1. Effective (Isotropic) Radiated Power Output Data-PC2

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	24.9	-2.01	22.89	<=30	Pass
			13	25.08	-2.01	23.07	<=30	Pass
			24	24.81	-2.01	22.8	<=30	Pass
		12	0	24.87	-2.01	22.86	<=30	Pass
			6	26.19	-2.01	24.18	<=30	Pass
			13	26.25	-2.01	24.24	<=30	Pass
		25	0	26.11	-2.01	24.1	<=30	Pass
	3500	1	0	24.85	-2.01	22.84	<=30	Pass
			13	25.33	-2.01	23.32	<=30	Pass
			24	25.05	-2.01	23.04	<=30	Pass
		12	0	26.21	-2.01	24.2	<=30	Pass
			6	24.8	-2.01	22.79	<=30	Pass
			13	24.86	-2.01	22.85	<=30	Pass
		25	0	26.02	-2.01	24.01	<=30	Pass
	3547.5	1	0	25.07	-2.01	23.06	<=30	Pass
			13	25.11	-2.01	23.1	<=30	Pass
			24	26.13	-2.01	24.12	<=30	Pass
		12	0	26.09	-2.01	24.08	<=30	Pass
			6	26.05	-2.01	24.04	<=30	Pass
			13	26.02	-2.01	24.01	<=30	Pass
		25	0	26.13	-2.01	24.12	<=30	Pass
16QAM	3452.5	1	0	26	-2.01	23.99	<=30	Pass
			13	24.83	-2.01	22.82	<=30	Pass
			24	24.91	-2.01	22.9	<=30	Pass
		12	0	25.81	-2.01	23.8	<=30	Pass
			6	25.75	-2.01	23.74	<=30	Pass
			13	25.36	-2.01	23.35	<=30	Pass
		25	0	25.74	-2.01	23.73	<=30	Pass
	3500	1	0	24.86	-2.01	22.85	<=30	Pass
			13	24.83	-2.01	22.82	<=30	Pass
			24	24.85	-2.01	22.84	<=30	Pass
		12	0	25.38	-2.01	23.37	<=30	Pass
			6	25.78	-2.01	23.77	<=30	Pass
			13	25.56	-2.01	23.55	<=30	Pass

		25	0	25.38	-2.01	23.37	<=30	Pass
	3547.5	1	0	24.8	-2.01	22.79	<=30	Pass
			13	24.93	-2.01	22.92	<=30	Pass
			24	25.77	-2.01	23.76	<=30	Pass
		12	0	25.31	-2.01	23.3	<=30	Pass
			6	25.64	-2.01	23.63	<=30	Pass
			13	25.38	-2.01	23.37	<=30	Pass
		25	0	25.27	-2.01	23.26	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B42a_10MHz_EIRP

1.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3455	1	0	25.91	-2.01	23.9	<=30	Pass
			25	25.98	-2.01	23.97	<=30	Pass
			49	25	-2.01	22.99	<=30	Pass
		25	0	26.14	-2.01	24.13	<=30	Pass
			13	25.93	-2.01	23.92	<=30	Pass
			25	26.06	-2.01	24.05	<=30	Pass
		50	0	24.82	-2.01	22.81	<=30	Pass
	3500	1	0	24.97	-2.01	22.96	<=30	Pass
			25	24.97	-2.01	22.96	<=30	Pass
			49	24.98	-2.01	22.97	<=30	Pass
		25	0	24.83	-2.01	22.82	<=30	Pass
			13	24.85	-2.01	22.84	<=30	Pass
			25	26.02	-2.01	24.01	<=30	Pass
		50	0	26.06	-2.01	24.05	<=30	Pass
	3545	1	0	24.93	-2.01	22.92	<=30	Pass
			25	25.08	-2.01	23.07	<=30	Pass
			49	25.18	-2.01	23.17	<=30	Pass
		25	0	25.9	-2.01	23.89	<=30	Pass
			13	26.08	-2.01	24.07	<=30	Pass
			25	25.87	-2.01	23.86	<=30	Pass
		50	0	26.12	-2.01	24.11	<=30	Pass
16QAM	3455	1	0	25.7	-2.01	23.69	<=30	Pass
			25	25	-2.01	22.99	<=30	Pass
			49	24.91	-2.01	22.9	<=30	Pass
		25	0	25.62	-2.01	23.61	<=30	Pass

			13	25.92	-2.01	23.91	<=30	Pass
			25	25.95	-2.01	23.94	<=30	Pass
		50	0	25.38	-2.01	23.37	<=30	Pass
	3500	1	0	24.83	-2.01	22.82	<=30	Pass
			25	24.89	-2.01	22.88	<=30	Pass
			49	24.98	-2.01	22.97	<=30	Pass
		25	0	25.83	-2.01	23.82	<=30	Pass
			13	25.75	-2.01	23.74	<=30	Pass
			25	25.65	-2.01	23.64	<=30	Pass
		50	0	25.54	-2.01	23.53	<=30	Pass
	3545	1	0	26.21	-2.01	24.2	<=30	Pass
			25	24.84	-2.01	22.83	<=30	Pass
			49	24.86	-2.01	22.85	<=30	Pass
		25	0	25.5	-2.01	23.49	<=30	Pass
			13	25.67	-2.01	23.66	<=30	Pass
			25	25.42	-2.01	23.41	<=30	Pass
		50	0	25.25	-2.01	23.24	<=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	25.18	-2.01	23.17	<=30	Pass
			38	25.07	-2.01	23.06	<=30	Pass
			74	25.02	-2.01	23.01	<=30	Pass
		36	0	24.88	-2.01	22.87	<=30	Pass
			18	25.01	-2.01	23	<=30	Pass
			39	25.04	-2.01	23.03	<=30	Pass
		75	0	24.92	-2.01	22.91	<=30	Pass
	3500	1	0	25.7	-2.01	23.69	<=30	Pass
			38	25.02	-2.01	23.01	<=30	Pass
			74	25.14	-2.01	23.13	<=30	Pass
		36	0	25.82	-2.01	23.81	<=30	Pass
			18	24.95	-2.01	22.94	<=30	Pass
			39	24.99	-2.01	22.98	<=30	Pass
		75	0	25.01	-2.01	23	<=30	Pass
	3542.5	1	0	25.25	-2.01	23.24	<=30	Pass
			38	25.37	-2.01	23.36	<=30	Pass

			74	25.18	-2.01	23.17	<=30	Pass
		36	0	25.97	-2.01	23.96	<=30	Pass
			18	26.01	-2.01	24	<=30	Pass
			39	26.24	-2.01	24.23	<=30	Pass
		75	0	26	-2.01	23.99	<=30	Pass
16QAM	3457.5	1	0	24.82	-2.01	22.81	<=30	Pass
			38	24.93	-2.01	22.92	<=30	Pass
			74	24.89	-2.01	22.88	<=30	Pass
		36	0	25.57	-2.01	23.56	<=30	Pass
			18	25.97	-2.01	23.96	<=30	Pass
			39	25.97	-2.01	23.96	<=30	Pass
		75	0	26.05	-2.01	24.04	<=30	Pass
	3500	1	0	26.18	-2.01	24.17	<=30	Pass
			38	25.81	-2.01	23.8	<=30	Pass
			74	24.8	-2.01	22.79	<=30	Pass
		36	0	25.62	-2.01	23.61	<=30	Pass
			18	25.67	-2.01	23.66	<=30	Pass
			39	25.73	-2.01	23.72	<=30	Pass
		75	0	25.9	-2.01	23.89	<=30	Pass
	3542.5	1	0	24.87	-2.01	22.86	<=30	Pass
			38	24.94	-2.01	22.93	<=30	Pass
			74	24.84	-2.01	22.83	<=30	Pass
		36	0	25.3	-2.01	23.29	<=30	Pass
			18	25.69	-2.01	23.68	<=30	Pass
			39	25.42	-2.01	23.41	<=30	Pass
		75	0	25.33	-2.01	23.32	<=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	25.98	-2.01	23.97	<=30	Pass
			50	24.83	-2.01	22.82	<=30	Pass
			99	24.9	-2.01	22.89	<=30	Pass
		50	0	25.02	-2.01	23.01	<=30	Pass
			25	25.16	-2.01	23.15	<=30	Pass
			50	25.07	-2.01	23.06	<=30	Pass
		100	0	25.25	-2.01	23.24	<=30	Pass

	3500	1	0	24.89	-2.01	22.88	<=30	Pass
			50	25.27	-2.01	23.26	<=30	Pass
			99	24.98	-2.01	22.97	<=30	Pass
		50	0	26.07	-2.01	24.06	<=30	Pass
			25	25.05	-2.01	23.04	<=30	Pass
			50	25.16	-2.01	23.15	<=30	Pass
		100	0	25.17	-2.01	23.16	<=30	Pass
	3540	1	0	24.8	-2.01	22.79	<=30	Pass
			50	25.12	-2.01	23.11	<=30	Pass
			99	25.01	-2.01	23	<=30	Pass
		50	0	24.8	-2.01	22.79	<=30	Pass
			25	24.92	-2.01	22.91	<=30	Pass
			50	24.83	-2.01	22.82	<=30	Pass
		100	0	25.05	-2.01	23.04	<=30	Pass
16QAM	3460	1	0	26	-2.01	23.99	<=30	Pass
			50	25.14	-2.01	23.13	<=30	Pass
			99	24.97	-2.01	22.96	<=30	Pass
		50	0	25.6	-2.01	23.59	<=30	Pass
			25	25.81	-2.01	23.8	<=30	Pass
			50	25.37	-2.01	23.36	<=30	Pass
		100	0	25.6	-2.01	23.59	<=30	Pass
	3500	1	0	26.15	-2.01	24.14	<=30	Pass
			50	24.89	-2.01	22.88	<=30	Pass
			99	24.83	-2.01	22.82	<=30	Pass
		50	0	25.68	-2.01	23.67	<=30	Pass
			25	25.88	-2.01	23.87	<=30	Pass
			50	25.33	-2.01	23.32	<=30	Pass
		100	0	25.38	-2.01	23.37	<=30	Pass
	3540	1	0	25.97	-2.01	23.96	<=30	Pass
			50	24.94	-2.01	22.93	<=30	Pass
			99	24.82	-2.01	22.81	<=30	Pass
		50	0	25.43	-2.01	23.42	<=30	Pass
			25	25.41	-2.01	23.4	<=30	Pass
			50	25.54	-2.01	23.53	<=30	Pass
		100	0	25.7	-2.01	23.69	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B42a_5MHz

2.1.1 Test Result

Band: 42a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3452.5	25	0	20	3.27	1.200	0.0003	-2.5 to 2.5	Pass
					3.85	4.000	0.0012	-2.5 to 2.5	Pass
					4.43	0.400	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.900	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.900	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.400	-0.0004	-2.5 to 2.5	Pass
				10	3.85	1.700	0.0005	-2.5 to 2.5	Pass
				30	3.85	3.000	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.600	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.600	0.0008	-2.5 to 2.5	Pass
	3500	25	0	20	3.27	0.900	0.0003	-2.5 to 2.5	Pass
					3.85	7.600	0.0022	-2.5 to 2.5	Pass
					4.43	4.800	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.200	0.0003	-2.5 to 2.5	Pass
				-20	3.85	3.700	0.0011	-2.5 to 2.5	Pass
				-10	3.85	7.400	0.0021	-2.5 to 2.5	Pass
				0	3.85	2.800	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.700	0.0005	-2.5 to 2.5	Pass
				30	3.85	4.200	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.100	0.0003	-2.5 to 2.5	Pass
				50	3.85	1.000	0.0003	-2.5 to 2.5	Pass
	3547.5	25	0	20	3.27	3.900	0.0011	-2.5 to 2.5	Pass
					3.85	0.400	0.0001	-2.5 to 2.5	Pass
					4.43	0.900	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.400	0.0001	-2.5 to 2.5	Pass
				-20	3.85	5.900	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				10	3.85	2.000	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.600	0.0005	-2.5 to 2.5	Pass
				40	3.85	2.500	0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.700	-0.0002	-2.5 to 2.5	Pass
16QAM	3452.5	25	0	20	3.27	0.700	0.0002	-2.5 to 2.5	Pass
					3.85	1.300	0.0004	-2.5 to 2.5	Pass
					4.43	2.800	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.300	0.0004	-2.5 to 2.5	Pass
				-20	3.85	3.700	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				0	3.85	4.300	0.0012	-2.5 to 2.5	Pass
				10	3.85	1.300	0.0004	-2.5 to 2.5	Pass
				30	3.85	6.600	0.0019	-2.5 to 2.5	Pass
				40	3.85	0.600	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.200	0.0001	-2.5 to 2.5	Pass
	3500	25	0	20	3.27	4.600	0.0013	-2.5 to 2.5	Pass
					3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
					4.43	2.600	0.0007	-2.5 to 2.5	Pass
				-30	3.85	8.100	0.0023	-2.5 to 2.5	Pass
				-20	3.85	0.700	0.0002	-2.5 to 2.5	Pass

				-10	3.85	0.700	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.200	0.0003	-2.5 to 2.5	Pass
				10	3.85	2.400	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				40	3.85	4.400	0.0013	-2.5 to 2.5	Pass
				50	3.85	4.500	0.0013	-2.5 to 2.5	Pass
	3547.5	25	0	20	3.27	1.900	0.0005	-2.5 to 2.5	Pass
					3.85	0.600	0.0002	-2.5 to 2.5	Pass
					4.43	4.100	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.100	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.400	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.85	2.600	0.0007	-2.5 to 2.5	Pass
				10	3.85	5.800	0.0016	-2.5 to 2.5	Pass
				30	3.85	4.400	0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.100	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.600	0.0002	-2.5 to 2.5	Pass

2.2 B42a_10MHz

2.2.1 Test Result

Band: 42a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3455	50	0	20	3.27	5.600	0.0016	-2.5 to 2.5	Pass
					3.85	2.900	0.0008	-2.5 to 2.5	Pass
					4.43	1.600	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.600	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	2.800	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.500	0.0004	-2.5 to 2.5	Pass
				10	3.85	3.100	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.400	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.800	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.800	0.0002	-2.5 to 2.5	Pass
	3500	50	0	20	3.27	3.300	0.0009	-2.5 to 2.5	Pass
					3.85	6.800	0.0019	-2.5 to 2.5	Pass
					4.43	1.000	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.800	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.000	-0.0006	-2.5 to 2.5	Pass
				0	3.85	1.700	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.700	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.400	0.0001	-2.5 to 2.5	Pass
				40	3.85	3.800	0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.900	-0.0005	-2.5 to 2.5	Pass
	3545	50	0	20	3.27	1.800	0.0005	-2.5 to 2.5	Pass
					3.85	4.300	0.0012	-2.5 to 2.5	Pass
					4.43	4.800	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.500	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.700	0.0002	-2.5 to 2.5	Pass
				-10	3.85	2.600	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.900	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.300	0.0001	-2.5 to 2.5	Pass
				30	3.85	4.500	0.0013	-2.5 to 2.5	Pass
				40	3.85	5.700	0.0016	-2.5 to 2.5	Pass

				50	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
16QAM	3455	50	0	20	3.27	3.100	0.0009	-2.5 to 2.5	Pass
					3.85	5.600	0.0016	-2.5 to 2.5	Pass
					4.43	2.400	0.0007	-2.5 to 2.5	Pass
				-30	3.85	4.200	0.0012	-2.5 to 2.5	Pass
				-20	3.85	4.600	0.0013	-2.5 to 2.5	Pass
				-10	3.85	2.400	0.0007	-2.5 to 2.5	Pass
				0	3.85	2.500	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.900	0.0005	-2.5 to 2.5	Pass
				30	3.85	3.300	0.0010	-2.5 to 2.5	Pass
				40	3.85	5.200	0.0015	-2.5 to 2.5	Pass
				50	3.85	1.500	0.0004	-2.5 to 2.5	Pass
	3500	50	0	20	3.27	-1.300	-0.0004	-2.5 to 2.5	Pass
					3.85	1.700	0.0005	-2.5 to 2.5	Pass
					4.43	-1.700	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.200	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
				0	3.85	4.100	0.0012	-2.5 to 2.5	Pass
				10	3.85	4.500	0.0013	-2.5 to 2.5	Pass
				30	3.85	4.000	0.0011	-2.5 to 2.5	Pass
				40	3.85	4.300	0.0012	-2.5 to 2.5	Pass
				50	3.85	-3.400	-0.0010	-2.5 to 2.5	Pass
	3545	50	0	20	3.27	1.400	0.0004	-2.5 to 2.5	Pass
					3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
					4.43	1.100	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-1.800	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	5.500	0.0016	-2.5 to 2.5	Pass
				0	3.85	1.800	0.0005	-2.5 to 2.5	Pass
				10	3.85	4.300	0.0012	-2.5 to 2.5	Pass
				30	3.85	1.200	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.700	0.0002	-2.5 to 2.5	Pass
				50	3.85	2.800	0.0008	-2.5 to 2.5	Pass

2.3 B42a_15MHz

2.3.1 Test Result

Band: 42a / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3457.5	75	0	20	3.27	2.700	0.0008	-2.5 to 2.5	Pass
					3.85	2.300	0.0007	-2.5 to 2.5	Pass
					4.43	2.300	0.0007	-2.5 to 2.5	Pass
				-30	3.85	2.400	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.600	0.0002	-2.5 to 2.5	Pass
				-10	3.85	3.700	0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.800	-0.0005	-2.5 to 2.5	Pass
				10	3.85	0.800	0.0002	-2.5 to 2.5	Pass
				30	3.85	4.200	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.700	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.300	0.0001	-2.5 to 2.5	Pass
	3500	75	0	20	3.27	0.400	0.0001	-2.5 to 2.5	Pass
					3.85	0.700	0.0002	-2.5 to 2.5	Pass
					4.43	-0.400	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	2.600	0.0007	-2.5 to 2.5	Pass

				-20	3.85	1.400	0.0004	-2.5 to 2.5	Pass
				-10	3.85	3.800	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.600	0.0005	-2.5 to 2.5	Pass
				10	3.85	2.500	0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.900	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.700	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
	3542.5	75	0	20	3.27	-0.600	-0.0002	-2.5 to 2.5	Pass
					3.85	-4.800	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.800	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.600	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	3.400	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.600	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-2.100	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.300	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-3.900	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.600	-0.0005	-2.5 to 2.5	Pass
				50	3.85	1.100	0.0003	-2.5 to 2.5	Pass
16QAM	3457.5	75	0	20	3.27	2.000	0.0006	-2.5 to 2.5	Pass
					3.85	1.200	0.0003	-2.5 to 2.5	Pass
					4.43	-0.900	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.200	0.0003	-2.5 to 2.5	Pass
				-20	3.85	3.300	0.0010	-2.5 to 2.5	Pass
				-10	3.85	2.300	0.0007	-2.5 to 2.5	Pass
				0	3.85	2.000	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.600	-0.0002	-2.5 to 2.5	Pass
				40	3.85	1.900	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.400	0.0001	-2.5 to 2.5	Pass
	3500	75	0	20	3.27	1.900	0.0005	-2.5 to 2.5	Pass
					3.85	2.300	0.0007	-2.5 to 2.5	Pass
					4.43	2.200	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.200	0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				0	3.85	-1.700	-0.0005	-2.5 to 2.5	Pass
				10	3.85	2.300	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.500	0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.000	-0.0003	-2.5 to 2.5	Pass
				50	3.85	2.200	0.0006	-2.5 to 2.5	Pass
	3542.5	75	0	20	3.27	0.300	0.0001	-2.5 to 2.5	Pass
					3.85	1.100	0.0003	-2.5 to 2.5	Pass
					4.43	1.400	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.900	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-1.200	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.200	-0.0006	-2.5 to 2.5	Pass
				10	3.85	2.300	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.100	0.0003	-2.5 to 2.5	Pass
				40	3.85	3.700	0.0010	-2.5 to 2.5	Pass
				50	3.85	4.300	0.0012	-2.5 to 2.5	Pass

2.4 B42a_20MHz

2.4.1 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	1.700	0.0005	-2.5 to 2.5	Pass
					3.85	5.300	0.0015	-2.5 to 2.5	Pass
					4.43	-2.800	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.400	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.900	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.500	0.0001	-2.5 to 2.5	Pass
				0	3.85	3.400	0.0010	-2.5 to 2.5	Pass
				10	3.85	-2.600	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.100	-0.0003	-2.5 to 2.5	Pass
				40	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				50	3.85	2.900	0.0008	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	0.700	0.0002	-2.5 to 2.5	Pass
					3.85	-3.000	-0.0009	-2.5 to 2.5	Pass
					4.43	2.300	0.0007	-2.5 to 2.5	Pass
				-30	3.85	2.600	0.0007	-2.5 to 2.5	Pass
				-20	3.85	3.800	0.0011	-2.5 to 2.5	Pass
				-10	3.85	2.600	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.800	0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.500	-0.0013	-2.5 to 2.5	Pass
				30	3.85	2.600	0.0007	-2.5 to 2.5	Pass
				40	3.85	-3.400	-0.0010	-2.5 to 2.5	Pass
				50	3.85	3.700	0.0011	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	0.600	0.0002	-2.5 to 2.5	Pass
					3.85	1.100	0.0003	-2.5 to 2.5	Pass
					4.43	-0.800	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	3.100	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.800	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.400	0.0001	-2.5 to 2.5	Pass
				10	3.85	-2.300	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.300	0.0001	-2.5 to 2.5	Pass
				40	3.85	1.900	0.0005	-2.5 to 2.5	Pass
				50	3.85	2.700	0.0008	-2.5 to 2.5	Pass
16QAM	3460	100	0	20	3.27	2.100	0.0006	-2.5 to 2.5	Pass
					3.85	-1.100	-0.0003	-2.5 to 2.5	Pass
					4.43	0.700	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.000	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.700	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.500	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-2.400	-0.0007	-2.5 to 2.5	Pass
				10	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.700	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.800	-0.0005	-2.5 to 2.5	Pass
				50	3.85	0.400	0.0001	-2.5 to 2.5	Pass
	3500	100	0	20	3.27	0.100	0.0000	-2.5 to 2.5	Pass
					3.85	2.500	0.0007	-2.5 to 2.5	Pass
					4.43	4.600	0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.100	0.0000	-2.5 to 2.5	Pass
				-20	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				-10	3.85	2.000	0.0006	-2.5 to 2.5	Pass
				0	3.85	2.500	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.200	0.0003	-2.5 to 2.5	Pass
				30	3.85	-4.100	-0.0012	-2.5 to 2.5	Pass
				40	3.85	0.600	0.0002	-2.5 to 2.5	Pass
				50	3.85	3.000	0.0009	-2.5 to 2.5	Pass
	3540	100	0	20	3.27	0.700	0.0002	-2.5 to 2.5	Pass
					3.85	0.900	0.0003	-2.5 to 2.5	Pass

