

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B42a_5MHz_EIRP

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	24.71	-4.13	20.58	<=30	Pass
			13	24.75	-4.13	20.62	<=30	Pass
			24	24.62	-4.13	20.49	<=30	Pass
		12	0	23.86	-4.13	19.73	<=30	Pass
			6	23.88	-4.13	19.75	<=30	Pass
			13	23.80	-4.13	19.67	<=30	Pass
		25	0	23.83	-4.13	19.70	<=30	Pass
	3500	1	0	24.59	-4.13	20.46	<=30	Pass
			13	24.58	-4.13	20.45	<=30	Pass
			24	24.52	-4.13	20.39	<=30	Pass
		12	0	23.48	-4.13	19.35	<=30	Pass
			6	23.50	-4.13	19.37	<=30	Pass
			13	23.42	-4.13	19.29	<=30	Pass
		25	0	23.45	-4.13	19.32	<=30	Pass
	3547.5	1	0	24.40	-4.13	20.27	<=30	Pass
			13	24.37	-4.13	20.24	<=30	Pass
			24	24.41	-4.13	20.28	<=30	Pass
		12	0	23.34	-4.13	19.21	<=30	Pass
			6	23.37	-4.13	19.24	<=30	Pass
			13	23.42	-4.13	19.29	<=30	Pass
		25	0	23.34	-4.13	19.21	<=30	Pass
16QAM	3452.5	1	0	23.86	-4.13	19.73	<=30	Pass
			13	23.80	-4.13	19.67	<=30	Pass
			24	23.77	-4.13	19.64	<=30	Pass
		12	0	22.85	-4.13	18.72	<=30	Pass
			6	22.84	-4.13	18.71	<=30	Pass
			13	22.77	-4.13	18.64	<=30	Pass
		25	0	22.79	-4.13	18.66	<=30	Pass
	3500	1	0	23.45	-4.13	19.32	<=30	Pass
			13	23.51	-4.13	19.38	<=30	Pass
			24	23.48	-4.13	19.35	<=30	Pass
		12	0	22.41	-4.13	18.28	<=30	Pass
			6	22.45	-4.13	18.32	<=30	Pass
			13	22.38	-4.13	18.25	<=30	Pass
		25	0	22.32	-4.13	18.19	<=30	Pass
	3547.5	1	0	23.44	-4.13	19.31	<=30	Pass
			13	23.50	-4.13	19.37	<=30	Pass
			24	23.41	-4.13	19.28	<=30	Pass
		12	0	22.29	-4.13	18.16	<=30	Pass
			6	22.40	-4.13	18.27	<=30	Pass
			13	22.42	-4.13	18.29	<=30	Pass
		25	0	22.28	-4.13	18.15	<=30	Pass
64QAM	3452.5	1	0	23.01	-4.13	18.88	<=30	Pass
			13	22.86	-4.13	18.73	<=30	Pass
			24	22.79	-4.13	18.66	<=30	Pass
		12	0	22.02	-4.13	17.89	<=30	Pass
			6	21.94	-4.13	17.81	<=30	Pass
			13	21.91	-4.13	17.78	<=30	Pass
		25	0	21.89	-4.13	17.76	<=30	Pass
	3500	1	0	22.44	-4.13	18.31	<=30	Pass

			13	22.57	-4.13	18.44	<=30	Pass
			24	22.31	-4.13	18.18	<=30	Pass
		12	0	21.41	-4.13	17.28	<=30	Pass
			6	21.42	-4.13	17.29	<=30	Pass
			13	21.47	-4.13	17.34	<=30	Pass
		25	0	21.38	-4.13	17.25	<=30	Pass
	3547.5	1	0	22.51	-4.13	18.38	<=30	Pass
			13	22.41	-4.13	18.28	<=30	Pass
			24	22.41	-4.13	18.28	<=30	Pass
		12	0	21.30	-4.13	17.17	<=30	Pass
			6	21.35	-4.13	17.22	<=30	Pass
			13	21.38	-4.13	17.25	<=30	Pass
		25	0	21.28	-4.13	17.15	<=30	Pass
	Note1: EIRP=Conducted Power+Antenna Gain							

1.1.2 B42a_10MHz_EIRP

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	24.91	-4.13	20.78	<=30	Pass
			25	24.93	-4.13	20.80	<=30	Pass
			49	24.79	-4.13	20.66	<=30	Pass
		25	0	24.01	-4.13	19.88	<=30	Pass
			13	23.99	-4.13	19.86	<=30	Pass
			25	23.88	-4.13	19.75	<=30	Pass
		50	0	23.95	-4.13	19.82	<=30	Pass
	3500	1	0	24.48	-4.13	20.35	<=30	Pass
			25	24.43	-4.13	20.30	<=30	Pass
			49	24.27	-4.13	20.14	<=30	Pass
		25	0	23.38	-4.13	19.25	<=30	Pass
			13	23.42	-4.13	19.29	<=30	Pass
			25	23.41	-4.13	19.28	<=30	Pass
		50	0	23.37	-4.13	19.24	<=30	Pass
	3545	1	0	24.40	-4.13	20.27	<=30	Pass
			25	24.39	-4.13	20.26	<=30	Pass
			49	24.31	-4.13	20.18	<=30	Pass
		25	0	23.32	-4.13	19.19	<=30	Pass
			13	23.43	-4.13	19.30	<=30	Pass
			25	23.42	-4.13	19.29	<=30	Pass
		50	0	23.38	-4.13	19.25	<=30	Pass
16QAM	3455	1	0	23.95	-4.13	19.82	<=30	Pass
			25	23.87	-4.13	19.74	<=30	Pass
			49	23.65	-4.13	19.52	<=30	Pass
		25	0	23.00	-4.13	18.87	<=30	Pass
			13	22.99	-4.13	18.86	<=30	Pass
			25	22.81	-4.13	18.68	<=30	Pass
		50	0	22.89	-4.13	18.76	<=30	Pass
	3500	1	0	23.33	-4.13	19.20	<=30	Pass
			25	23.44	-4.13	19.31	<=30	Pass
			49	23.40	-4.13	19.27	<=30	Pass
		25	0	22.48	-4.13	18.35	<=30	Pass
			13	22.43	-4.13	18.30	<=30	Pass
			25	22.34	-4.13	18.21	<=30	Pass
		50	0	22.29	-4.13	18.16	<=30	Pass
	3545	1	0	23.37	-4.13	19.24	<=30	Pass
			25	23.34	-4.13	19.21	<=30	Pass
			49	23.29	-4.13	19.16	<=30	Pass
		25	0	22.33	-4.13	18.20	<=30	Pass

		50	13	22.40	-4.13	18.27	<=30	Pass		
			25	22.40	-4.13	18.27	<=30	Pass		
			0	22.39	-4.13	18.26	<=30	Pass		
64QAM	3455	1	0	22.90	-4.13	18.77	<=30	Pass		
			25	22.85	-4.13	18.72	<=30	Pass		
			49	22.65	-4.13	18.52	<=30	Pass		
		25	0	21.98	-4.13	17.85	<=30	Pass		
			13	21.98	-4.13	17.85	<=30	Pass		
			25	21.88	-4.13	17.75	<=30	Pass		
		50	0	21.91	-4.13	17.78	<=30	Pass		
		3500	1	0	22.48	-4.13	18.35	<=30	Pass	
				25	22.35	-4.13	18.22	<=30	Pass	
	49			22.28	-4.13	18.15	<=30	Pass		
	25		0	21.47	-4.13	17.34	<=30	Pass		
			13	21.42	-4.13	17.29	<=30	Pass		
			25	21.38	-4.13	17.25	<=30	Pass		
	50		0	21.38	-4.13	17.25	<=30	Pass		
	3545		1	0	22.43	-4.13	18.30	<=30	Pass	
				25	22.39	-4.13	18.26	<=30	Pass	
		49		22.37	-4.13	18.24	<=30	Pass		
		25	0	21.33	-4.13	17.20	<=30	Pass		
			13	21.41	-4.13	17.28	<=30	Pass		
			25	21.39	-4.13	17.26	<=30	Pass		
		50	0	21.37	-4.13	17.24	<=30	Pass		
		Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B42a_15MHz_EIRP

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	24.85	-4.13	20.72	<=30	Pass
			38	24.72	-4.13	20.59	<=30	Pass
			74	24.62	-4.13	20.49	<=30	Pass
		36	0	23.75	-4.13	19.62	<=30	Pass
			18	23.83	-4.13	19.70	<=30	Pass
			39	23.71	-4.13	19.58	<=30	Pass
		75	0	23.72	-4.13	19.59	<=30	Pass
	3500	1	0	24.39	-4.13	20.26	<=30	Pass
			38	24.30	-4.13	20.17	<=30	Pass
			74	24.17	-4.13	20.04	<=30	Pass
		36	0	23.36	-4.13	19.23	<=30	Pass
			18	23.28	-4.13	19.15	<=30	Pass
			39	23.27	-4.13	19.14	<=30	Pass
		75	0	23.24	-4.13	19.11	<=30	Pass
	3542.5	1	0	24.23	-4.13	20.10	<=30	Pass
			38	24.36	-4.13	20.23	<=30	Pass
			74	24.24	-4.13	20.11	<=30	Pass
		36	0	23.26	-4.13	19.13	<=30	Pass
			18	23.32	-4.13	19.19	<=30	Pass
			39	23.36	-4.13	19.23	<=30	Pass
		75	0	23.29	-4.13	19.16	<=30	Pass
16QAM	3457.5	1	0	23.81	-4.13	19.68	<=30	Pass
			38	23.74	-4.13	19.61	<=30	Pass
			74	23.55	-4.13	19.42	<=30	Pass
		36	0	22.74	-4.13	18.61	<=30	Pass
			18	22.81	-4.13	18.68	<=30	Pass
			39	22.63	-4.13	18.50	<=30	Pass
		75	0	22.75	-4.13	18.62	<=30	Pass

	3500	1	0	23.35	-4.13	19.22	<=30	Pass
			38	23.32	-4.13	19.19	<=30	Pass
			74	23.11	-4.13	18.98	<=30	Pass
		36	0	22.31	-4.13	18.18	<=30	Pass
			18	22.28	-4.13	18.15	<=30	Pass
			39	22.29	-4.13	18.16	<=30	Pass
		75	0	22.29	-4.13	18.16	<=30	Pass
	3542.5	1	0	23.26	-4.13	19.13	<=30	Pass
			38	23.30	-4.13	19.17	<=30	Pass
			74	23.15	-4.13	19.02	<=30	Pass
		36	0	22.26	-4.13	18.13	<=30	Pass
			18	22.33	-4.13	18.20	<=30	Pass
			39	22.36	-4.13	18.23	<=30	Pass
		75	0	22.22	-4.13	18.09	<=30	Pass
64QAM	3457.5	1	0	22.78	-4.13	18.65	<=30	Pass
			38	22.76	-4.13	18.63	<=30	Pass
			74	22.65	-4.13	18.52	<=30	Pass
		36	0	21.73	-4.13	17.60	<=30	Pass
			18	21.78	-4.13	17.65	<=30	Pass
			39	21.69	-4.13	17.56	<=30	Pass
		75	0	21.73	-4.13	17.60	<=30	Pass
	3500	1	0	22.41	-4.13	18.28	<=30	Pass
			38	22.26	-4.13	18.13	<=30	Pass
			74	22.20	-4.13	18.07	<=30	Pass
		36	0	21.36	-4.13	17.23	<=30	Pass
			18	21.31	-4.13	17.18	<=30	Pass
			39	21.33	-4.13	17.20	<=30	Pass
		75	0	21.29	-4.13	17.16	<=30	Pass
	3542.5	1	0	22.32	-4.13	18.19	<=30	Pass
			38	22.30	-4.13	18.17	<=30	Pass
			74	22.30	-4.13	18.17	<=30	Pass
		36	0	21.28	-4.13	17.15	<=30	Pass
			18	21.27	-4.13	17.14	<=30	Pass
			39	21.34	-4.13	17.21	<=30	Pass
		75	0	21.25	-4.13	17.12	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B42a_20MHz_EIRP

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	24.88	-4.13	20.75	<=30	Pass
			50	24.73	-4.13	20.60	<=30	Pass
			99	24.45	-4.13	20.32	<=30	Pass
		50	0	23.75	-4.13	19.62	<=30	Pass
			25	23.71	-4.13	19.58	<=30	Pass
			50	23.60	-4.13	19.47	<=30	Pass
		100	0	23.67	-4.13	19.54	<=30	Pass
	3500	1	0	24.40	-4.13	20.27	<=30	Pass
			50	24.36	-4.13	20.23	<=30	Pass
			99	24.18	-4.13	20.05	<=30	Pass
		50	0	23.31	-4.13	19.18	<=30	Pass
			25	23.33	-4.13	19.20	<=30	Pass
			50	23.23	-4.13	19.10	<=30	Pass
		100	0	23.21	-4.13	19.08	<=30	Pass
	3540	1	0	24.20	-4.13	20.07	<=30	Pass
			50	24.28	-4.13	20.15	<=30	Pass
			99	24.25	-4.13	20.12	<=30	Pass

		50	0	23.20	-4.13	19.07	<=30	Pass		
			25	23.38	-4.13	19.25	<=30	Pass		
			50	23.32	-4.13	19.19	<=30	Pass		
		100	0	23.33	-4.13	19.20	<=30	Pass		
16QAM	3460	1	0	23.78	-4.13	19.65	<=30	Pass		
			50	23.84	-4.13	19.71	<=30	Pass		
			99	23.40	-4.13	19.27	<=30	Pass		
		50	0	22.74	-4.13	18.61	<=30	Pass		
			25	22.78	-4.13	18.65	<=30	Pass		
			50	22.60	-4.13	18.47	<=30	Pass		
		100	0	22.70	-4.13	18.57	<=30	Pass		
		3500	1	0	23.27	-4.13	19.14	<=30	Pass	
				50	23.27	-4.13	19.14	<=30	Pass	
	99			23.04	-4.13	18.91	<=30	Pass		
	50		0	22.33	-4.13	18.20	<=30	Pass		
			25	22.23	-4.13	18.10	<=30	Pass		
			50	22.30	-4.13	18.17	<=30	Pass		
	100		0	22.27	-4.13	18.14	<=30	Pass		
	3540		1	0	23.45	-4.13	19.32	<=30	Pass	
				50	23.49	-4.13	19.36	<=30	Pass	
		99		23.39	-4.13	19.26	<=30	Pass		
		50	0	22.26	-4.13	18.13	<=30	Pass		
			25	22.40	-4.13	18.27	<=30	Pass		
			50	22.37	-4.13	18.24	<=30	Pass		
		100	0	22.32	-4.13	18.19	<=30	Pass		
		64QAM	3460	1	0	22.83	-4.13	18.70	<=30	Pass
					50	22.70	-4.13	18.57	<=30	Pass
	99				22.46	-4.13	18.33	<=30	Pass	
50	0			21.76	-4.13	17.63	<=30	Pass		
	25			21.71	-4.13	17.58	<=30	Pass		
	50			21.57	-4.13	17.44	<=30	Pass		
100	0			21.71	-4.13	17.58	<=30	Pass		
3500	1			0	22.32	-4.13	18.19	<=30	Pass	
				50	22.38	-4.13	18.25	<=30	Pass	
			99	22.17	-4.13	18.04	<=30	Pass		
	50		0	21.32	-4.13	17.19	<=30	Pass		
			25	21.25	-4.13	17.12	<=30	Pass		
			50	21.25	-4.13	17.12	<=30	Pass		
	100		0	21.20	-4.13	17.07	<=30	Pass		
	3540		1	0	22.24	-4.13	18.11	<=30	Pass	
				50	22.22	-4.13	18.09	<=30	Pass	
99				22.27	-4.13	18.14	<=30	Pass		
50			0	21.21	-4.13	17.08	<=30	Pass		
			25	21.36	-4.13	17.23	<=30	Pass		
			50	21.35	-4.13	17.22	<=30	Pass		
100			0	21.31	-4.13	17.18	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 B42a_20MHz

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	3.3	-0.600	-0.0002	/	Pass
					3.8	0.000	0.0000	/	Pass
					4.4	-1.100	-0.0003	/	Pass
				-30	3.8	-2.000	-0.0006	/	Pass
				-20	3.8	-4.100	-0.0012	/	Pass
				-10	3.8	-0.600	-0.0002	/	Pass
				0	3.8	-3.700	-0.0011	/	Pass
				10	3.8	-4.900	-0.0014	/	Pass
				30	3.8	0.700	0.0002	/	Pass
				40	3.8	-1.100	-0.0003	/	Pass
				50	3.8	0.300	0.0001	/	Pass
	3500	100	0	20	3.3	-3.800	-0.0011	/	Pass
					3.8	1.400	0.0004	/	Pass
					4.4	-0.800	-0.0002	/	Pass
				-30	3.8	-0.900	-0.0003	/	Pass
				-20	3.8	-1.300	-0.0004	/	Pass
				-10	3.8	1.100	0.0003	/	Pass
				0	3.8	-1.700	-0.0005	/	Pass
				10	3.8	2.300	0.0007	/	Pass
				30	3.8	-2.800	-0.0008	/	Pass
				40	3.8	1.400	0.0004	/	Pass
				50	3.8	-1.900	-0.0005	/	Pass
	3540	100	0	20	3.3	-4.600	-0.0013	/	Pass
					3.8	-0.500	-0.0001	/	Pass
					4.4	1.200	0.0003	/	Pass
				-30	3.8	-2.400	-0.0007	/	Pass
				-20	3.8	-2.000	-0.0006	/	Pass
				-10	3.8	0.500	0.0001	/	Pass
				0	3.8	-2.700	-0.0008	/	Pass
				10	3.8	0.000	0.0000	/	Pass
				30	3.8	-2.400	-0.0007	/	Pass
				40	3.8	1.200	0.0003	/	Pass
				50	3.8	0.900	0.0003	/	Pass
16QAM	3460	100	0	20	3.3	3.900	0.0011	/	Pass
					3.8	-1.600	-0.0005	/	Pass
					4.4	-3.600	-0.0010	/	Pass
				-30	3.8	1.100	0.0003	/	Pass
				-20	3.8	-5.100	-0.0015	/	Pass
				-10	3.8	-5.900	-0.0017	/	Pass
				0	3.8	-4.800	-0.0014	/	Pass
				10	3.8	0.400	0.0001	/	Pass
				30	3.8	-1.200	-0.0003	/	Pass
				40	3.8	-4.900	-0.0014	/	Pass
				50	3.8	-1.100	-0.0003	/	Pass
	3500	100	0	20	3.3	-2.100	-0.0006	/	Pass
					3.8	0.100	0.0000	/	Pass
					4.4	1.400	0.0004	/	Pass
				-30	3.8	0.900	0.0003	/	Pass

				-20	3.8	-2.000	-0.0006	/	Pass
				-10	3.8	1.200	0.0003	/	Pass
				0	3.8	-4.100	-0.0012	/	Pass
				10	3.8	1.100	0.0003	/	Pass
				30	3.8	0.800	0.0002	/	Pass
				40	3.8	3.000	0.0009	/	Pass
				50	3.8	-2.700	-0.0008	/	Pass
	3540	100	0	20	3.3	-2.100	-0.0006	/	Pass
					3.8	1.600	0.0005	/	Pass
					4.4	-0.300	-0.0001	/	Pass
				-30	3.8	2.500	0.0007	/	Pass
				-20	3.8	2.000	0.0006	/	Pass
				-10	3.8	-2.100	-0.0006	/	Pass
				0	3.8	0.400	0.0001	/	Pass
				10	3.8	0.700	0.0002	/	Pass
				30	3.8	2.800	0.0008	/	Pass
				40	3.8	-3.700	-0.0010	/	Pass
				50	3.8	-2.000	-0.0006	/	Pass
64QAM	3460	100	0	20	3.3	-9.700	-0.0028	/	Pass
					3.8	-10.200	-0.0029	/	Pass
					4.4	-9.400	-0.0027	/	Pass
				-30	3.8	-11.300	-0.0033	/	Pass
				-20	3.8	-8.500	-0.0025	/	Pass
				-10	3.8	-8.900	-0.0026	/	Pass
				0	3.8	-13.700	-0.0040	/	Pass
				10	3.8	-10.800	-0.0031	/	Pass
				30	3.8	-4.400	-0.0013	/	Pass
				40	3.8	-8.500	-0.0025	/	Pass
				50	3.8	-10.800	-0.0031	/	Pass
	3500	100	0	20	3.3	-4.800	-0.0014	/	Pass
					3.8	0.000	0.0000	/	Pass
					4.4	-1.700	-0.0005	/	Pass
				-30	3.8	-5.600	-0.0016	/	Pass
				-20	3.8	0.100	0.0000	/	Pass
				-10	3.8	-11.400	-0.0033	/	Pass
				0	3.8	6.200	0.0018	/	Pass
				10	3.8	-5.100	-0.0015	/	Pass
				30	3.8	-7.700	-0.0022	/	Pass
				40	3.8	-5.100	-0.0015	/	Pass
				50	3.8	-1.000	-0.0003	/	Pass
	3540	100	0	20	3.3	-10.400	-0.0029	/	Pass
					3.8	-7.300	-0.0021	/	Pass
					4.4	-4.200	-0.0012	/	Pass
				-30	3.8	-2.200	-0.0006	/	Pass
				-20	3.8	-7.800	-0.0022	/	Pass
				-10	3.8	-11.000	-0.0031	/	Pass
				0	3.8	-8.000	-0.0023	/	Pass
				10	3.8	-12.600	-0.0036	/	Pass
				30	3.8	-6.100	-0.0017	/	Pass
				40	3.8	-10.400	-0.0029	/	Pass
				50	3.8	-17.300	-0.0049	/	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band42a_OBW

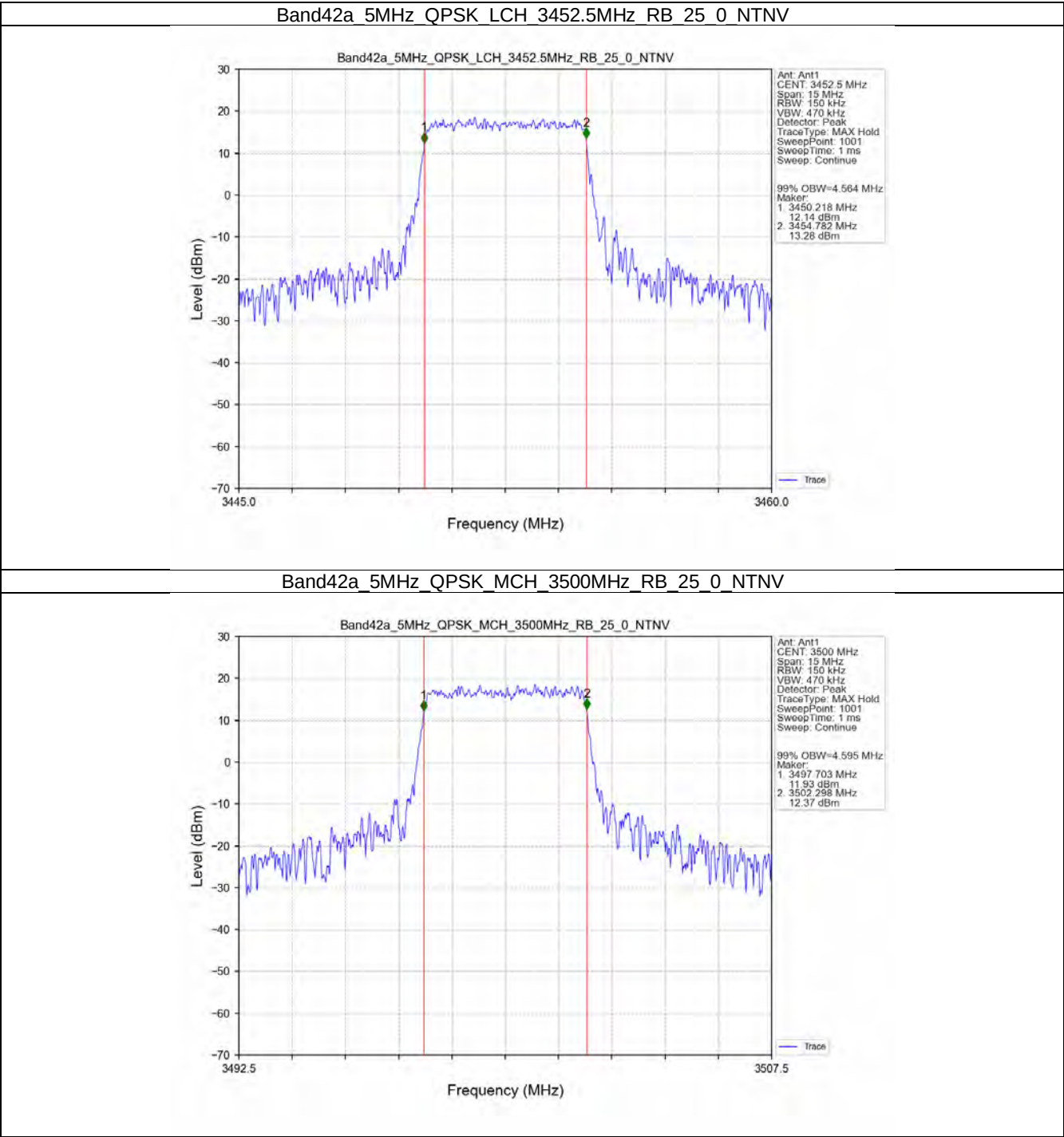
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	4.564	/	Pass
		3500	25	0	4.595	/	Pass
		3547.5	25	0	4.559	/	Pass
	16QAM	3452.5	25	0	4.570	/	Pass
		3500	25	0	4.581	/	Pass
		3547.5	25	0	4.555	/	Pass
	64QAM	3452.5	25	0	4.543	/	Pass
		3500	25	0	4.560	/	Pass
		3547.5	25	0	4.551	/	Pass
10	QPSK	3455	50	0	9.100	/	Pass
		3500	50	0	9.103	/	Pass
		3545	50	0	9.107	/	Pass
	16QAM	3455	50	0	9.106	/	Pass
		3500	50	0	9.105	/	Pass
		3545	50	0	9.092	/	Pass
	64QAM	3455	50	0	9.078	/	Pass
		3500	50	0	9.091	/	Pass
		3545	50	0	9.113	/	Pass
15	QPSK	3457.5	75	0	13.634	/	Pass
		3500	75	0	13.614	/	Pass
		3542.5	75	0	13.605	/	Pass
	16QAM	3457.5	75	0	13.622	/	Pass
		3500	75	0	13.617	/	Pass
		3542.5	75	0	13.629	/	Pass
	64QAM	3457.5	75	0	13.617	/	Pass
		3500	75	0	13.634	/	Pass
		3542.5	75	0	13.621	/	Pass
20	QPSK	3460	100	0	18.161	/	Pass
		3500	100	0	18.112	/	Pass
		3540	100	0	18.114	/	Pass
	16QAM	3460	100	0	18.164	/	Pass
		3500	100	0	18.128	/	Pass
		3540	100	0	18.123	/	Pass
	64QAM	3460	100	0	18.101	/	Pass
		3500	100	0	18.124	/	Pass
		3540	100	0	18.163	/	Pass

3.1.2 Band42a_XDB

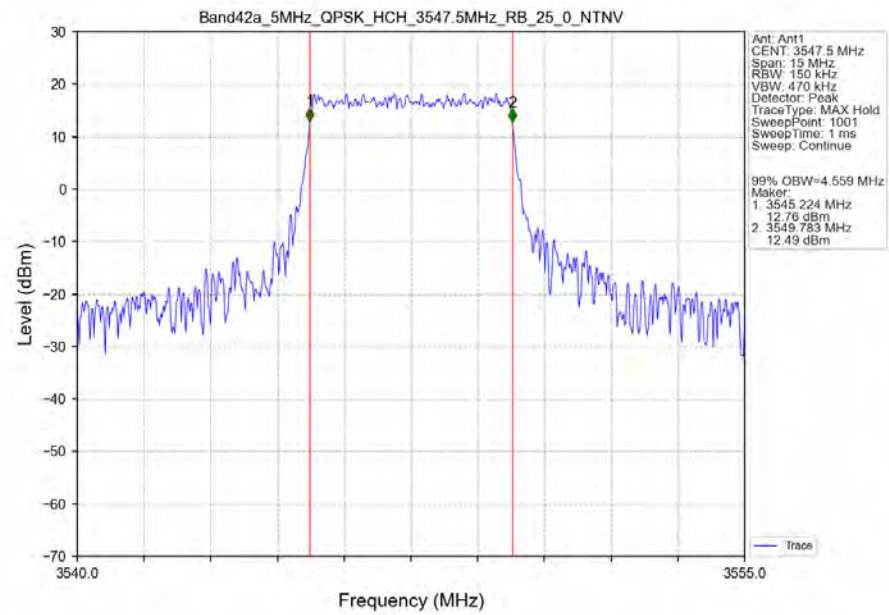
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	5.536	/	Pass
		3500	25	0	5.355	/	Pass
		3547.5	25	0	5.598	/	Pass
	16QAM	3452.5	25	0	5.339	/	Pass
		3500	25	0	5.501	/	Pass
		3547.5	25	0	5.783	/	Pass
	64QAM	3452.5	25	0	6.006	/	Pass
		3500	25	0	5.331	/	Pass
		3547.5	25	0	5.344	/	Pass
10	QPSK	3455	50	0	11.047	/	Pass
		3500	50	0	10.280	/	Pass
		3545	50	0	10.959	/	Pass
	16QAM	3455	50	0	11.526	/	Pass
		3500	50	0	11.349	/	Pass
		3545	50	0	11.209	/	Pass
	64QAM	3455	50	0	11.297	/	Pass
		3500	50	0	10.317	/	Pass
		3545	50	0	11.142	/	Pass
15	QPSK	3457.5	75	0	15.795	/	Pass
		3500	75	0	17.109	/	Pass
		3542.5	75	0	15.777	/	Pass
	16QAM	3457.5	75	0	17.120	/	Pass
		3500	75	0	16.238	/	Pass
		3542.5	75	0	15.505	/	Pass
	64QAM	3457.5	75	0	15.458	/	Pass
		3500	75	0	15.392	/	Pass
		3542.5	75	0	16.081	/	Pass
20	QPSK	3460	100	0	20.830	/	Pass
		3500	100	0	23.113	/	Pass
		3540	100	0	19.899	/	Pass
	16QAM	3460	100	0	20.100	/	Pass
		3500	100	0	20.794	/	Pass
		3540	100	0	20.239	/	Pass
	64QAM	3460	100	0	20.356	/	Pass
		3500	100	0	20.054	/	Pass
		3540	100	0	21.639	/	Pass

3.2 Test Graph

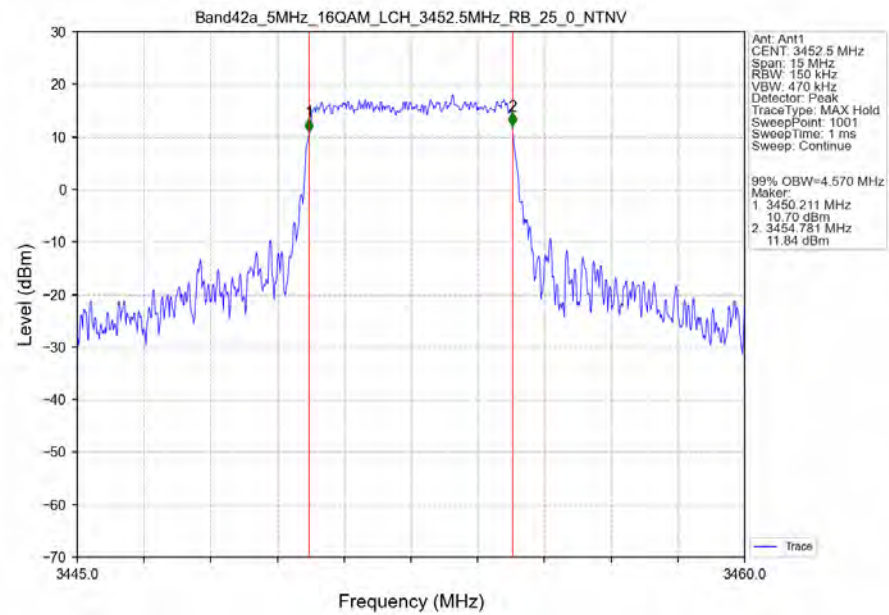
3.2.1 Band42a_OBW



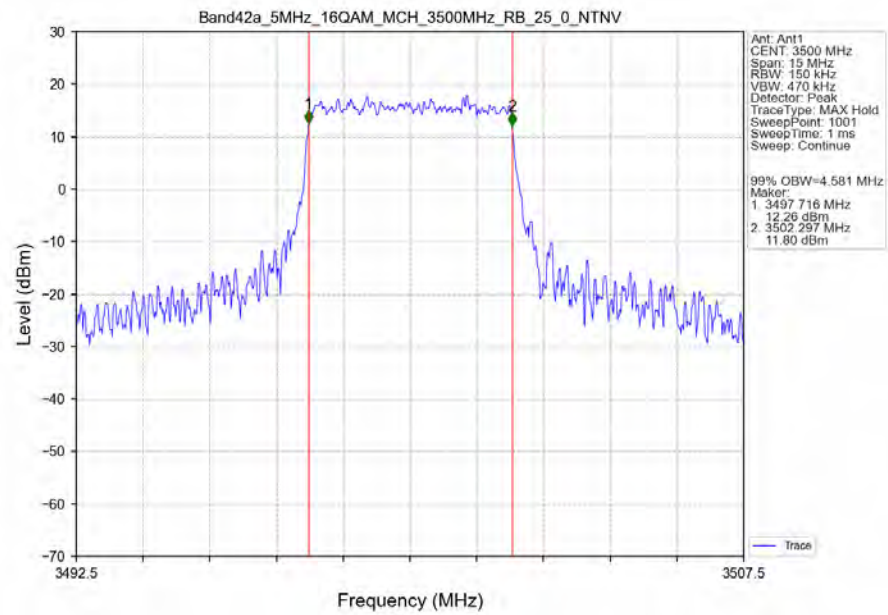
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



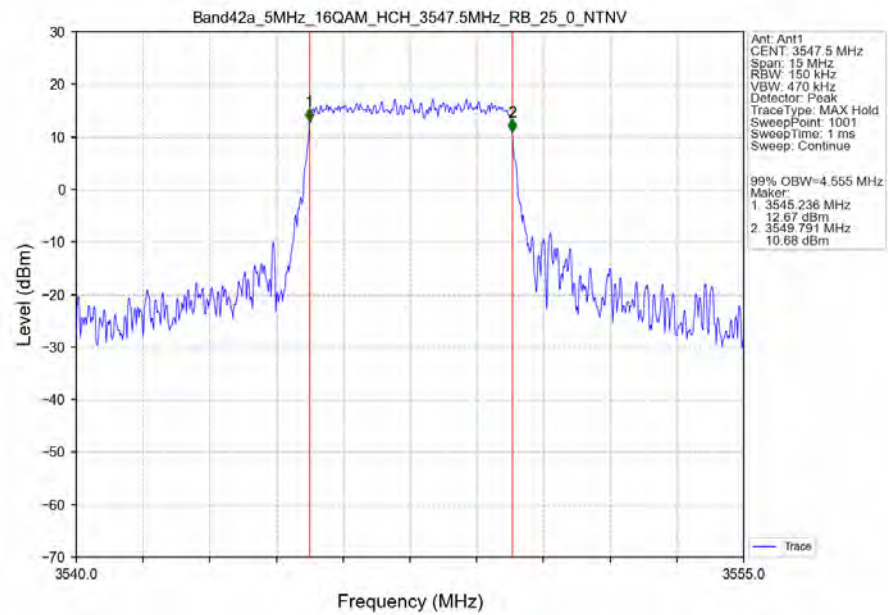
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



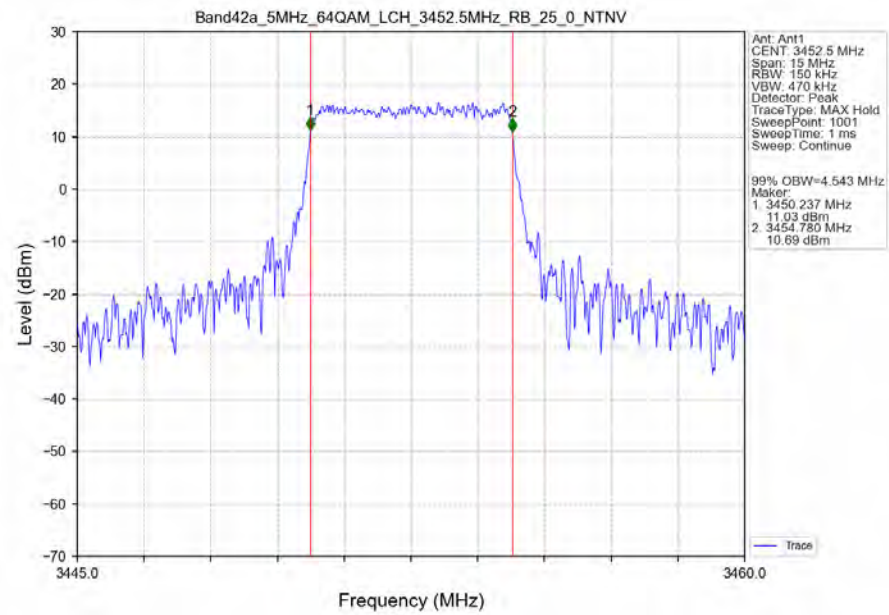
Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



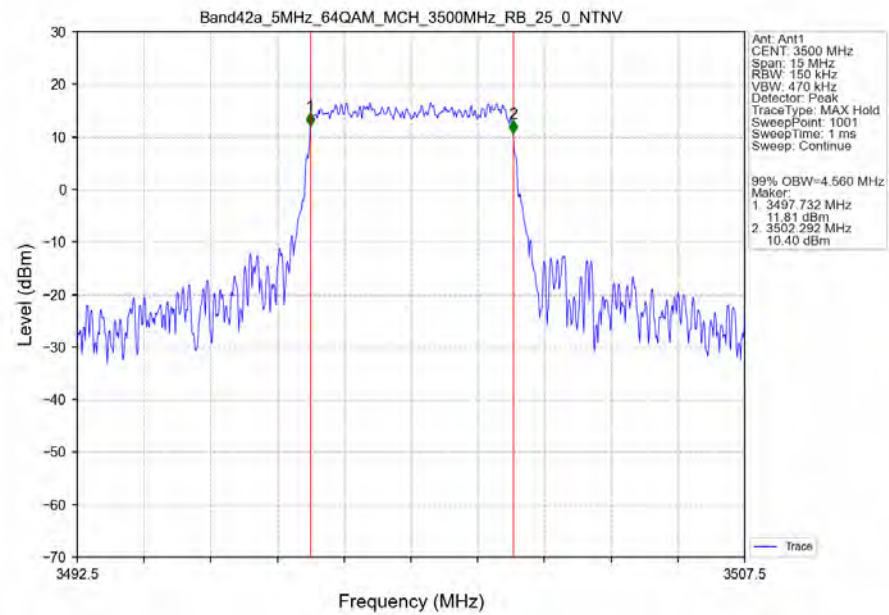
Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



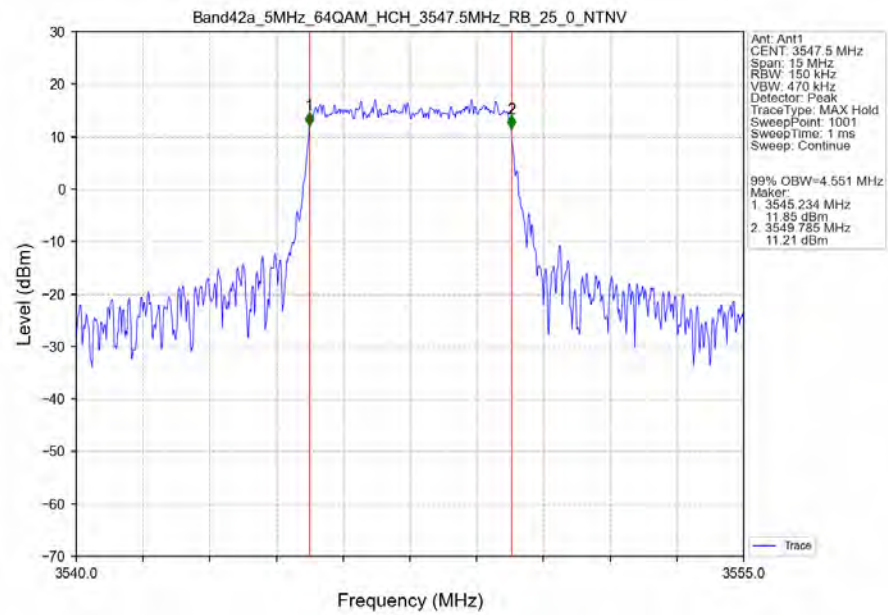
Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV



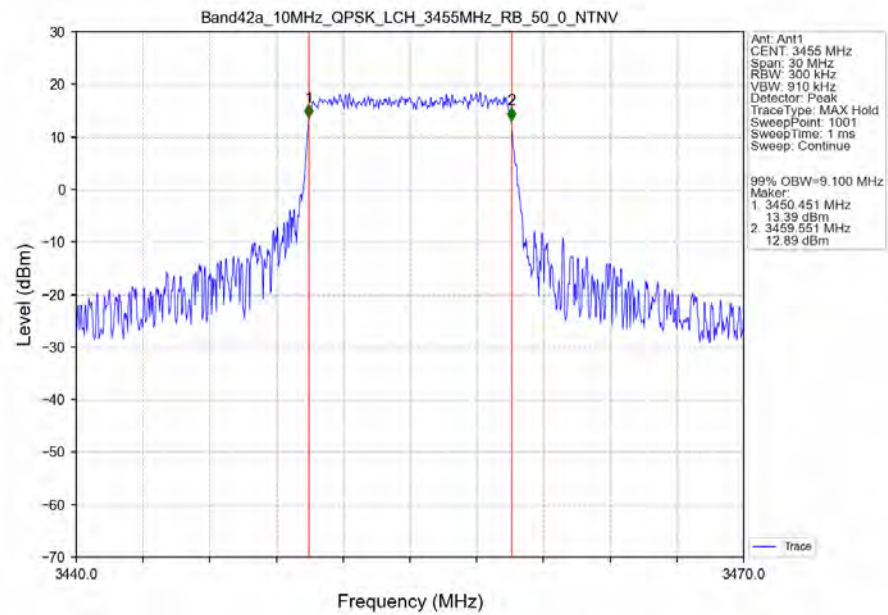
Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



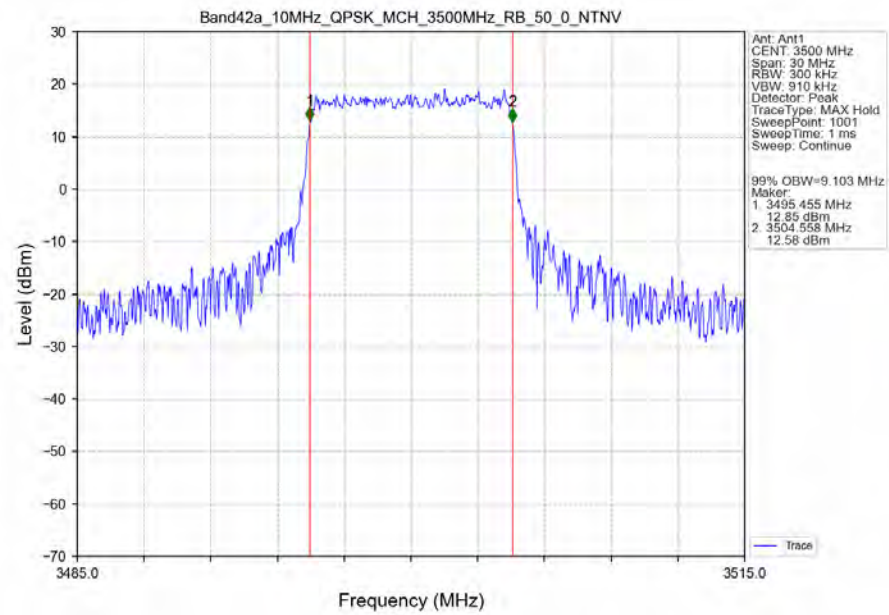
Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



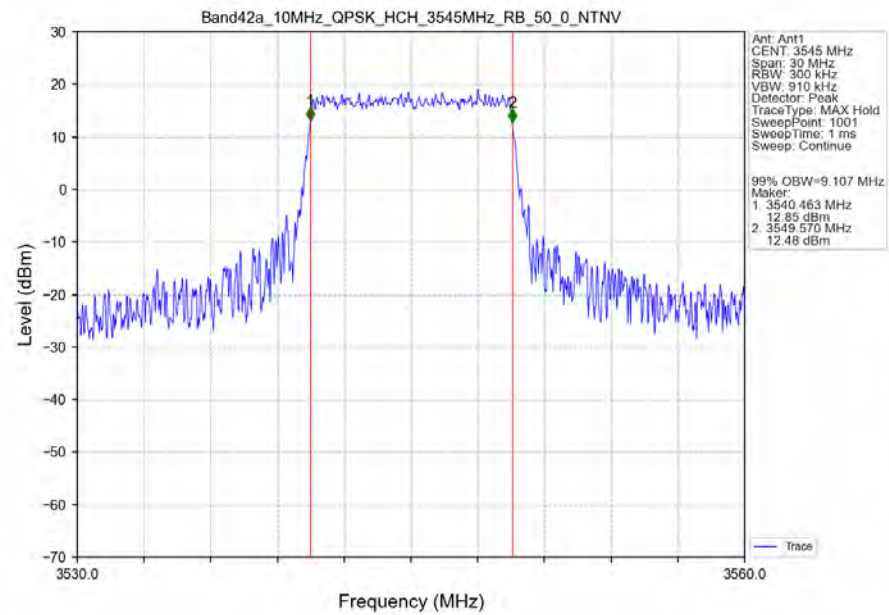
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



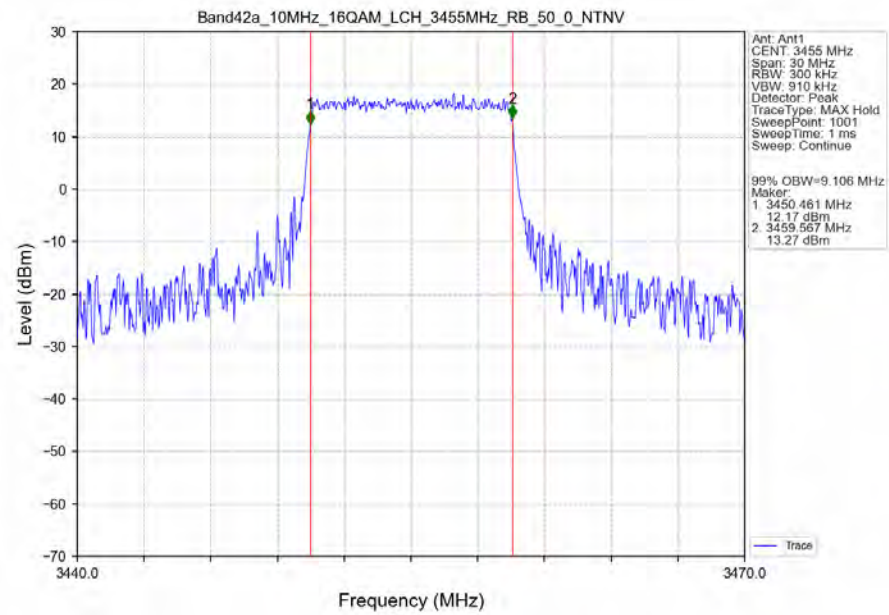
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



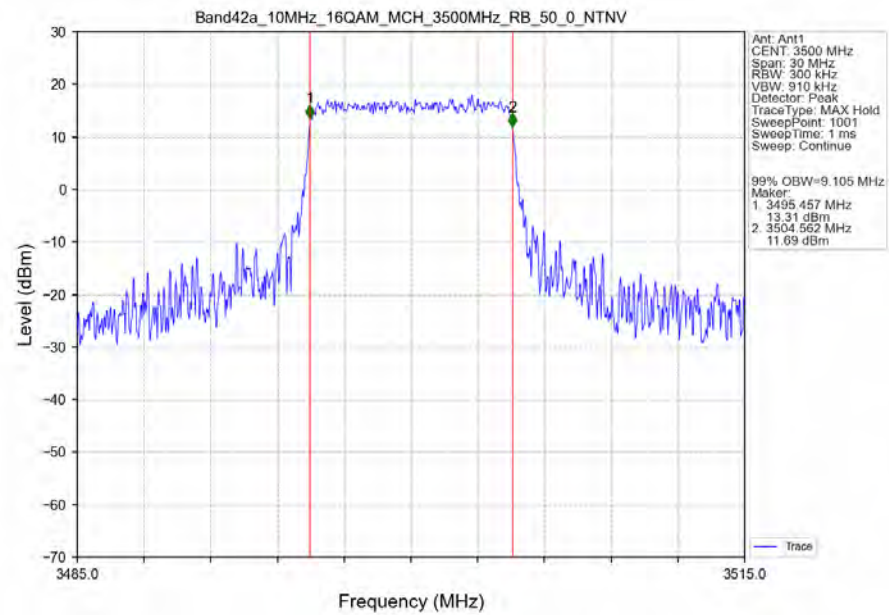
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



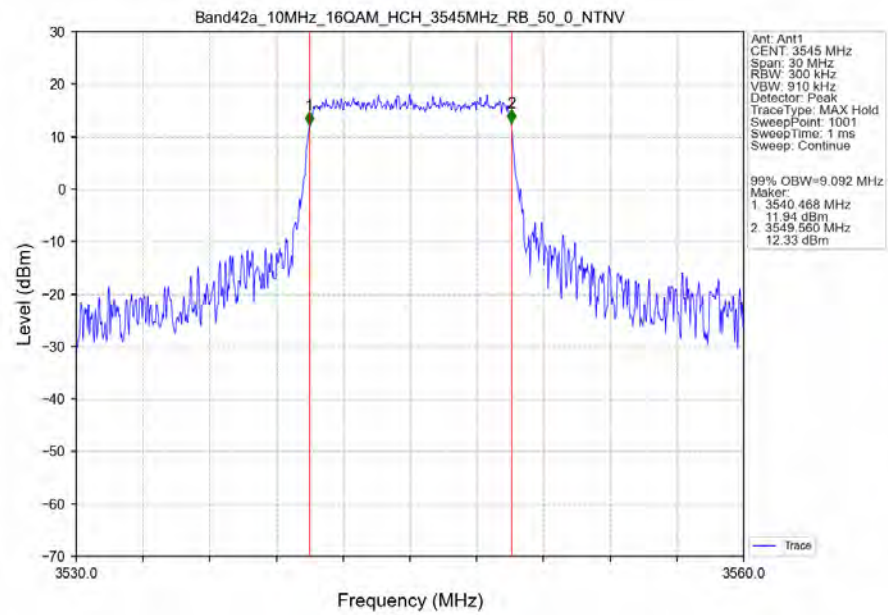
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



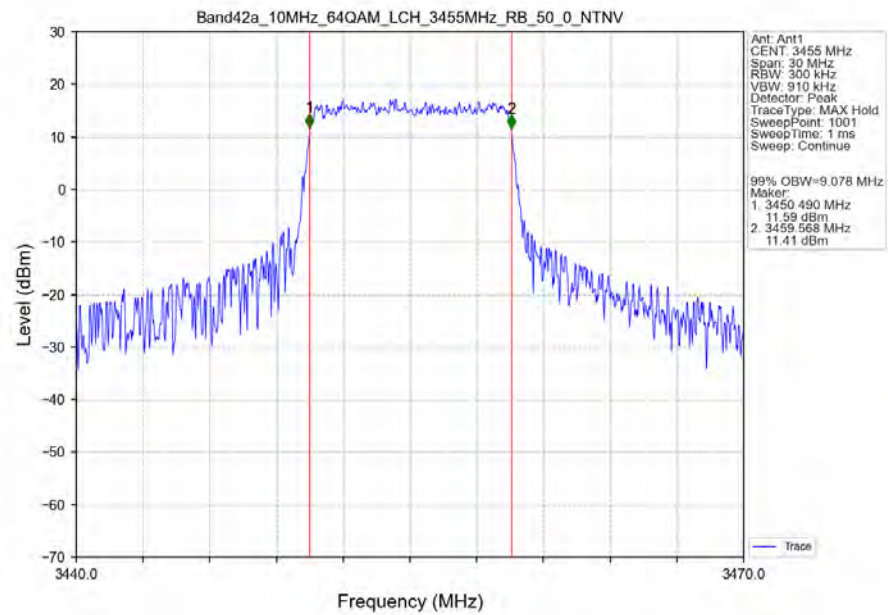
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



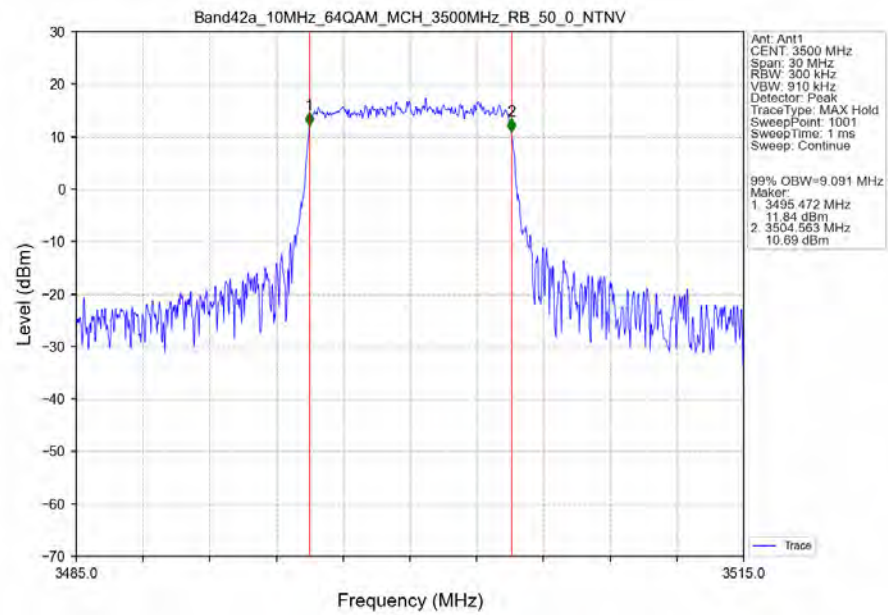
Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



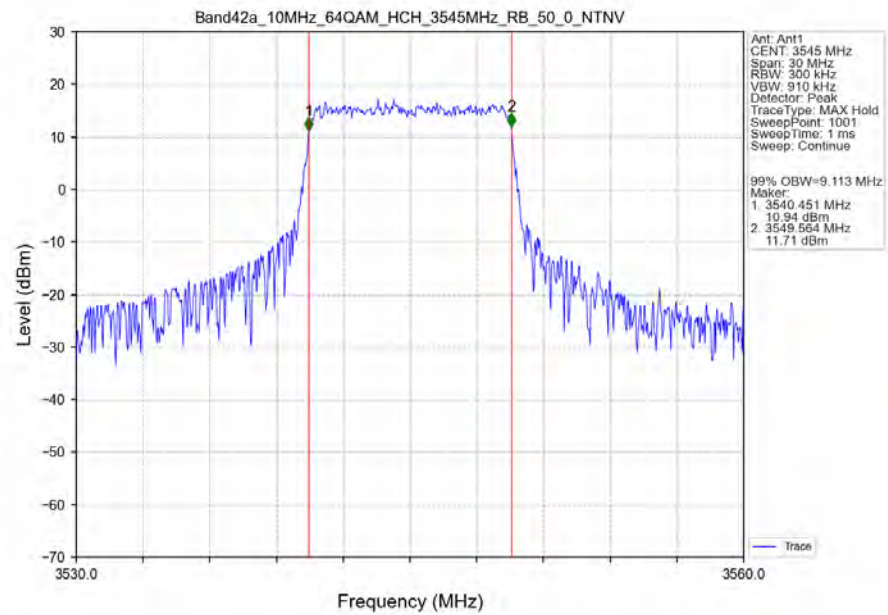
Band42a_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV



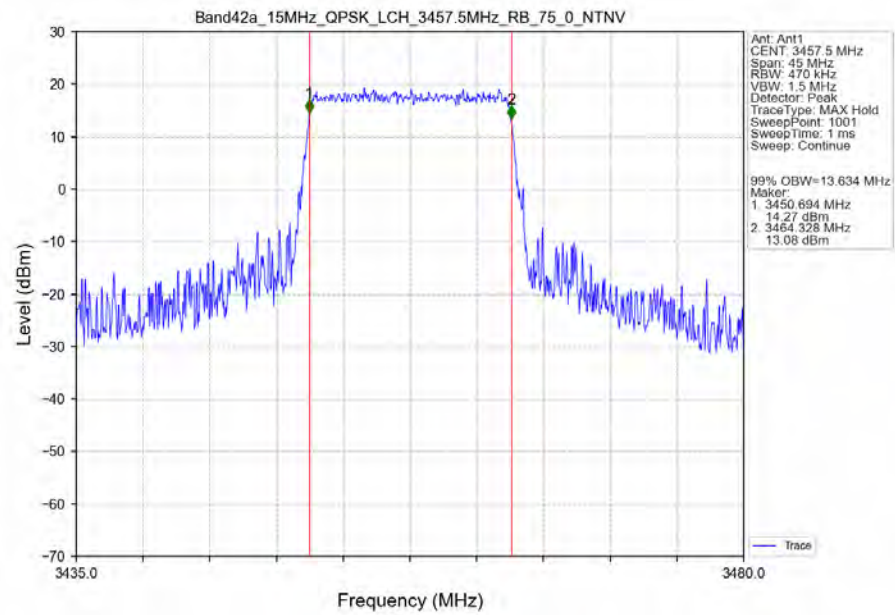
Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



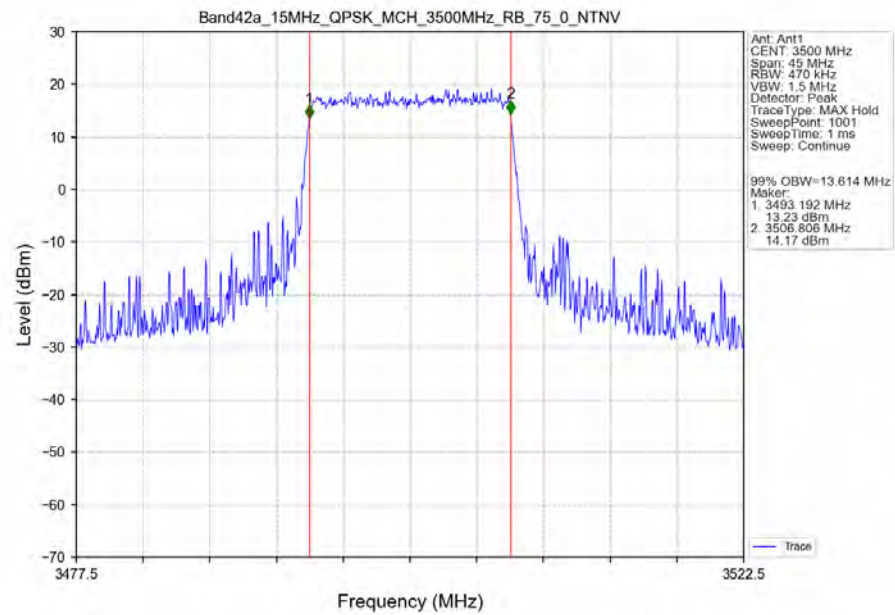
Band42a_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



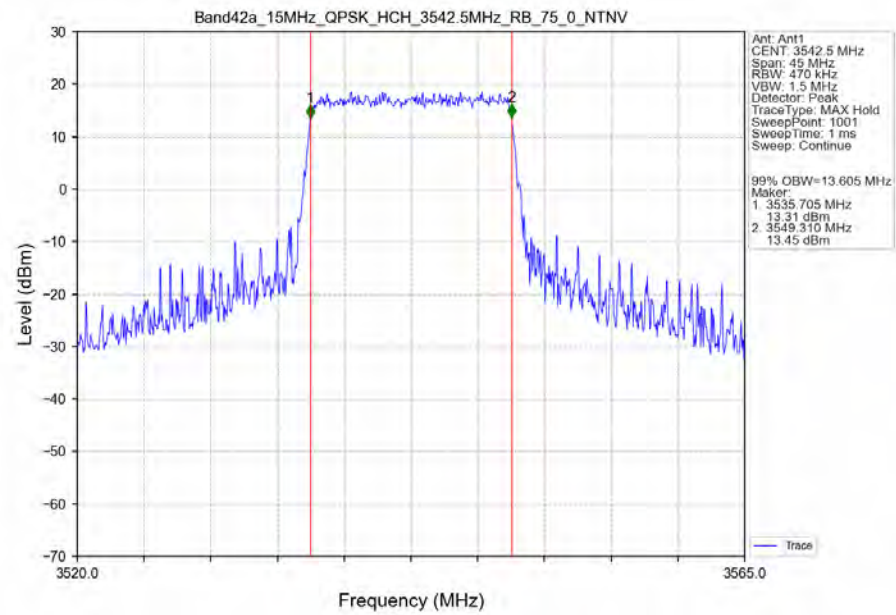
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



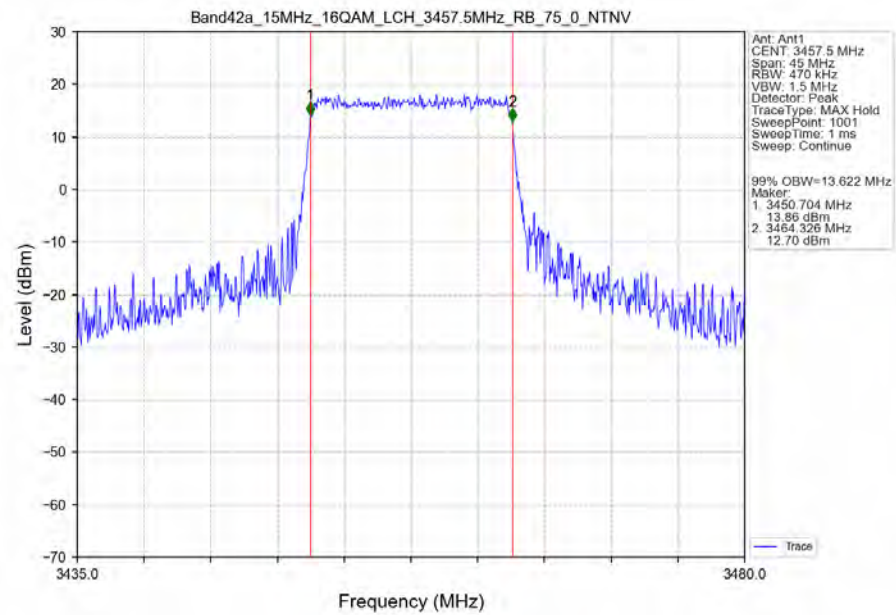
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



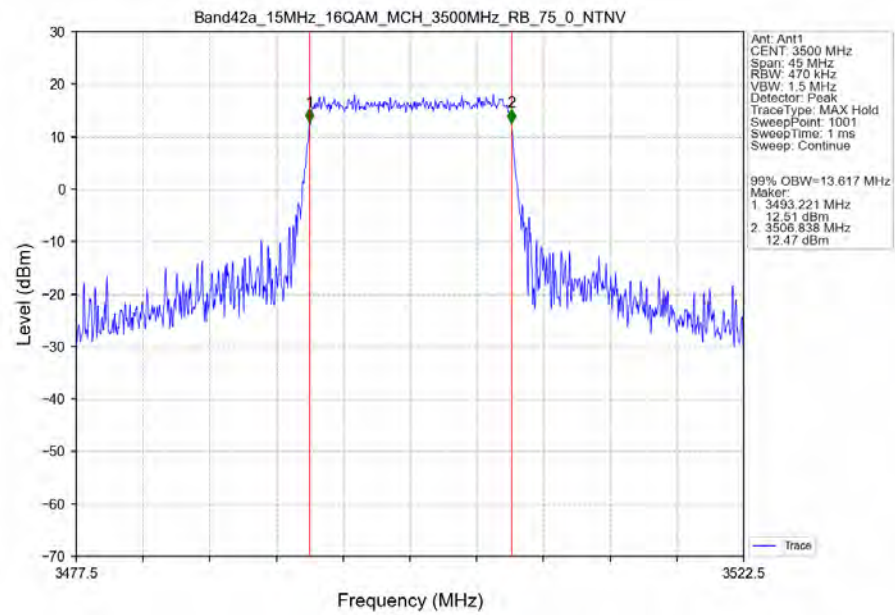
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



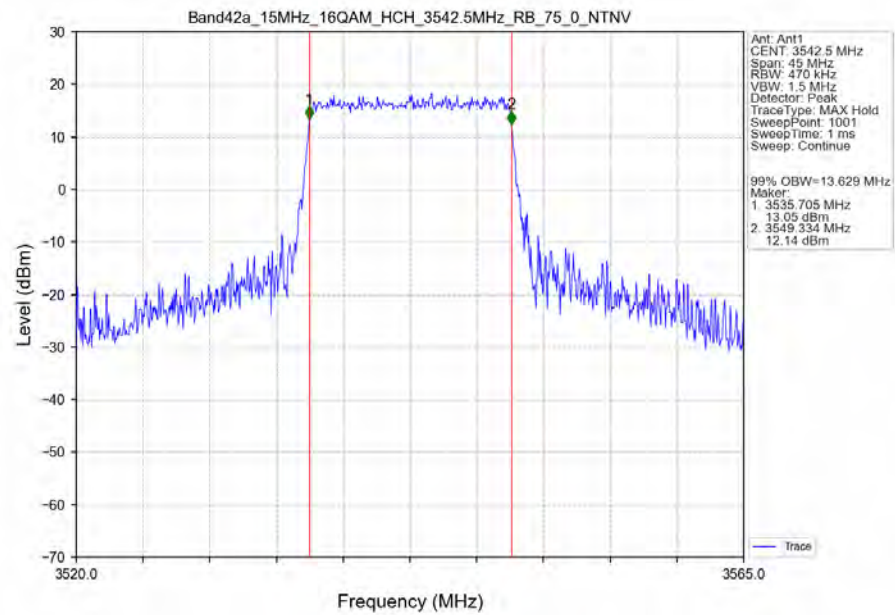
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



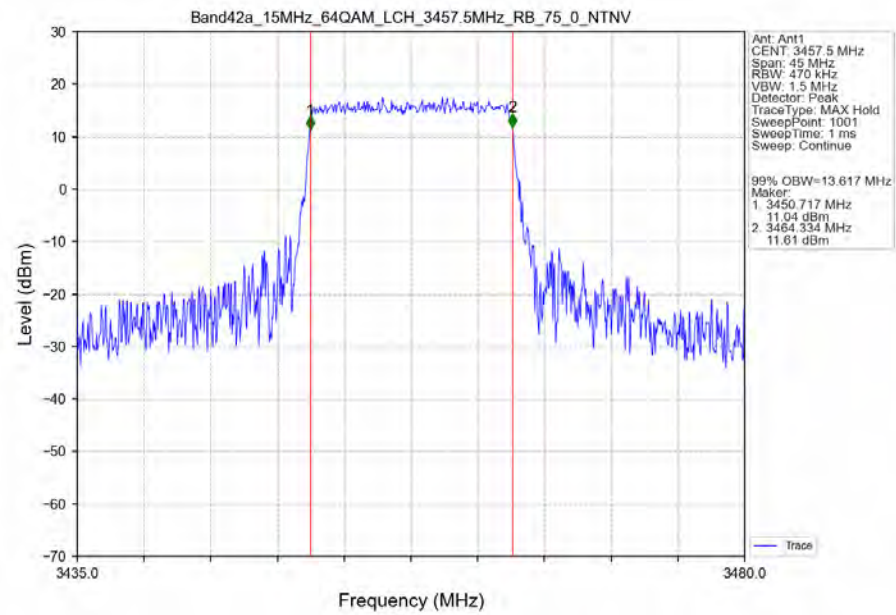
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



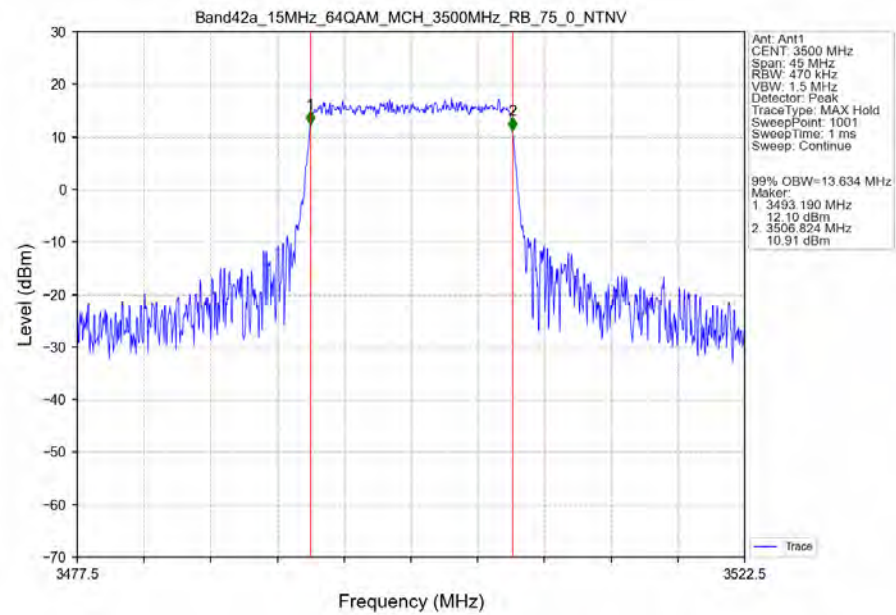
Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



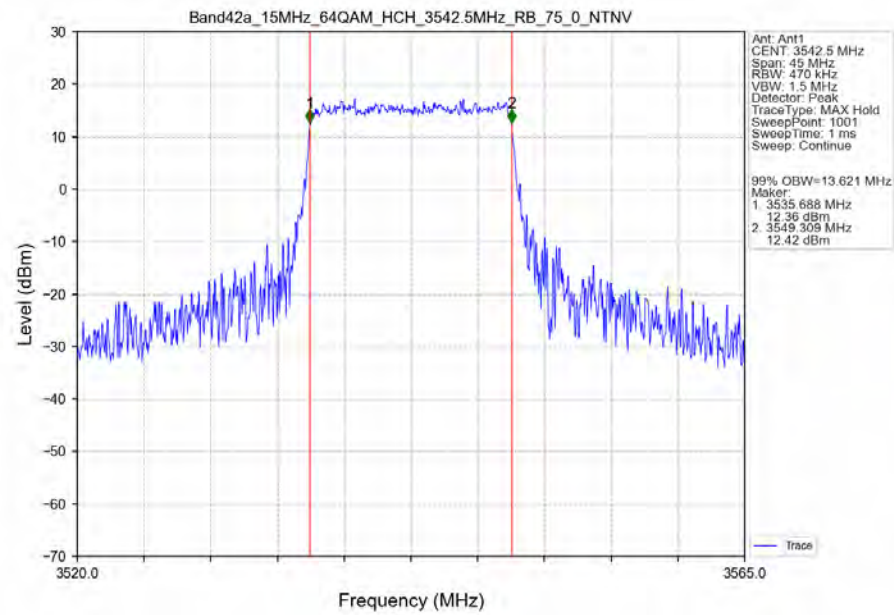
Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



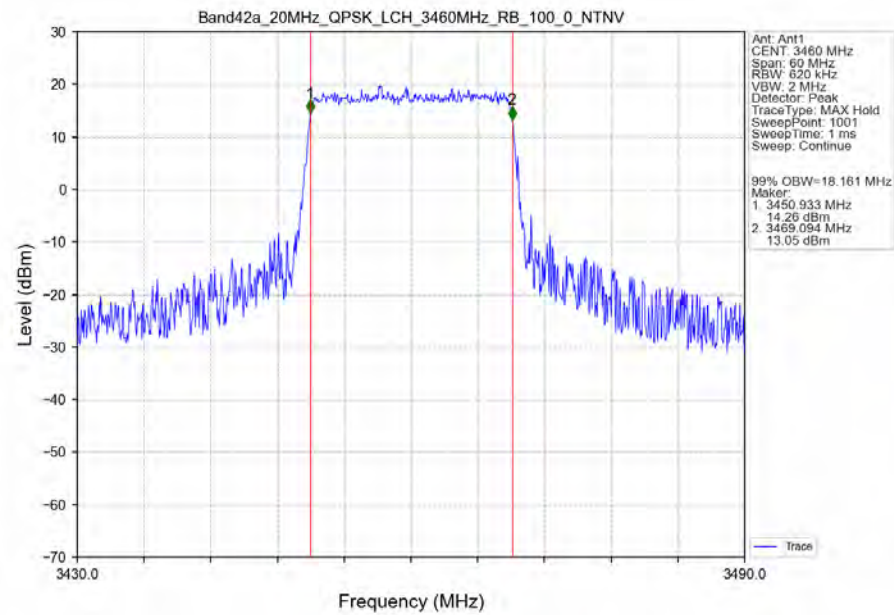
Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



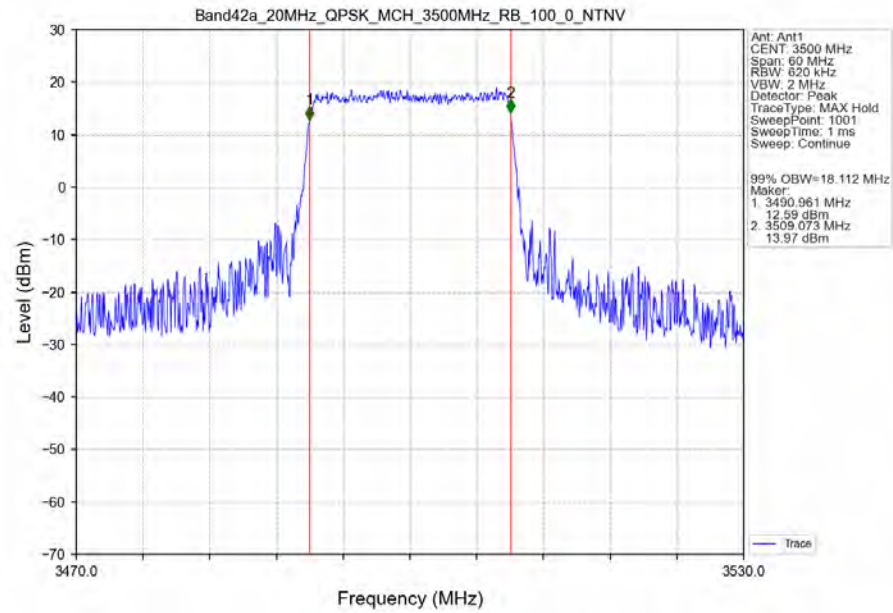
Band42a_15MHz_64QAM_HCH_3542.5MHz_RB_75_0_NTNV



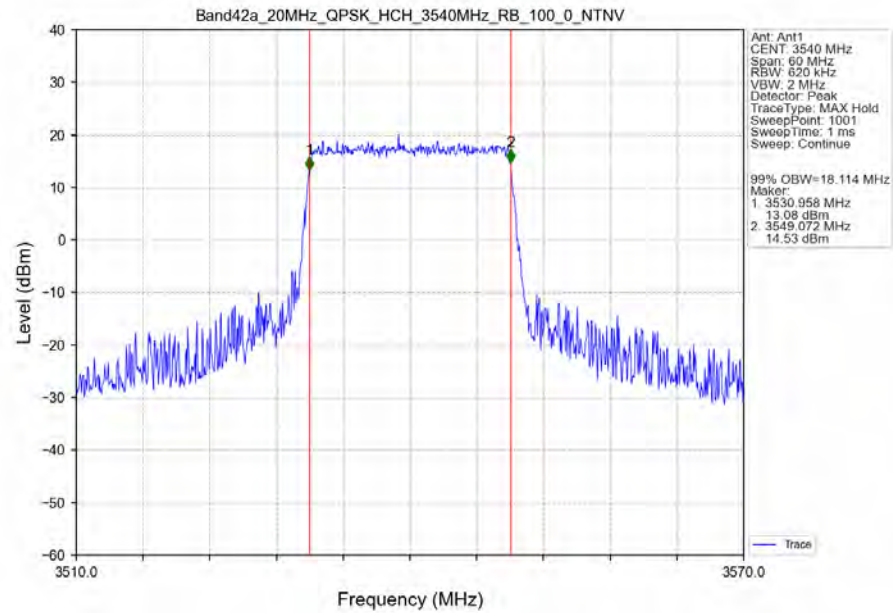
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



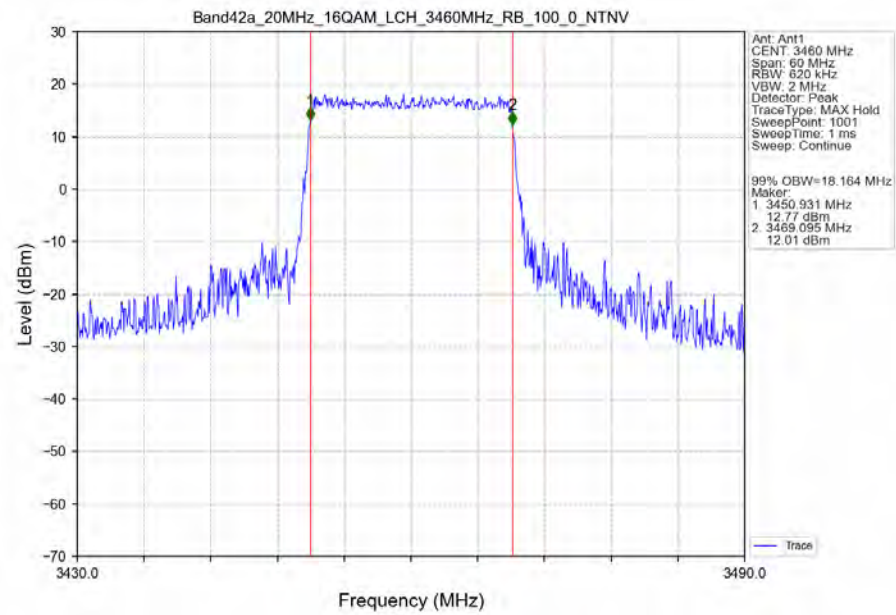
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



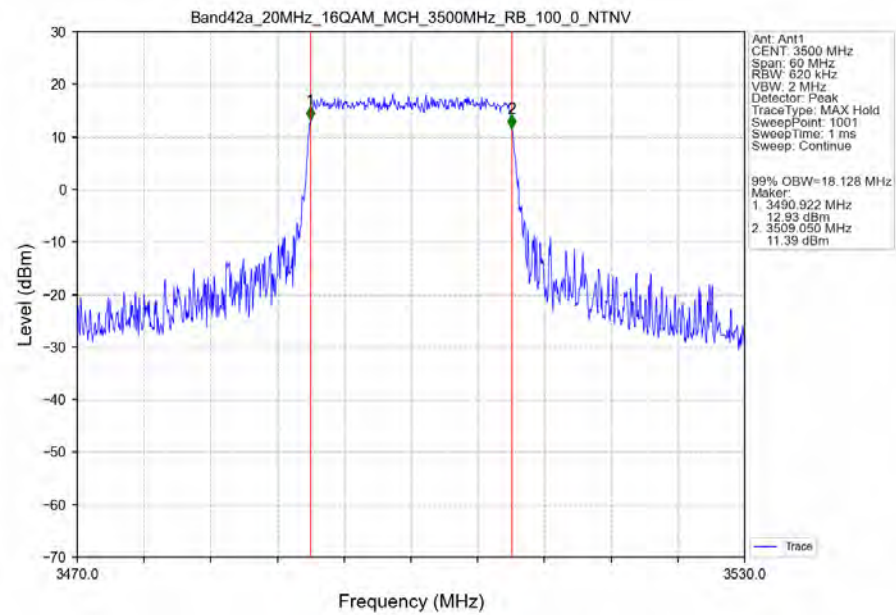
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



