



Appendix A.15

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	23.95	-0.60	23.35	<=30	Pass
			13	24.04	-0.60	23.44	<=30	Pass
			24	23.95	-0.60	23.35	<=30	Pass
		12	0	23.14	-0.60	22.54	<=30	Pass
			6	23.10	-0.60	22.50	<=30	Pass
			13	23.09	-0.60	22.49	<=30	Pass
		25	0	23.10	-0.60	22.50	<=30	Pass
	3500	1	0	23.92	-0.60	23.32	<=30	Pass
			13	24.00	-0.60	23.40	<=30	Pass
			24	23.93	-0.60	23.33	<=30	Pass
		12	0	22.94	-0.60	22.34	<=30	Pass
			6	23.09	-0.60	22.49	<=30	Pass
			13	23.06	-0.60	22.46	<=30	Pass
		25	0	22.96	-0.60	22.36	<=30	Pass
	3547.5	1	0	23.83	-0.60	23.23	<=30	Pass
			13	23.94	-0.60	23.34	<=30	Pass
			24	23.83	-0.60	23.23	<=30	Pass
		12	0	22.83	-0.60	22.23	<=30	Pass
			6	22.80	-0.60	22.20	<=30	Pass
			13	22.89	-0.60	22.29	<=30	Pass
		25	0	22.78	-0.60	22.18	<=30	Pass
16QAM	3452.5	1	0	23.14	-0.60	22.54	<=30	Pass
			13	23.25	-0.60	22.65	<=30	Pass
			24	23.23	-0.60	22.63	<=30	Pass
		12	0	22.07	-0.60	21.47	<=30	Pass
			6	22.14	-0.60	21.54	<=30	Pass
			13	22.09	-0.60	21.49	<=30	Pass
		25	0	22.13	-0.60	21.53	<=30	Pass
	3500	1	0	23.04	-0.60	22.44	<=30	Pass
			13	23.20	-0.60	22.60	<=30	Pass
			24	23.21	-0.60	22.61	<=30	Pass
		12	0	21.87	-0.60	21.27	<=30	Pass
			6	22.05	-0.60	21.45	<=30	Pass
			13	21.94	-0.60	21.34	<=30	Pass
		25	0	21.97	-0.60	21.37	<=30	Pass
	3547.5	1	0	23.03	-0.60	22.43	<=30	Pass
			13	23.03	-0.60	22.43	<=30	Pass
			24	23.03	-0.60	22.43	<=30	Pass
		12	0	21.71	-0.60	21.11	<=30	Pass
			6	21.77	-0.60	21.17	<=30	Pass
			6	21.77	-0.60	21.17	<=30	Pass

64QAM	3452.5	25	13	21.82	-0.60	21.22	<=30	Pass
			0	21.80	-0.60	21.20	<=30	Pass
	3452.5	1	0	22.91	-0.60	22.31	<=30	Pass
			13	23.02	-0.60	22.42	<=30	Pass
			24	22.94	-0.60	22.34	<=30	Pass
		12	0	22.11	-0.60	21.51	<=30	Pass
			6	22.16	-0.60	21.56	<=30	Pass
			13	22.11	-0.60	21.51	<=30	Pass
		25	0	22.11	-0.60	21.51	<=30	Pass
	3500	1	0	23.01	-0.60	22.41	<=30	Pass
			13	23.04	-0.60	22.44	<=30	Pass
			24	22.96	-0.60	22.36	<=30	Pass
		12	0	21.99	-0.60	21.39	<=30	Pass
			6	22.03	-0.60	21.43	<=30	Pass
			13	22.06	-0.60	21.46	<=30	Pass
		25	0	21.92	-0.60	21.32	<=30	Pass
	3547.5	1	0	22.67	-0.60	22.07	<=30	Pass
			13	22.78	-0.60	22.18	<=30	Pass
			24	22.82	-0.60	22.22	<=30	Pass
		12	0	21.75	-0.60	21.15	<=30	Pass
			6	21.82	-0.60	21.22	<=30	Pass
			13	21.92	-0.60	21.32	<=30	Pass
		25	0	21.77	-0.60	21.17	<=30	Pass
256QAM	3452.5	1	0	19.00	-0.60	18.40	<=30	Pass
			13	19.07	-0.60	18.47	<=30	Pass
			24	19.03	-0.60	18.43	<=30	Pass
		12	0	19.11	-0.60	18.51	<=30	Pass
			6	19.24	-0.60	18.64	<=30	Pass
			13	19.11	-0.60	18.51	<=30	Pass
		25	0	19.24	-0.60	18.64	<=30	Pass
	3500	1	0	18.72	-0.60	18.12	<=30	Pass
			13	18.95	-0.60	18.35	<=30	Pass
			24	18.89	-0.60	18.29	<=30	Pass
		12	0	19.11	-0.60	18.51	<=30	Pass
			6	19.31	-0.60	18.71	<=30	Pass
			13	19.20	-0.60	18.60	<=30	Pass
		25	0	19.02	-0.60	18.42	<=30	Pass
	3547.5	1	0	18.50	-0.60	17.90	<=30	Pass
			13	18.76	-0.60	18.16	<=30	Pass
			24	18.76	-0.60	18.16	<=30	Pass
		12	0	18.85	-0.60	18.25	<=30	Pass
			6	18.89	-0.60	18.29	<=30	Pass
			13	18.94	-0.60	18.34	<=30	Pass
		25	0	18.83	-0.60	18.23	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B42a_10MHz_EIRP

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	24.00	-0.60	23.40	<=30	Pass
			25	23.95	-0.60	23.35	<=30	Pass
			49	23.95	-0.60	23.35	<=30	Pass
		25	0	23.06	-0.60	22.46	<=30	Pass
			13	23.13	-0.60	22.53	<=30	Pass
			25	23.12	-0.60	22.52	<=30	Pass
		50	0	23.11	-0.60	22.51	<=30	Pass
	3500	1	0	23.80	-0.60	23.20	<=30	Pass
			25	23.79	-0.60	23.19	<=30	Pass
			49	23.83	-0.60	23.23	<=30	Pass
		25	0	22.89	-0.60	22.29	<=30	Pass
			13	23.00	-0.60	22.40	<=30	Pass
			25	23.04	-0.60	22.44	<=30	Pass
		50	0	22.94	-0.60	22.34	<=30	Pass
	3545	1	0	23.78	-0.60	23.18	<=30	Pass
			25	23.82	-0.60	23.22	<=30	Pass
			49	23.81	-0.60	23.21	<=30	Pass
		25	0	22.82	-0.60	22.22	<=30	Pass
			13	22.89	-0.60	22.29	<=30	Pass
			25	22.89	-0.60	22.29	<=30	Pass
		50	0	22.86	-0.60	22.26	<=30	Pass
16QAM	3455	1	0	23.18	-0.60	22.58	<=30	Pass
			25	23.04	-0.60	22.44	<=30	Pass
			49	23.19	-0.60	22.59	<=30	Pass
		25	0	22.10	-0.60	21.50	<=30	Pass
			13	22.17	-0.60	21.57	<=30	Pass
			25	22.14	-0.60	21.54	<=30	Pass
		50	0	22.19	-0.60	21.59	<=30	Pass
	3500	1	0	23.04	-0.60	22.44	<=30	Pass
			25	23.12	-0.60	22.52	<=30	Pass
			49	23.02	-0.60	22.42	<=30	Pass
		25	0	21.97	-0.60	21.37	<=30	Pass
			13	22.00	-0.60	21.40	<=30	Pass
			25	22.06	-0.60	21.46	<=30	Pass
		50	0	22.02	-0.60	21.42	<=30	Pass
	3545	1	0	22.99	-0.60	22.39	<=30	Pass
			25	22.95	-0.60	22.35	<=30	Pass
			49	22.99	-0.60	22.39	<=30	Pass
		25	0	21.87	-0.60	21.27	<=30	Pass
			13	21.93	-0.60	21.33	<=30	Pass
			25	21.85	-0.60	21.25	<=30	Pass
		50	0	21.92	-0.60	21.32	<=30	Pass
64QAM	3455	1	0	22.95	-0.60	22.35	<=30	Pass
			25	22.93	-0.60	22.33	<=30	Pass
			49	22.88	-0.60	22.28	<=30	Pass
		25	0	22.11	-0.60	21.51	<=30	Pass
			13	22.15	-0.60	21.55	<=30	Pass
			25	22.11	-0.60	21.51	<=30	Pass
		50	0	22.10	-0.60	21.50	<=30	Pass
	3500	1	0	22.79	-0.60	22.19	<=30	Pass
			25	22.69	-0.60	22.09	<=30	Pass
			49	22.79	-0.60	22.19	<=30	Pass
		25	0	21.88	-0.60	21.28	<=30	Pass



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256QAM	3545	50	13	21.91	-0.60	21.31	<=30	Pass
			25	22.04	-0.60	21.44	<=30	Pass
			0	21.90	-0.60	21.30	<=30	Pass
		1	0	22.81	-0.60	22.21	<=30	Pass
			25	22.75	-0.60	22.15	<=30	Pass
			49	22.82	-0.60	22.22	<=30	Pass
		25	0	21.79	-0.60	21.19	<=30	Pass
			13	21.85	-0.60	21.25	<=30	Pass
			25	21.88	-0.60	21.28	<=30	Pass
		50	0	21.89	-0.60	21.29	<=30	Pass
	3455	1	0	18.90	-0.60	18.30	<=30	Pass
			25	18.91	-0.60	18.31	<=30	Pass
			49	18.93	-0.60	18.33	<=30	Pass
		25	0	19.11	-0.60	18.51	<=30	Pass
			13	19.17	-0.60	18.57	<=30	Pass
			25	19.14	-0.60	18.54	<=30	Pass
		50	0	19.26	-0.60	18.66	<=30	Pass
	3500	1	0	18.68	-0.60	18.08	<=30	Pass
			25	18.82	-0.60	18.22	<=30	Pass
			49	18.79	-0.60	18.19	<=30	Pass
		25	0	18.97	-0.60	18.37	<=30	Pass
			13	19.00	-0.60	18.40	<=30	Pass
			25	19.10	-0.60	18.50	<=30	Pass
		50	0	19.07	-0.60	18.47	<=30	Pass
	3545	1	0	18.71	-0.60	18.11	<=30	Pass
			25	18.62	-0.60	18.02	<=30	Pass
			49	18.68	-0.60	18.08	<=30	Pass
		25	0	18.88	-0.60	18.28	<=30	Pass
			13	18.94	-0.60	18.34	<=30	Pass
			25	18.86	-0.60	18.26	<=30	Pass
		50	0	18.93	-0.60	18.33	<=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	23.79	-0.60	23.19	<=30	Pass
			38	23.77	-0.60	23.17	<=30	Pass
			74	23.76	-0.60	23.16	<=30	Pass
		36	0	22.99	-0.60	22.39	<=30	Pass
			18	22.99	-0.60	22.39	<=30	Pass
			39	22.99	-0.60	22.39	<=30	Pass
		75	0	22.97	-0.60	22.37	<=30	Pass
	3500	1	0	23.61	-0.60	23.01	<=30	Pass
			38	23.75	-0.60	23.15	<=30	Pass
			74	23.65	-0.60	23.05	<=30	Pass
		36	0	22.81	-0.60	22.21	<=30	Pass
			18	22.85	-0.60	22.25	<=30	Pass
			39	22.87	-0.60	22.27	<=30	Pass

		75	0	22.77	-0.60	22.17	<=30	Pass	
	3542.5	1	0	23.61	-0.60	23.01	<=30	Pass	
			38	23.51	-0.60	22.91	<=30	Pass	
			74	23.64	-0.60	23.04	<=30	Pass	
			0	22.71	-0.60	22.11	<=30	Pass	
		36	18	22.76	-0.60	22.16	<=30	Pass	
			39	22.75	-0.60	22.15	<=30	Pass	
			75	0	22.66	-0.60	22.06	<=30	Pass
16QAM	3457.5	1	0	22.95	-0.60	22.35	<=30	Pass	
			38	23.00	-0.60	22.40	<=30	Pass	
			74	23.00	-0.60	22.40	<=30	Pass	
		36	0	22.00	-0.60	21.40	<=30	Pass	
			18	21.99	-0.60	21.39	<=30	Pass	
			39	21.95	-0.60	21.35	<=30	Pass	
		75	0	22.02	-0.60	21.42	<=30	Pass	
		3500	1	0	22.81	-0.60	22.21	<=30	Pass
				38	22.93	-0.60	22.33	<=30	Pass
				74	22.86	-0.60	22.26	<=30	Pass
	36		0	21.77	-0.60	21.17	<=30	Pass	
			18	21.79	-0.60	21.19	<=30	Pass	
			39	21.87	-0.60	21.27	<=30	Pass	
	75		0	21.84	-0.60	21.24	<=30	Pass	
	3542.5	1	0	22.82	-0.60	22.22	<=30	Pass	
			38	22.78	-0.60	22.18	<=30	Pass	
			74	22.79	-0.60	22.19	<=30	Pass	
		36	0	21.73	-0.60	21.13	<=30	Pass	
			18	21.74	-0.60	21.14	<=30	Pass	
			39	21.71	-0.60	21.11	<=30	Pass	
		75	0	21.72	-0.60	21.12	<=30	Pass	
	64QAM	3457.5	1	0	22.65	-0.60	22.05	<=30	Pass
				38	22.67	-0.60	22.07	<=30	Pass
				74	22.67	-0.60	22.07	<=30	Pass
			36	0	22.02	-0.60	21.42	<=30	Pass
				18	22.02	-0.60	21.42	<=30	Pass
				39	21.99	-0.60	21.39	<=30	Pass
75			0	22.00	-0.60	21.40	<=30	Pass	
3500			1	0	22.48	-0.60	21.88	<=30	Pass
				38	22.65	-0.60	22.05	<=30	Pass
		74		22.56	-0.60	21.96	<=30	Pass	
		36	0	21.84	-0.60	21.24	<=30	Pass	
			18	21.80	-0.60	21.20	<=30	Pass	
			39	21.88	-0.60	21.28	<=30	Pass	
75		0	21.81	-0.60	21.21	<=30	Pass		
3542.5		1	0	22.53	-0.60	21.93	<=30	Pass	
			38	22.46	-0.60	21.86	<=30	Pass	
			74	22.53	-0.60	21.93	<=30	Pass	
		36	0	21.72	-0.60	21.12	<=30	Pass	
			18	21.73	-0.60	21.13	<=30	Pass	
			39	21.76	-0.60	21.16	<=30	Pass	
		75	0	21.69	-0.60	21.09	<=30	Pass	
	256QAM	3457.5	1	0	18.80	-0.60	18.20	<=30	Pass
38				18.72	-0.60	18.12	<=30	Pass	
74				18.74	-0.60	18.14	<=30	Pass	



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		36	0	19.08	-0.60	18.48	<=30	Pass
			18	19.03	-0.60	18.43	<=30	Pass
			39	19.08	-0.60	18.48	<=30	Pass
		75	0	19.06	-0.60	18.46	<=30	Pass
	3500	1	0	18.57	-0.60	17.97	<=30	Pass
			38	18.70	-0.60	18.10	<=30	Pass
			74	18.68	-0.60	18.08	<=30	Pass
		36	0	18.86	-0.60	18.26	<=30	Pass
			18	18.85	-0.60	18.25	<=30	Pass
			39	18.93	-0.60	18.33	<=30	Pass
		75	0	18.82	-0.60	18.22	<=30	Pass
	3542.5	1	0	18.62	-0.60	18.02	<=30	Pass
			38	18.43	-0.60	17.83	<=30	Pass
			74	18.56	-0.60	17.96	<=30	Pass
		36	0	18.77	-0.60	18.17	<=30	Pass
			18	18.75	-0.60	18.15	<=30	Pass
			39	18.78	-0.60	18.18	<=30	Pass
		75	0	18.75	-0.60	18.15	<=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	23.77	-0.60	23.17	<=30	Pass
			50	23.78	-0.60	23.18	<=30	Pass
			99	23.66	-0.60	23.06	<=30	Pass
		50	0	22.95	-0.60	22.35	<=30	Pass
			25	22.99	-0.60	22.39	<=30	Pass
			50	22.98	-0.60	22.38	<=30	Pass
		100	0	22.98	-0.60	22.38	<=30	Pass
	3500	1	0	23.53	-0.60	22.93	<=30	Pass
			50	23.70	-0.60	23.10	<=30	Pass
			99	23.68	-0.60	23.08	<=30	Pass
		50	0	22.80	-0.60	22.20	<=30	Pass
			25	22.80	-0.60	22.20	<=30	Pass
			50	22.84	-0.60	22.24	<=30	Pass
		100	0	22.80	-0.60	22.20	<=30	Pass
	3540	1	0	23.75	-0.60	23.15	<=30	Pass
			50	23.57	-0.60	22.97	<=30	Pass
			99	23.58	-0.60	22.98	<=30	Pass
		50	0	22.80	-0.60	22.20	<=30	Pass
			25	22.79	-0.60	22.19	<=30	Pass
			50	22.78	-0.60	22.18	<=30	Pass
		100	0	22.76	-0.60	22.16	<=30	Pass
16QAM	3460	1	0	22.99	-0.60	22.39	<=30	Pass
			50	22.89	-0.60	22.29	<=30	Pass
			99	22.86	-0.60	22.26	<=30	Pass
		50	0	21.97	-0.60	21.37	<=30	Pass
			25	22.04	-0.60	21.44	<=30	Pass



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			50	22.00	-0.60	21.40	<=30	Pass	
		100	0	22.01	-0.60	21.41	<=30	Pass	
	3500	1	0	22.71	-0.60	22.11	<=30	Pass	
			50	22.89	-0.60	22.29	<=30	Pass	
			99	22.86	-0.60	22.26	<=30	Pass	
		50	0	21.82	-0.60	21.22	<=30	Pass	
			25	21.82	-0.60	21.22	<=30	Pass	
			50	21.94	-0.60	21.34	<=30	Pass	
		100	0	21.82	-0.60	21.22	<=30	Pass	
	3540	1	0	22.95	-0.60	22.35	<=30	Pass	
			50	22.80	-0.60	22.20	<=30	Pass	
			99	22.84	-0.60	22.24	<=30	Pass	
		50	0	21.86	-0.60	21.26	<=30	Pass	
			25	21.75	-0.60	21.15	<=30	Pass	
			50	21.79	-0.60	21.19	<=30	Pass	
100		0	21.78	-0.60	21.18	<=30	Pass		
64QAM	3460	1	0	22.98	-0.60	22.38	<=30	Pass	
			50	22.78	-0.60	22.18	<=30	Pass	
			99	22.57	-0.60	21.97	<=30	Pass	
		50	0	21.93	-0.60	21.33	<=30	Pass	
			25	22.01	-0.60	21.41	<=30	Pass	
			50	21.97	-0.60	21.37	<=30	Pass	
		100	0	22.10	-0.60	21.50	<=30	Pass	
	3500	1	0	22.41	-0.60	21.81	<=30	Pass	
			50	22.63	-0.60	22.03	<=30	Pass	
			99	22.49	-0.60	21.89	<=30	Pass	
		50	0	21.79	-0.60	21.19	<=30	Pass	
			25	21.82	-0.60	21.22	<=30	Pass	
			50	21.89	-0.60	21.29	<=30	Pass	
		100	0	21.87	-0.60	21.27	<=30	Pass	
	3540	1	0	22.64	-0.60	22.04	<=30	Pass	
			50	22.48	-0.60	21.88	<=30	Pass	
			99	22.53	-0.60	21.93	<=30	Pass	
		50	0	21.79	-0.60	21.19	<=30	Pass	
			25	21.69	-0.60	21.09	<=30	Pass	
			50	21.76	-0.60	21.16	<=30	Pass	
		100	0	21.80	-0.60	21.20	<=30	Pass	
	256QAM	3460	1	0	18.87	-0.60	18.27	<=30	Pass
				50	18.74	-0.60	18.14	<=30	Pass
				99	18.73	-0.60	18.13	<=30	Pass
			50	0	19.06	-0.60	18.46	<=30	Pass
				25	19.12	-0.60	18.52	<=30	Pass
50				19.09	-0.60	18.49	<=30	Pass	
100		0	19.08	-0.60	18.48	<=30	Pass		
3500		1	0	18.48	-0.60	17.88	<=30	Pass	
			50	18.65	-0.60	18.05	<=30	Pass	
			99	18.64	-0.60	18.04	<=30	Pass	
		50	0	18.87	-0.60	18.27	<=30	Pass	
			25	18.95	-0.60	18.35	<=30	Pass	
			50	18.97	-0.60	18.37	<=30	Pass	
		100	0	18.82	-0.60	18.22	<=30	Pass	
3540		1	0	18.75	-0.60	18.15	<=30	Pass	
	50		18.43	-0.60	17.83	<=30	Pass		



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			99	18.59	-0.60	17.99	<=30	Pass
		50	0	18.89	-0.60	18.29	<=30	Pass
			25	18.81	-0.60	18.21	<=30	Pass
			50	18.82	-0.60	18.22	<=30	Pass
		100	0	18.75	-0.60	18.15	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B42a_10MHz

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	3500	50	0	20	3.27	8.400	0.0024	-2.5 to 2.5	Pass
					3.85	6.000	0.0017	-2.5 to 2.5	Pass
					4.43	5.200	0.0015	-2.5 to 2.5	Pass
				-30	3.85	5.200	0.0015	-2.5 to 2.5	Pass
				-20	3.85	8.000	0.0023	-2.5 to 2.5	Pass
				-10	3.85	9.600	0.0027	-2.5 to 2.5	Pass
				0	3.85	8.100	0.0023	-2.5 to 2.5	Pass
				10	3.85	5.300	0.0015	-2.5 to 2.5	Pass
				30	3.85	8.900	0.0025	-2.5 to 2.5	Pass
				40	3.85	5.500	0.0016	-2.5 to 2.5	Pass
				50	3.85	8.300	0.0024	-2.5 to 2.5	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	3500	25	0	4.503	/	Pass
	16QAM	3500	25	0	4.508	/	Pass
	64QAM	3500	25	0	4.515	/	Pass
	256QAM	3500	25	0	4.500	/	Pass
10	QPSK	3500	50	0	8.949	/	Pass
	16QAM	3500	50	0	8.937	/	Pass
	64QAM	3500	50	0	8.954	/	Pass
	256QAM	3500	50	0	8.963	/	Pass
15	QPSK	3500	75	0	13.486	/	Pass
	16QAM	3500	75	0	13.437	/	Pass



