

# 1. Spurious Emission

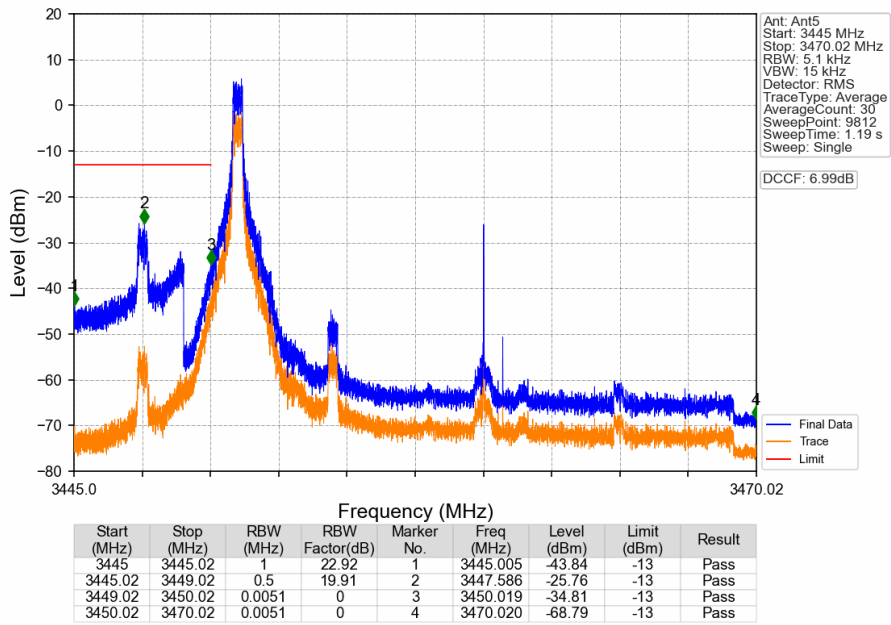
## 1.1 30k\_SISO\_20MHz\_NTNV

### 1.1.1 Test Result

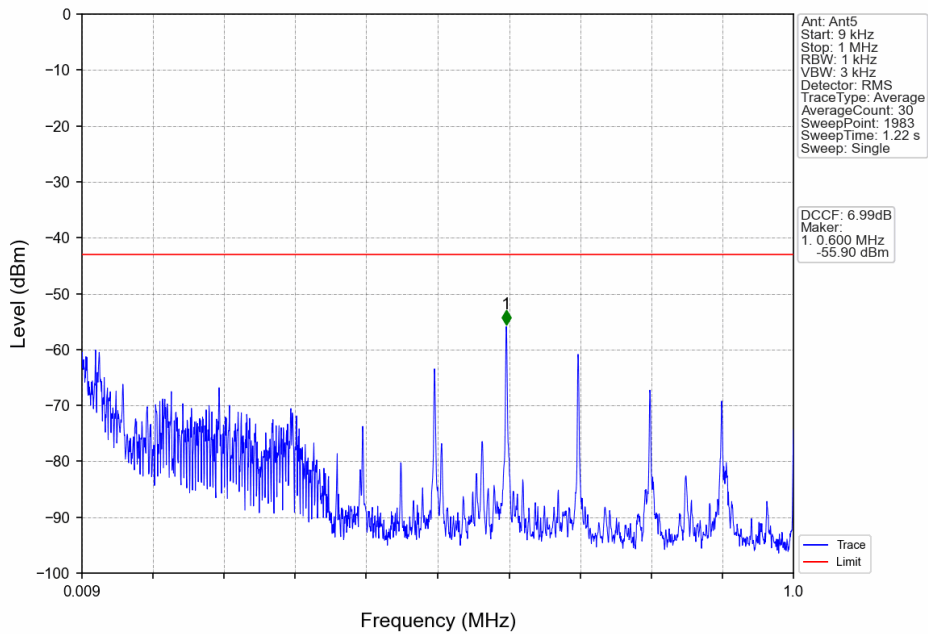
5G NR n78e SCS=30kHz SISO 20MHz NTNv							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
			Ant5	Ant2	Sum	Limit	
DFT-s-OFDM QPSK	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3540	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	3460.02	Edge_1RB_Left	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
		Inner_1RB_Left	Refer To Test Graph				Pass
	3500.01	Edge_1RB_Left	Refer To Test Graph				Pass
		Edge_1RB_Right	Refer To Test Graph				Pass
		Outer_Full	Refer To Test Graph				Pass
	3540	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

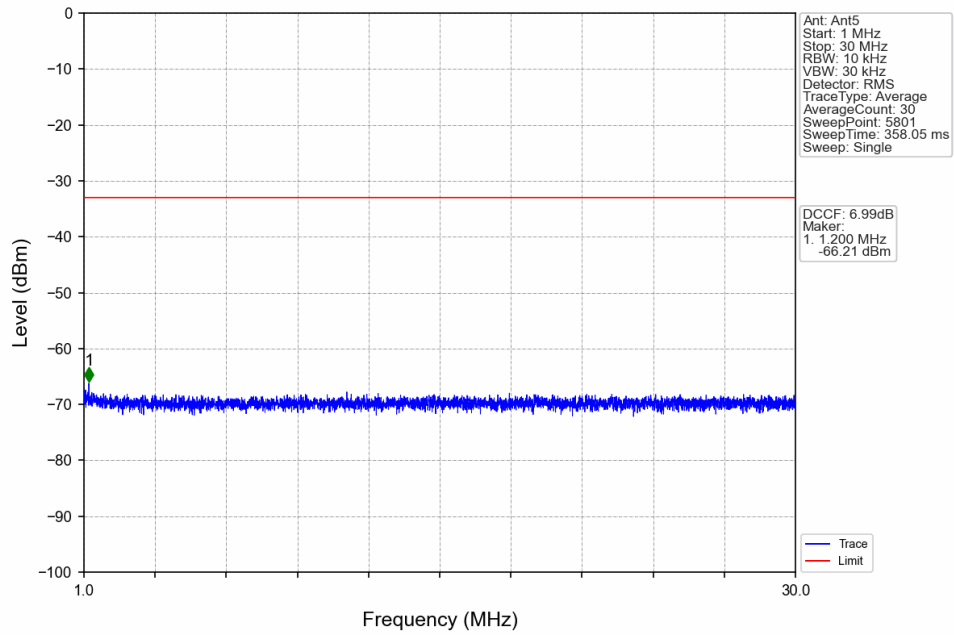
n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3460.02MHz\_Edge\_1RB\_Left



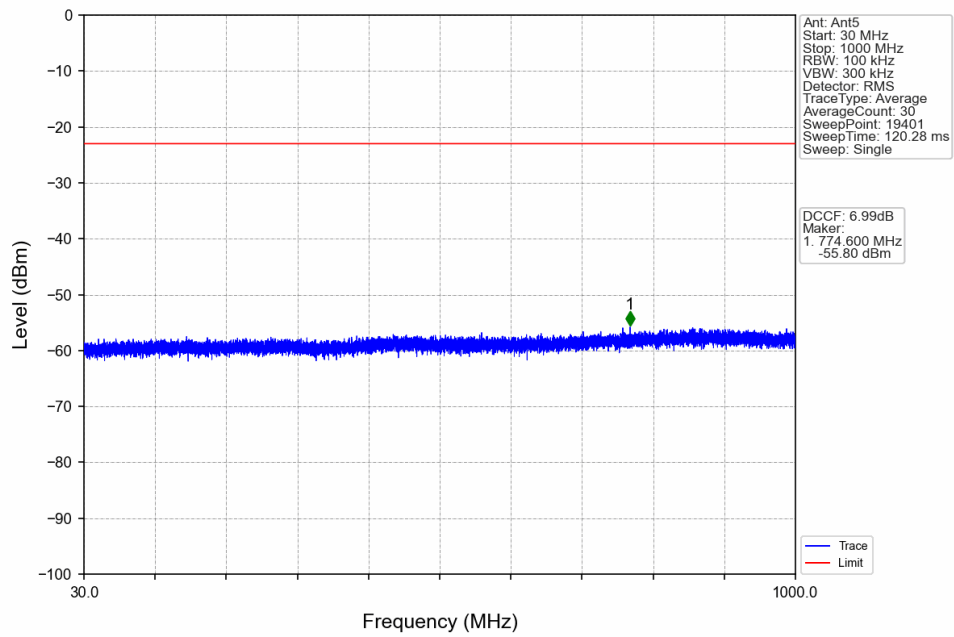
n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3460.02MHz\_Edge\_1RB\_Left



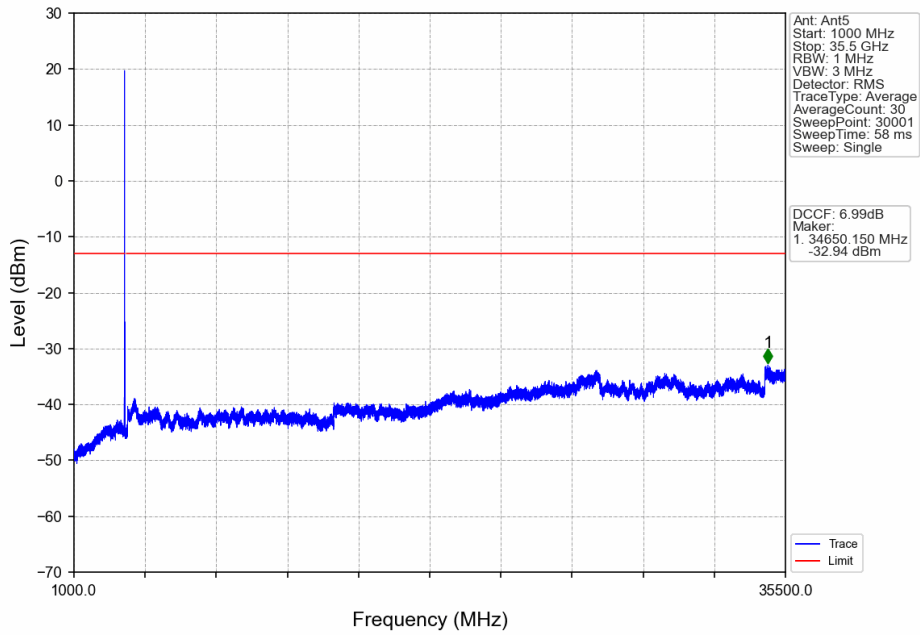
n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3460.02MHz\_Edge\_1RB\_Left



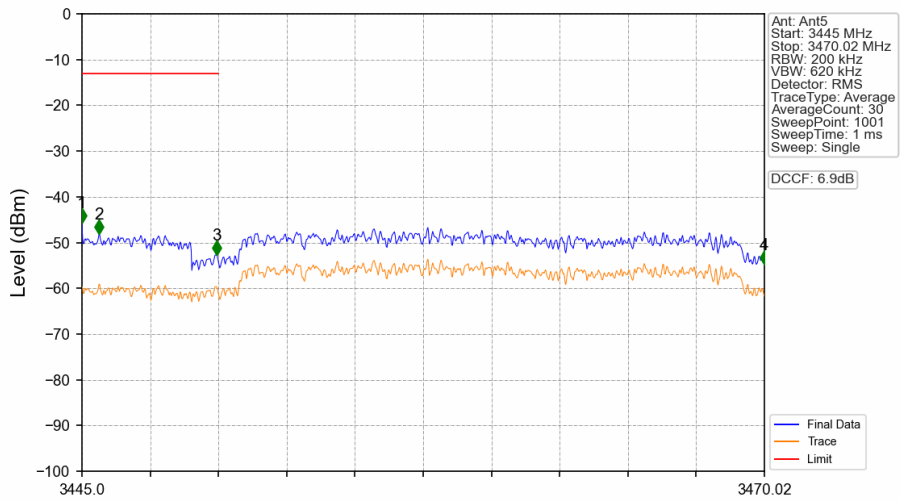
n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3460.02MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3460.02MHz\_Edge\_1RB\_Left

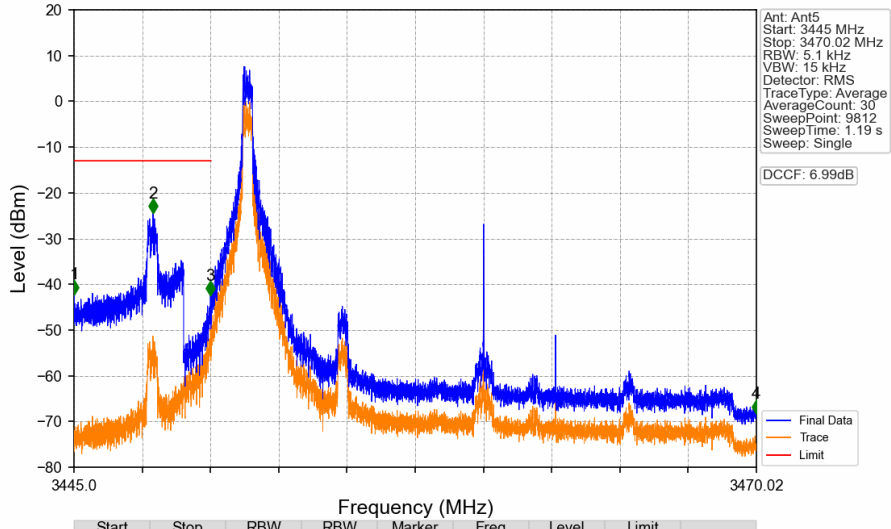


n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3460.02MHz\_Outer\_Full



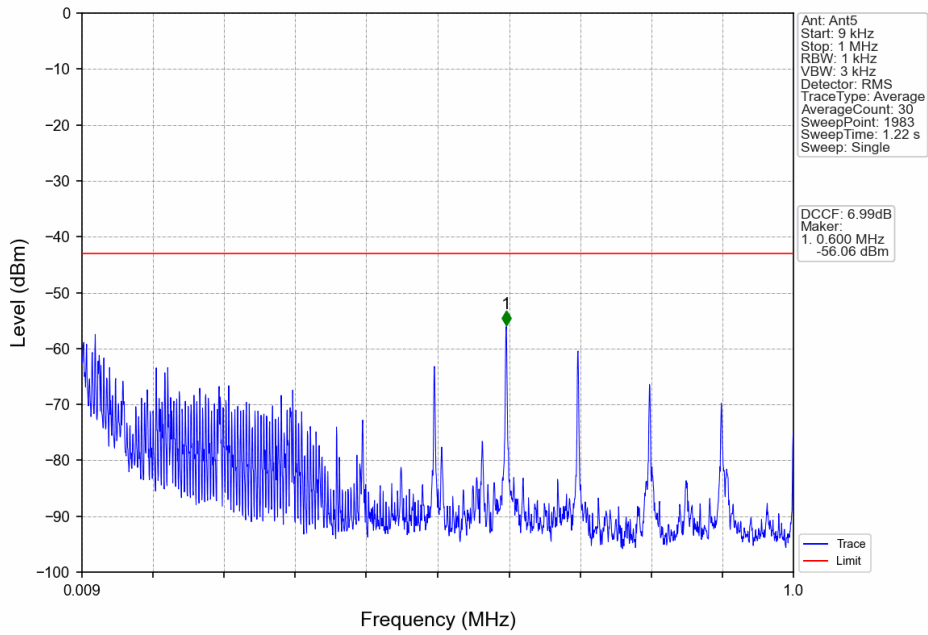
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	6.99	1	3445.000	-45.76	-13	Pass
3445.02	3449.02	0.5	3.98	2	3445.626	-48.21	-13	Pass
3449.02	3450.02	0.2	0	3	3449.929	-52.74	-13	Pass
3450.02	3470.02	0.2	0	4	3470.020	-54.79	-13	Pass

n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3460.02MHz\_Inner\_1RB\_Left

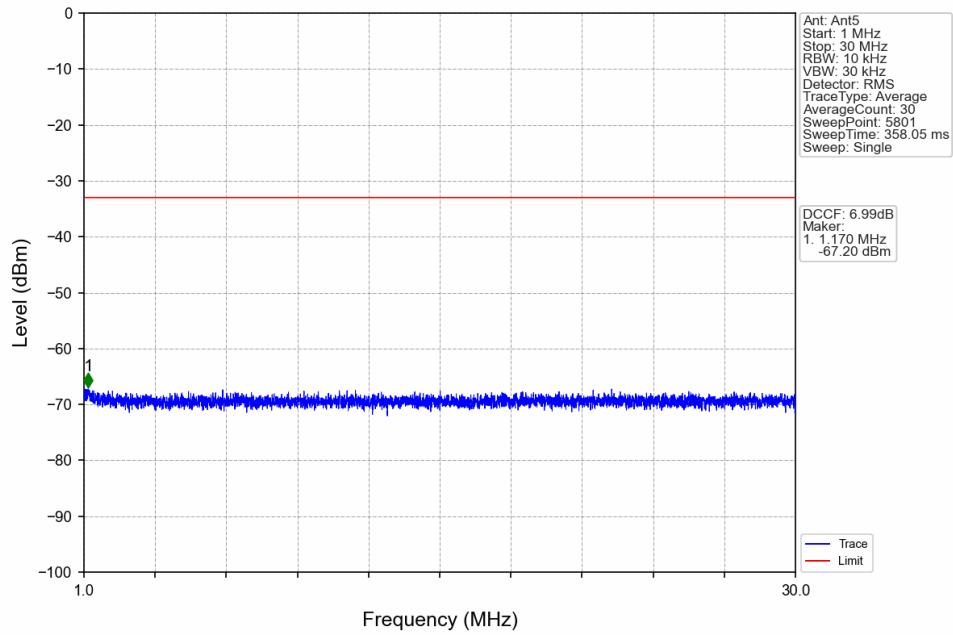


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	22.92	1	3445.003	-42.20	-13	Pass
3445.02	3449.02	0.5	19.91	2	3447.897	-24.41	-13	Pass
3449.02	3450.02	0.0051	0	3	3450.003	-42.50	-13	Pass
3450.02	3470.02	0.0051	0	4	3470.020	-68.30	-13	Pass

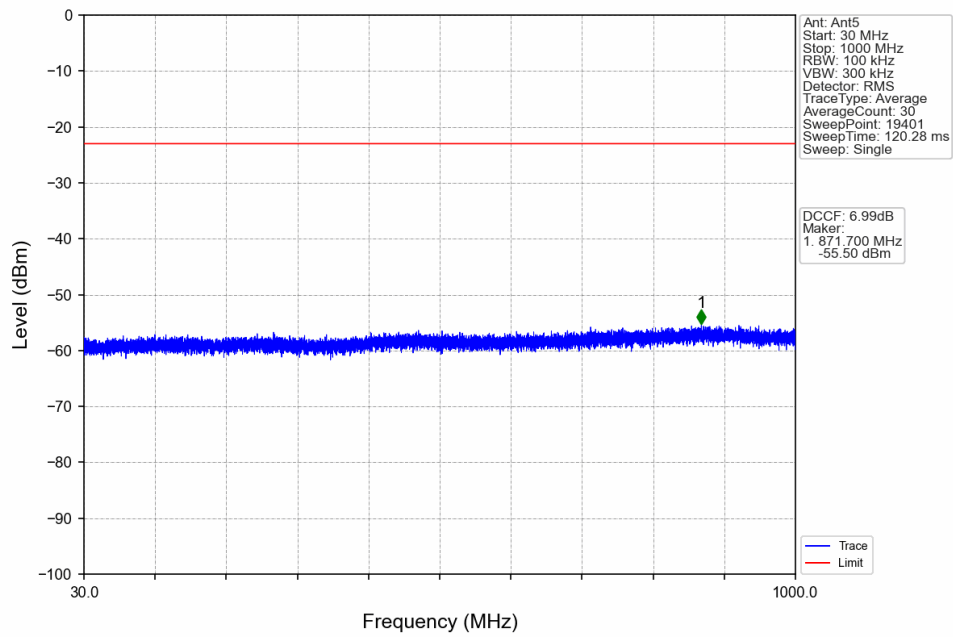
n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



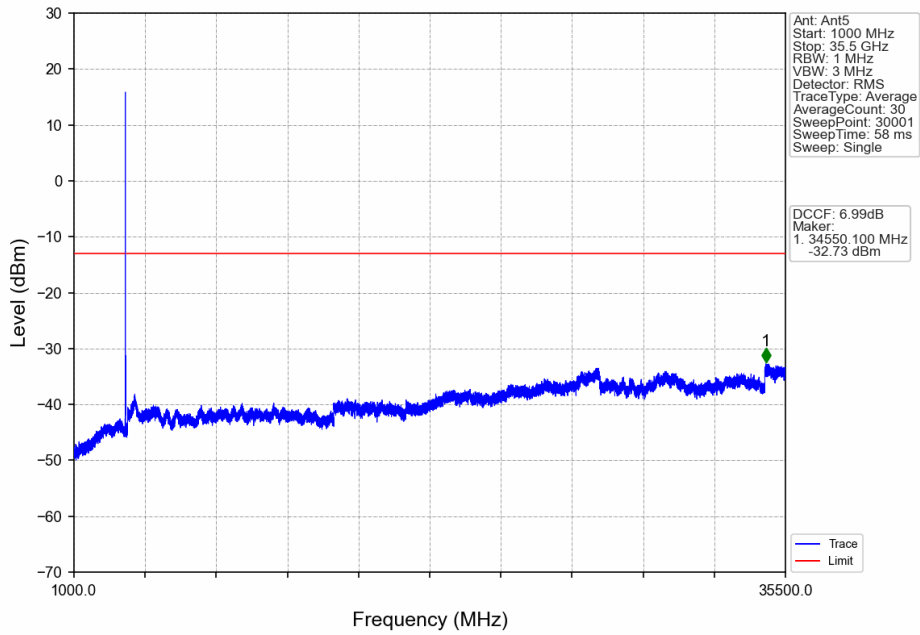
n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



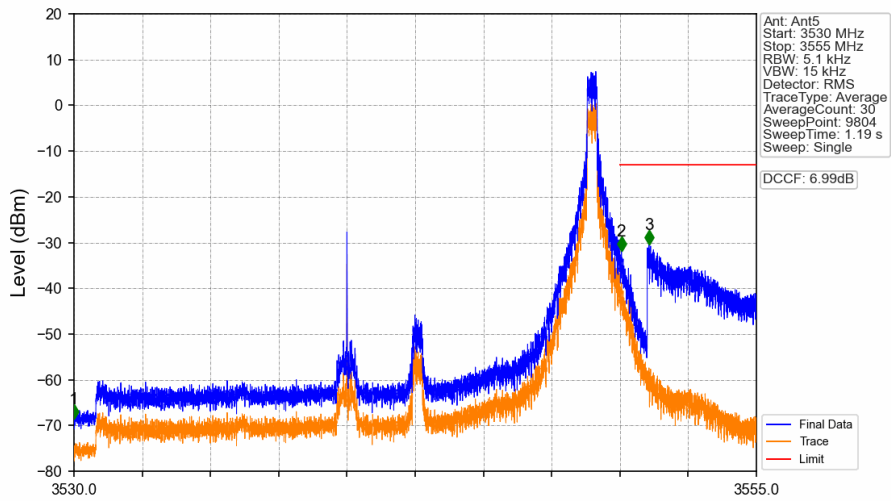
n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left

