

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B42a_5MHz_EIRP

Band: 42a / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3452.5	1	0	22.66	-7.01	15.65	<=30	Pass
			13	22.74	-7.01	15.73	<=30	Pass
			24	22.58	-7.01	15.57	<=30	Pass
		12	0	21.77	-7.01	14.76	<=30	Pass
			6	21.78	-7.01	14.77	<=30	Pass
			13	21.77	-7.01	14.76	<=30	Pass
		25	0	21.73	-7.01	14.72	<=30	Pass
	3500	1	0	22.40	-7.01	15.39	<=30	Pass
			13	22.32	-7.01	15.31	<=30	Pass
			24	22.22	-7.01	15.21	<=30	Pass
		12	0	21.45	-7.01	14.44	<=30	Pass
			6	21.38	-7.01	14.37	<=30	Pass
			13	21.47	-7.01	14.46	<=30	Pass
		25	0	22.02	-7.01	15.01	<=30	Pass
	3547.5	1	0	22.88	-7.01	15.87	<=30	Pass
			13	22.98	-7.01	15.97	<=30	Pass
			24	22.94	-7.01	15.93	<=30	Pass
		12	0	21.89	-7.01	14.88	<=30	Pass
			6	21.78	-7.01	14.77	<=30	Pass
			13	21.98	-7.01	14.97	<=30	Pass
		25	0	21.86	-7.01	14.85	<=30	Pass
16QAM	3452.5	1	0	21.59	-7.01	14.58	<=30	Pass
			13	21.87	-7.01	14.86	<=30	Pass
			24	21.59	-7.01	14.58	<=30	Pass
		12	0	20.76	-7.01	13.75	<=30	Pass
			6	20.71	-7.01	13.70	<=30	Pass
			13	20.72	-7.01	13.71	<=30	Pass
		25	0	20.69	-7.01	13.68	<=30	Pass
	3500	1	0	22.01	-7.01	15.00	<=30	Pass
			13	21.99	-7.01	14.98	<=30	Pass
			24	21.87	-7.01	14.86	<=30	Pass
		12	0	21.06	-7.01	14.05	<=30	Pass
			6	21.07	-7.01	14.06	<=30	Pass
			13	21.01	-7.01	14.00	<=30	Pass
		25	0	21.06	-7.01	14.05	<=30	Pass
	3547.5	1	0	21.97	-7.01	14.96	<=30	Pass
			13	21.99	-7.01	14.98	<=30	Pass
			24	22.00	-7.01	14.99	<=30	Pass
		12	0	20.95	-7.01	13.94	<=30	Pass
			6	21.00	-7.01	13.99	<=30	Pass
			13	20.98	-7.01	13.97	<=30	Pass
		25	0	20.85	-7.01	13.84	<=30	Pass
64QAM	3452.5	1	0	20.60	-7.01	13.59	<=30	Pass
			13	20.74	-7.01	13.73	<=30	Pass
			24	20.64	-7.01	13.63	<=30	Pass
		12	0	19.76	-7.01	12.75	<=30	Pass
			6	19.71	-7.01	12.70	<=30	Pass
			13	19.78	-7.01	12.77	<=30	Pass
		25	0	19.70	-7.01	12.69	<=30	Pass

	3500	1	0	21.07	-7.01	14.06	<=30	Pass
			13	21.09	-7.01	14.08	<=30	Pass
			24	21.04	-7.01	14.03	<=30	Pass
		12	0	20.08	-7.01	13.07	<=30	Pass
			6	20.01	-7.01	13.00	<=30	Pass
			13	19.98	-7.01	12.97	<=30	Pass
		25	0	19.98	-7.01	12.97	<=30	Pass
	3547.5	1	0	20.85	-7.01	13.84	<=30	Pass
			13	21.19	-7.01	14.18	<=30	Pass
			24	20.89	-7.01	13.88	<=30	Pass
		12	0	19.97	-7.01	12.96	<=30	Pass
			6	19.94	-7.01	12.93	<=30	Pass
			13	19.97	-7.01	12.96	<=30	Pass
		25	0	19.94	-7.01	12.93	<=30	Pass
256QAM	3452.5	1	0	17.45	-7.01	10.44	<=30	Pass
			13	17.65	-7.01	10.64	<=30	Pass
			24	17.58	-7.01	10.57	<=30	Pass
		12	0	17.72	-7.01	10.71	<=30	Pass
			6	17.62	-7.01	10.61	<=30	Pass
			13	17.61	-7.01	10.60	<=30	Pass
		25	0	17.60	-7.01	10.59	<=30	Pass
	3500	1	0	17.80	-7.01	10.79	<=30	Pass
			13	17.85	-7.01	10.84	<=30	Pass
			24	17.87	-7.01	10.86	<=30	Pass
		12	0	17.94	-7.01	10.93	<=30	Pass
			6	17.96	-7.01	10.95	<=30	Pass
			13	17.88	-7.01	10.87	<=30	Pass
		25	0	17.92	-7.01	10.91	<=30	Pass
	3547.5	1	0	17.68	-7.01	10.67	<=30	Pass
			13	17.75	-7.01	10.74	<=30	Pass
			24	17.76	-7.01	10.75	<=30	Pass
		12	0	17.80	-7.01	10.79	<=30	Pass
			6	17.85	-7.01	10.84	<=30	Pass
			13	17.86	-7.01	10.85	<=30	Pass
		25	0	17.80	-7.01	10.79	<=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	23.22	-7.01	16.21	<=30	Pass
			25	23.27	-7.01	16.26	<=30	Pass
			49	23.08	-7.01	16.07	<=30	Pass
		25	0	22.33	-7.01	15.32	<=30	Pass
			13	22.34	-7.01	15.33	<=30	Pass
			25	22.16	-7.01	15.15	<=30	Pass
		50	0	22.33	-7.01	15.32	<=30	Pass
	3500	1	0	23.01	-7.01	16.00	<=30	Pass
			25	23.01	-7.01	16.00	<=30	Pass
			49	22.95	-7.01	15.94	<=30	Pass
		25	0	22.08	-7.01	15.07	<=30	Pass
			13	22.03	-7.01	15.02	<=30	Pass
			25	21.98	-7.01	14.97	<=30	Pass
		50	0	22.08	-7.01	15.07	<=30	Pass
	3545	1	0	22.92	-7.01	15.91	<=30	Pass

			25	23.00	-7.01	15.99	<=30	Pass		
			49	22.92	-7.01	15.91	<=30	Pass		
			0	21.99	-7.01	14.98	<=30	Pass		
		25	13	21.96	-7.01	14.95	<=30	Pass		
			25	22.00	-7.01	14.99	<=30	Pass		
			50	0	21.99	-7.01	14.98	<=30	Pass	
16QAM	3455	1	0	22.19	-7.01	15.18	<=30	Pass		
			25	22.16	-7.01	15.15	<=30	Pass		
			49	22.03	-7.01	15.02	<=30	Pass		
		25	0	21.35	-7.01	14.34	<=30	Pass		
			13	21.25	-7.01	14.24	<=30	Pass		
			25	21.21	-7.01	14.20	<=30	Pass		
		50	0	21.31	-7.01	14.30	<=30	Pass		
		3500	1	0	21.89	-7.01	14.88	<=30	Pass	
				25	22.08	-7.01	15.07	<=30	Pass	
	49			21.71	-7.01	14.70	<=30	Pass		
	25		0	21.05	-7.01	14.04	<=30	Pass		
			13	21.03	-7.01	14.02	<=30	Pass		
			25	21.05	-7.01	14.04	<=30	Pass		
	50		0	21.05	-7.01	14.04	<=30	Pass		
	3545		1	0	21.96	-7.01	14.95	<=30	Pass	
				25	21.98	-7.01	14.97	<=30	Pass	
		49		22.01	-7.01	15.00	<=30	Pass		
		25	0	21.08	-7.01	14.07	<=30	Pass		
			13	20.97	-7.01	13.96	<=30	Pass		
			25	21.02	-7.01	14.01	<=30	Pass		
		50	0	20.97	-7.01	13.96	<=30	Pass		
		64QAM	3455	1	0	21.39	-7.01	14.38	<=30	Pass
					25	21.16	-7.01	14.15	<=30	Pass
	49				21.06	-7.01	14.05	<=30	Pass	
25	0			20.34	-7.01	13.33	<=30	Pass		
	13			20.30	-7.01	13.29	<=30	Pass		
	25			20.16	-7.01	13.15	<=30	Pass		
50	0			20.29	-7.01	13.28	<=30	Pass		
3500	1			0	21.07	-7.01	14.06	<=30	Pass	
				25	20.87	-7.01	13.86	<=30	Pass	
			49	20.89	-7.01	13.88	<=30	Pass		
	25		0	19.91	-7.01	12.90	<=30	Pass		
			13	20.05	-7.01	13.04	<=30	Pass		
			25	19.96	-7.01	12.95	<=30	Pass		
	50		0	20.03	-7.01	13.02	<=30	Pass		
	3545		1	0	20.80	-7.01	13.79	<=30	Pass	
				25	20.90	-7.01	13.89	<=30	Pass	
49				20.92	-7.01	13.91	<=30	Pass		
25			0	20.02	-7.01	13.01	<=30	Pass		
			13	19.88	-7.01	12.87	<=30	Pass		
			25	19.98	-7.01	12.97	<=30	Pass		
50			0	19.93	-7.01	12.92	<=30	Pass		
256QAM			3455	1	0	17.99	-7.01	10.98	<=30	Pass
					25	17.86	-7.01	10.85	<=30	Pass
	49				18.08	-7.01	11.07	<=30	Pass	
	25	0		18.19	-7.01	11.18	<=30	Pass		
		13		18.20	-7.01	11.19	<=30	Pass		
		25		18.08	-7.01	11.07	<=30	Pass		
	50	0		18.21	-7.01	11.20	<=30	Pass		
	3500	1		0	17.83	-7.01	10.82	<=30	Pass	
				25	17.94	-7.01	10.93	<=30	Pass	
			49	17.94	-7.01	10.93	<=30	Pass		
	25	0	17.91	-7.01	10.90	<=30	Pass			

			13	17.92	-7.01	10.91	<=30	Pass
			25	17.90	-7.01	10.89	<=30	Pass
		50	0	17.90	-7.01	10.89	<=30	Pass
	3545	1	0	17.76	-7.01	10.75	<=30	Pass
			25	17.85	-7.01	10.84	<=30	Pass
			49	17.83	-7.01	10.82	<=30	Pass
		25	0	17.86	-7.01	10.85	<=30	Pass
			13	17.85	-7.01	10.84	<=30	Pass
			25	17.91	-7.01	10.90	<=30	Pass
		50	0	17.89	-7.01	10.88	<=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	23.07	-7.01	16.06	<=30	Pass
			38	23.01	-7.01	16.00	<=30	Pass
			74	22.87	-7.01	15.86	<=30	Pass
		36	0	22.11	-7.01	15.10	<=30	Pass
			18	22.03	-7.01	15.02	<=30	Pass
			39	21.94	-7.01	14.93	<=30	Pass
		75	0	21.91	-7.01	14.90	<=30	Pass
	3500	1	0	22.73	-7.01	15.72	<=30	Pass
			38	22.68	-7.01	15.67	<=30	Pass
			74	22.59	-7.01	15.58	<=30	Pass
		36	0	21.90	-7.01	14.89	<=30	Pass
			18	21.85	-7.01	14.84	<=30	Pass
			39	21.79	-7.01	14.78	<=30	Pass
		75	0	21.86	-7.01	14.85	<=30	Pass
	3542.5	1	0	22.42	-7.01	15.41	<=30	Pass
			38	22.40	-7.01	15.39	<=30	Pass
			74	22.65	-7.01	15.64	<=30	Pass
		36	0	21.81	-7.01	14.80	<=30	Pass
			18	21.78	-7.01	14.77	<=30	Pass
			39	21.82	-7.01	14.81	<=30	Pass
		75	0	21.79	-7.01	14.78	<=30	Pass
16QAM	3457.5	1	0	22.17	-7.01	15.16	<=30	Pass
			38	22.01	-7.01	15.00	<=30	Pass
			74	21.68	-7.01	14.67	<=30	Pass
		36	0	21.18	-7.01	14.17	<=30	Pass
			18	21.01	-7.01	14.00	<=30	Pass
			39	20.96	-7.01	13.95	<=30	Pass
		75	0	21.01	-7.01	14.00	<=30	Pass
	3500	1	0	21.65	-7.01	14.64	<=30	Pass
			38	21.76	-7.01	14.75	<=30	Pass
			74	21.44	-7.01	14.43	<=30	Pass
		36	0	20.91	-7.01	13.90	<=30	Pass
			18	20.80	-7.01	13.79	<=30	Pass
			39	20.83	-7.01	13.82	<=30	Pass
		75	0	20.82	-7.01	13.81	<=30	Pass
	3542.5	1	0	21.72	-7.01	14.71	<=30	Pass
			38	21.88	-7.01	14.87	<=30	Pass
			74	21.73	-7.01	14.72	<=30	Pass
		36	0	20.76	-7.01	13.75	<=30	Pass
			18	20.83	-7.01	13.82	<=30	Pass

			39	20.85	-7.01	13.84	<=30	Pass		
		75	0	20.73	-7.01	13.72	<=30	Pass		
64QAM	3457.5	1	0	20.83	-7.01	13.82	<=30	Pass		
			38	20.98	-7.01	13.97	<=30	Pass		
			74	20.85	-7.01	13.84	<=30	Pass		
			0	20.15	-7.01	13.14	<=30	Pass		
		36	18	20.02	-7.01	13.01	<=30	Pass		
			39	19.98	-7.01	12.97	<=30	Pass		
			75	0	20.03	-7.01	13.02	<=30	Pass	
		3500	1	0	20.83	-7.01	13.82	<=30	Pass	
				38	20.57	-7.01	13.56	<=30	Pass	
	74			20.57	-7.01	13.56	<=30	Pass		
	0			19.92	-7.01	12.91	<=30	Pass		
	36		18	19.83	-7.01	12.82	<=30	Pass		
			39	19.87	-7.01	12.86	<=30	Pass		
			75	0	19.81	-7.01	12.80	<=30	Pass	
	3542.5		1	0	20.62	-7.01	13.61	<=30	Pass	
				38	20.75	-7.01	13.74	<=30	Pass	
		74		20.62	-7.01	13.61	<=30	Pass		
		0		19.86	-7.01	12.85	<=30	Pass		
		36	18	19.74	-7.01	12.73	<=30	Pass		
			39	19.85	-7.01	12.84	<=30	Pass		
			75	0	19.74	-7.01	12.73	<=30	Pass	
		256QAM	3457.5	1	0	17.82	-7.01	10.81	<=30	Pass
					38	17.96	-7.01	10.95	<=30	Pass
74	17.77				-7.01	10.76	<=30	Pass		
36	0			18.03	-7.01	11.02	<=30	Pass		
	18			17.90	-7.01	10.89	<=30	Pass		
	39			17.89	-7.01	10.88	<=30	Pass		
75	0			17.92	-7.01	10.91	<=30	Pass		
3500	1		0	17.72	-7.01	10.71	<=30	Pass		
			38	17.63	-7.01	10.62	<=30	Pass		
			74	17.81	-7.01	10.80	<=30	Pass		
	36		0	17.72	-7.01	10.71	<=30	Pass		
			18	17.80	-7.01	10.79	<=30	Pass		
			39	17.76	-7.01	10.75	<=30	Pass		
	75		0	17.77	-7.01	10.76	<=30	Pass		
3542.5	1		0	17.67	-7.01	10.66	<=30	Pass		
			38	17.67	-7.01	10.66	<=30	Pass		
			74	17.71	-7.01	10.70	<=30	Pass		
	36		0	17.75	-7.01	10.74	<=30	Pass		
			18	17.72	-7.01	10.71	<=30	Pass		
			39	17.77	-7.01	10.76	<=30	Pass		
	75		0	17.73	-7.01	10.72	<=30	Pass		
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	23.04	-7.01	16.03	<=30	Pass
			50	22.97	-7.01	15.96	<=30	Pass
			99	22.83	-7.01	15.82	<=30	Pass
		50	0	22.16	-7.01	15.15	<=30	Pass
			25	22.08	-7.01	15.07	<=30	Pass
			50	21.94	-7.01	14.93	<=30	Pass

		100	0	22.04	-7.01	15.03	<=30	Pass
	3500	1	0	22.80	-7.01	15.79	<=30	Pass
			50	22.79	-7.01	15.78	<=30	Pass
			99	22.63	-7.01	15.62	<=30	Pass
		50	0	21.93	-7.01	14.92	<=30	Pass
			25	21.88	-7.01	14.87	<=30	Pass
			50	21.78	-7.01	14.77	<=30	Pass
	100	0	21.82	-7.01	14.81	<=30	Pass	
	3540	1	0	22.31	-7.01	15.30	<=30	Pass
			50	22.76	-7.01	15.75	<=30	Pass
			99	22.69	-7.01	15.68	<=30	Pass
		50	0	21.79	-7.01	14.78	<=30	Pass
			25	21.78	-7.01	14.77	<=30	Pass
			50	21.83	-7.01	14.82	<=30	Pass
		100	0	21.76	-7.01	14.75	<=30	Pass
		16QAM	3460	1	0	21.92	-7.01	14.91
50	21.93				-7.01	14.92	<=30	Pass
99	21.87				-7.01	14.86	<=30	Pass
50	0			20.97	-7.01	13.96	<=30	Pass
	25			21.10	-7.01	14.09	<=30	Pass
	50			20.94	-7.01	13.93	<=30	Pass
100	0		21.09	-7.01	14.08	<=30	Pass	
3500	1		0	21.72	-7.01	14.71	<=30	Pass
			50	21.76	-7.01	14.75	<=30	Pass
			99	21.46	-7.01	14.45	<=30	Pass
	50		0	20.91	-7.01	13.90	<=30	Pass
			25	20.85	-7.01	13.84	<=30	Pass
			50	20.80	-7.01	13.79	<=30	Pass
100	0		20.84	-7.01	13.83	<=30	Pass	
3540	1		0	21.63	-7.01	14.62	<=30	Pass
			50	21.70	-7.01	14.69	<=30	Pass
			99	21.71	-7.01	14.70	<=30	Pass
	50		0	20.79	-7.01	13.78	<=30	Pass
			25	20.70	-7.01	13.69	<=30	Pass
			50	20.84	-7.01	13.83	<=30	Pass
100	0	20.75	-7.01	13.74	<=30	Pass		
64QAM	3460	1	0	21.05	-7.01	14.04	<=30	Pass
			50	21.00	-7.01	13.99	<=30	Pass
			99	20.77	-7.01	13.76	<=30	Pass
		50	0	20.11	-7.01	13.10	<=30	Pass
			25	20.07	-7.01	13.06	<=30	Pass
			50	19.91	-7.01	12.90	<=30	Pass
	100	0	20.04	-7.01	13.03	<=30	Pass	
	3500	1	0	20.65	-7.01	13.64	<=30	Pass
			50	20.67	-7.01	13.66	<=30	Pass
			99	20.69	-7.01	13.68	<=30	Pass
		50	0	19.95	-7.01	12.94	<=30	Pass
			25	19.86	-7.01	12.85	<=30	Pass
			50	19.79	-7.01	12.78	<=30	Pass
	100	0	19.83	-7.01	12.82	<=30	Pass	
	3540	1	0	20.68	-7.01	13.67	<=30	Pass
			50	20.77	-7.01	13.76	<=30	Pass
			99	20.69	-7.01	13.68	<=30	Pass
		50	0	19.79	-7.01	12.78	<=30	Pass
25			19.65	-7.01	12.64	<=30	Pass	
50			19.81	-7.01	12.80	<=30	Pass	
100	0	19.74	-7.01	12.73	<=30	Pass		
256QAM	3460	1	0	17.78	-7.01	10.77	<=30	Pass
			50	17.70	-7.01	10.69	<=30	Pass

			99	17.62	-7.01	10.61	<=30	Pass
		50	0	17.98	-7.01	10.97	<=30	Pass
			25	17.93	-7.01	10.92	<=30	Pass
			50	17.81	-7.01	10.80	<=30	Pass
		100	0	17.94	-7.01	10.93	<=30	Pass
	3500	1	0	17.66	-7.01	10.65	<=30	Pass
			50	17.61	-7.01	10.60	<=30	Pass
			99	17.51	-7.01	10.50	<=30	Pass
		50	0	17.75	-7.01	10.74	<=30	Pass
			25	17.79	-7.01	10.78	<=30	Pass
			50	17.71	-7.01	10.70	<=30	Pass
		100	0	17.77	-7.01	10.76	<=30	Pass
		3540	1	0	17.53	-7.01	10.52	<=30
	50			17.71	-7.01	10.70	<=30	Pass
	99			17.51	-7.01	10.50	<=30	Pass
	50		0	17.67	-7.01	10.66	<=30	Pass
			25	17.73	-7.01	10.72	<=30	Pass
			50	17.73	-7.01	10.72	<=30	Pass
	100		0	17.68	-7.01	10.67	<=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	-4.100	-0.0012	-2.5 to 2.5	Pass
					NV	-5.300	-0.0015	-2.5 to 2.5	Pass
					HV	-1.200	-0.0003	-2.5 to 2.5	Pass
				-30	NV	-4.000	-0.0011	-2.5 to 2.5	Pass
				-20	NV	-1.400	-0.0004	-2.5 to 2.5	Pass
				-10	NV	-1.000	-0.0003	-2.5 to 2.5	Pass
				0	NV	-7.800	-0.0022	-2.5 to 2.5	Pass
				10	NV	-3.600	-0.0010	-2.5 to 2.5	Pass
				30	NV	-0.400	-0.0001	-2.5 to 2.5	Pass
				40	NV	-3.000	-0.0009	-2.5 to 2.5	Pass
				50	NV	-2.100	-0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band42a_OBW

