

# 1. Spurious Emission

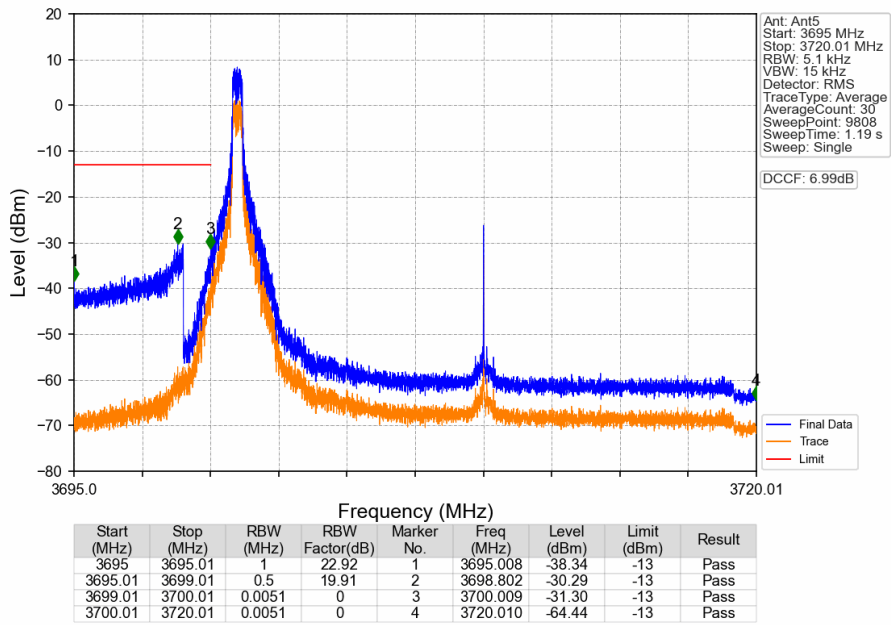
## 1.1 30k\_SISO\_20MHz\_NTNV

### 1.1.1 Test Result

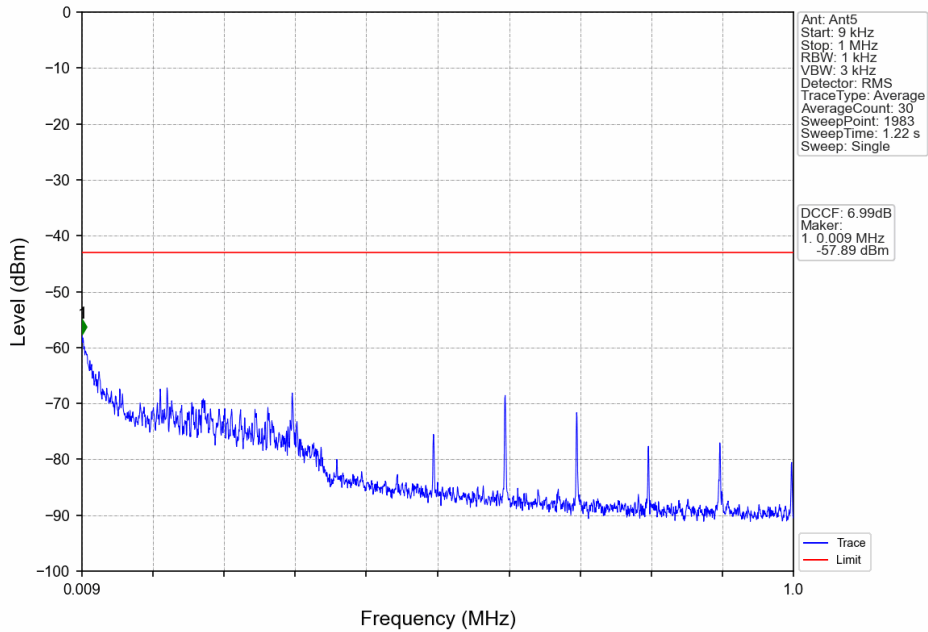
5G NR n78a SCS=30kHz SISO 20MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3750	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3789.99	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3710.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3750	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3789.99	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass

### 1.1.2 Test Graph

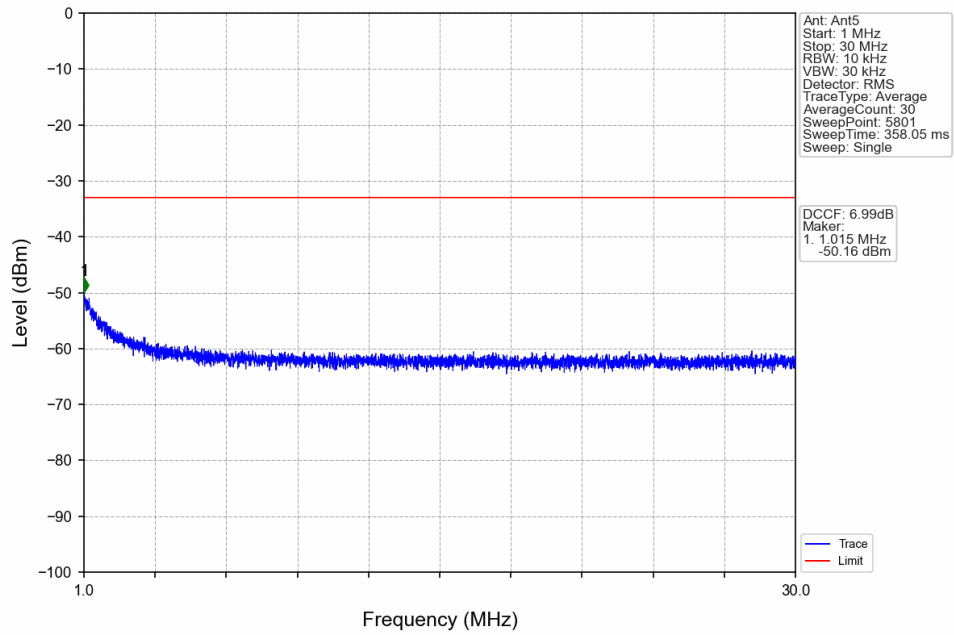
n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3710.01MHz\_Edge\_1RB\_Left



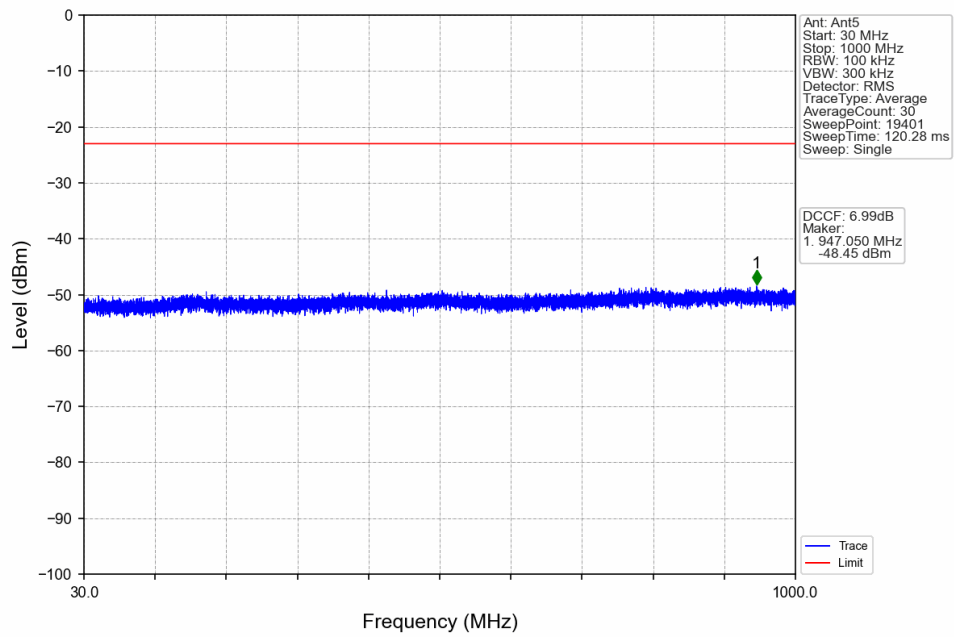
n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3710.01MHz\_Edge\_1RB\_Left



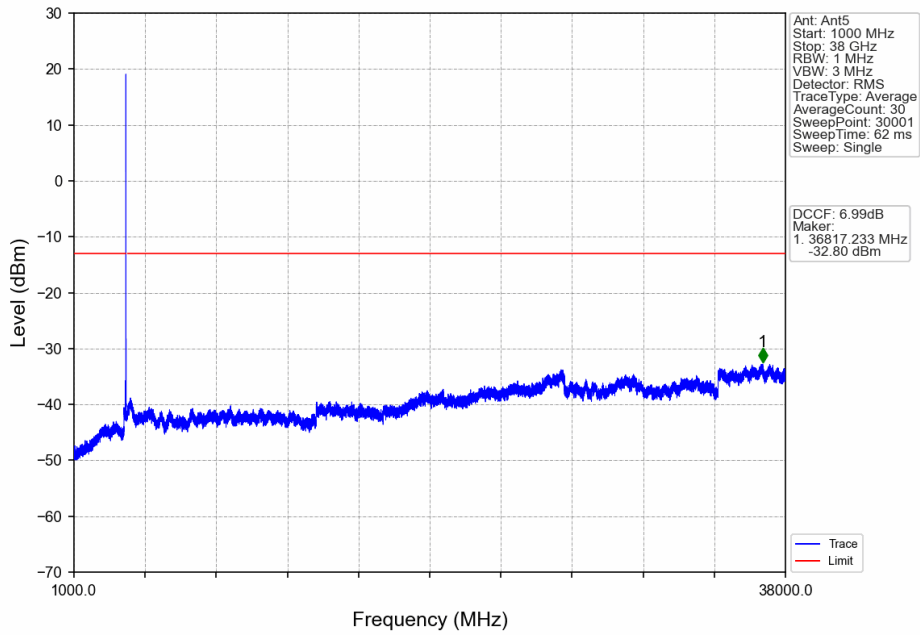
n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3710.01MHz\_Edge\_1RB\_Left



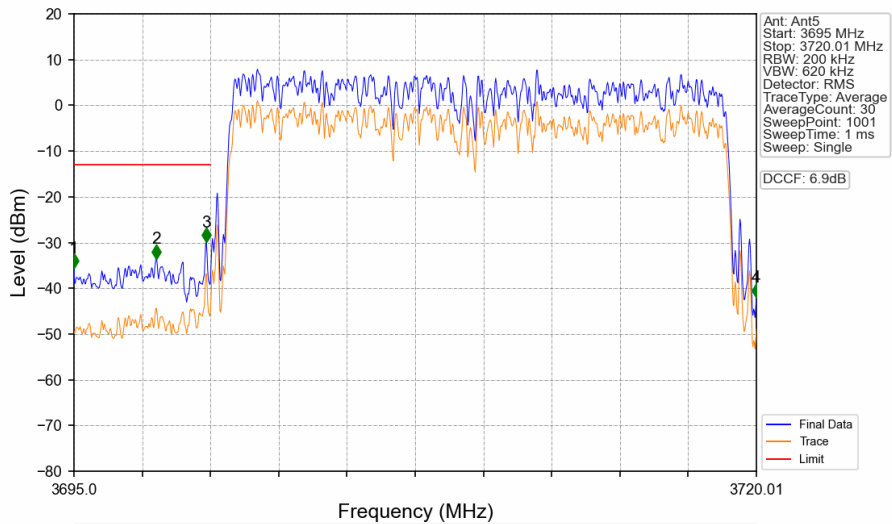
n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3710.01MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3710.01MHz\_Edge\_1RB\_Left

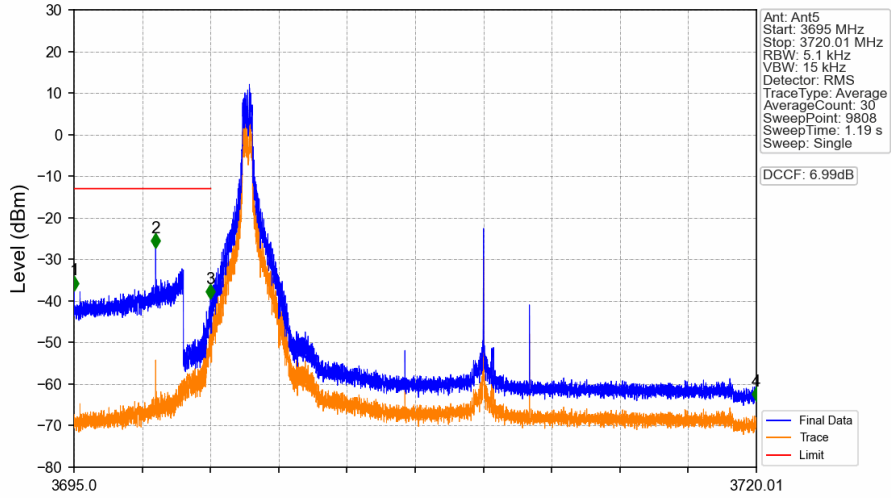


n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3710.01MHz\_Outer\_Full



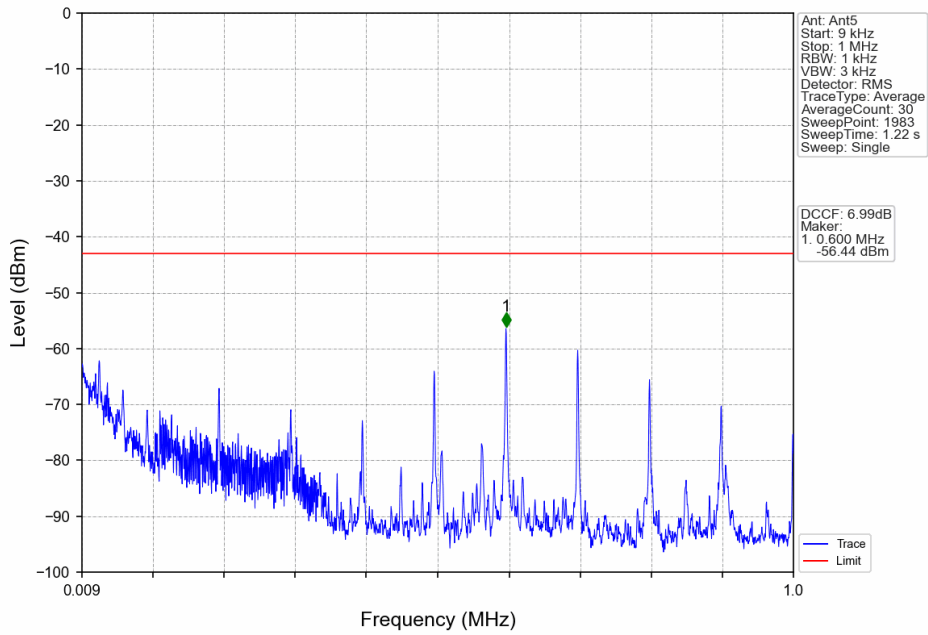
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	6.99	1	3695.000	-35.53	-13	Pass
3695.01	3699.01	0.5	3.98	2	3698.026	-33.53	-13	Pass
3699.01	3700.01	0.2	0	3	3699.852	-29.97	-13	Pass
3700.01	3720.01	0.2	0	4	3720.010	-41.99	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3710.01MHz\_Inner\_1RB\_Left

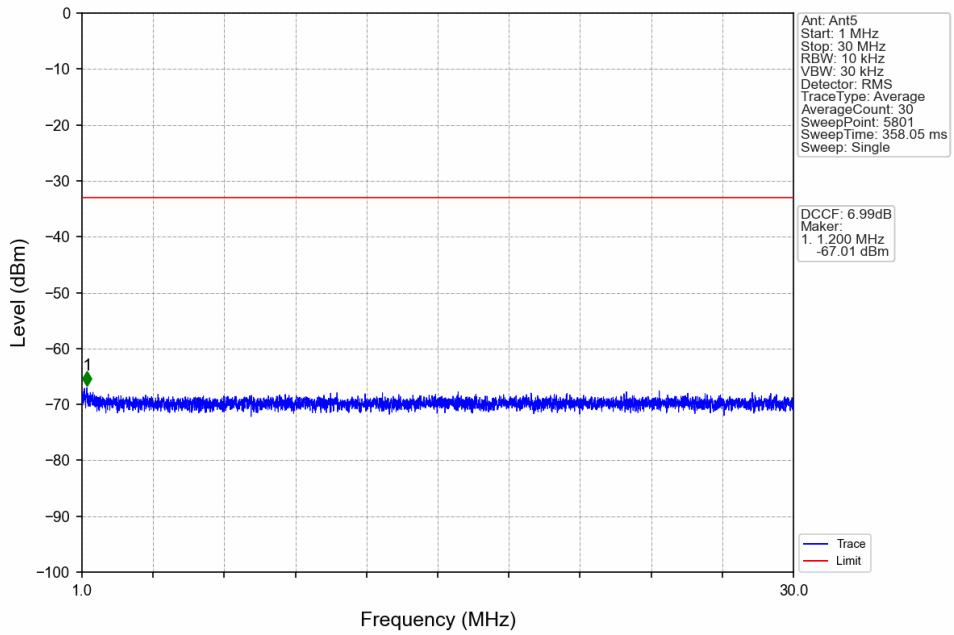


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	22.92	1	3695.005	-37.41	-13	Pass
3695.01	3699.01	0.5	19.91	2	3697.994	-27.31	-13	Pass
3699.01	3700.01	0.0051	0	3	3700.001	-39.51	-13	Pass
3700.01	3720.01	0.0051	0	4	3720.010	-64.04	-13	Pass

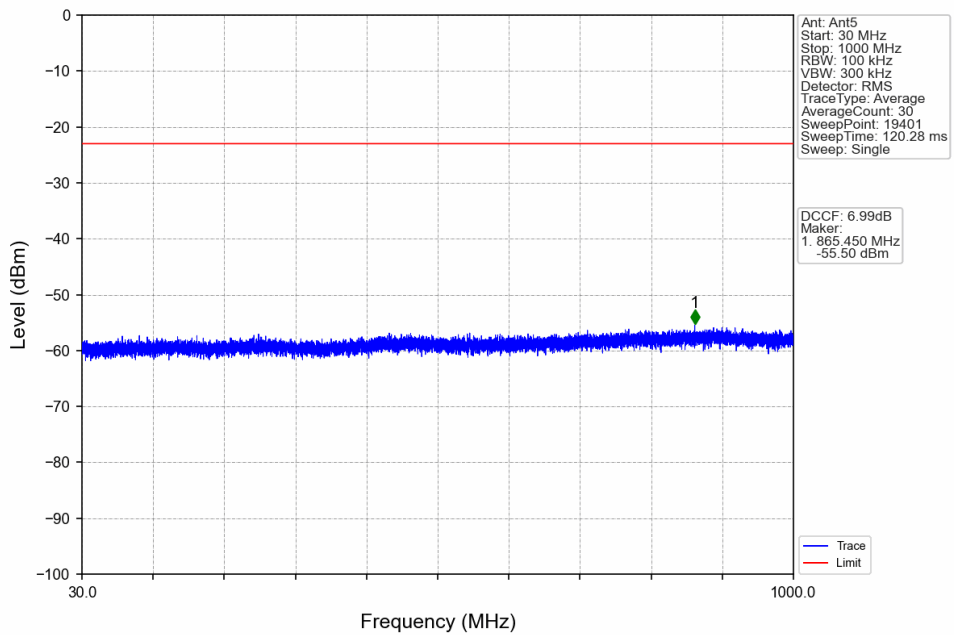
n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



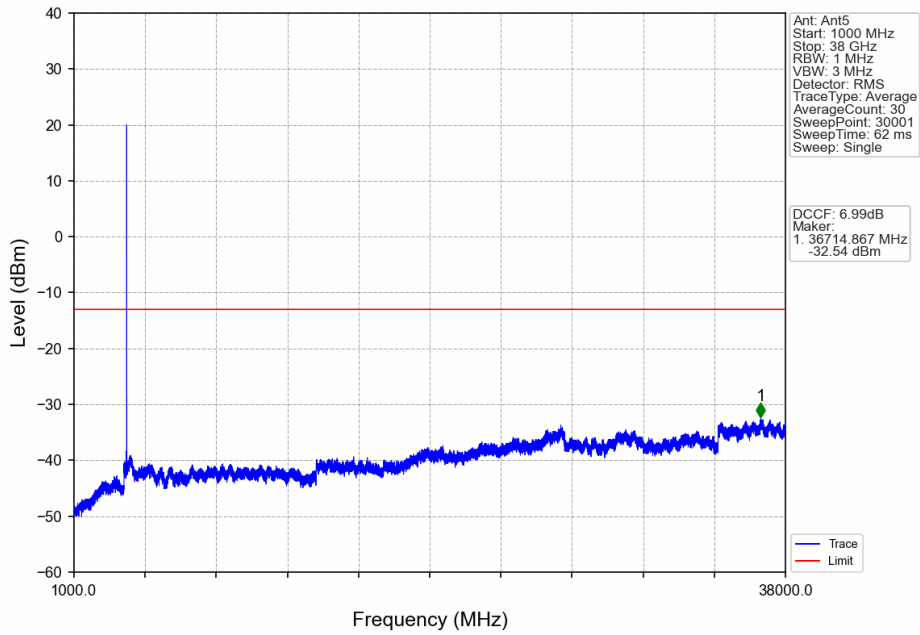
n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



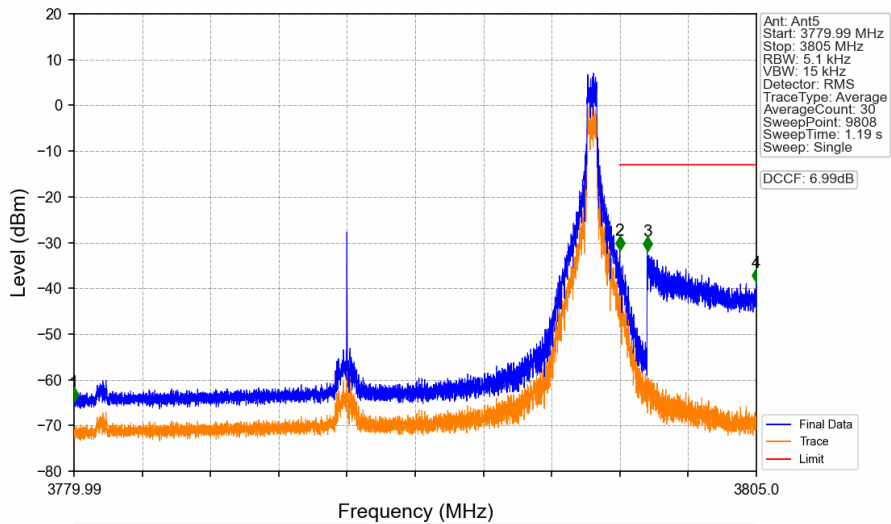
n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left

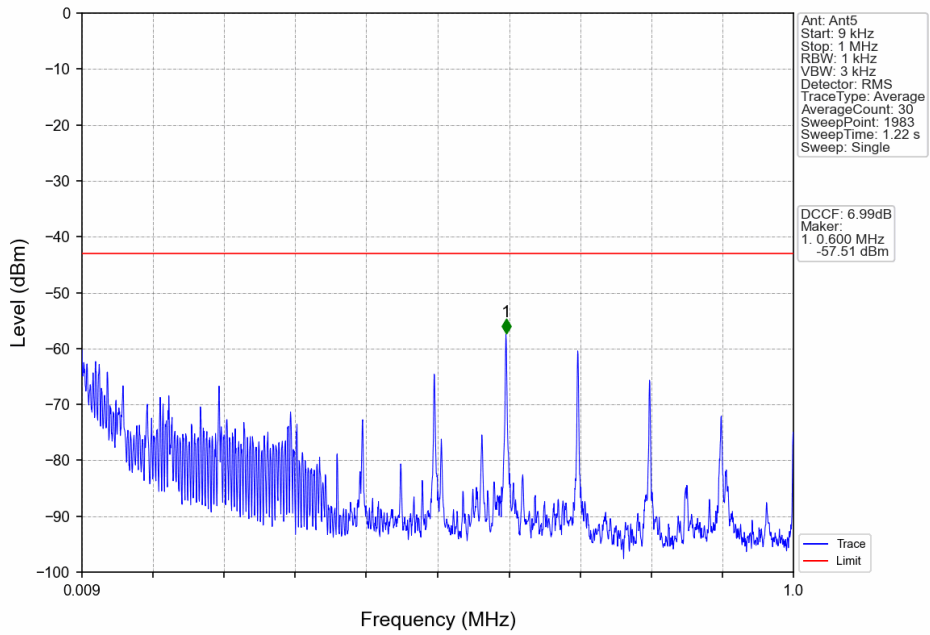


n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3789.99MHz\_Edge\_1RB\_Right

