

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B42c_5MHz_EIRP/10MHz

Band: 42c / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3552.5	1	0	21.13	1.00	22.13	<=23	Pass
			13	21.17	1.00	22.17	<=23	Pass
			24	21.10	1.00	22.10	<=23	Pass
		12	0	20.21	1.00	21.21	<=23	Pass
			6	20.21	1.00	21.21	<=23	Pass
			13	20.22	1.00	21.22	<=23	Pass
		25	0	20.24	1.00	21.24	<=23	Pass
	3575	1	0	21.35	1.00	22.35	<=23	Pass
			13	21.43	1.00	22.43	<=23	Pass
			24	21.35	1.00	22.35	<=23	Pass
		12	0	20.33	1.00	21.33	<=23	Pass
			6	20.48	1.00	21.48	<=23	Pass
			13	20.47	1.00	21.47	<=23	Pass
		25	0	20.47	1.00	21.47	<=23	Pass
	3597.5	1	0	21.22	1.00	22.22	<=23	Pass
			13	21.25	1.00	22.25	<=23	Pass
			24	21.21	1.00	22.21	<=23	Pass
		12	0	20.37	1.00	21.37	<=23	Pass
			6	20.35	1.00	21.35	<=23	Pass
			13	20.38	1.00	21.38	<=23	Pass
		25	0	20.35	1.00	21.35	<=23	Pass
16QAM	3552.5	1	0	19.90	1.00	20.90	<=23	Pass
			13	20.22	1.00	21.22	<=23	Pass
			24	19.87	1.00	20.87	<=23	Pass
		12	0	19.12	1.00	20.12	<=23	Pass
			6	19.15	1.00	20.15	<=23	Pass
			13	19.21	1.00	20.21	<=23	Pass
		25	0	19.25	1.00	20.25	<=23	Pass
	3575	1	0	20.20	1.00	21.20	<=23	Pass
			13	20.54	1.00	21.54	<=23	Pass
			24	20.26	1.00	21.26	<=23	Pass
		12	0	19.44	1.00	20.44	<=23	Pass
			6	19.17	1.00	20.17	<=23	Pass
			13	19.51	1.00	20.51	<=23	Pass
		25	0	19.41	1.00	20.41	<=23	Pass
	3597.5	1	0	20.34	1.00	21.34	<=23	Pass
			13	20.26	1.00	21.26	<=23	Pass
			24	20.23	1.00	21.23	<=23	Pass
		12	0	19.17	1.00	20.17	<=23	Pass
			6	19.29	1.00	20.29	<=23	Pass
			13	19.32	1.00	20.32	<=23	Pass
		25	0	19.32	1.00	20.32	<=23	Pass
64QAM	3552.5	1	0	20.15	1.00	21.15	<=23	Pass
			13	20.01	1.00	21.01	<=23	Pass
			24	19.90	1.00	20.90	<=23	Pass
		12	0	19.25	1.00	20.25	<=23	Pass
			6	19.24	1.00	20.24	<=23	Pass

			13	19.26	1.00	20.26	<=23	Pass
		25	0	19.29	1.00	20.29	<=23	Pass
	3575	1	0	20.14	1.00	21.14	<=23	Pass
			13	20.34	1.00	21.34	<=23	Pass
			24	20.25	1.00	21.25	<=23	Pass
		12	0	19.44	1.00	20.44	<=23	Pass
			6	19.45	1.00	20.45	<=23	Pass
			13	19.48	1.00	20.48	<=23	Pass
		25	0	19.50	1.00	20.50	<=23	Pass
	3597.5	1	0	20.11	1.00	21.11	<=23	Pass
			13	20.12	1.00	21.12	<=23	Pass
			24	19.90	1.00	20.90	<=23	Pass
		12	0	19.36	1.00	20.36	<=23	Pass
			6	19.41	1.00	20.41	<=23	Pass
			13	19.28	1.00	20.28	<=23	Pass
		25	0	19.33	1.00	20.33	<=23	Pass
	Note1: EIRP/10MHz=Conducted Power+Antenna Gain							

1.1.2 B42c_10MHz_EIRP/10MHz

Band: 42c / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3555	1	0	21.15	1.00	22.15	<=23	Pass
			25	21.19	1.00	22.19	<=23	Pass
			49	21.16	1.00	22.16	<=23	Pass
		25	0	20.32	1.00	21.32	<=23	Pass
			13	20.36	1.00	21.36	<=23	Pass
			25	20.30	1.00	21.30	<=23	Pass
		50	0	20.34	1.00	21.34	<=23	Pass
	3575	1	0	21.32	1.00	22.32	<=23	Pass
			25	21.32	1.00	22.32	<=23	Pass
			49	21.39	1.00	22.39	<=23	Pass
		25	0	20.39	1.00	21.39	<=23	Pass
			13	20.52	1.00	21.52	<=23	Pass
			25	20.46	1.00	21.46	<=23	Pass
		50	0	20.42	1.00	21.42	<=23	Pass
	3595	1	0	21.17	1.00	22.17	<=23	Pass
			25	21.23	1.00	22.23	<=23	Pass
			49	21.27	1.00	22.27	<=23	Pass
		25	0	20.36	1.00	21.36	<=23	Pass
			13	20.42	1.00	21.42	<=23	Pass
			25	20.40	1.00	21.40	<=23	Pass
		50	0	20.42	1.00	21.42	<=23	Pass
16QAM	3555	1	0	20.25	1.00	21.25	<=23	Pass
			25	19.82	1.00	20.82	<=23	Pass
			49	20.16	1.00	21.16	<=23	Pass
		25	0	19.32	1.00	20.32	<=23	Pass
			13	19.31	1.00	20.31	<=23	Pass
			25	19.30	1.00	20.30	<=23	Pass
		50	0	19.35	1.00	20.35	<=23	Pass
	3575	1	0	20.25	1.00	21.25	<=23	Pass
			25	20.44	1.00	21.44	<=23	Pass
			49	20.38	1.00	21.38	<=23	Pass
		25	0	19.40	1.00	20.40	<=23	Pass
			13	19.49	1.00	20.49	<=23	Pass
			25	19.41	1.00	20.41	<=23	Pass

		50	0	19.41	1.00	20.41	<=23	Pass
	3595	1	0	20.11	1.00	21.11	<=23	Pass
			25	20.22	1.00	21.22	<=23	Pass
			49	19.97	1.00	20.97	<=23	Pass
			0	19.21	1.00	20.21	<=23	Pass
		25	13	19.40	1.00	20.40	<=23	Pass
			25	19.38	1.00	20.38	<=23	Pass
			0	19.29	1.00	20.29	<=23	Pass
		50	0	19.29	1.00	20.29	<=23	Pass
64QAM	3555	1	0	20.01	1.00	21.01	<=23	Pass
			25	20.17	1.00	21.17	<=23	Pass
			49	20.26	1.00	21.26	<=23	Pass
			0	19.29	1.00	20.29	<=23	Pass
		25	13	19.35	1.00	20.35	<=23	Pass
			25	19.32	1.00	20.32	<=23	Pass
			0	19.37	1.00	20.37	<=23	Pass
		3575	1	0	20.16	1.00	21.16	<=23
	25			20.22	1.00	21.22	<=23	Pass
	49			20.31	1.00	21.31	<=23	Pass
	0			19.47	1.00	20.47	<=23	Pass
	25		13	19.45	1.00	20.45	<=23	Pass
			25	19.56	1.00	20.56	<=23	Pass
			0	19.50	1.00	20.50	<=23	Pass
	3595		1	0	19.77	1.00	20.77	<=23
		25		20.24	1.00	21.24	<=23	Pass
		49		20.09	1.00	21.09	<=23	Pass
		0		19.35	1.00	20.35	<=23	Pass
		25	13	19.38	1.00	20.38	<=23	Pass
			25	19.39	1.00	20.39	<=23	Pass
			0	19.39	1.00	20.39	<=23	Pass
Note1: EIRP/10MHz=Conducted Power+Antenna Gain								

1.1.3 B42c_15MHz_EIRP/10MHz

Band: 42c / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3557.5	1	0	21.08	1.00	22.08	<=23	Pass
			38	21.11	1.00	22.11	<=23	Pass
			74	21.04	1.00	22.04	<=23	Pass
		36	0	20.33	1.00	21.33	<=23	Pass
			18	20.32	1.00	21.32	<=23	Pass
			39	20.27	1.00	21.27	<=23	Pass
		75	0	19.54	1.00	20.54	<=23	Pass
	3575	1	0	21.18	1.00	22.18	<=23	Pass
			38	21.29	1.00	22.29	<=23	Pass
			74	21.22	1.00	22.22	<=23	Pass
		36	0	20.48	1.00	21.48	<=23	Pass
			18	20.44	1.00	21.44	<=23	Pass
			39	20.46	1.00	21.46	<=23	Pass
		75	0	19.26	1.00	20.26	<=23	Pass
	3592.5	1	0	21.09	1.00	22.09	<=23	Pass
			38	21.14	1.00	22.14	<=23	Pass
			74	21.17	1.00	22.17	<=23	Pass
		36	0	20.36	1.00	21.36	<=23	Pass
			18	20.32	1.00	21.32	<=23	Pass
			39	20.35	1.00	21.35	<=23	Pass
		75	0	20.42	1.00	21.42	<=23	Pass

16QAM	3557.5	1	0	20.33	1.00	21.33	<=23	Pass	
			38	19.92	1.00	20.92	<=23	Pass	
			74	20.23	1.00	21.23	<=23	Pass	
		36	0	19.34	1.00	20.34	<=23	Pass	
			18	19.31	1.00	20.31	<=23	Pass	
			39	19.27	1.00	20.27	<=23	Pass	
		75	0	18.54	1.00	19.54	<=23	Pass	
		3575	1	0	20.25	1.00	21.25	<=23	Pass
				38	20.47	1.00	21.47	<=23	Pass
	74			20.34	1.00	21.34	<=23	Pass	
	36		0	19.35	1.00	20.35	<=23	Pass	
			18	19.43	1.00	20.43	<=23	Pass	
			39	19.43	1.00	20.43	<=23	Pass	
	75		0	18.25	1.00	19.25	<=23	Pass	
	3592.5		1	0	20.34	1.00	21.34	<=23	Pass
				38	20.14	1.00	21.14	<=23	Pass
		74		20.10	1.00	21.10	<=23	Pass	
		36	0	19.23	1.00	20.23	<=23	Pass	
			18	19.31	1.00	20.31	<=23	Pass	
			39	19.28	1.00	20.28	<=23	Pass	
	75	0	19.45	1.00	20.45	<=23	Pass		
64QAM	3557.5	1	0	20.08	1.00	21.08	<=23	Pass	
			38	20.27	1.00	21.27	<=23	Pass	
			74	20.15	1.00	21.15	<=23	Pass	
		36	0	19.31	1.00	20.31	<=23	Pass	
			18	19.36	1.00	20.36	<=23	Pass	
			39	19.32	1.00	20.32	<=23	Pass	
		75	0	18.52	1.00	19.52	<=23	Pass	
		3575	1	0	20.21	1.00	21.21	<=23	Pass
				38	20.31	1.00	21.31	<=23	Pass
	74			20.25	1.00	21.25	<=23	Pass	
	36		0	19.47	1.00	20.47	<=23	Pass	
			18	19.46	1.00	20.46	<=23	Pass	
			39	19.43	1.00	20.43	<=23	Pass	
	75	0	18.24	1.00	19.24	<=23	Pass		
	3592.5	1	0	19.61	1.00	20.61	<=23	Pass	
			38	19.90	1.00	20.90	<=23	Pass	
			74	19.91	1.00	20.91	<=23	Pass	
		36	0	19.37	1.00	20.37	<=23	Pass	
			18	19.35	1.00	20.35	<=23	Pass	
			39	19.33	1.00	20.33	<=23	Pass	
		75	0	19.47	1.00	20.47	<=23	Pass	
Note1: EIRP/10MHz=Conducted Power+Antenna Gain									

1.1.4 B42c_20MHz_EIRP/10MHz

Band: 42c / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3560	1	0	21.11	1.00	22.11	<=23	Pass
			50	21.08	1.00	22.08	<=23	Pass
			99	21.15	1.00	22.15	<=23	Pass
		50	0	20.36	1.00	21.36	<=23	Pass
			25	20.39	1.00	21.39	<=23	Pass
			50	20.31	1.00	21.31	<=23	Pass
		100	0	18.31	1.00	19.31	<=23	Pass
	3575	1	0	21.16	1.00	22.16	<=23	Pass

