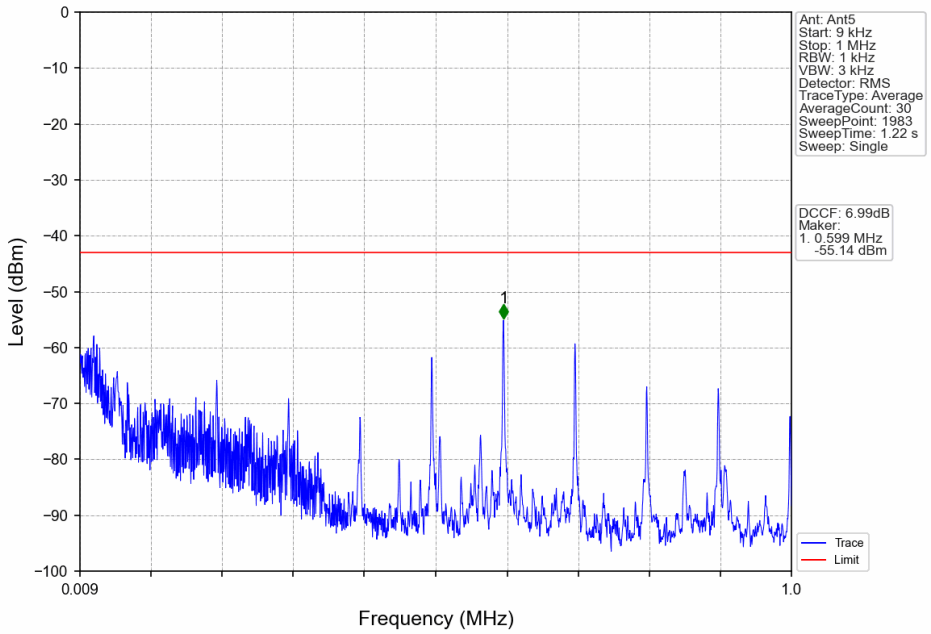


n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right

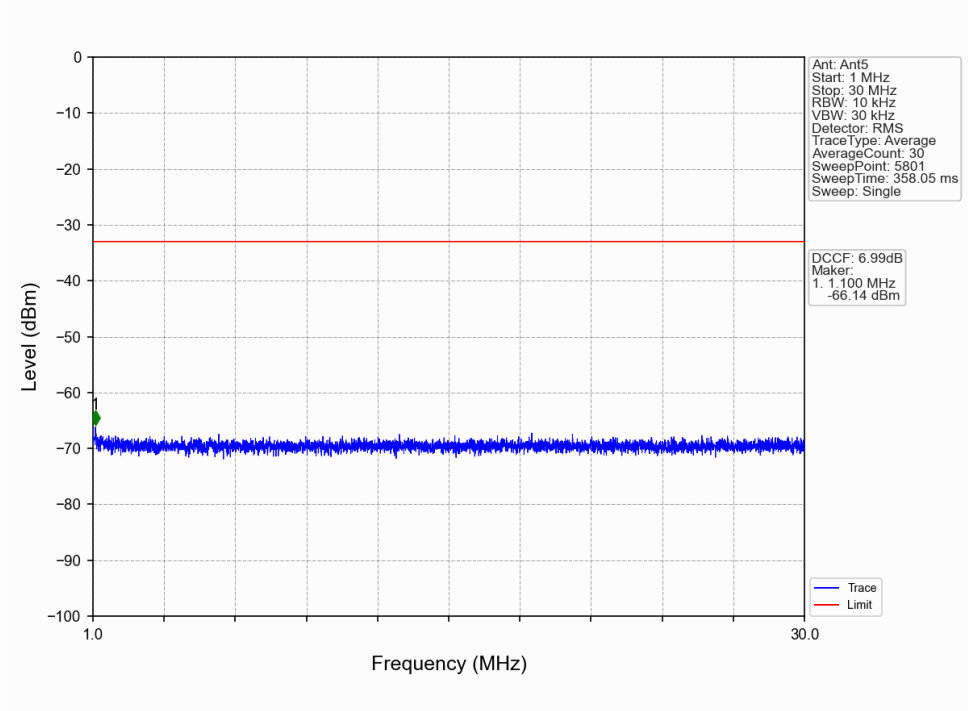


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.0051	0	1	3880.000	-63.73	-13	Pass
3980	3980	0.0051	0	/	/	/	/	/
3980	3981	0.0051	0	2	3980.006	-35.01	-13	Pass
3981	3985	0.5	19.91	3	3981.157	-32.56	-13	Pass

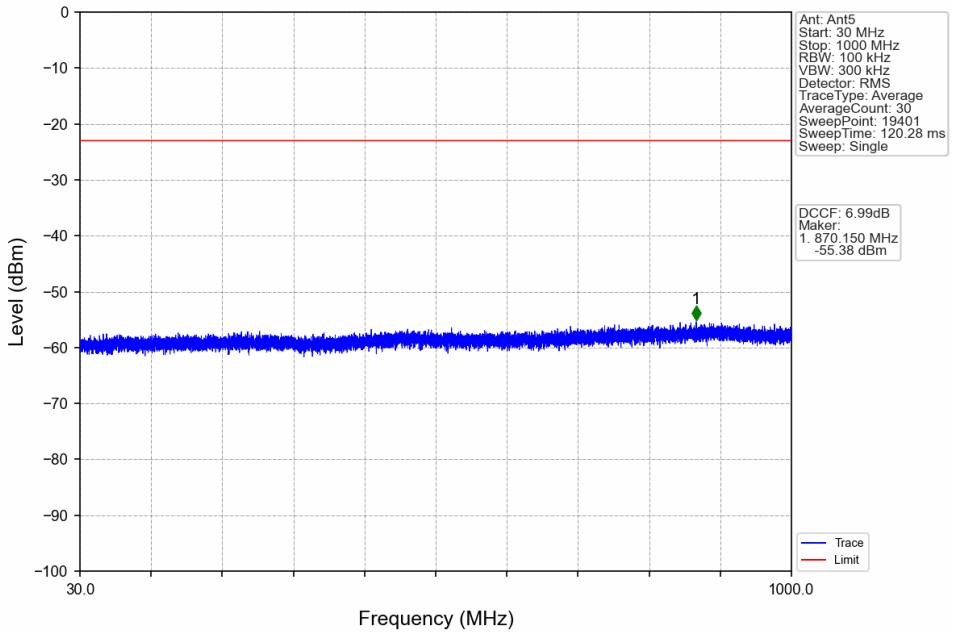
n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right



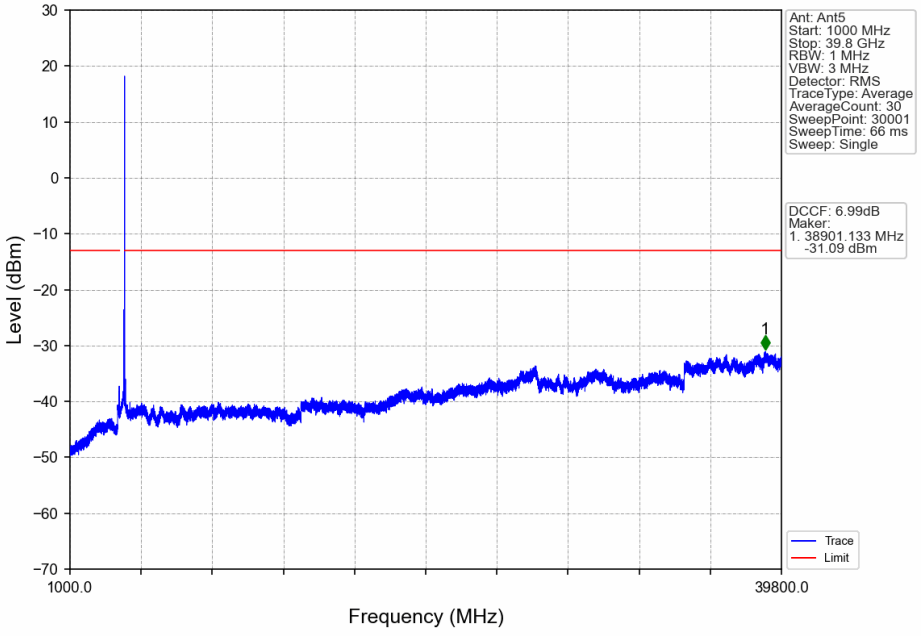
n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right



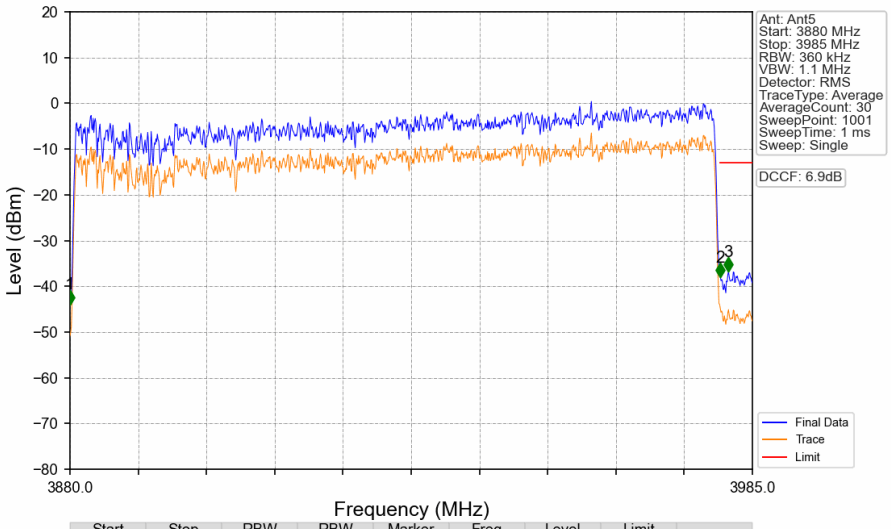
n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right



n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Edge_1RB_Right

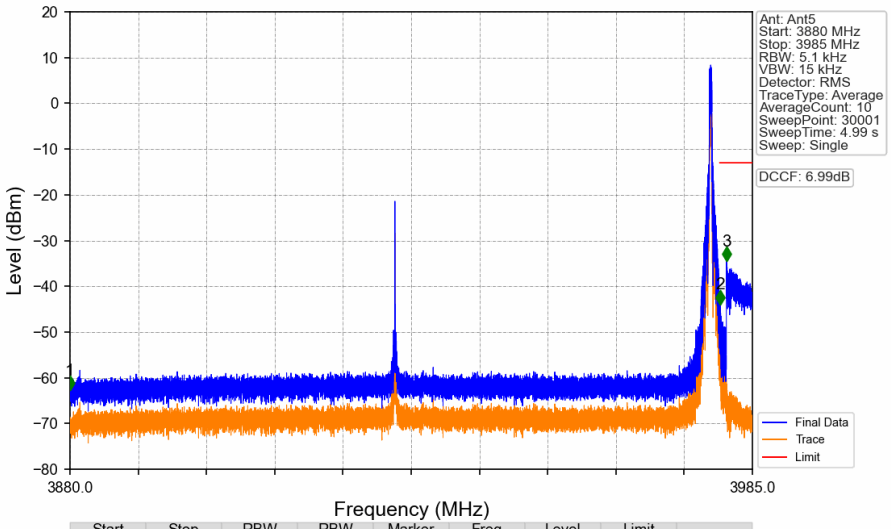


n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Outer_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.36	0	1	3880.000	-43.95	-13	Pass
3980	3980	0.36	0	/	/	/	/	/
3980	3981	0.36	0	2	3980.065	-38.01	-13	Pass
3981	3985	0.5	1.43	3	3981.325	-36.77	-13	Pass

n77a_30kHz_SISO_NTNV_100MHz_CP-OFDM QPSK_3930MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3880	3980	0.0051	0	1	3880.000	-62.78	-13	Pass
3980	3980	0.0051	0	/	/	/	/	/
3980	3981	0.0051	0	2	3980.044	-43.96	-13	Pass
3981	3985	0.5	19.91	3	3981.024	-34.45	-13	Pass

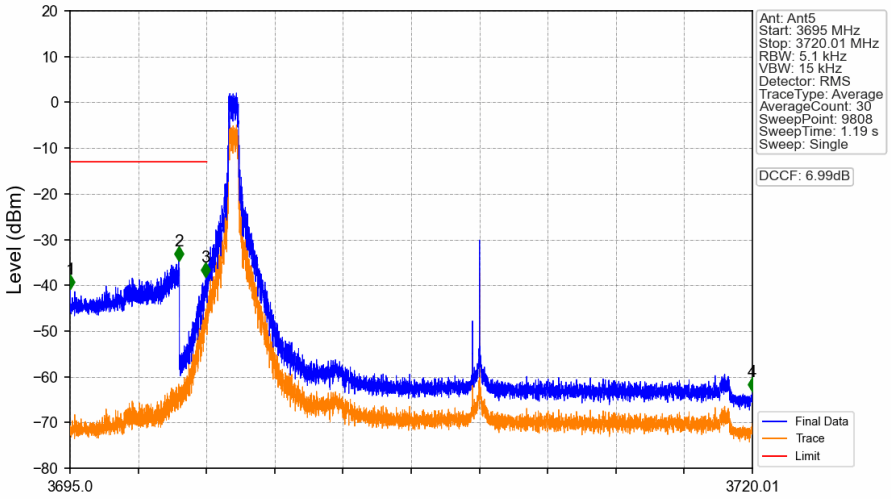
1.7 30k_MIMO_20MHz_NTNV

1.7.1 Test Result

5G NR n77a 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
	3969.99	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

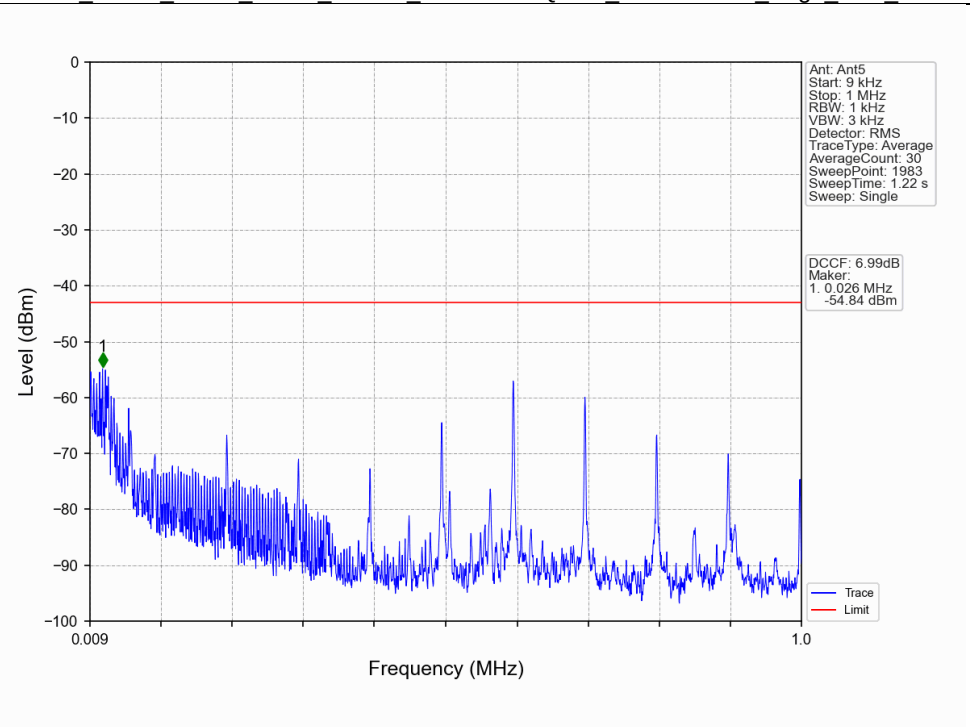
1.7.2 Test Graph

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left

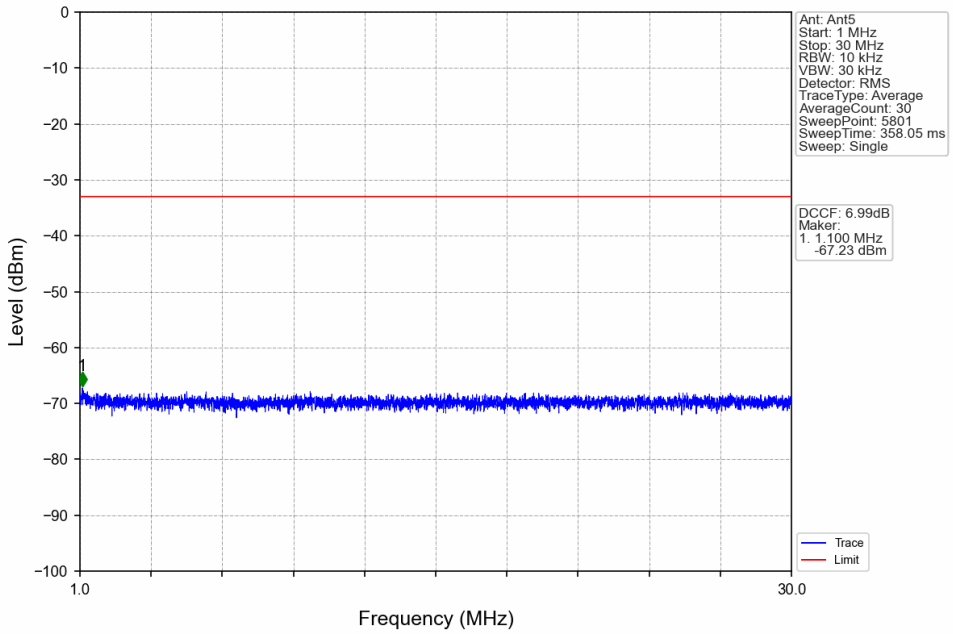


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	22.92	1	3695.005	-40.80	-13	Pass
3695.01	3699.01	0.5	19.91	2	3698.986	-34.70	-13	Pass
3699.01	3700.01	0.0051	0	3	3699.978	-38.18	-13	Pass
3700.01	3720.01	0.0051	0	4	3720.010	-63.23	-13	Pass

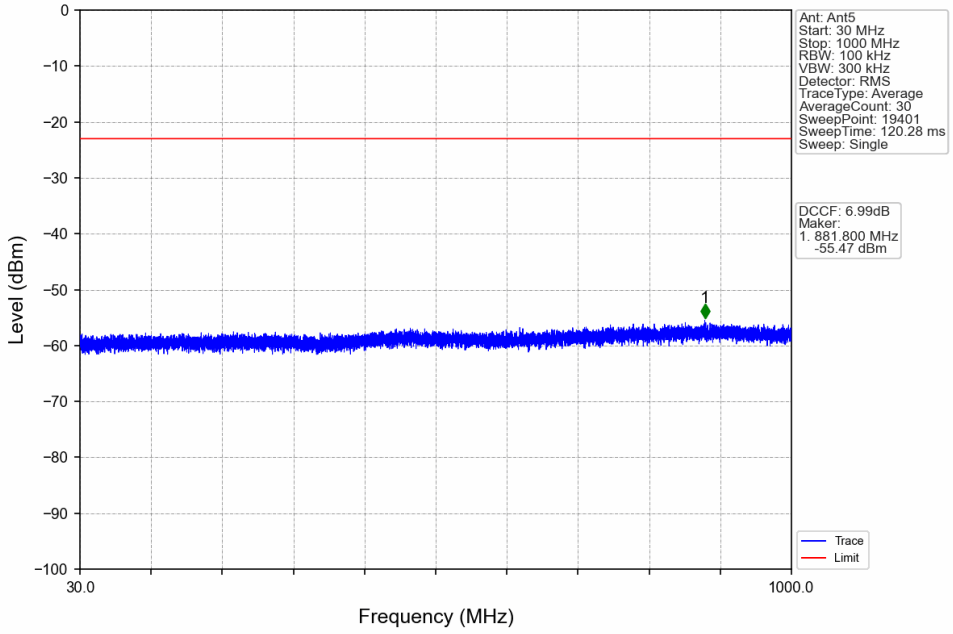
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



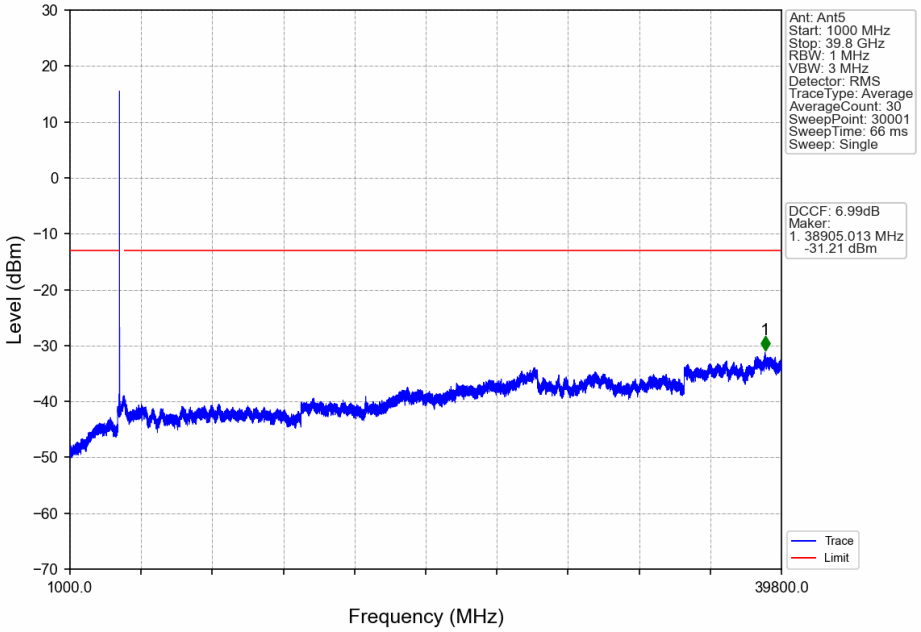
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



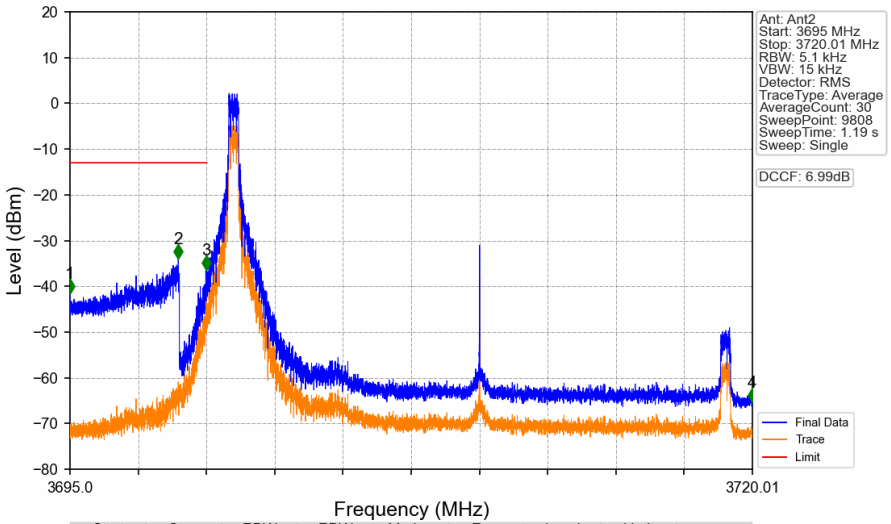
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left