					4.43	-1.300	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	4.800	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-0.400	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.400	-0.0004	-2.5 to 2.5	Pass
				0	3.85	2.900	0.0008	-2.5 to 2.5	Pass
				10	3.85	4.900	0.0014	-2.5 to 2.5	Pass
				30	3.85	1.000	0.0003	-2.5 to 2.5	Pass
				40	3.85	2.000	0.0006	-2.5 to 2.5	Pass
				50	3.85	2.800	0.0008	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

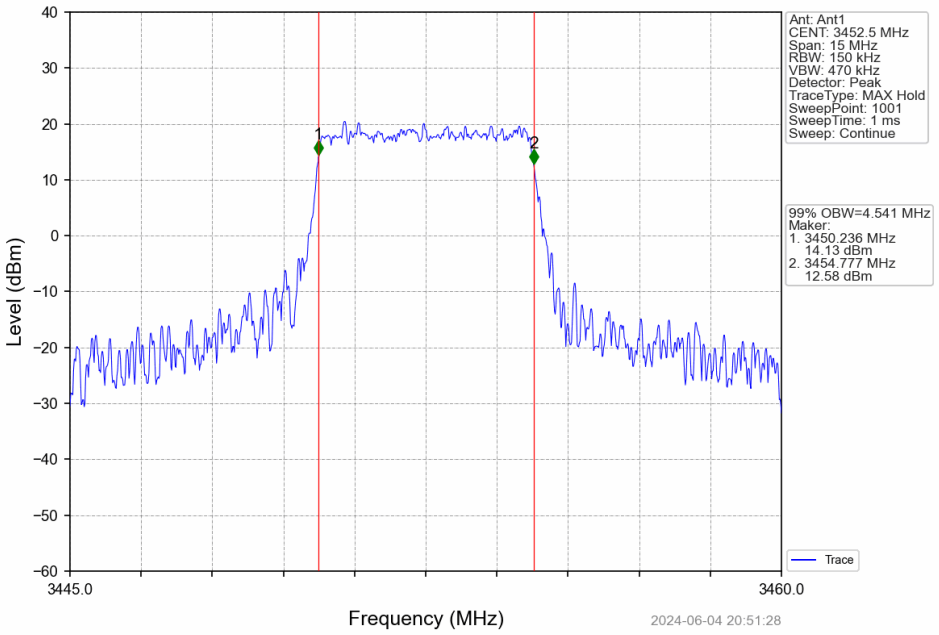
3.1 Band42a_OBW

3.1.1 Test Result

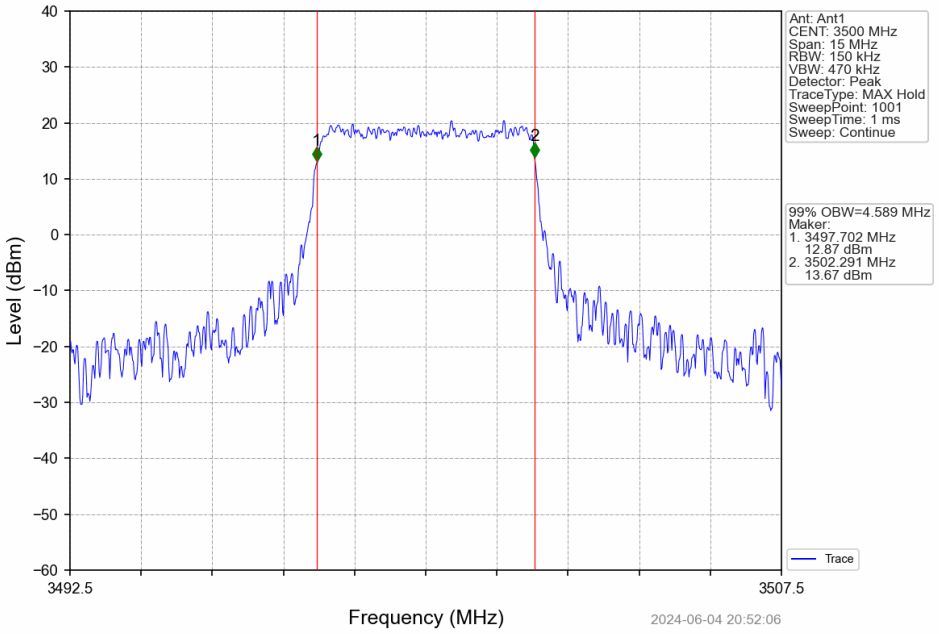
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	4.541	/	Pass
		3500	25	0	4.589	/	Pass
		3547.5	25	0	4.599	/	Pass
	16QAM	3452.5	25	0	4.557	/	Pass
		3500	25	0	4.572	/	Pass
		3547.5	25	0	4.544	/	Pass
10	QPSK	3455	50	0	9.082	/	Pass
		3500	50	0	9.079	/	Pass
		3545	50	0	9.059	/	Pass
	16QAM	3455	50	0	9.065	/	Pass
		3500	50	0	9.078	/	Pass
		3545	50	0	9.089	/	Pass
15	QPSK	3457.5	75	0	13.599	/	Pass
		3500	75	0	13.589	/	Pass
		3542.5	75	0	13.580	/	Pass
	16QAM	3457.5	75	0	13.595	/	Pass
		3500	75	0	13.643	/	Pass
		3542.5	75	0	13.628	/	Pass
20	QPSK	3460	100	0	18.126	/	Pass
		3500	100	0	18.109	/	Pass
		3540	100	0	18.176	/	Pass
	16QAM	3460	100	0	18.107	/	Pass
		3500	100	0	18.109	/	Pass
		3540	100	0	18.089	/	Pass

3.1.2 Test Graph

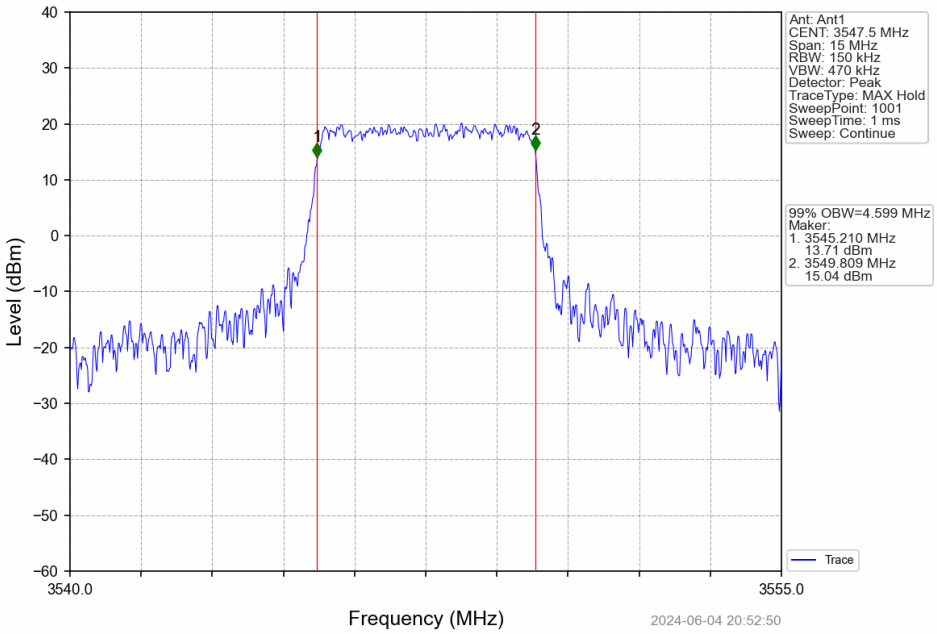
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV



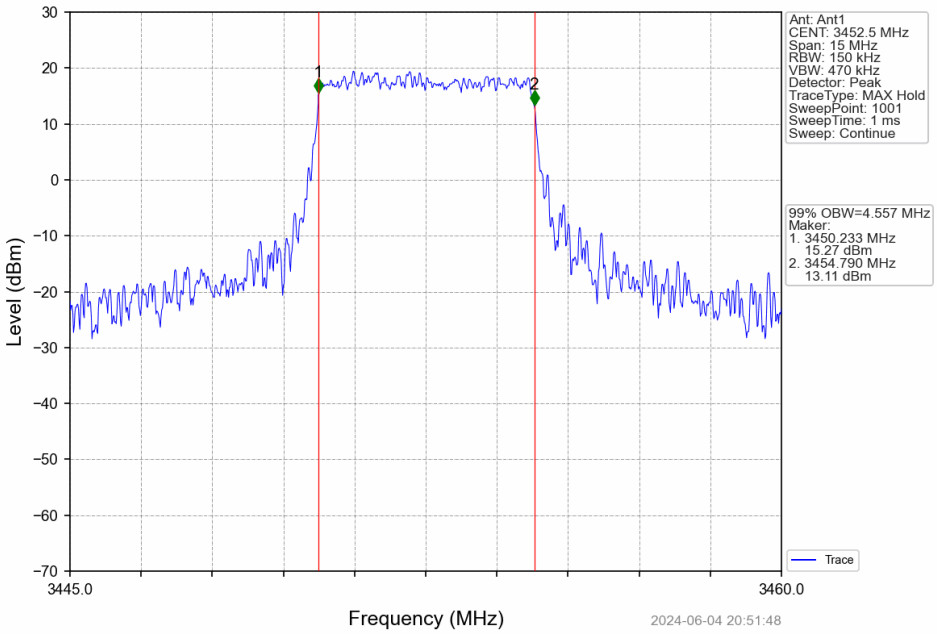
Band42a_5MHz_QPSK_MCH_3500MHz_RB_25_0_NTNV



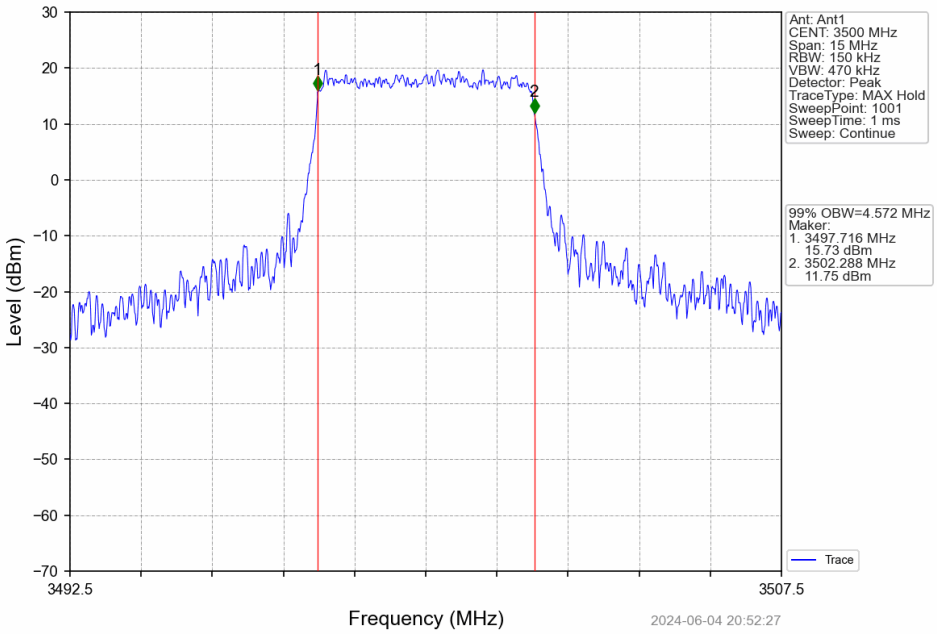
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



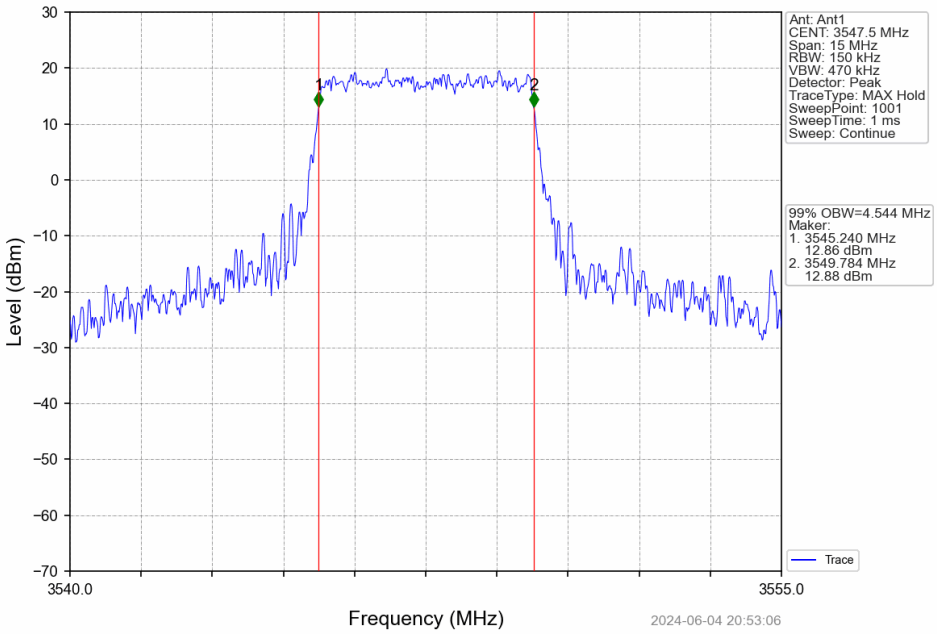
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



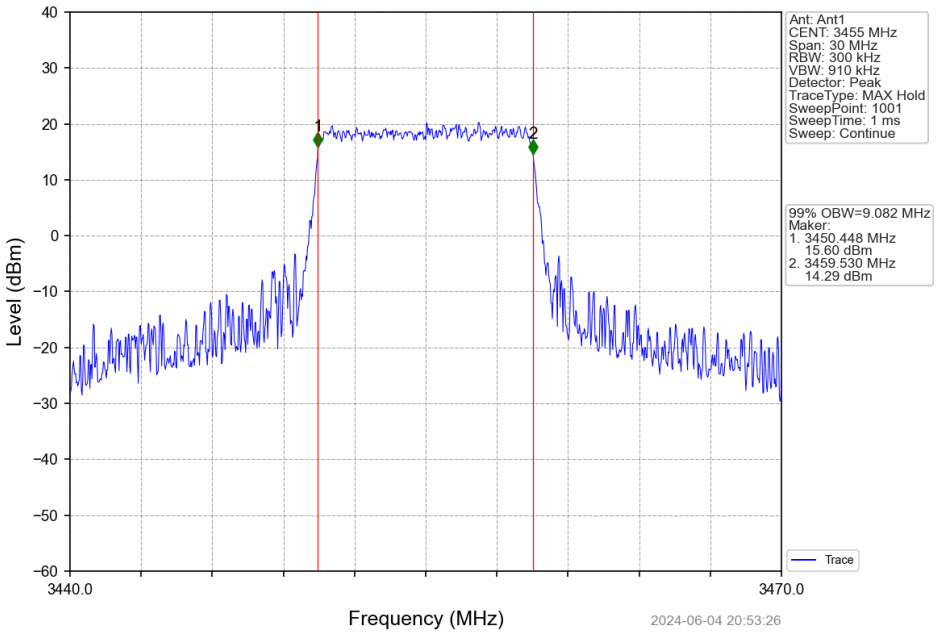
Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



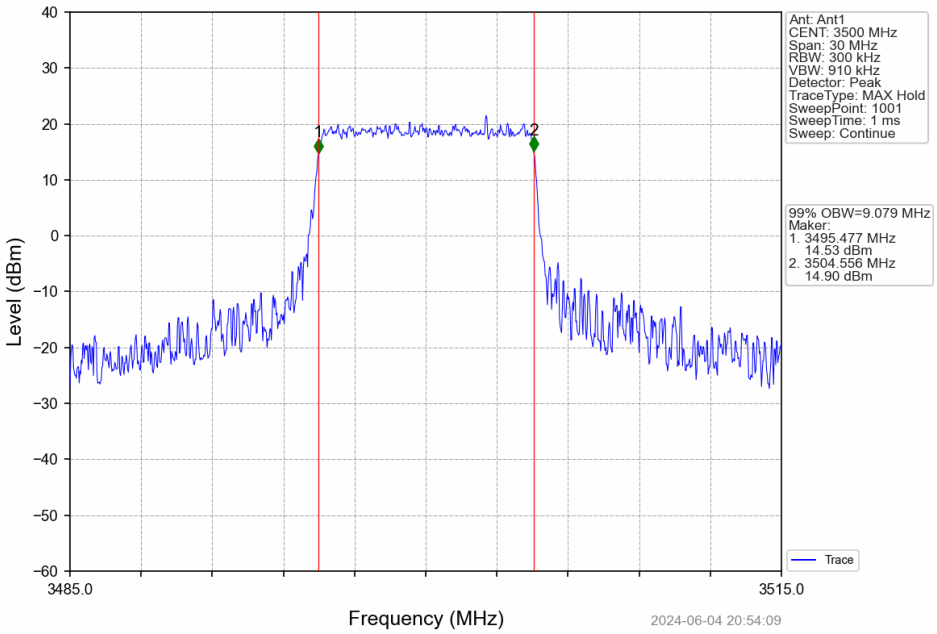
Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



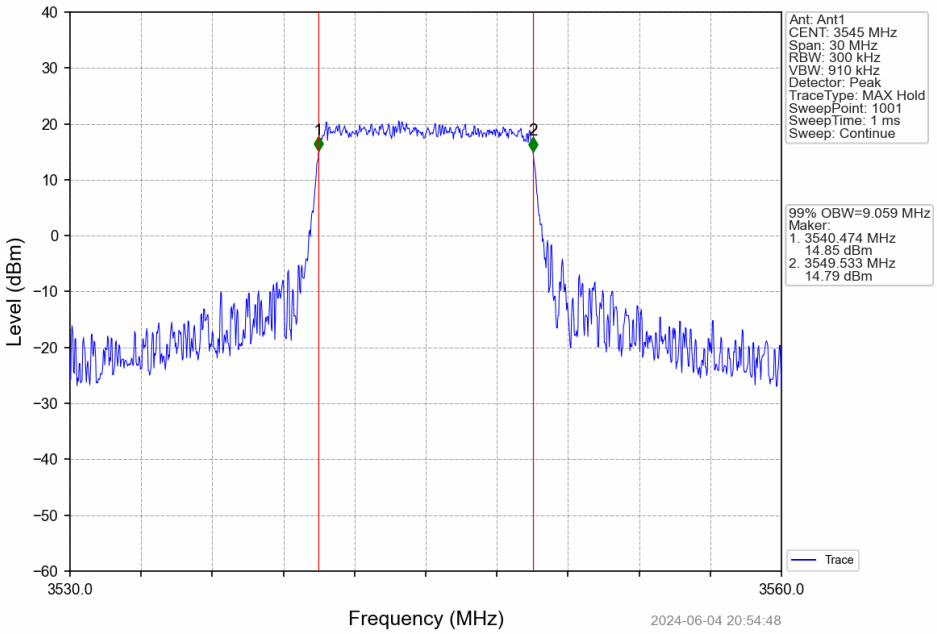
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



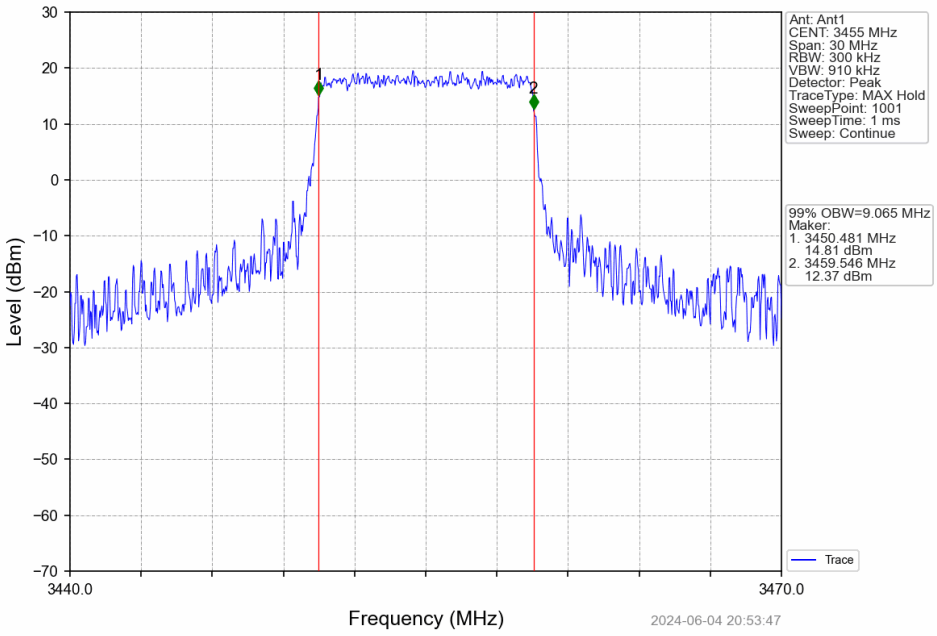
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



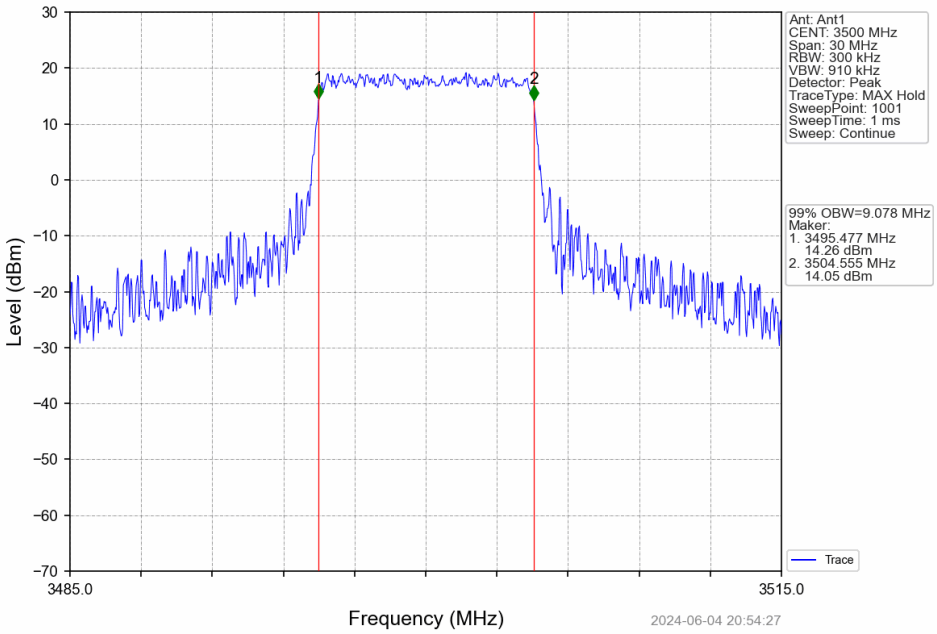
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



