

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	24.66	2.32	26.98	<=30	Pass
			13	24.63	2.32	26.95	<=30	Pass
			24	24.66	2.32	26.98	<=30	Pass
		12	0	23.74	2.32	26.06	<=30	Pass
			6	23.70	2.32	26.02	<=30	Pass
			13	23.75	2.32	26.07	<=30	Pass
		25	0	23.77	2.32	26.09	<=30	Pass
	3500	1	0	24.87	2.32	27.19	<=30	Pass
			13	24.89	2.32	27.21	<=30	Pass
			24	24.83	2.32	27.15	<=30	Pass
		12	0	23.90	2.32	26.22	<=30	Pass
			6	23.97	2.32	26.29	<=30	Pass
			13	23.90	2.32	26.22	<=30	Pass
		25	0	23.88	2.32	26.20	<=30	Pass
	3547.5	1	0	24.37	2.32	26.69	<=30	Pass
			13	24.42	2.32	26.74	<=30	Pass
			24	24.41	2.32	26.73	<=30	Pass
		12	0	23.47	2.32	25.79	<=30	Pass
			6	23.52	2.32	25.84	<=30	Pass
			13	23.46	2.32	25.78	<=30	Pass
		25	0	23.44	2.32	25.76	<=30	Pass
16QAM	3452.5	1	0	23.63	2.32	25.95	<=30	Pass
			13	23.76	2.32	26.08	<=30	Pass
			24	23.84	2.32	26.16	<=30	Pass
		12	0	22.63	2.32	24.95	<=30	Pass
			6	22.76	2.32	25.08	<=30	Pass
			13	22.64	2.32	24.96	<=30	Pass
		25	0	22.56	2.32	24.88	<=30	Pass
	3500	1	0	23.74	2.32	26.06	<=30	Pass
			13	23.94	2.32	26.26	<=30	Pass
			24	23.85	2.32	26.17	<=30	Pass
		12	0	22.89	2.32	25.21	<=30	Pass
			6	22.97	2.32	25.29	<=30	Pass
			13	22.61	2.32	24.93	<=30	Pass
		25	0	22.89	2.32	25.21	<=30	Pass
	3547.5	1	0	23.36	2.32	25.68	<=30	Pass
			13	23.43	2.32	25.75	<=30	Pass
			24	23.40	2.32	25.72	<=30	Pass
		12	0	22.22	2.32	24.54	<=30	Pass
			6	22.49	2.32	24.81	<=30	Pass
			13	22.46	2.32	24.78	<=30	Pass
		25	0	22.44	2.32	24.76	<=30	Pass
64QAM	3452.5	1	0	23.61	2.32	25.93	<=30	Pass
			13	23.61	2.32	25.93	<=30	Pass
			24	23.49	2.32	25.81	<=30	Pass
		12	0	22.76	2.32	25.08	<=30	Pass
			6	22.65	2.32	24.97	<=30	Pass
			13	22.57	2.32	24.89	<=30	Pass
		25	0	22.57	2.32	24.89	<=30	Pass

	3500	1	0	23.47	2.32	25.79	<=30	Pass
			13	23.65	2.32	25.97	<=30	Pass
			24	23.79	2.32	26.11	<=30	Pass
		12	0	22.78	2.32	25.10	<=30	Pass
			6	22.94	2.32	25.26	<=30	Pass
			13	22.84	2.32	25.16	<=30	Pass
		25	0	22.89	2.32	25.21	<=30	Pass
	3547.5	1	0	23.00	2.32	25.32	<=30	Pass
			13	23.40	2.32	25.72	<=30	Pass
			24	23.17	2.32	25.49	<=30	Pass
		12	0	22.37	2.32	24.69	<=30	Pass
			6	22.39	2.32	24.71	<=30	Pass
			13	22.38	2.32	24.70	<=30	Pass
		25	0	22.46	2.32	24.78	<=30	Pass
256QAM	3452.5	1	0	19.60	2.32	21.92	<=30	Pass
			13	19.62	2.32	21.94	<=30	Pass
			24	19.64	2.32	21.96	<=30	Pass
		12	0	19.70	2.32	22.02	<=30	Pass
			6	19.63	2.32	21.95	<=30	Pass
			13	19.69	2.32	22.01	<=30	Pass
		25	0	19.69	2.32	22.01	<=30	Pass
	3500	1	0	19.73	2.32	22.05	<=30	Pass
			13	19.85	2.32	22.17	<=30	Pass
			24	19.71	2.32	22.03	<=30	Pass
		12	0	19.85	2.32	22.17	<=30	Pass
			6	19.93	2.32	22.25	<=30	Pass
			13	19.85	2.32	22.17	<=30	Pass
		25	0	19.70	2.32	22.02	<=30	Pass
	3547.5	1	0	19.28	2.32	21.60	<=30	Pass
			13	19.37	2.32	21.69	<=30	Pass
			24	19.22	2.32	21.54	<=30	Pass
		12	0	19.44	2.32	21.76	<=30	Pass
			6	19.41	2.32	21.73	<=30	Pass
			13	19.37	2.32	21.69	<=30	Pass
		25	0	19.38	2.32	21.70	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B42a_10MHz_EIRP

Band: 42a / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3455	1	0	24.68	2.32	27.00	<=30	Pass
			25	24.71	2.32	27.03	<=30	Pass
			49	24.67	2.32	26.99	<=30	Pass
		25	0	23.76	2.32	26.08	<=30	Pass
			13	23.77	2.32	26.09	<=30	Pass
			25	23.75	2.32	26.07	<=30	Pass
		50	0	23.80	2.32	26.12	<=30	Pass
	3500	1	0	24.85	2.32	27.17	<=30	Pass
			25	24.80	2.32	27.12	<=30	Pass
			49	24.74	2.32	27.06	<=30	Pass
		25	0	23.89	2.32	26.21	<=30	Pass
			13	23.94	2.32	26.26	<=30	Pass
			25	23.87	2.32	26.19	<=30	Pass
		50	0	23.90	2.32	26.22	<=30	Pass
	3545	1	0	24.32	2.32	26.64	<=30	Pass

			25	24.43	2.32	26.75	<=30	Pass		
			49	24.39	2.32	26.71	<=30	Pass		
			25	0	23.36	2.32	25.68	<=30	Pass	
				13	23.34	2.32	25.66	<=30	Pass	
				25	23.43	2.32	25.75	<=30	Pass	
			50	0	23.40	2.32	25.72	<=30	Pass	
16QAM	3455	1	0	23.66	2.32	25.98	<=30	Pass		
			25	23.81	2.32	26.13	<=30	Pass		
			49	23.69	2.32	26.01	<=30	Pass		
		25	0	22.56	2.32	24.88	<=30	Pass		
			13	22.78	2.32	25.10	<=30	Pass		
			25	22.79	2.32	25.11	<=30	Pass		
		50	0	22.76	2.32	25.08	<=30	Pass		
		3500	1	0	23.93	2.32	26.25	<=30	Pass	
				25	23.86	2.32	26.18	<=30	Pass	
	49			23.54	2.32	25.86	<=30	Pass		
	25		0	22.72	2.32	25.04	<=30	Pass		
			13	22.94	2.32	25.26	<=30	Pass		
			25	22.86	2.32	25.18	<=30	Pass		
	50		0	22.92	2.32	25.24	<=30	Pass		
	3545		1	0	23.45	2.32	25.77	<=30	Pass	
				25	23.22	2.32	25.54	<=30	Pass	
		49		23.33	2.32	25.65	<=30	Pass		
		25	0	22.34	2.32	24.66	<=30	Pass		
			13	22.51	2.32	24.83	<=30	Pass		
			25	22.42	2.32	24.74	<=30	Pass		
		50	0	22.28	2.32	24.60	<=30	Pass		
		64QAM	3455	1	0	23.51	2.32	25.83	<=30	Pass
					25	23.50	2.32	25.82	<=30	Pass
	49				23.55	2.32	25.87	<=30	Pass	
25	0			22.75	2.32	25.07	<=30	Pass		
	13			22.78	2.32	25.10	<=30	Pass		
	25			22.75	2.32	25.07	<=30	Pass		
50	0			22.73	2.32	25.05	<=30	Pass		
3500	1			0	23.46	2.32	25.78	<=30	Pass	
				25	23.78	2.32	26.10	<=30	Pass	
			49	23.55	2.32	25.87	<=30	Pass		
	25		0	22.91	2.32	25.23	<=30	Pass		
			13	22.92	2.32	25.24	<=30	Pass		
			25	22.88	2.32	25.20	<=30	Pass		
	50		0	22.91	2.32	25.23	<=30	Pass		
	3545		1	0	23.10	2.32	25.42	<=30	Pass	
				25	23.05	2.32	25.37	<=30	Pass	
49				23.29	2.32	25.61	<=30	Pass		
25			0	22.38	2.32	24.70	<=30	Pass		
			13	22.47	2.32	24.79	<=30	Pass		
			25	22.43	2.32	24.75	<=30	Pass		
50			0	22.34	2.32	24.66	<=30	Pass		
256QAM			3455	1	0	19.57	2.32	21.89	<=30	Pass
					25	19.66	2.32	21.98	<=30	Pass
	49				19.55	2.32	21.87	<=30	Pass	
	25	0		19.72	2.32	22.04	<=30	Pass		
		13		19.72	2.32	22.04	<=30	Pass		
		25		19.78	2.32	22.10	<=30	Pass		
	50	0		19.61	2.32	21.93	<=30	Pass		
	3500	1		0	19.99	2.32	22.31	<=30	Pass	
				25	19.94	2.32	22.26	<=30	Pass	
			49	19.79	2.32	22.11	<=30	Pass		
	25	0	19.86	2.32	22.18	<=30	Pass			

			13	19.75	2.32	22.07	<=30	Pass
			25	19.85	2.32	22.17	<=30	Pass
		50	0	19.88	2.32	22.20	<=30	Pass
	3545	1	0	19.33	2.32	21.65	<=30	Pass
			25	19.32	2.32	21.64	<=30	Pass
			49	19.31	2.32	21.63	<=30	Pass
		25	0	19.34	2.32	21.66	<=30	Pass
			13	19.51	2.32	21.83	<=30	Pass
			25	19.45	2.32	21.77	<=30	Pass
		50	0	19.39	2.32	21.71	<=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	24.45	2.32	26.77	<=30	Pass
			38	24.52	2.32	26.84	<=30	Pass
			74	24.50	2.32	26.82	<=30	Pass
		36	0	23.62	2.32	25.94	<=30	Pass
			18	23.62	2.32	25.94	<=30	Pass
			39	23.63	2.32	25.95	<=30	Pass
		75	0	23.65	2.32	25.97	<=30	Pass
	3500	1	0	24.66	2.32	26.98	<=30	Pass
			38	24.65	2.32	26.97	<=30	Pass
			74	24.55	2.32	26.87	<=30	Pass
		36	0	23.77	2.32	26.09	<=30	Pass
			18	23.79	2.32	26.11	<=30	Pass
			39	23.74	2.32	26.06	<=30	Pass
		75	0	23.80	2.32	26.12	<=30	Pass
	3542.5	1	0	24.14	2.32	26.46	<=30	Pass
			38	24.17	2.32	26.49	<=30	Pass
			74	24.12	2.32	26.44	<=30	Pass
		36	0	23.24	2.32	25.56	<=30	Pass
			18	23.26	2.32	25.58	<=30	Pass
			39	23.34	2.32	25.66	<=30	Pass
		75	0	23.26	2.32	25.58	<=30	Pass
16QAM	3457.5	1	0	23.58	2.32	25.90	<=30	Pass
			38	23.59	2.32	25.91	<=30	Pass
			74	23.32	2.32	25.64	<=30	Pass
		36	0	22.58	2.32	24.90	<=30	Pass
			18	22.59	2.32	24.91	<=30	Pass
			39	22.42	2.32	24.74	<=30	Pass
		75	0	22.60	2.32	24.92	<=30	Pass
	3500	1	0	23.51	2.32	25.83	<=30	Pass
			38	23.53	2.32	25.85	<=30	Pass
			74	23.47	2.32	25.79	<=30	Pass
		36	0	22.68	2.32	25.00	<=30	Pass
			18	22.76	2.32	25.08	<=30	Pass
			39	22.72	2.32	25.04	<=30	Pass
		75	0	22.55	2.32	24.87	<=30	Pass
	3542.5	1	0	23.20	2.32	25.52	<=30	Pass
			38	23.01	2.32	25.33	<=30	Pass
			74	23.28	2.32	25.60	<=30	Pass
		36	0	22.23	2.32	24.55	<=30	Pass
			18	22.21	2.32	24.53	<=30	Pass

			39	22.24	2.32	24.56	<=30	Pass	
		75	0	22.23	2.32	24.55	<=30	Pass	
64QAM	3457.5	1	0	23.30	2.32	25.62	<=30	Pass	
			38	23.37	2.32	25.69	<=30	Pass	
			74	23.42	2.32	25.74	<=30	Pass	
			0	22.62	2.32	24.94	<=30	Pass	
		36	18	22.62	2.32	24.94	<=30	Pass	
			39	22.46	2.32	24.78	<=30	Pass	
			75	0	22.60	2.32	24.92	<=30	Pass
		3500	1	0	23.49	2.32	25.81	<=30	Pass
				38	23.30	2.32	25.62	<=30	Pass
	74			23.27	2.32	25.59	<=30	Pass	
	0			22.79	2.32	25.11	<=30	Pass	
	36		18	22.80	2.32	25.12	<=30	Pass	
			39	22.55	2.32	24.87	<=30	Pass	
			75	0	22.74	2.32	25.06	<=30	Pass
	3542.5		1	0	22.93	2.32	25.25	<=30	Pass
				38	22.92	2.32	25.24	<=30	Pass
		74		23.07	2.32	25.39	<=30	Pass	
		0		22.26	2.32	24.58	<=30	Pass	
		36	18	22.22	2.32	24.54	<=30	Pass	
			39	22.31	2.32	24.63	<=30	Pass	
			75	0	22.22	2.32	24.54	<=30	Pass
		256QAM	3457.5	1	0	19.39	2.32	21.71	<=30
38					19.40	2.32	21.72	<=30	Pass
74	19.52				2.32	21.84	<=30	Pass	
36	0			19.61	2.32	21.93	<=30	Pass	
	18			19.59	2.32	21.91	<=30	Pass	
	39			19.56	2.32	21.88	<=30	Pass	
75	0			19.60	2.32	21.92	<=30	Pass	
3500	1		0	19.67	2.32	21.99	<=30	Pass	
			38	19.66	2.32	21.98	<=30	Pass	
			74	19.54	2.32	21.86	<=30	Pass	
			0	19.77	2.32	22.09	<=30	Pass	
	36		18	19.73	2.32	22.05	<=30	Pass	
			39	19.58	2.32	21.90	<=30	Pass	
			75	0	19.65	2.32	21.97	<=30	Pass
3542.5	1		0	18.98	2.32	21.30	<=30	Pass	
			38	19.16	2.32	21.48	<=30	Pass	
			74	19.15	2.32	21.47	<=30	Pass	
	36		0	19.29	2.32	21.61	<=30	Pass	
			18	19.25	2.32	21.57	<=30	Pass	
			39	19.29	2.32	21.61	<=30	Pass	
	75		0	19.22	2.32	21.54	<=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	24.45	2.32	26.77	<=30	Pass
			50	24.49	2.32	26.81	<=30	Pass
			99	24.33	2.32	26.65	<=30	Pass
		50	0	23.60	2.32	25.92	<=30	Pass
			25	23.64	2.32	25.96	<=30	Pass
			50	23.63	2.32	25.95	<=30	Pass

		100	0	23.64	2.32	25.96	<=30	Pass
	3500	1	0	24.68	2.32	27.00	<=30	Pass
			50	24.65	2.32	26.97	<=30	Pass
			99	24.49	2.32	26.81	<=30	Pass
		50	0	23.80	2.32	26.12	<=30	Pass
			25	23.79	2.32	26.11	<=30	Pass
			50	23.70	2.32	26.02	<=30	Pass
	100	0	23.78	2.32	26.10	<=30	Pass	
	3540	1	0	24.20	2.32	26.52	<=30	Pass
			50	24.21	2.32	26.53	<=30	Pass
			99	24.22	2.32	26.54	<=30	Pass
		50	0	23.36	2.32	25.68	<=30	Pass
			25	23.35	2.32	25.67	<=30	Pass
			50	23.34	2.32	25.66	<=30	Pass
	100	0	23.35	2.32	25.67	<=30	Pass	
16QAM	3460	1	0	23.40	2.32	25.72	<=30	Pass
			50	23.50	2.32	25.82	<=30	Pass
			99	23.13	2.32	25.45	<=30	Pass
		50	0	22.64	2.32	24.96	<=30	Pass
			25	22.59	2.32	24.91	<=30	Pass
			50	22.58	2.32	24.90	<=30	Pass
	100	0	22.58	2.32	24.90	<=30	Pass	
	3500	1	0	23.44	2.32	25.76	<=30	Pass
			50	23.63	2.32	25.95	<=30	Pass
			99	23.57	2.32	25.89	<=30	Pass
		50	0	22.82	2.32	25.14	<=30	Pass
			25	22.81	2.32	25.13	<=30	Pass
			50	22.69	2.32	25.01	<=30	Pass
	100	0	22.75	2.32	25.07	<=30	Pass	
	3540	1	0	23.28	2.32	25.60	<=30	Pass
			50	23.15	2.32	25.47	<=30	Pass
			99	23.22	2.32	25.54	<=30	Pass
		50	0	22.33	2.32	24.65	<=30	Pass
			25	22.35	2.32	24.67	<=30	Pass
			50	22.33	2.32	24.65	<=30	Pass
	100	0	22.30	2.32	24.62	<=30	Pass	
64QAM	3460	1	0	23.41	2.32	25.73	<=30	Pass
			50	23.33	2.32	25.65	<=30	Pass
			99	23.48	2.32	25.80	<=30	Pass
		50	0	22.46	2.32	24.78	<=30	Pass
			25	22.67	2.32	24.99	<=30	Pass
			50	22.65	2.32	24.97	<=30	Pass
	100	0	22.61	2.32	24.93	<=30	Pass	
	3500	1	0	23.53	2.32	25.85	<=30	Pass
			50	23.40	2.32	25.72	<=30	Pass
			99	23.36	2.32	25.68	<=30	Pass
		50	0	22.79	2.32	25.11	<=30	Pass
			25	22.81	2.32	25.13	<=30	Pass
			50	22.62	2.32	24.94	<=30	Pass
	100	0	22.73	2.32	25.05	<=30	Pass	
	3540	1	0	23.33	2.32	25.65	<=30	Pass
			50	23.11	2.32	25.43	<=30	Pass
			99	22.70	2.32	25.02	<=30	Pass
		50	0	22.36	2.32	24.68	<=30	Pass
25			22.35	2.32	24.67	<=30	Pass	
50			22.30	2.32	24.62	<=30	Pass	
100	0	22.32	2.32	24.64	<=30	Pass		
256QAM	3460	1	0	19.34	2.32	21.66	<=30	Pass
			50	19.63	2.32	21.95	<=30	Pass

