

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B42a_5MHz_EIRP

Band: 42a / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3452.5	1	0	23.60	3.10	26.70	<=30	Pass
			13	23.46	3.10	26.56	<=30	Pass
			24	23.53	3.10	26.63	<=30	Pass
		12	0	22.44	3.10	25.54	<=30	Pass
			6	22.44	3.10	25.54	<=30	Pass
			13	22.47	3.10	25.57	<=30	Pass
		25	0	22.46	3.10	25.56	<=30	Pass
	3500	1	0	23.50	3.10	26.60	<=30	Pass
			13	23.45	3.10	26.55	<=30	Pass
			24	23.52	3.10	26.62	<=30	Pass
		12	0	22.37	3.10	25.47	<=30	Pass
			6	22.37	3.10	25.47	<=30	Pass
			13	22.37	3.10	25.47	<=30	Pass
		25	0	22.42	3.10	25.52	<=30	Pass
	3547.5	1	0	23.54	3.10	26.64	<=30	Pass
			13	23.47	3.10	26.57	<=30	Pass
			24	23.56	3.10	26.66	<=30	Pass
		12	0	22.36	3.10	25.46	<=30	Pass
			6	22.39	3.10	25.49	<=30	Pass
			13	22.45	3.10	25.55	<=30	Pass
		25	0	22.45	3.10	25.55	<=30	Pass
16QAM	3452.5	1	0	22.54	3.10	25.64	<=30	Pass
			13	22.69	3.10	25.79	<=30	Pass
			24	22.68	3.10	25.78	<=30	Pass
		12	0	21.41	3.10	24.51	<=30	Pass
			6	21.45	3.10	24.55	<=30	Pass
			13	21.39	3.10	24.49	<=30	Pass
		25	0	21.14	3.10	24.24	<=30	Pass
	3500	1	0	22.34	3.10	25.44	<=30	Pass
			13	22.66	3.10	25.76	<=30	Pass
			24	22.75	3.10	25.85	<=30	Pass
		12	0	21.19	3.10	24.29	<=30	Pass
			6	21.30	3.10	24.40	<=30	Pass
			13	21.21	3.10	24.31	<=30	Pass
		25	0	21.39	3.10	24.49	<=30	Pass
	3547.5	1	0	22.76	3.10	25.86	<=30	Pass
			13	22.67	3.10	25.77	<=30	Pass
			24	22.73	3.10	25.83	<=30	Pass
		12	0	21.21	3.10	24.31	<=30	Pass
			6	21.29	3.10	24.39	<=30	Pass
			13	21.29	3.10	24.39	<=30	Pass
		25	0	21.44	3.10	24.54	<=30	Pass
64QAM	3452.5	1	0	21.55	3.10	24.65	<=30	Pass
			13	21.38	3.10	24.48	<=30	Pass
			24	21.49	3.10	24.59	<=30	Pass
		12	0	20.85	3.10	23.95	<=30	Pass
			6	20.86	3.10	23.96	<=30	Pass
			13	20.80	3.10	23.90	<=30	Pass
		25	0	20.81	3.10	23.91	<=30	Pass

	3500	1	0	21.41	3.10	24.51	<=30	Pass
			13	21.36	3.10	24.46	<=30	Pass
			24	21.45	3.10	24.55	<=30	Pass
		12	0	20.75	3.10	23.85	<=30	Pass
			6	20.77	3.10	23.87	<=30	Pass
			13	20.78	3.10	23.88	<=30	Pass
		25	0	20.77	3.10	23.87	<=30	Pass
	3547.5	1	0	21.46	3.10	24.56	<=30	Pass
			13	21.33	3.10	24.43	<=30	Pass
			24	21.42	3.10	24.52	<=30	Pass
		12	0	20.78	3.10	23.88	<=30	Pass
			6	20.79	3.10	23.89	<=30	Pass
			13	20.82	3.10	23.92	<=30	Pass
		25	0	20.85	3.10	23.95	<=30	Pass
256QAM	3452.5	1	0	18.79	3.10	21.89	<=30	Pass
			13	18.75	3.10	21.85	<=30	Pass
			24	18.74	3.10	21.84	<=30	Pass
		12	0	18.81	3.10	21.91	<=30	Pass
			6	18.83	3.10	21.93	<=30	Pass
			13	18.79	3.10	21.89	<=30	Pass
		25	0	18.48	3.10	21.58	<=30	Pass
	3500	1	0	18.66	3.10	21.76	<=30	Pass
			13	18.68	3.10	21.78	<=30	Pass
			24	18.70	3.10	21.80	<=30	Pass
		12	0	18.76	3.10	21.86	<=30	Pass
			6	18.72	3.10	21.82	<=30	Pass
			13	18.67	3.10	21.77	<=30	Pass
		25	0	18.68	3.10	21.78	<=30	Pass
	3547.5	1	0	18.77	3.10	21.87	<=30	Pass
			13	18.67	3.10	21.77	<=30	Pass
			24	18.68	3.10	21.78	<=30	Pass
		12	0	18.84	3.10	21.94	<=30	Pass
			6	18.75	3.10	21.85	<=30	Pass
			13	18.75	3.10	21.85	<=30	Pass
		25	0	18.63	3.10	21.73	<=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	23.56	3.10	26.66	<=30	Pass
			25	23.46	3.10	26.56	<=30	Pass
			49	23.45	3.10	26.55	<=30	Pass
		25	0	22.47	3.10	25.57	<=30	Pass
			13	22.46	3.10	25.56	<=30	Pass
			25	22.43	3.10	25.53	<=30	Pass
		50	0	22.45	3.10	25.55	<=30	Pass
	3500	1	0	23.41	3.10	26.51	<=30	Pass
			25	23.46	3.10	26.56	<=30	Pass
			49	23.53	3.10	26.63	<=30	Pass
		25	0	22.40	3.10	25.50	<=30	Pass
			13	22.41	3.10	25.51	<=30	Pass
			25	22.42	3.10	25.52	<=30	Pass
		50	0	22.41	3.10	25.51	<=30	Pass
	3545	1	0	23.48	3.10	26.58	<=30	Pass

			25	23.49	3.10	26.59	<=30	Pass		
			49	23.54	3.10	26.64	<=30	Pass		
			25	0	22.47	3.10	25.57	<=30	Pass	
				13	22.46	3.10	25.56	<=30	Pass	
				25	22.48	3.10	25.58	<=30	Pass	
			50	0	22.43	3.10	25.53	<=30	Pass	
16QAM	3455	1	0	22.53	3.10	25.63	<=30	Pass		
			25	22.58	3.10	25.68	<=30	Pass		
			49	22.62	3.10	25.72	<=30	Pass		
		25	0	21.36	3.10	24.46	<=30	Pass		
			13	21.30	3.10	24.40	<=30	Pass		
			25	21.23	3.10	24.33	<=30	Pass		
		50	0	21.02	3.10	24.12	<=30	Pass		
		3500	1	0	22.62	3.10	25.72	<=30	Pass	
				25	22.71	3.10	25.81	<=30	Pass	
	49			22.75	3.10	25.85	<=30	Pass		
	25		0	21.42	3.10	24.52	<=30	Pass		
			13	21.42	3.10	24.52	<=30	Pass		
			25	21.43	3.10	24.53	<=30	Pass		
	50		0	21.42	3.10	24.52	<=30	Pass		
	3545		1	0	22.55	3.10	25.65	<=30	Pass	
				25	22.51	3.10	25.61	<=30	Pass	
		49		22.55	3.10	25.65	<=30	Pass		
		25	0	21.09	3.10	24.19	<=30	Pass		
			13	21.27	3.10	24.37	<=30	Pass		
			25	21.10	3.10	24.20	<=30	Pass		
		50	0	21.50	3.10	24.60	<=30	Pass		
		64QAM	3455	1	0	21.49	3.10	24.59	<=30	Pass
					25	21.42	3.10	24.52	<=30	Pass
	49				21.42	3.10	24.52	<=30	Pass	
25	0			20.87	3.10	23.97	<=30	Pass		
	13			20.85	3.10	23.95	<=30	Pass		
	25			20.76	3.10	23.86	<=30	Pass		
50	0			20.73	3.10	23.83	<=30	Pass		
3500	1			0	21.31	3.10	24.41	<=30	Pass	
				25	21.39	3.10	24.49	<=30	Pass	
			49	21.46	3.10	24.56	<=30	Pass		
	25		0	20.79	3.10	23.89	<=30	Pass		
			13	20.77	3.10	23.87	<=30	Pass		
			25	20.78	3.10	23.88	<=30	Pass		
	50		0	20.75	3.10	23.85	<=30	Pass		
	3545		1	0	21.42	3.10	24.52	<=30	Pass	
				25	21.37	3.10	24.47	<=30	Pass	
49				21.45	3.10	24.55	<=30	Pass		
25			0	20.86	3.10	23.96	<=30	Pass		
			13	20.84	3.10	23.94	<=30	Pass		
			25	20.81	3.10	23.91	<=30	Pass		
50			0	20.78	3.10	23.88	<=30	Pass		
256QAM			3455	1	0	18.75	3.10	21.85	<=30	Pass
					25	18.70	3.10	21.80	<=30	Pass
	49				18.69	3.10	21.79	<=30	Pass	
	25	0		18.75	3.10	21.85	<=30	Pass		
		13		18.38	3.10	21.48	<=30	Pass		
		25		18.64	3.10	21.74	<=30	Pass		
	50	0		18.56	3.10	21.66	<=30	Pass		
	3500	1		0	18.66	3.10	21.76	<=30	Pass	
				25	18.69	3.10	21.79	<=30	Pass	
			49	18.71	3.10	21.81	<=30	Pass		
	25	0	18.59	3.10	21.69	<=30	Pass			

			13	18.44	3.10	21.54	<=30	Pass
			25	18.67	3.10	21.77	<=30	Pass
		50	0	18.62	3.10	21.72	<=30	Pass
	3545	1	0	18.69	3.10	21.79	<=30	Pass
			25	18.71	3.10	21.81	<=30	Pass
			49	18.72	3.10	21.82	<=30	Pass
		25	0	18.75	3.10	21.85	<=30	Pass
			13	18.56	3.10	21.66	<=30	Pass
			25	18.61	3.10	21.71	<=30	Pass
		50	0	18.50	3.10	21.60	<=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	23.51	3.10	26.61	<=30	Pass
			38	23.42	3.10	26.52	<=30	Pass
			74	23.36	3.10	26.46	<=30	Pass
		36	0	22.45	3.10	25.55	<=30	Pass
			18	22.38	3.10	25.48	<=30	Pass
			39	22.35	3.10	25.45	<=30	Pass
		75	0	22.41	3.10	25.51	<=30	Pass
	3500	1	0	23.30	3.10	26.40	<=30	Pass
			38	23.48	3.10	26.58	<=30	Pass
			74	23.50	3.10	26.60	<=30	Pass
		36	0	22.33	3.10	25.43	<=30	Pass
			18	22.39	3.10	25.49	<=30	Pass
			39	22.40	3.10	25.50	<=30	Pass
		75	0	22.43	3.10	25.53	<=30	Pass
	3542.5	1	0	23.42	3.10	26.52	<=30	Pass
			38	23.44	3.10	26.54	<=30	Pass
			74	23.50	3.10	26.60	<=30	Pass
		36	0	22.42	3.10	25.52	<=30	Pass
			18	22.44	3.10	25.54	<=30	Pass
			39	22.45	3.10	25.55	<=30	Pass
		75	0	22.48	3.10	25.58	<=30	Pass
16QAM	3457.5	1	0	22.71	3.10	25.81	<=30	Pass
			38	22.65	3.10	25.75	<=30	Pass
			74	22.56	3.10	25.66	<=30	Pass
		36	0	21.49	3.10	24.59	<=30	Pass
			18	21.43	3.10	24.53	<=30	Pass
			39	21.43	3.10	24.53	<=30	Pass
		75	0	21.40	3.10	24.50	<=30	Pass
	3500	1	0	22.53	3.10	25.63	<=30	Pass
			38	22.68	3.10	25.78	<=30	Pass
			74	22.73	3.10	25.83	<=30	Pass
		36	0	21.32	3.10	24.42	<=30	Pass
			18	21.47	3.10	24.57	<=30	Pass
			39	21.46	3.10	24.56	<=30	Pass
		75	0	21.40	3.10	24.50	<=30	Pass
	3542.5	1	0	22.62	3.10	25.72	<=30	Pass
			38	22.66	3.10	25.76	<=30	Pass
			74	22.69	3.10	25.79	<=30	Pass
		36	0	21.38	3.10	24.48	<=30	Pass
			18	21.43	3.10	24.53	<=30	Pass

			39	21.40	3.10	24.50	<=30	Pass	
		75	0	21.44	3.10	24.54	<=30	Pass	
64QAM	3457.5	1	0	21.41	3.10	24.51	<=30	Pass	
			38	21.33	3.10	24.43	<=30	Pass	
			74	21.28	3.10	24.38	<=30	Pass	
			0	20.75	3.10	23.85	<=30	Pass	
		36	18	20.70	3.10	23.80	<=30	Pass	
			39	20.68	3.10	23.78	<=30	Pass	
			75	0	20.73	3.10	23.83	<=30	Pass
		3500	1	0	21.23	3.10	24.33	<=30	Pass
				38	21.34	3.10	24.44	<=30	Pass
				74	21.40	3.10	24.50	<=30	Pass
	0			20.69	3.10	23.79	<=30	Pass	
	36		18	20.75	3.10	23.85	<=30	Pass	
			39	20.68	3.10	23.78	<=30	Pass	
			75	0	20.68	3.10	23.78	<=30	Pass
	3542.5		1	0	21.33	3.10	24.43	<=30	Pass
				38	21.36	3.10	24.46	<=30	Pass
				74	21.41	3.10	24.51	<=30	Pass
		36	0	20.76	3.10	23.86	<=30	Pass	
			18	20.79	3.10	23.89	<=30	Pass	
			39	20.78	3.10	23.88	<=30	Pass	
		75	0	20.76	3.10	23.86	<=30	Pass	
		256QAM	3457.5	1	0	18.74	3.10	21.84	<=30
38	18.71				3.10	21.81	<=30	Pass	
74	18.61				3.10	21.71	<=30	Pass	
36	0			18.74	3.10	21.84	<=30	Pass	
	18			18.69	3.10	21.79	<=30	Pass	
	39			18.63	3.10	21.73	<=30	Pass	
75	0			18.72	3.10	21.82	<=30	Pass	
3500	1			0	18.61	3.10	21.71	<=30	Pass
			38	18.72	3.10	21.82	<=30	Pass	
			74	18.76	3.10	21.86	<=30	Pass	
	36		0	18.67	3.10	21.77	<=30	Pass	
			18	18.69	3.10	21.79	<=30	Pass	
			39	18.66	3.10	21.76	<=30	Pass	
	75		0	18.71	3.10	21.81	<=30	Pass	
	3542.5		1	0	18.69	3.10	21.79	<=30	Pass
38				18.75	3.10	21.85	<=30	Pass	
74				18.67	3.10	21.77	<=30	Pass	
36			0	18.79	3.10	21.89	<=30	Pass	
			18	18.76	3.10	21.86	<=30	Pass	
			39	18.75	3.10	21.85	<=30	Pass	
75			0	18.77	3.10	21.87	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B42a_20MHz_EIRP

Band: 42a / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3460	1	0	23.46	3.10	26.56	<=30	Pass
			50	23.38	3.10	26.48	<=30	Pass
			99	23.20	3.10	26.30	<=30	Pass
		50	0	22.49	3.10	25.59	<=30	Pass
			25	22.37	3.10	25.47	<=30	Pass
			50	22.35	3.10	25.45	<=30	Pass

		100	0	22.37	3.10	25.47	<=30	Pass	
	3500	1	0	23.29	3.10	26.39	<=30	Pass	
			50	23.48	3.10	26.58	<=30	Pass	
			99	23.55	3.10	26.65	<=30	Pass	
			0	22.35	3.10	25.45	<=30	Pass	
		25	22.41	3.10	25.51	<=30	Pass		
		50	22.50	3.10	25.60	<=30	Pass		
	100	0	22.44	3.10	25.54	<=30	Pass		
	3540	1	0	23.42	3.10	26.52	<=30	Pass	
			50	23.46	3.10	26.56	<=30	Pass	
			99	23.53	3.10	26.63	<=30	Pass	
		50	0	22.46	3.10	25.56	<=30	Pass	
			25	22.50	3.10	25.60	<=30	Pass	
			50	22.52	3.10	25.62	<=30	Pass	
		100	0	22.49	3.10	25.59	<=30	Pass	
		16QAM	3460	1	0	22.70	3.10	25.80	<=30
50	22.62				3.10	25.72	<=30	Pass	
99	22.50				3.10	25.60	<=30	Pass	
50	0			21.51	3.10	24.61	<=30	Pass	
	25			21.31	3.10	24.41	<=30	Pass	
	50			21.28	3.10	24.38	<=30	Pass	
100	0			21.35	3.10	24.45	<=30	Pass	
3500	1		0	22.55	3.10	25.65	<=30	Pass	
			50	22.71	3.10	25.81	<=30	Pass	
			99	22.76	3.10	25.86	<=30	Pass	
	50		0	21.36	3.10	24.46	<=30	Pass	
			25	21.17	3.10	24.27	<=30	Pass	
			50	21.50	3.10	24.60	<=30	Pass	
100	0		21.53	3.10	24.63	<=30	Pass		
3540	1		0	22.69	3.10	25.79	<=30	Pass	
			50	22.69	3.10	25.79	<=30	Pass	
			99	22.78	3.10	25.88	<=30	Pass	
	50		0	21.12	3.10	24.22	<=30	Pass	
			25	21.49	3.10	24.59	<=30	Pass	
			50	21.07	3.10	24.17	<=30	Pass	
	100		0	21.56	3.10	24.66	<=30	Pass	
64QAM	3460		1	0	21.45	3.10	24.55	<=30	Pass
				50	21.25	3.10	24.35	<=30	Pass
				99	21.19	3.10	24.29	<=30	Pass
		50	0	20.73	3.10	23.83	<=30	Pass	
			25	20.72	3.10	23.82	<=30	Pass	
			50	20.64	3.10	23.74	<=30	Pass	
		100	0	20.69	3.10	23.79	<=30	Pass	
	3500	1	0	21.28	3.10	24.38	<=30	Pass	
			50	21.40	3.10	24.50	<=30	Pass	
			99	21.49	3.10	24.59	<=30	Pass	
		50	0	20.75	3.10	23.85	<=30	Pass	
			25	20.79	3.10	23.89	<=30	Pass	
			50	20.82	3.10	23.92	<=30	Pass	
	100	0	20.77	3.10	23.87	<=30	Pass		
	3540	1	0	21.44	3.10	24.54	<=30	Pass	
			50	21.39	3.10	24.49	<=30	Pass	
			99	21.51	3.10	24.61	<=30	Pass	
		50	0	20.80	3.10	23.90	<=30	Pass	
			25	20.76	3.10	23.86	<=30	Pass	
			50	20.82	3.10	23.92	<=30	Pass	
100	0	20.76	3.10	23.86	<=30	Pass			
256QAM	3460	1	0	18.73	3.10	21.83	<=30	Pass	
			50	18.59	3.10	21.69	<=30	Pass	

		50	99	18.65	3.10	21.75	<=30	Pass
			0	18.80	3.10	21.90	<=30	Pass
			25	18.74	3.10	21.84	<=30	Pass
			50	18.67	3.10	21.77	<=30	Pass
		100	0	18.66	3.10	21.76	<=30	Pass
	3500	1	0	18.65	3.10	21.75	<=30	Pass
			50	18.70	3.10	21.80	<=30	Pass
			99	18.76	3.10	21.86	<=30	Pass
		50	0	18.77	3.10	21.87	<=30	Pass
			25	18.76	3.10	21.86	<=30	Pass
			50	18.73	3.10	21.83	<=30	Pass
		100	0	18.74	3.10	21.84	<=30	Pass
	3540	1	0	18.66	3.10	21.76	<=30	Pass
			50	18.73	3.10	21.83	<=30	Pass
			99	18.73	3.10	21.83	<=30	Pass
		50	0	18.82	3.10	21.92	<=30	Pass
			25	18.76	3.10	21.86	<=30	Pass
			50	18.76	3.10	21.86	<=30	Pass
		100	0	18.71	3.10	21.81	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 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	3500	25	0	20	3.27	-5.341	-0.0015	-2.5 to 2.5	Pass
					3.85	1.713	0.0005	-2.5 to 2.5	Pass
					4.43	-0.241	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-2.324	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	3.403	0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.566	0.0002	-2.5 to 2.5	Pass
				0	3.85	2.431	0.0007	-2.5 to 2.5	Pass
				10	3.85	-4.988	-0.0014	-2.5 to 2.5	Pass
				30	3.85	1.838	0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.029	-0.0006	-2.5 to 2.5	Pass
				50	3.85	0.597	0.0002	-2.5 to 2.5	Pass

2.1.2 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	3500	50	0	20	3.27	-3.694	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0002	-2.5 to 2.5	Pass
					4.43	-7.801	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-0.180	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.324	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.370	0.0001	-2.5 to 2.5	Pass
				0	3.85	1.943	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.980	0.0003	-2.5 to 2.5	Pass

				30	3.85	3.901	0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.337	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-2.242	-0.0006	-2.5 to 2.5	Pass

2.1.3 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	3500	75	0	20	3.27	1.430	0.0004	-2.5 to 2.5	Pass
					3.85	3.845	0.0011	-2.5 to 2.5	Pass
					4.43	-5.771	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.220	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	4.157	0.0012	-2.5 to 2.5	Pass
				-10	3.85	6.400	0.0018	-2.5 to 2.5	Pass
				0	3.85	-1.970	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.547	0.0002	-2.5 to 2.5	Pass
				30	3.85	1.596	0.0005	-2.5 to 2.5	Pass
				40	3.85	3.780	0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.570	-0.0002	-2.5 to 2.5	Pass

2.1.4 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	3500	100	0	20	3.27	-0.360	-0.0001	-2.5 to 2.5	Pass
					3.85	0.523	0.0001	-2.5 to 2.5	Pass
					4.43	-3.831	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-3.919	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.573	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-6.314	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-0.732	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.929	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-7.316	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.626	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.059	0.0000	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band42a_OBW

Band: 42a / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	4.505	/	Pass
		3500	25	0	4.510	/	Pass
		3547.5	25	0	4.517	/	Pass
	16QAM	3452.5	25	0	4.502	/	Pass
		3500	25	0	4.506	/	Pass
		3547.5	25	0	4.502	/	Pass

10	64QAM	3452.5	25	0	4.523	/	Pass
		3500	25	0	4.524	/	Pass
		3547.5	25	0	4.515	/	Pass
	256QAM	3452.5	25	0	4.516	/	Pass
		3500	25	0	4.511	/	Pass
		3547.5	25	0	4.520	/	Pass
	QPSK	3455	50	0	9.019	/	Pass
		3500	50	0	9.001	/	Pass
		3545	50	0	9.016	/	Pass
15	16QAM	3455	50	0	9.005	/	Pass
		3500	50	0	9.004	/	Pass
		3545	50	0	8.974	/	Pass
	64QAM	3455	50	0	9.014	/	Pass
		3500	50	0	9.006	/	Pass
		3545	50	0	8.993	/	Pass
	256QAM	3455	50	0	9.020	/	Pass
		3500	50	0	9.021	/	Pass
		3545	50	0	9.017	/	Pass
20	QPSK	3457.5	75	0	13.503	/	Pass
		3500	75	0	13.502	/	Pass
		3542.5	75	0	13.498	/	Pass
	16QAM	3457.5	75	0	13.514	/	Pass
		3500	75	0	13.487	/	Pass
		3542.5	75	0	13.533	/	Pass
	64QAM	3457.5	75	0	13.473	/	Pass
		3500	75	0	13.481	/	Pass
		3542.5	75	0	13.496	/	Pass
	256QAM	3457.5	75	0	13.494	/	Pass
		3500	75	0	13.497	/	Pass
		3542.5	75	0	13.495	/	Pass
	QPSK	3460	100	0	18.079	/	Pass
		3500	100	0	18.123	/	Pass
		3540	100	0	18.019	/	Pass
	16QAM	3460	100	0	18.062	/	Pass
		3500	100	0	18.047	/	Pass
		3540	100	0	18.051	/	Pass
	64QAM	3460	100	0	18.061	/	Pass
		3500	100	0	17.996	/	Pass
		3540	100	0	18.074	/	Pass
	256QAM	3460	100	0	18.123	/	Pass
		3500	100	0	18.087	/	Pass
		3540	100	0	18.073	/	Pass

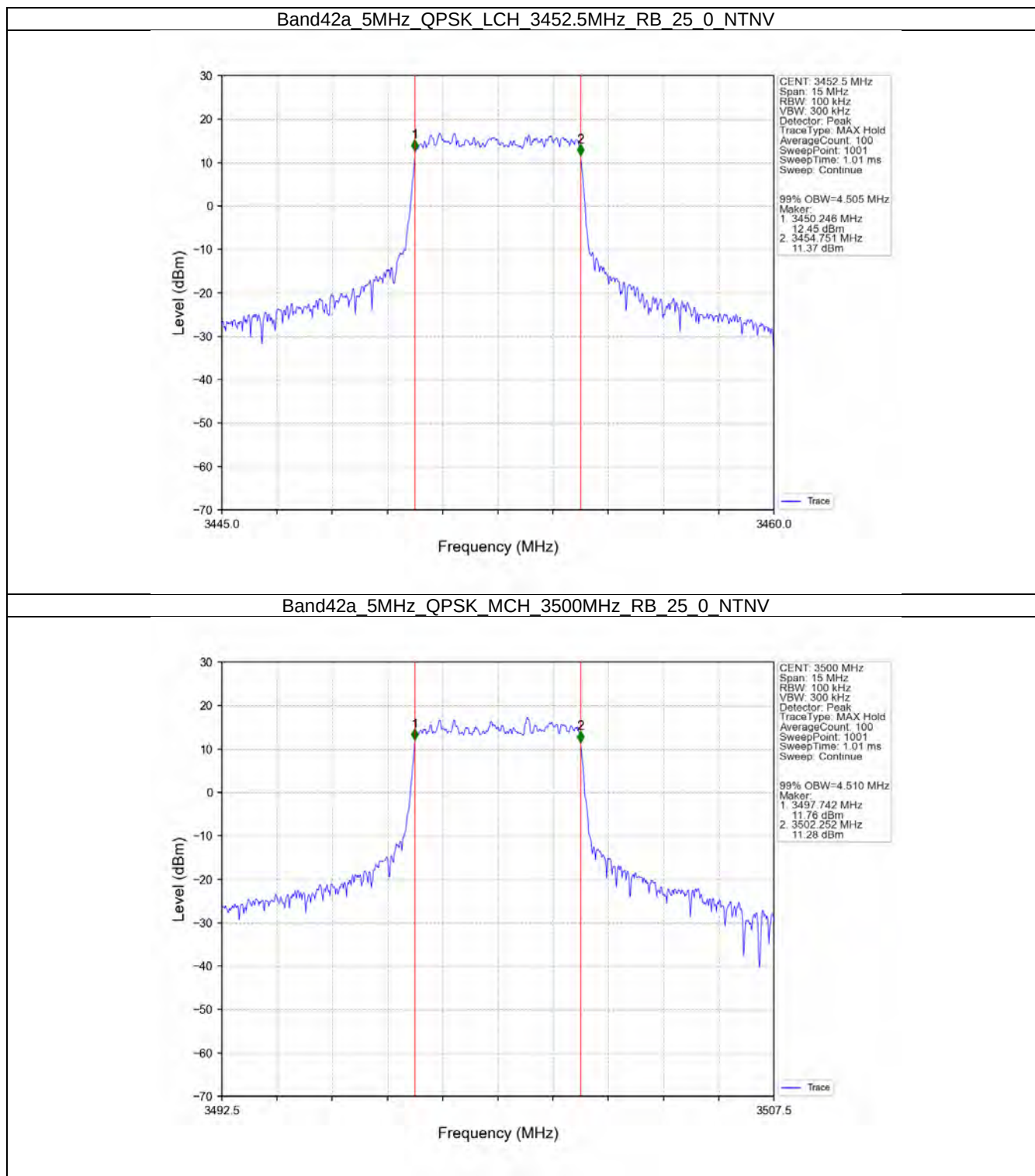
3.1.2 Band42a_XDB

Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	4.959	/	Pass
		3500	25	0	4.967	/	Pass
		3547.5	25	0	4.922	/	Pass
	16QAM	3452.5	25	0	5.070	/	Pass
		3500	25	0	5.004	/	Pass
		3547.5	25	0	5.017	/	Pass
	64QAM	3452.5	25	0	5.138	/	Pass
		3500	25	0	5.069	/	Pass
		3547.5	25	0	5.007	/	Pass

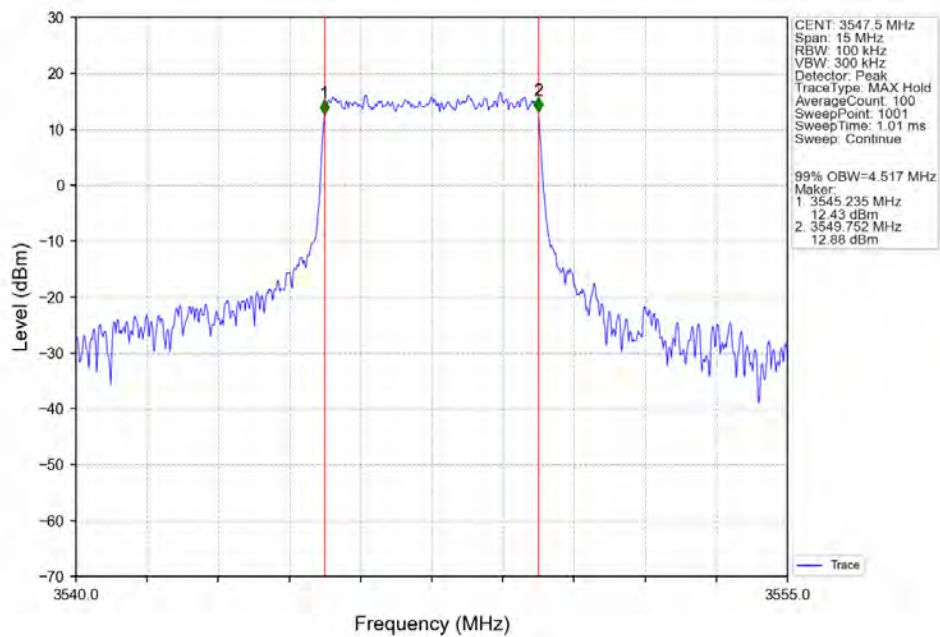
	256QAM	3452.5	25	0	4.998	/	Pass
		3500	25	0	4.988	/	Pass
		3547.5	25	0	5.307	/	Pass
10	QPSK	3455	50	0	10.062	/	Pass
		3500	50	0	9.883	/	Pass
		3545	50	0	10.104	/	Pass
	16QAM	3455	50	0	9.998	/	Pass
		3500	50	0	9.856	/	Pass
		3545	50	0	9.754	/	Pass
	64QAM	3455	50	0	10.178	/	Pass
		3500	50	0	9.808	/	Pass
		3545	50	0	9.880	/	Pass
	256QAM	3455	50	0	11.081	/	Pass
		3500	50	0	9.862	/	Pass
		3545	50	0	10.134	/	Pass
15	QPSK	3457.5	75	0	15.543	/	Pass
		3500	75	0	15.025	/	Pass
		3542.5	75	0	15.529	/	Pass
	16QAM	3457.5	75	0	14.781	/	Pass
		3500	75	0	15.016	/	Pass
		3542.5	75	0	14.743	/	Pass
	64QAM	3457.5	75	0	15.328	/	Pass
		3500	75	0	14.636	/	Pass
		3542.5	75	0	15.753	/	Pass
	256QAM	3457.5	75	0	14.999	/	Pass
		3500	75	0	14.798	/	Pass
		3542.5	75	0	14.771	/	Pass
20	QPSK	3460	100	0	20.400	/	Pass
		3500	100	0	20.448	/	Pass
		3540	100	0	20.375	/	Pass
	16QAM	3460	100	0	19.813	/	Pass
		3500	100	0	20.064	/	Pass
		3540	100	0	19.815	/	Pass
	64QAM	3460	100	0	20.302	/	Pass
		3500	100	0	20.231	/	Pass
		3540	100	0	19.954	/	Pass
	256QAM	3460	100	0	20.916	/	Pass
		3500	100	0	20.865	/	Pass
		3540	100	0	20.438	/	Pass

3.2 Test Graph

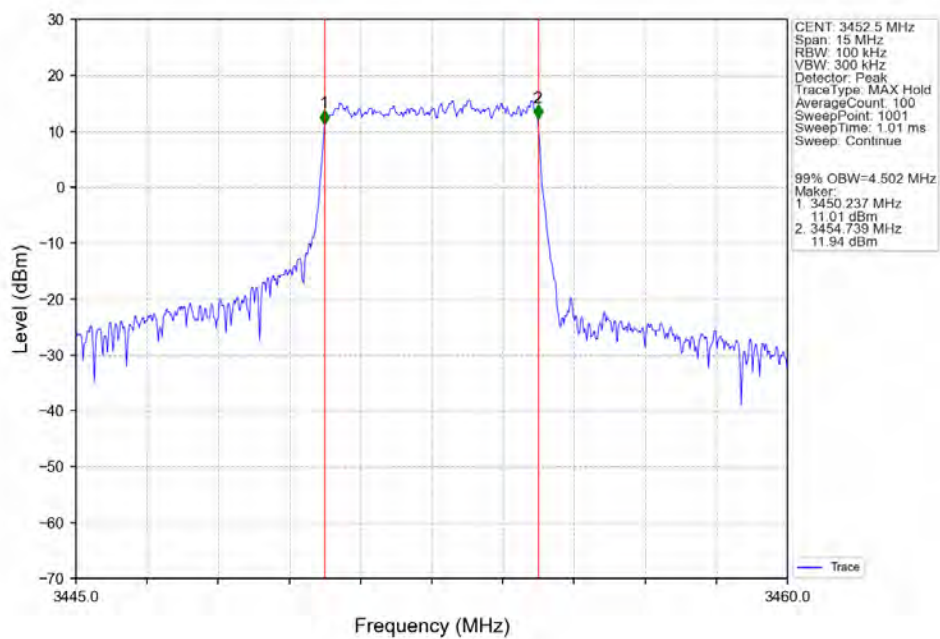
3.2.1 Band42a_OBW



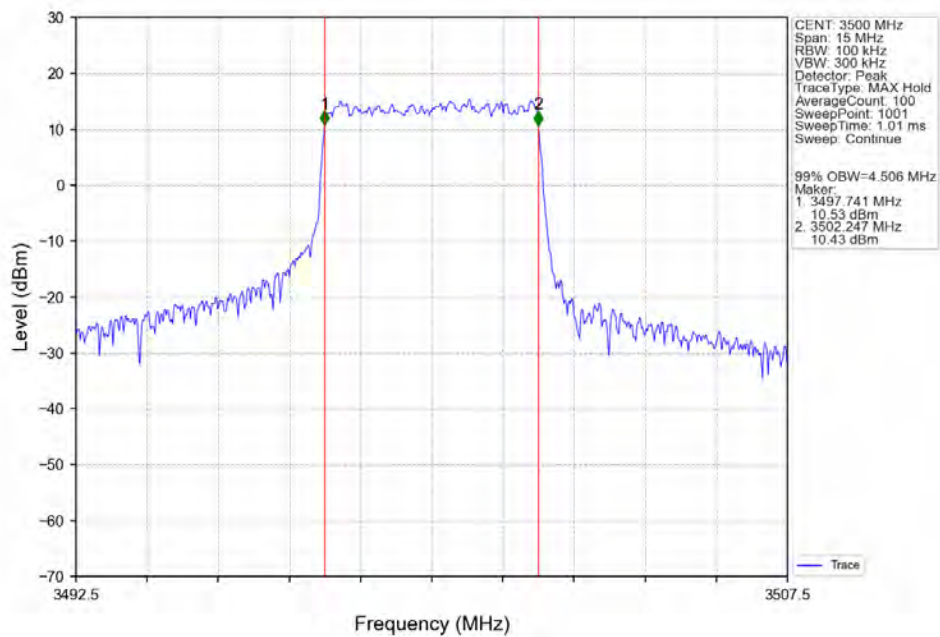
Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTNV



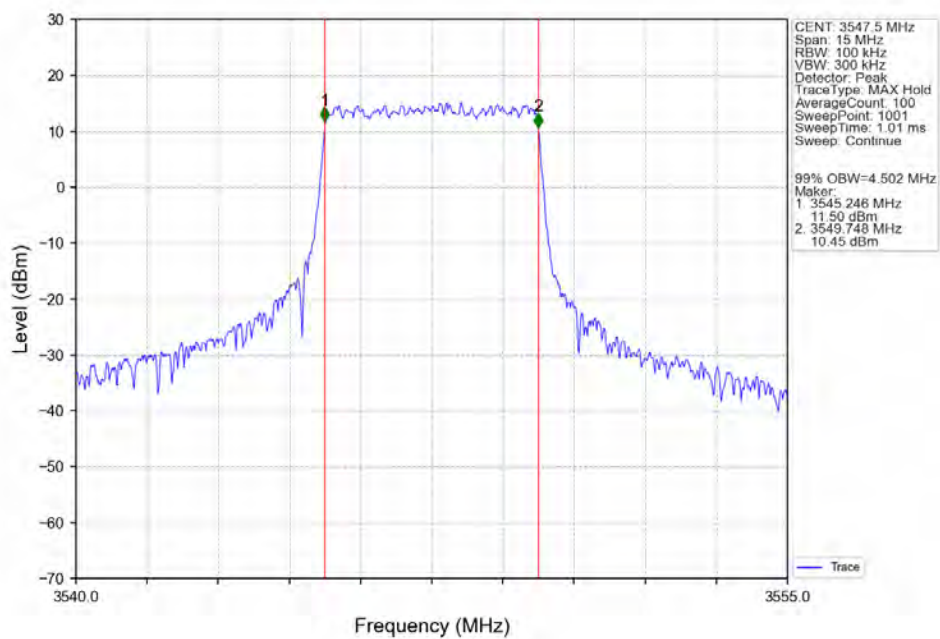
Band42a 5MHz 16QAM LCH 3452.5MHz RB 25 0 NTNV



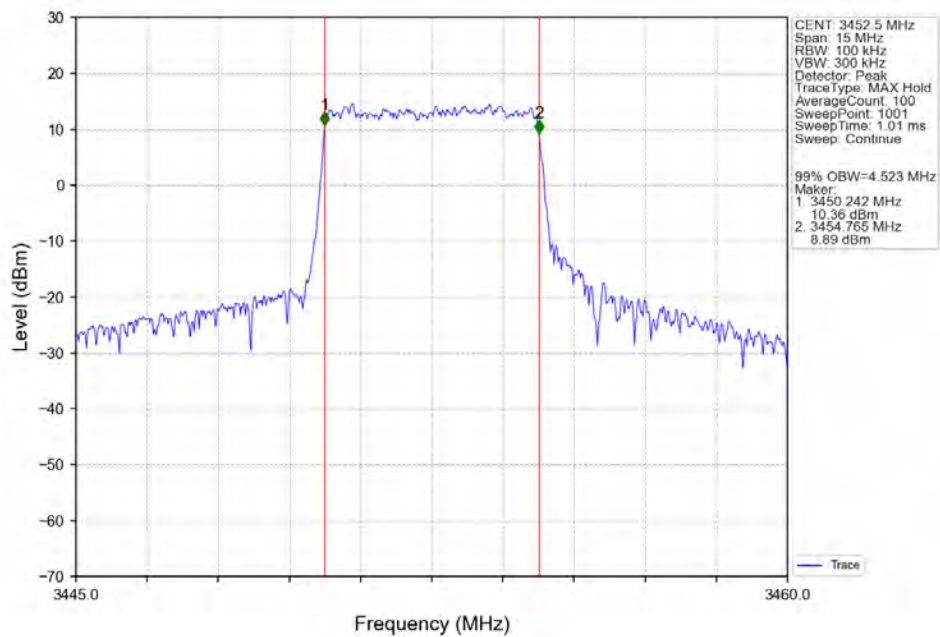
Band42a 5MHz 16QAM MCH 3500MHz RB 25 0 NTNV



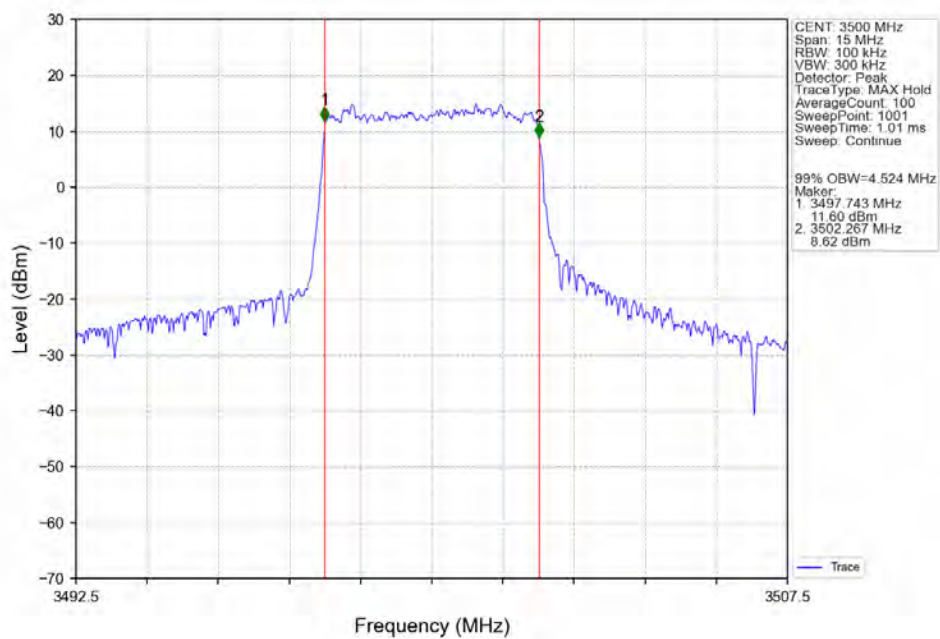
Band42a 5MHz 16QAM HCH 3547.5MHz RB 25 0 NTNV



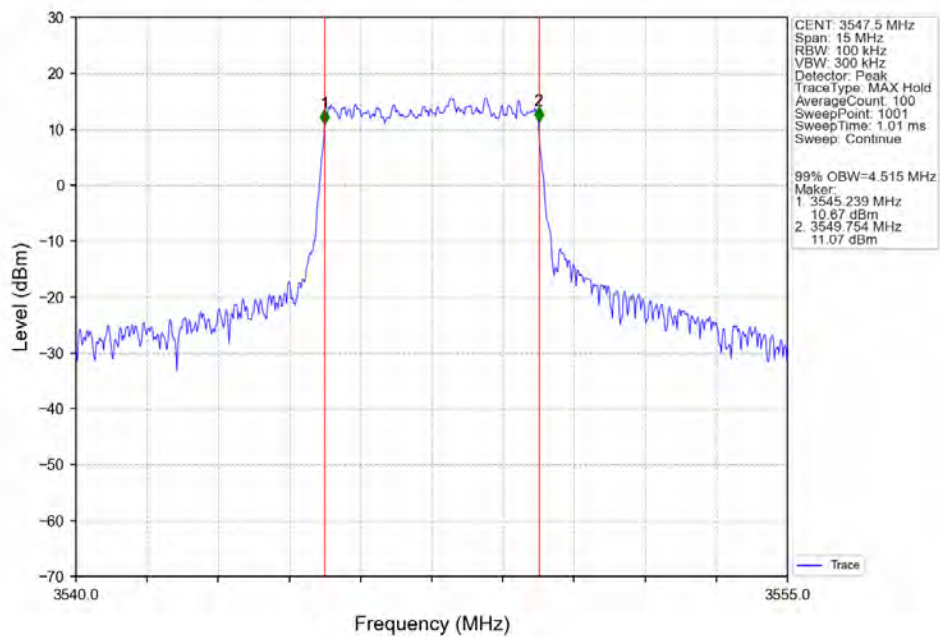
Band42a 5MHz 64QAM LCH 3452.5MHz RB 25 0 NTNV



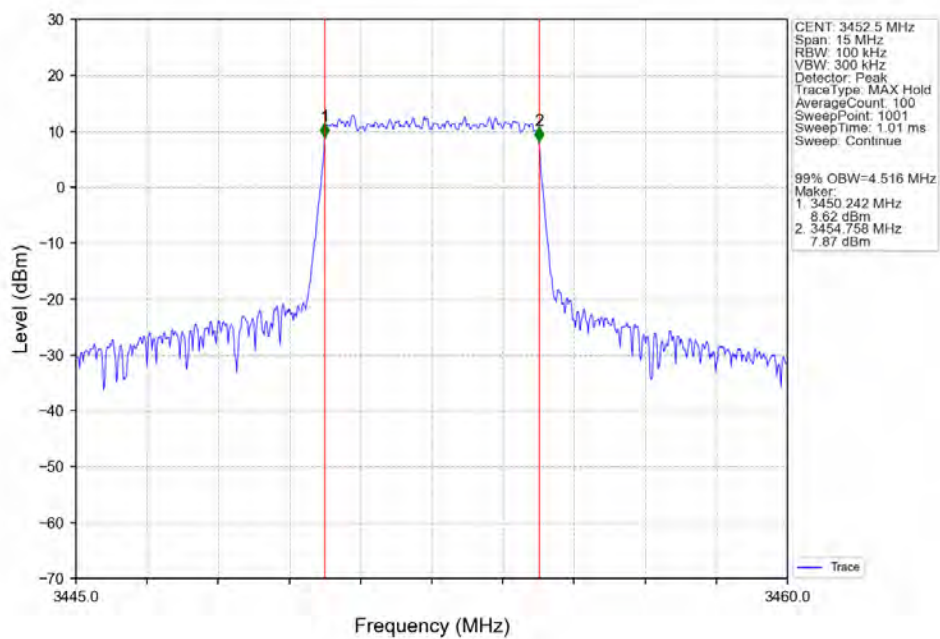
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTNV



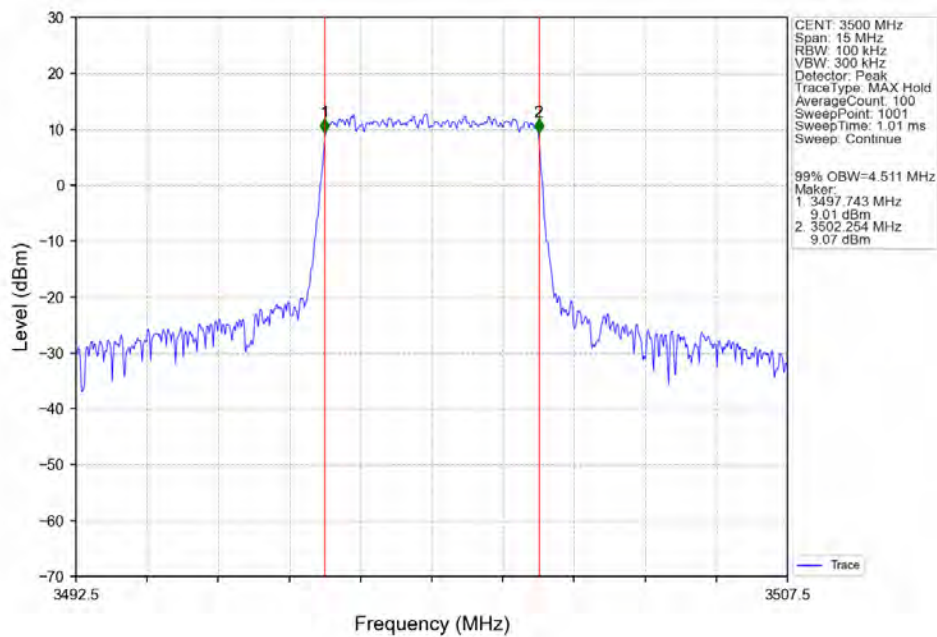
Band42a 5MHz 64QAM HCH 3547.5MHz RB 25 0 NTNV



