1. Effective (Isotropic) Radiated Power Output Data

1.1 CA_38C_NTNV_EIRP(ANT41)

1.1.1 Test Result

Band: CA_38C / NTNV										
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm)			Gain (dBi)	EIRP (dBm)		Verdict
				CC1	CC2	Sum		Result	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 0@0	24.15	-27.62	24.14	-0.83	23.31	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	9.98	9.92	12.96	-0.83	12.13	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	18.43	18.60	21.53	-0.83	20.70	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	20.88	20.94	23.92	-0.83	23.09	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	19.40	19.50	22.46	-0.83	21.63	<=33.01	Pass
		CC1:2587.5 CC2:2602.5	CC1: 1@0 CC2: 0@0	24.07	-27.59	24.06	-0.83	23.23	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	9.94	9.92	12.93	-0.83	12.10	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	18.87	18.35	21.63	-0.83	20.80	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	20.92	20.95	23.95	-0.83	23.12	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	19.43	19.52	22.49	-0.83	21.66	<=33.01	Pass
		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 0@0	24.24	-27.53	24.23	-0.83	23.40	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	9.89	9.88	12.89	-0.83	12.06	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	18.47	18.56	21.52	-0.83	20.69	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	20.90	20.90	23.91	-0.83	23.08	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	19.46	19.53	22.50	-0.83	21.67	<=33.01	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 0@0	23.13	-27.62	23.12	-0.83	22.29	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	10.06	9.99	13.03	-0.83	12.20	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	18.42	18.61	21.52	-0.83	20.69	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	19.90	19.96	22.94	-0.83	22.11	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.88	19.01	21.96	-0.83	21.13	<=33.01	Pass
		CC1:2587.5 CC2:2602.5	CC1: 1@0 CC2: 0@0	23.18	-27.58	23.17	-0.83	22.34	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	10.03	10.04	13.04	-0.83	12.21	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	18.46	18.60	21.54	-0.83	20.71	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	19.94	19.96	22.96	-0.83	22.13	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.92	19.00	21.97	-0.83	21.14	<=33.01	Pass

		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 0@0	23.16	-27.55	23.14	-0.83	22.31	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	9.88	9.78	12.84	-0.83	12.01	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	18.50	18.61	21.56	-0.83	20.73	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	19.95	19.95	22.96	-0.83	22.13	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.97	19.03	22.01	-0.83	21.18	<=33.01	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 0@0	22.12	-27.63	22.11	-0.83	21.28	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	9.81	10.02	12.92	-0.83	12.09	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	18.45	18.61	21.54	-0.83	20.71	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	18.88	18.93	21.91	-0.83	21.08	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.87	19.04	21.97	-0.83	21.14	<=33.01	Pass
		CC1:2587.5 CC2:2602.5	CC1: 1@0 CC2: 0@0	22.16	-27.61	22.15	-0.83	21.32	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	9.99	10.03	13.01	-0.83	12.18	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	18.42	18.56	21.50	-0.83	20.67	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	18.94	18.95	21.95	-0.83	21.12	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.94	19.02	21.99	-0.83	21.16	<=33.01	Pass
		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 0@0	22.11	-27.57	22.10	-0.83	21.27	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	9.90	9.71	12.81	-0.83	11.98	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	18.46	18.55	21.51	-0.83	20.68	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	18.92	18.92	21.93	-0.83	21.10	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.98	19.00	22.00	-0.83	21.17	<=33.01	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 0@0	19.19	-27.51	19.18	-0.83	18.35	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	16.93	16.82	19.88	-0.83	19.05	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	16.41	16.61	19.52	-0.83	18.69	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	16.86	16.96	19.92	-0.83	19.09	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	16.92	17.02	19.98	-0.83	19.15	<=33.01	Pass
		CC1:2587.5 CC2:2602.5	CC1: 1@0 CC2: 0@0	19.24	-27.49	19.23	-0.83	18.40	<=33.01	Pass
			CC1: 1@74 CC2: 1@0	16.81	16.80	19.81	-0.83	18.98	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	16.66	16.37	19.53	-0.83	18.70	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	16.92	16.94	19.94	-0.83	19.11	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	16.94	17.01	19.99	-0.83	19.16	<=33.01	Pass
		CC1:2597.5	CC1: 1@0	19.13	-27.51	19.12	-0.83	18.29	<=33.01	Pass

		CC2:2612.5	CC2: 0@0							
			CC1: 1@74 CC2: 1@0	16.93	16.77	19.85	-0.83	19.02	<=33.01	Pass
			CC1: 36@0 CC2: 36@39	16.43	16.53	19.49	-0.83	18.66	<=33.01	Pass
			CC1: 36@39 CC2: 36@0	16.88	16.90	19.90	-0.83	19.07	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	16.94	16.96	19.96	-0.83	19.13	<=33.01	Pass
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 0@0	24.05	-26.40	24.06	-0.83	23.23	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	9.97	9.95	12.98	-0.83	12.15	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	19.36	19.54	22.46	-0.83	21.63	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	19.38	19.43	22.42	-0.83	21.59	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	19.41	19.56	22.49	-0.83	21.66	<=33.01	Pass
		CC1:2585.1 CC2:2604.9	CC1: 1@0 CC2: 0@0	24.10	-26.38	24.10	-0.83	23.27	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	9.95	9.96	12.97	-0.83	12.14	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	19.74	19.40	22.59	-0.83	21.76	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	19.47	19.51	22.50	-0.83	21.67	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	19.41	19.53	22.48	-0.83	21.65	<=33.01	Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 0@0	24.03	-26.34	24.03	-0.83	23.20	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	9.98	9.93	12.97	-0.83	12.14	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	19.45	19.60	22.54	-0.83	21.71	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	19.40	19.45	22.44	-0.83	21.61	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	19.45	19.55	22.51	-0.83	21.68	<=33.01	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 0@0	23.16	-26.39	23.17	-0.83	22.34	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	10.02	9.94	12.99	-0.83	12.16	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	18.38	18.58	21.49	-0.83	20.66	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	19.93	19.98	22.97	-0.83	22.14	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.90	19.02	21.97	-0.83	21.14	<=33.01	Pass
		CC1:2585.1 CC2:2604.9	CC1: 1@0 CC2: 0@0	23.05	-26.37	23.05	-0.83	22.22	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	9.76	9.99	12.89	-0.83	12.06	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	18.71	18.37	21.56	-0.83	20.73	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	19.99	20.04	23.03	-0.83	22.20	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.96	19.06	22.02	-0.83	21.19	<=33.01	Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 0@0	23.26	-26.34	23.26	-0.83	22.43	<=33.01	Pass

			CC1: 1@99 CC2: 1@0	10.08	9.99	13.05	-0.83	12.22	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	18.47	18.65	21.57	-0.83	20.74	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	19.97	19.97	22.98	-0.83	22.15	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.95	19.04	22.01	-0.83	21.18	<=33.01	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 0@0	22.05	-26.39	22.06	-0.83	21.23	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	9.91	10.04	12.99	-0.83	12.16	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	18.44	18.63	21.55	-0.83	20.72	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	18.94	19.00	21.98	-0.83	21.15	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.95	19.07	22.02	-0.83	21.19	<=33.01	Pass
		CC1:2585.1 CC2:2604.9	CC1: 1@0 CC2: 0@0	22.20	-26.36	22.20	-0.83	21.37	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	9.98	9.90	12.96	-0.83	12.13	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	18.41	18.59	21.51	-0.83	20.68	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	18.96	19.02	22.00	-0.83	21.17	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.95	19.06	22.02	-0.83	21.19	<=33.01	Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 0@0	22.10	-26.36	22.10	-0.83	21.27	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	9.99	9.94	12.98	-0.83	12.15	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	18.45	18.59	21.53	-0.83	20.70	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	18.95	18.98	21.98	-0.83	21.15	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.98	19.07	22.04	-0.83	21.21	<=33.01	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 0@0	19.15	-26.27	19.15	-0.83	18.32	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	16.92	16.78	19.87	-0.83	19.04	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	16.47	16.66	19.58	-0.83	18.75	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	16.92	17.00	19.97	-0.83	19.14	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	16.93	17.07	20.01	-0.83	19.18	<=33.01	Pass
		CC1:2585.1 CC2:2604.9	CC1: 1@0 CC2: 0@0	19.14	-26.24	19.14	-0.83	18.31	<=33.01	Pass
			CC1: 1@99 CC2: 1@0	16.92	16.88	19.91	-0.83	19.08	<=33.01	Pass
			CC1: 50@0 CC2: 50@50	16.45	16.61	19.54	-0.83	18.71	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	16.95	16.96	19.97	-0.83	19.14	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	16.91	17.03	19.98	-0.83	19.15	<=33.01	Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 0@0	19.19	-26.25	19.20	-0.83	18.37	<=33.01	Pass
			CC1: 1@99	16.84	16.73	19.80	-0.83	18.97	<=33.01	Pass

			CC2: 1@0							
			CC1: 50@0 CC2: 50@50	16.46	16.60	19.54	-0.83	18.71	<=33.01	Pass
			CC1: 50@50 CC2: 50@0	16.92	16.98	19.96	-0.83	19.13	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	16.94	17.05	20.01	-0.83	19.18	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain										

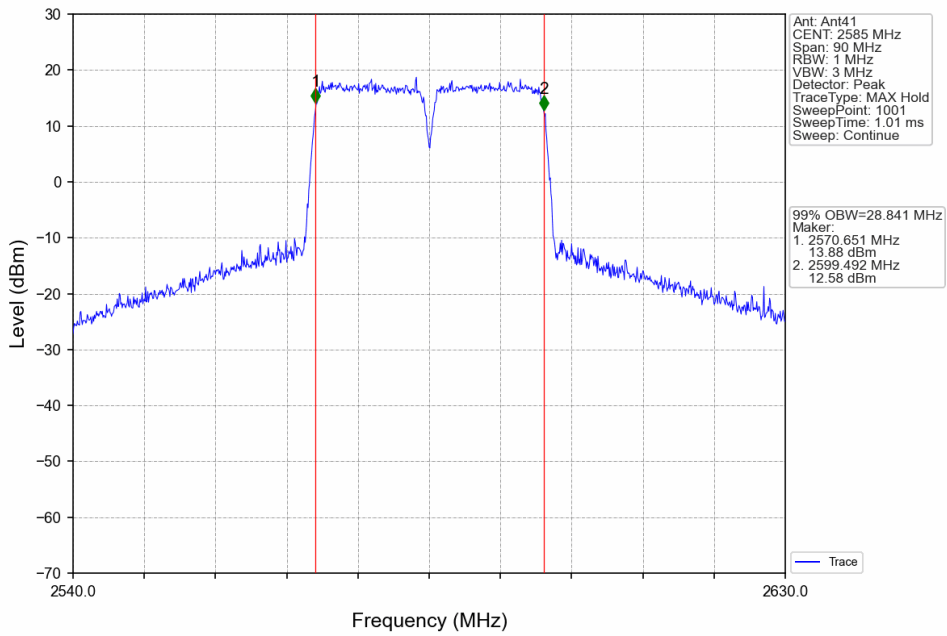
2. 99% & 26dB Bandwidth

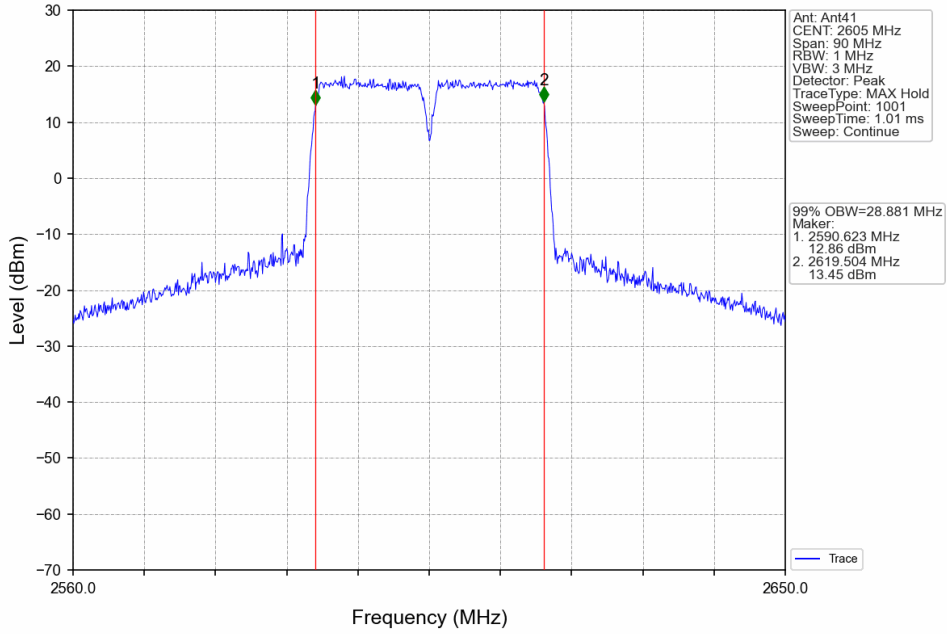
2.1 CA_38C_NTNV_OBW

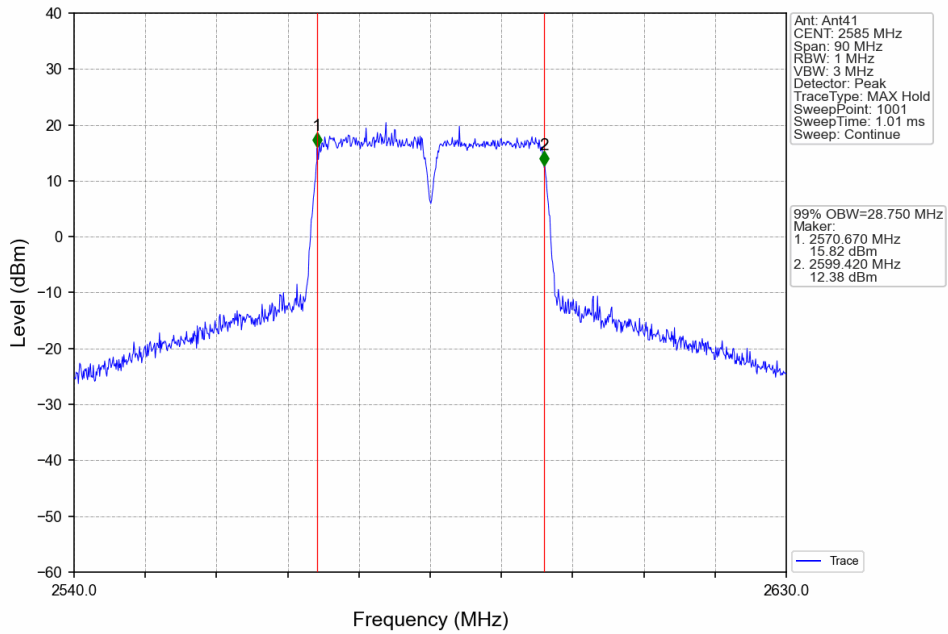
2.1.1 Test Result

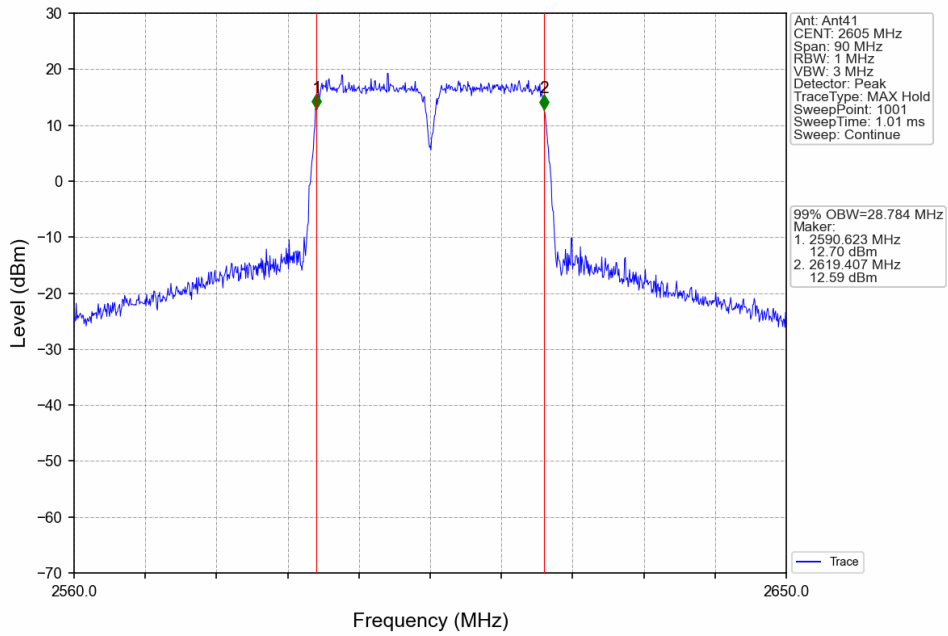
Band: CA_38C / NTNV						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	99% Occupied Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	28.84	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	28.88	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	28.75	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	28.78	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	28.79	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	28.78	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	28.77	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	28.74	/	Pass
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	37.92	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	37.93	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	37.85	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	38.00	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	37.95	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	37.92	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	37.88	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	37.91	/	Pass