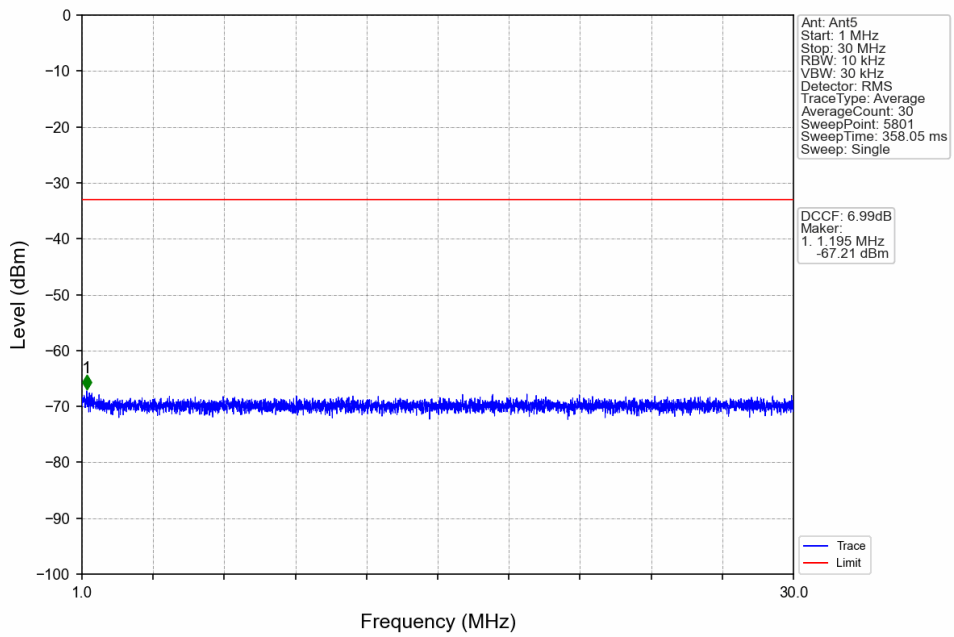


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3779.99	3799.99	0.0051	0	1	3779.990	-64.87	-13	Pass
3799.99	3799.99	0.0051	0	/	/	/	/	/
3799.99	3800.99	0.0051	0	2	3799.991	-31.63	-13	Pass
3800.99	3804.99	0.5	19.91	3	3800.999	-31.93	-13	Pass
3804.99	3805	1	22.92	4	3804.995	-38.68	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3789.99MHz\_Edge\_1RB\_Right

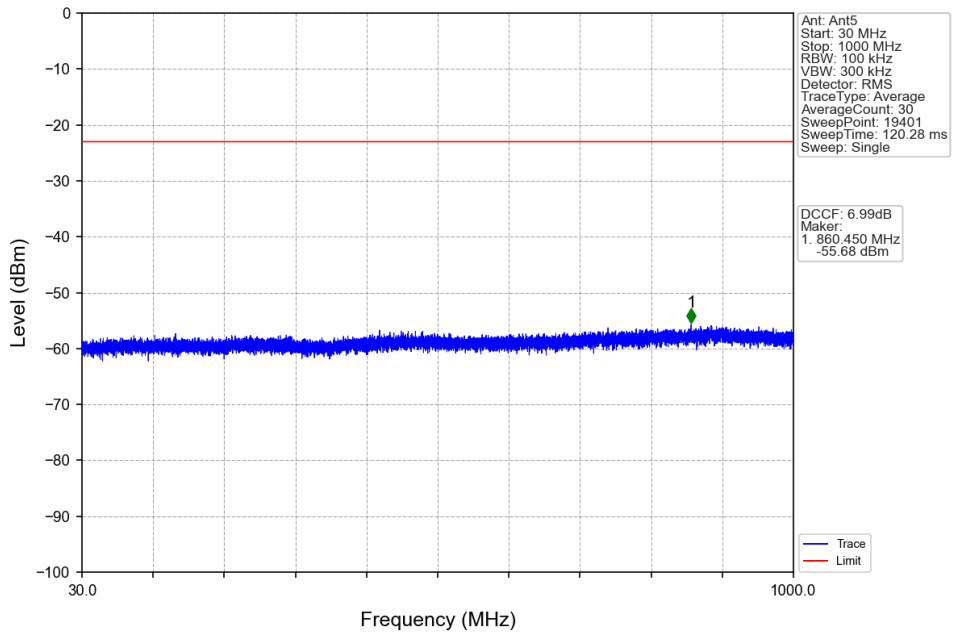


n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3789.99MHz\_Edge\_1RB\_Right

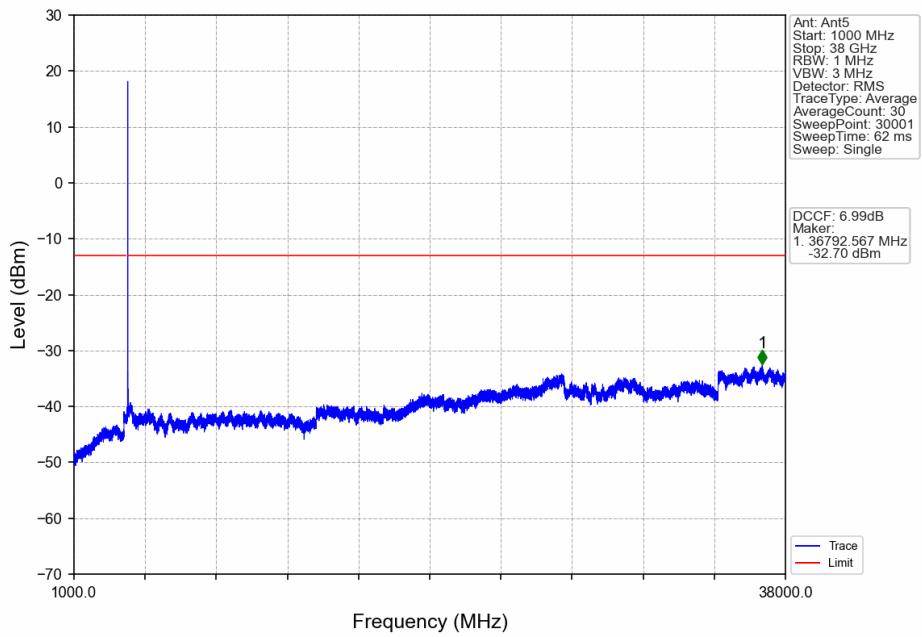




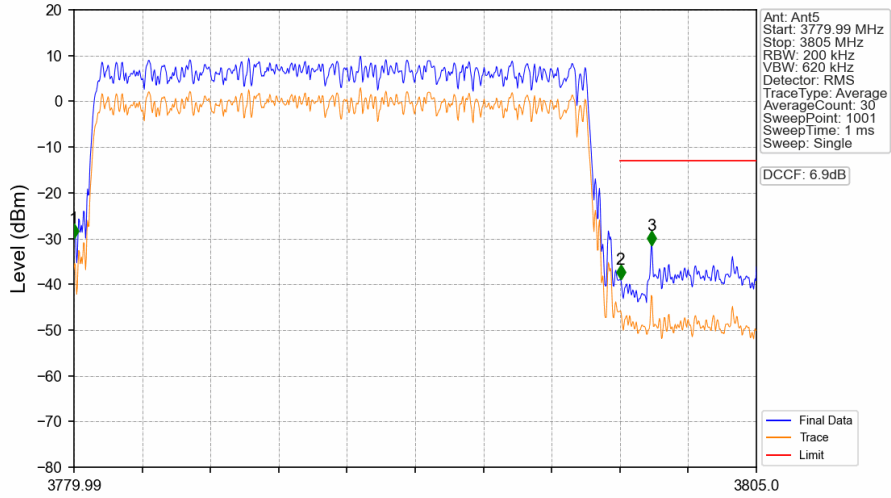
n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3789.99MHz\_Edge\_1RB\_Right



n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3789.99MHz\_Edge\_1RB\_Right

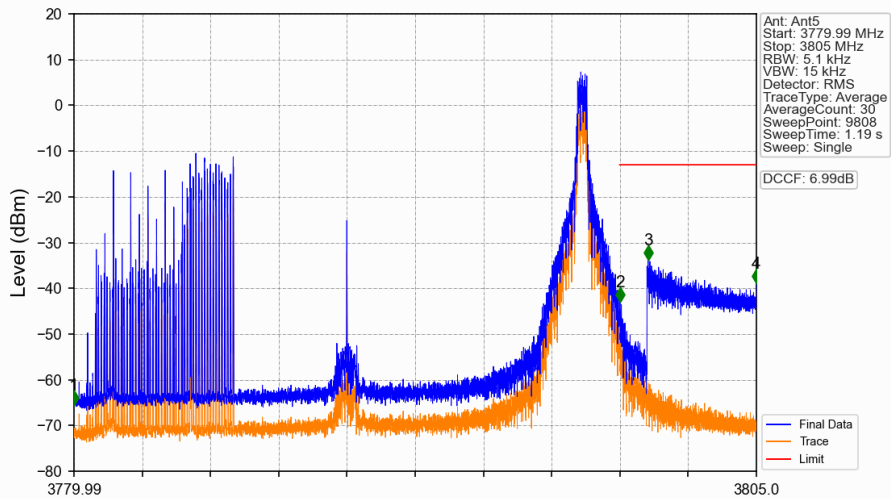


n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK 3789.99MHz\_Outer\_Full



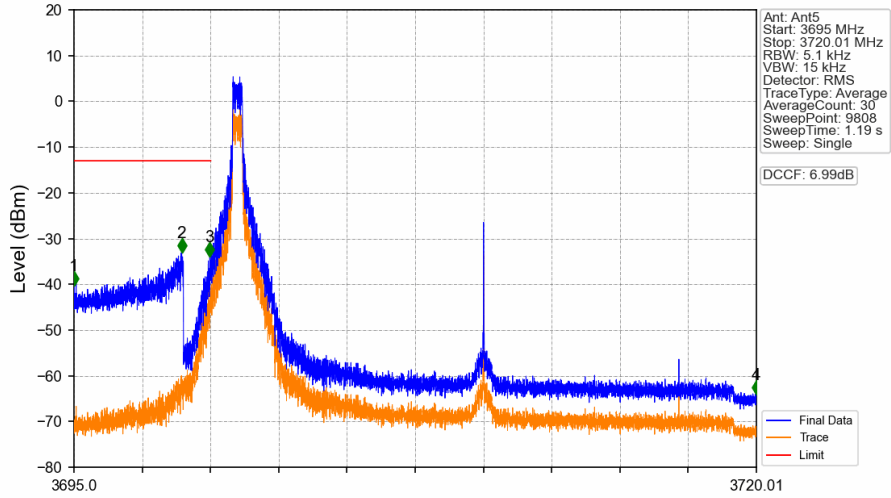
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3779.99	3799.99	0.2	0	1	3779.990	-29.87	-13	Pass
3799.99	3799.99	0.2	0	/	/	/	/	/
3799.99	3800.99	0.2	0	2	3800.023	-38.90	-13	Pass
3800.99	3804.99	0.5	3.98	3	3801.148	-31.56	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK 3789.99MHz\_Inner\_1RB\_Right



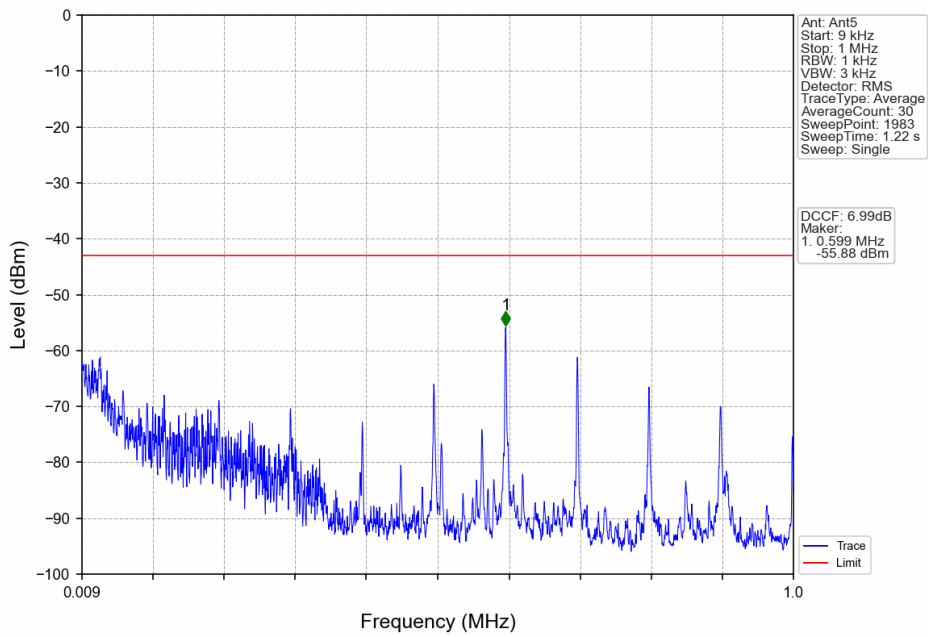
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3779.99	3799.99	0.0051	0	1	3779.990	-65.57	-13	Pass
3799.99	3799.99	0.0051	0	/	/	/	/	/
3799.99	3800.99	0.0051	0	2	3799.999	-42.96	-13	Pass
3800.99	3804.99	0.5	19.91	3	3801.032	-33.85	-13	Pass
3804.99	3805	1	22.92	4	3805.000	-38.95	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3710.01MHz\_Edge\_1RB\_Left

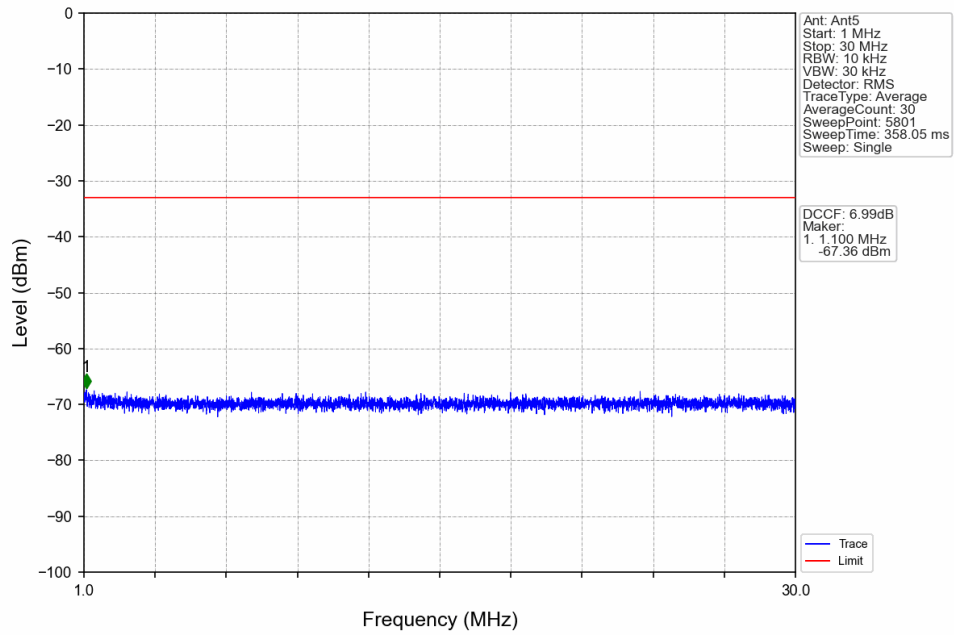


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	22.92	1	3695.000	-40.26	-13	Pass
3695.01	3699.01	0.5	19.91	2	3698.948	-33.10	-13	Pass
3699.01	3700.01	0.0051	0	3	3699.978	-34.02	-13	Pass
3700.01	3720.01	0.0051	0	4	3720.010	-64.14	-13	Pass

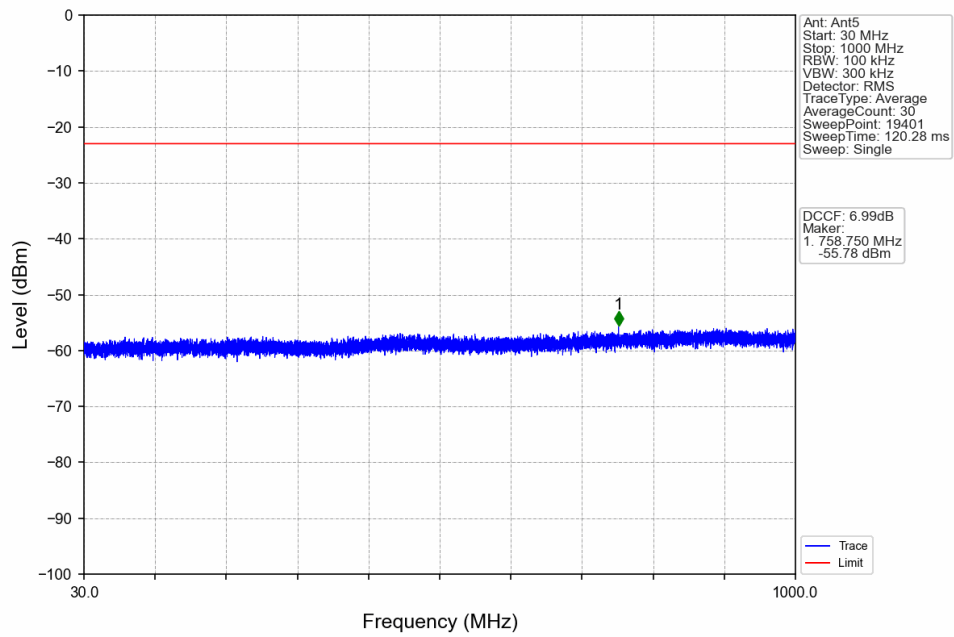
n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3710.01MHz\_Edge\_1RB\_Left



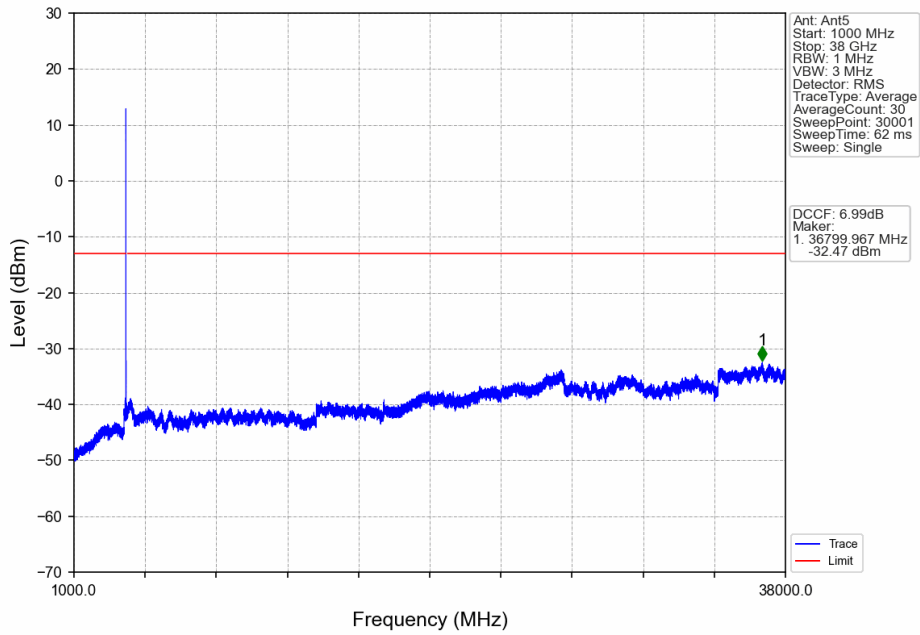
n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3710.01MHz\_Edge\_1RB\_Left



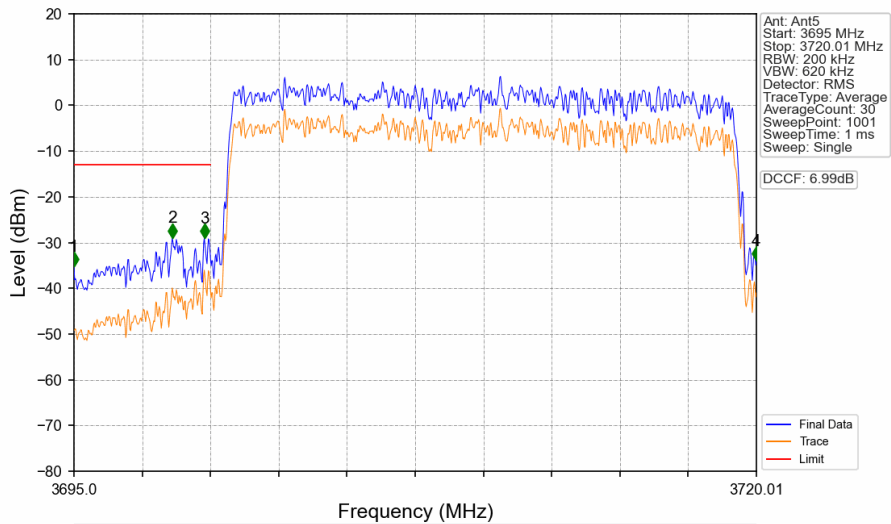
n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3710.01MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3710.01MHz\_Edge\_1RB\_Left

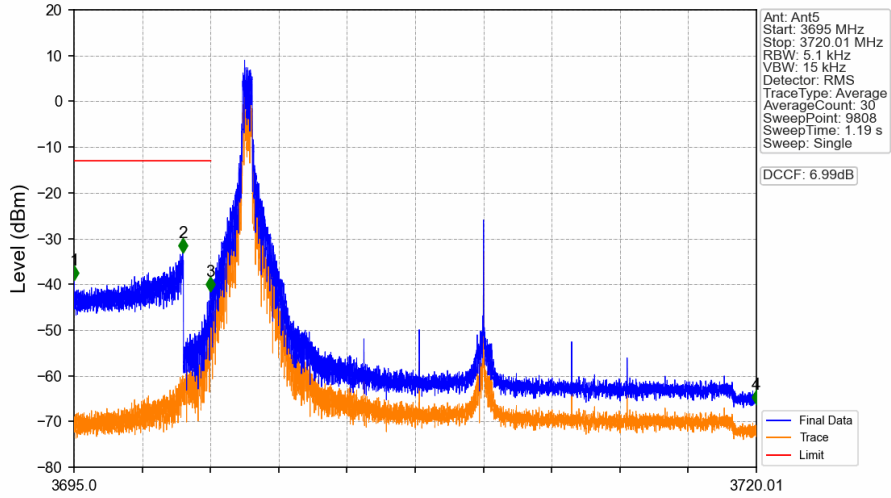


n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3710.01MHz\_Outer\_Full



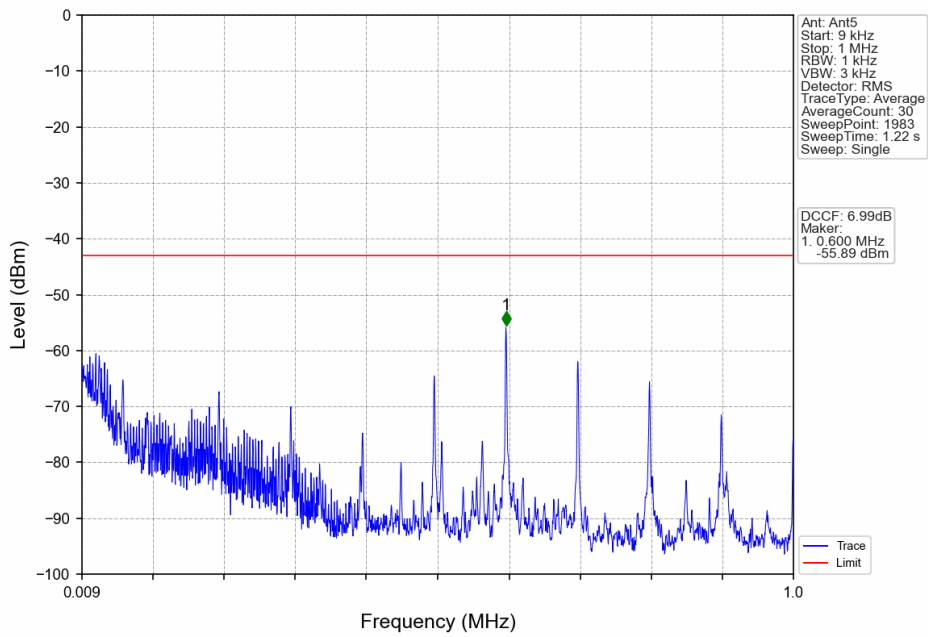
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	6.99	1	3695.000	-35.23	-13	Pass
3695.01	3699.01	0.5	3.98	2	3698.601	-28.96	-13	Pass
3699.01	3700.01	0.2	0	3	3699.777	-29.05	-13	Pass
3700.01	3720.01	0.2	0	4	3720.010	-34.02	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3710.01MHz\_Inner\_1RB\_Left

