

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	22.88	-3.12	19.76	<=30	Pass
			13	22.86	-3.12	19.74	<=30	Pass
			24	22.87	-3.12	19.75	<=30	Pass
		12	0	21.90	-3.12	18.78	<=30	Pass
			6	21.89	-3.12	18.77	<=30	Pass
			13	21.88	-3.12	18.76	<=30	Pass
		25	0	21.92	-3.12	18.80	<=30	Pass
	3500	1	0	22.56	-3.12	19.44	<=30	Pass
			13	22.65	-3.12	19.53	<=30	Pass
			24	22.64	-3.12	19.52	<=30	Pass
		12	0	21.66	-3.12	18.54	<=30	Pass
			6	21.66	-3.12	18.54	<=30	Pass
			13	21.23	-3.12	18.11	<=30	Pass
		25	0	21.52	-3.12	18.40	<=30	Pass
	3547.5	1	0	22.54	-3.12	19.42	<=30	Pass
			13	22.55	-3.12	19.43	<=30	Pass
			24	22.59	-3.12	19.47	<=30	Pass
		12	0	21.60	-3.12	18.48	<=30	Pass
			6	21.60	-3.12	18.48	<=30	Pass
			13	21.56	-3.12	18.44	<=30	Pass
		25	0	21.62	-3.12	18.50	<=30	Pass
16QAM	3452.5	1	0	21.91	-3.12	18.79	<=30	Pass
			13	21.99	-3.12	18.87	<=30	Pass
			24	21.96	-3.12	18.84	<=30	Pass
		12	0	20.74	-3.12	17.62	<=30	Pass
			6	20.61	-3.12	17.49	<=30	Pass
			13	20.62	-3.12	17.50	<=30	Pass
		25	0	20.88	-3.12	17.76	<=30	Pass
	3500	1	0	21.70	-3.12	18.58	<=30	Pass
			13	21.57	-3.12	18.45	<=30	Pass
			24	21.70	-3.12	18.58	<=30	Pass
		12	0	20.42	-3.12	17.30	<=30	Pass
			6	20.61	-3.12	17.49	<=30	Pass
			13	20.42	-3.12	17.30	<=30	Pass
		25	0	20.68	-3.12	17.56	<=30	Pass
	3547.5	1	0	21.62	-3.12	18.50	<=30	Pass
			13	21.52	-3.12	18.40	<=30	Pass
			24	21.67	-3.12	18.55	<=30	Pass
		12	0	20.41	-3.12	17.29	<=30	Pass
			6	20.45	-3.12	17.33	<=30	Pass
			13	20.42	-3.12	17.30	<=30	Pass
		25	0	20.64	-3.12	17.52	<=30	Pass
64QAM	3452.5	1	0	20.54	-3.12	17.42	<=30	Pass
			13	20.52	-3.12	17.40	<=30	Pass
			24	20.56	-3.12	17.44	<=30	Pass
		12	0	19.88	-3.12	16.76	<=30	Pass
			6	19.89	-3.12	16.77	<=30	Pass
			13	19.89	-3.12	16.77	<=30	Pass
		25	0	19.82	-3.12	16.70	<=30	Pass

	3500	1	0	20.33	-3.12	17.21	<=30	Pass
			13	20.33	-3.12	17.21	<=30	Pass
			24	20.30	-3.12	17.18	<=30	Pass
		12	0	19.67	-3.12	16.55	<=30	Pass
			6	19.68	-3.12	16.56	<=30	Pass
			13	19.68	-3.12	16.56	<=30	Pass
		25	0	19.69	-3.12	16.57	<=30	Pass
	3547.5	1	0	20.24	-3.12	17.12	<=30	Pass
			13	20.22	-3.12	17.10	<=30	Pass
			24	20.29	-3.12	17.17	<=30	Pass
		12	0	19.56	-3.12	16.44	<=30	Pass
			6	19.63	-3.12	16.51	<=30	Pass
			13	19.64	-3.12	16.52	<=30	Pass
		25	0	19.60	-3.12	16.48	<=30	Pass
256QAM	3452.5	1	0	17.67	-3.12	14.55	<=30	Pass
			13	17.67	-3.12	14.55	<=30	Pass
			24	17.72	-3.12	14.60	<=30	Pass
		12	0	17.95	-3.12	14.83	<=30	Pass
			6	17.93	-3.12	14.81	<=30	Pass
			13	17.96	-3.12	14.84	<=30	Pass
		25	0	17.92	-3.12	14.80	<=30	Pass
	3500	1	0	17.48	-3.12	14.36	<=30	Pass
			13	17.48	-3.12	14.36	<=30	Pass
			24	17.45	-3.12	14.33	<=30	Pass
		12	0	17.71	-3.12	14.59	<=30	Pass
			6	17.72	-3.12	14.60	<=30	Pass
			13	17.73	-3.12	14.61	<=30	Pass
		25	0	17.70	-3.12	14.58	<=30	Pass
	3547.5	1	0	17.42	-3.12	14.30	<=30	Pass
			13	17.42	-3.12	14.30	<=30	Pass
			24	17.44	-3.12	14.32	<=30	Pass
		12	0	17.68	-3.12	14.56	<=30	Pass
			6	17.71	-3.12	14.59	<=30	Pass
			13	17.71	-3.12	14.59	<=30	Pass
		25	0	17.68	-3.12	14.56	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B42a_10MHz_EIRP

Band: 42a / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3455	1	0	22.82	-3.12	19.70	<=30	Pass
			25	22.91	-3.12	19.79	<=30	Pass
			49	22.85	-3.12	19.73	<=30	Pass
		25	0	21.89	-3.12	18.77	<=30	Pass
			13	21.89	-3.12	18.77	<=30	Pass
			25	21.92	-3.12	18.80	<=30	Pass
		50	0	21.89	-3.12	18.77	<=30	Pass
	3500	1	0	22.63	-3.12	19.51	<=30	Pass
			25	22.66	-3.12	19.54	<=30	Pass
			49	22.54	-3.12	19.42	<=30	Pass
		25	0	21.56	-3.12	18.44	<=30	Pass
			13	21.66	-3.12	18.54	<=30	Pass
			25	21.62	-3.12	18.50	<=30	Pass
		50	0	21.58	-3.12	18.46	<=30	Pass
	3545	1	0	22.48	-3.12	19.36	<=30	Pass

			25	22.55	-3.12	19.43	<=30	Pass		
			49	22.56	-3.12	19.44	<=30	Pass		
			0	21.39	-3.12	18.27	<=30	Pass		
		25	13	21.35	-3.12	18.23	<=30	Pass		
			25	21.62	-3.12	18.50	<=30	Pass		
			50	0	21.44	-3.12	18.32	<=30	Pass	
16QAM	3455	1	0	21.93	-3.12	18.81	<=30	Pass		
			25	21.97	-3.12	18.85	<=30	Pass		
			49	22.01	-3.12	18.89	<=30	Pass		
		25	0	20.88	-3.12	17.76	<=30	Pass		
			13	20.88	-3.12	17.76	<=30	Pass		
			25	20.88	-3.12	17.76	<=30	Pass		
		50	0	20.89	-3.12	17.77	<=30	Pass		
		3500	1	0	21.74	-3.12	18.62	<=30	Pass	
				25	21.69	-3.12	18.57	<=30	Pass	
	49			21.51	-3.12	18.39	<=30	Pass		
	25		0	20.49	-3.12	17.37	<=30	Pass		
			13	20.61	-3.12	17.49	<=30	Pass		
			25	20.58	-3.12	17.46	<=30	Pass		
	50		0	20.63	-3.12	17.51	<=30	Pass		
	3545		1	0	21.56	-3.12	18.44	<=30	Pass	
				25	21.66	-3.12	18.54	<=30	Pass	
		49		21.66	-3.12	18.54	<=30	Pass		
		25	0	20.54	-3.12	17.42	<=30	Pass		
			13	20.58	-3.12	17.46	<=30	Pass		
			25	20.62	-3.12	17.50	<=30	Pass		
		50	0	20.59	-3.12	17.47	<=30	Pass		
		64QAM	3455	1	0	20.57	-3.12	17.45	<=30	Pass
					25	20.56	-3.12	17.44	<=30	Pass
	49				20.49	-3.12	17.37	<=30	Pass	
25	0			19.90	-3.12	16.78	<=30	Pass		
	13			19.91	-3.12	16.79	<=30	Pass		
	25			19.91	-3.12	16.79	<=30	Pass		
50	0			19.86	-3.12	16.74	<=30	Pass		
3500	1			0	20.31	-3.12	17.19	<=30	Pass	
				25	20.34	-3.12	17.22	<=30	Pass	
			49	20.23	-3.12	17.11	<=30	Pass		
	25		0	19.66	-3.12	16.54	<=30	Pass		
			13	19.64	-3.12	16.52	<=30	Pass		
			25	19.65	-3.12	16.53	<=30	Pass		
	50		0	19.59	-3.12	16.47	<=30	Pass		
	3545		1	0	20.17	-3.12	17.05	<=30	Pass	
				25	20.23	-3.12	17.11	<=30	Pass	
49				20.24	-3.12	17.12	<=30	Pass		
25			0	19.58	-3.12	16.46	<=30	Pass		
			13	19.63	-3.12	16.51	<=30	Pass		
			25	19.64	-3.12	16.52	<=30	Pass		
50			0	19.58	-3.12	16.46	<=30	Pass		
256QAM			3455	1	0	17.69	-3.12	14.57	<=30	Pass
					25	17.76	-3.12	14.64	<=30	Pass
	49				17.69	-3.12	14.57	<=30	Pass	
	25	0		17.88	-3.12	14.76	<=30	Pass		
		13		17.90	-3.12	14.78	<=30	Pass		
		25		17.90	-3.12	14.78	<=30	Pass		
	50	0		17.92	-3.12	14.80	<=30	Pass		
	3500	1		0	17.50	-3.12	14.38	<=30	Pass	
				25	17.53	-3.12	14.41	<=30	Pass	
			49	17.42	-3.12	14.30	<=30	Pass		
	25	0	17.66	-3.12	14.54	<=30	Pass			

			13	17.66	-3.12	14.54	<=30	Pass
			25	17.66	-3.12	14.54	<=30	Pass
		50	0	17.67	-3.12	14.55	<=30	Pass
	3545	1	0	17.39	-3.12	14.27	<=30	Pass
			25	17.42	-3.12	14.30	<=30	Pass
			49	17.45	-3.12	14.33	<=30	Pass
		25	0	17.54	-3.12	14.42	<=30	Pass
			13	17.62	-3.12	14.50	<=30	Pass
			25	17.64	-3.12	14.52	<=30	Pass
		50	0	17.61	-3.12	14.49	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B42a_15MHz_EIRP

Band: 42a / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3457.5	1	0	22.75	-3.12	19.63	<=30	Pass
			38	22.70	-3.12	19.58	<=30	Pass
			74	22.78	-3.12	19.66	<=30	Pass
		36	0	21.88	-3.12	18.76	<=30	Pass
			18	21.89	-3.12	18.77	<=30	Pass
			39	21.84	-3.12	18.72	<=30	Pass
		75	0	21.89	-3.12	18.77	<=30	Pass
	3500	1	0	22.66	-3.12	19.54	<=30	Pass
			38	22.65	-3.12	19.53	<=30	Pass
			74	22.50	-3.12	19.38	<=30	Pass
		36	0	21.66	-3.12	18.54	<=30	Pass
			18	21.53	-3.12	18.41	<=30	Pass
			39	21.60	-3.12	18.48	<=30	Pass
		75	0	21.65	-3.12	18.53	<=30	Pass
	3542.5	1	0	22.41	-3.12	19.29	<=30	Pass
			38	22.53	-3.12	19.41	<=30	Pass
			74	22.57	-3.12	19.45	<=30	Pass
		36	0	21.50	-3.12	18.38	<=30	Pass
			18	21.54	-3.12	18.42	<=30	Pass
			39	21.58	-3.12	18.46	<=30	Pass
		75	0	21.56	-3.12	18.44	<=30	Pass
16QAM	3457.5	1	0	21.95	-3.12	18.83	<=30	Pass
			38	21.98	-3.12	18.86	<=30	Pass
			74	21.92	-3.12	18.80	<=30	Pass
		36	0	20.84	-3.12	17.72	<=30	Pass
			18	20.87	-3.12	17.75	<=30	Pass
			39	20.80	-3.12	17.68	<=30	Pass
		75	0	20.91	-3.12	17.79	<=30	Pass
	3500	1	0	21.73	-3.12	18.61	<=30	Pass
			38	21.73	-3.12	18.61	<=30	Pass
			74	21.60	-3.12	18.48	<=30	Pass
		36	0	20.35	-3.12	17.23	<=30	Pass
			18	20.49	-3.12	17.37	<=30	Pass
			39	20.53	-3.12	17.41	<=30	Pass
		75	0	20.61	-3.12	17.49	<=30	Pass
	3542.5	1	0	21.49	-3.12	18.37	<=30	Pass
			38	21.51	-3.12	18.39	<=30	Pass
			74	21.43	-3.12	18.31	<=30	Pass
		36	0	20.47	-3.12	17.35	<=30	Pass
			18	20.52	-3.12	17.40	<=30	Pass

			39	20.57	-3.12	17.45	<=30	Pass	
		75	0	20.48	-3.12	17.36	<=30	Pass	
64QAM	3457.5	1	0	20.52	-3.12	17.40	<=30	Pass	
			38	20.60	-3.12	17.48	<=30	Pass	
			74	20.48	-3.12	17.36	<=30	Pass	
			0	19.85	-3.12	16.73	<=30	Pass	
		36	18	19.87	-3.12	16.75	<=30	Pass	
			39	19.83	-3.12	16.71	<=30	Pass	
			75	0	19.86	-3.12	16.74	<=30	Pass
		3500	1	0	20.34	-3.12	17.22	<=30	Pass
				38	20.36	-3.12	17.24	<=30	Pass
				74	20.19	-3.12	17.07	<=30	Pass
	0			19.66	-3.12	16.54	<=30	Pass	
	36		18	19.56	-3.12	16.44	<=30	Pass	
			39	19.59	-3.12	16.47	<=30	Pass	
			75	0	19.66	-3.12	16.54	<=30	Pass
	3542.5		1	0	20.09	-3.12	16.97	<=30	Pass
		38		20.24	-3.12	17.12	<=30	Pass	
		74		20.27	-3.12	17.15	<=30	Pass	
		0		19.50	-3.12	16.38	<=30	Pass	
		36	18	19.53	-3.12	16.41	<=30	Pass	
			39	19.58	-3.12	16.46	<=30	Pass	
			75	0	19.35	-3.12	16.23	<=30	Pass
		256QAM	3457.5	1	0	17.71	-3.12	14.59	<=30
	38				17.75	-3.12	14.63	<=30	Pass
74	17.65				-3.12	14.53	<=30	Pass	
36	0			17.87	-3.12	14.75	<=30	Pass	
	18			17.93	-3.12	14.81	<=30	Pass	
	39			17.87	-3.12	14.75	<=30	Pass	
75	0			17.95	-3.12	14.83	<=30	Pass	
3500	1		0	17.55	-3.12	14.43	<=30	Pass	
			38	17.55	-3.12	14.43	<=30	Pass	
			74	17.41	-3.12	14.29	<=30	Pass	
	36		0	17.69	-3.12	14.57	<=30	Pass	
			18	17.64	-3.12	14.52	<=30	Pass	
			39	17.63	-3.12	14.51	<=30	Pass	
3542.5	1		0	17.70	-3.12	14.58	<=30	Pass	
			0	17.23	-3.12	14.11	<=30	Pass	
			38	17.43	-3.12	14.31	<=30	Pass	
	36		74	17.47	-3.12	14.35	<=30	Pass	
			0	17.54	-3.12	14.42	<=30	Pass	
			18	17.59	-3.12	14.47	<=30	Pass	
	39		17.59	-3.12	14.47	<=30	Pass		
	75		0	17.60	-3.12	14.48	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.4 B42a_20MHz_EIRP

Band: 42a / Bandwidth: 20MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3460	1	0	22.97	-3.12	19.85	<=30	Pass
			50	22.97	-3.12	19.85	<=30	Pass
			99	22.84	-3.12	19.72	<=30	Pass
		50	0	22.02	-3.12	18.90	<=30	Pass
			25	22.02	-3.12	18.90	<=30	Pass
			50	21.97	-3.12	18.85	<=30	Pass

			100	0	21.97	-3.12	18.85	<=30	Pass	
		3500	1	0	22.66	-3.12	19.54	<=30	Pass	
				50	22.67	-3.12	19.55	<=30	Pass	
				99	22.48	-3.12	19.36	<=30	Pass	
			50	0	21.69	-3.12	18.57	<=30	Pass	
				25	21.69	-3.12	18.57	<=30	Pass	
				50	21.63	-3.12	18.51	<=30	Pass	
		100	0	21.56	-3.12	18.44	<=30	Pass		
		3540	1	0	22.40	-3.12	19.28	<=30	Pass	
				50	22.63	-3.12	19.51	<=30	Pass	
	99			22.69	-3.12	19.57	<=30	Pass		
	50		0	21.59	-3.12	18.47	<=30	Pass		
			25	21.68	-3.12	18.56	<=30	Pass		
			50	21.72	-3.12	18.60	<=30	Pass		
	100	0	21.66	-3.12	18.54	<=30	Pass			
	16QAM	3460	1	0	21.82	-3.12	18.70	<=30	Pass	
				50	21.83	-3.12	18.71	<=30	Pass	
				99	21.68	-3.12	18.56	<=30	Pass	
50			0	21.01	-3.12	17.89	<=30	Pass		
			25	21.04	-3.12	17.92	<=30	Pass		
			50	20.98	-3.12	17.86	<=30	Pass		
100			0	21.00	-3.12	17.88	<=30	Pass		
3500			1	0	21.80	-3.12	18.68	<=30	Pass	
				50	21.78	-3.12	18.66	<=30	Pass	
		99		21.19	-3.12	18.07	<=30	Pass		
		50	0	20.70	-3.12	17.58	<=30	Pass		
			25	20.72	-3.12	17.60	<=30	Pass		
			50	20.27	-3.12	17.15	<=30	Pass		
100		0	20.56	-3.12	17.44	<=30	Pass			
3540		1	0	21.51	-3.12	18.39	<=30	Pass		
			50	21.71	-3.12	18.59	<=30	Pass		
			99	21.80	-3.12	18.68	<=30	Pass		
		50	0	20.61	-3.12	17.49	<=30	Pass		
			25	20.71	-3.12	17.59	<=30	Pass		
			50	20.69	-3.12	17.57	<=30	Pass		
		100	0	20.56	-3.12	17.44	<=30	Pass		
		64QAM	3460	1	0	20.63	-3.12	17.51	<=30	Pass
					50	20.70	-3.12	17.58	<=30	Pass
99					20.51	-3.12	17.39	<=30	Pass	
50	0			20.00	-3.12	16.88	<=30	Pass		
	25			20.01	-3.12	16.89	<=30	Pass		
	50			19.95	-3.12	16.83	<=30	Pass		
100	0			19.71	-3.12	16.59	<=30	Pass		
3500	1		0	20.37	-3.12	17.25	<=30	Pass		
			50	20.37	-3.12	17.25	<=30	Pass		
			99	20.13	-3.12	17.01	<=30	Pass		
	50		0	19.69	-3.12	16.57	<=30	Pass		
			25	19.70	-3.12	16.58	<=30	Pass		
			50	19.55	-3.12	16.43	<=30	Pass		
100	0		19.47	-3.12	16.35	<=30	Pass			
3540	1		0	20.12	-3.12	17.00	<=30	Pass		
		50	20.33	-3.12	17.21	<=30	Pass			
		99	20.38	-3.12	17.26	<=30	Pass			
	50	0	19.59	-3.12	16.47	<=30	Pass			
		25	19.41	-3.12	16.29	<=30	Pass			
		50	19.47	-3.12	16.35	<=30	Pass			
100	0	19.47	-3.12	16.35	<=30	Pass				
256QAM	3460	1	0	17.84	-3.12	14.72	<=30	Pass		
50	17.88		-3.12	14.76	<=30	Pass				

			99	17.71	-3.12	14.59	<=30	Pass
		50	0	18.06	-3.12	14.94	<=30	Pass
			25	18.08	-3.12	14.96	<=30	Pass
			50	18.02	-3.12	14.90	<=30	Pass
		100	0	18.00	-3.12	14.88	<=30	Pass
	3500	1	0	17.56	-3.12	14.44	<=30	Pass
			50	17.55	-3.12	14.43	<=30	Pass
			99	17.35	-3.12	14.23	<=30	Pass
		50	0	17.74	-3.12	14.62	<=30	Pass
			25	17.74	-3.12	14.62	<=30	Pass
			50	17.69	-3.12	14.57	<=30	Pass
		100	0	17.65	-3.12	14.53	<=30	Pass
	3540	1	0	17.20	-3.12	14.08	<=30	Pass
			50	17.53	-3.12	14.41	<=30	Pass
			99	17.59	-3.12	14.47	<=30	Pass
		50	0	17.65	-3.12	14.53	<=30	Pass
			25	17.67	-3.12	14.55	<=30	Pass
			50	17.80	-3.12	14.68	<=30	Pass
		100	0	17.66	-3.12	14.54	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B42a_10MHz

Band: 42a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3500	50	0	20	LV	-22.500	-0.0064	-2.5 to 2.5	Pass
					NV	-12.700	-0.0036	-2.5 to 2.5	Pass
					HV	-5.700	-0.0016	-2.5 to 2.5	Pass
				-30	NV	-10.800	-0.0031	-2.5 to 2.5	Pass
				-20	NV	-14.700	-0.0042	-2.5 to 2.5	Pass
				-10	NV	1.900	0.0005	-2.5 to 2.5	Pass
				0	NV	8.400	0.0024	-2.5 to 2.5	Pass
				10	NV	2.600	0.0007	-2.5 to 2.5	Pass
				30	NV	-7.600	-0.0022	-2.5 to 2.5	Pass
				40	NV	2.600	0.0007	-2.5 to 2.5	Pass
				50	NV	3.100	0.0009	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band42a_OBW