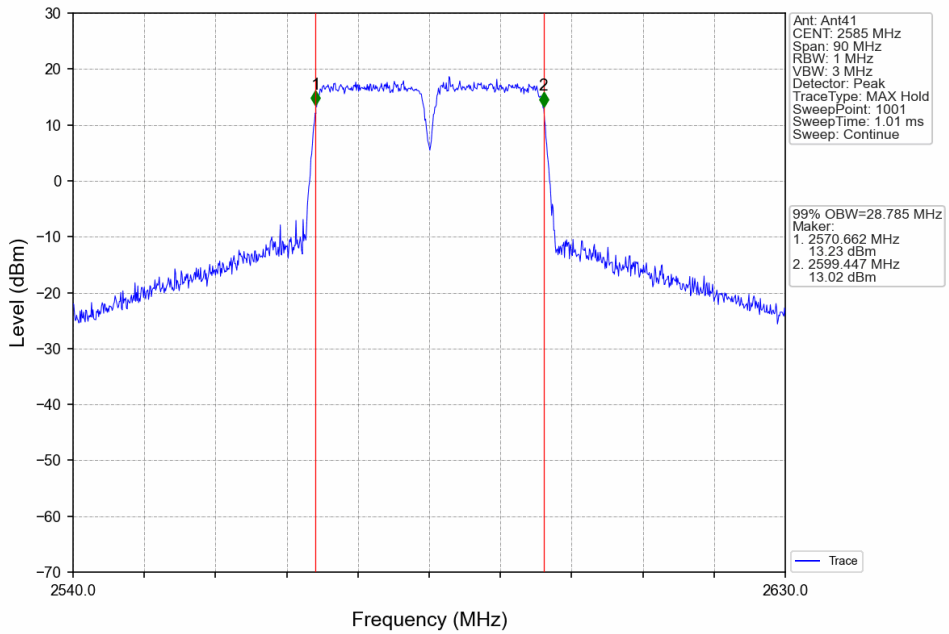
2.1.2 Test Graph

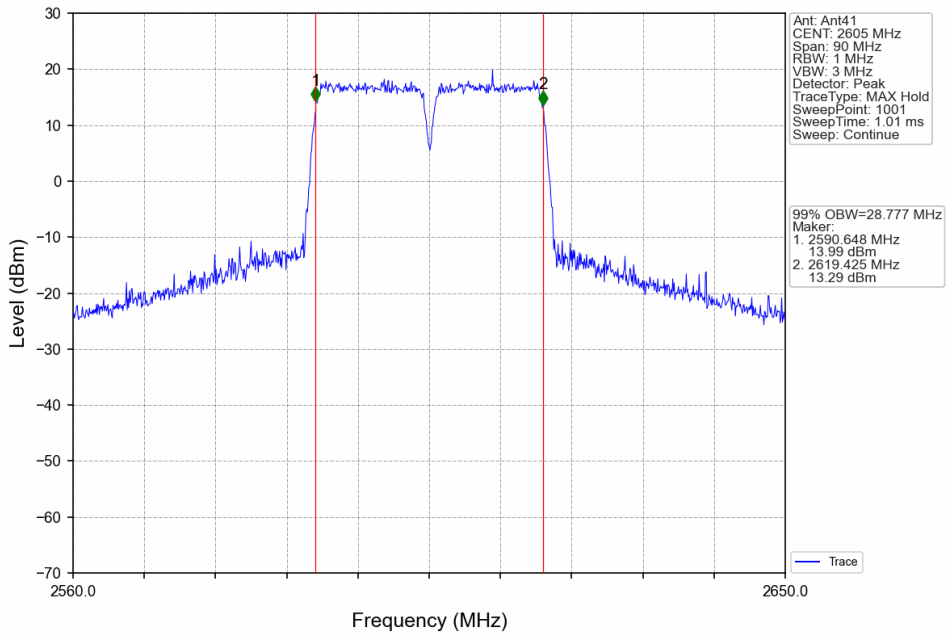


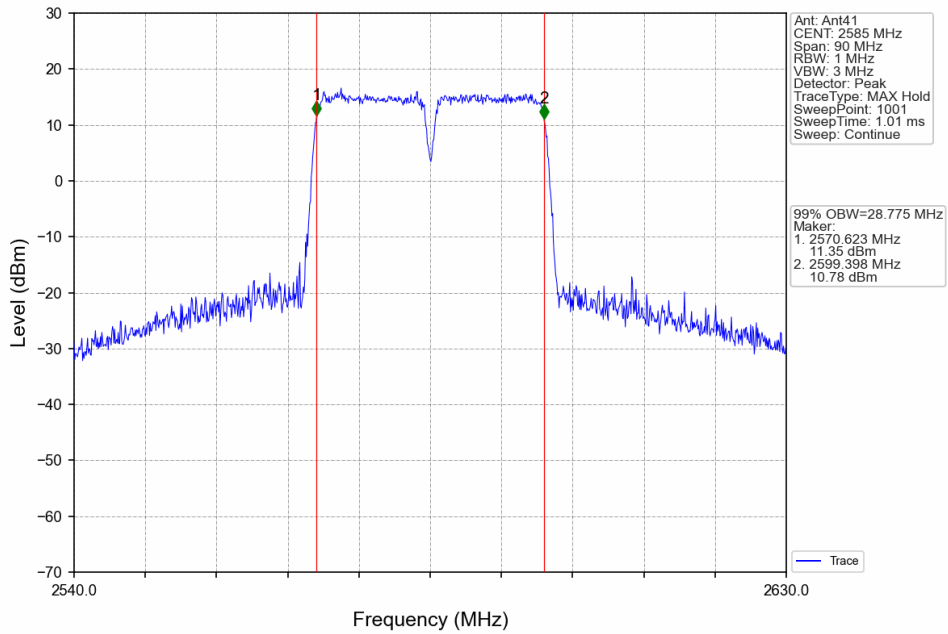


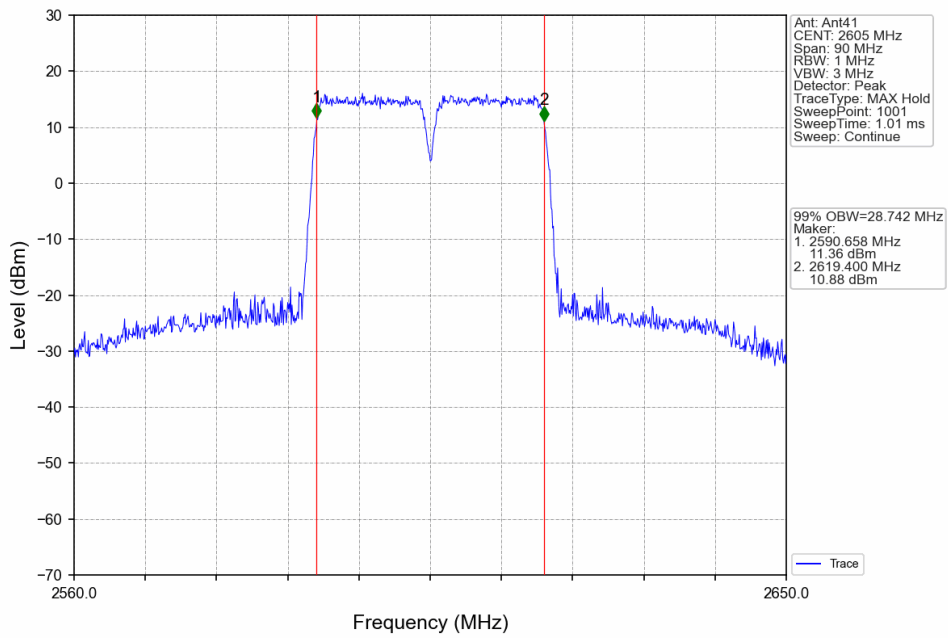

Ant: Ant41
CENT: 2585 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=28.750 MHz
Maker:
1. 2570.670 MHz
15.82 dBm
2. 2599.420 MHz
12.38 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.0
2630.0

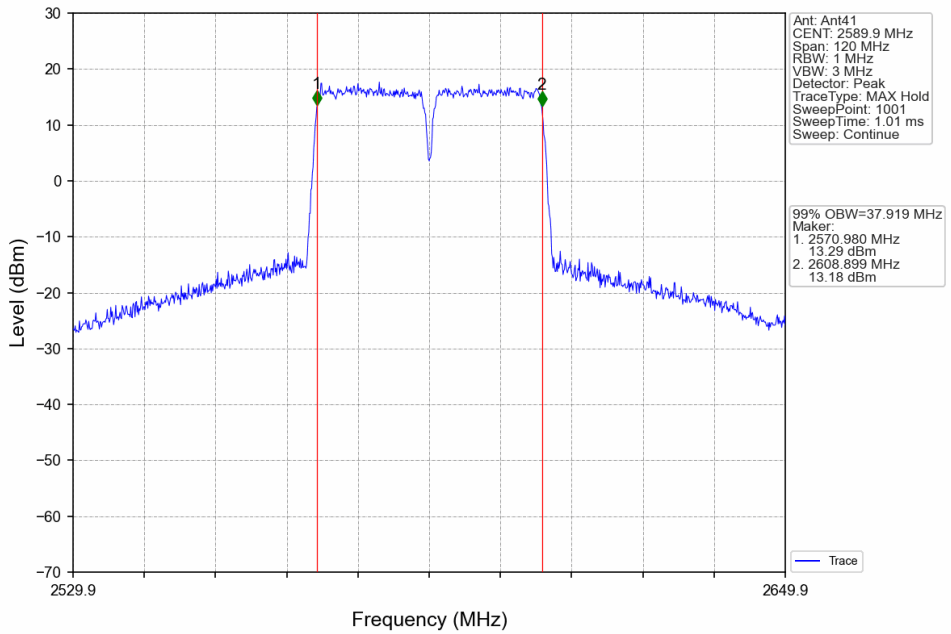

Ant: Ant41
CENT: 2605 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=28.784 MHz
Maker:
1. 2590.623 MHz
12.70 dBm
2. 2619.407 MHz
12.59 dBm
Trace
Level (dBm)
Frequency (MHz)
2560.0
2650.0

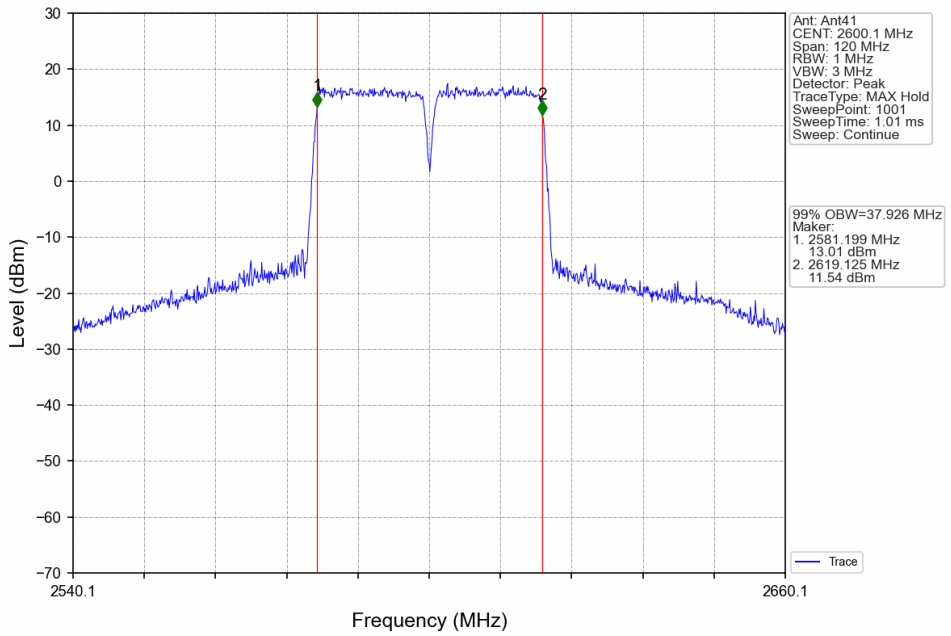

Ant: Ant41
CENT: 2585 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=28.785 MHz
Maker:
1. 2570.662 MHz
13.23 dBm
2. 2599.447 MHz
13.02 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.0
2630.0

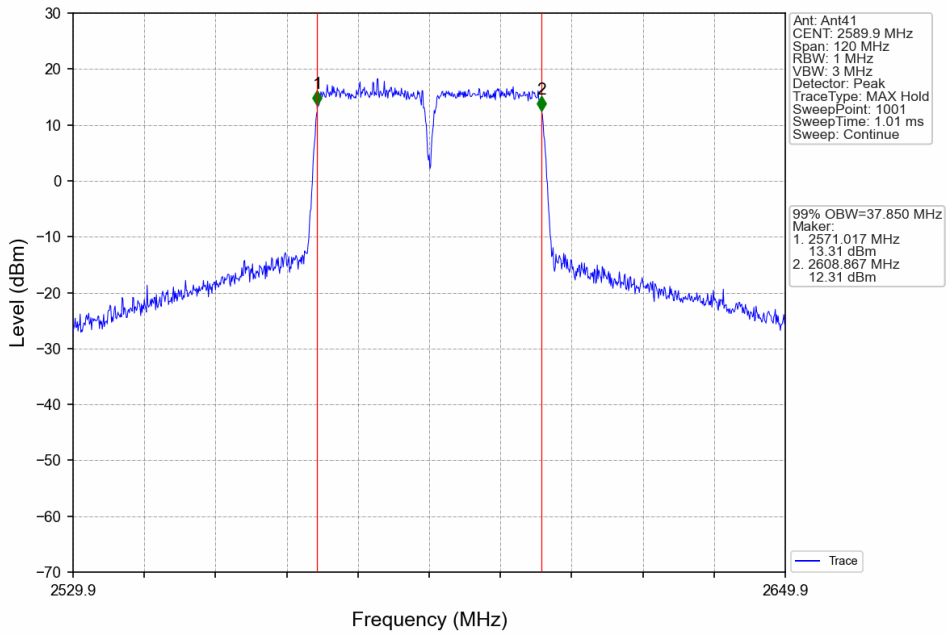

Ant: Ant41
CENT: 2605 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=28.777 MHz
Maker:
1. 2590.648 MHz
13.99 dBm
2. 2619.425 MHz
13.29 dBm
Trace
Level (dBm)
Frequency (MHz)
2560.0
2650.0

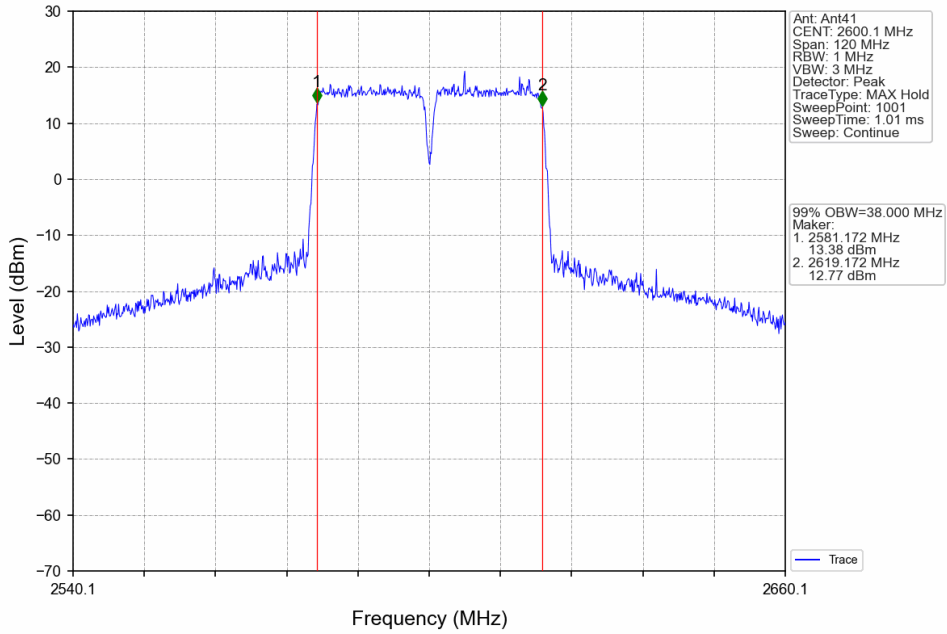

Ant: Ant41
CENT: 2585 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=28.775 MHz
Maker:
1. 2570.623 MHz
11.35 dBm
2. 2599.398 MHz
10.78 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.0
2630.0

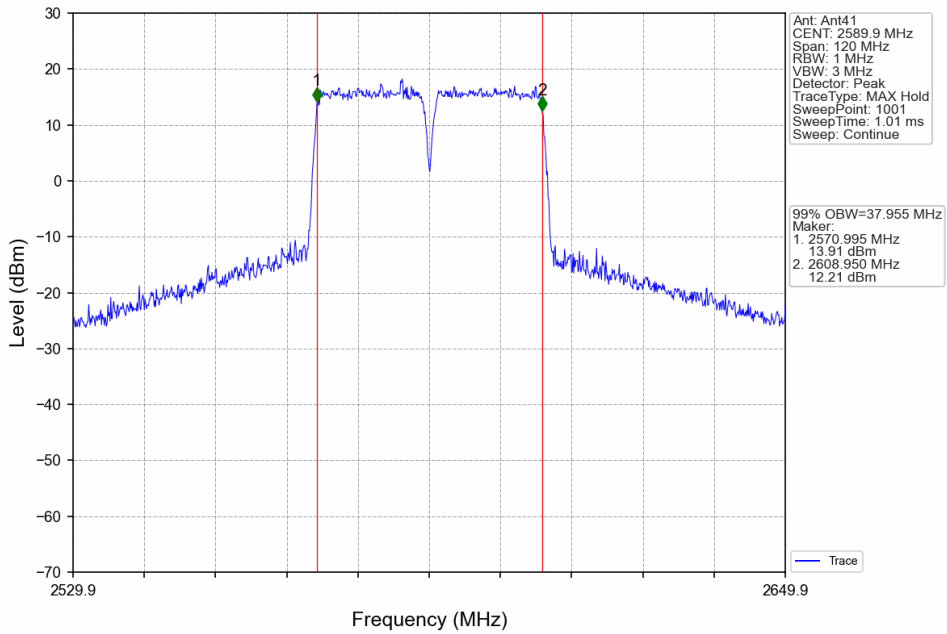

Ant: Ant41
CENT: 2605 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=28.742 MHz
Maker:
1. 2590.658 MHz
11.36 dBm
2. 2619.400 MHz
10.88 dBm
Trace
Level (dBm)
Frequency (MHz)
2560.0
2650.0