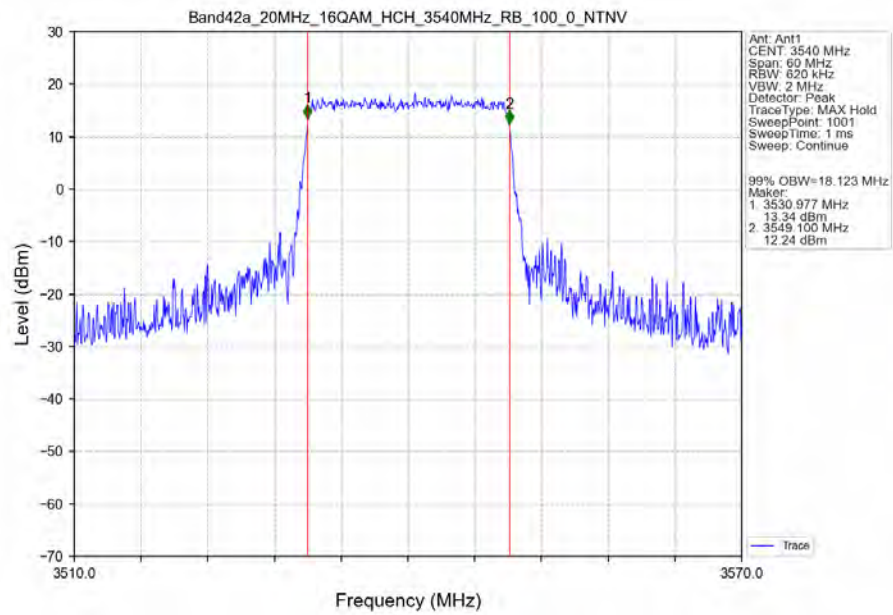
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



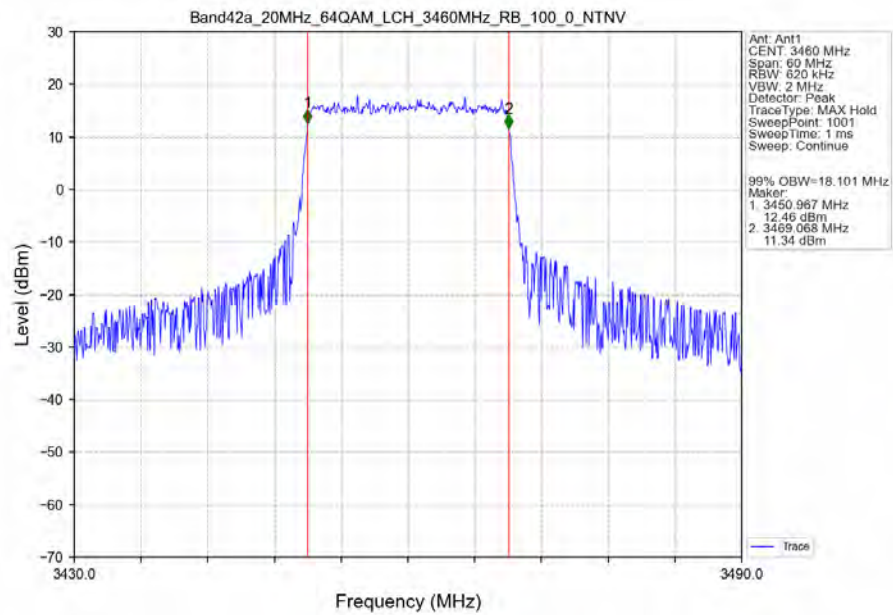
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



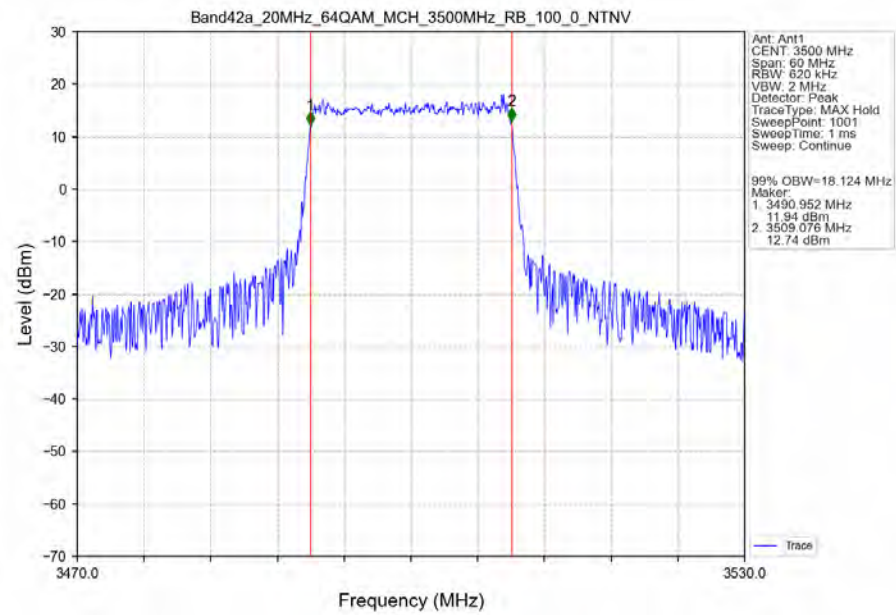
Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



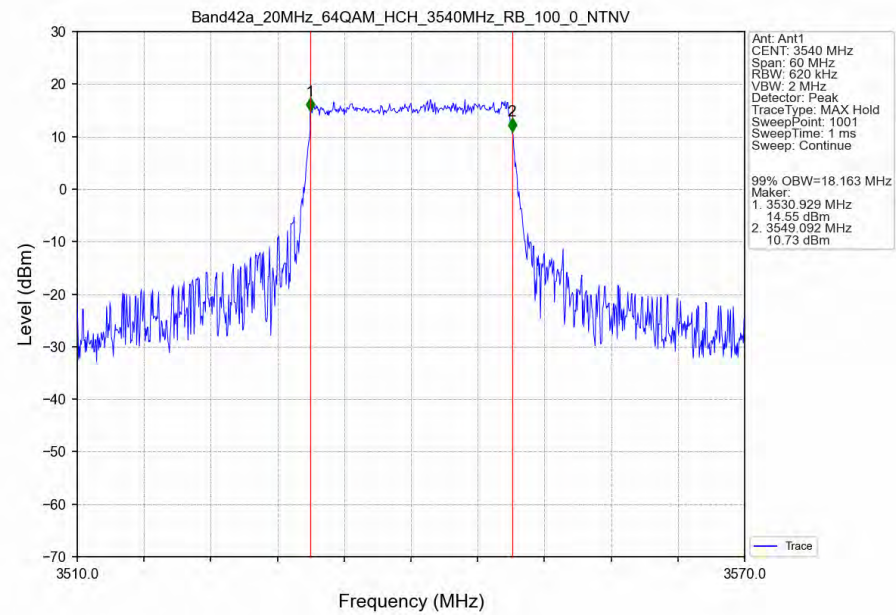
Band42a_20MHz_64QAM_LCH_3460MHz_RB_100_0_NTNV



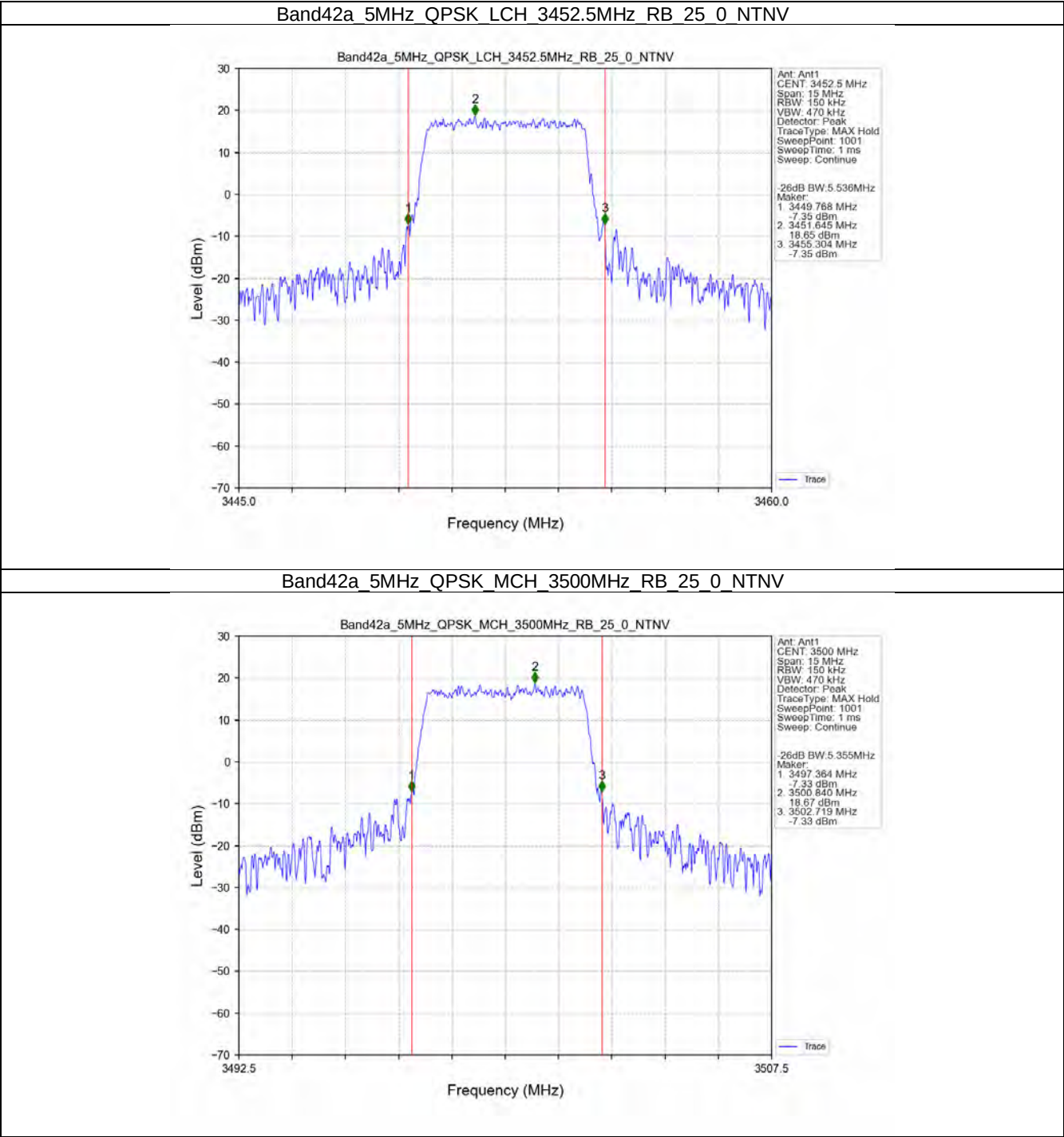
Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV



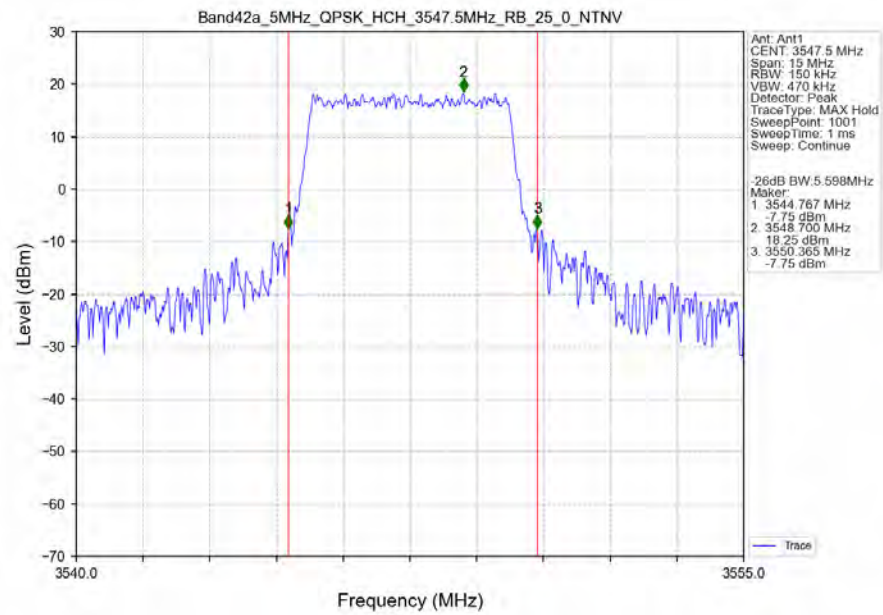
Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



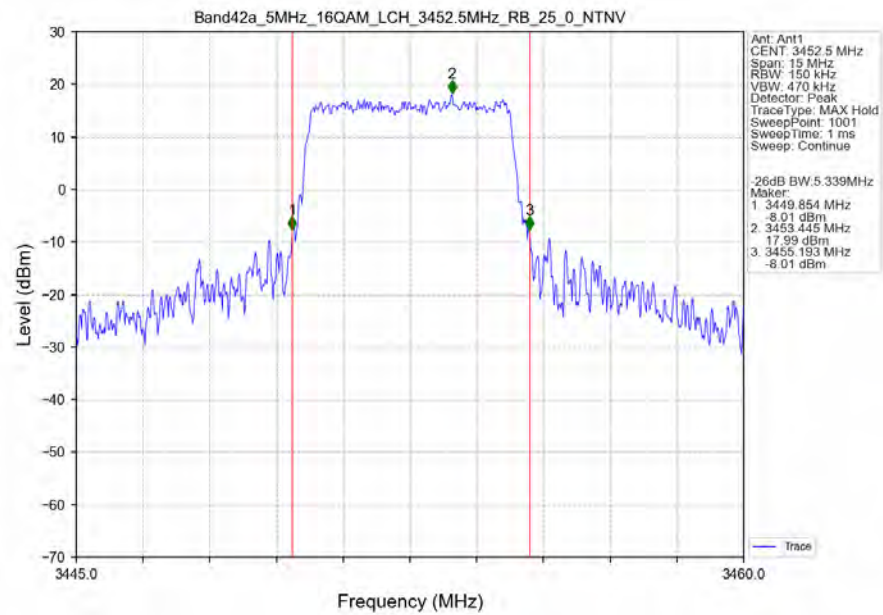
3.2.2 Band42a_XDB



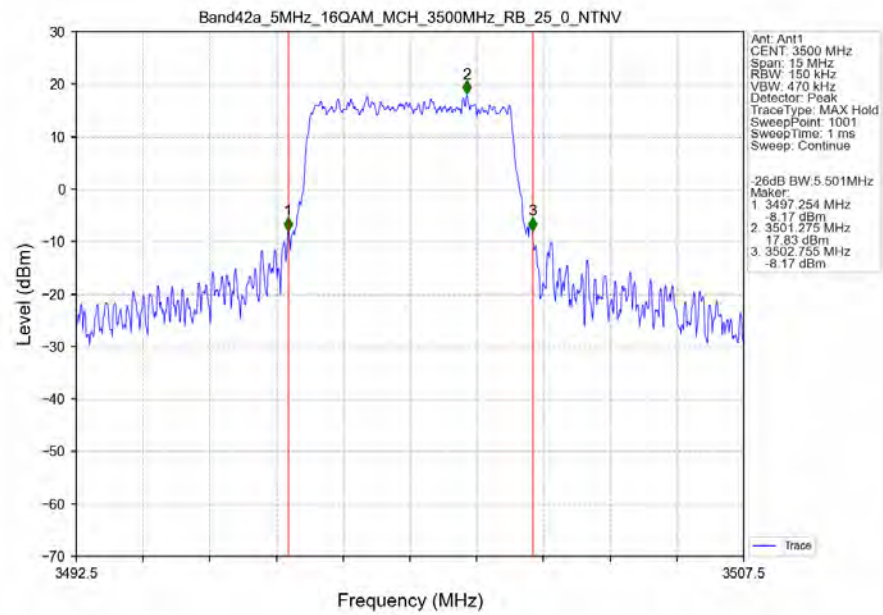
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



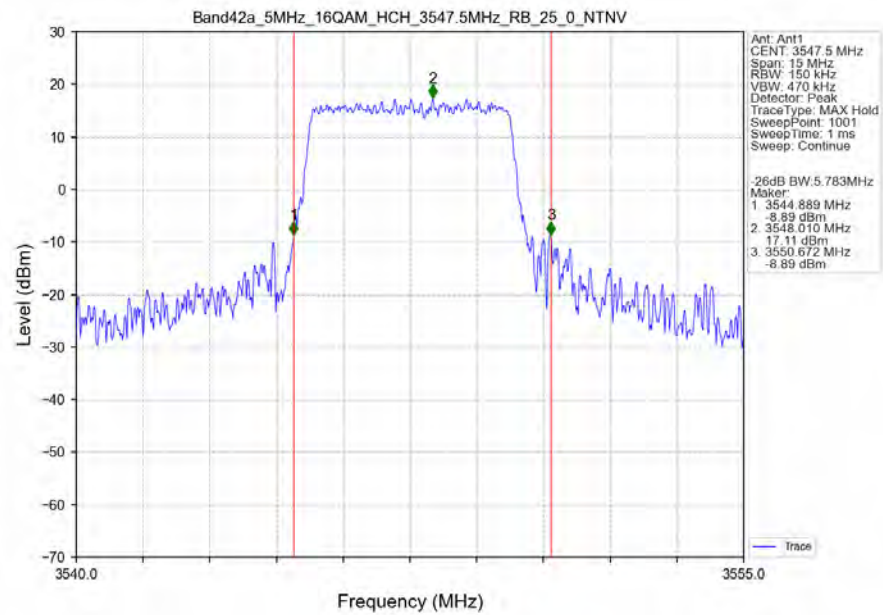
Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



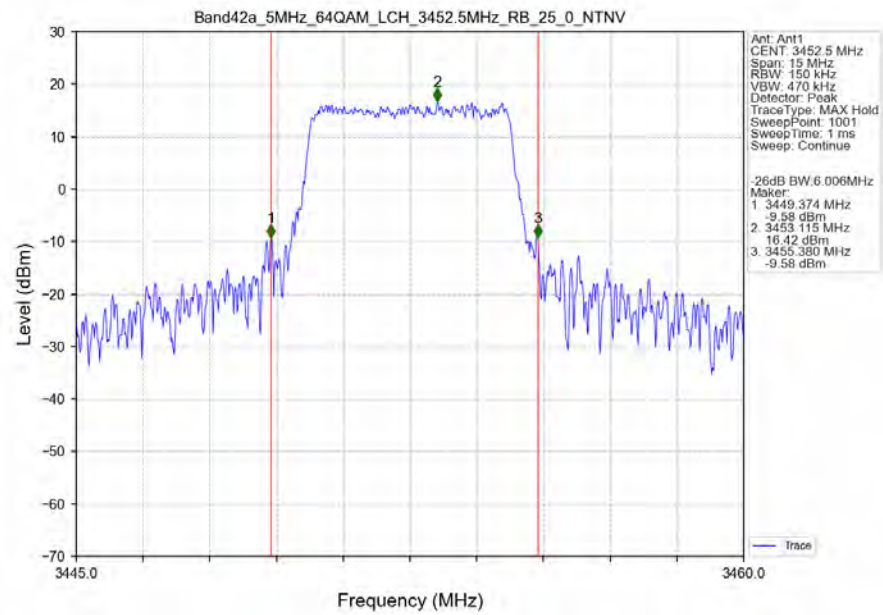
Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



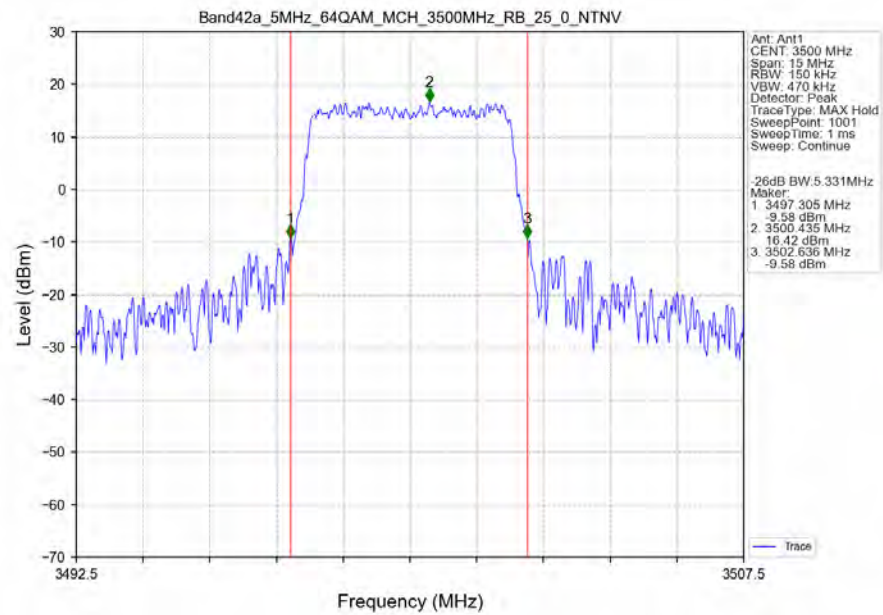
Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



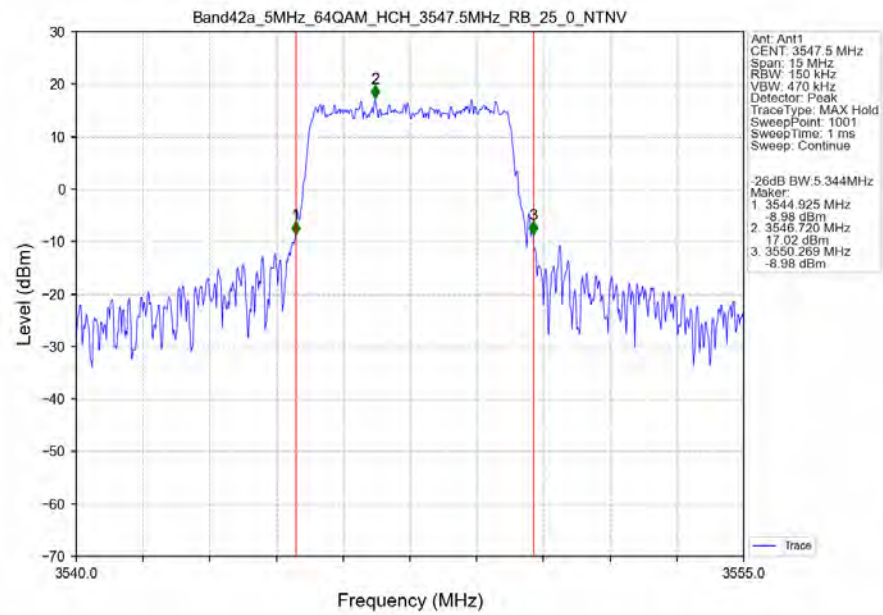
Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV



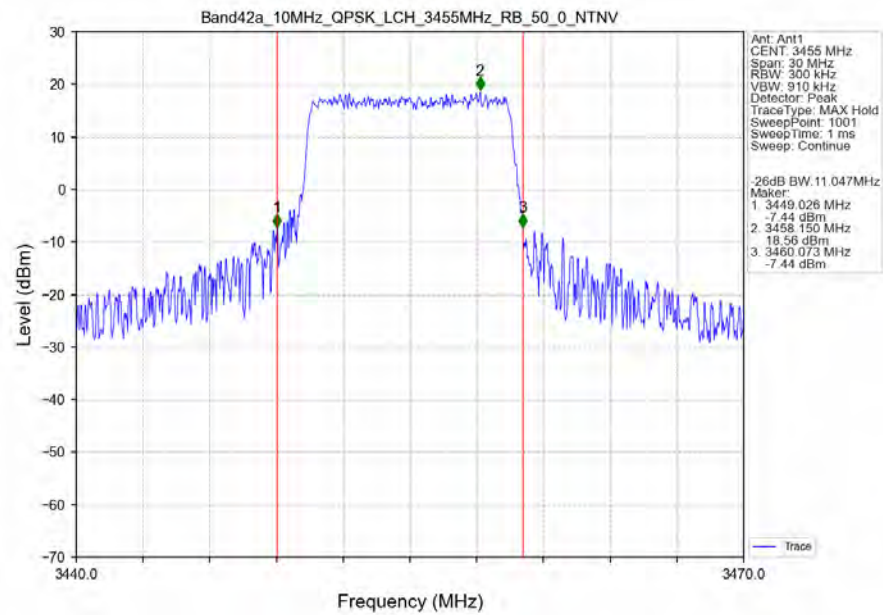
Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



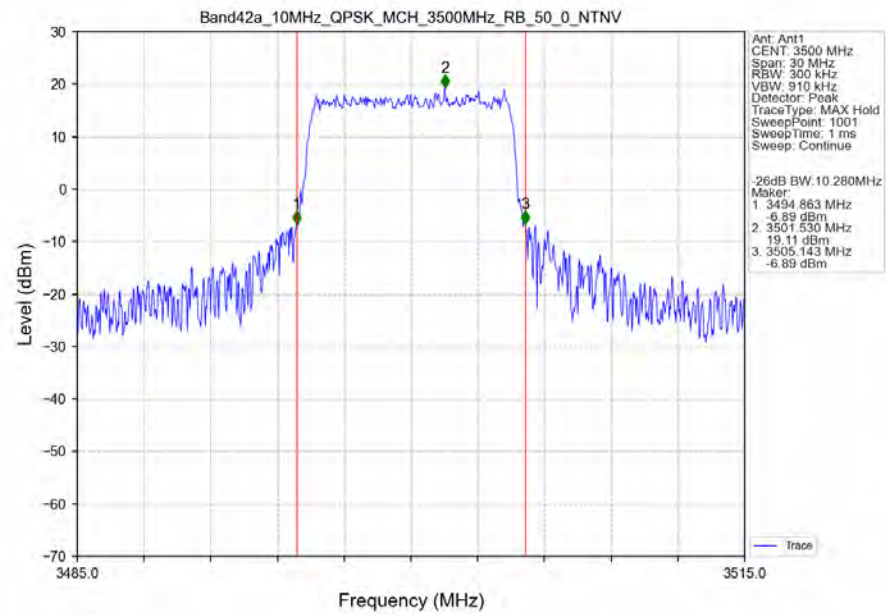
Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



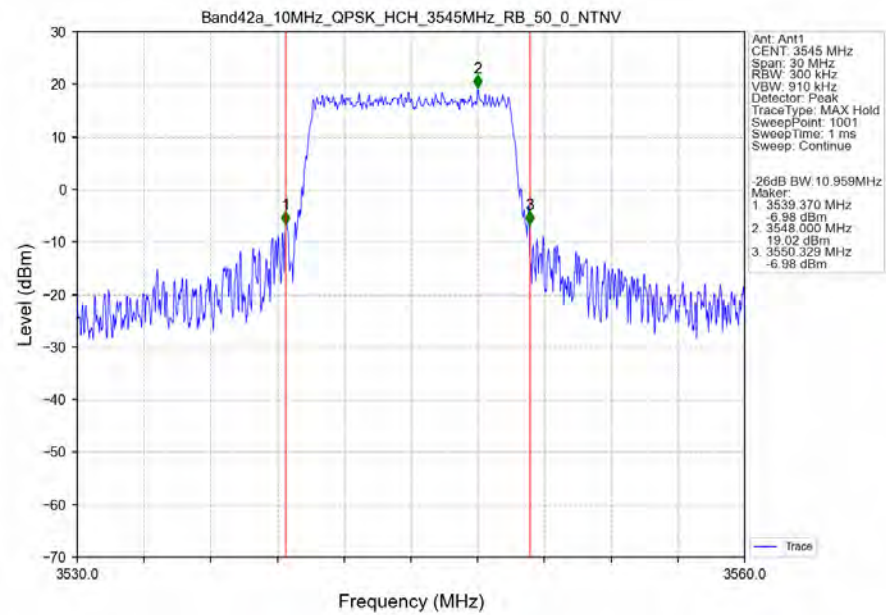
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



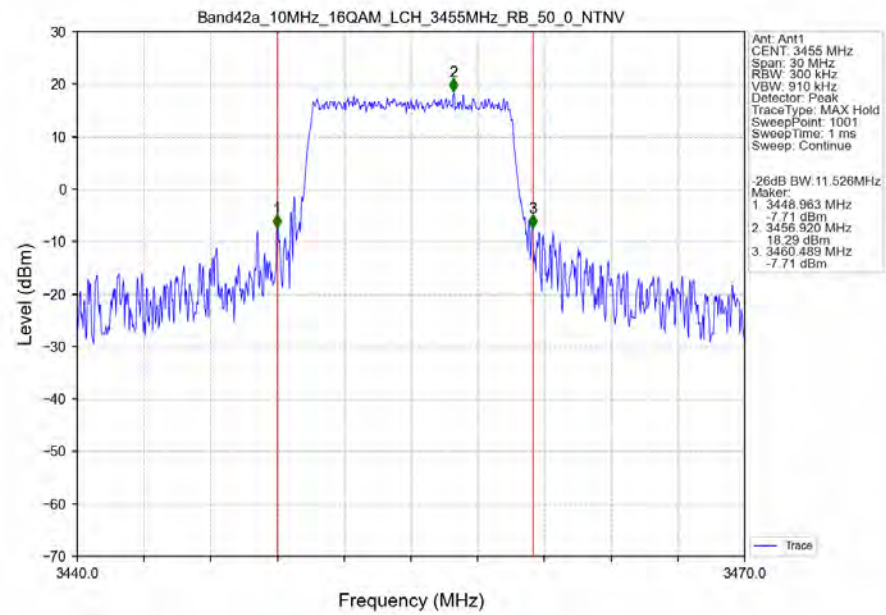
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



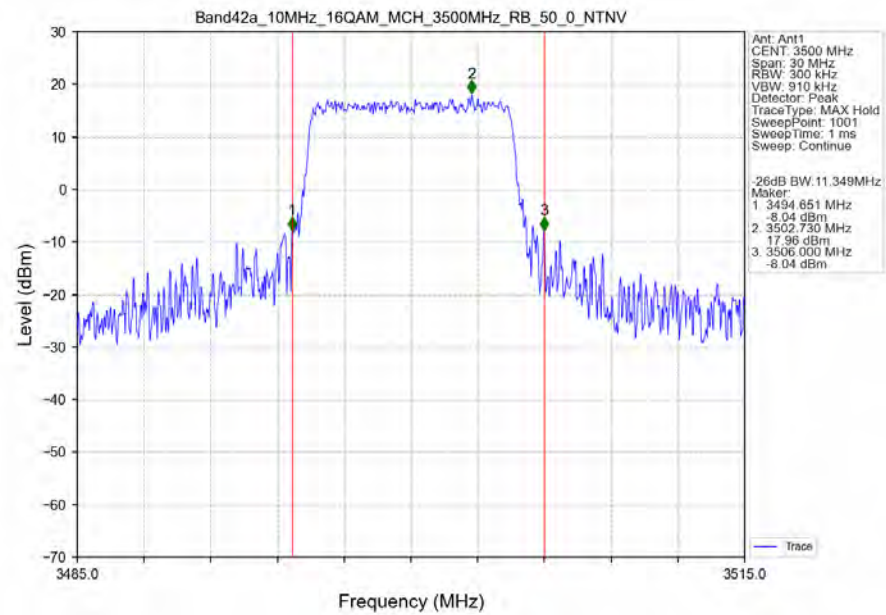
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



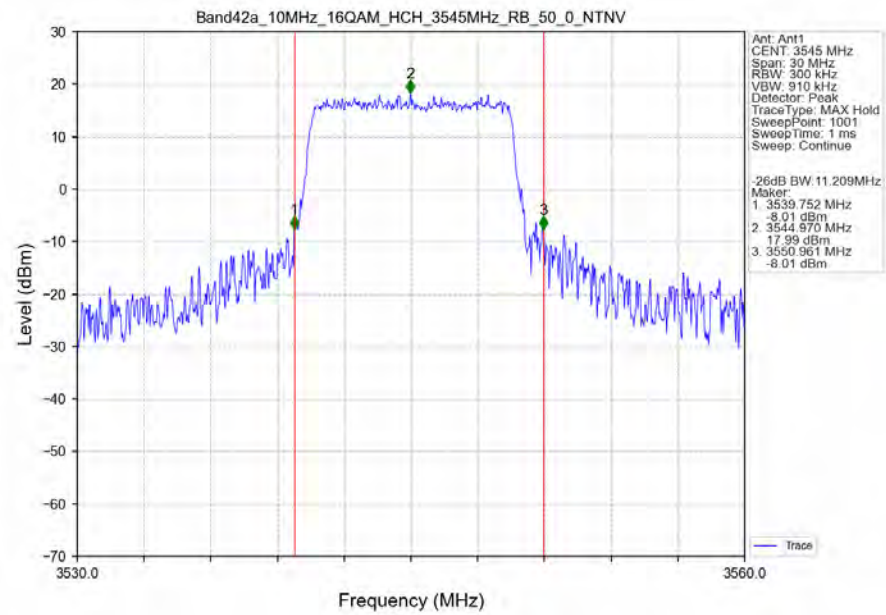
Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



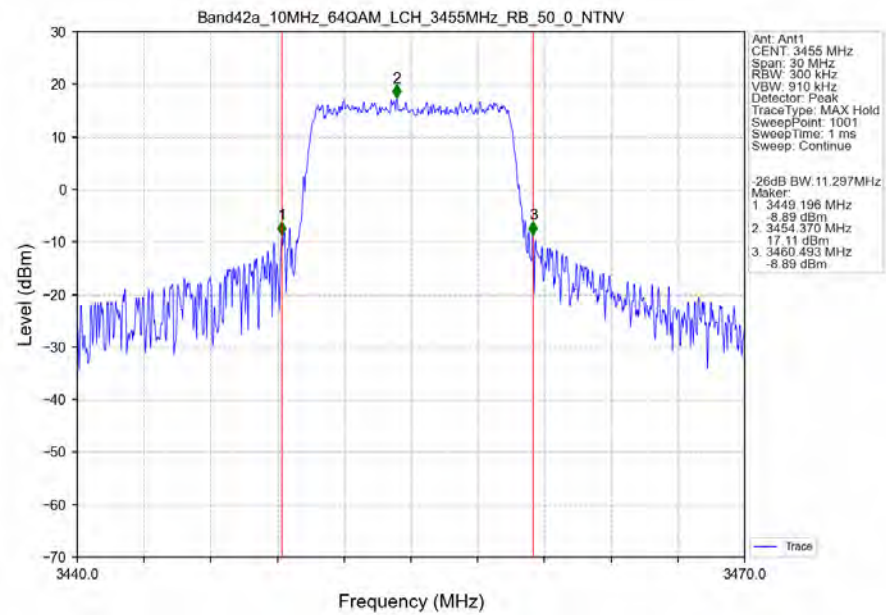
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



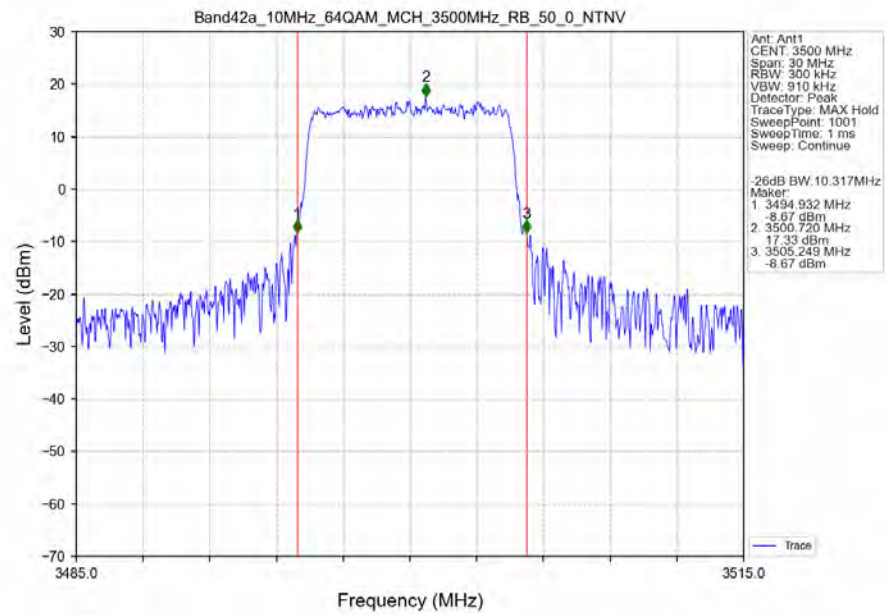
Band42a_10MHz_16QAM_HCH_3545MHz_RB_50_0_NTNV



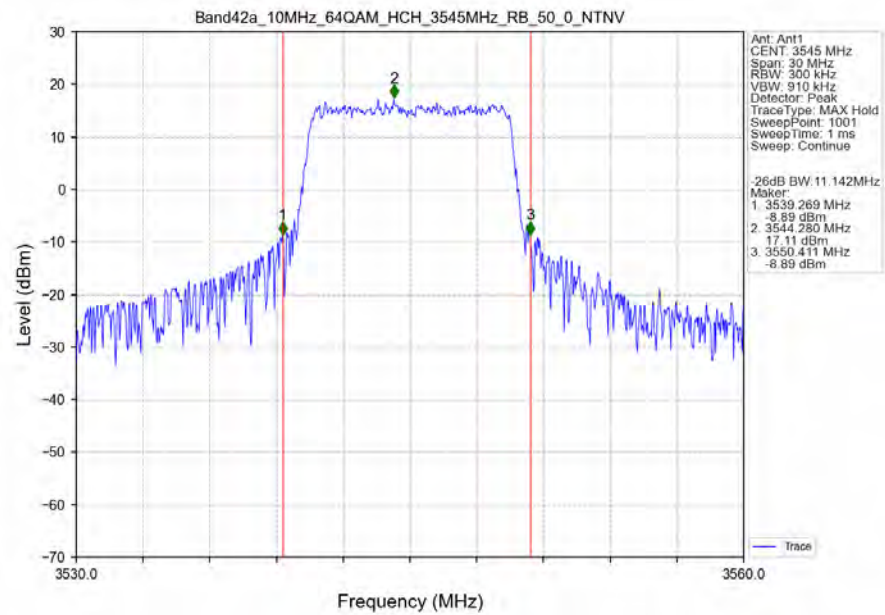
Band42a_10MHz_64QAM_LCH_3455MHz_RB_50_0_NTNV



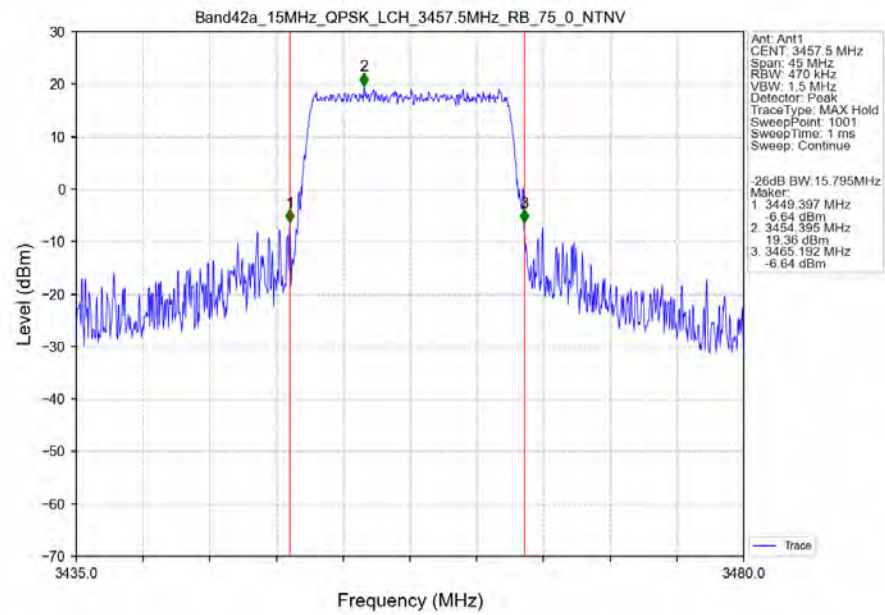
Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