			99	19.56	2.32	21.88	<=30	Pass
		50	0	19.66	2.32	21.98	<=30	Pass
			25	19.47	2.32	21.79	<=30	Pass
			50	19.63	2.32	21.95	<=30	Pass
		100	0	19.61	2.32	21.93	<=30	Pass
	3500	1	0	19.48	2.32	21.80	<=30	Pass
			50	19.70	2.32	22.02	<=30	Pass
			99	19.51	2.32	21.83	<=30	Pass
		50	0	19.65	2.32	21.97	<=30	Pass
			25	19.73	2.32	22.05	<=30	Pass
			50	19.65	2.32	21.97	<=30	Pass
		100	0	19.75	2.32	22.07	<=30	Pass
		3540	1	0	19.28	2.32	21.60	<=30
	50			19.23	2.32	21.55	<=30	Pass
	99			19.38	2.32	21.70	<=30	Pass
	50		0	19.37	2.32	21.69	<=30	Pass
			25	19.36	2.32	21.68	<=30	Pass
			50	19.37	2.32	21.69	<=30	Pass
	100		0	19.35	2.32	21.67	<=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	23.300	0.0067	-2.5 to 2.5	Pass
					NV	-1.400	-0.0004	-2.5 to 2.5	Pass
					HV	1.500	0.0004	-2.5 to 2.5	Pass
				-30	NV	-0.400	-0.0001	-2.5 to 2.5	Pass
				-20	NV	17.100	0.0049	-2.5 to 2.5	Pass
				-10	NV	1.000	0.0003	-2.5 to 2.5	Pass
				0	NV	0.400	0.0001	-2.5 to 2.5	Pass
				10	NV	-0.700	-0.0002	-2.5 to 2.5	Pass
				30	NV	-0.500	-0.0001	-2.5 to 2.5	Pass
				40	NV	1.600	0.0005	-2.5 to 2.5	Pass
				50	NV	0.800	0.0002	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band42a_OBW

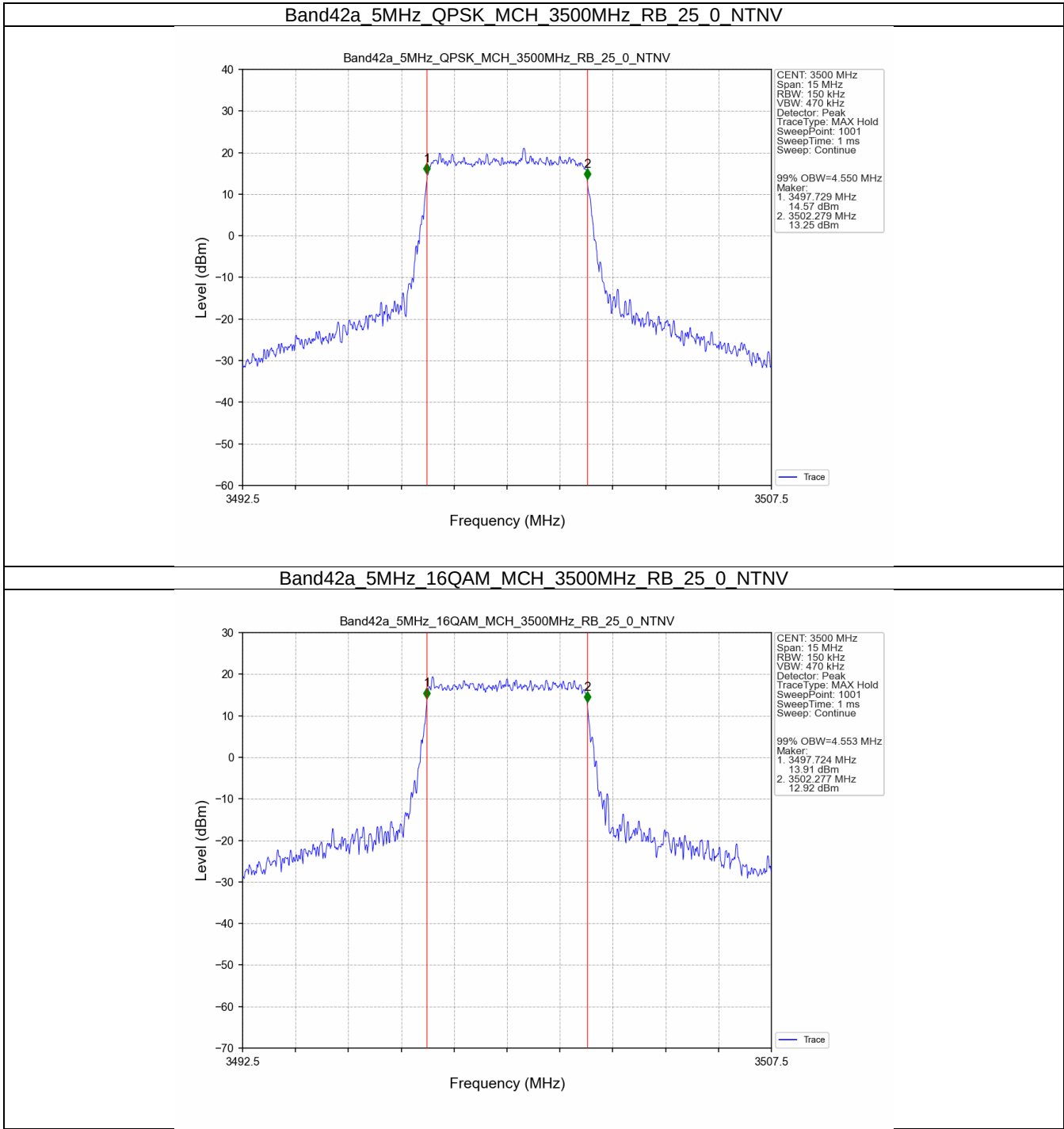
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	4.550	/	Pass
	16QAM	3500	25	0	4.553	/	Pass
	64QAM	3500	25	0	4.565	/	Pass
	256QAM	3500	25	0	4.540	/	Pass
10	QPSK	3500	50	0	9.090	/	Pass
	16QAM	3500	50	0	9.094	/	Pass
	64QAM	3500	50	0	9.087	/	Pass
	256QAM	3500	50	0	9.032	/	Pass
15	QPSK	3500	75	0	13.635	/	Pass
	16QAM	3500	75	0	13.634	/	Pass
	64QAM	3500	75	0	13.629	/	Pass
	256QAM	3500	75	0	13.632	/	Pass
20	QPSK	3500	100	0	18.117	/	Pass
	16QAM	3500	100	0	18.132	/	Pass
	64QAM	3500	100	0	18.097	/	Pass
	256QAM	3500	100	0	18.104	/	Pass

3.1.2 Band42a_XDB

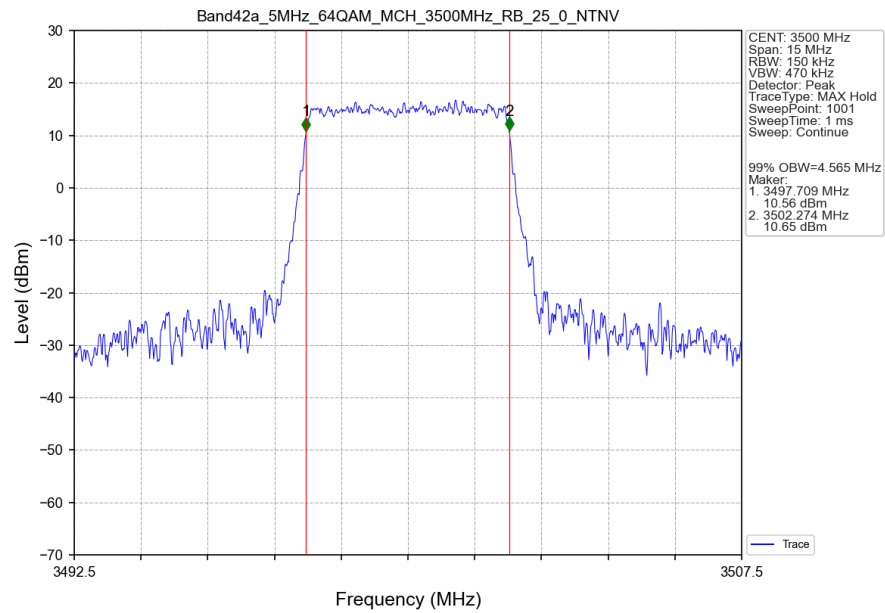
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	5.165	/	Pass
	16QAM	3500	25	0	5.216	/	Pass
	64QAM	3500	25	0	5.229	/	Pass
	256QAM	3500	25	0	5.154	/	Pass
10	QPSK	3500	50	0	10.186	/	Pass
	16QAM	3500	50	0	10.144	/	Pass
	64QAM	3500	50	0	10.090	/	Pass
	256QAM	3500	50	0	10.136	/	Pass
15	QPSK	3500	75	0	15.186	/	Pass
	16QAM	3500	75	0	15.180	/	Pass
	64QAM	3500	75	0	15.191	/	Pass
	256QAM	3500	75	0	15.207	/	Pass
20	QPSK	3500	100	0	19.959	/	Pass
	16QAM	3500	100	0	19.913	/	Pass
	64QAM	3500	100	0	19.932	/	Pass
	256QAM	3500	100	0	19.713	/	Pass

3.2 Test Graph

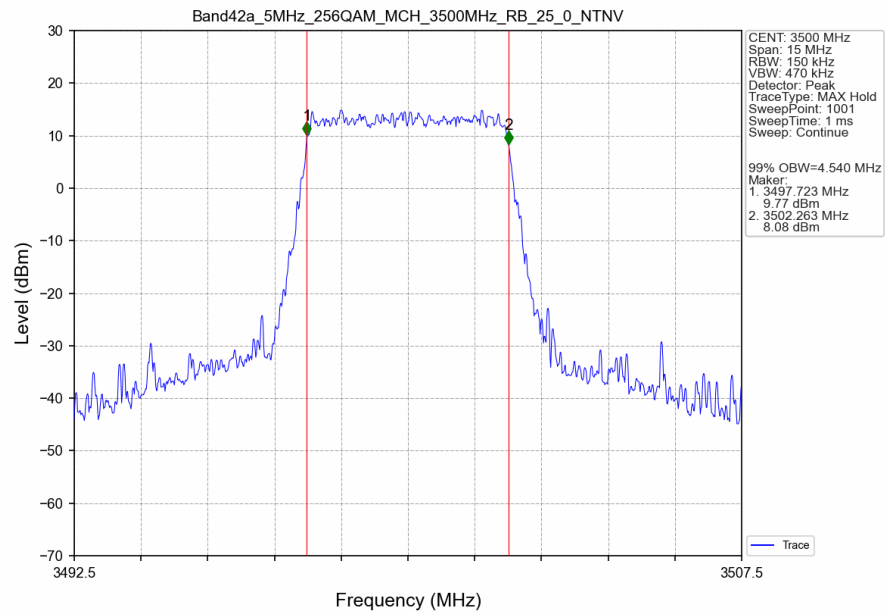
3.2.1 Band42a_OBW



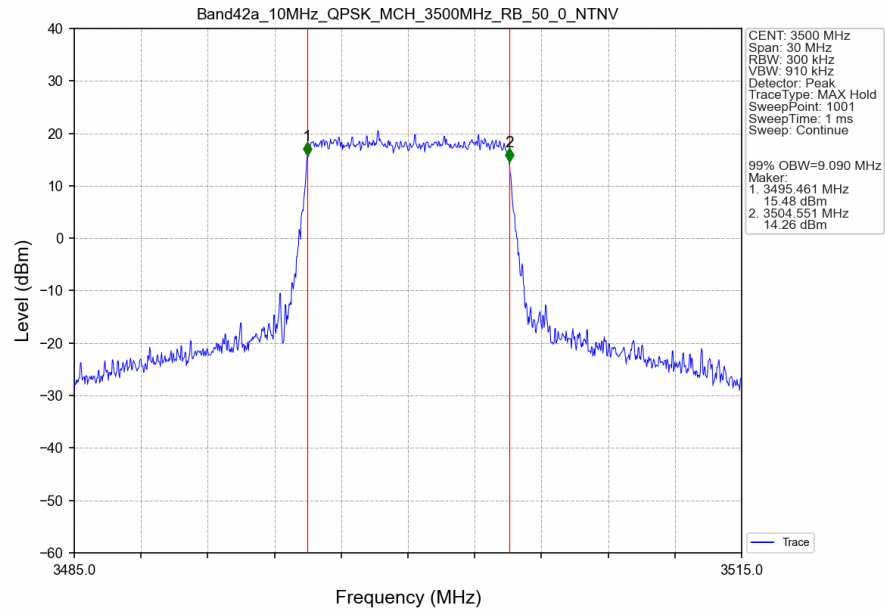
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTN



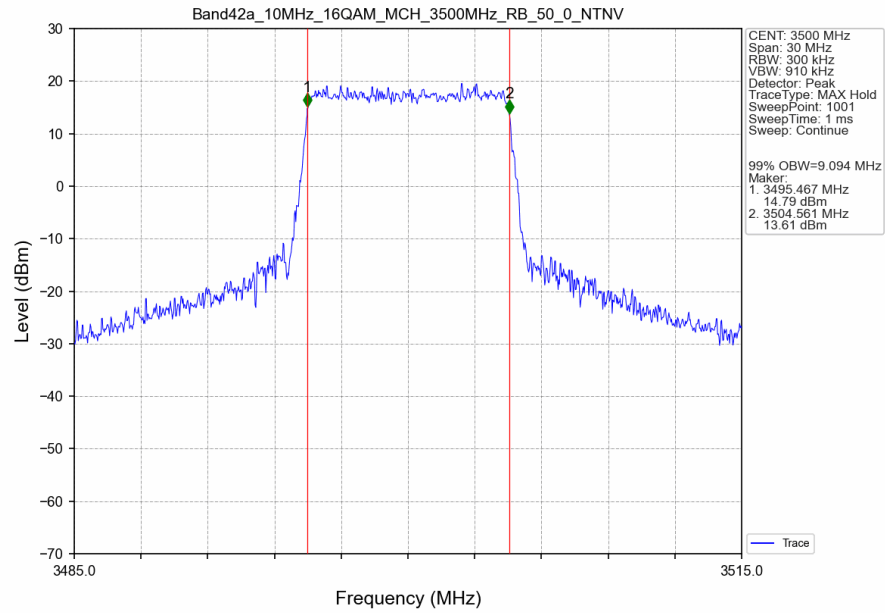
Band42a 5MHz 256QAM MCH 3500MHz RB 25 0 NTN



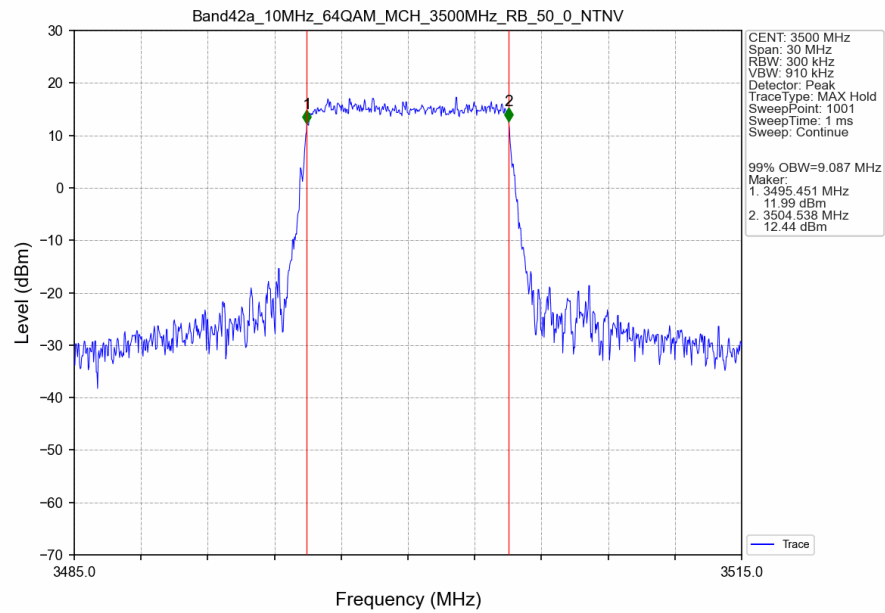
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTV



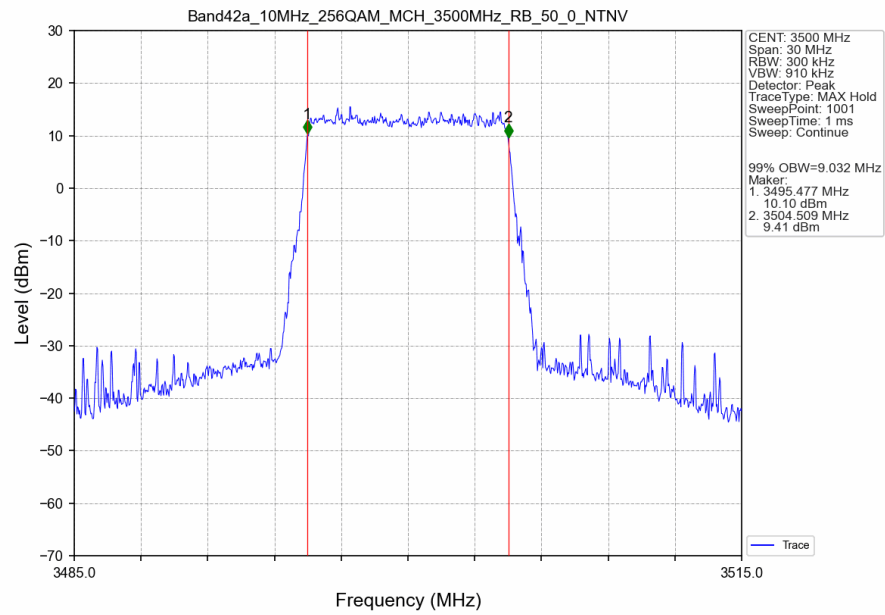
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTV



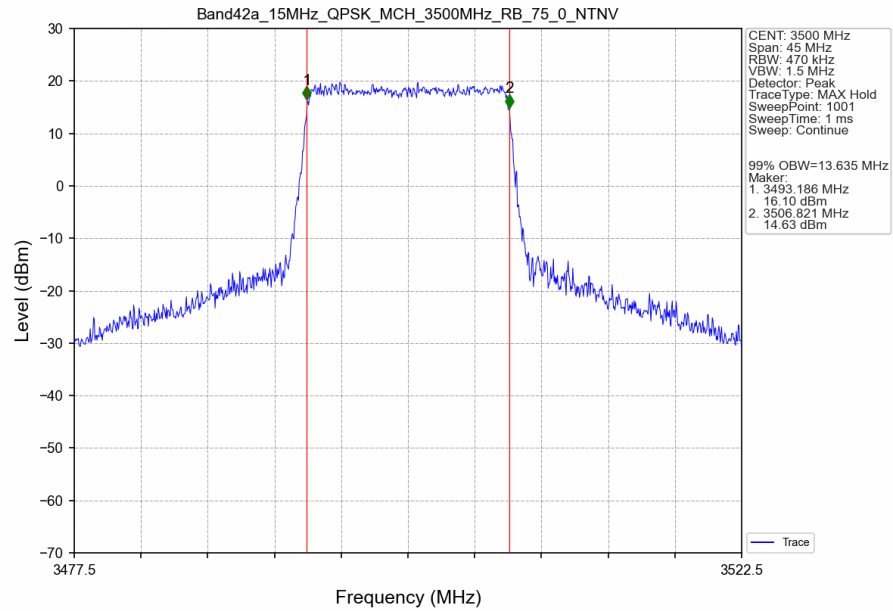
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTV



