

1. Effective (Isotropic) Radiated Power Output Data

1.1 B42a_5MHz_EIRP

1.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3452.5	1	0	23.29	0.7	23.99	<=30	Pass
			13	23.38	0.7	24.08	<=30	Pass
			24	23.38	0.7	24.08	<=30	Pass
		12	0	22.38	0.7	23.08	<=30	Pass
			6	22.45	0.7	23.15	<=30	Pass
			13	22.48	0.7	23.18	<=30	Pass
		25	0	22.41	0.7	23.11	<=30	Pass
	3500	1	0	24.00	0.7	24.7	<=30	Pass
			13	23.99	0.7	24.69	<=30	Pass
			24	23.84	0.7	24.54	<=30	Pass
		12	0	23.06	0.7	23.76	<=30	Pass
			6	22.79	0.7	23.49	<=30	Pass
			13	22.86	0.7	23.56	<=30	Pass
		25	0	22.92	0.7	23.62	<=30	Pass
	3547.5	1	0	23.67	0.7	24.37	<=30	Pass
			13	23.83	0.7	24.53	<=30	Pass
			24	23.69	0.7	24.39	<=30	Pass
		12	0	21.33	0.7	22.03	<=30	Pass
			6	22.32	0.7	23.02	<=30	Pass
			13	21.86	0.7	22.56	<=30	Pass
		25	0	22.74	0.7	23.44	<=30	Pass
16QAM	3452.5	1	0	22.16	0.7	22.86	<=30	Pass
			13	22.22	0.7	22.92	<=30	Pass
			24	22.30	0.7	23	<=30	Pass
		12	0	21.38	0.7	22.08	<=30	Pass
			6	21.43	0.7	22.13	<=30	Pass
			13	21.36	0.7	22.06	<=30	Pass
		25	0	21.43	0.7	22.13	<=30	Pass
	3500	1	0	22.92	0.7	23.62	<=30	Pass
			13	23.01	0.7	23.71	<=30	Pass
			24	22.73	0.7	23.43	<=30	Pass
		12	0	22.03	0.7	22.73	<=30	Pass
			6	21.84	0.7	22.54	<=30	Pass
			13	21.94	0.7	22.64	<=30	Pass
		25	0	21.91	0.7	22.61	<=30	Pass
	3547.5	1	0	22.69	0.7	23.39	<=30	Pass
			13	22.47	0.7	23.17	<=30	Pass
			24	21.43	0.7	22.13	<=30	Pass
		12	0	21.02	0.7	21.72	<=30	Pass
			6	21.20	0.7	21.9	<=30	Pass
			13	21.15	0.7	21.85	<=30	Pass
		25	0	21.28	0.7	21.98	<=30	Pass
64QAM	3452.5	1	0	22.05	0.7	22.75	<=30	Pass
			13	21.53	0.7	22.23	<=30	Pass
			24	21.11	0.7	21.81	<=30	Pass
		12	0	20.39	0.7	21.09	<=30	Pass

		25	6	20.51	0.7	21.21	<=30	Pass
			13	20.41	0.7	21.11	<=30	Pass
			0	20.39	0.7	21.09	<=30	Pass
	3500	1	0	21.79	0.7	22.49	<=30	Pass
			13	21.59	0.7	22.29	<=30	Pass
			24	21.67	0.7	22.37	<=30	Pass
		12	0	21.06	0.7	21.76	<=30	Pass
			6	21.04	0.7	21.74	<=30	Pass
			13	20.90	0.7	21.6	<=30	Pass
		25	0	20.90	0.7	21.6	<=30	Pass
	3547.5	1	0	21.03	0.7	21.73	<=30	Pass
			13	21.26	0.7	21.96	<=30	Pass
			24	21.17	0.7	21.87	<=30	Pass
		12	0	20.81	0.7	21.51	<=30	Pass
			6	20.69	0.7	21.39	<=30	Pass
			13	20.49	0.7	21.19	<=30	Pass
		25	0	20.61	0.7	21.31	<=30	Pass

256QAM	3452.5	1	0	17.98	0.7	18.68	<=30	Pass
			13	14.52	0.7	15.22	<=30	Pass
			24	15.13	0.7	15.83	<=30	Pass
		12	0	15.34	0.7	16.04	<=30	Pass
			6	16.23	0.7	16.93	<=30	Pass
			13	15.26	0.7	15.96	<=30	Pass
		25	0	15.37	0.7	16.07	<=30	Pass
	3500	1	0	19.00	0.7	19.7	<=30	Pass
			13	15.02	0.7	15.72	<=30	Pass
			24	15.70	0.7	16.4	<=30	Pass
		12	0	16.76	0.7	17.46	<=30	Pass
			6	15.59	0.7	16.29	<=30	Pass
			13	17.78	0.7	18.48	<=30	Pass
		25	0	15.91	0.7	16.61	<=30	Pass
	3547.5	1	0	18.45	0.7	19.15	<=30	Pass
			13	16.18	0.7	16.88	<=30	Pass
			24	14.51	0.7	15.21	<=30	Pass
		12	0	16.40	0.7	17.1	<=30	Pass
			6	16.26	0.7	16.96	<=30	Pass
			13	15.68	0.7	16.38	<=30	Pass
		25	0	14.89	0.7	15.59	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B42a_10MHz_EIRP

1.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3455	1	0	23.16	0.7	23.86	<=30	Pass
			25	23.34	0.7	24.04	<=30	Pass
			49	23.38	0.7	24.08	<=30	Pass
		25	0	22.27	0.7	22.97	<=30	Pass
			13	22.38	0.7	23.08	<=30	Pass
			25	22.42	0.7	23.12	<=30	Pass
		50	0	22.34	0.7	23.04	<=30	Pass
	3500	1	0	23.93	0.7	24.63	<=30	Pass

			25	23.94	0.7	24.64	<=30	Pass
			49	23.70	0.7	24.4	<=30	Pass
			0	23.01	0.7	23.71	<=30	Pass
		25	13	22.82	0.7	23.52	<=30	Pass
			25	22.90	0.7	23.6	<=30	Pass
			0	22.89	0.7	23.59	<=30	Pass
	3545	1	0	23.27	0.7	23.97	<=30	Pass
			25	23.66	0.7	24.36	<=30	Pass
			49	23.70	0.7	24.4	<=30	Pass
		25	0	21.72	0.7	22.42	<=30	Pass
			13	22.71	0.7	23.41	<=30	Pass
			25	22.57	0.7	23.27	<=30	Pass
		50	0	21.77	0.7	22.47	<=30	Pass
16QAM	3455	1	0	21.83	0.7	22.53	<=30	Pass
			25	22.04	0.7	22.74	<=30	Pass
			49	22.07	0.7	22.77	<=30	Pass
		25	0	21.26	0.7	21.96	<=30	Pass
			13	21.43	0.7	22.13	<=30	Pass
			25	21.34	0.7	22.04	<=30	Pass
		50	0	21.35	0.7	22.05	<=30	Pass
	3500	1	0	22.44	0.7	23.14	<=30	Pass
			25	22.60	0.7	23.3	<=30	Pass
			49	22.52	0.7	23.22	<=30	Pass
		25	0	21.94	0.7	22.64	<=30	Pass
			13	21.94	0.7	22.64	<=30	Pass
			25	21.61	0.7	22.31	<=30	Pass
		50	0	21.91	0.7	22.61	<=30	Pass
	3545	1	0	21.69	0.7	22.39	<=30	Pass
			25	21.62	0.7	22.32	<=30	Pass
			49	22.82	0.7	23.52	<=30	Pass
		25	0	21.00	0.7	21.7	<=30	Pass
			13	21.67	0.7	22.37	<=30	Pass
			25	20.94	0.7	21.64	<=30	Pass
		50	0	21.22	0.7	21.92	<=30	Pass
64QAM	3455	1	0	20.93	0.7	21.63	<=30	Pass
			25	21.16	0.7	21.86	<=30	Pass
			49	21.28	0.7	21.98	<=30	Pass
		25	0	20.26	0.7	20.96	<=30	Pass
			13	20.42	0.7	21.12	<=30	Pass
			25	20.45	0.7	21.15	<=30	Pass
		50	0	20.36	0.7	21.06	<=30	Pass
	3500	1	0	21.71	0.7	22.41	<=30	Pass
			25	21.66	0.7	22.36	<=30	Pass
			49	21.34	0.7	22.04	<=30	Pass
		25	0	20.89	0.7	21.59	<=30	Pass
			13	20.81	0.7	21.51	<=30	Pass
			25	20.73	0.7	21.43	<=30	Pass
		50	0	20.86	0.7	21.56	<=30	Pass
	3545	1	0	21.03	0.7	21.73	<=30	Pass
			25	21.00	0.7	21.7	<=30	Pass
			49	21.08	0.7	21.78	<=30	Pass
		25	0	20.53	0.7	21.23	<=30	Pass
			13	20.37	0.7	21.07	<=30	Pass
			25	20.53	0.7	21.23	<=30	Pass
		50	0	20.29	0.7	20.99	<=30	Pass
256QAM	3455	1	0	17.97	0.7	18.67	<=30	Pass
			25	18.23	0.7	18.93	<=30	Pass

		25	49	18.00	0.7	18.7	<=30	Pass
			0	16.03	0.7	16.73	<=30	Pass
			13	16.85	0.7	17.55	<=30	Pass
			25	13.18	0.7	13.88	<=30	Pass
		50	0	15.36	0.7	16.06	<=30	Pass
	3500	1	0	18.75	0.7	19.45	<=30	Pass
			25	15.77	0.7	16.47	<=30	Pass
			49	18.05	0.7	18.75	<=30	Pass
		25	0	17.35	0.7	18.05	<=30	Pass
			13	16.70	0.7	17.4	<=30	Pass
			25	16.62	0.7	17.32	<=30	Pass
		50	0	17.19	0.7	17.89	<=30	Pass
		3545	1	0	18.39	0.7	19.09	<=30
	25			17.00	0.7	17.7	<=30	Pass
	49			17.13	0.7	17.83	<=30	Pass
	25		0	14.68	0.7	15.38	<=30	Pass
			13	17.09	0.7	17.79	<=30	Pass
			25	14.66	0.7	15.36	<=30	Pass
	50	0	17.00	0.7	17.7	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B42a_15MHz_EIRP

1.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3457.5	1	0	22.72	0.7	23.42	<=30	Pass
			38	23.33	0.7	24.03	<=30	Pass
			74	23.30	0.7	24	<=30	Pass
		36	0	22.17	0.7	22.87	<=30	Pass
			18	22.33	0.7	23.03	<=30	Pass
			39	22.46	0.7	23.16	<=30	Pass
		75	0	22.33	0.7	23.03	<=30	Pass
	3500	1	0	23.65	0.7	24.35	<=30	Pass
			38	23.68	0.7	24.38	<=30	Pass
			74	23.49	0.7	24.19	<=30	Pass
		36	0	22.83	0.7	23.53	<=30	Pass
			18	22.72	0.7	23.42	<=30	Pass
			39	22.38	0.7	23.08	<=30	Pass
		75	0	22.80	0.7	23.5	<=30	Pass
	3542.5	1	0	23.50	0.7	24.2	<=30	Pass
			38	23.41	0.7	24.11	<=30	Pass
			74	23.51	0.7	24.21	<=30	Pass
		36	0	21.76	0.7	22.46	<=30	Pass
			18	22.72	0.7	23.42	<=30	Pass
			39	22.51	0.7	23.21	<=30	Pass
		75	0	22.62	0.7	23.32	<=30	Pass
16QAM	3457.5	1	0	21.87	0.7	22.57	<=30	Pass
			38	22.13	0.7	22.83	<=30	Pass
			74	22.31	0.7	23.01	<=30	Pass
		36	0	21.16	0.7	21.86	<=30	Pass
			18	21.32	0.7	22.02	<=30	Pass
			39	21.41	0.7	22.11	<=30	Pass

		75	0	21.30	0.7	22	<=30	Pass
	3500	1	0	22.44	0.7	23.14	<=30	Pass
			38	22.72	0.7	23.42	<=30	Pass
			74	22.36	0.7	23.06	<=30	Pass
		36	0	21.66	0.7	22.36	<=30	Pass
			18	21.61	0.7	22.31	<=30	Pass
			39	21.67	0.7	22.37	<=30	Pass
		75	0	21.53	0.7	22.23	<=30	Pass
	3542.5	1	0	22.13	0.7	22.83	<=30	Pass
			38	22.07	0.7	22.77	<=30	Pass
			74	22.16	0.7	22.86	<=30	Pass
		36	0	21.12	0.7	21.82	<=30	Pass
			18	21.67	0.7	22.37	<=30	Pass
			39	21.59	0.7	22.29	<=30	Pass
		75	0	21.64	0.7	22.34	<=30	Pass
64QAM	3457.5	1	0	20.65	0.7	21.35	<=30	Pass
			38	20.95	0.7	21.65	<=30	Pass
			74	20.98	0.7	21.68	<=30	Pass
		36	0	20.19	0.7	20.89	<=30	Pass
			18	20.29	0.7	20.99	<=30	Pass
			39	20.45	0.7	21.15	<=30	Pass
		75	0	20.30	0.7	21	<=30	Pass
	3500	1	0	21.49	0.7	22.19	<=30	Pass
			38	21.28	0.7	21.98	<=30	Pass
			74	21.42	0.7	22.12	<=30	Pass
		36	0	20.80	0.7	21.5	<=30	Pass
			18	20.58	0.7	21.28	<=30	Pass
			39	20.29	0.7	20.99	<=30	Pass
		75	0	20.75	0.7	21.45	<=30	Pass
	3542.5	1	0	21.32	0.7	22.02	<=30	Pass
			38	21.52	0.7	22.22	<=30	Pass
			74	21.57	0.7	22.27	<=30	Pass
		36	0	20.60	0.7	21.3	<=30	Pass
			18	20.61	0.7	21.31	<=30	Pass
			39	20.45	0.7	21.15	<=30	Pass
		75	0	20.56	0.7	21.26	<=30	Pass
256QAM	3457.5	1	0	17.74	0.7	18.44	<=30	Pass
			38	18.10	0.7	18.8	<=30	Pass
			74	14.65	0.7	15.35	<=30	Pass
		36	0	16.64	0.7	17.34	<=30	Pass
			18	16.77	0.7	17.47	<=30	Pass
			39	17.44	0.7	18.14	<=30	Pass
		75	0	11.34	0.7	12.04	<=30	Pass
	3500	1	0	18.59	0.7	19.29	<=30	Pass
			38	14.70	0.7	15.4	<=30	Pass
			74	15.78	0.7	16.48	<=30	Pass
		36	0	16.52	0.7	17.22	<=30	Pass
			18	16.47	0.7	17.17	<=30	Pass
			39	17.66	0.7	18.36	<=30	Pass
		75	0	15.67	0.7	16.37	<=30	Pass
	3542.5	1	0	18.12	0.7	18.82	<=30	Pass
			38	14.40	0.7	15.1	<=30	Pass
			74	14.48	0.7	15.18	<=30	Pass
		36	0	15.54	0.7	16.24	<=30	Pass
			18	16.81	0.7	17.51	<=30	Pass
			39	14.62	0.7	15.32	<=30	Pass
		75	0	11.65	0.7	12.35	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B42a_20MHz_EIRP

1.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3460	1	0	23.17	0.7	23.87	<=30	Pass
			50	23.38	0.7	24.08	<=30	Pass
			99	23.19	0.7	23.89	<=30	Pass
		50	0	22.28	0.7	22.98	<=30	Pass
			25	22.50	0.7	23.2	<=30	Pass
			50	22.49	0.7	23.19	<=30	Pass
		100	0	22.46	0.7	23.16	<=30	Pass
	3500	1	0	23.76	0.7	24.46	<=30	Pass
			50	23.76	0.7	24.46	<=30	Pass
			99	23.55	0.7	24.25	<=30	Pass
		50	0	22.65	0.7	23.35	<=30	Pass
			25	22.80	0.7	23.5	<=30	Pass
			50	22.52	0.7	23.22	<=30	Pass
		100	0	22.69	0.7	23.39	<=30	Pass
	3540	1	0	23.76	0.7	24.46	<=30	Pass
			50	23.53	0.7	24.23	<=30	Pass
			99	23.54	0.7	24.24	<=30	Pass
		50	0	22.77	0.7	23.47	<=30	Pass
			25	22.45	0.7	23.15	<=30	Pass
			50	22.64	0.7	23.34	<=30	Pass
		100	0	22.72	0.7	23.42	<=30	Pass
16QAM	3460	1	0	22.02	0.7	22.72	<=30	Pass
			50	22.44	0.7	23.14	<=30	Pass
			99	22.34	0.7	23.04	<=30	Pass
		50	0	21.30	0.7	22	<=30	Pass
			25	21.43	0.7	22.13	<=30	Pass
			50	21.37	0.7	22.07	<=30	Pass
		100	0	21.49	0.7	22.19	<=30	Pass
	3500	1	0	22.74	0.7	23.44	<=30	Pass
			50	22.97	0.7	23.67	<=30	Pass
			99	22.54	0.7	23.24	<=30	Pass
		50	0	21.84	0.7	22.54	<=30	Pass
			25	21.82	0.7	22.52	<=30	Pass
			50	21.36	0.7	22.06	<=30	Pass
		100	0	21.78	0.7	22.48	<=30	Pass
	3540	1	0	22.45	0.7	23.15	<=30	Pass
			50	22.08	0.7	22.78	<=30	Pass
			99	22.34	0.7	23.04	<=30	Pass
		50	0	21.82	0.7	22.52	<=30	Pass
			25	21.36	0.7	22.06	<=30	Pass
			50	21.46	0.7	22.16	<=30	Pass
		100	0	21.58	0.7	22.28	<=30	Pass
64QAM	3460	1	0	21.09	0.7	21.79	<=30	Pass
			50	21.28	0.7	21.98	<=30	Pass
			99	21.01	0.7	21.71	<=30	Pass
		50	0	20.33	0.7	21.03	<=30	Pass

		100	25	20.49	0.7	21.19	<=30	Pass	
			50	20.37	0.7	21.07	<=30	Pass	
			0	20.47	0.7	21.17	<=30	Pass	
	3500	1	0	21.52	0.7	22.22	<=30	Pass	
			50	21.74	0.7	22.44	<=30	Pass	
			99	21.51	0.7	22.21	<=30	Pass	
		50	0	20.86	0.7	21.56	<=30	Pass	
			25	20.82	0.7	21.52	<=30	Pass	
			50	20.41	0.7	21.11	<=30	Pass	
		100	0	20.66	0.7	21.36	<=30	Pass	
		3540	1	0	21.66	0.7	22.36	<=30	Pass
				50	21.50	0.7	22.2	<=30	Pass
	99			21.41	0.7	22.11	<=30	Pass	
	50		0	20.19	0.7	20.89	<=30	Pass	
			25	20.71	0.7	21.41	<=30	Pass	
			50	20.40	0.7	21.1	<=30	Pass	
	100		0	20.75	0.7	21.45	<=30	Pass	

256QAM	3460	1	0	17.94	0.7	18.64	<=30	Pass
			50	13.33	0.7	14.03	<=30	Pass
			99	16.04	0.7	16.74	<=30	Pass
		50	0	16.71	0.7	17.41	<=30	Pass
			25	16.82	0.7	17.52	<=30	Pass
			50	14.61	0.7	15.31	<=30	Pass
		100	0	14.49	0.7	15.19	<=30	Pass
	3500	1	0	18.70	0.7	19.4	<=30	Pass
			50	15.95	0.7	16.65	<=30	Pass
			99	14.73	0.7	15.43	<=30	Pass
		50	0	16.58	0.7	17.28	<=30	Pass
			25	14.85	0.7	15.55	<=30	Pass
			50	11.28	0.7	11.98	<=30	Pass
		100	0	13.54	0.7	14.24	<=30	Pass
	3540	1	0	18.54	0.7	19.24	<=30	Pass
			50	15.45	0.7	16.15	<=30	Pass
			99	14.73	0.7	15.43	<=30	Pass
		50	0	15.81	0.7	16.51	<=30	Pass
			25	15.68	0.7	16.38	<=30	Pass
			50	14.63	0.7	15.33	<=30	Pass
		100	0	15.90	0.7	16.6	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 B42a_20MHz

2.1.1 Test Result

Band: 42a / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3460	100	0	20	3.27	-4.100	-0.0012	-2.5 to 2.5	Pass
					3.85	0.300	0.0001	-2.5 to 2.5	Pass
					4.43	-1.500	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-1.600	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass

				-10	3.85	-4.500	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-6.600	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-0.800	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-2.500	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	0.200	0.0001	-2.5 to 2.5	Pass
					3.85	1.500	0.0004	-2.5 to 2.5	Pass
					4.43	-1.300	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	2.000	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.800	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.900	-0.0005	-2.5 to 2.5	Pass
				0	3.85	0.700	0.0002	-2.5 to 2.5	Pass
				10	3.85	-2.000	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.900	0.0003	-2.5 to 2.5	Pass
				50	3.85	-3.800	-0.0011	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	-3.900	-0.0011	-2.5 to 2.5	Pass
					3.85	-1.700	-0.0005	-2.5 to 2.5	Pass
					4.43	-2.900	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.600	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.100	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.500	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.000	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-4.000	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				50	3.85	-2.800	-0.0008	-2.5 to 2.5	Pass
16QAM	3460	100	0	20	3.27	-3.800	-0.0011	-2.5 to 2.5	Pass
					3.85	2.400	0.0007	-2.5 to 2.5	Pass
					4.43	-2.100	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-2.700	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.700	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.800	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.600	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.900	0.0003	-2.5 to 2.5	Pass
				40	3.85	-3.200	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	0.900	0.0003	-2.5 to 2.5	Pass
					3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
					4.43	-3.100	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-4.100	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.100	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.200	-0.0003	-2.5 to 2.5	Pass
				0	3.85	1.100	0.0003	-2.5 to 2.5	Pass
				10	3.85	-1.000	-0.0003	-2.5 to 2.5	Pass
				30	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				40	3.85	-3.300	-0.0009	-2.5 to 2.5	Pass
				50	3.85	0.500	0.0001	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	-0.500	-0.0001	-2.5 to 2.5	Pass
					3.85	-3.800	-0.0011	-2.5 to 2.5	Pass
					4.43	0.300	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.700	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-2.500	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.700	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-2.500	-0.0007	-2.5 to 2.5	Pass

				10	3.85	2.700	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.300	0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
64QAM	3460	100	0	20	3.27	-5.800	-0.0017	-2.5 to 2.5	Pass
					3.85	-7.400	-0.0021	-2.5 to 2.5	Pass
					4.43	-3.900	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-14.000	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-2.700	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.900	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.900	-0.0008	-2.5 to 2.5	Pass
				30	3.85	8.600	0.0025	-2.5 to 2.5	Pass
				40	3.85	-7.700	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-5.100	-0.0015	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	-8.100	-0.0023	-2.5 to 2.5	Pass
					3.85	1.600	0.0005	-2.5 to 2.5	Pass
					4.43	10.200	0.0029	-2.5 to 2.5	Pass
				-30	3.85	5.900	0.0017	-2.5 to 2.5	Pass
				-20	3.85	3.100	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.900	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-5.200	-0.0015	-2.5 to 2.5	Pass
				10	3.85	11.300	0.0032	-2.5 to 2.5	Pass
				30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.85	-4.500	-0.0013	-2.5 to 2.5	Pass
				50	3.85	0.200	0.0001	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	-6.100	-0.0017	-2.5 to 2.5	Pass
					3.85	-13.600	-0.0038	-2.5 to 2.5	Pass
					4.43	-12.500	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.85	7.600	0.0021	-2.5 to 2.5	Pass
				-10	3.85	-5.600	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-17.300	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-3.700	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-5.600	-0.0016	-2.5 to 2.5	Pass
				40	3.85	2.200	0.0006	-2.5 to 2.5	Pass
				50	3.85	-15.500	-0.0044	-2.5 to 2.5	Pass
256QAM	3460	100	0	20	3.27	-3.100	-0.0009	-2.5 to 2.5	Pass
					3.85	4.100	0.0012	-2.5 to 2.5	Pass
					4.43	1.100	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-3.000	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.700	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				0	3.85	-2.100	-0.0006	-2.5 to 2.5	Pass
				10	3.85	1.200	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.900	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-4.400	-0.0013	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	-0.700	-0.0002	-2.5 to 2.5	Pass
					3.85	-2.700	-0.0008	-2.5 to 2.5	Pass
					4.43	-4.600	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.500	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.600	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.400	0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.700	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-3.500	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.100	0.0000	-2.5 to 2.5	Pass

				40	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-3.200	-0.0009	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	-2.600	-0.0007	-2.5 to 2.5	Pass
					3.85	2.000	0.0006	-2.5 to 2.5	Pass
					4.43	-2.500	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-2.500	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-0.700	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.800	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.800	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.700	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.000	0.0000	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

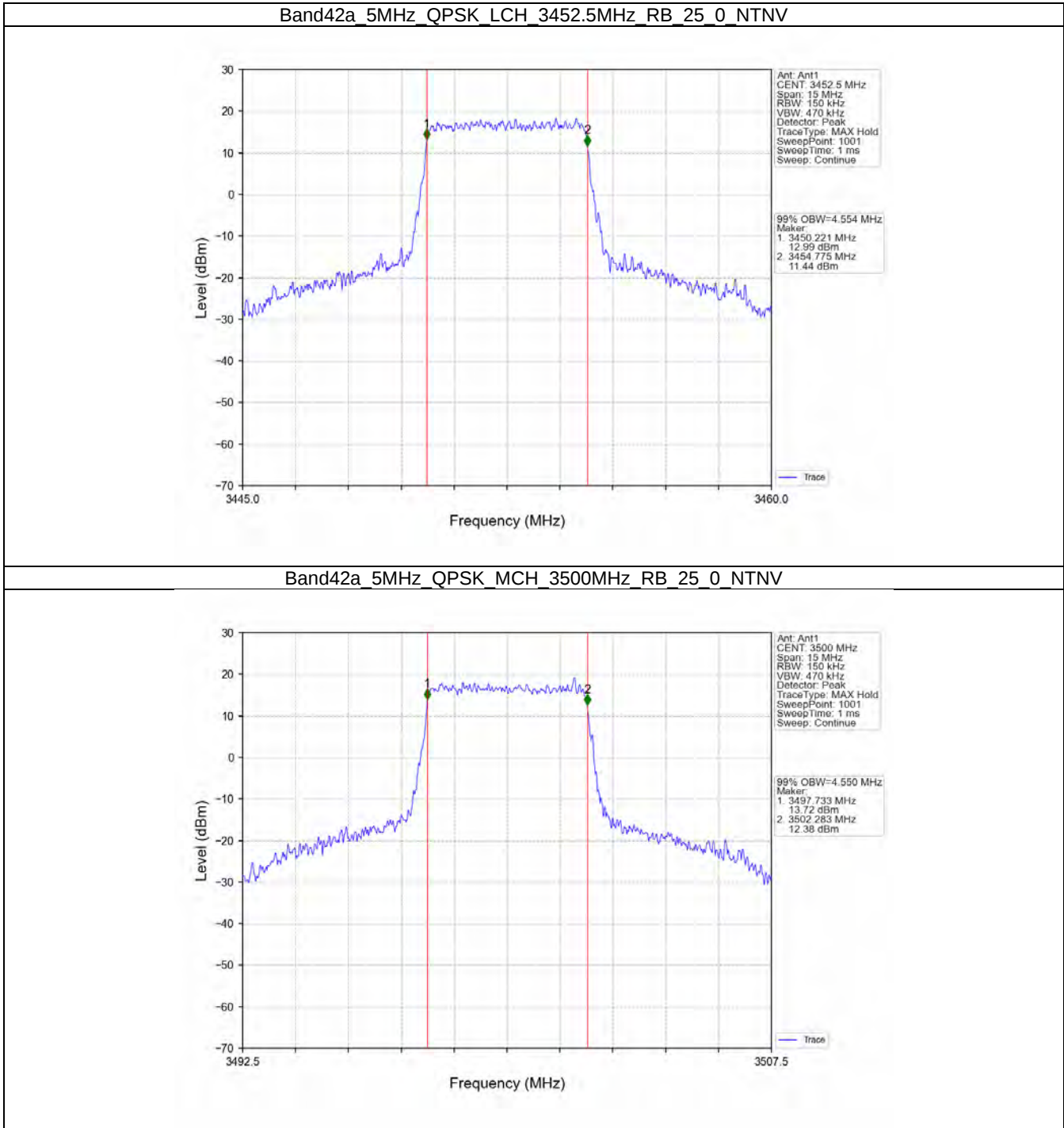
3.1 Band42a_OBW

3.1.1 Test Result

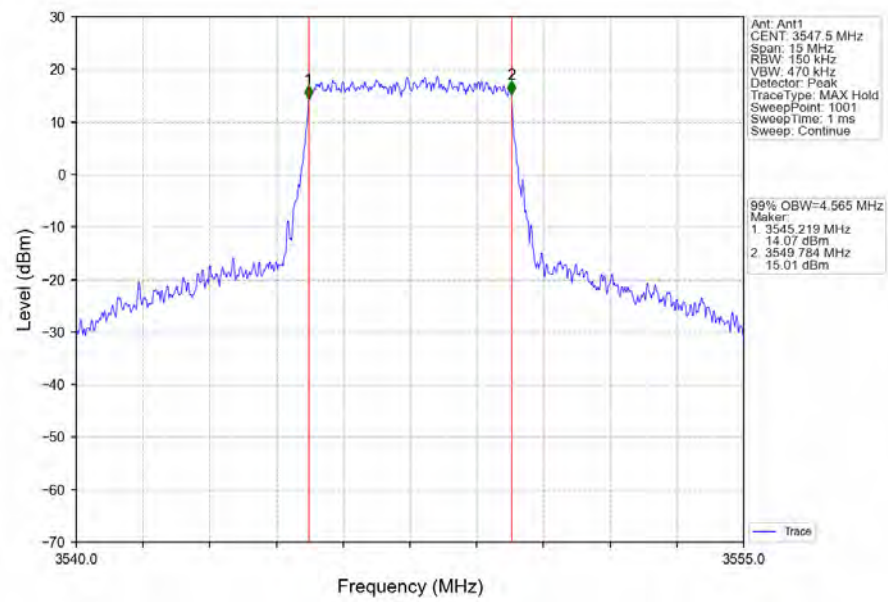
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	4.554	/	Pass
		3500	25	0	4.550	/	Pass
		3547.5	25	0	4.565	/	Pass
	16QAM	3452.5	25	0	4.569	/	Pass
		3500	25	0	4.547	/	Pass
		3547.5	25	0	4.528	/	Pass
	64QAM	3452.5	25	0	4.554	/	Pass
		3500	25	0	4.556	/	Pass
		3547.5	25	0	4.558	/	Pass
	256QAM	3452.5	25	0	4.544	/	Pass
		3500	25	0	4.550	/	Pass
		3547.5	25	0	4.544	/	Pass
10	QPSK	3455	50	0	9.066	/	Pass
		3500	50	0	9.061	/	Pass
		3545	50	0	9.070	/	Pass
	16QAM	3455	50	0	9.086	/	Pass
		3500	50	0	9.073	/	Pass
		3545	50	0	9.080	/	Pass
	64QAM	3455	50	0	9.065	/	Pass
		3500	50	0	9.092	/	Pass
		3545	50	0	9.071	/	Pass
	256QAM	3455	50	0	9.063	/	Pass
		3500	50	0	9.066	/	Pass
		3545	50	0	9.083	/	Pass
15	QPSK	3457.5	75	0	13.613	/	Pass
		3500	75	0	13.595	/	Pass
		3542.5	75	0	13.644	/	Pass
	16QAM	3457.5	75	0	13.588	/	Pass
		3500	75	0	13.612	/	Pass
		3542.5	75	0	13.644	/	Pass
	64QAM	3457.5	75	0	13.591	/	Pass

	256QAM	3500	75	0	13.584	/	Pass
		3542.5	75	0	13.638	/	Pass
		3457.5	75	0	13.635	/	Pass
		3500	75	0	13.604	/	Pass
		3542.5	75	0	13.581	/	Pass
20	QPSK	3460	100	0	18.040	/	Pass
		3500	100	0	18.090	/	Pass
		3540	100	0	18.083	/	Pass
	16QAM	3460	100	0	18.061	/	Pass
		3500	100	0	18.116	/	Pass
		3540	100	0	18.075	/	Pass
	64QAM	3460	100	0	18.100	/	Pass
		3500	100	0	18.040	/	Pass
		3540	100	0	18.088	/	Pass
	256QAM	3460	100	0	18.100	/	Pass
		3500	100	0	18.091	/	Pass
		3540	100	0	17.852	/	Pass

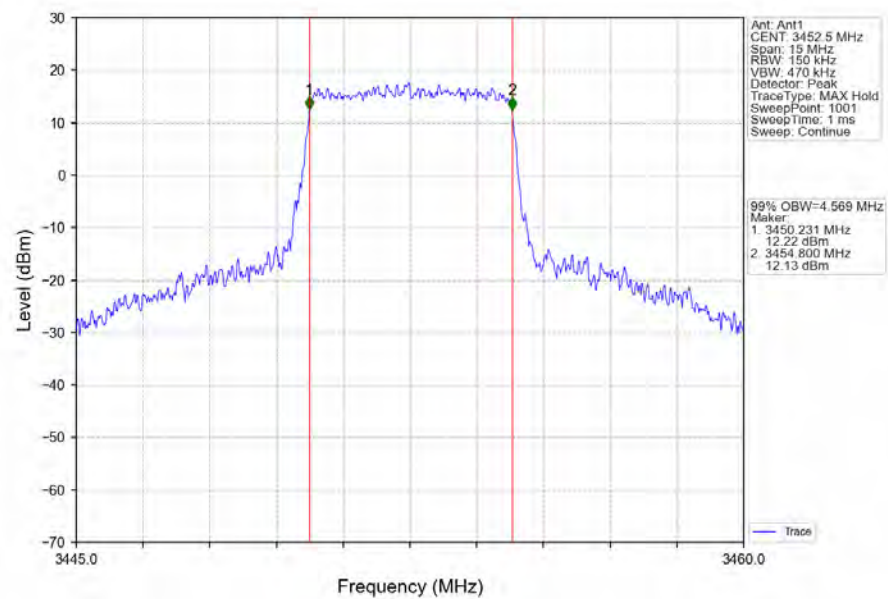
3.1.2 Test Graph



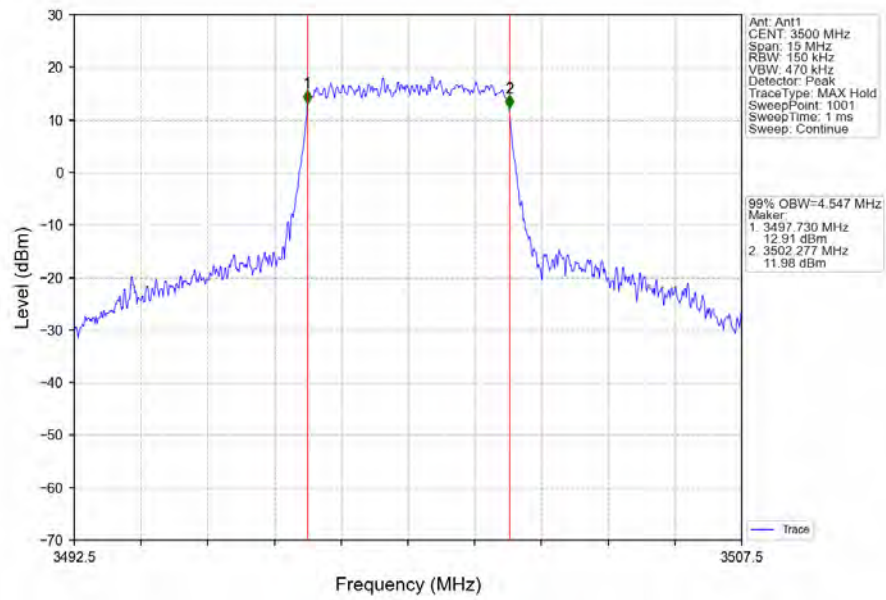
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



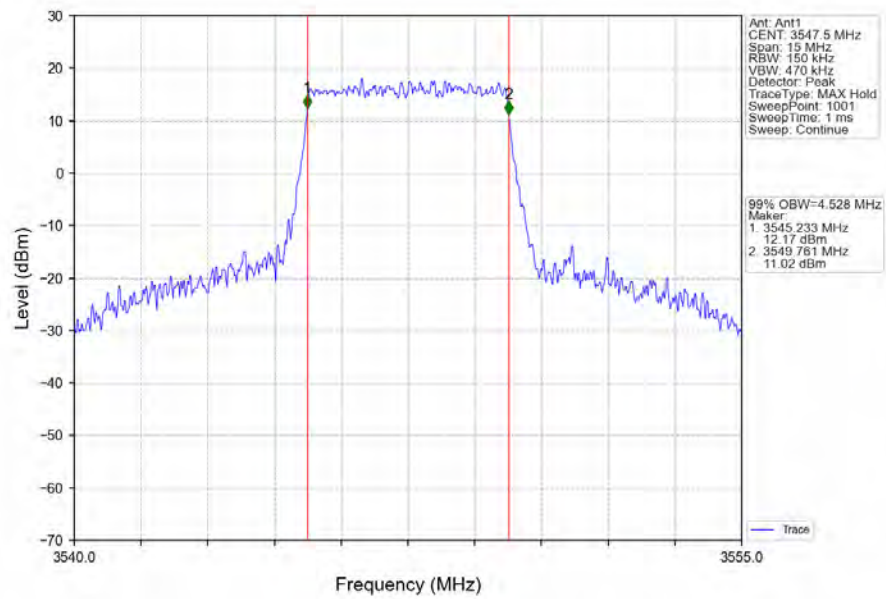
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



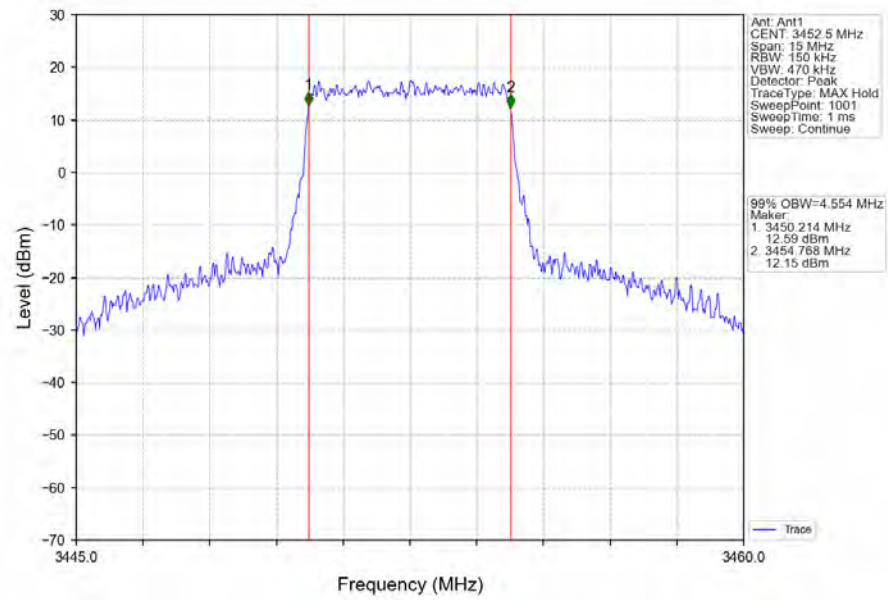
Band42a 5MHz 16QAM MCH 3500MHz RB 25 0 NTNV



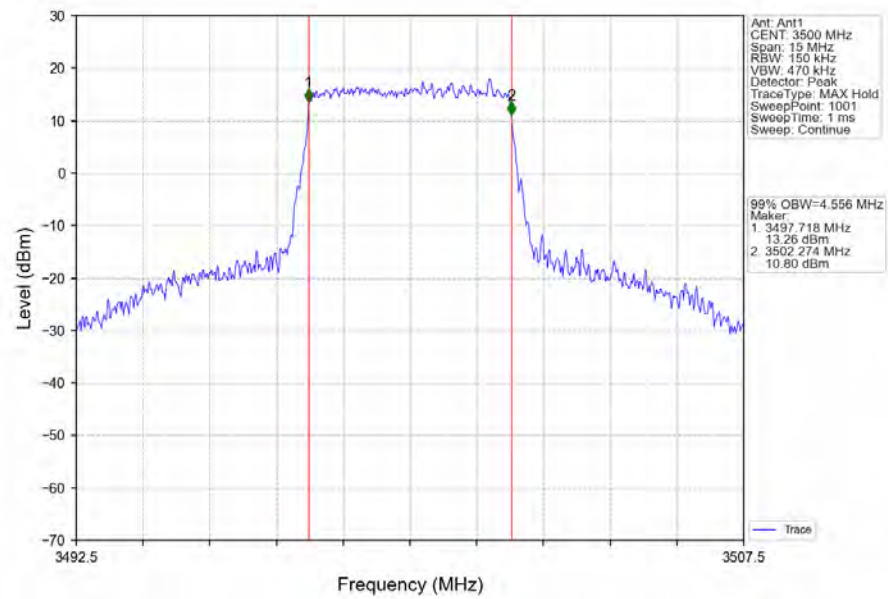
Band42a 5MHz 16QAM HCH 3547.5MHz RB 25 0 NTNV



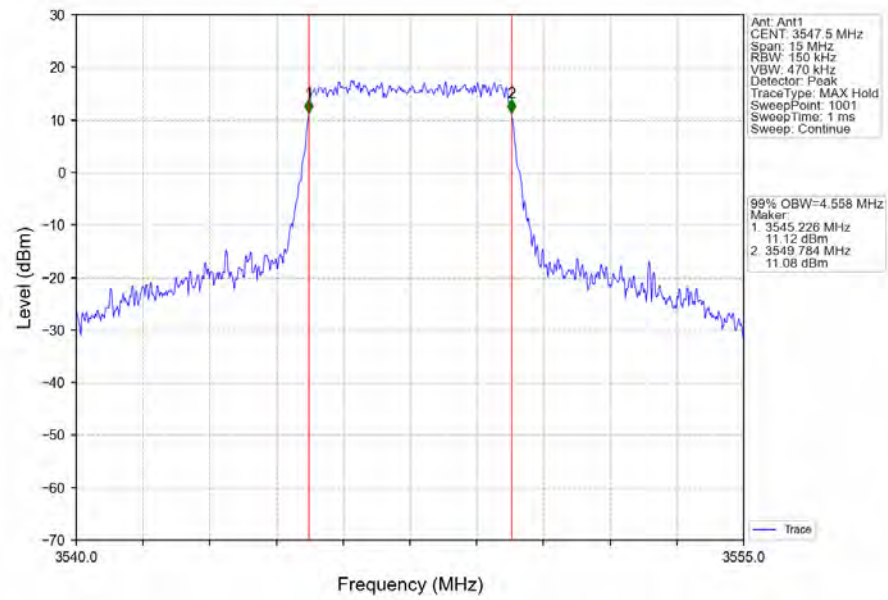
Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV



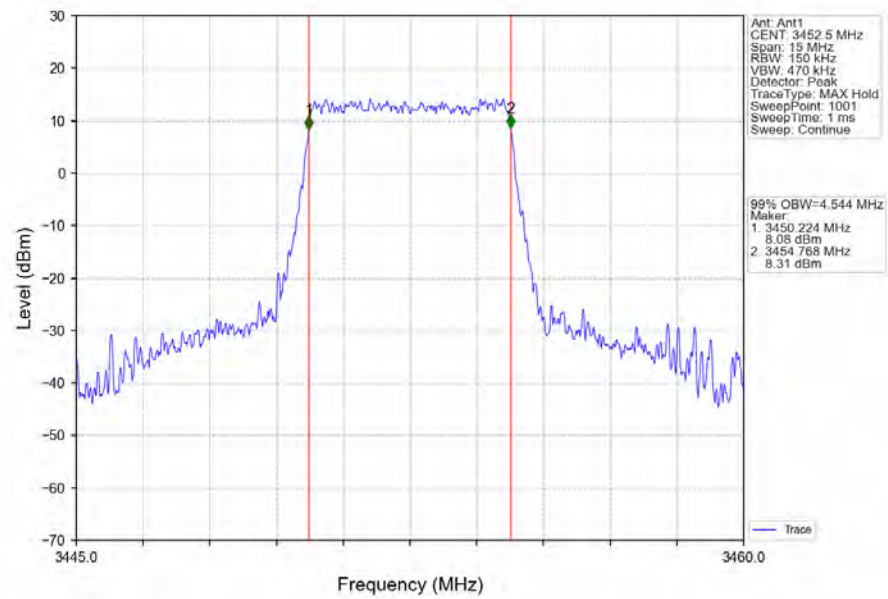
Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



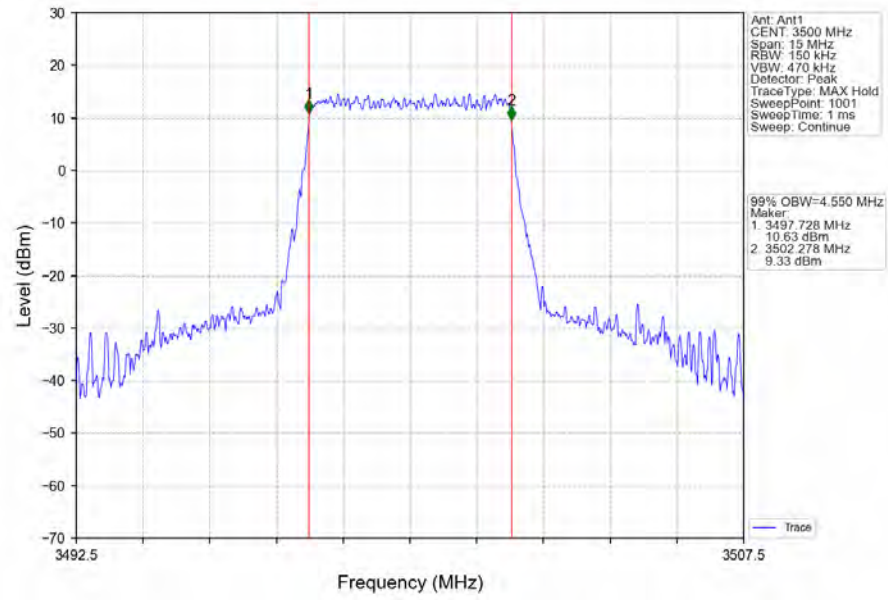
Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



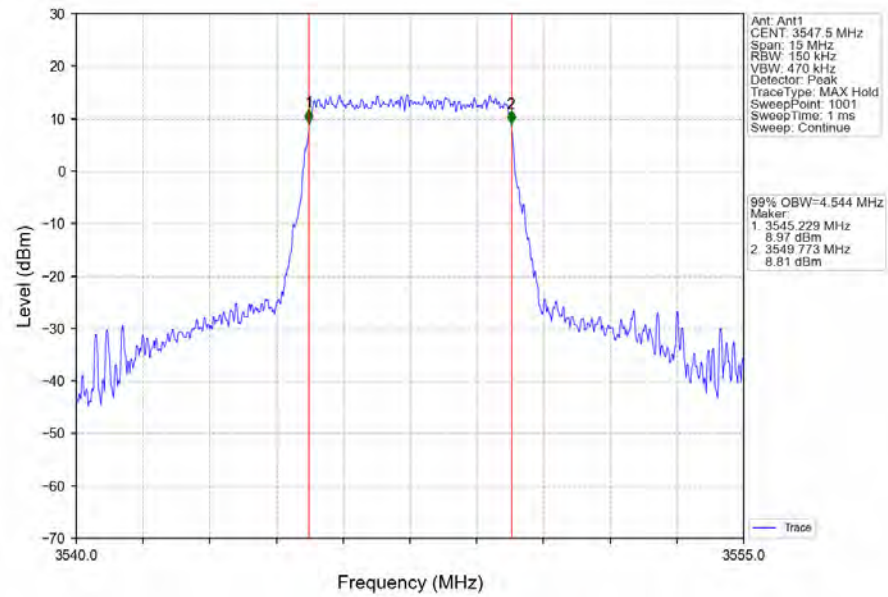
Band42a_5MHz_256QAM_LCH_3452.5MHz_RB_25_0_NTNV