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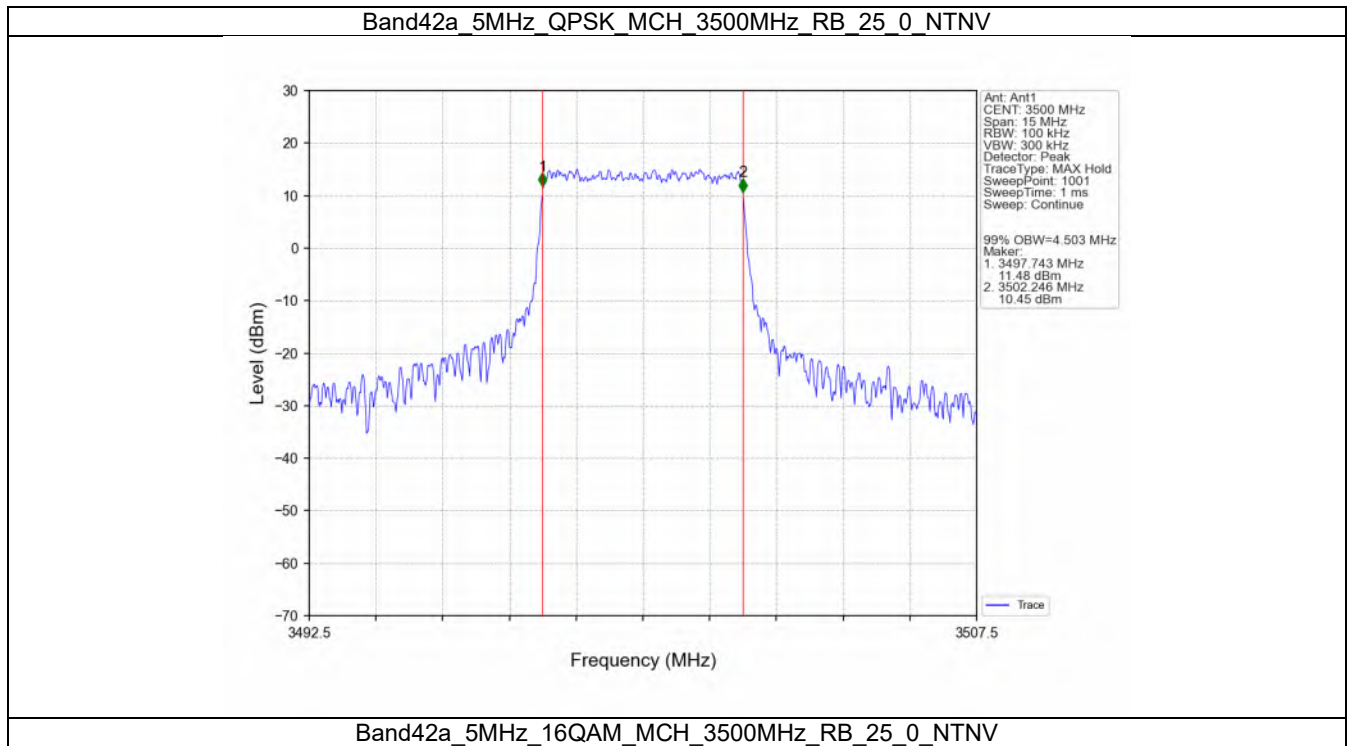
20	64QAM	3500	75	0	13.446	/	Pass
	256QAM	3500	75	0	13.470	/	Pass
	QPSK	3500	100	0	17.885	/	Pass
	16QAM	3500	100	0	17.906	/	Pass
	64QAM	3500	100	0	17.893	/	Pass
	256QAM	3500	100	0	17.889	/	Pass

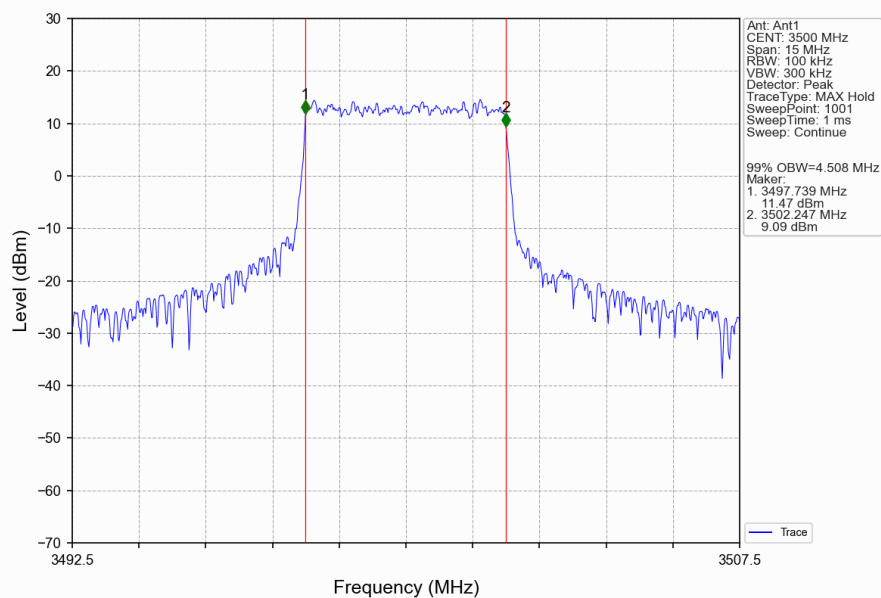
3.1.2 Band42a_XDB

Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	5.095	/	Pass
	16QAM	3500	25	0	4.977	/	Pass
	64QAM	3500	25	0	5.305	/	Pass
	256QAM	3500	25	0	5.200	/	Pass
10	QPSK	3500	50	0	9.674	/	Pass
	16QAM	3500	50	0	9.611	/	Pass
	64QAM	3500	50	0	9.719	/	Pass
	256QAM	3500	50	0	9.635	/	Pass
15	QPSK	3500	75	0	15.243	/	Pass
	16QAM	3500	75	0	14.676	/	Pass
	64QAM	3500	75	0	14.961	/	Pass
	256QAM	3500	75	0	14.595	/	Pass
20	QPSK	3500	100	0	19.331	/	Pass
	16QAM	3500	100	0	19.116	/	Pass
	64QAM	3500	100	0	19.247	/	Pass
	256QAM	3500	100	0	19.235	/	Pass

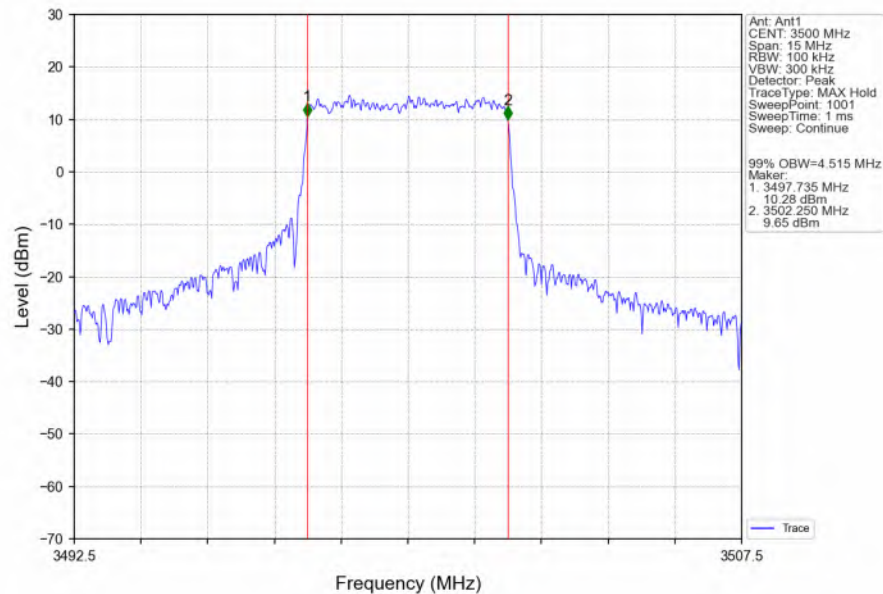
3.2 Test Graph

3.2.1 Band42a_OBW

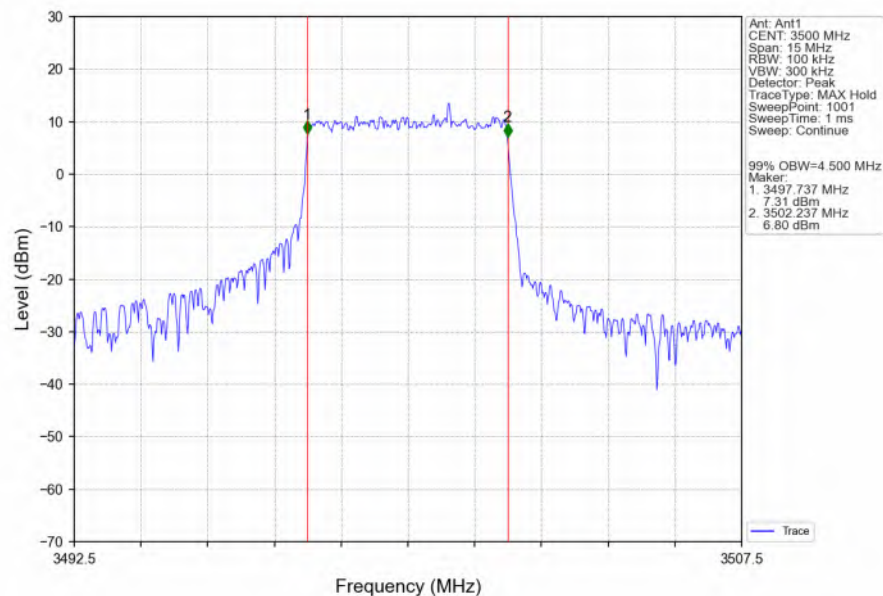




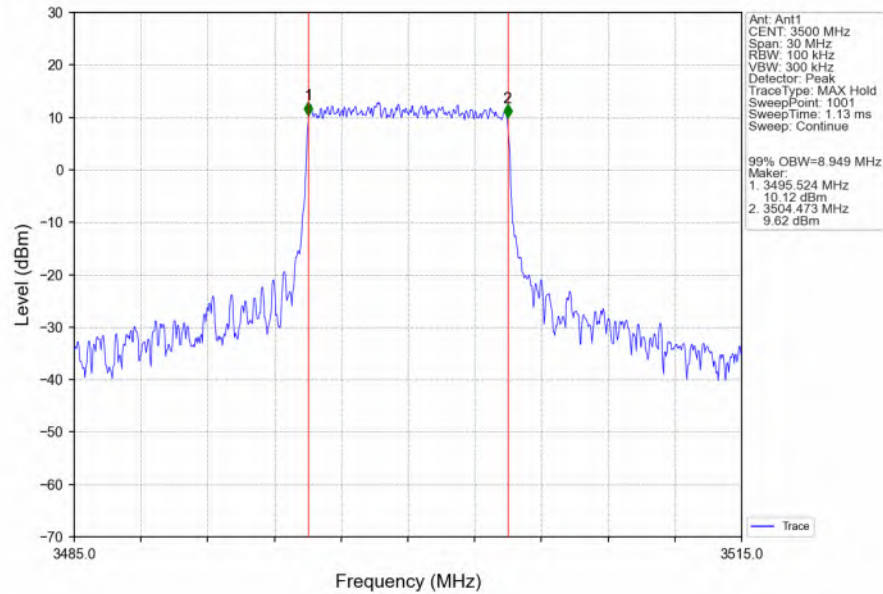
Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



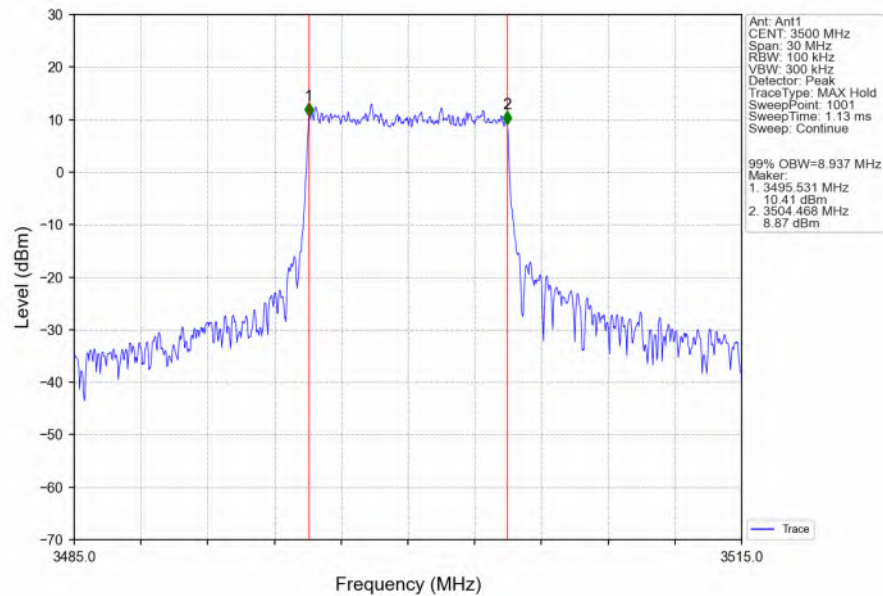
Band42a_5MHz_256QAM_MCH_3500MHz_RB_25_0_NTNV



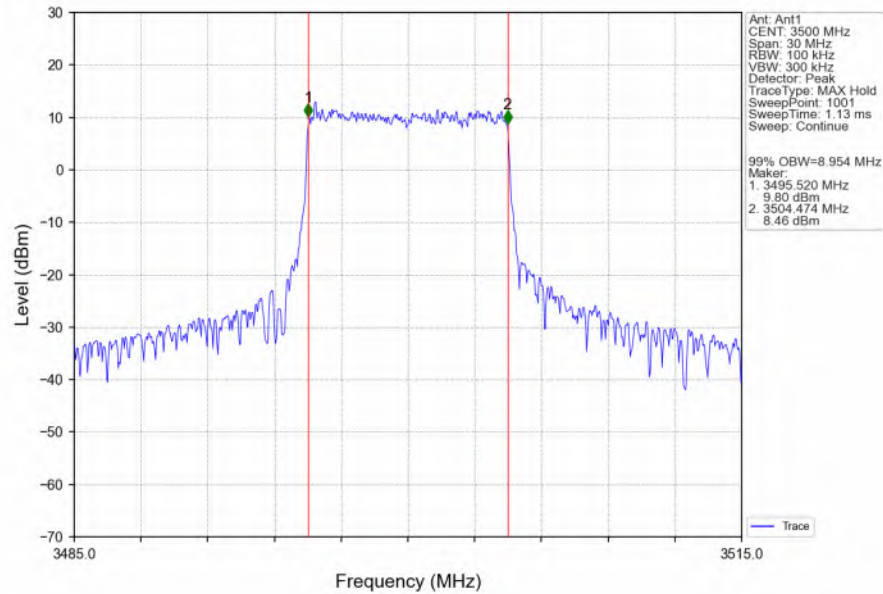
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



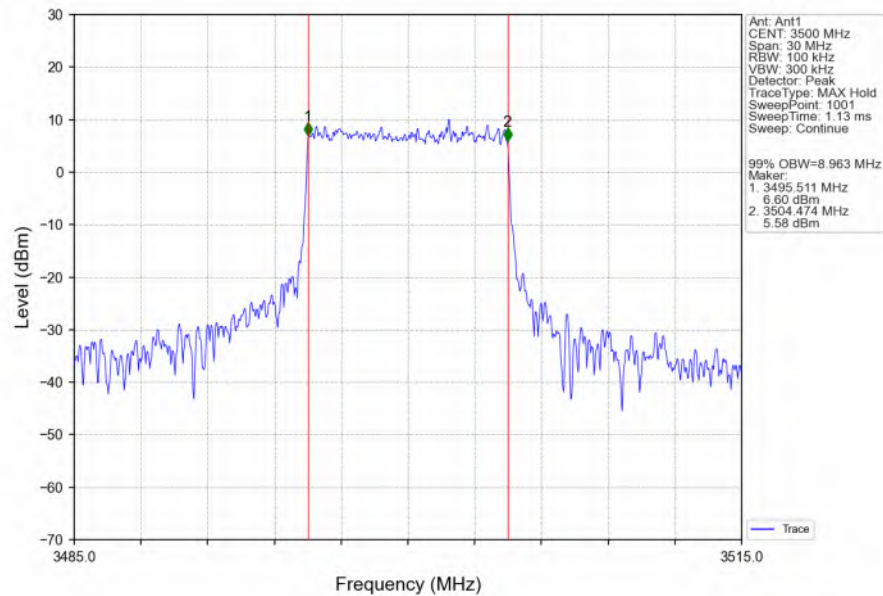
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



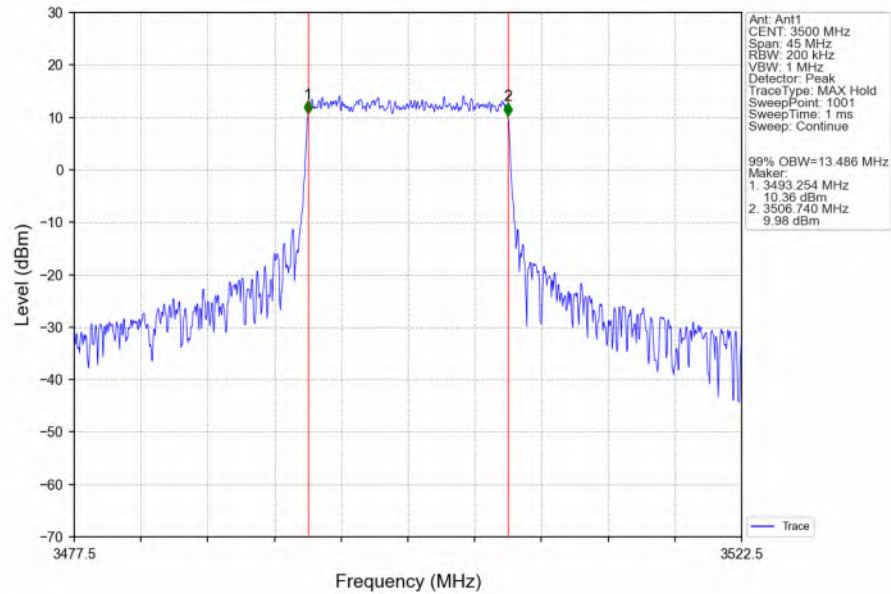
Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



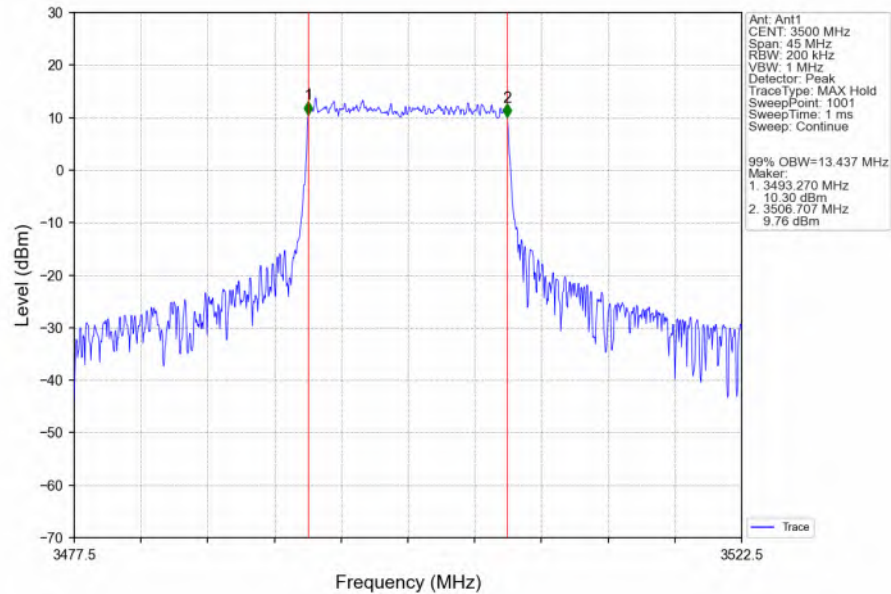
Band42a_10MHz_256QAM_MCH_3500MHz_RB_50_0_NTNV



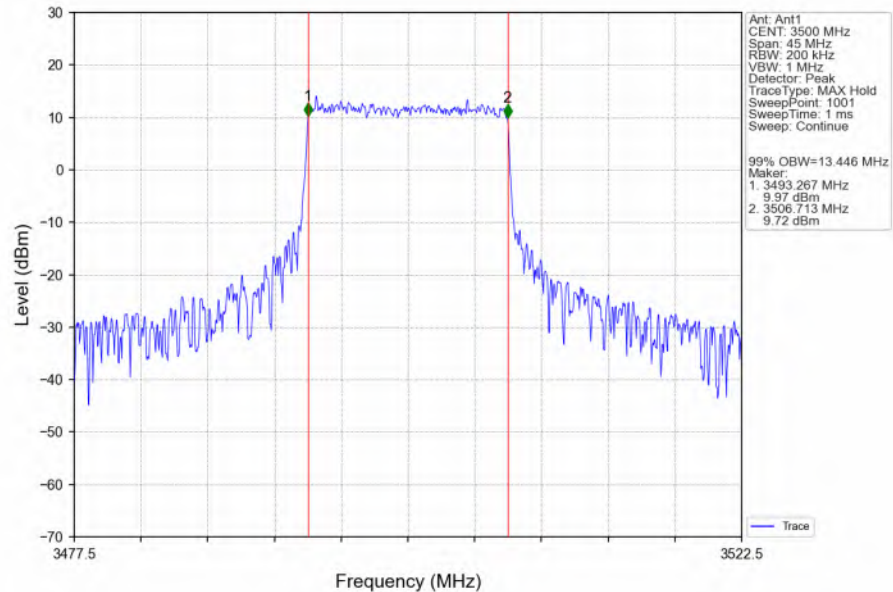
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



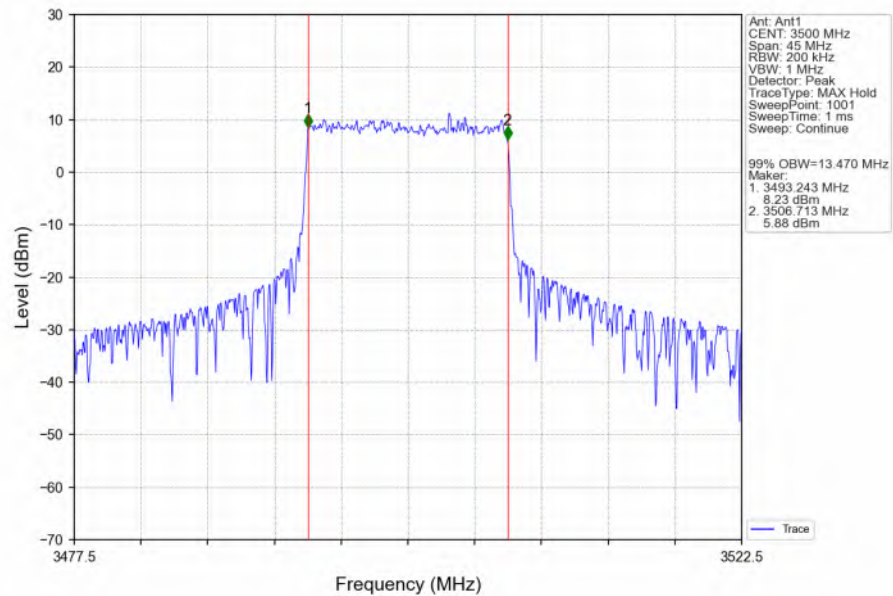
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



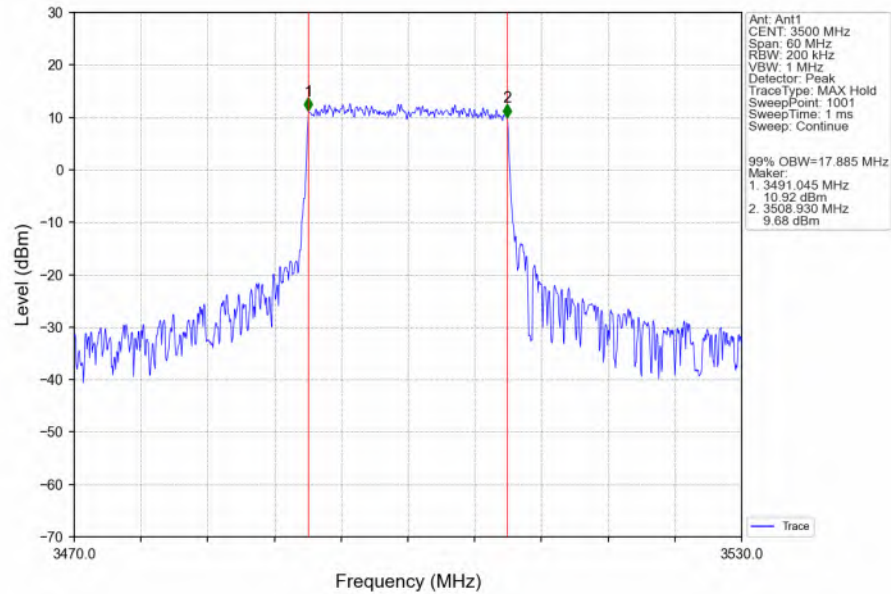
Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



