

1. Duty Cycle

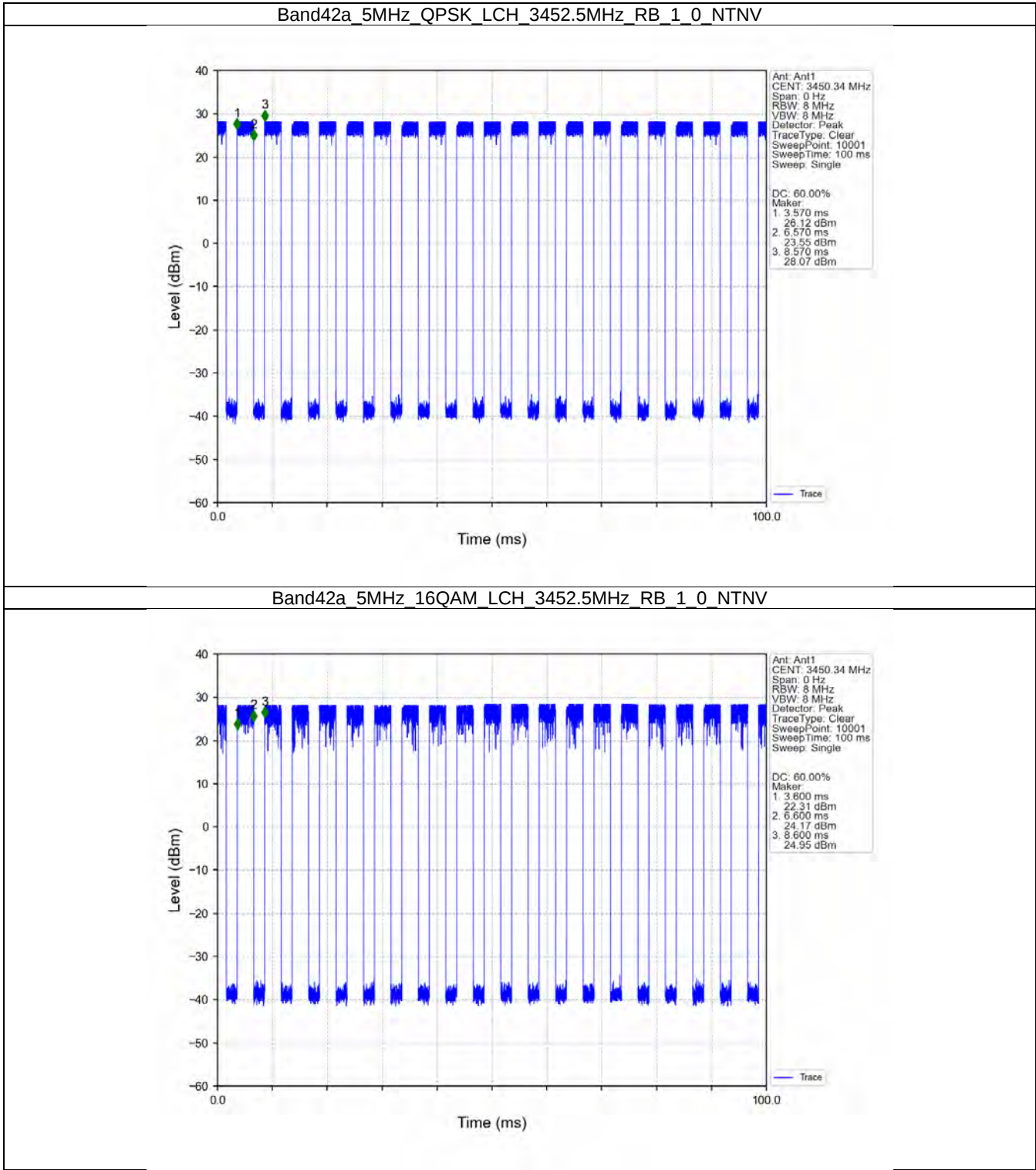
1.1 Test Result

1.1.1 B42a_5MHz

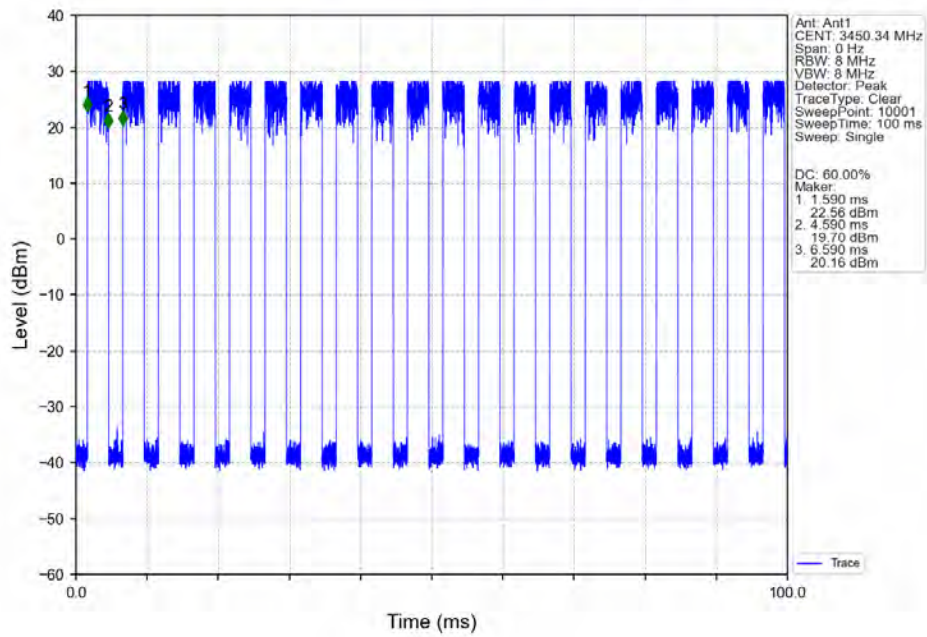
Band: 42a / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		T_on (ms)	Period (ms)	Duty Cycle (%)	Duty Cycle Correction Factor (dB)	Max. DC Variation (%)
		Size	Offset					
QPSK	3452.5	1	0	3.000	5.000	60.00	2.22	0.00
16QAM	3452.5	1	0	3.000	5.000	60.00	2.22	0.00
64QAM	3452.5	1	0	3.000	5.000	60.00	2.22	0.00
256QAM	3452.5	1	0	3.000	5.000	60.00	2.22	0.20

1.2 Test Graph

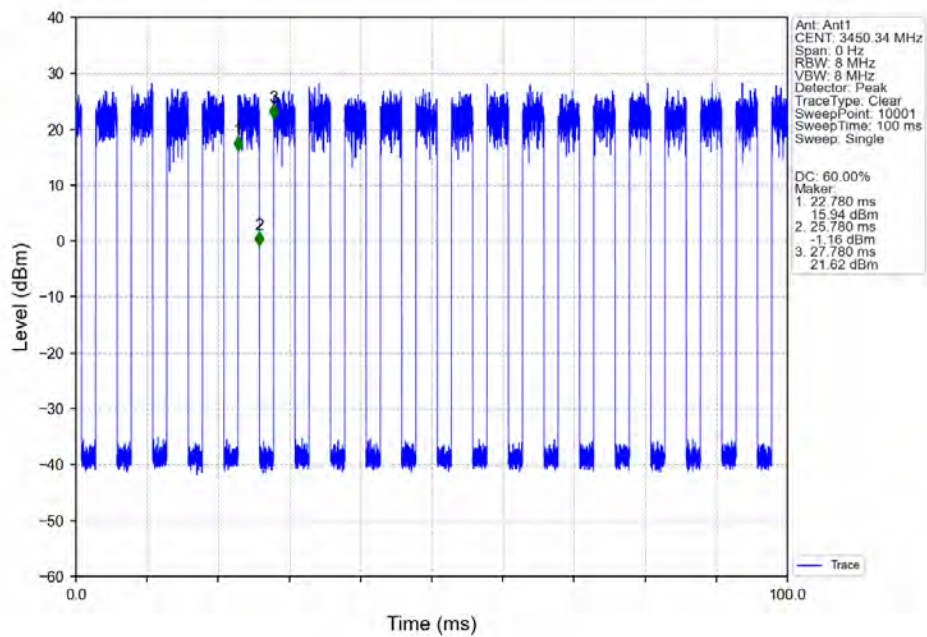
1.2.1 B42a_5MHz



Band42a 5MHz 64QAM LCH 3452.5MHz RB 1 0 NTNV



Band42a 5MHz 256QAM LCH 3452.5MHz RB 1 0 NTNV



2. Effective (Isotropic) Radiated Power Output Data

2.1 Test Result

2.1.1 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	24.38	-2.50	21.88	<=30	Pass
			13	24.42	-2.50	21.92	<=30	Pass
			24	24.40	-2.50	21.90	<=30	Pass
		12	0	23.50	-2.50	21.00	<=30	Pass
			6	23.56	-2.50	21.06	<=30	Pass
			13	23.52	-2.50	21.02	<=30	Pass
		25	0	23.47	-2.50	20.97	<=30	Pass
	3500	1	0	24.51	-2.50	22.01	<=30	Pass
			13	24.55	-2.50	22.05	<=30	Pass
			24	24.32	-2.50	21.82	<=30	Pass
		12	0	23.57	-2.50	21.07	<=30	Pass
			6	23.62	-2.50	21.12	<=30	Pass
			13	23.56	-2.50	21.06	<=30	Pass
		25	0	23.53	-2.50	21.03	<=30	Pass
	3547.5	1	0	24.50	-2.50	22.00	<=30	Pass
			13	24.52	-2.50	22.02	<=30	Pass
			24	24.52	-2.50	22.02	<=30	Pass
		12	0	23.48	-2.50	20.98	<=30	Pass
			6	23.60	-2.50	21.10	<=30	Pass
			13	23.55	-2.50	21.05	<=30	Pass
		25	0	23.52	-2.50	21.02	<=30	Pass
16QAM	3452.5	1	0	23.46	-2.50	20.96	<=30	Pass
			13	23.49	-2.50	20.99	<=30	Pass
			24	23.43	-2.50	20.93	<=30	Pass
		12	0	22.48	-2.50	19.98	<=30	Pass
			6	22.50	-2.50	20.00	<=30	Pass
			13	22.50	-2.50	20.00	<=30	Pass
		25	0	22.49	-2.50	19.99	<=30	Pass
	3500	1	0	23.52	-2.50	21.02	<=30	Pass
			13	23.50	-2.50	21.00	<=30	Pass
			24	23.47	-2.50	20.97	<=30	Pass
		12	0	22.65	-2.50	20.15	<=30	Pass
			6	22.60	-2.50	20.10	<=30	Pass
			13	22.47	-2.50	19.97	<=30	Pass
		25	0	22.53	-2.50	20.03	<=30	Pass
	3547.5	1	0	23.43	-2.50	20.93	<=30	Pass
			13	23.54	-2.50	21.04	<=30	Pass
			24	23.40	-2.50	20.90	<=30	Pass
		12	0	22.52	-2.50	20.02	<=30	Pass
			6	22.55	-2.50	20.05	<=30	Pass
			13	22.56	-2.50	20.06	<=30	Pass
		25	0	22.51	-2.50	20.01	<=30	Pass
64QAM	3452.5	1	0	23.42	-2.50	20.92	<=30	Pass
			13	23.46	-2.50	20.96	<=30	Pass
			24	23.37	-2.50	20.87	<=30	Pass
		12	0	22.53	-2.50	20.03	<=30	Pass
			6	22.48	-2.50	19.98	<=30	Pass

			13	22.42	-2.50	19.92	<=30	Pass	
		25	0	22.48	-2.50	19.98	<=30	Pass	
		3500	1	0	23.50	-2.50	21.00	<=30	Pass
				13	23.46	-2.50	20.96	<=30	Pass
				24	23.44	-2.50	20.94	<=30	Pass
			12	0	22.55	-2.50	20.05	<=30	Pass
				6	22.60	-2.50	20.10	<=30	Pass
				13	22.46	-2.50	19.96	<=30	Pass
		25	0	22.55	-2.50	20.05	<=30	Pass	
		3547.5	1	0	23.51	-2.50	21.01	<=30	Pass
	13			23.56	-2.50	21.06	<=30	Pass	
	24			23.55	-2.50	21.05	<=30	Pass	
	12		0	22.49	-2.50	19.99	<=30	Pass	
			6	22.59	-2.50	20.09	<=30	Pass	
			13	22.53	-2.50	20.03	<=30	Pass	
	25		0	22.53	-2.50	20.03	<=30	Pass	
	256QAM		3452.5	1	0	19.26	-2.50	16.76	<=30
13		19.54			-2.50	17.04	<=30	Pass	
24		19.40			-2.50	16.90	<=30	Pass	
12		0		19.47	-2.50	16.97	<=30	Pass	
		6		19.52	-2.50	17.02	<=30	Pass	
		13		19.42	-2.50	16.92	<=30	Pass	
25		0		19.46	-2.50	16.96	<=30	Pass	
3500		1	0	19.42	-2.50	16.92	<=30	Pass	
			13	19.57	-2.50	17.07	<=30	Pass	
			24	19.34	-2.50	16.84	<=30	Pass	
		12	0	19.55	-2.50	17.05	<=30	Pass	
			6	19.59	-2.50	17.09	<=30	Pass	
			13	19.50	-2.50	17.00	<=30	Pass	
25		0	19.51	-2.50	17.01	<=30	Pass		
3547.5		1	0	19.50	-2.50	17.00	<=30	Pass	
			13	19.49	-2.50	16.99	<=30	Pass	
			24	19.42	-2.50	16.92	<=30	Pass	
		12	0	19.53	-2.50	17.03	<=30	Pass	
			6	19.58	-2.50	17.08	<=30	Pass	
			13	19.45	-2.50	16.95	<=30	Pass	
		25	0	19.53	-2.50	17.03	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

2.1.2 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	24.34	-2.50	21.84	<=30	Pass
			25	24.47	-2.50	21.97	<=30	Pass
			49	24.46	-2.50	21.96	<=30	Pass
		25	0	23.52	-2.50	21.02	<=30	Pass
			13	23.52	-2.50	21.02	<=30	Pass
			25	23.56	-2.50	21.06	<=30	Pass
		50	0	23.52	-2.50	21.02	<=30	Pass
	3500	1	0	24.39	-2.50	21.89	<=30	Pass
			25	24.65	-2.50	22.15	<=30	Pass
			49	24.43	-2.50	21.93	<=30	Pass
		25	0	23.55	-2.50	21.05	<=30	Pass
			13	23.58	-2.50	21.08	<=30	Pass
			25	23.57	-2.50	21.07	<=30	Pass

	3545	50	0	23.58	-2.50	21.08	<=30	Pass
		1	0	24.35	-2.50	21.85	<=30	Pass
			25	24.41	-2.50	21.91	<=30	Pass
			49	24.40	-2.50	21.90	<=30	Pass
		25	0	23.55	-2.50	21.05	<=30	Pass
			13	23.53	-2.50	21.03	<=30	Pass
			25	23.49	-2.50	20.99	<=30	Pass
		50	0	23.47	-2.50	20.97	<=30	Pass
16QAM	3455	1	0	23.50	-2.50	21.00	<=30	Pass
			25	23.57	-2.50	21.07	<=30	Pass
			49	23.55	-2.50	21.05	<=30	Pass
		25	0	22.52	-2.50	20.02	<=30	Pass
			13	22.53	-2.50	20.03	<=30	Pass
			25	22.45	-2.50	19.95	<=30	Pass
		50	0	22.47	-2.50	19.97	<=30	Pass
	3500	1	0	23.52	-2.50	21.02	<=30	Pass
			25	23.58	-2.50	21.08	<=30	Pass
			49	23.43	-2.50	20.93	<=30	Pass
		25	0	22.51	-2.50	20.01	<=30	Pass
			13	22.59	-2.50	20.09	<=30	Pass
			25	22.54	-2.50	20.04	<=30	Pass
		50	0	22.52	-2.50	20.02	<=30	Pass
	3545	1	0	23.44	-2.50	20.94	<=30	Pass
			25	23.49	-2.50	20.99	<=30	Pass
			49	23.42	-2.50	20.92	<=30	Pass
		25	0	22.57	-2.50	20.07	<=30	Pass
			13	22.56	-2.50	20.06	<=30	Pass
			25	22.56	-2.50	20.06	<=30	Pass
		50	0	22.54	-2.50	20.04	<=30	Pass
64QAM	3455	1	0	23.37	-2.50	20.87	<=30	Pass
			25	23.43	-2.50	20.93	<=30	Pass
			49	23.38	-2.50	20.88	<=30	Pass
		25	0	22.53	-2.50	20.03	<=30	Pass
			13	22.49	-2.50	19.99	<=30	Pass
			25	22.50	-2.50	20.00	<=30	Pass
		50	0	22.48	-2.50	19.98	<=30	Pass
	3500	1	0	23.54	-2.50	21.04	<=30	Pass
			25	23.39	-2.50	20.89	<=30	Pass
			49	23.46	-2.50	20.96	<=30	Pass
		25	0	22.55	-2.50	20.05	<=30	Pass
			13	22.56	-2.50	20.06	<=30	Pass
			25	22.55	-2.50	20.05	<=30	Pass
		50	0	22.61	-2.50	20.11	<=30	Pass
	3545	1	0	23.54	-2.50	21.04	<=30	Pass
			25	23.44	-2.50	20.94	<=30	Pass
			49	23.37	-2.50	20.87	<=30	Pass
		25	0	22.54	-2.50	20.04	<=30	Pass
			13	22.52	-2.50	20.02	<=30	Pass
			25	22.52	-2.50	20.02	<=30	Pass
		50	0	22.54	-2.50	20.04	<=30	Pass
256QAM	3455	1	0	19.34	-2.50	16.84	<=30	Pass
			25	19.59	-2.50	17.09	<=30	Pass
			49	19.30	-2.50	16.80	<=30	Pass
		25	0	19.51	-2.50	17.01	<=30	Pass
			13	19.47	-2.50	16.97	<=30	Pass
			25	19.51	-2.50	17.01	<=30	Pass
		50	0	19.47	-2.50	16.97	<=30	Pass
	3500	1	0	19.36	-2.50	16.86	<=30	Pass
			25	19.42	-2.50	16.92	<=30	Pass

		25	49	19.36	-2.50	16.86	<=30	Pass
			0	19.58	-2.50	17.08	<=30	Pass
			13	19.58	-2.50	17.08	<=30	Pass
			25	19.54	-2.50	17.04	<=30	Pass
		50	0	19.56	-2.50	17.06	<=30	Pass
	3545	1	0	19.52	-2.50	17.02	<=30	Pass
			25	19.27	-2.50	16.77	<=30	Pass
			49	19.39	-2.50	16.89	<=30	Pass
		25	0	19.49	-2.50	16.99	<=30	Pass
			13	19.54	-2.50	17.04	<=30	Pass
			25	19.50	-2.50	17.00	<=30	Pass
		50	0	19.47	-2.50	16.97	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2.1.3 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	24.30	-2.50	21.80	<=30	Pass
			38	24.39	-2.50	21.89	<=30	Pass
			74	24.31	-2.50	21.81	<=30	Pass
		36	0	23.45	-2.50	20.95	<=30	Pass
			18	23.48	-2.50	20.98	<=30	Pass
			39	23.52	-2.50	21.02	<=30	Pass
		75	0	23.47	-2.50	20.97	<=30	Pass
	3500	1	0	24.28	-2.50	21.78	<=30	Pass
			38	24.40	-2.50	21.90	<=30	Pass
			74	24.39	-2.50	21.89	<=30	Pass
		36	0	23.46	-2.50	20.96	<=30	Pass
			18	23.51	-2.50	21.01	<=30	Pass
			39	23.57	-2.50	21.07	<=30	Pass
		75	0	23.43	-2.50	20.93	<=30	Pass
	3542.5	1	0	24.26	-2.50	21.76	<=30	Pass
			38	24.28	-2.50	21.78	<=30	Pass
			74	24.30	-2.50	21.80	<=30	Pass
		36	0	23.51	-2.50	21.01	<=30	Pass
			18	23.51	-2.50	21.01	<=30	Pass
			39	23.51	-2.50	21.01	<=30	Pass
		75	0	23.49	-2.50	20.99	<=30	Pass
16QAM	3457.5	1	0	23.31	-2.50	20.81	<=30	Pass
			38	23.39	-2.50	20.89	<=30	Pass
			74	23.50	-2.50	21.00	<=30	Pass
		36	0	22.49	-2.50	19.99	<=30	Pass
			18	22.47	-2.50	19.97	<=30	Pass
			39	22.49	-2.50	19.99	<=30	Pass
		75	0	22.49	-2.50	19.99	<=30	Pass
	3500	1	0	23.37	-2.50	20.87	<=30	Pass
			38	23.51	-2.50	21.01	<=30	Pass
			74	23.42	-2.50	20.92	<=30	Pass
		36	0	22.44	-2.50	19.94	<=30	Pass
			18	22.50	-2.50	20.00	<=30	Pass
			39	22.53	-2.50	20.03	<=30	Pass
		75	0	22.41	-2.50	19.91	<=30	Pass
	3542.5	1	0	23.33	-2.50	20.83	<=30	Pass
			38	23.40	-2.50	20.90	<=30	Pass
			74	23.28	-2.50	20.78	<=30	Pass

		36	0	22.49	-2.50	19.99	<=30	Pass	
			18	22.48	-2.50	19.98	<=30	Pass	
			39	22.52	-2.50	20.02	<=30	Pass	
		75	0	22.44	-2.50	19.94	<=30	Pass	
64QAM	3457.5	1	0	23.33	-2.50	20.83	<=30	Pass	
			38	23.18	-2.50	20.68	<=30	Pass	
			74	23.31	-2.50	20.81	<=30	Pass	
		36	0	22.43	-2.50	19.93	<=30	Pass	
			18	22.48	-2.50	19.98	<=30	Pass	
			39	22.51	-2.50	20.01	<=30	Pass	
		75	0	22.49	-2.50	19.99	<=30	Pass	
		3500	1	0	23.16	-2.50	20.66	<=30	Pass
				38	23.41	-2.50	20.91	<=30	Pass
	74			23.36	-2.50	20.86	<=30	Pass	
	36		0	22.46	-2.50	19.96	<=30	Pass	
			18	22.44	-2.50	19.94	<=30	Pass	
			39	22.51	-2.50	20.01	<=30	Pass	
	75		0	22.41	-2.50	19.91	<=30	Pass	
	3542.5		1	0	23.33	-2.50	20.83	<=30	Pass
				38	23.40	-2.50	20.90	<=30	Pass
		74		23.41	-2.50	20.91	<=30	Pass	
		36	0	22.49	-2.50	19.99	<=30	Pass	
			18	22.44	-2.50	19.94	<=30	Pass	
			39	22.49	-2.50	19.99	<=30	Pass	
		75	0	22.45	-2.50	19.95	<=30	Pass	
256QAM		3457.5	1	0	19.27	-2.50	16.77	<=30	Pass
				38	19.39	-2.50	16.89	<=30	Pass
	74			19.40	-2.50	16.90	<=30	Pass	
	36		0	19.41	-2.50	16.91	<=30	Pass	
			18	19.49	-2.50	16.99	<=30	Pass	
			39	19.44	-2.50	16.94	<=30	Pass	
	75		0	19.43	-2.50	16.93	<=30	Pass	
	3500		1	0	19.23	-2.50	16.73	<=30	Pass
				38	19.47	-2.50	16.97	<=30	Pass
		74		19.24	-2.50	16.74	<=30	Pass	
		36	0	19.41	-2.50	16.91	<=30	Pass	
			18	19.52	-2.50	17.02	<=30	Pass	
			39	19.51	-2.50	17.01	<=30	Pass	
		75	0	19.45	-2.50	16.95	<=30	Pass	
		3542.5	1	0	19.32	-2.50	16.82	<=30	Pass
				38	19.42	-2.50	16.92	<=30	Pass
	74			19.42	-2.50	16.92	<=30	Pass	
	36		0	19.41	-2.50	16.91	<=30	Pass	
			18	19.48	-2.50	16.98	<=30	Pass	
			39	19.50	-2.50	17.00	<=30	Pass	
	75		0	19.46	-2.50	16.96	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

2.1.4 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	24.30	-2.50	21.80	<=30	Pass
			50	24.46	-2.50	21.96	<=30	Pass
			99	24.39	-2.50	21.89	<=30	Pass
		50	0	23.52	-2.50	21.02	<=30	Pass

	3500	100	25	23.51	-2.50	21.01	<=30	Pass	
			50	23.49	-2.50	20.99	<=30	Pass	
			0	23.48	-2.50	20.98	<=30	Pass	
		50	1	0	24.37	-2.50	21.87	<=30	Pass
				50	24.34	-2.50	21.84	<=30	Pass
				99	24.38	-2.50	21.88	<=30	Pass
			50	0	23.41	-2.50	20.91	<=30	Pass
				25	23.54	-2.50	21.04	<=30	Pass
				50	23.57	-2.50	21.07	<=30	Pass
	100	0	23.47	-2.50	20.97	<=30	Pass		
	3540	1	0	24.30	-2.50	21.80	<=30	Pass	
			50	24.36	-2.50	21.86	<=30	Pass	
			99	24.30	-2.50	21.80	<=30	Pass	
		50	0	23.52	-2.50	21.02	<=30	Pass	
			25	23.50	-2.50	21.00	<=30	Pass	
			50	23.54	-2.50	21.04	<=30	Pass	
		100	0	23.47	-2.50	20.97	<=30	Pass	
16QAM		3460	1	0	23.36	-2.50	20.86	<=30	Pass
				50	23.37	-2.50	20.87	<=30	Pass
	99			23.47	-2.50	20.97	<=30	Pass	
	50		0	22.48	-2.50	19.98	<=30	Pass	
			25	22.50	-2.50	20.00	<=30	Pass	
			50	22.45	-2.50	19.95	<=30	Pass	
	100		0	22.39	-2.50	19.89	<=30	Pass	
	3500	1	0	23.49	-2.50	20.99	<=30	Pass	
			50	23.56	-2.50	21.06	<=30	Pass	
			99	23.44	-2.50	20.94	<=30	Pass	
		50	0	22.48	-2.50	19.98	<=30	Pass	
			25	22.53	-2.50	20.03	<=30	Pass	
			50	22.51	-2.50	20.01	<=30	Pass	
		100	0	22.42	-2.50	19.92	<=30	Pass	
	3540	1	0	23.36	-2.50	20.86	<=30	Pass	
			50	23.27	-2.50	20.77	<=30	Pass	
			99	23.36	-2.50	20.86	<=30	Pass	
		50	0	22.50	-2.50	20.00	<=30	Pass	
			25	22.52	-2.50	20.02	<=30	Pass	
			50	22.51	-2.50	20.01	<=30	Pass	
		100	0	22.48	-2.50	19.98	<=30	Pass	
64QAM	3460	1	0	23.30	-2.50	20.80	<=30	Pass	
			50	23.19	-2.50	20.69	<=30	Pass	
			99	23.29	-2.50	20.79	<=30	Pass	
		50	0	22.48	-2.50	19.98	<=30	Pass	
			25	22.50	-2.50	20.00	<=30	Pass	
			50	22.46	-2.50	19.96	<=30	Pass	
		100	0	22.44	-2.50	19.94	<=30	Pass	
	3500	1	0	23.32	-2.50	20.82	<=30	Pass	
			50	23.48	-2.50	20.98	<=30	Pass	
			99	23.44	-2.50	20.94	<=30	Pass	
		50	0	22.38	-2.50	19.88	<=30	Pass	
			25	22.53	-2.50	20.03	<=30	Pass	
			50	22.55	-2.50	20.05	<=30	Pass	
		100	0	22.42	-2.50	19.92	<=30	Pass	
	3540	1	0	23.36	-2.50	20.86	<=30	Pass	
			50	23.37	-2.50	20.87	<=30	Pass	
			99	23.42	-2.50	20.92	<=30	Pass	
		50	0	22.46	-2.50	19.96	<=30	Pass	
			25	22.54	-2.50	20.04	<=30	Pass	
			50	22.55	-2.50	20.05	<=30	Pass	
		100	0	22.48	-2.50	19.98	<=30	Pass	

256QAM	3460	1	0	19.28	-2.50	16.78	<=30	Pass		
			50	19.19	-2.50	16.69	<=30	Pass		
			99	19.19	-2.50	16.69	<=30	Pass		
		50	0	19.43	-2.50	16.93	<=30	Pass		
			25	19.48	-2.50	16.98	<=30	Pass		
			50	19.39	-2.50	16.89	<=30	Pass		
		100	0	19.45	-2.50	16.95	<=30	Pass		
		3500	1	0	19.27	-2.50	16.77	<=30	Pass	
				50	19.51	-2.50	17.01	<=30	Pass	
	99			19.32	-2.50	16.82	<=30	Pass		
	50		0	19.40	-2.50	16.90	<=30	Pass		
			25	19.53	-2.50	17.03	<=30	Pass		
			50	19.55	-2.50	17.05	<=30	Pass		
	100		0	19.43	-2.50	16.93	<=30	Pass		
	3540		1	0	19.20	-2.50	16.70	<=30	Pass	
				50	19.37	-2.50	16.87	<=30	Pass	
		99		19.21	-2.50	16.71	<=30	Pass		
		50	0	19.46	-2.50	16.96	<=30	Pass		
			25	19.47	-2.50	16.97	<=30	Pass		
			50	19.49	-2.50	16.99	<=30	Pass		
		100	0	19.46	-2.50	16.96	<=30	Pass		
		Note1: EIRP=Conducted Power+Antenna Gain								

3. Frequency Stability

3.1 Test Result

3.1.1 B42a_5MHz

Band: 42a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3452.5	25	0	20	3.6	-1.400	-0.0004	-2.5 to 2.5	Pass
					3.91	-1.500	-0.0004	-2.5 to 2.5	Pass
					4.3	2.800	0.0008	-2.5 to 2.5	Pass
				-30	3.91	3.100	0.0009	-2.5 to 2.5	Pass
				-20	3.91	4.000	0.0012	-2.5 to 2.5	Pass
				-10	3.91	-7.500	-0.0022	-2.5 to 2.5	Pass
				0	3.91	1.000	0.0003	-2.5 to 2.5	Pass
				10	3.91	-3.600	-0.0010	-2.5 to 2.5	Pass
				30	3.91	4.200	0.0012	-2.5 to 2.5	Pass
				40	3.91	5.500	0.0016	-2.5 to 2.5	Pass
				50	3.91	4.300	0.0012	-2.5 to 2.5	Pass
	3500	25	0	20	3.6	-6.400	-0.0018	-2.5 to 2.5	Pass
					3.91	-5.000	-0.0014	-2.5 to 2.5	Pass
					4.3	3.800	0.0011	-2.5 to 2.5	Pass
				-30	3.91	2.300	0.0007	-2.5 to 2.5	Pass
				-20	3.91	-2.000	-0.0006	-2.5 to 2.5	Pass
				-10	3.91	-6.400	-0.0018	-2.5 to 2.5	Pass
				0	3.91	-0.800	-0.0002	-2.5 to 2.5	Pass
				10	3.91	-3.800	-0.0011	-2.5 to 2.5	Pass
				30	3.91	-3.000	-0.0009	-2.5 to 2.5	Pass
				40	3.91	-5.500	-0.0016	-2.5 to 2.5	Pass
				50	3.91	-13.300	-0.0038	-2.5 to 2.5	Pass
	3547.5	25	0	20	3.6	0.000	0.0000	-2.5 to 2.5	Pass
					3.91	0.800	0.0002	-2.5 to 2.5	Pass
					4.3	-2.300	-0.0006	-2.5 to 2.5	Pass
				-30	3.91	-3.900	-0.0011	-2.5 to 2.5	Pass
				-20	3.91	5.100	0.0014	-2.5 to 2.5	Pass
				-10	3.91	0.900	0.0003	-2.5 to 2.5	Pass
				0	3.91	2.200	0.0006	-2.5 to 2.5	Pass
				10	3.91	-1.800	-0.0005	-2.5 to 2.5	Pass
				30	3.91	-3.000	-0.0008	-2.5 to 2.5	Pass
				40	3.91	1.300	0.0004	-2.5 to 2.5	Pass
				50	3.91	-5.900	-0.0017	-2.5 to 2.5	Pass
16QAM	3452.5	25	0	20	3.6	0.800	0.0002	-2.5 to 2.5	Pass
					3.91	2.400	0.0007	-2.5 to 2.5	Pass
					4.3	-9.600	-0.0028	-2.5 to 2.5	Pass
				-30	3.91	9.100	0.0026	-2.5 to 2.5	Pass
				-20	3.91	0.700	0.0002	-2.5 to 2.5	Pass
				-10	3.91	-7.100	-0.0021	-2.5 to 2.5	Pass
				0	3.91	5.000	0.0014	-2.5 to 2.5	Pass
				10	3.91	7.600	0.0022	-2.5 to 2.5	Pass
				30	3.91	0.600	0.0002	-2.5 to 2.5	Pass
				40	3.91	6.100	0.0018	-2.5 to 2.5	Pass
				50	3.91	2.700	0.0008	-2.5 to 2.5	Pass
	3500	25	0	20	3.6	-3.500	-0.0010	-2.5 to 2.5	Pass
					3.91	-4.000	-0.0011	-2.5 to 2.5	Pass
					4.3	6.600	0.0019	-2.5 to 2.5	Pass

				-30	3.91	-1.900	-0.0005	-2.5 to 2.5	Pass
				-20	3.91	-0.800	-0.0002	-2.5 to 2.5	Pass
				-10	3.91	1.300	0.0004	-2.5 to 2.5	Pass
				0	3.91	1.000	0.0003	-2.5 to 2.5	Pass
				10	3.91	-3.200	-0.0009	-2.5 to 2.5	Pass
				30	3.91	-9.000	-0.0026	-2.5 to 2.5	Pass
				40	3.91	1.700	0.0005	-2.5 to 2.5	Pass
				50	3.91	-9.200	-0.0026	-2.5 to 2.5	Pass
	3547.5	25	0	20	3.6	-7.200	-0.0020	-2.5 to 2.5	Pass
					3.91	-7.200	-0.0020	-2.5 to 2.5	Pass
					4.3	-2.900	-0.0008	-2.5 to 2.5	Pass
				-30	3.91	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.91	-2.100	-0.0006	-2.5 to 2.5	Pass
				-10	3.91	1.300	0.0004	-2.5 to 2.5	Pass
				0	3.91	1.700	0.0005	-2.5 to 2.5	Pass
				10	3.91	1.700	0.0005	-2.5 to 2.5	Pass
				30	3.91	-3.000	-0.0008	-2.5 to 2.5	Pass
				40	3.91	2.800	0.0008	-2.5 to 2.5	Pass
				50	3.91	0.100	0.0000	-2.5 to 2.5	Pass
64QAM	3452.5	25	0	20	3.6	9.600	0.0028	-2.5 to 2.5	Pass
					3.91	1.600	0.0005	-2.5 to 2.5	Pass
					4.3	-7.400	-0.0021	-2.5 to 2.5	Pass
				-30	3.91	-0.300	-0.0001	-2.5 to 2.5	Pass
				-20	3.91	0.800	0.0002	-2.5 to 2.5	Pass
				-10	3.91	3.100	0.0009	-2.5 to 2.5	Pass
				0	3.91	-8.100	-0.0023	-2.5 to 2.5	Pass
				10	3.91	2.000	0.0006	-2.5 to 2.5	Pass
				30	3.91	2.100	0.0006	-2.5 to 2.5	Pass
				40	3.91	1.400	0.0004	-2.5 to 2.5	Pass
				50	3.91	2.400	0.0007	-2.5 to 2.5	Pass
	3500	25	0	20	3.6	-34.700	-0.0099	-2.5 to 2.5	Pass
					3.91	22.300	0.0064	-2.5 to 2.5	Pass
					4.3	-10.300	-0.0029	-2.5 to 2.5	Pass
				-30	3.91	9.200	0.0026	-2.5 to 2.5	Pass
				-20	3.91	42.400	0.0121	-2.5 to 2.5	Pass
				-10	3.91	-1.000	-0.0003	-2.5 to 2.5	Pass
				0	3.91	1.200	0.0003	-2.5 to 2.5	Pass
				10	3.91	-14.800	-0.0042	-2.5 to 2.5	Pass
				30	3.91	-36.500	-0.0104	-2.5 to 2.5	Pass
				40	3.91	-42.200	-0.0121	-2.5 to 2.5	Pass
				50	3.91	-18.500	-0.0053	-2.5 to 2.5	Pass
	3547.5	25	0	20	3.6	-15.600	-0.0044	-2.5 to 2.5	Pass
					3.91	-22.600	-0.0064	-2.5 to 2.5	Pass
					4.3	15.100	0.0043	-2.5 to 2.5	Pass
				-30	3.91	-45.800	-0.0129	-2.5 to 2.5	Pass
				-20	3.91	-10.100	-0.0028	-2.5 to 2.5	Pass
				-10	3.91	-29.500	-0.0083	-2.5 to 2.5	Pass
				0	3.91	15.000	0.0042	-2.5 to 2.5	Pass
				10	3.91	-31.100	-0.0088	-2.5 to 2.5	Pass
				30	3.91	-11.100	-0.0031	-2.5 to 2.5	Pass
				40	3.91	-49.100	-0.0138	-2.5 to 2.5	Pass
				50	3.91	8.000	0.0023	-2.5 to 2.5	Pass
256QAM	3452.5	25	0	20	3.6	2.900	0.0008	-2.5 to 2.5	Pass
					3.91	-0.500	-0.0001	-2.5 to 2.5	Pass
					4.3	1.600	0.0005	-2.5 to 2.5	Pass
				-30	3.91	2.200	0.0006	-2.5 to 2.5	Pass
				-20	3.91	0.400	0.0001	-2.5 to 2.5	Pass
				-10	3.91	-2.900	-0.0008	-2.5 to 2.5	Pass
				0	3.91	-1.100	-0.0003	-2.5 to 2.5	Pass

				10	3.91	-0.700	-0.0002	-2.5 to 2.5	Pass
				30	3.91	1.200	0.0003	-2.5 to 2.5	Pass
				40	3.91	3.700	0.0011	-2.5 to 2.5	Pass
				50	3.91	5.200	0.0015	-2.5 to 2.5	Pass
	3500	25	0	20	3.6	4.000	0.0011	-2.5 to 2.5	Pass
					3.91	-0.600	-0.0002	-2.5 to 2.5	Pass
					4.3	4.000	0.0011	-2.5 to 2.5	Pass
				-30	3.91	5.000	0.0014	-2.5 to 2.5	Pass
				-20	3.91	-13.200	-0.0038	-2.5 to 2.5	Pass
				-10	3.91	-2.400	-0.0007	-2.5 to 2.5	Pass
				0	3.91	-0.400	-0.0001	-2.5 to 2.5	Pass
				10	3.91	-2.400	-0.0007	-2.5 to 2.5	Pass
				30	3.91	-2.400	-0.0007	-2.5 to 2.5	Pass
				40	3.91	3.100	0.0009	-2.5 to 2.5	Pass
				50	3.91	0.400	0.0001	-2.5 to 2.5	Pass
	3547.5	25	0	20	3.6	0.900	0.0003	-2.5 to 2.5	Pass
					3.91	0.700	0.0002	-2.5 to 2.5	Pass
					4.3	2.500	0.0007	-2.5 to 2.5	Pass
				-30	3.91	1.400	0.0004	-2.5 to 2.5	Pass
				-20	3.91	6.000	0.0017	-2.5 to 2.5	Pass
				-10	3.91	-0.200	-0.0001	-2.5 to 2.5	Pass
				0	3.91	3.600	0.0010	-2.5 to 2.5	Pass
				10	3.91	1.900	0.0005	-2.5 to 2.5	Pass
				30	3.91	2.400	0.0007	-2.5 to 2.5	Pass
				40	3.91	-8.600	-0.0024	-2.5 to 2.5	Pass
				50	3.91	2.100	0.0006	-2.5 to 2.5	Pass

3.1.2 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	3455	50	0	20	3.6	1.400	0.0004	-2.5 to 2.5	Pass
					3.91	1.900	0.0005	-2.5 to 2.5	Pass
					4.3	-1.300	-0.0004	-2.5 to 2.5	Pass
				-30	3.91	1.700	0.0005	-2.5 to 2.5	Pass
				-20	3.91	0.400	0.0001	-2.5 to 2.5	Pass
				-10	3.91	2.100	0.0006	-2.5 to 2.5	Pass
				0	3.91	1.900	0.0005	-2.5 to 2.5	Pass
				10	3.91	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.91	-0.500	-0.0001	-2.5 to 2.5	Pass
				40	3.91	-4.900	-0.0014	-2.5 to 2.5	Pass
				50	3.91	-1.100	-0.0003	-2.5 to 2.5	Pass
	3500	50	0	20	3.6	-1.100	-0.0003	-2.5 to 2.5	Pass
					3.91	3.300	0.0009	-2.5 to 2.5	Pass
					4.3	1.100	0.0003	-2.5 to 2.5	Pass
				-30	3.91	1.500	0.0004	-2.5 to 2.5	Pass
				-20	3.91	-4.100	-0.0012	-2.5 to 2.5	Pass
				-10	3.91	-0.100	0.0000	-2.5 to 2.5	Pass
				0	3.91	0.800	0.0002	-2.5 to 2.5	Pass
				10	3.91	-0.200	-0.0001	-2.5 to 2.5	Pass
				30	3.91	-3.600	-0.0010	-2.5 to 2.5	Pass
				40	3.91	2.000	0.0006	-2.5 to 2.5	Pass
				50	3.91	0.400	0.0001	-2.5 to 2.5	Pass
	3545	50	0	20	3.6	5.700	0.0016	-2.5 to 2.5	Pass
					3.91	-1.800	-0.0005	-2.5 to 2.5	Pass
					4.3	-7.500	-0.0021	-2.5 to 2.5	Pass

				-30	3.91	-5.000	-0.0014	-2.5 to 2.5	Pass
				-20	3.91	-3.900	-0.0011	-2.5 to 2.5	Pass
				-10	3.91	-0.100	0.0000	-2.5 to 2.5	Pass
				0	3.91	-1.600	-0.0005	-2.5 to 2.5	Pass
				10	3.91	1.700	0.0005	-2.5 to 2.5	Pass
				30	3.91	-3.300	-0.0009	-2.5 to 2.5	Pass
				40	3.91	-6.000	-0.0017	-2.5 to 2.5	Pass
				50	3.91	-0.400	-0.0001	-2.5 to 2.5	Pass
16QAM	3455	50	0	20	3.6	1.800	0.0005	-2.5 to 2.5	Pass
					3.91	-0.800	-0.0002	-2.5 to 2.5	Pass
					4.3	-4.000	-0.0012	-2.5 to 2.5	Pass
				-30	3.91	-3.400	-0.0010	-2.5 to 2.5	Pass
				-20	3.91	-2.800	-0.0008	-2.5 to 2.5	Pass
				-10	3.91	2.100	0.0006	-2.5 to 2.5	Pass
				0	3.91	-9.700	-0.0028	-2.5 to 2.5	Pass
				10	3.91	1.600	0.0005	-2.5 to 2.5	Pass
				30	3.91	0.300	0.0001	-2.5 to 2.5	Pass
				40	3.91	-1.800	-0.0005	-2.5 to 2.5	Pass
				50	3.91	-0.900	-0.0003	-2.5 to 2.5	Pass
	3500	50	0	20	3.6	-0.600	-0.0002	-2.5 to 2.5	Pass
					3.91	-2.100	-0.0006	-2.5 to 2.5	Pass
					4.3	1.900	0.0005	-2.5 to 2.5	Pass
				-30	3.91	1.400	0.0004	-2.5 to 2.5	Pass
				-20	3.91	1.300	0.0004	-2.5 to 2.5	Pass
				-10	3.91	-3.700	-0.0011	-2.5 to 2.5	Pass
				0	3.91	-4.500	-0.0013	-2.5 to 2.5	Pass
				10	3.91	1.700	0.0005	-2.5 to 2.5	Pass
				30	3.91	-3.300	-0.0009	-2.5 to 2.5	Pass
				40	3.91	-3.000	-0.0009	-2.5 to 2.5	Pass
				50	3.91	-4.800	-0.0014	-2.5 to 2.5	Pass
	3545	50	0	20	3.6	-2.000	-0.0006	-2.5 to 2.5	Pass
					3.91	-3.000	-0.0008	-2.5 to 2.5	Pass
					4.3	-10.900	-0.0031	-2.5 to 2.5	Pass
				-30	3.91	-2.400	-0.0007	-2.5 to 2.5	Pass
				-20	3.91	-2.800	-0.0008	-2.5 to 2.5	Pass
				-10	3.91	1.300	0.0004	-2.5 to 2.5	Pass
				0	3.91	-4.200	-0.0012	-2.5 to 2.5	Pass
				10	3.91	-1.700	-0.0005	-2.5 to 2.5	Pass
				30	3.91	-3.900	-0.0011	-2.5 to 2.5	Pass
				40	3.91	-0.800	-0.0002	-2.5 to 2.5	Pass
				50	3.91	-2.500	-0.0007	-2.5 to 2.5	Pass
64QAM	3455	50	0	20	3.6	-23.700	-0.0069	-2.5 to 2.5	Pass
					3.91	11.700	0.0034	-2.5 to 2.5	Pass
					4.3	-12.800	-0.0037	-2.5 to 2.5	Pass
				-30	3.91	2.000	0.0006	-2.5 to 2.5	Pass
				-20	3.91	11.100	0.0032	-2.5 to 2.5	Pass
				-10	3.91	-2.000	-0.0006	-2.5 to 2.5	Pass
				0	3.91	-9.400	-0.0027	-2.5 to 2.5	Pass
				10	3.91	-1.600	-0.0005	-2.5 to 2.5	Pass
				30	3.91	-1.200	-0.0003	-2.5 to 2.5	Pass
				40	3.91	-8.500	-0.0025	-2.5 to 2.5	Pass
				50	3.91	10.000	0.0029	-2.5 to 2.5	Pass
	3500	50	0	20	3.6	-16.200	-0.0046	-2.5 to 2.5	Pass
					3.91	4.700	0.0013	-2.5 to 2.5	Pass
					4.3	7.000	0.0020	-2.5 to 2.5	Pass
				-30	3.91	10.800	0.0031	-2.5 to 2.5	Pass
				-20	3.91	-18.300	-0.0052	-2.5 to 2.5	Pass
				-10	3.91	-27.200	-0.0078	-2.5 to 2.5	Pass
				0	3.91	13.200	0.0038	-2.5 to 2.5	Pass

				10	3.91	0.900	0.0003	-2.5 to 2.5	Pass
				30	3.91	-18.500	-0.0053	-2.5 to 2.5	Pass
				40	3.91	-27.500	-0.0079	-2.5 to 2.5	Pass
				50	3.91	3.000	0.0009	-2.5 to 2.5	Pass
	3545	50	0	20	3.6	-20.200	-0.0057	-2.5 to 2.5	Pass
					3.91	6.400	0.0018	-2.5 to 2.5	Pass
					4.3	3.100	0.0009	-2.5 to 2.5	Pass
				-30	3.91	-15.000	-0.0042	-2.5 to 2.5	Pass
				-20	3.91	-8.700	-0.0025	-2.5 to 2.5	Pass
				-10	3.91	20.000	0.0056	-2.5 to 2.5	Pass
				0	3.91	-11.900	-0.0034	-2.5 to 2.5	Pass
				10	3.91	20.500	0.0058	-2.5 to 2.5	Pass
				30	3.91	18.300	0.0052	-2.5 to 2.5	Pass
				40	3.91	20.700	0.0058	-2.5 to 2.5	Pass
				50	3.91	-15.100	-0.0043	-2.5 to 2.5	Pass
256QAM	3455	50	0	20	3.6	-3.000	-0.0009	-2.5 to 2.5	Pass
					3.91	-6.500	-0.0019	-2.5 to 2.5	Pass
					4.3	-0.300	-0.0001	-2.5 to 2.5	Pass
				-30	3.91	4.900	0.0014	-2.5 to 2.5	Pass
				-20	3.91	4.800	0.0014	-2.5 to 2.5	Pass
				-10	3.91	2.700	0.0008	-2.5 to 2.5	Pass
				0	3.91	-10.200	-0.0030	-2.5 to 2.5	Pass
				10	3.91	-0.600	-0.0002	-2.5 to 2.5	Pass
				30	3.91	-2.000	-0.0006	-2.5 to 2.5	Pass
				40	3.91	0.100	0.0000	-2.5 to 2.5	Pass
				50	3.91	-8.100	-0.0023	-2.5 to 2.5	Pass
	3500	50	0	20	3.6	-2.500	-0.0007	-2.5 to 2.5	Pass
					3.91	-1.100	-0.0003	-2.5 to 2.5	Pass
					4.3	5.300	0.0015	-2.5 to 2.5	Pass
				-30	3.91	-1.700	-0.0005	-2.5 to 2.5	Pass
				-20	3.91	-12.600	-0.0036	-2.5 to 2.5	Pass
				-10	3.91	-3.100	-0.0009	-2.5 to 2.5	Pass
				0	3.91	-11.100	-0.0032	-2.5 to 2.5	Pass
				10	3.91	-6.200	-0.0018	-2.5 to 2.5	Pass
				30	3.91	-3.900	-0.0011	-2.5 to 2.5	Pass
				40	3.91	-2.800	-0.0008	-2.5 to 2.5	Pass
				50	3.91	1.200	0.0003	-2.5 to 2.5	Pass
	3545	50	0	20	3.6	-2.000	-0.0006	-2.5 to 2.5	Pass
					3.91	-9.300	-0.0026	-2.5 to 2.5	Pass
					4.3	-2.700	-0.0008	-2.5 to 2.5	Pass
				-30	3.91	-0.700	-0.0002	-2.5 to 2.5	Pass
				-20	3.91	0.800	0.0002	-2.5 to 2.5	Pass
				-10	3.91	-3.200	-0.0009	-2.5 to 2.5	Pass
				0	3.91	-2.200	-0.0006	-2.5 to 2.5	Pass
				10	3.91	-0.200	-0.0001	-2.5 to 2.5	Pass
				30	3.91	0.800	0.0002	-2.5 to 2.5	Pass
				40	3.91	-3.400	-0.0010	-2.5 to 2.5	Pass
				50	3.91	-2.500	-0.0007	-2.5 to 2.5	Pass

3.1.3 B42a_15MHz

Band: 42a / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3457.5	75	0	20	3.6	-3.100	-0.0009	-2.5 to 2.5	Pass
					3.91	-4.800	-0.0014	-2.5 to 2.5	Pass
					4.3	-1.500	-0.0004	-2.5 to 2.5	Pass

				-30	3.91	0.100	0.0000	-2.5 to 2.5	Pass
				-20	3.91	0.600	0.0002	-2.5 to 2.5	Pass
				-10	3.91	-2.600	-0.0008	-2.5 to 2.5	Pass
				0	3.91	1.500	0.0004	-2.5 to 2.5	Pass
				10	3.91	-4.200	-0.0012	-2.5 to 2.5	Pass
				30	3.91	-4.200	-0.0012	-2.5 to 2.5	Pass
				40	3.91	-2.200	-0.0006	-2.5 to 2.5	Pass
				50	3.91	-2.700	-0.0008	-2.5 to 2.5	Pass
	3500	75	0	20	3.6	0.600	0.0002	-2.5 to 2.5	Pass
					3.91	1.400	0.0004	-2.5 to 2.5	Pass
					4.3	-12.600	-0.0036	-2.5 to 2.5	Pass
				-30	3.91	4.900	0.0014	-2.5 to 2.5	Pass
				-20	3.91	-1.700	-0.0005	-2.5 to 2.5	Pass
				-10	3.91	-5.900	-0.0017	-2.5 to 2.5	Pass
				0	3.91	-3.500	-0.0010	-2.5 to 2.5	Pass
				10	3.91	-12.100	-0.0035	-2.5 to 2.5	Pass
				30	3.91	-4.100	-0.0012	-2.5 to 2.5	Pass
				40	3.91	-1.500	-0.0004	-2.5 to 2.5	Pass
				50	3.91	-1.200	-0.0003	-2.5 to 2.5	Pass
	3542.5	75	0	20	3.6	2.100	0.0006	-2.5 to 2.5	Pass
					3.91	2.500	0.0007	-2.5 to 2.5	Pass
					4.3	-0.700	-0.0002	-2.5 to 2.5	Pass
				-30	3.91	2.000	0.0006	-2.5 to 2.5	Pass
				-20	3.91	1.400	0.0004	-2.5 to 2.5	Pass
				-10	3.91	1.500	0.0004	-2.5 to 2.5	Pass
				0	3.91	-0.300	-0.0001	-2.5 to 2.5	Pass
				10	3.91	4.700	0.0013	-2.5 to 2.5	Pass
				30	3.91	4.500	0.0013	-2.5 to 2.5	Pass
				40	3.91	4.600	0.0013	-2.5 to 2.5	Pass
				50	3.91	0.100	0.0000	-2.5 to 2.5	Pass
16QAM	3457.5	75	0	20	3.6	-0.300	-0.0001	-2.5 to 2.5	Pass
					3.91	6.000	0.0017	-2.5 to 2.5	Pass
					4.3	-3.500	-0.0010	-2.5 to 2.5	Pass
				-30	3.91	-4.000	-0.0012	-2.5 to 2.5	Pass
				-20	3.91	-1.000	-0.0003	-2.5 to 2.5	Pass
				-10	3.91	-1.600	-0.0005	-2.5 to 2.5	Pass
				0	3.91	-4.000	-0.0012	-2.5 to 2.5	Pass
				10	3.91	-2.100	-0.0006	-2.5 to 2.5	Pass
				30	3.91	-2.300	-0.0007	-2.5 to 2.5	Pass
				40	3.91	1.500	0.0004	-2.5 to 2.5	Pass
				50	3.91	2.100	0.0006	-2.5 to 2.5	Pass
	3500	75	0	20	3.6	-1.500	-0.0004	-2.5 to 2.5	Pass
					3.91	-5.100	-0.0015	-2.5 to 2.5	Pass
					4.3	0.100	0.0000	-2.5 to 2.5	Pass
				-30	3.91	-3.600	-0.0010	-2.5 to 2.5	Pass
				-20	3.91	2.800	0.0008	-2.5 to 2.5	Pass
				-10	3.91	-0.300	-0.0001	-2.5 to 2.5	Pass
				0	3.91	3.400	0.0010	-2.5 to 2.5	Pass
				10	3.91	4.300	0.0012	-2.5 to 2.5	Pass
				30	3.91	-0.800	-0.0002	-2.5 to 2.5	Pass
				40	3.91	-2.400	-0.0007	-2.5 to 2.5	Pass
				50	3.91	-0.900	-0.0003	-2.5 to 2.5	Pass
	3542.5	75	0	20	3.6	2.800	0.0008	-2.5 to 2.5	Pass
					3.91	5.200	0.0015	-2.5 to 2.5	Pass
					4.3	7.000	0.0020	-2.5 to 2.5	Pass
				-30	3.91	0.000	0.0000	-2.5 to 2.5	Pass
				-20	3.91	2.400	0.0007	-2.5 to 2.5	Pass
				-10	3.91	-2.600	-0.0007	-2.5 to 2.5	Pass
				0	3.91	-1.500	-0.0004	-2.5 to 2.5	Pass