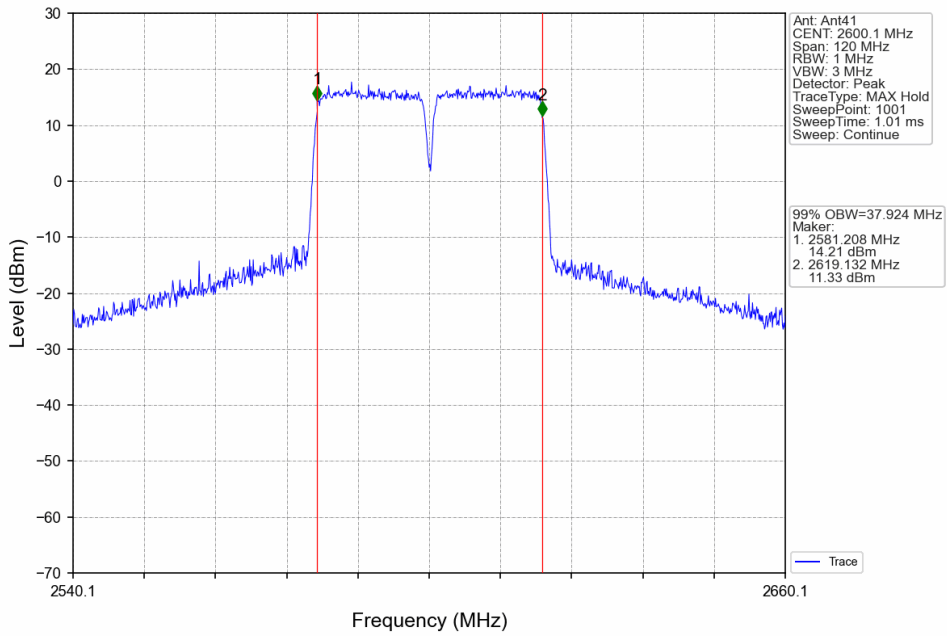

Ant: Ant41
CENT: 2589.9 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=37.919 MHz
Maker:
1. 2570.980 MHz
13.29 dBm
2. 2608.899 MHz
13.18 dBm
Trace
Level (dBm)
Frequency (MHz)
2529.9
2649.9

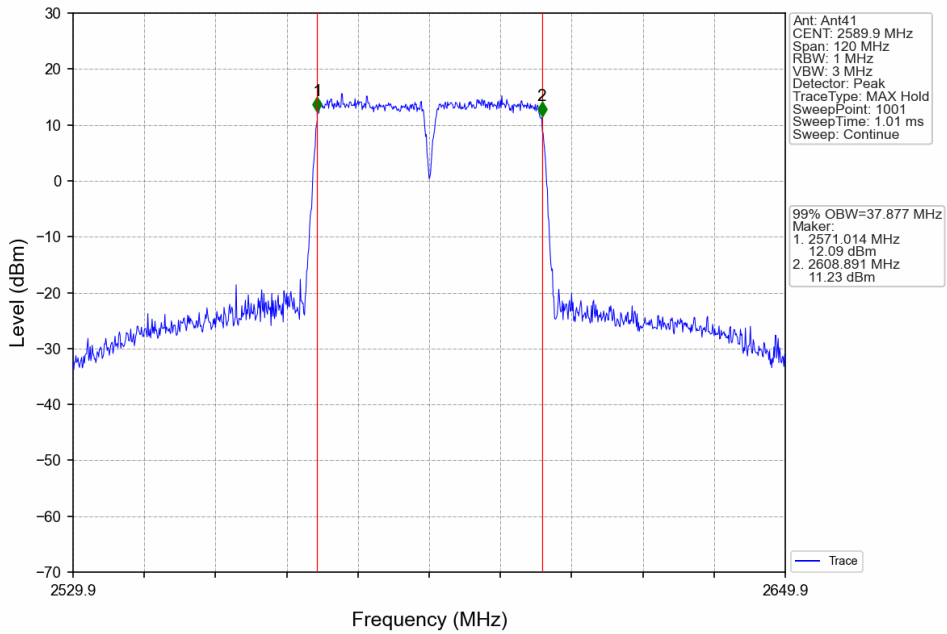

Ant: Ant41
CENT: 2600.1 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=37.926 MHz
Maker:
1. 2581.199 MHz
13.01 dBm
2. 2619.125 MHz
11.54 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.1
2660.1

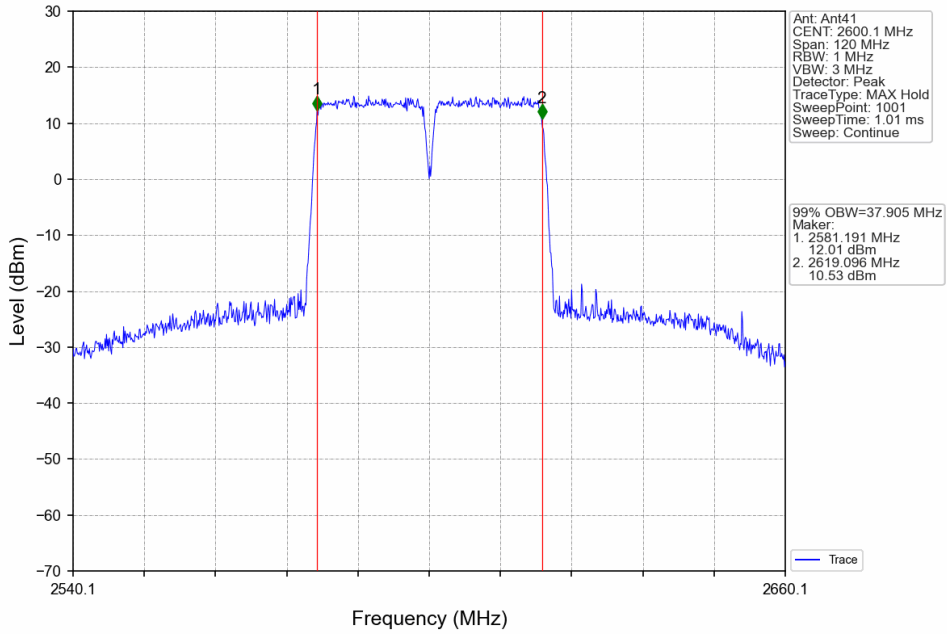

Ant: Ant41
CENT: 2589.9 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=37.850 MHz
Maker:
1. 2571.017 MHz
13.31 dBm
2. 2608.867 MHz
12.31 dBm
Trace
Level (dBm)
Frequency (MHz)
2529.9
2649.9


Ant: Ant41
CENT: 2600.1 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=38.000 MHz
Maker:
1. 2581.172 MHz
13.38 dBm
2. 2619.172 MHz
12.77 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.1
2660.1


Ant: Ant41
CENT: 2589.9 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=37.955 MHz
Maker:
1. 2570.995 MHz
13.91 dBm
2. 2608.950 MHz
12.21 dBm
Trace
Level (dBm)
Frequency (MHz)
2529.9
2649.9


Ant: Ant41
CENT: 2600.1 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=37.924 MHz
Maker:
1. 2581.208 MHz
14.21 dBm
2. 2619.132 MHz
11.33 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.1
2660.1


Ant: Ant41
CENT: 2589.9 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=37.877 MHz
Maker:
1. 2571.014 MHz
12.09 dBm
2. 2608.891 MHz
11.23 dBm
Trace
Level (dBm)
Frequency (MHz)
2529.9
2649.9

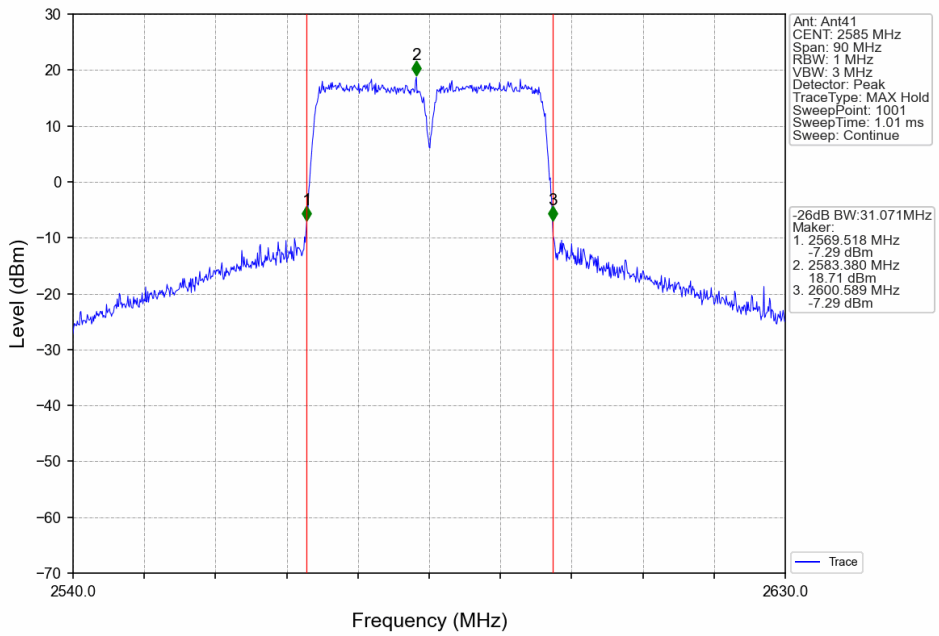

Ant: Ant41
CENT: 2600.1 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
99% OBW=37.905 MHz
Maker:
1. 2581.191 MHz
12.01 dBm
2. 2619.096 MHz
10.53 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.1
2660.1

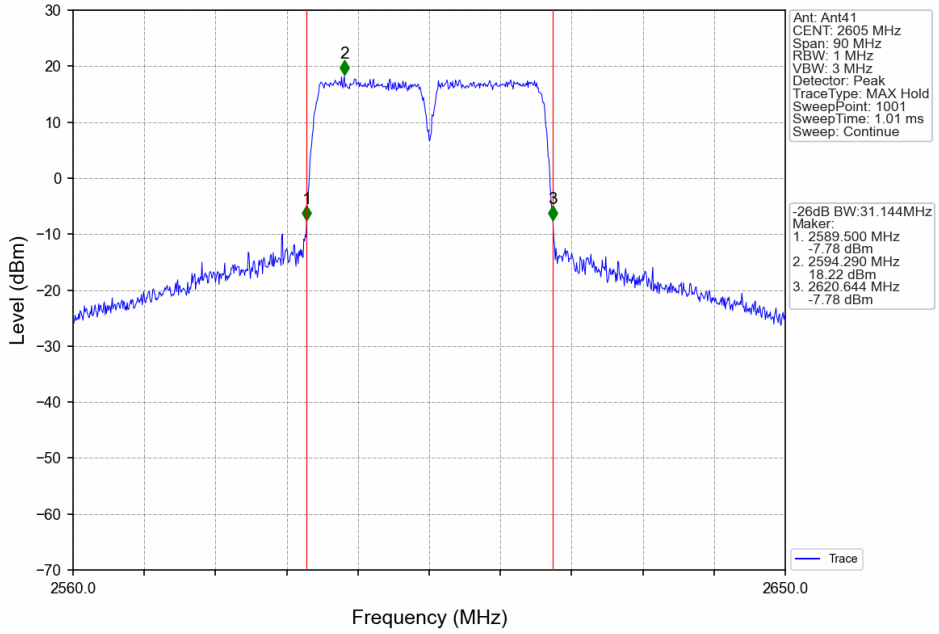
2.2 CA_38C_NTNV_XDB

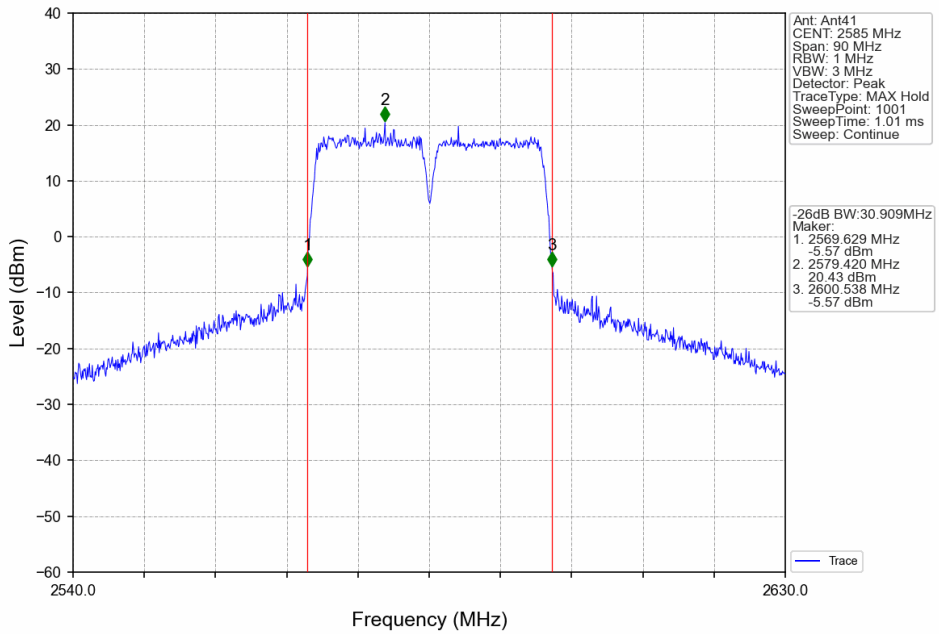
2.2.1 Test Result

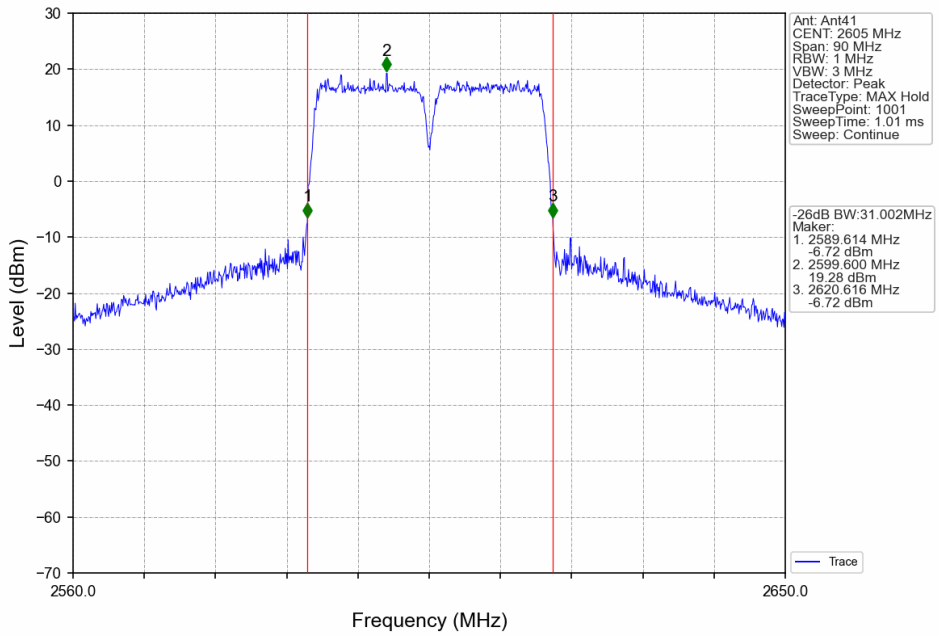
Band: CA_38C / NTNV						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	26dB Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	31.07	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	31.14	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	30.91	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	31.00	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	32.56	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	31.19	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	30.98	/	Pass
		CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	31.17	/	Pass
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	40.76	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	40.72	/	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	40.46	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	40.37	/	Pass
	CC1: 64QAM CC2: 64QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	40.40	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	40.49	/	Pass
	CC1: 256QAM CC2: 256QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	40.51	/	Pass
		CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	40.55	/	Pass