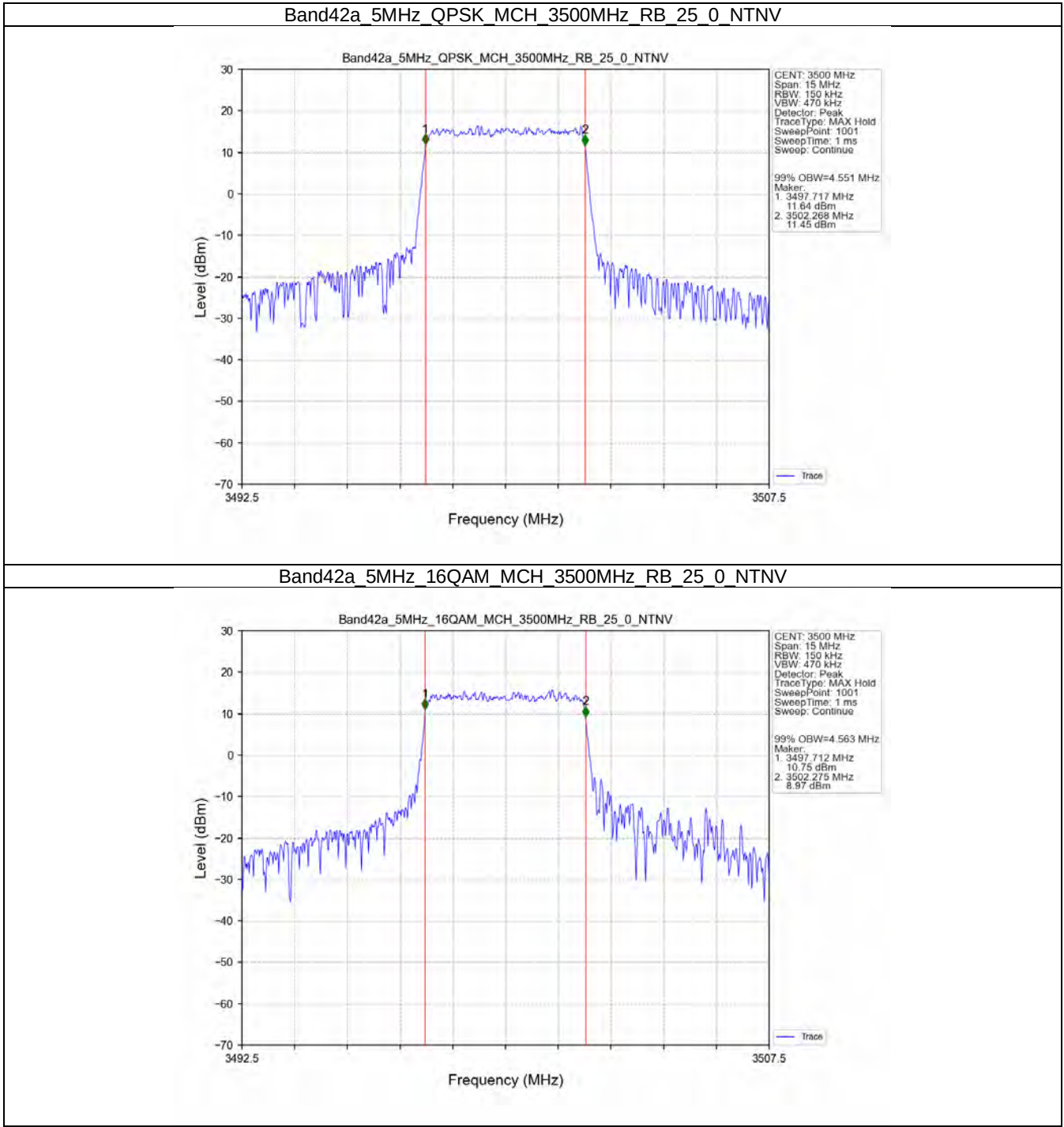
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	4.551	/	Pass
	16QAM	3500	25	0	4.563	/	Pass
	64QAM	3500	25	0	4.539	/	Pass
	256QAM	3500	25	0	4.524	/	Pass
10	QPSK	3500	50	0	9.075	/	Pass
	16QAM	3500	50	0	9.033	/	Pass
	64QAM	3500	50	0	9.075	/	Pass
	256QAM	3500	50	0	9.031	/	Pass
15	QPSK	3500	75	0	13.603	/	Pass
	16QAM	3500	75	0	13.565	/	Pass
	64QAM	3500	75	0	13.571	/	Pass
	256QAM	3500	75	0	13.614	/	Pass
20	QPSK	3500	100	0	18.114	/	Pass
	16QAM	3500	100	0	18.149	/	Pass
	64QAM	3500	100	0	18.116	/	Pass
	256QAM	3500	100	0	18.053	/	Pass

3.1.2 Band42a_XDB

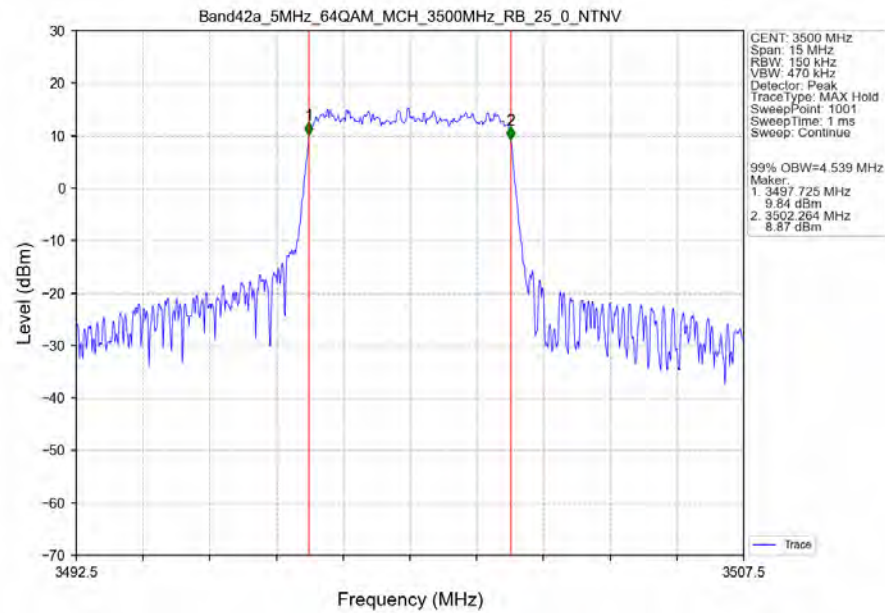
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	5.068	/	Pass
	16QAM	3500	25	0	5.755	/	Pass
	64QAM	3500	25	0	5.063	/	Pass
	256QAM	3500	25	0	5.424	/	Pass
10	QPSK	3500	50	0	10.146	/	Pass
	16QAM	3500	50	0	10.523	/	Pass
	64QAM	3500	50	0	11.053	/	Pass
	256QAM	3500	50	0	9.985	/	Pass
15	QPSK	3500	75	0	16.630	/	Pass
	16QAM	3500	75	0	14.747	/	Pass
	64QAM	3500	75	0	15.938	/	Pass
	256QAM	3500	75	0	15.835	/	Pass
20	QPSK	3500	100	0	20.945	/	Pass
	16QAM	3500	100	0	21.460	/	Pass
	64QAM	3500	100	0	20.894	/	Pass
	256QAM	3500	100	0	19.846	/	Pass

3.2 Test Graph

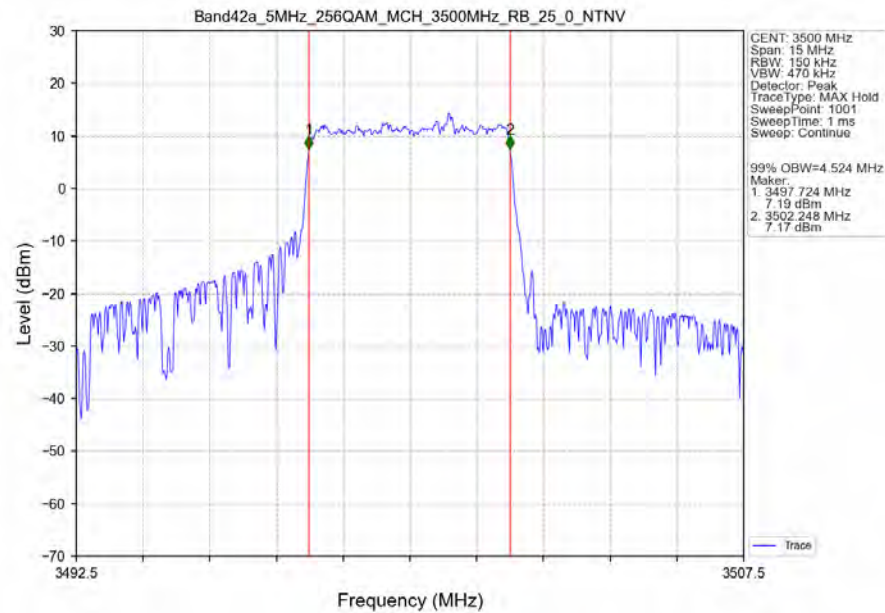
3.2.1 Band42a_OBW



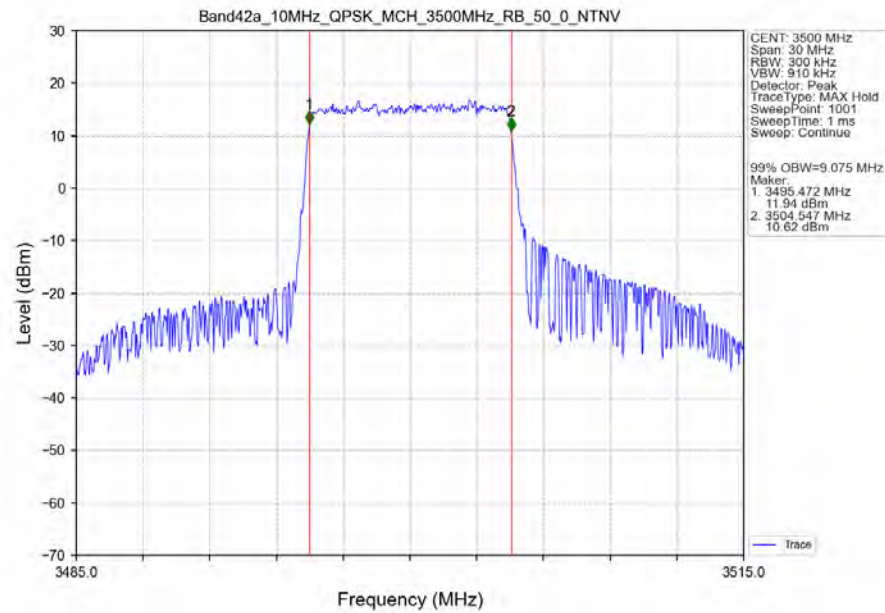
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTNV



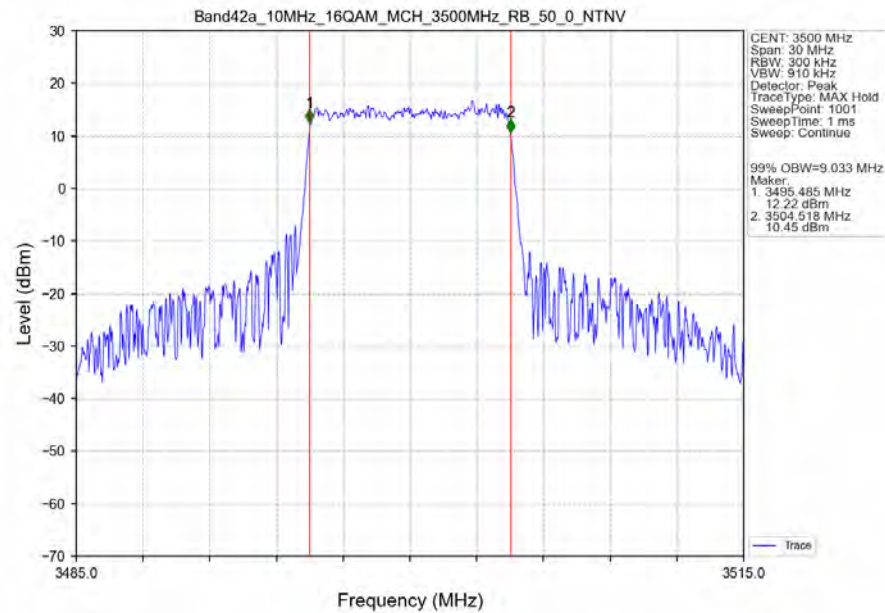
Band42a 5MHz 256QAM MCH 3500MHz RB 25 0 NTNV



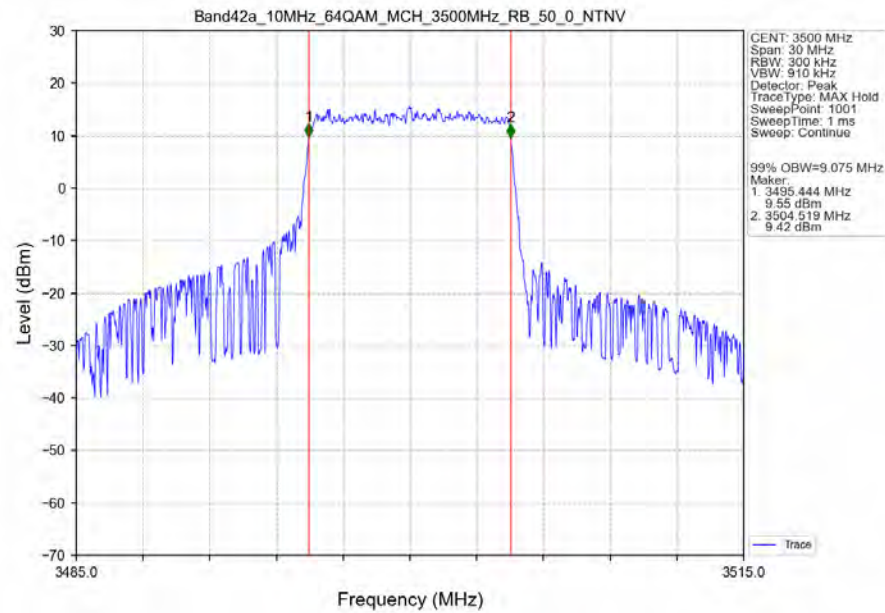
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTV



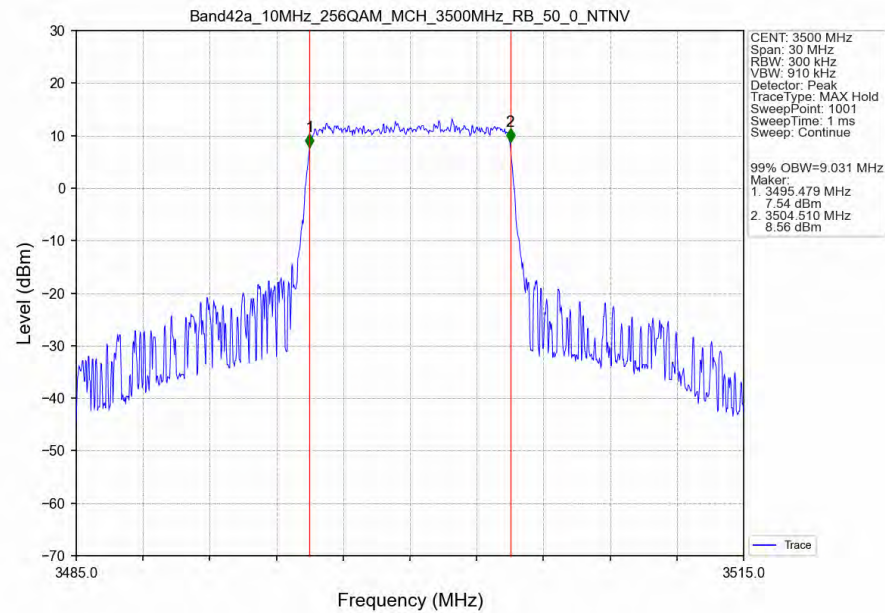
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTV



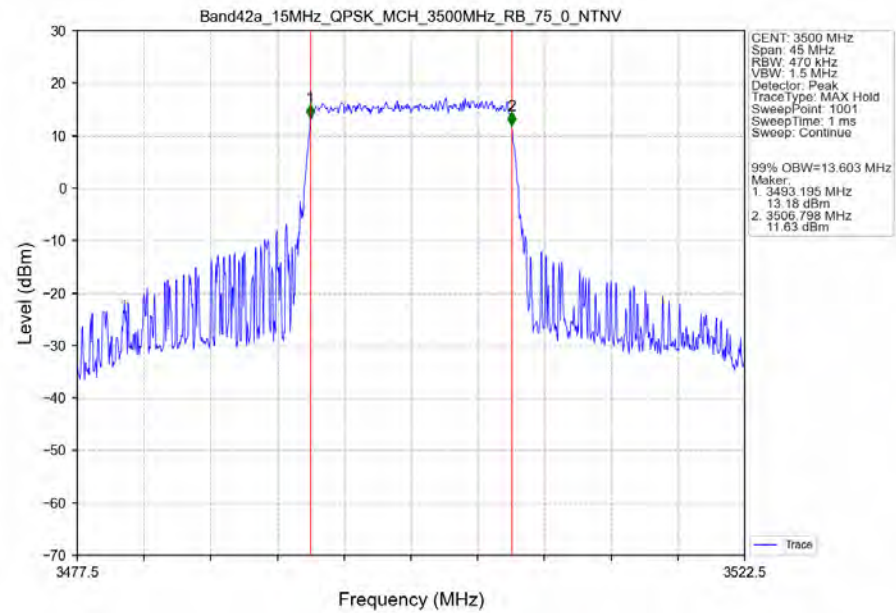
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTV



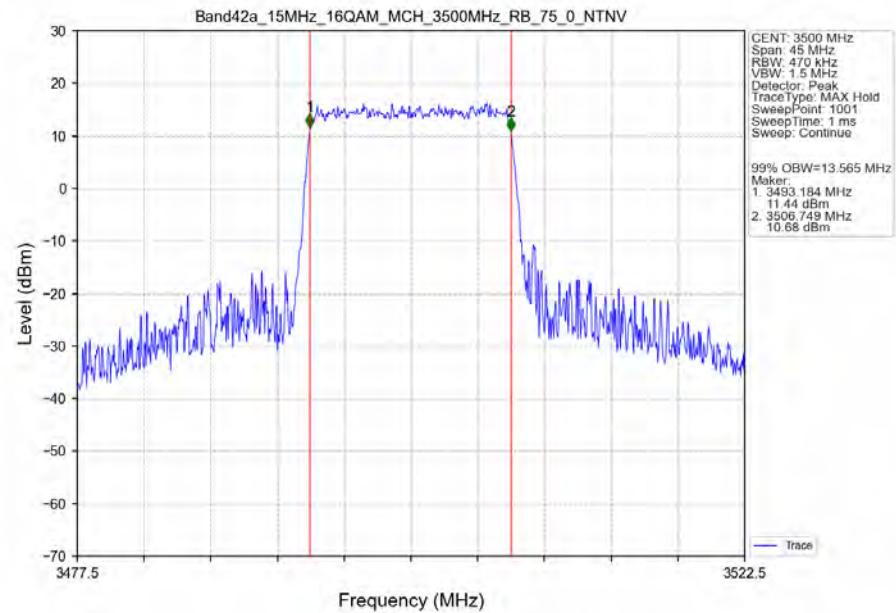
Band42a 10MHz 256QAM MCH 3500MHz RB 50 0 NTV



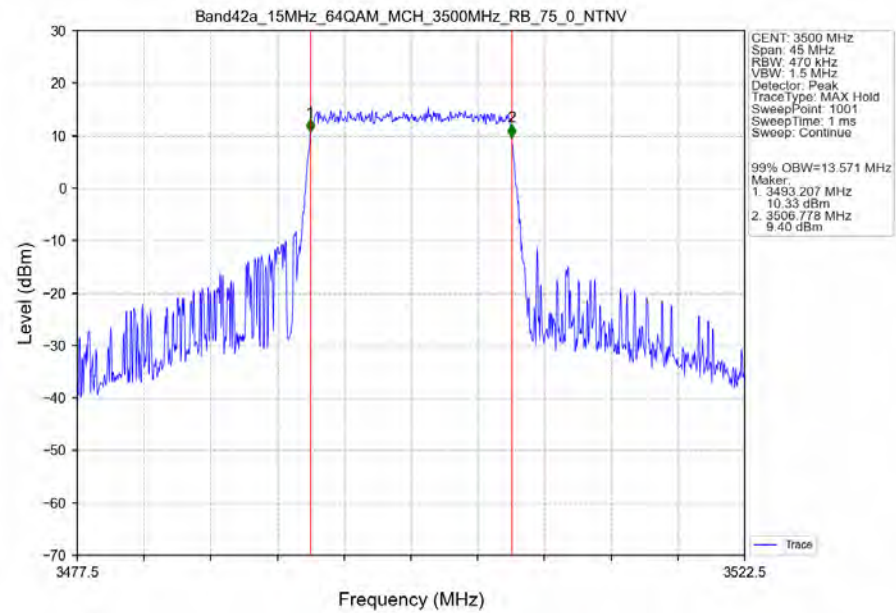
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTNV



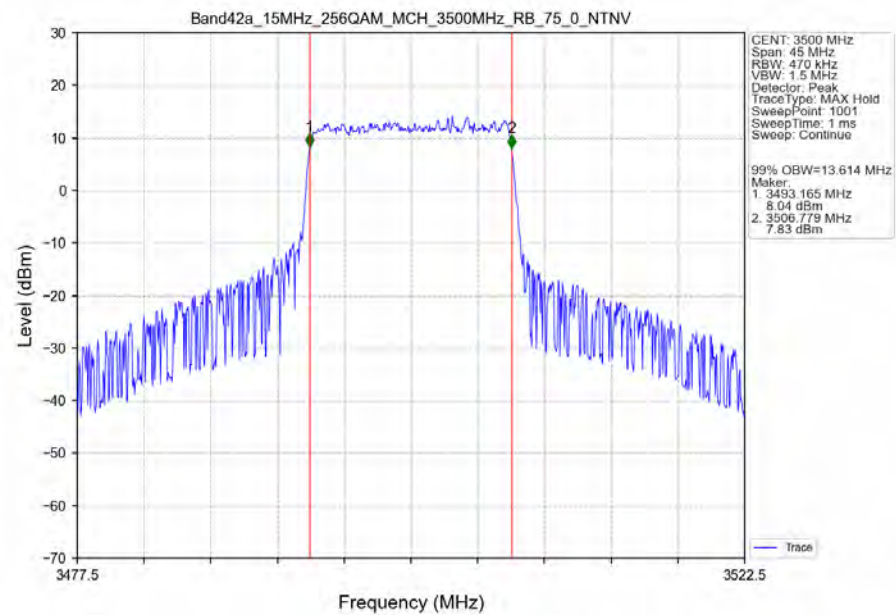
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTNV



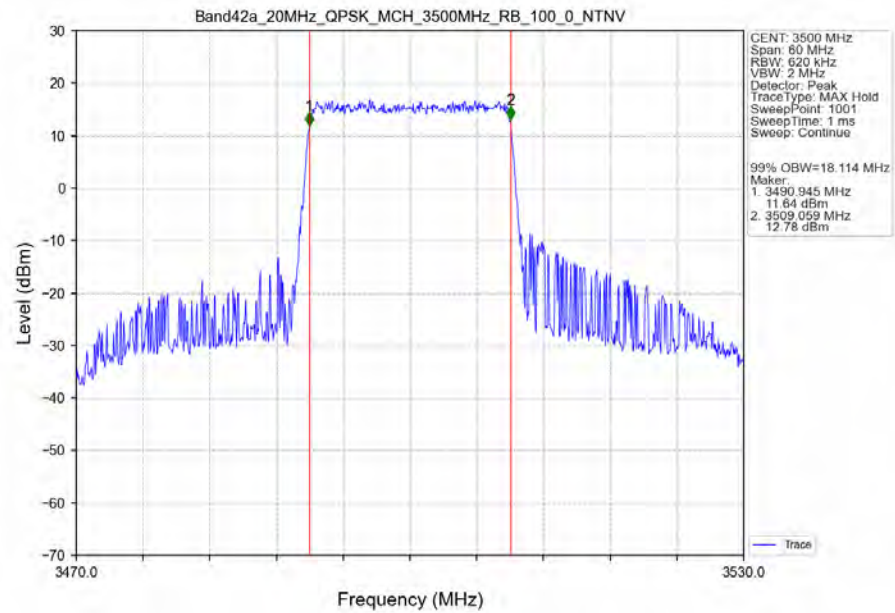
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTV



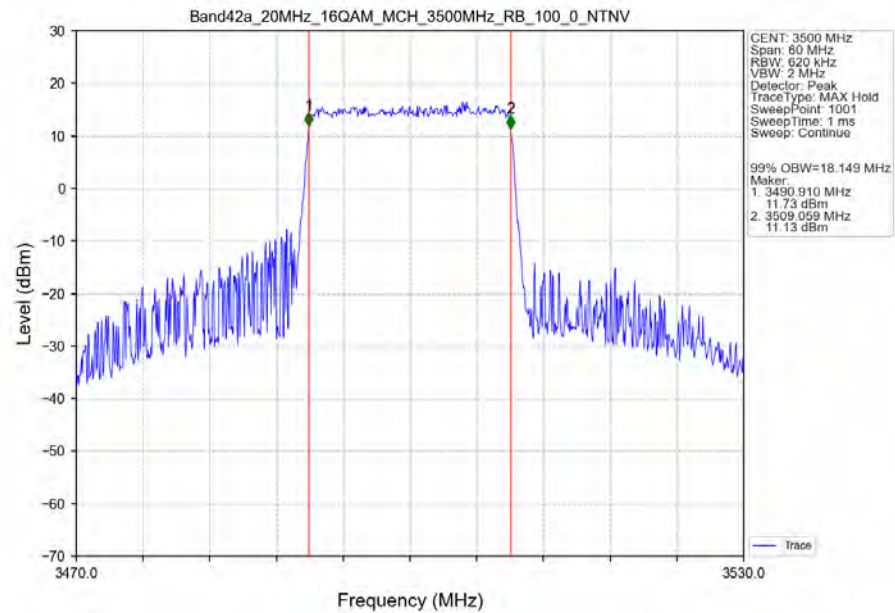
Band42a 15MHz 256QAM MCH 3500MHz RB 75 0 NTV



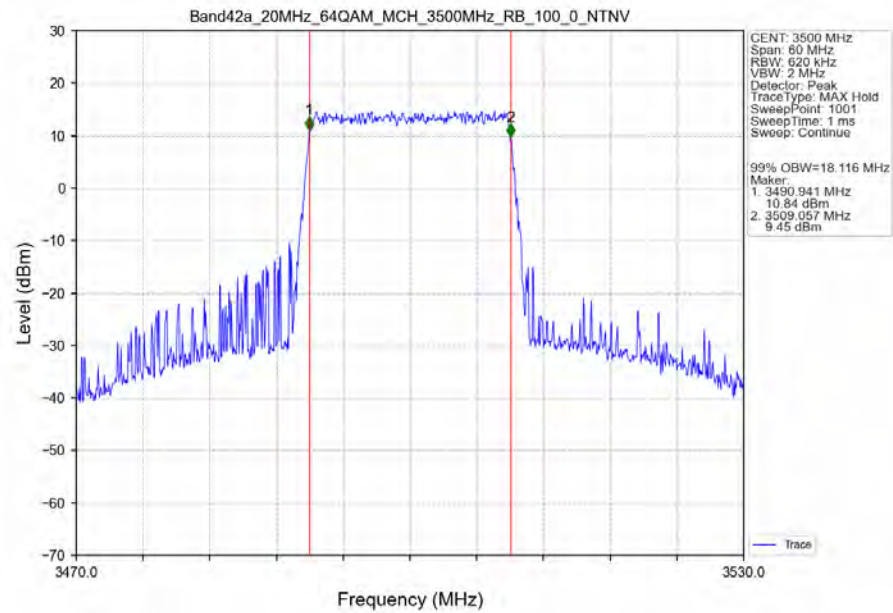
Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTV



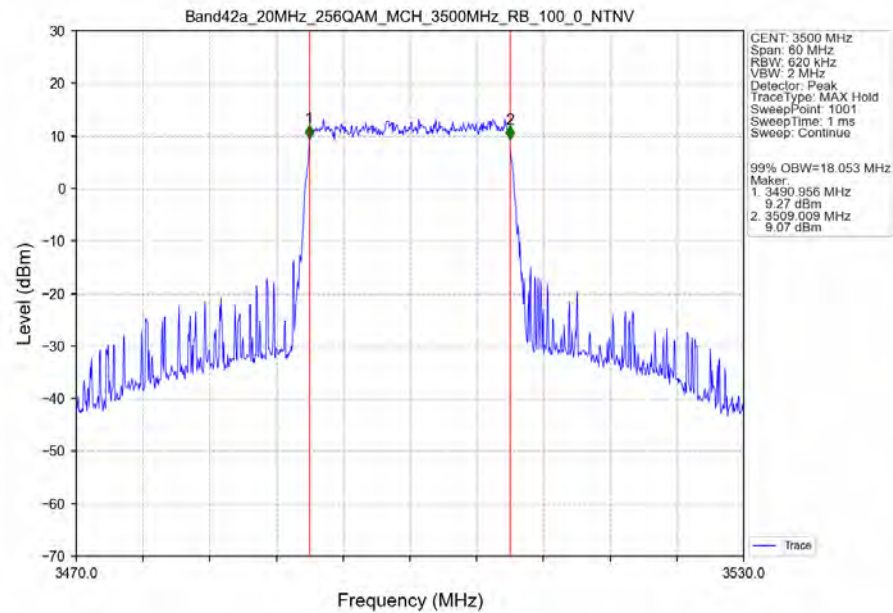
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTV



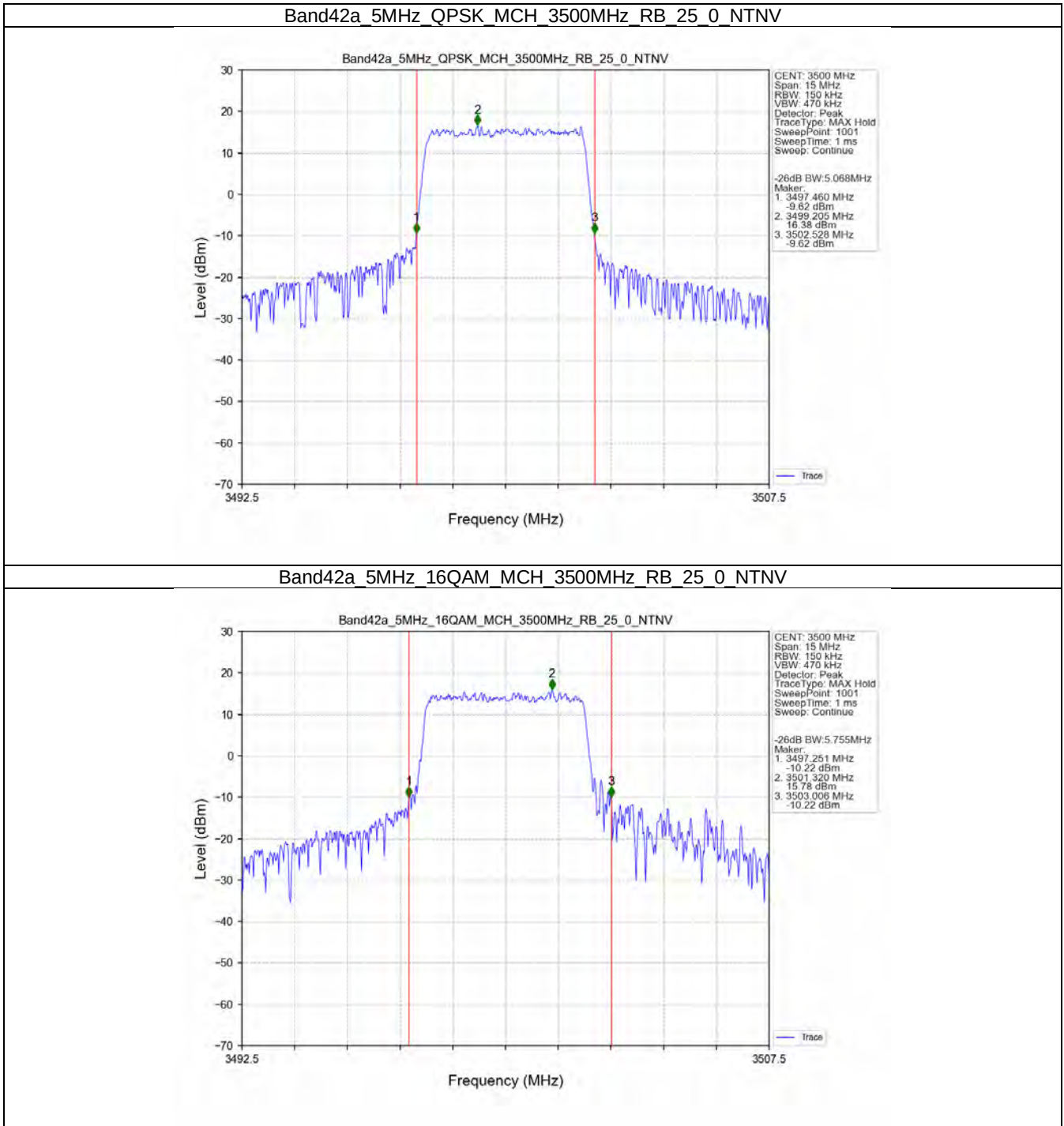
Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTV



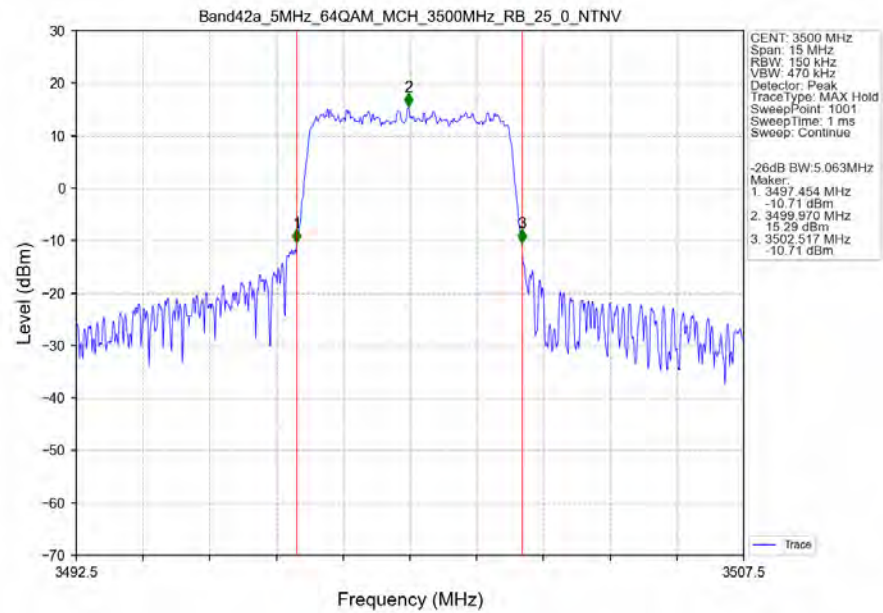
Band42a 20MHz 256QAM MCH 3500MHz RB 100 0 NTV



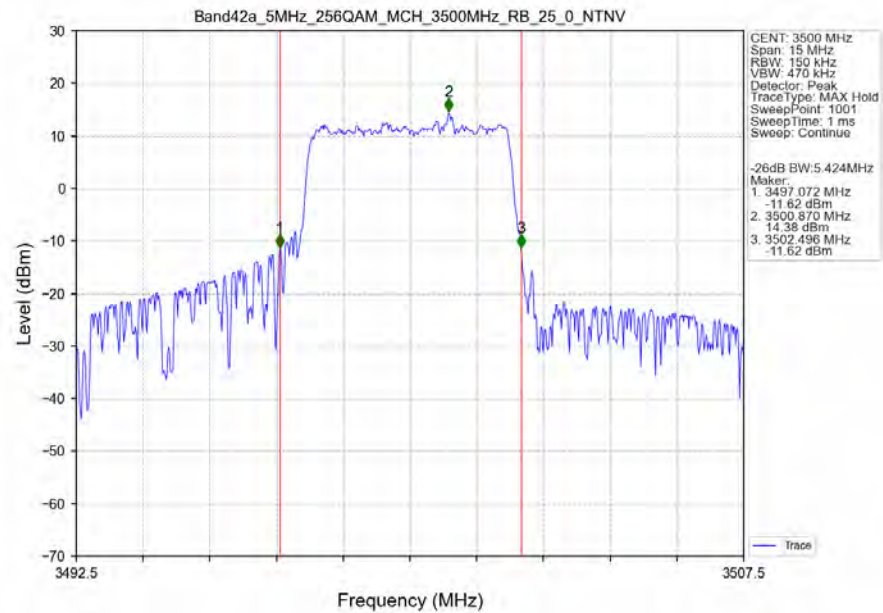
3.2.2 Band42a_XDB



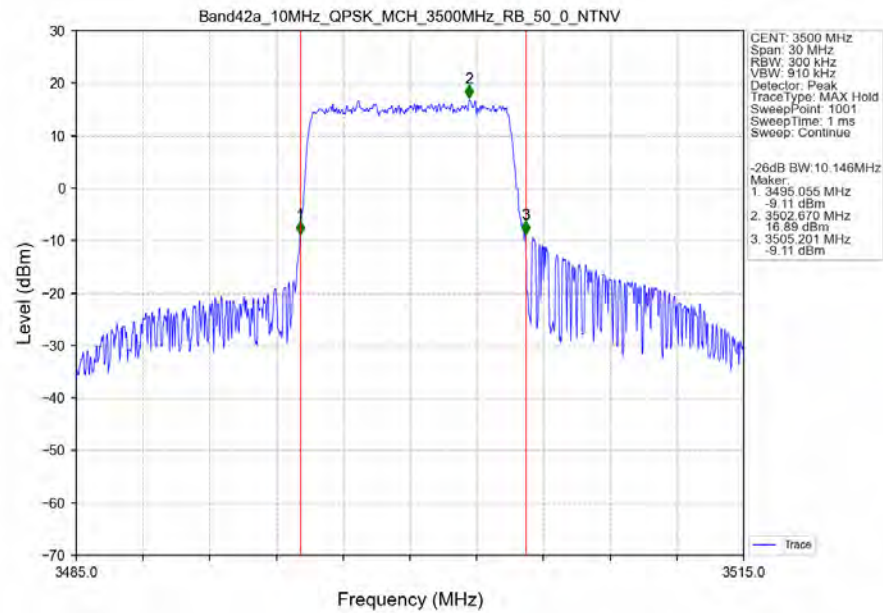
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTNV



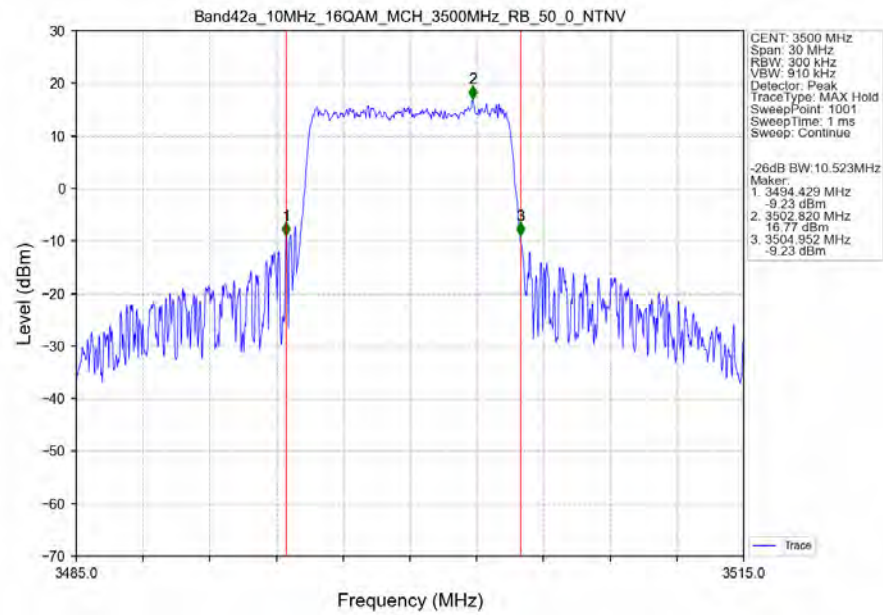
Band42a 5MHz 256QAM MCH 3500MHz RB 25 0 NTNV



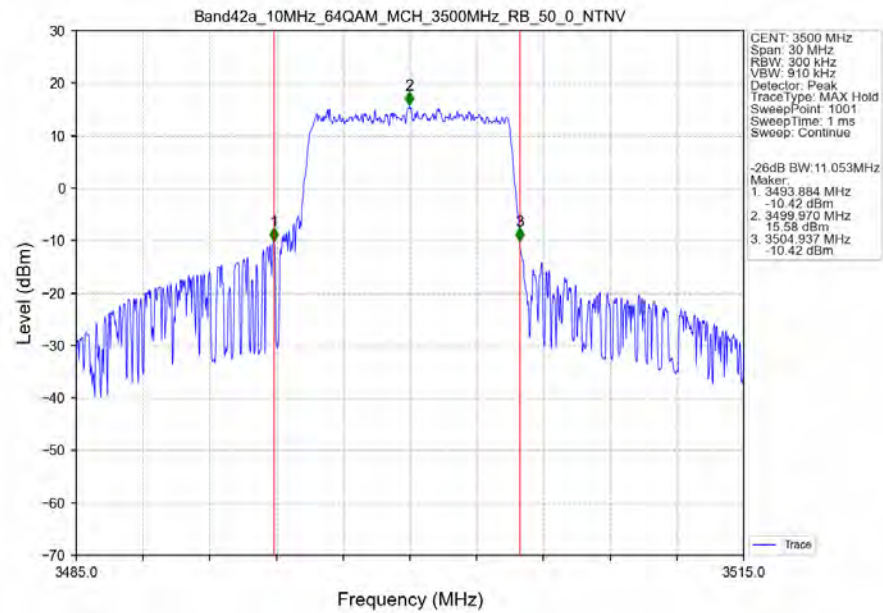
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTNV



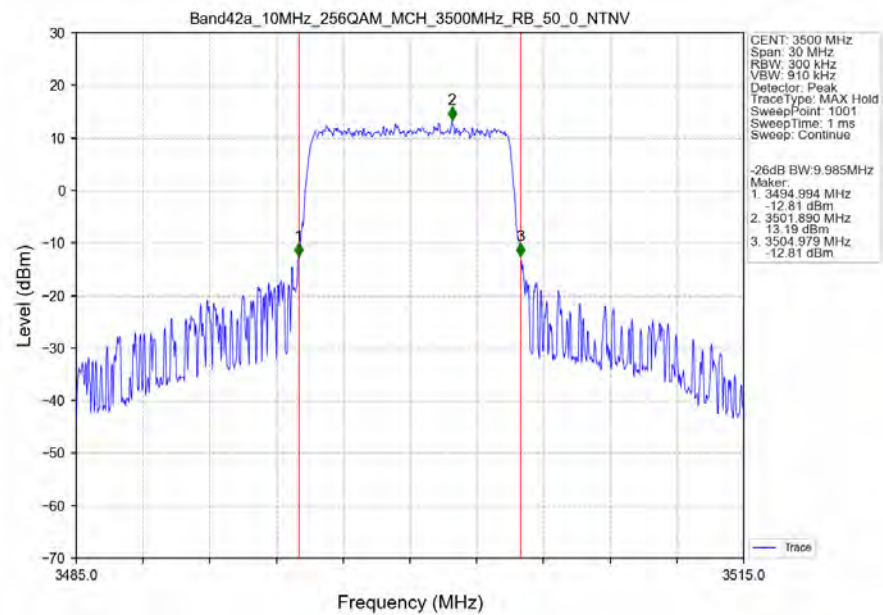
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTNV