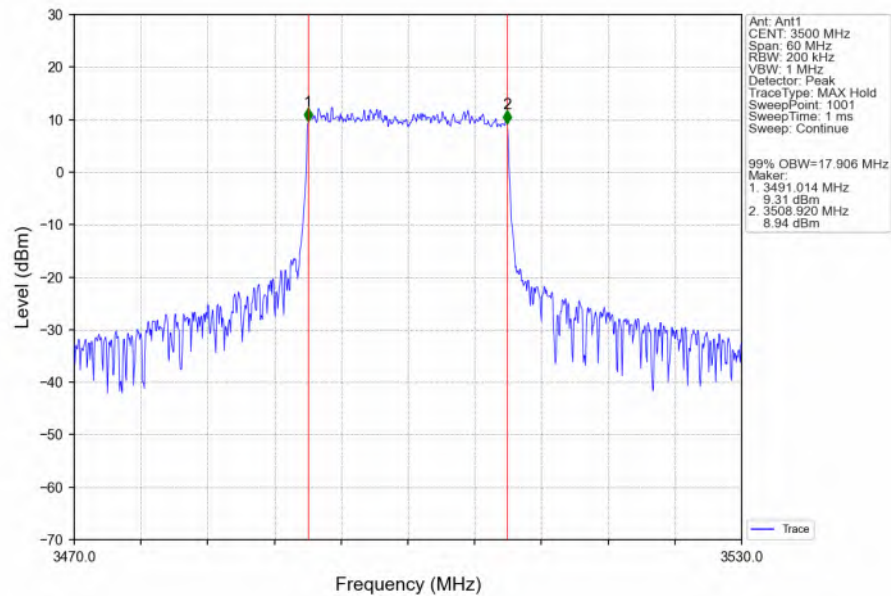
Band42a_15MHz_256QAM_MCH_3500MHz_RB_75_0_NTNV



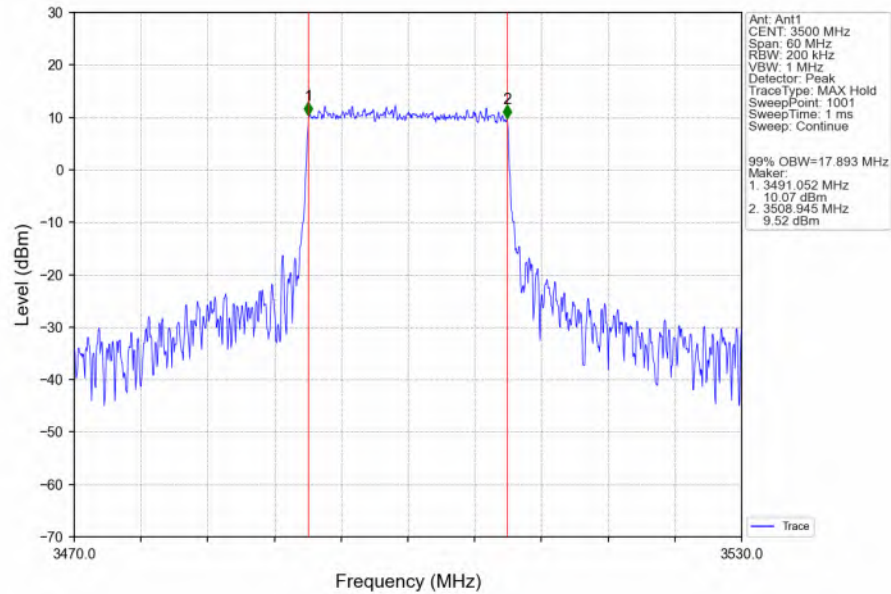
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



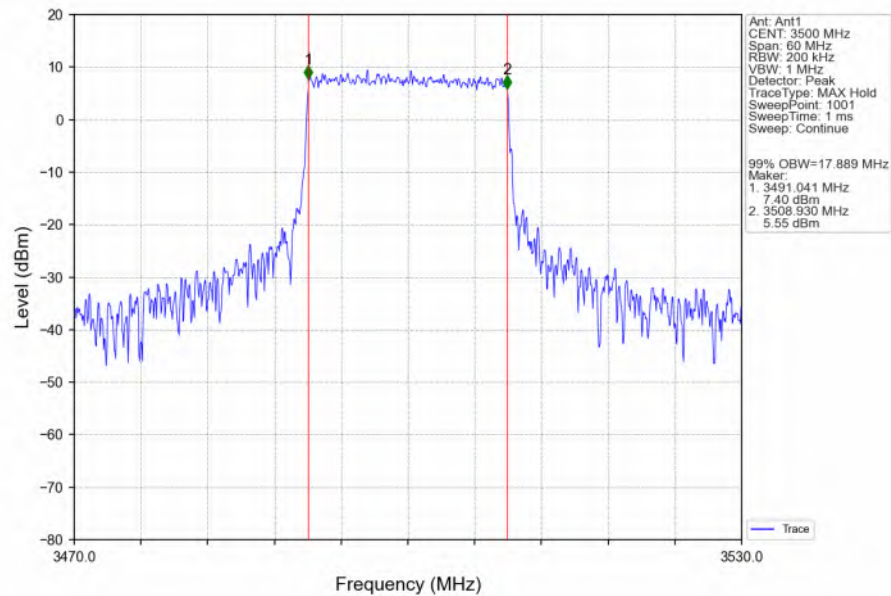
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



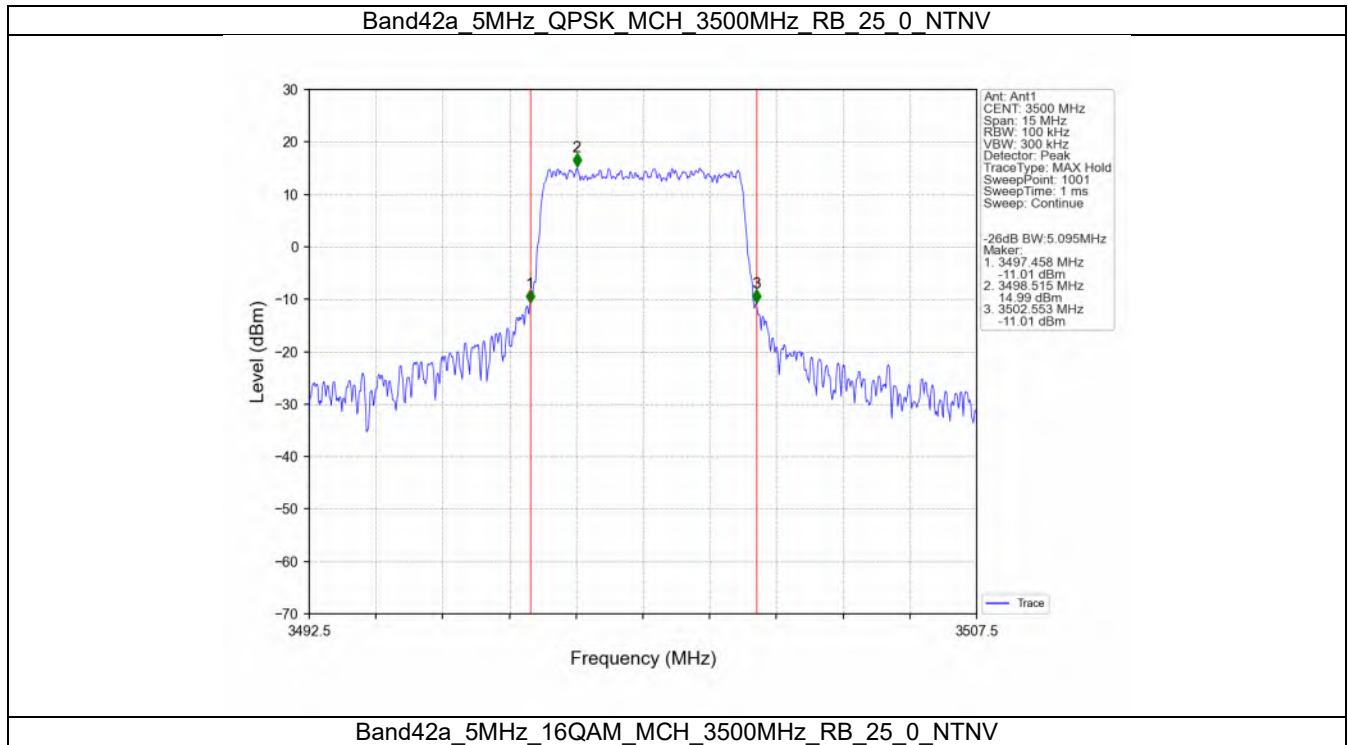
Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV

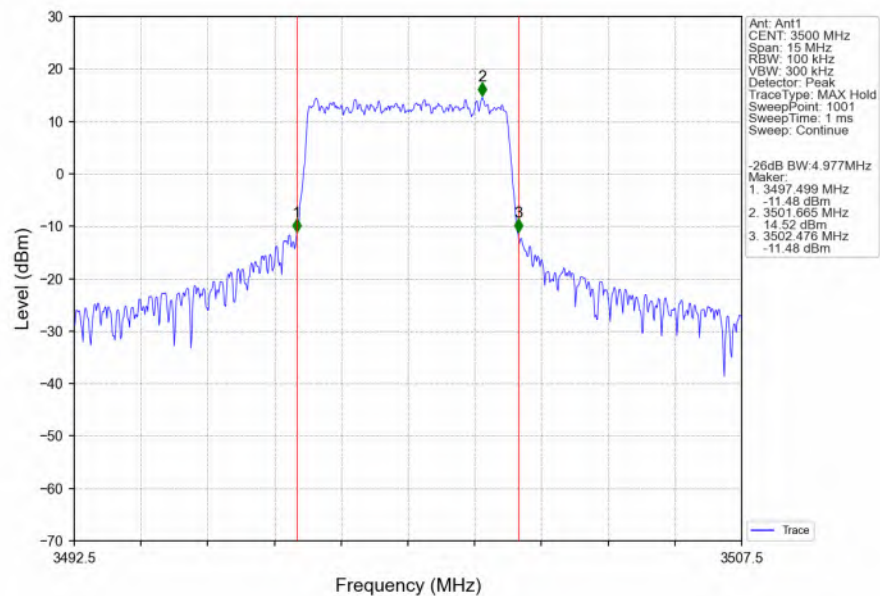


Band42a_20MHz_256QAM_MCH_3500MHz_RB_100_0_NTNV

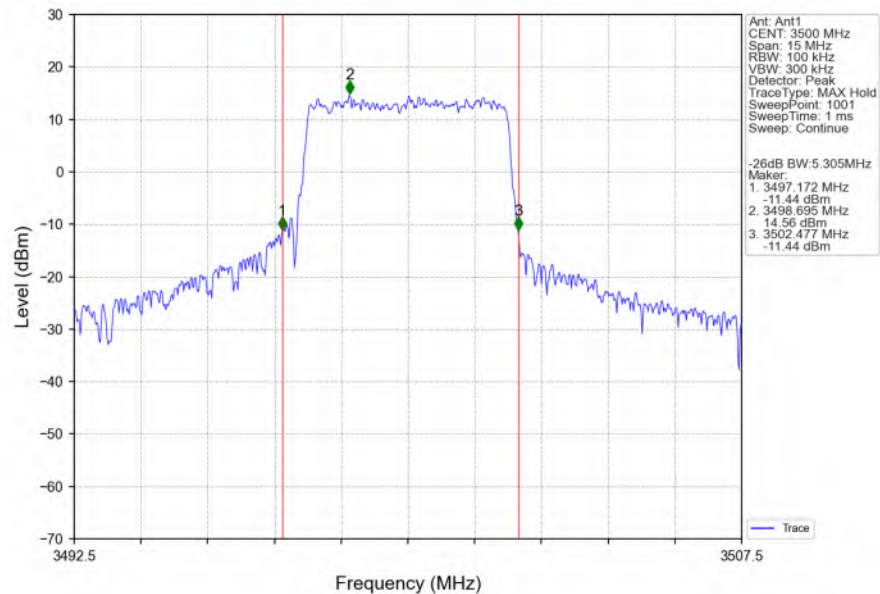


3.2.2 Band42a_XDB

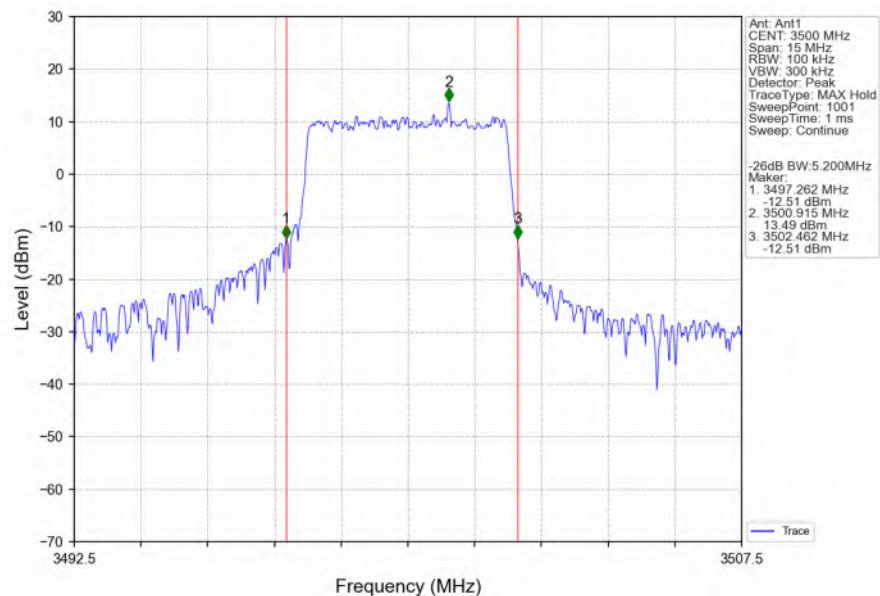




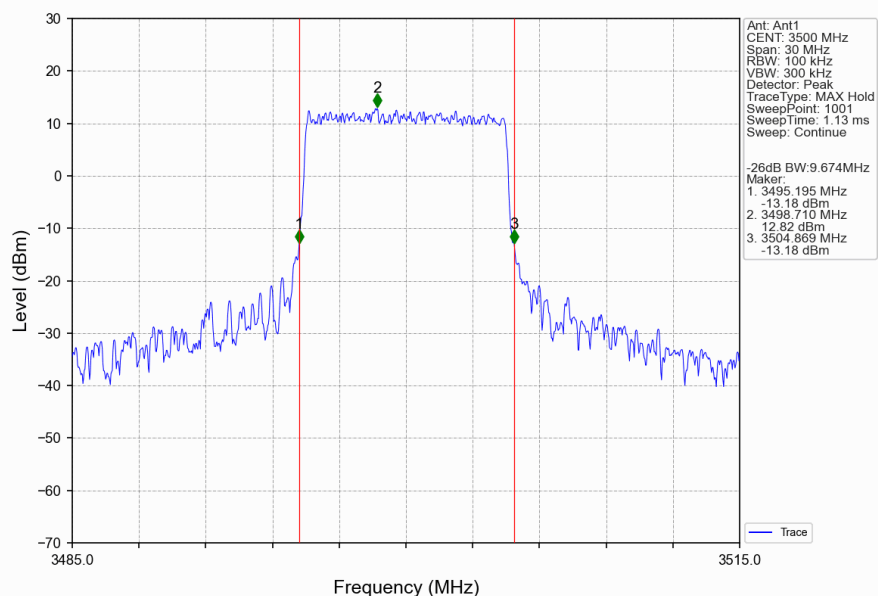
Band42a_5MHz_64QAM_MCH_3500MHz_RB_25_0_NTNV



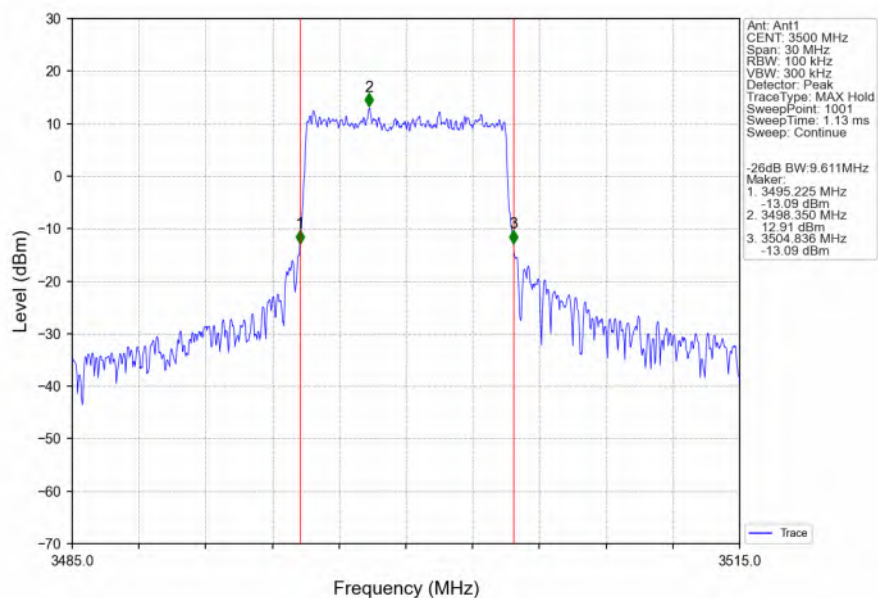
Band42a_5MHz_256QAM_MCH_3500MHz_RB_25_0_NTNV



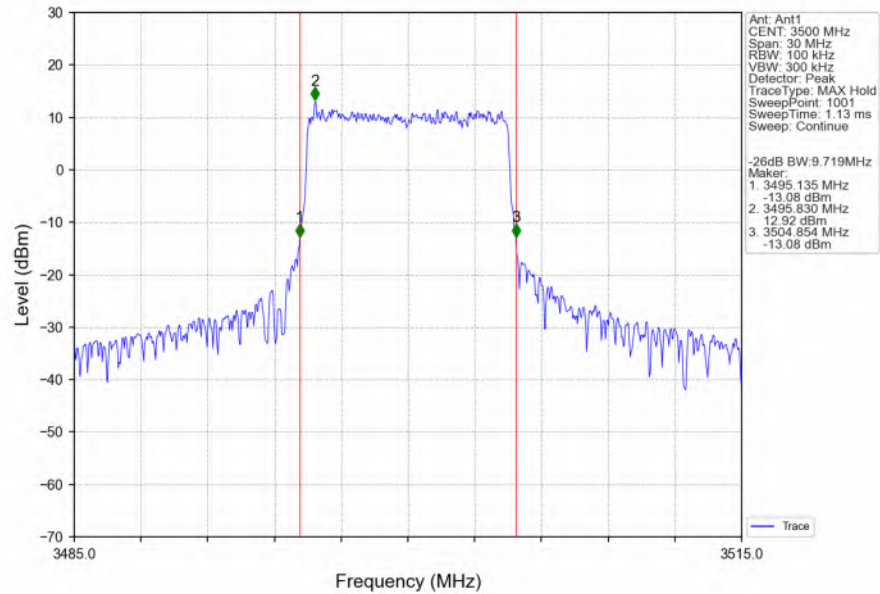
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



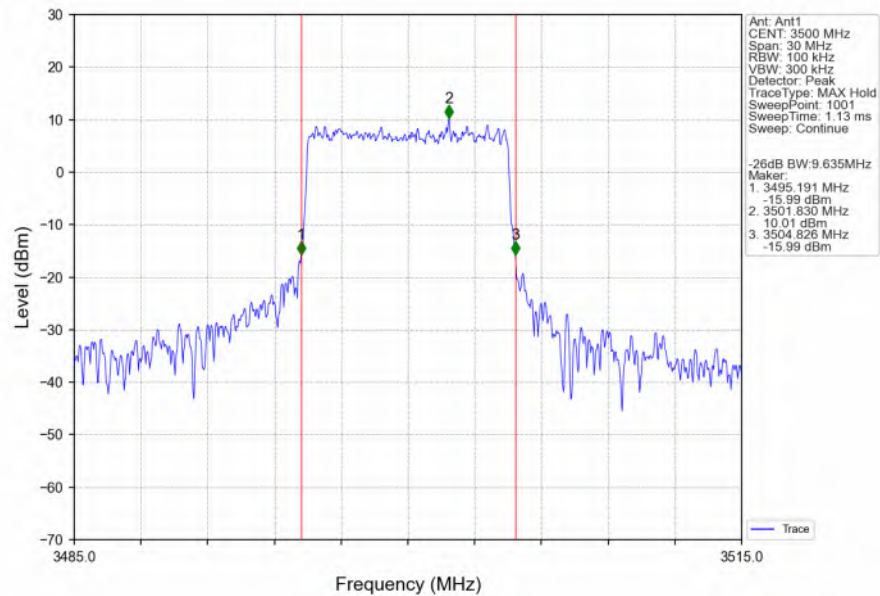
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



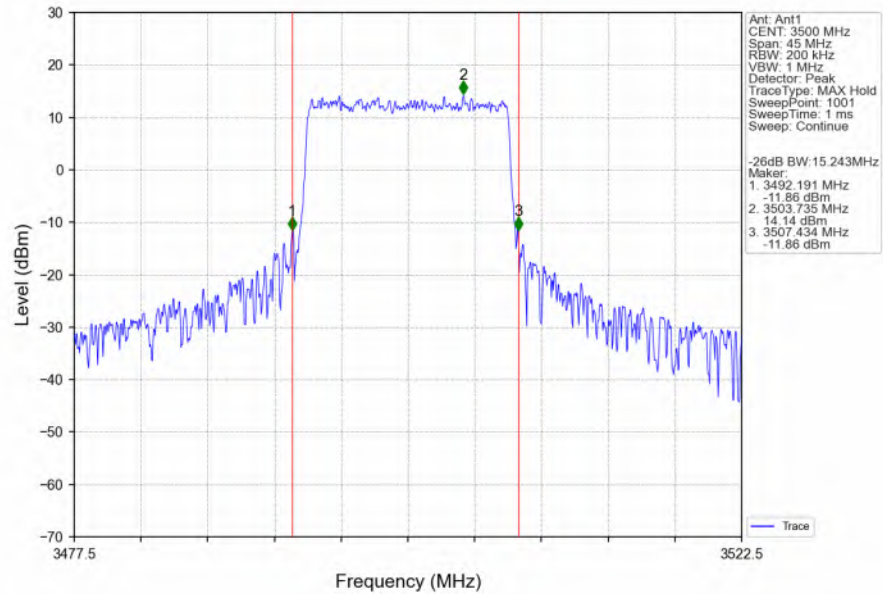
Band42a_10MHz_64QAM_MCH_3500MHz_RB_50_0_NTNV