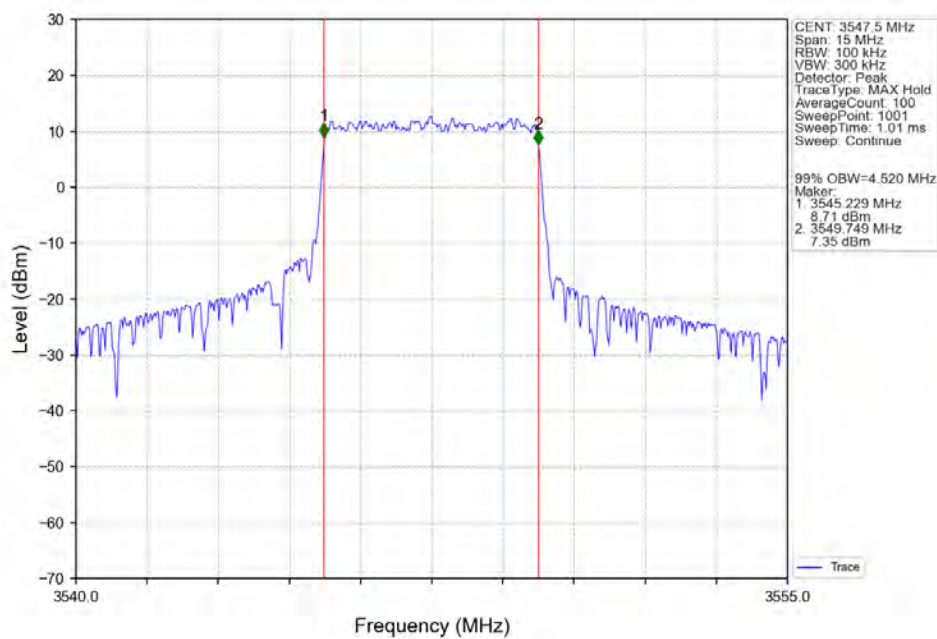
Band42a 5MHz 256QAM LCH 3452.5MHz RB 25 0 NTNV



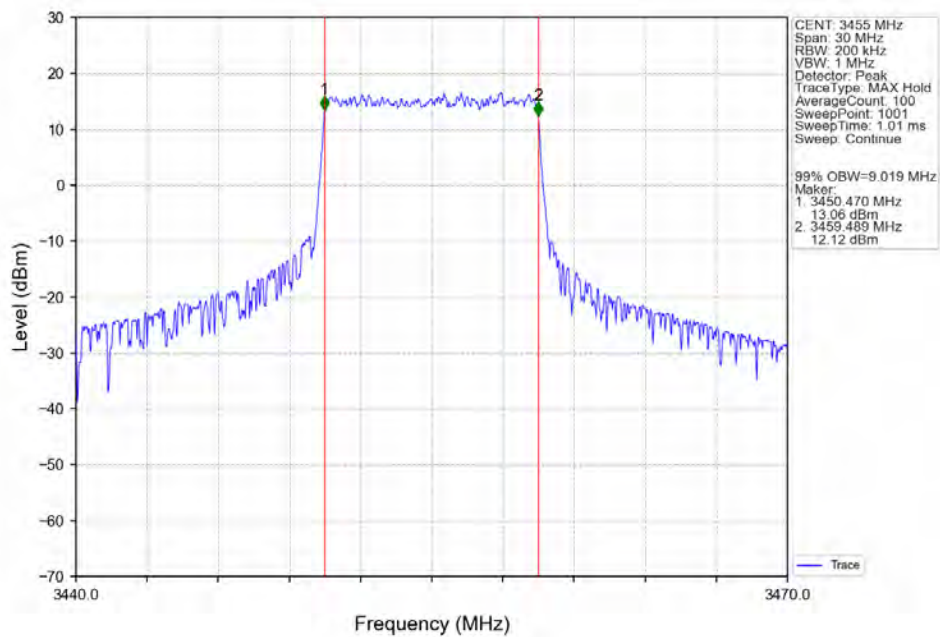
Band42a 5MHz 256QAM MCH 3500MHz RB 25 0 NTNV



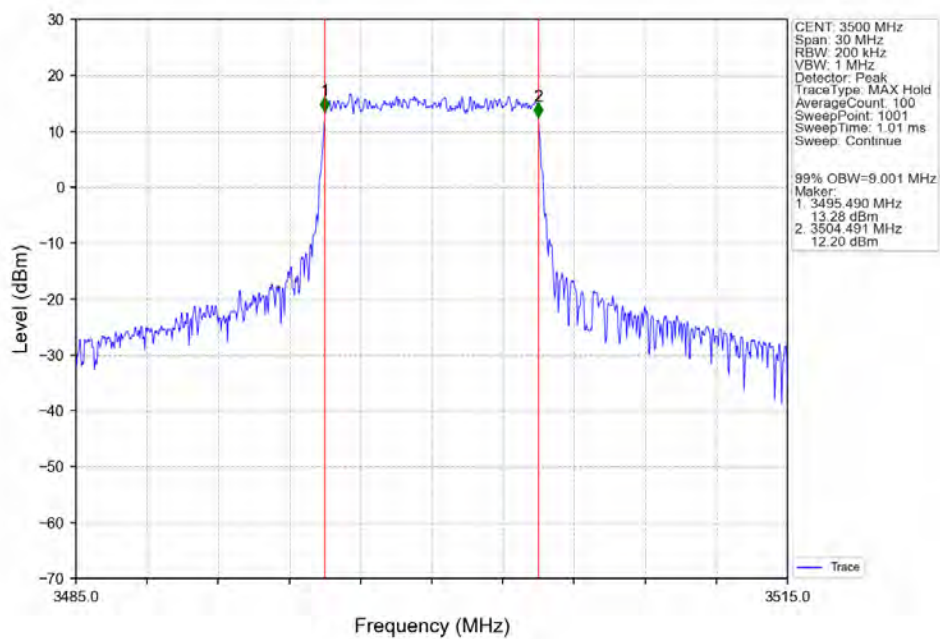
Band42a 5MHz 256QAM HCH 3547.5MHz RB 25 0 NTNV



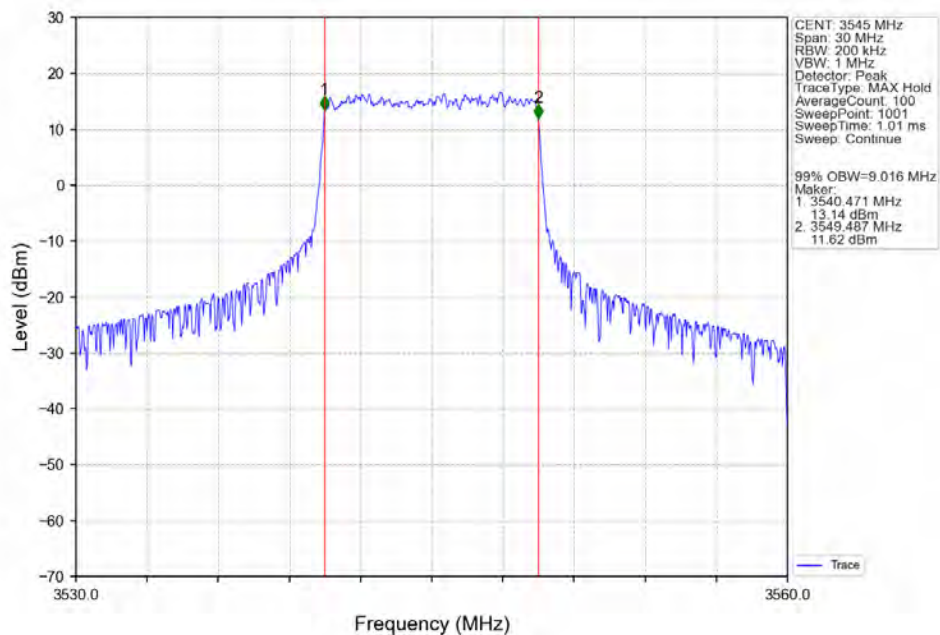
Band42a 10MHz QPSK LCH 3455MHz RB 50 0 NTNV



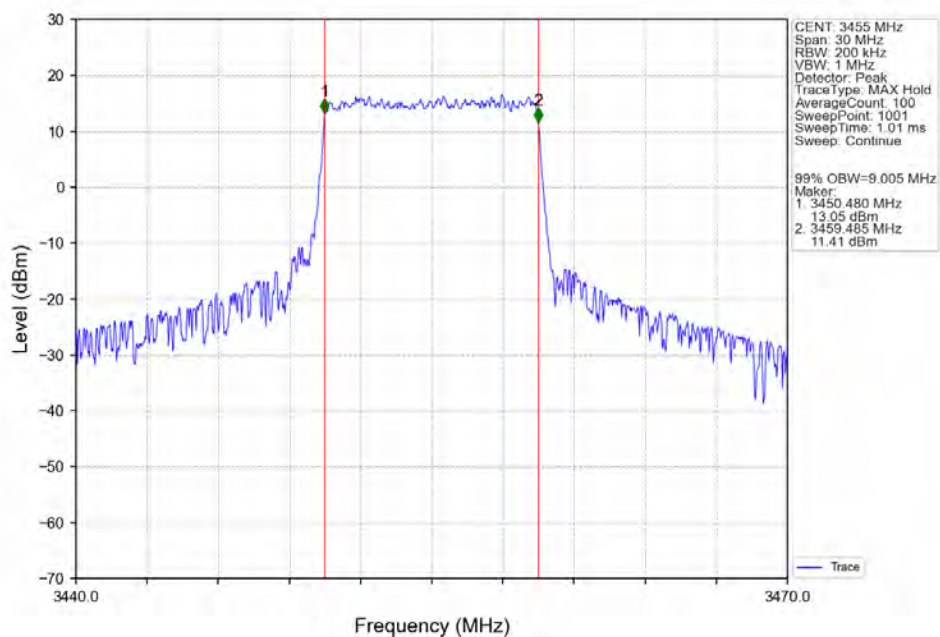
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTNV



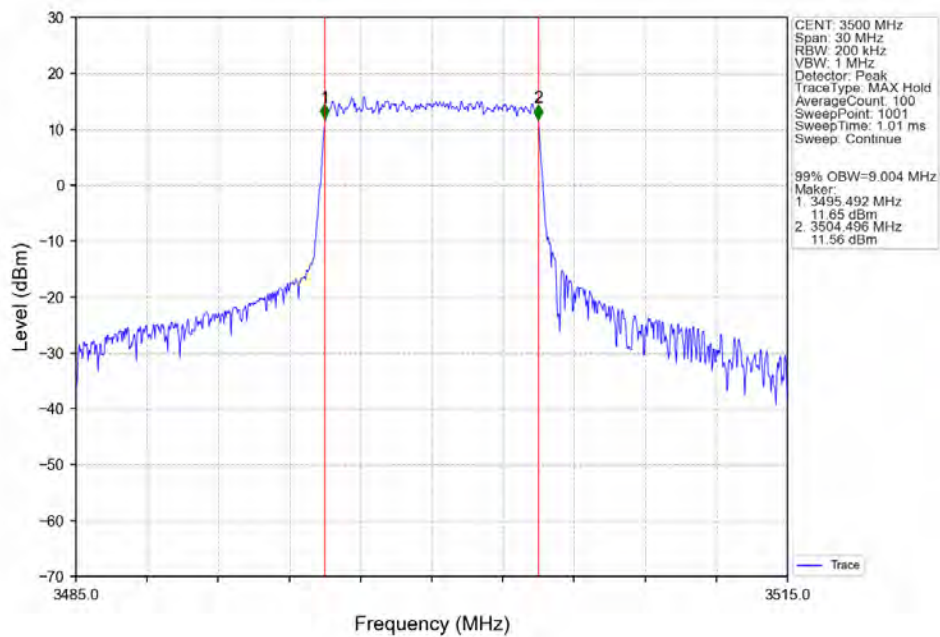
Band42a 10MHz QPSK HCH 3545MHz RB 50 0 NTNV



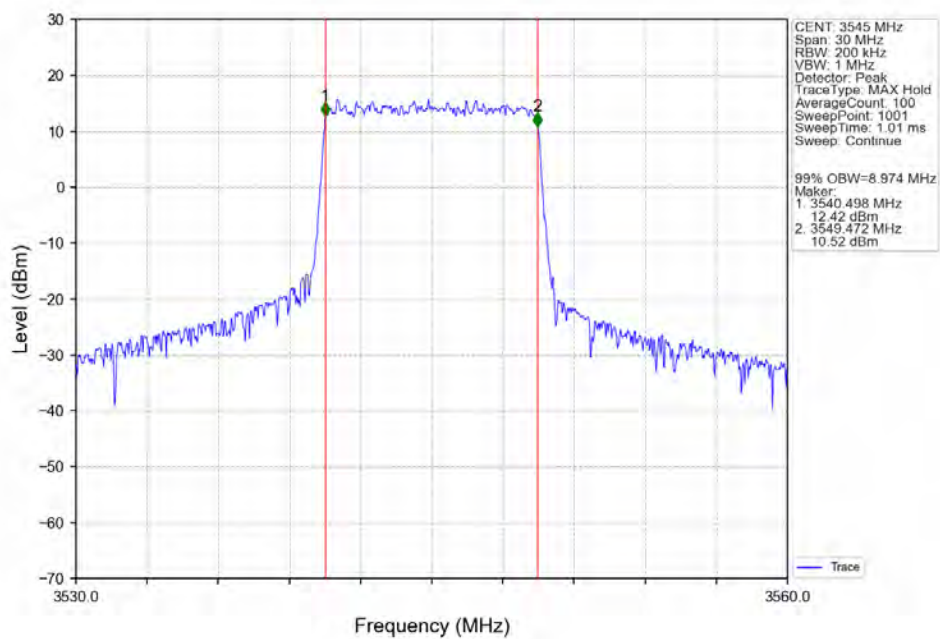
Band42a 10MHz 16QAM LCH 3455MHz RB 50 0 NTNV



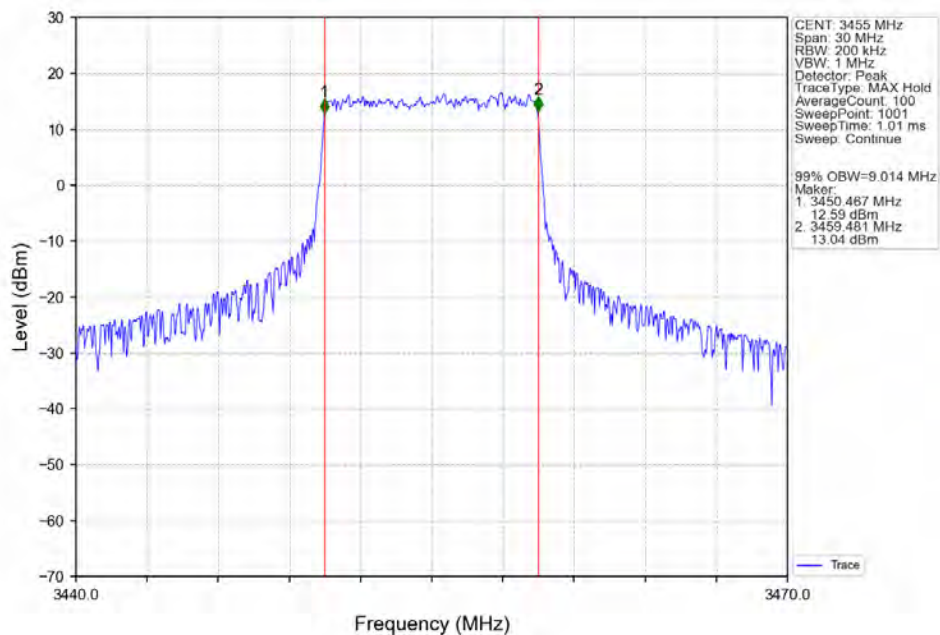
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTNV



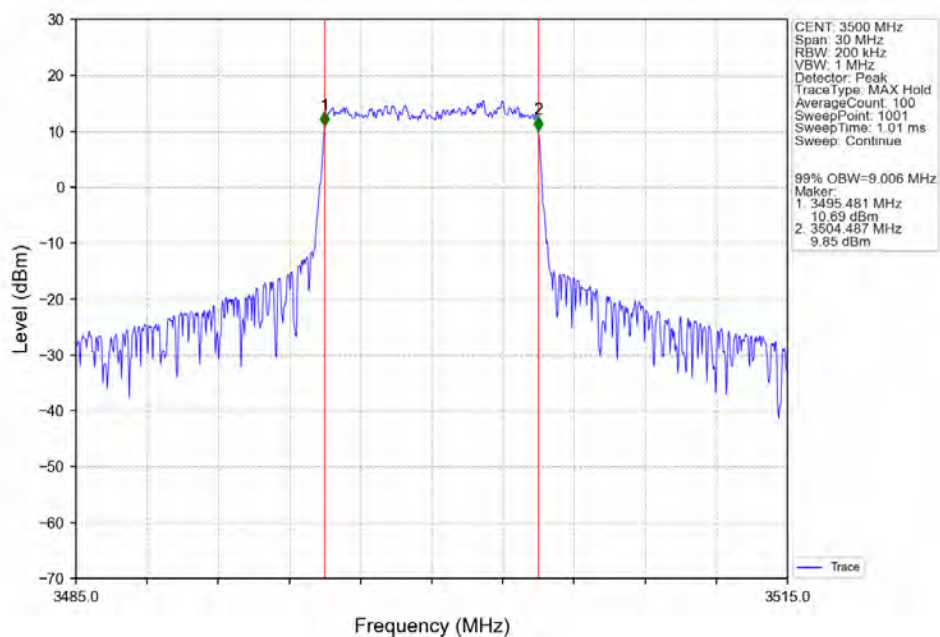
Band42a 10MHz 16QAM HCH 3545MHz RB 50 0 NTNV



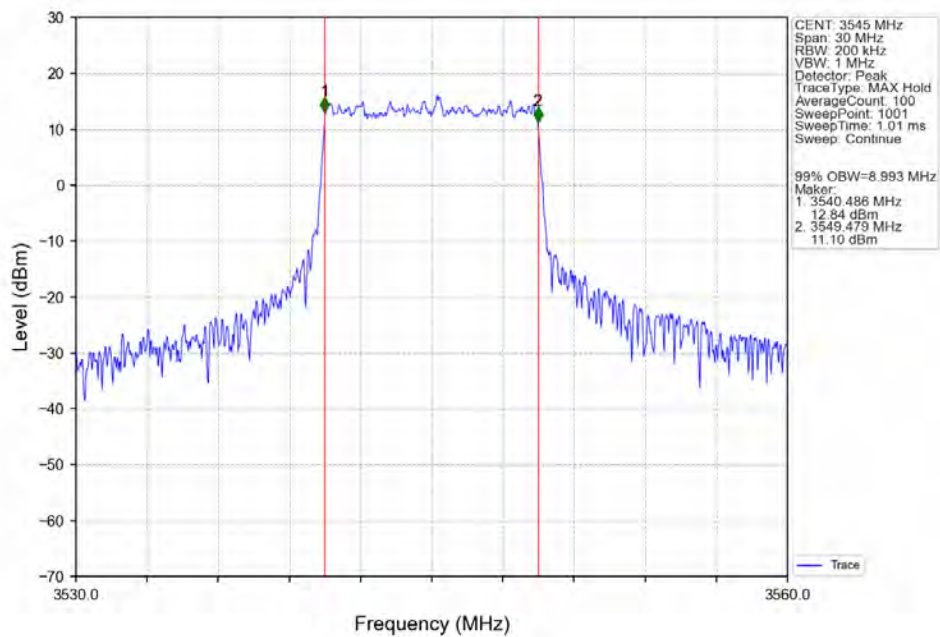
Band42a 10MHz 64QAM LCH 3455MHz RB 50 0 NTNV



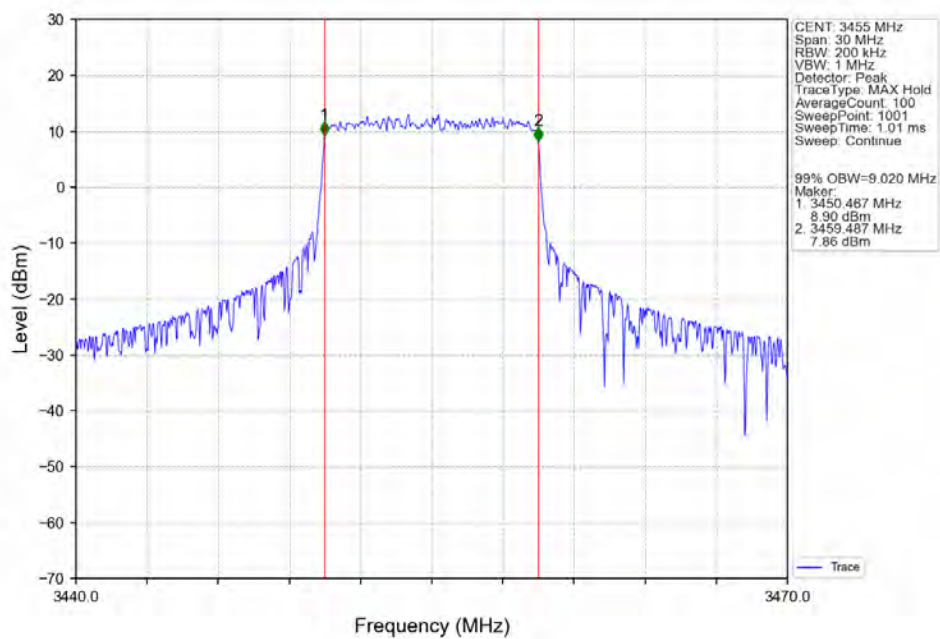
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTNV



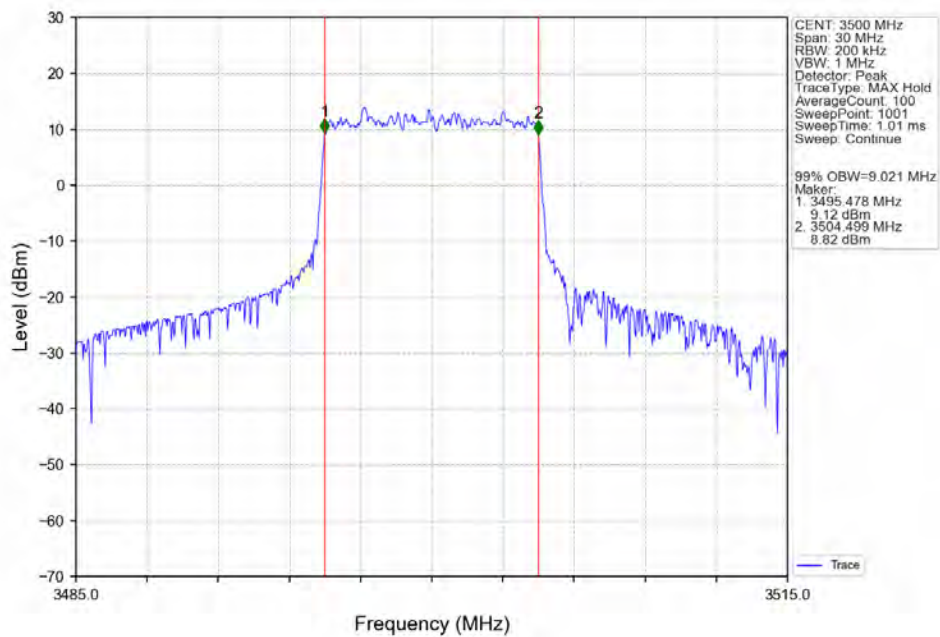
Band42a 10MHz 64QAM HCH 3545MHz RB 50 0 NTNV



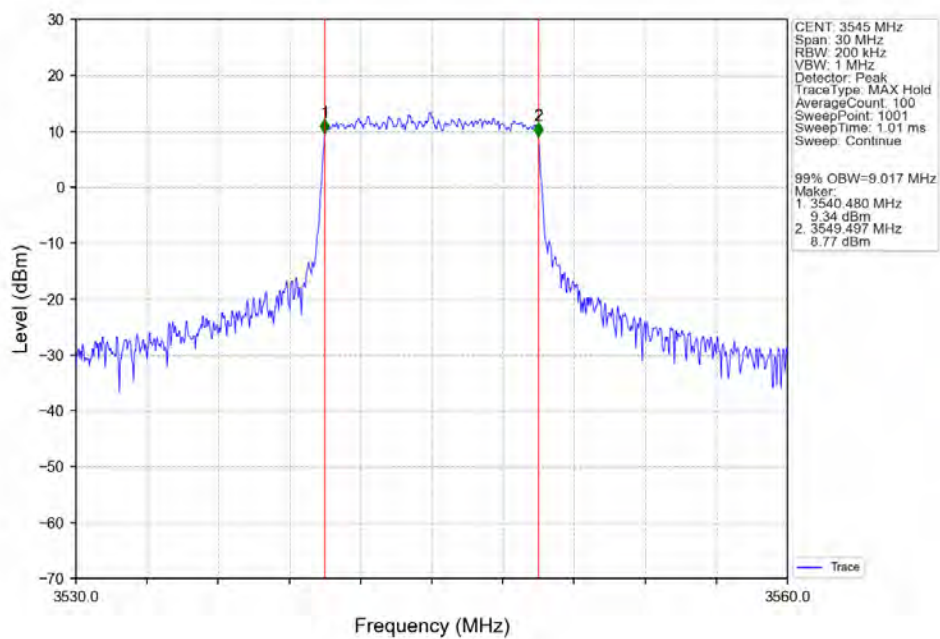
Band42a 10MHz 256QAM LCH 3455MHz RB 50 0 NTNV



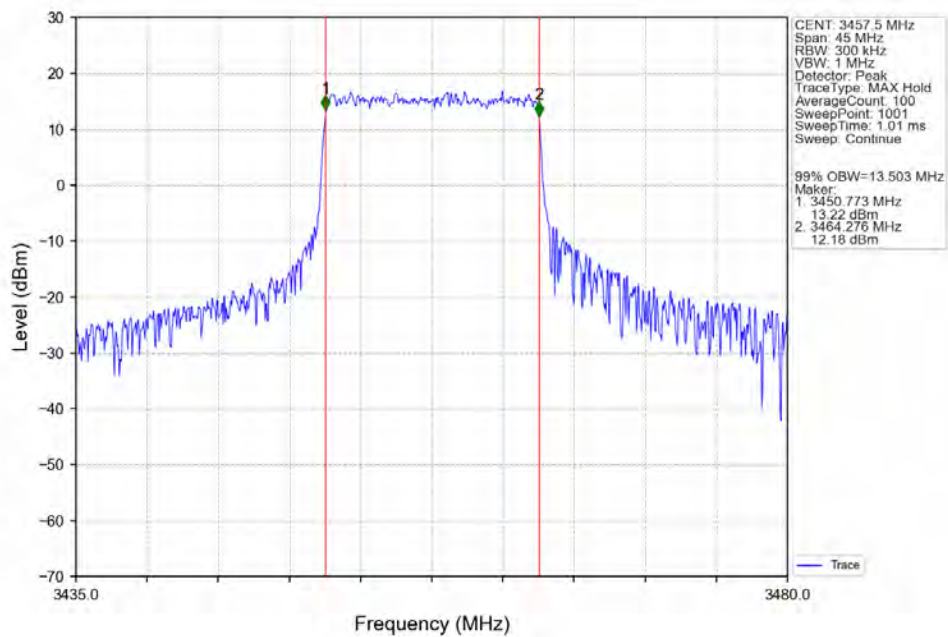
Band42a 10MHz 256QAM MCH 3500MHz RB 50 0 NTNV



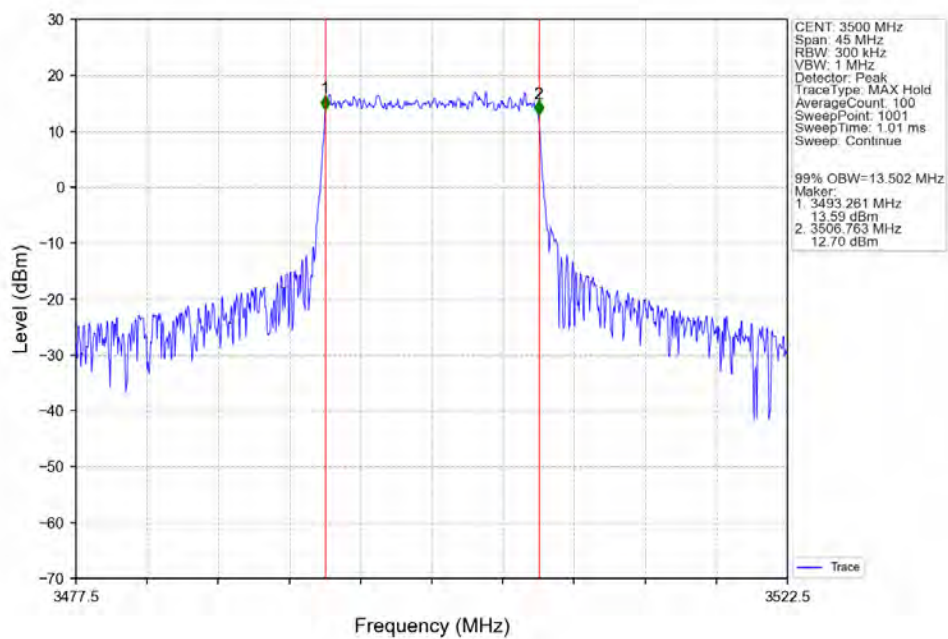
Band42a 10MHz 256QAM HCH 3545MHz RB 50 0 NTNV



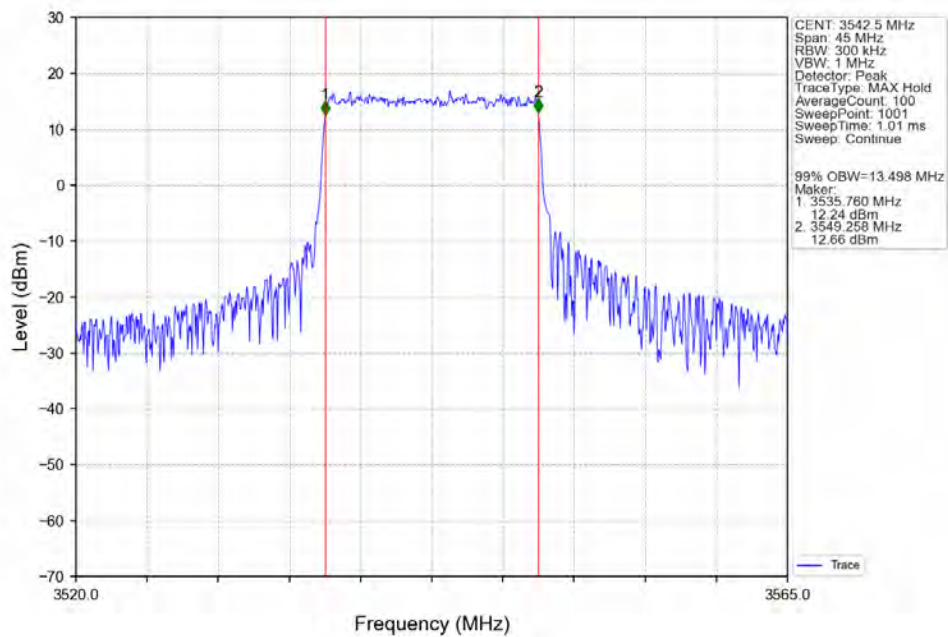
Band42a 15MHz QPSK LCH 3457.5MHz RB 75 0 NTNV



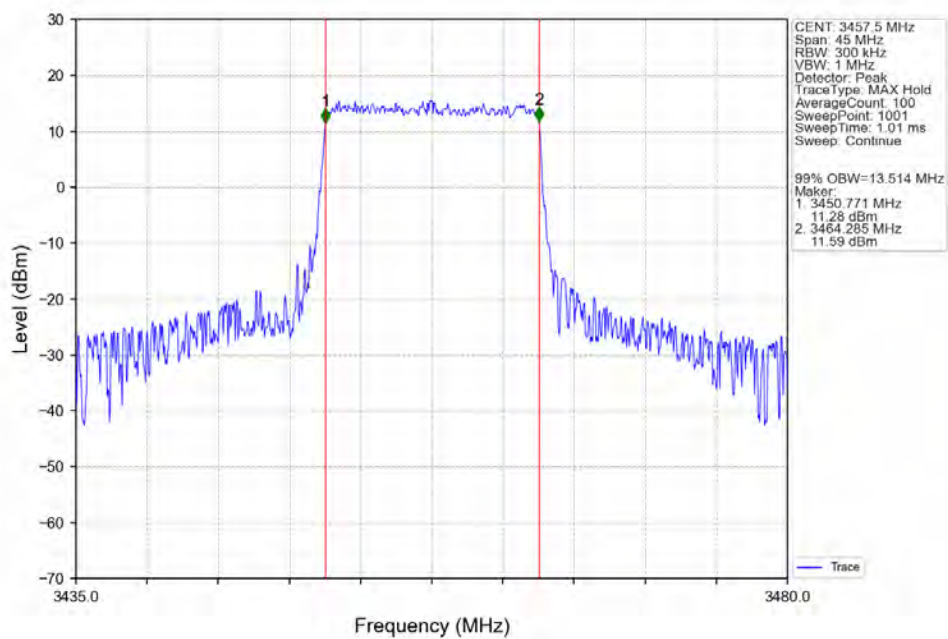
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTNV



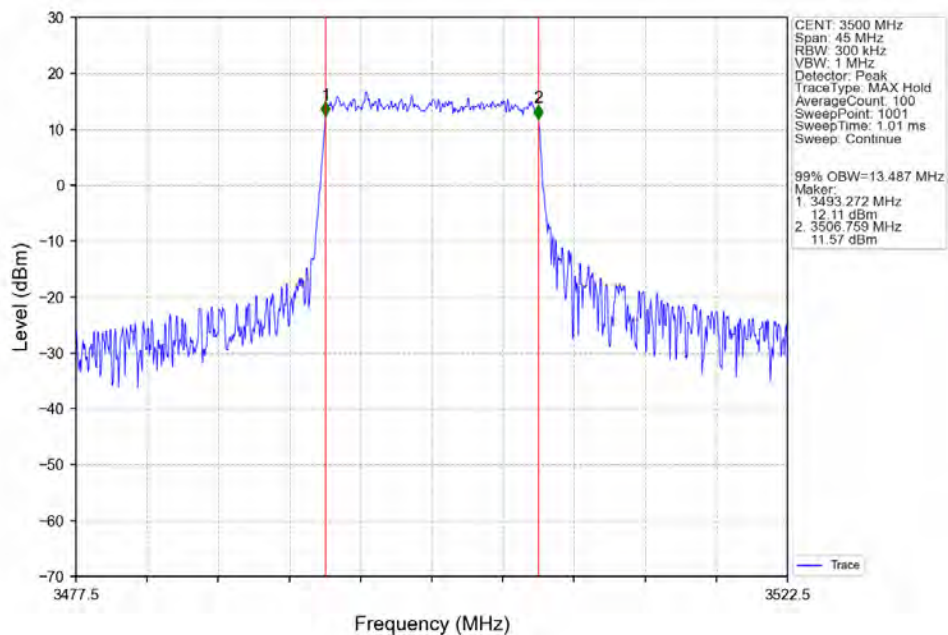
Band42a 15MHz QPSK HCH 3542.5MHz RB 75 0 NTNV



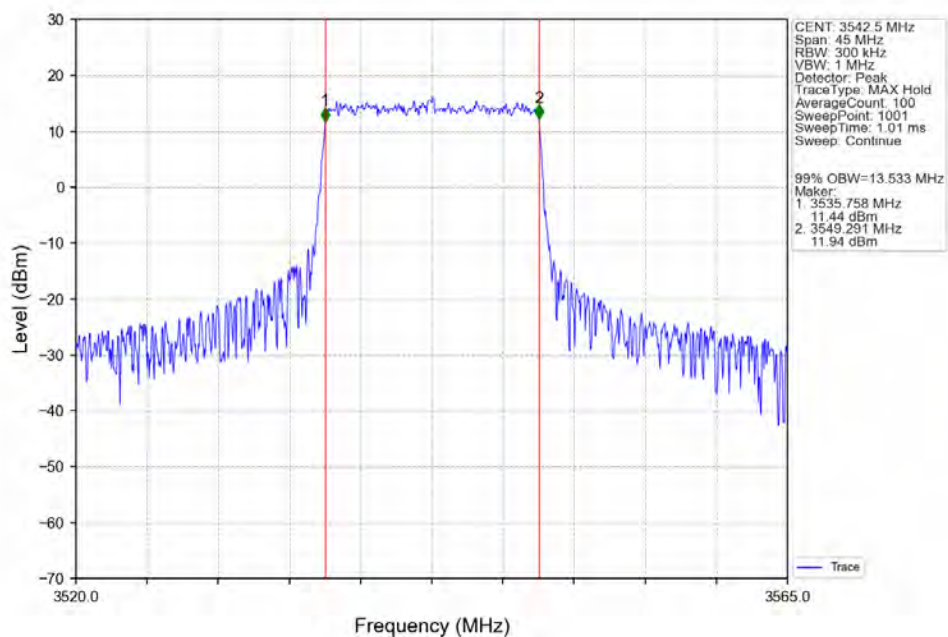
Band42a 15MHz 16QAM LCH 3457.5MHz RB 75 0 NTNV



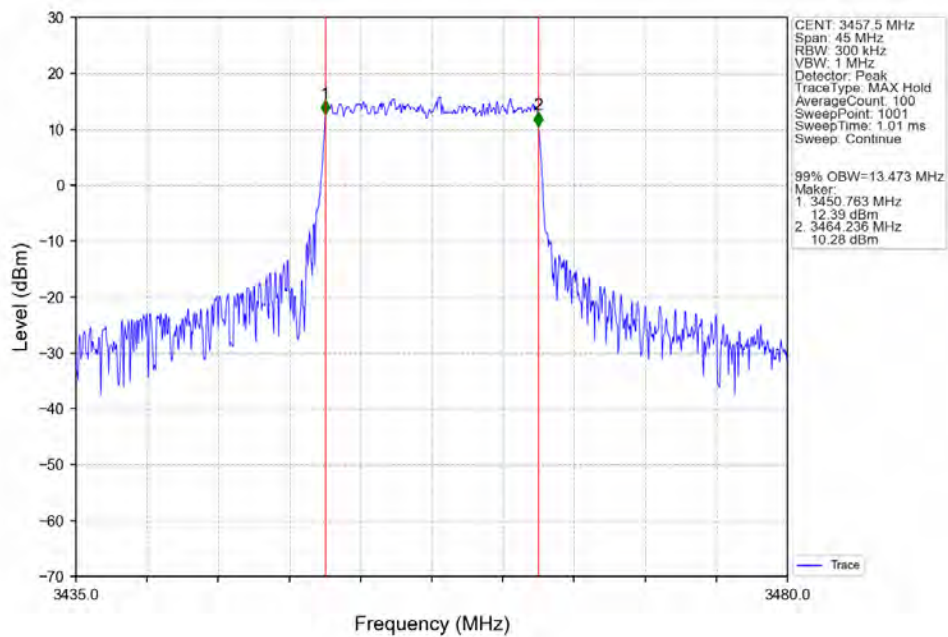
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTNV



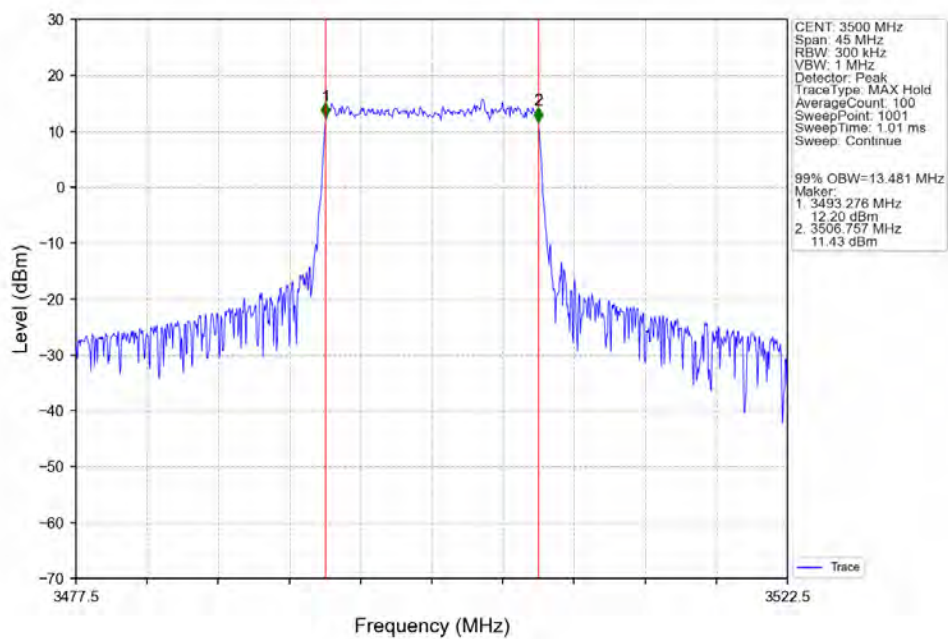
Band42a 15MHz 16QAM HCH 3542.5MHz RB 75 0 NTNV



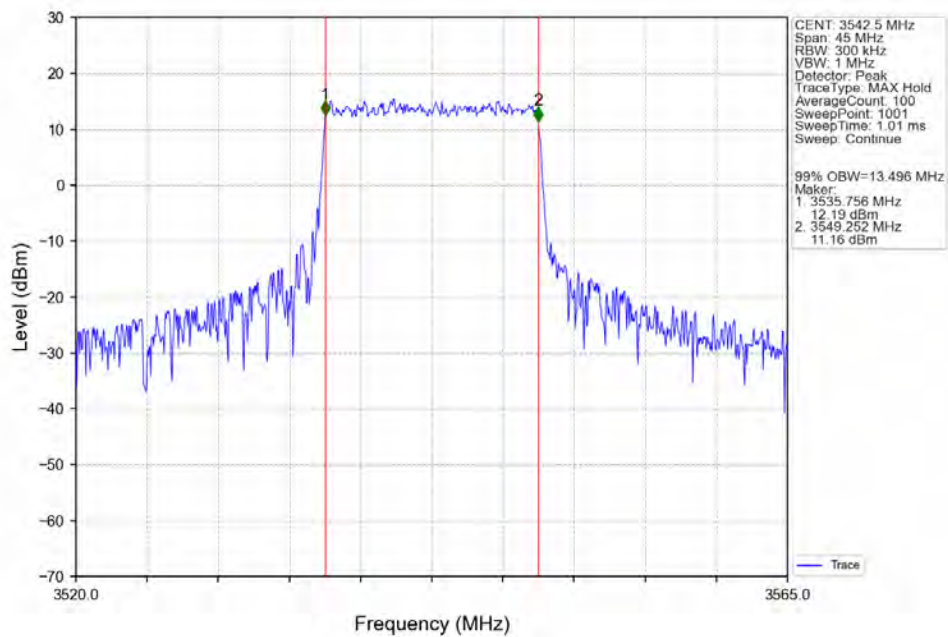
Band42a 15MHz 64QAM LCH 3457.5MHz RB 75 0 NTNV



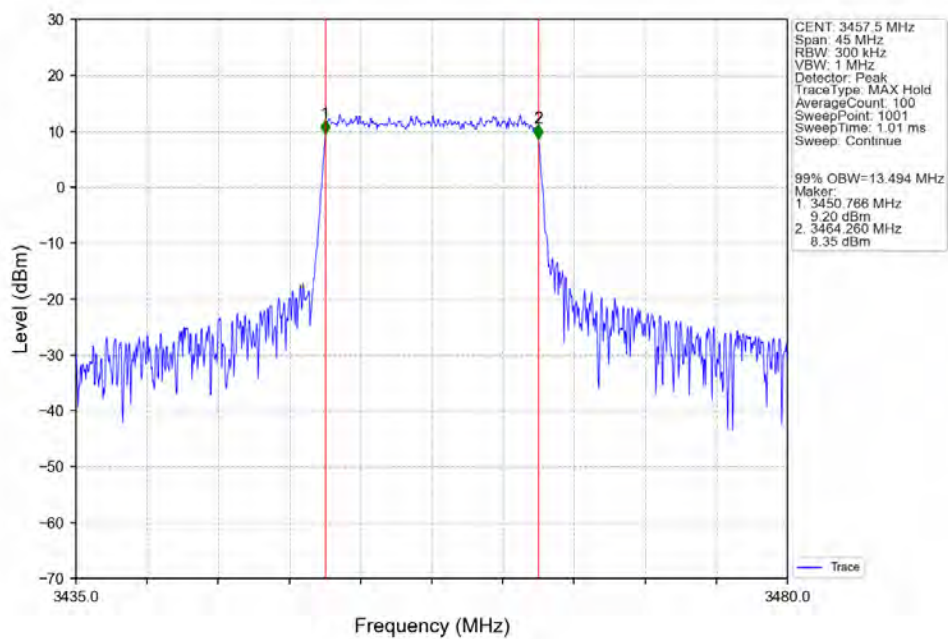
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTNV



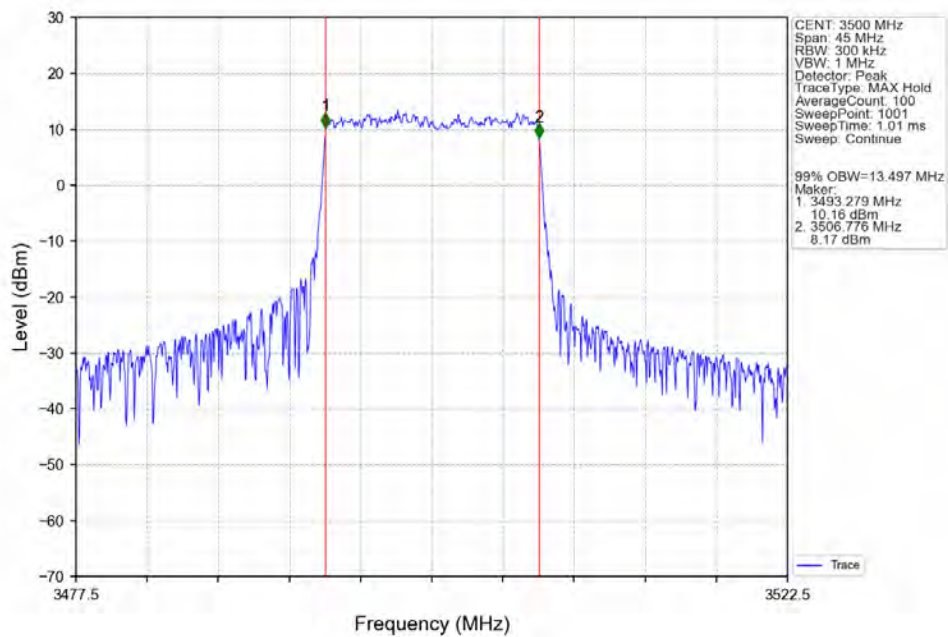
Band42a 15MHz 64QAM HCH 3542.5MHz RB 75 0 NTNV