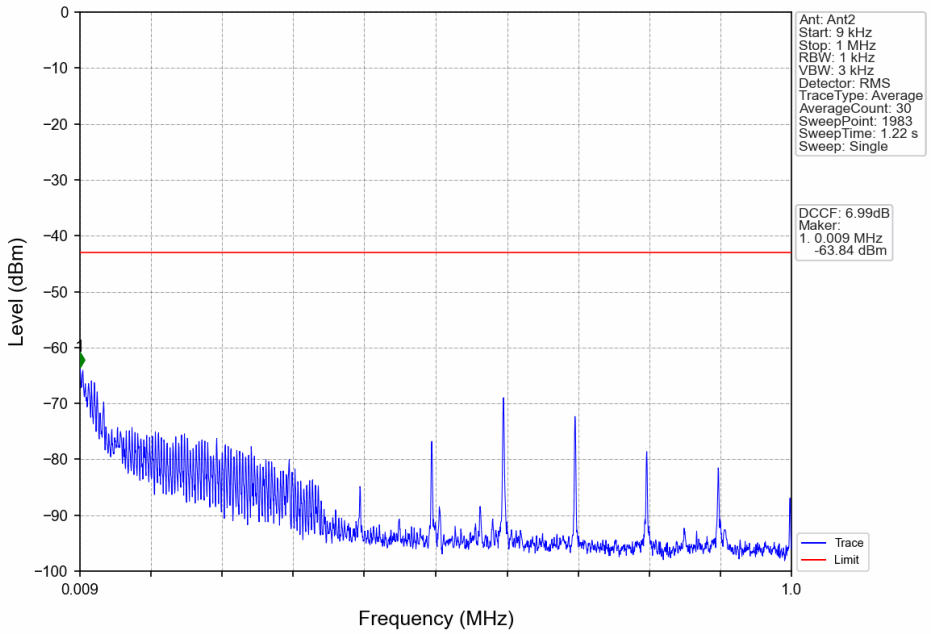


n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left

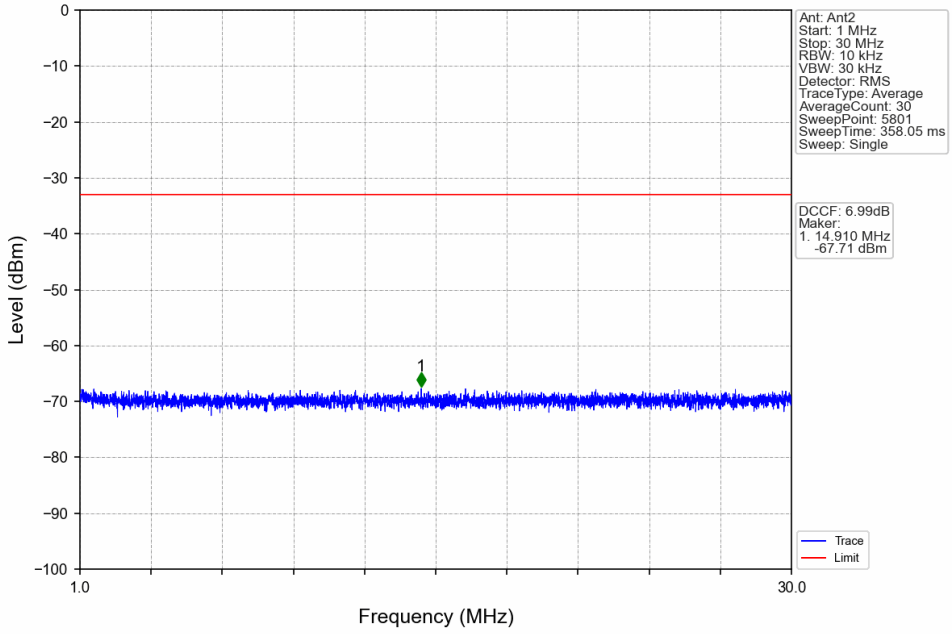


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	22.92	1	3695.000	-41.52	-13	Pass
3695.01	3699.01	0.5	19.91	2	3698.968	-34.00	-13	Pass
3699.01	3700.01	0.0051	0	3	3700.001	-36.41	-13	Pass
3700.01	3720.01	0.0051	0	4	3720.010	-65.32	-13	Pass

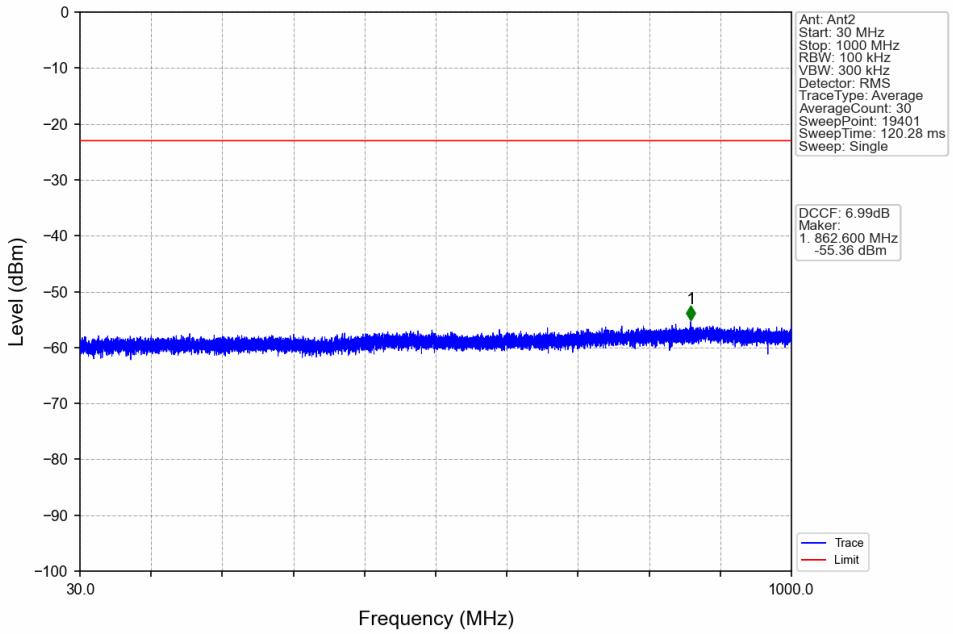
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



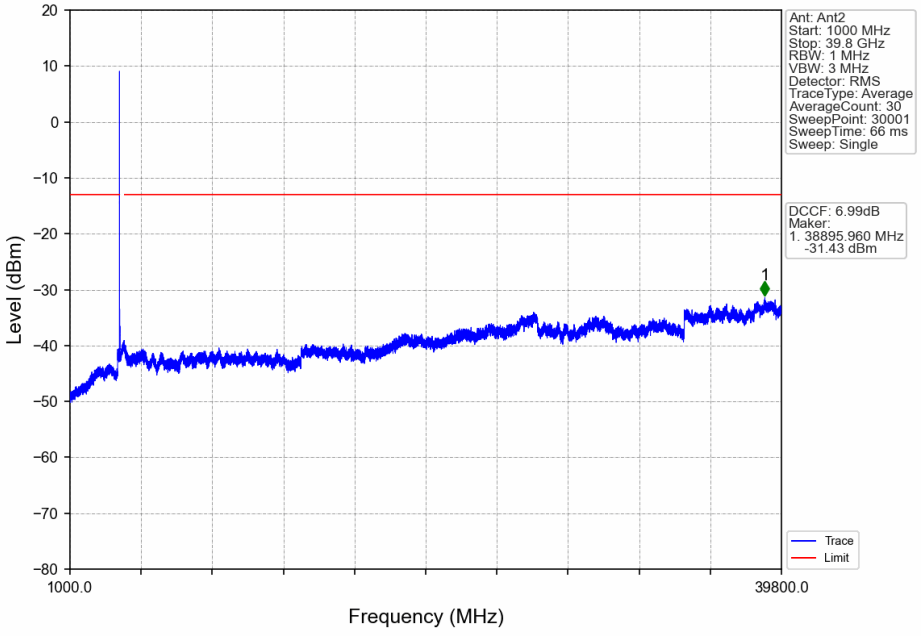
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



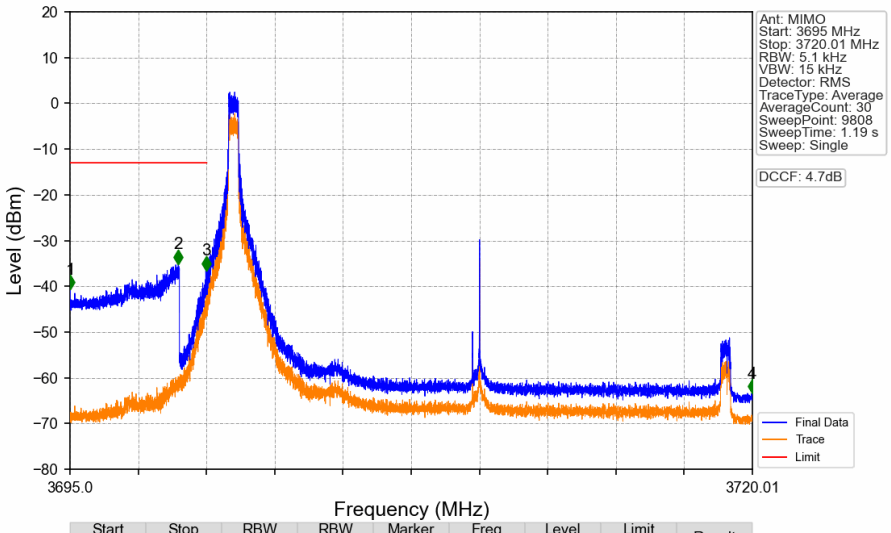
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left

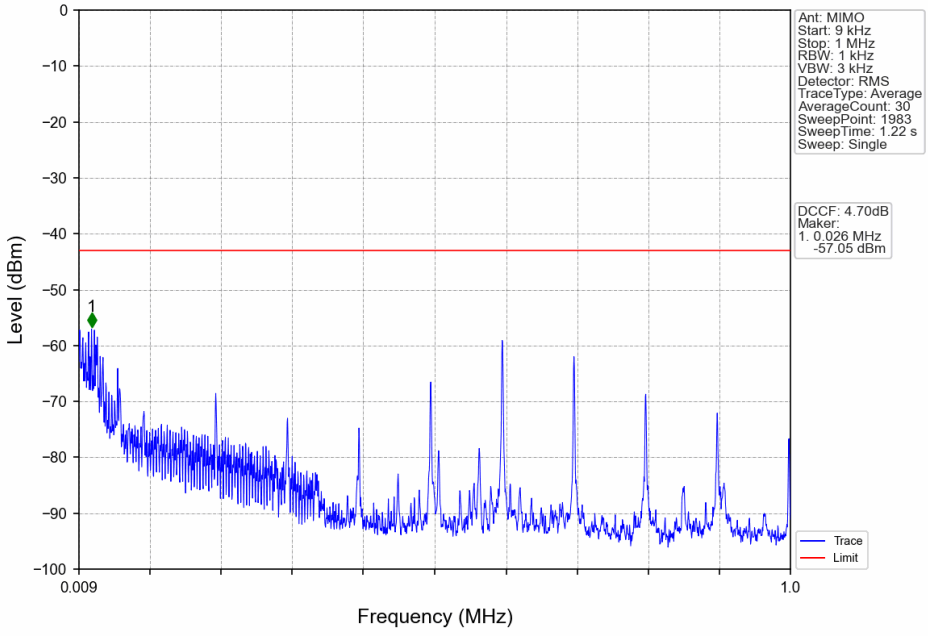


n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left

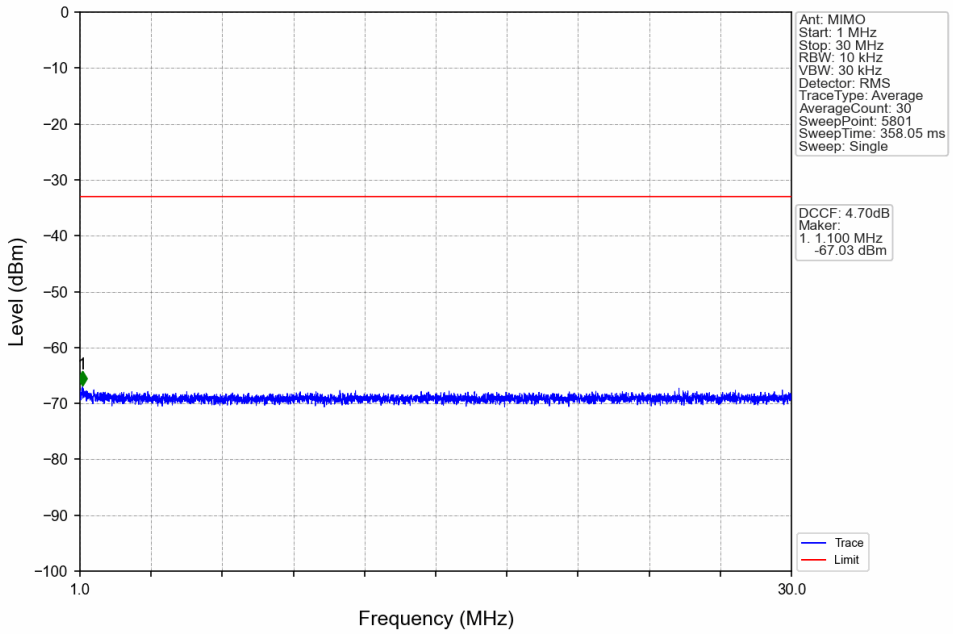


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	22.92	1	3695.003	-40.62	-13	Pass
3695.01	3699.01	0.5	19.91	2	3698.968	-35.13	-13	Pass
3699.01	3700.01	0.0051	0	3	3700.001	-36.52	-13	Pass
3700.01	3720.01	0.0051	0	4	3720.010	-63.43	-13	Pass

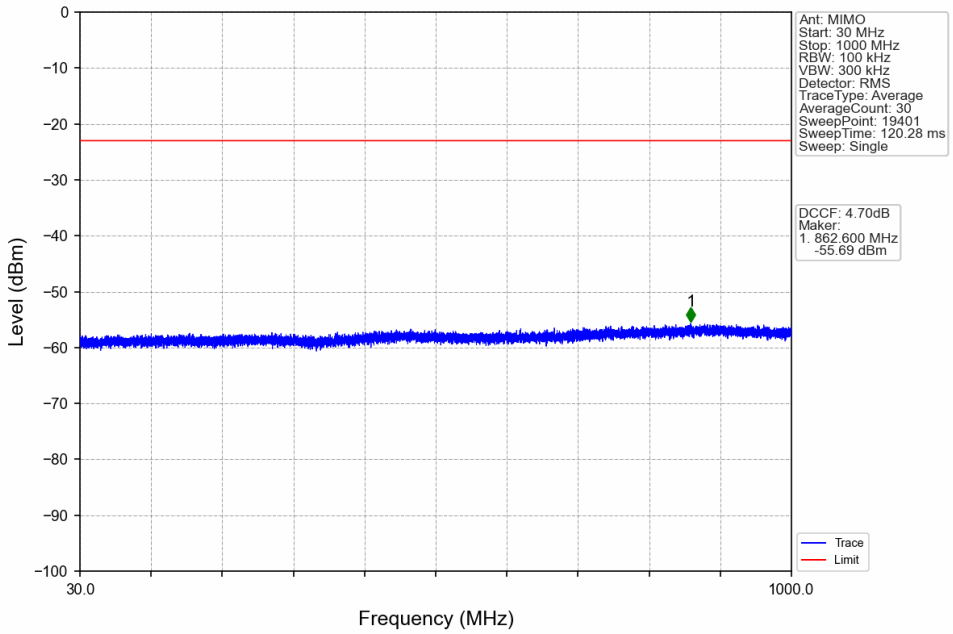
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



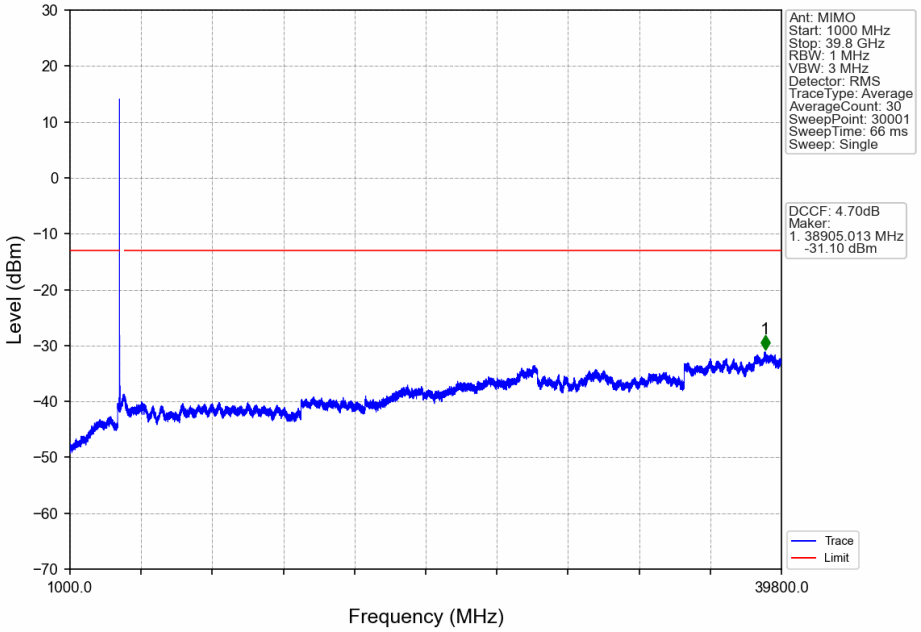
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



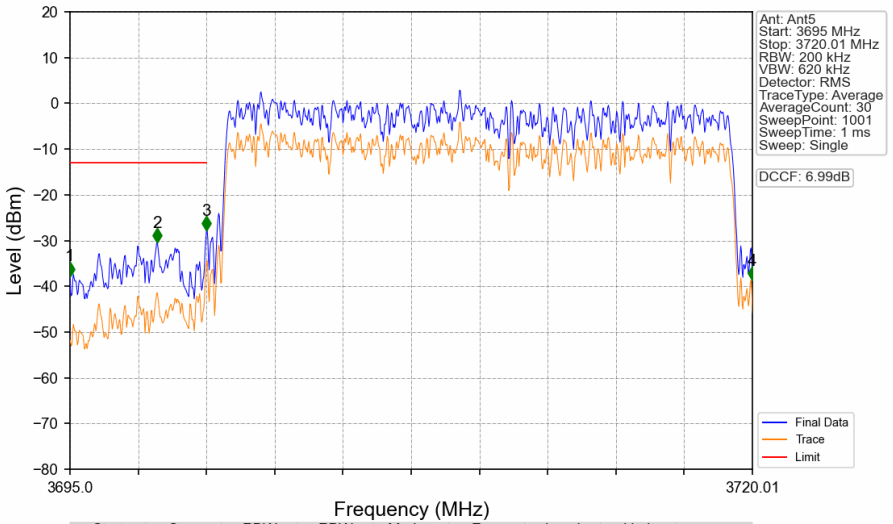
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left



n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Edge_1RB_Left

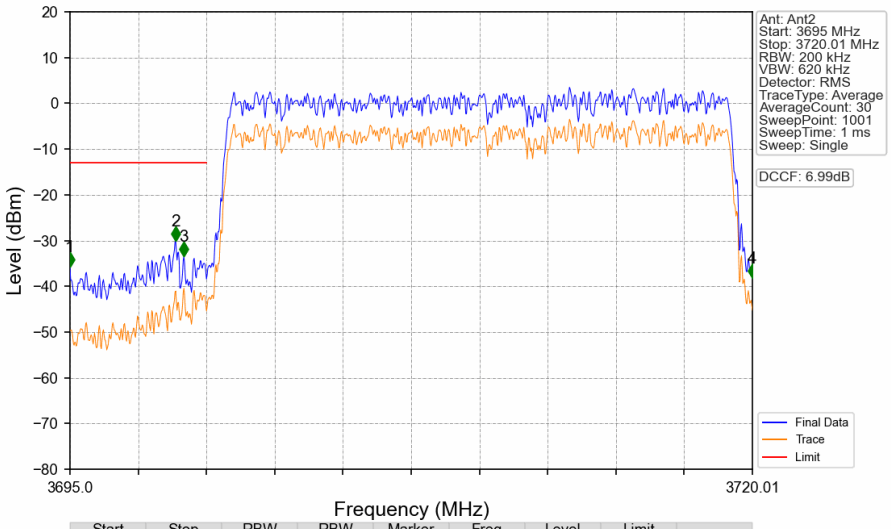


n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Outer_Full



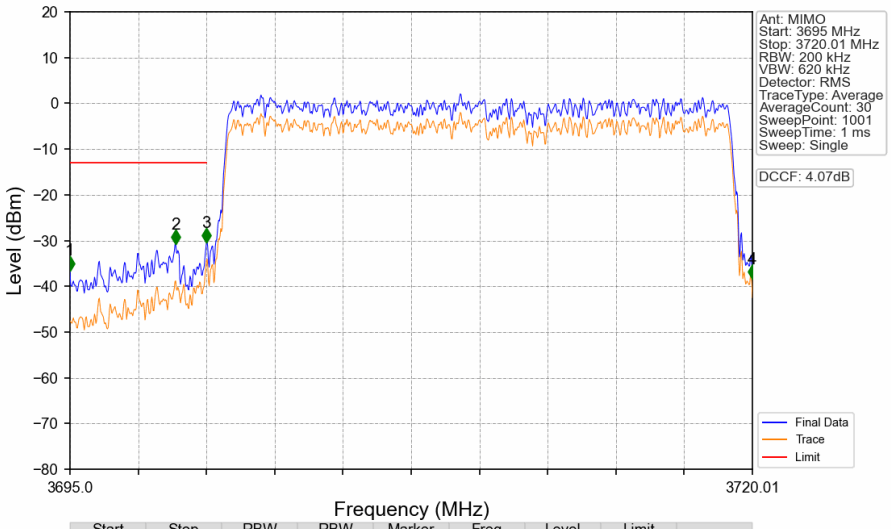
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	6.99	1	3695.000	-37.77	-13	Pass
3695.01	3699.01	0.5	3.98	2	3698.201	-30.41	-13	Pass
3699.01	3700.01	0.2	0	3	3700.002	-27.86	-13	Pass
3700.01	3720.01	0.2	0	4	3720.010	-38.78	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Outer_Full



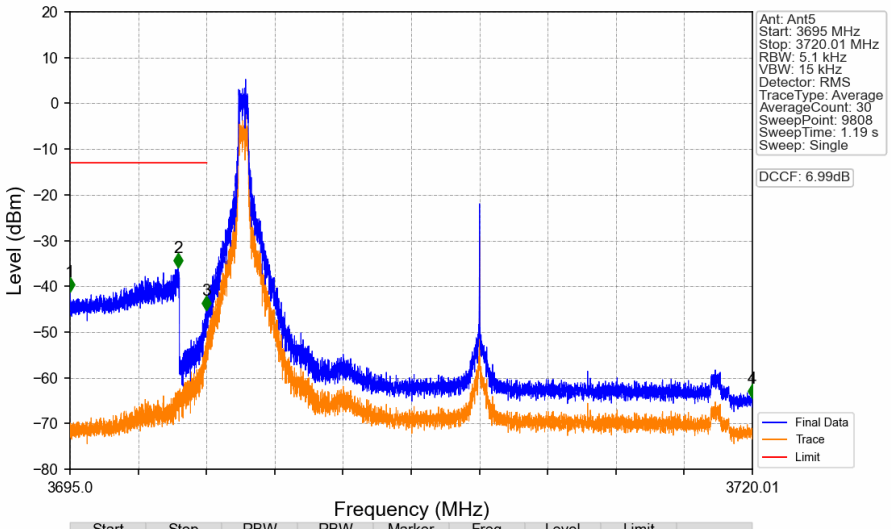
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	6.99	1	3695.000	-35.74	-13	Pass
3695.01	3699.01	0.5	3.98	2	3698.877	-30.07	-13	Pass
3699.01	3700.01	0.2	0	3	3699.177	-33.45	-13	Pass
3700.01	3720.01	0.2	0	4	3720.010	-38.21	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Outer_Full