				10	3.91	0.400	0.0001	-2.5 to 2.5	Pass
				30	3.91	10.300	0.0029	-2.5 to 2.5	Pass
				40	3.91	2.300	0.0006	-2.5 to 2.5	Pass
				50	3.91	-0.200	-0.0001	-2.5 to 2.5	Pass
64QAM	3457.5	75	0	20	3.6	-5.500	-0.0016	-2.5 to 2.5	Pass
					3.91	15.200	0.0044	-2.5 to 2.5	Pass
					4.3	-4.300	-0.0012	-2.5 to 2.5	Pass
				-30	3.91	-7.100	-0.0021	-2.5 to 2.5	Pass
				-20	3.91	9.100	0.0026	-2.5 to 2.5	Pass
				-10	3.91	5.700	0.0016	-2.5 to 2.5	Pass
				0	3.91	3.100	0.0009	-2.5 to 2.5	Pass
				10	3.91	-7.400	-0.0021	-2.5 to 2.5	Pass
				30	3.91	-8.900	-0.0026	-2.5 to 2.5	Pass
				40	3.91	-2.500	-0.0007	-2.5 to 2.5	Pass
				50	3.91	-2.100	-0.0006	-2.5 to 2.5	Pass
	3500	75	0	20	3.6	-10.800	-0.0031	-2.5 to 2.5	Pass
					3.91	8.300	0.0024	-2.5 to 2.5	Pass
					4.3	-4.500	-0.0013	-2.5 to 2.5	Pass
				-30	3.91	-5.000	-0.0014	-2.5 to 2.5	Pass
				-20	3.91	-23.500	-0.0067	-2.5 to 2.5	Pass
				-10	3.91	11.700	0.0033	-2.5 to 2.5	Pass
				0	3.91	-13.800	-0.0039	-2.5 to 2.5	Pass
				10	3.91	-0.100	0.0000	-2.5 to 2.5	Pass
				30	3.91	0.400	0.0001	-2.5 to 2.5	Pass
				40	3.91	11.900	0.0034	-2.5 to 2.5	Pass
				50	3.91	-17.600	-0.0050	-2.5 to 2.5	Pass
	3542.5	75	0	20	3.6	-4.600	-0.0013	-2.5 to 2.5	Pass
					3.91	-25.800	-0.0073	-2.5 to 2.5	Pass
					4.3	-2.300	-0.0006	-2.5 to 2.5	Pass
				-30	3.91	-14.000	-0.0040	-2.5 to 2.5	Pass
				-20	3.91	-2.000	-0.0006	-2.5 to 2.5	Pass
				-10	3.91	-7.400	-0.0021	-2.5 to 2.5	Pass
				0	3.91	-9.800	-0.0028	-2.5 to 2.5	Pass
				10	3.91	2.900	0.0008	-2.5 to 2.5	Pass
				30	3.91	5.400	0.0015	-2.5 to 2.5	Pass
				40	3.91	2.200	0.0006	-2.5 to 2.5	Pass
				50	3.91	18.900	0.0053	-2.5 to 2.5	Pass
256QAM	3457.5	75	0	20	3.6	-3.700	-0.0011	-2.5 to 2.5	Pass
					3.91	-1.400	-0.0004	-2.5 to 2.5	Pass
					4.3	-12.900	-0.0037	-2.5 to 2.5	Pass
				-30	3.91	-2.700	-0.0008	-2.5 to 2.5	Pass
				-20	3.91	-1.200	-0.0003	-2.5 to 2.5	Pass
				-10	3.91	7.000	0.0020	-2.5 to 2.5	Pass
				0	3.91	-8.800	-0.0025	-2.5 to 2.5	Pass
				10	3.91	0.500	0.0001	-2.5 to 2.5	Pass
				30	3.91	2.200	0.0006	-2.5 to 2.5	Pass
				40	3.91	-2.300	-0.0007	-2.5 to 2.5	Pass
				50	3.91	-3.700	-0.0011	-2.5 to 2.5	Pass
	3500	75	0	20	3.6	-2.400	-0.0007	-2.5 to 2.5	Pass
					3.91	2.000	0.0006	-2.5 to 2.5	Pass
					4.3	-5.000	-0.0014	-2.5 to 2.5	Pass
				-30	3.91	-4.300	-0.0012	-2.5 to 2.5	Pass
				-20	3.91	-3.100	-0.0009	-2.5 to 2.5	Pass
				-10	3.91	-3.900	-0.0011	-2.5 to 2.5	Pass
				0	3.91	3.600	0.0010	-2.5 to 2.5	Pass
				10	3.91	4.900	0.0014	-2.5 to 2.5	Pass
				30	3.91	-2.100	-0.0006	-2.5 to 2.5	Pass
				40	3.91	-4.300	-0.0012	-2.5 to 2.5	Pass
				50	3.91	3.200	0.0009	-2.5 to 2.5	Pass

	3542.5	75	0	20	3.6	3.100	0.0009	-2.5 to 2.5	Pass
					3.91	5.300	0.0015	-2.5 to 2.5	Pass
					4.3	-1.700	-0.0005	-2.5 to 2.5	Pass
				-30	3.91	-7.900	-0.0022	-2.5 to 2.5	Pass
				-20	3.91	2.600	0.0007	-2.5 to 2.5	Pass
				-10	3.91	2.600	0.0007	-2.5 to 2.5	Pass
				0	3.91	0.400	0.0001	-2.5 to 2.5	Pass
				10	3.91	0.200	0.0001	-2.5 to 2.5	Pass
				30	3.91	-0.400	-0.0001	-2.5 to 2.5	Pass
				40	3.91	-1.300	-0.0004	-2.5 to 2.5	Pass
				50	3.91	5.700	0.0016	-2.5 to 2.5	Pass

3.1.4 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	3.6	0.400	0.0001	-2.5 to 2.5	Pass
					3.91	-0.800	-0.0002	-2.5 to 2.5	Pass
					4.3	-0.400	-0.0001	-2.5 to 2.5	Pass
				-30	3.91	-0.800	-0.0002	-2.5 to 2.5	Pass
				-20	3.91	-2.000	-0.0006	-2.5 to 2.5	Pass
				-10	3.91	-8.500	-0.0025	-2.5 to 2.5	Pass
				0	3.91	3.700	0.0011	-2.5 to 2.5	Pass
				10	3.91	4.000	0.0012	-2.5 to 2.5	Pass
				30	3.91	-9.300	-0.0027	-2.5 to 2.5	Pass
				40	3.91	-2.000	-0.0006	-2.5 to 2.5	Pass
				50	3.91	2.200	0.0006	-2.5 to 2.5	Pass
	3500	100	0	20	3.6	-3.100	-0.0009	-2.5 to 2.5	Pass
					3.91	-3.200	-0.0009	-2.5 to 2.5	Pass
					4.3	-1.200	-0.0003	-2.5 to 2.5	Pass
				-30	3.91	1.400	0.0004	-2.5 to 2.5	Pass
				-20	3.91	-6.000	-0.0017	-2.5 to 2.5	Pass
				-10	3.91	-9.900	-0.0028	-2.5 to 2.5	Pass
				0	3.91	-11.900	-0.0034	-2.5 to 2.5	Pass
				10	3.91	-0.300	-0.0001	-2.5 to 2.5	Pass
				30	3.91	-5.300	-0.0015	-2.5 to 2.5	Pass
				40	3.91	-1.600	-0.0005	-2.5 to 2.5	Pass
				50	3.91	-0.600	-0.0002	-2.5 to 2.5	Pass
	3540	100	0	20	3.6	-3.100	-0.0009	-2.5 to 2.5	Pass
					3.91	-0.500	-0.0001	-2.5 to 2.5	Pass
					4.3	-4.200	-0.0012	-2.5 to 2.5	Pass
				-30	3.91	-2.400	-0.0007	-2.5 to 2.5	Pass
				-20	3.91	-1.400	-0.0004	-2.5 to 2.5	Pass
				-10	3.91	1.100	0.0003	-2.5 to 2.5	Pass
				0	3.91	-4.800	-0.0014	-2.5 to 2.5	Pass
				10	3.91	-5.100	-0.0014	-2.5 to 2.5	Pass
				30	3.91	-4.700	-0.0013	-2.5 to 2.5	Pass
				40	3.91	4.800	0.0014	-2.5 to 2.5	Pass
				50	3.91	-3.800	-0.0011	-2.5 to 2.5	Pass
16QAM	3460	100	0	20	3.6	2.000	0.0006	-2.5 to 2.5	Pass
					3.91	5.900	0.0017	-2.5 to 2.5	Pass
					4.3	1.200	0.0003	-2.5 to 2.5	Pass
				-30	3.91	1.200	0.0003	-2.5 to 2.5	Pass
				-20	3.91	0.700	0.0002	-2.5 to 2.5	Pass
				-10	3.91	-5.300	-0.0015	-2.5 to 2.5	Pass
				0	3.91	6.800	0.0020	-2.5 to 2.5	Pass

				10	3.91	0.100	0.0000	-2.5 to 2.5	Pass
				30	3.91	10.000	0.0029	-2.5 to 2.5	Pass
				40	3.91	0.700	0.0002	-2.5 to 2.5	Pass
				50	3.91	0.400	0.0001	-2.5 to 2.5	Pass
	3500	100	0	20	3.6	-9.500	-0.0027	-2.5 to 2.5	Pass
					3.91	-4.700	-0.0013	-2.5 to 2.5	Pass
					4.3	-1.200	-0.0003	-2.5 to 2.5	Pass
				-30	3.91	-10.500	-0.0030	-2.5 to 2.5	Pass
				-20	3.91	-11.000	-0.0031	-2.5 to 2.5	Pass
				-10	3.91	-6.300	-0.0018	-2.5 to 2.5	Pass
				0	3.91	-4.700	-0.0013	-2.5 to 2.5	Pass
				10	3.91	2.500	0.0007	-2.5 to 2.5	Pass
				30	3.91	-10.300	-0.0029	-2.5 to 2.5	Pass
				40	3.91	-5.000	-0.0014	-2.5 to 2.5	Pass
				50	3.91	-8.600	-0.0025	-2.5 to 2.5	Pass
	3540	100	0	20	3.6	-10.200	-0.0029	-2.5 to 2.5	Pass
					3.91	-3.100	-0.0009	-2.5 to 2.5	Pass
					4.3	0.200	0.0001	-2.5 to 2.5	Pass
				-30	3.91	0.700	0.0002	-2.5 to 2.5	Pass
				-20	3.91	-2.900	-0.0008	-2.5 to 2.5	Pass
				-10	3.91	-1.300	-0.0004	-2.5 to 2.5	Pass
				0	3.91	-1.800	-0.0005	-2.5 to 2.5	Pass
				10	3.91	3.300	0.0009	-2.5 to 2.5	Pass
				30	3.91	-2.500	-0.0007	-2.5 to 2.5	Pass
				40	3.91	-2.500	-0.0007	-2.5 to 2.5	Pass
				50	3.91	-1.300	-0.0004	-2.5 to 2.5	Pass
64QAM	3460	100	0	20	3.6	-12.800	-0.0037	-2.5 to 2.5	Pass
					3.91	2.000	0.0006	-2.5 to 2.5	Pass
					4.3	5.200	0.0015	-2.5 to 2.5	Pass
				-30	3.91	-7.800	-0.0023	-2.5 to 2.5	Pass
				-20	3.91	-8.200	-0.0024	-2.5 to 2.5	Pass
				-10	3.91	4.700	0.0014	-2.5 to 2.5	Pass
				0	3.91	-12.000	-0.0035	-2.5 to 2.5	Pass
				10	3.91	10.600	0.0031	-2.5 to 2.5	Pass
				30	3.91	-13.400	-0.0039	-2.5 to 2.5	Pass
				40	3.91	-5.600	-0.0016	-2.5 to 2.5	Pass
				50	3.91	-4.200	-0.0012	-2.5 to 2.5	Pass
	3500	100	0	20	3.6	-14.200	-0.0041	-2.5 to 2.5	Pass
					3.91	3.500	0.0010	-2.5 to 2.5	Pass
					4.3	-11.000	-0.0031	-2.5 to 2.5	Pass
				-30	3.91	-2.800	-0.0008	-2.5 to 2.5	Pass
				-20	3.91	-3.600	-0.0010	-2.5 to 2.5	Pass
				-10	3.91	1.200	0.0003	-2.5 to 2.5	Pass
				0	3.91	3.300	0.0009	-2.5 to 2.5	Pass
				10	3.91	5.000	0.0014	-2.5 to 2.5	Pass
				30	3.91	4.900	0.0014	-2.5 to 2.5	Pass
				40	3.91	-13.100	-0.0037	-2.5 to 2.5	Pass
				50	3.91	0.300	0.0001	-2.5 to 2.5	Pass
	3540	100	0	20	3.6	5.200	0.0015	-2.5 to 2.5	Pass
					3.91	-10.600	-0.0030	-2.5 to 2.5	Pass
					4.3	1.800	0.0005	-2.5 to 2.5	Pass
				-30	3.91	-3.300	-0.0009	-2.5 to 2.5	Pass
				-20	3.91	10.700	0.0030	-2.5 to 2.5	Pass
				-10	3.91	-10.100	-0.0029	-2.5 to 2.5	Pass
				0	3.91	-1.000	-0.0003	-2.5 to 2.5	Pass
				10	3.91	5.500	0.0016	-2.5 to 2.5	Pass
				30	3.91	4.900	0.0014	-2.5 to 2.5	Pass
				40	3.91	-14.400	-0.0041	-2.5 to 2.5	Pass
				50	3.91	-10.000	-0.0028	-2.5 to 2.5	Pass

256QAM	3460	100	0	20	3.6	4.300	0.0012	-2.5 to 2.5	Pass
					3.91	0.300	0.0001	-2.5 to 2.5	Pass
					4.3	1.800	0.0005	-2.5 to 2.5	Pass
				-30	3.91	1.000	0.0003	-2.5 to 2.5	Pass
				-20	3.91	2.800	0.0008	-2.5 to 2.5	Pass
				-10	3.91	2.600	0.0008	-2.5 to 2.5	Pass
				0	3.91	1.300	0.0004	-2.5 to 2.5	Pass
				10	3.91	-10.100	-0.0029	-2.5 to 2.5	Pass
				30	3.91	1.200	0.0003	-2.5 to 2.5	Pass
				40	3.91	2.400	0.0007	-2.5 to 2.5	Pass
				50	3.91	-11.000	-0.0032	-2.5 to 2.5	Pass
	3500	100	0	20	3.6	-3.400	-0.0010	-2.5 to 2.5	Pass
					3.91	-0.700	-0.0002	-2.5 to 2.5	Pass
					4.3	9.600	0.0027	-2.5 to 2.5	Pass
				-30	3.91	-2.600	-0.0007	-2.5 to 2.5	Pass
				-20	3.91	-2.200	-0.0006	-2.5 to 2.5	Pass
				-10	3.91	-0.500	-0.0001	-2.5 to 2.5	Pass
				0	3.91	4.600	0.0013	-2.5 to 2.5	Pass
				10	3.91	-1.000	-0.0003	-2.5 to 2.5	Pass
				30	3.91	-2.100	-0.0006	-2.5 to 2.5	Pass
				40	3.91	-4.000	-0.0011	-2.5 to 2.5	Pass
				50	3.91	-4.400	-0.0013	-2.5 to 2.5	Pass
	3540	100	0	20	3.6	-2.000	-0.0006	-2.5 to 2.5	Pass
					3.91	-11.400	-0.0032	-2.5 to 2.5	Pass
					4.3	0.600	0.0002	-2.5 to 2.5	Pass
				-30	3.91	-10.200	-0.0029	-2.5 to 2.5	Pass
				-20	3.91	1.800	0.0005	-2.5 to 2.5	Pass
				-10	3.91	6.600	0.0019	-2.5 to 2.5	Pass
				0	3.91	-0.400	-0.0001	-2.5 to 2.5	Pass
				10	3.91	-1.800	-0.0005	-2.5 to 2.5	Pass
				30	3.91	-2.300	-0.0006	-2.5 to 2.5	Pass
				40	3.91	-0.900	-0.0003	-2.5 to 2.5	Pass
				50	3.91	-9.700	-0.0027	-2.5 to 2.5	Pass

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band42a_OBW

Band: 42a / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	4.566	/	Pass
		3500	25	0	4.557	/	Pass
		3547.5	25	0	4.569	/	Pass
	16QAM	3452.5	25	0	4.548	/	Pass
		3500	25	0	4.537	/	Pass
		3547.5	25	0	4.550	/	Pass
	64QAM	3452.5	25	0	4.530	/	Pass
		3500	25	0	4.549	/	Pass
		3547.5	25	0	4.557	/	Pass
	256QAM	3452.5	25	0	4.551	/	Pass
		3500	25	0	4.577	/	Pass
		3547.5	25	0	4.555	/	Pass
10	QPSK	3455	50	0	9.070	/	Pass
		3500	50	0	9.074	/	Pass
		3545	50	0	9.057	/	Pass
	16QAM	3455	50	0	9.058	/	Pass
		3500	50	0	9.080	/	Pass
		3545	50	0	9.048	/	Pass
	64QAM	3455	50	0	9.066	/	Pass
		3500	50	0	9.090	/	Pass
		3545	50	0	9.094	/	Pass
	256QAM	3455	50	0	9.087	/	Pass
		3500	50	0	9.097	/	Pass
		3545	50	0	9.069	/	Pass
15	QPSK	3457.5	75	0	13.640	/	Pass
		3500	75	0	13.603	/	Pass
		3542.5	75	0	13.580	/	Pass
	16QAM	3457.5	75	0	13.639	/	Pass
		3500	75	0	13.613	/	Pass
		3542.5	75	0	13.612	/	Pass
	64QAM	3457.5	75	0	13.620	/	Pass
		3500	75	0	13.603	/	Pass
		3542.5	75	0	13.622	/	Pass
	256QAM	3457.5	75	0	13.628	/	Pass
		3500	75	0	13.570	/	Pass
		3542.5	75	0	13.612	/	Pass
20	QPSK	3460	100	0	18.115	/	Pass
		3500	100	0	18.189	/	Pass
		3540	100	0	18.146	/	Pass
	16QAM	3460	100	0	18.144	/	Pass
		3500	100	0	18.120	/	Pass
		3540	100	0	18.128	/	Pass
	64QAM	3460	100	0	18.118	/	Pass
		3500	100	0	18.120	/	Pass
		3540	100	0	18.090	/	Pass
	256QAM	3460	100	0	18.121	/	Pass
		3500	100	0	18.073	/	Pass

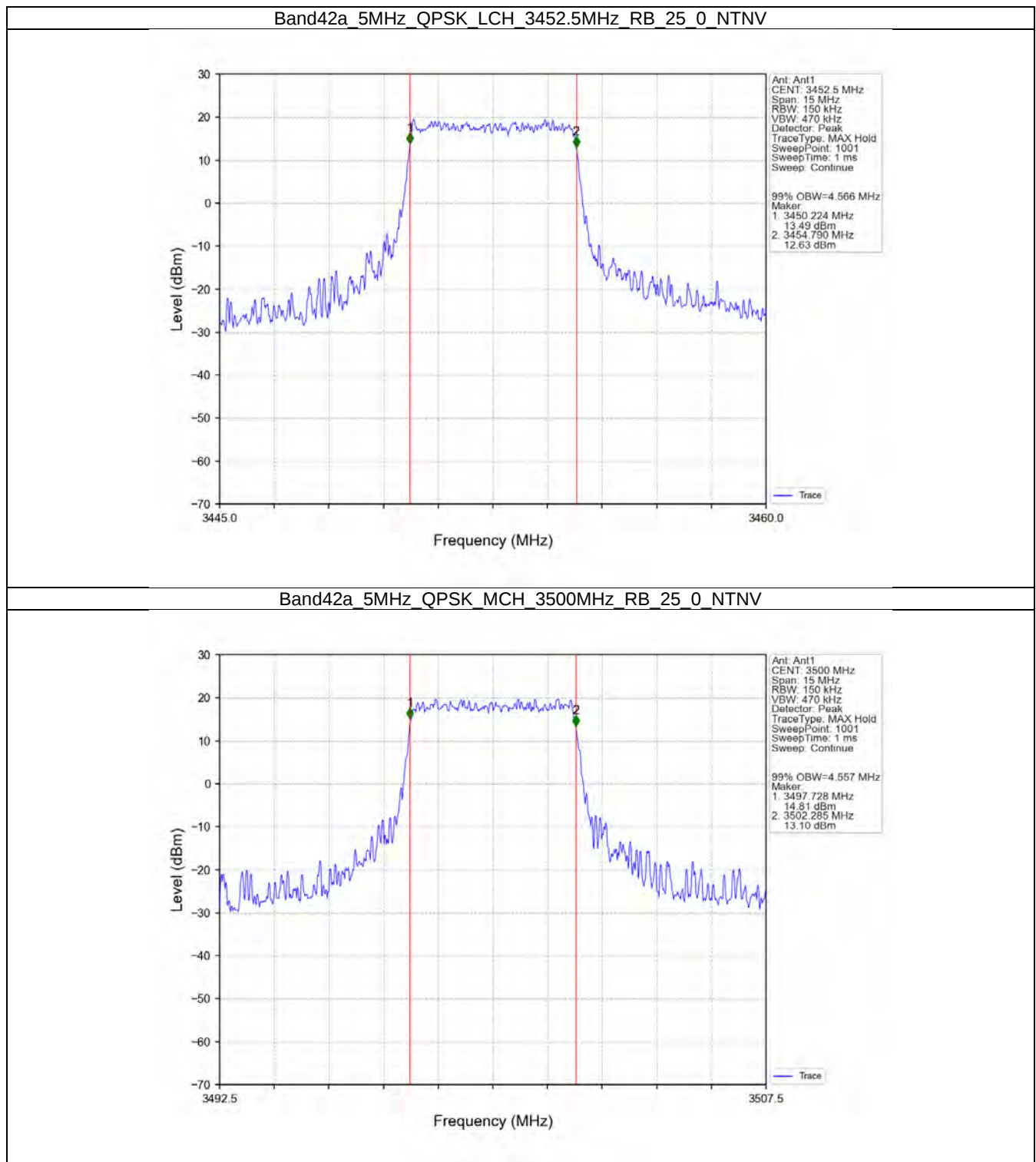
		3540	100	0	18.118	/	Pass
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4.1.2 Band42a_XDB

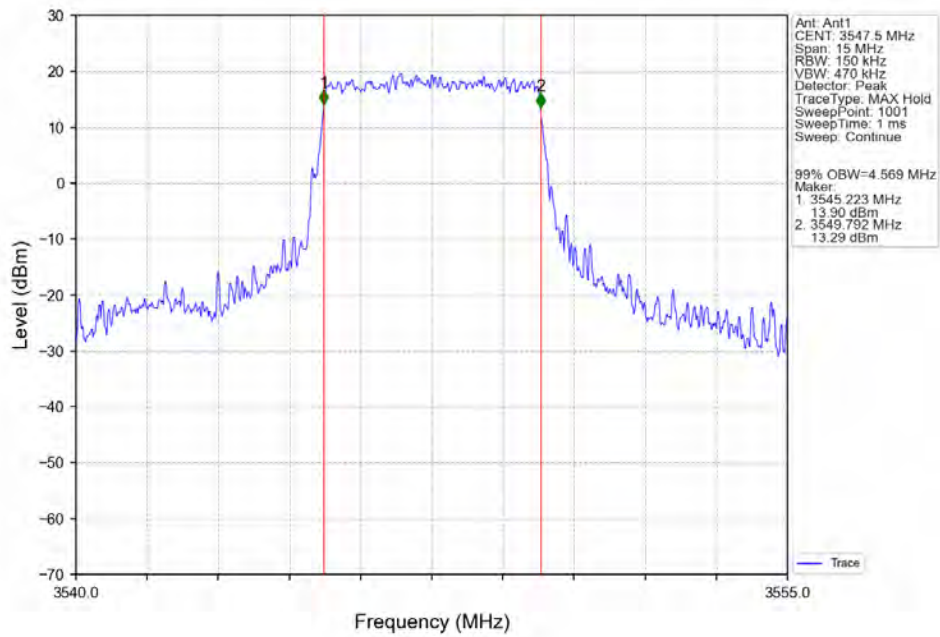
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	5.232	/	Pass
		3500	25	0	5.188	/	Pass
		3547.5	25	0	5.432	/	Pass
	16QAM	3452.5	25	0	5.221	/	Pass
		3500	25	0	5.216	/	Pass
		3547.5	25	0	5.179	/	Pass
	64QAM	3452.5	25	0	5.172	/	Pass
		3500	25	0	5.239	/	Pass
		3547.5	25	0	5.185	/	Pass
	256QAM	3452.5	25	0	5.158	/	Pass
		3500	25	0	5.399	/	Pass
		3547.5	25	0	5.220	/	Pass
10	QPSK	3455	50	0	10.383	/	Pass
		3500	50	0	10.291	/	Pass
		3545	50	0	10.297	/	Pass
	16QAM	3455	50	0	10.198	/	Pass
		3500	50	0	10.065	/	Pass
		3545	50	0	10.121	/	Pass
	64QAM	3455	50	0	10.980	/	Pass
		3500	50	0	10.359	/	Pass
		3545	50	0	10.209	/	Pass
	256QAM	3455	50	0	10.503	/	Pass
		3500	50	0	10.238	/	Pass
		3545	50	0	10.569	/	Pass
15	QPSK	3457.5	75	0	15.902	/	Pass
		3500	75	0	16.816	/	Pass
		3542.5	75	0	15.308	/	Pass
	16QAM	3457.5	75	0	15.039	/	Pass
		3500	75	0	16.294	/	Pass
		3542.5	75	0	15.817	/	Pass
	64QAM	3457.5	75	0	15.523	/	Pass
		3500	75	0	15.052	/	Pass
		3542.5	75	0	15.127	/	Pass
	256QAM	3457.5	75	0	15.175	/	Pass
		3500	75	0	18.236	/	Pass
		3542.5	75	0	15.728	/	Pass
20	QPSK	3460	100	0	20.521	/	Pass
		3500	100	0	20.037	/	Pass
		3540	100	0	22.246	/	Pass
	16QAM	3460	100	0	22.284	/	Pass
		3500	100	0	19.963	/	Pass
		3540	100	0	19.910	/	Pass
	64QAM	3460	100	0	22.749	/	Pass
		3500	100	0	20.985	/	Pass
		3540	100	0	19.758	/	Pass
	256QAM	3460	100	0	20.950	/	Pass
		3500	100	0	20.170	/	Pass
		3540	100	0	20.652	/	Pass

4.2 Test Graph

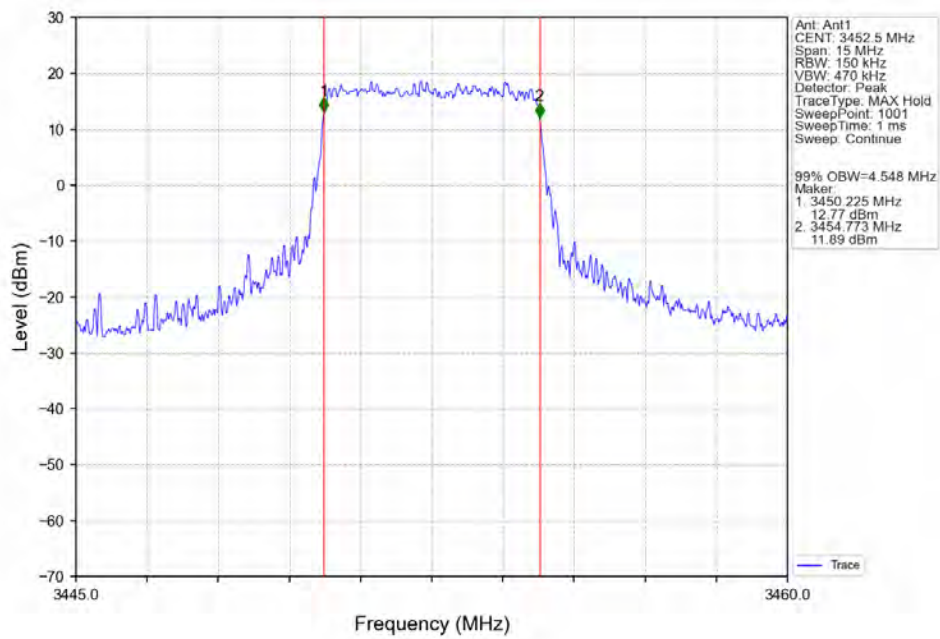
4.2.1 Band42a_OBW



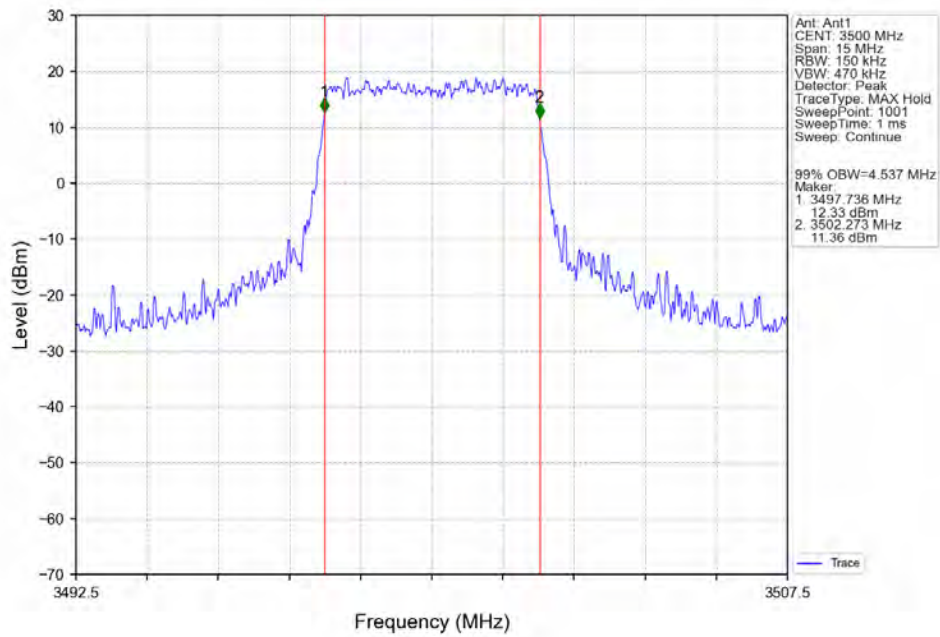
Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTNV



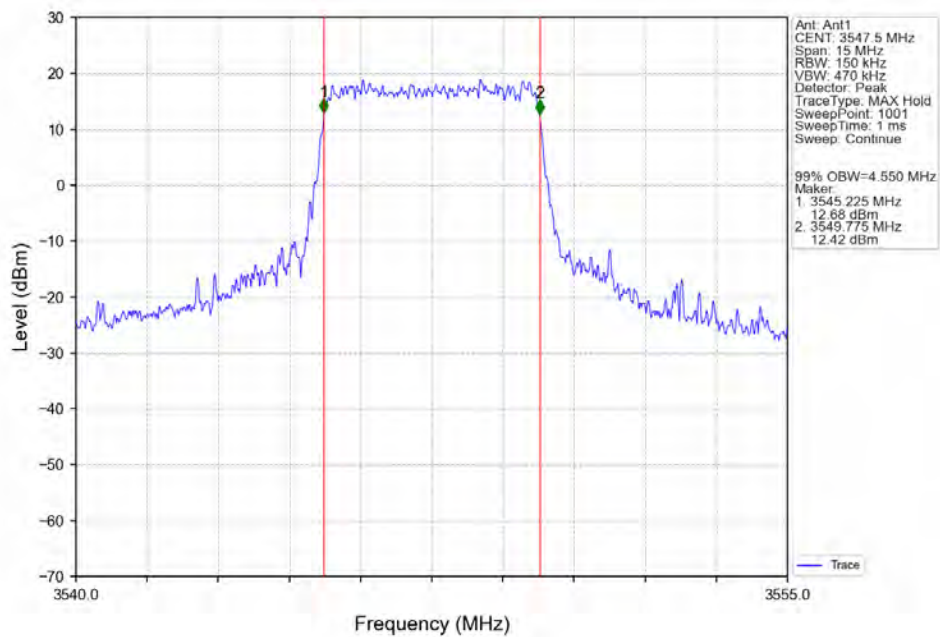
Band42a 5MHz 16QAM LCH 3452.5MHz RB 25 0 NTNV



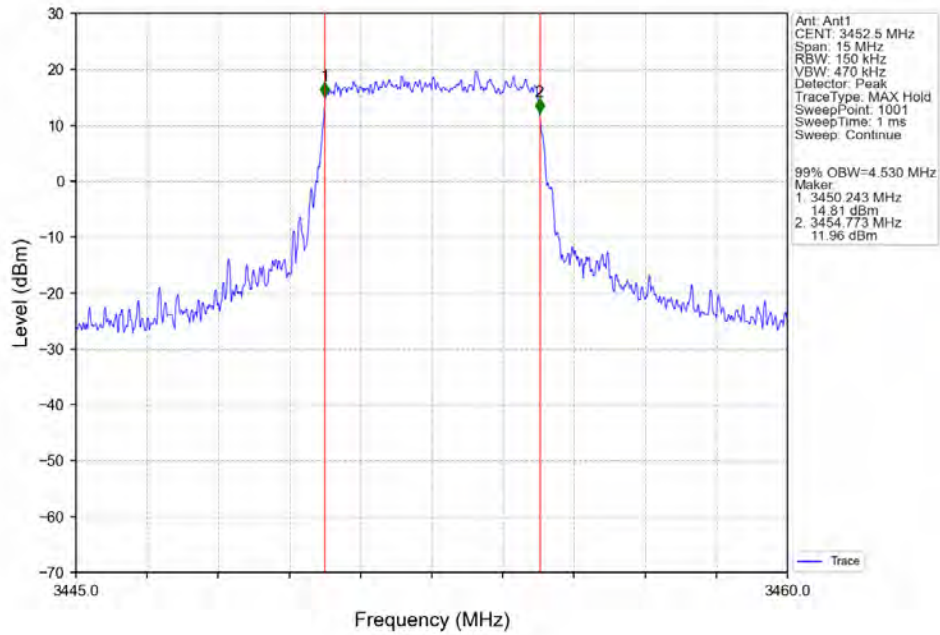
Band42a 5MHz 16QAM MCH 3500MHz RB 25 0 NTNV



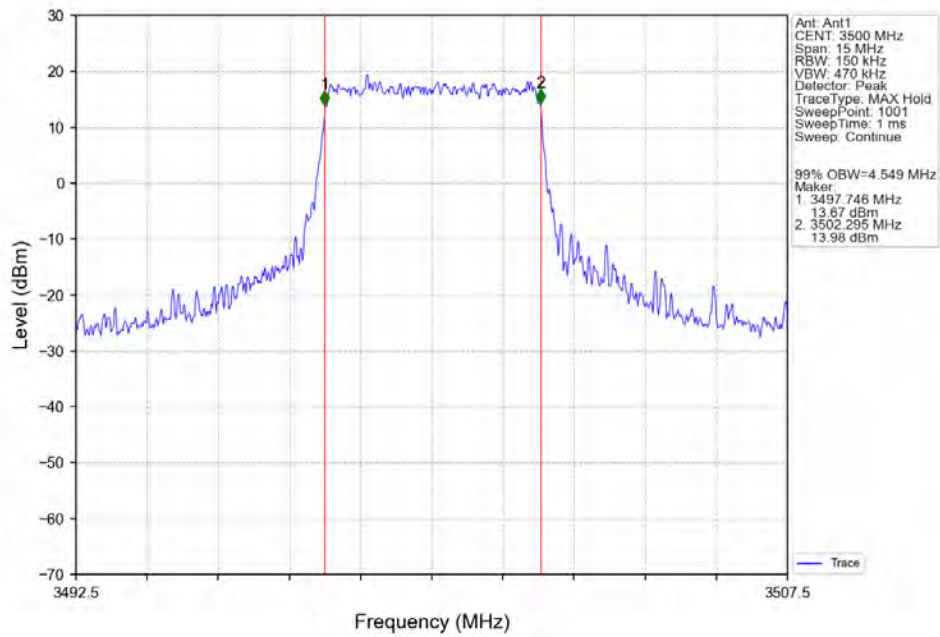
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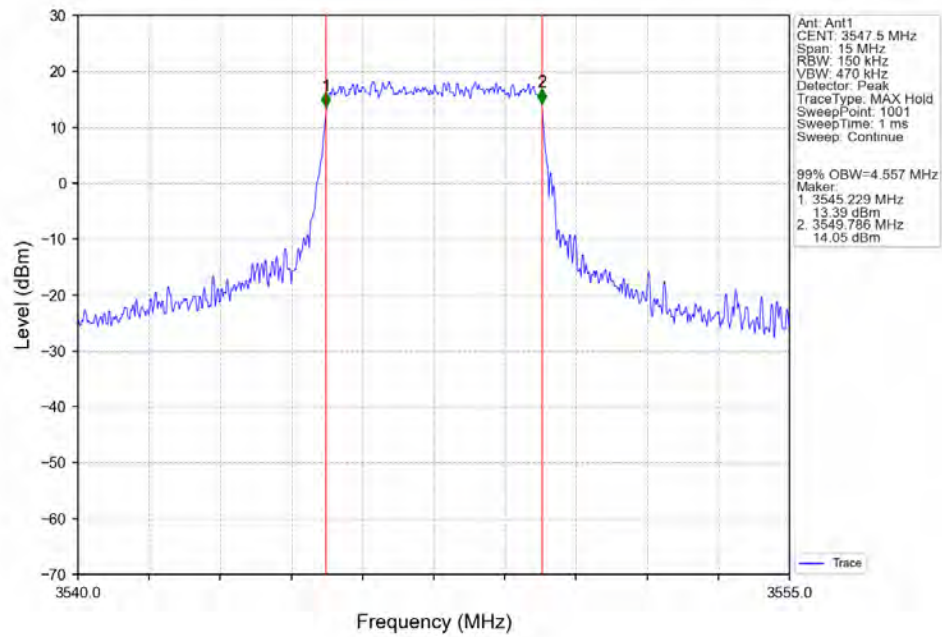
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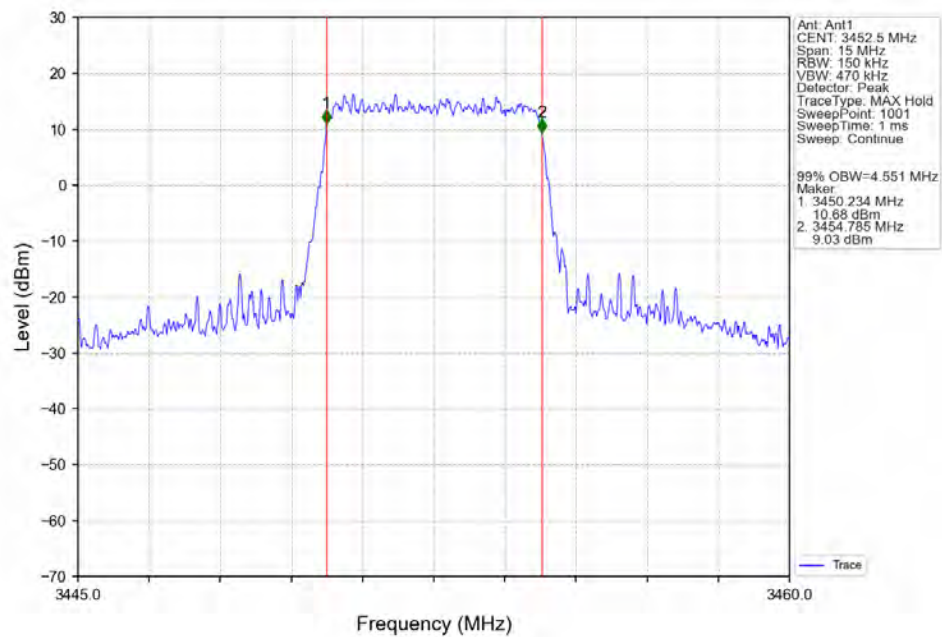
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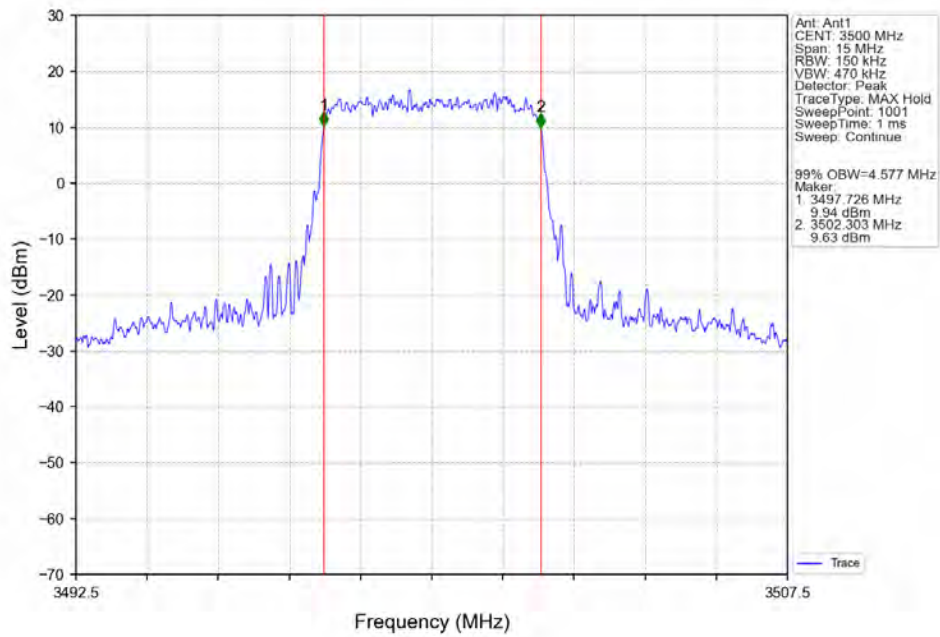
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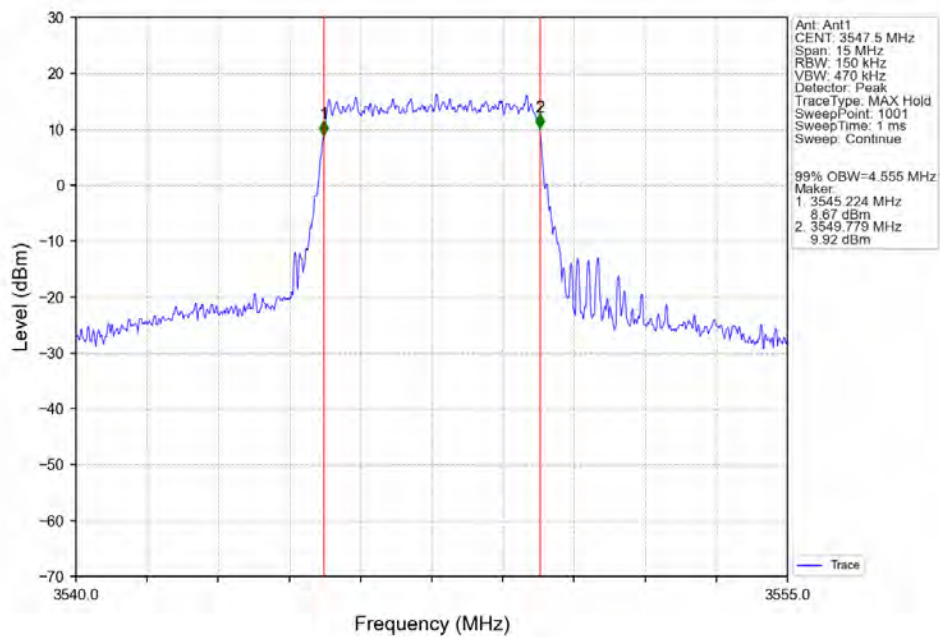
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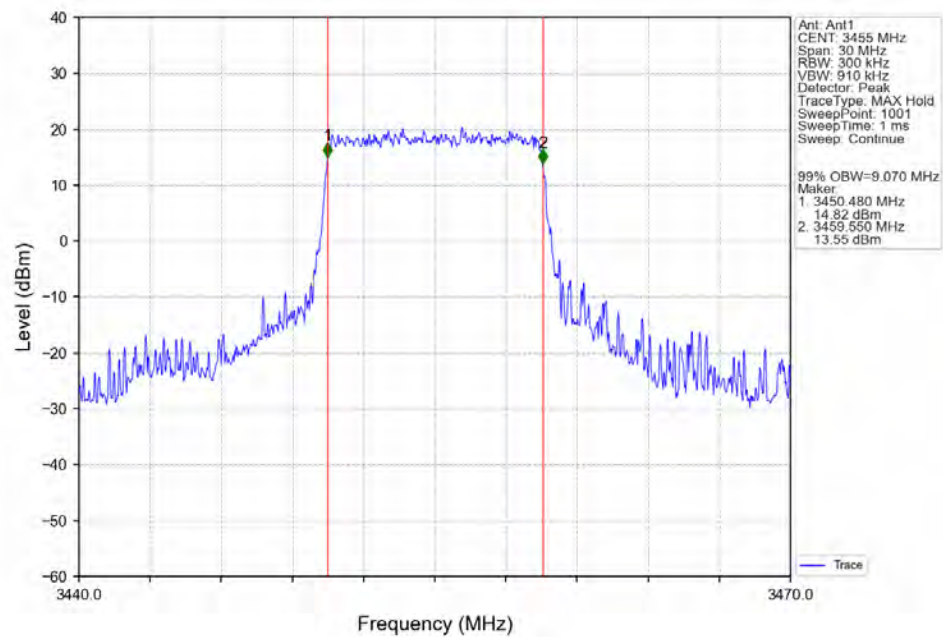
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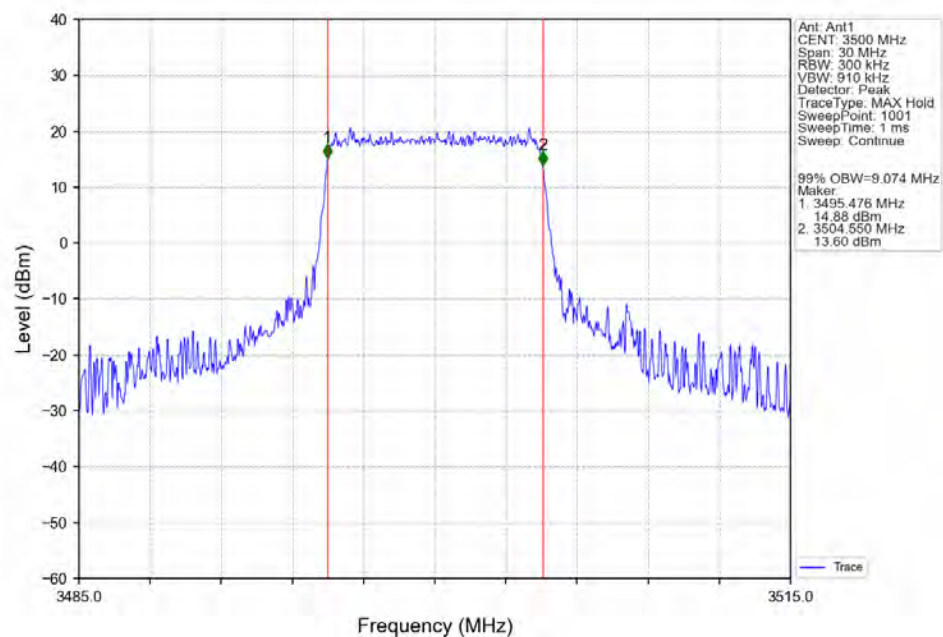
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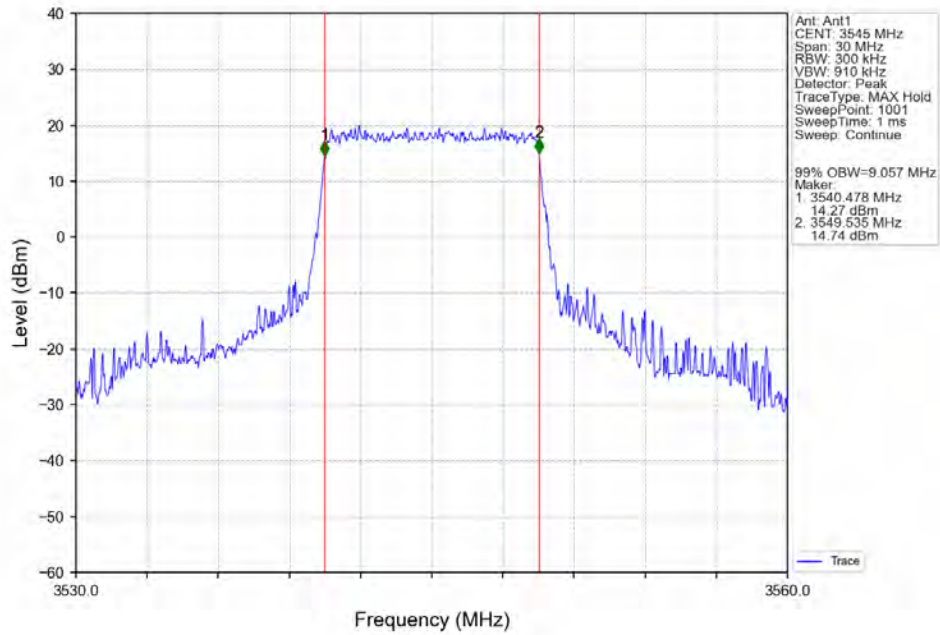
Band42a 10MHz QPSK LCH 3455MHz RB 50 0 NTNV