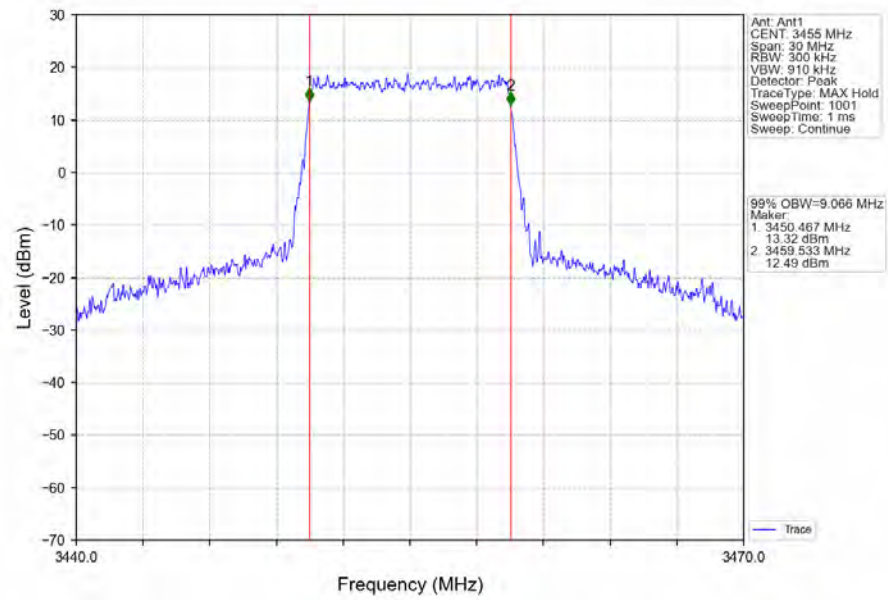
Band42a_5MHz_256QAM_MCH_3500MHz_RB_25_0_NTNV



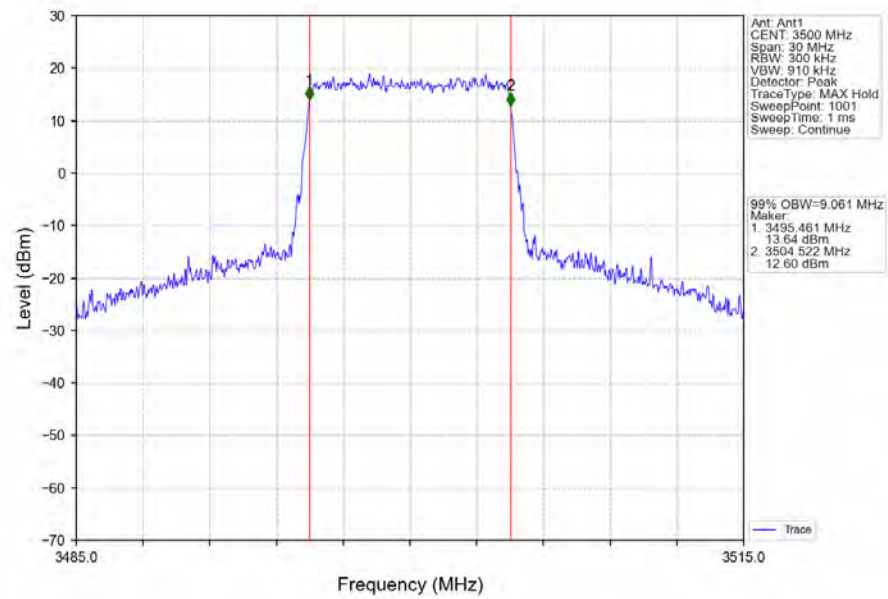
Band42a_5MHz_256QAM_HCH_3547.5MHz_RB_25_0_NTNV



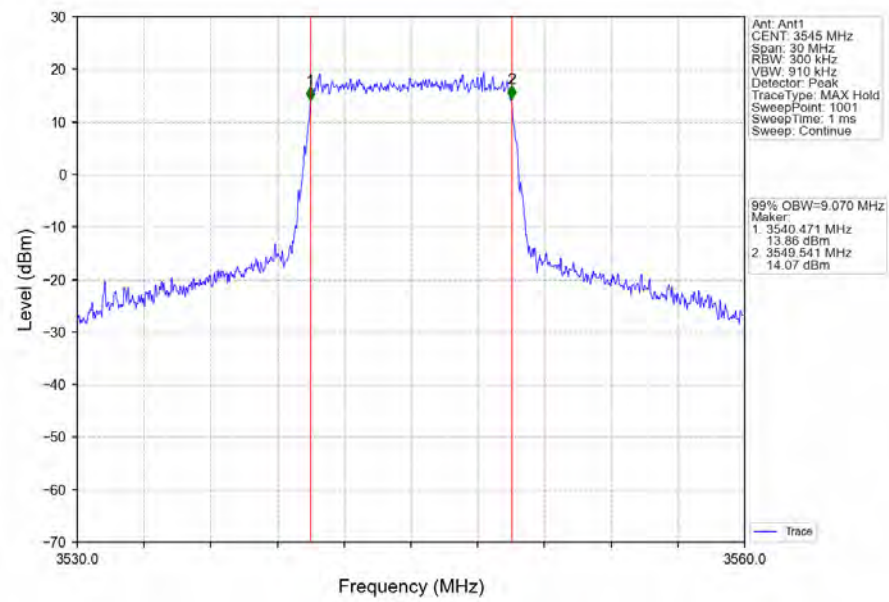
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



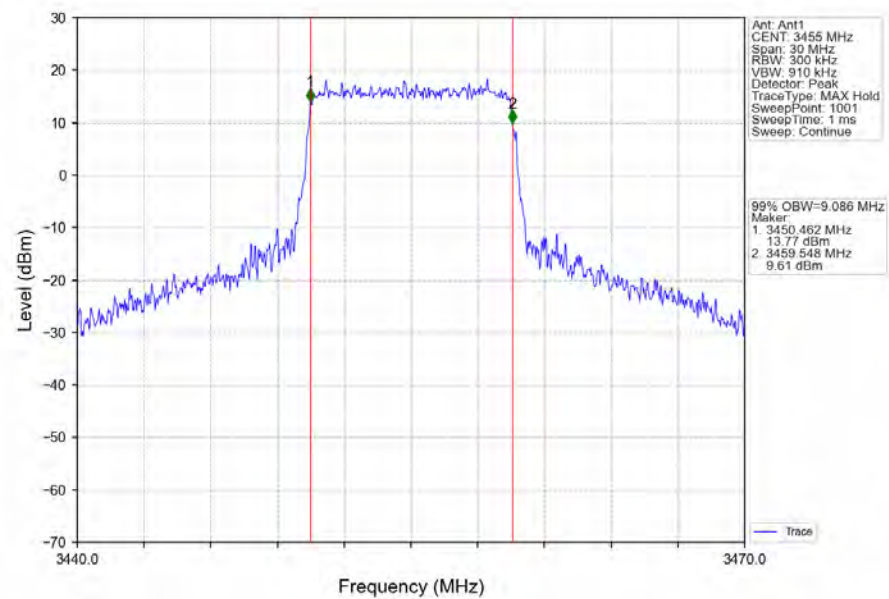
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



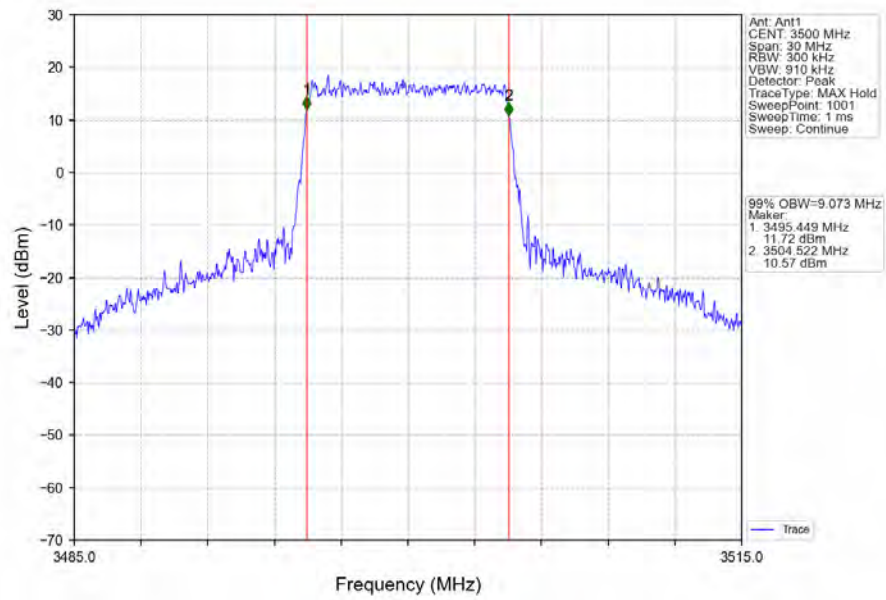
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



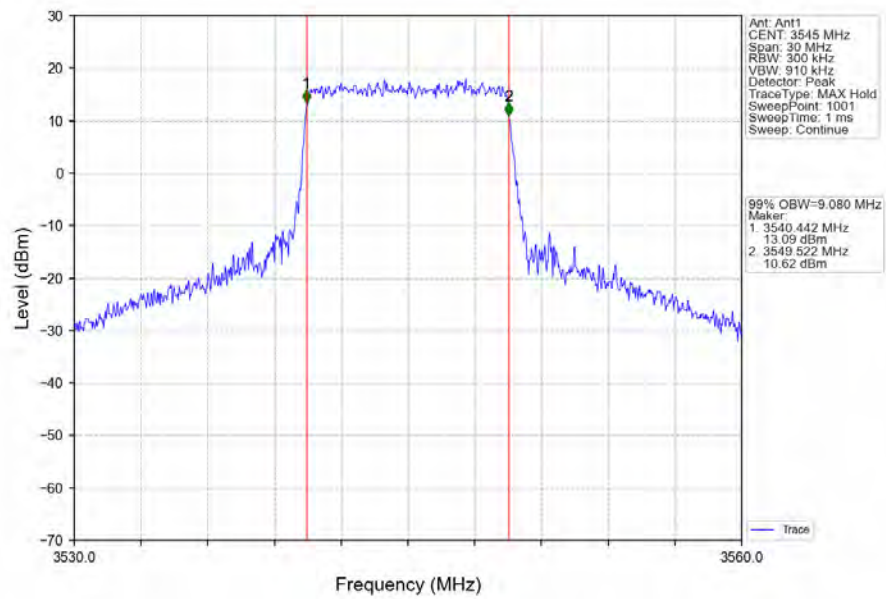
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



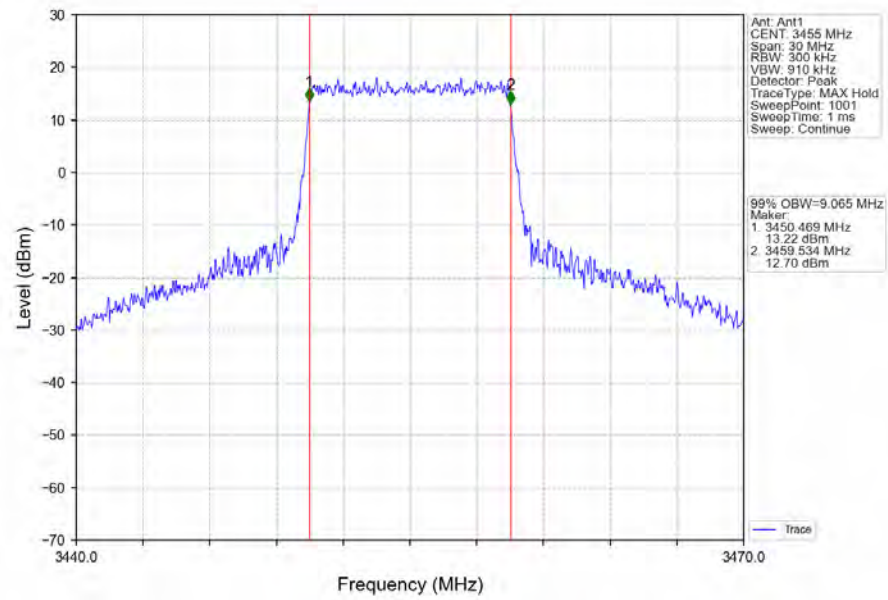
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



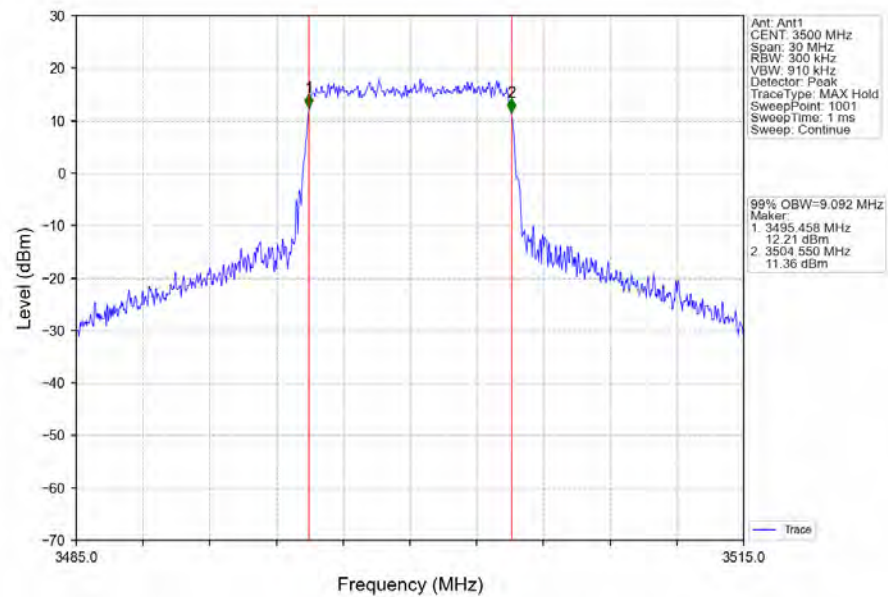
Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



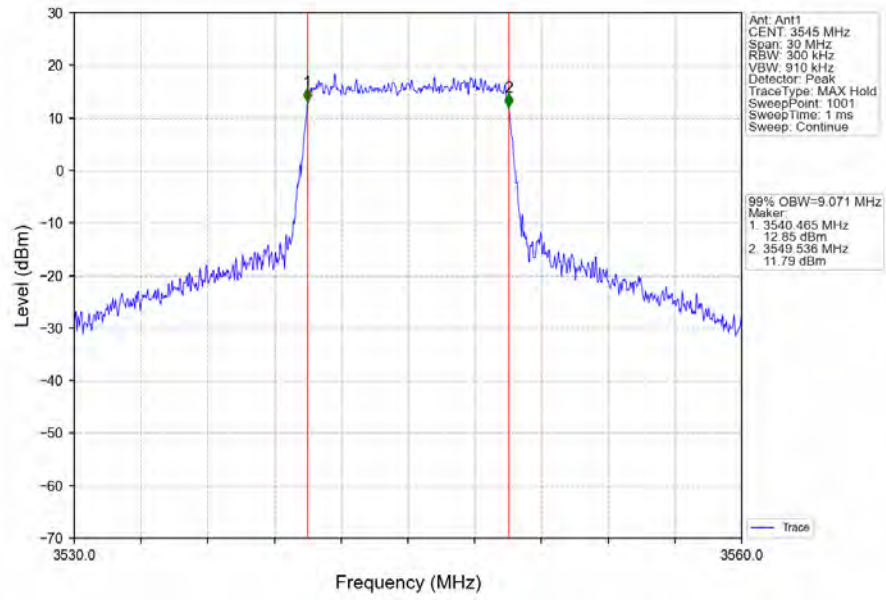
Band42a_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV



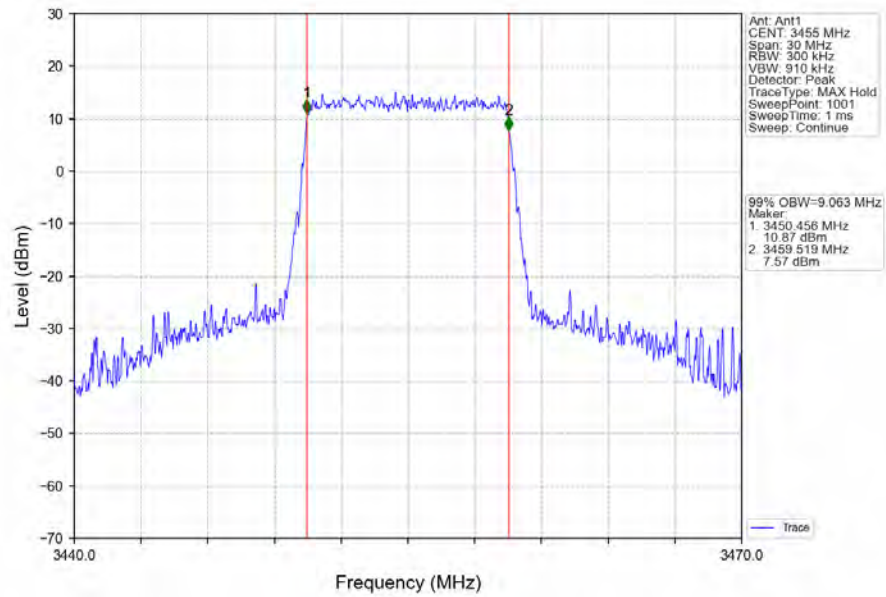
Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



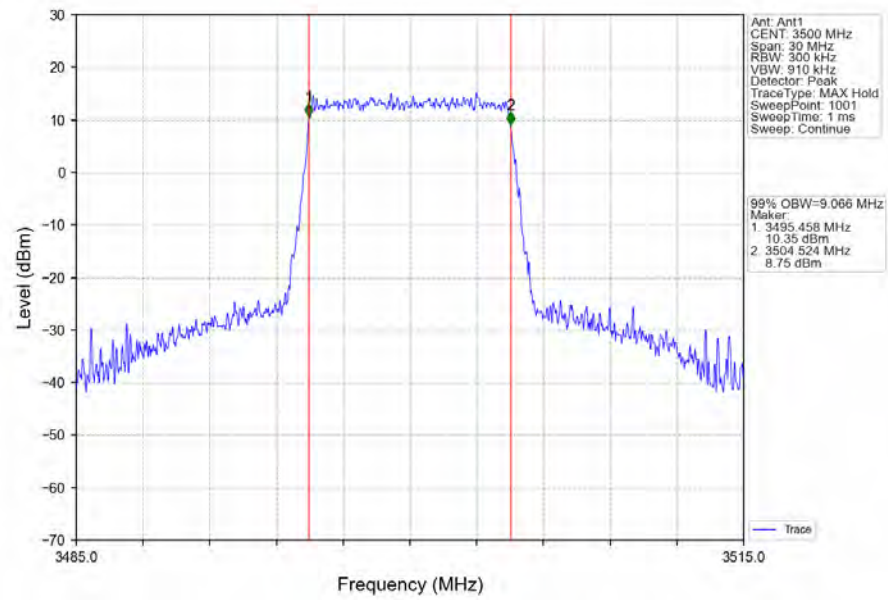
Band42a_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



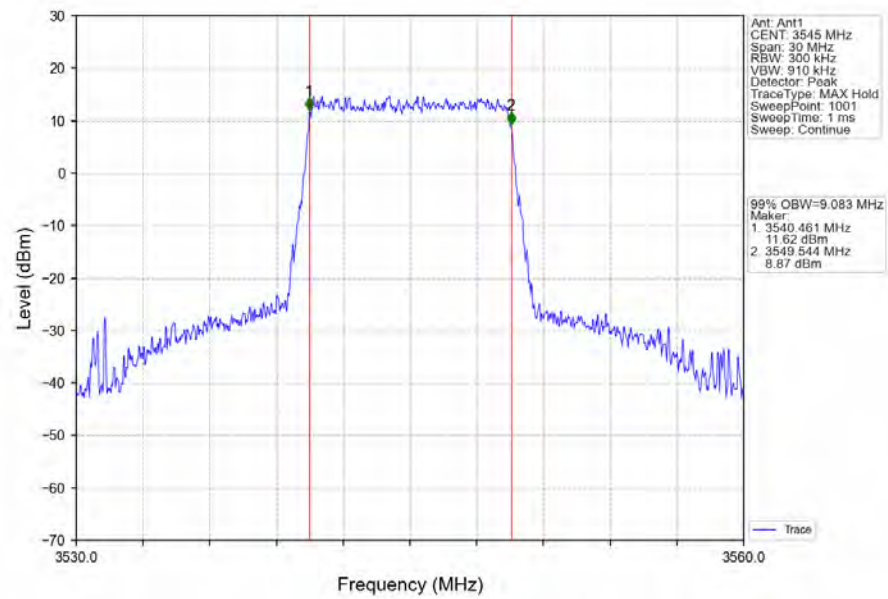
Band42a_10MHz_256QAM_LCH_3455MHz_RB_50_0_NTNV



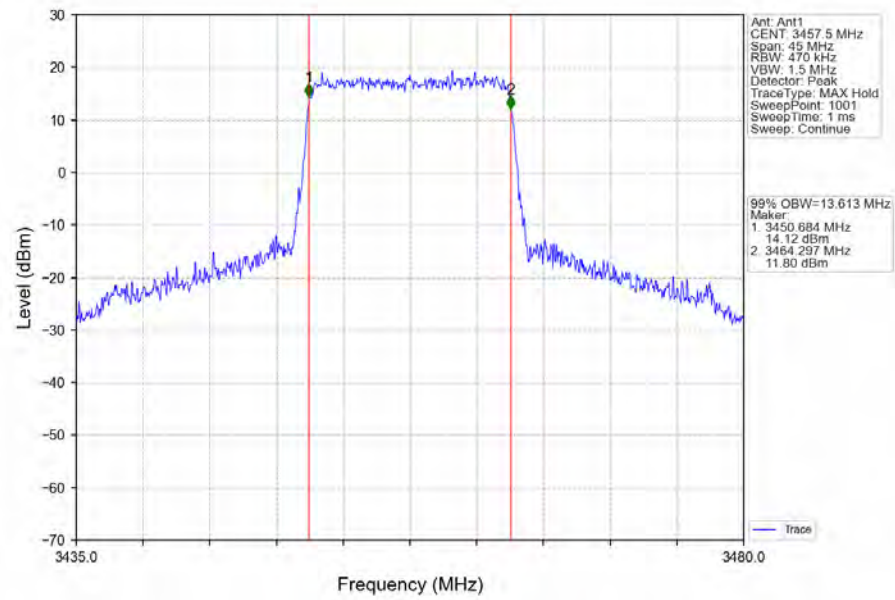
Band42a_10MHz_256QAM_MCH_3500MHz_RB_50_0_NTNV



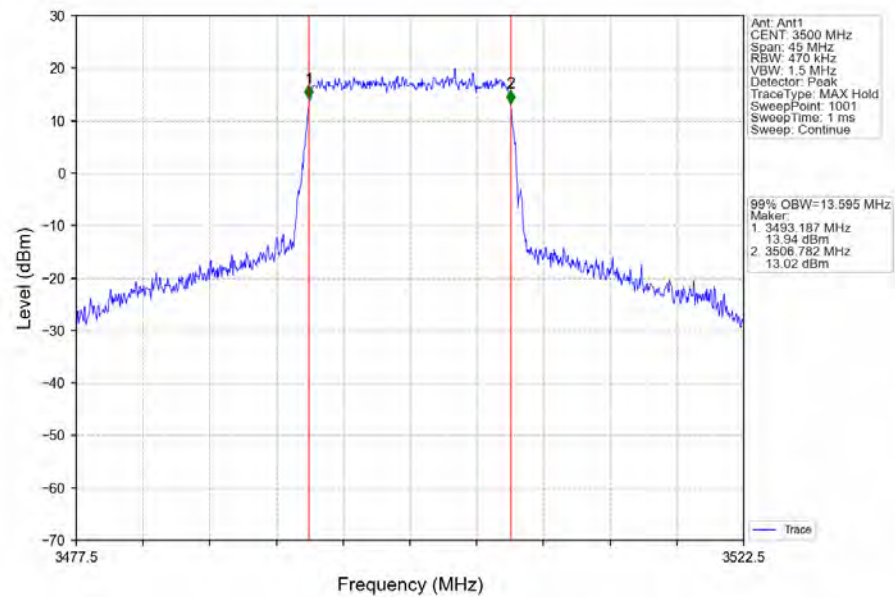
Band42a_10MHz_256QAM_HCH_3545MHz_RB_50_0_NTNV



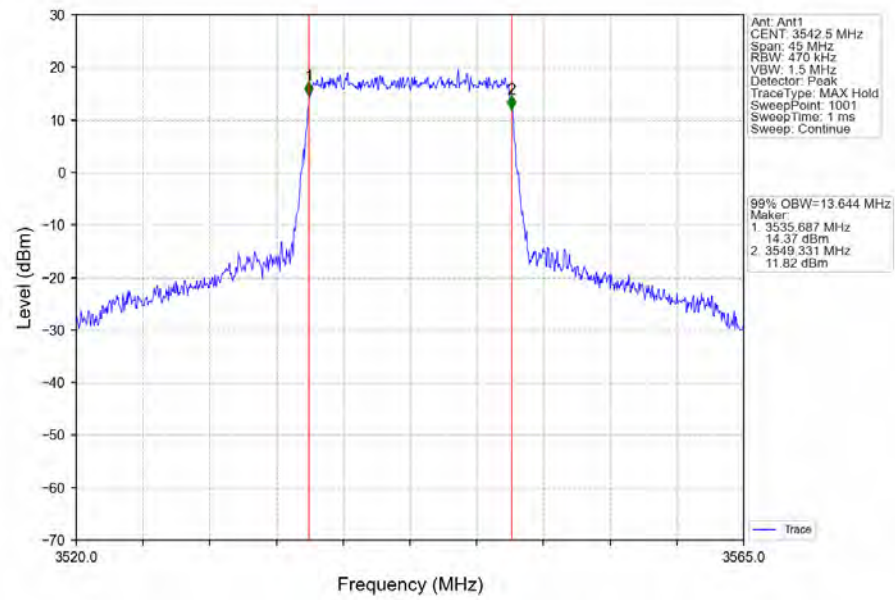
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



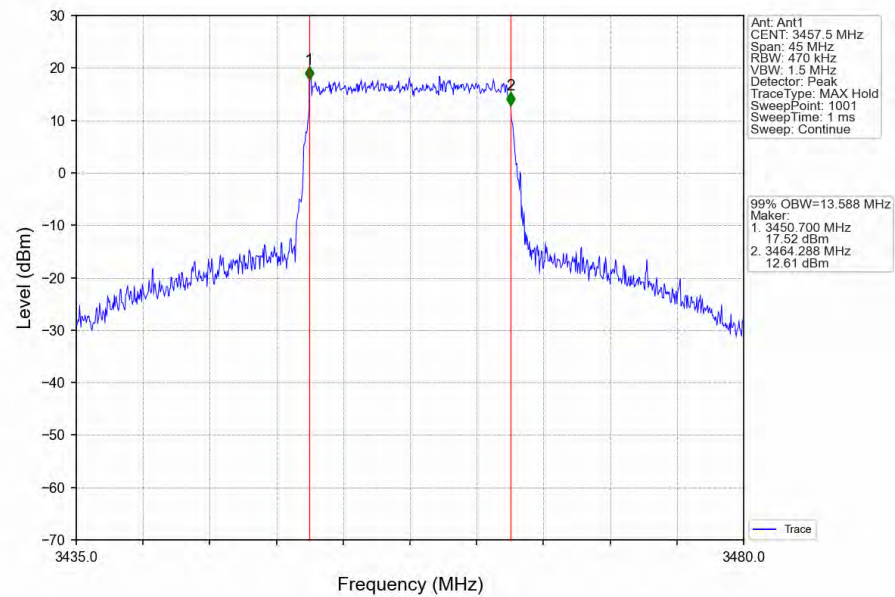
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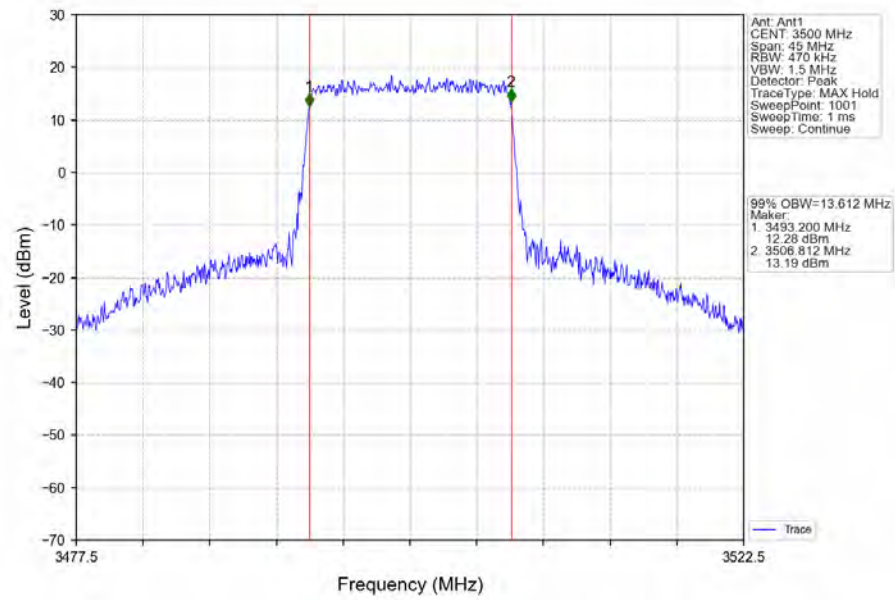
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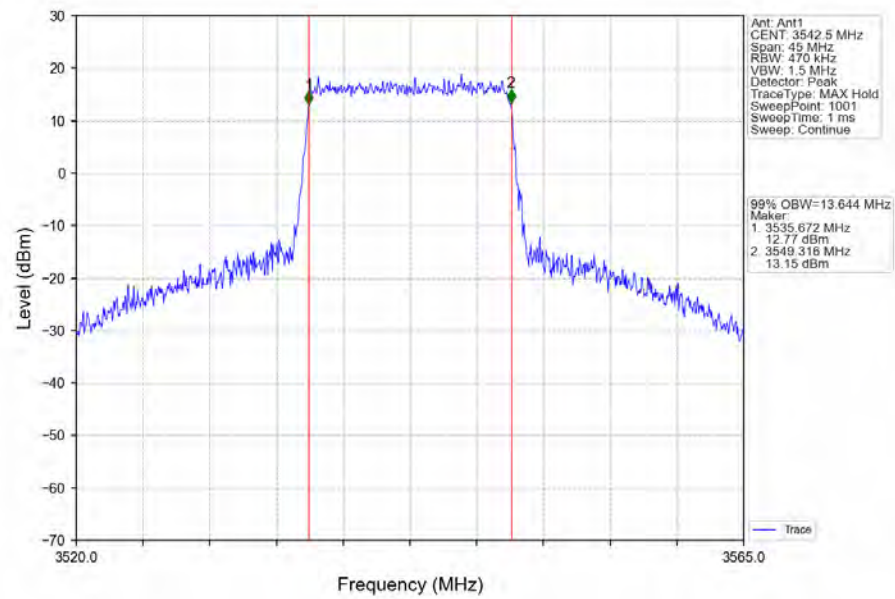
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



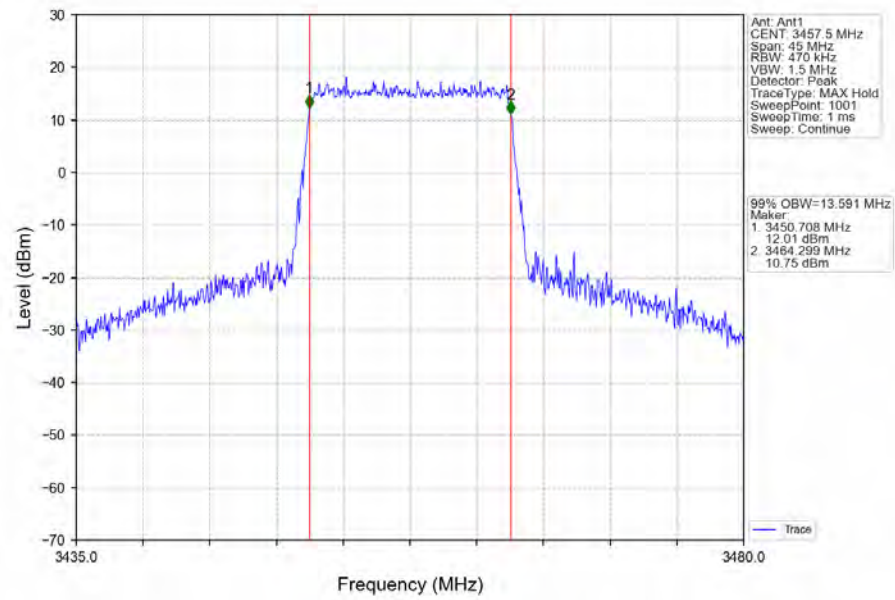
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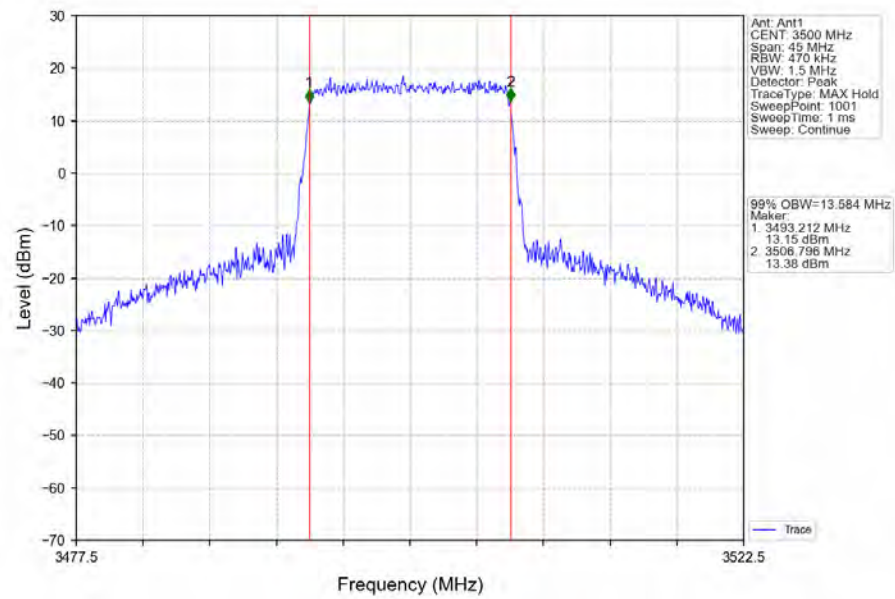
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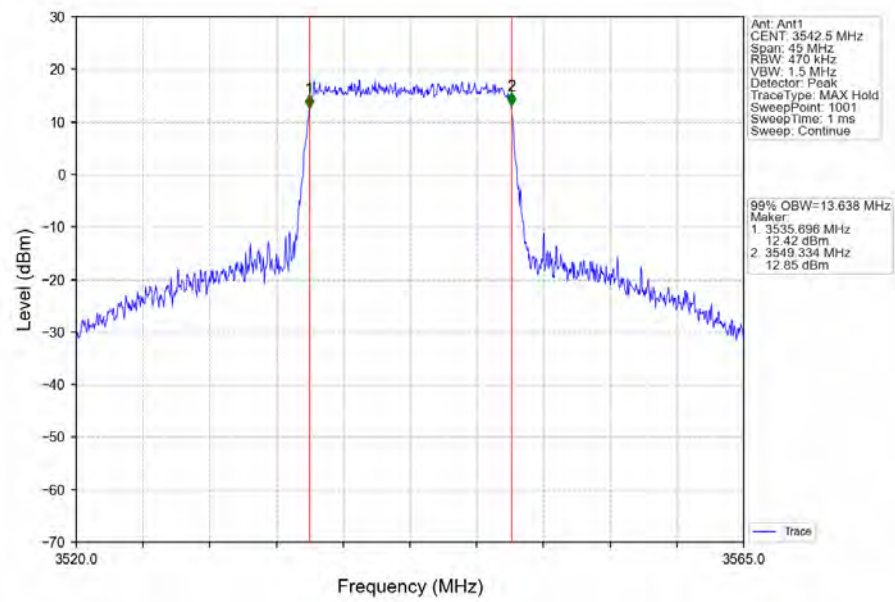
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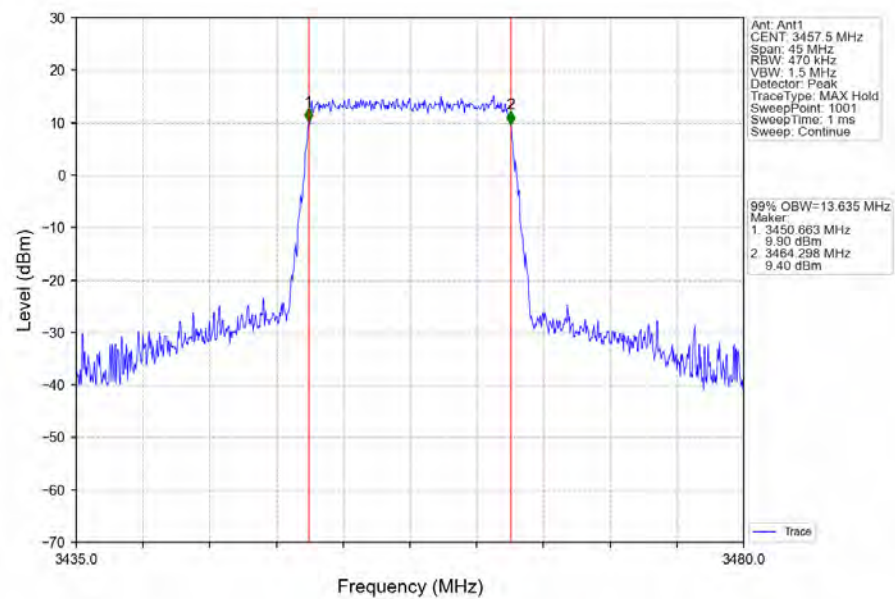
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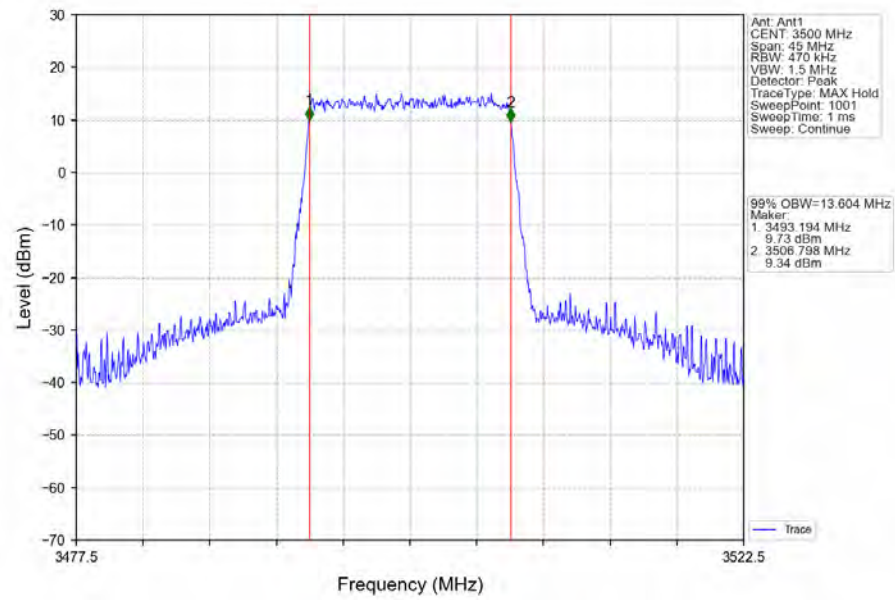
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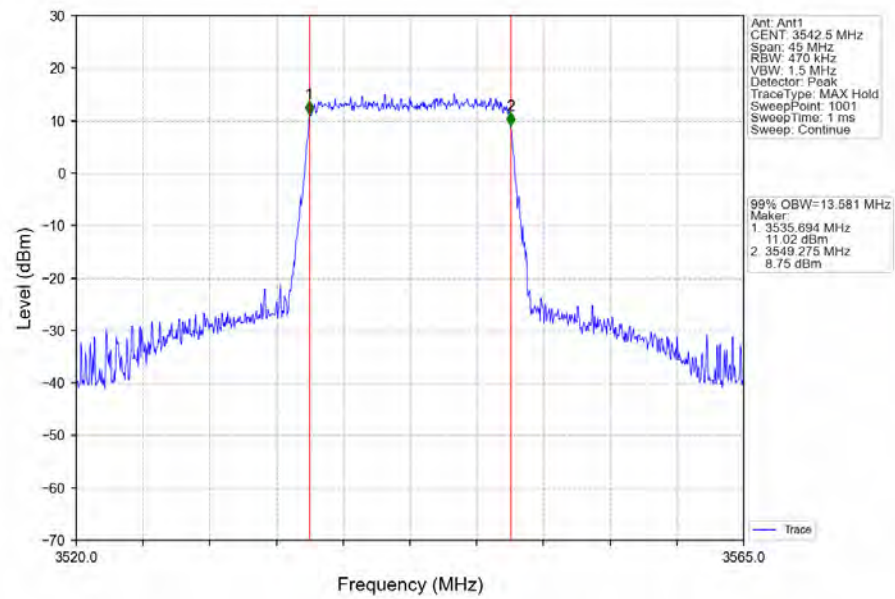
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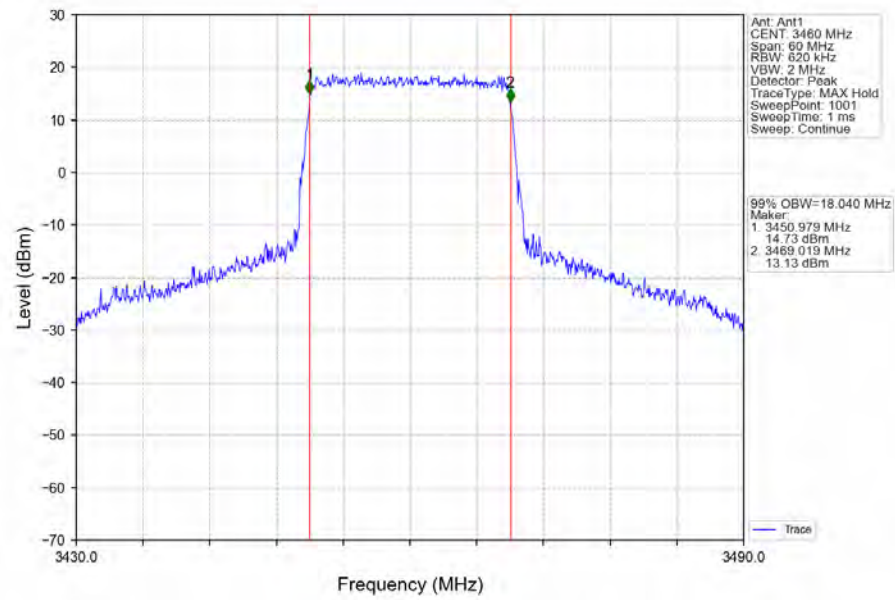
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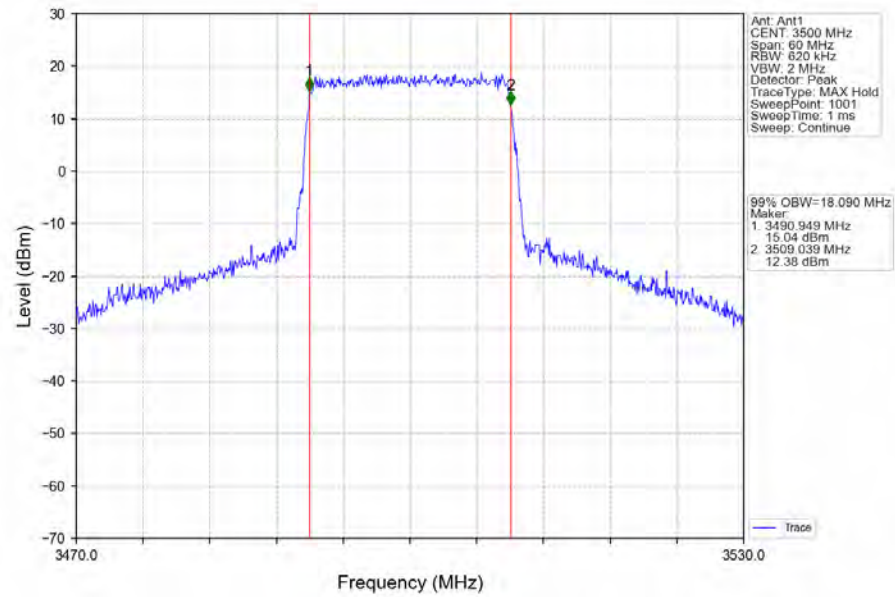
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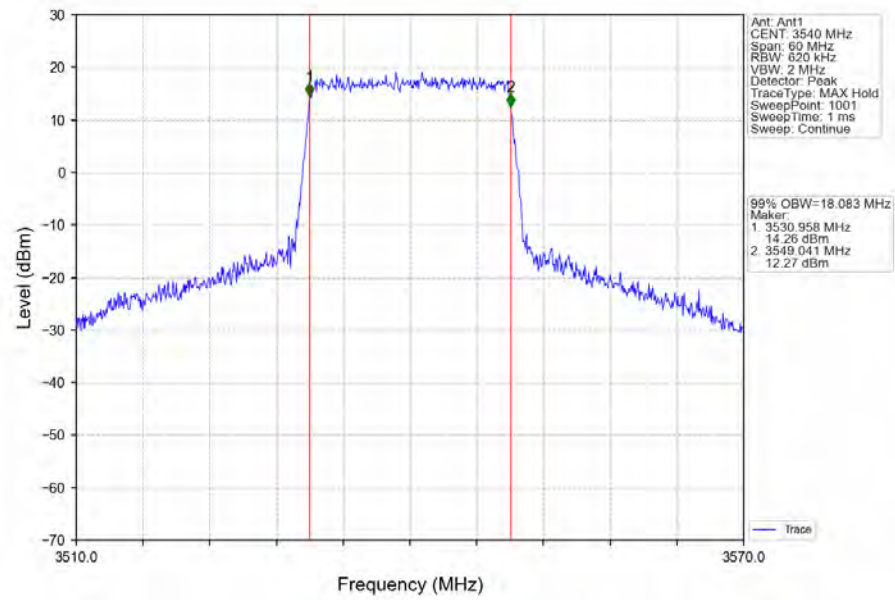
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