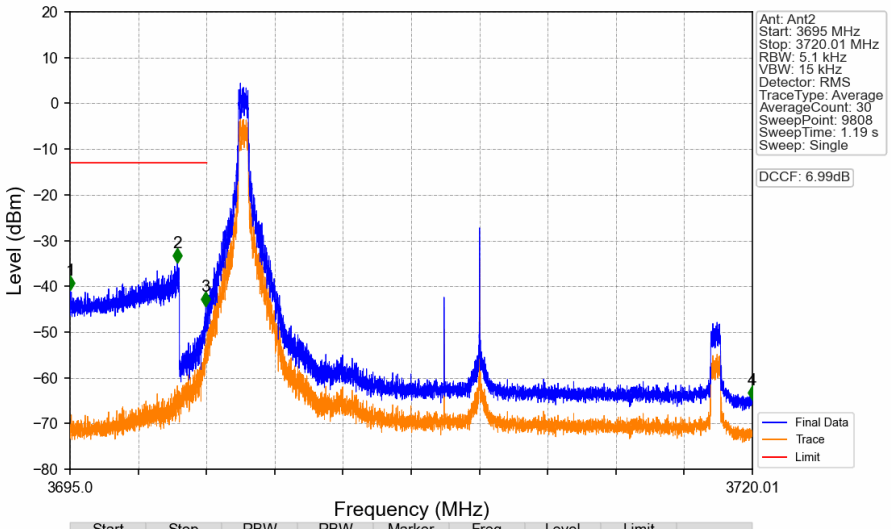
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	6.99	1	3695.000	-36.55	-13	Pass
3695.01	3699.01	0.5	3.98	2	3698.877	-30.82	-13	Pass
3699.01	3700.01	0.2	0	3	3700.002	-30.41	-13	Pass
3700.01	3720.01	0.2	0	4	3720.010	-38.40	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Inner_1RB_Left



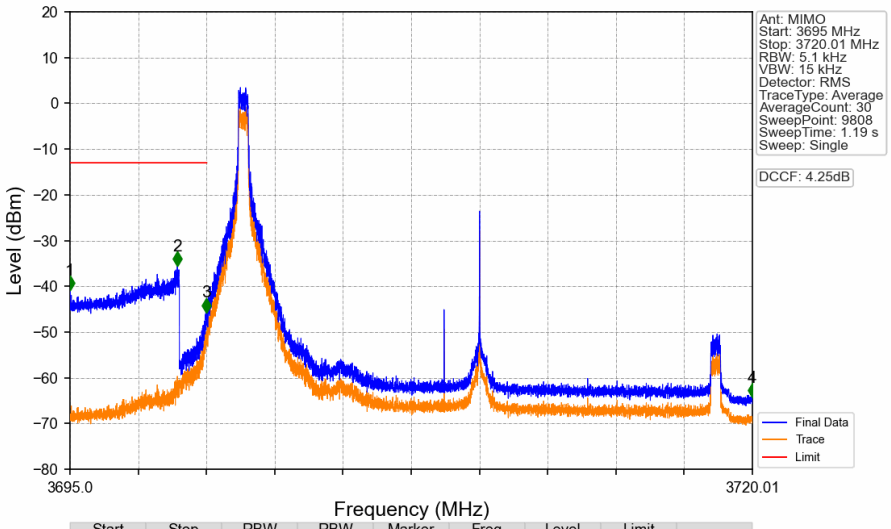
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	22.92	1	3695.000	-41.15	-13	Pass
3695.01	3699.01	0.5	19.91	2	3698.963	-35.98	-13	Pass
3699.01	3700.01	0.0051	0	3	3699.996	-45.32	-13	Pass
3700.01	3720.01	0.0051	0	4	3720.010	-64.44	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Inner_1RB_Left



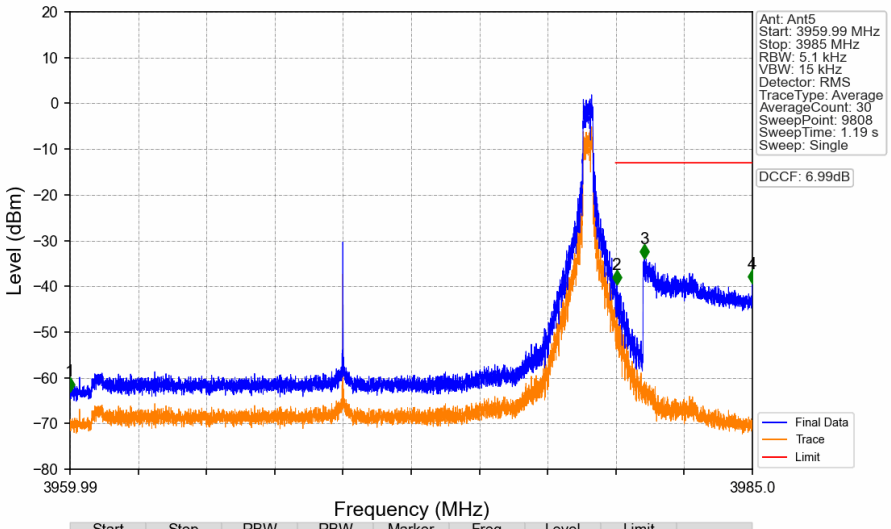
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	22.92	1	3695.008	-40.82	-13	Pass
3695.01	3699.01	0.5	19.91	2	3698.935	-34.84	-13	Pass
3699.01	3700.01	0.0051	0	3	3699.978	-44.43	-13	Pass
3700.01	3720.01	0.0051	0	4	3720.010	-64.84	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3710.01MHz_Inner_1RB_Left



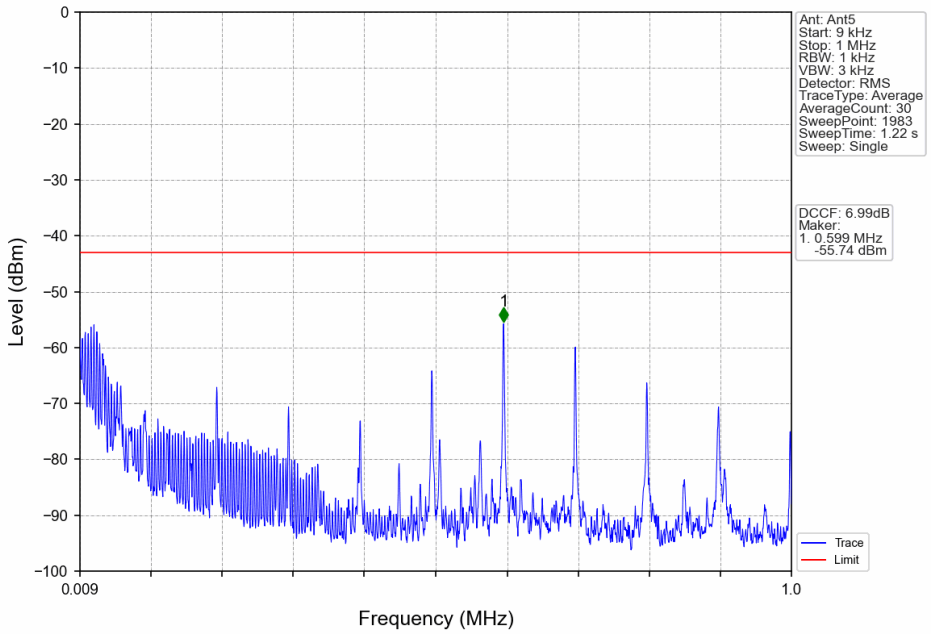
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	22.92	1	3695.000	-40.84	-13	Pass
3695.01	3699.01	0.5	19.91	2	3698.935	-35.52	-13	Pass
3699.01	3700.01	0.0051	0	3	3699.996	-45.72	-13	Pass
3700.01	3720.01	0.0051	0	4	3720.010	-64.36	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right

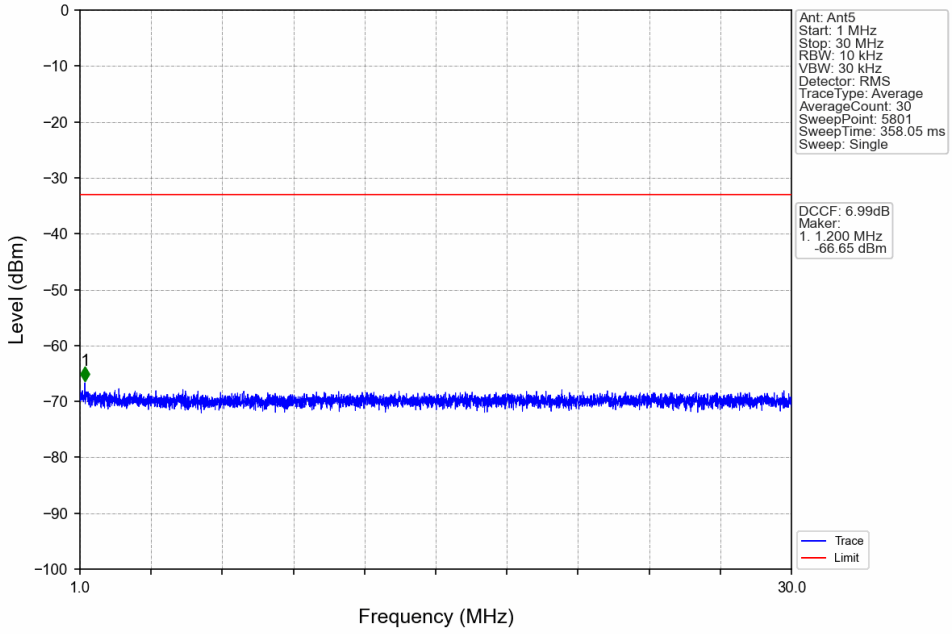


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.0051	0	1	3959.990	-62.99	-13	Pass
3979.99	3979.99	0.0051	0	/	/	/	/	/
3979.99	3980.99	0.0051	0	2	3980.022	-39.63	-13	Pass
3980.99	3984.99	0.5	19.91	3	3981.052	-33.92	-13	Pass
3984.99	3985	1	22.92	4	3984.992	-39.39	-13	Pass

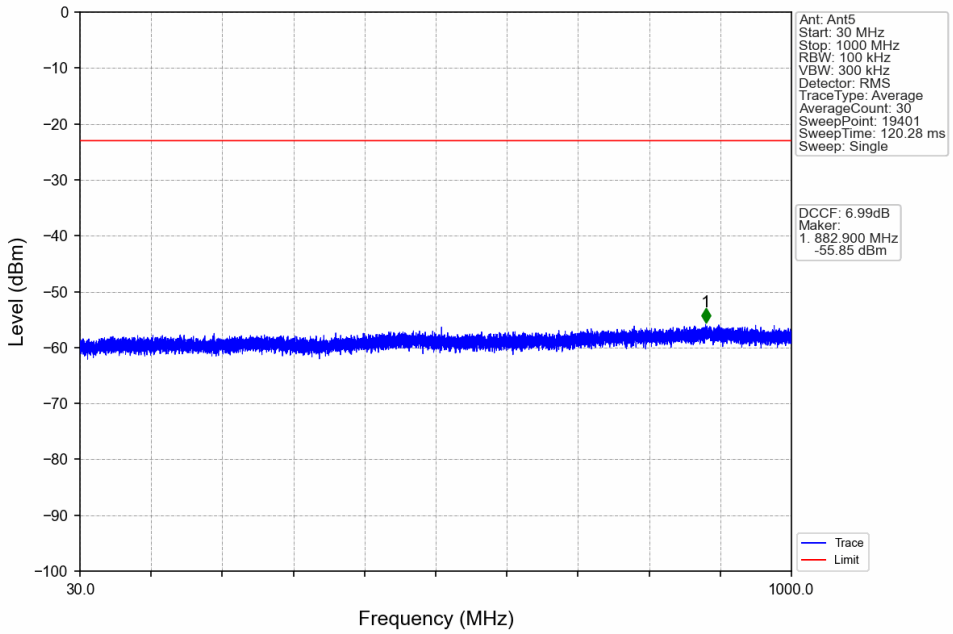
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



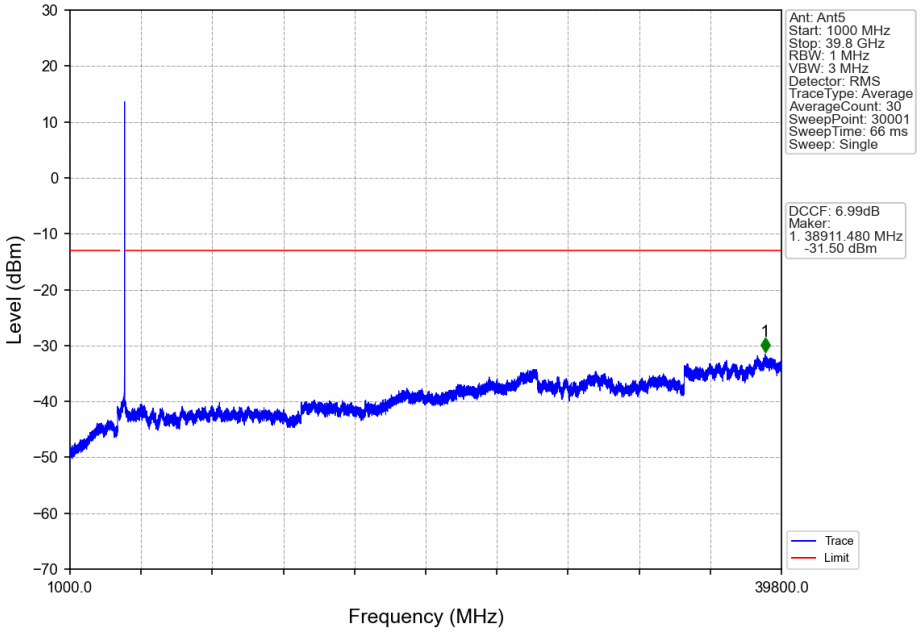
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



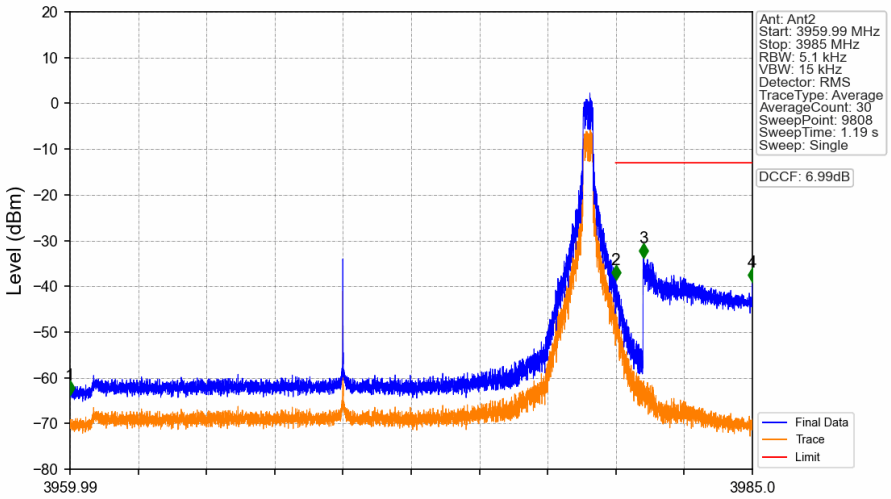
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right

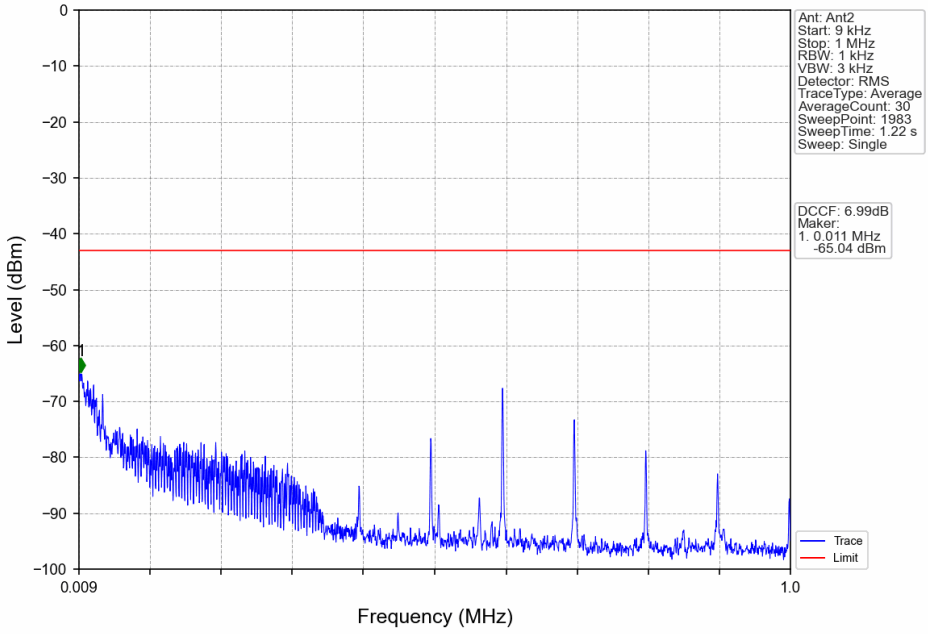


n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right

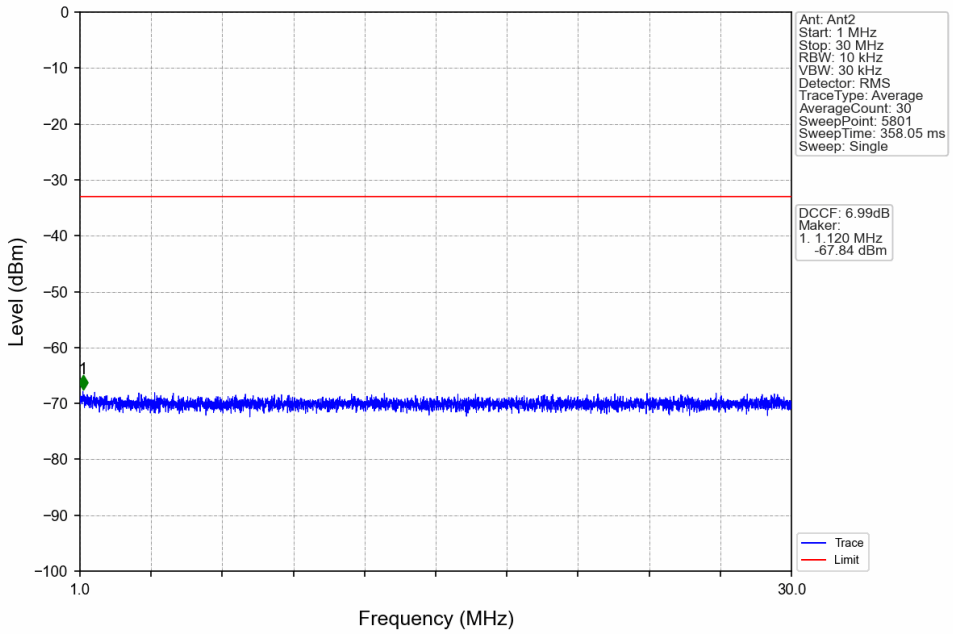


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.0051	0	1	3959.990	-63.78	-13	Pass
3979.99	3979.99	0.0051	0	/	/	/	/	/
3979.99	3980.99	0.0051	0	2	3979.991	-38.59	-13	Pass
3980.99	3984.99	0.5	19.91	3	3981.011	-33.78	-13	Pass
3984.99	3985	1	22.92	4	3985.000	-39.09	-13	Pass

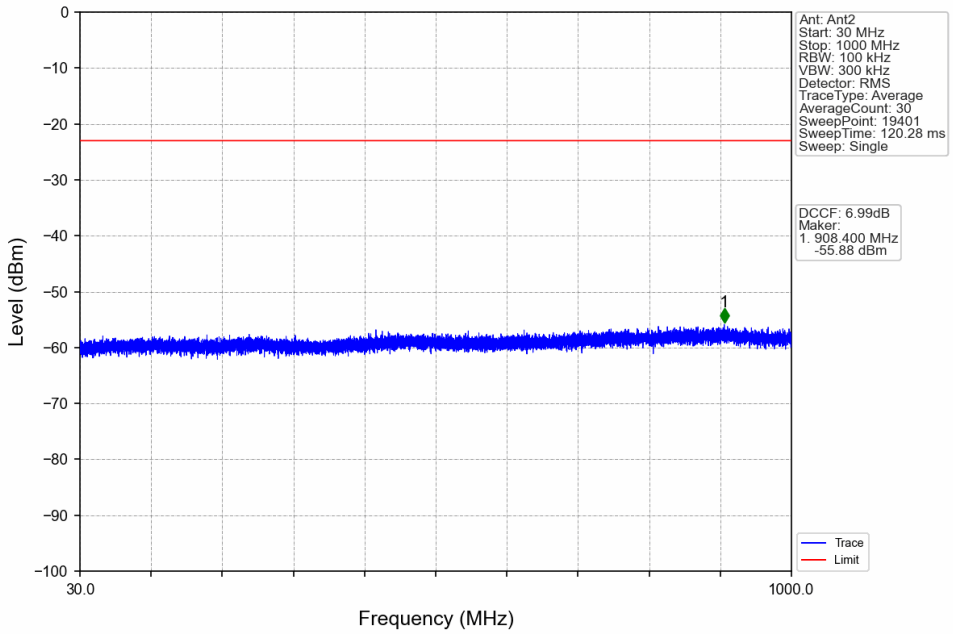
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



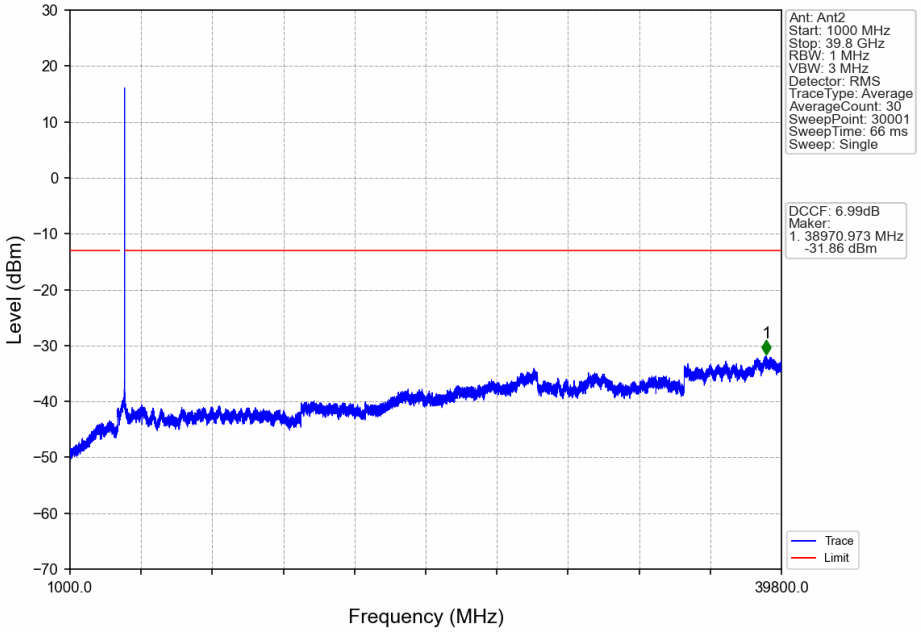
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