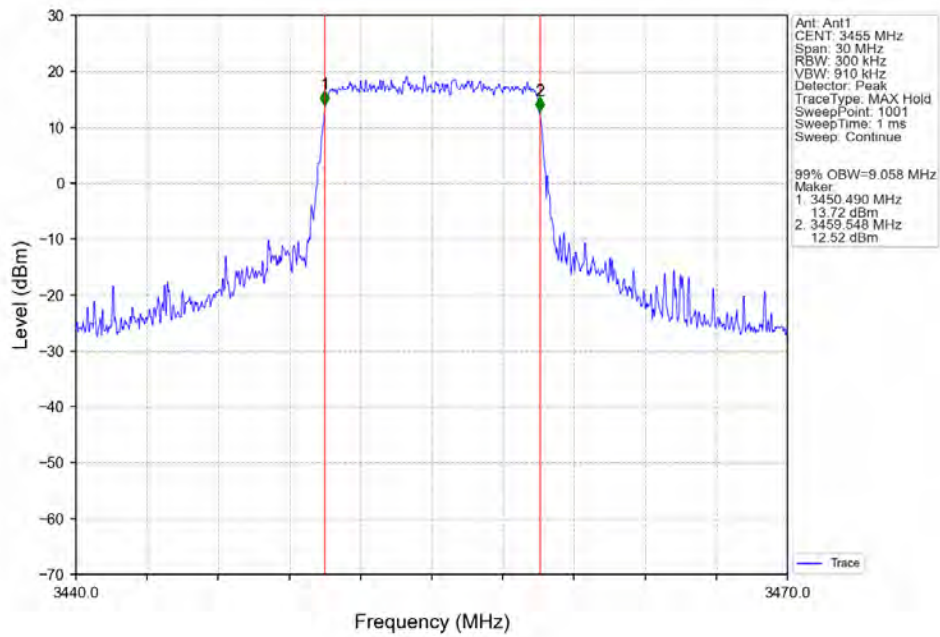
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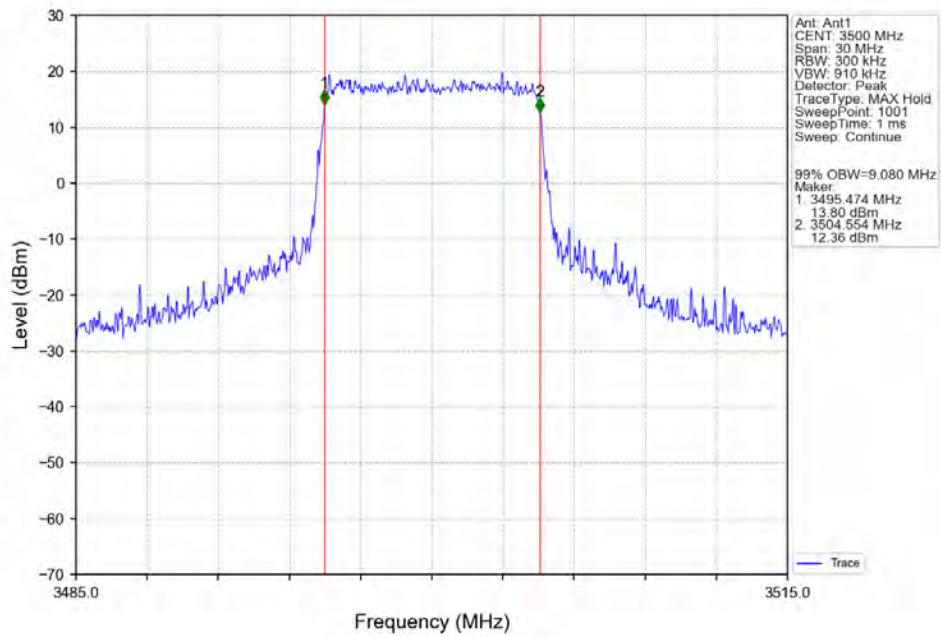
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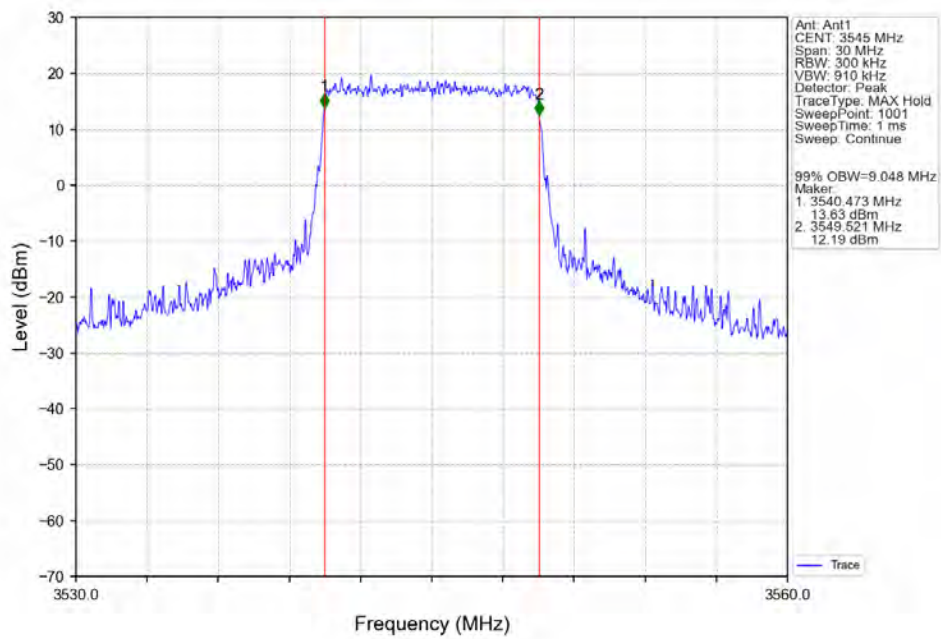
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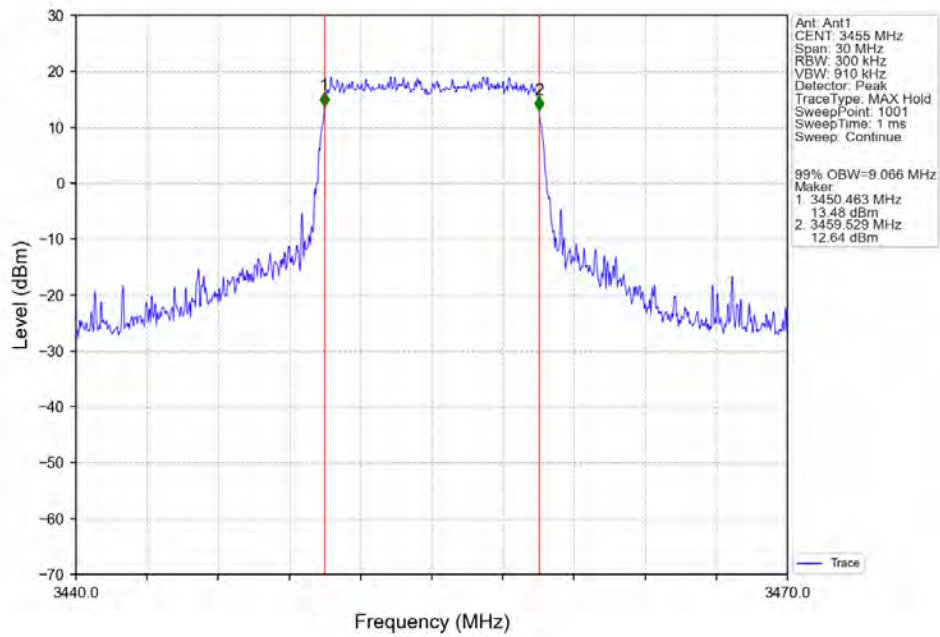
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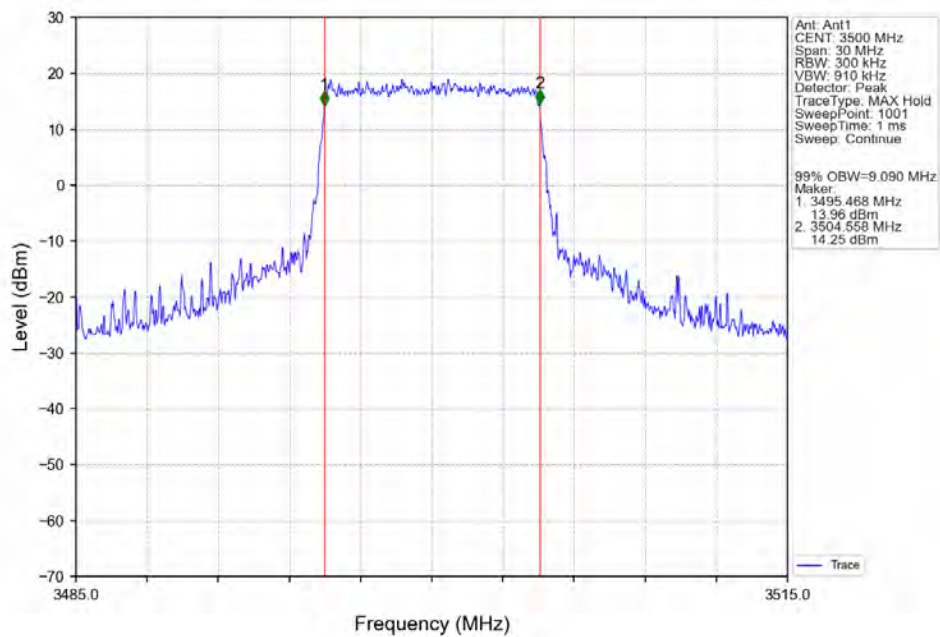
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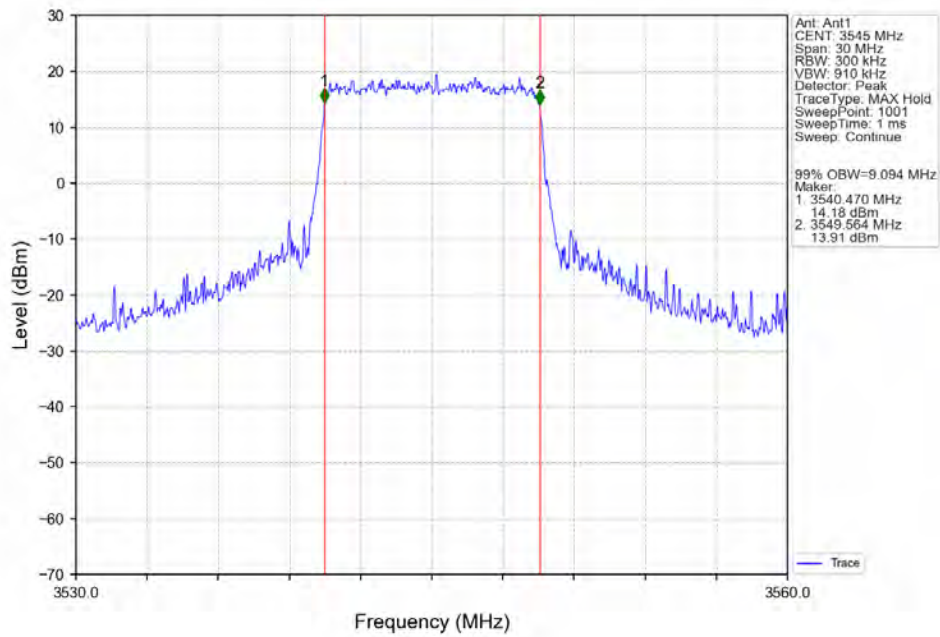
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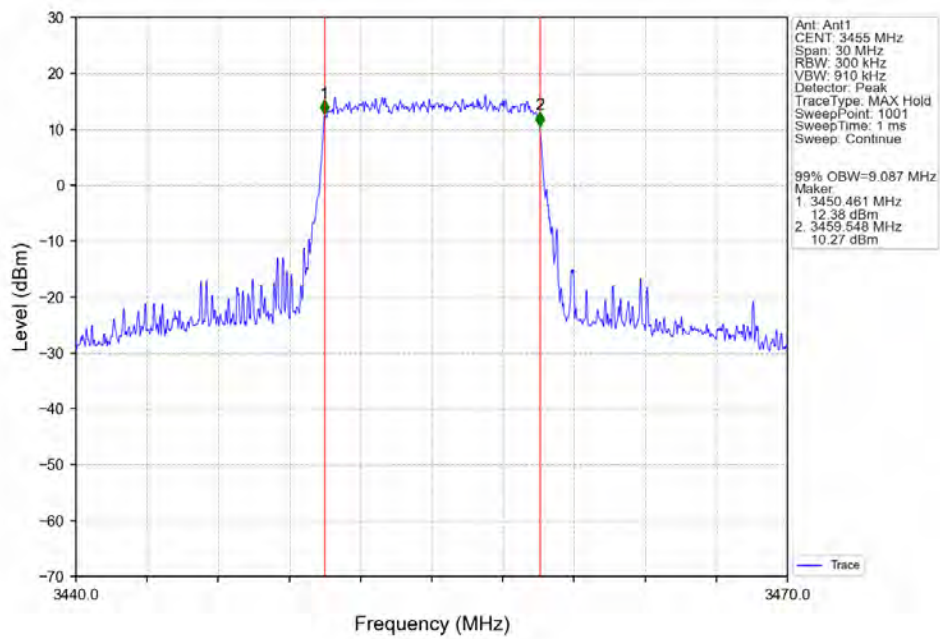
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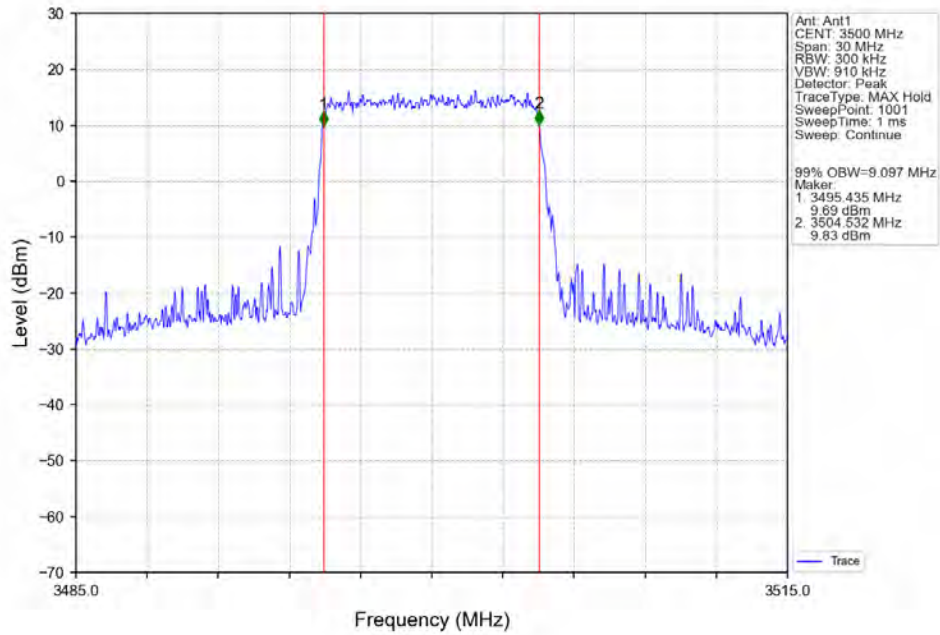
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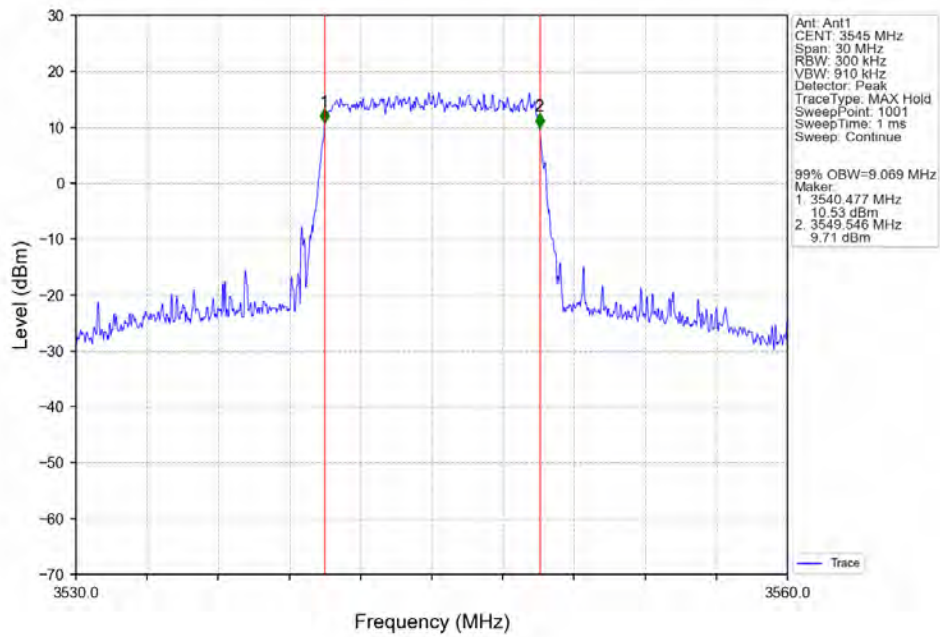
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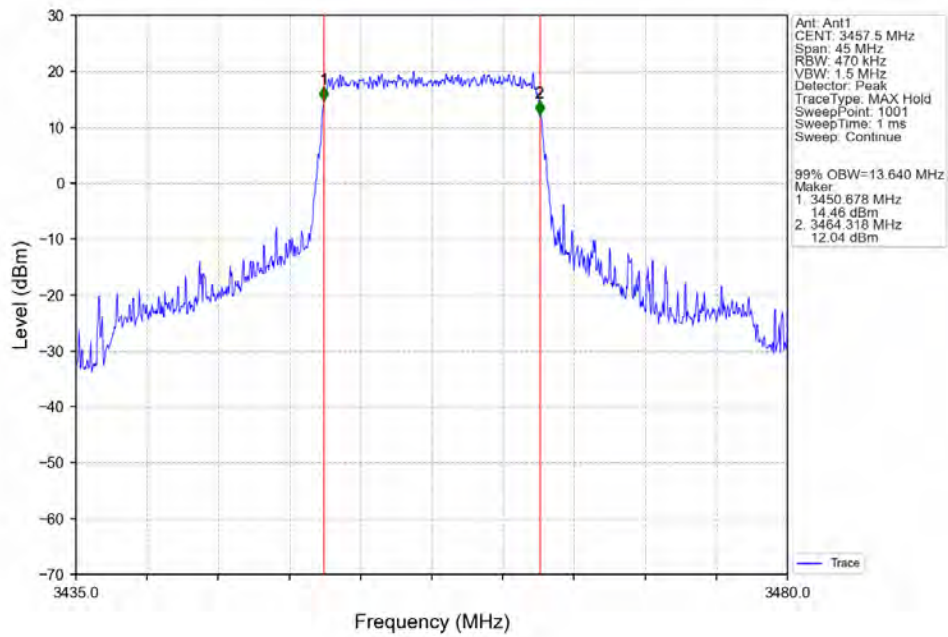
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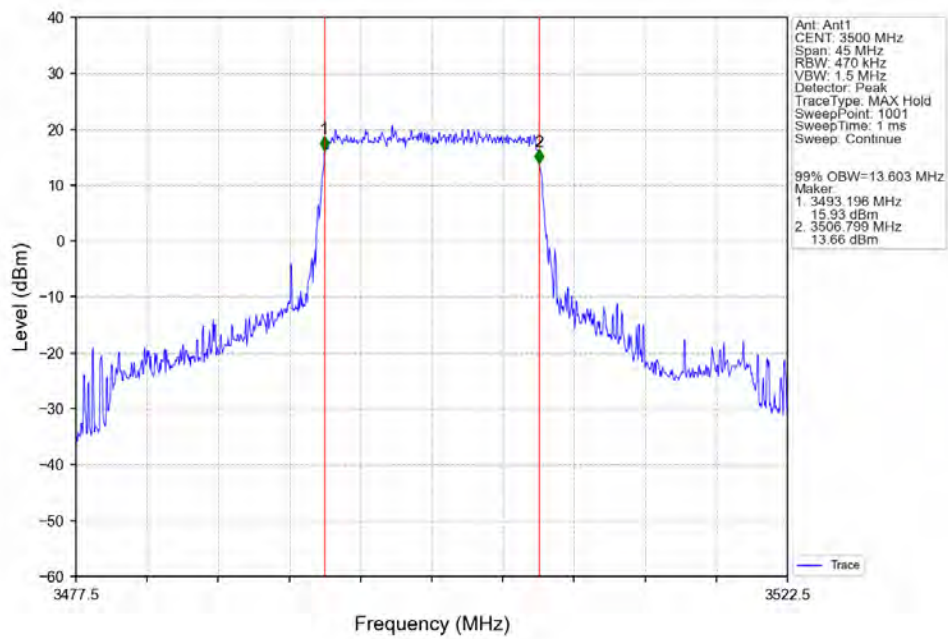
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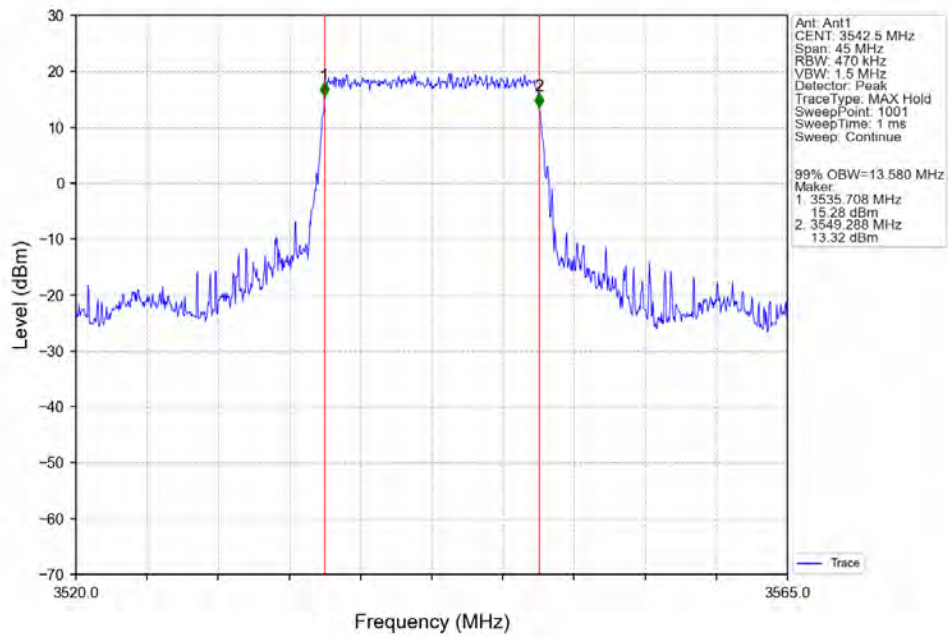
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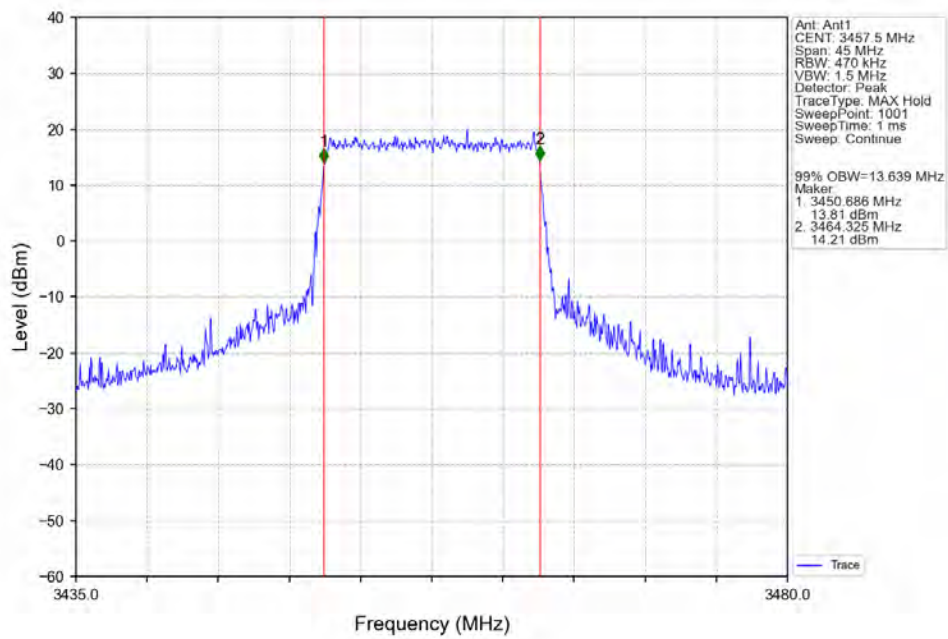
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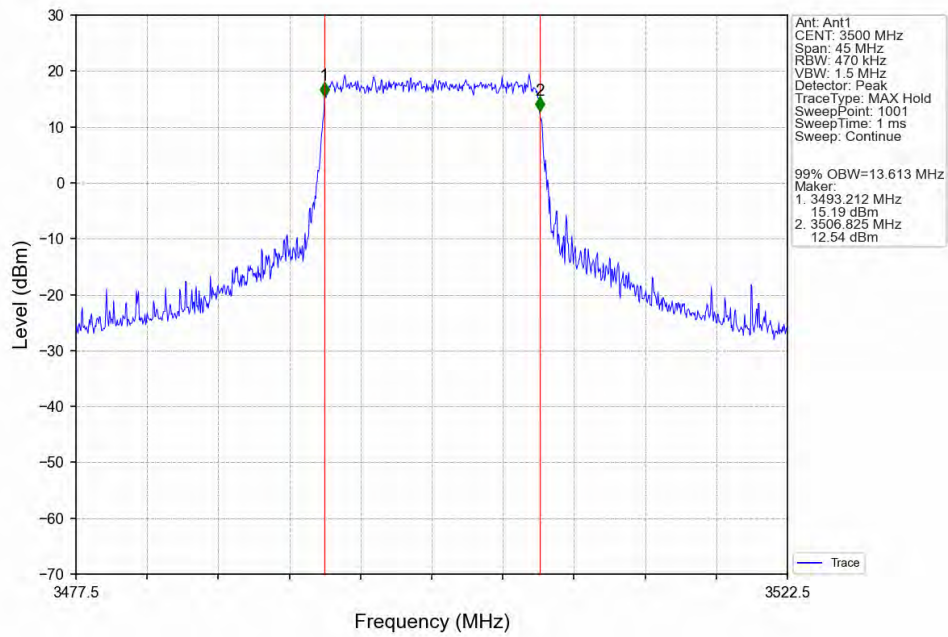
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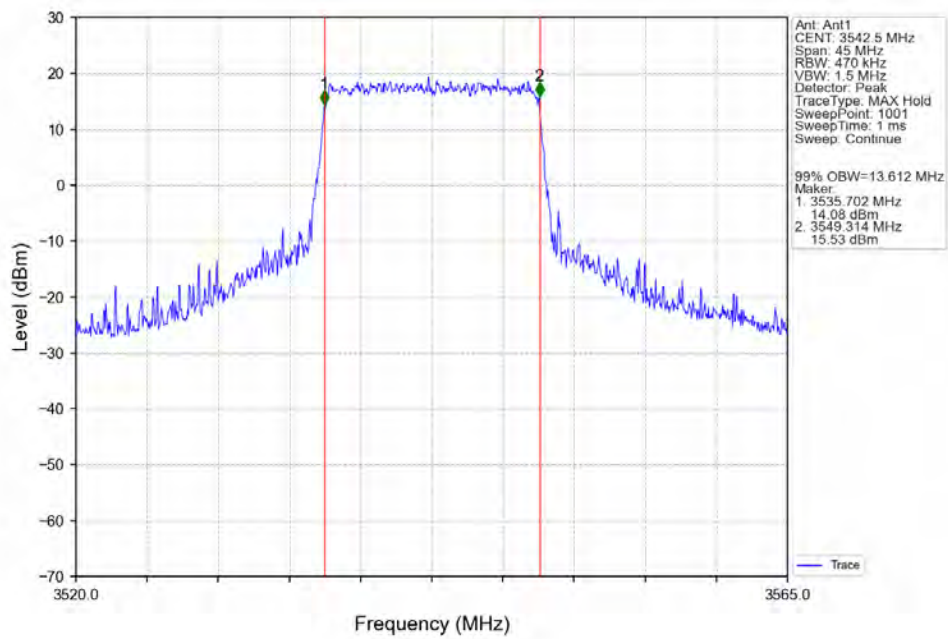
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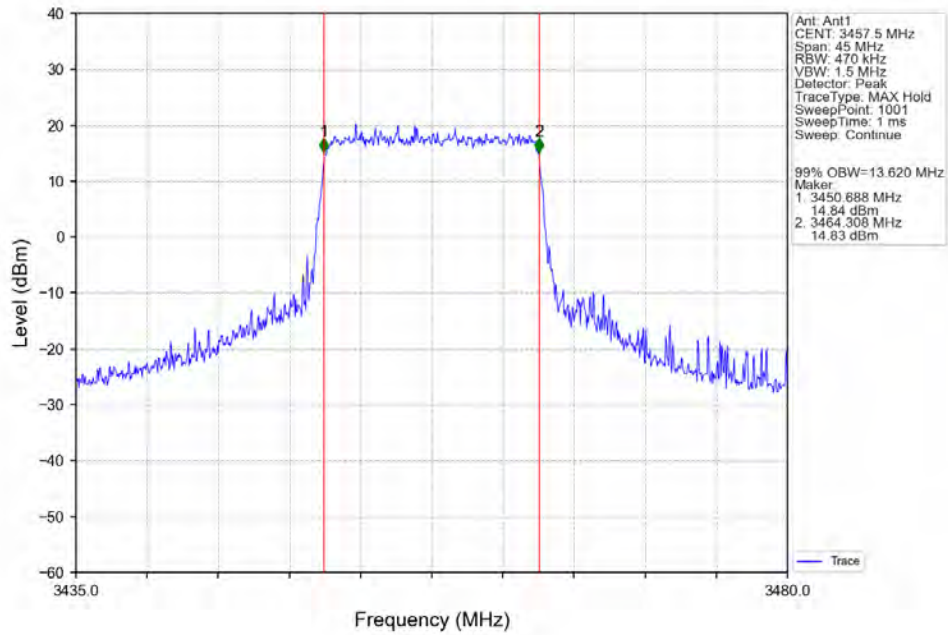
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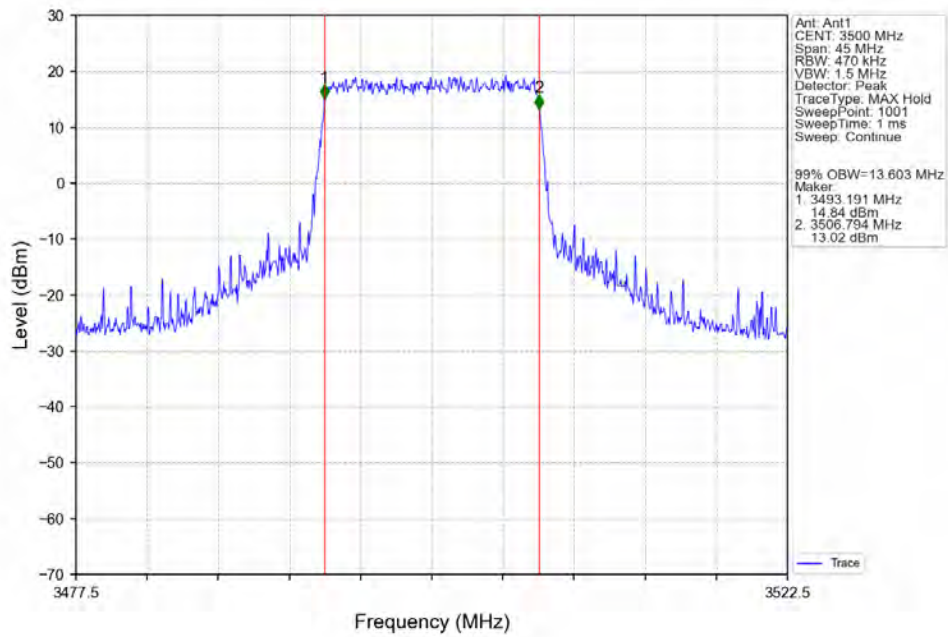
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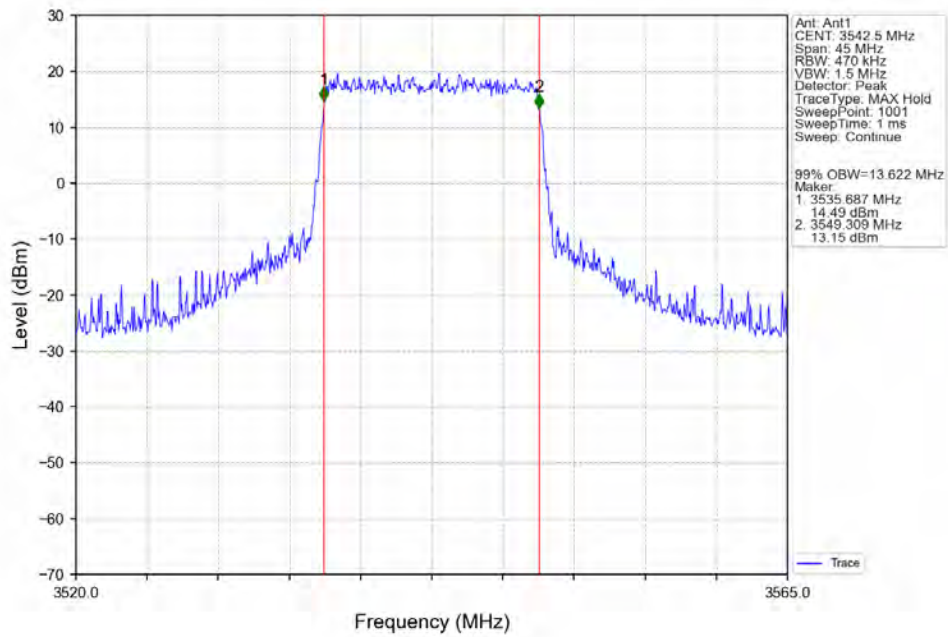
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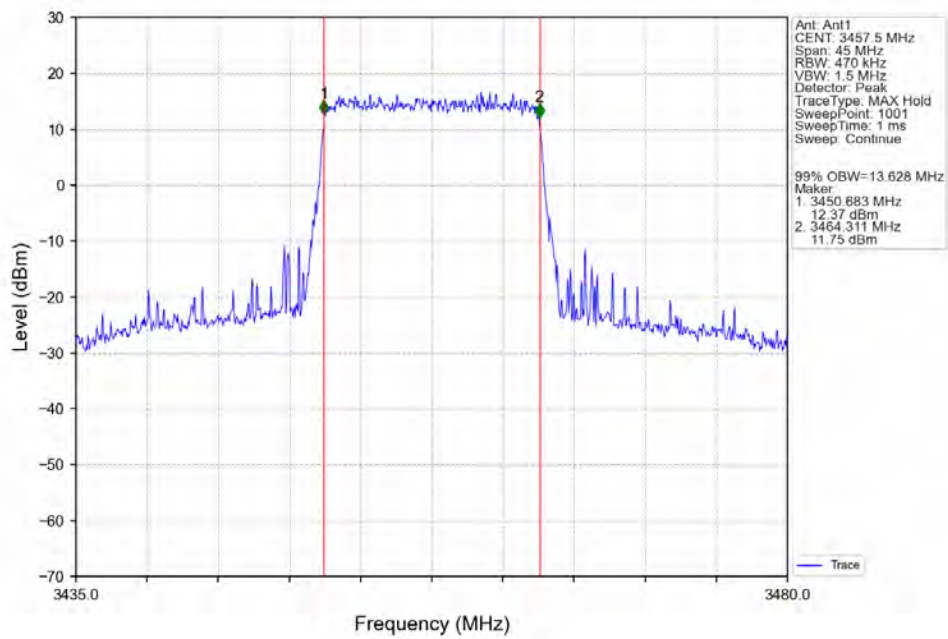
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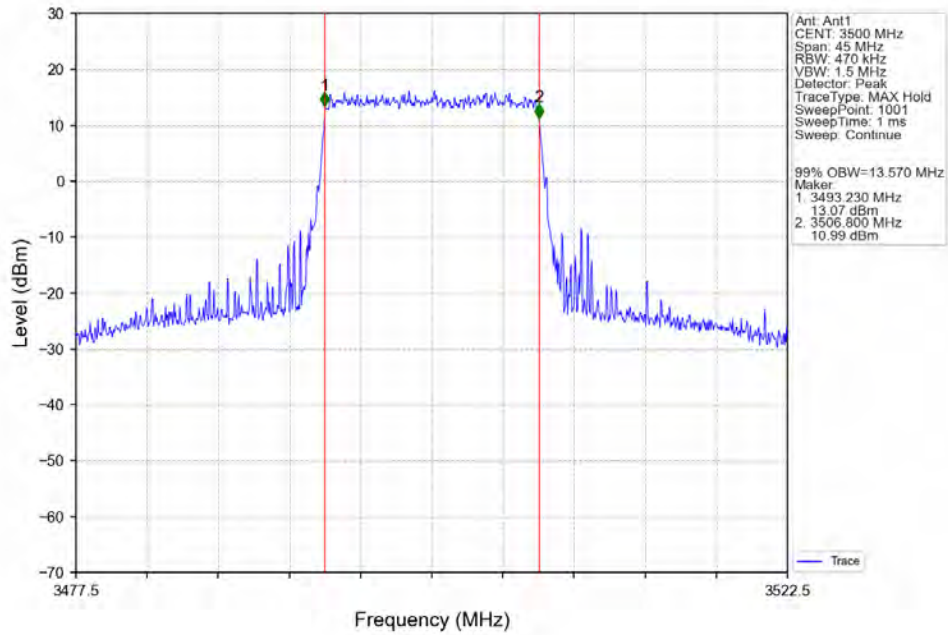
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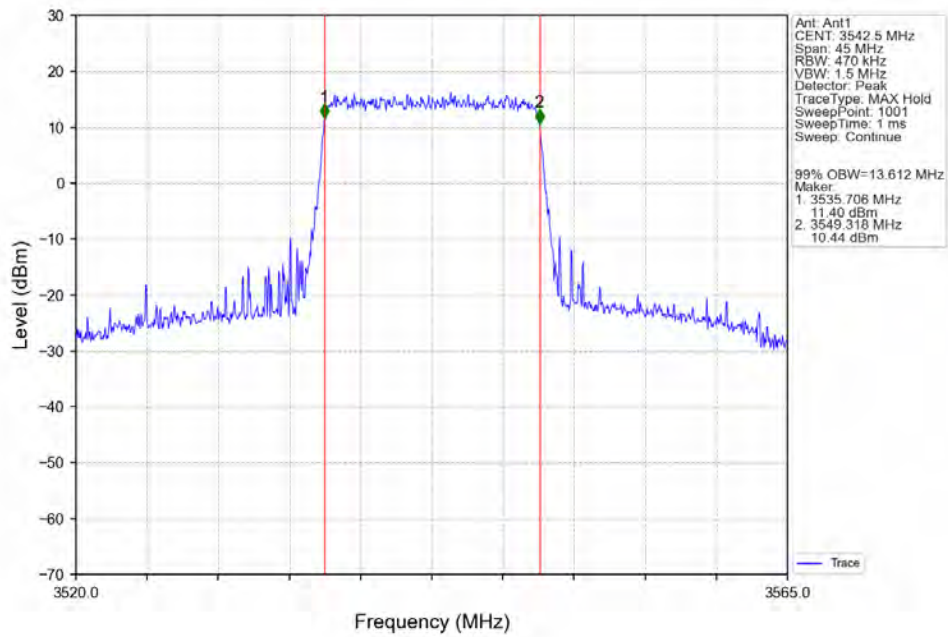
Band42a 15MHz 256QAM LCH 3457.5MHz RB 75 0 NTNV



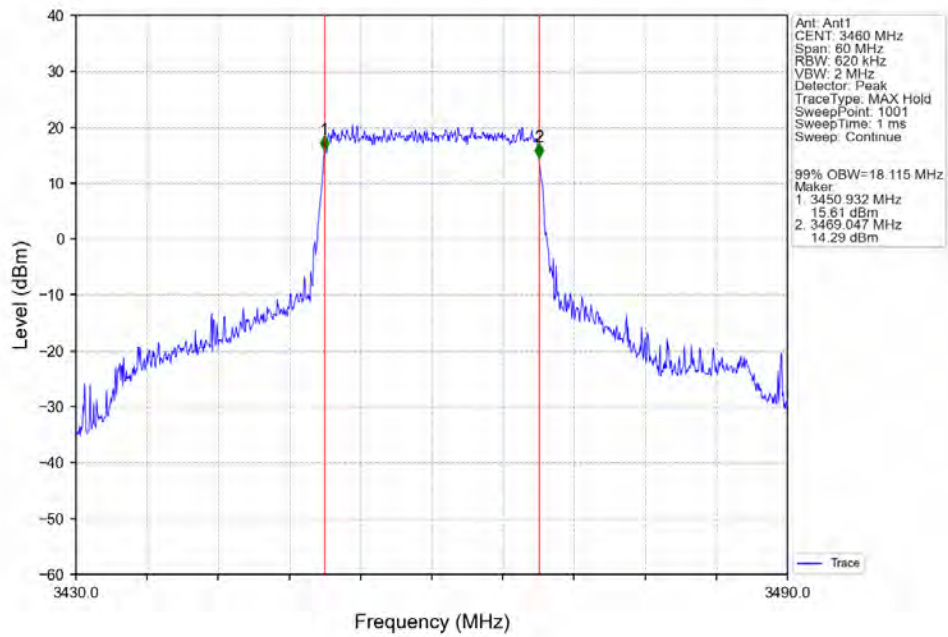
Band42a 15MHz 256QAM MCH 3500MHz RB 75 0 NTNV



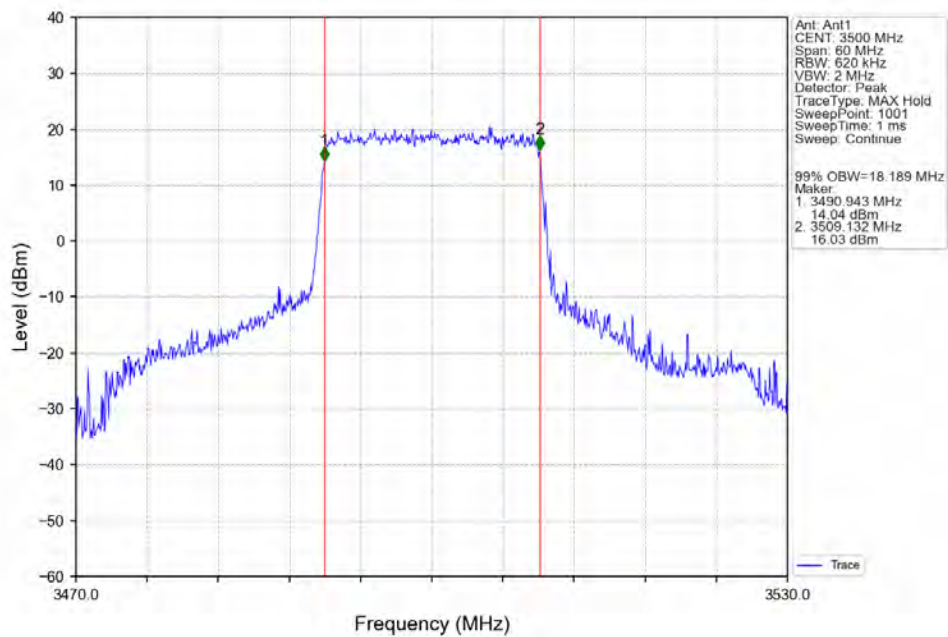
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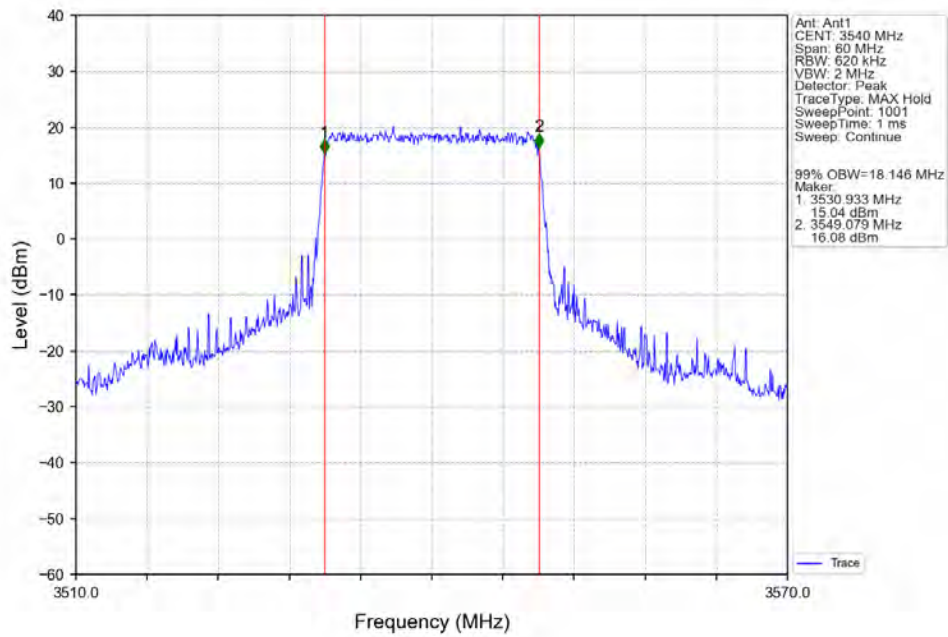
Band42a 20MHz QPSK LCH 3460MHz RB 100 0 NTNV



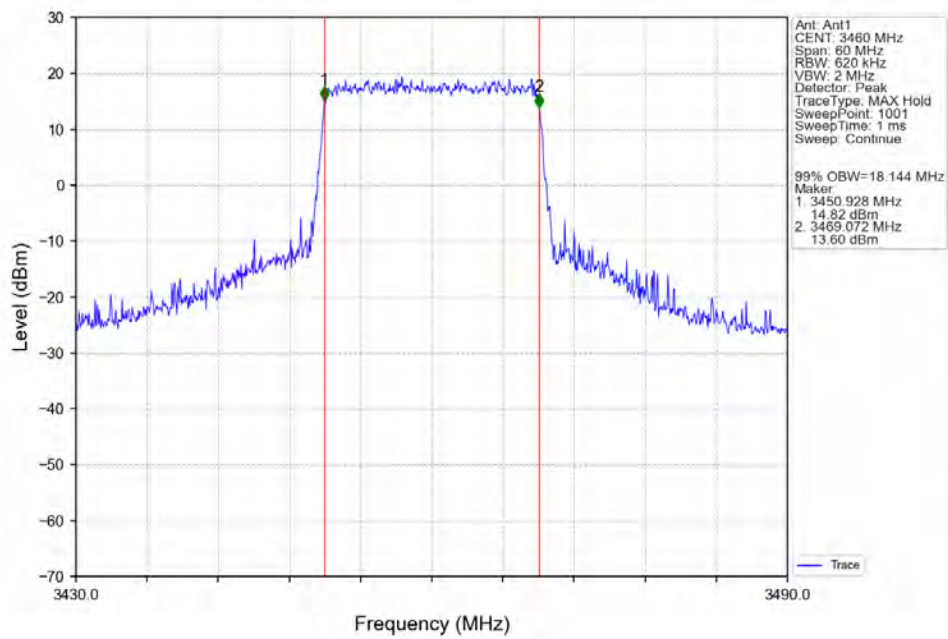
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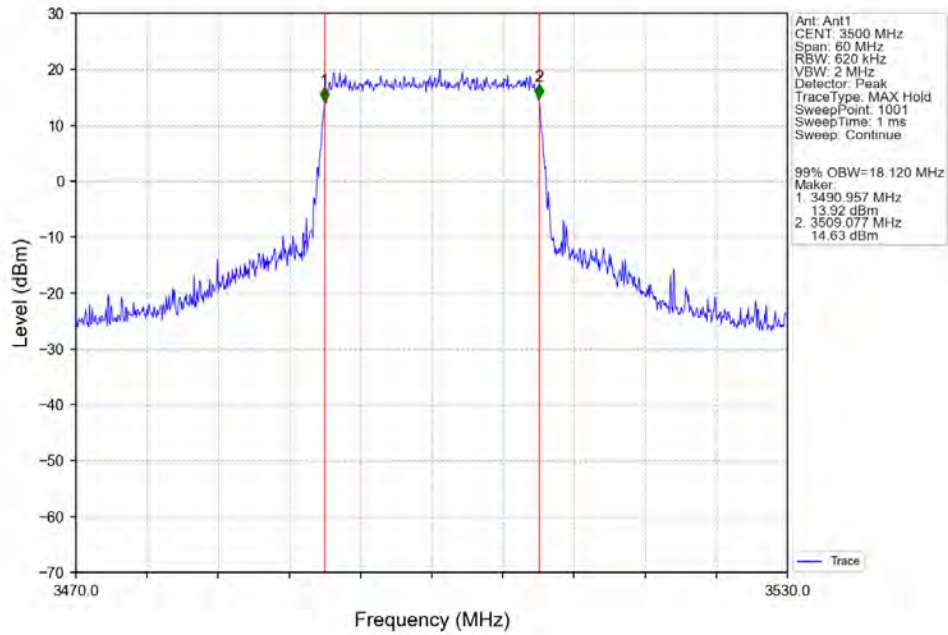
Band42a 20MHz QPSK HCH 3540MHz RB 100 0 NTNV



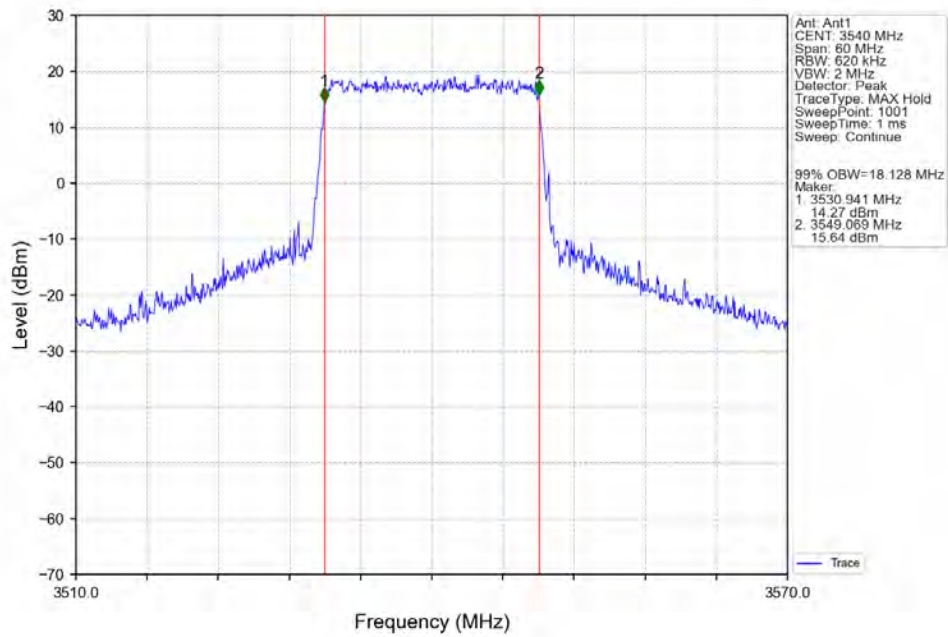
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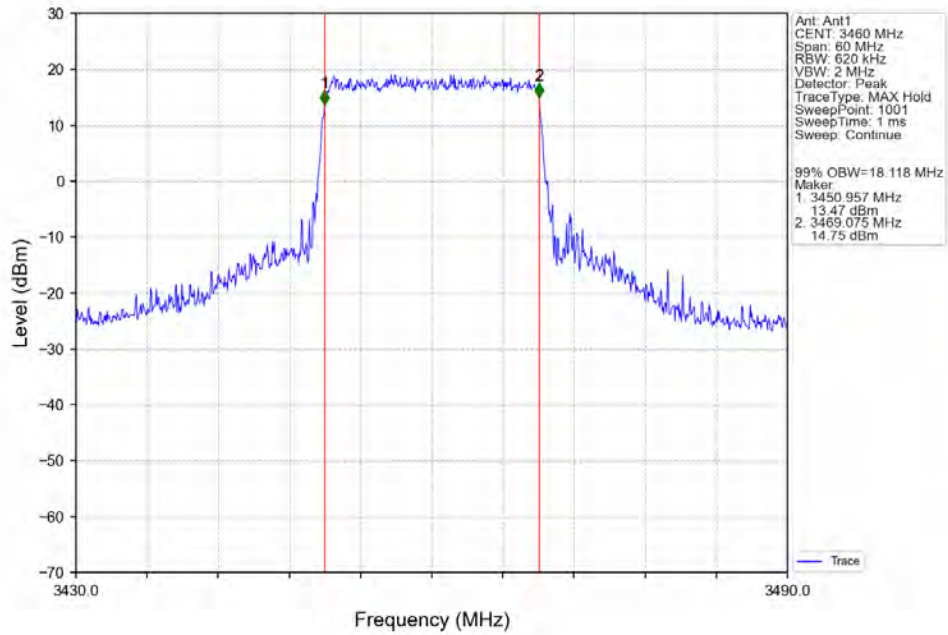
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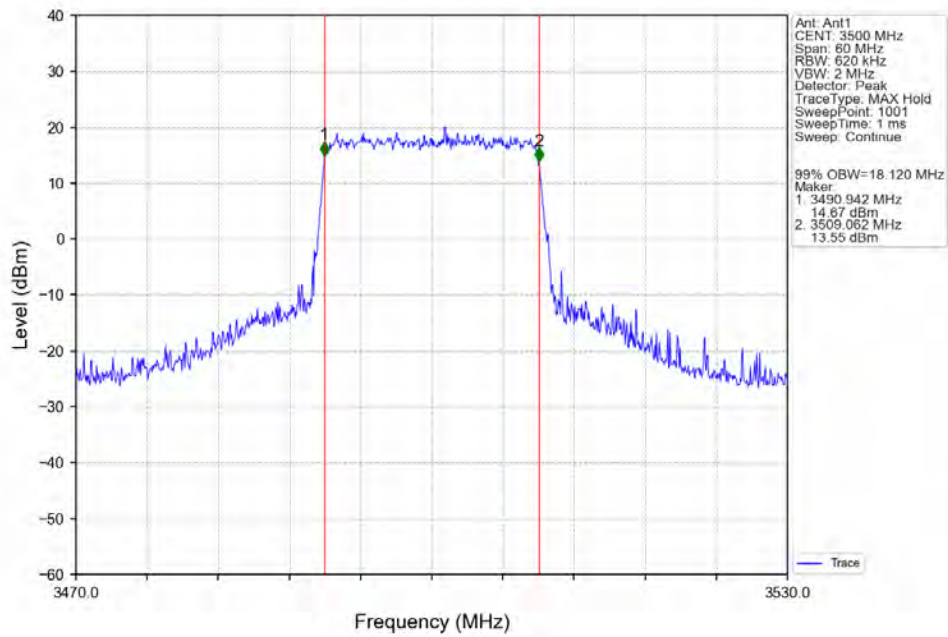
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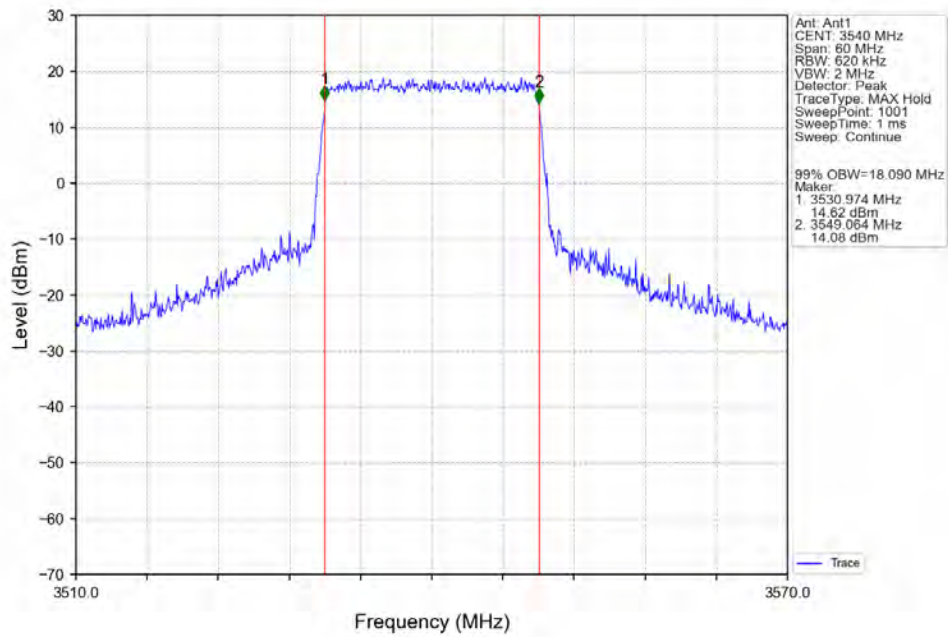
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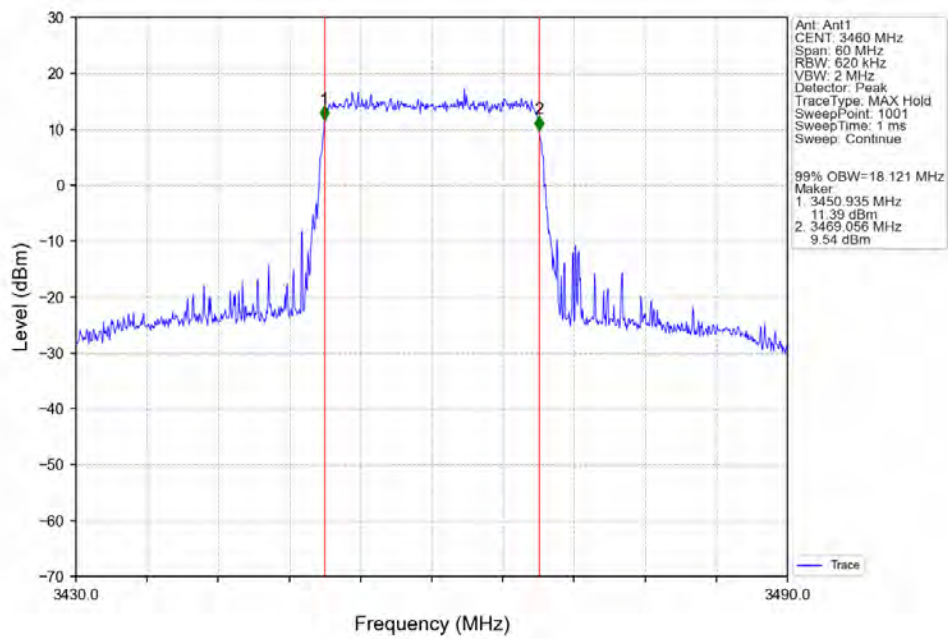
Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTNV



