

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	24.20	0.40	24.60	<=30	Pass
			24	24.20	0.40	24.60	<=30	Pass
		25	0	23.26	0.40	23.66	<=30	Pass
	3500	1	0	24.16	0.40	24.56	<=30	Pass
			24	24.21	0.40	24.61	<=30	Pass
		25	0	23.27	0.40	23.67	<=30	Pass
	3547.5	1	0	24.07	0.40	24.47	<=30	Pass
			24	24.04	0.40	24.44	<=30	Pass
		25	0	23.12	0.40	23.52	<=30	Pass
16QAM	3452.5	1	0	23.34	0.40	23.74	<=30	Pass
			24	23.26	0.40	23.66	<=30	Pass
		25	0	22.24	0.40	22.64	<=30	Pass
	3500	1	0	23.21	0.40	23.61	<=30	Pass
			24	23.42	0.40	23.82	<=30	Pass
		25	0	22.29	0.40	22.69	<=30	Pass
	3547.5	1	0	23.07	0.40	23.47	<=30	Pass
			24	23.09	0.40	23.49	<=30	Pass
		25	0	22.14	0.40	22.54	<=30	Pass
64QAM	3452.5	1	0	23.15	0.40	23.55	<=30	Pass
			24	23.09	0.40	23.49	<=30	Pass
		25	0	22.26	0.40	22.66	<=30	Pass
	3500	1	0	23.23	0.40	23.63	<=30	Pass
			24	23.24	0.40	23.64	<=30	Pass
		25	0	22.26	0.40	22.66	<=30	Pass
	3547.5	1	0	23.15	0.40	23.55	<=30	Pass
			24	23.08	0.40	23.48	<=30	Pass
		25	0	22.13	0.40	22.53	<=30	Pass
256QAM	3452.5	1	0	19.17	0.40	19.57	<=30	Pass
			24	19.08	0.40	19.48	<=30	Pass
		25	0	19.29	0.40	19.69	<=30	Pass
	3500	1	0	19.24	0.40	19.64	<=30	Pass
			24	19.18	0.40	19.58	<=30	Pass
		25	0	19.23	0.40	19.63	<=30	Pass
	3547.5	1	0	19.01	0.40	19.41	<=30	Pass
			24	19.02	0.40	19.42	<=30	Pass
		25	0	19.14	0.40	19.54	<=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	24.23	0.40	24.63	<=30	Pass
			49	24.28	0.40	24.68	<=30	Pass
		50	0	23.26	0.40	23.66	<=30	Pass
	3500	1	0	24.17	0.40	24.57	<=30	Pass

			49	24.21	0.40	24.61	<=30	Pass
		50	0	23.27	0.40	23.67	<=30	Pass
	3545	1	0	24.12	0.40	24.52	<=30	Pass
			49	24.04	0.40	24.44	<=30	Pass
		50	0	23.15	0.40	23.55	<=30	Pass
16QAM	3455	1	0	23.35	0.40	23.75	<=30	Pass
			49	23.35	0.40	23.75	<=30	Pass
		50	0	22.29	0.40	22.69	<=30	Pass
	3500	1	0	23.27	0.40	23.67	<=30	Pass
			49	23.31	0.40	23.71	<=30	Pass
		50	0	22.33	0.40	22.73	<=30	Pass
	3545	1	0	23.18	0.40	23.58	<=30	Pass
			49	23.14	0.40	23.54	<=30	Pass
		50	0	22.20	0.40	22.60	<=30	Pass
64QAM	3455	1	0	23.15	0.40	23.55	<=30	Pass
			49	23.23	0.40	23.63	<=30	Pass
		50	0	22.26	0.40	22.66	<=30	Pass
	3500	1	0	23.10	0.40	23.50	<=30	Pass
			49	23.22	0.40	23.62	<=30	Pass
		50	0	22.27	0.40	22.67	<=30	Pass
3545	1	0	23.00	0.40	23.40	<=30	Pass	
		49	23.11	0.40	23.51	<=30	Pass	
	50	0	22.12	0.40	22.52	<=30	Pass	
256QAM	3455	1	0	19.21	0.40	19.61	<=30	Pass
			49	19.20	0.40	19.60	<=30	Pass
		50	0	19.26	0.40	19.66	<=30	Pass
	3500	1	0	19.21	0.40	19.61	<=30	Pass
			49	19.28	0.40	19.68	<=30	Pass
		50	0	19.29	0.40	19.69	<=30	Pass
	3545	1	0	18.98	0.40	19.38	<=30	Pass
49			18.91	0.40	19.31	<=30	Pass	
50		0	19.16	0.40	19.56	<=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	24.02	0.40	24.42	<=30	Pass
			74	24.01	0.40	24.41	<=30	Pass
		75	0	23.15	0.40	23.55	<=30	Pass
	3500	1	0	24.00	0.40	24.40	<=30	Pass
			74	23.95	0.40	24.35	<=30	Pass
		75	0	23.12	0.40	23.52	<=30	Pass
	3542.5	1	0	23.89	0.40	24.29	<=30	Pass
			74	23.87	0.40	24.27	<=30	Pass
		75	0	22.95	0.40	23.35	<=30	Pass
16QAM	3457.5	1	0	23.16	0.40	23.56	<=30	Pass
			74	23.09	0.40	23.49	<=30	Pass
		75	0	22.13	0.40	22.53	<=30	Pass
	3500	1	0	23.05	0.40	23.45	<=30	Pass
			74	23.04	0.40	23.44	<=30	Pass
		75	0	22.16	0.40	22.56	<=30	Pass
	3542.5	1	0	22.94	0.40	23.34	<=30	Pass
			74	22.92	0.40	23.32	<=30	Pass
		75	0	21.96	0.40	22.36	<=30	Pass

64QAM	3457.5	1	0	23.00	0.40	23.40	<=30	Pass
			74	23.02	0.40	23.42	<=30	Pass
		75	0	22.18	0.40	22.58	<=30	Pass
	3500	1	0	23.05	0.40	23.45	<=30	Pass
			74	23.11	0.40	23.51	<=30	Pass
		75	0	22.16	0.40	22.56	<=30	Pass
	3542.5	1	0	22.80	0.40	23.20	<=30	Pass
			74	22.83	0.40	23.23	<=30	Pass
		75	0	21.94	0.40	22.34	<=30	Pass
256QAM	3457.5	1	0	18.91	0.40	19.31	<=30	Pass
			74	19.12	0.40	19.52	<=30	Pass
		75	0	19.18	0.40	19.58	<=30	Pass
	3500	1	0	18.97	0.40	19.37	<=30	Pass
			74	19.08	0.40	19.48	<=30	Pass
		75	0	19.14	0.40	19.54	<=30	Pass
	3542.5	1	0	18.85	0.40	19.25	<=30	Pass
			74	19.06	0.40	19.46	<=30	Pass
		75	0	18.95	0.40	19.35	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B42a_20MHz_EIRP

Band: 42a / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3460	1	0	24.10	0.40	24.50	<=30	Pass
			99	23.98	0.40	24.38	<=30	Pass
		100	0	23.13	0.40	23.53	<=30	Pass
	3500	1	0	24.04	0.40	24.44	<=30	Pass
			99	23.87	0.40	24.27	<=30	Pass
		100	0	23.17	0.40	23.57	<=30	Pass
	3540	1	0	23.84	0.40	24.24	<=30	Pass
			99	23.76	0.40	24.16	<=30	Pass
		100	0	23.04	0.40	23.44	<=30	Pass
16QAM	3460	1	0	23.11	0.40	23.51	<=30	Pass
			99	23.00	0.40	23.40	<=30	Pass
		100	0	22.17	0.40	22.57	<=30	Pass
	3500	1	0	23.19	0.40	23.59	<=30	Pass
			99	22.93	0.40	23.33	<=30	Pass
		100	0	22.13	0.40	22.53	<=30	Pass
	3540	1	0	22.86	0.40	23.26	<=30	Pass
			99	22.97	0.40	23.37	<=30	Pass
		100	0	22.07	0.40	22.47	<=30	Pass
64QAM	3460	1	0	23.11	0.40	23.51	<=30	Pass
			99	22.97	0.40	23.37	<=30	Pass
		100	0	22.17	0.40	22.57	<=30	Pass
	3500	1	0	22.92	0.40	23.32	<=30	Pass
			99	22.91	0.40	23.31	<=30	Pass
		100	0	22.13	0.40	22.53	<=30	Pass
	3540	1	0	22.86	0.40	23.26	<=30	Pass
			99	22.86	0.40	23.26	<=30	Pass
		100	0	22.05	0.40	22.45	<=30	Pass
256QAM	3460	1	0	18.92	0.40	19.32	<=30	Pass
			99	19.00	0.40	19.40	<=30	Pass
		100	0	19.16	0.40	19.56	<=30	Pass
	3500	1	0	19.15	0.40	19.55	<=30	Pass
			99	19.05	0.40	19.45	<=30	Pass

	3540	100	0	19.16	0.40	19.56	<=30	Pass
		1	0	18.95	0.40	19.35	<=30	Pass
			99	19.06	0.40	19.46	<=30	Pass
		100	0	19.00	0.40	19.40	<=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	3.6	1.800	0.0005	-2.5 to 2.5	Pass
					3.84	-2.100	-0.0006	-2.5 to 2.5	Pass
					4.3	-2.900	-0.0008	-2.5 to 2.5	Pass
				-30	3.84	1.200	0.0003	-2.5 to 2.5	Pass
				-20	3.84	-2.300	-0.0007	-2.5 to 2.5	Pass
				-10	3.84	-0.500	-0.0001	-2.5 to 2.5	Pass
				0	3.84	-2.800	-0.0008	-2.5 to 2.5	Pass
				10	3.84	-0.400	-0.0001	-2.5 to 2.5	Pass
				30	3.84	-1.200	-0.0003	-2.5 to 2.5	Pass
				40	3.84	3.300	0.0009	-2.5 to 2.5	Pass
				50	3.84	0.800	0.0002	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band42a_OBW

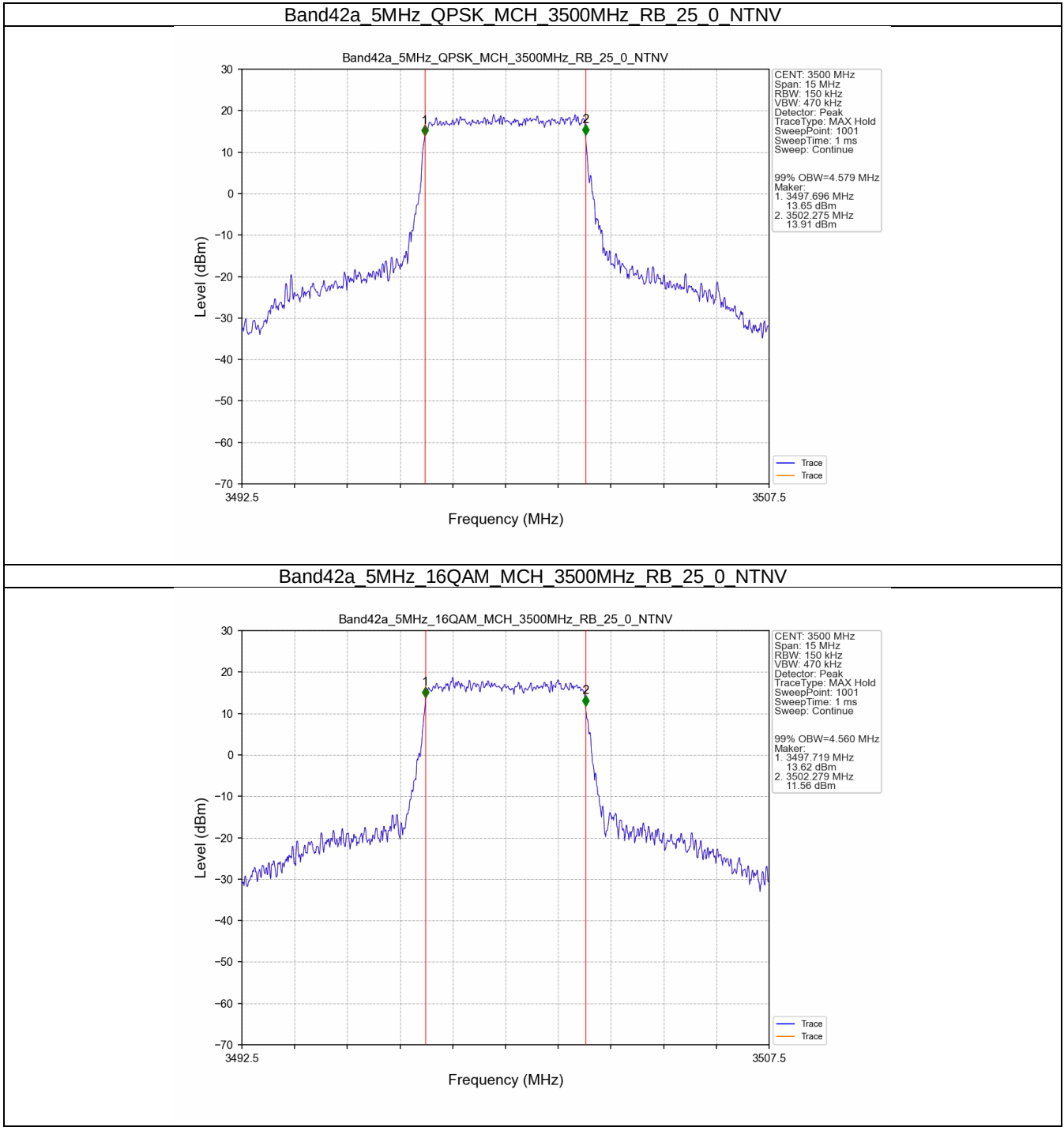
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	4.579	/	Pass
	16QAM	3500	25	0	4.560	/	Pass
10	QPSK	3500	50	0	9.069	/	Pass
	16QAM	3500	50	0	9.064	/	Pass
15	QPSK	3500	75	0	13.623	/	Pass
	16QAM	3500	75	0	13.588	/	Pass
20	QPSK	3500	100	0	18.128	/	Pass
	16QAM	3500	100	0	18.076	/	Pass

3.1.2 Band42a_XDB

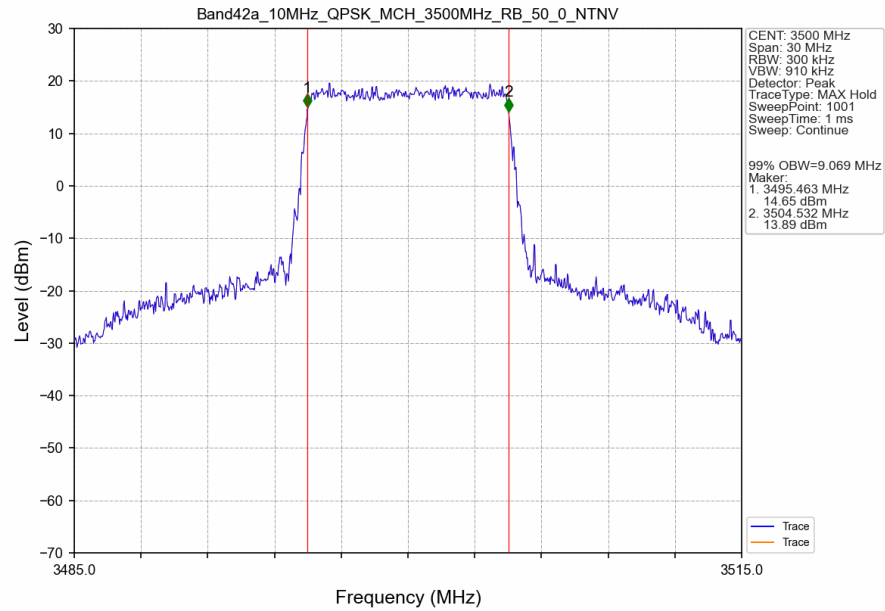
Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3500	25	0	5.249	/	Pass
	16QAM	3500	25	0	5.211	/	Pass
10	QPSK	3500	50	0	10.230	/	Pass
	16QAM	3500	50	0	10.198	/	Pass
15	QPSK	3500	75	0	15.267	/	Pass
	16QAM	3500	75	0	15.189	/	Pass
20	QPSK	3500	100	0	19.920	/	Pass
	16QAM	3500	100	0	19.838	/	Pass