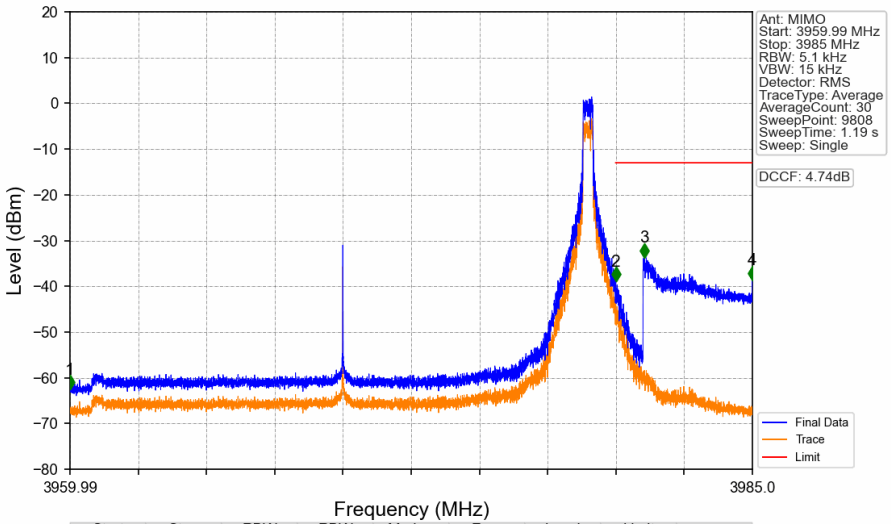
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right

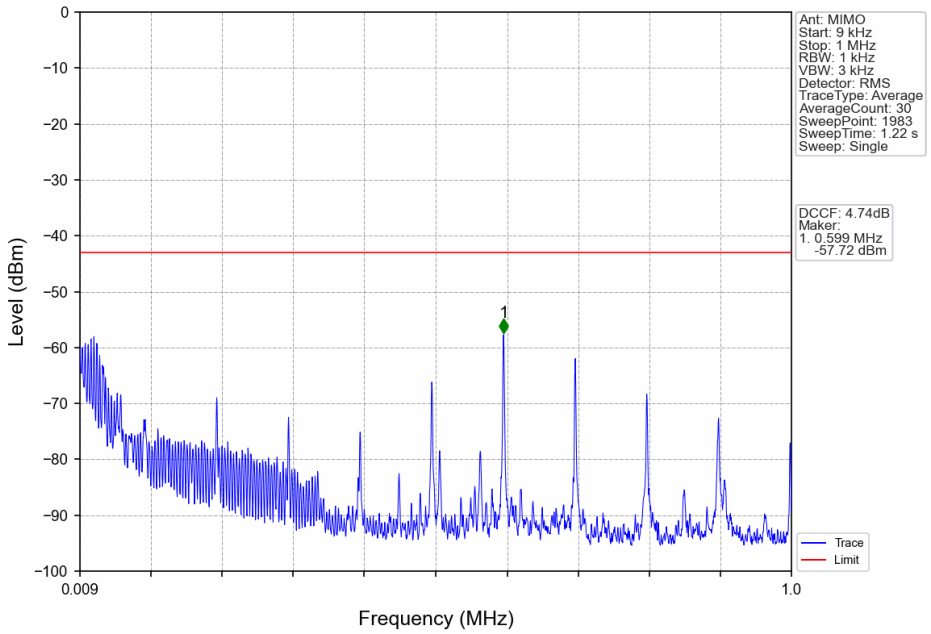


n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right

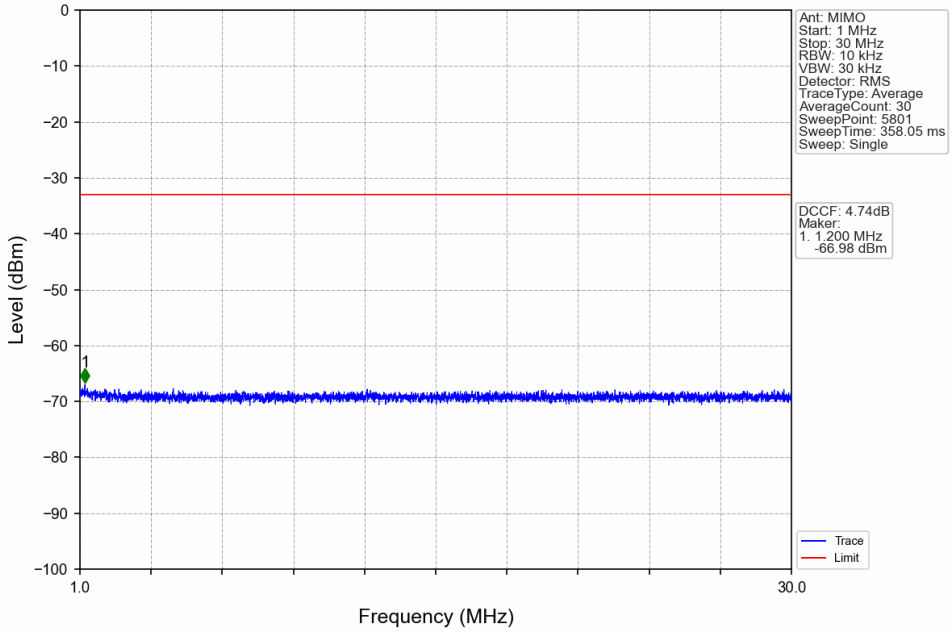


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.0051	0	1	3959.990	-62.61	-13	Pass
3979.99	3979.99	0.0051	0	/	/	/	/	/
3979.99	3980.99	0.0051	0	2	3979.991	-38.94	-13	Pass
3980.99	3984.99	0.5	19.91	3	3981.052	-33.72	-13	Pass
3984.99	3985	1	22.92	4	3985.000	-38.65	-13	Pass

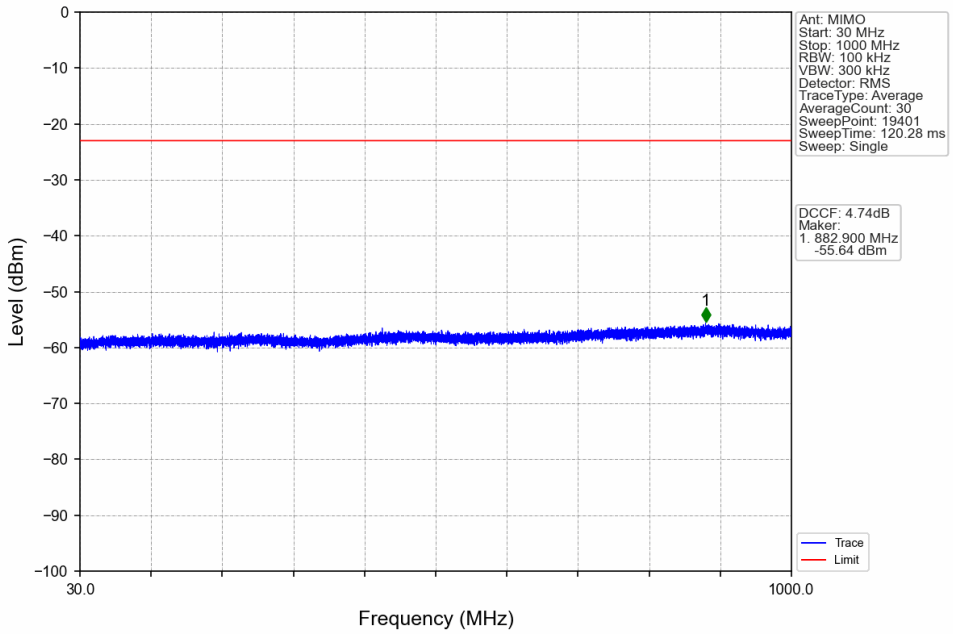
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



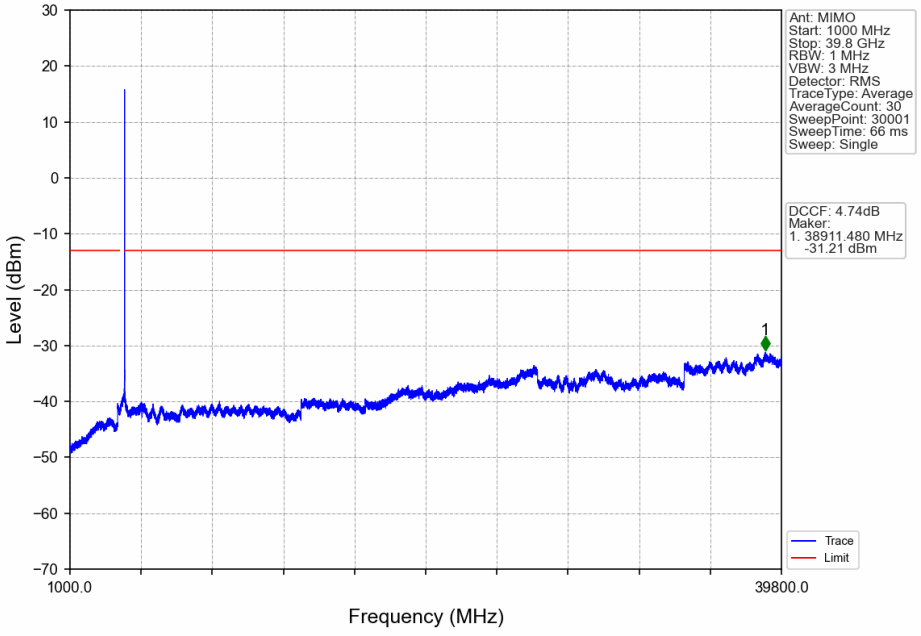
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



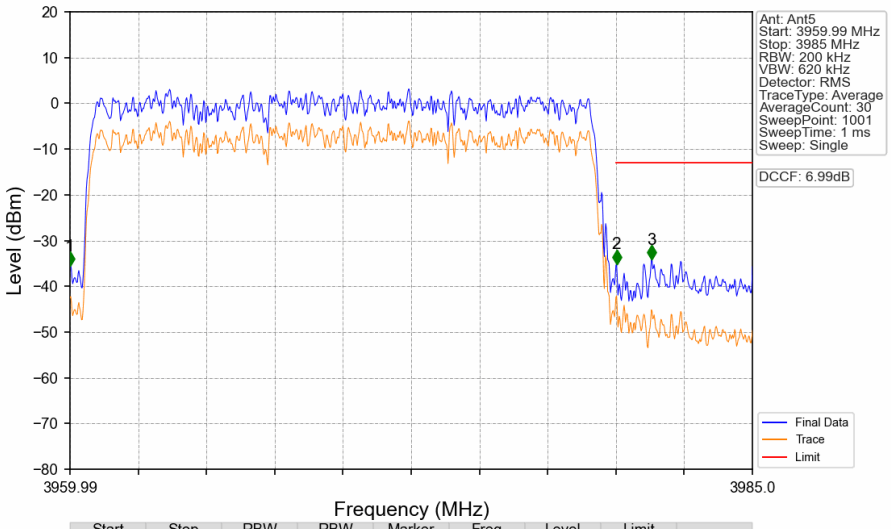
n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right



n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Edge_1RB_Right

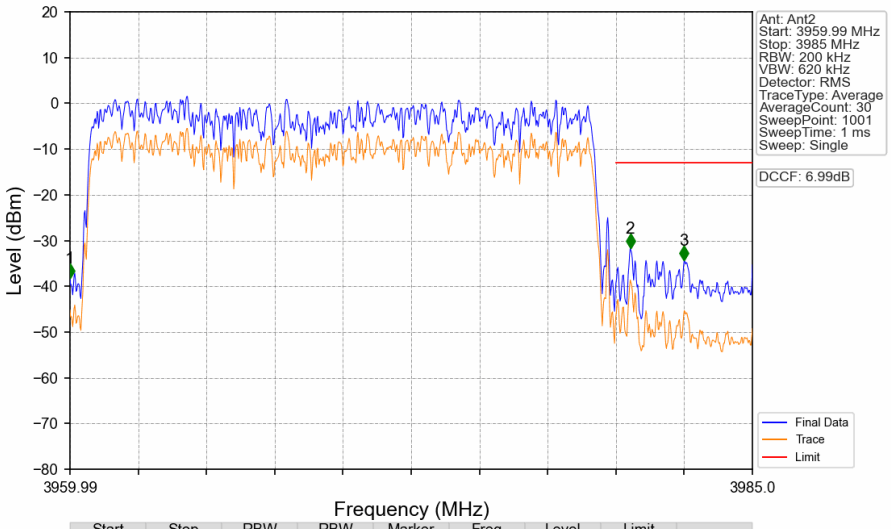


n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Outer_Full



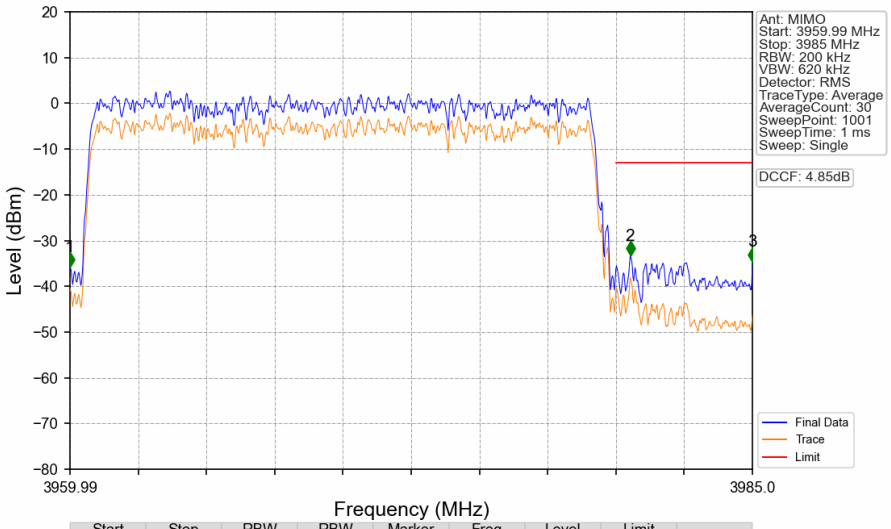
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.2	0	1	3959.990	-35.53	-13	Pass
3979.99	3979.99	0.2	0	/	/	/	/	/
3979.99	3980.99	0.2	0	2	3980.023	-35.12	-13	Pass
3980.99	3984.99	0.5	3.98	3	3981.299	-34.20	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Outer_Full



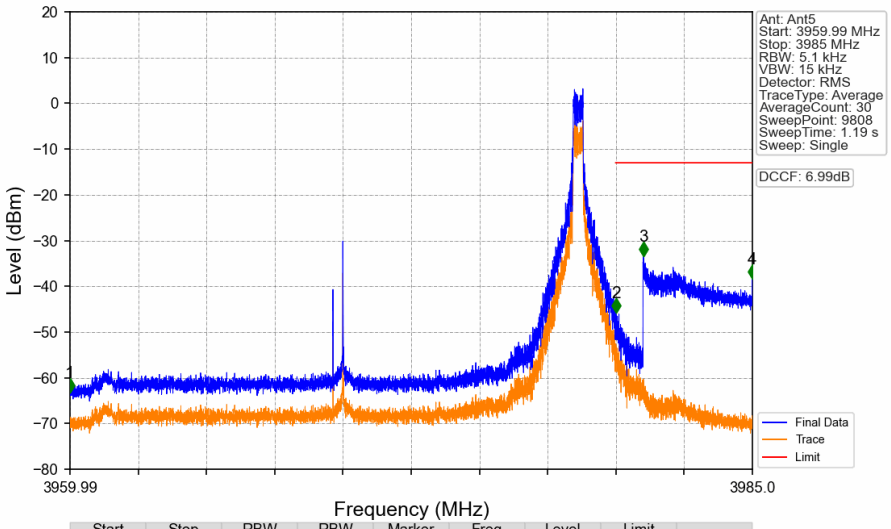
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.2	0	1	3959.990	-38.19	-13	Pass
3979.99	3979.99	0.2	0	/	/	/	/	/
3979.99	3980.99	0.2	0	2	3980.523	-31.64	-13	Pass
3980.99	3984.99	0.5	3.98	3	3982.499	-34.37	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Outer_Full



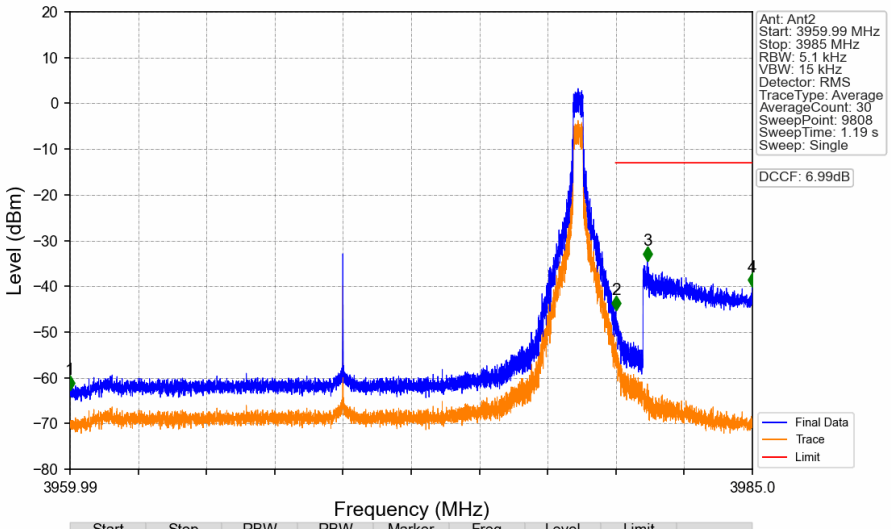
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.2	0	1	3959.990	-35.79	-13	Pass
3979.99	3979.99	0.2	0	/	/	/	/	/
3979.99	3980.99	0.2	0	2	3980.523	-33.30	-13	Pass
3980.99	3984.99	0.5	3.98	3	3985.000	-34.61	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Inner_1RB_Right



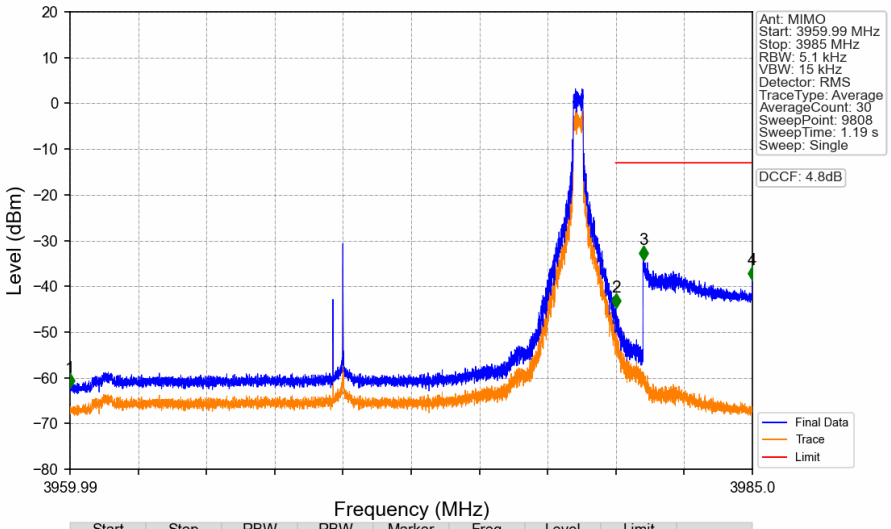
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.0051	0	1	3959.990	-63.32	-13	Pass
3979.99	3979.99	0.0051	0	/	/	/	/	/
3979.99	3980.99	0.0051	0	2	3979.996	-45.74	-13	Pass
3980.99	3984.99	0.5	19.91	3	3981.006	-33.42	-13	Pass
3984.99	3985	1	22.92	4	3984.992	-38.40	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.0051	0	1	3959.990	-62.63	-13	Pass
3979.99	3979.99	0.0051	0	/	/	/	/	/
3979.99	3980.99	0.0051	0	2	3979.996	-45.19	-13	Pass
3980.99	3984.99	0.5	19.91	3	3981.152	-34.41	-13	Pass
3984.99	3985	1	22.92	4	3984.995	-40.19	-13	Pass

n77a_30kHz_MIMO_NTNV_20MHz_CP-OFDM QPSK_3969.99MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3959.99	3979.99	0.0051	0	1	3959.990	-62.14	-13	Pass
3979.99	3979.99	0.0051	0	/	/	/	/	/
3979.99	3980.99	0.0051	0	2	3979.996	-44.63	-13	Pass
3980.99	3984.99	0.5	19.91	3	3981.006	-34.23	-13	Pass
3984.99	3985	1	22.92	4	3984.992	-38.65	-13	Pass

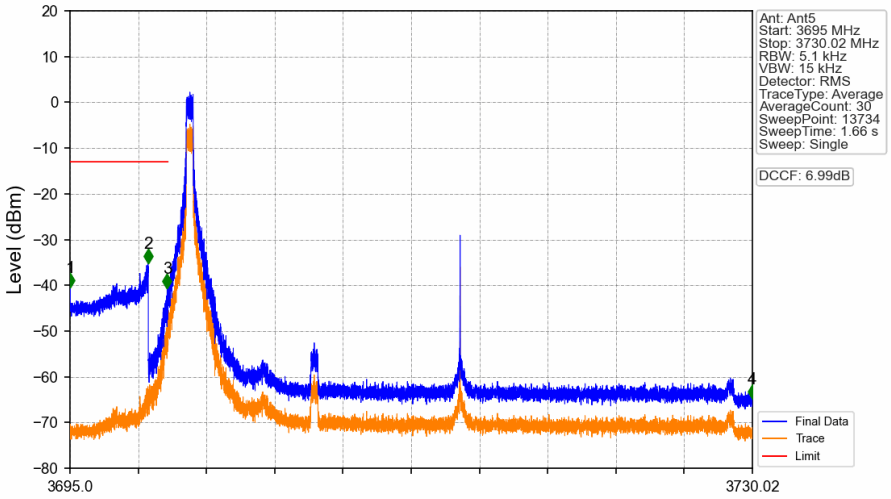
1.8 30k_MIMO_30MHz_NTNV

1.8.1 Test Result

5G NR n77a 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
	3964.98	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