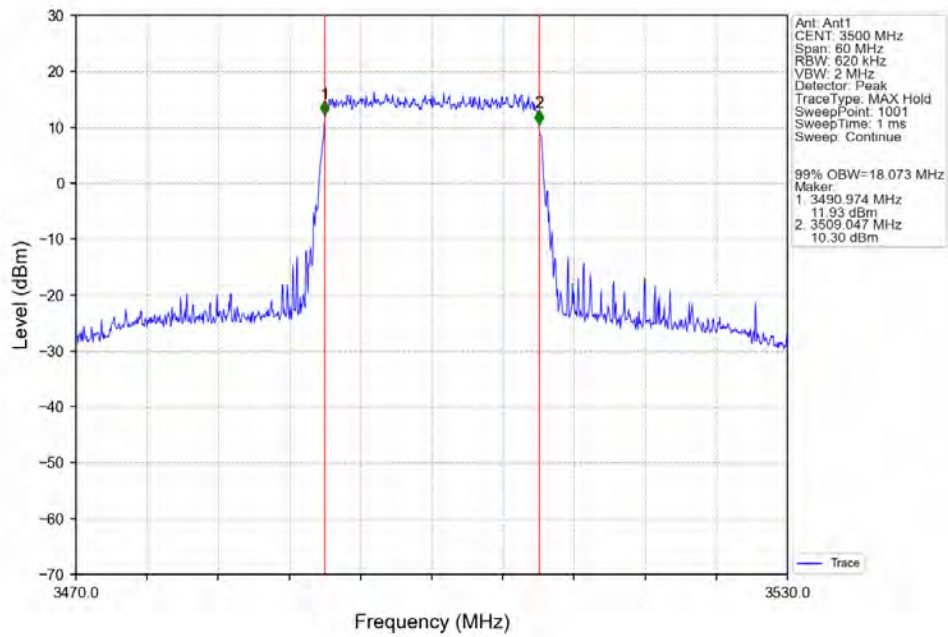
Band42a 20MHz 64QAM HCH 3540MHz RB 100 0 NTNV



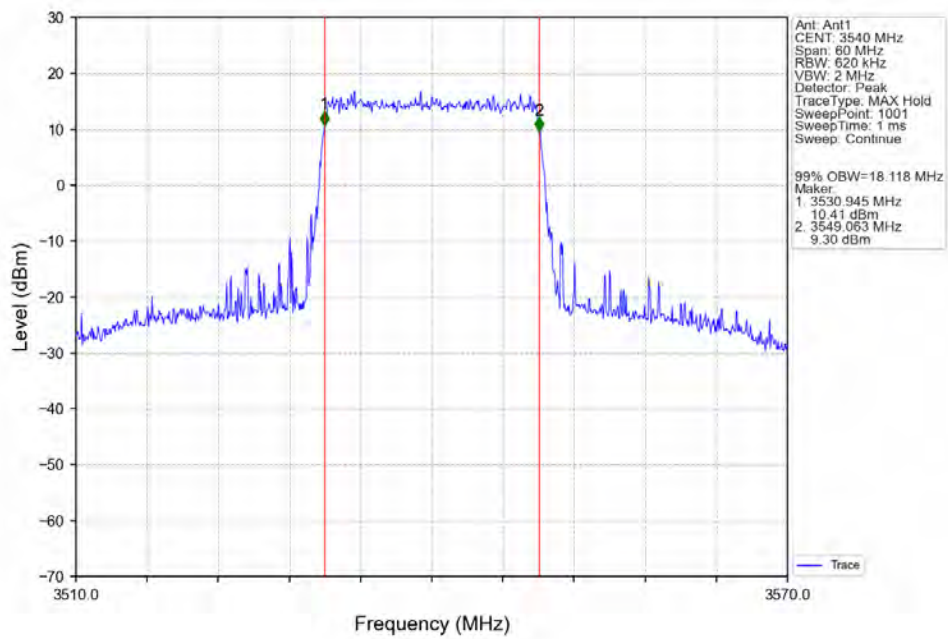
Band42a 20MHz 256QAM LCH 3460MHz RB 100 0 NTNV



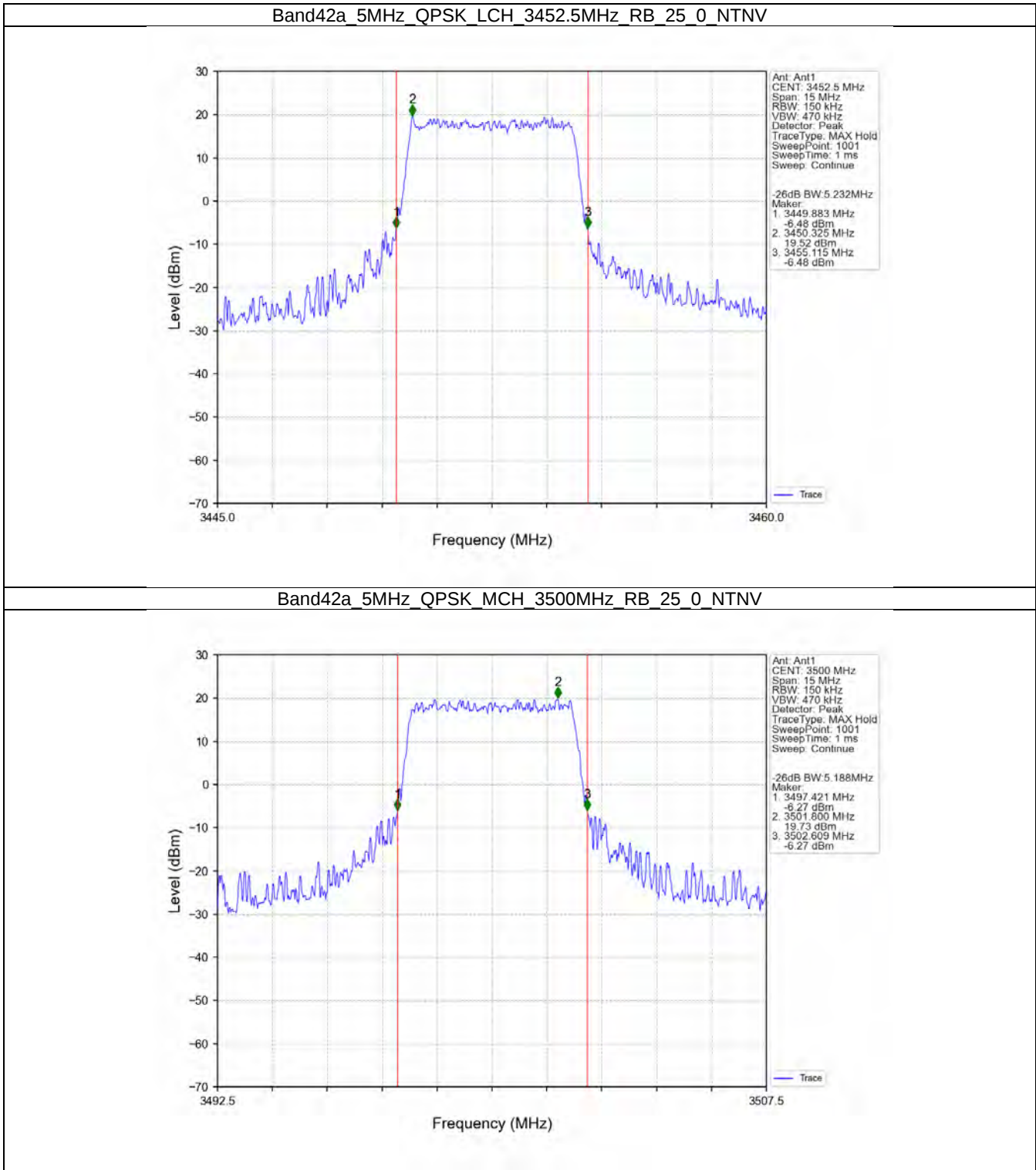
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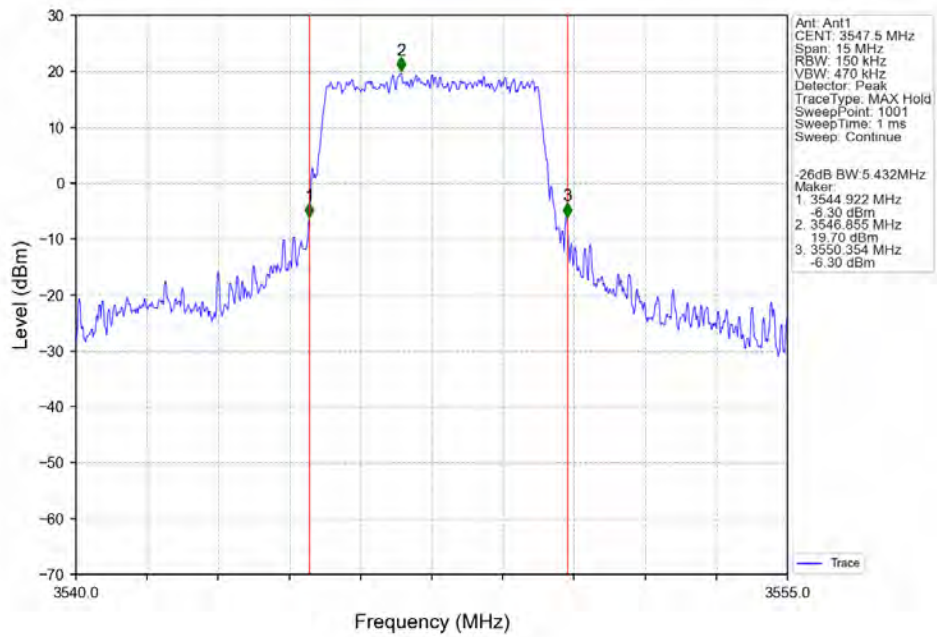
Band42a 20MHz 256QAM HCH 3540MHz RB 100 0 NTNV



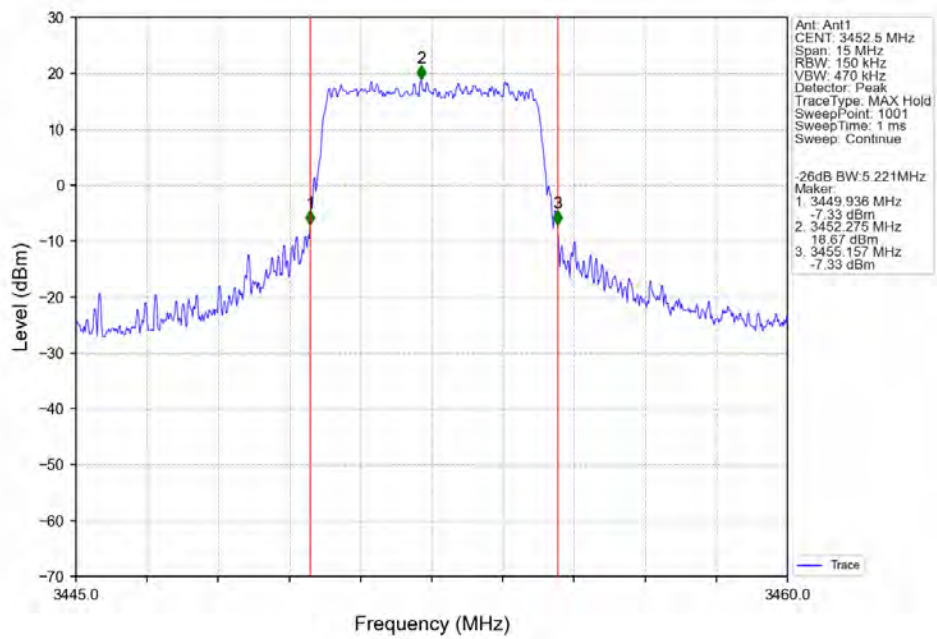
4.2.2 Band42a_XDB



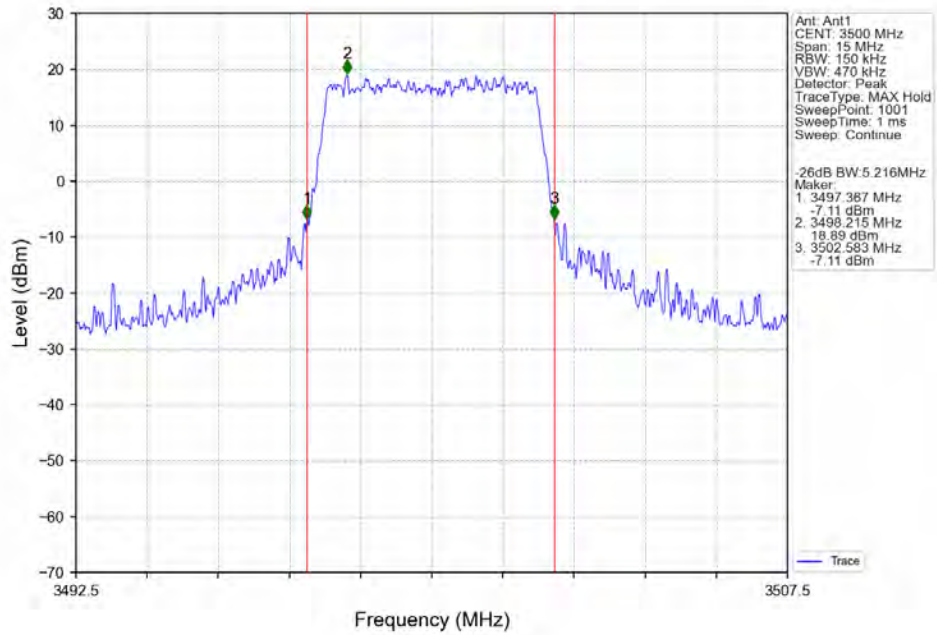
Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTNV



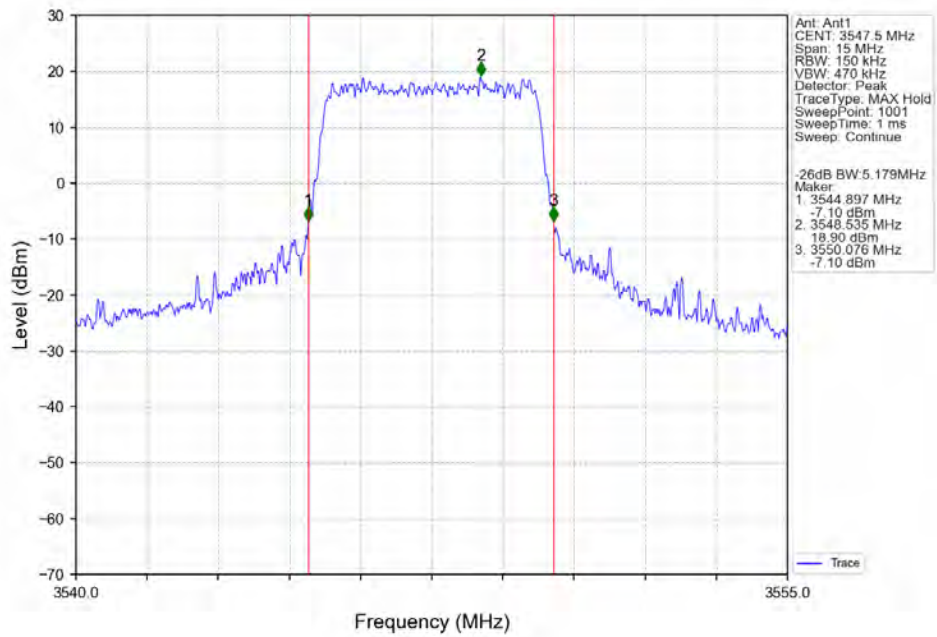
Band42a 5MHz 16QAM LCH 3452.5MHz RB 25 0 NTNV



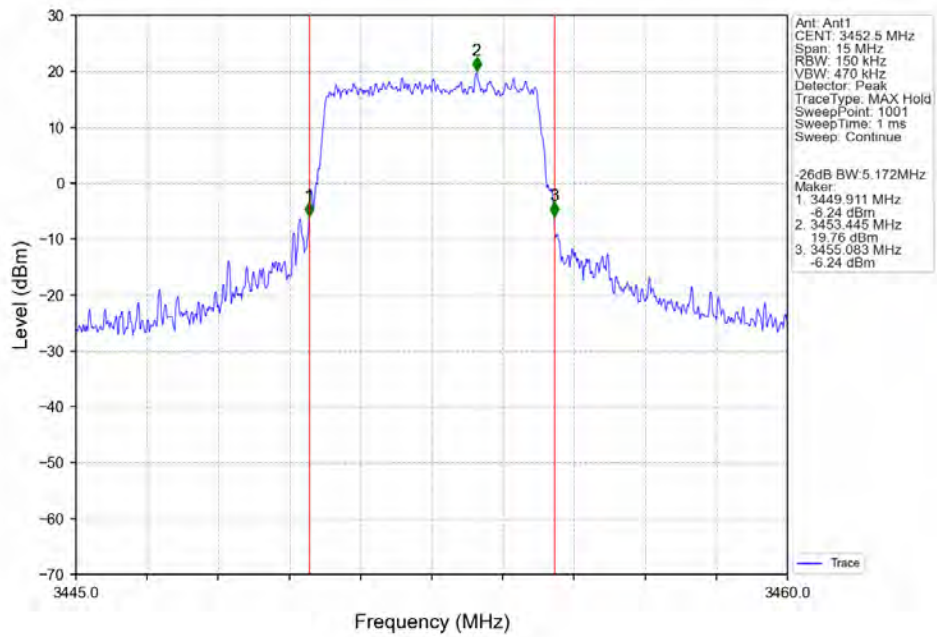
Band42a 5MHz 16QAM MCH 3500MHz RB 25 0 NTNV



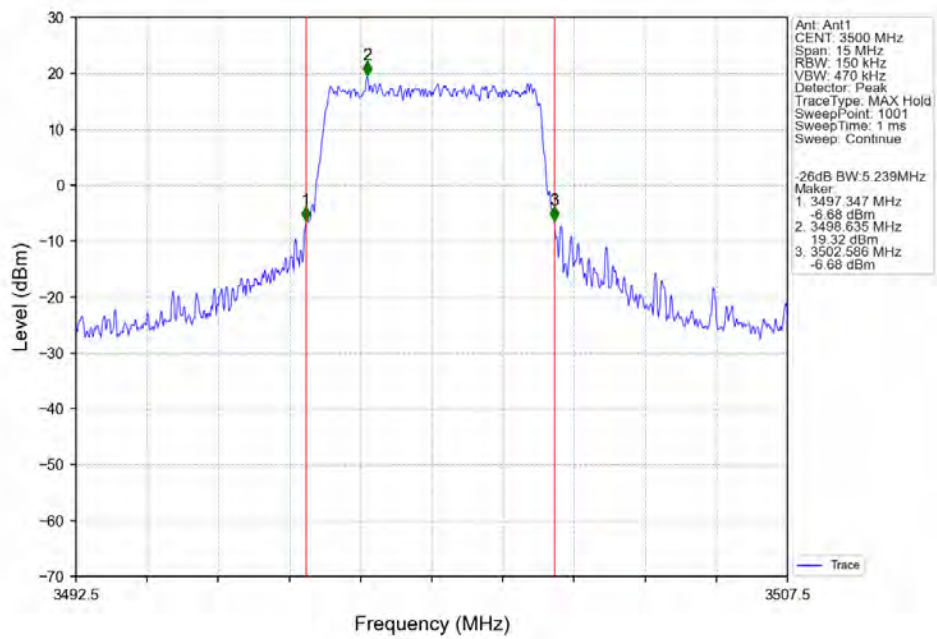
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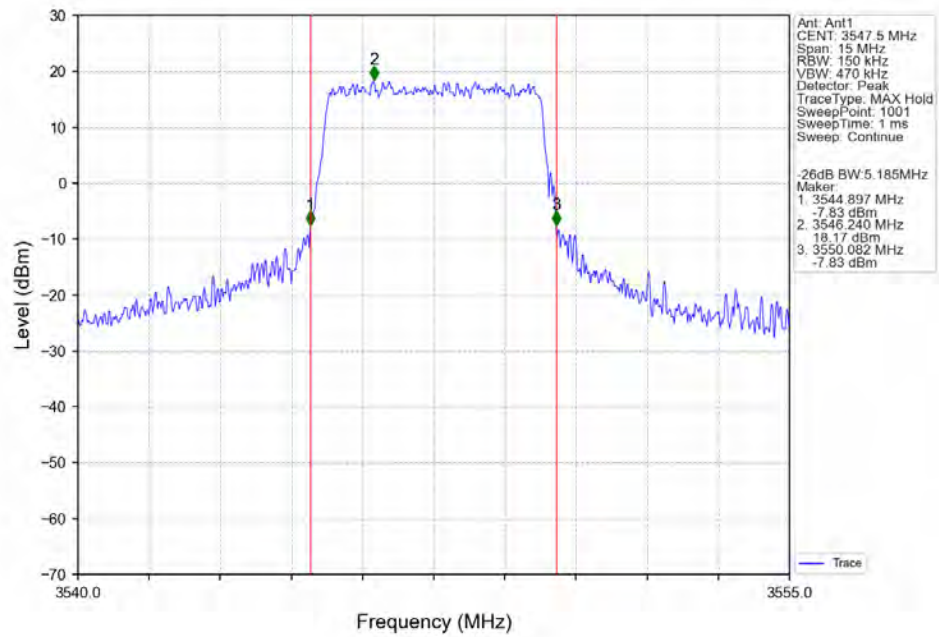
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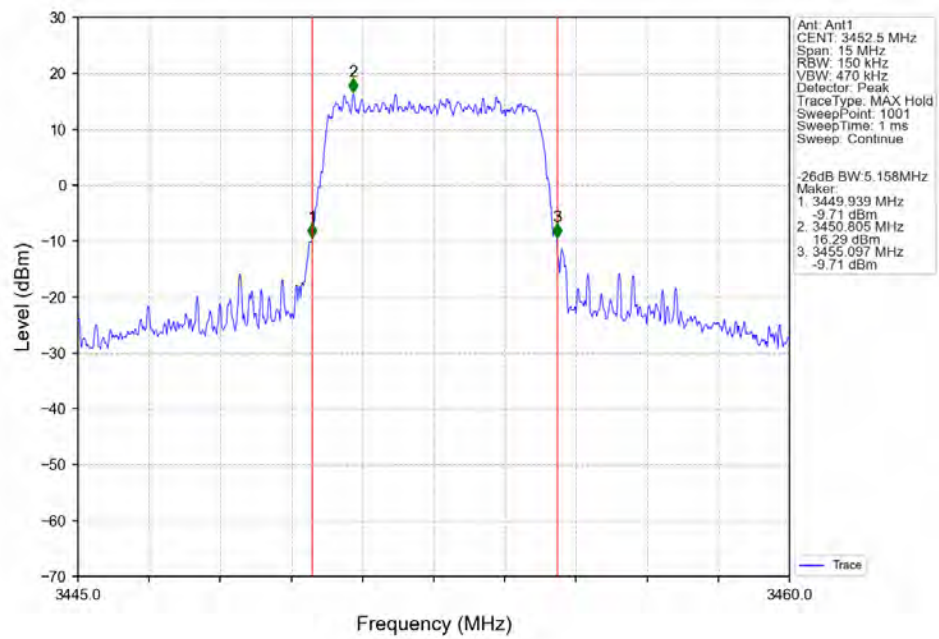
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTV



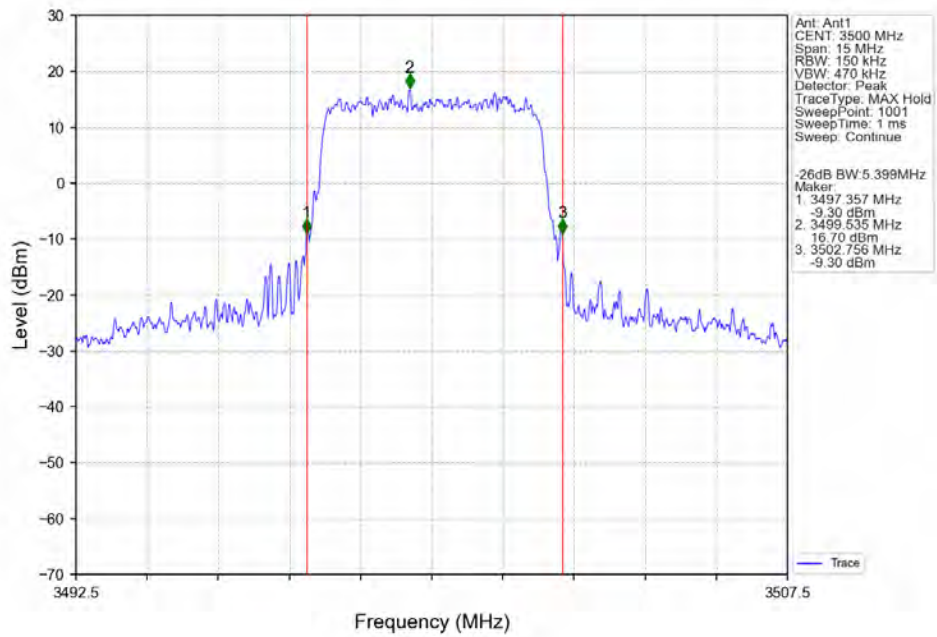
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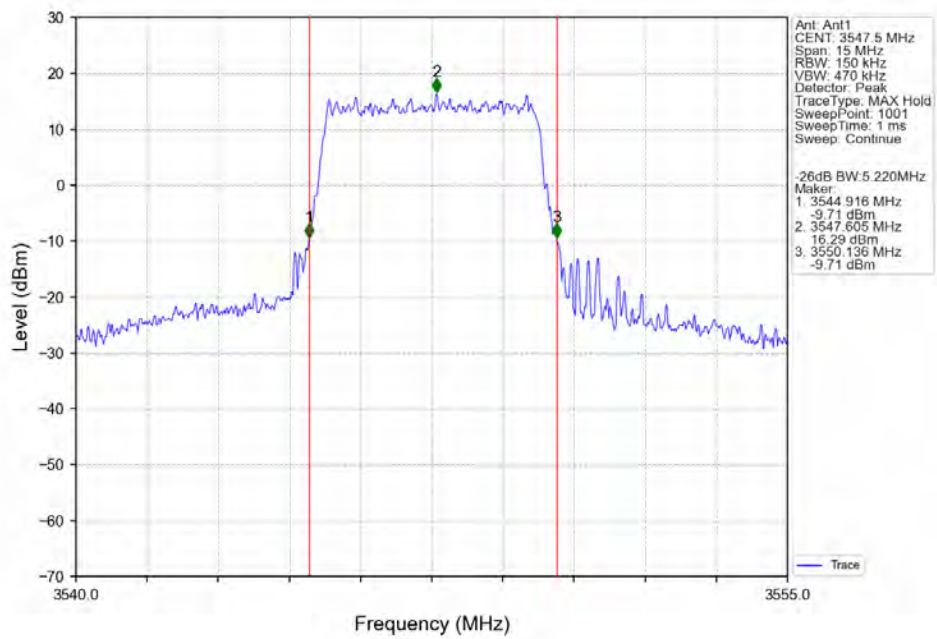
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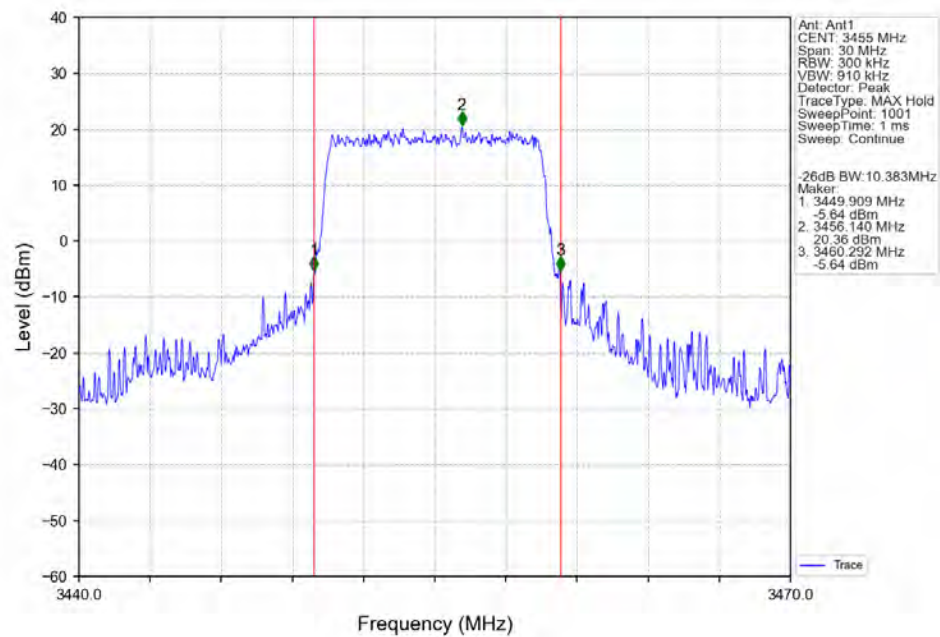
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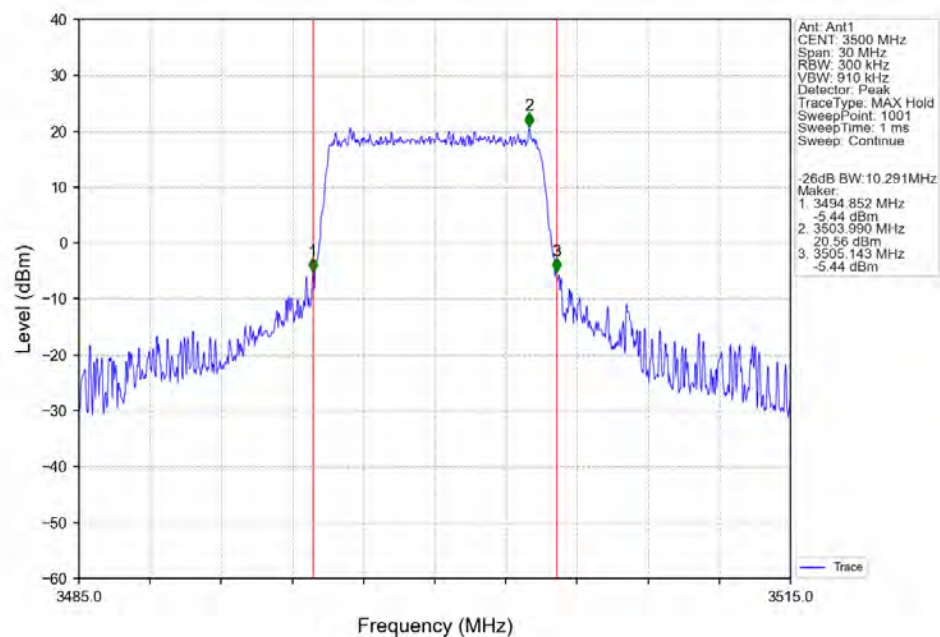
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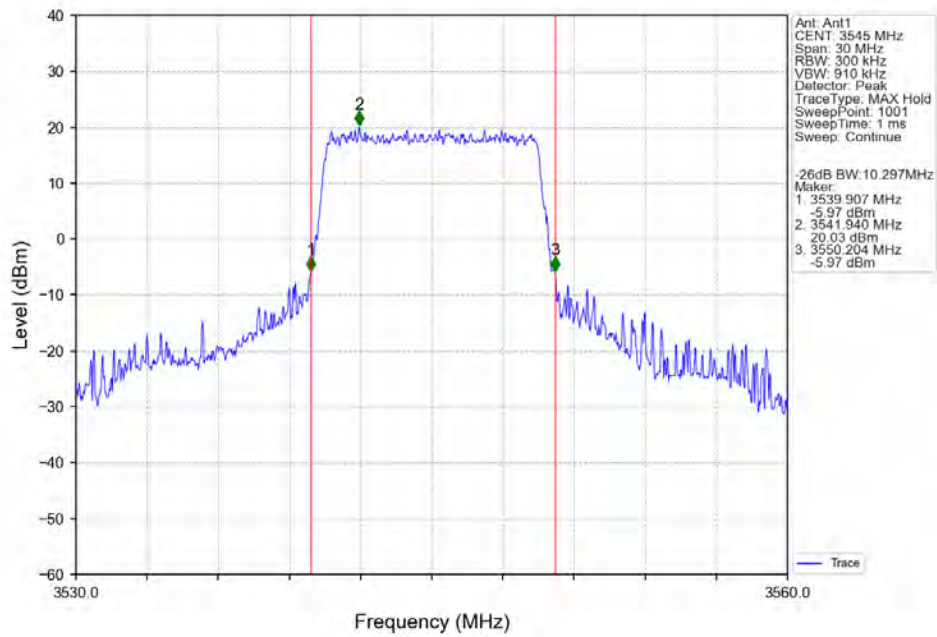
Band42a 10MHz QPSK LCH 3455MHz RB 50 0 NTV



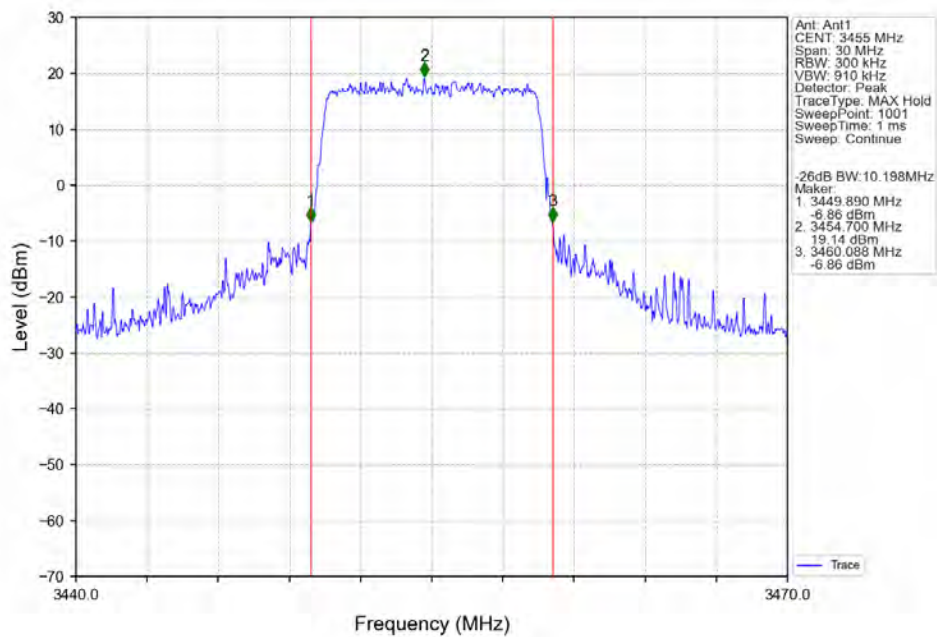
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTV



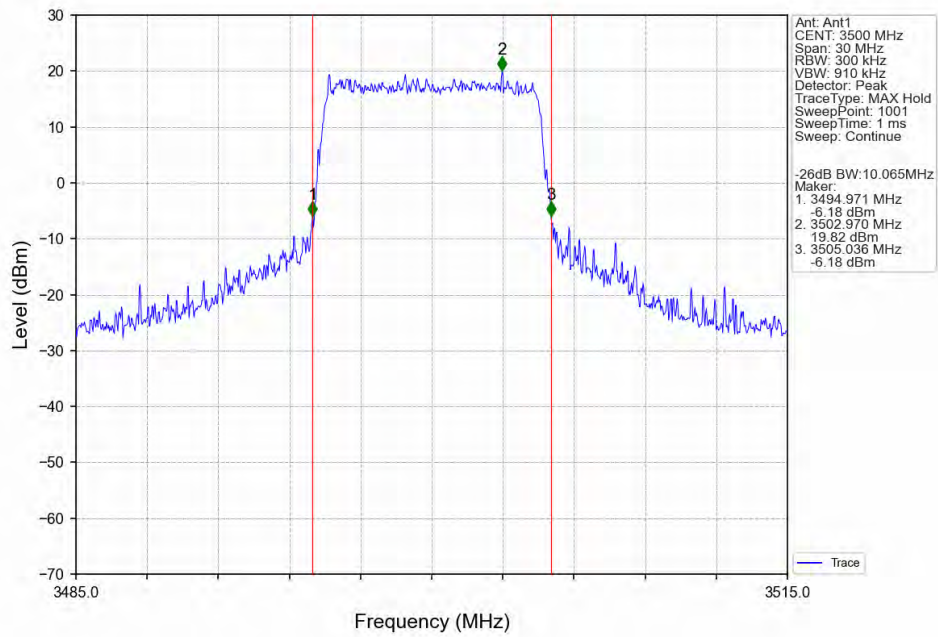
Band42a 10MHz QPSK HCH 3545MHz RB 50 0 NTNV



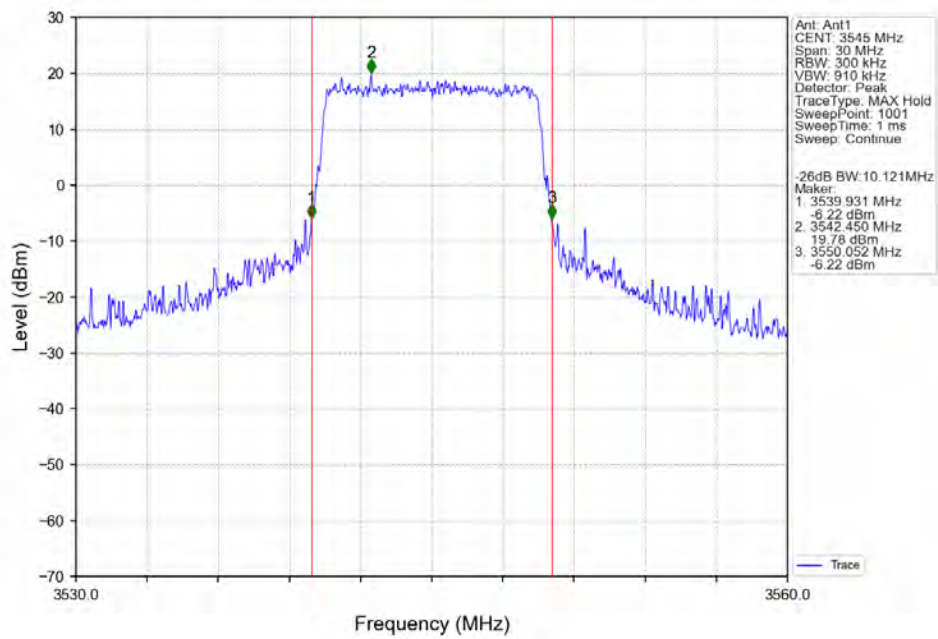
Band42a 10MHz 16QAM LCH 3455MHz RB 50 0 NTNV



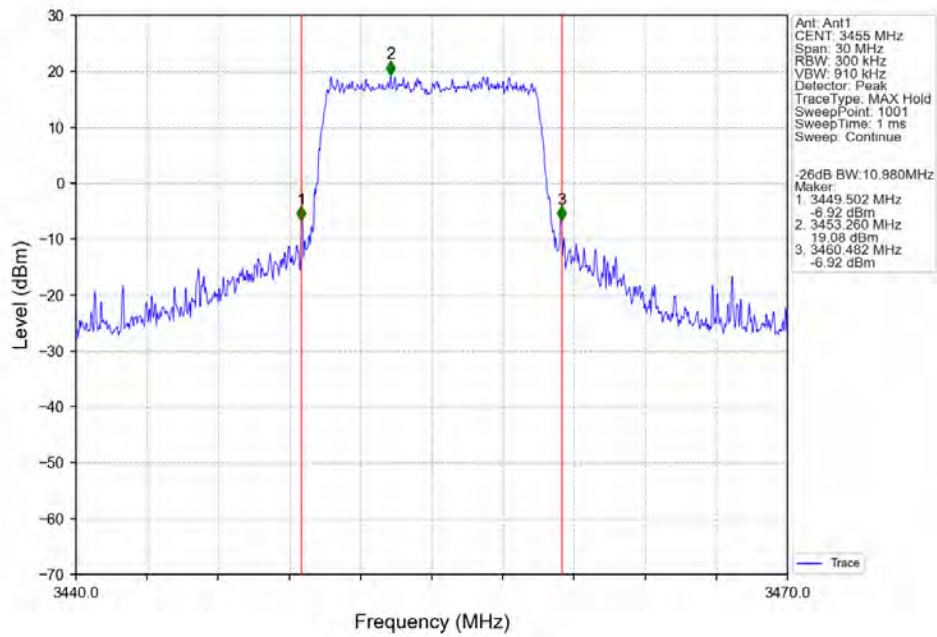
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTNV



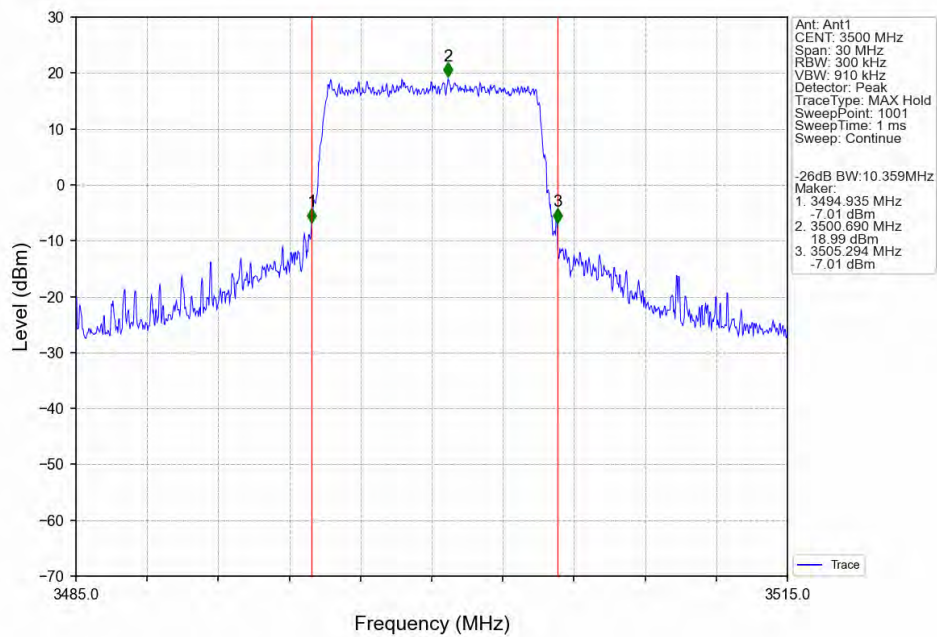
Band42a 10MHz 16QAM HCH 3545MHz RB 50 0 NTNV



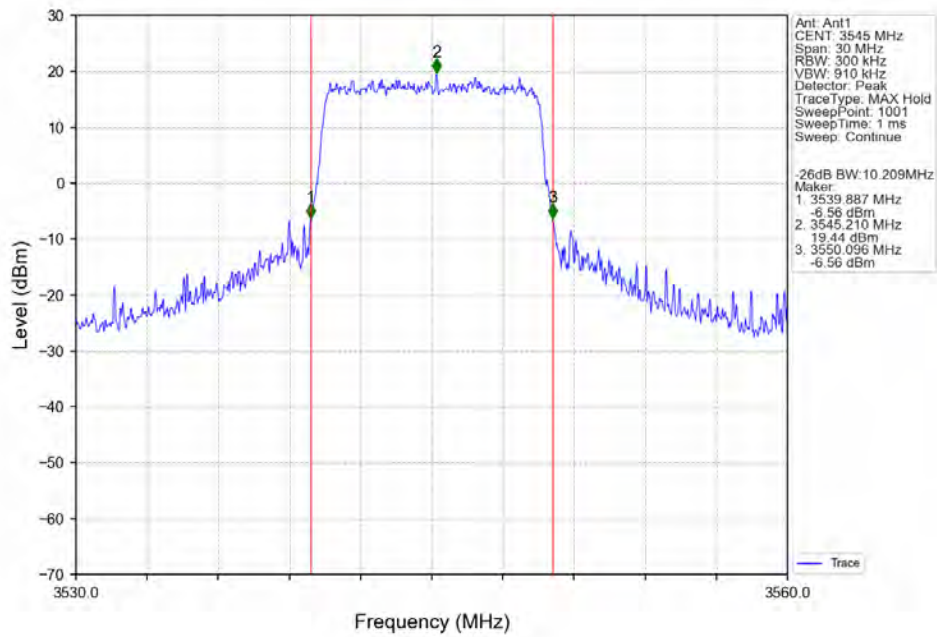
Band42a 10MHz 64QAM LCH 3455MHz RB 50 0 NTNV



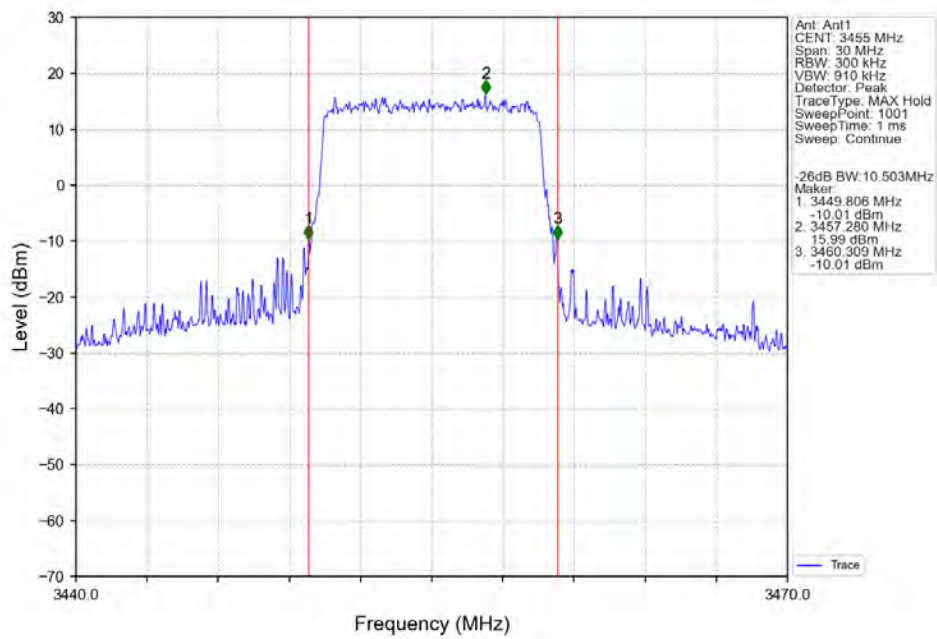
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTNV



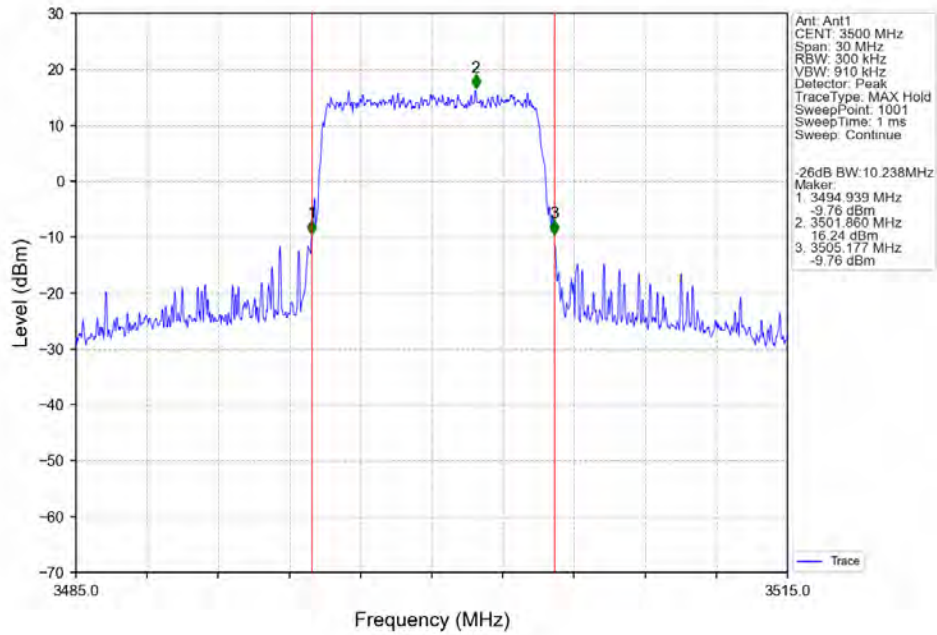
Band42a 10MHz 64QAM HCH 3545MHz RB 50 0 NTNV