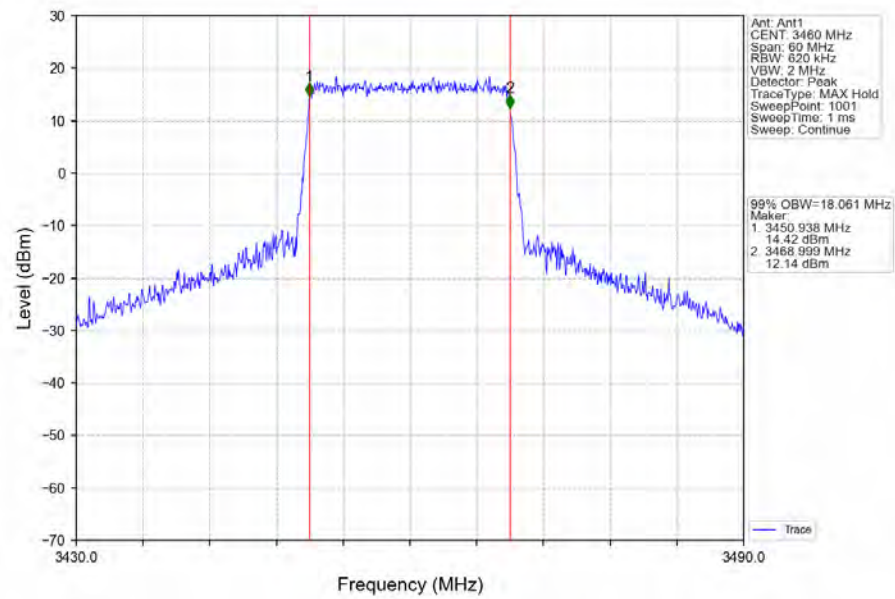
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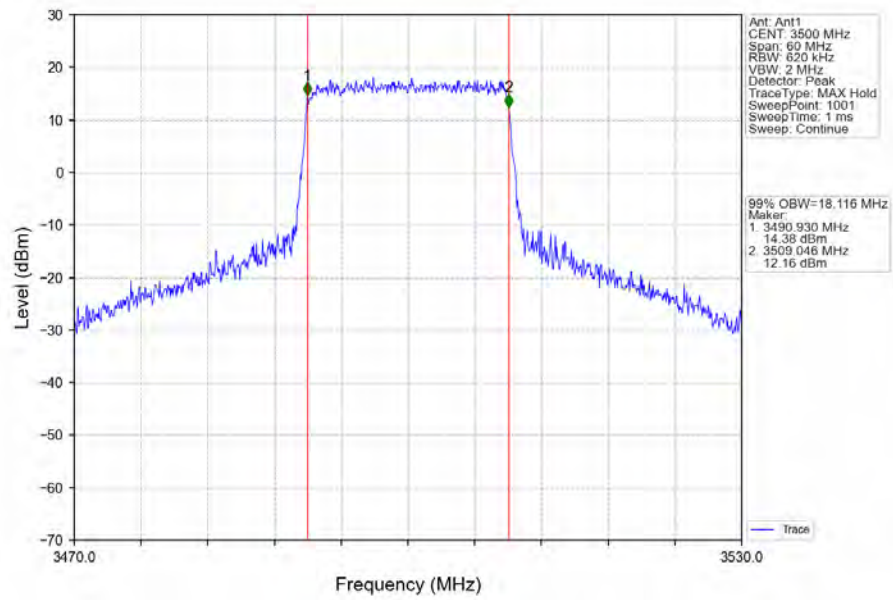
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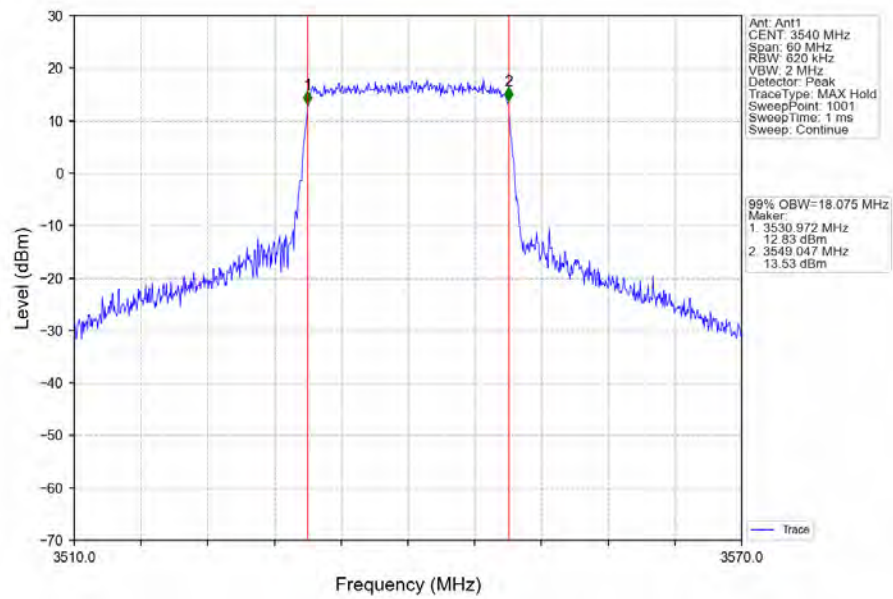
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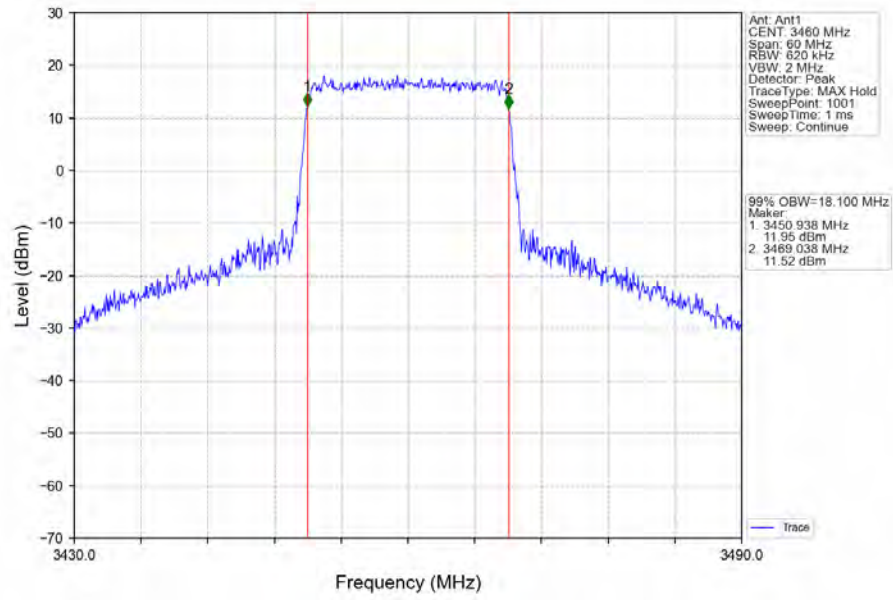
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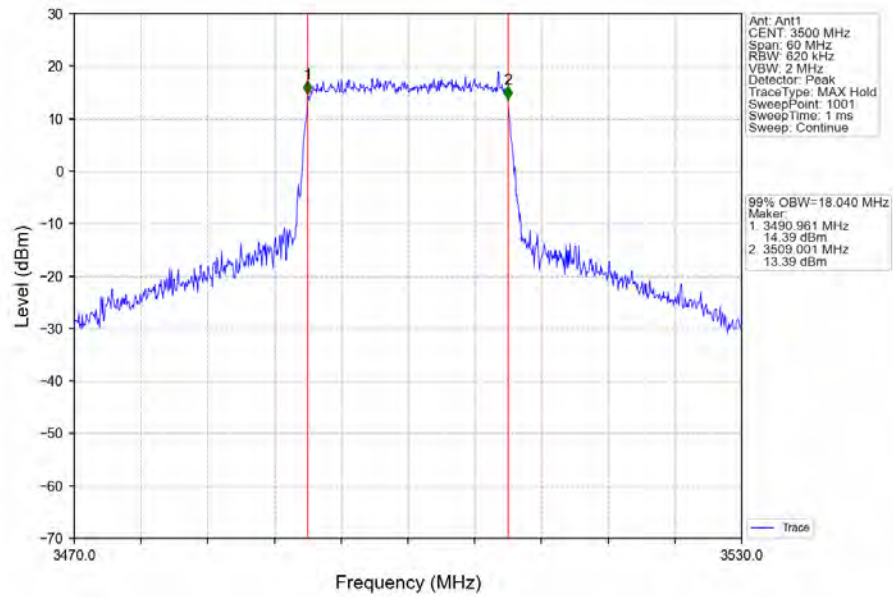
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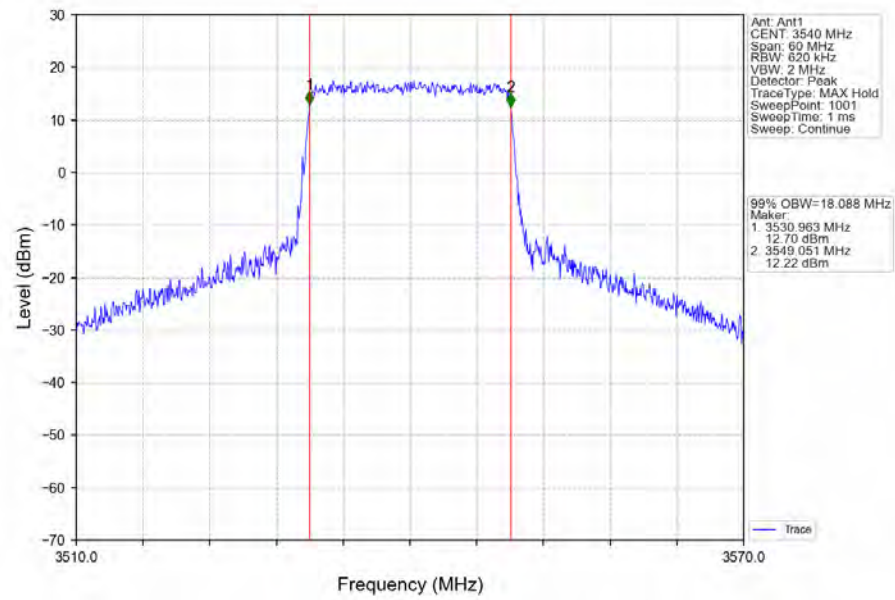
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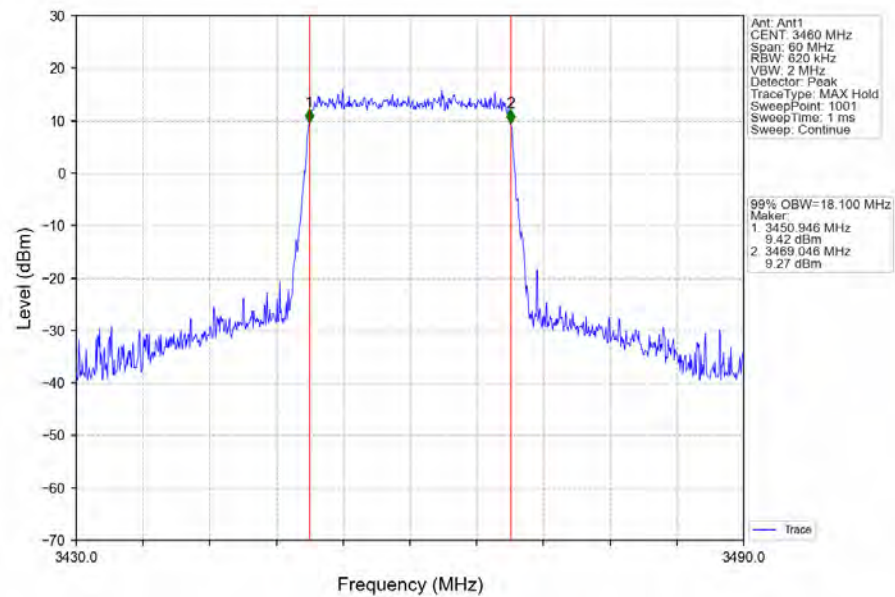
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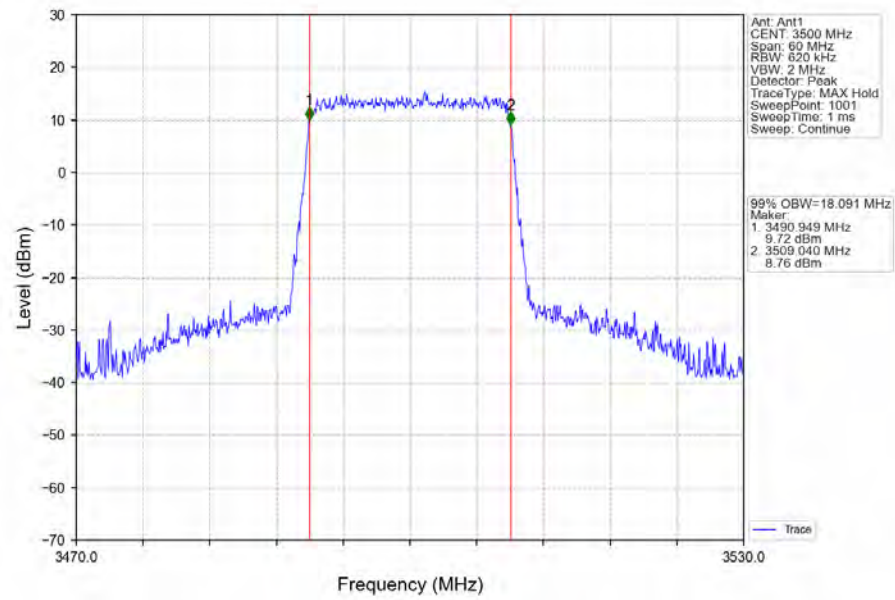
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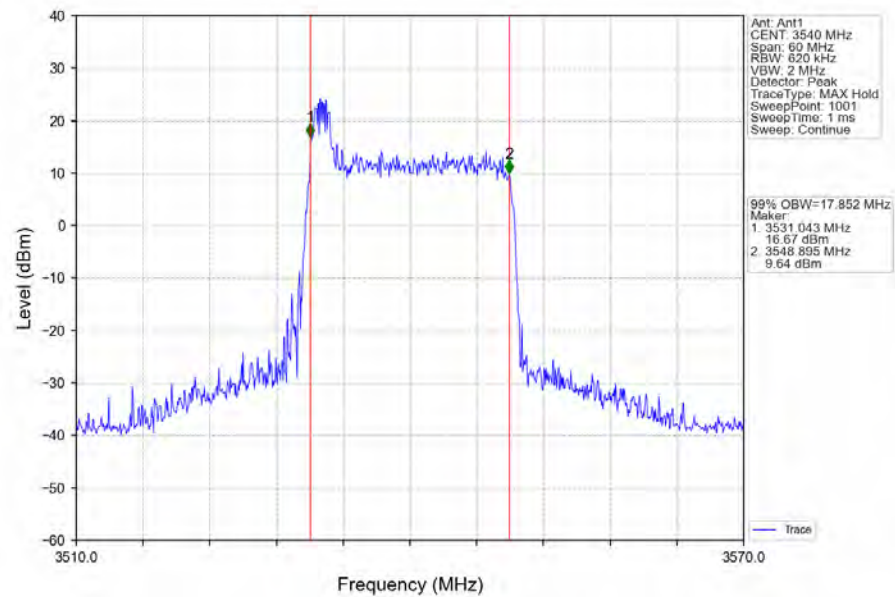
Band42a_20MHz_256QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_256QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_256QAM_HCH_3540MHz_RB_100_0_NTNV

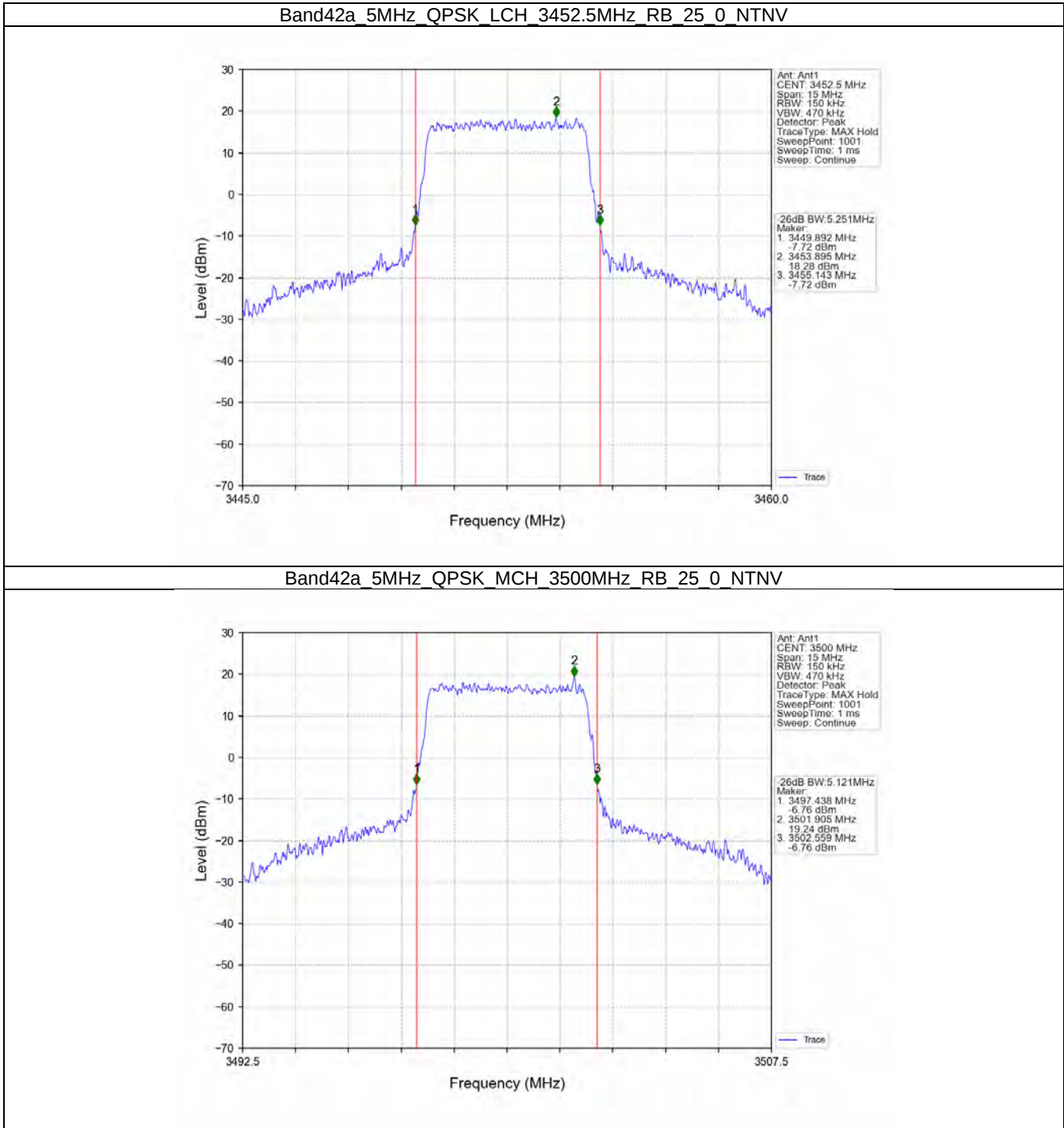


3.2 Band42a_XDB

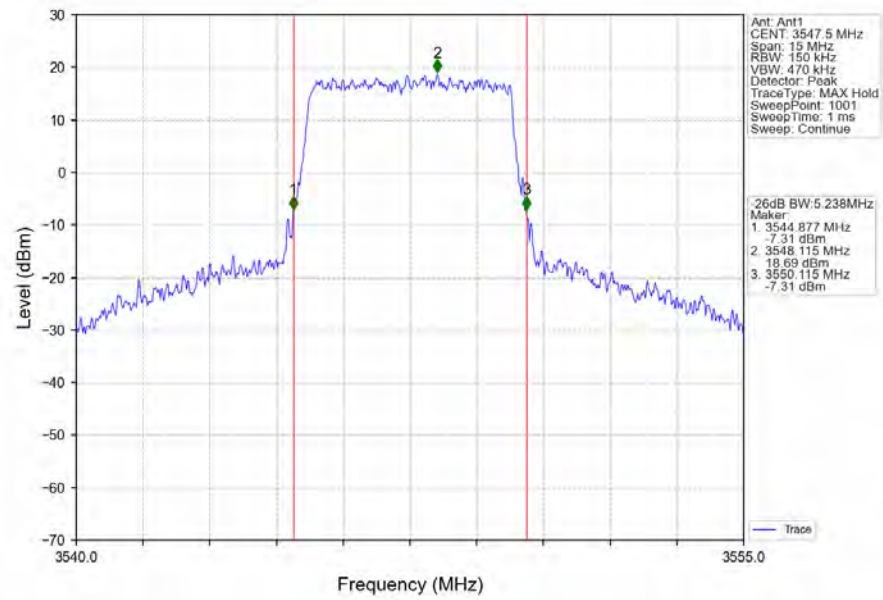
3.2.1 Test Result

Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	5.251	/	Pass
		3500	25	0	5.121	/	Pass
		3547.5	25	0	5.238	/	Pass
	16QAM	3452.5	25	0	5.234	/	Pass
		3500	25	0	5.158	/	Pass
		3547.5	25	0	5.212	/	Pass
	64QAM	3452.5	25	0	5.252	/	Pass
		3500	25	0	5.193	/	Pass
		3547.5	25	0	5.223	/	Pass
	256QAM	3452.5	25	0	5.188	/	Pass
		3500	25	0	5.259	/	Pass
		3547.5	25	0	5.243	/	Pass
10	QPSK	3455	50	0	10.326	/	Pass
		3500	50	0	10.226	/	Pass
		3545	50	0	10.168	/	Pass
	16QAM	3455	50	0	10.152	/	Pass
		3500	50	0	10.107	/	Pass
		3545	50	0	10.132	/	Pass
	64QAM	3455	50	0	10.180	/	Pass
		3500	50	0	10.143	/	Pass
		3545	50	0	10.052	/	Pass
	256QAM	3455	50	0	10.117	/	Pass
		3500	50	0	10.110	/	Pass
		3545	50	0	10.189	/	Pass
15	QPSK	3457.5	75	0	15.104	/	Pass
		3500	75	0	15.203	/	Pass
		3542.5	75	0	14.986	/	Pass
	16QAM	3457.5	75	0	15.089	/	Pass
		3500	75	0	15.051	/	Pass
		3542.5	75	0	15.065	/	Pass
	64QAM	3457.5	75	0	15.166	/	Pass
		3500	75	0	15.100	/	Pass
		3542.5	75	0	15.104	/	Pass
	256QAM	3457.5	75	0	15.093	/	Pass
		3500	75	0	15.081	/	Pass
		3542.5	75	0	15.180	/	Pass
20	QPSK	3460	100	0	20.022	/	Pass
		3500	100	0	20.132	/	Pass
		3540	100	0	20.005	/	Pass
	16QAM	3460	100	0	19.941	/	Pass
		3500	100	0	20.106	/	Pass
		3540	100	0	20.122	/	Pass
	64QAM	3460	100	0	19.993	/	Pass
		3500	100	0	19.932	/	Pass
		3540	100	0	20.099	/	Pass
	256QAM	3460	100	0	19.783	/	Pass
		3500	100	0	20.032	/	Pass
		3540	100	0	18.916	/	Pass

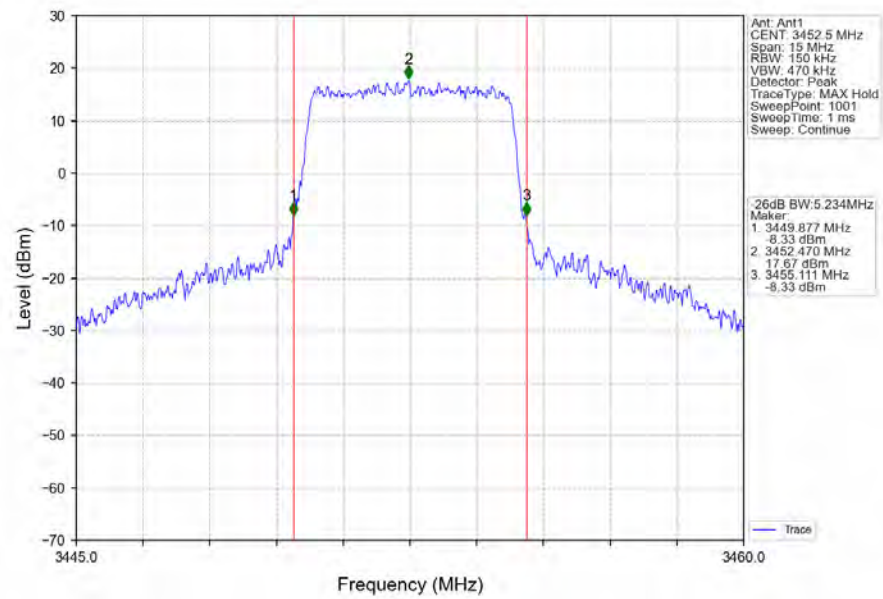
3.2.2 Test Graph



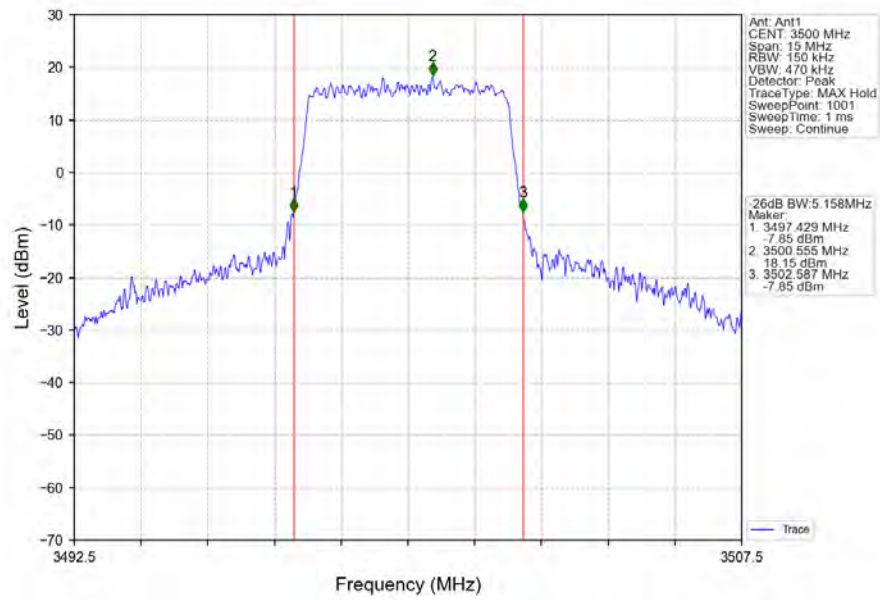
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



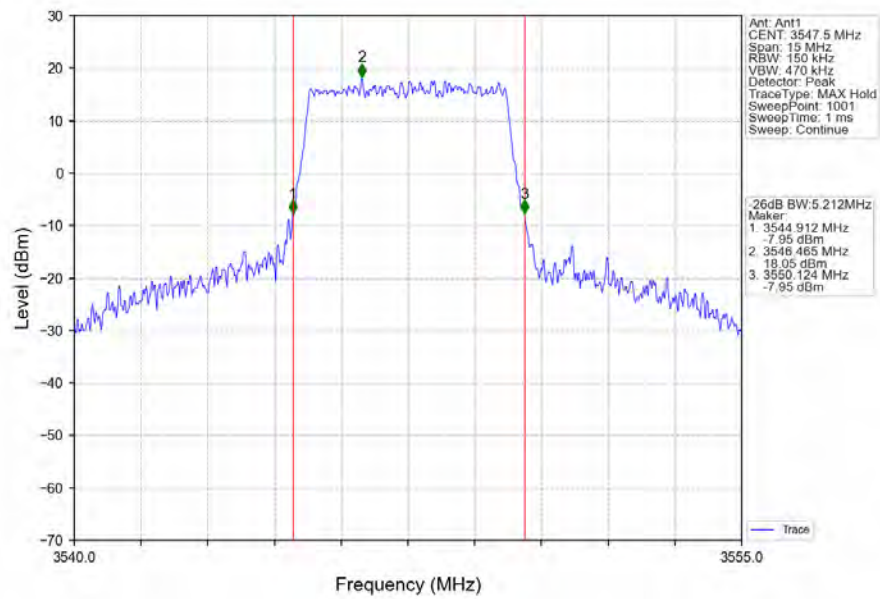
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



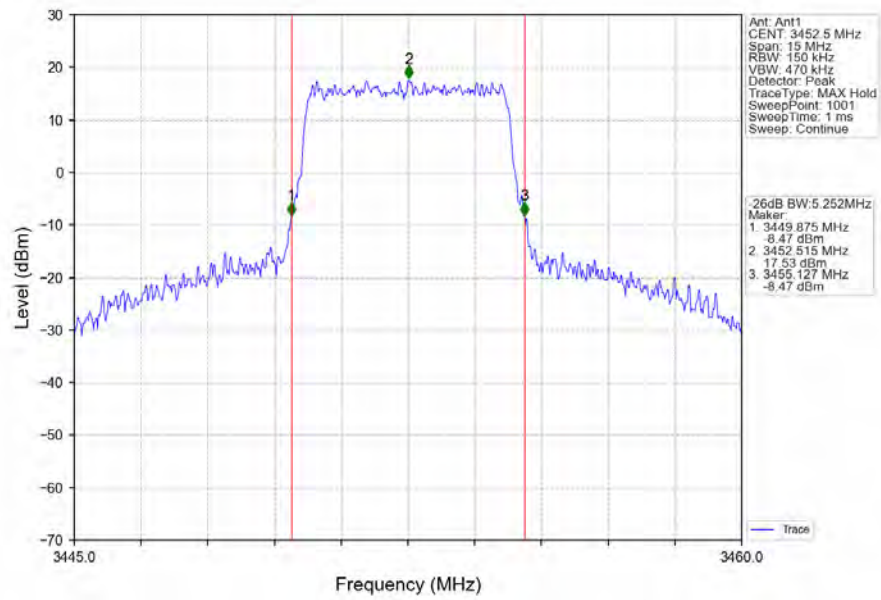
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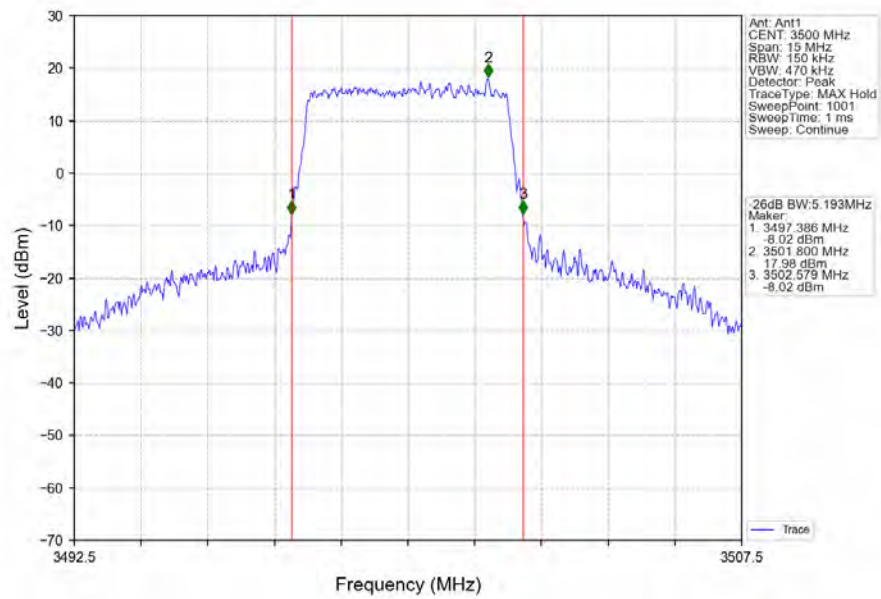
Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



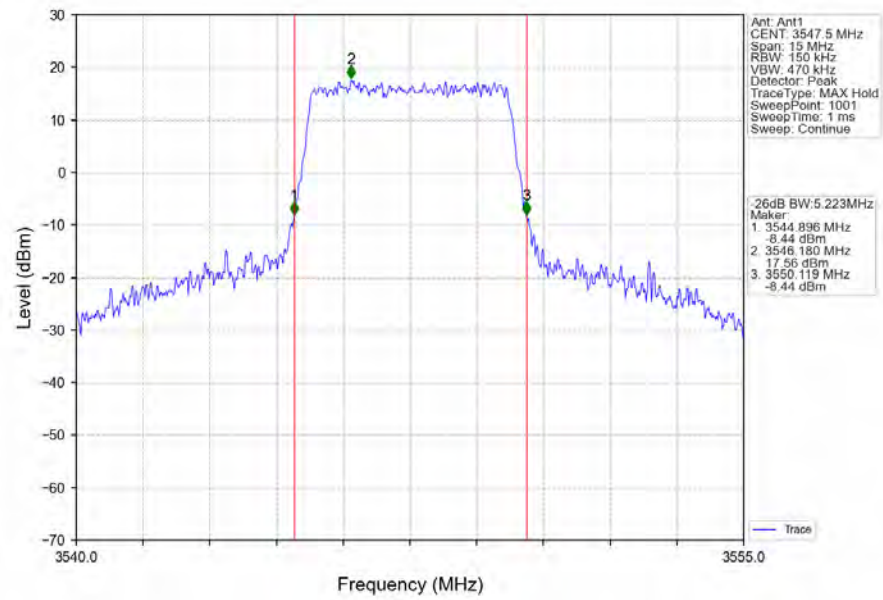
Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV



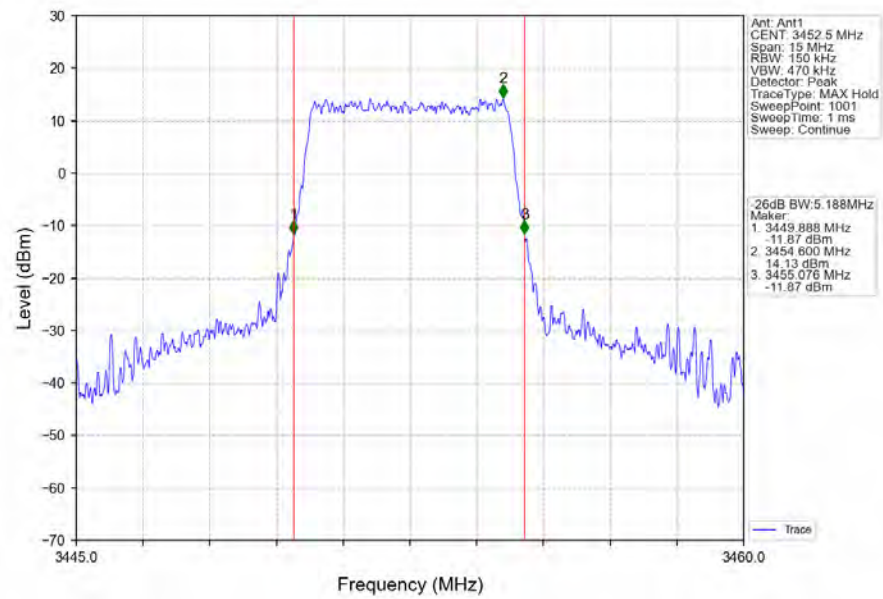
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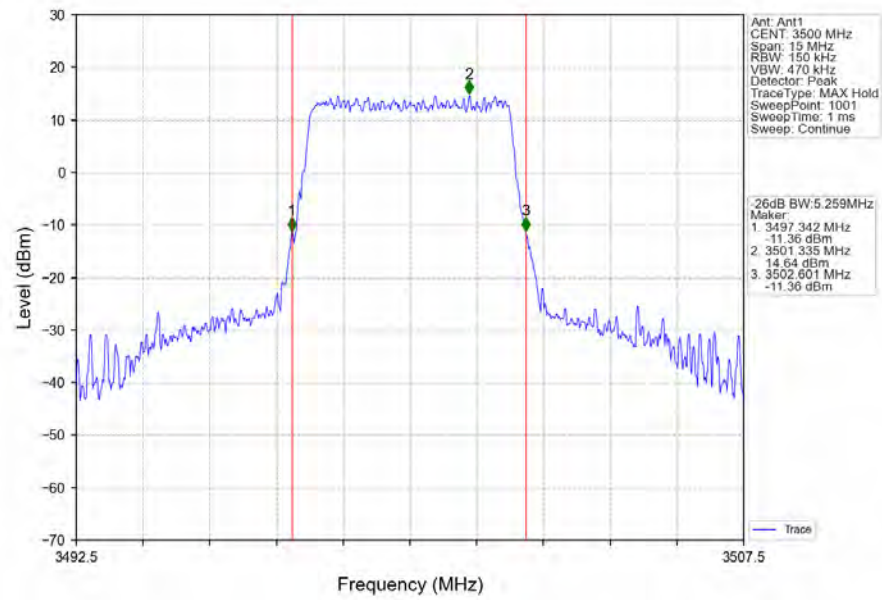
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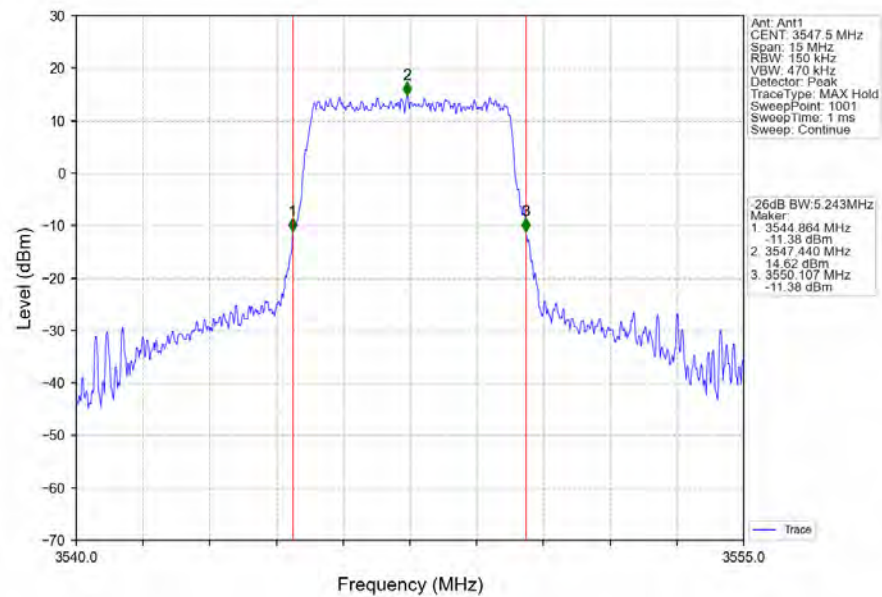
Band42a_5MHz_256QAM_LCH_3452.5MHz_RB_25_0_NTNV



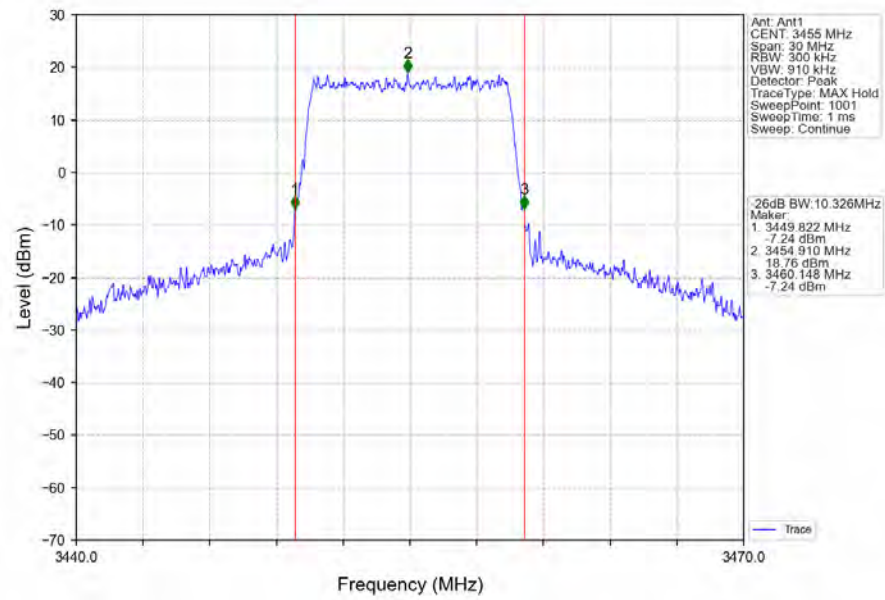
Band42a_5MHz_256QAM_MCH_3500MHz_RB_25_0_NTNV



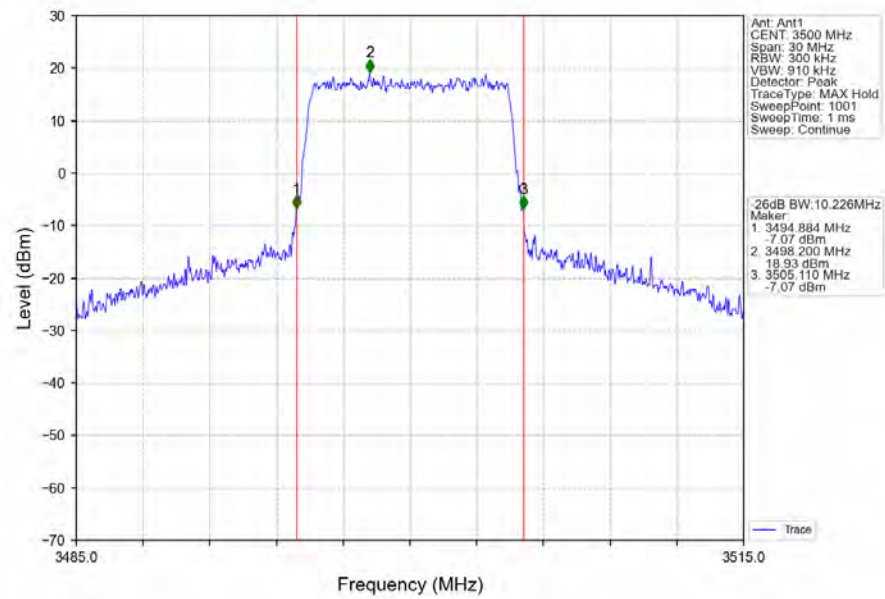
Band42a_5MHz_256QAM_HCH_3547.5MHz_RB_25_0_NTNV



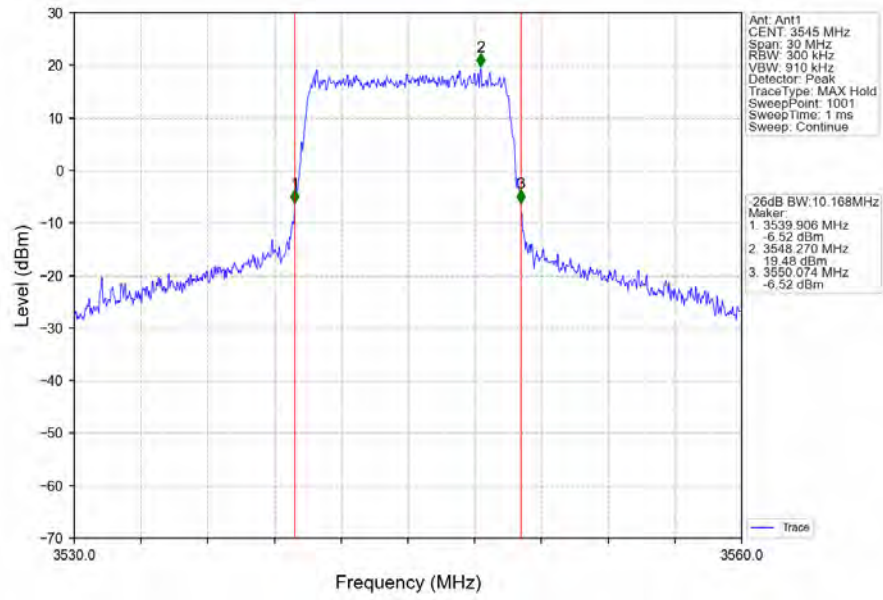
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



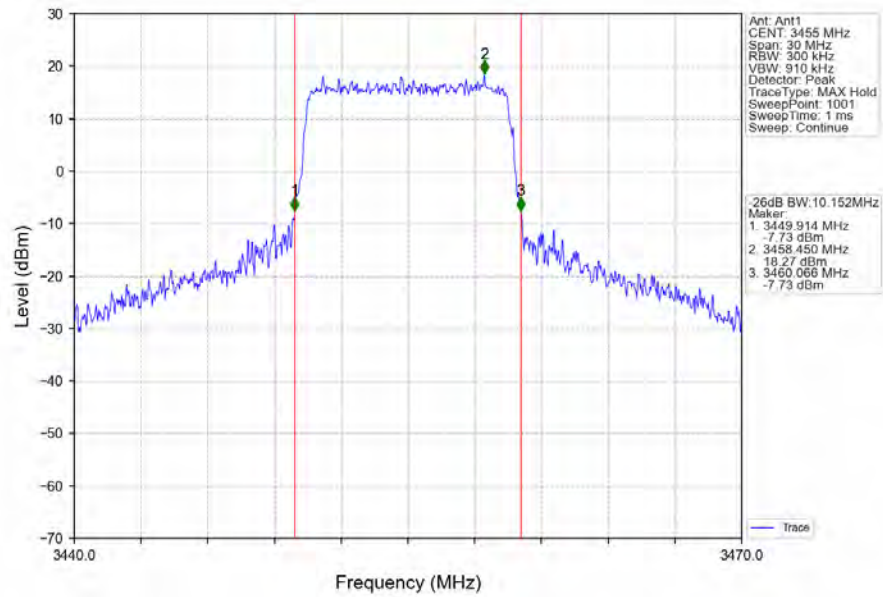
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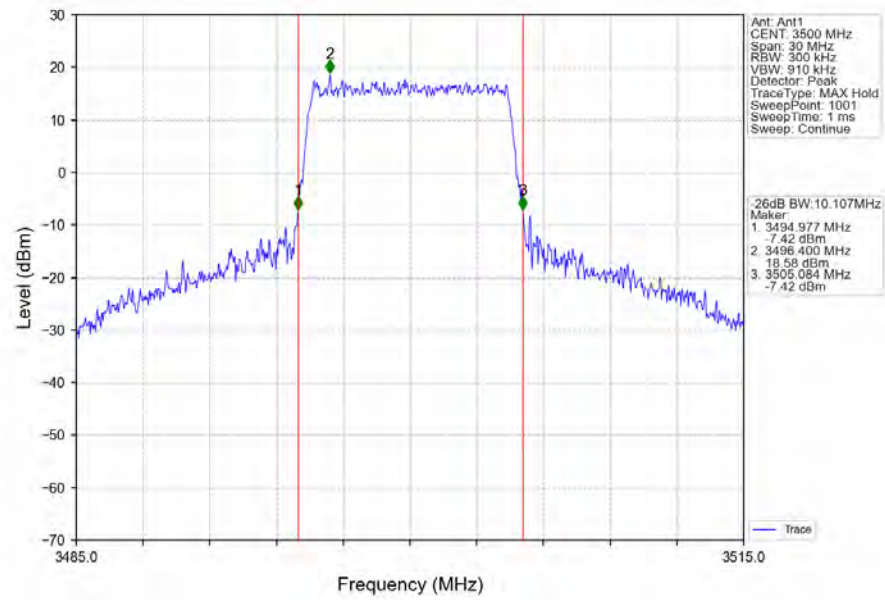
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



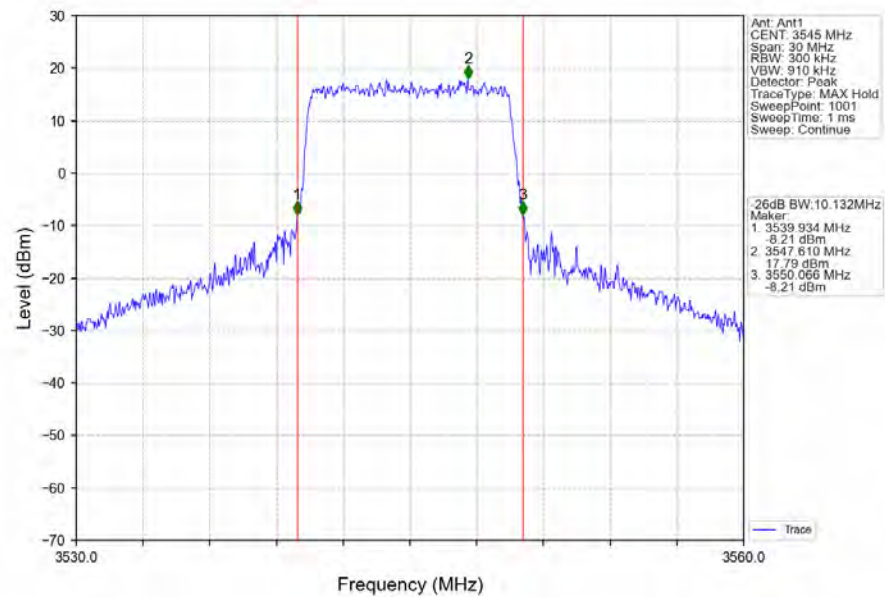
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