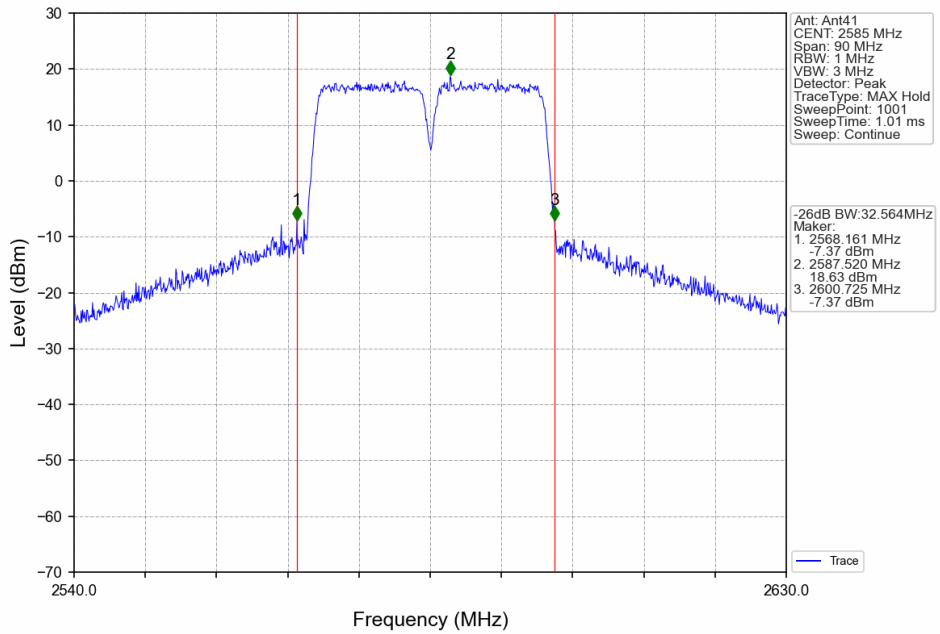
2.2.2 Test Graph

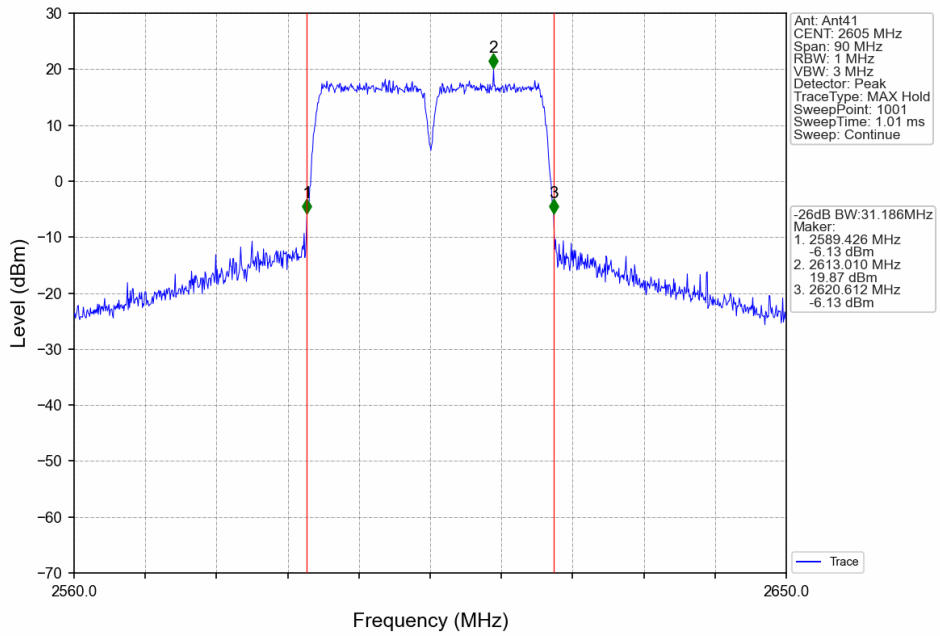


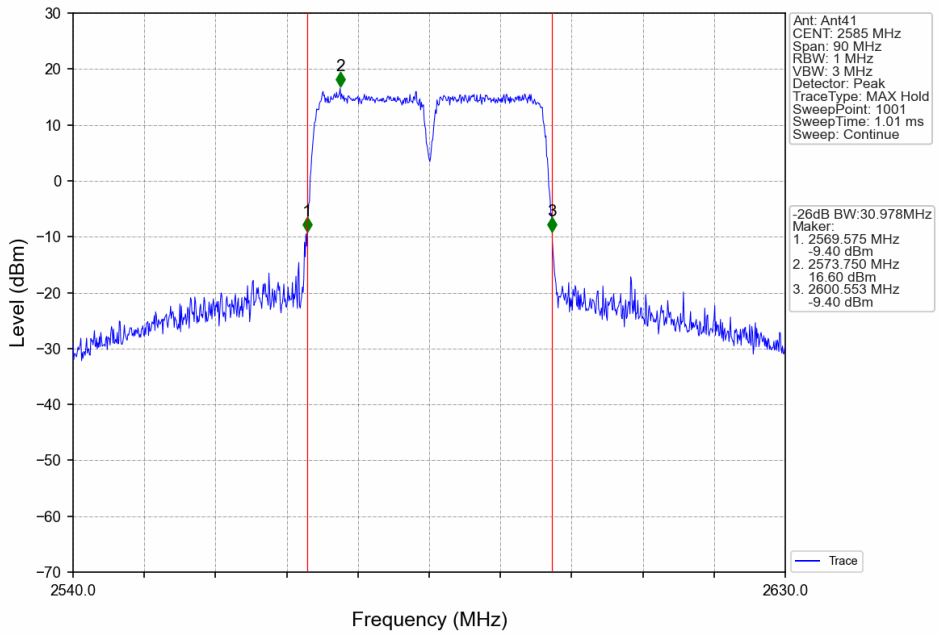


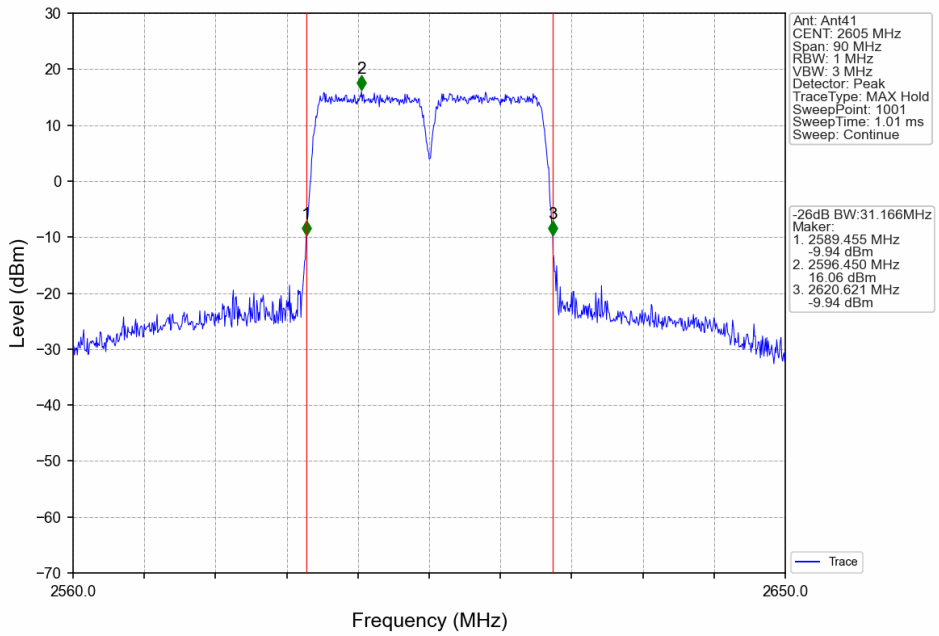

Ant: Ant41
CENT: 2585 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:30.909MHz
Maker:
1. 2569.629 MHz
-5.57 dBm
2. 2579.420 MHz
20.43 dBm
3. 2600.538 MHz
-5.57 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.0
2630.0

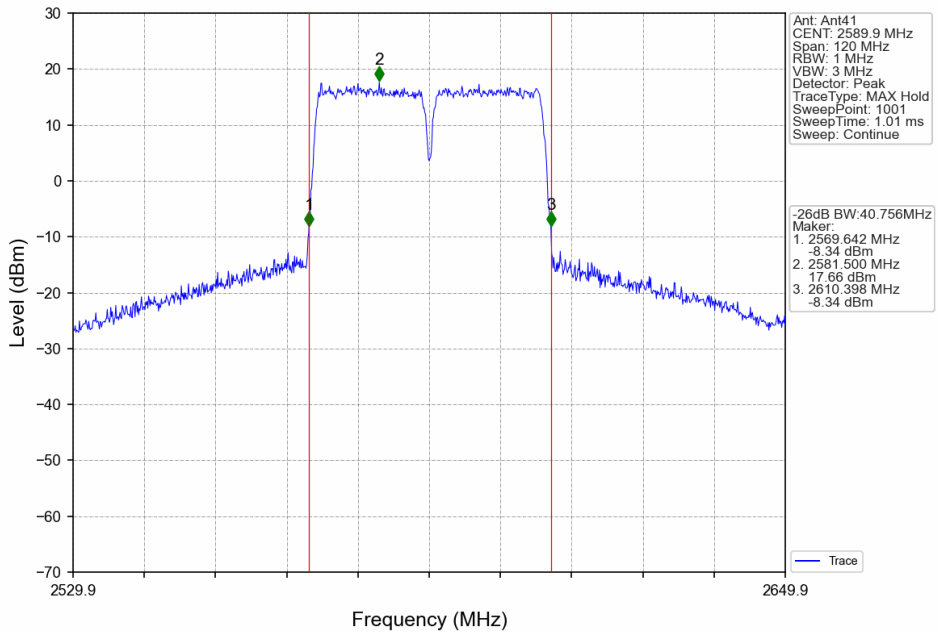

Ant: Ant41
CENT: 2605 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:31.002MHz
Maker:
1. 2589.614 MHz
-6.72 dBm
2. 2599.600 MHz
19.28 dBm
3. 2620.616 MHz
-6.72 dBm
Trace
Level (dBm)
Frequency (MHz)
2560.0
2650.0

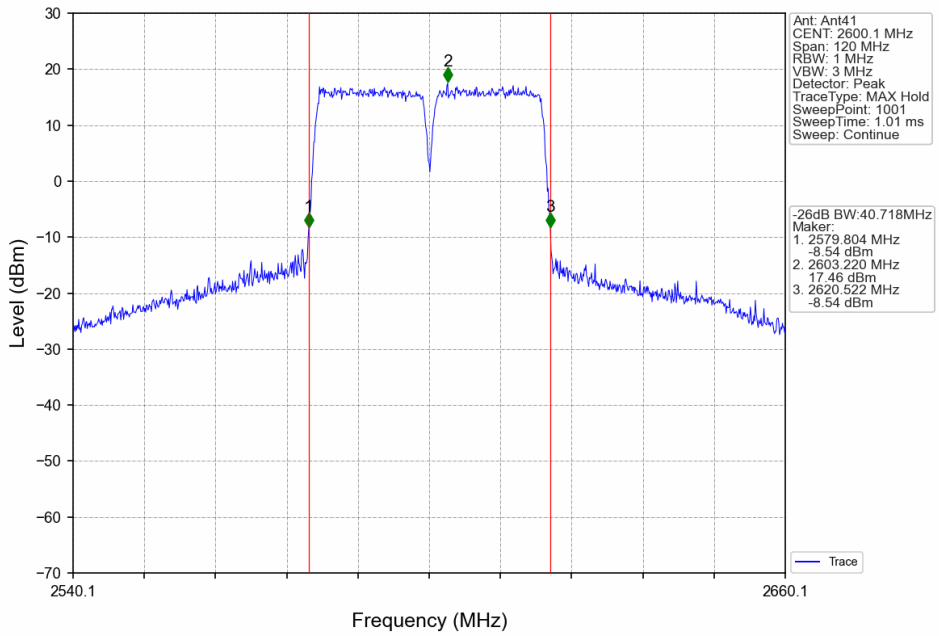

Ant: Ant41
CENT: 2585 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:32.564MHz
Maker:
1. 2568.161 MHz
-7.37 dBm
2. 2587.520 MHz
18.63 dBm
3. 2600.725 MHz
-7.37 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.0
2630.0

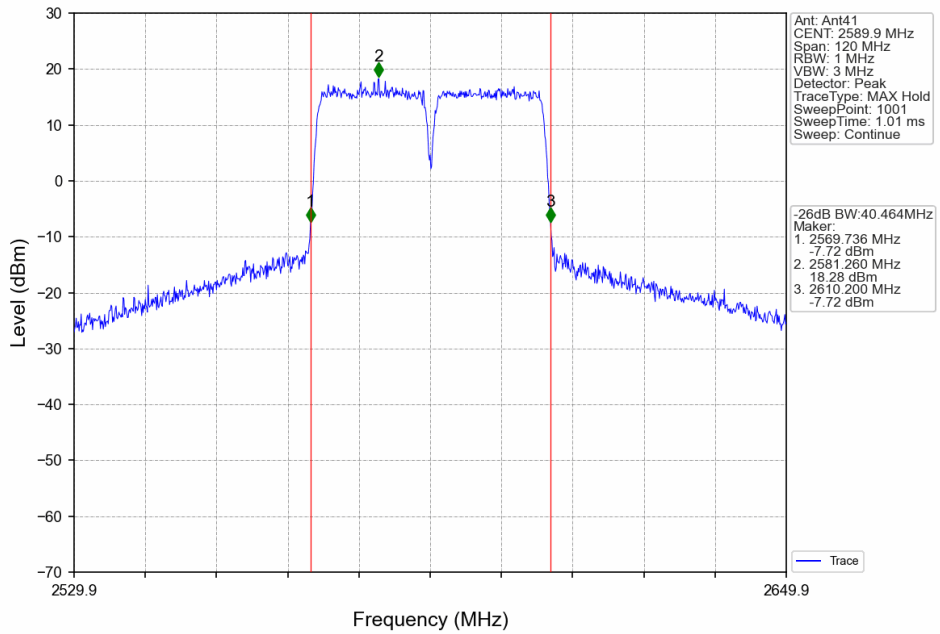

Ant: Ant41
CENT: 2605 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:31.186MHz
Maker:
1. 2589.426 MHz
-6.13 dBm
2. 2613.010 MHz
19.87 dBm
3. 2620.612 MHz
-6.13 dBm
Trace
Level (dBm)
Frequency (MHz)
2560.0
2650.0

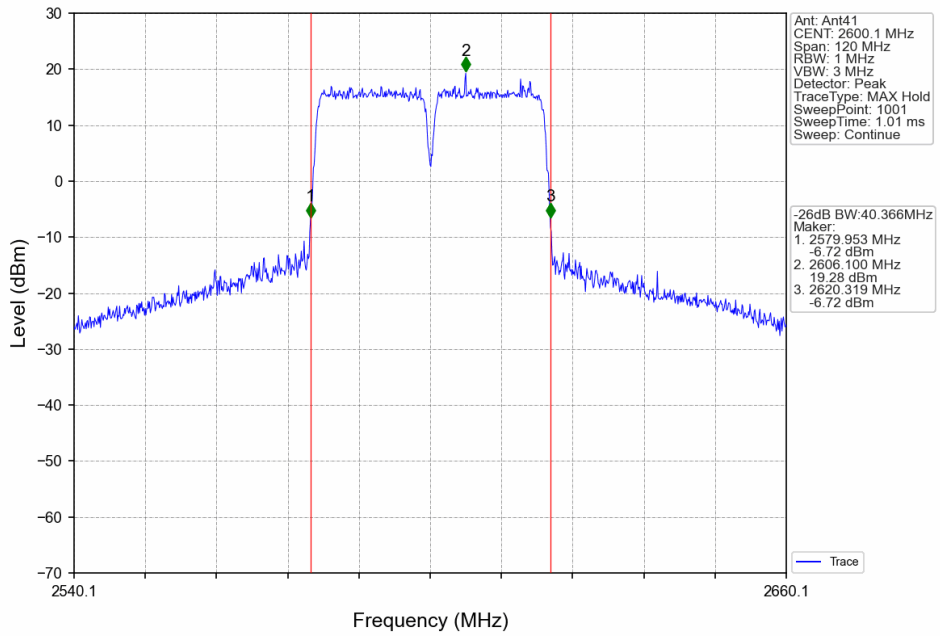

Ant: Ant41
CENT: 2585 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:30.978MHz
Maker:
1. 2569.575 MHz
-9.40 dBm
2. 2573.750 MHz
16.60 dBm
3. 2600.553 MHz
-9.40 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.0
2630.0

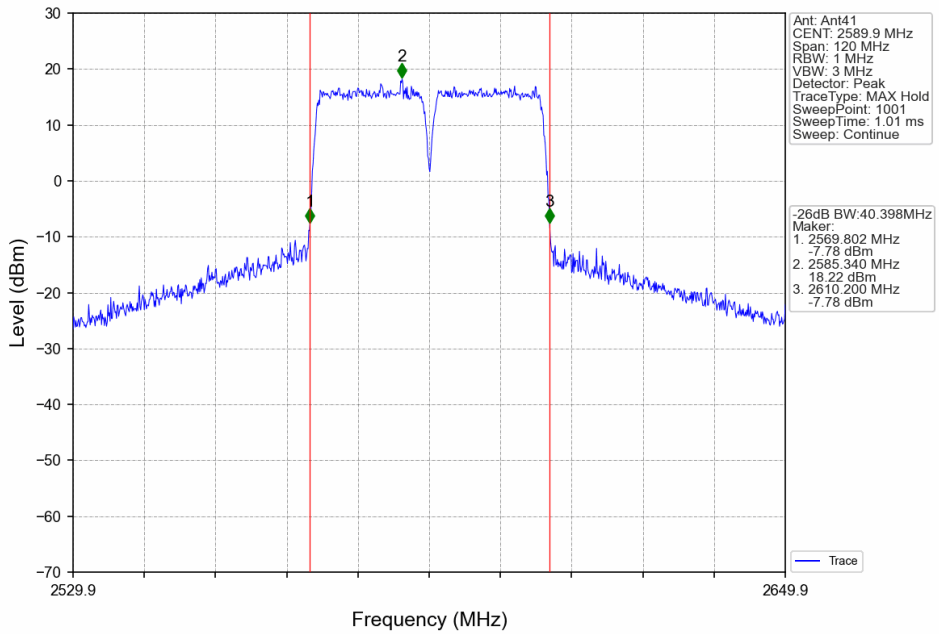

Ant: Ant41
CENT: 2605 MHz
Span: 90 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:31.166MHz
Maker:
1. 2589.455 MHz
-9.94 dBm
2. 2596.450 MHz
16.06 dBm
3. 2620.621 MHz
-9.94 dBm
Trace
Level (dBm)
Frequency (MHz)
2560.0
2650.0

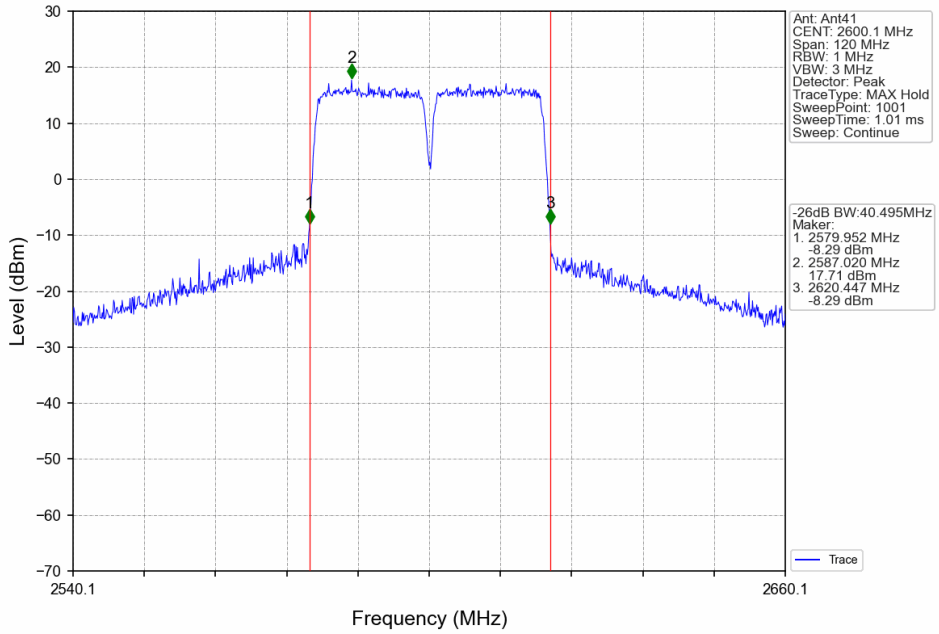

Ant: Ant41
CENT: 2589.9 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:40.756MHz
Maker:
1. 2569.642 MHz
-8.34 dBm
2. 2581.500 MHz
17.66 dBm
3. 2610.398 MHz
-8.34 dBm
Trace
Level (dBm)
Frequency (MHz)
2529.9
2649.9