			50	21.37	1.00	22.37	<=23	Pass		
			99	21.30	1.00	22.30	<=23	Pass		
			50	0	20.48	1.00	21.48	<=23	Pass	
				25	20.47	1.00	21.47	<=23	Pass	
				50	20.47	1.00	21.47	<=23	Pass	
		100	0	19.05	1.00	20.05	<=23	Pass		
		3590	1	0	21.15	1.00	22.15	<=23	Pass	
	50			21.33	1.00	22.33	<=23	Pass		
	99			21.29	1.00	22.29	<=23	Pass		
	50		0	20.42	1.00	21.42	<=23	Pass		
			25	20.50	1.00	21.50	<=23	Pass		
			50	20.38	1.00	21.38	<=23	Pass		
	100		0	19.24	1.00	20.24	<=23	Pass		
	16QAM	3560	1	0	19.94	1.00	20.94	<=23	Pass	
				50	20.47	1.00	21.47	<=23	Pass	
99				20.36	1.00	21.36	<=23	Pass		
50			0	19.36	1.00	20.36	<=23	Pass		
			25	19.41	1.00	20.41	<=23	Pass		
			50	19.35	1.00	20.35	<=23	Pass		
100			0	17.31	1.00	18.31	<=23	Pass		
3575			1	0	20.08	1.00	21.08	<=23	Pass	
				50	20.45	1.00	21.45	<=23	Pass	
		99		20.48	1.00	21.48	<=23	Pass		
		50	0	19.51	1.00	20.51	<=23	Pass		
			25	19.59	1.00	20.59	<=23	Pass		
			50	19.54	1.00	20.54	<=23	Pass		
		100	0	18.09	1.00	19.09	<=23	Pass		
3590		1	0	20.21	1.00	21.21	<=23	Pass		
			50	20.54	1.00	21.54	<=23	Pass		
			99	20.33	1.00	21.33	<=23	Pass		
		50	0	19.42	1.00	20.42	<=23	Pass		
			25	19.32	1.00	20.32	<=23	Pass		
			50	19.43	1.00	20.43	<=23	Pass		
		100	0	18.25	1.00	19.25	<=23	Pass		
		64QAM	3560	1	0	20.13	1.00	21.13	<=23	Pass
					50	20.11	1.00	21.11	<=23	Pass
99					20.18	1.00	21.18	<=23	Pass	
50				0	19.34	1.00	20.34	<=23	Pass	
				25	19.37	1.00	20.37	<=23	Pass	
				50	19.32	1.00	20.32	<=23	Pass	
100	0			17.31	1.00	18.31	<=23	Pass		
3575	1			0	20.01	1.00	21.01	<=23	Pass	
				50	20.45	1.00	21.45	<=23	Pass	
			99	20.50	1.00	21.50	<=23	Pass		
	50		0	19.43	1.00	20.43	<=23	Pass		
			25	19.42	1.00	20.42	<=23	Pass		
			50	19.44	1.00	20.44	<=23	Pass		
	100		0	18.11	1.00	19.11	<=23	Pass		
3590	1		0	20.00	1.00	21.00	<=23	Pass		
			50	20.17	1.00	21.17	<=23	Pass		
			99	20.03	1.00	21.03	<=23	Pass		
	50		0	19.43	1.00	20.43	<=23	Pass		
			25	19.45	1.00	20.45	<=23	Pass		
			50	19.51	1.00	20.51	<=23	Pass		
	100		0	18.30	1.00	19.30	<=23	Pass		
	Note1: EIRP/10MHz=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 Test Result

2.1.1 B42c_10MHz

Band: 42c / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3575	50	0	20	LV	1.900	0.0005	-2.5 to 2.5	Pass
					HV	0.300	0.0001	-2.5 to 2.5	Pass
					NV	0.800	0.0002	-2.5 to 2.5	Pass
				-30	NV	0.300	0.0001	-2.5 to 2.5	Pass
				-20	NV	0.400	0.0001	-2.5 to 2.5	Pass
				-10	NV	4.100	0.0011	-2.5 to 2.5	Pass
				0	NV	-0.400	-0.0001	-2.5 to 2.5	Pass
				10	NV	2.400	0.0007	-2.5 to 2.5	Pass
				30	NV	0.000	0.0000	-2.5 to 2.5	Pass
				40	NV	0.800	0.0002	-2.5 to 2.5	Pass
				50	NV	-1.700	-0.0005	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band42c_OBW

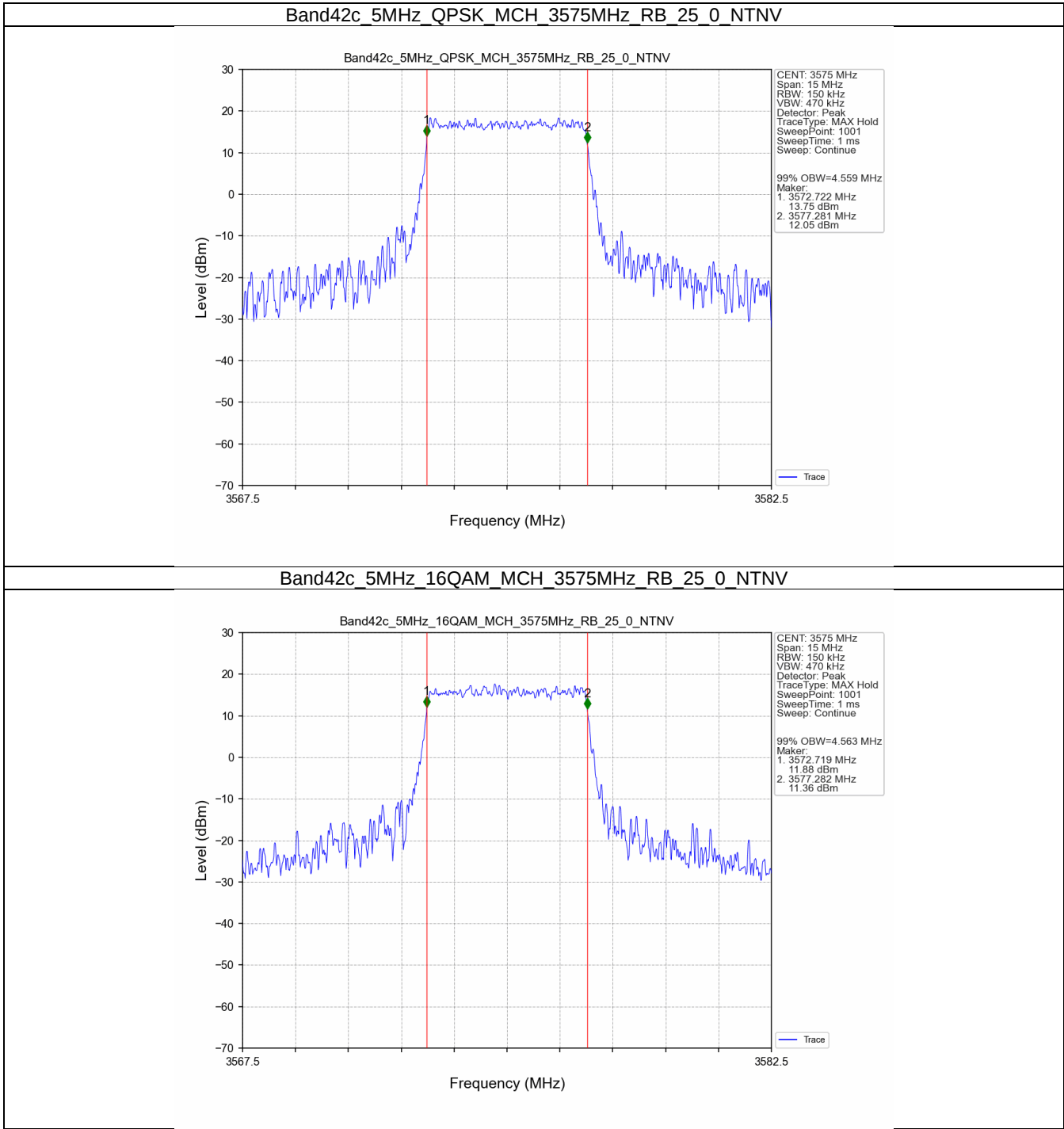
Band: 42c / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3575	25	0	4.559	/	Pass
	16QAM	3575	25	0	4.563	/	Pass
10	QPSK	3575	50	0	9.100	/	Pass
	16QAM	3575	50	0	9.078	/	Pass
15	QPSK	3575	75	0	13.680	/	Pass
	16QAM	3575	75	0	13.633	/	Pass
20	QPSK	3575	100	0	17.982	/	Pass
	16QAM	3575	100	0	18.069	/	Pass

3.1.2 Band42c_XDB

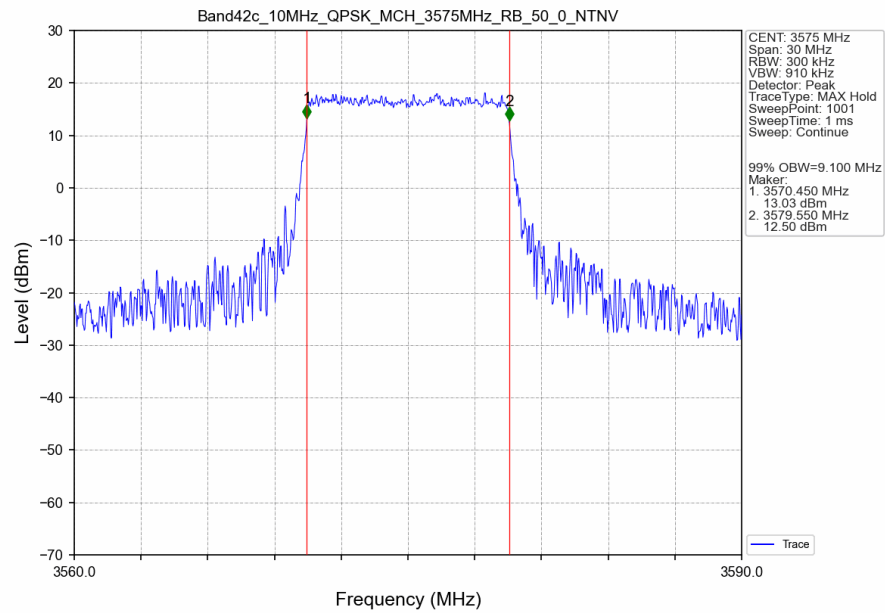
Band: 42c / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3575	25	0	5.667	/	Pass
	16QAM	3575	25	0	5.371	/	Pass
10	QPSK	3575	50	0	11.188	/	Pass
	16QAM	3575	50	0	10.464	/	Pass
15	QPSK	3575	75	0	16.758	/	Pass
	16QAM	3575	75	0	15.923	/	Pass
20	QPSK	3575	100	0	19.342	/	Pass
	16QAM	3575	100	0	20.035	/	Pass

3.2 Test Graph

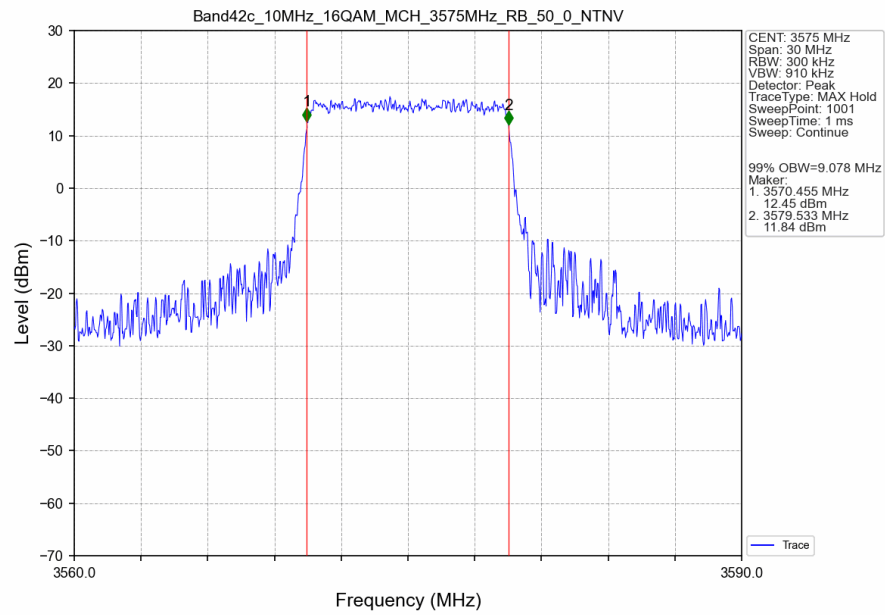
3.2.1 Band42c_OBW



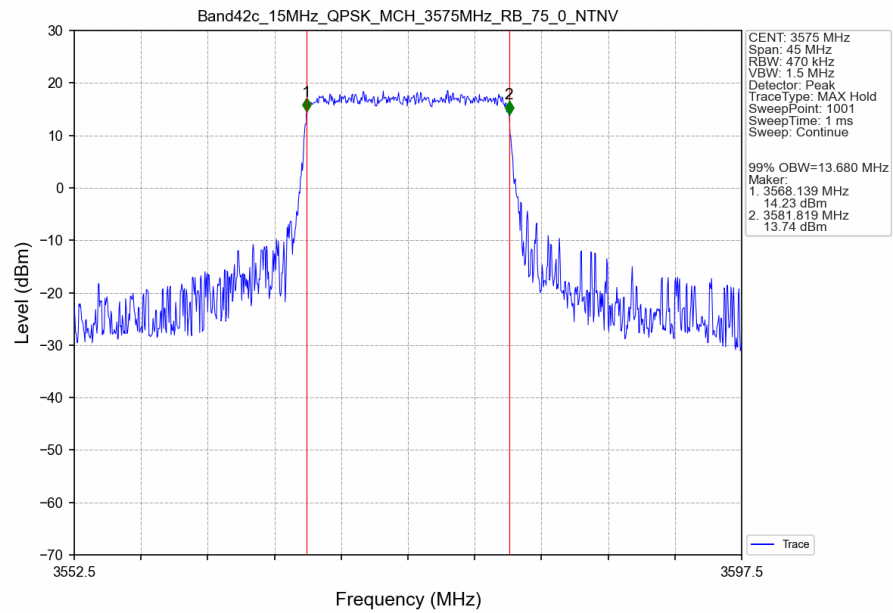
Band42c 10MHz QPSK MCH 3575MHz RB 50 0 NTV