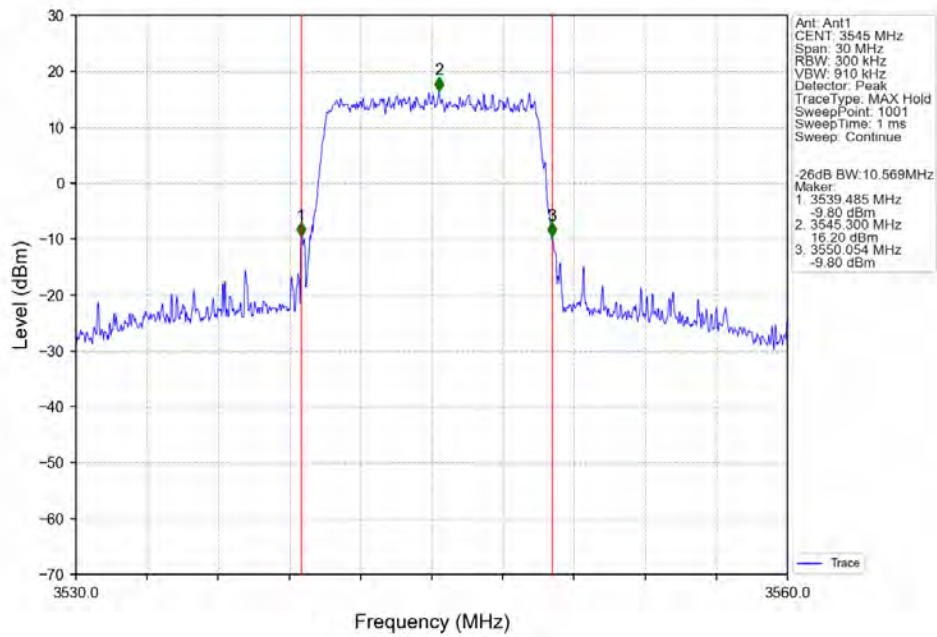
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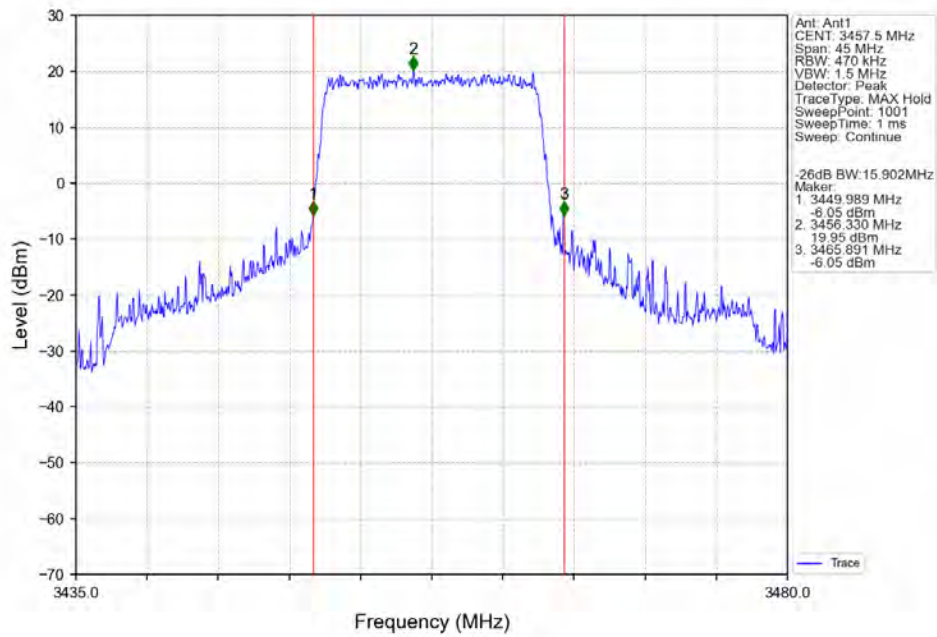
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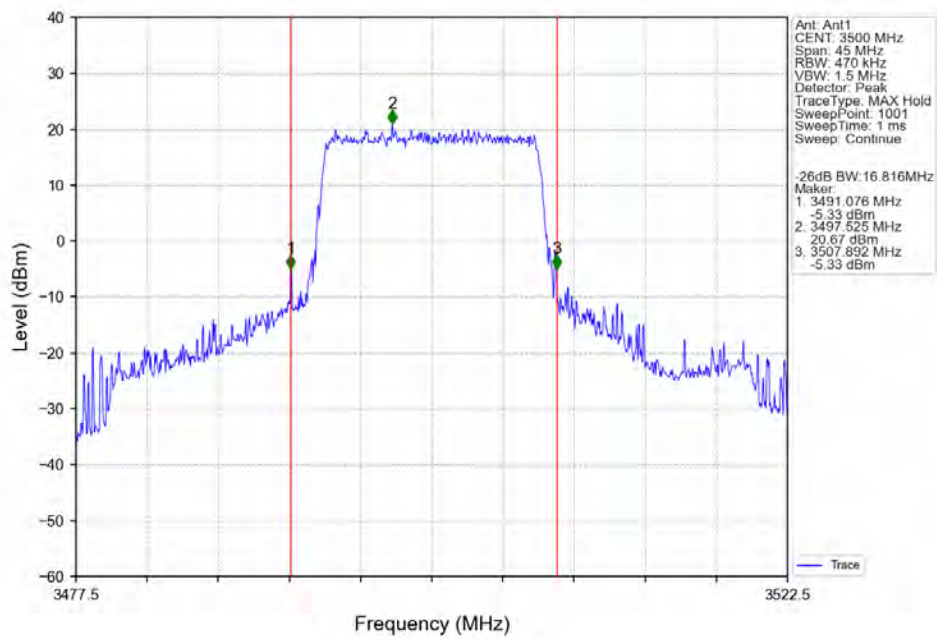
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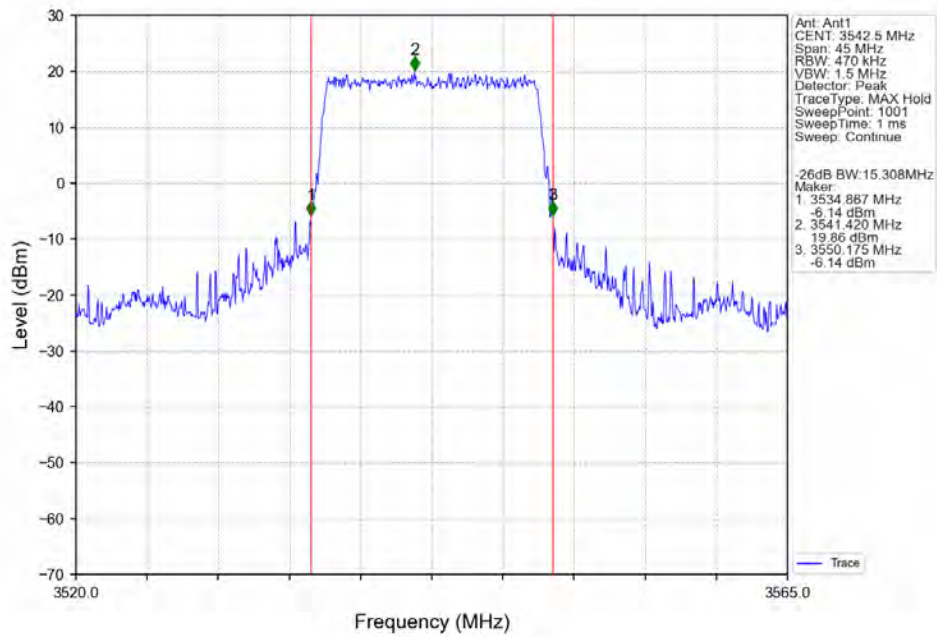
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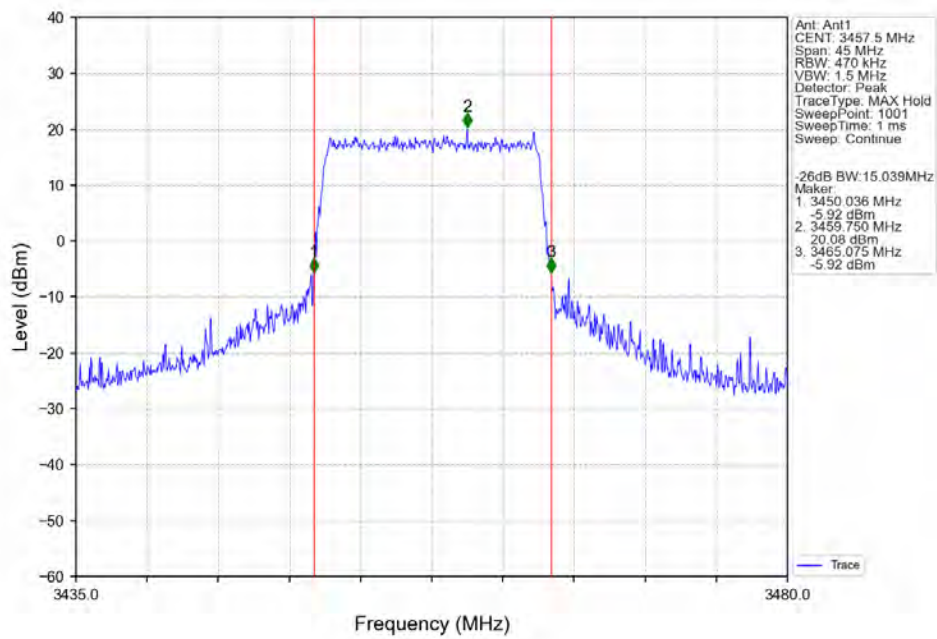
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTNV



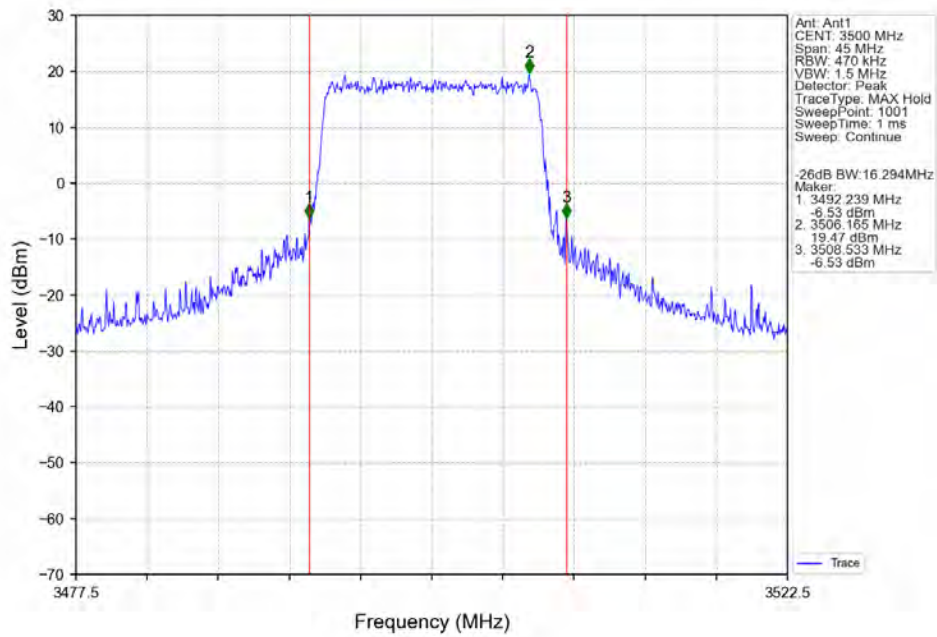
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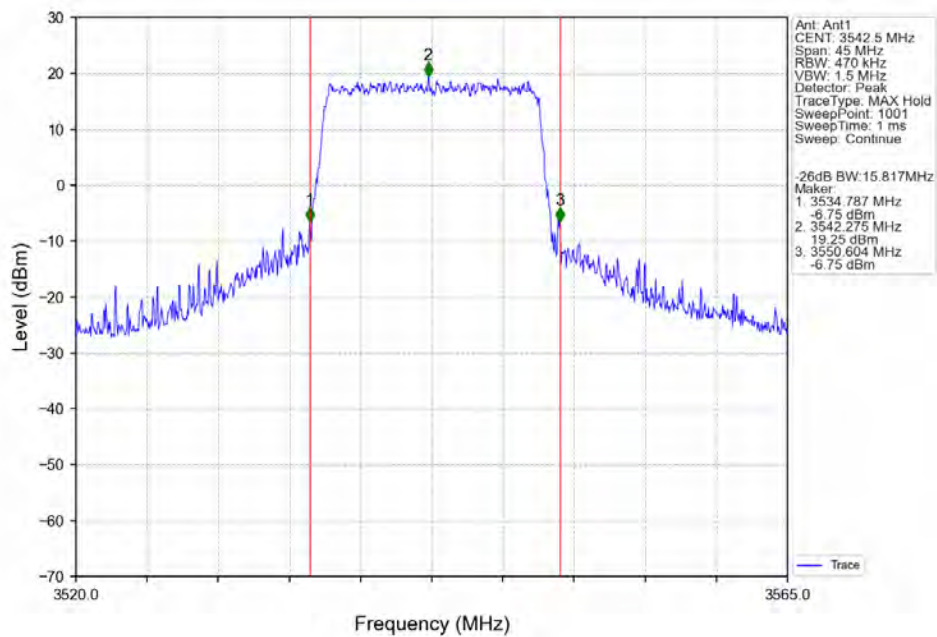
Band42a 15MHz 16QAM LCH 3457.5MHz RB 75 0 NTV



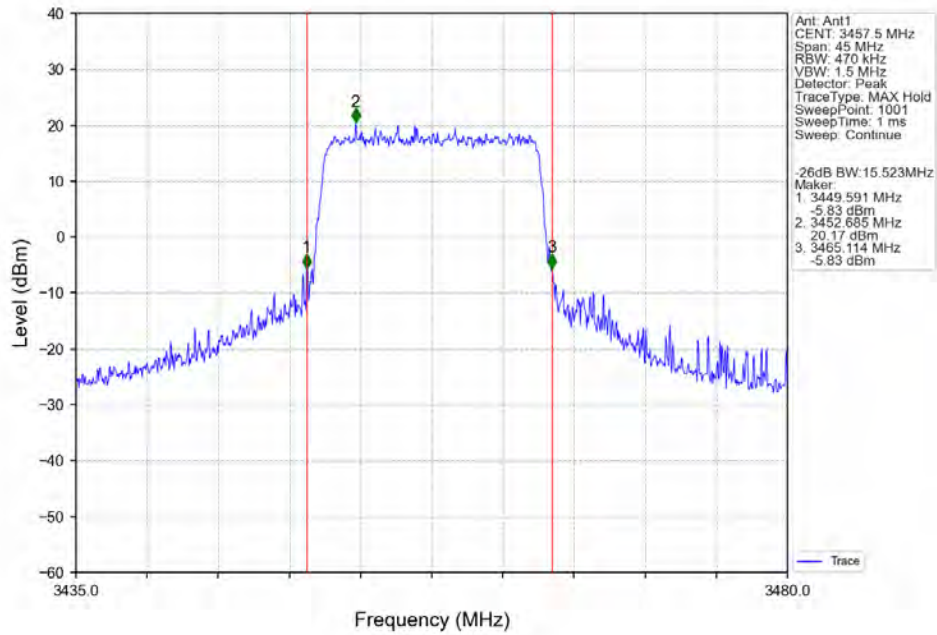
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTNV



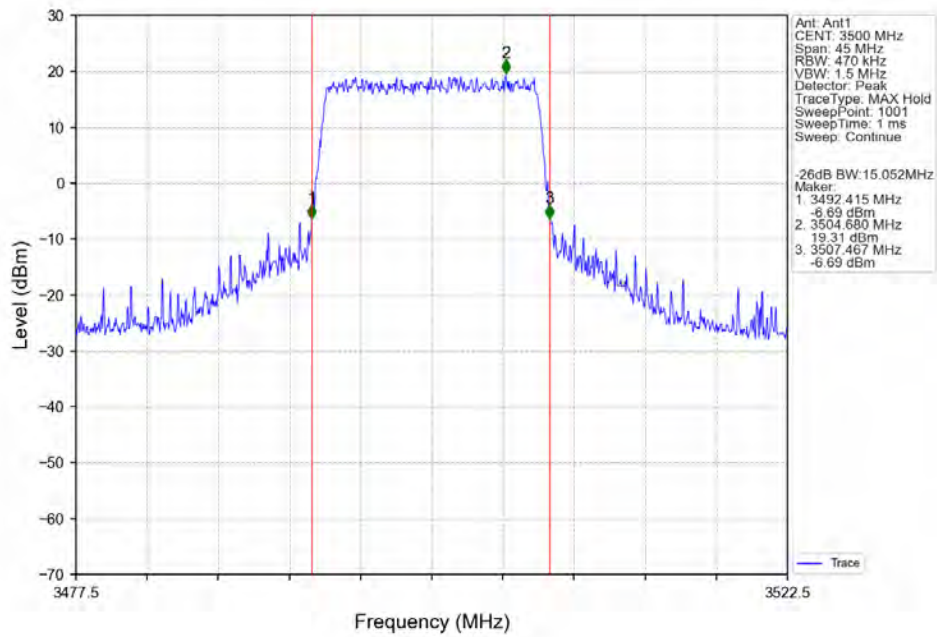
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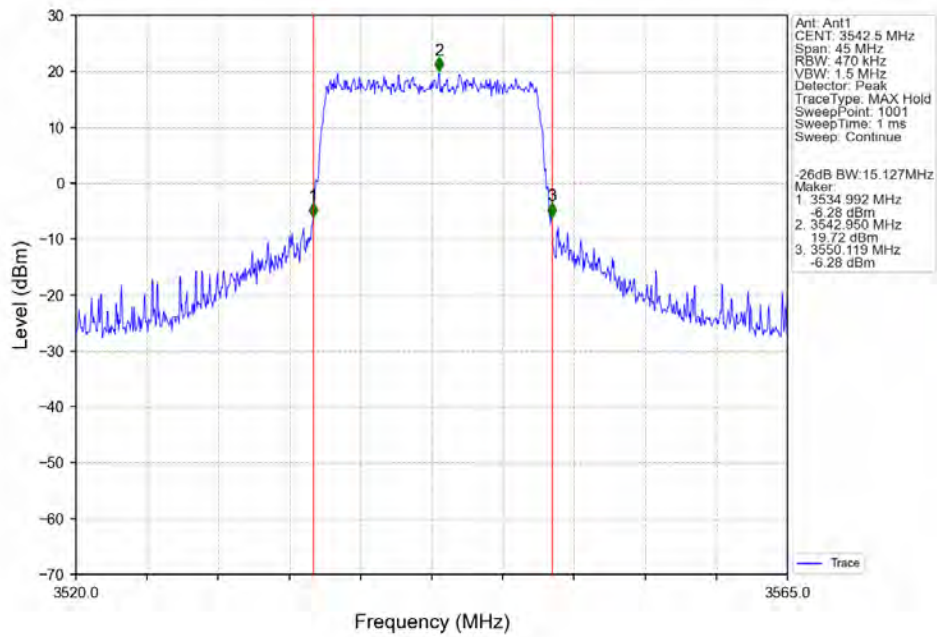
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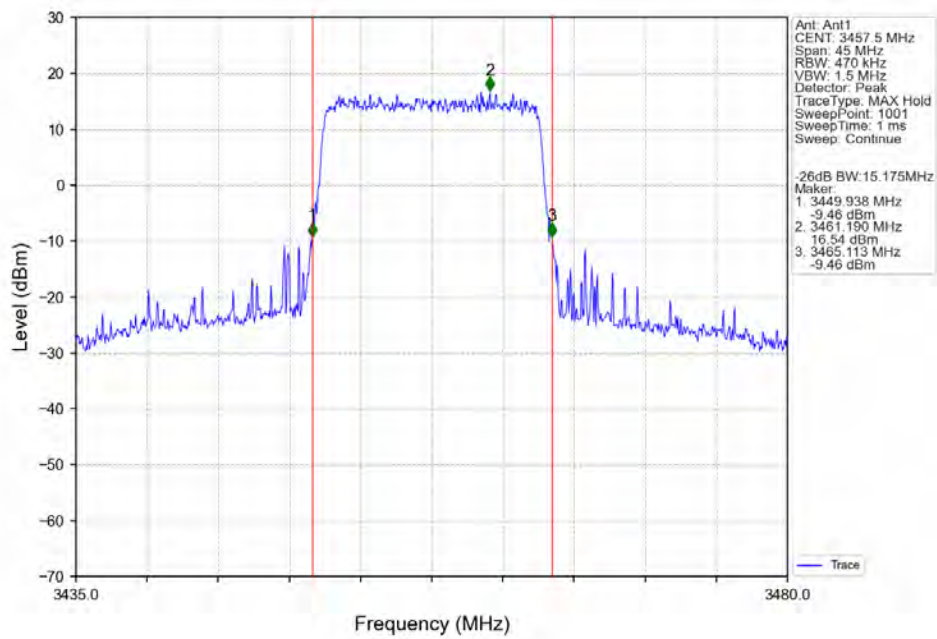
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTNV



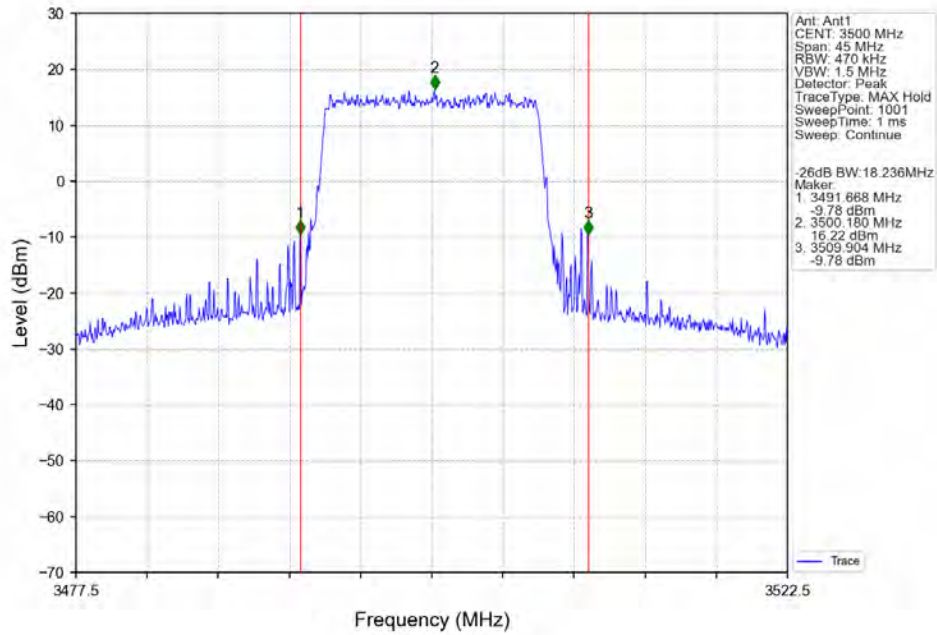
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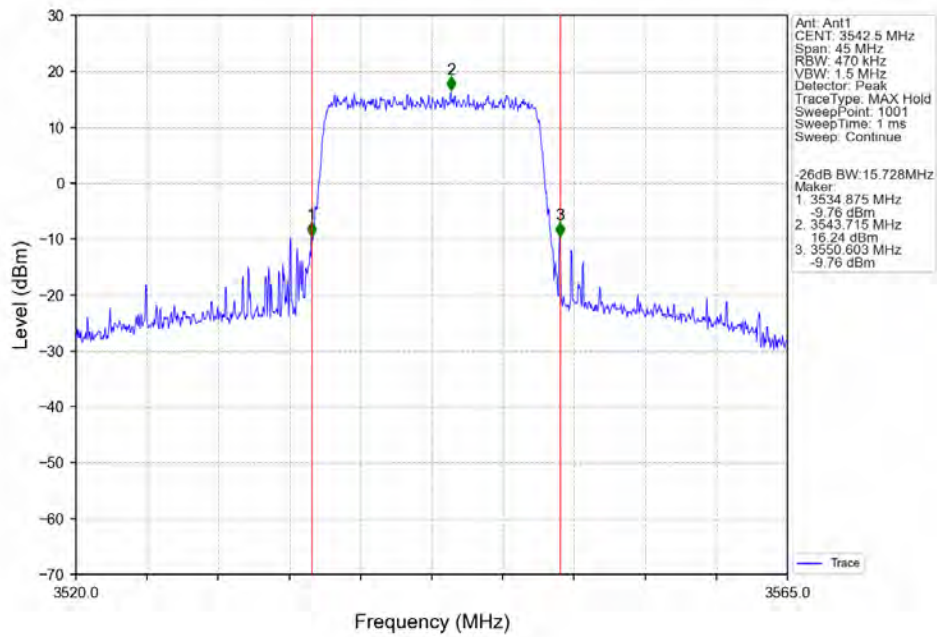
Band42a 15MHz 256QAM LCH 3457.5MHz RB 75 0 NTN



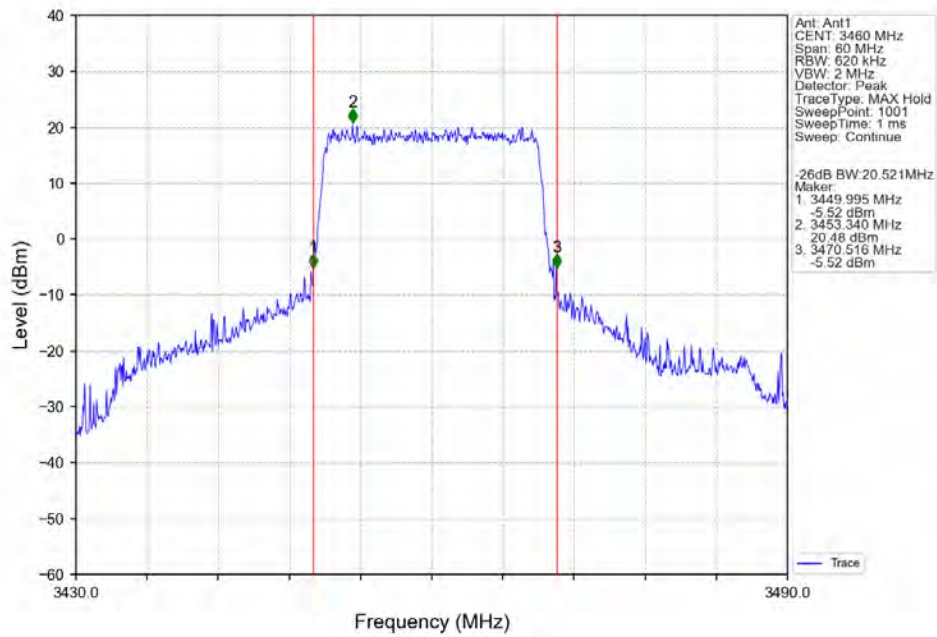
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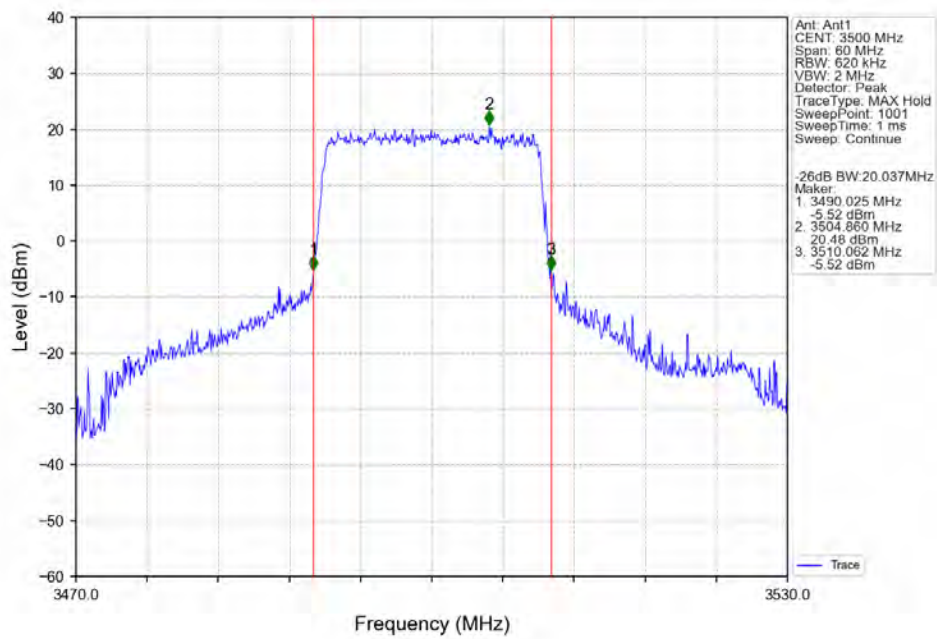
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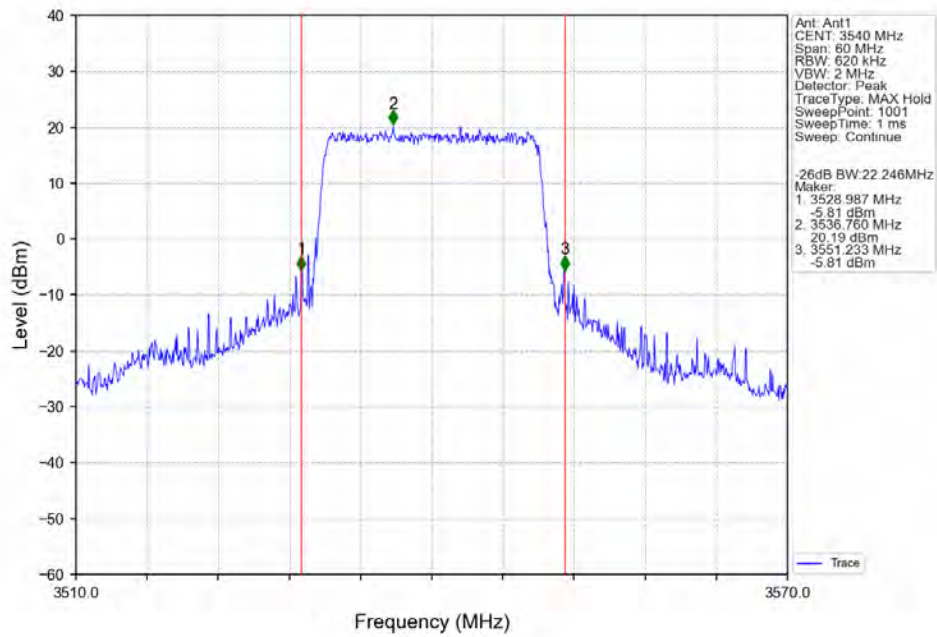
Band42a 20MHz QPSK LCH 3460MHz RB 100 0 NTNV



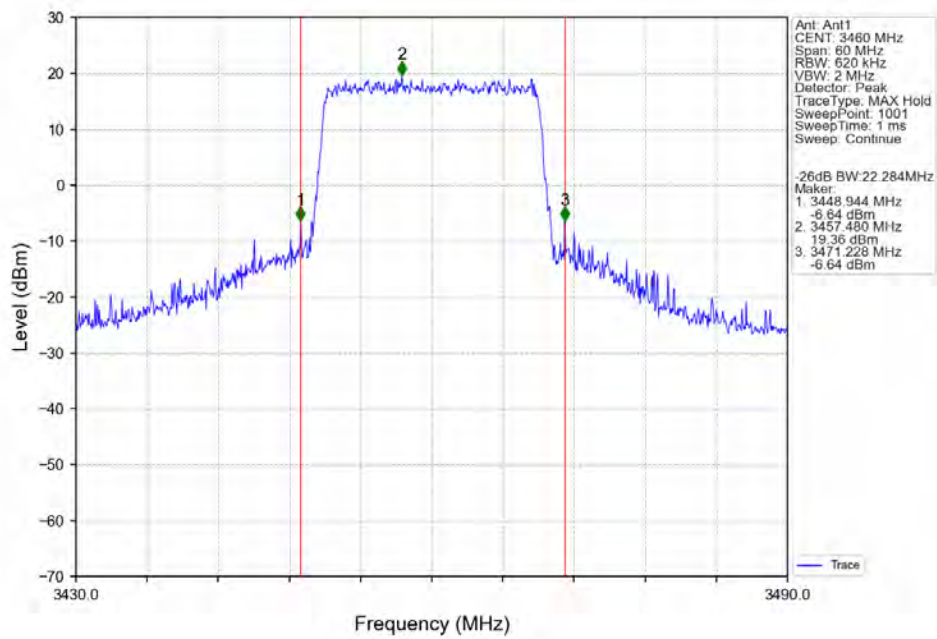
Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTNV



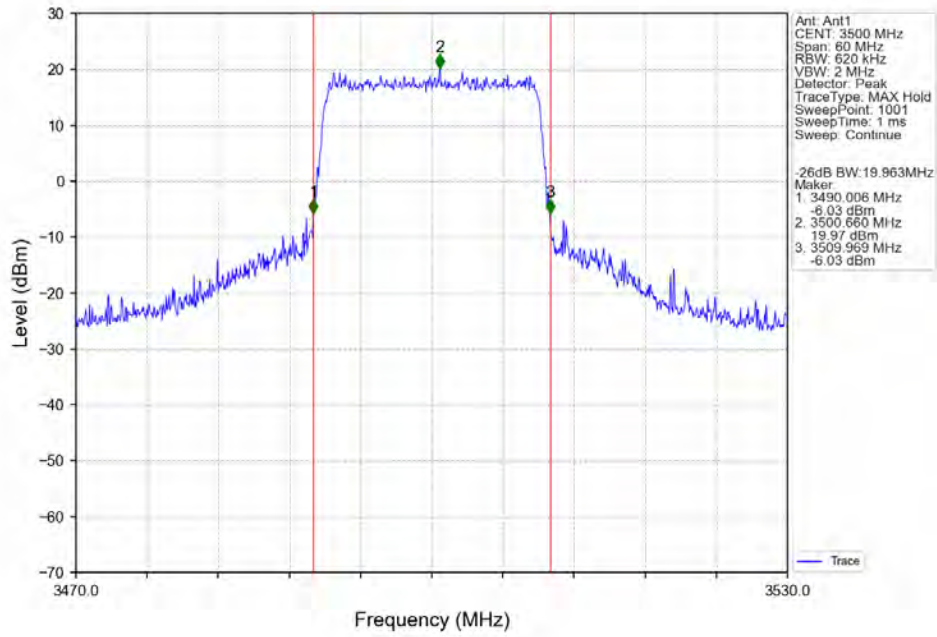
Band42a 20MHz QPSK HCH 3540MHz RB 100 0 NTNV



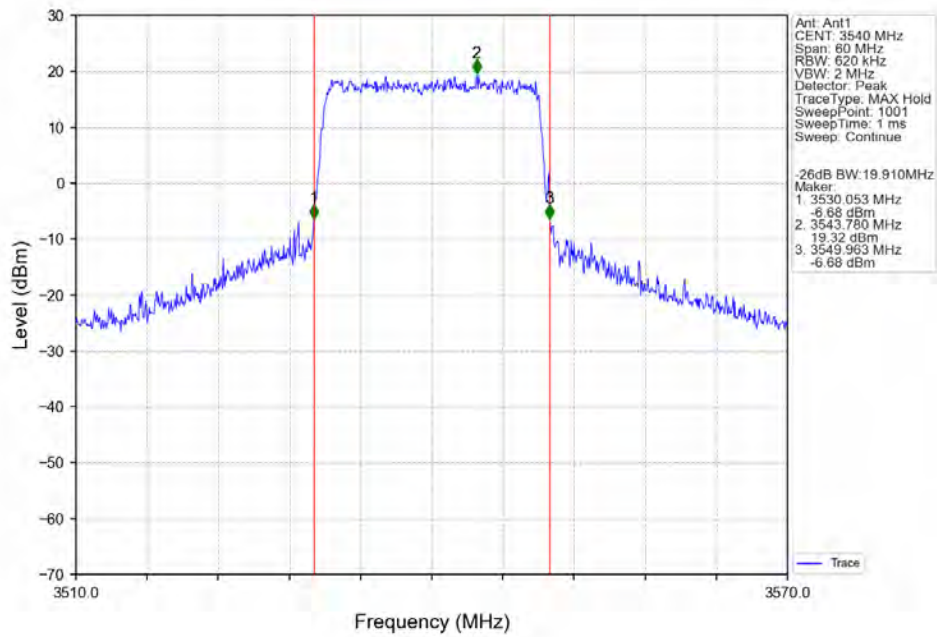
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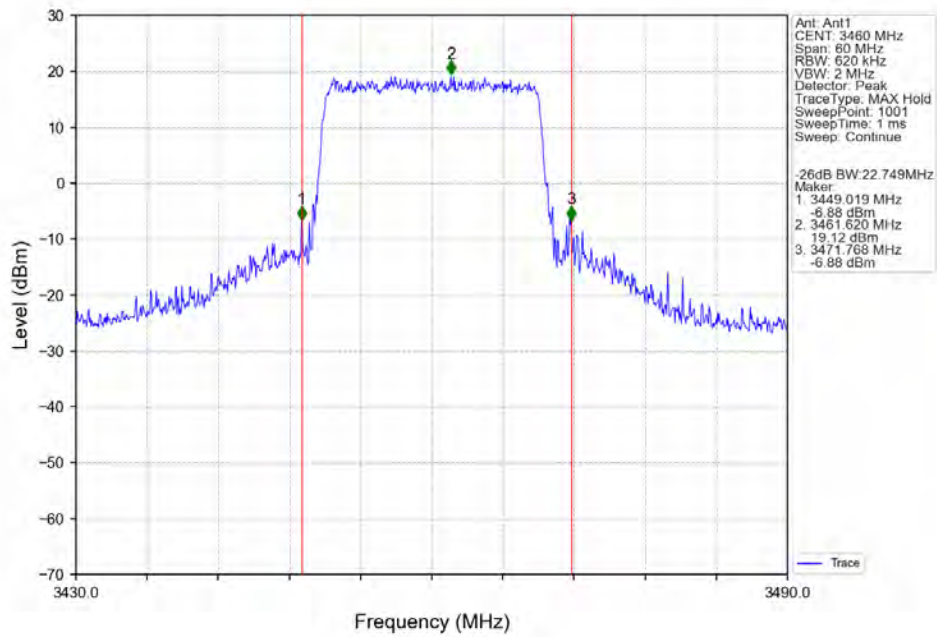
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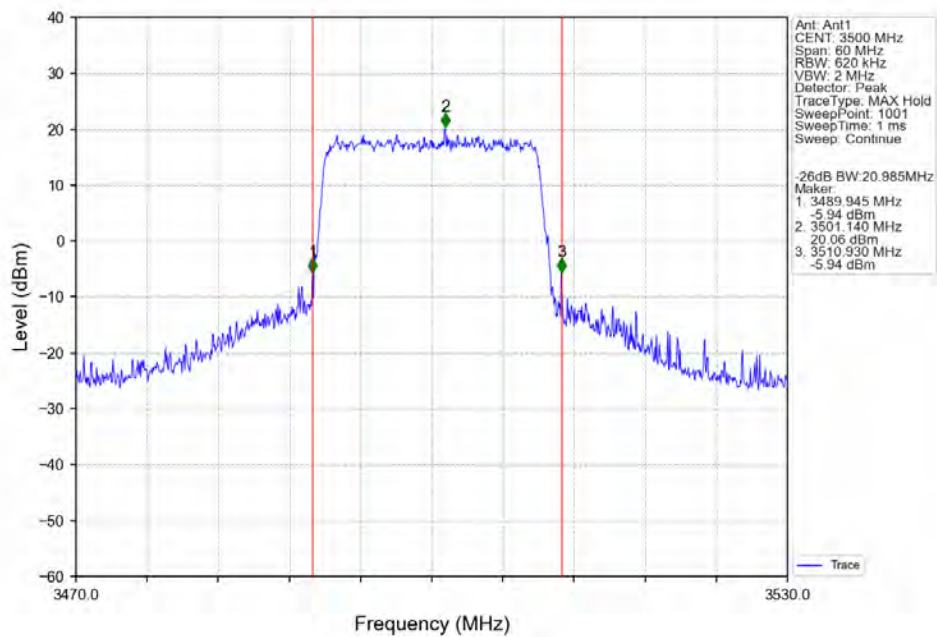
Band42a 20MHz 16QAM HCH 3540MHz RB 100 0 NTNV



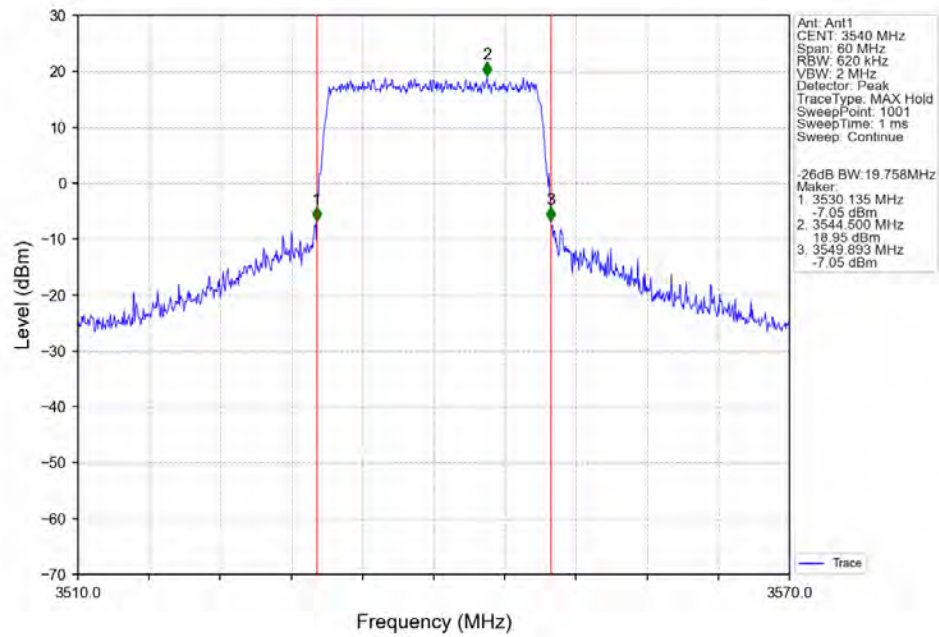
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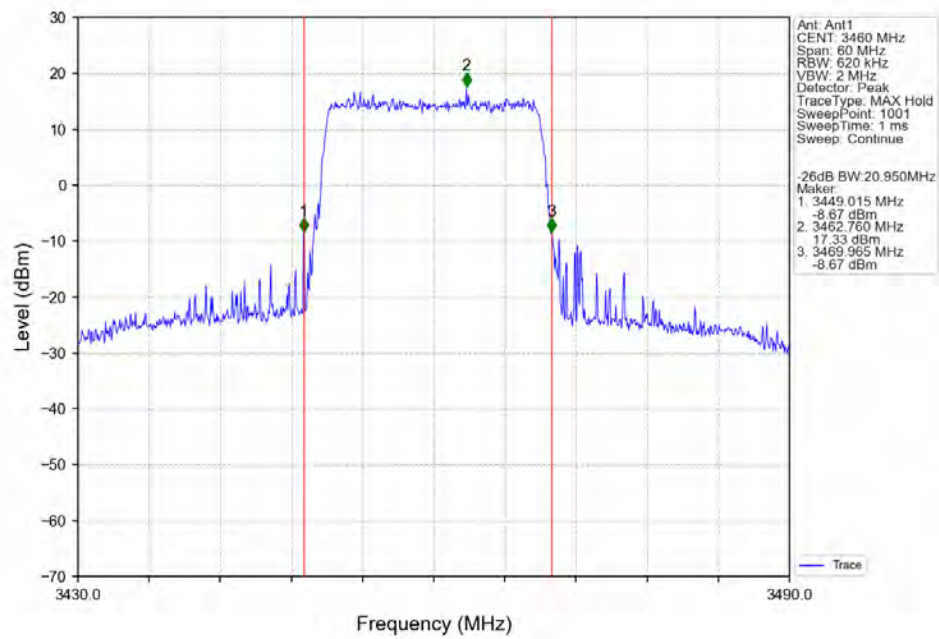
Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTNV



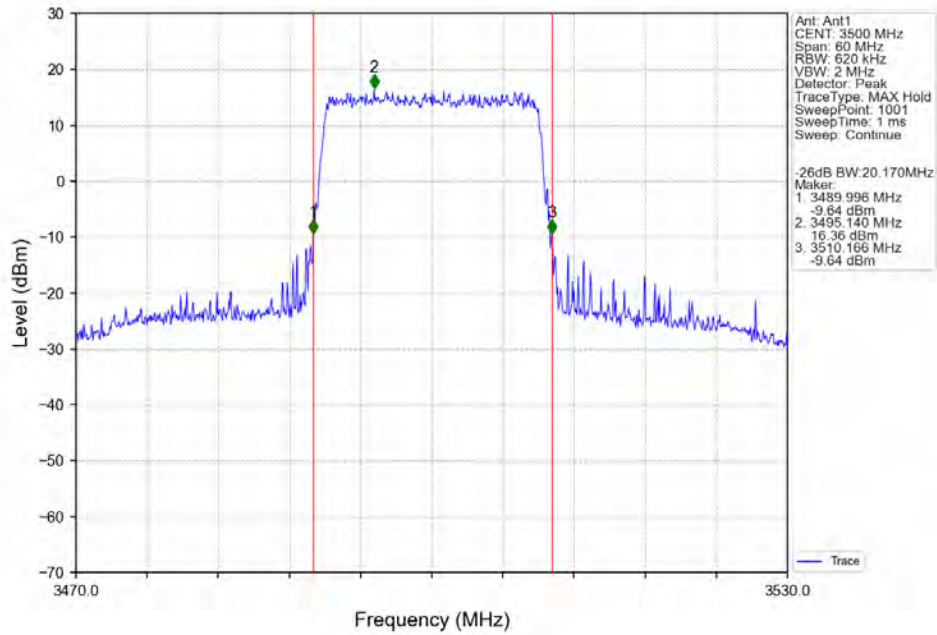
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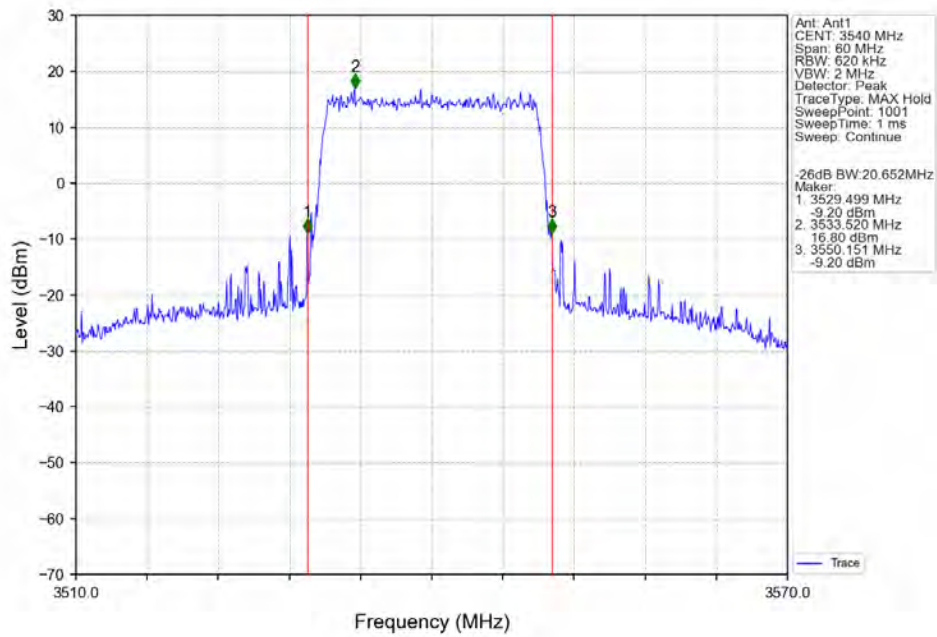
Band42a 20MHz 256QAM LCH 3460MHz RB 100 0 NTNV



Band42a 20MHz 256QAM MCH 3500MHz RB 100 0 NTNV



Band42a 20MHz 256QAM HCH 3540MHz RB 100 0 NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B42a_5MHz

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	25	0	6.73	<=13	Pass
	3500	25	0	6.62	<=13	Pass
	3547.5	25	0	6.62	<=13	Pass
16QAM	3452.5	25	0	7.88	<=13	Pass
	3500	25	0	7.95	<=13	Pass
	3547.5	25	0	7.30	<=13	Pass
64QAM	3452.5	25	0	7.71	<=13	Pass
	3500	25	0	7.85	<=13	Pass
	3547.5	25	0	7.63	<=13	Pass
256QAM	3452.5	25	0	8.87	<=13	Pass
	3500	25	0	8.88	<=13	Pass
	3547.5	25	0	8.70	<=13	Pass

5.1.2 B42a_10MHz

Band: 42a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	50	0	6.70	<=13	Pass
	3500	50	0	6.77	<=13	Pass
	3545	50	0	6.63	<=13	Pass
16QAM	3455	50	0	7.83	<=13	Pass
	3500	50	0	7.95	<=13	Pass
	3545	50	0	7.63	<=13	Pass
64QAM	3455	50	0	7.70	<=13	Pass
	3500	50	0	7.80	<=13	Pass
	3545	50	0	7.68	<=13	Pass
256QAM	3455	50	0	8.91	<=13	Pass
	3500	50	0	8.54	<=13	Pass
	3545	50	0	8.67	<=13	Pass

5.1.3 B42a_15MHz

Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	75	0	5.78	<=13	Pass
	3500	75	0	5.92	<=13	Pass
	3542.5	75	0	6.64	<=13	Pass
16QAM	3457.5	75	0	7.53	<=13	Pass
	3500	75	0	7.89	<=13	Pass
	3542.5	75	0	7.75	<=13	Pass
64QAM	3457.5	75	0	7.70	<=13	Pass

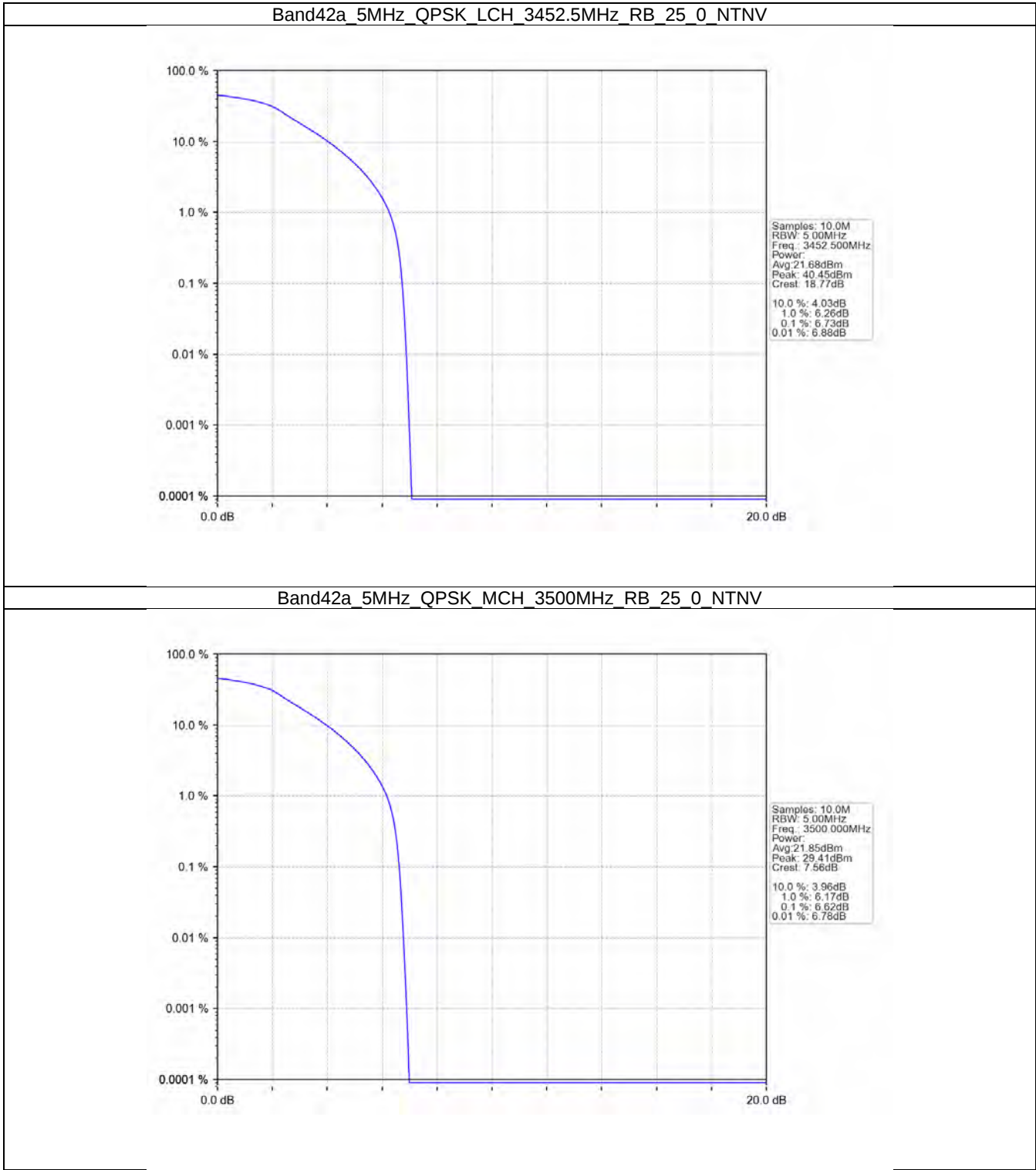
256QAM	3500	75	0	7.59	<=13	Pass
	3542.5	75	0	7.60	<=13	Pass
	3457.5	75	0	9.19	<=13	Pass
	3500	75	0	8.47	<=13	Pass
	3542.5	75	0	8.84	<=13	Pass

5.1.4 B42a_20MHz

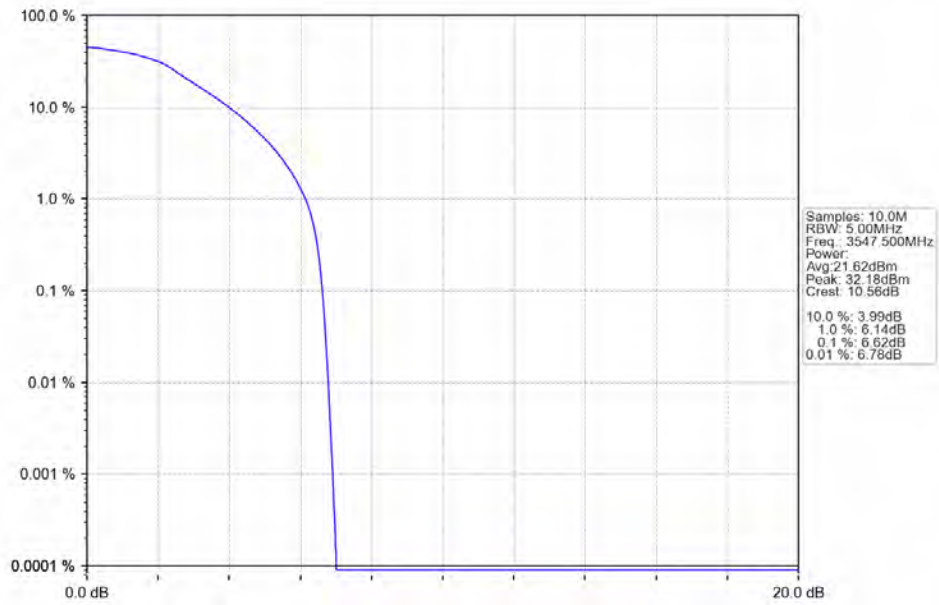
Band: 42a / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	100	0	6.26	<=13	Pass
	3500	100	0	6.39	<=13	Pass
	3540	100	0	6.46	<=13	Pass
16QAM	3460	100	0	8.10	<=13	Pass
	3500	100	0	8.15	<=13	Pass
	3540	100	0	7.34	<=13	Pass
64QAM	3460	100	0	7.67	<=13	Pass
	3500	100	0	7.97	<=13	Pass
	3540	100	0	7.64	<=13	Pass
256QAM	3460	100	0	9.08	<=13	Pass
	3500	100	0	8.92	<=13	Pass
	3540	100	0	8.99	<=13	Pass