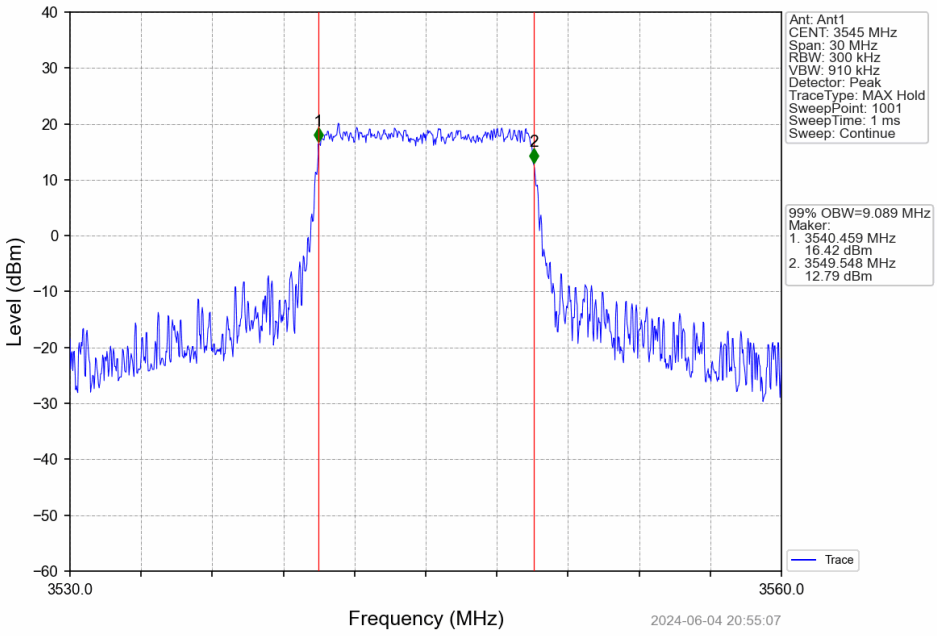
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



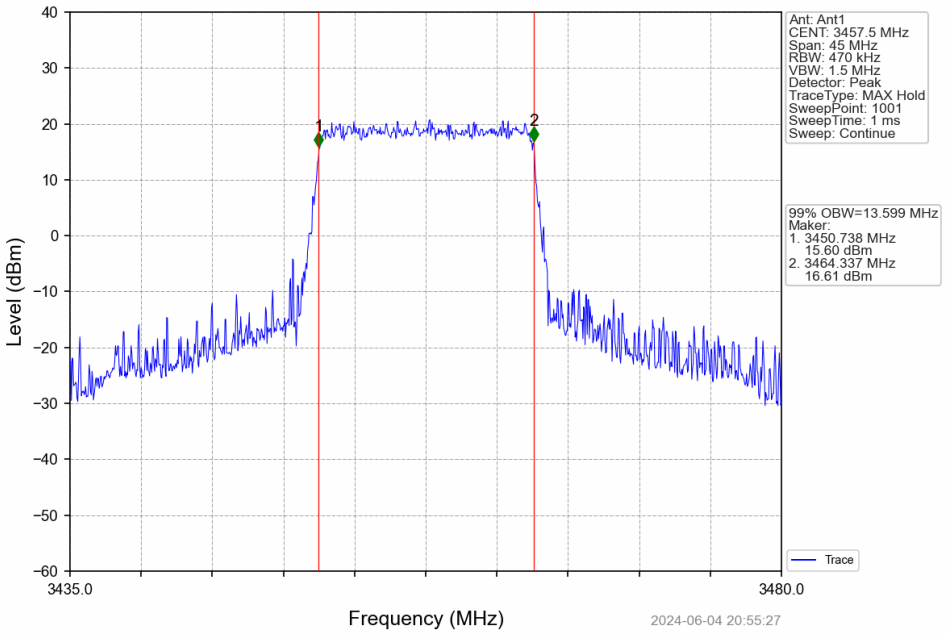
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



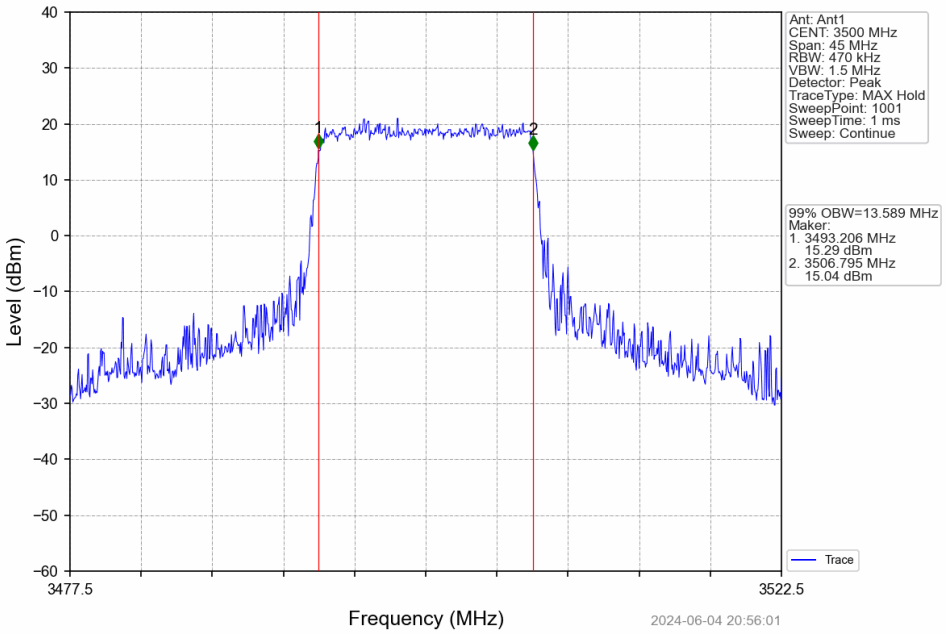
Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



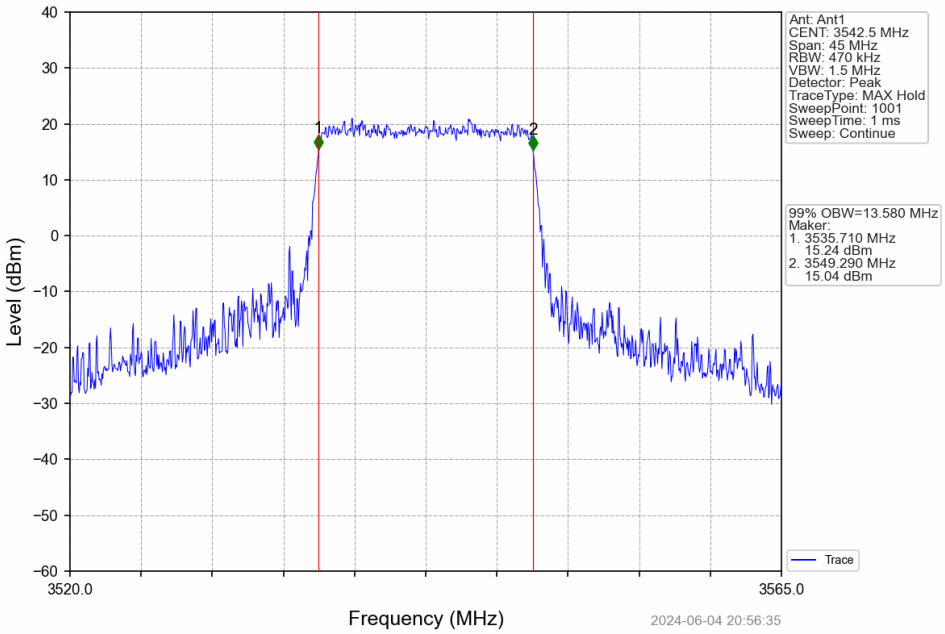
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



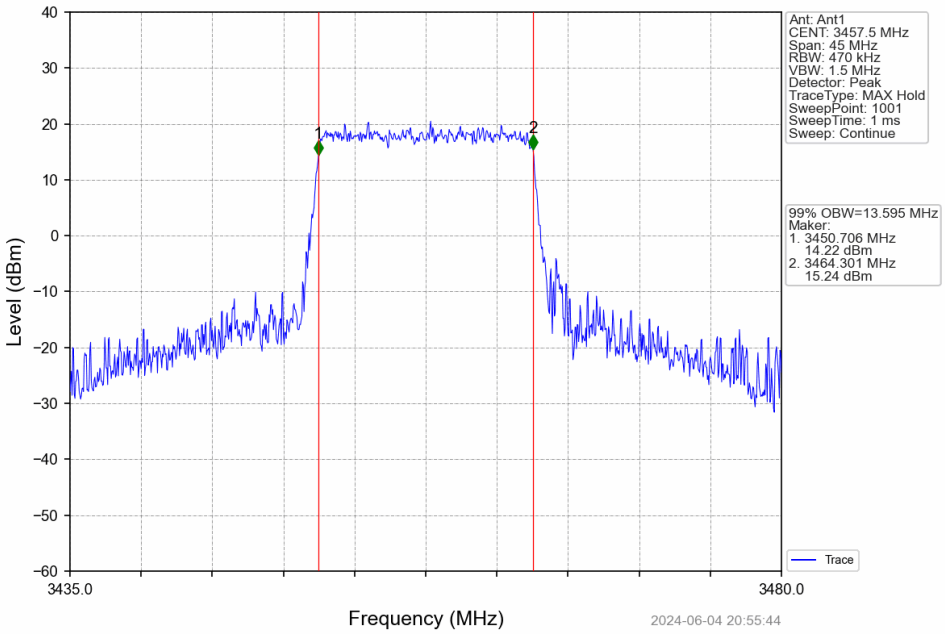
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



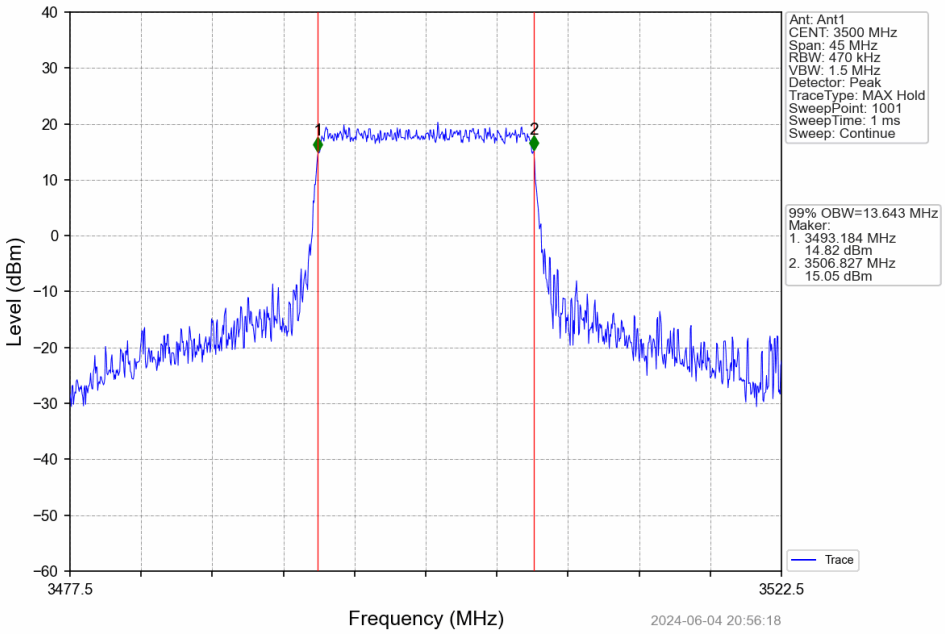
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



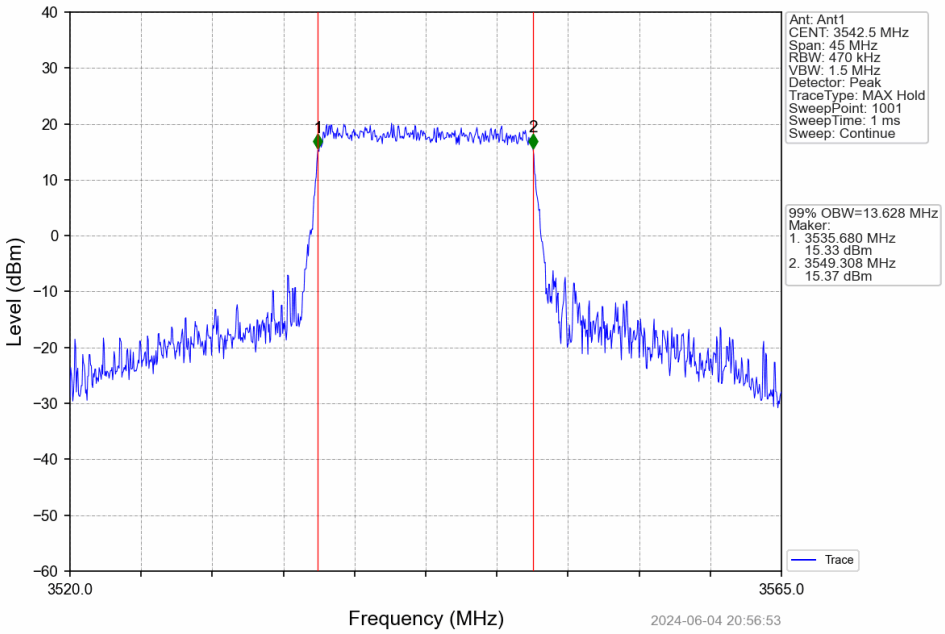
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



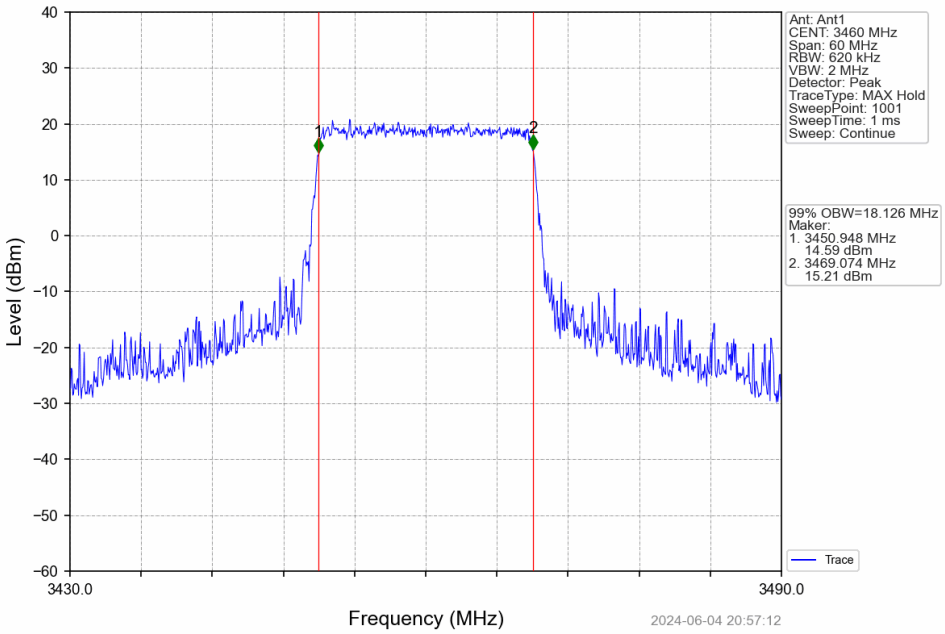
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



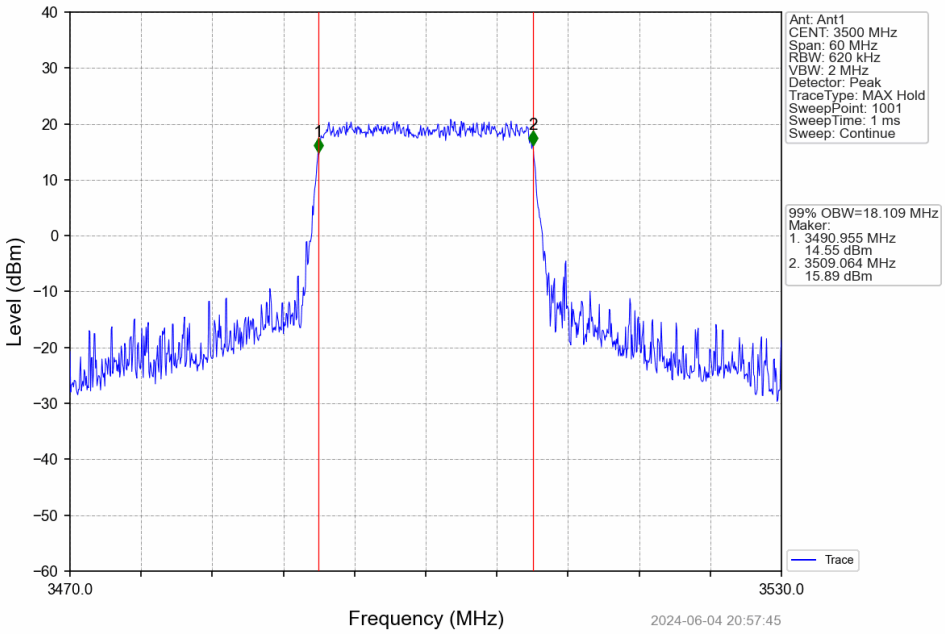
Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



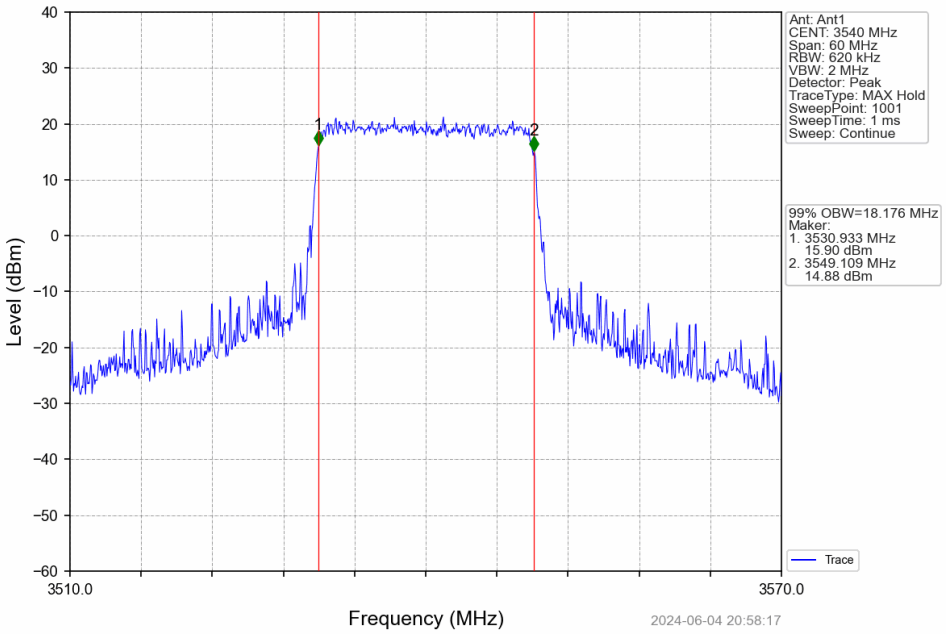
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



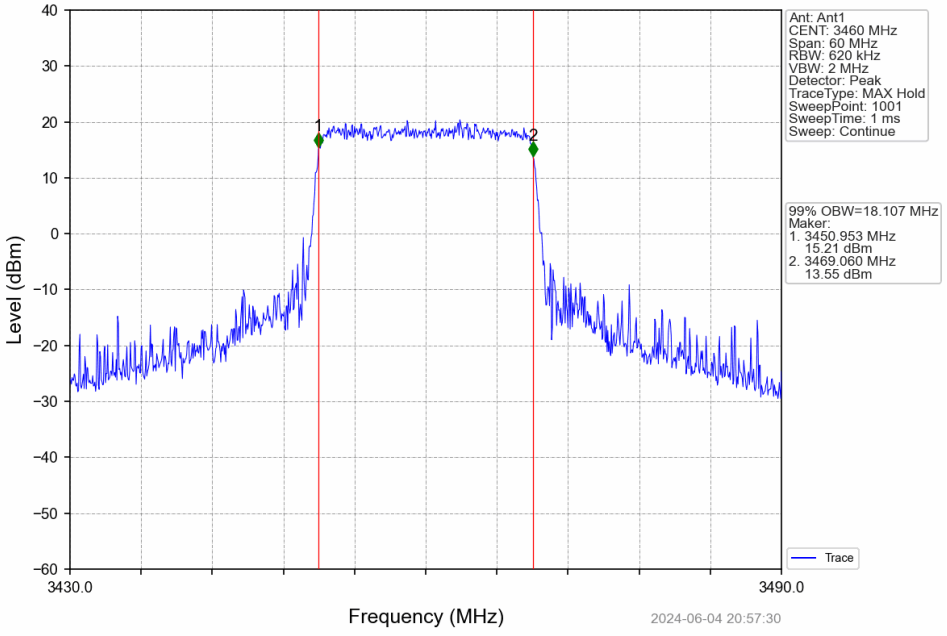
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



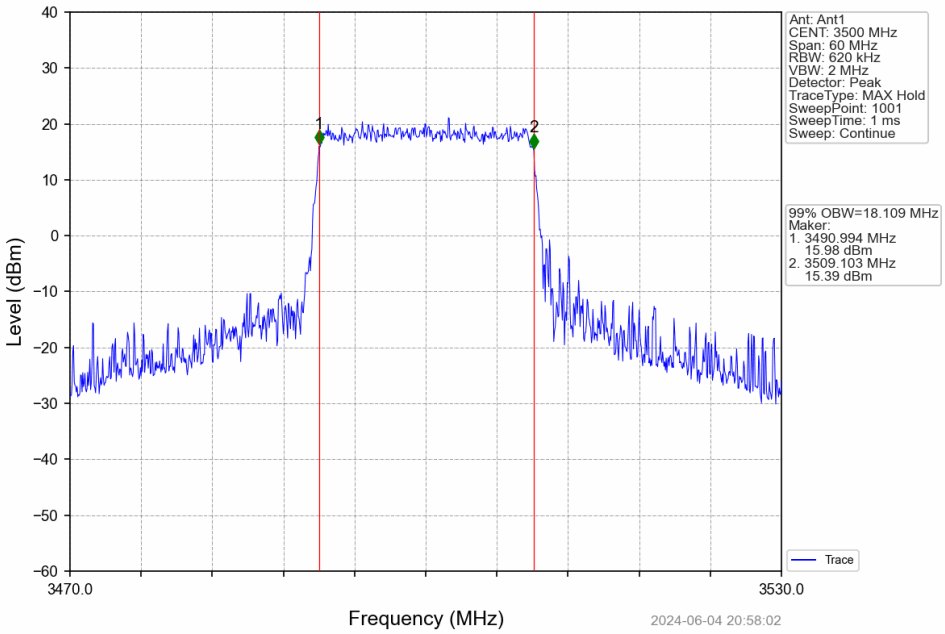
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