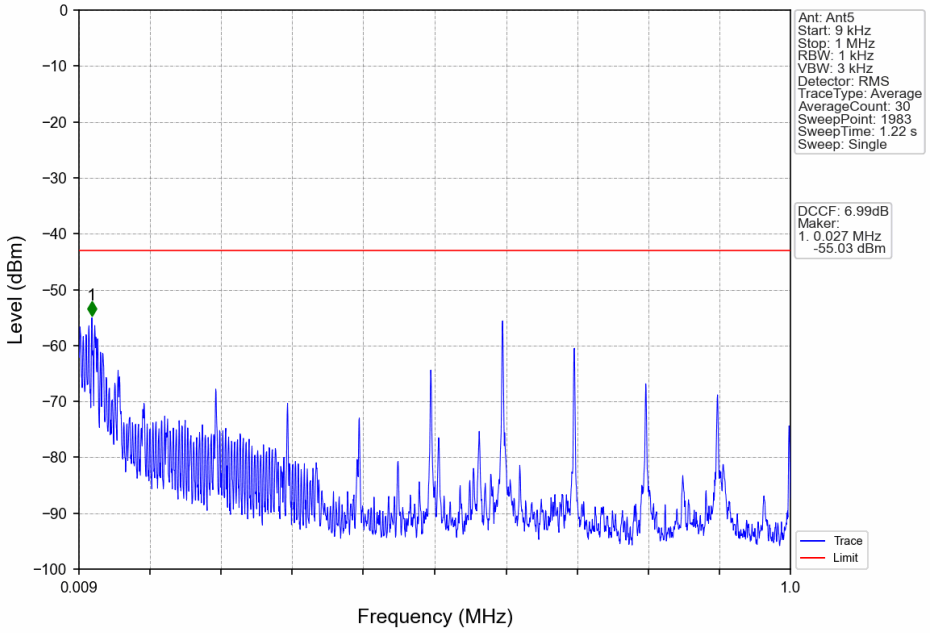
1.8.2 Test Graph

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left

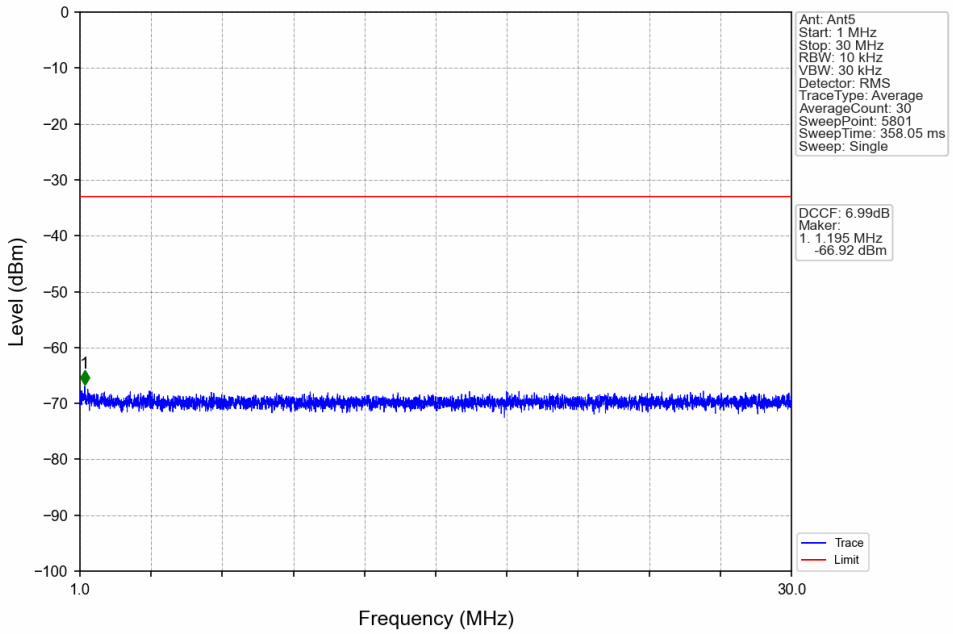


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	22.92	1	3695.005	-40.47	-13	Pass
3695.02	3699.02	0.5	19.91	2	3699.004	-35.25	-13	Pass
3699.02	3700.02	0.0051	0	3	3699.988	-40.65	-13	Pass
3700.02	3730.02	0.0051	0	4	3730.020	-64.86	-13	Pass

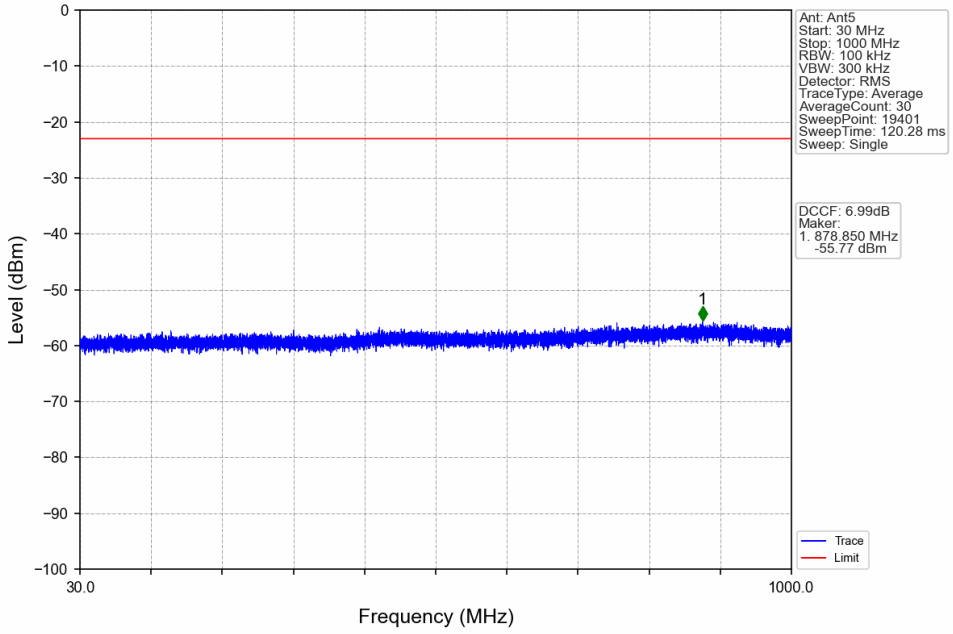
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left



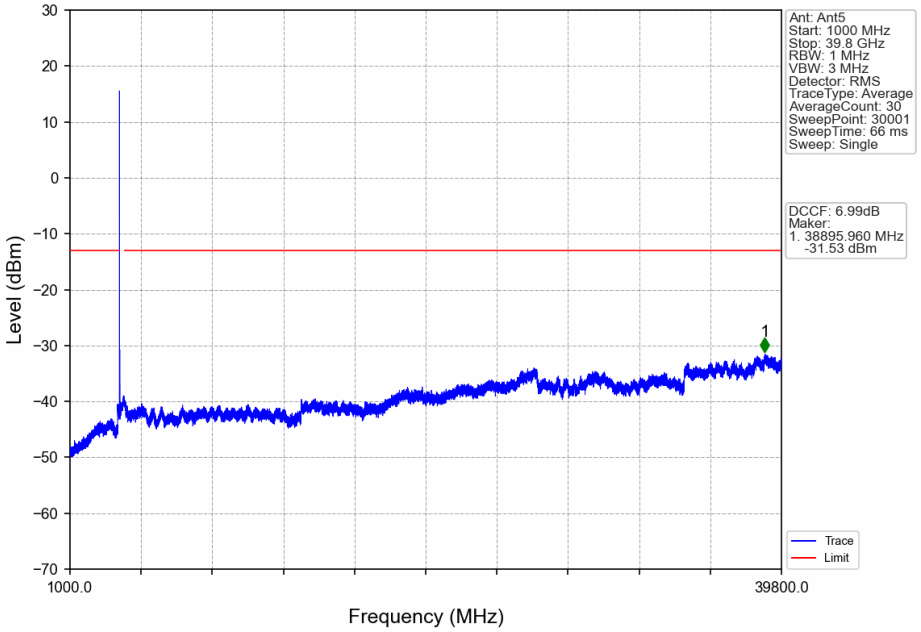
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left



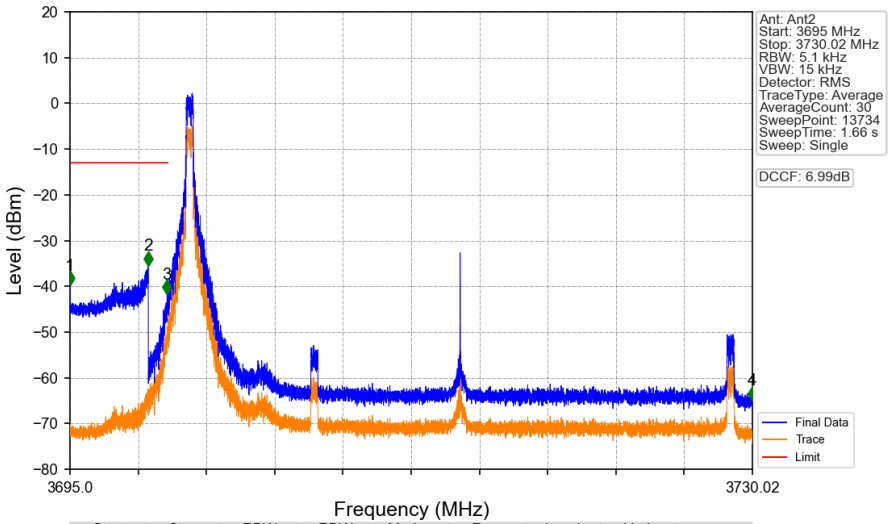
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left



n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left

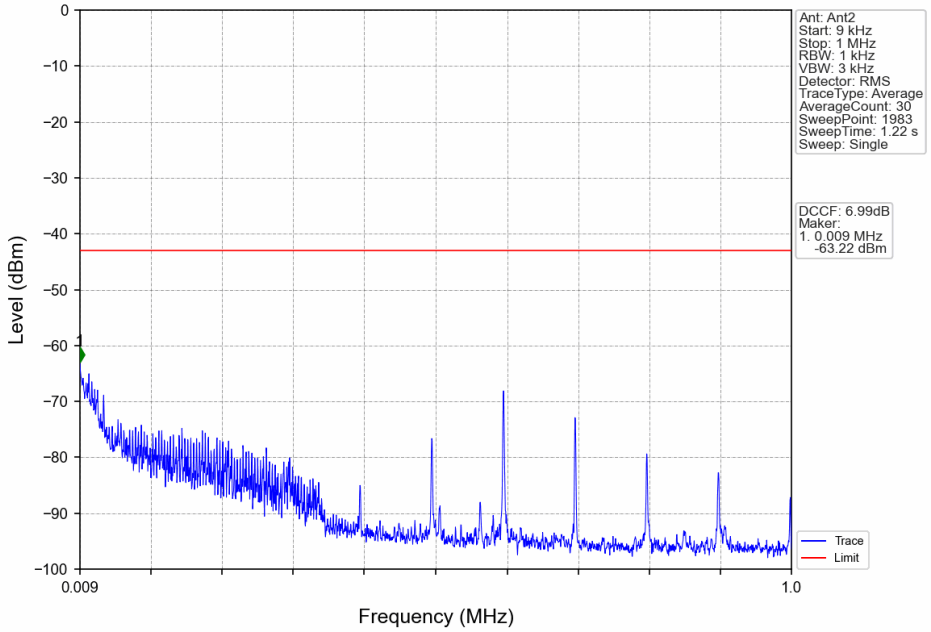


n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left

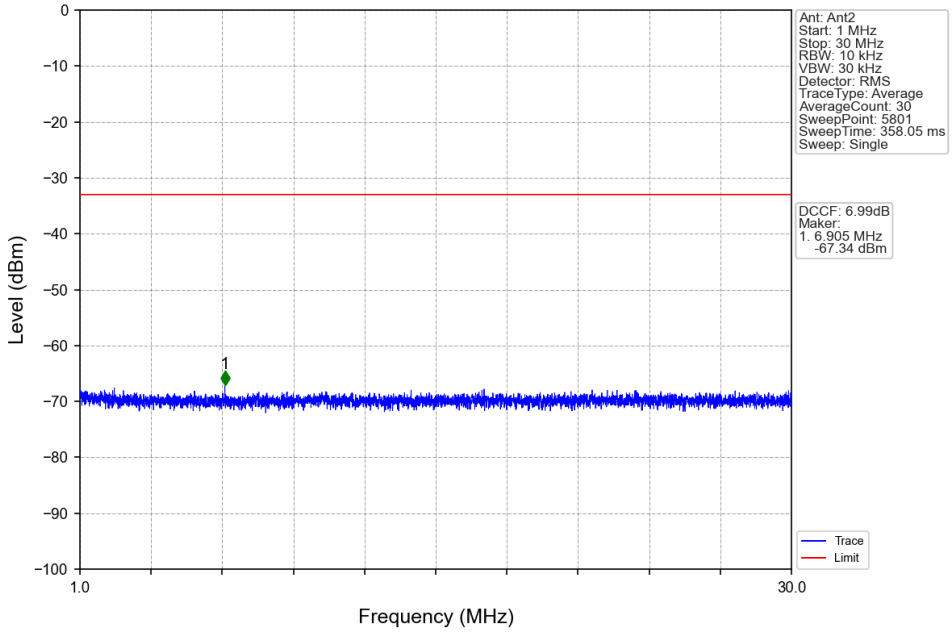


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	22.92	1	3695.000	-39.76	-13	Pass
3695.02	3699.02	0.5	19.91	2	3699.011	-35.47	-13	Pass
3699.02	3700.02	0.0051	0	3	3699.983	-41.79	-13	Pass
3700.02	3730.02	0.0051	0	4	3730.020	-64.95	-13	Pass

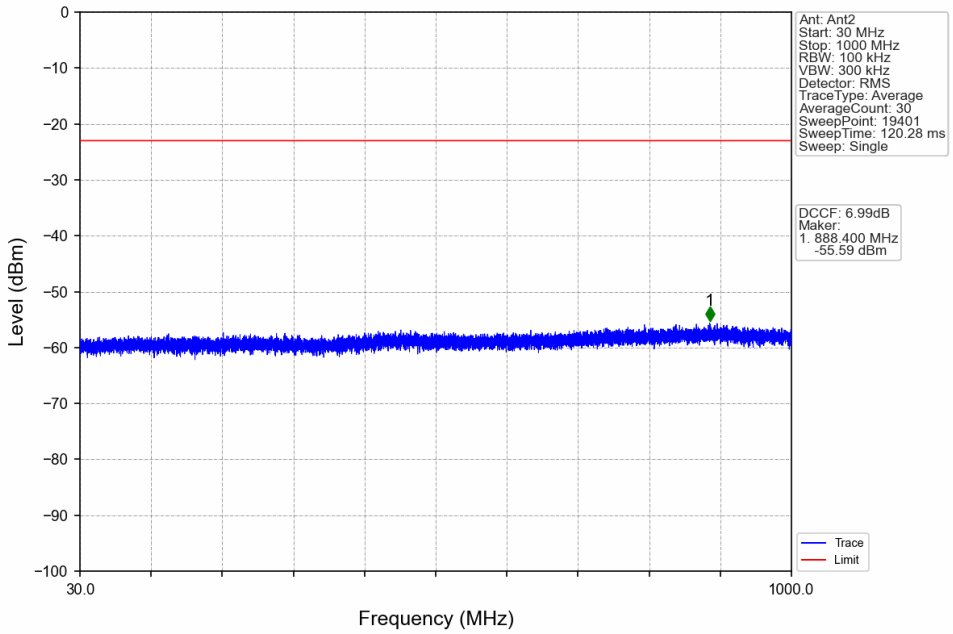
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left



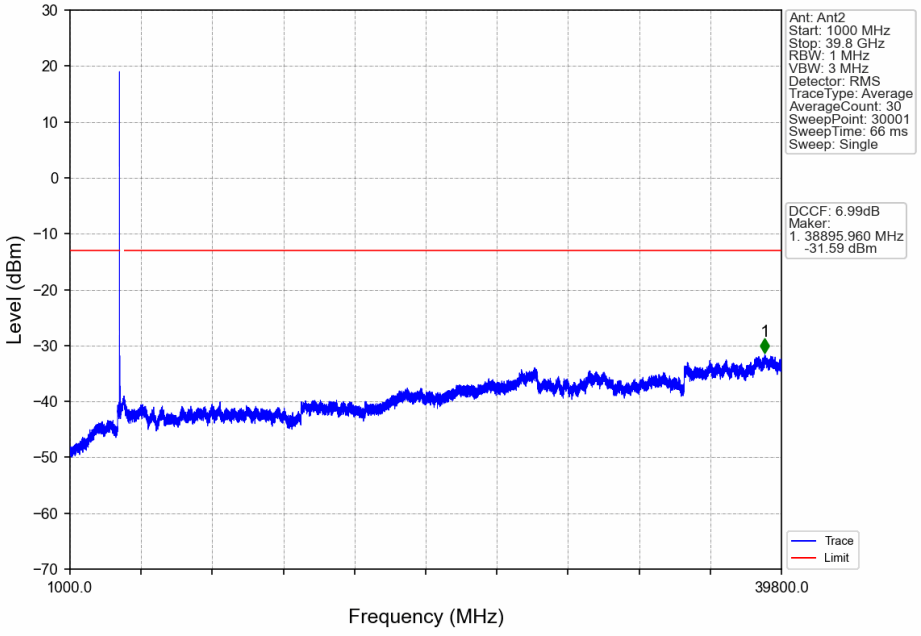
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left



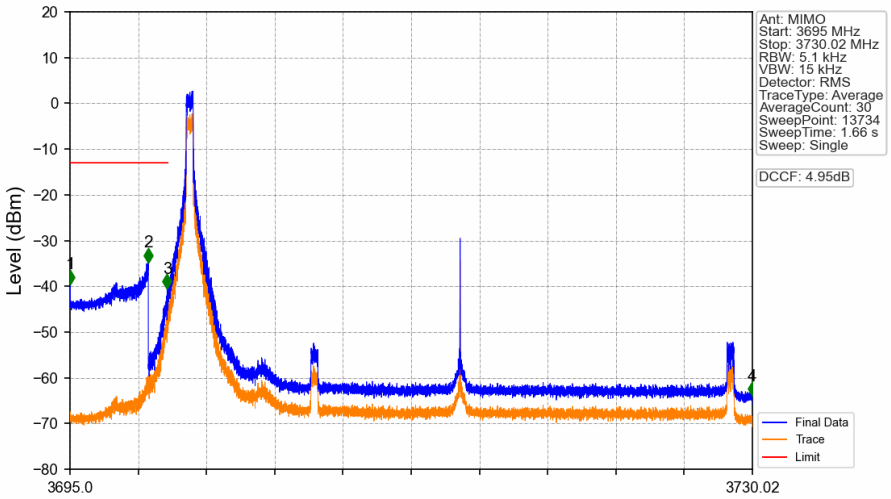
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left



n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left

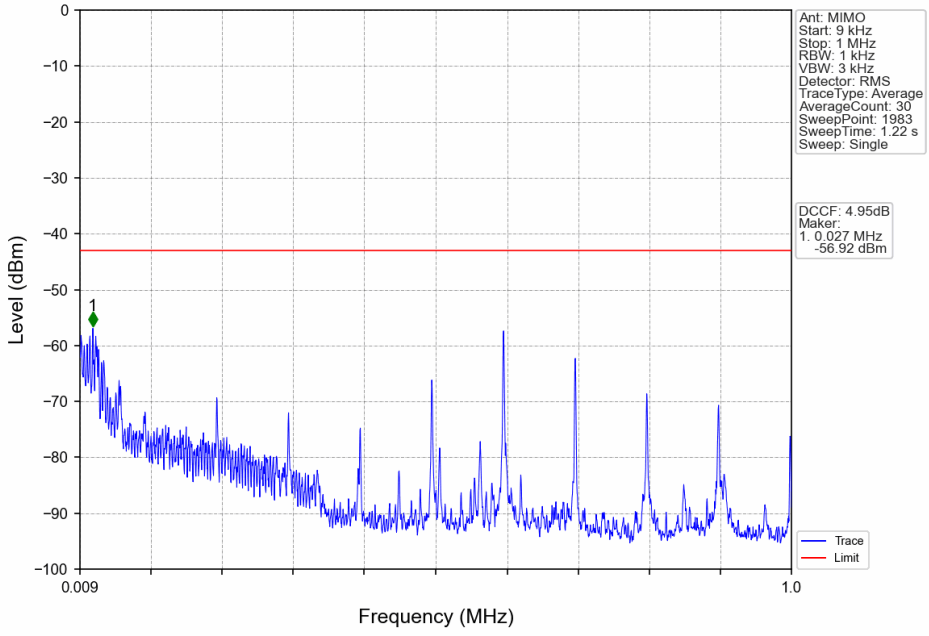


n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left

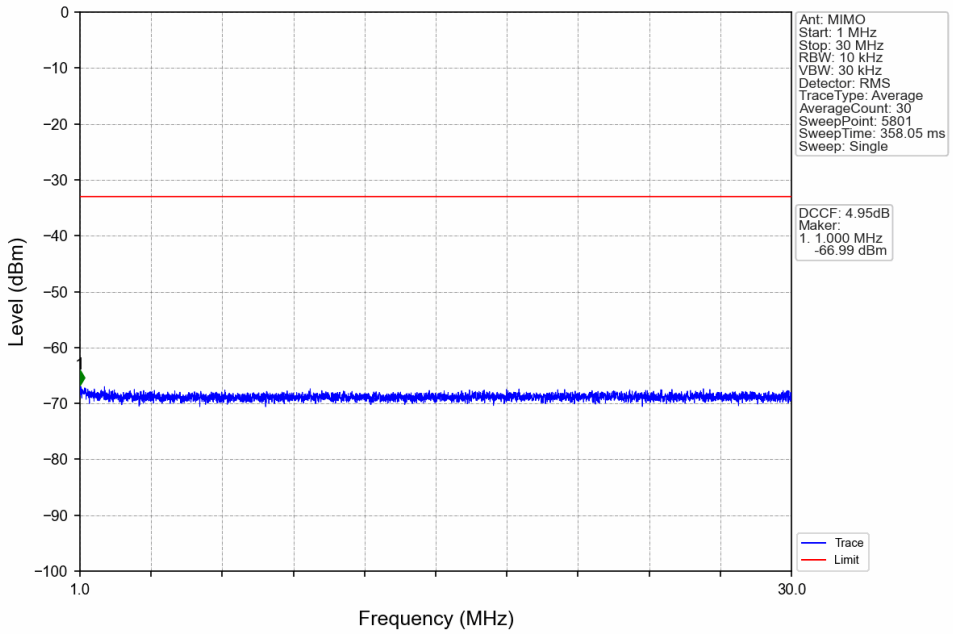


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	22.92	1	3695.005	-39.52	-13	Pass
3695.02	3699.02	0.5	19.91	2	3699.011	-34.76	-13	Pass
3699.02	3700.02	0.0051	0	3	3699.988	-40.44	-13	Pass
3700.02	3730.02	0.0051	0	4	3730.020	-63.93	-13	Pass

