

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	19.54	-1.30	18.24	<=30	Pass
			13	19.53	-1.30	18.23	<=30	Pass
			24	19.53	-1.30	18.23	<=30	Pass
		12	0	18.57	-1.30	17.27	<=30	Pass
			6	18.54	-1.30	17.24	<=30	Pass
			13	18.57	-1.30	17.27	<=30	Pass
		25	0	18.60	-1.30	17.30	<=30	Pass
	3500	1	0	19.42	-1.30	18.12	<=30	Pass
			13	19.47	-1.30	18.17	<=30	Pass
			24	19.37	-1.30	18.07	<=30	Pass
		12	0	18.30	-1.30	17.00	<=30	Pass
			6	18.25	-1.30	16.95	<=30	Pass
			13	18.28	-1.30	16.98	<=30	Pass
		25	0	18.35	-1.30	17.05	<=30	Pass
	3547.5	1	0	19.65	-1.30	18.35	<=30	Pass
			13	19.73	-1.30	18.43	<=30	Pass
			24	19.76	-1.30	18.46	<=30	Pass
		12	0	18.59	-1.30	17.29	<=30	Pass
			6	18.68	-1.30	17.38	<=30	Pass
			13	18.63	-1.30	17.33	<=30	Pass
		25	0	18.68	-1.30	17.38	<=30	Pass
16QAM	3452.5	1	0	18.61	-1.30	17.31	<=30	Pass
			13	18.65	-1.30	17.35	<=30	Pass
			24	18.51	-1.30	17.21	<=30	Pass
		12	0	17.46	-1.30	16.16	<=30	Pass
			6	17.59	-1.30	16.29	<=30	Pass
			13	17.44	-1.30	16.14	<=30	Pass
		25	0	17.60	-1.30	16.30	<=30	Pass
	3500	1	0	18.43	-1.30	17.13	<=30	Pass
			13	18.36	-1.30	17.06	<=30	Pass
			24	18.45	-1.30	17.15	<=30	Pass
		12	0	17.27	-1.30	15.97	<=30	Pass
			6	17.40	-1.30	16.10	<=30	Pass
			13	17.43	-1.30	16.13	<=30	Pass
		25	0	17.26	-1.30	15.96	<=30	Pass
	3547.5	1	0	18.85	-1.30	17.55	<=30	Pass
			13	18.82	-1.30	17.52	<=30	Pass
			24	18.66	-1.30	17.36	<=30	Pass
		12	0	17.67	-1.30	16.37	<=30	Pass
			6	17.60	-1.30	16.30	<=30	Pass
			13	17.68	-1.30	16.38	<=30	Pass
		25	0	17.56	-1.30	16.26	<=30	Pass
64QAM	3452.5	1	0	17.50	-1.30	16.20	<=30	Pass
			13	17.68	-1.30	16.38	<=30	Pass
			24	17.70	-1.30	16.40	<=30	Pass
		12	0	16.48	-1.30	15.18	<=30	Pass
			6	16.59	-1.30	15.29	<=30	Pass
			13	16.61	-1.30	15.31	<=30	Pass
		25	0	16.57	-1.30	15.27	<=30	Pass

	3500	1	0	17.58	-1.30	16.28	<=30	Pass
			13	17.61	-1.30	16.31	<=30	Pass
			24	17.08	-1.30	15.78	<=30	Pass
		12	0	16.22	-1.30	14.92	<=30	Pass
			6	16.35	-1.30	15.05	<=30	Pass
			13	16.25	-1.30	14.95	<=30	Pass
		25	0	16.17	-1.30	14.87	<=30	Pass
	3547.5	1	0	17.75	-1.30	16.45	<=30	Pass
			13	17.73	-1.30	16.43	<=30	Pass
			24	17.93	-1.30	16.63	<=30	Pass
		12	0	16.56	-1.30	15.26	<=30	Pass
			6	16.56	-1.30	15.26	<=30	Pass
			13	16.55	-1.30	15.25	<=30	Pass
		25	0	16.69	-1.30	15.39	<=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	19.59	-1.30	18.29	<=30	Pass
			25	19.62	-1.30	18.32	<=30	Pass
			49	19.49	-1.30	18.19	<=30	Pass
		25	0	18.52	-1.30	17.22	<=30	Pass
			13	18.55	-1.30	17.25	<=30	Pass
			25	18.53	-1.30	17.23	<=30	Pass
		50	0	18.56	-1.30	17.26	<=30	Pass
	3500	1	0	19.35	-1.30	18.05	<=30	Pass
			25	19.40	-1.30	18.10	<=30	Pass
			49	19.32	-1.30	18.02	<=30	Pass
		25	0	18.35	-1.30	17.05	<=30	Pass
			13	18.36	-1.30	17.06	<=30	Pass
			25	18.28	-1.30	16.98	<=30	Pass
		50	0	18.27	-1.30	16.97	<=30	Pass
	3545	1	0	19.70	-1.30	18.40	<=30	Pass
			25	19.47	-1.30	18.17	<=30	Pass
			49	19.57	-1.30	18.27	<=30	Pass
		25	0	18.57	-1.30	17.27	<=30	Pass
			13	18.65	-1.30	17.35	<=30	Pass
			25	18.69	-1.30	17.39	<=30	Pass
		50	0	18.60	-1.30	17.30	<=30	Pass
16QAM	3455	1	0	18.57	-1.30	17.27	<=30	Pass
			25	18.56	-1.30	17.26	<=30	Pass
			49	18.62	-1.30	17.32	<=30	Pass
		25	0	17.52	-1.30	16.22	<=30	Pass
			13	17.47	-1.30	16.17	<=30	Pass
			25	17.49	-1.30	16.19	<=30	Pass
		50	0	17.52	-1.30	16.22	<=30	Pass
	3500	1	0	18.16	-1.30	16.86	<=30	Pass
			25	18.13	-1.30	16.83	<=30	Pass
			49	18.27	-1.30	16.97	<=30	Pass
		25	0	17.26	-1.30	15.96	<=30	Pass
			13	17.30	-1.30	16.00	<=30	Pass
			25	17.37	-1.30	16.07	<=30	Pass
	3545	1	0	17.33	-1.30	16.03	<=30	Pass

			25	18.81	-1.30	17.51	<=30	Pass		
			49	18.98	-1.30	17.68	<=30	Pass		
		25	0	17.54	-1.30	16.24	<=30	Pass		
			13	17.59	-1.30	16.29	<=30	Pass		
			25	17.54	-1.30	16.24	<=30	Pass		
		50	0	17.64	-1.30	16.34	<=30	Pass		
		64QAM	3455	1	0	17.30	-1.30	16.00	<=30	Pass
					25	17.60	-1.30	16.30	<=30	Pass
					49	16.93	-1.30	15.63	<=30	Pass
25	0			16.47	-1.30	15.17	<=30	Pass		
	13			16.40	-1.30	15.10	<=30	Pass		
	25			16.41	-1.30	15.11	<=30	Pass		
50	0			16.48	-1.30	15.18	<=30	Pass		
3500	1			0	17.70	-1.30	16.40	<=30	Pass	
				25	16.98	-1.30	15.68	<=30	Pass	
			49	17.62	-1.30	16.32	<=30	Pass		
	25		0	16.29	-1.30	14.99	<=30	Pass		
			13	16.27	-1.30	14.97	<=30	Pass		
			25	16.29	-1.30	14.99	<=30	Pass		
	50		0	16.30	-1.30	15.00	<=30	Pass		
	3545		1	0	17.26	-1.30	15.96	<=30	Pass	
				25	17.82	-1.30	16.52	<=30	Pass	
49				17.50	-1.30	16.20	<=30	Pass		
25			0	16.53	-1.30	15.23	<=30	Pass		
			13	16.40	-1.30	15.10	<=30	Pass		
			25	16.62	-1.30	15.32	<=30	Pass		
50			0	16.63	-1.30	15.33	<=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	19.63	-1.30	18.33	<=30	Pass
			38	19.59	-1.30	18.29	<=30	Pass
			74	19.50	-1.30	18.20	<=30	Pass
		36	0	18.52	-1.30	17.22	<=30	Pass
			18	18.42	-1.30	17.12	<=30	Pass
			39	18.35	-1.30	17.05	<=30	Pass
		75	0	18.43	-1.30	17.13	<=30	Pass
	3500	1	0	19.26	-1.30	17.96	<=30	Pass
			38	19.40	-1.30	18.10	<=30	Pass
			74	19.41	-1.30	18.11	<=30	Pass
		36	0	18.26	-1.30	16.96	<=30	Pass
			18	18.27	-1.30	16.97	<=30	Pass
			39	18.34	-1.30	17.04	<=30	Pass
		75	0	18.35	-1.30	17.05	<=30	Pass
	3542.5	1	0	19.49	-1.30	18.19	<=30	Pass
			38	19.67	-1.30	18.37	<=30	Pass
			74	19.54	-1.30	18.24	<=30	Pass
		36	0	18.61	-1.30	17.31	<=30	Pass
			18	18.58	-1.30	17.28	<=30	Pass
			39	18.62	-1.30	17.32	<=30	Pass
		75	0	18.58	-1.30	17.28	<=30	Pass
16QAM	3457.5	1	0	18.66	-1.30	17.36	<=30	Pass
			38	18.30	-1.30	17.00	<=30	Pass

		36	74	18.48	-1.30	17.18	<=30	Pass	
			0	17.48	-1.30	16.18	<=30	Pass	
			18	17.41	-1.30	16.11	<=30	Pass	
			39	17.41	-1.30	16.11	<=30	Pass	
		75	0	17.49	-1.30	16.19	<=30	Pass	
	3500	1	0	18.12	-1.30	16.82	<=30	Pass	
			38	18.19	-1.30	16.89	<=30	Pass	
			74	18.10	-1.30	16.80	<=30	Pass	
		36	0	17.18	-1.30	15.88	<=30	Pass	
			18	17.31	-1.30	16.01	<=30	Pass	
			39	17.30	-1.30	16.00	<=30	Pass	
		75	0	17.34	-1.30	16.04	<=30	Pass	
		3542.5	1	0	18.88	-1.30	17.58	<=30	Pass
	38			19.00	-1.30	17.70	<=30	Pass	
	74			18.99	-1.30	17.69	<=30	Pass	
	36		0	17.59	-1.30	16.29	<=30	Pass	
			18	17.60	-1.30	16.30	<=30	Pass	
			39	17.53	-1.30	16.23	<=30	Pass	
	75		0	17.59	-1.30	16.29	<=30	Pass	
	64QAM	3457.5	1	0	17.09	-1.30	15.79	<=30	Pass
				38	17.26	-1.30	15.96	<=30	Pass
				74	17.62	-1.30	16.32	<=30	Pass
			36	0	16.58	-1.30	15.28	<=30	Pass
				18	16.47	-1.30	15.17	<=30	Pass
				39	16.36	-1.30	15.06	<=30	Pass
			75	0	16.49	-1.30	15.19	<=30	Pass
		3500	1	0	16.95	-1.30	15.65	<=30	Pass
38				17.08	-1.30	15.78	<=30	Pass	
74				17.75	-1.30	16.45	<=30	Pass	
36			0	16.25	-1.30	14.95	<=30	Pass	
			18	16.28	-1.30	14.98	<=30	Pass	
			39	16.31	-1.30	15.01	<=30	Pass	
75		0	16.28	-1.30	14.98	<=30	Pass		
3542.5		1	0	17.56	-1.30	16.26	<=30	Pass	
			38	17.73	-1.30	16.43	<=30	Pass	
			74	17.62	-1.30	16.32	<=30	Pass	
		36	0	16.43	-1.30	15.13	<=30	Pass	
			18	16.53	-1.30	15.23	<=30	Pass	
			39	16.61	-1.30	15.31	<=30	Pass	
		75	0	16.56	-1.30	15.26	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.4 B42a_20MHz_EIRP

Band: 42a / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3460	1	0	19.58	-1.30	18.28	<=30	Pass
			50	19.40	-1.30	18.10	<=30	Pass
			99	19.38	-1.30	18.08	<=30	Pass
		50	0	18.56	-1.30	17.26	<=30	Pass
			25	18.44	-1.30	17.14	<=30	Pass
			50	18.37	-1.30	17.07	<=30	Pass
		100	0	18.51	-1.30	17.21	<=30	Pass
	3500	1	0	19.32	-1.30	18.02	<=30	Pass
			50	19.36	-1.30	18.06	<=30	Pass
			99	19.36	-1.30	18.06	<=30	Pass

		50	0	18.31	-1.30	17.01	<=30	Pass			
			25	18.31	-1.30	17.01	<=30	Pass			
			50	18.38	-1.30	17.08	<=30	Pass			
		100	0	18.37	-1.30	17.07	<=30	Pass			
			3540	1	0	19.57	-1.30	18.27	<=30	Pass	
					50	19.65	-1.30	18.35	<=30	Pass	
		99			19.66	-1.30	18.36	<=30	Pass		
		50		0	18.63	-1.30	17.33	<=30	Pass		
				25	18.65	-1.30	17.35	<=30	Pass		
	50			18.65	-1.30	17.35	<=30	Pass			
	100	0	18.68	-1.30	17.38	<=30	Pass				
	16QAM	3460	1	0	18.55	-1.30	17.25	<=30	Pass		
50				18.37	-1.30	17.07	<=30	Pass			
99				18.82	-1.30	17.52	<=30	Pass			
50			0	17.53	-1.30	16.23	<=30	Pass			
			25	17.48	-1.30	16.18	<=30	Pass			
			50	17.44	-1.30	16.14	<=30	Pass			
			100	0	17.45	-1.30	16.15	<=30	Pass		
			3500	1	0	17.92	-1.30	16.62	<=30	Pass	
					50	18.01	-1.30	16.71	<=30	Pass	
99		18.09			-1.30	16.79	<=30	Pass			
50		0		17.30	-1.30	16.00	<=30	Pass			
		25		17.28	-1.30	15.98	<=30	Pass			
		50		17.33	-1.30	16.03	<=30	Pass			
100		0	17.30	-1.30	16.00	<=30	Pass				
3540		1	0	18.66	-1.30	17.36	<=30	Pass			
			50	18.20	-1.30	16.90	<=30	Pass			
			99	18.83	-1.30	17.53	<=30	Pass			
		50	0	17.60	-1.30	16.30	<=30	Pass			
			25	17.58	-1.30	16.28	<=30	Pass			
			50	17.67	-1.30	16.37	<=30	Pass			
			100	0	17.64	-1.30	16.34	<=30	Pass		
			64QAM	3460	1	0	17.72	-1.30	16.42	<=30	Pass
						50	17.67	-1.30	16.37	<=30	Pass
99		17.03				-1.30	15.73	<=30	Pass		
50	0	16.50			-1.30	15.20	<=30	Pass			
	25	16.43			-1.30	15.13	<=30	Pass			
	50	16.43			-1.30	15.13	<=30	Pass			
	100	0			16.44	-1.30	15.14	<=30	Pass		
	3500	1			0	17.29	-1.30	15.99	<=30	Pass	
					50	17.12	-1.30	15.82	<=30	Pass	
99				17.28	-1.30	15.98	<=30	Pass			
50		0		16.28	-1.30	14.98	<=30	Pass			
		25		16.36	-1.30	15.06	<=30	Pass			
		50	16.39	-1.30	15.09	<=30	Pass				
100	0	16.31	-1.30	15.01	<=30	Pass					
3540	1	0	17.37	-1.30	16.07	<=30	Pass				
		50	17.42	-1.30	16.12	<=30	Pass				
		99	17.48	-1.30	16.18	<=30	Pass				
	50	0	16.63	-1.30	15.33	<=30	Pass				
		25	16.67	-1.30	15.37	<=30	Pass				
		50	16.69	-1.30	15.39	<=30	Pass				
	100	0	16.67	-1.30	15.37	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3500	50	0	20	3.27	1.263	0.0004	-2.5 to 2.5	Pass
					3.85	-2.350	-0.0007	-2.5 to 2.5	Pass
					4.43	-4.294	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-4.172	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-2.441	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	2.067	0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.042	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.010	0.0000	-2.5 to 2.5	Pass
				30	3.85	2.011	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.262	0.0001	-2.5 to 2.5	Pass
				50	3.85	2.809	0.0008	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band42a_OBW

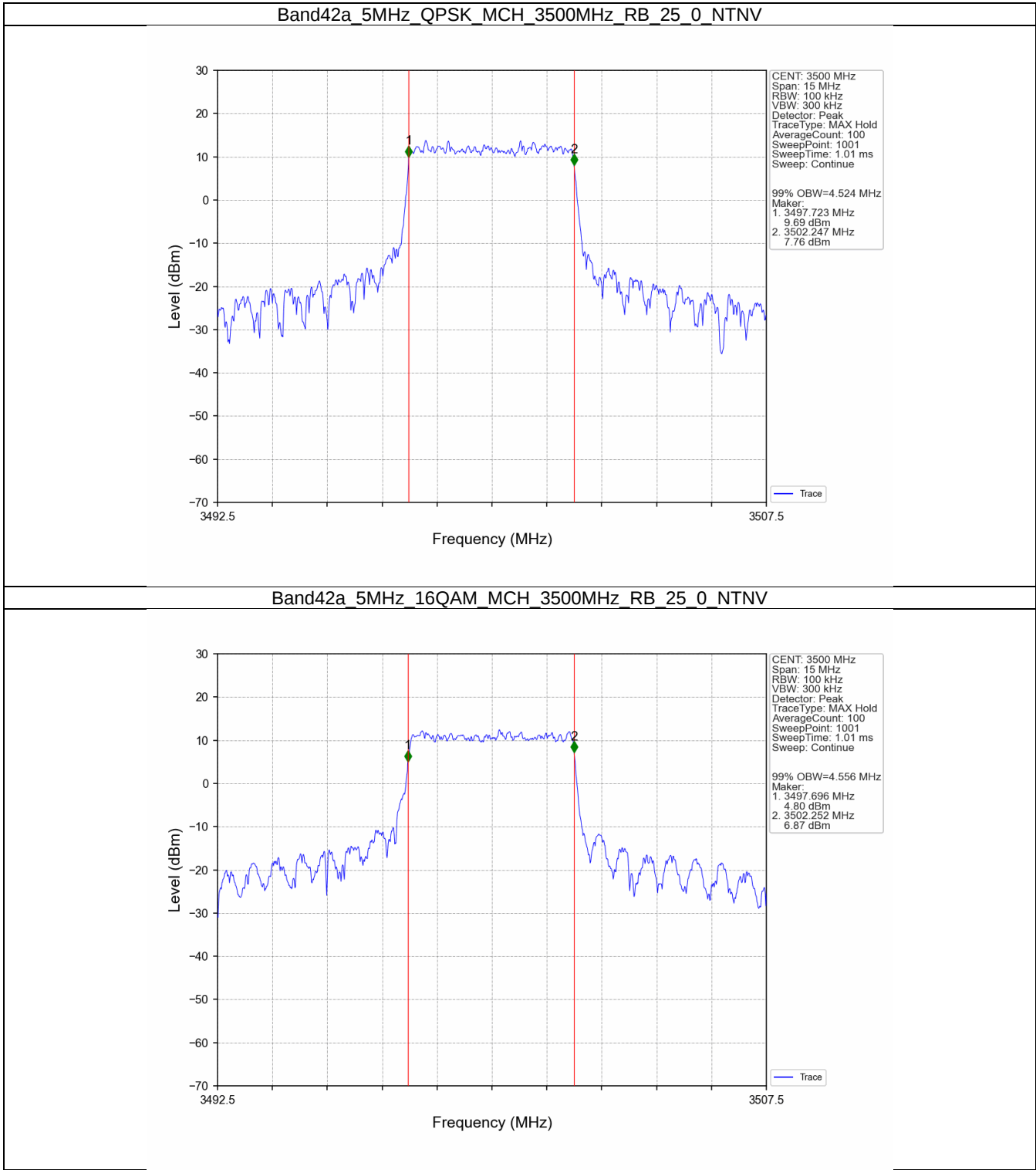
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	4.524	/	Pass
	16QAM	3500	25	0	4.556	/	Pass
10	QPSK	3500	50	0	9.021	/	Pass
	16QAM	3500	50	0	9.035	/	Pass
15	QPSK	3500	75	0	13.515	/	Pass
	16QAM	3500	75	0	13.457	/	Pass
20	QPSK	3500	100	0	17.990	/	Pass
	16QAM	3500	100	0	18.001	/	Pass