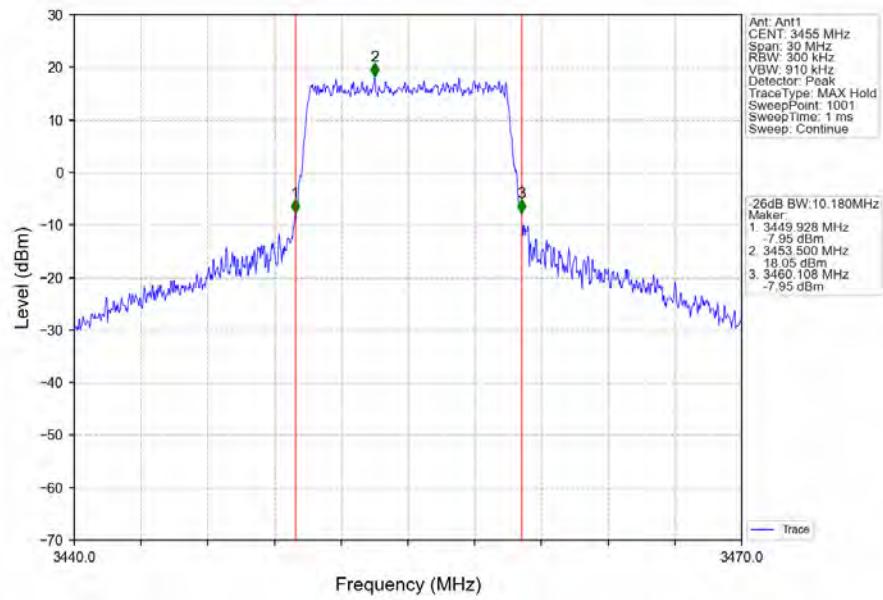
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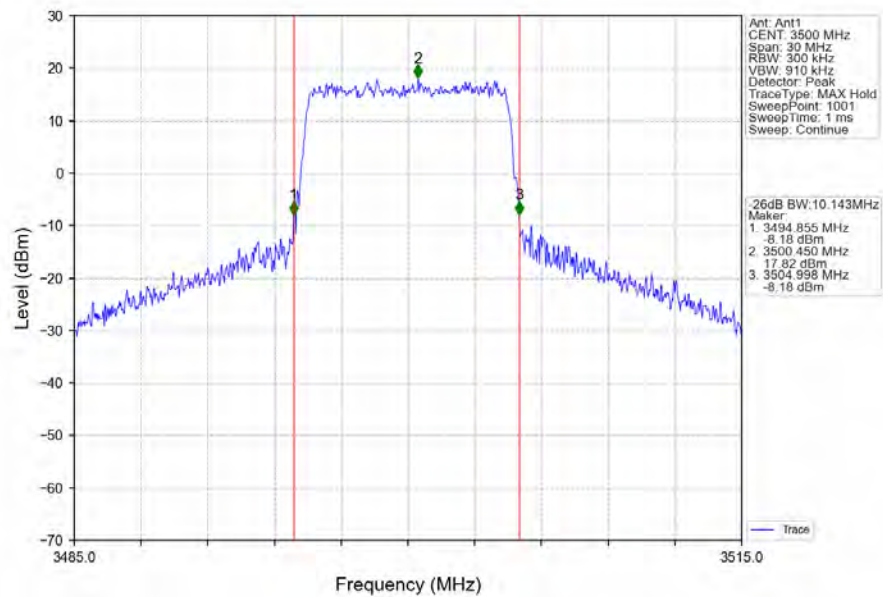
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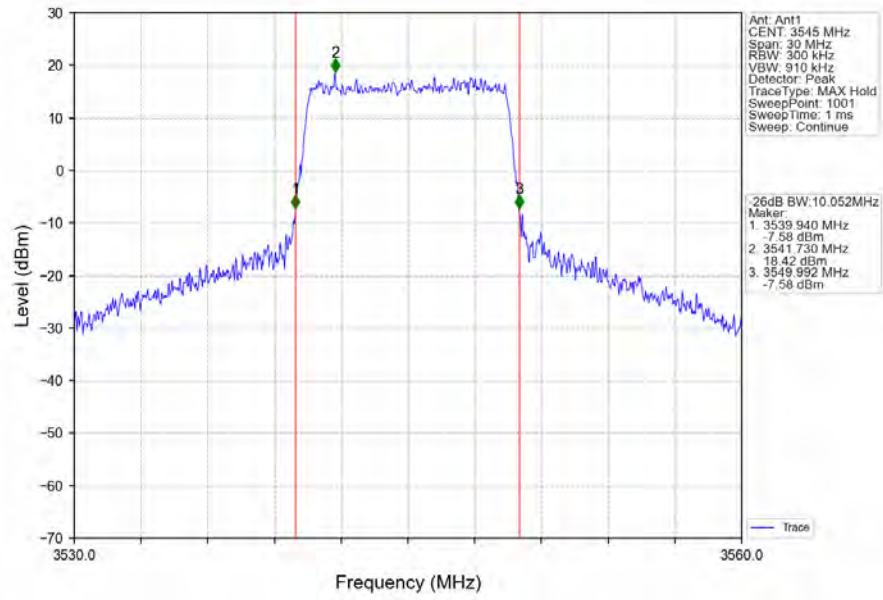
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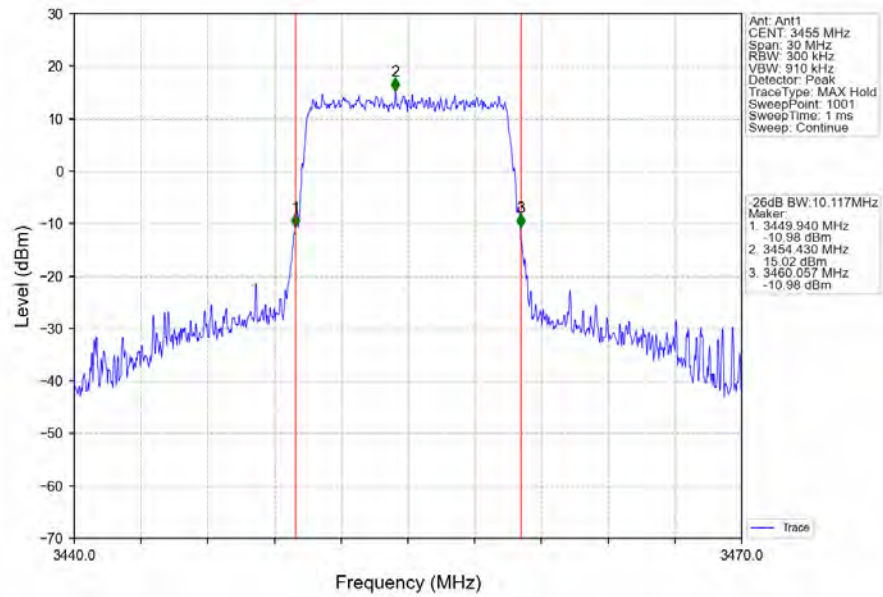
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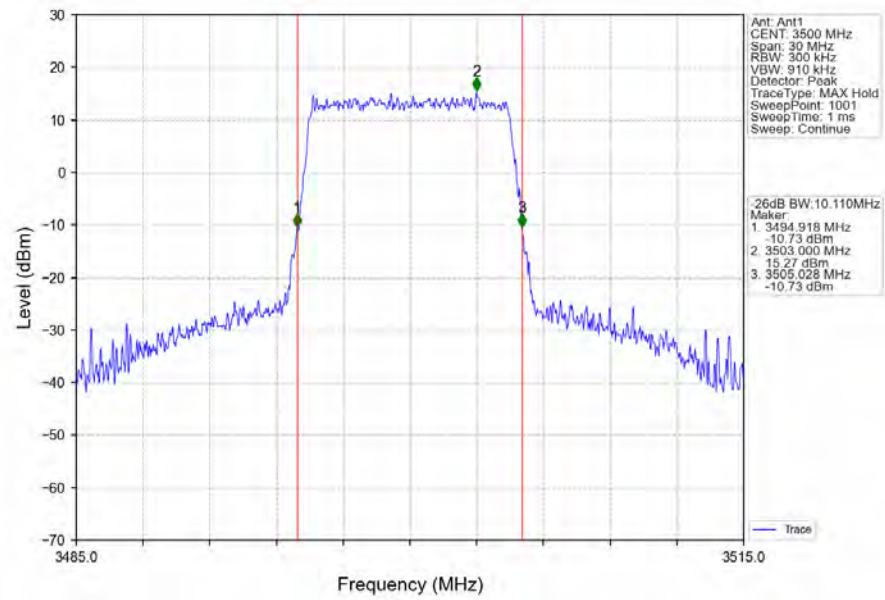
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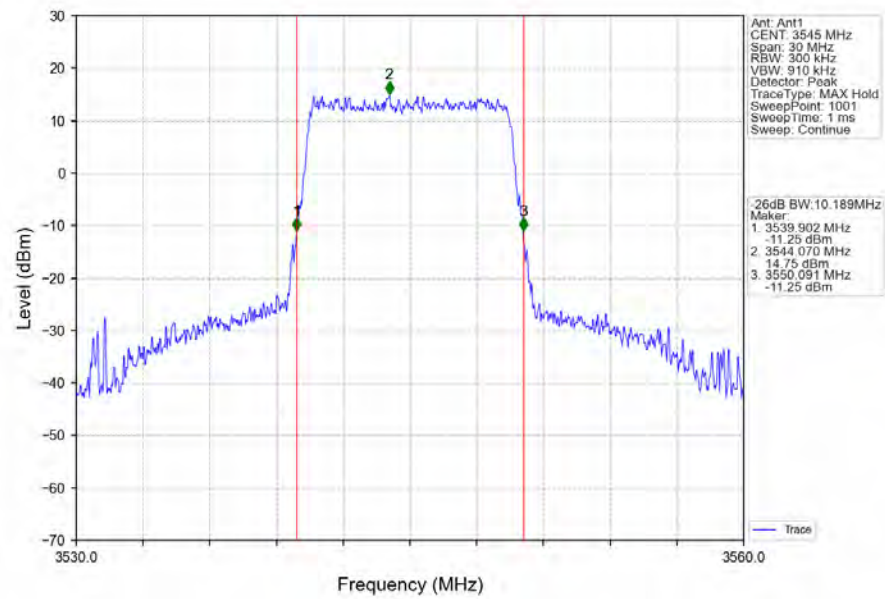
Band42a_10MHz_256QAM_LCH_3455MHz_RB_50_0_NTNV



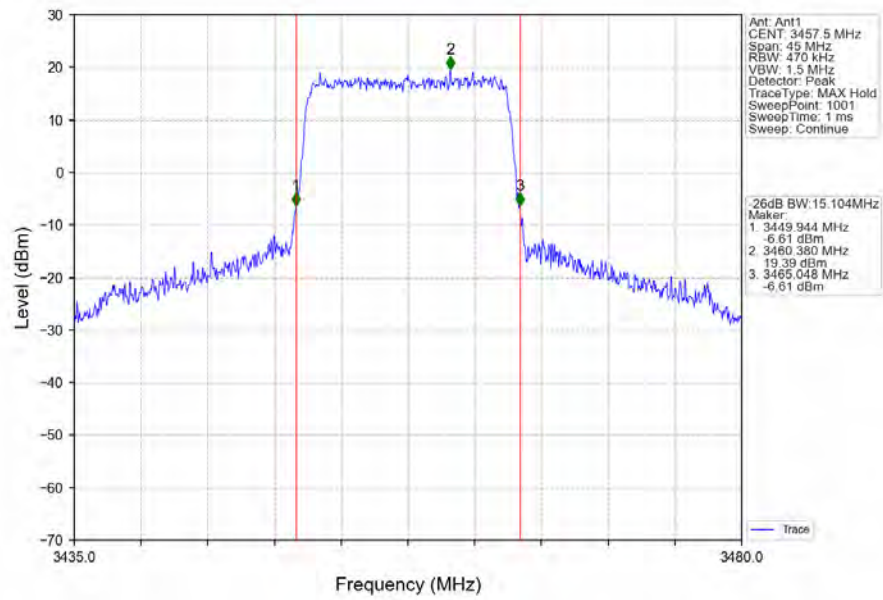
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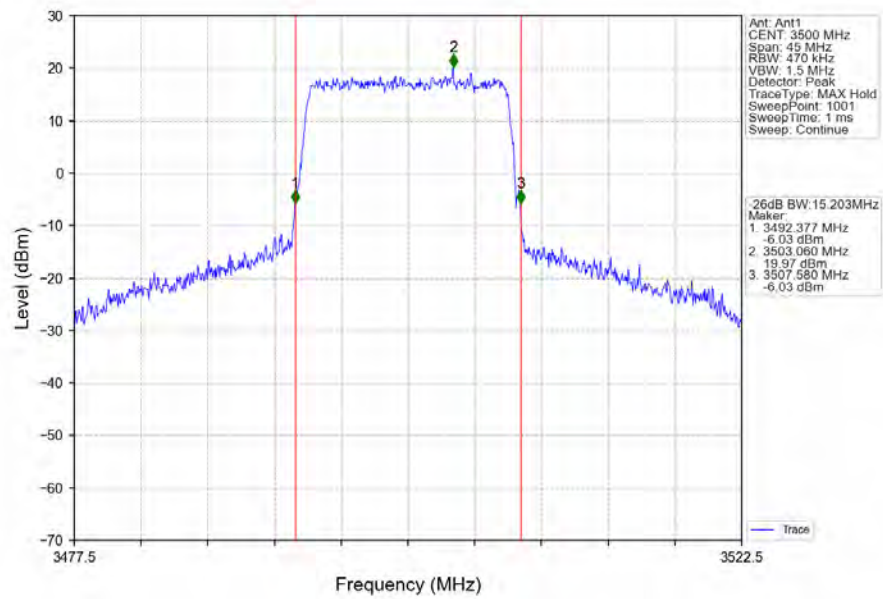
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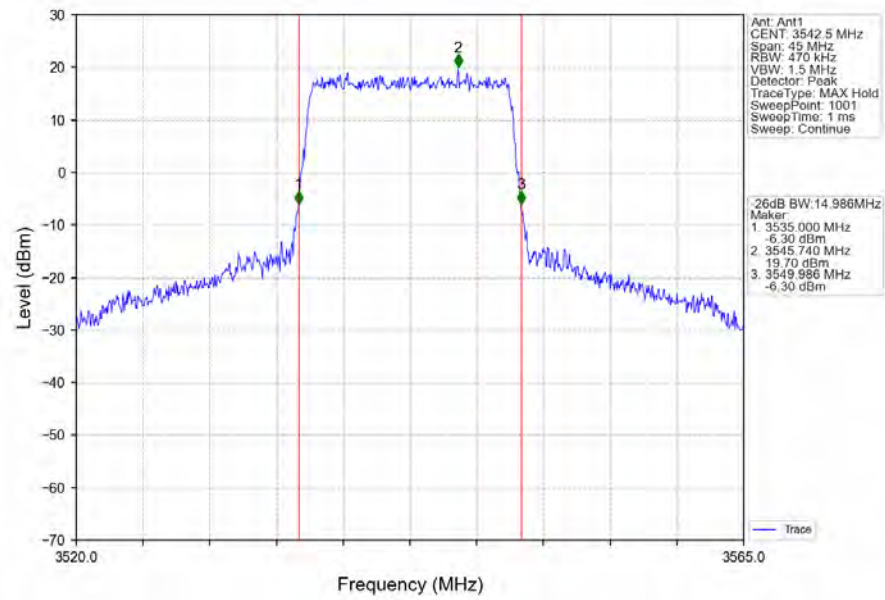
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



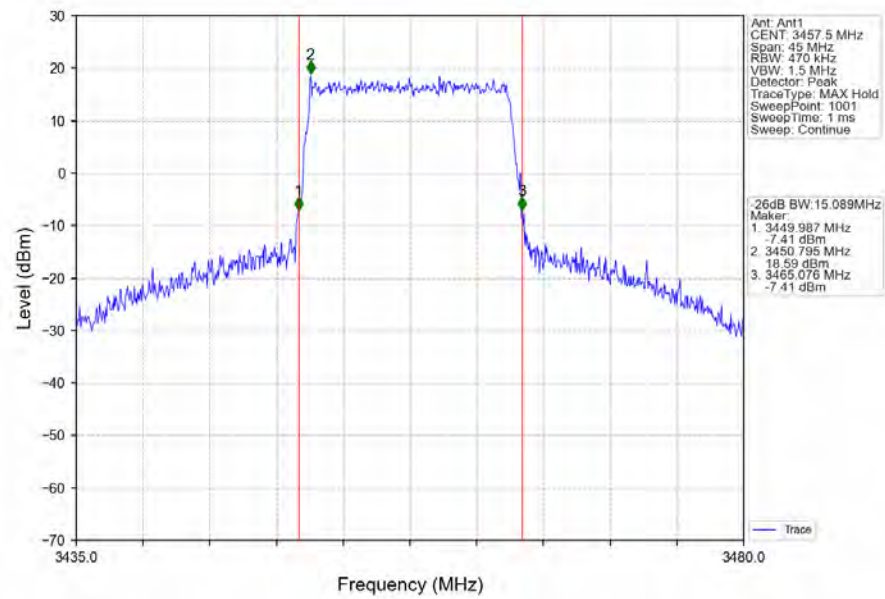
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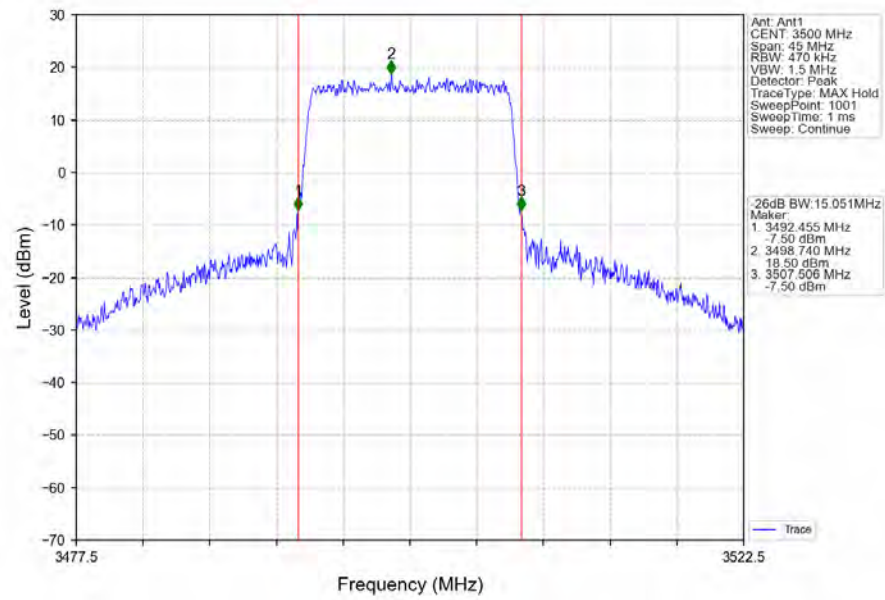
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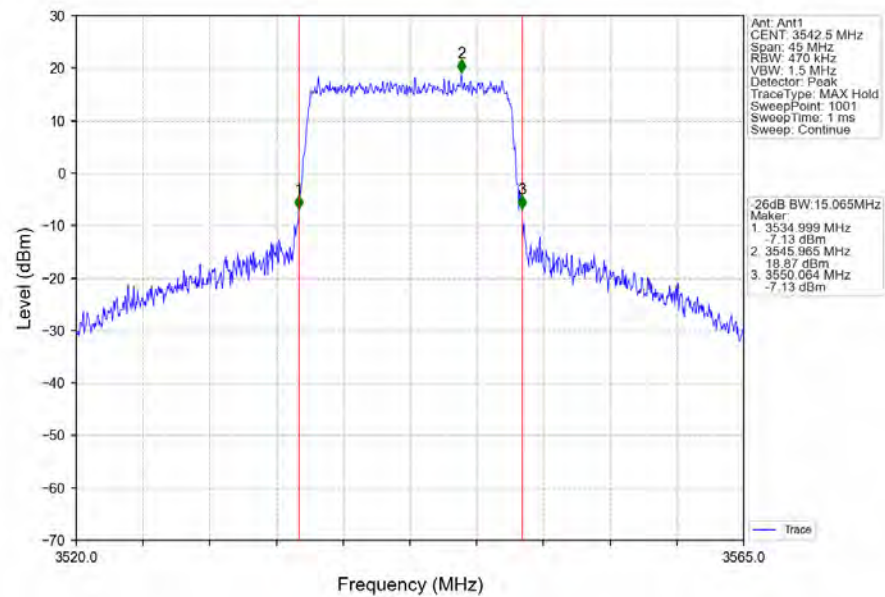
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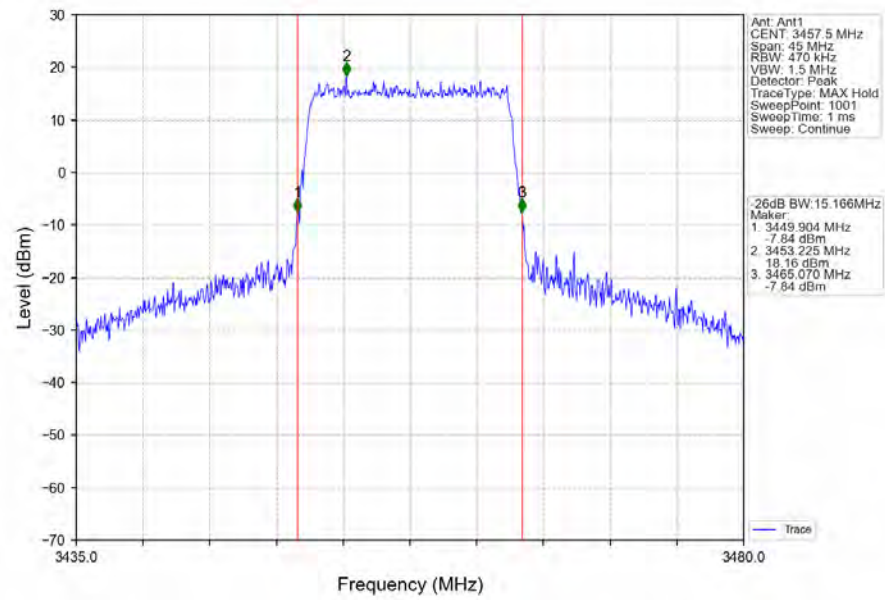
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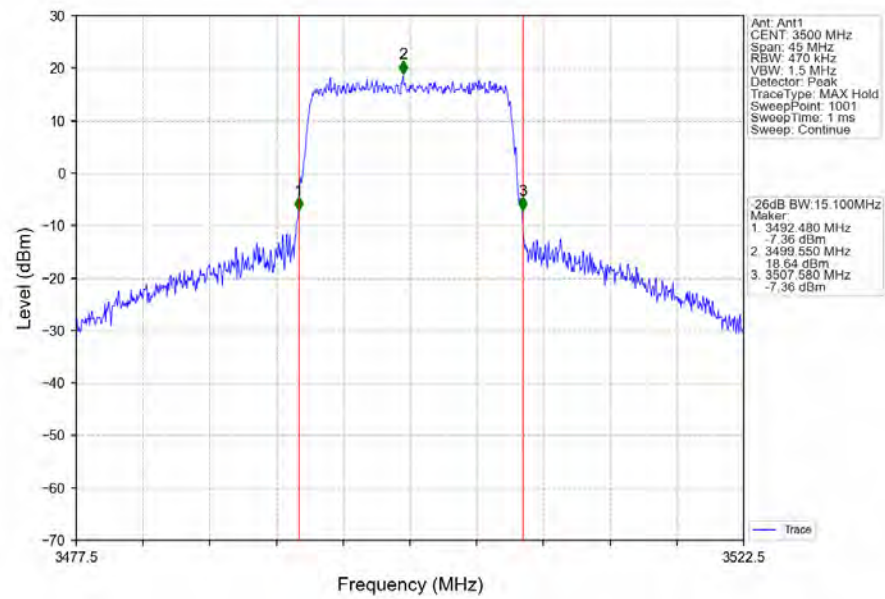
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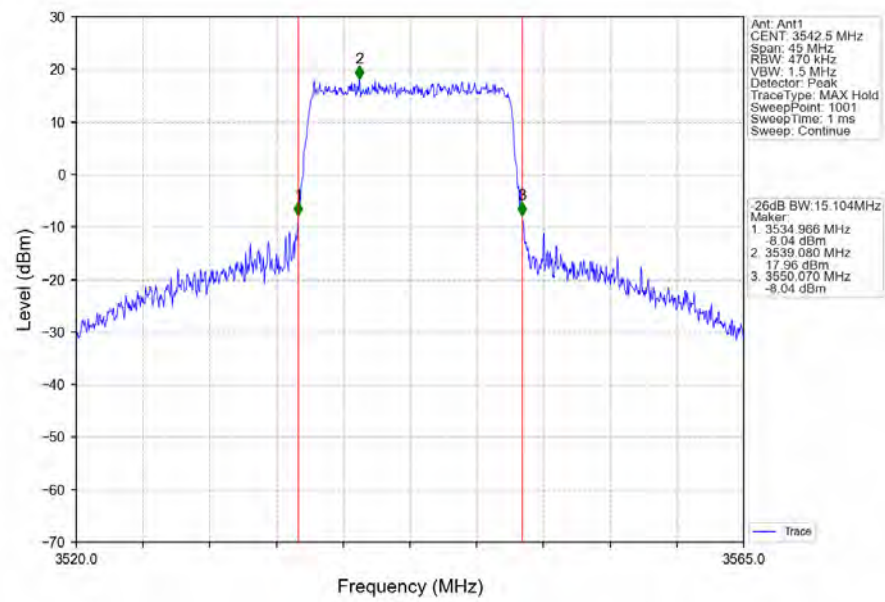
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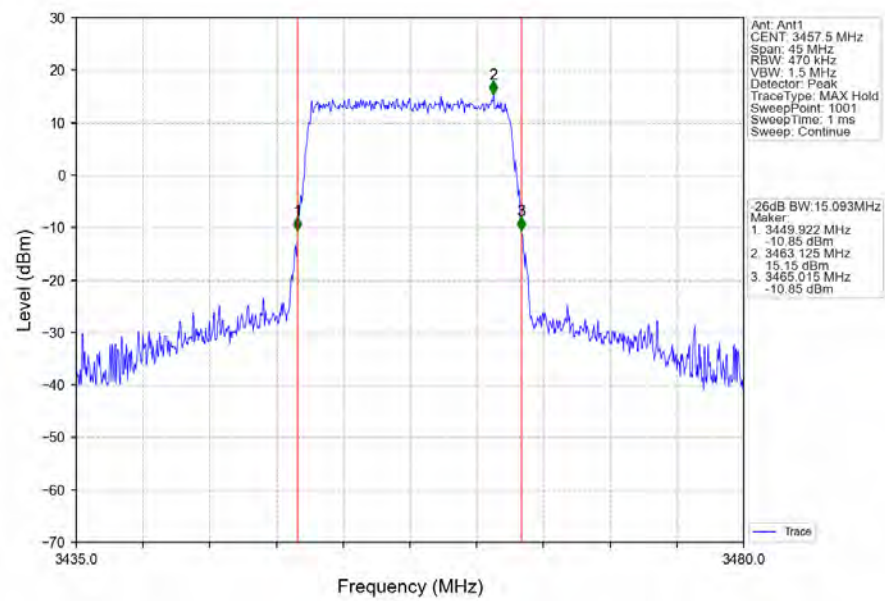
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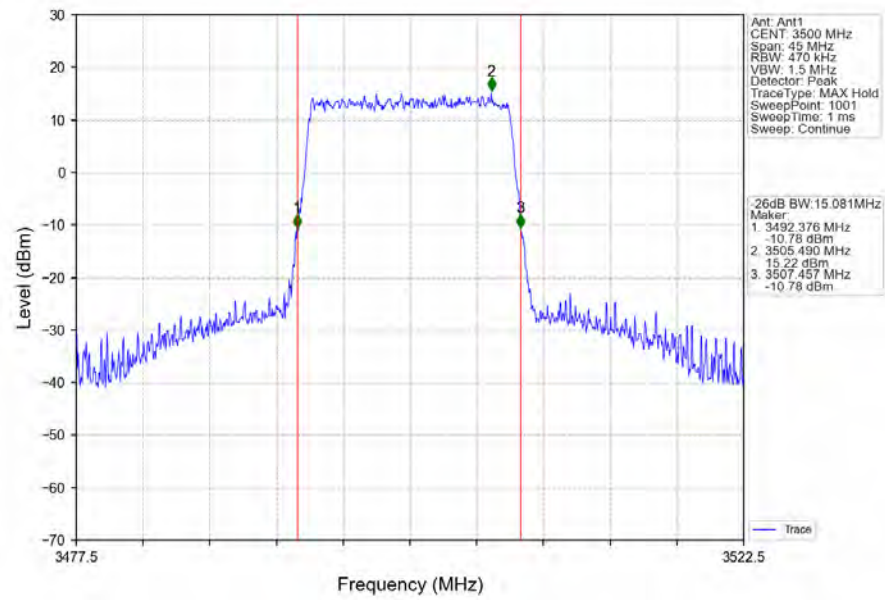
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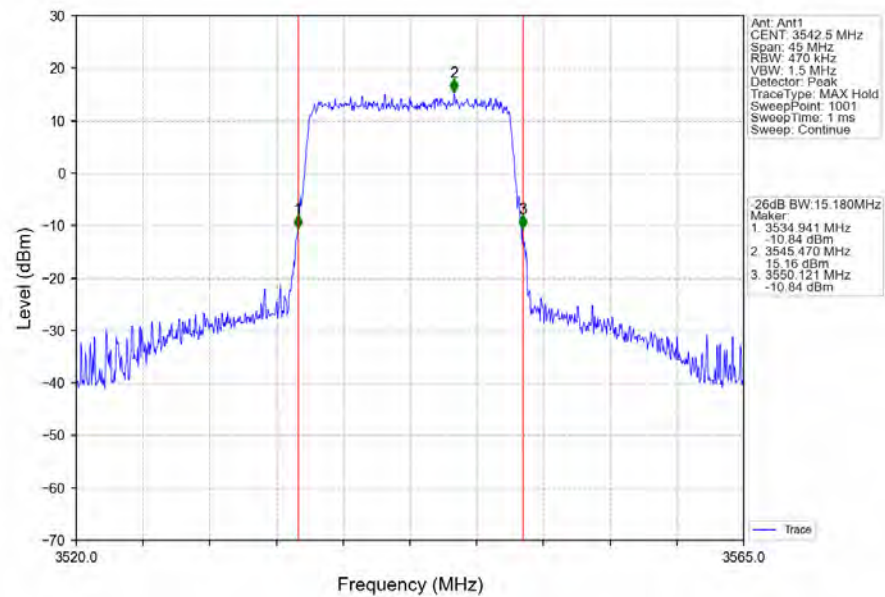
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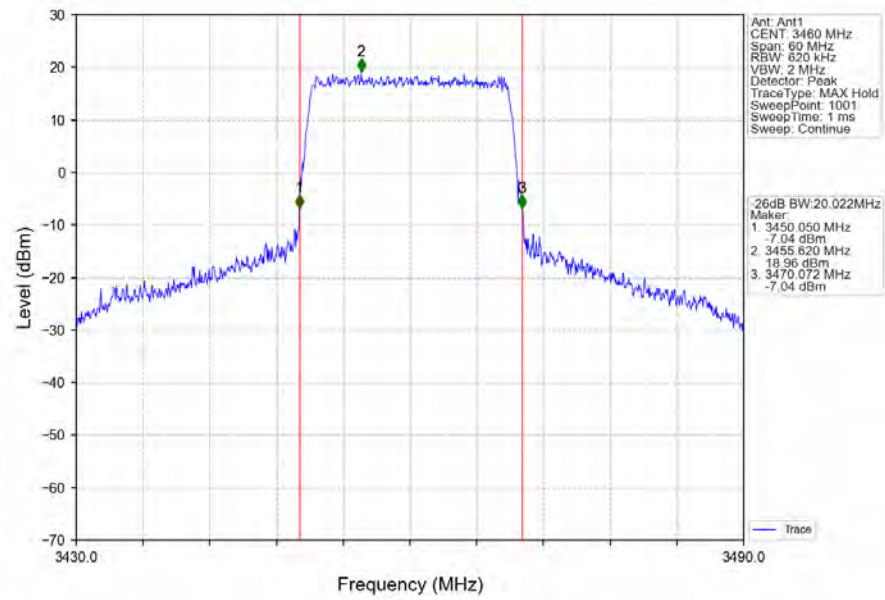
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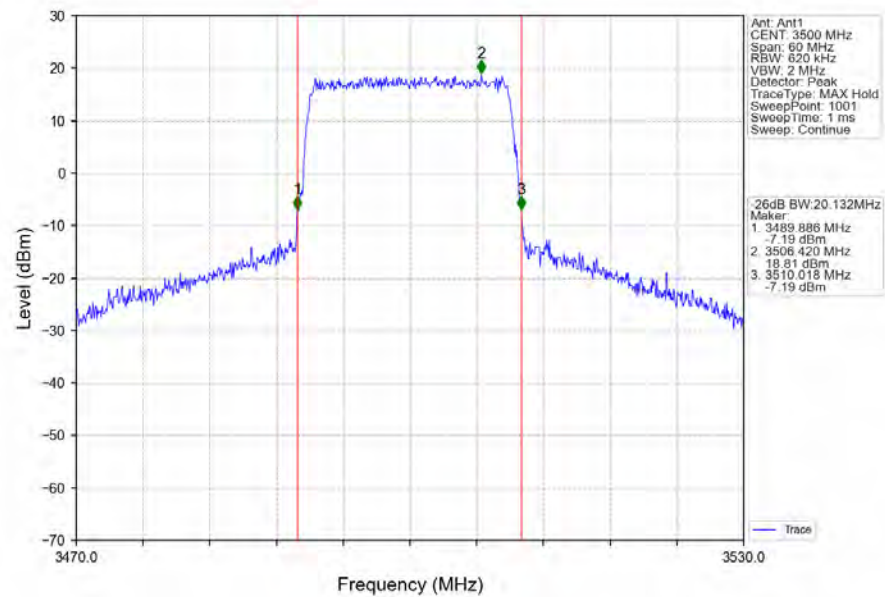
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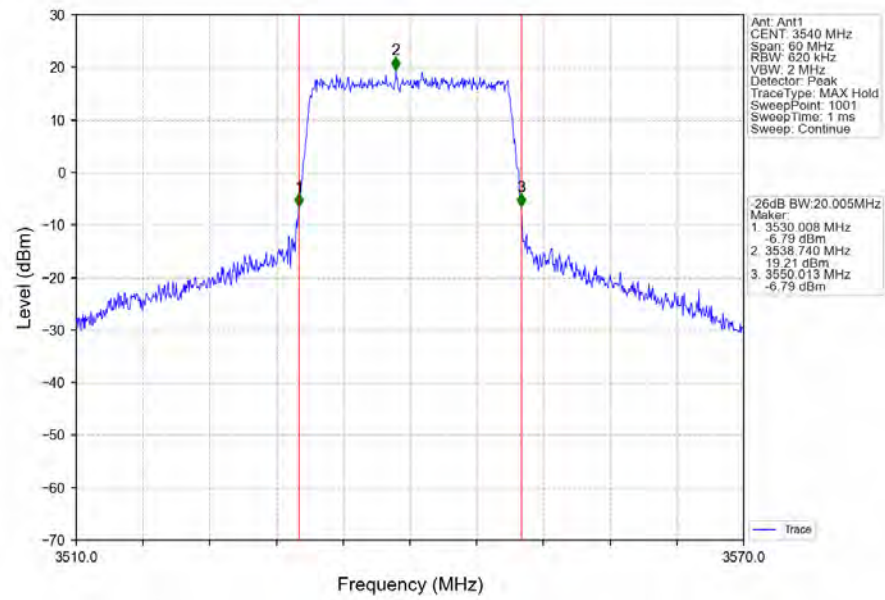
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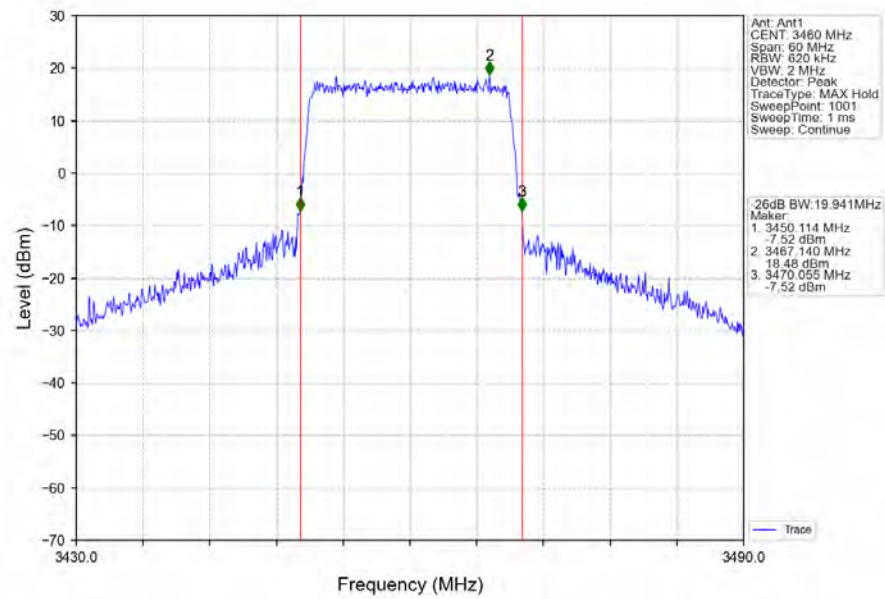
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



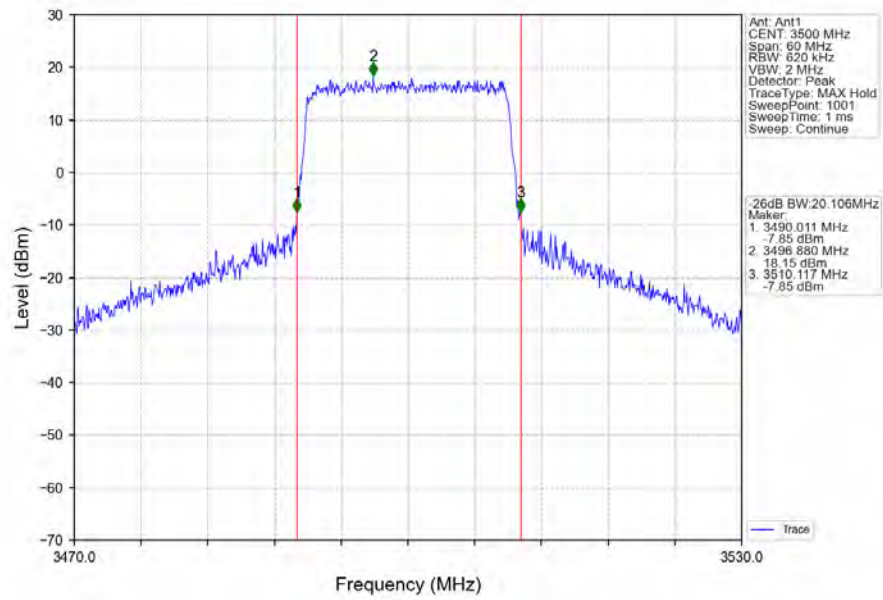
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



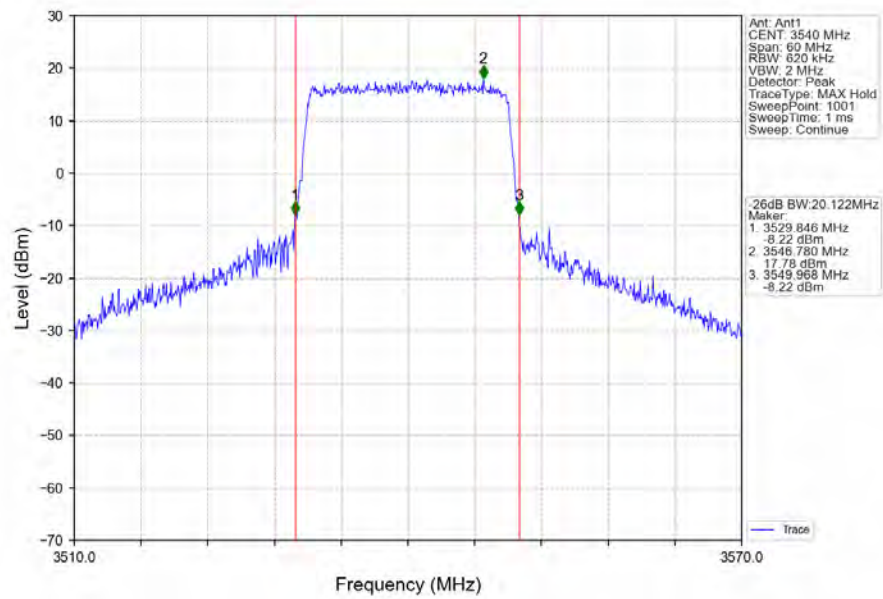
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



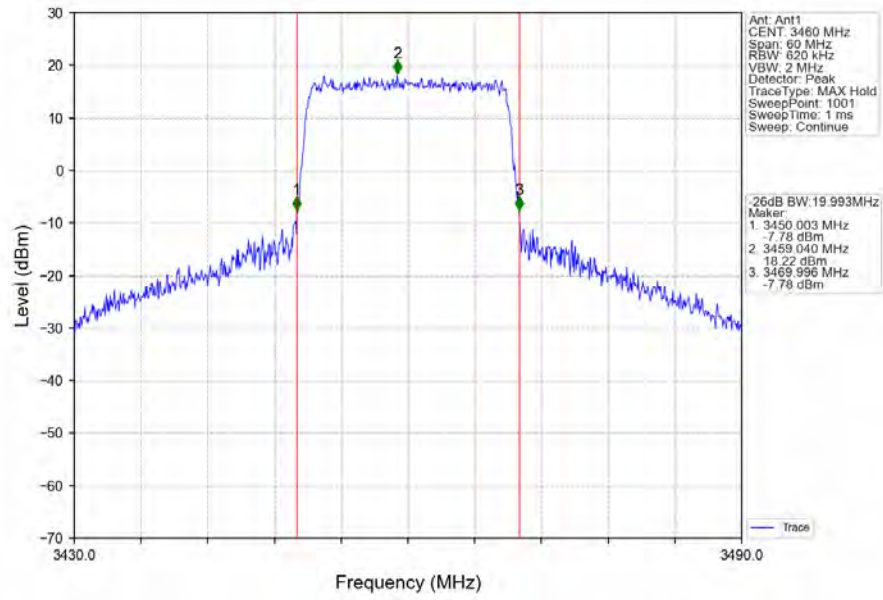
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



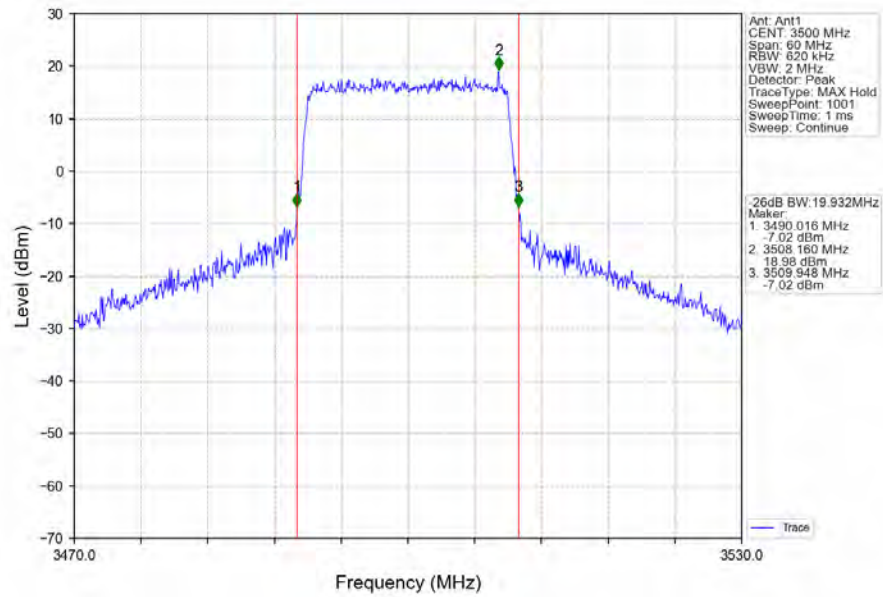
Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



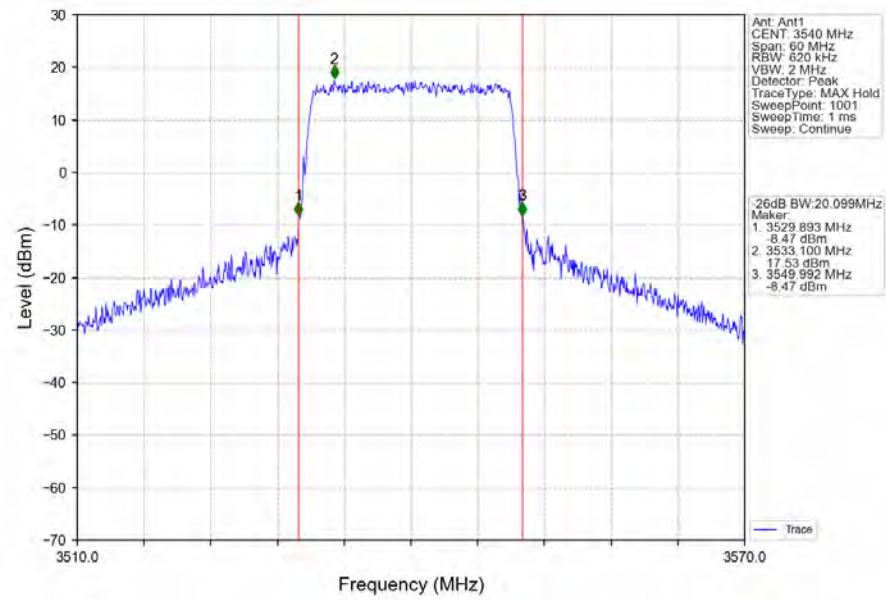
Band42a_20MHz_64QAM_LCH_3460MHz_RB_100_0_NTNV



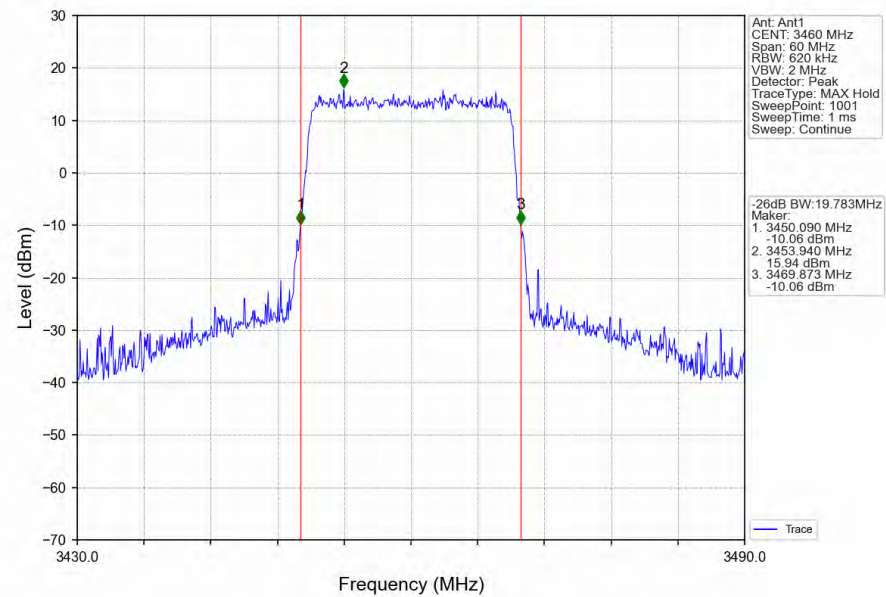
Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV



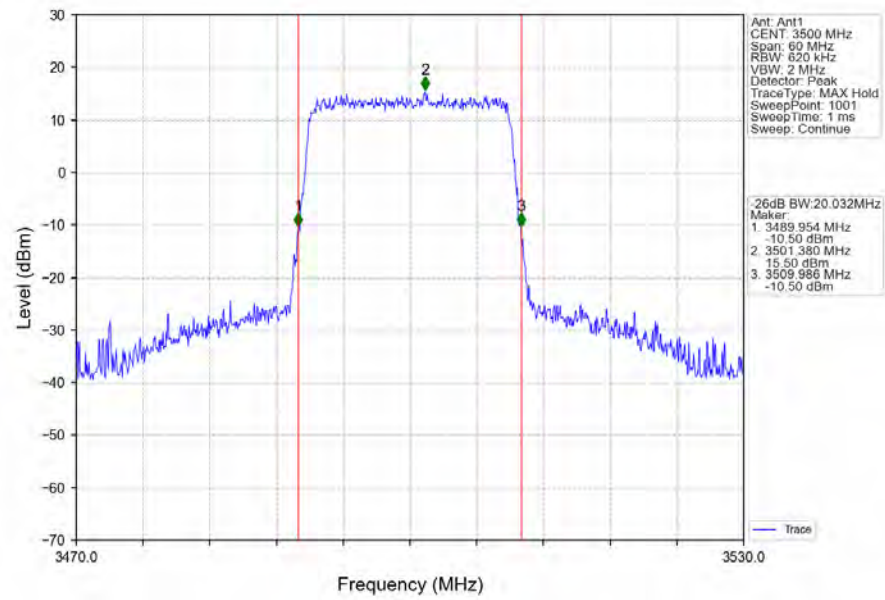
Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