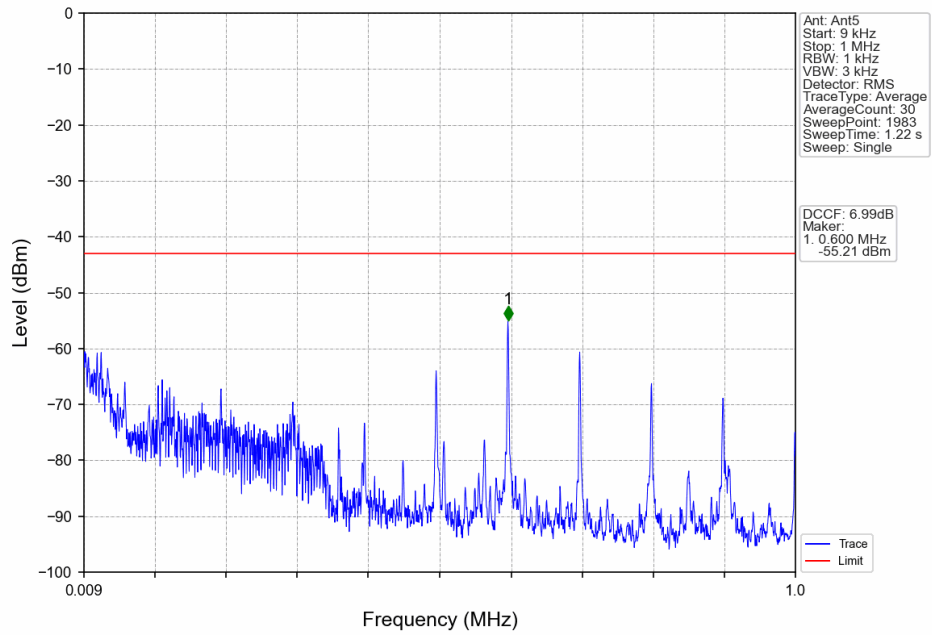


n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3540MHz\_Edge\_1RB\_Right

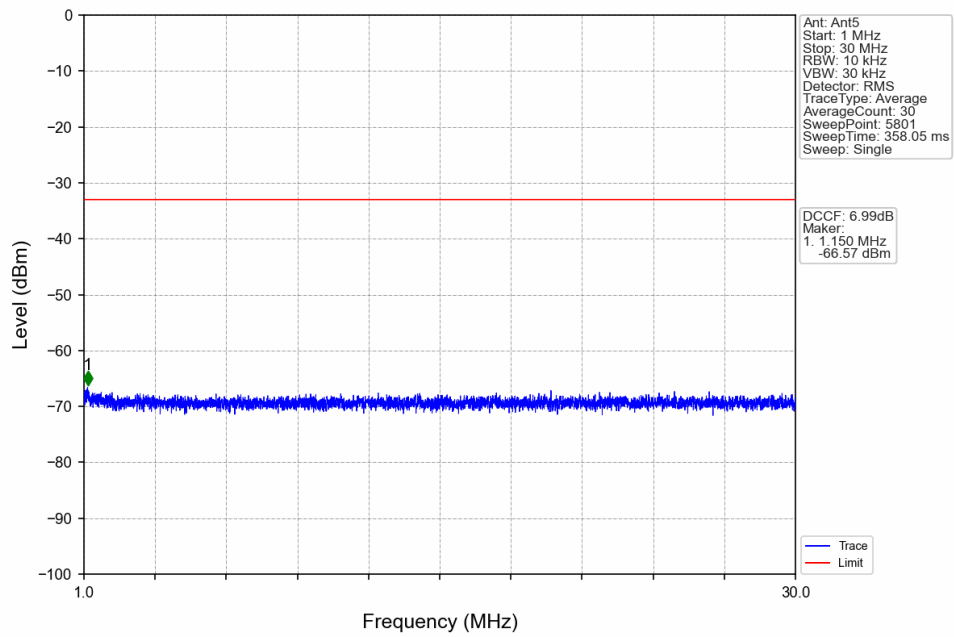


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.0051	0	1	3530.000	-68.52	-13	Pass
3550	3550	0.0051	0	/	/	/	/	/
3550	3551	0.0051	0	2	3550.055	-31.81	-13	Pass
3551	3555	0.5	19.91	3	3551.065	-30.50	-13	Pass

n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3540MHz\_Edge\_1RB\_Right

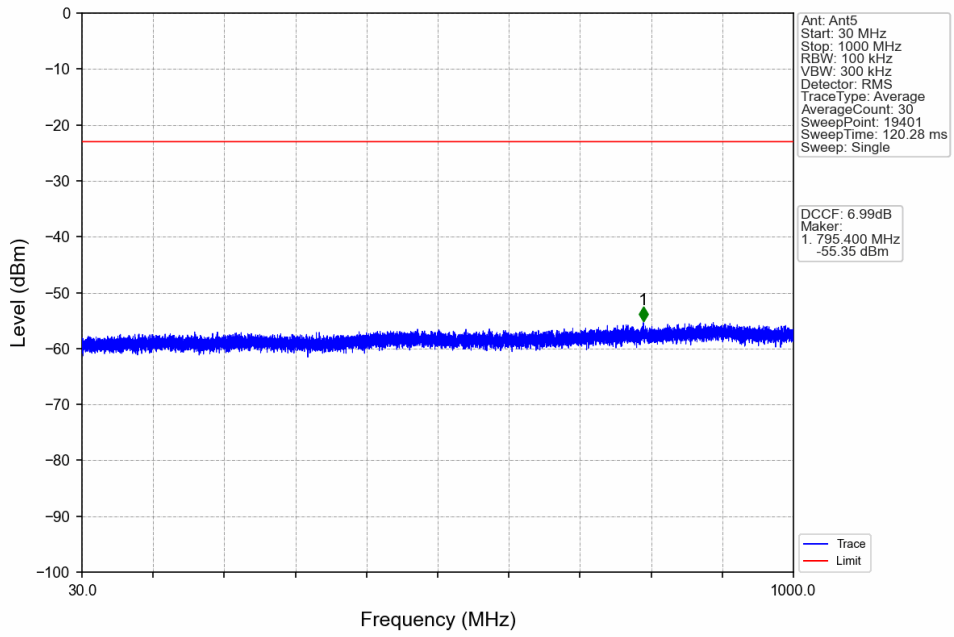


n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3540MHz\_Edge\_1RB\_Right

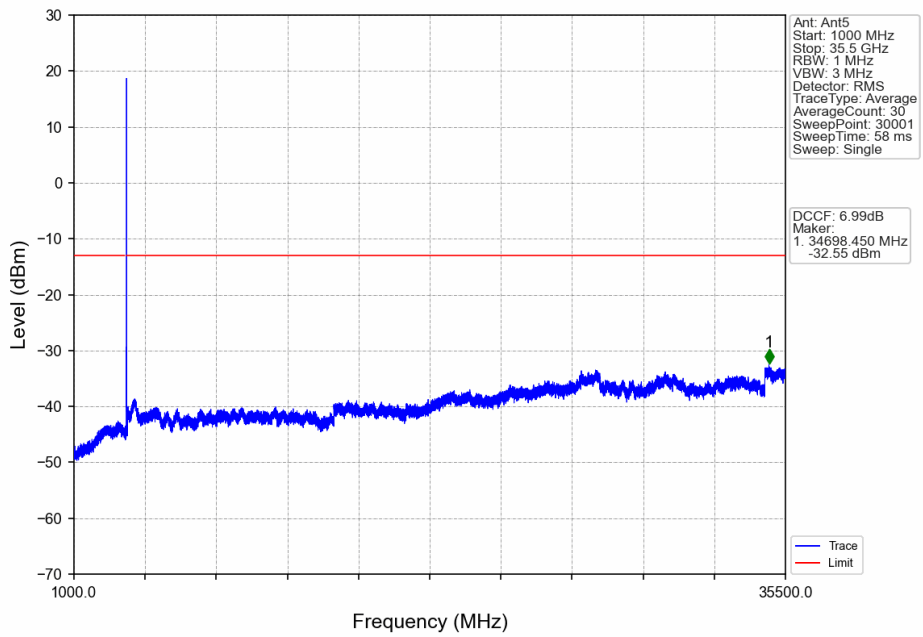




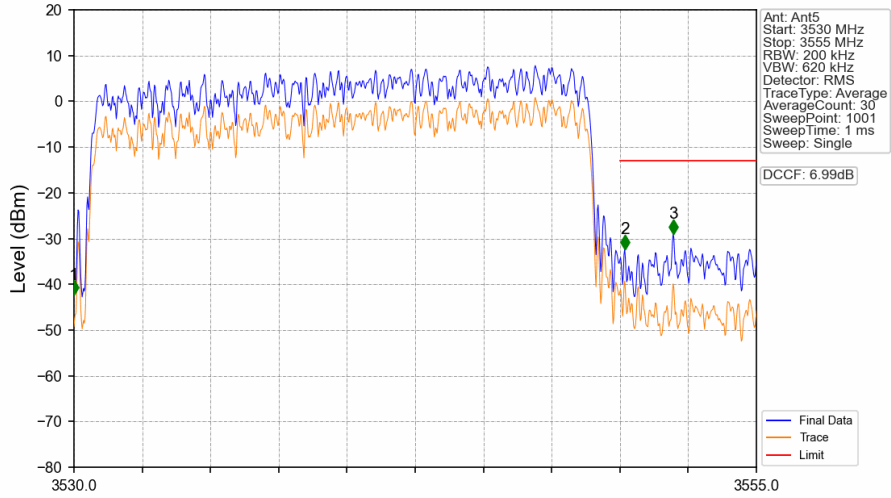
n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3540MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM QPSK\_3540MHz\_Edge\_1RB\_Right

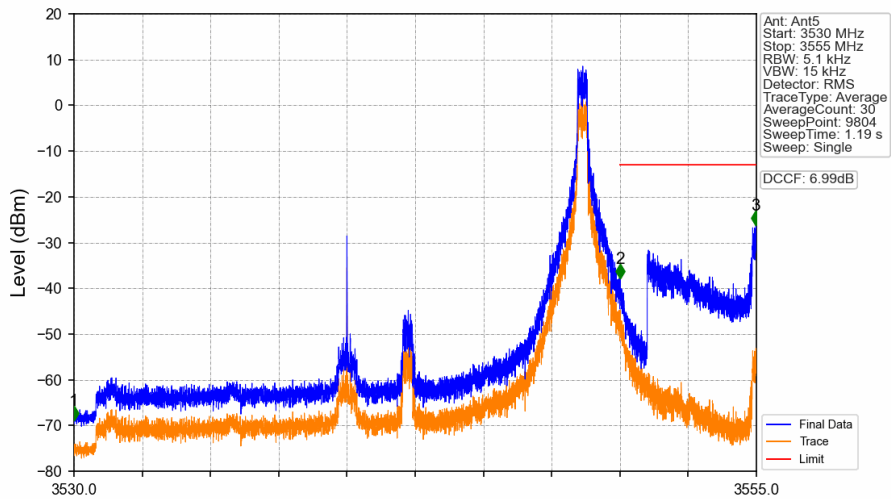


n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3540MHz\_Outer\_Full



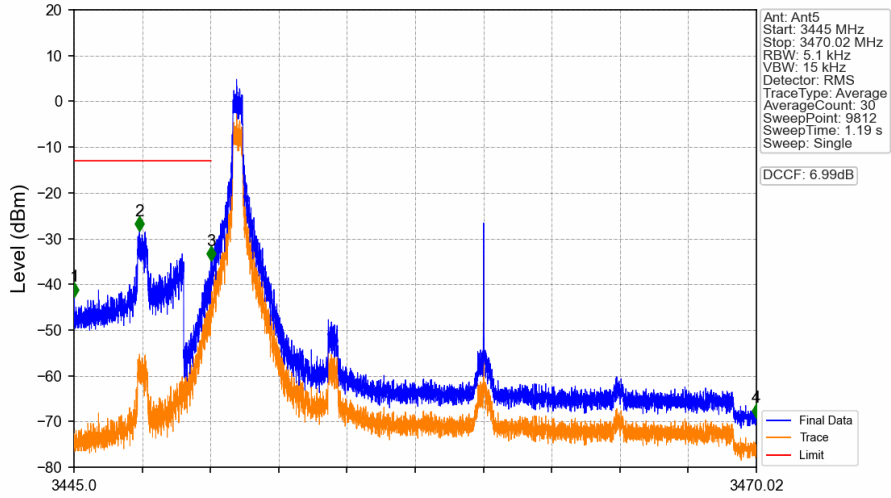
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.2	0	1	3530.000	-42.24	-13	Pass
3550	3550	0.2	0	/	/	/	/	/
3550	3551	0.2	0	2	3550.175	-32.30	-13	Pass
3551	3555	0.5	3.98	3	3551.950	-28.97	-13	Pass

n78e\_30kHz\_SISO\_NTNV\_20MHz\_DFT-s-OFDM\_QPSK\_3540MHz\_Inner\_1RB\_Right



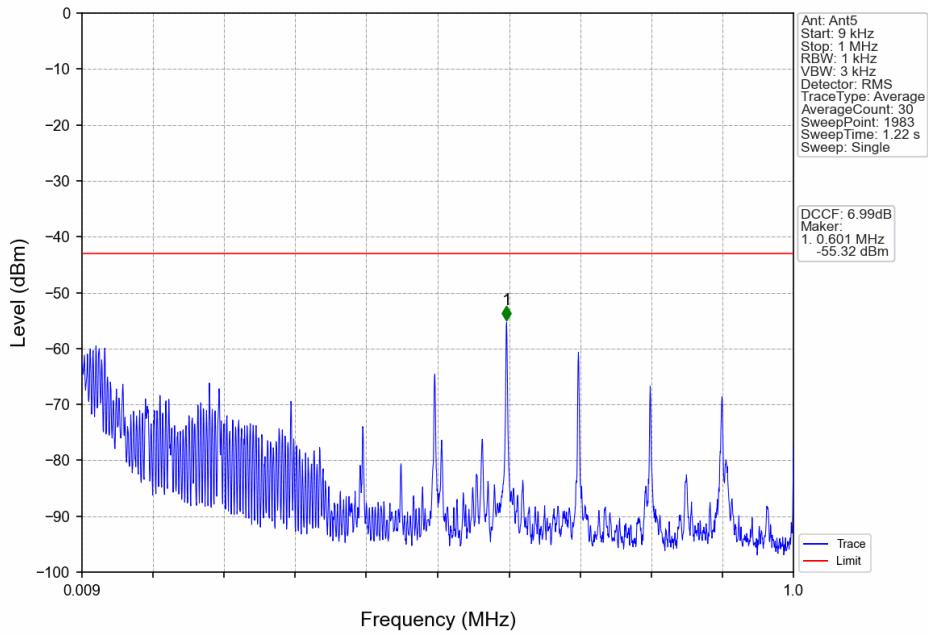
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.0051	0	1	3530.000	-68.89	-13	Pass
3550	3550	0.0051	0	/	/	/	/	/
3550	3551	0.0051	0	2	3550.009	-37.87	-13	Pass
3551	3555	0.5	19.91	3	3554.980	-26.25	-13	Pass

n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3460.02MHz\_Edge\_1RB\_Left

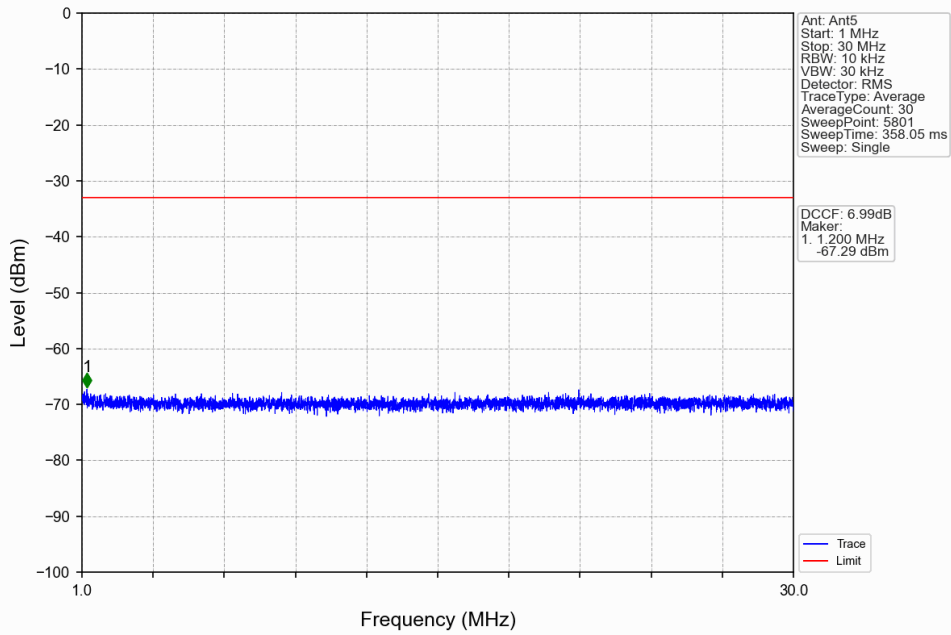


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	22.92	1	3445.013	-42.73	-13	Pass
3445.02	3449.02	0.5	19.91	2	3447.402	-28.39	-13	Pass
3449.02	3450.02	0.0051	0	3	3450.016	-34.90	-13	Pass
3450.02	3470.02	0.0051	0	4	3470.020	-69.17	-13	Pass

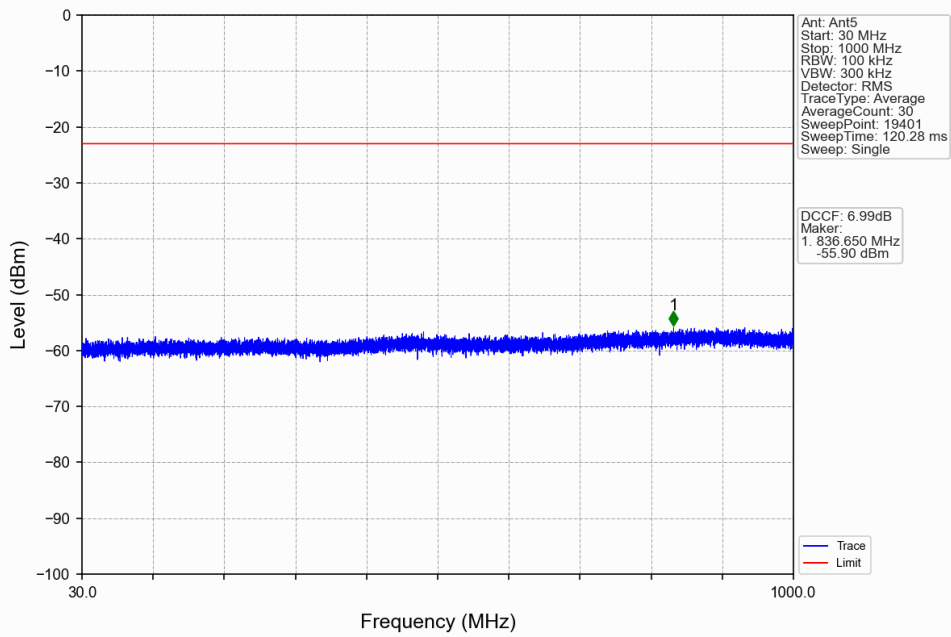
n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3460.02MHz\_Edge\_1RB\_Left



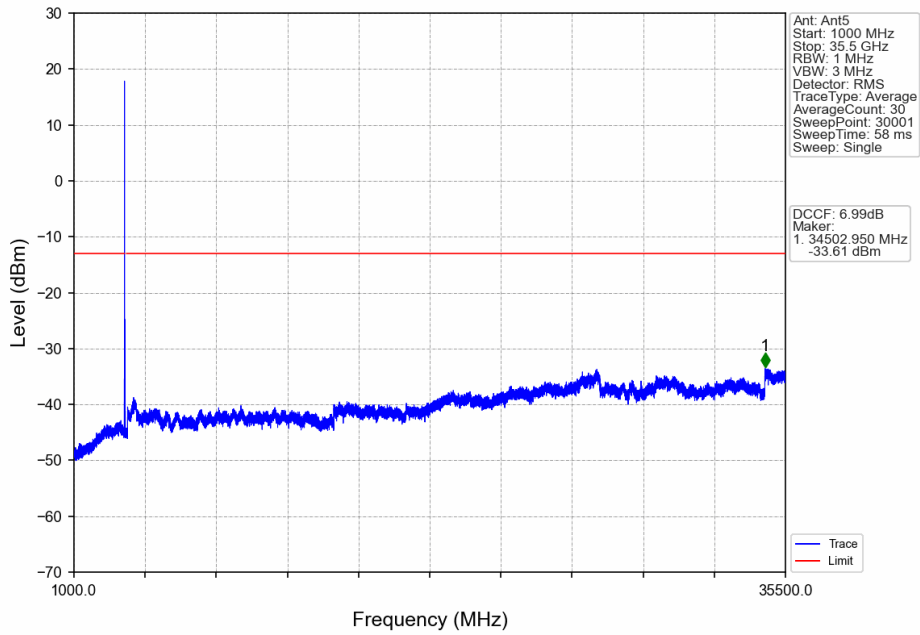
n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3460.02MHz\_Edge\_1RB\_Left



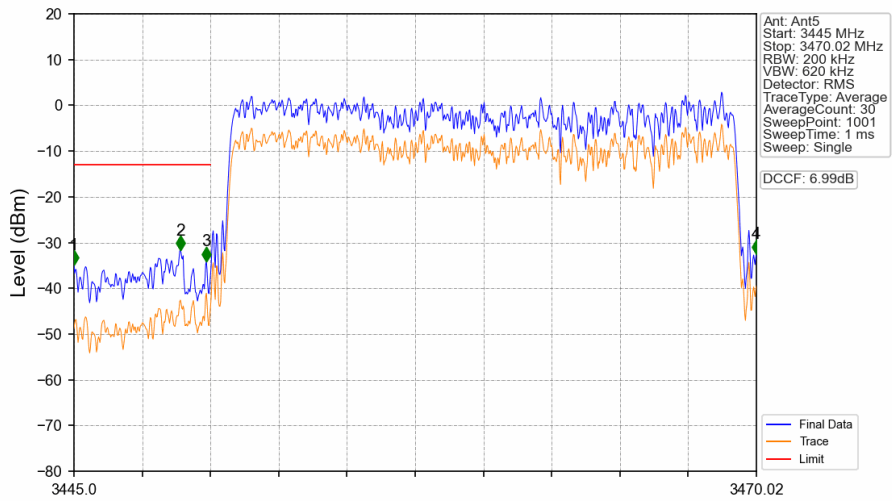
n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3460.02MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3460.02MHz\_Edge\_1RB\_Left

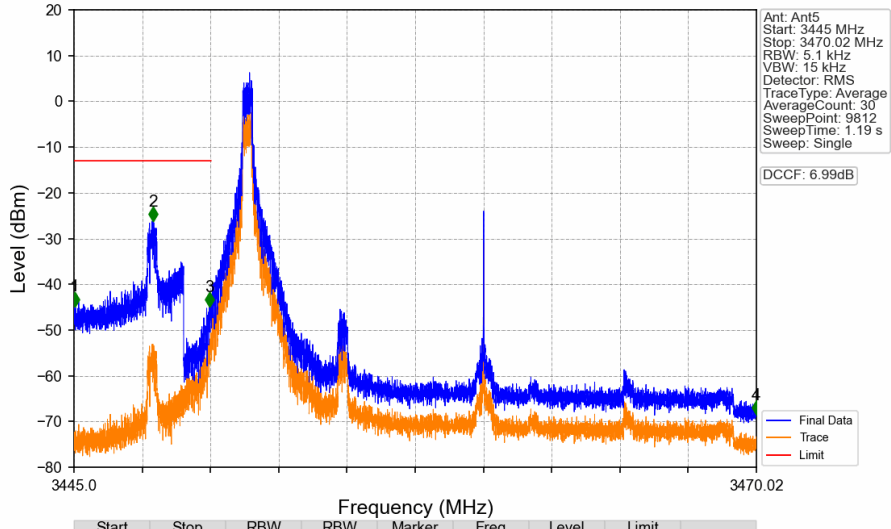


n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3460.02MHz\_Outer\_Full



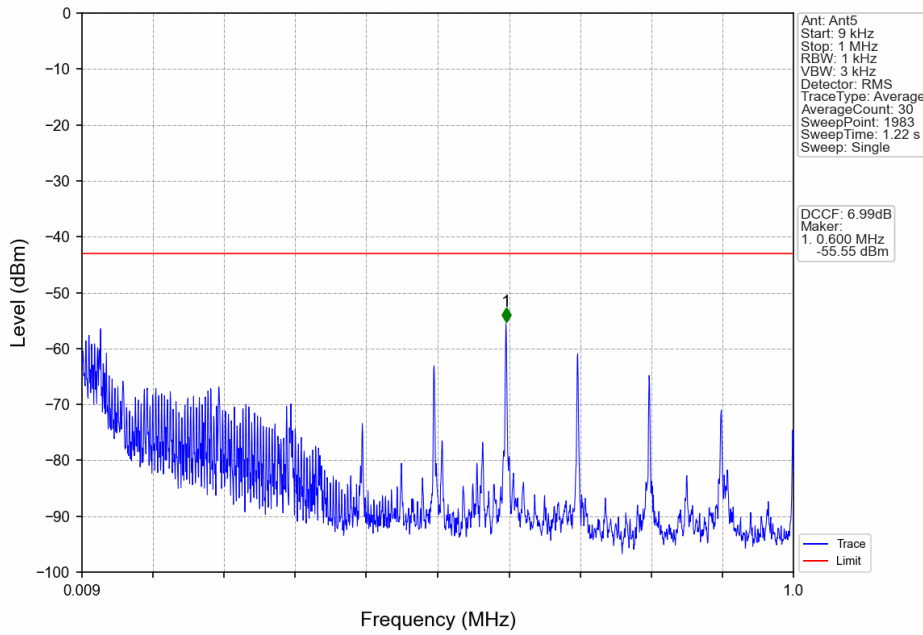
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	6.99	1	3445.000	-34.81	-13	Pass
3445.02	3449.02	0.5	3.98	2	3448.903	-31.62	-13	Pass
3449.02	3450.02	0.2	0	3	3449.854	-34.08	-13	Pass
3450.02	3470.02	0.2	0	4	3470.020	-32.50	-13	Pass

n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3460.02MHz\_Inner\_1RB\_Left