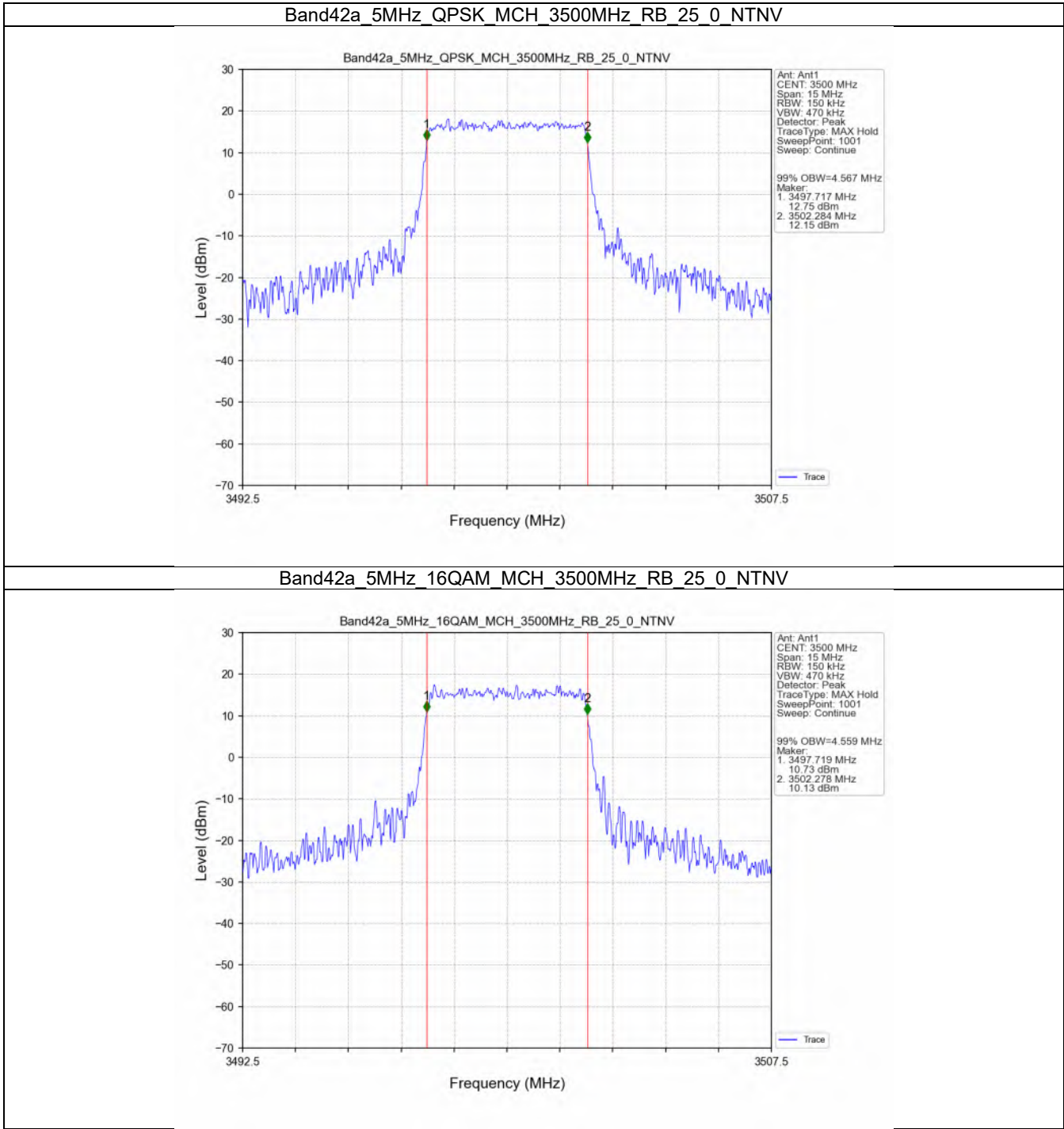
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	4.567	/	Pass
	16QAM	3500	25	0	4.559	/	Pass
	64QAM	3500	25	0	4.566	/	Pass
	256QAM	3500	25	0	4.559	/	Pass
10	QPSK	3500	50	0	9.103	/	Pass
	16QAM	3500	50	0	9.117	/	Pass
	64QAM	3500	50	0	9.109	/	Pass
	256QAM	3500	50	0	9.091	/	Pass
15	QPSK	3500	75	0	13.626	/	Pass
	16QAM	3500	75	0	13.645	/	Pass
	64QAM	3500	75	0	13.604	/	Pass
	256QAM	3500	75	0	13.635	/	Pass
20	QPSK	3500	100	0	18.183	/	Pass
	16QAM	3500	100	0	18.144	/	Pass
	64QAM	3500	100	0	18.136	/	Pass
	256QAM	3500	100	0	18.165	/	Pass

3.1.2 Band42a_XDB

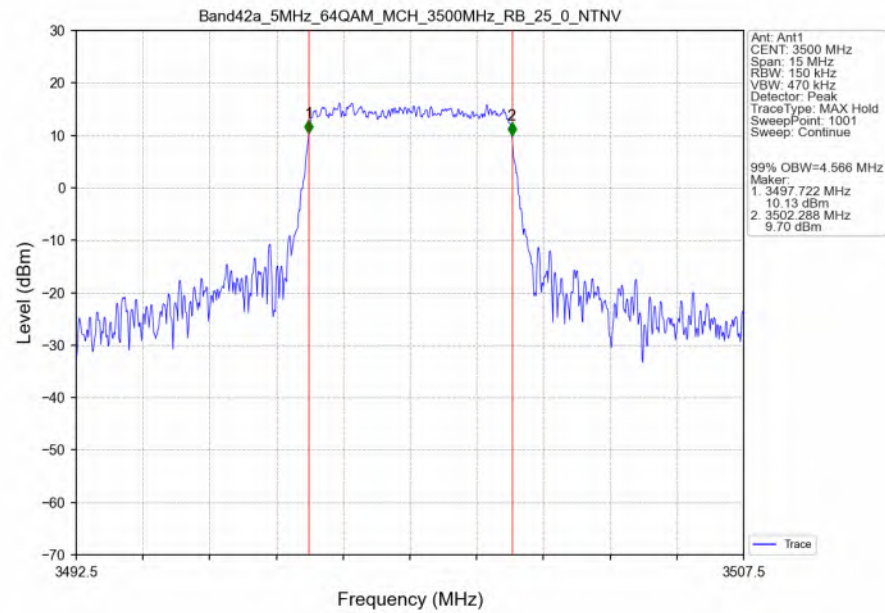
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	5.485	/	Pass
	16QAM	3500	25	0	5.486	/	Pass
	64QAM	3500	25	0	5.362	/	Pass
	256QAM	3500	25	0	5.478	/	Pass
10	QPSK	3500	50	0	10.668	/	Pass
	16QAM	3500	50	0	10.522	/	Pass
	64QAM	3500	50	0	10.555	/	Pass
	256QAM	3500	50	0	10.547	/	Pass
15	QPSK	3500	75	0	16.142	/	Pass
	16QAM	3500	75	0	16.346	/	Pass
	64QAM	3500	75	0	16.342	/	Pass
	256QAM	3500	75	0	15.618	/	Pass
20	QPSK	3500	100	0	20.686	/	Pass
	16QAM	3500	100	0	20.777	/	Pass
	64QAM	3500	100	0	21.479	/	Pass
	256QAM	3500	100	0	21.518	/	Pass

3.2 Test Graph

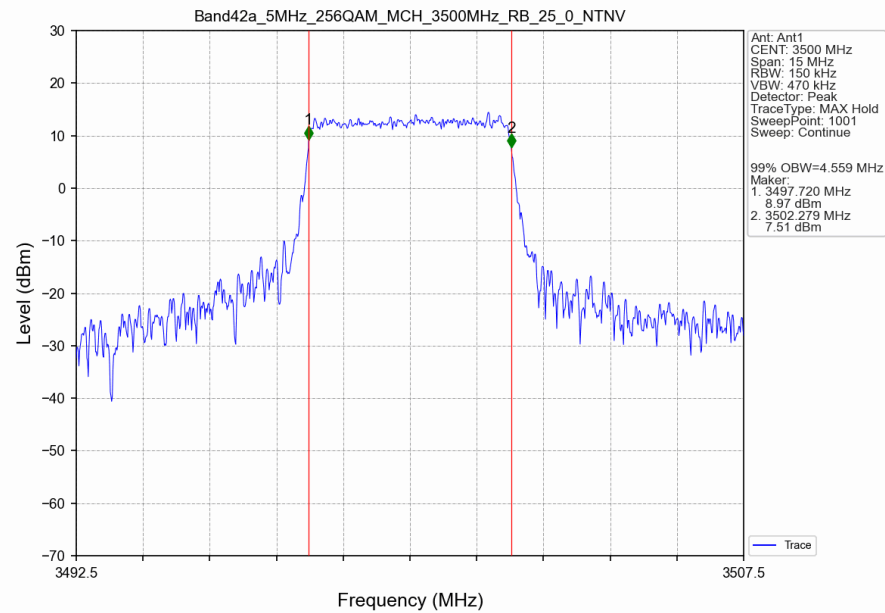
3.2.1 Band42a_OBW



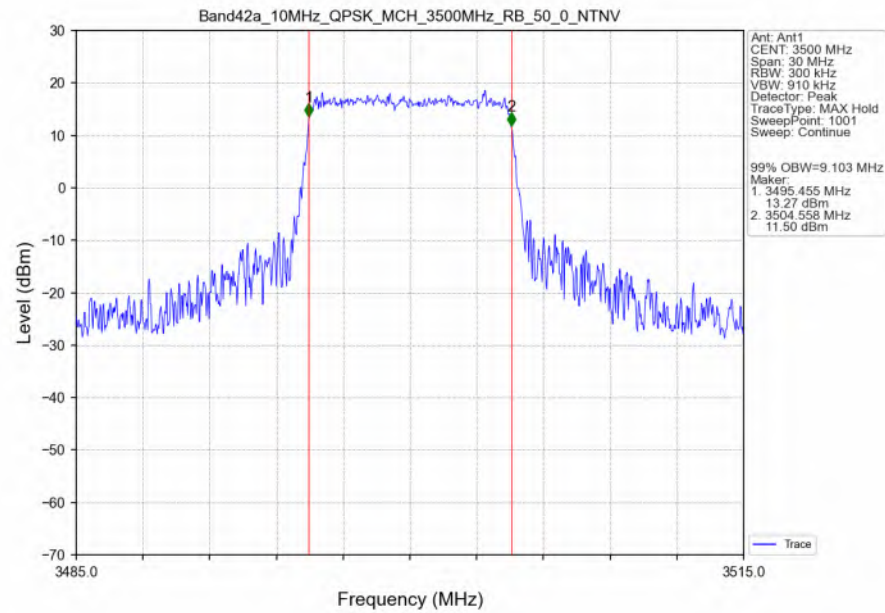
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTNV



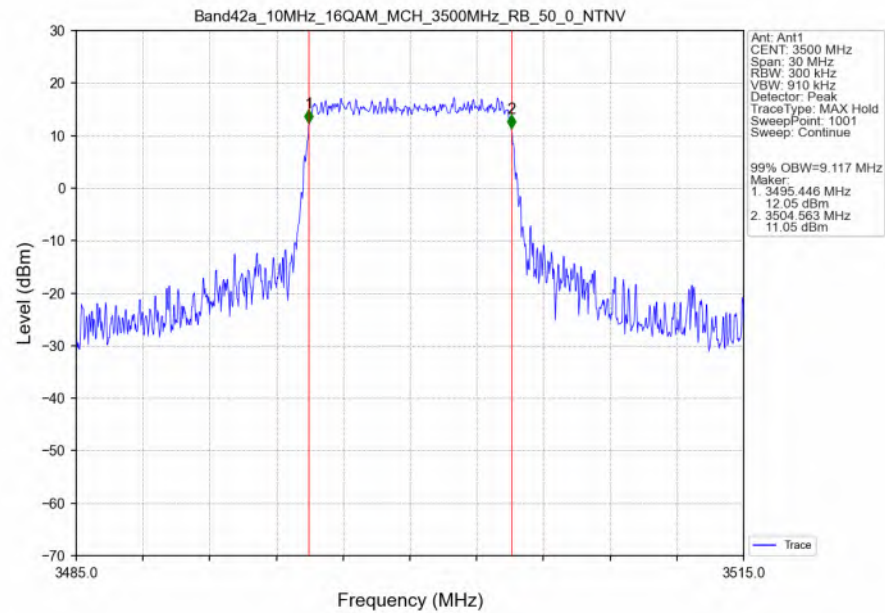
Band42a 5MHz 256QAM MCH 3500MHz RB 25 0 NTNV



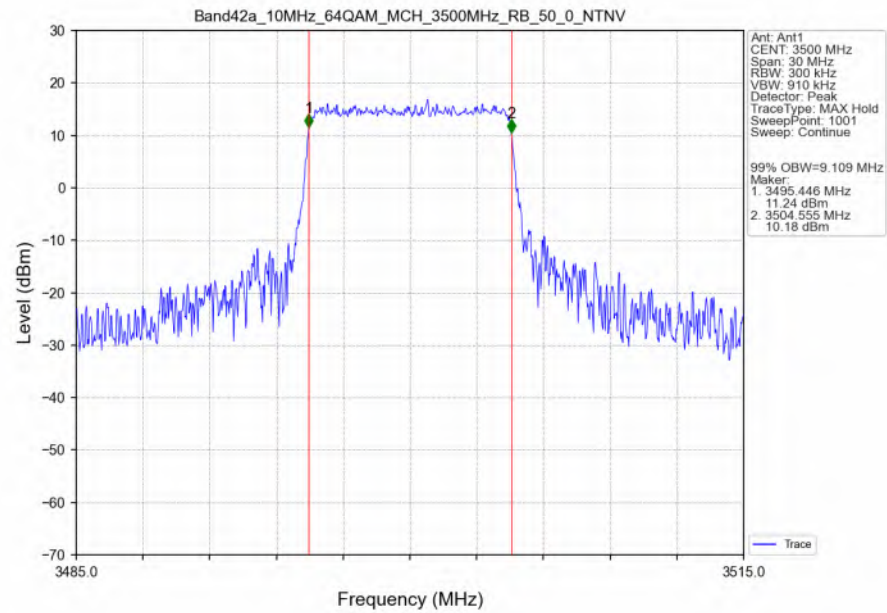
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTV



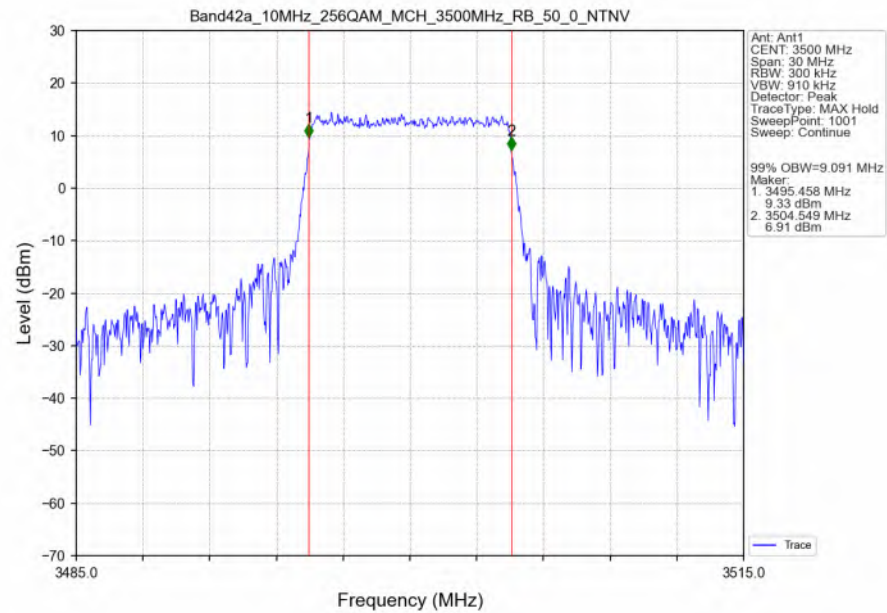
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTV



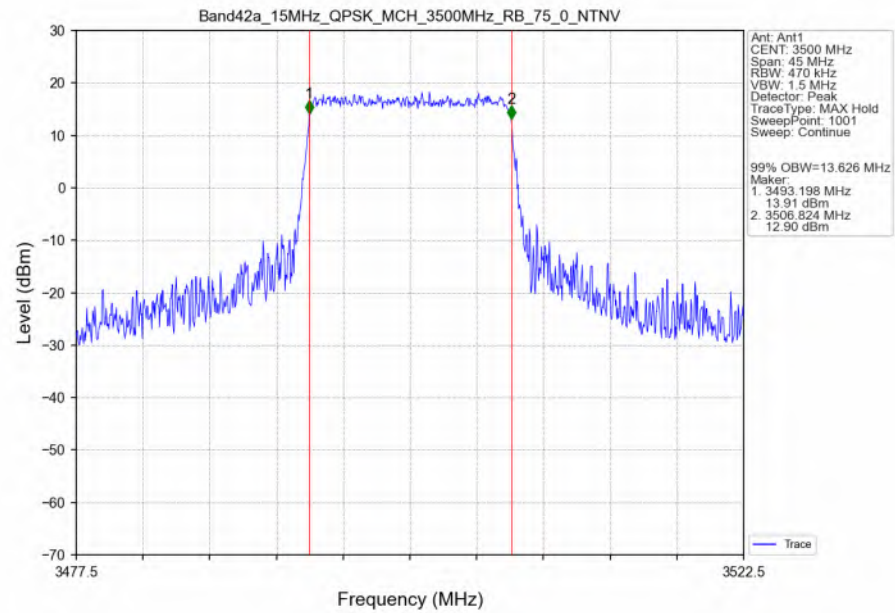
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTV



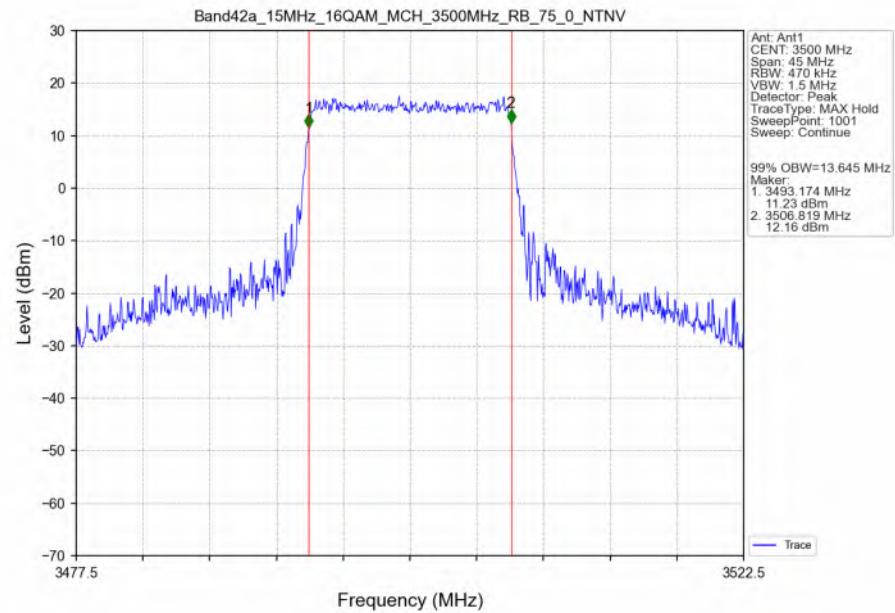
Band42a 10MHz 256QAM MCH 3500MHz RB 50 0 NTV



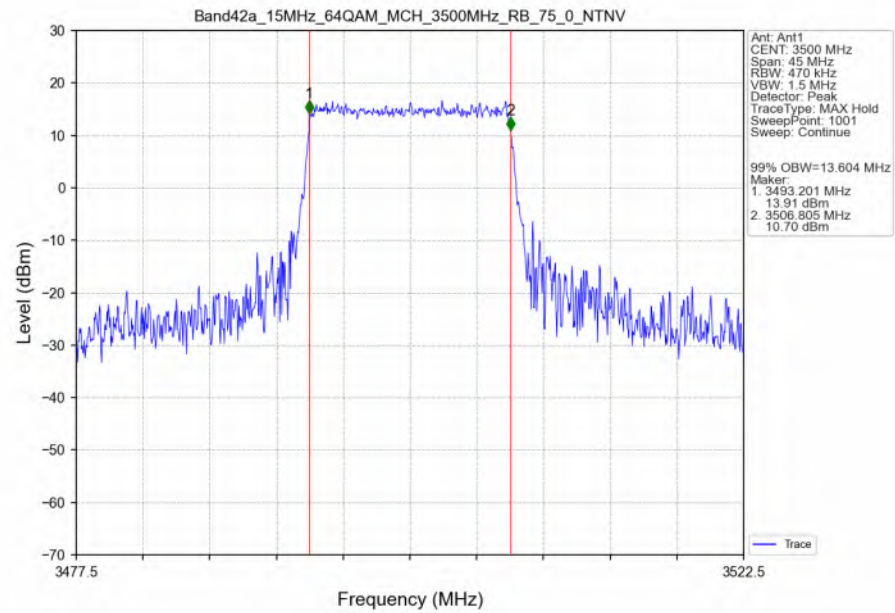
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTV



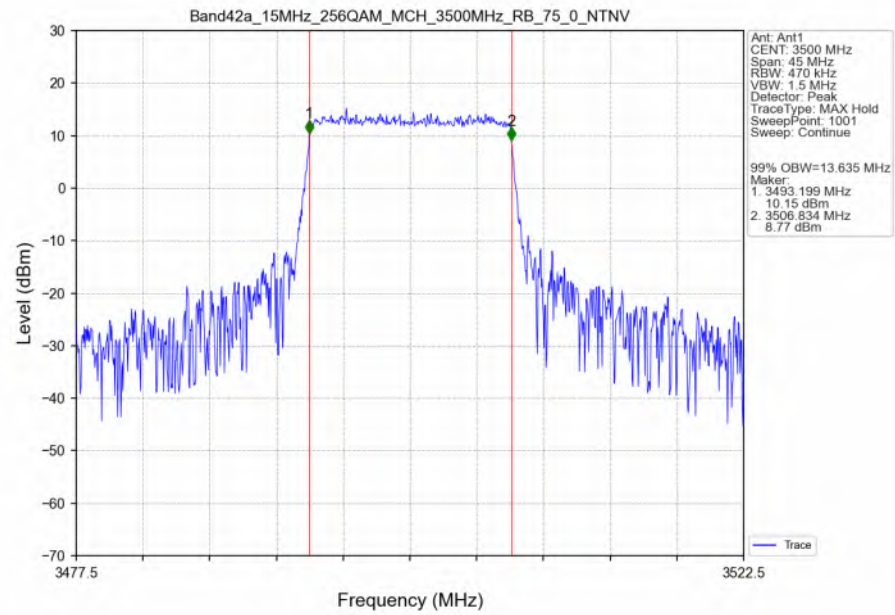
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTV