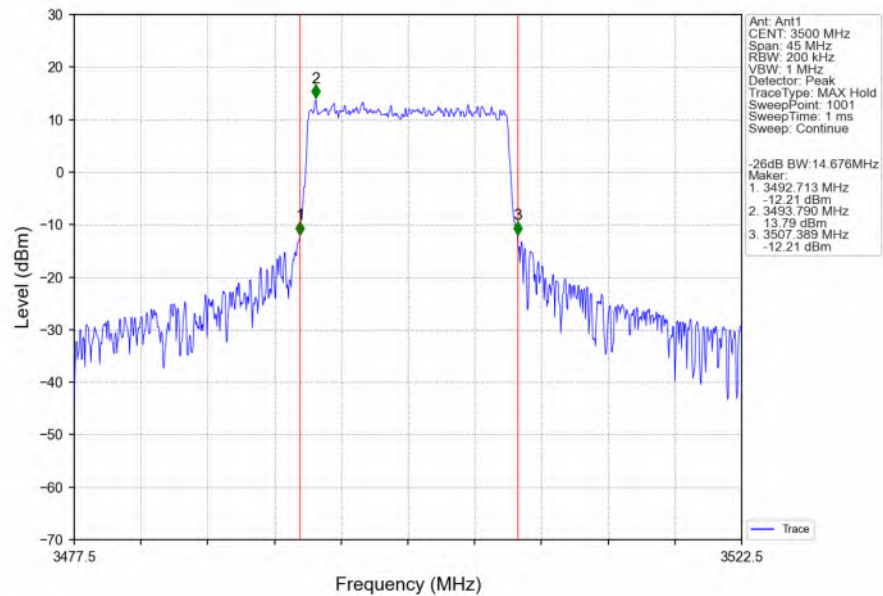
Band42a_10MHz_256QAM_MCH_3500MHz_RB_50_0_NTNV



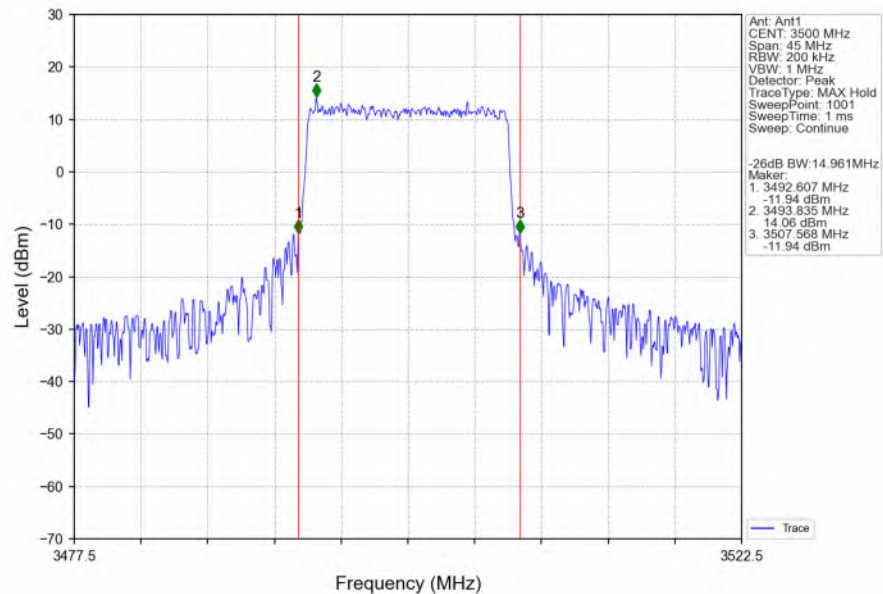
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



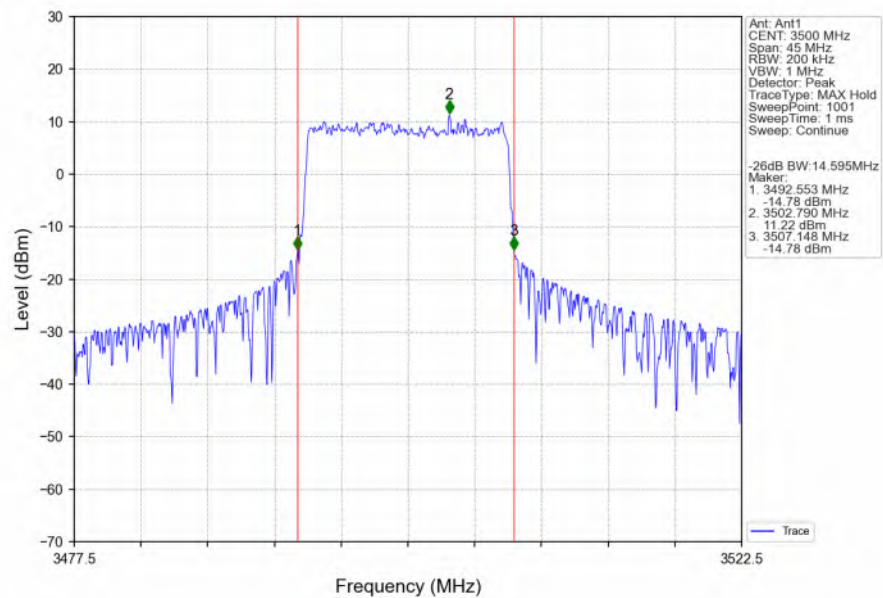
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



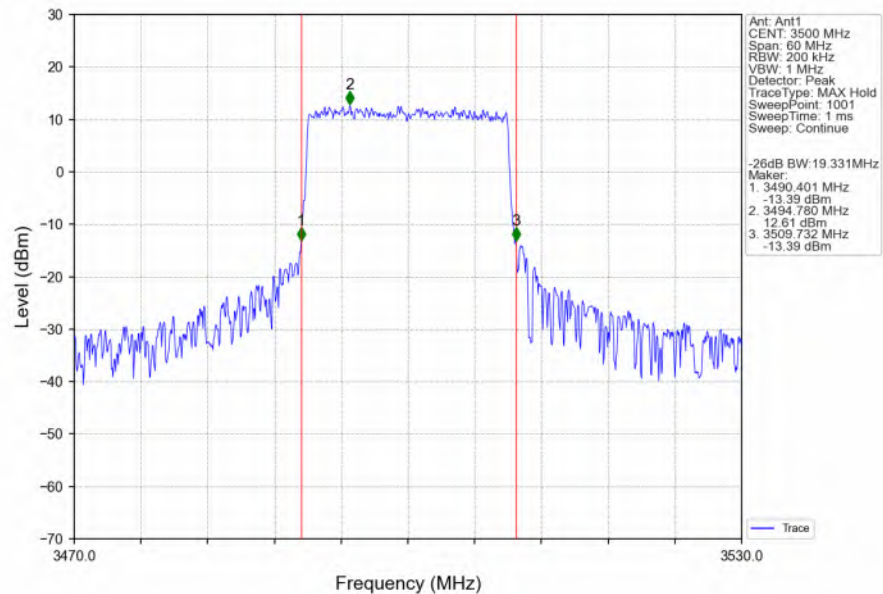
Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



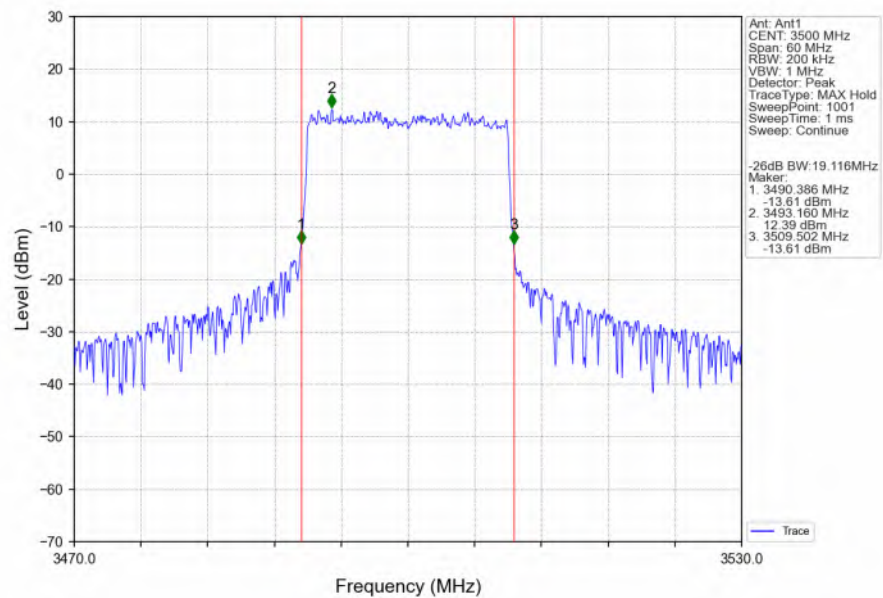
Band42a_15MHz_256QAM_MCH_3500MHz_RB_75_0_NTNV



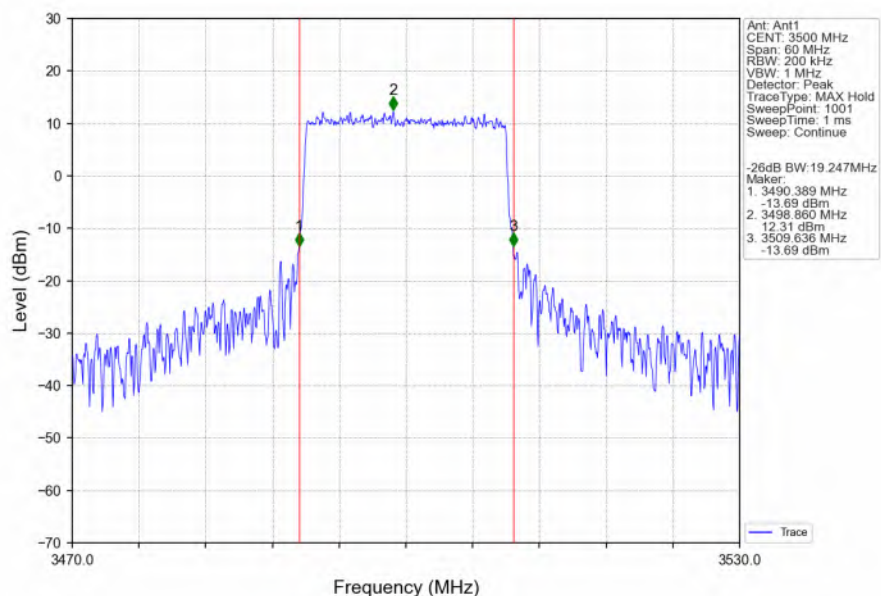
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



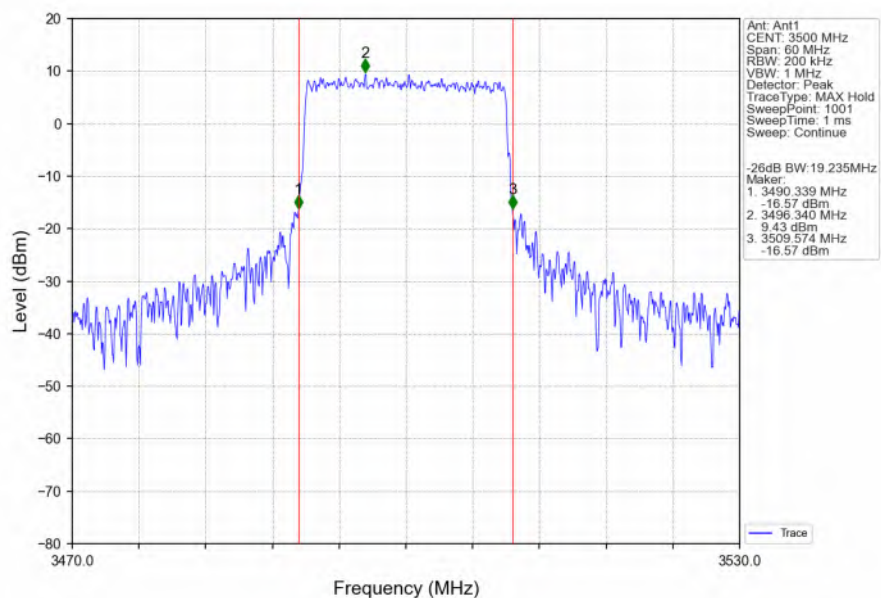
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_256QAM_MCH_3500MHz_RB_100_0_NTNV





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4. Peak-Average Ratio

4.1 Test Result

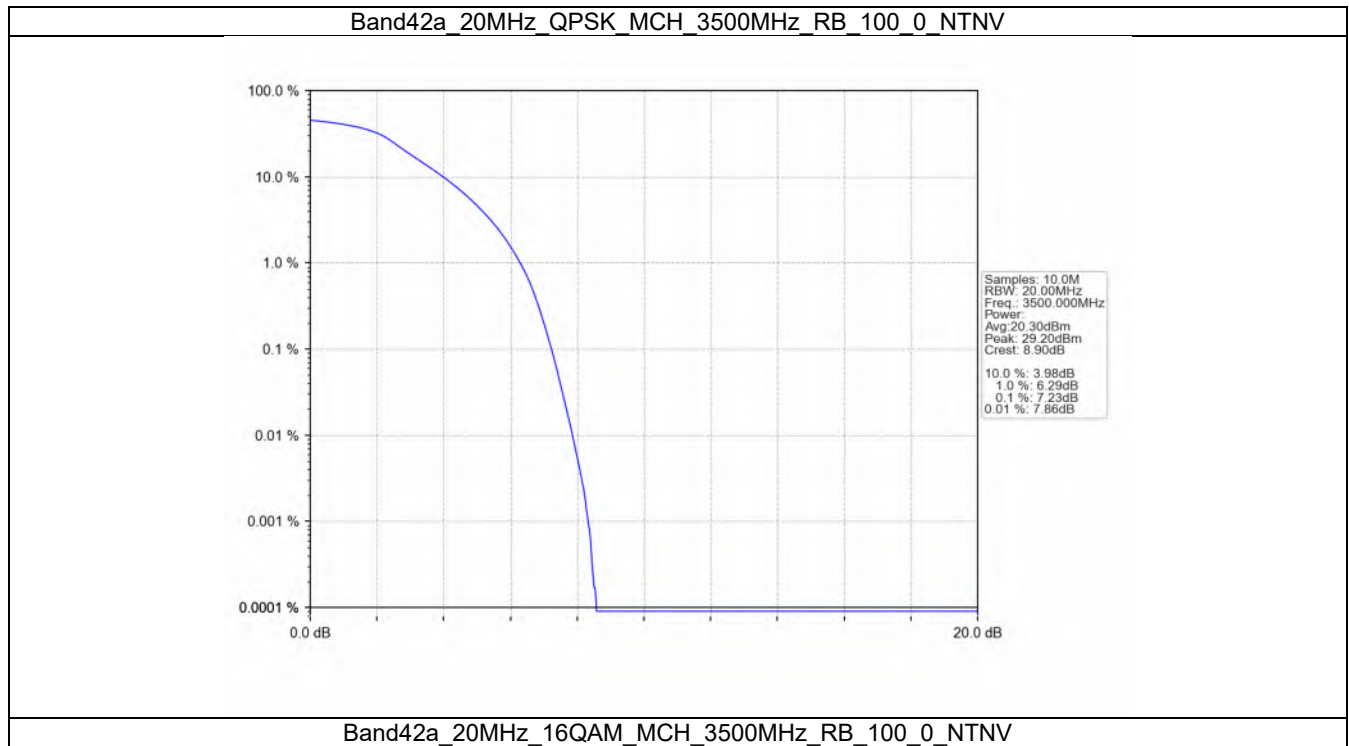
4.1.1 B42a_20MHz

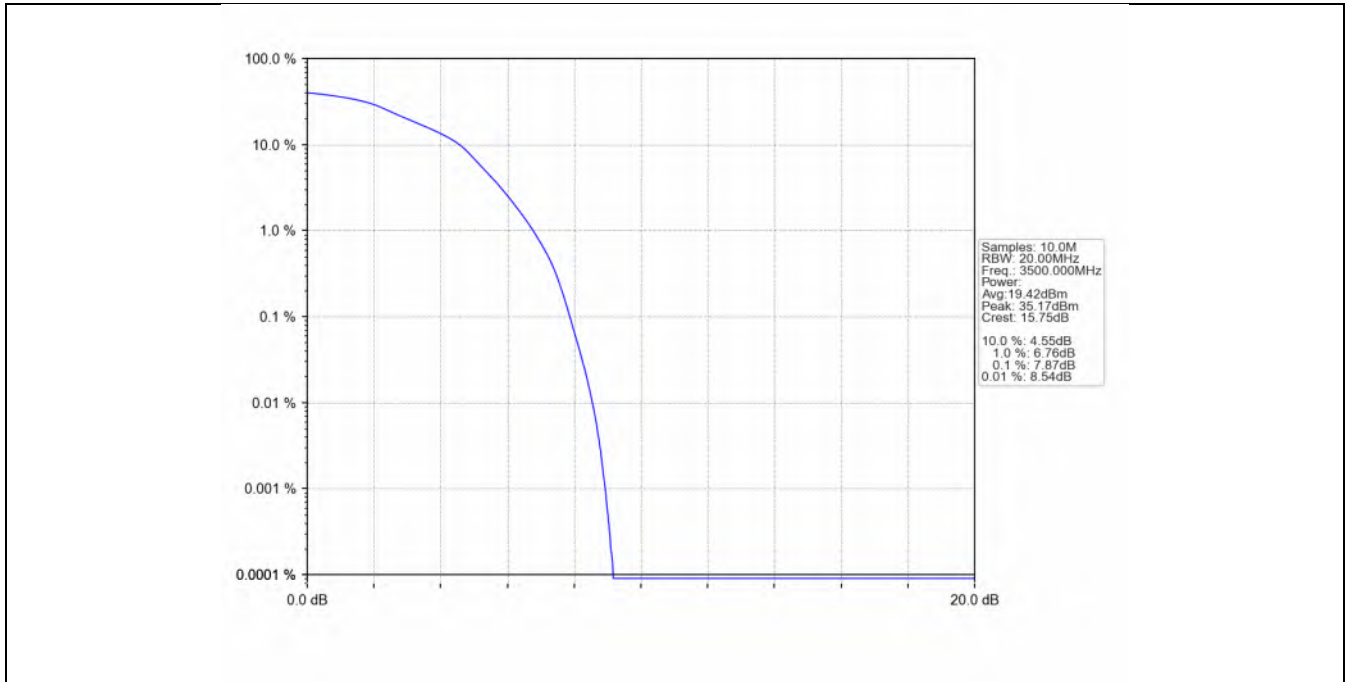
Band: 42a / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3500	100	0	7.23	<=13	Pass
16QAM	3500	100	0	7.87	<=13	Pass
64QAM	3500	100	0	7.85	<=13	Pass
256QAM	3500	100	0	8.48	<=13	Pass



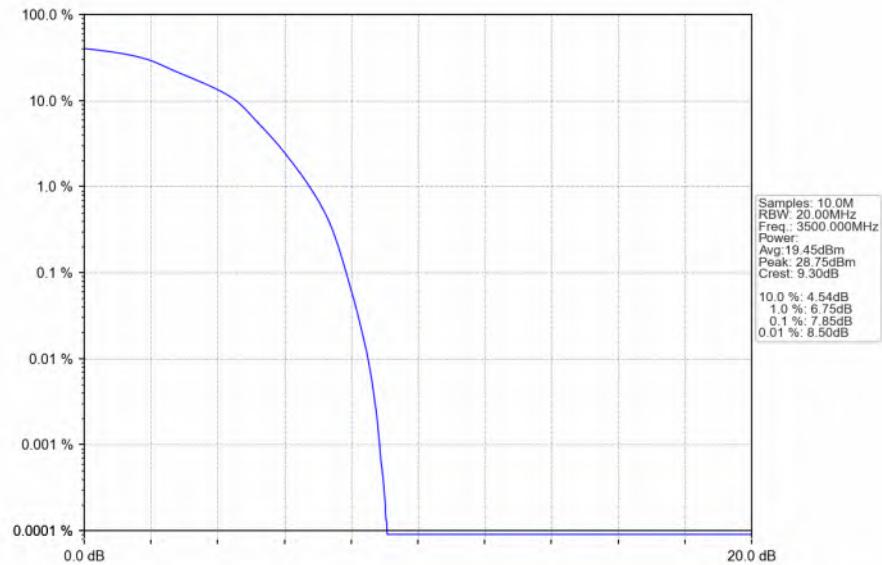
4.2 Test Graph

4.2.1 B42a_20MHz

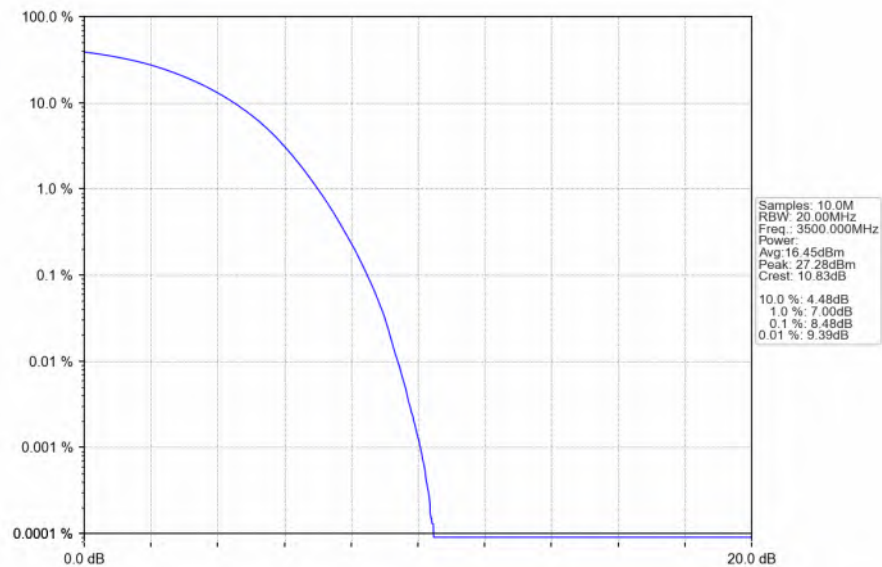




Band42a_20MHz_64QAM_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_256QAM_MCH_3500MHz_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

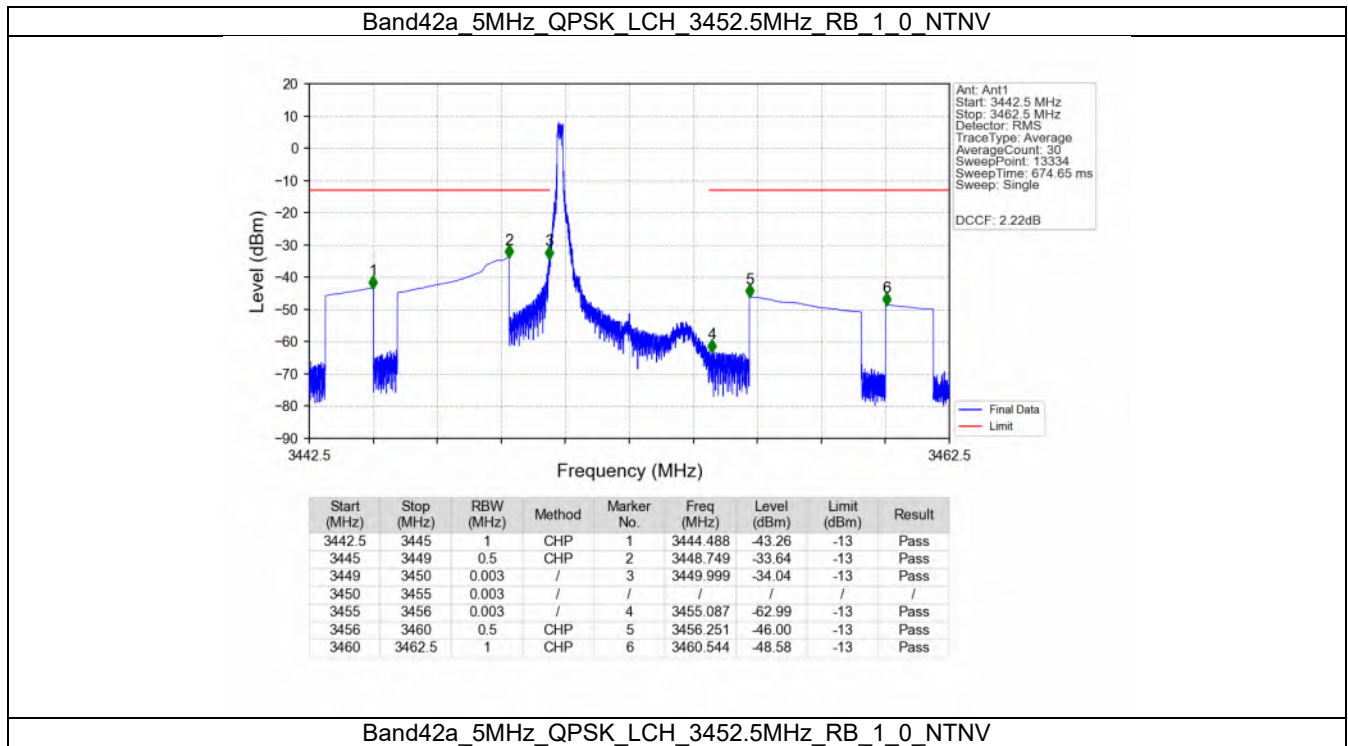
Band: 42a / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict