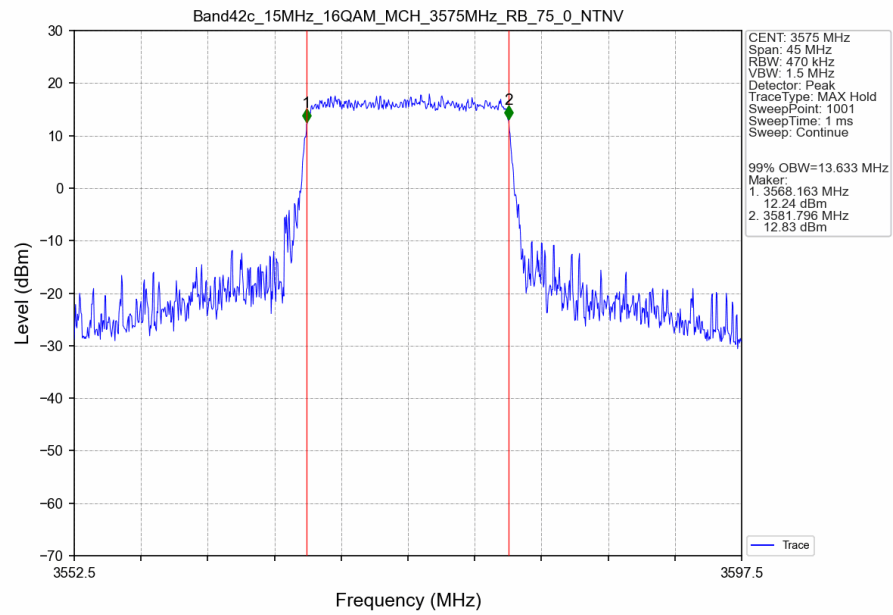
Band42c 10MHz 16QAM MCH 3575MHz RB 50 0 NTV



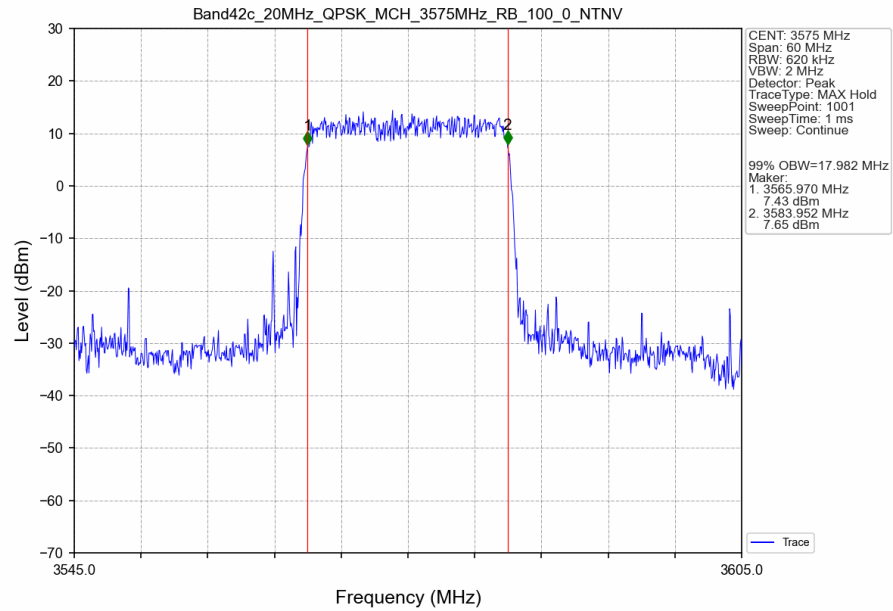
Band42c 15MHz QPSK MCH 3575MHz RB 75 0 NTV



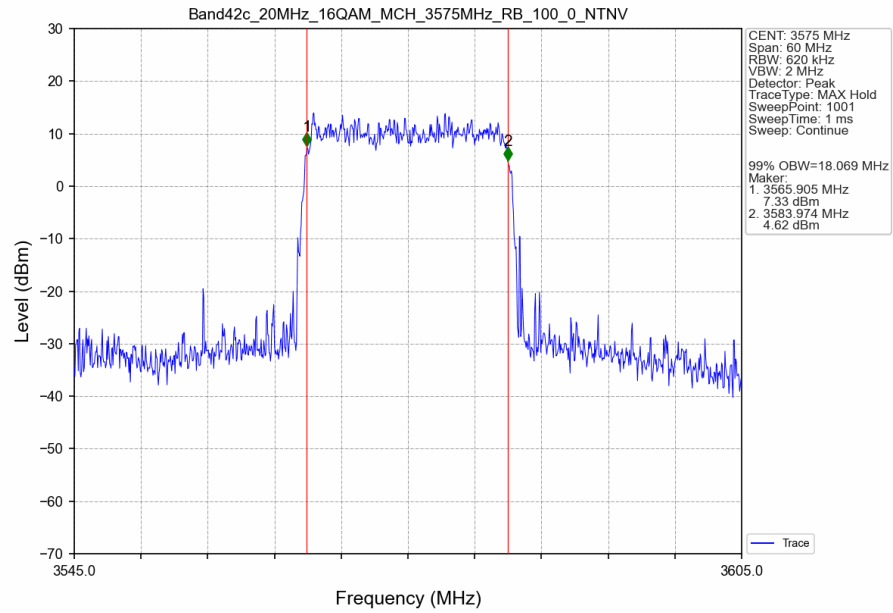
Band42c 15MHz 16QAM MCH 3575MHz RB 75 0 NTV



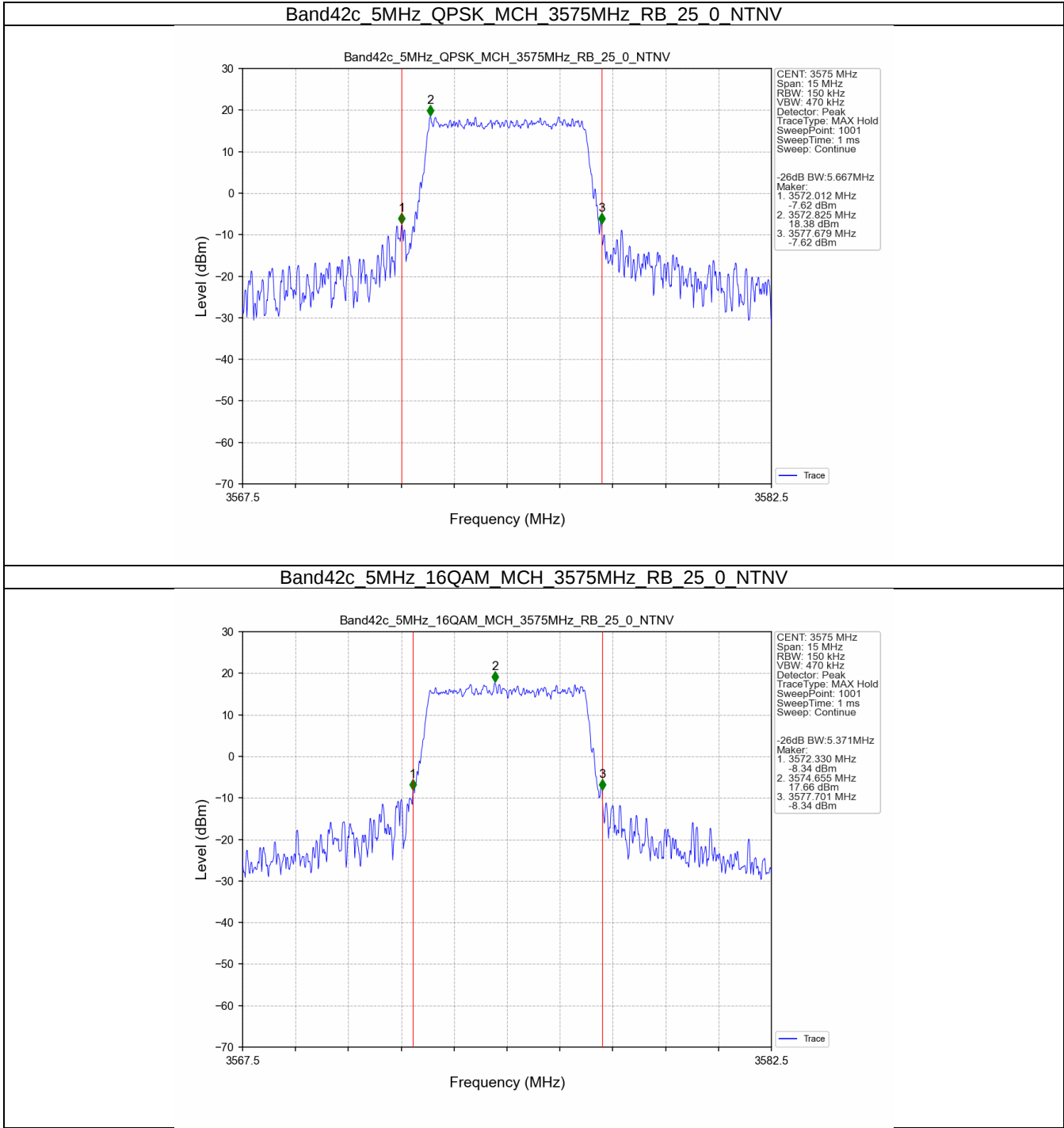
Band42c 20MHz QPSK MCH 3575MHz RB 100 0 NTV



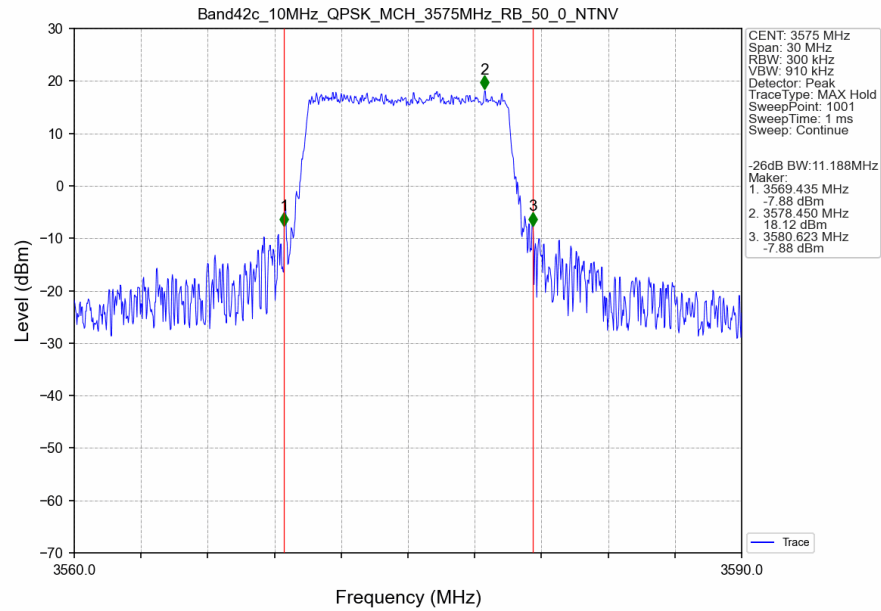
Band42c 20MHz 16QAM MCH 3575MHz RB 100 0 NTV



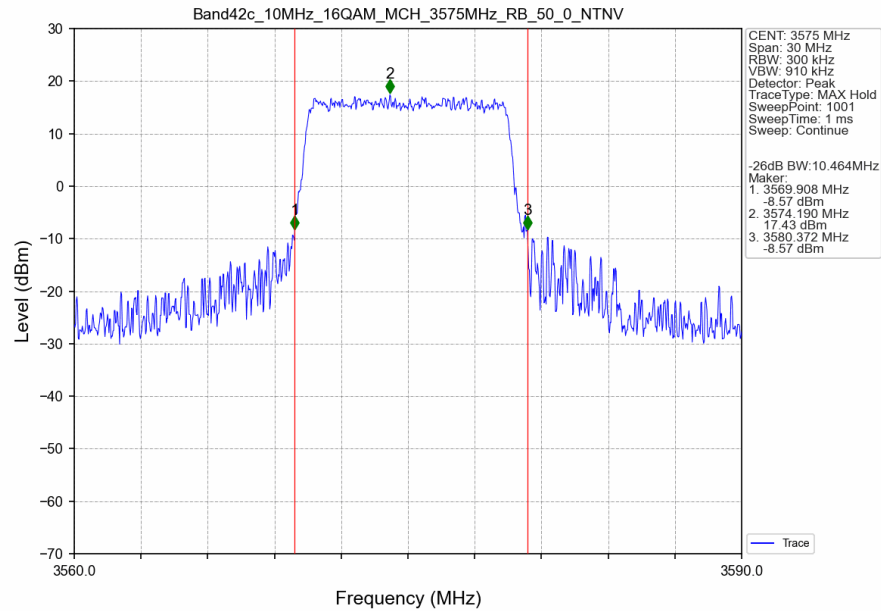
3.2.2 Band42c_XDB



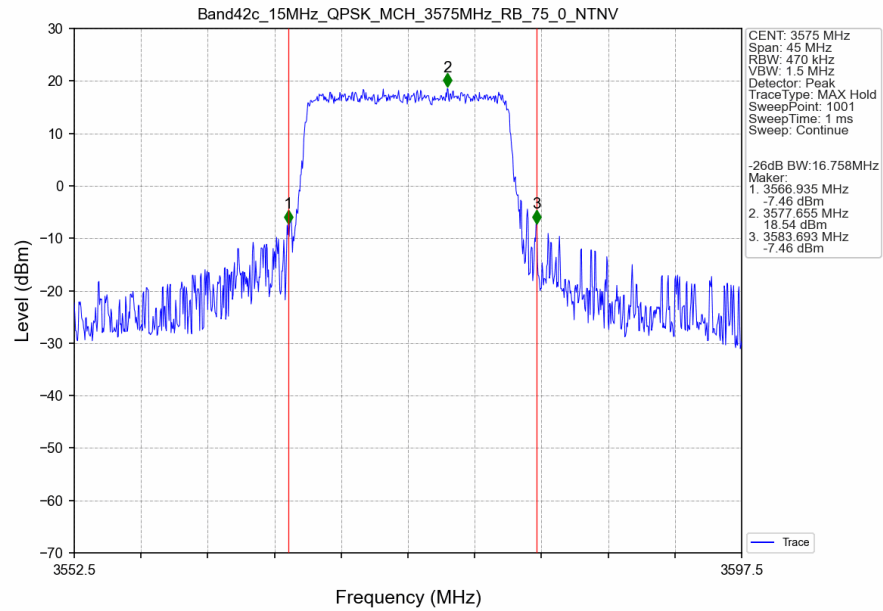
Band42c 10MHz QPSK MCH 3575MHz RB 50 0 NTNV