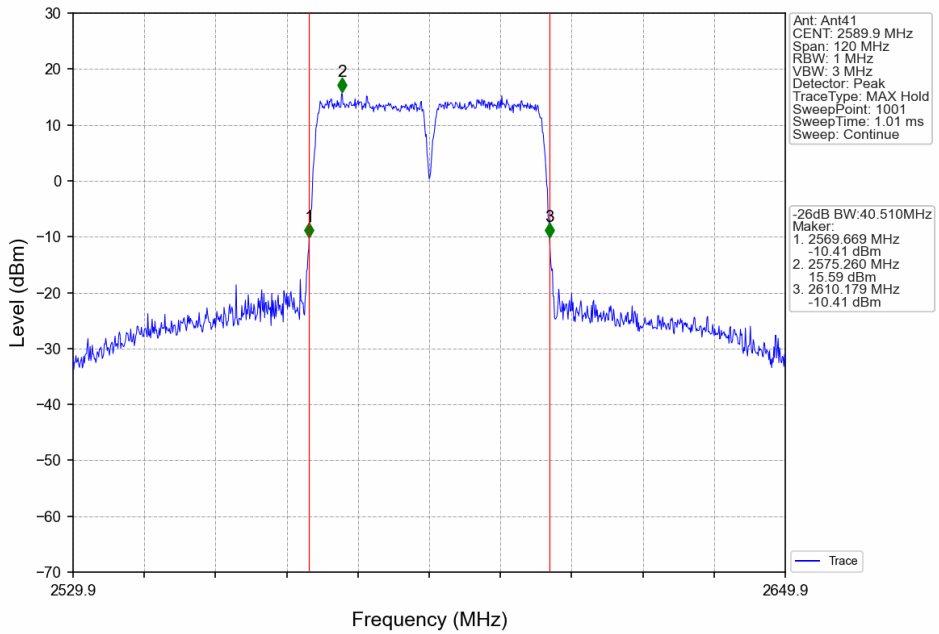

Ant: Ant41
CENT: 2600.1 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:40.718MHz
Maker:
1. 2579.804 MHz
-8.54 dBm
2. 2603.220 MHz
17.46 dBm
3. 2620.522 MHz
-8.54 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.1
2660.1

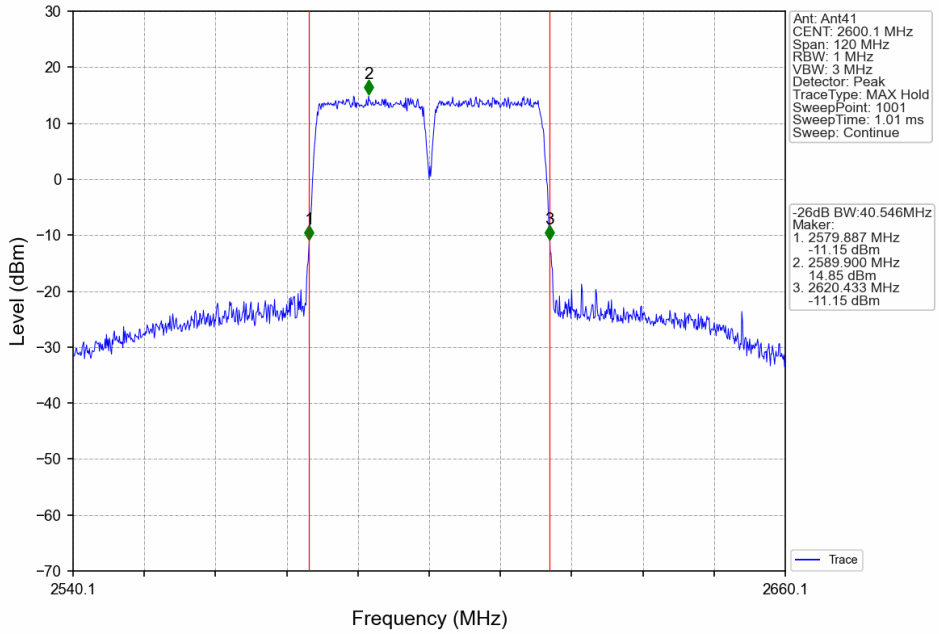

Ant: Ant41
CENT: 2589.9 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:40.464MHz
Maker:
1. 2569.736 MHz
-7.72 dBm
2. 2581.260 MHz
18.28 dBm
3. 2610.200 MHz
-7.72 dBm
Trace
Level (dBm)
Frequency (MHz)
2529.9
2649.9


Ant: Ant41
CENT: 2600.1 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:40.366MHz
Maker:
1. 2579.953 MHz
-6.72 dBm
2. 2606.100 MHz
19.28 dBm
3. 2620.319 MHz
-6.72 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.1
2660.1


Ant: Ant41
CENT: 2589.9 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:40.398MHz
Maker:
1. 2569.802 MHz
-7.78 dBm
2. 2585.340 MHz
18.22 dBm
3. 2610.200 MHz
-7.78 dBm
Trace
Level (dBm)
Frequency (MHz)
2529.9
2649.9


Ant: Ant41
CENT: 2600.1 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:40.495MHz
Maker:
1. 2579.952 MHz
-8.29 dBm
2. 2587.020 MHz
17.71 dBm
3. 2620.447 MHz
-8.29 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.1
2660.1


Ant: Ant41
CENT: 2589.9 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:40.510MHz
Maker:
1. 2569.669 MHz
-10.41 dBm
2. 2575.260 MHz
15.59 dBm
3. 2610.179 MHz
-10.41 dBm
Trace
Level (dBm)
Frequency (MHz)
2529.9
2649.9


Ant: Ant41
CENT: 2600.1 MHz
Span: 120 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 1.01 ms
Sweep: Continue
-26dB BW:40.546MHz
Maker:
1. 2579.887 MHz
-11.15 dBm
2. 2589.900 MHz
14.85 dBm
3. 2620.433 MHz
-11.15 dBm
Trace
Level (dBm)
Frequency (MHz)
2540.1
2660.1

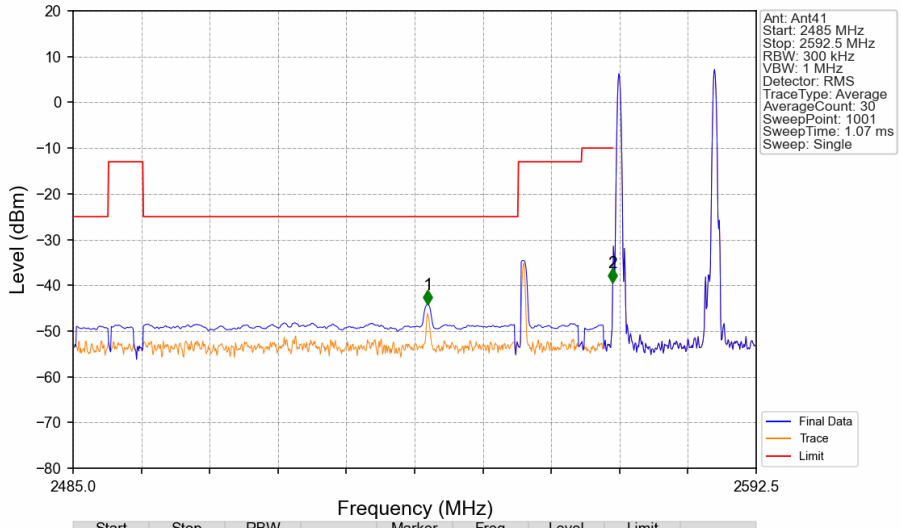
3. Spurious Emission & Band Edges

3.1 CA_38C_NTNV

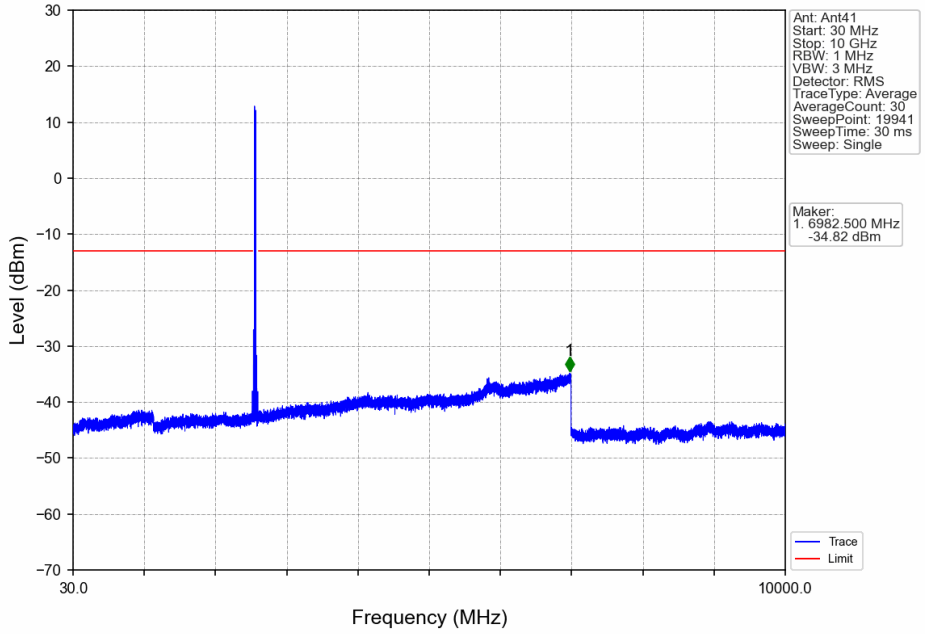
3.1.1 Test Result

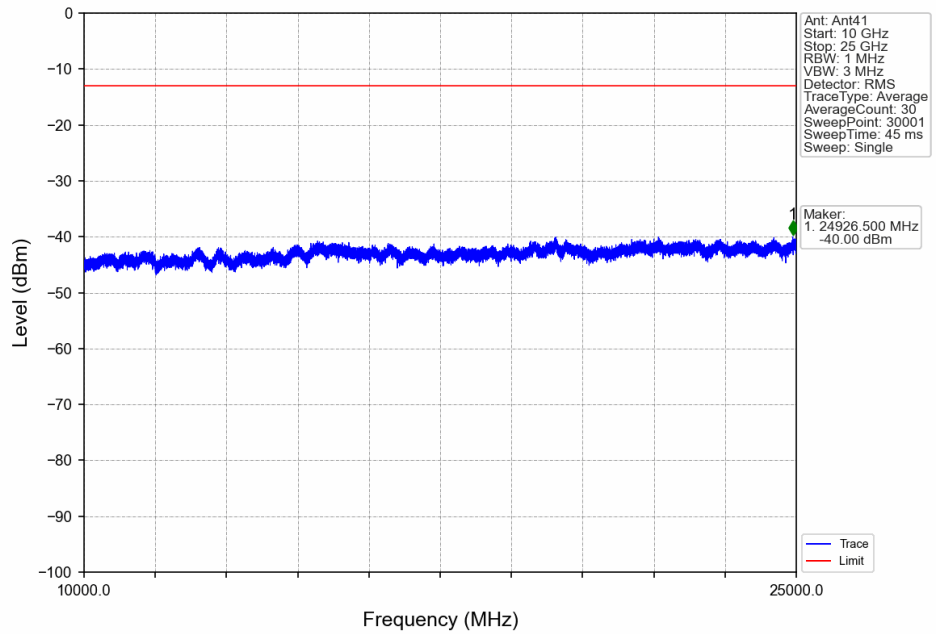
Band: CA_38C / NTNV								
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
				CC1	CC2	Sum	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 75@0 CC2: 75@0	Refer To Test Graph				Pass
		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 1@74 CC2: 1@74	Refer To Test Graph				Pass
			CC1: 75@0 CC2: 75@0	Refer To Test Graph				Pass
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 100@0 CC2: 100@0	Refer To Test Graph				Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 1@0	Refer To Test Graph				Pass
			CC1: 1@99 CC2: 1@99	Refer To Test Graph				Pass
			CC1: 100@0 CC2: 100@0	Refer To Test Graph				Pass

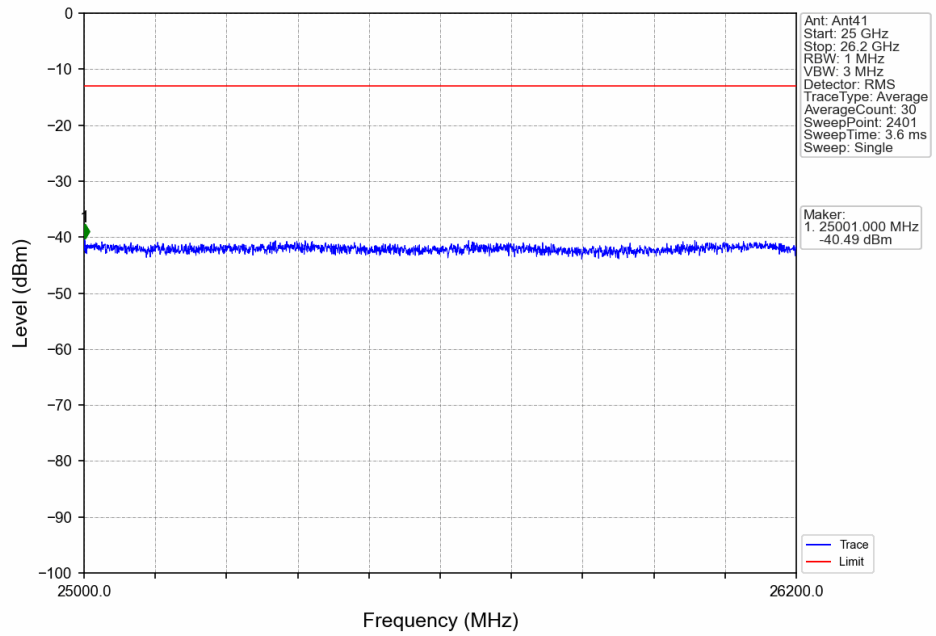
3.1.2 Test Graph

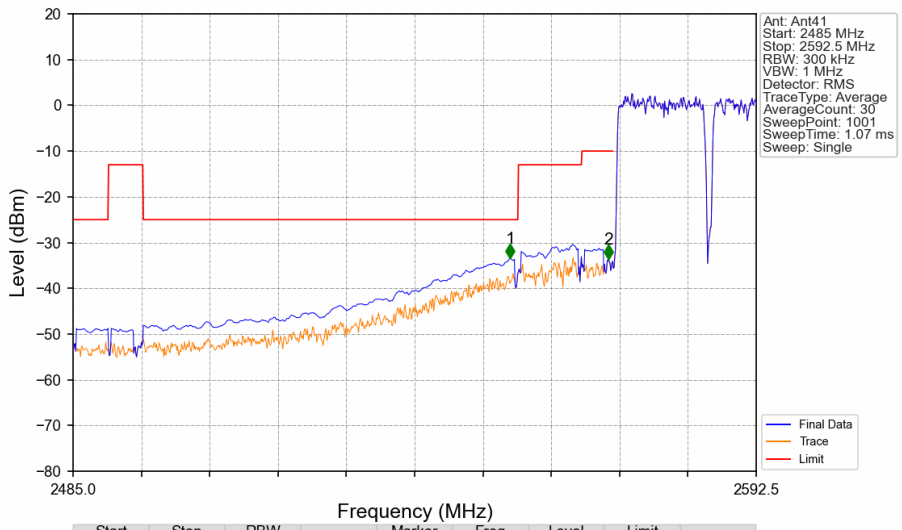


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2540.793	-44.24	-25	Pass
2569	2570	0.3	/	2	2569.925	-39.49	-10	Pass
2570	2592.5	0.3	/	/	/	/	/	/

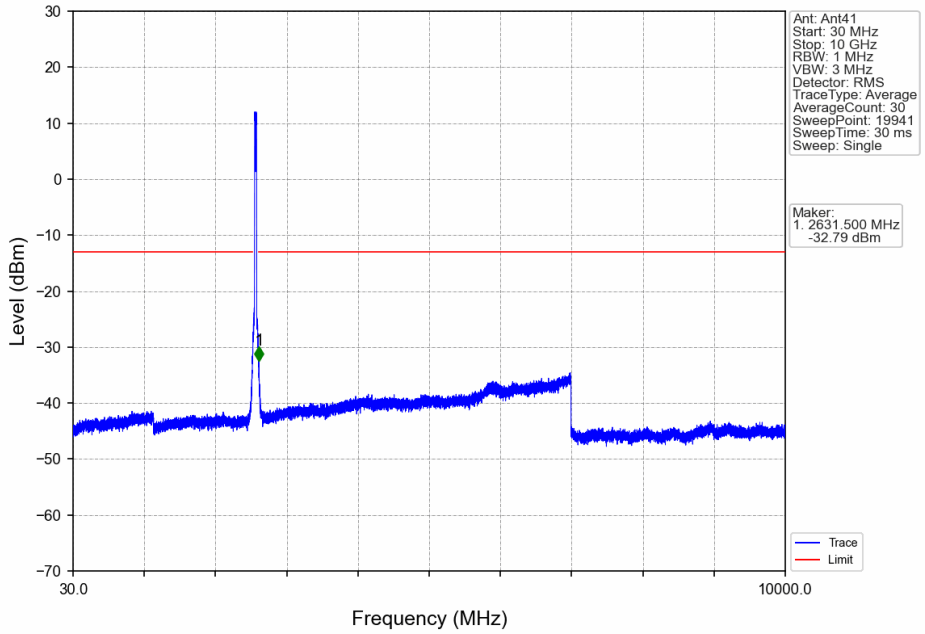


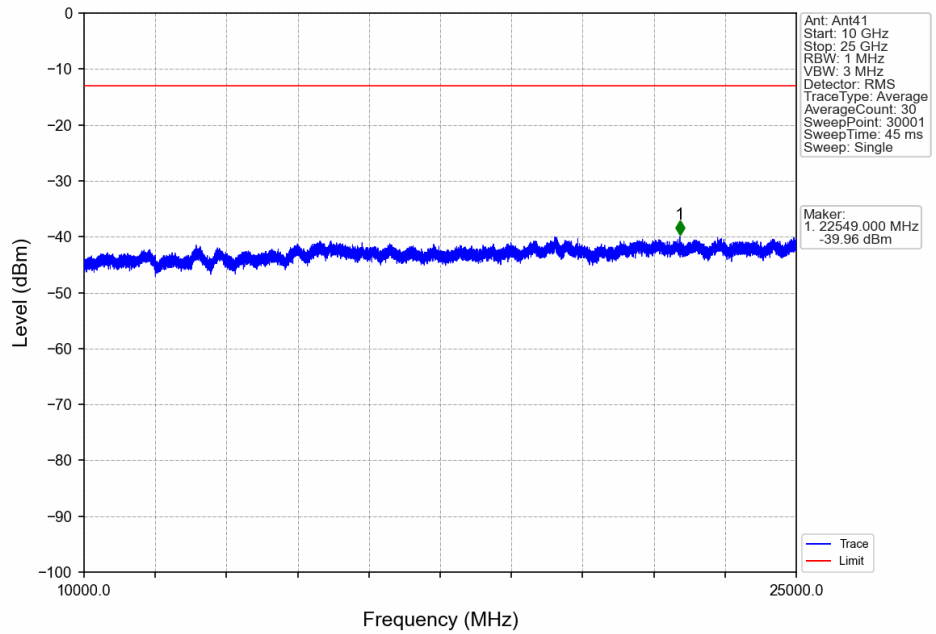

Ant: Ant41
Start: 10 GHz
Stop: 25 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 30001
SweepTime: 45 ms
Sweep: Single
Maker:
1. 24926.500 MHz
-40.00 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
10000.0
25000.0