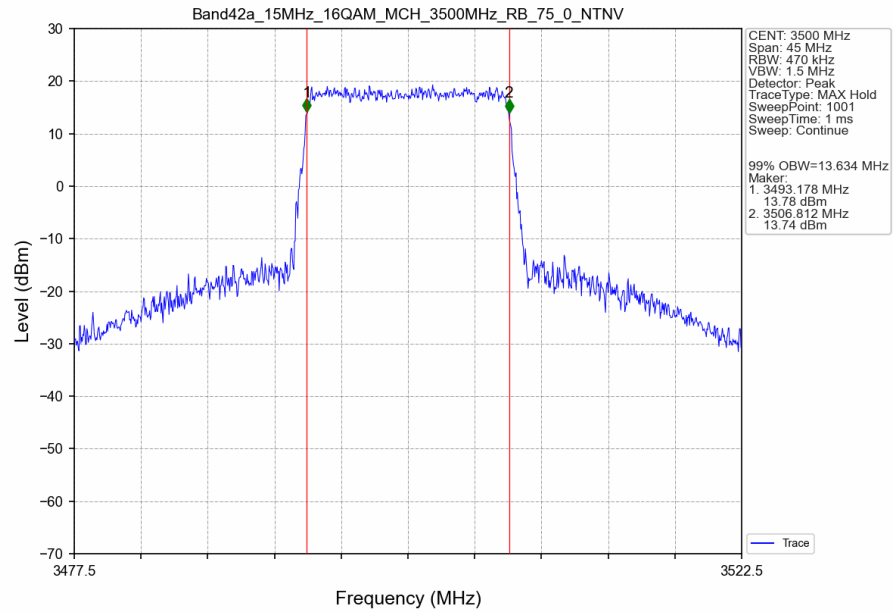
Band42a 10MHz 256QAM MCH 3500MHz RB 50 0 NTV



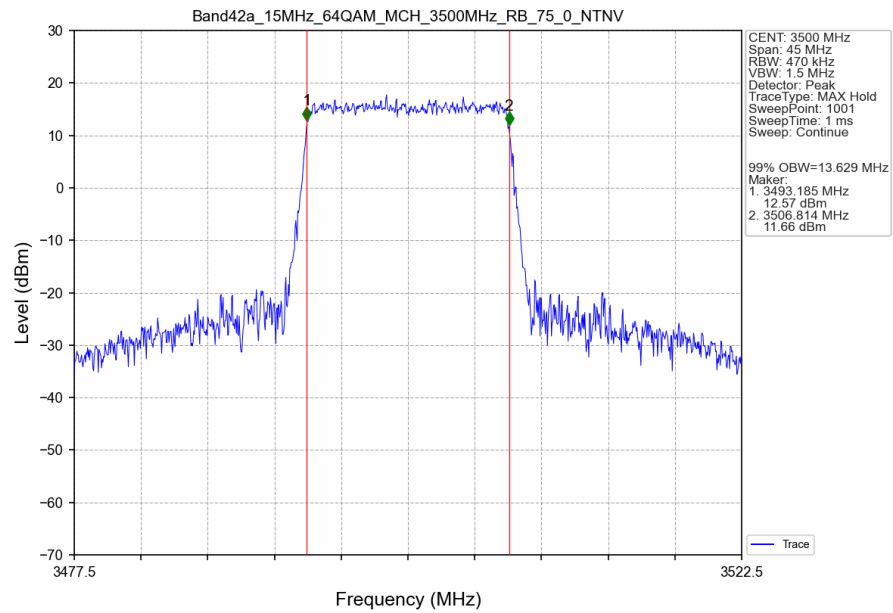
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTV



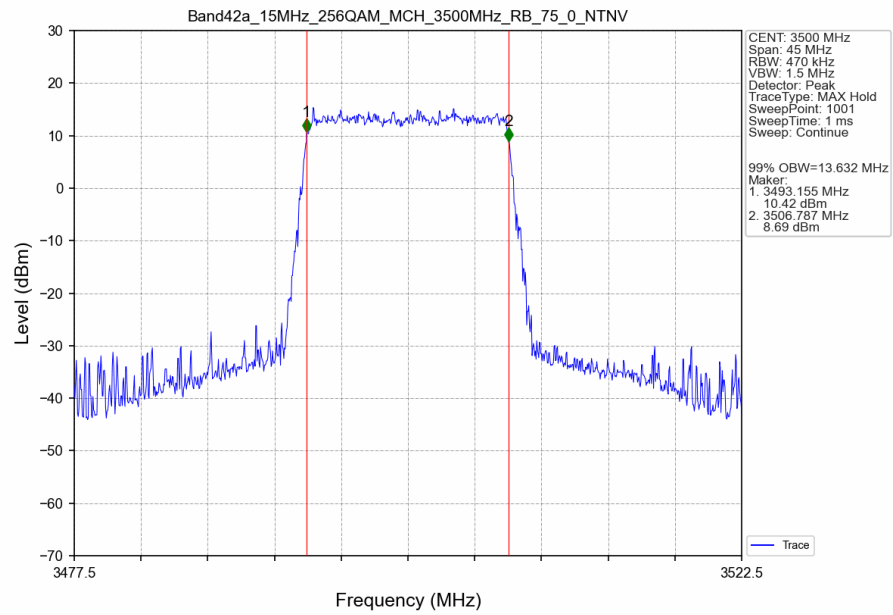
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTV



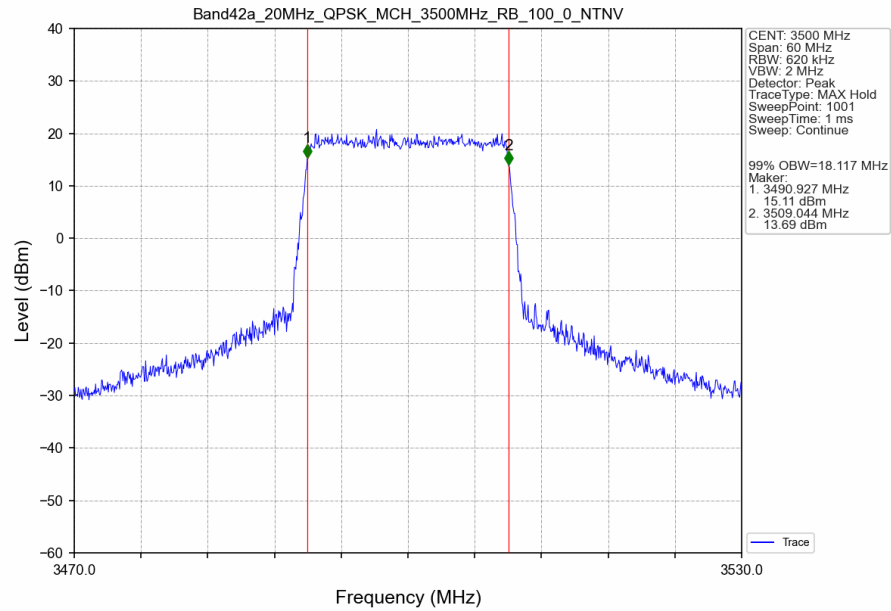
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTV



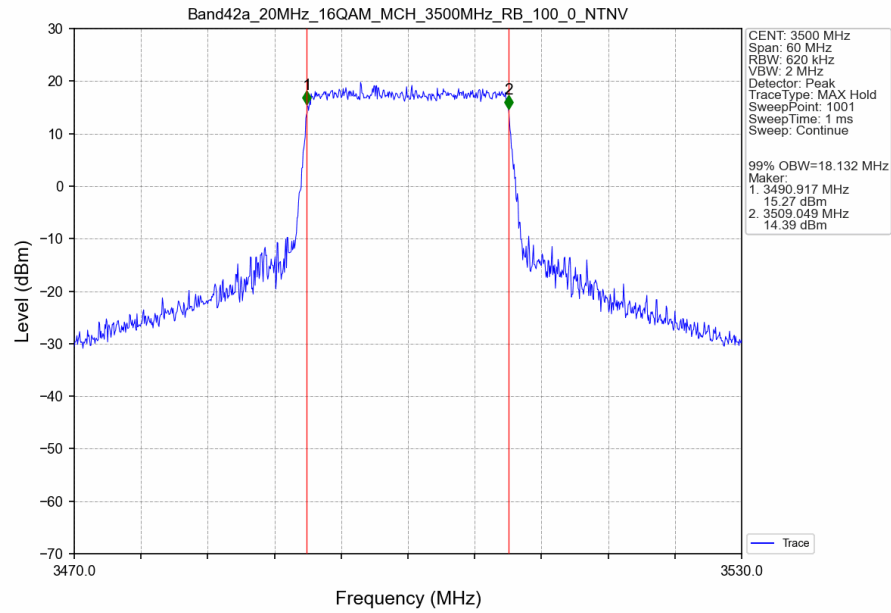
Band42a 15MHz 256QAM MCH 3500MHz RB 75 0 NTV



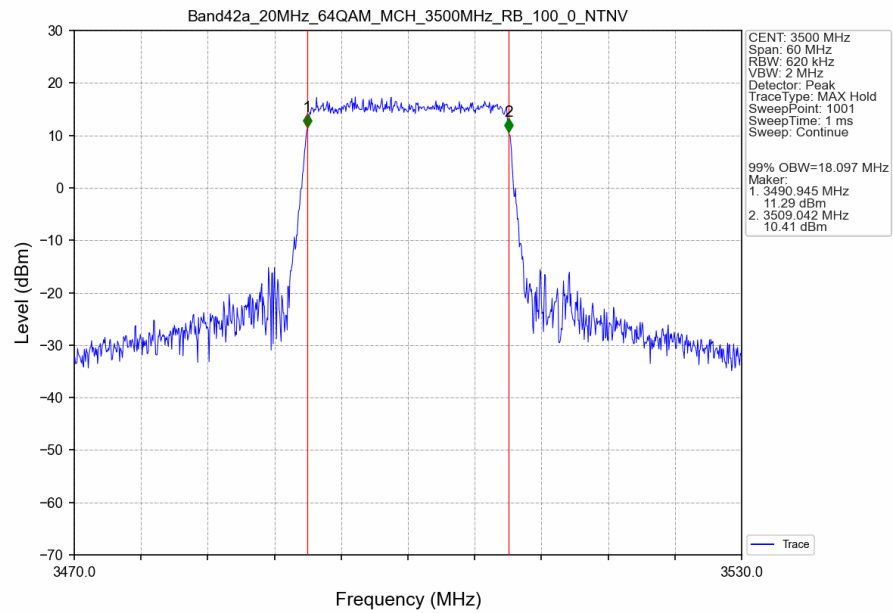
Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTV



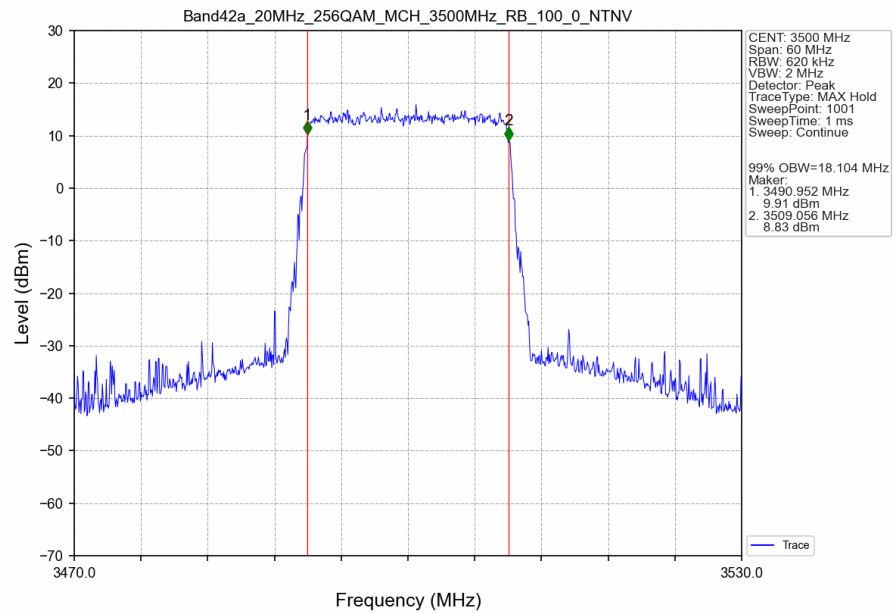
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTV



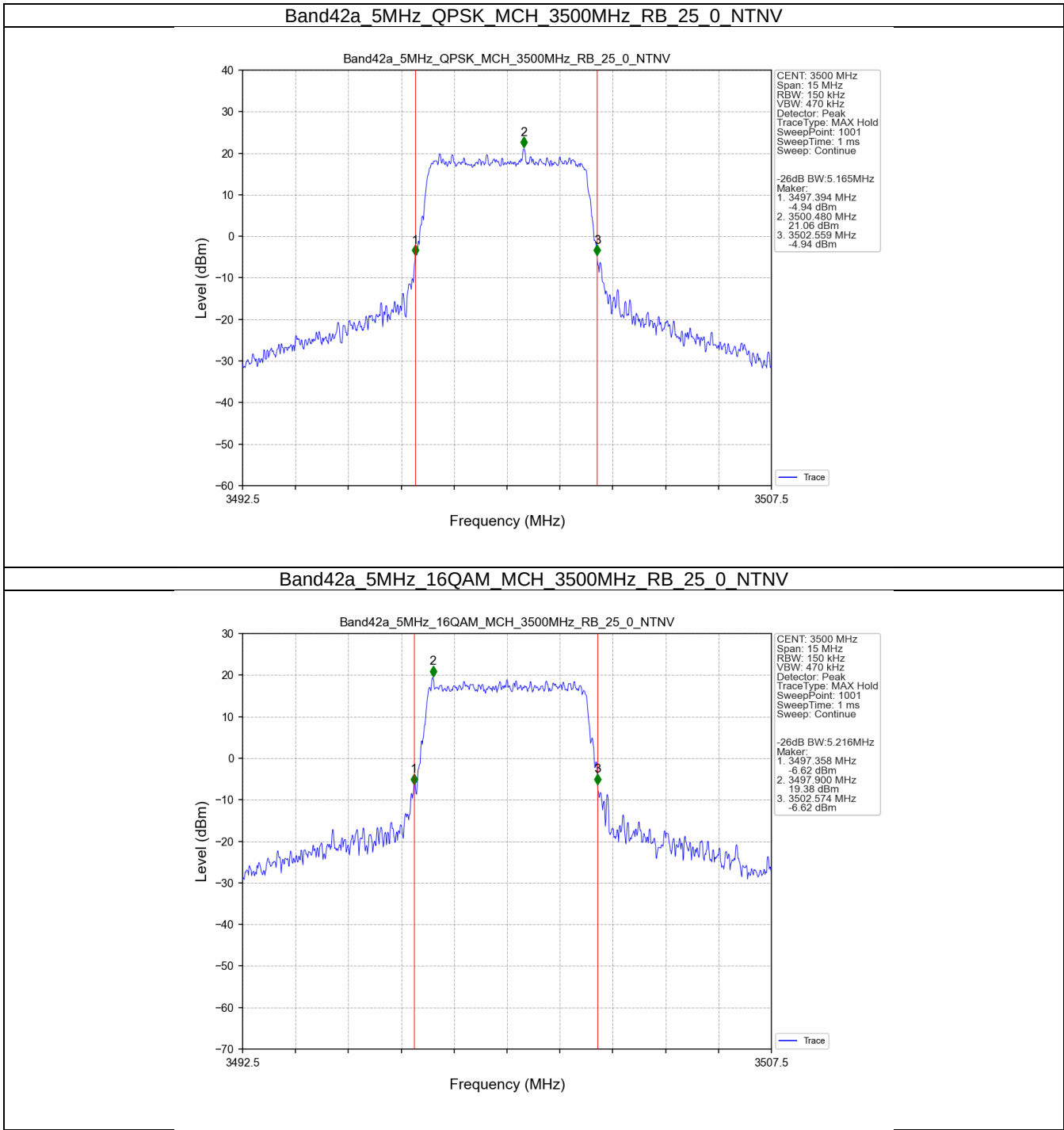
Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTV



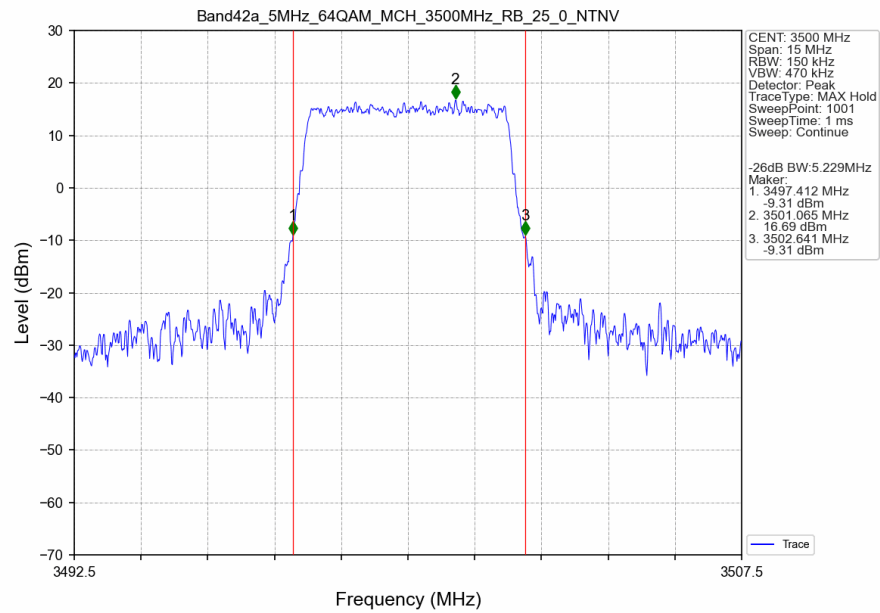
Band42a 20MHz 256QAM MCH 3500MHz RB 100 0 NTV



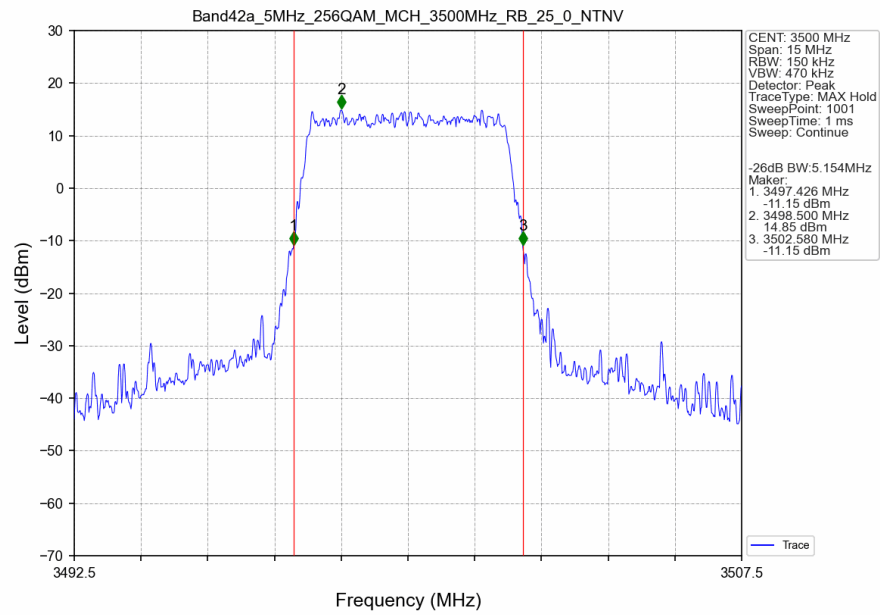
3.2.2 Band42a_XDB



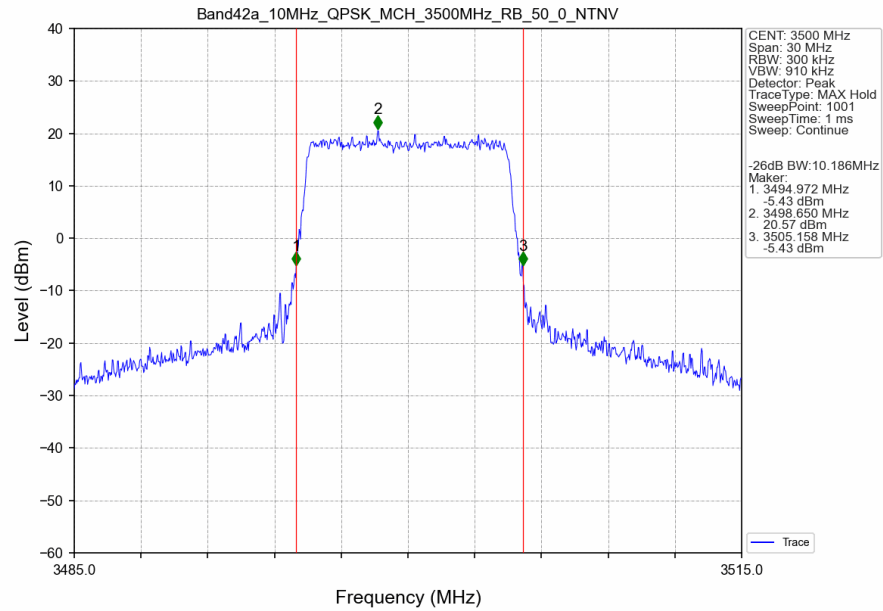
Band42a 5MHz 64QAM MCH 3500MHz RB 25 0 NTNV