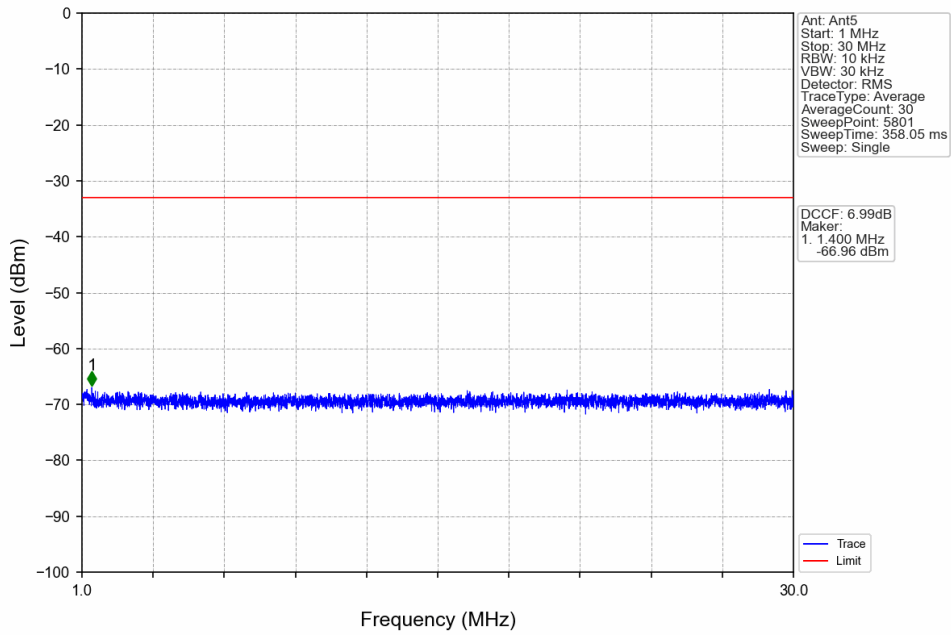


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.02	1	22.92	1	3445.018	-44.82	-13	Pass
3445.02	3449.02	0.5	19.91	2	3447.892	-26.16	-13	Pass
3449.02	3450.02	0.0051	0	3	3449.960	-44.88	-13	Pass
3450.02	3470.02	0.0051	0	4	3470.020	-68.55	-13	Pass

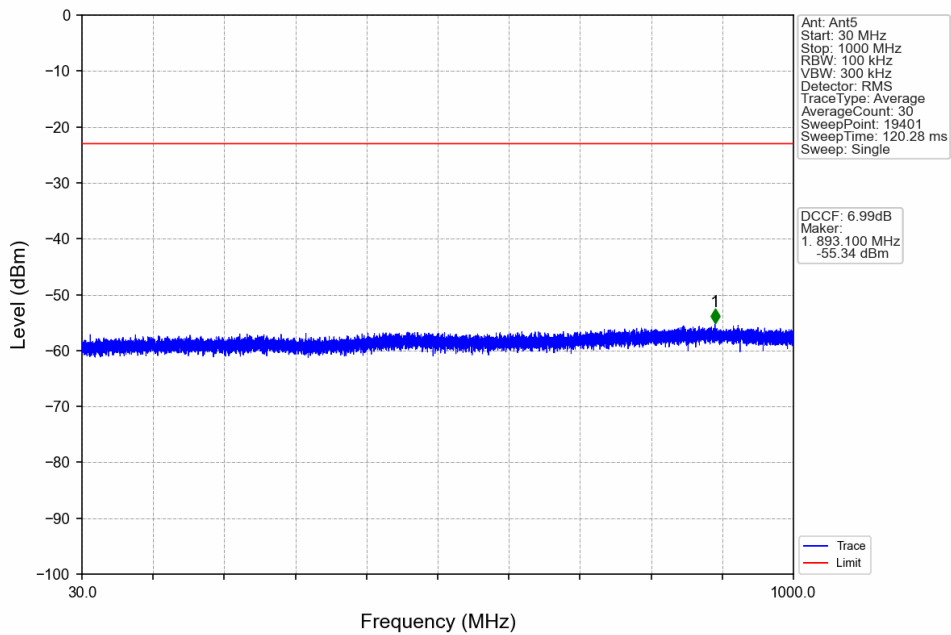
n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



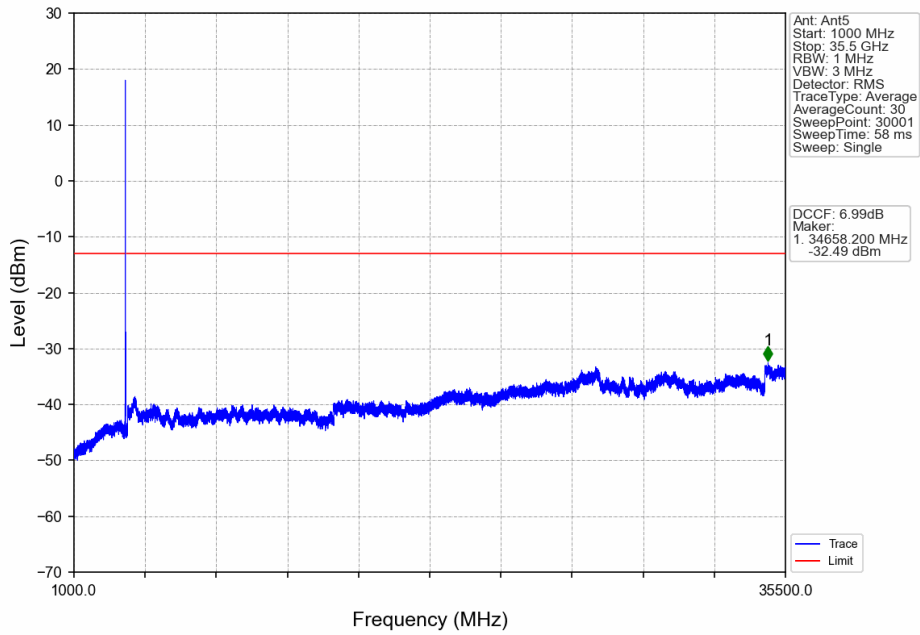
n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



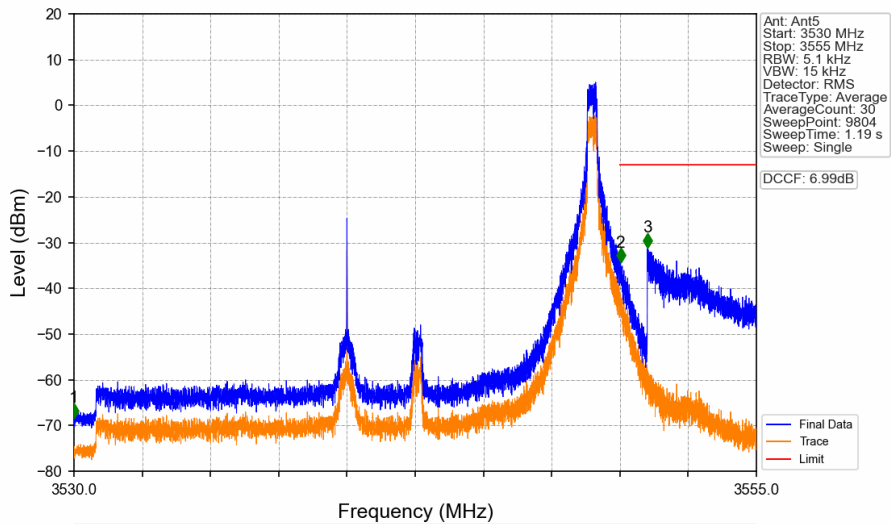
n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left



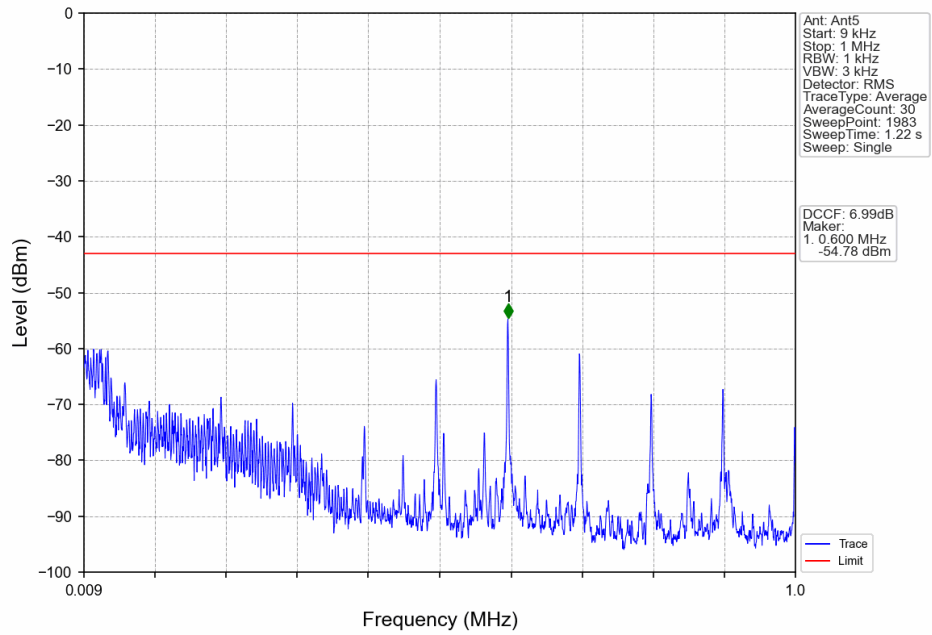
n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3540MHz\_Edge\_1RB\_Right



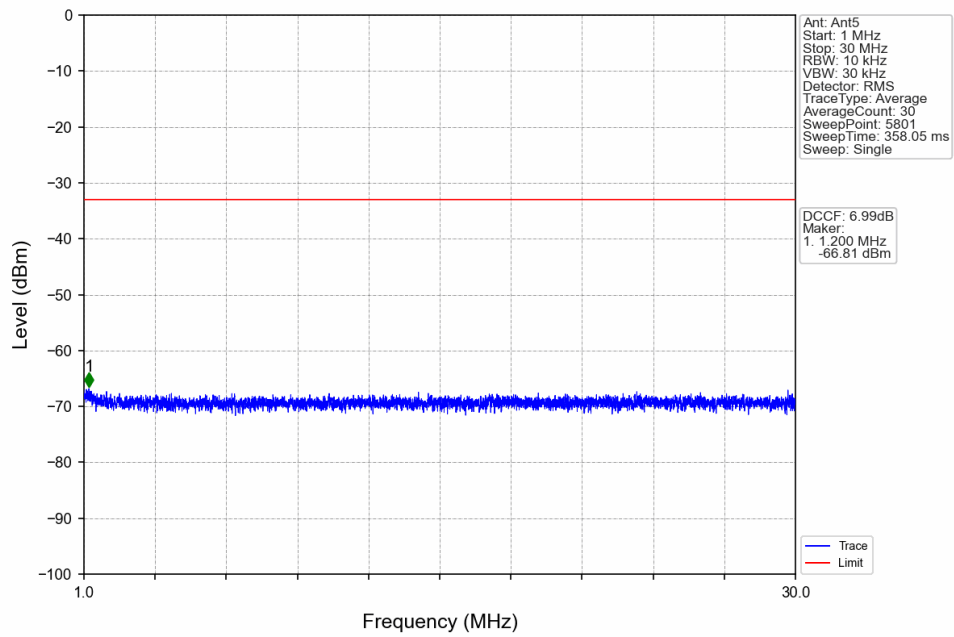
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.0051	0	1	3530.000	-68.28	-13	Pass
3550	3550	0.0051	0	/	/	/	/	/
3550	3551	0.0051	0	2	3550.024	-34.35	-13	Pass
3551	3555	0.5	19.91	3	3551.022	-31.08	-13	Pass



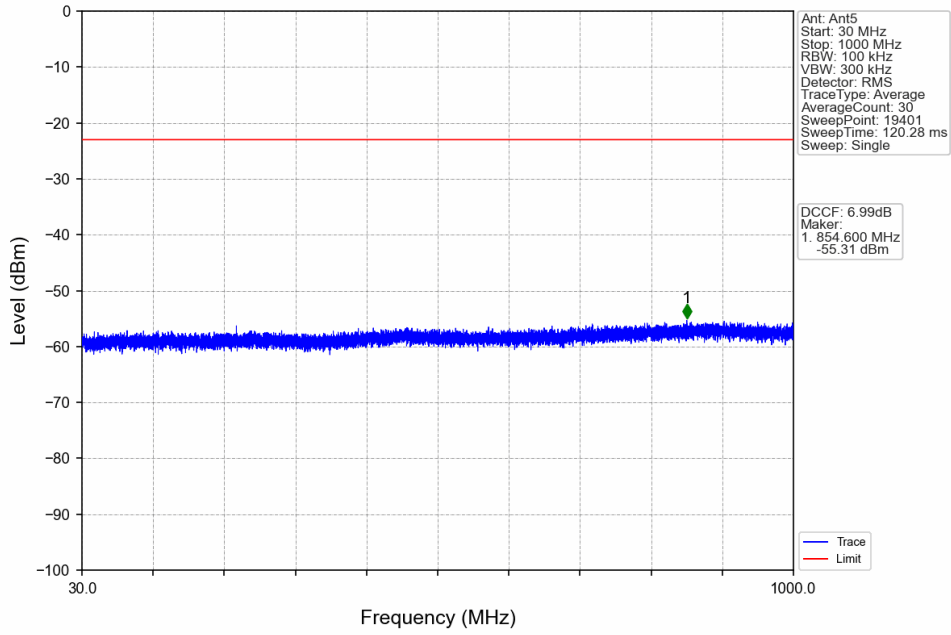
n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3540MHz\_Edge\_1RB\_Right



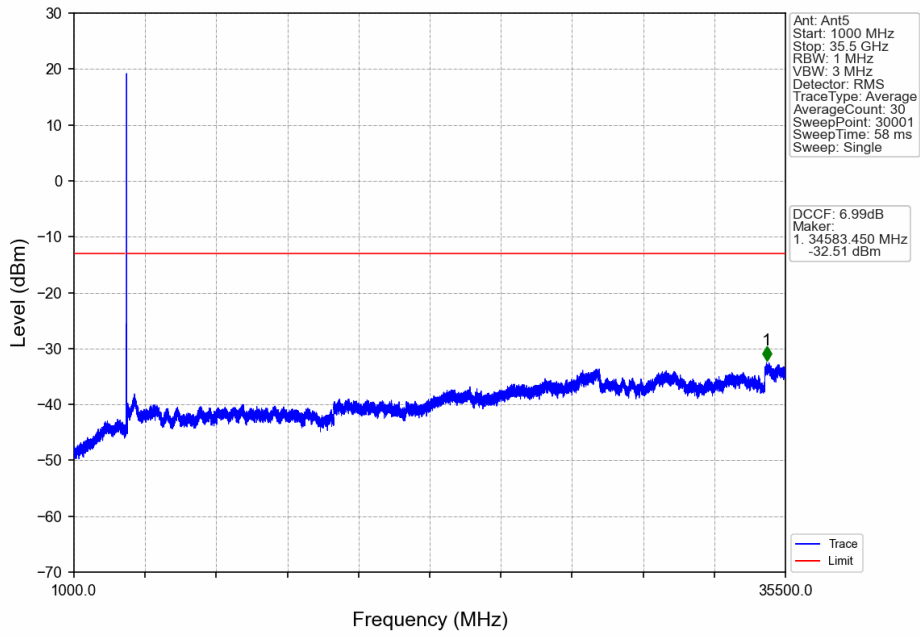
n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3540MHz\_Edge\_1RB\_Right



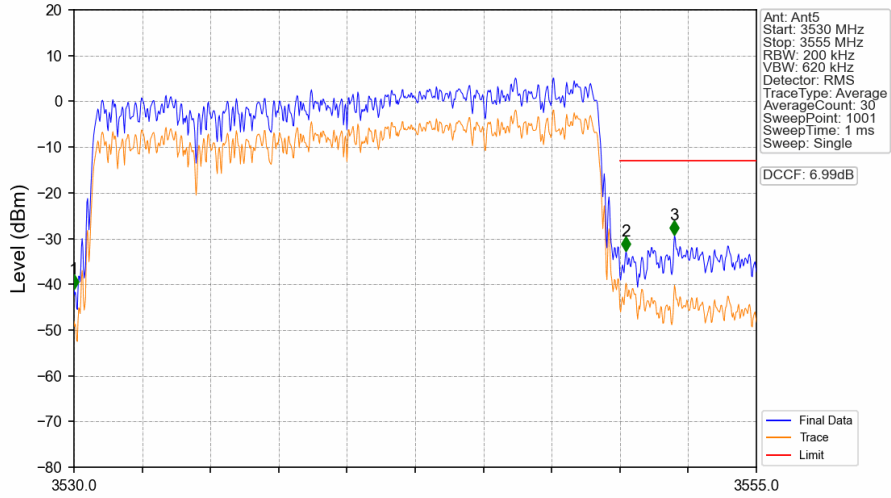
n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3540MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM\_QPSK\_3540MHz\_Edge\_1RB\_Right

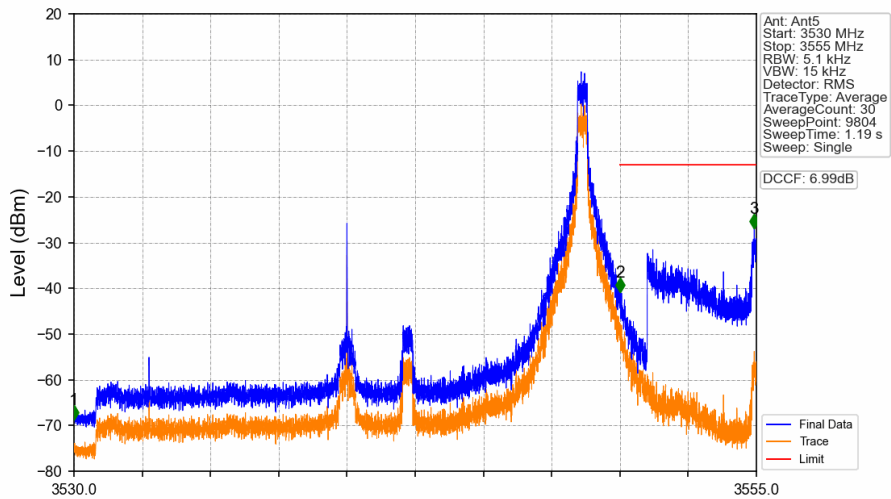


n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3540MHz\_Outer\_Full



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	-41.08	-13	Pass
3550	3550	0.2	0	/	/	/	/	/
3550	3551	0.2	0	2	3550.225	-32.78	-13	Pass
3551	3555	0.5	3.98	3	3552.000	-29.25	-13	Pass

n78e\_30kHz\_SISO\_NTNV\_20MHz\_CP-OFDM QPSK\_3540MHz\_Inner\_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	-68.67	-13	Pass
3550	3550	0.0051	0	/	/	/	/	/
3550	3551	0.0051	0	2	3550.014	-40.86	-13	Pass
3551	3555	0.5	19.91	3	3554.918	-26.93	-13	Pass

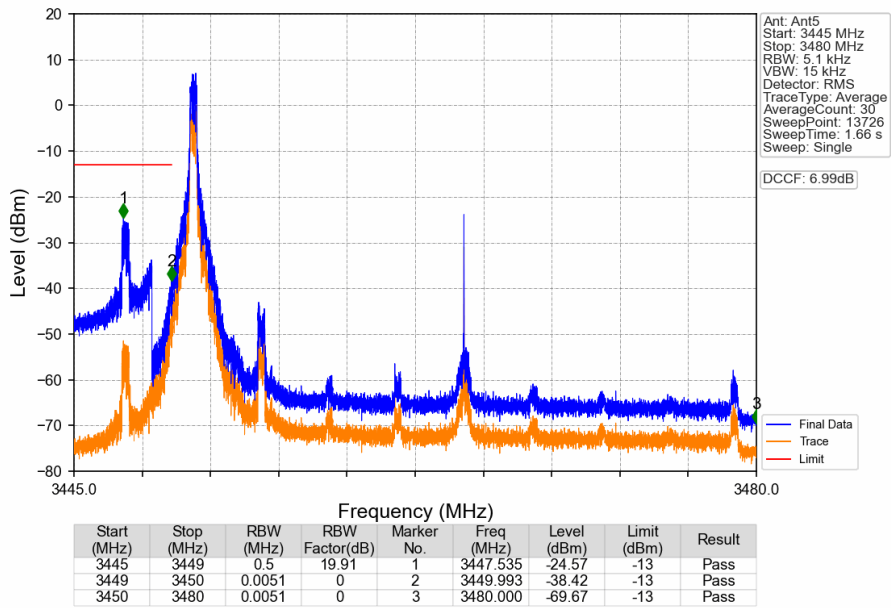
## 1.2 30k\_SISO\_30MHz\_NTNV

### 1.2.1 Test Result

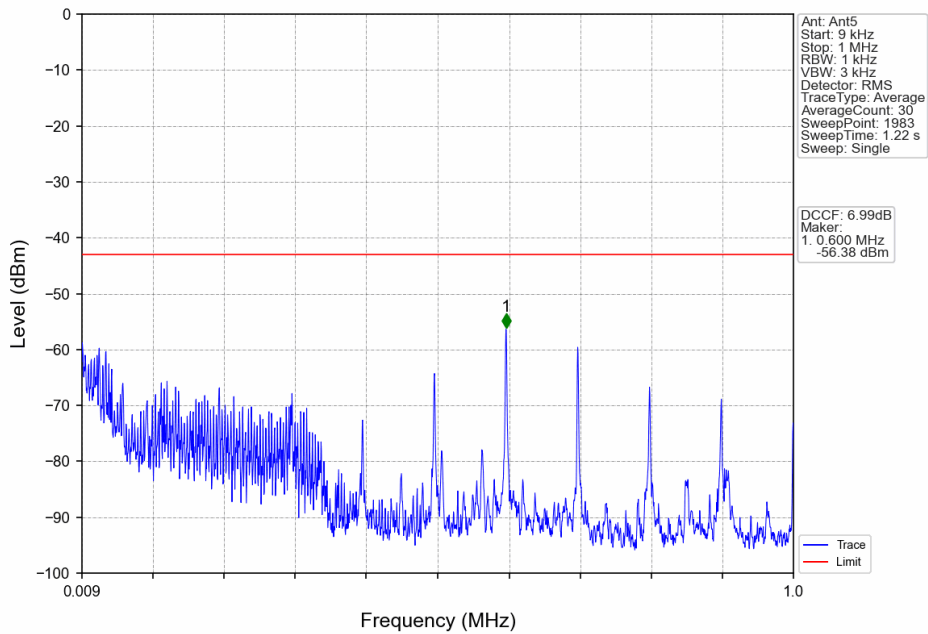
5G NR n78e SCS=30kHz SISO 30MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict	
			Ant5	Ant2	Sum		Limit
DFT-s-OFDM QPSK	3465	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph			Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph			Pass	
		3534.99	Edge_1RB_Right	Refer To Test Graph			Pass
			Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	3465	Inner_1RB_Right	Refer To Test Graph			Pass	
		Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
	3500.01	Inner_1RB_Left	Refer To Test Graph			Pass	
		Edge_1RB_Left	Refer To Test Graph			Pass	
		3534.99	Edge_1RB_Right	Refer To Test Graph			Pass
	Outer_Full		Refer To Test Graph			Pass	
	Inner_1RB_Right		Refer To Test Graph			Pass	