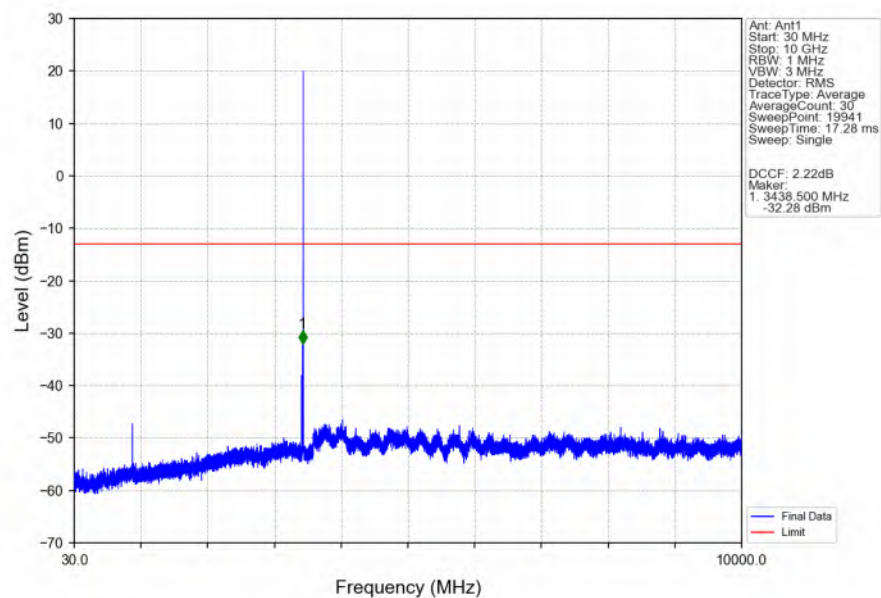


	(MHz)	Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

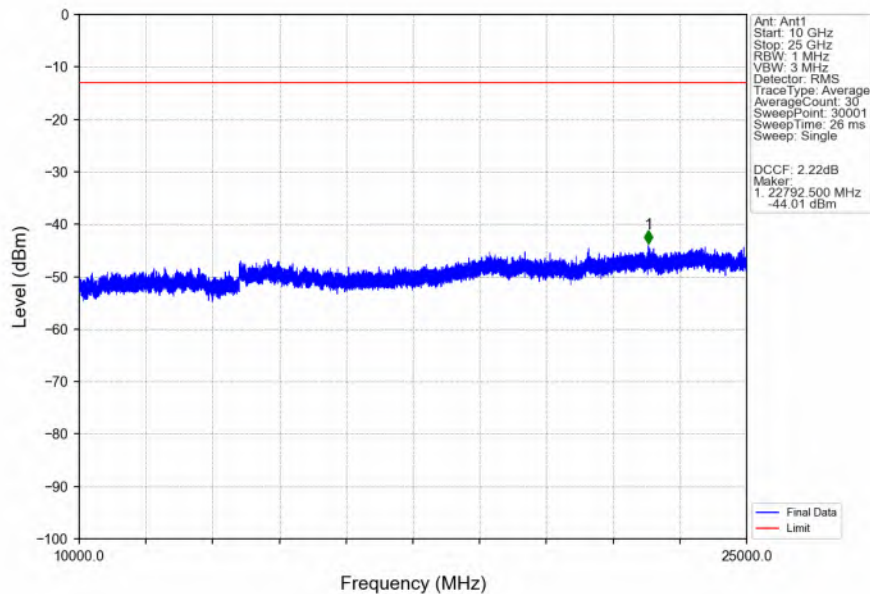
5.2 Test Graph

5.2.1 B42a_5MHz

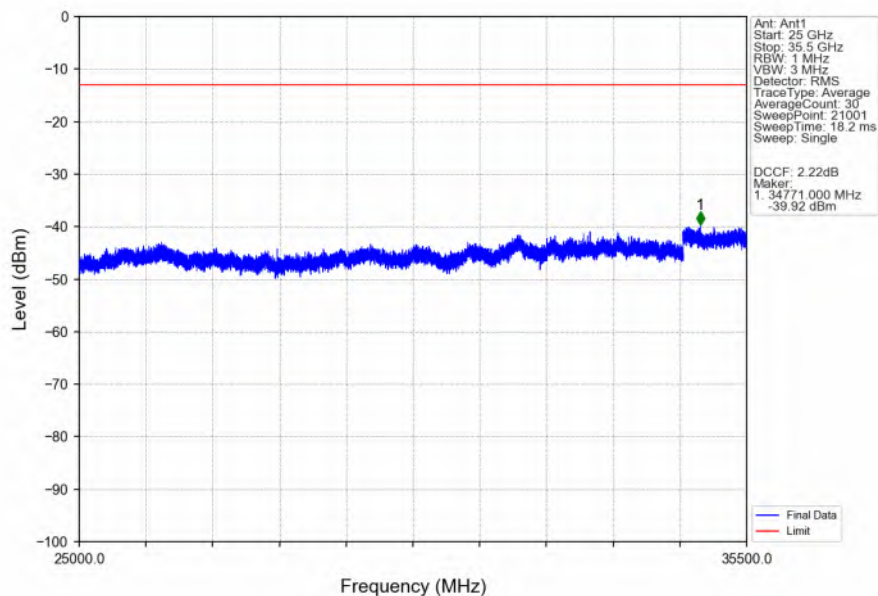




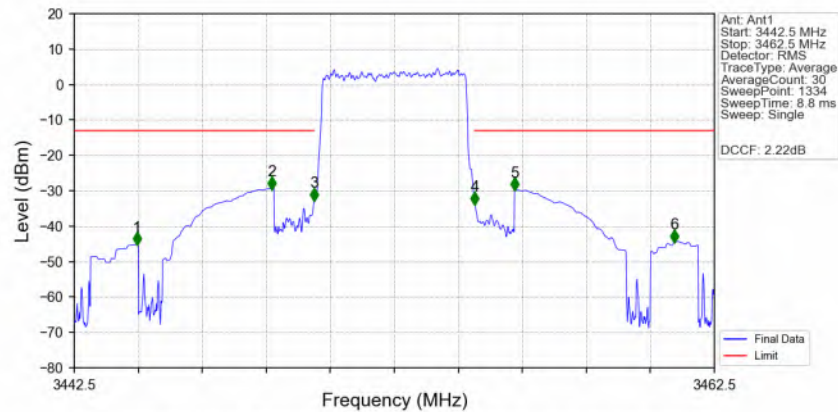
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV

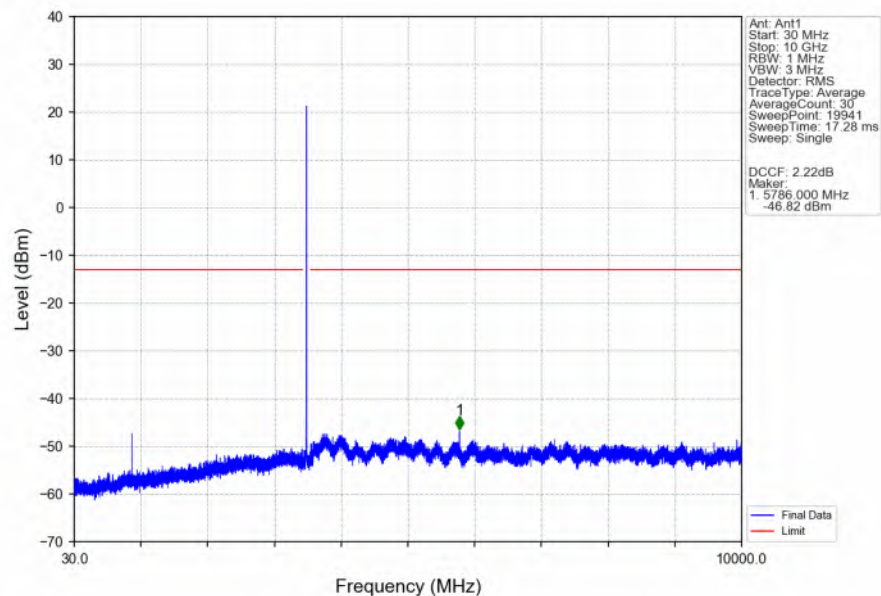


Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV

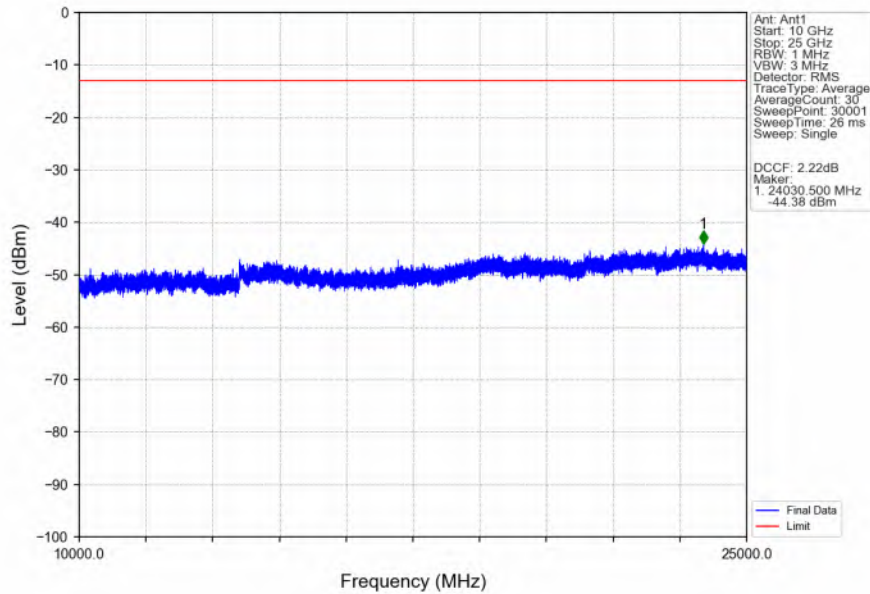


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3442.5	3445	1	CHP	1	3444.450	-45.12	-13	Pass
3445	3449	0.5	CHP	2	3448.682	-29.36	-13	Pass
3449	3450	0.051	CHP	3	3449.987	-32.60	-13	Pass
3450	3455	0.051	CHP	/	/	/	/	/
3455	3456	0.051	CHP	4	3455.013	-33.64	-13	Pass
3456	3460	0.5	CHP	5	3456.258	-29.64	-13	Pass
3460	3462.5	1	CHP	6	3461.255	-44.32	-13	Pass

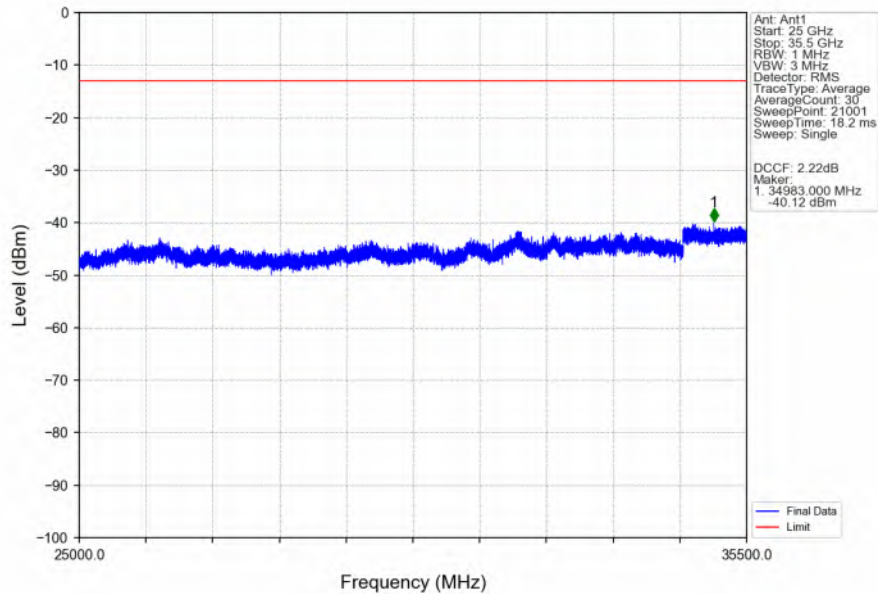
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



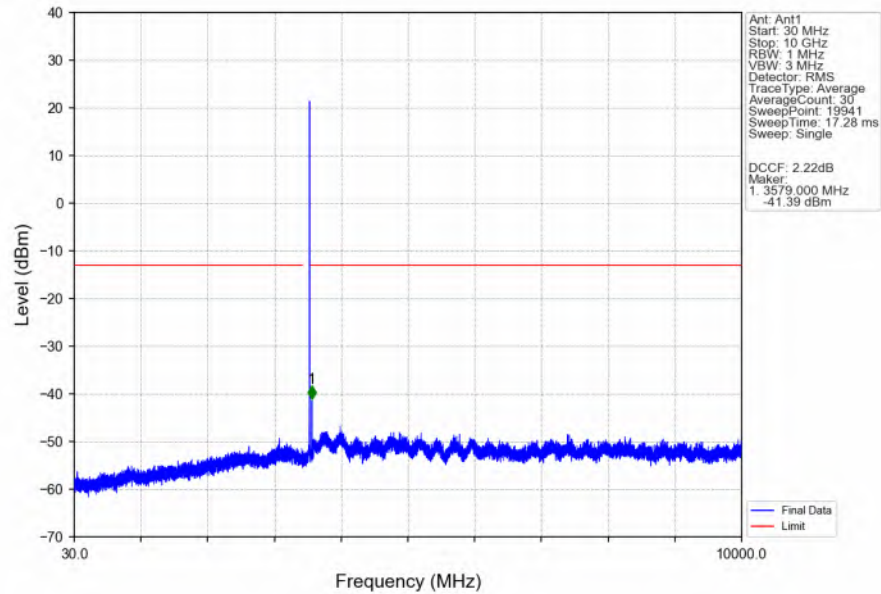
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



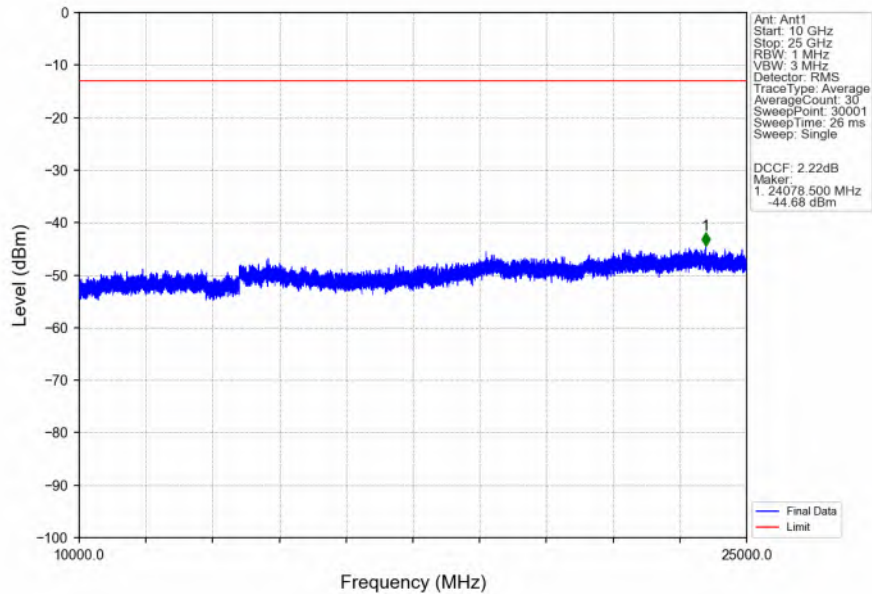
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



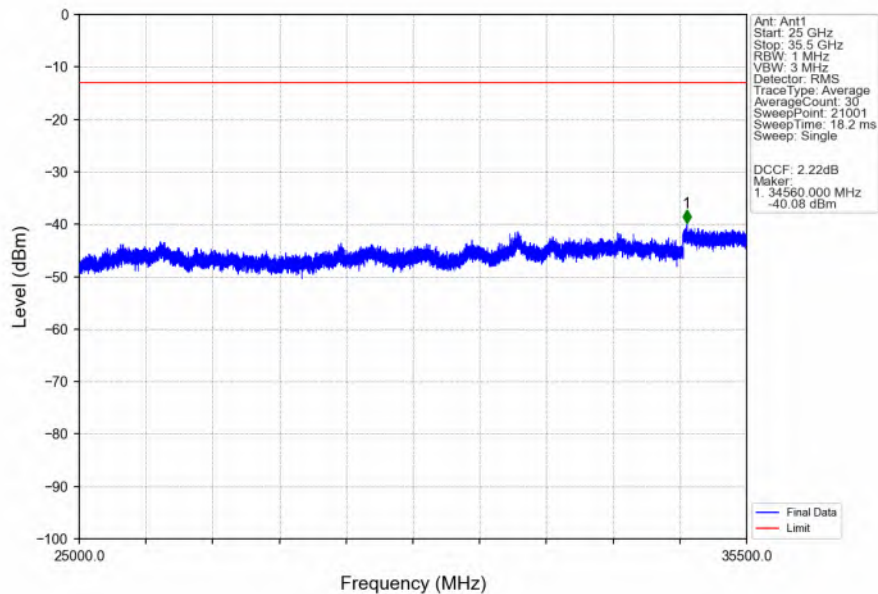
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



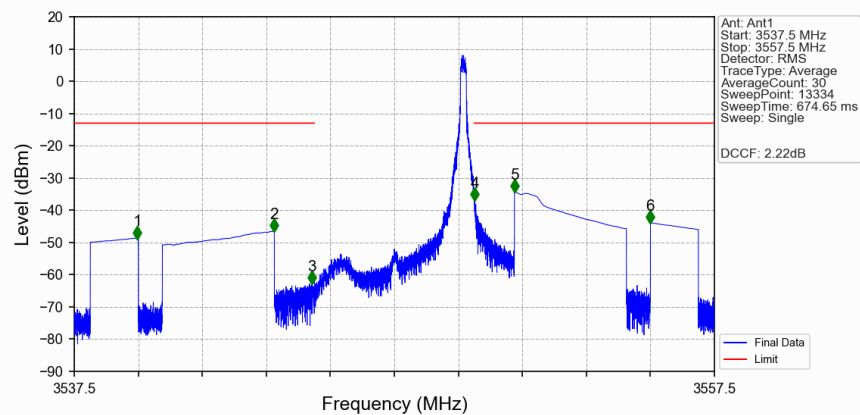
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV

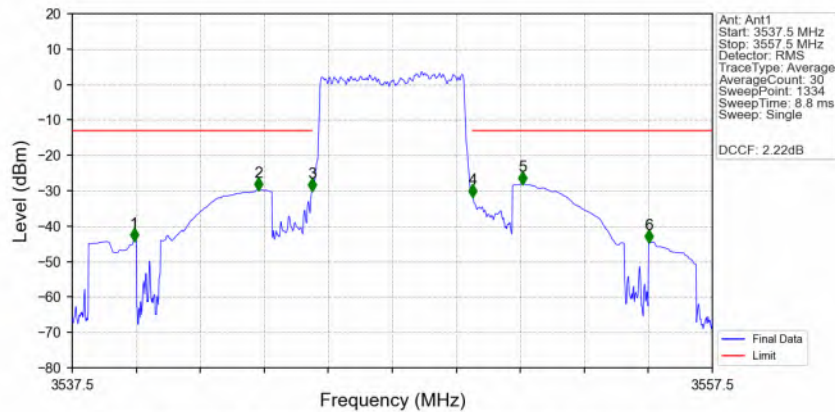


Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_24_NTNV



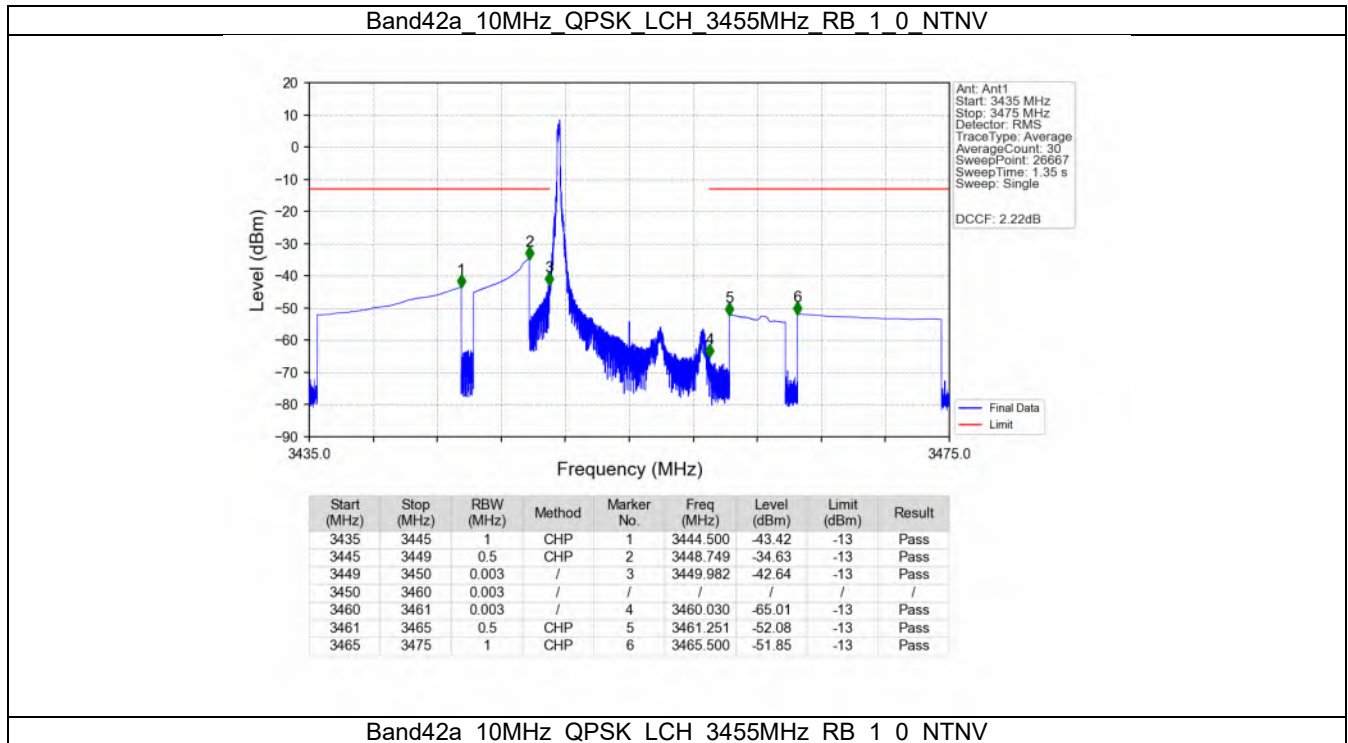
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.473	-48.67	-13	Pass
3540	3544	0.5	CHP	2	3543.746	-46.47	-13	Pass
3544	3545	0.003	/	3	3544.931	-62.58	-13	Pass
3545	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.013	-36.75	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-34.17	-13	Pass
3555	3557.5	1	CHP	6	3555.500	-43.89	-13	Pass