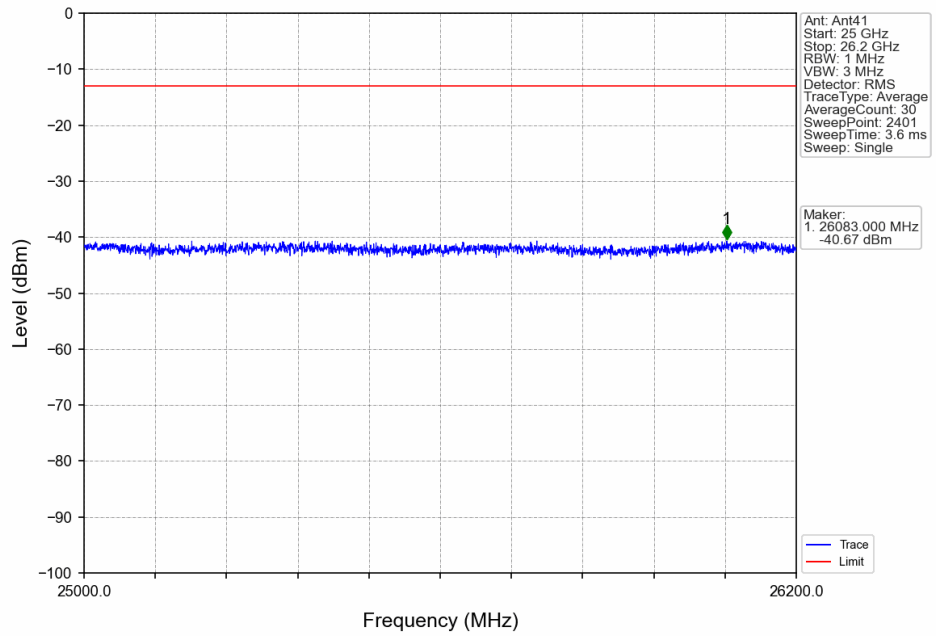

Ant: Ant41
Start: 25 GHz
Stop: 26.2 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 2401
SweepTime: 3.6 ms
Sweep: Single
Maker:
1. 25001.000 MHz
-40.49 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
25000.0
26200.0

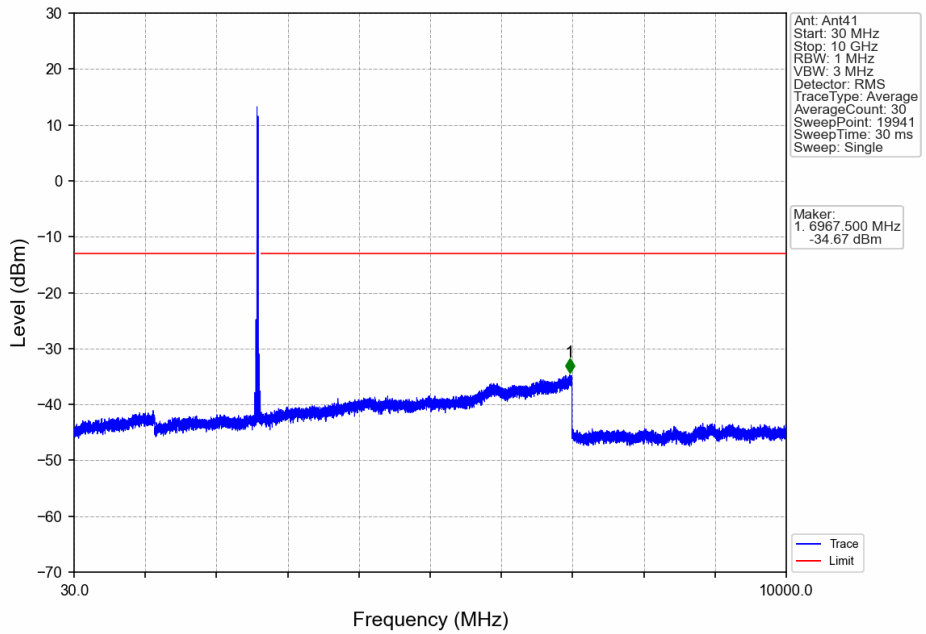


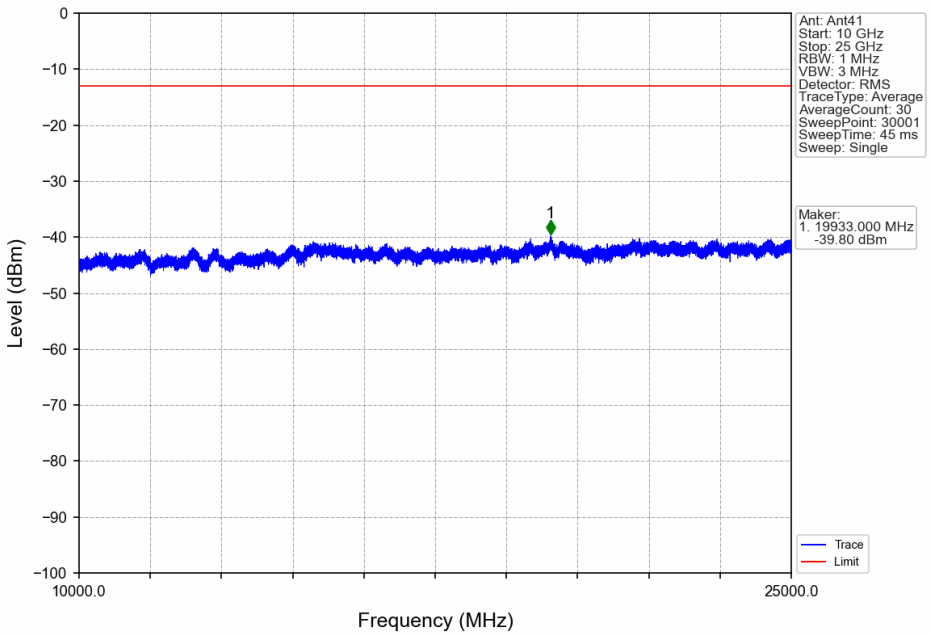
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2553.800	-33.52	-25	Pass
2569	2570	0.3	/	2	2569.280	-33.60	-10	Pass
2570	2592.5	0.3	/	/	/	/	/	/

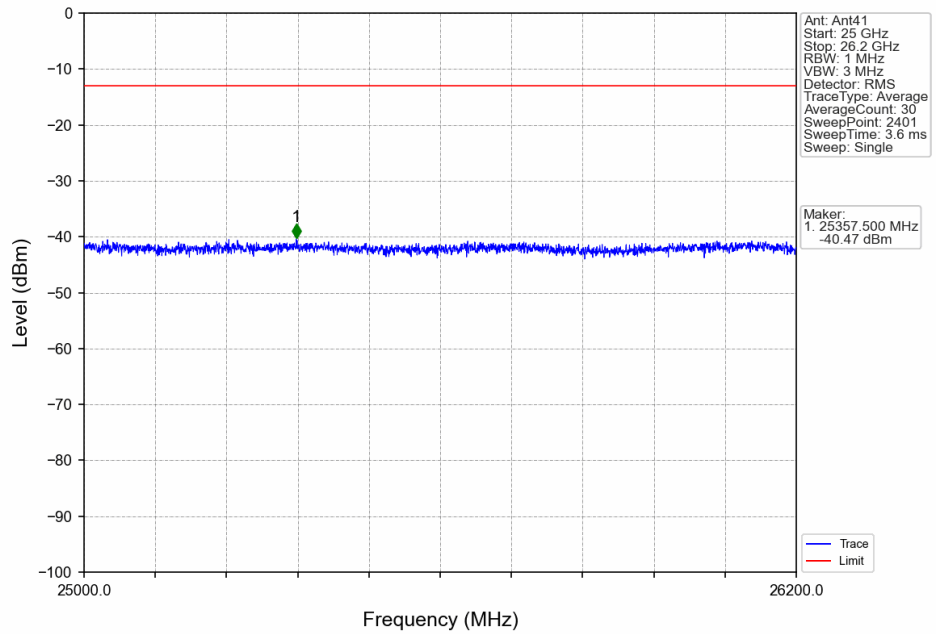


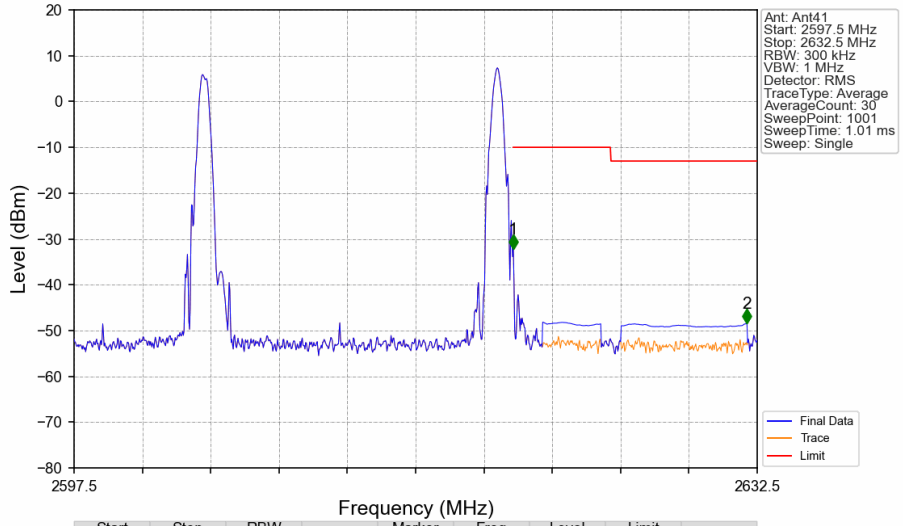

Ant: Ant41
Start: 10 GHz
Stop: 25 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 30001
SweepTime: 45 ms
Sweep: Single
Maker:
1. 22549.000 MHz
-39.96 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
10000.0
25000.0


Ant: Ant41
Start: 25 GHz
Stop: 26.2 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 2401
SweepTime: 3.6 ms
Sweep: Single
Maker:
1. 26083.000 MHz
-40.67 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
25000.0
26200.0

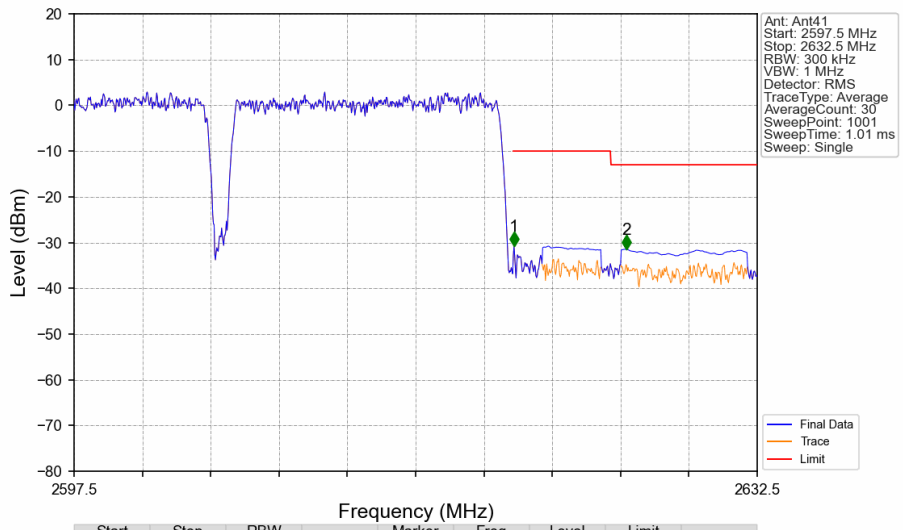

Ant: Ant41
Start: 30 MHz
Stop: 10 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 19941
SweepTime: 30 ms
Sweep: Single
Maker:
1. 6967.500 MHz
-34.67 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0


Ant: Ant41
Start: 10 GHz
Stop: 25 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 30001
SweepTime: 45 ms
Sweep: Single
Maker:
1. 19933.000 MHz
-39.80 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
10000.0
25000.0

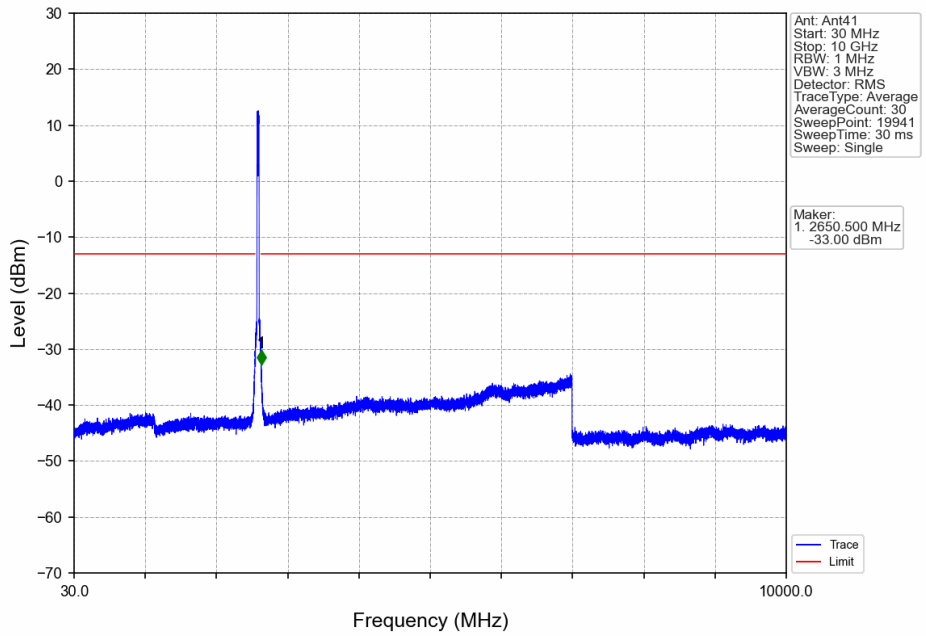


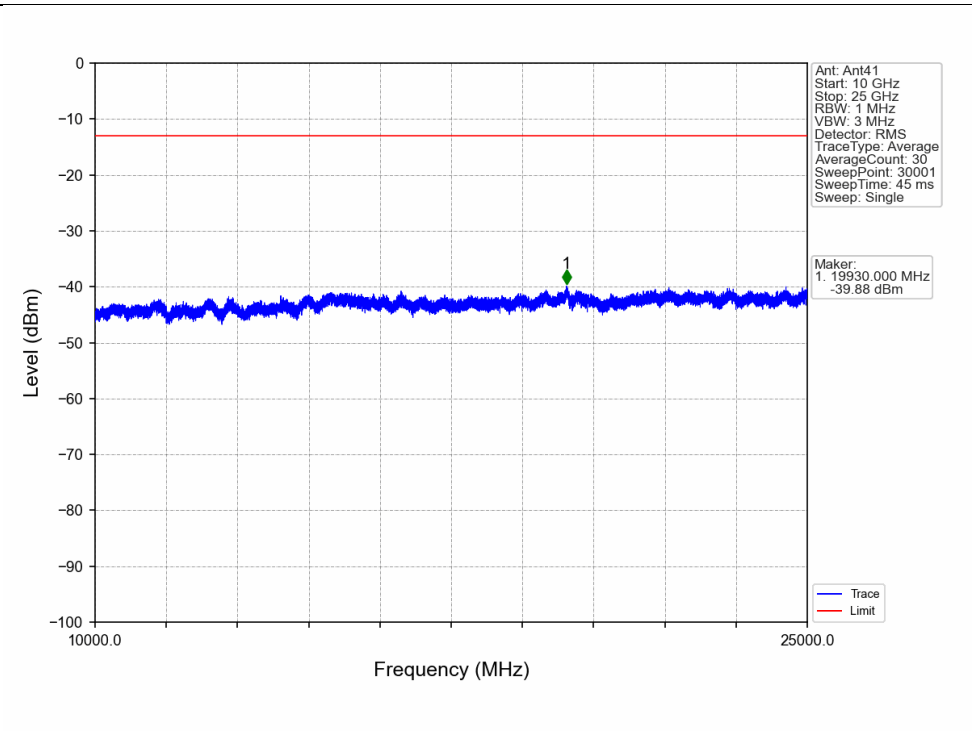


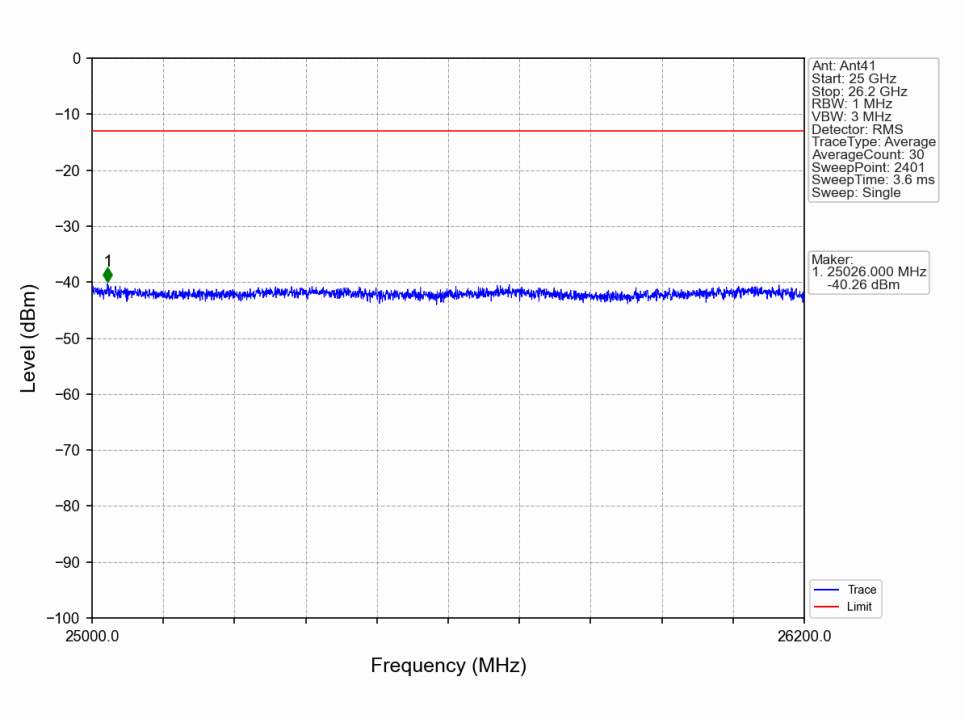
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.3	/	/	/	/	/	/
2620	2621	0.3	/	1	2620.005	-32.17	-10	Pass
2621	2632.5	1	CHP	2	2631.975	-48.48	-13	Pass