5.2 Test Graph

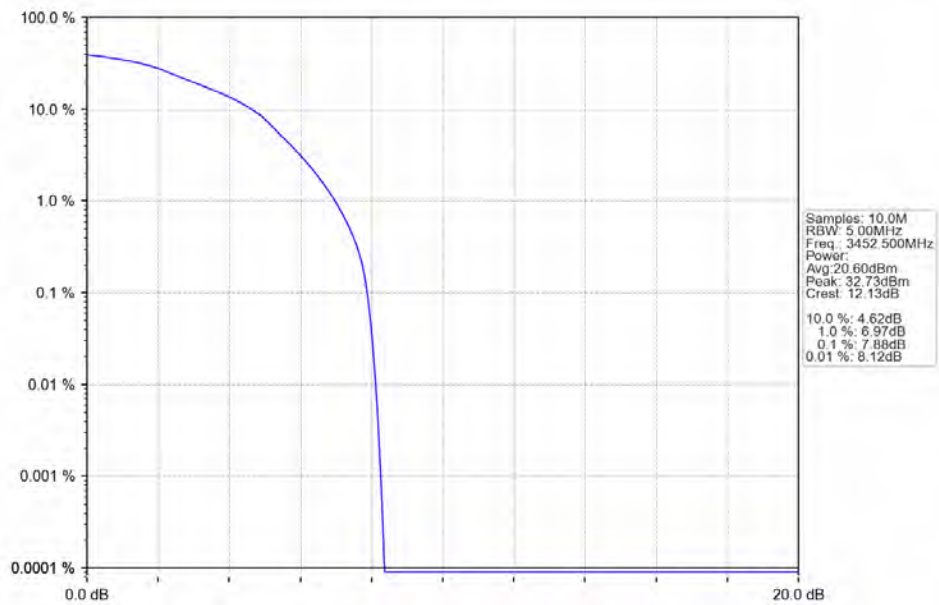
5.2.1 B42a_5MHz



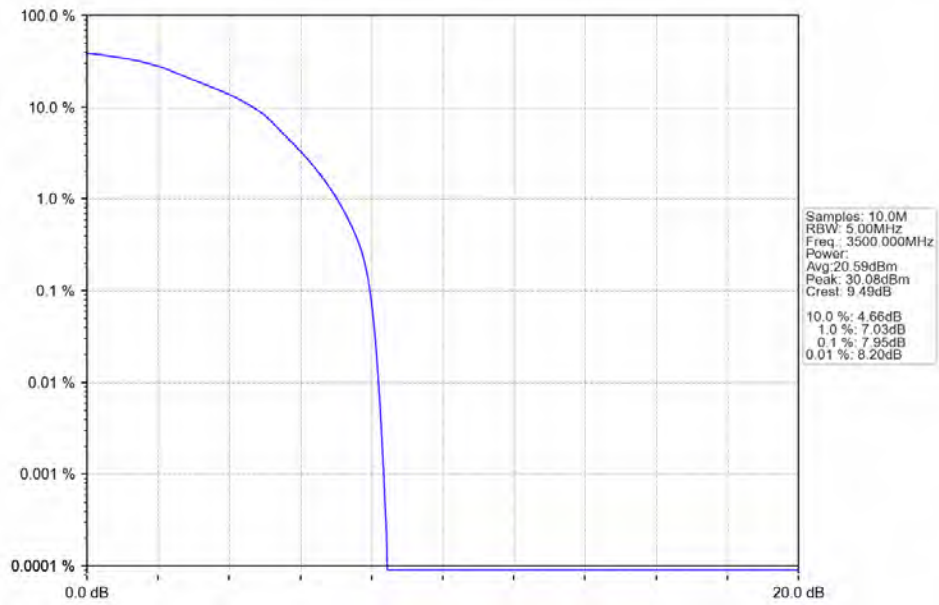
Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTNV



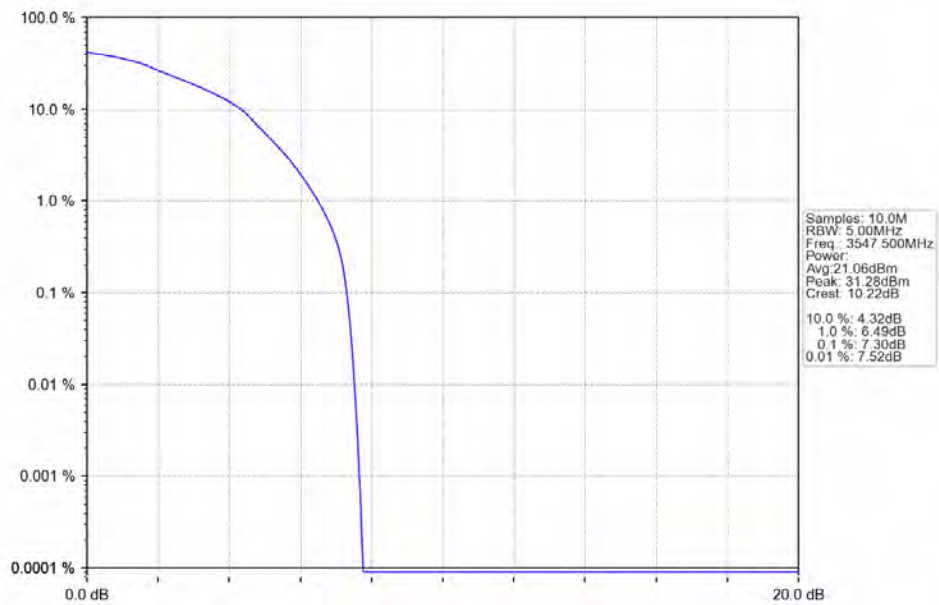
Band42a 5MHz 16QAM LCH 3452.5MHz RB 25 0 NTNV



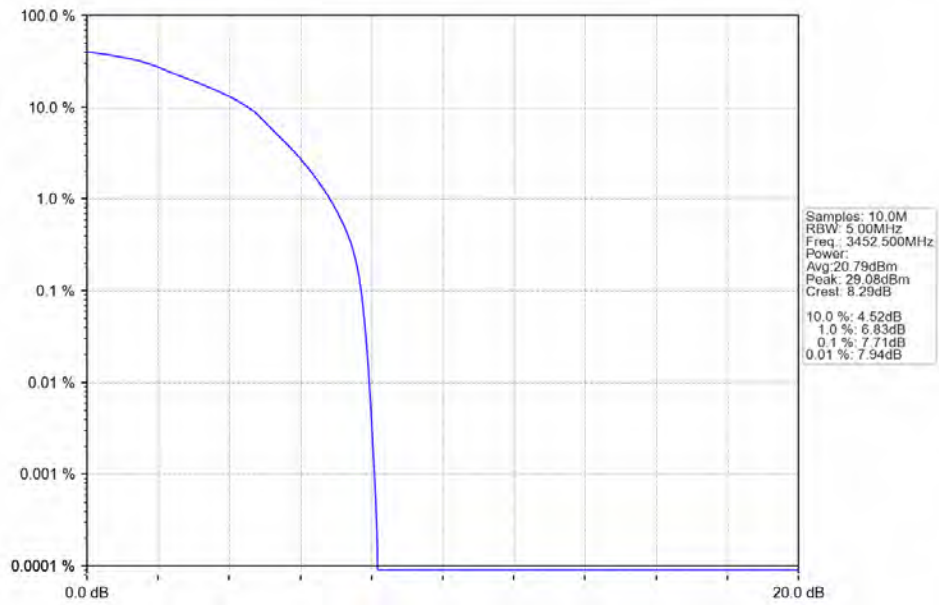
Band42a 5MHz 16QAM MCH 3500MHz RB 25 0 NTNV



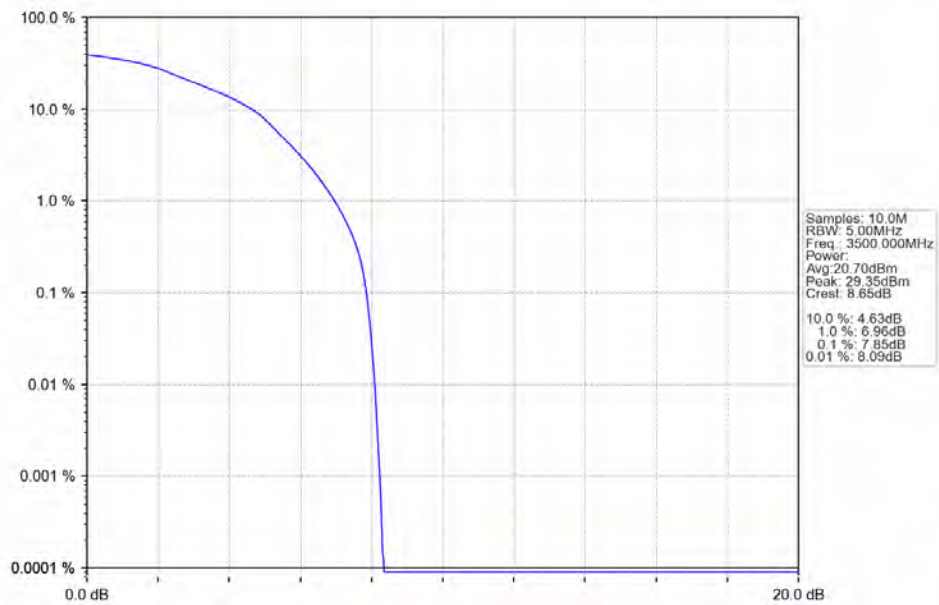
Band42a 5MHz 16QAM HCH 3547.5MHz RB 25 0 NTNV



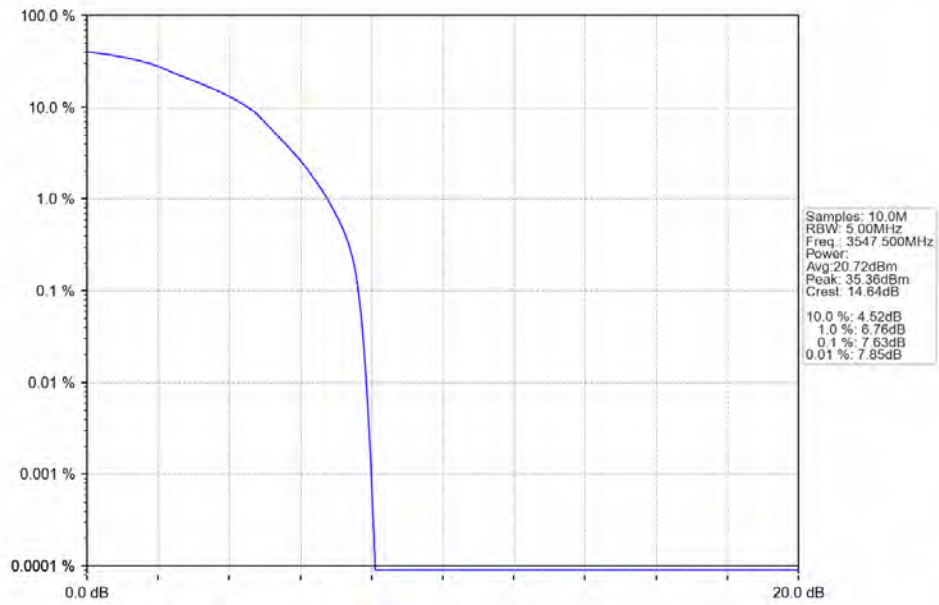
Band42a 5MHz 64QAM LCH 3452.5MHz RB 25 0 NTV



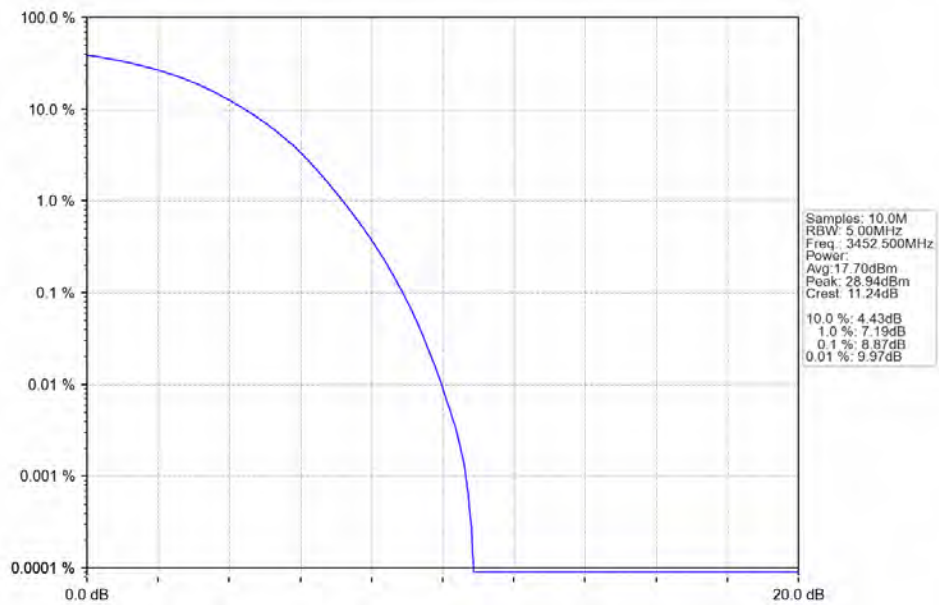
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTV



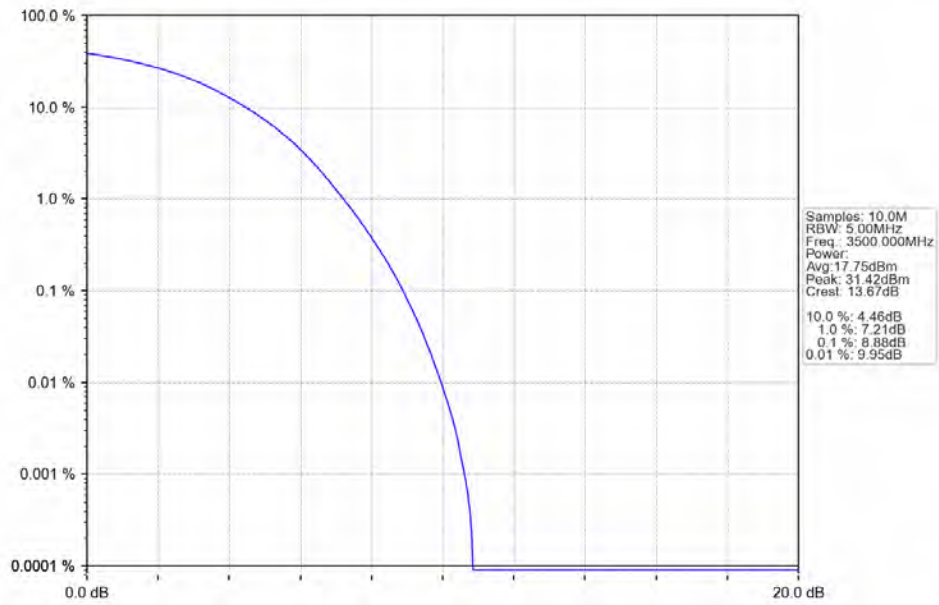
Band42a 5MHz 64QAM HCH 3547.5MHz RB 25 0 NTNV



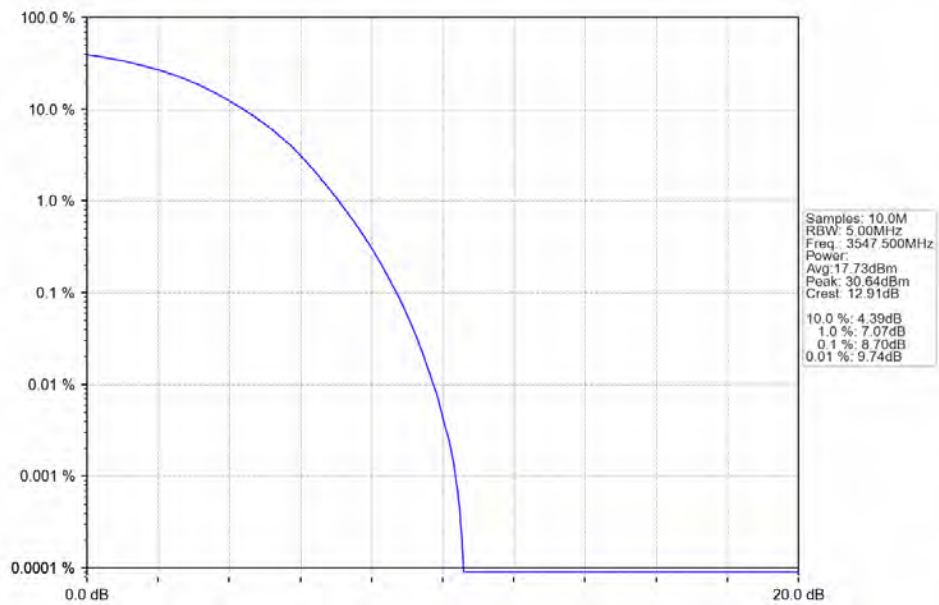
Band42a 5MHz 256QAM LCH 3452.5MHz RB 25 0 NTNV



Band42a 5MHz 256QAM MCH 3500MHz RB 25 0 NTV

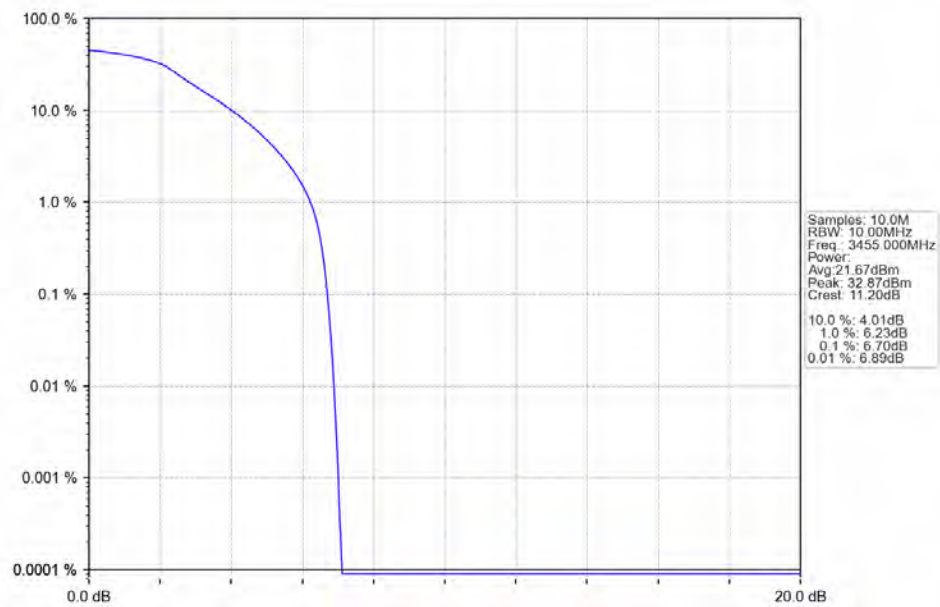


Band42a 5MHz 256QAM HCH 3547.5MHz RB 25 0 NTV

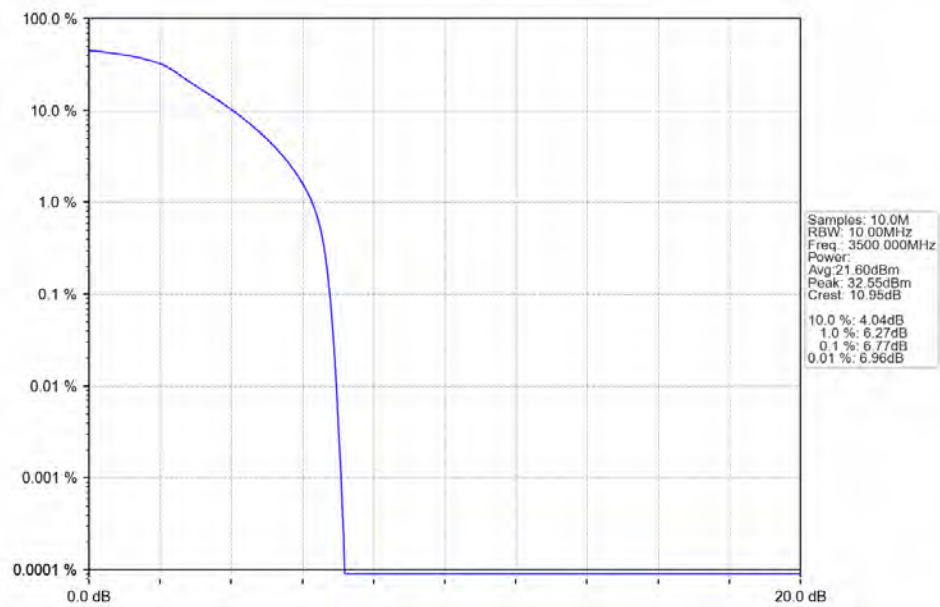


5.2.2 B42a_10MHz

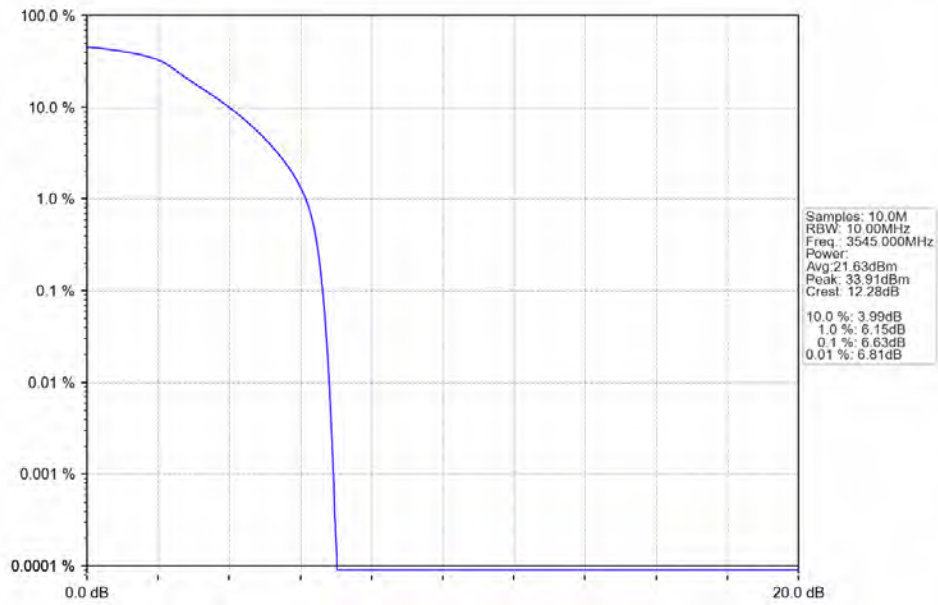
Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV



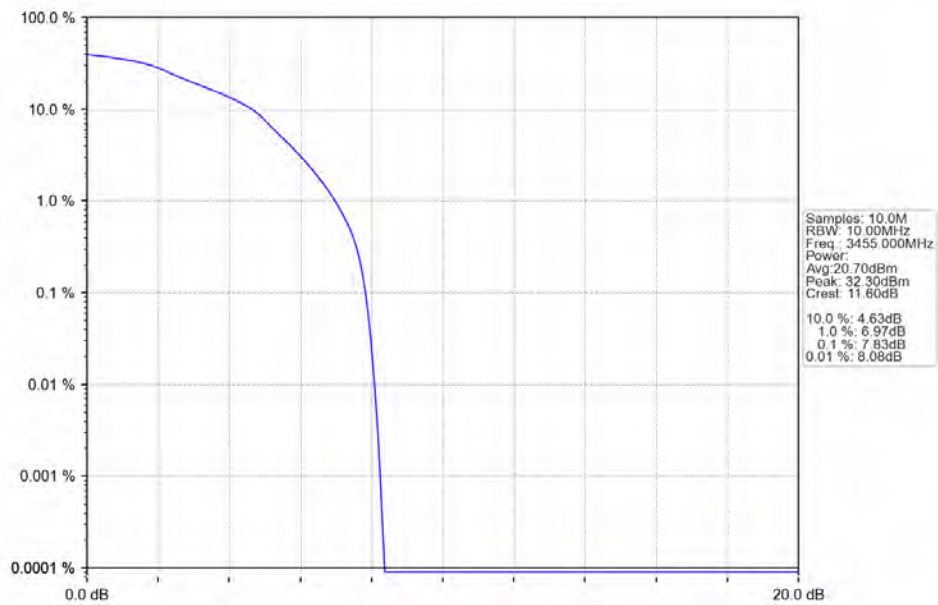
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



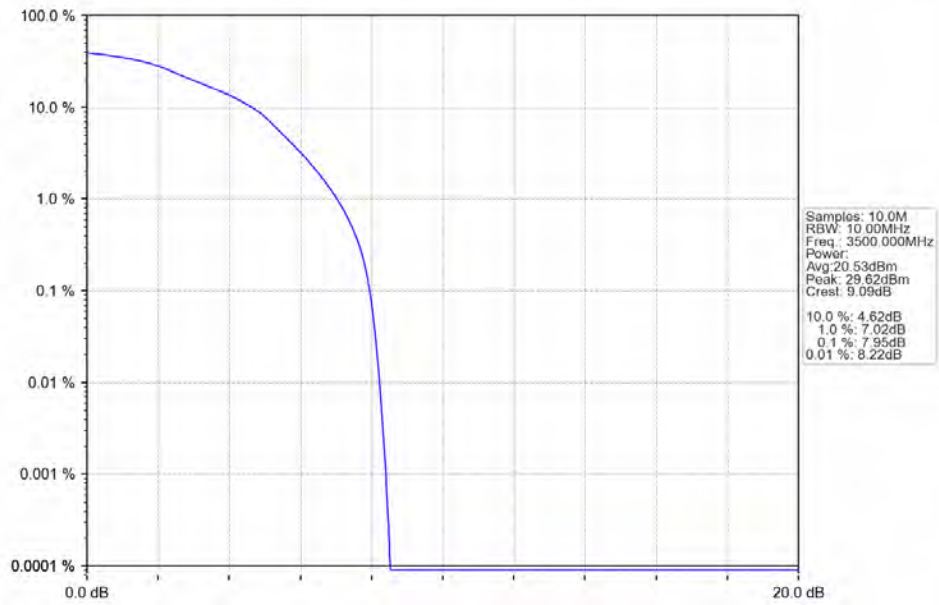
Band42a 10MHz QPSK HCH 3545MHz RB 50 0 NTV



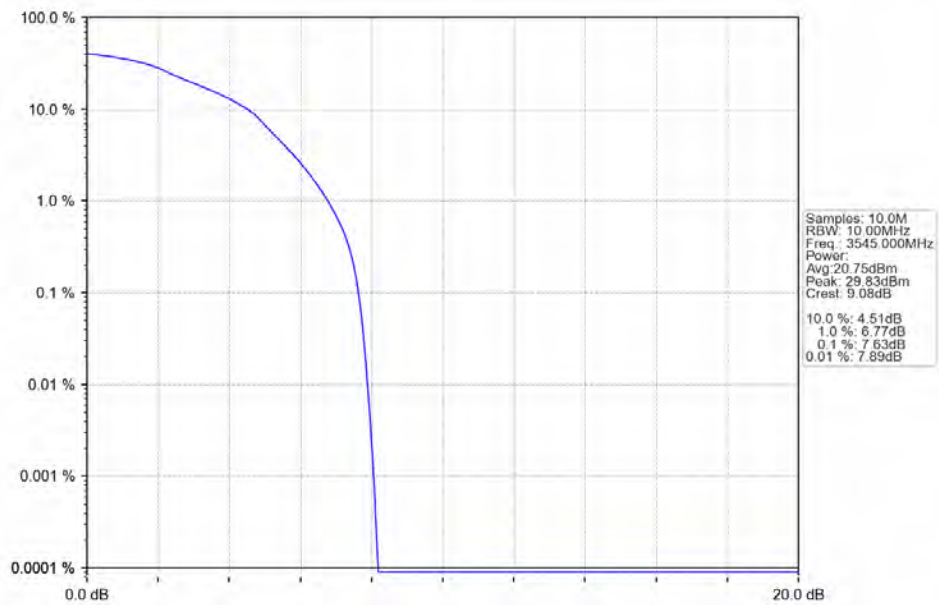
Band42a 10MHz 16QAM LCH 3455MHz RB 50 0 NTV



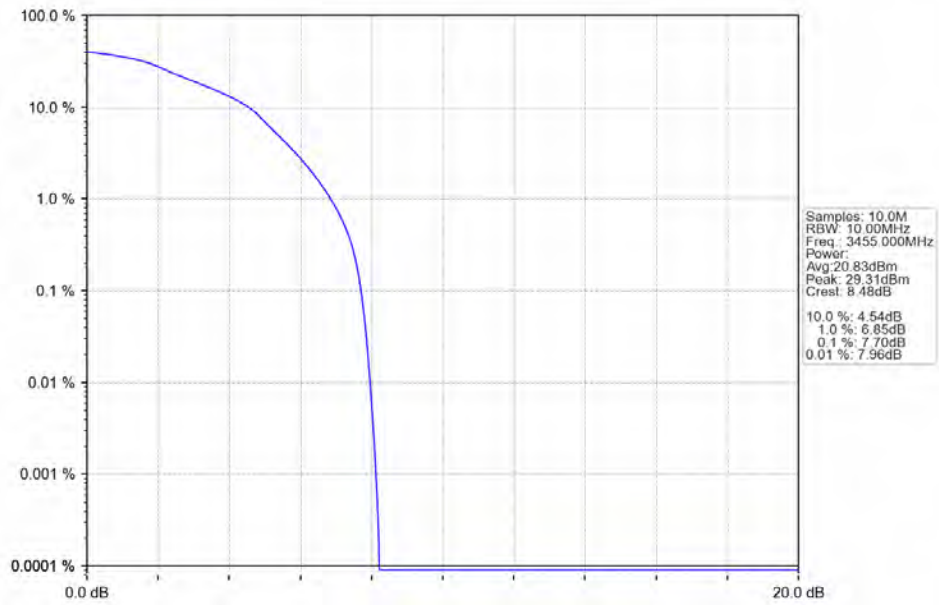
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTNV



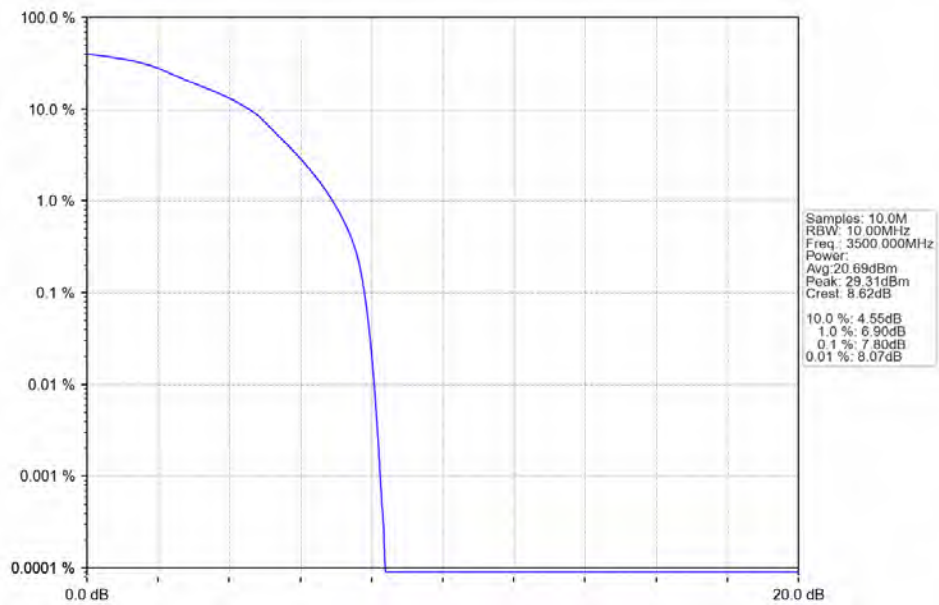
Band42a 10MHz 16QAM HCH 3545MHz RB 50 0 NTNV



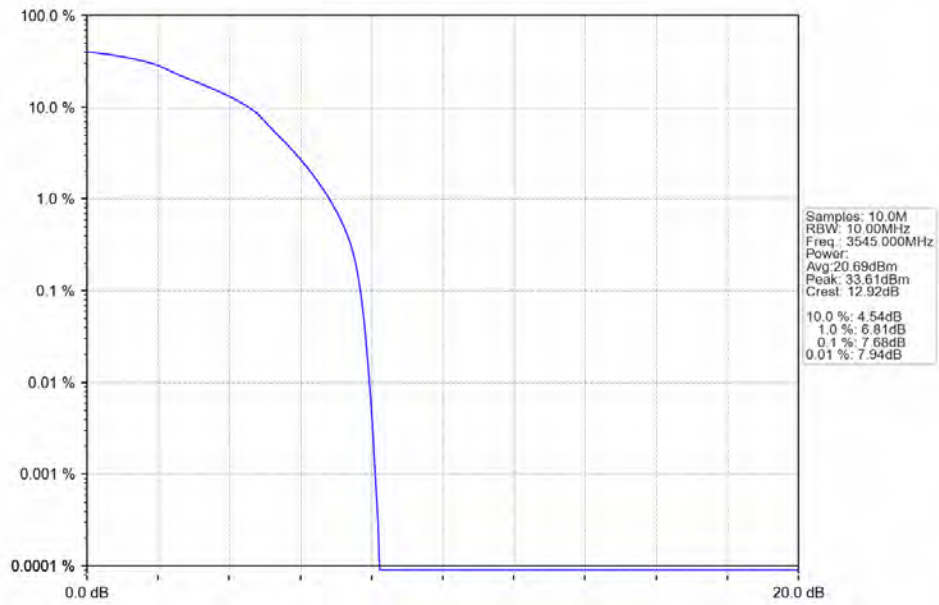
Band42a 10MHz 64QAM LCH 3455MHz RB 50 0 NTNV



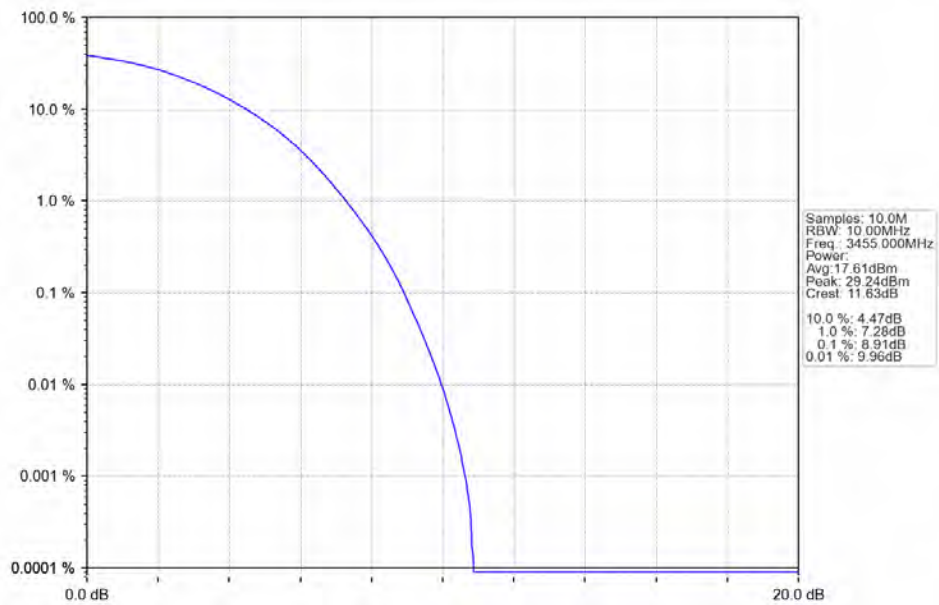
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTNV



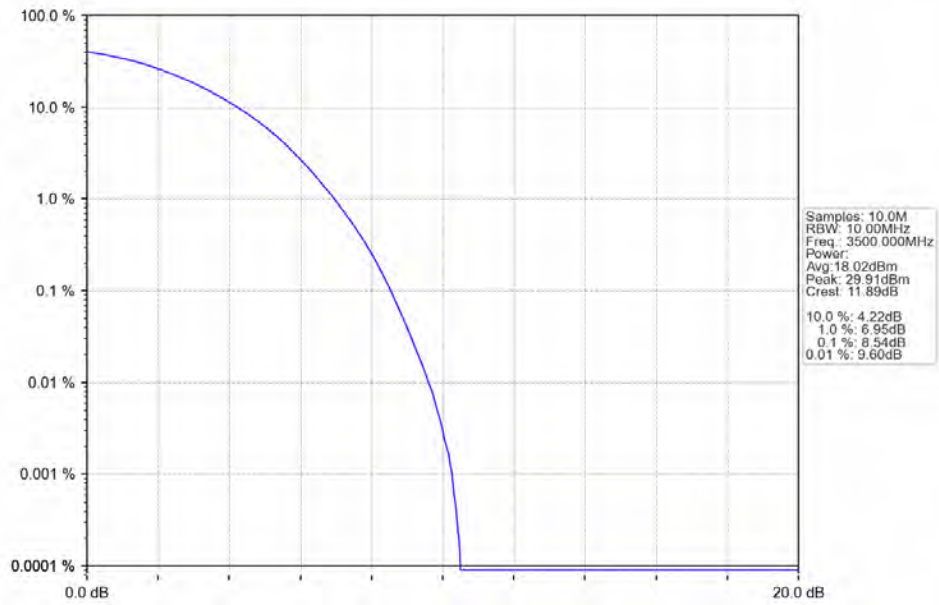
Band42a 10MHz 64QAM HCH 3545MHz RB 50 0 NTNV



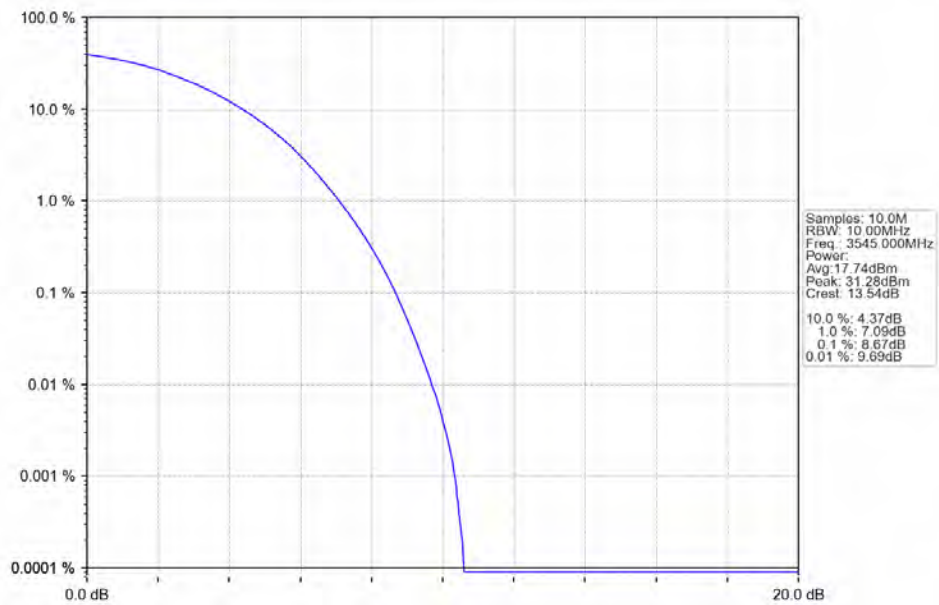
Band42a 10MHz 256QAM LCH 3455MHz RB 50 0 NTNV



Band42a 10MHz 256QAM MCH 3500MHz RB 50 0 NTNV

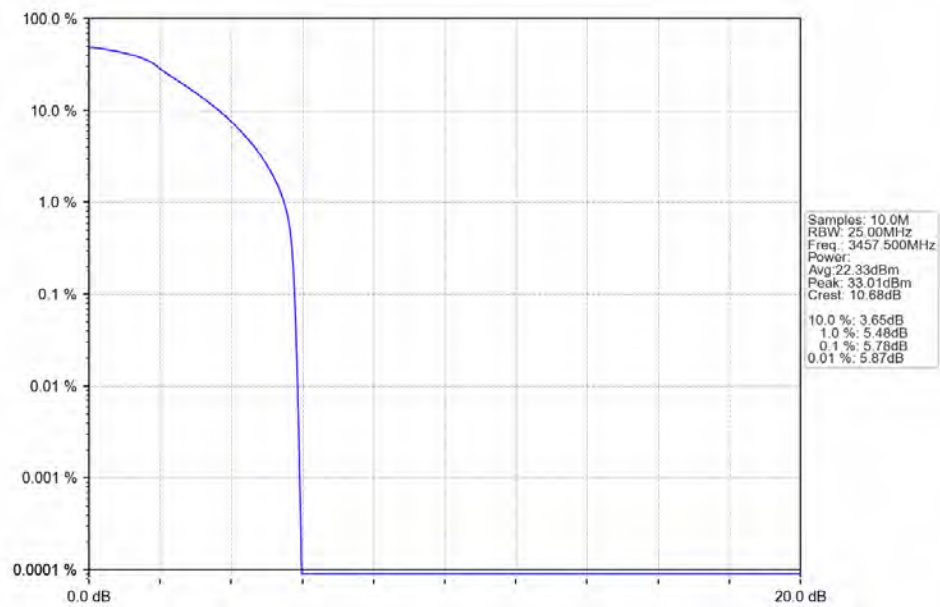


Band42a 10MHz 256QAM HCH 3545MHz RB 50 0 NTNV

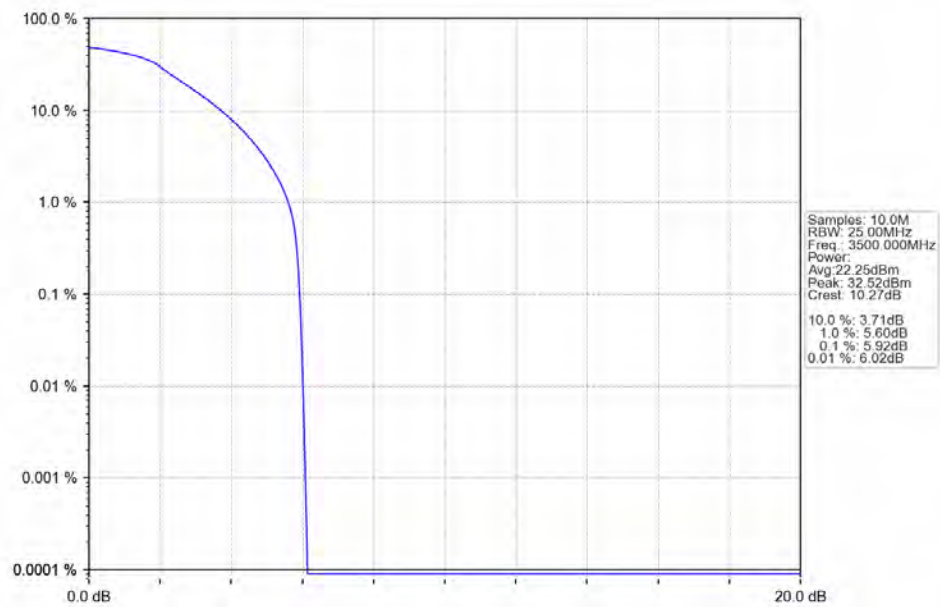


5.2.3 B42a_15MHz

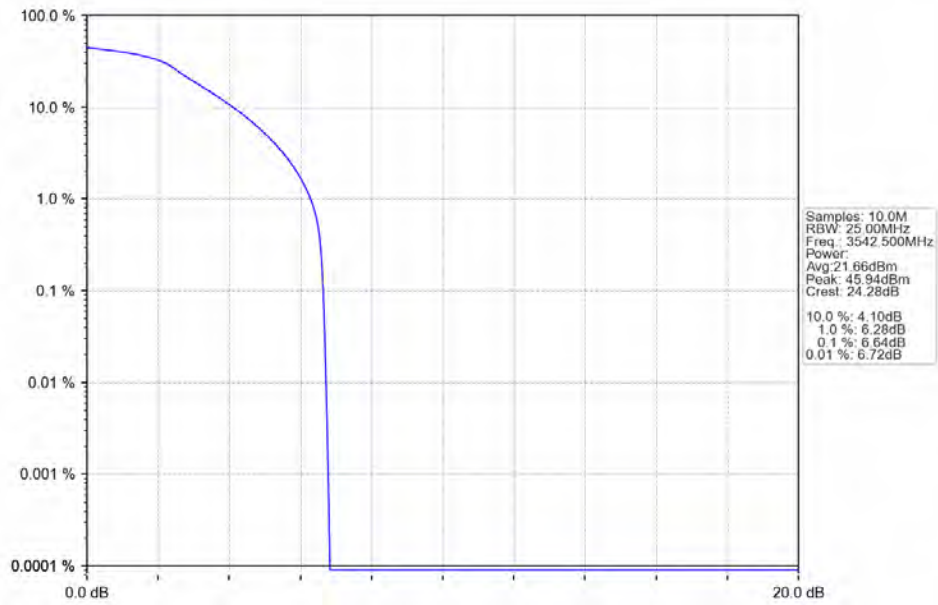
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



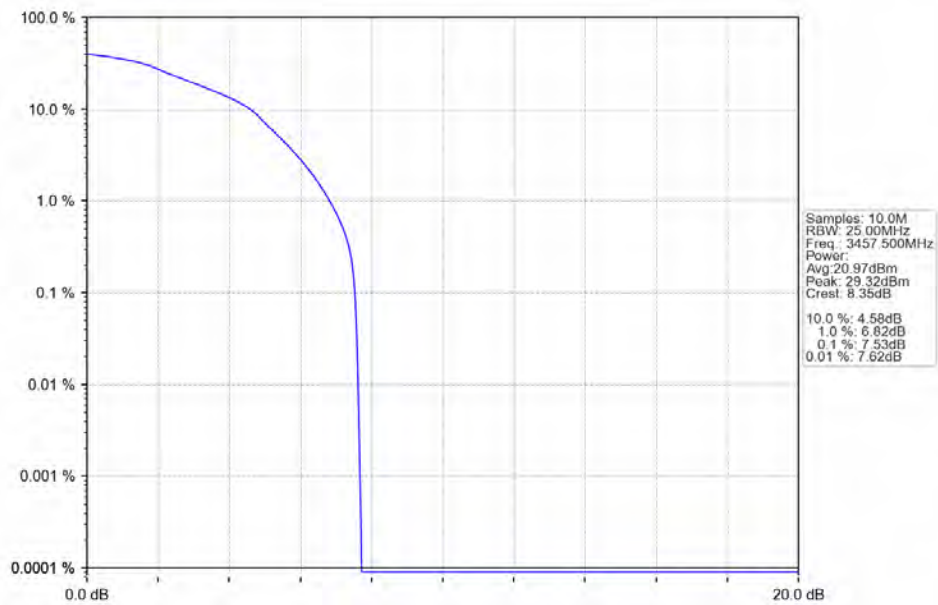
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



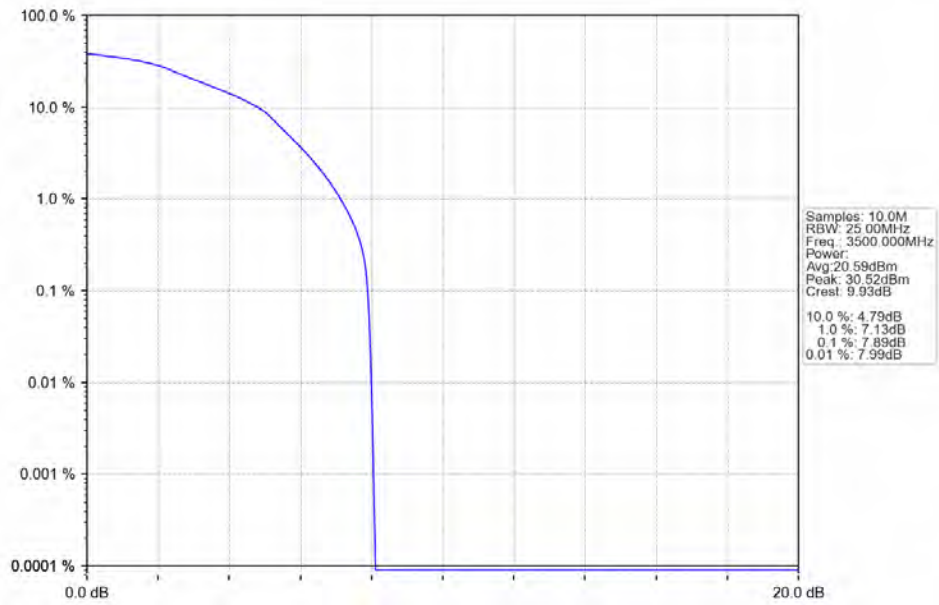
Band42a 15MHz QPSK HCH 3542.5MHz RB 75 0 NTV



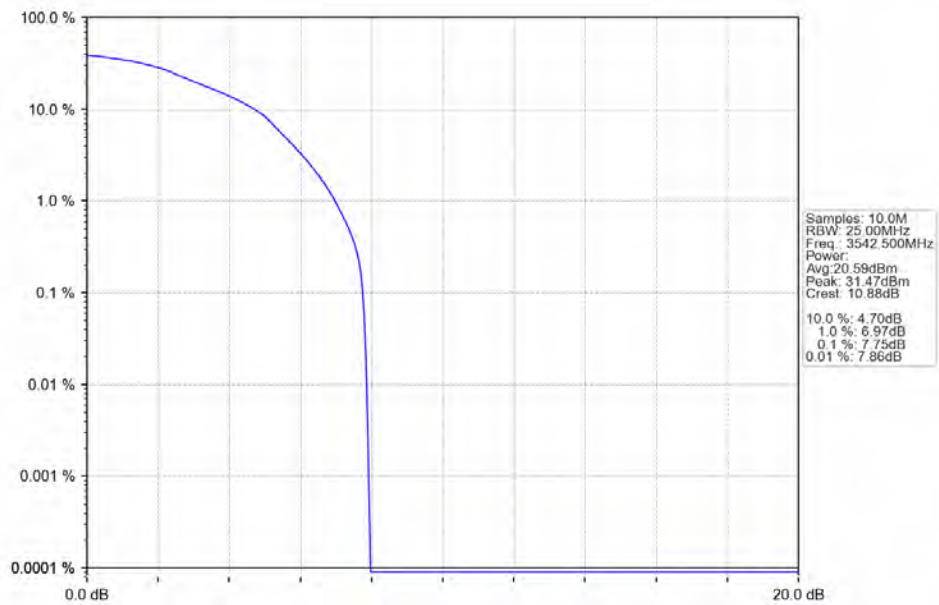
Band42a 15MHz 16QAM LCH 3457.5MHz RB 75 0 NTV



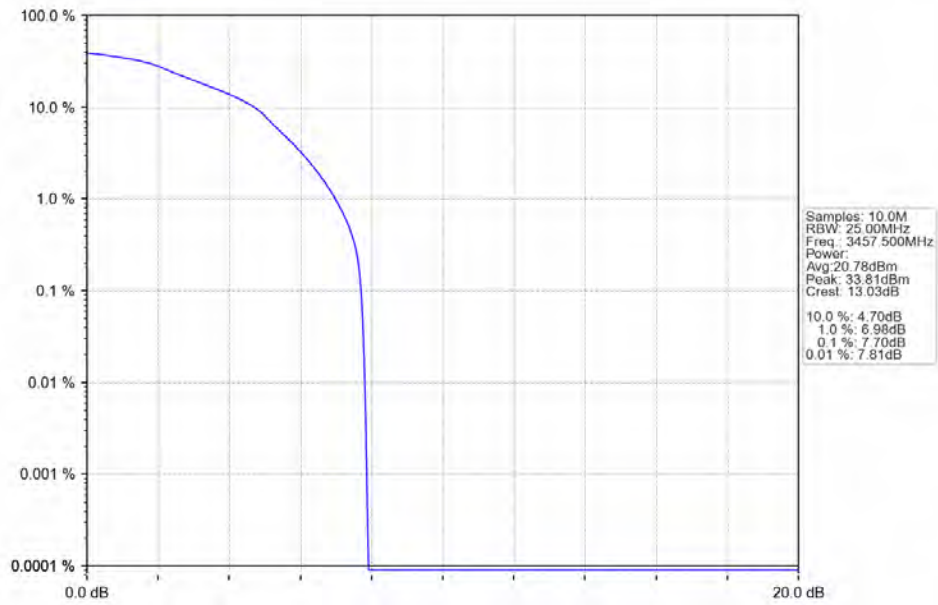
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTNV



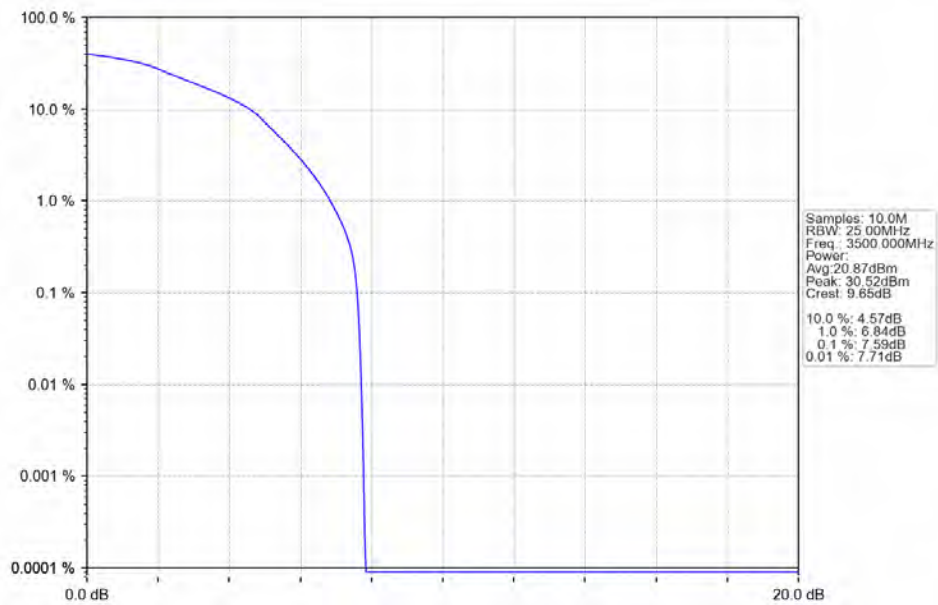
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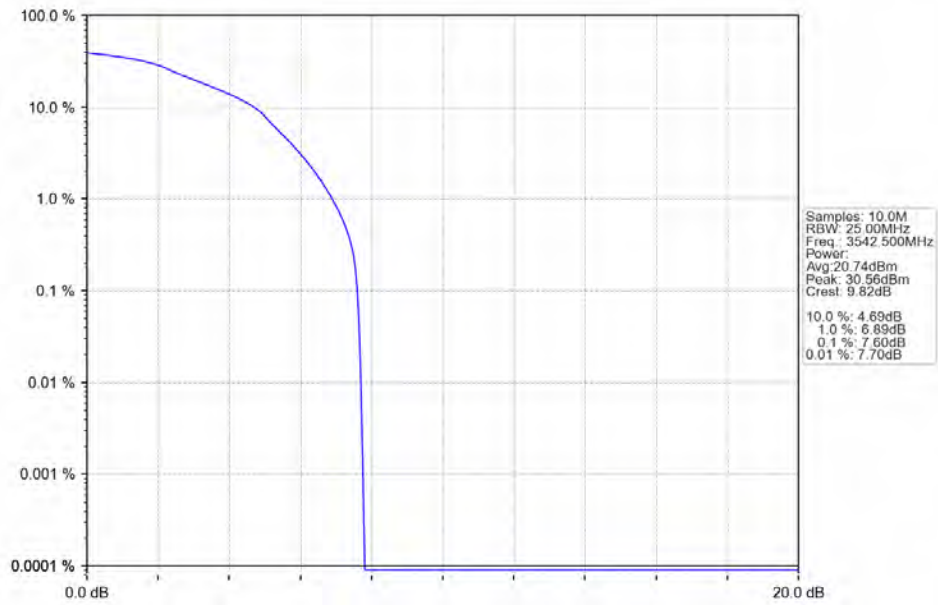
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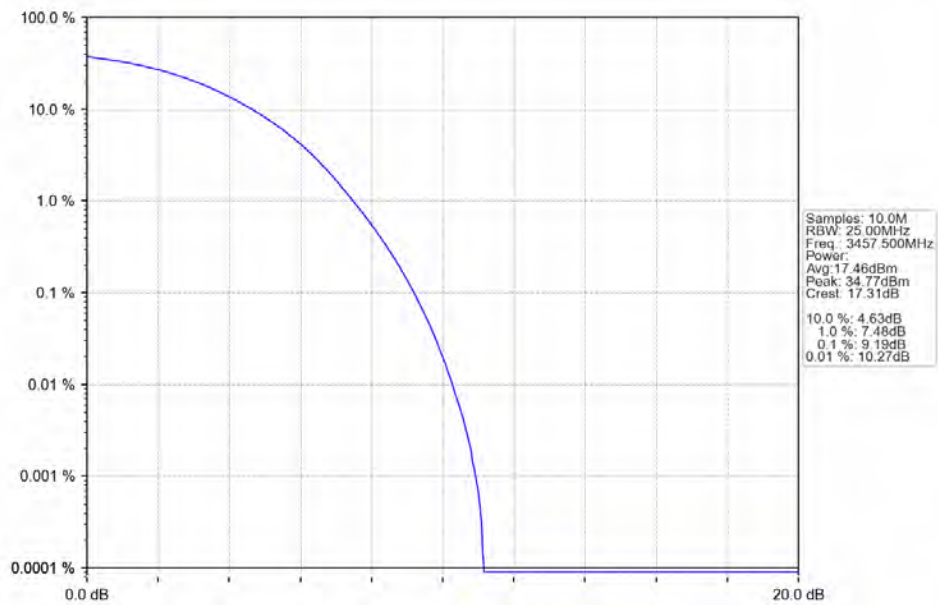
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTNV



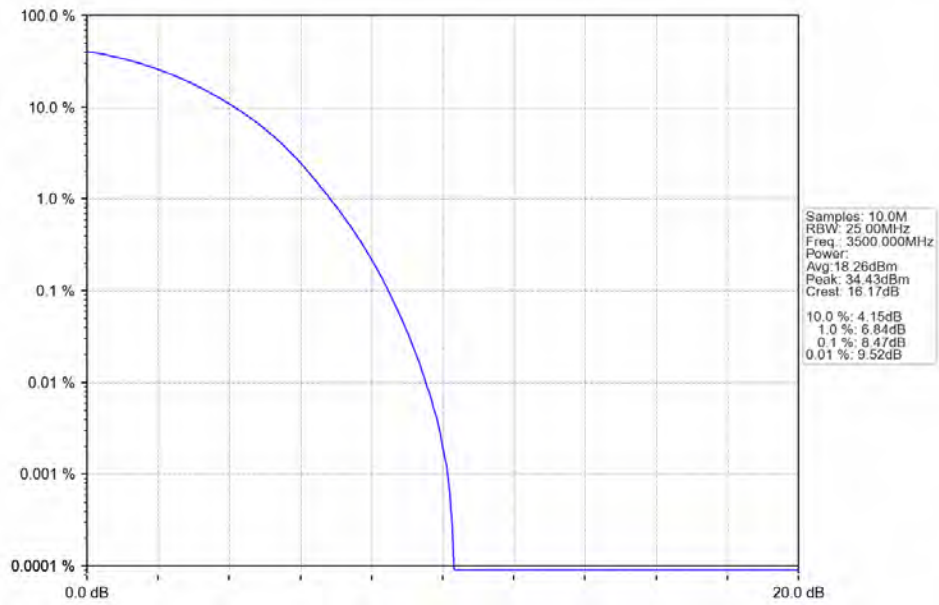
Band42a 15MHz 64QAM HCH 3542.5MHz RB 75 0 NTNV



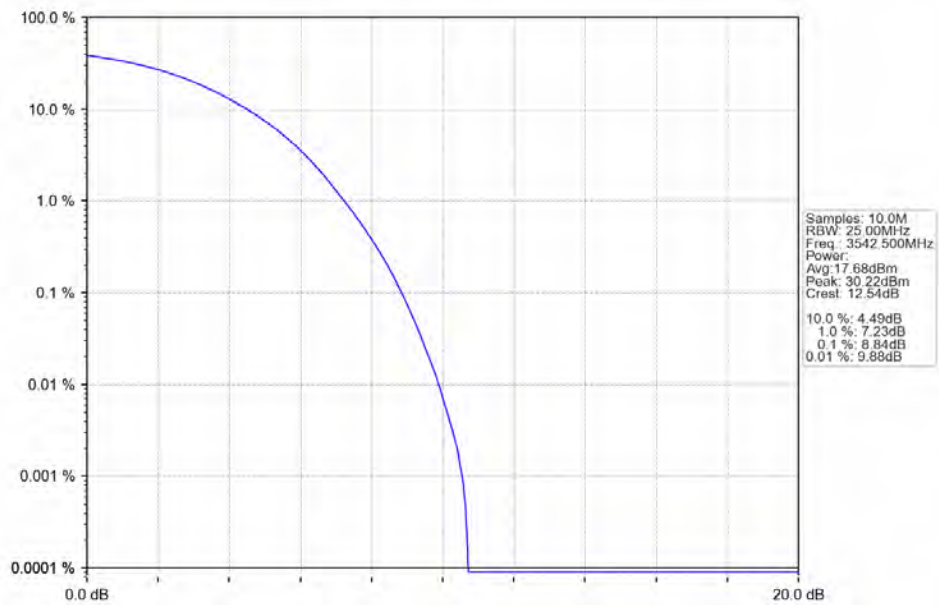
Band42a 15MHz 256QAM LCH 3457.5MHz RB 75 0 NTNV



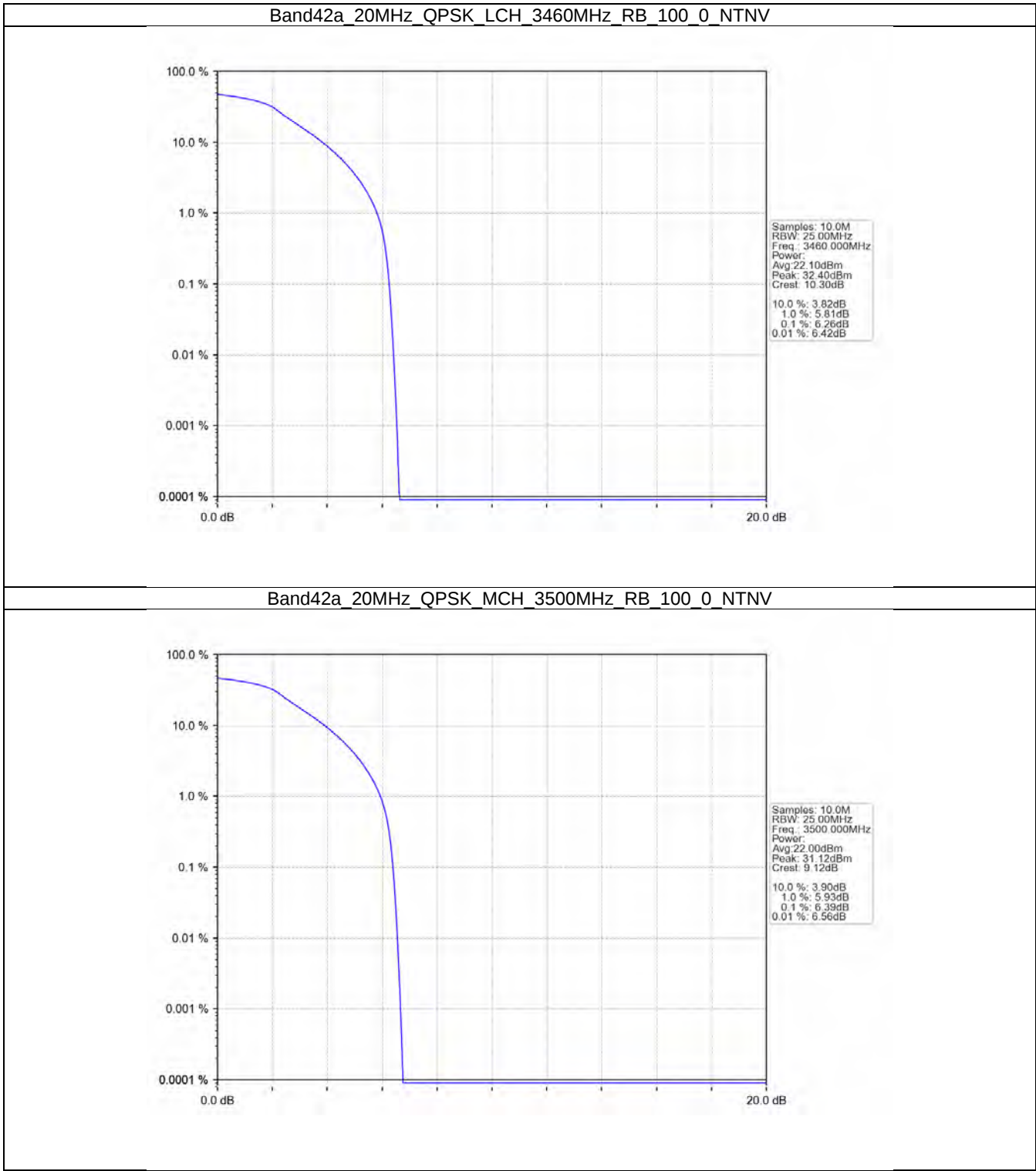
Band42a 15MHz 256QAM MCH 3500MHz RB 75 0 NTNV



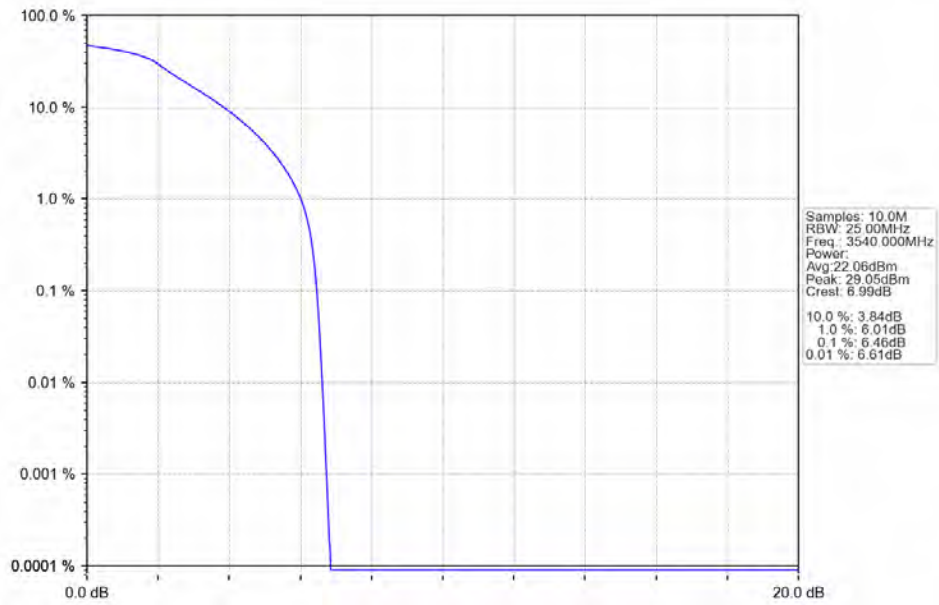
Band42a 15MHz 256QAM HCH 3542.5MHz RB 75 0 NTNV



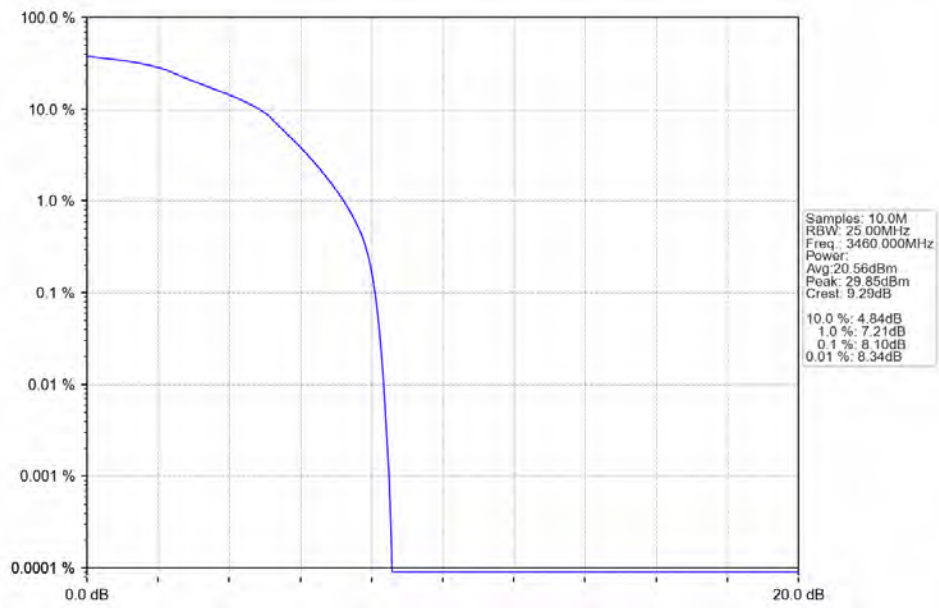
5.2.4 B42a_20MHz



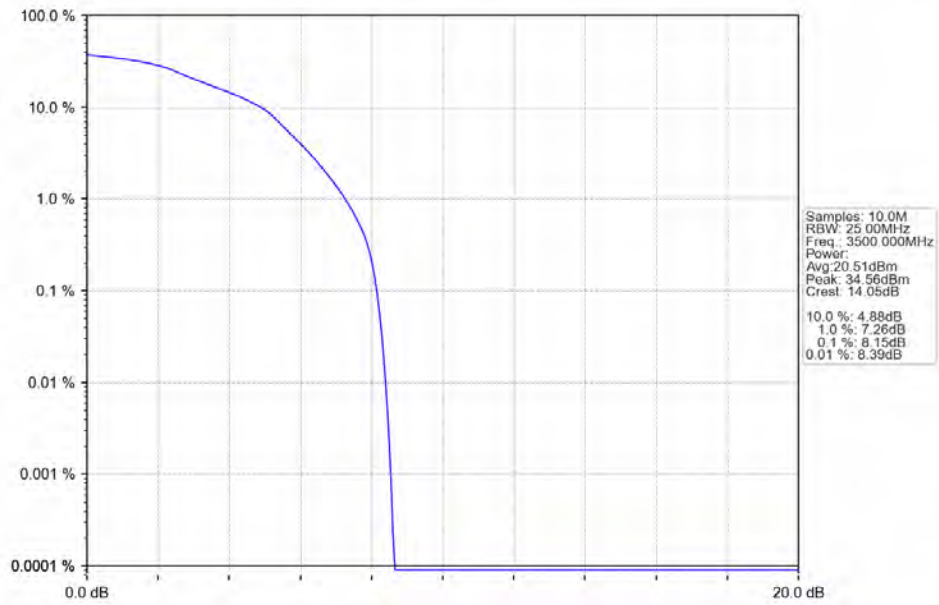
Band42a 20MHz QPSK HCH 3540MHz RB 100 0 NTNV



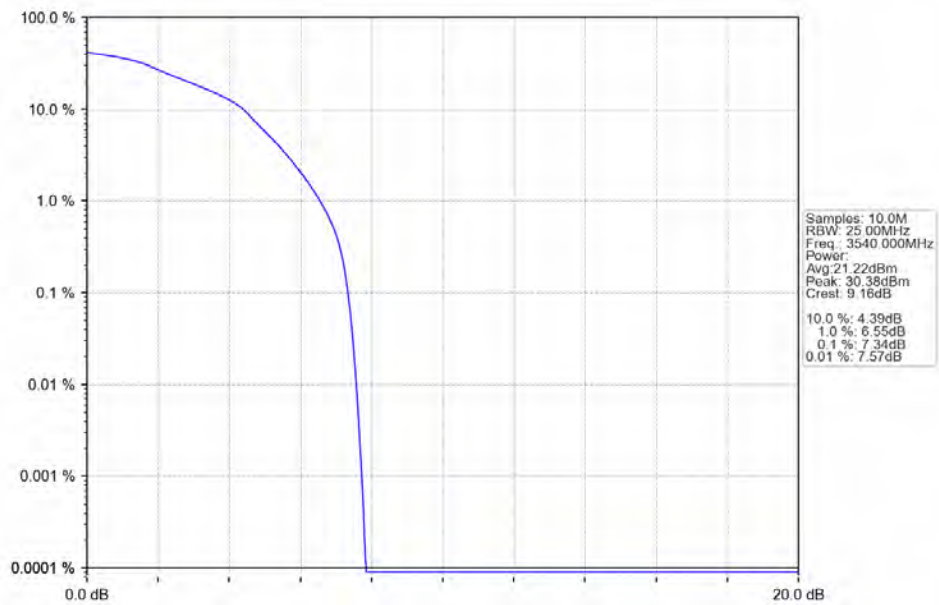
Band42a 20MHz 16QAM LCH 3460MHz RB 100 0 NTNV



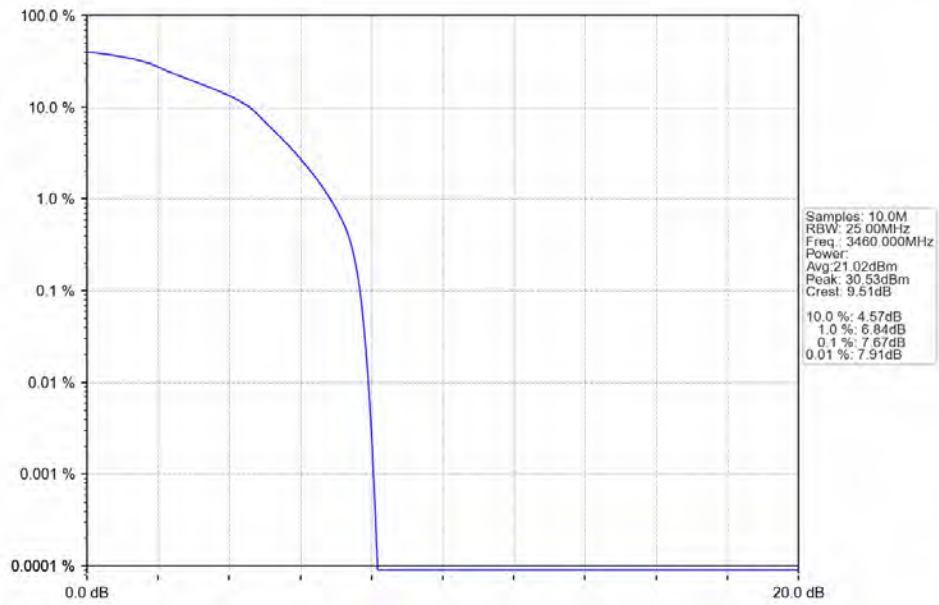
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTNV



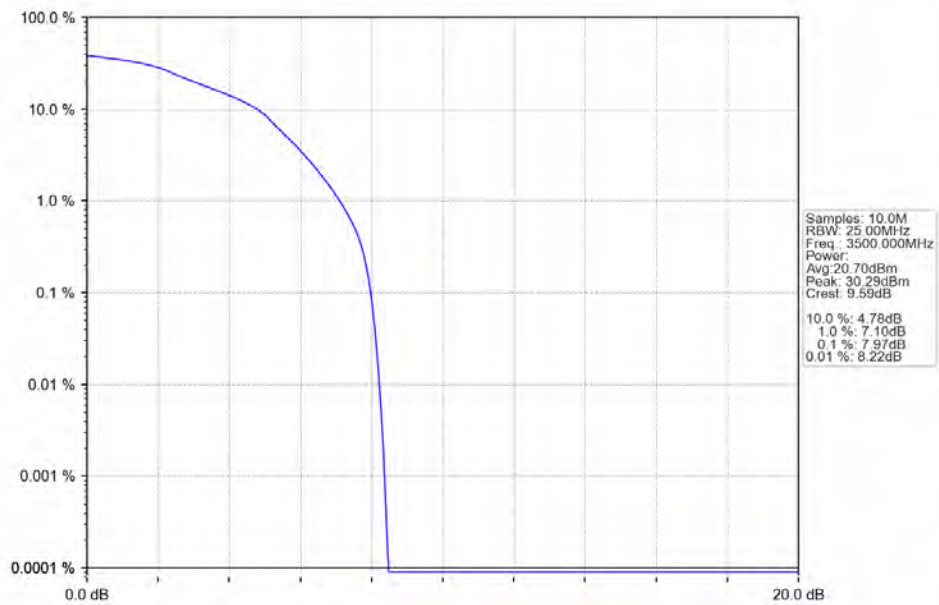
Band42a 20MHz 16QAM HCH 3540MHz RB 100 0 NTNV



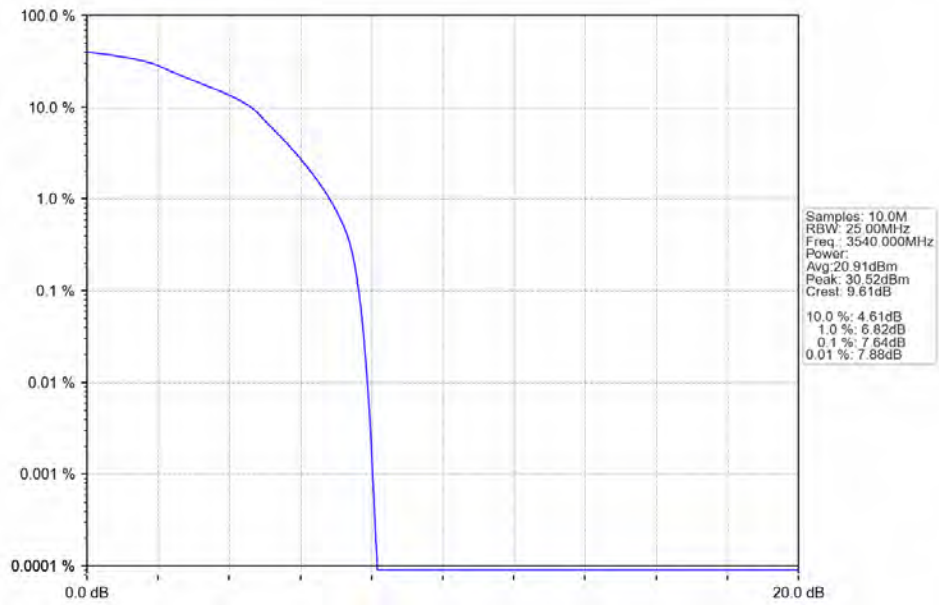
Band42a 20MHz 64QAM LCH 3460MHz RB 100 0 NTNV



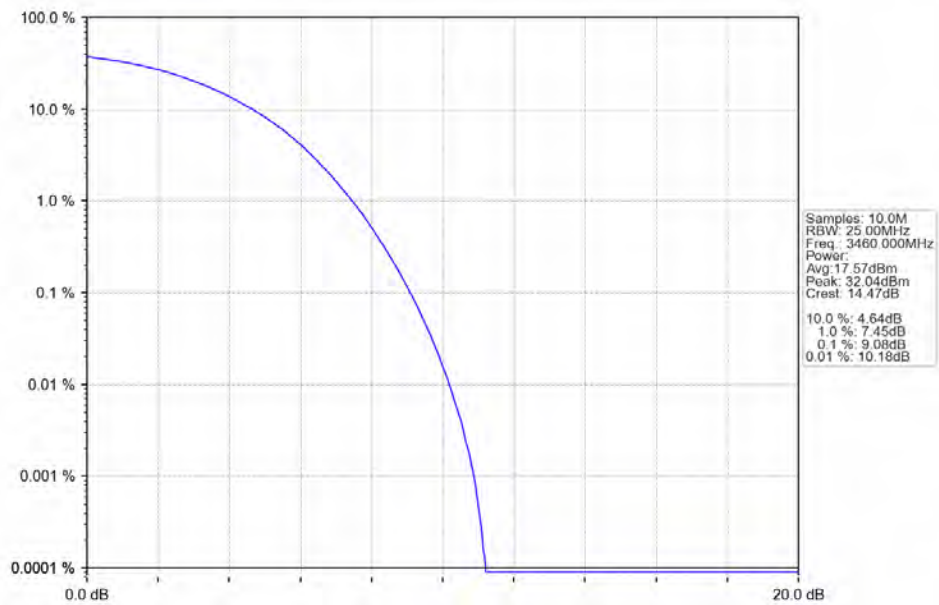
Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTNV



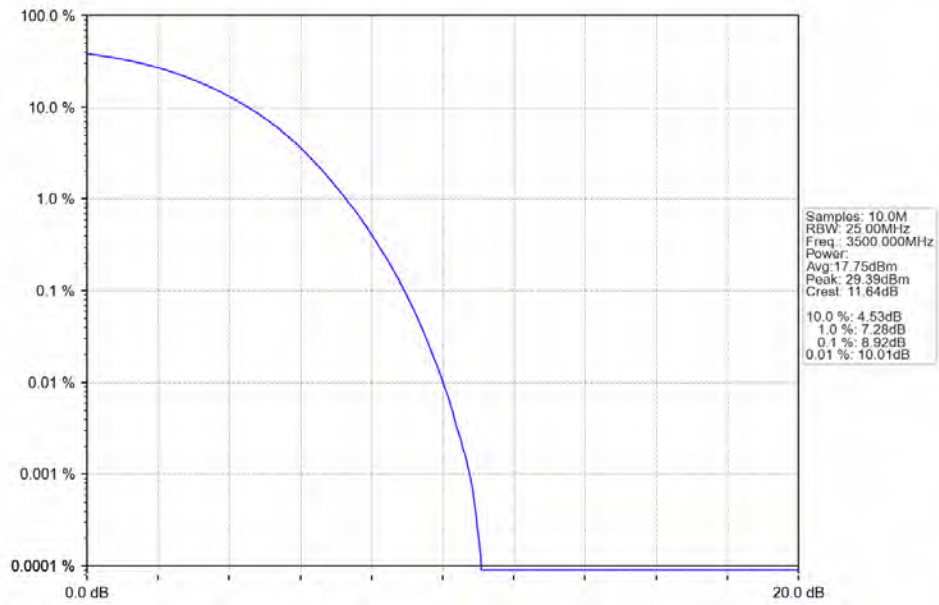
Band42a 20MHz 64QAM HCH 3540MHz RB 100 0 NTNV



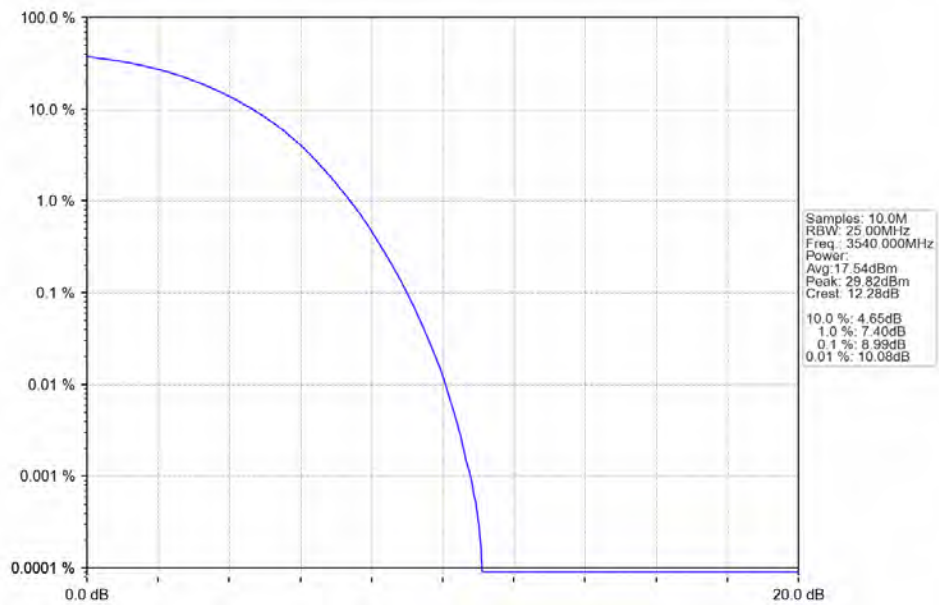
Band42a 20MHz 256QAM LCH 3460MHz RB 100 0 NTNV



Band42a 20MHz 256QAM MCH 3500MHz RB 100 0 NTV



Band42a 20MHz 256QAM HCH 3540MHz RB 100 0 NTV



6. Spurious Emission

6.1 Test Result

6.1.1 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
16QAM	3452.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3547.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	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
256QAM	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

6.1.2 B42a_10MHz

Band: 42a / Bandwidth: 10MHz / NTVN						
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
16QAM	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
64QAM	3455	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass

256QAM	3545	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3455	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3500	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

6.1.3 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
16QAM	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
64QAM	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
256QAM	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

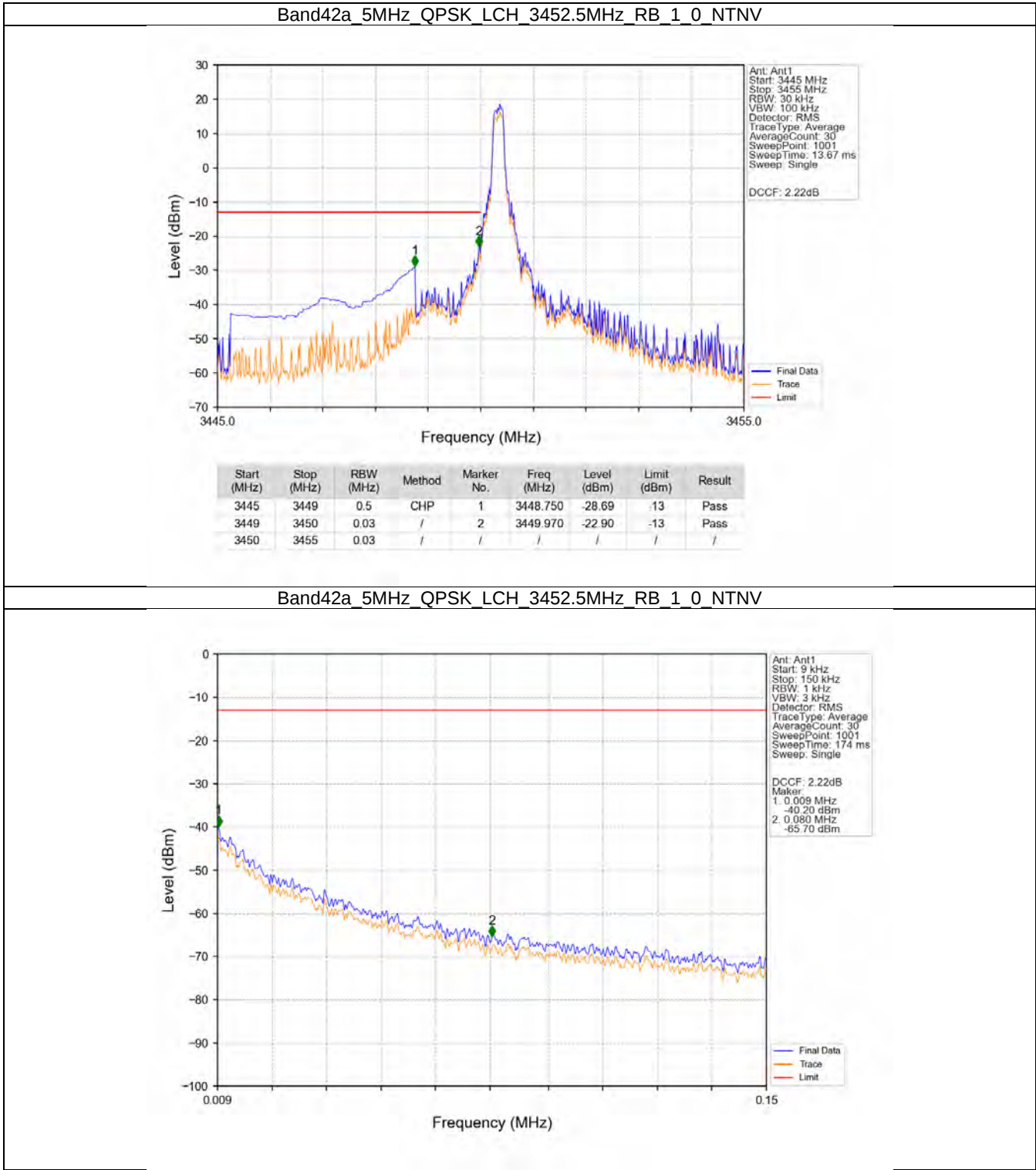
6.1.4 B42a_20MHz

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
16QAM	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

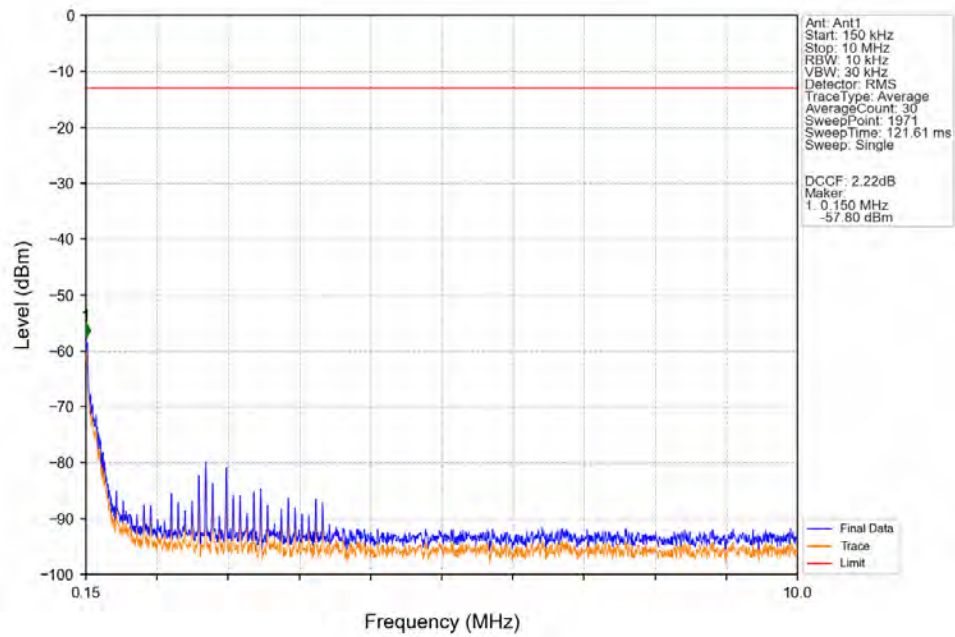
		100	0	Refer To Test Graph	Pass
64QAM	3460	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3500	1	0	Refer To Test Graph	Pass
	3540	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
256QAM	3460	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test 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

6.2 Test Graph

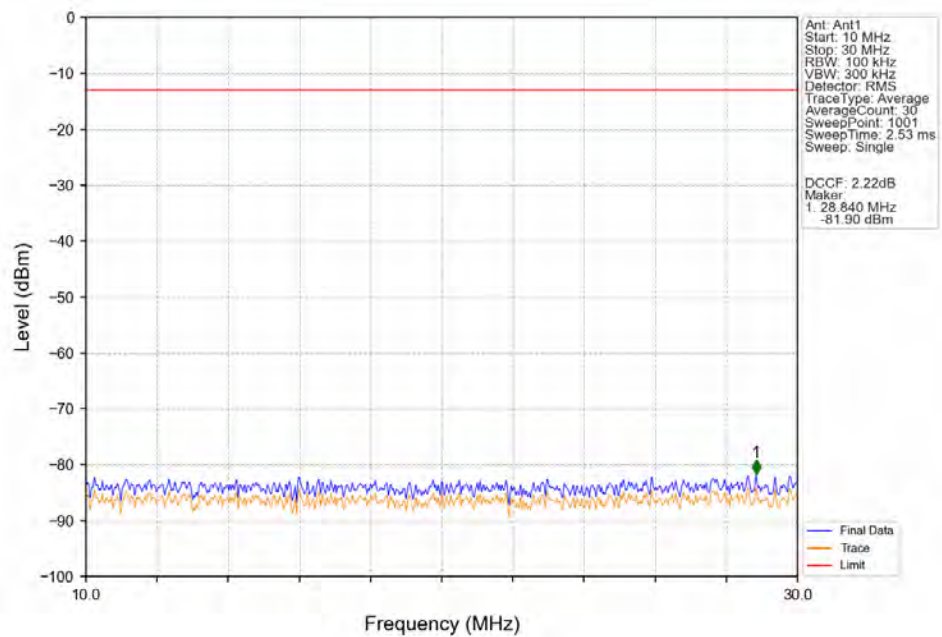
6.2.1 B42a_5MHz



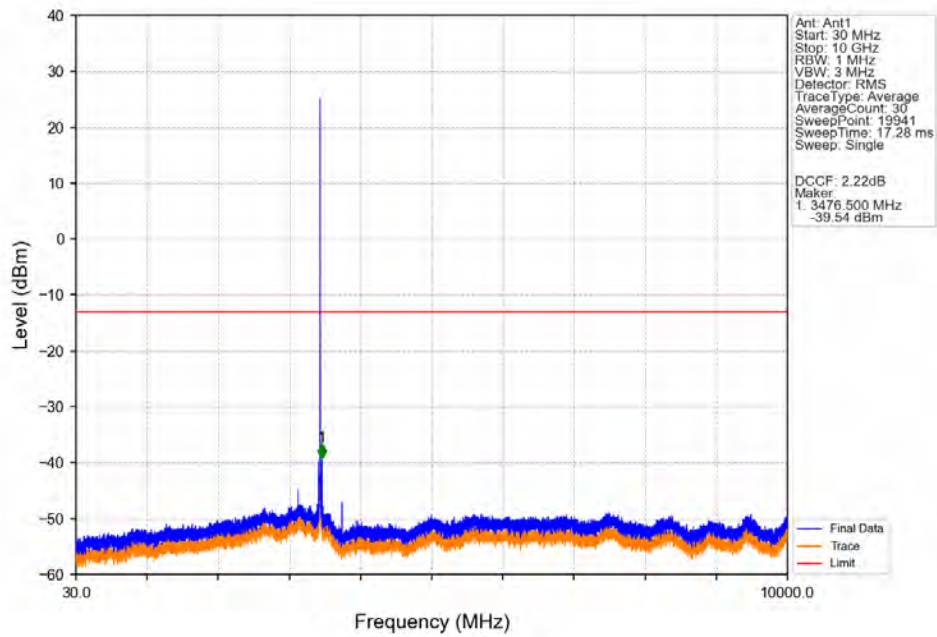
Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV



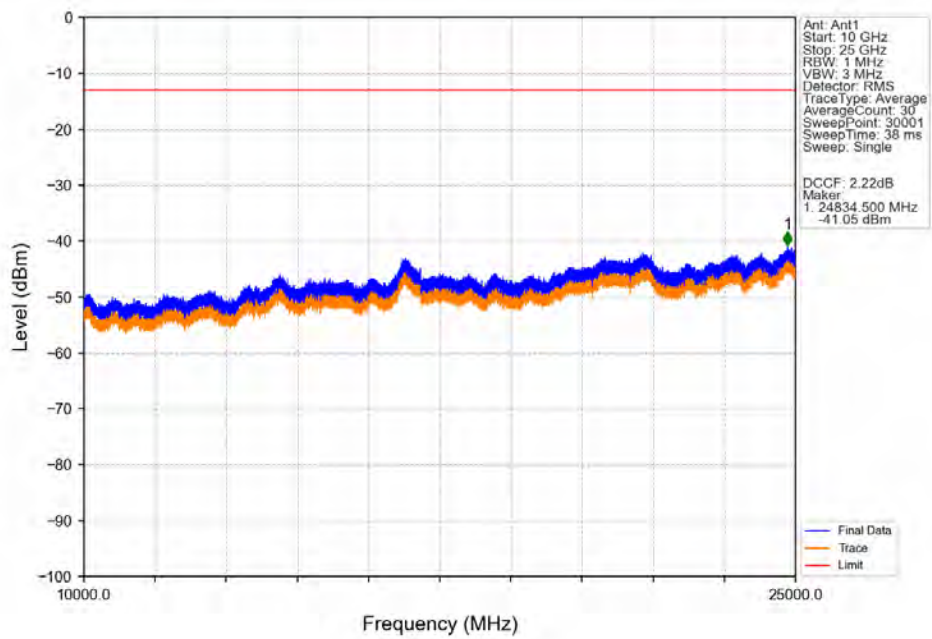
Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV



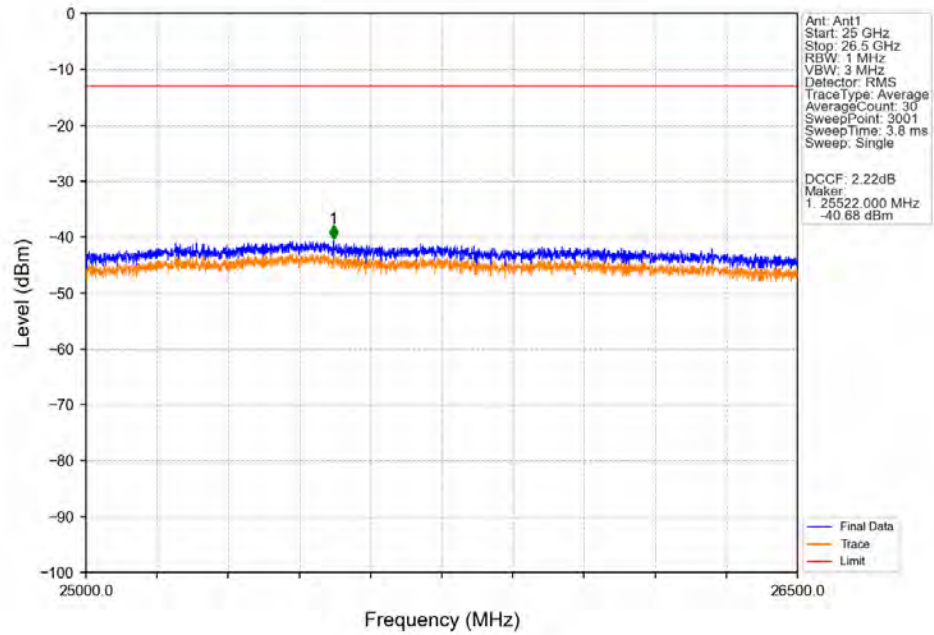
Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV



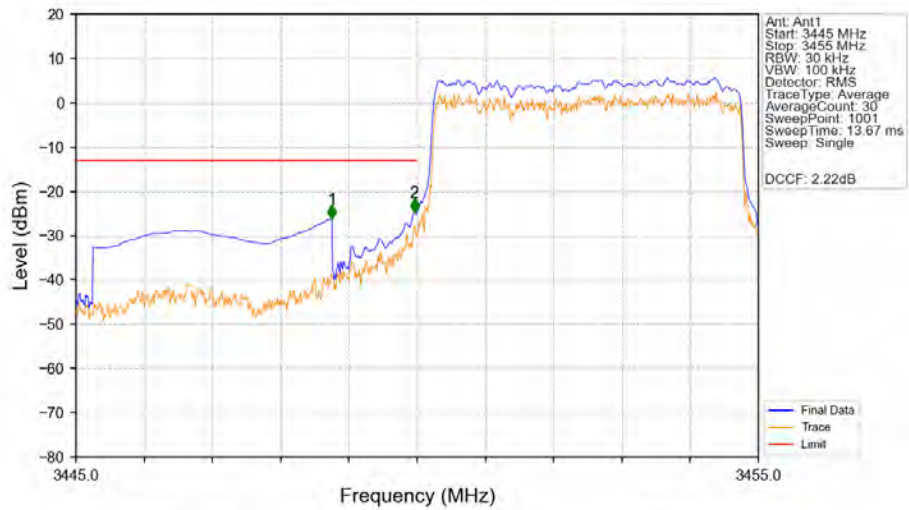
Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV



Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV

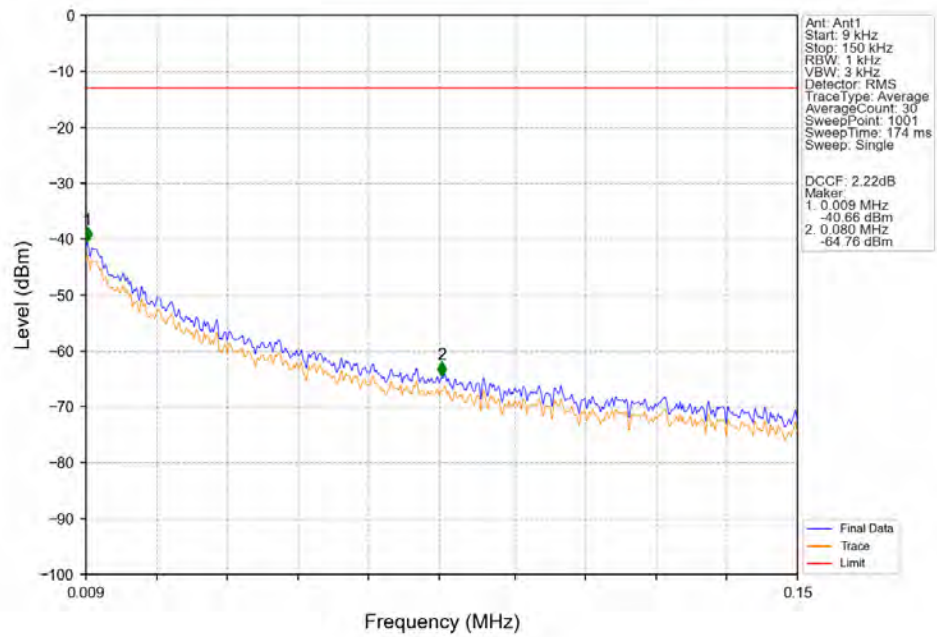


Band42a 5MHz QPSK LCH 3452.5MHz RB 25 0 NTNV

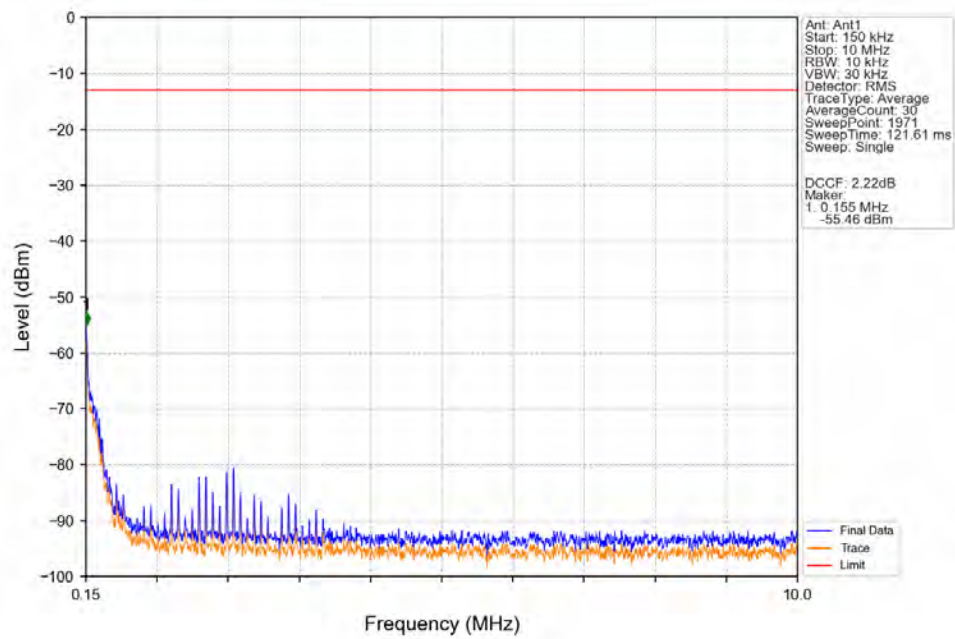


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	CHP	1	3448.750	-26.20	-13	Pass
3449	3450	0.052	CHP	2	3449.960	-24.72	-13	Pass
3450	3455	0.052	CHP	/	/	/	/	/

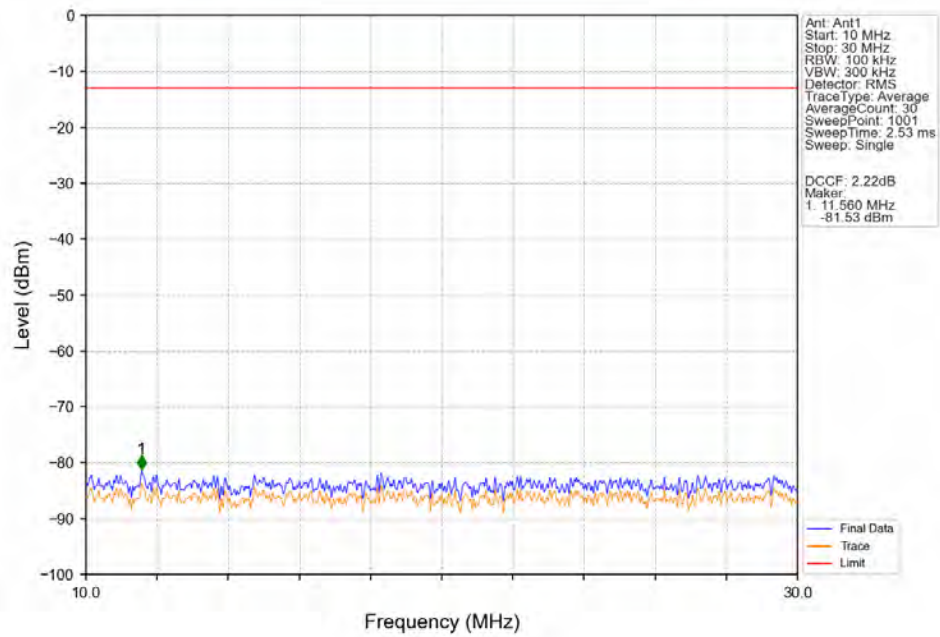
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



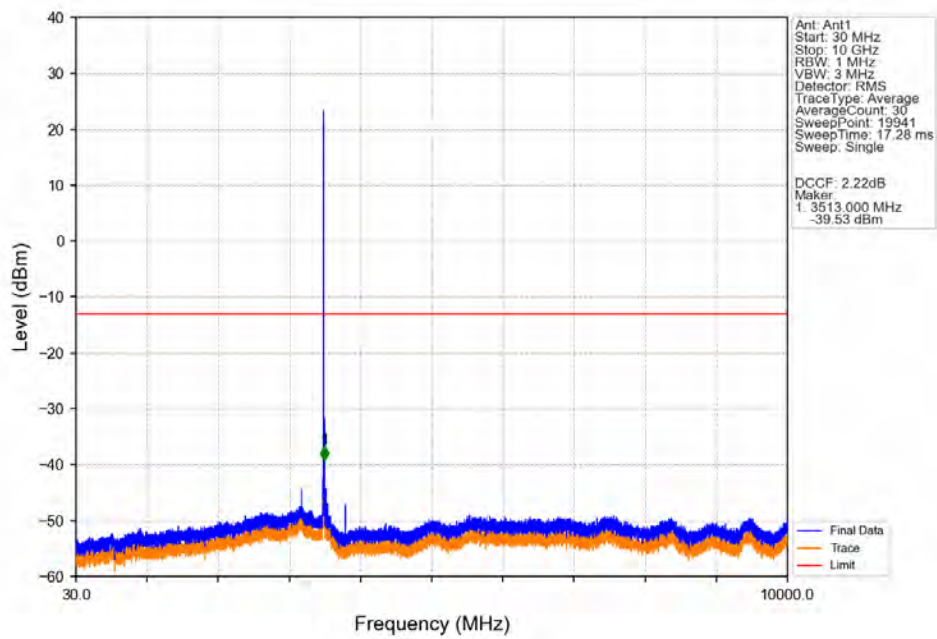
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



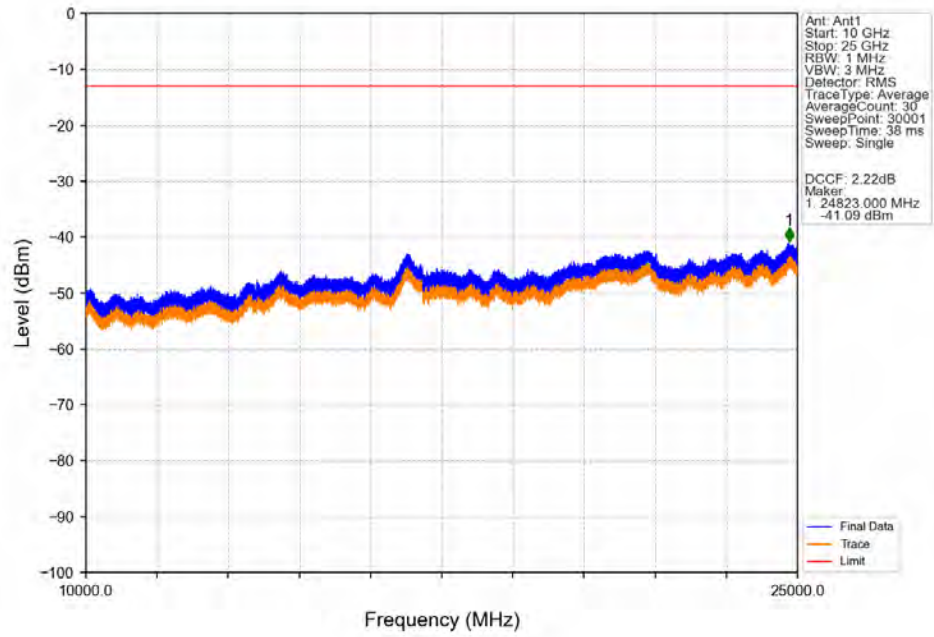
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