3.1.2 Band42a_XDB

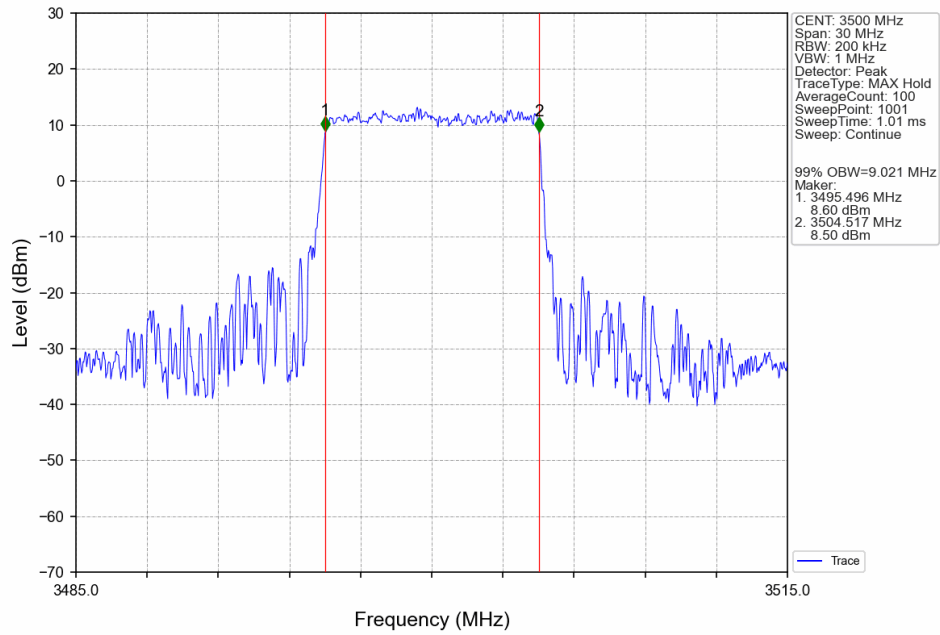
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	5.260	/	Pass
	16QAM	3500	25	0	6.393	/	Pass
10	QPSK	3500	50	0	10.135	/	Pass
	16QAM	3500	50	0	9.911	/	Pass
15	QPSK	3500	75	0	14.833	/	Pass
	16QAM	3500	75	0	14.624	/	Pass
20	QPSK	3500	100	0	19.304	/	Pass
	16QAM	3500	100	0	21.477	/	Pass

3.2 Test Graph

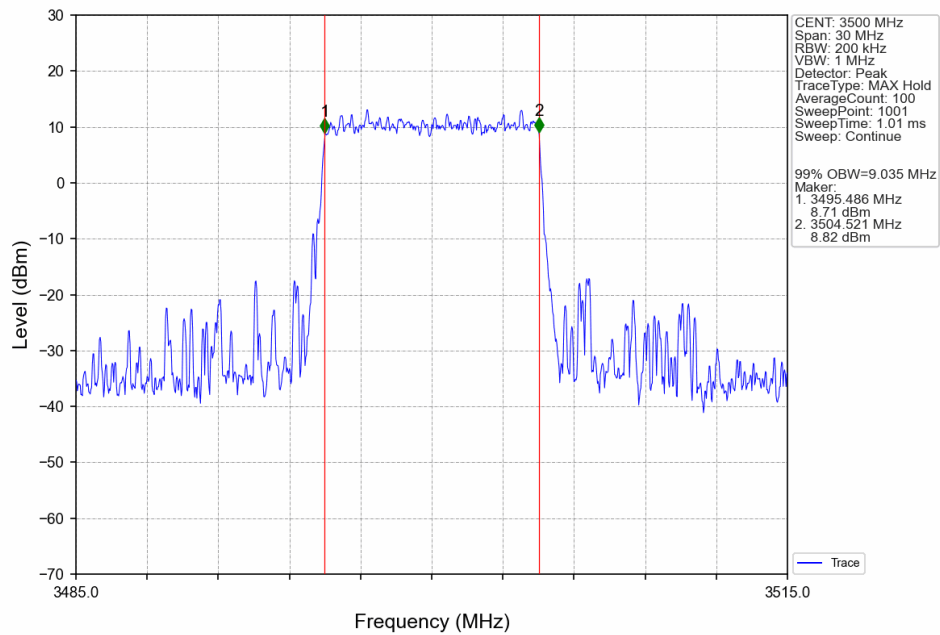
3.2.1 Band42a_OBW



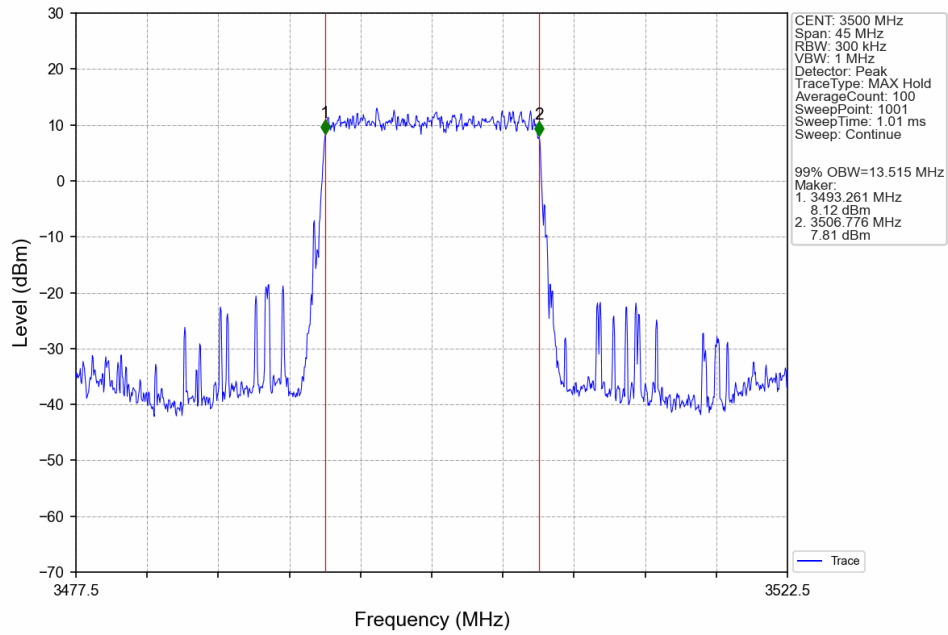
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



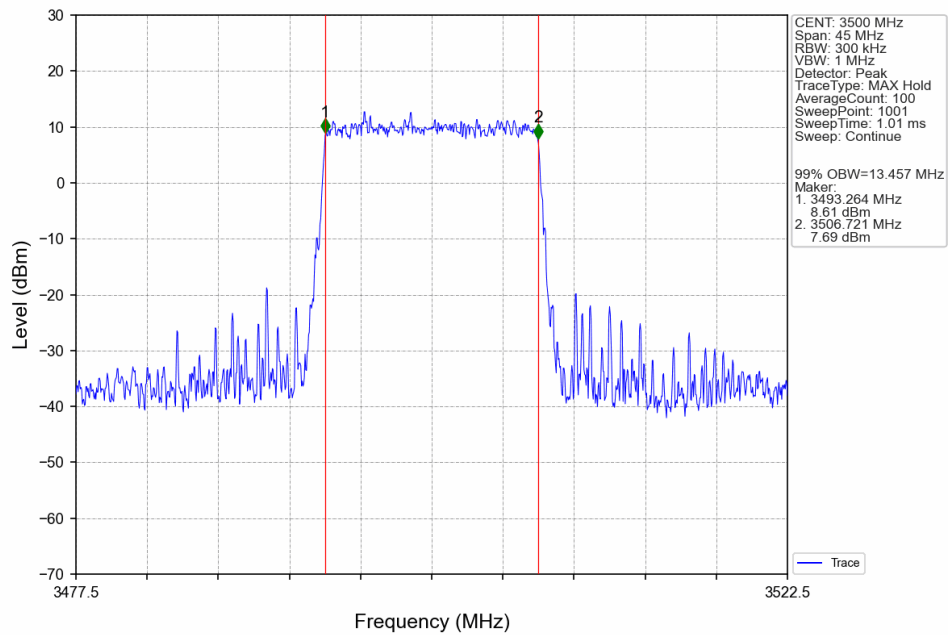
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



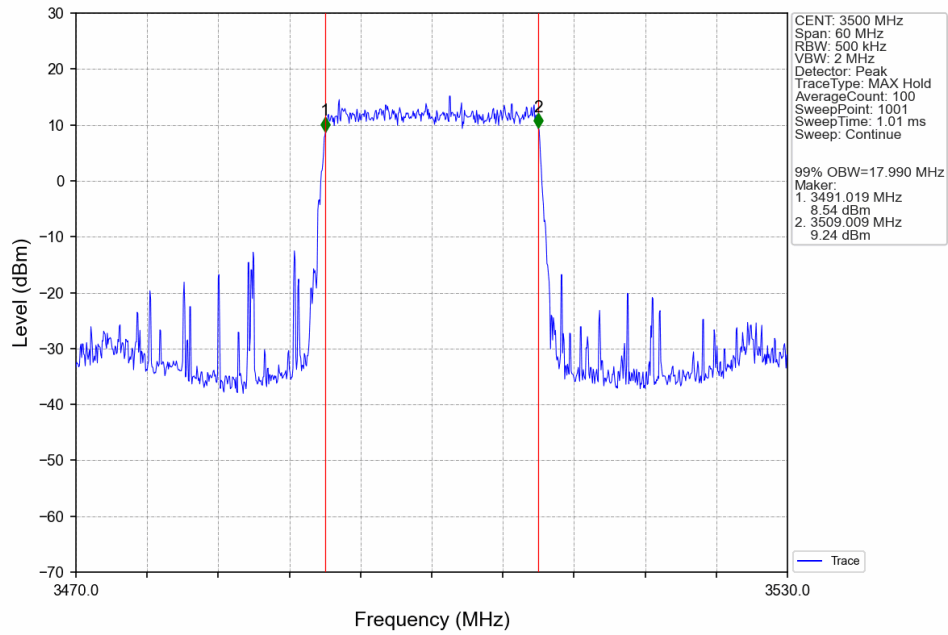
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



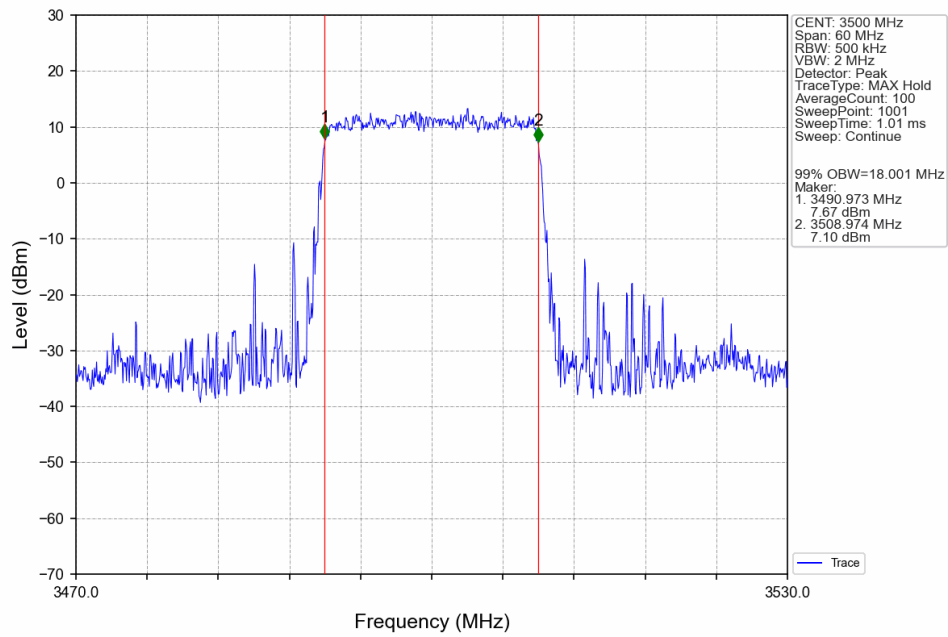
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



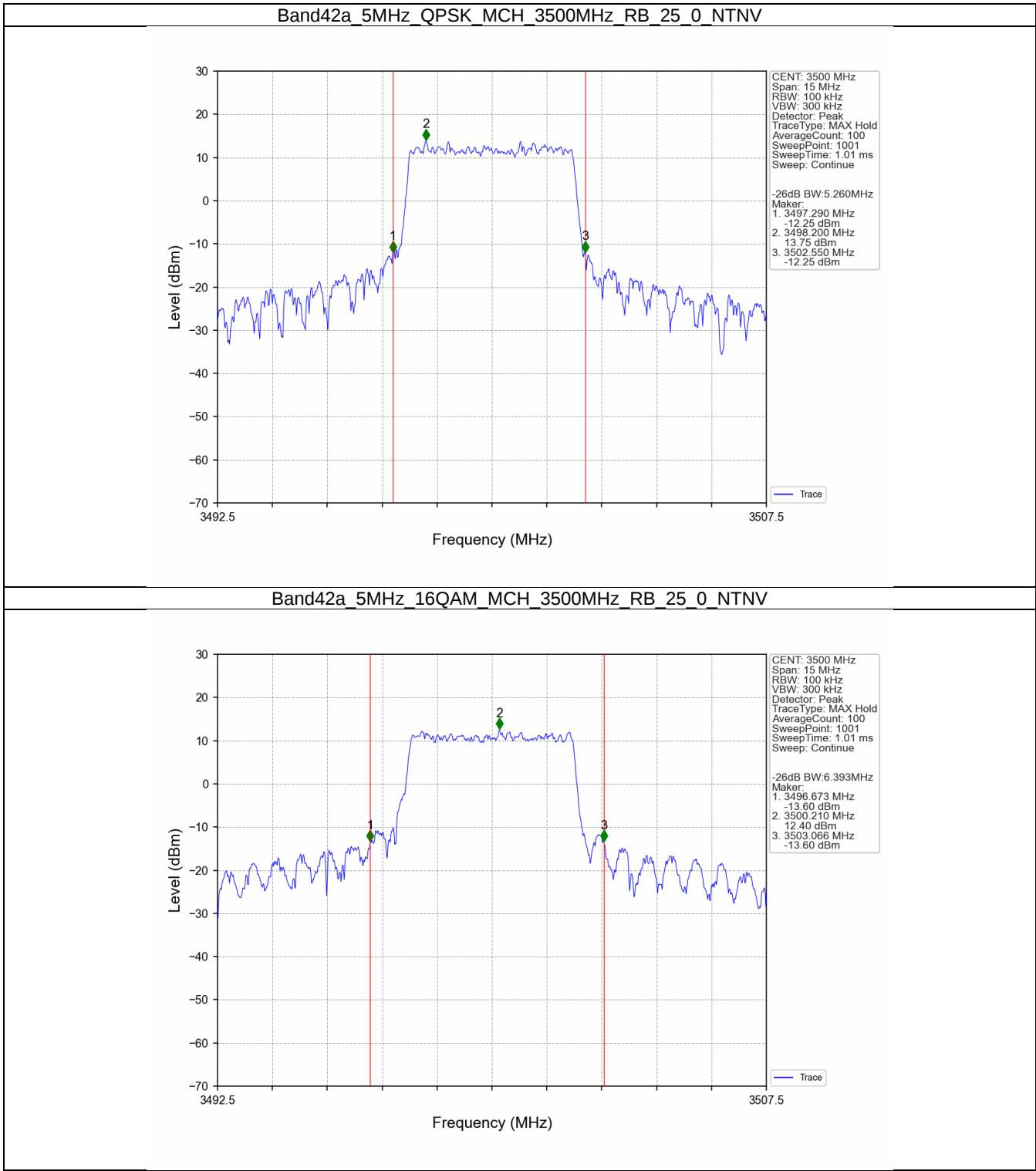
Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



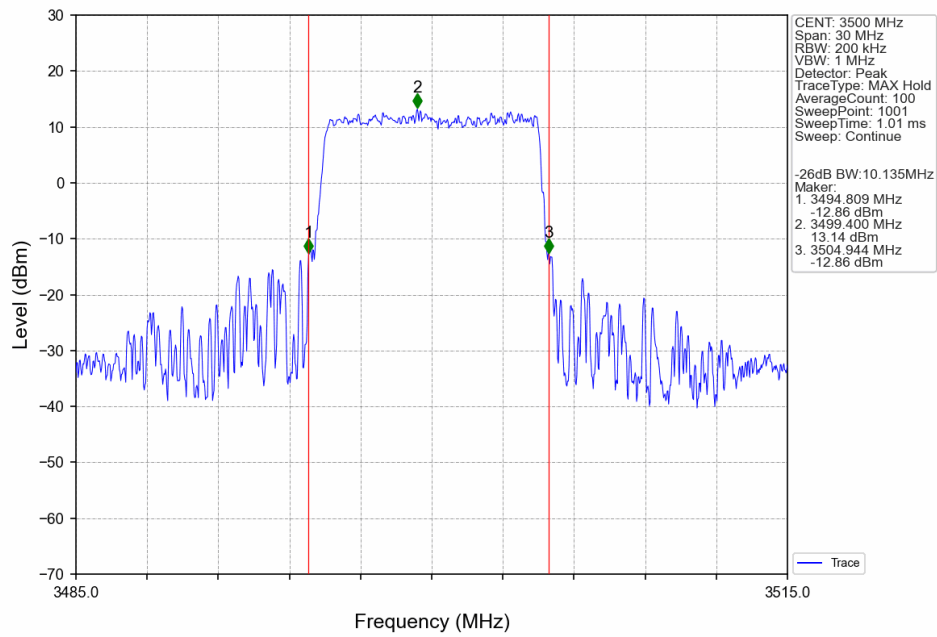
Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