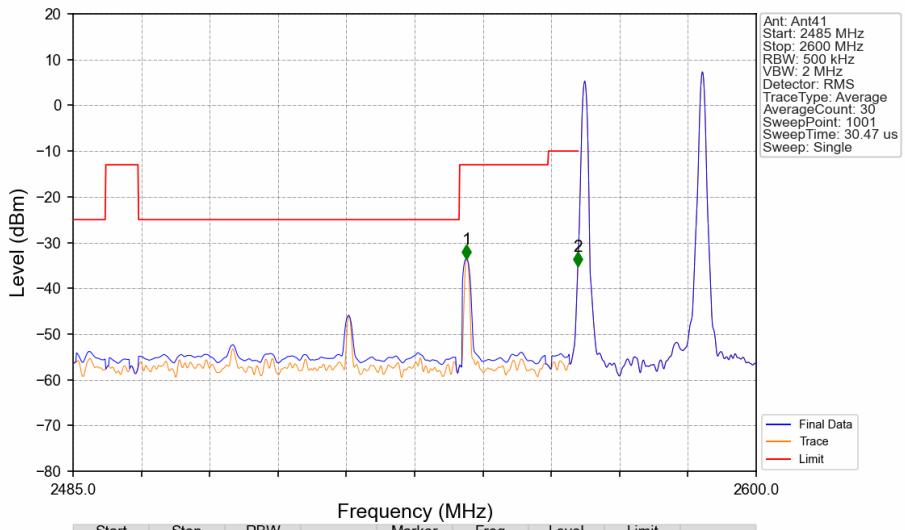


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.3	/	/	/	/	/	/
2620	2621	0.3	/	1	2620.040	-30.87	-10	Pass
2621	2632.5	1	CHP	2	2625.815	-31.48	-13	Pass

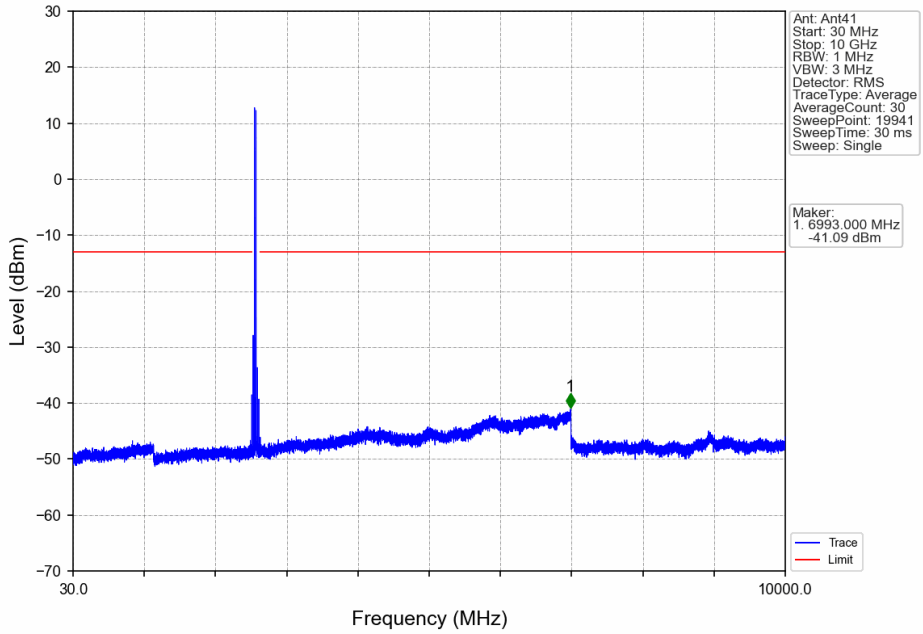


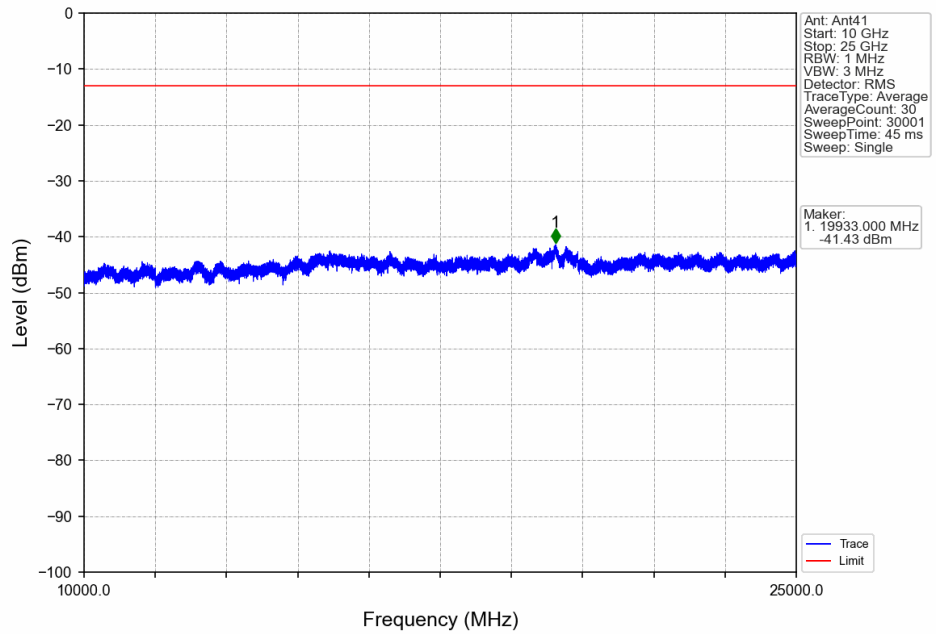

Ant: Ant41
Start: 10 GHz
Stop: 25 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 30001
SweepTime: 45 ms
Sweep: Single
Maker:
1. 19930.000 MHz
-39.88 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
10000.0
25000.0

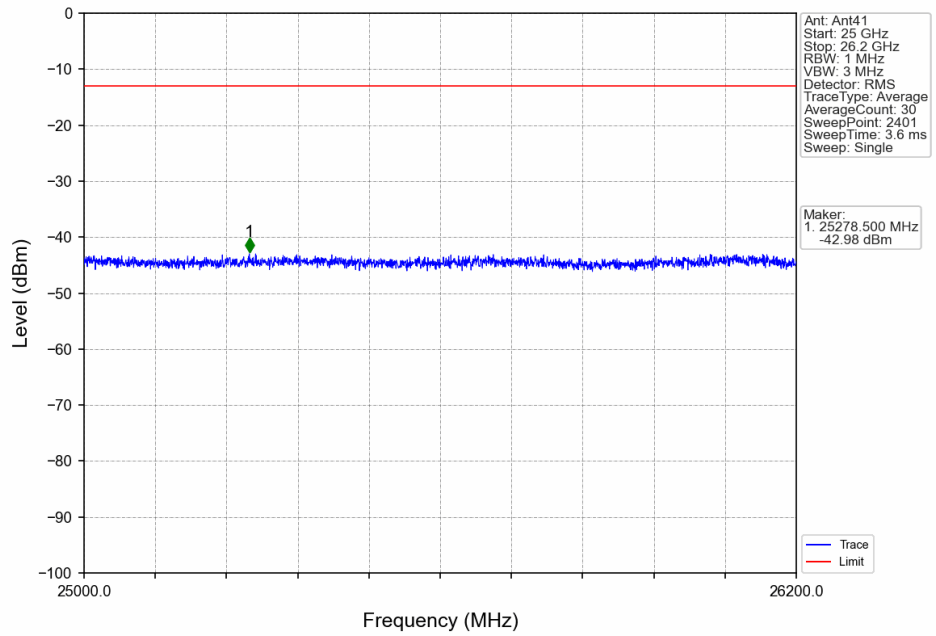

Ant: Ant41
Start: 25 GHz
Stop: 26.2 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 2401
SweepTime: 3.6 ms
Sweep: Single
Maker:
1. 25026.000 MHz
-40.26 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
25000.0
26200.0

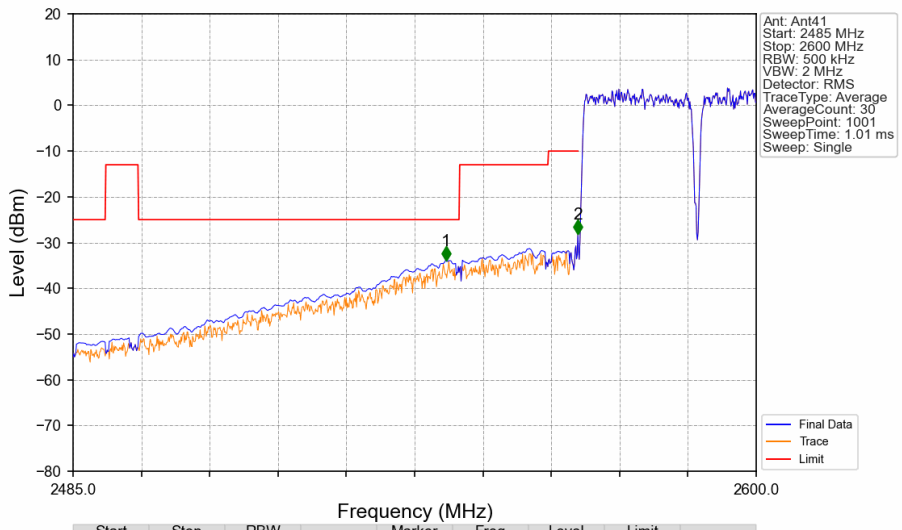


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2551.240	-33.63	-13	Pass
2569	2570	0.5	/	2	2569.985	-35.15	-10	Pass
2570	2600	0.5	/	/	/	/	/	/

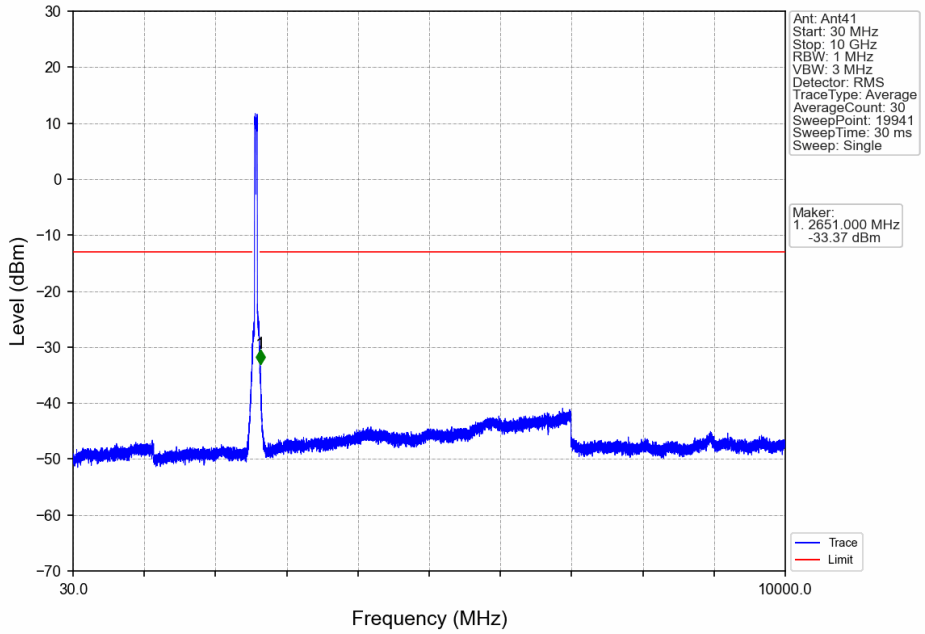


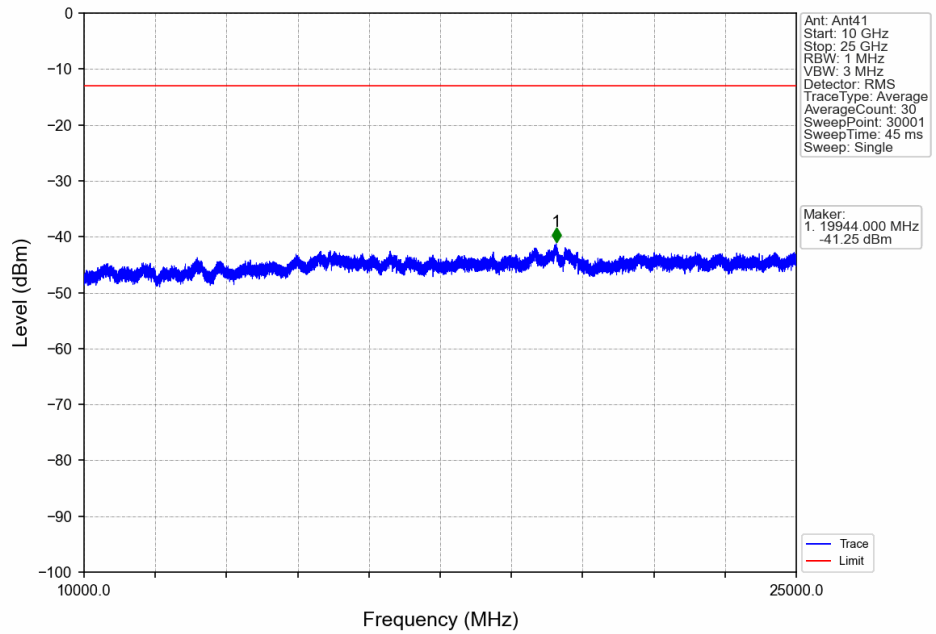

Ant: Ant41
Start: 10 GHz
Stop: 25 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 30001
SweepTime: 45 ms
Sweep: Single
Maker:
1. 19933.000 MHz
-41.43 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
10000.0
25000.0

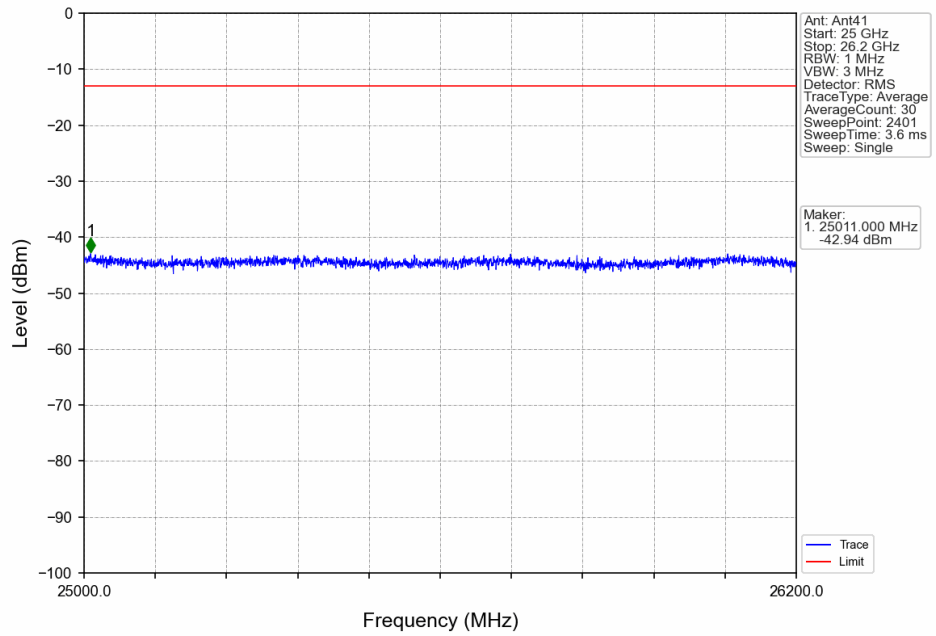

Ant: Ant41
Start: 25 GHz
Stop: 26.2 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 2401
SweepTime: 3.6 ms
Sweep: Single
Maker:
1. 25278.500 MHz
-42.98 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
25000.0
26200.0