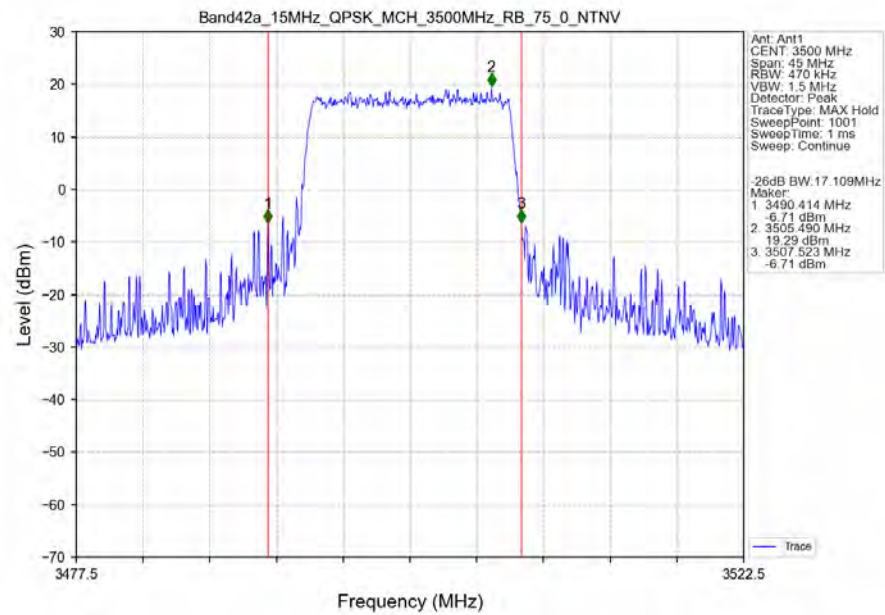
Band42a_10MHz_64QAM_HCH_3545MHz_RB_50_0_NTNV



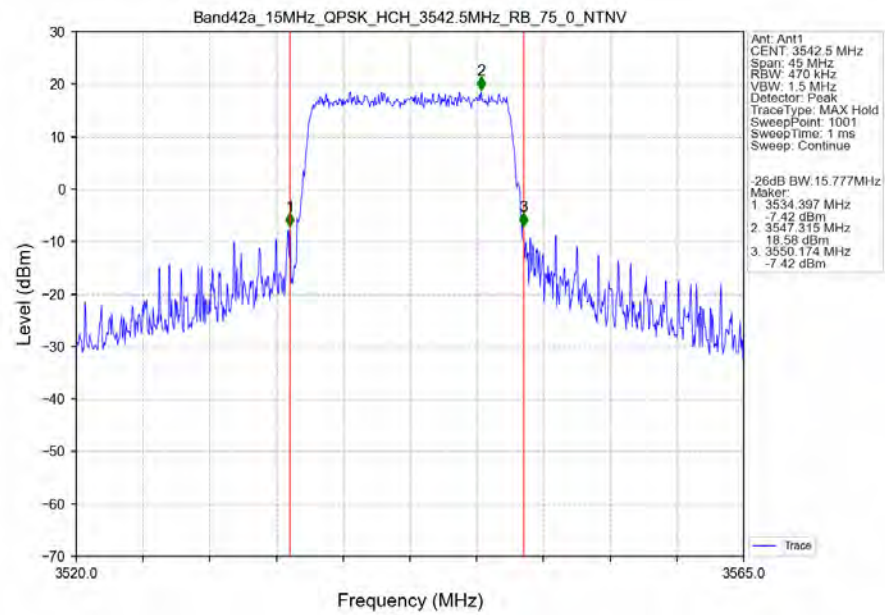
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



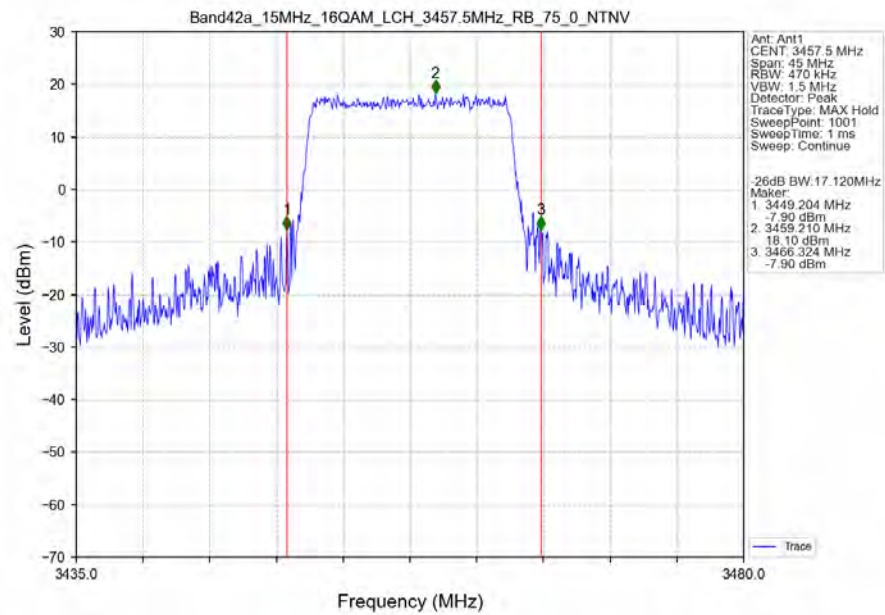
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



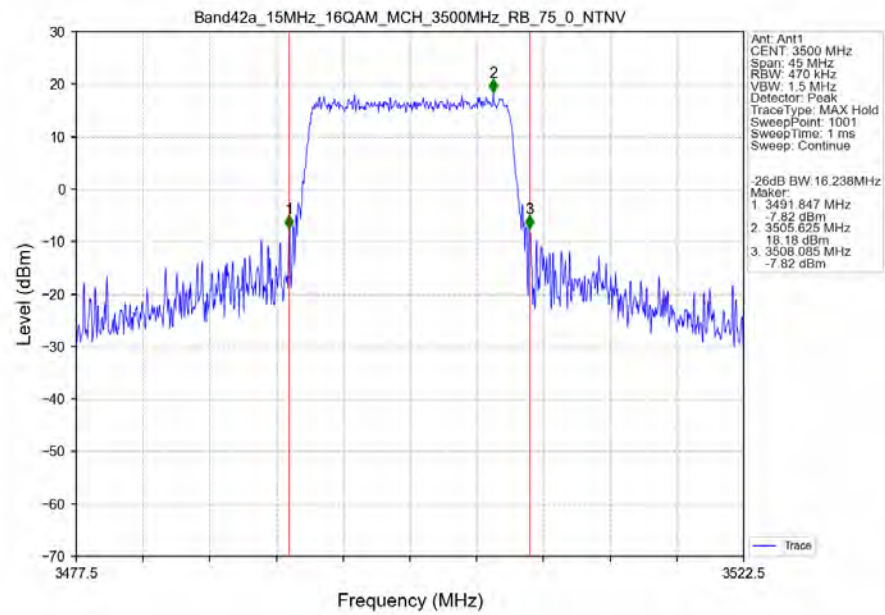
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



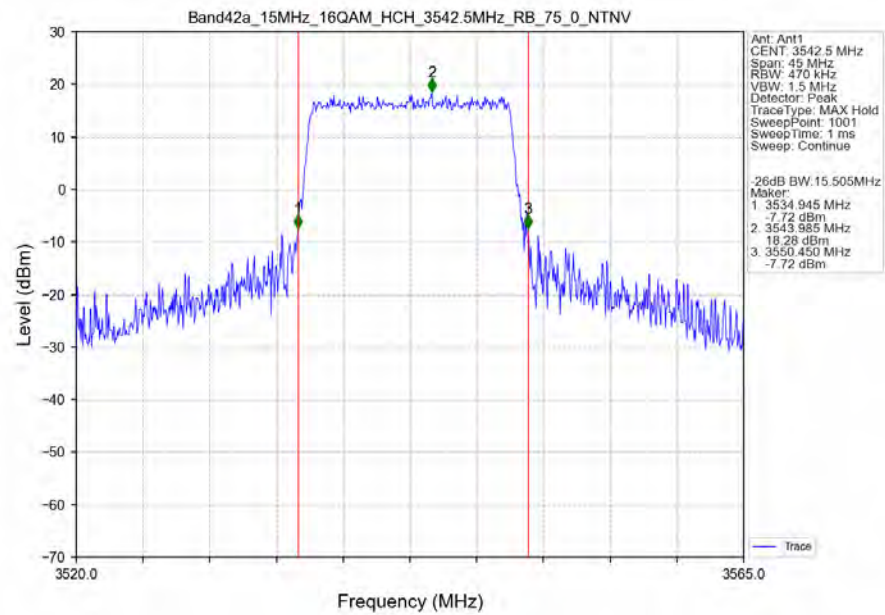
Band42a_15MHz_16QAM_LCH_3457.5MHz_RB_75_0_NTNV



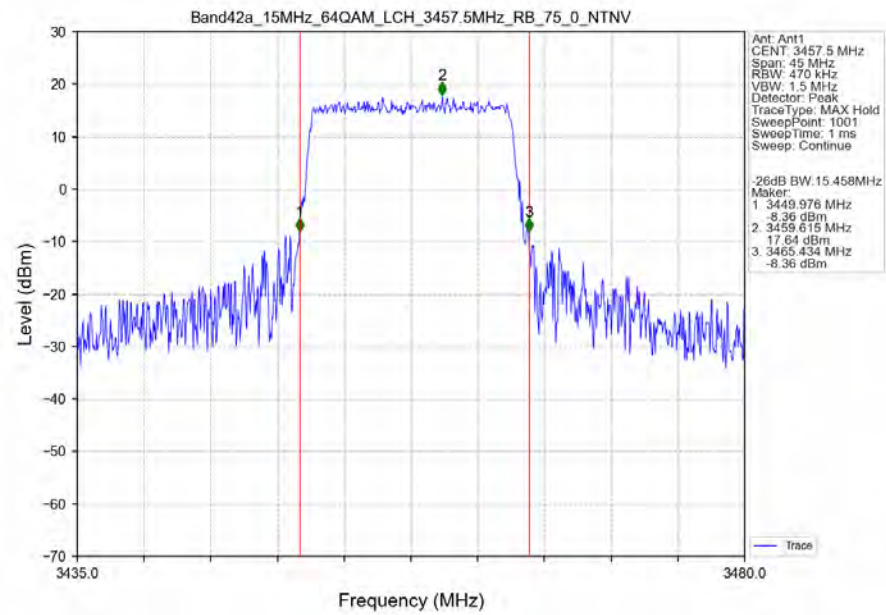
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



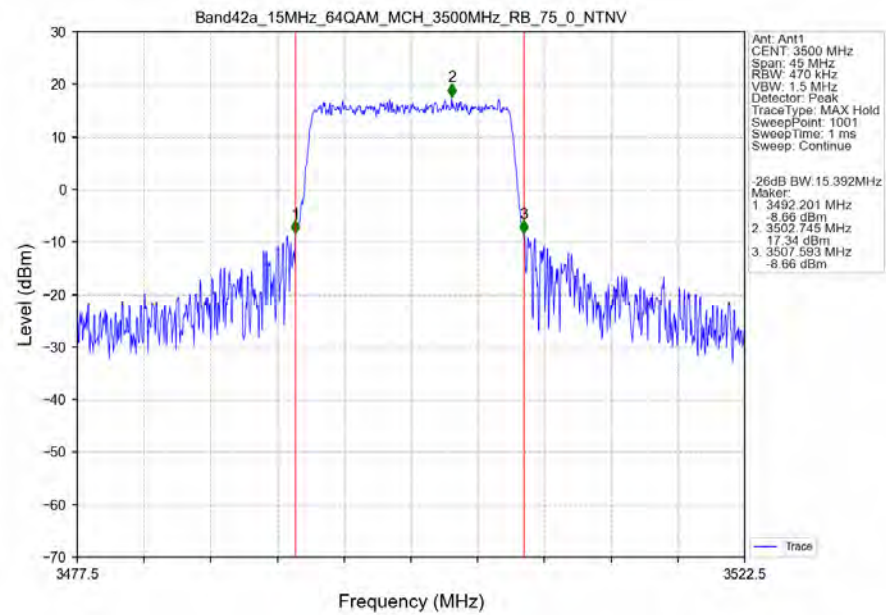
Band42a_15MHz_16QAM_HCH_3542.5MHz_RB_75_0_NTNV



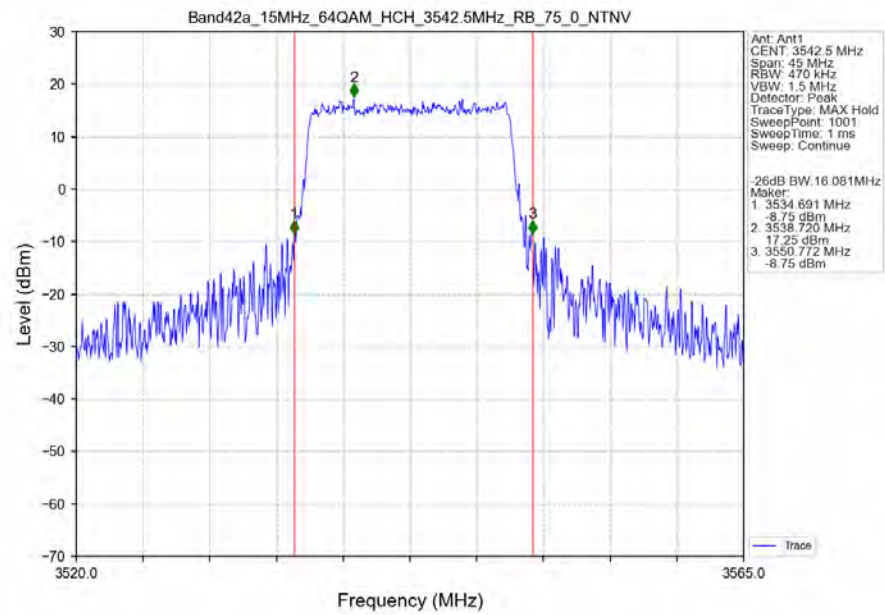
Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



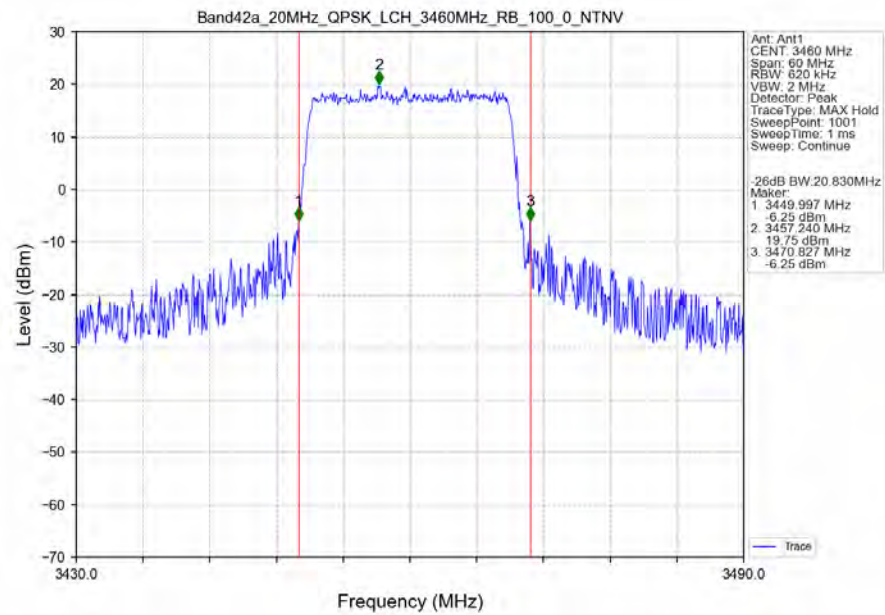
Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



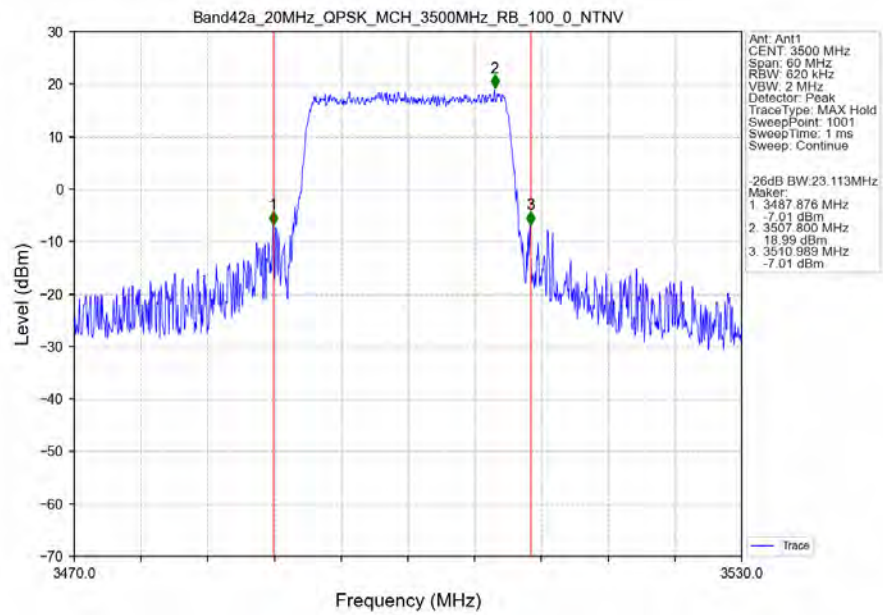
Band42a_15MHz_64QAM_HCH_3542.5MHz_RB_75_0_NTNV



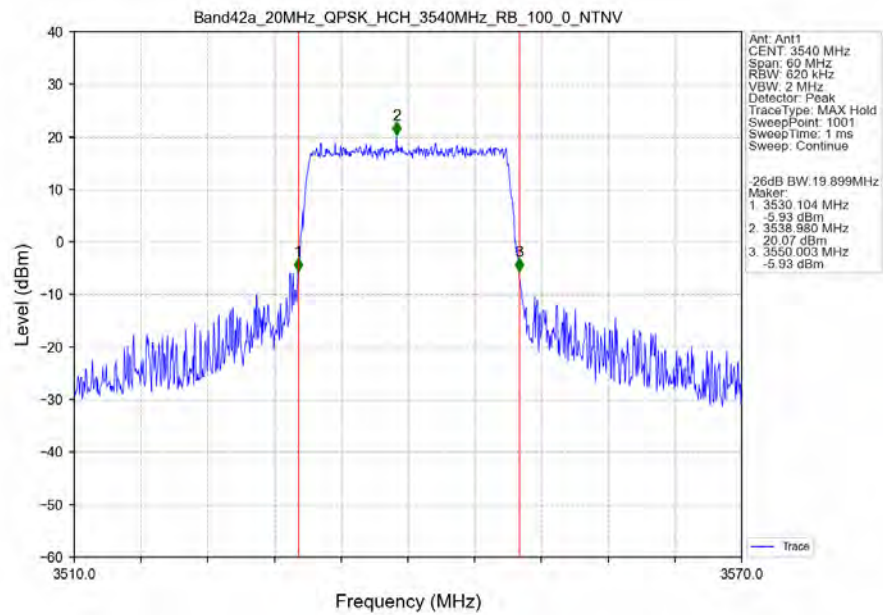
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



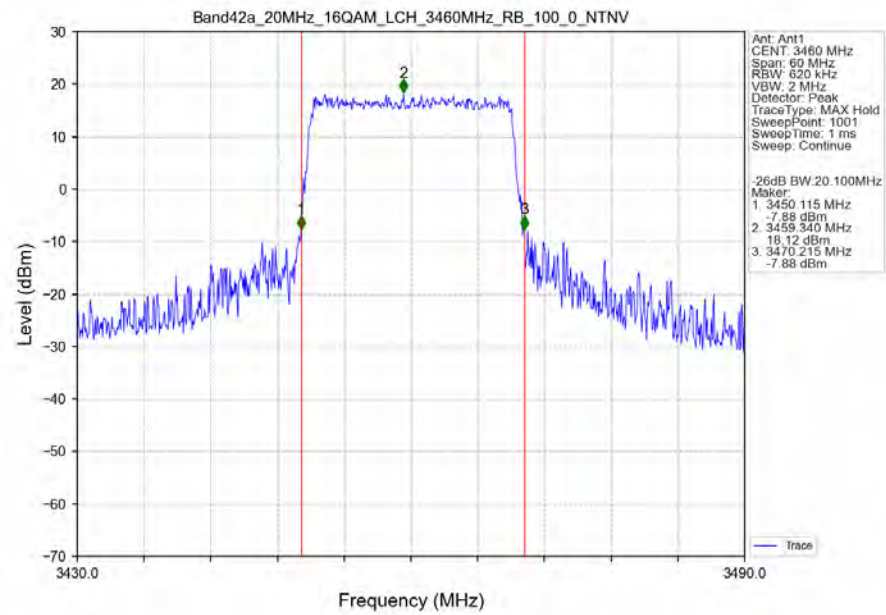
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



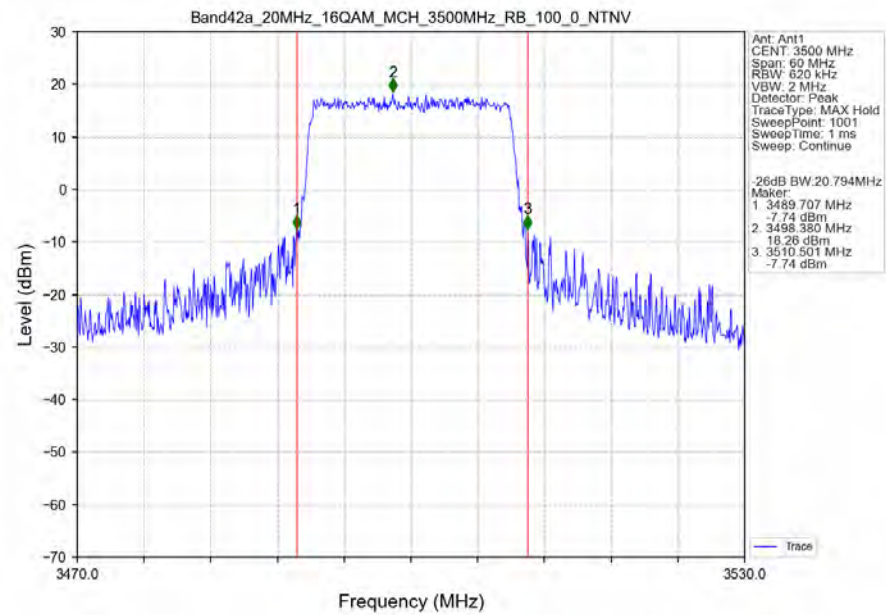
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



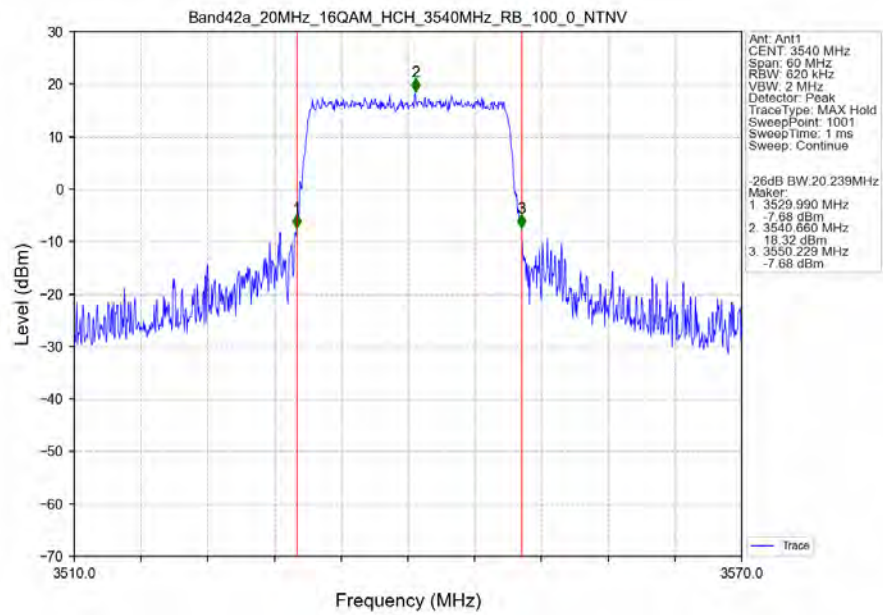
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



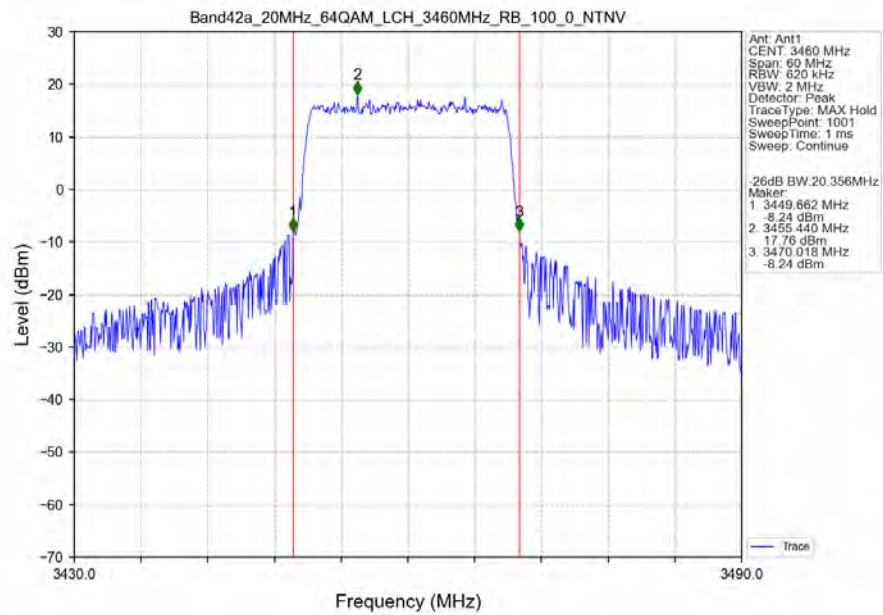
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



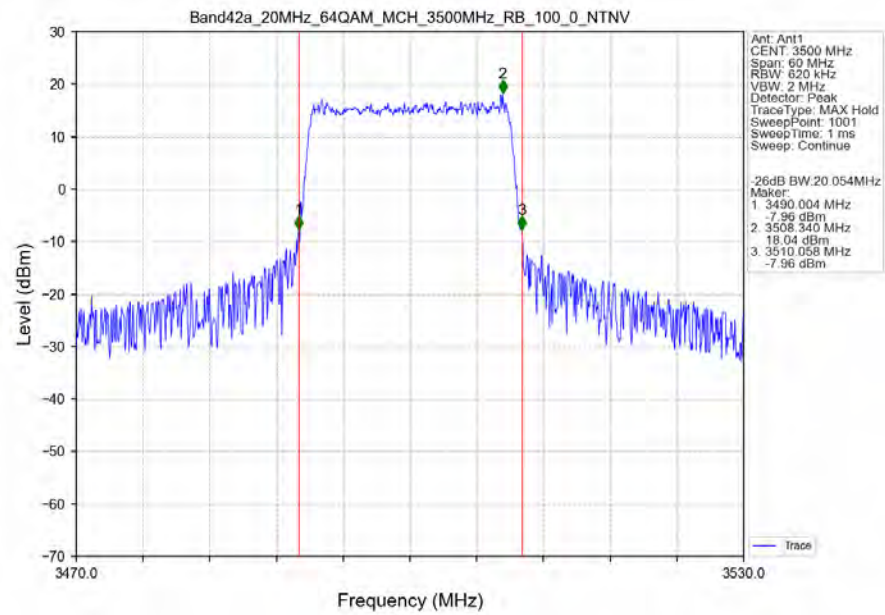
Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



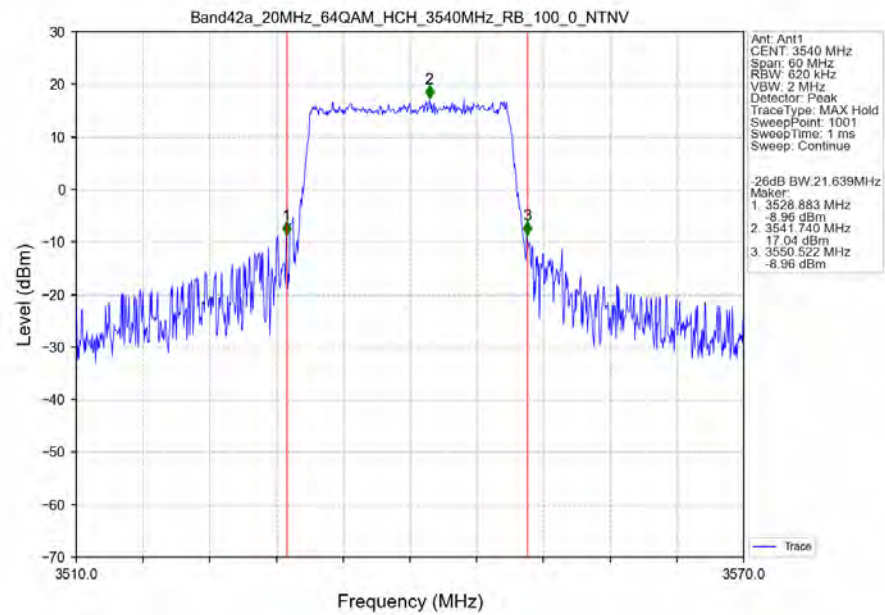
Band42a_20MHz_64QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



4. Peak-Average Ratio

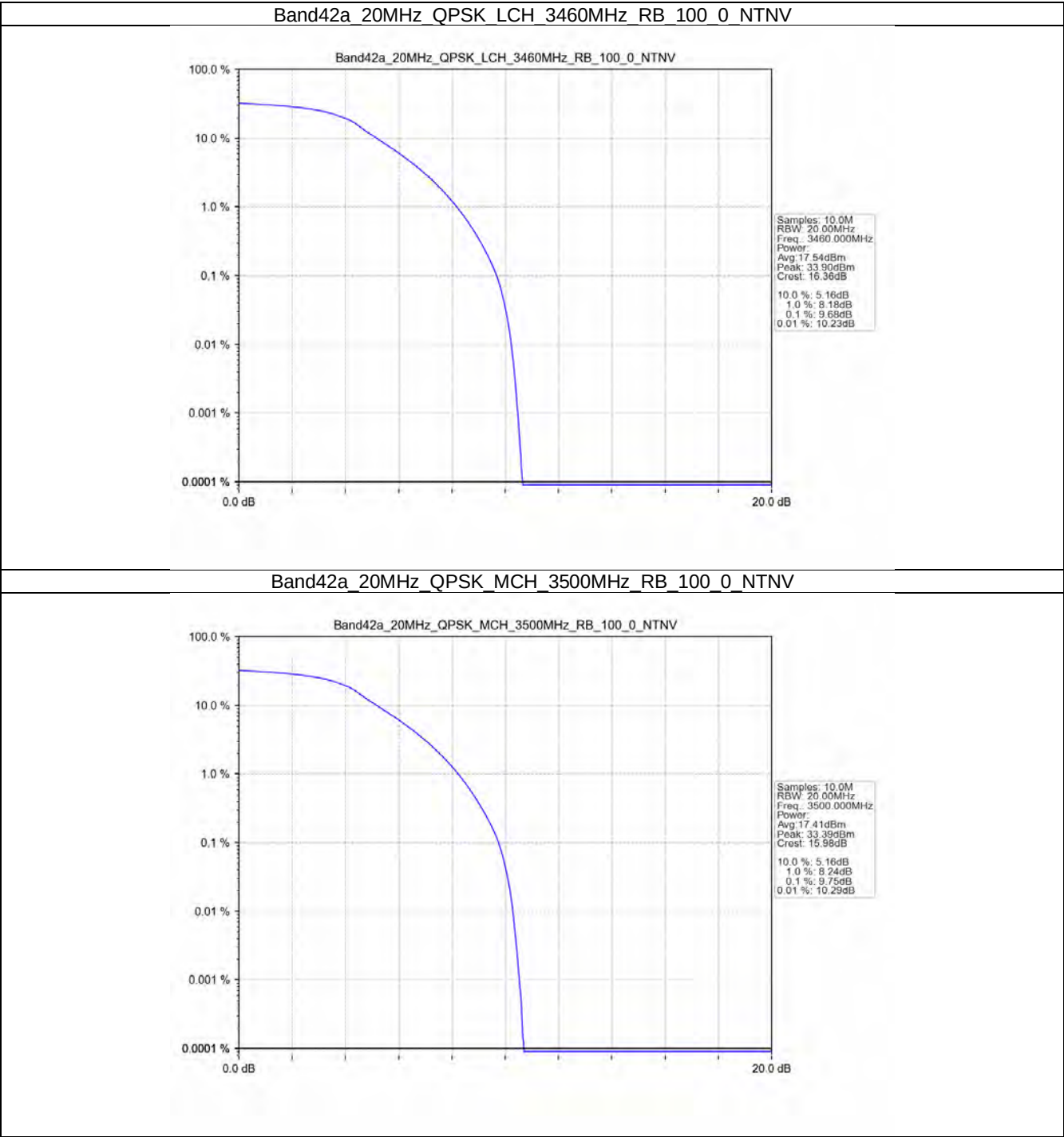
4.1 Test Result

4.1.1 B42a_20MHz

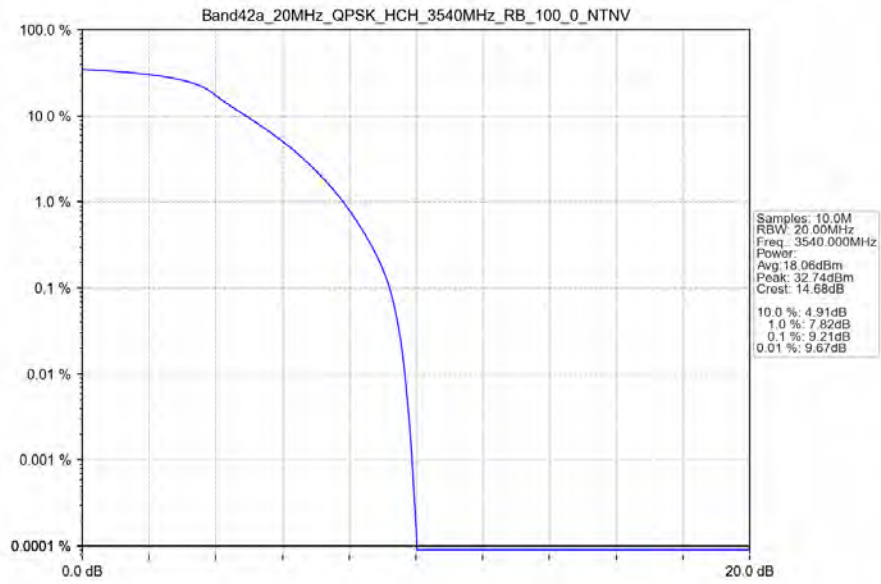
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	100	0	9.68	<=13	Pass
	3500	100	0	9.75	<=13	Pass
	3540	100	0	9.21	<=13	Pass
16QAM	3460	100	0	10.16	<=13	Pass
	3500	100	0	10.19	<=13	Pass
	3540	100	0	9.96	<=13	Pass
64QAM	3460	100	0	10.00	<=13	Pass
	3500	100	0	9.95	<=13	Pass
	3540	100	0	10.06	<=13	Pass

4.2 Test Graph

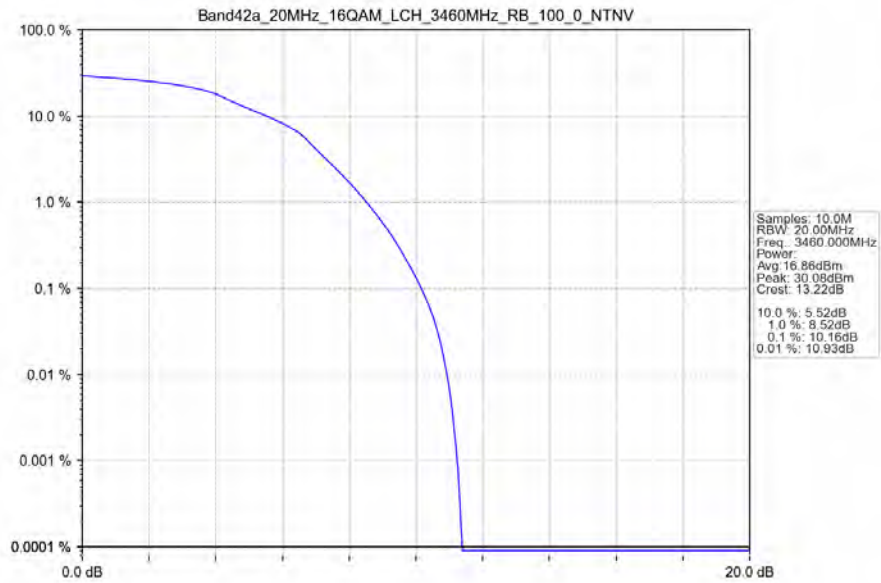
4.2.1 B42a_20MHz



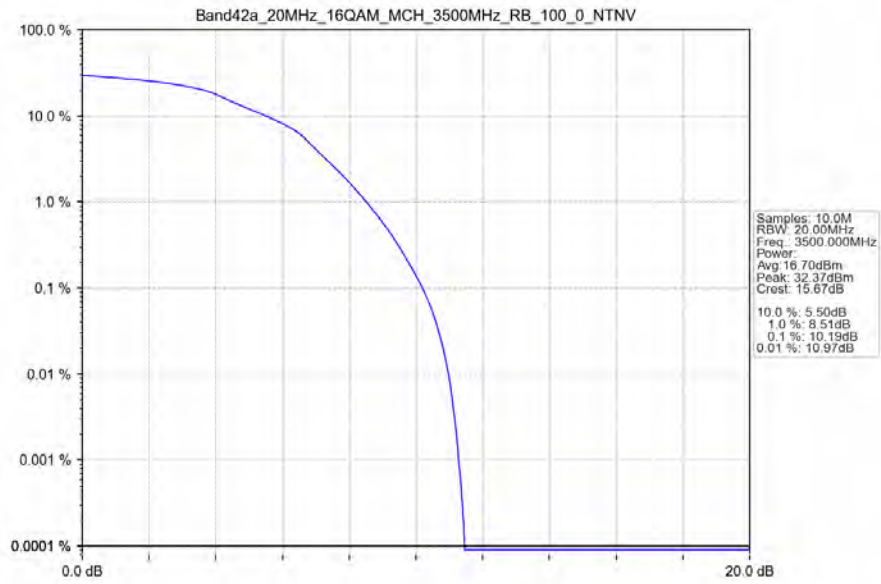
Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



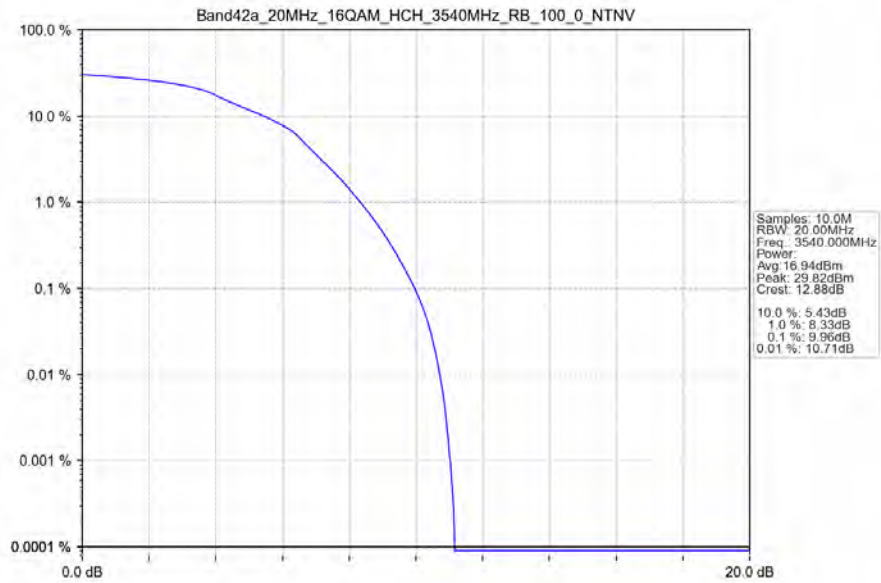
Band42a_20MHz_16QAM_LCH_3460MHz_RB_100_0_NTNV