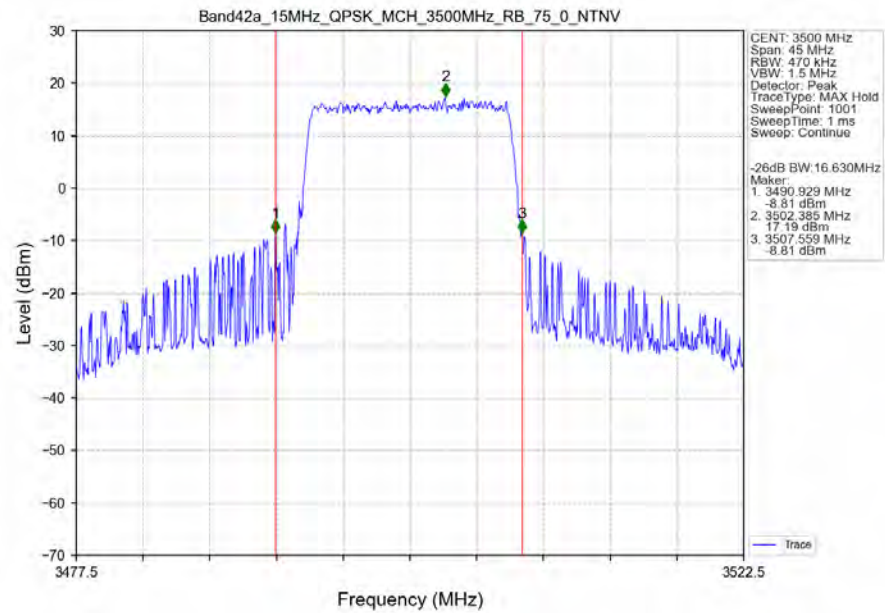
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTV



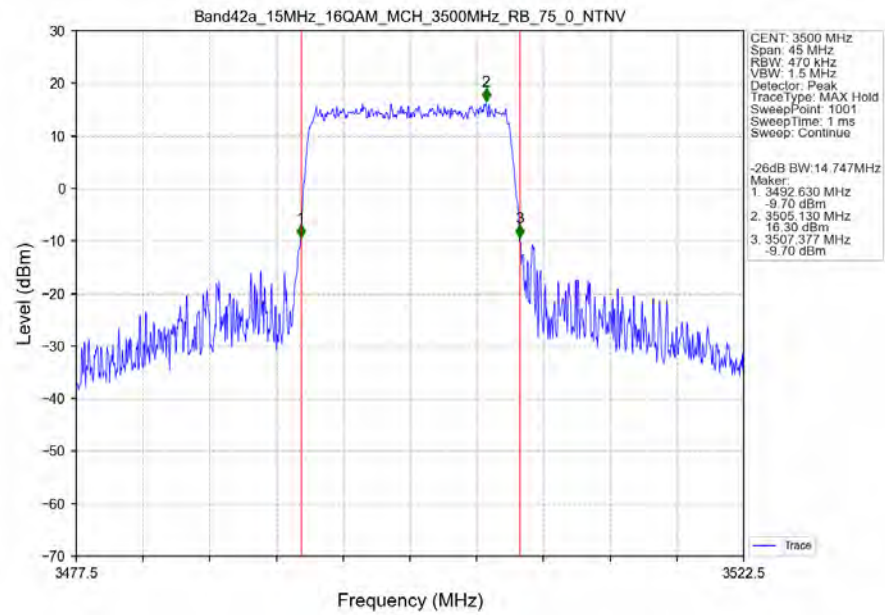
Band42a 10MHz 256QAM MCH 3500MHz RB 50 0 NTV



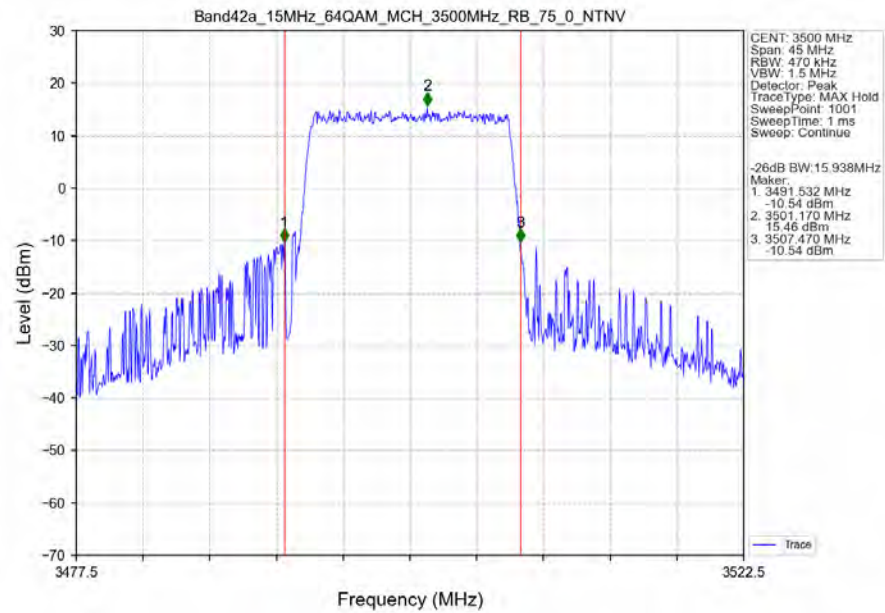
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTNV



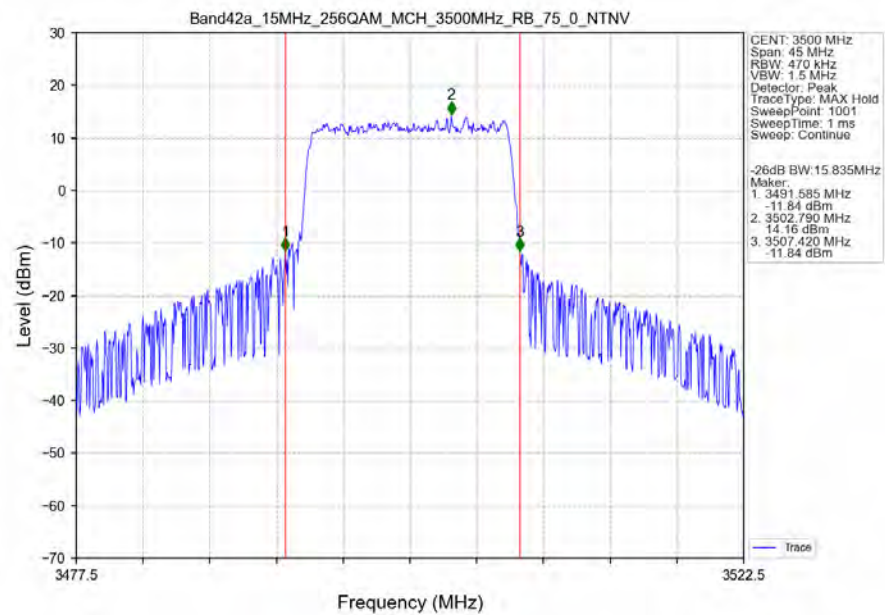
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTNV



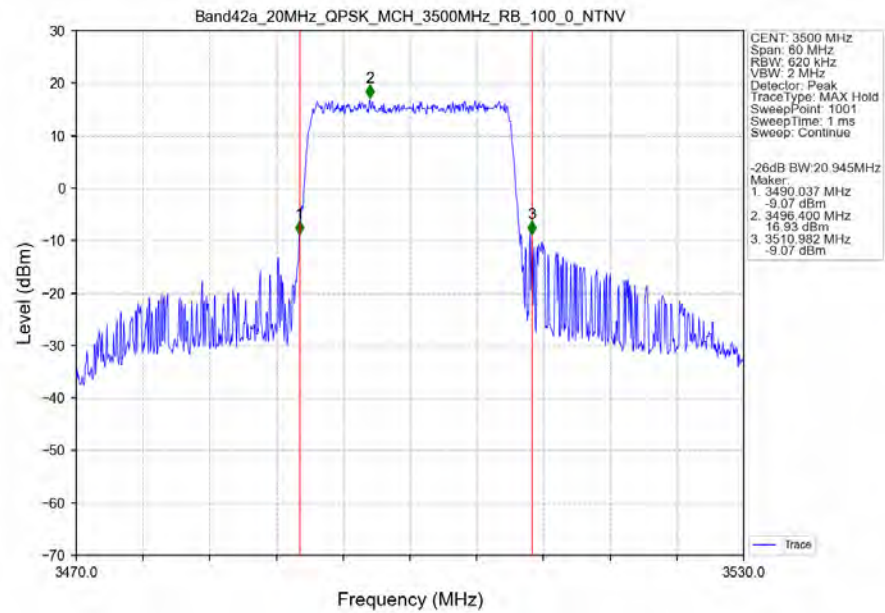
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTNV



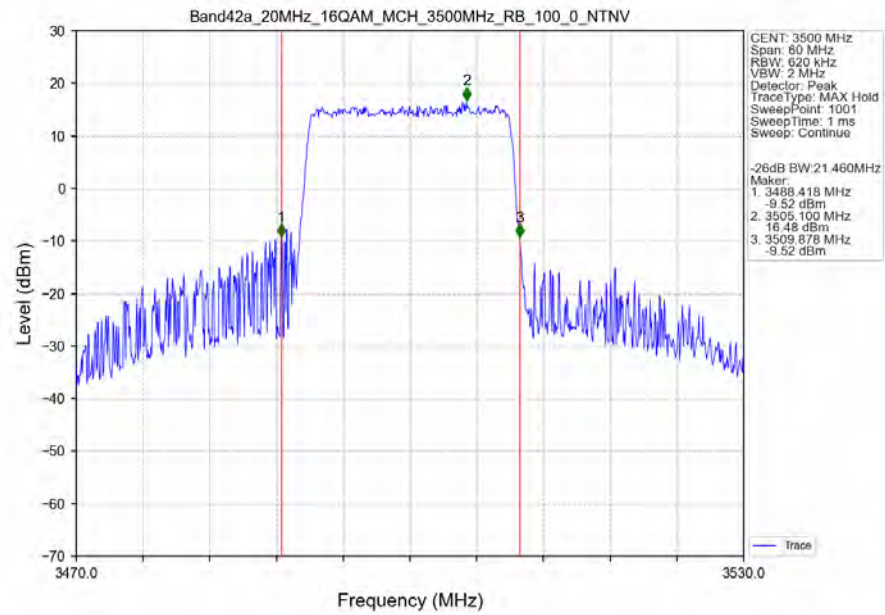
Band42a 15MHz 256QAM MCH 3500MHz RB 75 0 NTNV



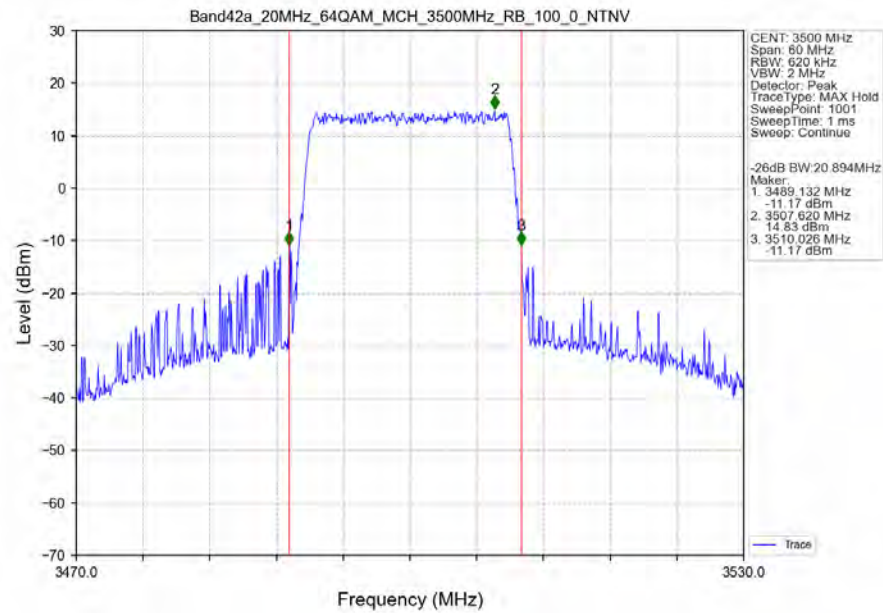
Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTV



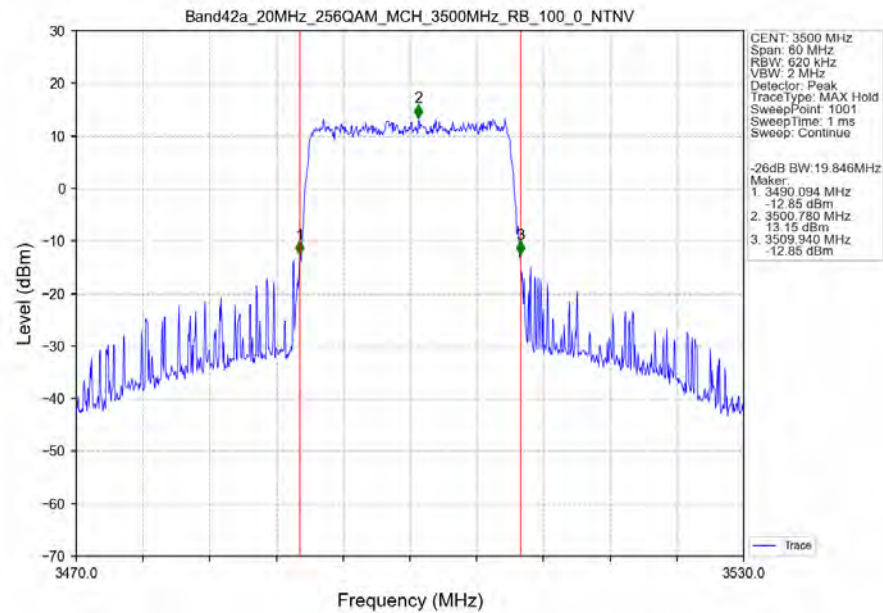
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTV



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



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



4. Peak-Average Ratio

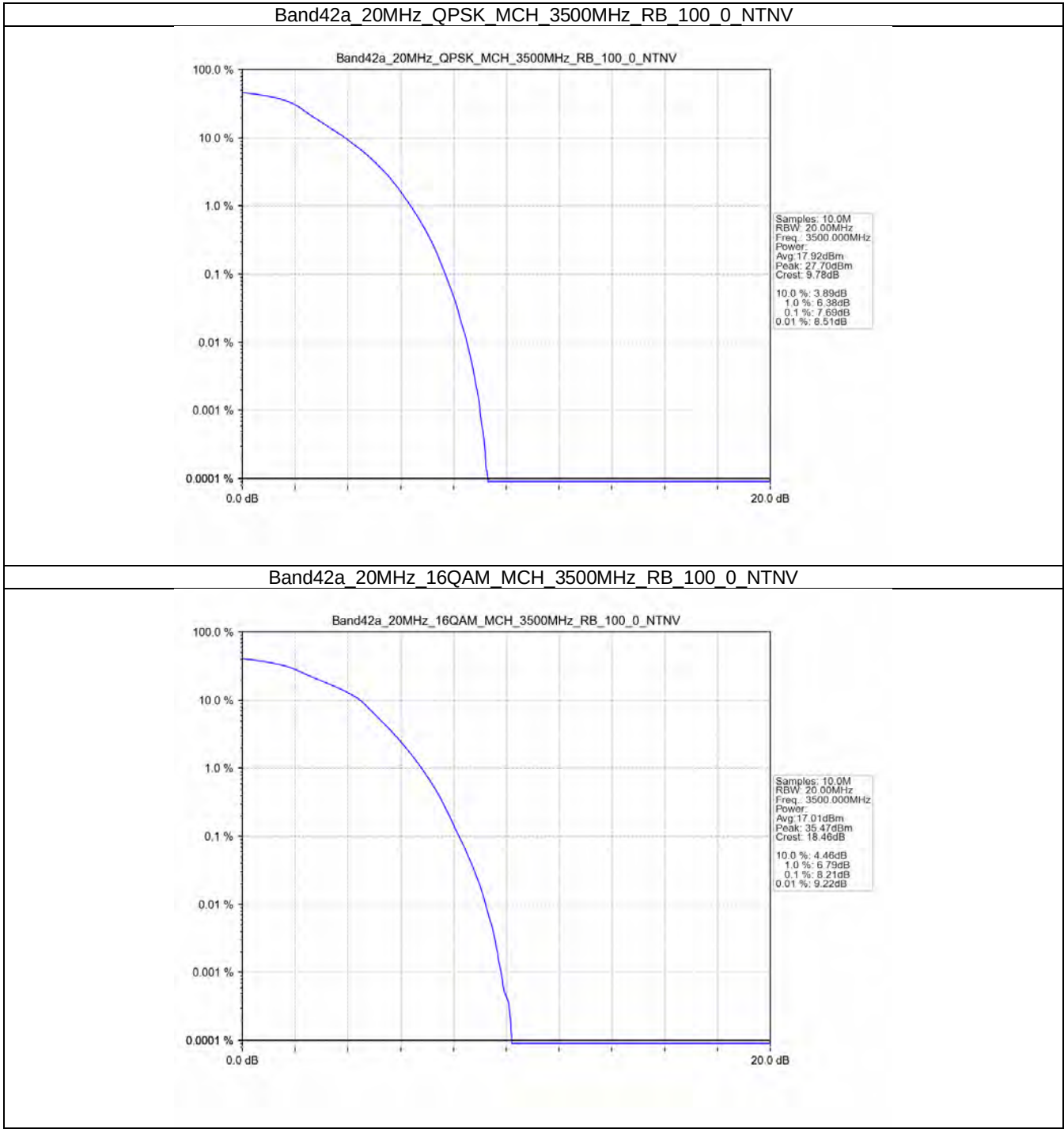
4.1 Test Result

4.1.1 B42a_20MHz

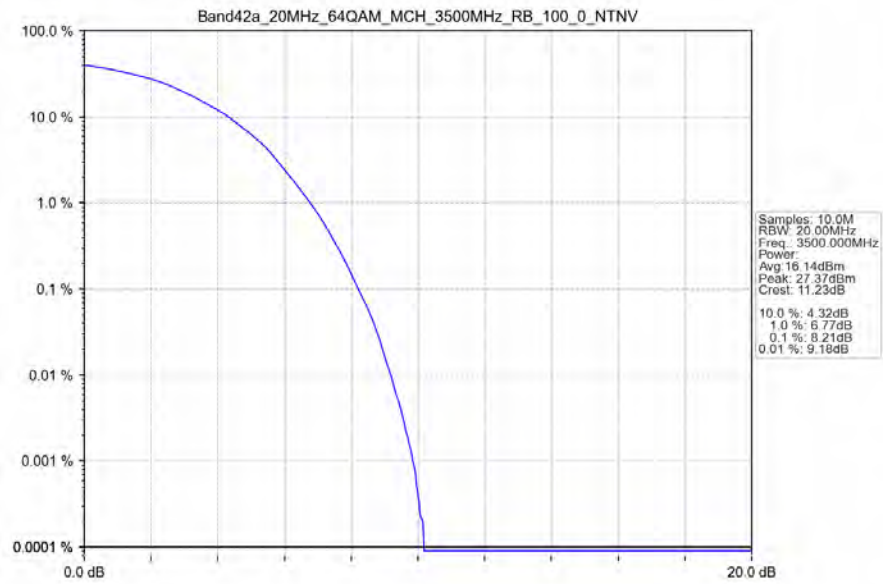
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3500	100	0	7.69	<=13	Pass
16QAM	3500	100	0	8.21	<=13	Pass
64QAM	3500	100	0	8.21	<=13	Pass
256QAM	3500	100	0	8.16	<=13	Pass

4.2 Test Graph

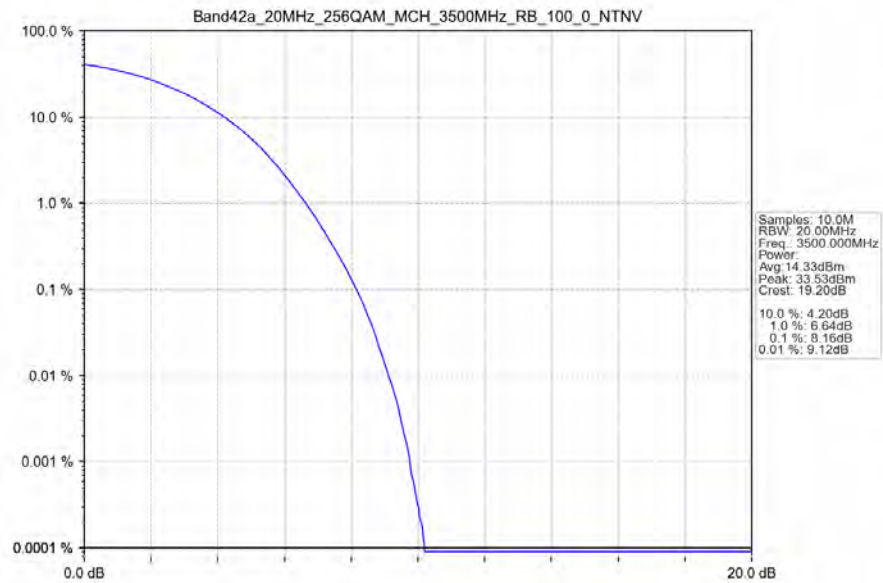
4.2.1 B42a_20MHz



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



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



5. Spurious Emission

5.1 Test Result

5.1.1 B42a_5MHz

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3547.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B42a_10MHz

Band: 42a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3545	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B42a_15MHz