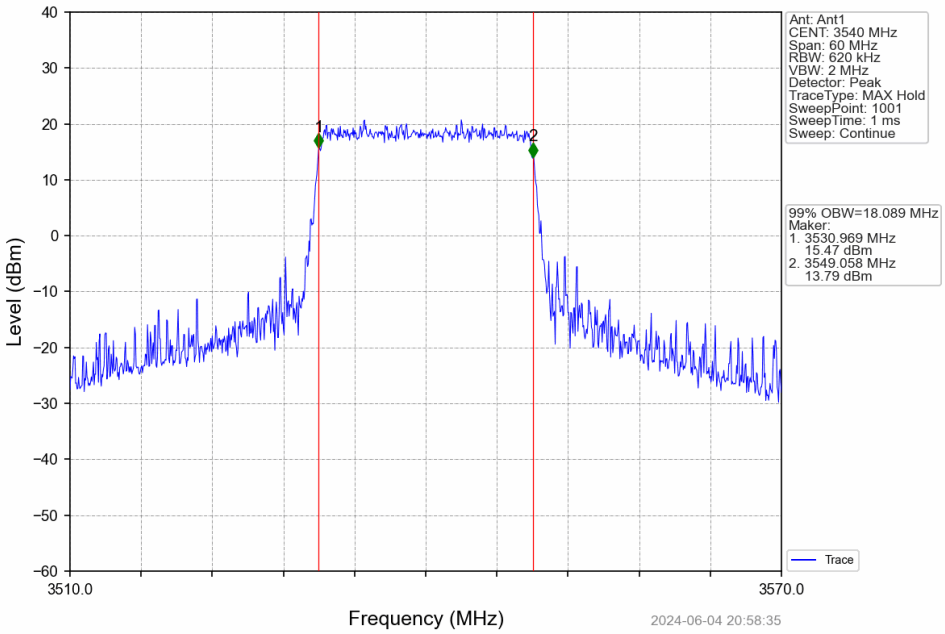
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



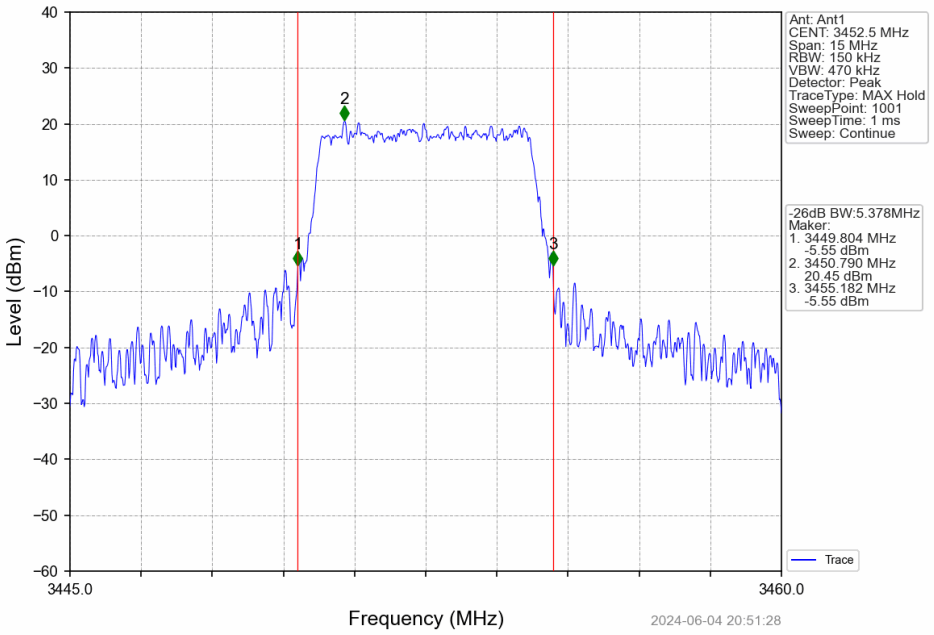
3.2 Band42a_XDB

3.2.1 Test Result

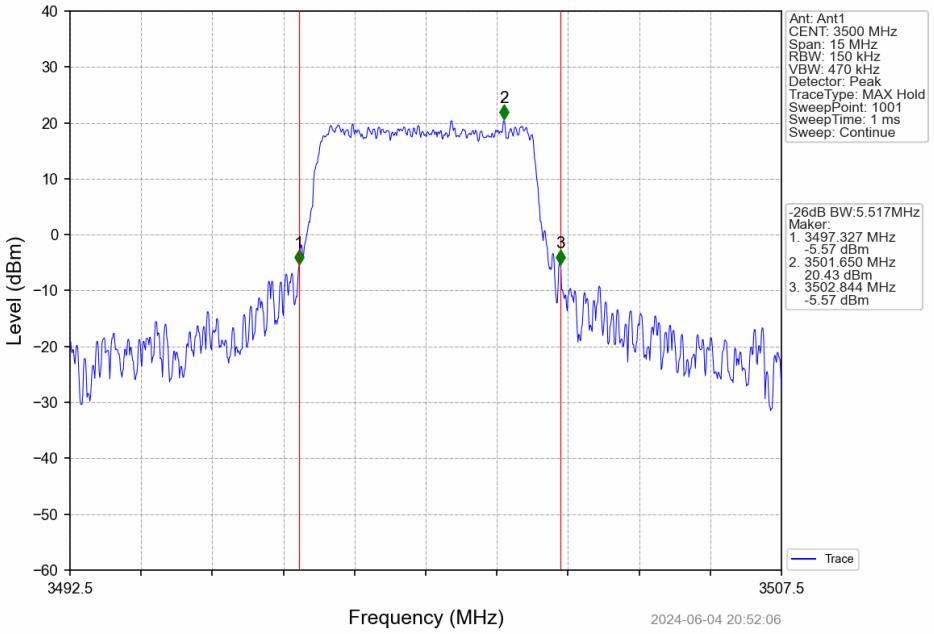
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	5.378	/	Pass
		3500	25	0	5.517	/	Pass
		3547.5	25	0	5.593	/	Pass
	16QAM	3452.5	25	0	5.711	/	Pass
		3500	25	0	5.777	/	Pass
		3547.5	25	0	5.663	/	Pass
10	QPSK	3455	50	0	11.626	/	Pass
		3500	50	0	10.116	/	Pass
		3545	50	0	11.162	/	Pass
	16QAM	3455	50	0	12.177	/	Pass
		3500	50	0	11.764	/	Pass
		3545	50	0	10.597	/	Pass
15	QPSK	3457.5	75	0	16.075	/	Pass
		3500	75	0	15.676	/	Pass
		3542.5	75	0	16.323	/	Pass
	16QAM	3457.5	75	0	15.886	/	Pass
		3500	75	0	15.330	/	Pass
		3542.5	75	0	15.151	/	Pass
20	QPSK	3460	100	0	20.319	/	Pass
		3500	100	0	21.953	/	Pass
		3540	100	0	20.019	/	Pass
	16QAM	3460	100	0	21.321	/	Pass
		3500	100	0	21.972	/	Pass
		3540	100	0	23.624	/	Pass

3.2.2 Test Graph

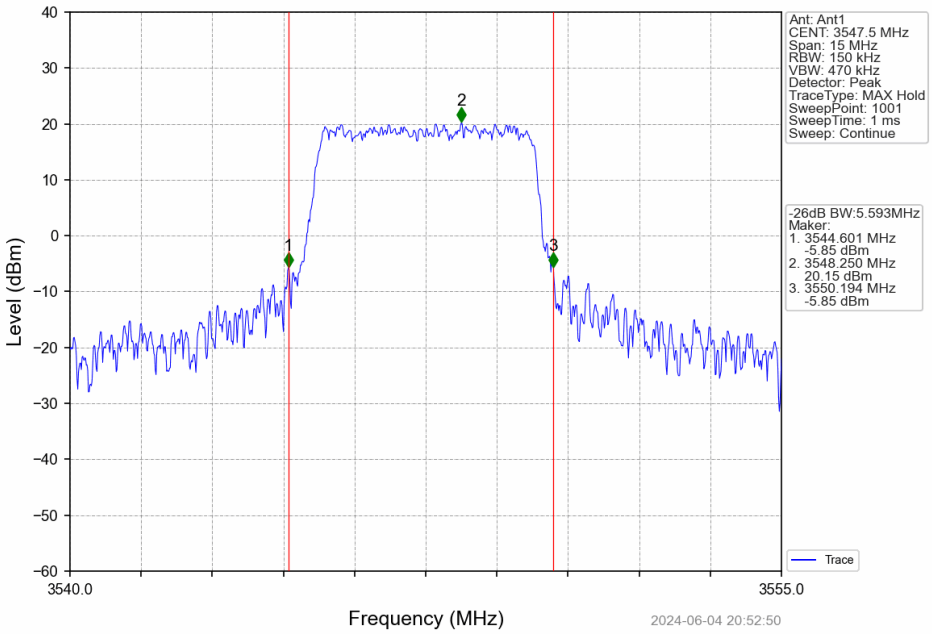
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV



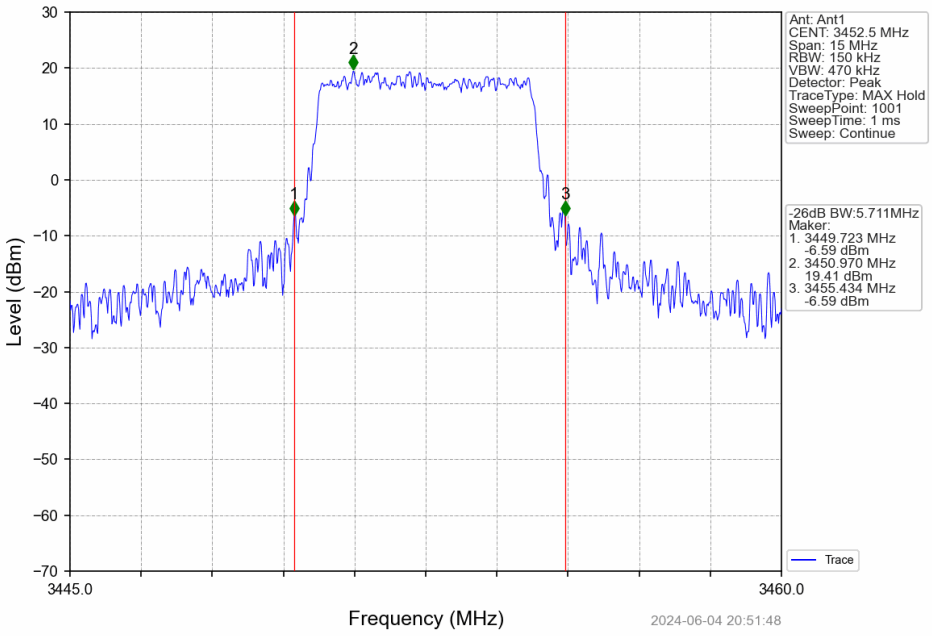
Band42a_5MHz_QPSK_MCH_3500MHz_RB_25_0_NTNV



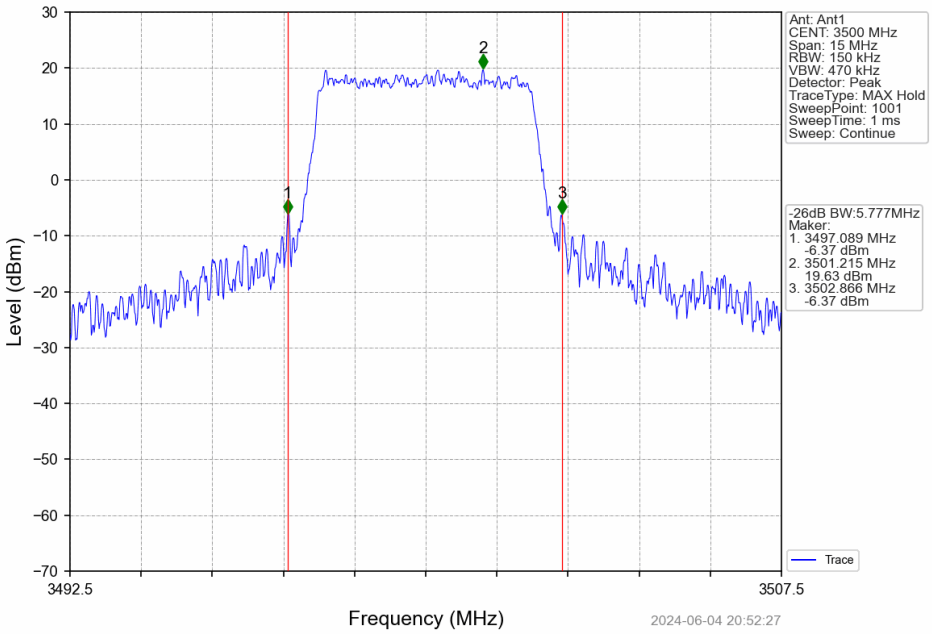
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



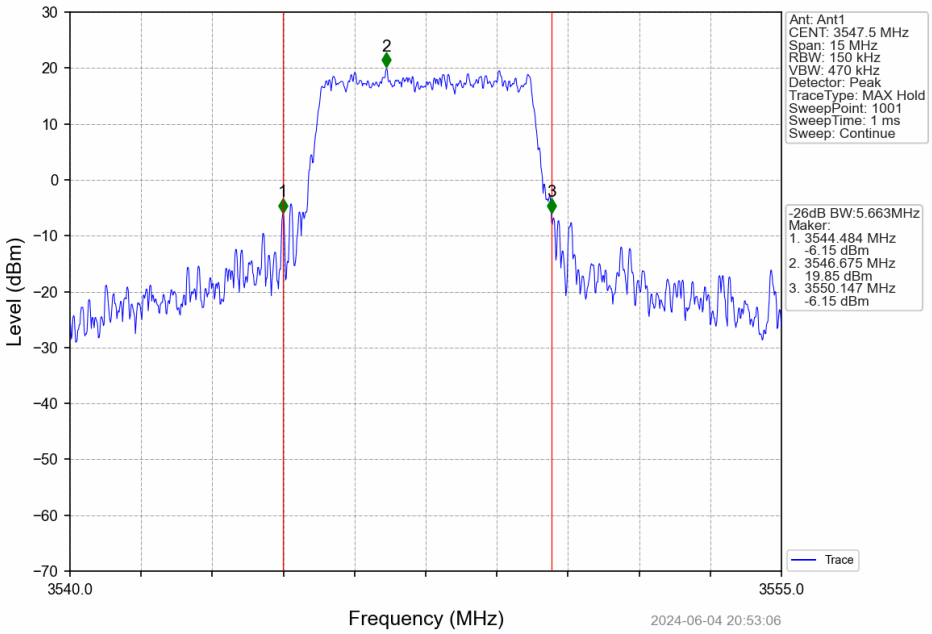
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



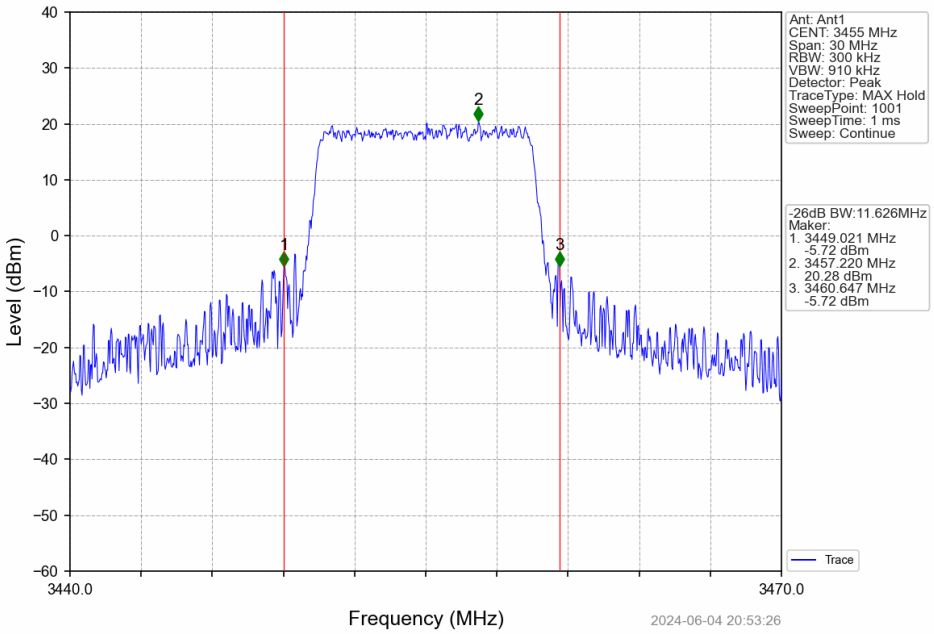
Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



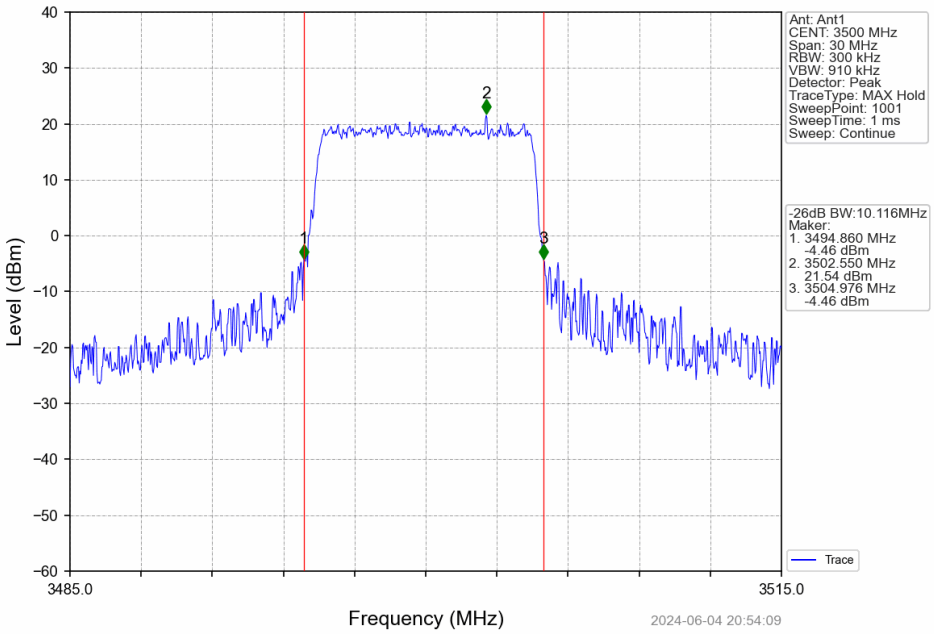
Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



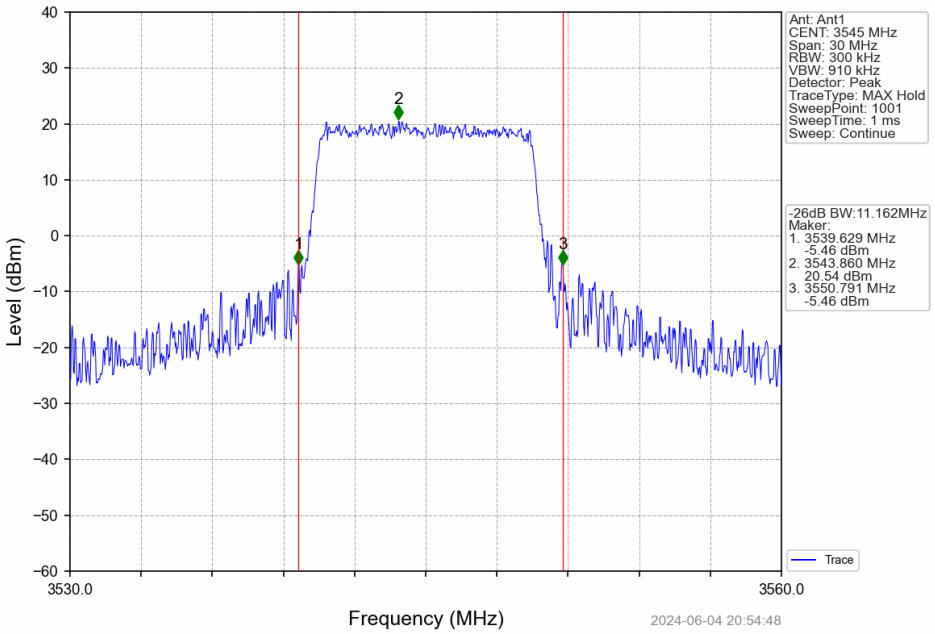
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



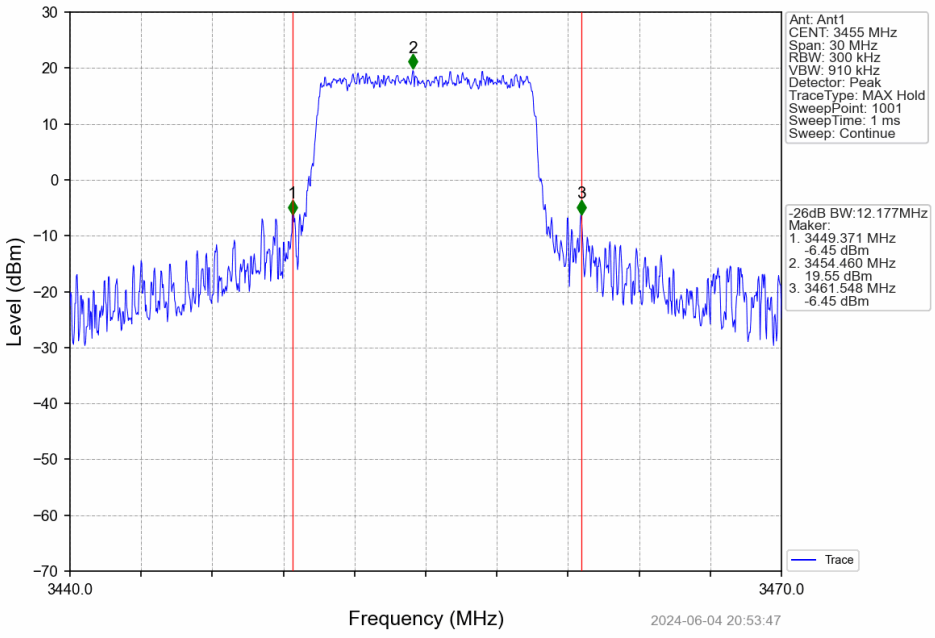
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