## 1.2.2 Test Graph

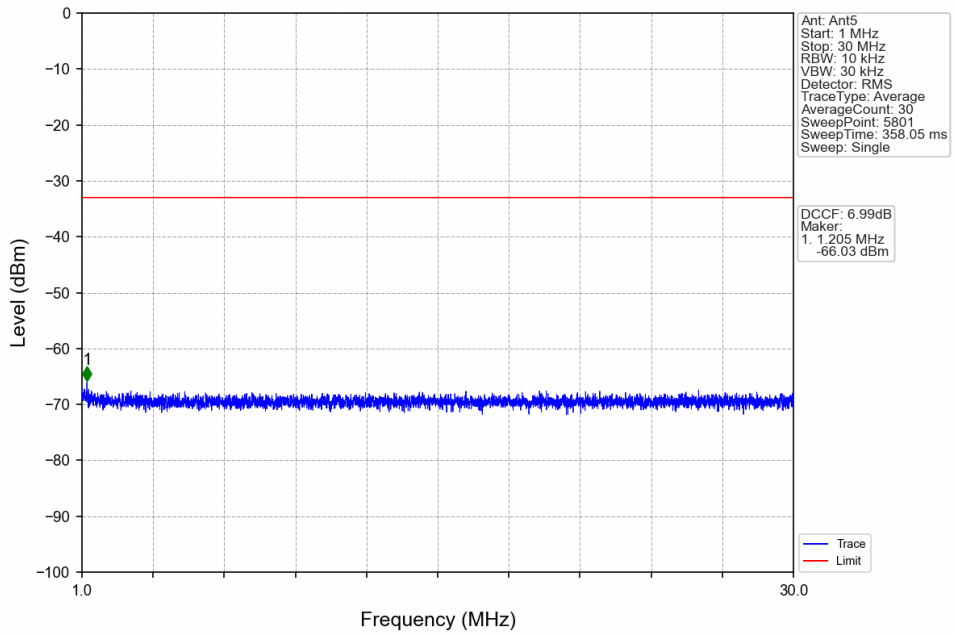
n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3465MHz\_Edge\_1RB\_Left



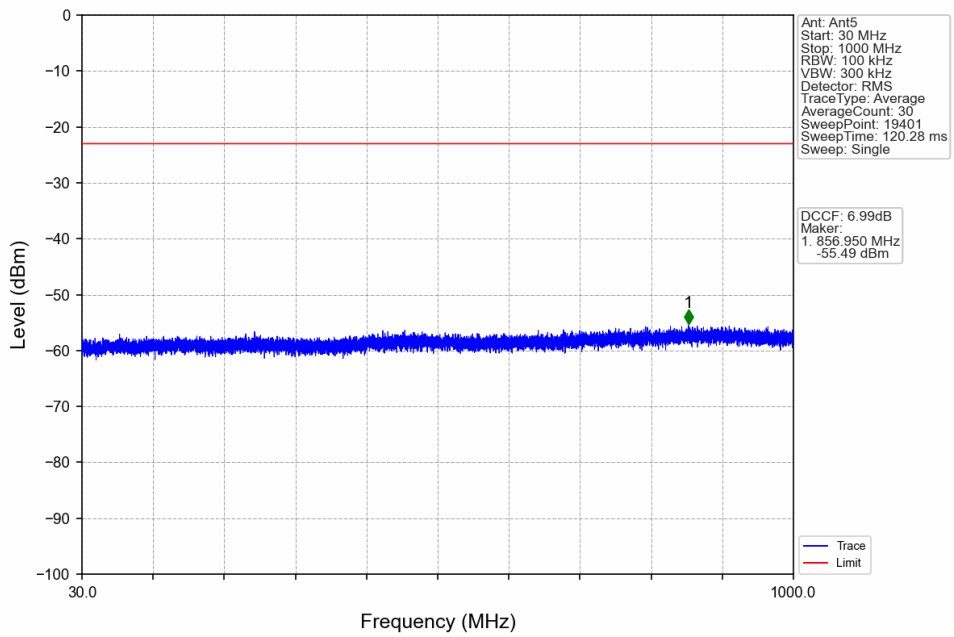
n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3465MHz\_Edge\_1RB\_Left



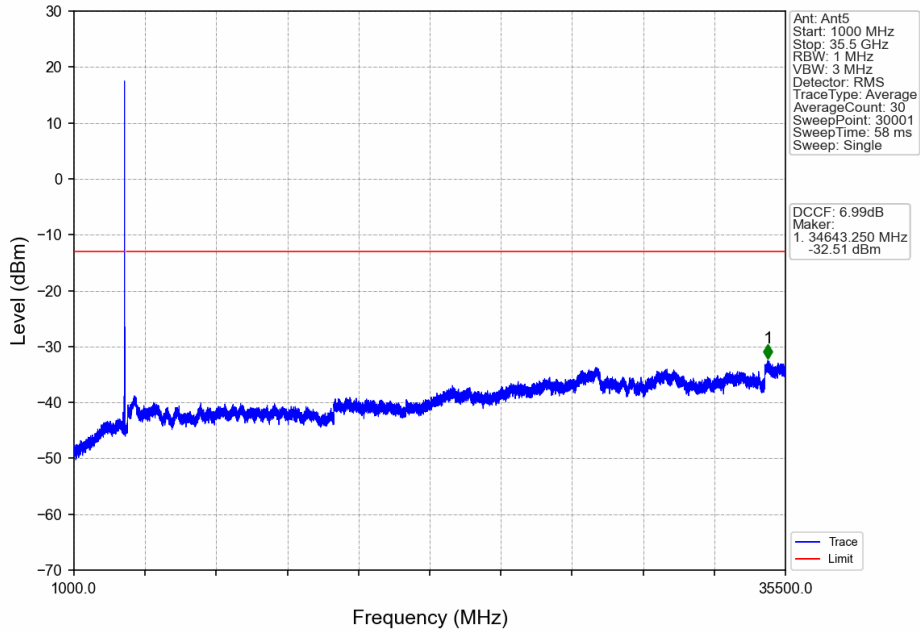
n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3465MHz\_Edge\_1RB\_Left



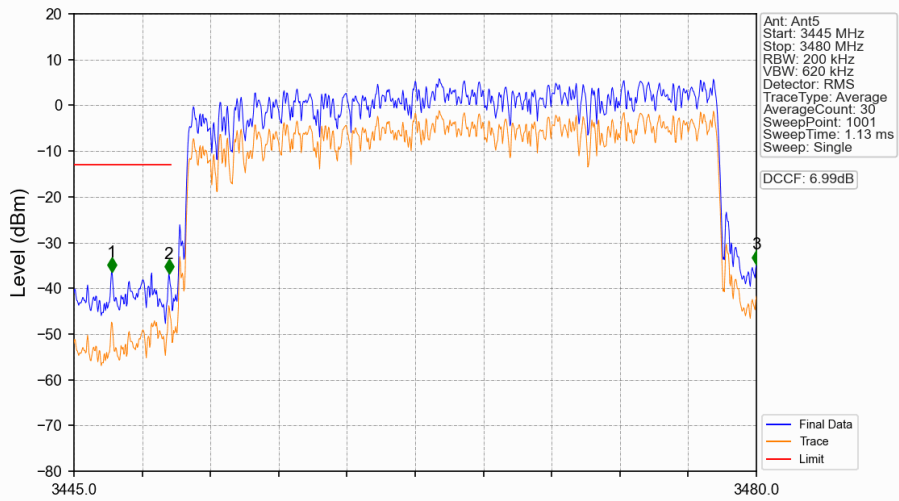
n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3465MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3465MHz\_Edge\_1RB\_Left

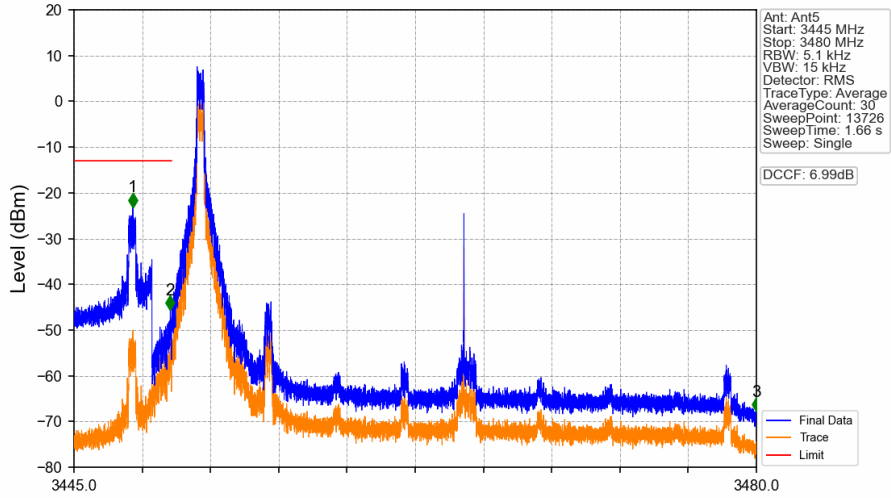


n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3465MHz\_Outer\_Full



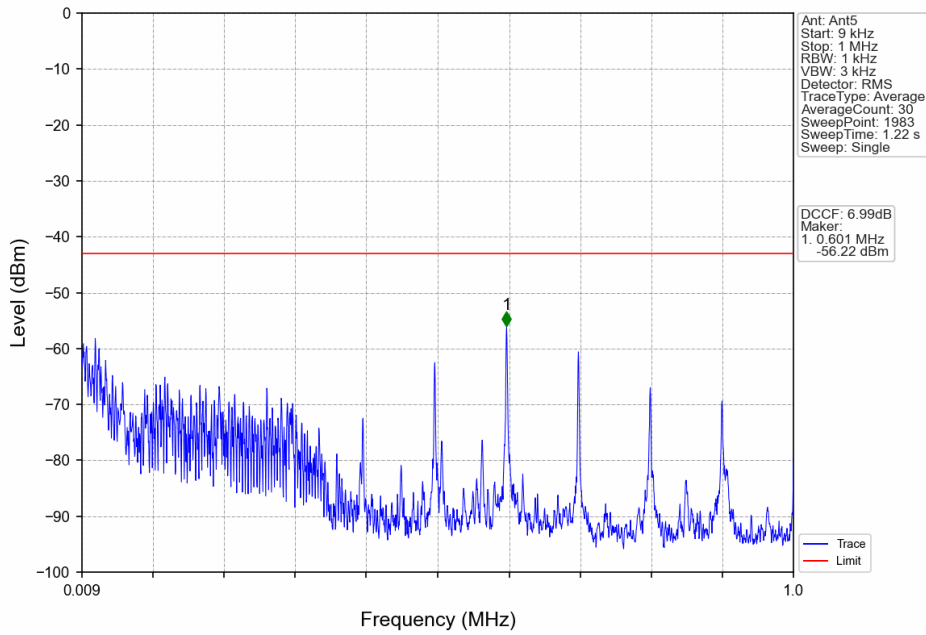
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	3.98	1	3446.925	-36.44	-13	Pass
3449	3450	0.2	0	2	3449.865	-36.81	-13	Pass
3450	3480	0.2	0	3	3480.000	-34.76	-13	Pass

n78e\_30kHz\_SISO\_NTV\_30MHz\_DFT-s-OFDM\_QPSK\_3465MHz\_Inner\_1RB\_Left



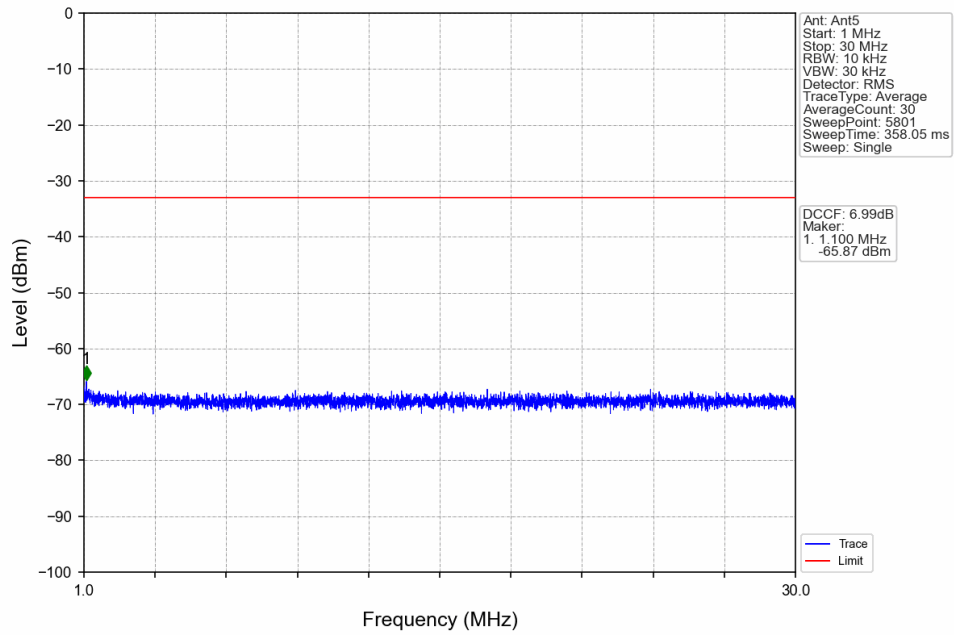
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	19.91	1	3448.022	-23.13	-13	Pass
3449	3450	0.0051	0	2	3449.940	-45.56	-13	Pass
3450	3480	0.0051	0	3	3480.000	-67.83	-13	Pass

n78e\_30kHz\_SISO\_NTV\_30MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left

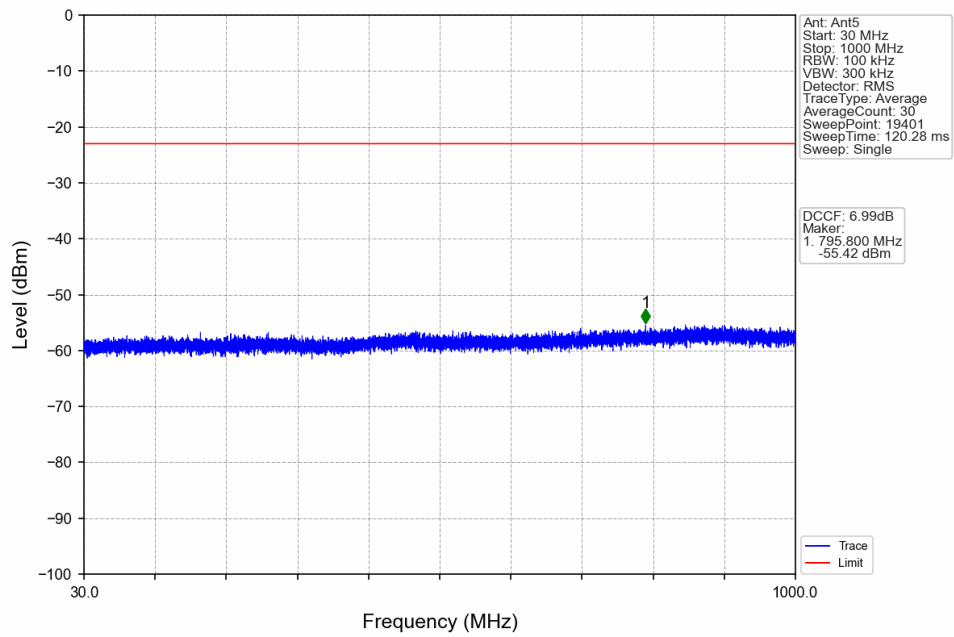




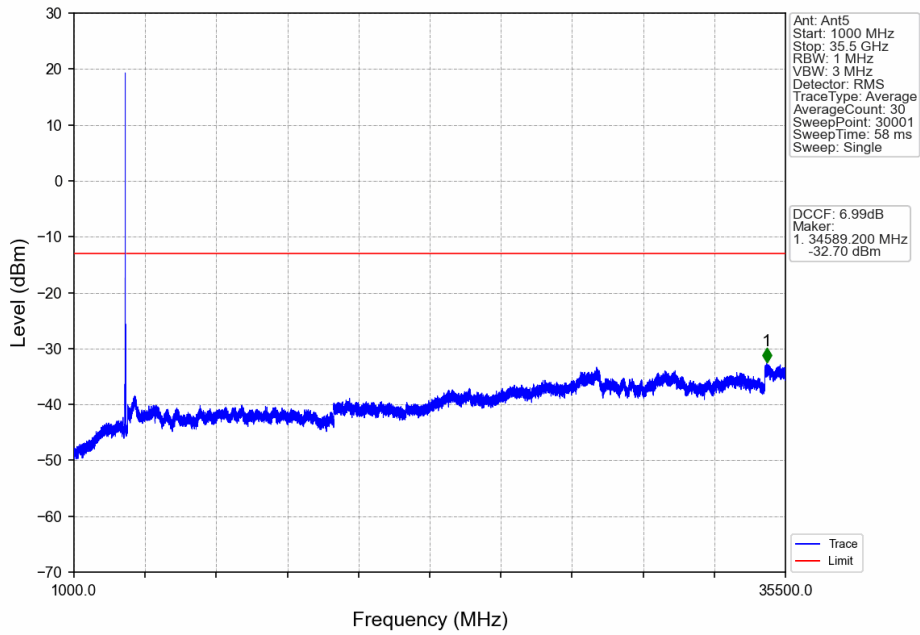
n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



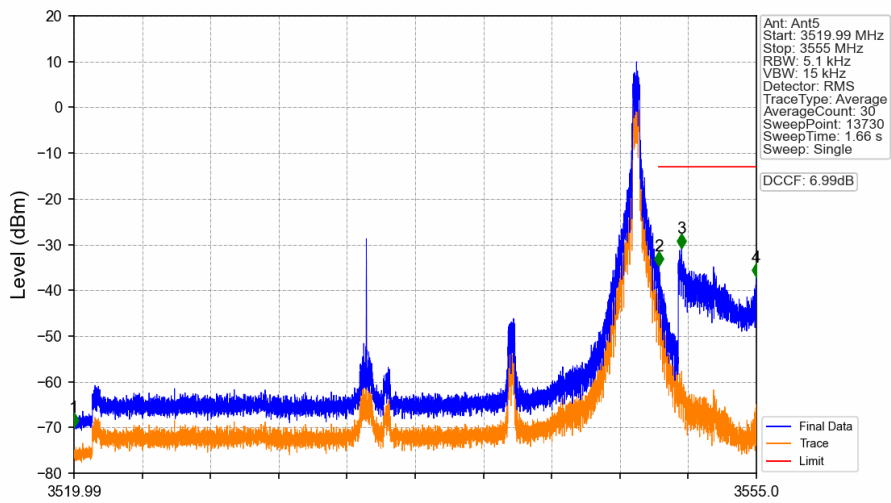
n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left

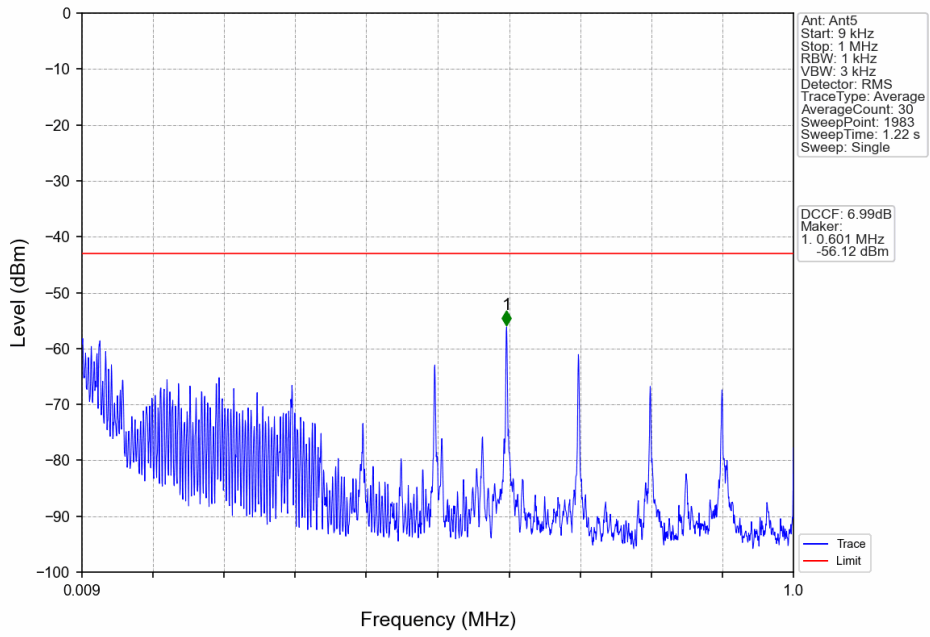


n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM\_QPSK\_3534.99MHz\_Edge\_1RB\_Right

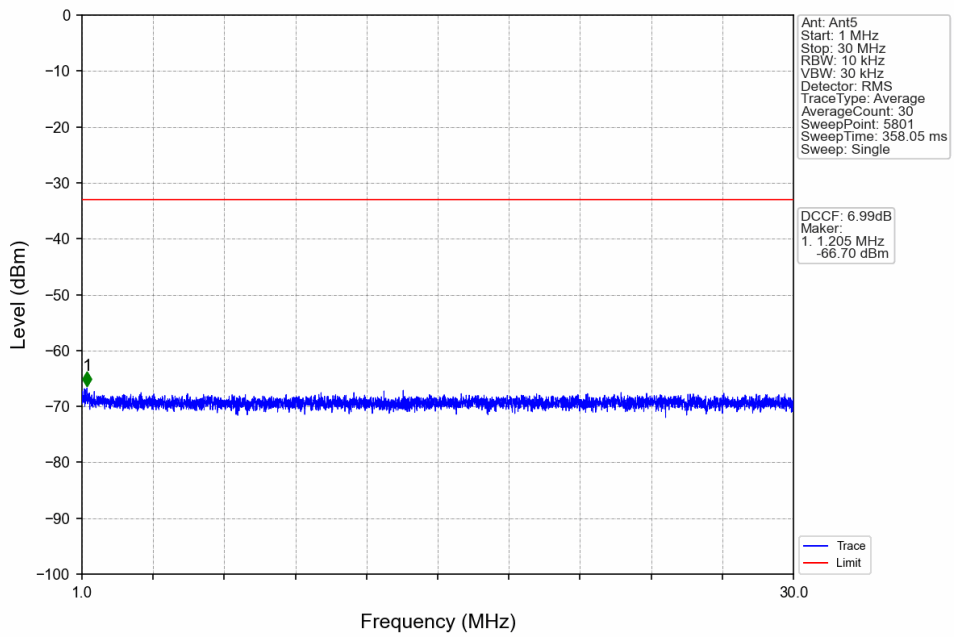


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.0051	0	1	3519.990	-69.91	-13	Pass
3549.99	3549.99	0.0051	0	/	/	/	/	/
3549.99	3550.99	0.0051	0	2	3549.994	-34.63	-13	Pass
3550.99	3554.99	0.5	19.91	3	3551.162	-30.78	-13	Pass
3554.99	3555	1	22.92	4	3554.995	-37.12	-13	Pass