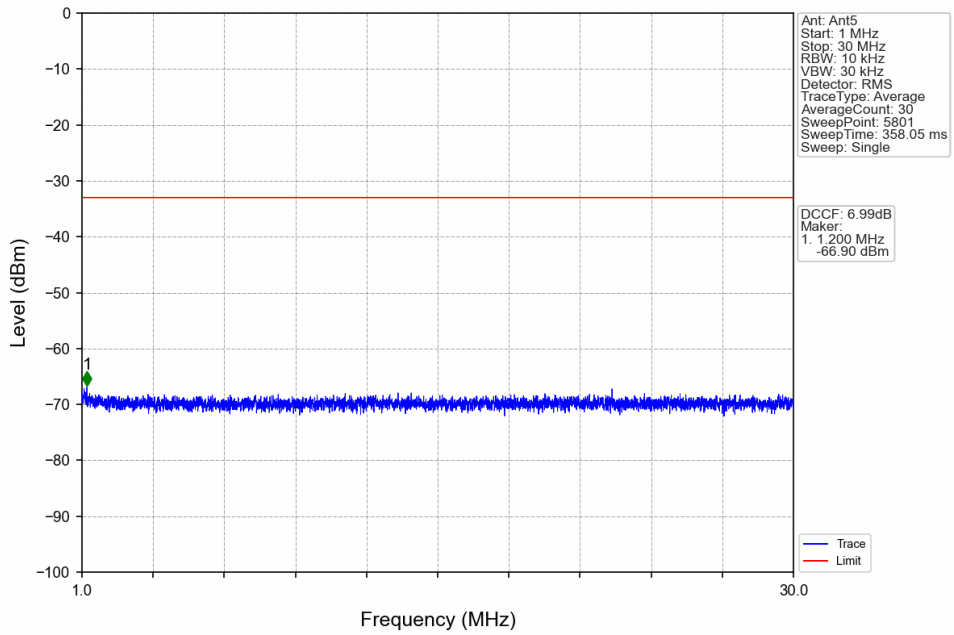


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.01	1	22.92	1	3695.003	-39.06	-13	Pass
3695.01	3699.01	0.5	19.91	2	3698.986	-33.12	-13	Pass
3699.01	3700.01	0.0051	0	3	3699.996	-41.55	-13	Pass
3700.01	3720.01	0.0051	0	4	3720.010	-66.29	-13	Pass

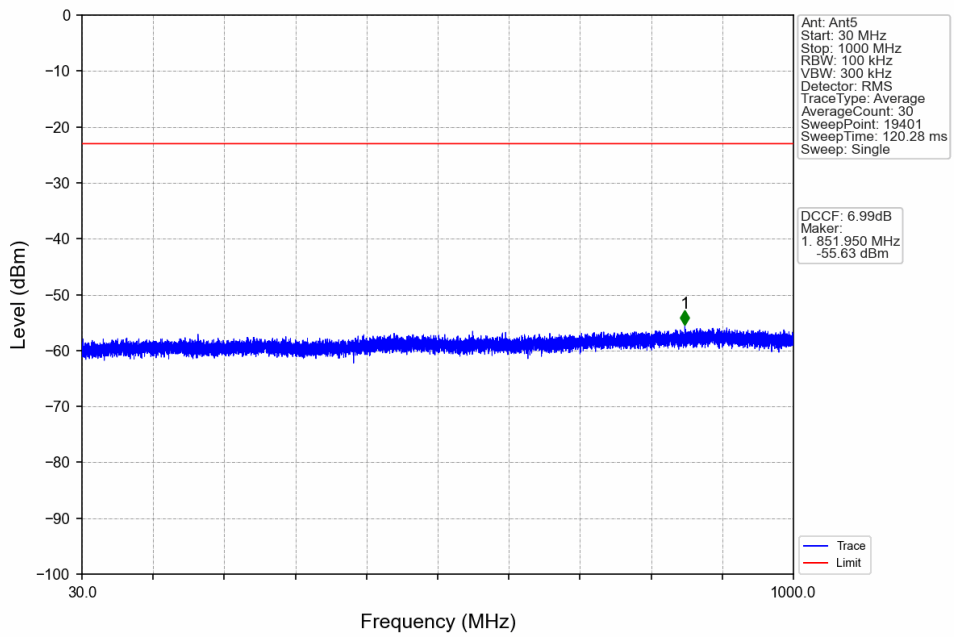
n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3750MHz\_Edge\_1RB\_Left



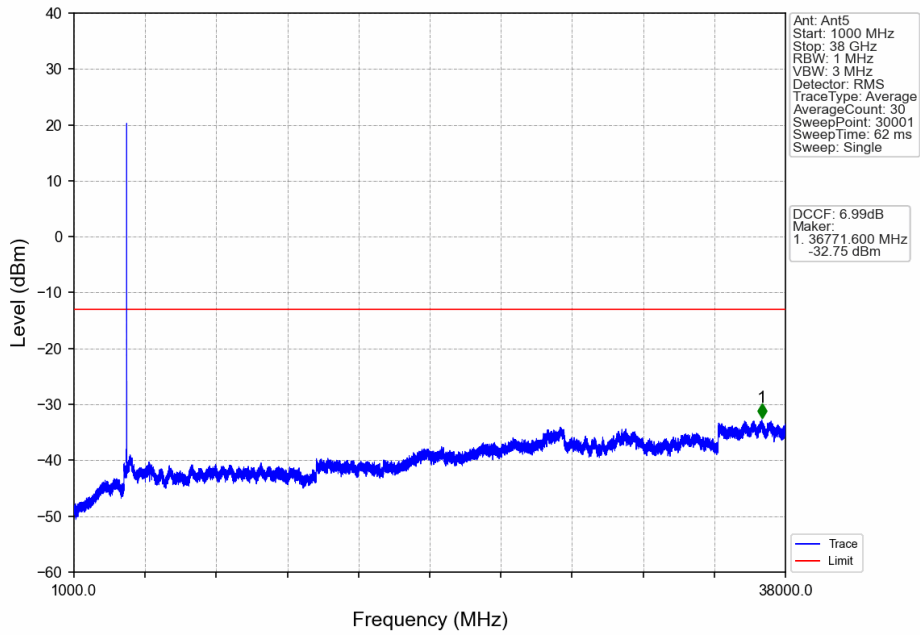
n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3750MHz\_Edge\_1RB\_Left



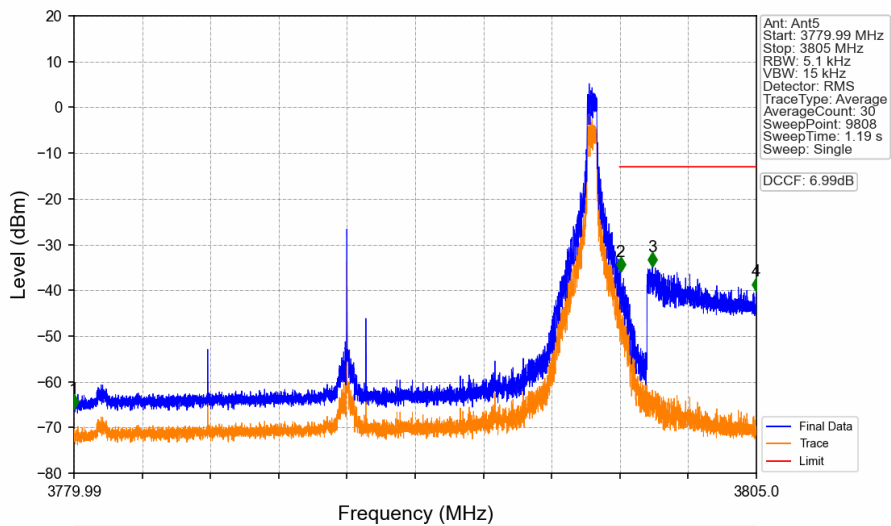
n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3750MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



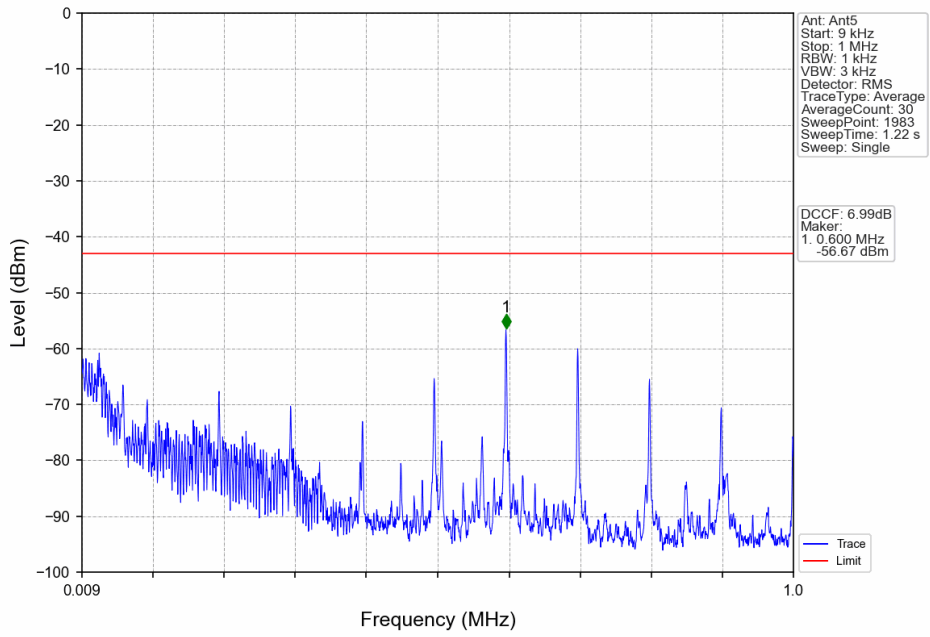
n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3789.99MHz\_Edge\_1RB\_Right



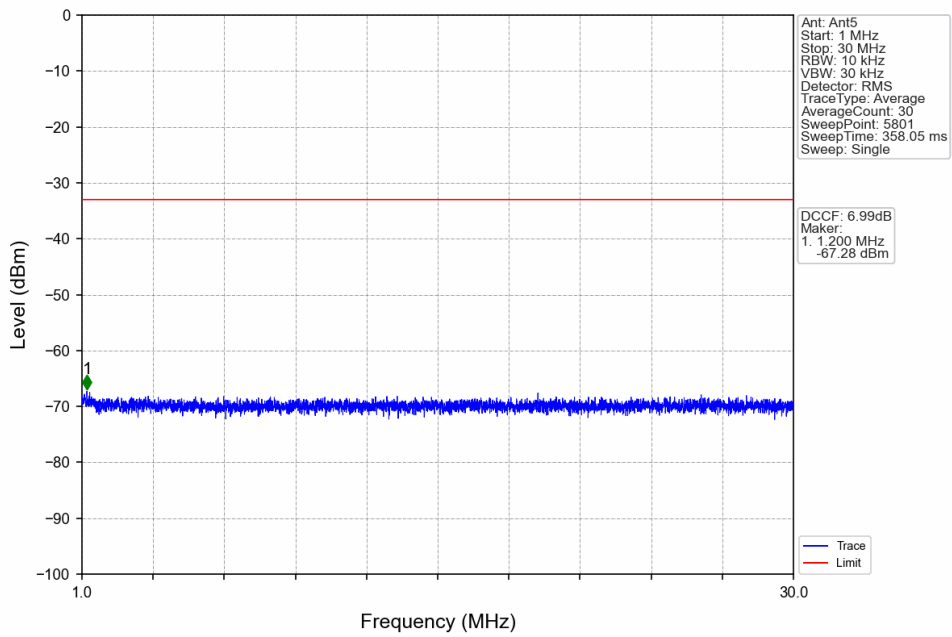
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3779.99	3799.99	0.0051	0	1	3779.990	-65.90	-13	Pass
3799.99	3799.99	0.0051	0	/	/	/	/	/
3799.99	3800.99	0.0051	0	2	3800.022	-35.98	-13	Pass
3800.99	3804.99	0.5	19.91	3	3801.185	-34.92	-13	Pass
3804.99	3805	1	22.92	4	3805.000	-40.25	-13	Pass



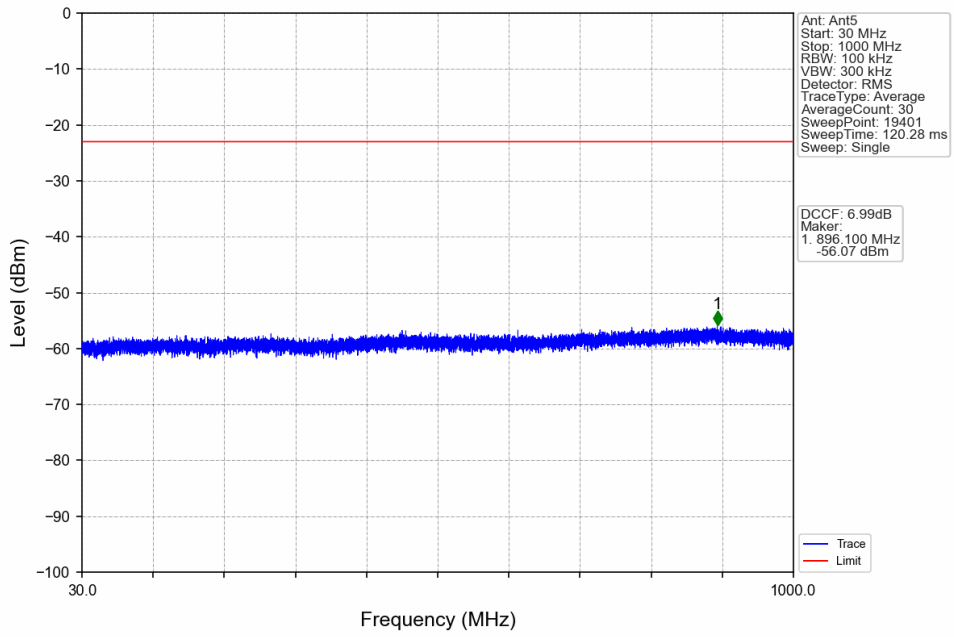
n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3789.99MHz\_Edge\_1RB\_Right



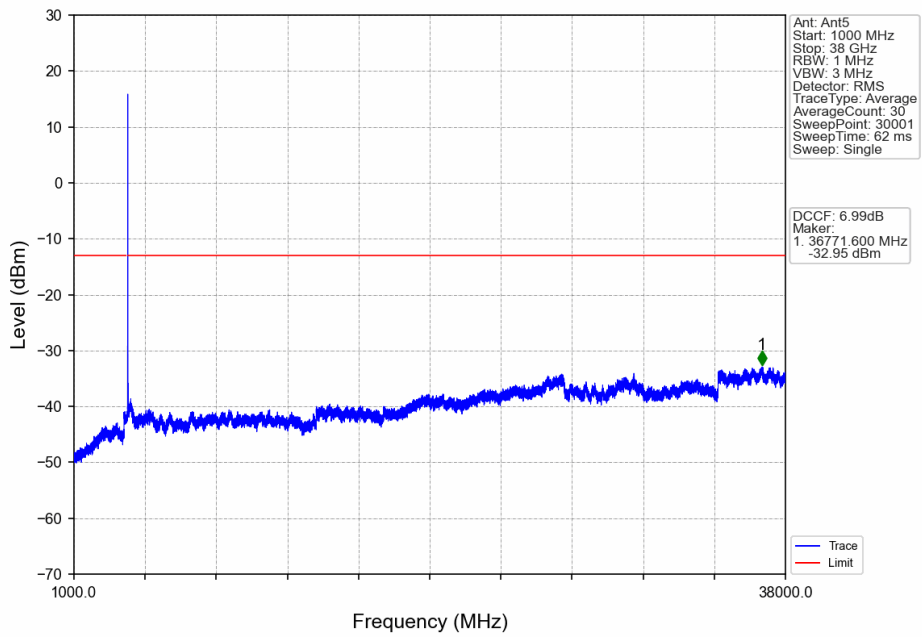
n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3789.99MHz\_Edge\_1RB\_Right



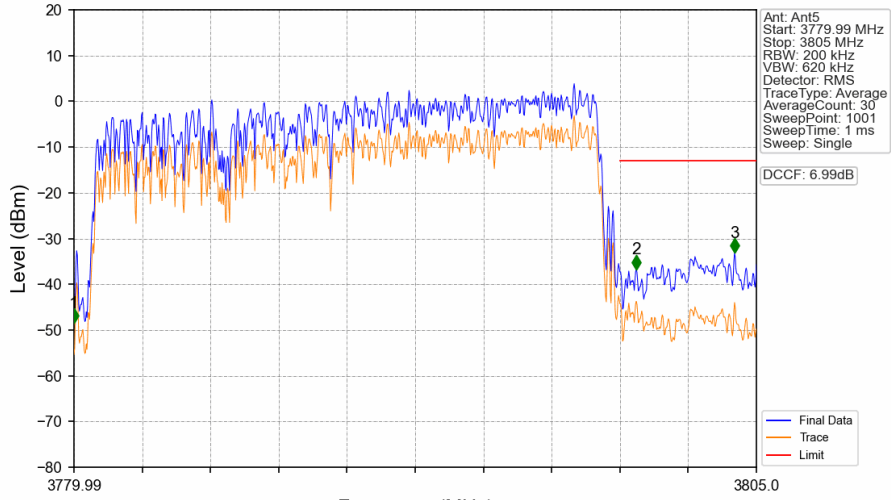
n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3789.99MHz\_Edge\_1RB\_Right



n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3789.99MHz\_Edge\_1RB\_Right

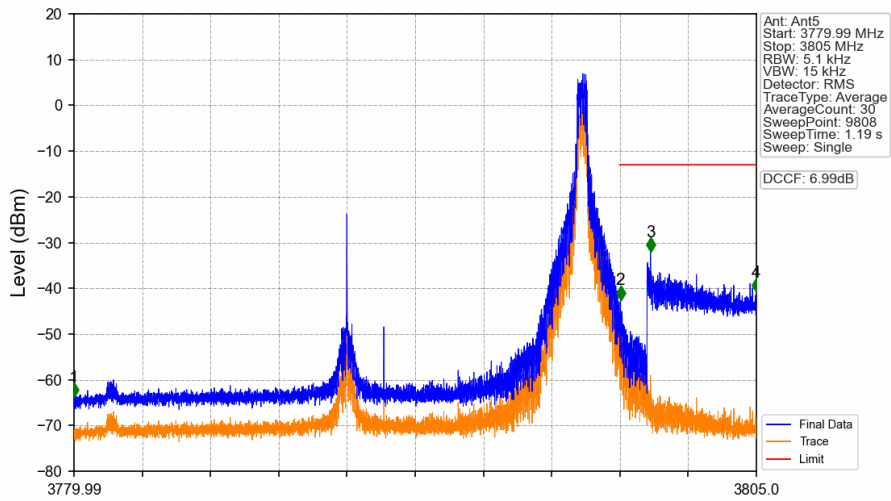


n78a\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3789.99MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3779.99	3799.99	0.2	0	1	3779.990	-48.42	-13	Pass
3799.99	3799.99	0.2	0	/	/	/	/	/
3799.99	3800.99	0.2	0	2	3800.598	-36.72	-13	Pass
3800.99	3804.99	0.5	3.98	3	3804.200	-33.04	-13	Pass

n78a\_30kHz\_SISO\_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	-63.74	-13	Pass
3799.99	3799.99	0.0051	0	/	/	/	/	/
3799.99	3800.99	0.0051	0	2	3800.019	-42.53	-13	Pass
3800.99	3804.99	0.5	19.91	3	3801.119	-32.09	-13	Pass
3804.99	3805	1	22.92	4	3804.992	-40.91	-13	Pass

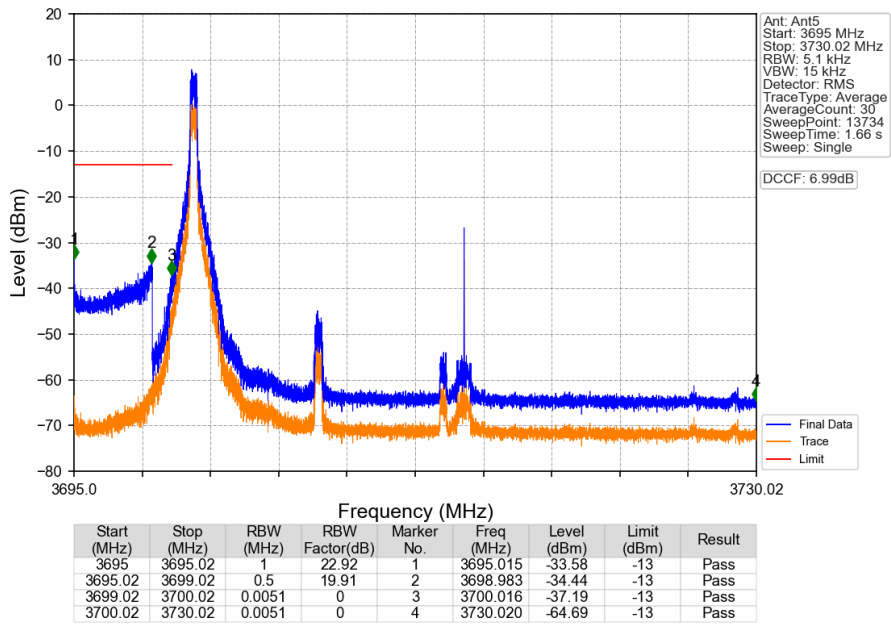
## 1.2 30k\_SISO\_30MHz\_NTNV

### 1.2.1 Test Result

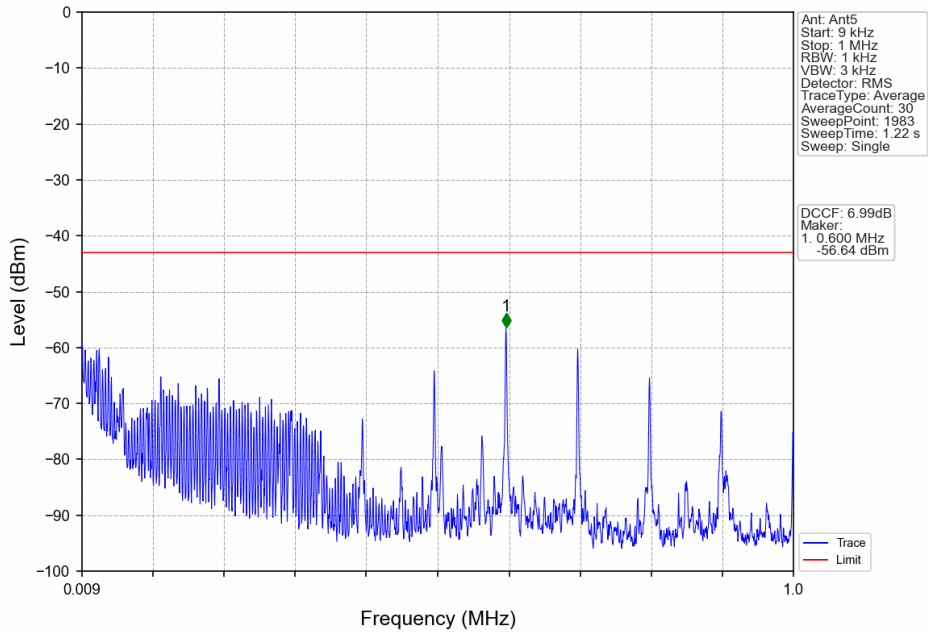
5G NR n78a SCS=30kHz SISO 30MHz NTN						
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict
			Ant5	Ant2	Sum	
DFT-s-OFDM QPSK	3715.02	Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
		Inner_1RB_Left	Refer To Test Graph			Pass
	3784.98	Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	3715.02	Inner_1RB_Right	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Outer_Full	Refer To Test Graph			Pass
	3750	Inner_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Left	Refer To Test Graph			Pass
		Edge_1RB_Right	Refer To Test Graph			Pass
3784.98	Outer_Full	Refer To Test Graph			Pass	
	Inner_1RB_Right	Refer To Test Graph			Pass	