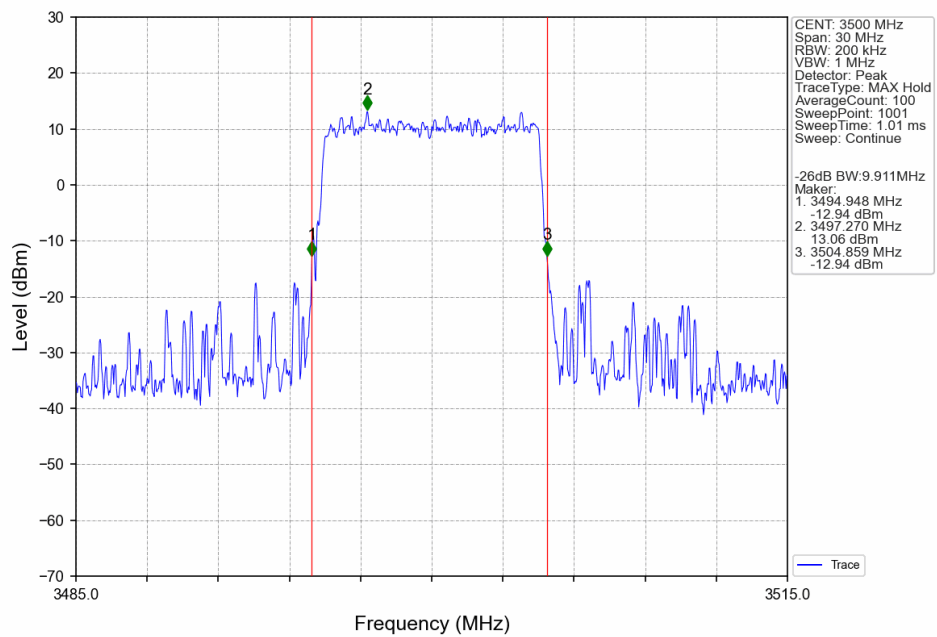
3.2.2 Band42a_XDB



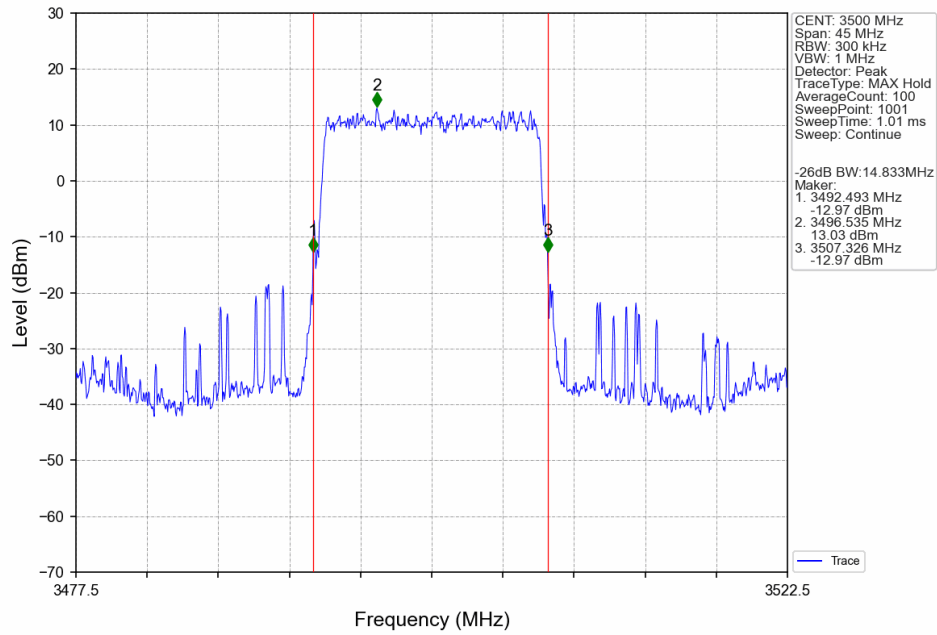
Band42a_10MHz_QPSK_MCH_3500MHz_RB_50_0_NTNV



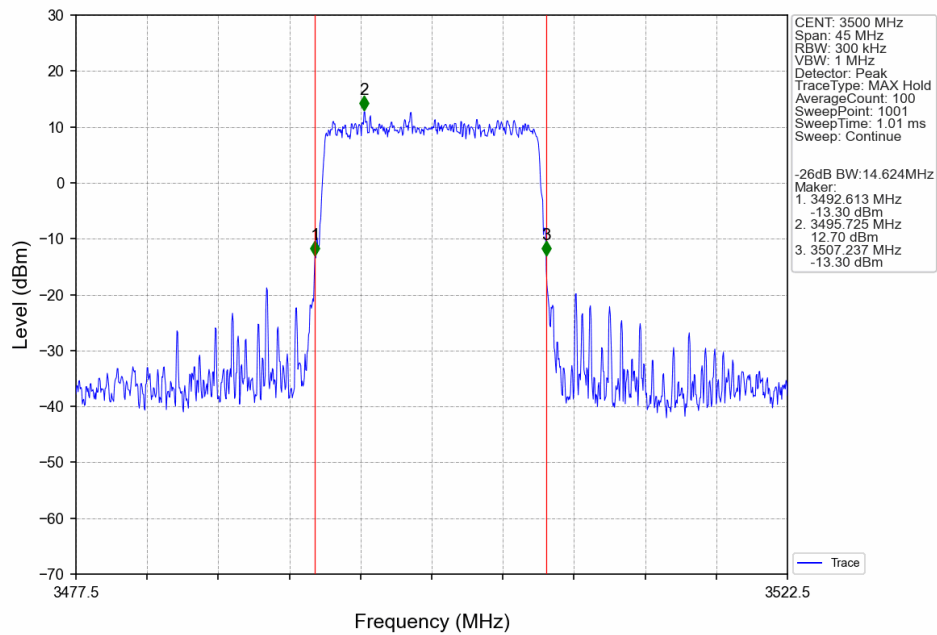
Band42a_10MHz_16QAM_MCH_3500MHz_RB_50_0_NTNV



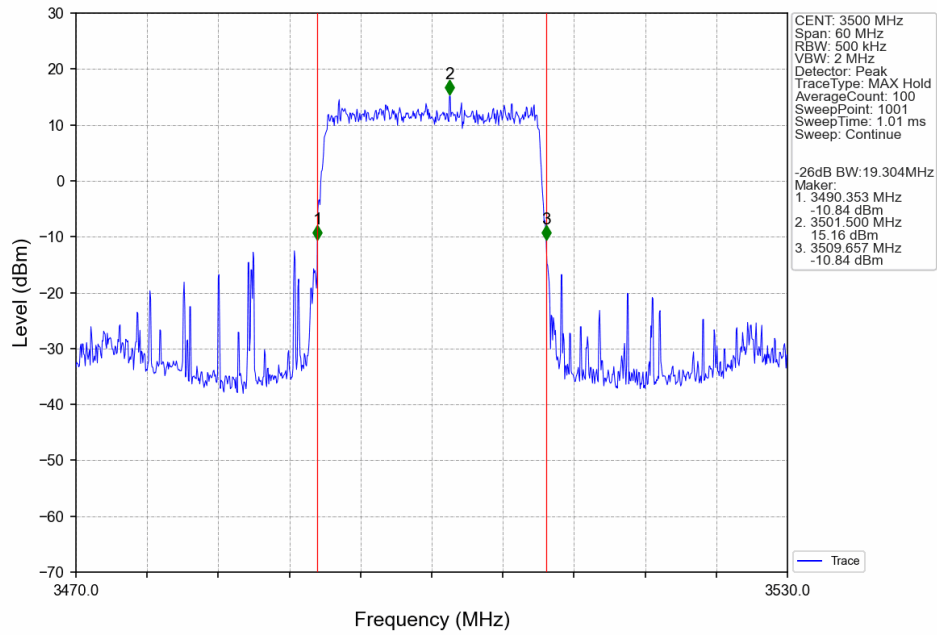
Band42a_15MHz_QPSK_MCH_3500MHz_RB_75_0_NTNV



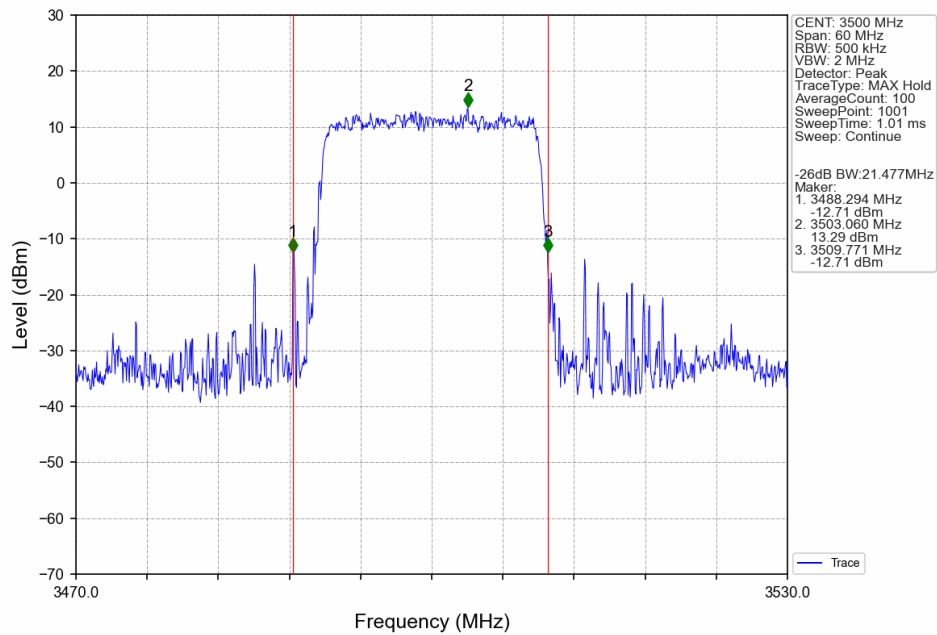
Band42a_15MHz_16QAM_MCH_3500MHz_RB_75_0_NTNV



Band42a_20MHz_QPSK_MCH_3500MHz_RB_100_0_NTNV



Band42a_20MHz_16QAM_MCH_3500MHz_RB_100_0_NTNV



4. Peak-Average Ratio

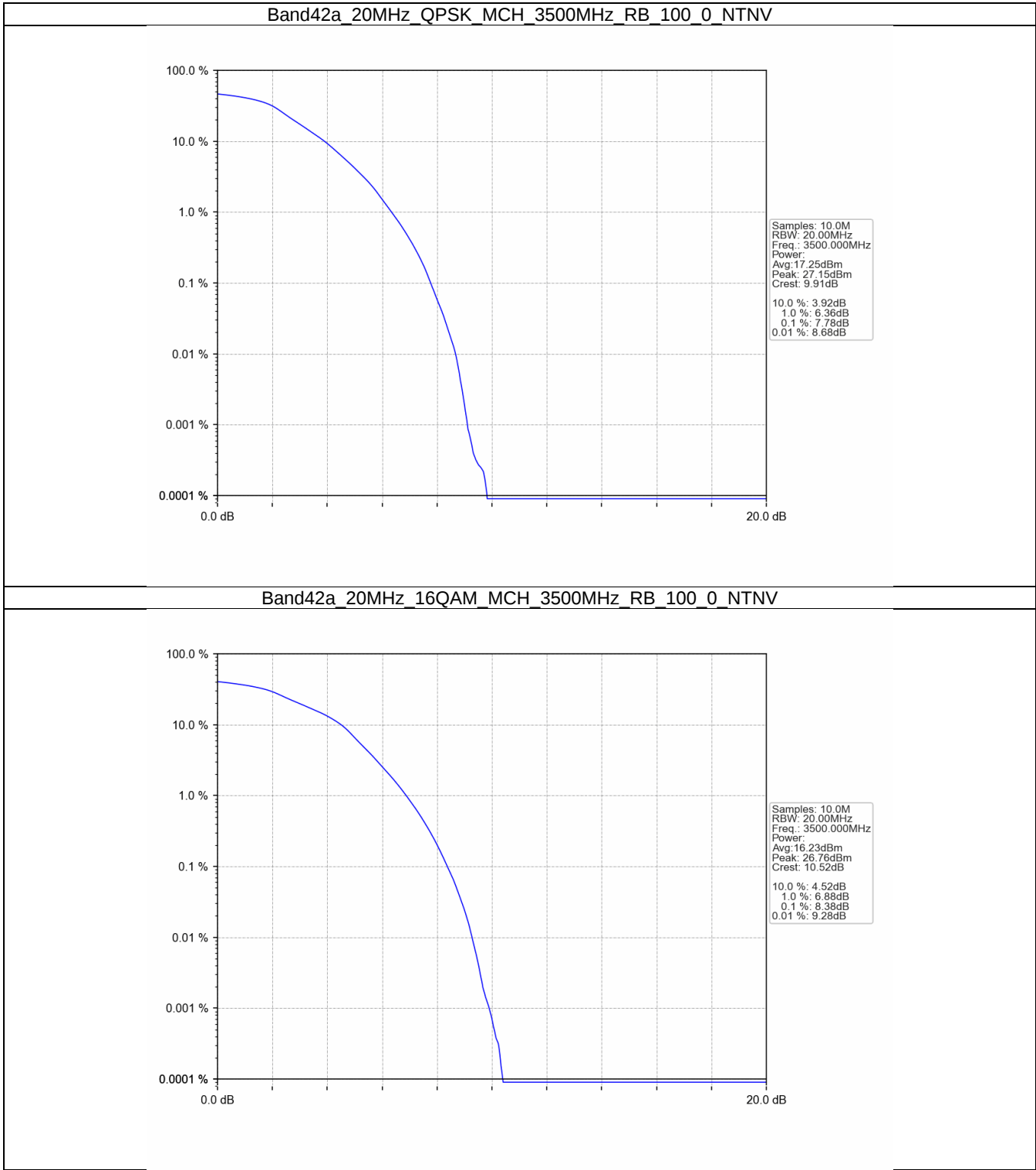
4.1 Test Result

4.1.1 B42a_20MHz

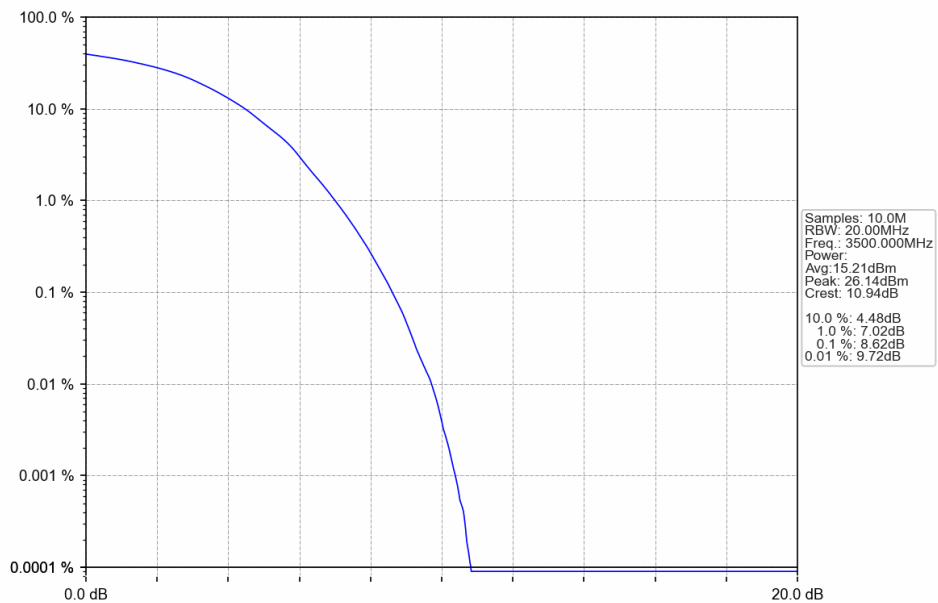
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3500	100	0	7.78	<=13	Pass
16QAM	3500	100	0	8.38	<=13	Pass
64QAM	3500	100	0	8.62	<=13	Pass

4.2 Test Graph

4.2.1 B42a_20MHz



Band42a_20MHz_64QAM_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

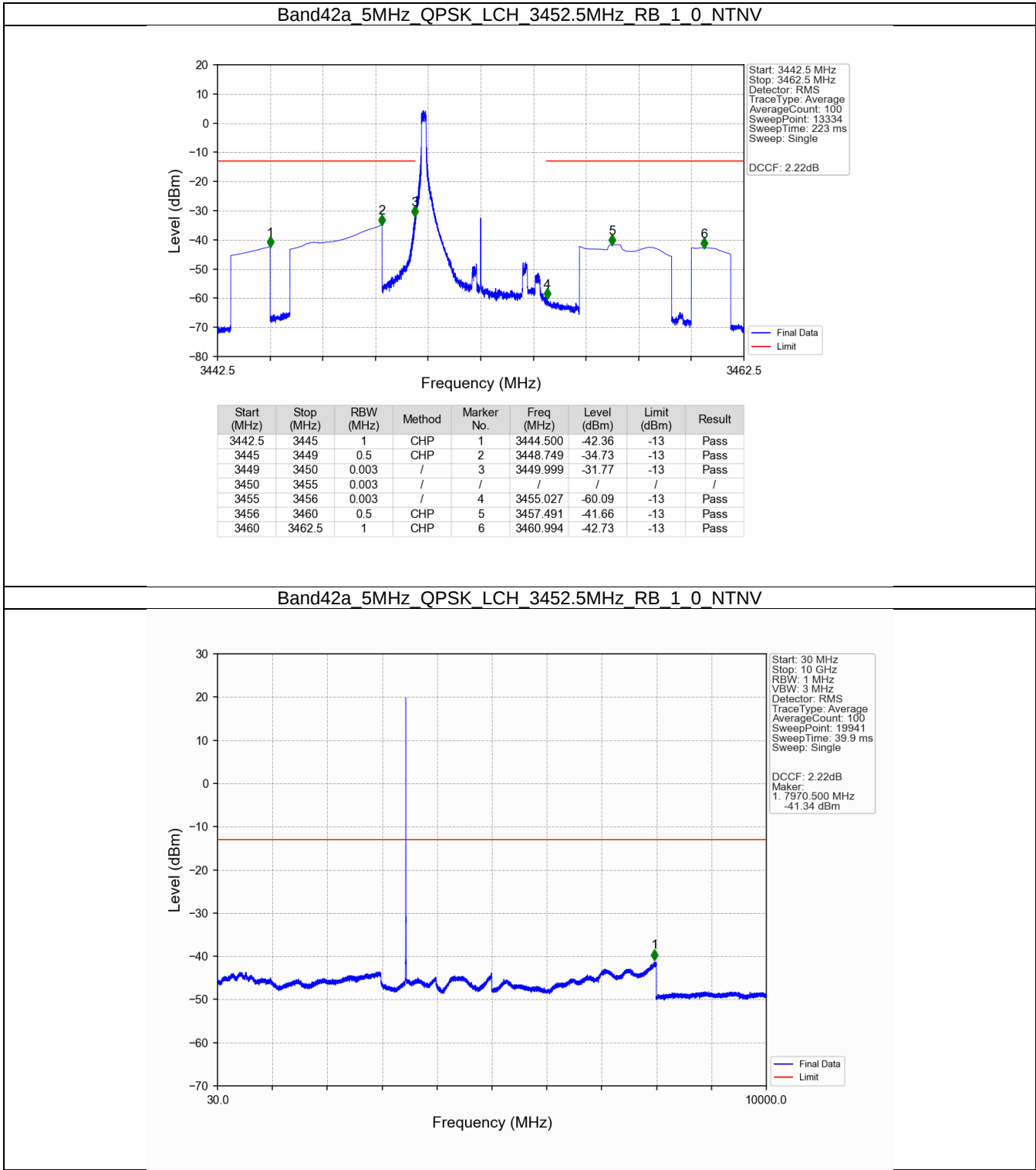
Band: 42a / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3542.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B42a_20MHz