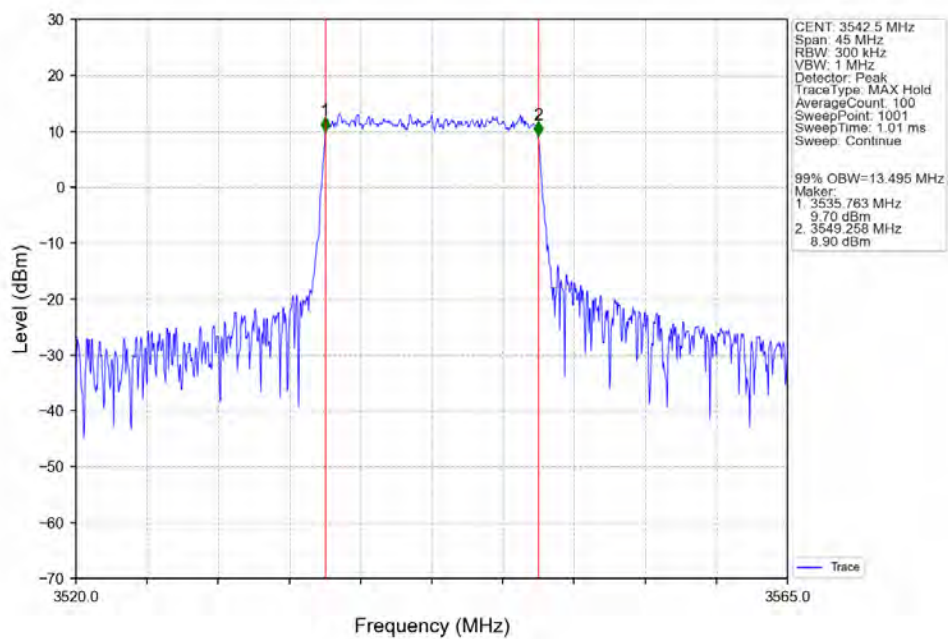
Band42a 15MHz 256QAM LCH 3457.5MHz RB 75 0 NTNV



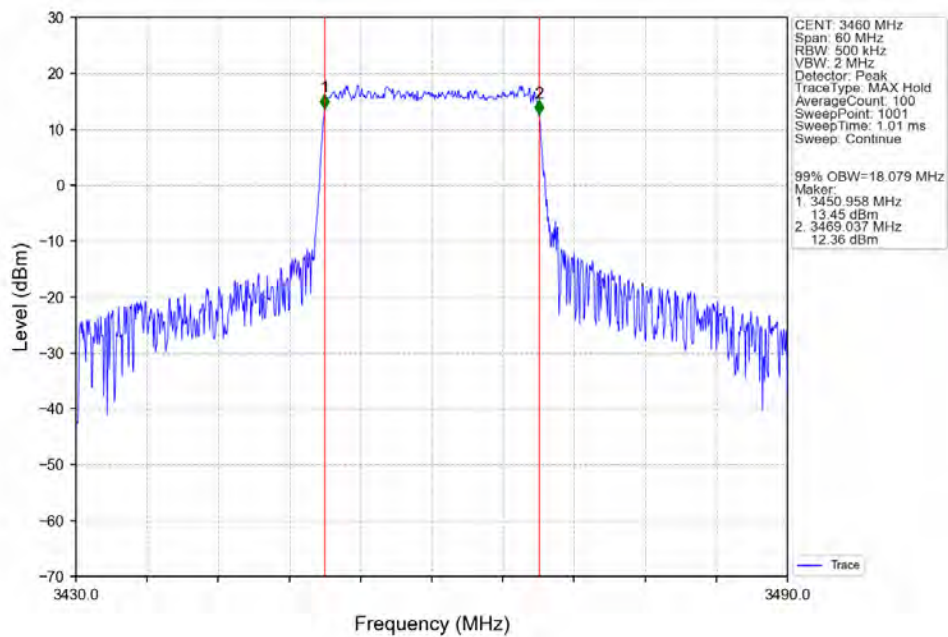
Band42a 15MHz 256QAM MCH 3500MHz RB 75 0 NTNV



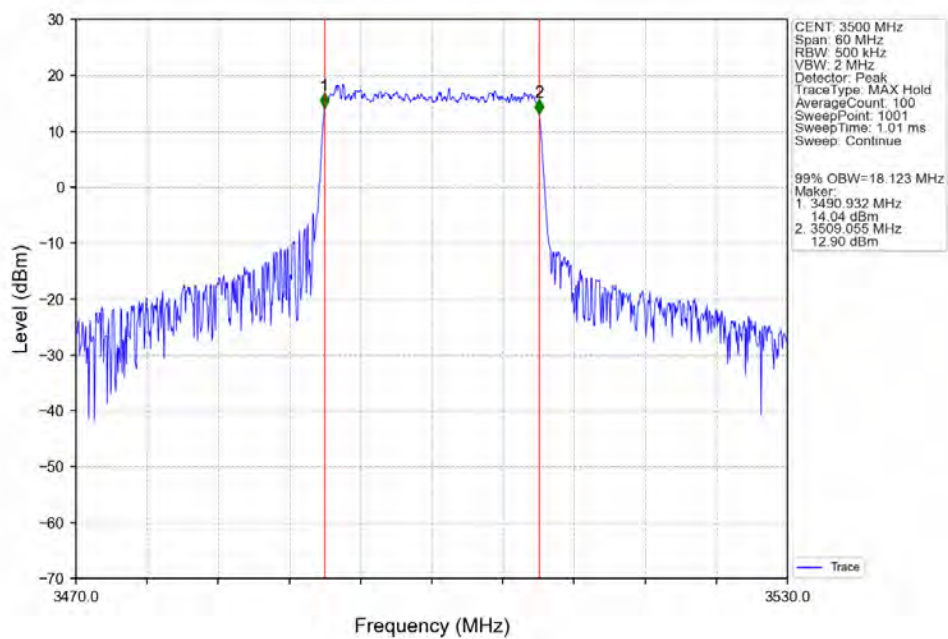
Band42a 15MHz 256QAM HCH 3542.5MHz RB 75 0 NTNV



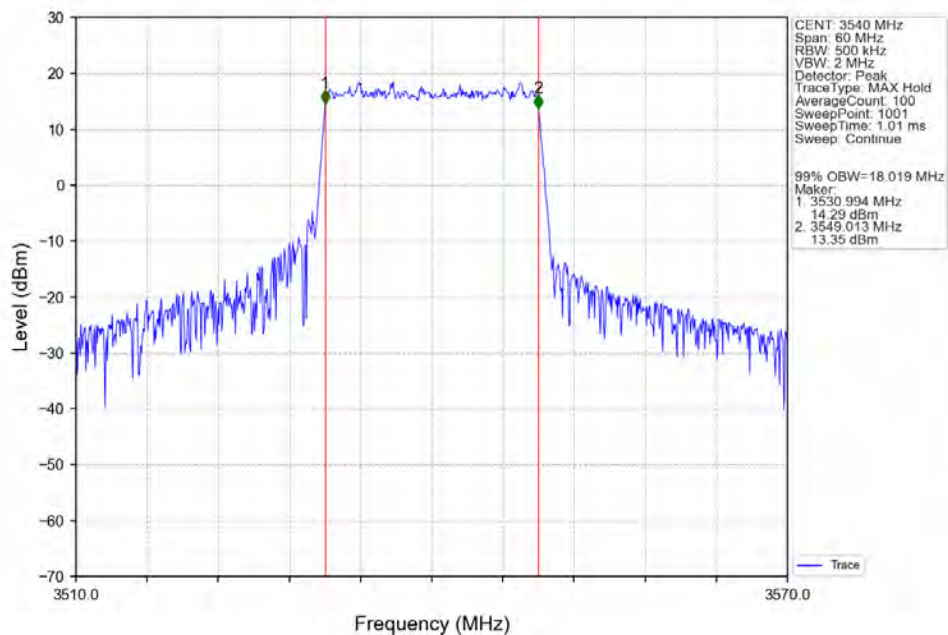
Band42a 20MHz QPSK LCH 3460MHz RB 100 0 NTNV



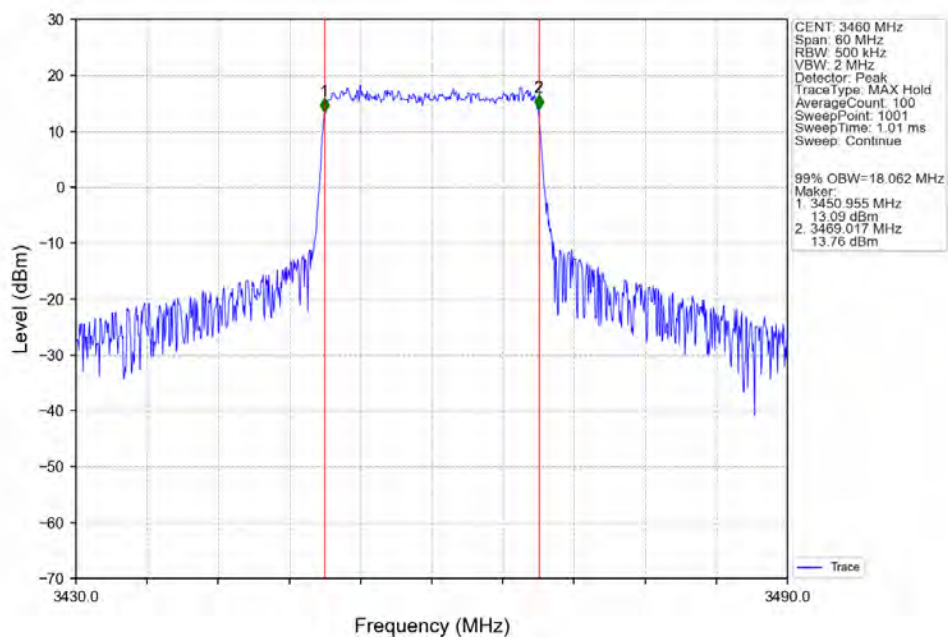
Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTNV



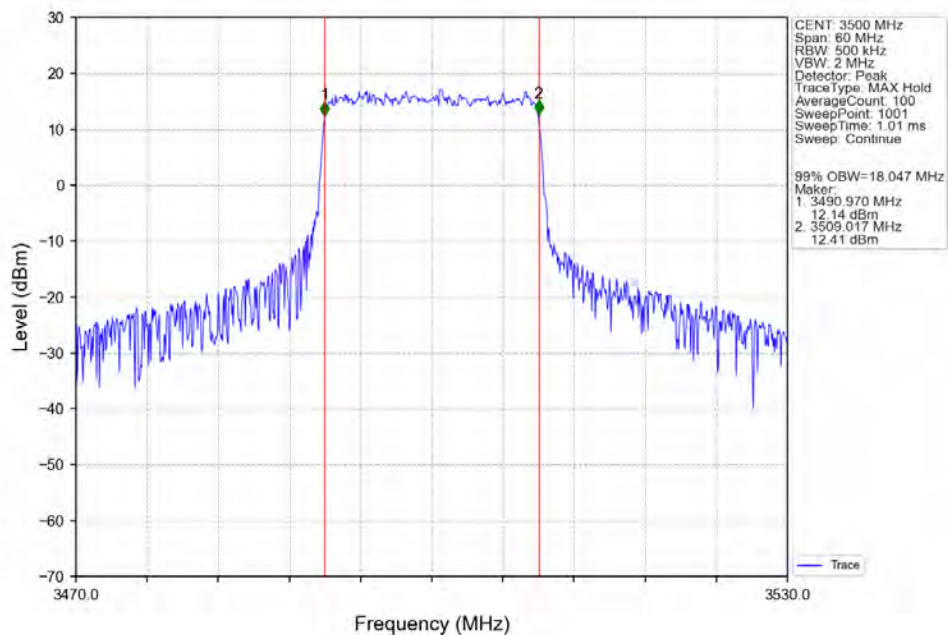
Band42a 20MHz QPSK HCH 3540MHz RB 100 0 NTNV



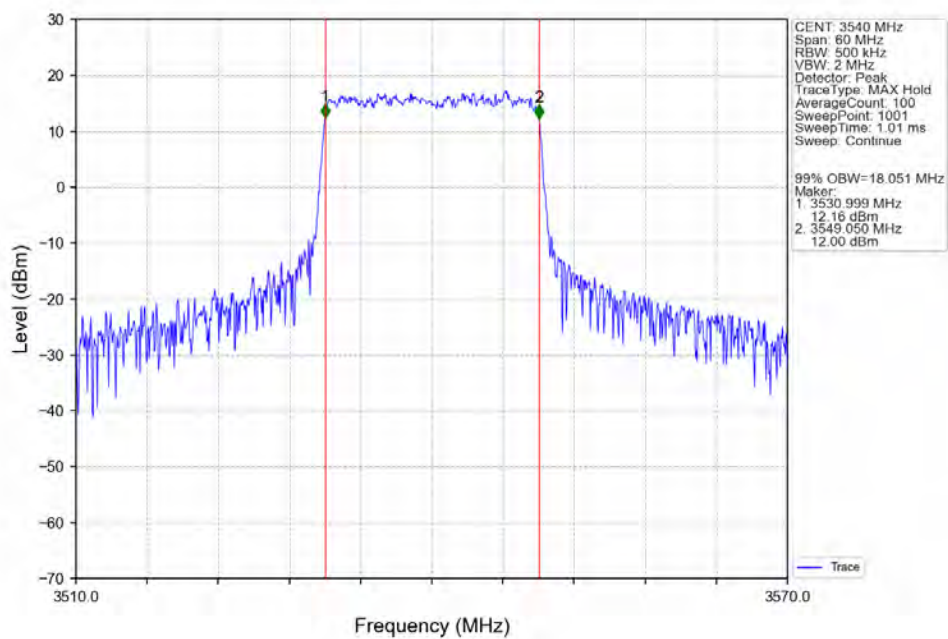
Band42a 20MHz 16QAM LCH 3460MHz RB 100 0 NTNV



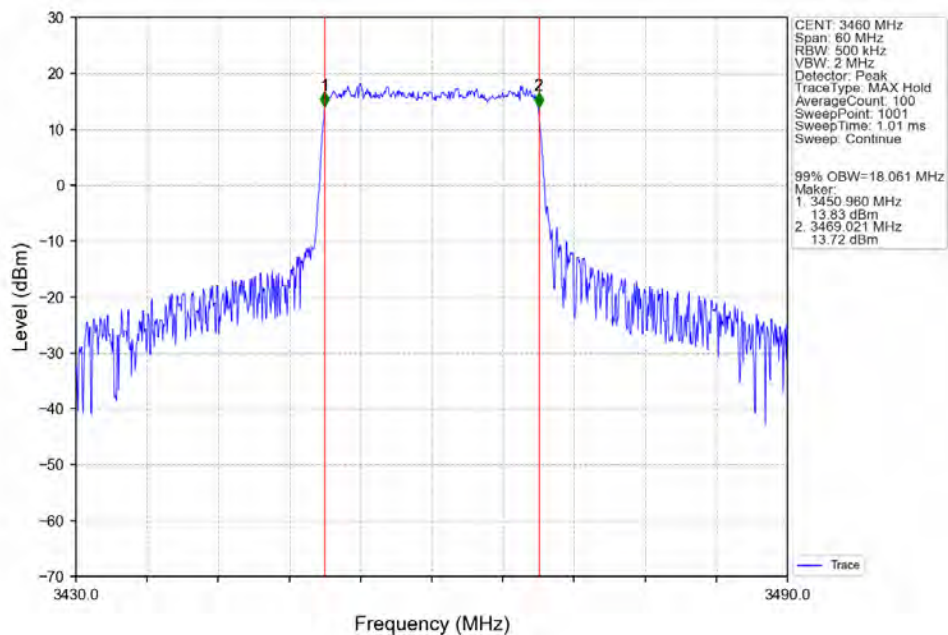
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTNV



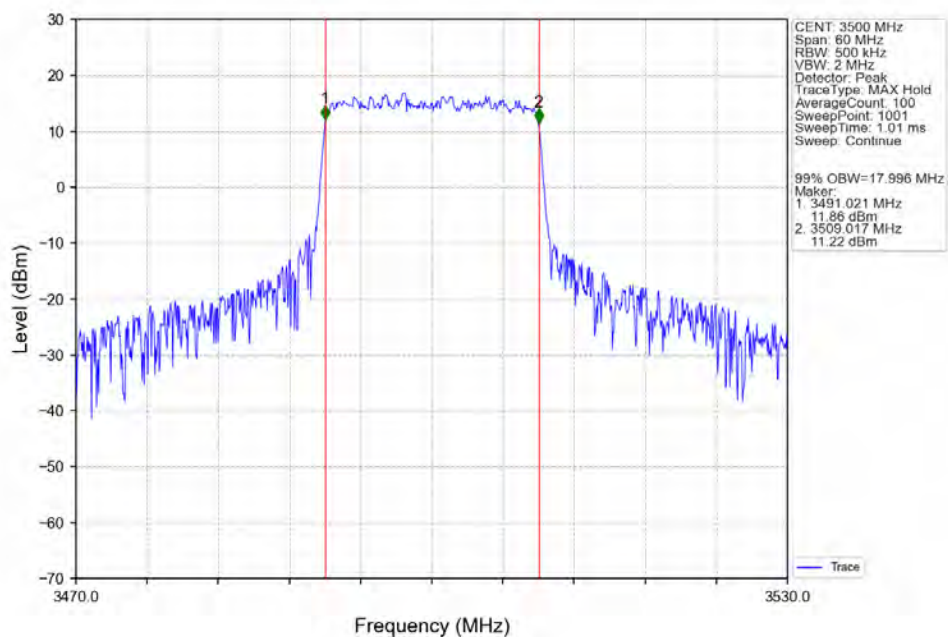
Band42a 20MHz 16QAM HCH 3540MHz RB 100 0 NTNV



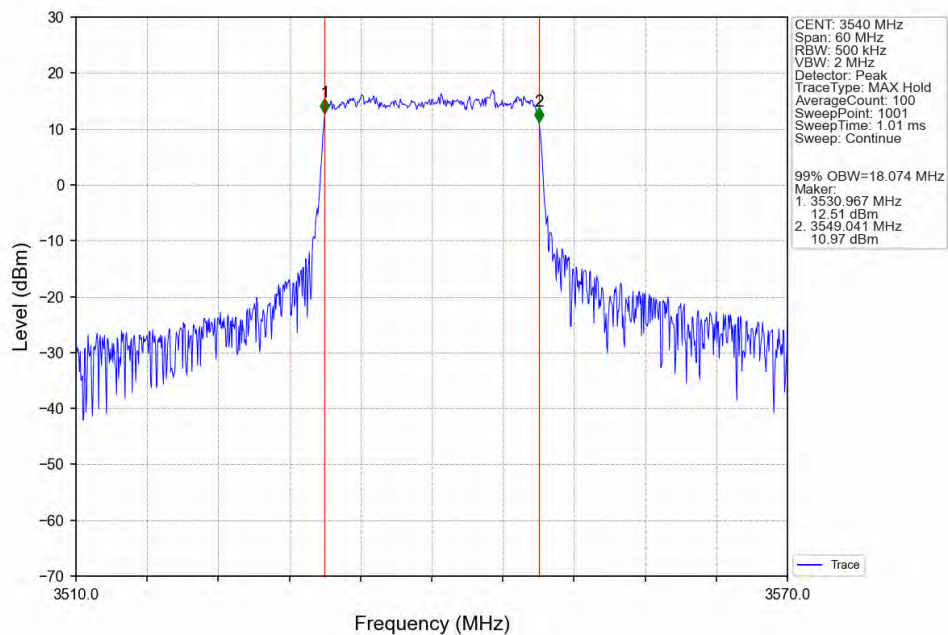
Band42a 20MHz 64QAM LCH 3460MHz RB 100 0 NTNV



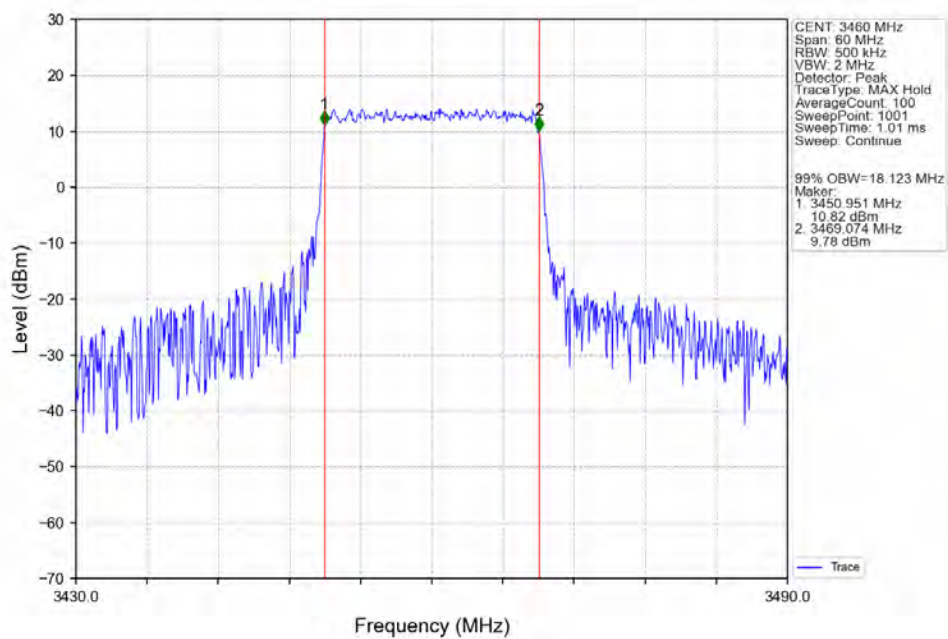
Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTNV



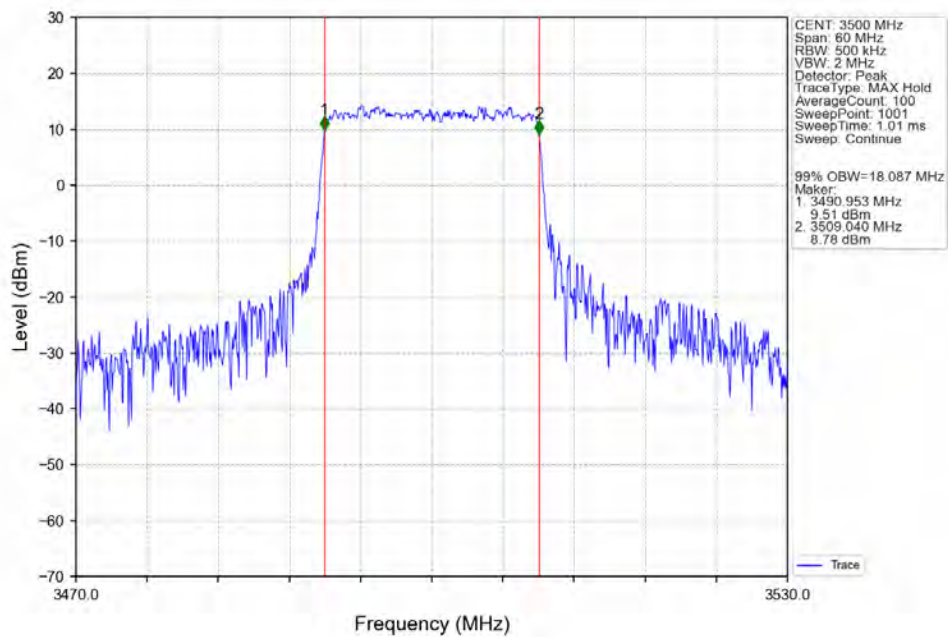
Band42a 20MHz 64QAM HCH 3540MHz RB 100 0 NTNV



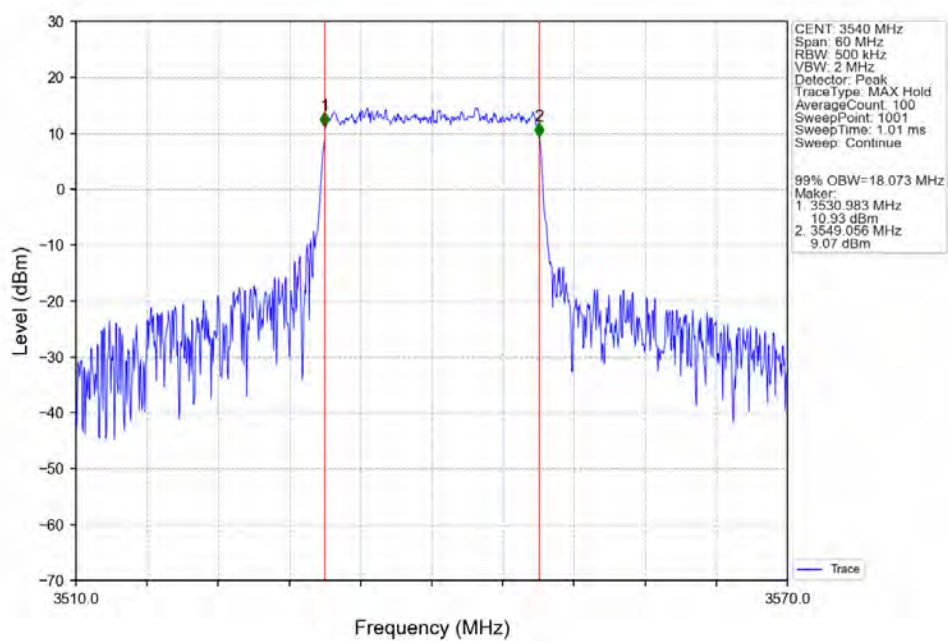
Band42a 20MHz 256QAM LCH 3460MHz RB 100 0 NTNV



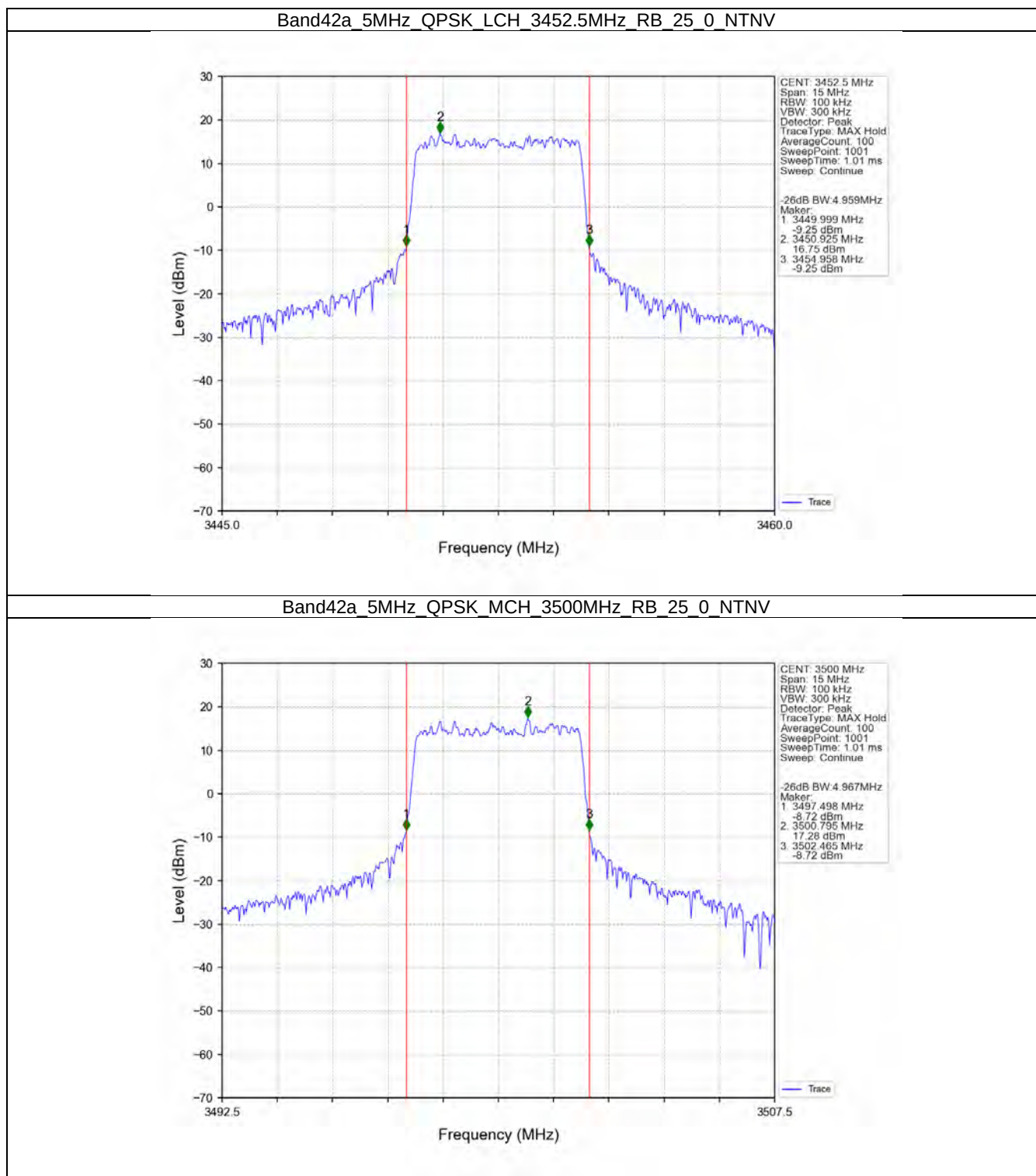
Band42a 20MHz 256QAM MCH 3500MHz RB 100 0 NTV



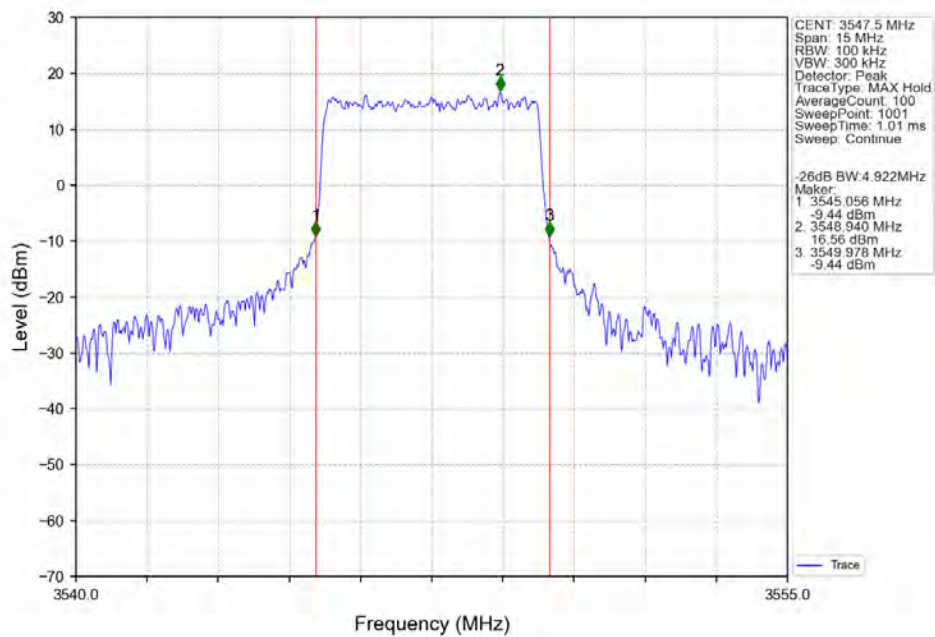
Band42a 20MHz 256QAM HCH 3540MHz RB 100 0 NTV



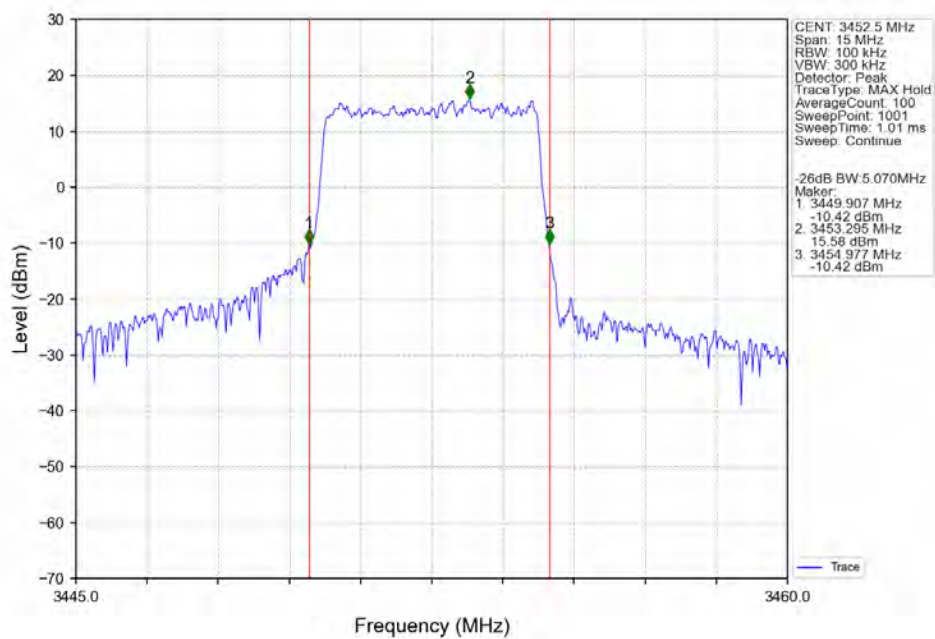
3.2.2 Band42a_XDB



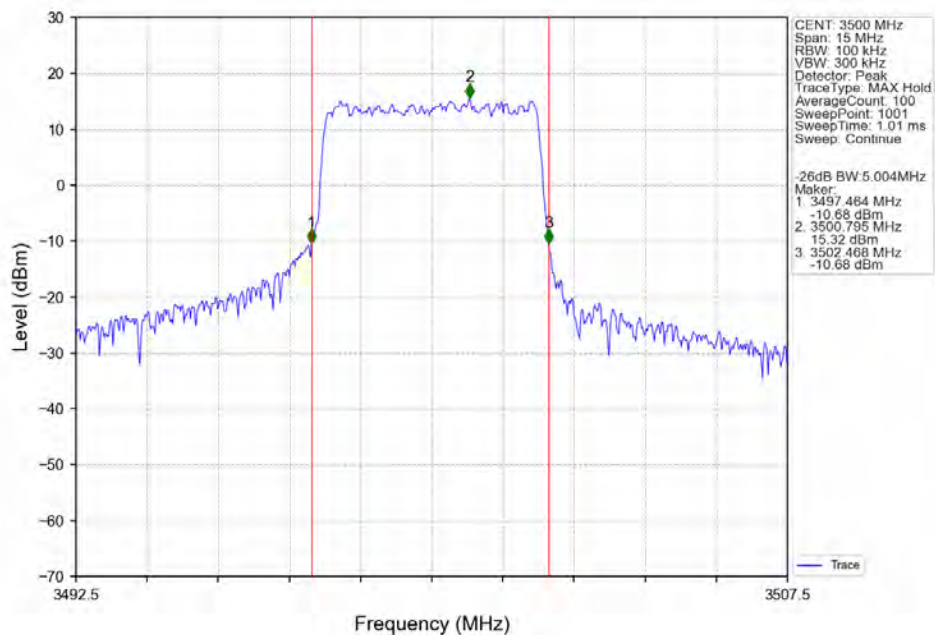
Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTNV



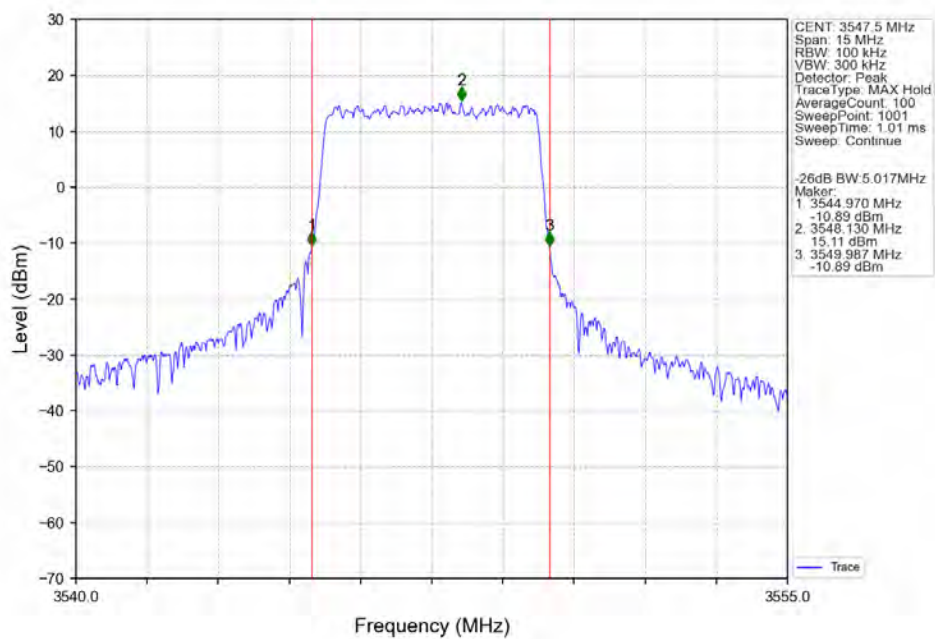
Band42a 5MHz 16QAM LCH 3452.5MHz RB 25 0 NTNV



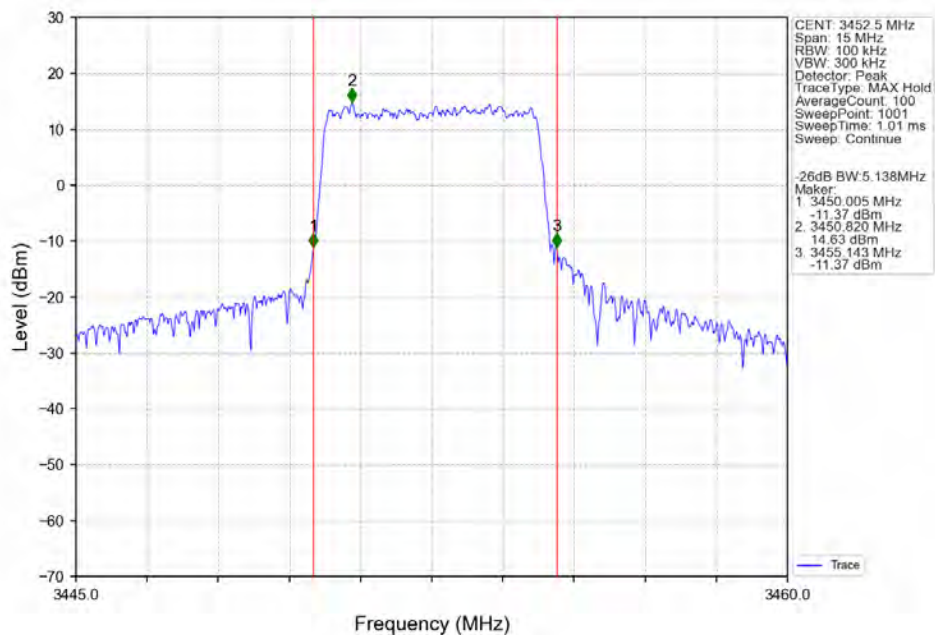
Band42a 5MHz 16QAM MCH 3500MHz RB 25 0 NTNV



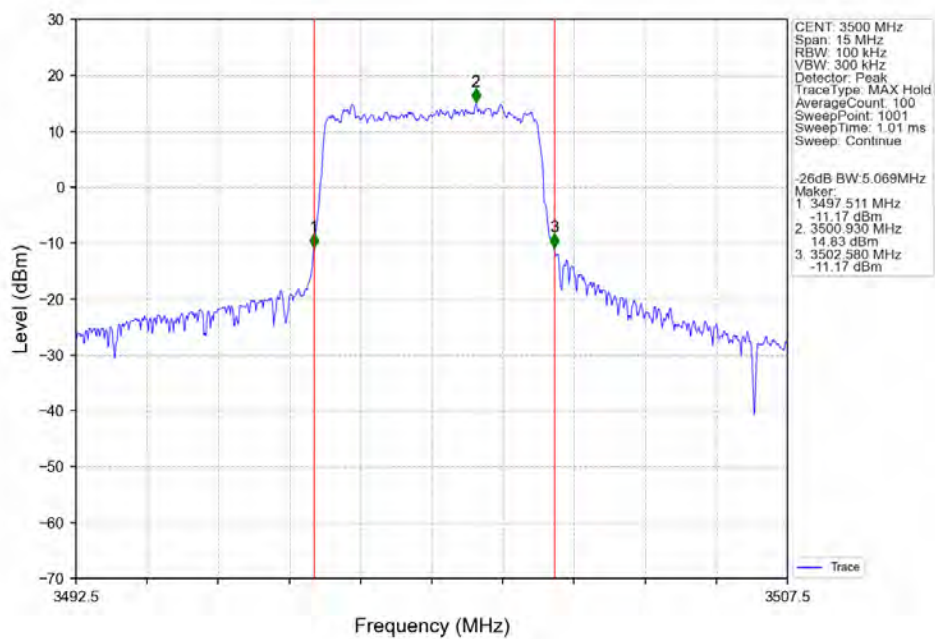
Band42a 5MHz 16QAM HCH 3547.5MHz RB 25 0 NTNV



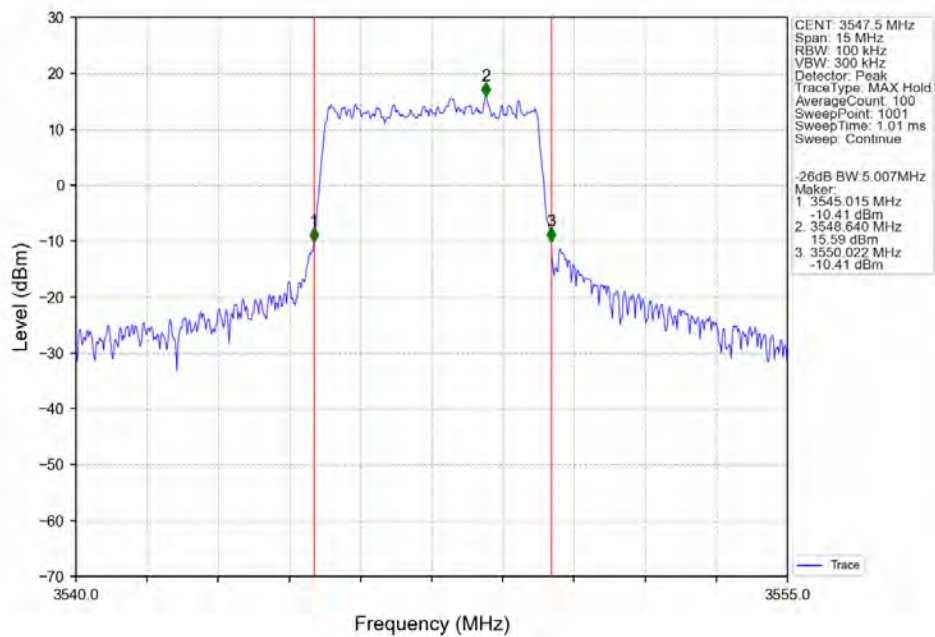
Band42a 5MHz 64QAM LCH 3452.5MHz RB 25 0 NTNV



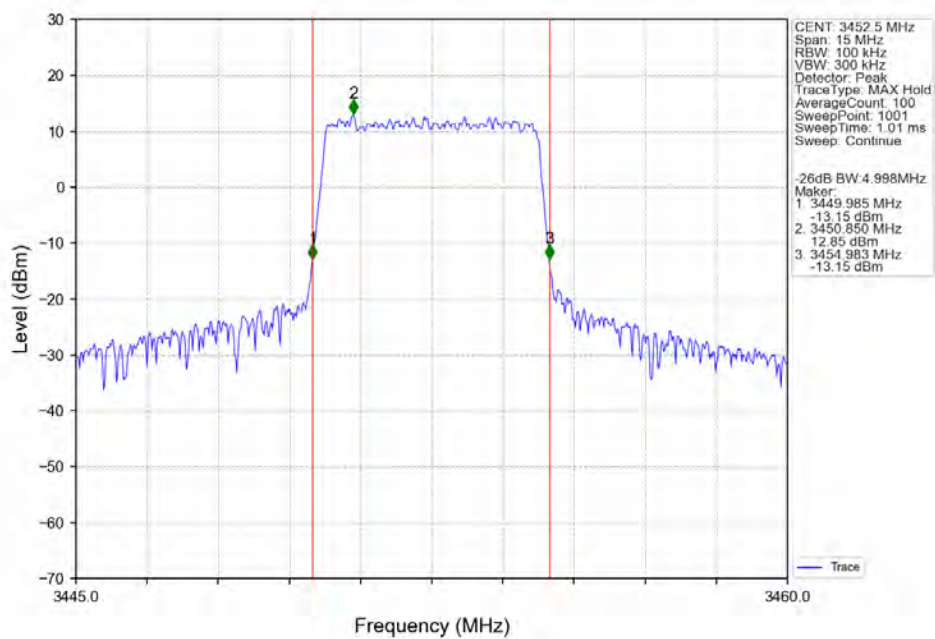
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTNV



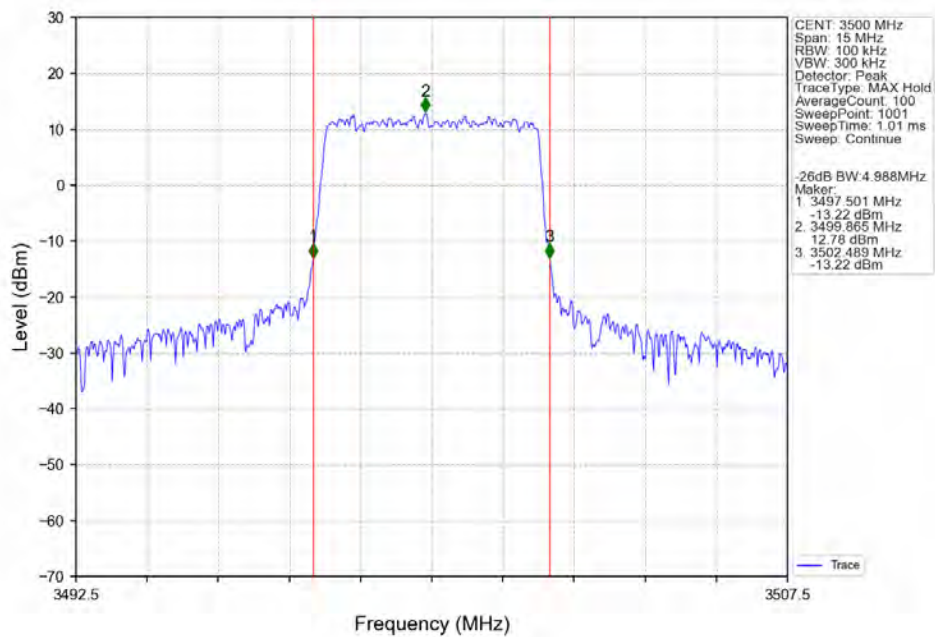
Band42a 5MHz 64QAM HCH 3547.5MHz RB 25 0 NTNV