3.2 Test Graph

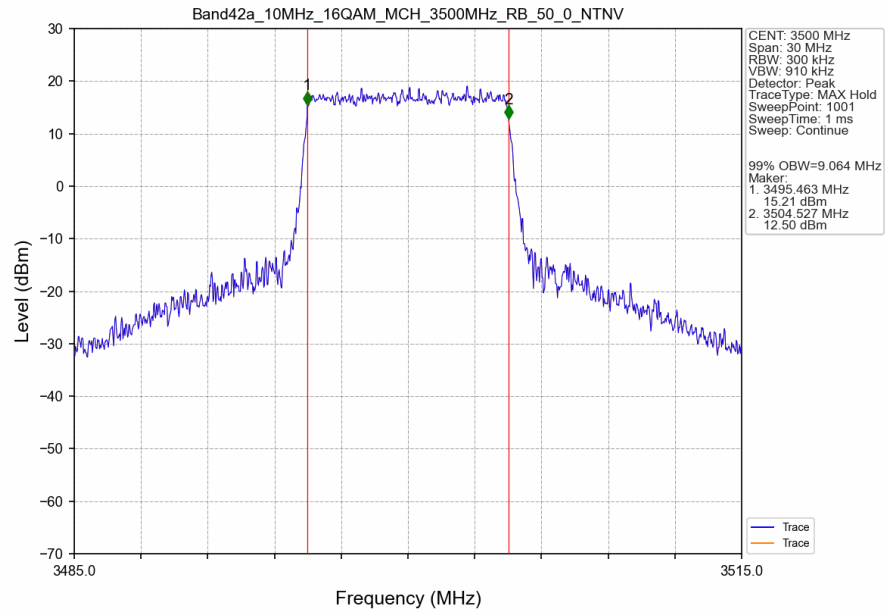
3.2.1 Band42a_OBW



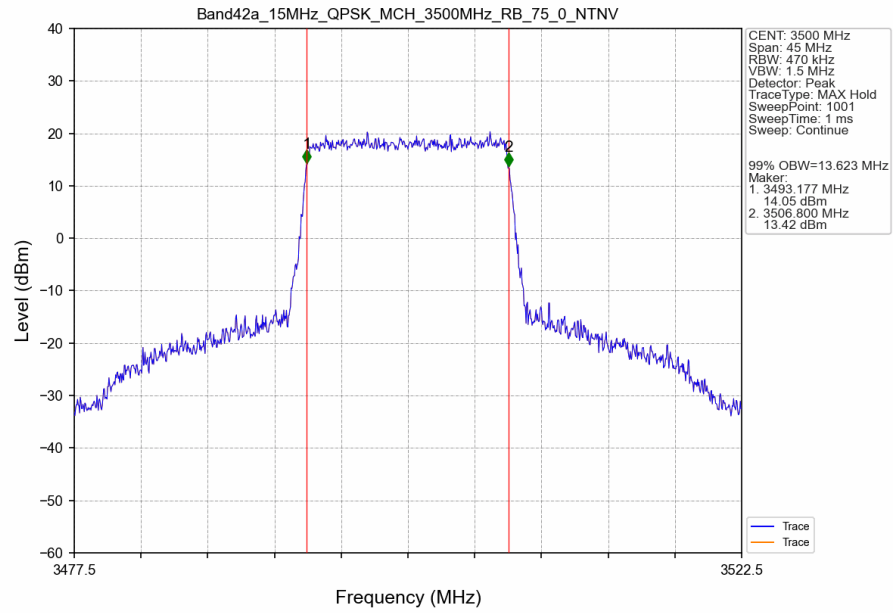
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTN



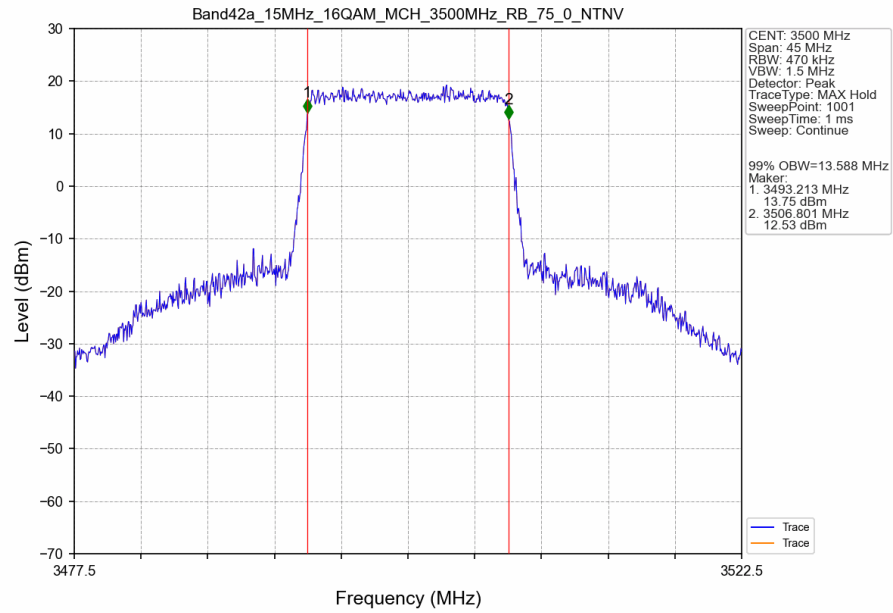
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTN



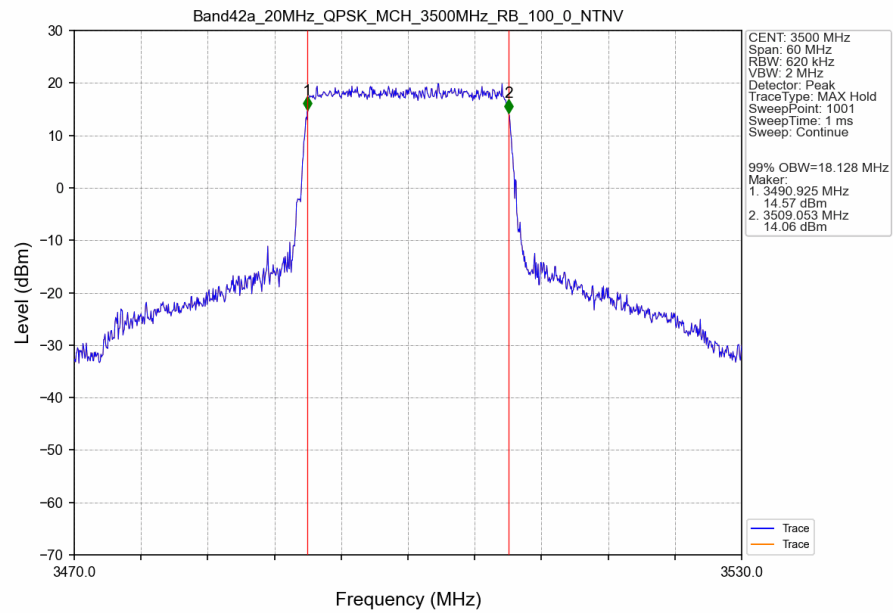
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTNV



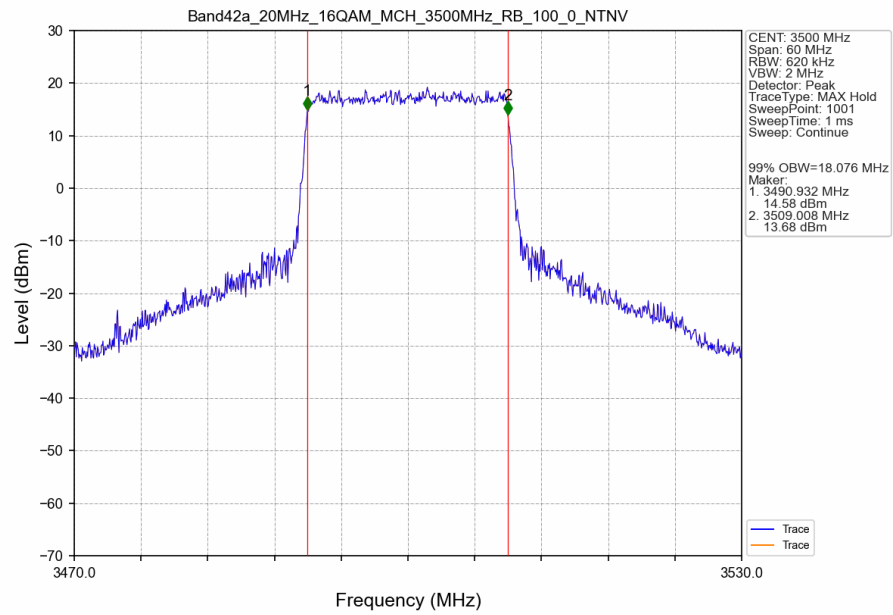
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTNV



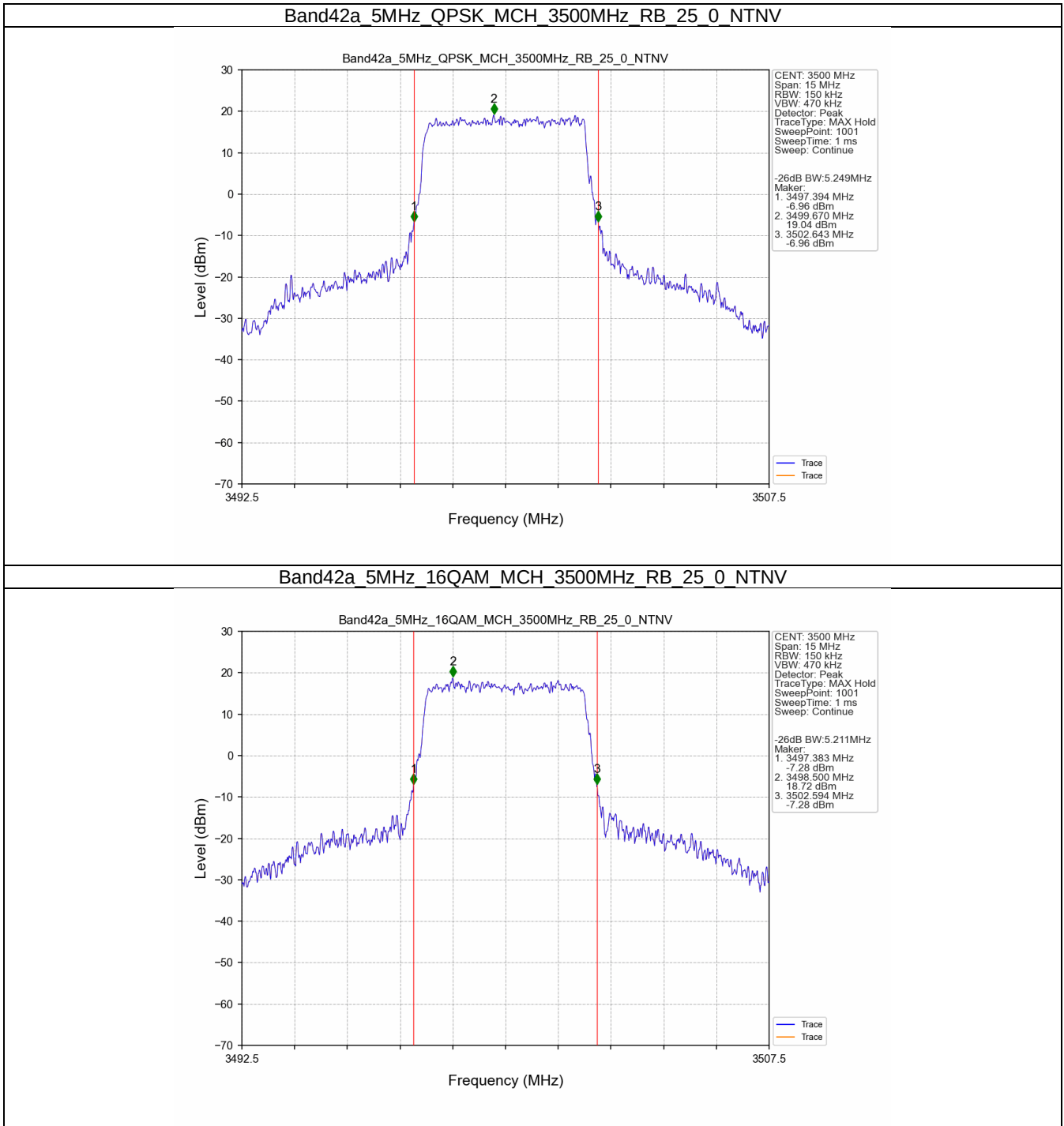
Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTV



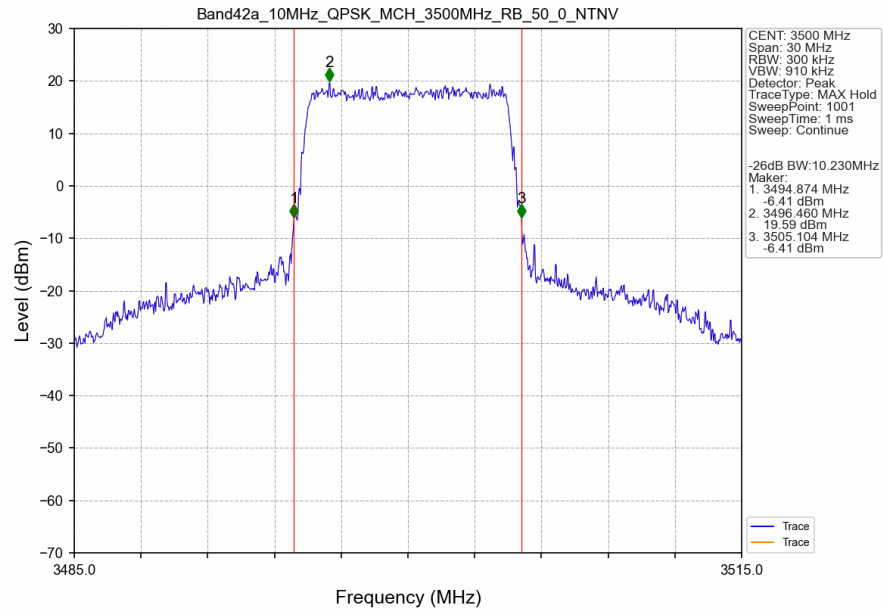
Band42a 20MHz 16QAM MCH 3500MHz RB 100 0 NTV



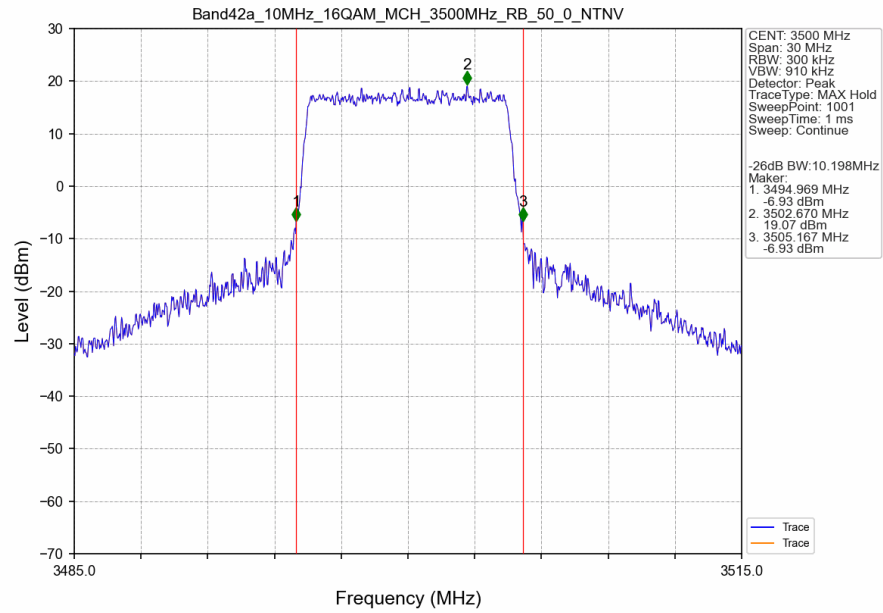
3.2.2 Band42a_XDB



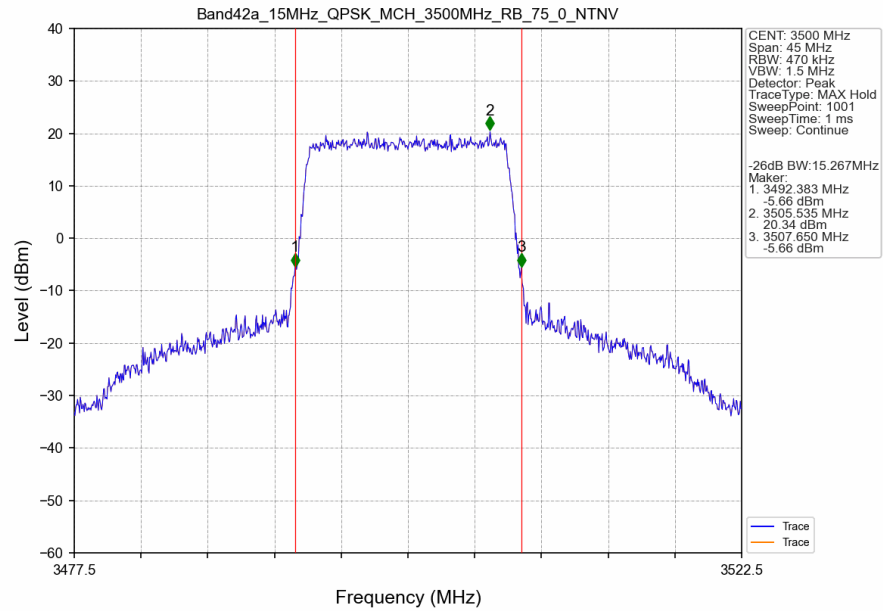
Band42a 10MHz QPSK MCH 3500MHz RB 50 0 NTNV



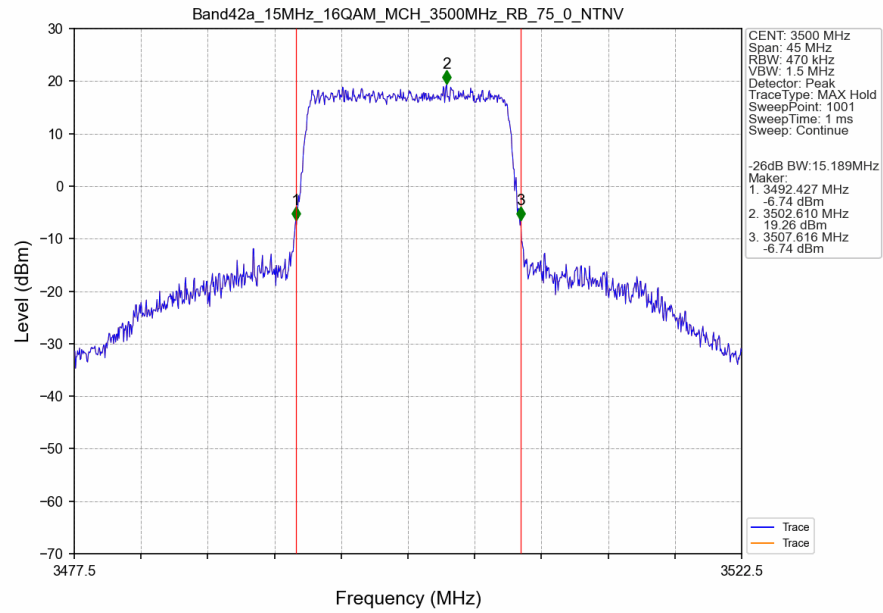
Band42a 10MHz 16QAM MCH 3500MHz RB 50 0 NTNV