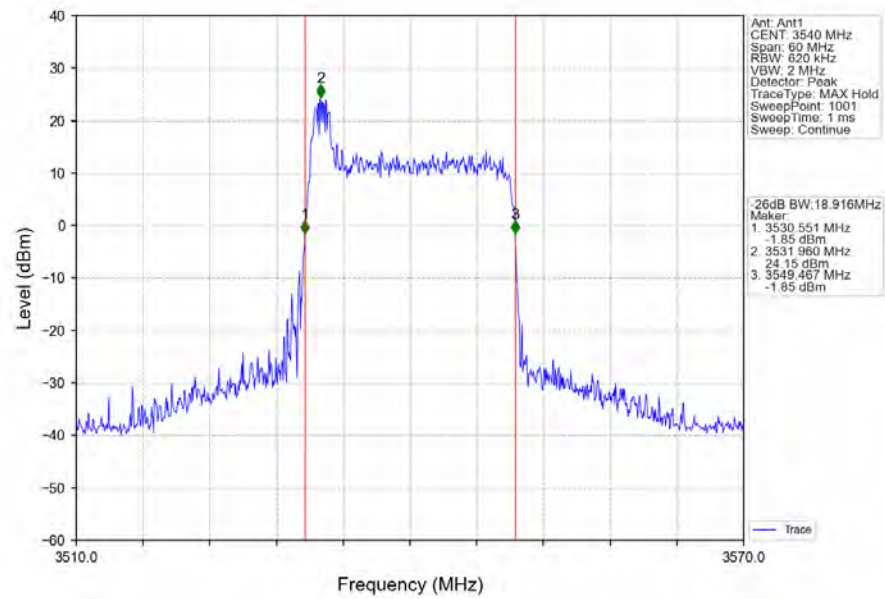
Band42a_20MHz_256QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_256QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_256QAM_HCH_3540MHz_RB_100_0_NTNV



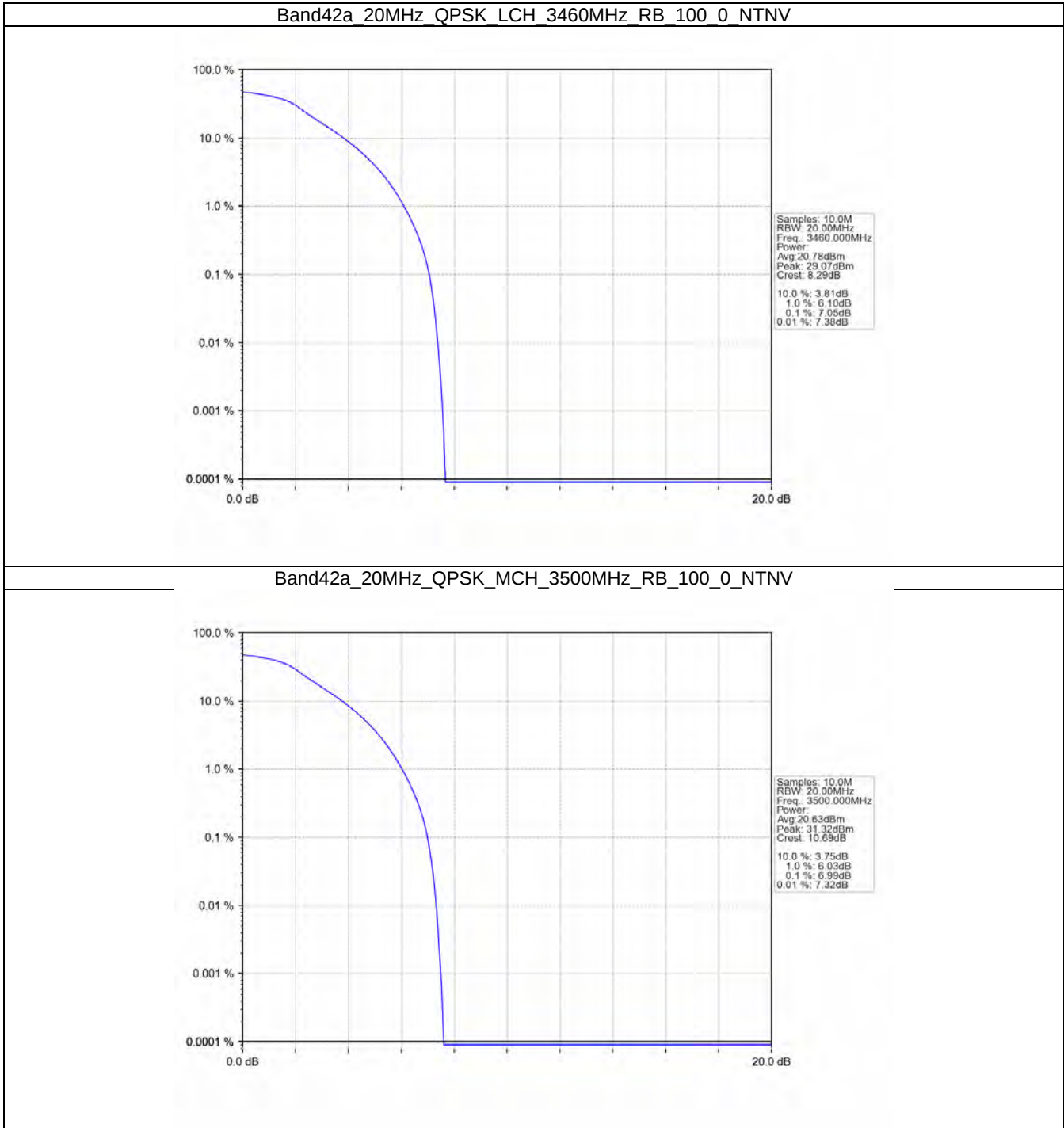
4. Peak-Average Ratio

4.1 B42a_20MHz

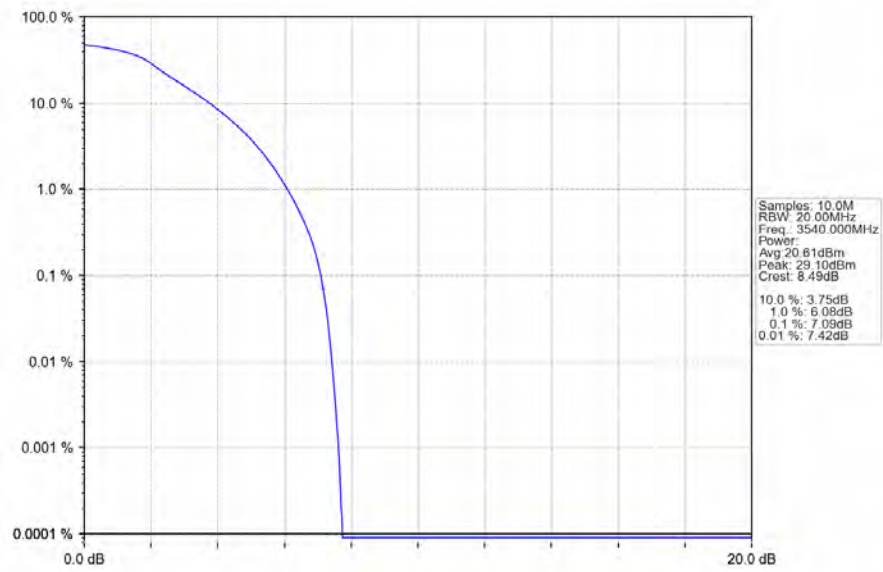
4.1.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	100	0	7.05	<=13	Pass
	3500	100	0	6.99	<=13	Pass
	3540	100	0	7.09	<=13	Pass
16QAM	3460	100	0	8.00	<=13	Pass
	3500	100	0	8.01	<=13	Pass
	3540	100	0	8.13	<=13	Pass
64QAM	3460	100	0	8.05	<=13	Pass
	3500	100	0	8.00	<=13	Pass
	3540	100	0	8.14	<=13	Pass
256QAM	3460	100	0	8.57	<=13	Pass
	3500	100	0	8.52	<=13	Pass
	3540	100	0	8.86	<=13	Pass

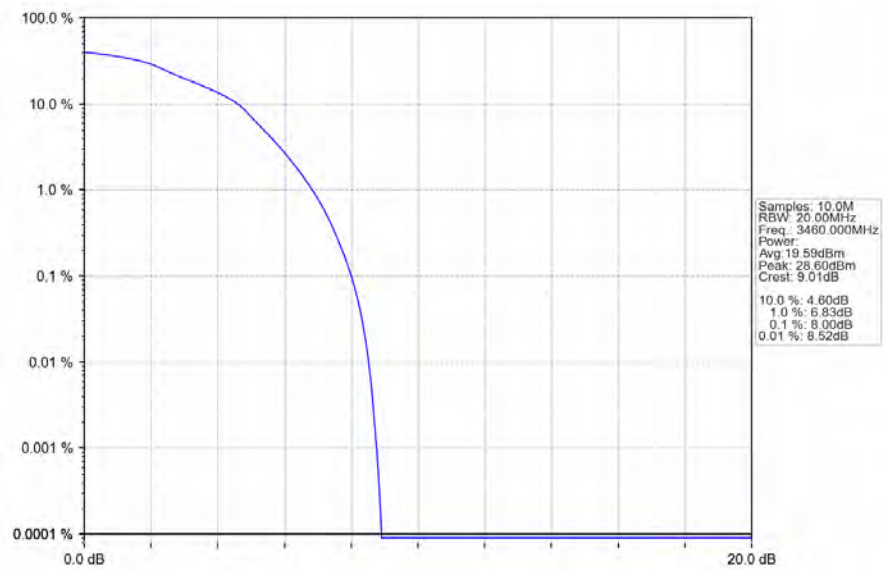
4.4.2 Test Graph



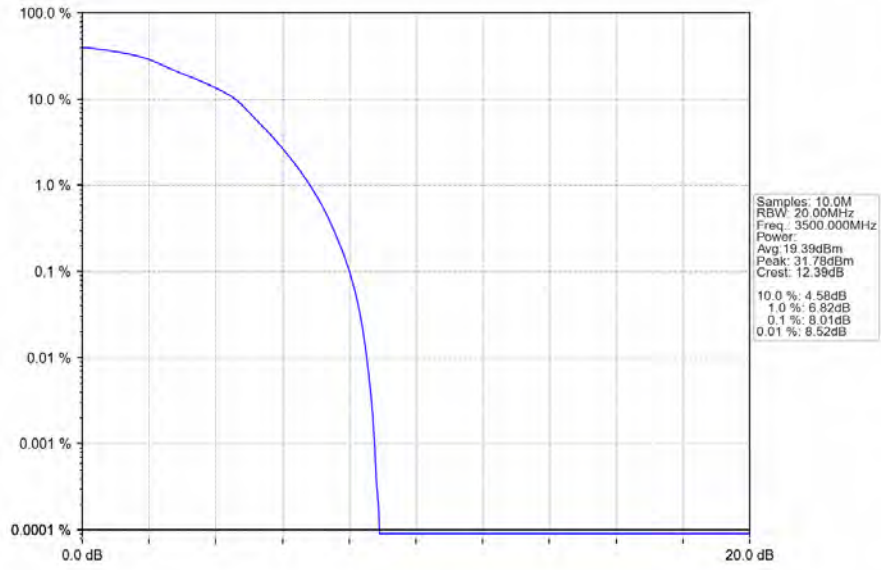
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



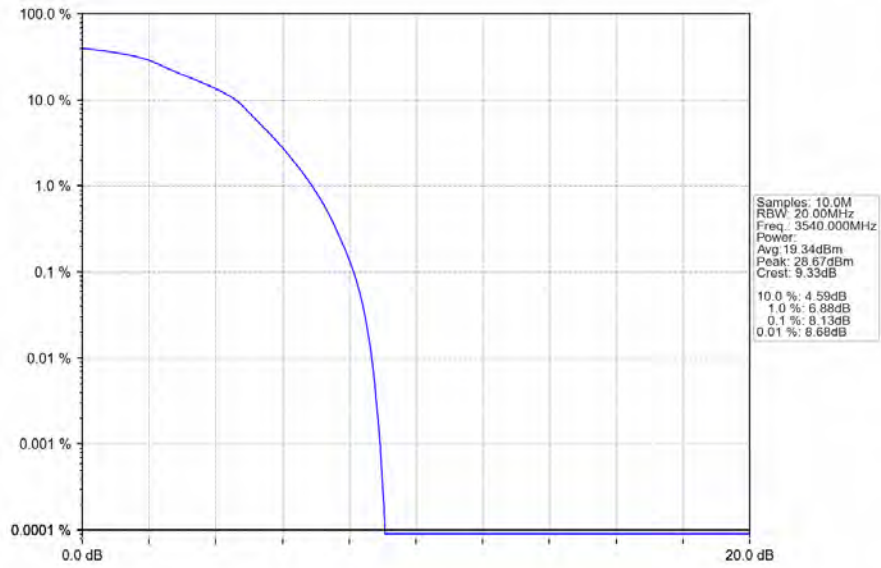
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



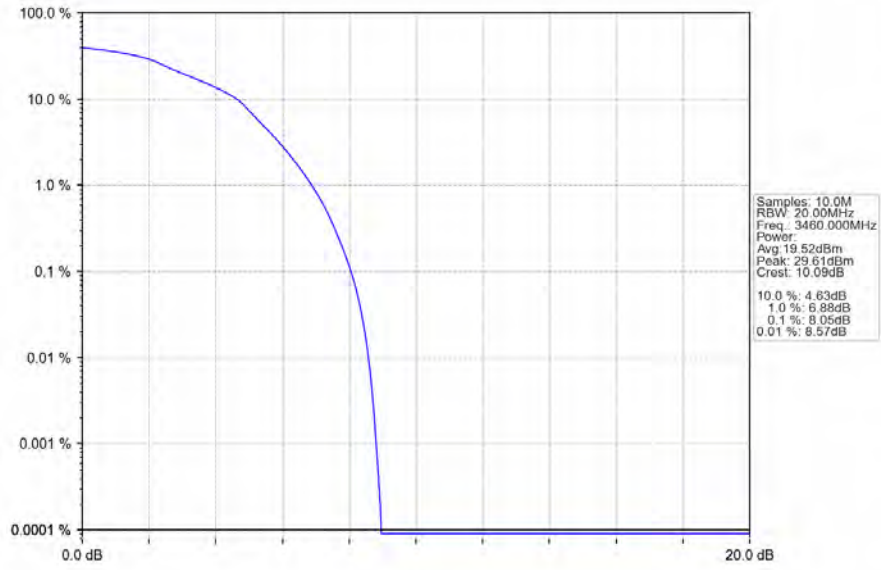
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



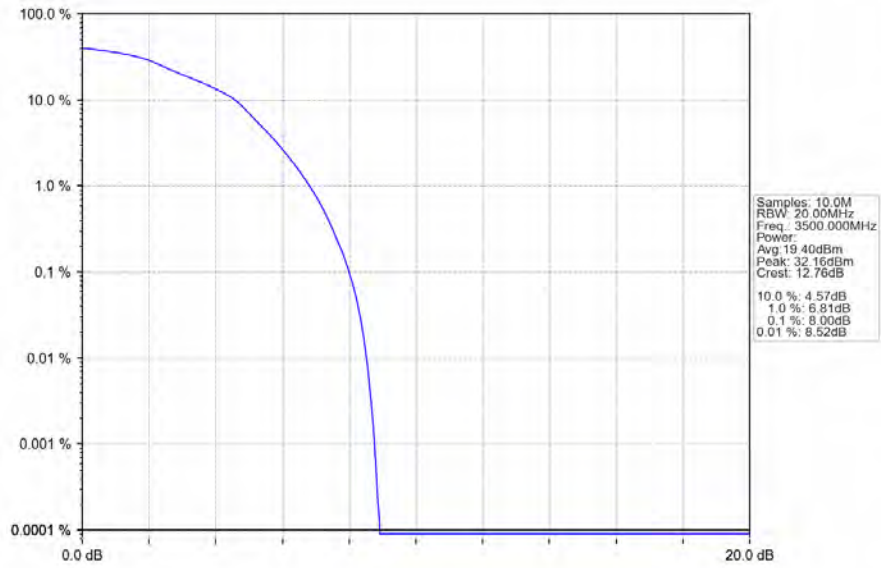
Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



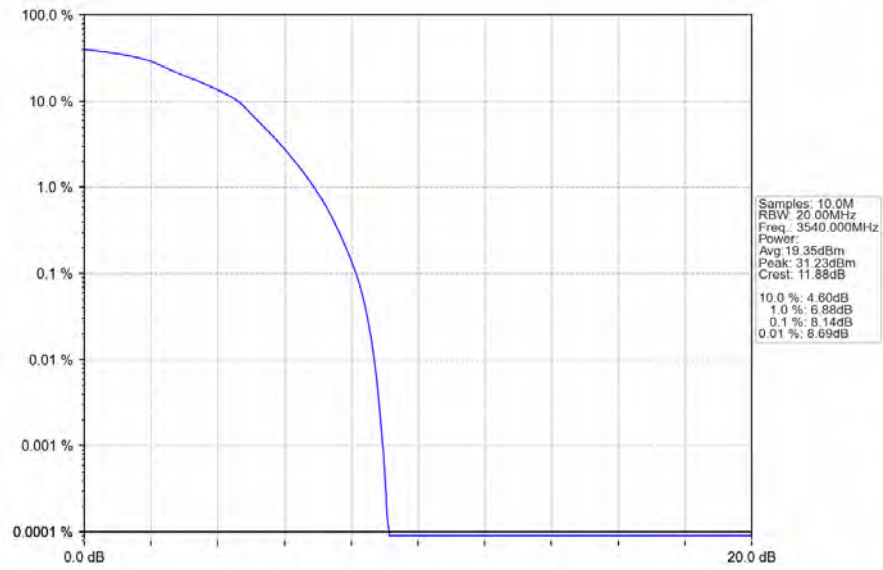
Band42a_20MHz_64QAM_LCH_3460MHz_RB_100_0_NTNV



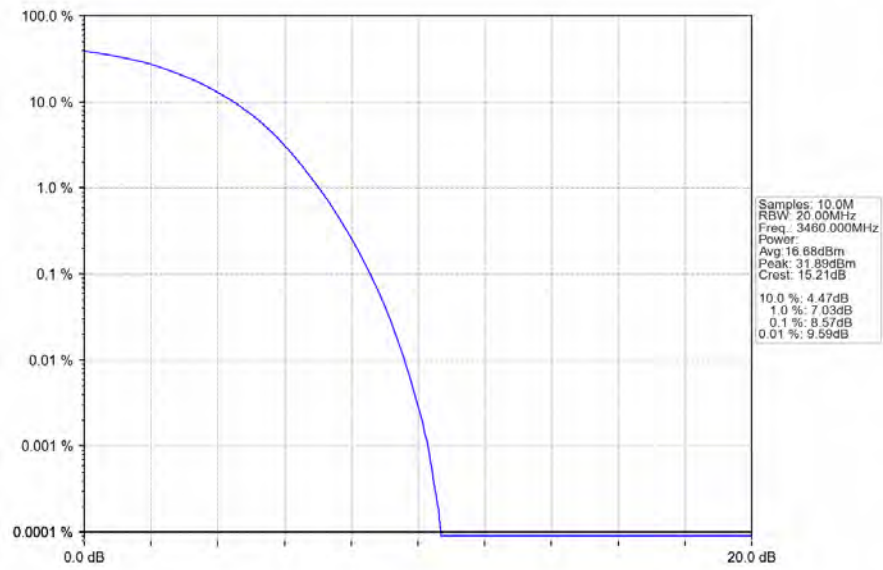
Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV



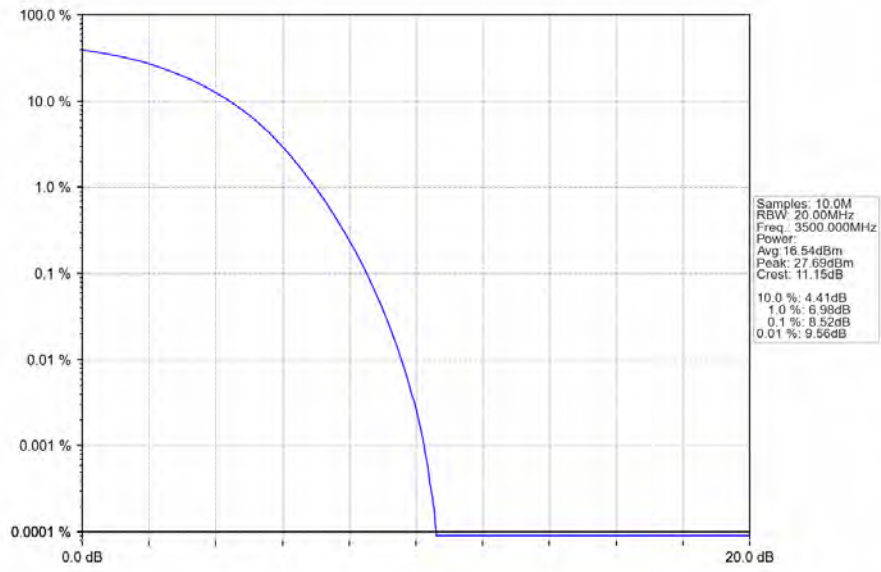
Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



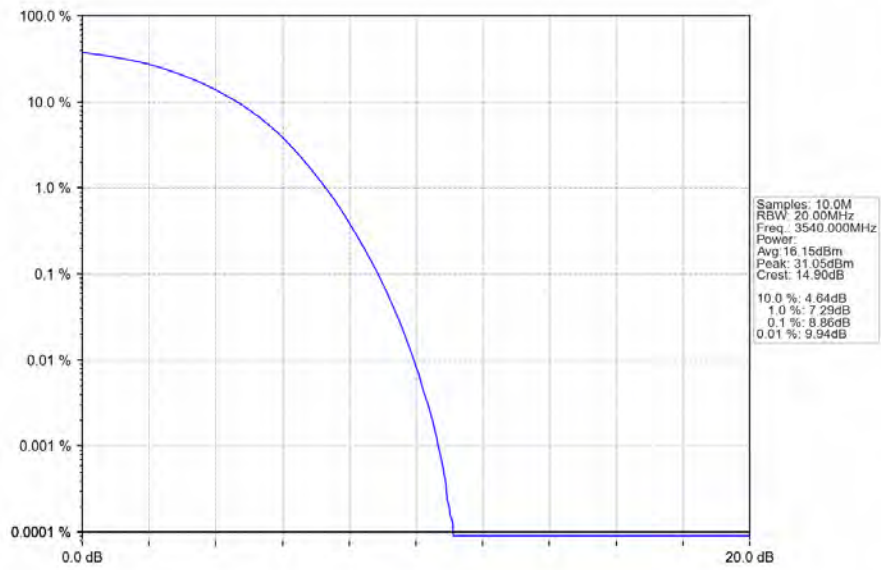
Band42a_20MHz_256QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_256QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_256QAM_HCH_3540MHz_RB_100_0_NTNV



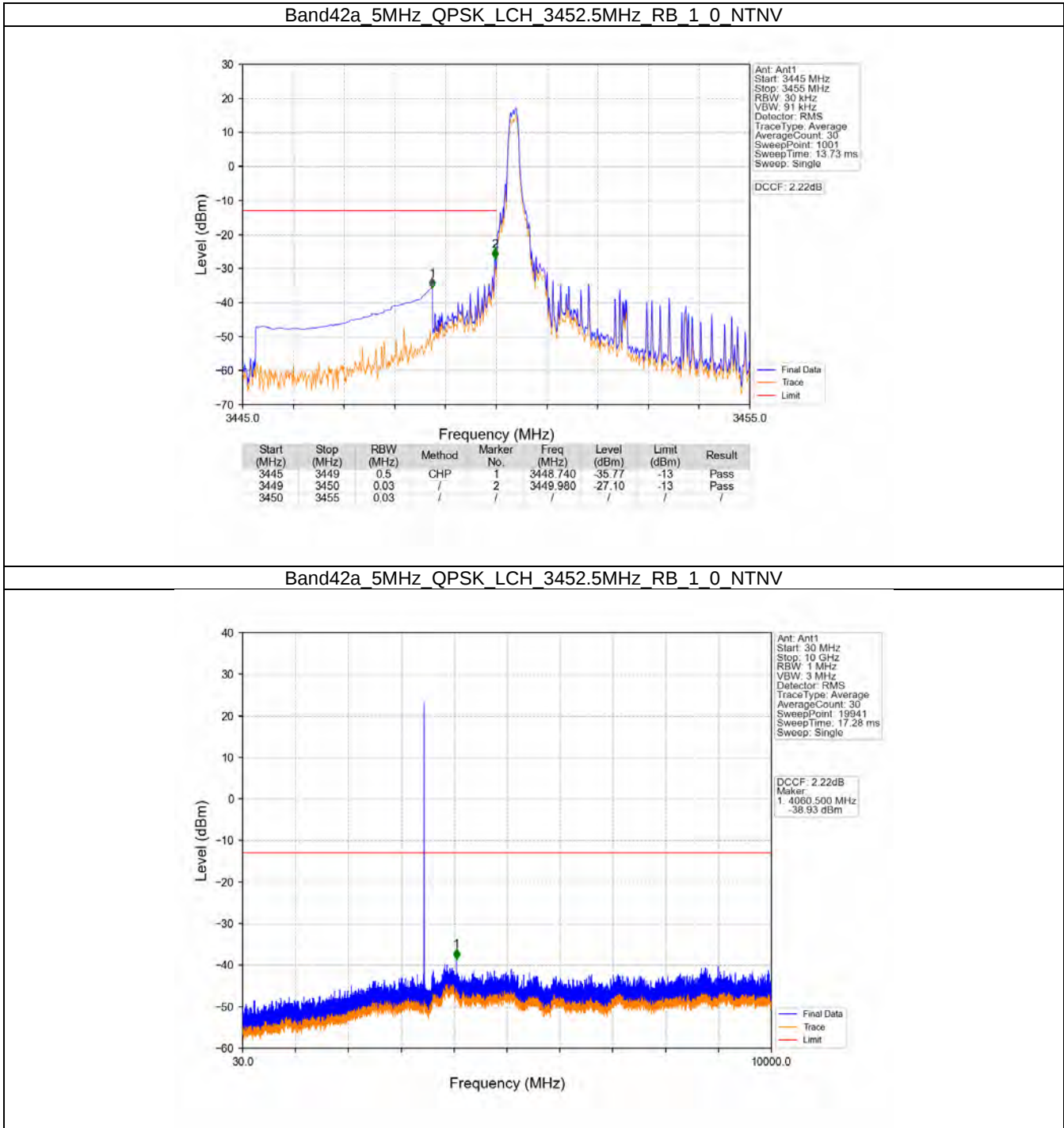
5. Spurious Emission

5.1 B42a_5MHz

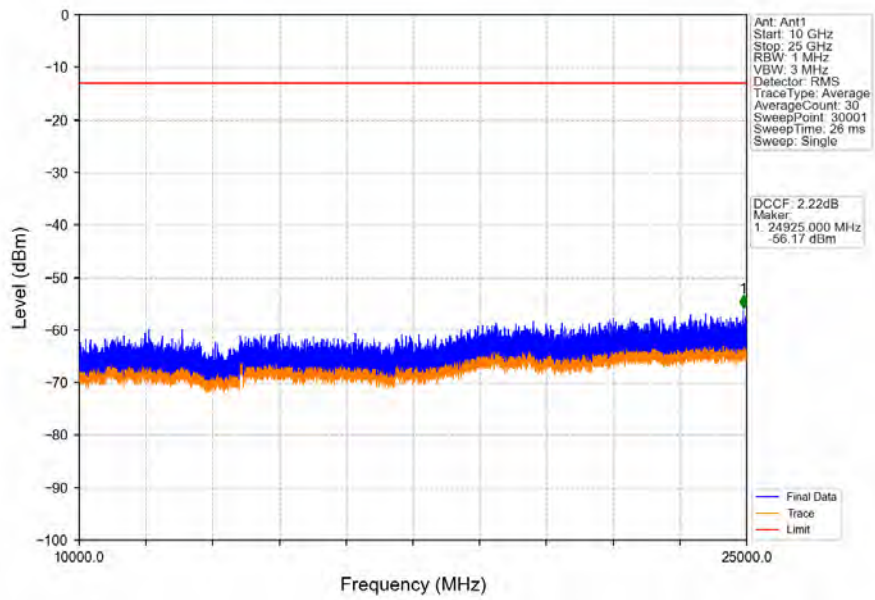
5.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
		3547.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph		Pass
	25		0	Refer To Test Graph		Pass

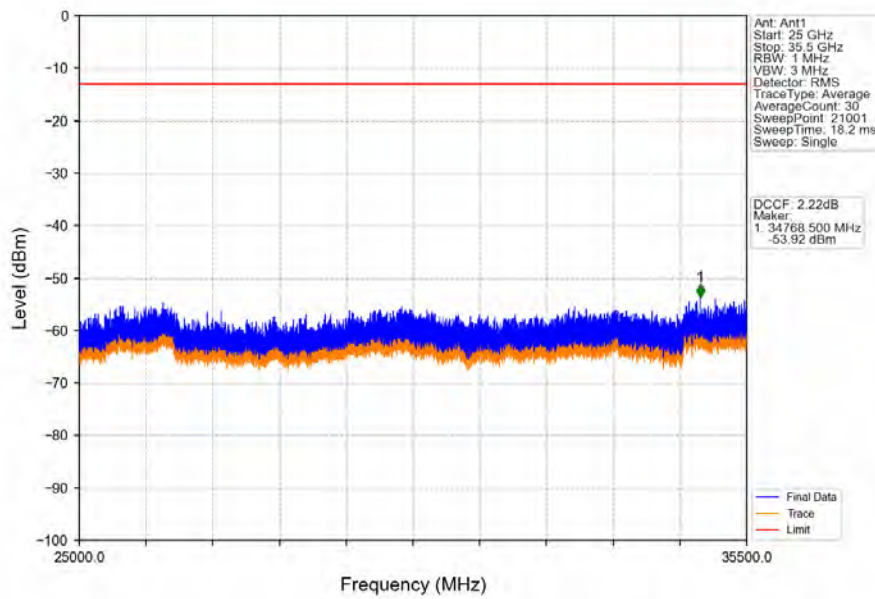
5.1.2 Test Graph



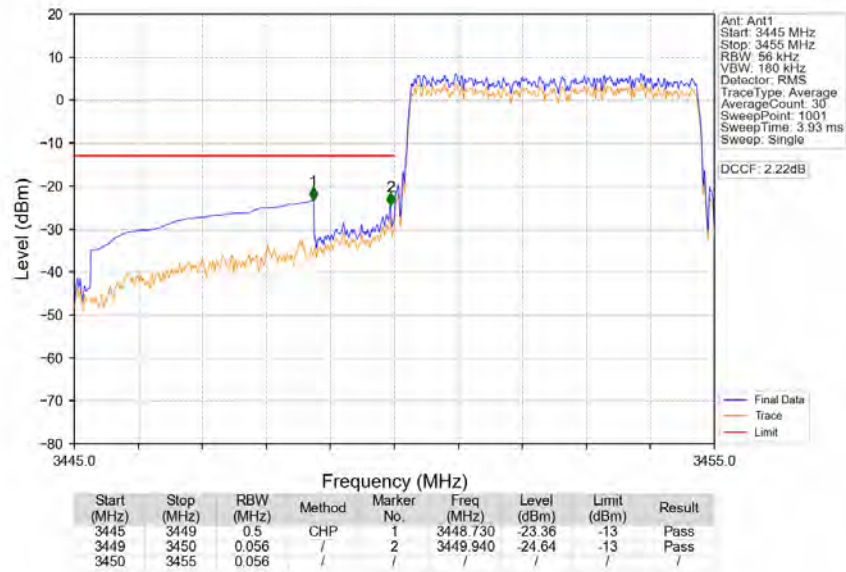
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



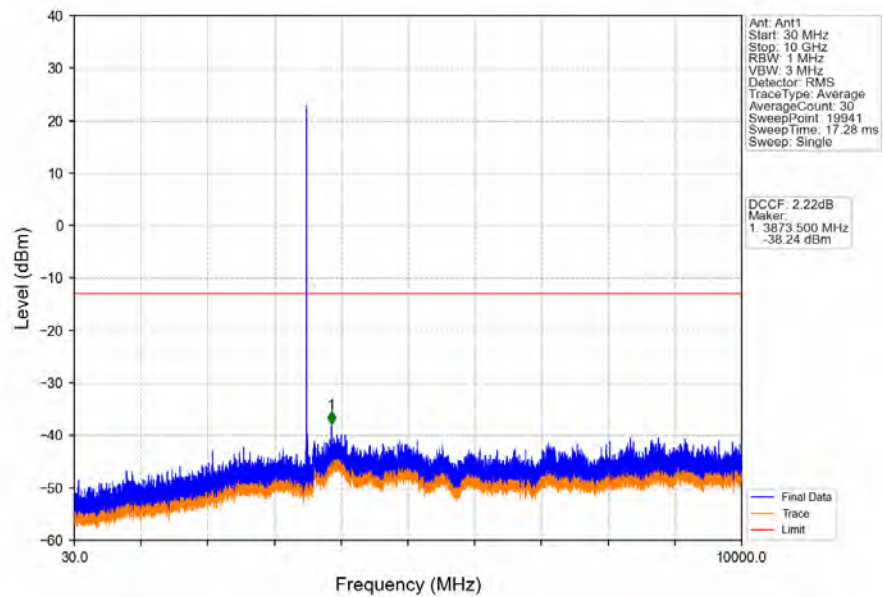
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



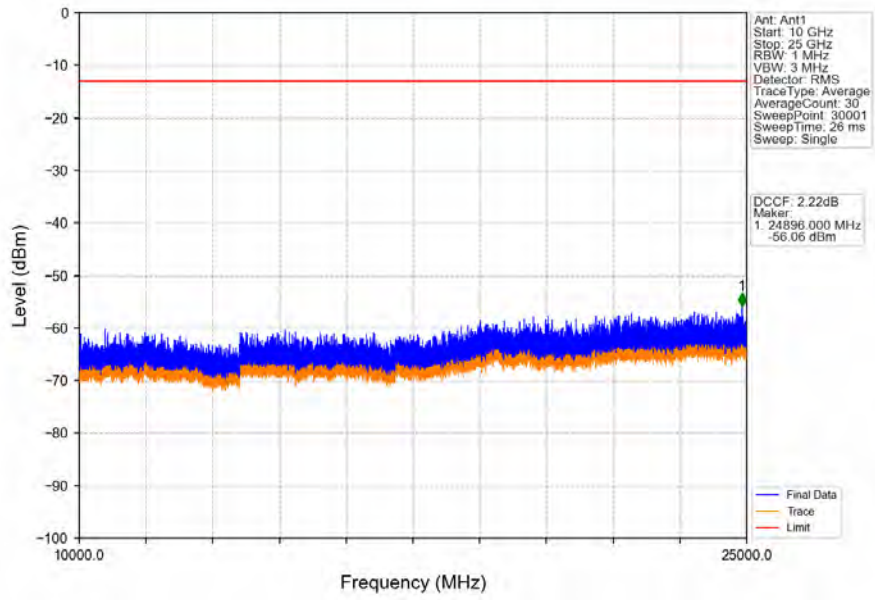
Band42a 5MHz QPSK LCH 3452.5MHz RB 25 0 NTN



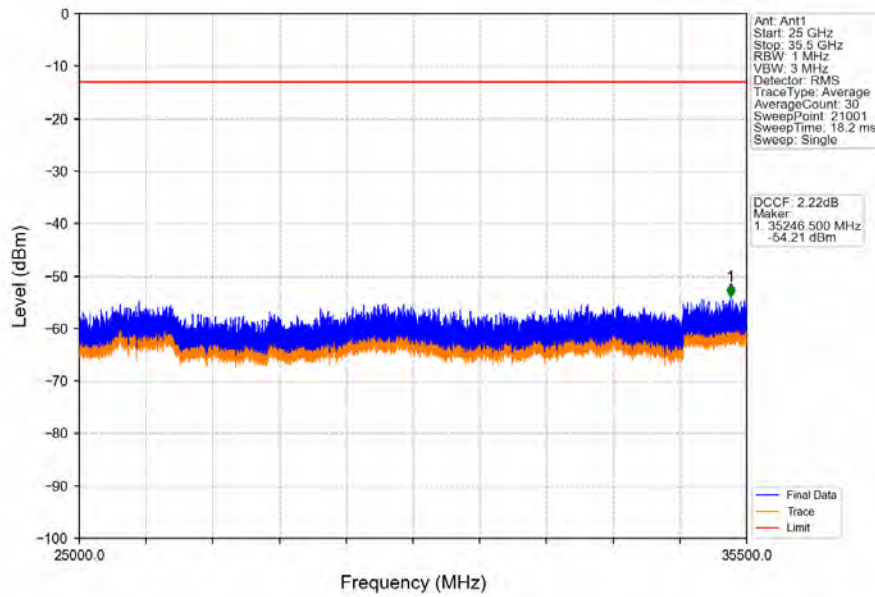
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTN



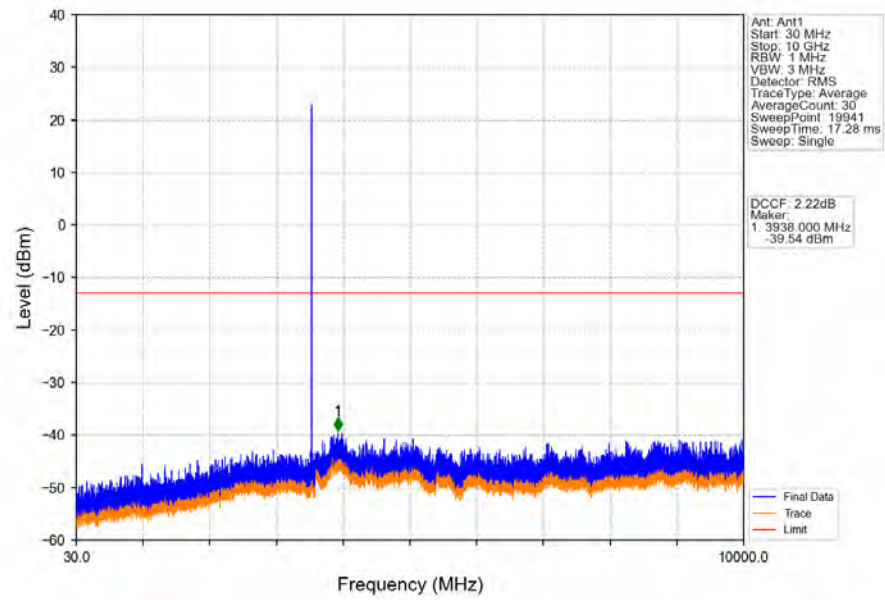
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



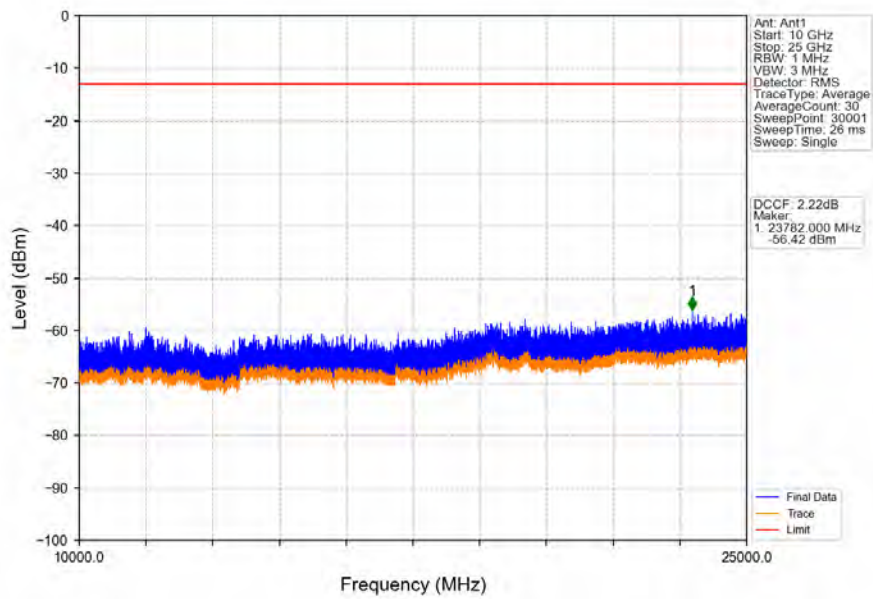
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



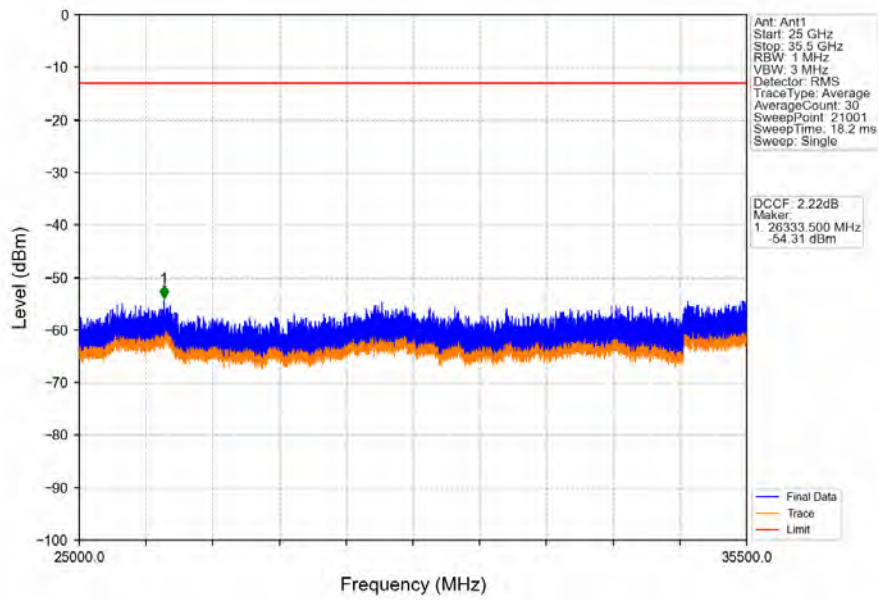
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV



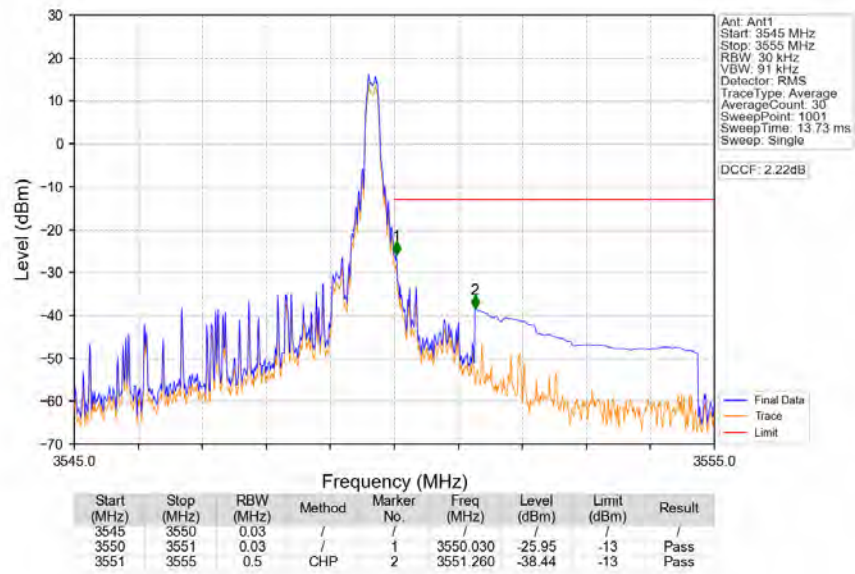
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV



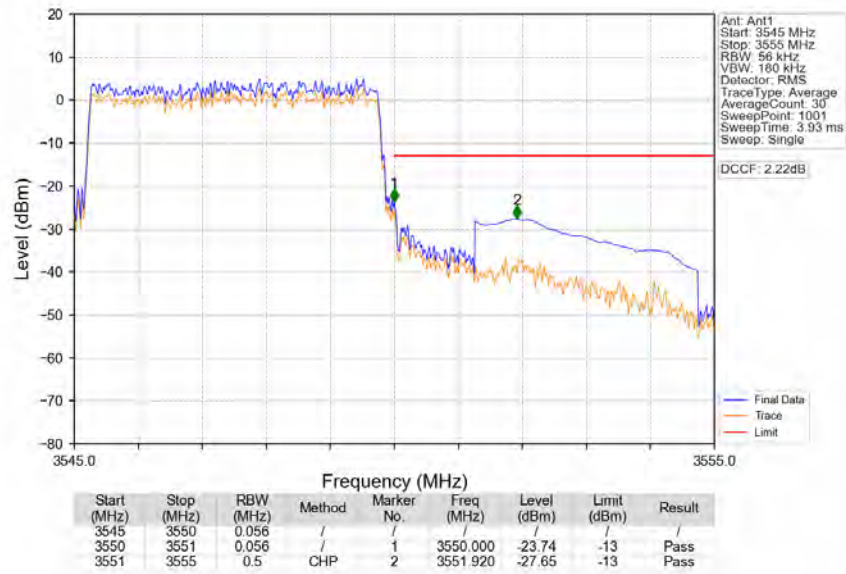
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV



Band42a 5MHz QPSK HCH 3547.5MHz RB 1 24 NTNV



Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV

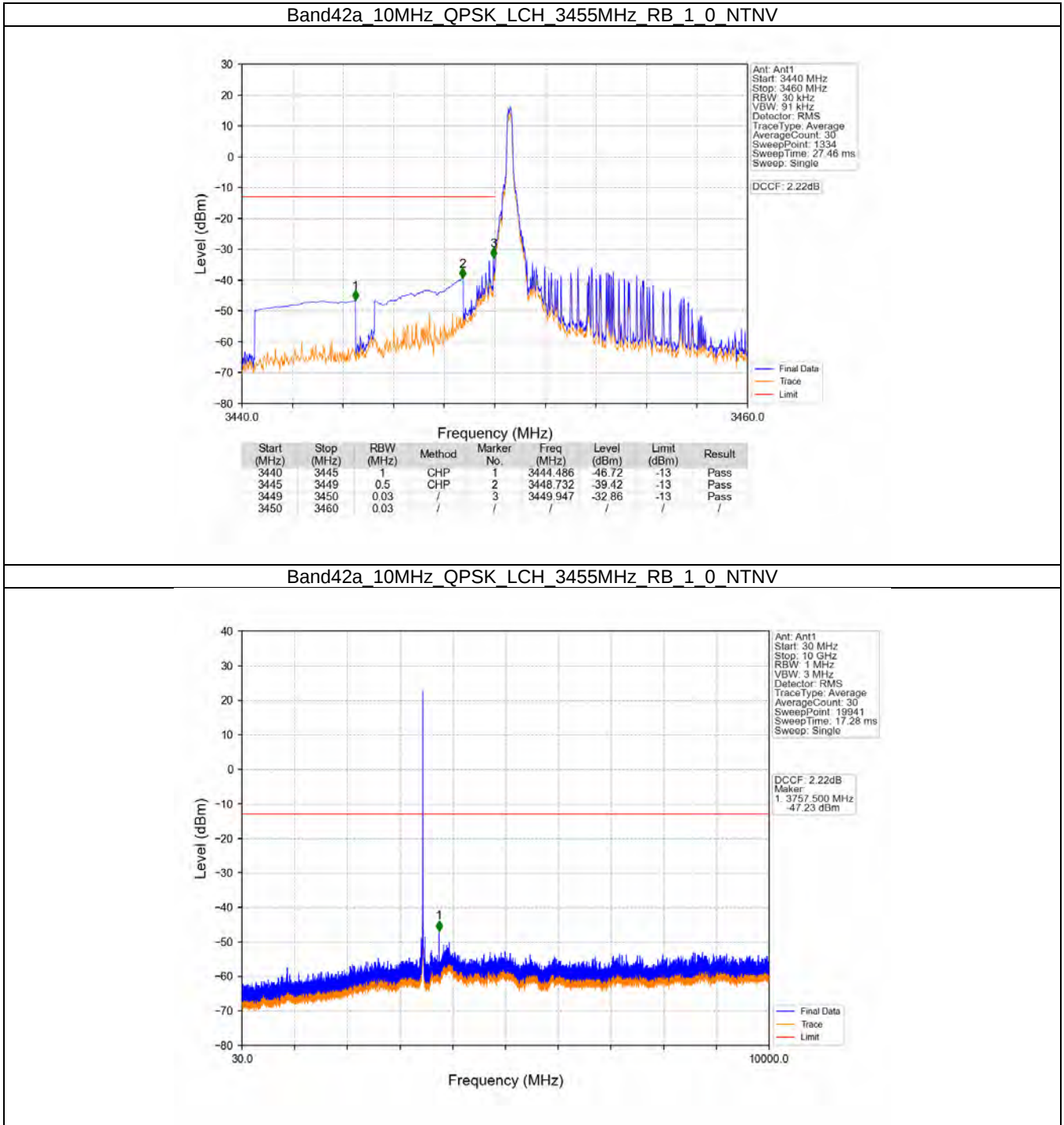


5.2 B42a_10MHz

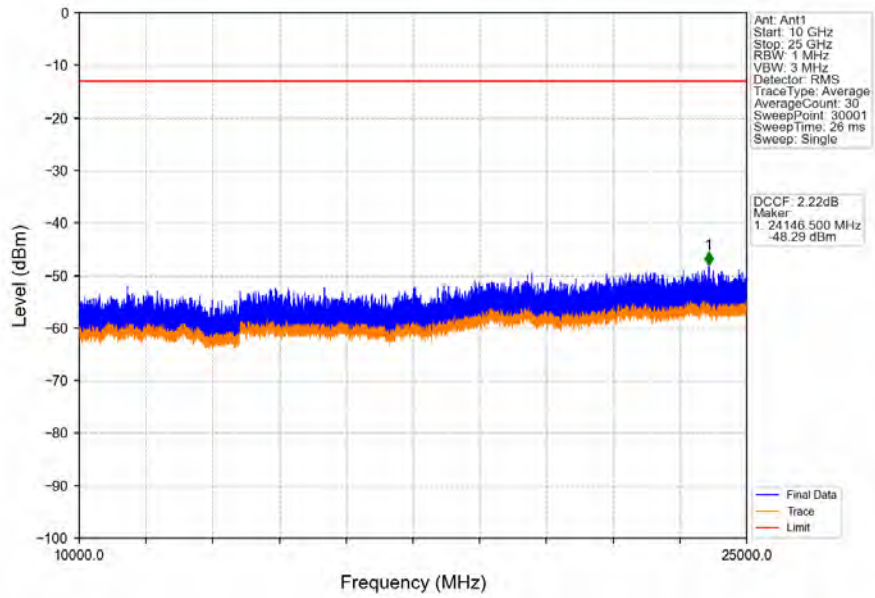
5.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3545	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