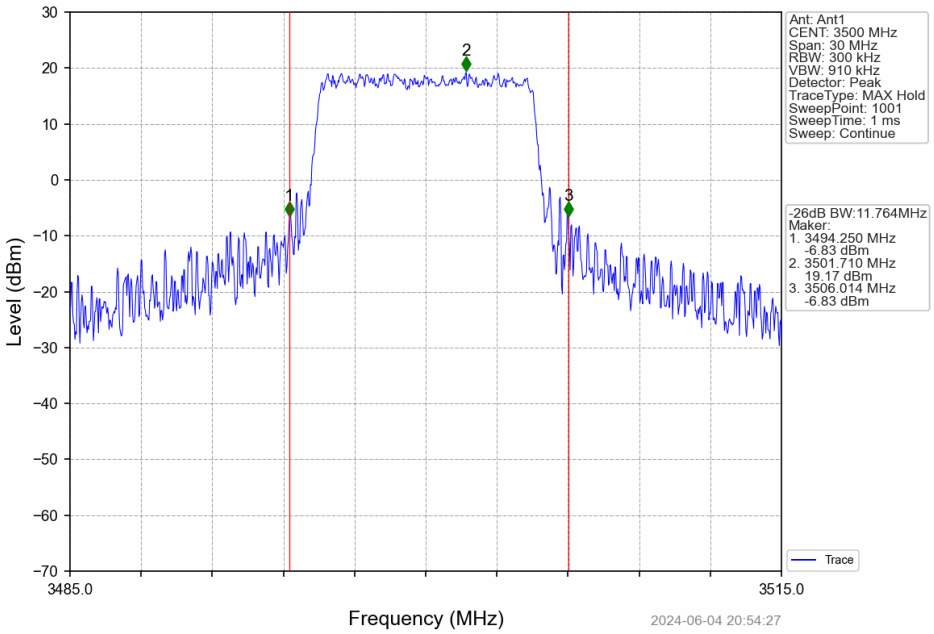
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



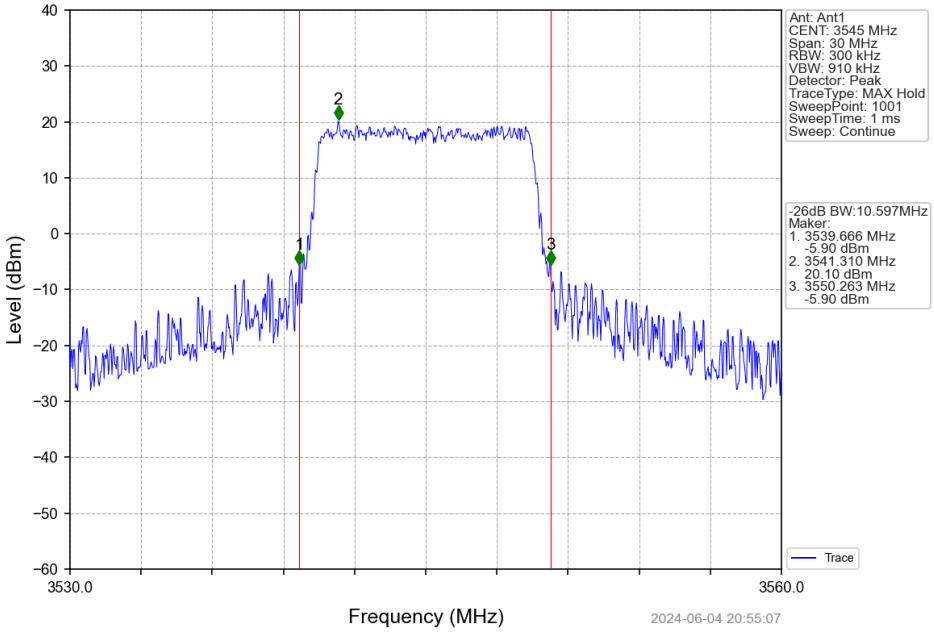
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



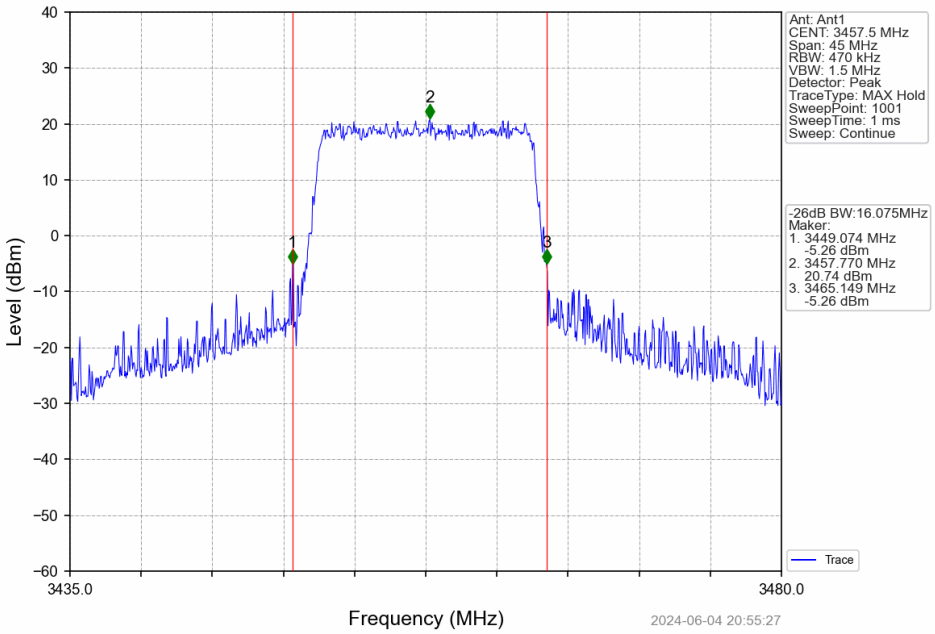
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



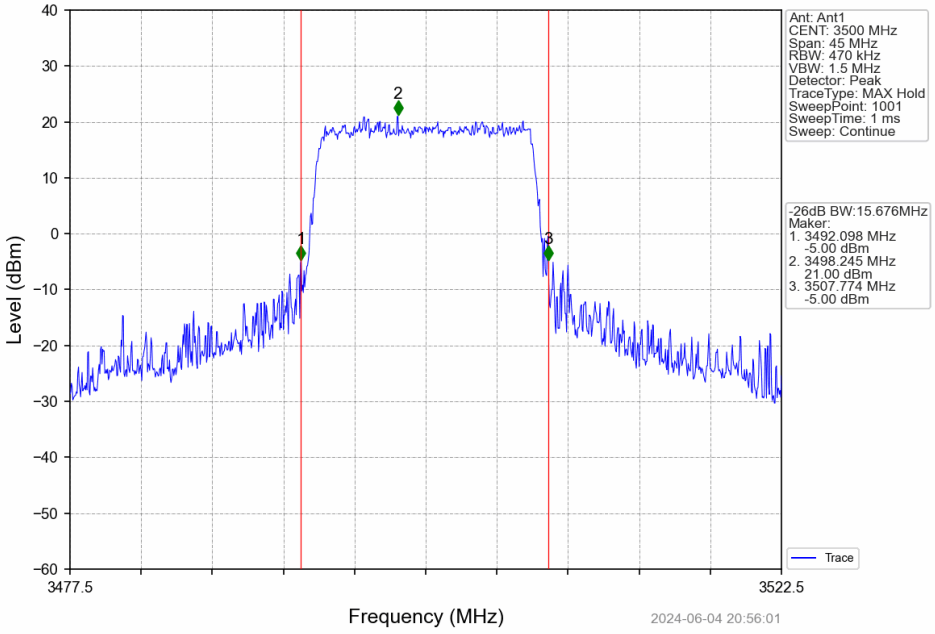
Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



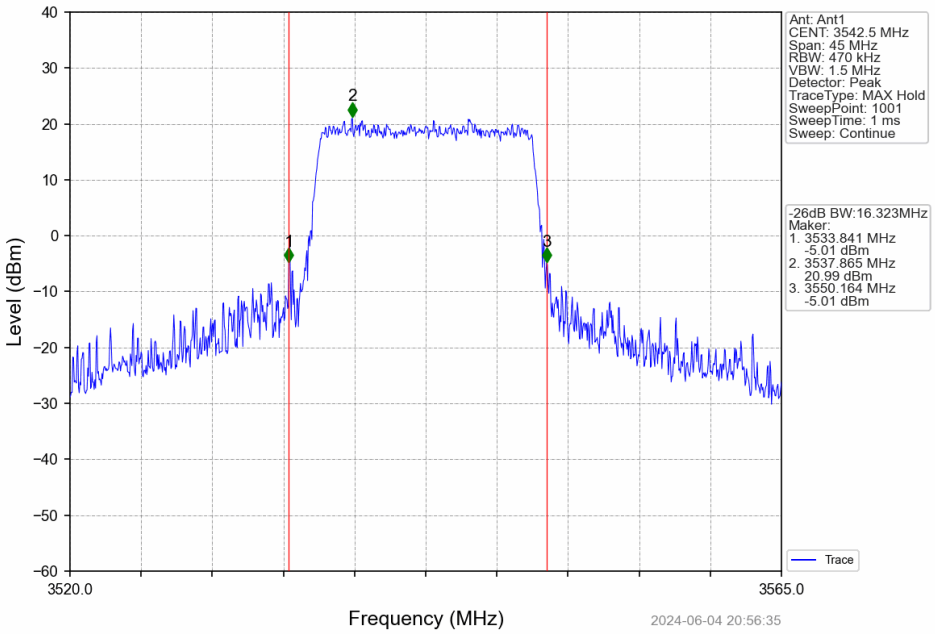
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



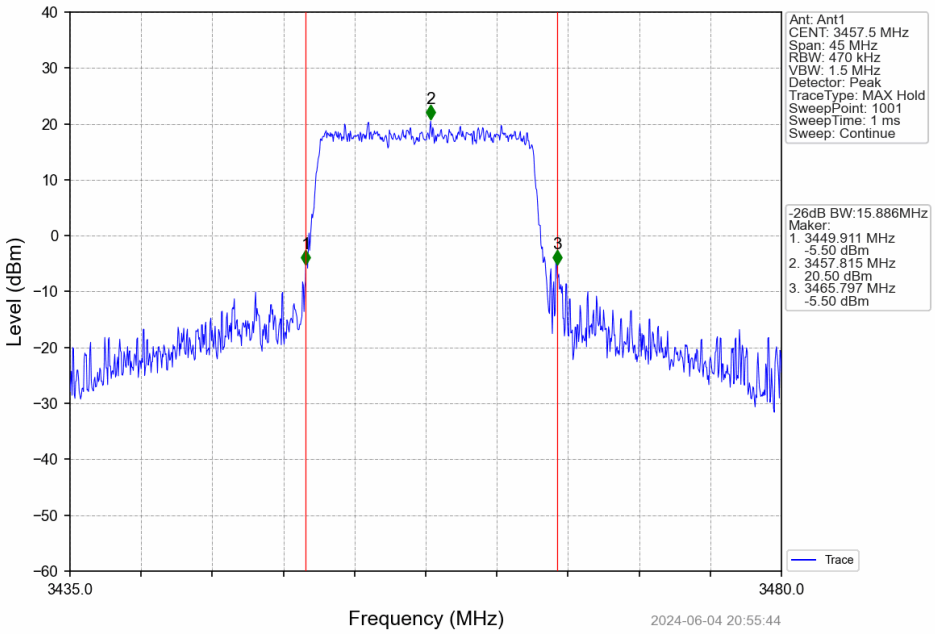
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



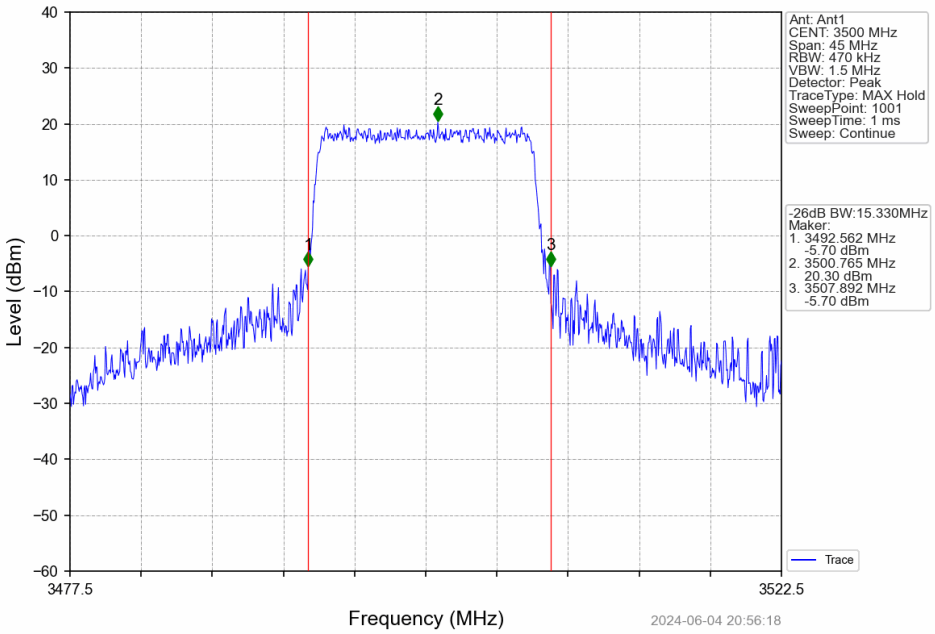
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



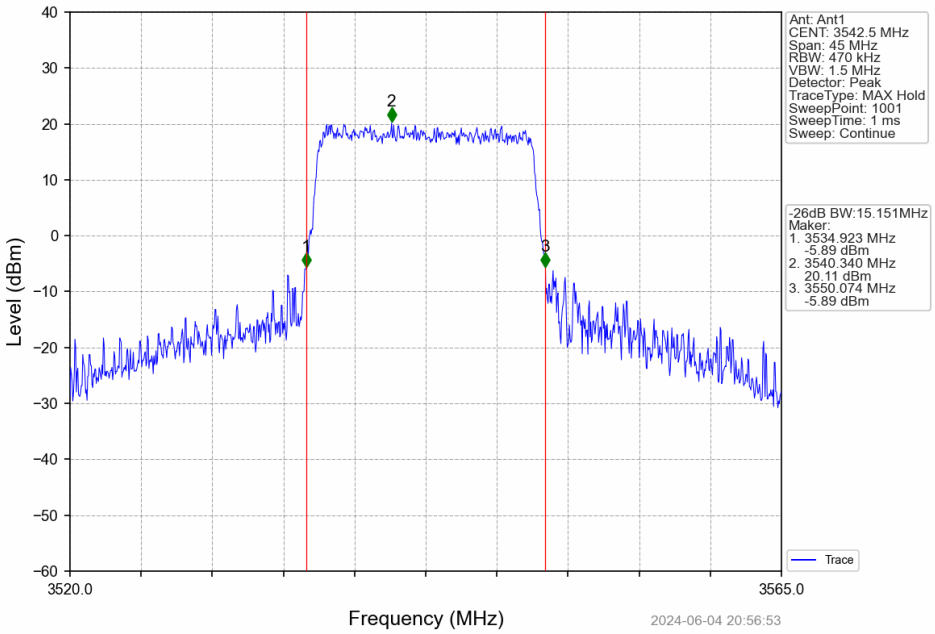
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



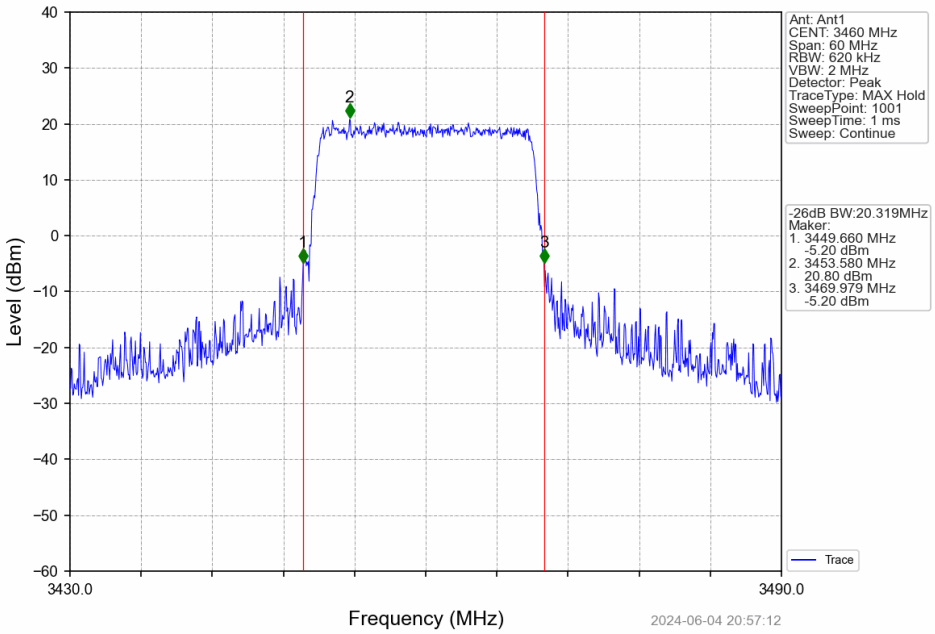
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



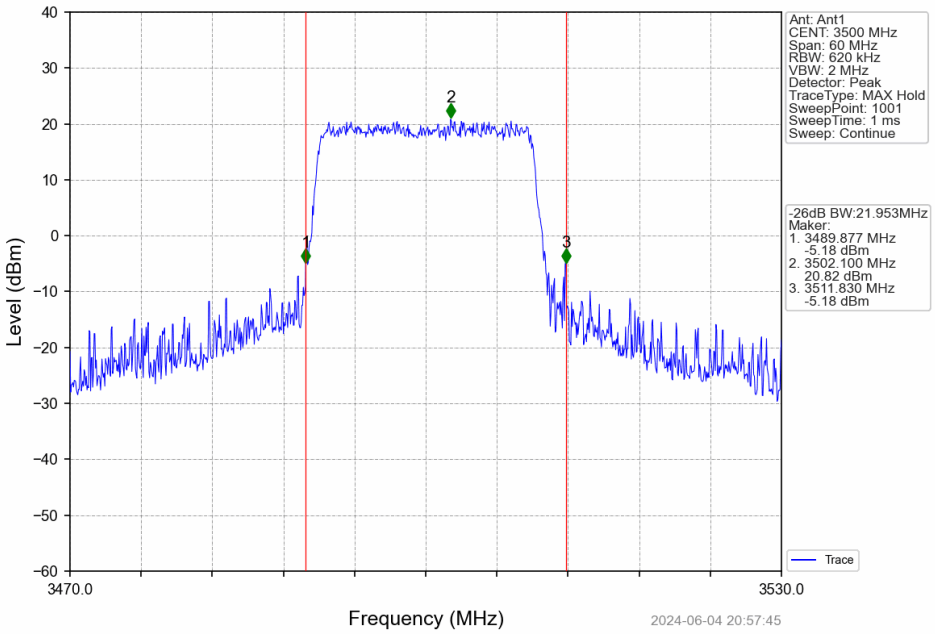
Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



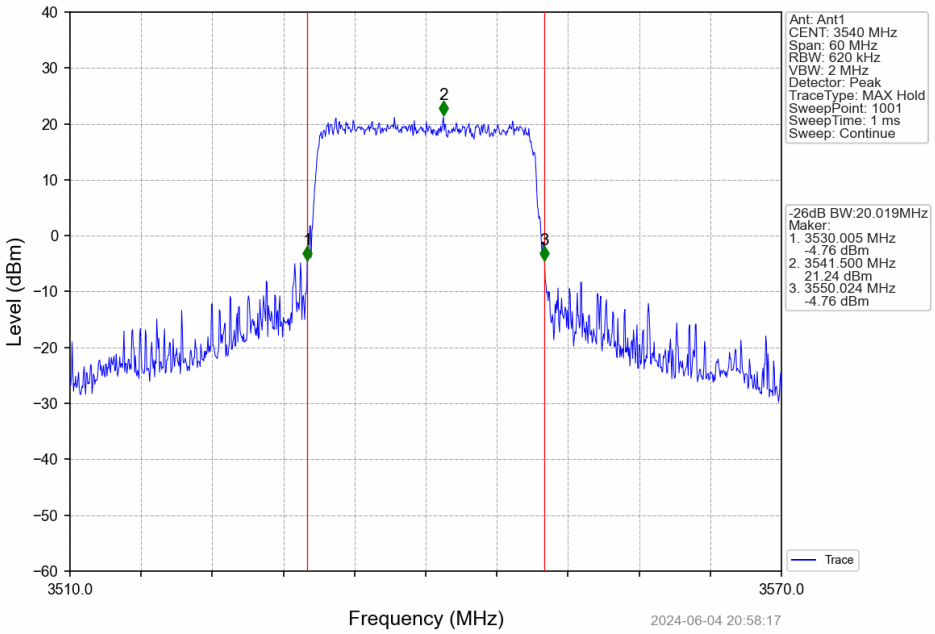
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



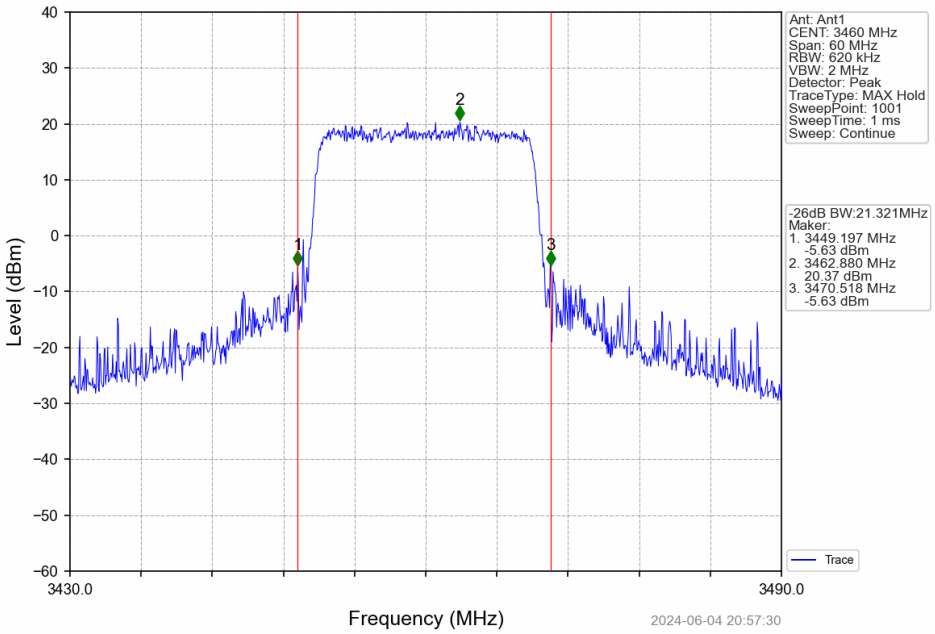
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