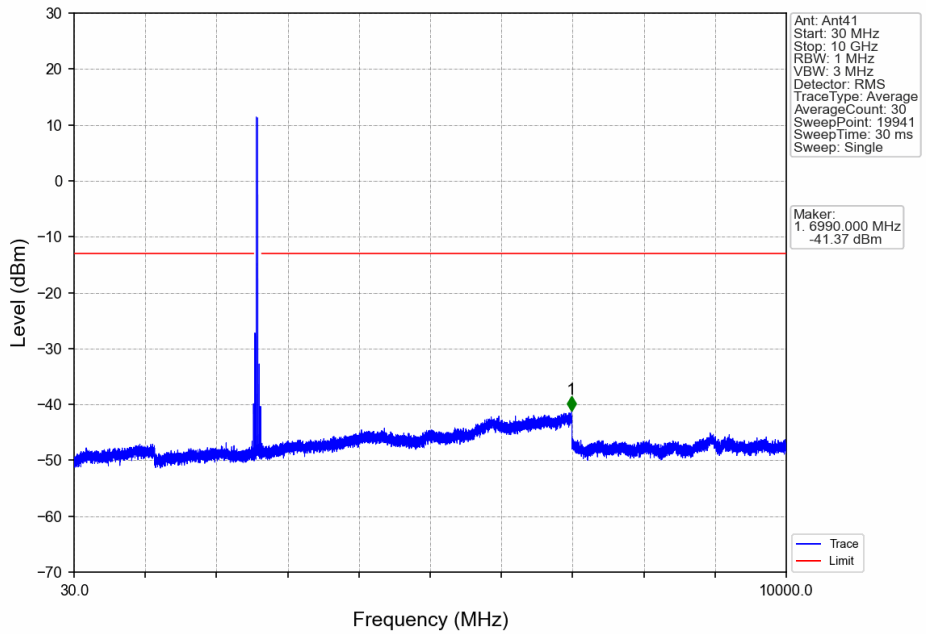


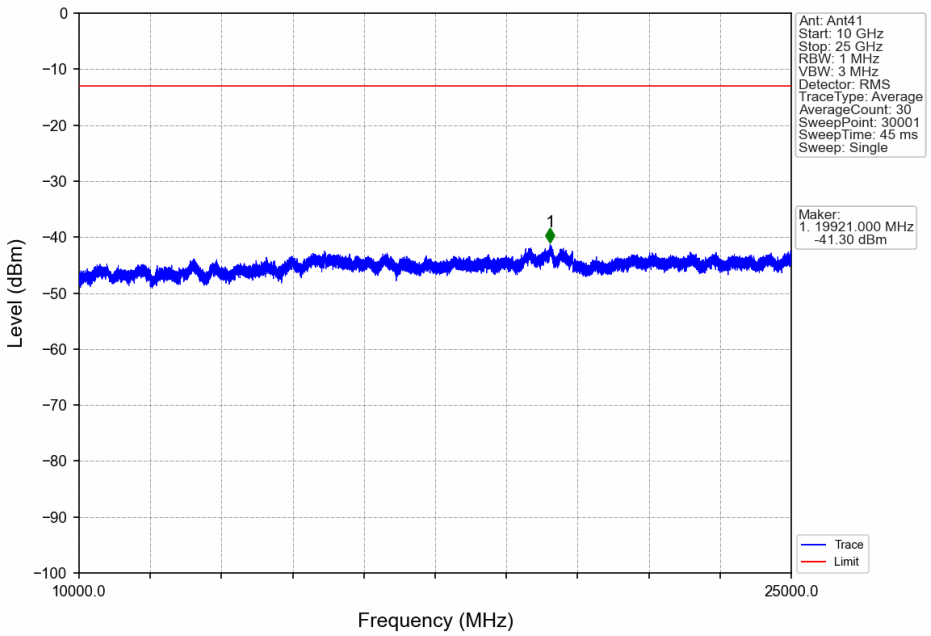
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2547.790	-33.94	-25	Pass
2569	2570	0.5	/	2	2569.985	-28.13	-10	Pass
2570	2600	0.5	/	/	/	/	/	/

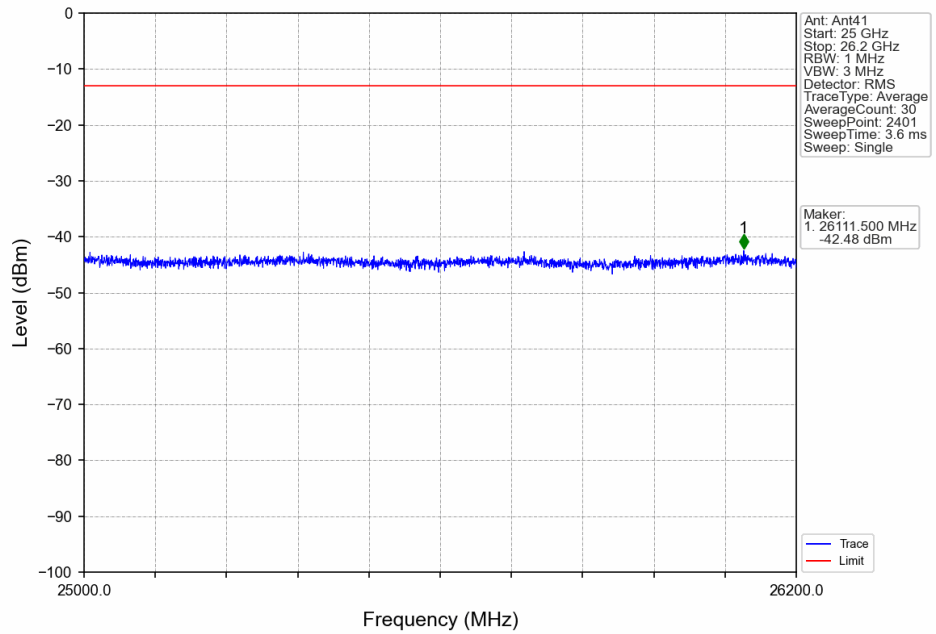


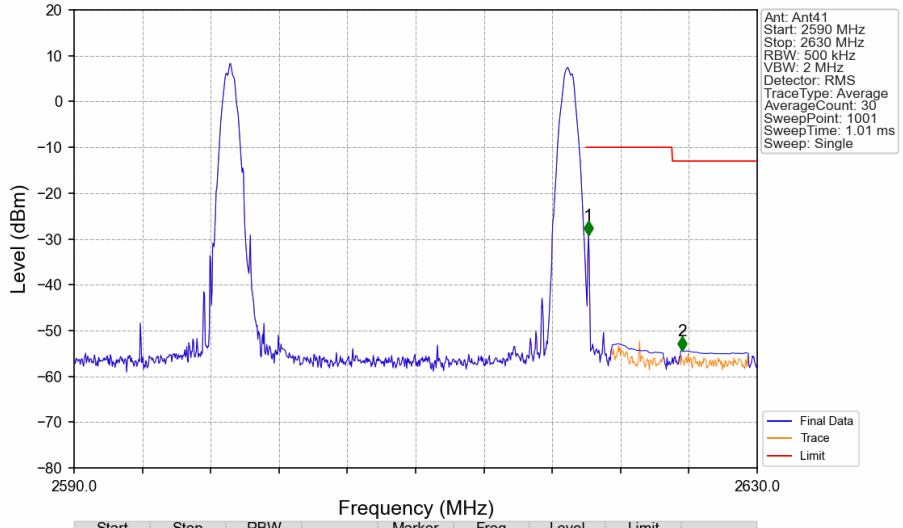

Ant: Ant41
Start: 10 GHz
Stop: 25 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 30001
SweepTime: 45 ms
Sweep: Single
Maker:
1. 19944.000 MHz
-41.25 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
10000.0
25000.0


Ant: Ant41
Start: 25 GHz
Stop: 26.2 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 2401
SweepTime: 3.6 ms
Sweep: Single
Maker:
1. 25011.000 MHz
-42.94 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
25000.0
26200.0

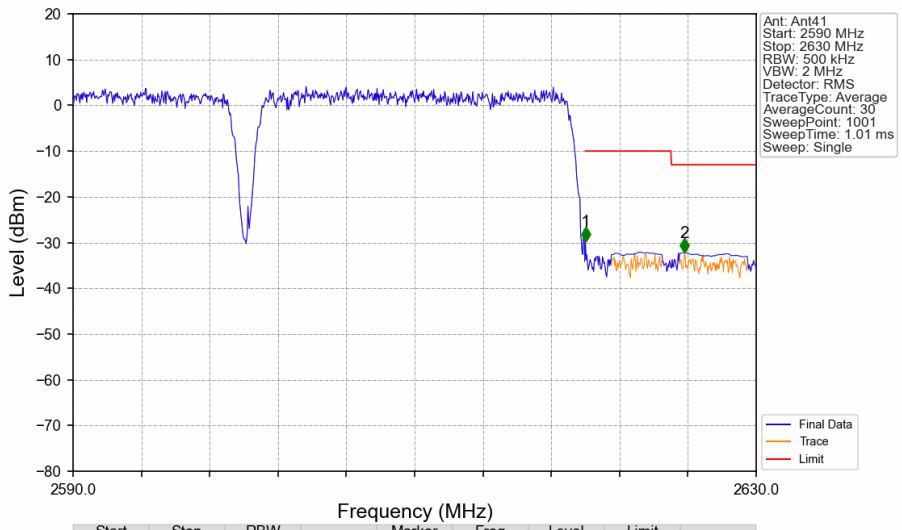

Ant: Ant41
Start: 30 MHz
Stop: 10 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 19941
SweepTime: 30 ms
Sweep: Single
Maker:
1. 6990.000 MHz
-41.37 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
30.0
10000.0


Ant: Ant41
Start: 10 GHz
Stop: 25 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 30001
SweepTime: 45 ms
Sweep: Single
Maker:
1. 19921.000 MHz
-41.30 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
10000.0
25000.0

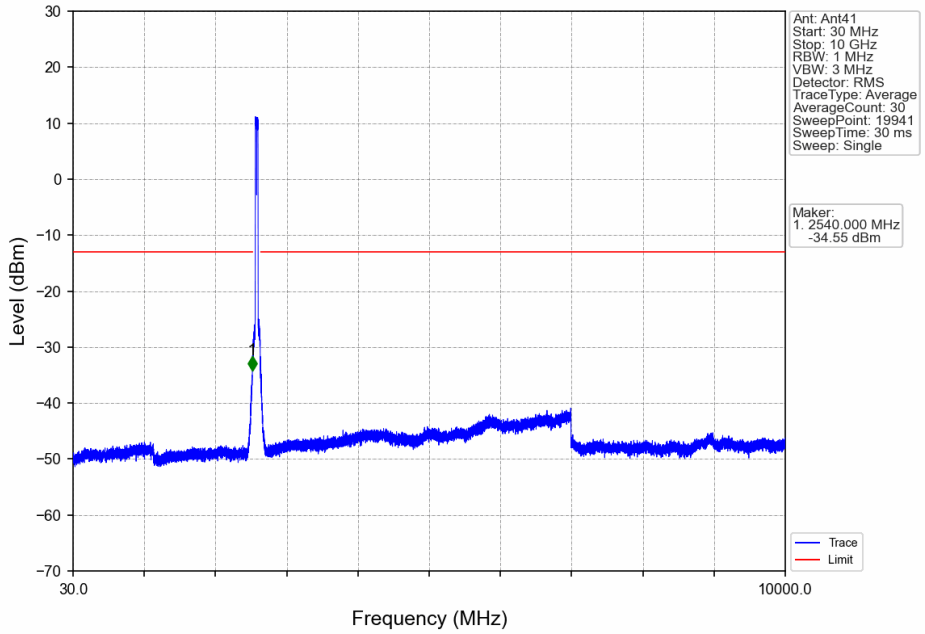


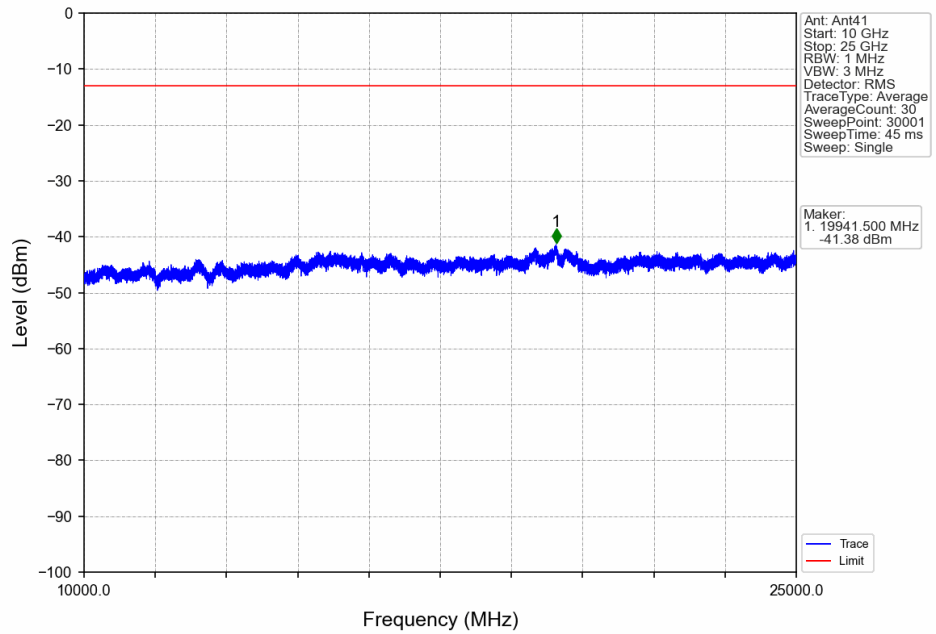


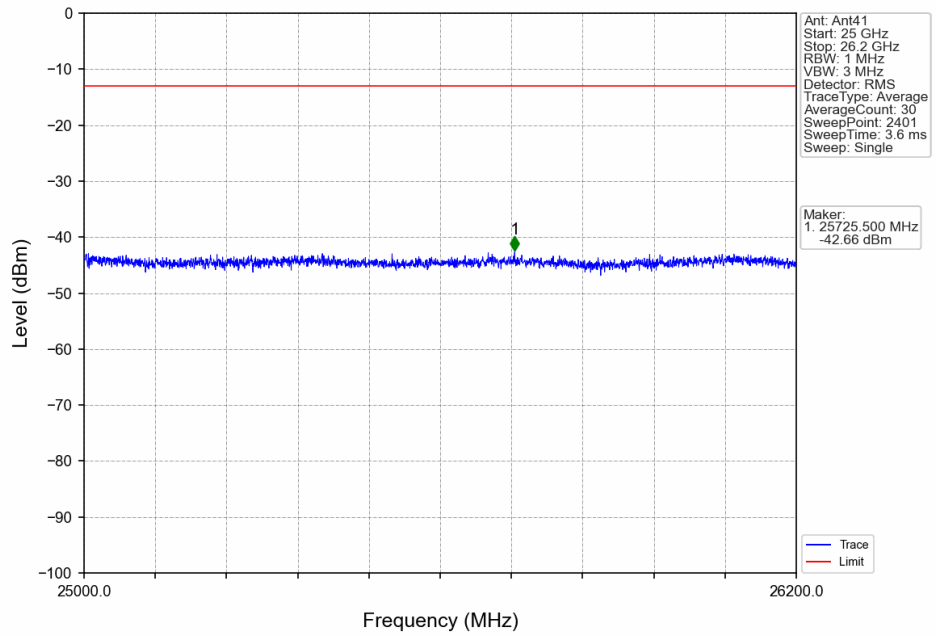
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.5	/	/	/	/	/	/
2620	2621	0.5	/	1	2620.120	-29.21	-10	Pass
2621	2630	1	CHP	2	2625.600	-54.42	-13	Pass



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2590	2620	0.5	/	/	/	/	/	/
2620	2621	0.5	/	1	2620.000	-29.79	-10	Pass
2621	2630	1	CHP	2	2625.800	-32.24	-13	Pass




Ant: Ant41
Start: 10 GHz
Stop: 25 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 30001
SweepTime: 45 ms
Sweep: Single
Maker:
1. 19941.500 MHz
-41.38 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
10000.0
25000.0


Ant: Ant41
Start: 25 GHz
Stop: 26.2 GHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 30
SweepPoint: 2401
SweepTime: 3.6 ms
Sweep: Single
Maker:
1. 25725.500 MHz
-42.66 dBm
Trace
Limit
Level (dBm)
Frequency (MHz)
25000.0
26200.0

4. Field Strength of Spurious Radiation

CA 38C -Low channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5142.0	-63.52	-25	-38.52	-69.13	4.62	10.23	Horizontal	Pass
7713.0	-60.49	-25	-35.49	-67.52	4.96	11.99	Horizontal	Pass
10284.0	-57.04	-25	-32.04	-64.61	5.51	13.08	Horizontal	Pass
5142.0	-63.64	-25	-38.64	-69.25	4.62	10.23	Vertical	Pass
7713.0	-59.86	-25	-34.86	-66.89	4.96	11.99	Vertical	Pass
10284.0	-56.62	-25	-31.62	-64.19	5.51	13.08	Vertical	Pass

CA 38C -Middle channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5152.2	-63.06	-25	-38.06	-68.67	4.62	10.23	Horizontal	Pass
7728.3	-59.75	-25	-34.75	-66.8	4.96	12.01	Horizontal	Pass
10304.4	-56.2	-25	-31.2	-63.77	5.51	13.08	Horizontal	Pass
5152.2	-63.65	-25	-38.65	-69.26	4.62	10.23	Vertical	Pass
7728.3	-59.66	-25	-34.66	-66.71	4.96	12.01	Vertical	Pass
10304.4	-56.65	-25	-31.65	-64.22	5.51	13.08	Vertical	Pass

CA 38C -High channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5162.2	-63.51	-25	-38.51	-69.13	4.62	10.24	Horizontal	Pass
7743.3	-59.74	-25	-34.74	-66.81	4.96	12.03	Horizontal	Pass
10324.4	-56.93	-25	-31.93	-64.51	5.51	13.09	Horizontal	Pass
5162.2	-63.38	-25	-38.38	-69.0	4.62	10.24	Vertical	Pass
7743.3	-59.49	-25	-34.49	-66.56	4.96	12.03	Vertical	Pass
10324.4	-56.95	-25	-31.95	-64.53	5.51	13.09	Vertical	Pass

1) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---