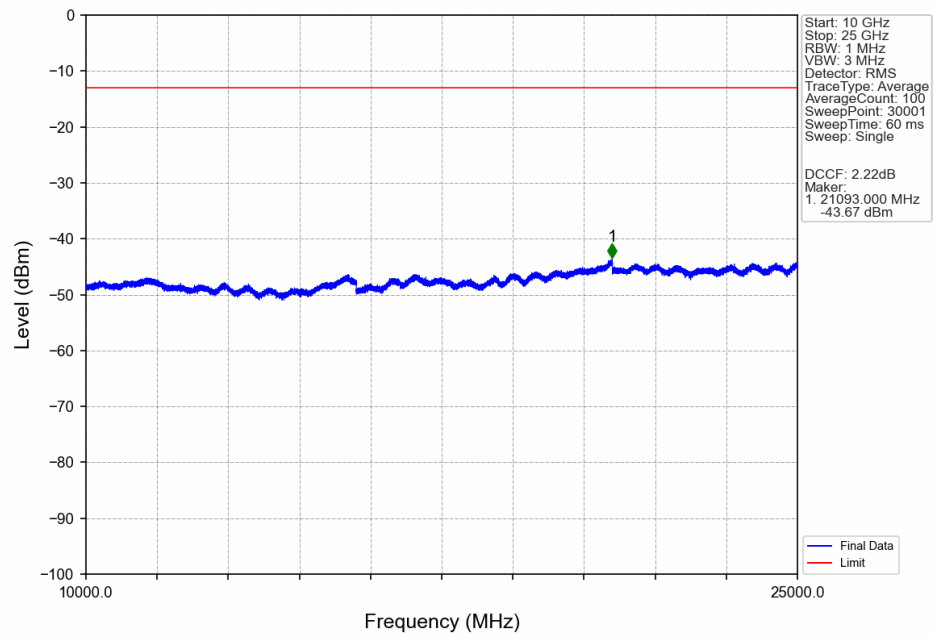
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

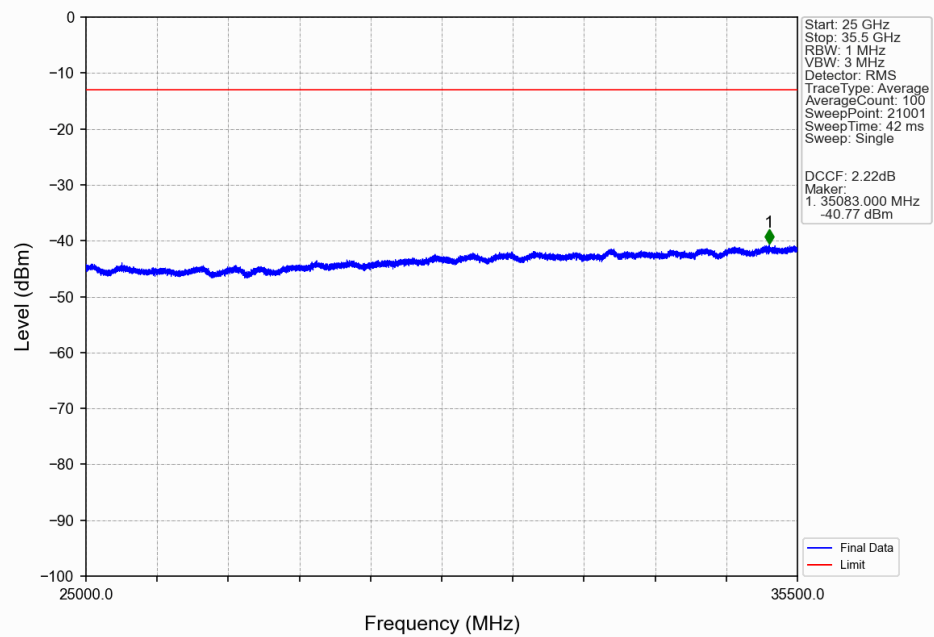
5.2.1 B42a_5MHz



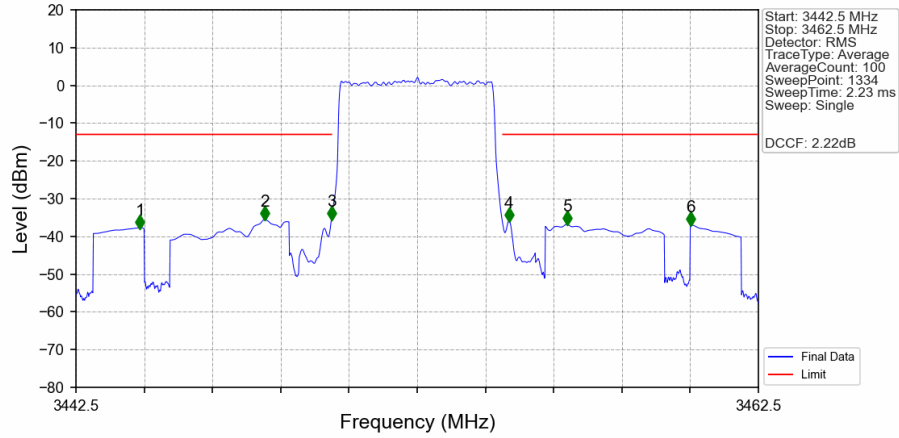
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV

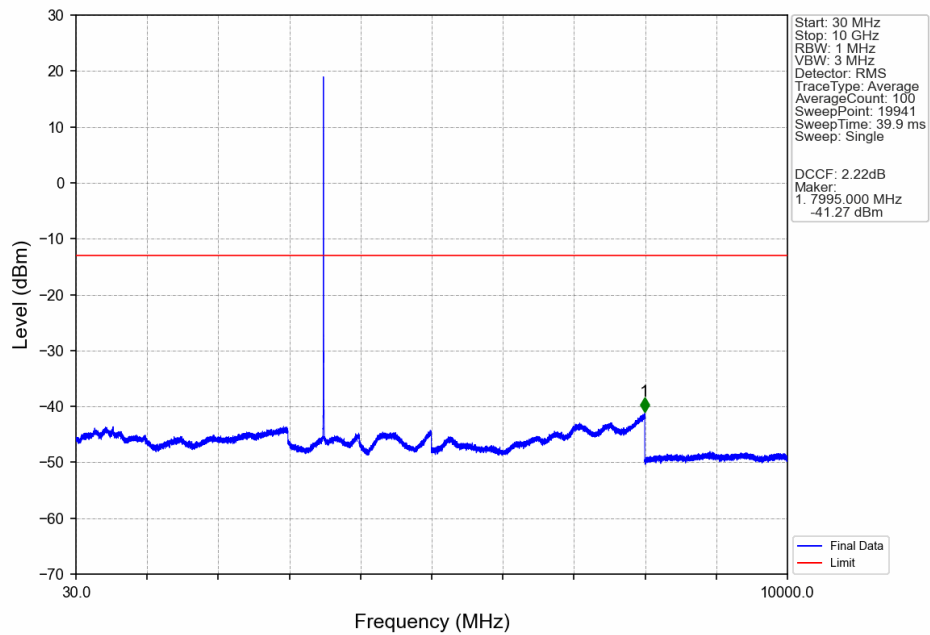


Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_25_0_NTNV

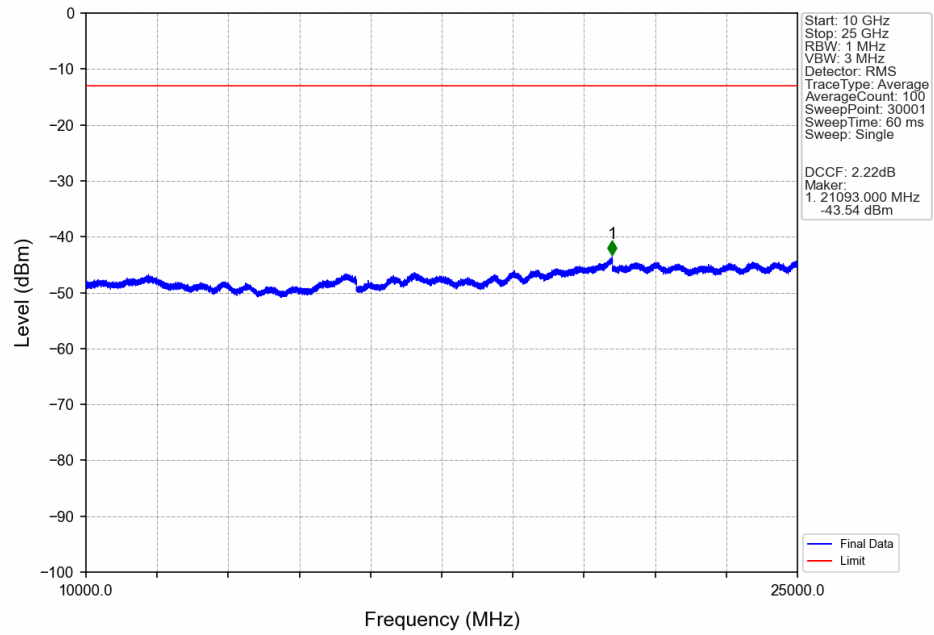


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3442.5	3445	1	CHP	1	3444.375	-37.76	-13	Pass
3445	3449	0.5	CHP	2	3448.036	-35.50	-13	Pass
3449	3450	0.064	CHP	3	3449.987	-35.39	-13	Pass
3450	3455	0.064	CHP	/	/	/	/	/
3455	3456	0.064	CHP	4	3455.193	-35.91	-13	Pass
3456	3460	0.5	CHP	5	3456.889	-36.79	-13	Pass
3460	3462.5	1	CHP	6	3460.505	-36.92	-13	Pass

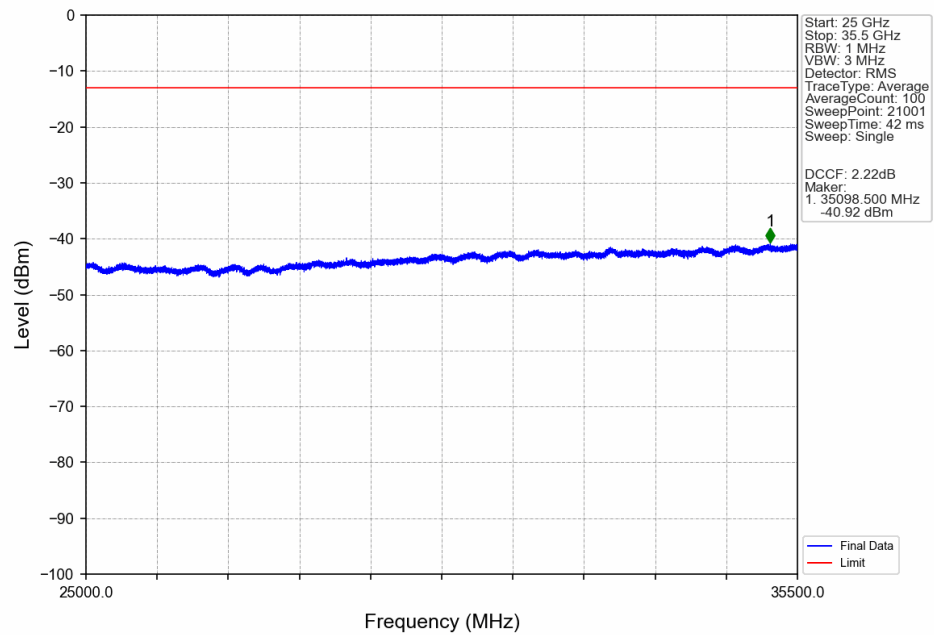
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



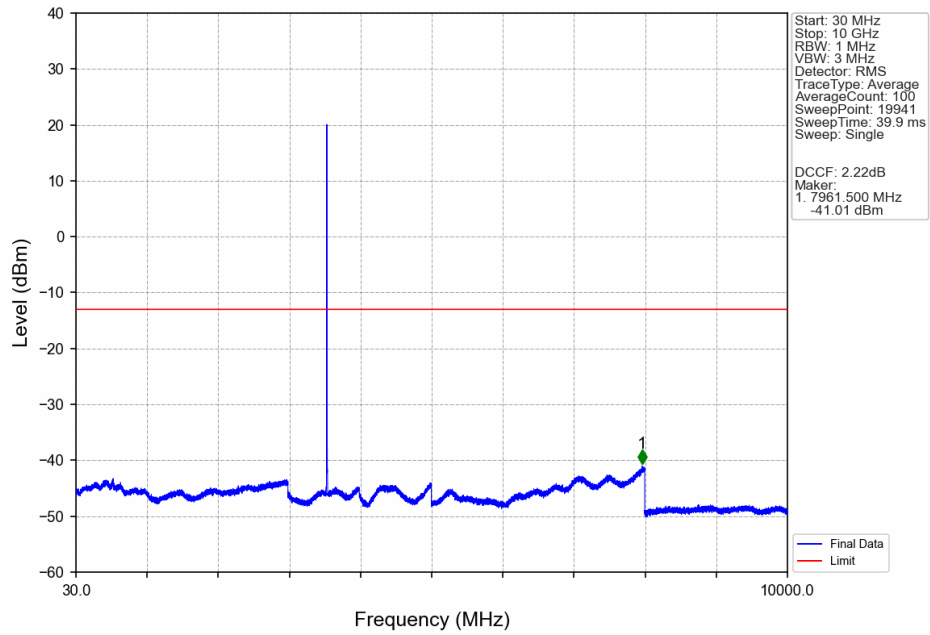
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



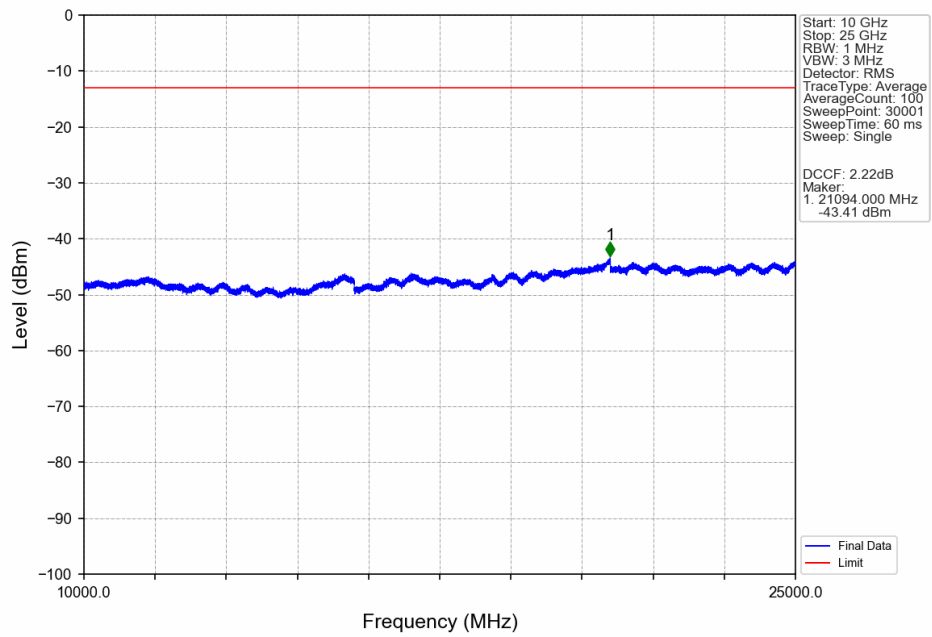
Band42a_5MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



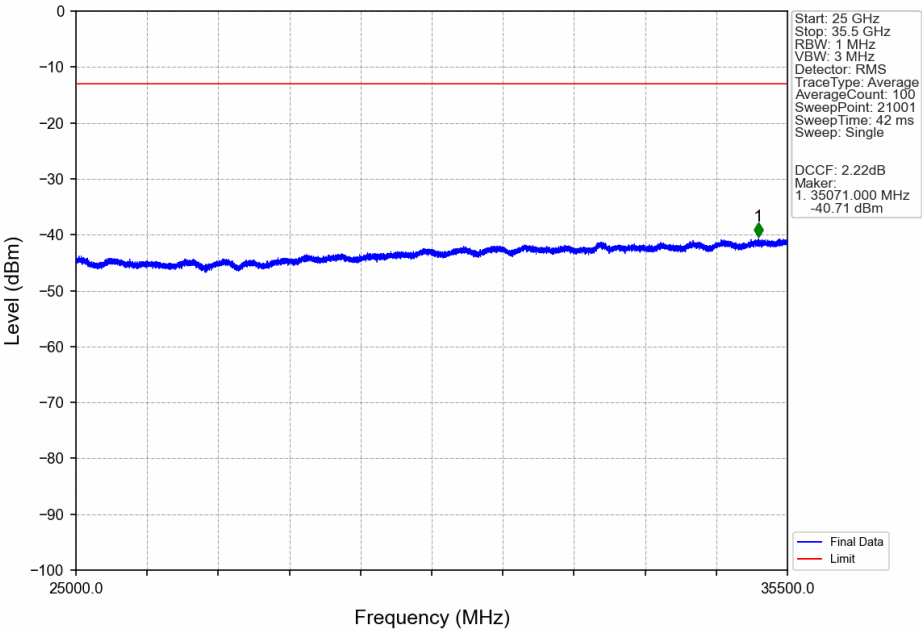
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



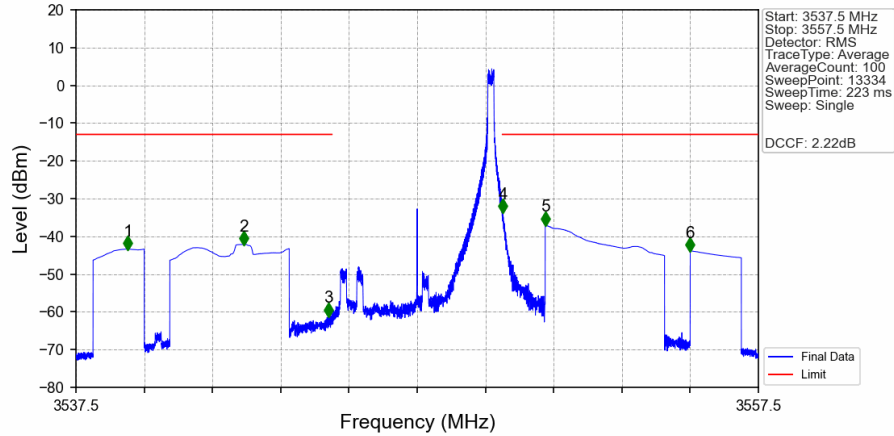
Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_0_NTNV