## 1.2.2 Test Graph

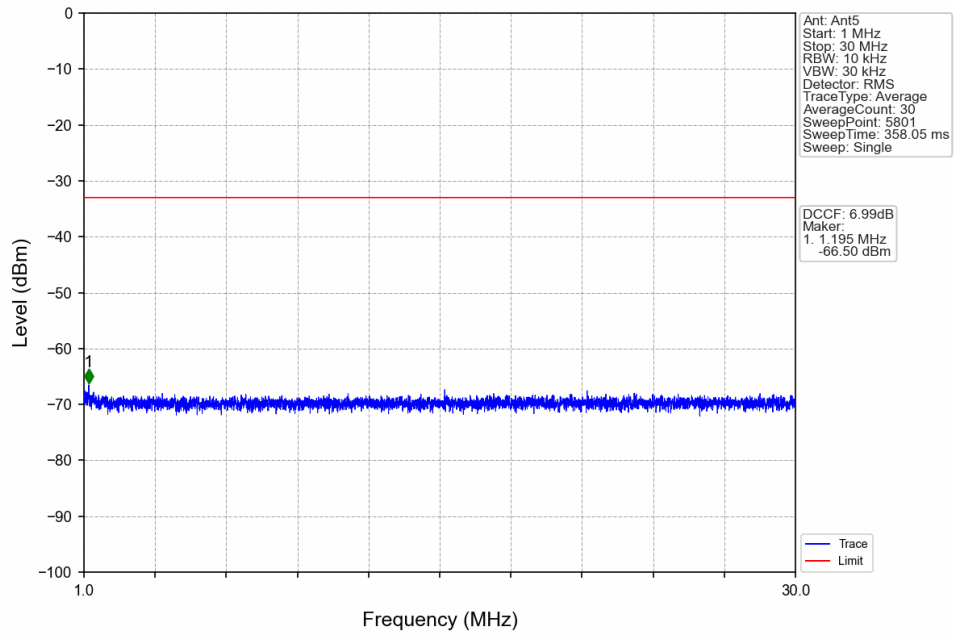
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3715.02MHz\_Edge\_1RB\_Left



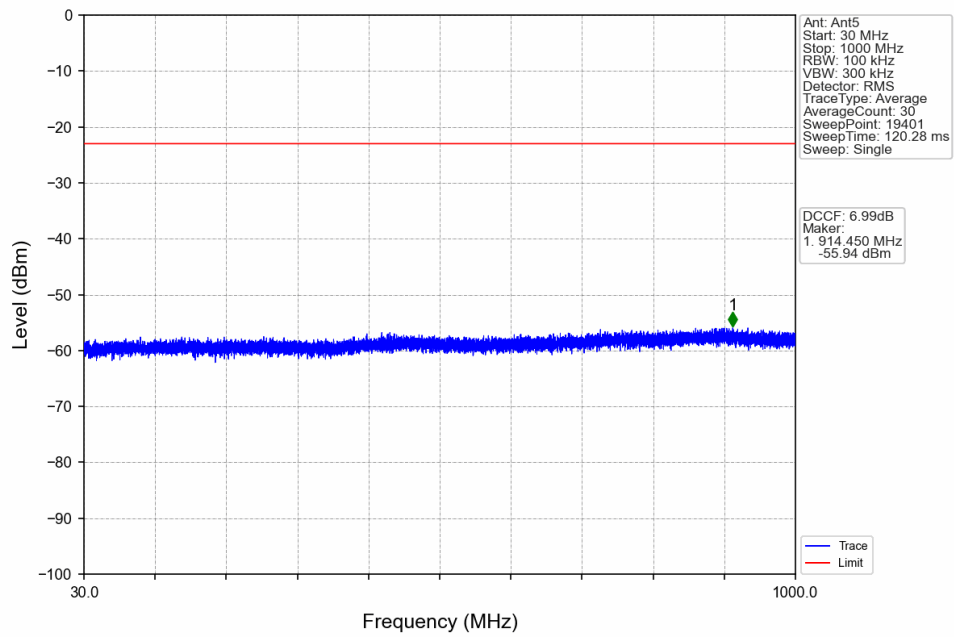
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3715.02MHz\_Edge\_1RB\_Left



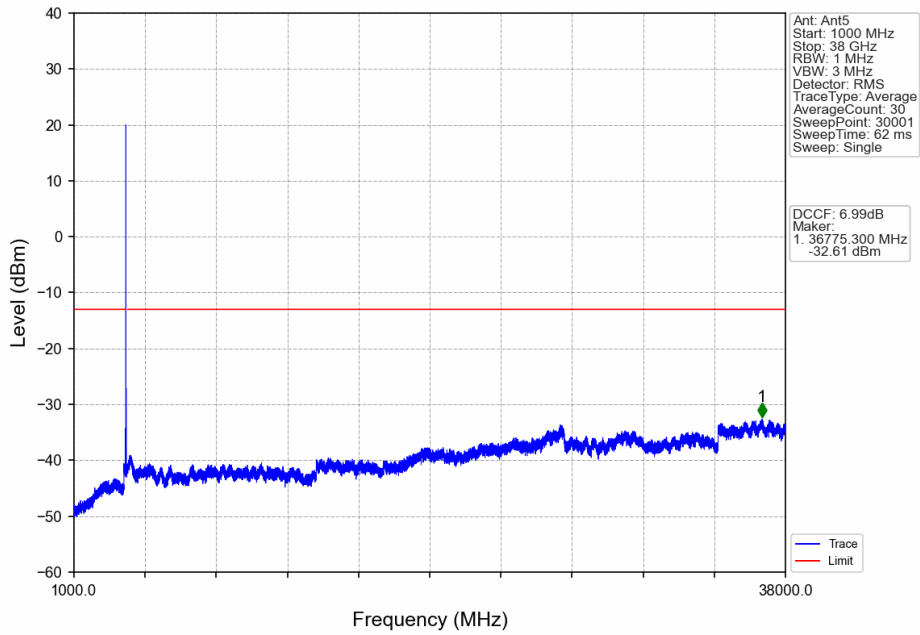
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3715.02MHz\_Edge\_1RB\_Left



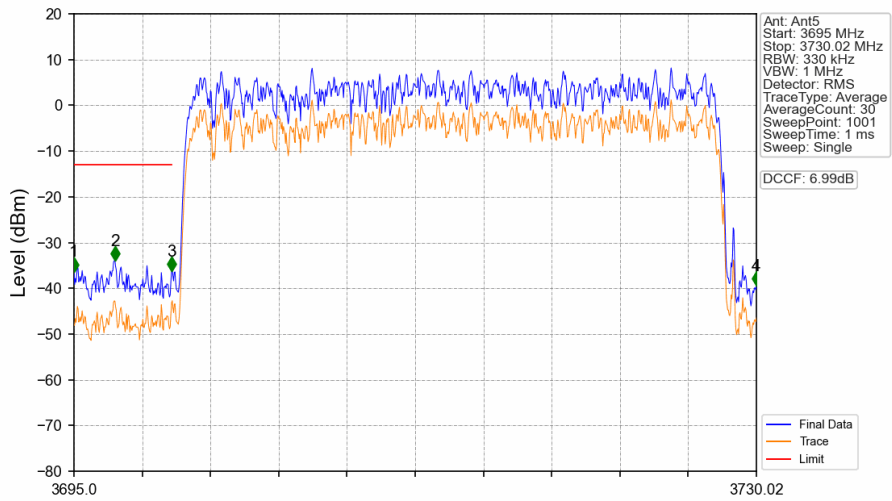
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3715.02MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3715.02MHz\_Edge\_1RB\_Left

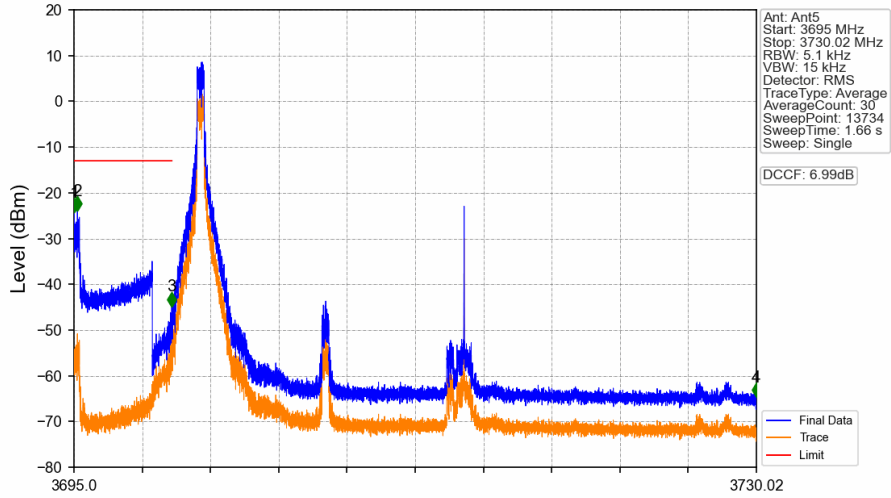


n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3715.02MHz\_Outer\_Full



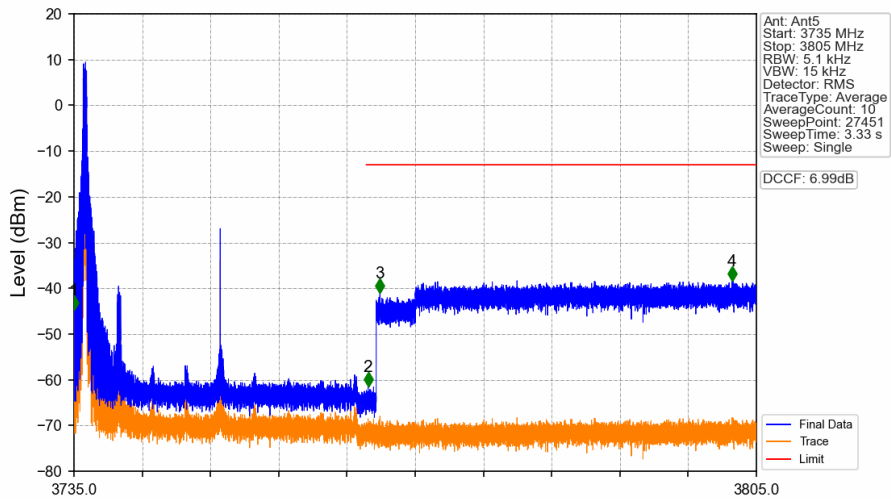
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	4.81	1	3695.000	-36.34	-13	Pass
3695.02	3699.02	0.5	1.8	2	3697.101	-33.98	-13	Pass
3699.02	3700.02	0.33	0	3	3700.008	-36.26	-13	Pass
3700.02	3730.02	0.33	0	4	3730.020	-39.50	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-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	-24.29	-13	Pass
3695.02	3699.02	0.5	19.91	2	3695.176	-23.91	-13	Pass
3699.02	3700.02	0.0051	0	3	3700.016	-44.83	-13	Pass
3700.02	3730.02	0.0051	0	4	3730.020	-64.64	-13	Pass

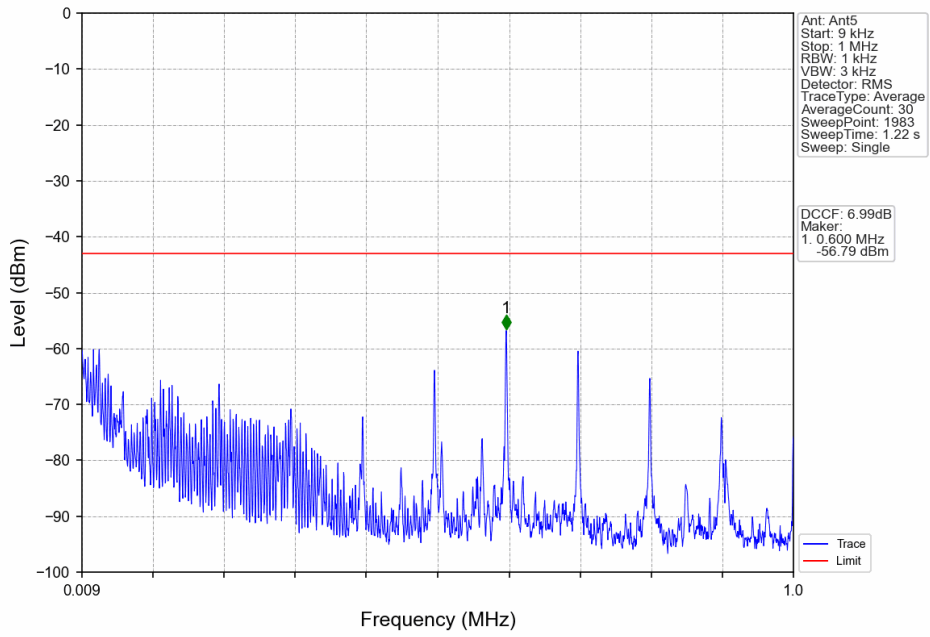
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



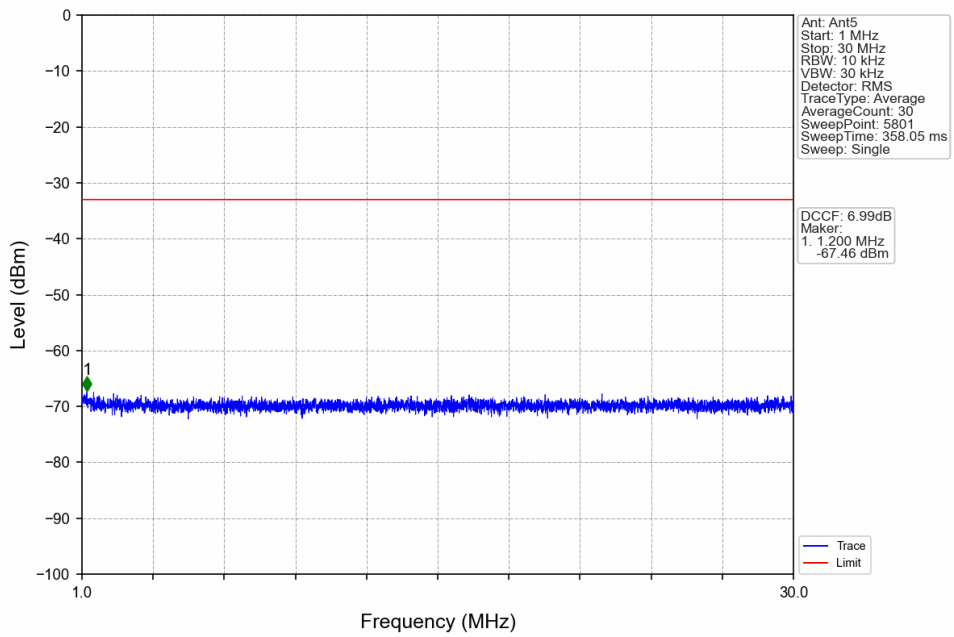
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3735	3765	0.0051	0	1	3735.000	-44.76	-13	Pass
3765	3765	0.0051	0	/	/	/	/	/
3765	3766	0.0051	0	2	3765.173	-61.52	-13	Pass
3766	3770	0.5	19.91	3	3766.384	-41.05	-13	Pass
3770	3805	1	22.92	4	3802.509	-38.33	-13	Pass



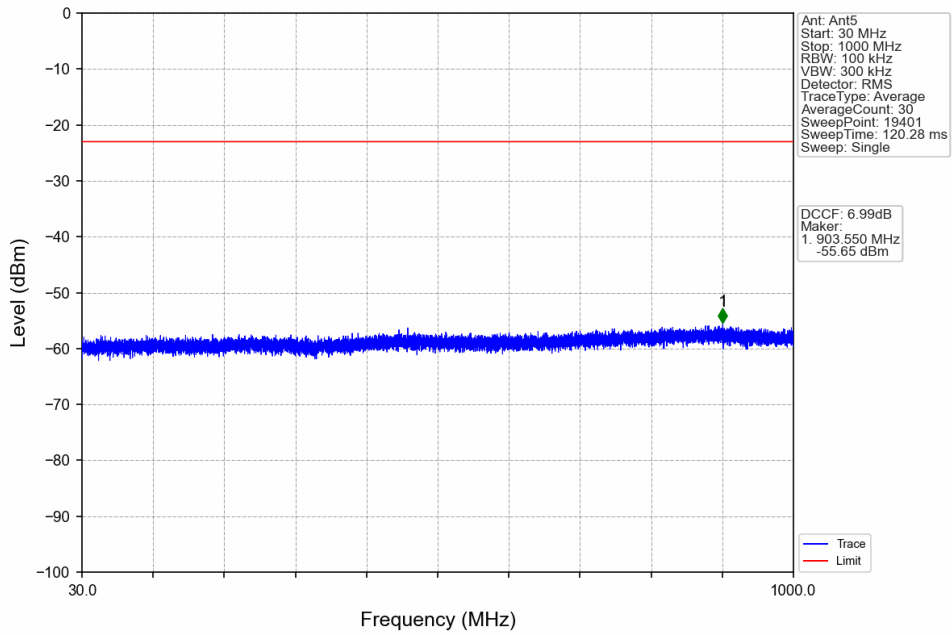
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



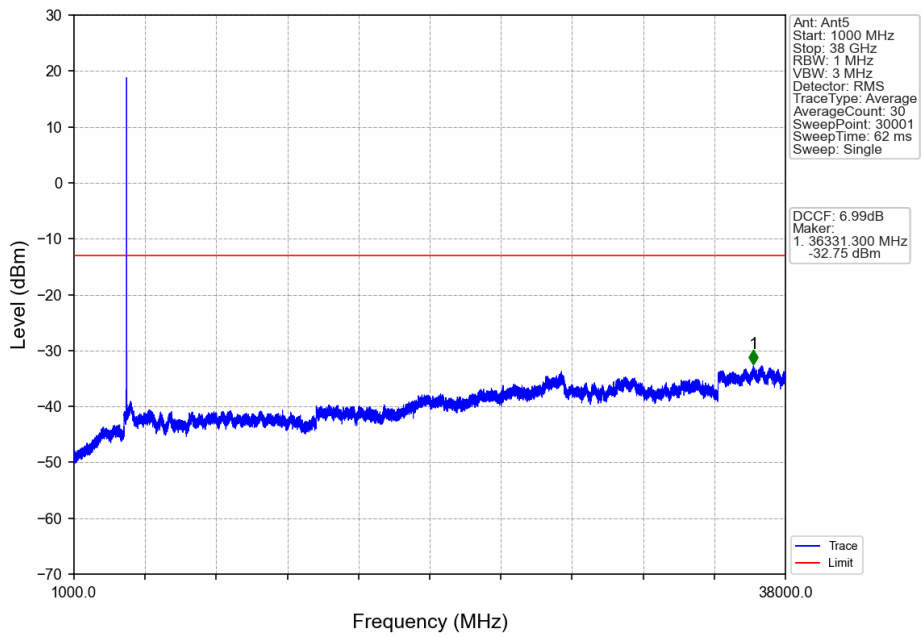
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



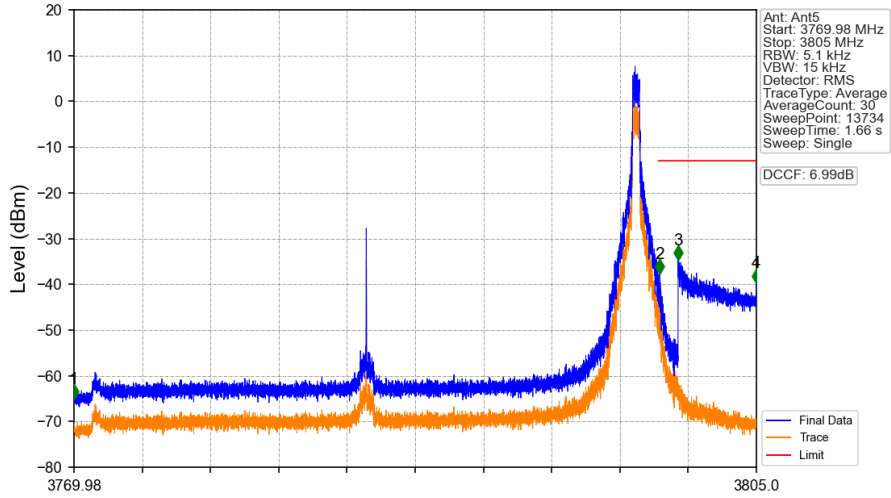
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left

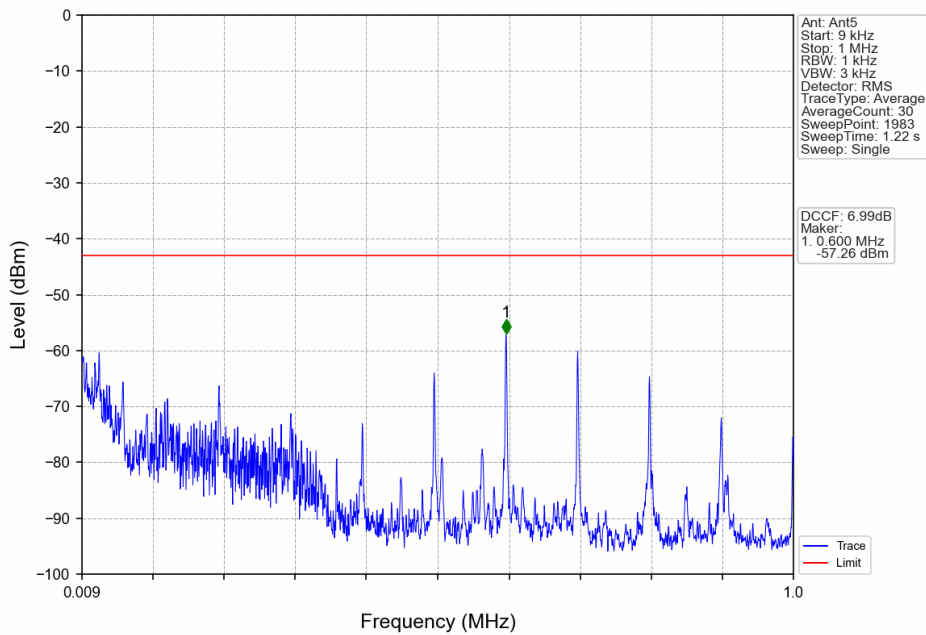


n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3784.98MHz\_Edge\_1RB\_Right