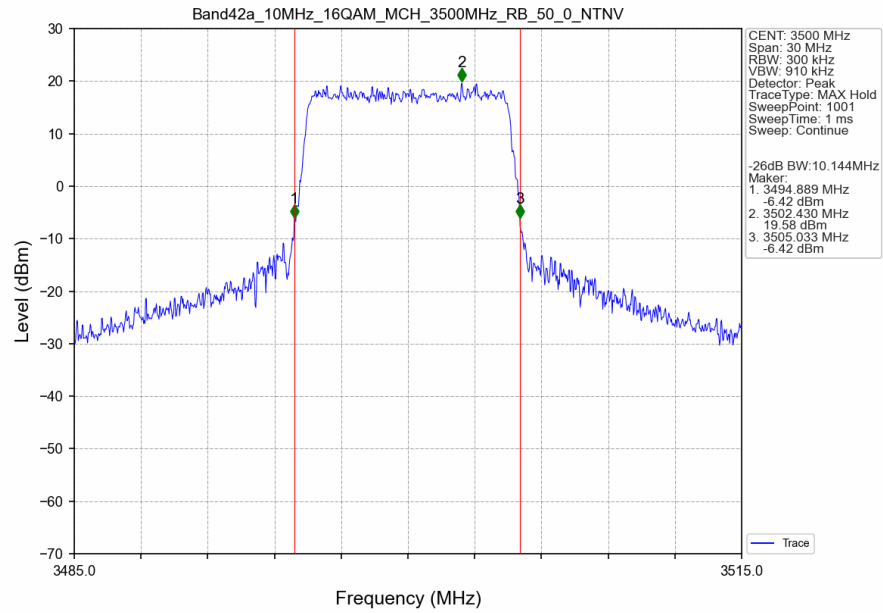
Band42a 5MHz 256QAM MCH 3500MHz RB 25 0 NTNV



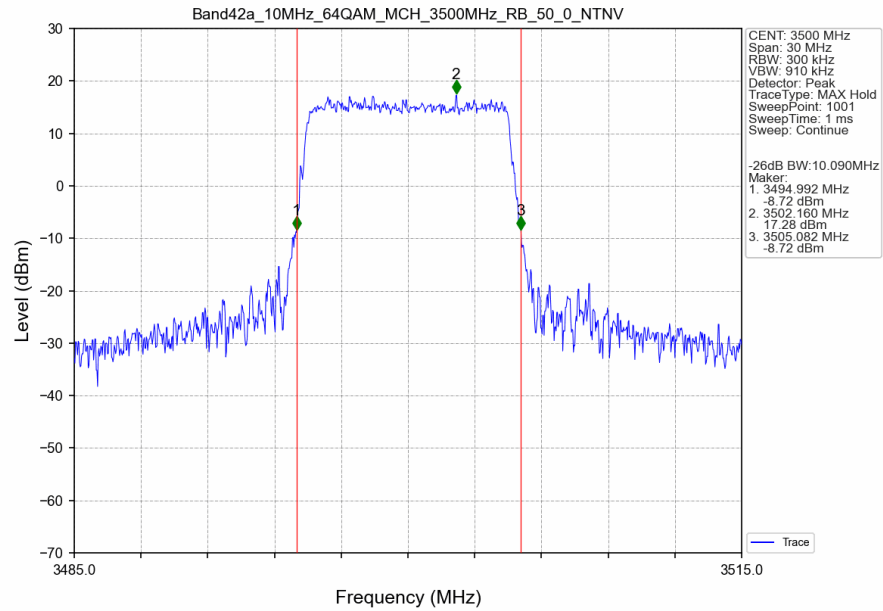
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTV



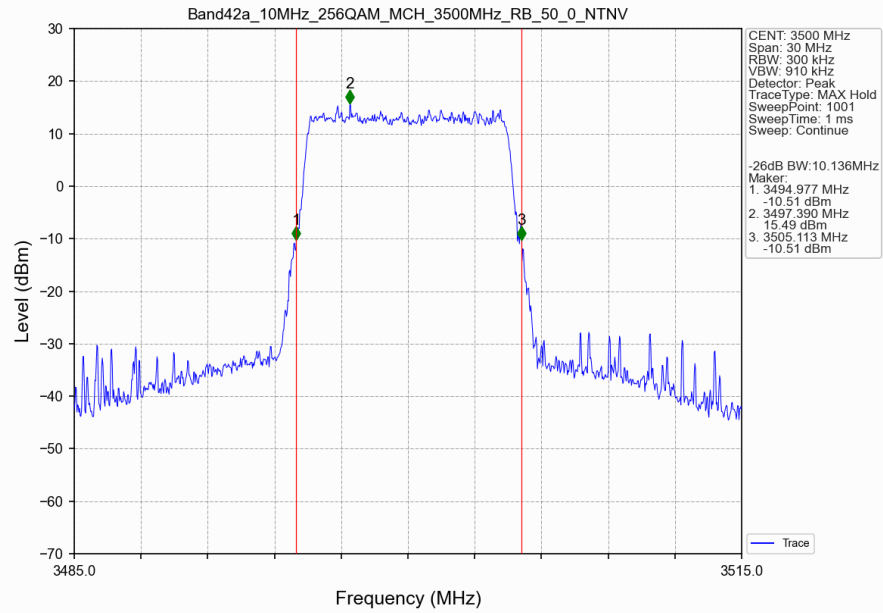
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTV



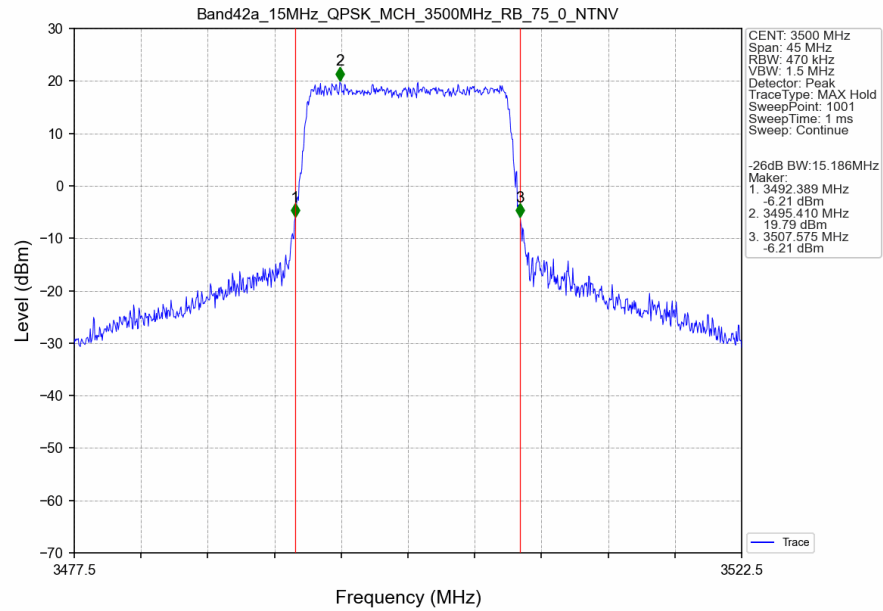
Band42a 10MHz 64QAM MCH 3500MHz RB 50 0 NTV



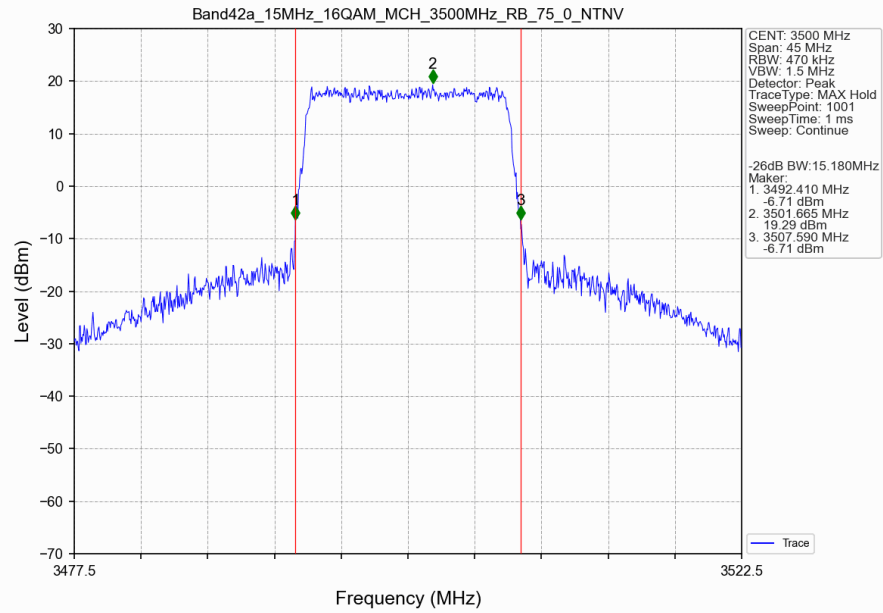
Band42a 10MHz 256QAM MCH 3500MHz RB 50 0 NTV



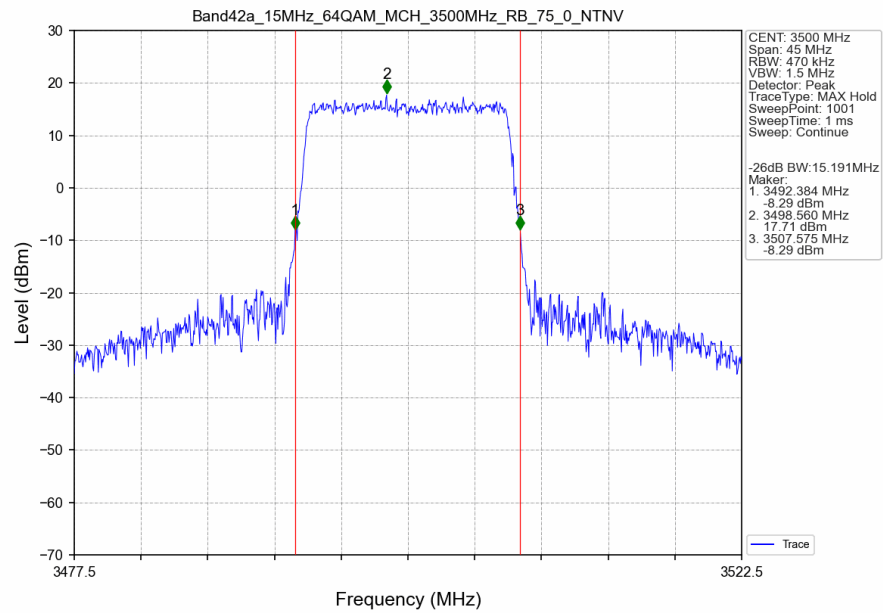
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTV



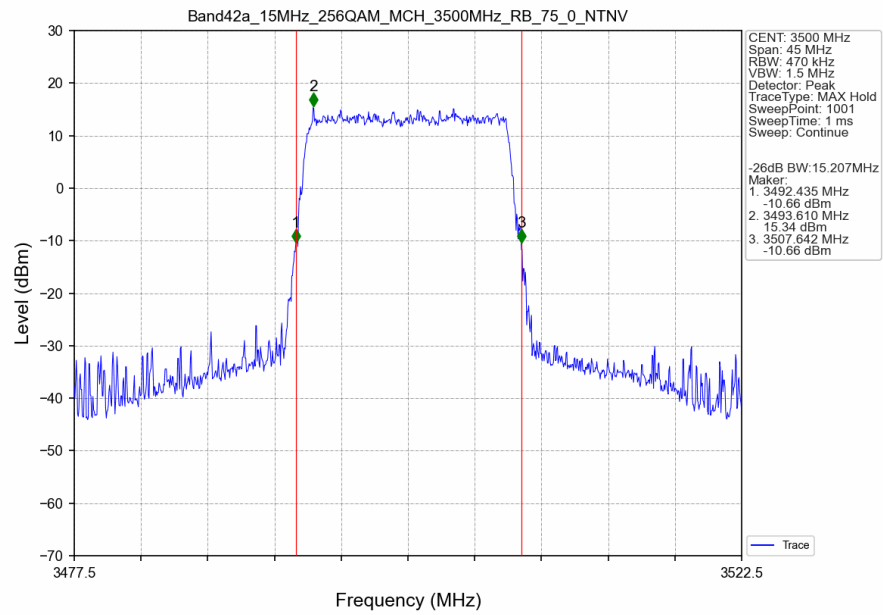
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTV



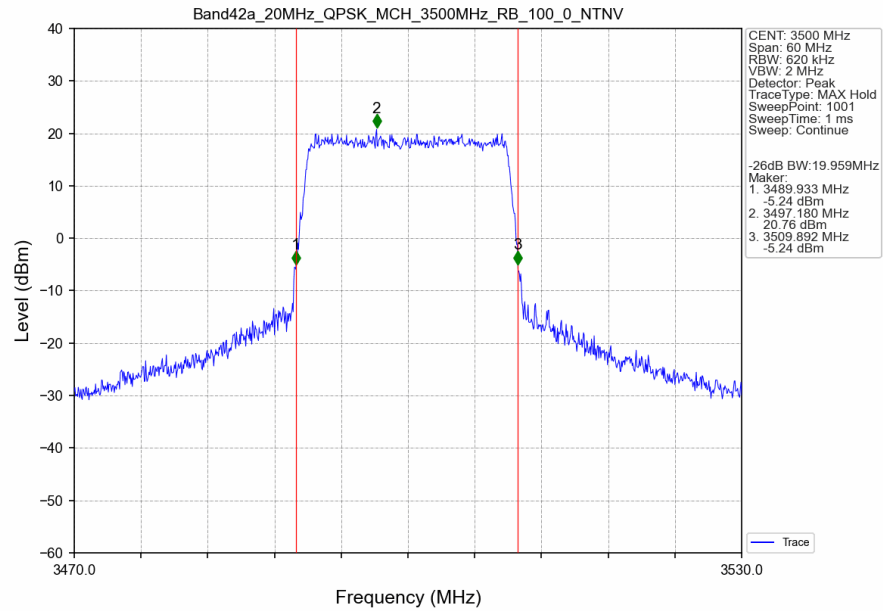
Band42a 15MHz 64QAM MCH 3500MHz RB 75 0 NTV



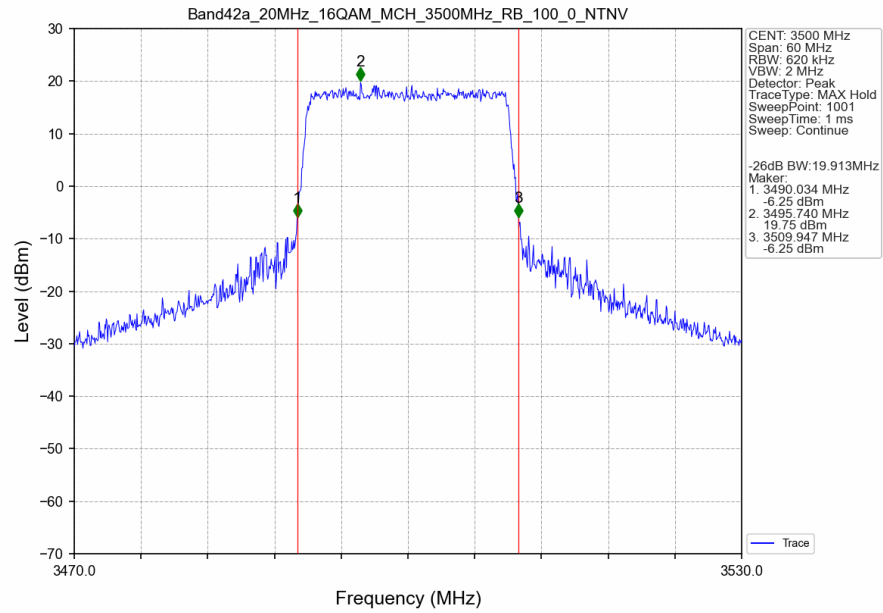
Band42a 15MHz 256QAM MCH 3500MHz RB 75 0 NTV



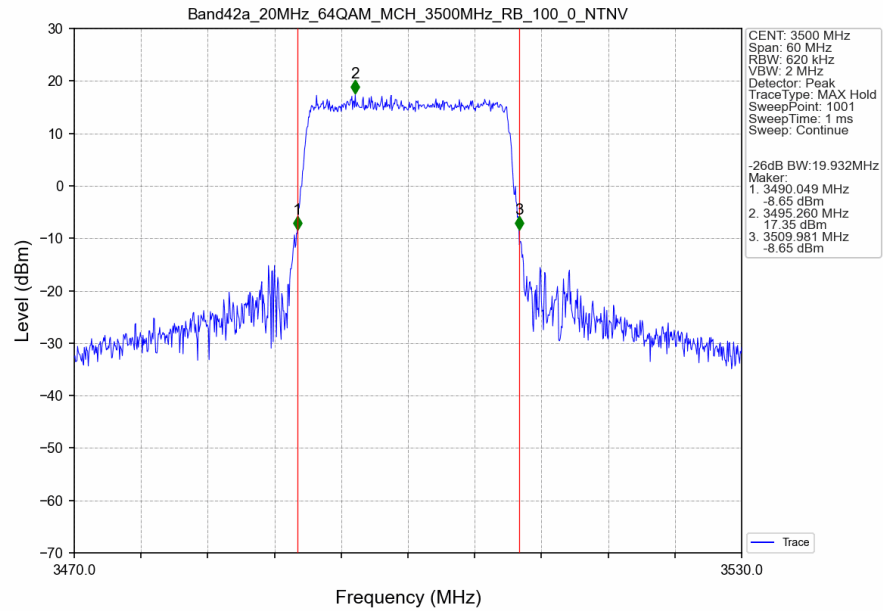
Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTV