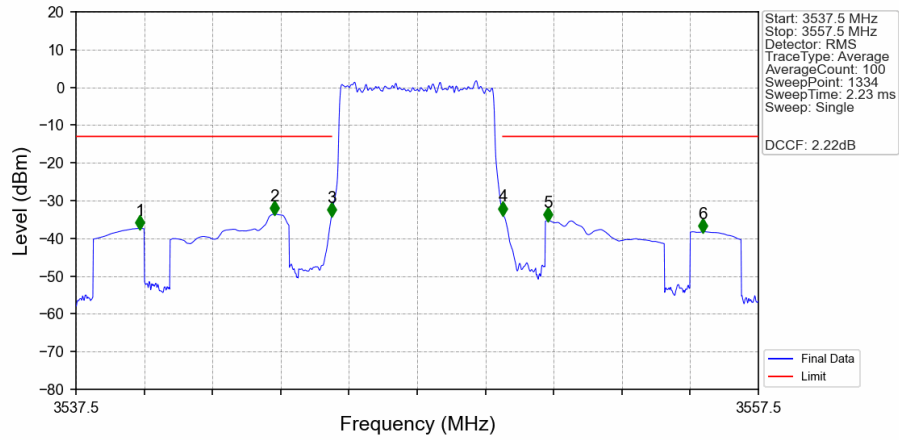


Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_1_24_NTNV



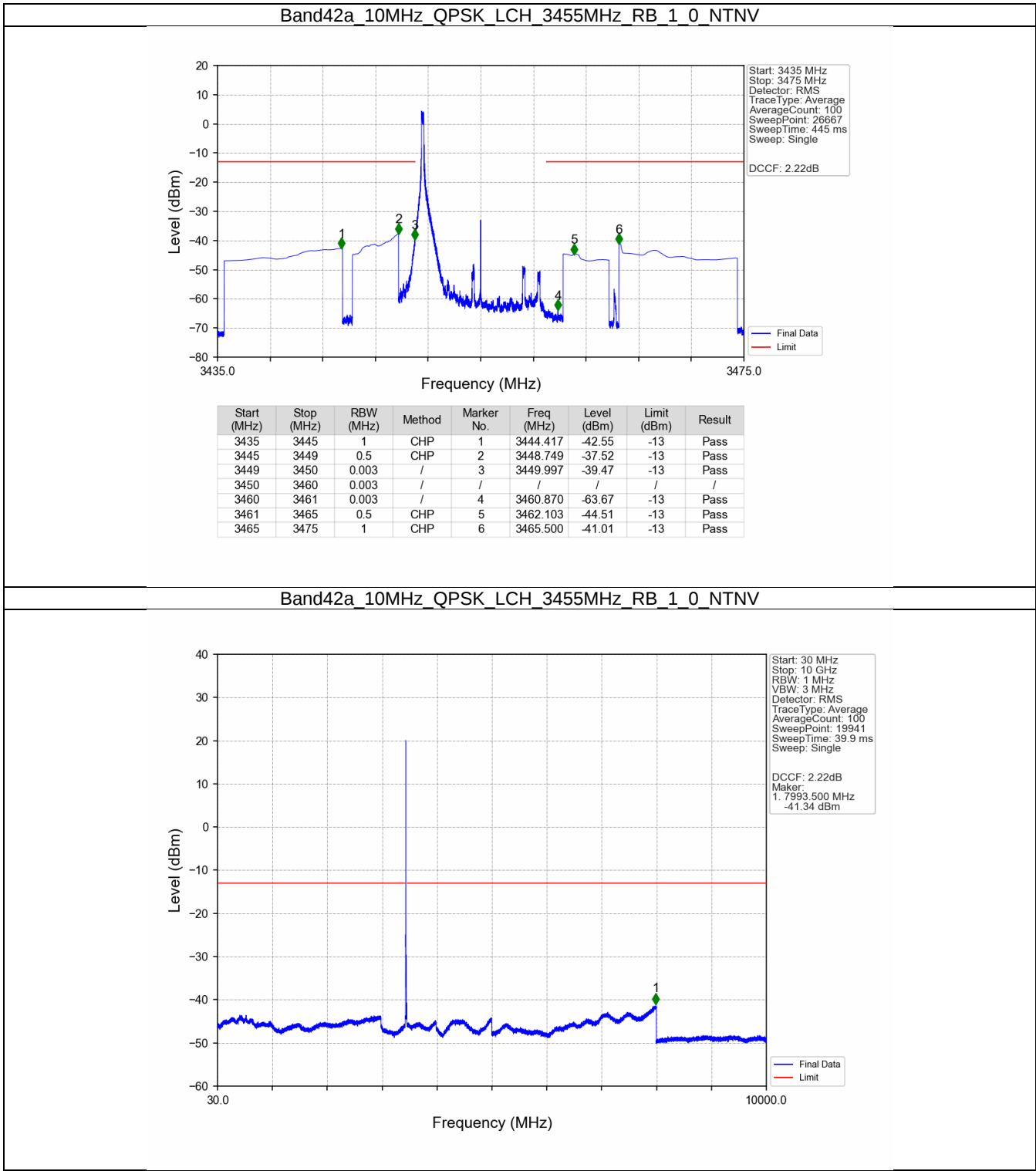
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.020	-43.35	-13	Pass
3540	3544	0.5	CHP	2	3542.411	-42.14	-13	Pass
3544	3545	0.003	/	3	3544.897	-60.98	-13	Pass
3545	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.010	-33.60	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-36.87	-13	Pass
3555	3557.5	1	CHP	6	3555.500	-43.82	-13	Pass

Band42a_5MHz_QPSK_HCH_3547.5MHz_RB_25_0_NTNV

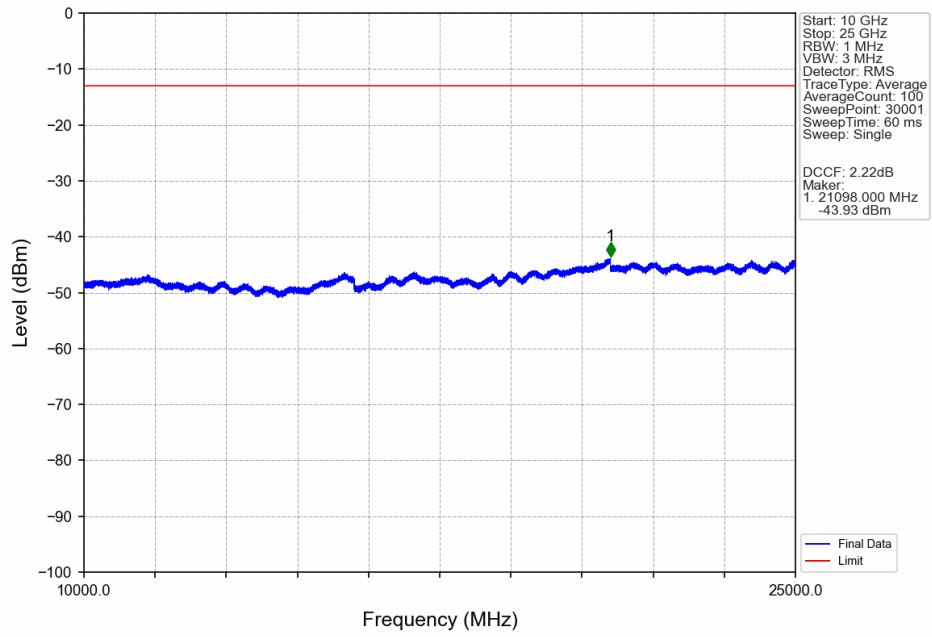


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.375	-37.35	-13	Pass
3540	3544	0.5	CHP	2	3543.321	-33.58	-13	Pass
3544	3545	0.053	CHP	3	3544.987	-34.03	-13	Pass
3545	3550	0.053	CHP	/	/	/	/	/
3550	3551	0.053	CHP	4	3550.013	-33.65	-13	Pass
3551	3555	0.5	CHP	5	3551.318	-35.27	-13	Pass
3555	3557.5	1	CHP	6	3555.880	-38.21	-13	Pass

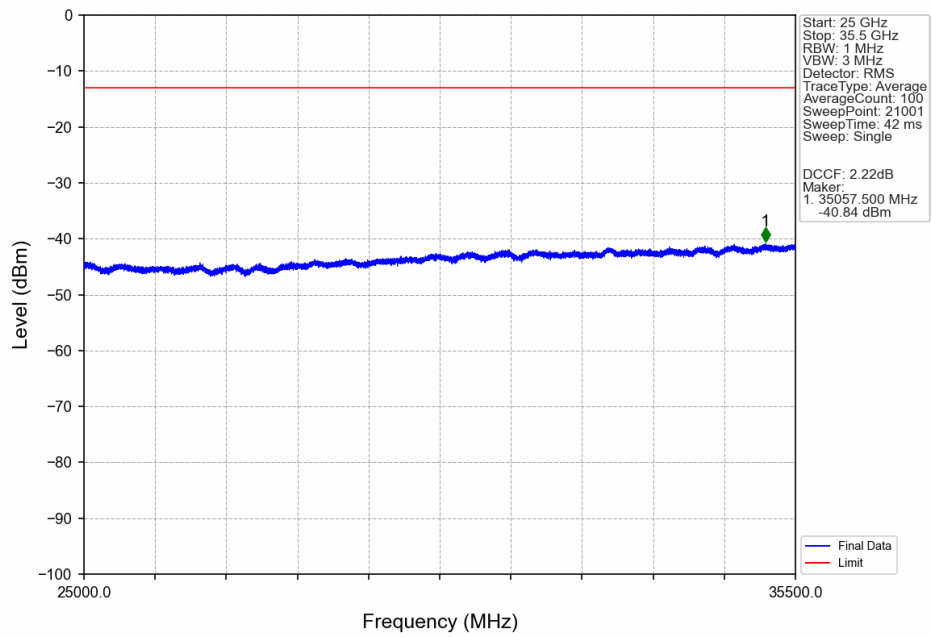
5.2.2 B42a_10MHz



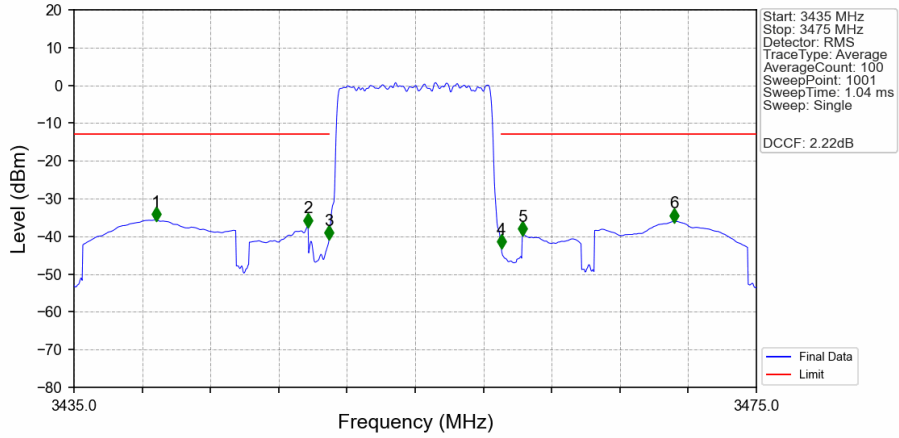
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

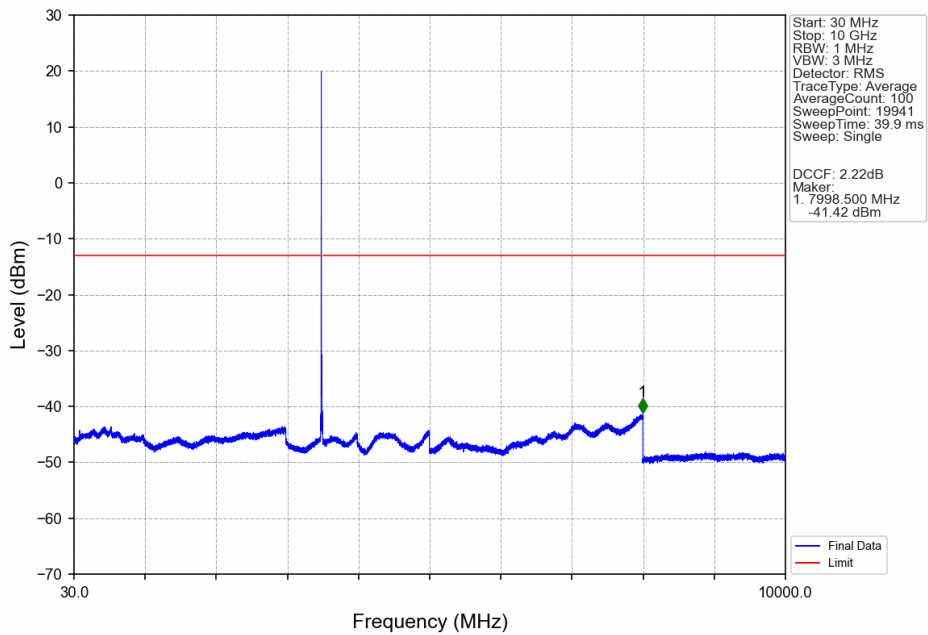


Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV

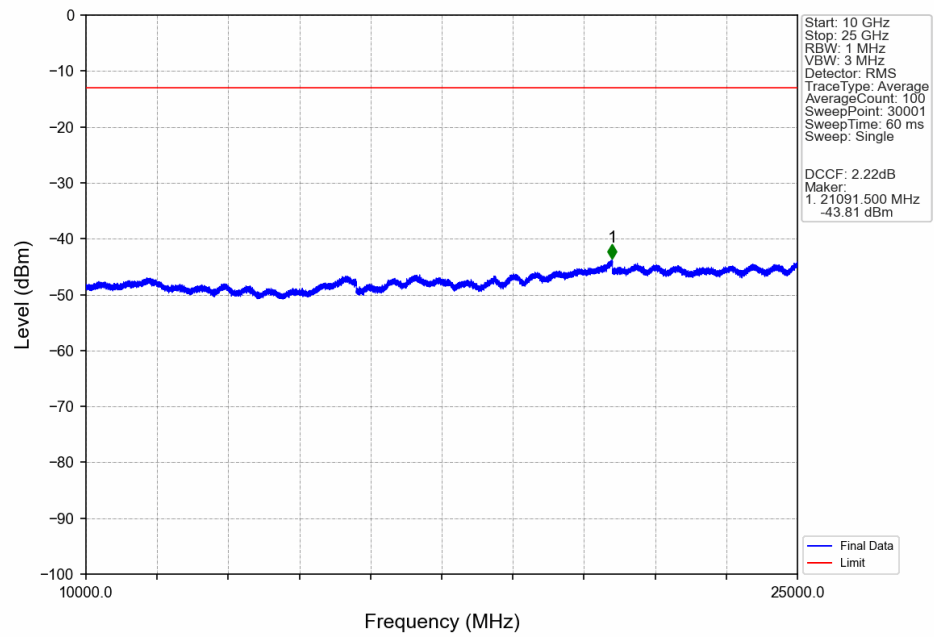


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3439.800	-35.64	-13	Pass
3445	3449	0.5	CHP	2	3448.720	-37.26	-13	Pass
3449	3450	0.101	CHP	3	3449.960	-40.65	-13	Pass
3450	3460	0.101	CHP	/	/	/	/	/
3460	3461	0.101	CHP	4	3460.040	-43.00	-13	Pass
3461	3465	0.5	CHP	5	3461.280	-39.47	-13	Pass
3465	3475	1	CHP	6	3470.200	-36.02	-13	Pass

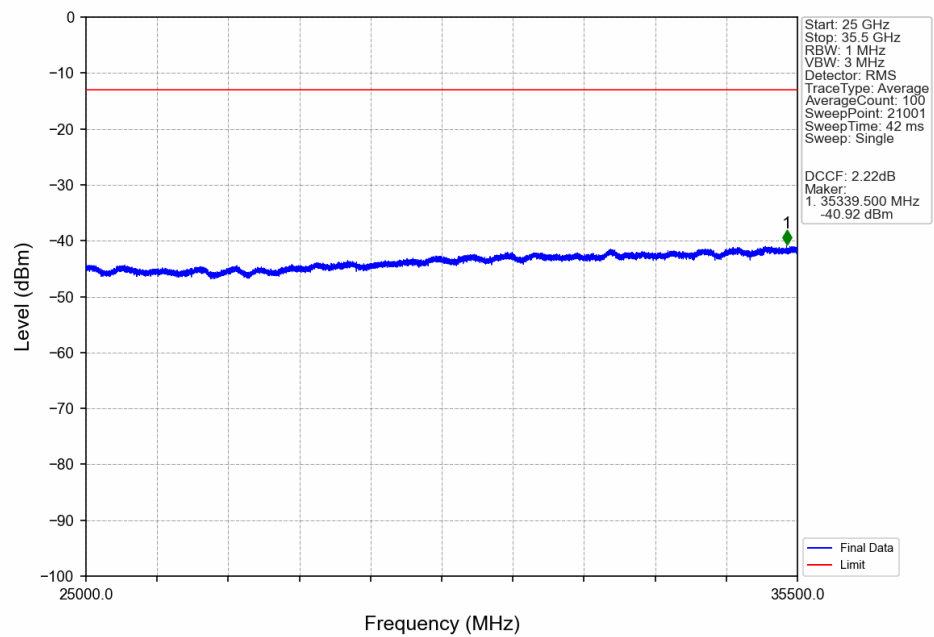
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



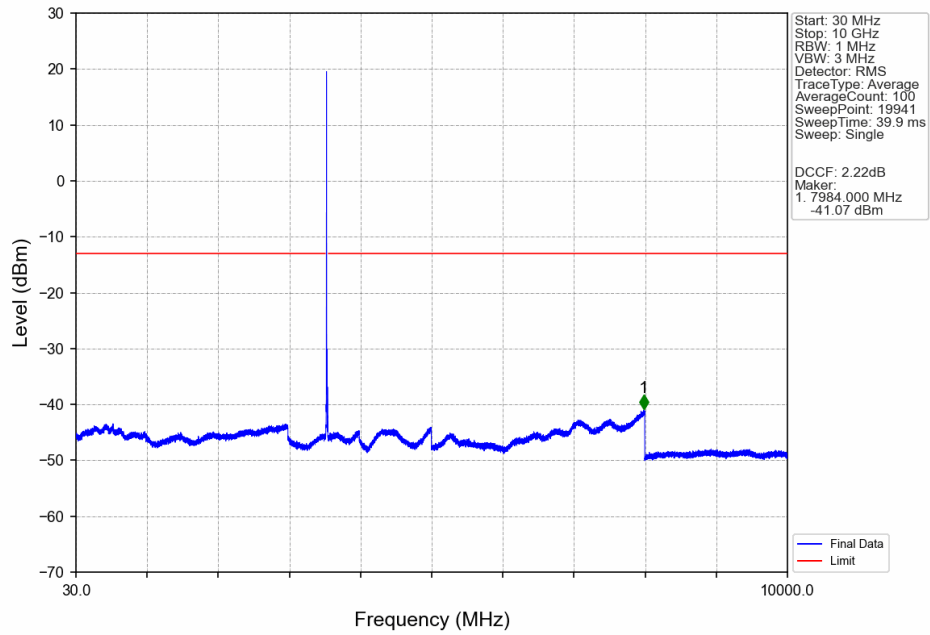
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



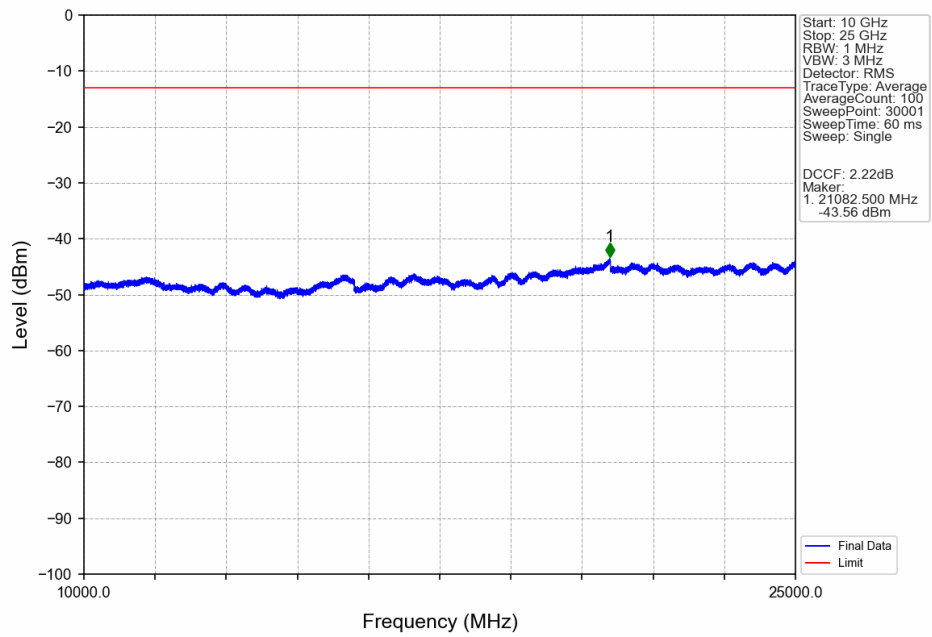
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