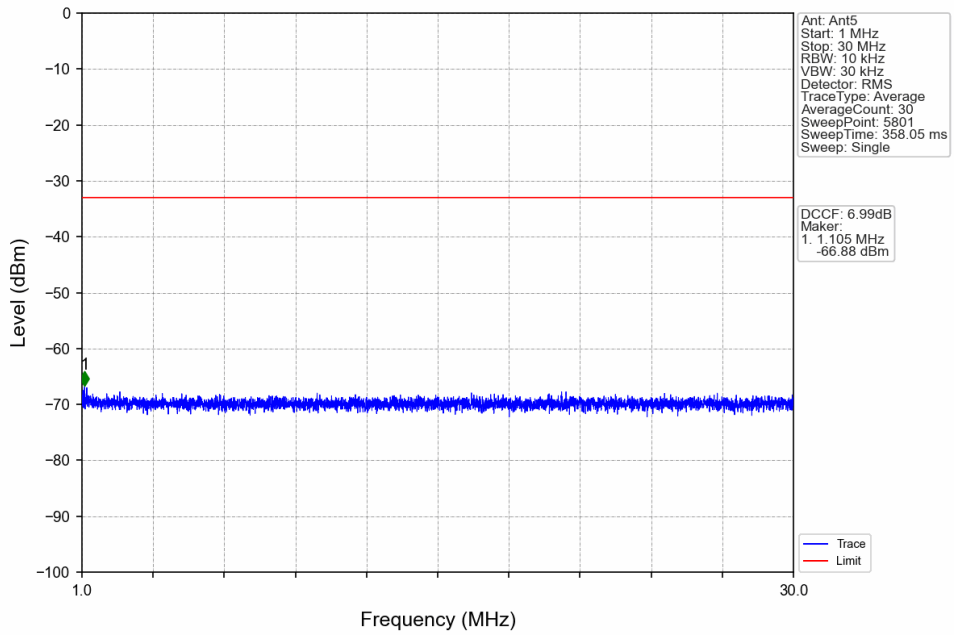


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.0051	0	1	3769.980	-64.98	-13	Pass
3799.98	3799.98	0.0051	0	/	/	/	/	/
3799.98	3800.98	0.0051	0	2	3800.038	-37.73	-13	Pass
3800.98	3804.98	0.5	19.91	3	3800.984	-34.73	-13	Pass
3804.98	3805	1	22.92	4	3804.995	-39.70	-13	Pass

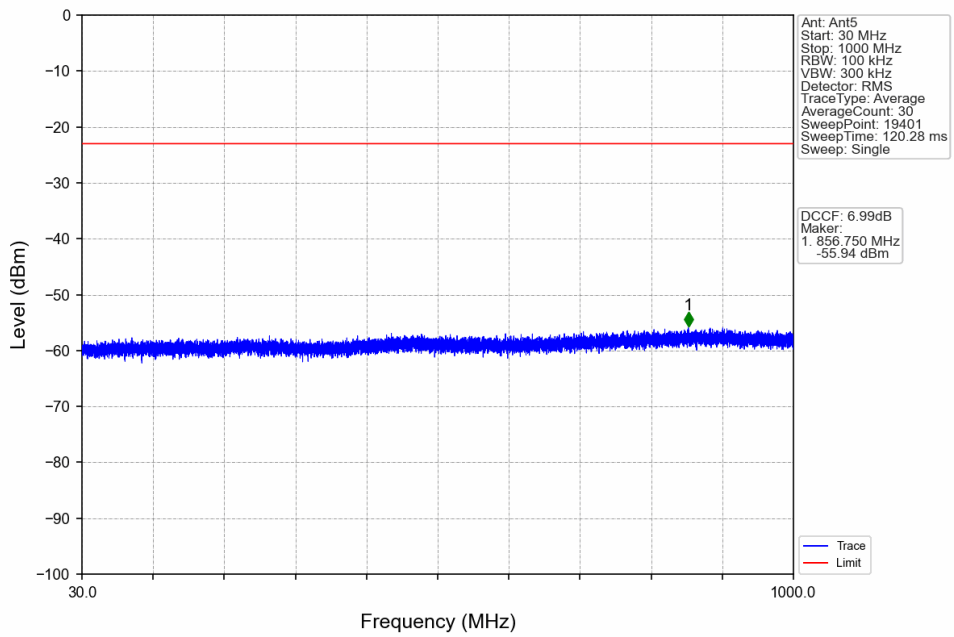
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3784.98MHz\_Edge\_1RB\_Right



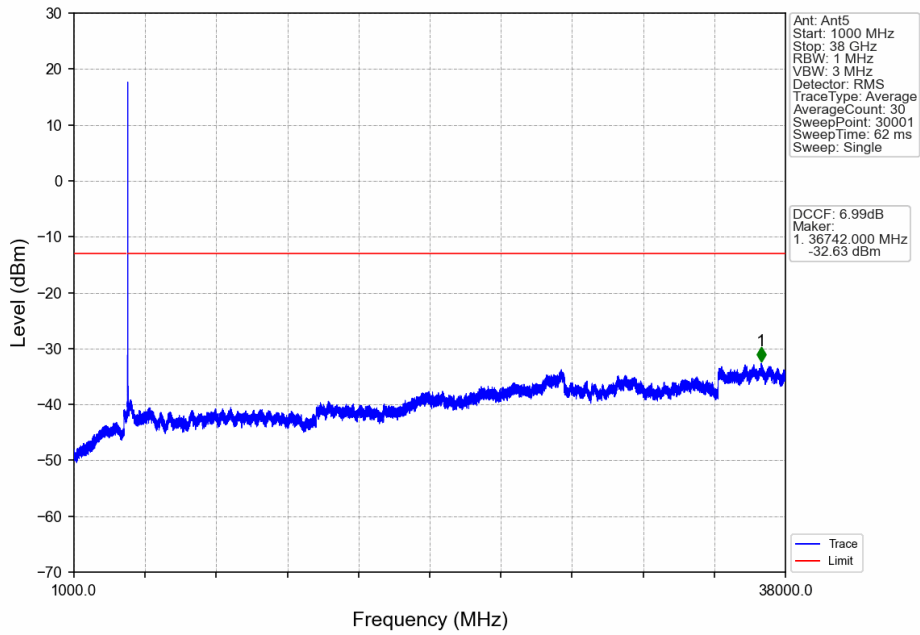
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3784.98MHz\_Edge\_1RB\_Right



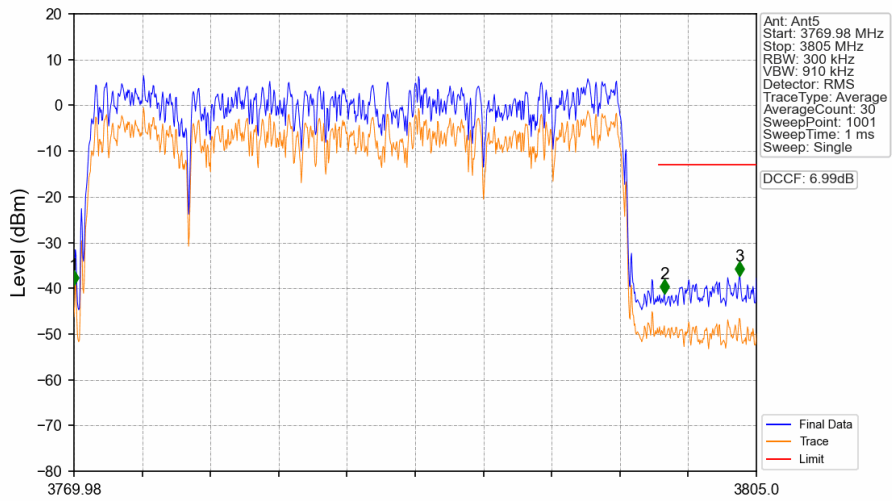
n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3784.98MHz\_Edge\_1RB\_Right



n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3784.98MHz\_Edge\_1RB\_Right

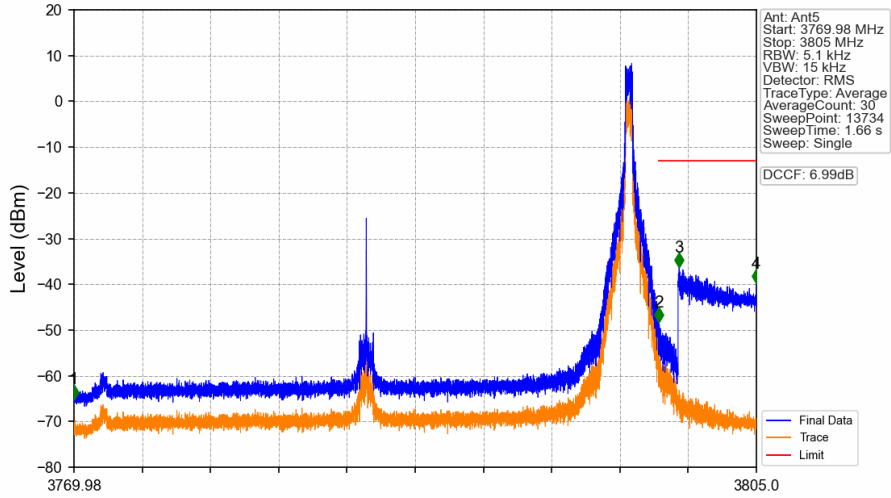


n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3784.98MHz\_Outer\_Full



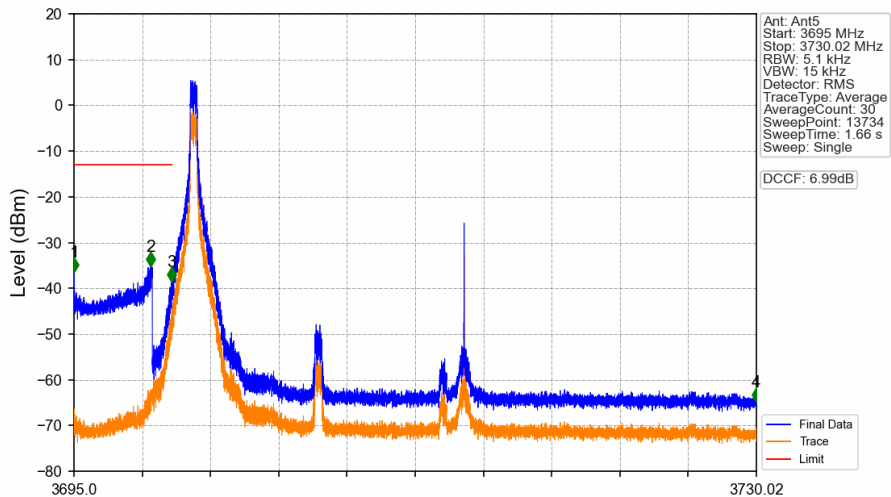
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.3	0	1	3769.980	-39.22	-13	Pass
3799.98	3799.98	0.3	0	/	/	/	/	/
3799.98	3800.98	0.3	0	2	3800.272	-41.22	-13	Pass
3800.98	3804.98	0.5	2.22	3	3804.124	-37.33	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3784.98MHz\_Inner\_1RB\_Right



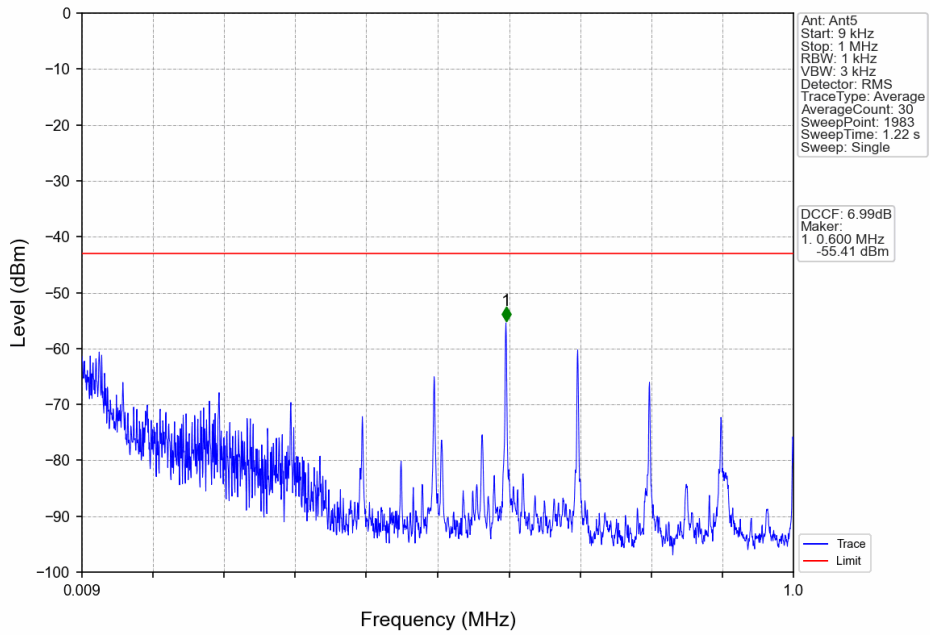
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.0051	0	1	3769.980	-65.12	-13	Pass
3799.98	3799.98	0.0051	0	/	/	/	/	/
3799.98	3800.98	0.0051	0	2	3799.981	-48.33	-13	Pass
3800.98	3804.98	0.5	19.91	3	3801.035	-36.28	-13	Pass
3804.98	3805	1	22.92	4	3804.992	-39.75	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3715.02MHz\_Edge\_1RB\_Left

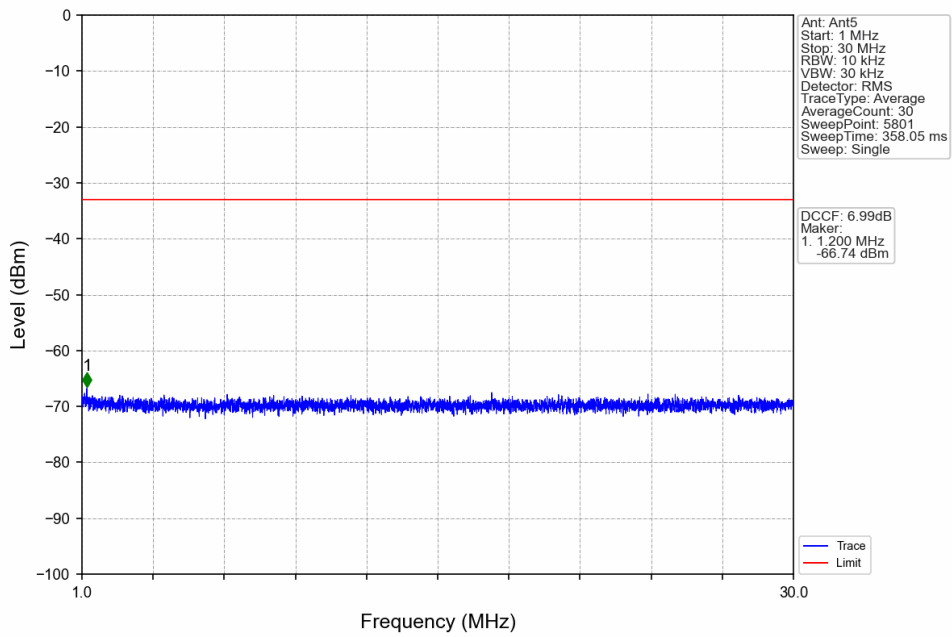


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	22.92	1	3695.010	-36.48	-13	Pass
3695.02	3699.02	0.5	19.91	2	3698.932	-35.27	-13	Pass
3699.02	3700.02	0.0051	0	3	3700.019	-38.51	-13	Pass
3700.02	3730.02	0.0051	0	4	3730.020	-64.84	-13	Pass

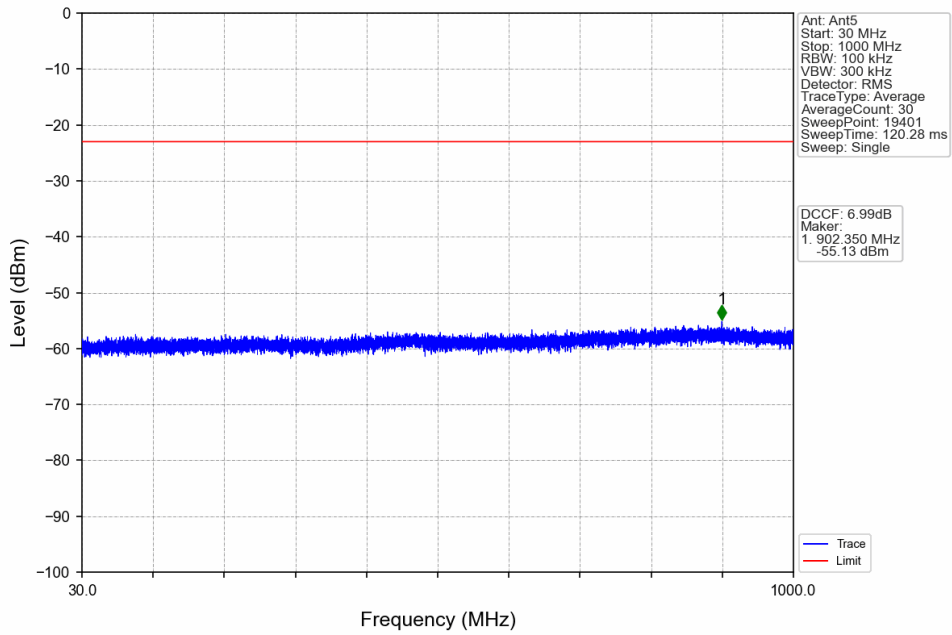
n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3715.02MHz\_Edge\_1RB\_Left



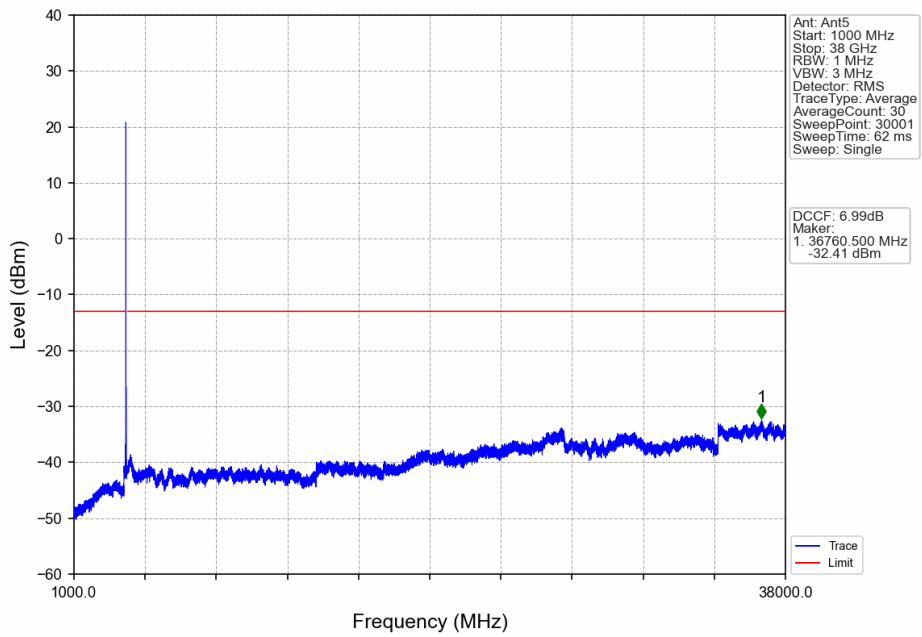
n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3715.02MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTV\_30MHz\_CP-OFDM\_QPSK\_3715.02MHz\_Edge\_1RB\_Left

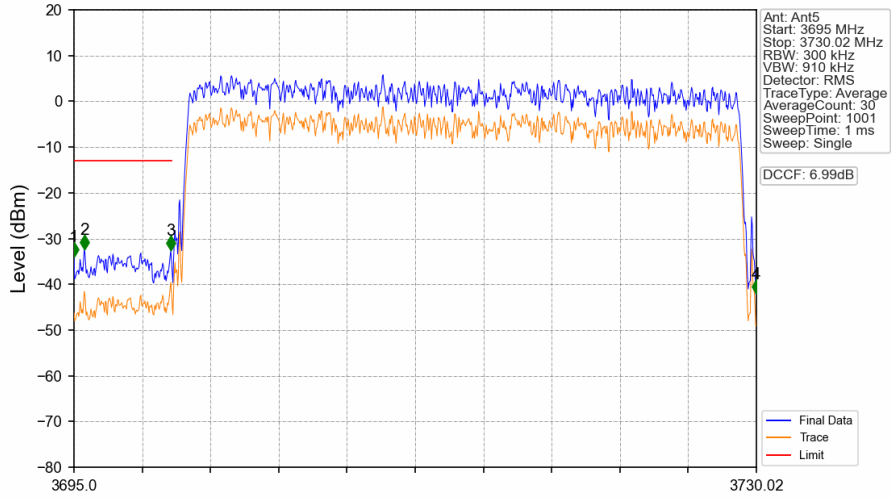


n78a\_30kHz\_SISO\_NTV\_30MHz\_CP-OFDM\_QPSK\_3715.02MHz\_Edge\_1RB\_Left



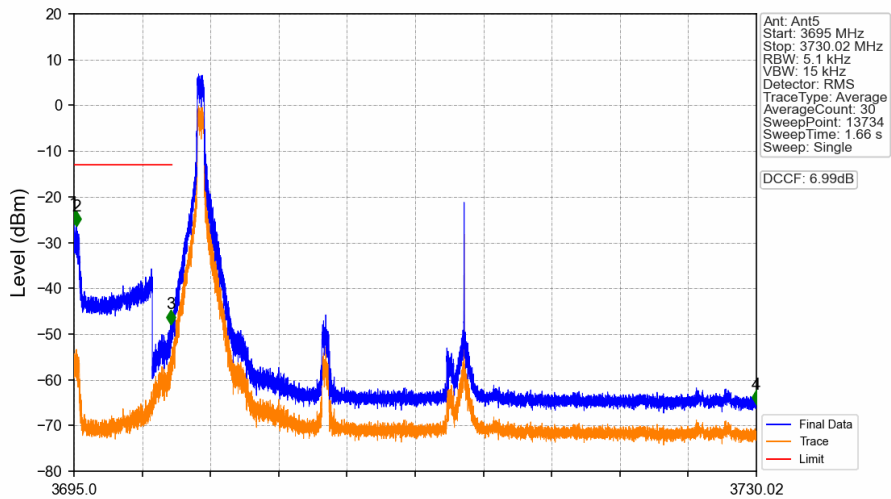


n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3715.02MHz\_Outer\_Full



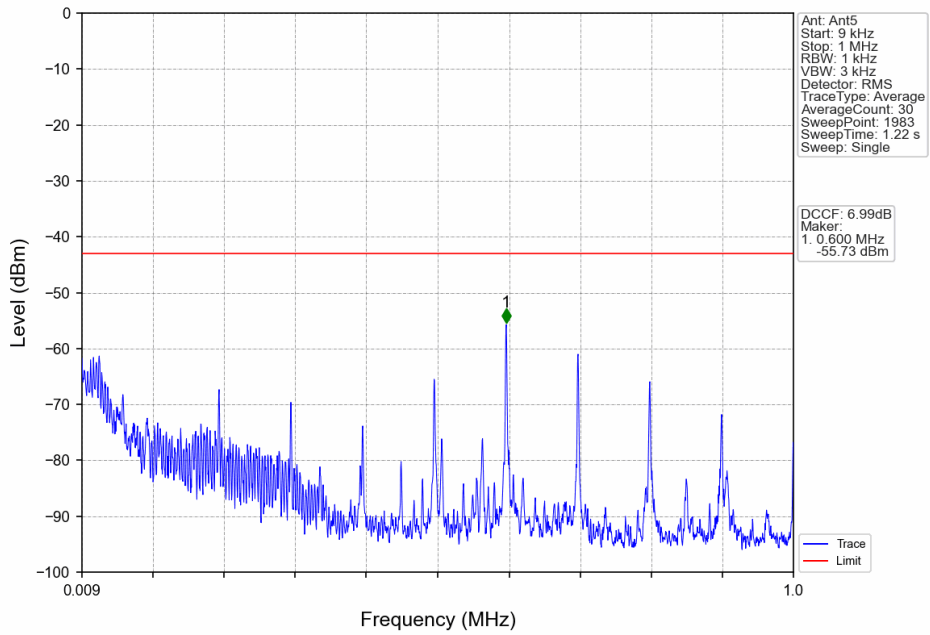
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	5.23	1	3695.000	-33.91	-13	Pass
3695.02	3699.02	0.5	2.22	2	3695.525	-32.34	-13	Pass
3699.02	3700.02	0.3	0	3	3699.973	-32.53	-13	Pass
3700.02	3730.02	0.3	0	4	3730.020	-42.05	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3715.02MHz\_Inner\_1RB\_Left