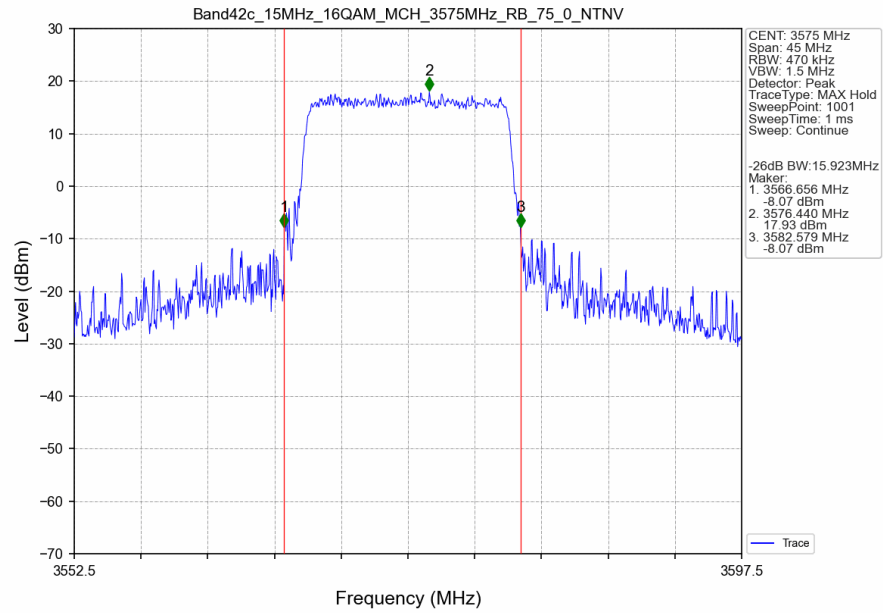
Band42c 10MHz 16QAM MCH 3575MHz RB 50 0 NTNV



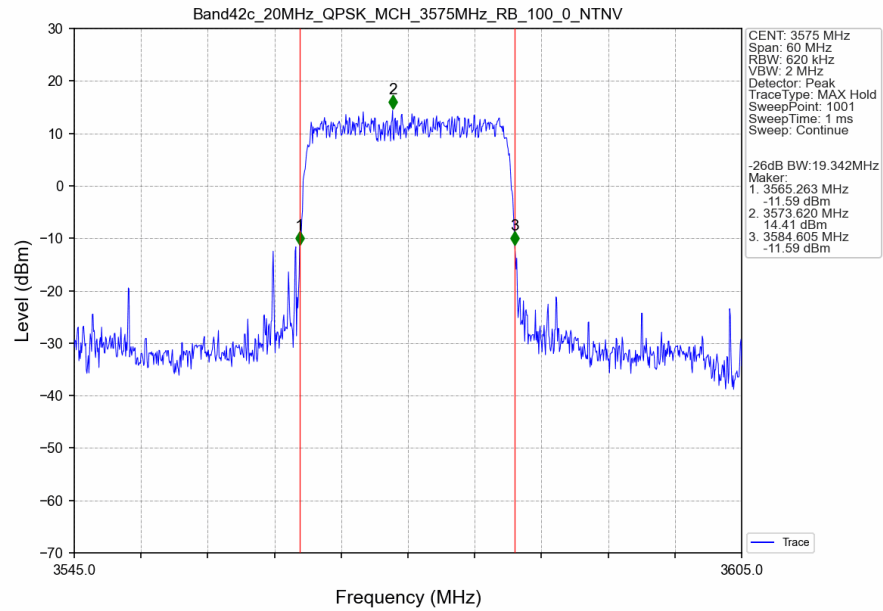
Band42c 15MHz QPSK MCH 3575MHz RB 75 0 NTNV



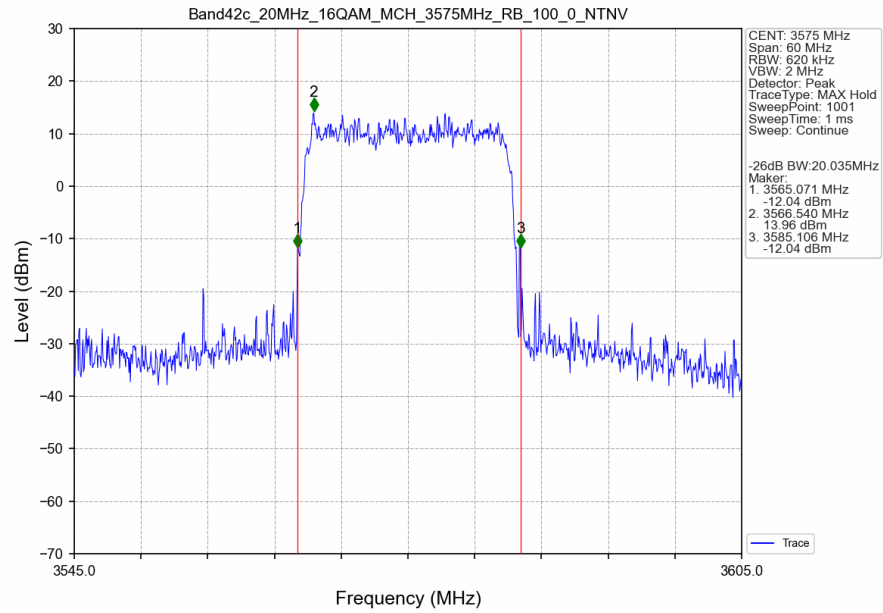
Band42c 15MHz 16QAM MCH 3575MHz RB 75 0 NTNV



Band42c 20MHz QPSK MCH 3575MHz RB 100 0 NTV



Band42c 20MHz 16QAM MCH 3575MHz RB 100 0 NTV



4. Peak-Average Ratio

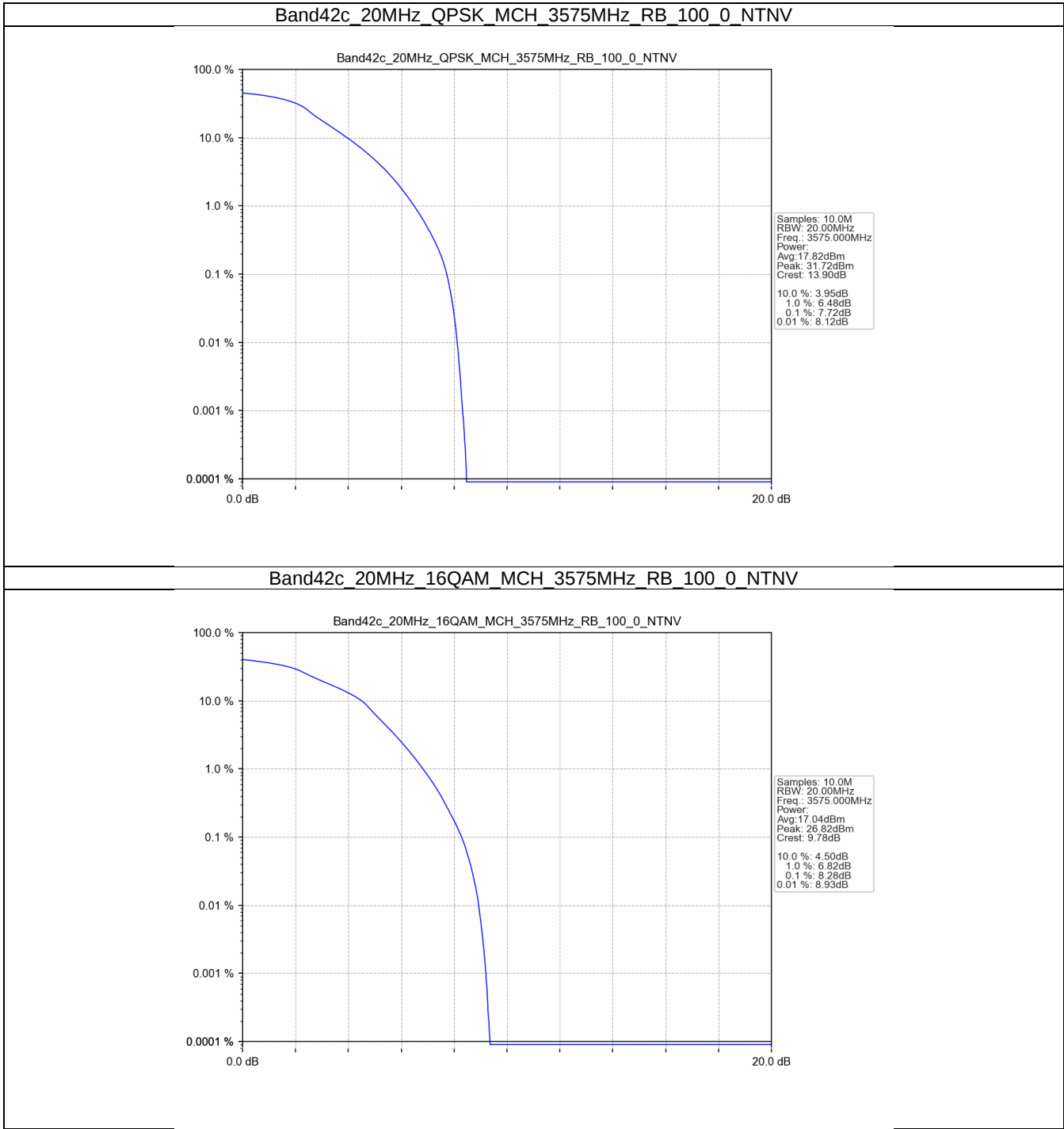
4.1 Test Result

4.1.1 B42c_20MHz

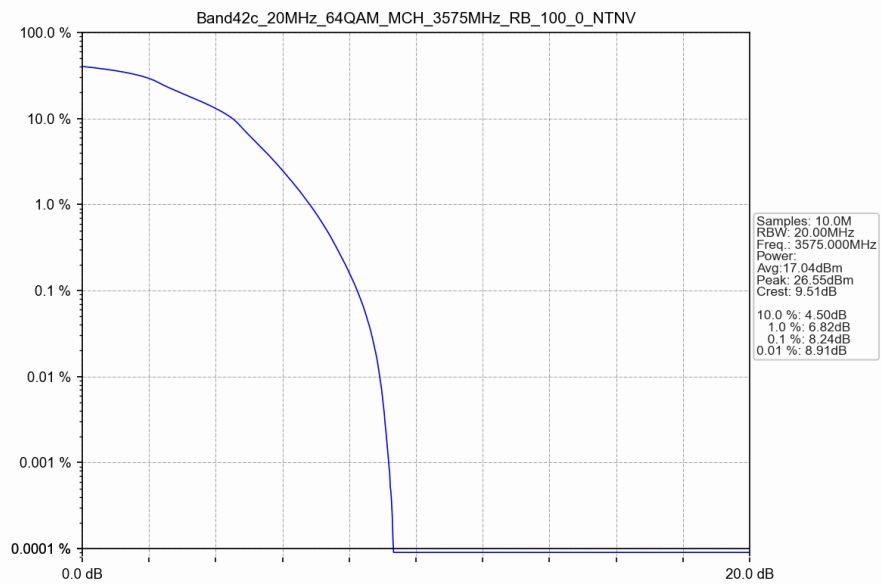
Band: 42c / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3575	100	0	7.72	<=13	Pass
16QAM	3575	100	0	8.28	<=13	Pass
64QAM	3575	100	0	8.24	<=13	Pass

4.2 Test Graph

4.2.1 B42c_20MHz



Band42c 20MHz 64QAM MCH 3575MHz RB 100 0 NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B42c_5MHz

Band: 42c / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
		3597.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph		Pass
	25		0	Refer To Test Graph		Pass

5.1.2 B42c_10MHz

Band: 42c / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
		3595	1	0	Refer To Test Graph	
	49			Refer To Test Graph		Pass
	50		0	Refer To Test Graph		Pass