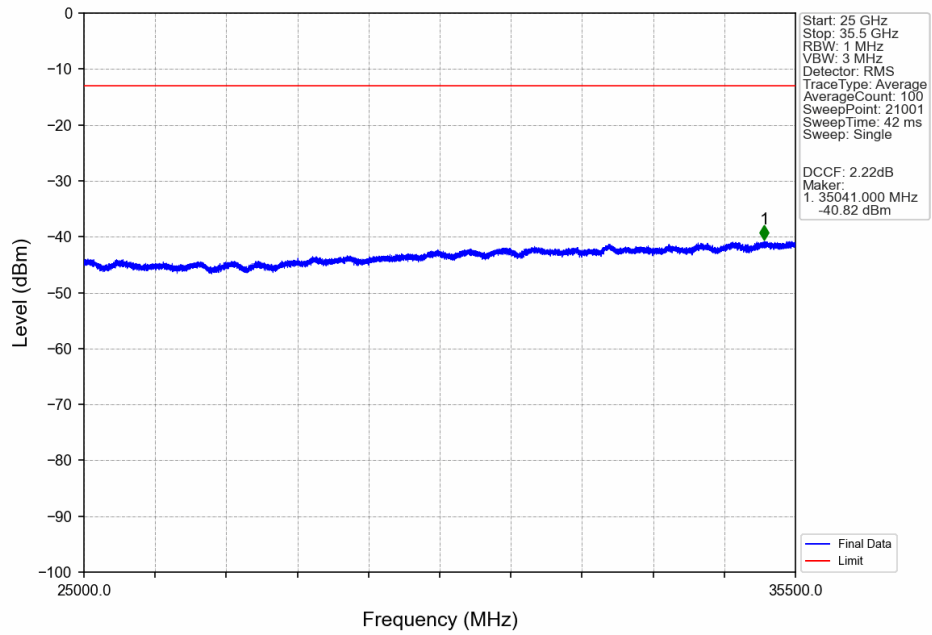
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



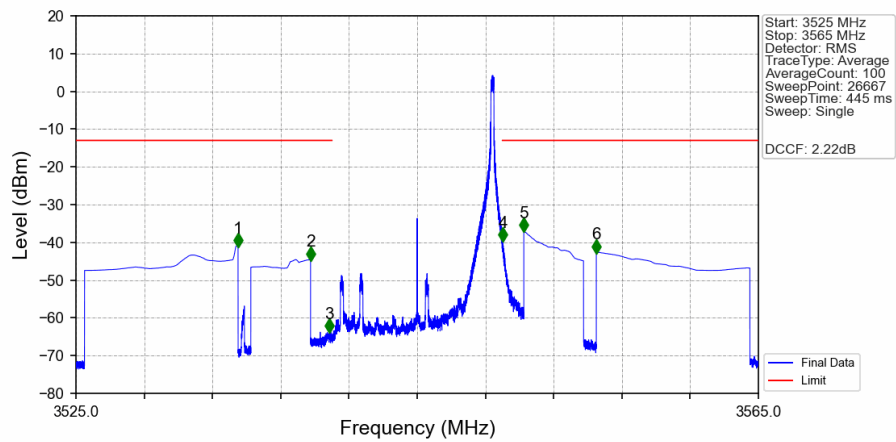
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV

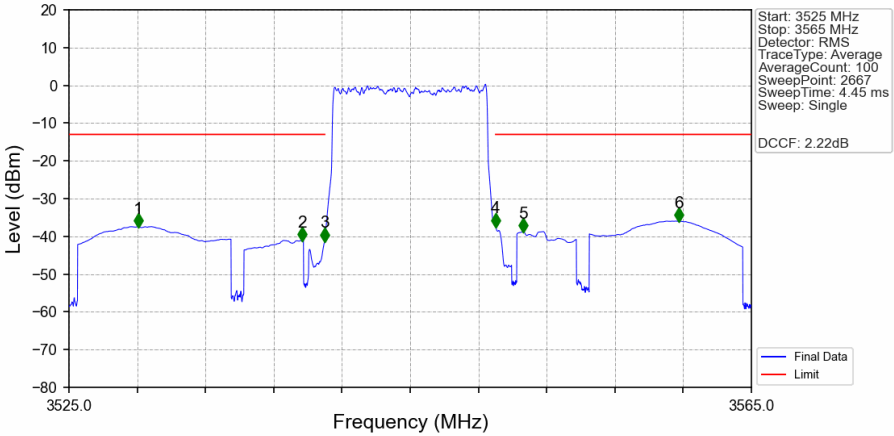


Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_49_NTNV



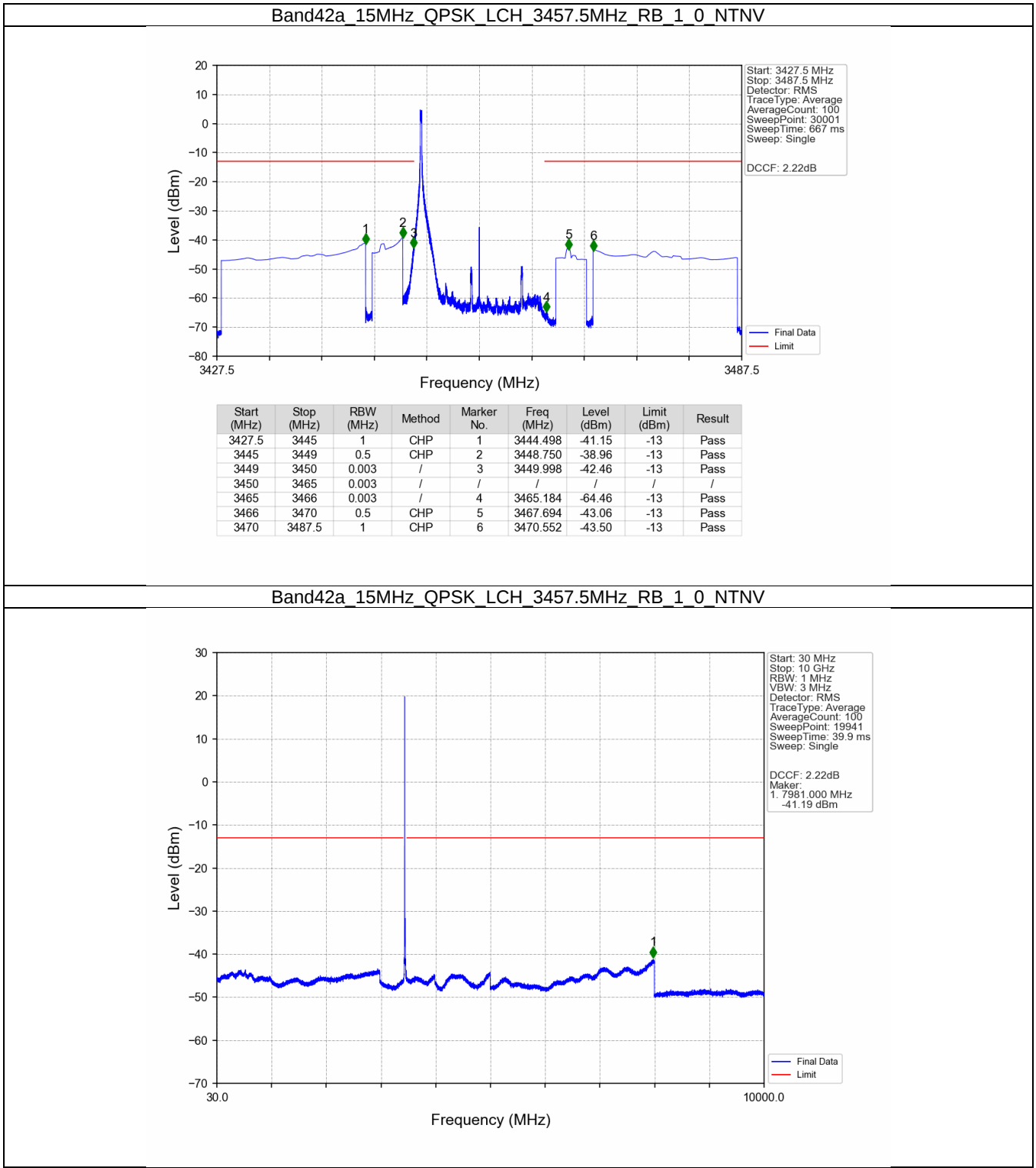
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.497	-40.95	-13	Pass
3535	3539	0.5	CHP	2	3538.748	-44.54	-13	Pass
3539	3540	0.003	/	3	3539.865	-63.60	-13	Pass
3540	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.016	-39.56	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-37.00	-13	Pass
3555	3565	1	CHP	6	3555.500	-42.59	-13	Pass

Band42a_10MHz_QPSK_HCH_3545MHz_RB_50_0_NTNV

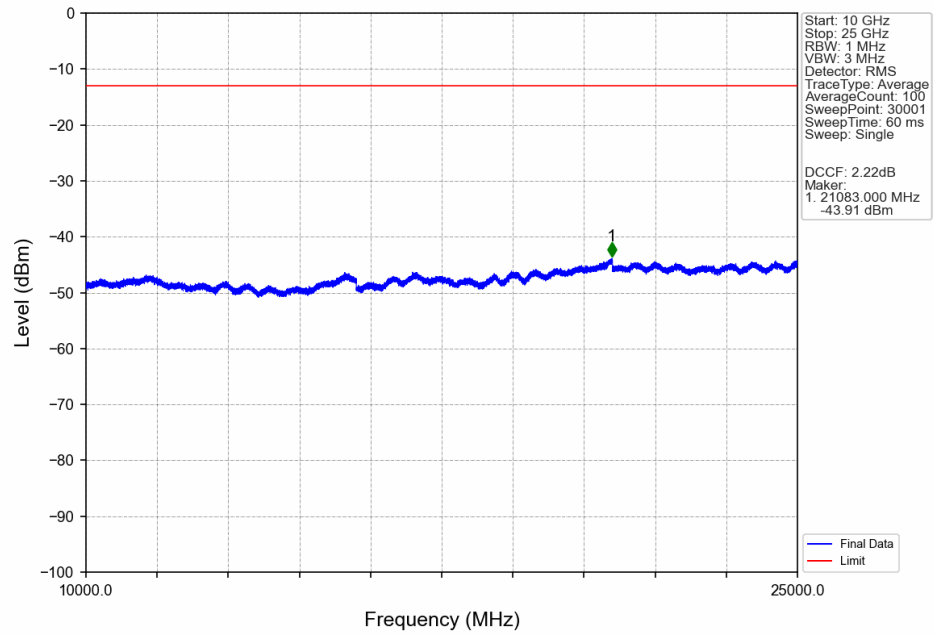


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3529.066	-37.36	-13	Pass
3535	3539	0.5	CHP	2	3538.683	-41.00	-13	Pass
3539	3540	0.099	CHP	3	3539.989	-41.13	-13	Pass
3540	3550	0.099	CHP	/	/	/	/	/
3550	3551	0.099	CHP	4	3550.011	-37.30	-13	Pass
3551	3555	0.5	CHP	5	3551.632	-38.66	-13	Pass
3555	3565	1	CHP	6	3560.739	-35.94	-13	Pass

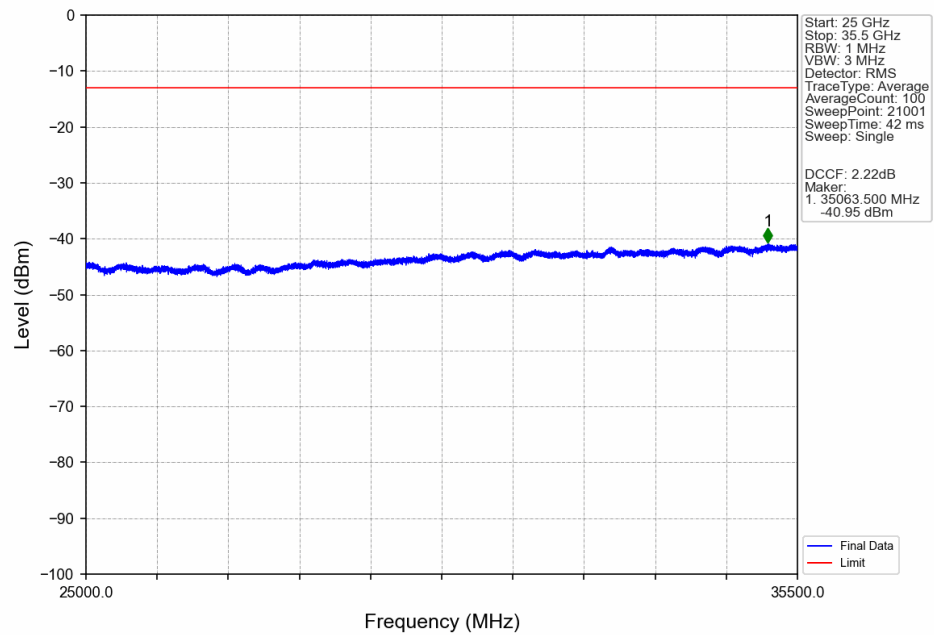
5.2.3 B42a_15MHz



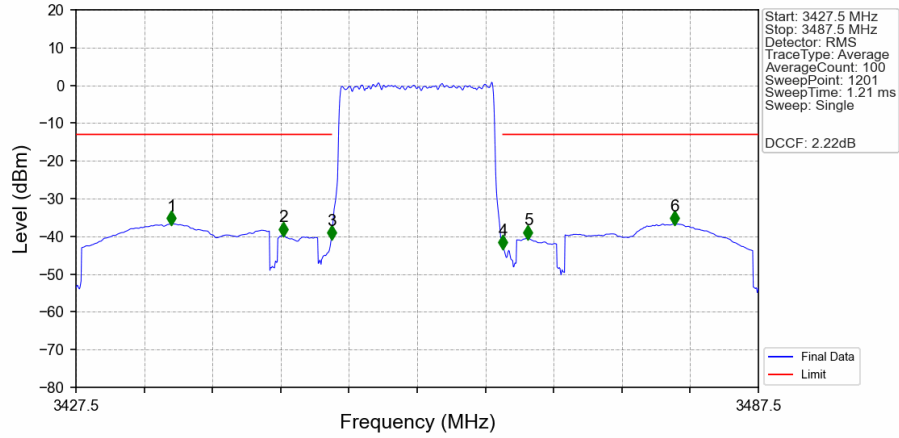
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV

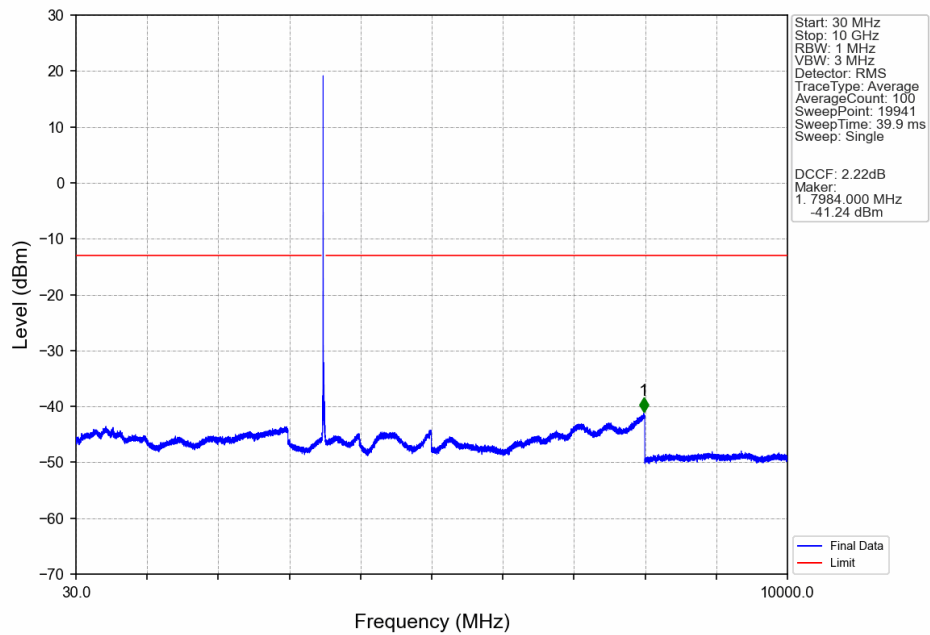


Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV

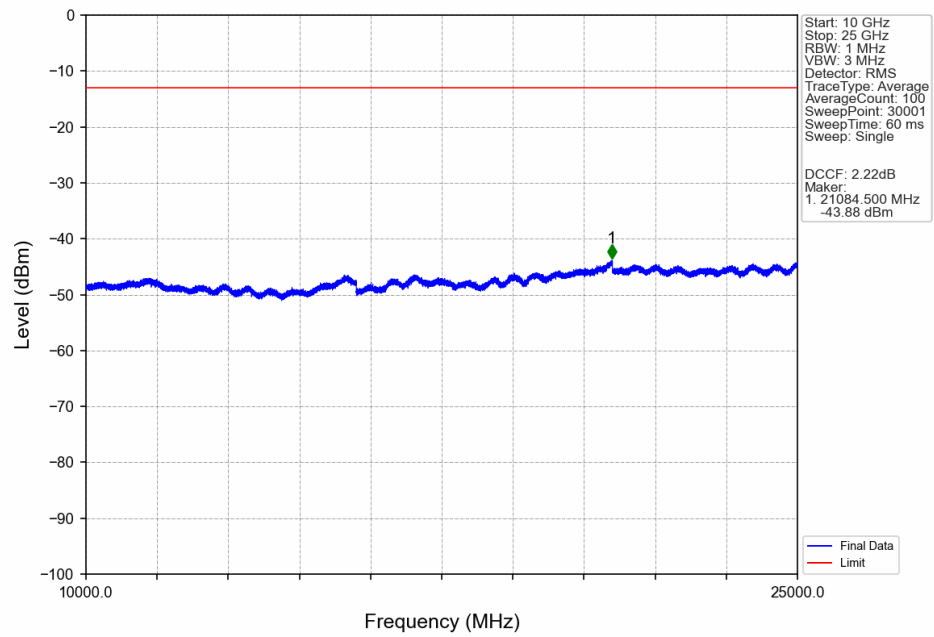


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3427.5	3445	1	CHP	1	3435.900	-36.67	-13	Pass
3445	3449	0.5	CHP	2	3445.750	-39.65	-13	Pass
3449	3450	0.148	CHP	3	3449.950	-40.65	-13	Pass
3450	3465	0.148	CHP	/	/	/	/	/
3465	3466	0.148	CHP	4	3465.050	-43.13	-13	Pass
3466	3470	0.5	CHP	5	3467.250	-40.47	-13	Pass
3470	3487.5	1	CHP	6	3480.100	-36.73	-13	Pass