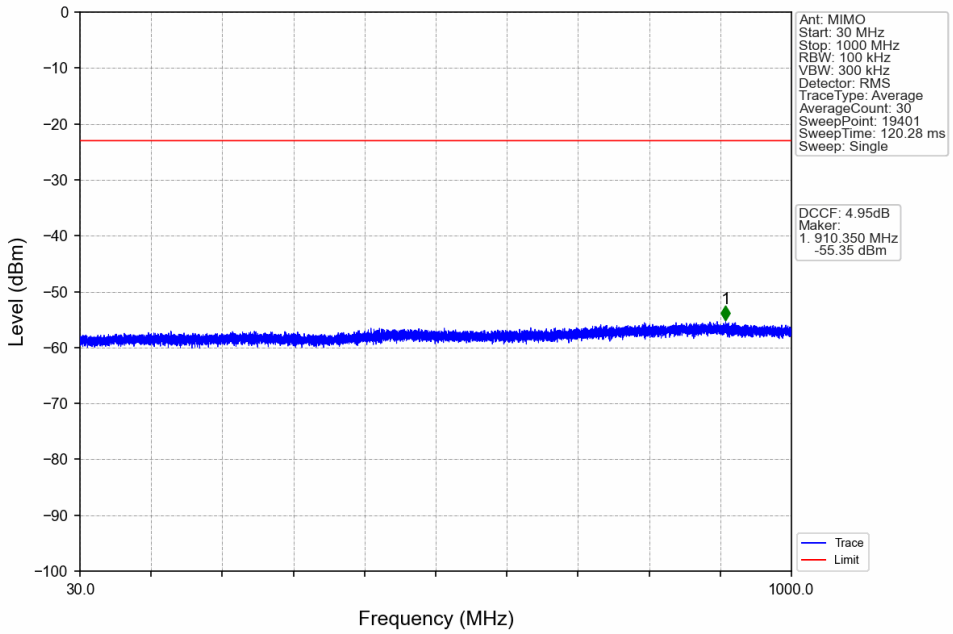
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left



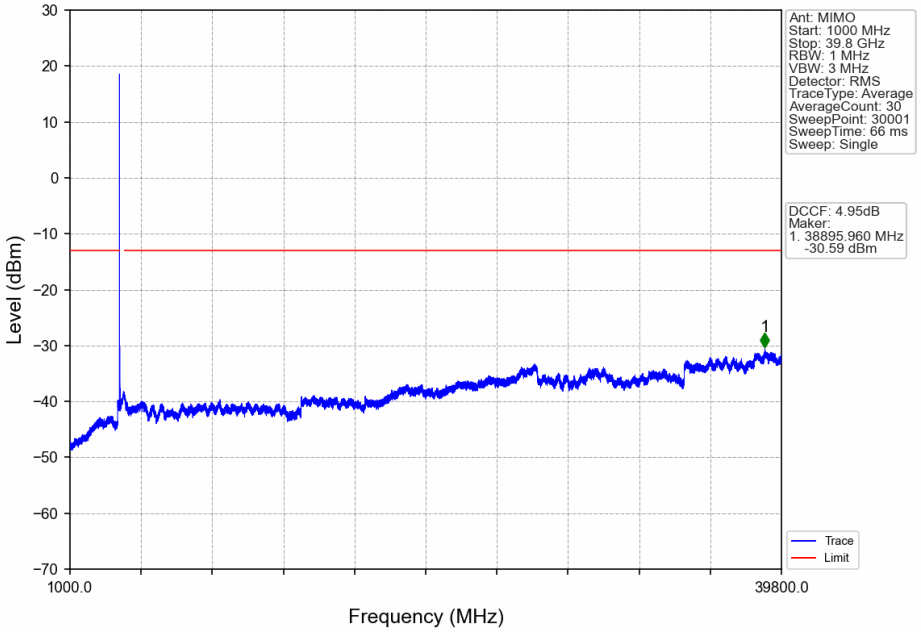
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left



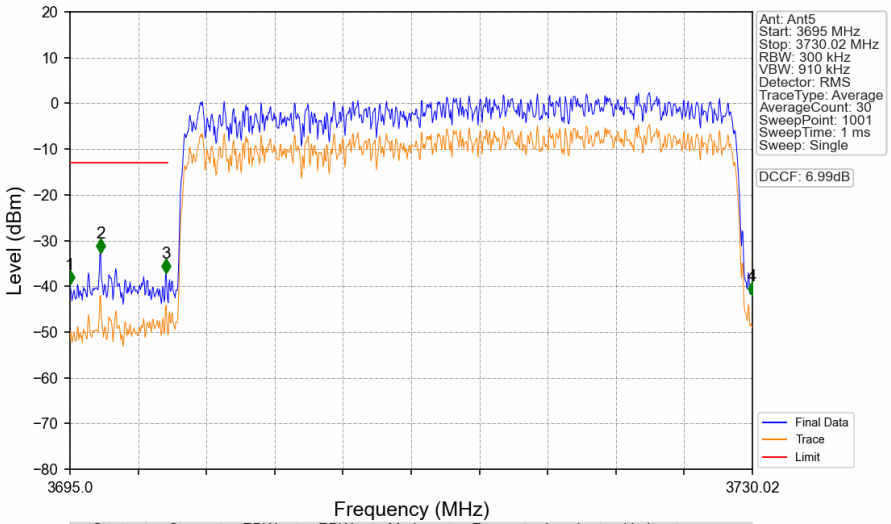
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left



n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Edge_1RB_Left

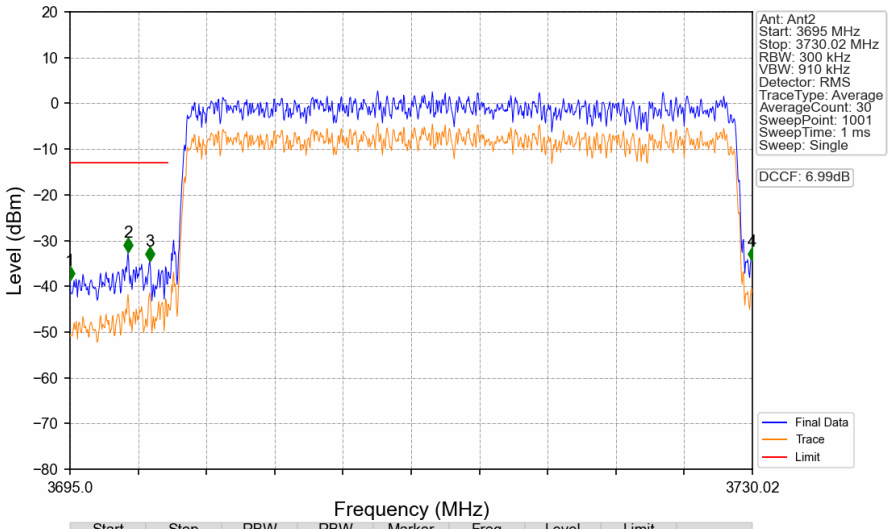


n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Outer_Full



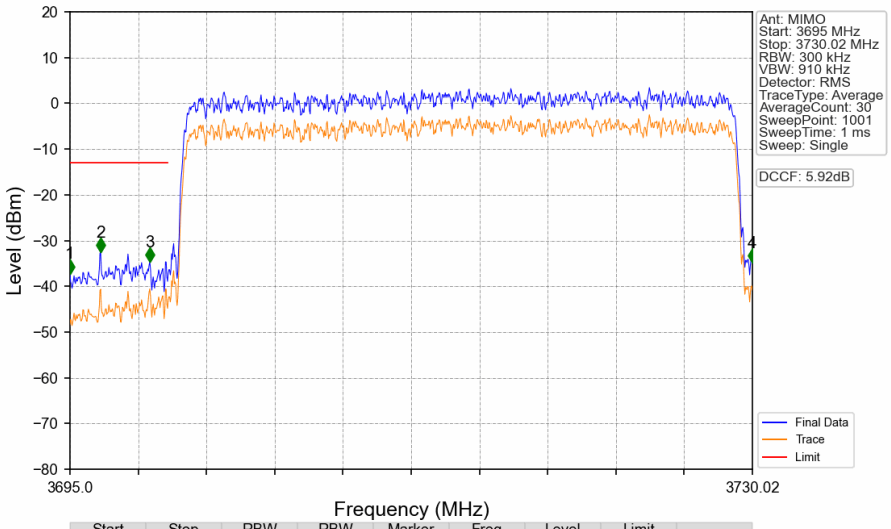
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	5.23	1	3695.000	-39.66	-13	Pass
3695.02	3699.02	0.5	2.22	2	3696.576	-32.80	-13	Pass
3699.02	3700.02	0.3	0	3	3699.938	-37.21	-13	Pass
3700.02	3730.02	0.3	0	4	3730.020	-42.12	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Outer_Full



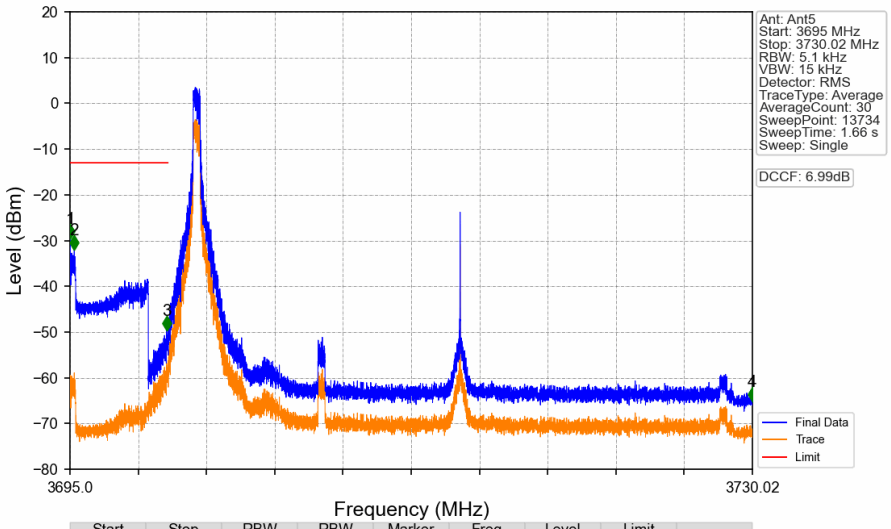
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	5.23	1	3695.000	-38.73	-13	Pass
3695.02	3699.02	0.5	2.22	2	3697.977	-32.58	-13	Pass
3699.02	3700.02	0.3	0	3	3699.097	-34.47	-13	Pass
3700.02	3730.02	0.3	0	4	3730.020	-34.54	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Outer_Full



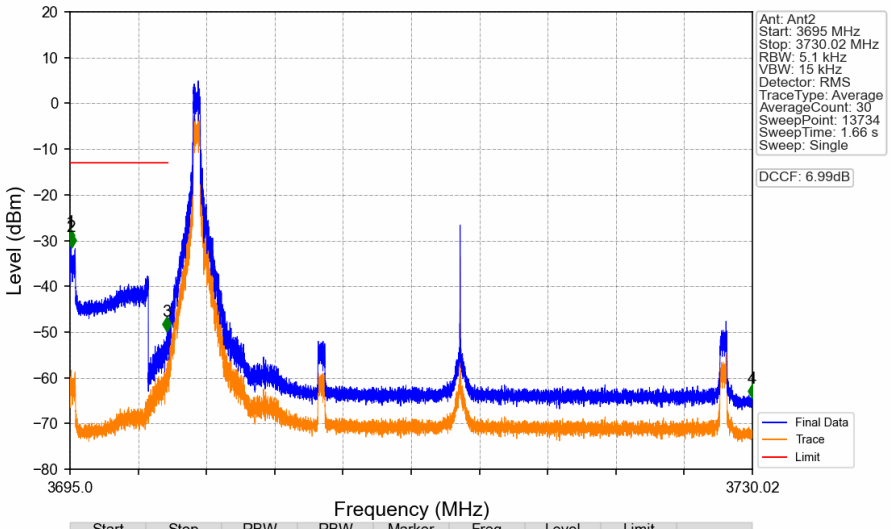
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	5.23	1	3695.000	-37.23	-13	Pass
3695.02	3699.02	0.5	2.22	2	3696.576	-32.52	-13	Pass
3699.02	3700.02	0.3	0	3	3699.097	-34.62	-13	Pass
3700.02	3730.02	0.3	0	4	3730.020	-34.91	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Inner_1RB_Left



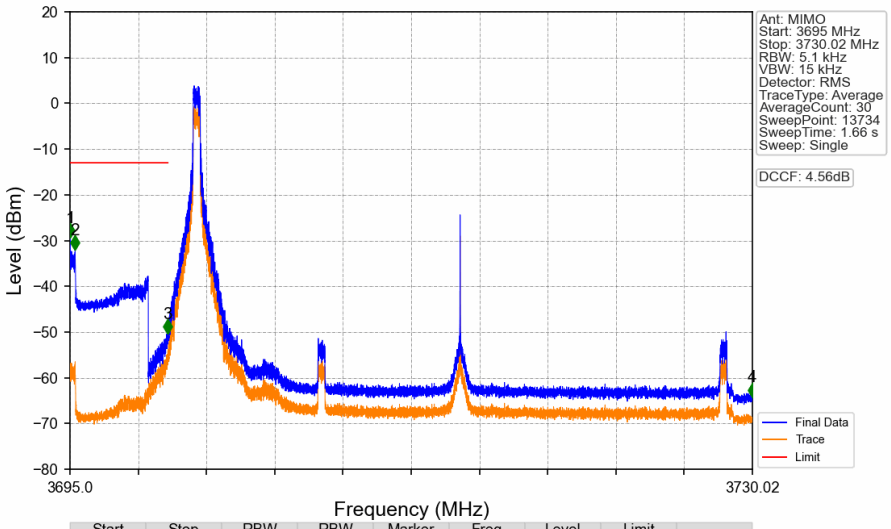
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	22.92	1	3695.010	-29.56	-13	Pass
3695.02	3699.02	0.5	19.91	2	3695.219	-31.98	-13	Pass
3699.02	3700.02	0.0051	0	3	3699.955	-49.73	-13	Pass
3700.02	3730.02	0.0051	0	4	3730.020	-65.19	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Inner_1RB_Left



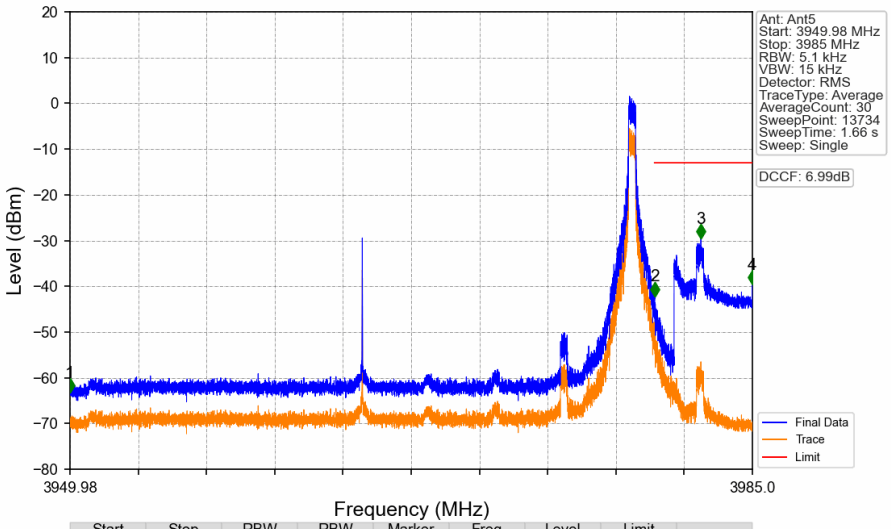
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	22.92	1	3695.010	-30.38	-13	Pass
3695.02	3699.02	0.5	19.91	2	3695.064	-31.43	-13	Pass
3699.02	3700.02	0.0051	0	3	3699.985	-49.80	-13	Pass
3700.02	3730.02	0.0051	0	4	3730.020	-64.45	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3715.02MHz_Inner_1RB_Left



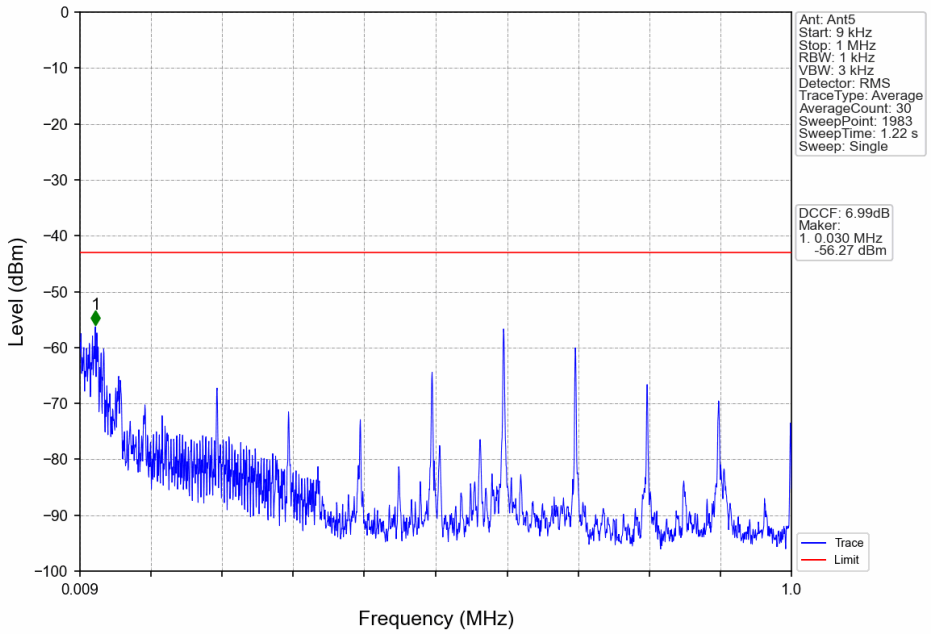
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	22.92	1	3695.010	-29.37	-13	Pass
3695.02	3699.02	0.5	19.91	2	3695.265	-32.03	-13	Pass
3699.02	3700.02	0.0051	0	3	3699.998	-50.34	-13	Pass
3700.02	3730.02	0.0051	0	4	3730.020	-64.22	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right

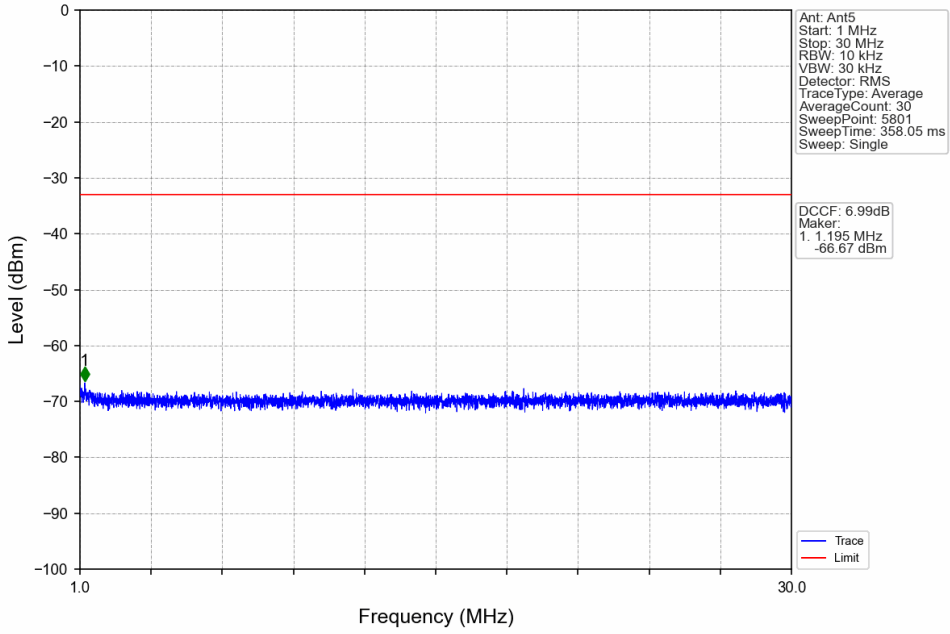


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.98	3979.98	0.0051	0	1	3949.980	-63.31	-13	Pass
3979.98	3979.98	0.0051	0	/	/	/	/	/
3979.98	3980.98	0.0051	0	2	3979.984	-42.19	-13	Pass
3980.98	3984.98	0.5	19.91	3	3982.356	-29.60	-13	Pass
3984.98	3985	1	22.92	4	3984.995	-39.69	-13	Pass

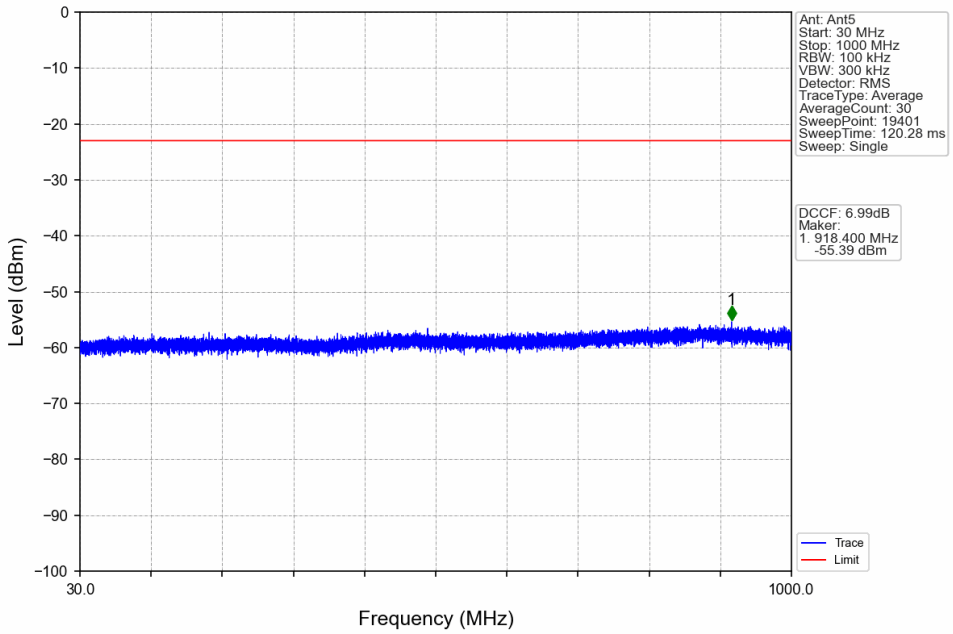
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right



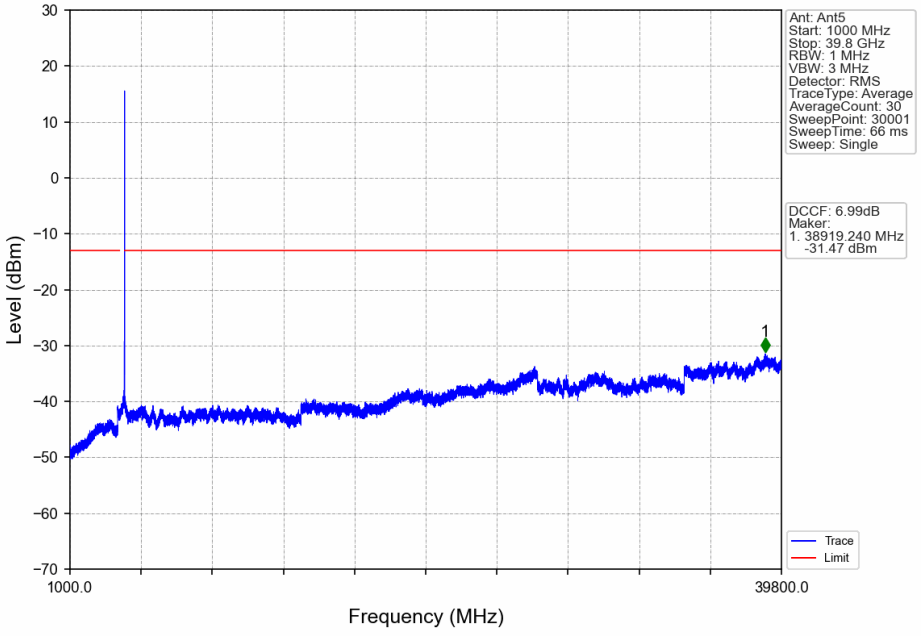
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right