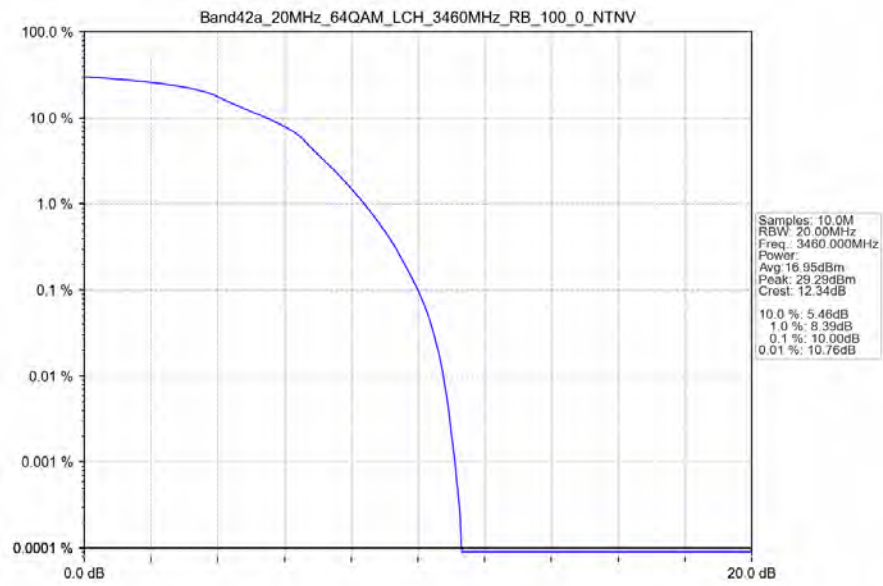
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



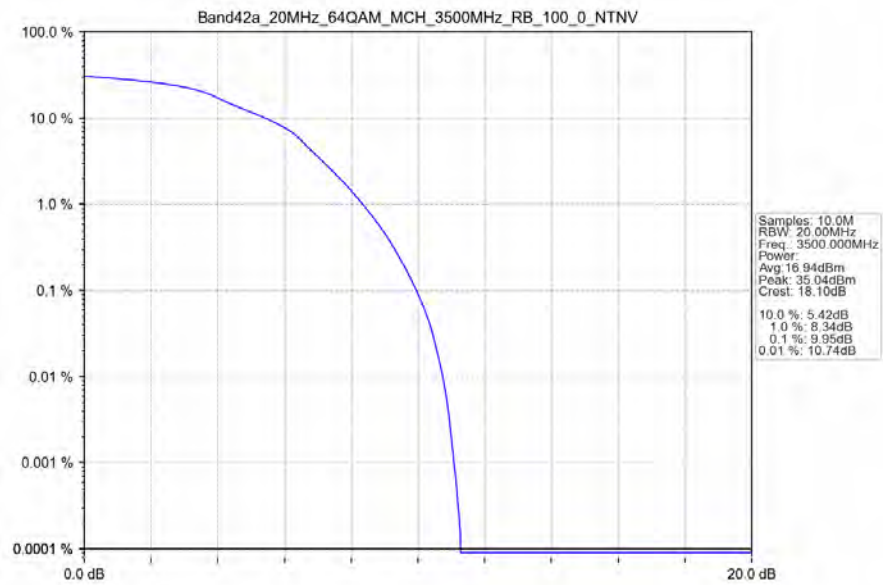
Band42a_20MHz_16QAM_HCH_3540MHz_RB_100_0_NTNV



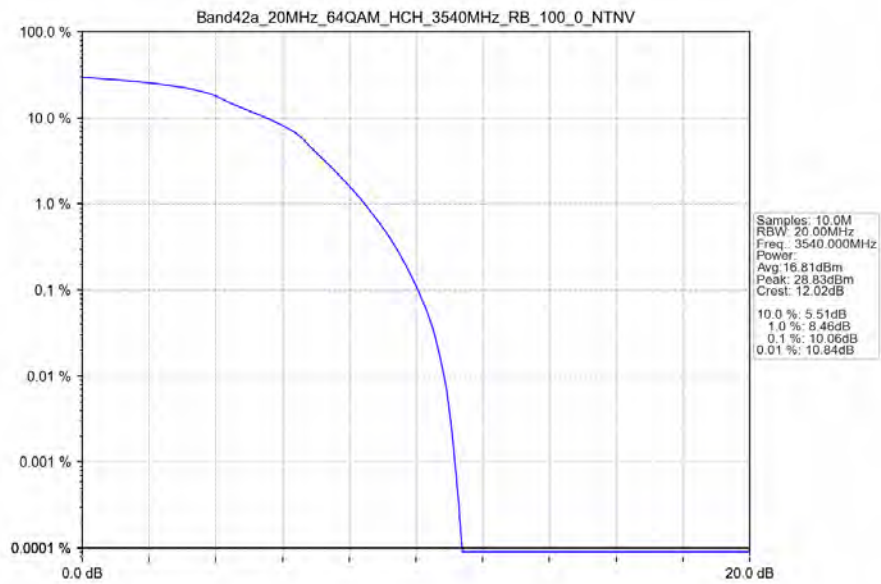
Band42a_20MHz_64QAM_LCH_3460MHz_RB_100_0_NTNV



Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_64QAM_HCH_3540MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B42a_5MHz

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

5.1.2 B42a_10MHz

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

5.1.3 B42a_15MHz

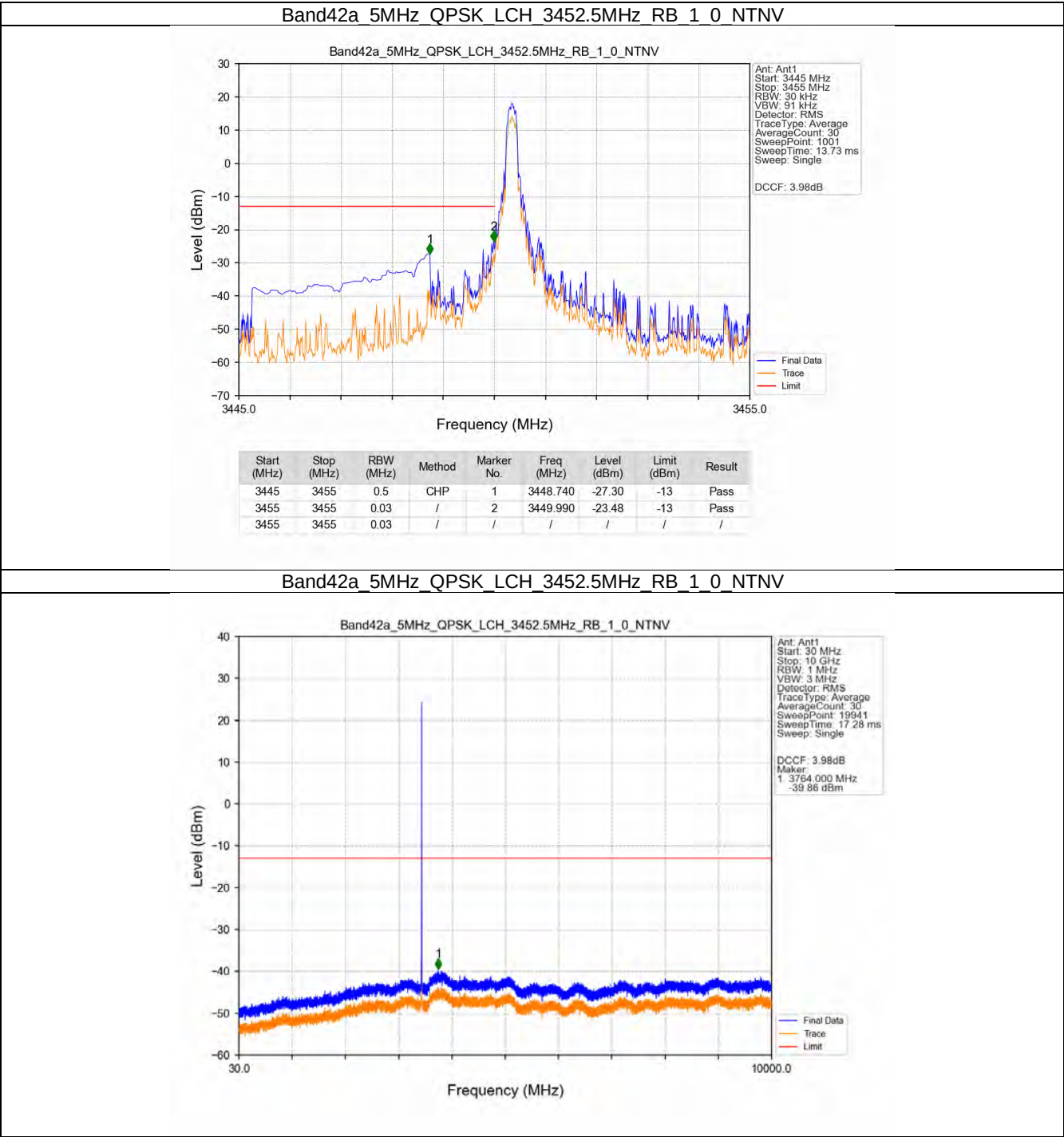
Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3542.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B42a_20MHz

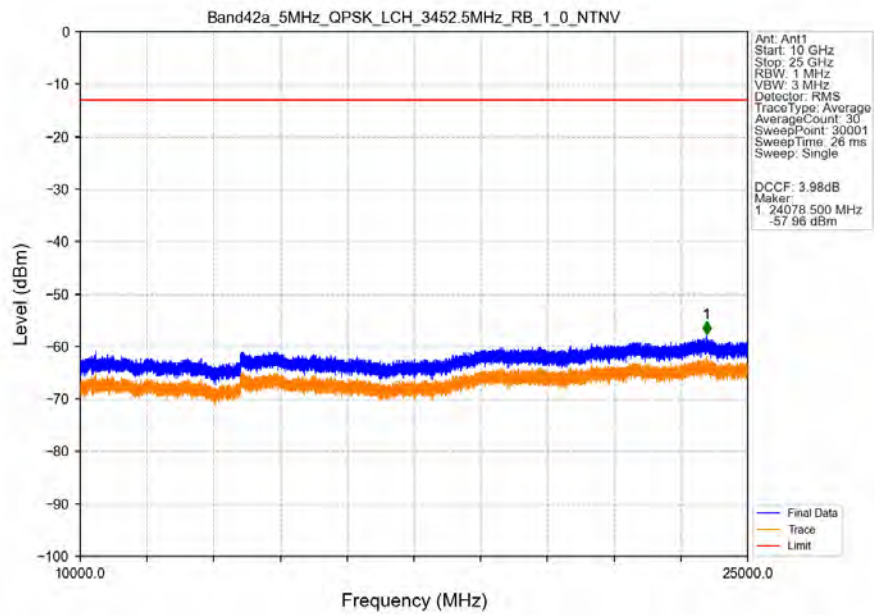
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

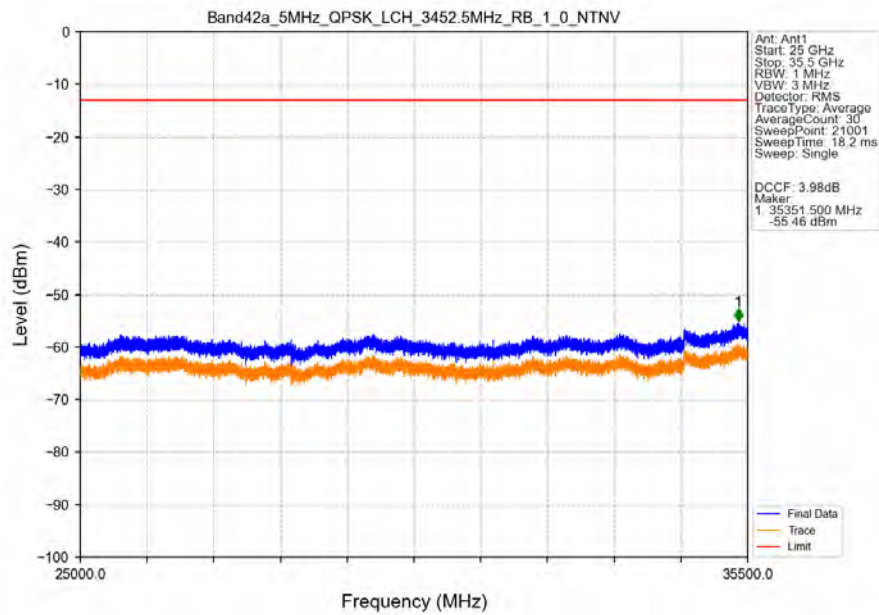
5.2.1 B42a_5MHz



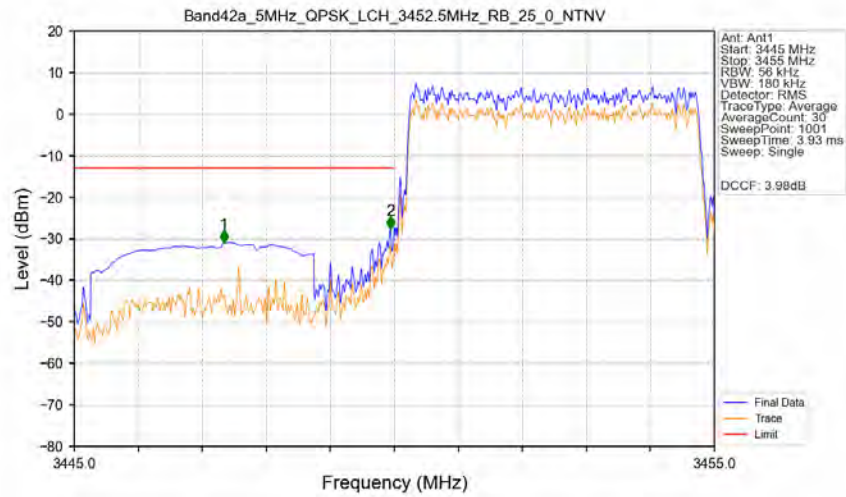
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV

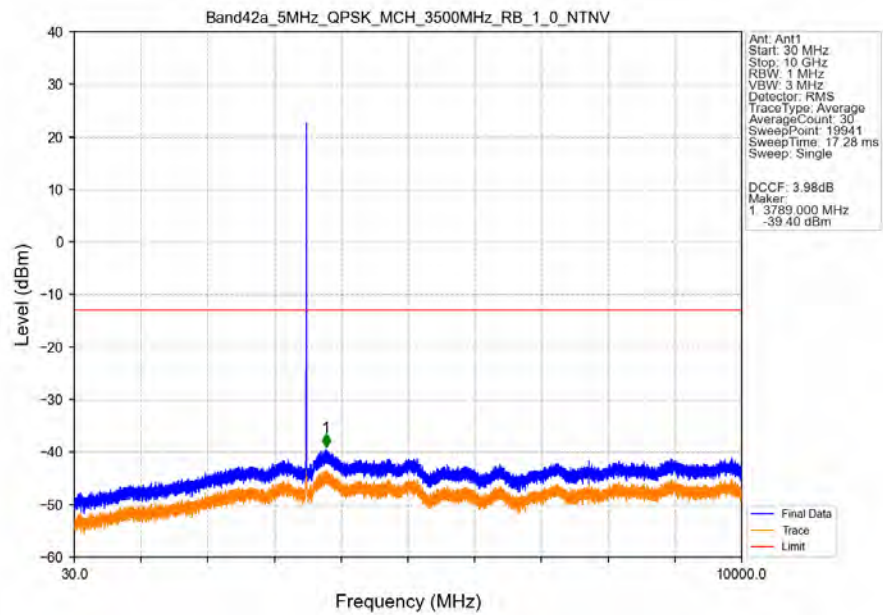


Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV

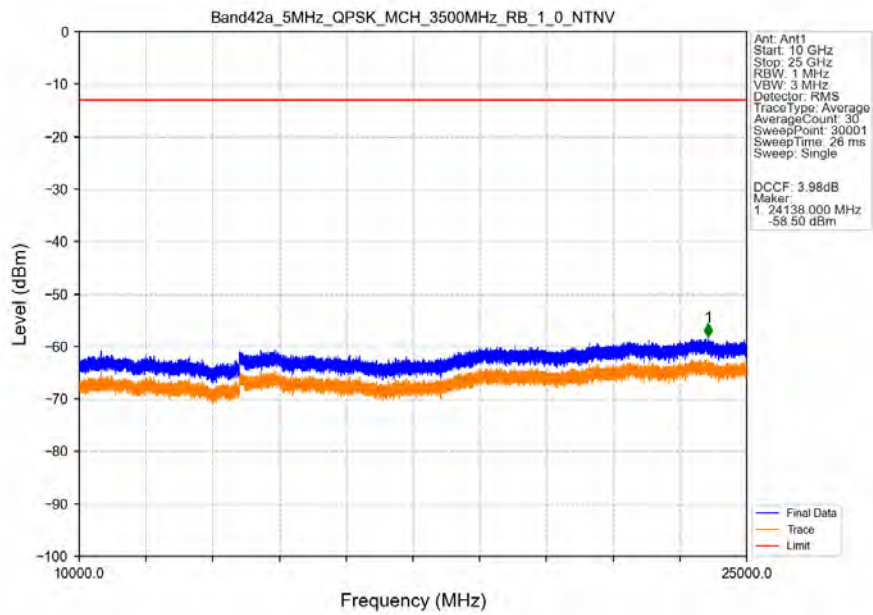


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3455	0.5	CHP	1	3447.340	-30.87	-13	Pass
3455	3455	0.056	/	2	3449.940	-27.71	-13	Pass
3455	3455	0.056	/	/	/	/	/	/

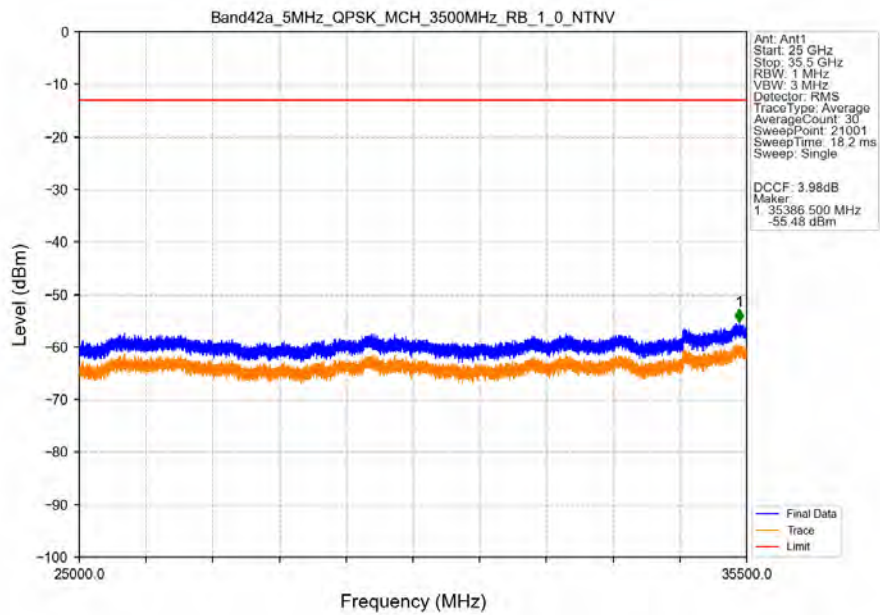
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



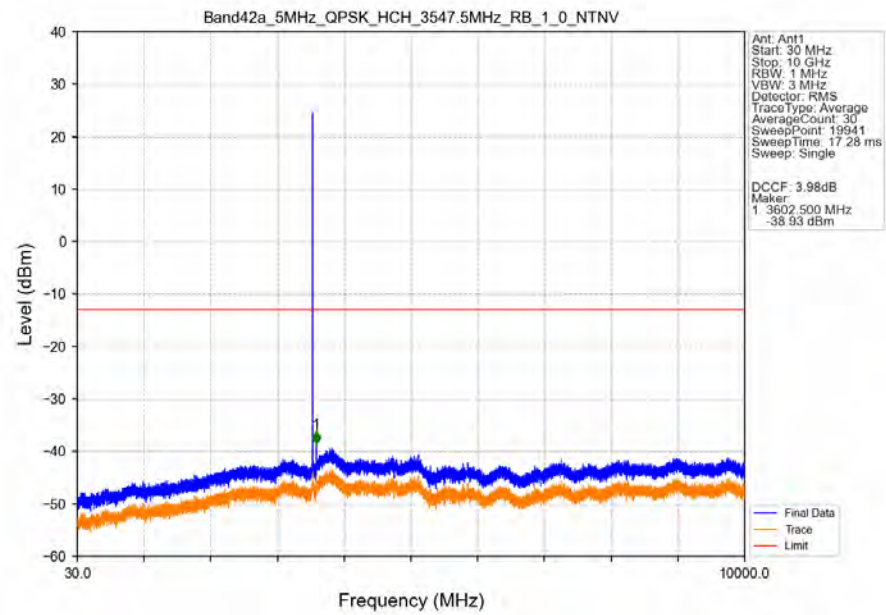
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



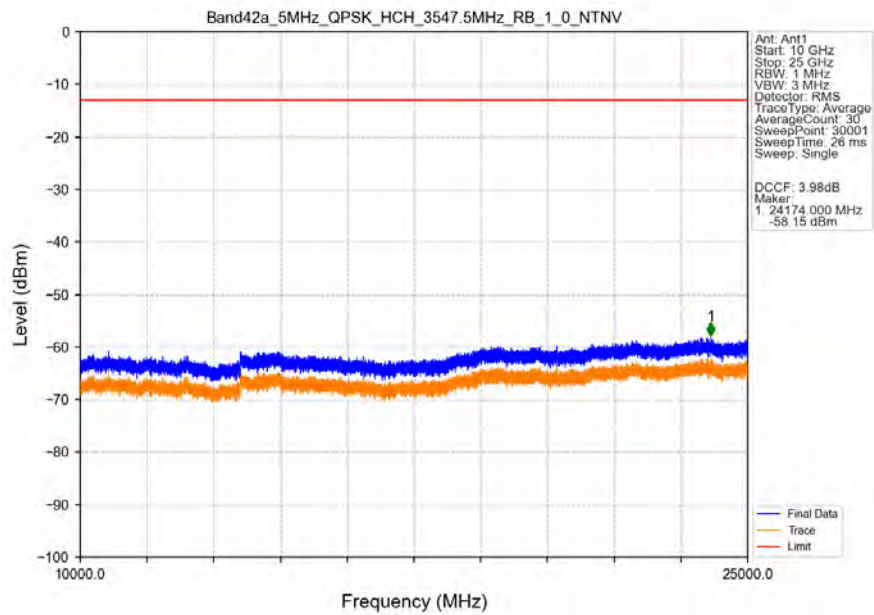
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



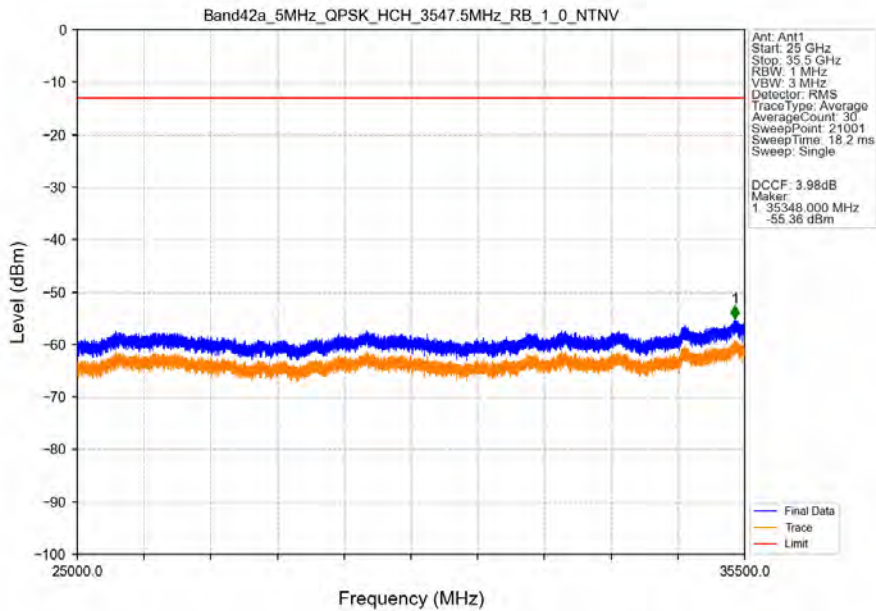
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



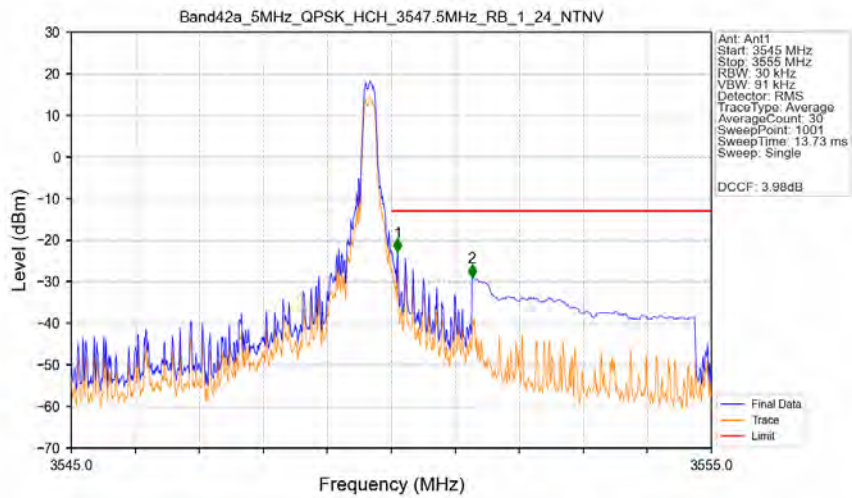
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV

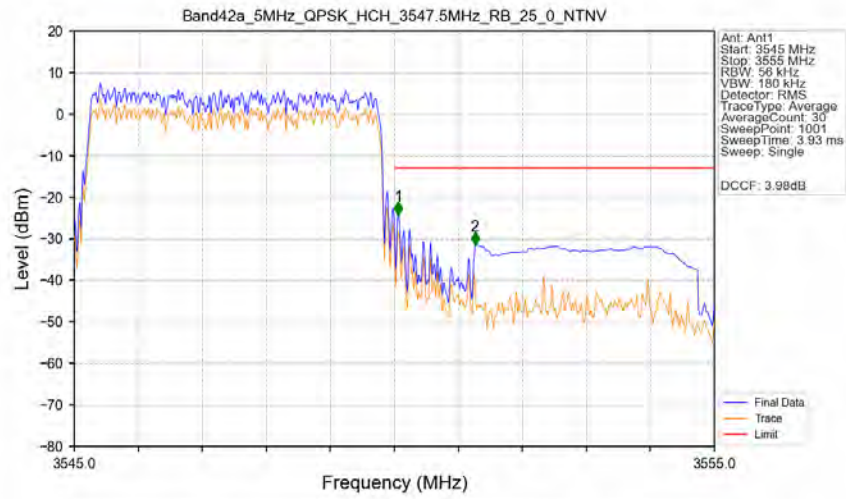


Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_24_NTNV



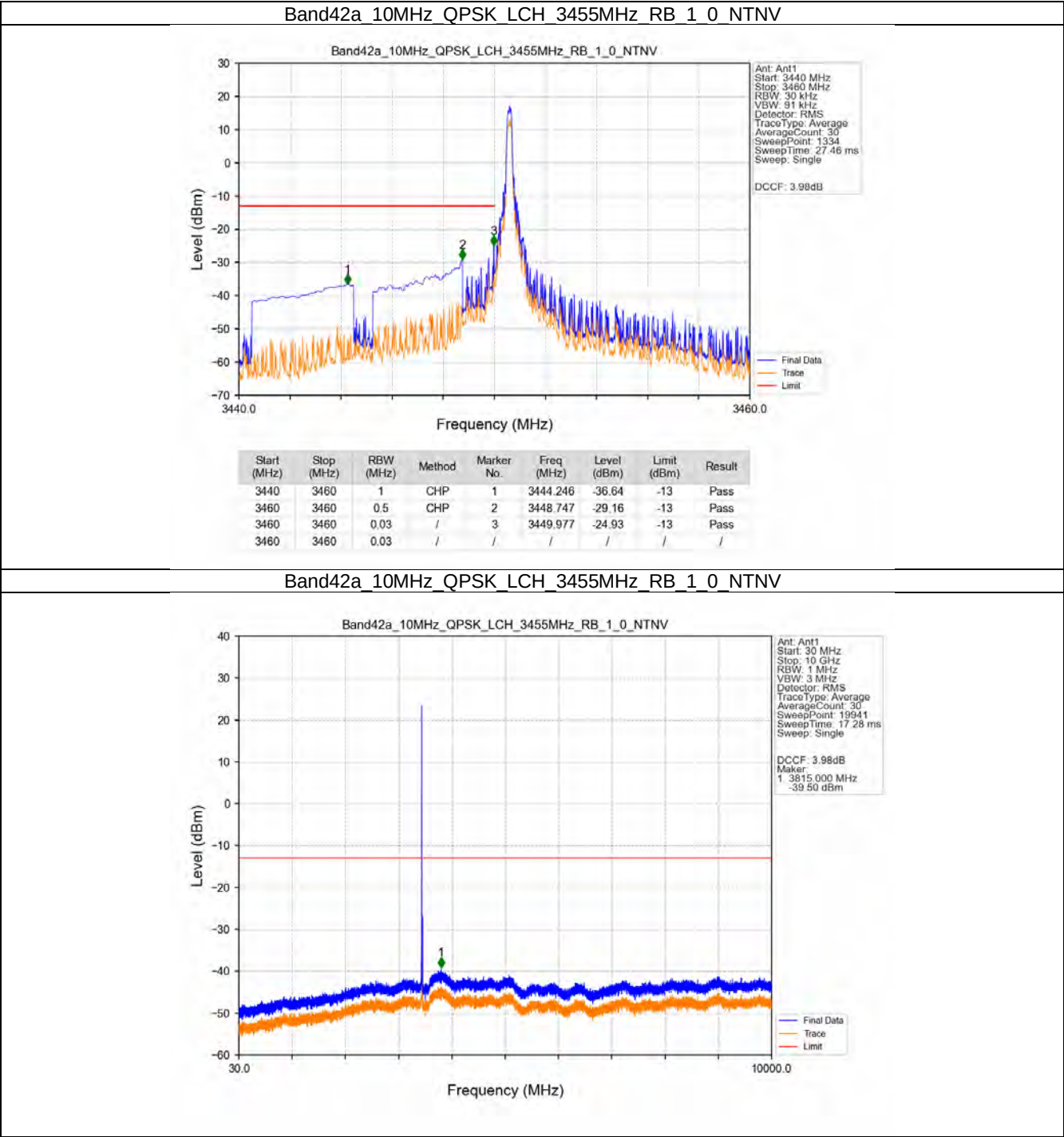
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3545	3550	0.03	/	/	/	/	/	/
3550	3555	0.03	/	1	3550.100	-22.76	-13	Pass
3555	3555	0.5	CHP	2	3551.260	-28.87	-13	Pass

Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV

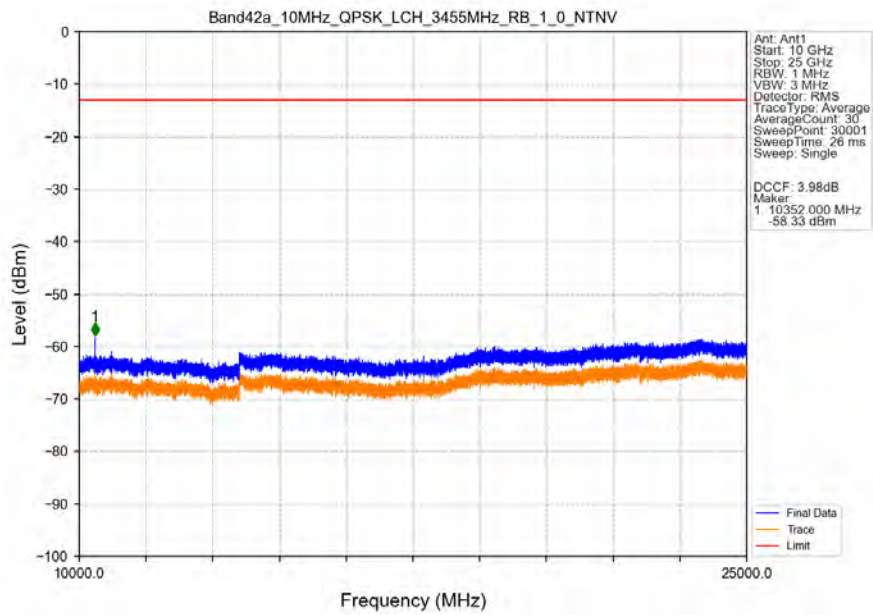


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3545	3550	0.056	/	/	/	/	/	/
3550	3555	0.056	/	1	3550.060	-24.18	-13	Pass
3555	3555	0.5	CHP	2	3551.260	-31.42	-13	Pass

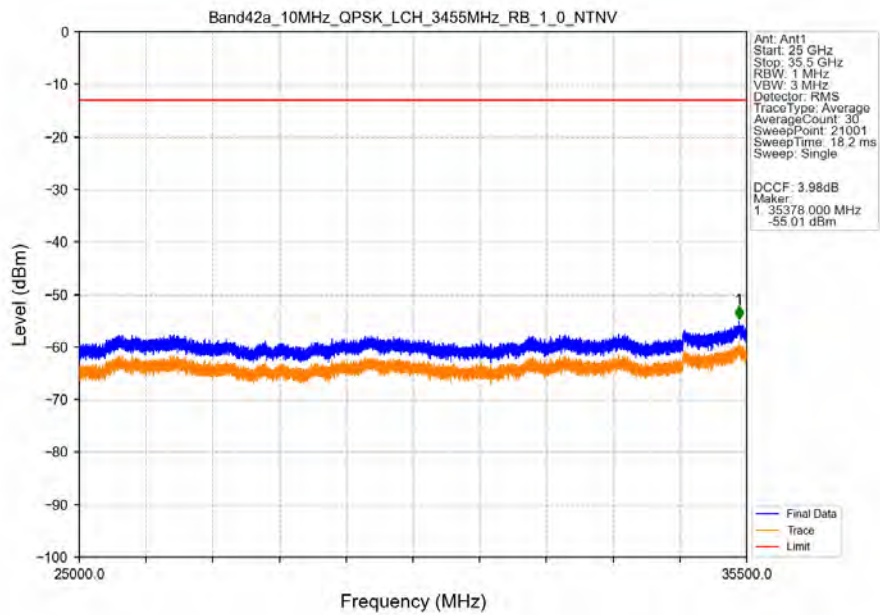
5.2.2 B42a_10MHz



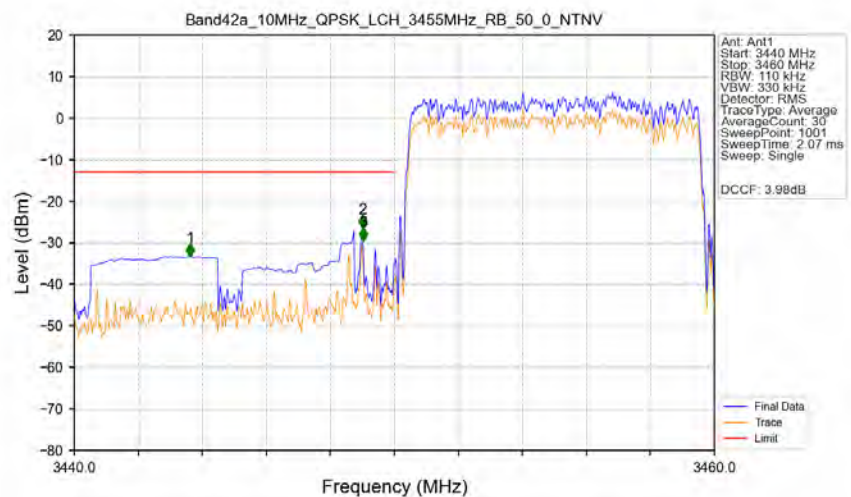
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

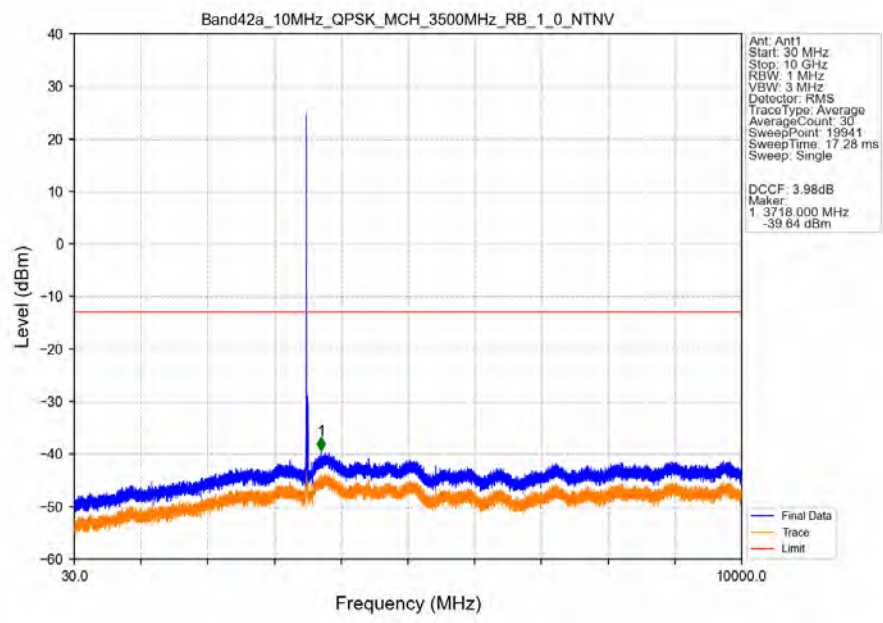


Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV

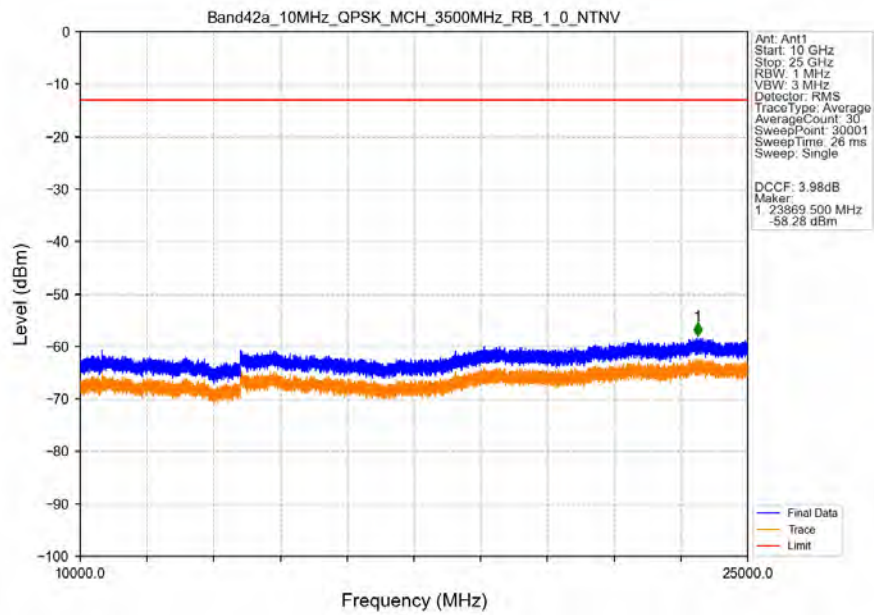


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3440	3460	1	CHP	1	3443.620	-33.33	-13	Pass
3460	3460	0.5	CHP	2	3449.000	-26.37	-13	Pass
3460	3460	0.11	/	3	3449.020	-29.43	-13	Pass
3460	3460	0.11	/	/	/	/	/	/