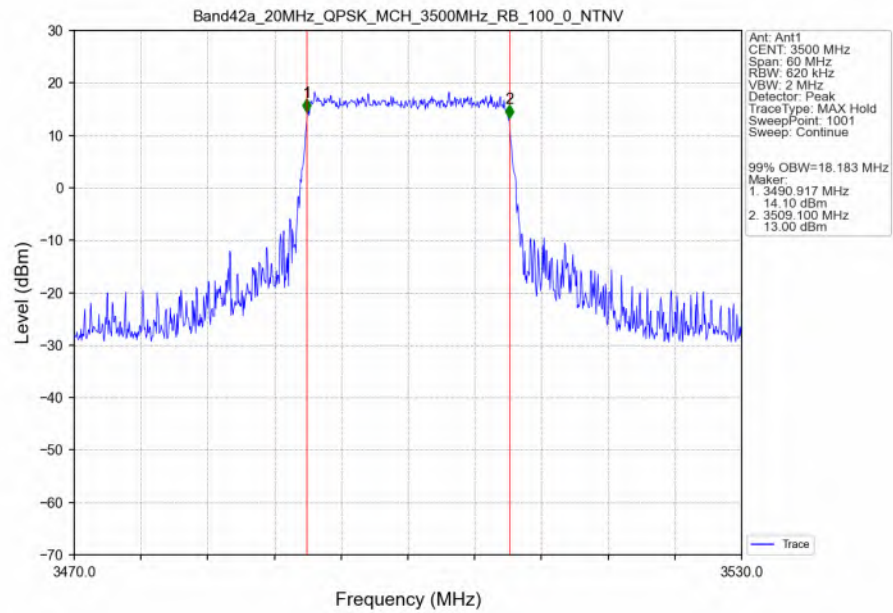
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTV



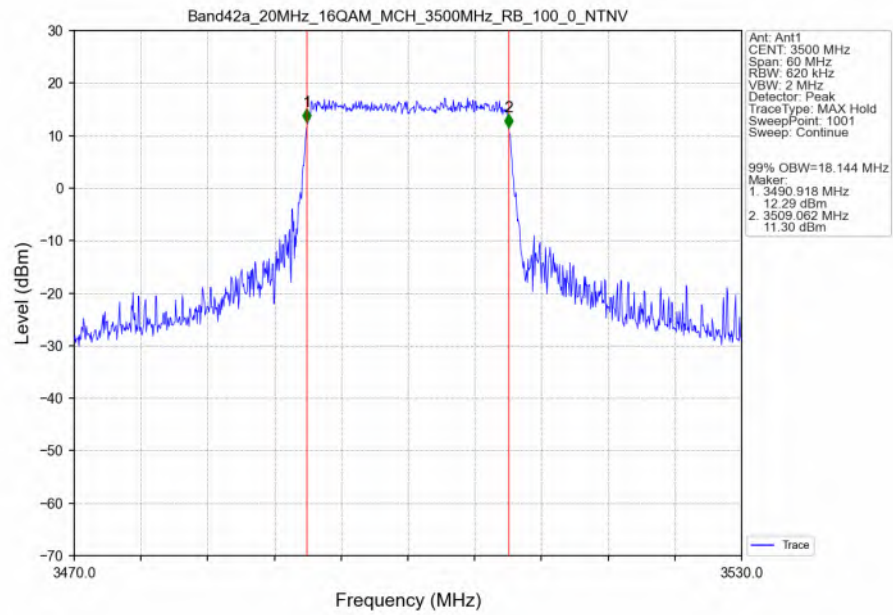
Band42a 15MHz 256QAM MCH 3500MHz RB 75 0 NTV



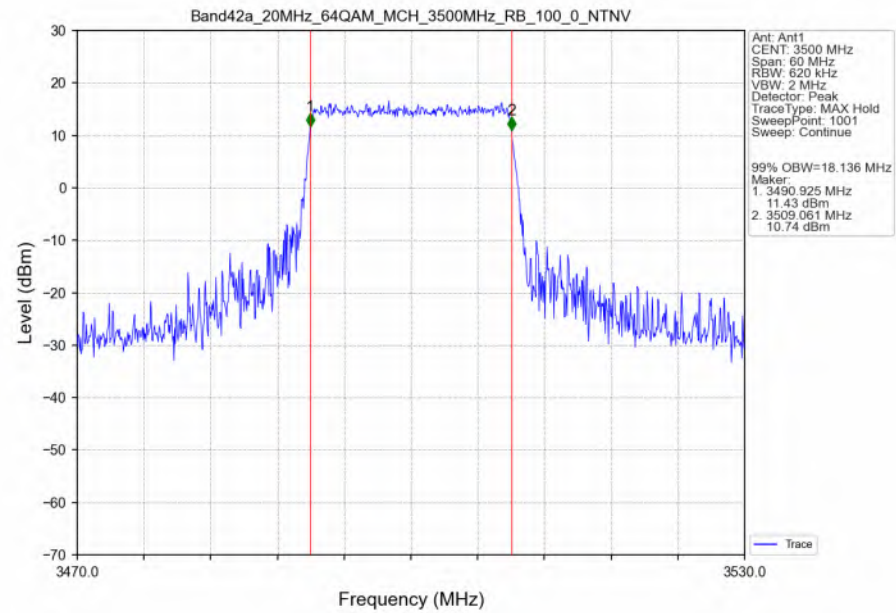
Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTV



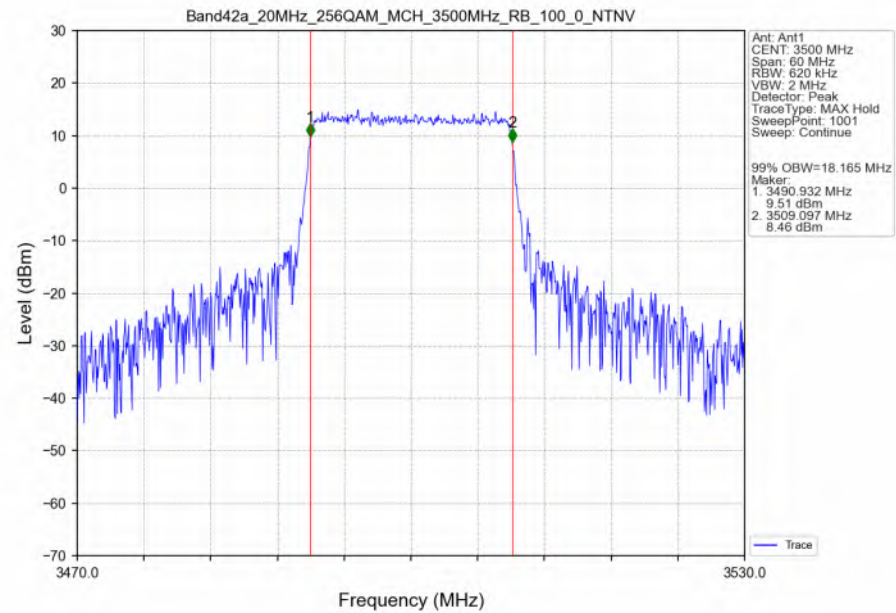
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTV



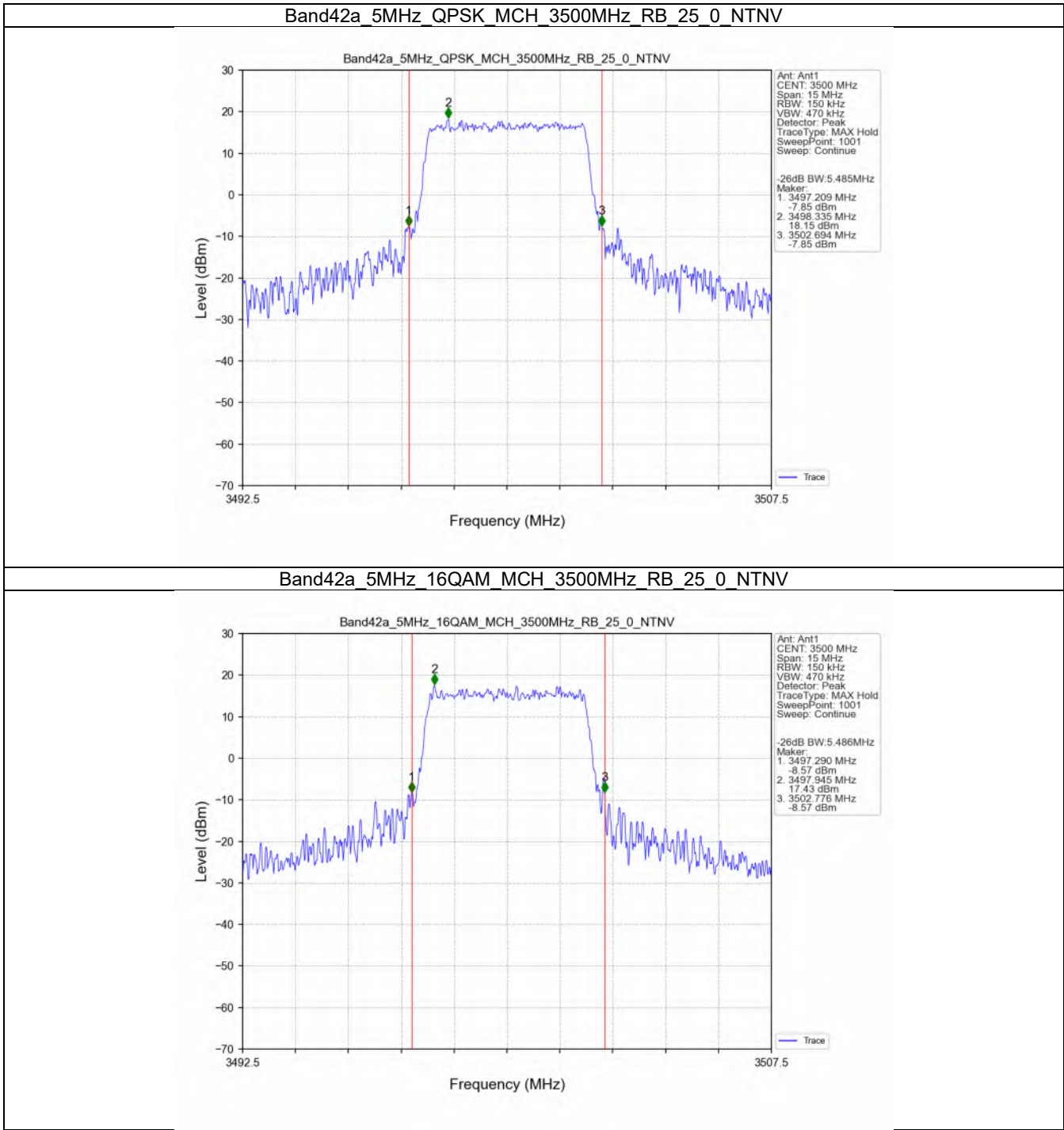
Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTV



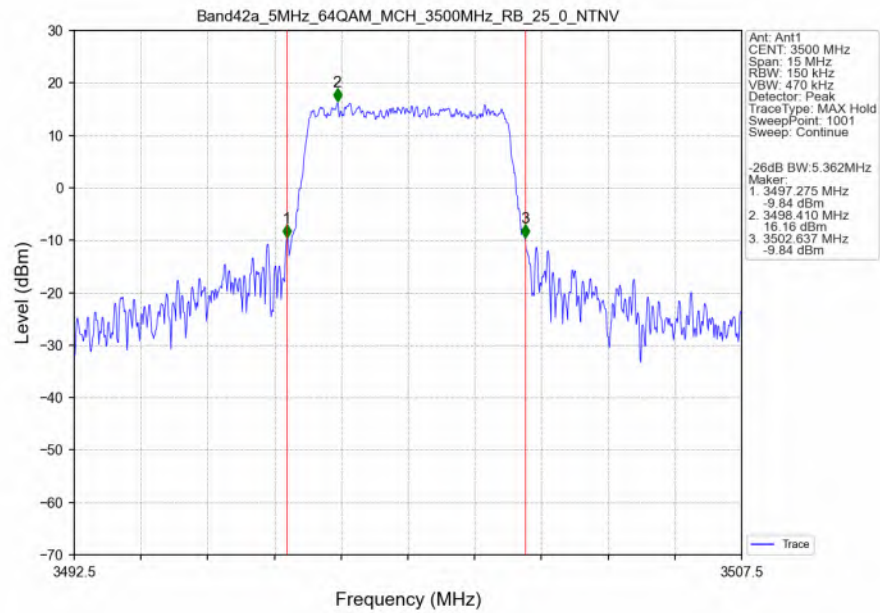
Band42a 20MHz 256QAM MCH 3500MHz RB 100 0 NTV



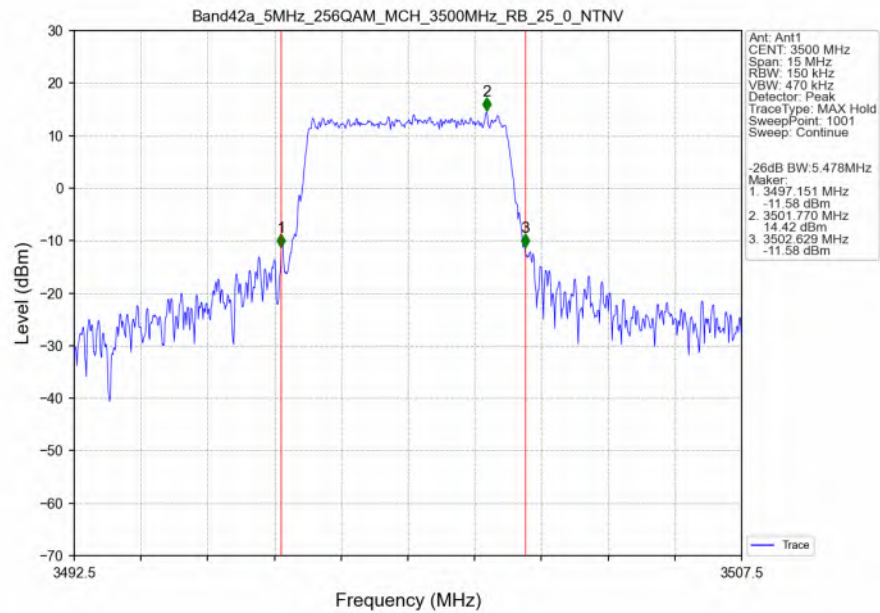
3.2.2 Band42a_XDB



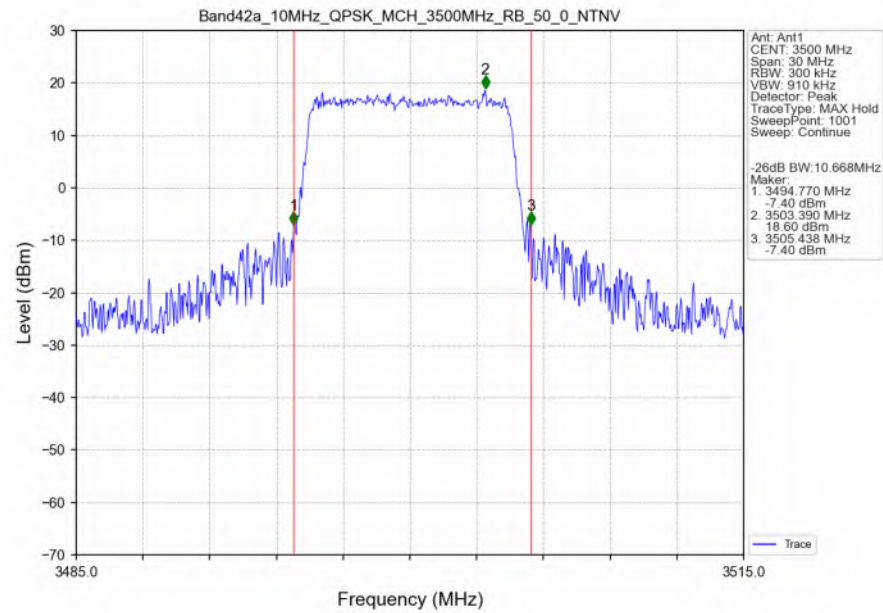
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTNV



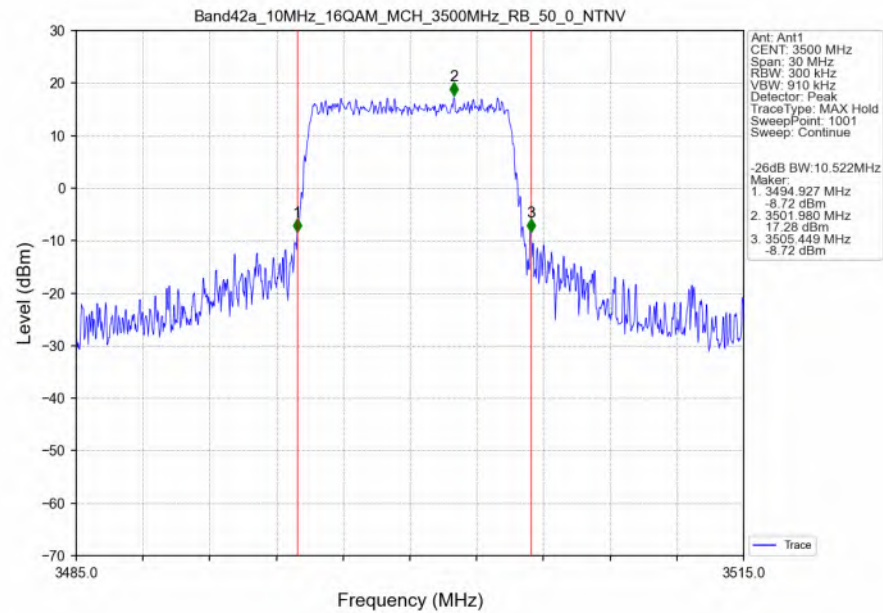
Band42a 5MHz 256QAM MCH 3500MHz RB 25 0 NTNV



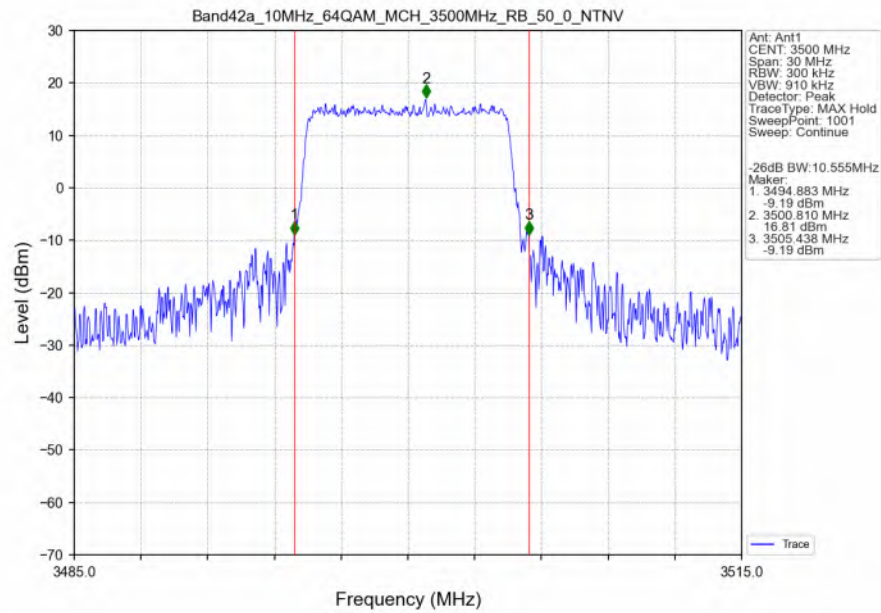
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTV



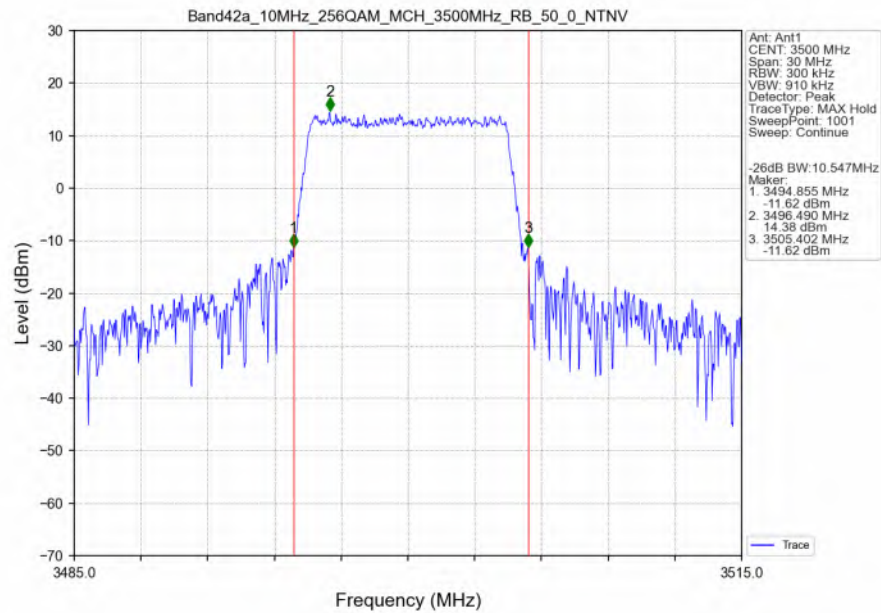
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTV



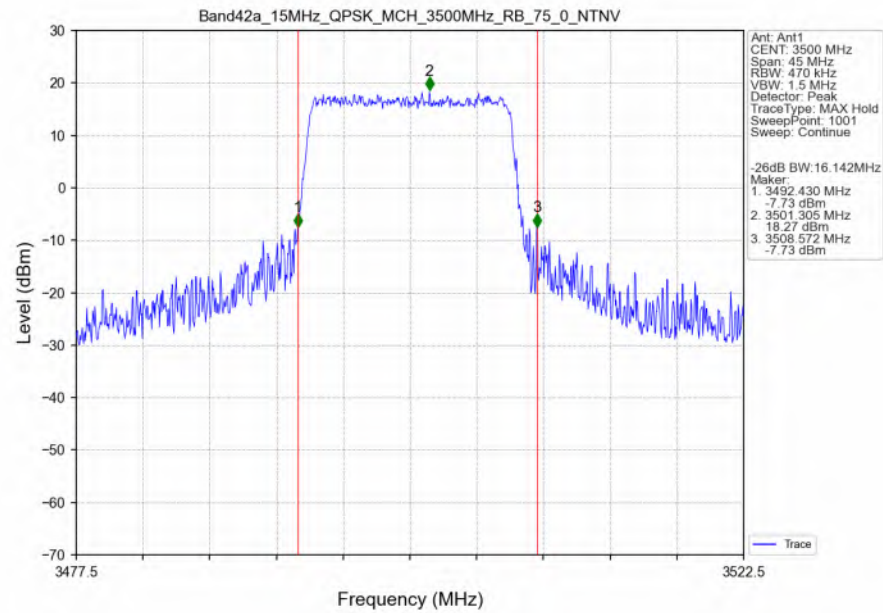
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTV



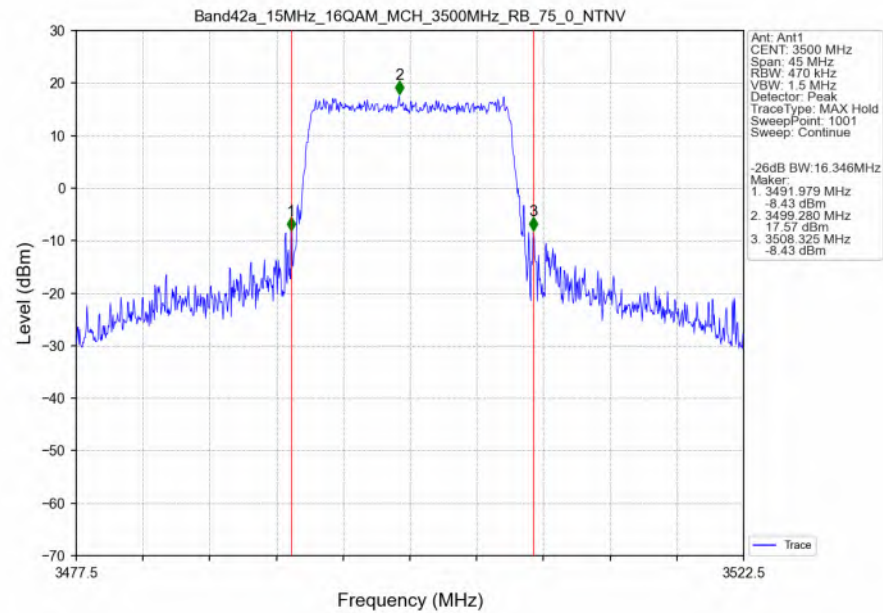
Band42a 10MHz 256QAM MCH 3500MHz RB 50 0 NTV



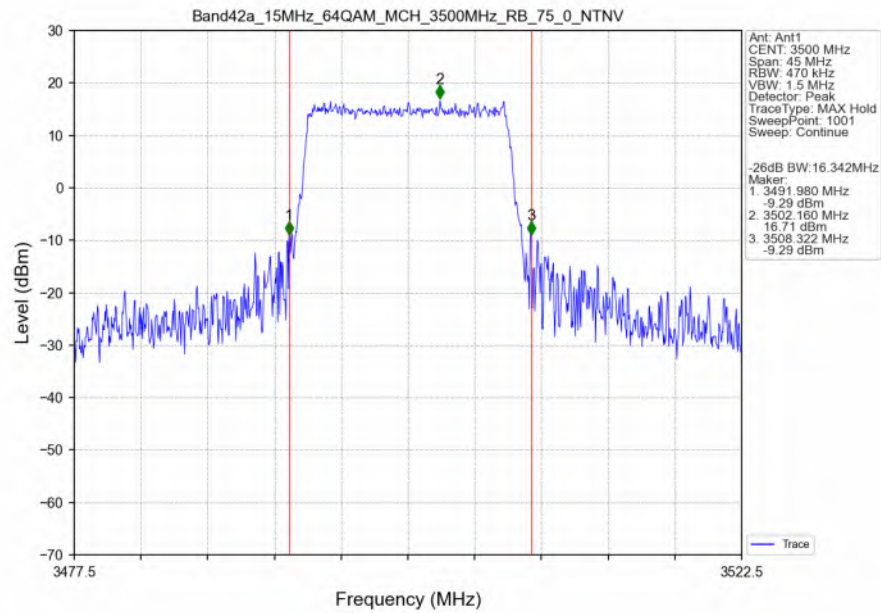
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTNV



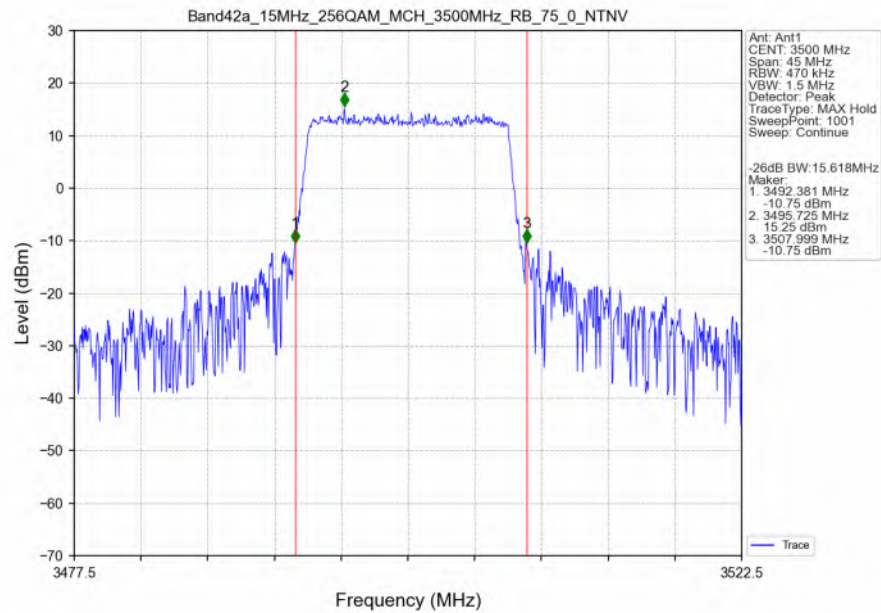
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTNV



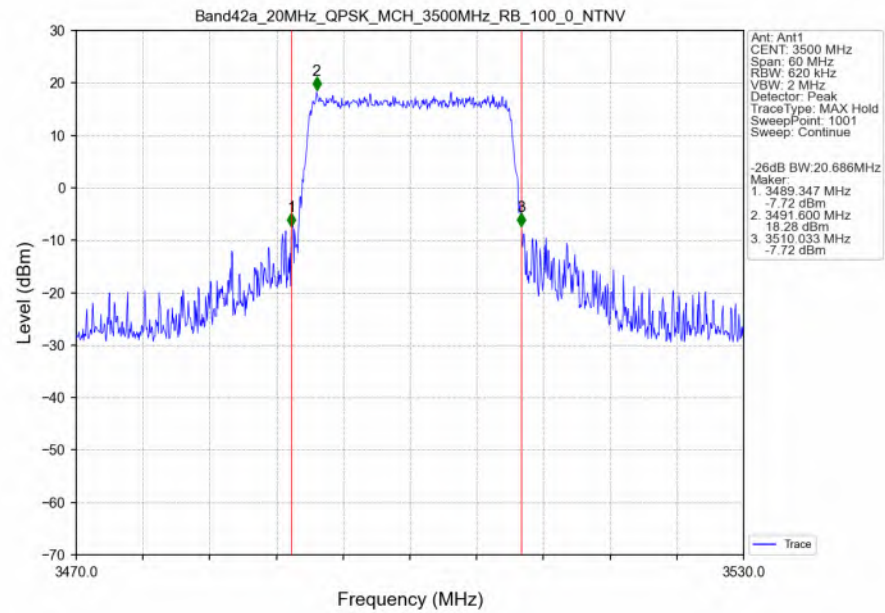
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTV



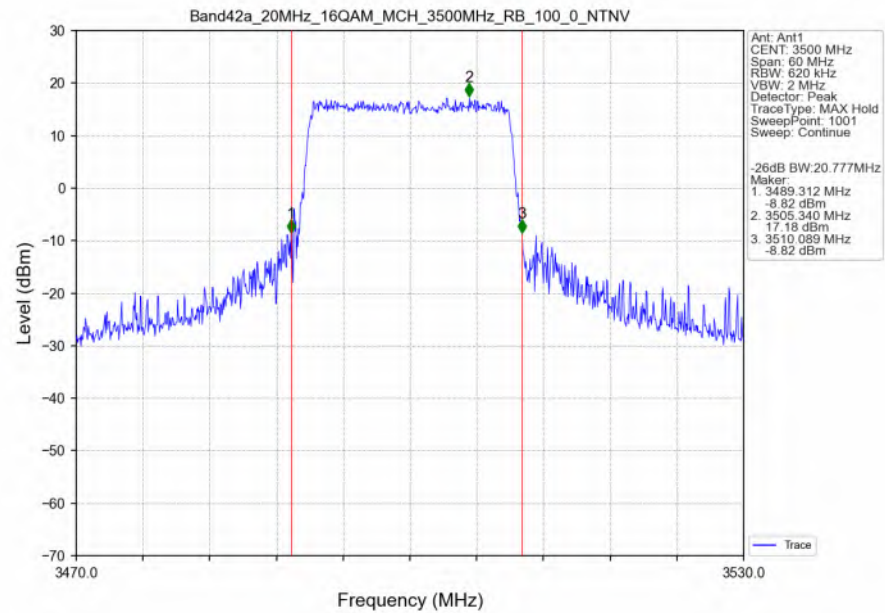
Band42a 15MHz 256QAM MCH 3500MHz RB 75 0 NTV



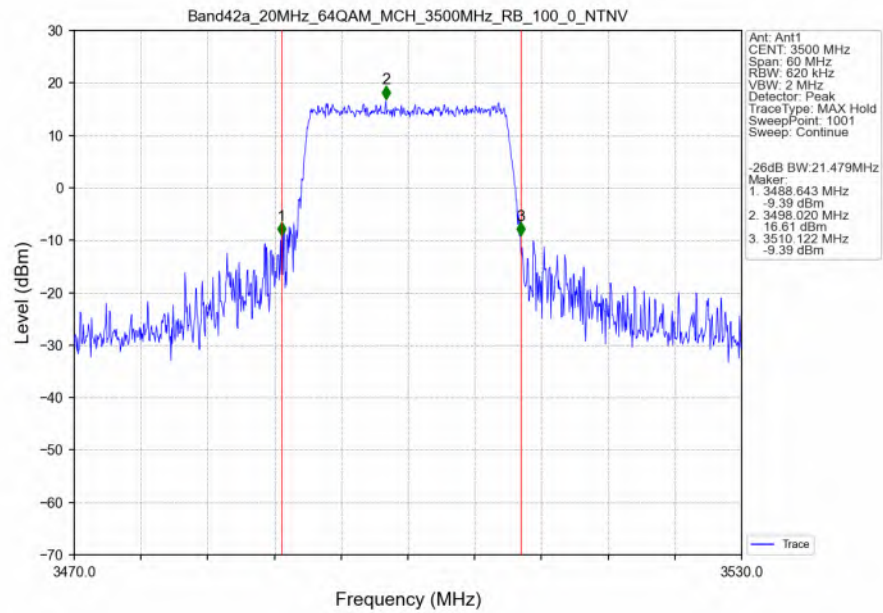
Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTV



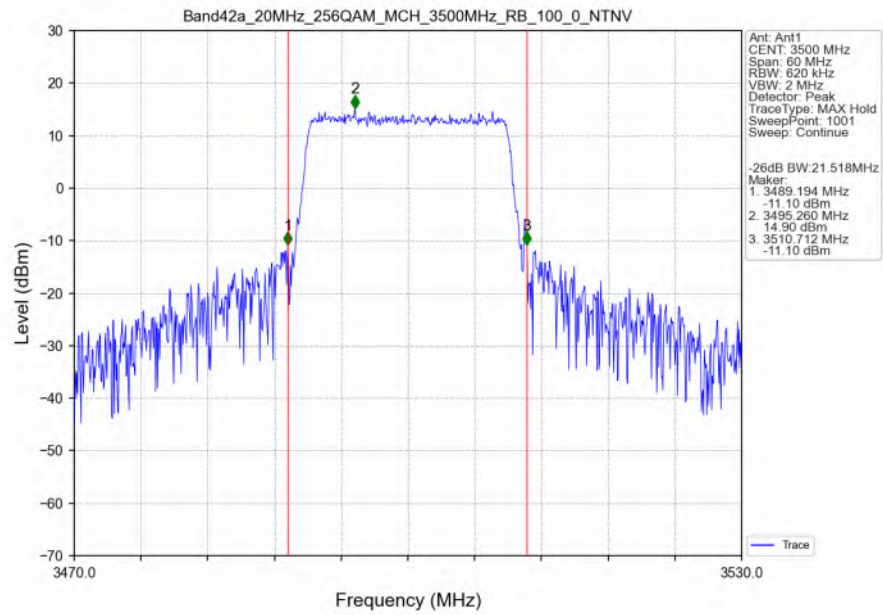
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTV



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



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



4. Peak-Average Ratio

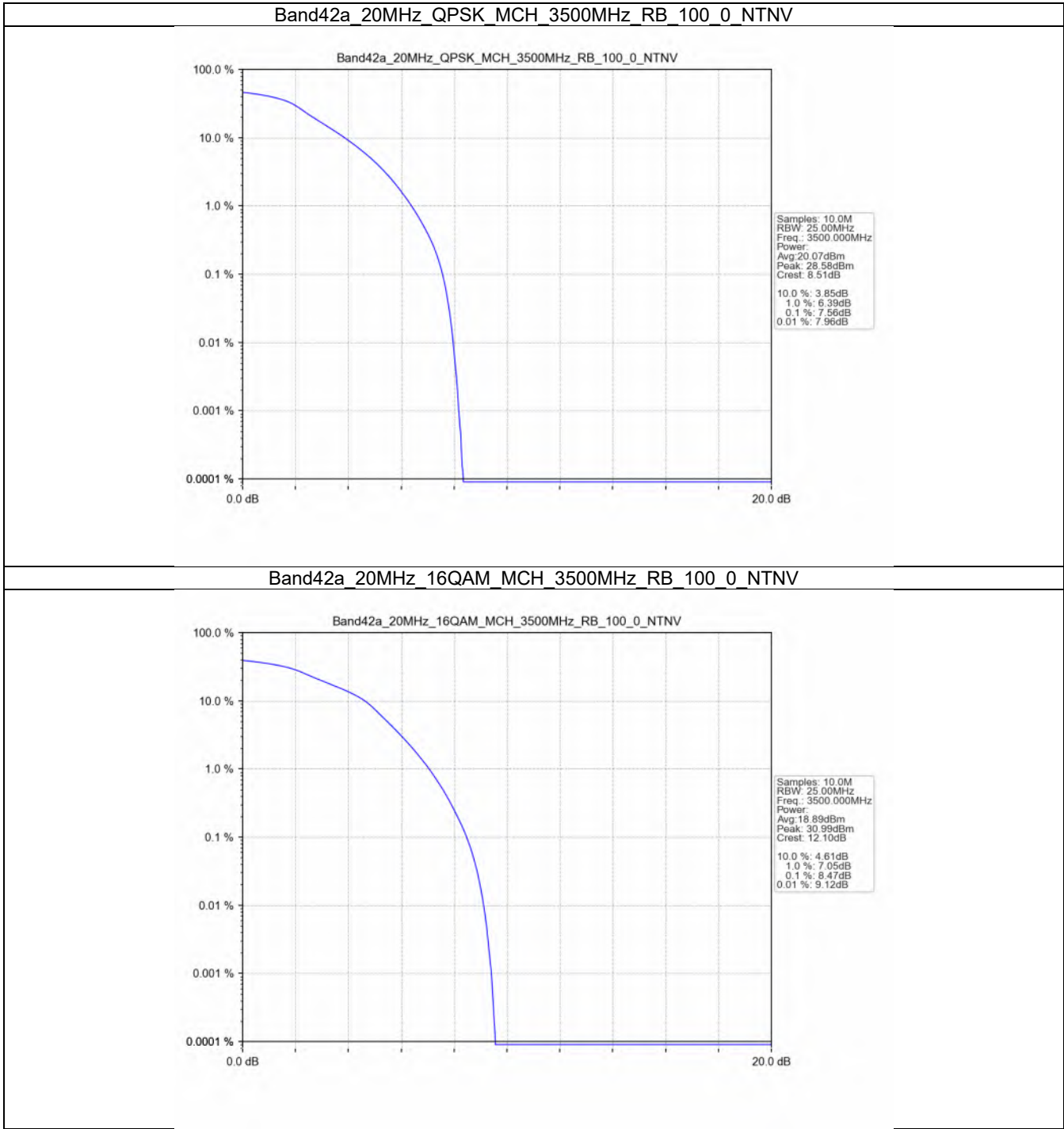
4.1 Test Result

4.1.1 B42a_20MHz

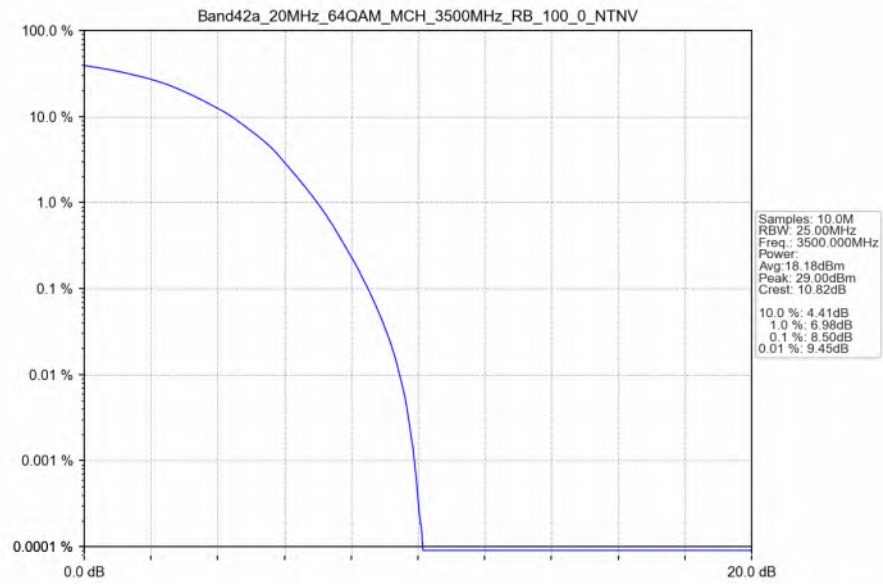
Band: 42a / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3500	100	0	7.56	<=13	Pass
16QAM	3500	100	0	8.47	<=13	Pass
64QAM	3500	100	0	8.50	<=13	Pass
256QAM	3500	100	0	8.62	<=13	Pass

4.2 Test Graph

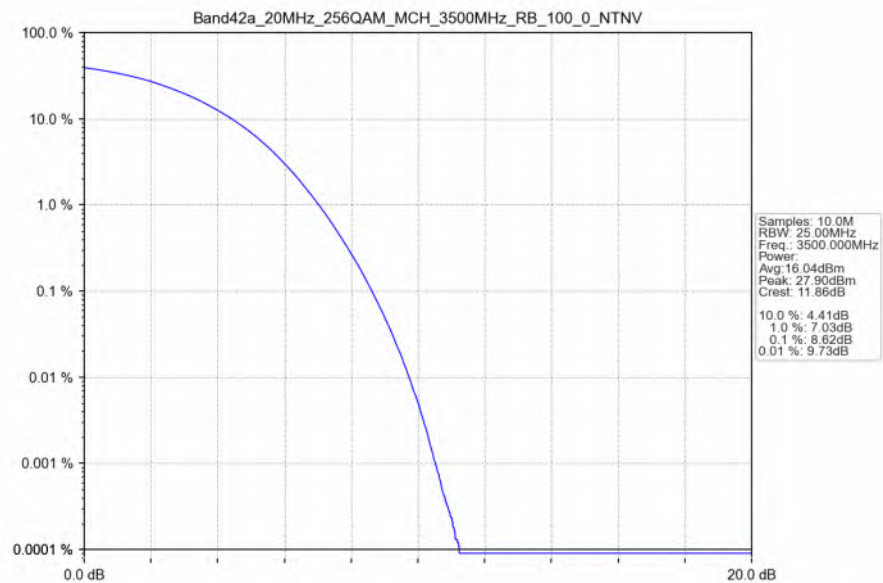
4.2.1 B42a_20MHz



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



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



5. Spurious Emission

5.1 Test Result

5.1.1 B42a_5MHz

Band: 42a / Bandwidth: 5MHz / NTV						
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