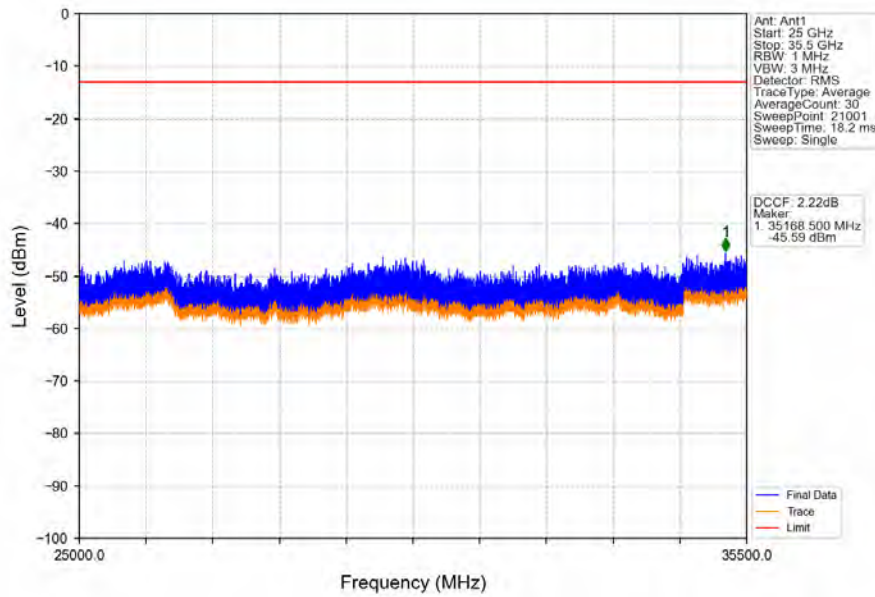
5.2.2 Test Graph



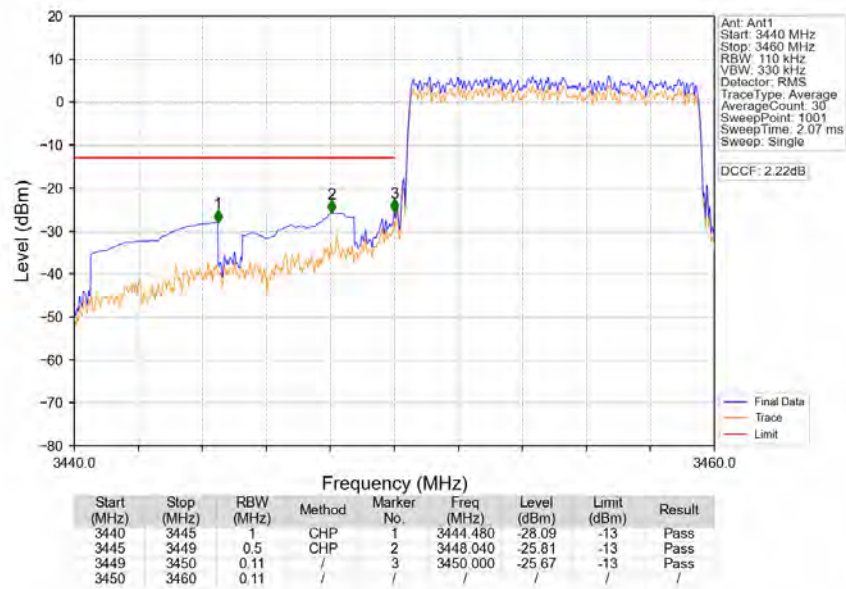
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



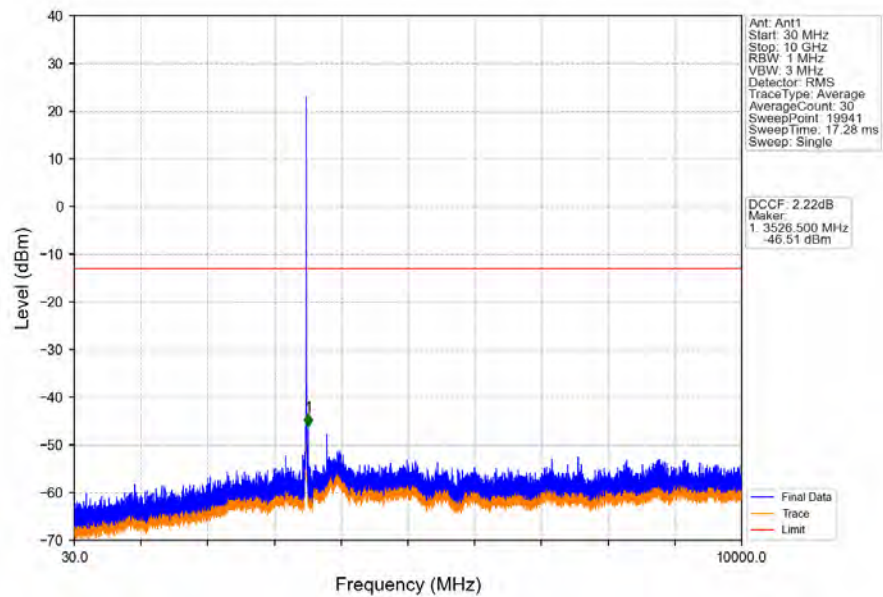
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



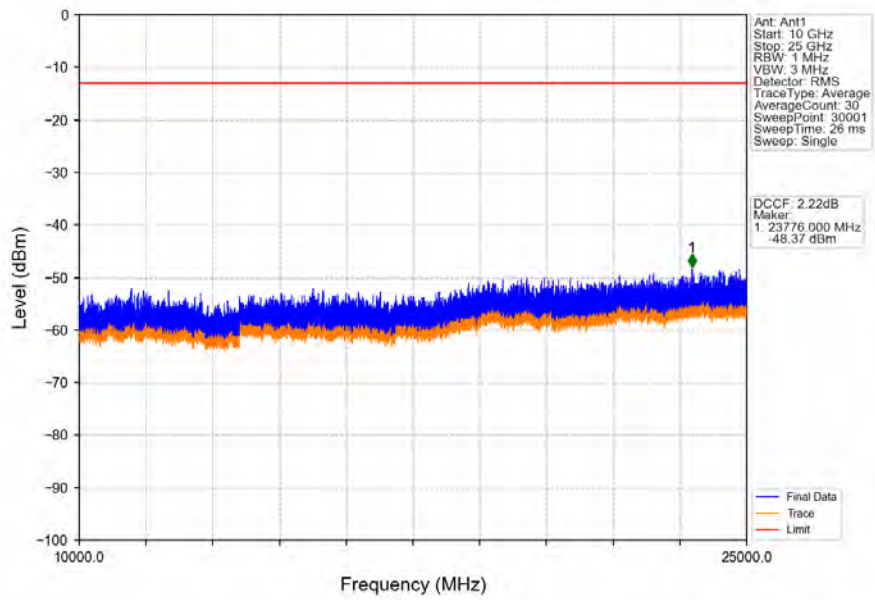
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



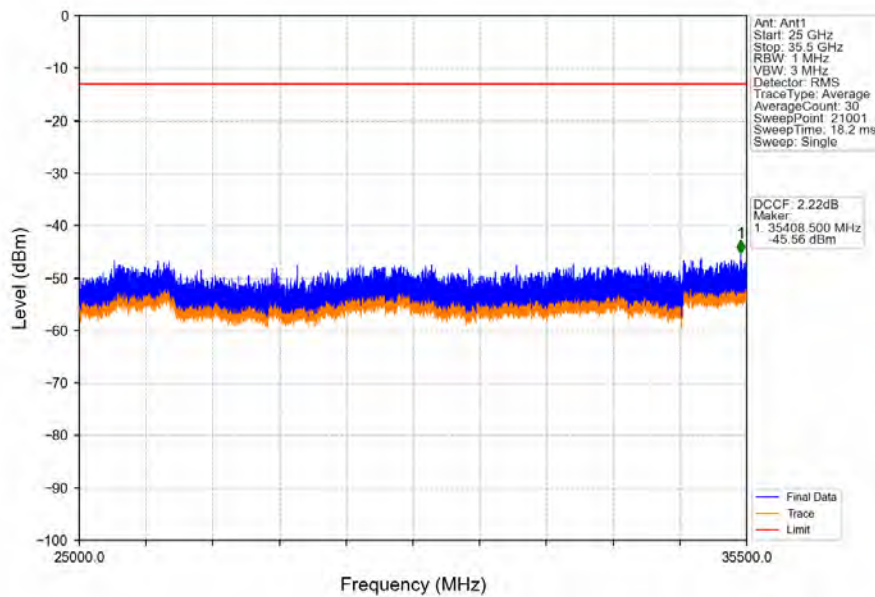
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



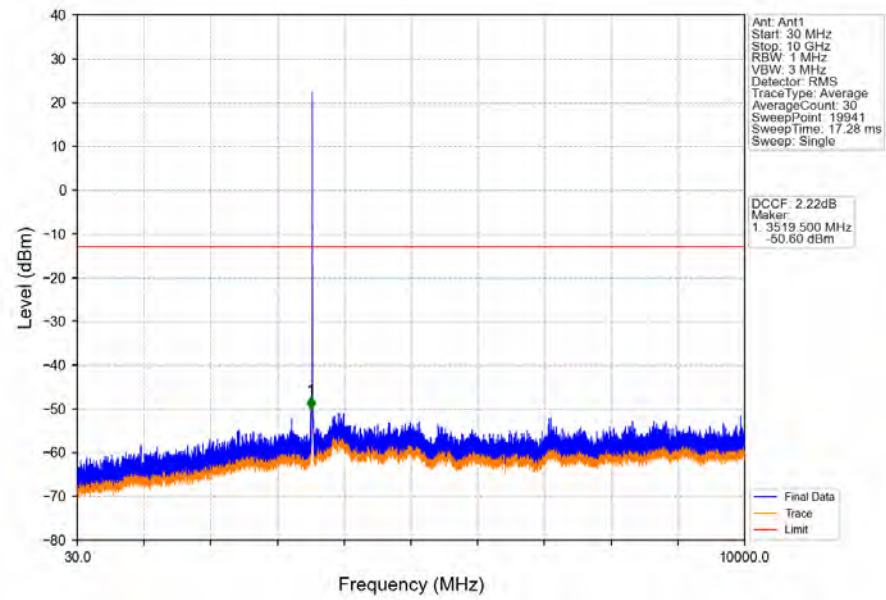
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



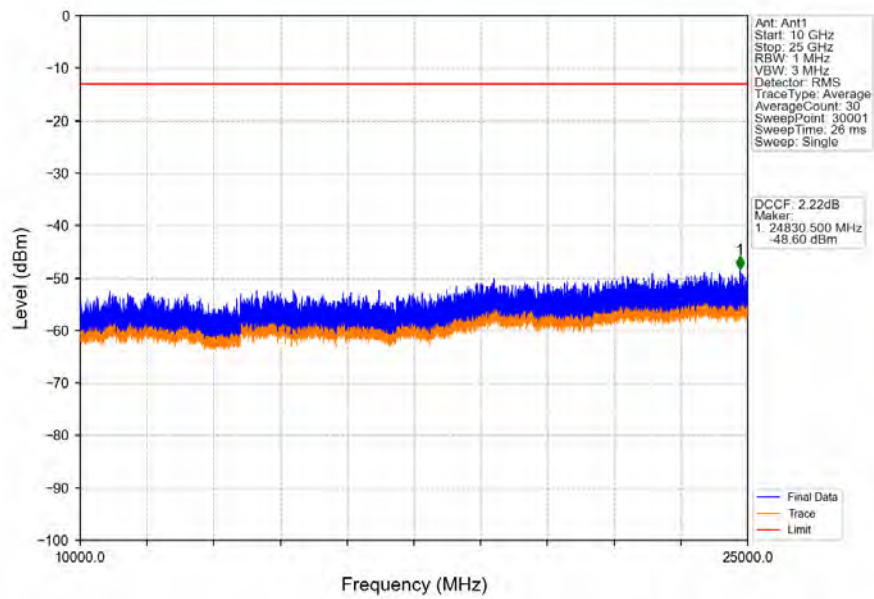
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



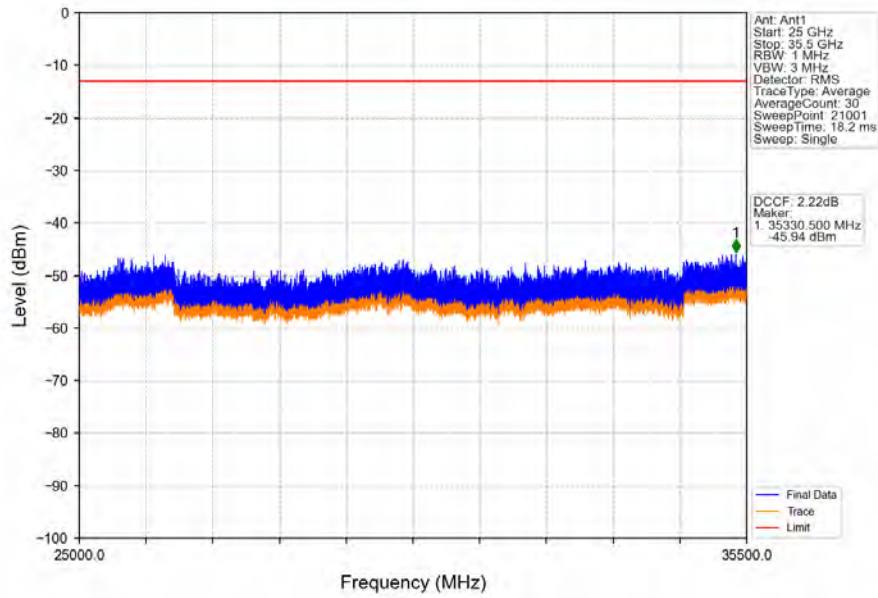
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



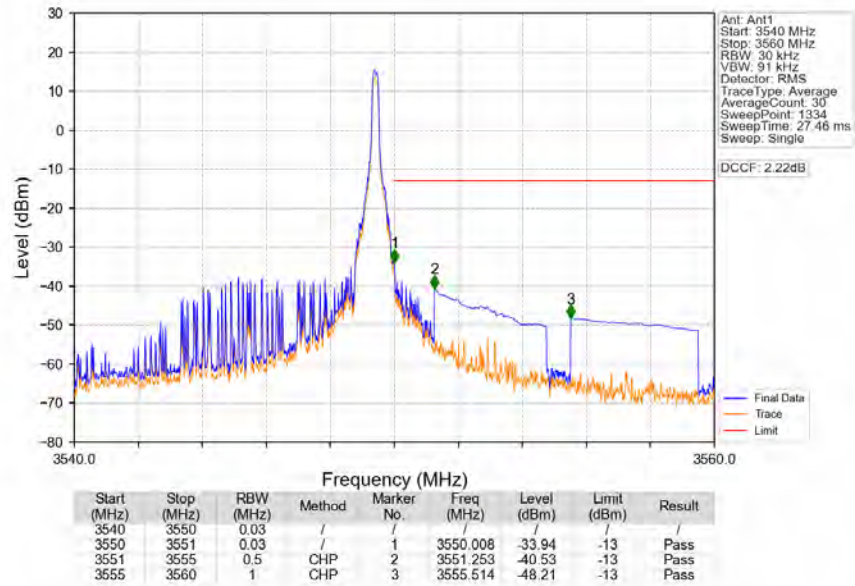
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



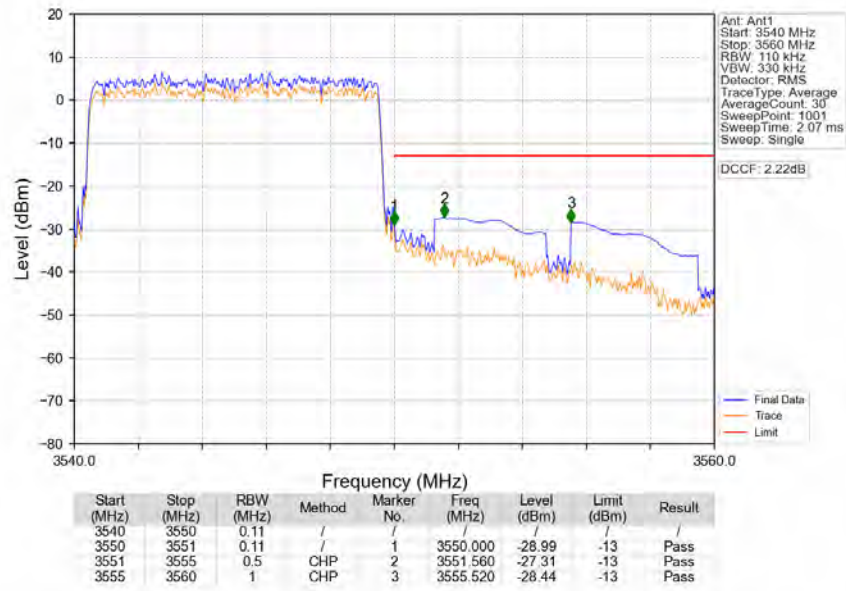
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_49_NTNV



Band42a 10MHz QPSK HCH 3545MHz RB 50 0 NTN

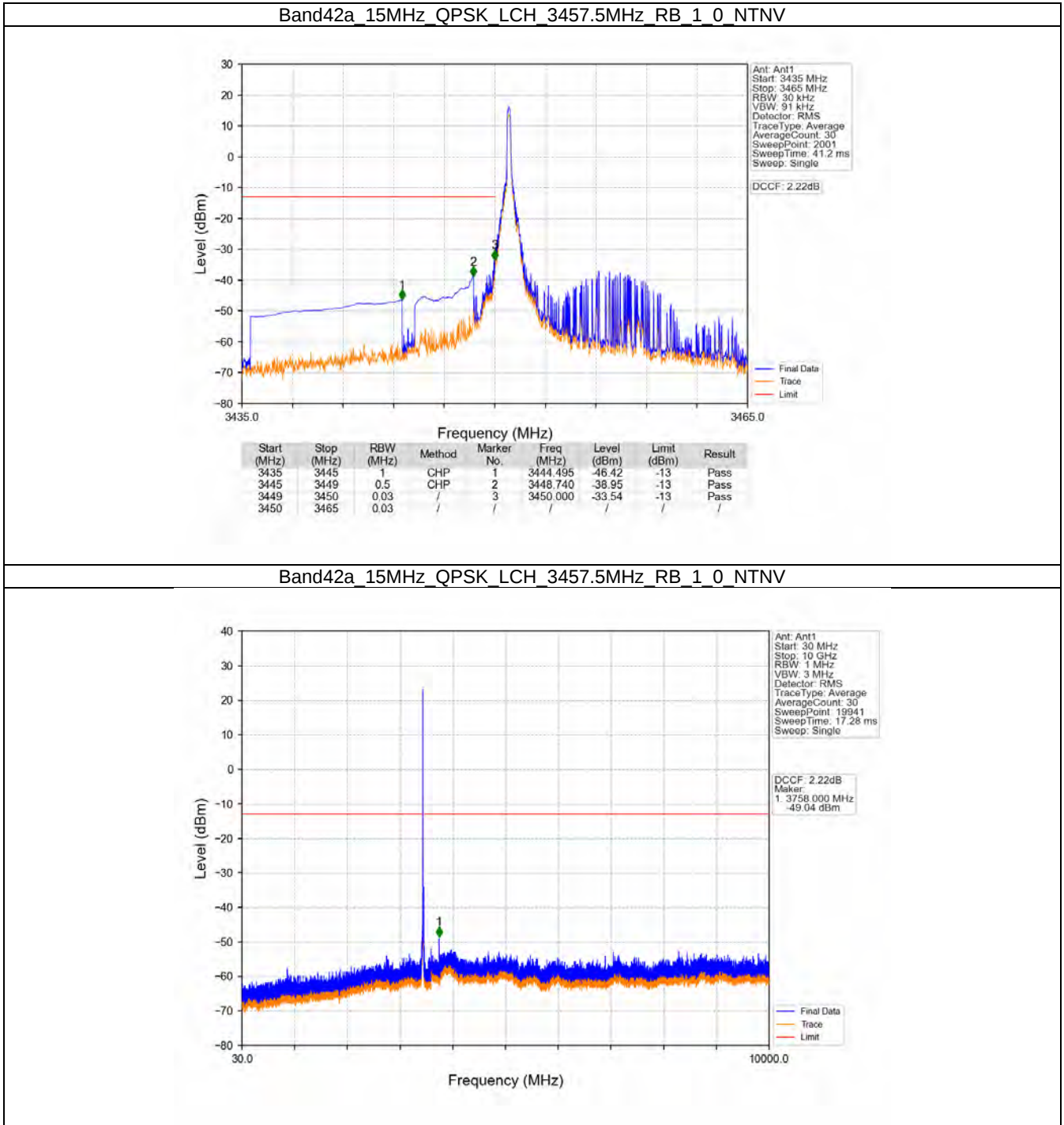


5.3 B42a_15MHz

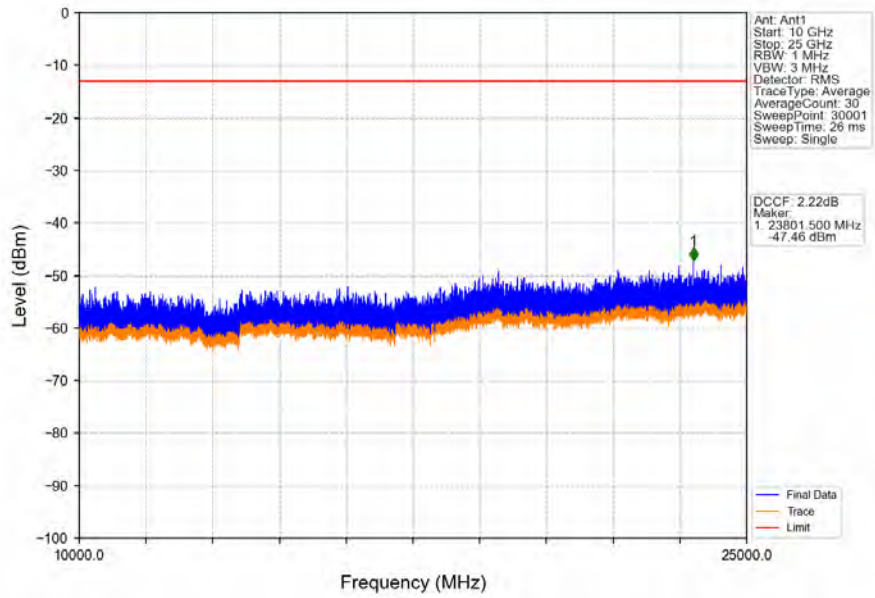
5.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3542.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

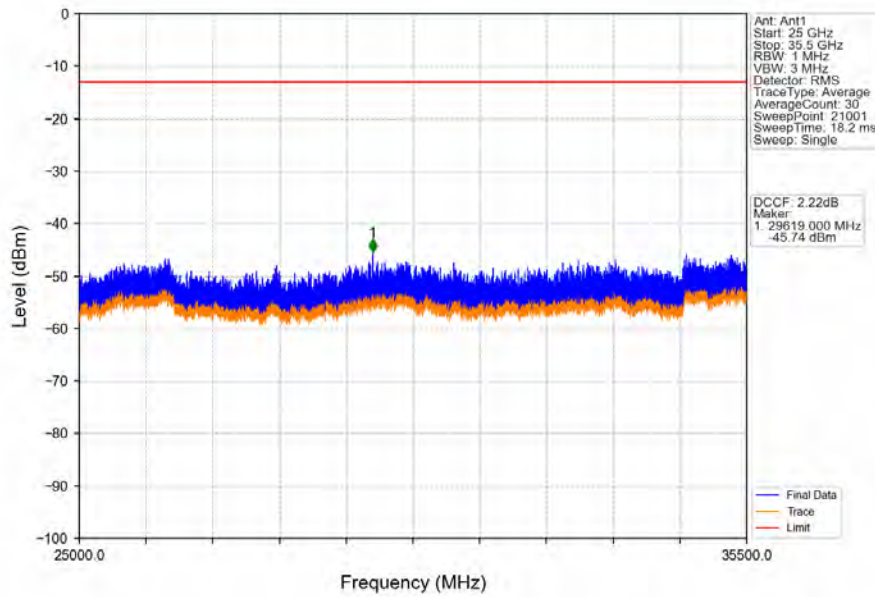
5.3.2 Test Graph



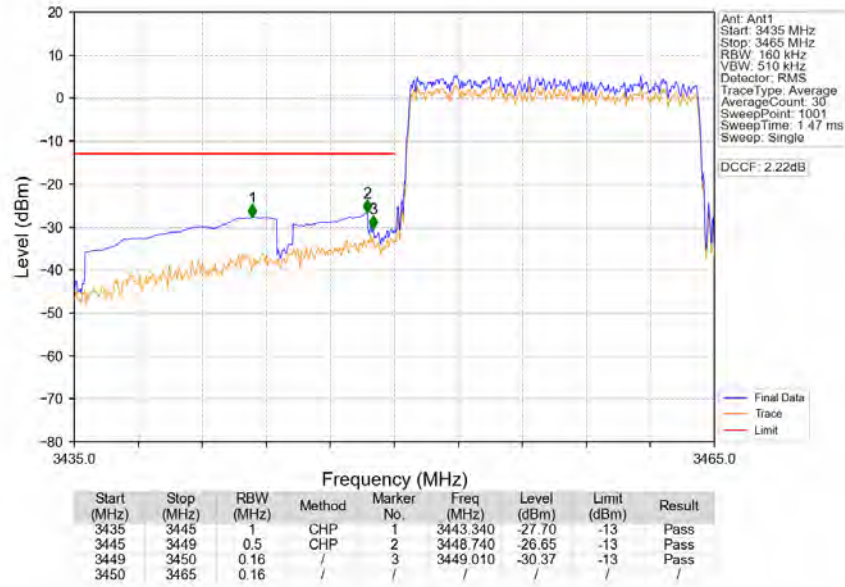
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



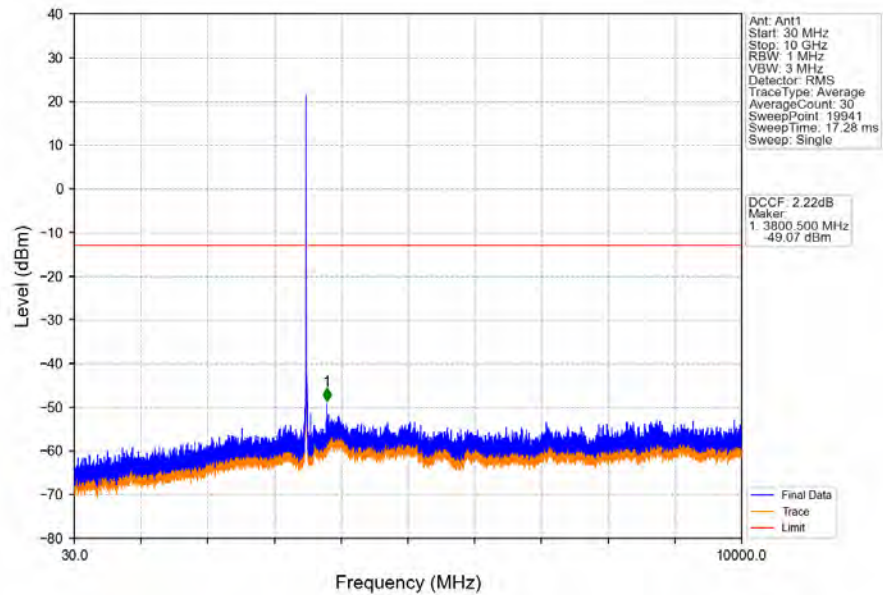
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



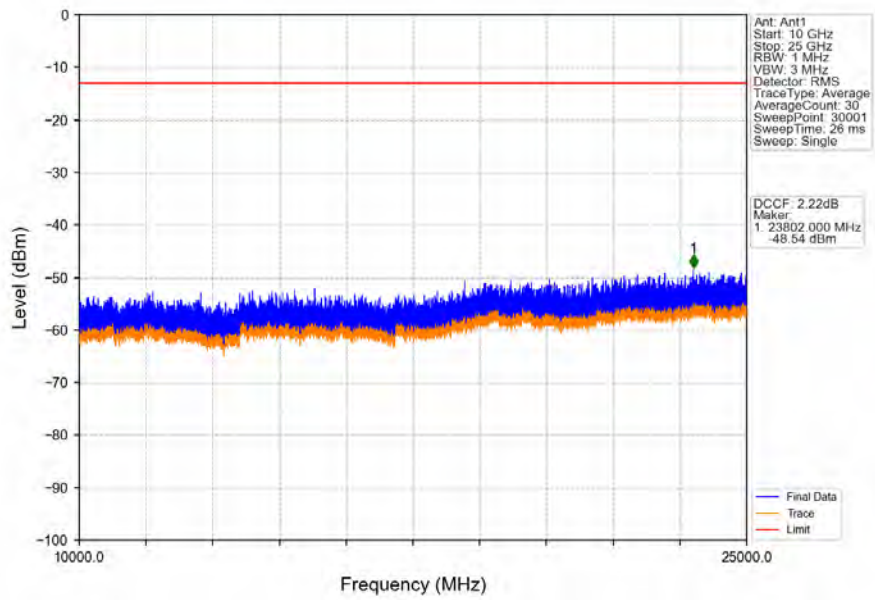
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



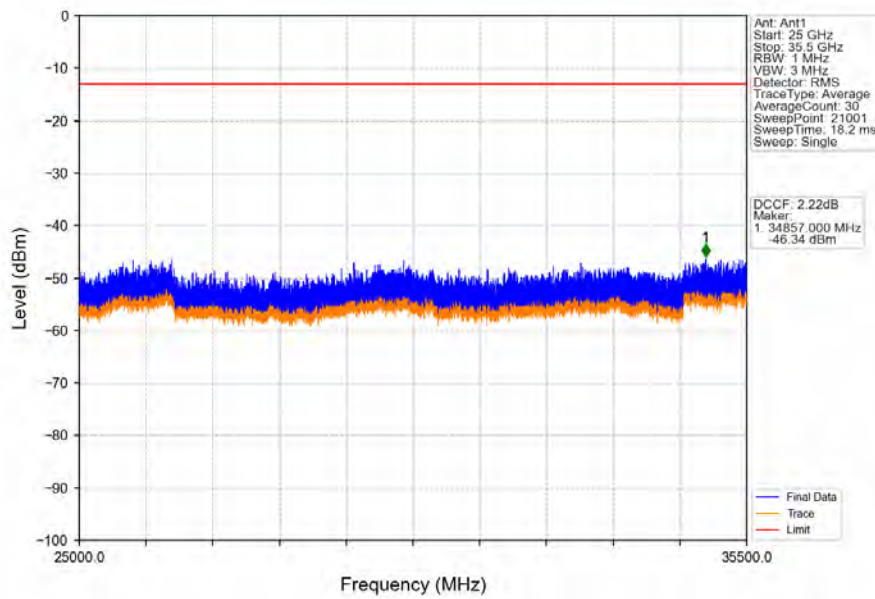
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



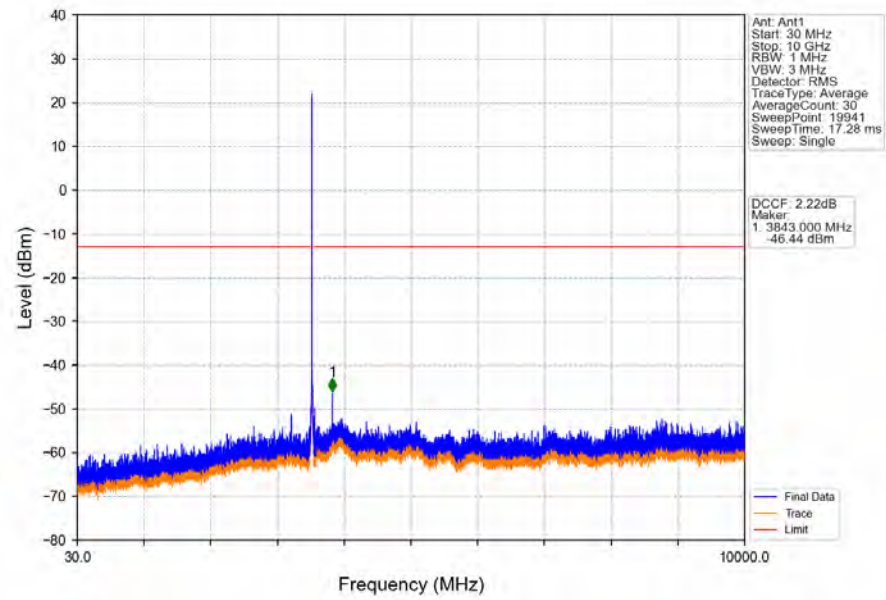
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



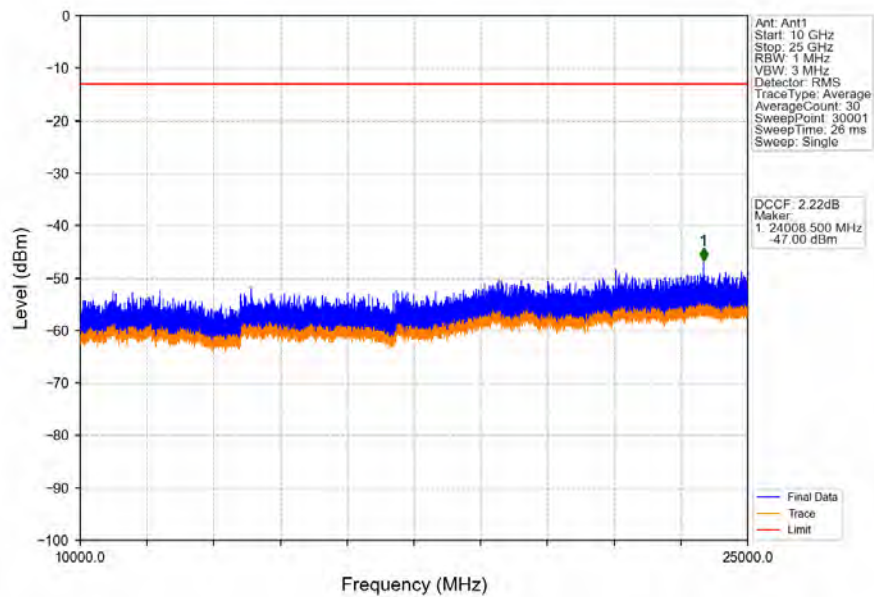
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



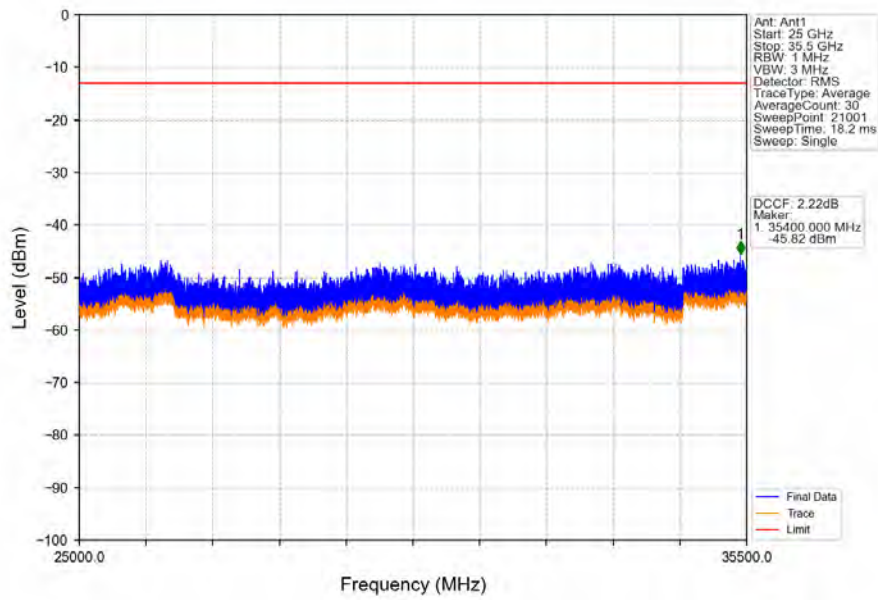
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



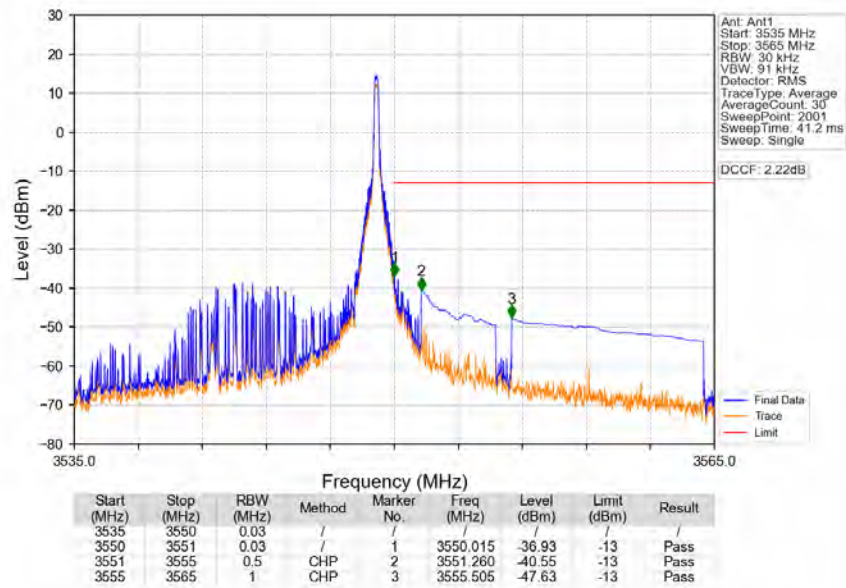
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



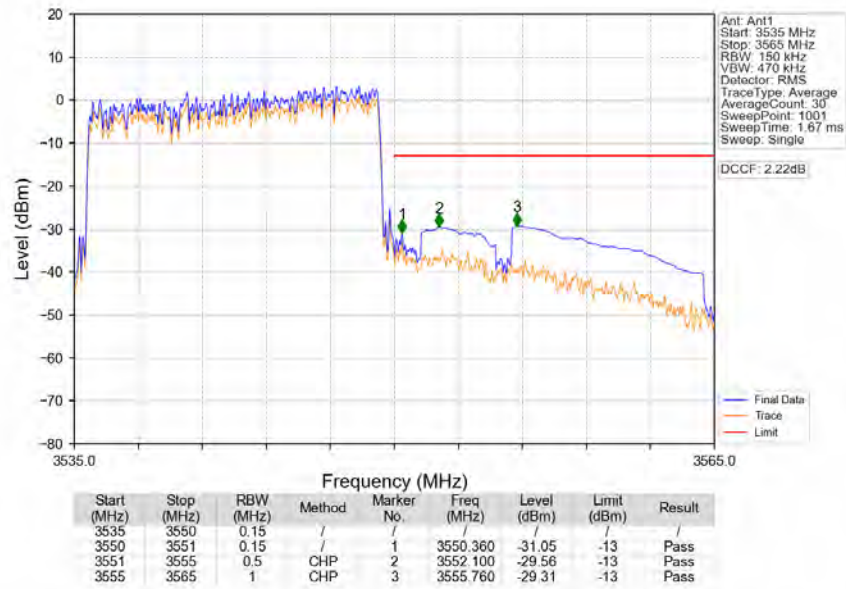
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_74_NTNV



Band42a 15MHz QPSK HCH 3542.5MHz RB 75 0 NTN

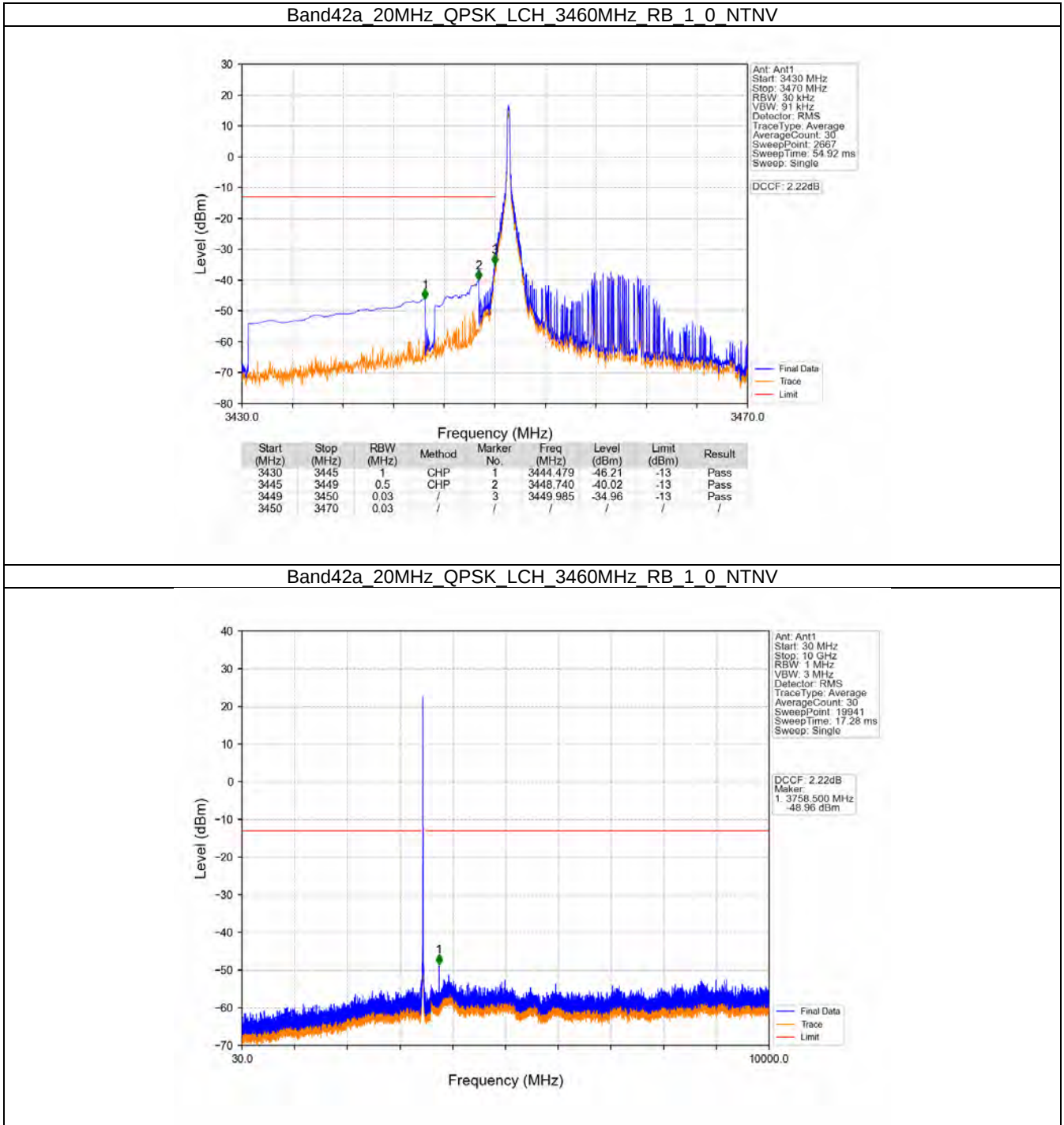


5.4 B42a_20MHz

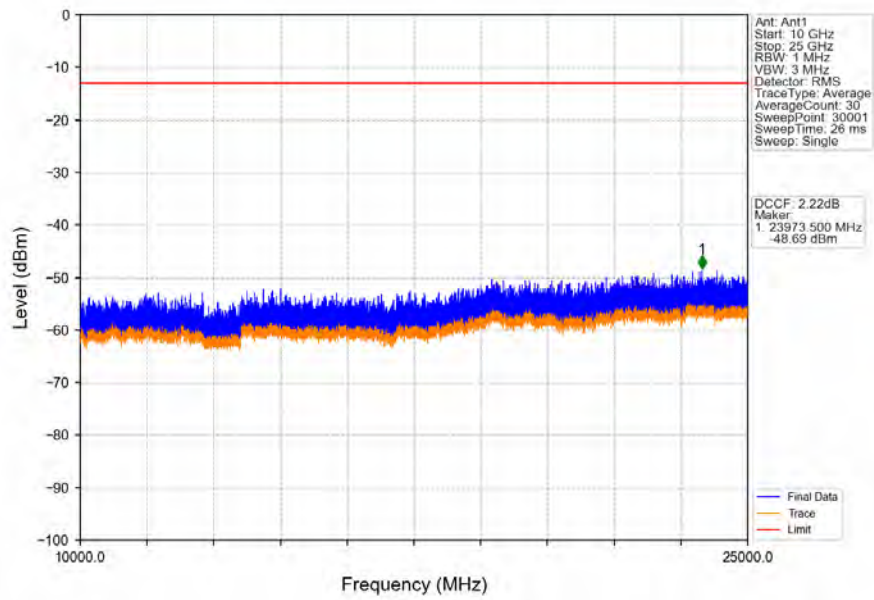
5.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

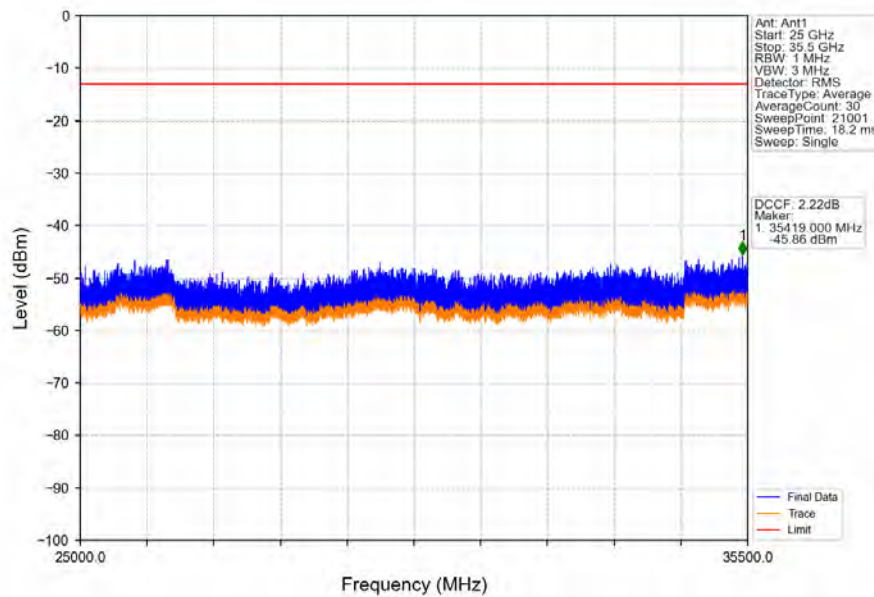
5.4.2 Test Graph



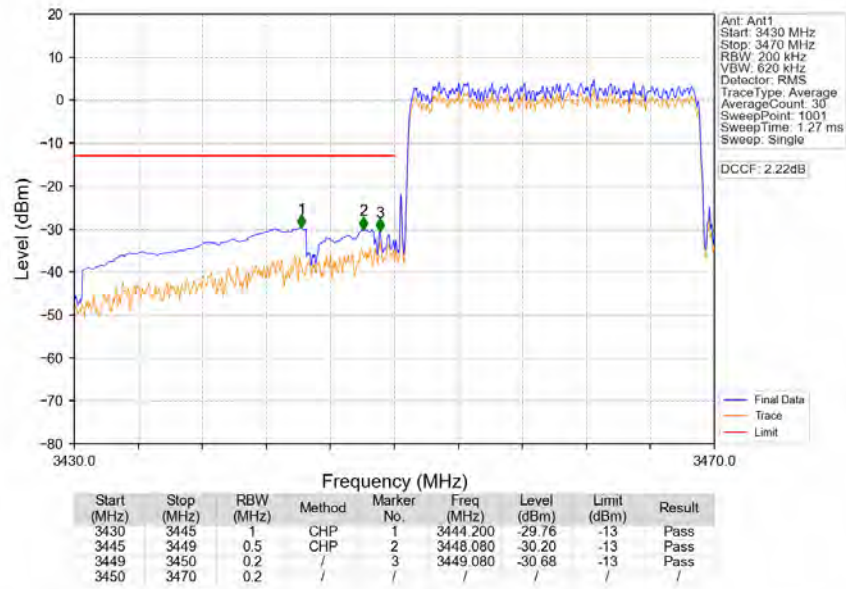
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