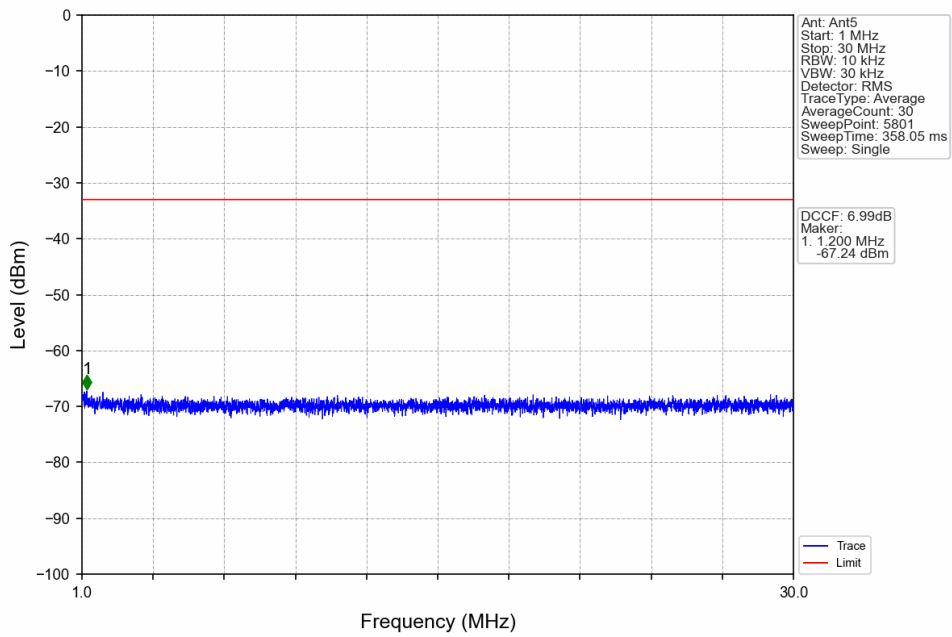


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3695.02	1	22.92	1	3695.000	-25.80	-13	Pass
3695.02	3699.02	0.5	19.91	2	3695.120	-26.45	-13	Pass
3699.02	3700.02	0.0051	0	3	3699.983	-47.84	-13	Pass
3700.02	3730.02	0.0051	0	4	3730.020	-65.33	-13	Pass

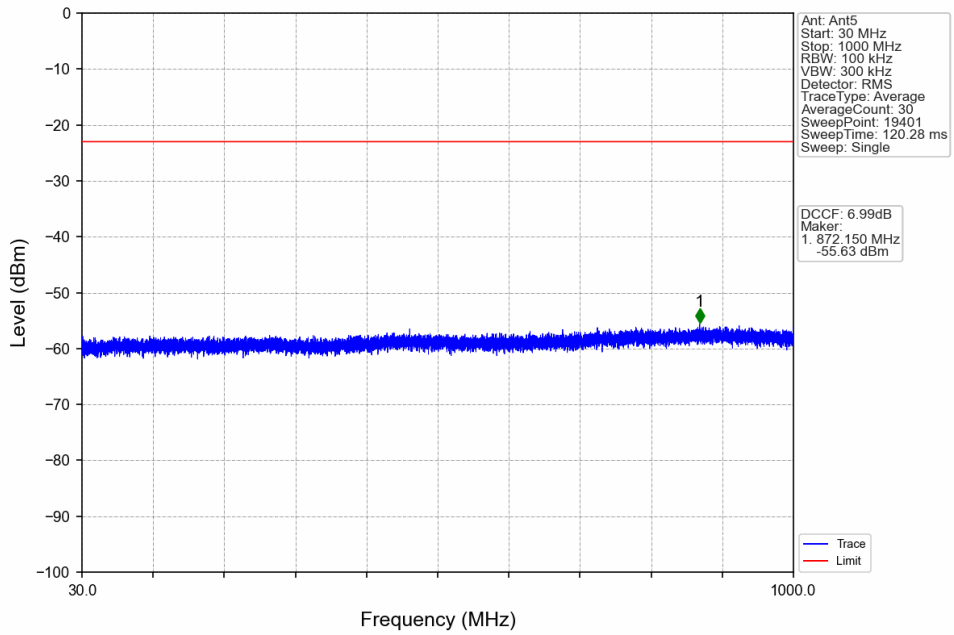
n78a\_30kHz\_SISO\_NTV\_30MHz\_CP-OFDM QPSK\_3750MHz\_Edge\_1RB\_Left



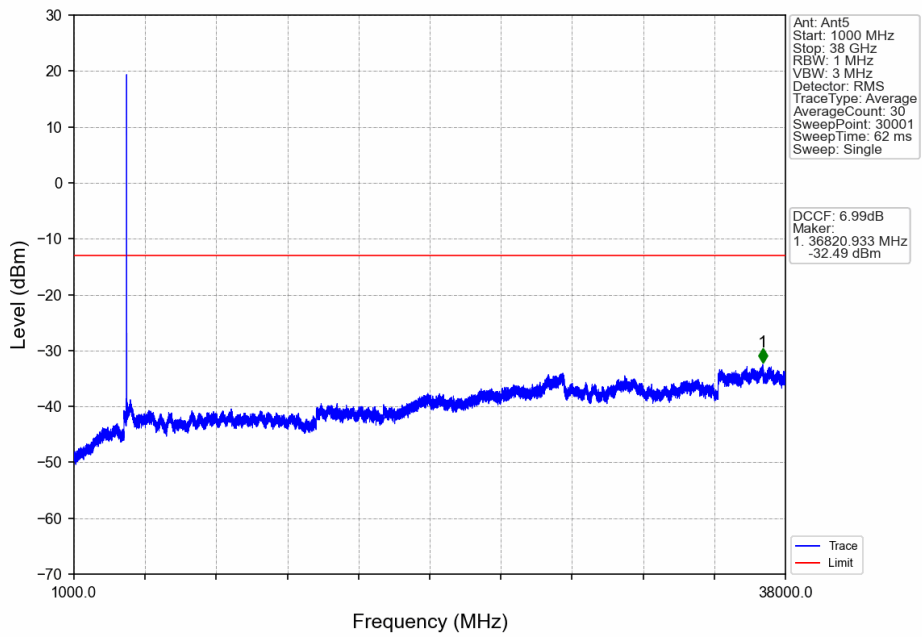
n78a\_30kHz\_SISO\_NTV\_30MHz\_CP-OFDM QPSK\_3750MHz\_Edge\_1RB\_Left



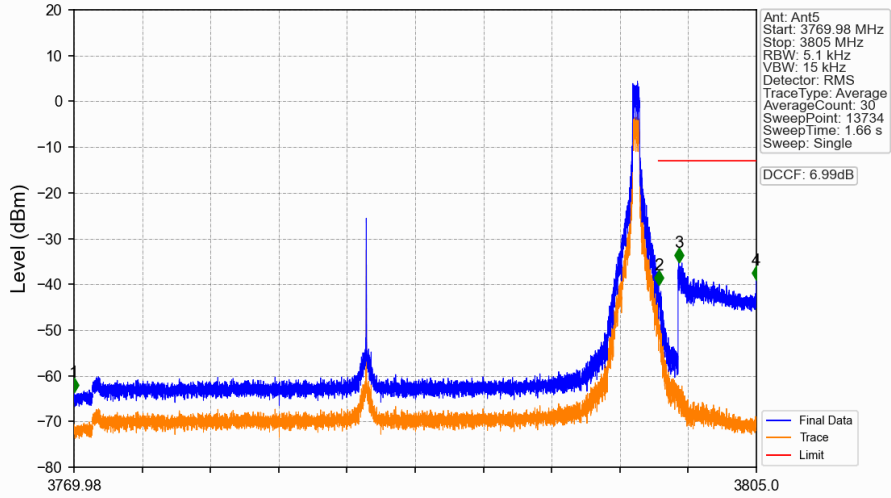
n78a\_30kHz\_SISO\_NTV\_30MHz\_CP-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTV\_30MHz\_CP-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left

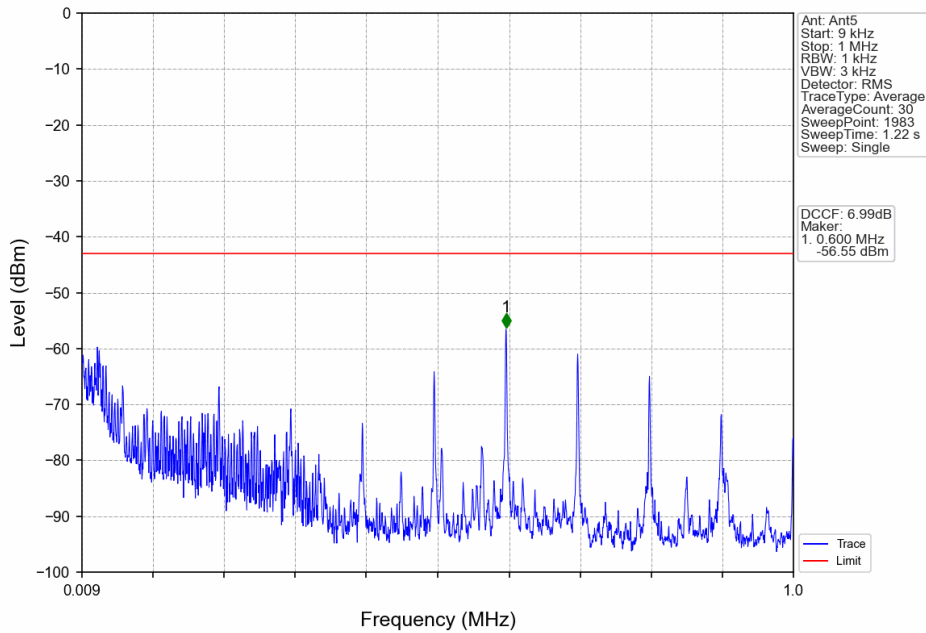


n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3784.98MHz\_Edge\_1RB\_Right

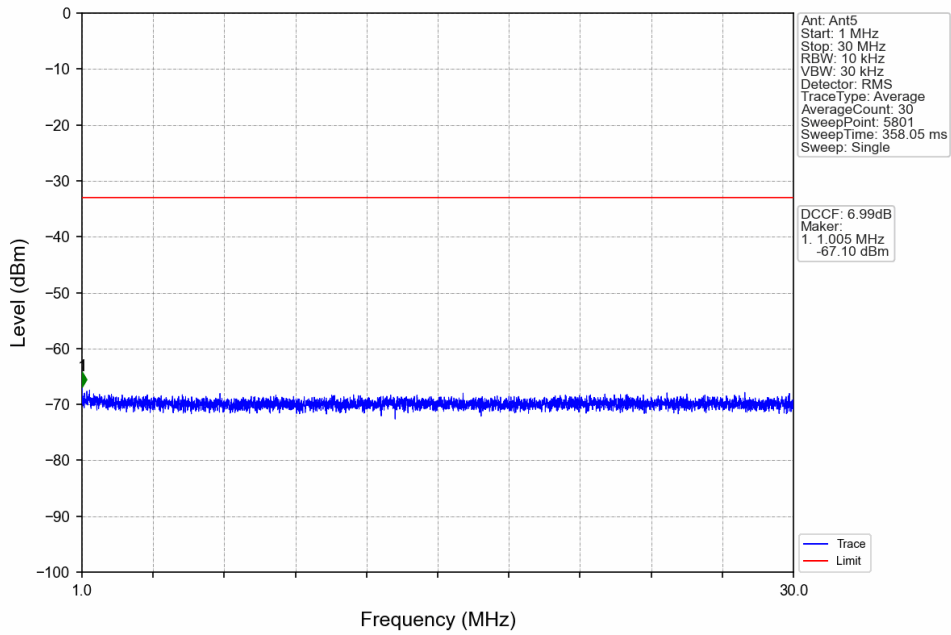


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.0051	0	1	3769.980	-63.62	-13	Pass
3799.98	3799.98	0.0051	0	/	/	/	/	/
3799.98	3800.98	0.0051	0	2	3799.981	-40.16	-13	Pass
3800.98	3804.98	0.5	19.91	3	3801.014	-35.22	-13	Pass
3804.98	3805	1	22.92	4	3804.997	-39.13	-13	Pass

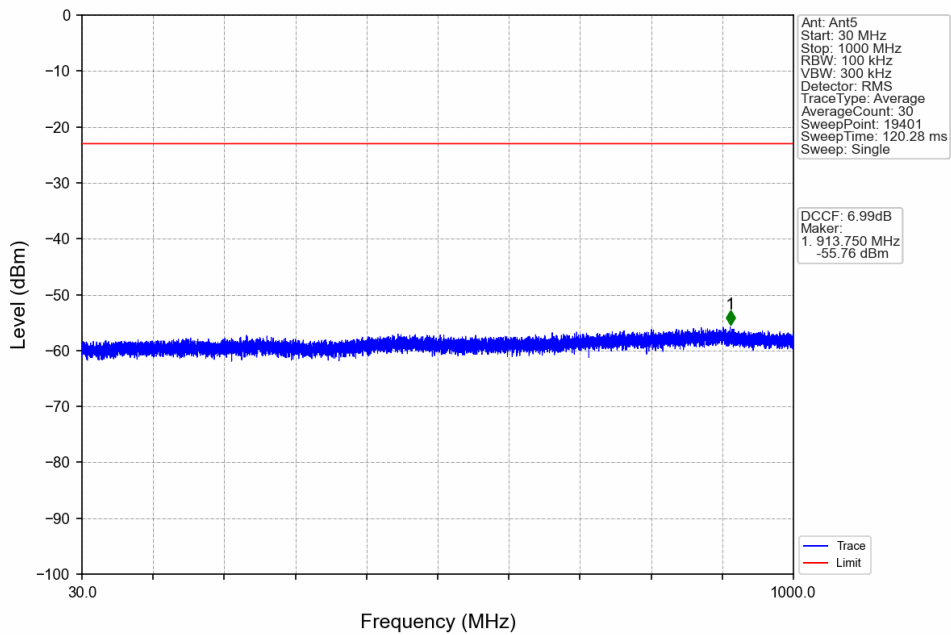
n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3784.98MHz\_Edge\_1RB\_Right



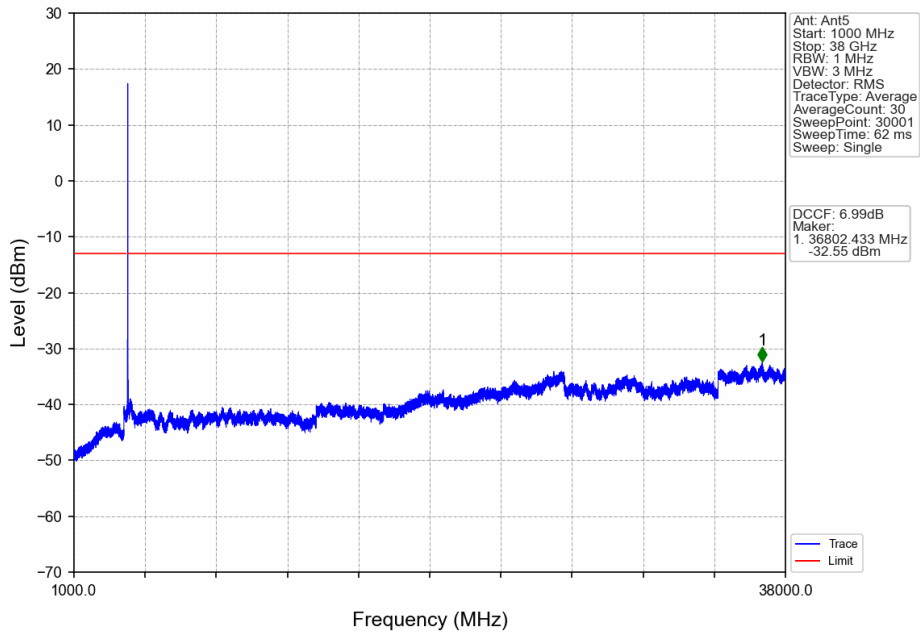
n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3784.98MHz\_Edge\_1RB\_Right



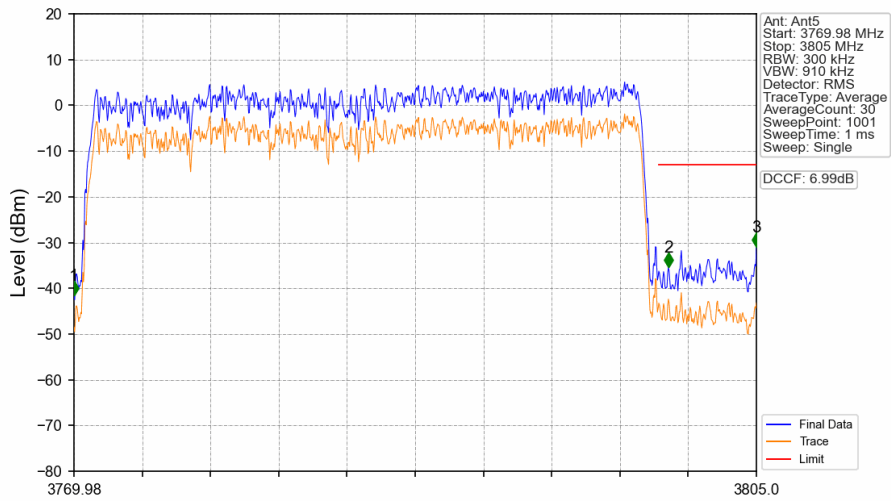
n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3784.98MHz\_Edge\_1RB\_Right



n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3784.98MHz\_Edge\_1RB\_Right

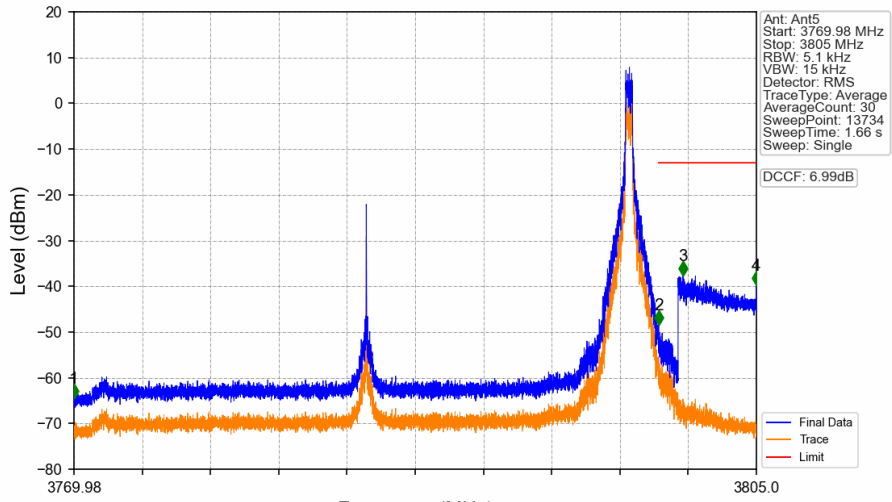


n78a\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3784.98MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3769.98	3799.98	0.3	0	1	3769.980	-41.53	-13	Pass
3799.98	3799.98	0.3	0	/	/	/	/	/
3799.98	3800.98	0.3	0	2	3800.482	-35.39	-13	Pass
3800.98	3804.98	0.5	2.22	3	3805.000	-30.97	-13	Pass

n78a\_30kHz\_SISO\_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	-64.54	-13	Pass
3799.98	3799.98	0.0051	0	/	/	/	/	/
3799.98	3800.98	0.0051	0	2	3799.984	-48.45	-13	Pass
3800.98	3804.98	0.5	19.91	3	3801.231	-37.75	-13	Pass
3804.98	3805	1	22.92	4	3805.000	-39.85	-13	Pass

### 1.3 30k\_SISO\_40MHz\_NTNV

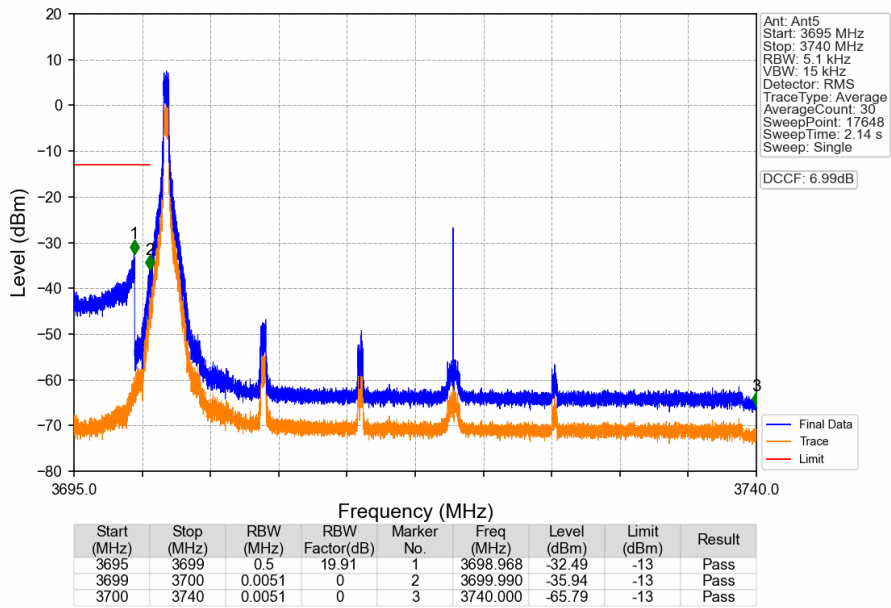
#### 1.3.1 Test Result

5G NR n78a SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3720	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3780	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
CP-OFDM QPSK	3720	Inner_1RB_Right	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3780	Inner_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
3780	Outer_Full	Refer To Test Graph				Pass	
	Inner_1RB_Right	Refer To Test Graph				Pass	