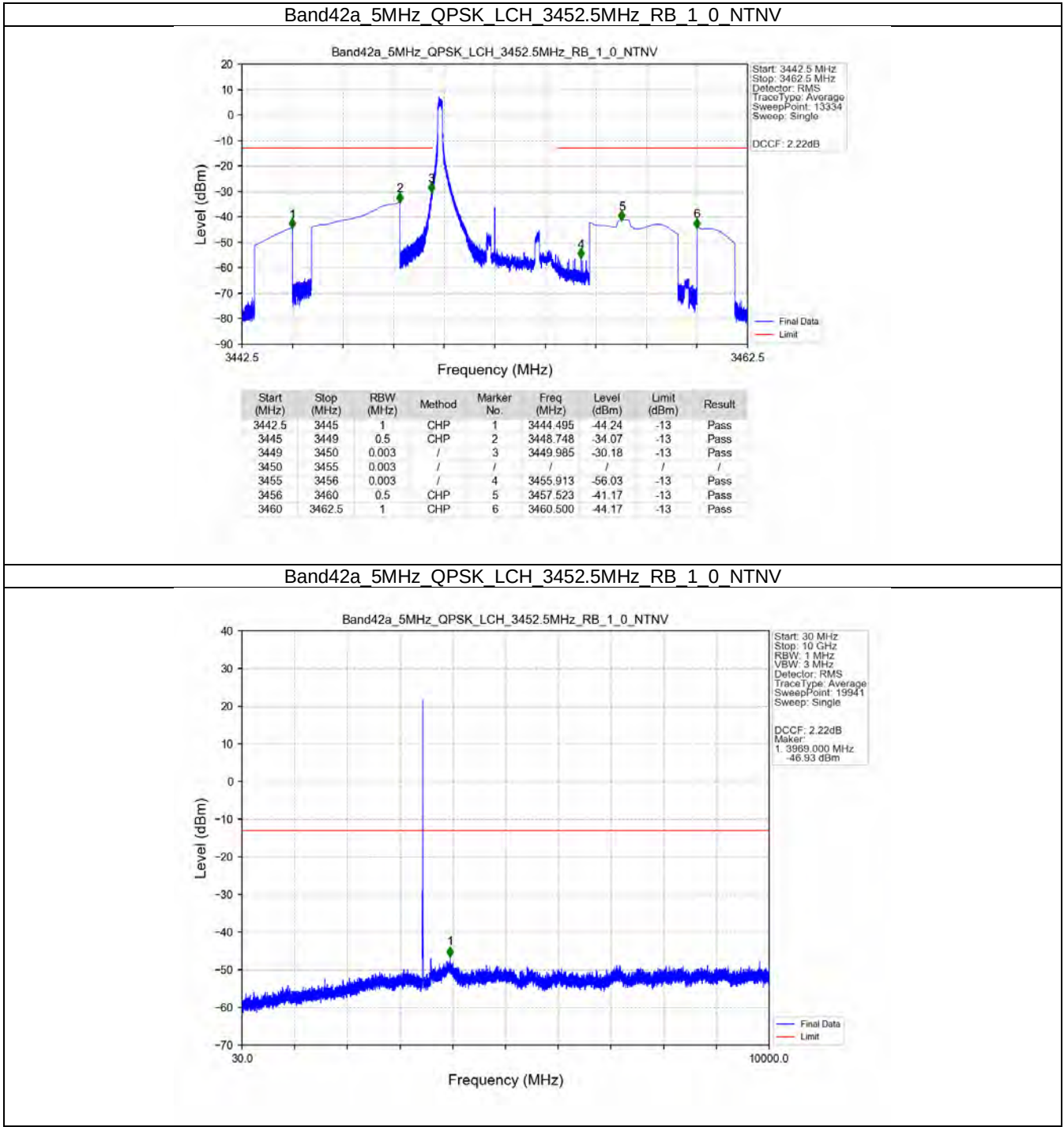
Band: 42a / Bandwidth: 15MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3542.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B42a_20MHz

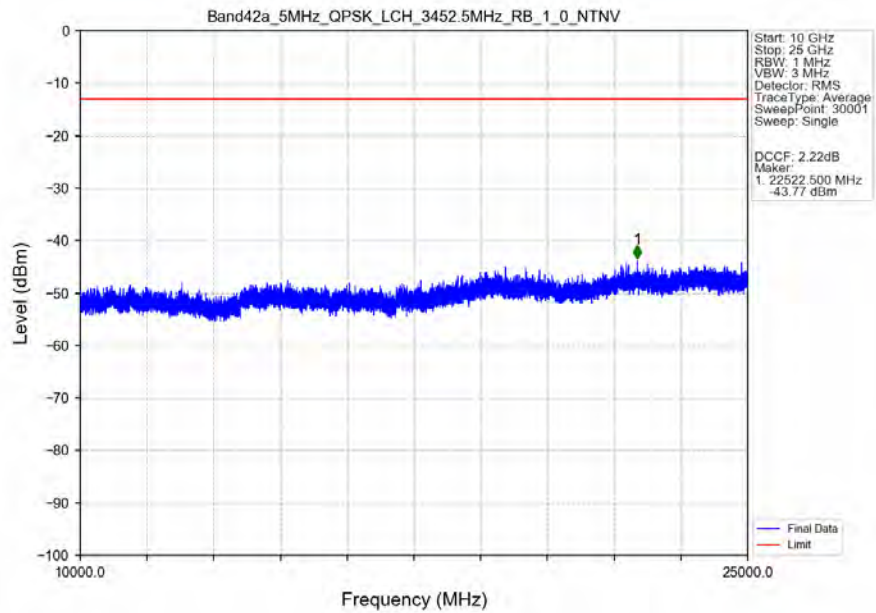
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

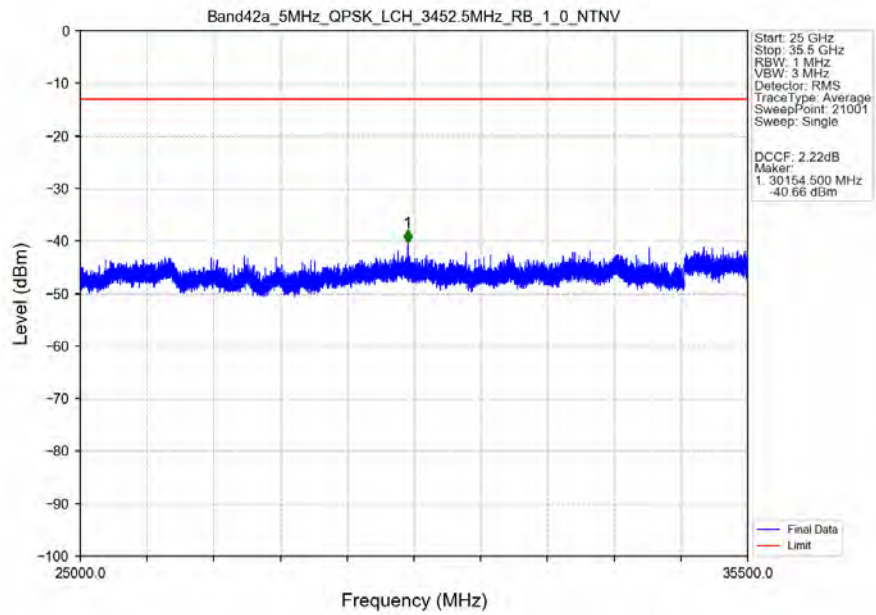
5.2.1 B42a_5MHz



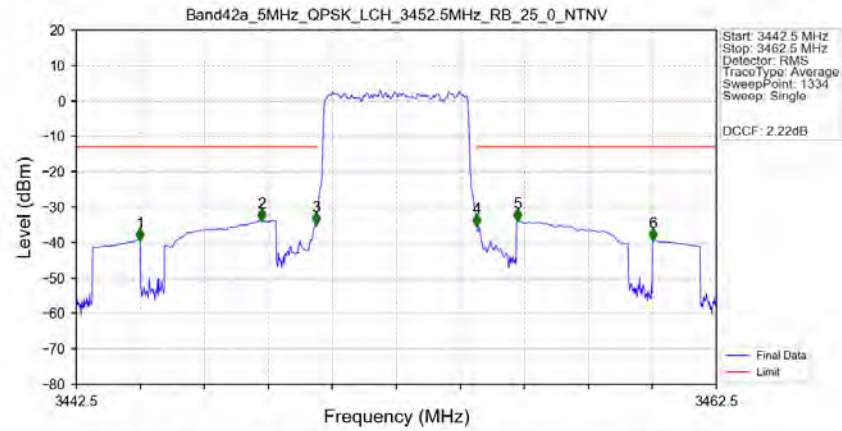
Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV



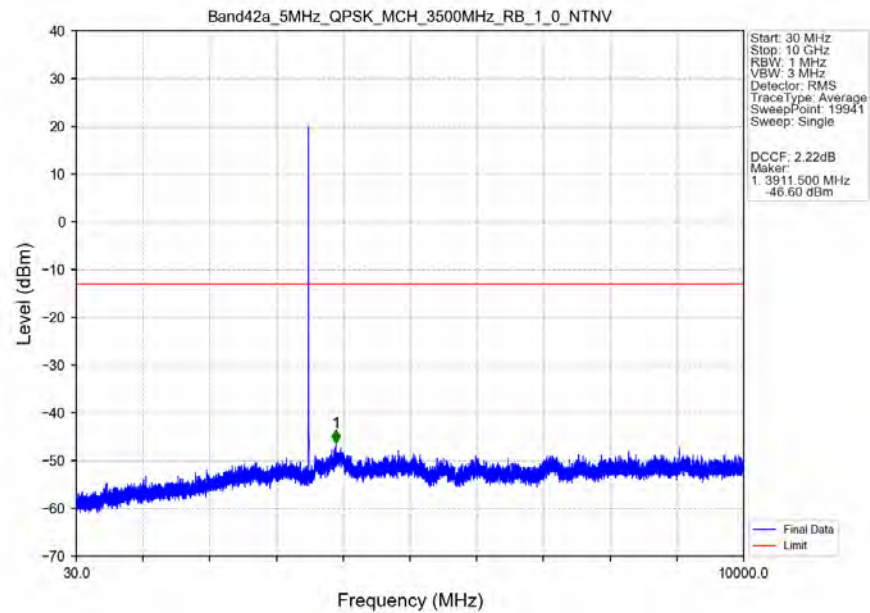
Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV



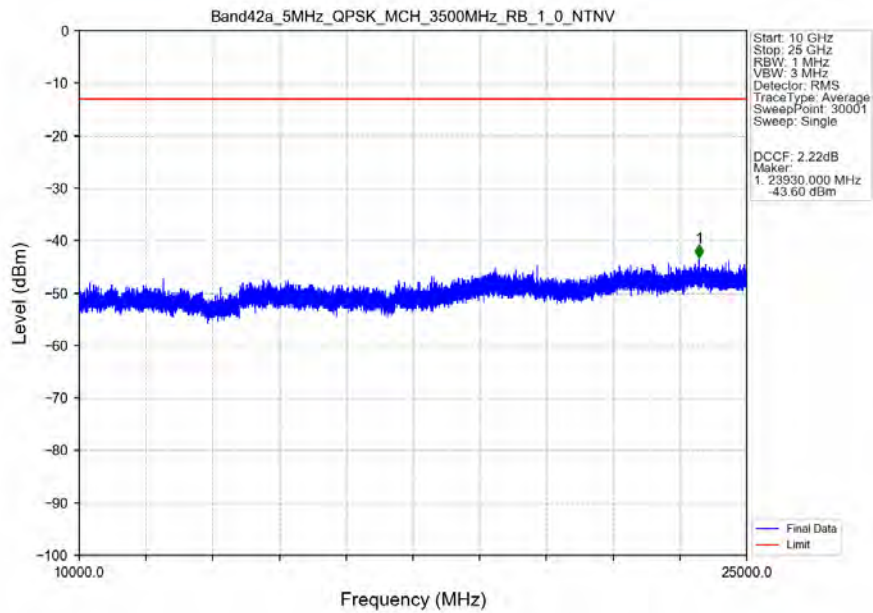
Band42a 5MHz QPSK LCH 3452.5MHz RB 25 0 NTNV



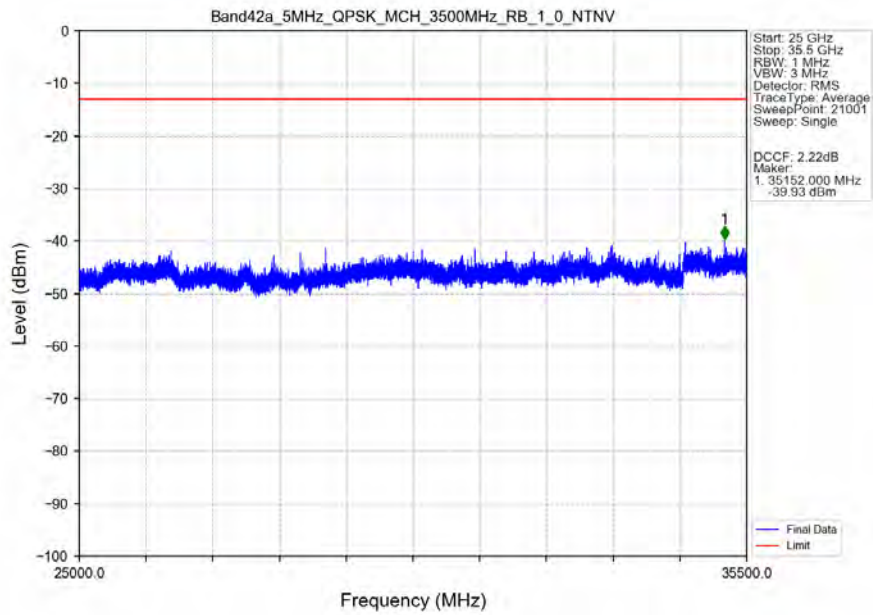
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



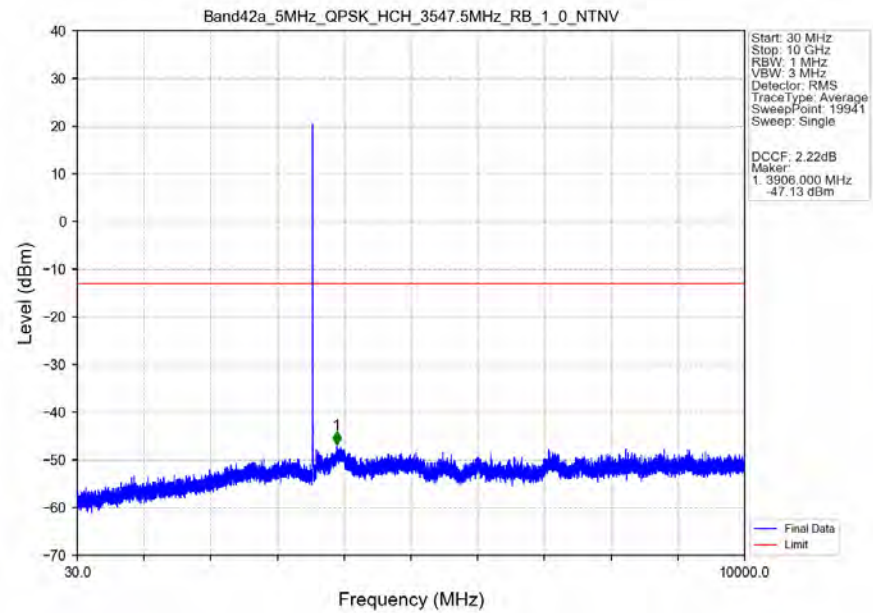
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



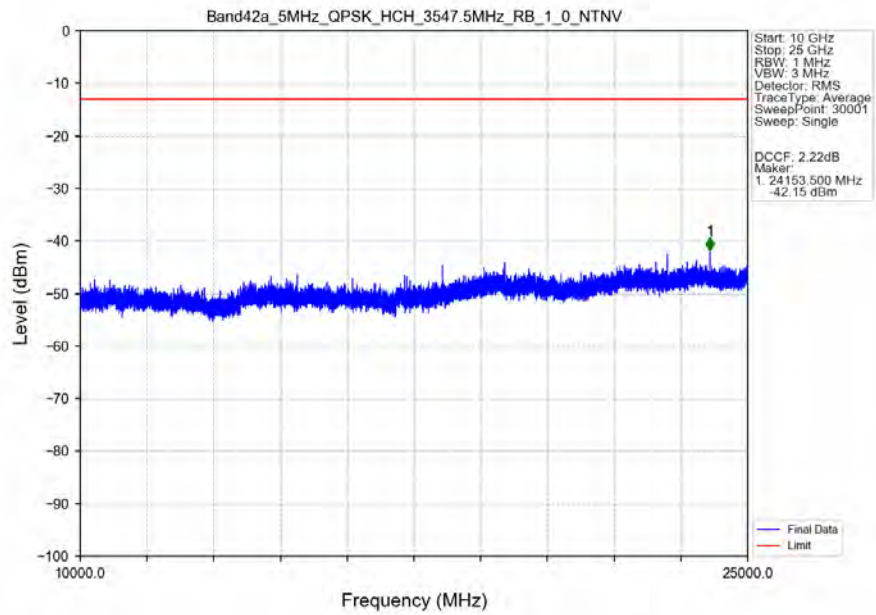
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



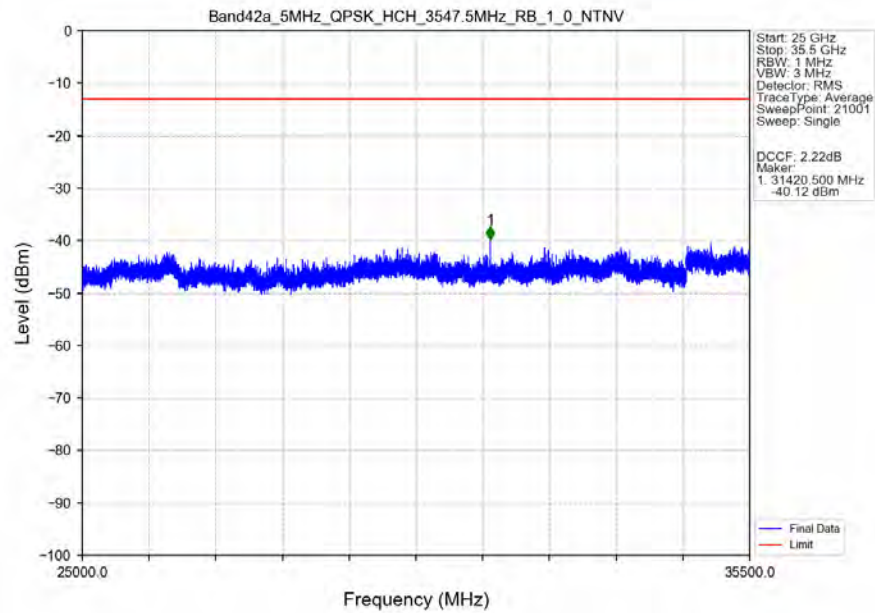
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTV



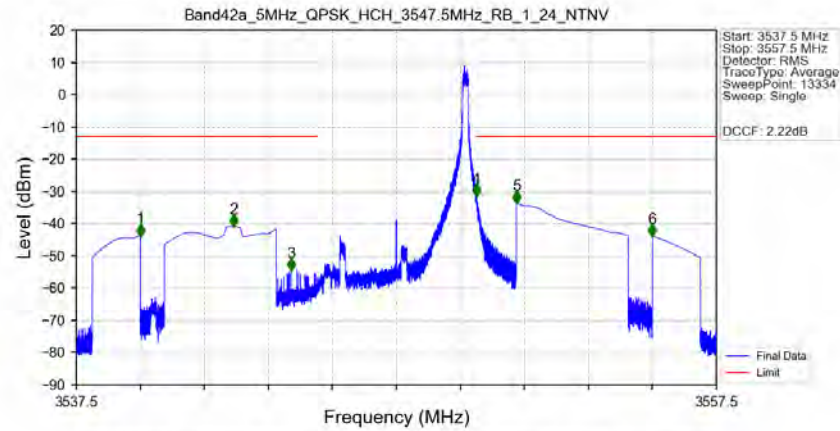
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTV



Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV

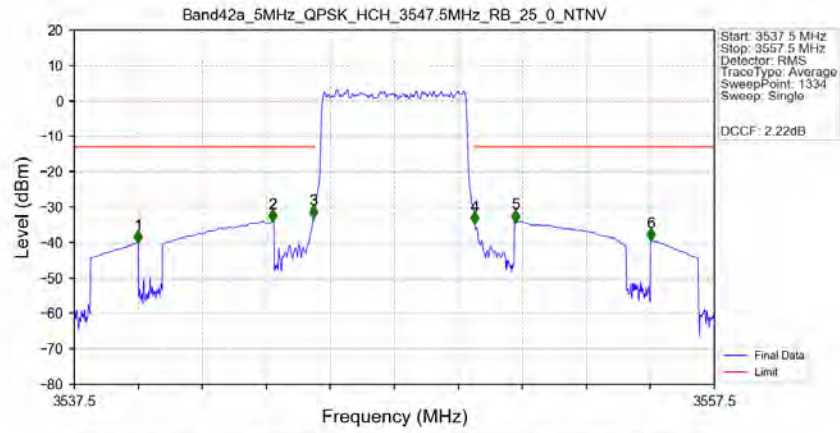


Band42a 5MHz QPSK HCH 3547.5MHz RB 1 24 NTNV



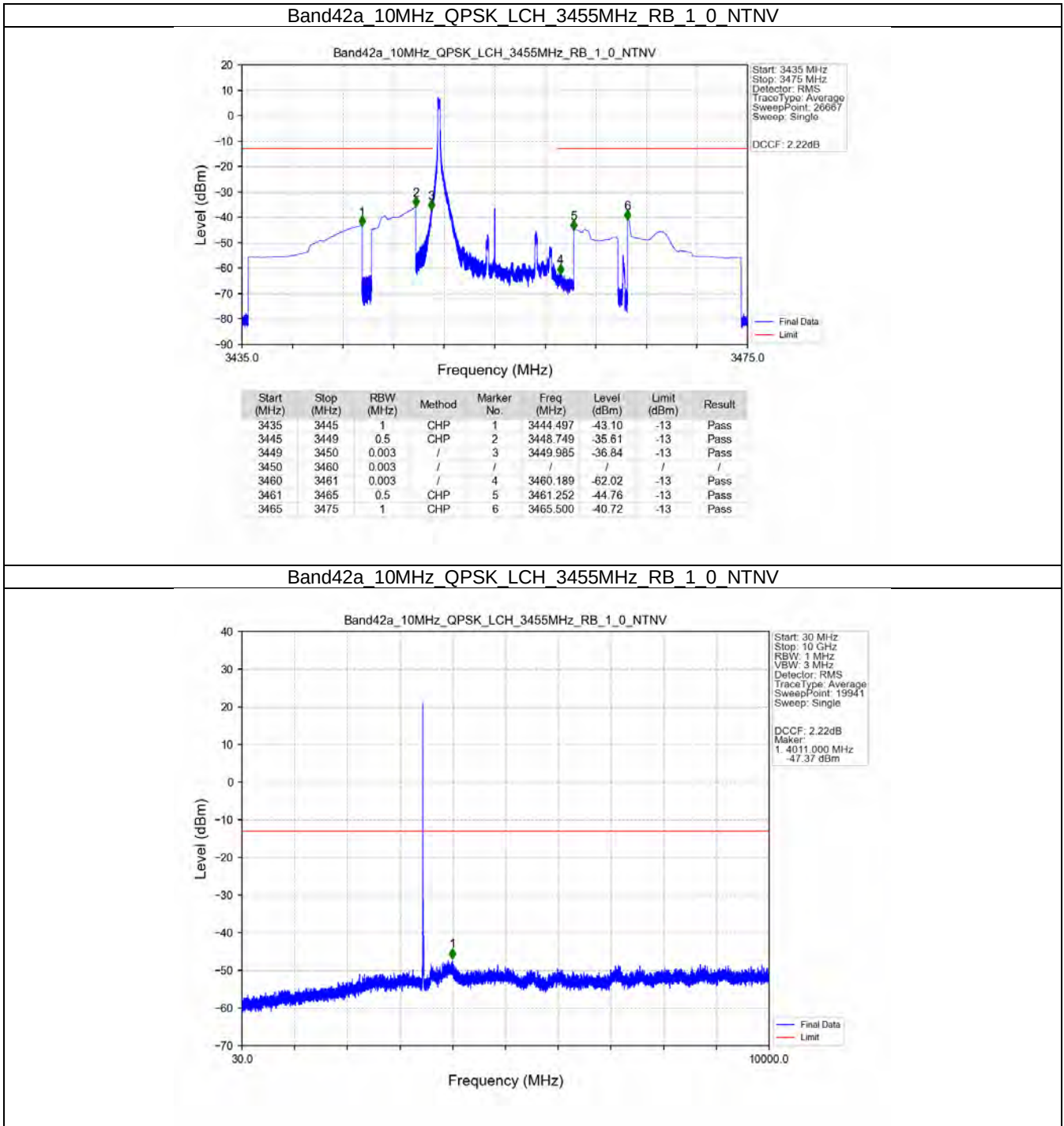
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.500	-43.71	-13	Pass
3540	3544	0.5	CHP	2	3542.413	-40.85	-13	Pass
3544	3545	0.003	/	3	3544.205	-54.41	-13	Pass
3545	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.001	-31.37	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-33.47	-13	Pass
3555	3557.5	1	CHP	6	3555.500	-43.88	-13	Pass

Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTNV

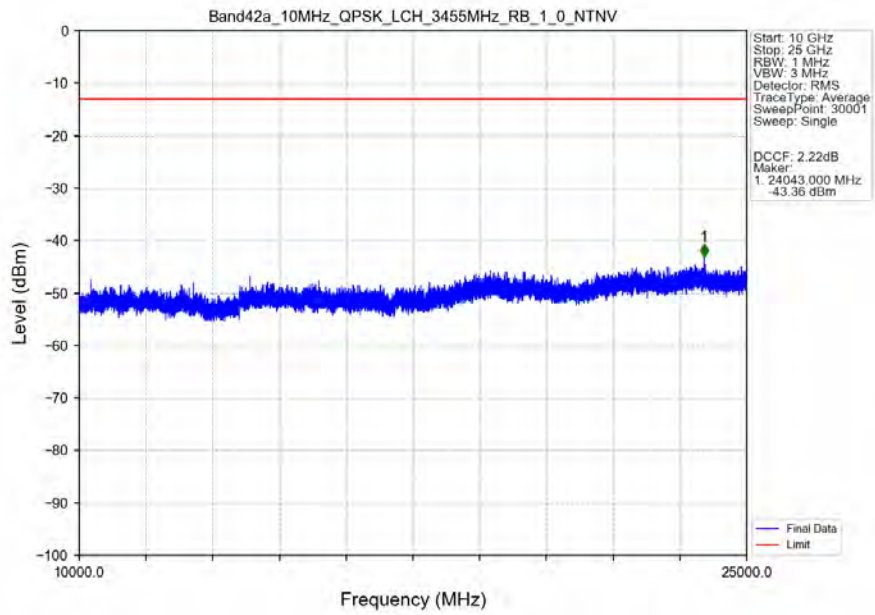


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.495	-40.02	-13	Pass
3540	3544	0.5	CHP	2	3543.697	-34.02	-13	Pass
3544	3545	0.051	CHP	3	3544.972	-32.83	-13	Pass
3545	3550	0.051	CHP	/	/	/	/	/
3550	3551	0.051	CHP	4	3550.013	-34.62	-13	Pass
3551	3555	0.5	CHP	5	3551.288	-34.04	-13	Pass
3555	3557.5	1	CHP	6	3555.505	-39.35	-13	Pass

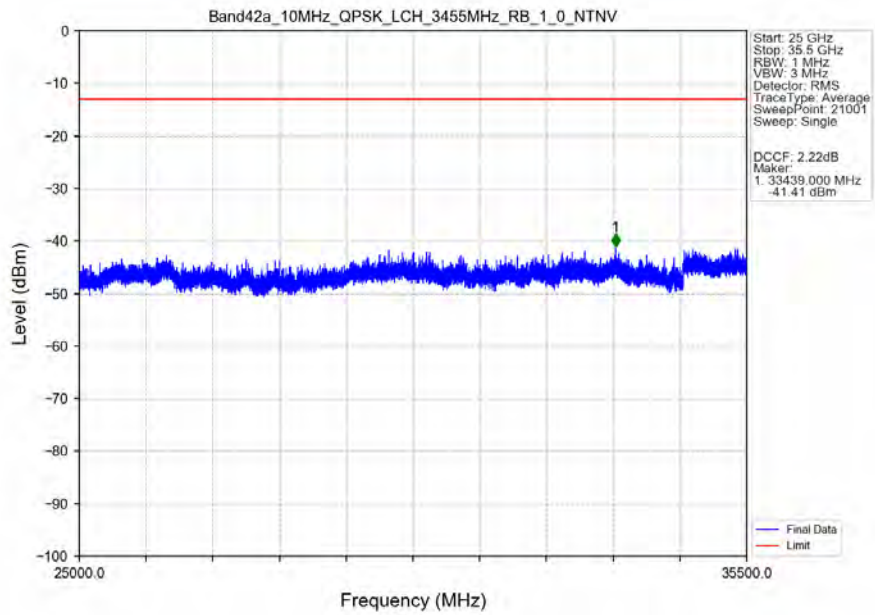
5.2.2 B42a_10MHz



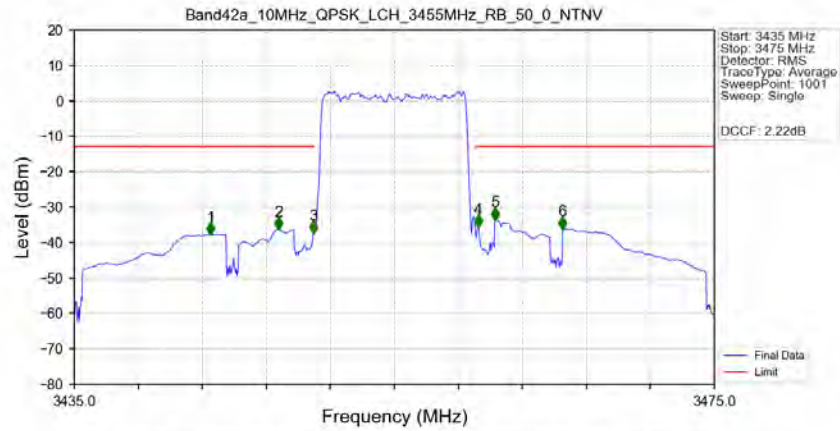
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

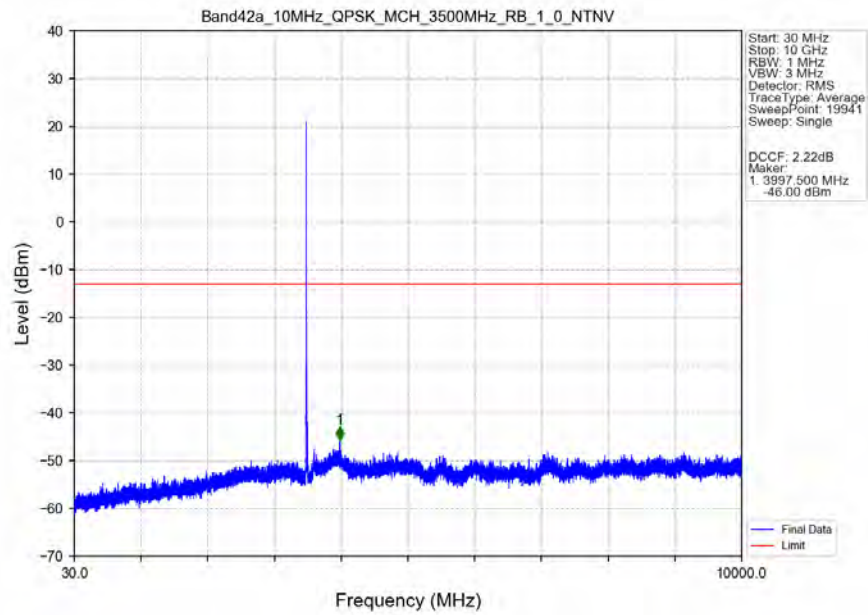


Band42a 10MHz QPSK LCH 3455MHz RB 50 0 NTV

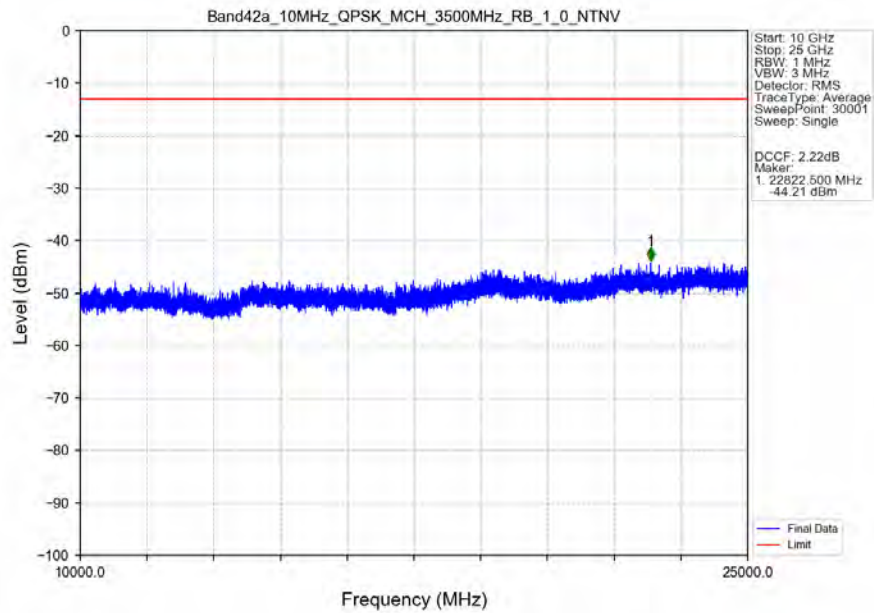


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3443.520	-37.62	-13	Pass
3445	3449	0.5	CHP	2	3447.760	-36.16	-13	Pass
3449	3450	0.101	CHP	3	3449.960	-37.14	-13	Pass
3450	3460	0.101	CHP	/	/	/	/	/
3460	3461	0.101	CHP	4	3460.240	-35.40	-13	Pass
3461	3465	0.5	CHP	5	3461.280	-33.44	-13	Pass
3465	3475	1	CHP	6	3465.520	-36.02	-13	Pass

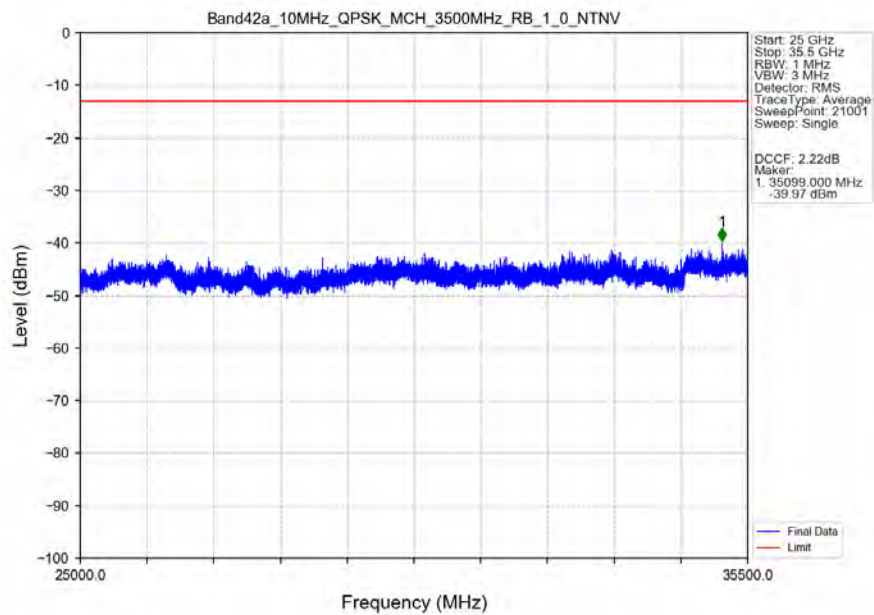
Band42a 10MHz QPSK MCH 3500MHz RB 1 0 NTV



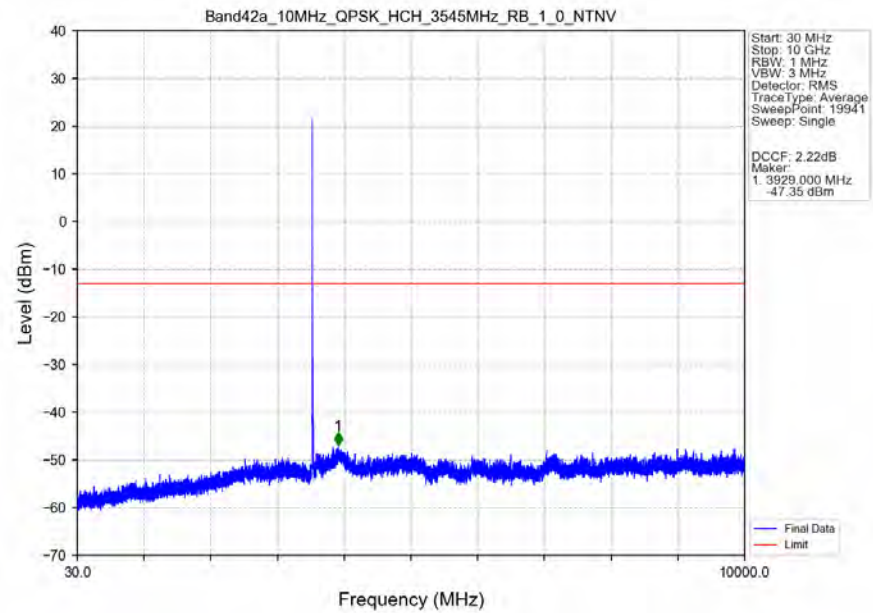
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



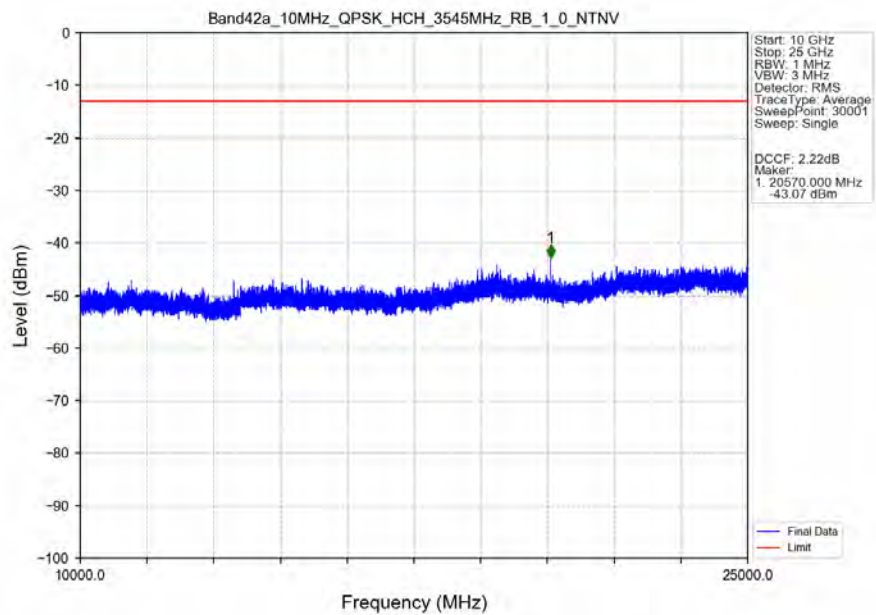
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



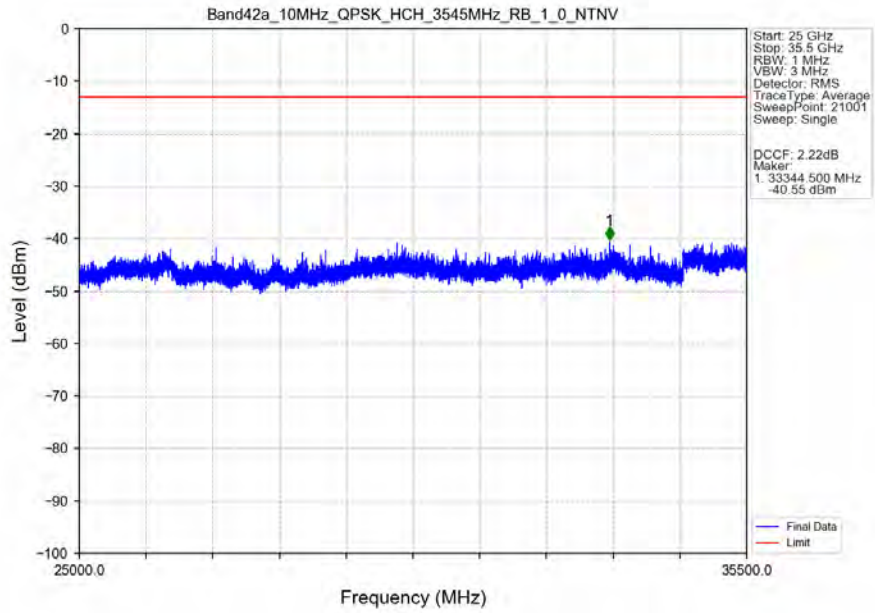
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



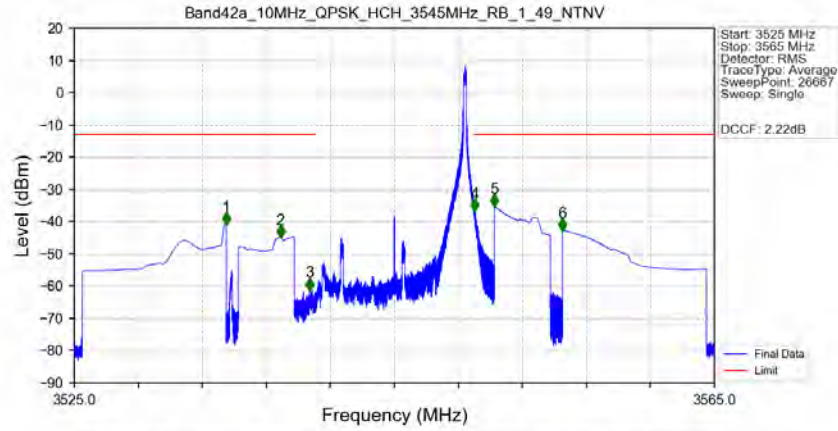
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



Band42a 10MHz QPSK HCH 3545MHz RB 1 0 NTV

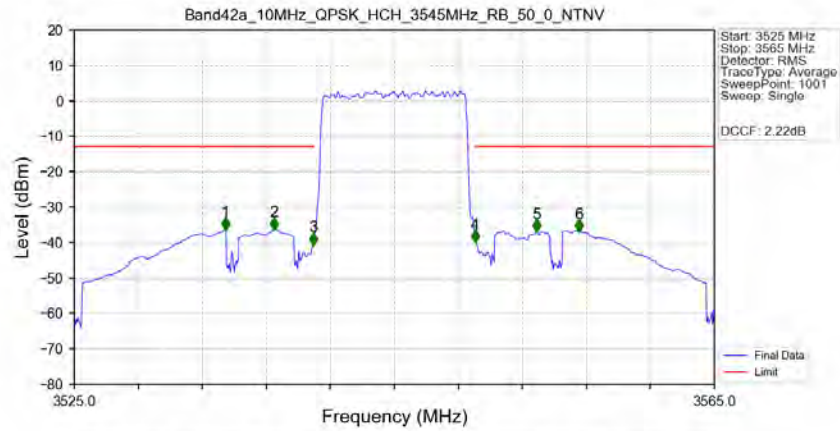


Band42a 10MHz QPSK HCH 3545MHz RB 1 49 NTV



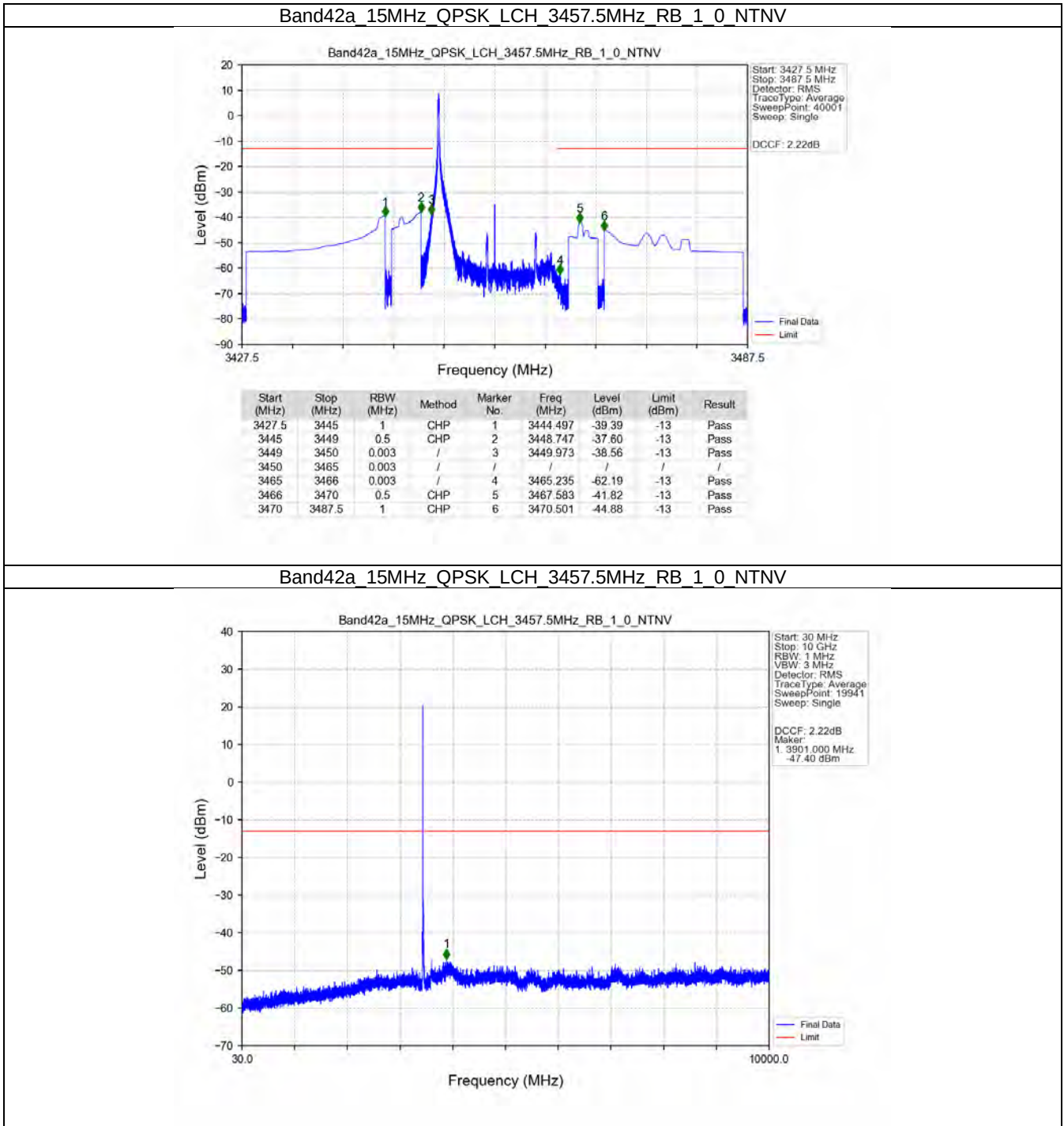
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.488	-40.82	-13	Pass
3535	3539	0.5	CHP	2	3537.885	-44.75	-13	Pass
3539	3540	0.003	/	3	3539.682	-61.08	-13	Pass
3540	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.018	-36.50	-13	Pass
3551	3555	0.5	CHP	5	3551.252	-35.11	-13	Pass
3555	3565	1	CHP	6	3555.503	-42.58	-13	Pass