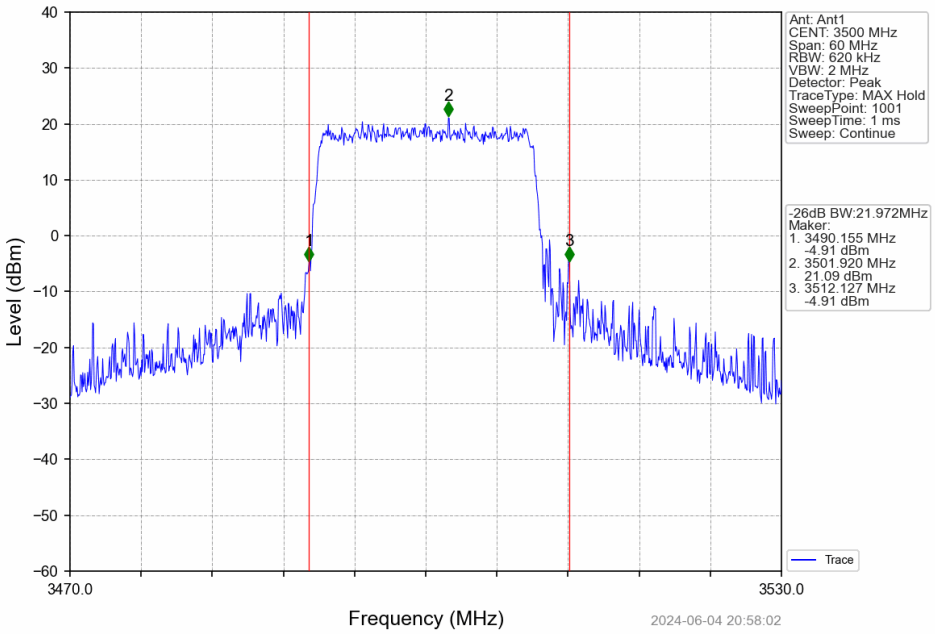
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



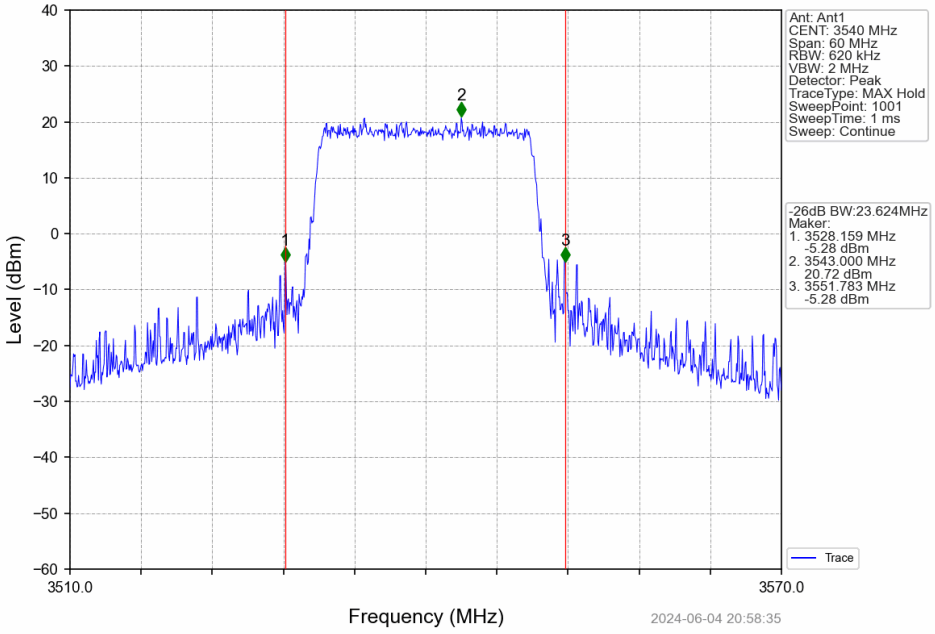
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



4. Peak-Average Ratio

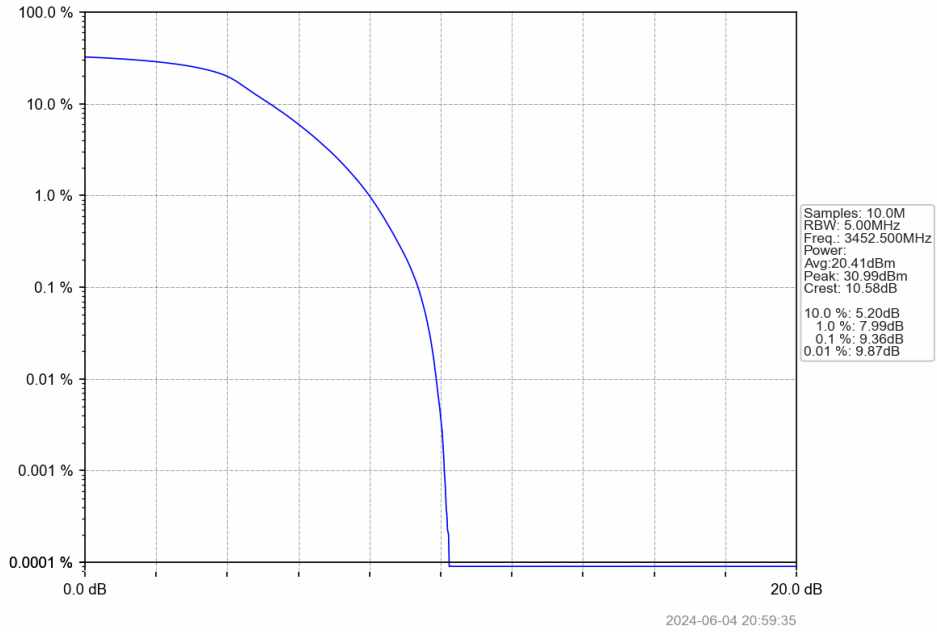
4.1 B42a_5MHz

4.1.1 Test Result

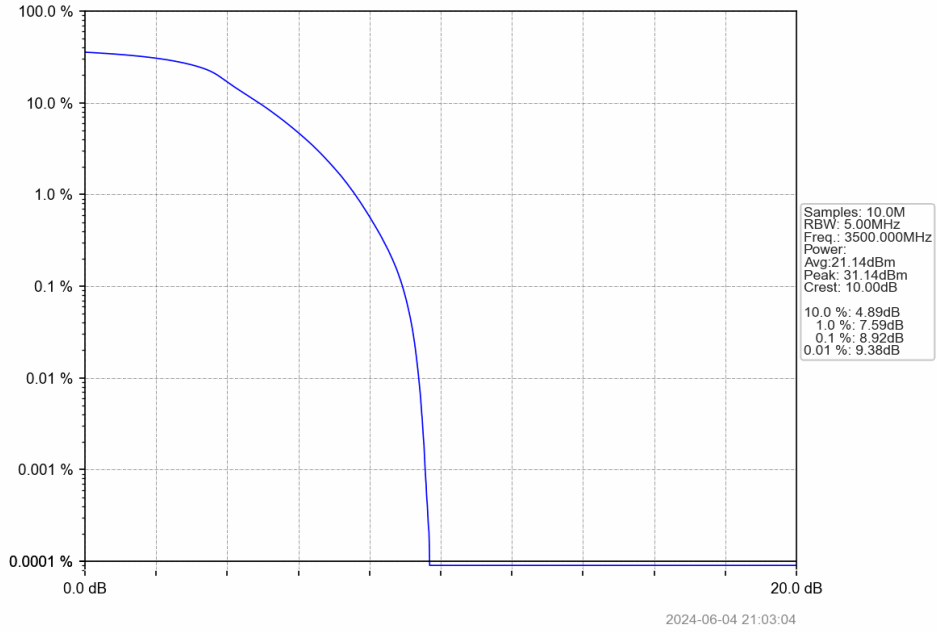
Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	25	0	9.36	<=13	Pass
	3500	25	0	8.92	<=13	Pass
	3547.5	25	0	9.23	<=13	Pass
16QAM	3452.5	25	0	9.80	<=13	Pass
	3500	25	0	9.62	<=13	Pass
	3547.5	25	0	9.71	<=13	Pass

4.1.2 Test Graph

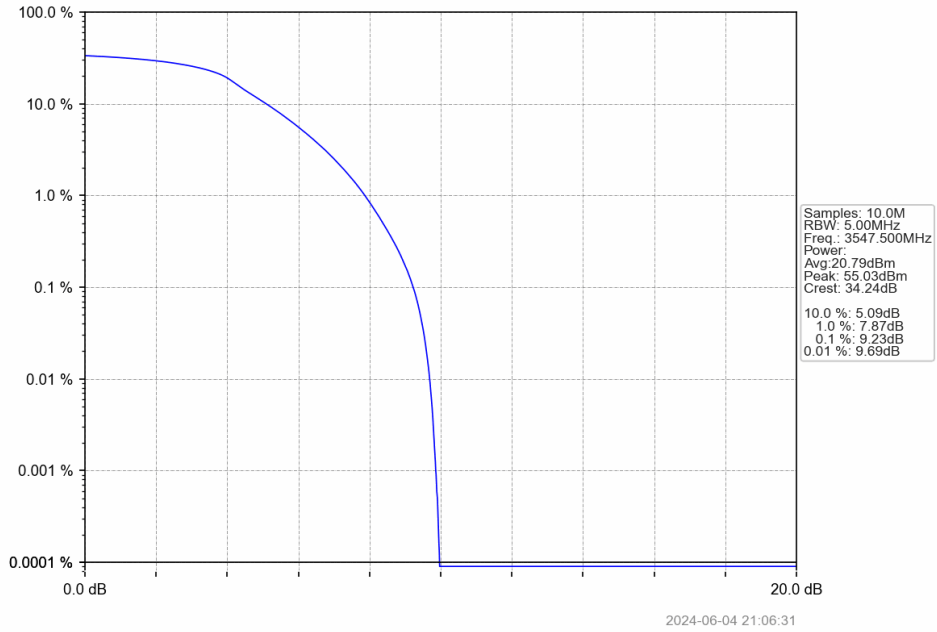
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV



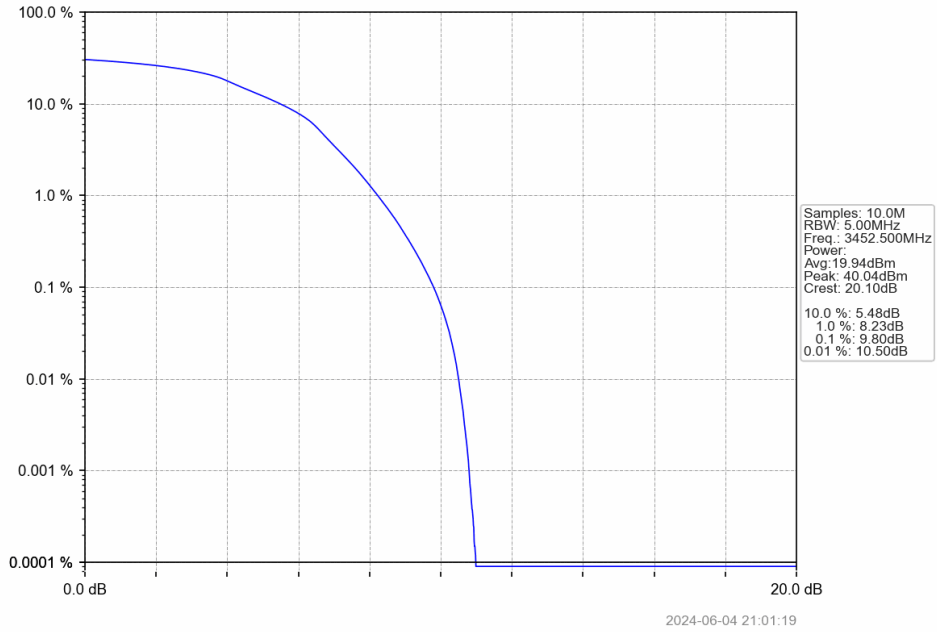
Band42a_5MHz_QPSK_MCH_3500MHz_RB_25_0_NTNV



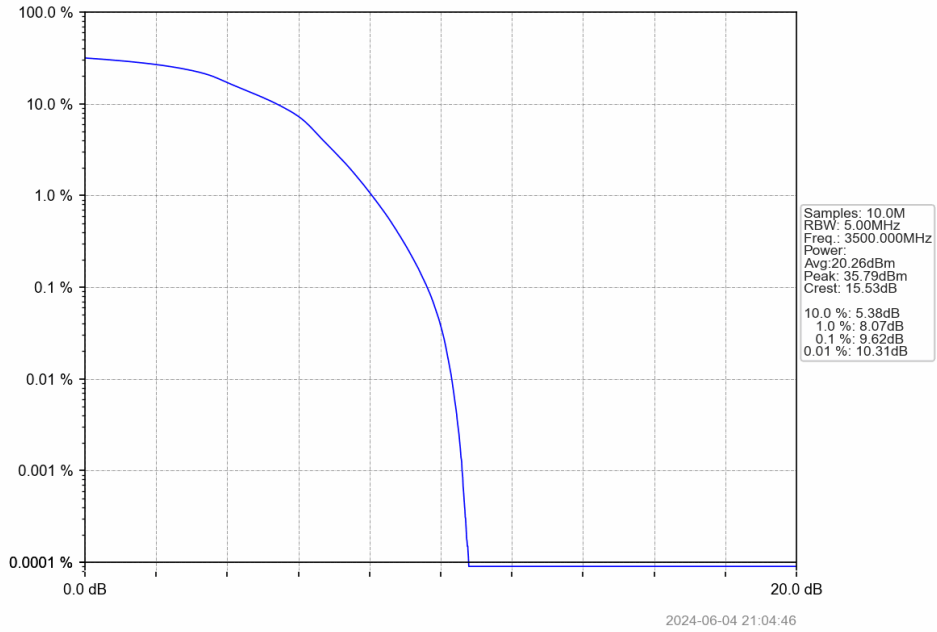
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



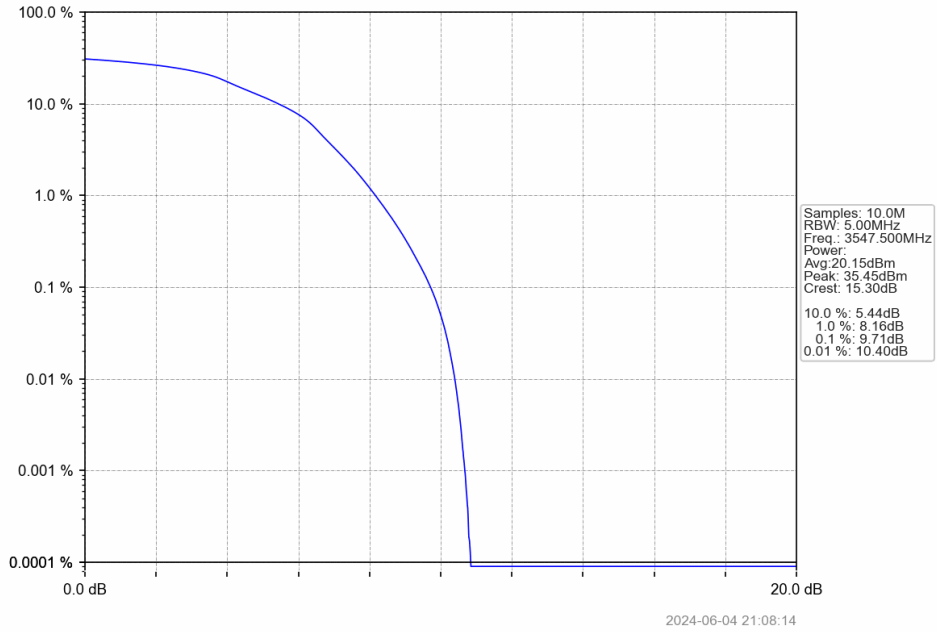
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



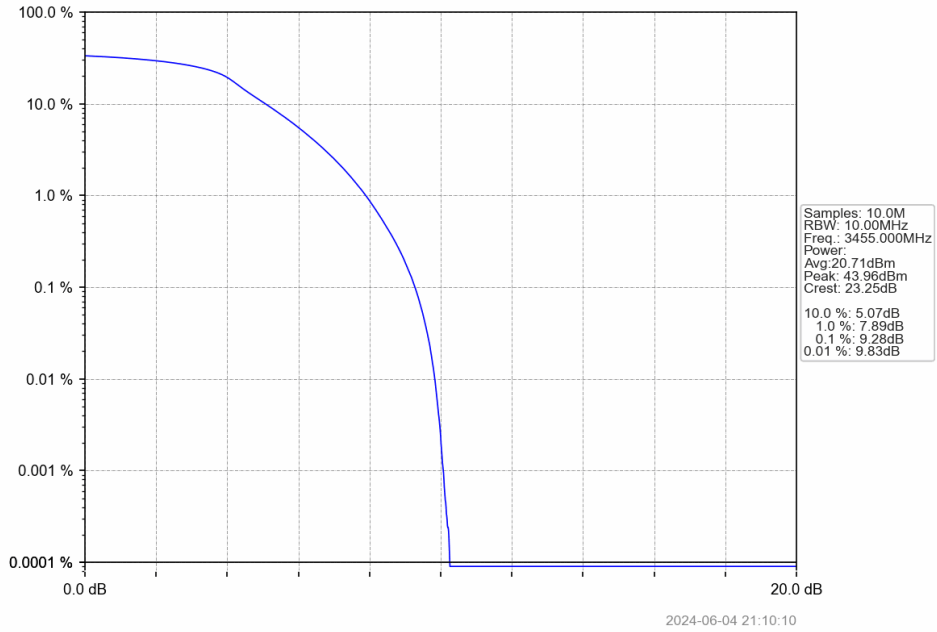
4.2 B42a_10MHz

4.2.1 Test Result

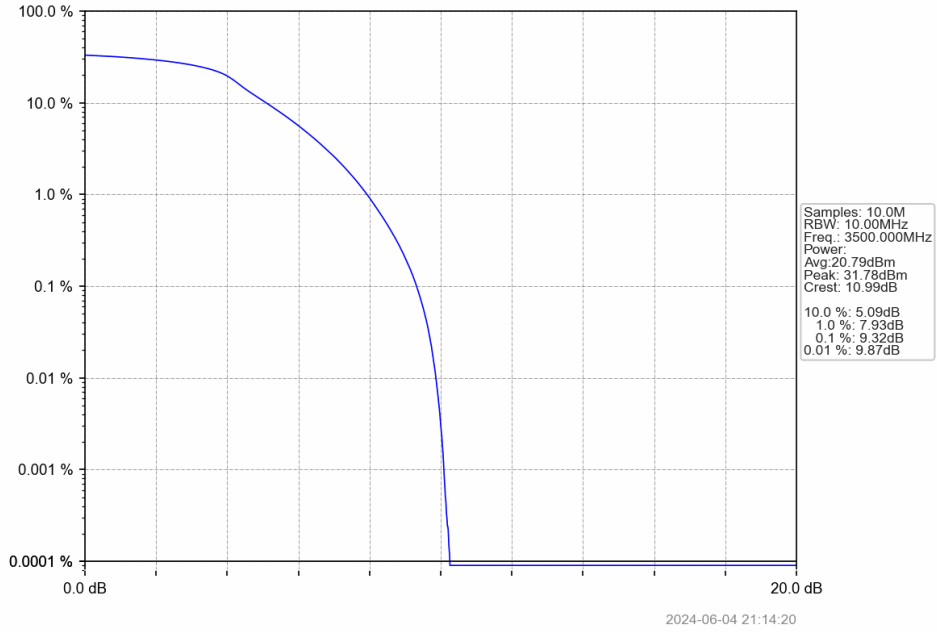
Band: 42a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	50	0	9.28	<=13	Pass
	3500	50	0	9.32	<=13	Pass
	3545	50	0	9.42	<=13	Pass
16QAM	3455	50	0	9.77	<=13	Pass
	3500	50	0	9.68	<=13	Pass
	3545	50	0	10.10	<=13	Pass

4.2.2 Test Graph

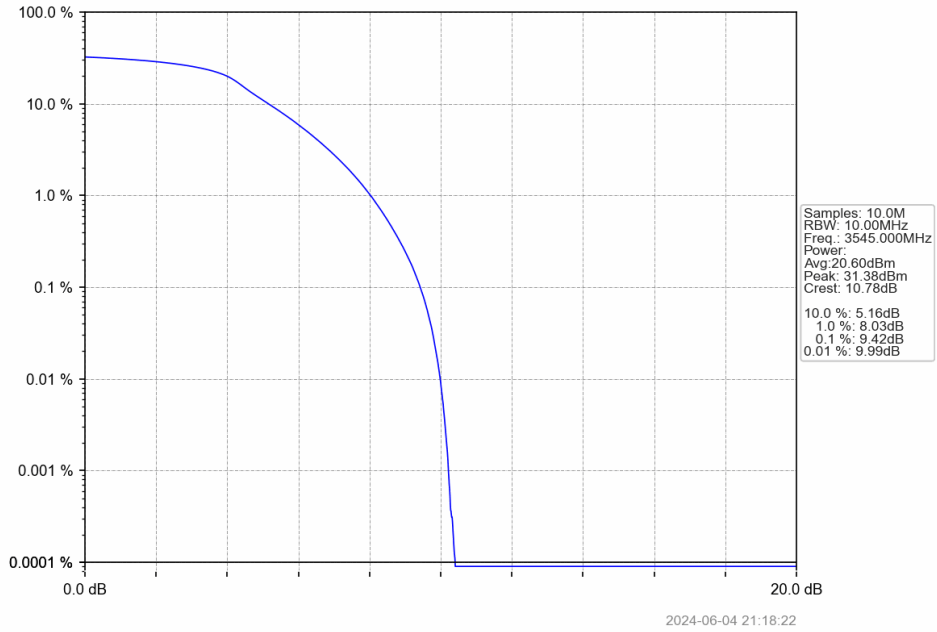
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