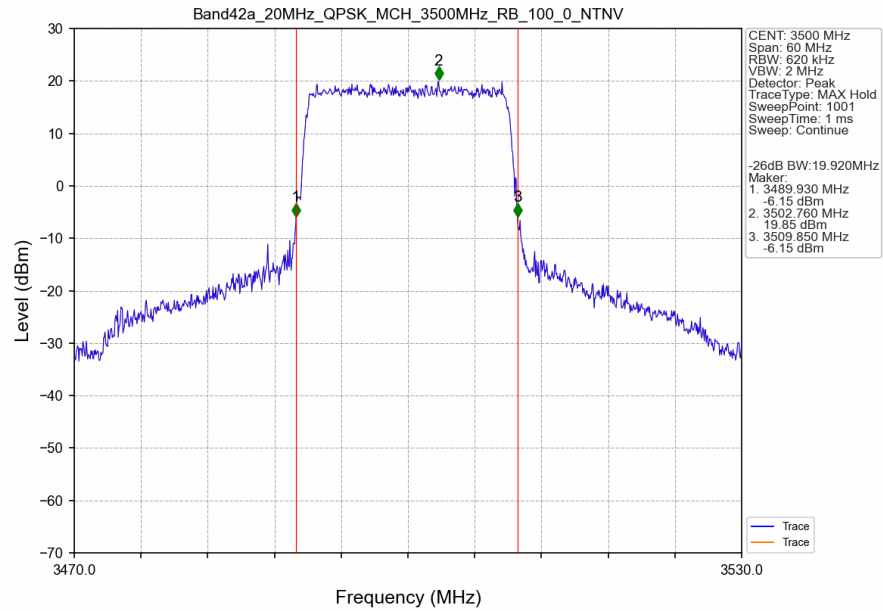
Band42a 15MHz QPSK MCH 3500MHz RB 75 0 NTNV



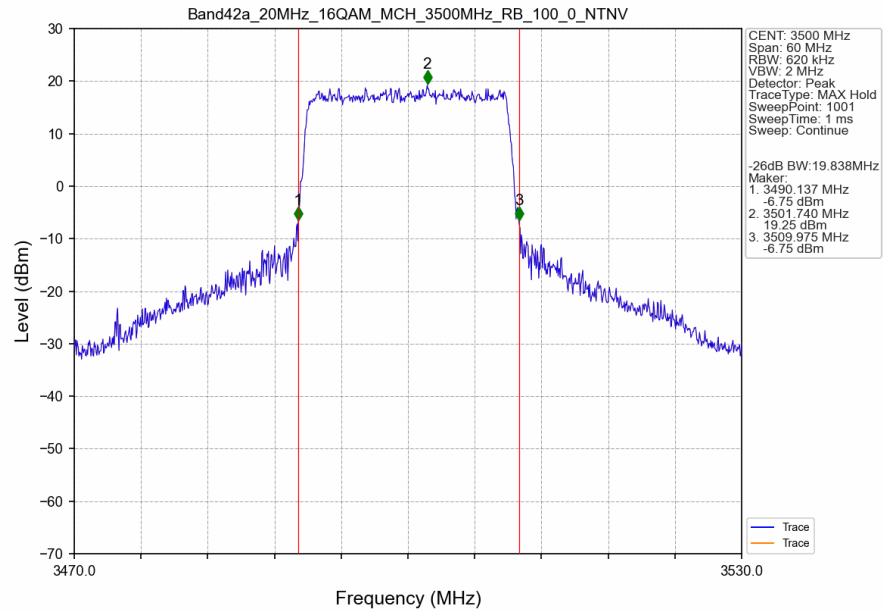
Band42a 15MHz 16QAM MCH 3500MHz RB 75 0 NTNV



Band42a 20MHz QPSK MCH 3500MHz RB 100 0 NTV



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



4. Peak-Average Ratio

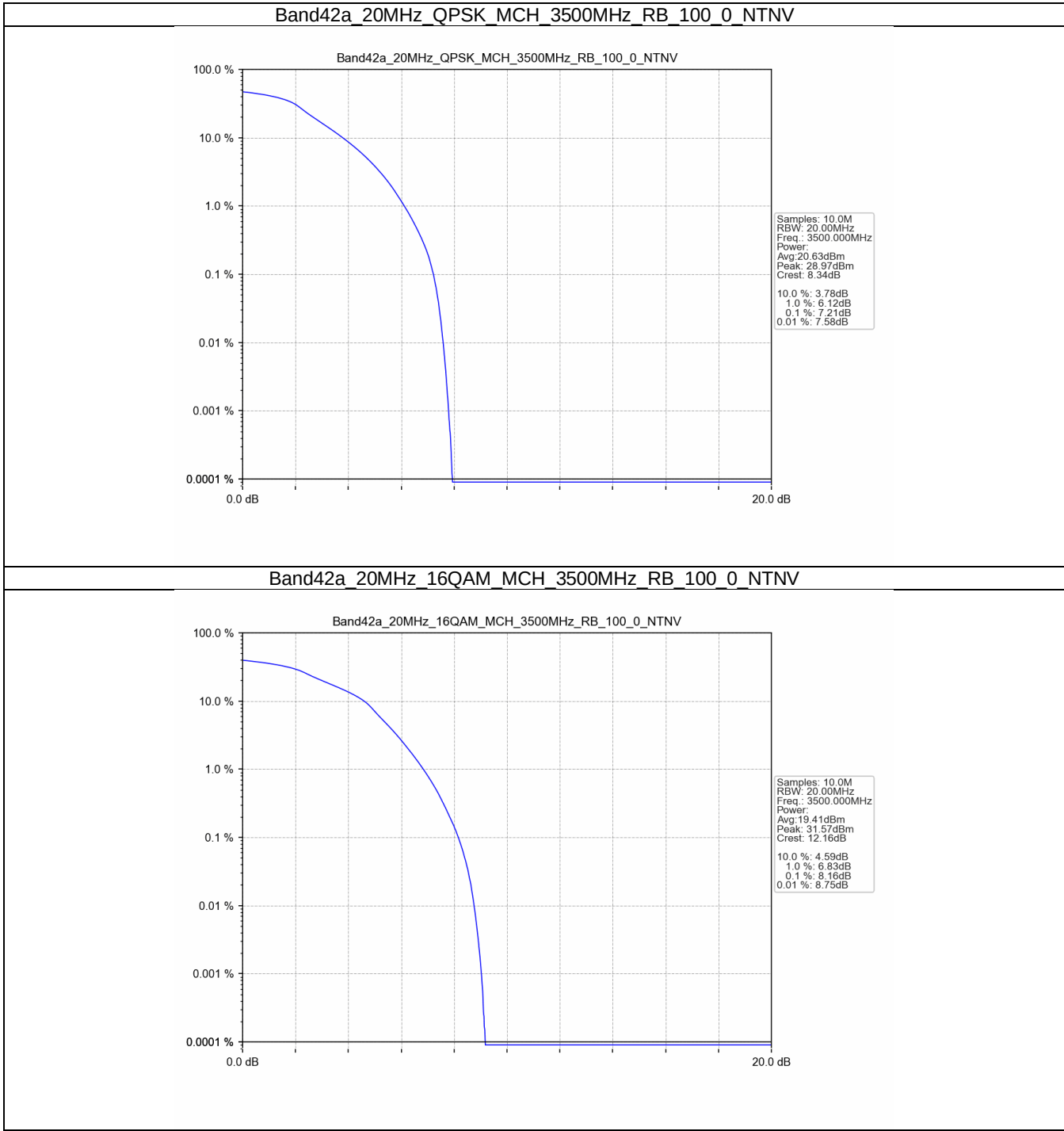
4.1 Test Result

4.1.1 B42a_20MHz

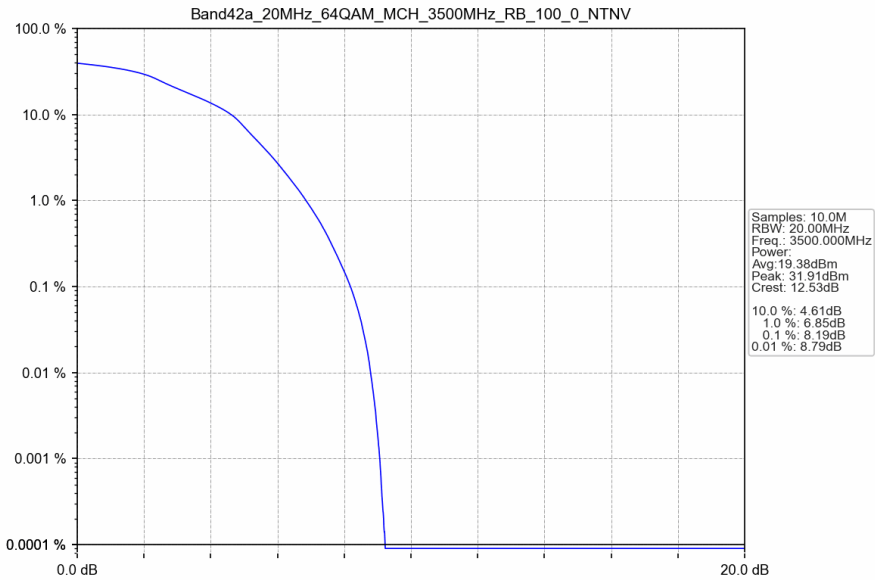
Band: 42a / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3500	100	0	7.21	<=13	Pass
16QAM	3500	100	0	8.16	<=13	Pass
64QAM	3500	100	0	8.19	<=13	Pass
256QAM	3500	100	0	8.36	<=13	Pass

4.2 Test Graph

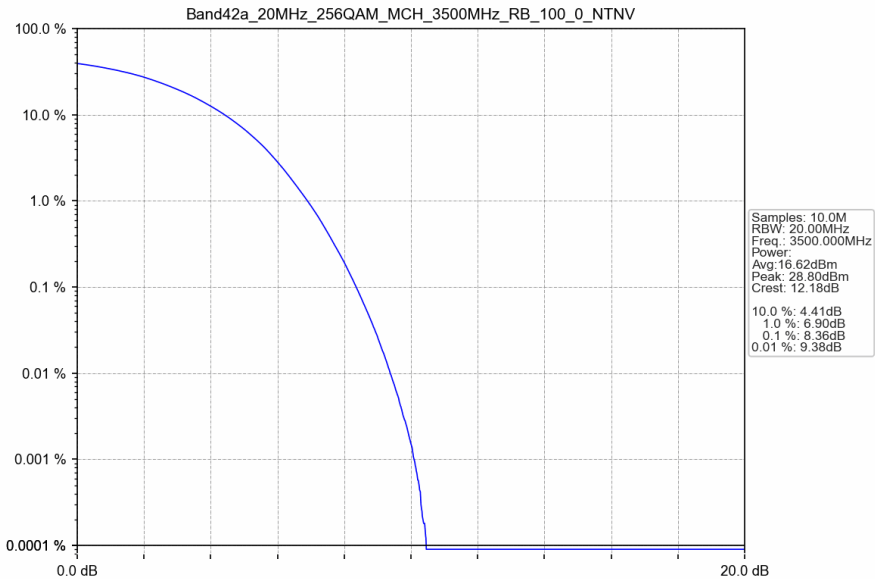
4.2.1 B42a_20MHz



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 / 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 / NTV						
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

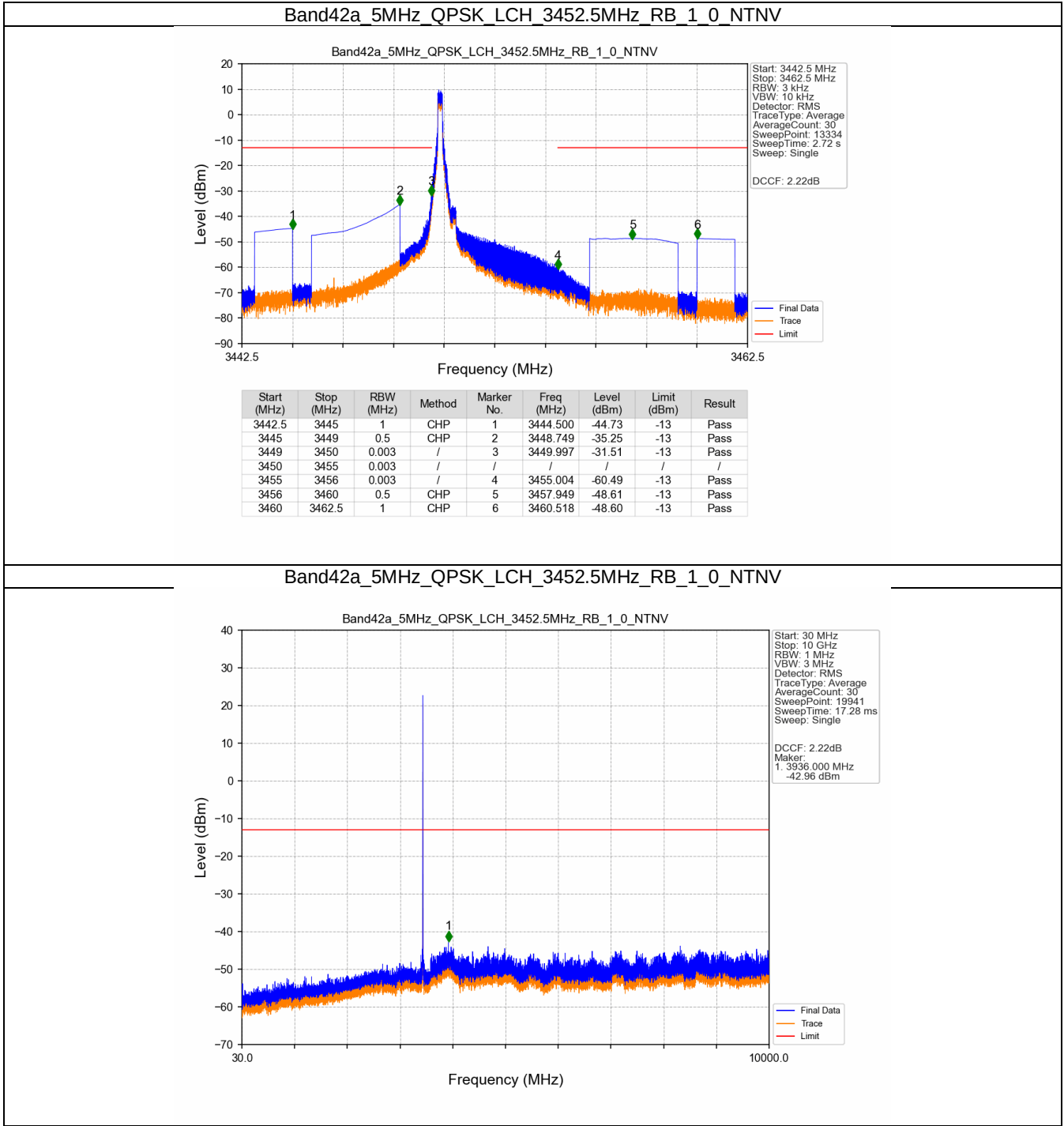
Band: 42a / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3542.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B42a_20MHz

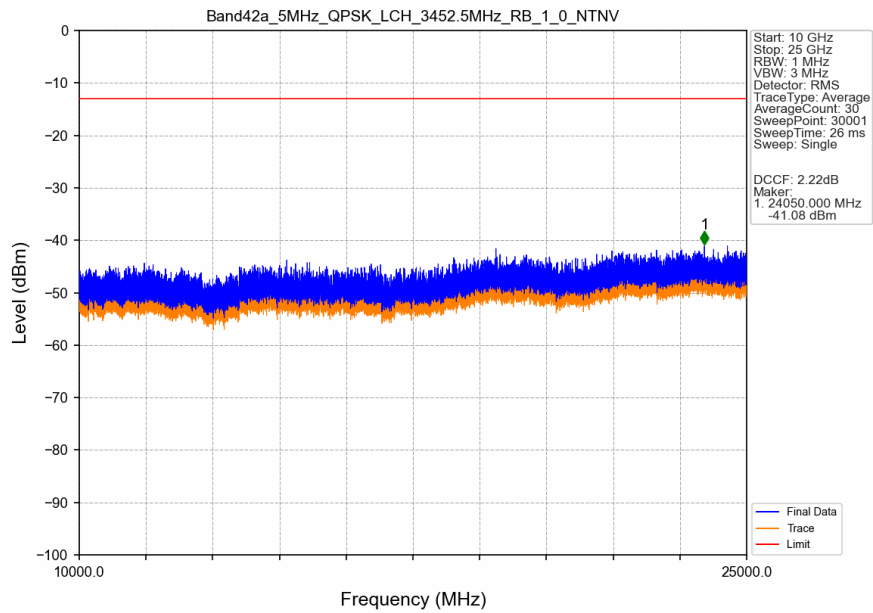
Band: 42a / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
	3540	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