Band42a 10MHz QPSK HCH 3545MHz RB 50 0 NTN

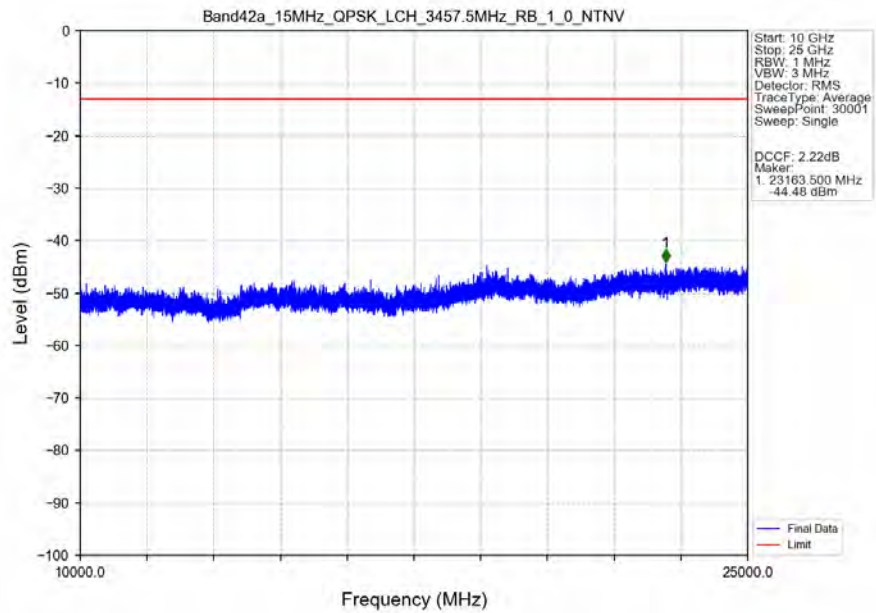


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.440	-36.22	-13	Pass
3535	3539	0.5	CHP	2	3537.480	-36.20	-13	Pass
3539	3540	0.101	CHP	3	3539.920	-40.49	-13	Pass
3540	3550	0.101	CHP	/	/	/	/	/
3550	3551	0.101	CHP	4	3550.040	-39.77	-13	Pass
3551	3555	0.5	CHP	5	3553.880	-36.67	-13	Pass
3555	3565	1	CHP	6	3556.560	-36.71	-13	Pass

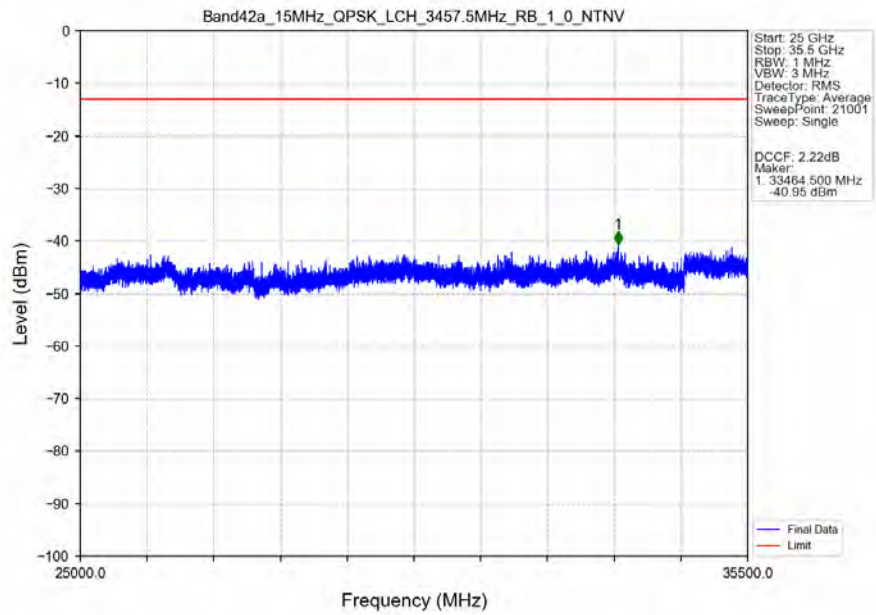
5.2.3 B42a_15MHz



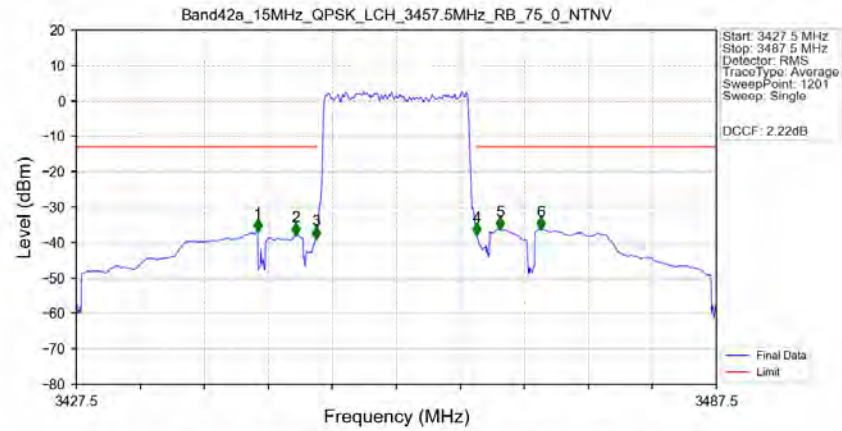
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV

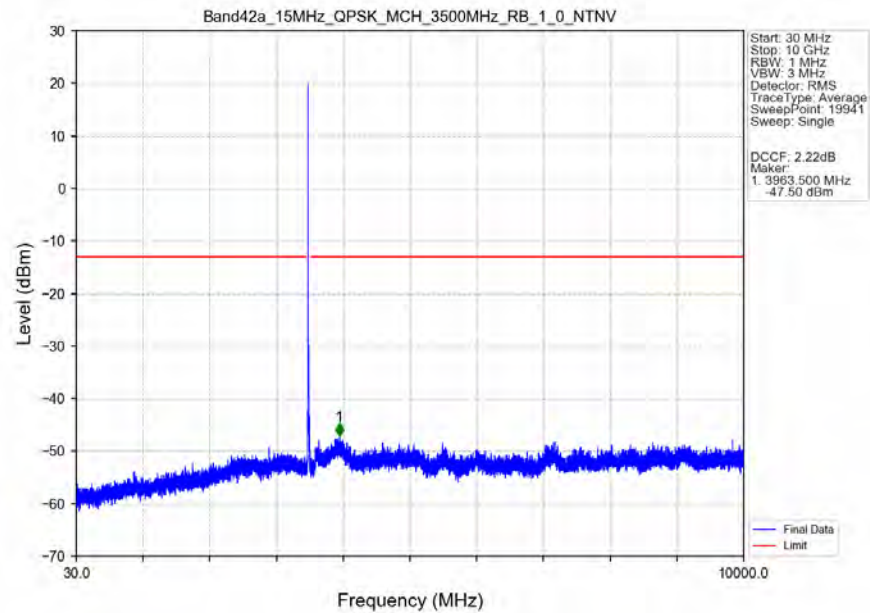


Band42a 15MHz QPSK LCH 3457.5MHz RB 75 0 NTV

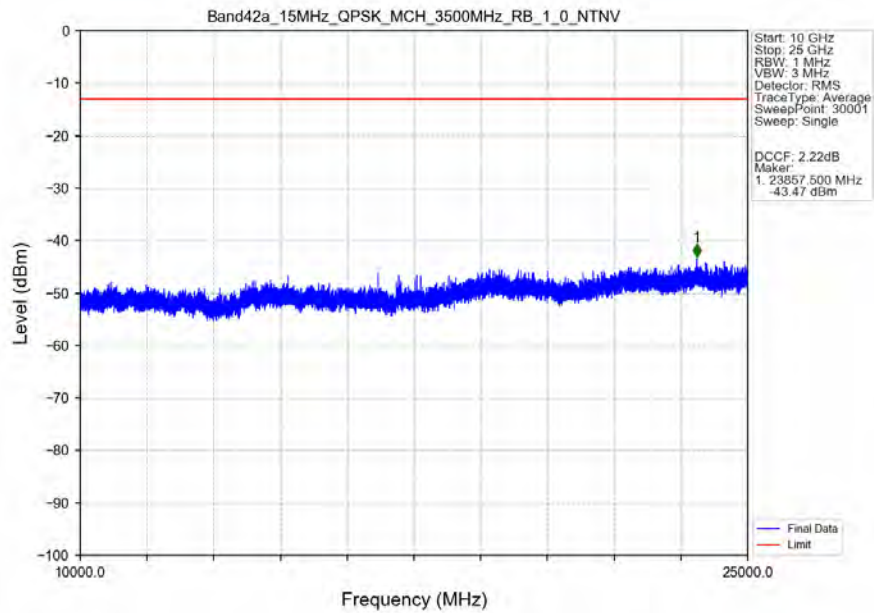


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3427.5	3445	1	CHP	1	3444.500	-36.71	-13	Pass
3445	3449	0.5	CHP	2	3448.100	-37.73	-13	Pass
3449	3450	0.166	CHP	3	3449.950	-38.79	-13	Pass
3450	3485	0.166	CHP	/	/	/	/	/
3465	3466	0.166	CHP	4	3465.050	-37.82	-13	Pass
3466	3470	0.5	CHP	5	3467.200	-36.13	-13	Pass
3470	3487.5	1	CHP	6	3471.050	-36.16	-13	Pass

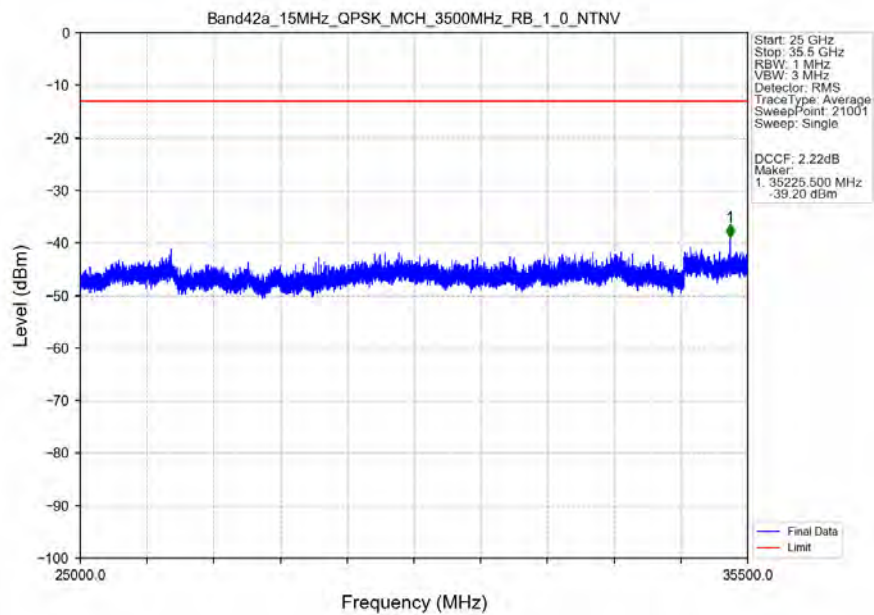
Band42a 15MHz QPSK MCH 3500MHz RB 1 0 NTV



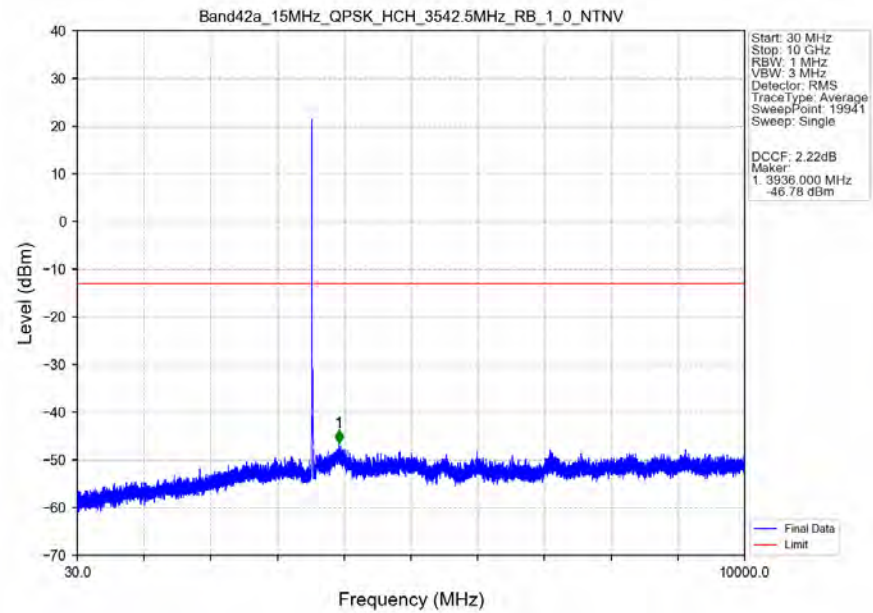
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



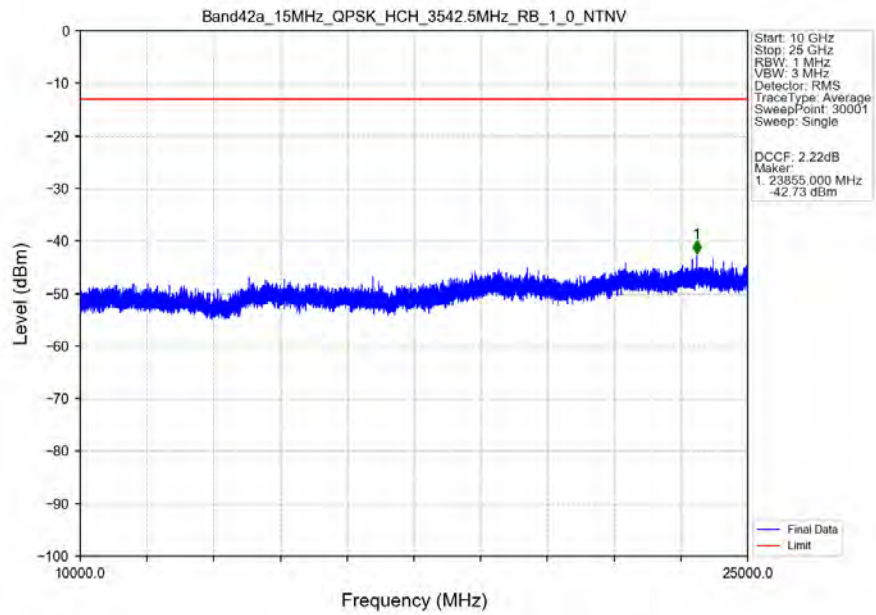
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



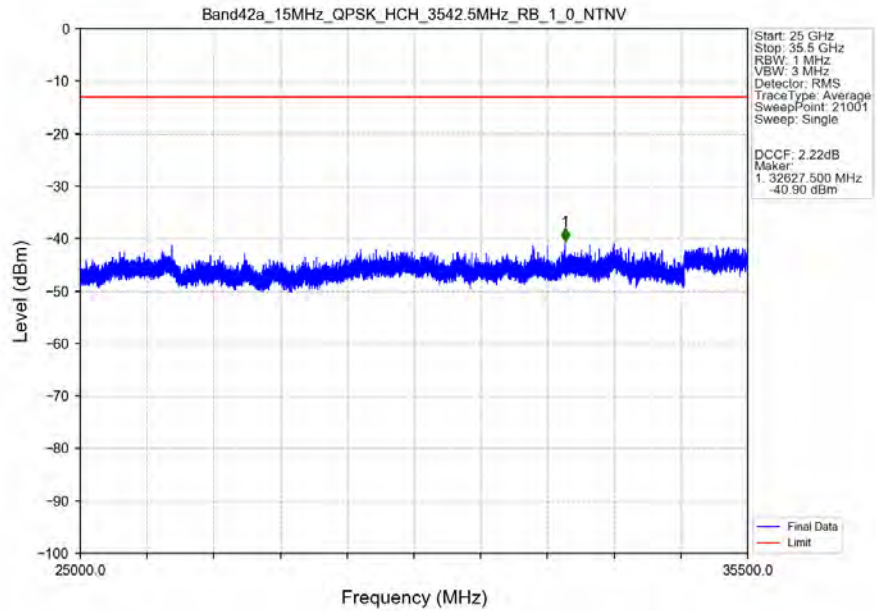
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



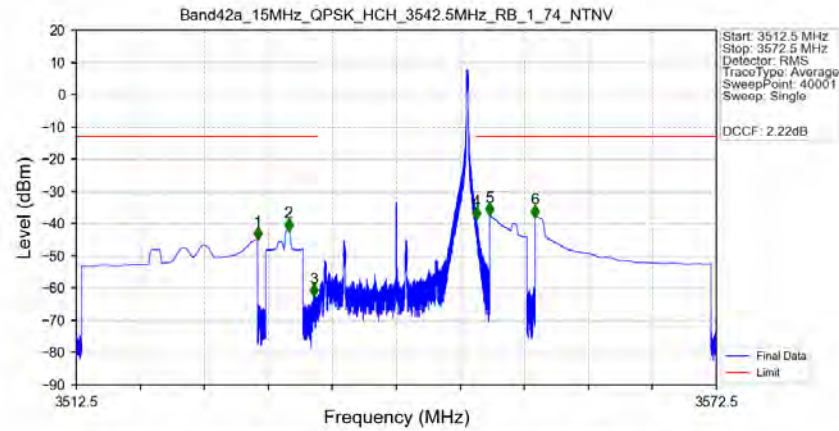
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV