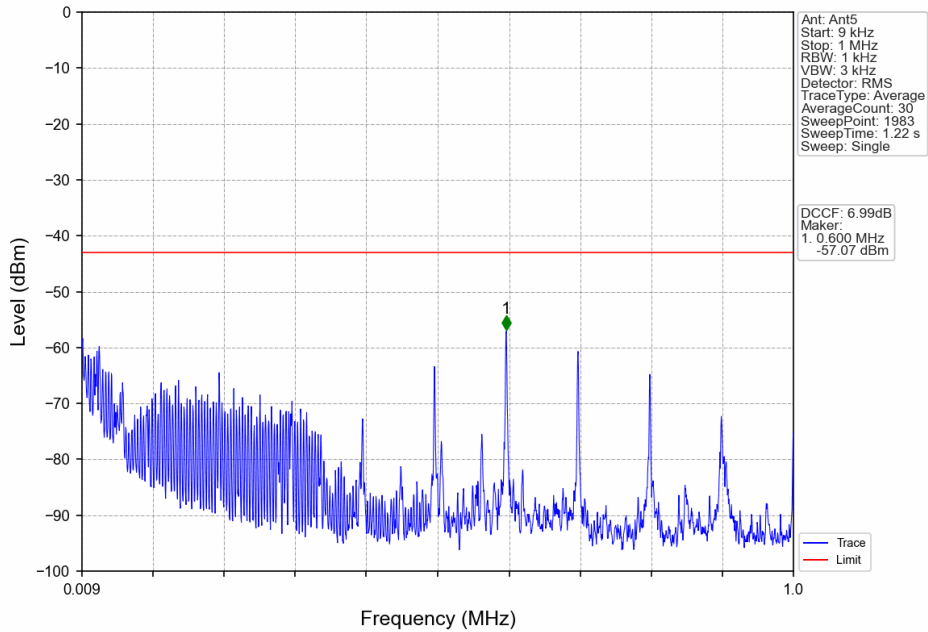


### 1.3.2 Test Graph

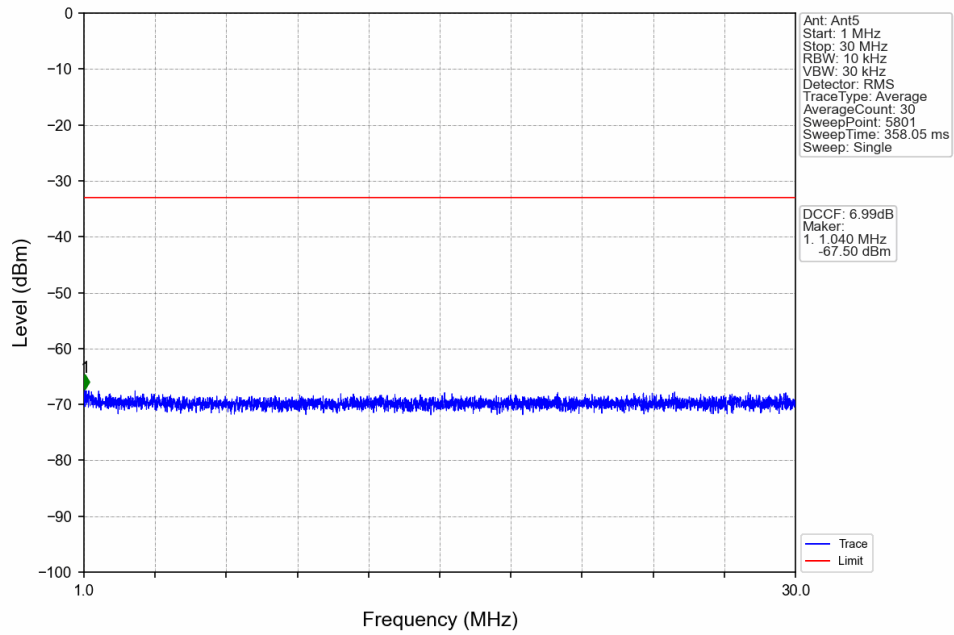
n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3720MHz\_Edge\_1RB\_Left



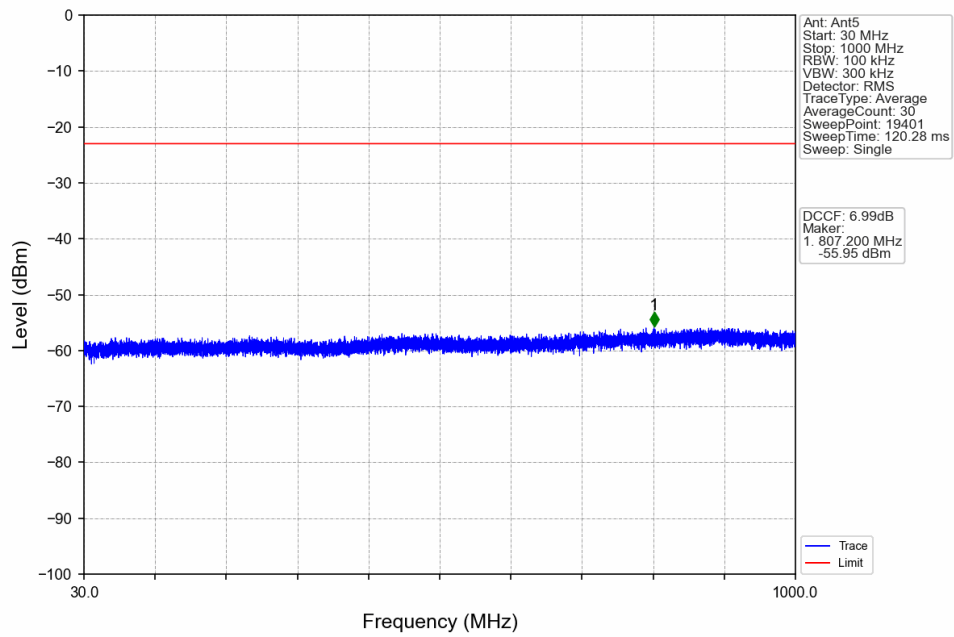
n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3720MHz\_Edge\_1RB\_Left



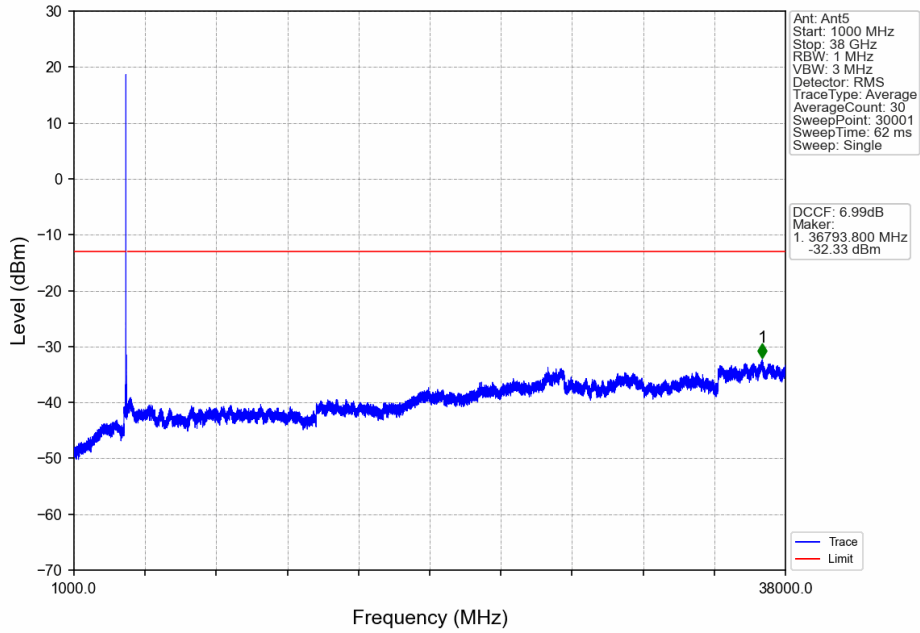
n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3720MHz\_Edge\_1RB\_Left



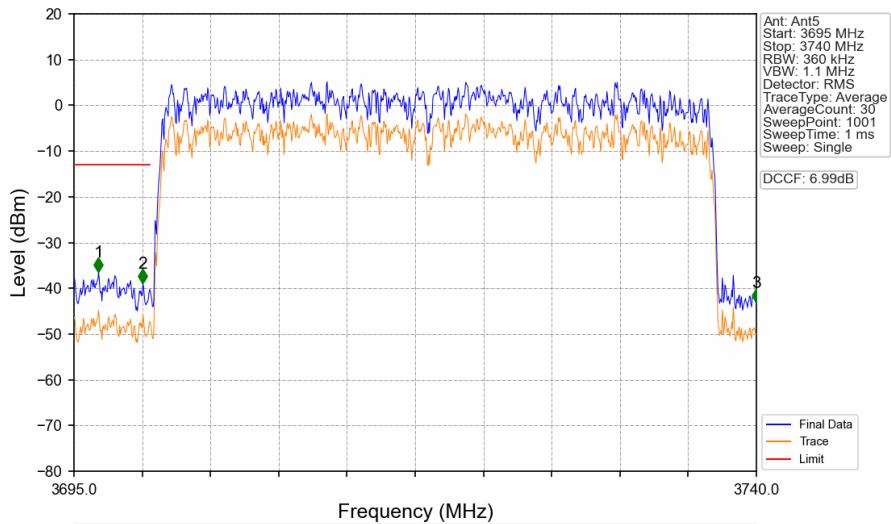
n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3720MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3720MHz\_Edge\_1RB\_Left

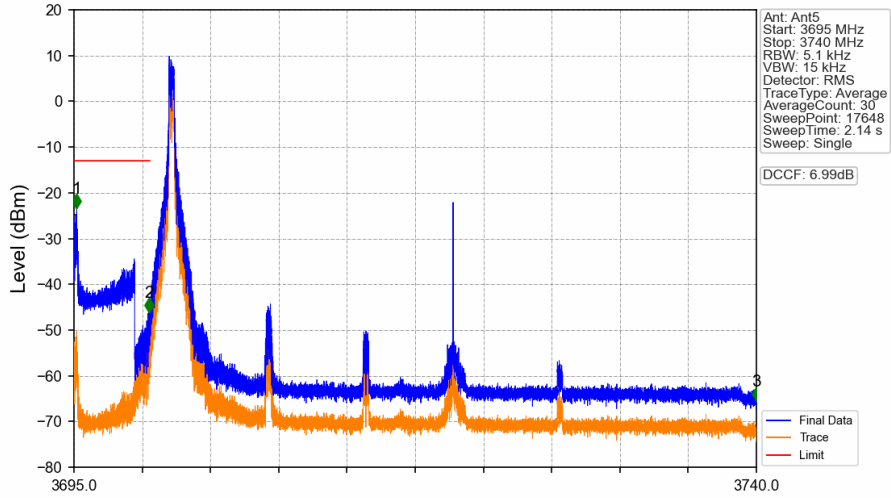


n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3720MHz\_Outer\_Full



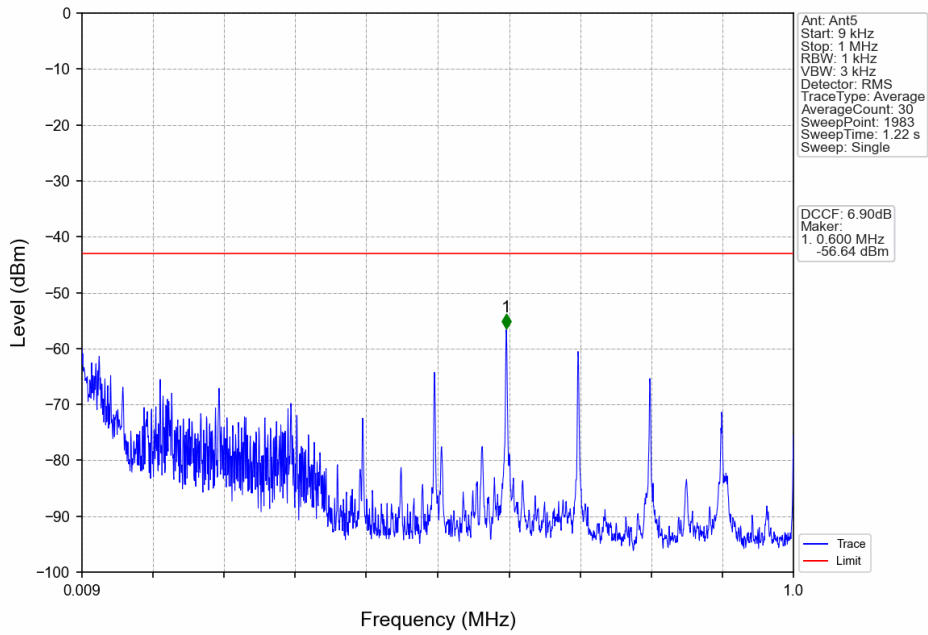
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	1.43	1	3696.620	-36.41	-13	Pass
3699	3700	0.36	0	2	3699.545	-38.90	-13	Pass
3700	3740	0.36	0	3	3740.000	-43.11	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3720MHz\_Inner\_1RB\_Left

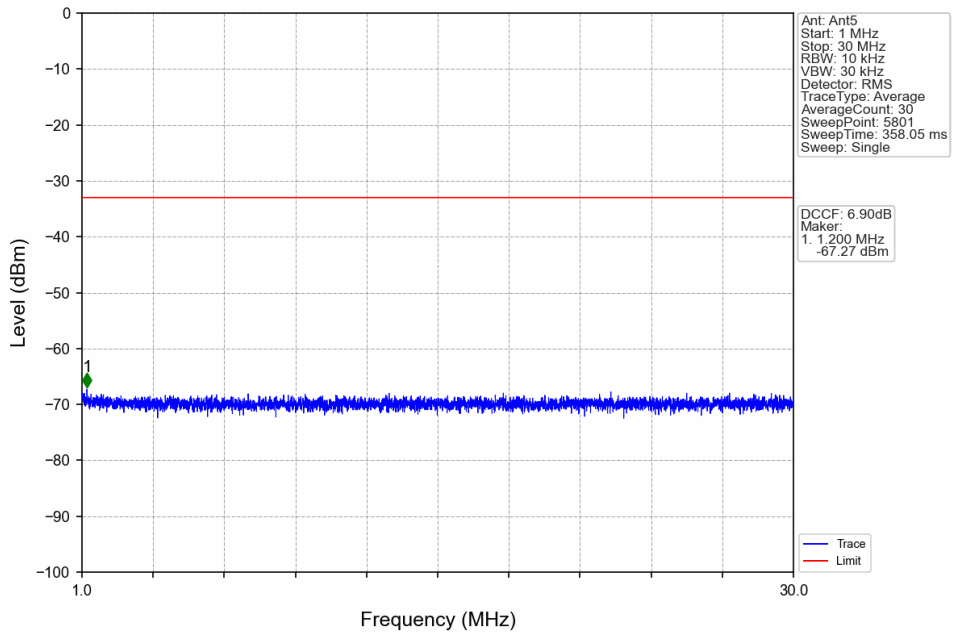


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	19.91	1	3695.184	-23.42	-13	Pass
3699	3700	0.0051	0	2	3699.960	-46.10	-13	Pass
3700	3740	0.0051	0	3	3740.000	-65.49	-13	Pass

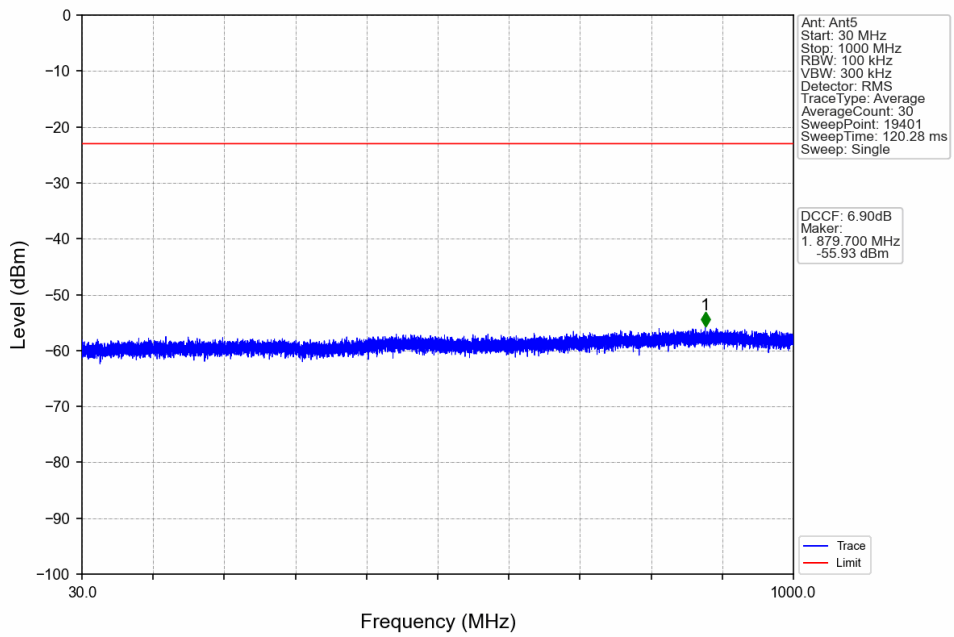
n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



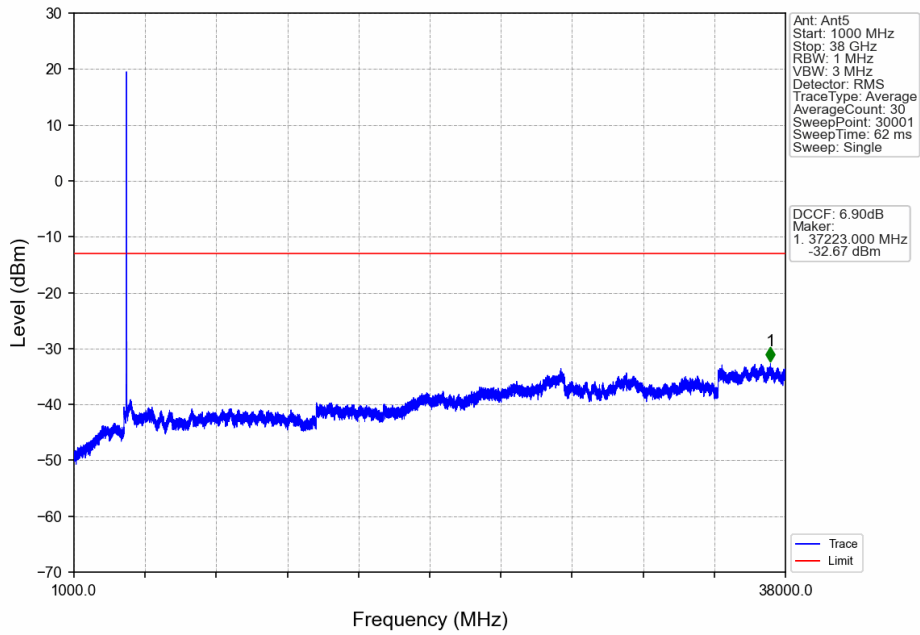
n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



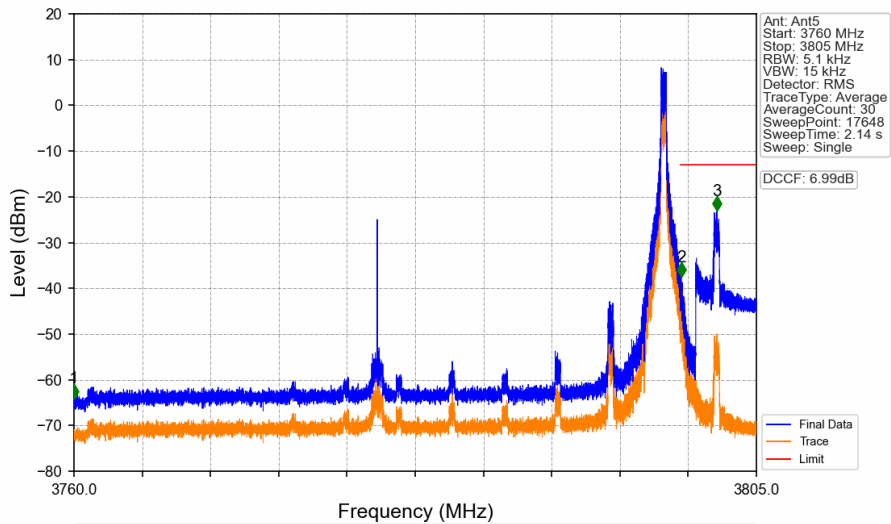
n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left

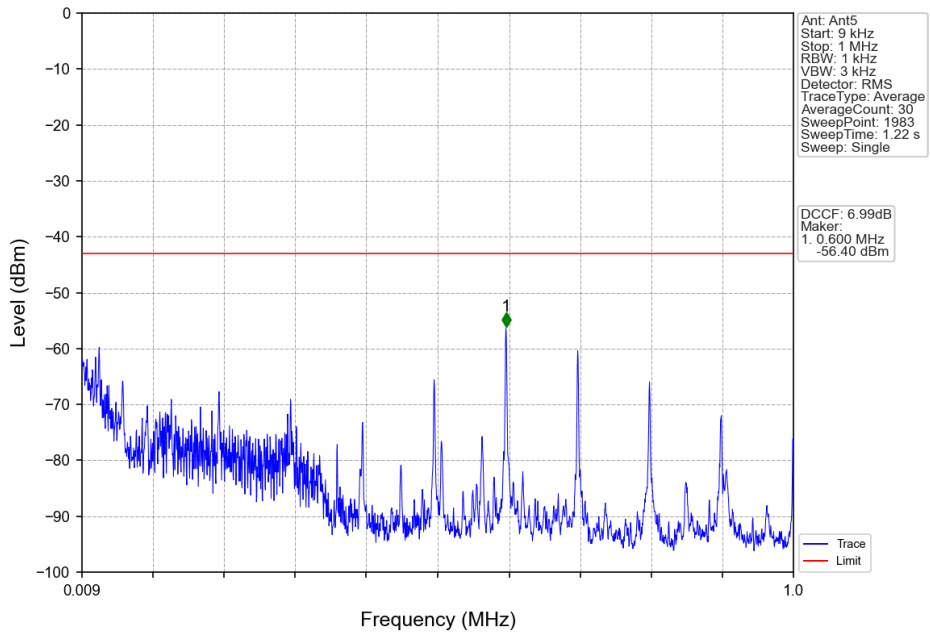


n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3780MHz\_Edge\_1RB\_Right

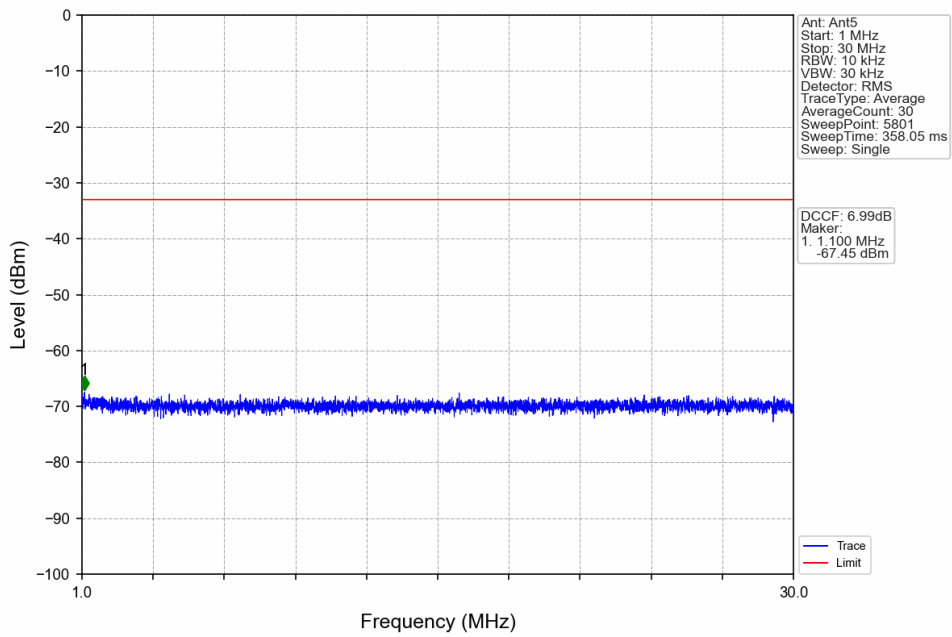


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3760	3800	0.0051	0	1	3760.000	-64.06	-13	Pass
3800	3800	0.0051	0	/	/	/	/	/
3800	3801	0.0051	0	2	3800.040	-37.49	-13	Pass
3801	3805	0.5	19.91	3	3802.396	-23.07	-13	Pass