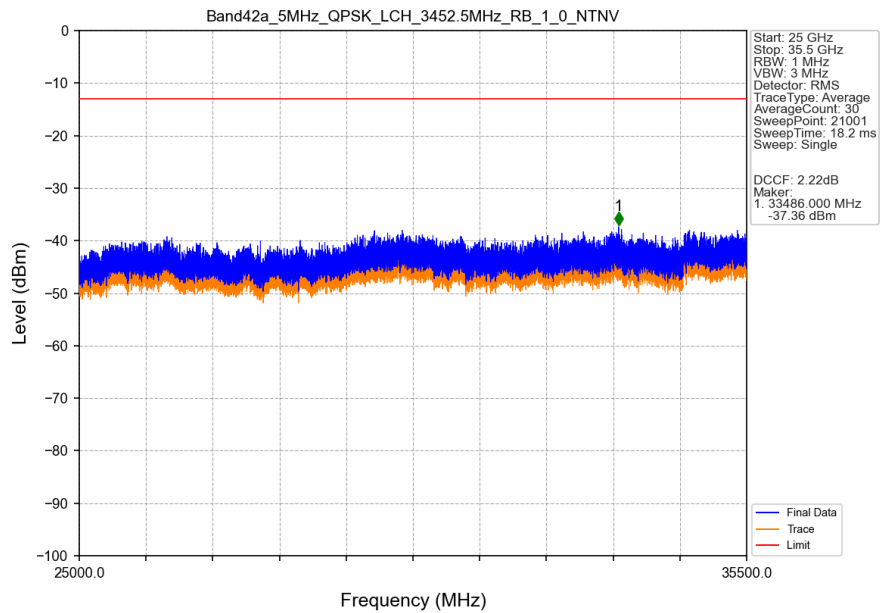
5.2.1 B42a_5MHz



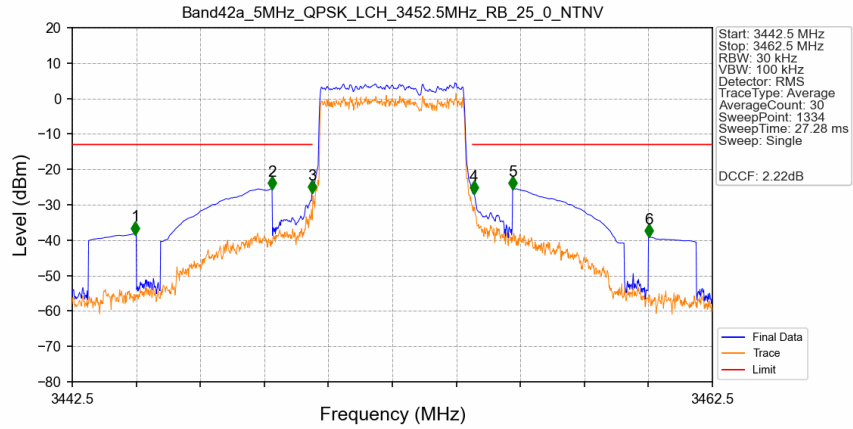
Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV



Band42a_5MHz_QPSK_LCH_3452.5MHz_RB_1_0_NTNV

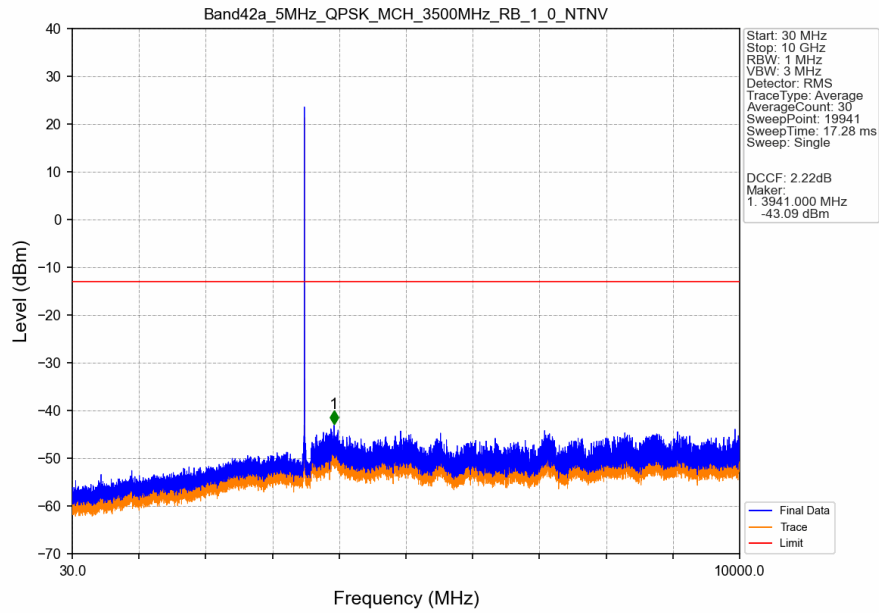


Band42a 5MHz QPSK LCH 3452.5MHz RB 25 0 NTN

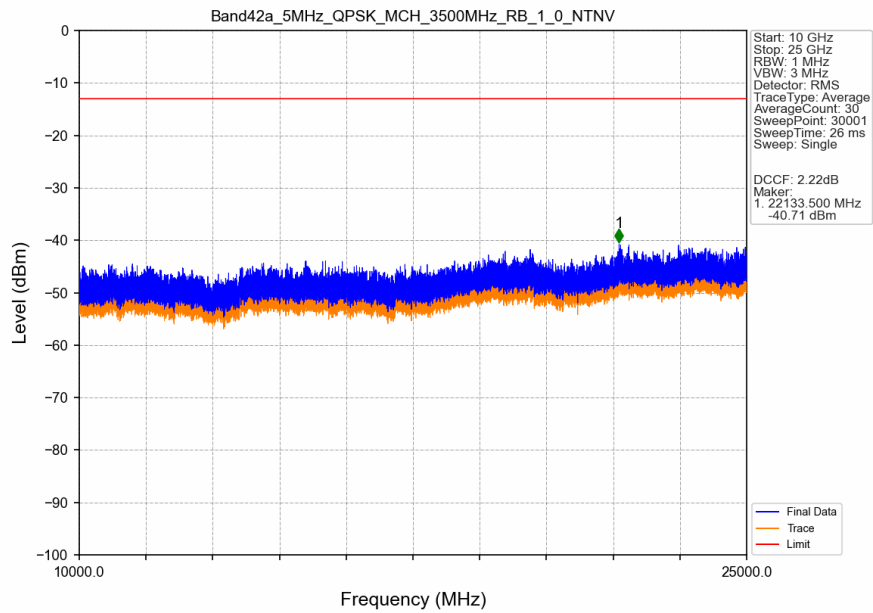


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3442.5	3445	1	CHP	1	3444.465	-38.14	-13	Pass
3445	3449	0.5	CHP	2	3448.742	-25.36	-13	Pass
3449	3450	0.052	CHP	3	3449.987	-26.49	-13	Pass
3450	3455	0.052	CHP	/	/	/	/	/
3455	3456	0.052	CHP	4	3455.043	-26.73	-13	Pass
3456	3460	0.5	CHP	5	3456.258	-25.41	-13	Pass
3460	3462.5	1	CHP	6	3460.505	-38.95	-13	Pass

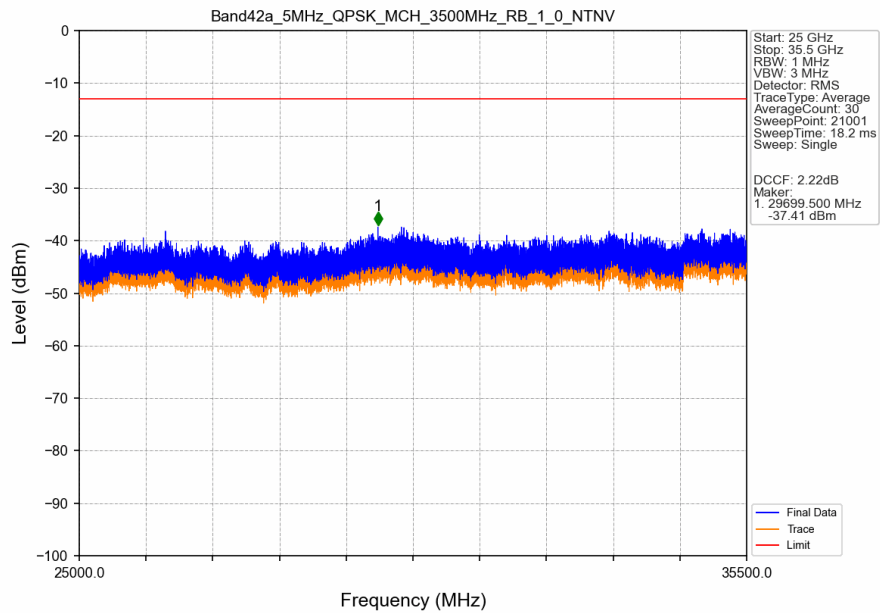
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTN



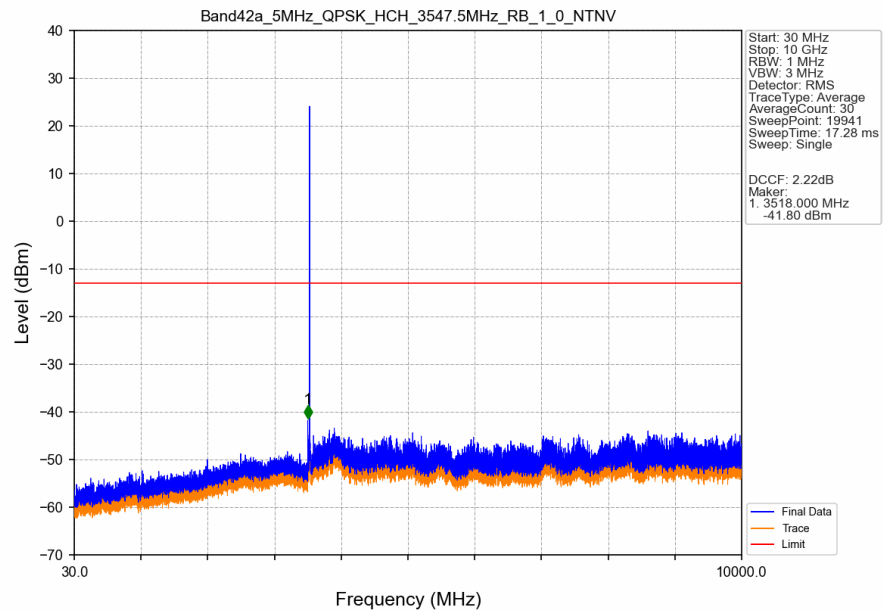
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



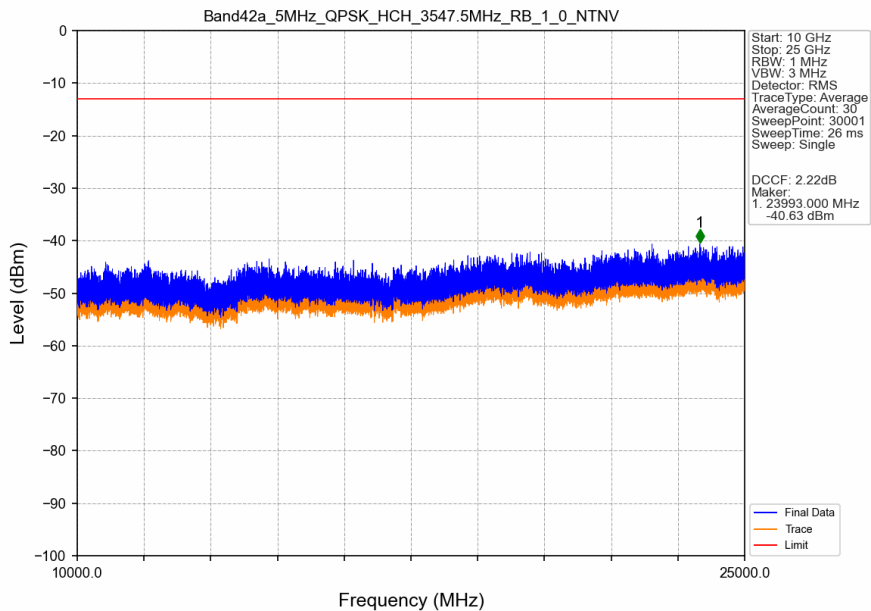
Band42a 5MHz QPSK MCH 3500MHz RB 1 0 NTNV



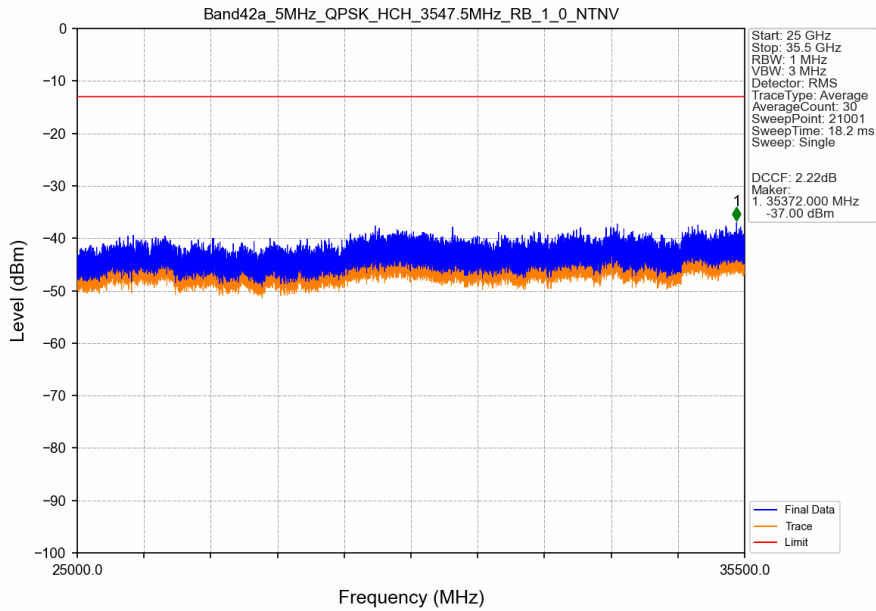
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTV



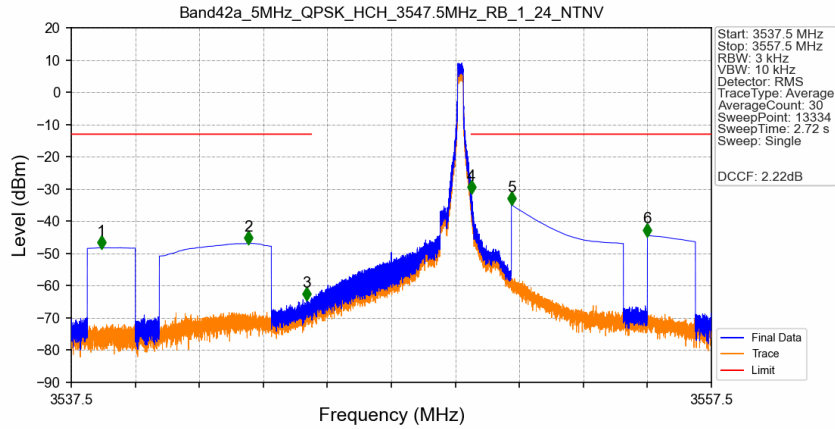
Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTV



Band42a 5MHz QPSK HCH 3547.5MHz RB 1 0 NTV

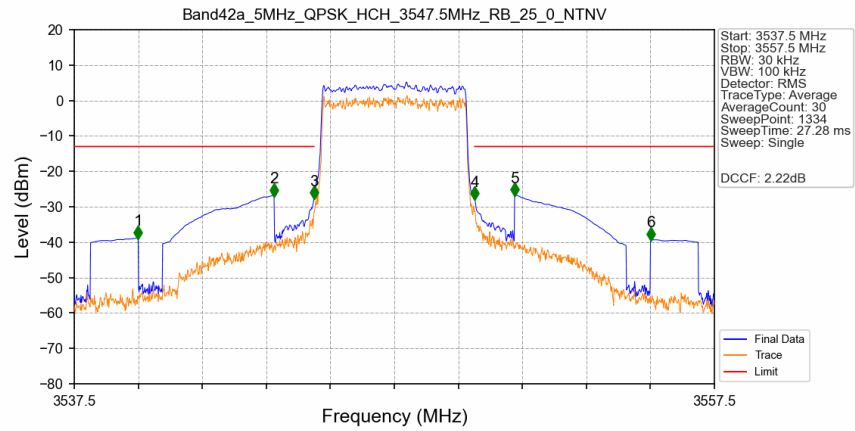


Band42a 5MHz QPSK HCH 3547.5MHz RB 1 24 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3538.444	-48.23	-13	Pass
3540	3544	0.5	CHP	2	3543.034	-46.81	-13	Pass
3544	3545	0.003	/	3	3544.858	-64.27	-13	Pass
3545	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.001	-31.14	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-34.65	-13	Pass
3555	3557.5	1	CHP	6	3555.502	-44.44	-13	Pass