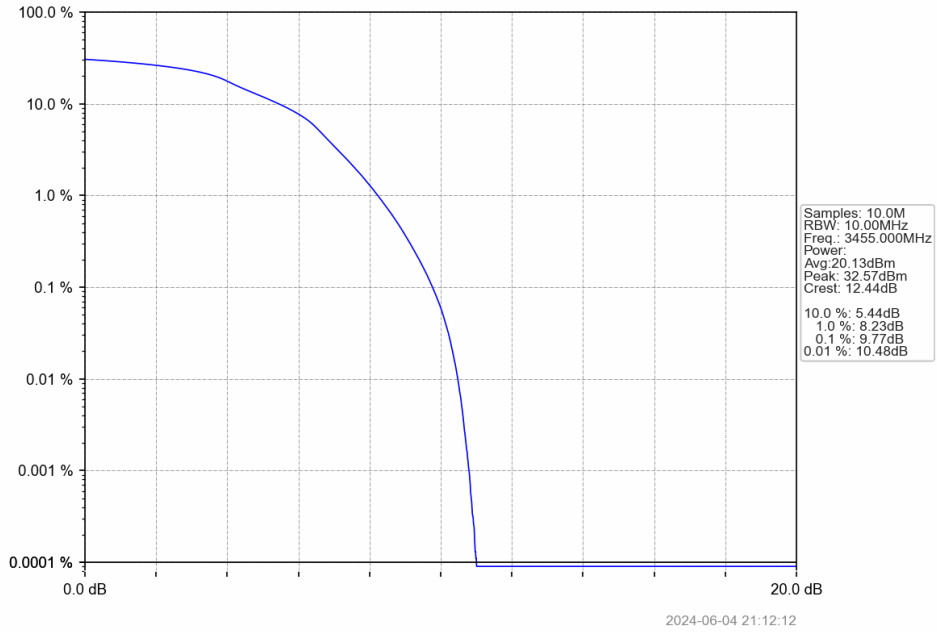
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



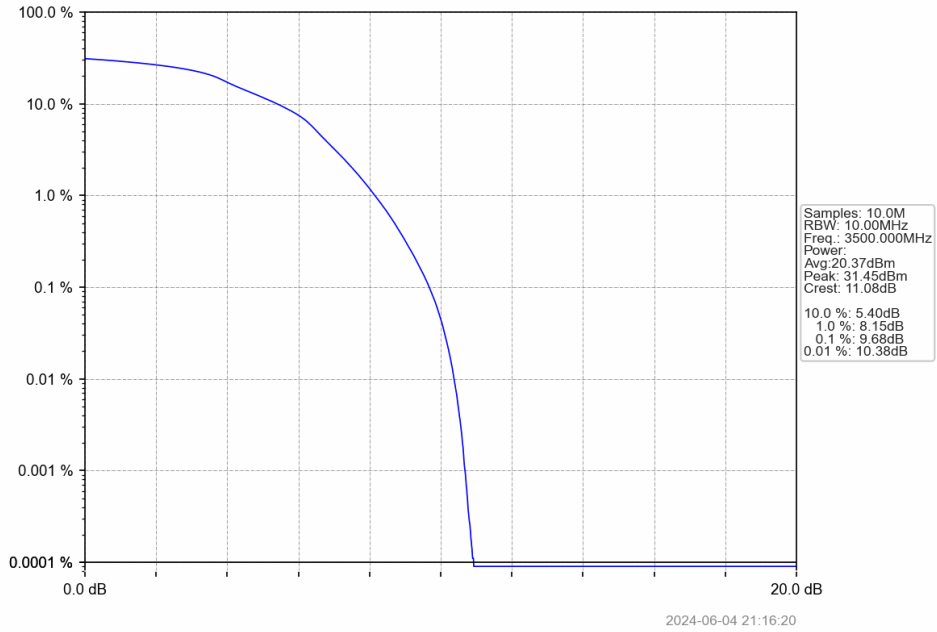
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



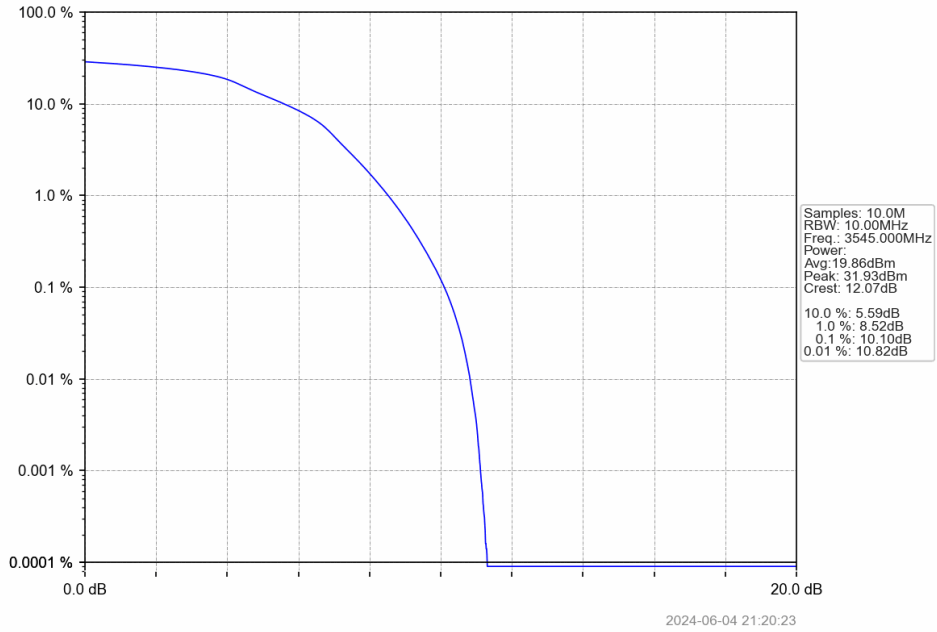
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



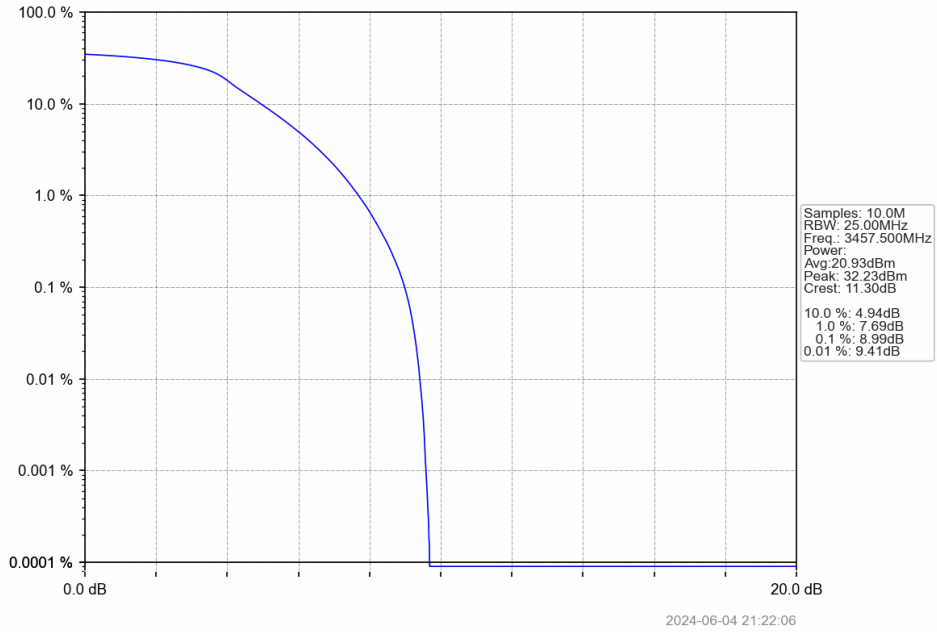
4.3 B42a_15MHz

4.3.1 Test Result

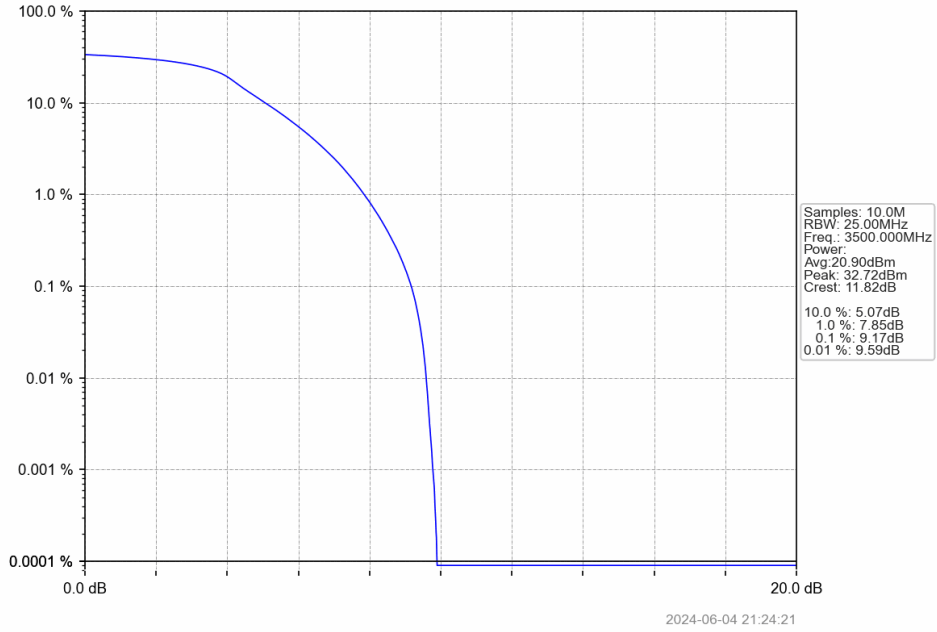
Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	75	0	8.99	<=13	Pass
	3500	75	0	9.17	<=13	Pass
	3542.5	75	0	9.11	<=13	Pass
16QAM	3457.5	75	0	9.64	<=13	Pass
	3500	75	0	9.76	<=13	Pass
	3542.5	75	0	9.45	<=13	Pass

4.3.2 Test Graph

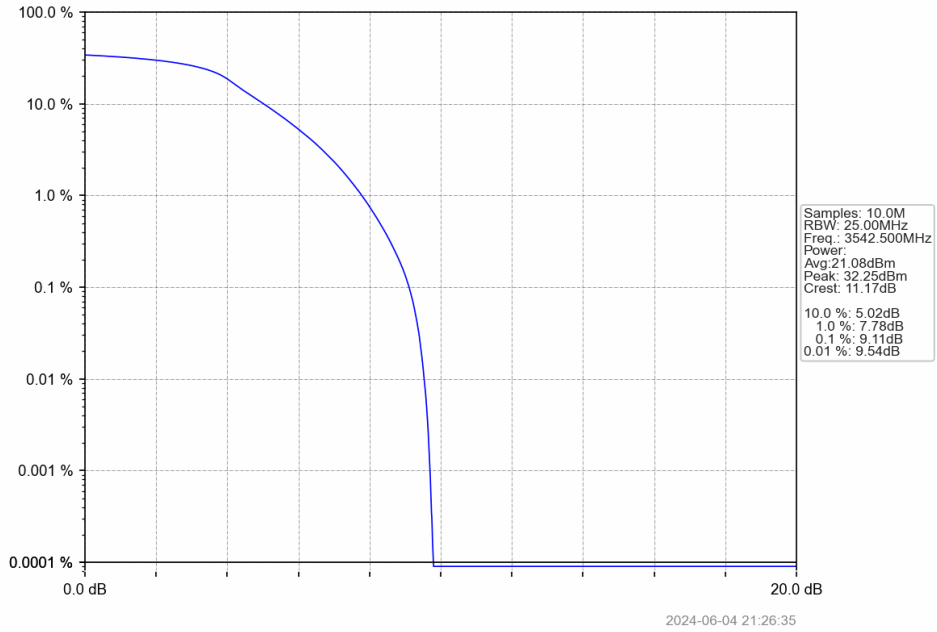
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



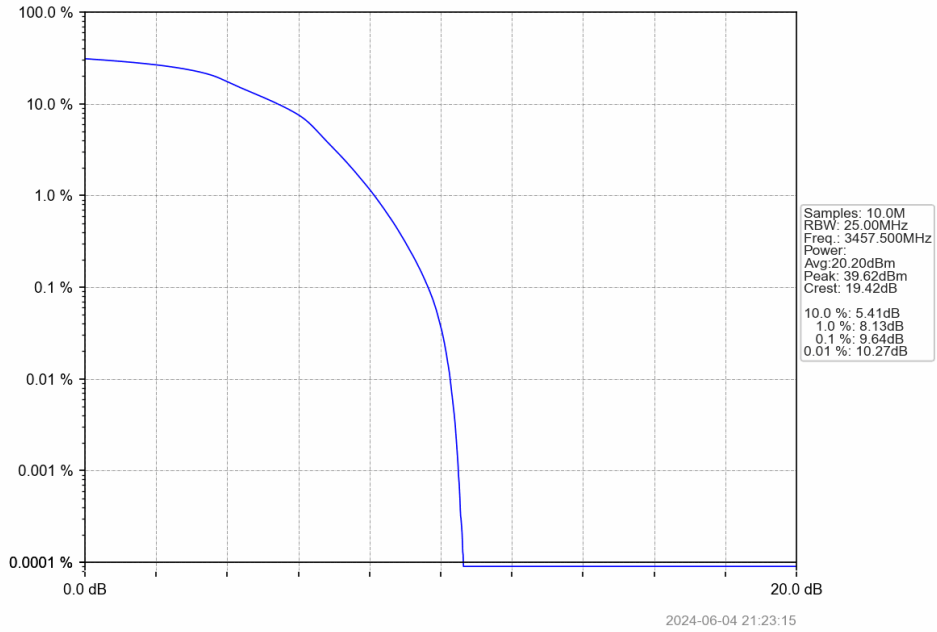
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



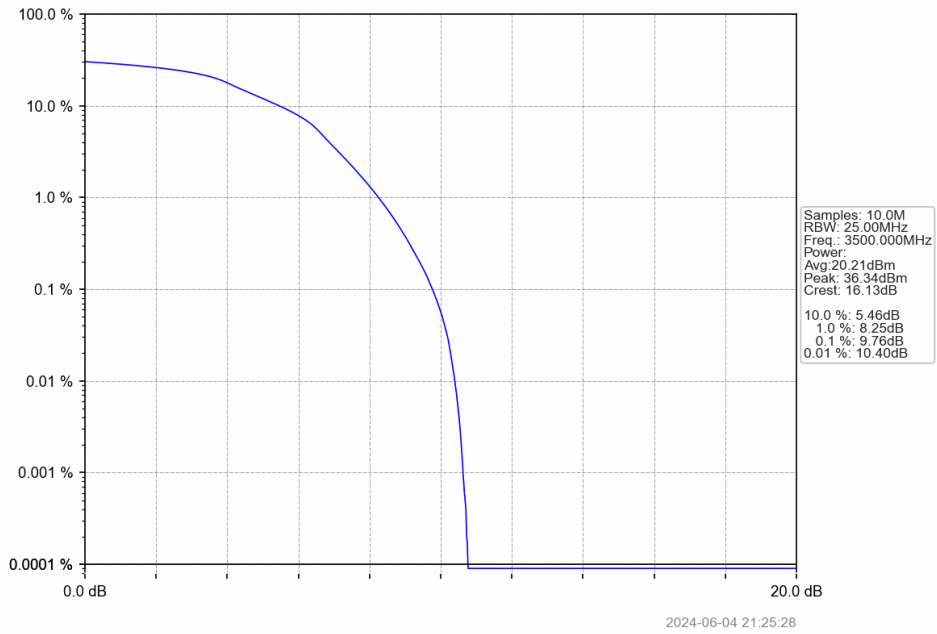
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



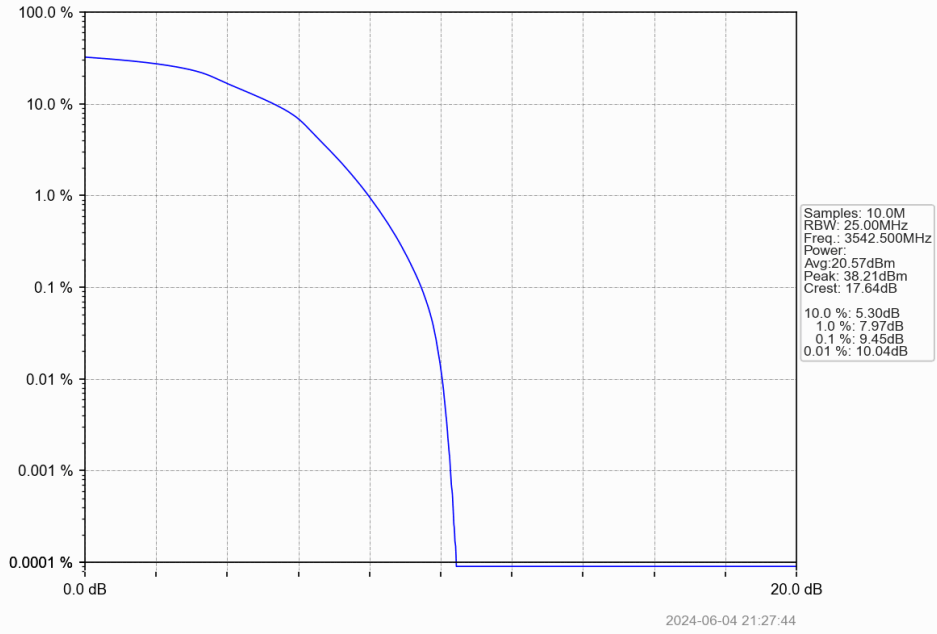
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



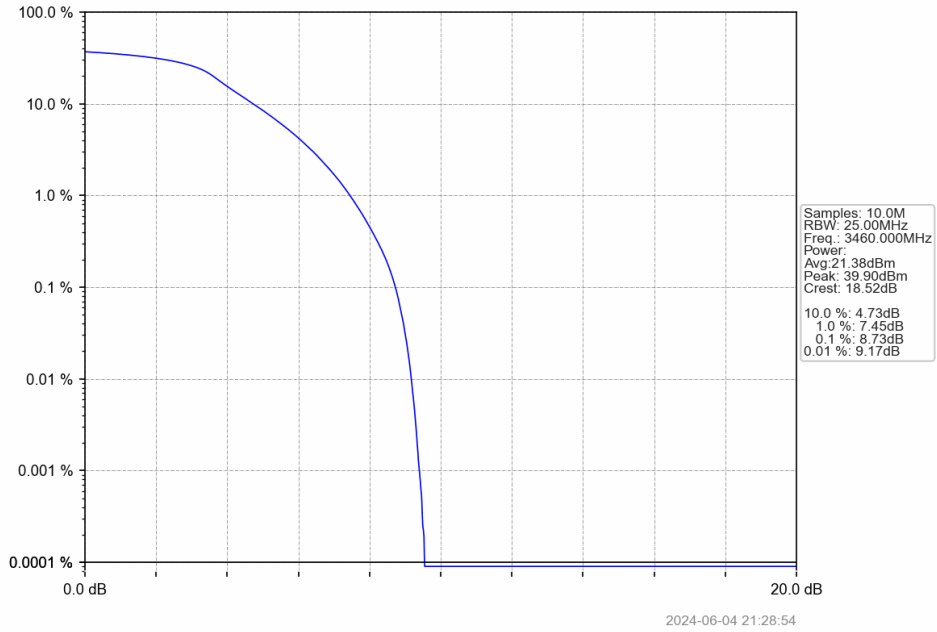
4.4 B42a_20MHz

4.4.1 Test Result

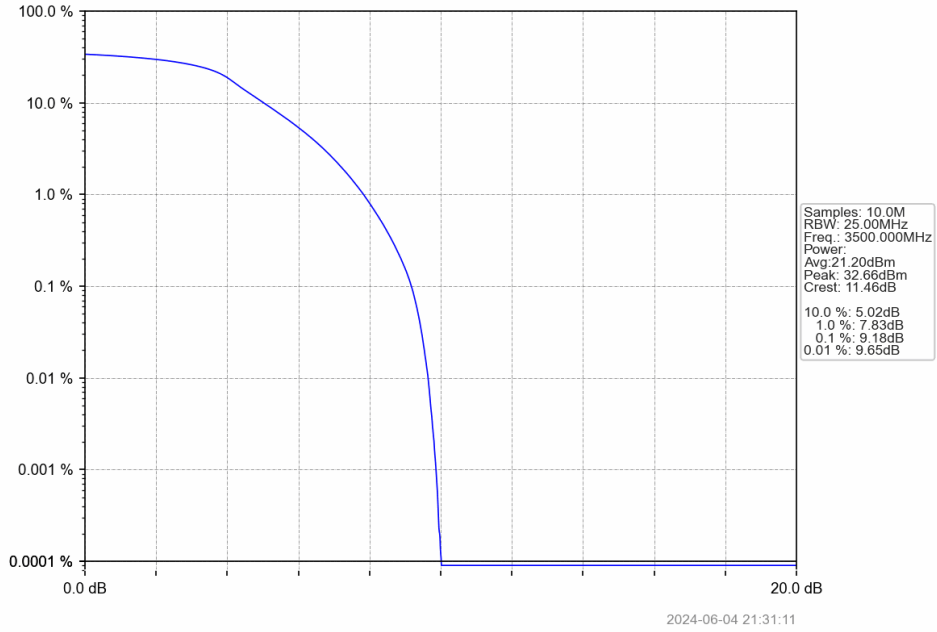
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	100	0	8.73	<=13	Pass
	3500	100	0	9.18	<=13	Pass
	3540	100	0	8.55	<=13	Pass
16QAM	3460	100	0	9.63	<=13	Pass
	3500	100	0	10.00	<=13	Pass
	3540	100	0	9.75	<=13	Pass

4.4.2 Test Graph

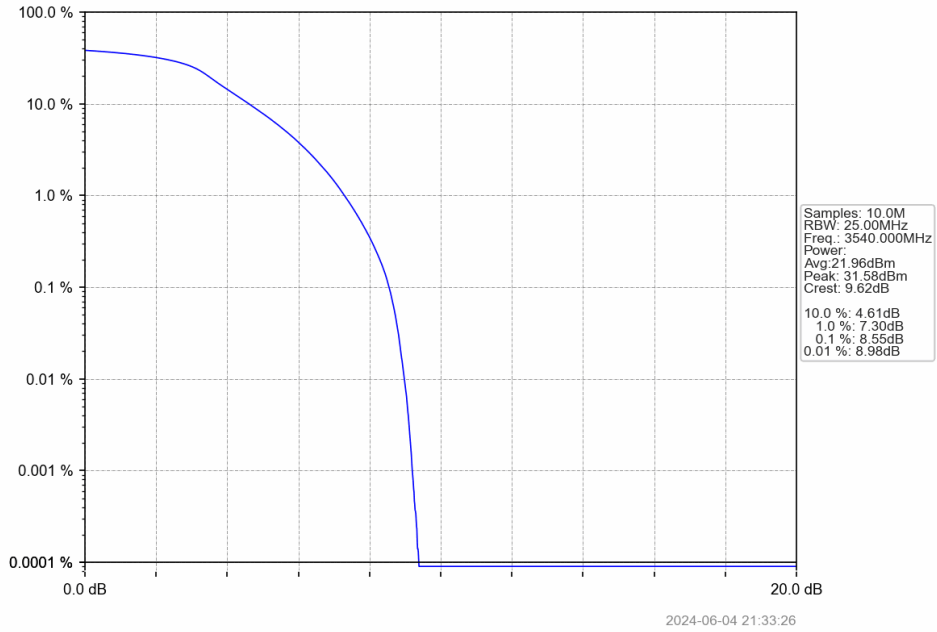
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