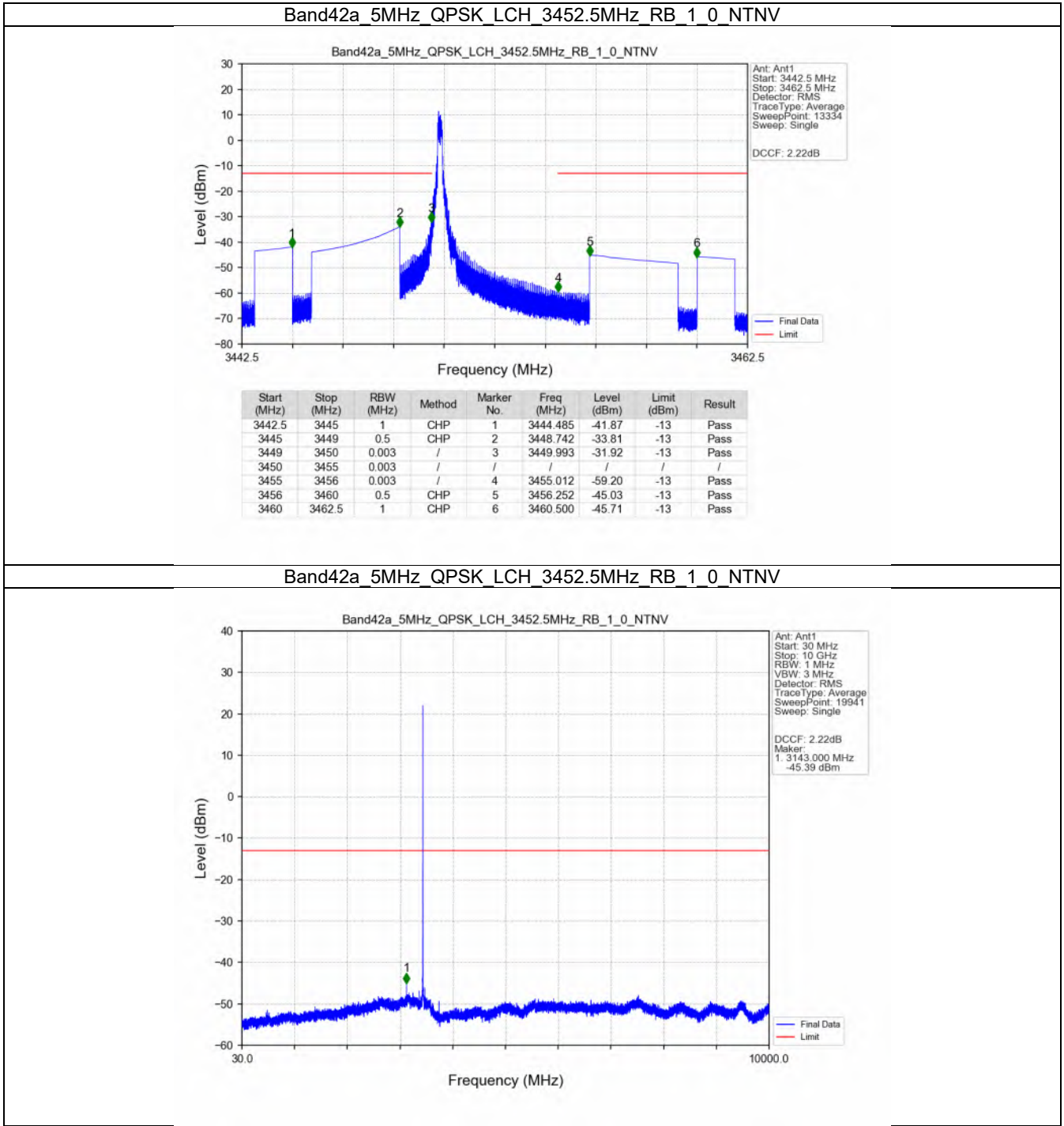
Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3542.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B42a_20MHz

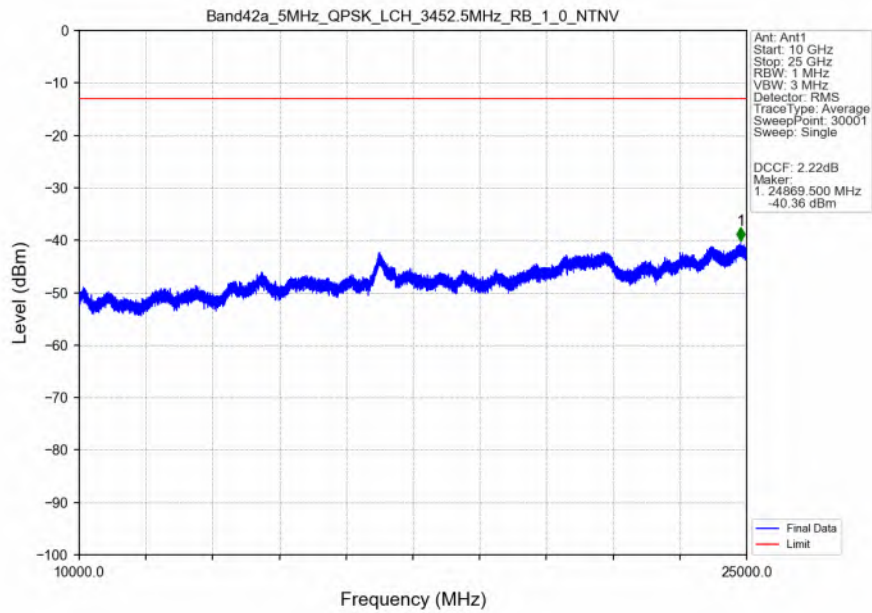
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

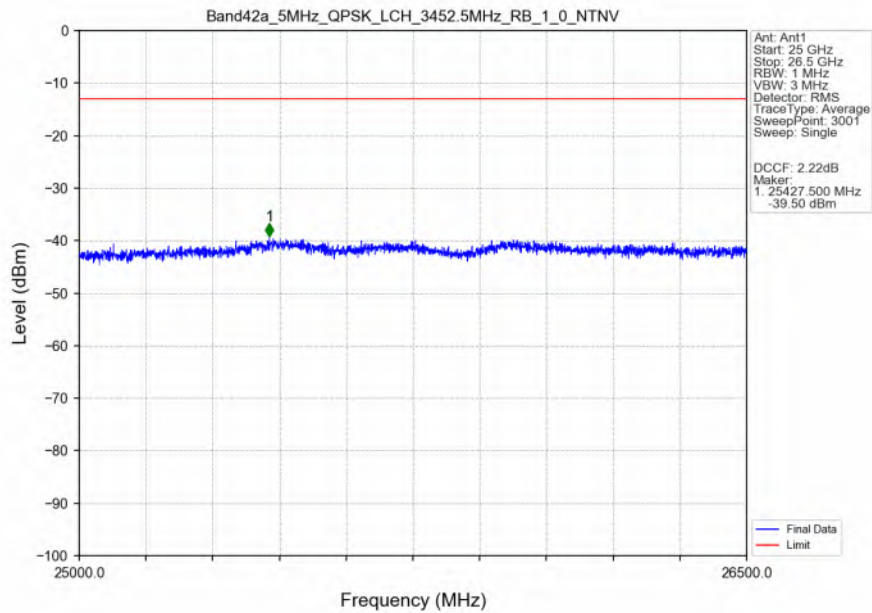
5.2.1 B42a_5MHz



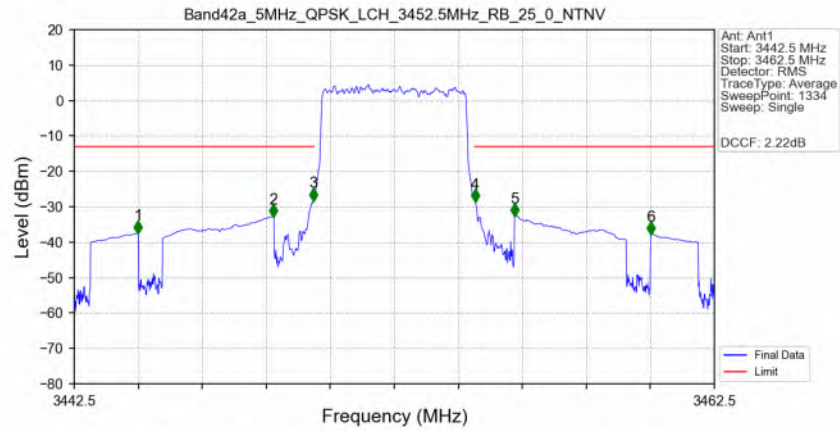
Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTV



Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTV

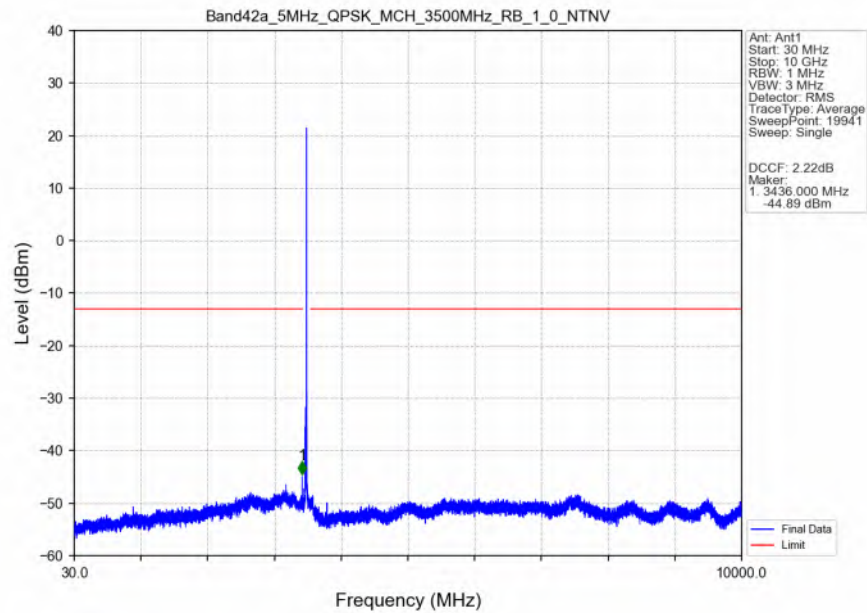


Band42a 5MHz QPSK LCH 3452.5MHz RB 25 0 NTNV

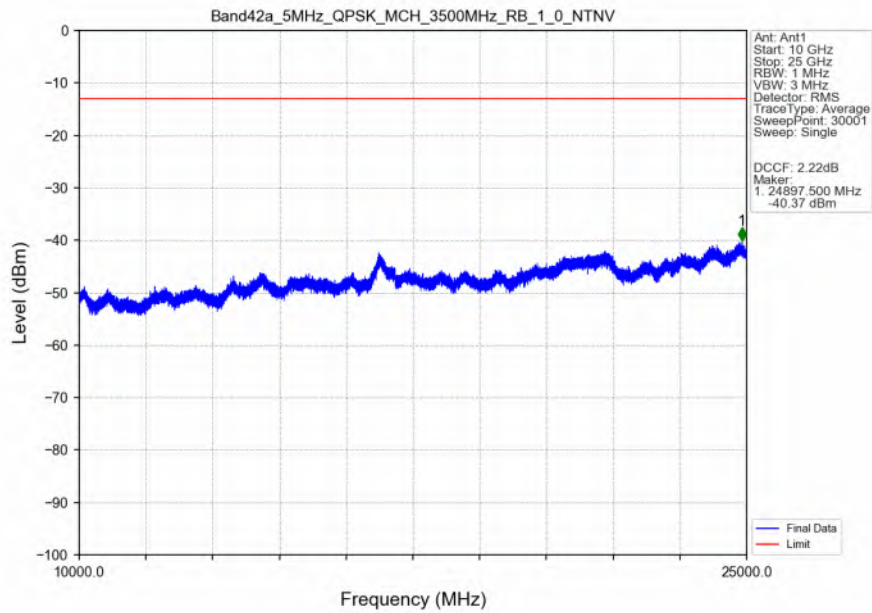


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3442.5	3445	1	CHP	1	3444.495	-37.28	-13	Pass
3445	3449	0.5	CHP	2	3448.712	-32.71	-13	Pass
3449	3450	0.055	CHP	3	3449.972	-28.11	-13	Pass
3450	3455	0.055	CHP	/	/	/	/	/
3455	3456	0.055	CHP	4	3455.028	-28.38	-13	Pass
3456	3460	0.5	CHP	5	3456.258	-32.50	-13	Pass
3460	3462.5	1	CHP	6	3460.520	-37.63	-13	Pass

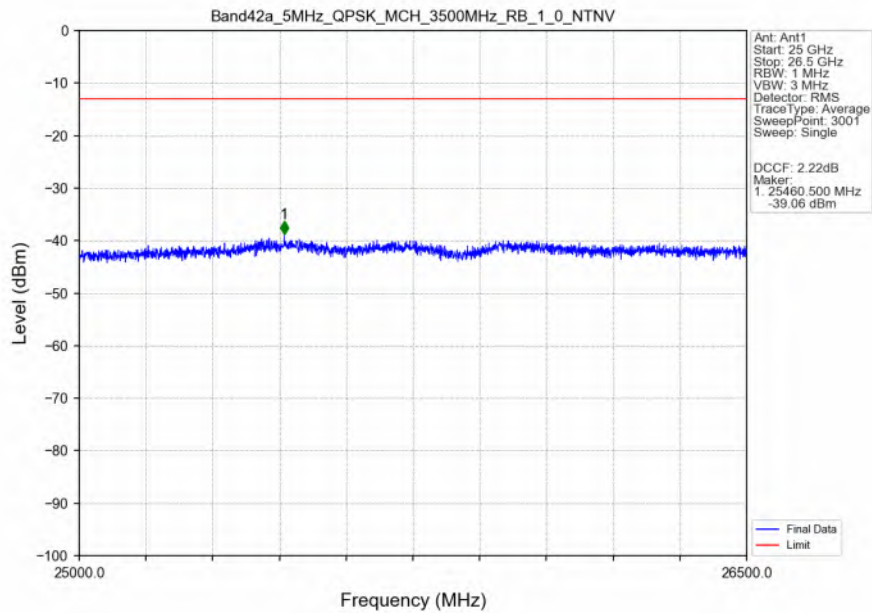
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



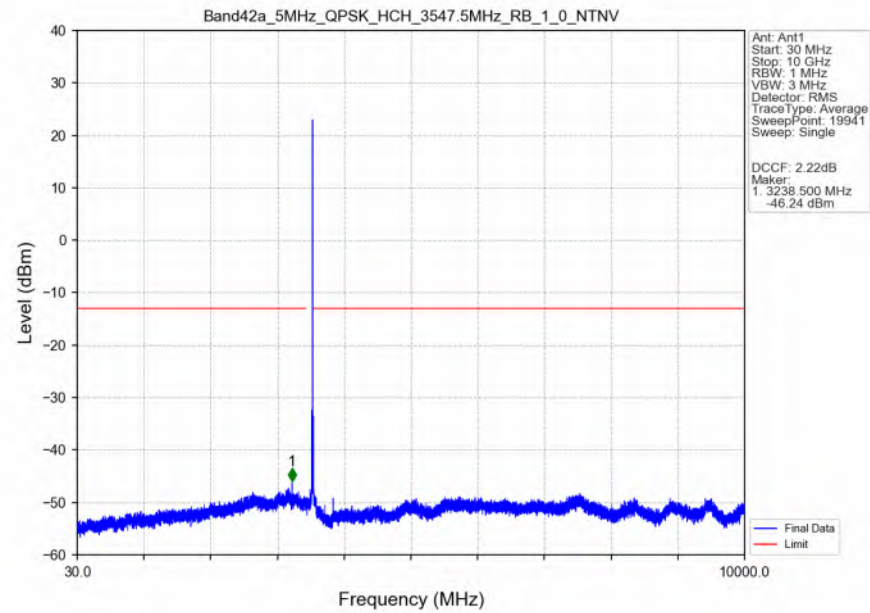
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



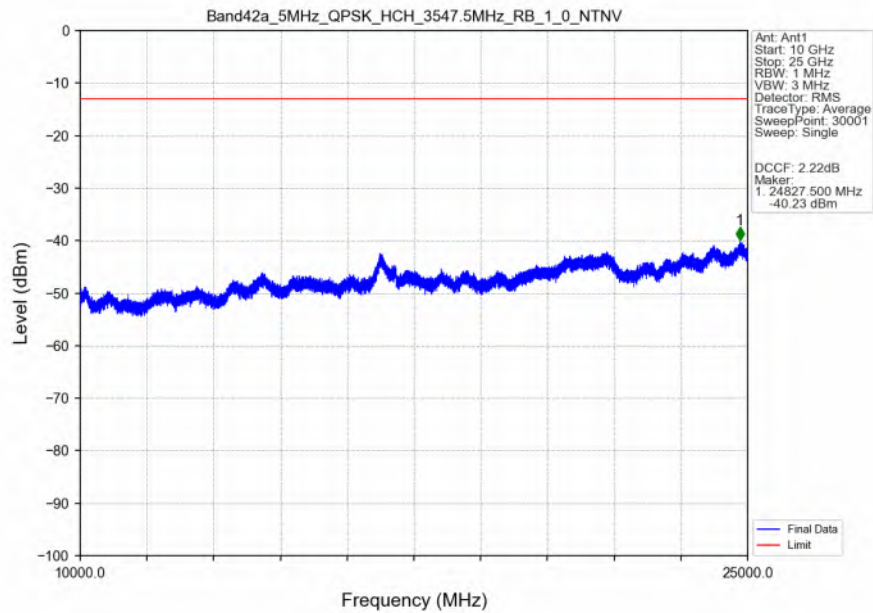
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



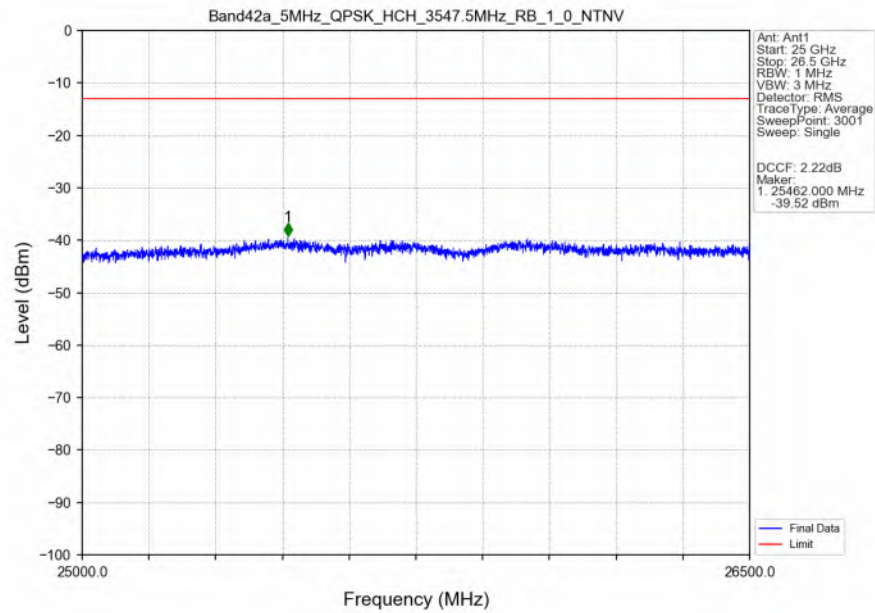
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTV



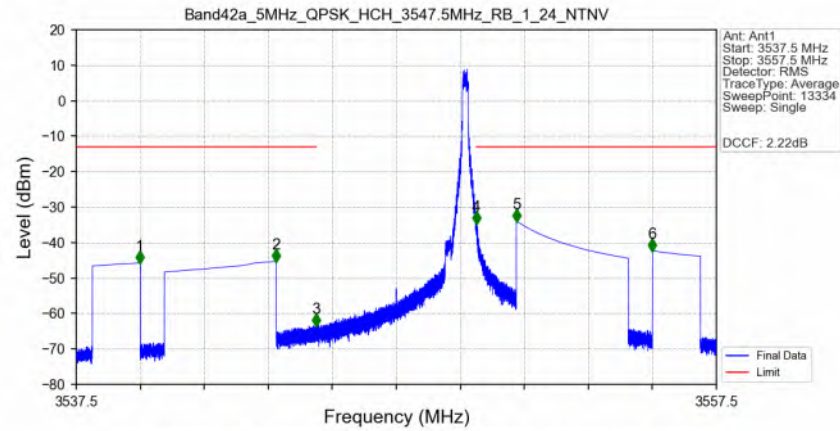
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTV



Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV

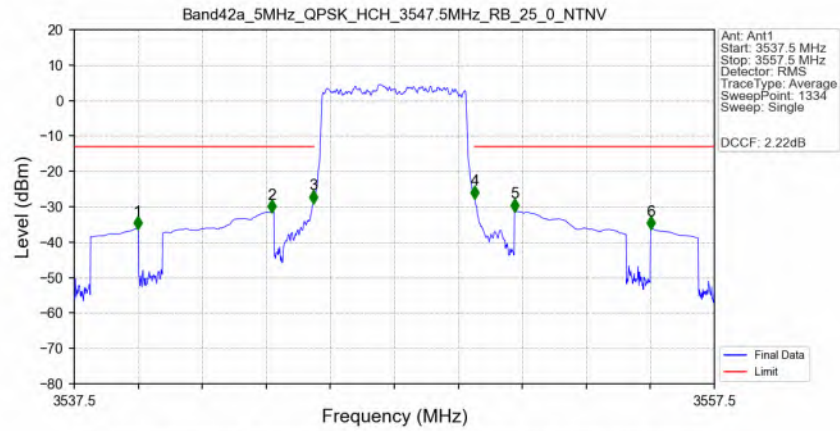


Band42a 5MHz QPSK HCH 3547.5MHz RB 1 24 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.482	-45.74	-13	Pass
3540	3544	0.5	CHP	2	3543.736	-45.27	-13	Pass
3544	3545	0.003	/	3	3544.993	-63.44	-13	Pass
3545	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.001	-34.55	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-33.90	-13	Pass
3555	3557.5	1	CHP	6	3555.500	-42.33	-13	Pass

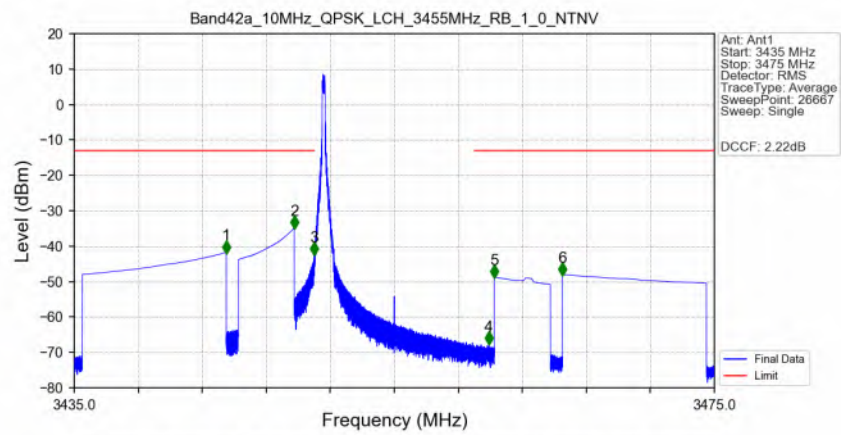
Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.480	-36.07	-13	Pass
3540	3544	0.5	CHP	2	3543.667	-31.41	-13	Pass
3544	3545	0.055	CHP	3	3544.972	-28.70	-13	Pass
3545	3550	0.055	CHP	/	/	/	/	/
3550	3551	0.055	CHP	4	3550.013	-27.44	-13	Pass
3551	3555	0.5	CHP	5	3551.258	-31.06	-13	Pass
3555	3557.5	1	CHP	6	3555.505	-36.10	-13	Pass