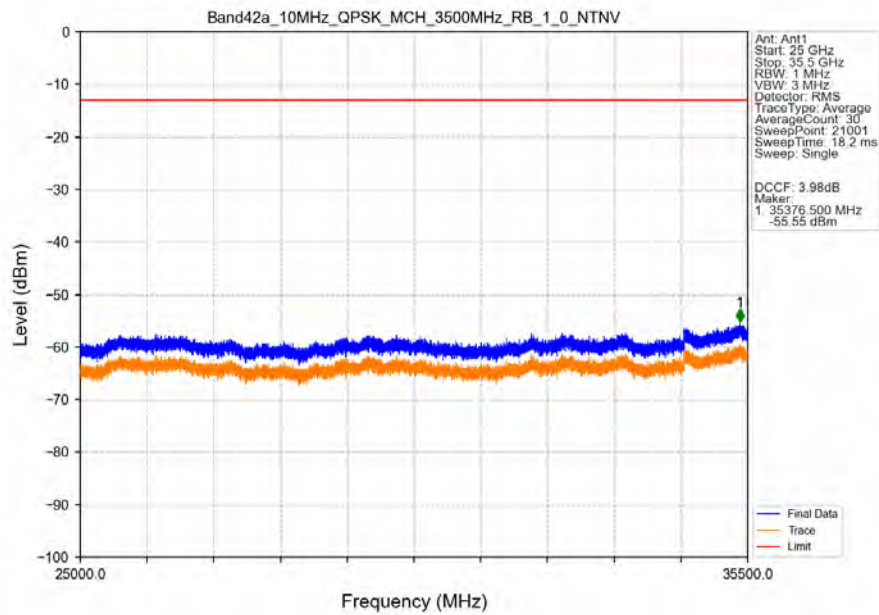
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



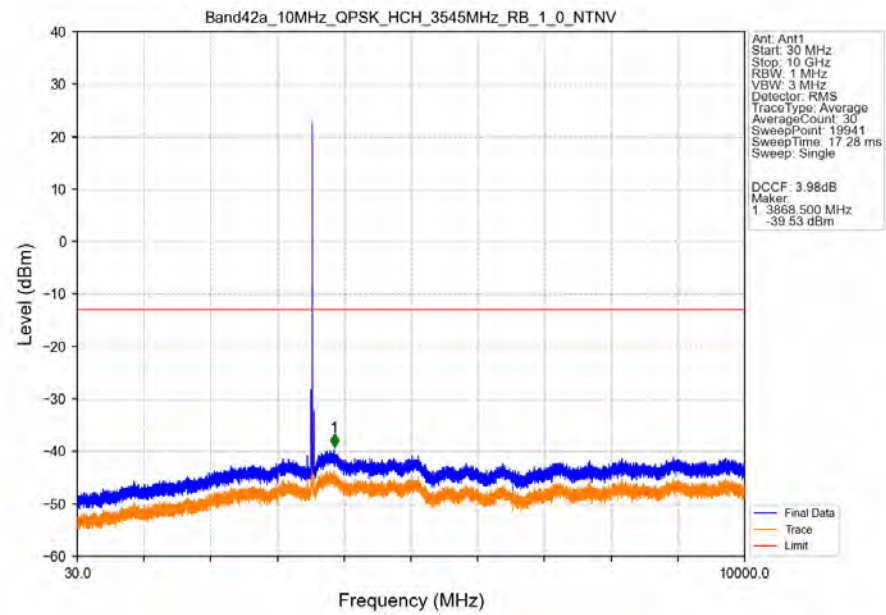
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



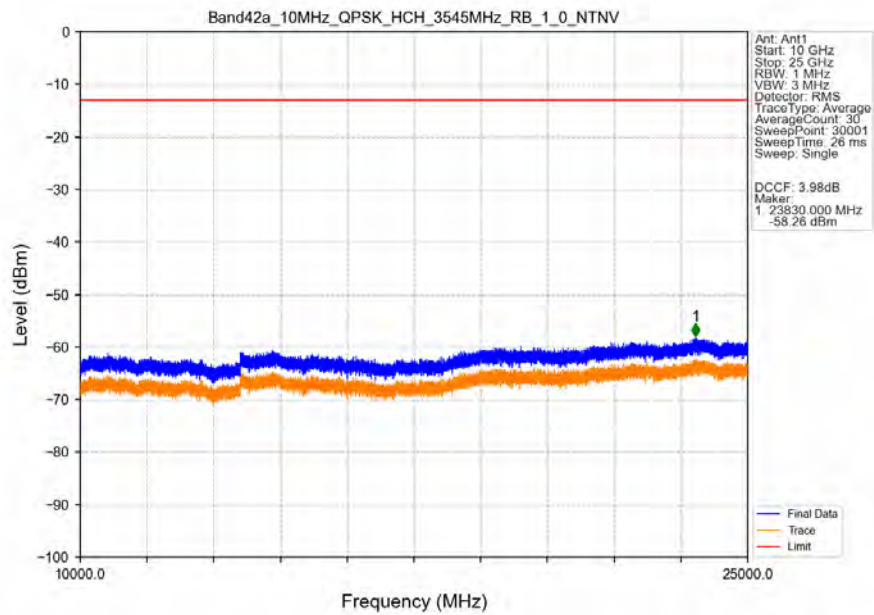
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



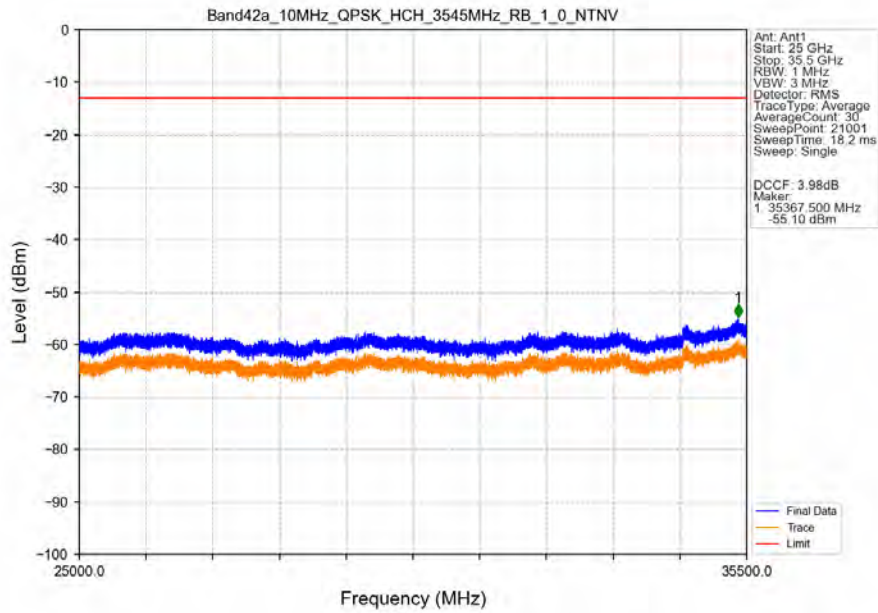
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



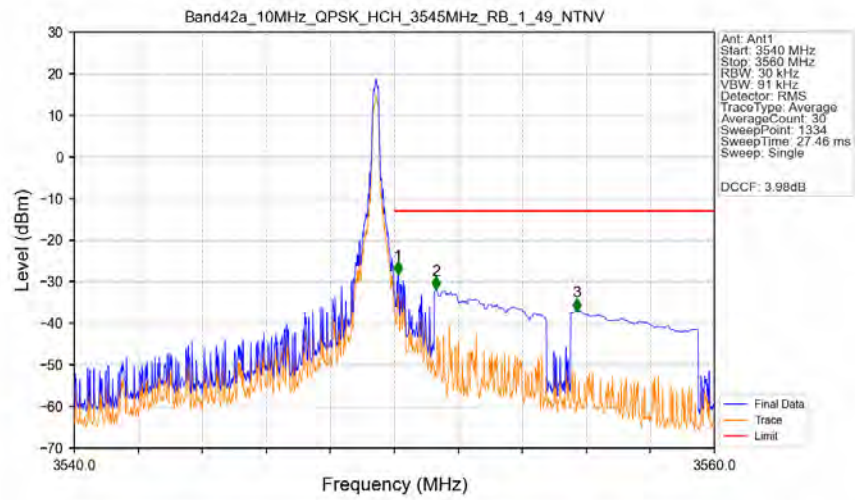
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV

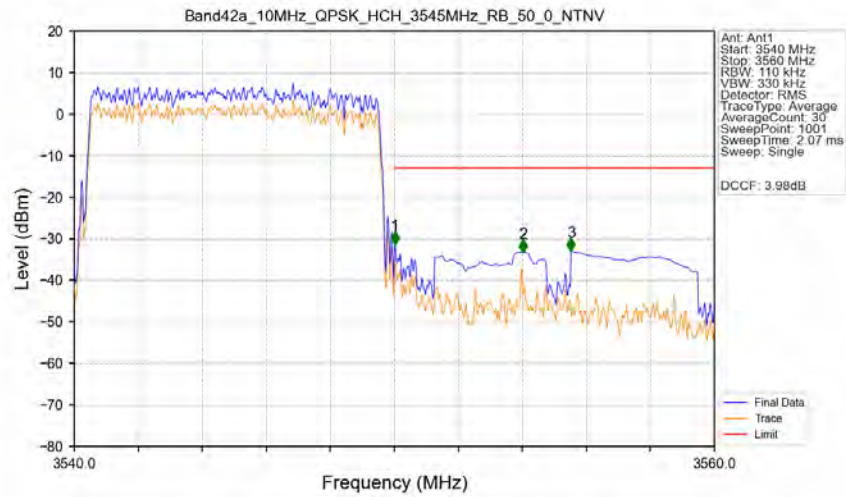


Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_49_NTNV



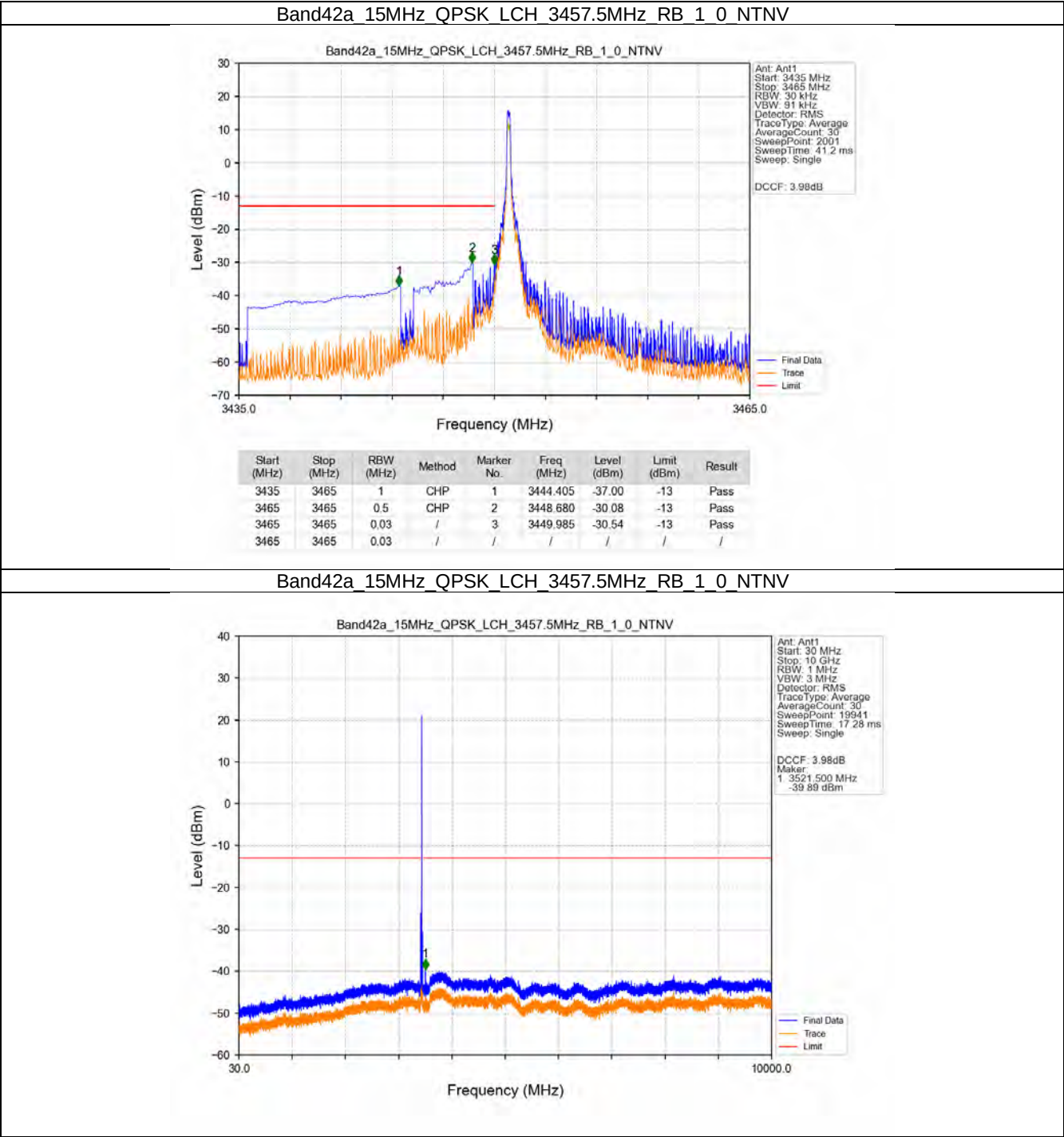
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3540	3550	0.03	/	/	/	/	/	/
3550	3560	0.03	/	1	3550.113	-28.26	-13	Pass
3560	3560	0.5	CHP	2	3551.298	-31.89	-13	Pass
3560	3560	1	CHP	3	3555.694	-37.07	-13	Pass

Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV

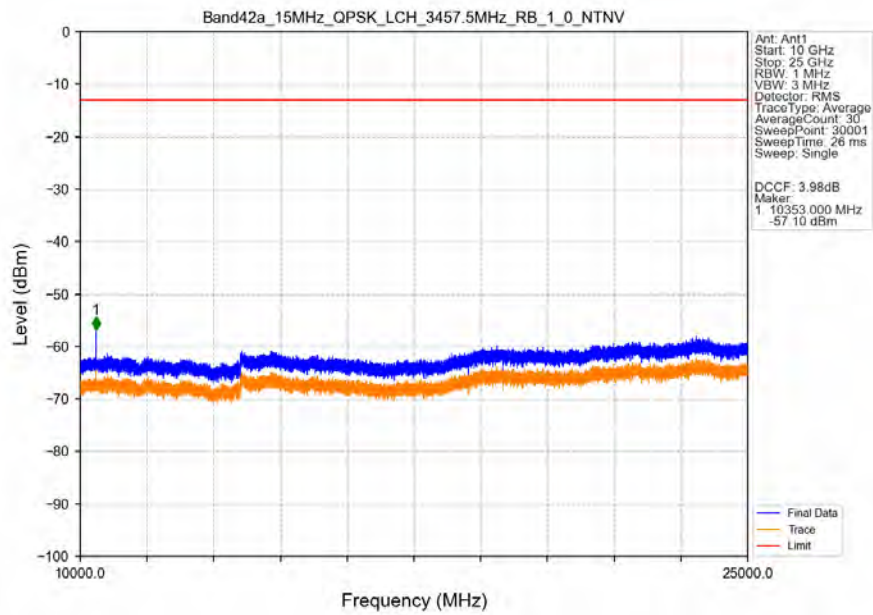


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3540	3550	0.11	/	/	/	/	/	/
3550	3560	0.11	/	1	3550.020	-31.39	-13	Pass
3560	3560	0.5	CHP	2	3554.020	-33.23	-13	Pass
3560	3560	1	CHP	3	3555.520	-32.99	-13	Pass

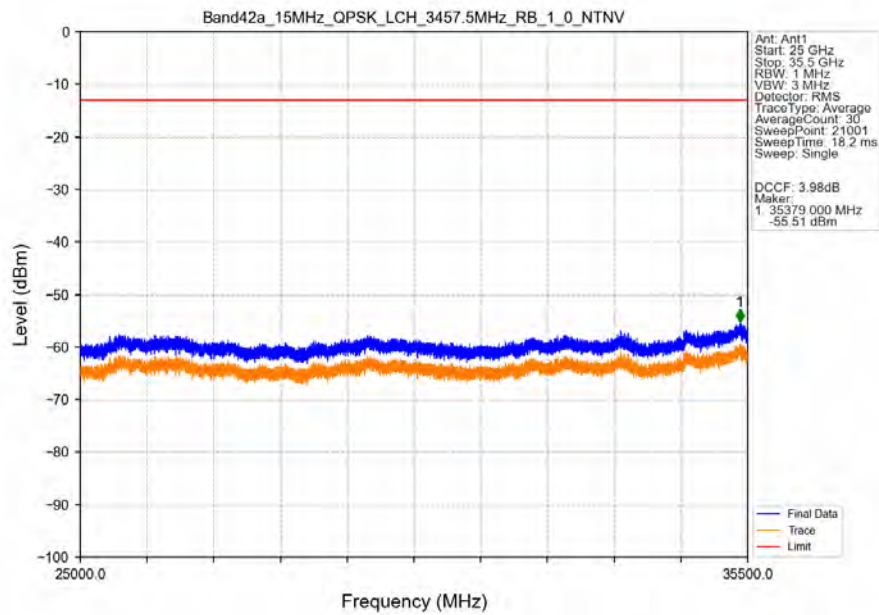
5.2.3 B42a_15MHz



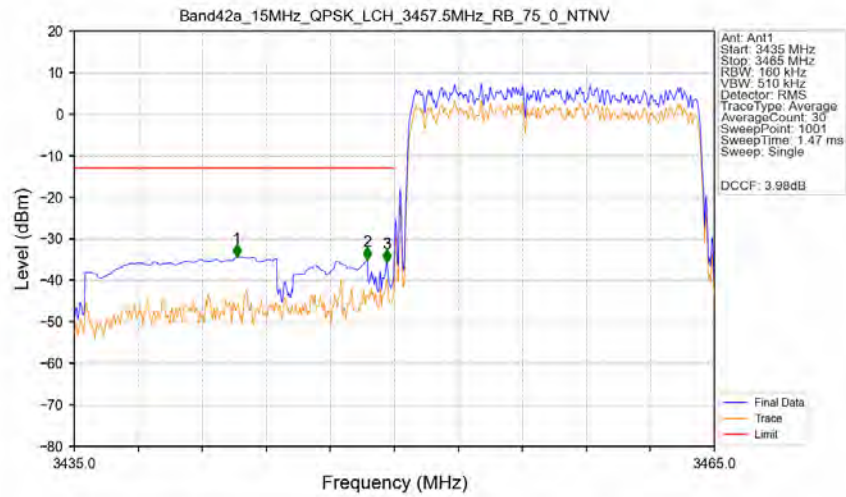
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV

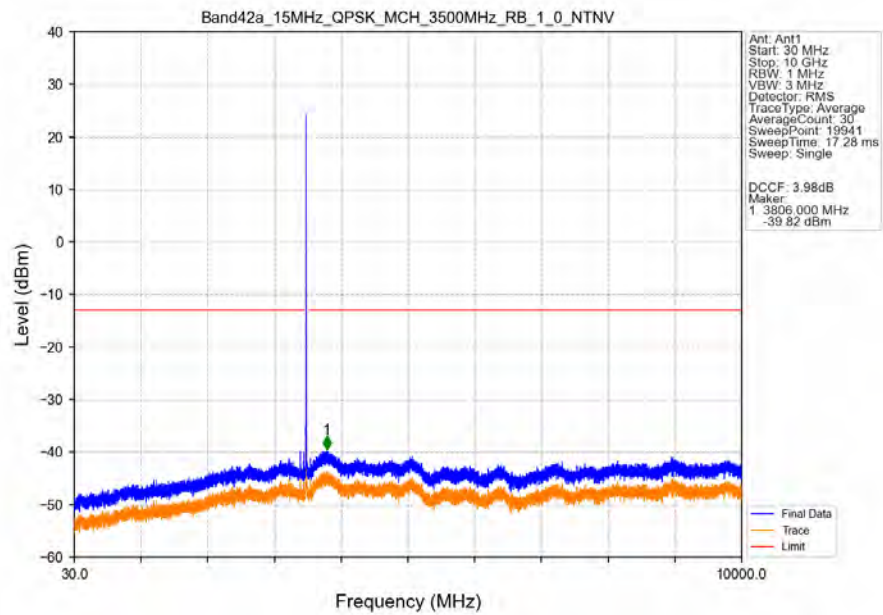


Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV

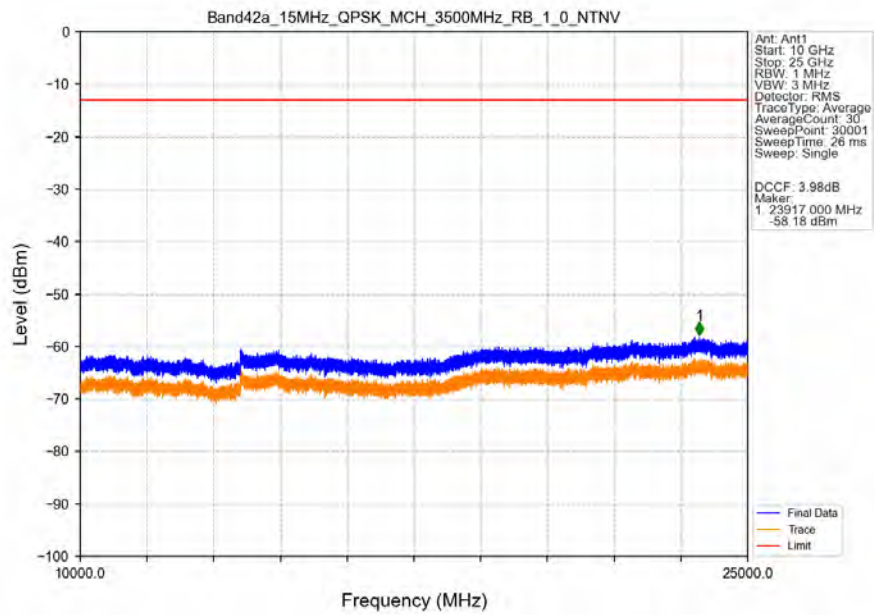


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3465	1	CHP	1	3442.620	-34.38	-13	Pass
3465	3465	0.5	CHP	2	3448.740	-35.16	-13	Pass
3465	3465	0.16	/	3	3449.640	-35.70	-13	Pass
3465	3465	0.16	/	/	/	/	/	/

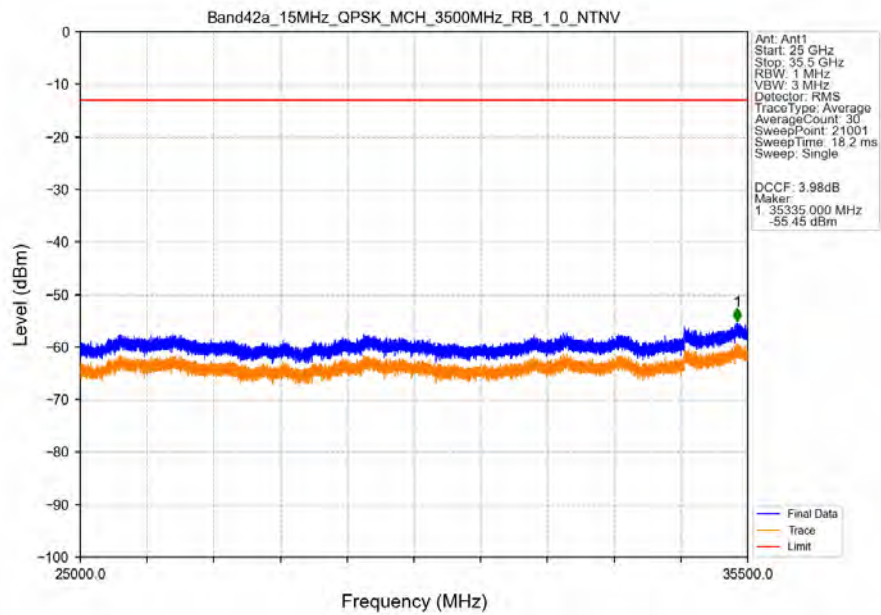
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



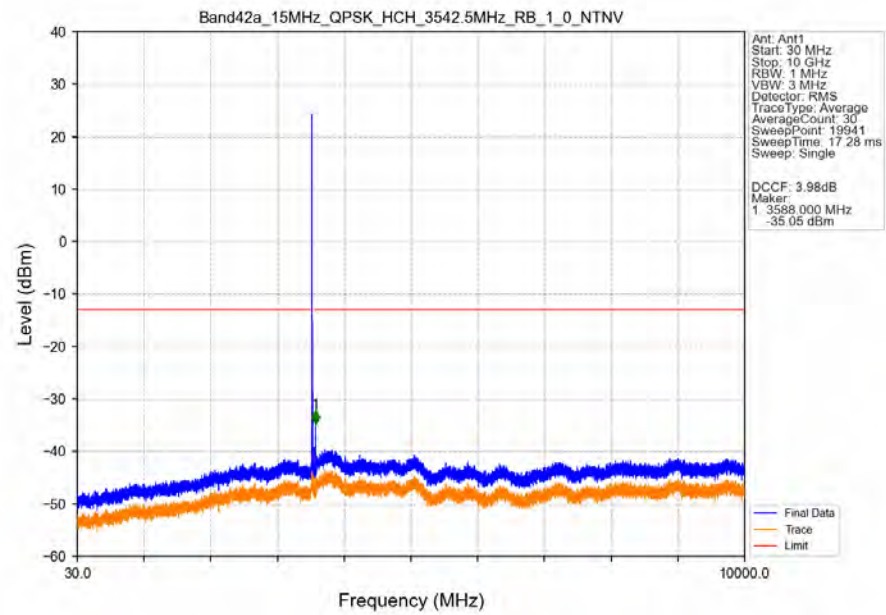
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



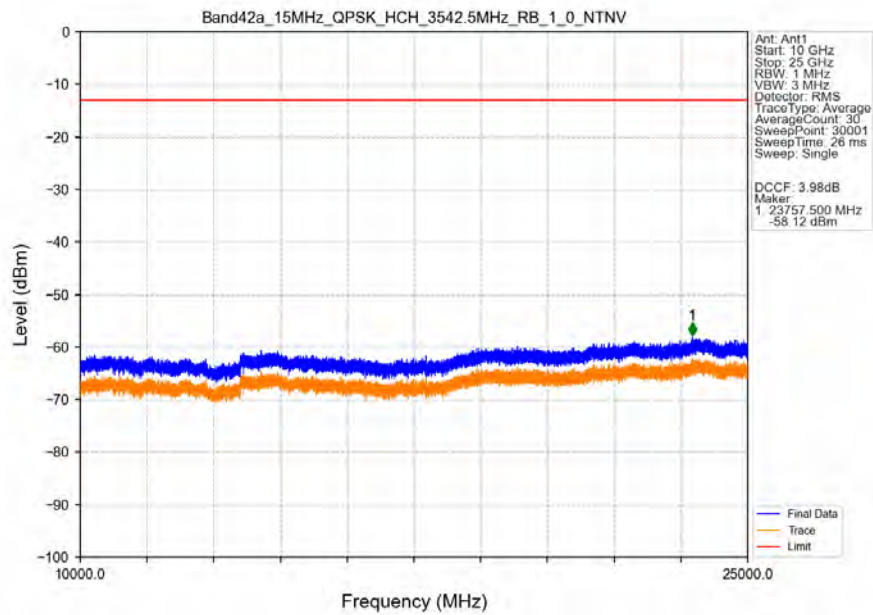
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



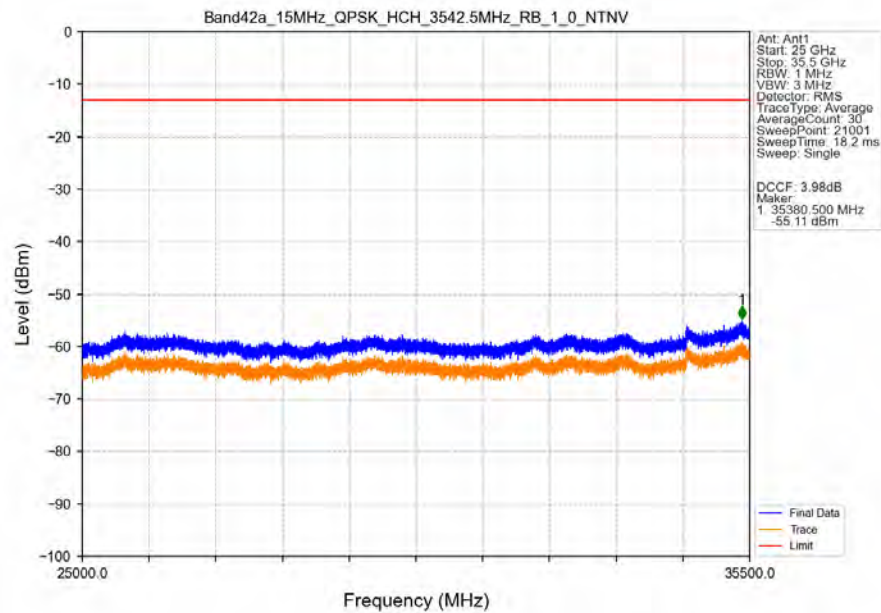
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



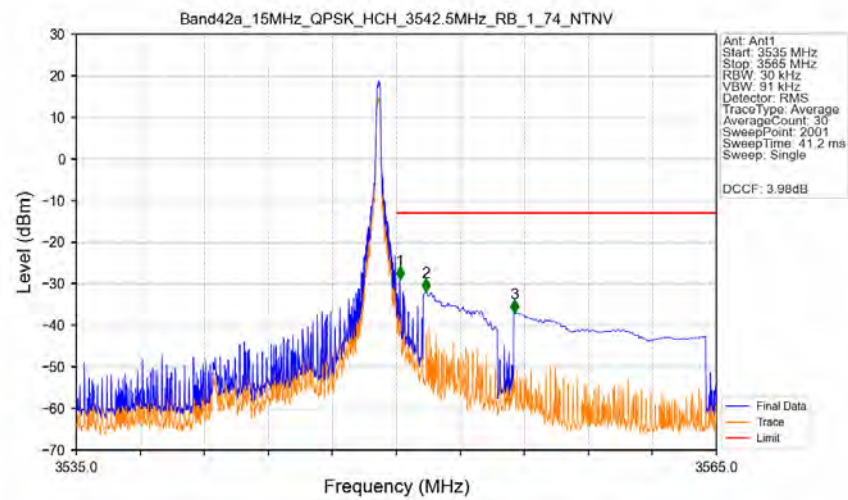
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV

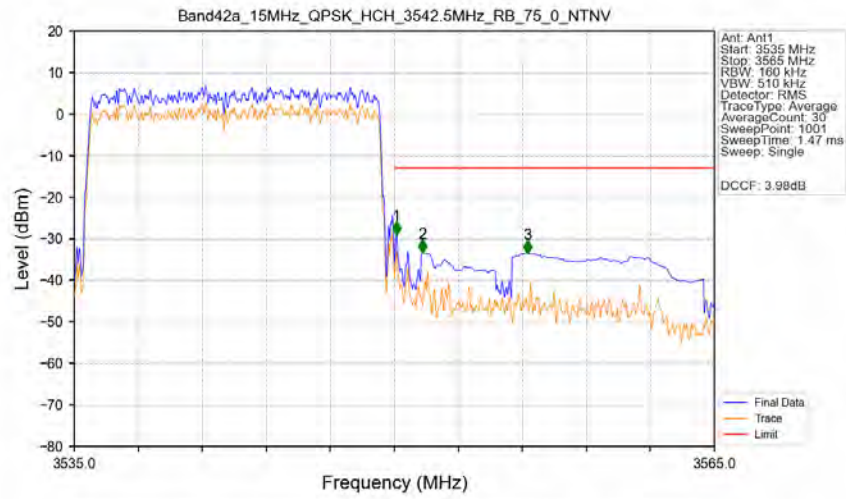


Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_74_NTNV



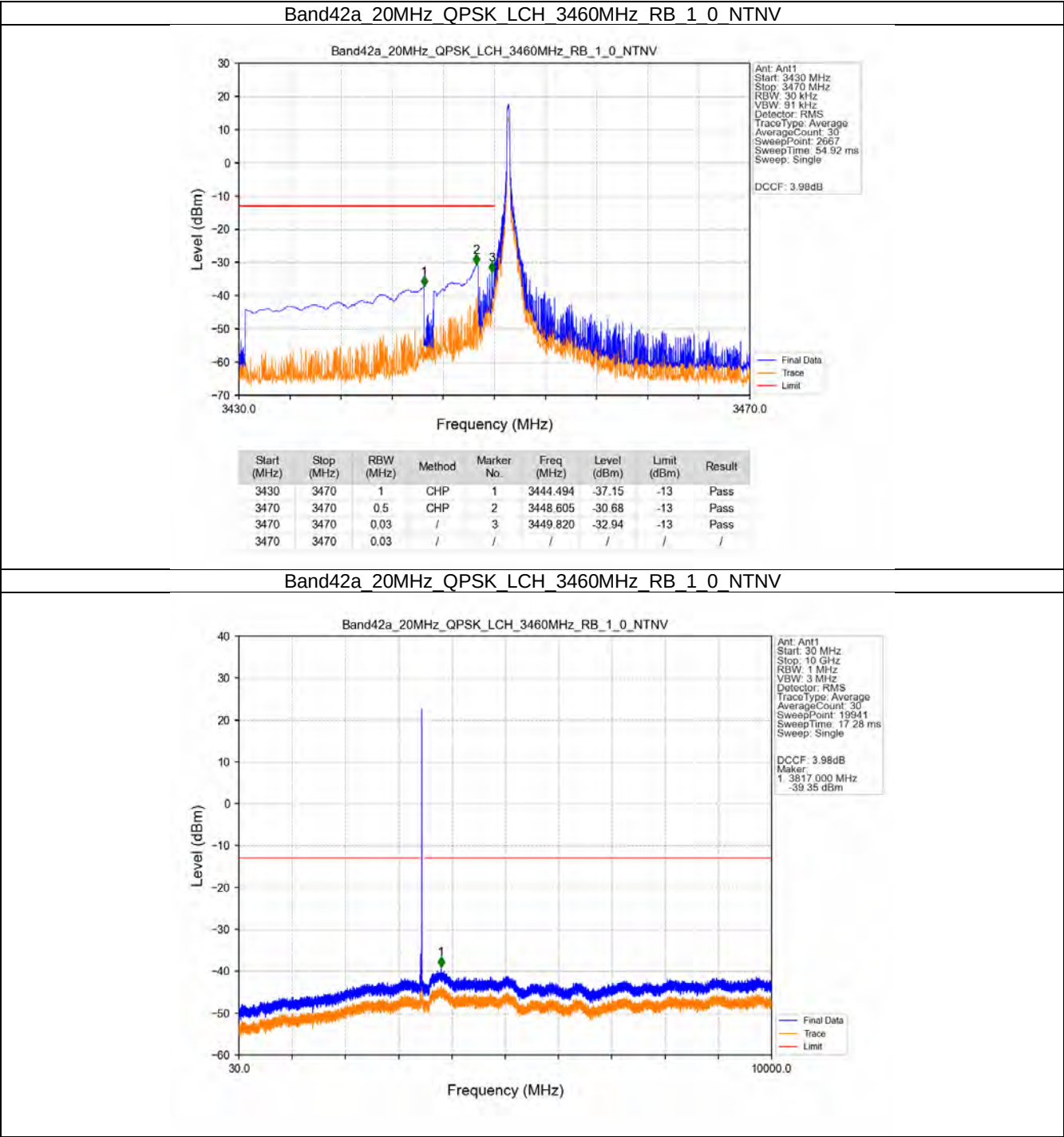
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3535	3550	0.03	/	/	/	/	/	/
3550	3565	0.03	/	1	3550.165	-29.05	-13	Pass
3565	3565	0.5	CHP	2	3551.395	-31.91	-13	Pass
3565	3565	1	CHP	3	3555.535	-36.94	-13	Pass

Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV

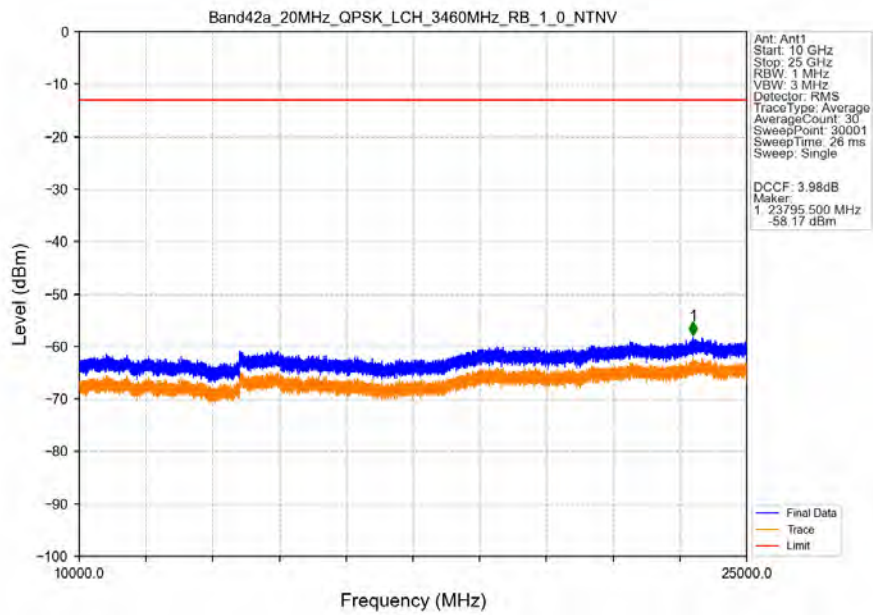


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3535	3550	0.16	/	/	/	/	/	/
3550	3565	0.16	/	1	3550.090	-28.92	-13	Pass
3565	3565	0.5	CHP	2	3551.320	-33.36	-13	Pass
3565	3565	1	CHP	3	3556.240	-33.42	-13	Pass