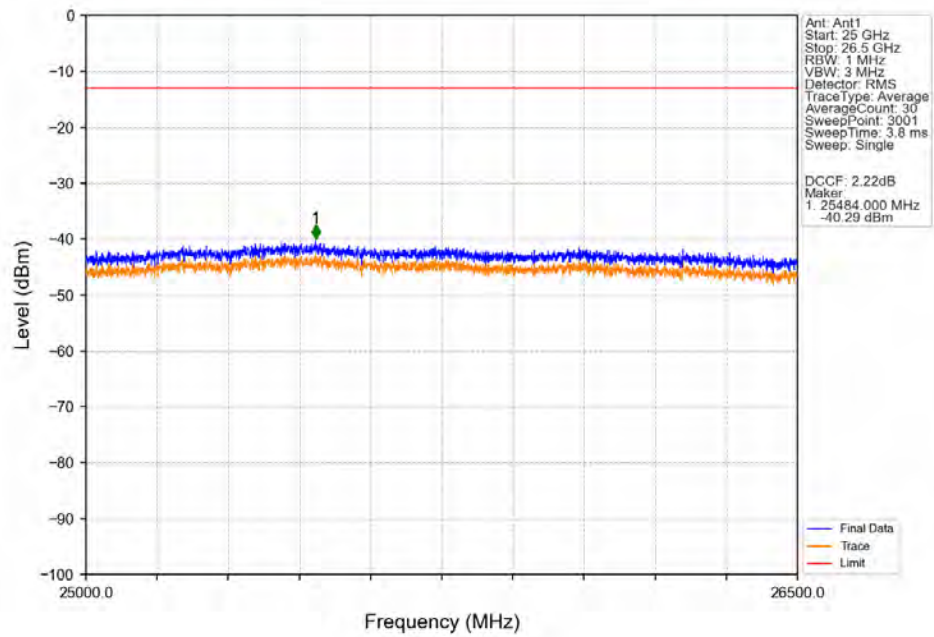
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



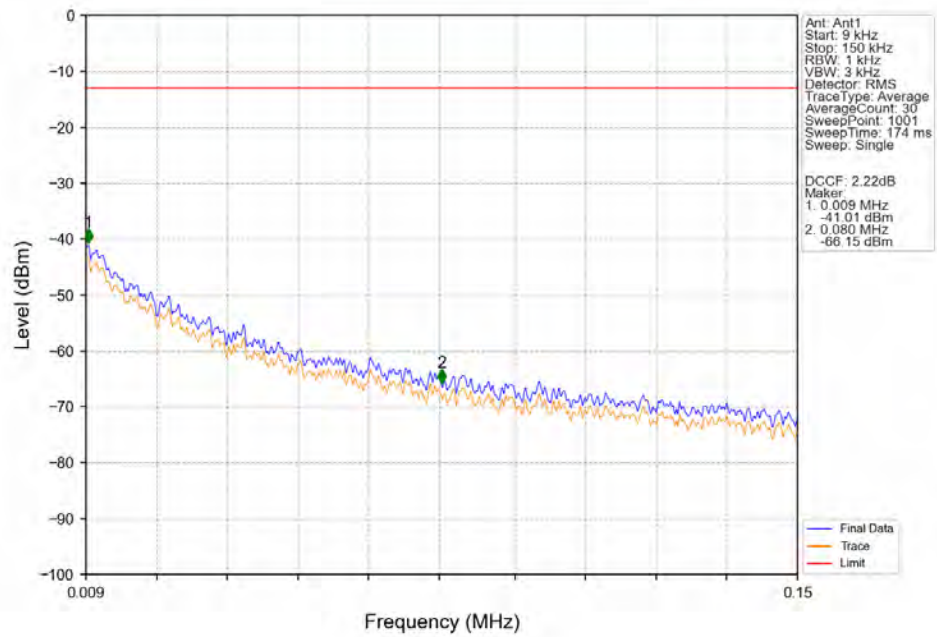
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTN



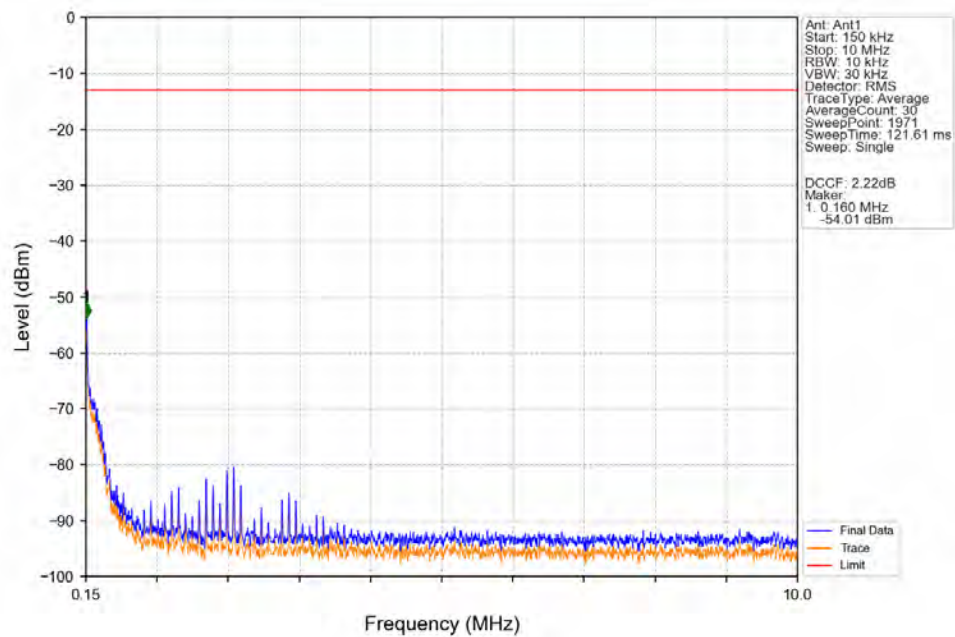
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTN



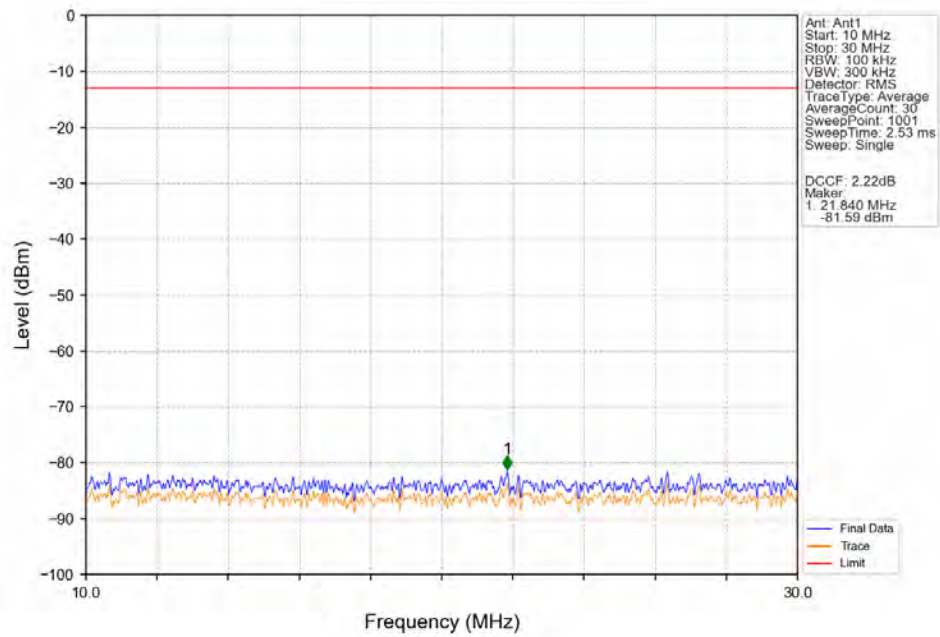
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV



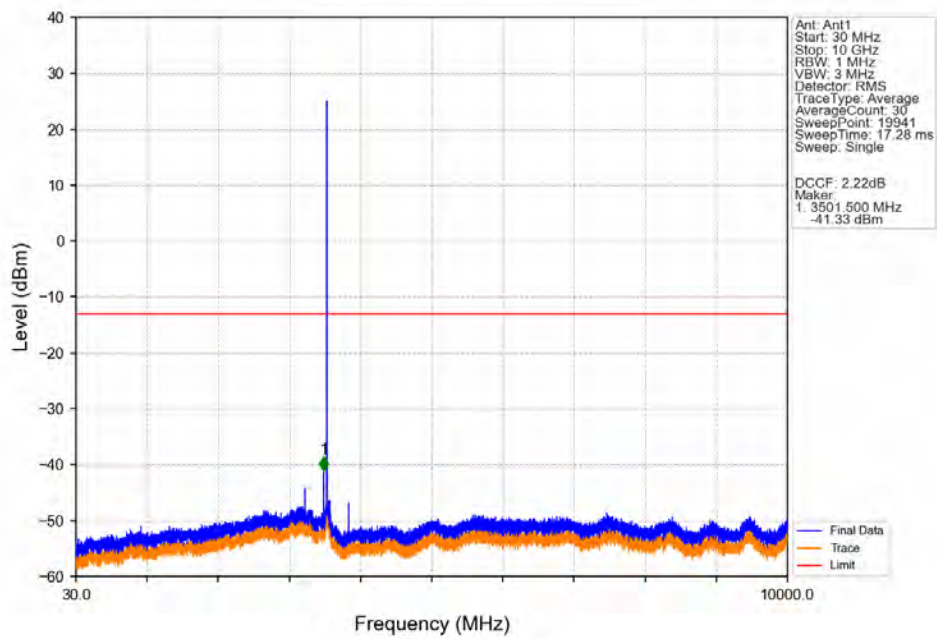
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV



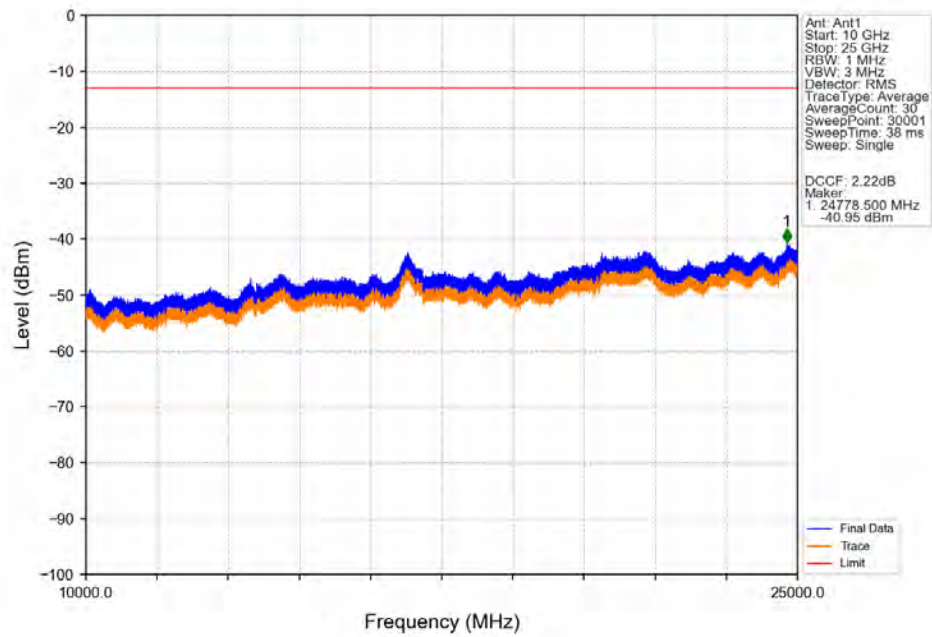
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV



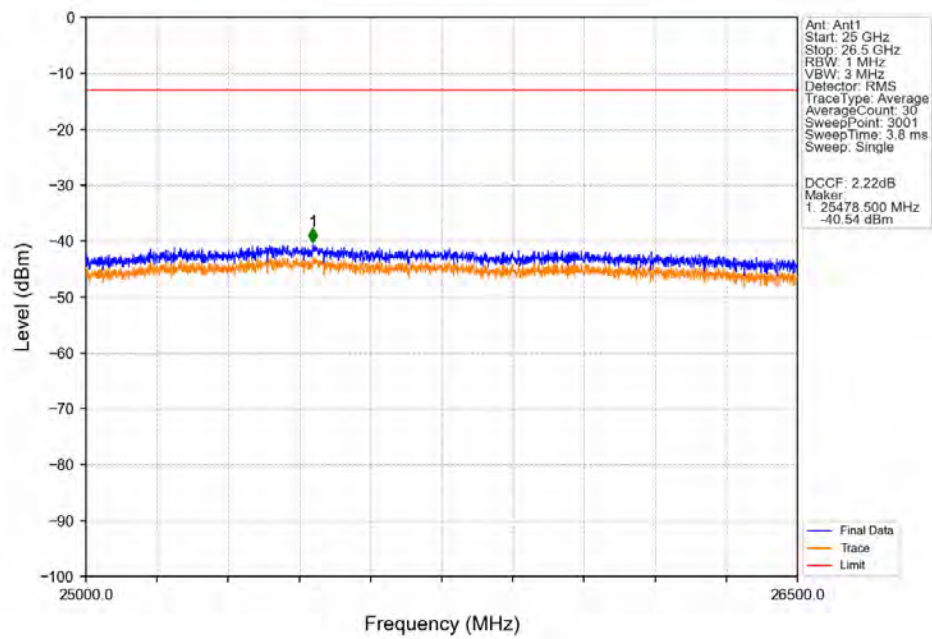
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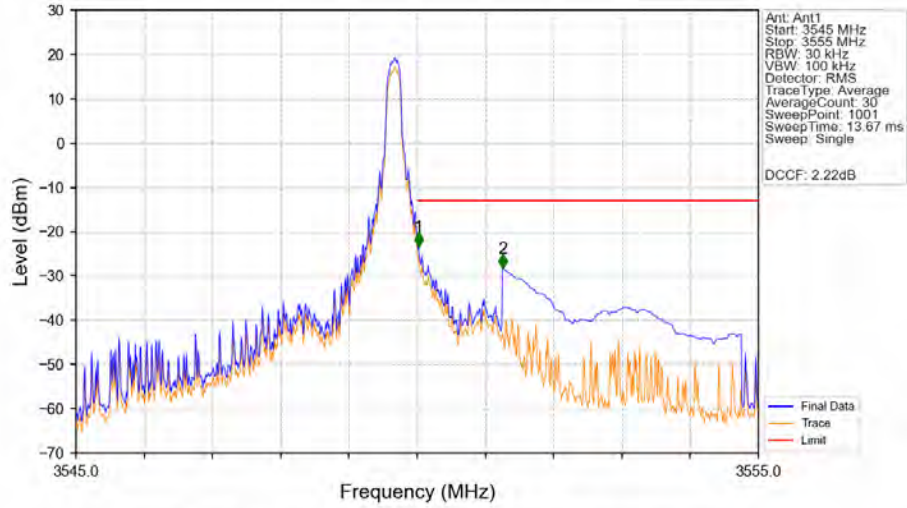
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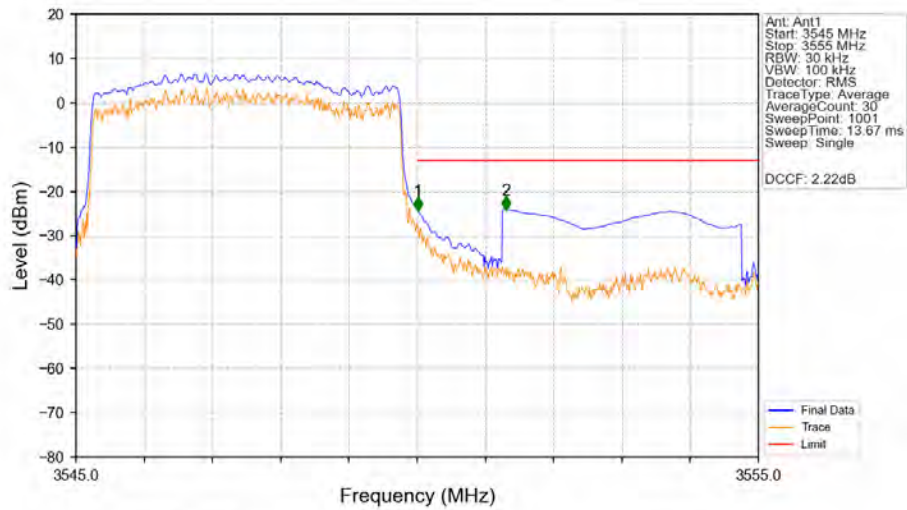
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV



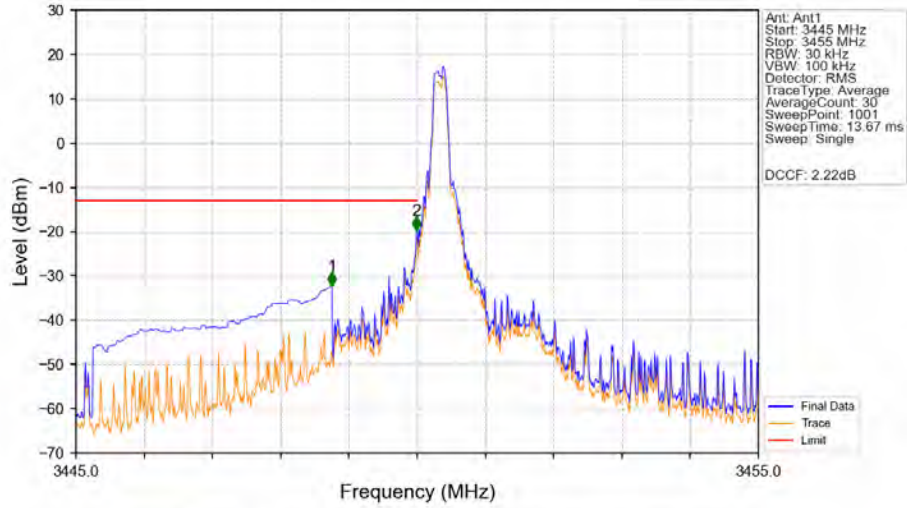
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 24 NTNV



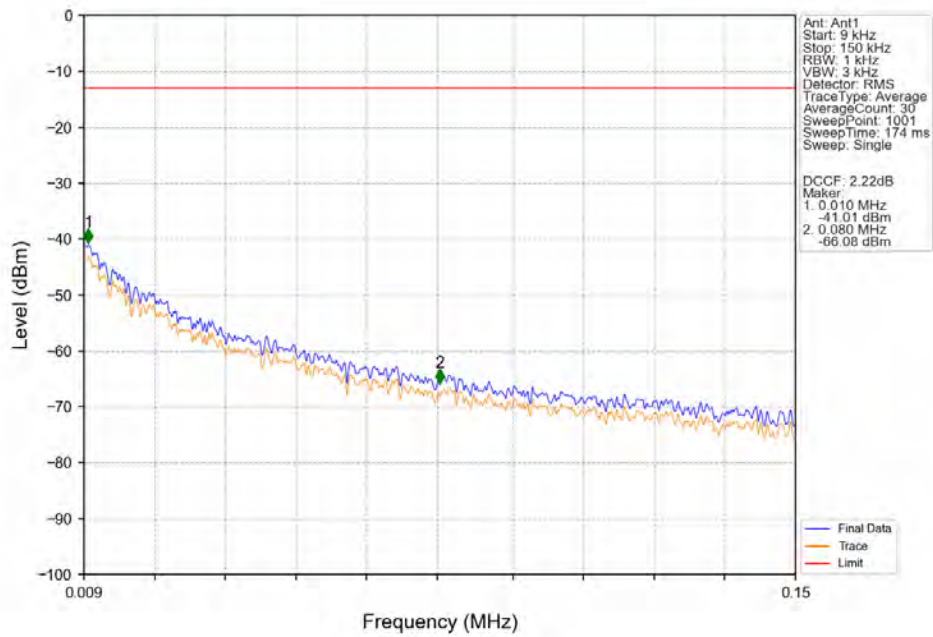
Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTNV



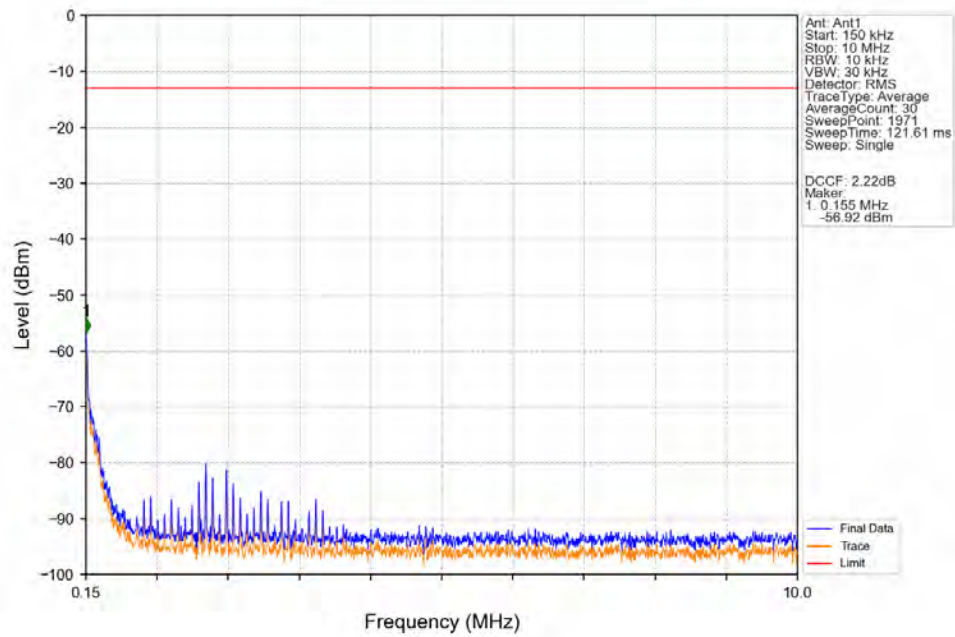
Band42a 5MHz 16QAM LCH 3452.5MHz RB 1 0 NTNV



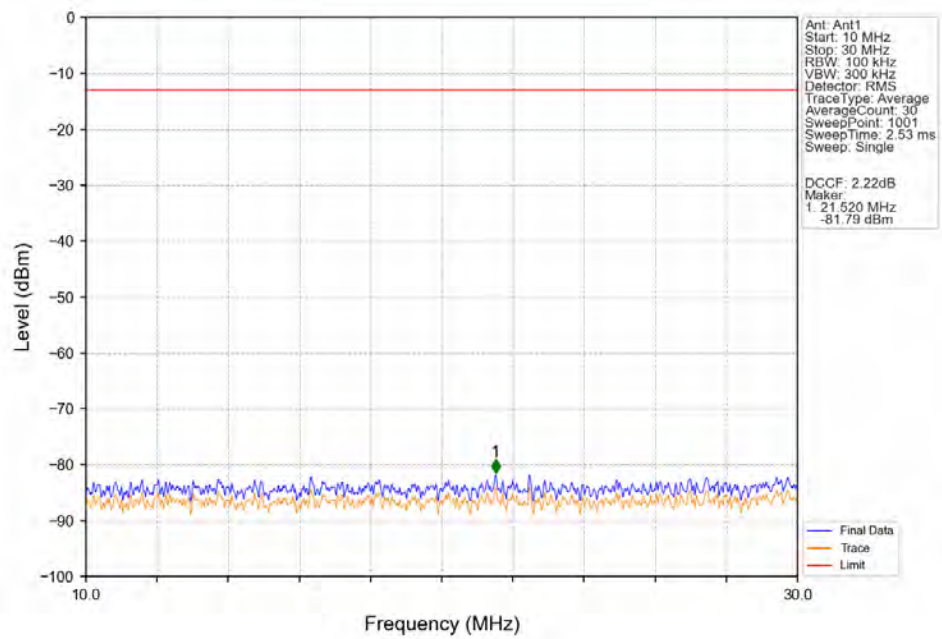
Band42a 5MHz 16QAM LCH 3452.5MHz RB 1 0 NTNV



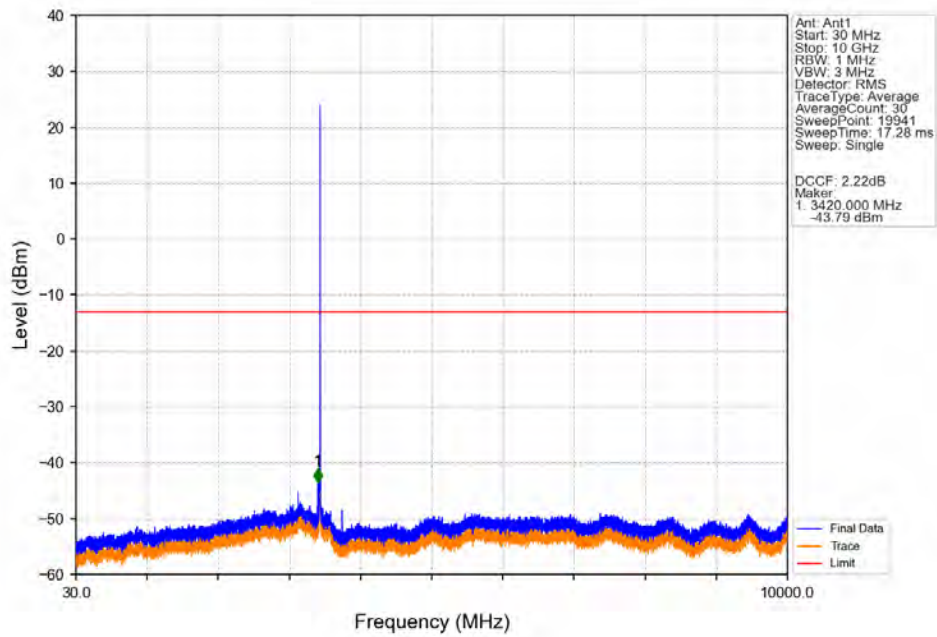
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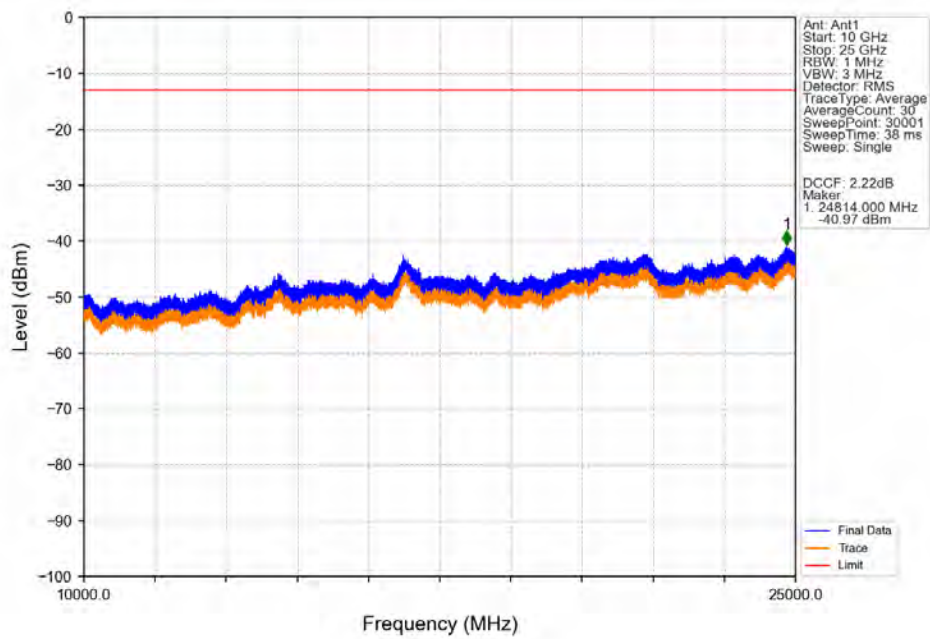
Band42a 5MHz 16QAM LCH 3452.5MHz RB 1 0 NTNV



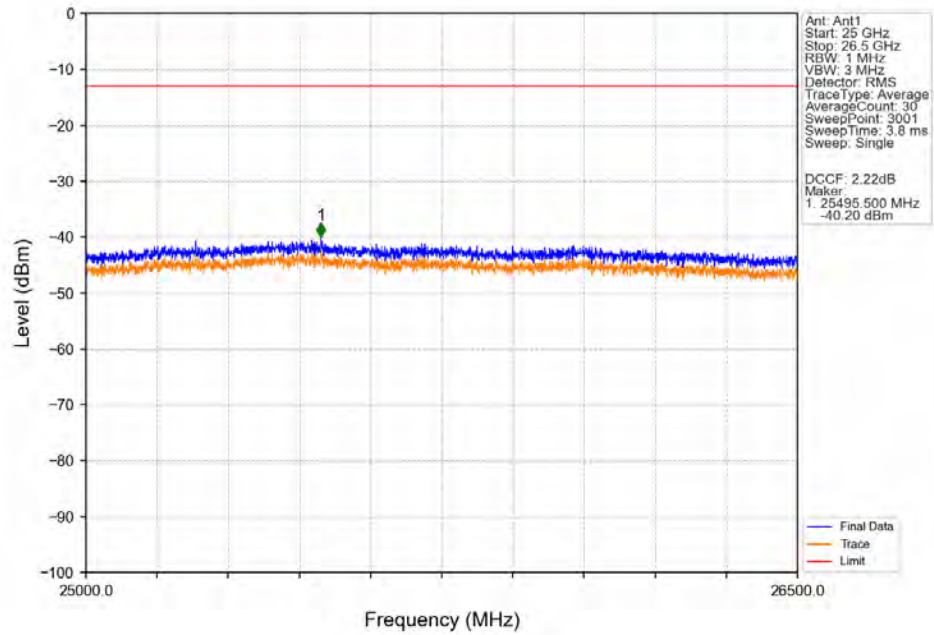
Band42a 5MHz 16QAM LCH 3452.5MHz RB 1 0 NTNV



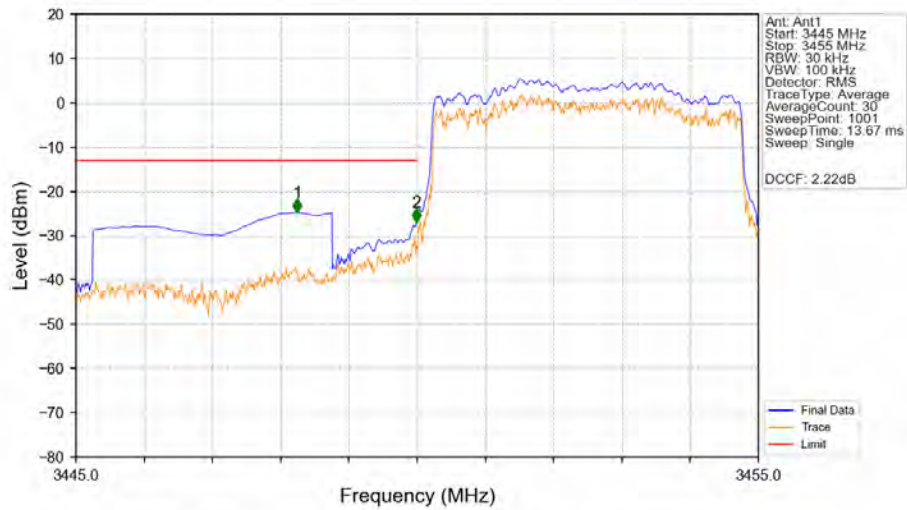
Band42a 5MHz 16QAM LCH 3452.5MHz RB 1 0 NTNV



Band42a 5MHz 16QAM LCH 3452.5MHz RB 1 0 NTNV

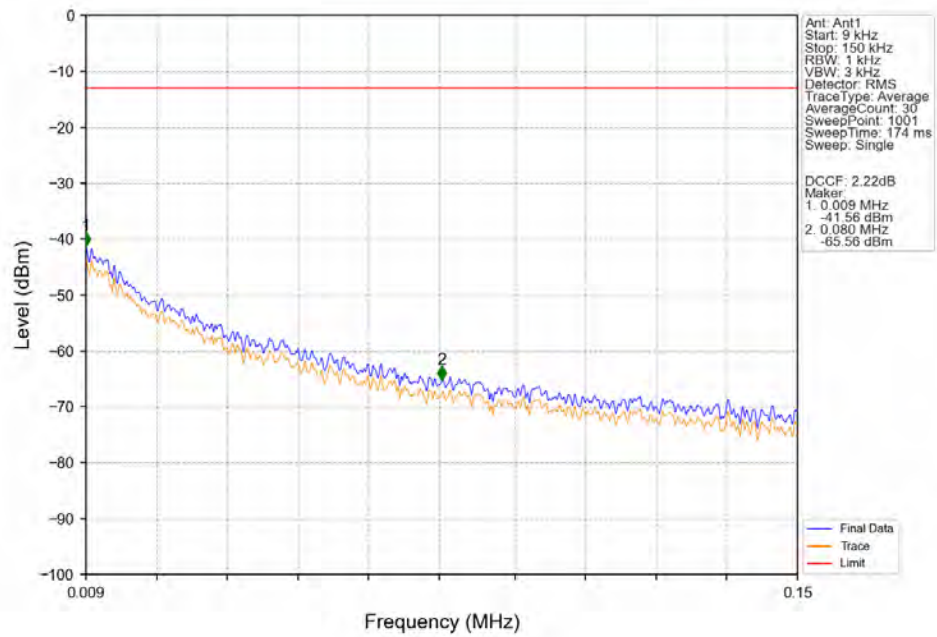


Band42a 5MHz 16QAM LCH 3452.5MHz RB 25 0 NTNV

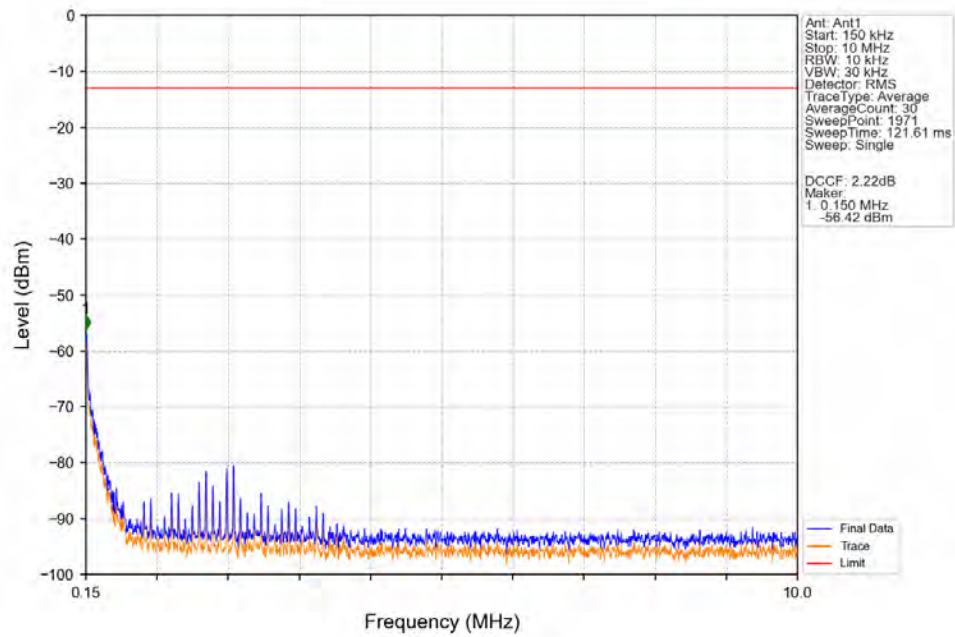


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3445	3449	0.5	CHP	1	3448.240	-24.74	-13	Pass
3449	3450	0.052	CHP	2	3449.990	-26.95	-13	Pass
3450	3455	0.052	CHP	/	/	/	/	/

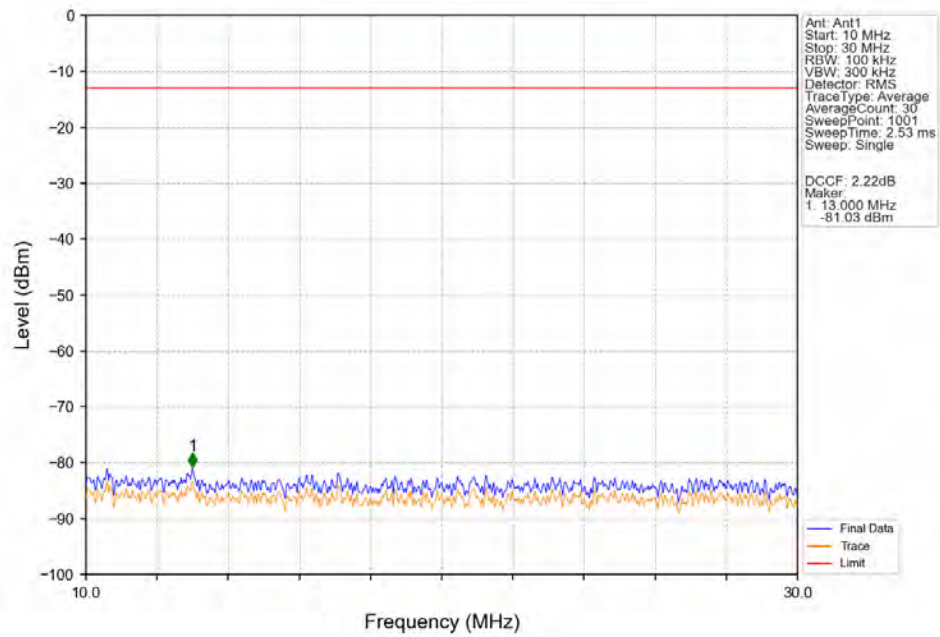
Band42a 5MHz 16QAM MCH 3500MHz RB 1 0 NTNV



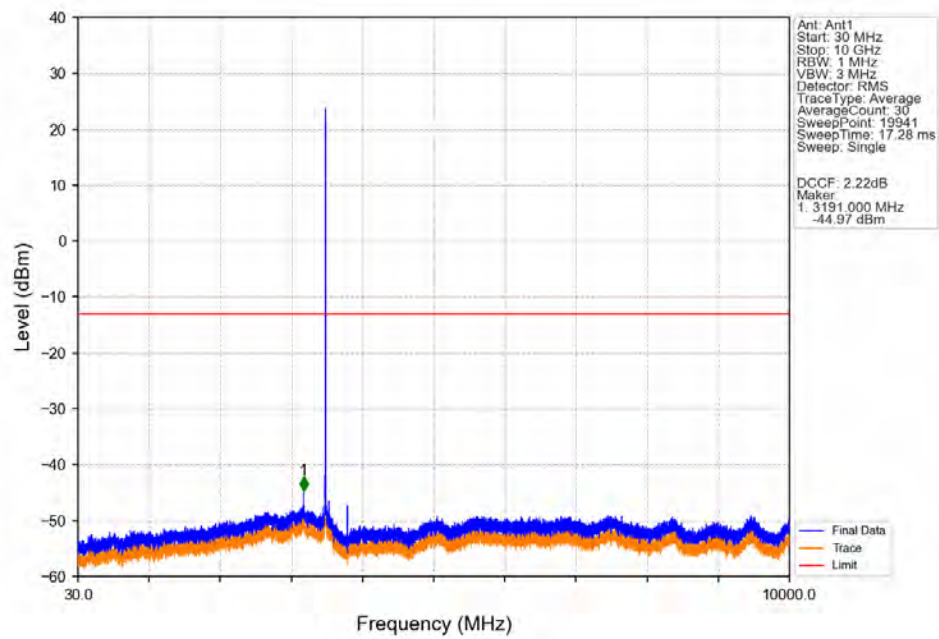
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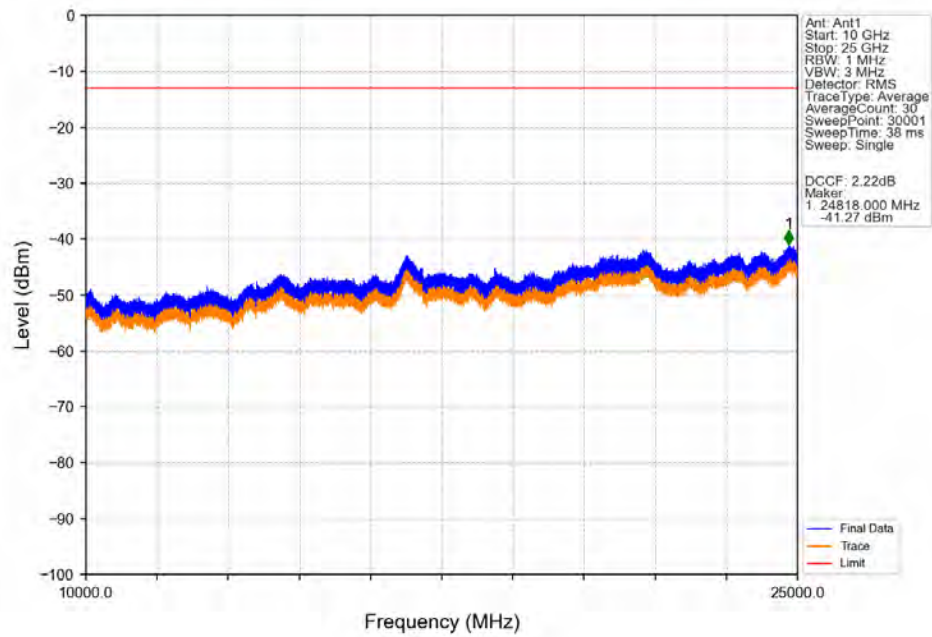
Band42a 5MHz 16QAM MCH 3500MHz RB 1 0 NTNV



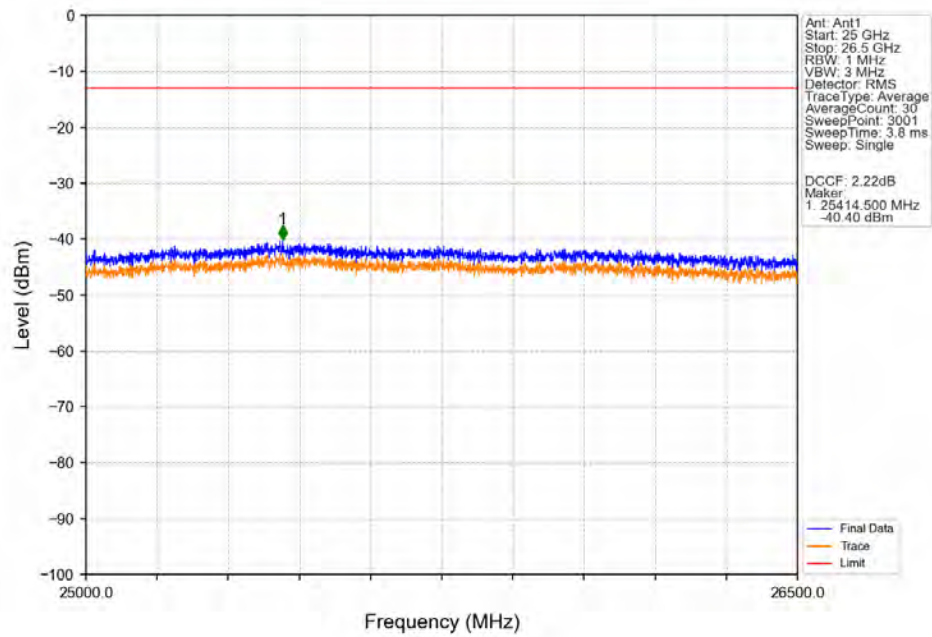
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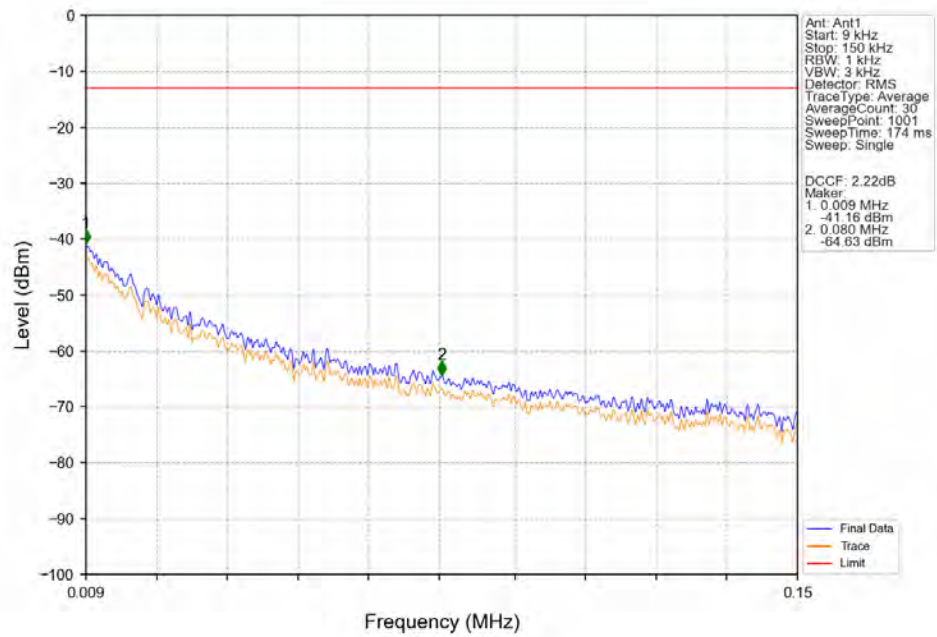
Band42a 5MHz 16QAM MCH 3500MHz RB 1 0 NTNV



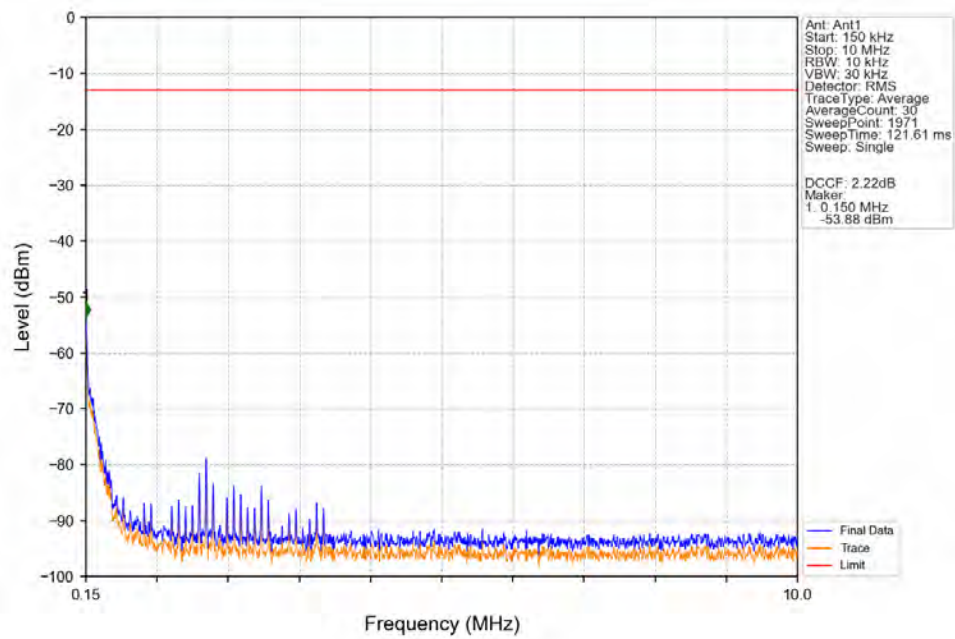
Band42a 5MHz 16QAM MCH 3500MHz RB 1 0 NTNV



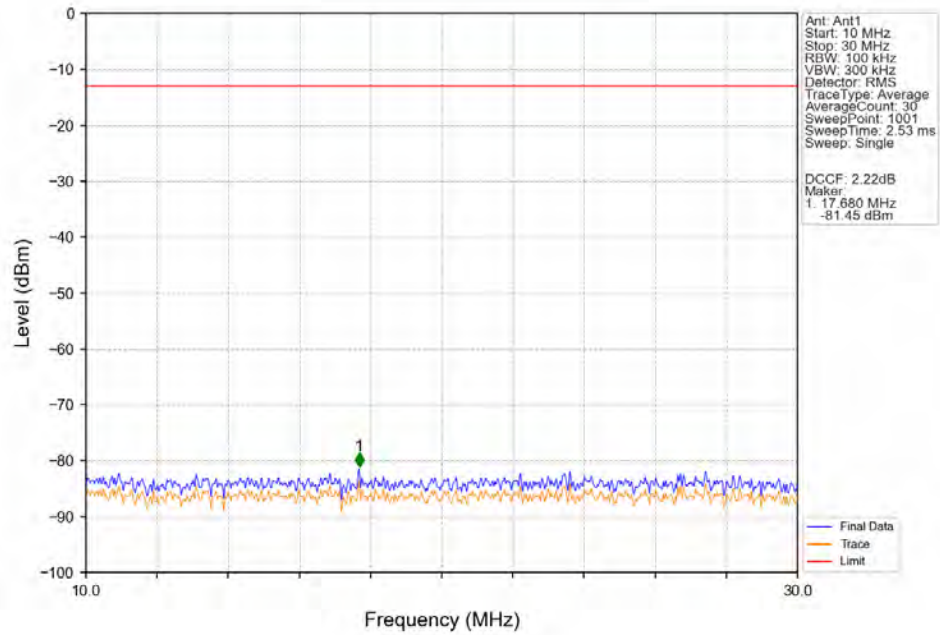
Band42a 5MHz 16QAM HCH 3547.5MHz RB 1 0 NTV



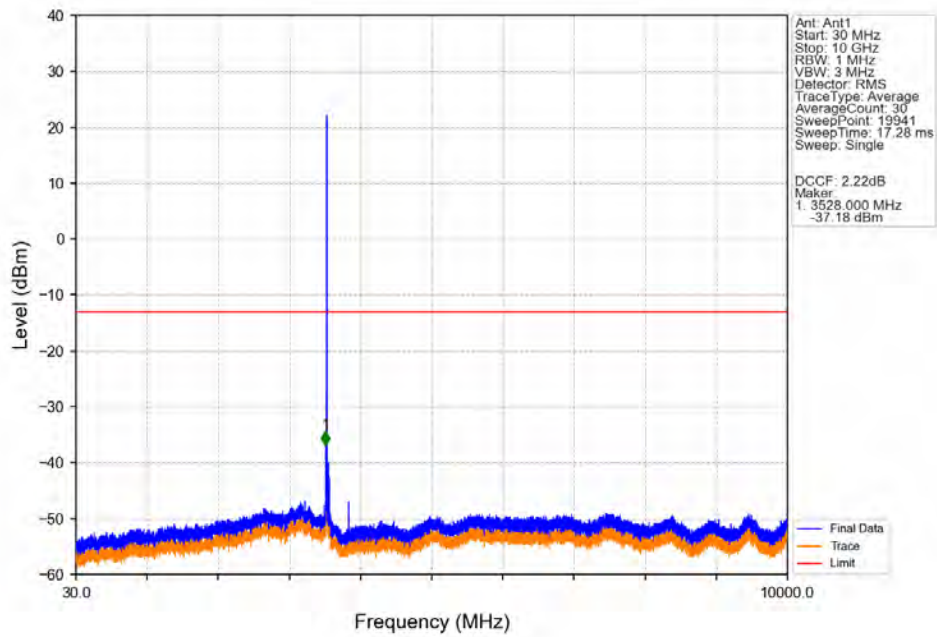
Band42a 5MHz 16QAM HCH 3547.5MHz RB 1 0 NTV



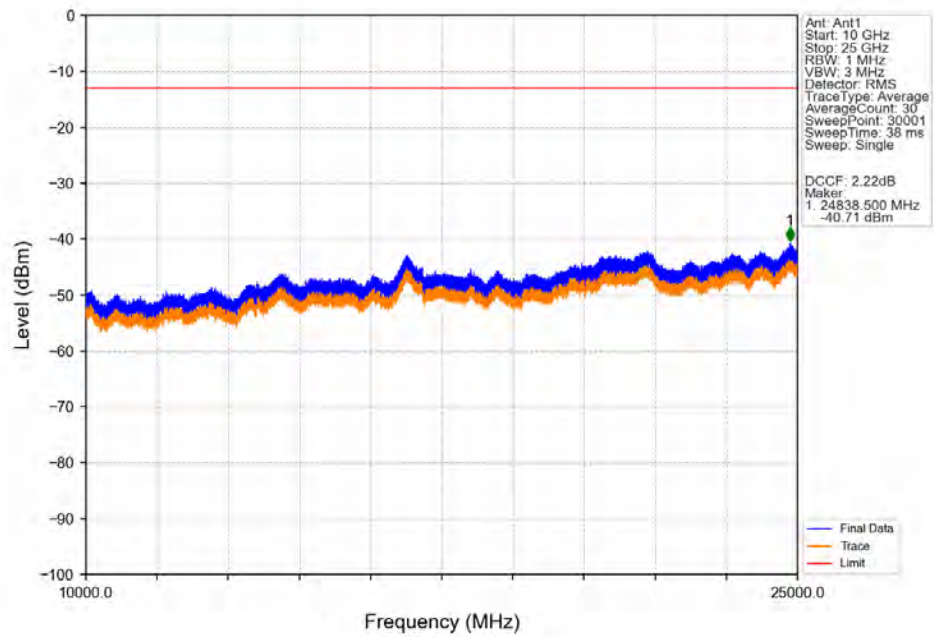
Band42a 5MHz 16QAM HCH 3547.5MHz RB 1 0 NTNV



Band42a 5MHz 16QAM HCH 3547.5MHz RB 1 0 NTNV



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