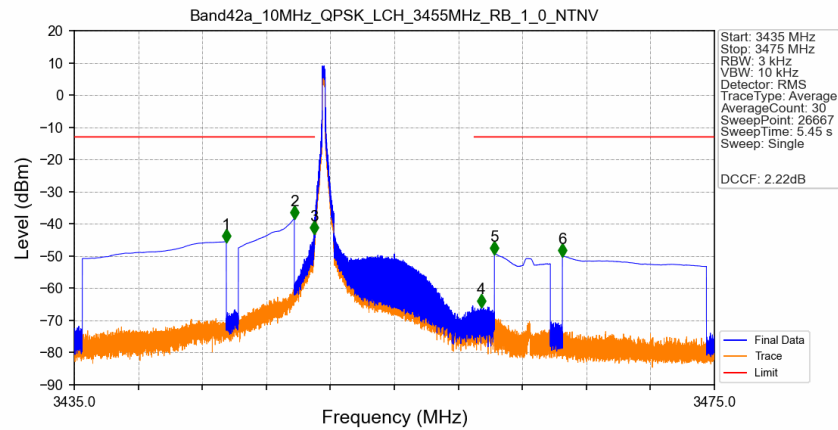
Band42a 5MHz QPSK HCH 3547.5MHz RB 25 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3537.5	3540	1	CHP	1	3539.495	-38.75	-13	Pass
3540	3544	0.5	CHP	2	3543.742	-26.83	-13	Pass
3544	3545	0.052	CHP	3	3544.987	-27.54	-13	Pass
3545	3550	0.052	CHP	/	/	/	/	/
3550	3551	0.052	CHP	4	3550.013	-27.72	-13	Pass
3551	3555	0.5	CHP	5	3551.258	-26.63	-13	Pass
3555	3557.5	1	CHP	6	3555.505	-39.20	-13	Pass

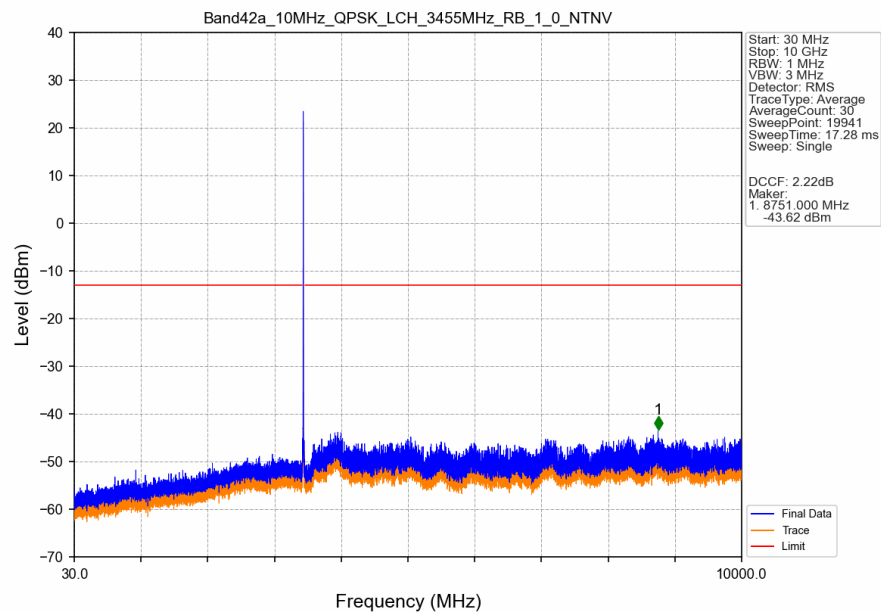
5.2.2 B42a_10MHz

Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

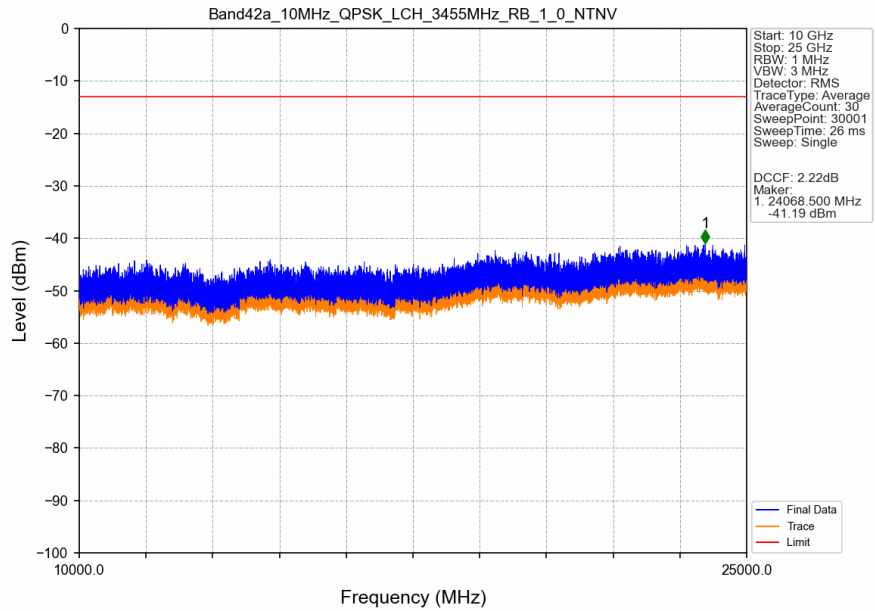


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3444.495	-45.46	-13	Pass
3445	3449	0.5	CHP	2	3448.748	-38.26	-13	Pass
3449	3450	0.003	/	3	3449.966	-42.83	-13	Pass
3450	3460	0.003	/	/	/	/	/	/
3460	3461	0.003	/	4	3460.420	-65.57	-13	Pass
3461	3465	0.5	CHP	5	3461.251	-49.27	-13	Pass
3465	3475	1	CHP	6	3465.500	-50.00	-13	Pass

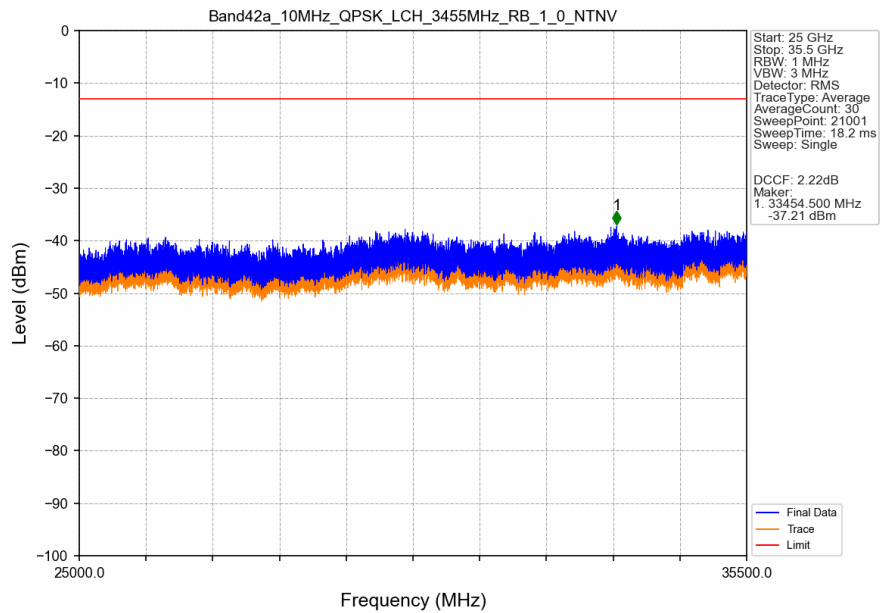
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



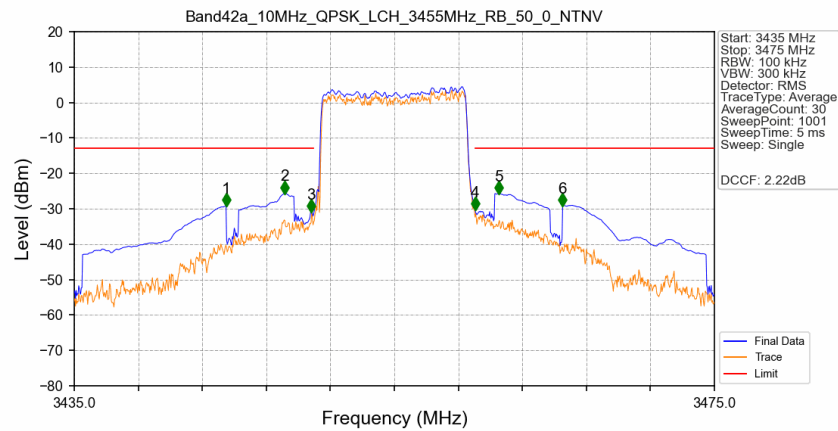
Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_LCH_3455MHz_RB_1_0_NTNV

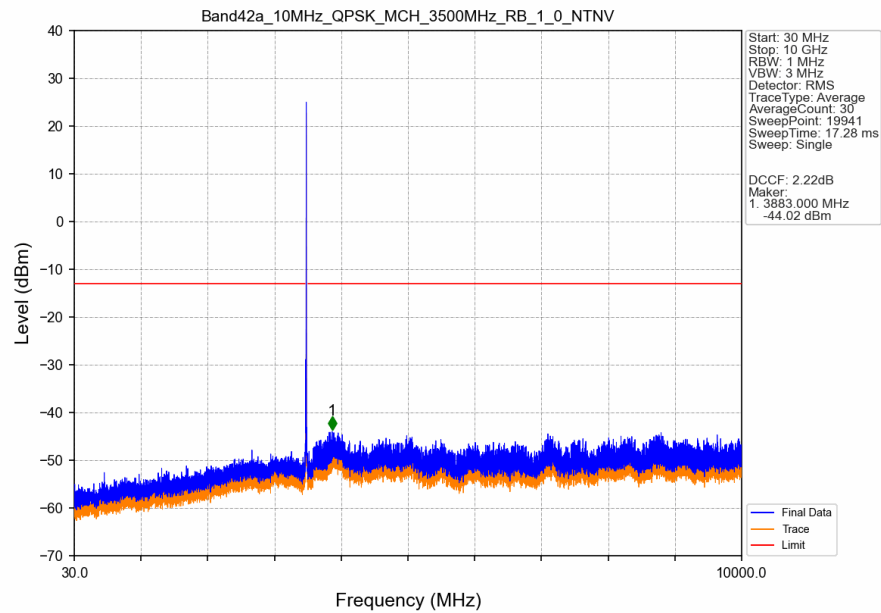


Band42a_10MHz_QPSK_LCH_3455MHz_RB_50_0_NTNV

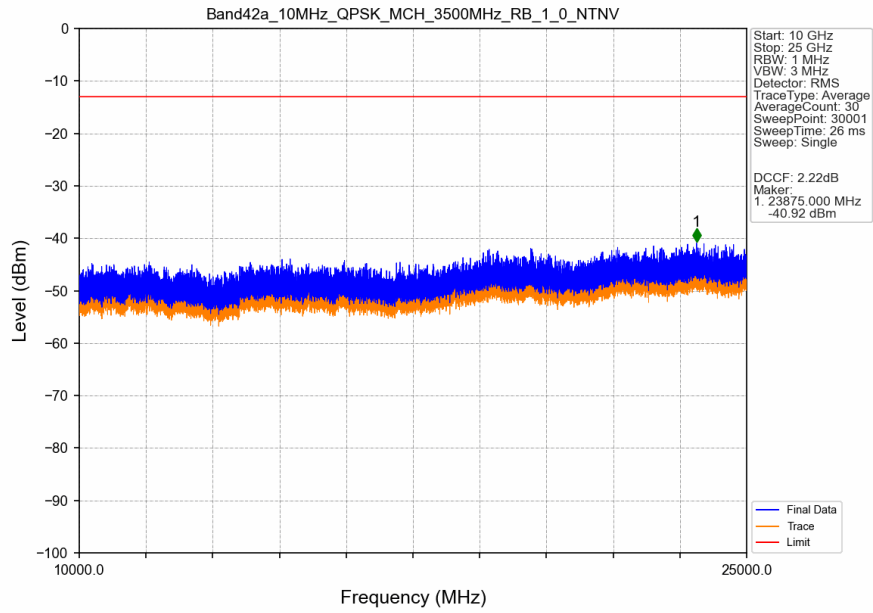


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3435	3445	1	CHP	1	3444.480	-28.99	-13	Pass
3445	3449	0.5	CHP	2	3448.160	-25.50	-13	Pass
3449	3450	0.102	CHP	3	3449.800	-30.78	-13	Pass
3450	3460	0.102	CHP	/	/	/	/	/
3460	3461	0.102	CHP	4	3460.040	-30.16	-13	Pass
3461	3465	0.5	CHP	5	3461.520	-25.63	-13	Pass
3465	3475	1	CHP	6	3465.520	-28.98	-13	Pass

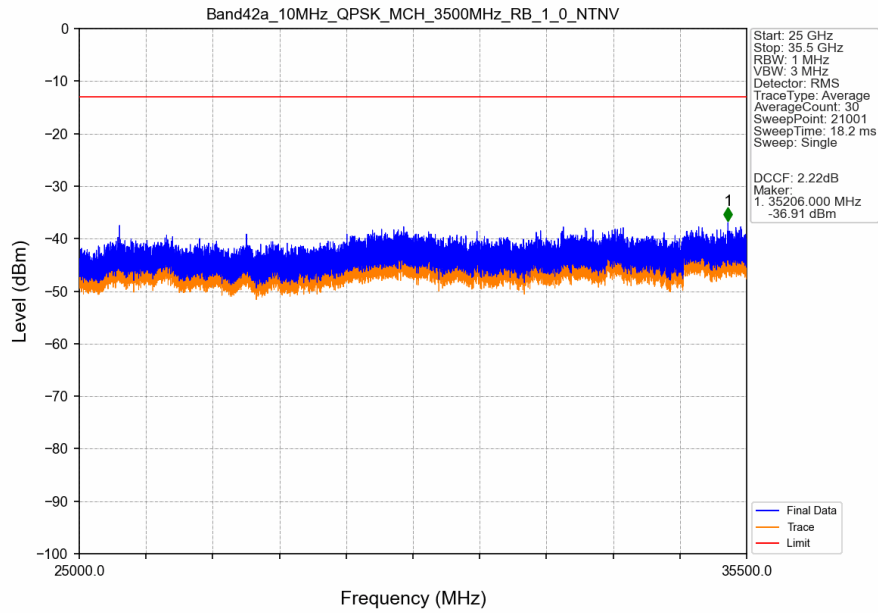
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



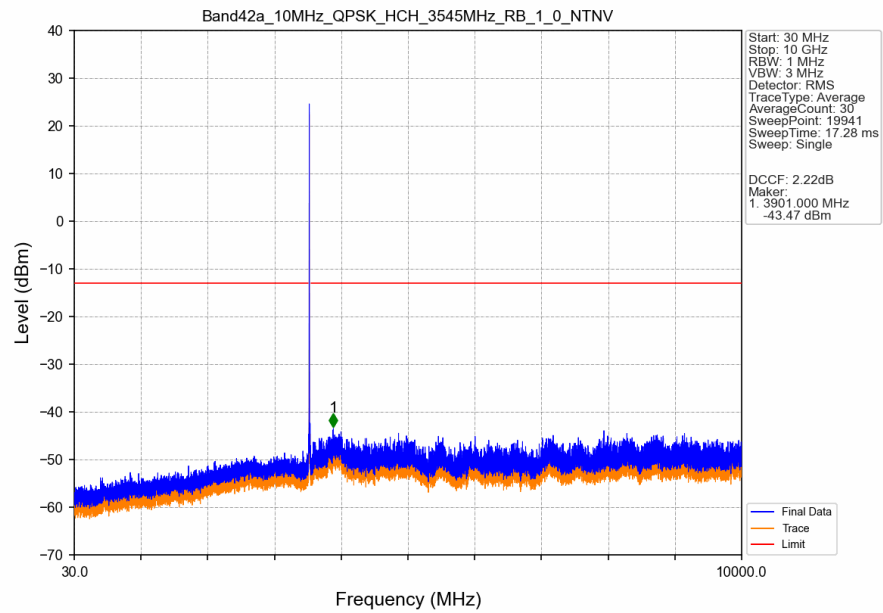
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



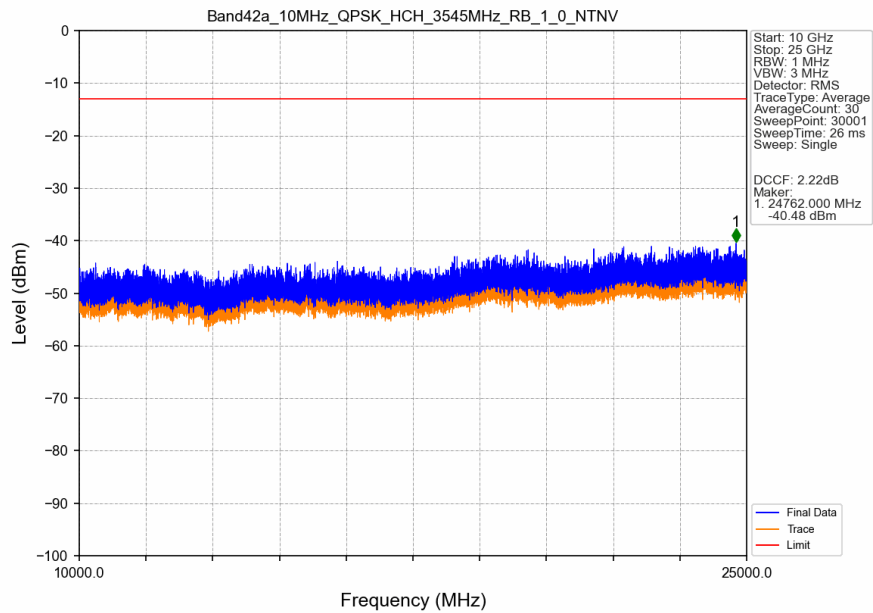
Band42a_10MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