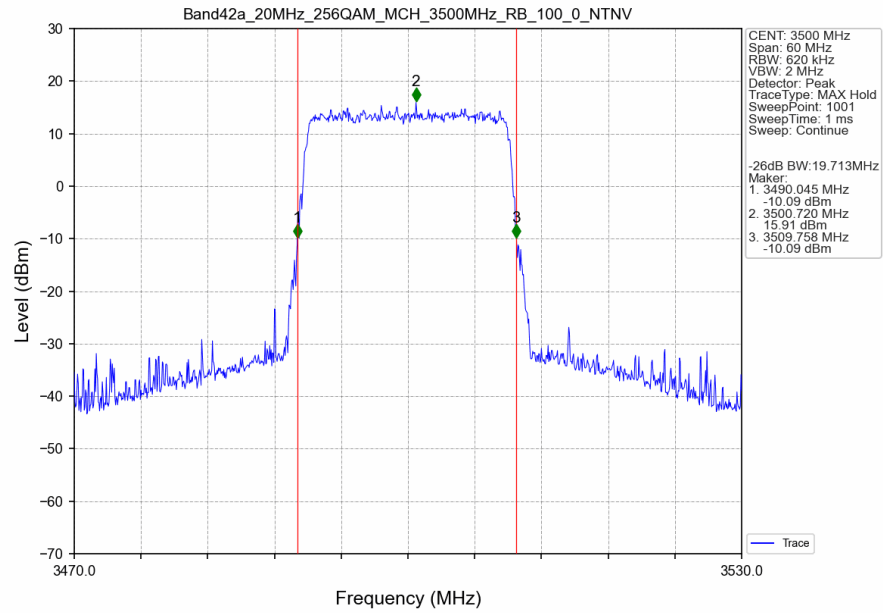
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTV



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



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



4. Peak-Average Ratio

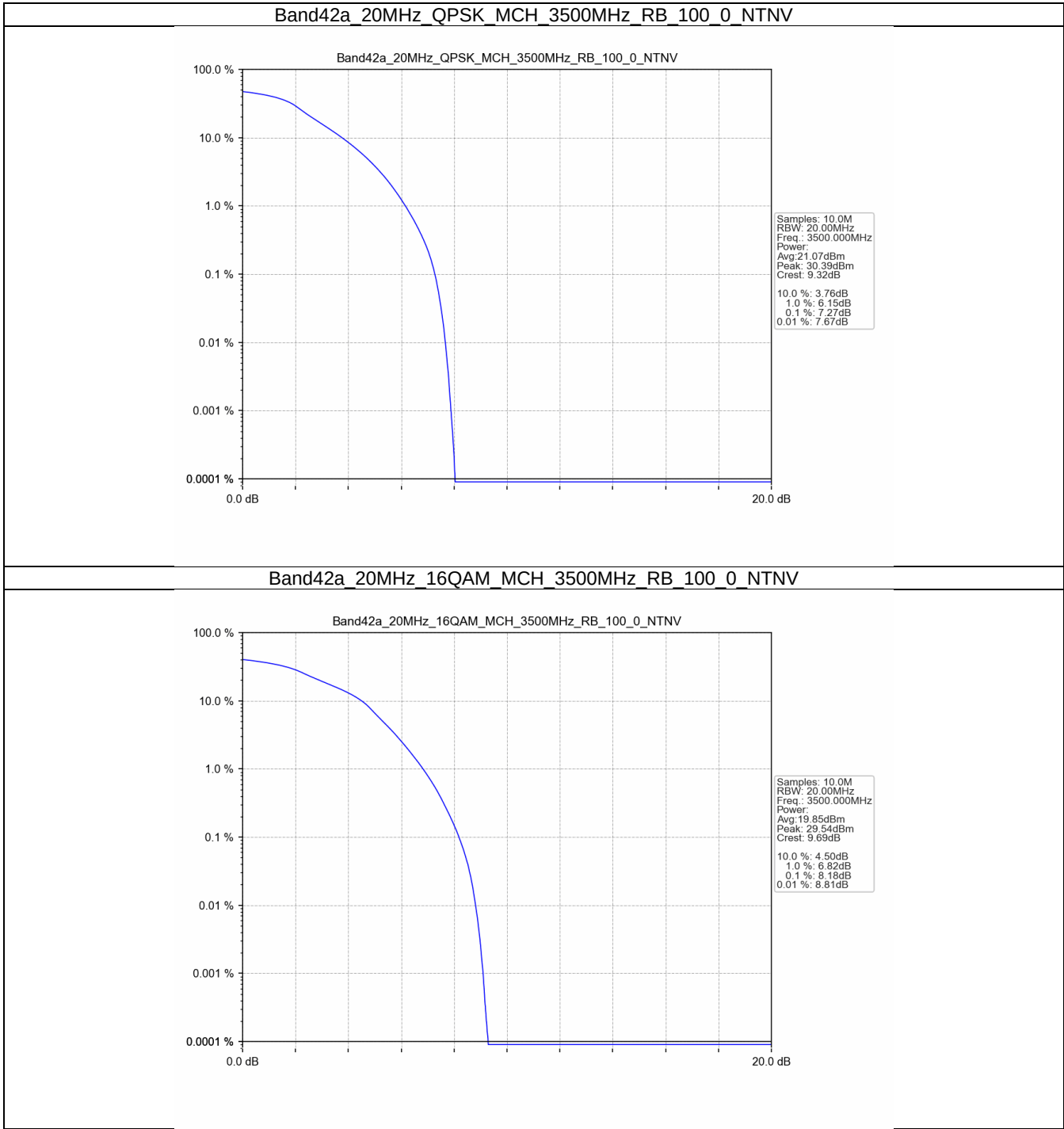
4.1 Test Result

4.1.1 B42a_20MHz

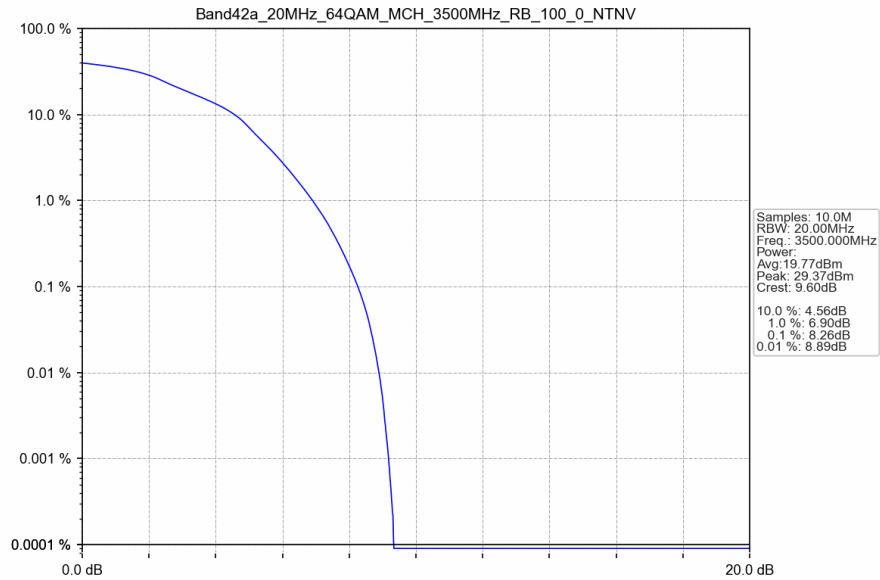
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3500	100	0	7.27	<=13	Pass
16QAM	3500	100	0	8.18	<=13	Pass
64QAM	3500	100	0	8.26	<=13	Pass
256QAM	3500	100	0	8.66	<=13	Pass

4.2 Test Graph

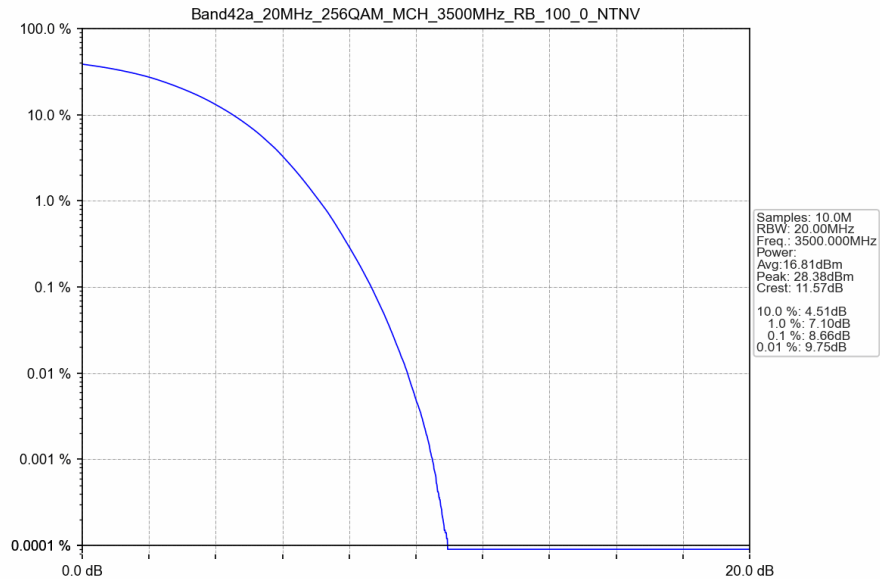
4.2.1 B42a_20MHz



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



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



5. Spurious Emission

5.1 Test Result

5.1.1 B42a_5MHz

Band: 42a / Bandwidth: 5MHz / NTVN						
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

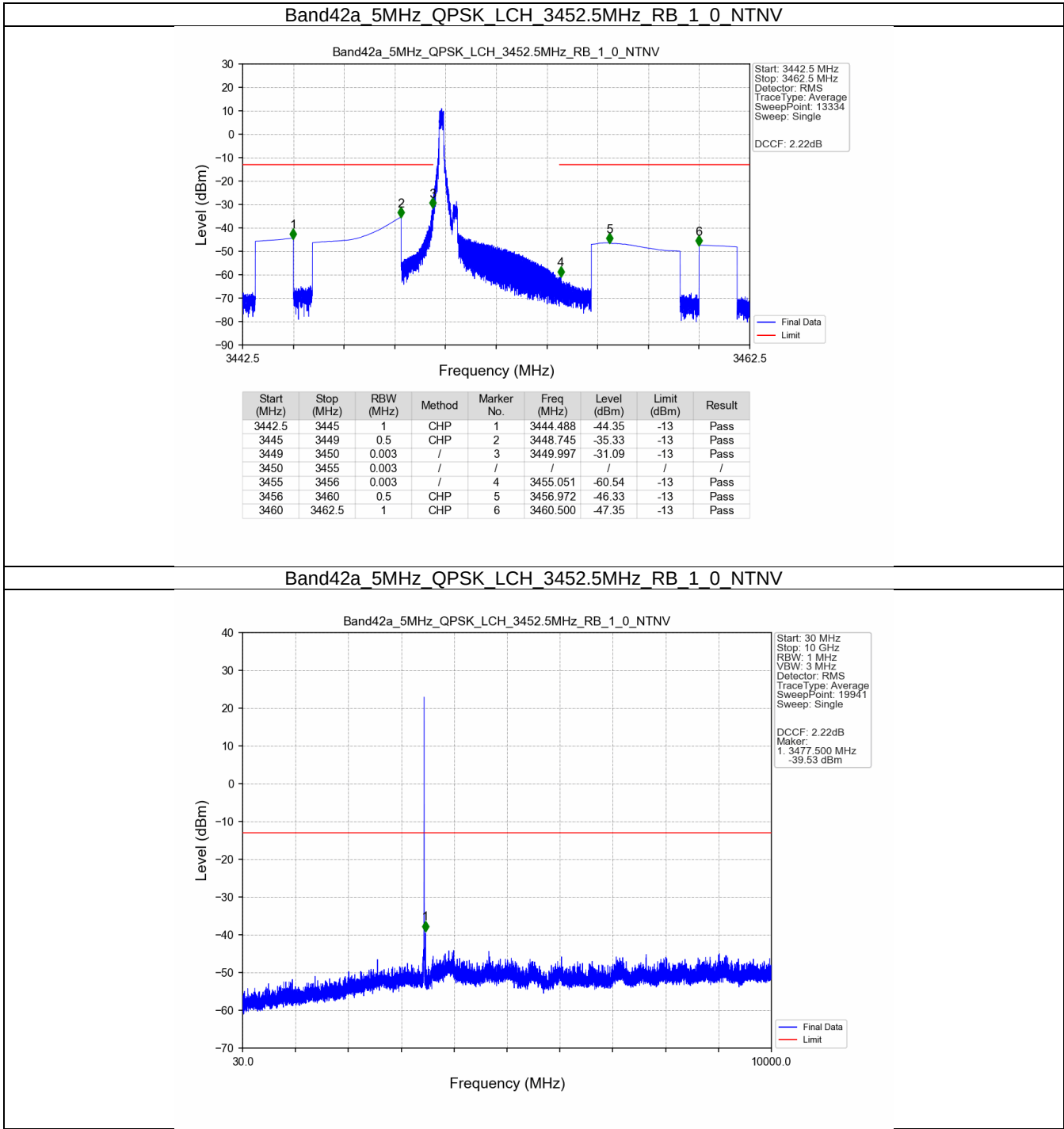
Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3542.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B42a_20MHz

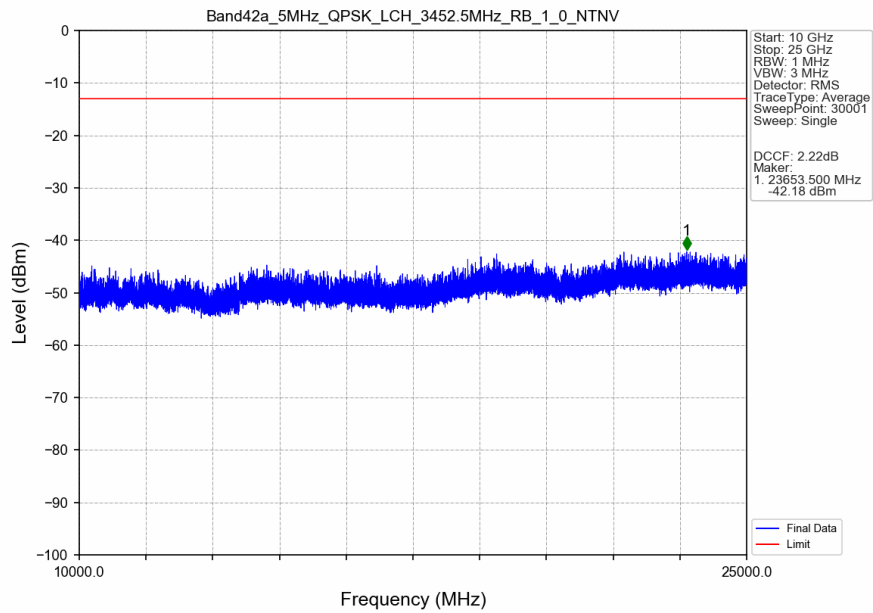
Band: 42a / Bandwidth: 20MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

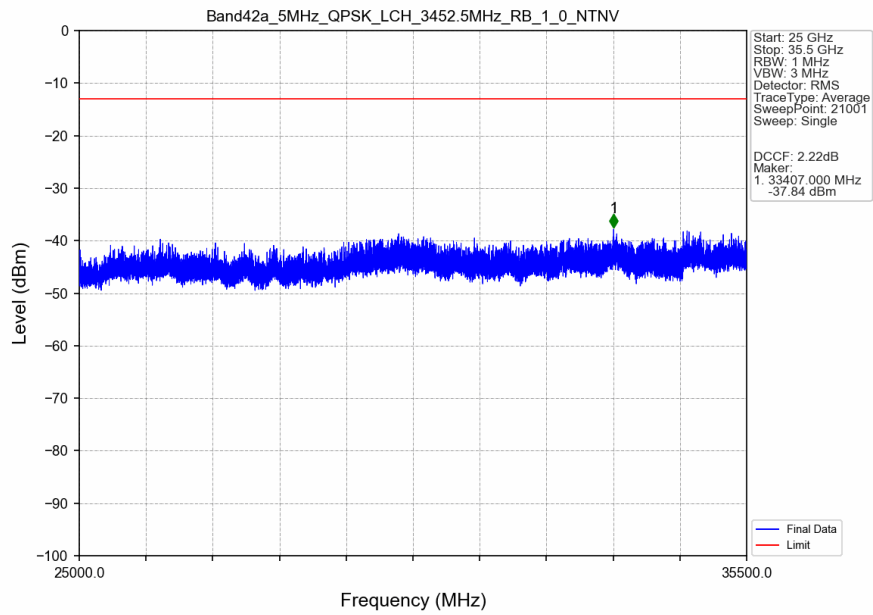
5.2.1 B42a_5MHz



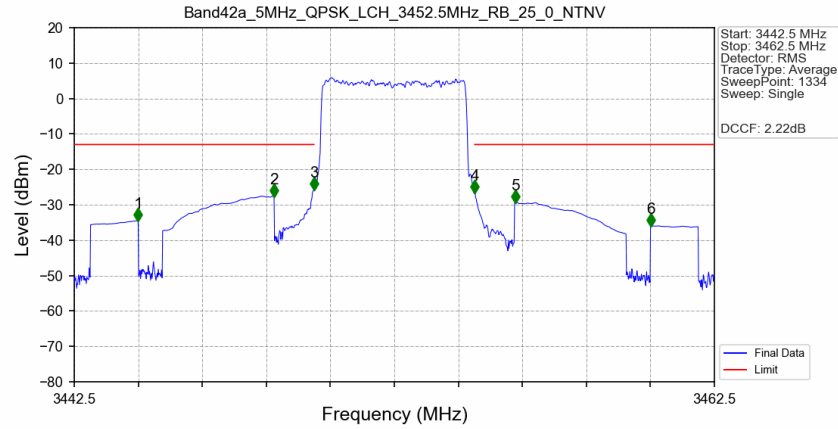
Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV