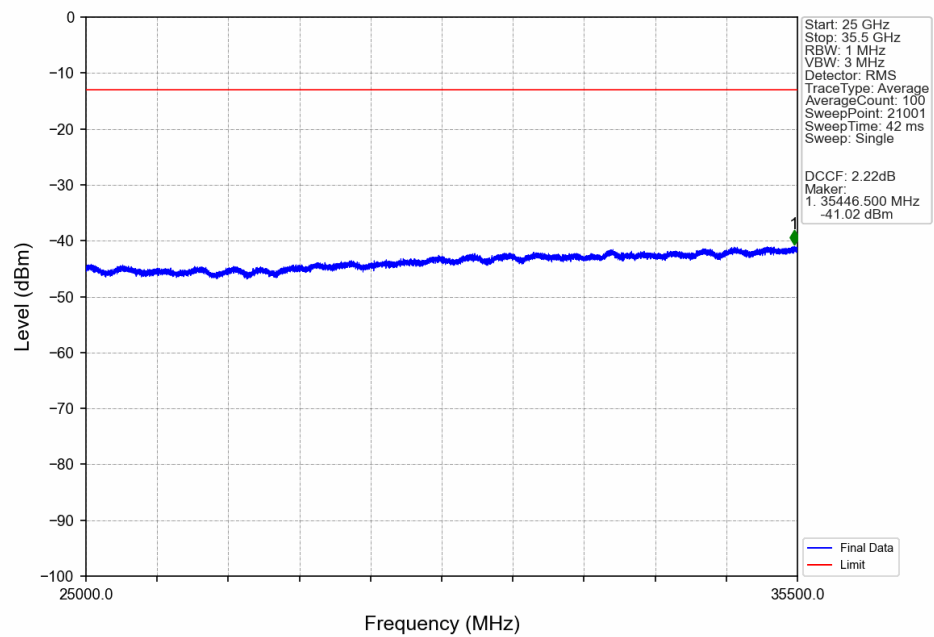
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



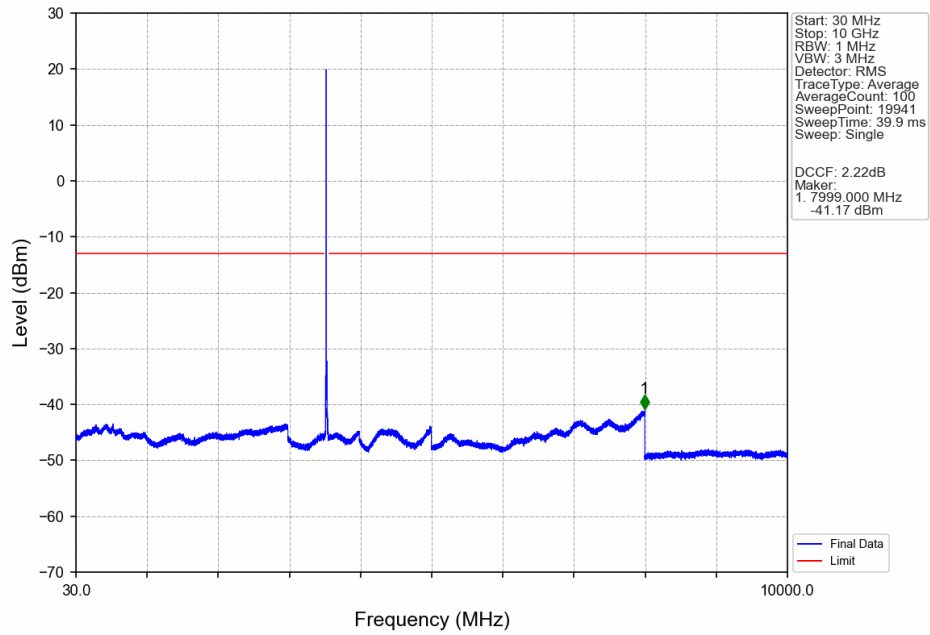
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



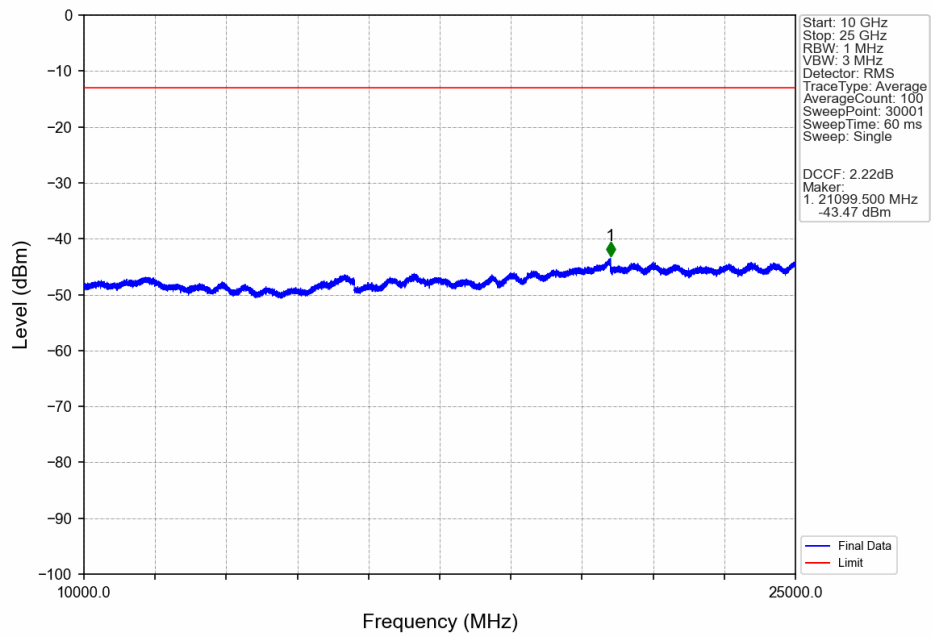
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



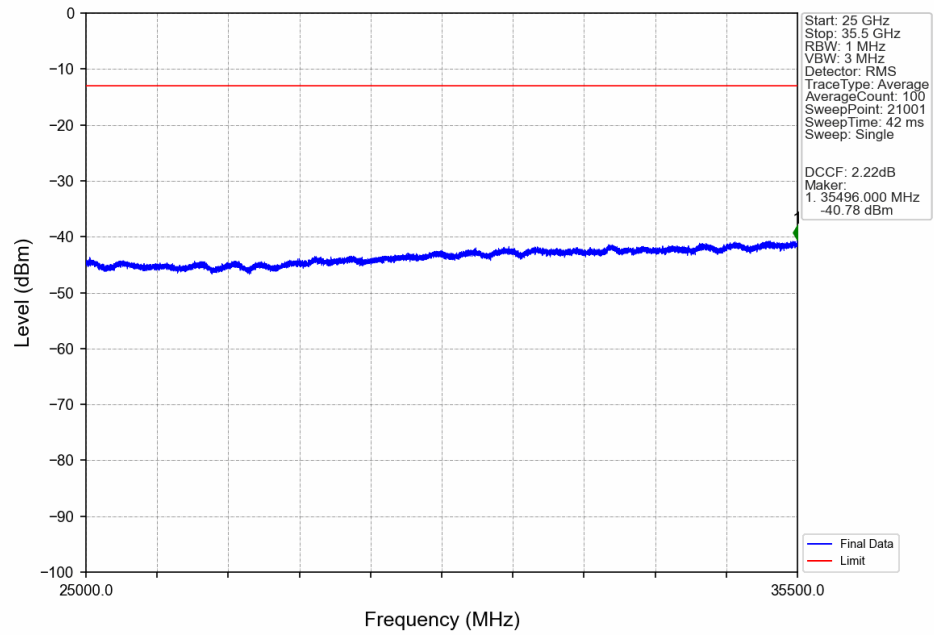
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



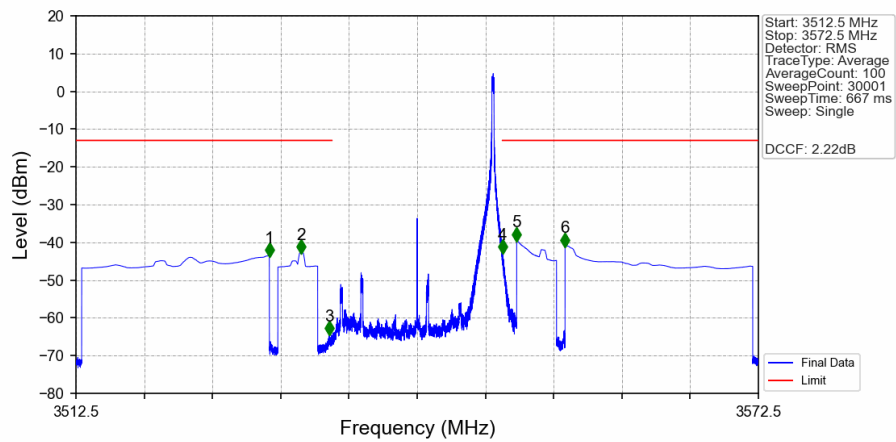
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV

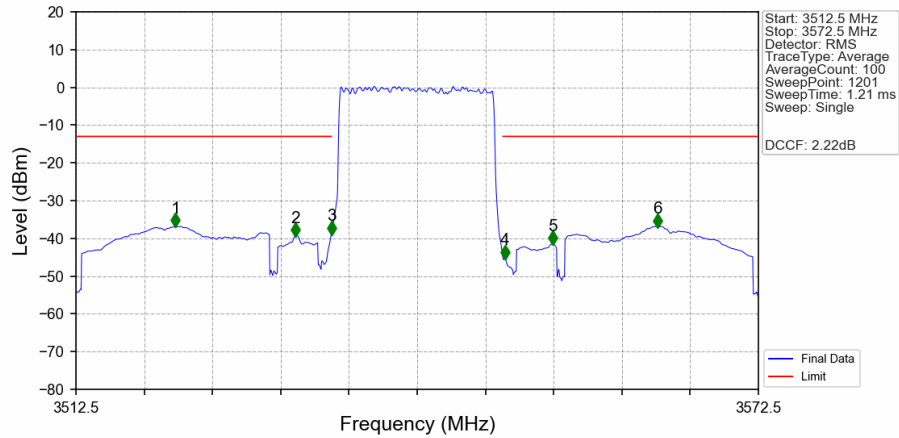


Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_74_NTNV



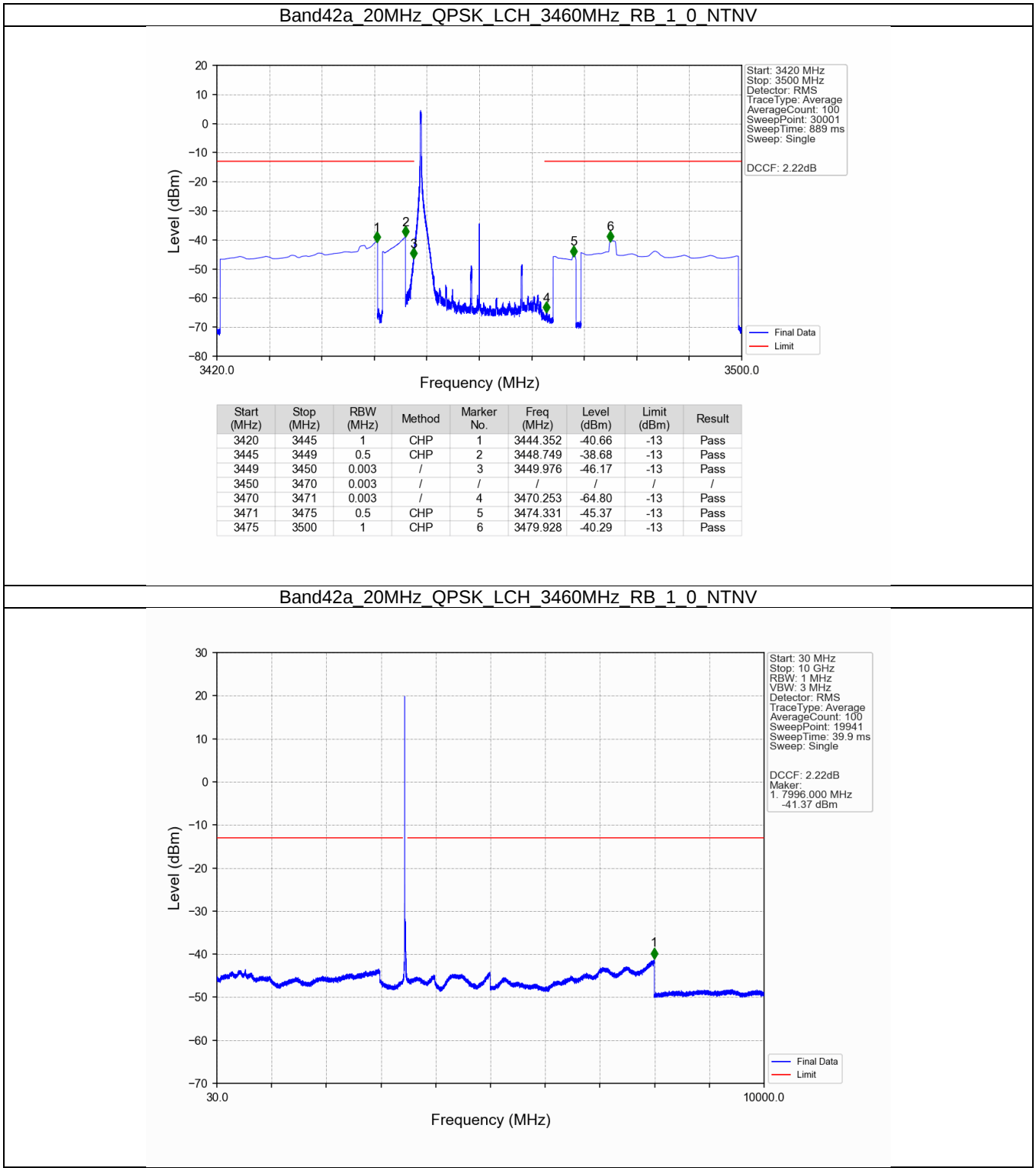
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3529.500	-43.55	-13	Pass
3530	3534	0.5	CHP	2	3532.284	-42.73	-13	Pass
3534	3535	0.003	/	3	3534.778	-64.33	-13	Pass
3535	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.012	-42.75	-13	Pass
3551	3555	0.5	CHP	5	3551.250	-39.39	-13	Pass
3555	3572.5	1	CHP	6	3555.500	-40.89	-13	Pass

Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_75_0_NTNV

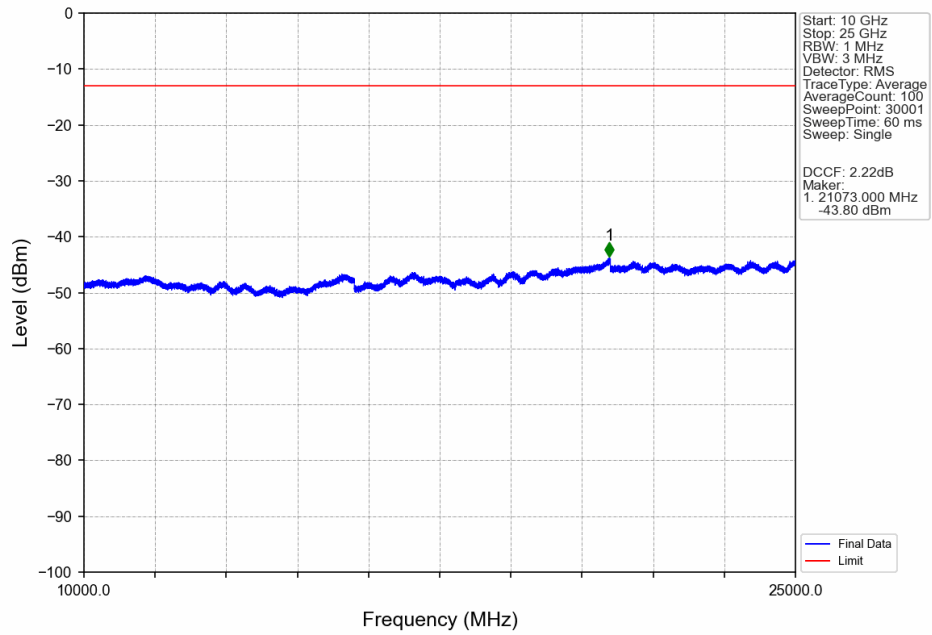


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3521.250	-36.79	-13	Pass
3530	3534	0.5	CHP	2	3531.800	-39.26	-13	Pass
3534	3535	0.148	CHP	3	3534.950	-38.76	-13	Pass
3535	3550	0.148	CHP	/	/	/	/	/
3550	3551	0.148	CHP	4	3550.200	-45.20	-13	Pass
3551	3555	0.5	CHP	5	3554.400	-41.47	-13	Pass
3555	3572.5	1	CHP	6	3563.650	-36.83	-13	Pass

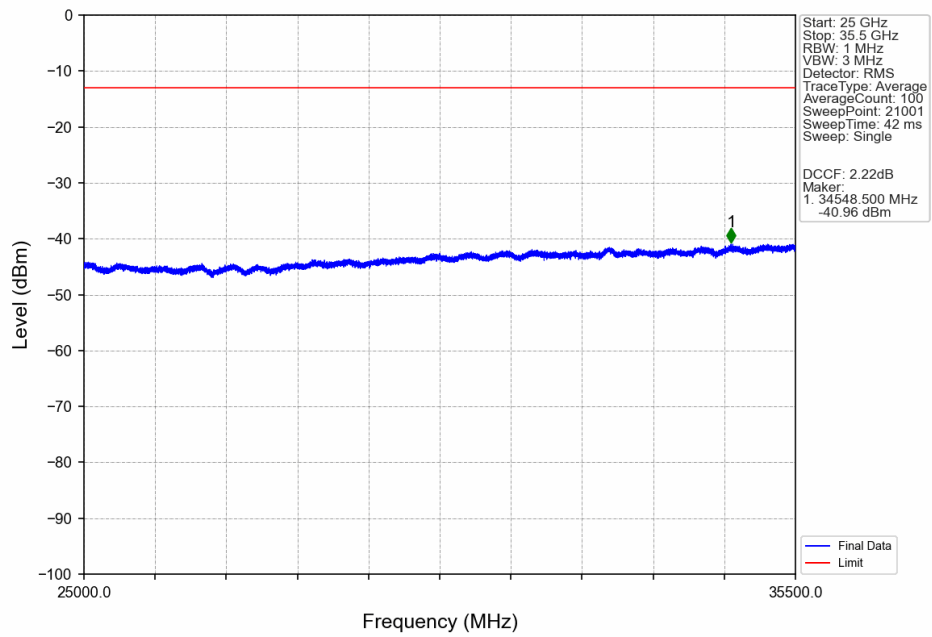
5.2.4 B42a_20MHz



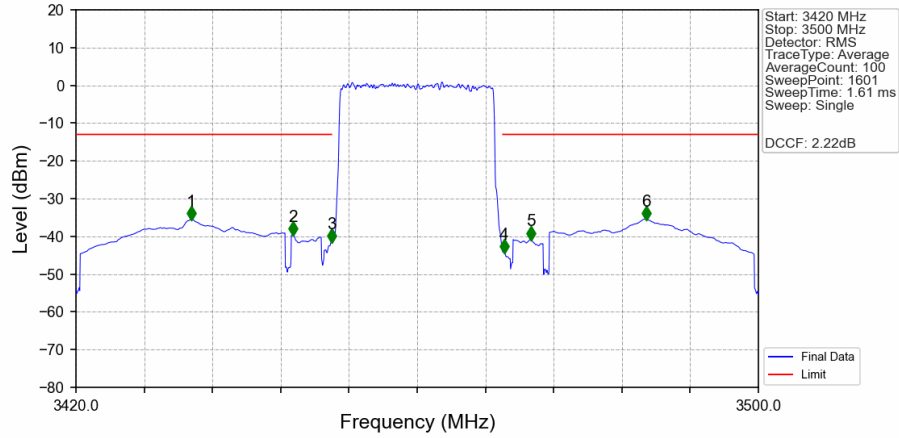
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV

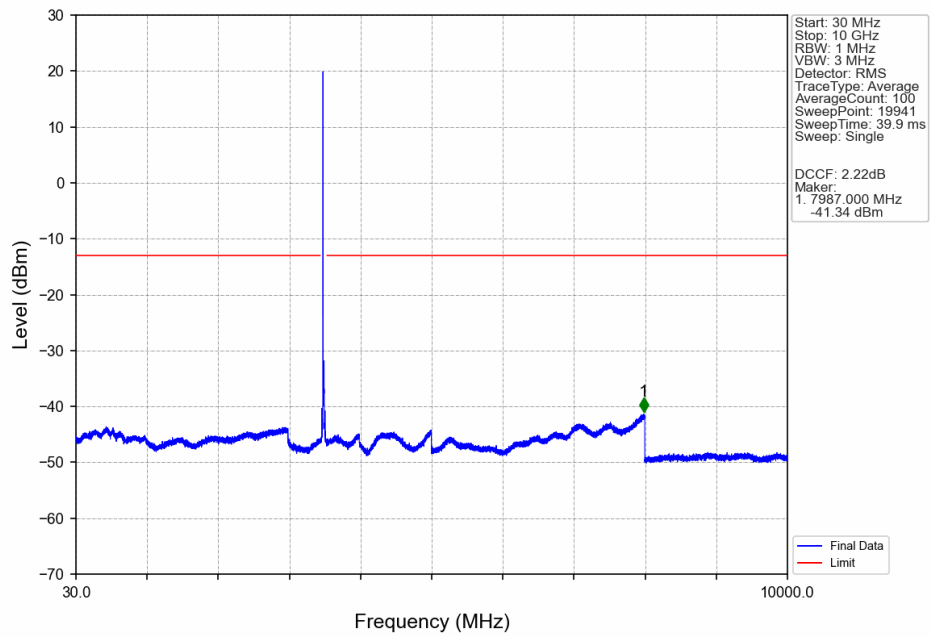


Band42a 20MHz QPSK LCH 3460MHz RB 100_0 NTN

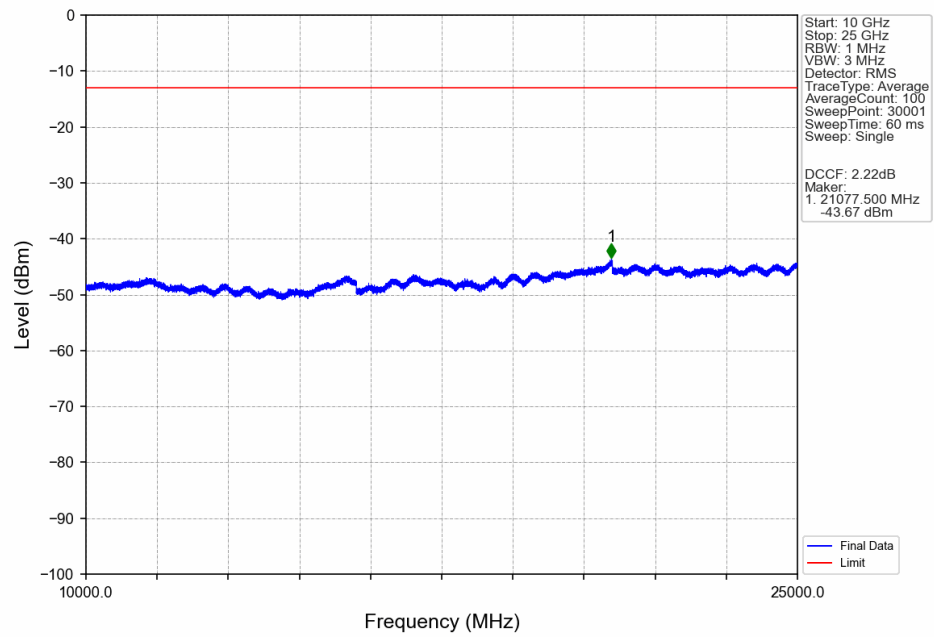


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3420	3445	1	CHP	1	3433.500	-35.44	-13	Pass
3445	3449	0.5	CHP	2	3445.450	-39.48	-13	Pass
3449	3450	0.193	CHP	3	3449.950	-41.38	-13	Pass
3450	3470	0.193	CHP	/	/	/	/	/
3470	3471	0.193	CHP	4	3470.200	-44.16	-13	Pass
3471	3475	0.5	CHP	5	3473.300	-40.68	-13	Pass
3475	3500	1	CHP	6	3486.850	-35.40	-13	Pass

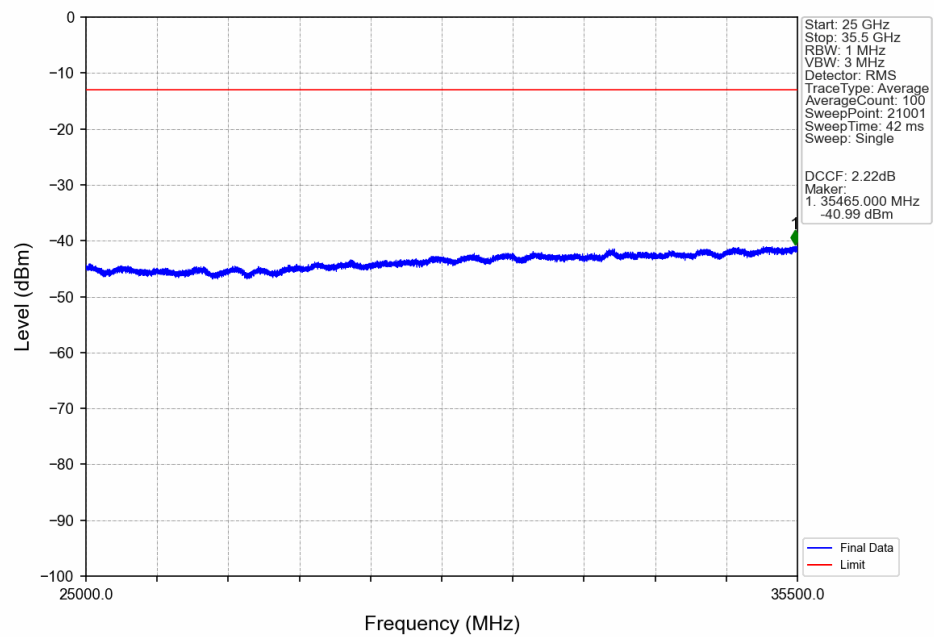
Band42a 20MHz QPSK MCH 3500MHz RB 1 0 NTN



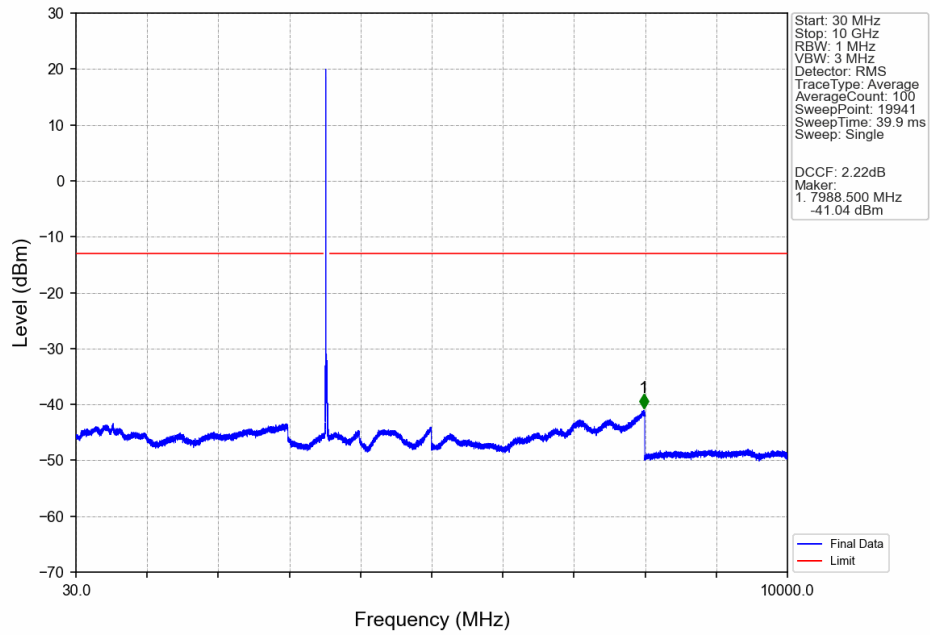
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



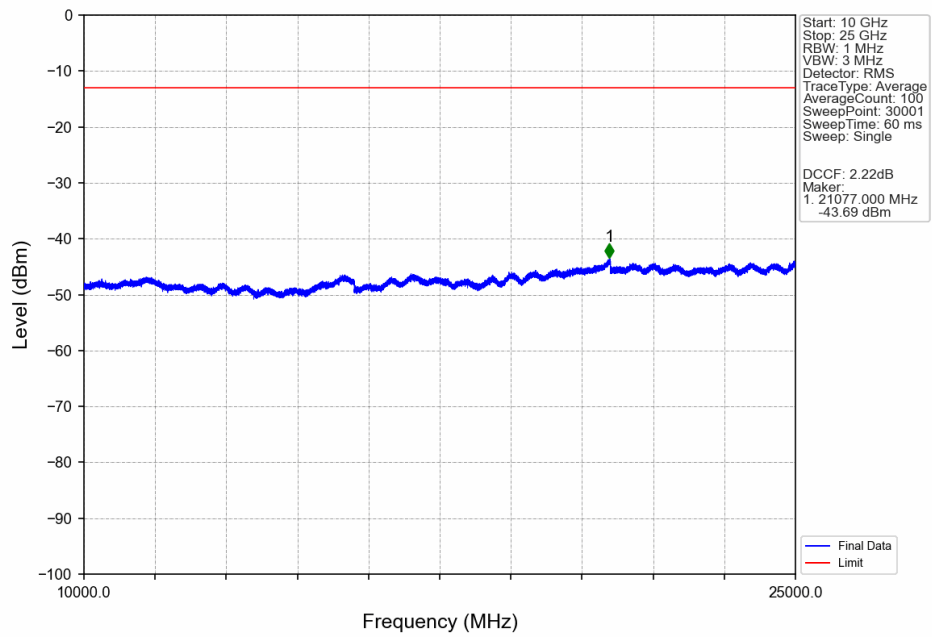
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



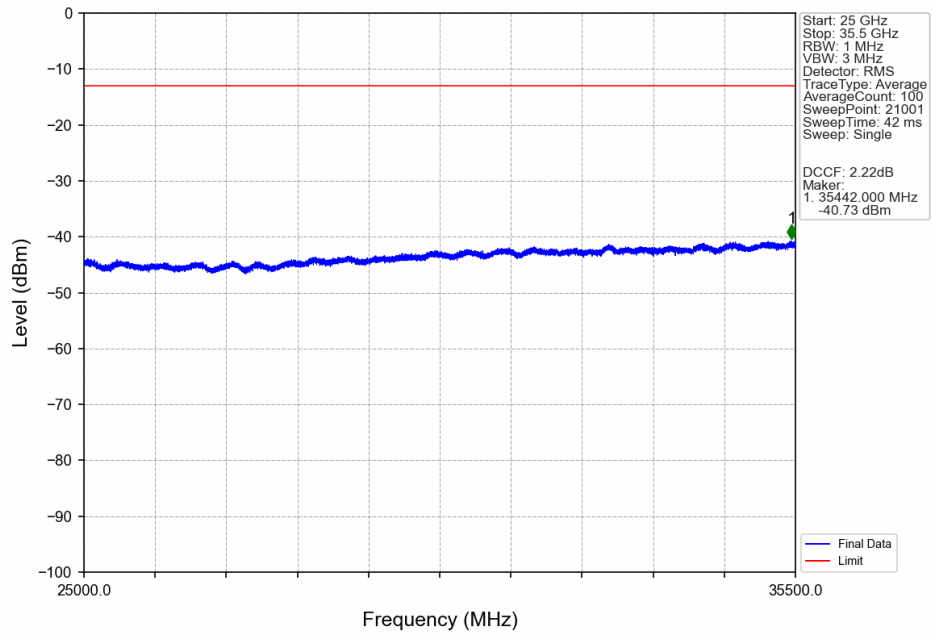
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



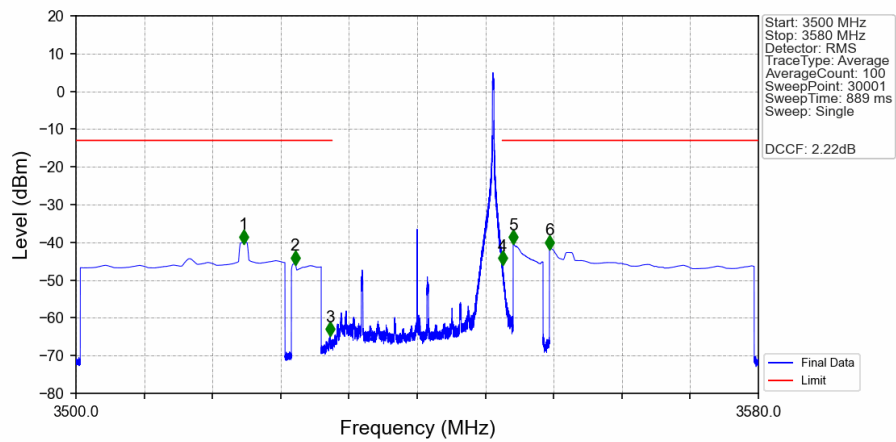
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV

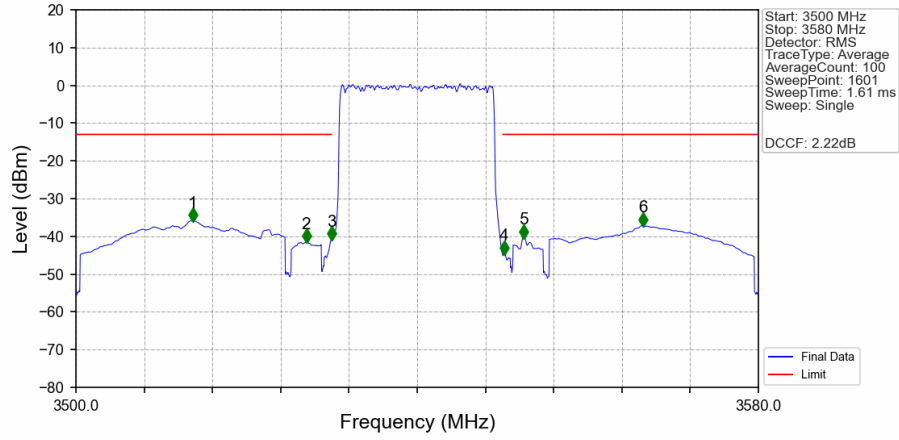


Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3525	1	CHP	1	3519.661	-40.06	-13	Pass
3525	3529	0.5	CHP	2	3525.680	-45.63	-13	Pass
3529	3530	0.003	/	3	3529.781	-64.54	-13	Pass
3530	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.003	-45.67	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-40.21	-13	Pass
3555	3580	1	CHP	6	3555.525	-41.55	-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	3513.700	-35.84	-13	Pass
3525	3529	0.5	CHP	2	3527.000	-41.50	-13	Pass
3529	3530	0.193	CHP	3	3529.950	-40.81	-13	Pass
3530	3550	0.193	CHP	/	/	/	/	/
3550	3551	0.193	CHP	4	3550.200	-44.56	-13	Pass
3551	3555	0.5	CHP	5	3552.450	-40.27	-13	Pass
3555	3580	1	CHP	6	3566.450	-37.09	-13	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band 42 3450-3550_ TM1

Test Channel = Low

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8041	43.12	-44.34	36.35	-60.13	-13.00	47.13	Horizontal
2	12103.375	36.80	-39.41	39.34	-58.53	-13.00	45.53	Horizontal
3	6902.18	42.05	-46.13	35.34	-64.00	-13.00	51.00	Horizontal
4	10353.27	37.20	-41.17	39.05	-60.18	-13.00	47.18	Horizontal
5	13804.36	33.58	-38.51	40.01	-60.19	-13.00	47.19	Horizontal
6	17255.45	34.08	-37.14	40.34	-57.98	-13.00	44.98	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8441.5833	41.76	-44.08	36.79	-60.79	-13.00	47.79	Vertical
2	12467.0625	36.38	-38.65	39.12	-58.41	-13.00	45.41	Vertical
3	6902.18	42.72	-46.13	35.34	-63.33	-13.00	50.33	Vertical
4	10353.27	38.11	-41.17	39.05	-59.27	-13.00	46.27	Vertical
5	13804.36	34.30	-38.51	40.01	-59.47	-13.00	46.47	Vertical
6	17255.45	33.57	-37.14	40.34	-58.49	-13.00	45.49	Vertical

Test Band = LTE Band 42 3450-3550_ TM1
Test Channel = Mid

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8565.6875	41.28	-43.98	36.92	-61.03	-13.00	48.03	Horizontal
2	12449.3333	36.31	-38.56	39.13	-58.38	-13.00	45.38	Horizontal
3	6982.18	42.39	-45.95	35.47	-63.35	-13.00	50.35	Horizontal
4	10473.27	37.22	-40.75	39.13	-59.66	-13.00	46.66	Horizontal
5	13964.36	35.28	-38.86	40.25	-58.59	-13.00	45.59	Horizontal
6	17455.45	33.18	-36.60	41.53	-57.15	-13.00	44.15	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8295.4375	41.63	-44.54	36.62	-61.55	-13.00	48.55	Vertical
2	10473.25	44.00	-40.75	39.13	-52.88	-13.00	39.88	Vertical
3	11332.3958	37.33	-40.21	39.47	-58.67	-13.00	45.67	Vertical
4	6982.18	46.05	-45.95	35.47	-59.69	-13.00	46.69	Vertical
5	13964.36	35.21	-38.86	40.25	-58.66	-13.00	45.66	Vertical
6	17455.45	33.37	-36.60	41.53	-56.96	-13.00	43.96	Vertical

Test Band = LTE Band 42 3450-3550_ TM1
Test Channel = High

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	8451.6458	41.30	-44.01	36.80	-61.17	-13.00	48.17	Horizontal
2	10593.0417	40.35	-41.15	39.22	-56.84	-13.00	43.84	Horizontal
3	12017.125	36.74	-38.70	39.39	-57.83	-13.00	44.83	Horizontal
4	7062.18	42.60	-46.04	35.61	-63.08	-13.00	50.08	Horizontal
5	14124.36	34.04	-38.60	40.29	-59.53	-13.00	46.53	Horizontal
6	17655.45	34.37	-37.34	42.73	-55.50	-13.00	42.50	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7062.0625	47.48	-46.03	35.61	-58.20	-13.00	45.20	Vertical
2	8451.1667	41.56	-44.01	36.80	-60.92	-13.00	47.92	Vertical
3	10593.0417	42.48	-41.15	39.22	-54.71	-13.00	41.71	Vertical
4	12326.6667	36.61	-39.06	39.20	-58.50	-13.00	45.50	Vertical
5	14124.36	33.48	-38.60	40.29	-60.09	-13.00	47.09	Vertical
6	17655.45	32.86	-37.34	42.73	-57.01	-13.00	44.01	Vertical