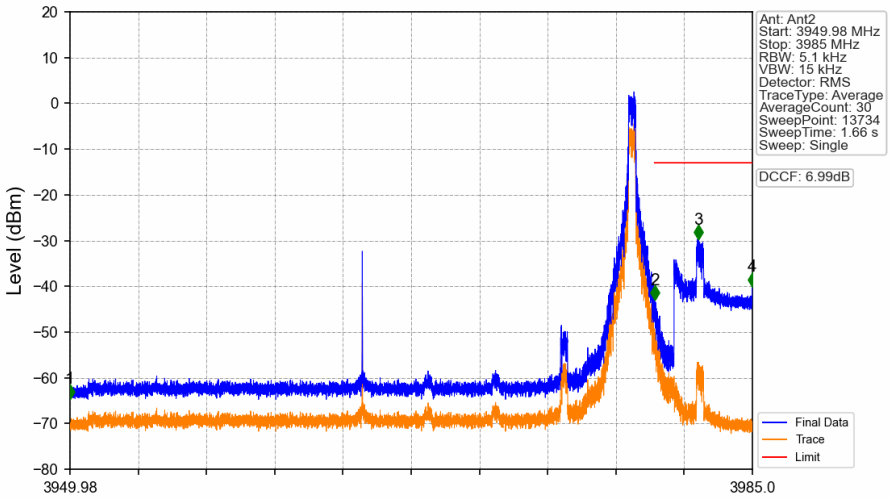
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right



n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right

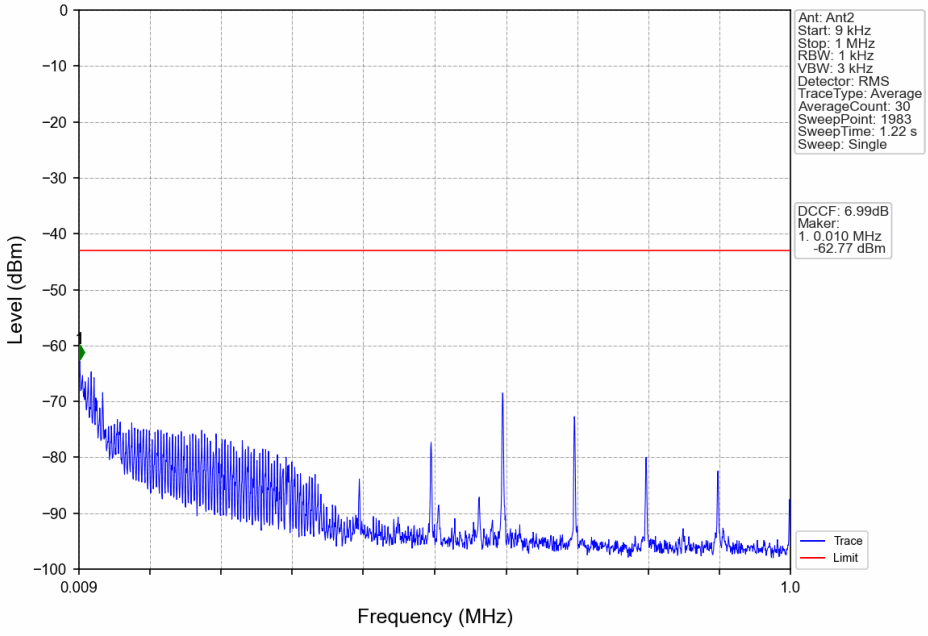


n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right

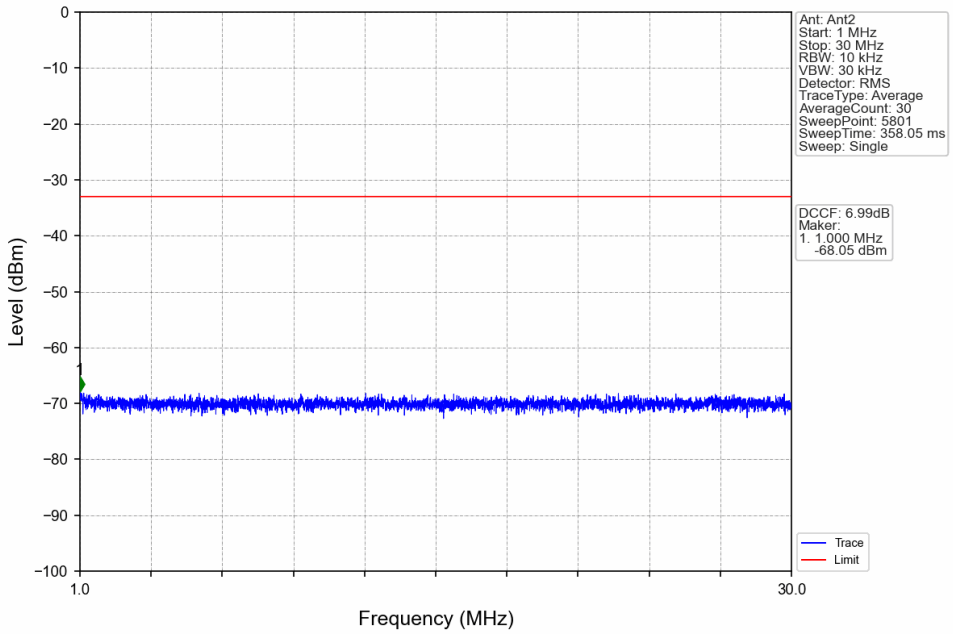


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.98	3979.98	0.0051	0	1	3949.980	-64.56	-13	Pass
3979.98	3979.98	0.0051	0	/	/	/	/	/
3979.98	3980.98	0.0051	0	2	3979.981	-42.96	-13	Pass
3980.98	3984.98	0.5	19.91	3	3982.238	-29.74	-13	Pass
3984.98	3985	1	22.92	4	3984.985	-40.07	-13	Pass

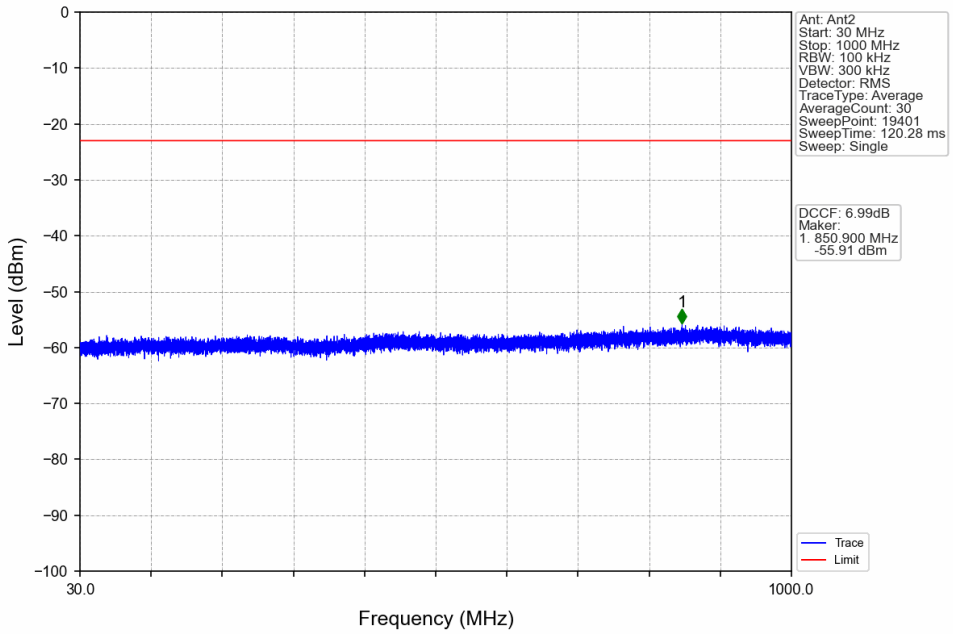
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right



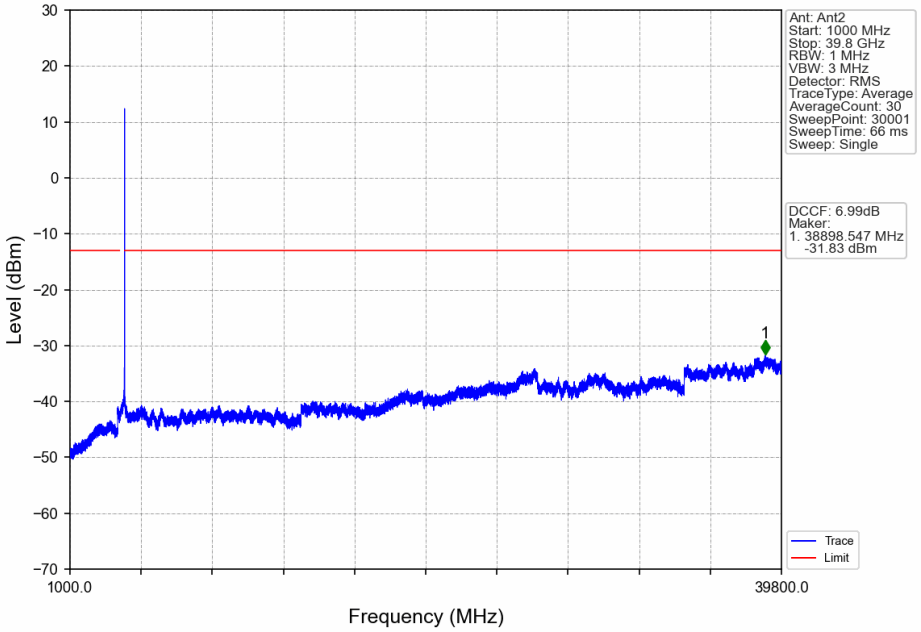
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right



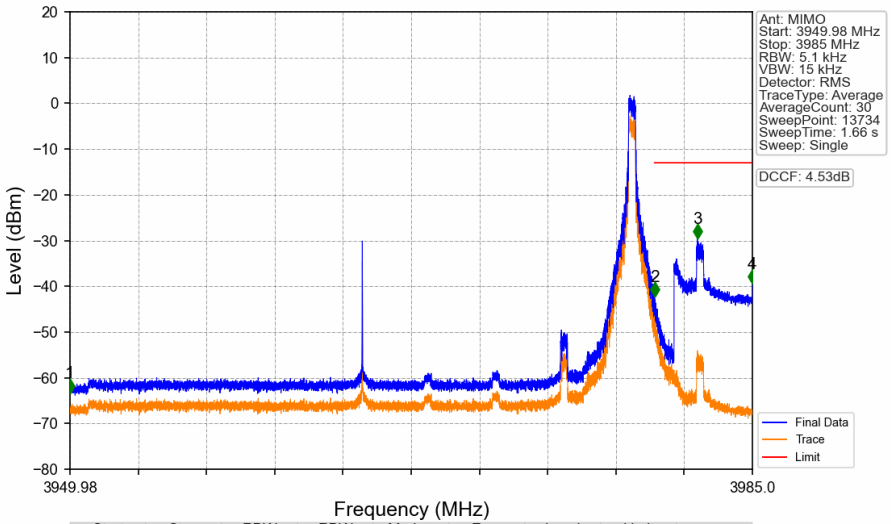
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right



n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right

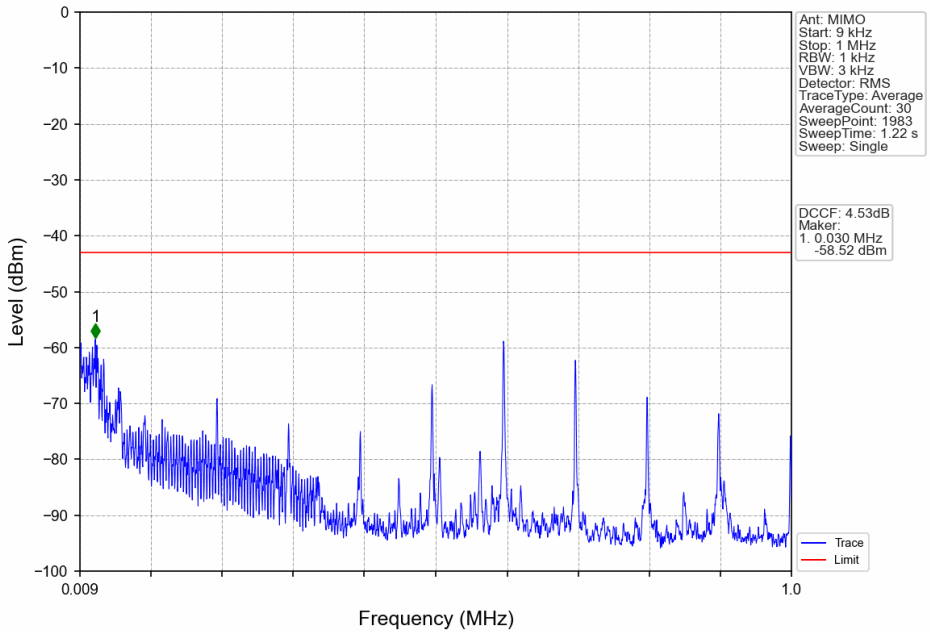


n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right

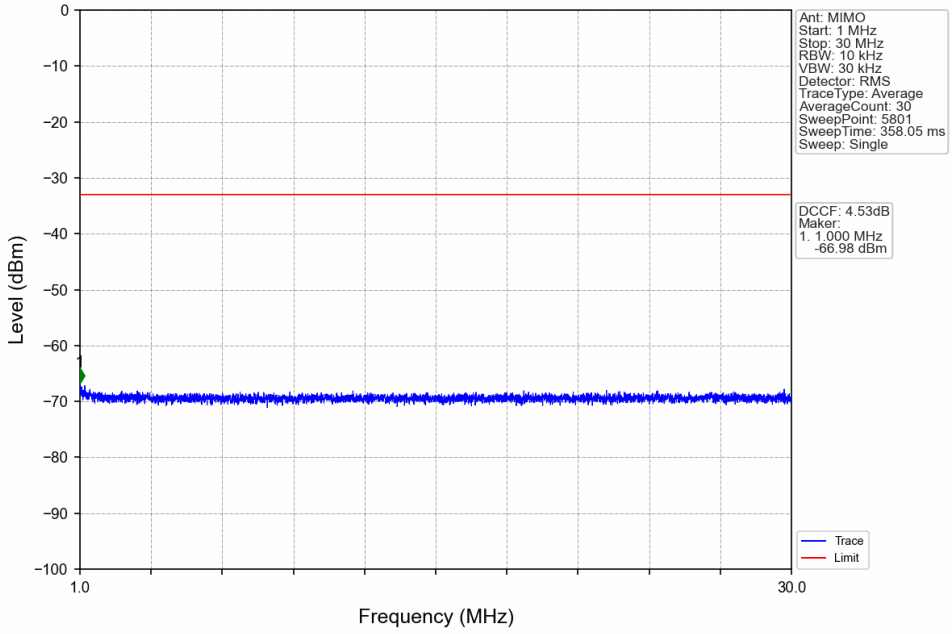


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.98	3979.98	0.0051	0	1	3949.980	-63.34	-13	Pass
3979.98	3979.98	0.0051	0	/	/	/	/	/
3979.98	3980.98	0.0051	0	2	3979.981	-42.34	-13	Pass
3980.98	3984.98	0.5	19.91	3	3982.177	-29.61	-13	Pass
3984.98	3985	1	22.92	4	3984.985	-39.51	-13	Pass

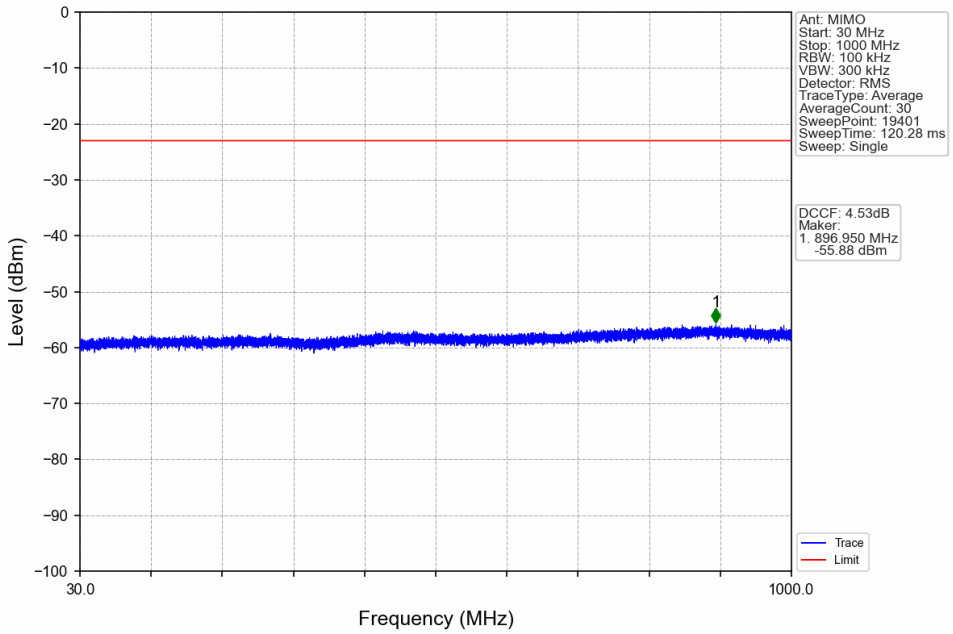
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right



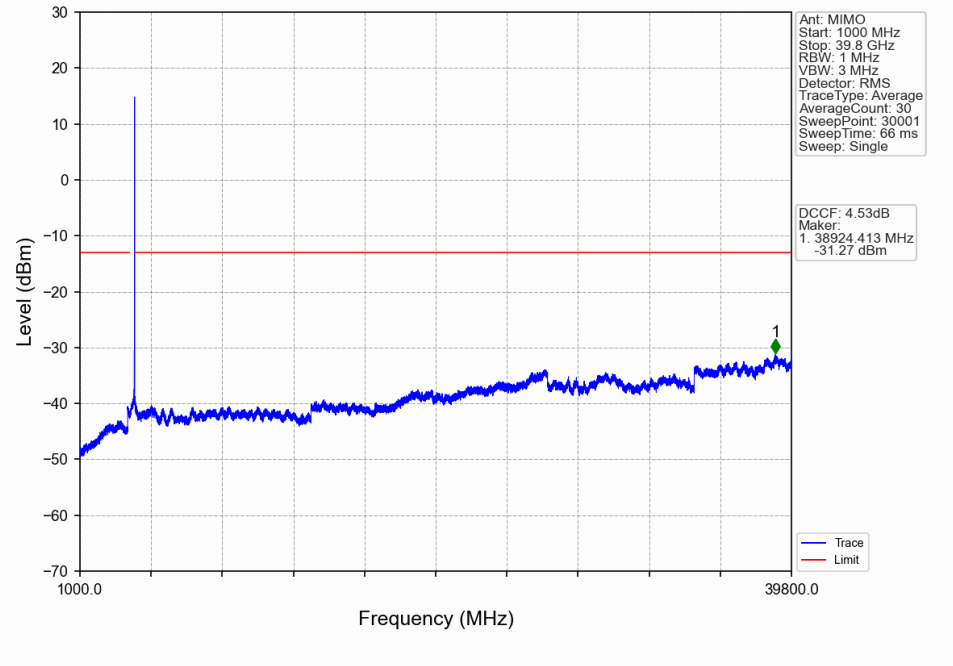
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right



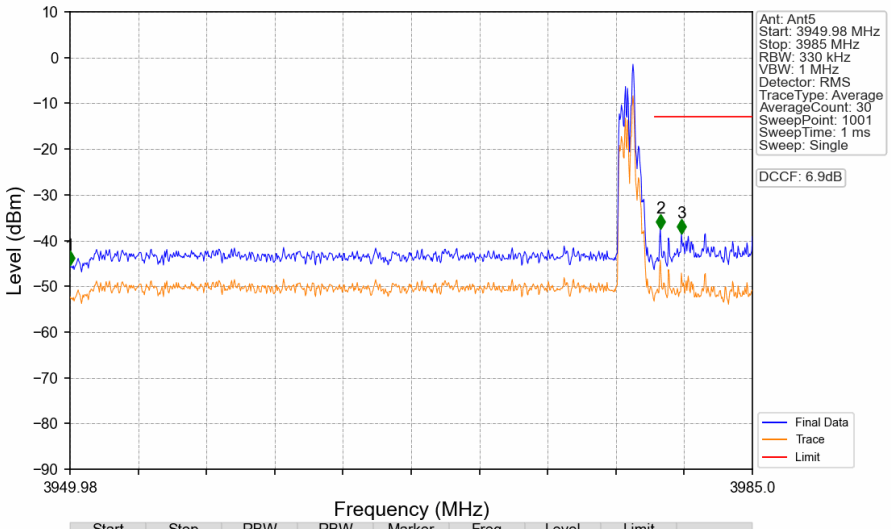
n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right



n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Edge_1RB_Right

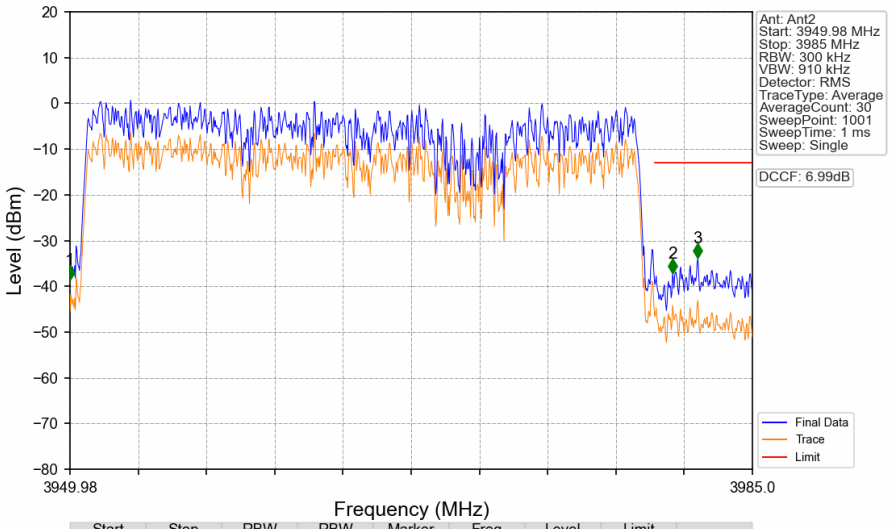


n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Outer_Full



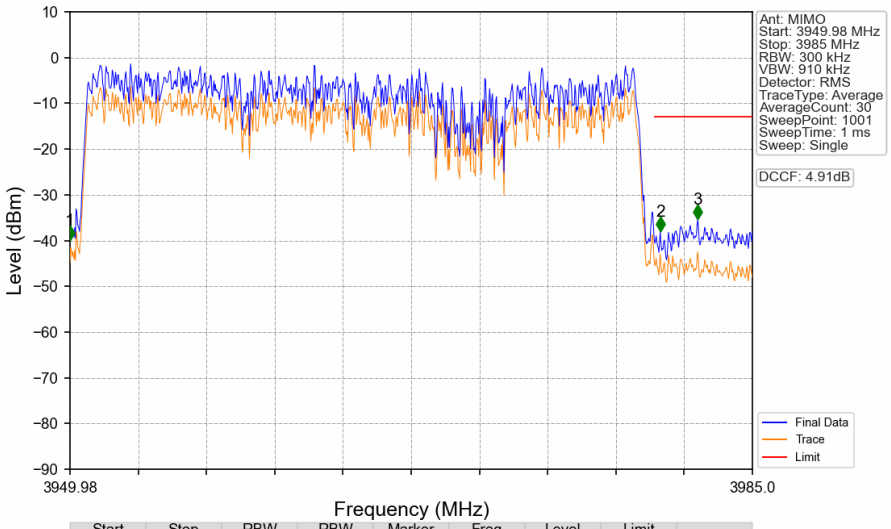
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.98	3979.98	0.33	0	1	3949.980	-45.38	-13	Pass
3979.98	3979.98	0.33	0	/	/	/	/	/
3979.98	3980.98	0.33	0	2	3980.272	-37.38	-13	Pass
3980.98	3984.98	0.5	1.8	3	3981.358	-38.42	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Outer_Full