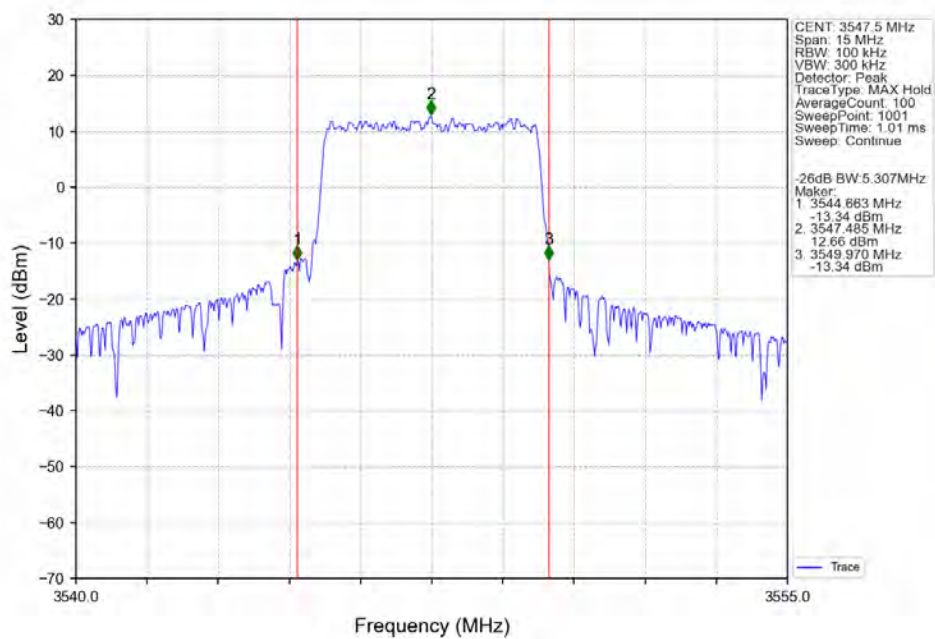
Band42a 5MHz 256QAM LCH 3452.5MHz RB 25 0 NTNV



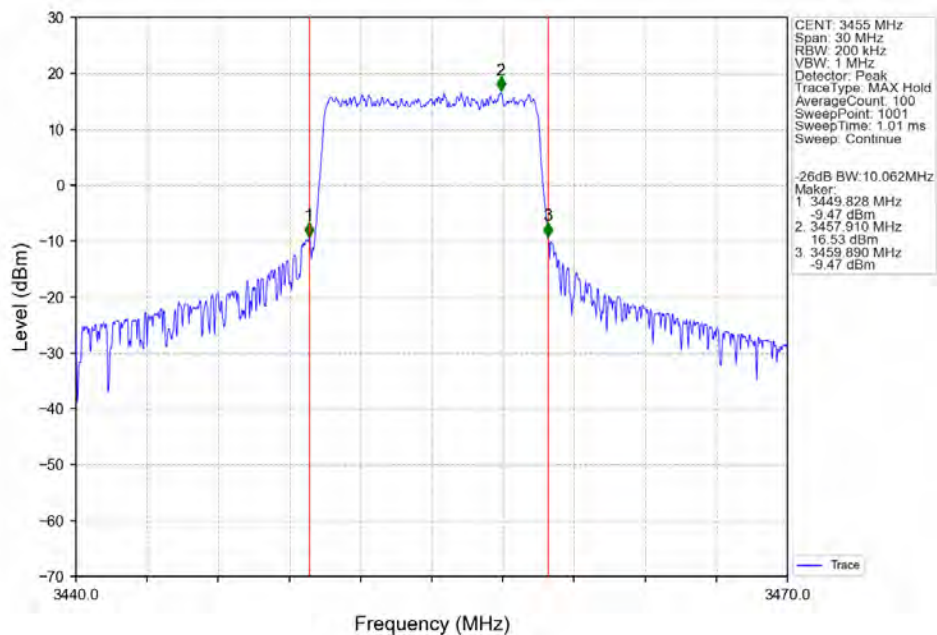
Band42a 5MHz 256QAM MCH 3500MHz RB 25 0 NTNV



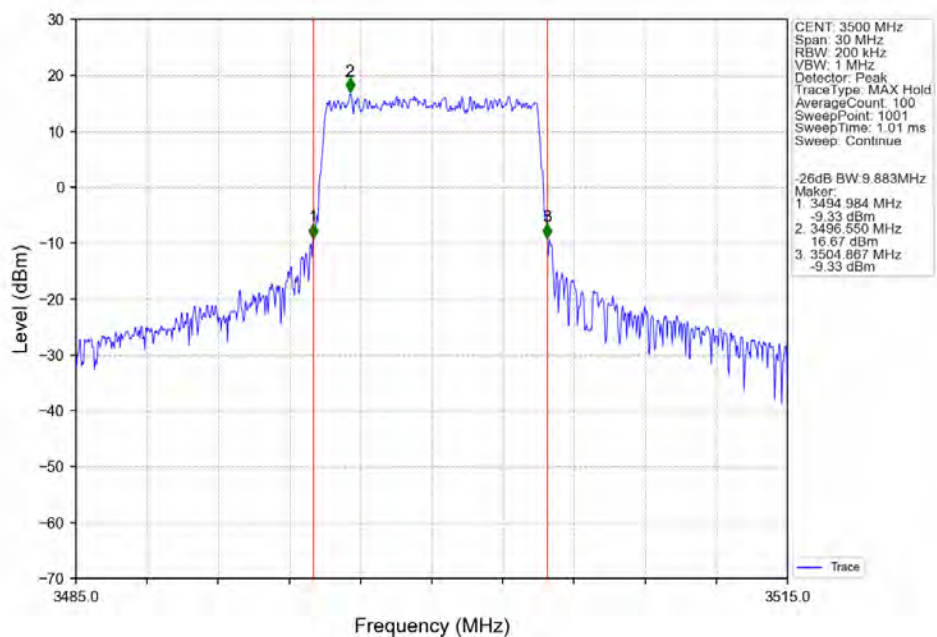
Band42a 5MHz 256QAM HCH 3547.5MHz RB 25 0 NTNV



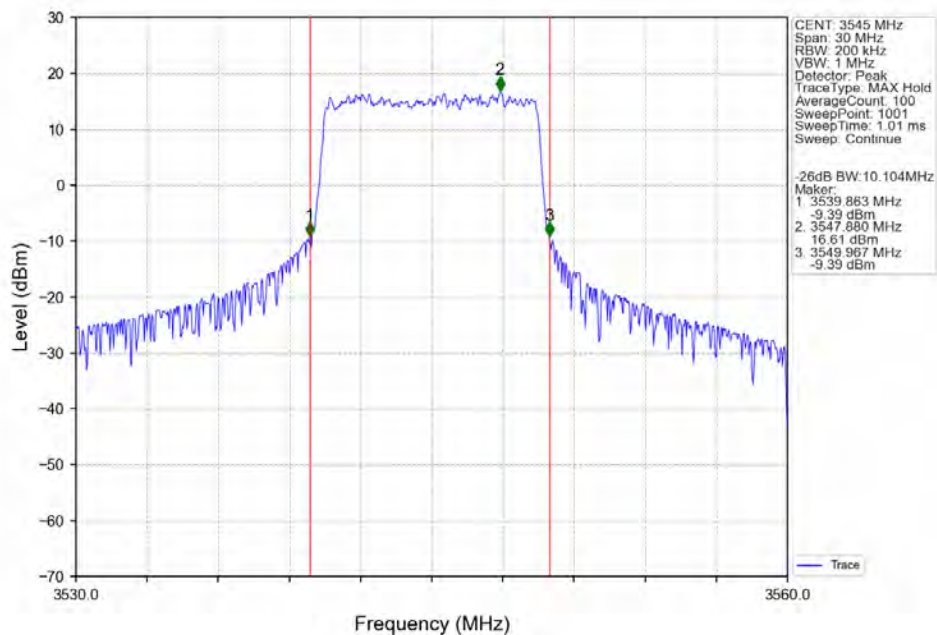
Band42a 10MHz QPSK LCH 3455MHz RB 50 0 NTNV



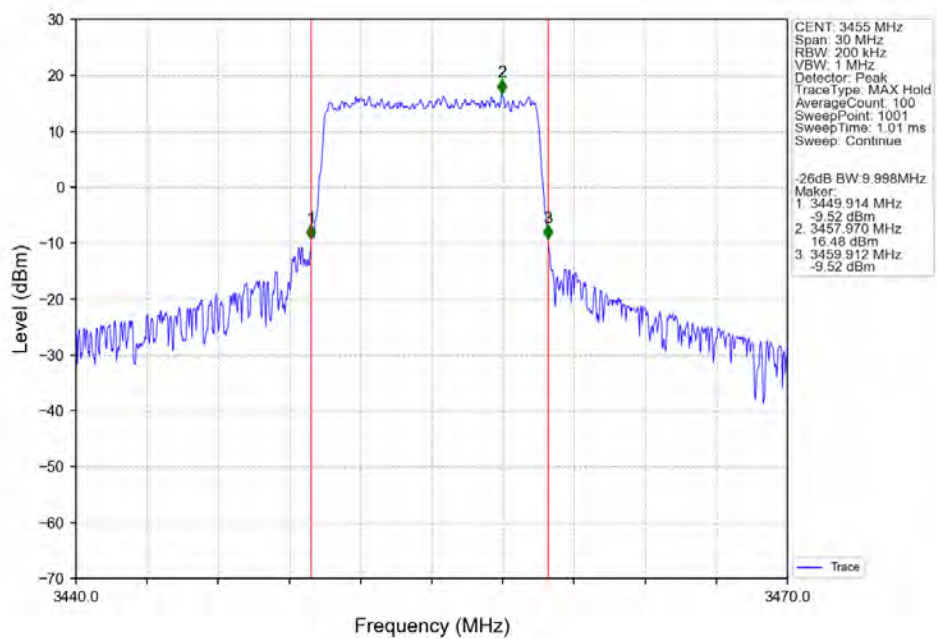
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTNV



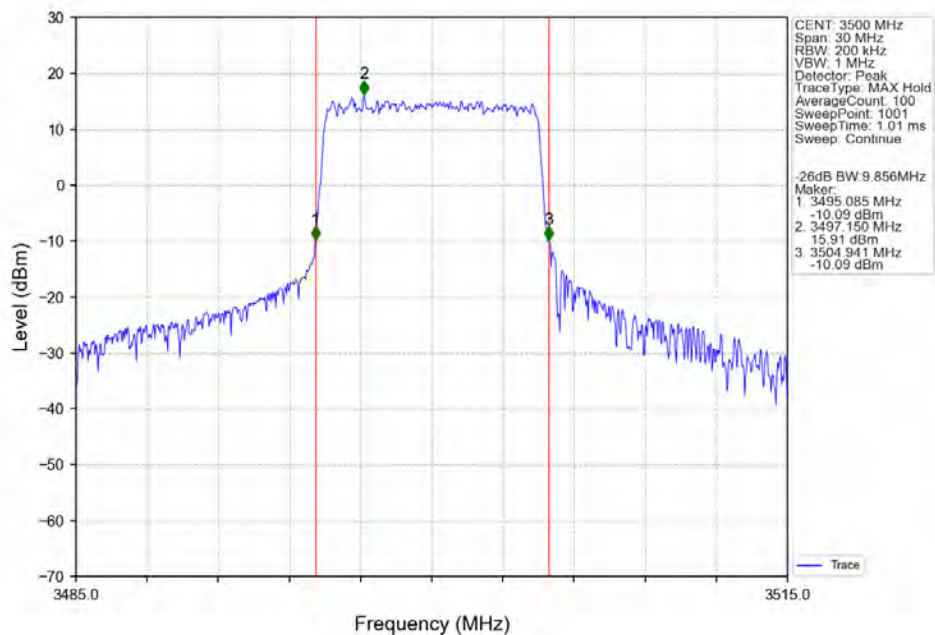
Band42a 10MHz QPSK HCH 3545MHz RB 50 0 NTNV



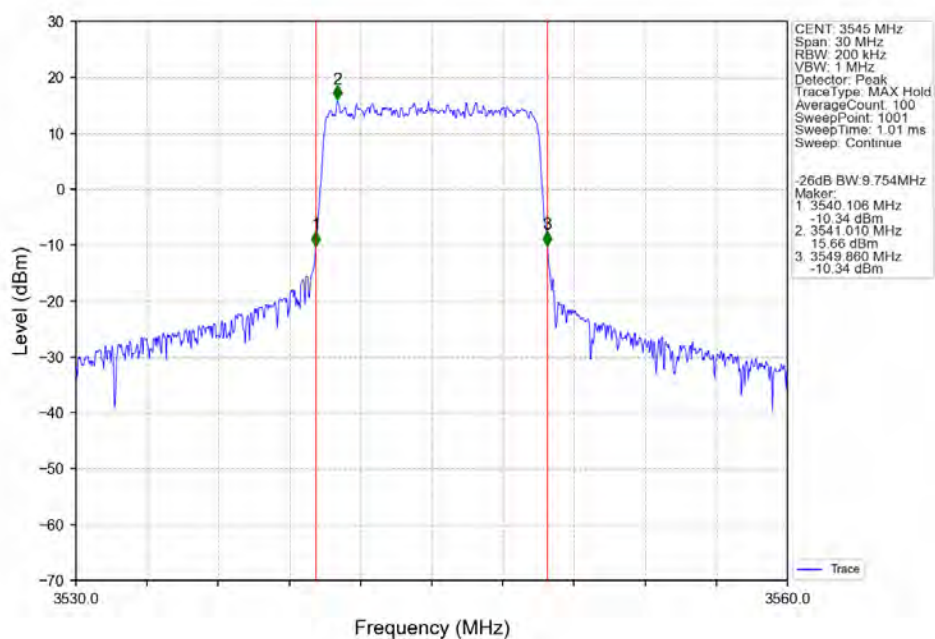
Band42a 10MHz 16QAM LCH 3455MHz RB 50 0 NTNV



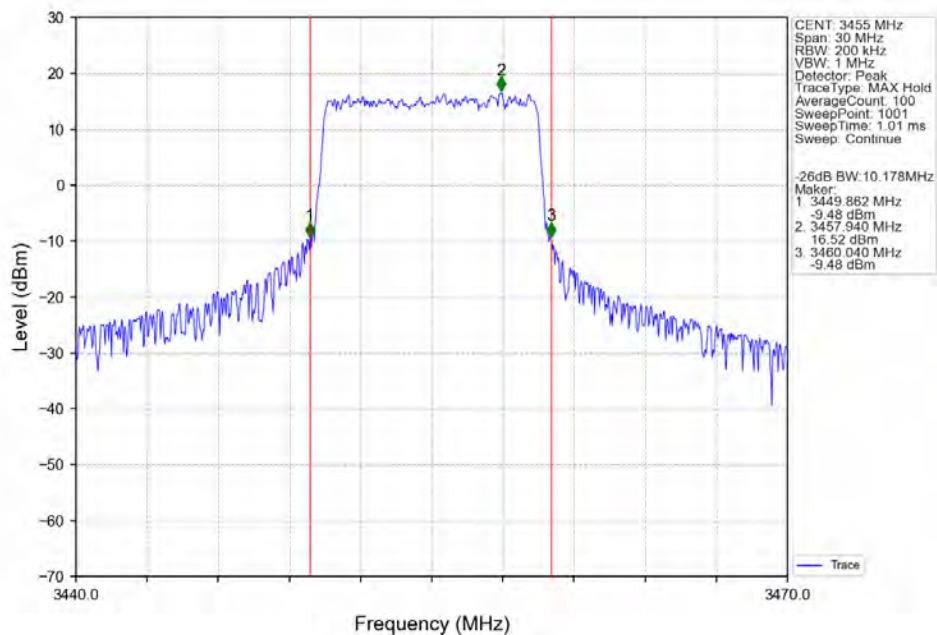
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTNV



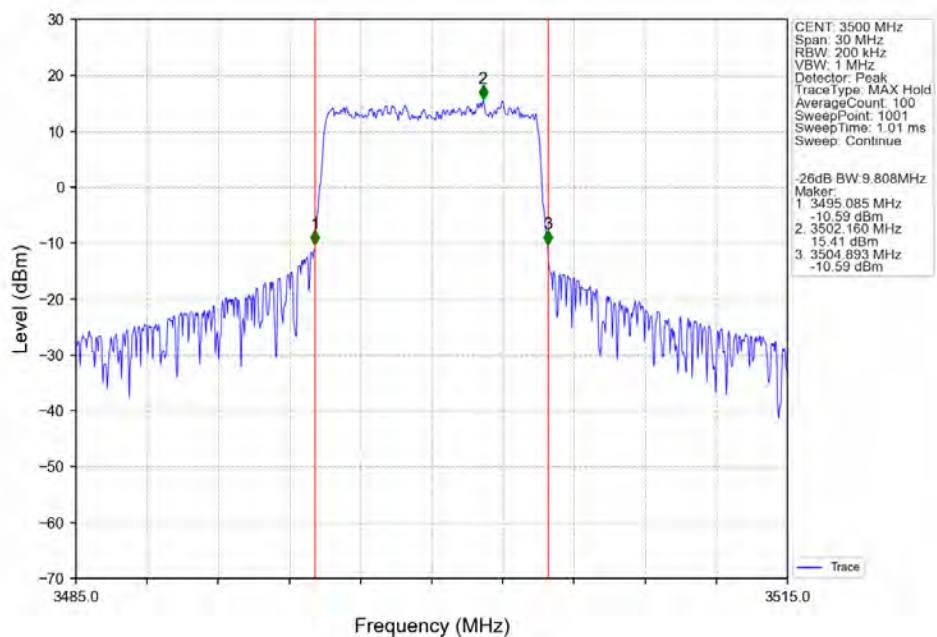
Band42a 10MHz 16QAM HCH 3545MHz RB 50 0 NTNV



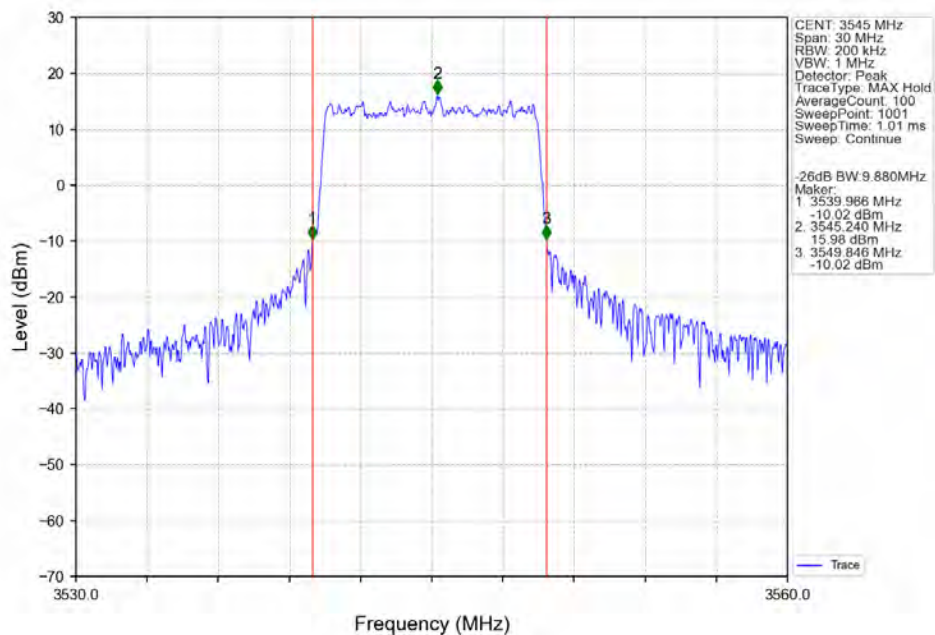
Band42a 10MHz 64QAM LCH 3455MHz RB 50 0 NTNV



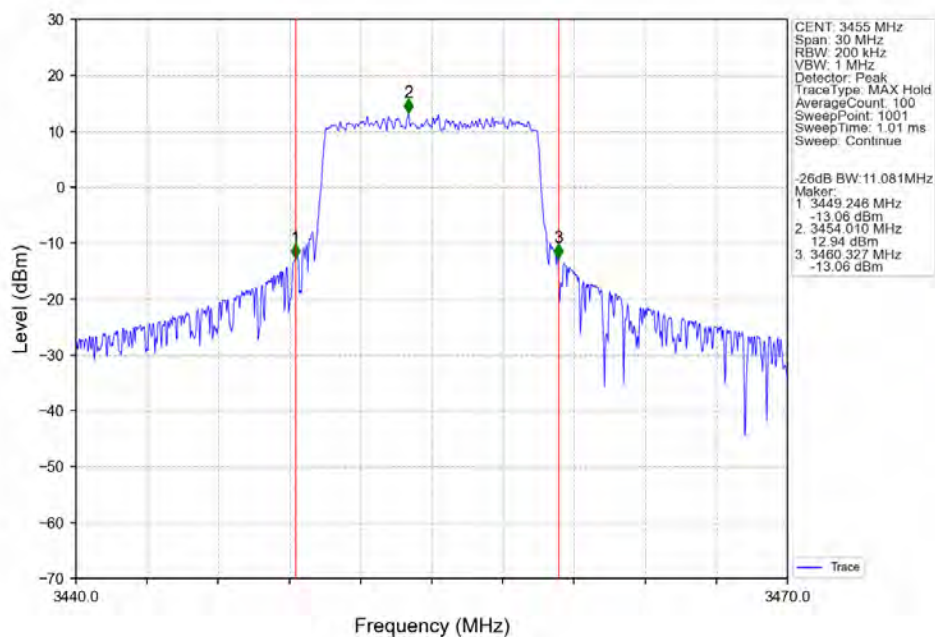
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTNV



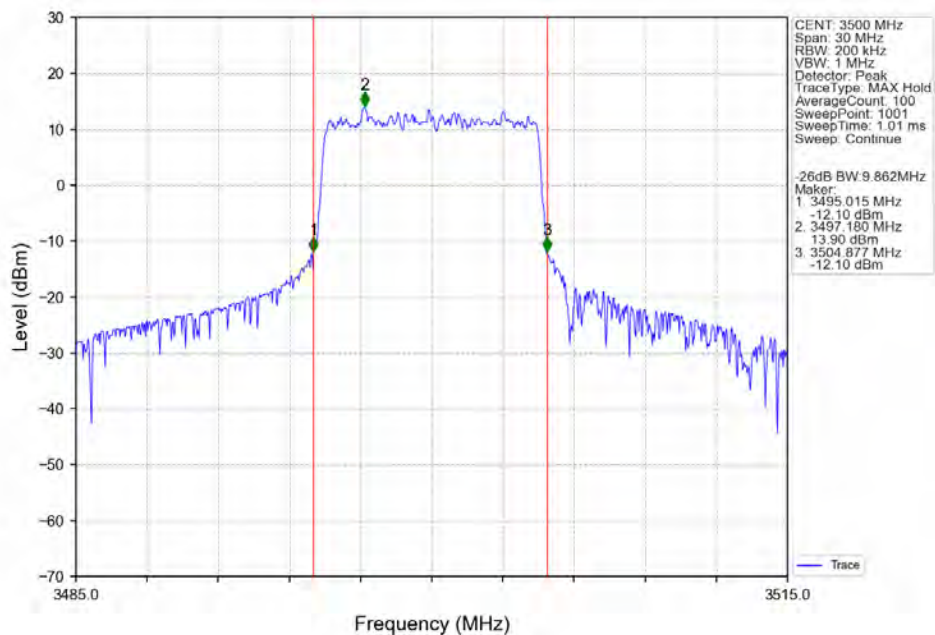
Band42a 10MHz 64QAM HCH 3545MHz RB 50 0 NTNV



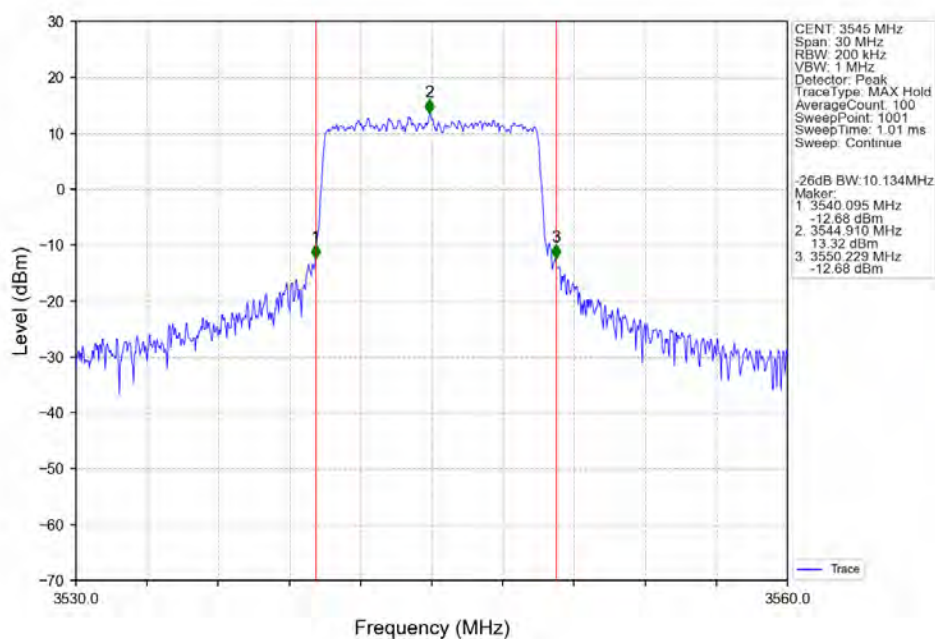
Band42a 10MHz 256QAM LCH 3455MHz RB 50 0 NTNV



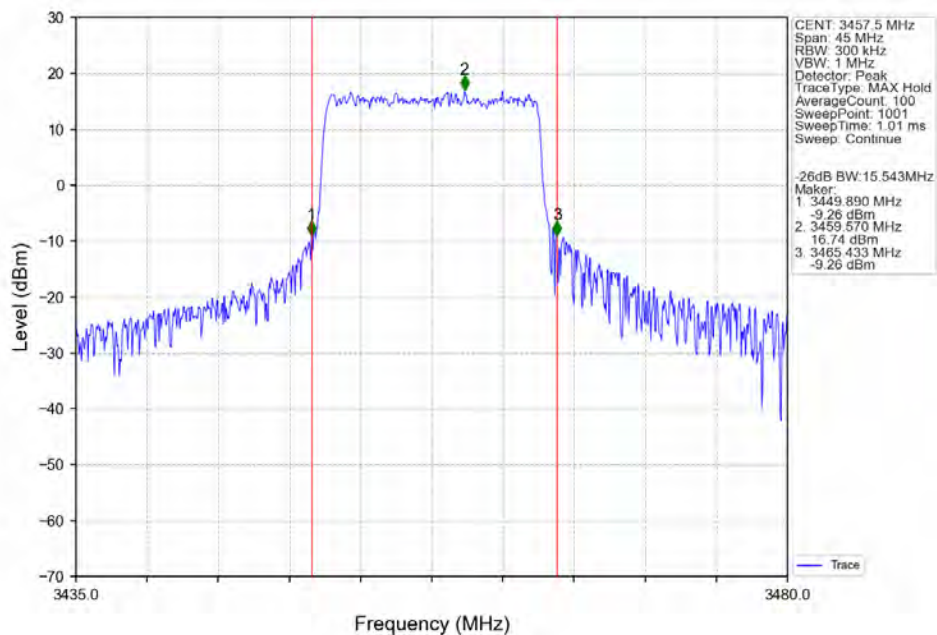
Band42a 10MHz 256QAM MCH 3500MHz RB 50 0 NTNV



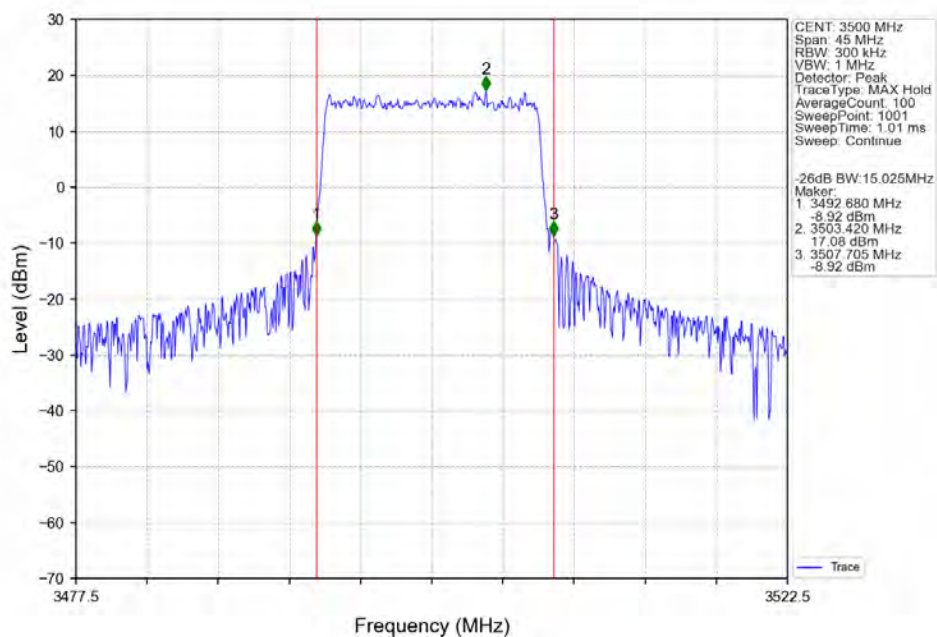
Band42a 10MHz 256QAM HCH 3545MHz RB 50 0 NTNV



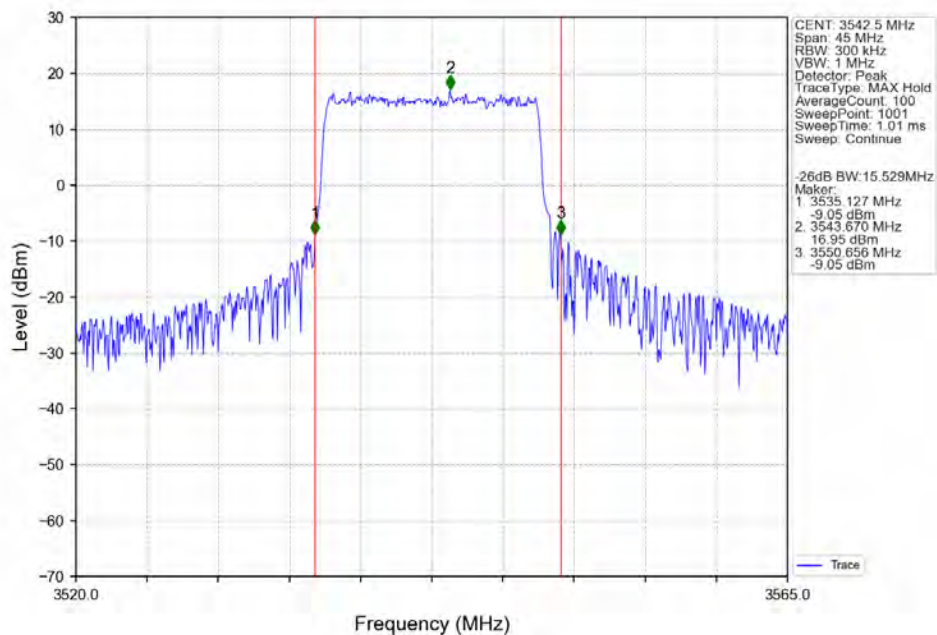
Band42a 15MHz QPSK LCH 3457.5MHz RB 75 0 NTNV



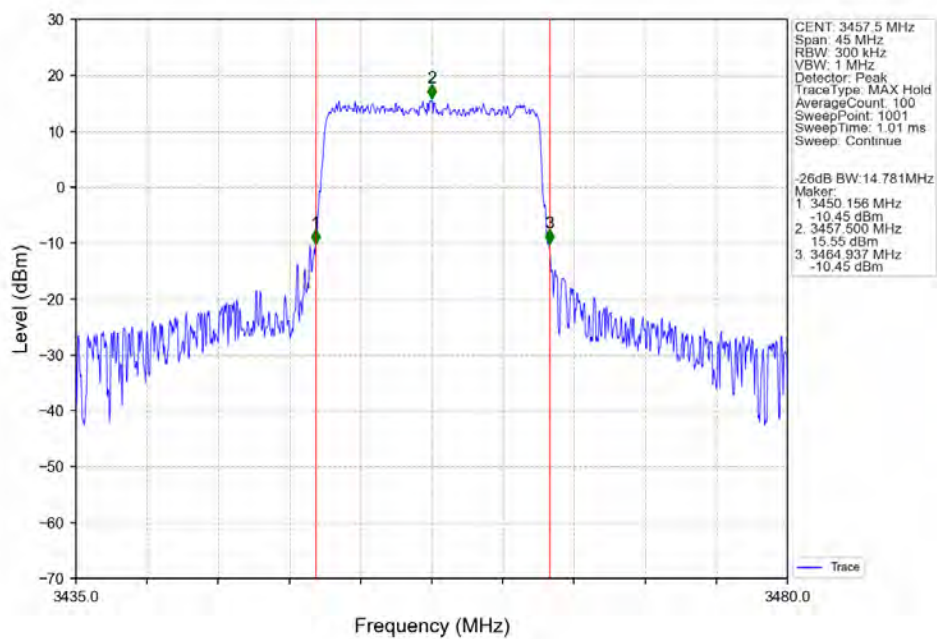
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTNV



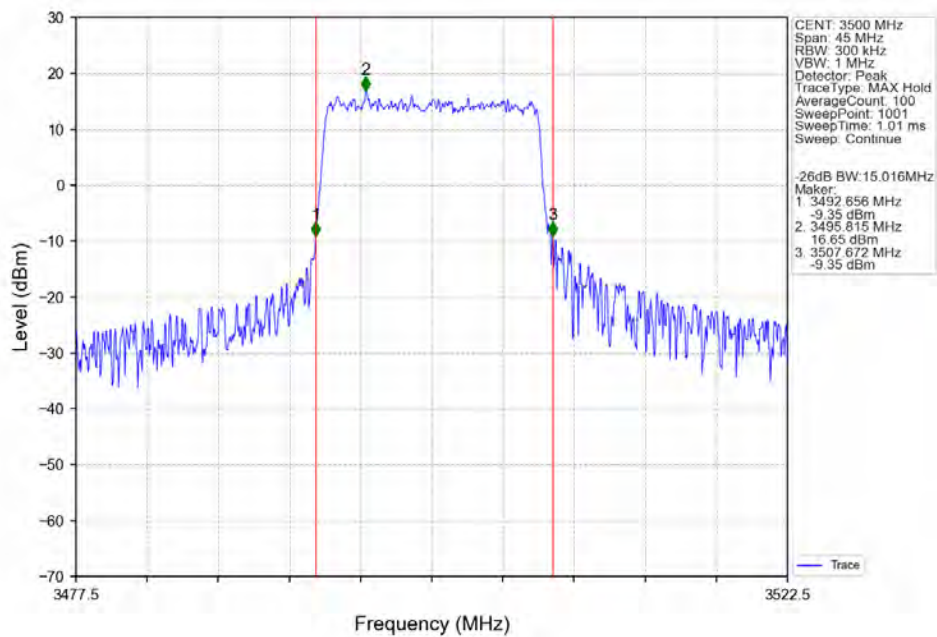
Band42a 15MHz QPSK HCH 3542.5MHz RB 75 0 NTNV



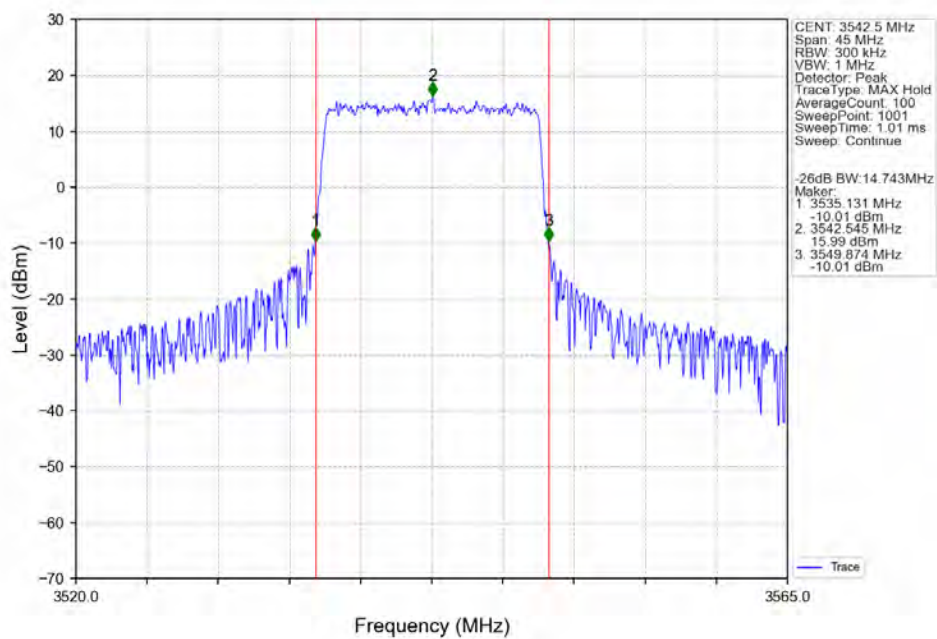
Band42a 15MHz 16QAM LCH 3457.5MHz RB 75 0 NTNV



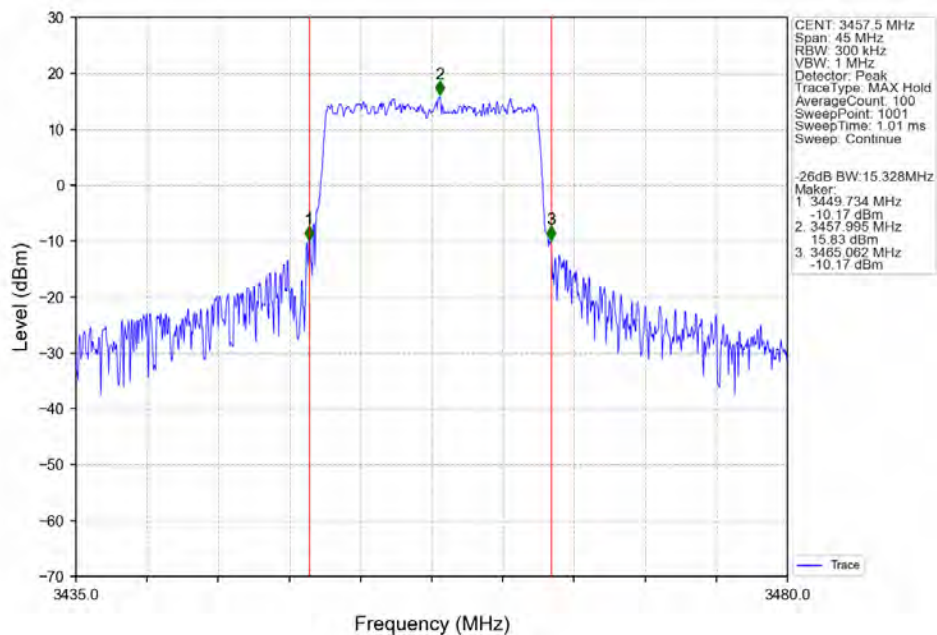
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTNV



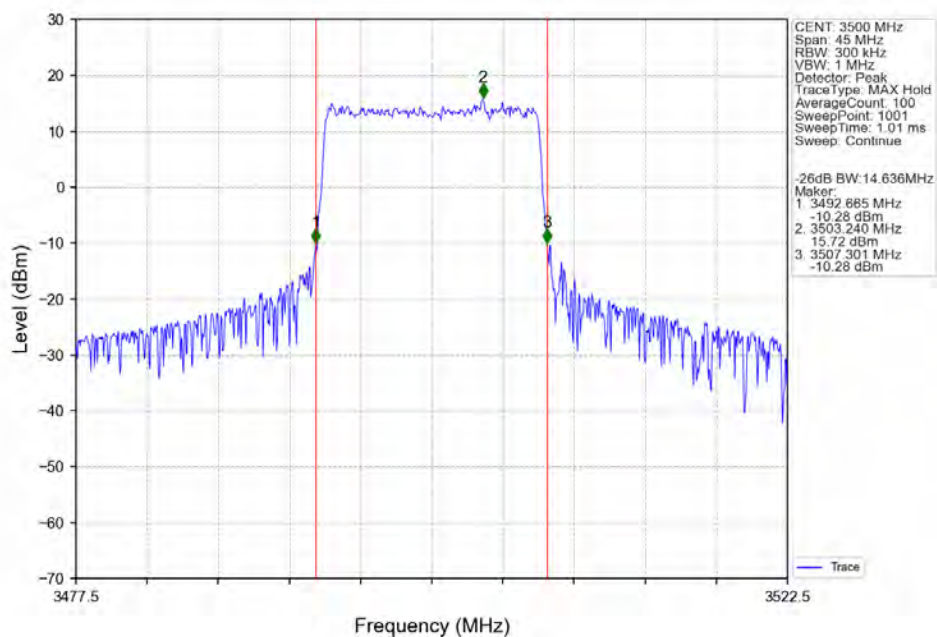
Band42a 15MHz 16QAM HCH 3542.5MHz RB 75 0 NTNV



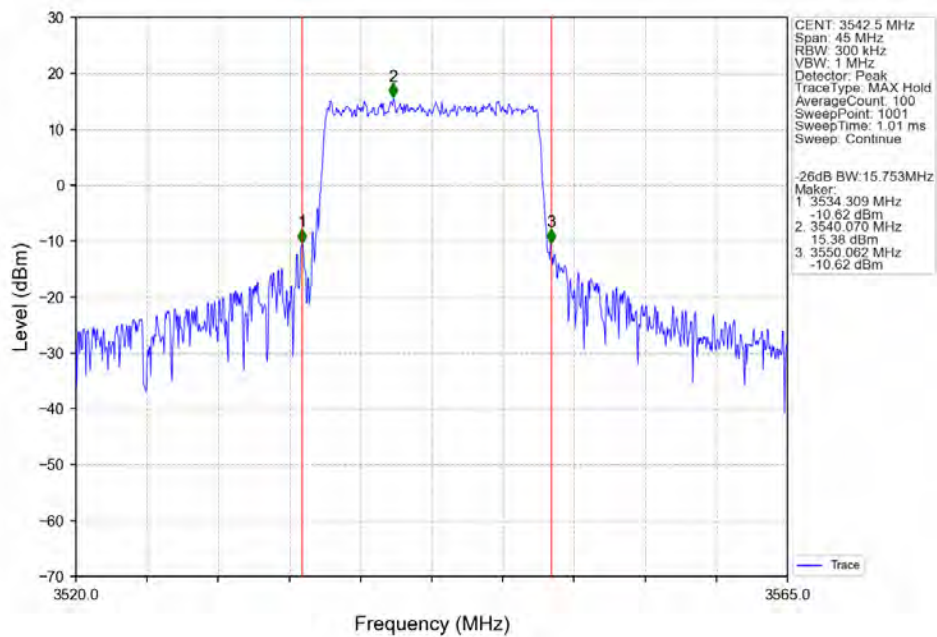
Band42a 15MHz 64QAM LCH 3457.5MHz RB 75 0 NTNV



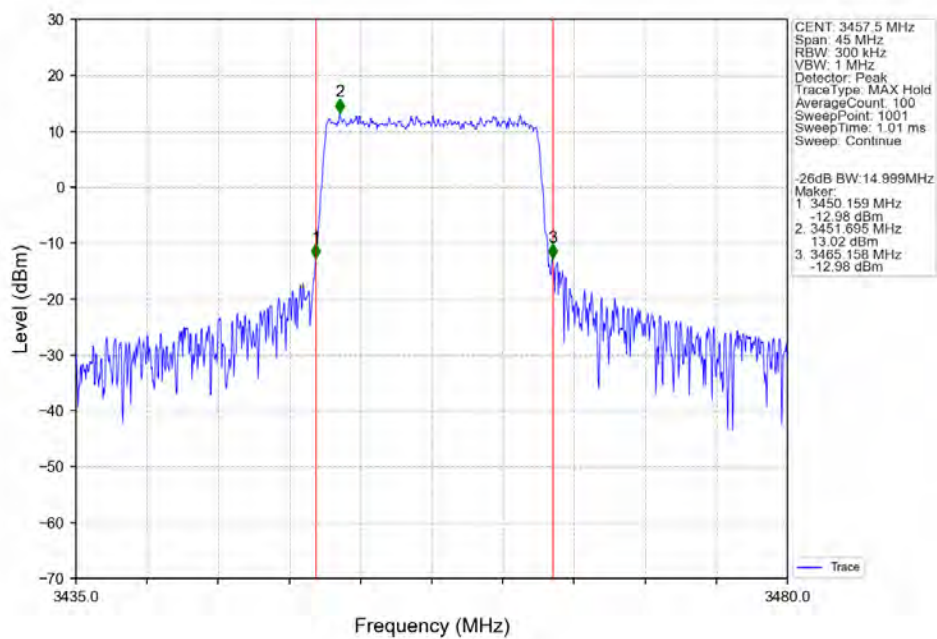
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTNV



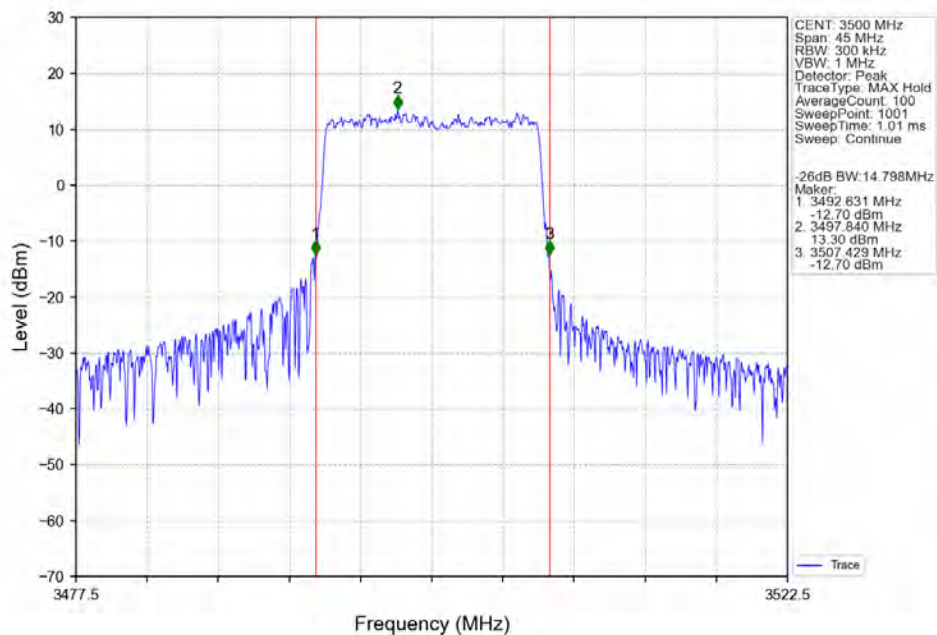
Band42a 15MHz 64QAM HCH 3542.5MHz RB 75 0 NTN