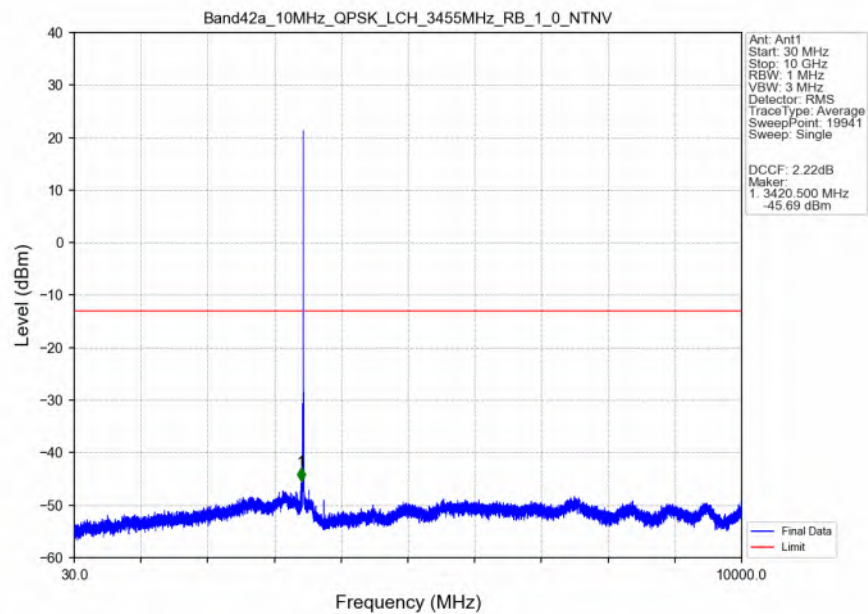
5.2.2 B42a_10MHz

Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

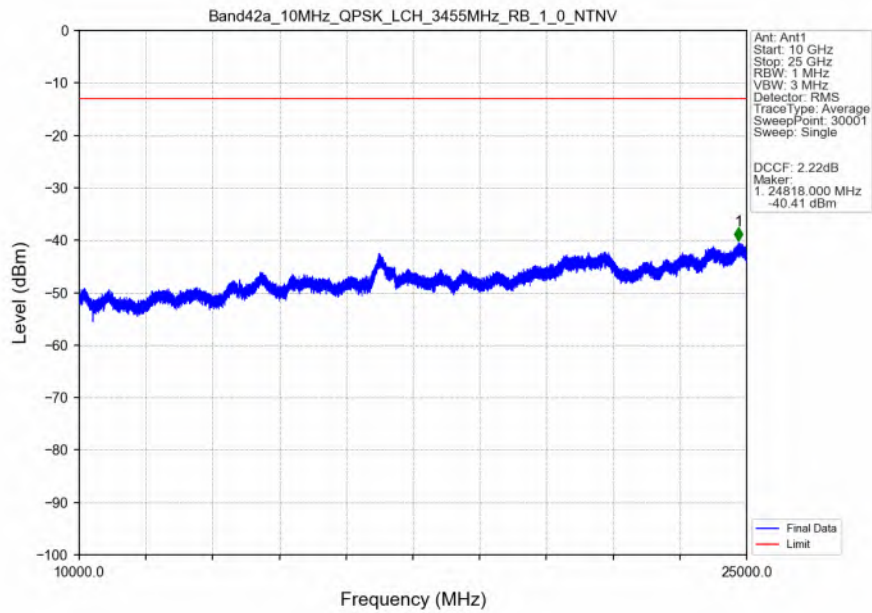


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3444.491	-41.76	-13	Pass
3445	3449	0.5	CHP	2	3448.746	-34.84	-13	Pass
3449	3450	0.003	/	3	3449.997	-42.33	-13	Pass
3450	3460	0.003	/	/	/	/	/	/
3460	3461	0.003	/	4	3460.909	-67.52	-13	Pass
3461	3465	0.5	CHP	5	3461.251	-48.75	-13	Pass
3465	3475	1	CHP	6	3465.500	-48.02	-13	Pass

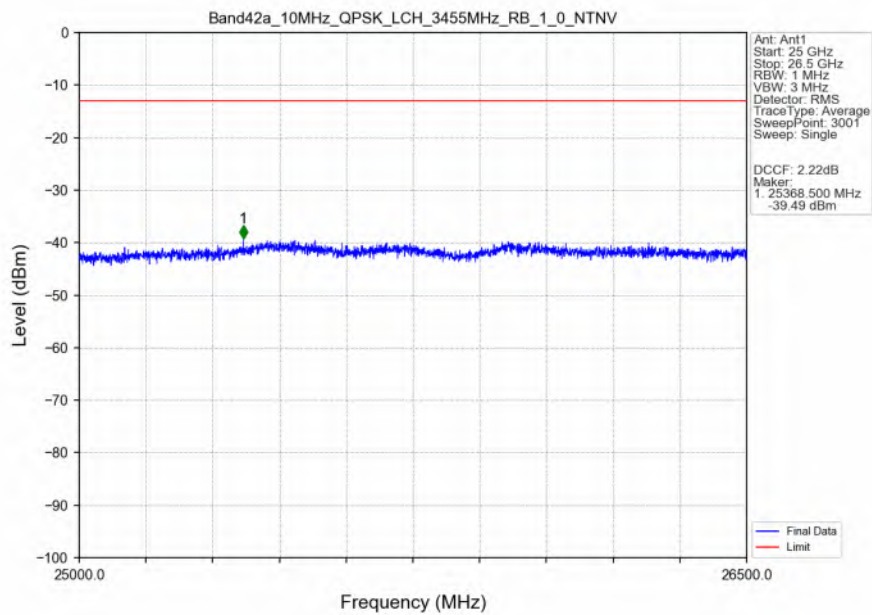
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



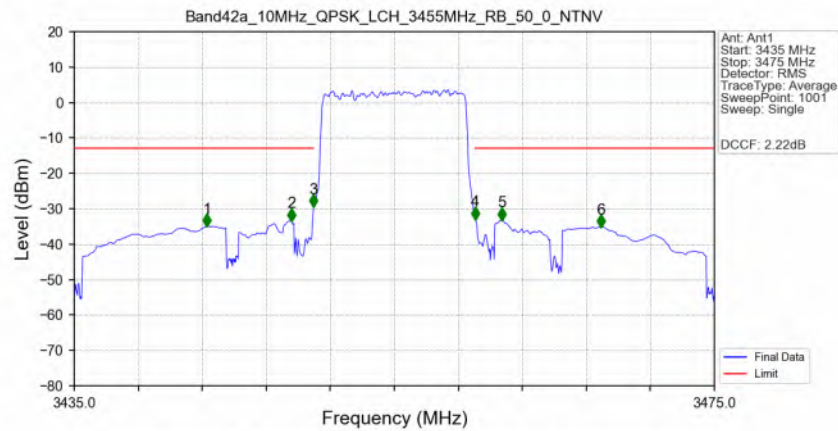
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

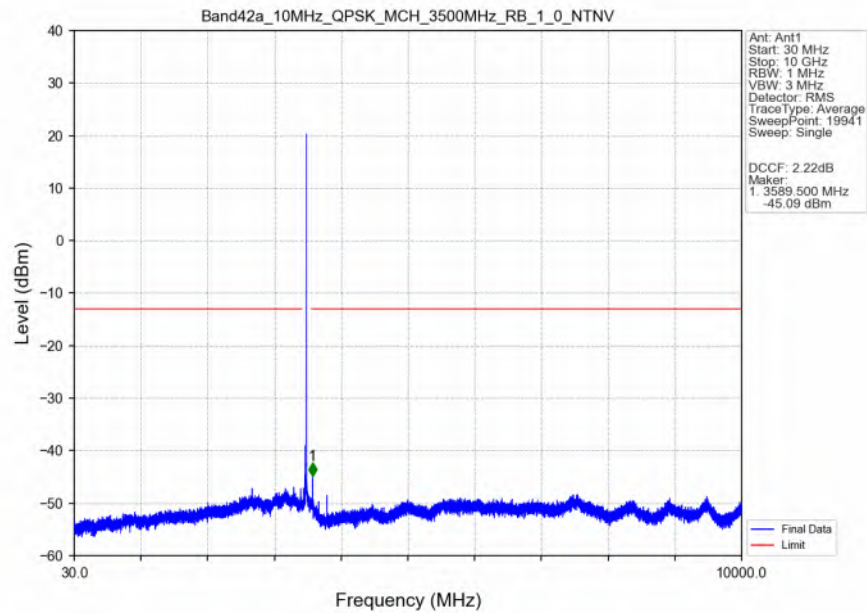


Band42a 10MHz QPSK LCH 3455MHz RB 50 0 NTV

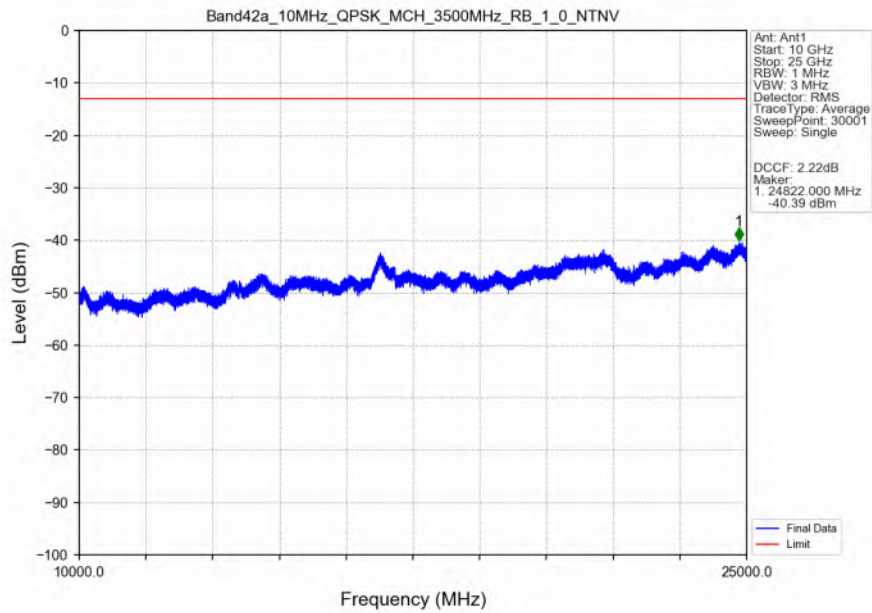


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3443.280	-34.77	-13	Pass
3445	3449	0.5	CHP	2	3448.560	-33.19	-13	Pass
3449	3450	0.107	CHP	3	3449.960	-29.28	-13	Pass
3450	3460	0.107	CHP	/	/	/	/	/
3460	3461	0.107	CHP	4	3460.040	-32.79	-13	Pass
3461	3465	0.5	CHP	5	3461.720	-33.01	-13	Pass
3465	3475	1	CHP	6	3467.920	-35.01	-13	Pass

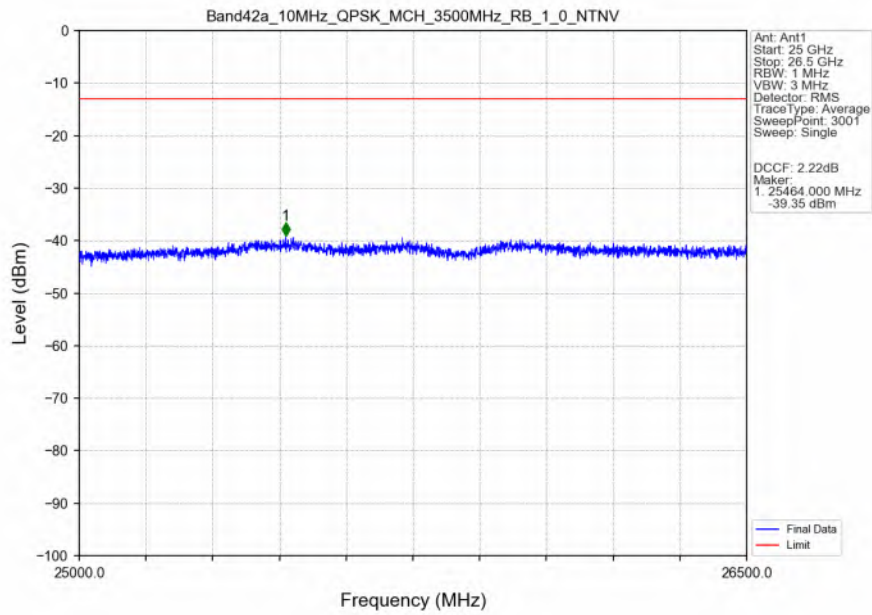
Band42a 10MHz QPSK MCH 3500MHz RB 1 0 NTV



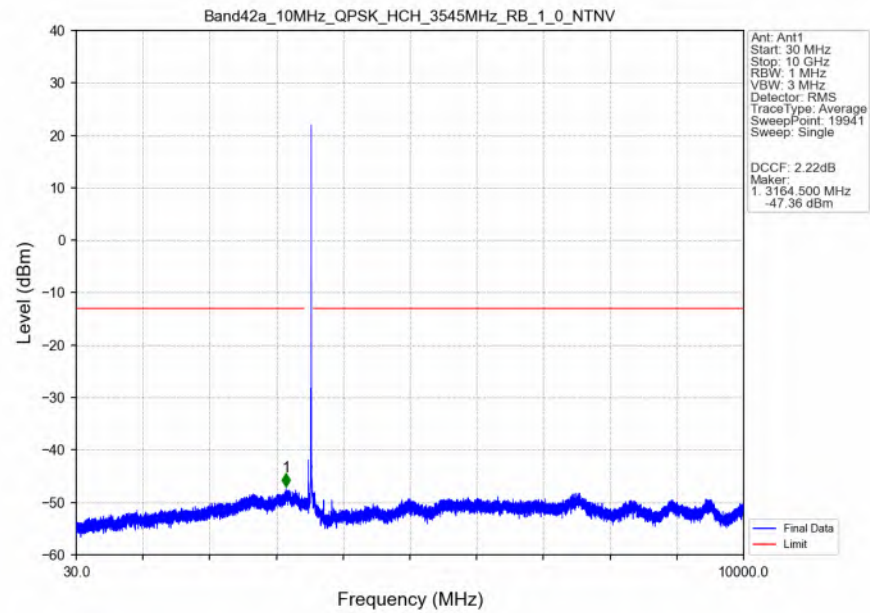
Band42a 10MHz QPSK MCH 3500MHz RB 1 0 NTV



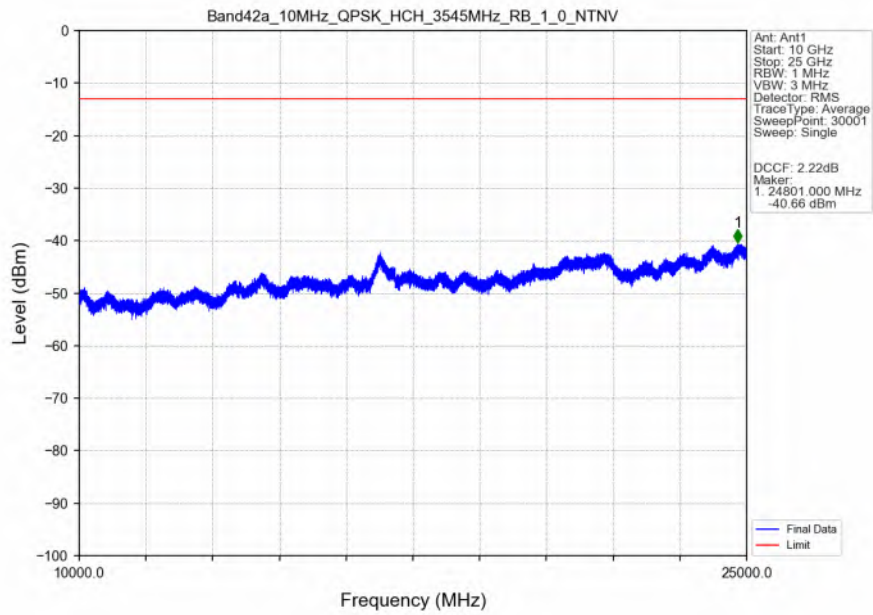
Band42a 10MHz QPSK MCH 3500MHz RB 1 0 NTV



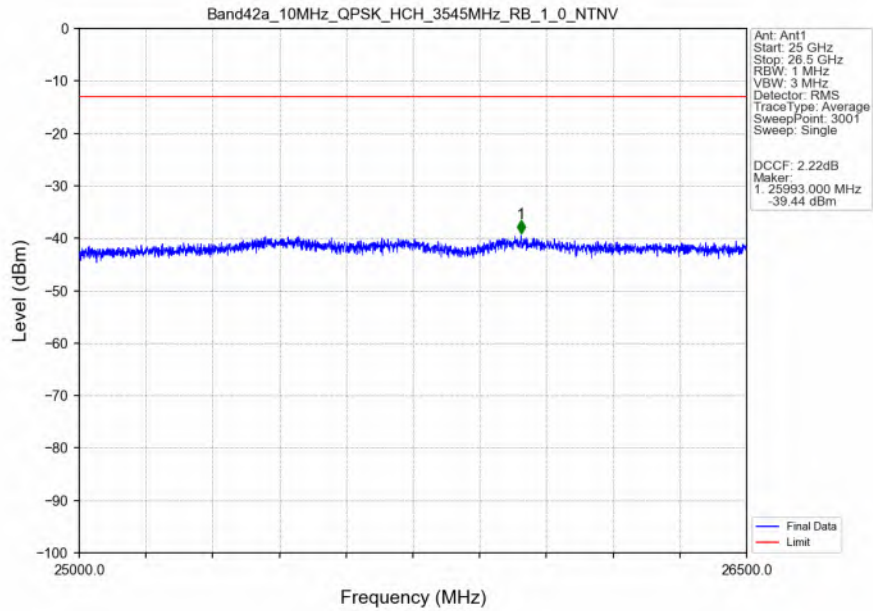
Band42a 10MHz QPSK HCH 3545MHz RB 1 0 NTV



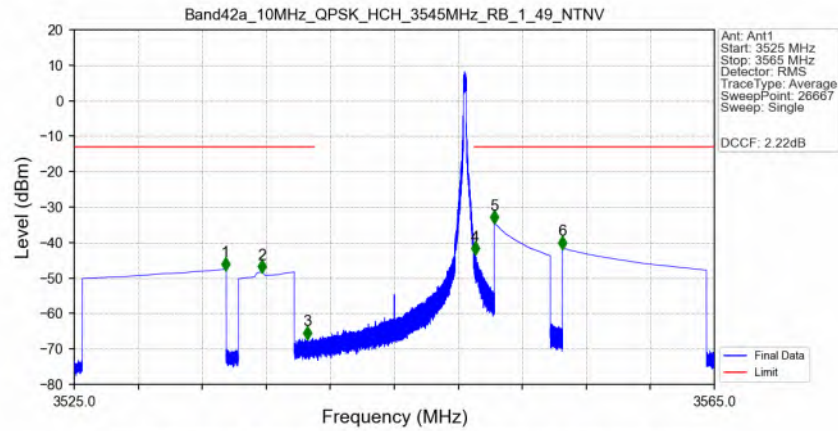
Band42a 10MHz QPSK HCH 3545MHz RB 1 0 NTV



Band42a 10MHz QPSK HCH 3545MHz RB 1 0 NTV

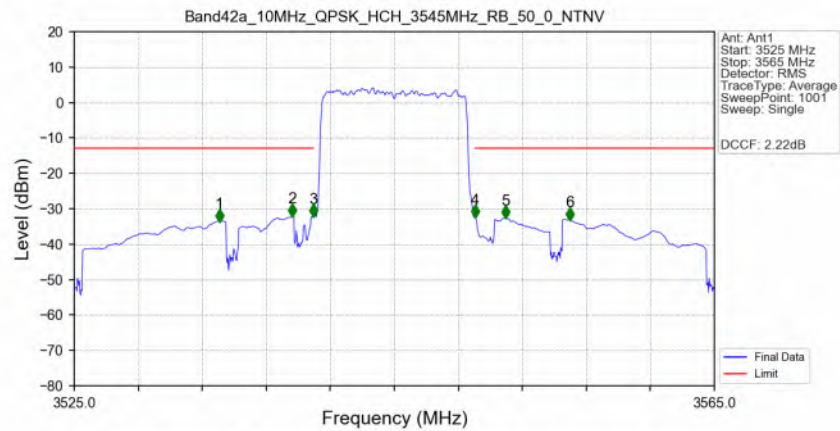


Band42a 10MHz QPSK HCH 3545MHz RB 1 49 NTV



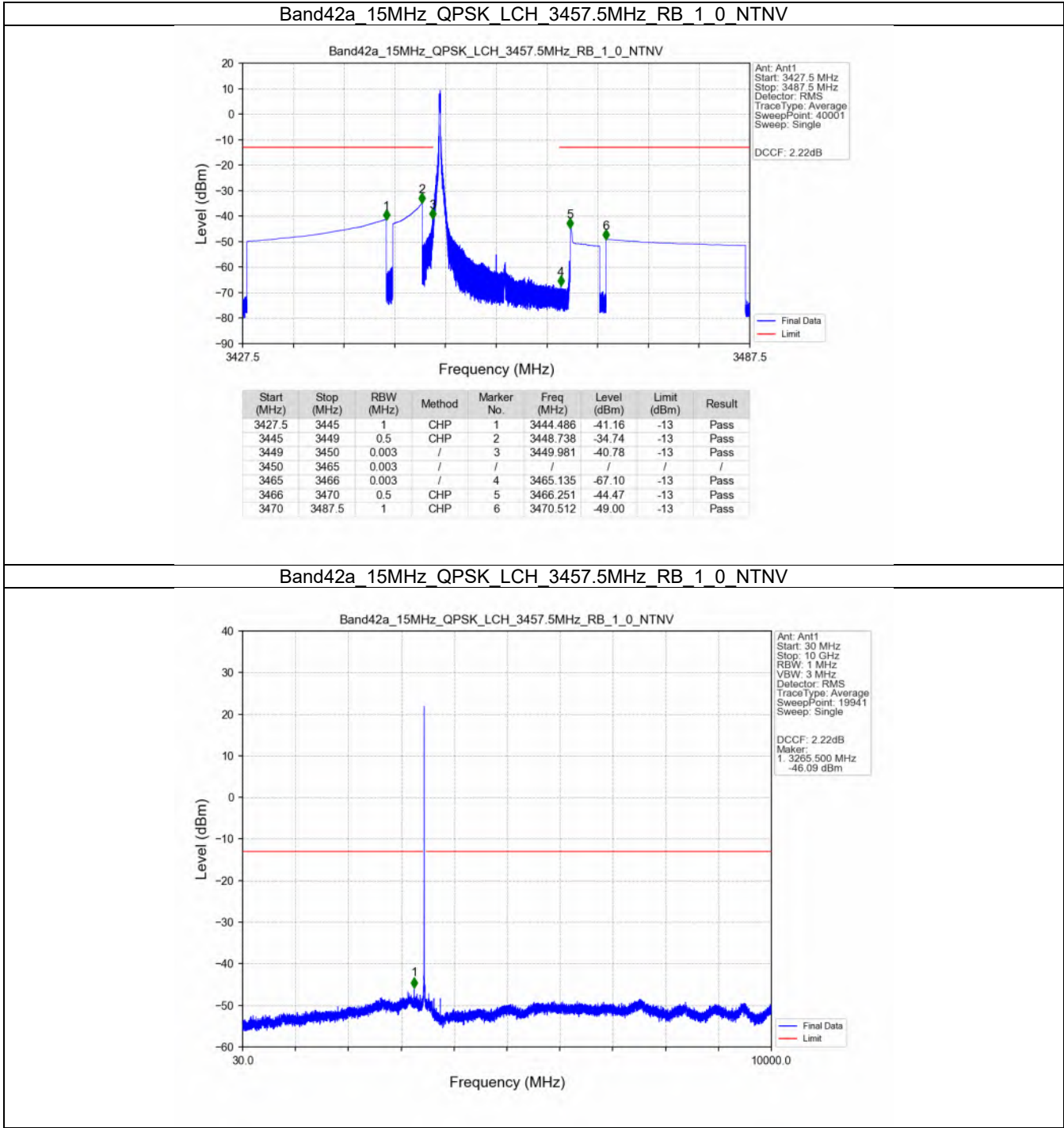
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.458	-47.52	-13	Pass
3535	3539	0.5	CHP	2	3536.726	-48.31	-13	Pass
3539	3540	0.003	/	3	3539.550	-67.00	-13	Pass
3540	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.055	-43.11	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-34.45	-13	Pass
3555	3565	1	CHP	6	3555.500	-41.58	-13	Pass