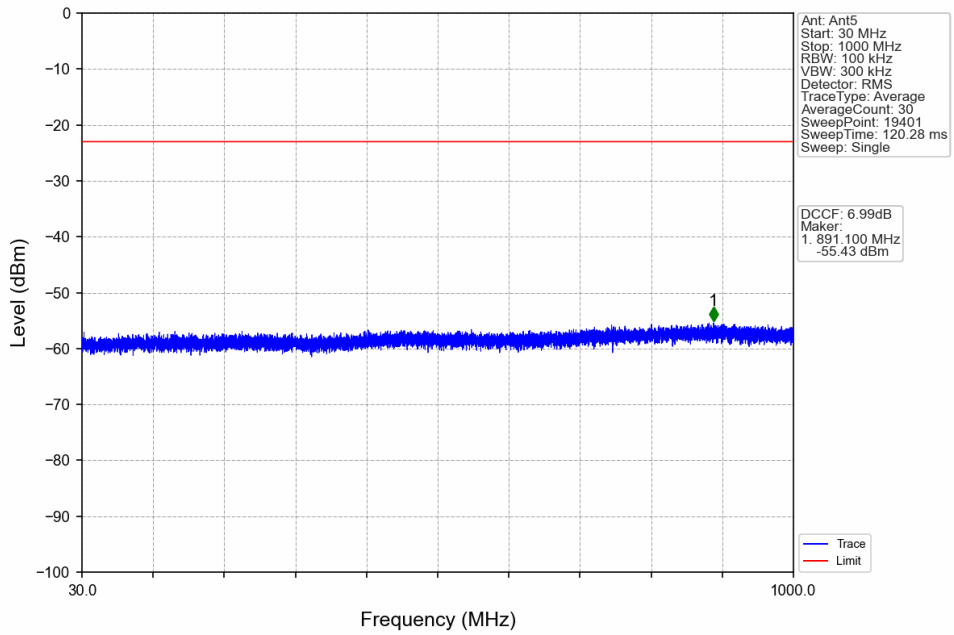
n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3534.99MHz\_Edge\_1RB\_Right



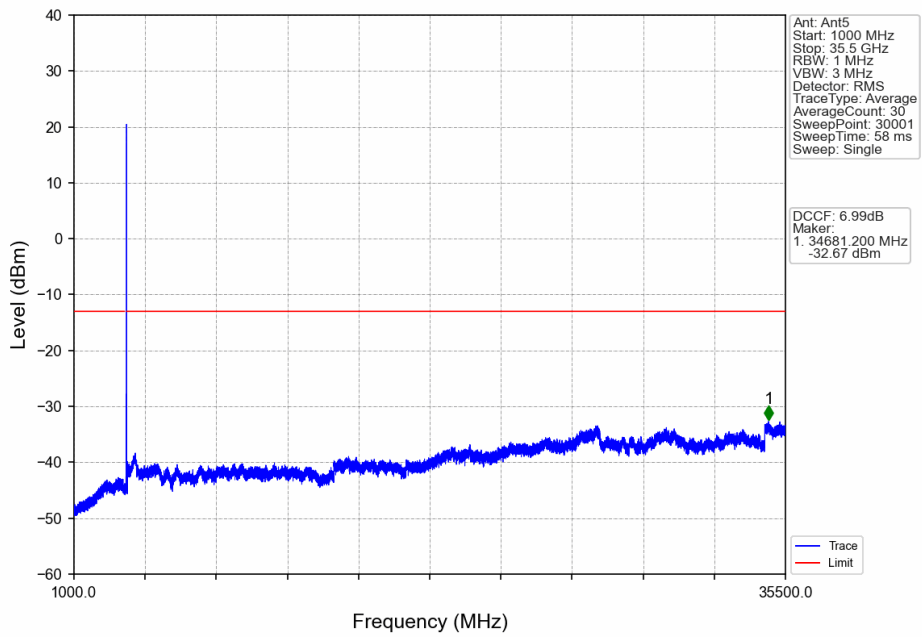
n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3534.99MHz\_Edge\_1RB\_Right



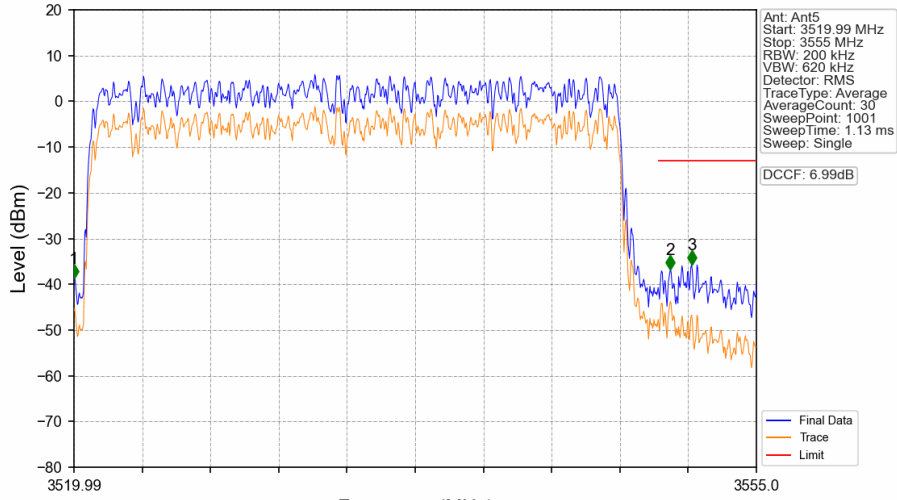
n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3534.99MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK\_3534.99MHz\_Edge\_1RB\_Right

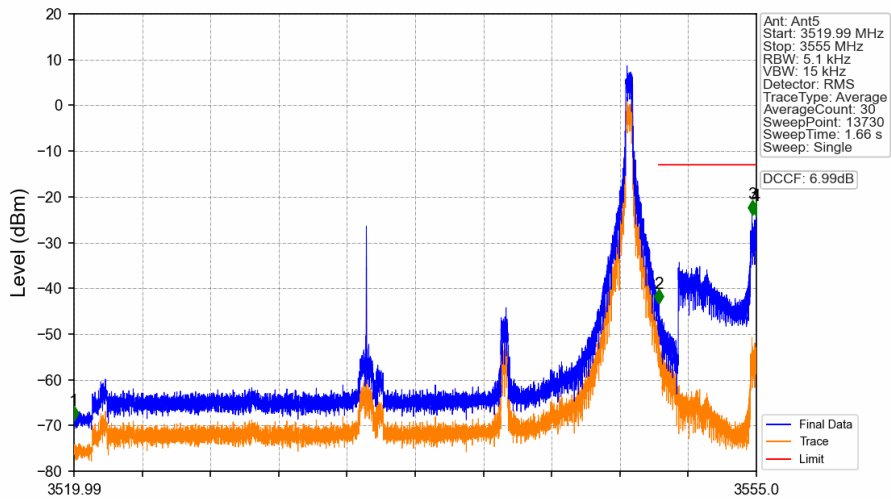


n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK 3534.99MHz\_Outer\_Full



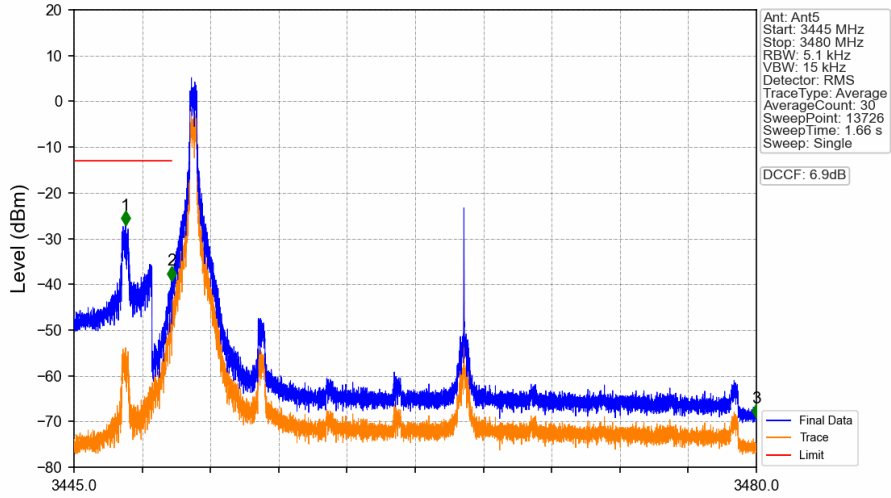
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.2	0	1	3519.990	-38.78	-13	Pass
3549.99	3549.99	0.2	0	/	/	/	/	/
3549.99	3550.99	0.2	0	2	3550.589	-36.74	-13	Pass
3550.99	3554.99	0.5	3.98	3	3551.674	-35.75	-13	Pass

n78e\_30kHz\_SISO\_NTNV\_30MHz\_DFT-s-OFDM QPSK 3534.99MHz\_Inner\_1RB\_Right



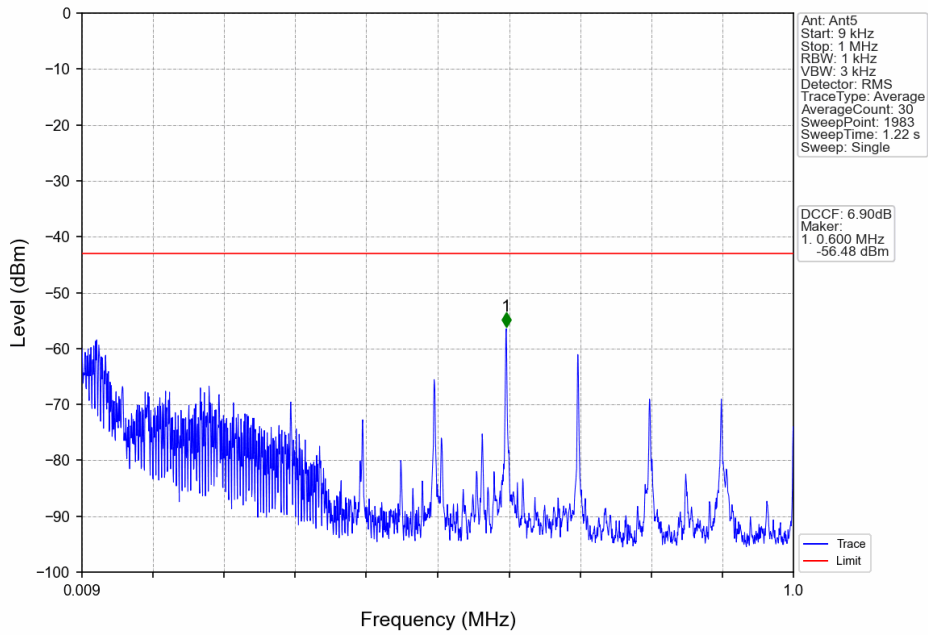
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.0051	0	1	3519.990	-68.94	-13	Pass
3549.99	3549.99	0.0051	0	/	/	/	/	/
3549.99	3550.99	0.0051	0	2	3549.992	-43.29	-13	Pass
3550.99	3554.99	0.5	19.91	3	3554.773	-23.84	-13	Pass
3554.99	3555	1	22.92	4	3554.995	-24.19	-13	Pass

n78e\_30kHz\_SISO\_NTV\_30MHz\_CP-OFDM\_QPSK\_3465MHz\_Edge\_1RB\_Left

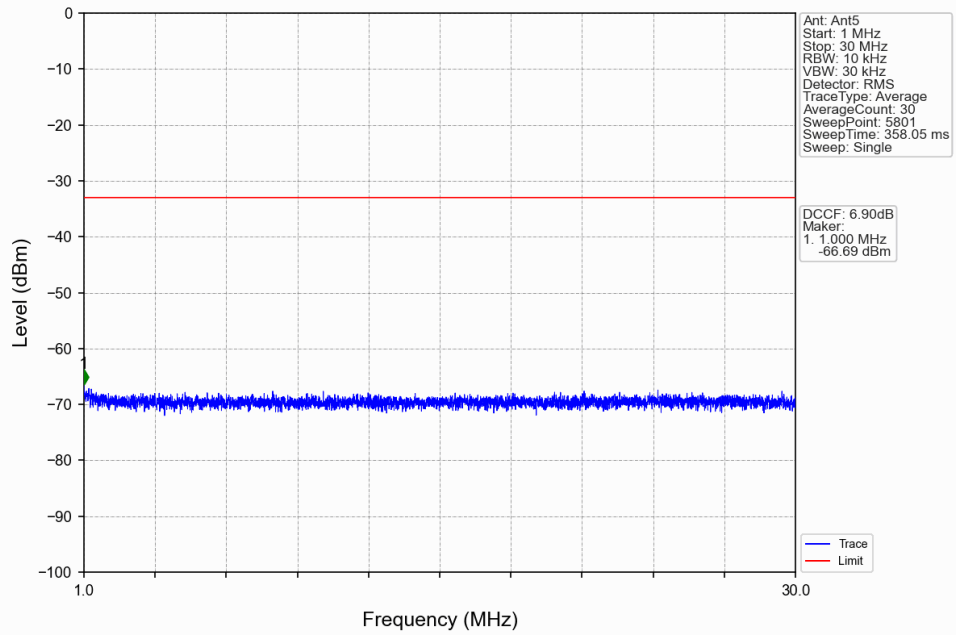


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	19.91	1	3447.647	-27.04	-13	Pass
3449	3450	0.0051	0	2	3449.998	-39.17	-13	Pass
3450	3480	0.0051	0	3	3480.000	-69.25	-13	Pass

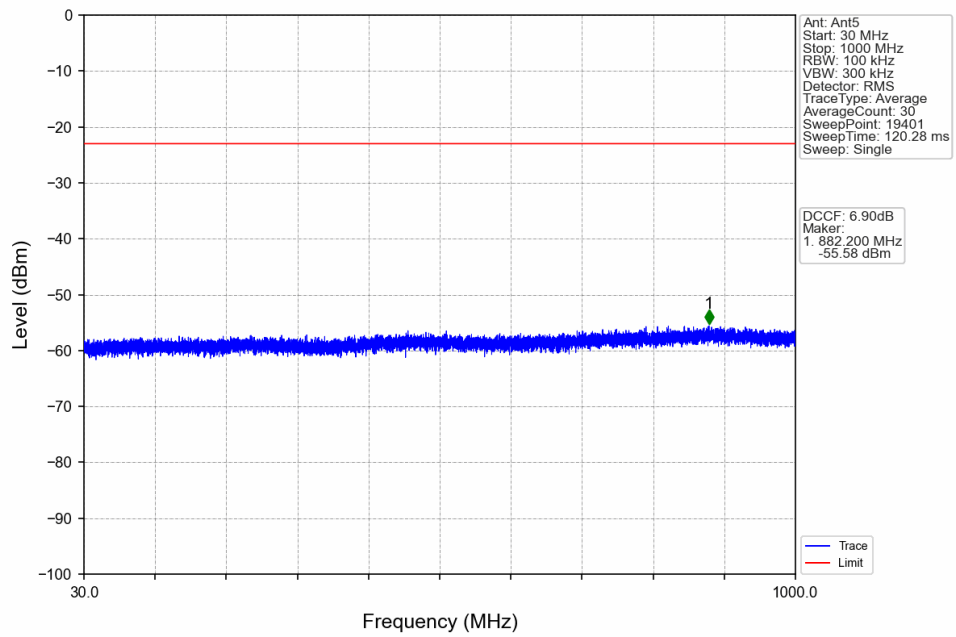
n78e\_30kHz\_SISO\_NTV\_30MHz\_CP-OFDM\_QPSK\_3465MHz\_Edge\_1RB\_Left



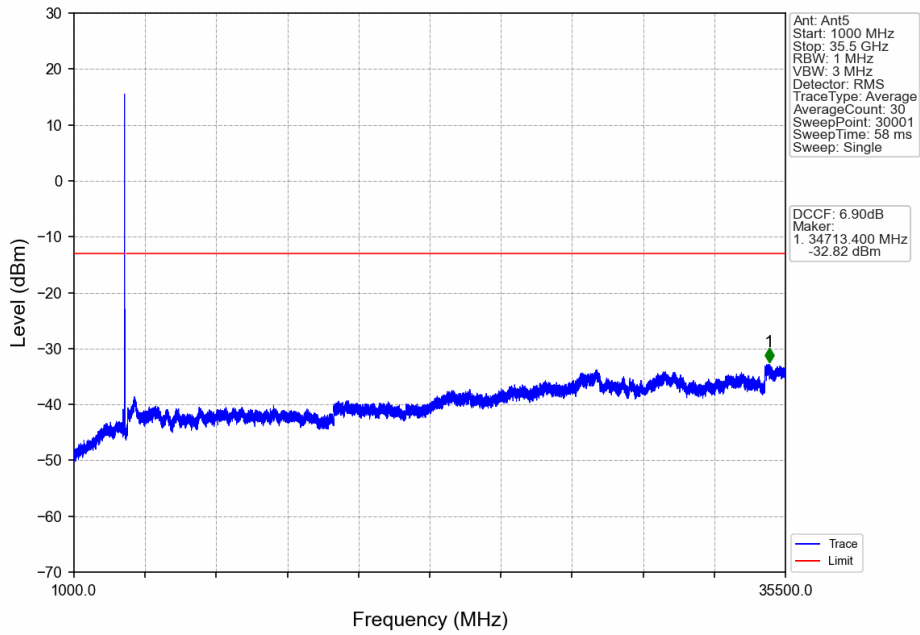
n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3465MHz\_Edge\_1RB\_Left



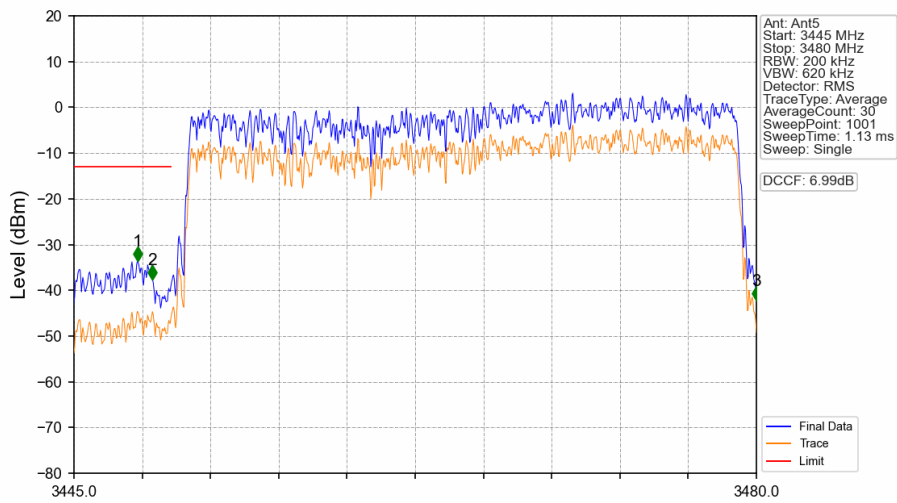
n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3465MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTV\_30MHz\_CP-OFDM\_QPSK\_3465MHz\_Edge\_1RB\_Left



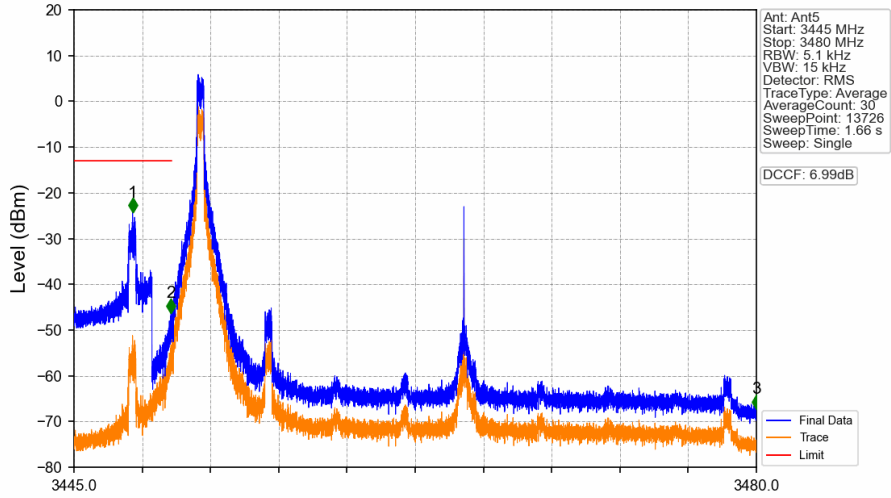
n78e\_30kHz\_SISO\_NTV\_30MHz\_CP-OFDM\_QPSK\_3465MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	3.98	1	3448.255	-33.63	-13	Pass
3449	3450	0.2	0	2	3449.025	-37.68	-13	Pass
3450	3480	0.2	0	3	3480.000	-42.24	-13	Pass

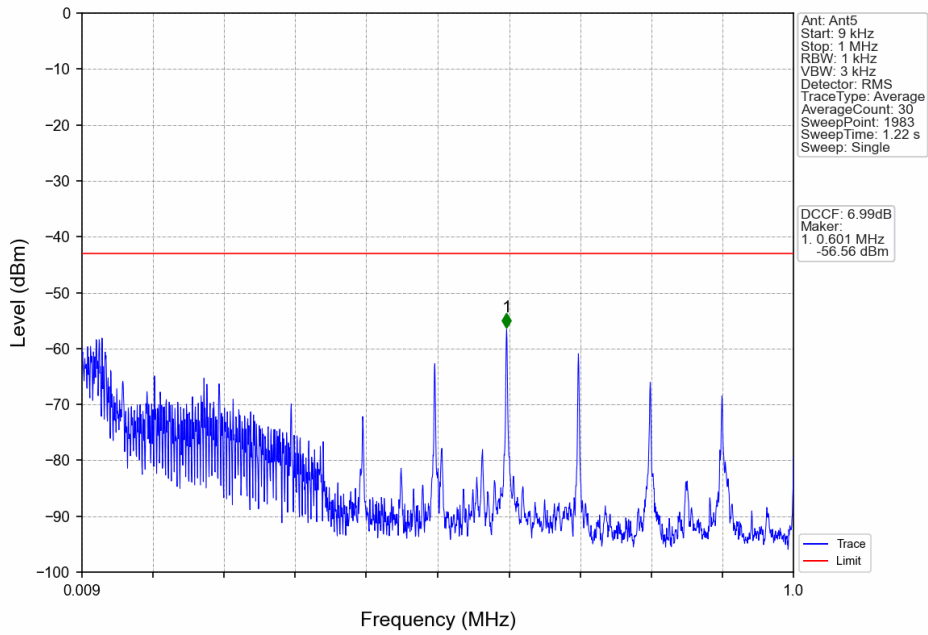


n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3465MHz\_Inner\_1RB\_Left

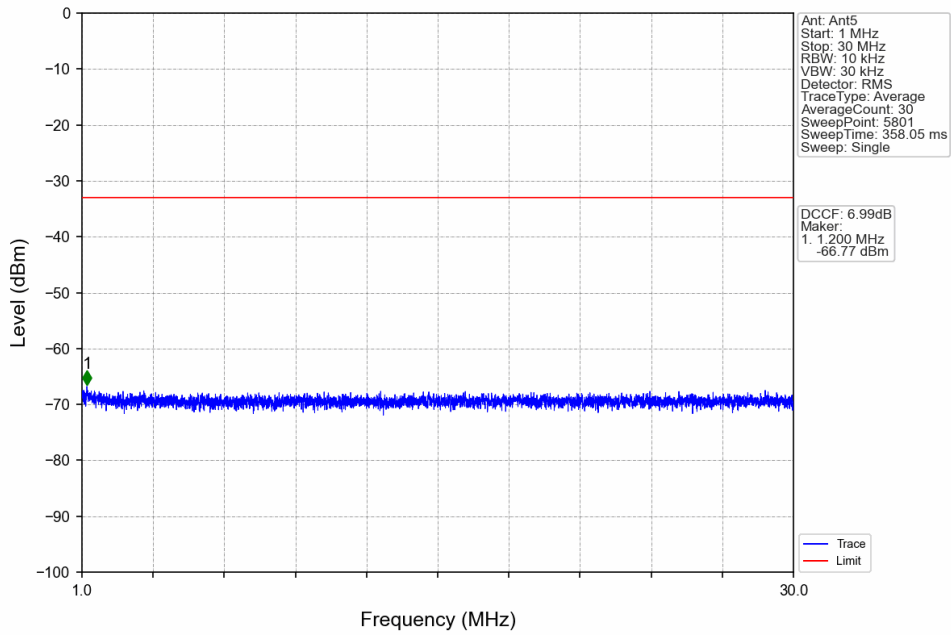


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	19.91	1	3448.004	-24.29	-13	Pass
3449	3450	0.0051	0	2	3449.975	-46.25	-13	Pass
3450	3480	0.0051	0	3	3480.000	-67.21	-13	Pass