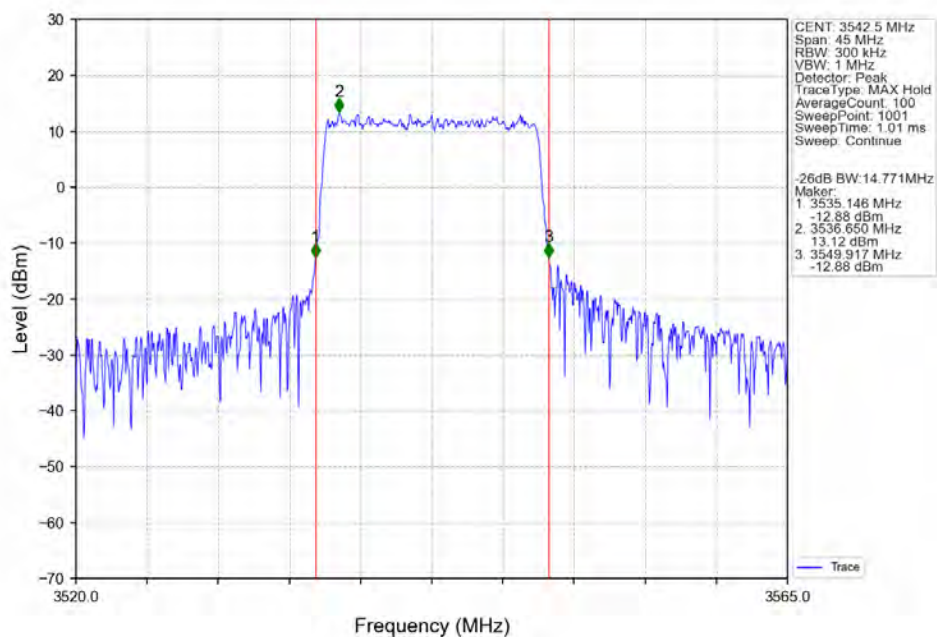
Band42a 15MHz 256QAM LCH 3457.5MHz RB 75 0 NTN



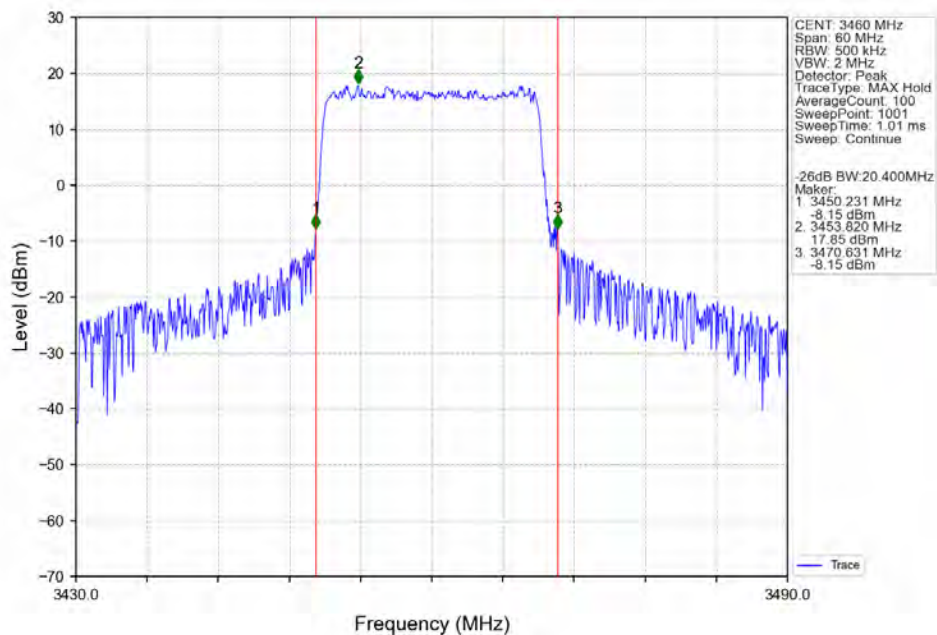
Band42a 15MHz 256QAM MCH 3500MHz RB 75 0 NTNV



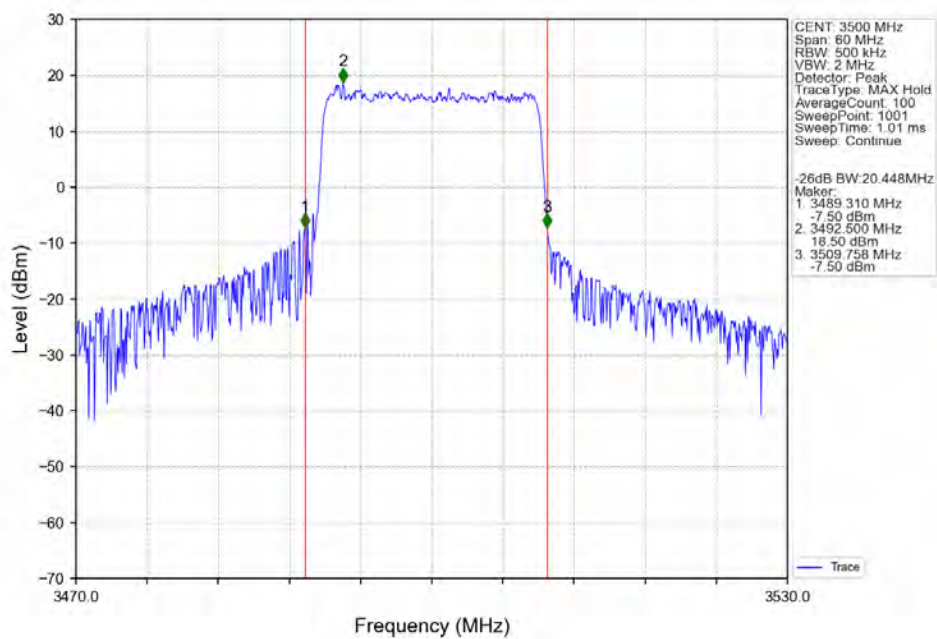
Band42a 15MHz 256QAM HCH 3542.5MHz RB 75 0 NTNV



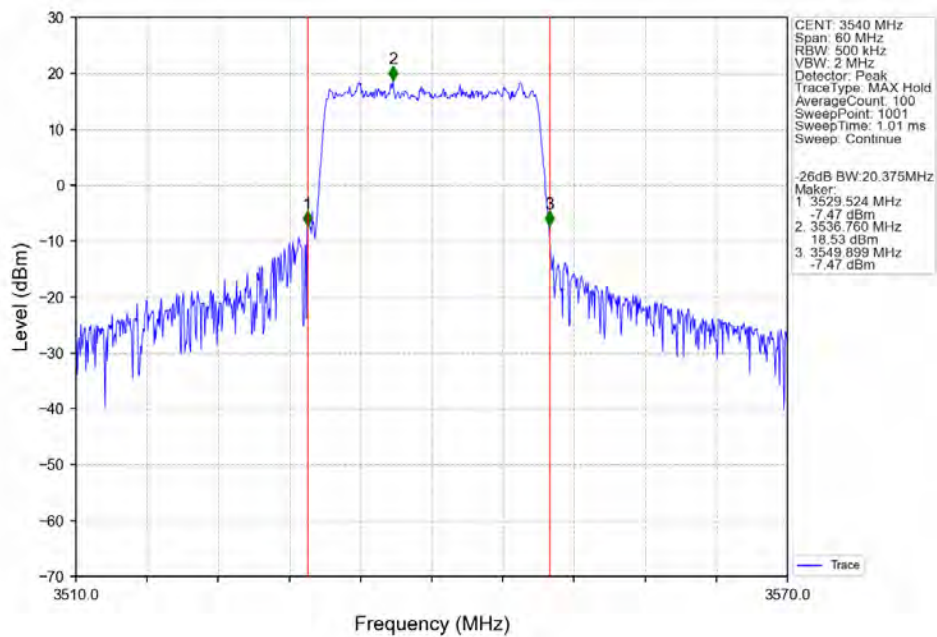
Band42a 20MHz QPSK LCH 3460MHz RB 100 0 NTNV



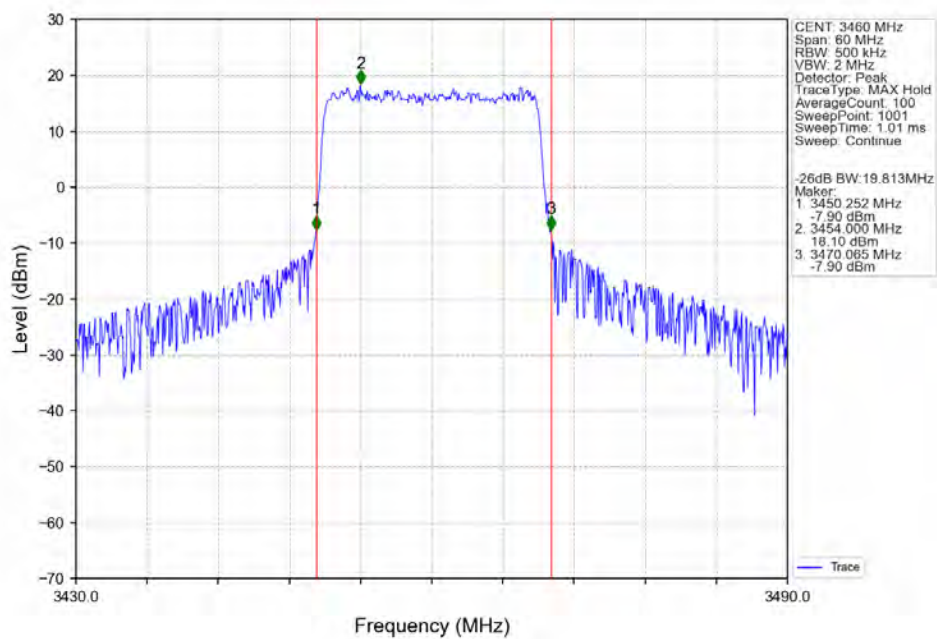
Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTNV



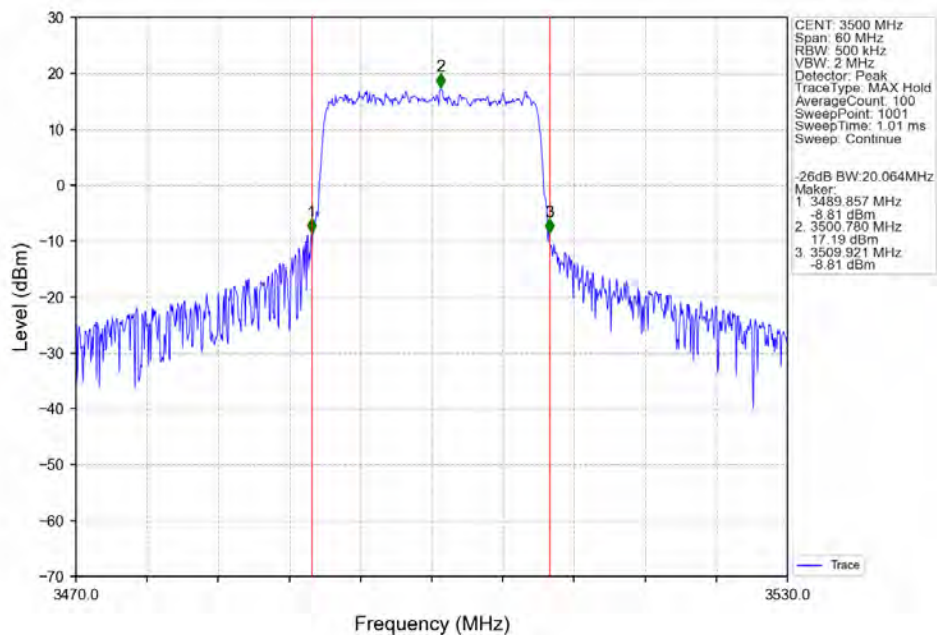
Band42a 20MHz QPSK HCH 3540MHz RB 100 0 NTNV



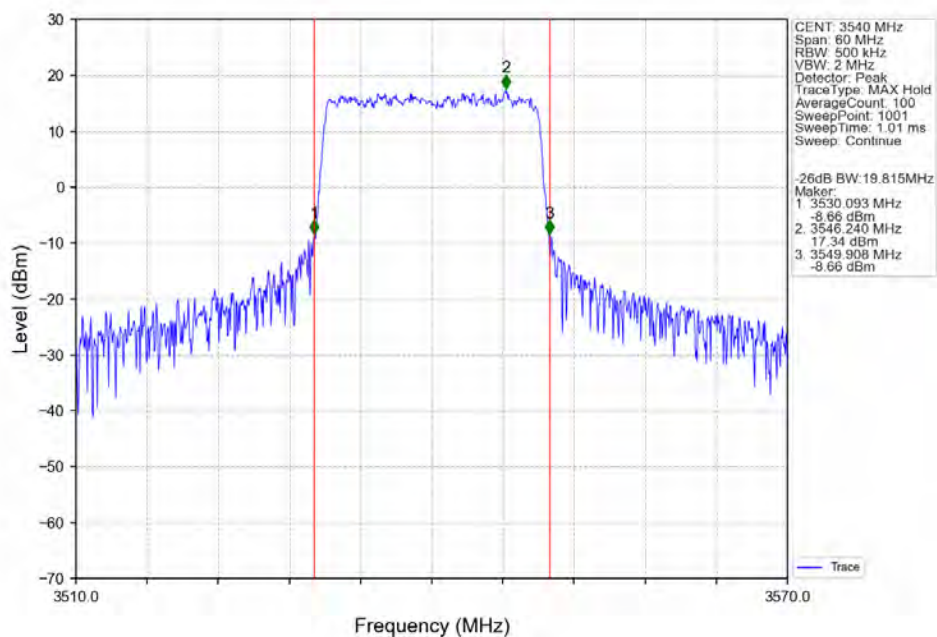
Band42a 20MHz 16QAM LCH 3460MHz RB 100 0 NTNV



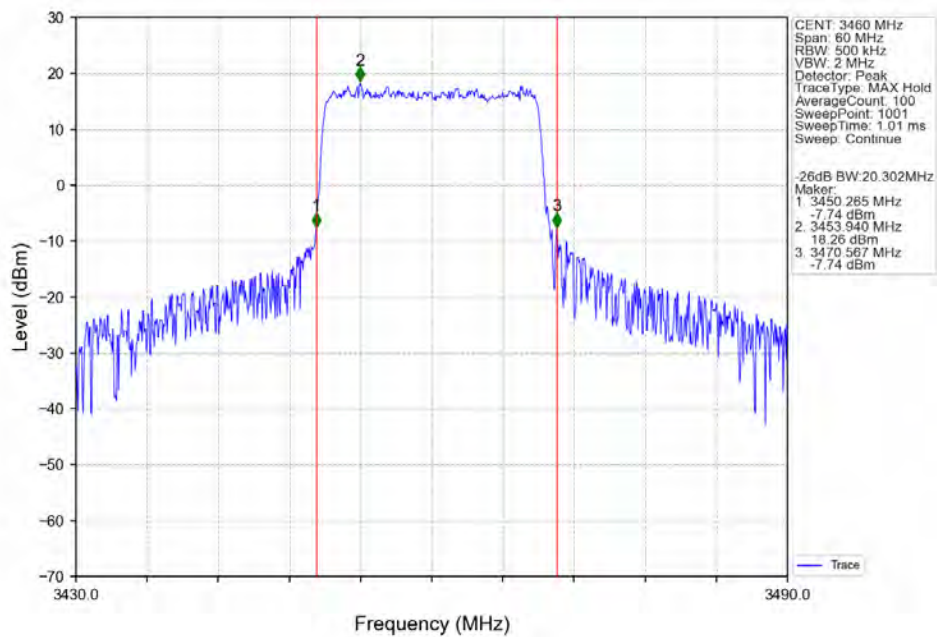
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTNv



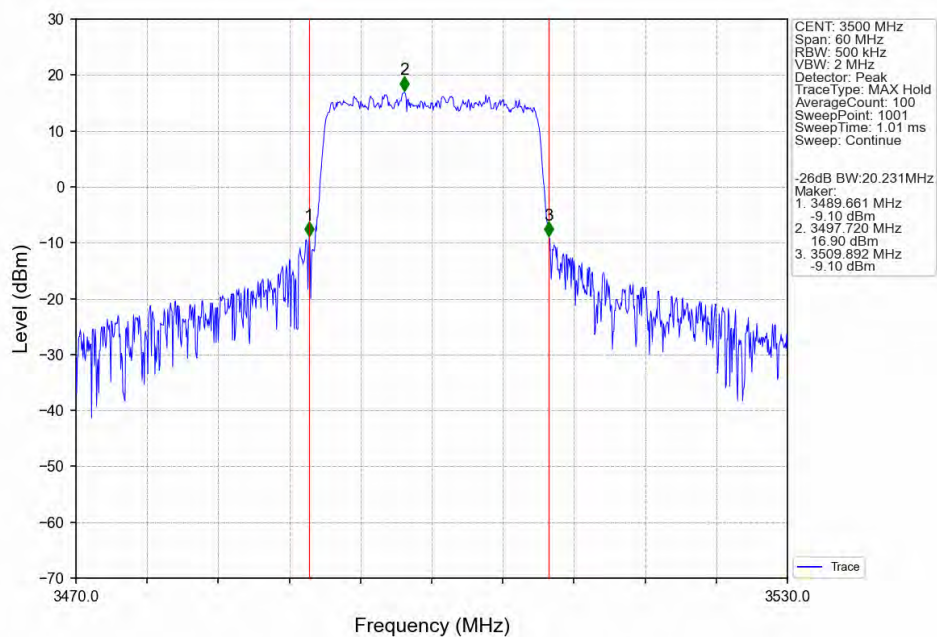
Band42a 20MHz 16QAM HCH 3540MHz RB 100 0 NTNv



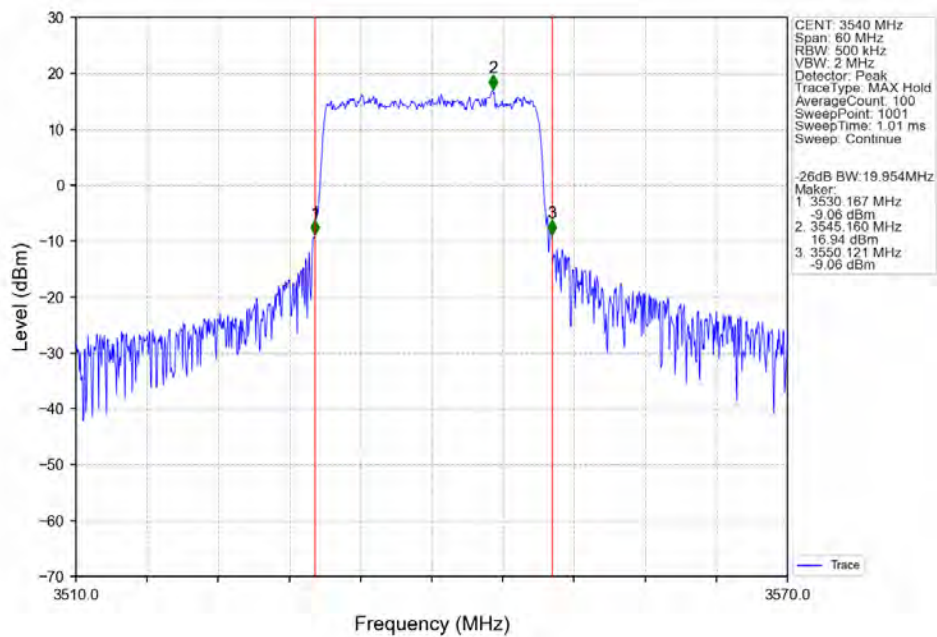
Band42a 20MHz 64QAM LCH 3460MHz RB 100 0 NTN



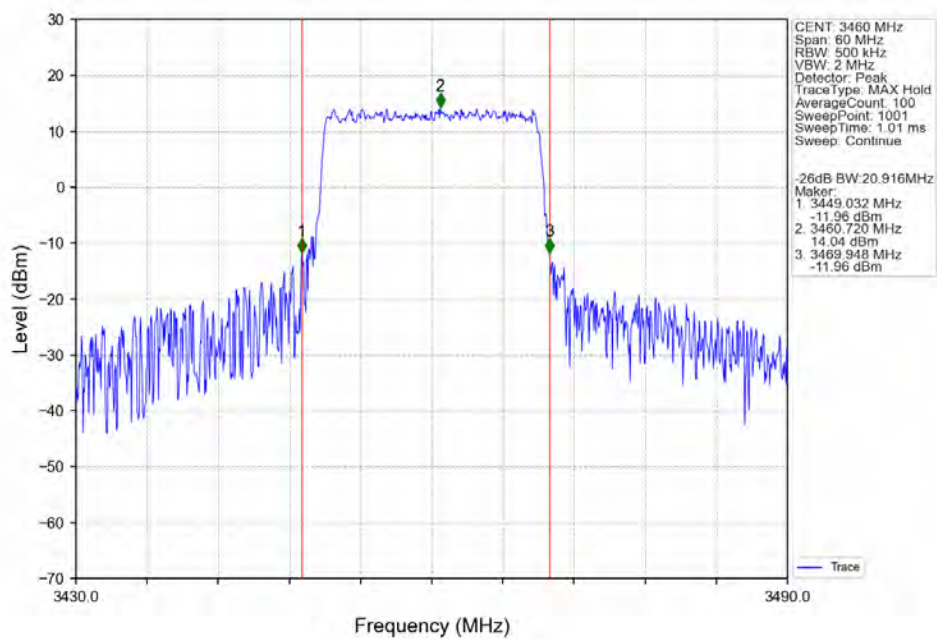
Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTN



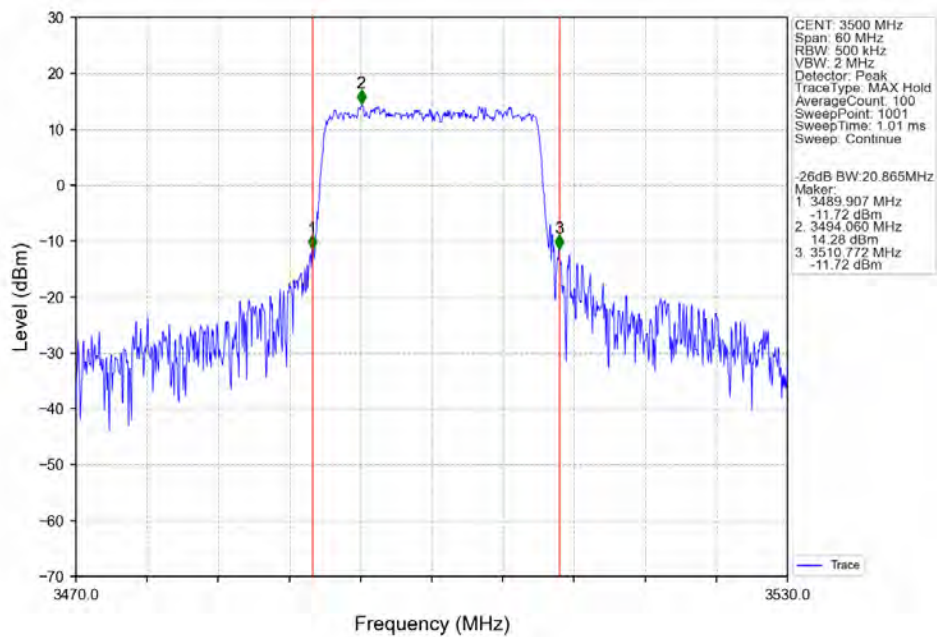
Band42a 20MHz 64QAM HCH 3540MHz RB 100 0 NTNV



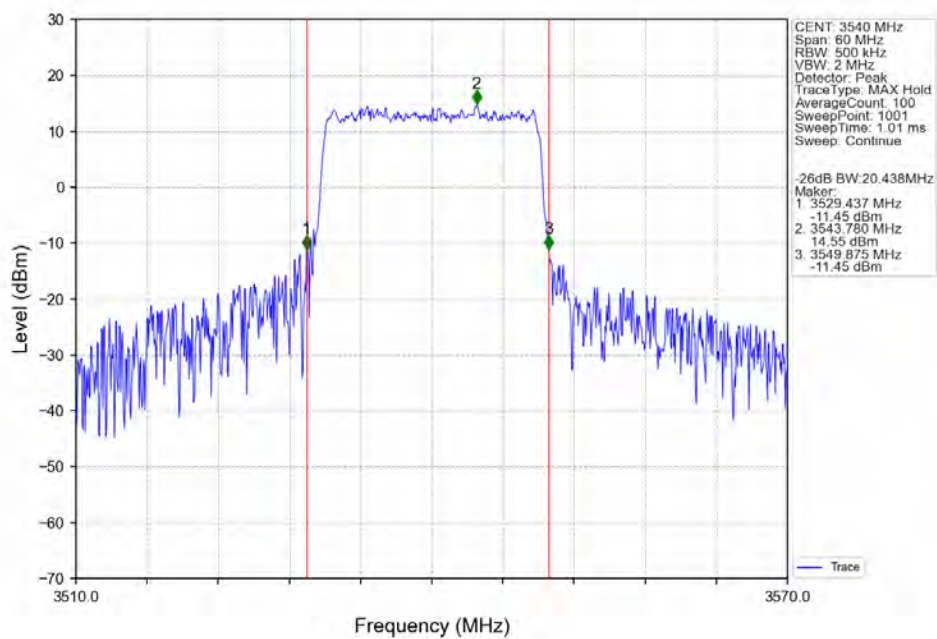
Band42a 20MHz 256QAM LCH 3460MHz RB 100 0 NTNV



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



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



4. Peak-Average Ratio

4.1 Test Result

4.1.1 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	8.54	<=13	Pass
	3500	25	0	8.64	<=13	Pass
	3547.5	25	0	8.54	<=13	Pass
16QAM	3452.5	25	0	9.54	<=13	Pass
	3500	25	0	9.64	<=13	Pass
	3547.5	25	0	9.54	<=13	Pass
64QAM	3452.5	25	0	9.98	<=13	Pass
	3500	25	0	9.92	<=13	Pass
	3547.5	25	0	10.00	<=13	Pass
256QAM	3452.5	25	0	10.12	<=13	Pass
	3500	25	0	10.08	<=13	Pass
	3547.5	25	0	10.28	<=13	Pass

4.1.2 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	8.54	<=13	Pass
	3500	50	0	8.62	<=13	Pass
	3545	50	0	8.54	<=13	Pass
16QAM	3455	50	0	8.54	<=13	Pass
	3500	50	0	9.64	<=13	Pass
	3545	50	0	9.64	<=13	Pass
64QAM	3455	50	0	8.54	<=13	Pass
	3500	50	0	9.90	<=13	Pass
	3545	50	0	10.04	<=13	Pass
256QAM	3455	50	0	10.08	<=13	Pass
	3500	50	0	10.10	<=13	Pass
	3545	50	0	10.04	<=13	Pass

4.1.3 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	8.54	<=13	Pass
	3500	75	0	8.82	<=13	Pass
	3542.5	75	0	8.82	<=13	Pass
16QAM	3457.5	75	0	8.46	<=13	Pass
	3500	75	0	9.82	<=13	Pass
	3542.5	75	0	9.84	<=13	Pass
64QAM	3457.5	75	0	8.82	<=13	Pass

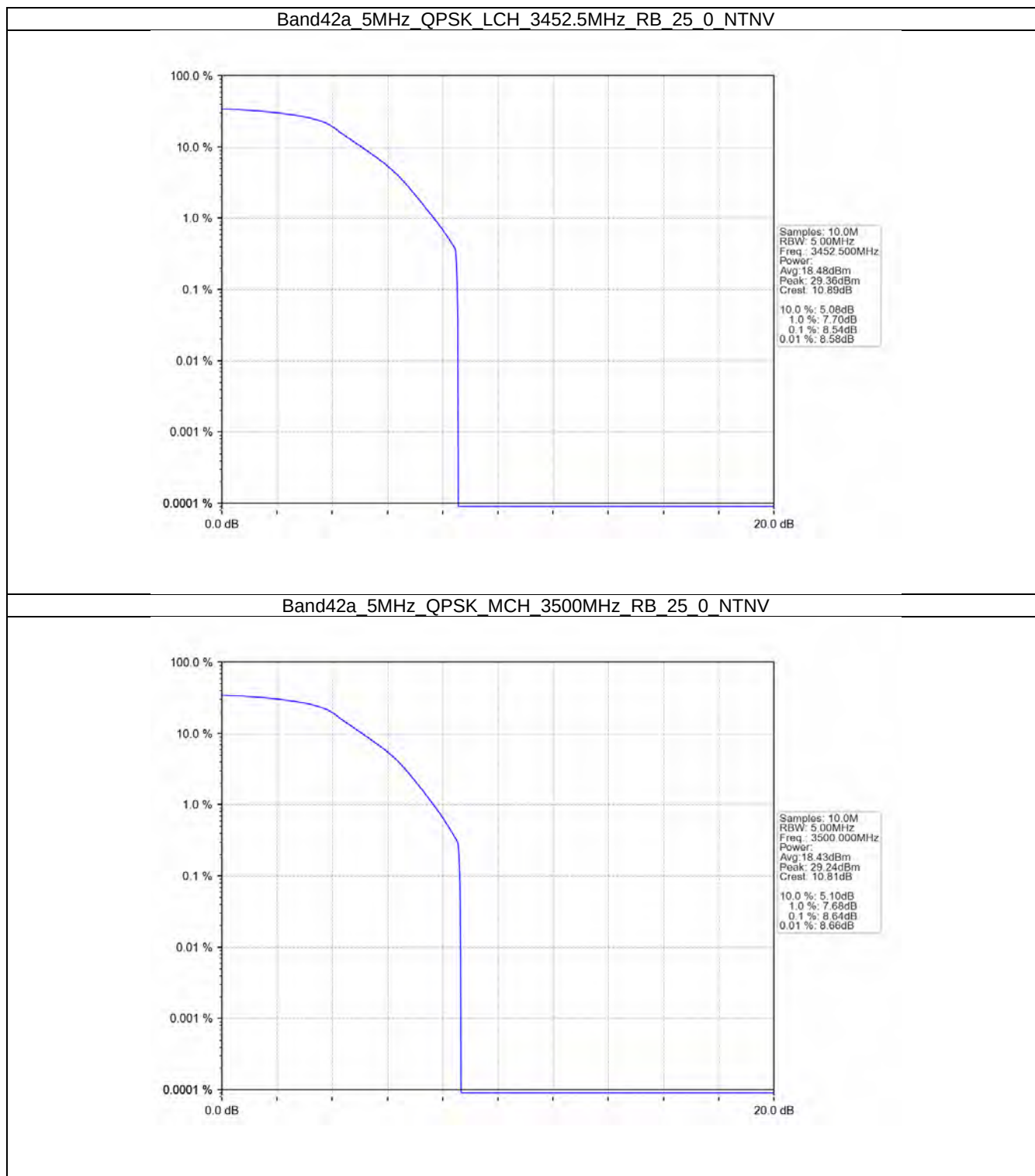
256QAM	3500	75	0	10.02	<=13	Pass
	3542.5	75	0	10.28	<=13	Pass
	3457.5	75	0	9.92	<=13	Pass
	3500	75	0	10.30	<=13	Pass
	3542.5	75	0	10.34	<=13	Pass

4.1.4 B42a_20MHz

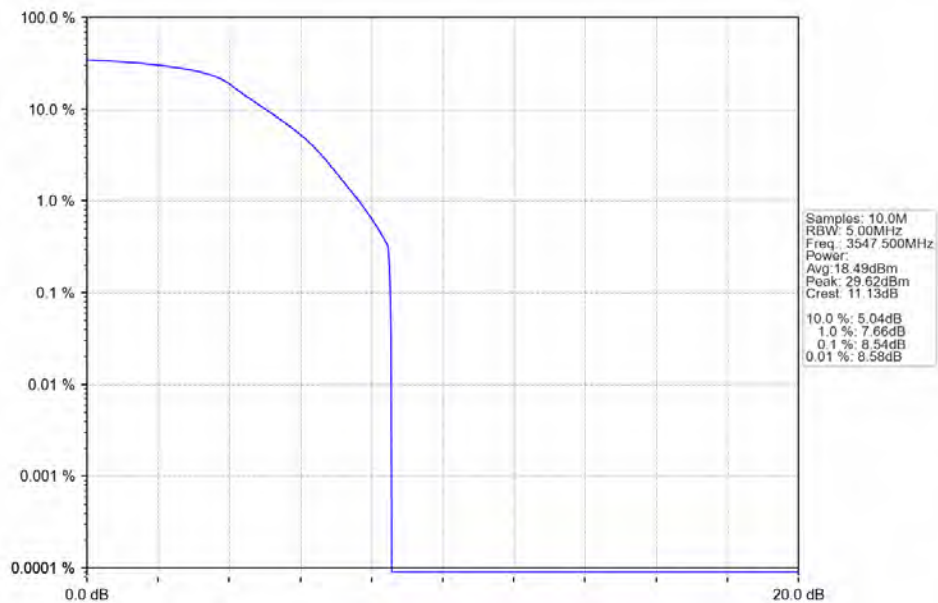
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	100	0	8.72	<=13	Pass
	3500	100	0	8.72	<=13	Pass
	3540	100	0	8.26	<=13	Pass
16QAM	3460	100	0	9.72	<=13	Pass
	3500	100	0	9.44	<=13	Pass
	3540	100	0	9.64	<=13	Pass
64QAM	3460	100	0	10.06	<=13	Pass
	3500	100	0	9.88	<=13	Pass
	3540	100	0	10.10	<=13	Pass
256QAM	3460	100	0	10.00	<=13	Pass
	3500	100	0	10.16	<=13	Pass
	3540	100	0	10.26	<=13	Pass

4.2 Test Graph

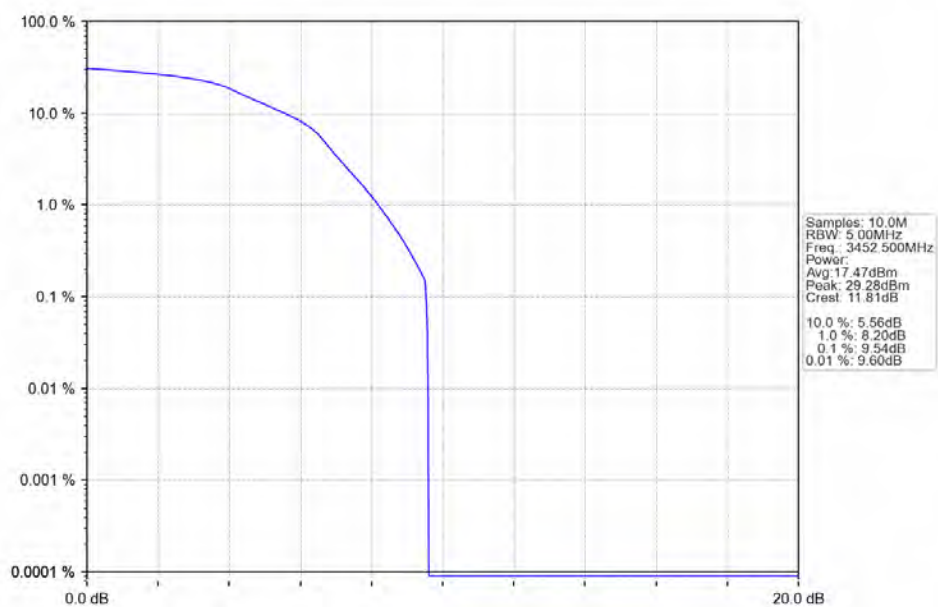
4.2.1 B42a_5MHz



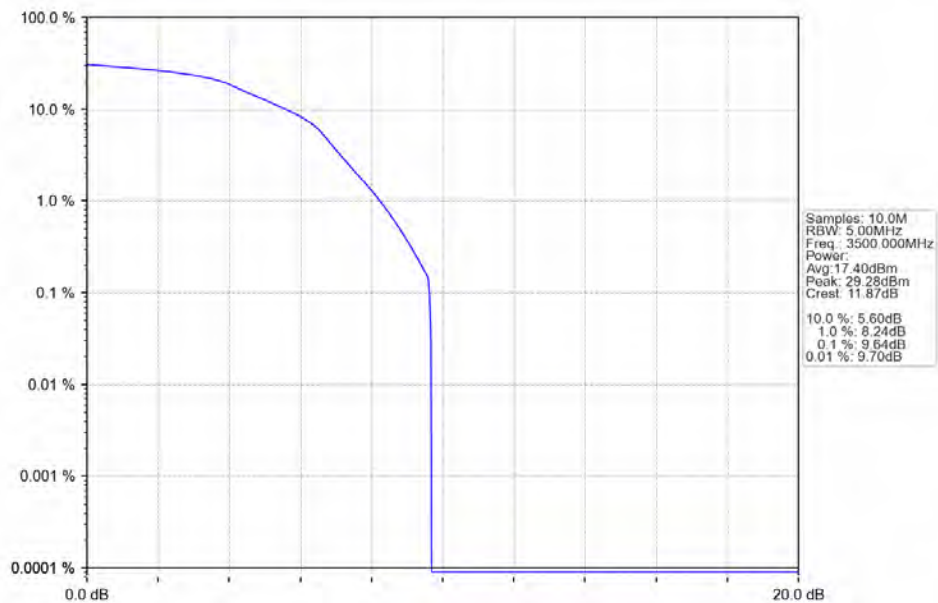
Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTNV



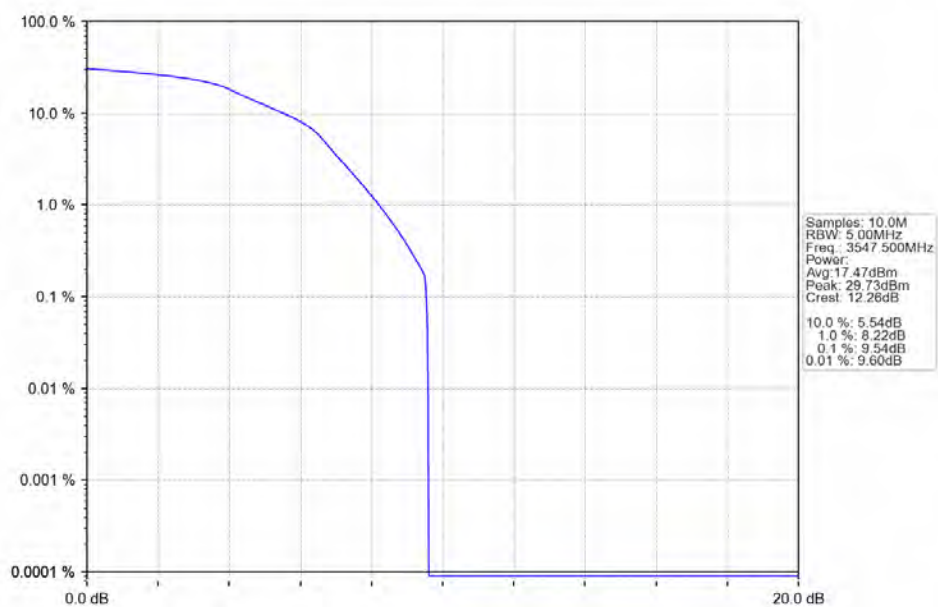
Band42a 5MHz 16QAM LCH 3452.5MHz RB 25 0 NTNV



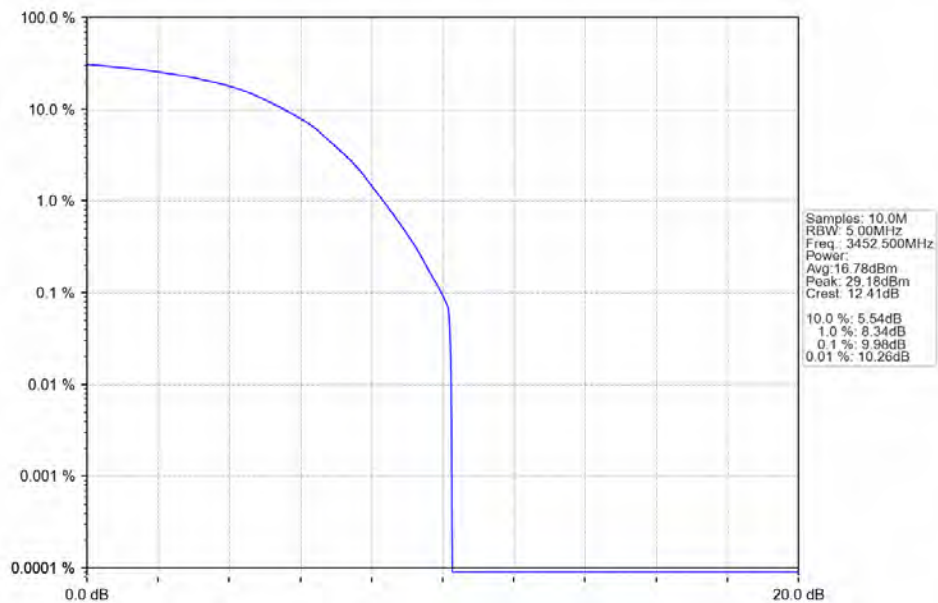
Band42a 5MHz 16QAM MCH 3500MHz RB 25 0 NTNV



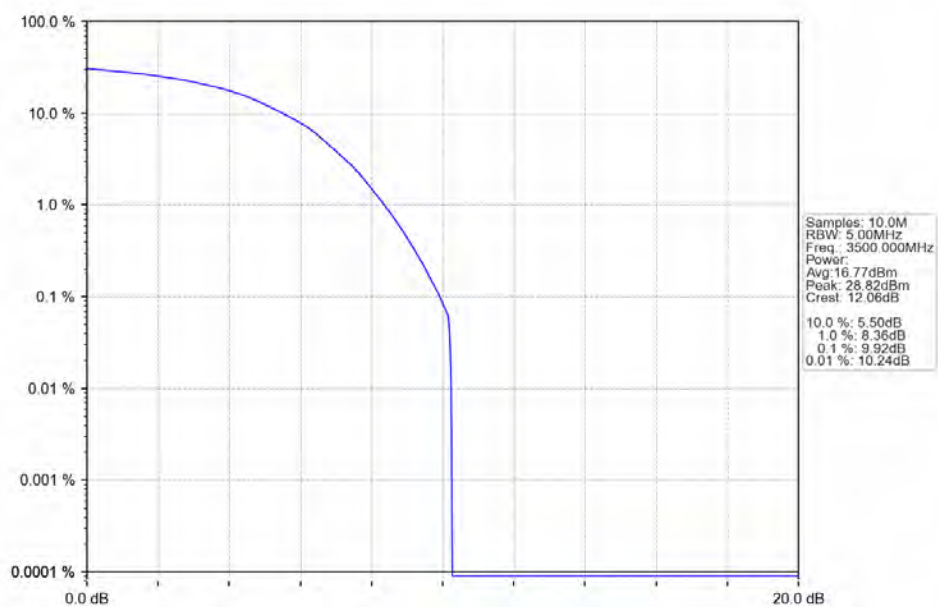
Band42a 5MHz 16QAM HCH 3547.5MHz RB 25 0 NTNV



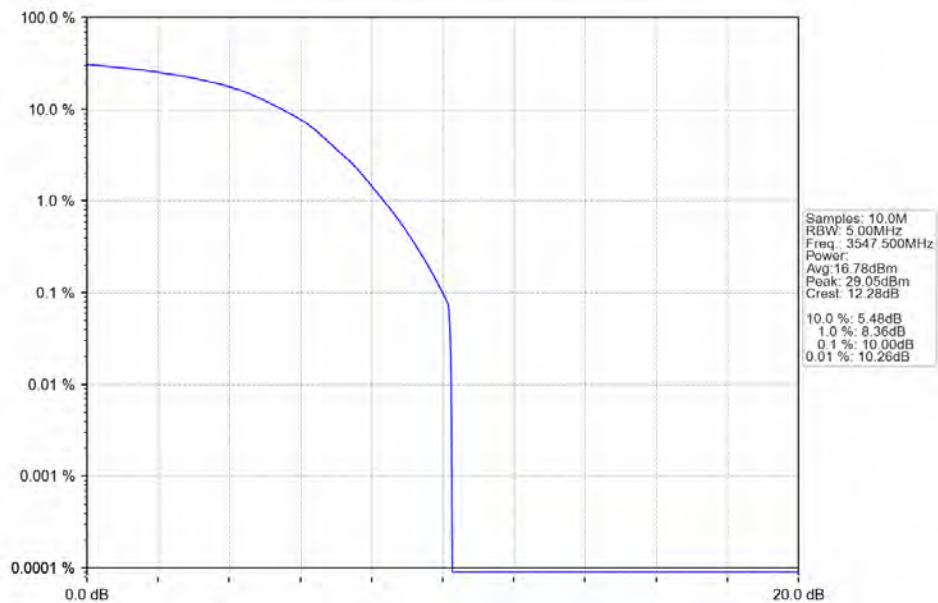
Band42a 5MHz 64QAM LCH 3452.5MHz RB 25 0 NTV



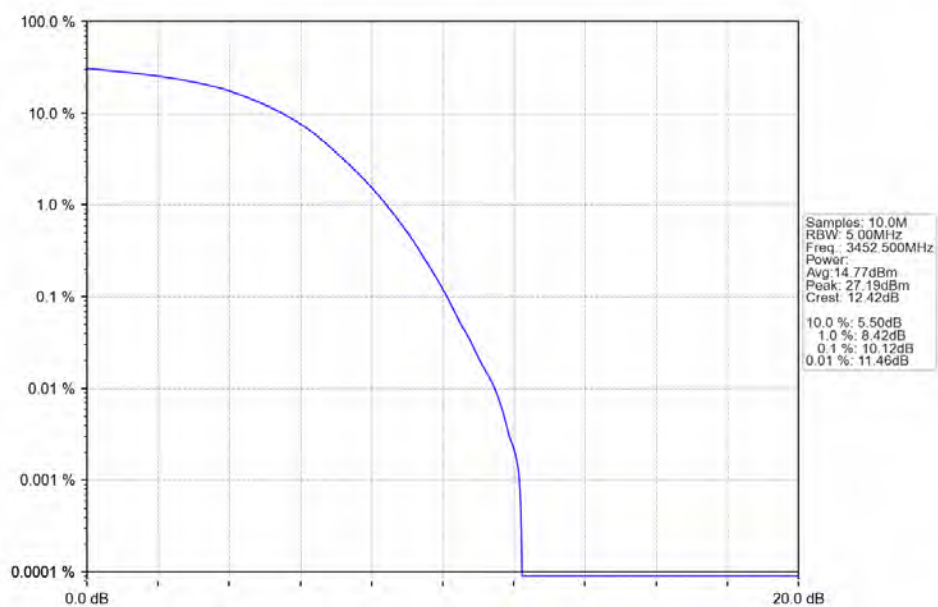
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTV



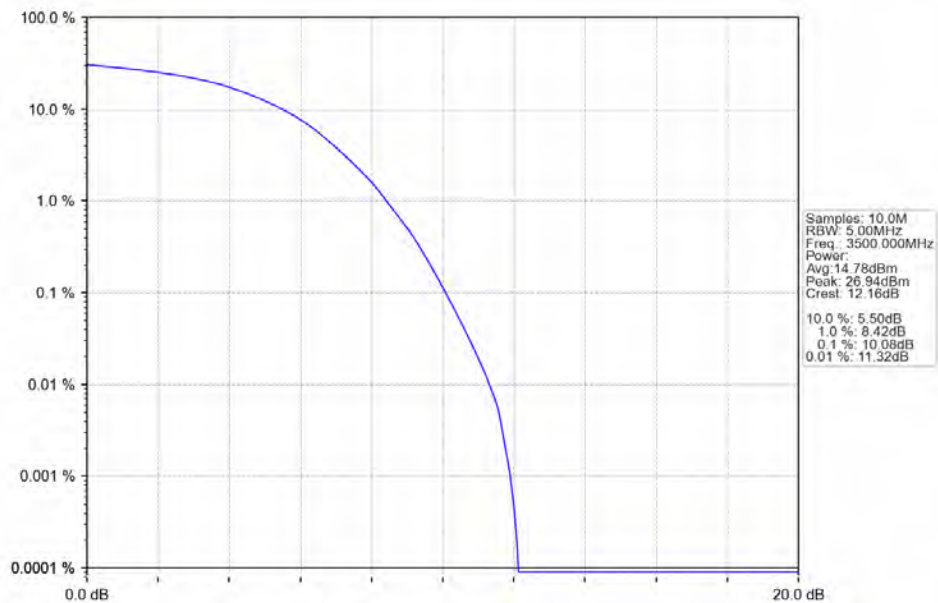
Band42a 5MHz 64QAM HCH 3547.5MHz RB 25 0 NTNV