Band42a 5MHz QPSK LCH 3452.5MHz RB 1 0 NTNV

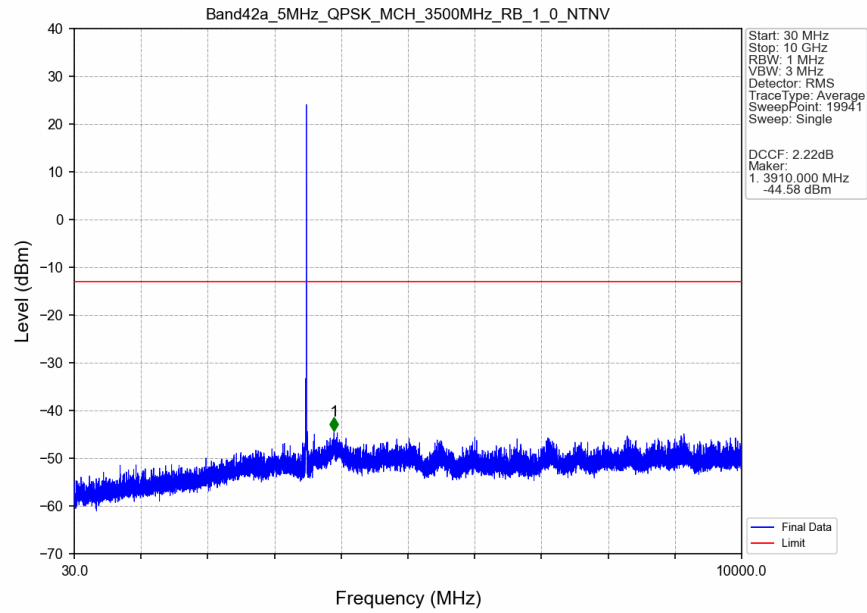


Band42a 5MHz QPSK LCH 3452.5MHz RB 25 0 NTNV

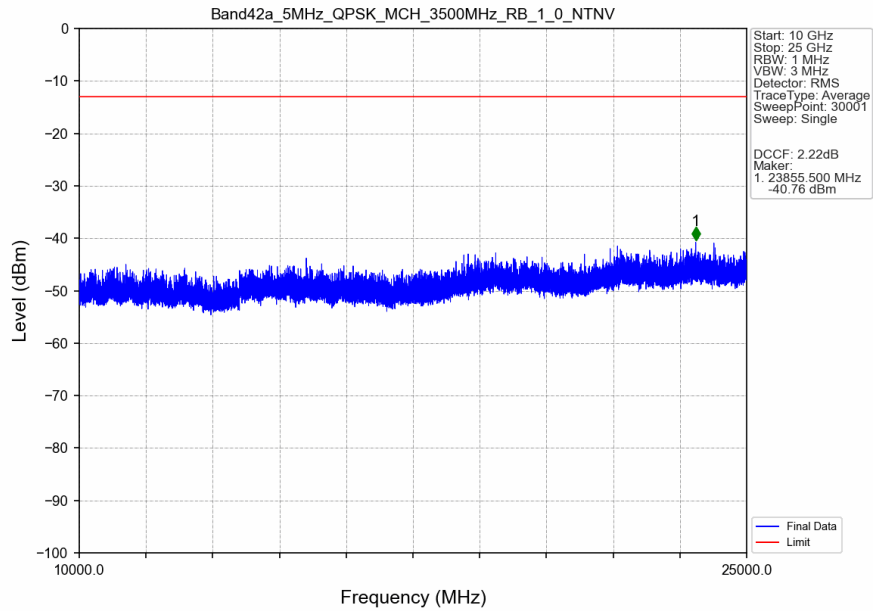


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3442.5	3445	1	CHP	1	3444.495	-34.38	-13	Pass
3445	3449	0.5	CHP	2	3448.742	-27.52	-13	Pass
3449	3450	0.052	CHP	3	3449.987	-25.64	-13	Pass
3450	3455	0.052	CHP	/	/	/	/	/
3455	3456	0.052	CHP	4	3455.013	-26.50	-13	Pass
3456	3460	0.5	CHP	5	3456.288	-29.33	-13	Pass
3460	3462.5	1	CHP	6	3460.505	-35.93	-13	Pass

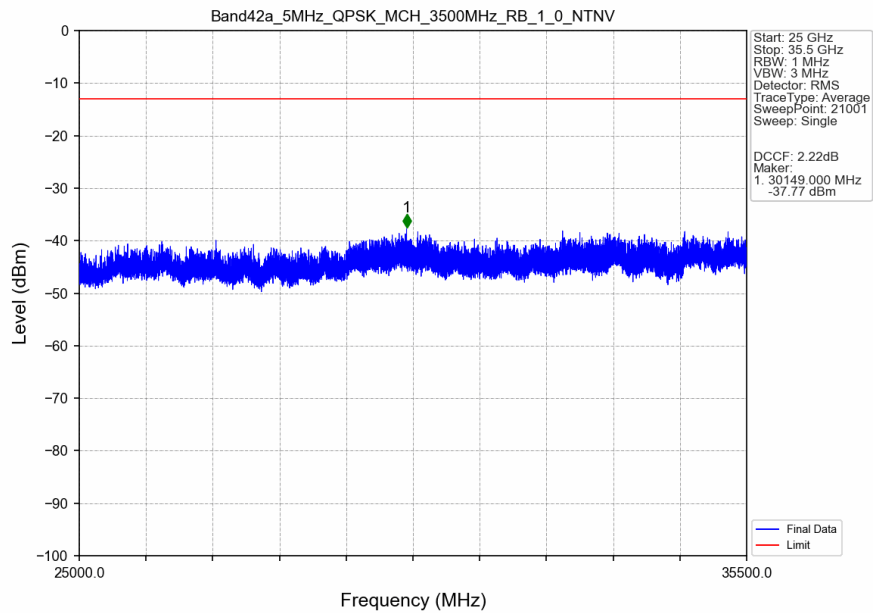
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



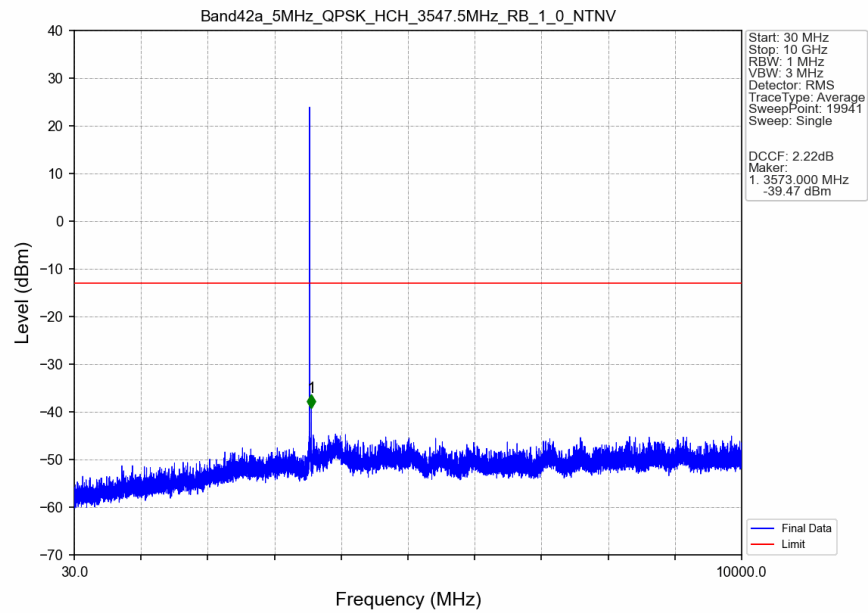
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



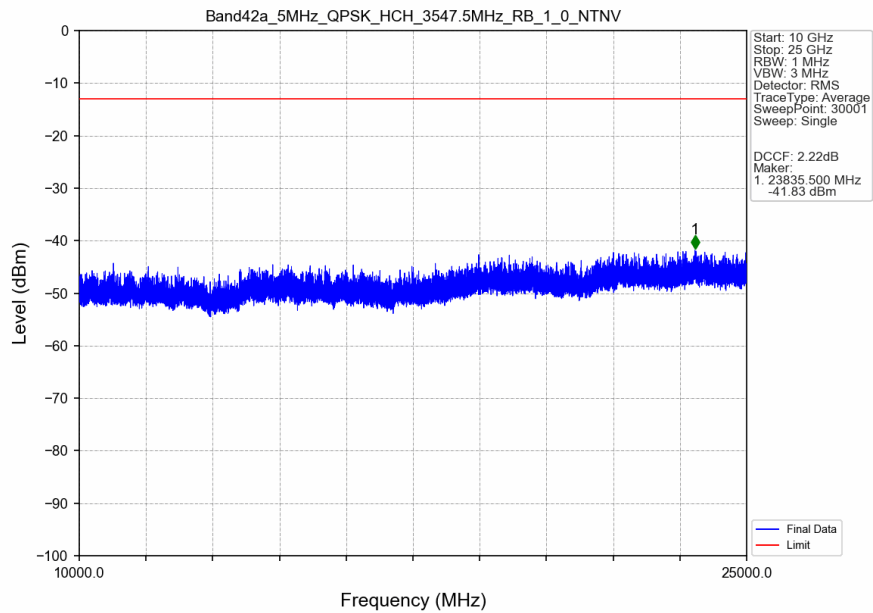
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



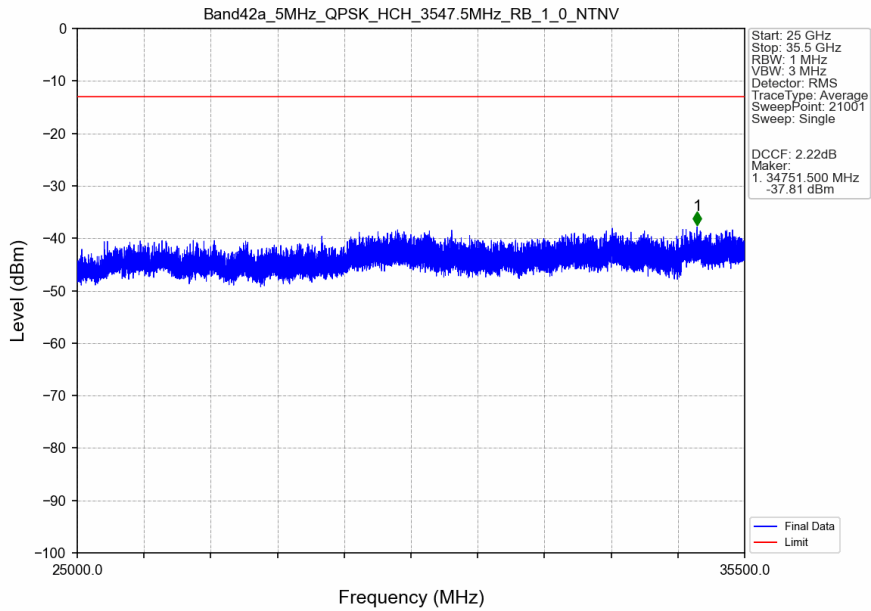
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTV



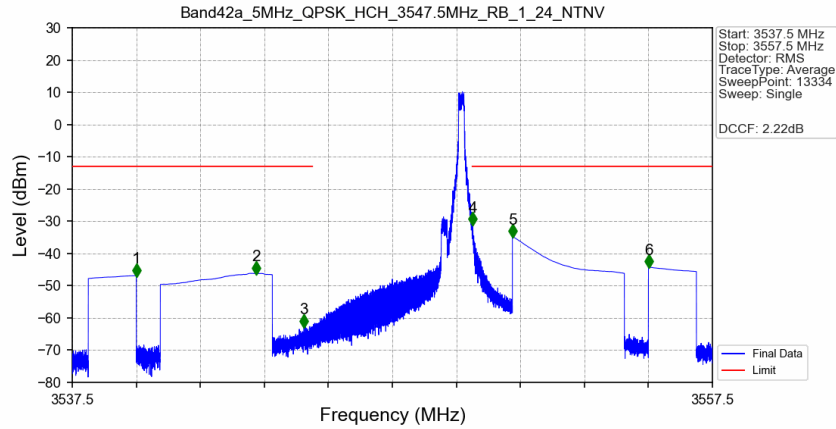
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTV



Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTNV

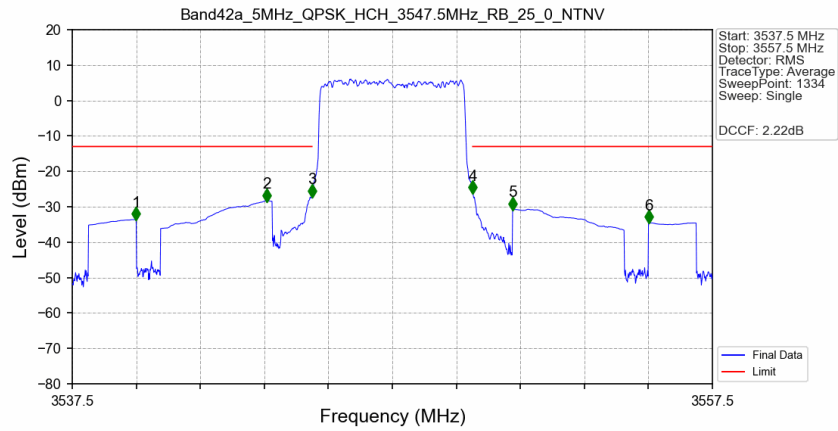


Band42a 5MHz QPSK HCH 3547.5MHz RB 1 24 NTNV



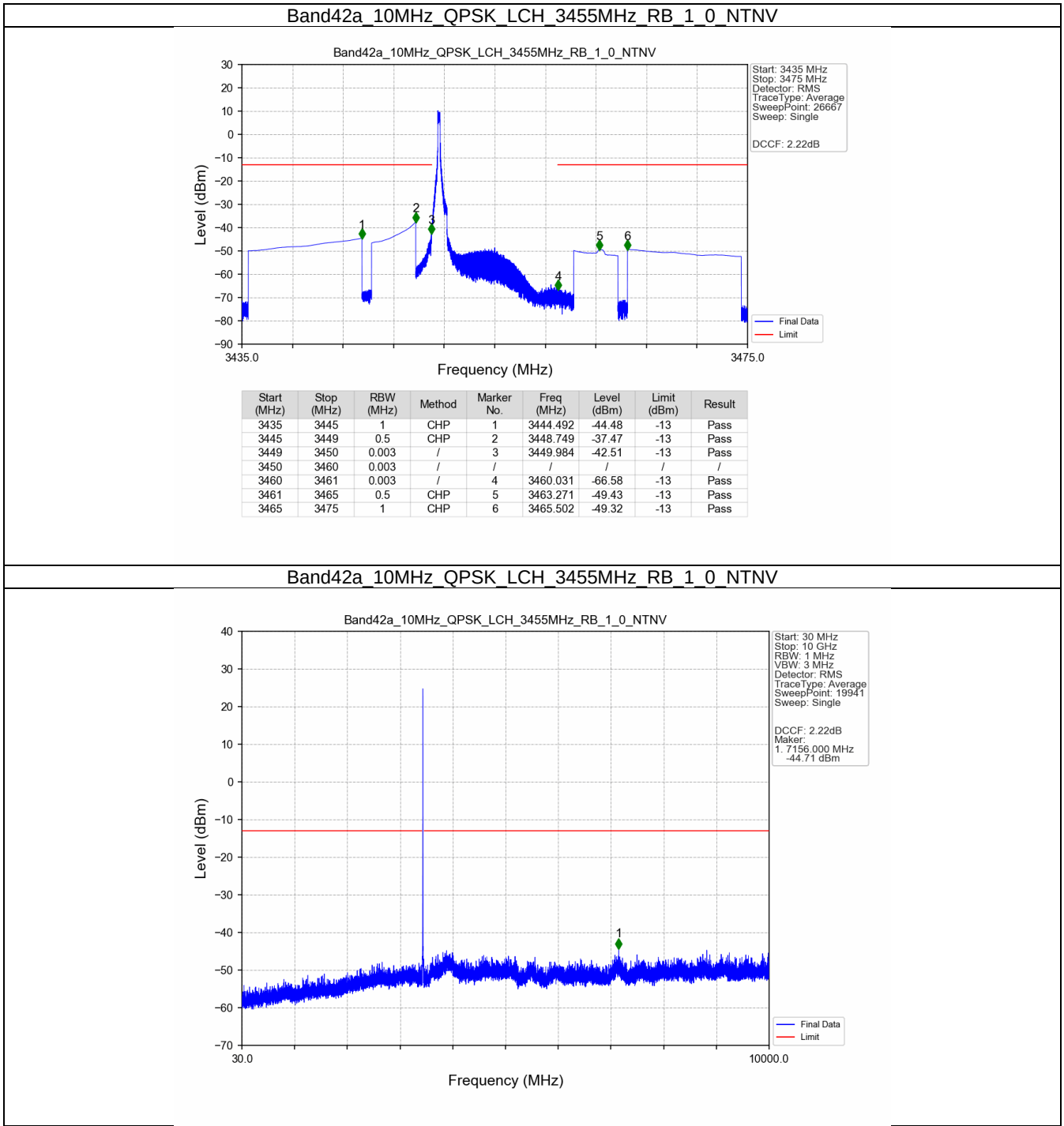
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.500	-46.90	-13	Pass
3540	3544	0.5	CHP	2	3543.247	-46.15	-13	Pass
3544	3545	0.003	/	3	3544.739	-62.59	-13	Pass
3545	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.016	-30.95	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-34.70	-13	Pass
3555	3557.5	1	CHP	6	3555.506	-44.22	-13	Pass

Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTN

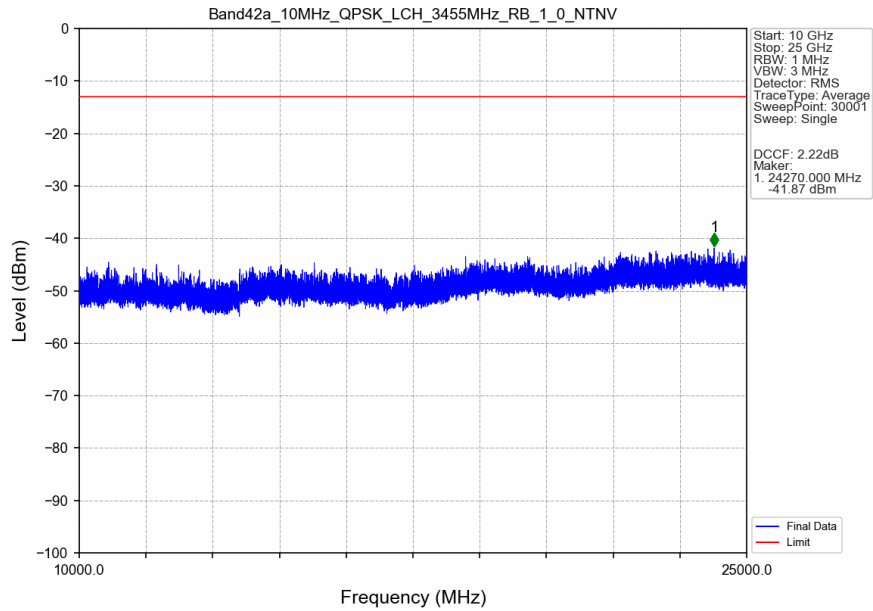


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.495	-33.50	-13	Pass
3540	3544	0.5	CHP	2	3543.577	-28.29	-13	Pass
3544	3545	0.052	CHP	3	3544.987	-27.04	-13	Pass
3545	3550	0.052	CHP	/	/	/	/	/
3550	3551	0.052	CHP	4	3550.013	-26.01	-13	Pass
3551	3555	0.5	CHP	5	3551.258	-30.62	-13	Pass
3555	3557.5	1	CHP	6	3555.505	-34.45	-13	Pass

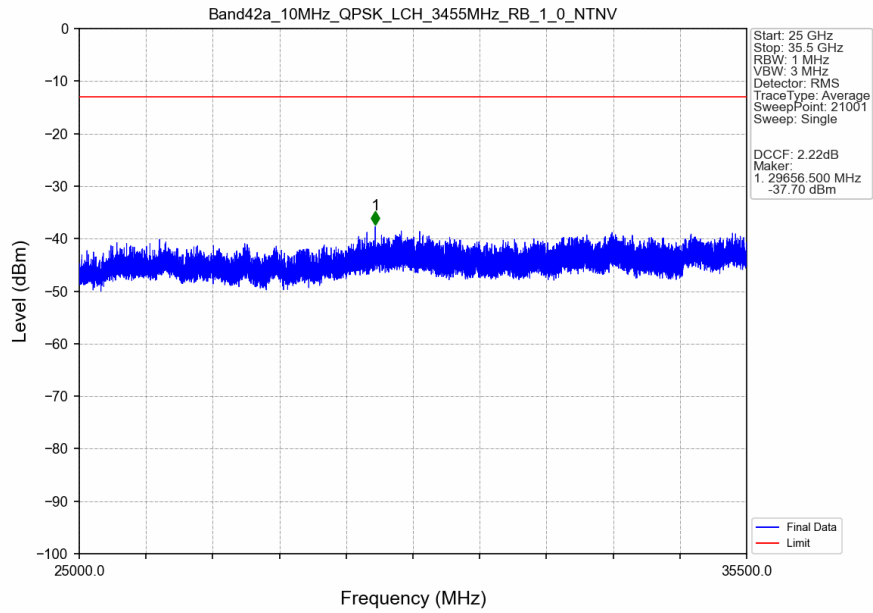
5.2.2 B42a_10MHz



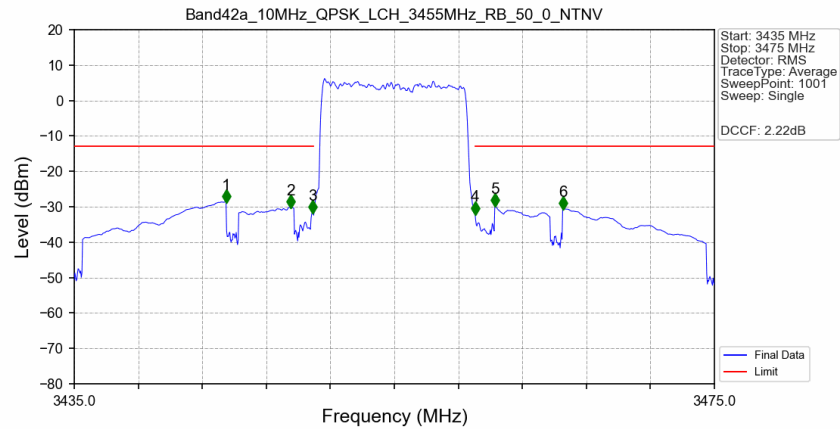
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