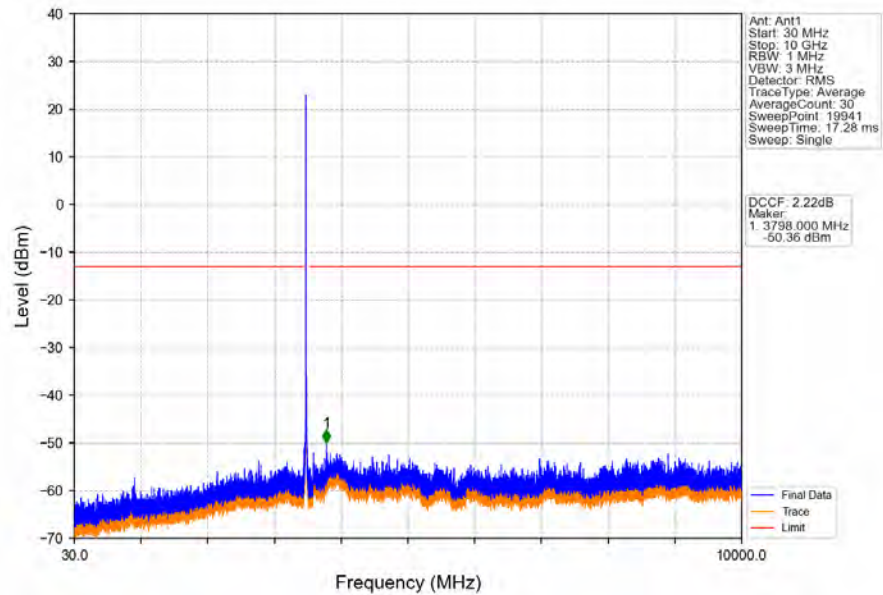
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



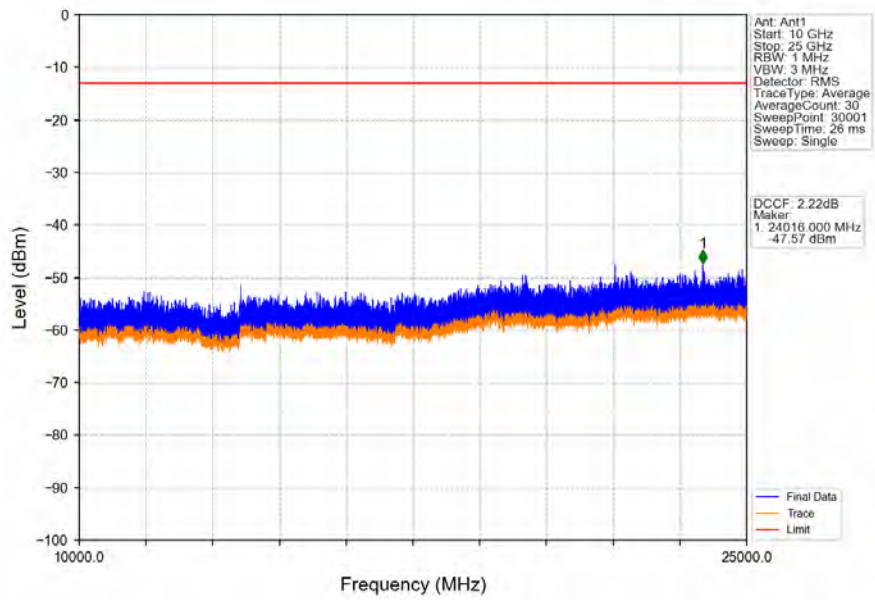
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



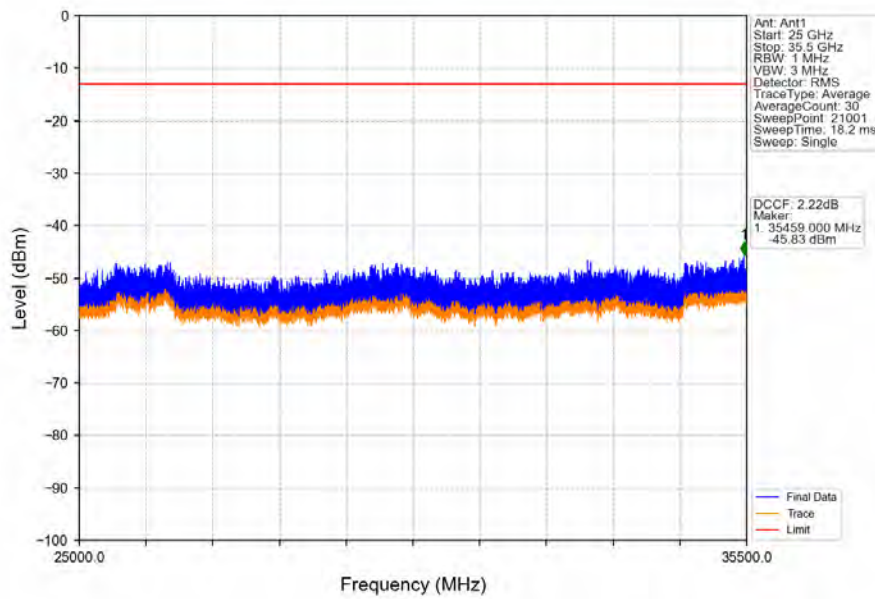
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



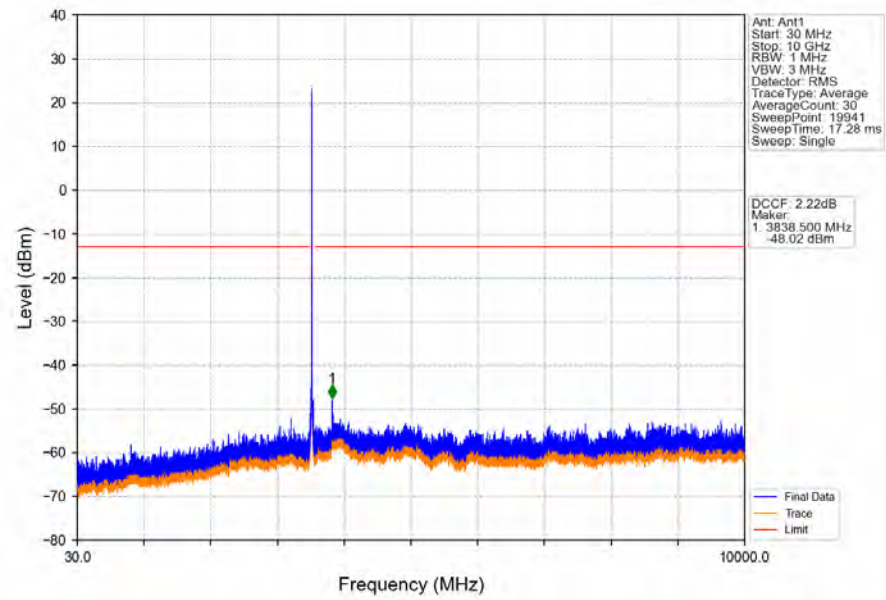
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



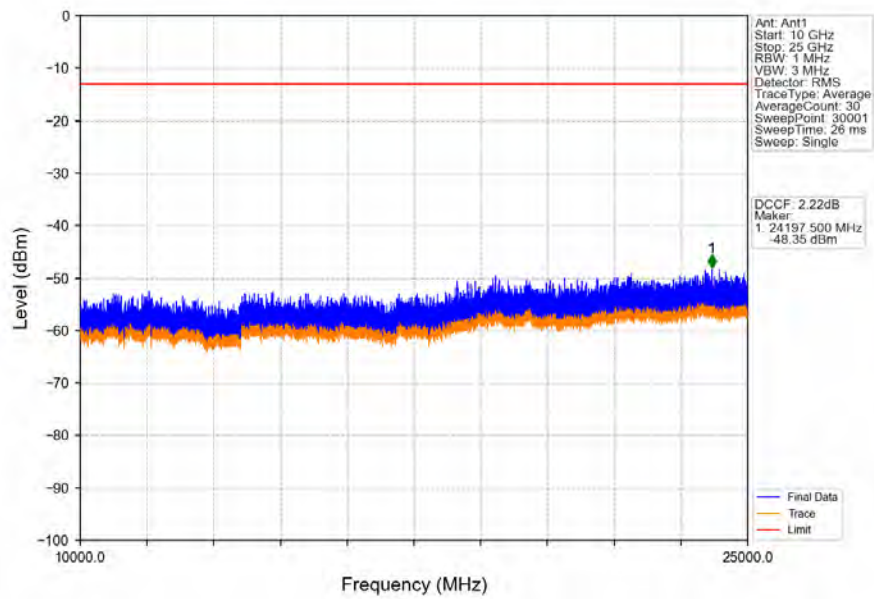
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



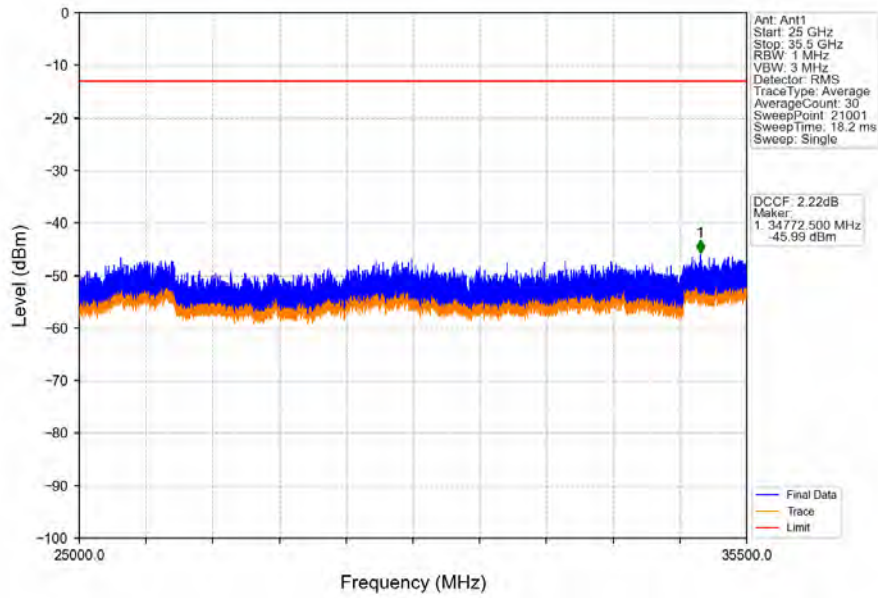
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



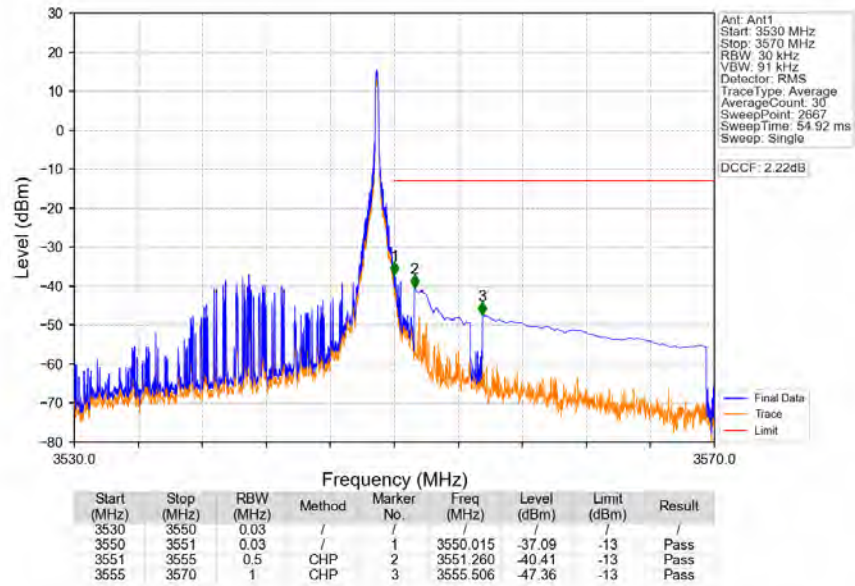
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



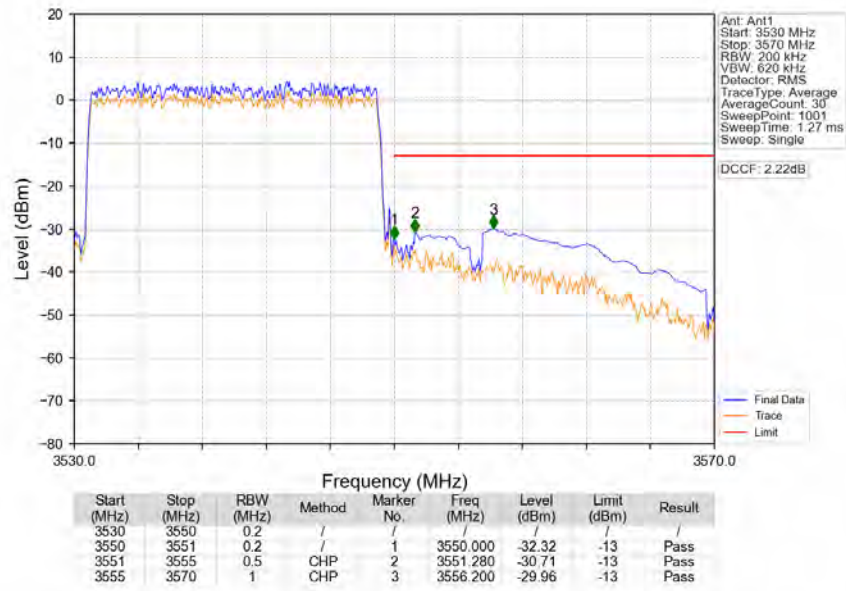
Band42a 20MHz QPSK HCH 3540MHz RB 1 0 NTN



Band42a 20MHz QPSK HCH 3540MHz RB 1 99 NTN



Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



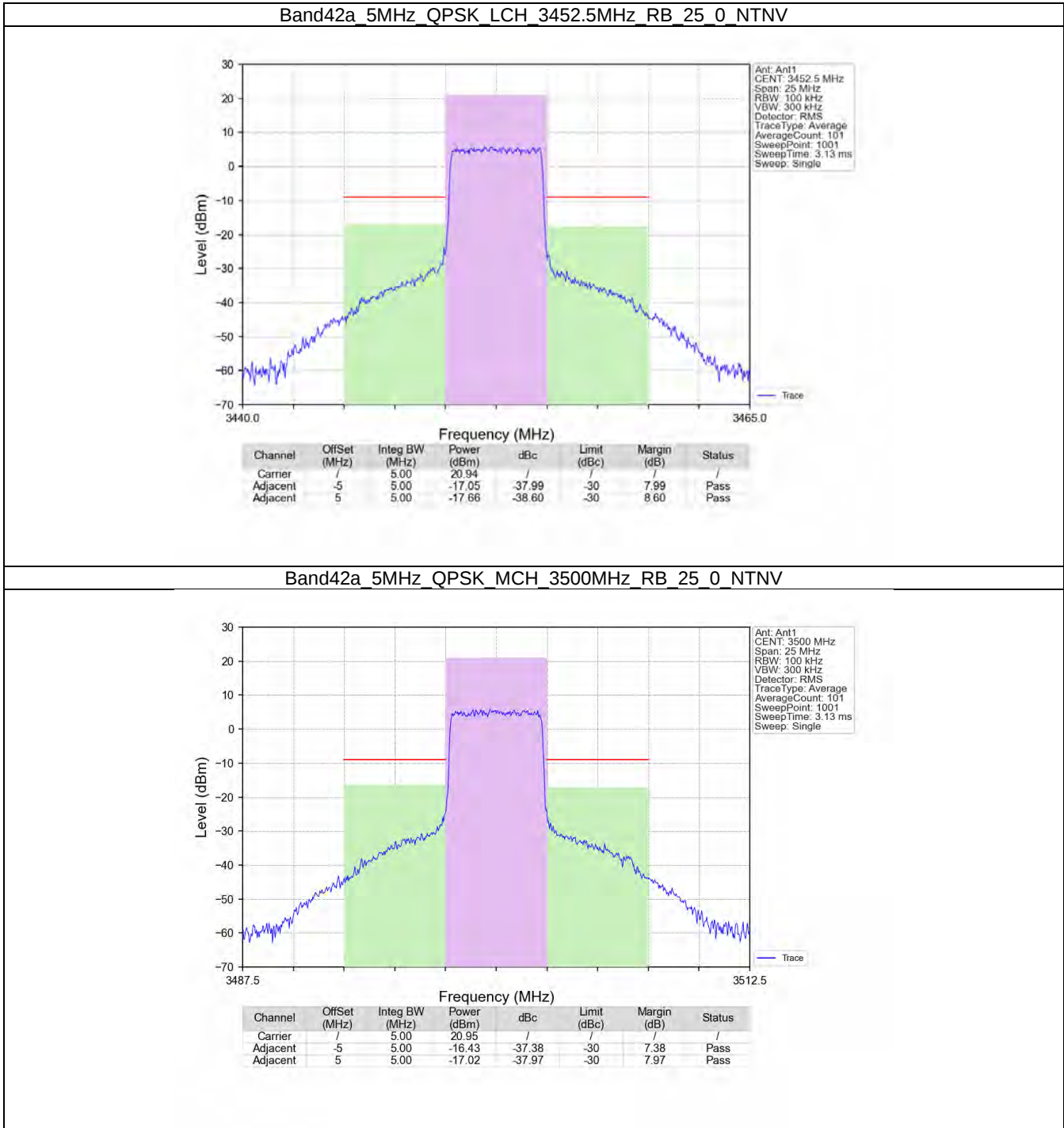
6. Adjacent Channel Leakage Ratio

6.1 B42a_5MHz

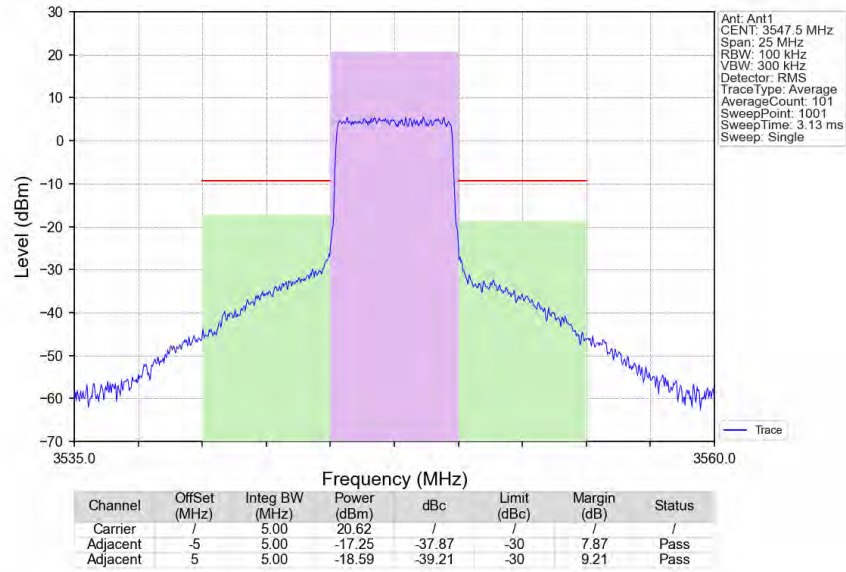
6.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	25	0	Refer To Test Graph		Pass
	3500	25	0	Refer To Test Graph		Pass
	3547.5	25	0	Refer To Test Graph		Pass
16QAM	3452.5	25	0	Refer To Test Graph		Pass
	3500	25	0	Refer To Test Graph		Pass
	3547.5	25	0	Refer To Test Graph		Pass
64QAM	3452.5	25	0	Refer To Test Graph		Pass
	3500	25	0	Refer To Test Graph		Pass
	3547.5	25	0	Refer To Test Graph		Pass
256QAM	3452.5	25	0	Refer To Test Graph		Pass
	3500	25	0	Refer To Test Graph		Pass
	3547.5	25	0	Refer To Test Graph		Pass

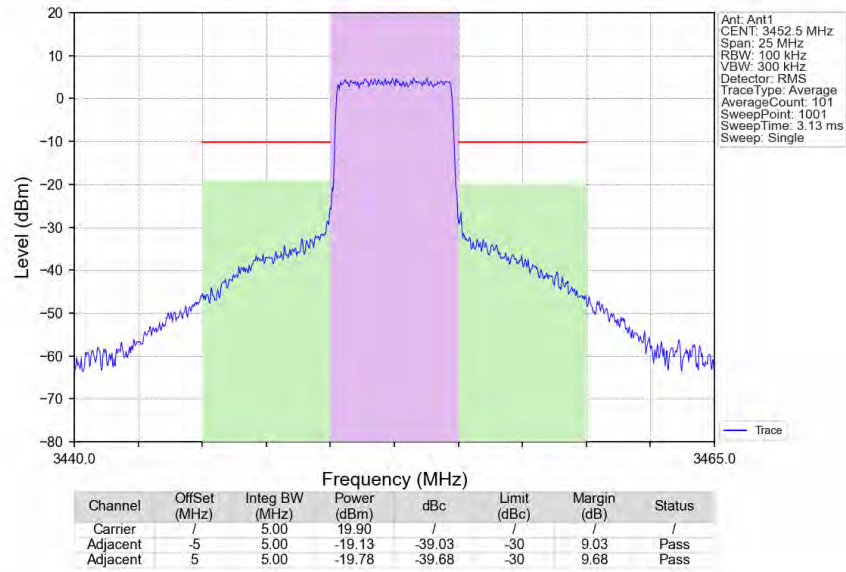
6.1.2 Test Graph



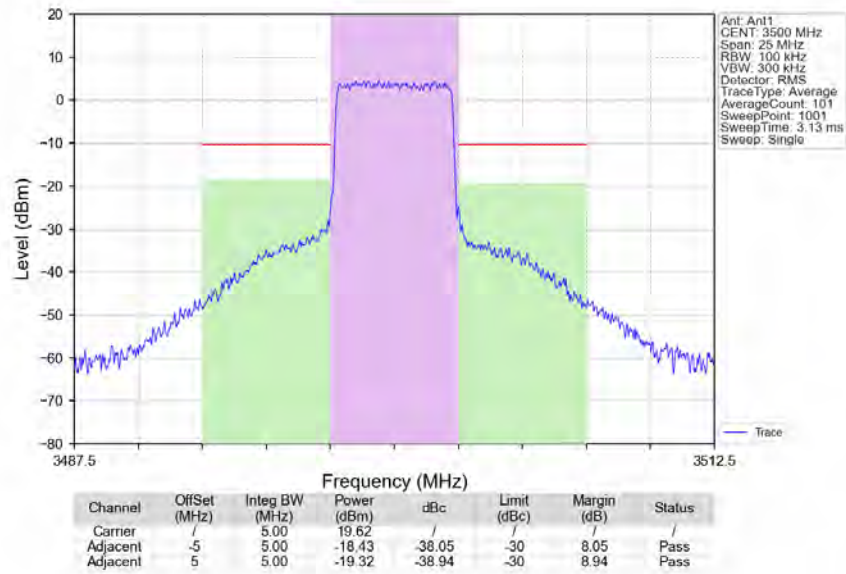
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



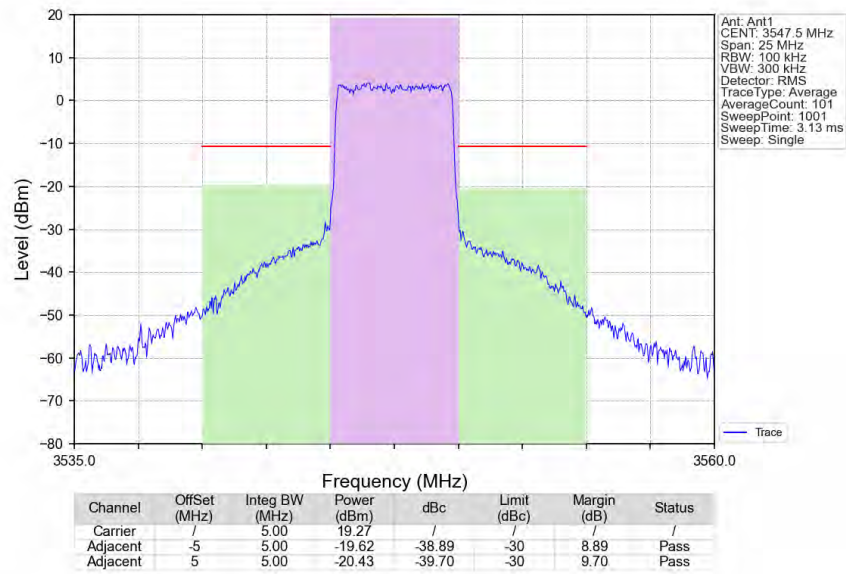
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



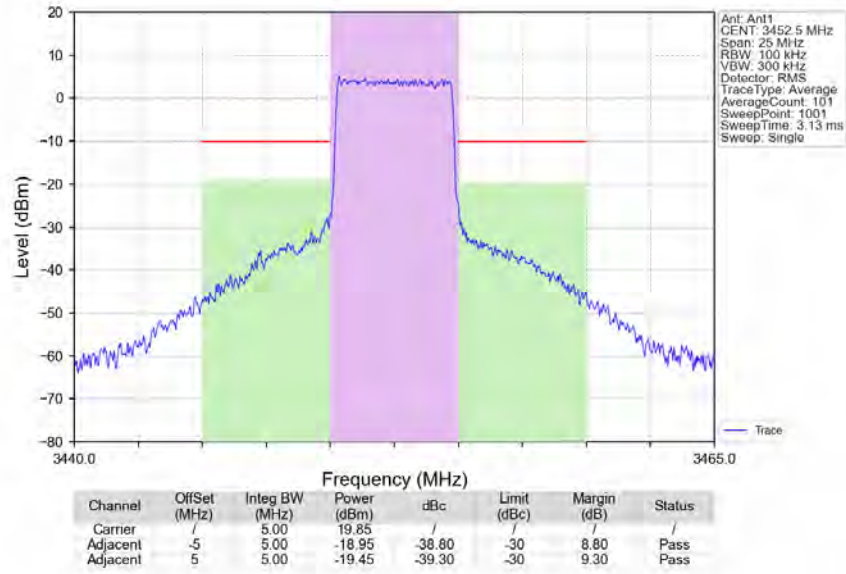
Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



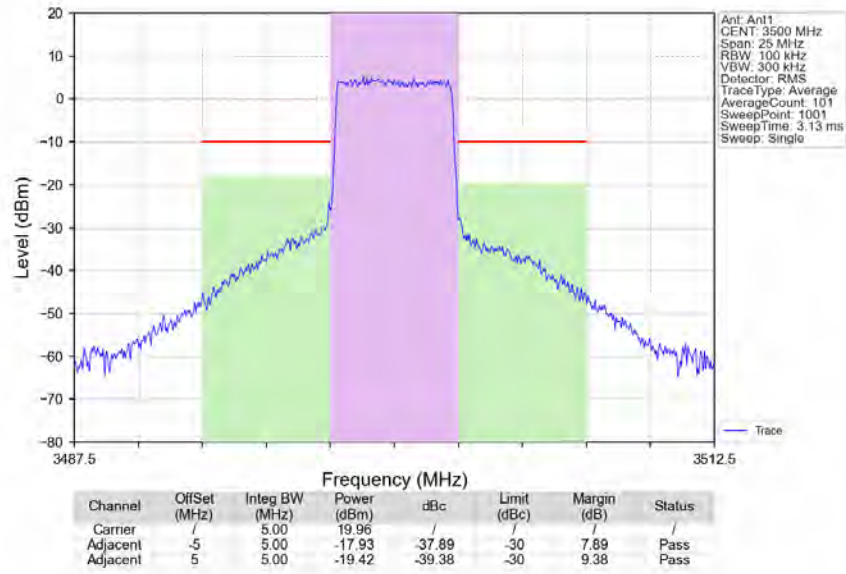
Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



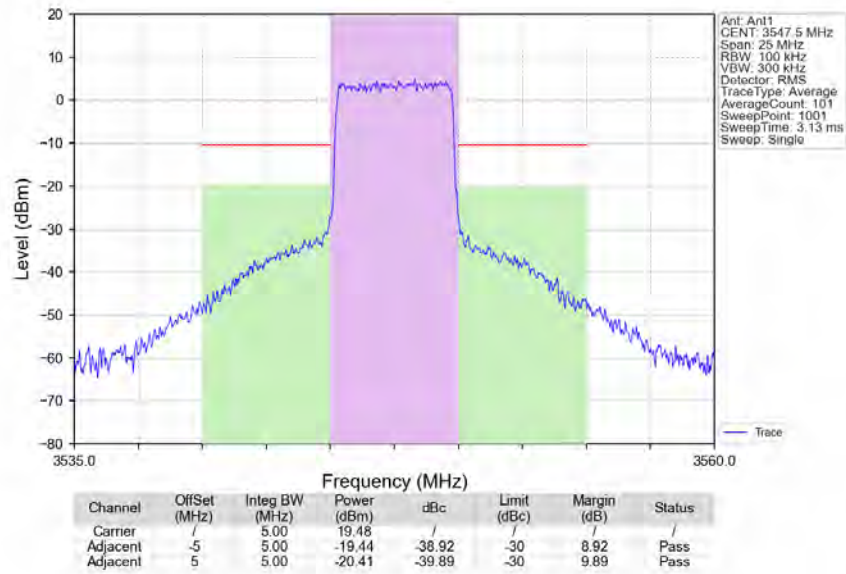
Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV



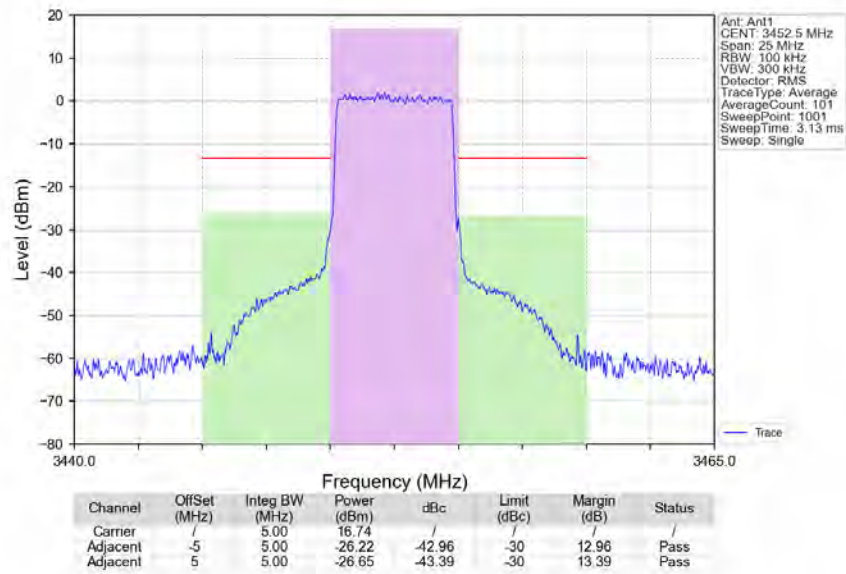
Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



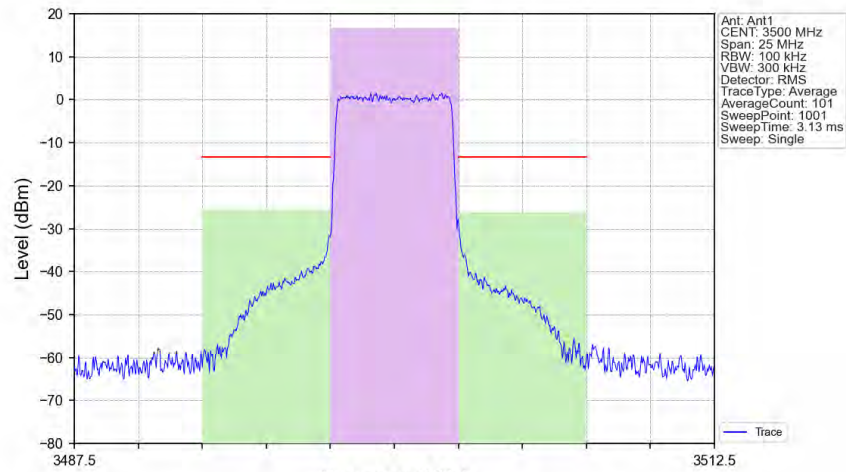
Band42a 5MHz 64QAM HCH 3547.5MHz RB 25 0 NTN



Band42a 5MHz 256QAM LCH 3452.5MHz RB 25 0 NTN

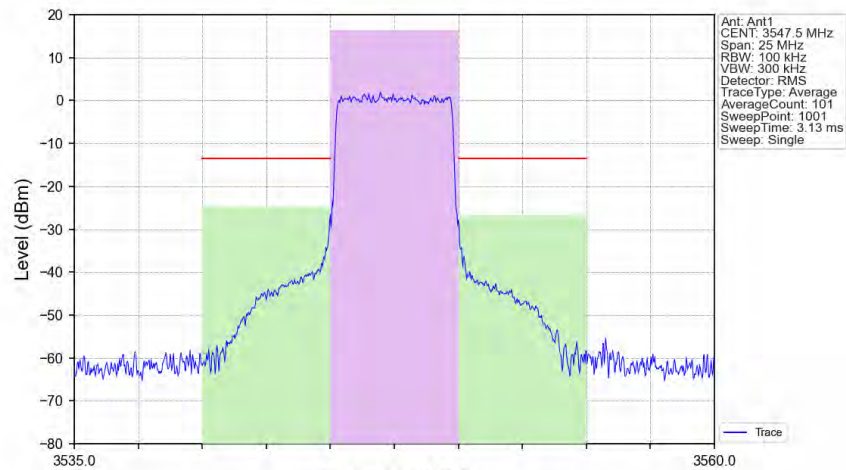


Band42a_5MHz_256QAM_MCH_3500MHz_RB_25_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	16.62	/	/	/	/
Adjacent	-5	5.00	-25.45	-42.07	-30	12.07	Pass
Adjacent	5	5.00	-26.29	-42.91	-30	12.91	Pass

Band42a_5MHz_256QAM_HCH_3547.5MHz_RB_25_0_NTNV



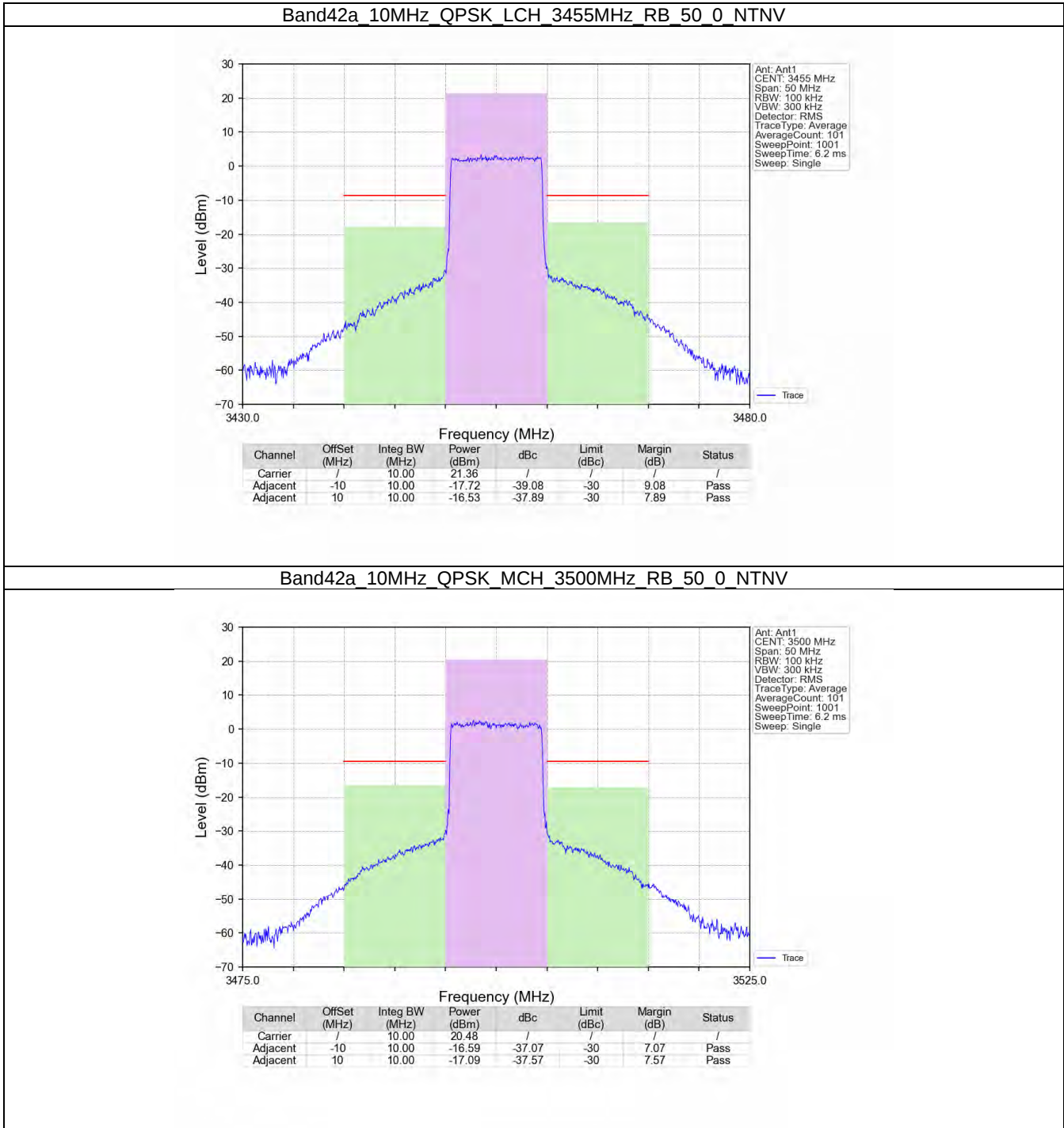
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	16.53	/	/	/	/
Adjacent	-5	5.00	-24.86	-41.39	-30	11.39	Pass
Adjacent	5	5.00	-26.72	-43.25	-30	13.25	Pass

6.2 B42a_10MHz

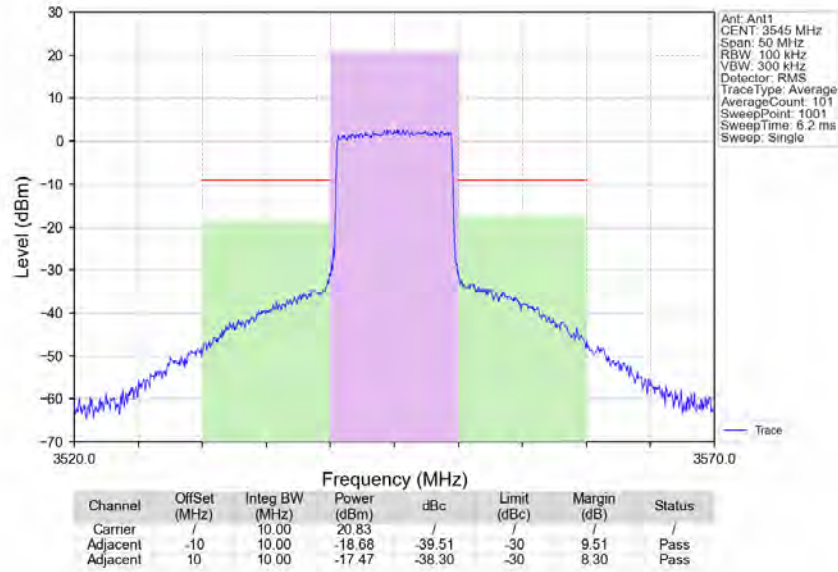
6.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	50	0	Refer To Test Graph		Pass
	3500	50	0	Refer To Test Graph		Pass
	3545	50	0	Refer To Test Graph		Pass
16QAM	3455	50	0	Refer To Test Graph		Pass
	3500	50	0	Refer To Test Graph		Pass
	3545	50	0	Refer To Test Graph		Pass
64QAM	3455	50	0	Refer To Test Graph		Pass
	3500	50	0	Refer To Test Graph		Pass
	3545	50	0	Refer To Test Graph		Pass
256QAM	3455	50	0	Refer To Test Graph		Pass
	3500	50	0	Refer To Test Graph		Pass
	3545	50	0	Refer To Test Graph		Pass

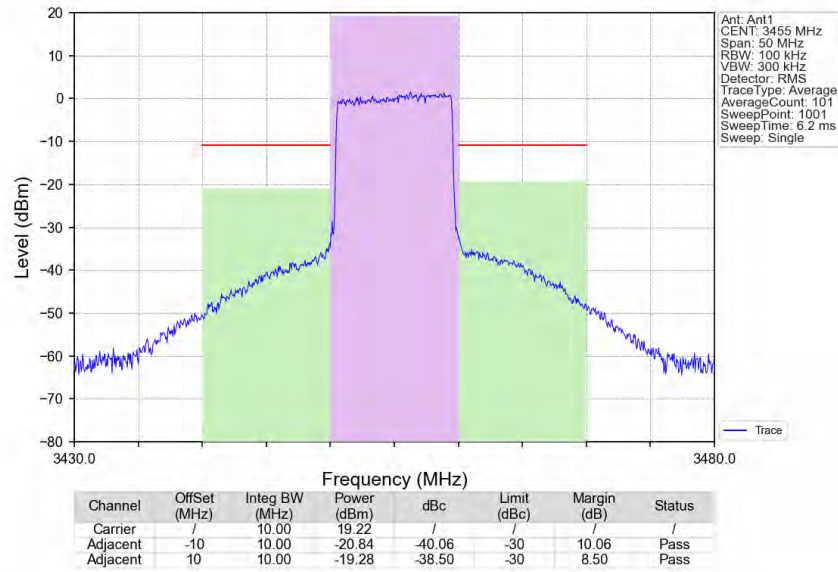
6.2.2 Test Graph



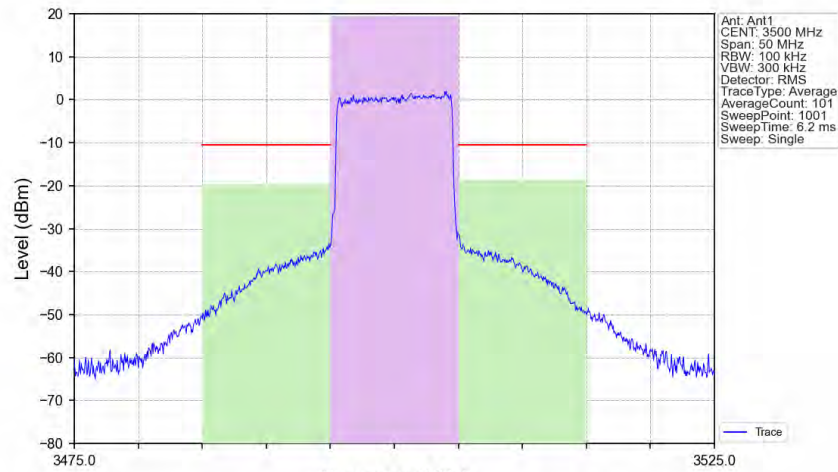
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV

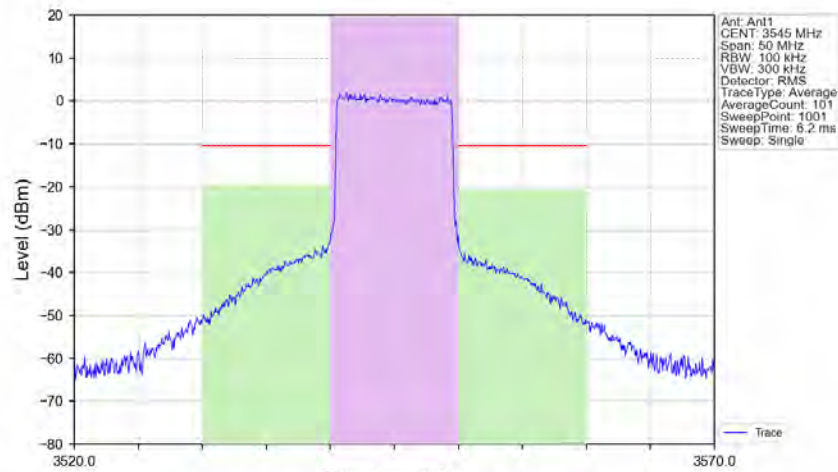


Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



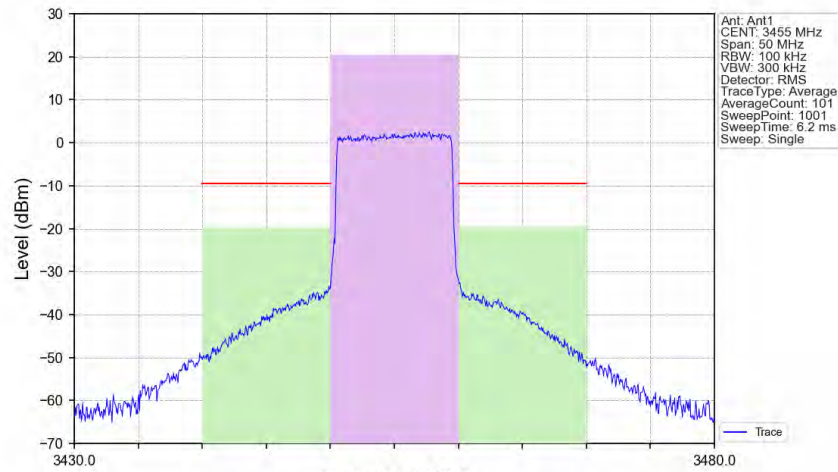
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	19.48	/	/	/	/
Adjacent	-10	10.00	-19.60	-39.08	-30	9.08	Pass
Adjacent	10	10.00	-18.56	-38.04	-30	8.04	Pass

Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



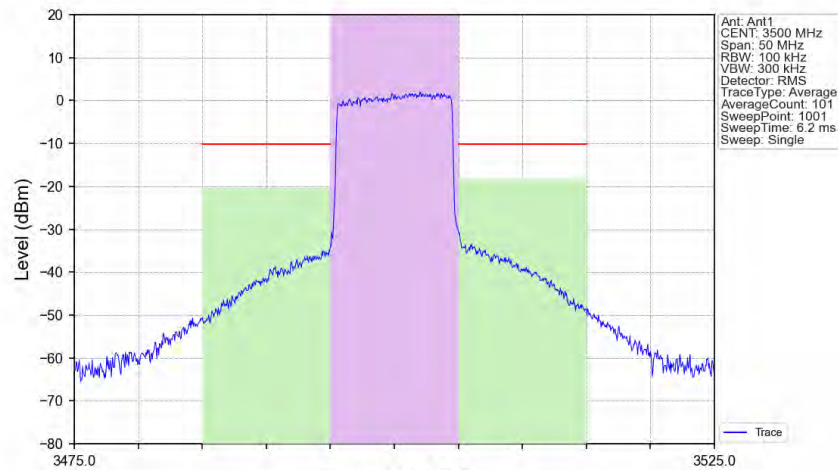
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	19.54	/	/	/	/
Adjacent	-10	10.00	-19.43	-38.97	-30	8.97	Pass
Adjacent	10	10.00	-20.77	-40.31	-30	10.31	Pass