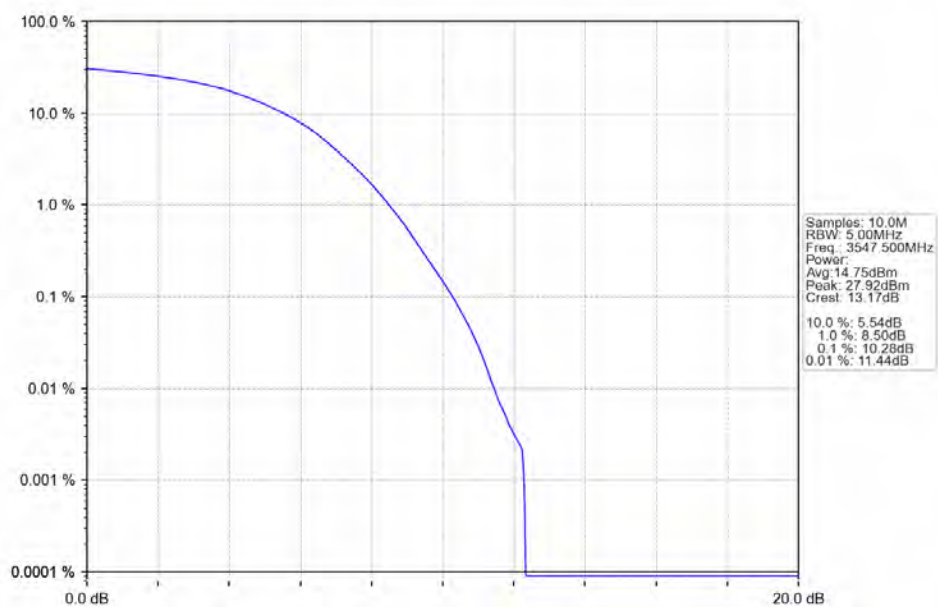
Band42a 5MHz 256QAM LCH 3452.5MHz RB 25 0 NTNV



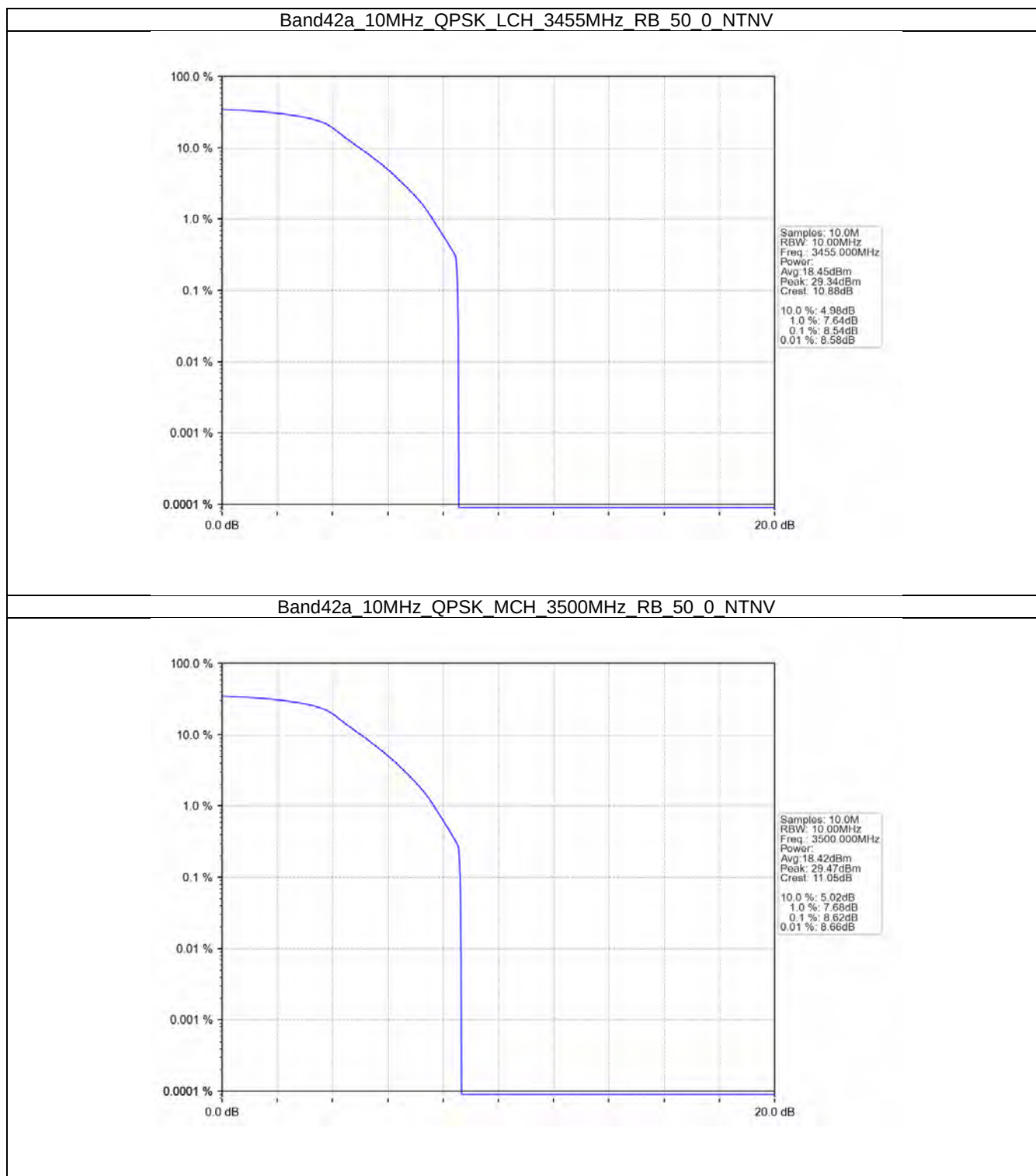
Band42a 5MHz 256QAM MCH 3500MHz RB 25 0 NTV



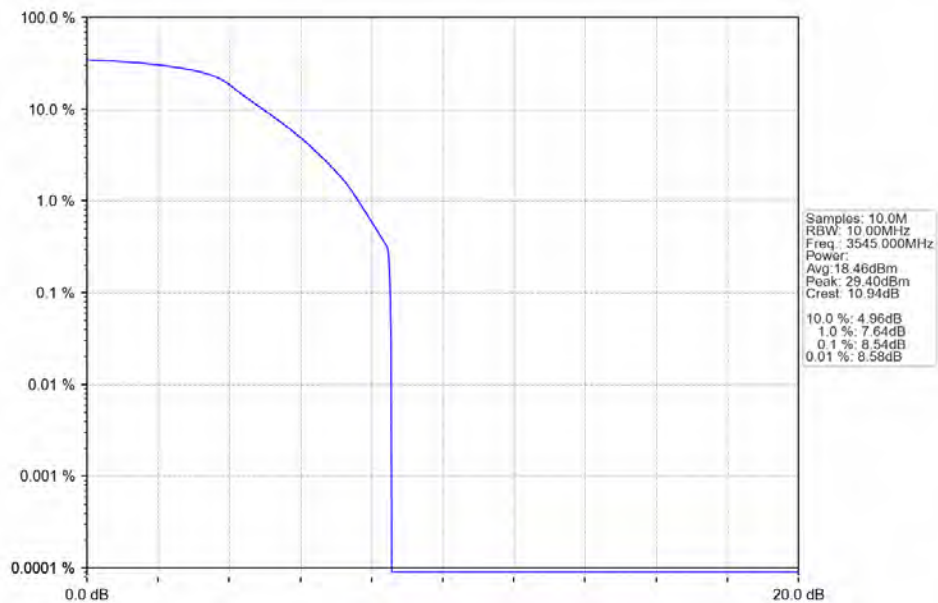
Band42a 5MHz 256QAM HCH 3547.5MHz RB 25 0 NTV



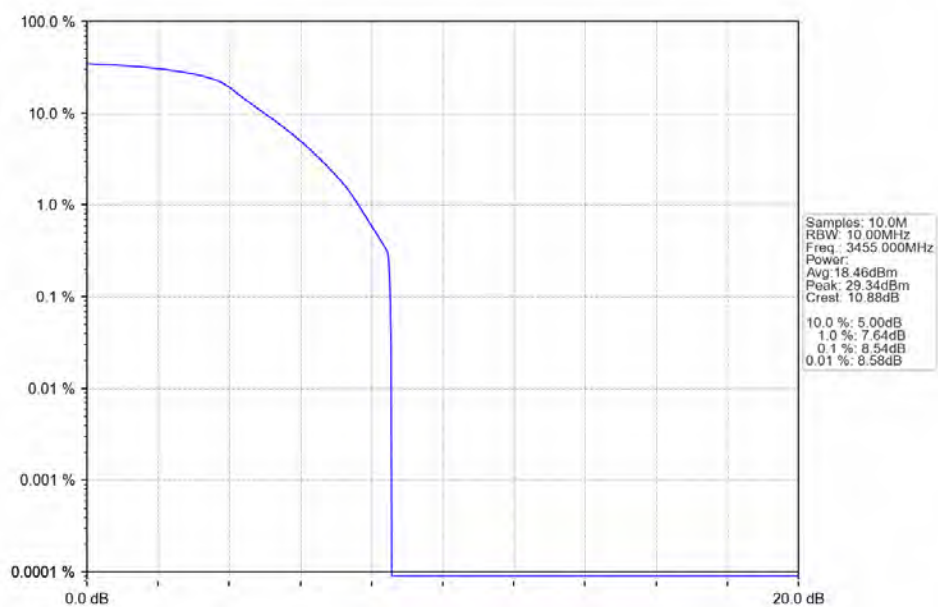
4.2.2 B42a_10MHz



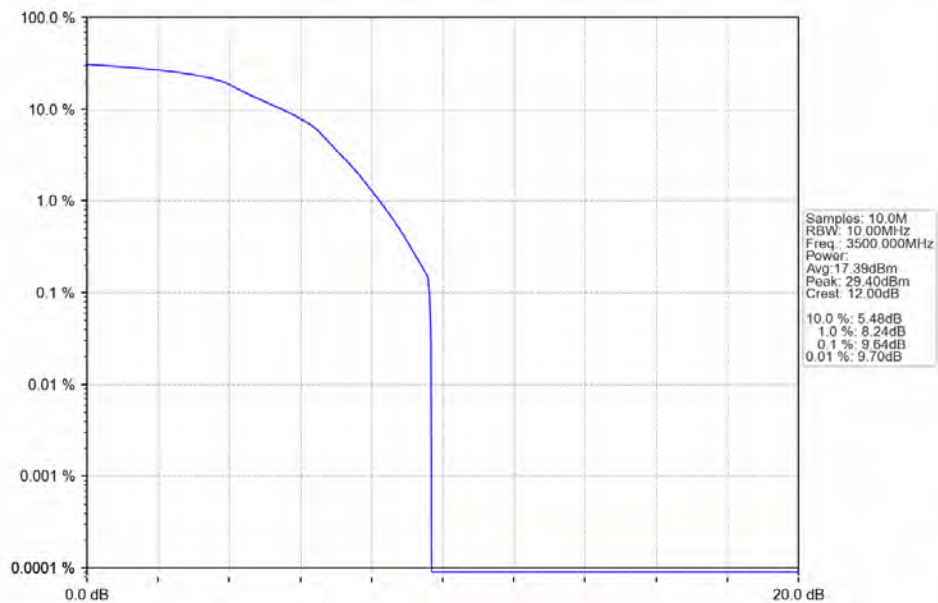
Band42a 10MHz QPSK HCH 3545MHz RB 50 0 NTV



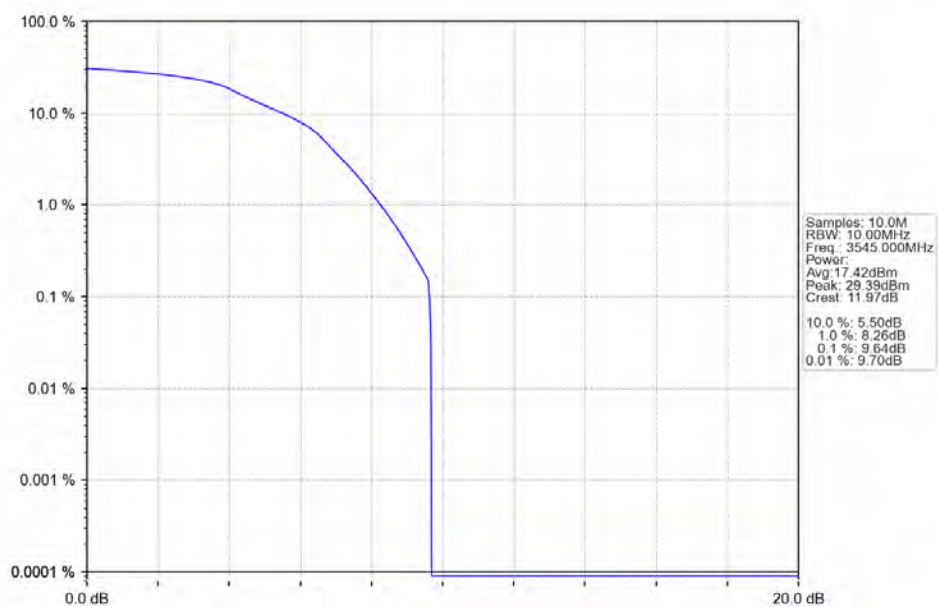
Band42a 10MHz 16QAM LCH 3455MHz RB 50 0 NTV



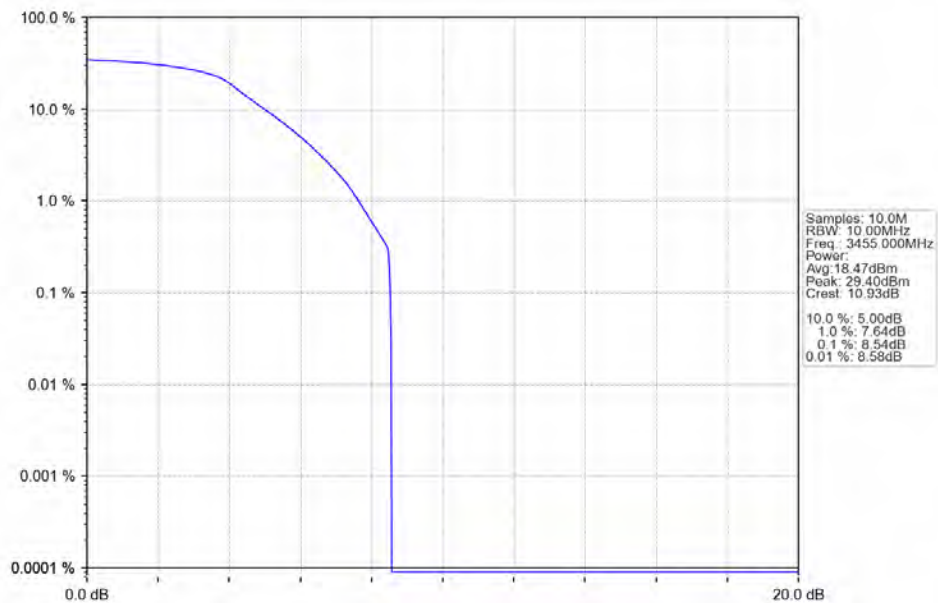
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTV



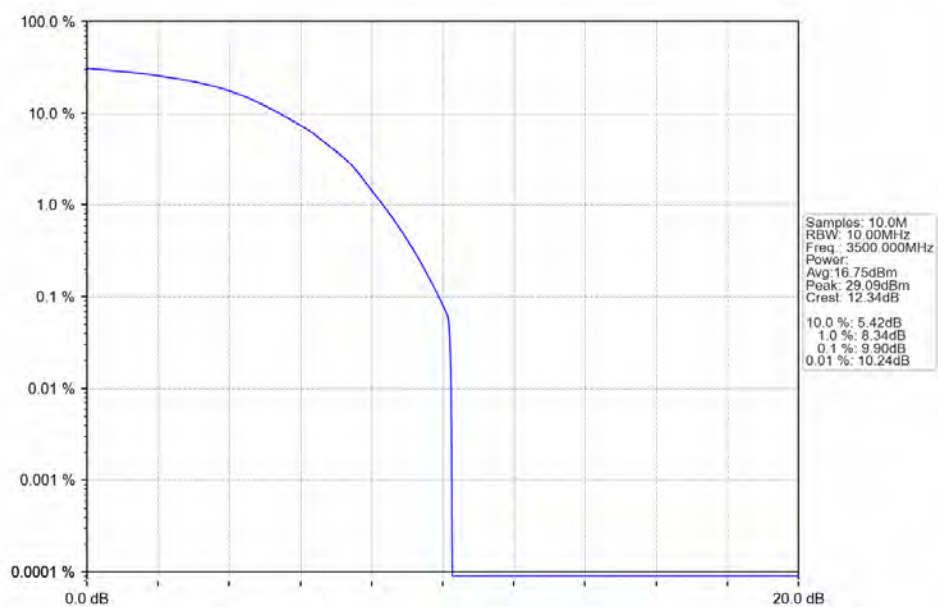
Band42a 10MHz 16QAM HCH 3545MHz RB 50 0 NTV



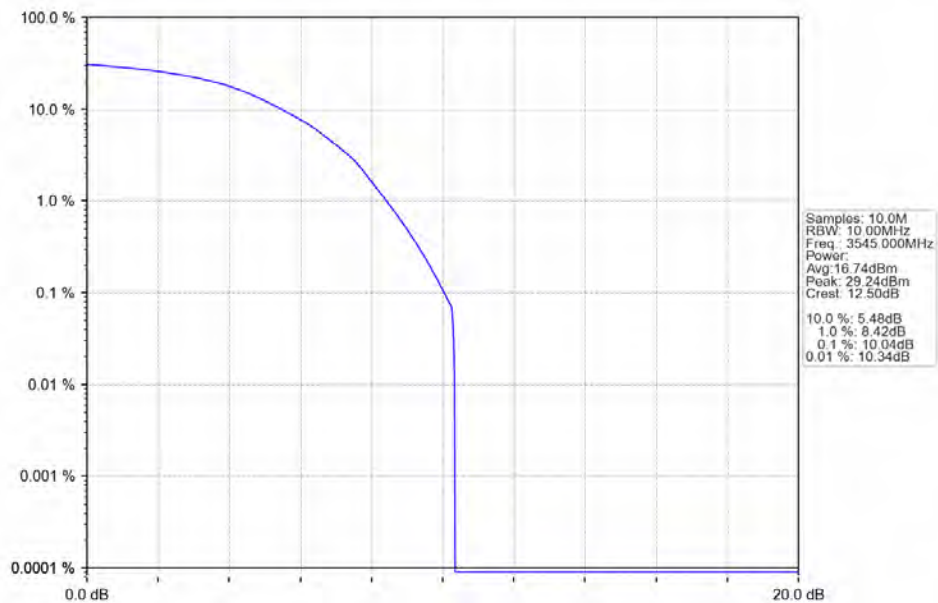
Band42a 10MHz 64QAM LCH 3455MHz RB 50 0 NTNV



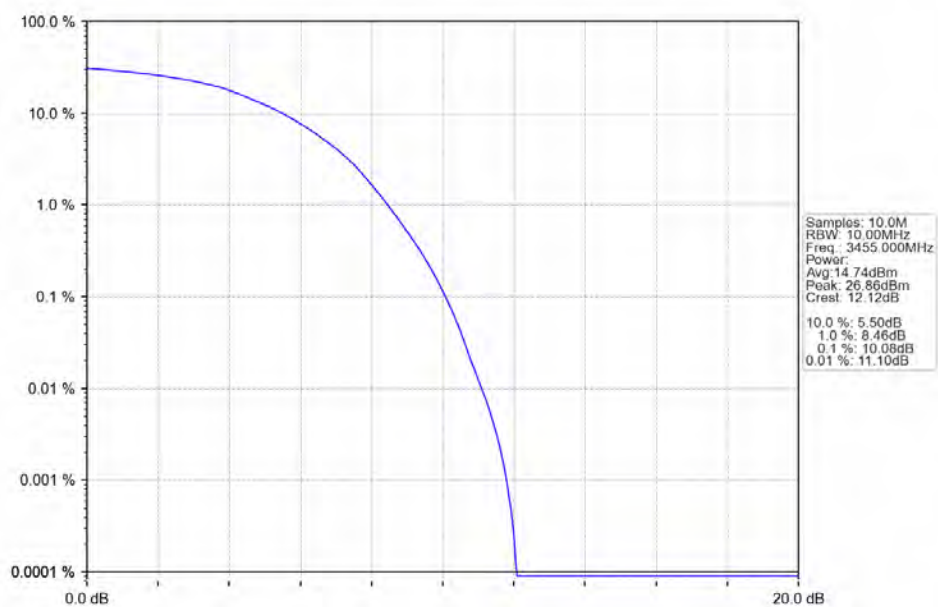
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTNV



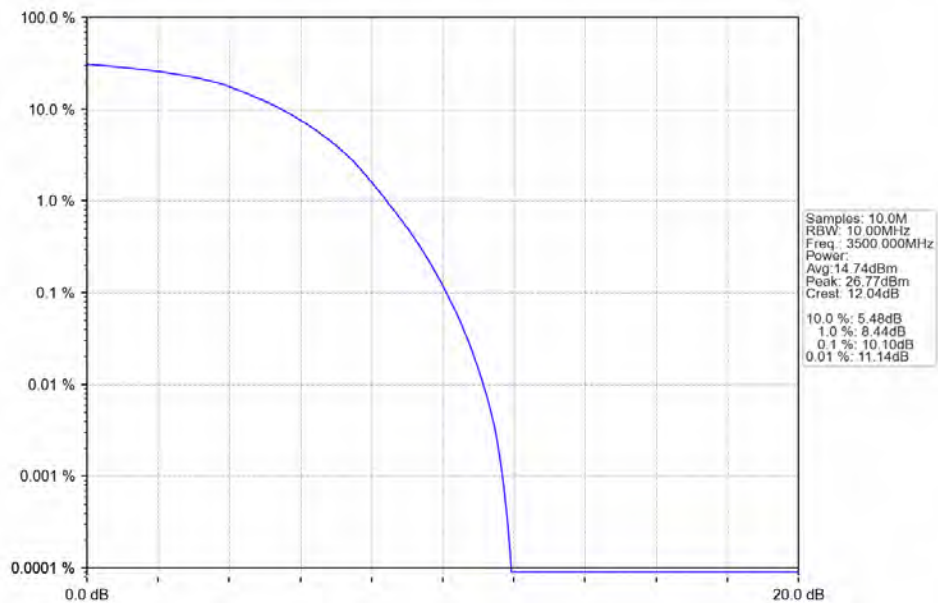
Band42a 10MHz 64QAM HCH 3545MHz RB 50 0 NTNV



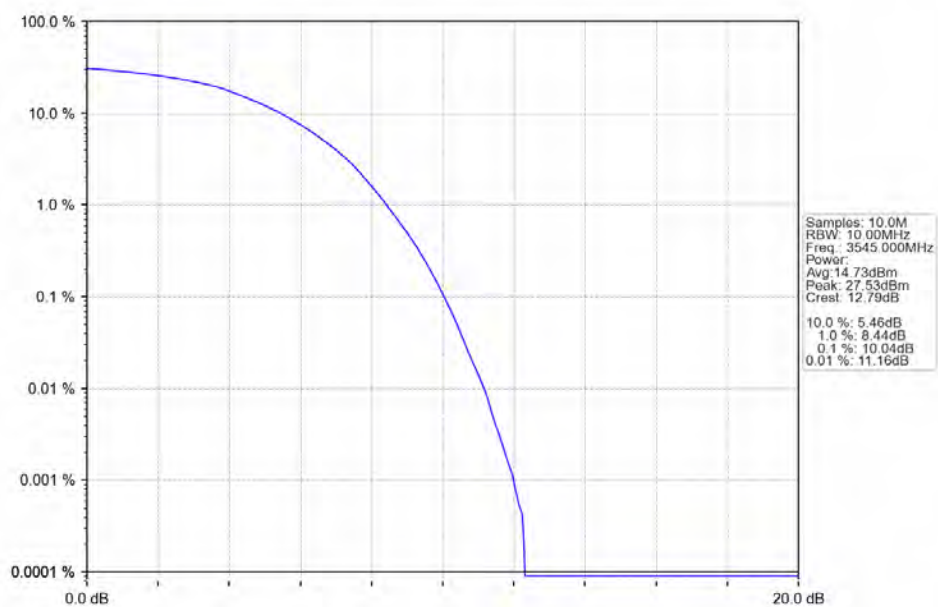
Band42a 10MHz 256QAM LCH 3455MHz RB 50 0 NTNV



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

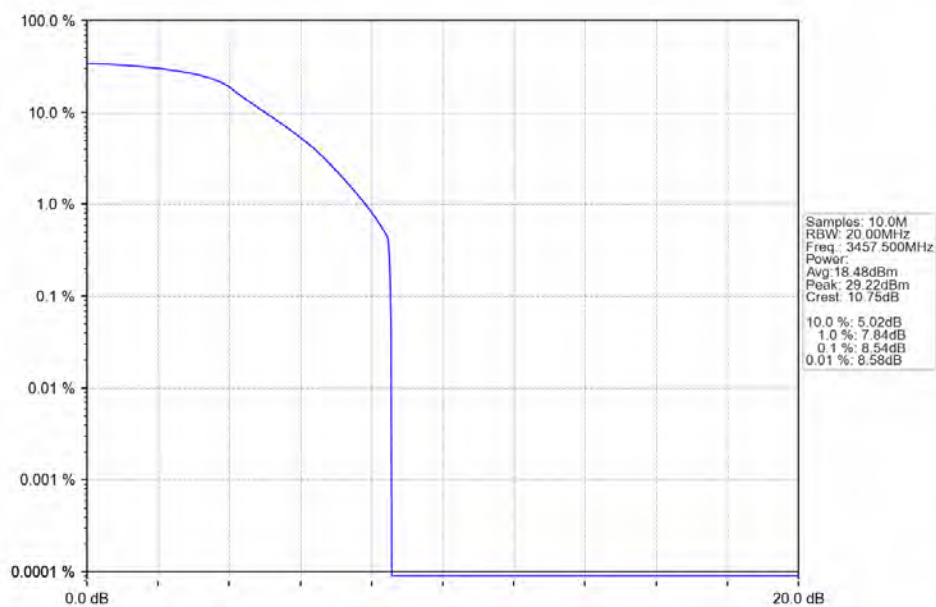


Band42a 10MHz 256QAM HCH 3545MHz RB 50 0 NTNV

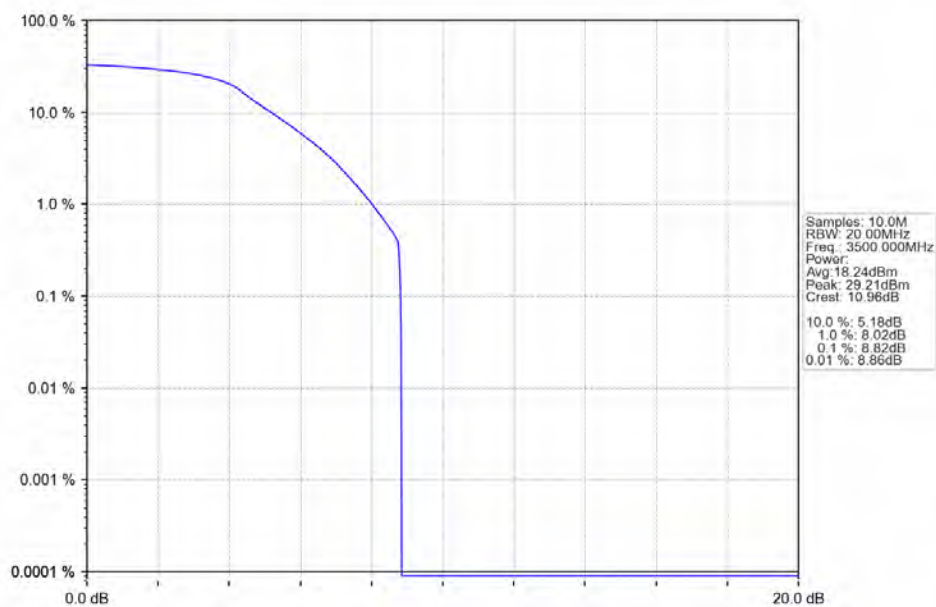


4.2.3 B42a_15MHz

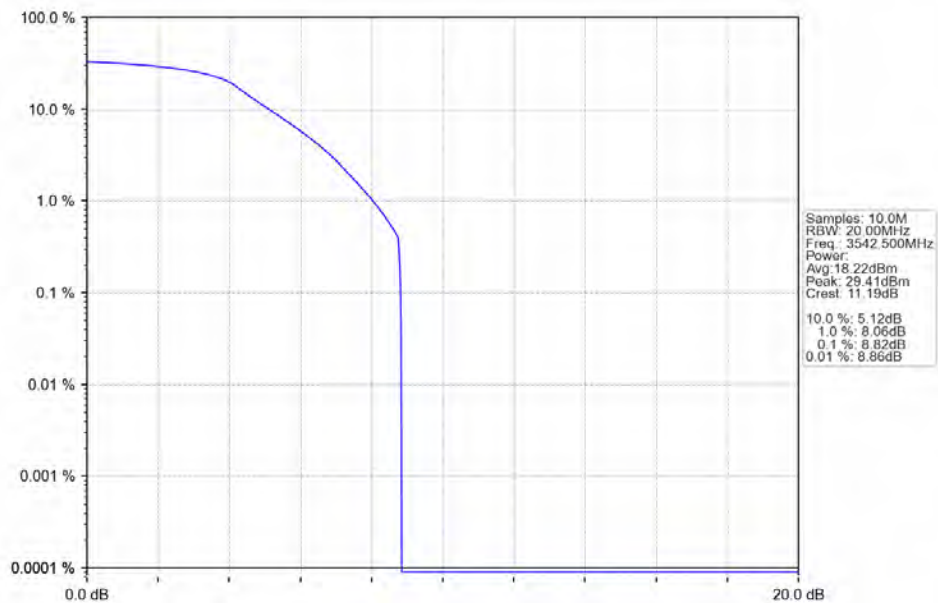
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV



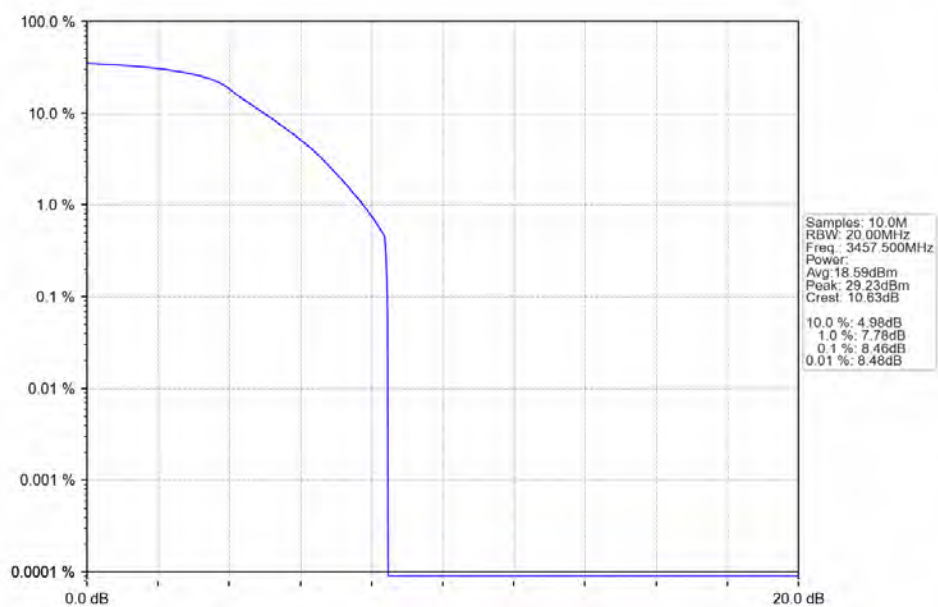
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



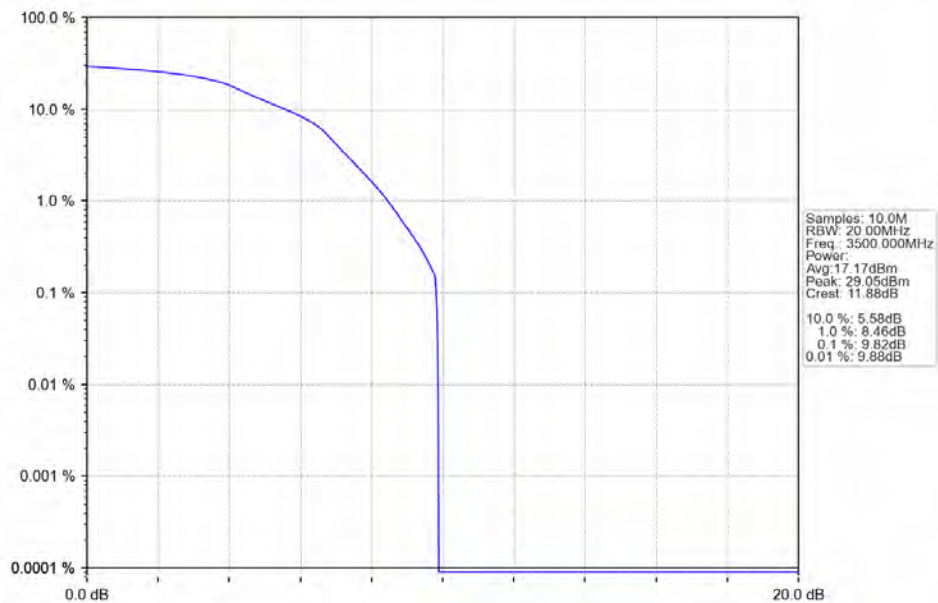
Band42a 15MHz QPSK HCH 3542.5MHz RB 75 0 NTNV



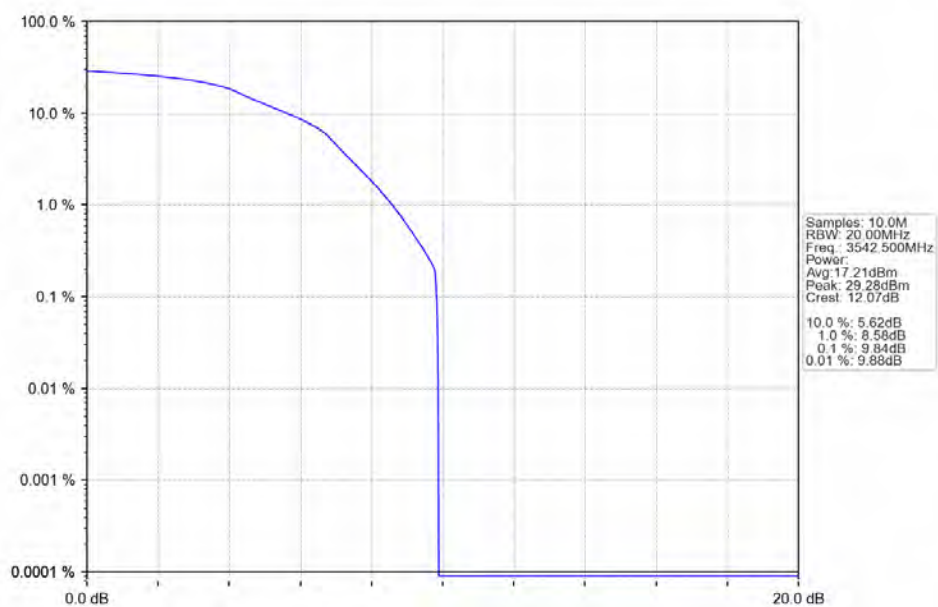
Band42a 15MHz 16QAM LCH 3457.5MHz RB 75 0 NTNV



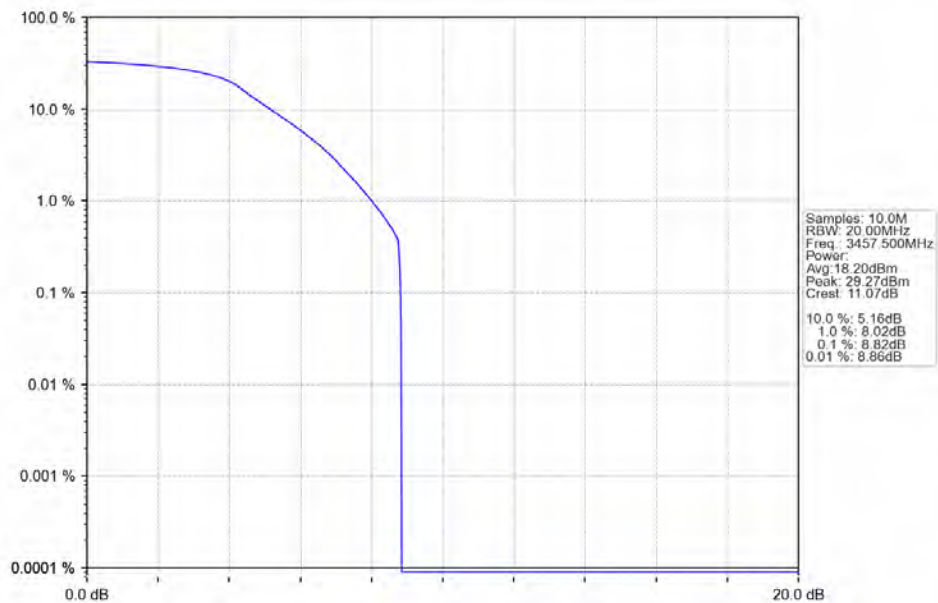
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTV



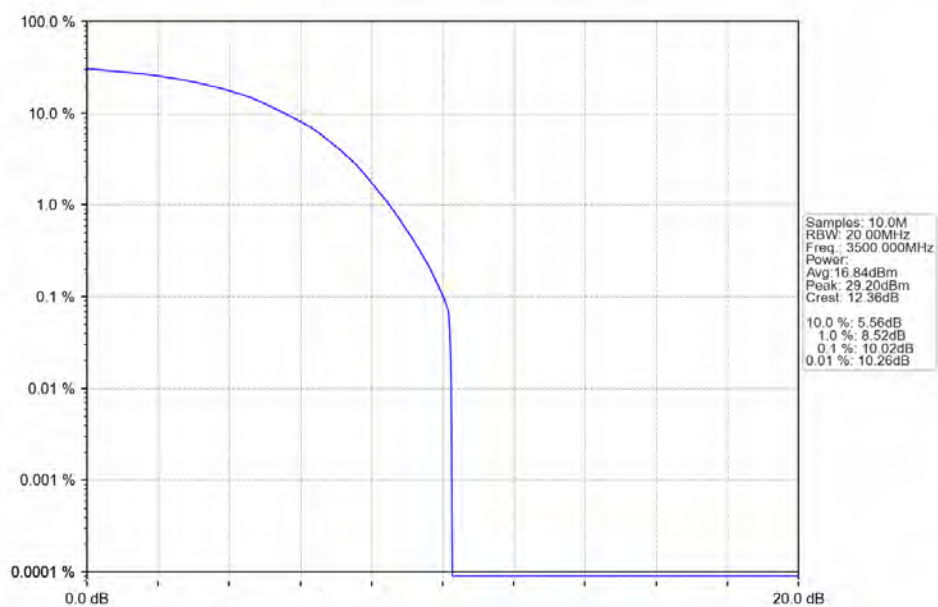
Band42a 15MHz 16QAM HCH 3542.5MHz RB 75 0 NTV



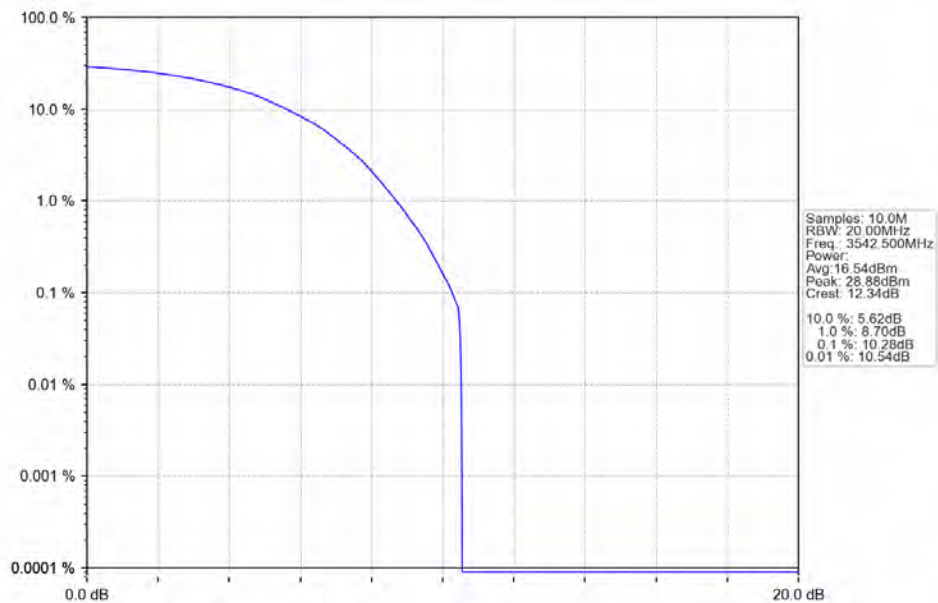
Band42a 15MHz 64QAM LCH 3457.5MHz RB 75 0 NTNV



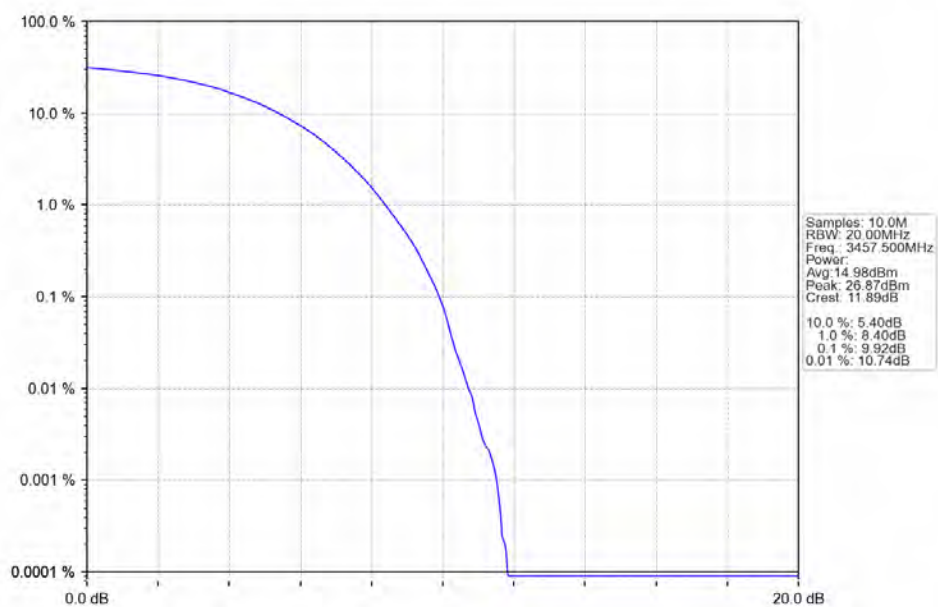
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTNV



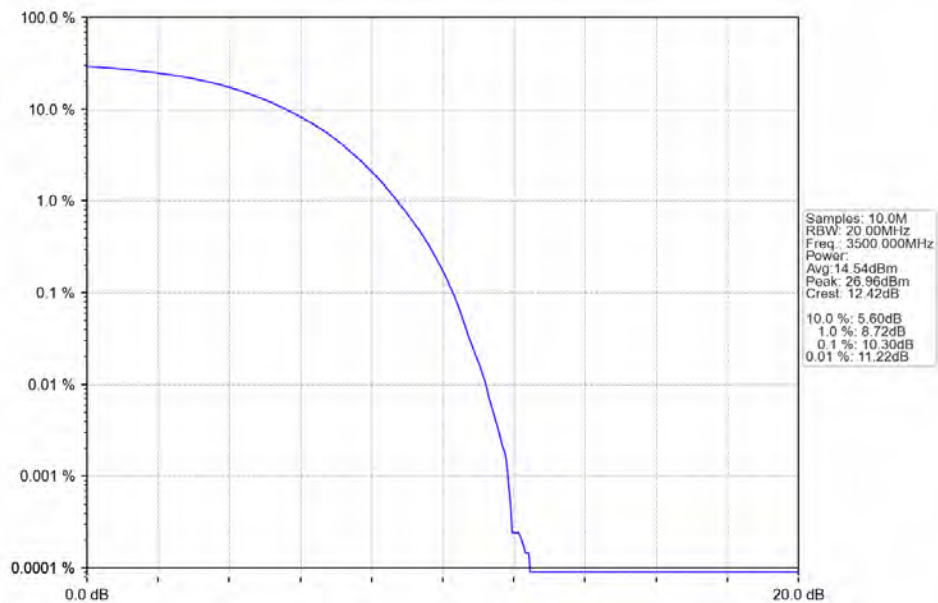
Band42a 15MHz 64QAM HCH 3542.5MHz RB 75 0 NTNV



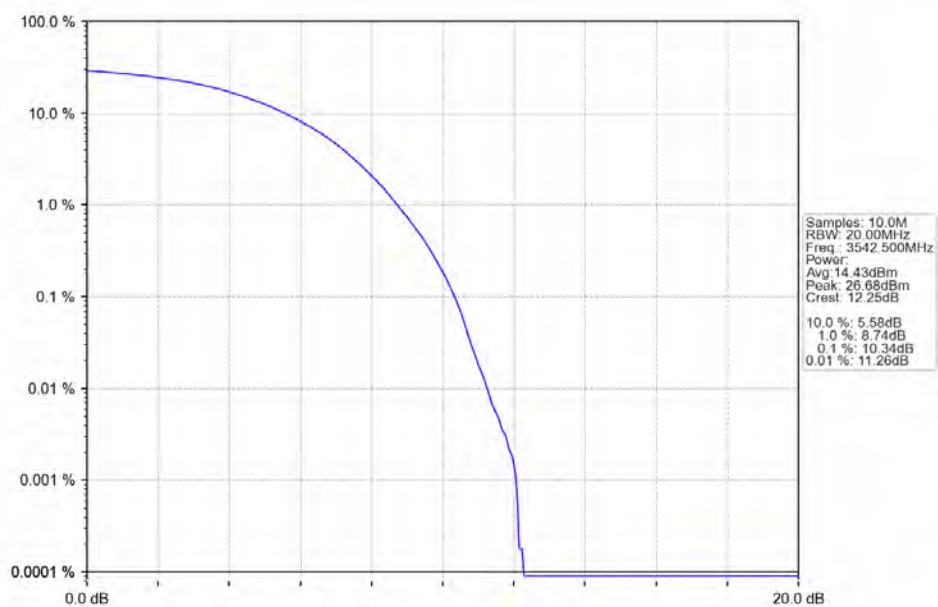
Band42a 15MHz 256QAM LCH 3457.5MHz RB 75 0 NTNV