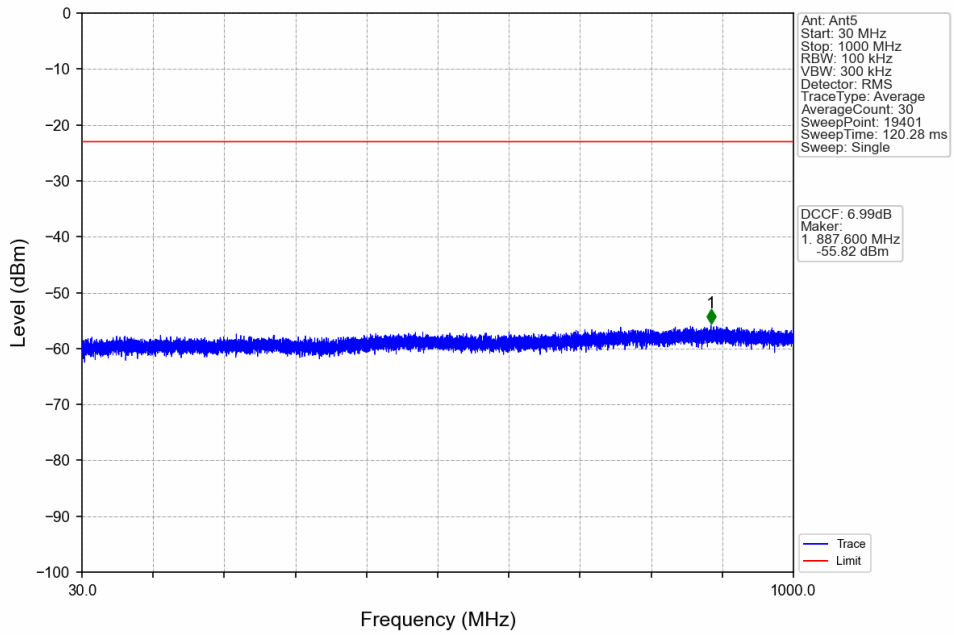
n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3780MHz\_Edge\_1RB\_Right



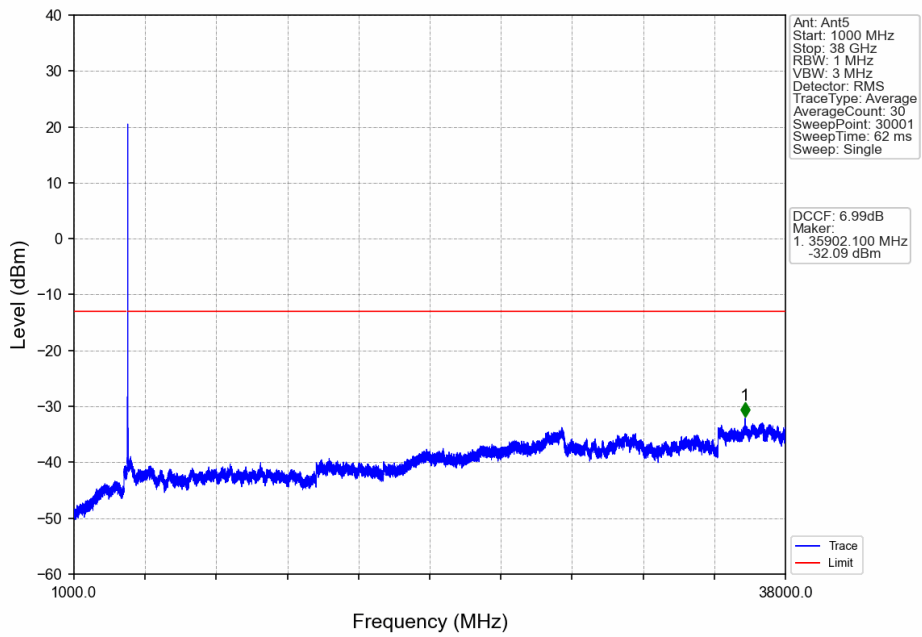
n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3780MHz\_Edge\_1RB\_Right



n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3780MHz\_Edge\_1RB\_Right

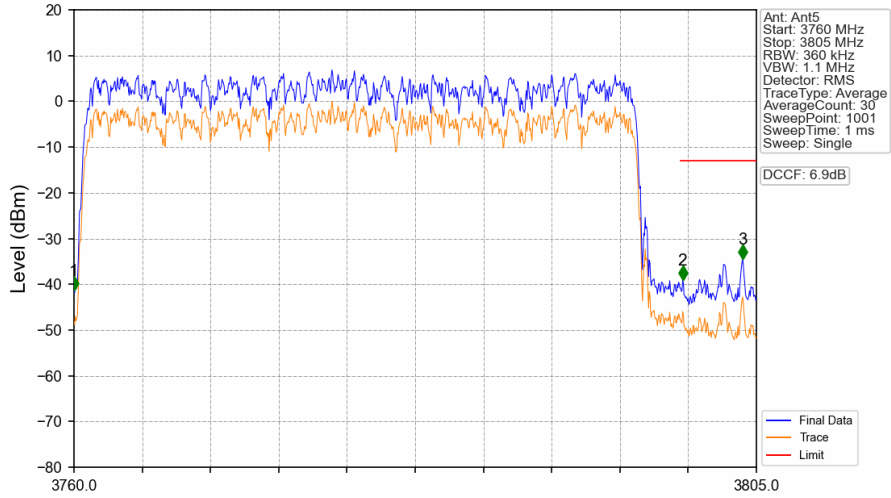


n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3780MHz\_Edge\_1RB\_Right



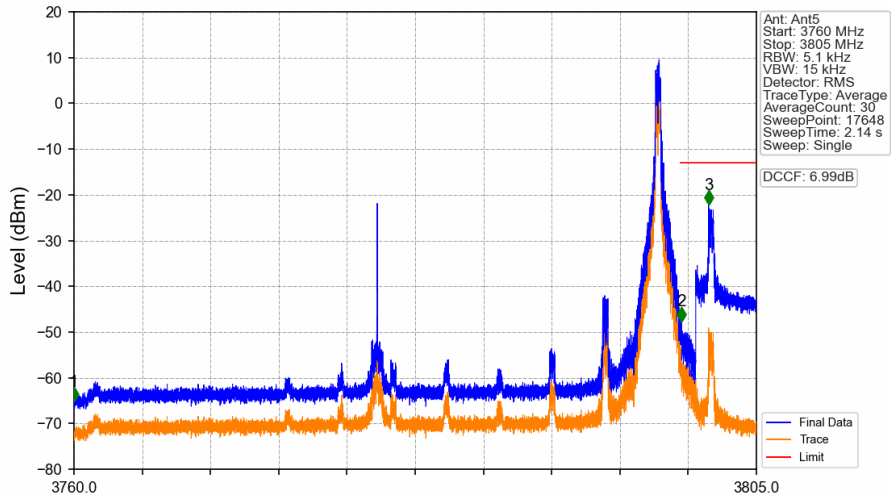


n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3780MHz\_Outer\_Full



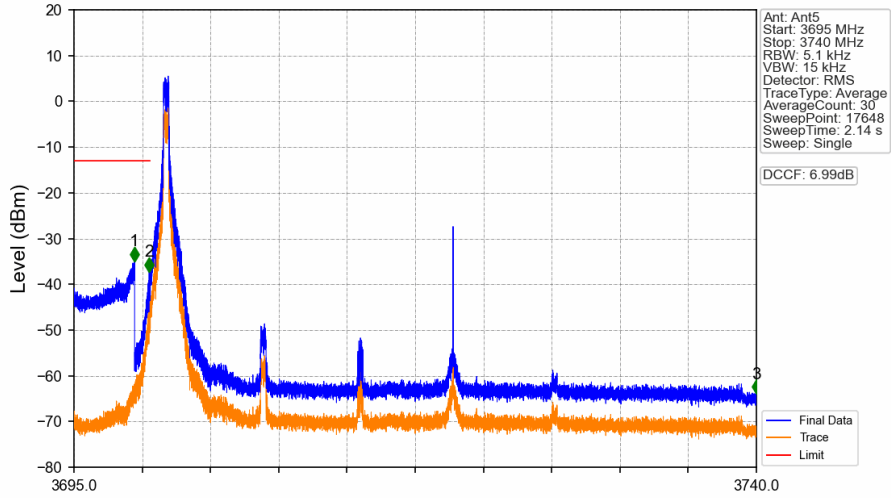
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3760	3800	0.36	0	1	3760.000	-41.33	-13	Pass
3800	3800	0.36	0	/	/	/	/	/
3800	3801	0.36	0	2	3800.140	-39.06	-13	Pass
3801	3805	0.5	1.43	3	3804.100	-34.46	-13	Pass

n78a\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3780MHz\_Inner\_1RB\_Right



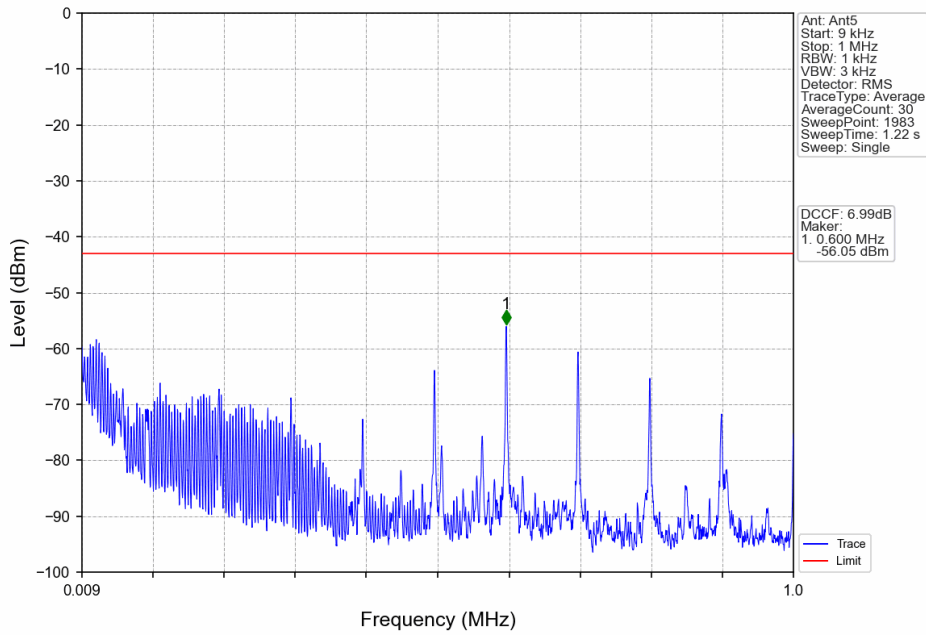
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3760	3800	0.0051	0	1	3760.000	-65.25	-13	Pass
3800	3800	0.0051	0	/	/	/	/	/
3800	3801	0.0051	0	2	3800.038	-47.66	-13	Pass
3801	3805	0.5	19.91	3	3801.846	-22.17	-13	Pass

n78a\_30kHz\_SISO\_NTV\_40MHz\_CP-OFDM\_QPSK\_3720MHz\_Edge\_1RB\_Left

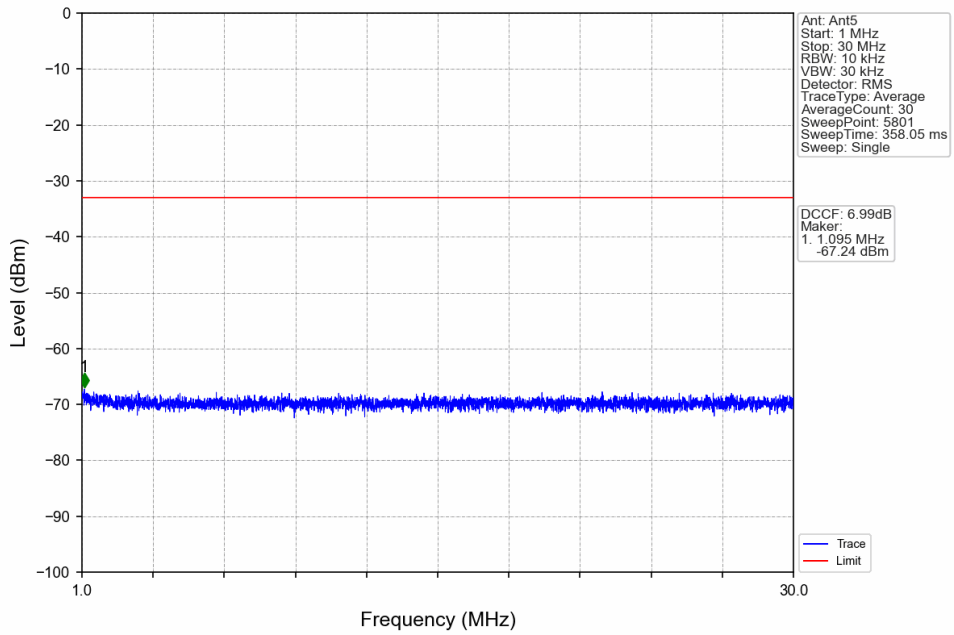


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	19.91	1	3698.988	-34.95	-13	Pass
3699	3700	0.0051	0	2	3699.957	-37.24	-13	Pass
3700	3740	0.0051	0	3	3740.000	-63.97	-13	Pass

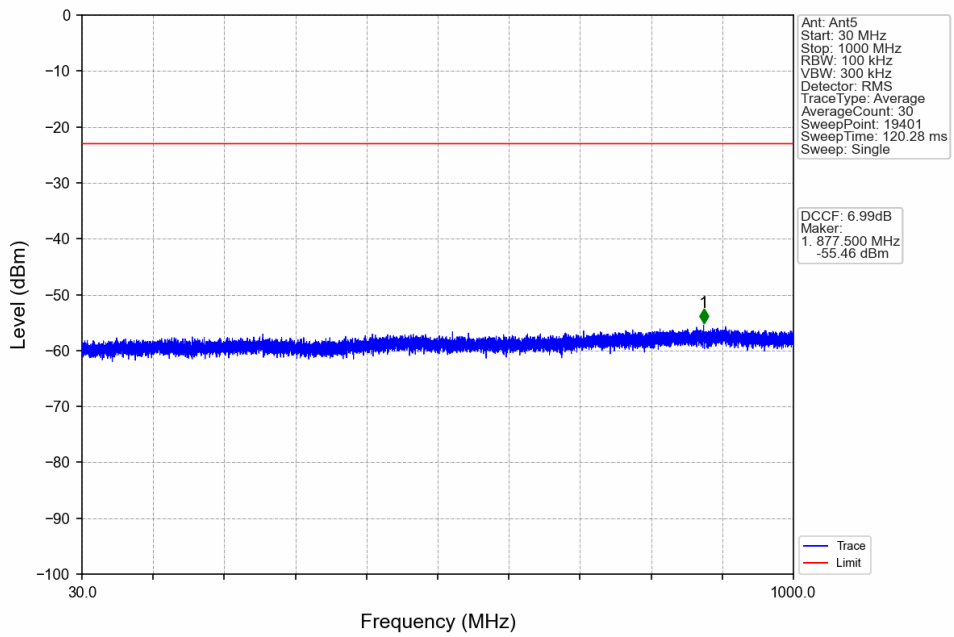
n78a\_30kHz\_SISO\_NTV\_40MHz\_CP-OFDM\_QPSK\_3720MHz\_Edge\_1RB\_Left



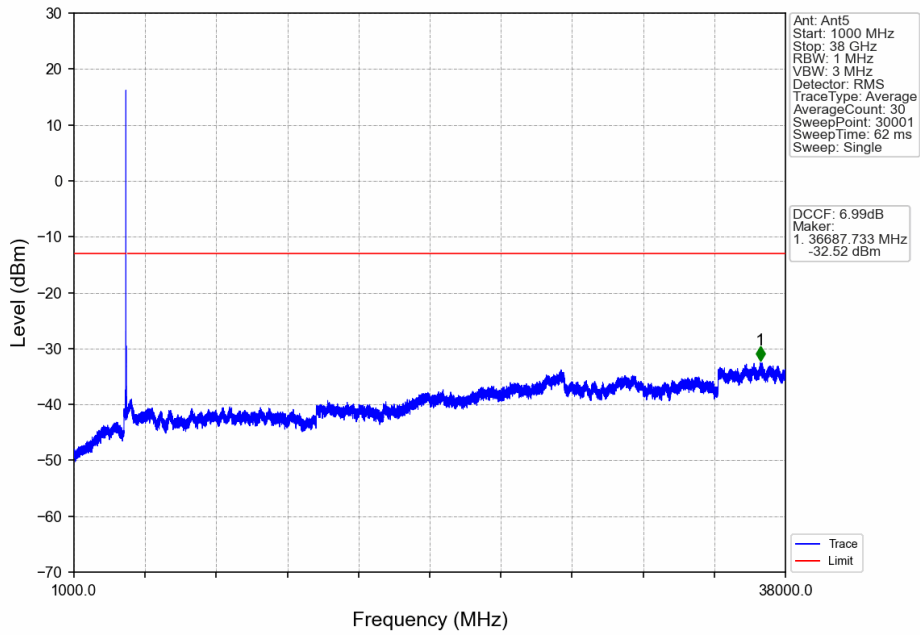
n78a\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3720MHz\_Edge\_1RB\_Left



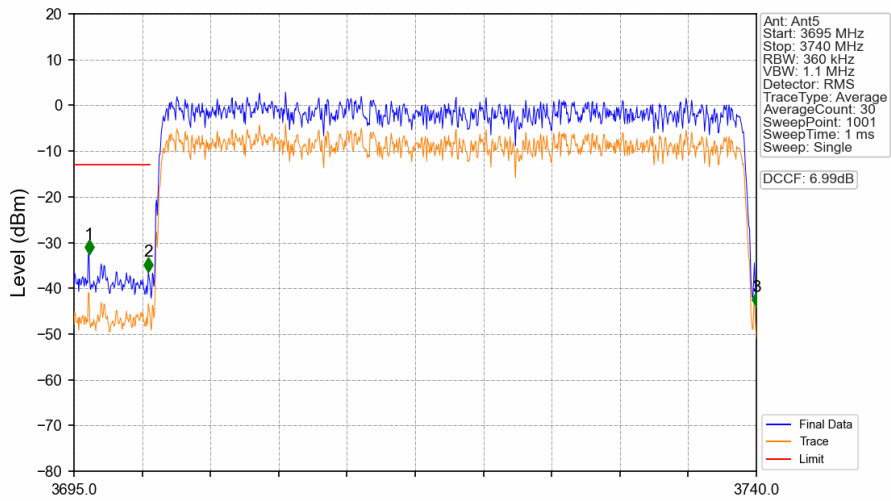
n78a\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3720MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3720MHz\_Edge\_1RB\_Left

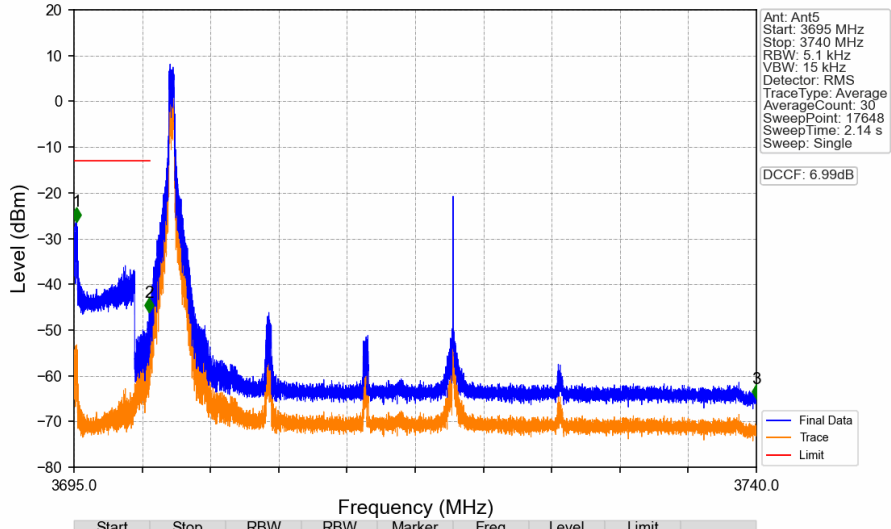


n78a\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3720MHz\_Outer\_Full

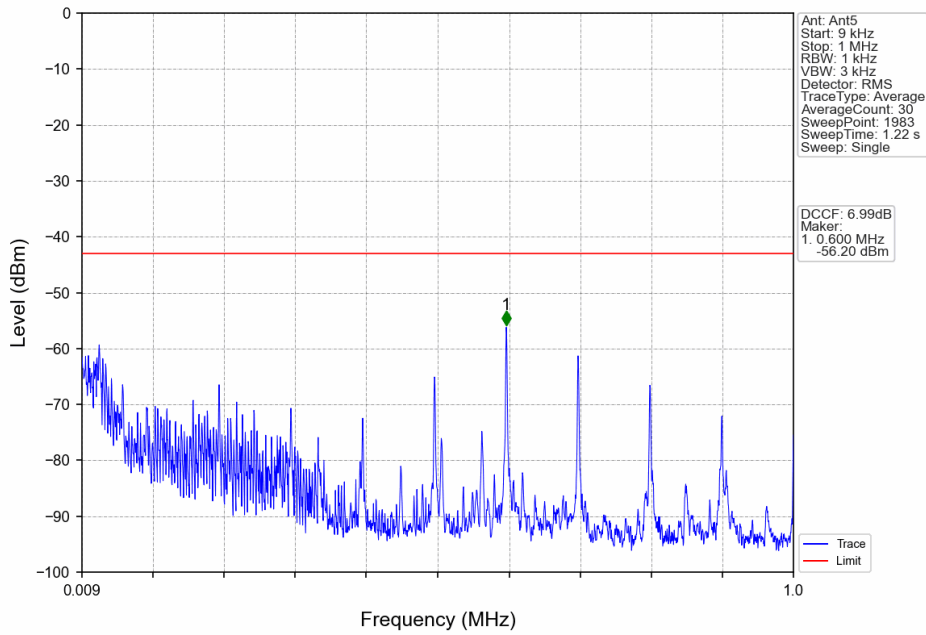


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3695	3699	0.5	1.43	1	3695.990	-32.53	-13	Pass
3699	3700	0.36	0	2	3699.905	-36.36	-13	Pass
3700	3740	0.36	0	3	3740.000	-44.04	-13	Pass

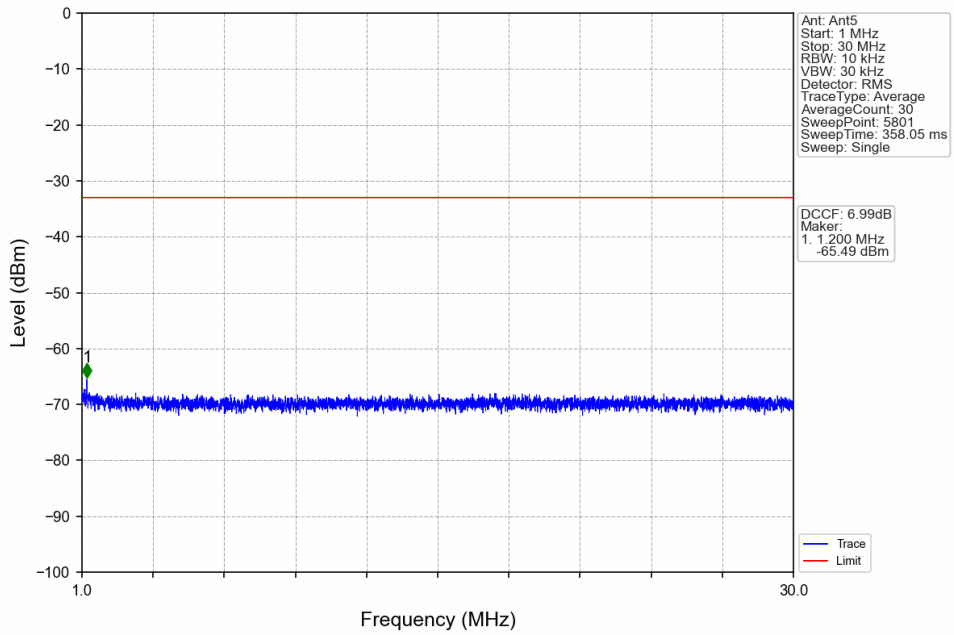
n78a\_30kHz\_SISO\_NTV\_40MHz\_CP-OFDM\_QPSK\_3720MHz\_Inner\_1RB\_Left



n78a\_30kHz\_SISO\_NTV\_40MHz\_CP-OFDM\_QPSK\_3750MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3750MHz\_Edge\_1RB\_Left



n78a\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM QPSK\_3750MHz\_Edge\_1RB\_Left