Band42a 10MHz QPSK HCH 3545MHz RB 50 0 NTN

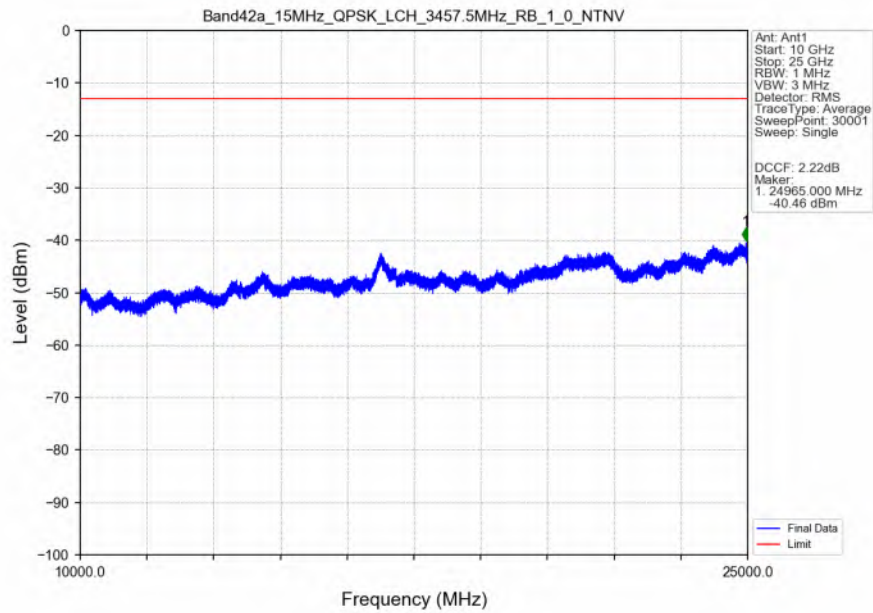


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.080	-33.44	-13	Pass
3535	3539	0.5	CHP	2	3538.640	-31.93	-13	Pass
3539	3540	0.107	CHP	3	3539.920	-32.06	-13	Pass
3540	3550	0.107	CHP	/	/	/	/	/
3550	3551	0.107	CHP	4	3550.040	-32.23	-13	Pass
3551	3555	0.5	CHP	5	3551.960	-32.54	-13	Pass
3555	3565	1	CHP	6	3555.960	-32.98	-13	Pass

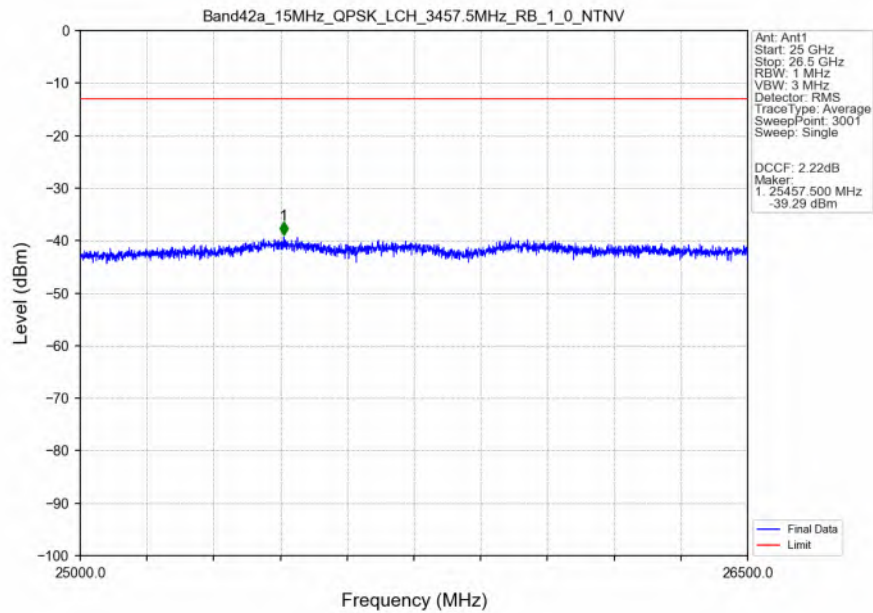
5.2.3 B42a_15MHz



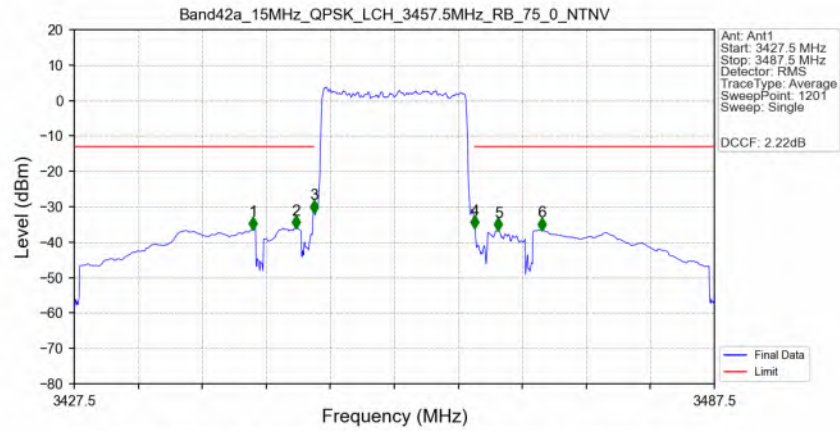
Band42a 15MHz QPSK LCH 3457.5MHz RB 1 0 NTV



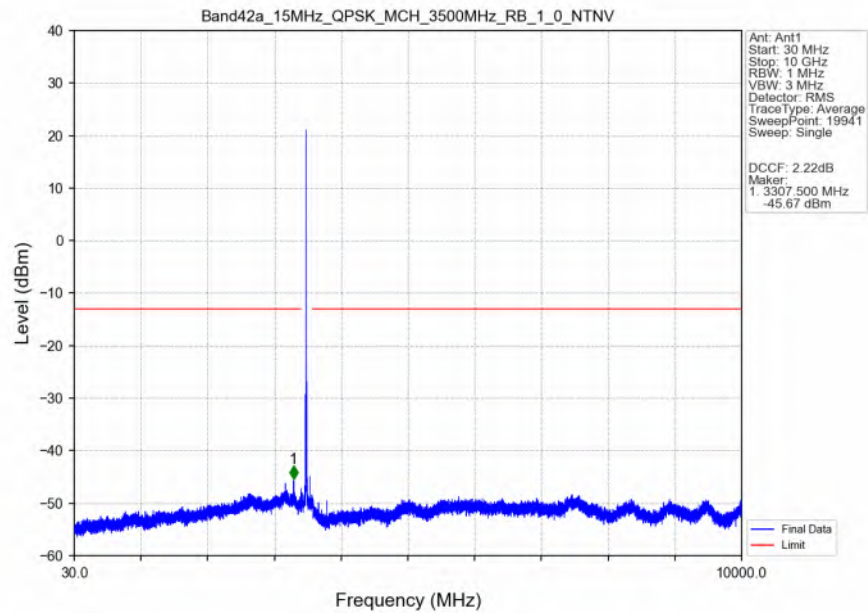
Band42a 15MHz QPSK LCH 3457.5MHz RB 1 0 NTV



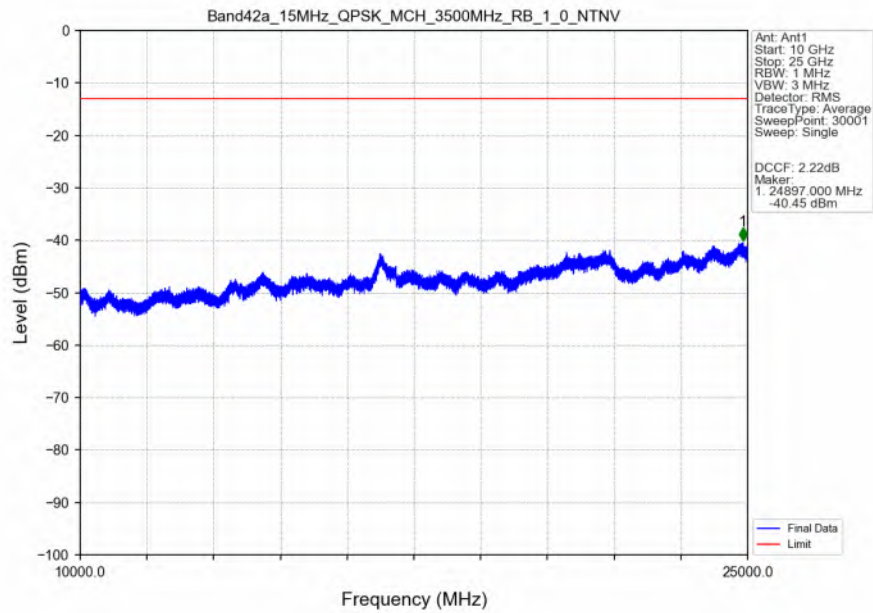
Band42a 15MHz QPSK LCH 3457.5MHz RB 75 0 NTV



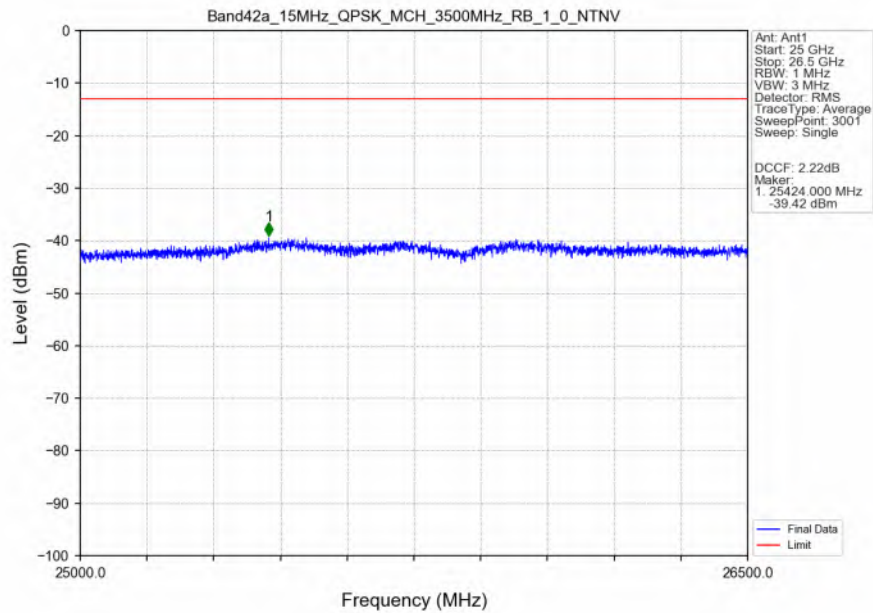
Band42a 15MHz QPSK MCH 3500MHz RB 1 0 NTV



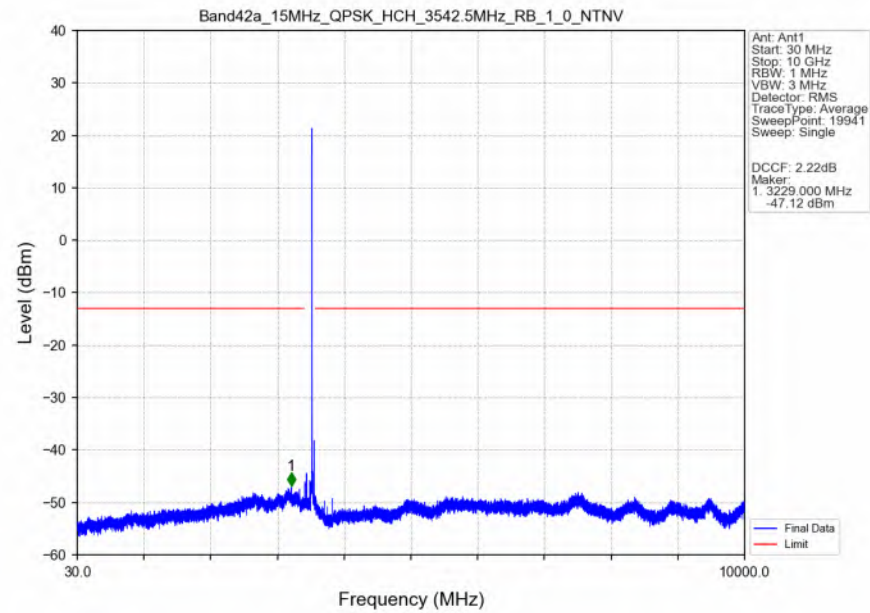
Band42a 15MHz QPSK MCH 3500MHz RB 1 0 NTV



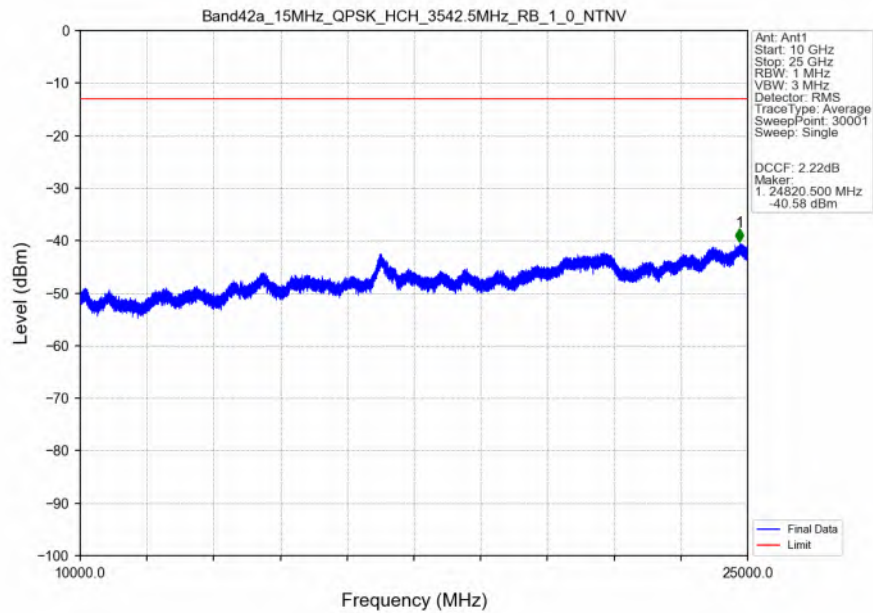
Band42a 15MHz QPSK MCH 3500MHz RB 1 0 NTV



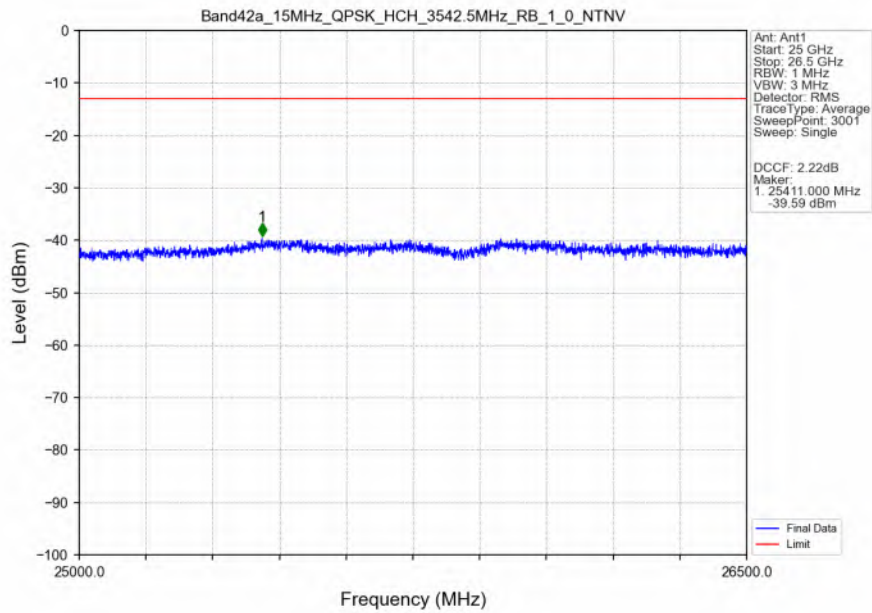
Band42a 15MHz QPSK HCH 3542.5MHz RB 1 0 NTV



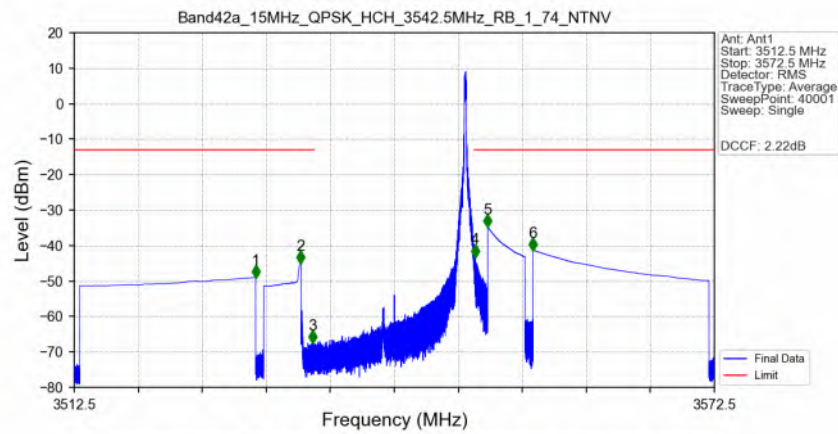
Band42a 15MHz QPSK HCH 3542.5MHz RB 1 0 NTV



Band42a 15MHz QPSK HCH 3542.5MHz RB 1 0 NTNV

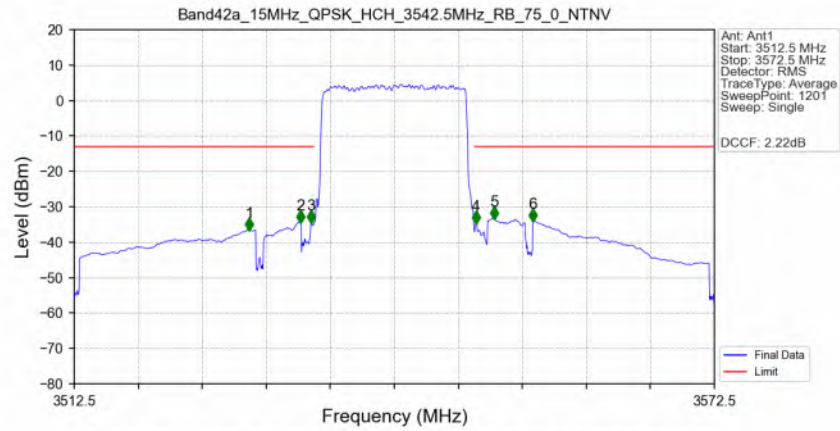


Band42a 15MHz QPSK HCH 3542.5MHz RB 1 74 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3529.498	-48.87	-13	Pass
3530	3534	0.5	CHP	2	3533.731	-44.89	-13	Pass
3534	3535	0.003	/	3	3534.843	-67.24	-13	Pass
3535	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.084	-43.02	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-34.66	-13	Pass
3555	3572.5	1	CHP	6	3555.501	-41.23	-13	Pass

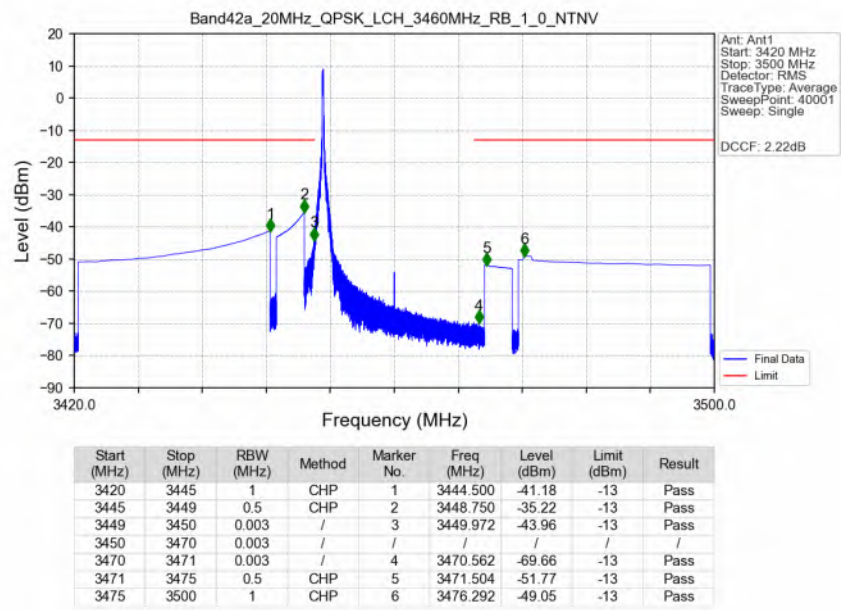
Band42a 15MHz QPSK HCH 3542.5MHz RB 75 0 NTV