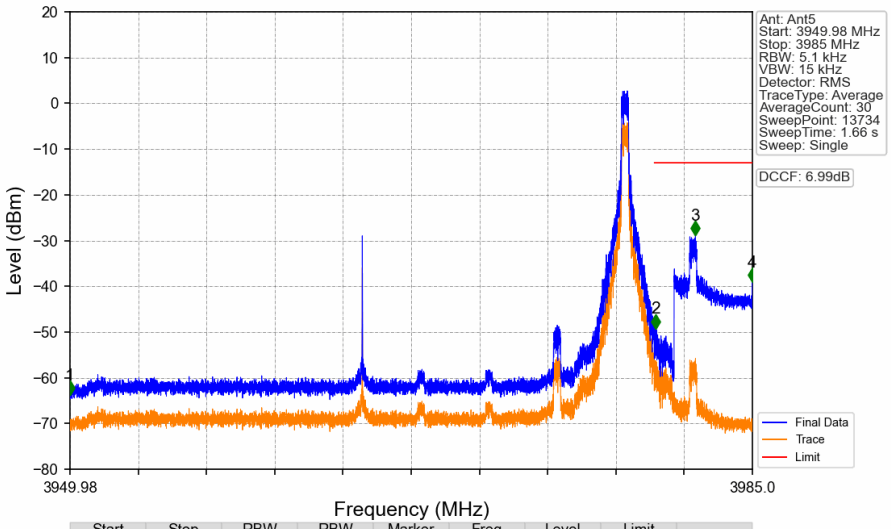
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.98	3979.98	0.3	0	1	3949.980	-38.63	-13	Pass
3979.98	3979.98	0.3	0	/	/	/	/	/
3979.98	3980.98	0.3	0	2	3980.903	-37.17	-13	Pass
3980.98	3984.98	0.5	2.22	3	3982.198	-33.83	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Outer_Full



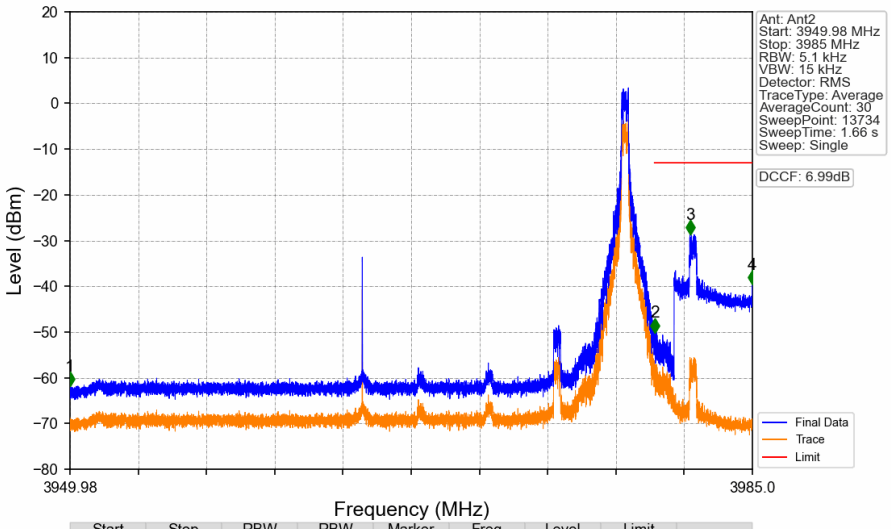
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.98	3979.98	0.3	0	1	3949.980	-39.86	-13	Pass
3979.98	3979.98	0.3	0	/	/	/	/	/
3979.98	3980.98	0.3	0	2	3980.272	-38.05	-13	Pass
3980.98	3984.98	0.5	2.22	3	3982.198	-35.35	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Inner_1RB_Right



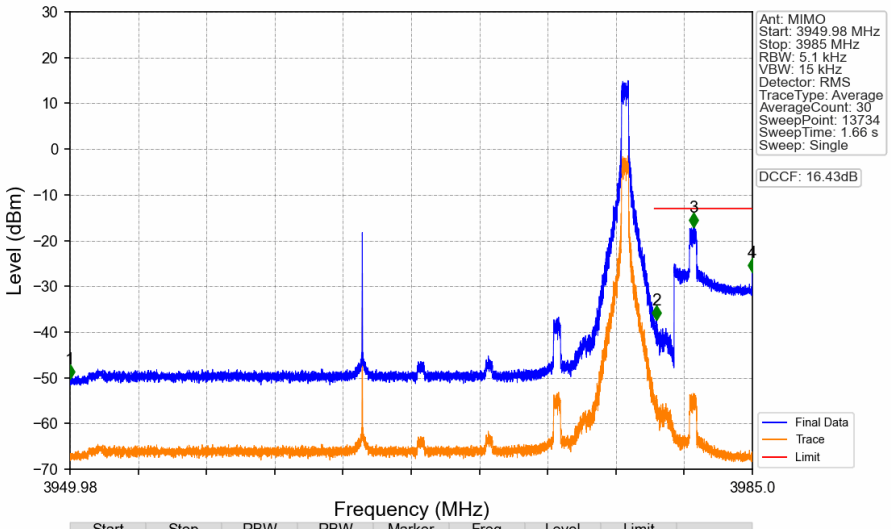
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.98	3979.98	0.0051	0	1	3949.980	-63.79	-13	Pass
3979.98	3979.98	0.0051	0	/	/	/	/	/
3979.98	3980.98	0.0051	0	2	3980.030	-49.23	-13	Pass
3980.98	3984.98	0.5	19.91	3	3982.078	-28.89	-13	Pass
3984.98	3985	1	22.92	4	3984.992	-39.16	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.98	3979.98	0.0051	0	1	3949.980	-61.78	-13	Pass
3979.98	3979.98	0.0051	0	/	/	/	/	/
3979.98	3980.98	0.0051	0	2	3979.989	-50.10	-13	Pass
3980.98	3984.98	0.5	19.91	3	3981.797	-28.64	-13	Pass
3984.98	3985	1	22.92	4	3984.985	-39.62	-13	Pass

n77a_30kHz_MIMO_NTNV_30MHz_CP-OFDM QPSK_3964.98MHz_Inner_1RB_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3949.98	3979.98	0.0051	0	1	3949.980	-50.22	-13	Pass
3979.98	3979.98	0.0051	0	/	/	/	/	/
3979.98	3980.98	0.0051	0	2	3980.076	-37.38	-13	Pass
3980.98	3984.98	0.5	19.91	3	3981.971	-17.06	-13	Pass
3984.98	3985	1	22.92	4	3984.985	-27.03	-13	Pass

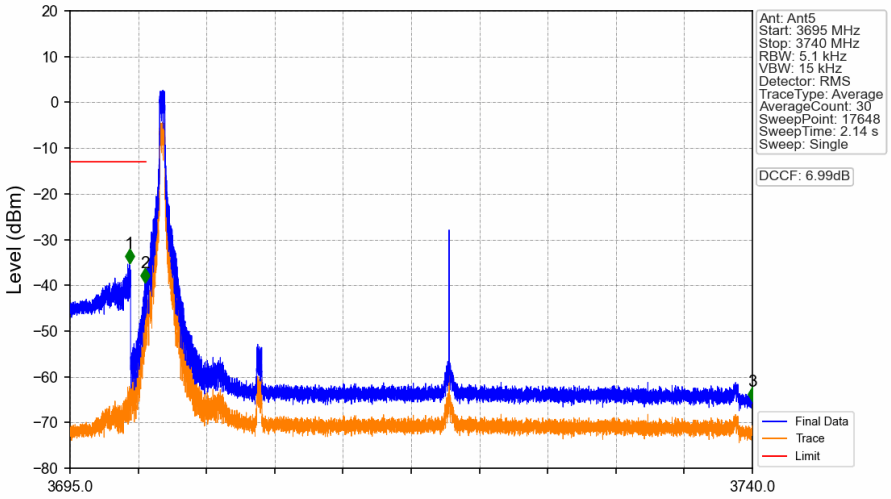
1.9 30k_MIMO_40MHz_NTNV

1.9.1 Test Result

5G NR n77a SCS=30kHz MIMO 40MHz NTNV							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
CP-OFDM QPSK	3720	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
	3960	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

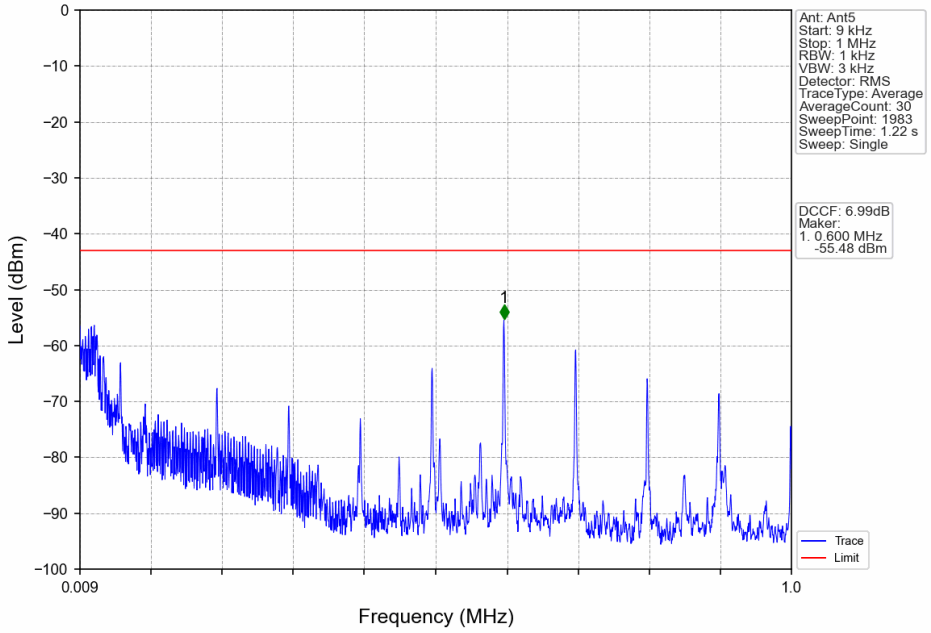
1.9.2 Test Graph

n77a_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3720MHz_Edge_1RB_Left

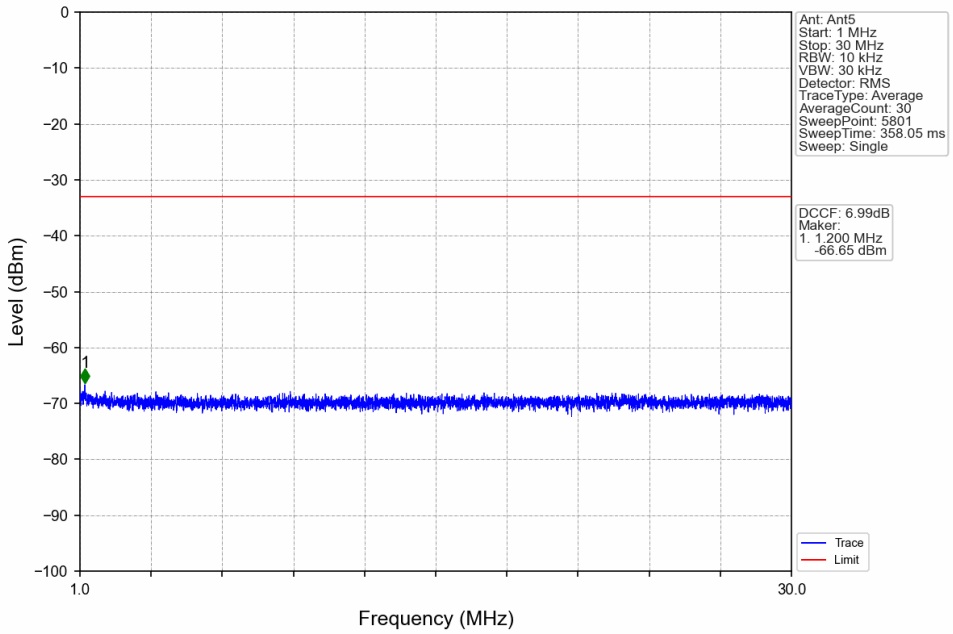


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	19.91	1	3698.914	-35.21	-13	Pass
3699	3700	0.0051	0	2	3699.955	-39.50	-13	Pass
3700	3740	0.0051	0	3	3740.000	-65.38	-13	Pass

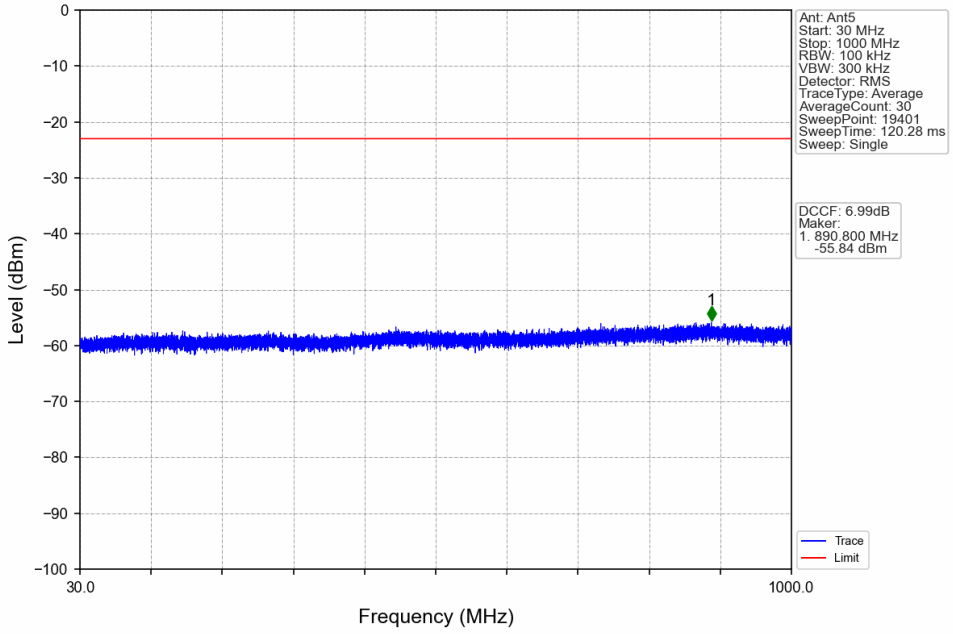
n77a_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3720MHz_Edge_1RB_Left



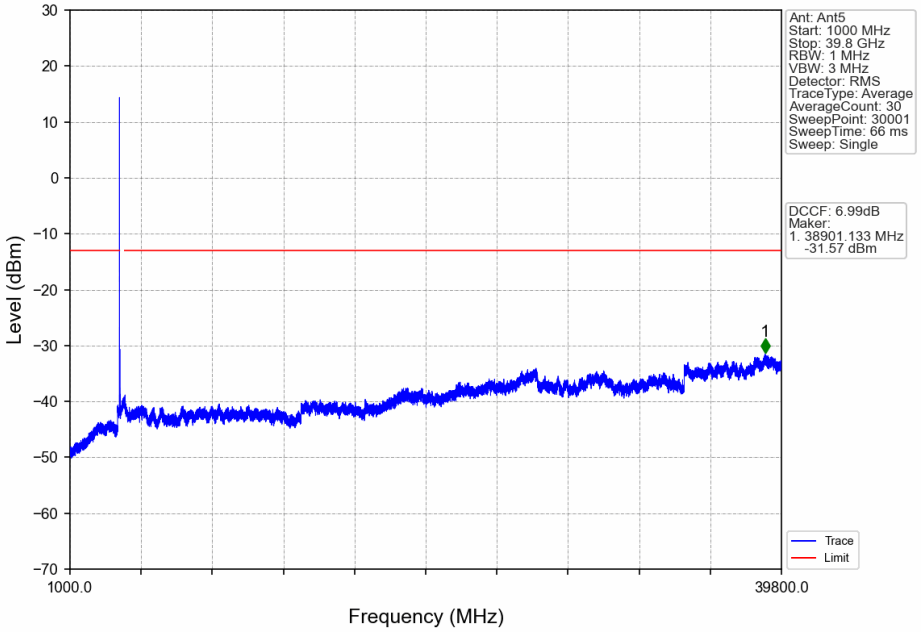
n77a_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3720MHz_Edge_1RB_Left



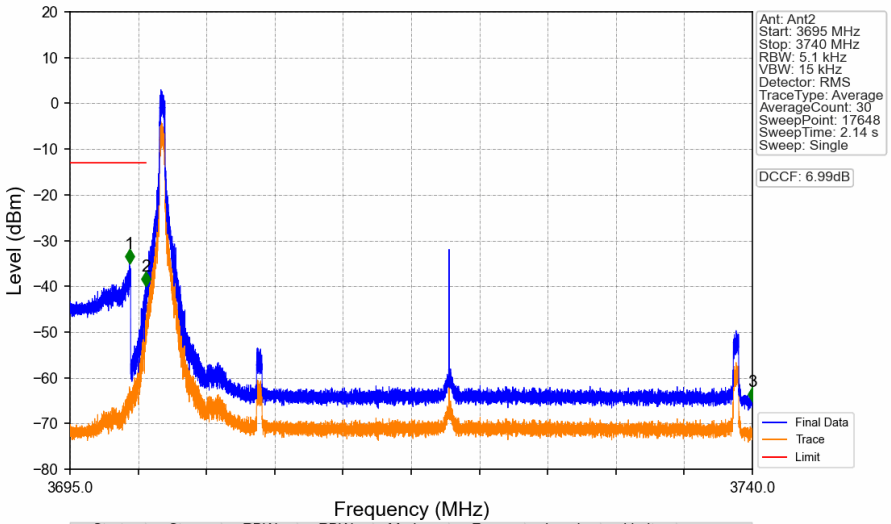
n77a_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3720MHz_Edge_1RB_Left



n77a_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3720MHz_Edge_1RB_Left

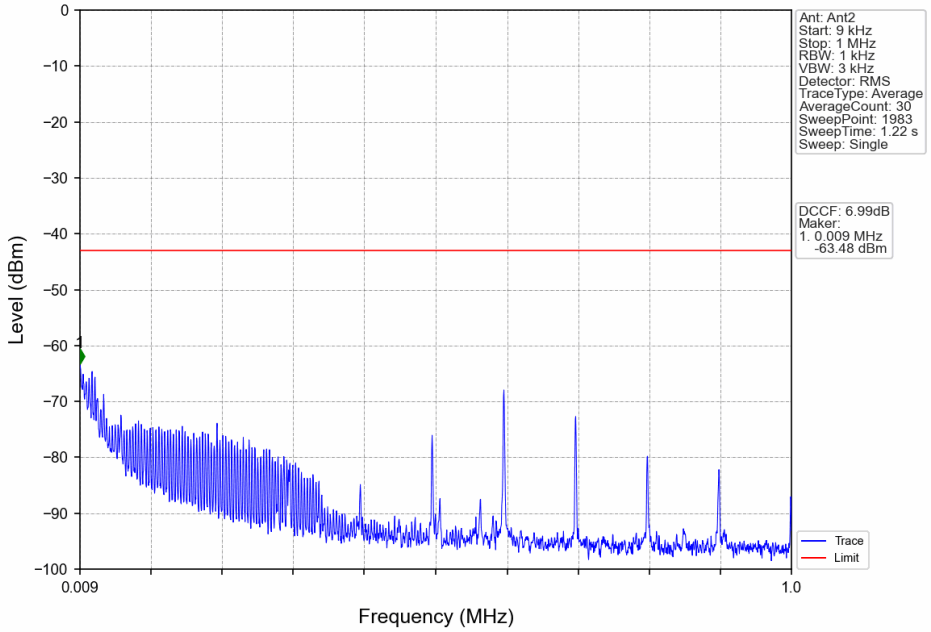
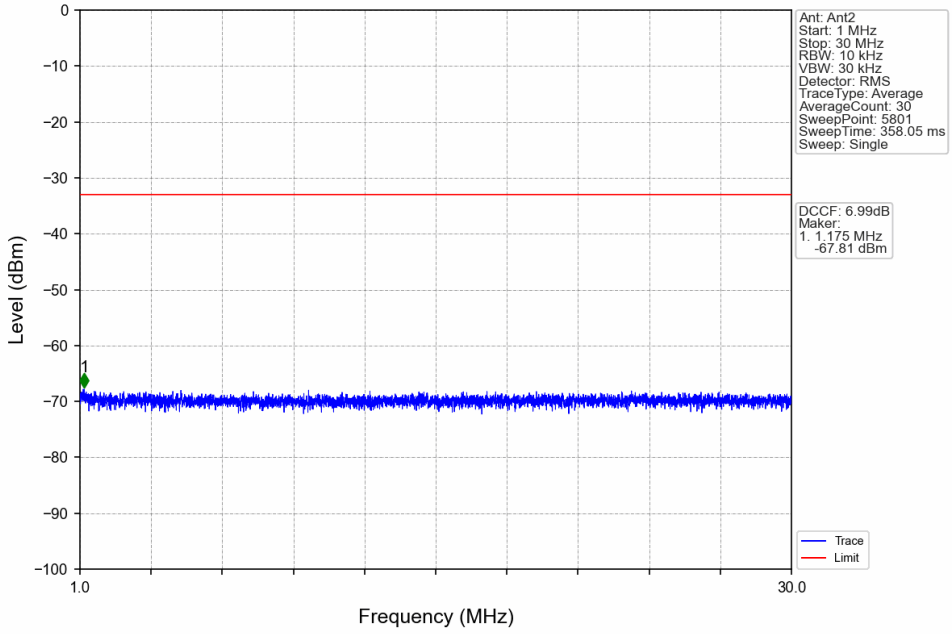


n77a_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3720MHz_Edge_1RB_Left



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	19.91	1	3698.919	-35.08	-13	Pass
3699	3700	0.0051	0	2	3699.985	-39.97	-13	Pass
3700	3740	0.0051	0	3	3740.000	-65.23	-13	Pass

n77a_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3720MHz_Edge_1RB_Left



n77a_30kHz_MIMO_NTNV_40MHz_CP-OFDM QPSK_3720MHz_Edge_1RB_Left