5.1.3 B42c_15MHz

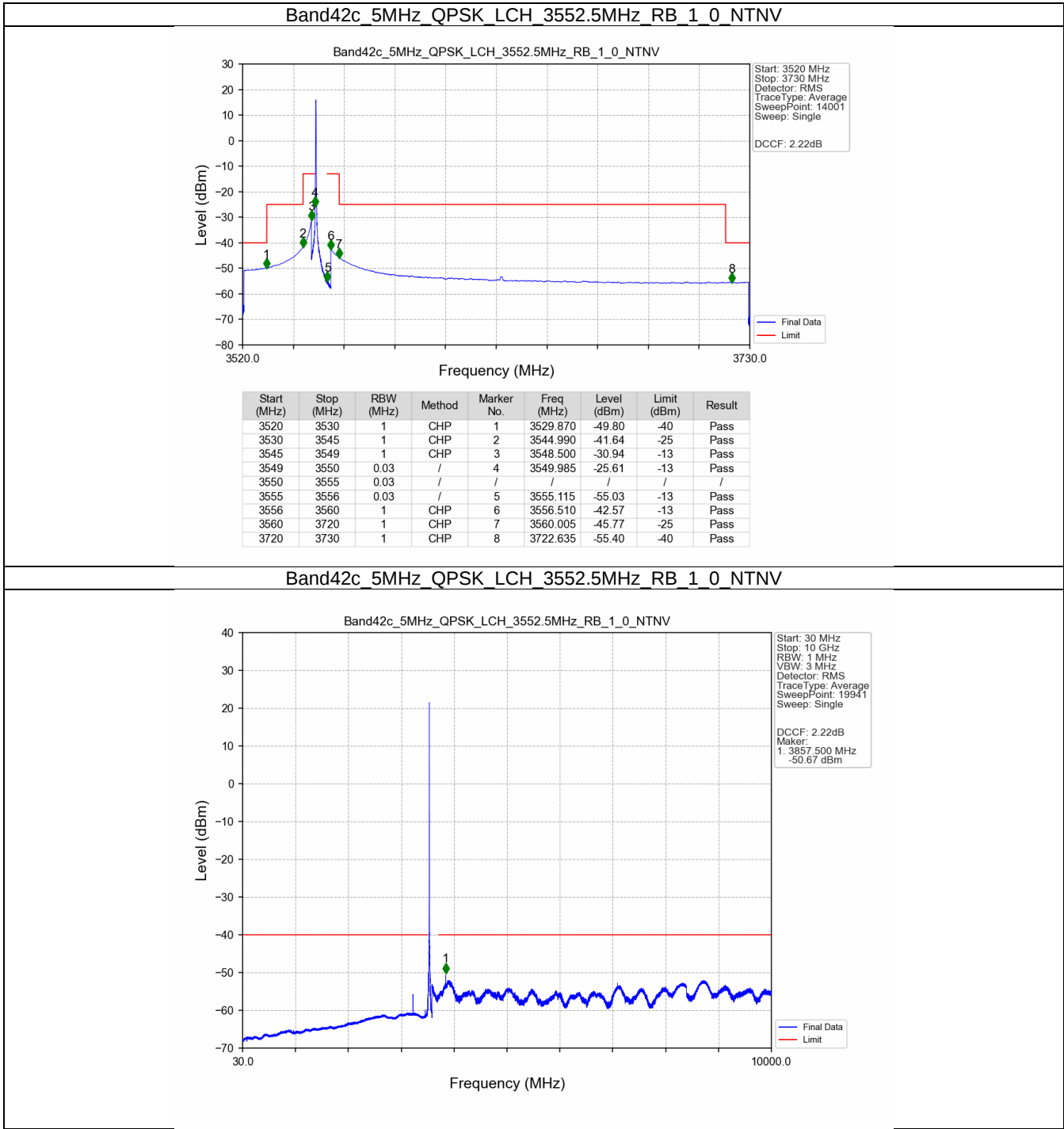
Band: 42c / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
		3592.5	1	0	Refer To Test Graph	
	74			Refer To Test Graph		Pass
	75		0	Refer To Test Graph		Pass

5.1.4 B42c_20MHz

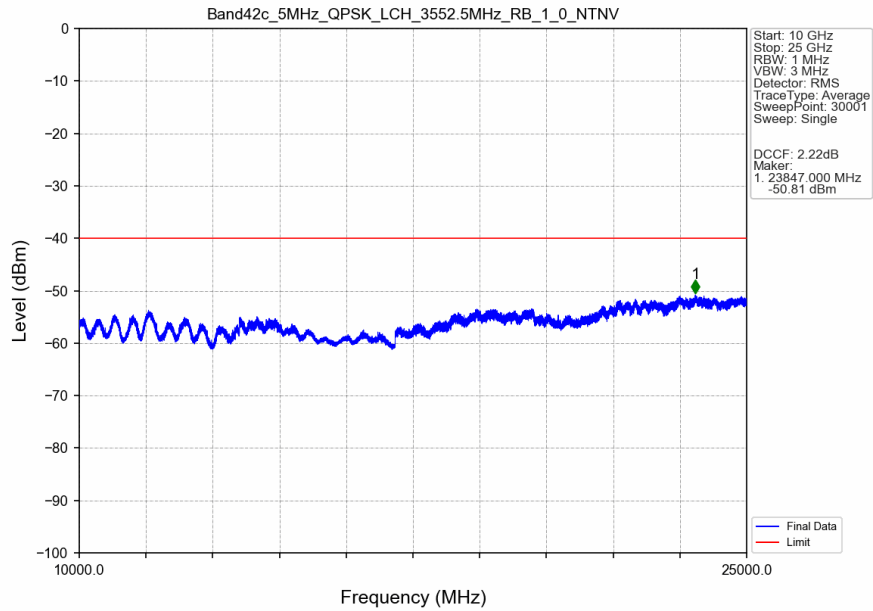
Band: 42c / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
		3590	1	0	Refer To Test Graph	
	99			Refer To Test Graph		Pass
	100		0	Refer To Test Graph		Pass

5.2 Test Graph

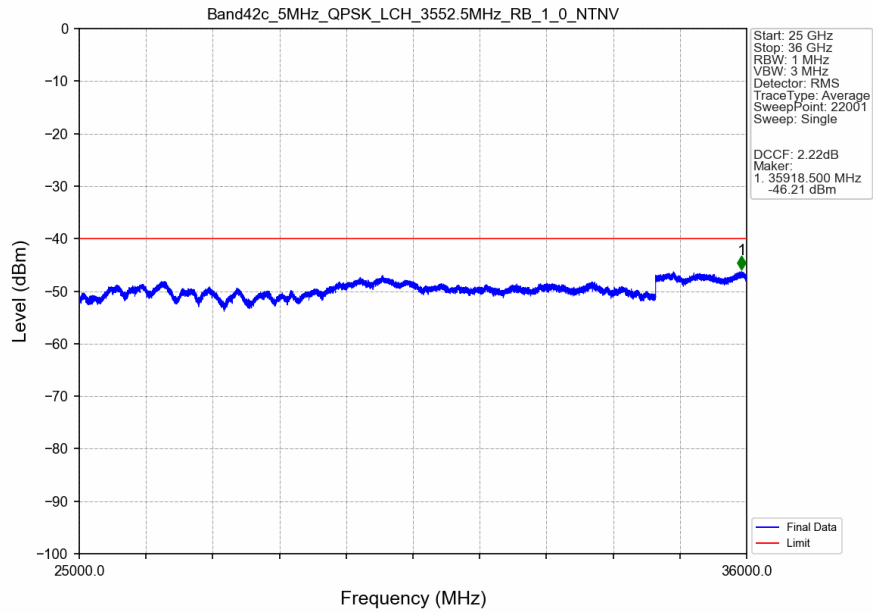
5.2.1 B42c_5MHz



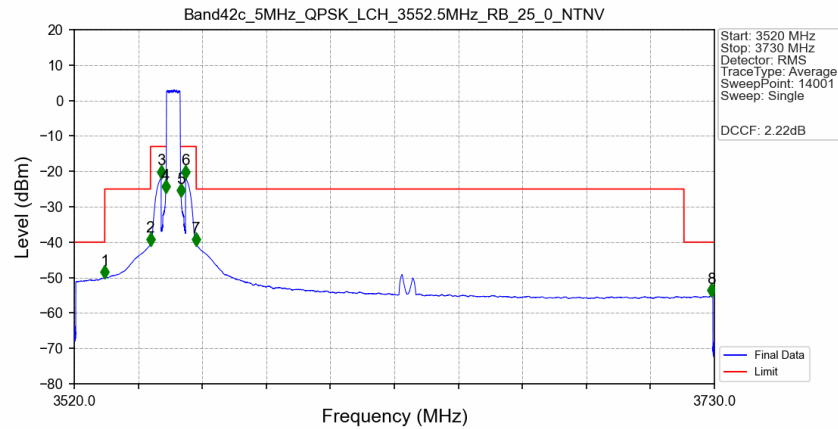
Band42c 5MHz QPSK LCH 3552.5MHz RB 1 0 NTNV



Band42c 5MHz QPSK LCH 3552.5MHz RB 1 0 NTNV

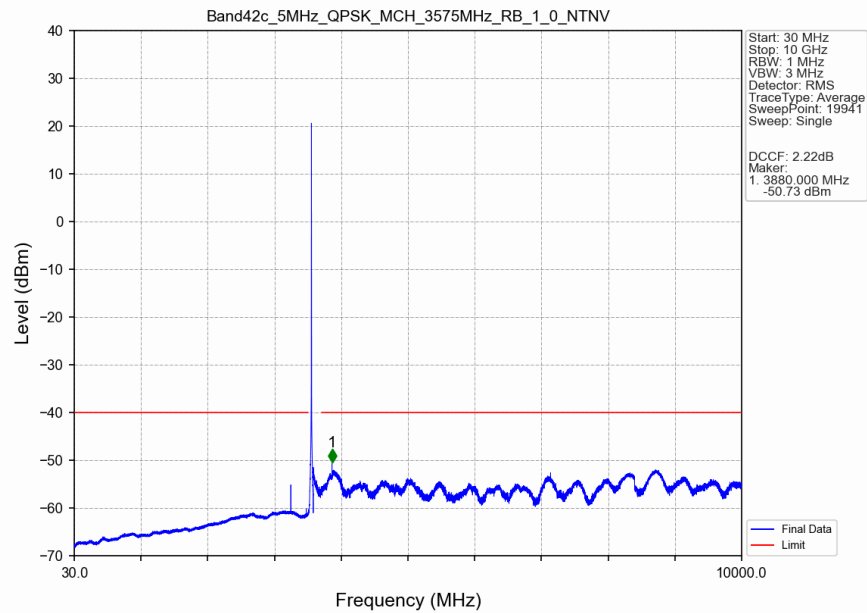


Band42c 5MHz QPSK LCH 3552.5MHz RB 25 0 NTNV

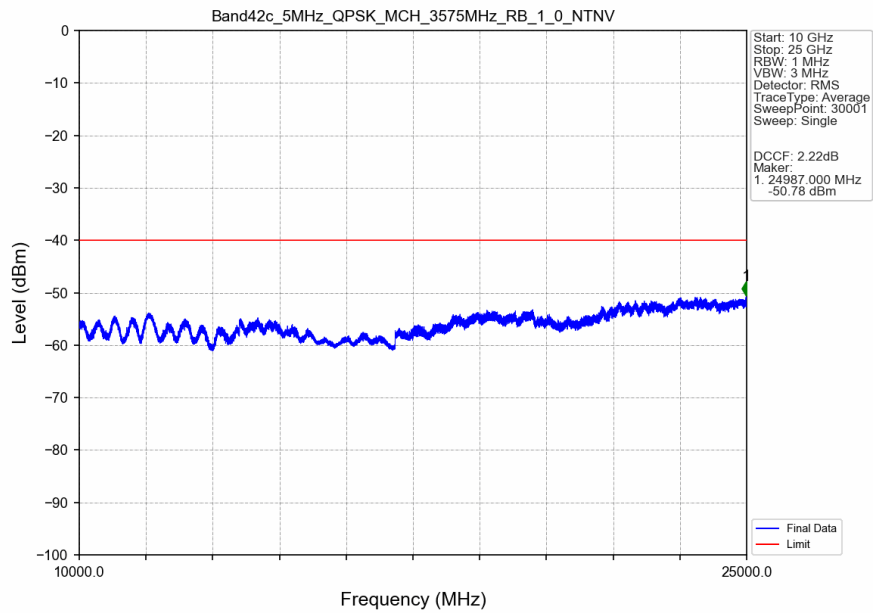


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.990	-50.02	-40	Pass
3530	3545	1	CHP	2	3544.990	-40.71	-25	Pass
3545	3549	1	CHP	3	3548.500	-21.65	-13	Pass
3549	3550	0.057	CHP	4	3549.985	-25.90	-13	Pass
3550	3555	0.057	CHP	/	/	/	/	/
3555	3556	0.057	CHP	5	3555.010	-26.85	-13	Pass
3556	3560	1	CHP	6	3556.510	-21.67	-13	Pass
3560	3720	1	CHP	7	3560.005	-40.81	-25	Pass
3720	3730	1	CHP	8	3728.995	-55.12	-40	Pass