Band42a_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV



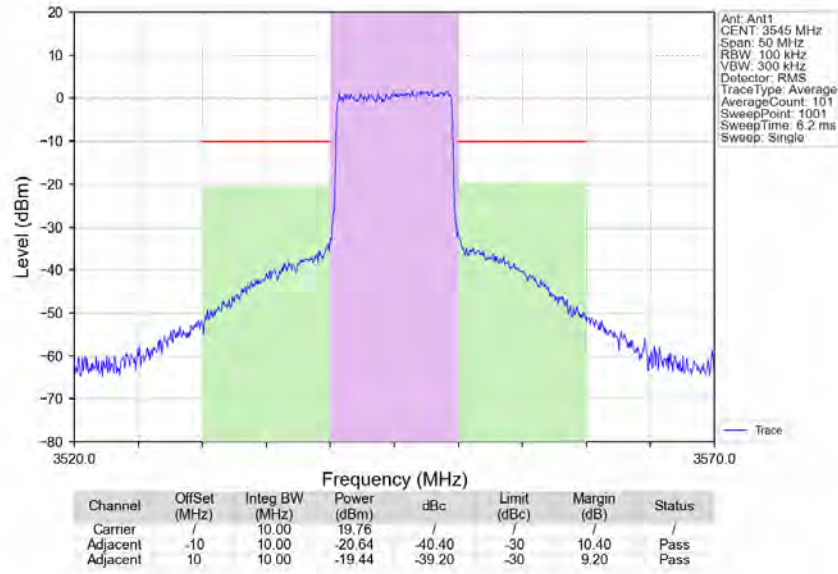
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	20.56	/	/	/	/
Adjacent	-10	10.00	-19.66	-40.22	-30	10.22	Pass
Adjacent	10	10.00	-19.53	-40.09	-30	10.09	Pass

Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV

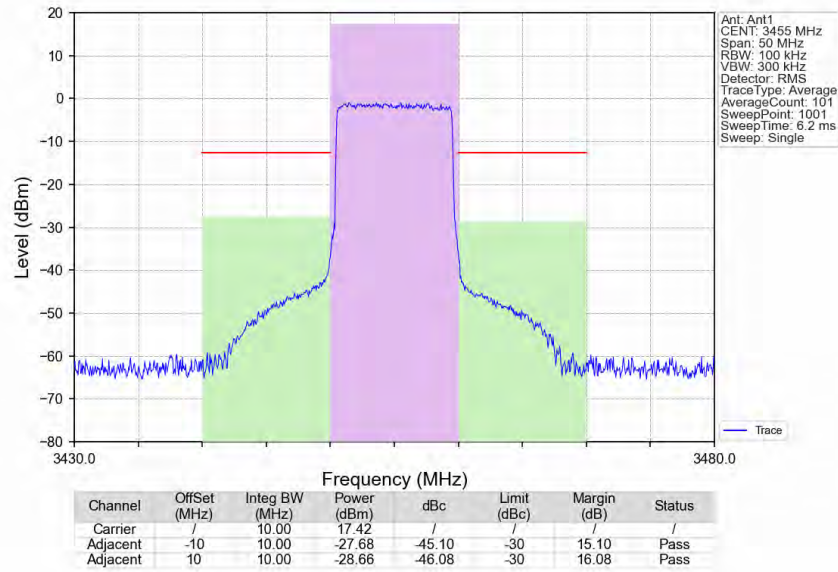


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	19.79	/	/	/	/
Adjacent	-10	10.00	-20.36	-40.15	-30	10.15	Pass
Adjacent	10	10.00	-18.31	-38.10	-30	8.10	Pass

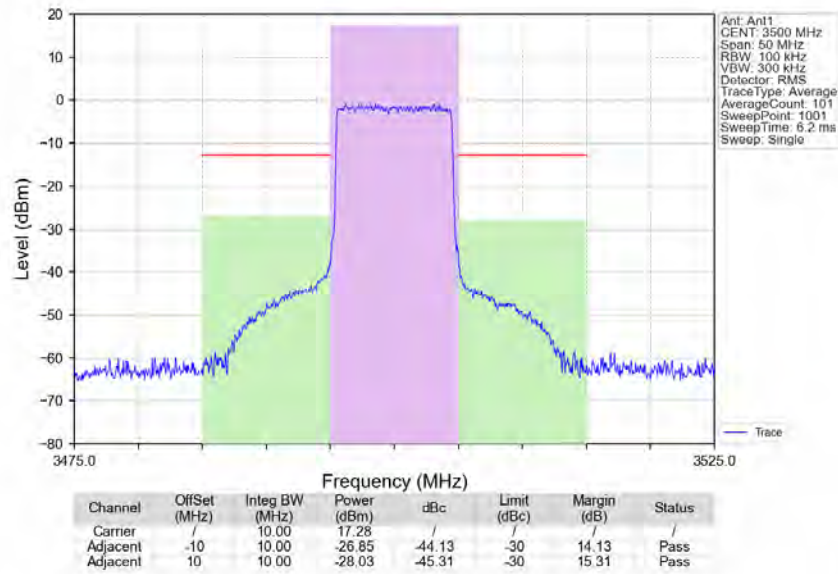
Band42a_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



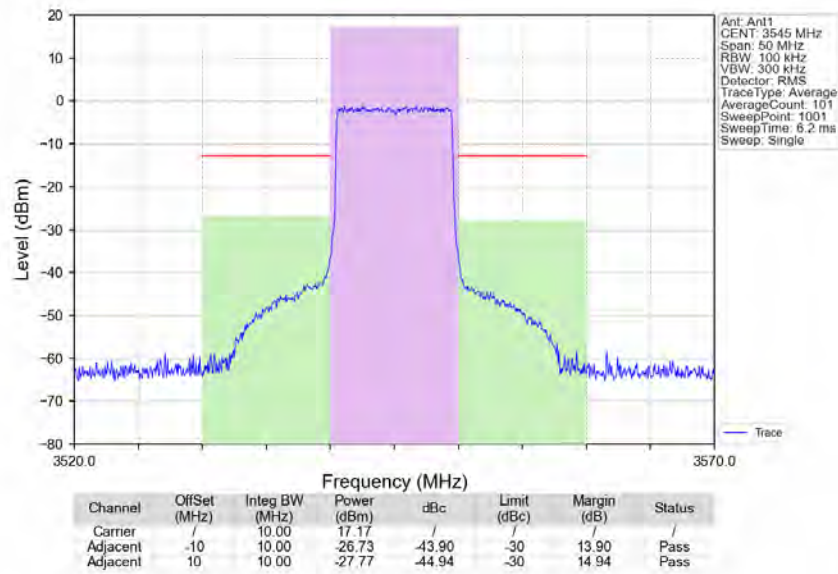
Band42a_10MHz_256QAM_LCH_3455MHz_RB_50_0_NTNV



Band42a_10MHz_256QAM_MCH_3500MHz_RB_50_0_NTNV



Band42a_10MHz_256QAM_HCH_3545MHz_RB_50_0_NTNV

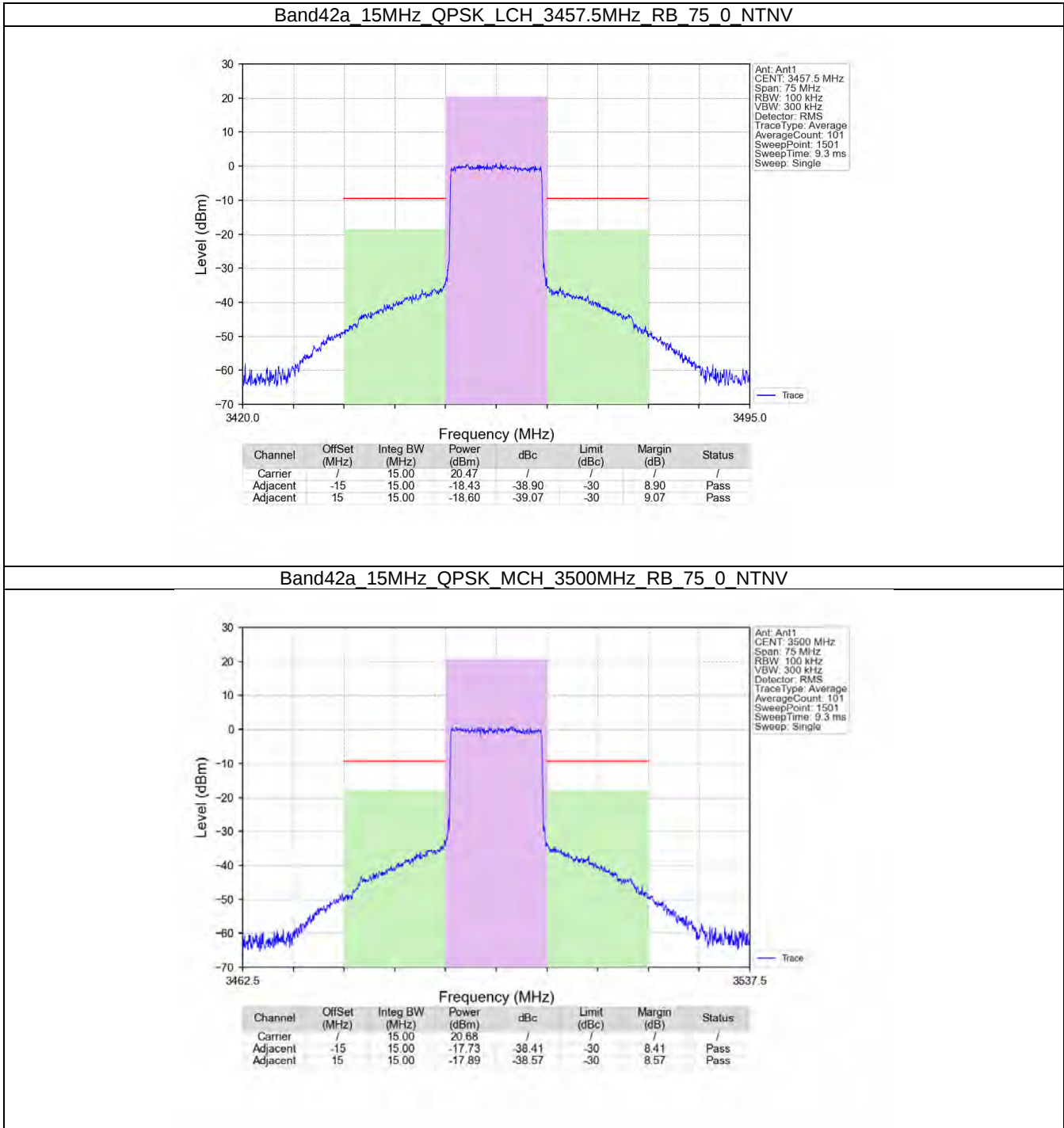


6.3 B42a_15MHz

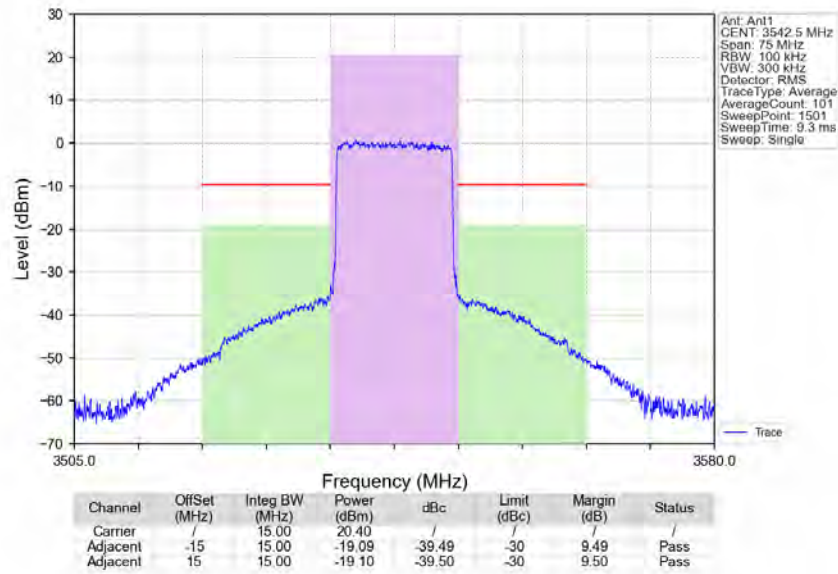
6.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	75	0	Refer To Test Graph		Pass
	3500	75	0	Refer To Test Graph		Pass
	3542.5	75	0	Refer To Test Graph		Pass
16QAM	3457.5	75	0	Refer To Test Graph		Pass
	3500	75	0	Refer To Test Graph		Pass
	3542.5	75	0	Refer To Test Graph		Pass
64QAM	3457.5	75	0	Refer To Test Graph		Pass
	3500	75	0	Refer To Test Graph		Pass
	3542.5	75	0	Refer To Test Graph		Pass
256QAM	3457.5	75	0	Refer To Test Graph		Pass
	3500	75	0	Refer To Test Graph		Pass
	3542.5	75	0	Refer To Test Graph		Pass

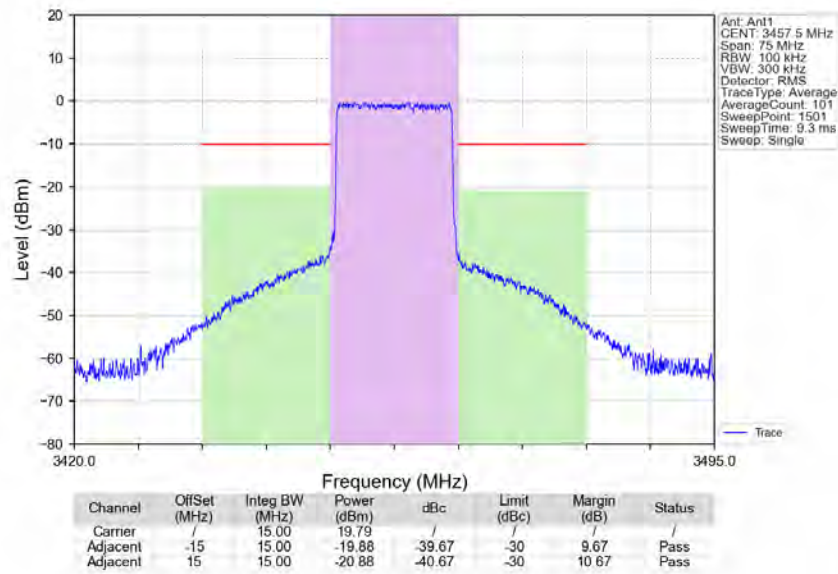
6.3.2 Test Graph



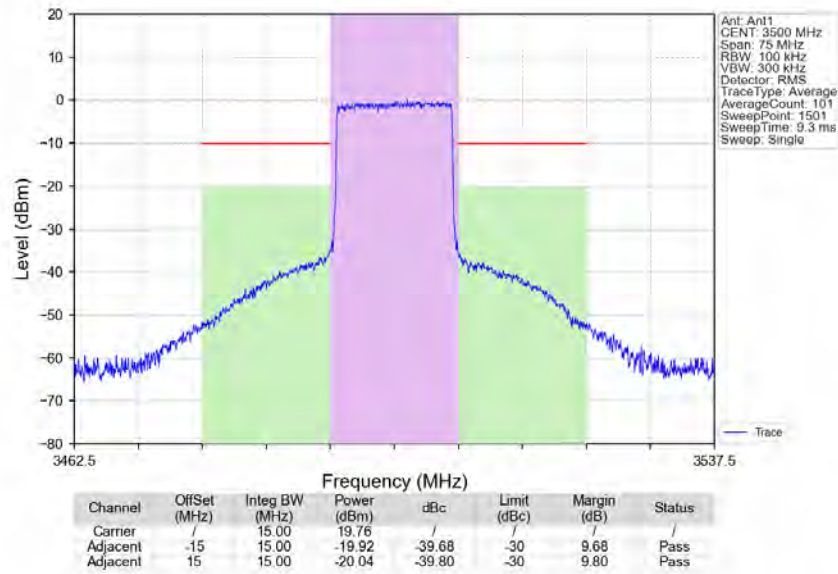
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



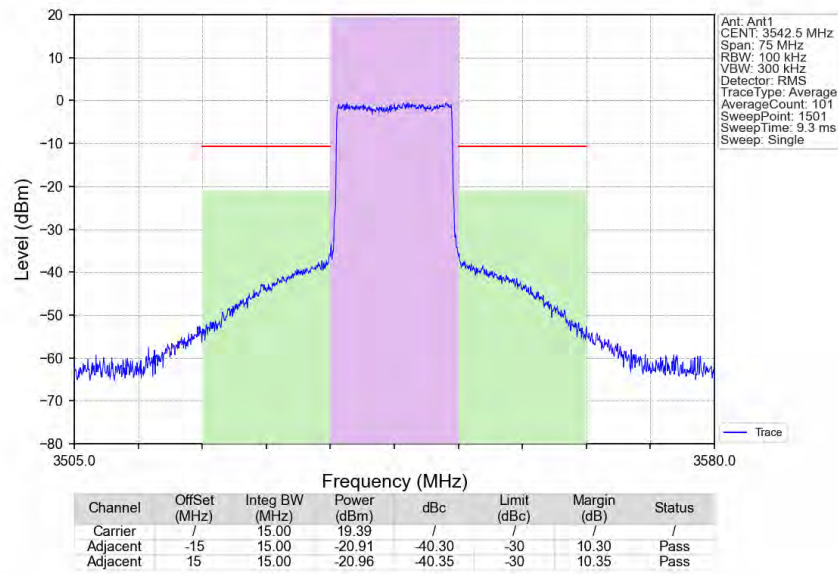
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



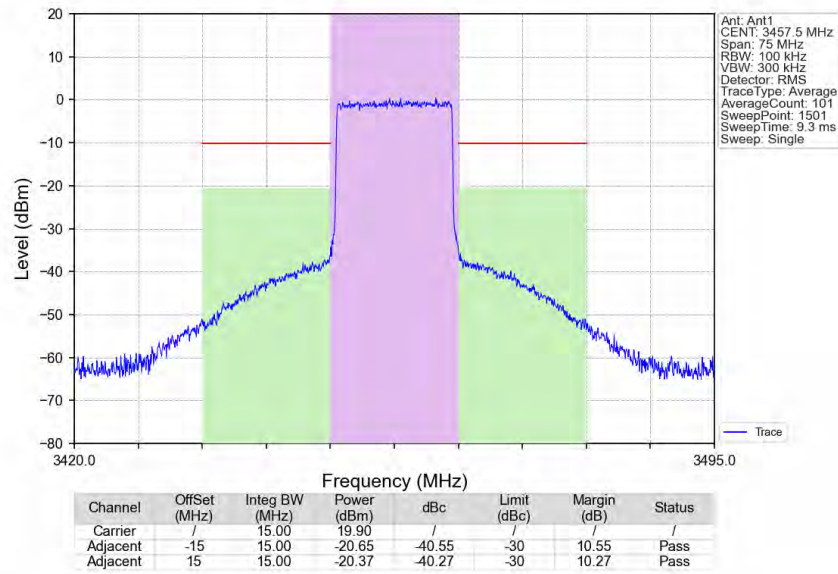
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



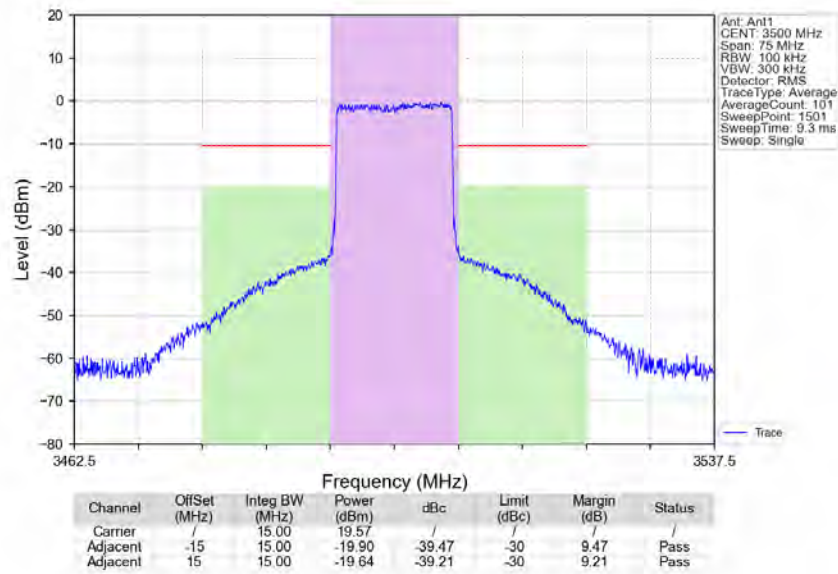
Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



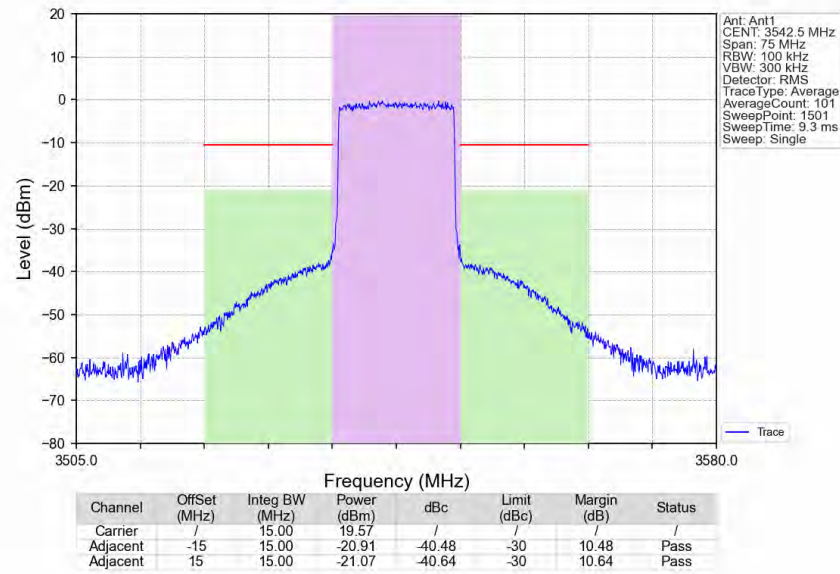
Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



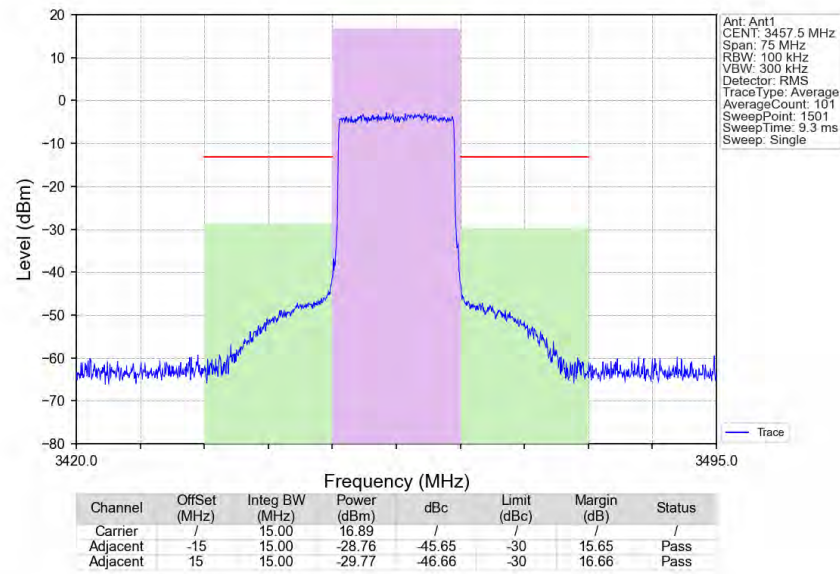
Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



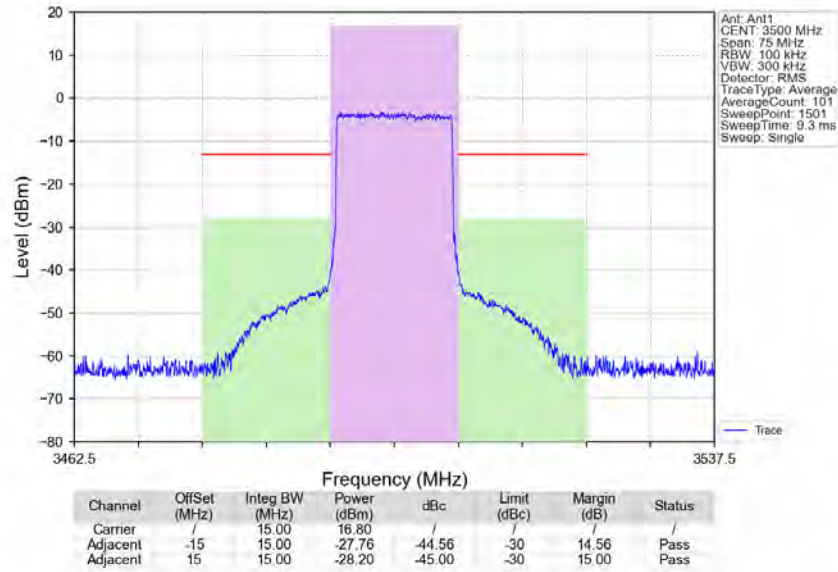
Band42a_15MHz_64QAM_HCH_3542.5MHz_RB_75_0_NTNV



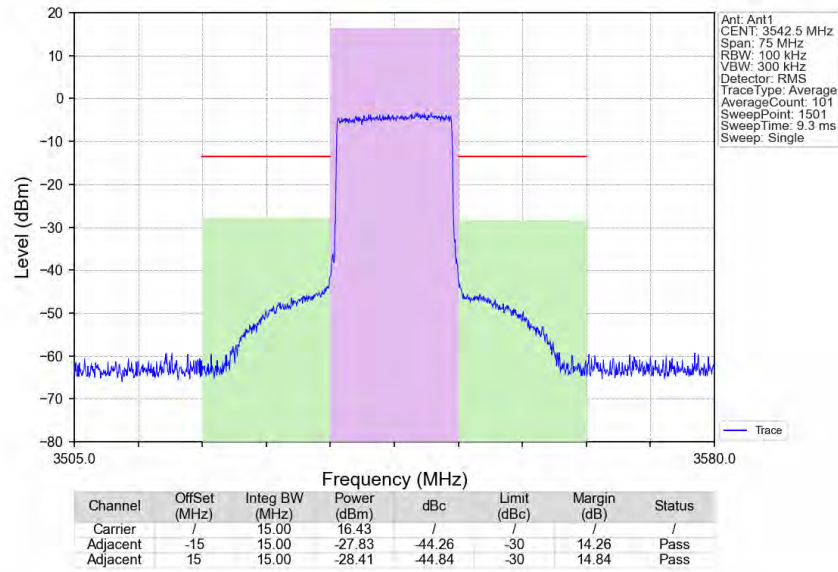
Band42a_15MHz_256QAM_LCH_3457.5MHz_RB_75_0_NTNV



Band42a_15MHz_256QAM_MCH_3500MHz_RB_75_0_NTNV



Band42a_15MHz_256QAM_HCH_3542.5MHz_RB_75_0_NTNV

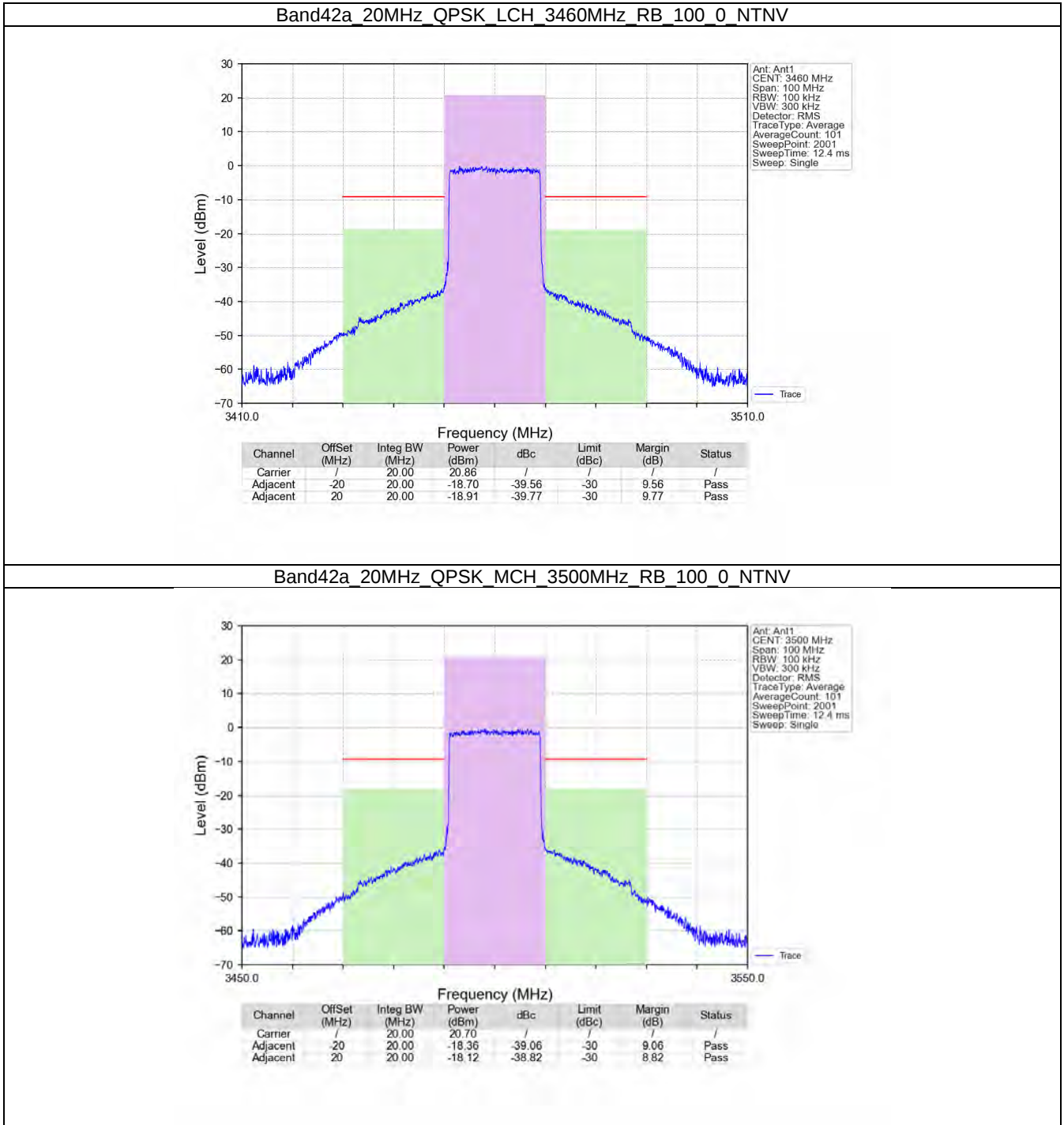


6.4 B42a_20MHz

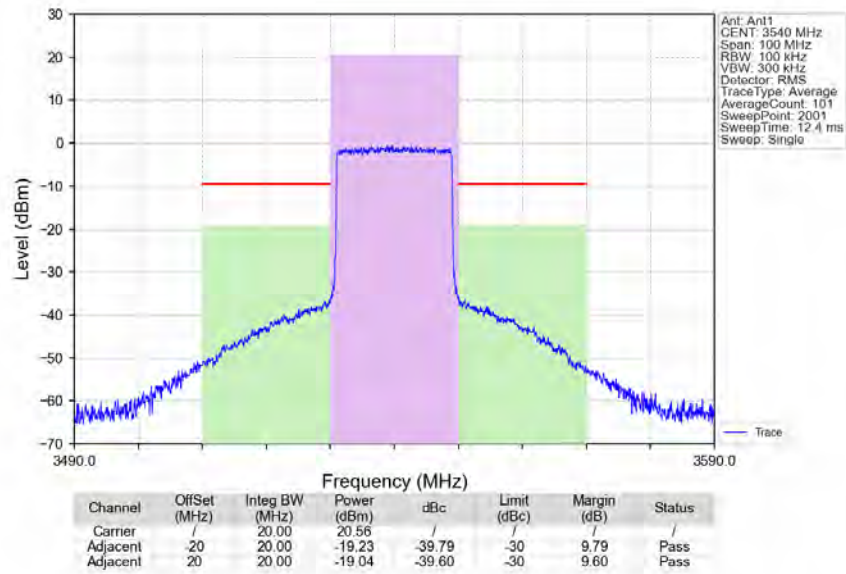
6.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	100	0	Refer To Test Graph		Pass
	3500	100	0	Refer To Test Graph		Pass
	3540	100	0	Refer To Test Graph		Pass
16QAM	3460	100	0	Refer To Test Graph		Pass
	3500	100	0	Refer To Test Graph		Pass
	3540	100	0	Refer To Test Graph		Pass
64QAM	3460	100	0	Refer To Test Graph		Pass
	3500	100	0	Refer To Test Graph		Pass
	3540	100	0	Refer To Test Graph		Pass
256QAM	3460	100	0	Refer To Test Graph		Pass
	3500	100	0	Refer To Test Graph		Pass
	3540	100	0	Refer To Test Graph		Pass

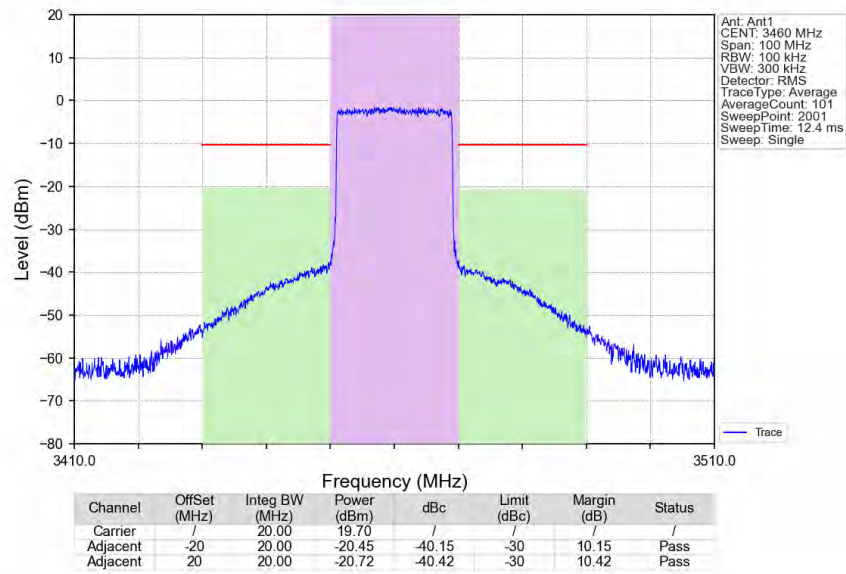
6.4.2 Test Graph



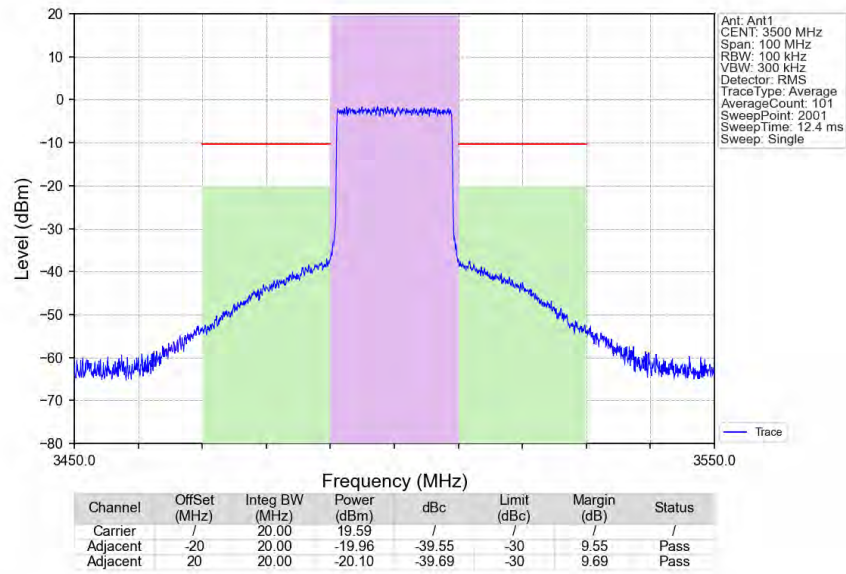
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



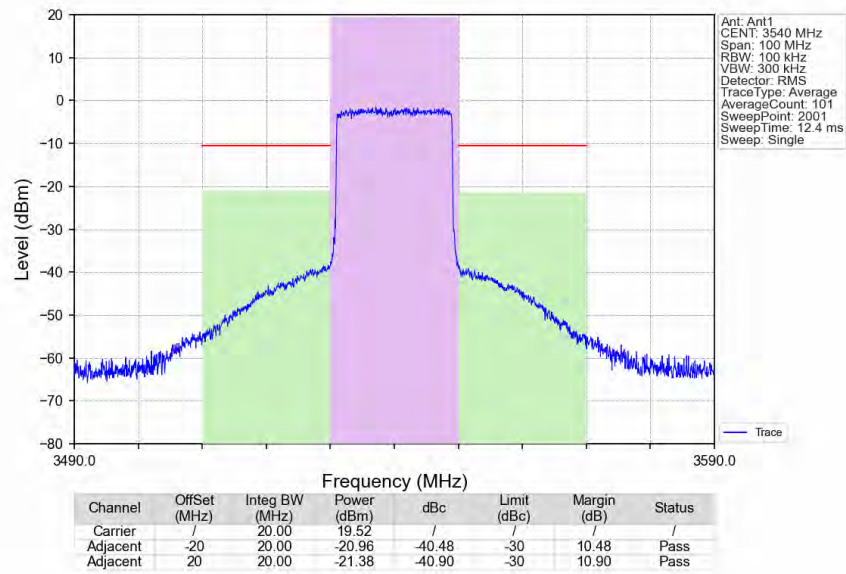
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



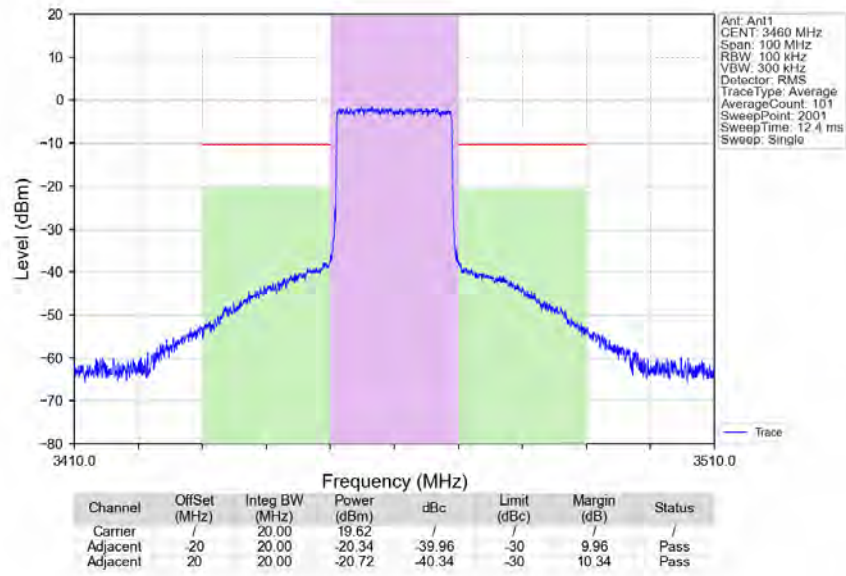
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTNV



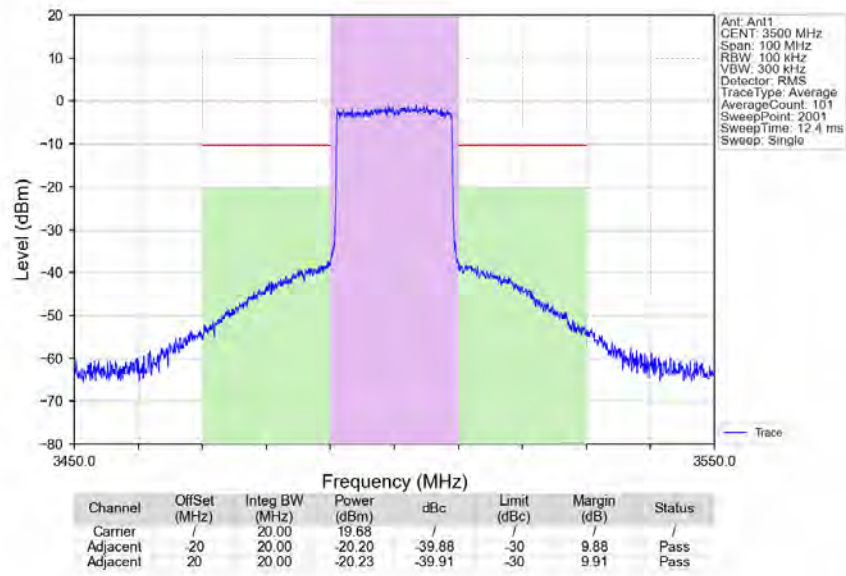
Band42a 20MHz 16QAM HCH 3540MHz RB 100 0 NTNV



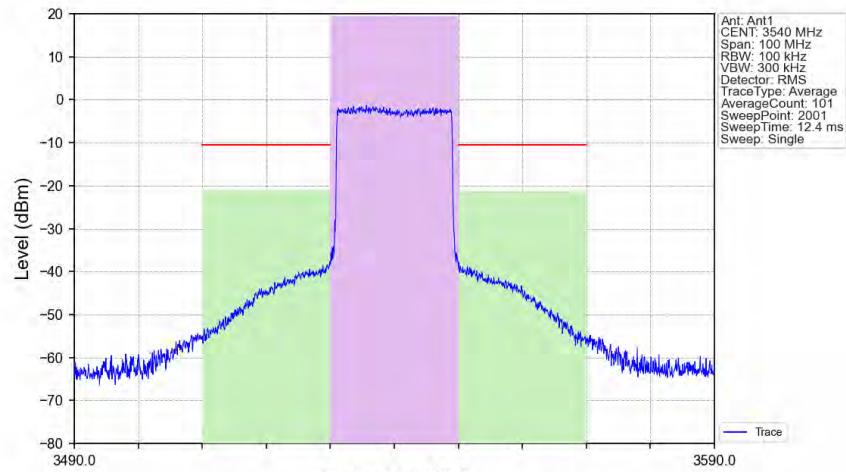
Band42a 20MHz 64QAM LCH 3460MHz RB 100 0 NTN



Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTN

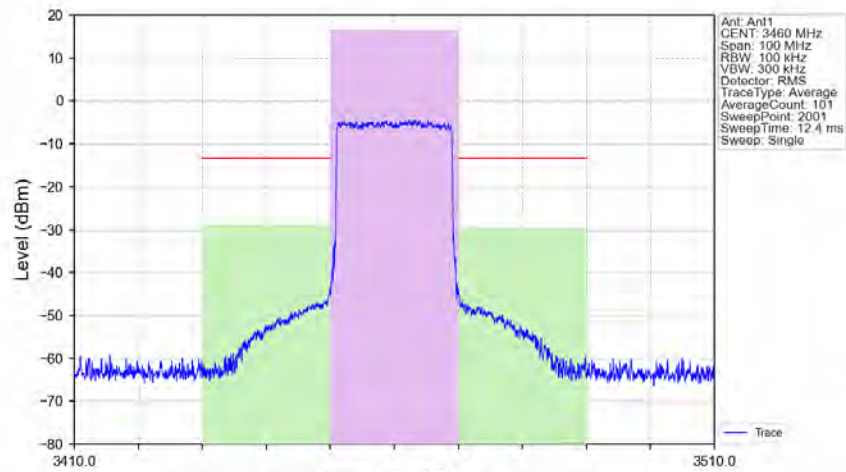


Band42a 20MHz 64QAM HCH 3540MHz RB 100 0 NTVN



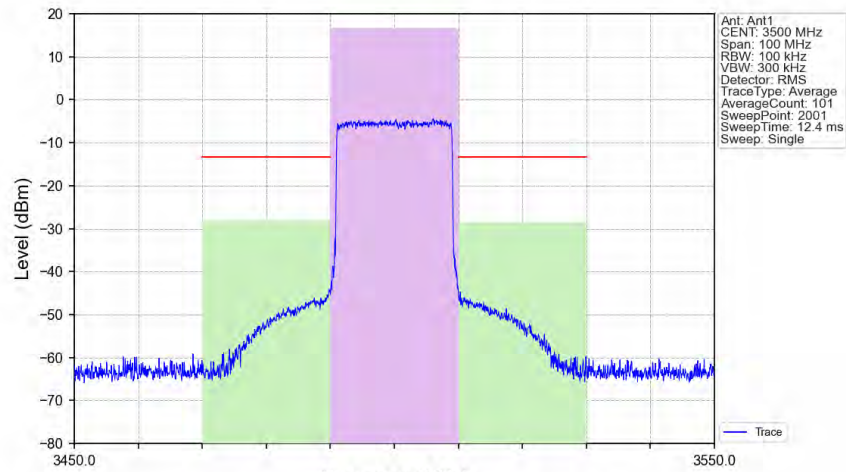
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	19.55	/	/	/	/
Adjacent	-20	20.00	-20.87	-40.42	-30	10.42	Pass
Adjacent	20	20.00	-21.25	-40.80	-30	10.80	Pass

Band42a 20MHz 256QAM LCH 3460MHz RB 100 0 NTVN



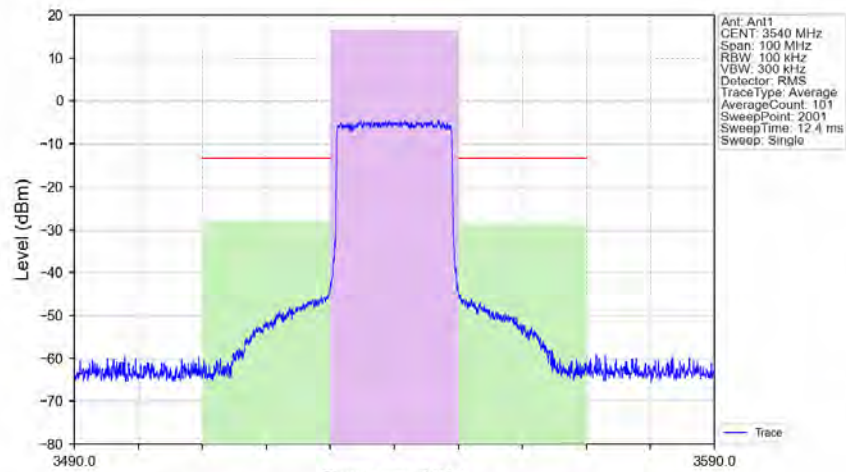
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	16.67	/	/	/	/
Adjacent	-20	20.00	-28.93	-45.60	-30	15.60	Pass
Adjacent	20	20.00	-29.56	-46.23	-30	16.23	Pass

Band42a_20MHz_256QAM_MCH_3500MHz_RB_100_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	16.62	/	/	/	/
Adjacent	-20	20.00	-28.14	-44.76	-30	14.76	Pass
Adjacent	20	20.00	-28.58	-45.20	-30	15.20	Pass

Band42a_20MHz_256QAM_HCH_3540MHz_RB_100_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	20.00	16.63	/	/	/	/
Adjacent	-20	20.00	-28.01	-44.64	-30	14.64	Pass
Adjacent	20	20.00	-28.71	-45.34	-30	15.34	Pass

7. Field Strength of Spurious Radiation

LTE Band 42 3450-3550-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
6902	-53.16	-13	-40.16	-59.26	4.9	11.0	Horizontal	Pass
10353	-46.14	-13	-33.14	-53.71	5.52	13.09	Horizontal	Pass
13804	-50.41	-13	-37.41	-58.58	6.2	14.37	Horizontal	Pass
6902	-53.05	-13	-40.05	-59.15	4.9	11.0	Vertical	Pass
10353	-43.07	-13	-30.07	-50.64	5.52	13.09	Vertical	Pass
13804	-52.64	-13	-39.64	-60.81	6.2	14.37	Vertical	Pass

LTE Band 42 3450-3550-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
6982	-54.69	-13	-41.69	-60.88	4.92	11.11	Horizontal	Pass
10473	-45.07	-13	-32.07	-52.65	5.54	13.12	Horizontal	Pass
13964	-48.49	-13	-35.49	-56.64	6.31	14.46	Horizontal	Pass
6982	-56.62	-13	-43.62	-62.81	4.92	11.11	Vertical	Pass
10473	-44.25	-13	-31.25	-51.83	5.54	13.12	Vertical	Pass
13964	-53.27	-13	-40.27	-61.42	6.31	14.46	Vertical	Pass

LTE Band 42 3450-3550-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
7062	-54.06	-13	-41.06	-60.35	4.92	11.21	Horizontal	Pass
10593	-42.25	-13	-29.25	-49.82	5.58	13.15	Horizontal	Pass
14124	-48.34	-13	-35.34	-56.4	6.41	14.47	Horizontal	Pass
7062	-57.97	-13	-44.97	-64.26	4.92	11.21	Vertical	Pass
10593	-44.63	-13	-31.63	-52.2	5.58	13.15	Vertical	Pass
14124	-52.89	-13	-39.89	-60.95	6.41	14.47	Vertical	Pass