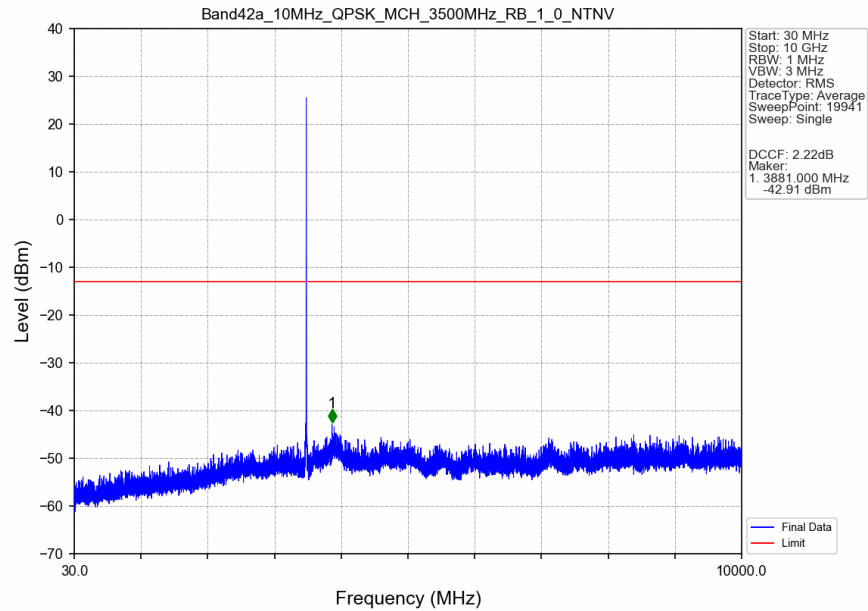


Band42a 10MHz QPSK LCH 3455MHz RB 50 0 NTV

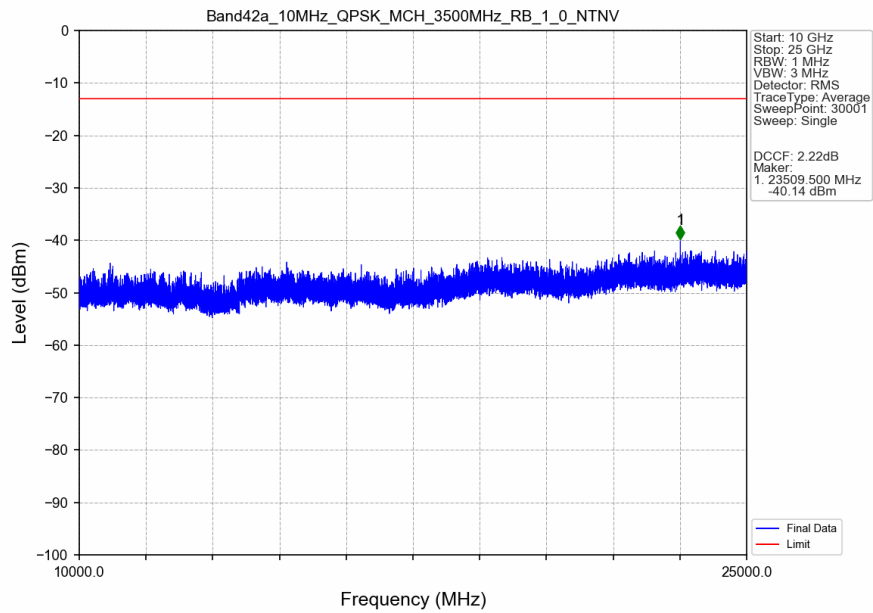


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3444.480	-28.57	-13	Pass
3445	3449	0.5	CHP	2	3448.520	-30.05	-13	Pass
3449	3450	0.102	CHP	3	3449.880	-31.67	-13	Pass
3450	3460	0.102	CHP	/	/	/	/	/
3460	3461	0.102	CHP	4	3460.040	-31.91	-13	Pass
3461	3465	0.5	CHP	5	3461.280	-29.75	-13	Pass
3465	3475	1	CHP	6	3465.560	-30.48	-13	Pass

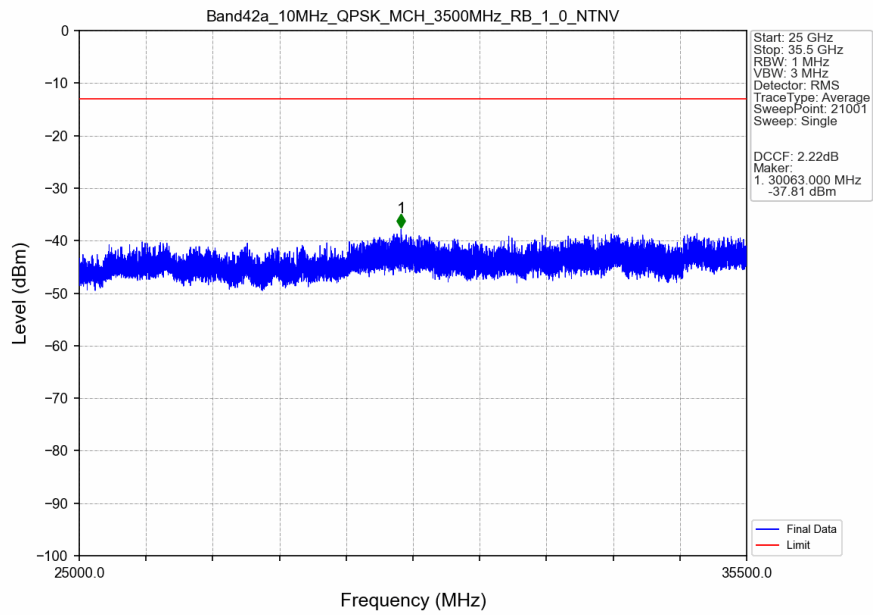
Band42a 10MHz QPSK MCH 3500MHz RB 1 0 NTV



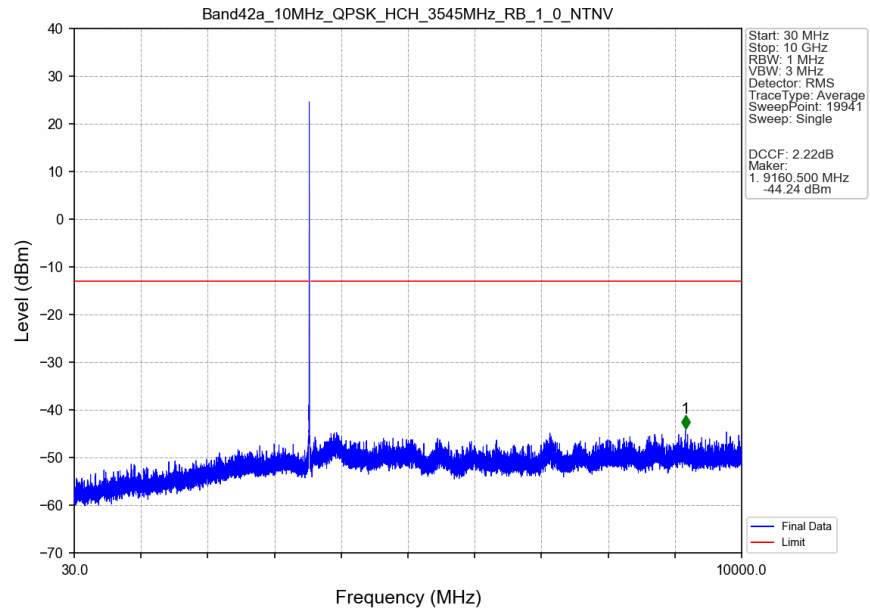
Band42a 10MHz QPSK MCH 3500MHz RB 1 0 NTNV



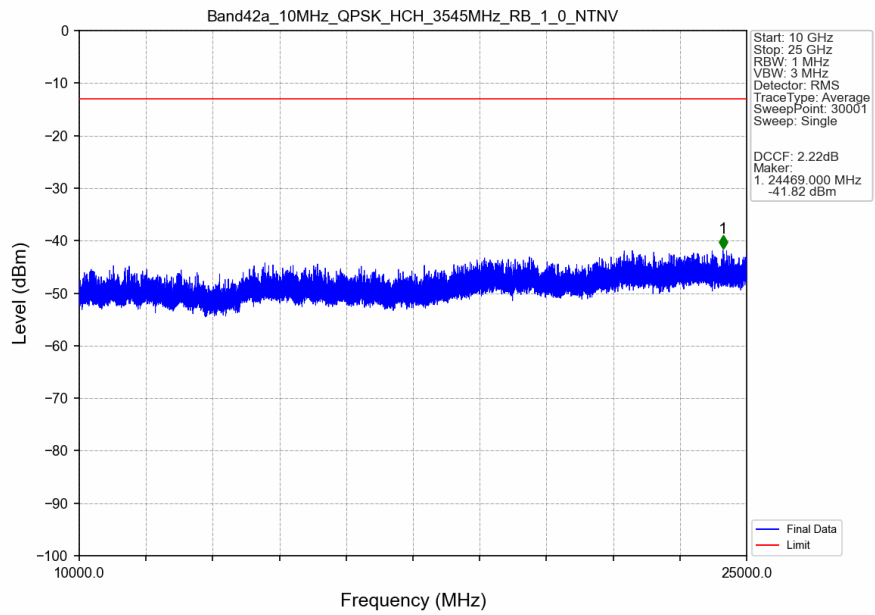
Band42a 10MHz QPSK MCH 3500MHz RB 1 0 NTNV



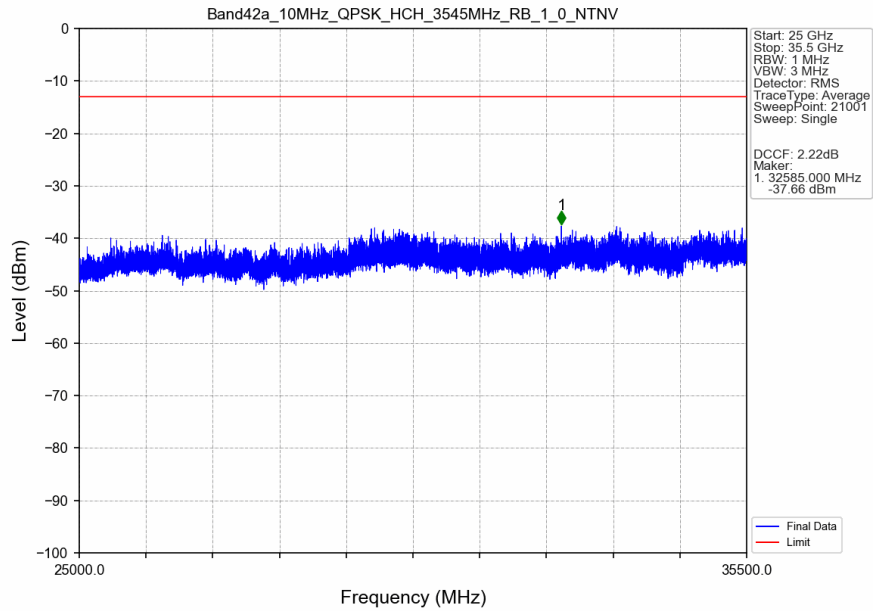
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



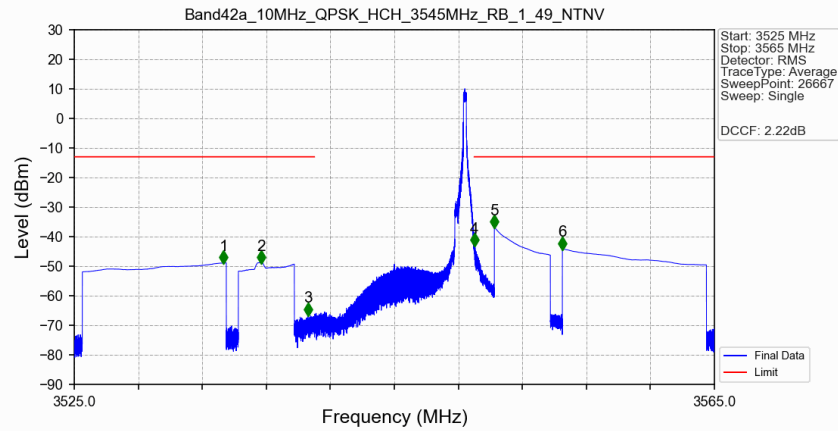
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



Band42a 10MHz QPSK HCH 3545MHz RB 1 0 NTNV

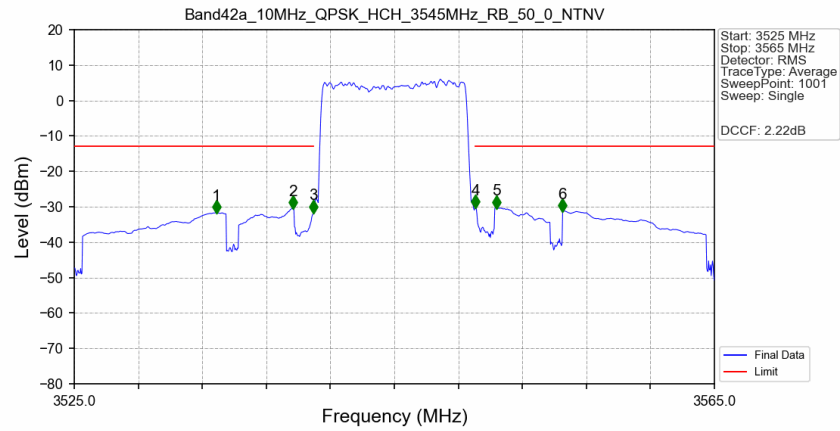


Band42a 10MHz QPSK HCH 3545MHz RB 1 49 NTNV



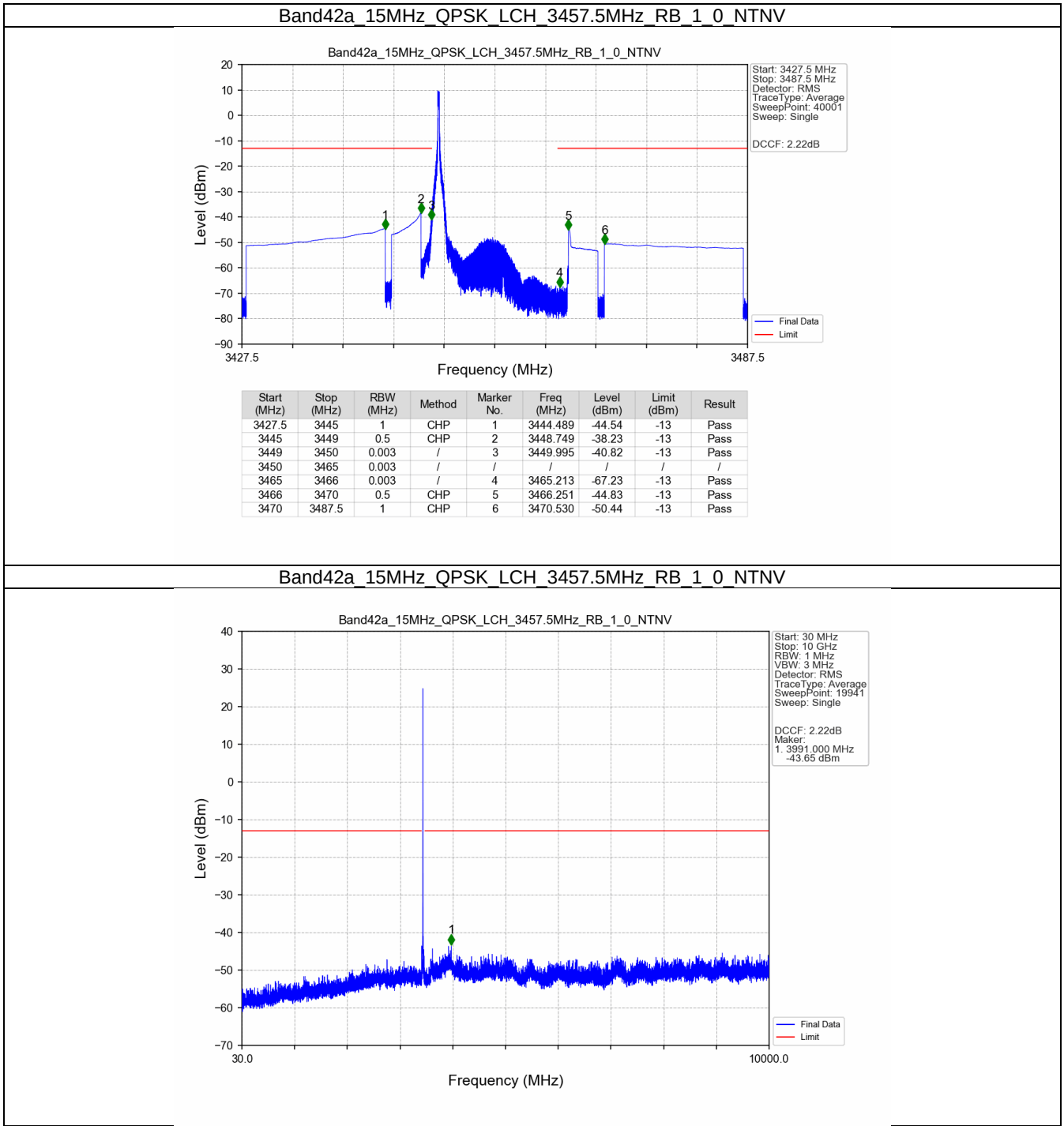
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.329	-48.88	-13	Pass
3535	3539	0.5	CHP	2	3536.681	-48.81	-13	Pass
3539	3540	0.003	/	3	3539.603	-66.39	-13	Pass
3540	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.001	-42.99	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-36.85	-13	Pass
3555	3565	1	CHP	6	3555.500	-44.08	-13	Pass