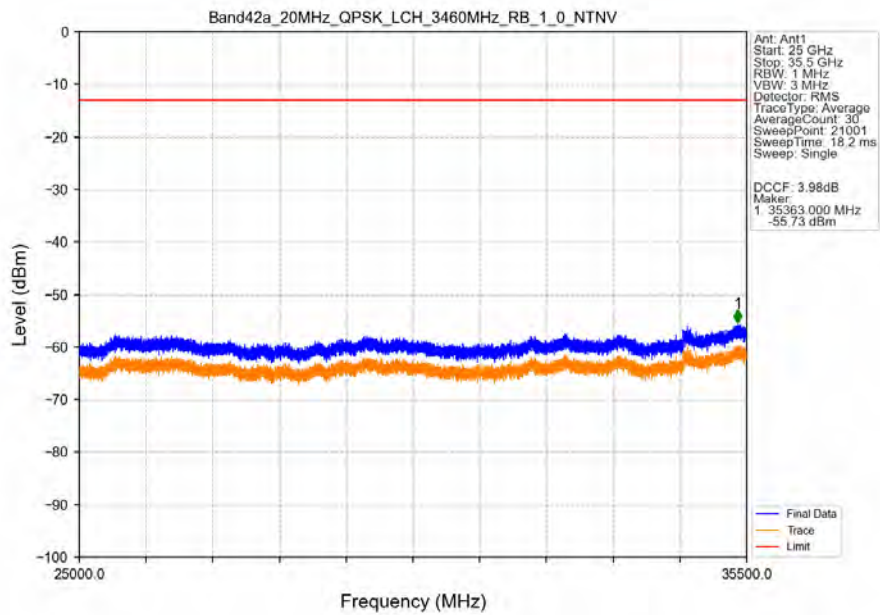
5.2.4 B42a_20MHz



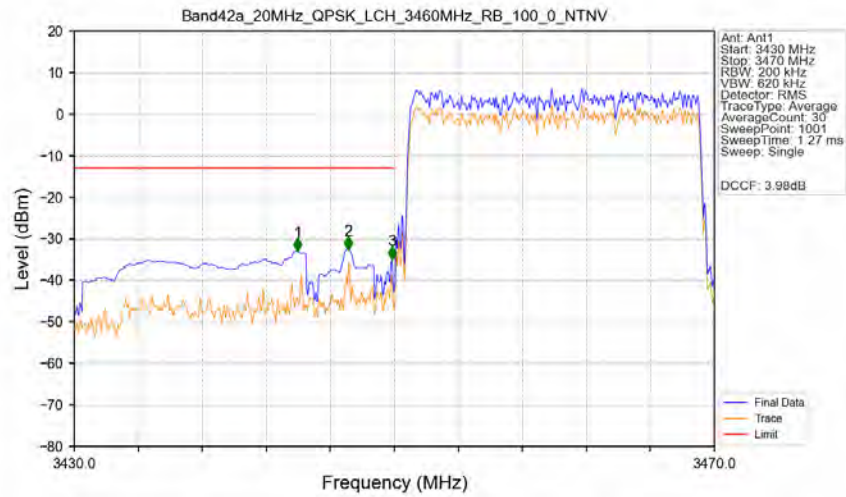
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV

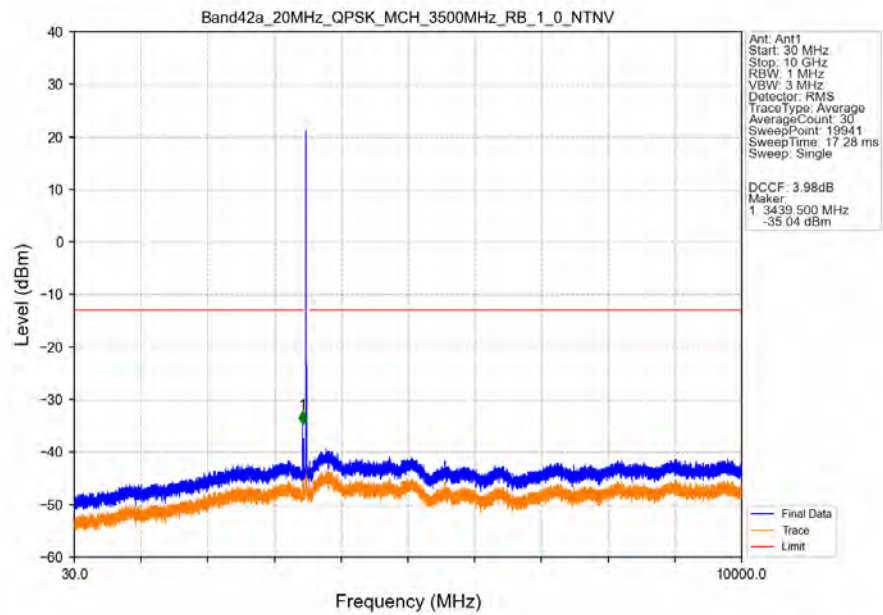


Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV

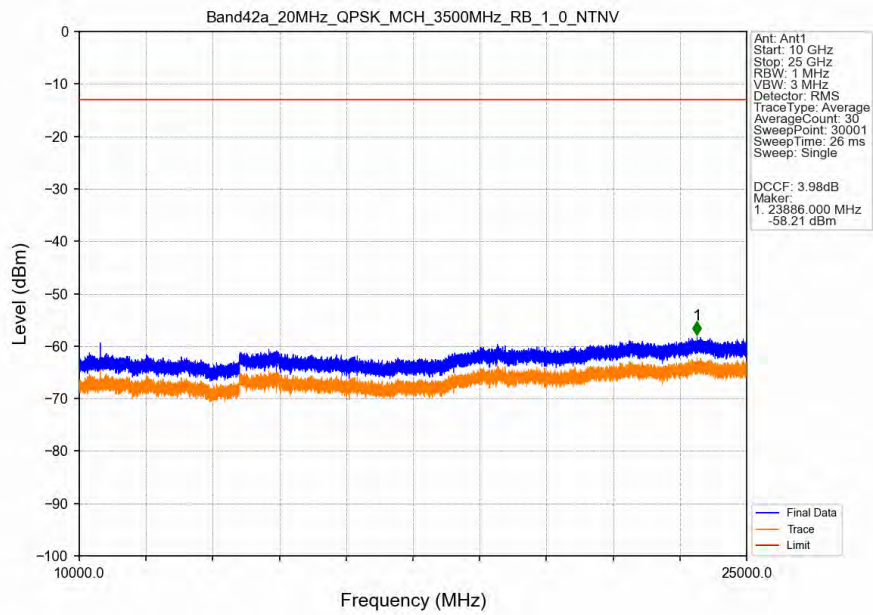


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3430	3470	1	CHP	1	3443.960	-33.03	-13	Pass
3470	3470	0.5	CHP	2	3447.120	-32.50	-13	Pass
3470	3470	0.2	/	3	3449.840	-34.91	-13	Pass
3470	3470	0.2	/	/	/	/	/	/

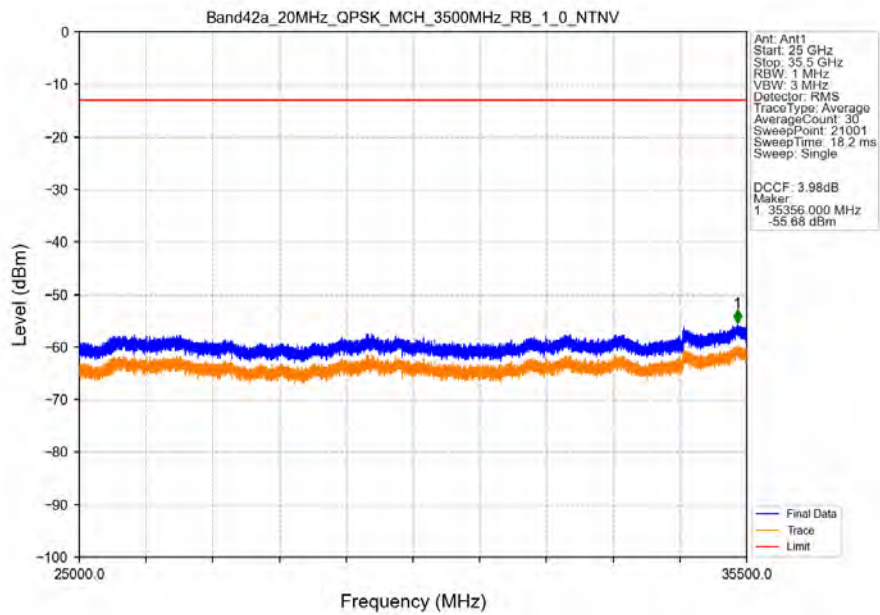
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



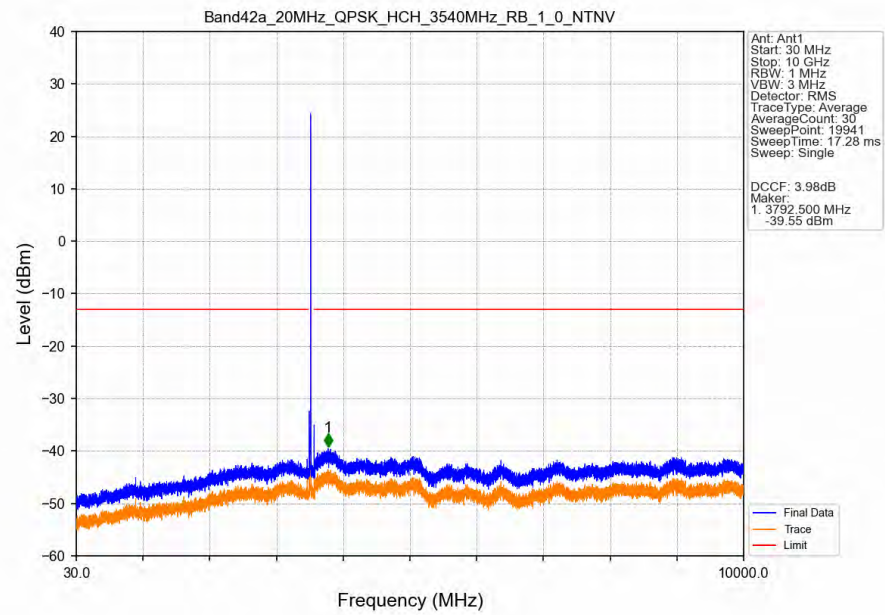
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



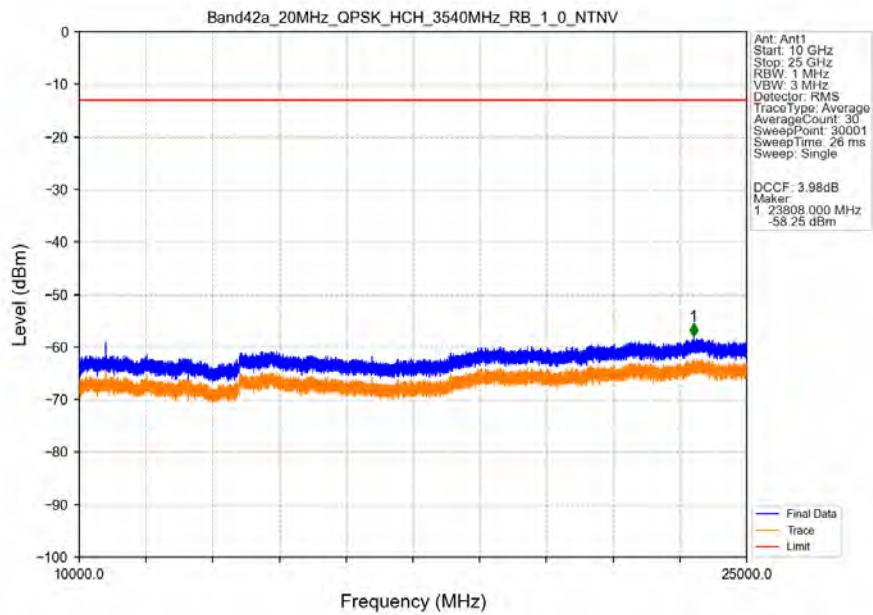
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



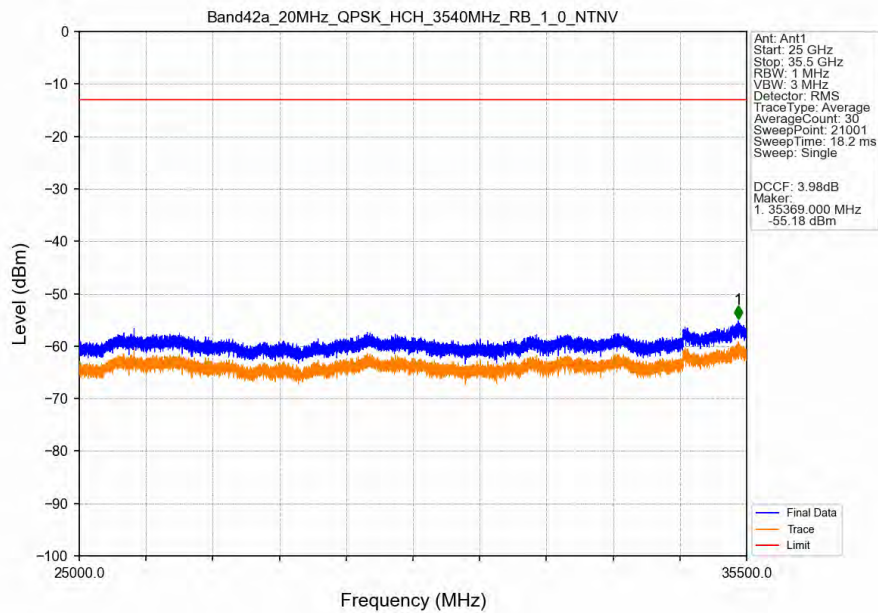
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



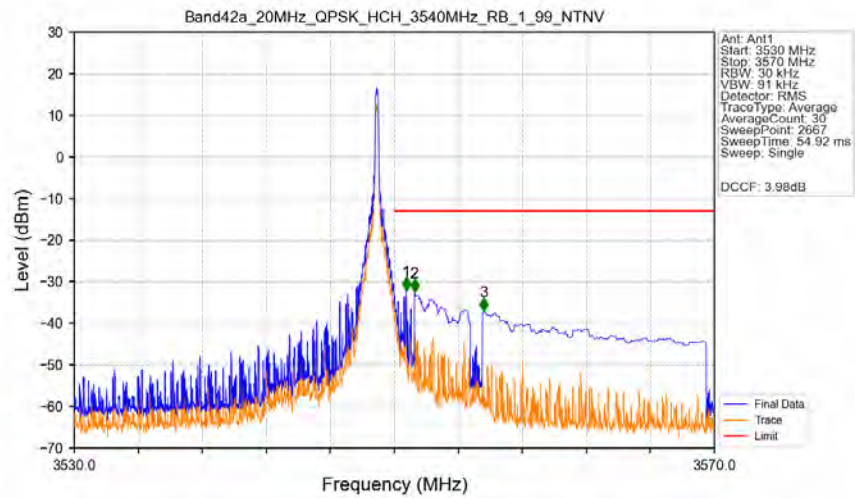
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV

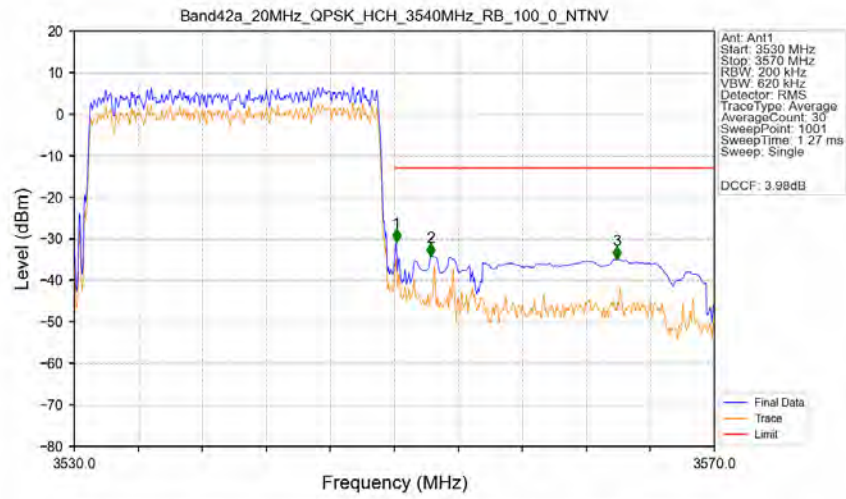


Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.03	/	/	/	/	/	/
3550	3570	0.03	/	1	3550.735	-32.14	-13	Pass
3570	3570	0.5	CHP	2	3551.260	-32.42	-13	Pass
3570	3570	1	CHP	3	3555.596	-36.99	-13	Pass

Band42a_20MHz_QPSK_HCH_3540MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3530	3550	0.2	/	/	/	/	/	/
3550	3570	0.2	/	1	3550.120	-30.77	-13	Pass
3570	3570	0.5	CHP	2	3552.280	-34.25	-13	Pass
3570	3570	1	CHP	3	3563.920	-35.01	-13	Pass

6. Adjacent Channel Leakage Ratio

6.1 Test Result

6.1.1 B42a_5MHz

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	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
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	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
64QAM	3452.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	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

6.1.2 B42a_10MHz

Band: 42a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	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
16QAM	3455	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass

	3545		49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
64QAM	3455	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3500	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	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

6.1.3 B42a_15MHz

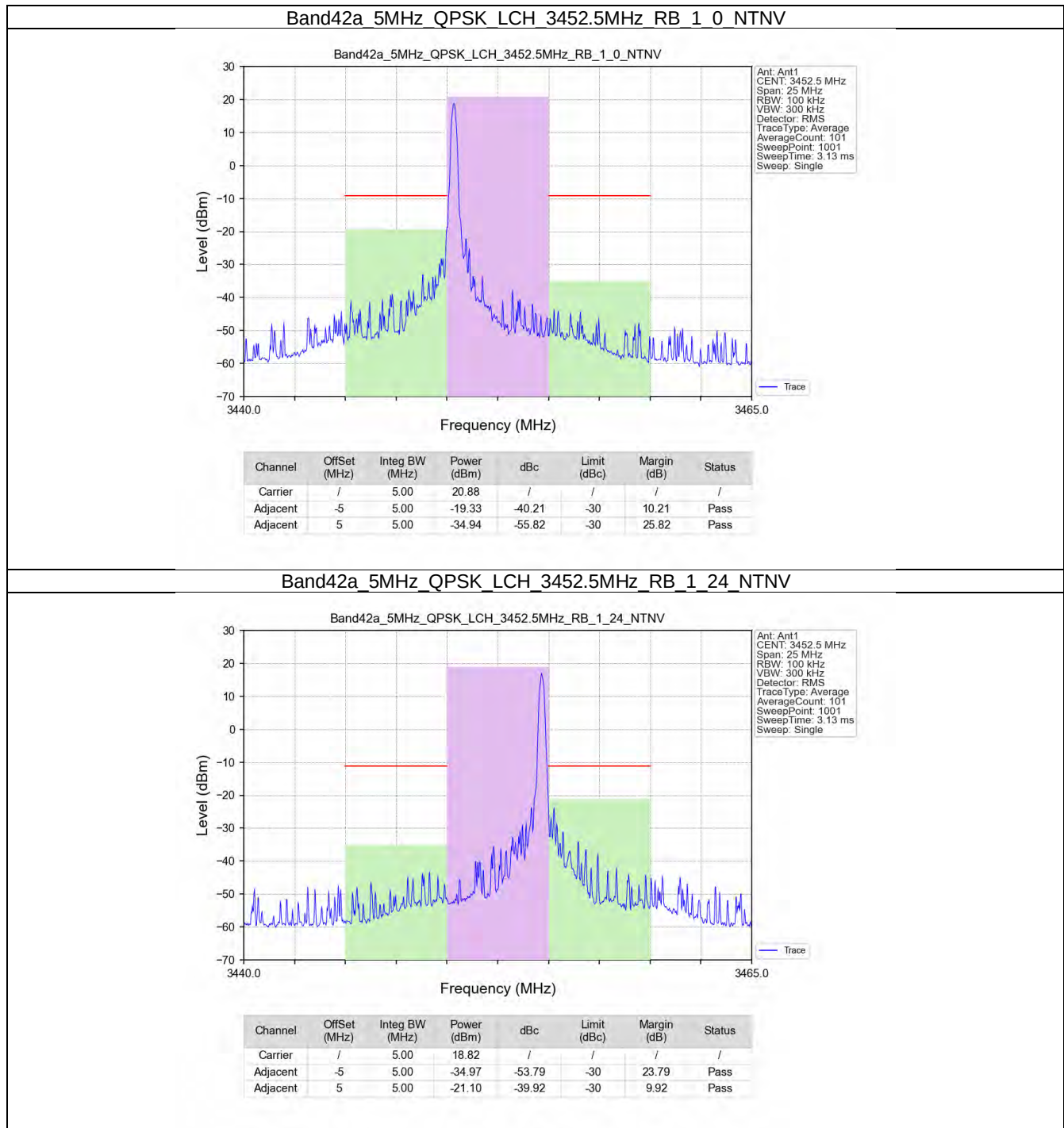
Band: 42a / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	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
16QAM	3457.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	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
64QAM	3457.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	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

6.1.4 B42a_20MHz

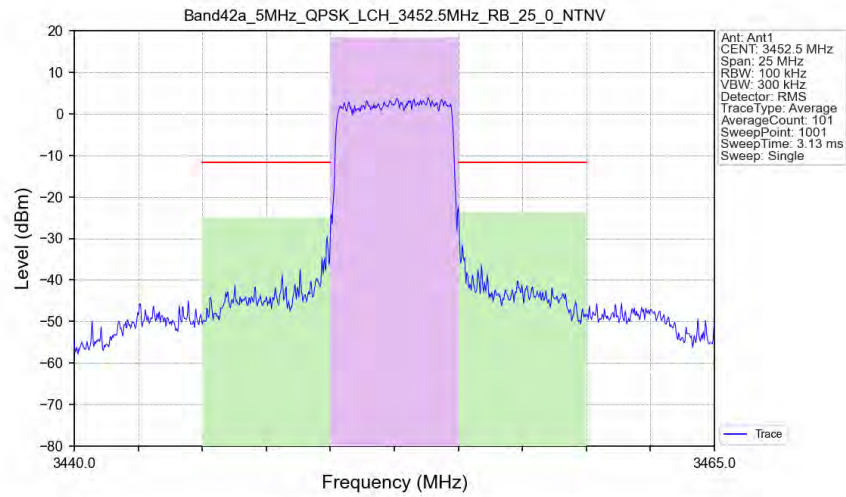
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	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
16QAM	3460	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	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
64QAM	3460	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	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

6.2 Test Graph

6.2.1 B42a_5MHz

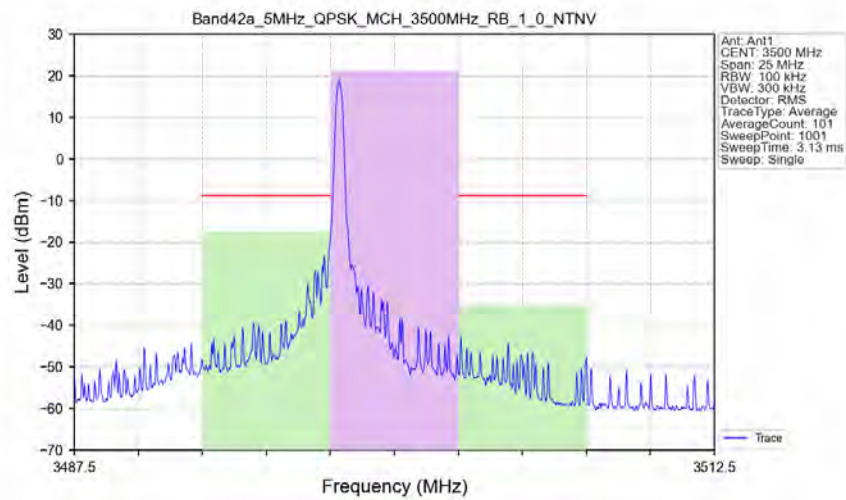


Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV



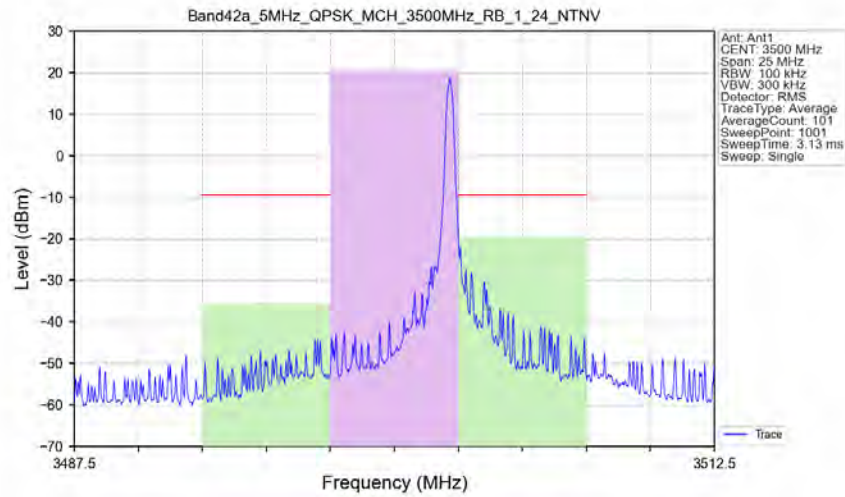
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.36	/	/	/	/
Adjacent	-5	5.00	-24.94	-43.30	-30	13.30	Pass
Adjacent	5	5.00	-23.76	-42.12	-30	12.12	Pass

Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



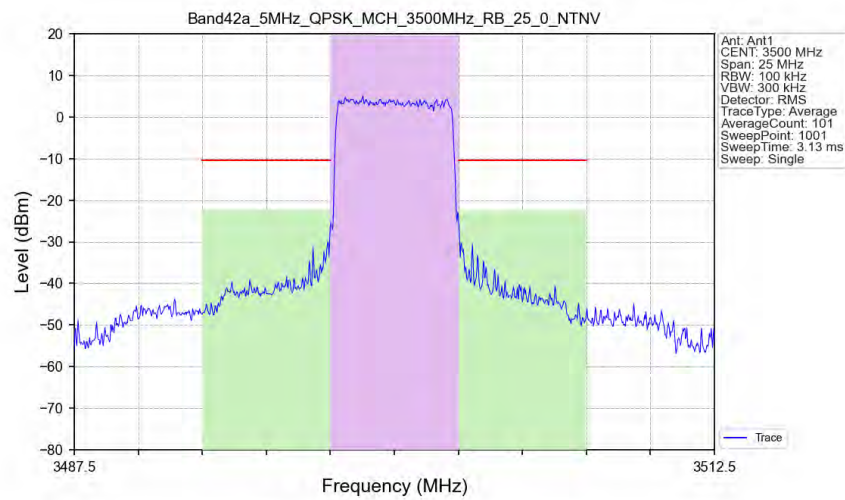
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	21.21	/	/	/	/
Adjacent	-5	5.00	-17.52	-38.73	-30	8.73	Pass
Adjacent	5	5.00	-35.06	-56.27	-30	26.27	Pass

Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_24_NTNV



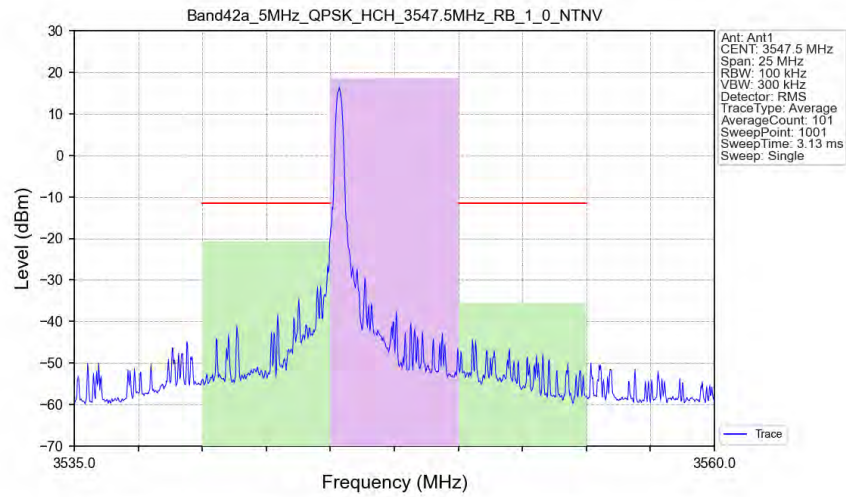
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	20.44	/	/	/	/
Adjacent	-5	5.00	-35.38	-55.82	-30	25.82	Pass
Adjacent	5	5.00	-19.54	-39.98	-30	9.98	Pass

Band42a_5MHz_QPSK_MCH_3500MHz_RB_25_0_NTNV



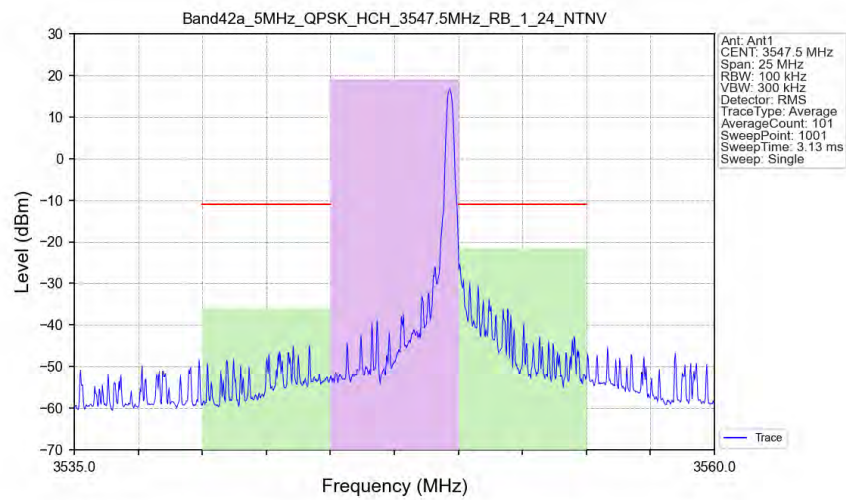
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	19.66	/	/	/	/
Adjacent	-5	5.00	-22.32	-41.98	-30	11.98	Pass
Adjacent	5	5.00	-22.51	-42.17	-30	12.17	Pass

Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



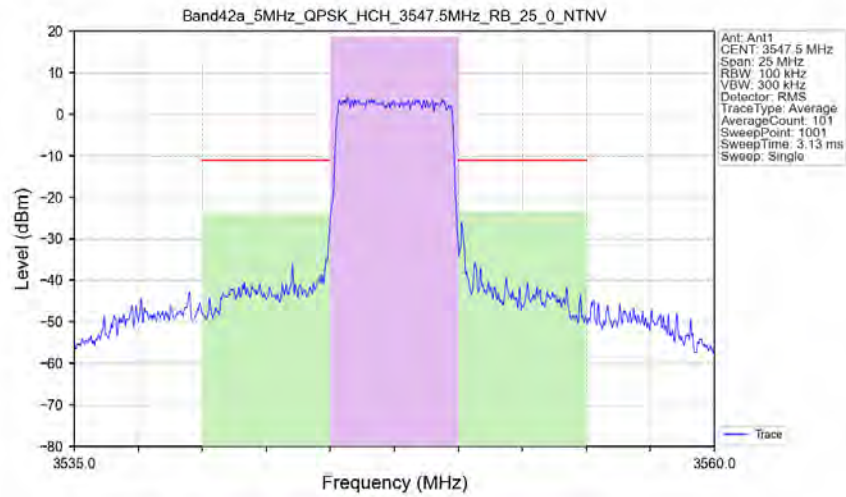
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.51	/	/	/	/
Adjacent	-5	5.00	-20.62	-39.13	-30	9.13	Pass
Adjacent	5	5.00	-35.65	-54.16	-30	24.16	Pass

Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_24_NTNV



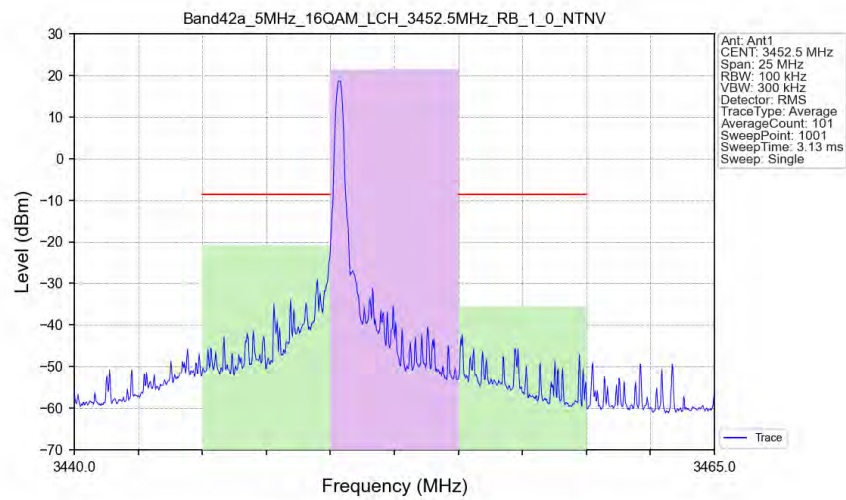
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	19.03	/	/	/	/
Adjacent	-5	5.00	-35.99	-55.02	-30	25.02	Pass
Adjacent	5	5.00	-21.62	-40.65	-30	10.65	Pass

Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



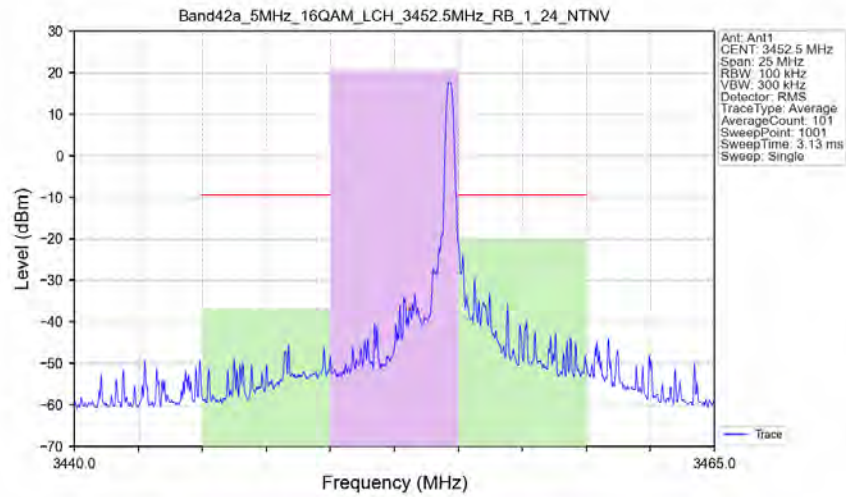
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.79	/	/	/	/
Adjacent	-5	5.00	-23.71	-42.50	-30	12.50	Pass
Adjacent	5	5.00	-23.34	-42.13	-30	12.13	Pass

Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_1_0_NTNV



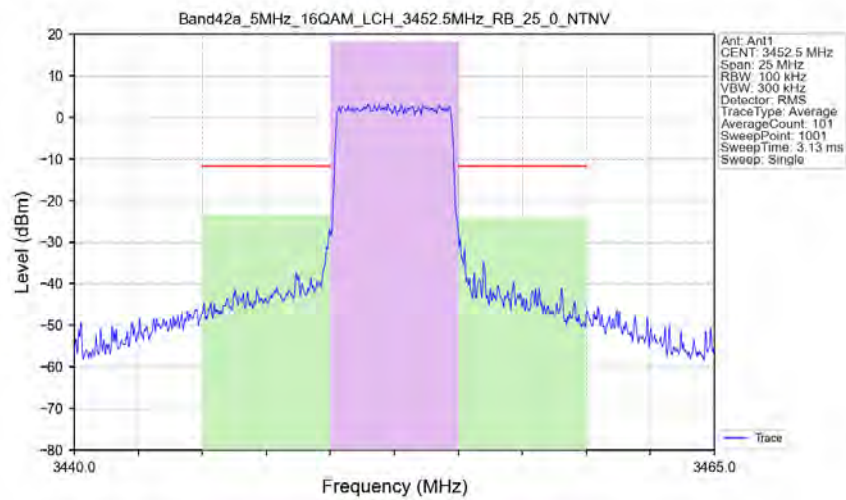
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	21.44	/	/	/	/
Adjacent	-5	5.00	-20.78	-42.22	-30	12.22	Pass
Adjacent	5	5.00	-35.51	-56.95	-30	26.95	Pass

Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_1_24_NTNV



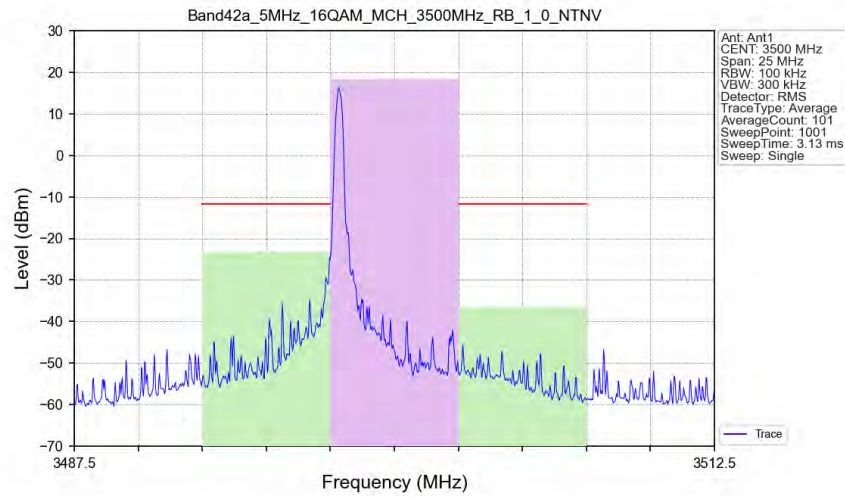
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	20.55	/	/	/	/
Adjacent	-5	5.00	-36.61	-57.16	-30	27.16	Pass
Adjacent	5	5.00	-20.35	-40.90	-30	10.90	Pass

Band42a_5MHz_16QAM_LCH_3452.5MHz_RB_25_0_NTNV



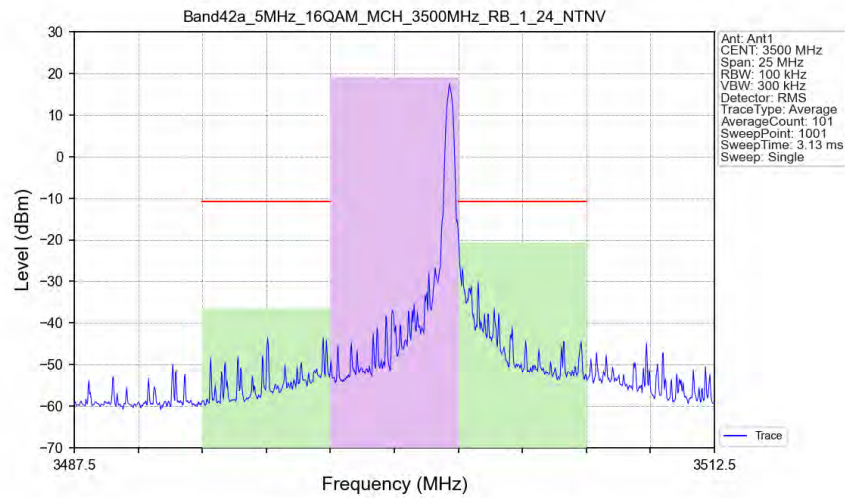
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.23	/	/	/	/
Adjacent	-5	5.00	-23.37	-41.60	-30	11.60	Pass
Adjacent	5	5.00	-24.16	-42.39	-30	12.39	Pass

Band42a_5MHz_16QAM_MCH_3500MHz_RB_1_0_NTNV



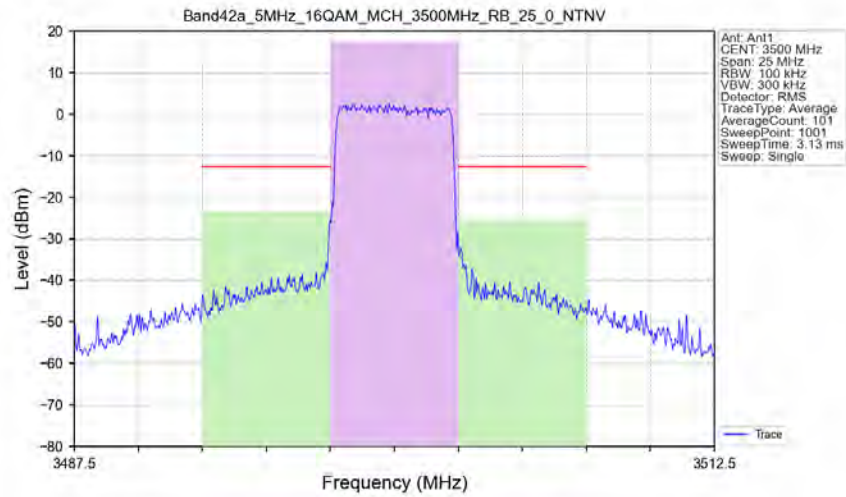
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.32	/	/	/	/
Adjacent	-5	5.00	-23.22	-41.54	-30	11.54	Pass
Adjacent	5	5.00	-36.56	-54.88	-30	24.88	Pass