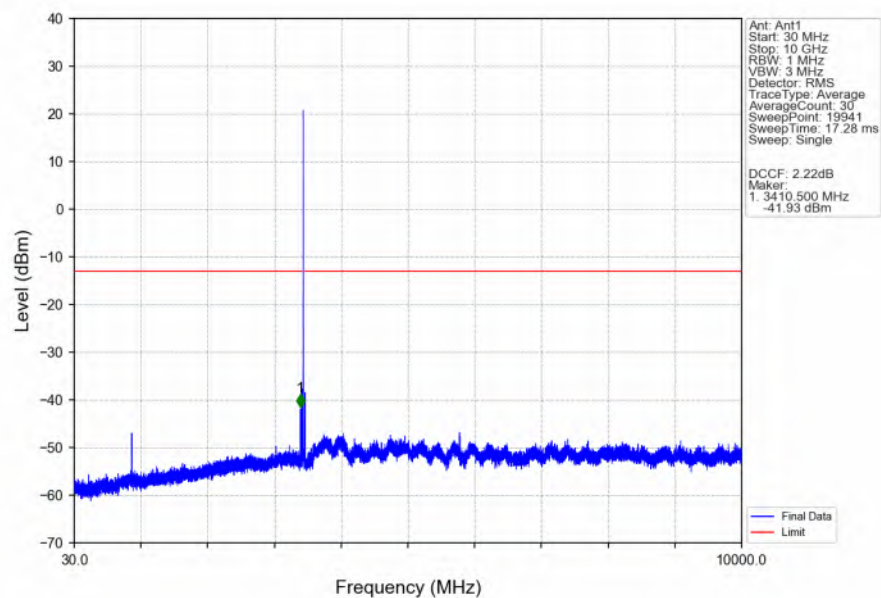
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV



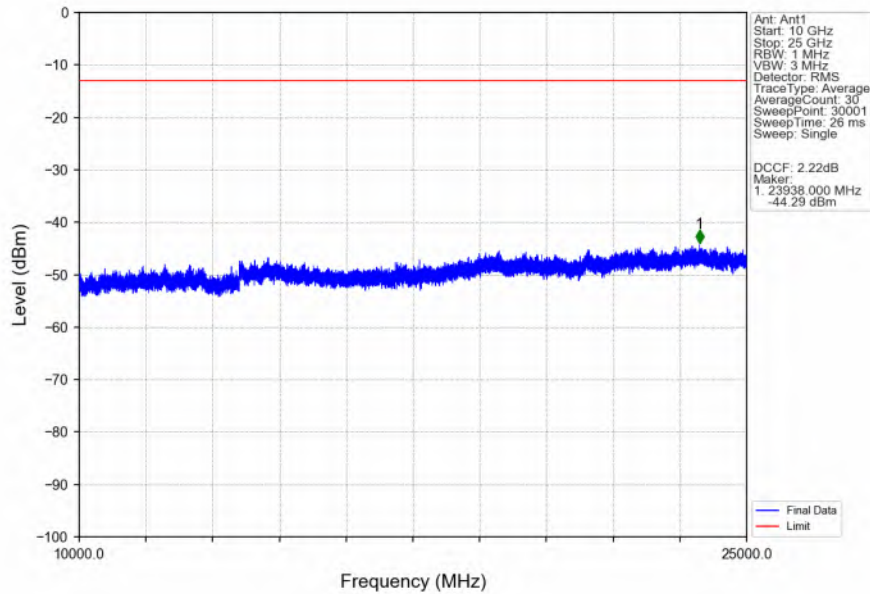
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.435	-43.97	-13	Pass
3540	3544	0.5	CHP	2	3543.321	-29.69	-13	Pass
3544	3545	0.051	CHP	3	3544.987	-29.89	-13	Pass
3545	3550	0.051	CHP	/	/	/	/	/
3550	3551	0.051	CHP	4	3550.013	-31.57	-13	Pass
3551	3555	0.5	CHP	5	3551.574	-28.05	-13	Pass
3555	3557.5	1	CHP	6	3555.505	-44.41	-13	Pass

5.2.2 B42a_10MHz

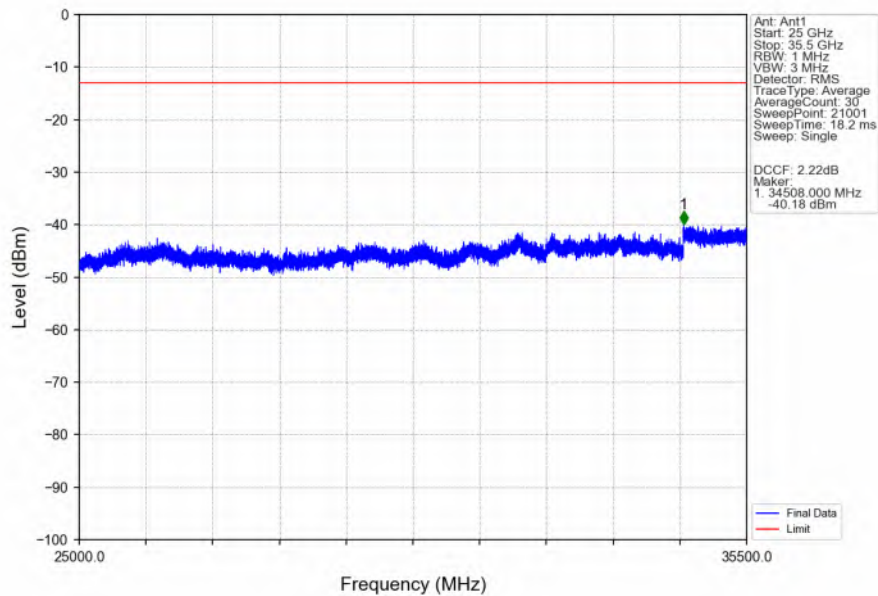




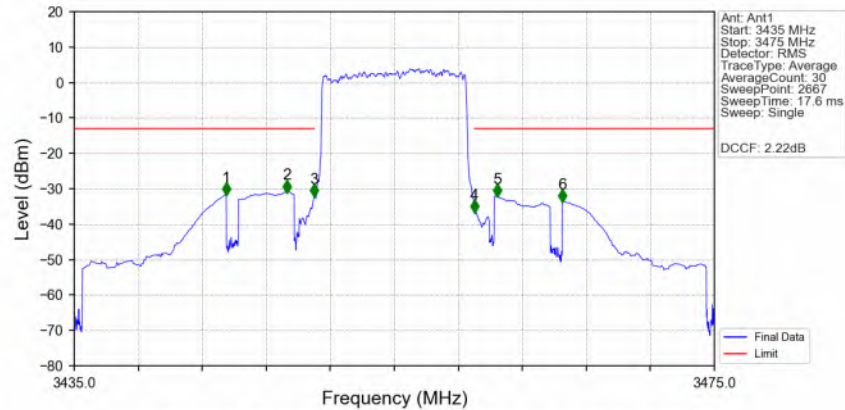
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

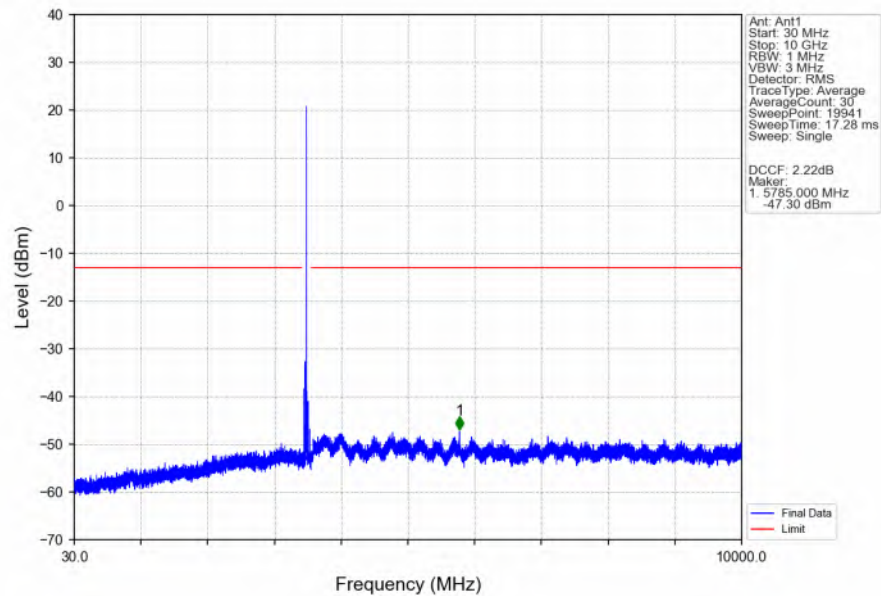


Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV

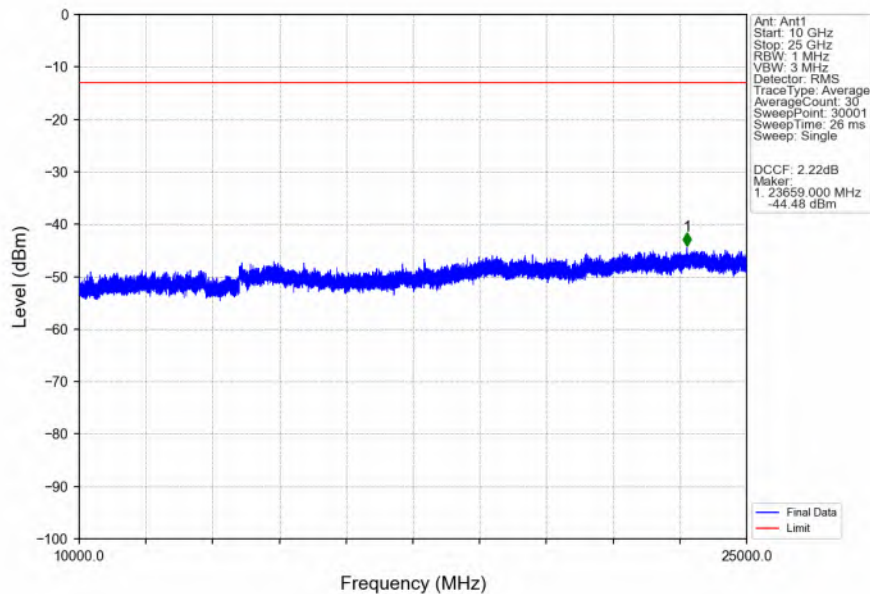


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3444.497	-31.58	-13	Pass
3445	3449	0.5	CHP	2	3448.308	-30.86	-13	Pass
3449	3450	0.097	CHP	3	3449.989	-32.05	-13	Pass
3450	3460	0.097	CHP	/	/	/	/	/
3460	3461	0.097	CHP	4	3460.011	-36.58	-13	Pass
3461	3465	0.5	CHP	5	3461.422	-32.08	-13	Pass
3465	3475	1	CHP	6	3465.503	-33.49	-13	Pass

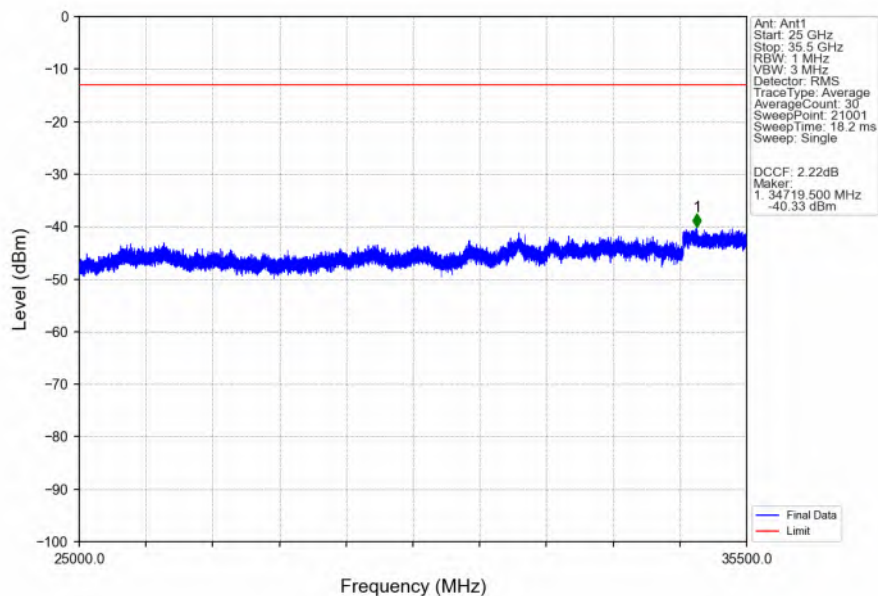
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



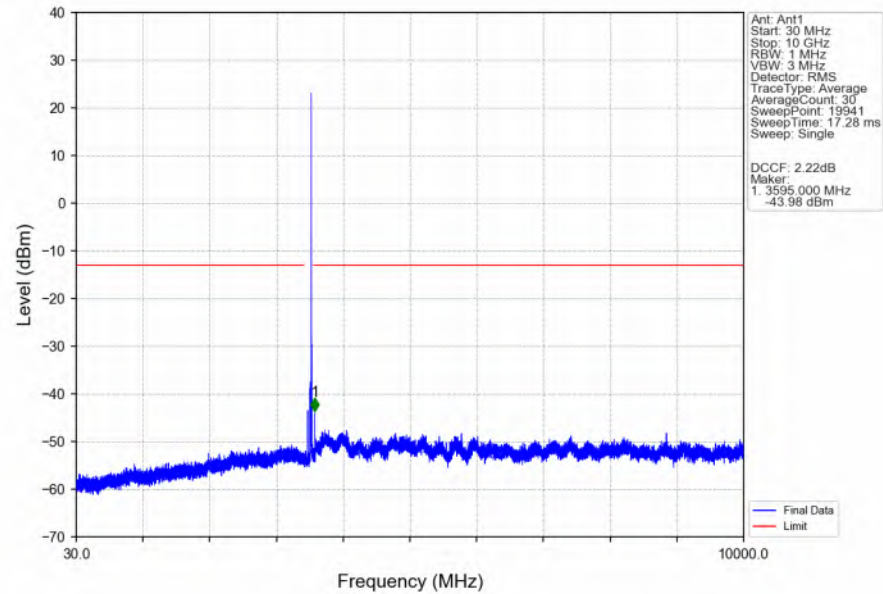
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



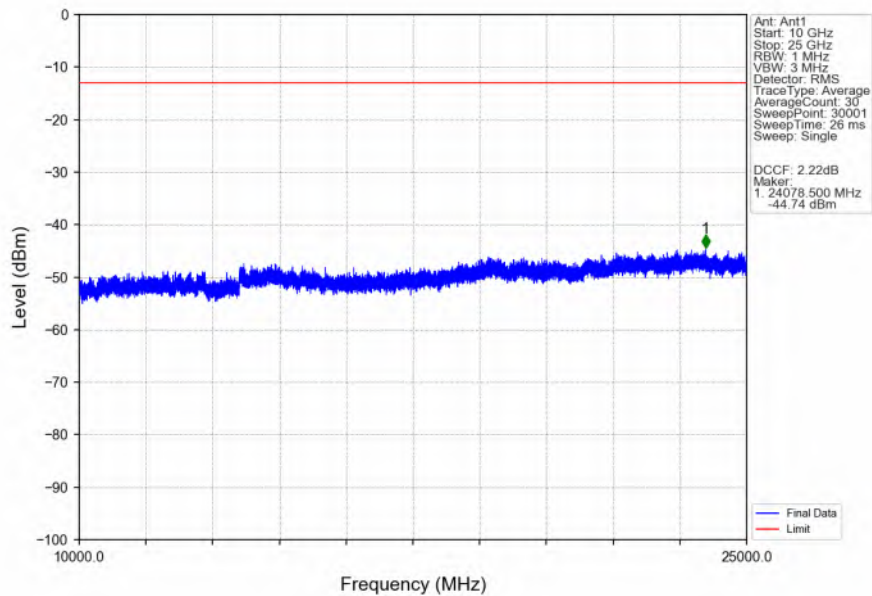
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



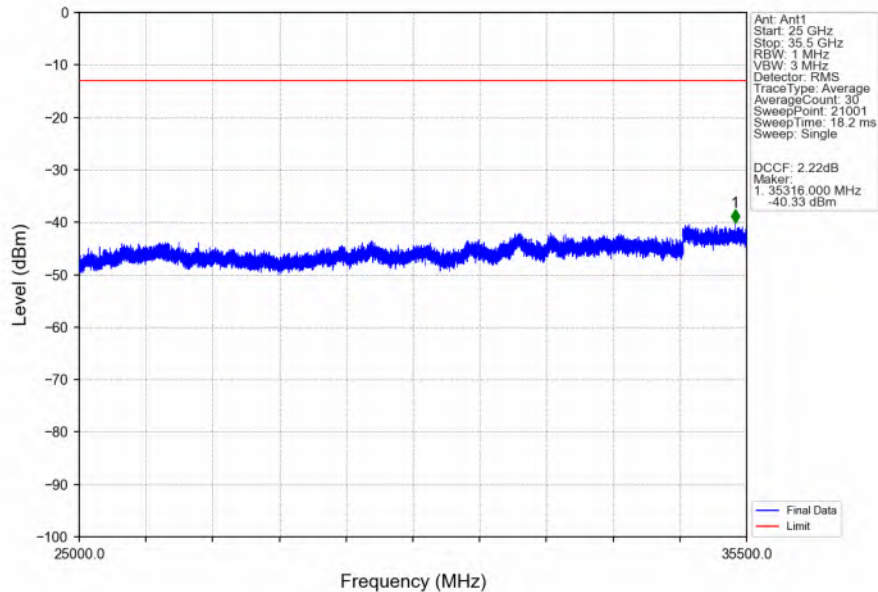
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



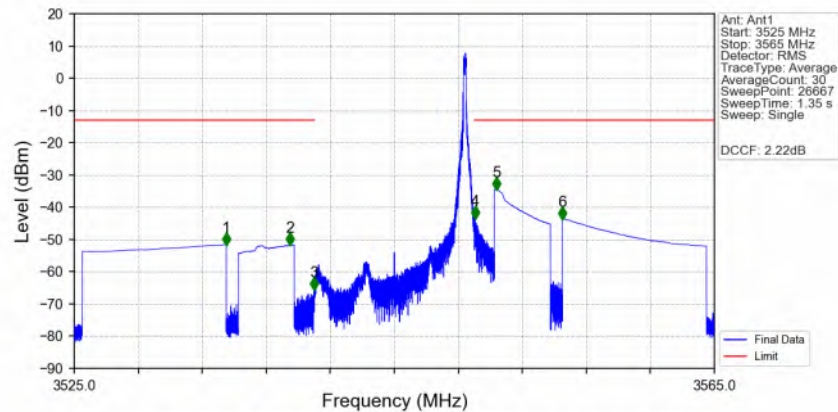
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV

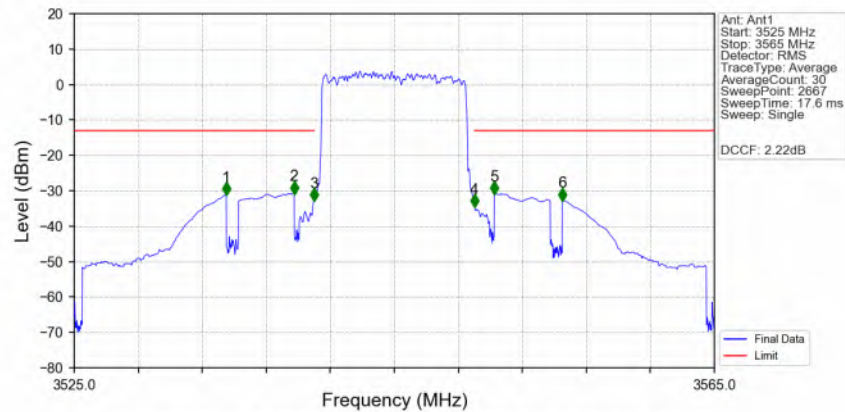


Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_49_NTNV



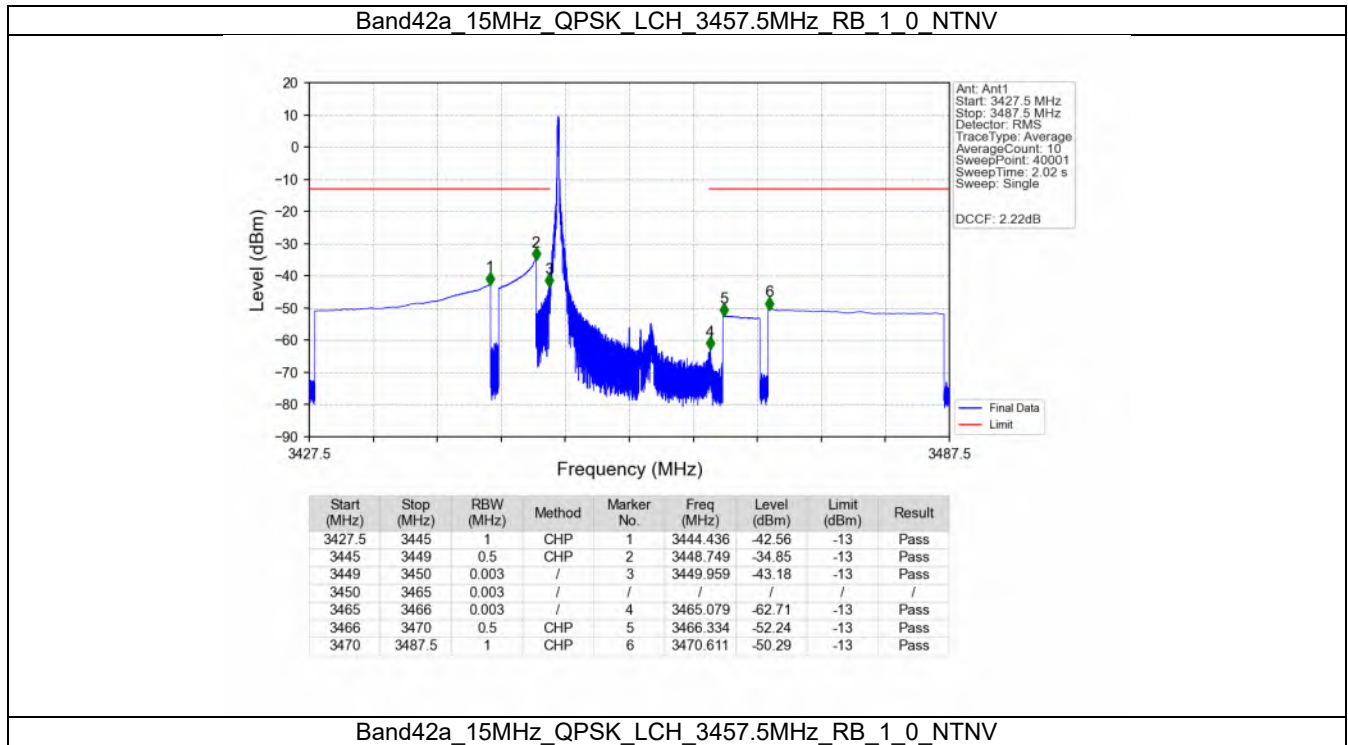
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.491	-51.60	-13	Pass
3535	3539	0.5	CHP	2	3538.475	-51.64	-13	Pass
3539	3540	0.003	/	3	3539.967	-65.46	-13	Pass
3540	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.045	-43.32	-13	Pass
3551	3555	0.5	CHP	5	3551.369	-34.37	-13	Pass
3555	3565	1	CHP	6	3555.514	-43.51	-13	Pass