Band42a 10MHz QPSK HCH 3545MHz RB 50 0 NTV

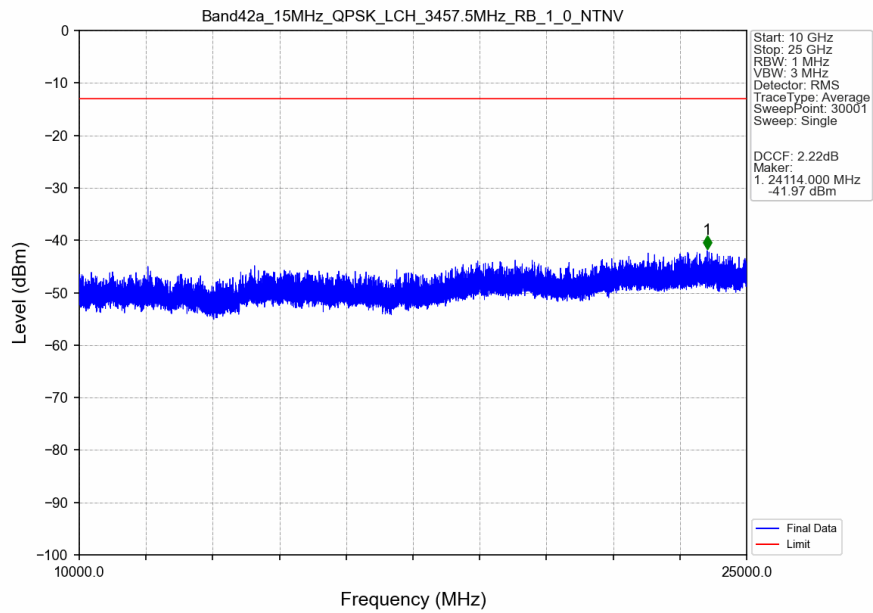


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3533.880	-31.67	-13	Pass
3535	3539	0.5	CHP	2	3538.680	-30.38	-13	Pass
3539	3540	0.102	CHP	3	3539.960	-31.49	-13	Pass
3540	3550	0.102	CHP	/	/	/	/	/
3550	3551	0.102	CHP	4	3550.080	-30.07	-13	Pass
3551	3555	0.5	CHP	5	3551.360	-30.20	-13	Pass
3555	3565	1	CHP	6	3555.520	-31.22	-13	Pass

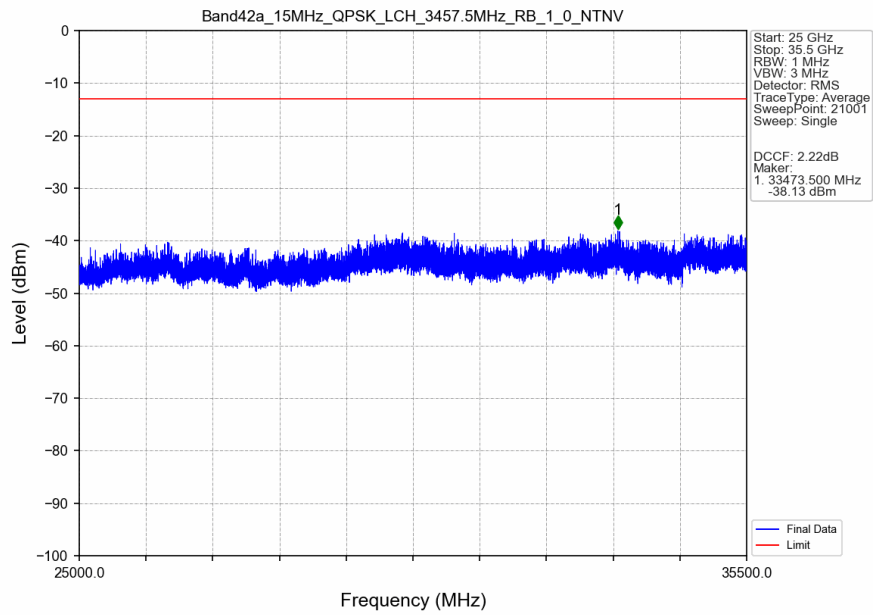
5.2.3 B42a_15MHz



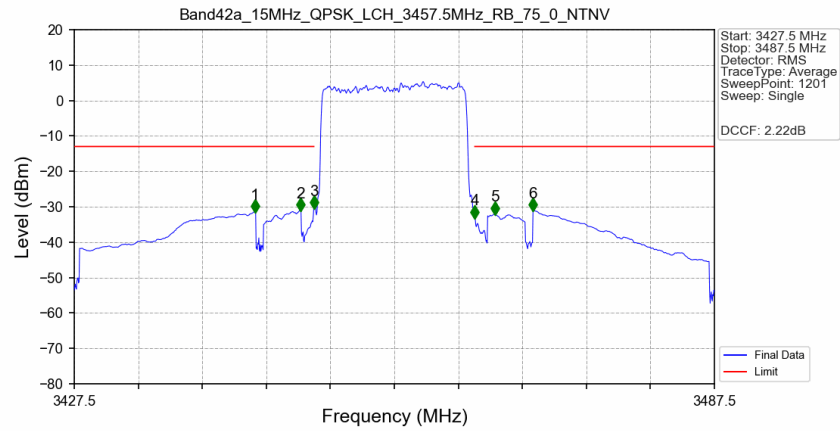
Band42a 15MHz QPSK LCH 3457.5MHz RB 1 0 NTNV



Band42a 15MHz QPSK LCH 3457.5MHz RB 1 0 NTNV

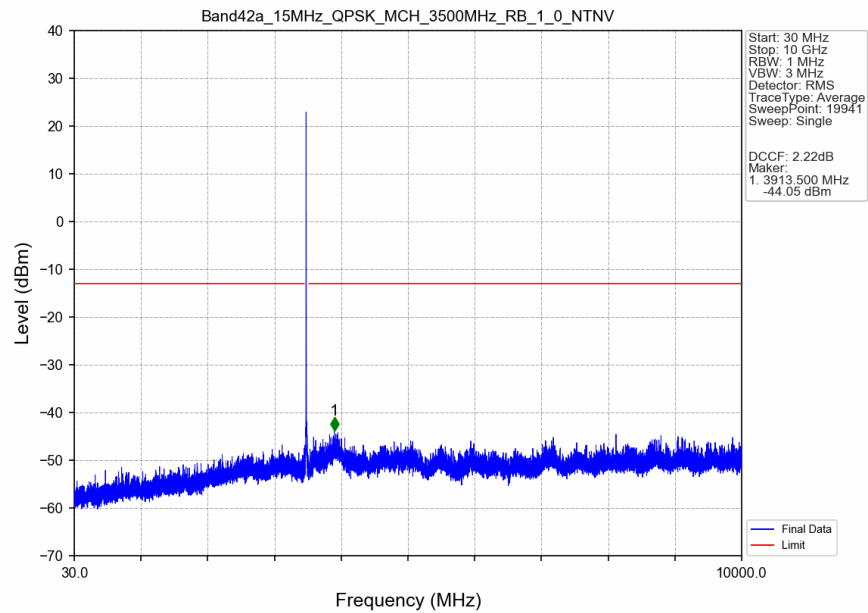


Band42a 15MHz QPSK LCH 3457.5MHz RB 75 0 NTV

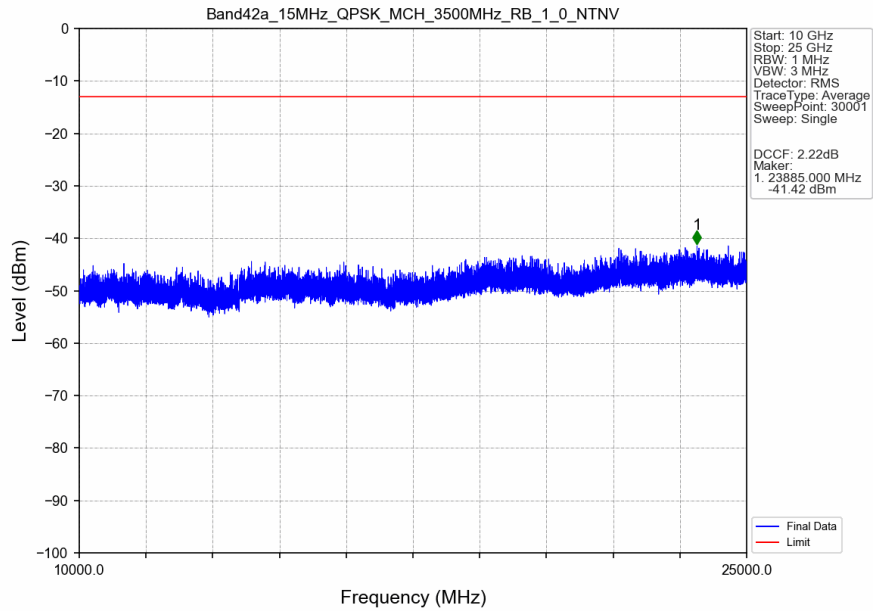


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3427.5	3445	1	CHP	1	3444.450	-31.42	-13	Pass
3445	3449	0.5	CHP	2	3448.700	-30.93	-13	Pass
3449	3450	0.152	CHP	3	3449.950	-30.32	-13	Pass
3450	3465	0.152	CHP	/	/	/	/	/
3465	3466	0.152	CHP	4	3465.050	-32.97	-13	Pass
3466	3470	0.5	CHP	5	3466.900	-31.92	-13	Pass
3470	3487.5	1	CHP	6	3470.500	-31.02	-13	Pass

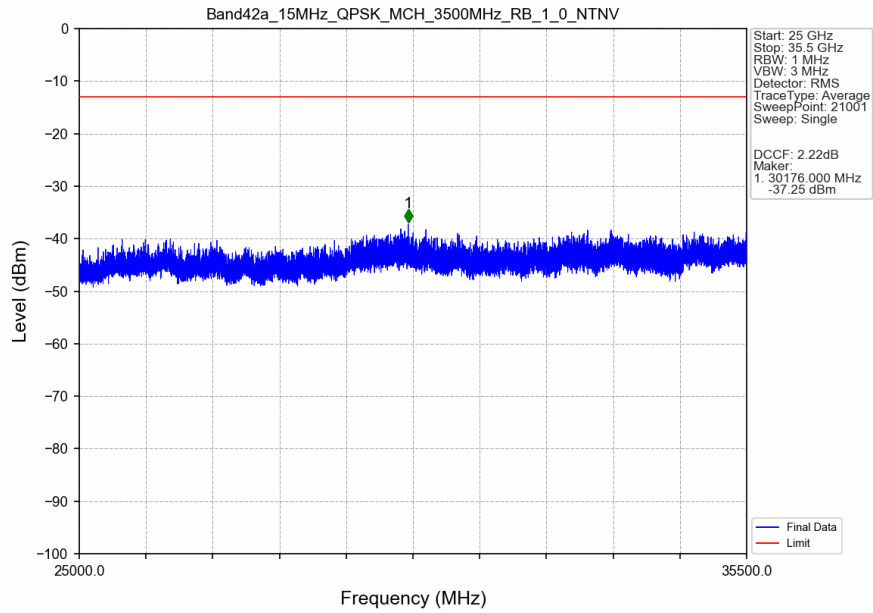
Band42a 15MHz QPSK MCH 3500MHz RB 1 0 NTV



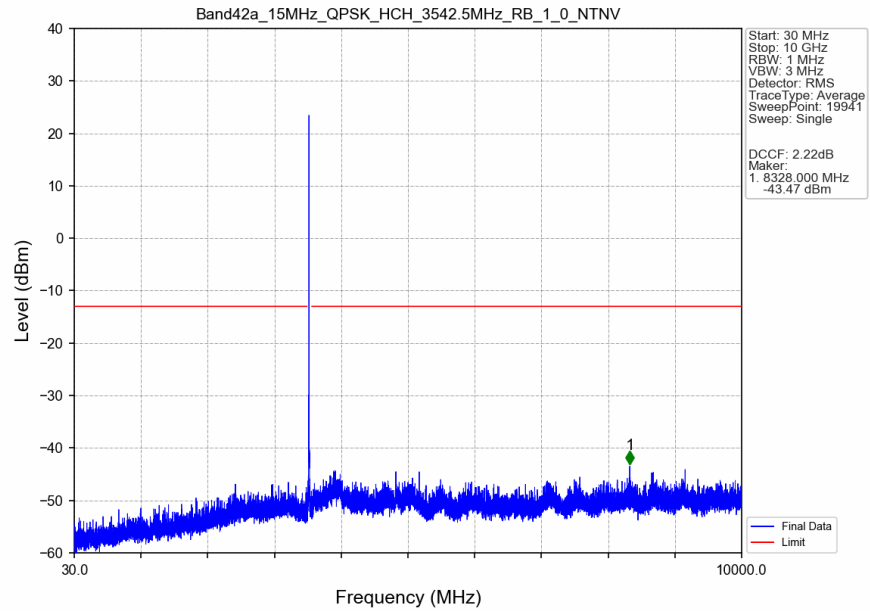
Band42a 15MHz QPSK MCH 3500MHz RB 1 0 NTNV



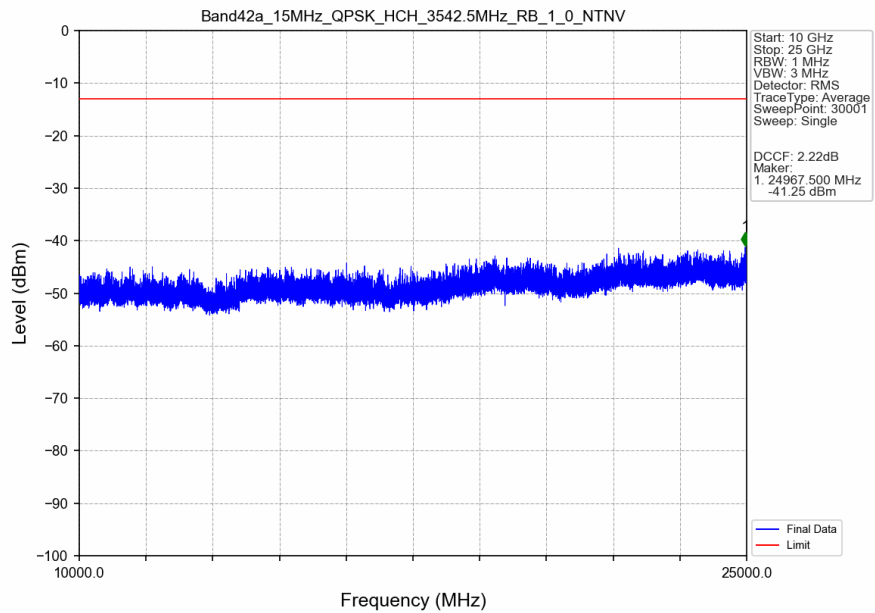
Band42a 15MHz QPSK MCH 3500MHz RB 1 0 NTNV



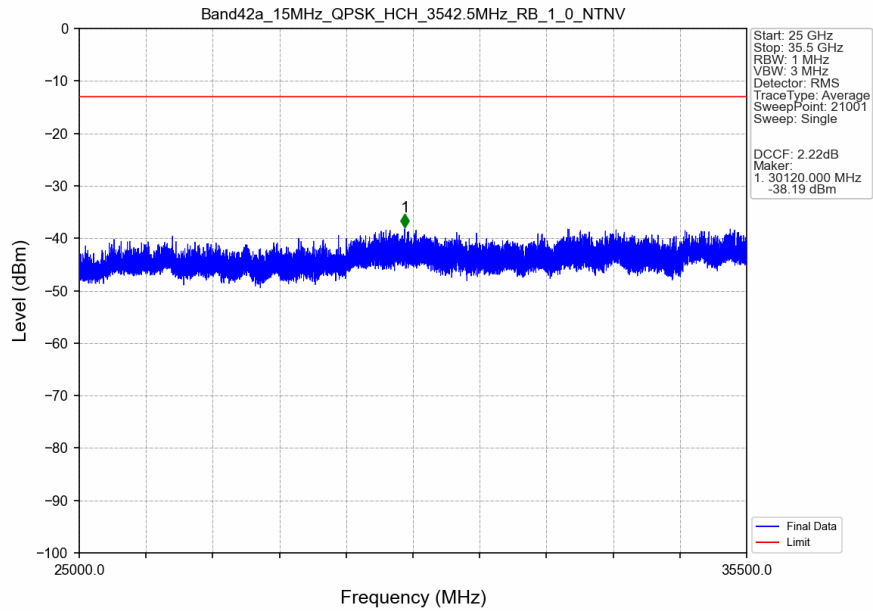
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



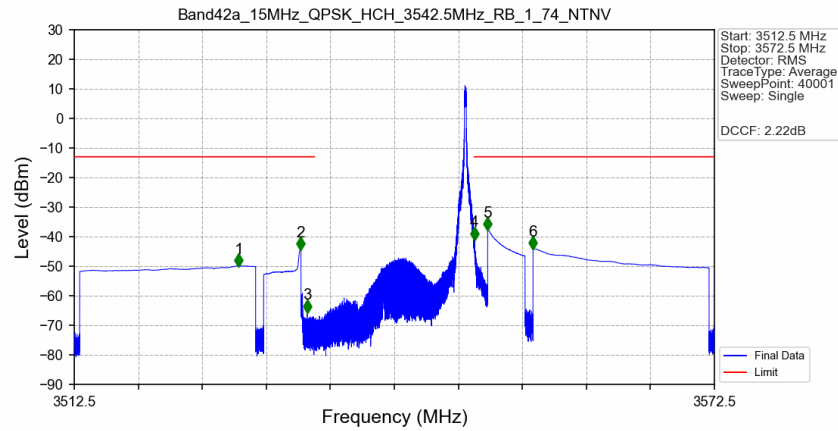
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



Band42a 15MHz QPSK HCH 3542.5MHz RB 1 0 NTNV

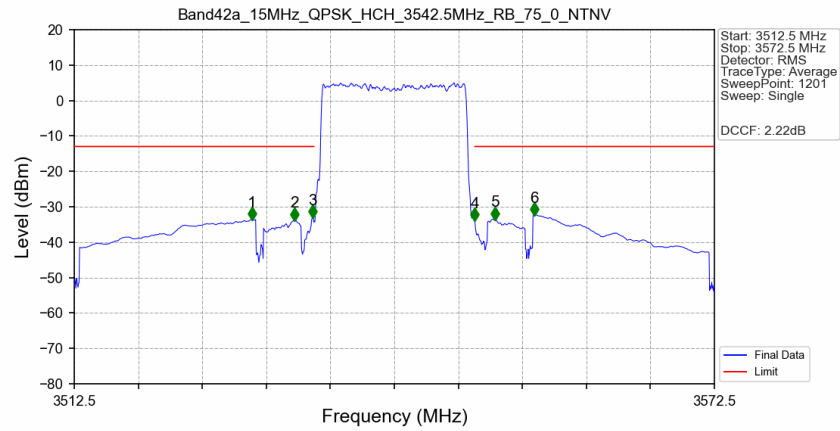


Band42a 15MHz QPSK HCH 3542.5MHz RB 1 74 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3527.916	-49.82	-13	Pass
3530	3534	0.5	CHP	2	3533.727	-44.28	-13	Pass
3534	3535	0.003	/	3	3534.329	-65.36	-13	Pass
3535	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.003	-40.78	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-37.58	-13	Pass
3555	3572.5	1	CHP	6	3555.501	-44.03	-13	Pass

Band42a 15MHz QPSK HCH 3542.5MHz RB 75 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3529.150	-33.60	-13	Pass
3530	3534	0.5	CHP	2	3533.150	-33.65	-13	Pass
3534	3535	0.152	CHP	3	3534.850	-32.84	-13	Pass
3535	3550	0.152	CHP	/	/	/	/	/
3550	3551	0.152	CHP	4	3550.050	-33.82	-13	Pass
3551	3555	0.5	CHP	5	3551.950	-33.46	-13	Pass
3555	3572.5	1	CHP	6	3555.650	-32.31	-13	Pass