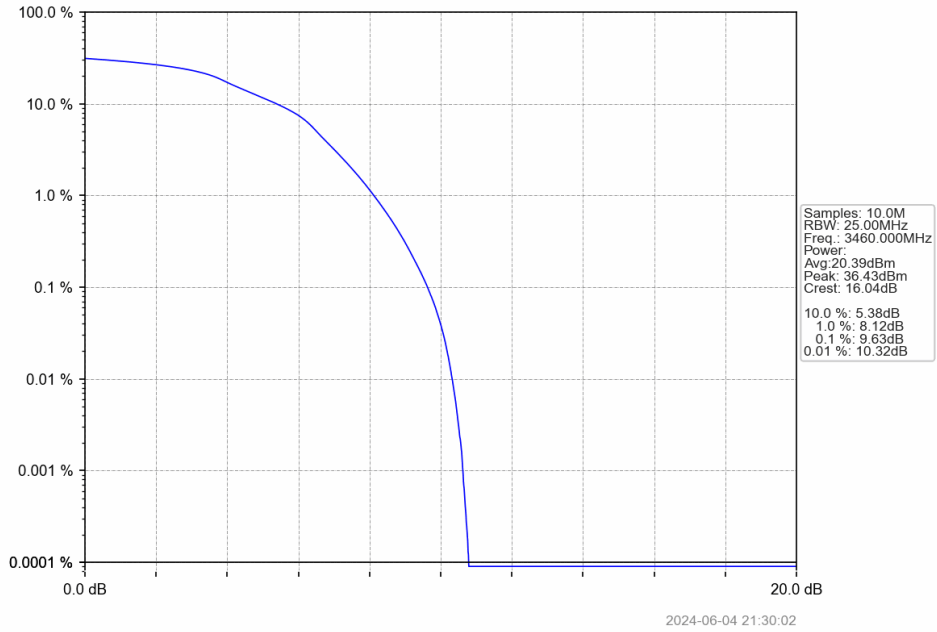
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



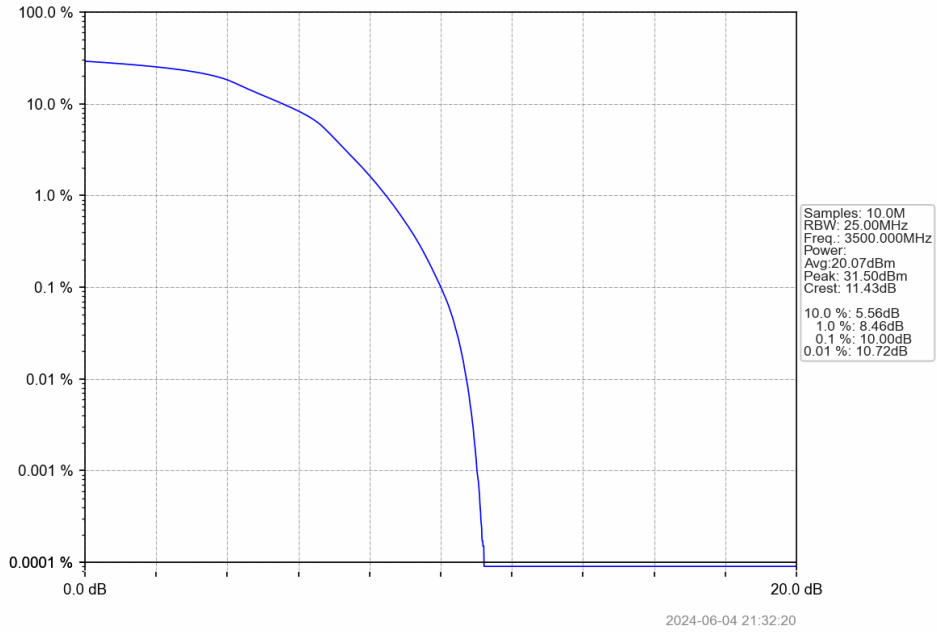
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



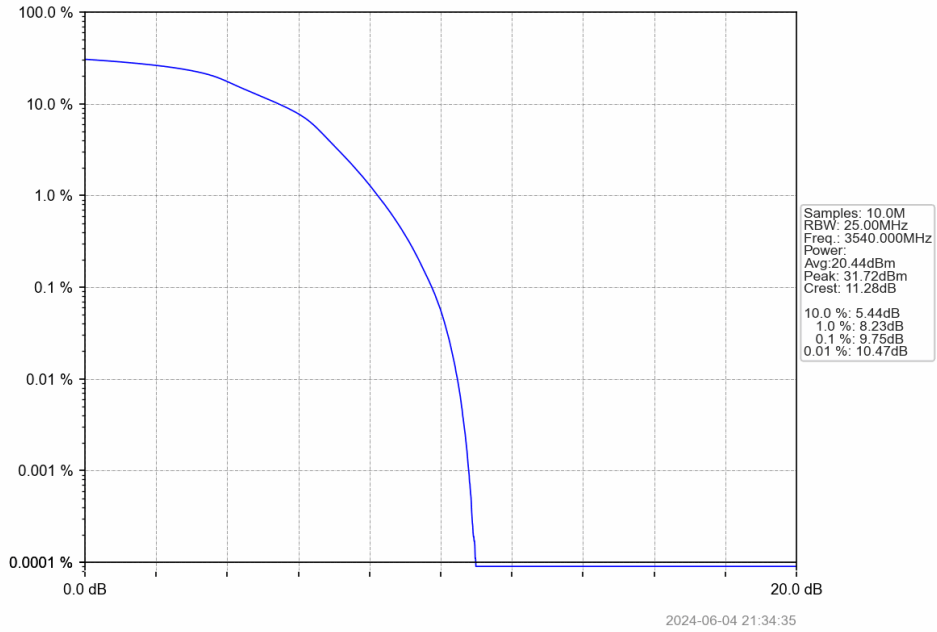
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



5. Spurious Emission

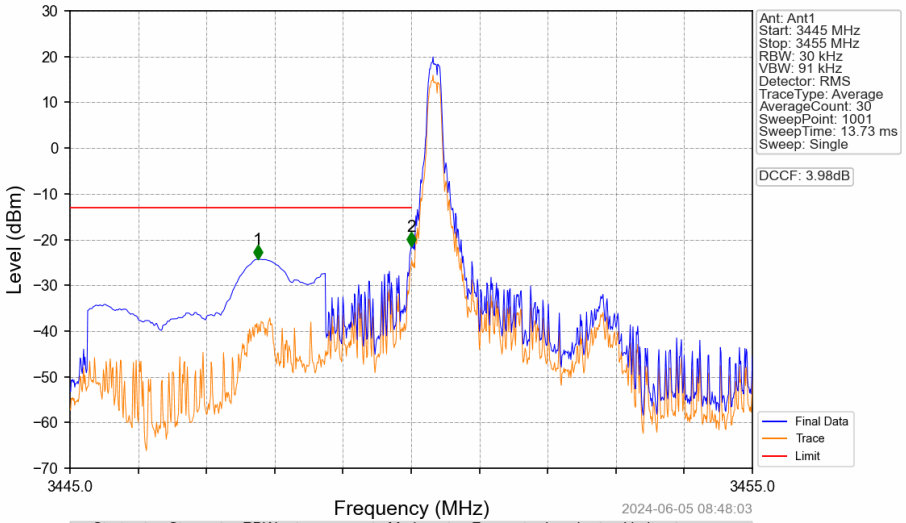
5.1 B42a_5MHz

5.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTNV						
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		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	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		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

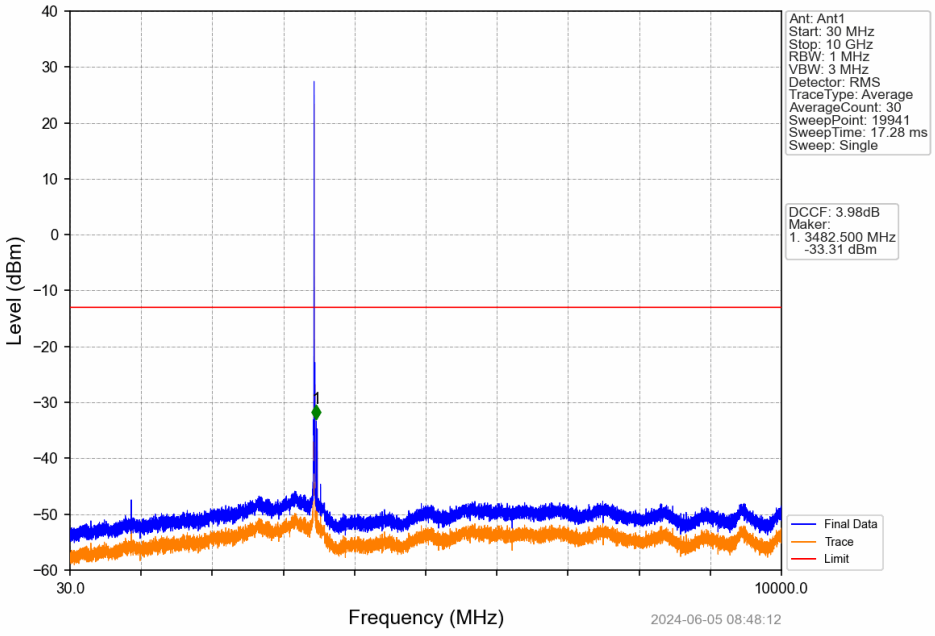
5.1.2 Test Graph

Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV

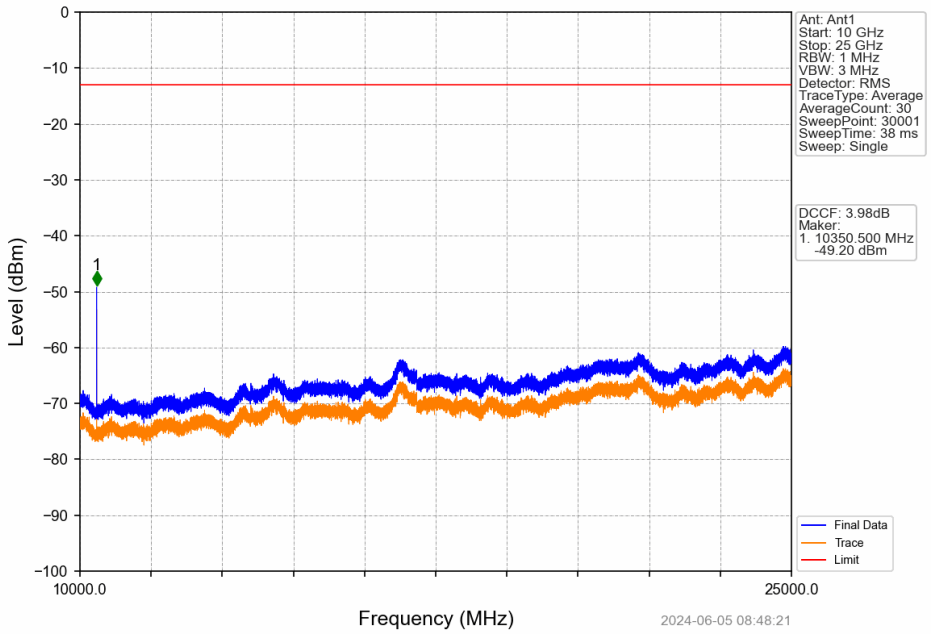


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	CHP	1	3447.750	-24.31	-13	Pass
3449	3450	0.03	/	2	3450.000	-21.49	-13	Pass
3450	3455	0.03	/	/	/	/	/	/

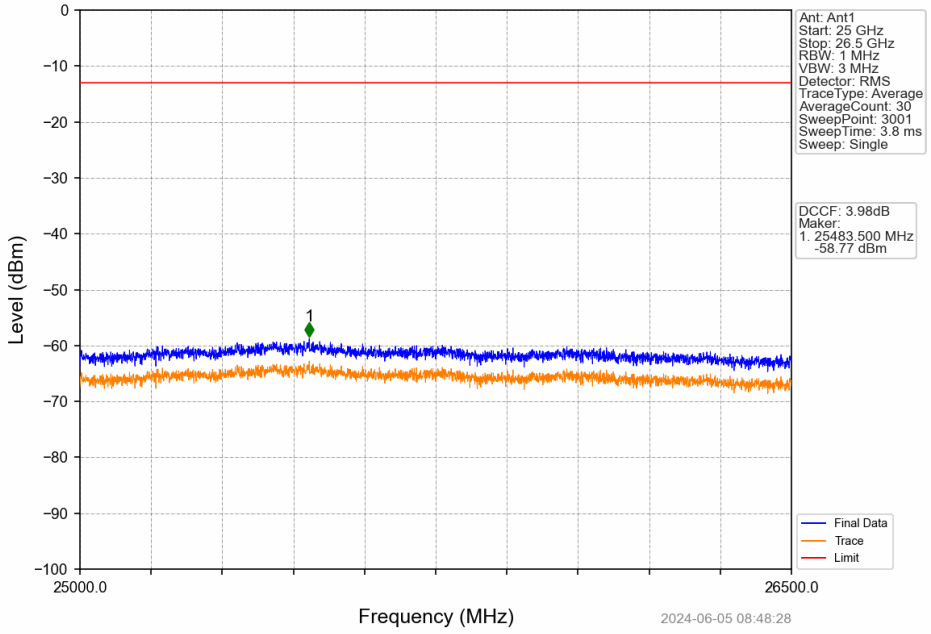
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



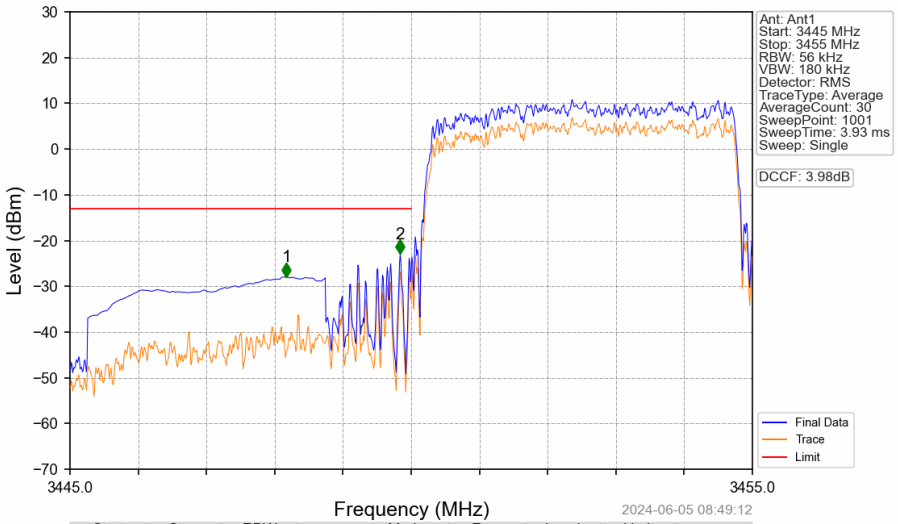
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV

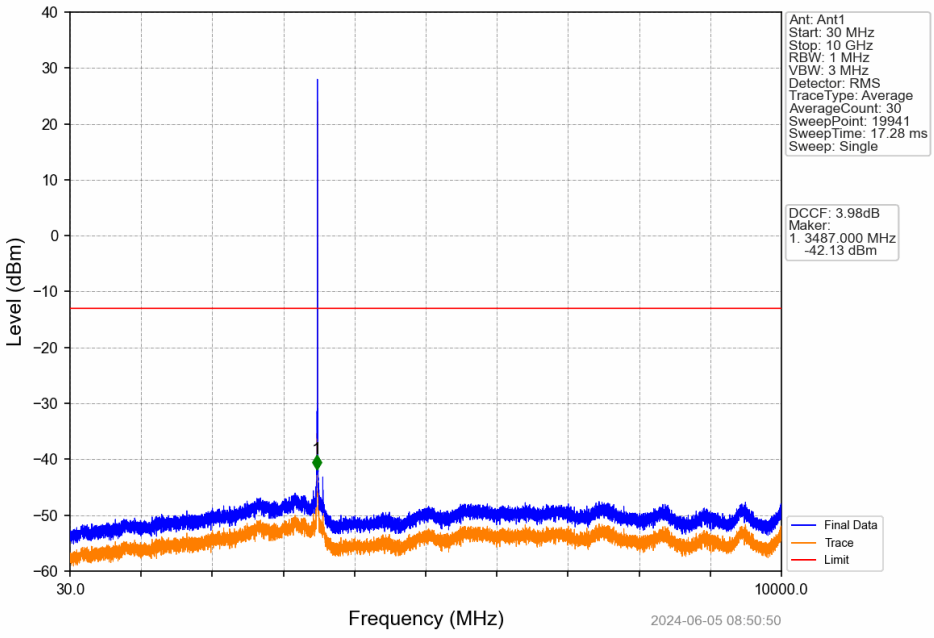


Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV

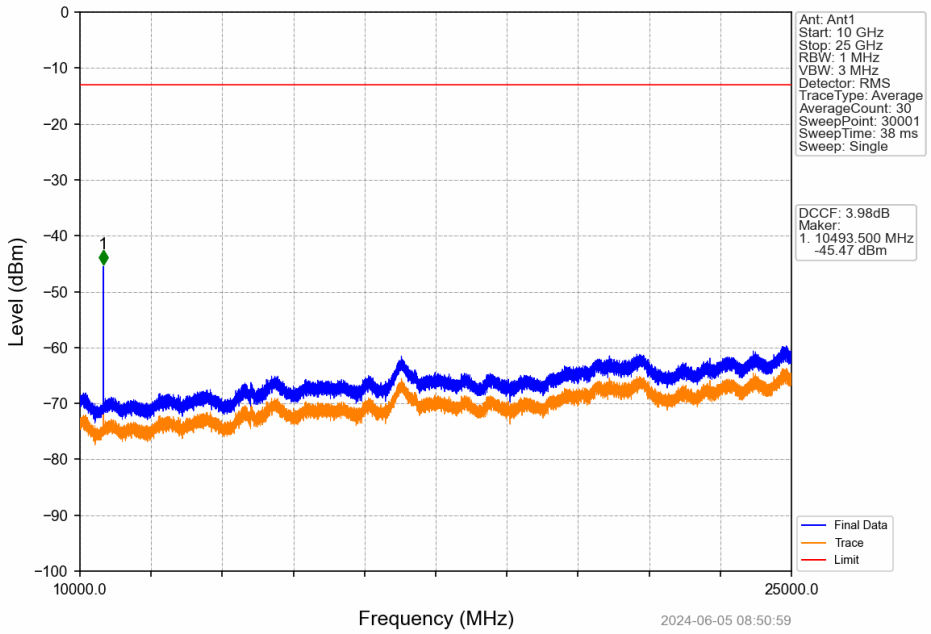


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	CHP	1	3448.170	-27.95	-13	Pass
3449	3450	0.056	/	2	3449.840	-22.90	-13	Pass
3450	3455	0.056	/	/	/	/	/	/

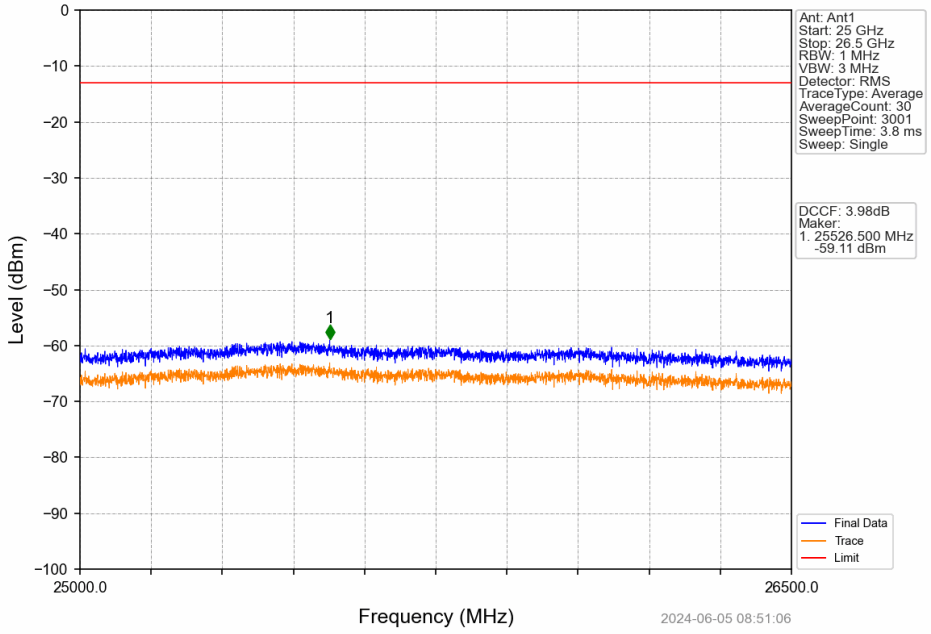
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



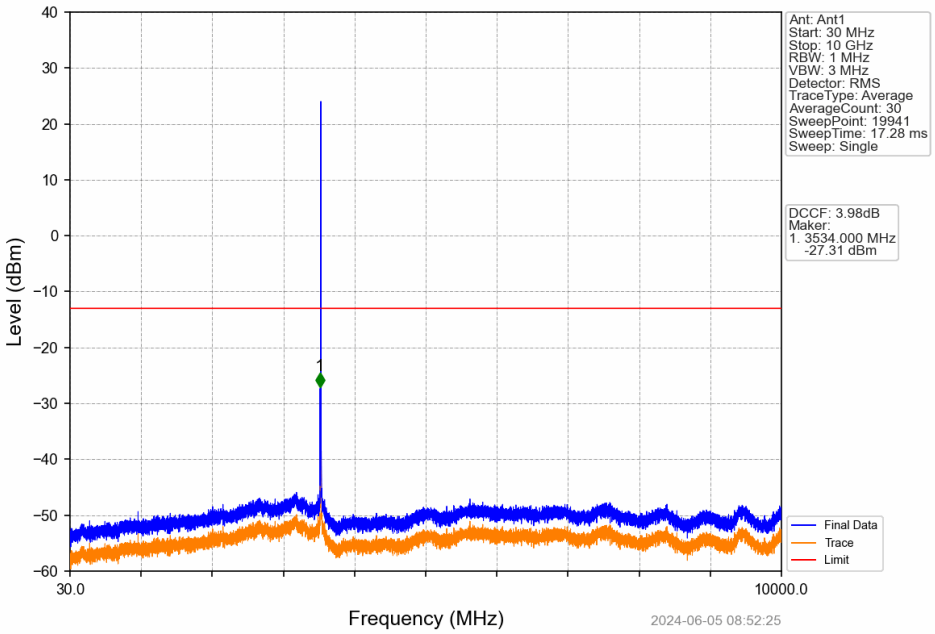
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



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