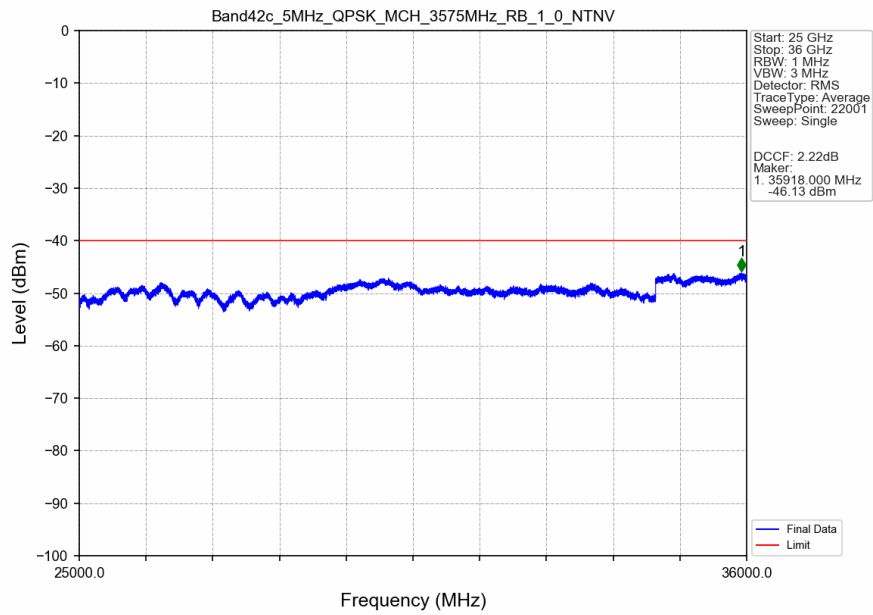
Band42c 5MHz QPSK MCH 3575MHz RB 1 0 NTNV



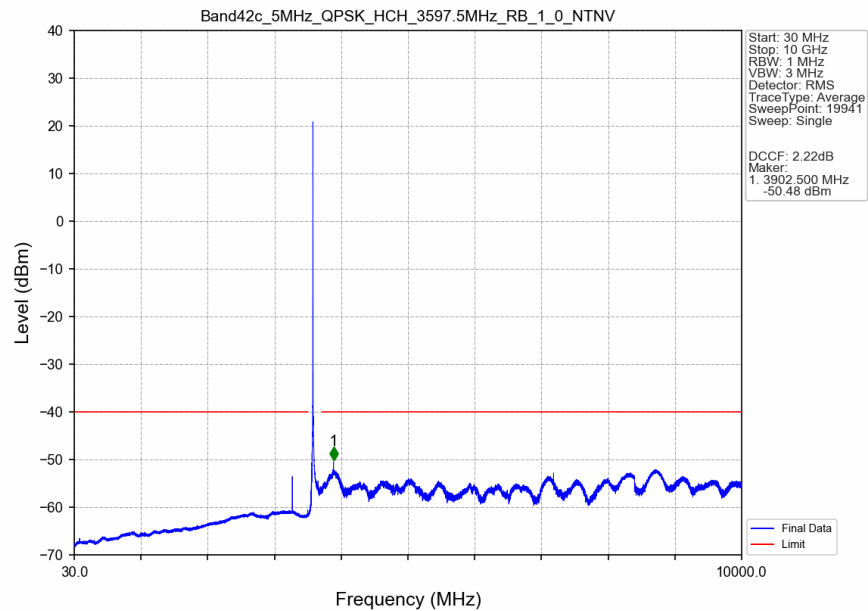
Band42c 5MHz QPSK MCH 3575MHz RB 1 0 NTN



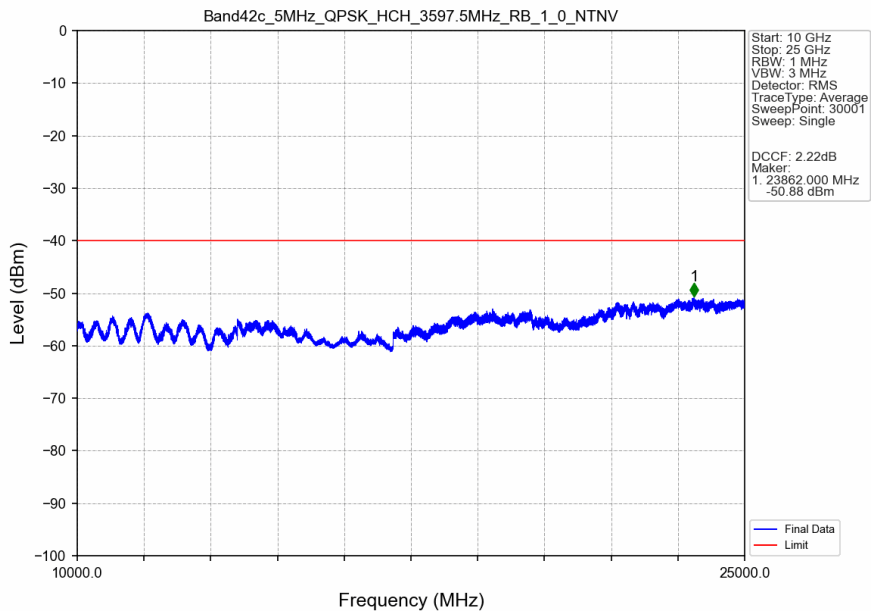
Band42c 5MHz QPSK MCH 3575MHz RB 1 0 NTN



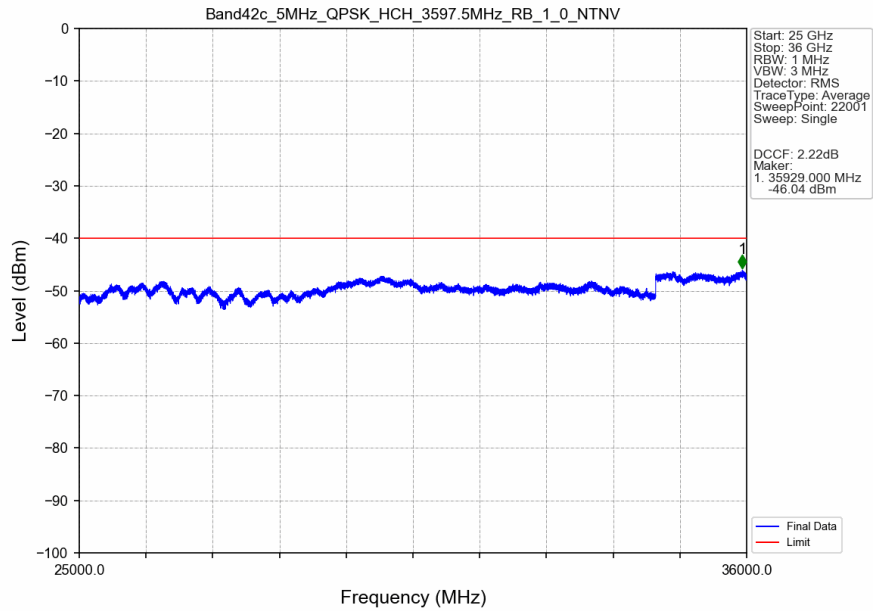
Band42c 5MHz QPSK HCH 3597.5MHz RB 1 0 NTV



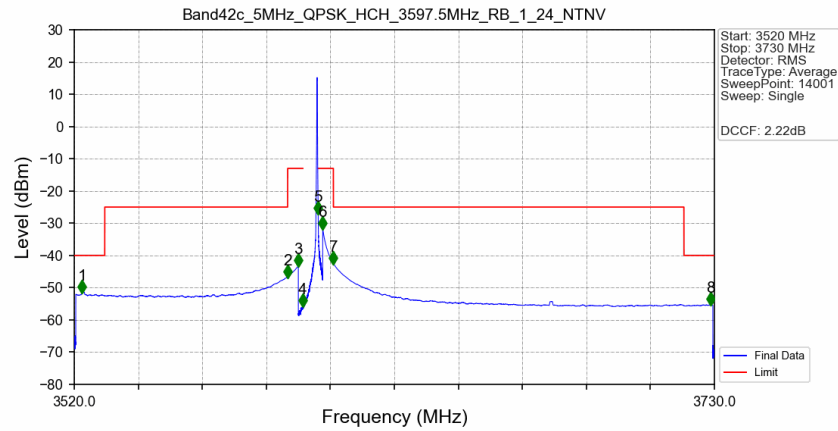
Band42c 5MHz QPSK HCH 3597.5MHz RB 1 0 NTV



Band42c 5MHz QPSK HCH 3597.5MHz RB 1 0 NTNV

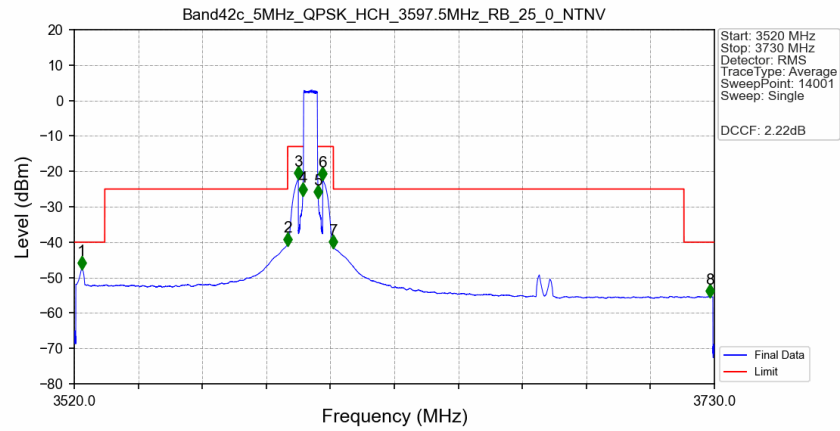


Band42c 5MHz QPSK HCH 3597.5MHz RB 1 24 NTNV



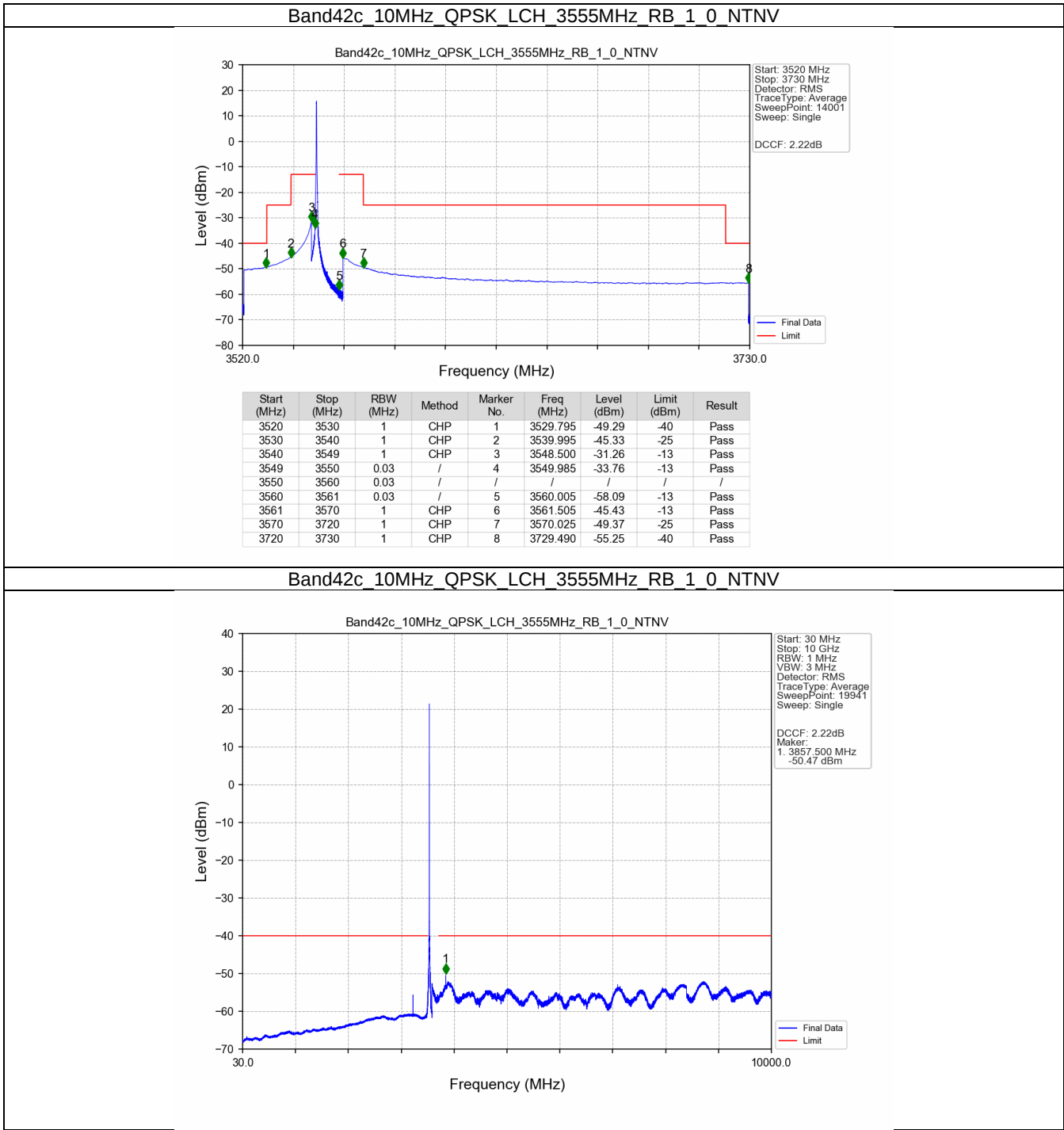
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.520	-51.38	-40	Pass
3530	3590	1	CHP	2	3589.990	-46.73	-25	Pass
3590	3594	1	CHP	3	3593.500	-43.26	-13	Pass
3594	3595	0.03	/	4	3594.910	-55.69	-13	Pass
3595	3600	0.03	/	/	/	/	/	/
3600	3601	0.03	/	5	3600.010	-26.97	-13	Pass
3601	3605	1	CHP	6	3601.510	-31.73	-13	Pass
3605	3720	1	CHP	7	3605.005	-42.49	-25	Pass
3720	3730	1	CHP	8	3728.830	-55.19	-40	Pass