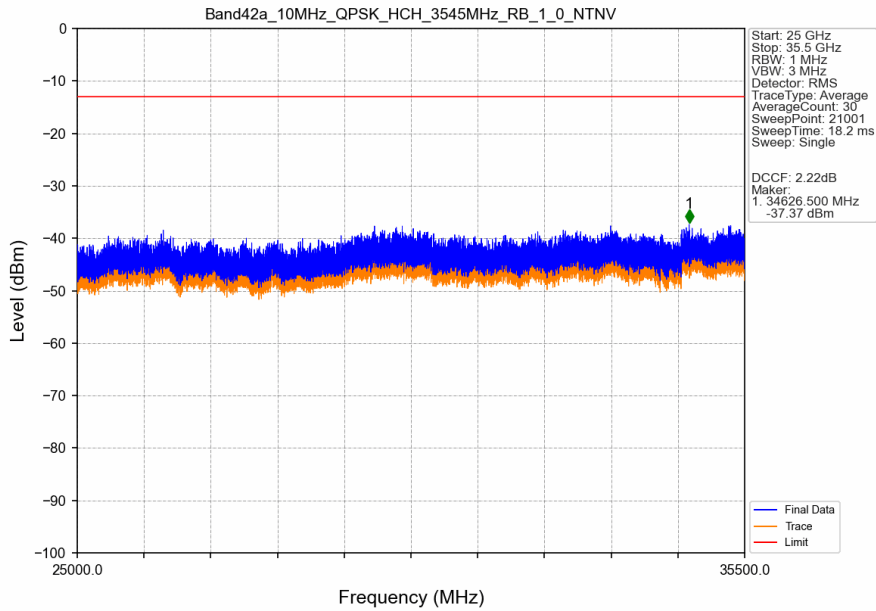
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



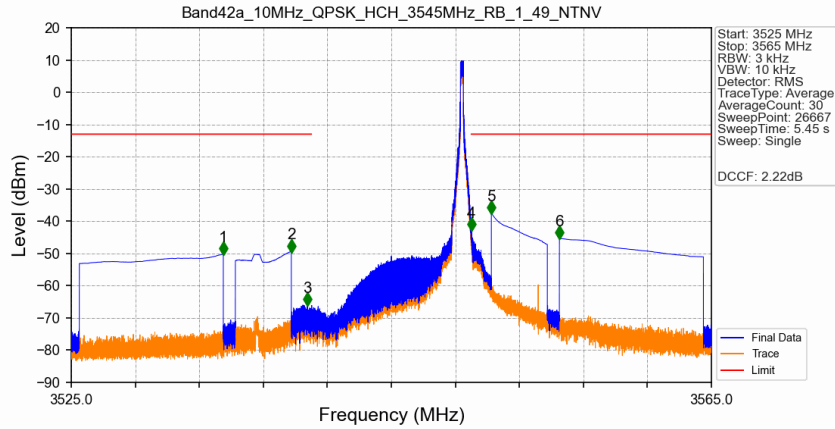
Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV



Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_0_NTNV

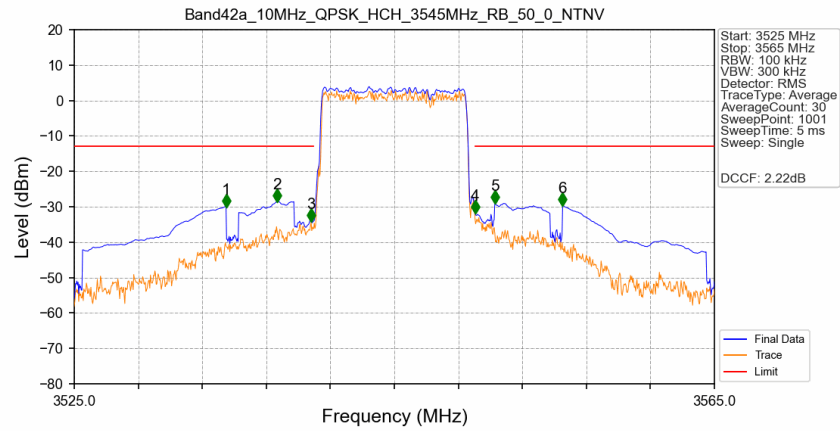


Band42a_10MHz_QPSK_HCH_3545MHz_RB_1_49_NTNV



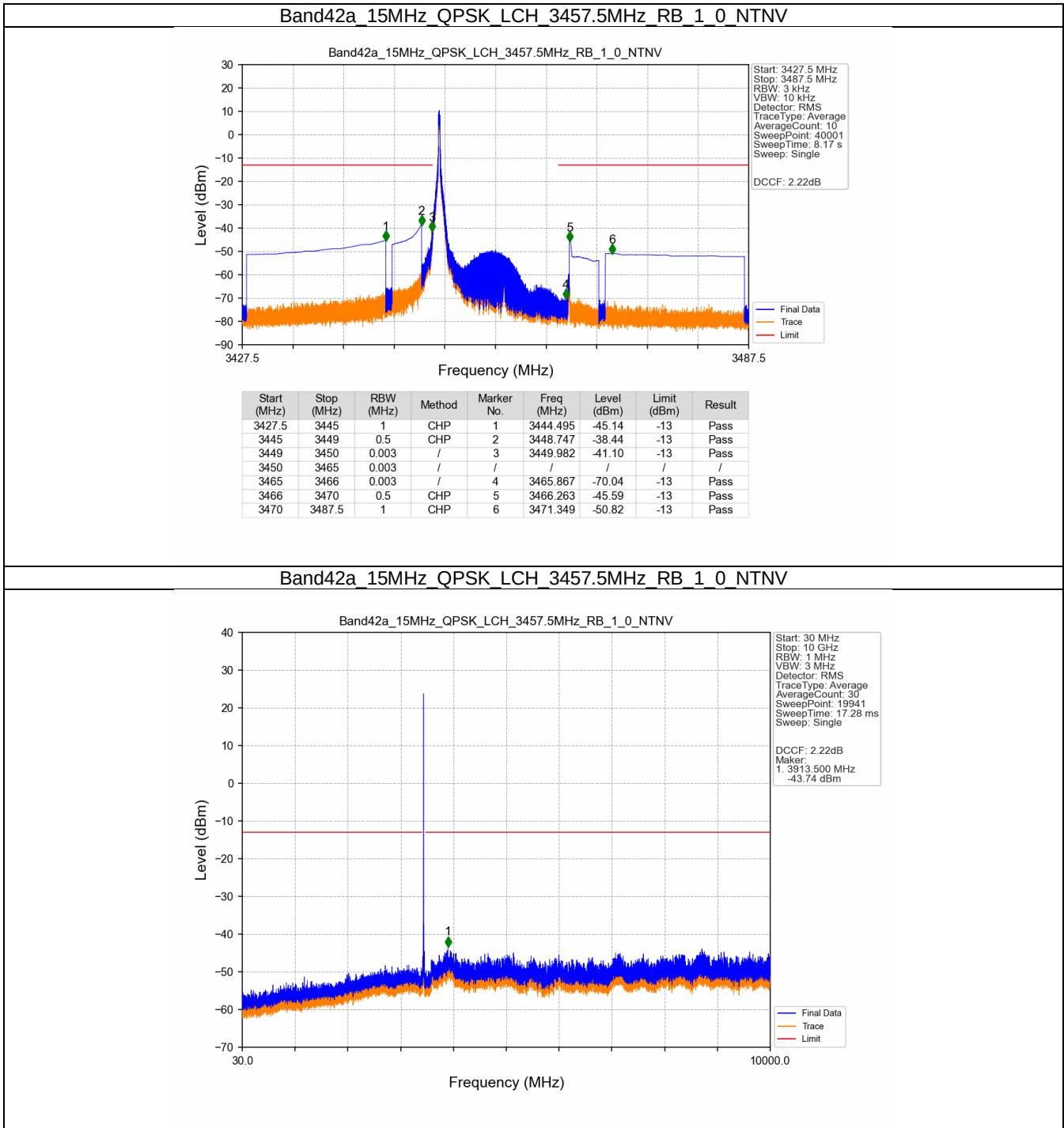
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.498	-50.17	-13	Pass
3535	3539	0.5	CHP	2	3538.745	-49.35	-13	Pass
3539	3540	0.003	/	3	3539.774	-65.92	-13	Pass
3540	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.007	-42.66	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-37.43	-13	Pass
3555	3565	1	CHP	6	3555.506	-45.30	-13	Pass

Band42a 10MHz QPSK HCH 3545MHz RB 50 0 NTN

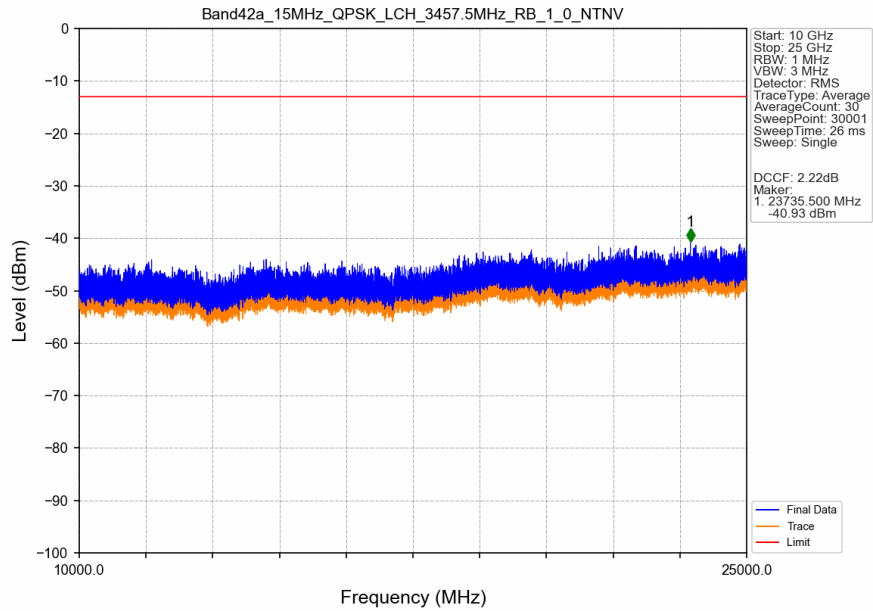


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3525	3535	1	CHP	1	3534.480	-29.84	-13	Pass
3535	3539	0.5	CHP	2	3537.680	-28.48	-13	Pass
3539	3540	0.102	CHP	3	3539.800	-33.91	-13	Pass
3540	3550	0.102	CHP	/	/	/	/	/
3550	3551	0.102	CHP	4	3550.040	-31.62	-13	Pass
3551	3555	0.5	CHP	5	3551.280	-28.82	-13	Pass
3555	3565	1	CHP	6	3555.520	-29.55	-13	Pass

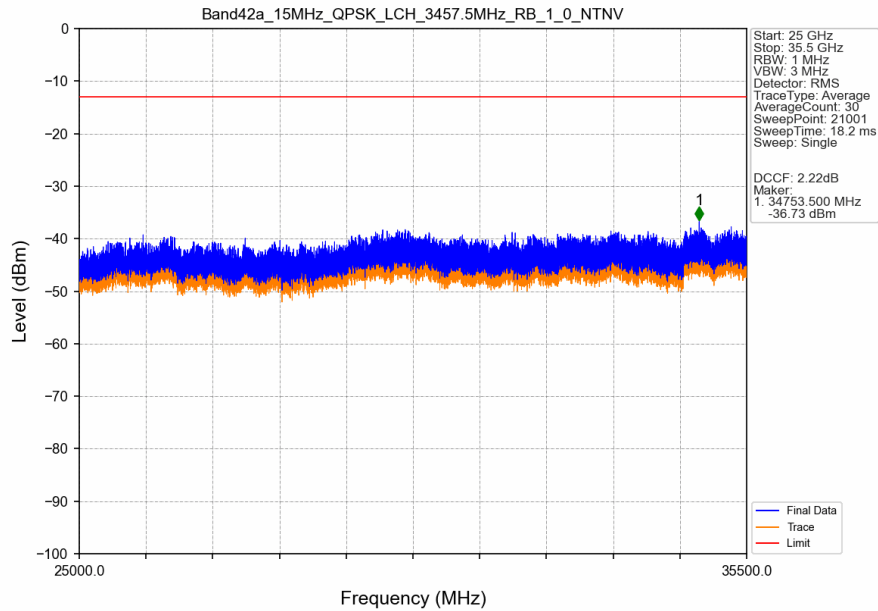
5.2.3 B42a_15MHz



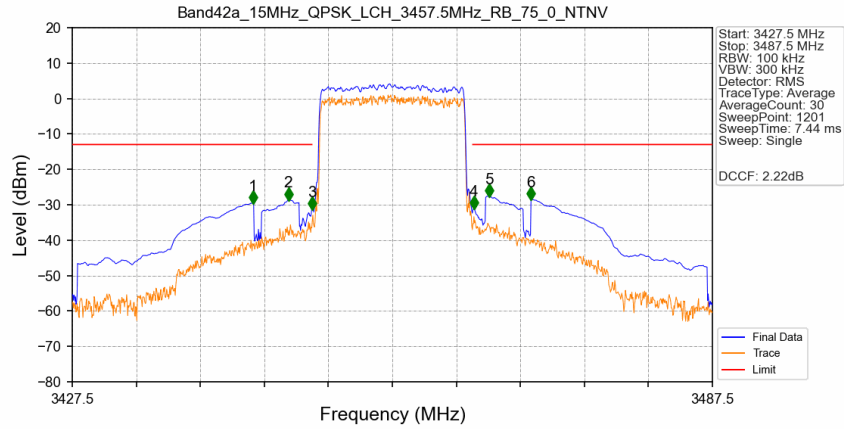
Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_1_0_NTNV

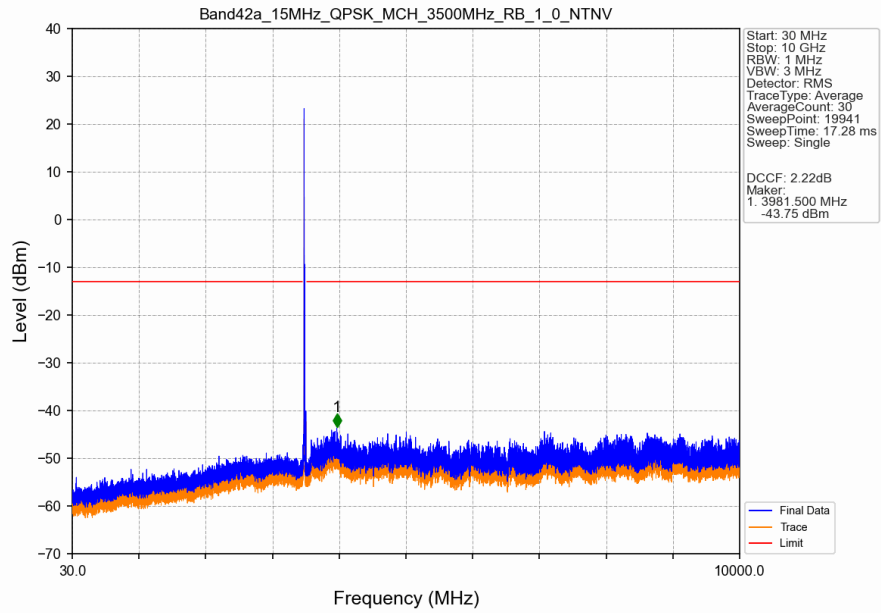


Band42a_15MHz_QPSK_LCH_3457.5MHz_RB_75_0_NTNV

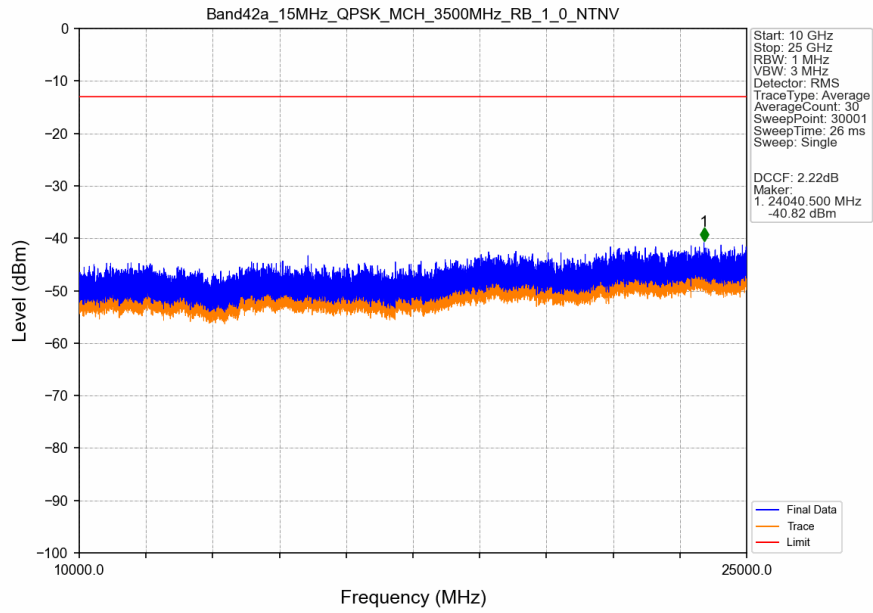


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3427.5	3445	1	CHP	1	3444.450	-29.48	-13	Pass
3445	3449	0.5	CHP	2	3447.750	-28.53	-13	Pass
3449	3450	0.153	CHP	3	3449.950	-31.19	-13	Pass
3450	3465	0.153	CHP	/	/	/	/	/
3465	3466	0.153	CHP	4	3465.150	-30.93	-13	Pass
3466	3470	0.5	CHP	5	3466.600	-27.51	-13	Pass
3470	3487.5	1	CHP	6	3470.500	-28.45	-13	Pass