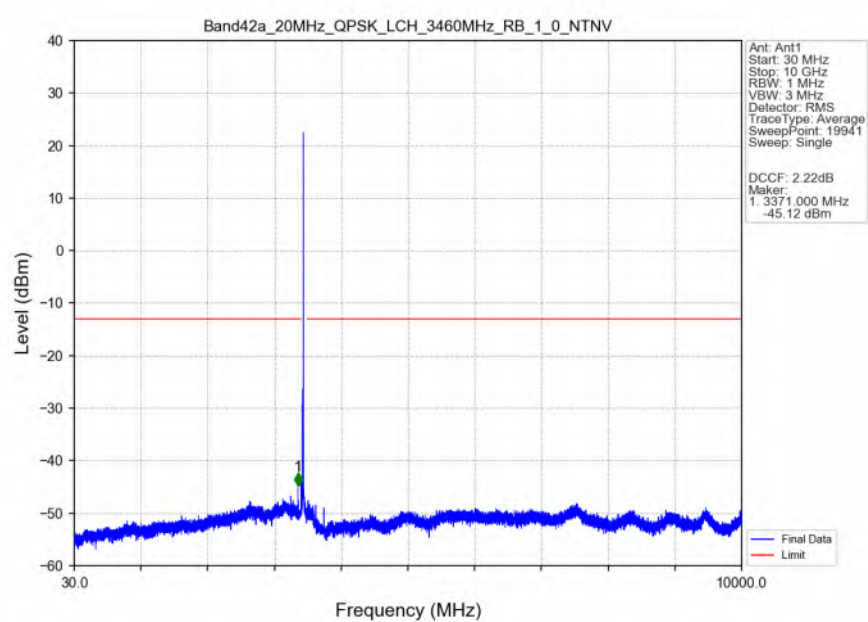
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3528.900	-36.50	-13	Pass
3530	3534	0.5	CHP	2	3533.700	-34.33	-13	Pass
3534	3535	0.161	CHP	3	3534.700	-34.39	-13	Pass
3535	3550	0.161	CHP	/	/	/	/	/
3550	3551	0.161	CHP	4	3550.150	-34.61	-13	Pass
3551	3555	0.5	CHP	5	3551.850	-33.33	-13	Pass
3555	3572.5	1	CHP	6	3555.500	-33.95	-13	Pass

5.2.4 B42a_20MHz

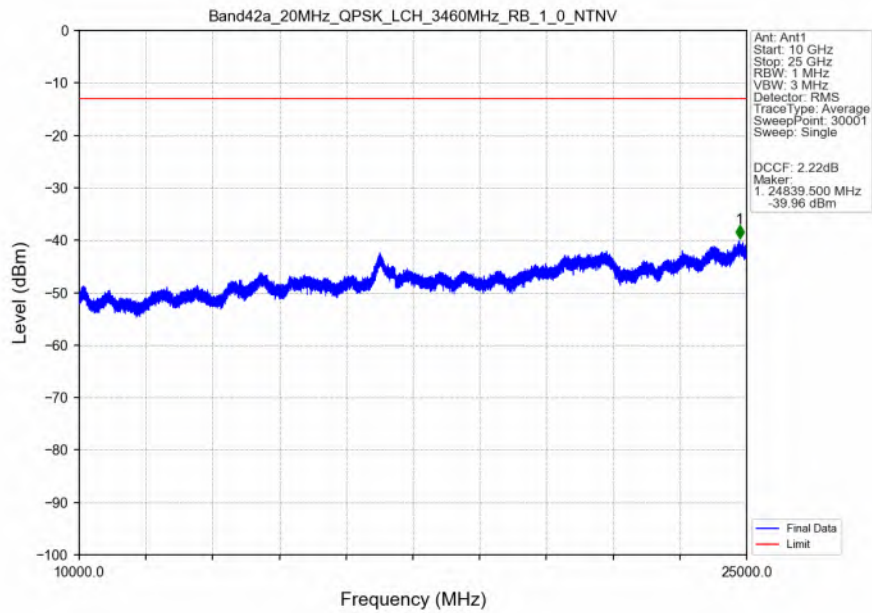
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



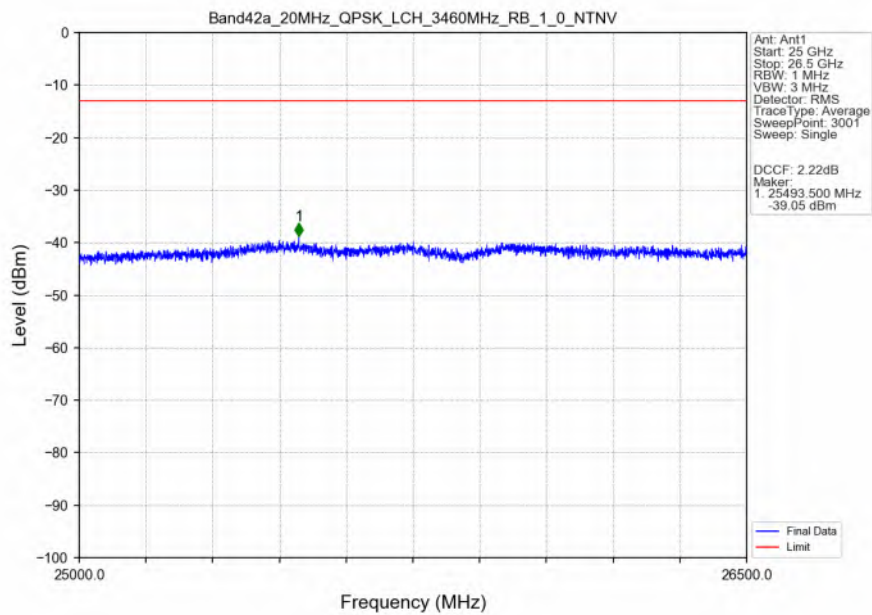
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



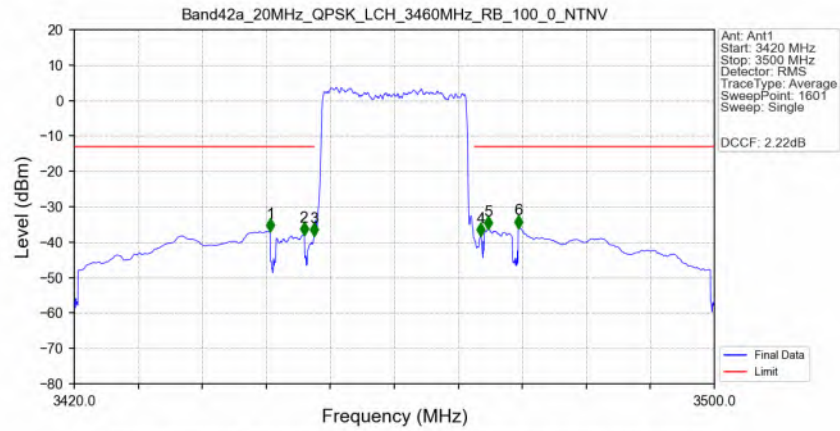
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV

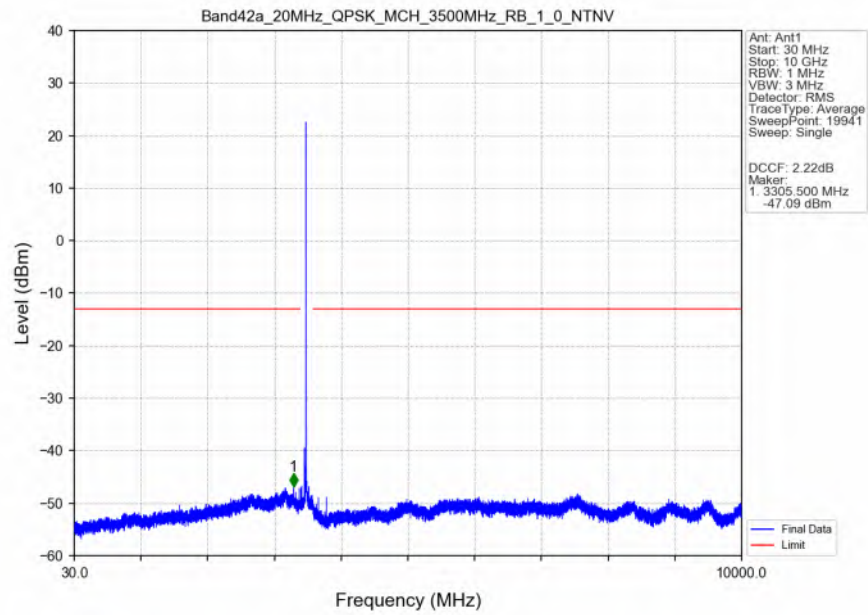


Band42a 20MHz QPSK LCH 3460MHz RB 100 0 NTNV

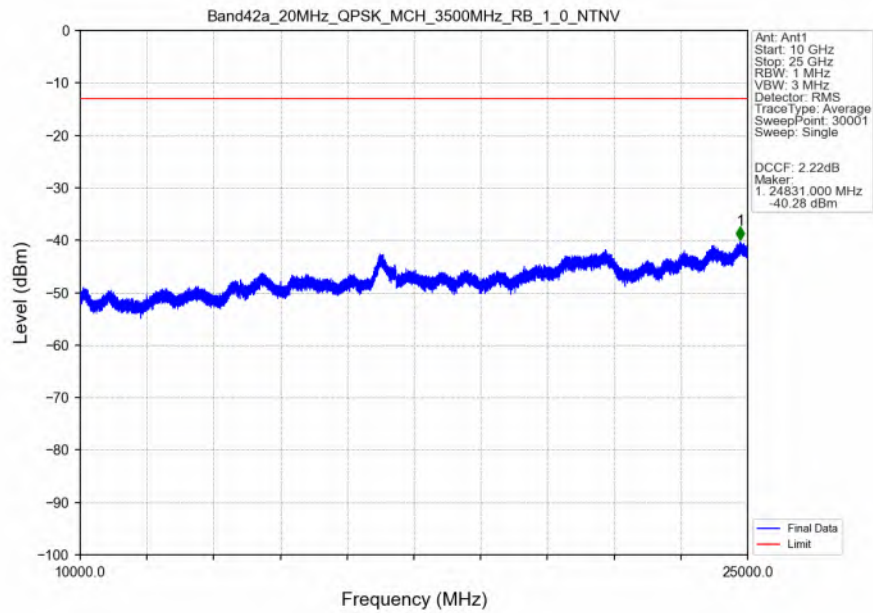


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3420	3445	1	CHP	1	3444.500	-36.74	-13	Pass
3445	3449	0.5	CHP	2	3448.700	-37.79	-13	Pass
3449	3450	0.2	CHP	3	3449.950	-37.98	-13	Pass
3450	3470	0.2	CHP	/	/	/	/	/
3470	3471	0.2	CHP	4	3470.800	-38.08	-13	Pass
3471	3475	0.5	CHP	5	3471.700	-36.09	-13	Pass
3475	3500	1	CHP	6	3475.550	-35.76	-13	Pass

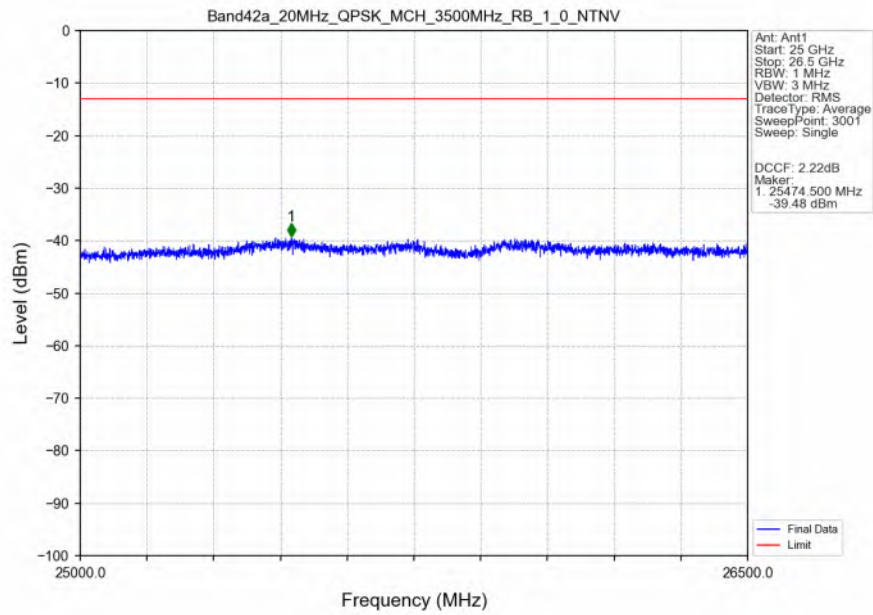
Band42a 20MHz QPSK MCH 3500MHz RB 1 0 NTNV



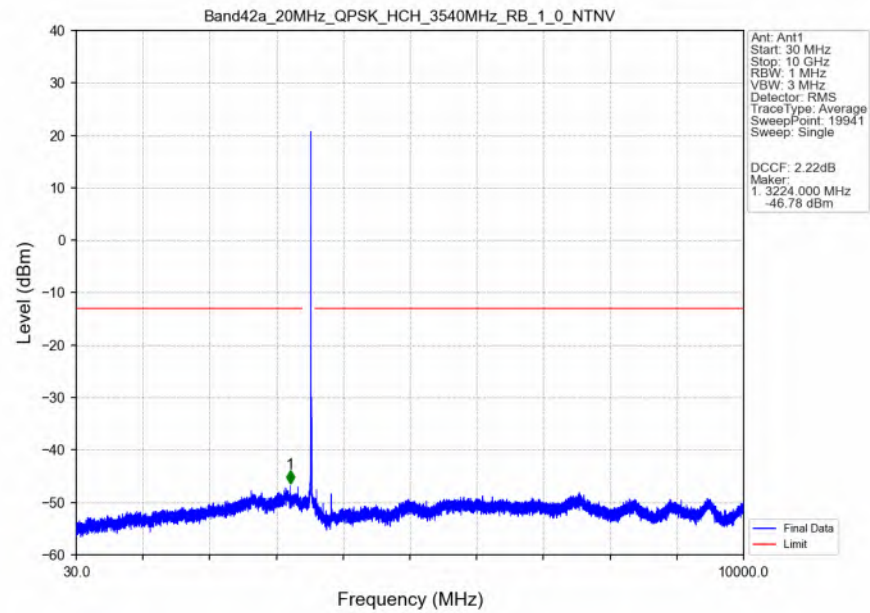
Band42a 20MHz QPSK MCH 3500MHz RB 1 0 NTNV



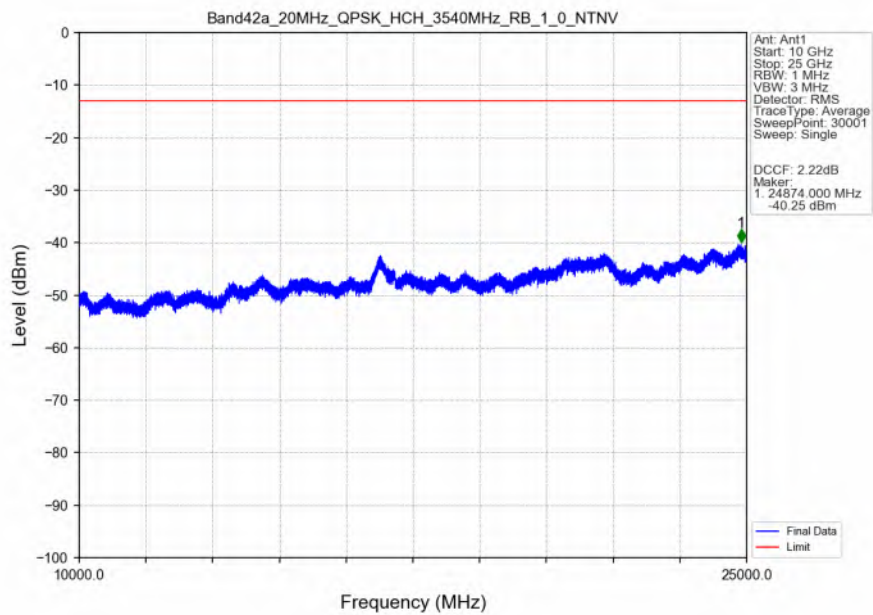
Band42a 20MHz QPSK MCH 3500MHz RB 1 0 NTNV



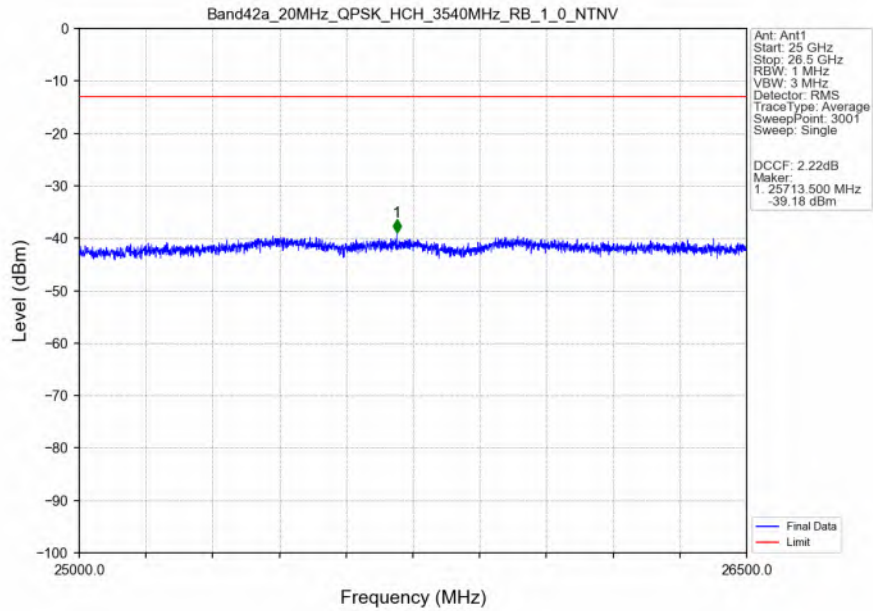
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



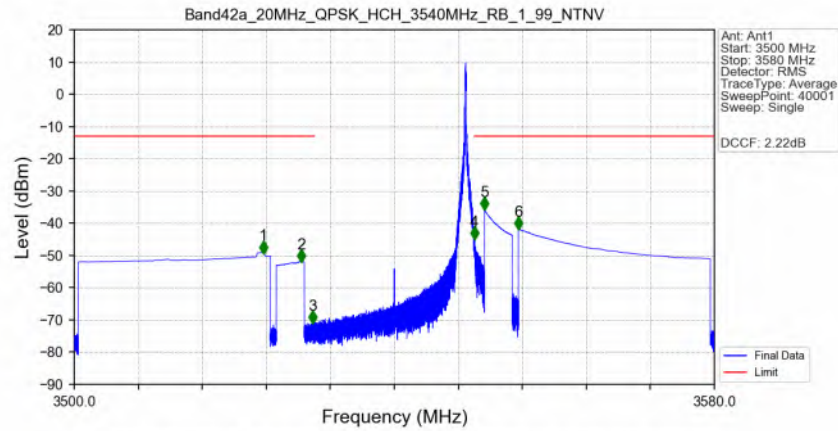
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



Band42a 20MHz QPSK HCH 3540MHz RB 1 0 NTNV

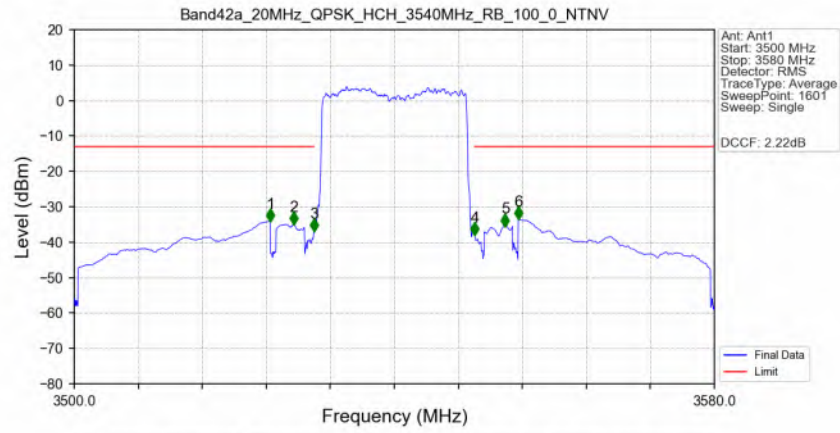


Band42a 20MHz QPSK HCH 3540MHz RB 1_99 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3525	1	CHP	1	3523.640	-49.10	-13	Pass
3525	3529	0.5	CHP	2	3528.354	-51.78	-13	Pass
3529	3530	0.003	/	3	3529.762	-70.83	-13	Pass
3530	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.022	-44.80	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-35.66	-13	Pass
3555	3580	1	CHP	6	3555.500	-41.79	-13	Pass

Band42a 20MHz QPSK HCH 3540MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3525	1	CHP	1	3524.500	-33.96	-13	Pass
3525	3529	0.5	CHP	2	3527.400	-34.86	-13	Pass
3529	3530	0.2	CHP	3	3529.950	-36.81	-13	Pass
3530	3550	0.2	CHP	/	/	/	/	/
3550	3551	0.2	CHP	4	3550.050	-37.87	-13	Pass
3551	3555	0.5	CHP	5	3553.850	-35.36	-13	Pass
3555	3580	1	CHP	6	3555.500	-33.33	-13	Pass