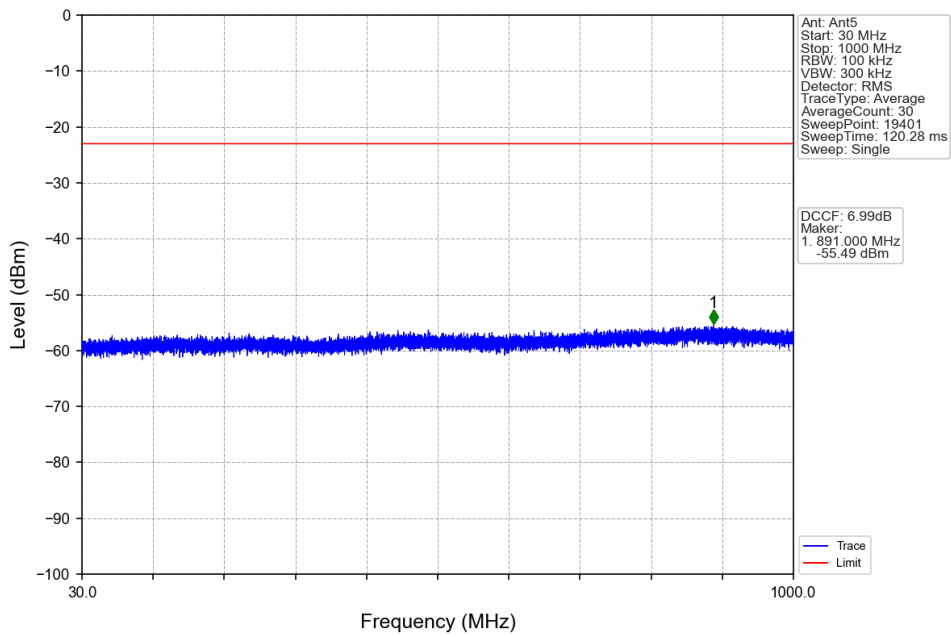
n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



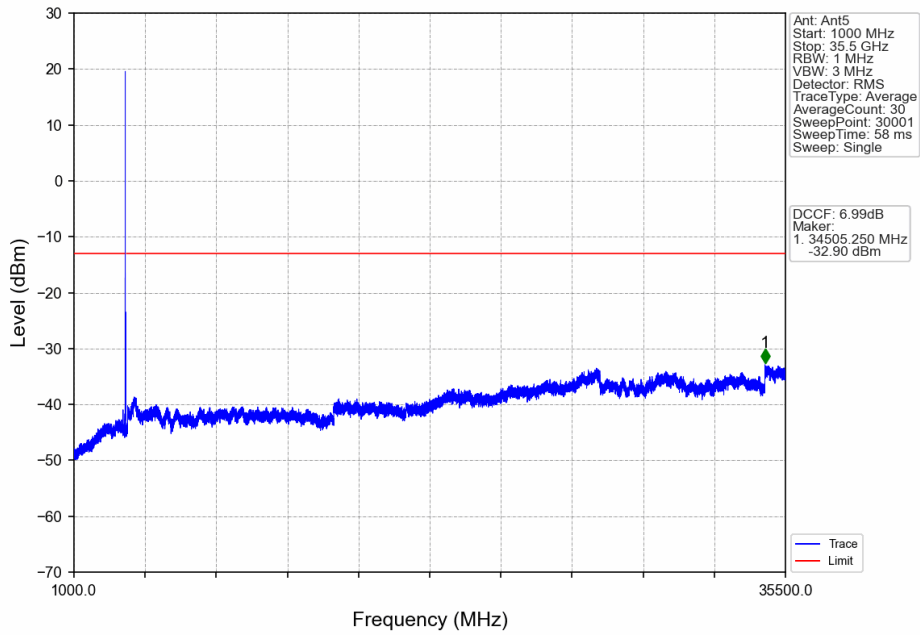
n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



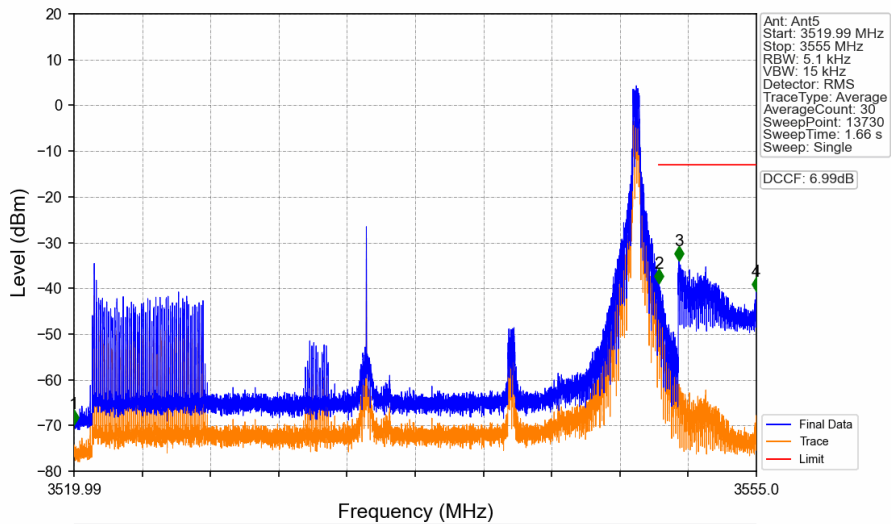
n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3500.01MHz\_Edge\_1RB\_Left

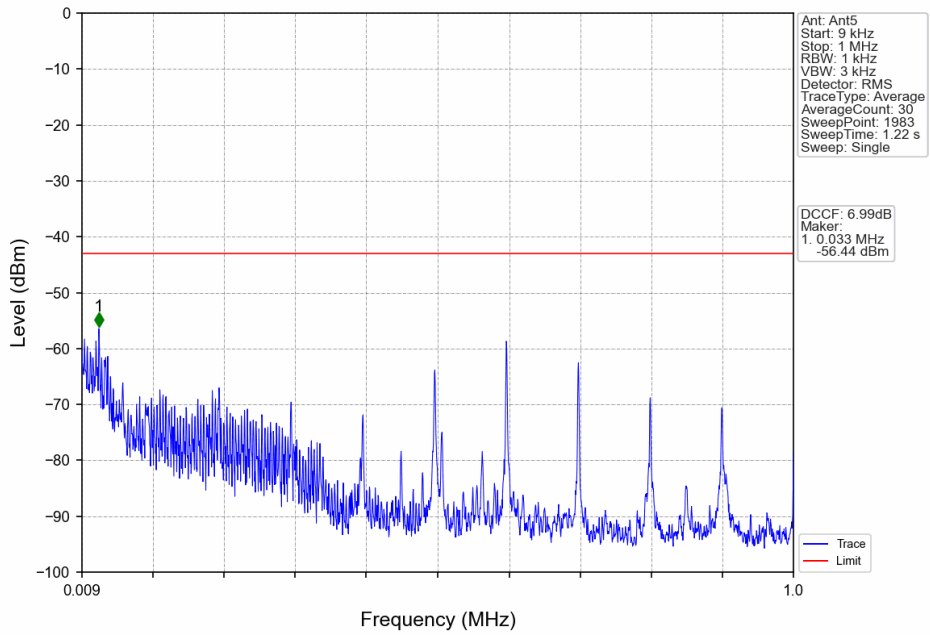


n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3534.99MHz\_Edge\_1RB\_Right

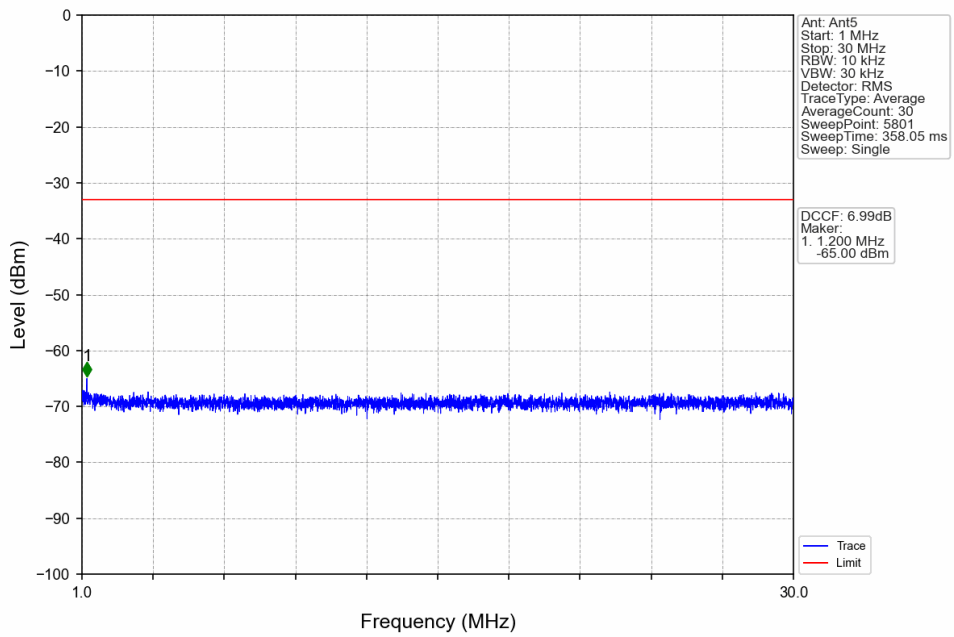


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.0051	0	1	3519.990	-69.68	-13	Pass
3549.99	3549.99	0.0051	0	/	/	/	/	/
3549.99	3550.99	0.0051	0	2	3549.994	-38.91	-13	Pass
3550.99	3554.99	0.5	19.91	3	3551.027	-34.04	-13	Pass
3554.99	3555	1	22.92	4	3554.992	-40.68	-13	Pass

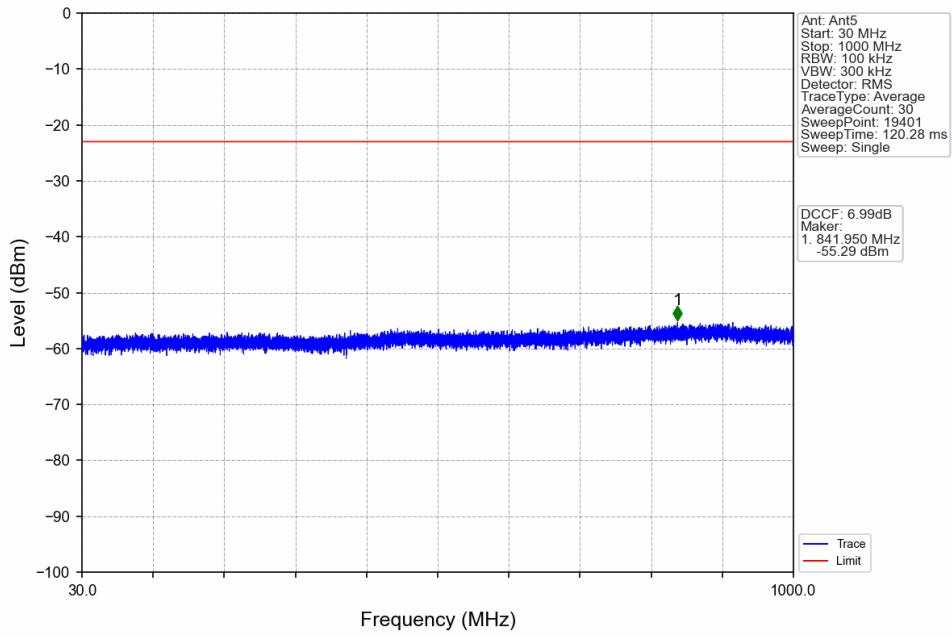
n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3534.99MHz\_Edge\_1RB\_Right



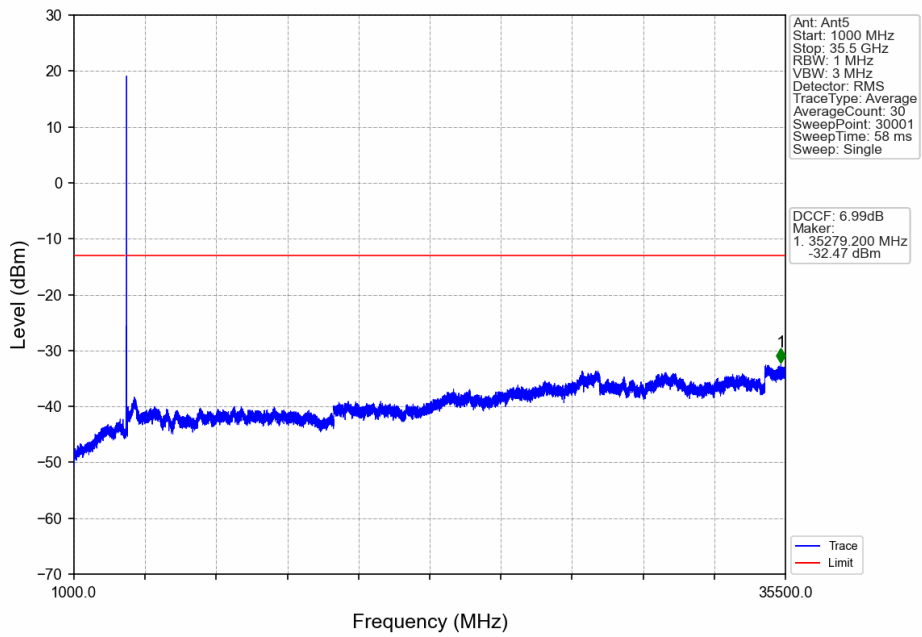
n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3534.99MHz\_Edge\_1RB\_Right



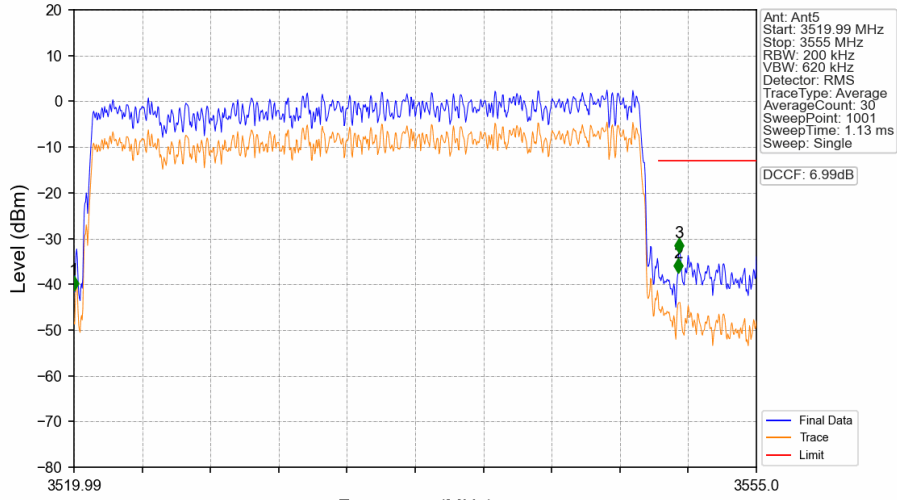
n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3534.99MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3534.99MHz\_Edge\_1RB\_Right

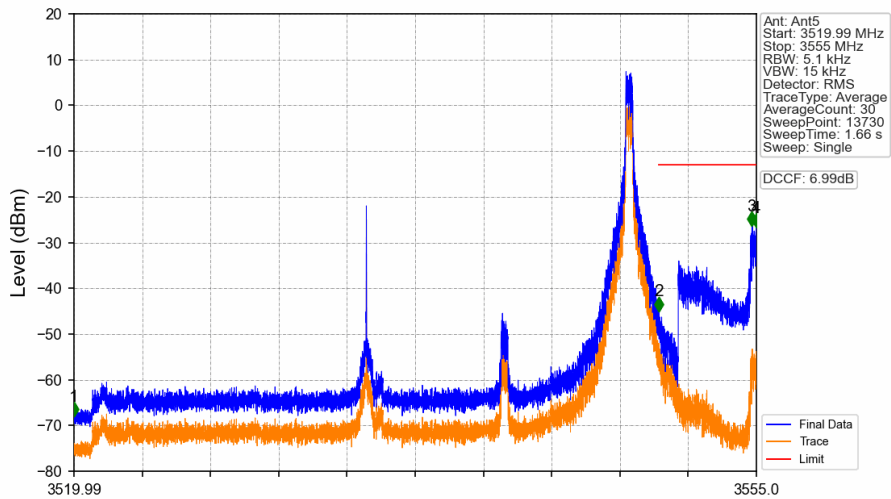


n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3534.99MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3519.99	3549.99	0.2	0	1	3519.990	-41.30	-13	Pass
3549.99	3549.99	0.2	0	/	/	/	/	/
3549.99	3550.99	0.2	0	2	3550.974	-37.46	-13	Pass
3550.99	3554.99	0.5	3.98	3	3551.044	-33.04	-13	Pass

n78e\_30kHz\_SISO\_NTNV\_30MHz\_CP-OFDM QPSK\_3534.99MHz\_Inner\_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	-68.03	-13	Pass
3549.99	3549.99	0.0051	0	/	/	/	/	/
3549.99	3550.99	0.0051	0	2	3549.997	-45.00	-13	Pass
3550.99	3554.99	0.5	19.91	3	3554.770	-26.36	-13	Pass
3554.99	3555	1	22.92	4	3554.995	-26.78	-13	Pass

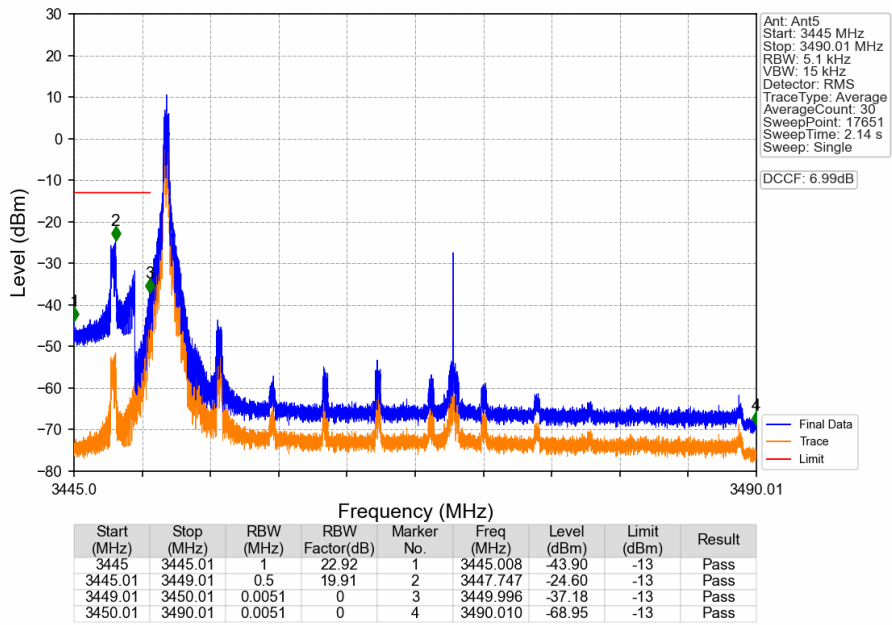
### 1.3 30k\_SISO\_40MHz\_NTNV

#### 1.3.1 Test Result

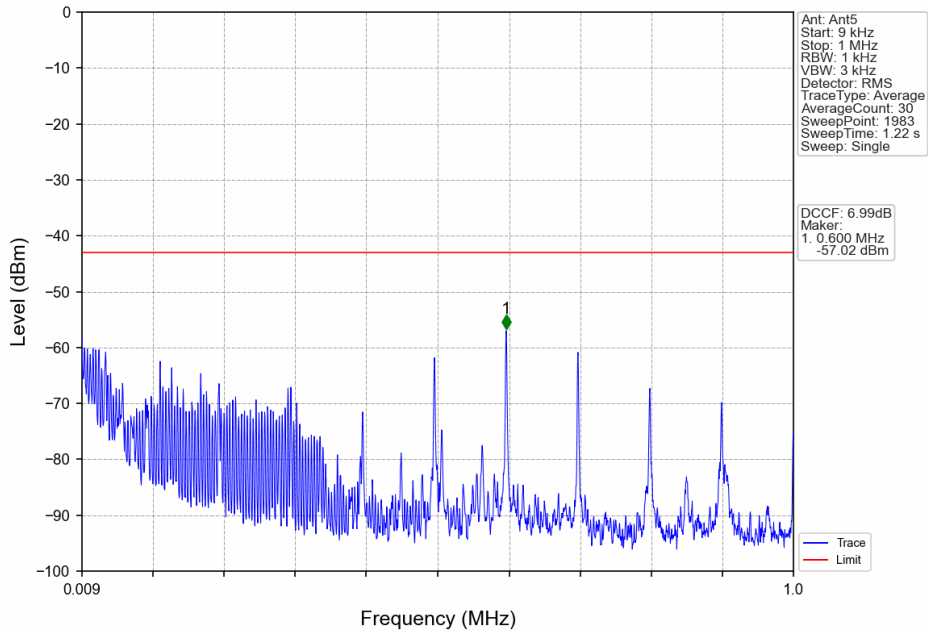
5G NR n78e SCS=30kHz SISO 40MHz NTN							
Modulation	Frequency (MHz)	RB Allocation	Spurious Emission			Verdict	
			Ant5	Ant2	Sum		Limit
DFT-s-OFDM QPSK	3470.01	Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
		Inner_1RB_Left	Refer To Test Graph			Pass	
	3500.01	Edge_1RB_Left	Refer To Test Graph			Pass	
		3529.98	Edge_1RB_Right	Refer To Test Graph			Pass
			Outer_Full	Refer To Test Graph			Pass
CP-OFDM QPSK	3470.01	Inner_1RB_Right	Refer To Test Graph			Pass	
		Edge_1RB_Left	Refer To Test Graph			Pass	
		Outer_Full	Refer To Test Graph			Pass	
	3500.01	Inner_1RB_Left	Refer To Test Graph			Pass	
		3529.98	Edge_1RB_Left	Refer To Test Graph			Pass
			Edge_1RB_Right	Refer To Test Graph			Pass
3529.98	Outer_Full	Refer To Test Graph			Pass		
	Inner_1RB_Right	Refer To Test Graph			Pass		

### 1.3.2 Test Graph

n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3470.01MHz\_Edge\_1RB\_Left