Band42a_5MHz_16QAM_MCH_3500MHz_RB_1_24_NTNV



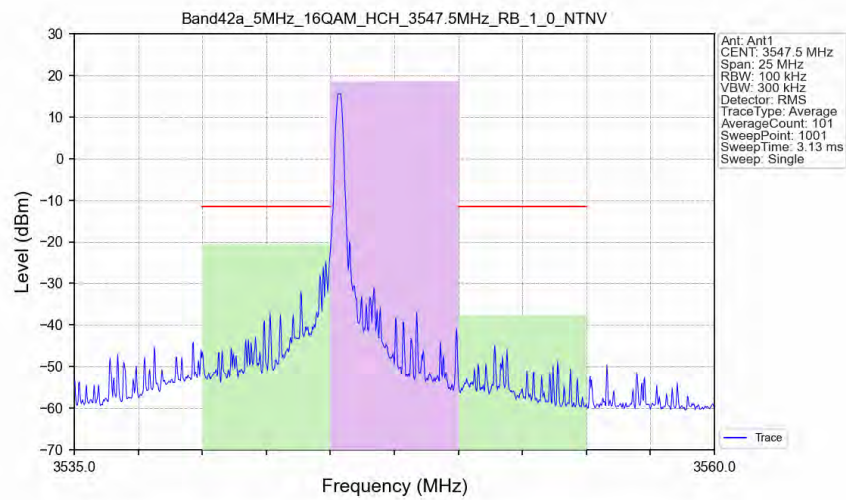
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	19.15	/	/	/	/
Adjacent	-5	5.00	-36.41	-55.56	-30	25.56	Pass
Adjacent	5	5.00	-20.71	-39.86	-30	9.86	Pass

Band42a_5MHz_16QAM_MCH_3500MHz_RB_25_0_NTNV



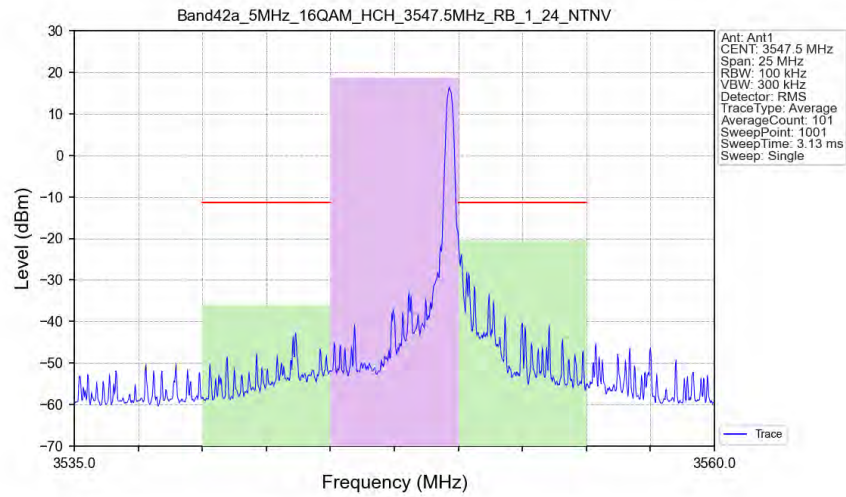
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	17.38	/	/	/	/
Adjacent	-5	5.00	-23.35	-40.73	-30	10.73	Pass
Adjacent	5	5.00	-25.29	-42.67	-30	12.67	Pass

Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_1_0_NTNV



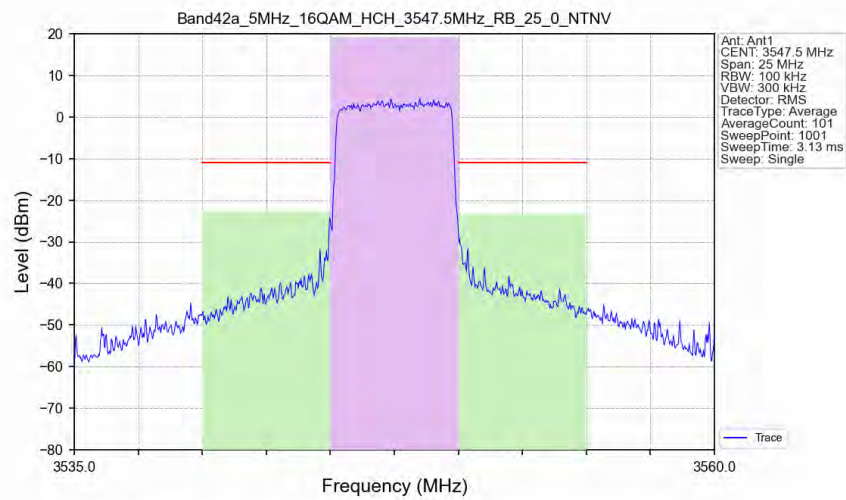
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.51	/	/	/	/
Adjacent	-5	5.00	-20.41	-38.92	-30	8.92	Pass
Adjacent	5	5.00	-37.56	-56.07	-30	26.07	Pass

Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_1_24_NTNV



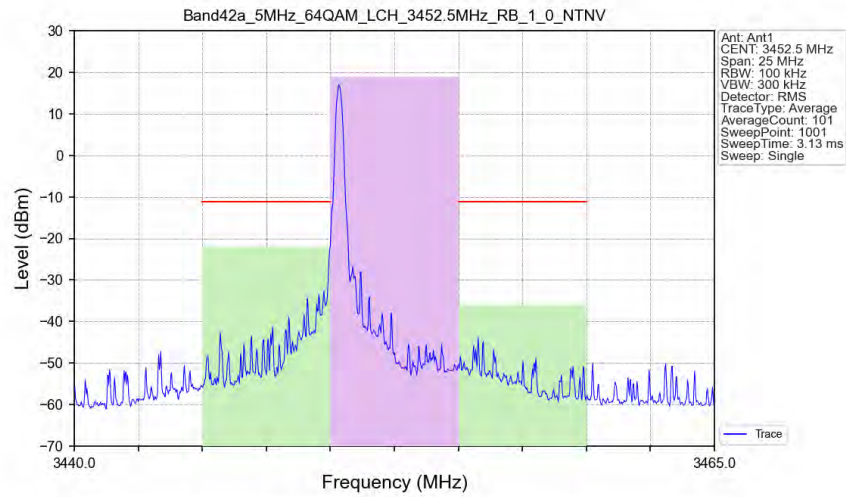
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.67	/	/	/	/
Adjacent	-5	5.00	-35.86	-54.53	-30	24.53	Pass
Adjacent	5	5.00	-20.42	-39.09	-30	9.09	Pass

Band42a_5MHz_16QAM_HCH_3547.5MHz_RB_25_0_NTNV



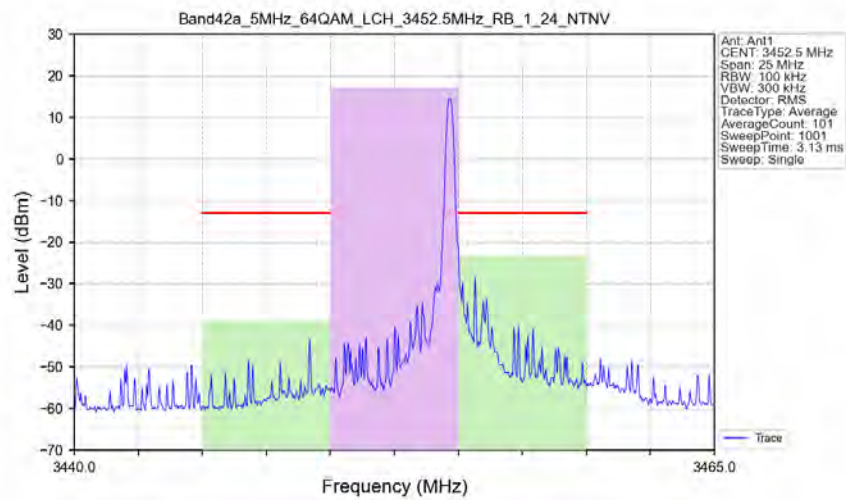
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	19.01	/	/	/	/
Adjacent	-5	5.00	-22.55	-41.56	-30	11.56	Pass
Adjacent	5	5.00	-23.34	-42.35	-30	12.35	Pass

Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_1_0_NTNV



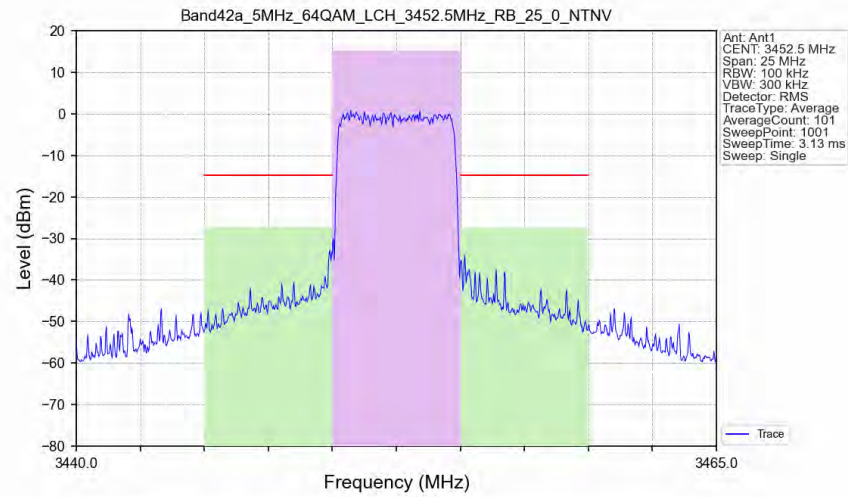
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.91	/	/	/	/
Adjacent	-5	5.00	-22.14	-41.05	-30	11.05	Pass
Adjacent	5	5.00	-35.95	-54.86	-30	24.86	Pass

Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_1_24_NTNV



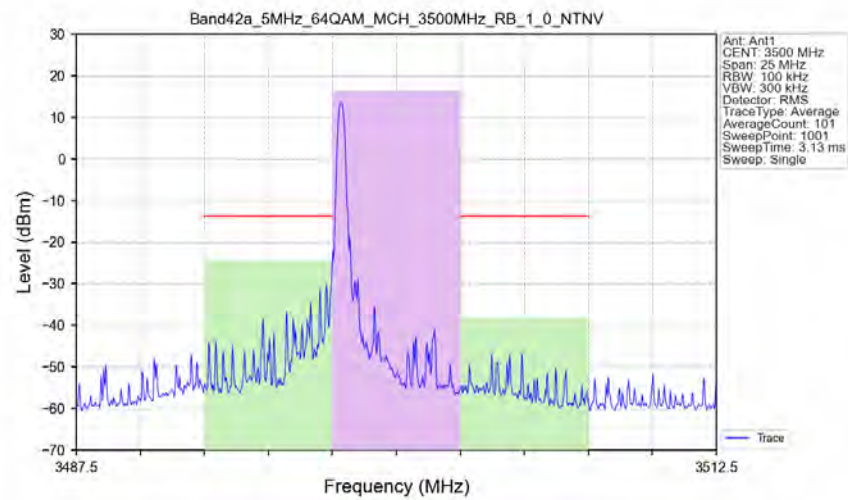
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	16.99	/	/	/	/
Adjacent	-5	5.00	-38.80	-55.79	-30	25.79	Pass
Adjacent	5	5.00	-23.22	-40.21	-30	10.21	Pass

Band42a_5MHz_64QAM_LCH_3452.5MHz_RB_25_0_NTNV



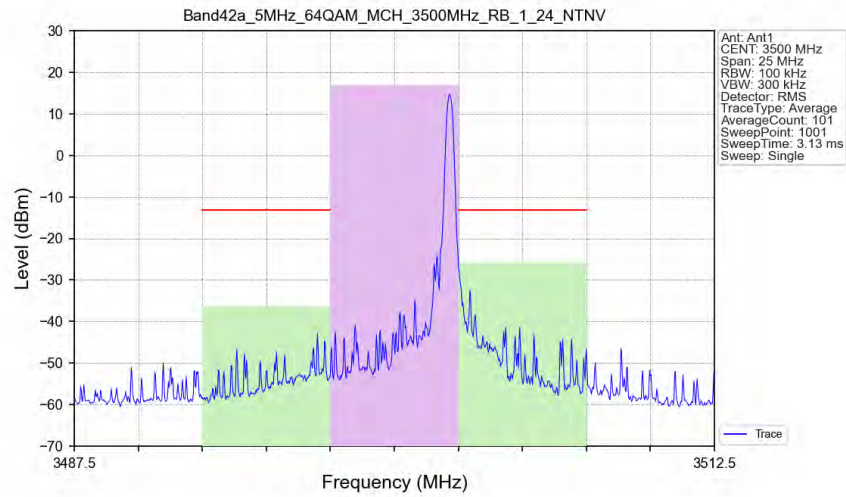
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	15.28	/	/	/	/
Adjacent	-5	5.00	-27.20	-42.48	-30	12.48	Pass
Adjacent	5	5.00	-27.34	-42.62	-30	12.62	Pass

Band42a_5MHz_64QAM_MCH_3500MHz_RB_1_0_NTNV



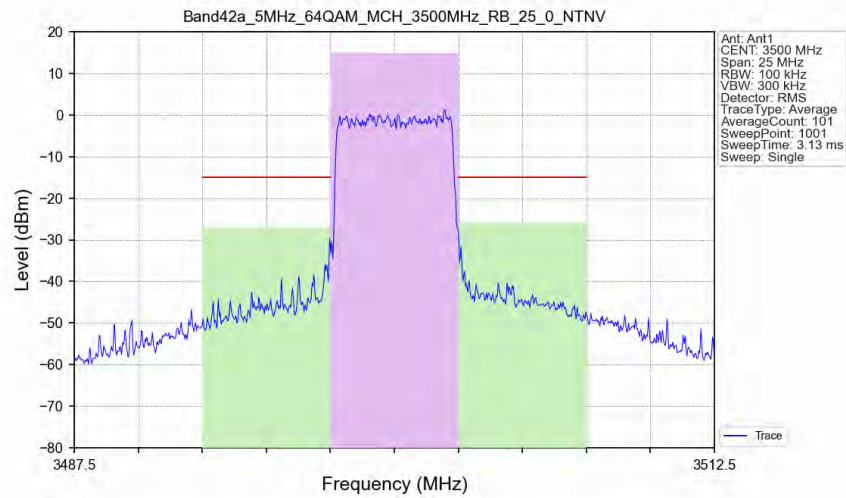
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	16.27	/	/	/	/
Adjacent	-5	5.00	-24.49	-40.76	-30	10.76	Pass
Adjacent	5	5.00	-38.10	-54.37	-30	24.37	Pass

Band42a_5MHz_64QAM_MCH_3500MHz_RB_1_24_NTNV



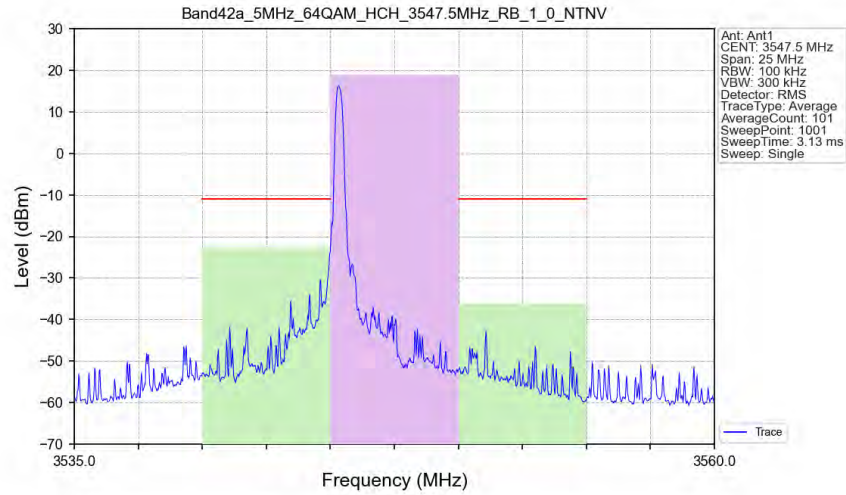
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	16.90	/	/	/	/
Adjacent	-5	5.00	-36.27	-53.17	-30	23.17	Pass
Adjacent	5	5.00	-25.80	-42.70	-30	12.70	Pass

Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



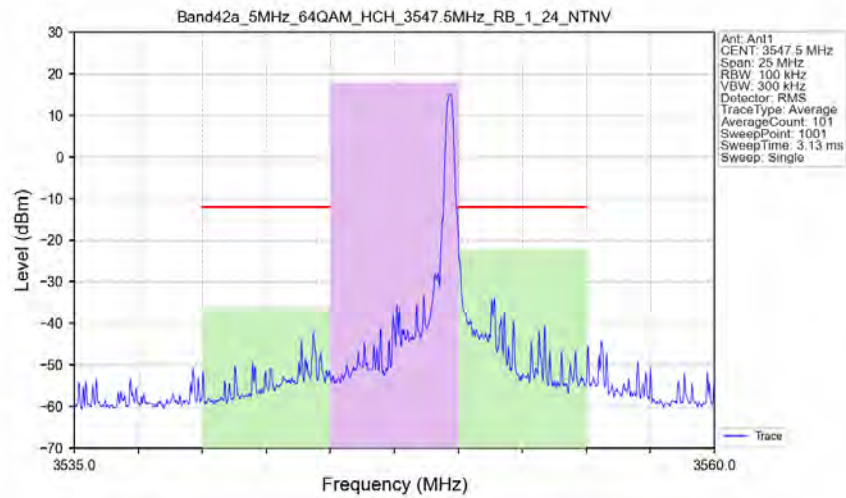
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	14.96	/	/	/	/
Adjacent	-5	5.00	-26.92	-41.88	-30	11.88	Pass
Adjacent	5	5.00	-25.96	-40.92	-30	10.92	Pass

Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_1_0_NTNV



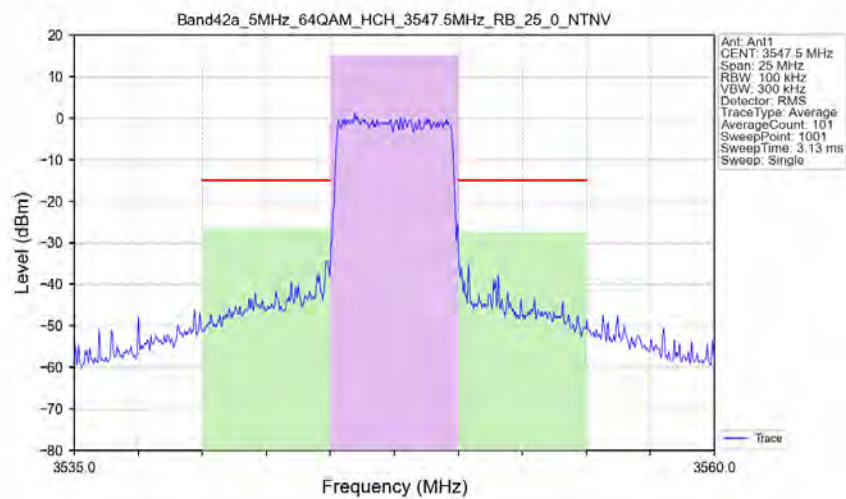
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.93	/	/	/	/
Adjacent	-5	5.00	-22.70	-41.63	-30	11.63	Pass
Adjacent	5	5.00	-36.13	-55.06	-30	25.06	Pass

Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_1_24_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	17.97	/	/	/	/
Adjacent	-5	5.00	-36.10	-54.07	-30	24.07	Pass
Adjacent	5	5.00	-22.36	-40.33	-30	10.33	Pass

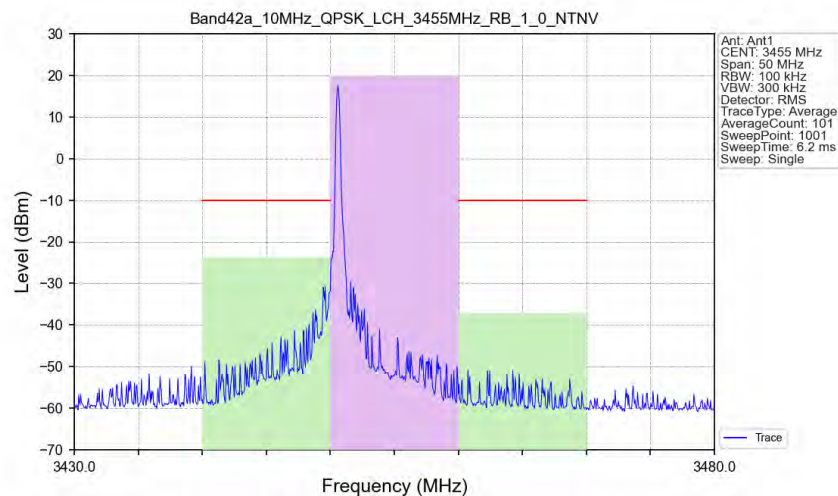
Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



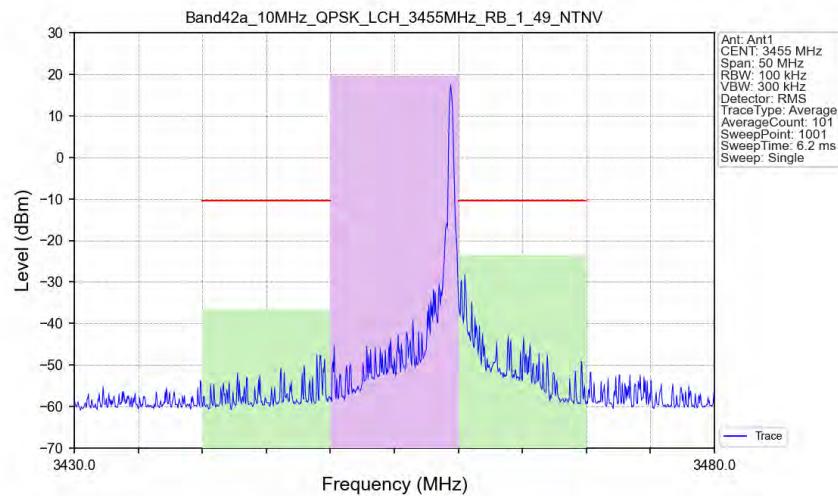
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	15.02	/	/	/	/
Adjacent	-5	5.00	-26.59	-41.61	-30	11.61	Pass
Adjacent	5	5.00	-27.45	-42.47	-30	12.47	Pass

6.2.2 B42a_10MHz

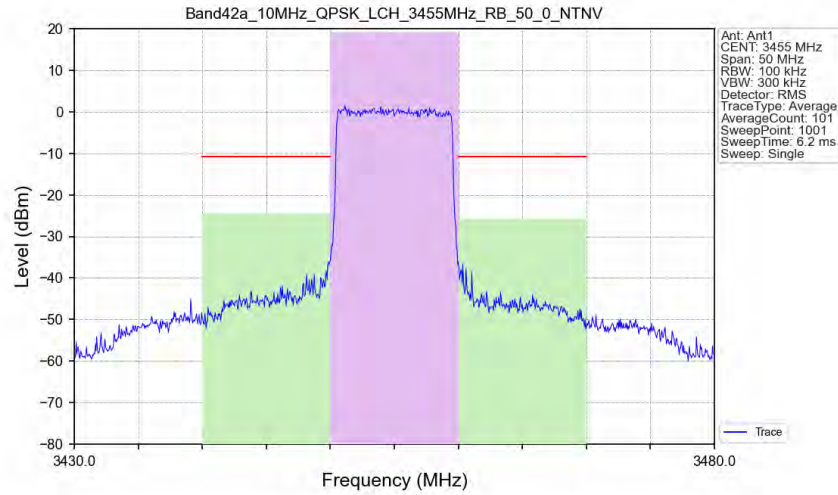
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_49_NTNV

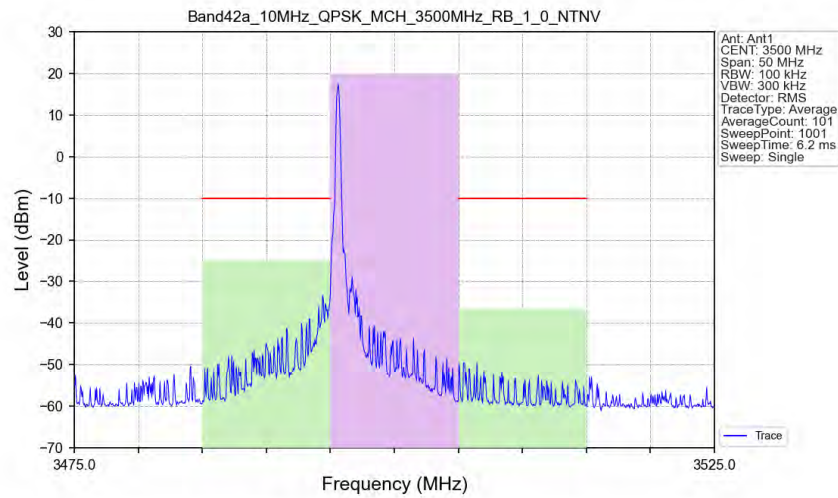


Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



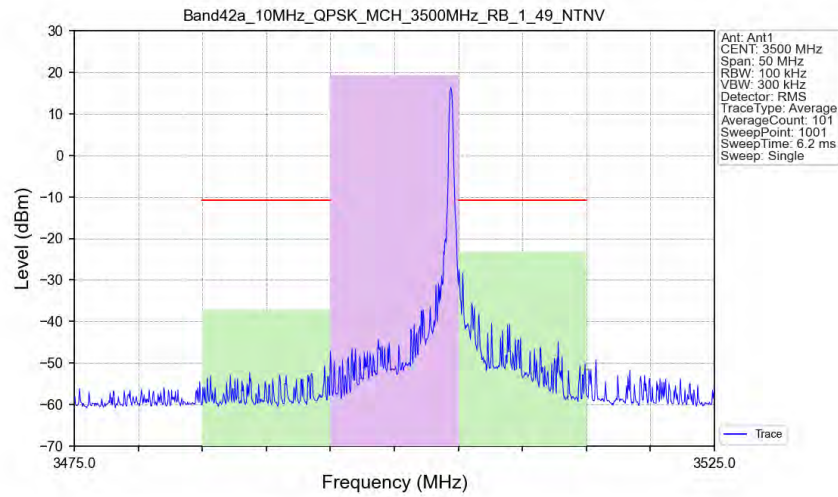
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	19.16	/	/	/	/
Adjacent	-10	10.00	-24.43	-43.59	-30	13.59	Pass
Adjacent	10	10.00	-25.78	-44.94	-30	14.94	Pass

Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV

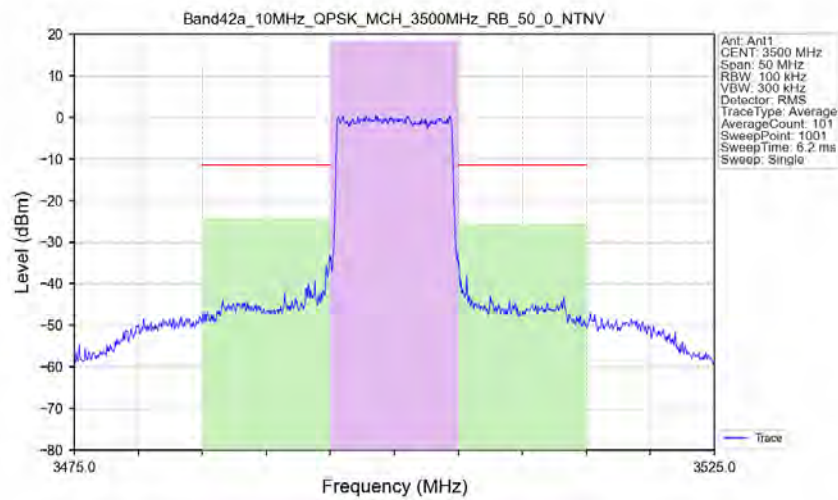


Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	19.93	/	/	/	/
Adjacent	-10	10.00	-24.97	-44.90	-30	14.90	Pass
Adjacent	10	10.00	-36.70	-56.63	-30	26.63	Pass

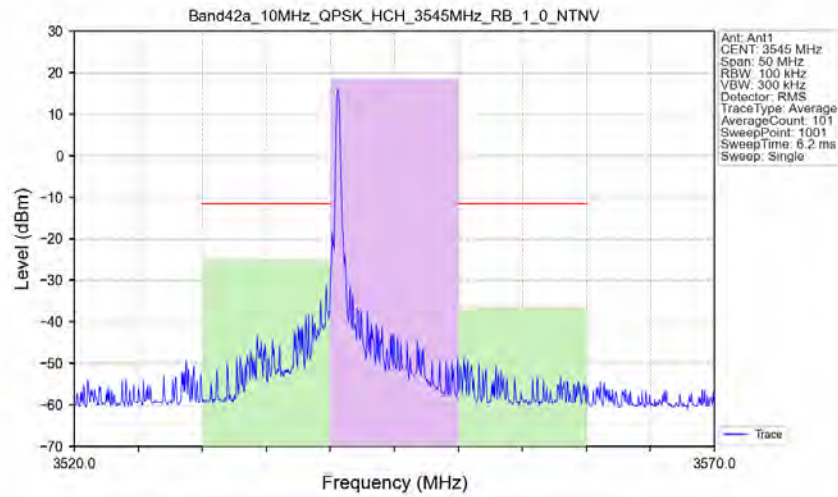
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_49_NTNV



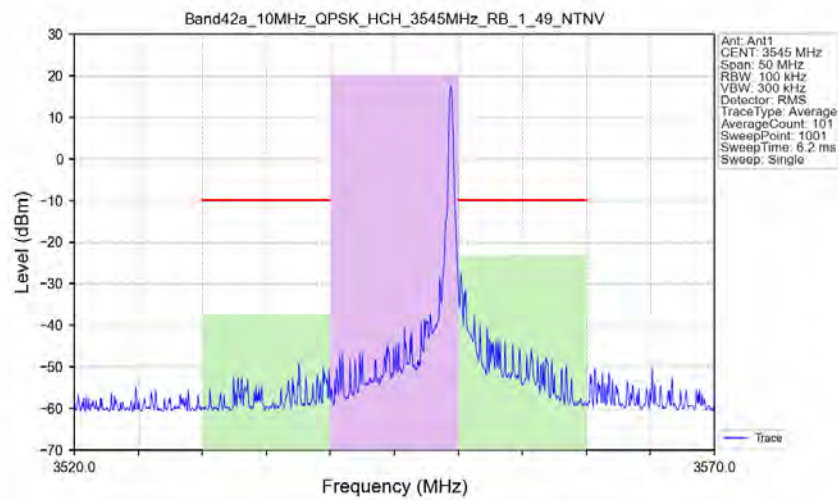
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



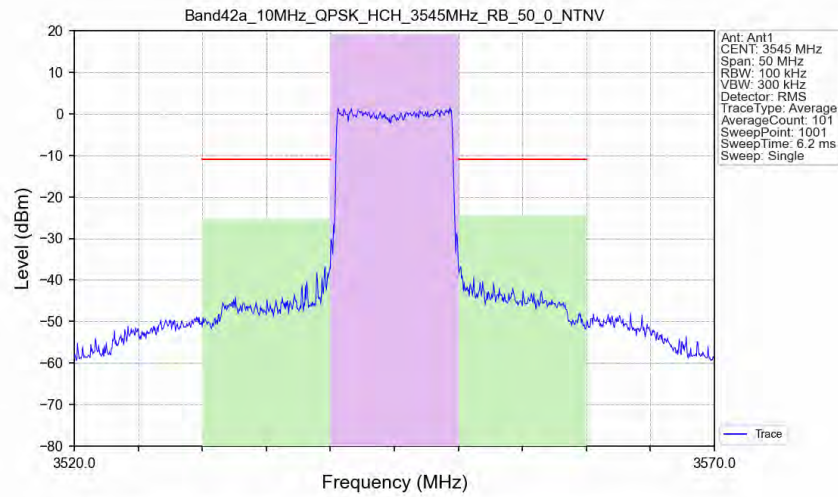
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_49_NTNV

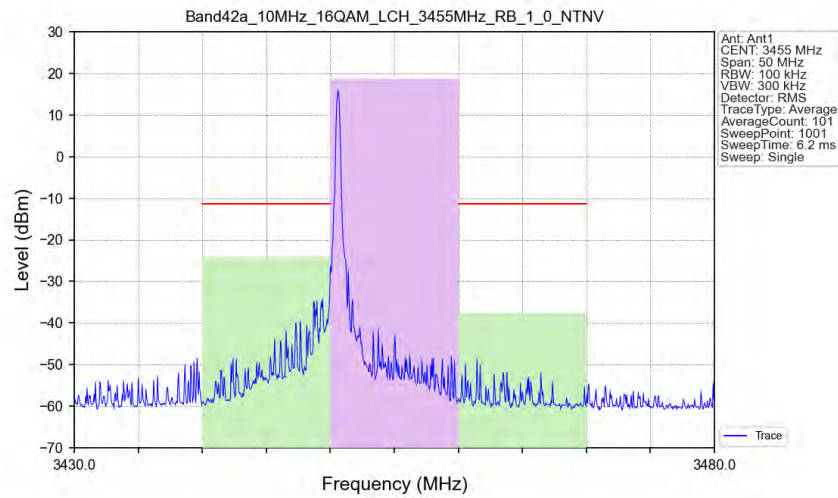


Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



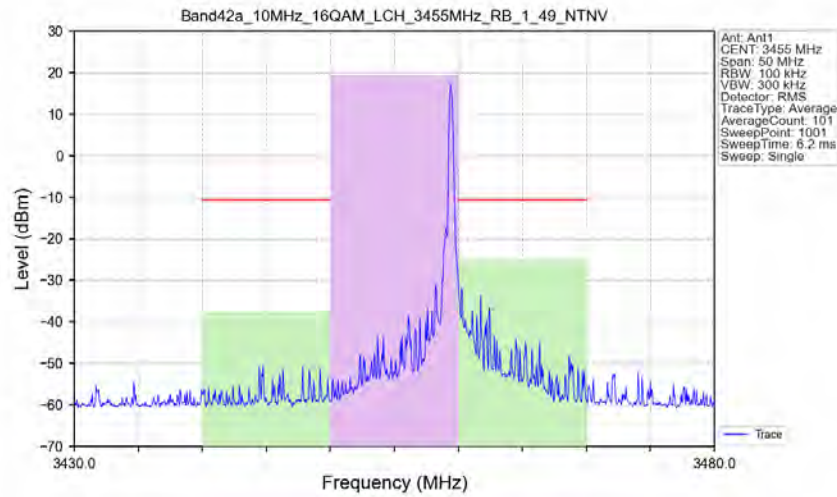
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	19.11	/	/	/	/
Adjacent	-10	10.00	-25.42	-44.53	-30	14.53	Pass
Adjacent	10	10.00	-24.39	-43.50	-30	13.50	Pass

Band42a_10MHz_16QAM_LCH_3455MHz_RB_1_0_NTNV



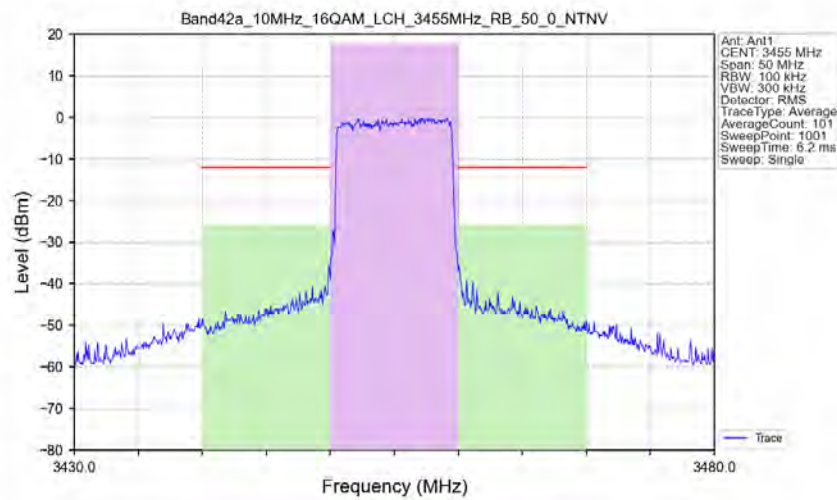
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	18.65	/	/	/	/
Adjacent	-10	10.00	-24.01	-42.66	-30	12.66	Pass
Adjacent	10	10.00	-37.66	-56.31	-30	26.31	Pass

Band42a_10MHz_16QAM_LCH_3455MHz_RB_1_49_NTNV



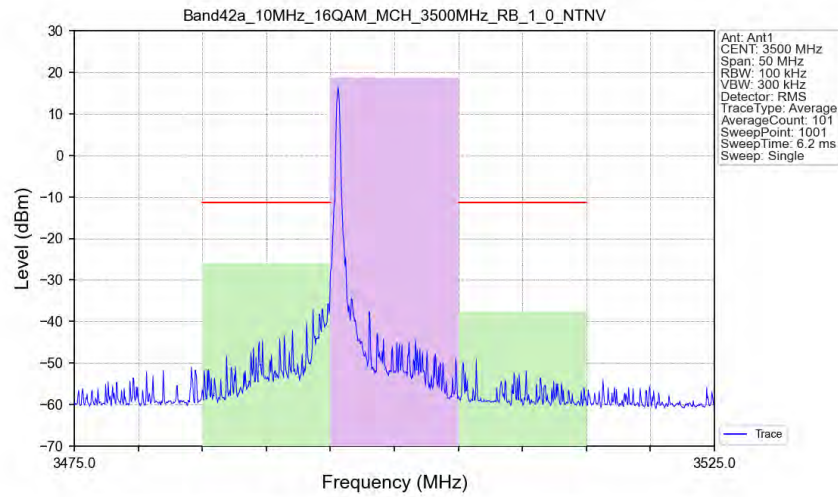
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	19.31	/	/	/	/
Adjacent	-10	10.00	-37.79	-57.10	-30	27.10	Pass
Adjacent	10	10.00	-24.93	-44.24	-30	14.24	Pass

Band42a_10MHz_16QAM_LCH_3455MHz_RB_50_0_NTNV



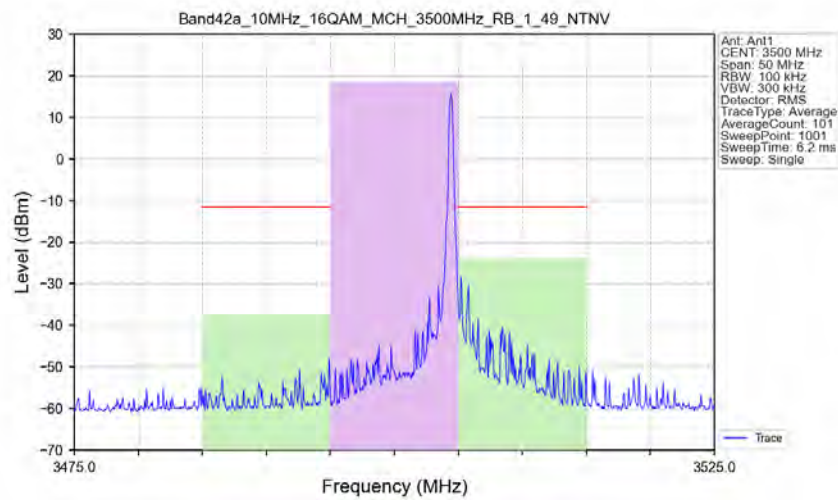
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	17.87	/	/	/	/
Adjacent	-10	10.00	-25.97	-43.84	-30	13.84	Pass
Adjacent	10	10.00	-25.99	-43.86	-30	13.86	Pass

Band42a_10MHz_16QAM_MCH_3500MHz_RB_1_0_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	18.66	/	/	/	/
Adjacent	-10	10.00	-25.85	-44.51	-30	14.51	Pass
Adjacent	10	10.00	-37.63	-56.29	-30	26.29	Pass

Band42a_10MHz_16QAM_MCH_3500MHz_RB_1_49_NTNV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	10.00	18.48	/	/	/	/
Adjacent	-10	10.00	-37.52	-56.00	-30	26.00	Pass
Adjacent	10	10.00	-23.97	-42.45	-30	12.45	Pass