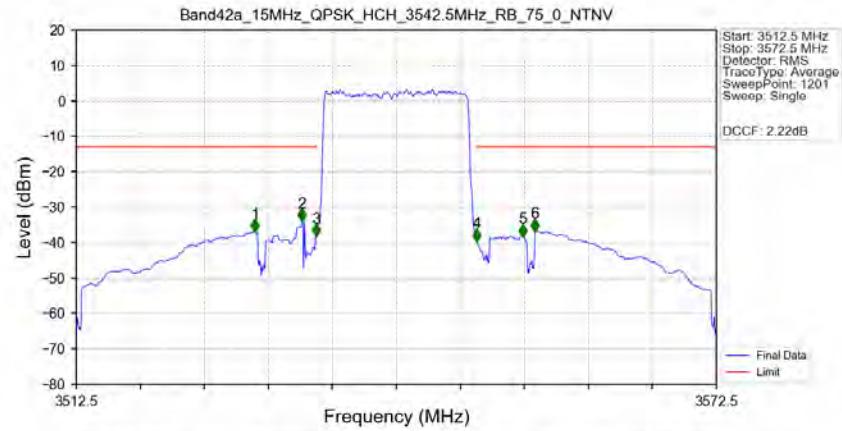


Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_74_NTNV



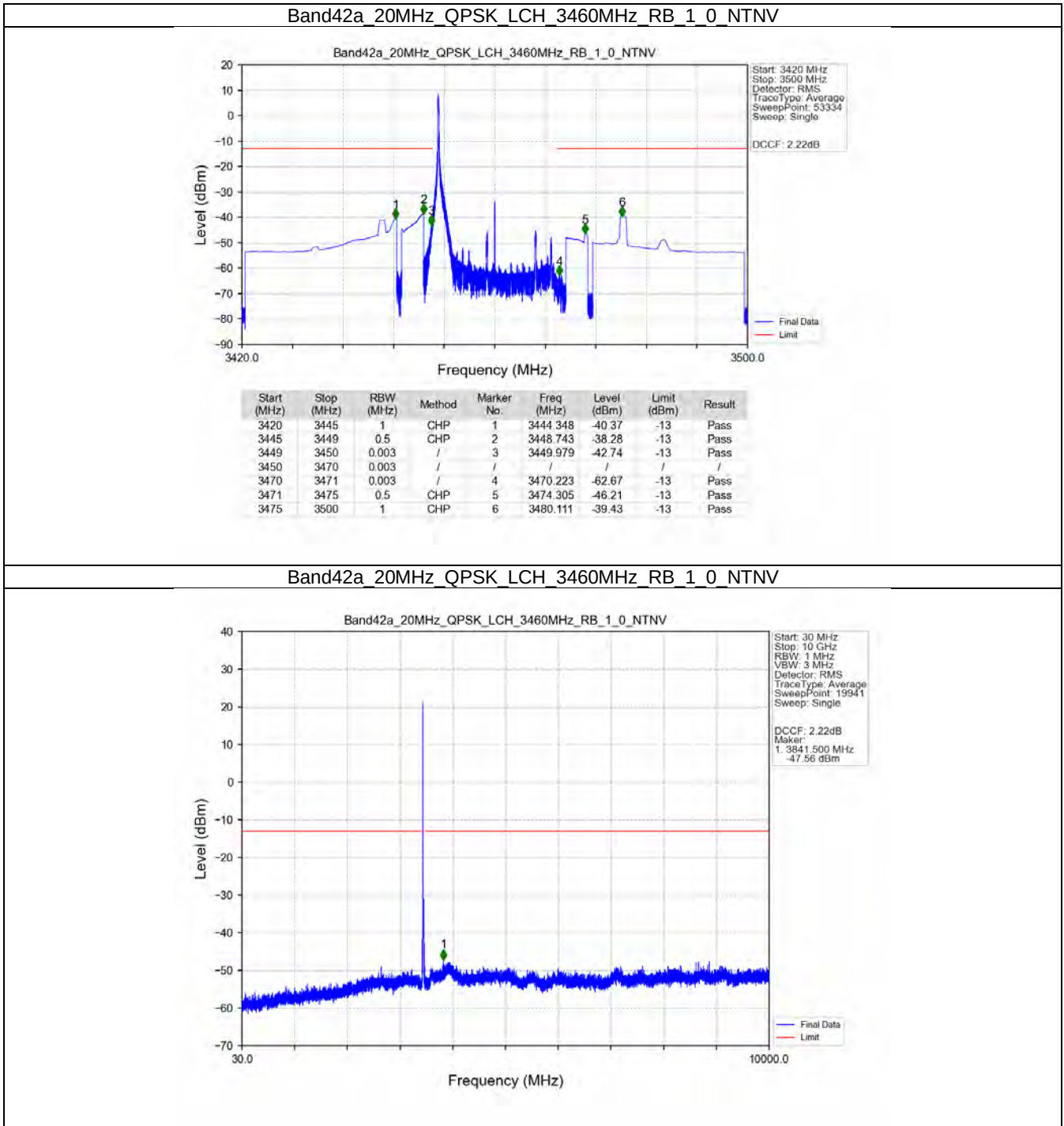
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3529.499	-44.84	-13	Pass
3530	3534	0.5	CHP	2	3532.396	-42.04	-13	Pass
3534	3535	0.003	/	3	3534.793	-62.43	-13	Pass
3535	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.001	-38.38	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-37.23	-13	Pass
3555	3572.5	1	CHP	6	3555.501	-37.82	-13	Pass

Band42a 15MHz QPSK HCH 3542.5MHz RB 75 0 NTNV

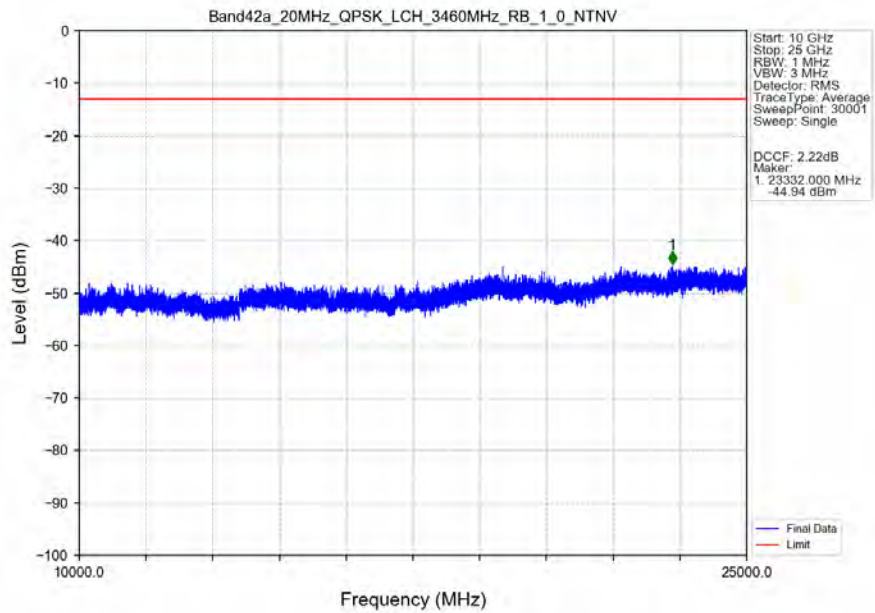


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3529.250	-36.73	-13	Pass
3530	3534	0.5	CHP	2	3533.650	-33.77	-13	Pass
3534	3535	0.166	CHP	3	3534.950	-38.05	-13	Pass
3535	3550	0.166	CHP	/	/	/	/	/
3550	3551	0.166	CHP	4	3550.050	-39.43	-13	Pass
3551	3555	0.5	CHP	5	3554.350	-38.11	-13	Pass
3555	3572.5	1	CHP	6	3555.500	-36.66	-13	Pass

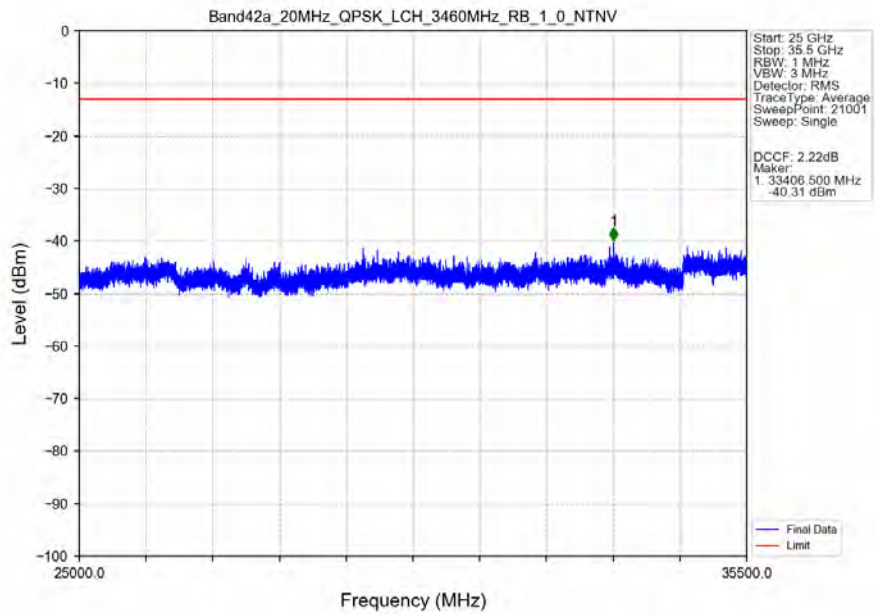
5.2.4 B42a_20MHz



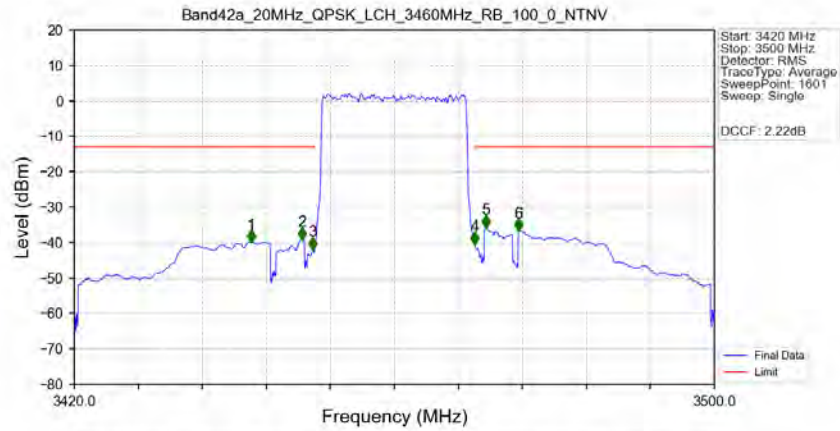
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV

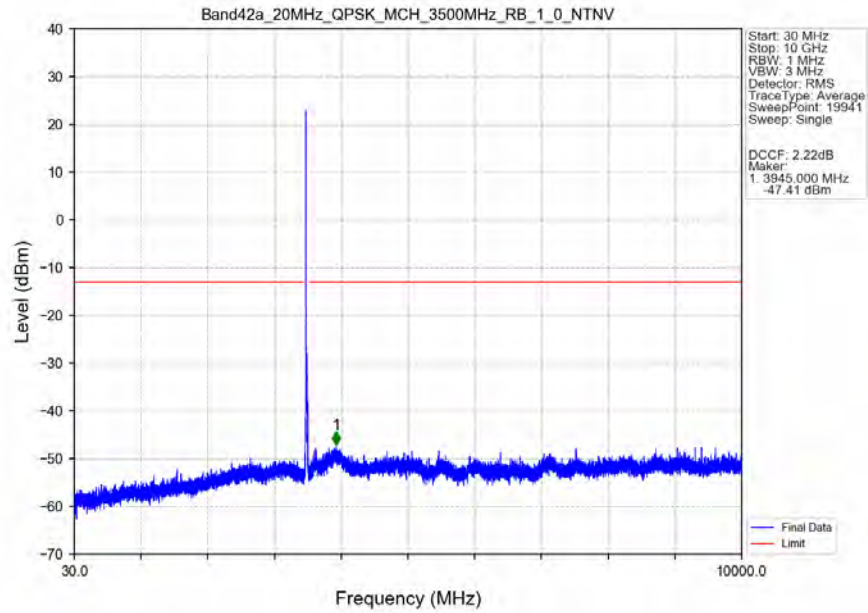


Band42a 20MHz QPSK LCH 3460MHz RB 100 0 NTNV

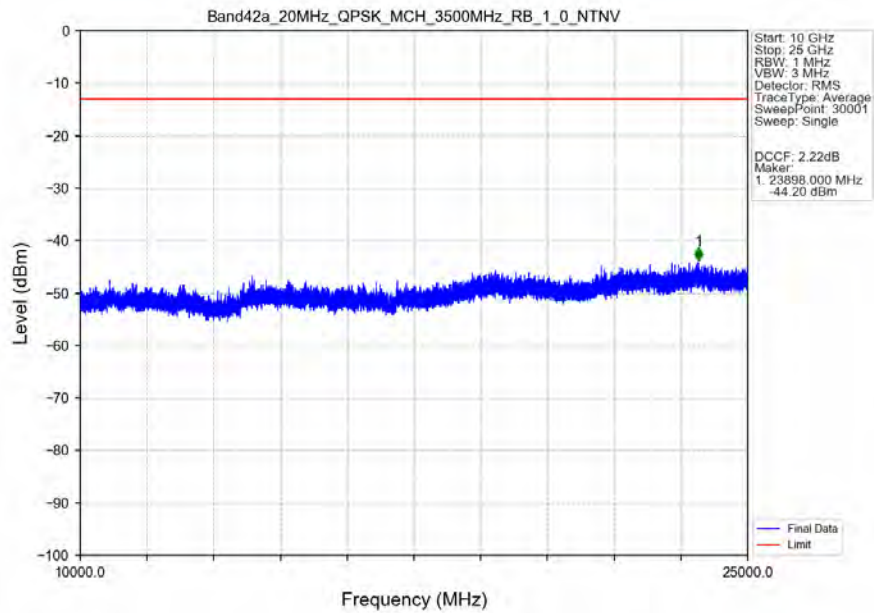


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3420	3445	1	CHP	1	3442.100	-39.76	-13	Pass
3445	3449	0.5	CHP	2	3448.450	-38.98	-13	Pass
3449	3450	0.2	CHP	3	3449.800	-41.75	-13	Pass
3450	3470	0.2	CHP	/	/	/	/	/
3470	3471	0.2	CHP	4	3470.050	-40.25	-13	Pass
3471	3475	0.5	CHP	5	3471.450	-35.56	-13	Pass
3475	3500	1	CHP	6	3475.500	-36.52	-13	Pass

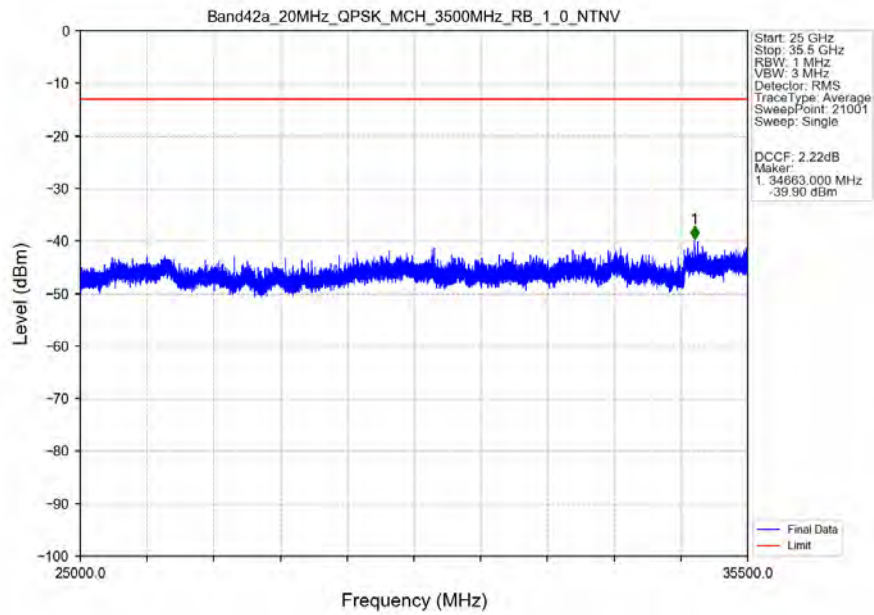
Band42a 20MHz QPSK MCH 3500MHz RB 1 0 NTNV



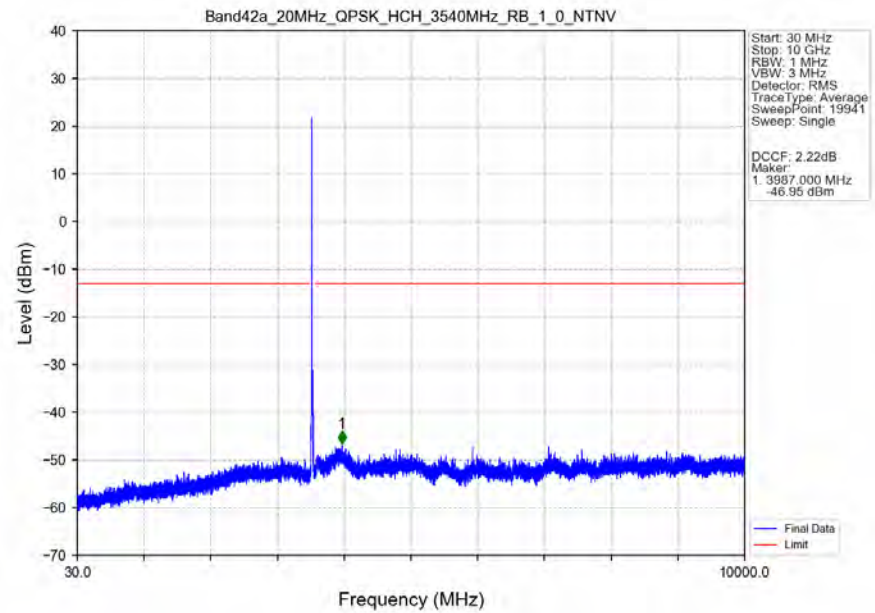
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



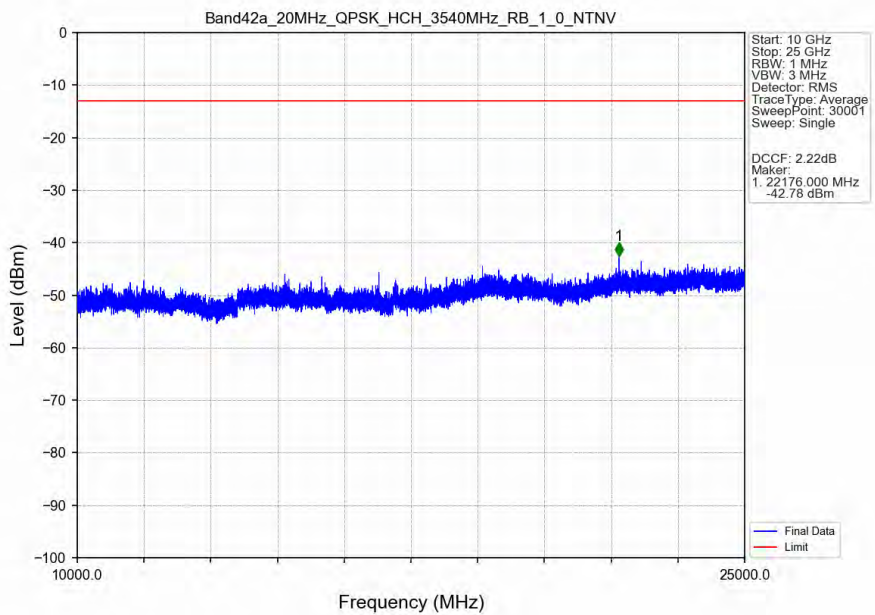
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



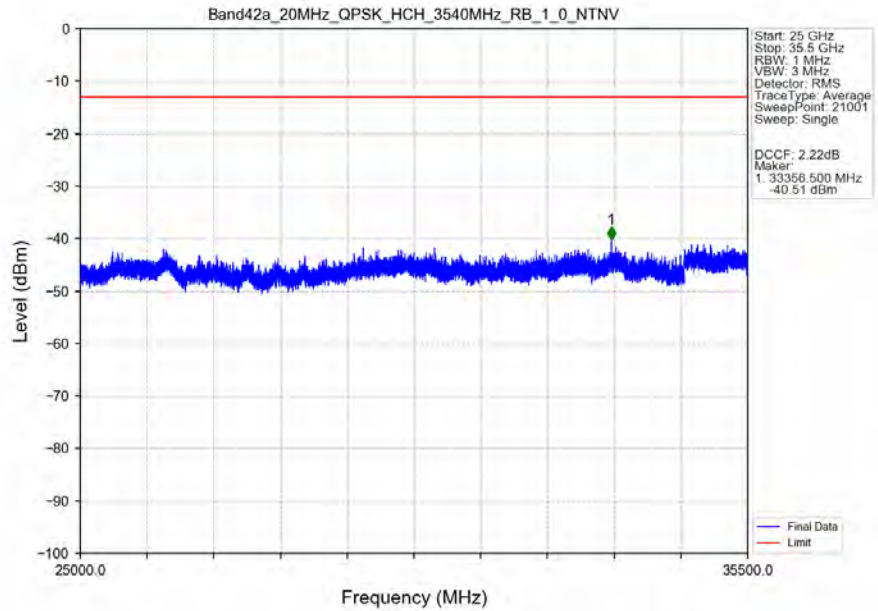
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



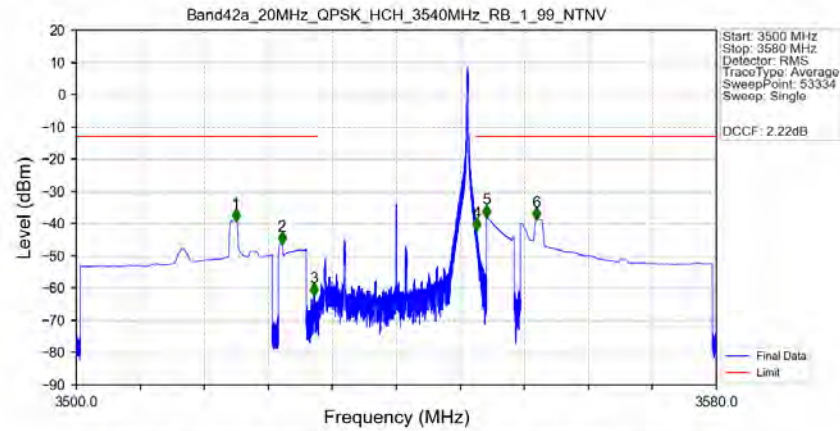
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



Band42a 20MHz QPSK HCH 3540MHz RB 1 0 NTV

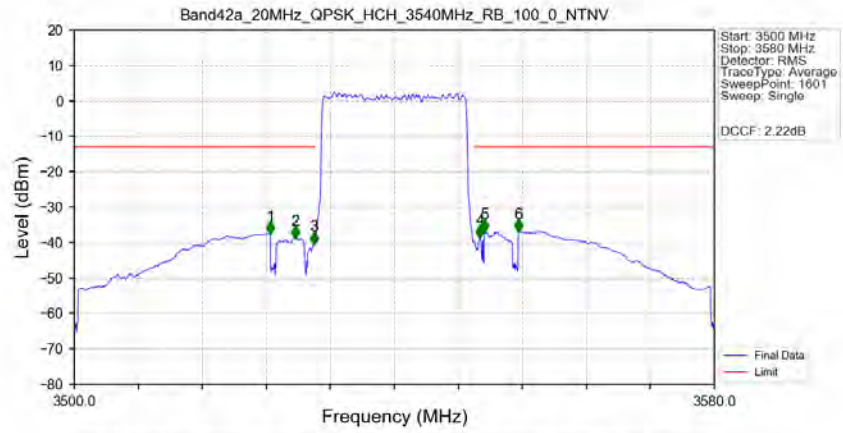


Band42a 20MHz QPSK HCH 3540MHz RB 1 99 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3525	1	CHP	1	3519.955	-39.15	-13	Pass
3525	3529	0.5	CHP	2	3525.682	-46.22	-13	Pass
3529	3530	0.003	/	3	3529.733	-62.20	-13	Pass
3530	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.060	-42.01	-13	Pass
3551	3555	0.5	CHP	5	3551.254	-37.82	-13	Pass
3555	3580	1	CHP	6	3557.510	-38.68	-13	Pass

Band42a 20MHz QPSK HCH 3540MHz RB 100 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3525	1	CHP	1	3524.500	-37.32	-13	Pass
3525	3529	0.5	CHP	2	3527.650	-38.66	-13	Pass
3529	3530	0.2	CHP	3	3529.950	-40.25	-13	Pass
3530	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.700	-38.49	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-36.71	-13	Pass
3555	3580	1	CHP	6	3555.500	-36.67	-13	Pass