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

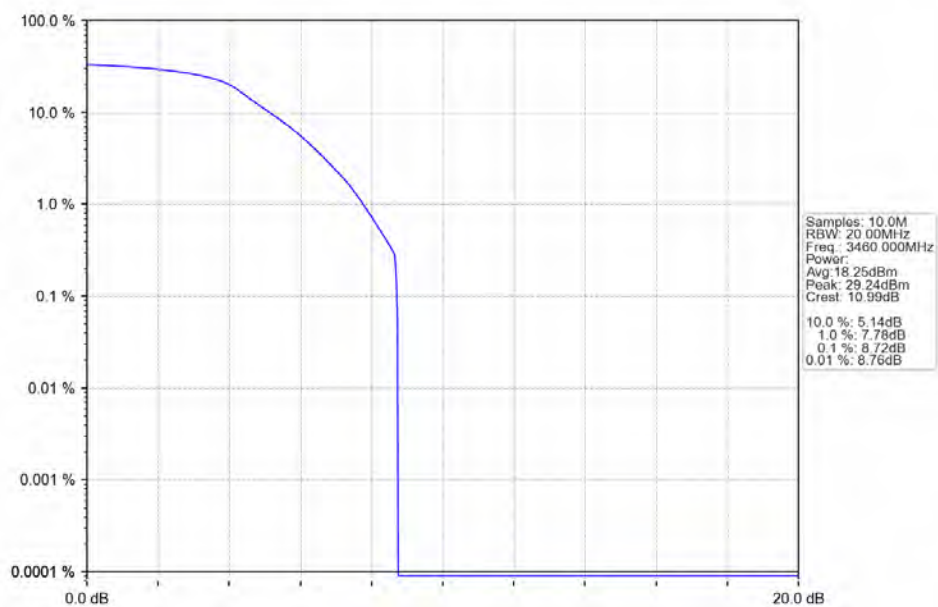


Band42a 15MHz 256QAM HCH 3542.5MHz RB 75 0 NTNV

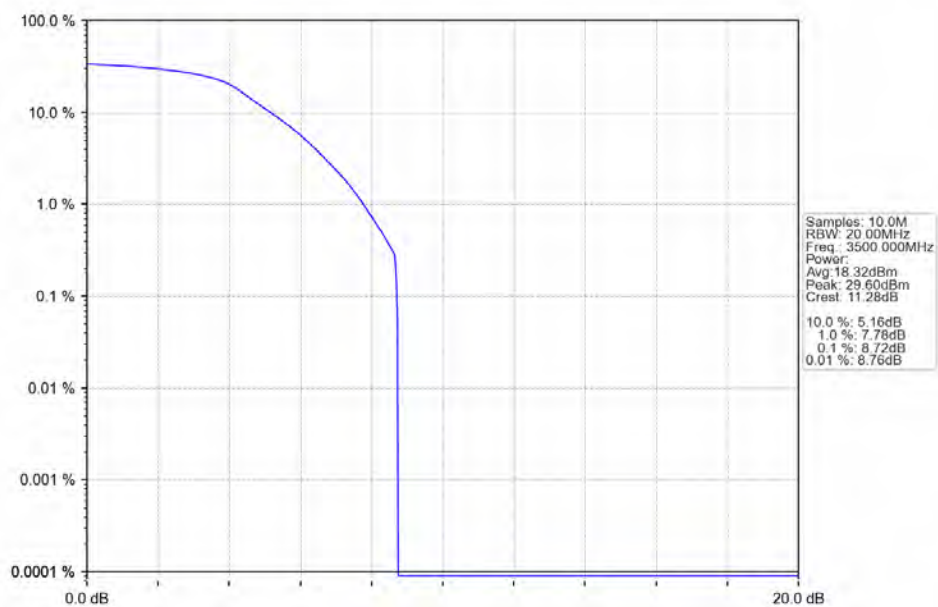


4.2.4 B42a_20MHz

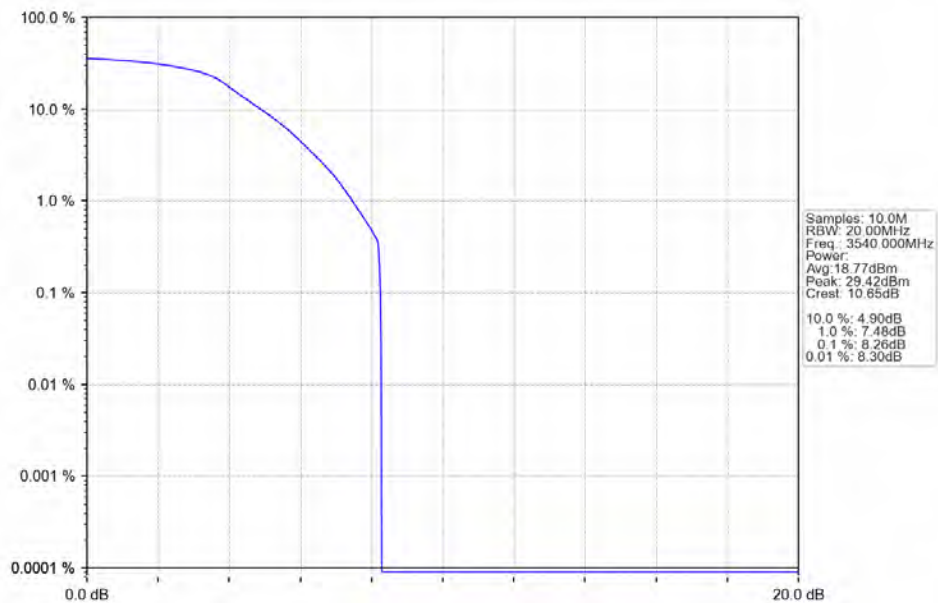
Band42a_20MHz_QPSK_LCH_3460MHz_RB_100_0_NTNV



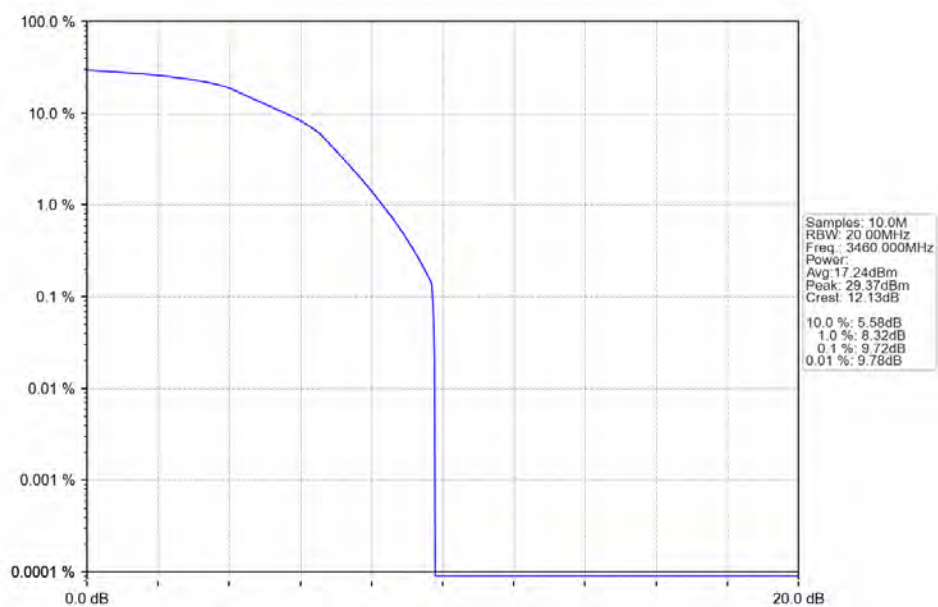
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



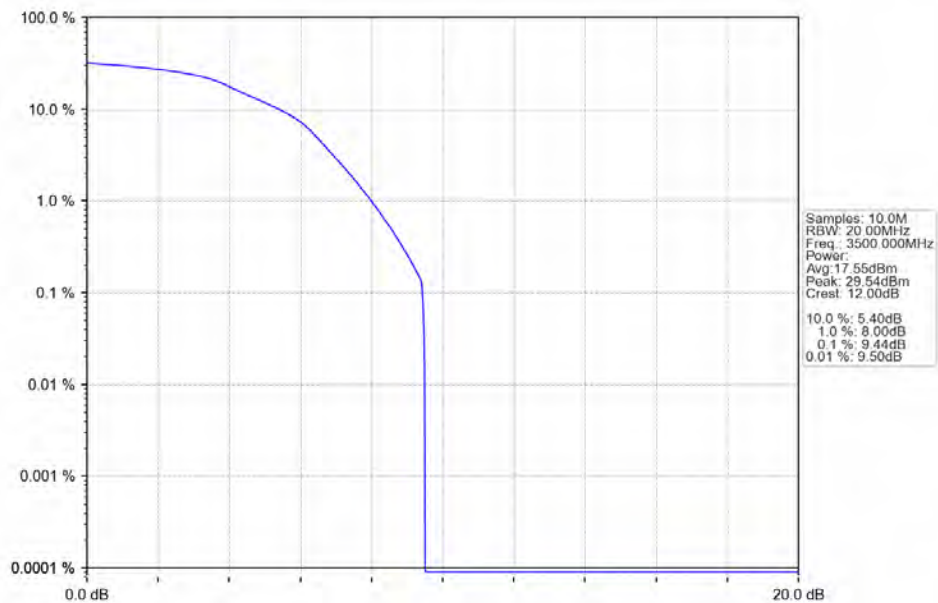
Band42a 20MHz QPSK HCH 3540MHz RB 100 0 NTNV



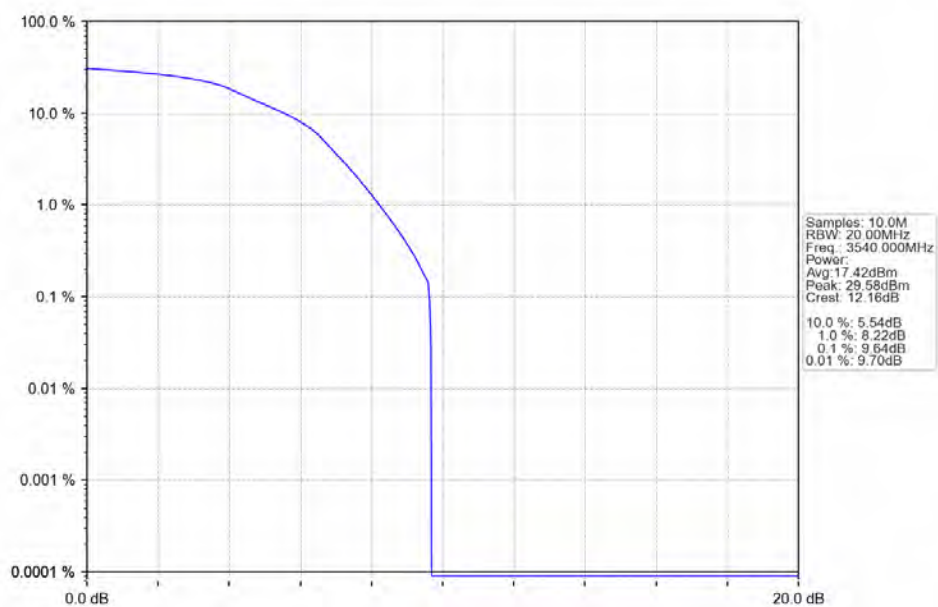
Band42a 20MHz 16QAM LCH 3460MHz RB 100 0 NTNV



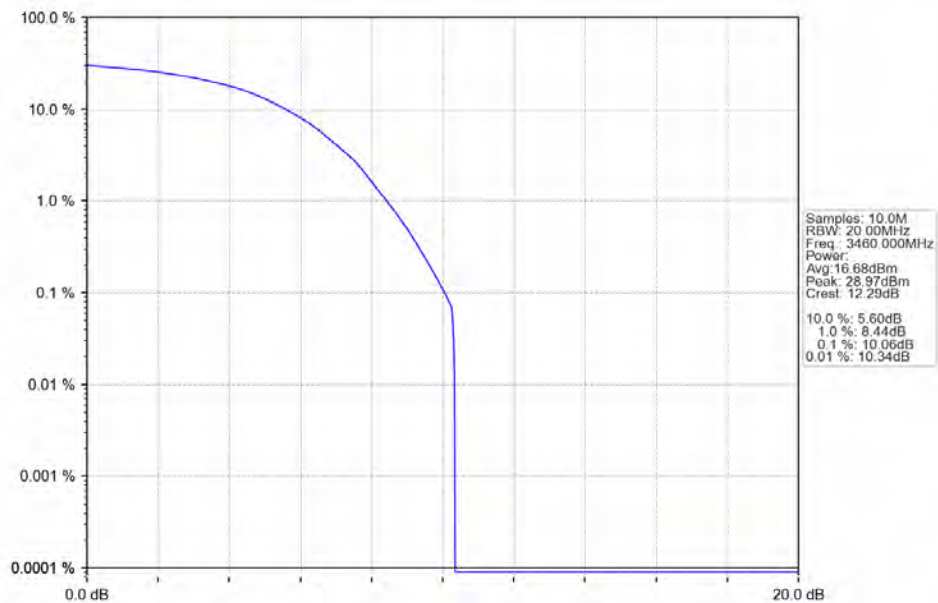
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTNV



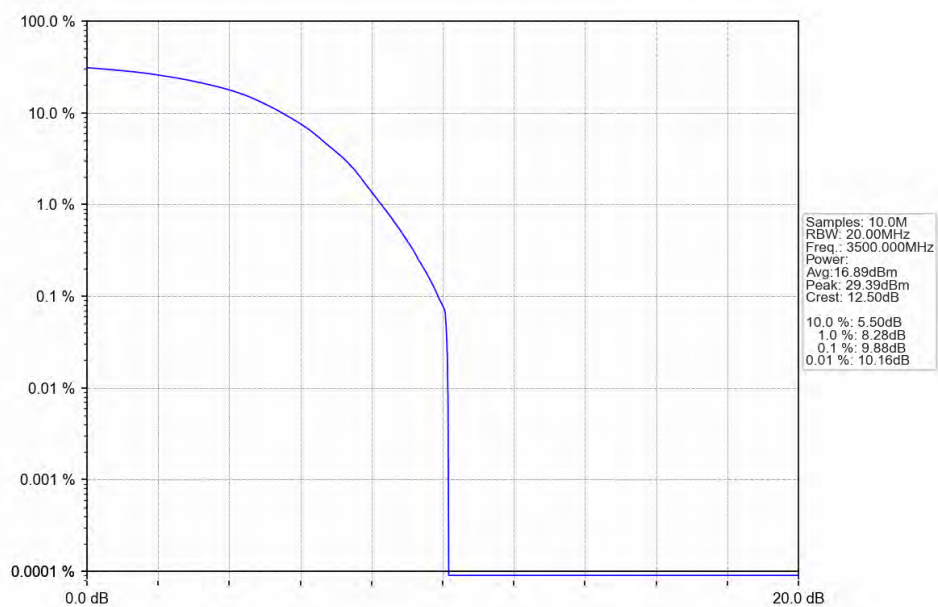
Band42a 20MHz 16QAM HCH 3540MHz RB 100 0 NTNV



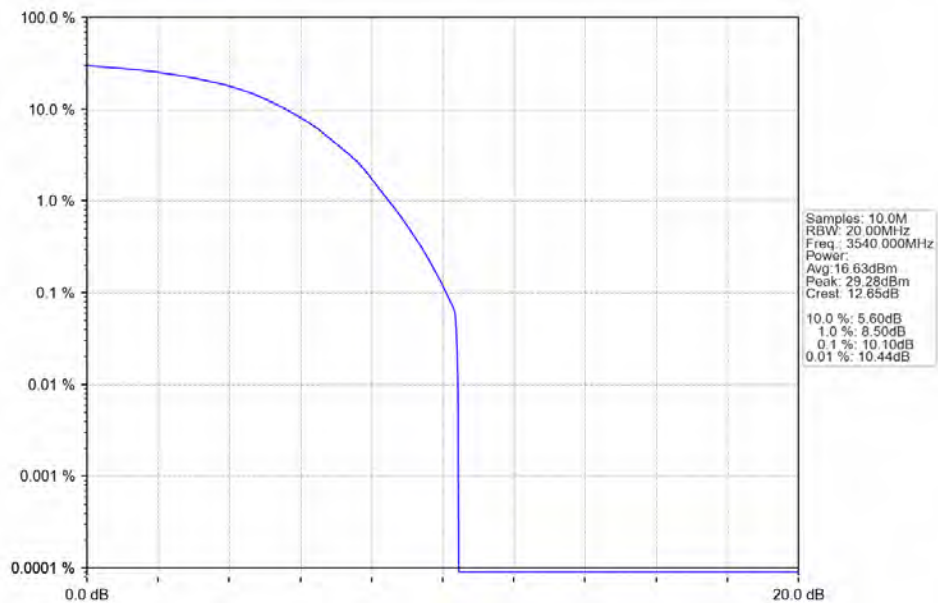
Band42a 20MHz 64QAM LCH 3460MHz RB 100 0 NTNV



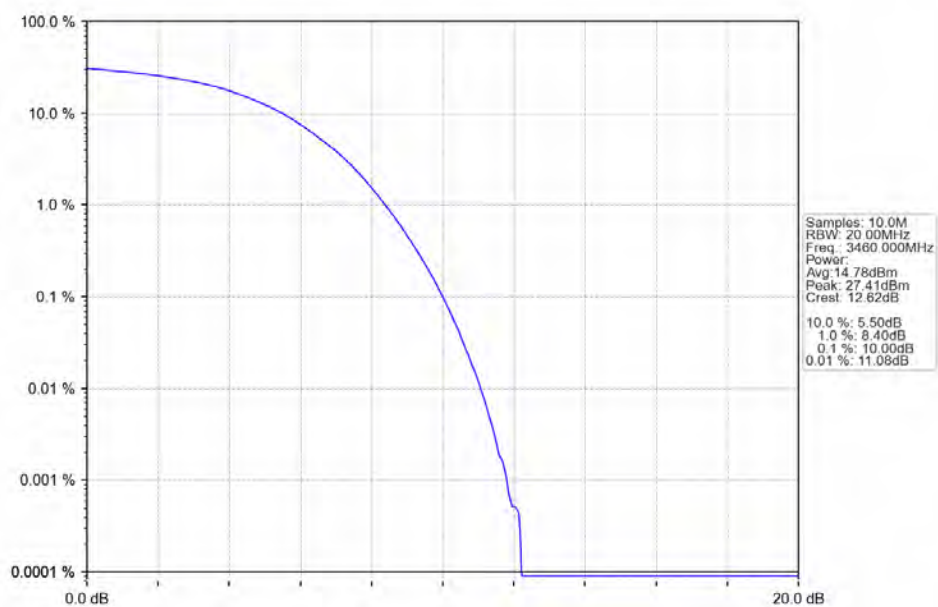
Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTNV



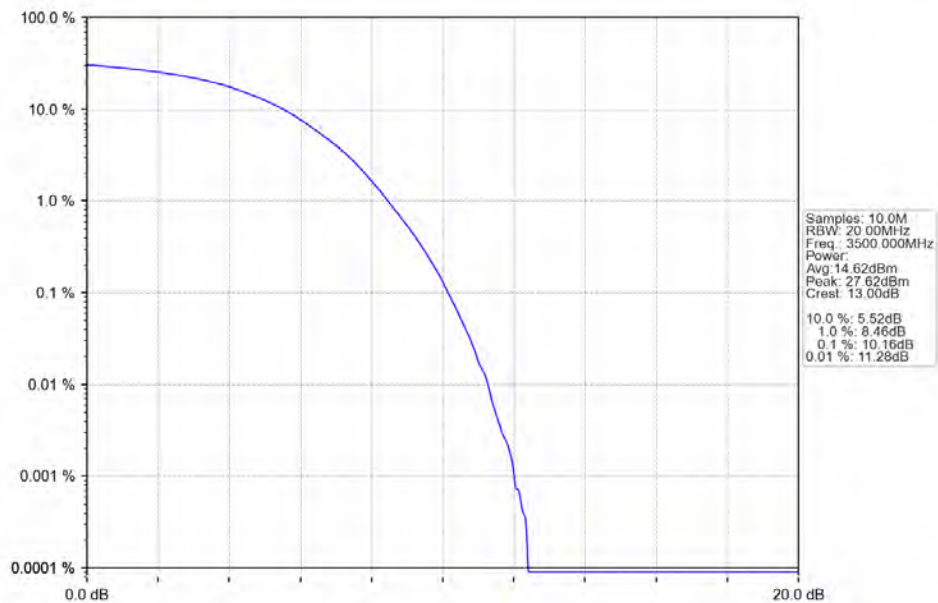
Band42a 20MHz 64QAM HCH 3540MHz RB 100 0 NTNV



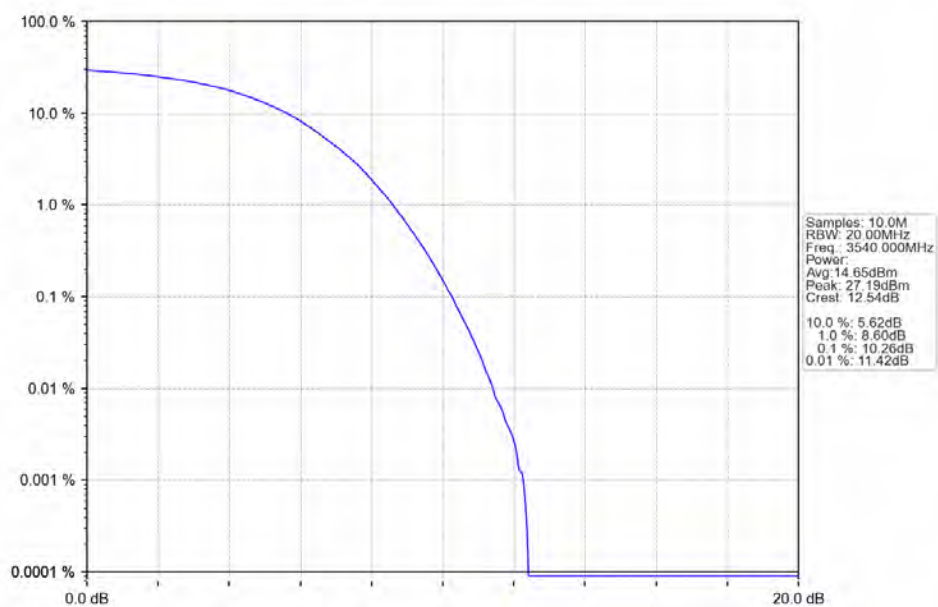
Band42a 20MHz 256QAM LCH 3460MHz RB 100 0 NTNV



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



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



5. Spurious Emission

5.1 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
		1	0	Refer To Test Graph		Pass
			24	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
		1	0	Refer To Test Graph		Pass
			24	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
		1	0	Refer To Test Graph		Pass
			24	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
		1	0	Refer To Test Graph		Pass
			24	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
		1	0	Refer To Test Graph		Pass
			49	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
		1	0	Refer To Test Graph		Pass
			49	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
		3545	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
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

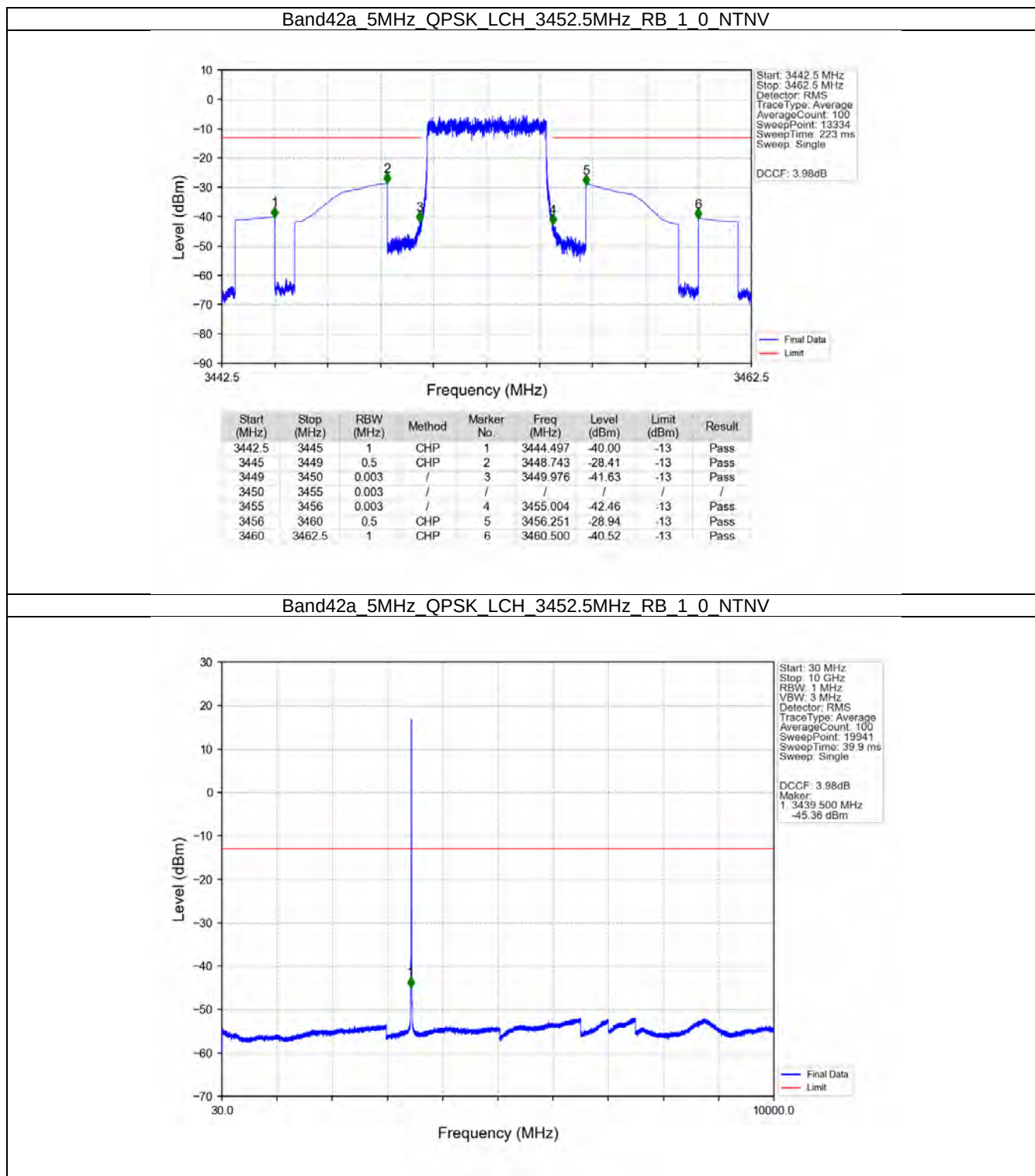
5.1.4 B42a_20MHz

Band: 42a / Bandwidth: 20MHz / NTN/V						
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

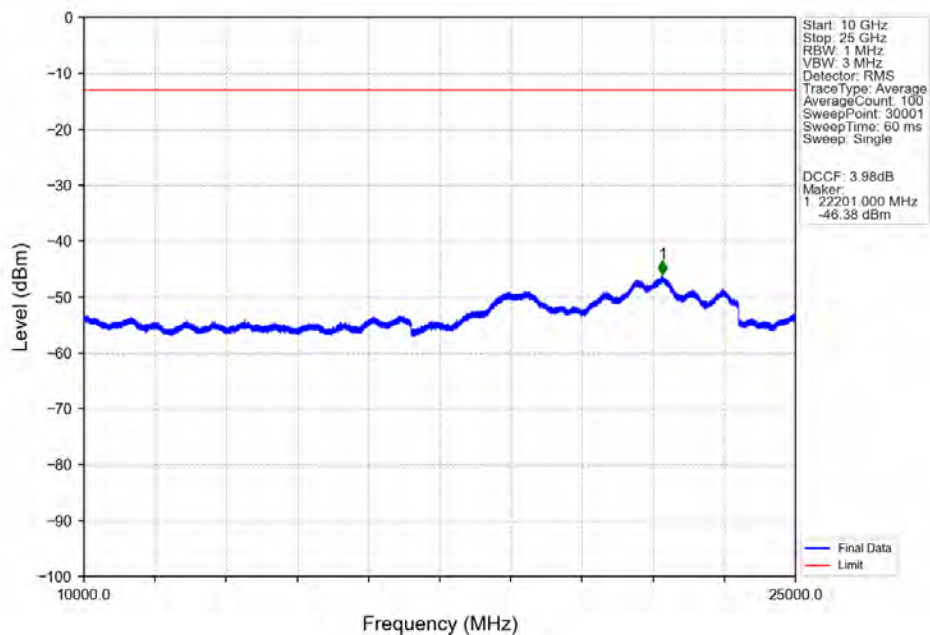
		100	0	Refer To Test Graph	Pass
64QAM	3460	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3500	1	0	Refer To Test Graph	Pass
	3540	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
256QAM	3460	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test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

5.2 Test Graph

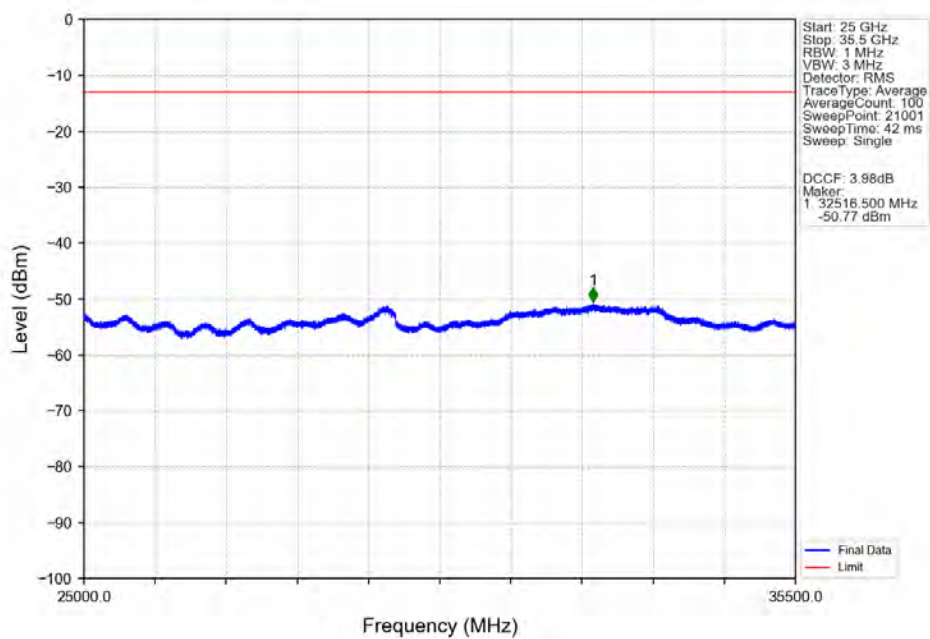
5.2.1 B42a_5MHz



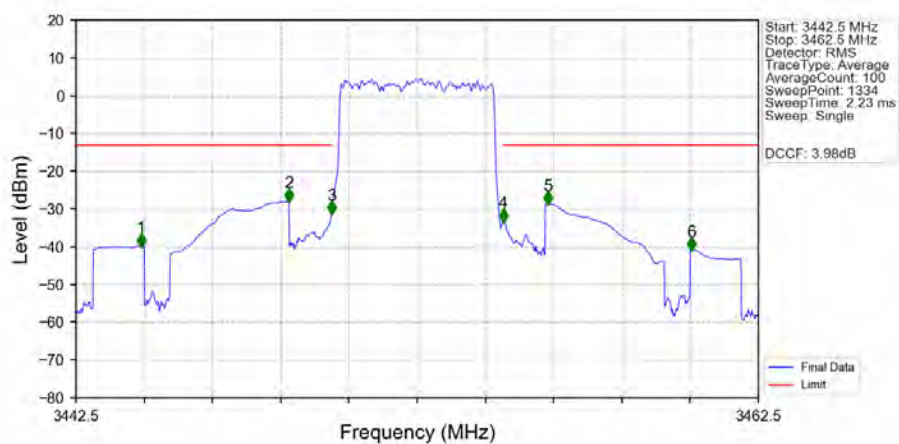
Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV



Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV

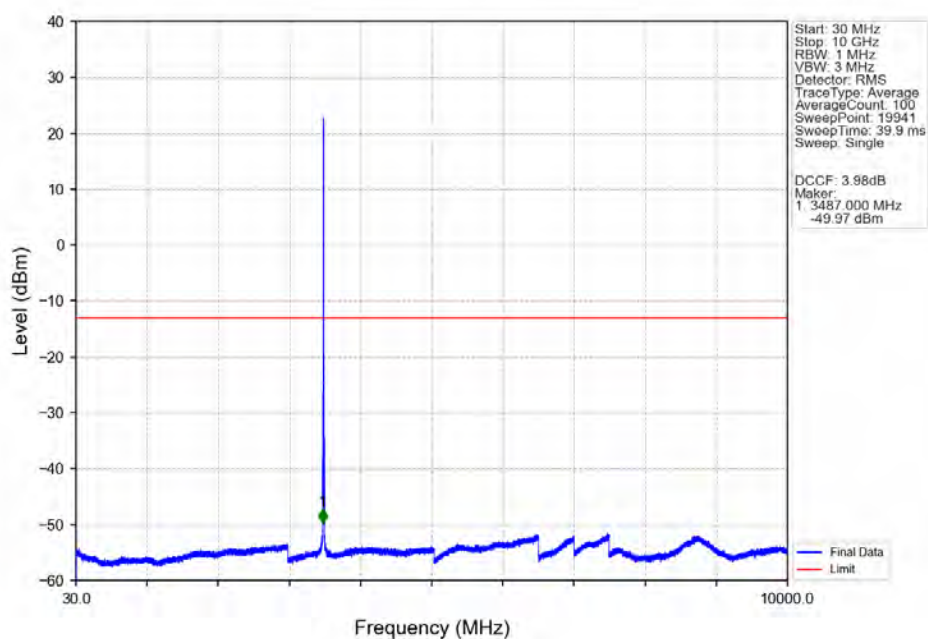


Band42a 5MHz QPSK LCH 3452.5MHz RB 25 0 NTNV

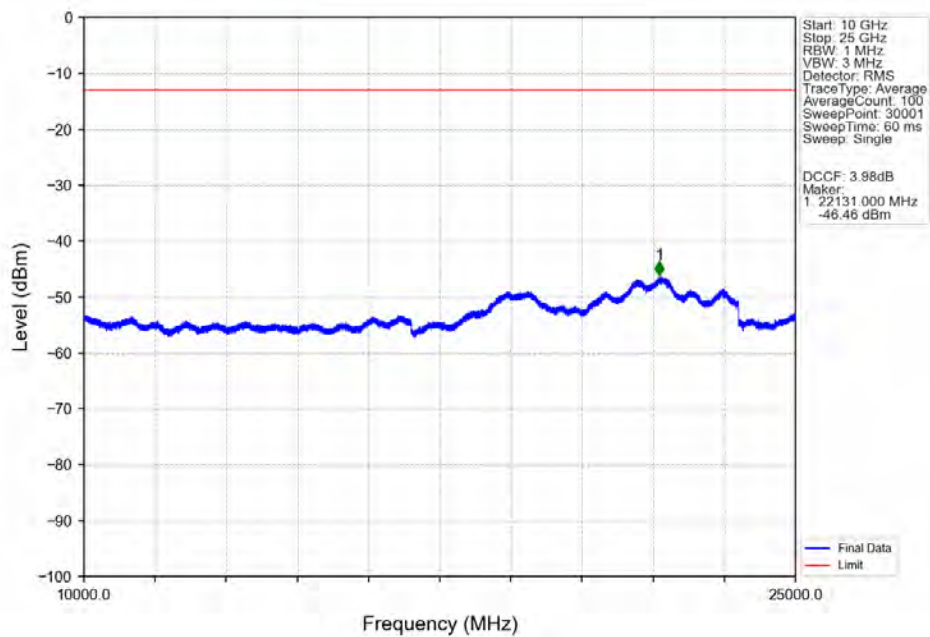


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3442.5	3445	1	CHP	1	3444.405	-39.82	-13	Pass
3445	3449	0.5	CHP	2	3448.742	-27.89	-13	Pass
3449	3450	0.05	CHP	3	3449.987	-31.18	-13	Pass
3450	3455	0.05	CHP	/	/	/	/	/
3455	3456	0.05	CHP	4	3455.028	-33.20	-13	Pass
3456	3460	0.5	CHP	5	3456.333	-28.58	-13	Pass
3460	3462.5	1	CHP	6	3460.550	-40.82	-13	Pass

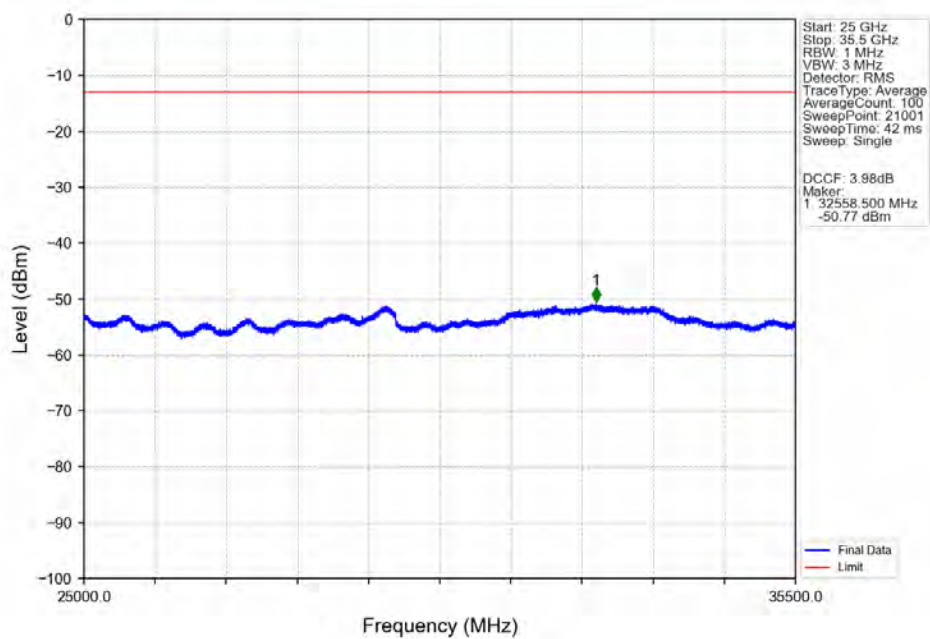
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



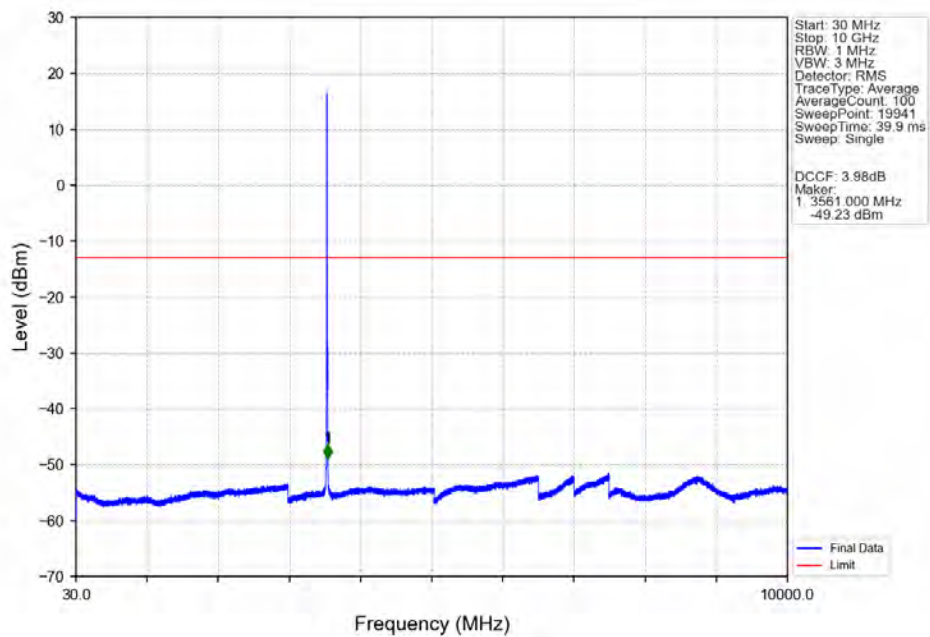
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



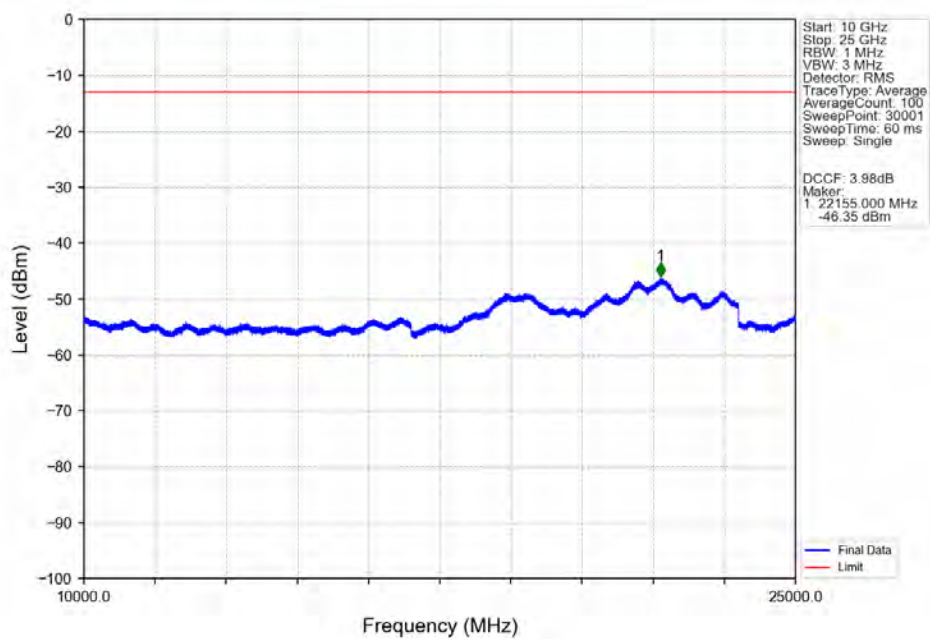
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



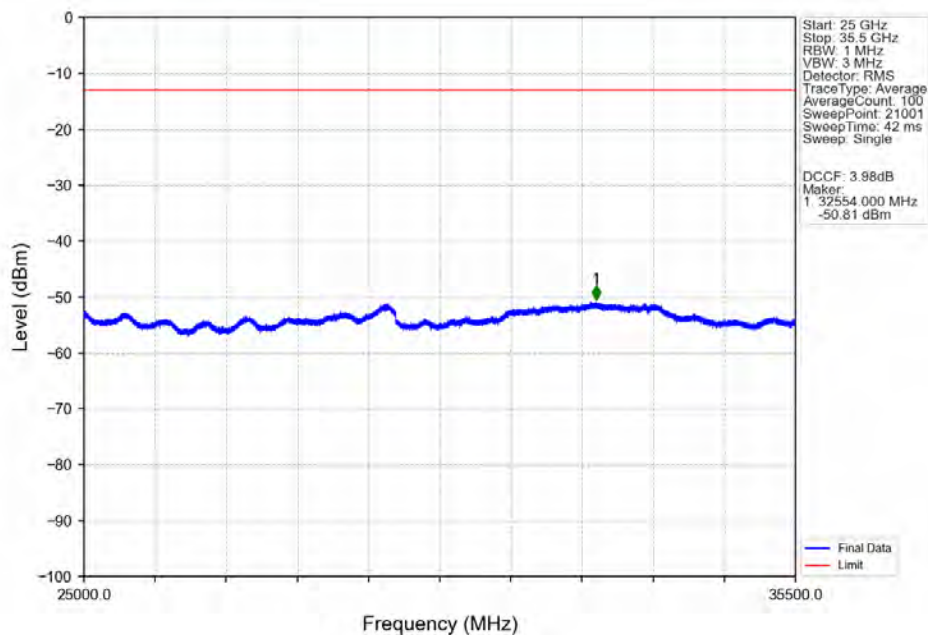
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV



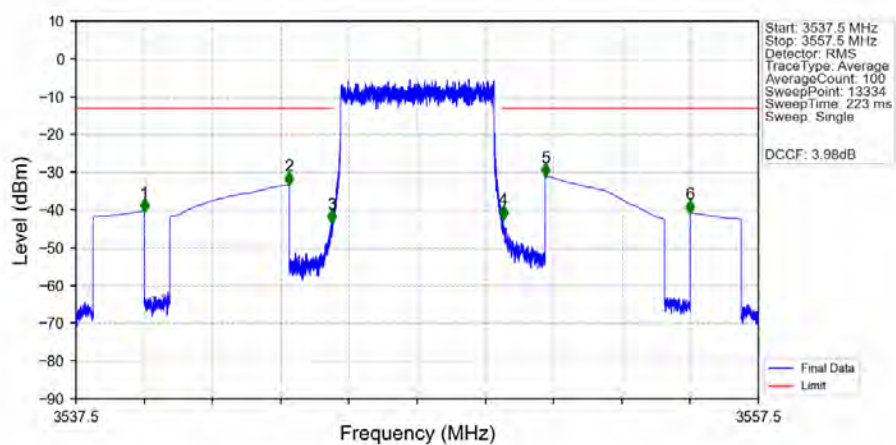
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV



Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV

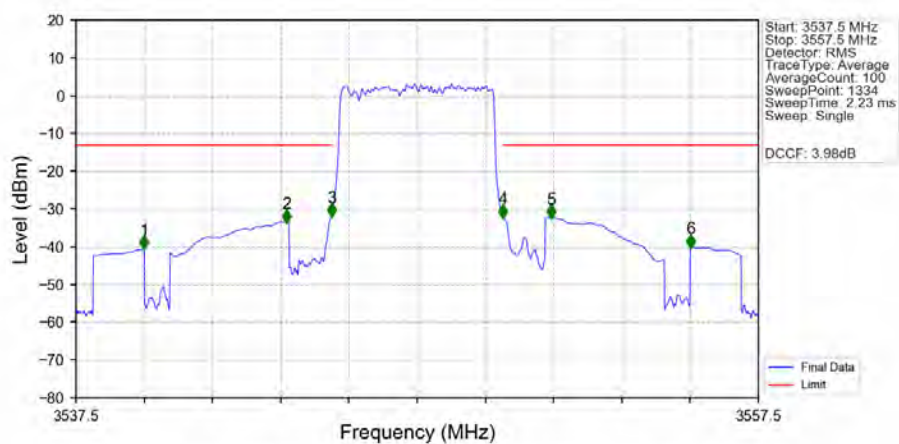


Band42a 5MHz QPSK HCH 3547.5MHz RB 1 24 NTNV



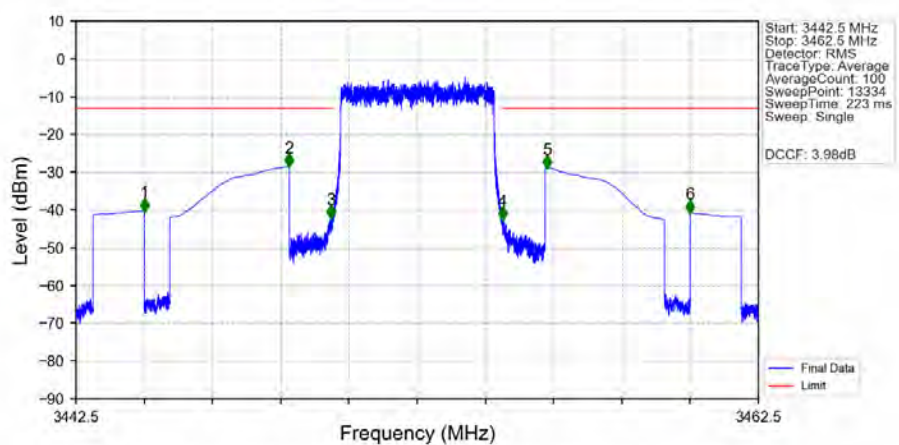
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.498	-40.35	-13	Pass
3540	3544	0.5	CHP	2	3543.746	-33.19	-13	Pass
3544	3545	0.003	/	3	3544.991	-43.30	-13	Pass
3545	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.021	-42.15	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-30.95	-13	Pass
3555	3557.5	1	CHP	6	3555.500	-40.64	-13	Pass

Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTNV



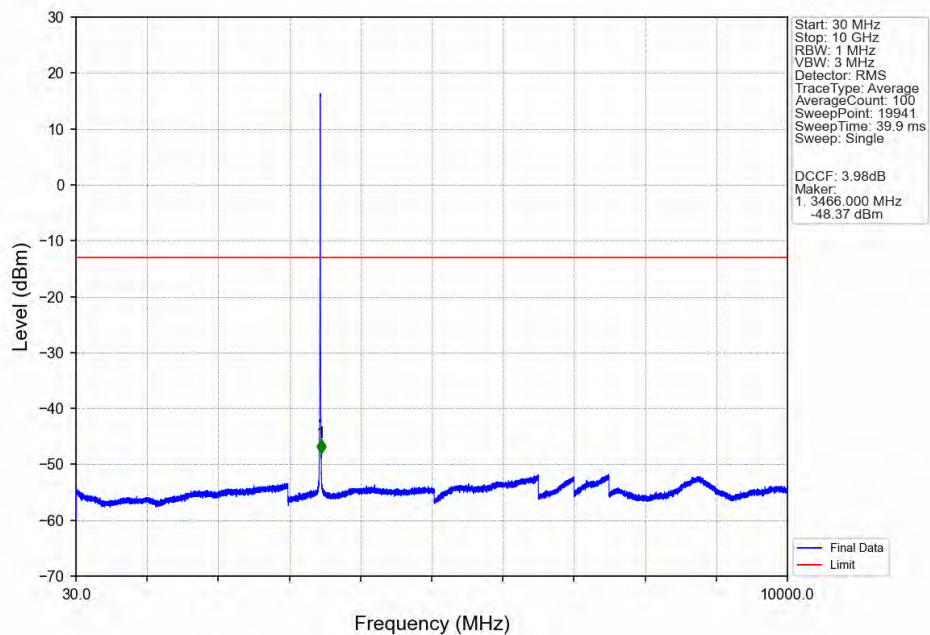
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.495	-40.41	-13	Pass
3540	3544	0.5	CHP	2	3543.667	-33.42	-13	Pass
3544	3545	0.049	CHP	3	3544.987	-31.80	-13	Pass
3545	3550	0.049	CHP	/	/	/	/	/
3550	3551	0.049	CHP	4	3550.013	-32.17	-13	Pass
3551	3555	0.5	CHP	5	3551.423	-32.18	-13	Pass
3555	3557.5	1	CHP	6	3555.505	-40.05	-13	Pass

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

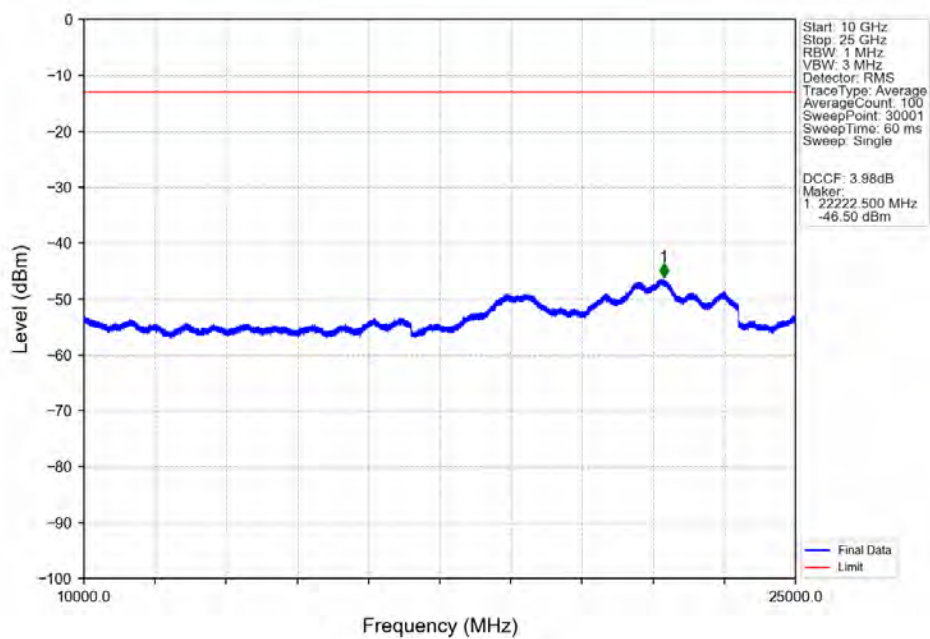


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3442.5	3445	1	CHP	1	3444.498	-40.24	-13	Pass
3445	3449	0.5	CHP	2	3448.748	-28.32	-13	Pass
3449	3450	0.003	/	3	3449.976	-41.97	-13	Pass
3450	3455	0.003	/	/	/	/	/	/
3455	3456	0.003	/	4	3455.004	-42.47	-13	Pass
3456	3460	0.5	CHP	5	3456.300	-28.83	-13	Pass
3460	3462.5	1	CHP	6	3460.500	-40.62	-13	Pass

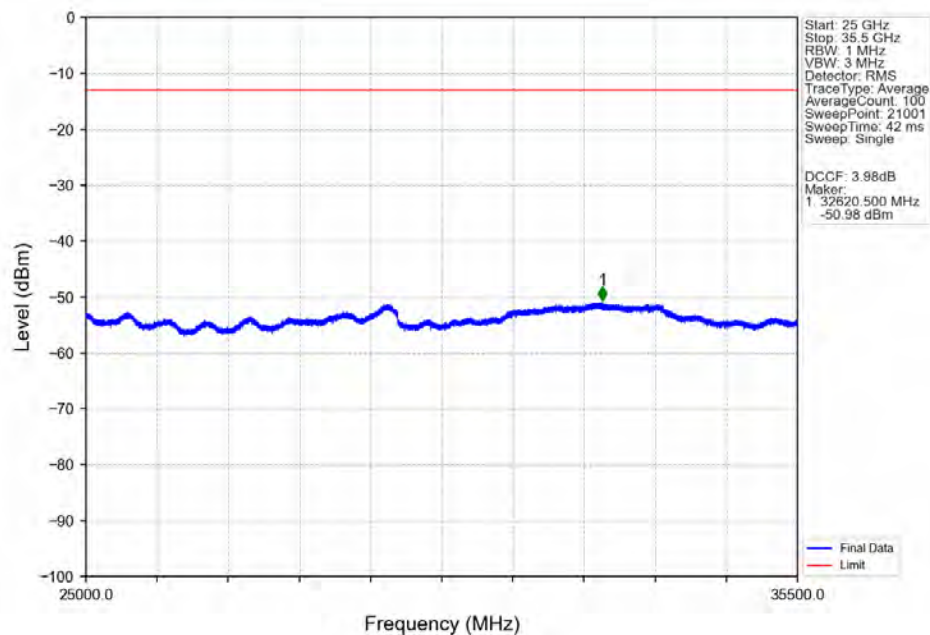
Band42a 5MHz 16QAM LCH 3452.5MHz RB 1 0 NTNV



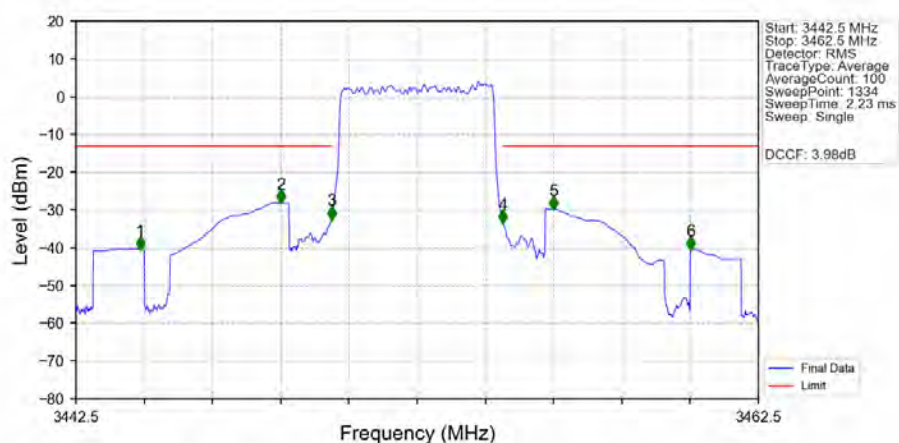
Band42a 5MHz 16QAM LCH 3452.5MHz RB 1 0 NTNV



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

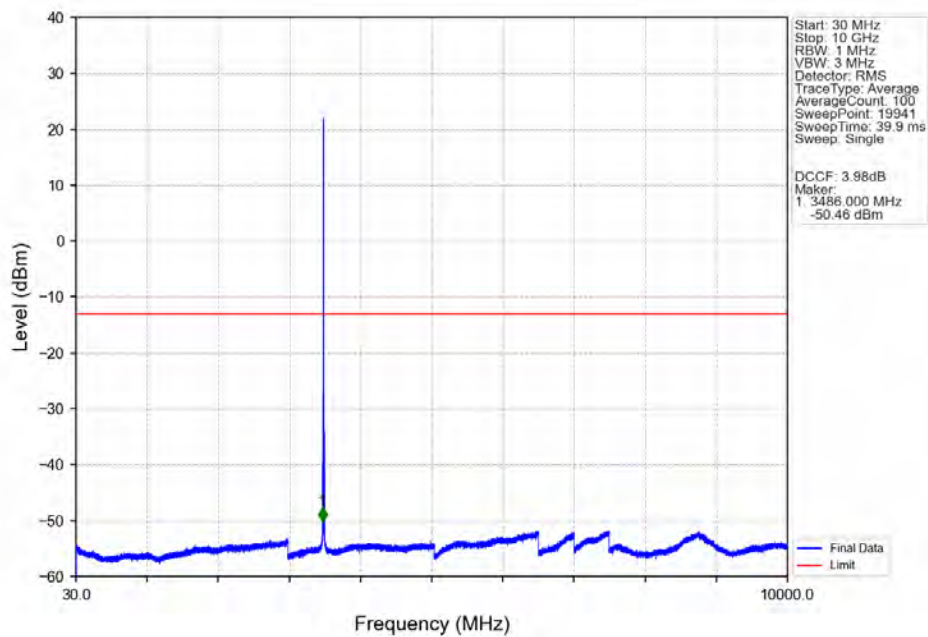


Band42a 5MHz 16QAM LCH 3452.5MHz RB 25 0 NTNV

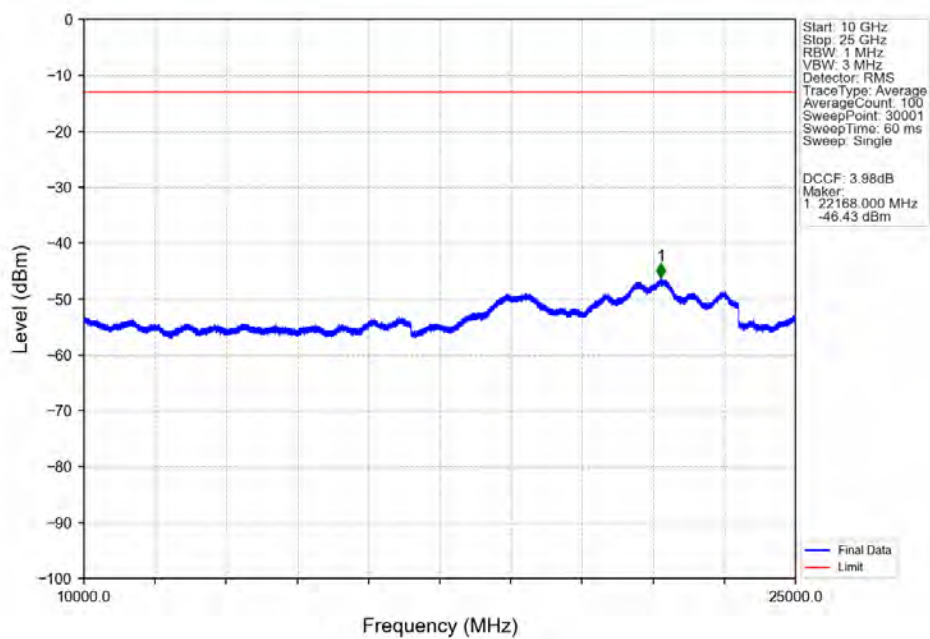


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3442.5	3445	1	CHP	1	3444.390	-40.36	-13	Pass
3445	3449	0.5	CHP	2	3448.501	-27.95	-13	Pass
3449	3450	0.051	CHP	3	3449.987	-32.34	-13	Pass
3450	3455	0.051	CHP	/	/	/	/	/
3455	3456	0.051	CHP	4	3455.013	-33.27	-13	Pass
3456	3460	0.5	CHP	5	3456.483	-29.68	-13	Pass
3460	3462.5	1	CHP	6	3460.505	-40.34	-13	Pass

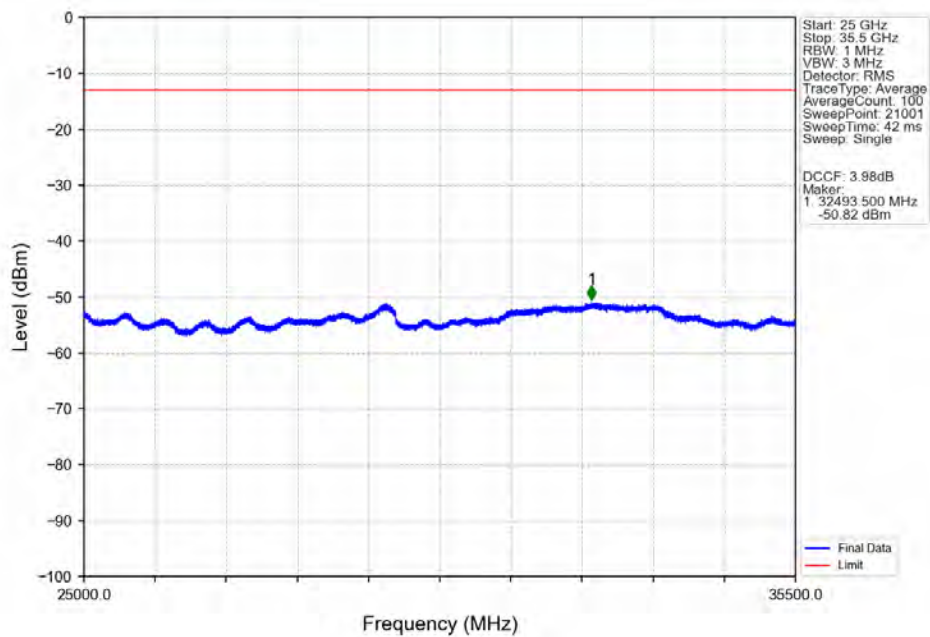
Band42a 5MHz 16QAM MCH 3500MHz RB 1 0 NTNV



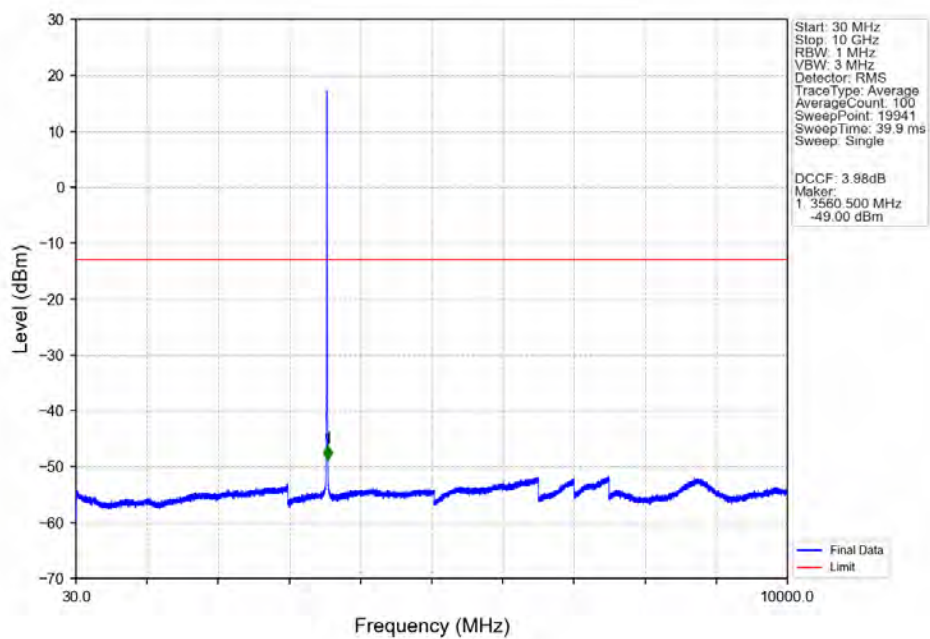
Band42a 5MHz 16QAM MCH 3500MHz RB 1 0 NTNV



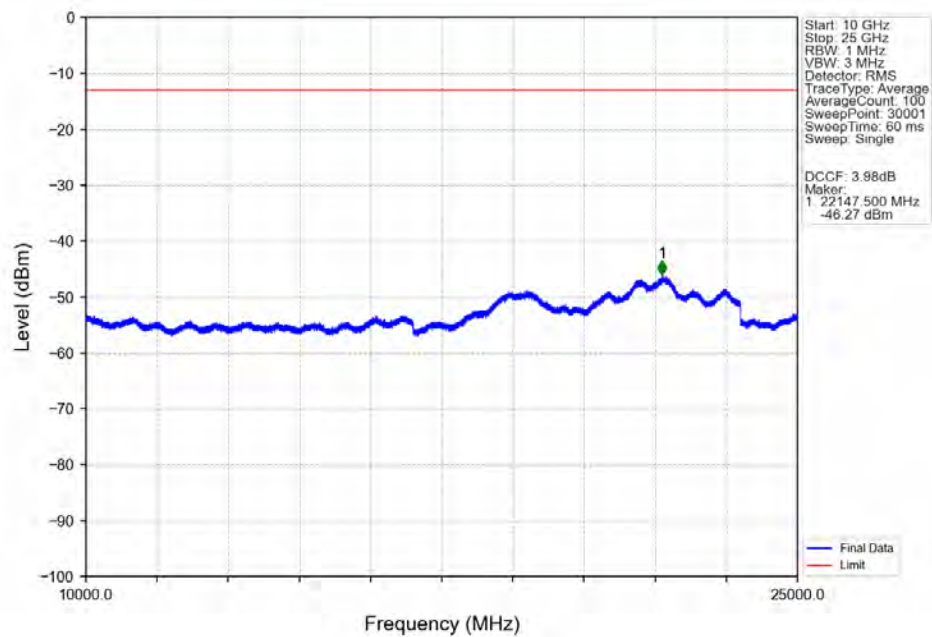
Band42a 5MHz 16QAM MCH 3500MHz RB 1 0 NTNV



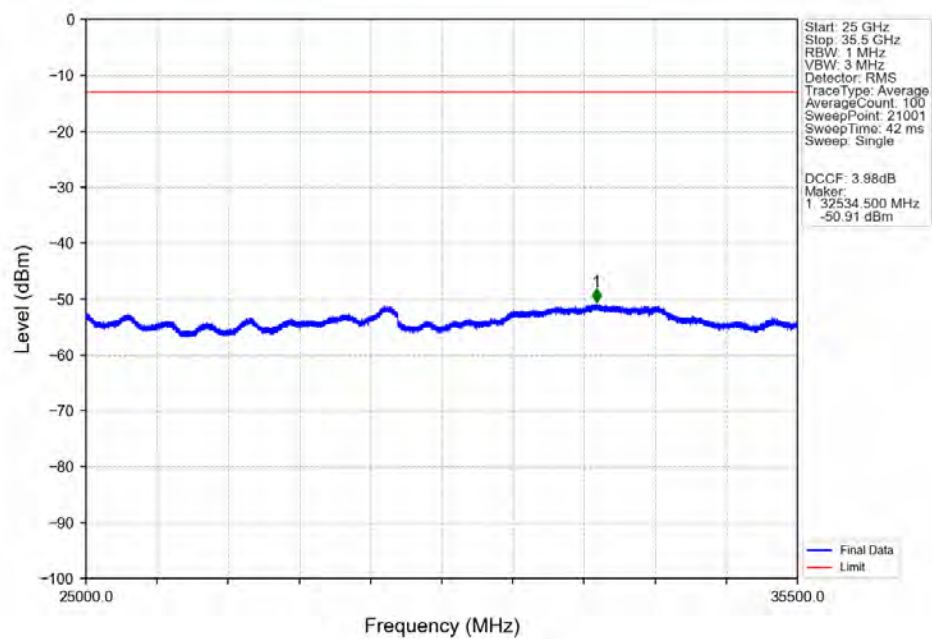
Band42a 5MHz 16QAM HCH 3547.5MHz RB 1 0 NTNV



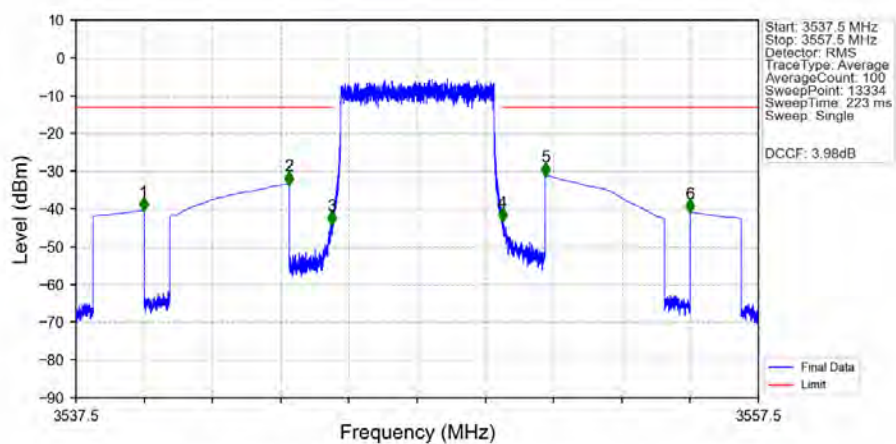
Band42a 5MHz 16QAM HCH 3547.5MHz RB 1 0 NTNV



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

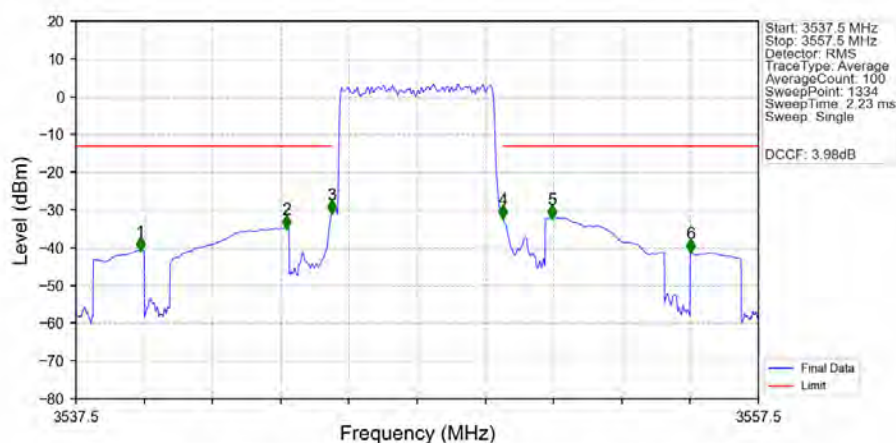


Band42a 5MHz 16QAM HCH 3547.5MHz RB 1 24 NTNV

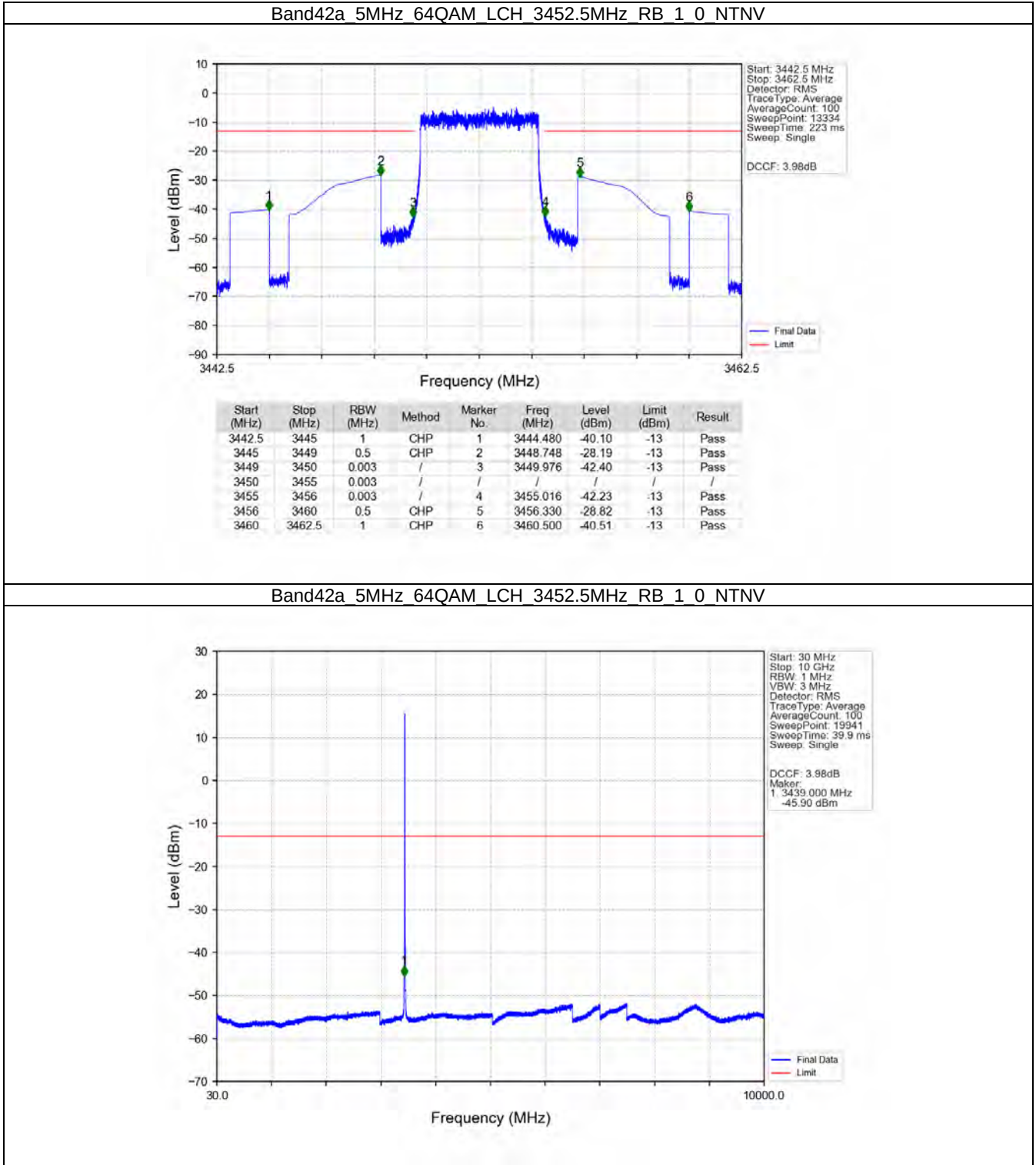


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.486	-40.34	-13	Pass
3540	3544	0.5	CHP	2	3543.739	-33.38	-13	Pass
3544	3545	0.003	/	3	3544.991	-44.03	-13	Pass
3545	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.003	-43.17	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-31.04	-13	Pass
3555	3557.5	1	CHP	6	3555.500	-40.76	-13	Pass

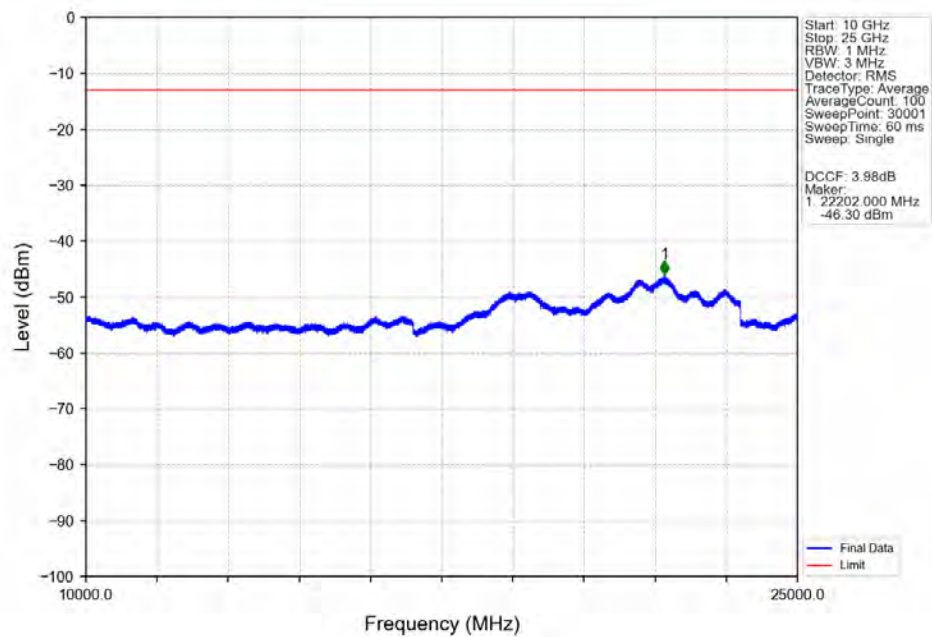
Band42a 5MHz 16QAM HCH 3547.5MHz RB 25 0 NTNV



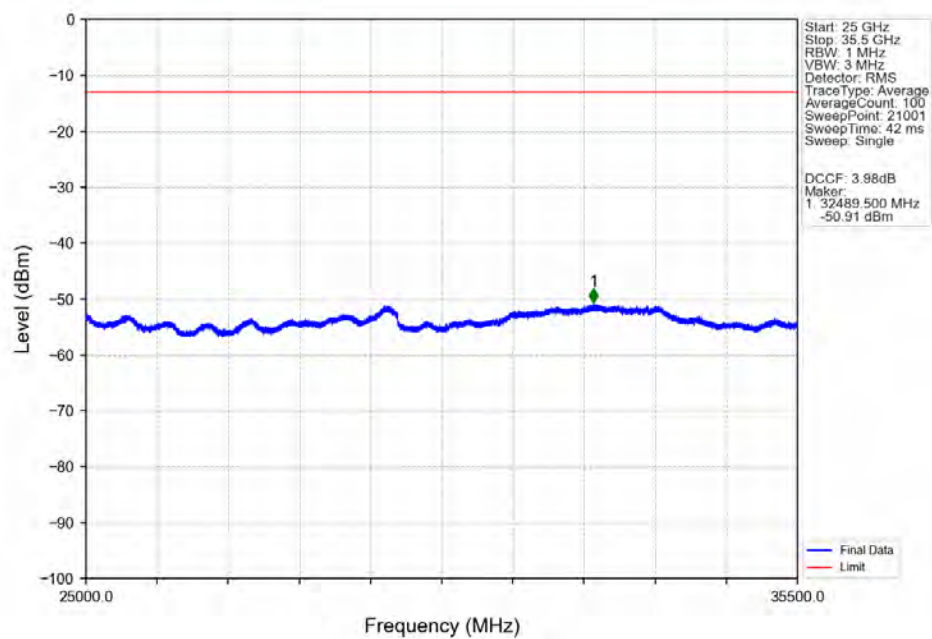
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.390	-40.65	-13	Pass
3540	3544	0.5	CHP	2	3543.667	-34.69	-13	Pass
3544	3545	0.05	CHP	3	3544.987	-30.78	-13	Pass
3545	3550	0.05	CHP	/	/	/	/	/
3550	3551	0.05	CHP	4	3550.013	-32.03	-13	Pass
3551	3555	0.5	CHP	5	3551.438	-32.02	-13	Pass
3555	3557.5	1	CHP	6	3555.505	-41.04	-13	Pass



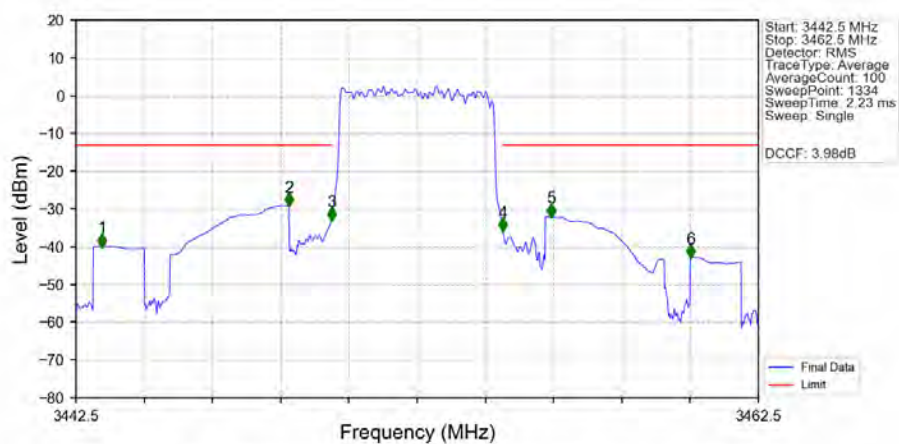
Band42a 5MHz 64QAM LCH 3452.5MHz RB 1 0 NTNV



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

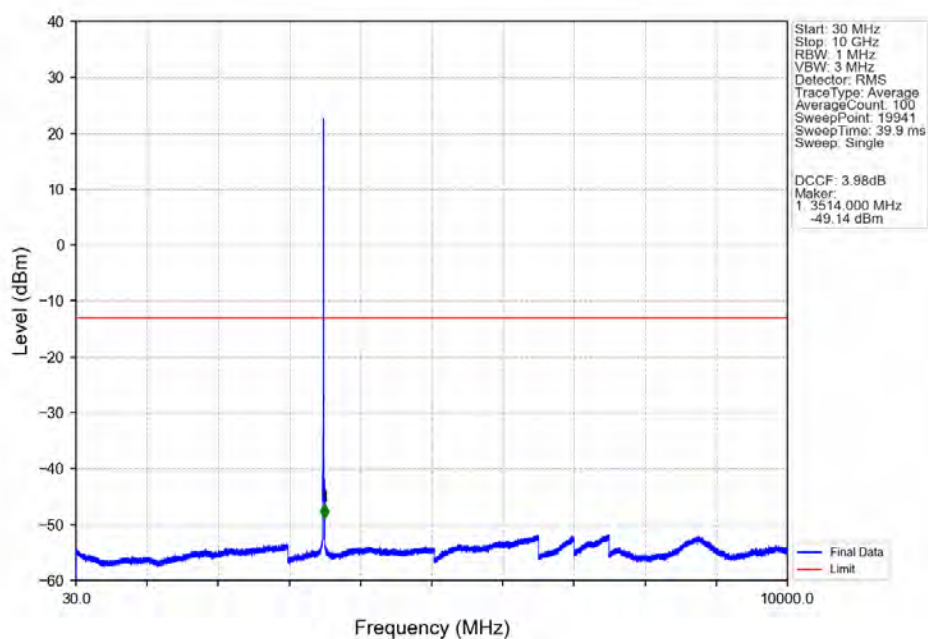


Band42a 5MHz 64QAM LCH 3452.5MHz RB 25 0 NTNV

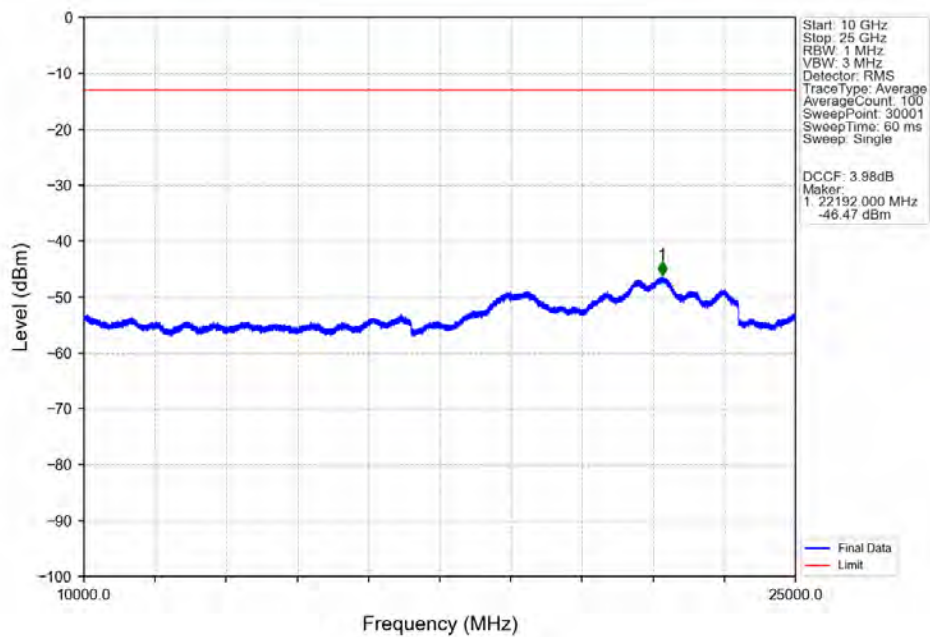


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3442.5	3445	1	CHP	1	3443.265	-39.84	-13	Pass
3445	3449	0.5	CHP	2	3448.742	-29.02	-13	Pass
3449	3450	0.051	CHP	3	3449.987	-32.89	-13	Pass
3450	3455	0.051	CHP	/	/	/	/	/
3455	3456	0.051	CHP	4	3455.013	-35.68	-13	Pass
3456	3460	0.5	CHP	5	3456.423	-31.96	-13	Pass
3460	3462.5	1	CHP	6	3460.505	-42.69	-13	Pass

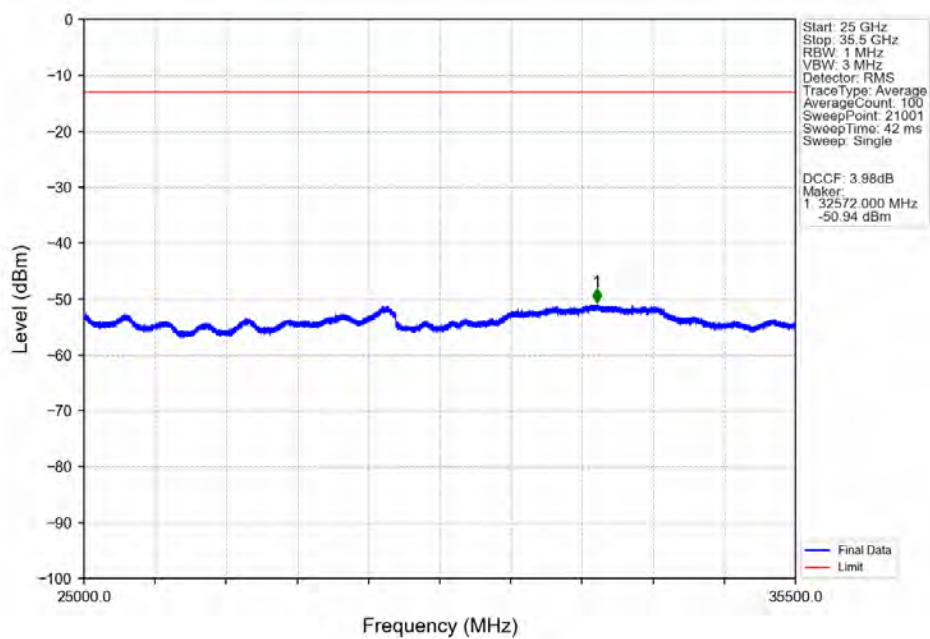
Band42a 5MHz 64QAM MCH 3500MHz RB 1 0 NTNV



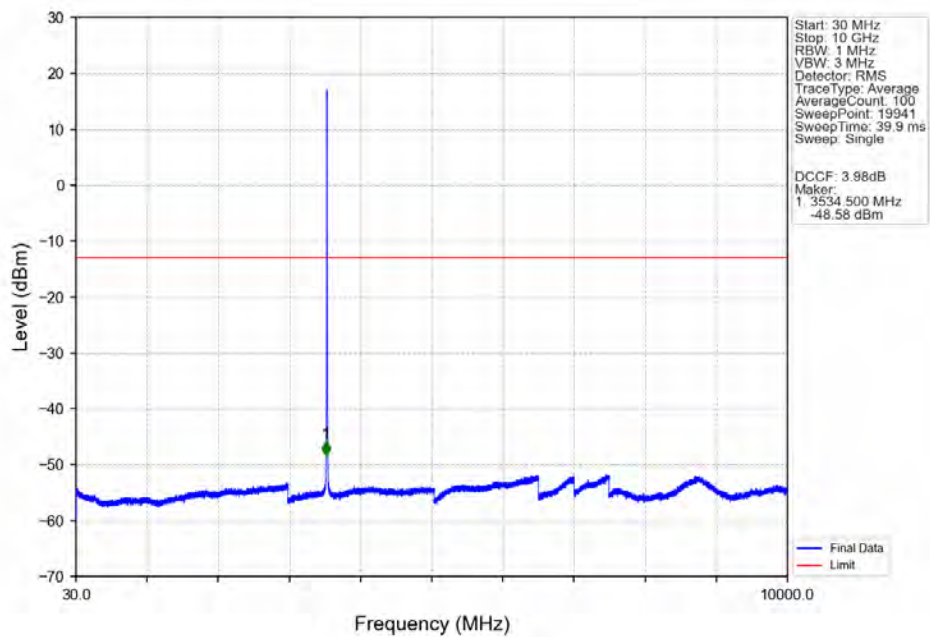
Band42a 5MHz 64QAM MCH 3500MHz RB 1 0 NTNV



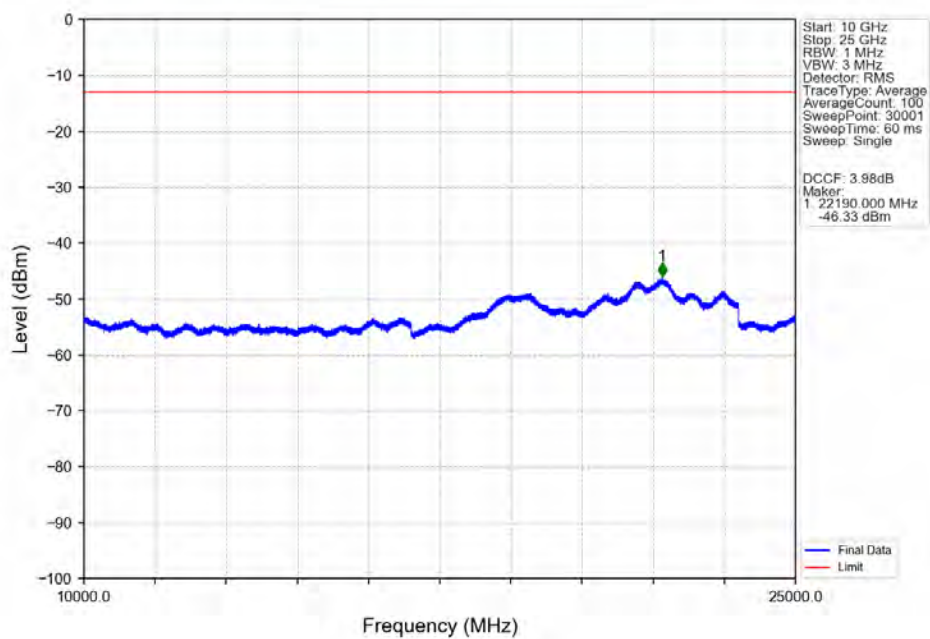
Band42a 5MHz 64QAM MCH 3500MHz RB 1 0 NTNV



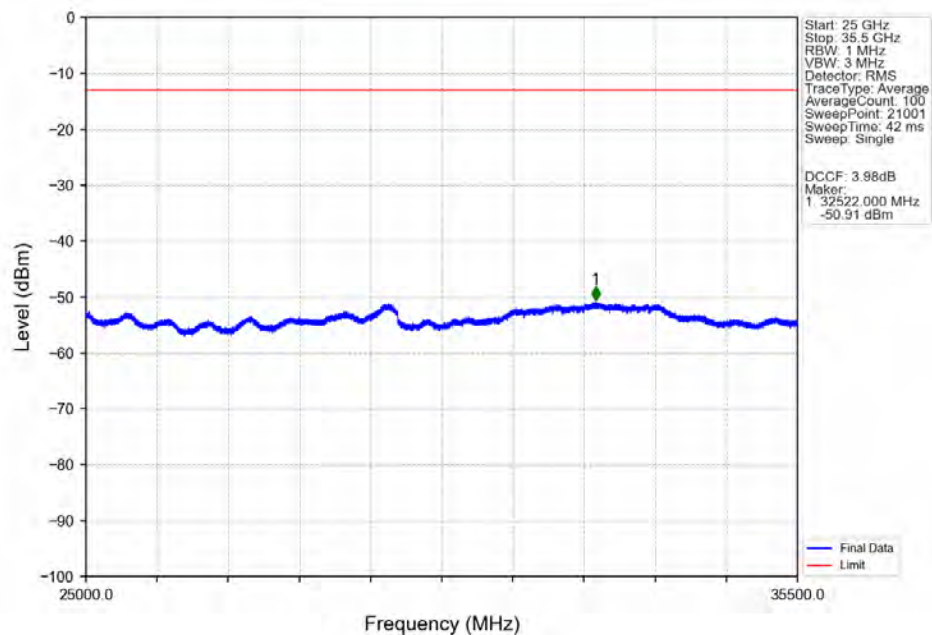
Band42a 5MHz 64QAM HCH 3547.5MHz RB 1 0 NTNV



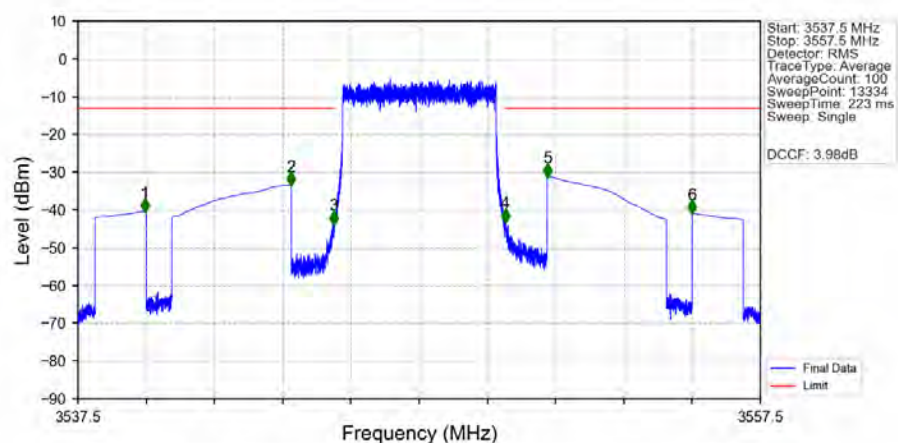
Band42a 5MHz 64QAM HCH 3547.5MHz RB 1 0 NTNV



Band42a 5MHz 64QAM HCH 3547.5MHz RB 1 0 NTNV



Band42a 5MHz 64QAM 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	3539.461	-40.34	-13	Pass
3540	3544	0.5	CHP	2	3543.743	-33.24	-13	Pass
3544	3545	0.003	/	3	3544.991	-43.62	-13	Pass
3545	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.022	-43.00	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-31.01	-13	Pass
3555	3557.5	1	CHP	6	3555.500	-40.77	-13	Pass