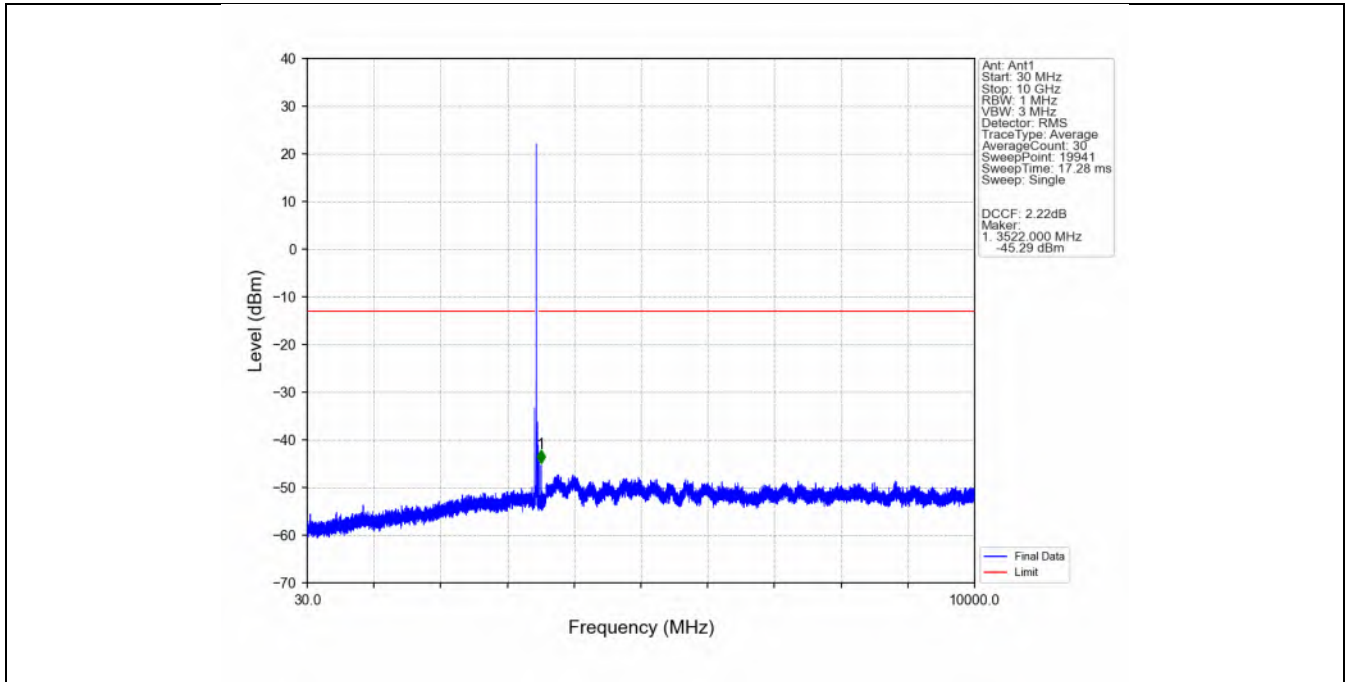
Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV



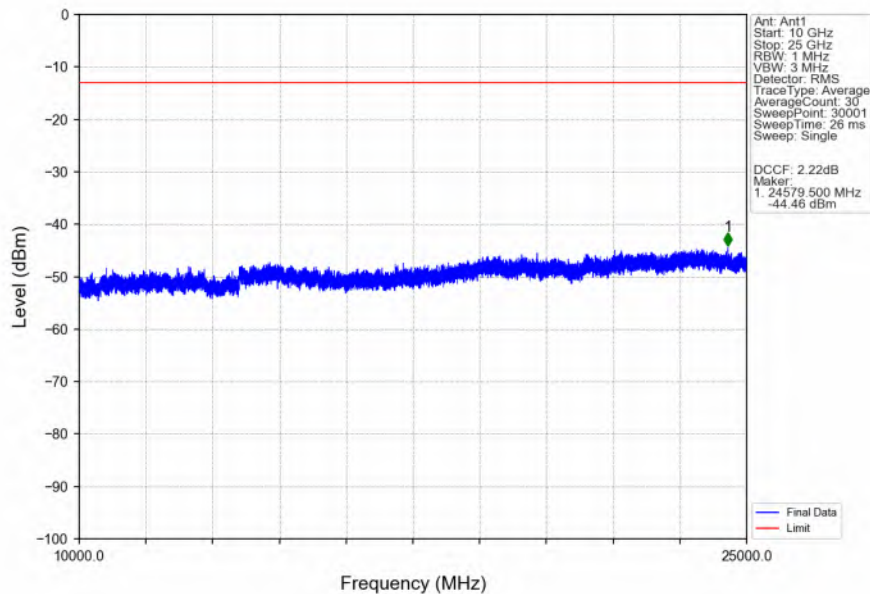
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.497	-30.96	-13	Pass
3535	3539	0.5	CHP	2	3538.743	-30.64	-13	Pass
3539	3540	0.097	CHP	3	3539.989	-32.70	-13	Pass
3540	3550	0.097	CHP	/	/	/	/	/
3550	3551	0.097	CHP	4	3550.011	-34.41	-13	Pass
3551	3555	0.5	CHP	5	3551.257	-30.76	-13	Pass
3555	3565	1	CHP	6	3555.518	-32.57	-13	Pass

5.2.3 B42a_15MHz

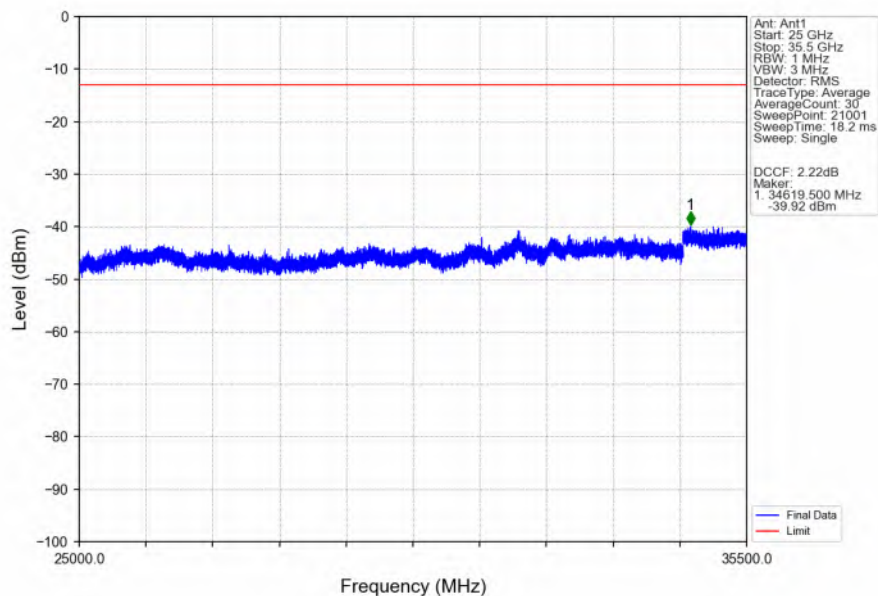




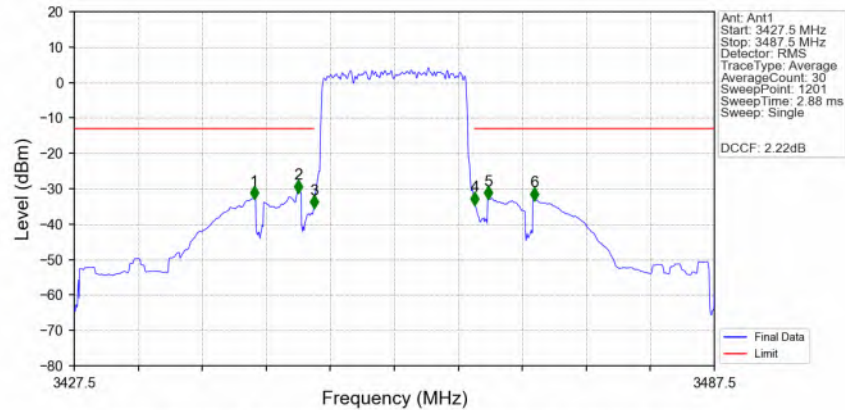
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV

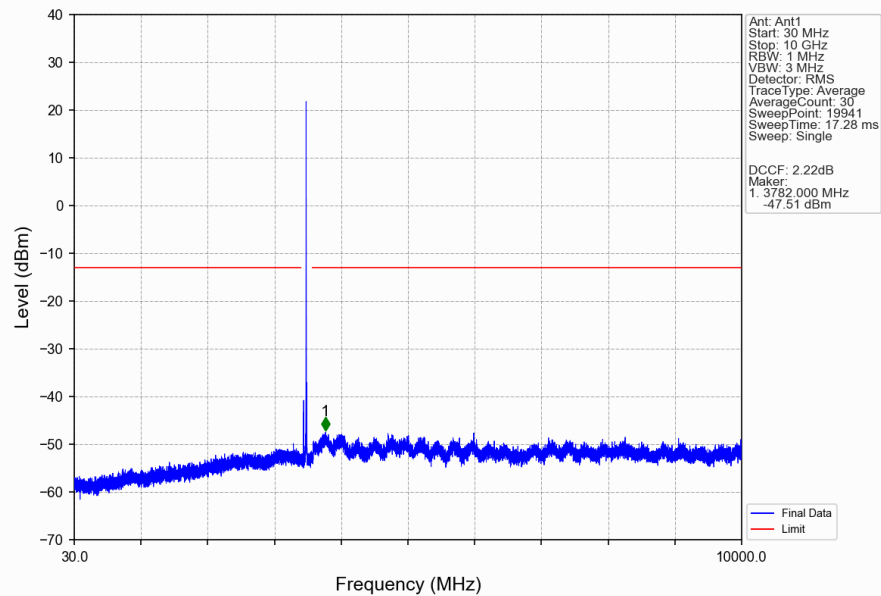


Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV

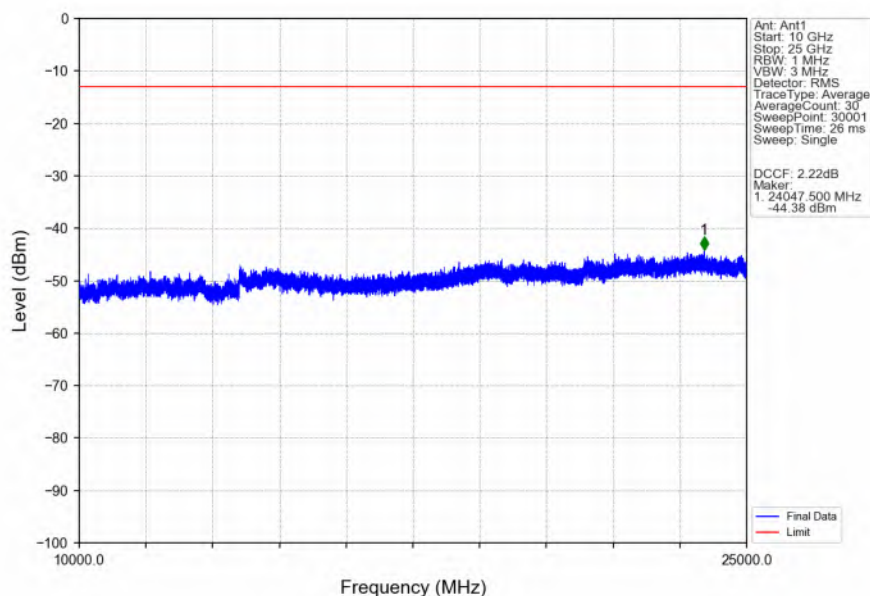


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3427.5	3445	1	CHP	1	3444.350	-32.66	-13	Pass
3445	3449	0.5	CHP	2	3448.500	-30.87	-13	Pass
3449	3450	0.152	CHP	3	3449.950	-35.29	-13	Pass
3450	3465	0.152	CHP	/	/	/	/	/
3465	3466	0.152	CHP	4	3465.050	-34.30	-13	Pass
3466	3470	0.5	CHP	5	3466.300	-32.64	-13	Pass
3470	3487.5	1	CHP	6	3470.650	-33.02	-13	Pass

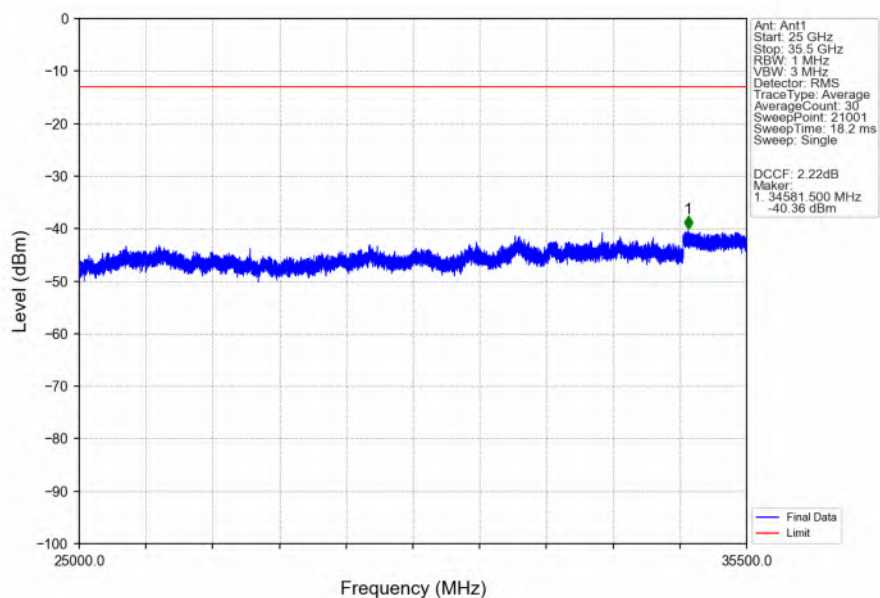
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



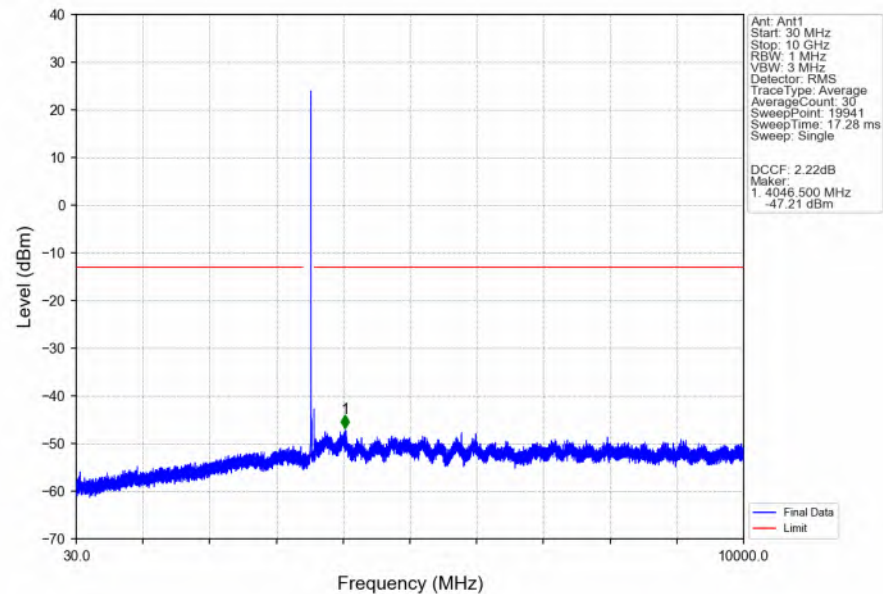
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



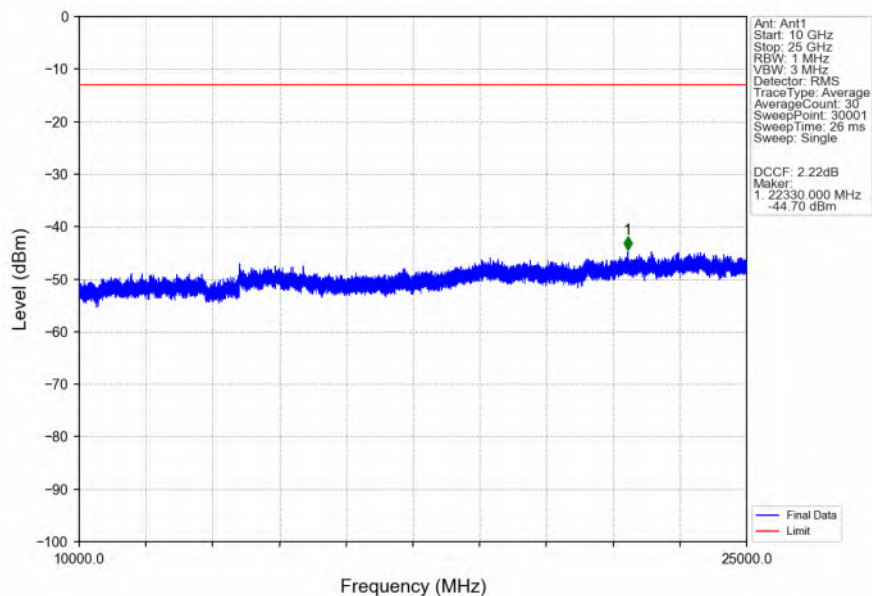
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



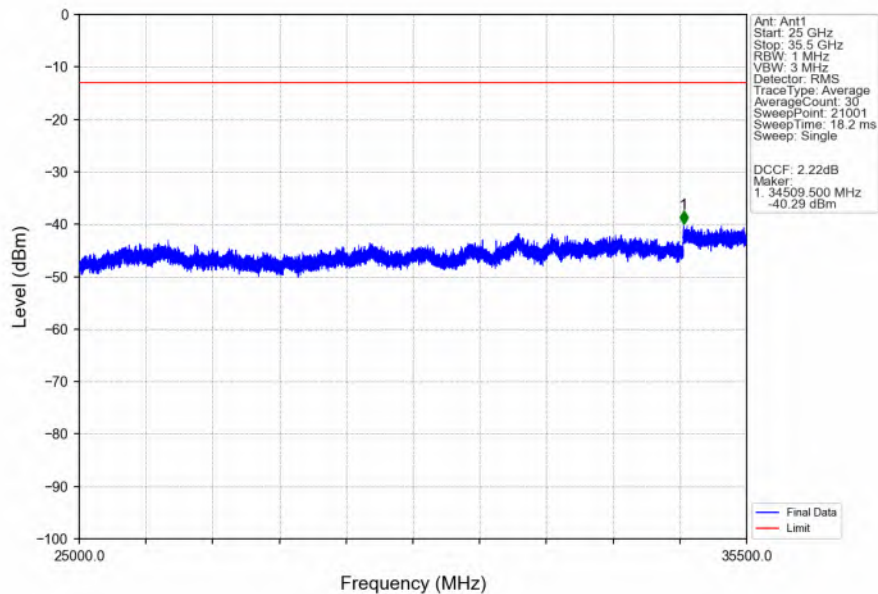
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



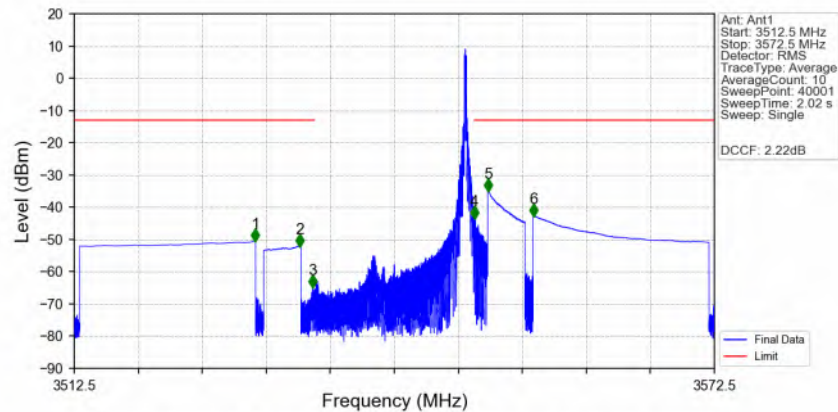
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV

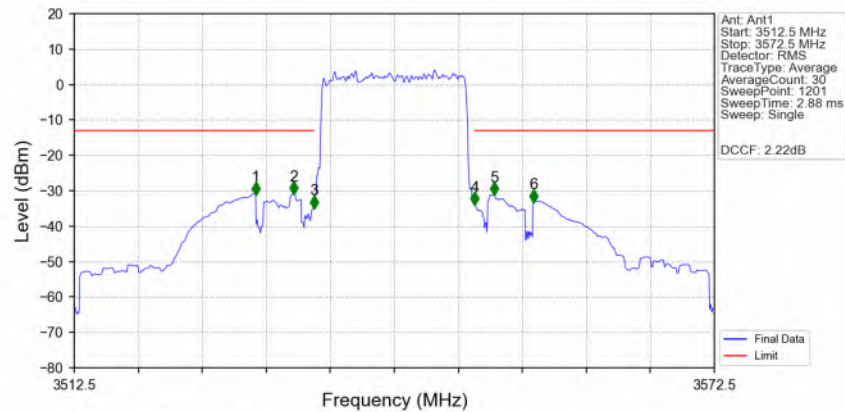


Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_74_NTNV



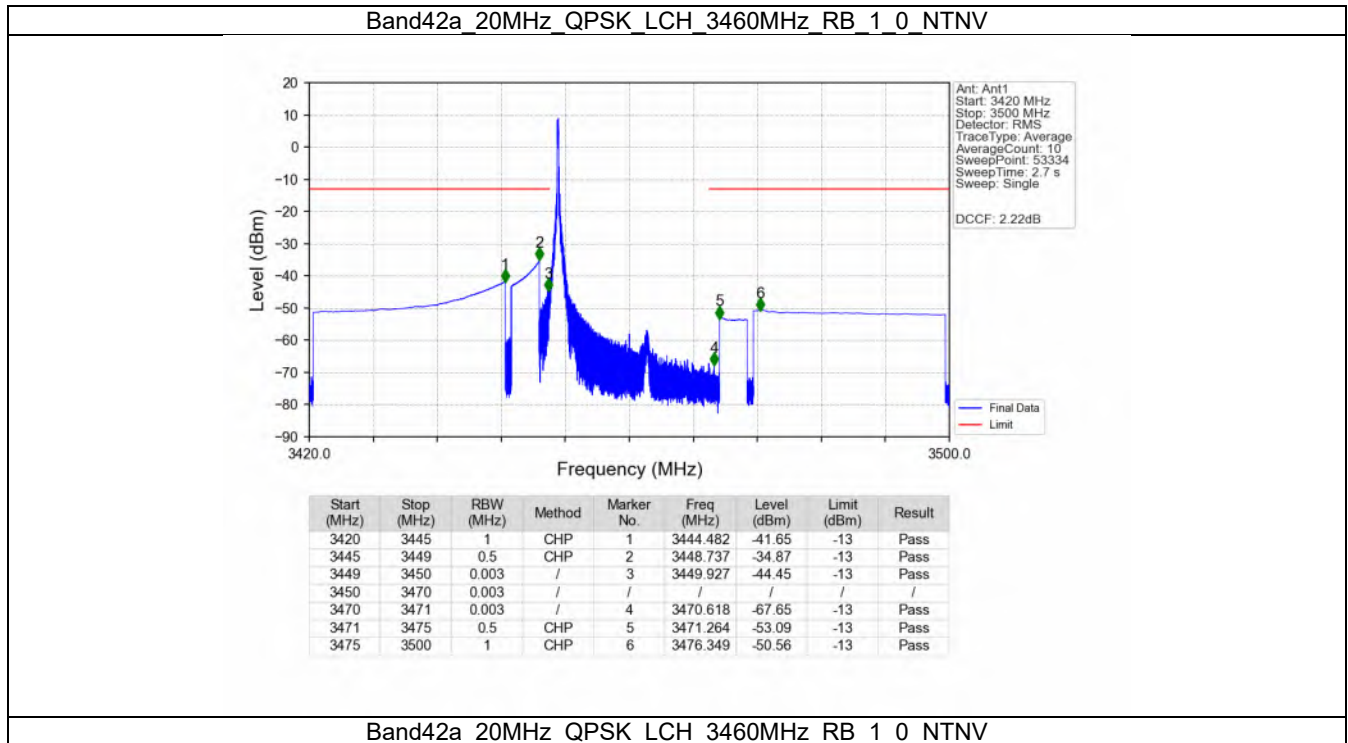
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3529.468	-50.39	-13	Pass
3530	3534	0.5	CHP	2	3533.653	-52.06	-13	Pass
3534	3535	0.003	/	3	3534.853	-64.67	-13	Pass
3535	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.005	-43.28	-13	Pass
3551	3555	0.5	CHP	5	3551.291	-34.90	-13	Pass
3555	3572.5	1	CHP	6	3555.548	-42.66	-13	Pass