Band42c 5MHz QPSK HCH 3597.5MHz RB 25 0 NTN

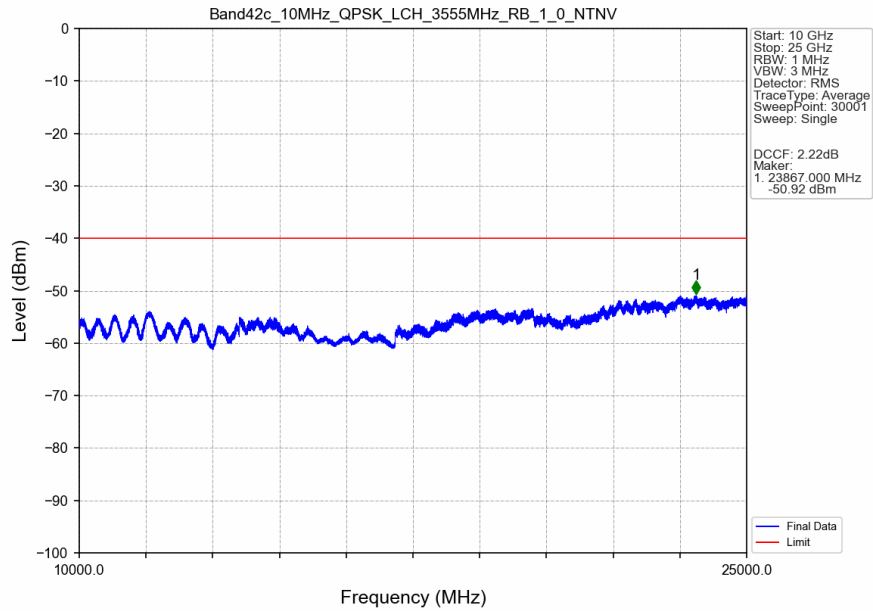


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.445	-47.33	-40	Pass
3530	3590	1	CHP	2	3589.990	-40.71	-25	Pass
3590	3594	1	CHP	3	3593.500	-22.06	-13	Pass
3594	3595	0.057	CHP	4	3594.985	-26.56	-13	Pass
3595	3600	0.057	CHP	/	/	/	/	/
3600	3601	0.057	CHP	5	3600.010	-27.35	-13	Pass
3601	3605	1	CHP	6	3601.510	-22.26	-13	Pass
3605	3720	1	CHP	7	3605.005	-41.38	-25	Pass
3720	3730	1	CHP	8	3728.530	-55.28	-40	Pass

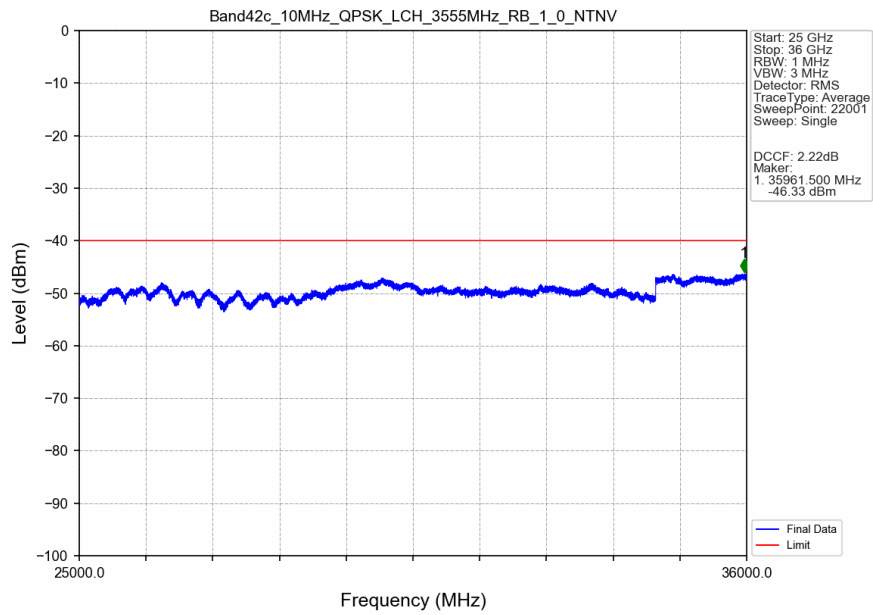
5.2.2 B42c_10MHz



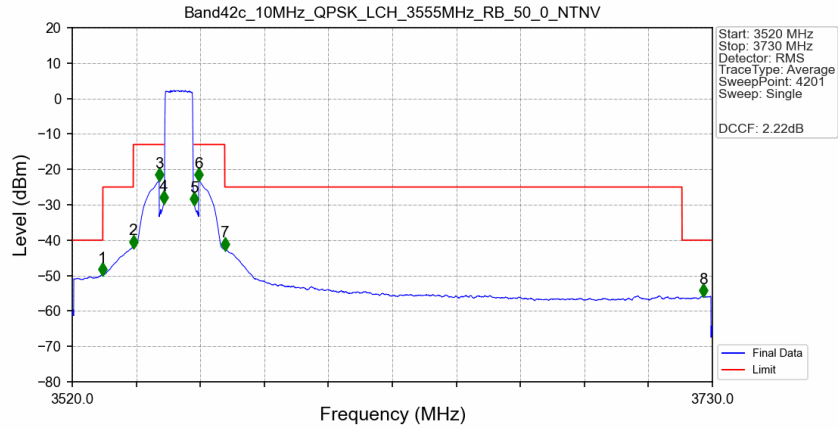
Band42c_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



Band42c_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

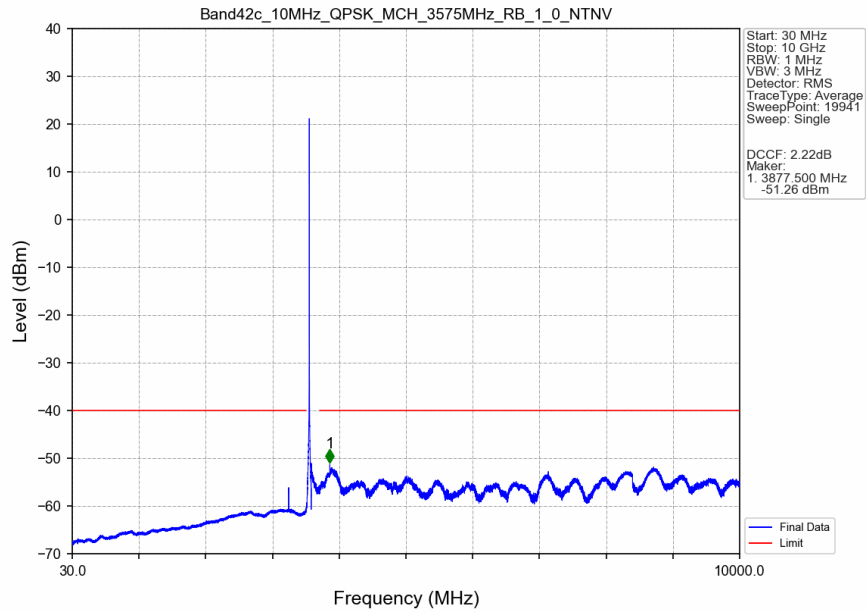


Band42c 10MHz QPSK LCH 3555MHz RB 50 0 NTV

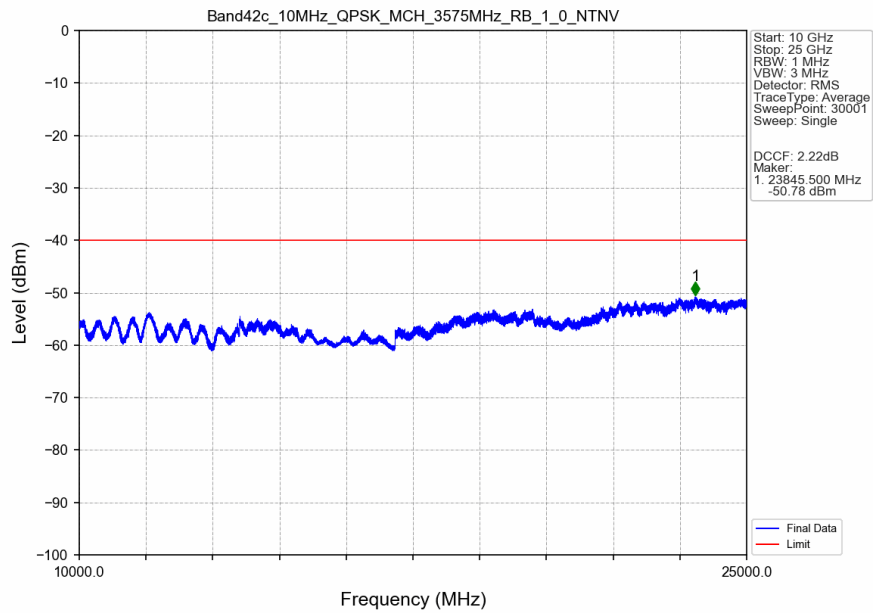


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.850	-49.76	-40	Pass
3530	3540	1	CHP	2	3540.000	-41.98	-25	Pass
3540	3549	1	CHP	3	3548.500	-23.08	-13	Pass
3549	3550	0.112	CHP	4	3549.950	-29.53	-13	Pass
3550	3560	0.112	CHP	/	/	/	/	/
3560	3561	0.112	CHP	5	3560.050	-29.94	-13	Pass
3561	3570	1	CHP	6	3561.500	-23.12	-13	Pass
3570	3720	1	CHP	7	3570.050	-42.64	-25	Pass
3720	3730	1	CHP	8	3726.900	-55.80	-40	Pass

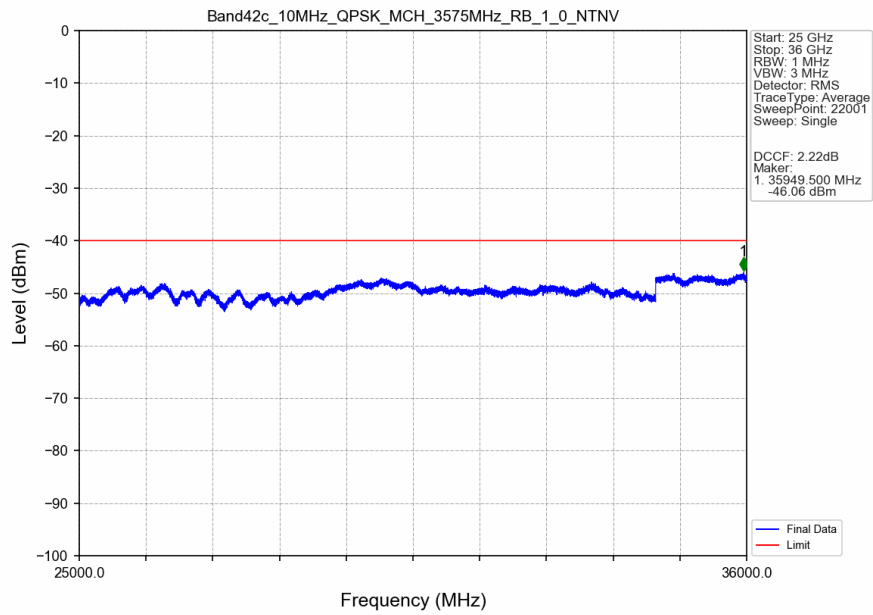
Band42c 10MHz QPSK MCH 3575MHz RB 1 0 NTV



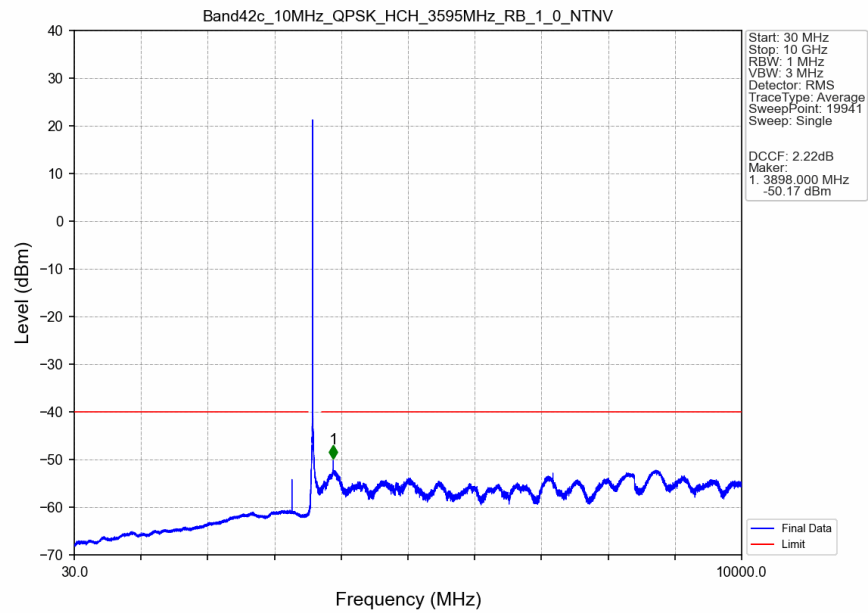
Band42c 10MHz QPSK MCH 3575MHz RB 1 0 NTV