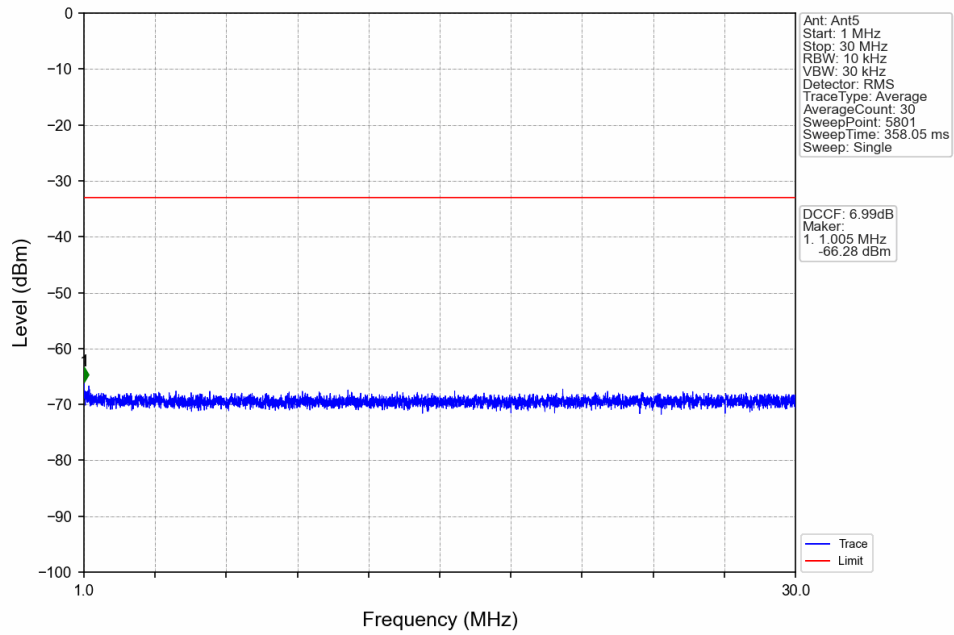


n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK\_3470.01MHz\_Edge\_1RB\_Left

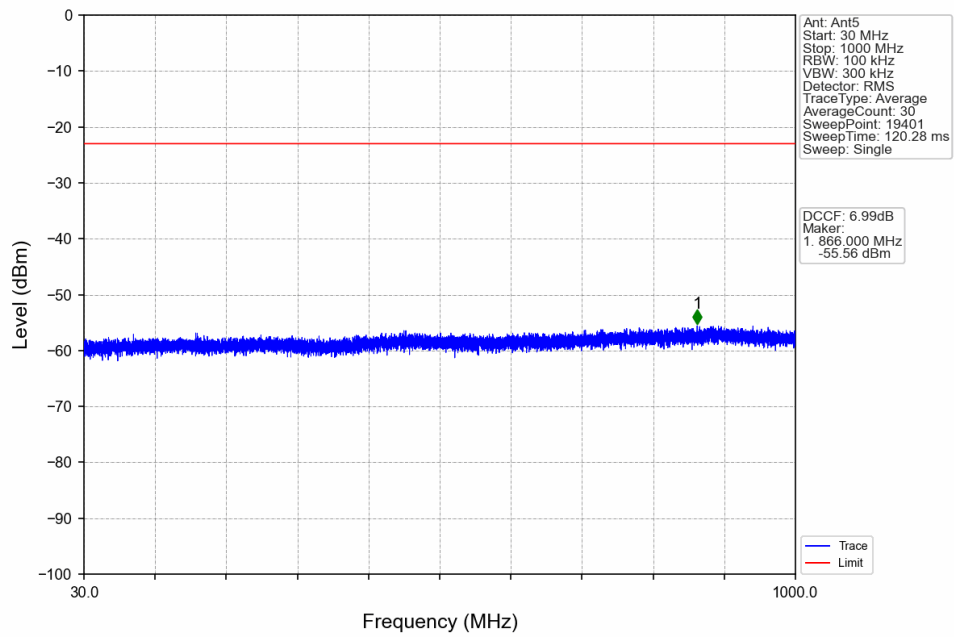




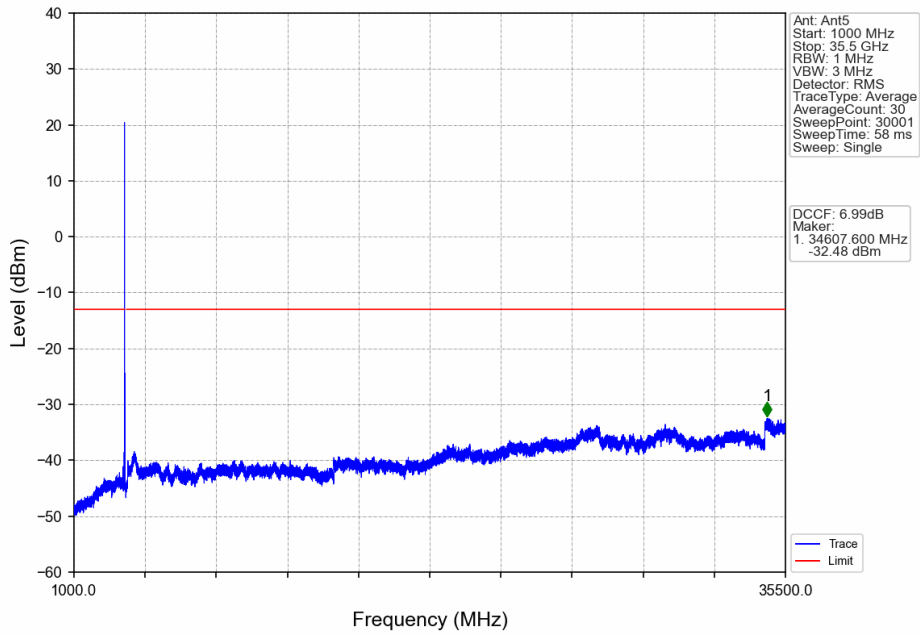
n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3470.01MHz\_Edge\_1RB\_Left



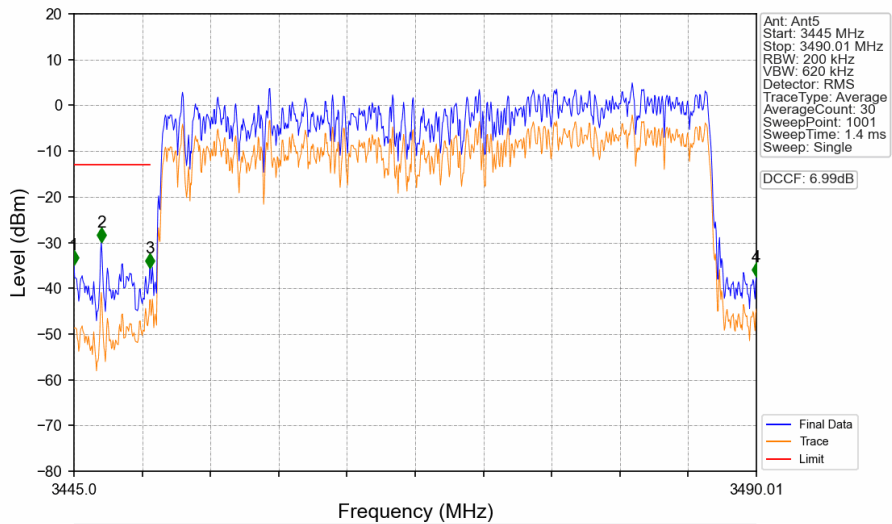
n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3470.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3470.01MHz\_Edge\_1RB\_Left

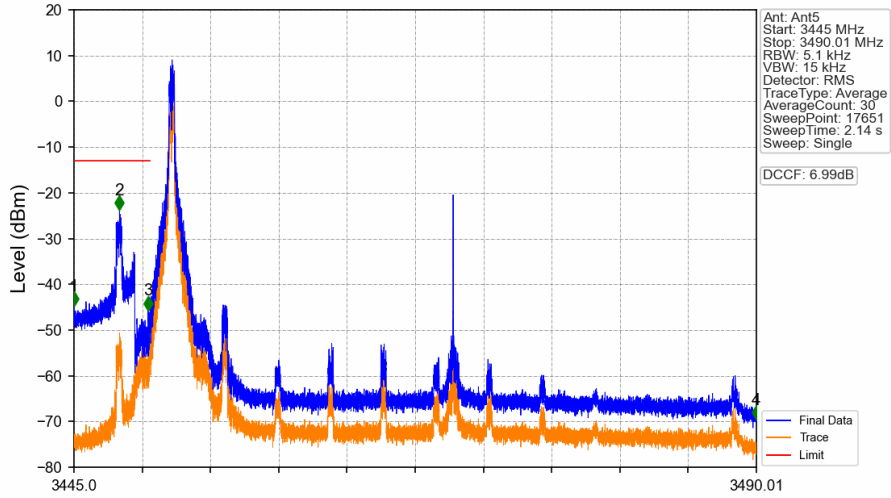


n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3470.01MHz\_Outer\_Full



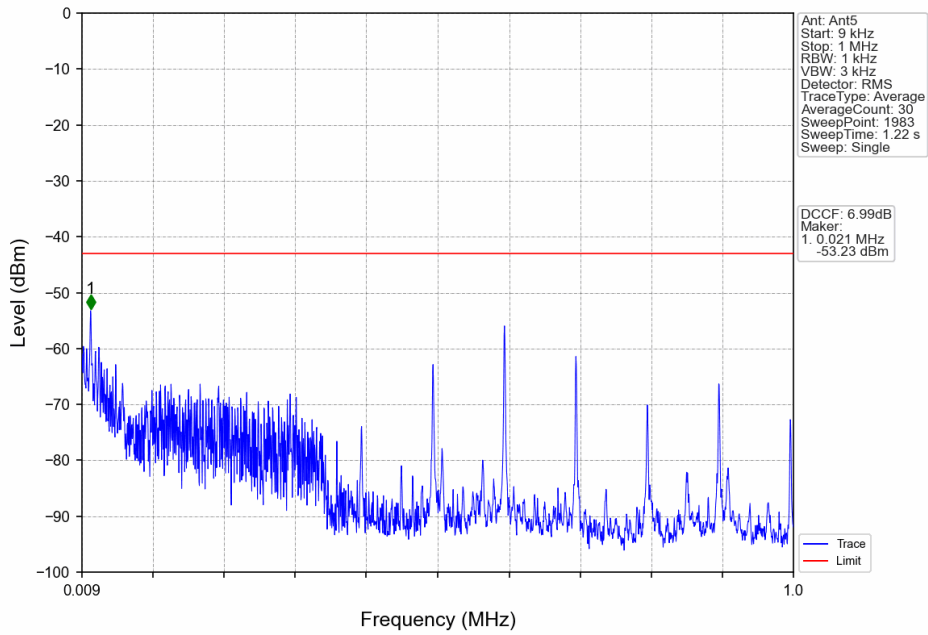
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	6.99	1	3445.000	-34.81	-13	Pass
3445.01	3449.01	0.5	3.98	2	3446.800	-29.95	-13	Pass
3449.01	3450.01	0.2	0	3	3449.996	-35.58	-13	Pass
3450.01	3490.01	0.2	0	4	3490.010	-37.52	-13	Pass

n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3470.01MHz\_Inner\_1RB\_Left

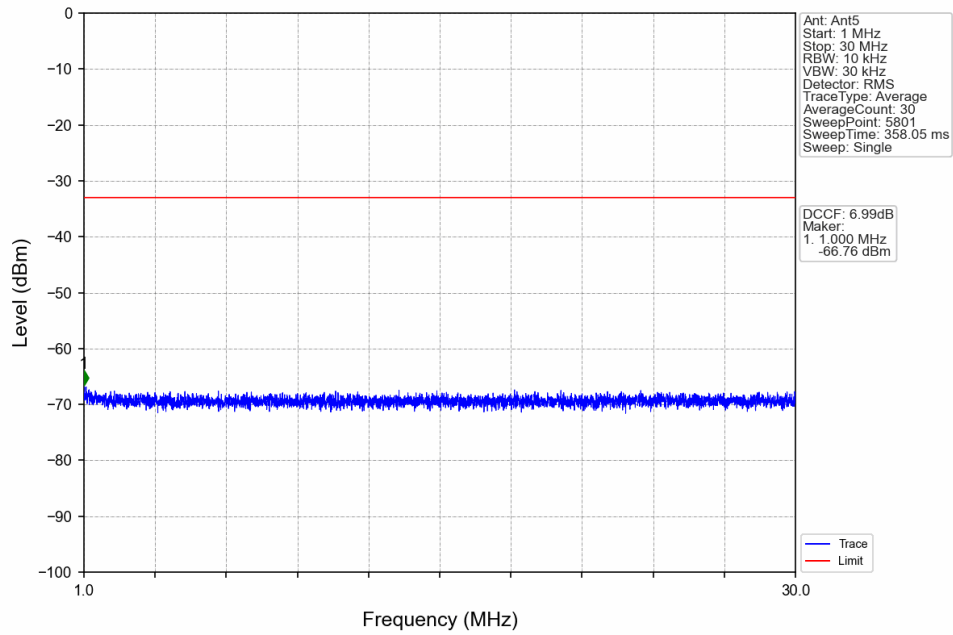


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	22.92	1	3445.003	-44.79	-13	Pass
3445.01	3449.01	0.5	19.91	2	3448.004	-23.73	-13	Pass
3449.01	3450.01	0.0051	0	3	3449.896	-45.70	-13	Pass
3450.01	3490.01	0.0051	0	4	3490.010	-69.66	-13	Pass

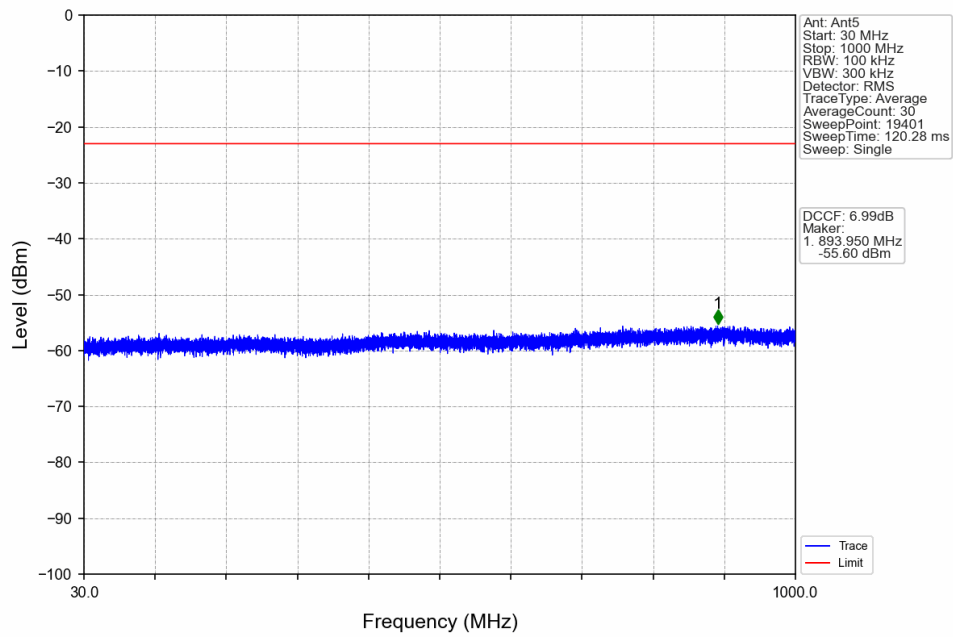
n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



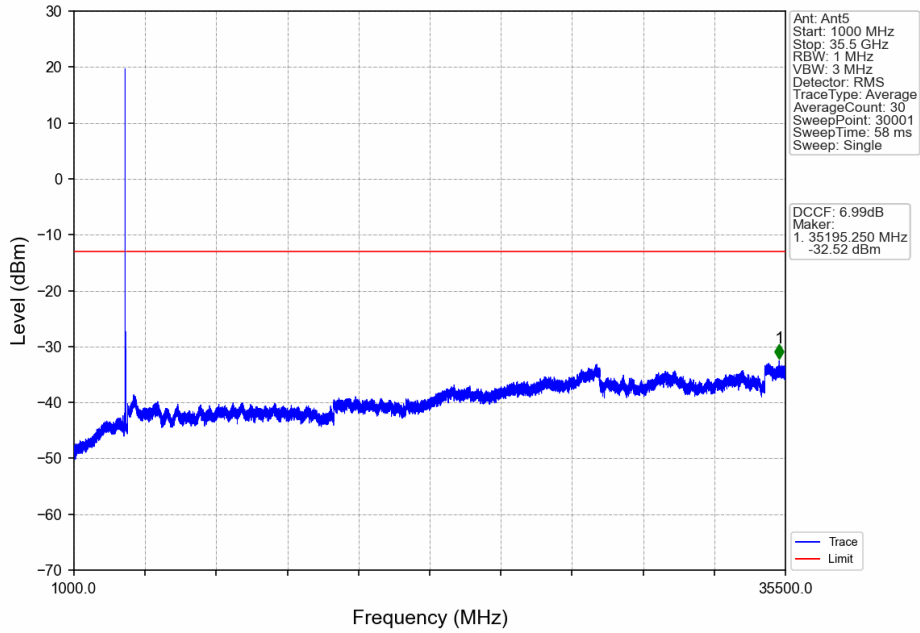
n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



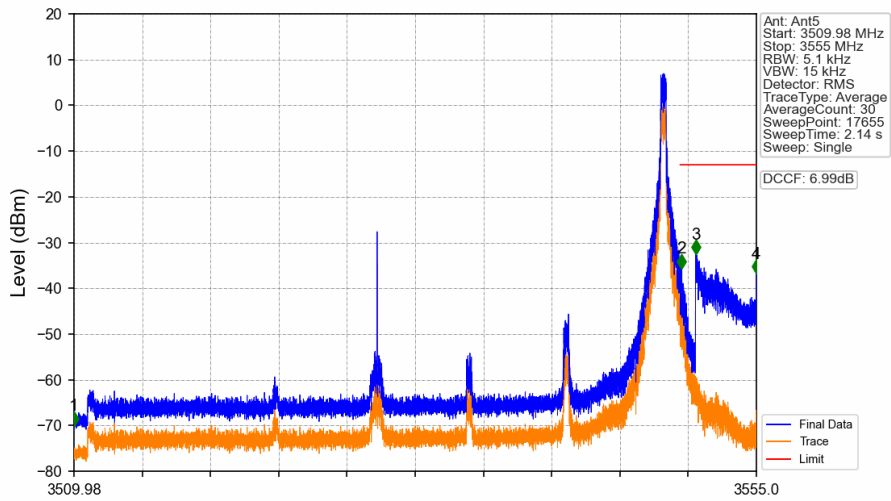
n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left

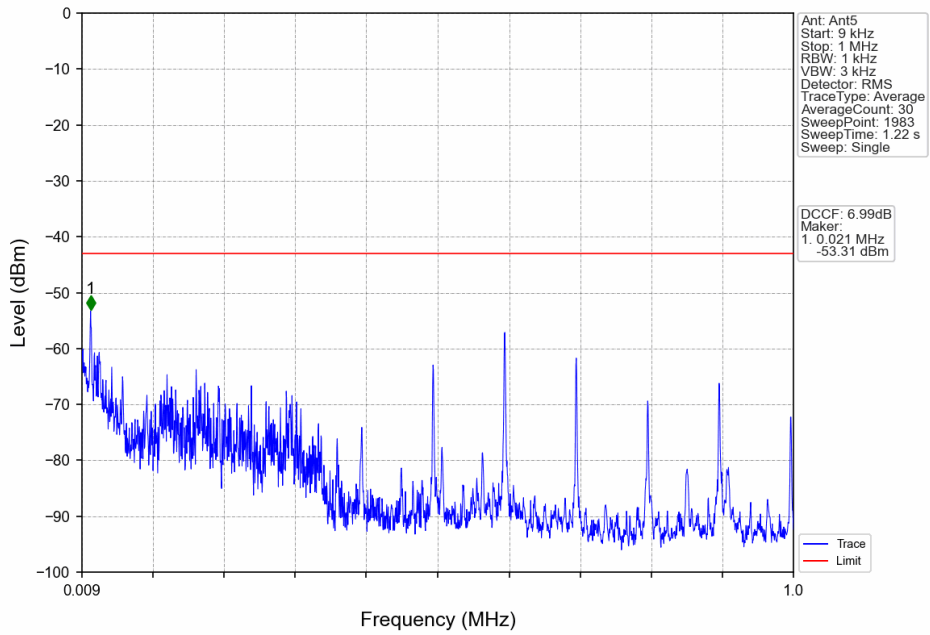


n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3529.98MHz\_Edge\_1RB\_Right

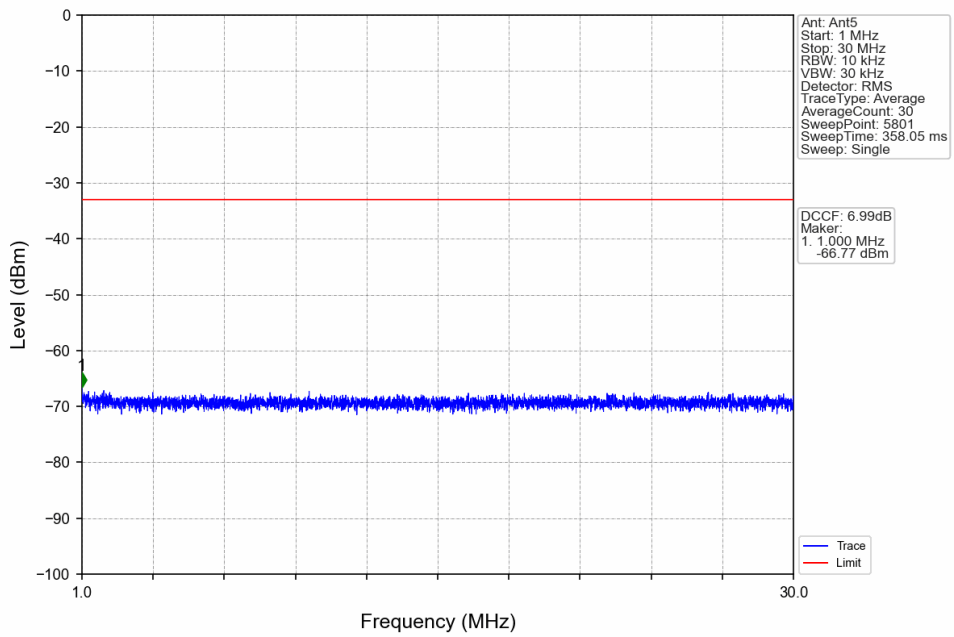


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3509.98	3549.98	0.0051	0	1	3509.980	-70.04	-13	Pass
3549.98	3549.98	0.0051	0	/	/	/	/	/
3549.98	3550.98	0.0051	0	2	3550.050	-35.67	-13	Pass
3550.98	3554.98	0.5	19.91	3	3551.009	-32.58	-13	Pass
3554.98	3555	1	22.92	4	3554.992	-36.74	-13	Pass

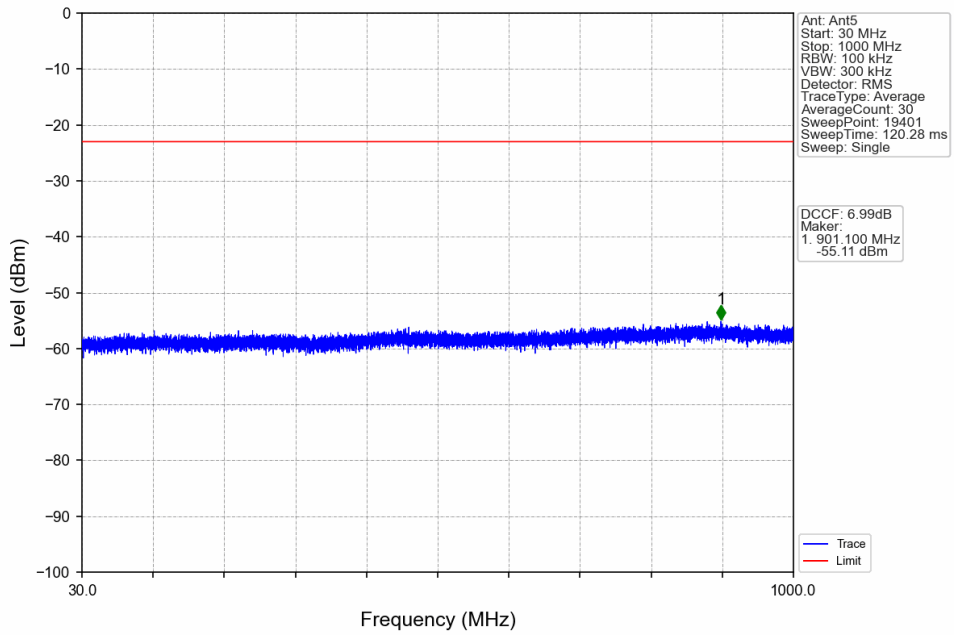
n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3529.98MHz\_Edge\_1RB\_Right