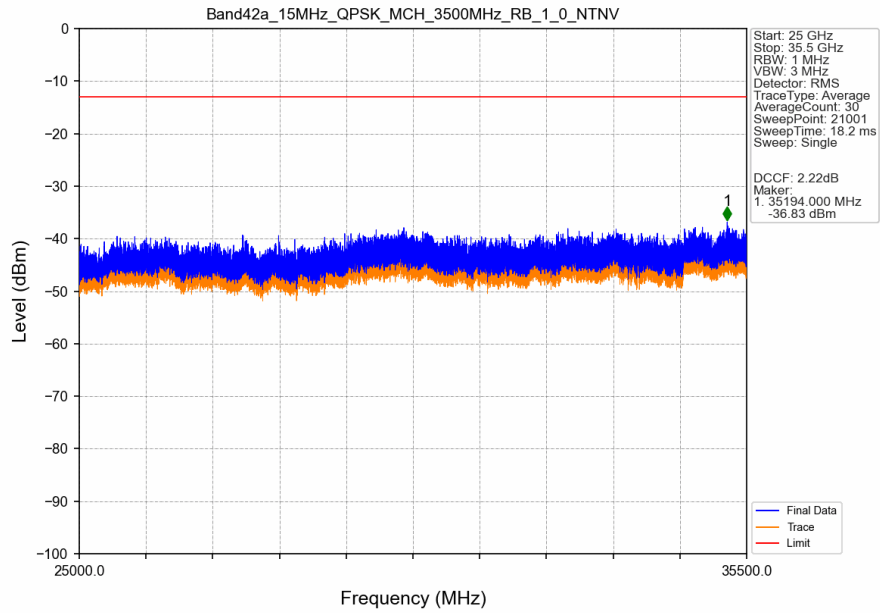
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



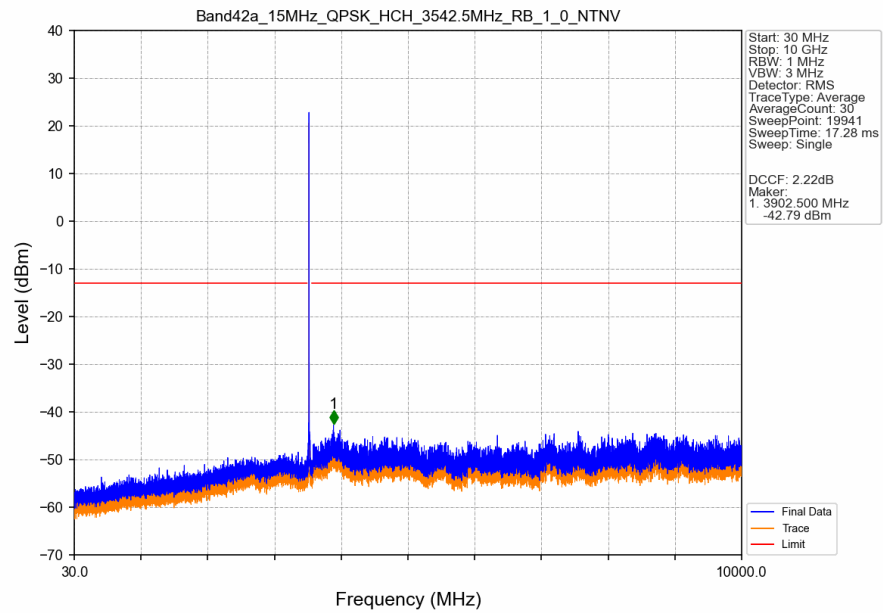
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



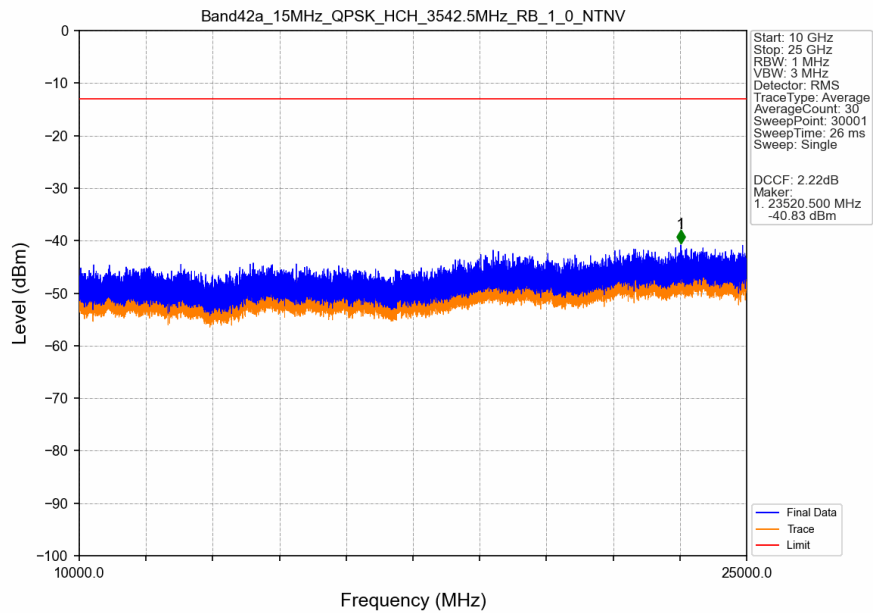
Band42a_15MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



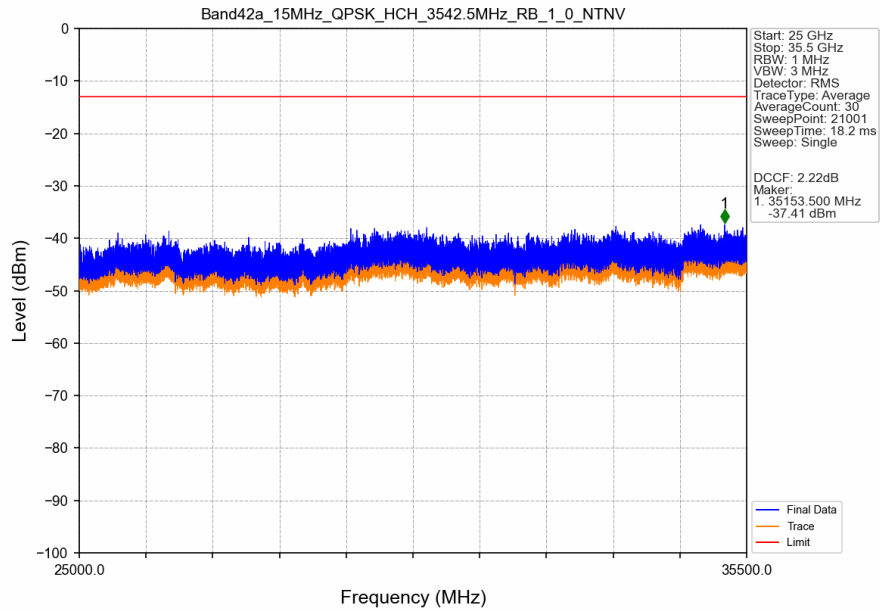
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



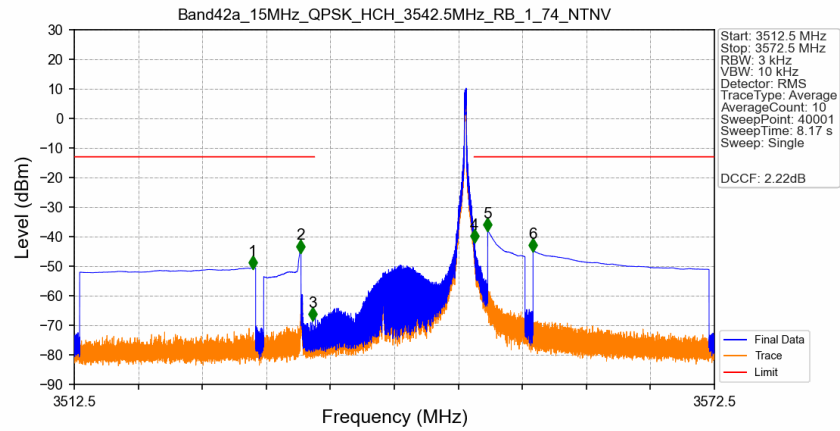
Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV



Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_0_NTNV

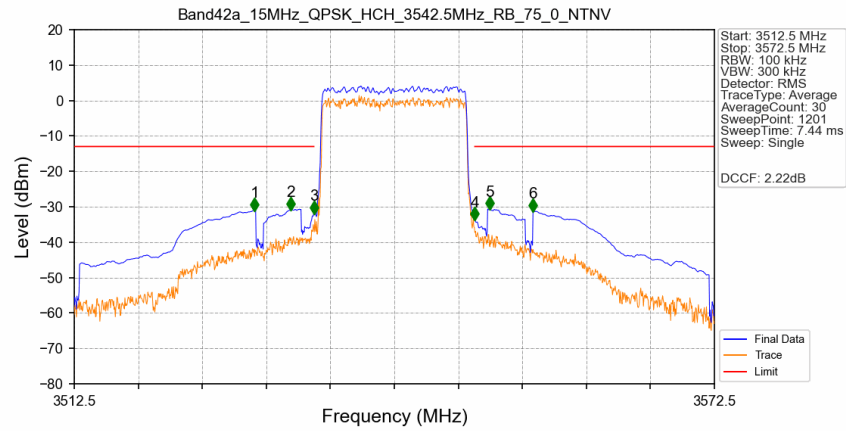


Band42a_15MHz_QPSK_HCH_3542.5MHz_RB_1_74_NTNV



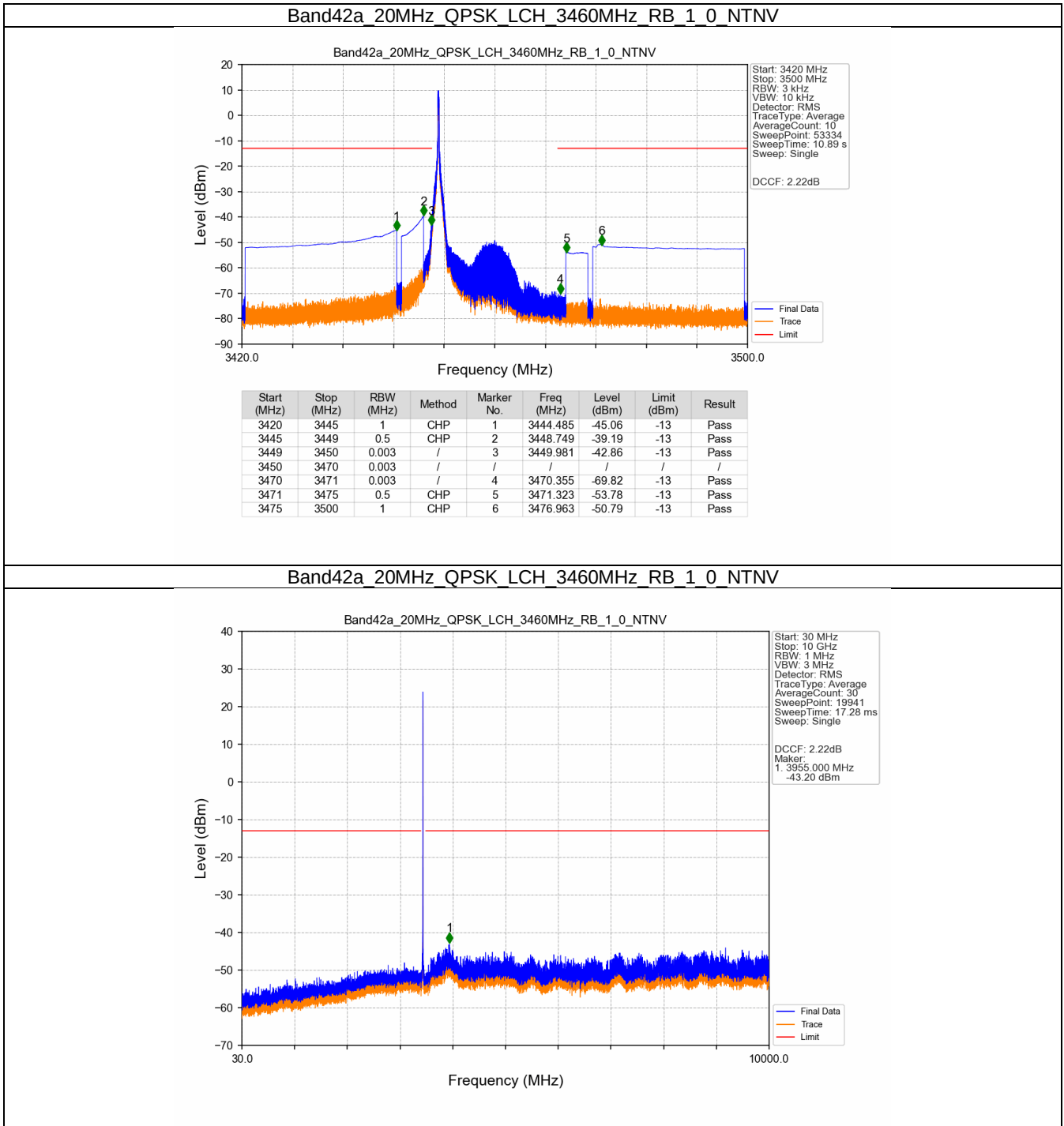
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3529.233	-50.57	-13	Pass
3530	3534	0.5	CHP	2	3533.697	-45.15	-13	Pass
3534	3535	0.003	/	3	3534.807	-68.04	-13	Pass
3535	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.009	-41.75	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-37.88	-13	Pass
3555	3572.5	1	CHP	6	3555.501	-44.81	-13	Pass

Band42a 15MHz QPSK HCH 3542.5MHz RB 75 0 NTN

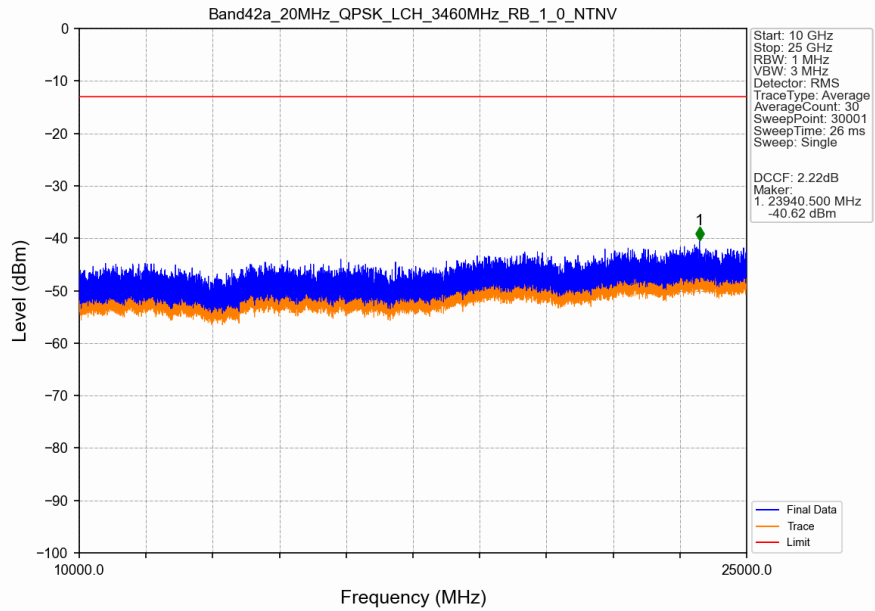


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3512.5	3530	1	CHP	1	3529.400	-30.85	-13	Pass
3530	3534	0.5	CHP	2	3532.800	-30.68	-13	Pass
3534	3535	0.153	CHP	3	3534.950	-31.73	-13	Pass
3535	3550	0.153	CHP	/	/	/	/	/
3550	3551	0.153	CHP	4	3550.050	-33.60	-13	Pass
3551	3555	0.5	CHP	5	3551.450	-30.55	-13	Pass
3555	3572.5	1	CHP	6	3555.500	-31.10	-13	Pass

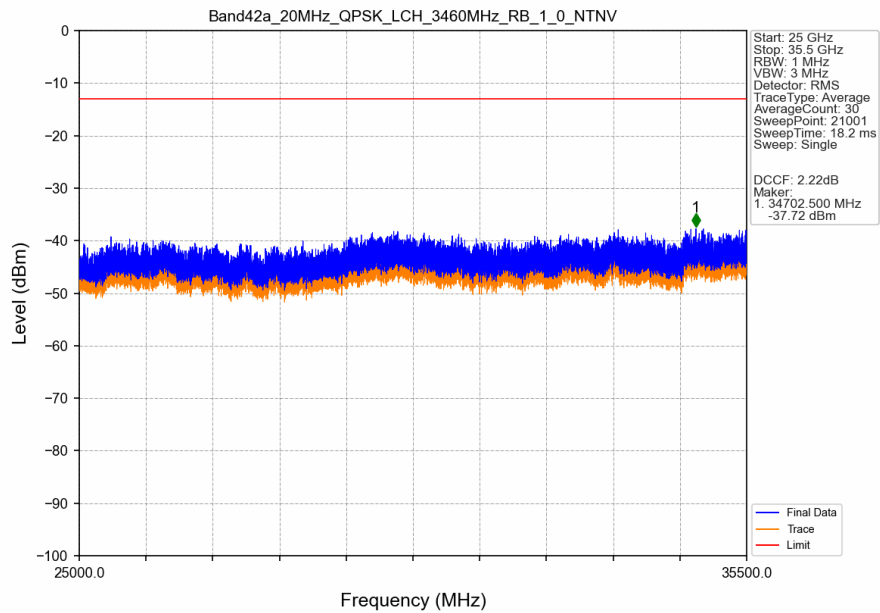
5.2.4 B42a_20MHz



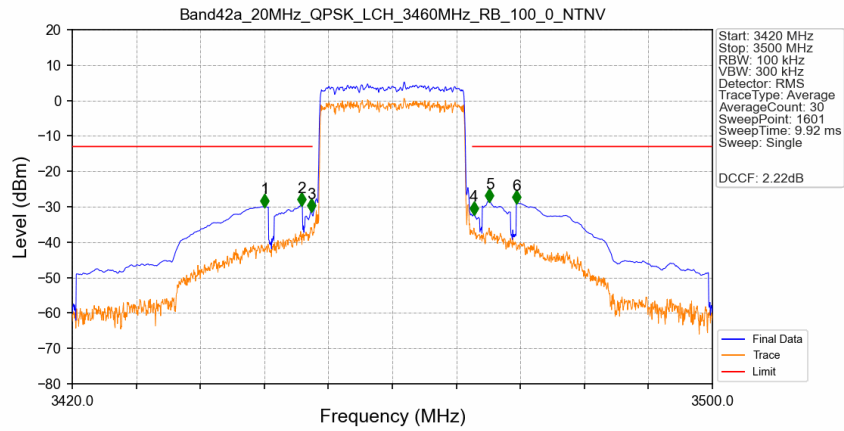
Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_LCH_3460MHz_RB_1_0_NTNV