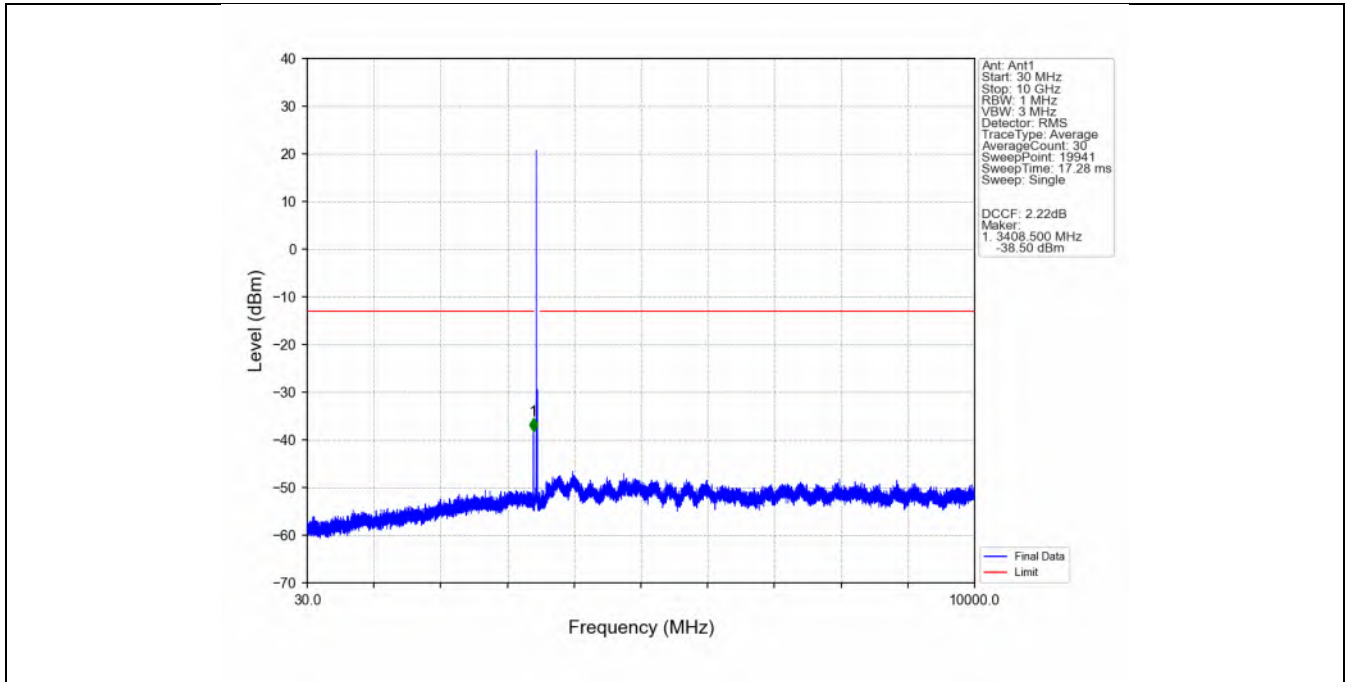
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV



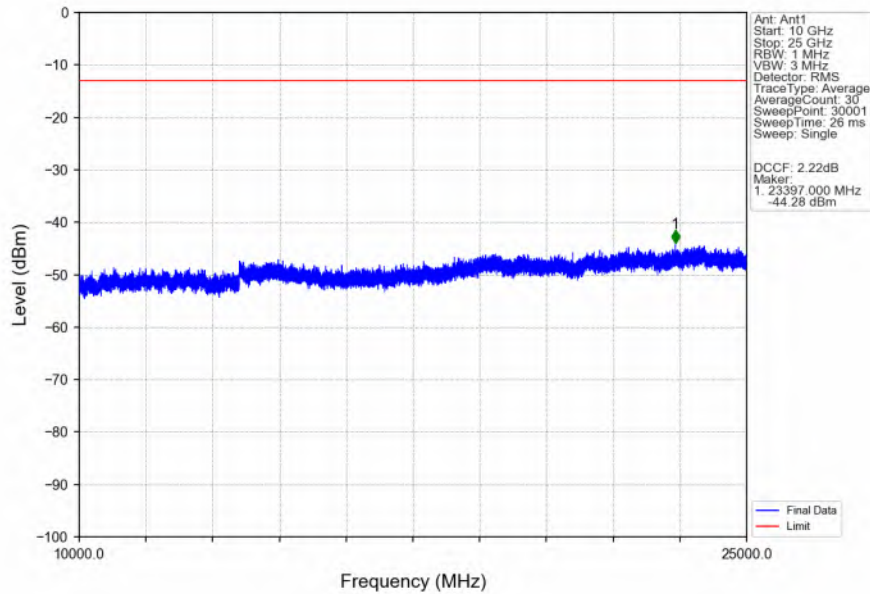
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3529.500	-30.89	-13	Pass
3530	3534	0.5	CHP	2	3533.100	-30.82	-13	Pass
3534	3535	0.152	CHP	3	3534.950	-34.71	-13	Pass
3535	3550	0.152	CHP	/	/	/	/	/
3550	3551	0.152	CHP	4	3550.050	-33.70	-13	Pass
3551	3555	0.5	CHP	5	3551.850	-31.03	-13	Pass
3555	3572.5	1	CHP	6	3555.550	-33.00	-13	Pass

5.2.4 B42a_20MHz

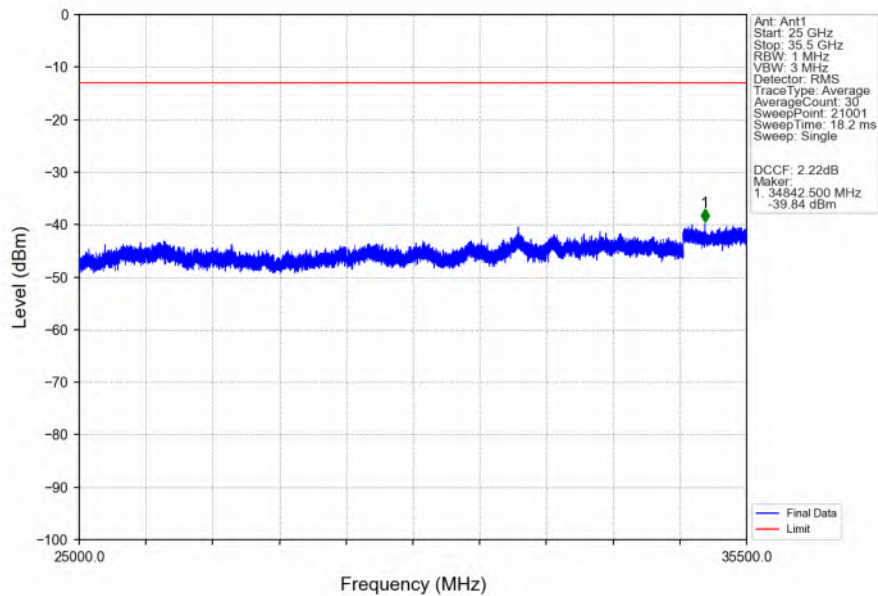




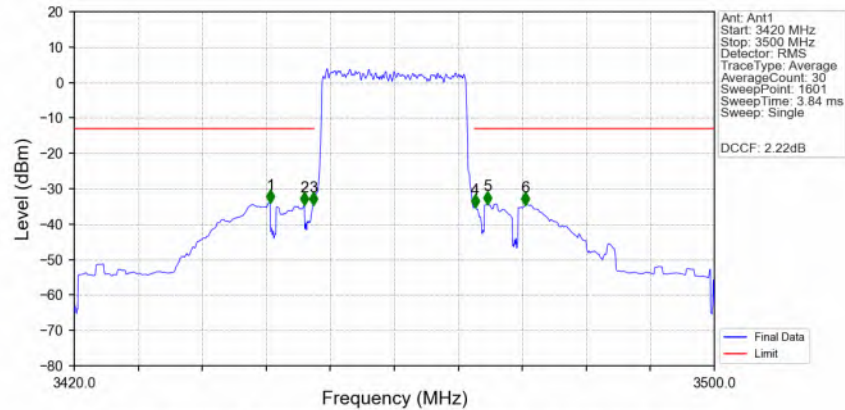
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV

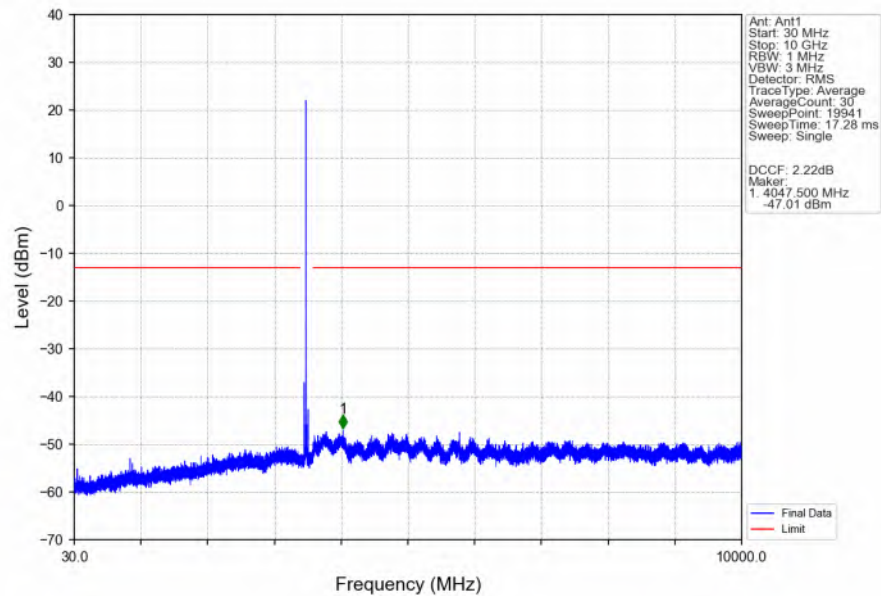


Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV

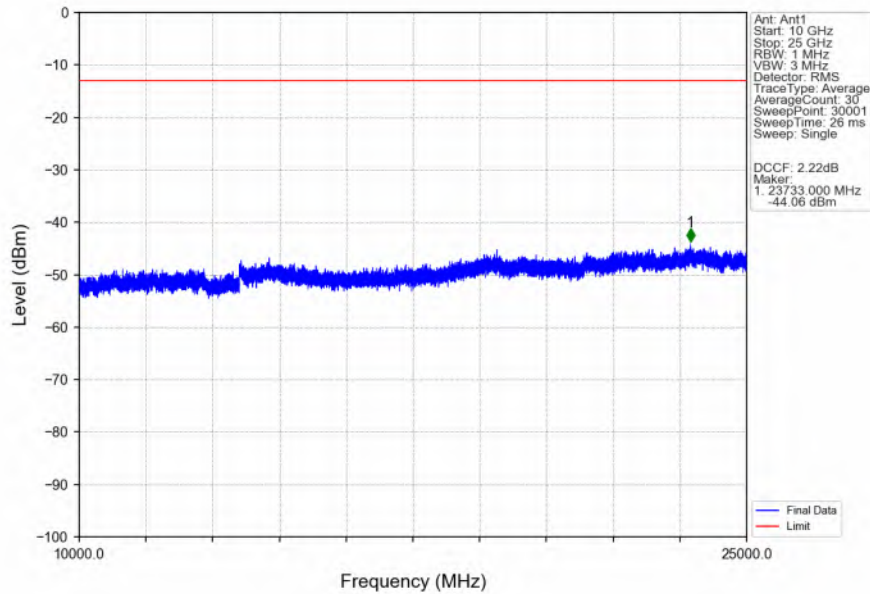


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3420	3445	1	CHP	1	3444.500	-33.77	-13	Pass
3445	3449	0.5	CHP	2	3448.750	-34.45	-13	Pass
3449	3450	0.193	CHP	3	3449.900	-34.41	-13	Pass
3450	3470	0.193	CHP	/	/	/	/	/
3470	3471	0.193	CHP	4	3470.100	-35.07	-13	Pass
3471	3475	0.5	CHP	5	3471.650	-34.10	-13	Pass
3475	3500	1	CHP	6	3476.400	-34.41	-13	Pass

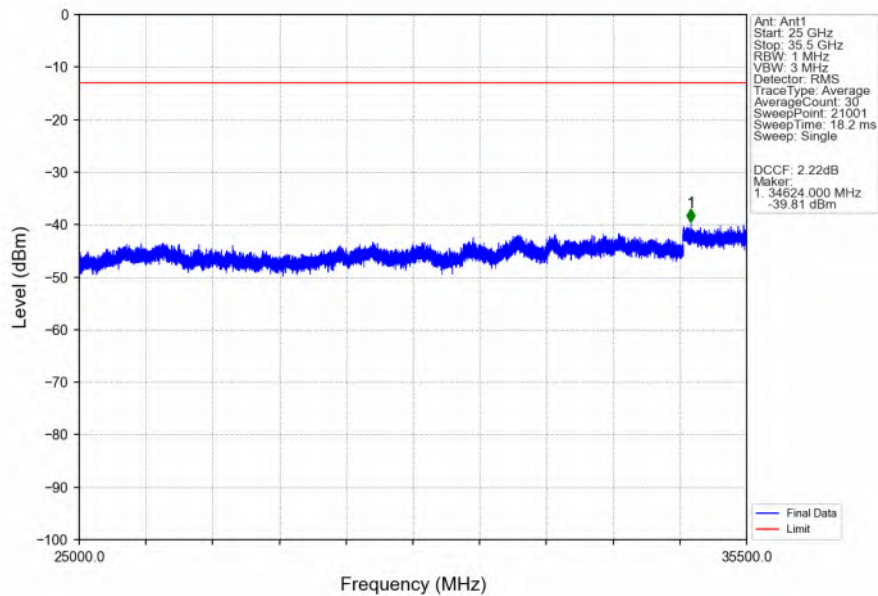
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



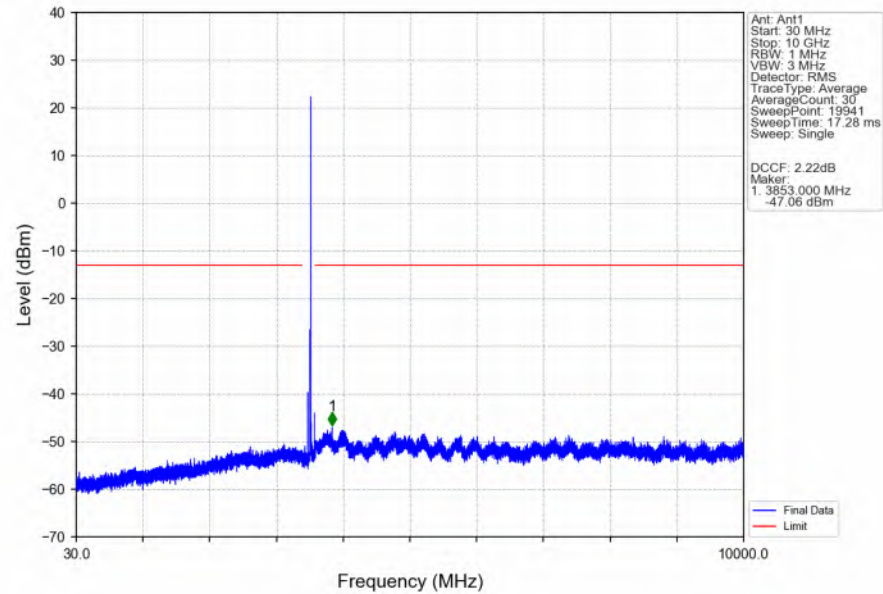
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



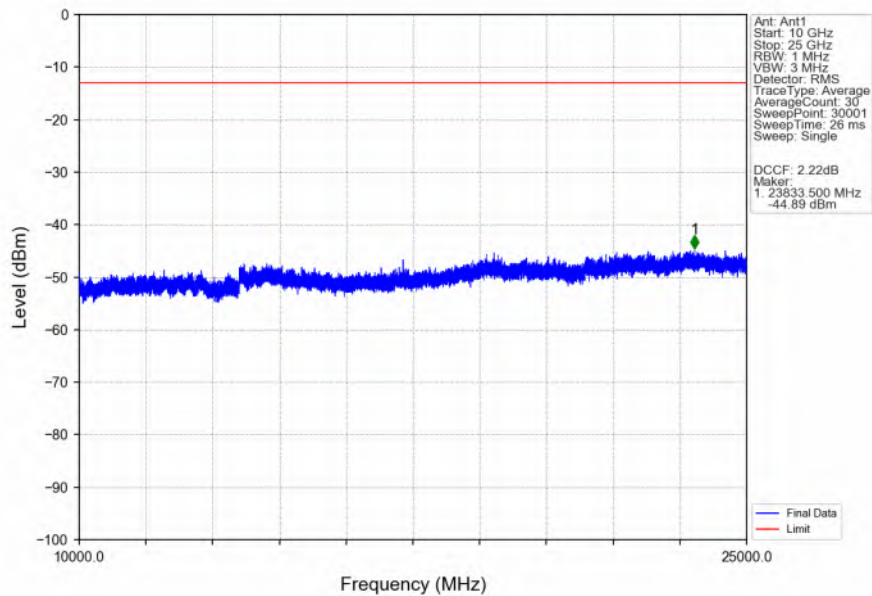
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



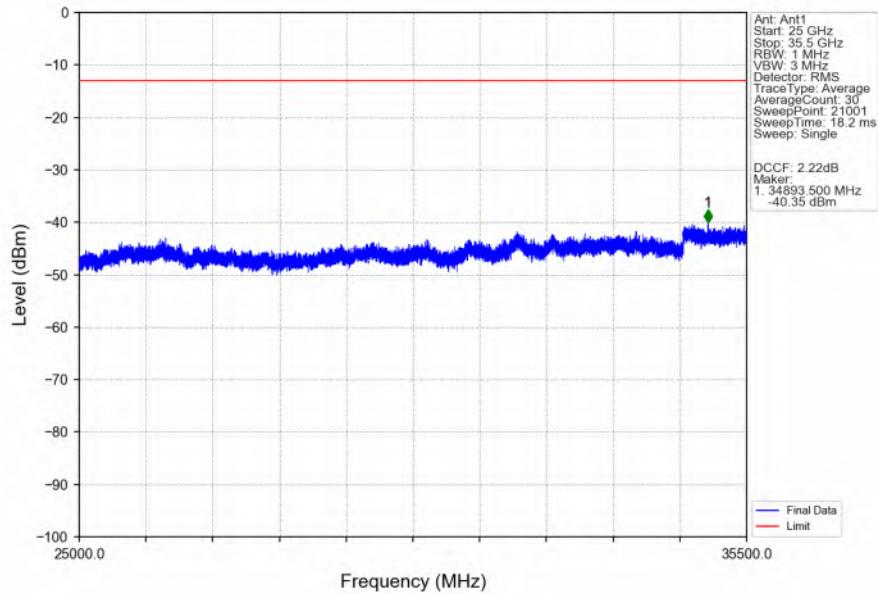
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



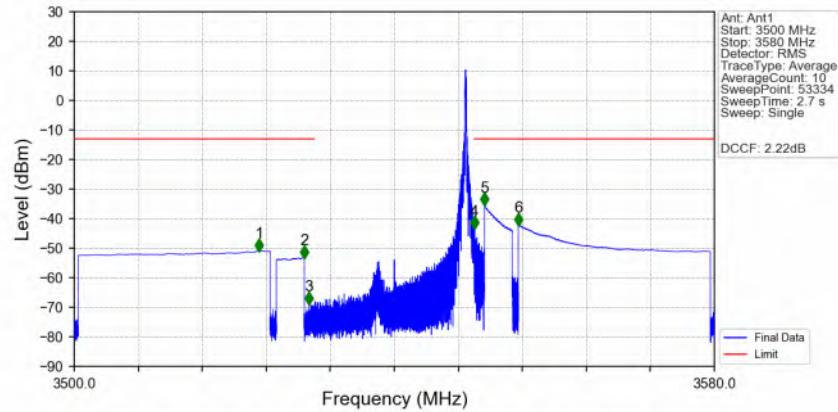
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV

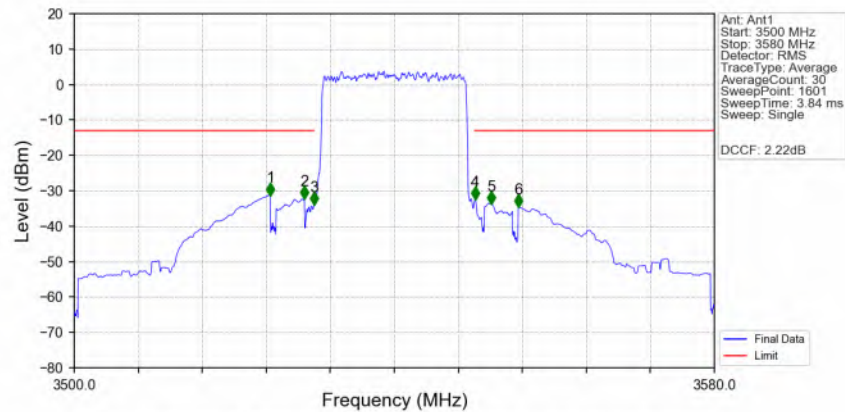


Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3525	1	CHP	1	3523.084	-50.81	-13	Pass
3525	3529	0.5	CHP	2	3528.743	-53.06	-13	Pass
3529	3530	0.003	/	3	3529.357	-68.74	-13	Pass
3530	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.018	-43.16	-13	Pass
3551	3555	0.5	CHP	5	3551.261	-35.19	-13	Pass
3555	3580	1	CHP	6	3555.536	-42.07	-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
3500	3525	1	CHP	1	3524.500	-31.07	-13	Pass
3525	3529	0.5	CHP	2	3528.750	-32.09	-13	Pass
3529	3530	0.193	CHP	3	3529.950	-33.68	-13	Pass
3530	3550	0.193	CHP	/	/	/	/	/
3550	3551	0.193	CHP	4	3550.100	-32.28	-13	Pass
3551	3555	0.5	CHP	5	3552.100	-33.49	-13	Pass
3555	3580	1	CHP	6	3555.500	-34.32	-13	Pass

---End of Attachment---