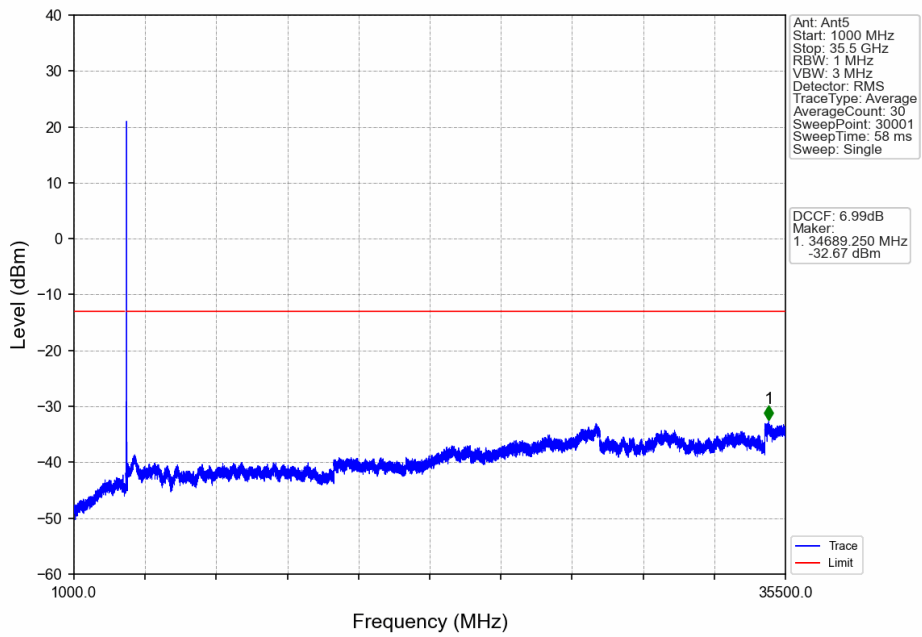
n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3529.98MHz\_Edge\_1RB\_Right



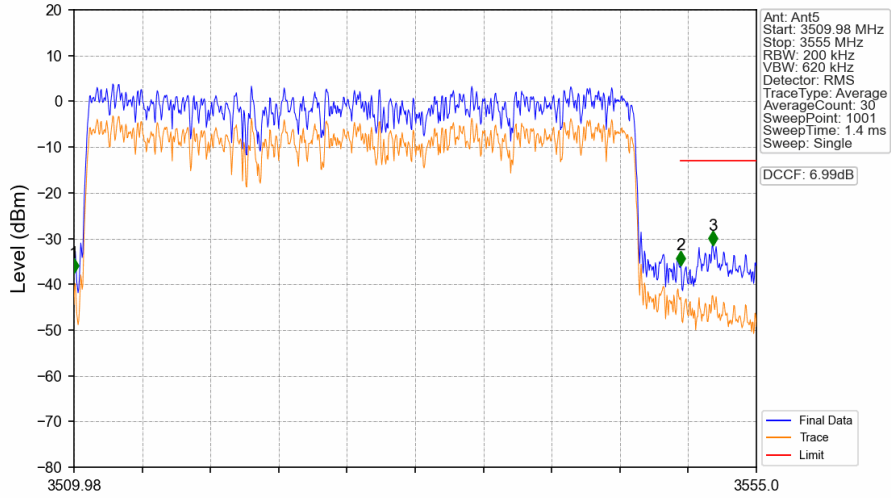
n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3529.98MHz\_Edge\_1RB\_Right



n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM\_QPSK\_3529.98MHz\_Edge\_1RB\_Right

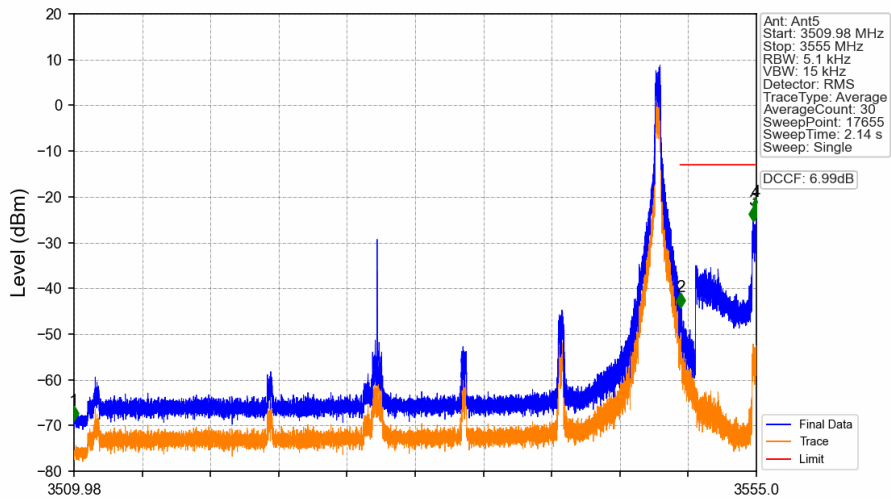


n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK 3529.98MHz\_Outer\_Full



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3509.98	3549.98	0.2	0	1	3509.980	-37.44	-13	Pass
3549.98	3549.98	0.2	0	/	/	/	/	/
3549.98	3550.98	0.2	0	2	3550.003	-35.84	-13	Pass
3550.98	3554.98	0.5	3.98	3	3552.119	-31.49	-13	Pass

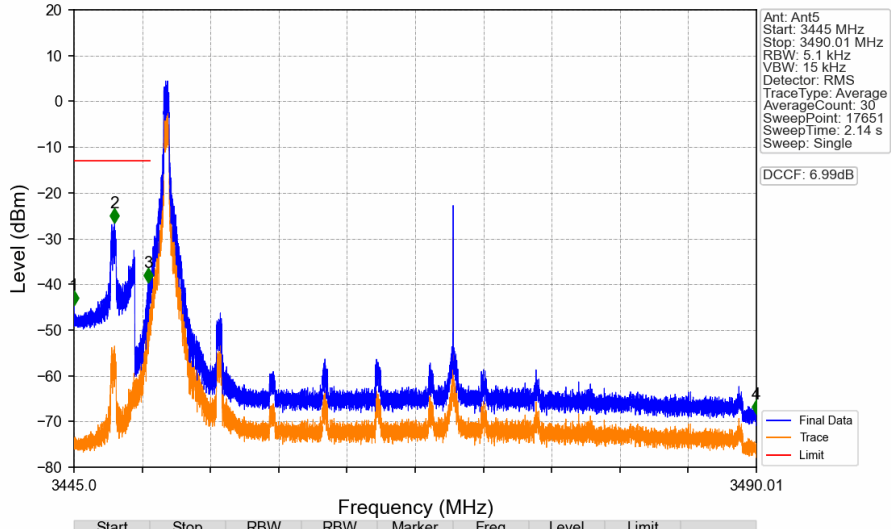
n78e\_30kHz\_SISO\_NTNV\_40MHz\_DFT-s-OFDM QPSK 3529.98MHz\_Inner\_1RB\_Right



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3509.98	3549.98	0.0051	0	1	3509.980	-68.86	-13	Pass
3549.98	3549.98	0.0051	0	/	/	/	/	/
3549.98	3550.98	0.0051	0	2	3550.017	-44.13	-13	Pass
3550.98	3554.98	0.5	19.91	3	3554.786	-25.27	-13	Pass
3554.98	3555	1	22.92	4	3554.982	-23.23	-13	Pass

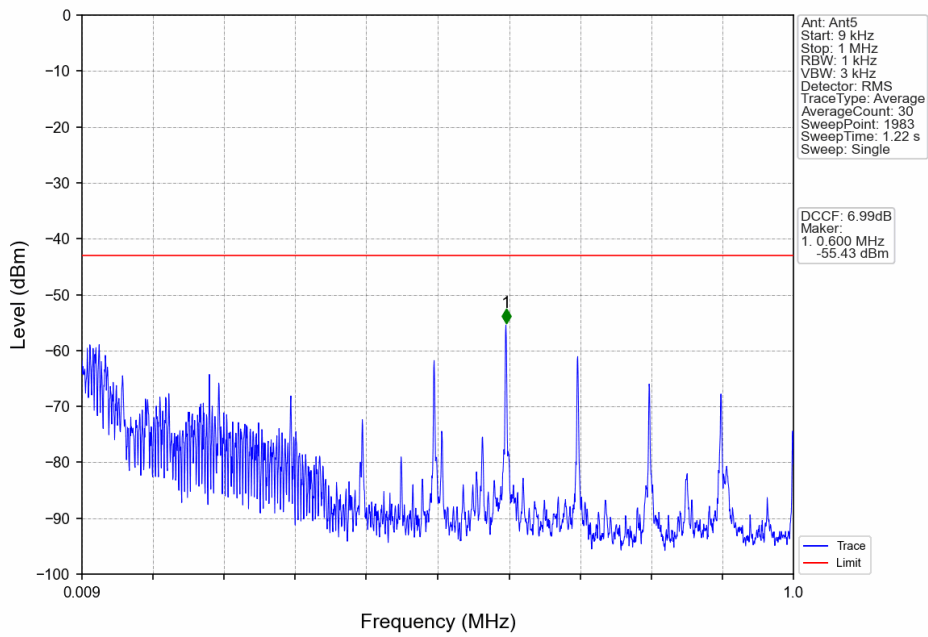


n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3470.01MHz\_Edge\_1RB\_Left

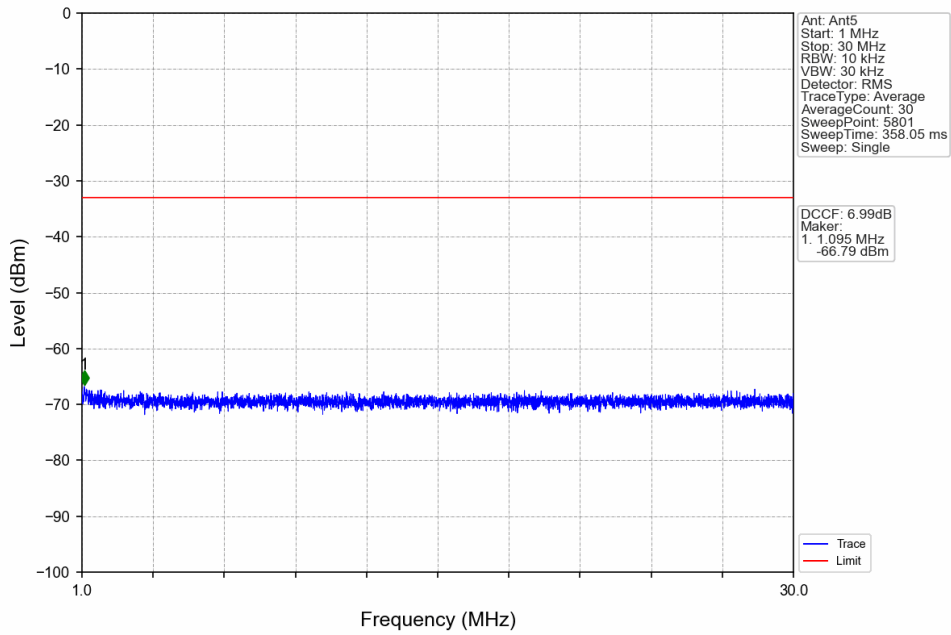


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	22.92	1	3445.000	-44.59	-13	Pass
3445.01	3449.01	0.5	19.91	2	3447.675	-26.60	-13	Pass
3449.01	3450.01	0.0051	0	3	3449.904	-39.67	-13	Pass
3450.01	3490.01	0.0051	0	4	3490.010	-68.40	-13	Pass

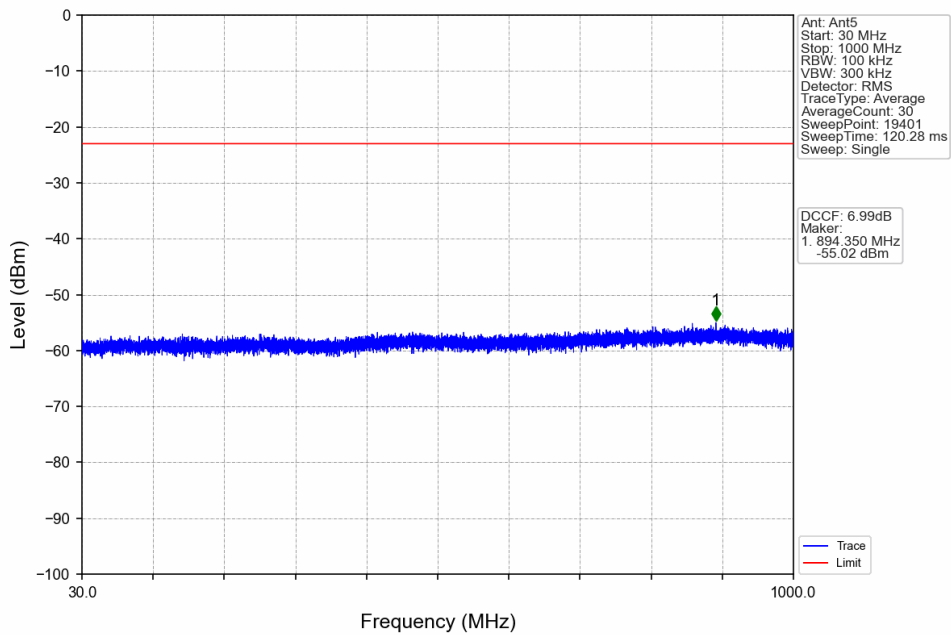
n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3470.01MHz\_Edge\_1RB\_Left



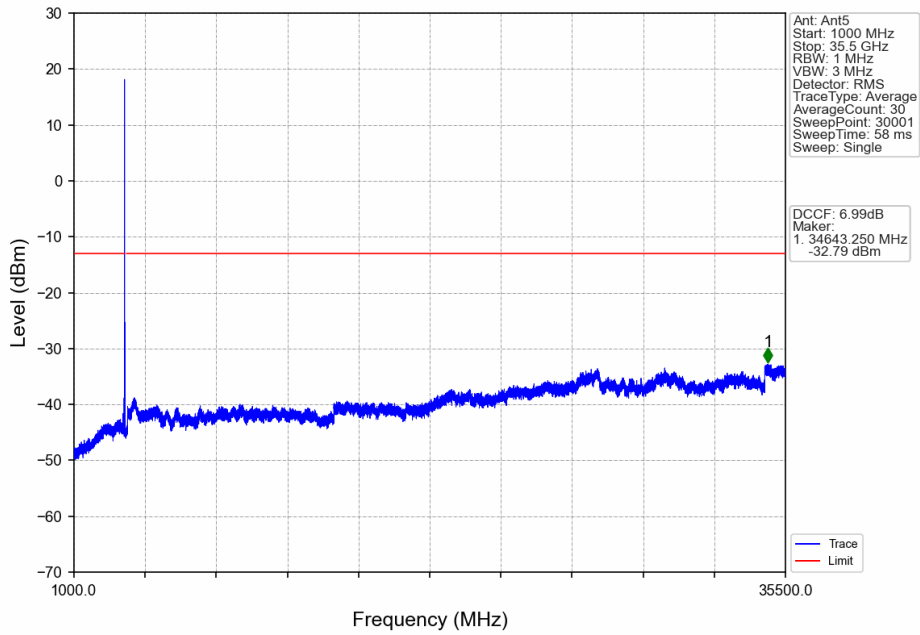
n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3470.01MHz\_Edge\_1RB\_Left



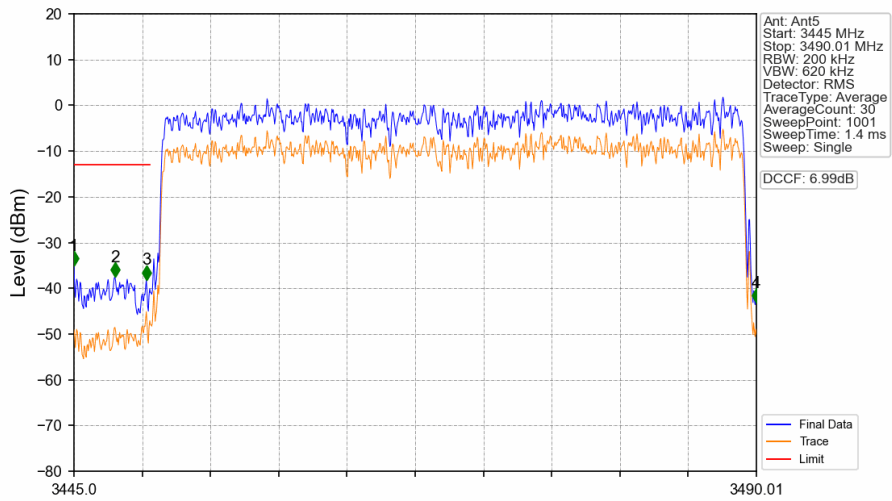
n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3470.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3470.01MHz\_Edge\_1RB\_Left

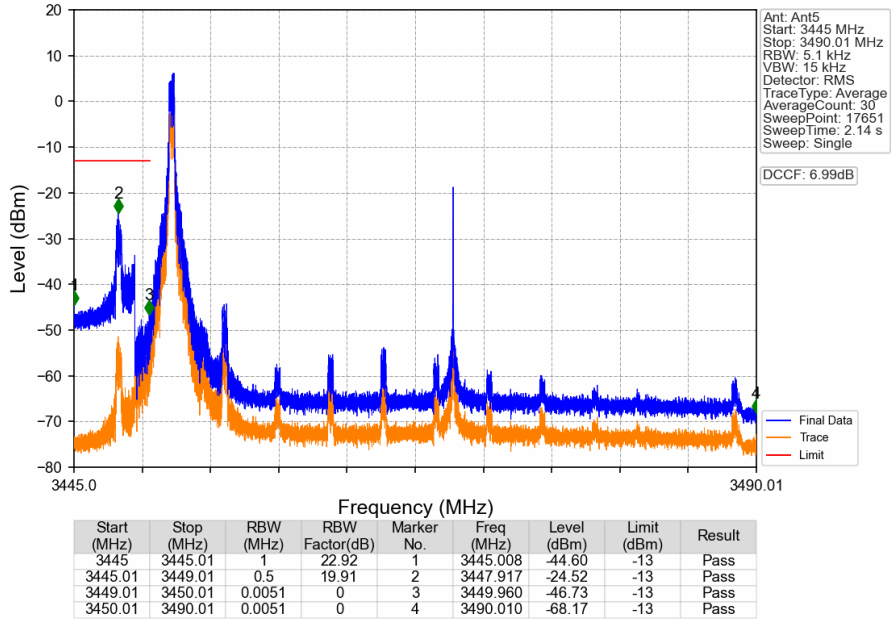


n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3470.01MHz\_Outer\_Full

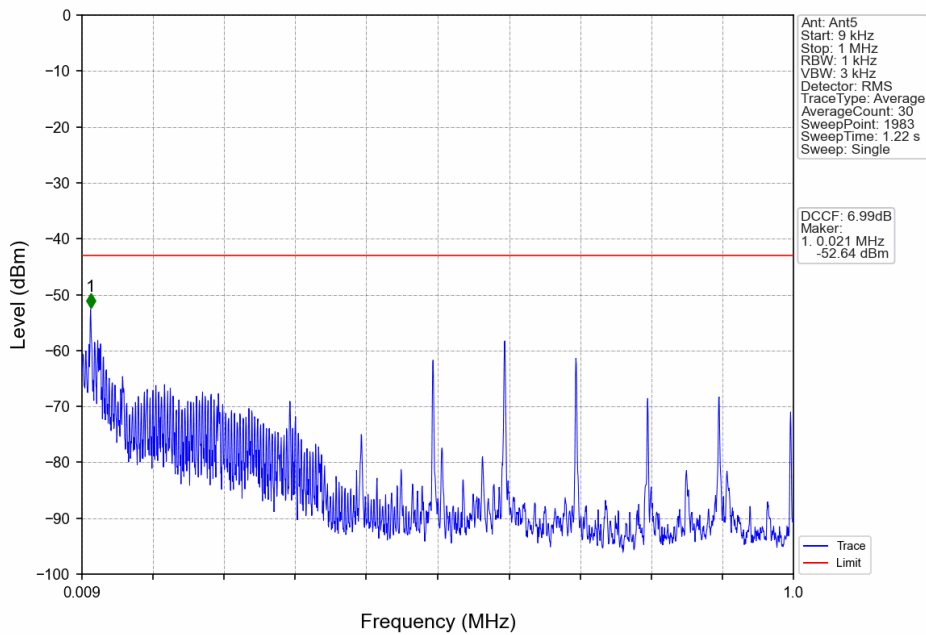


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3445.01	1	6.99	1	3445.000	-35.07	-13	Pass
3445.01	3449.01	0.5	3.98	2	3447.701	-37.57	-13	Pass
3449.01	3450.01	0.2	0	3	3449.771	-38.13	-13	Pass
3450.01	3490.01	0.2	0	4	3490.010	-43.11	-13	Pass

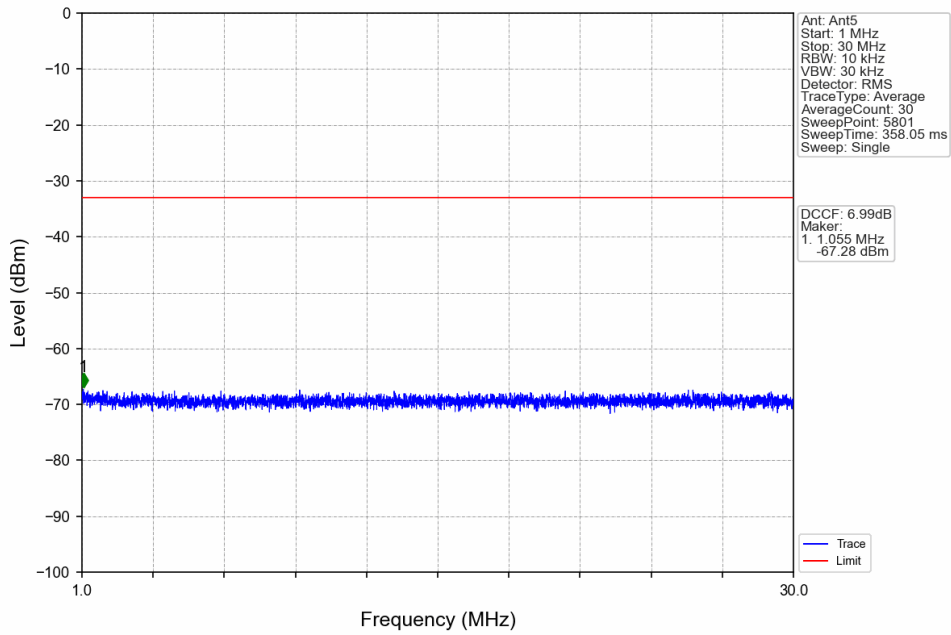
n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3470.01MHz\_Inner\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left



n78e\_30kHz\_SISO\_NTNV\_40MHz\_CP-OFDM\_QPSK\_3500.01MHz\_Edge\_1RB\_Left