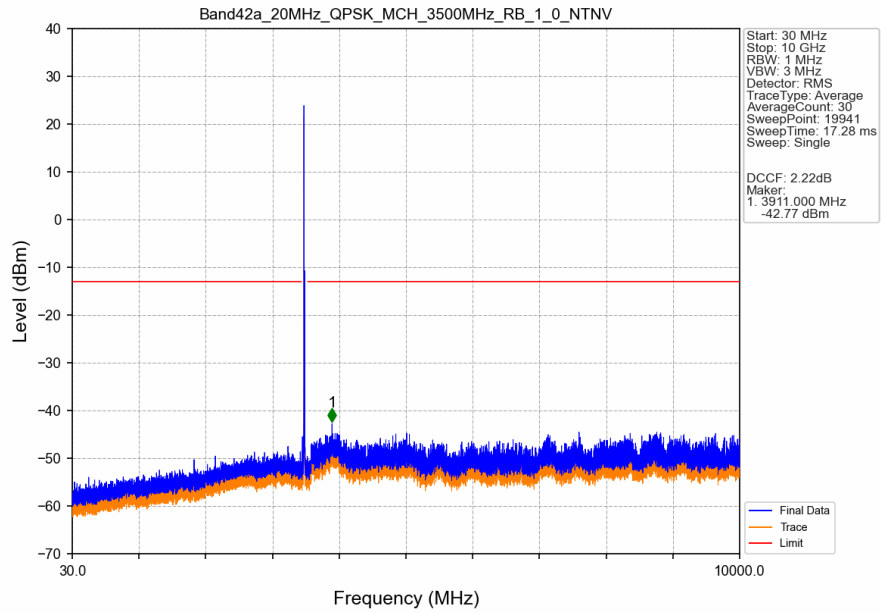


Band42a 20MHz QPSK LCH 3460MHz RB 100 0 NTNV

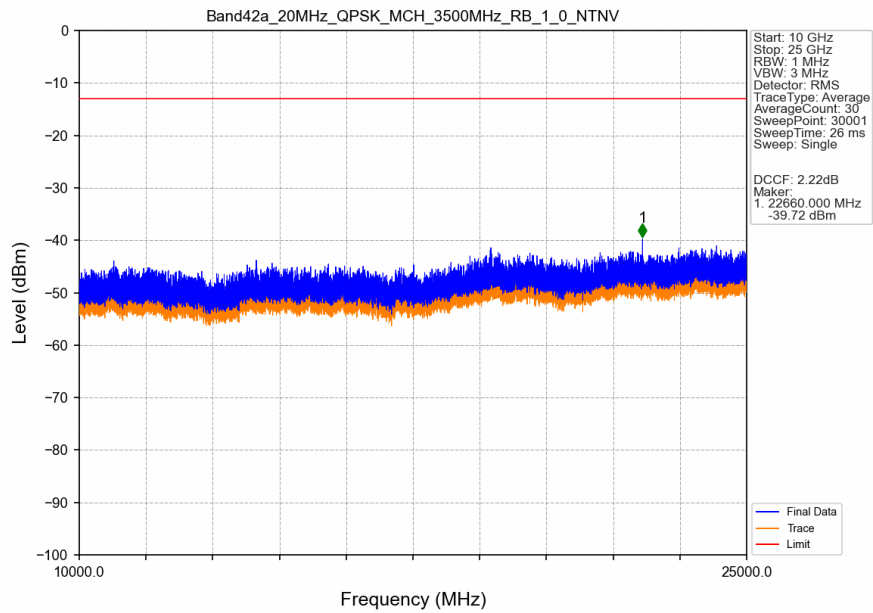


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3420	3445	1	CHP	1	3444.050	-29.82	-13	Pass
3445	3449	0.5	CHP	2	3448.650	-29.49	-13	Pass
3449	3450	0.199	CHP	3	3449.850	-31.19	-13	Pass
3450	3470	0.199	CHP	/	/	/	/	/
3470	3471	0.199	CHP	4	3470.200	-31.92	-13	Pass
3471	3475	0.5	CHP	5	3472.150	-28.45	-13	Pass
3475	3500	1	CHP	6	3475.500	-28.88	-13	Pass

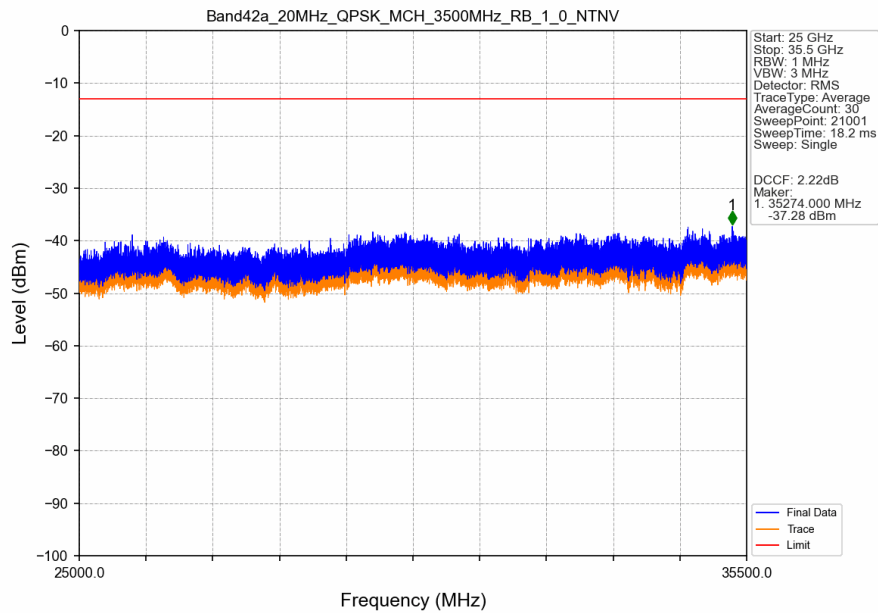
Band42a 20MHz QPSK MCH 3500MHz RB 1 0 NTNV



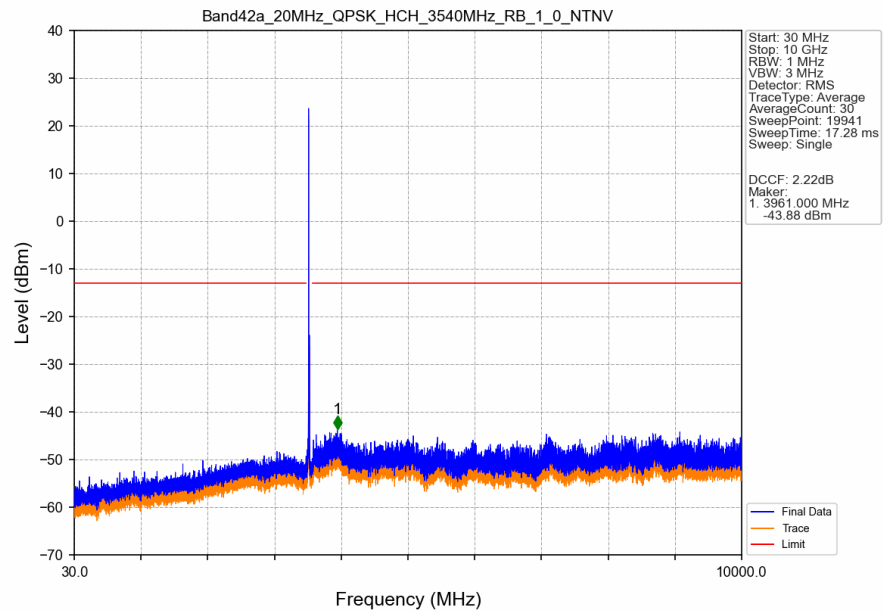
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



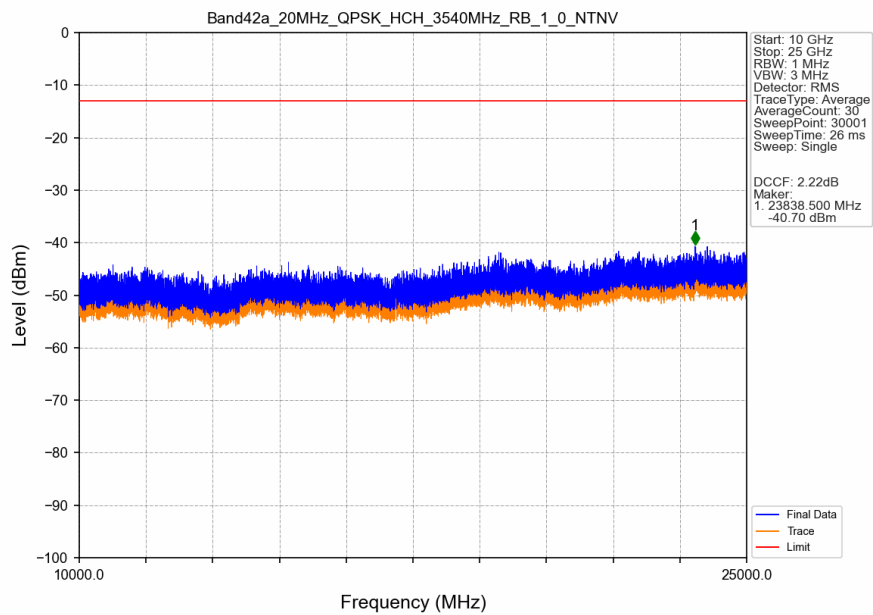
Band42a_20MHz_QPSK_MCH_3500MHz_RB_1_0_NTNV



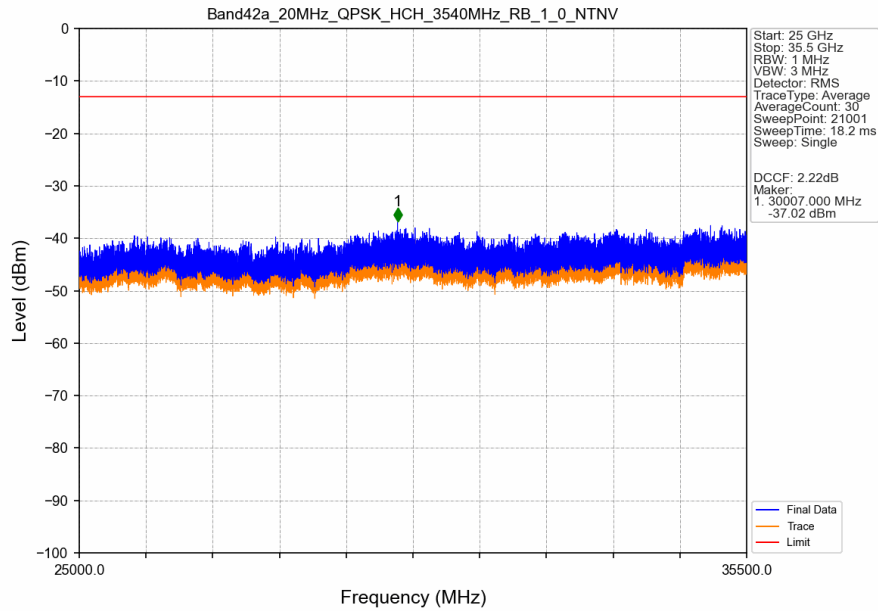
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



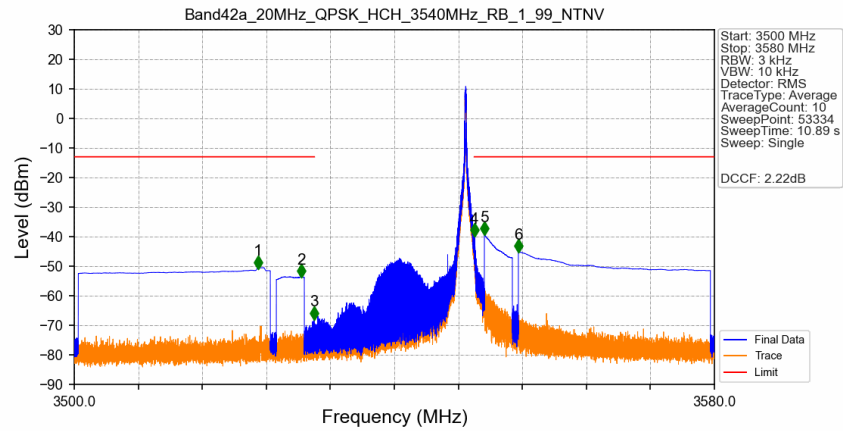
Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV



Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_0_NTNV

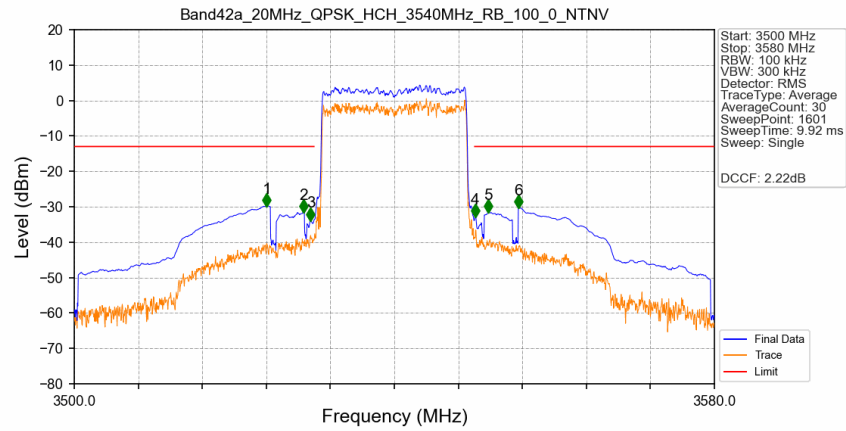


Band42a_20MHz_QPSK_HCH_3540MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3525	1	CHP	1	3522.959	-50.49	-13	Pass
3525	3529	0.5	CHP	2	3528.376	-53.55	-13	Pass
3529	3530	0.003	/	3	3529.970	-67.72	-13	Pass
3530	3550	0.003	/	/	/	/	/	/
3550	3551	0.003	/	4	3550.024	-39.62	-13	Pass
3551	3555	0.5	CHP	5	3551.251	-39.05	-13	Pass
3555	3580	1	CHP	6	3555.500	-45.10	-13	Pass

Band42a 20MHz QPSK HCH 3540MHz RB 100 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3500	3525	1	CHP	1	3524.050	-29.69	-13	Pass
3525	3529	0.5	CHP	2	3528.650	-31.46	-13	Pass
3529	3530	0.199	CHP	3	3529.550	-33.63	-13	Pass
3530	3550	0.199	CHP	/	/	/	/	/
3550	3551	0.199	CHP	4	3550.100	-32.64	-13	Pass
3551	3555	0.5	CHP	5	3551.750	-31.47	-13	Pass
3555	3580	1	CHP	6	3555.550	-30.08	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 42a(3450-3550MHz) ANT23-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
6902.0	-59.4	-13	-46.4	-65.5	4.9	11.0	Horizontal	Pass
10353.0	-56.34	-13	-43.34	-63.91	5.52	13.09	Horizontal	Pass
13804.0	-53.52	-13	-40.52	-61.69	6.2	14.37	Horizontal	Pass
6902.0	-60.0	-13	-47.0	-66.1	4.9	11.0	Vertical	Pass
10353.0	-55.97	-13	-42.97	-63.54	5.52	13.09	Vertical	Pass
13804.0	-52.38	-13	-39.38	-60.55	6.2	14.37	Vertical	Pass

LTE Band 42a(3450-3550MHz) ANT23-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
6982.0	-60.37	-13	-47.37	-66.56	4.92	11.11	Horizontal	Pass
10473.0	-56.15	-13	-43.15	-63.73	5.54	13.12	Horizontal	Pass
13964.0	-53.44	-13	-40.44	-61.59	6.31	14.46	Horizontal	Pass
6982.0	-60.41	-13	-47.41	-66.6	4.92	11.11	Vertical	Pass
10473.0	-56.16	-13	-43.16	-63.74	5.54	13.12	Vertical	Pass
13964.0	-50.76	-13	-37.76	-58.91	6.31	14.46	Vertical	Pass

LTE Band 42a(3450-3550MHz) ANT23-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
7062.0	-59.54	-13	-46.54	-65.83	4.92	11.21	Horizontal	Pass
10593.0	-55.43	-13	-42.43	-63.0	5.58	13.15	Horizontal	Pass
14124.0	-53.05	-13	-40.05	-61.11	6.41	14.47	Horizontal	Pass
7062.0	-58.99	-13	-45.99	-65.28	4.92	11.21	Vertical	Pass
10593.0	-55.74	-13	-42.74	-63.31	5.58	13.15	Vertical	Pass
14124.0	-50.84	-13	-37.84	-58.9	6.41	14.47	Vertical	Pass