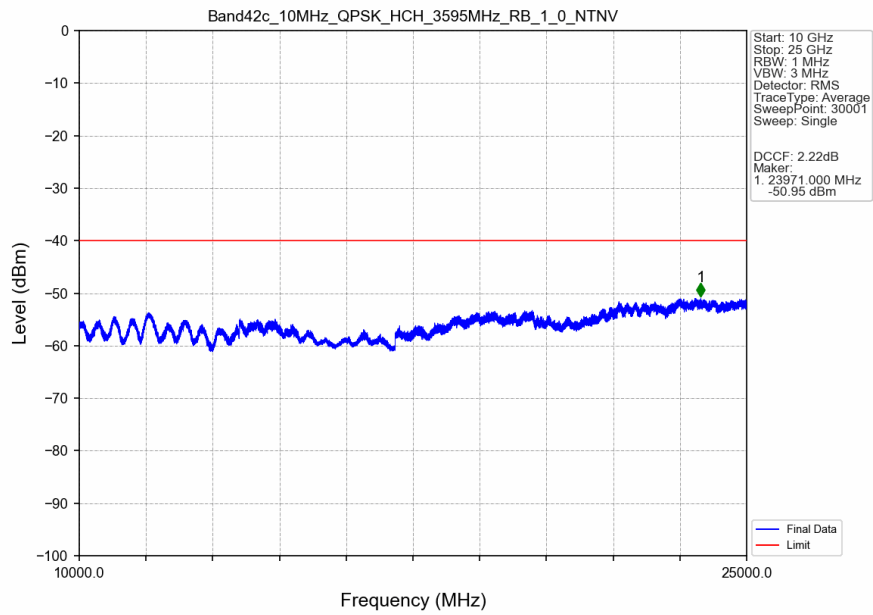
Band42c 10MHz QPSK MCH 3575MHz RB 1 0 NTV



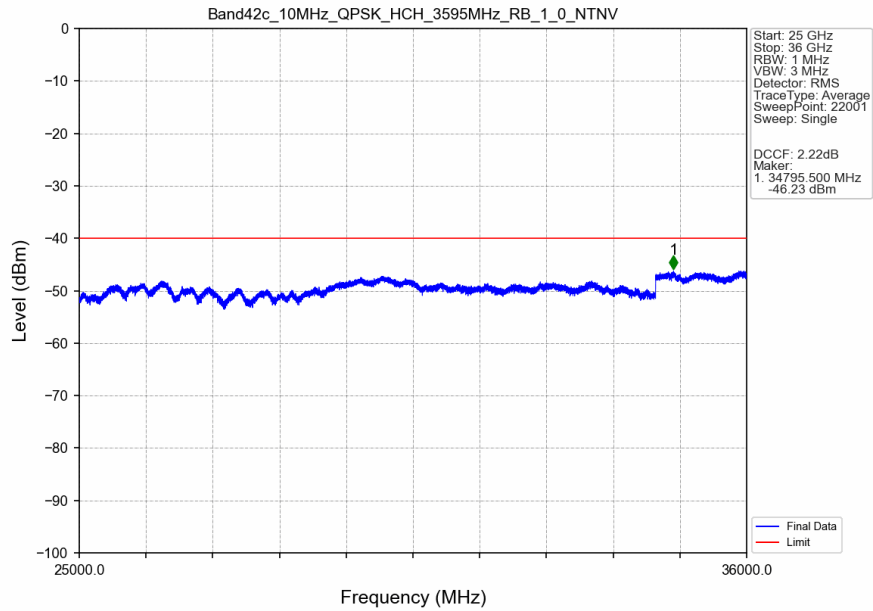
Band42c 10MHz QPSK HCH 3595MHz RB 1 0 NTNV



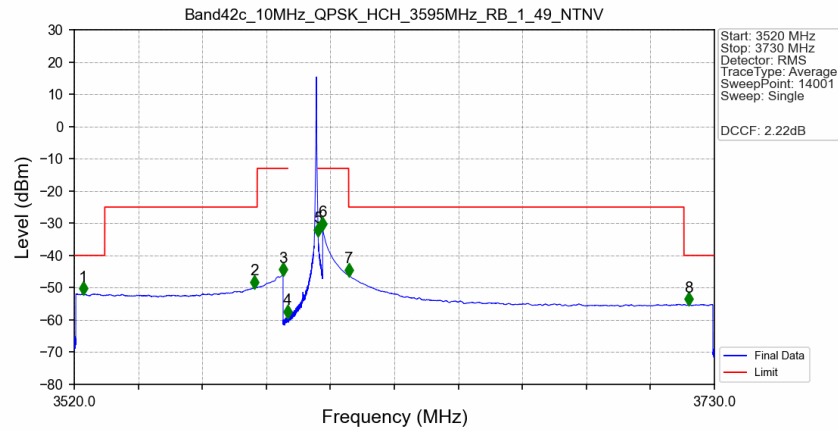
Band42c 10MHz QPSK HCH 3595MHz RB 1 0 NTNV



Band42c 10MHz QPSK HCH 3595MHz RB 1 0 NTNV

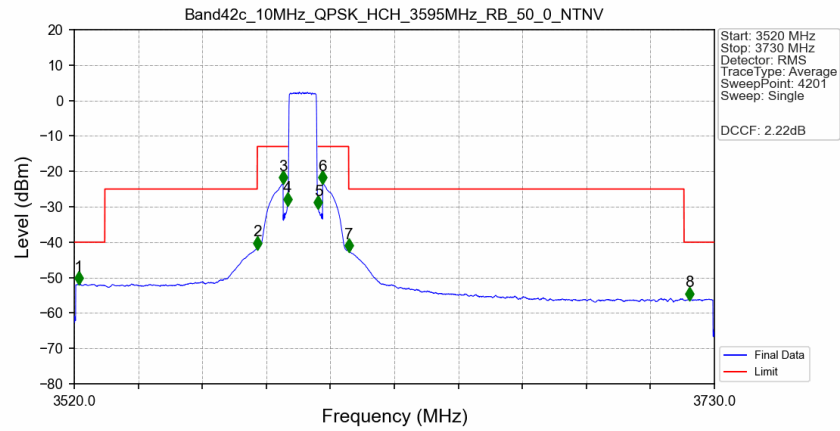


Band42c 10MHz QPSK HCH 3595MHz RB 1 49 NTNV



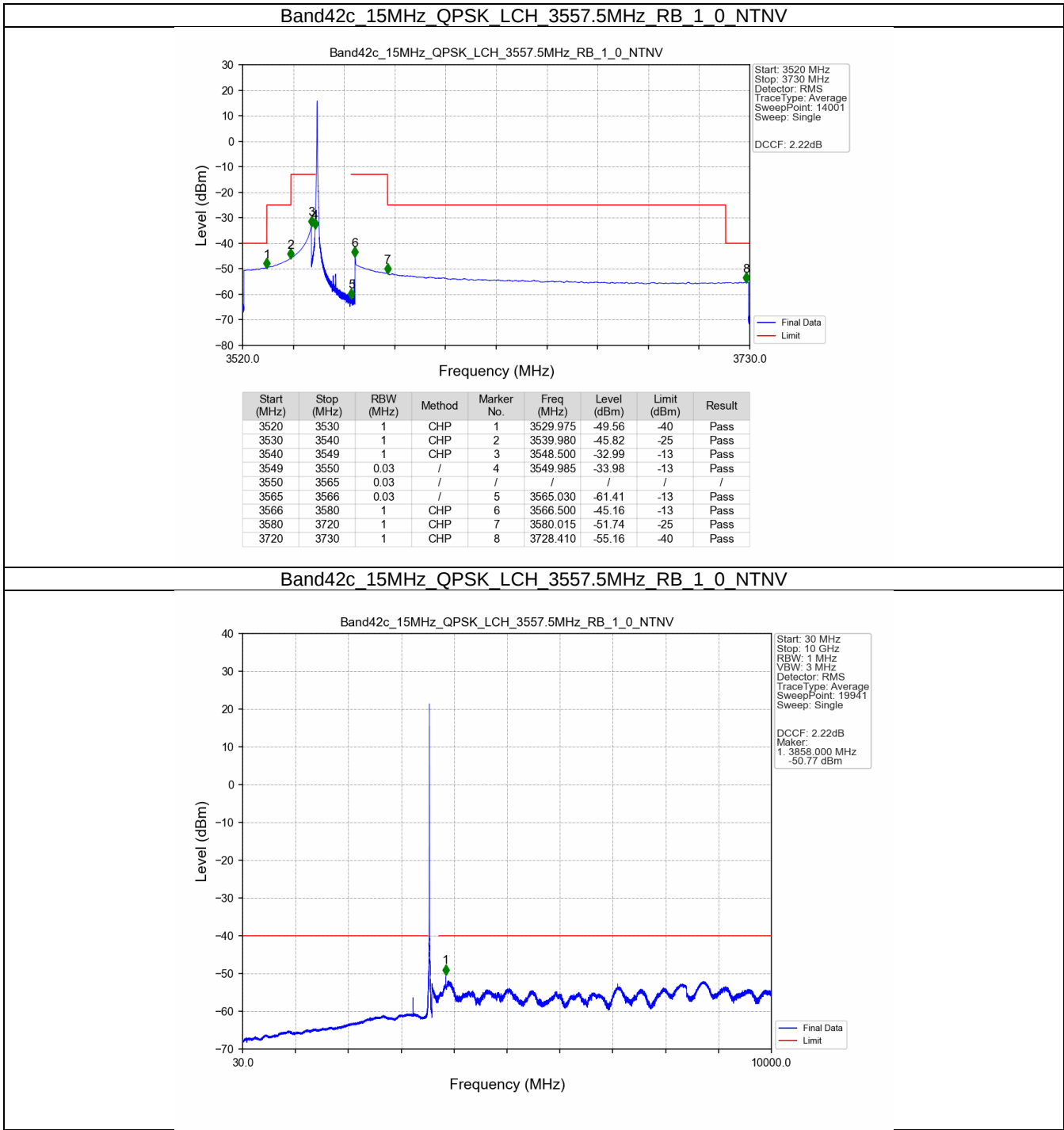
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3522.895	-51.88	-40	Pass
3530	3580	1	CHP	2	3579.160	-49.94	-25	Pass
3580	3589	1	CHP	3	3588.490	-46.00	-13	Pass
3589	3590	0.03	/	4	3589.945	-59.12	-13	Pass
3590	3600	0.03	/	/	/	/	/	/
3600	3601	0.03	/	5	3600.010	-33.70	-13	Pass
3601	3610	1	CHP	6	3601.510	-31.83	-13	Pass
3610	3720	1	CHP	7	3610.015	-46.17	-25	Pass
3720	3730	1	CHP	8	3721.555	-55.17	-40	Pass

Band42c 10MHz QPSK HCH 3595MHz RB 50 0 NTV

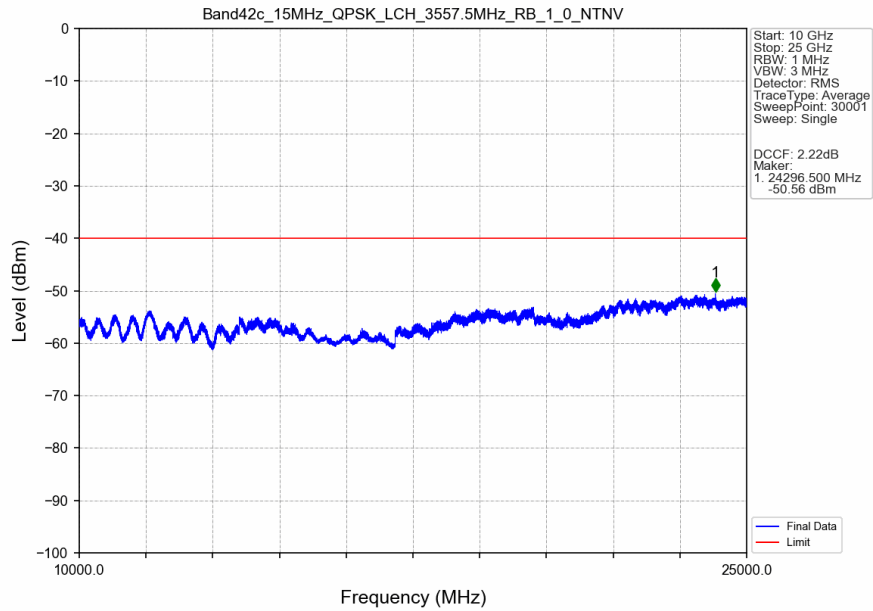


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3521.400	-51.77	-40	Pass
3530	3580	1	CHP	2	3580.000	-41.77	-25	Pass
3580	3589	1	CHP	3	3588.500	-23.32	-13	Pass
3589	3590	0.112	CHP	4	3589.950	-29.40	-13	Pass
3590	3600	0.112	CHP	/	/	/	/	/
3600	3601	0.112	CHP	5	3600.050	-30.37	-13	Pass
3601	3610	1	CHP	6	3601.500	-23.33	-13	Pass
3610	3720	1	CHP	7	3610.050	-42.49	-25	Pass
3720	3730	1	CHP	8	3721.750	-56.07	-40	Pass

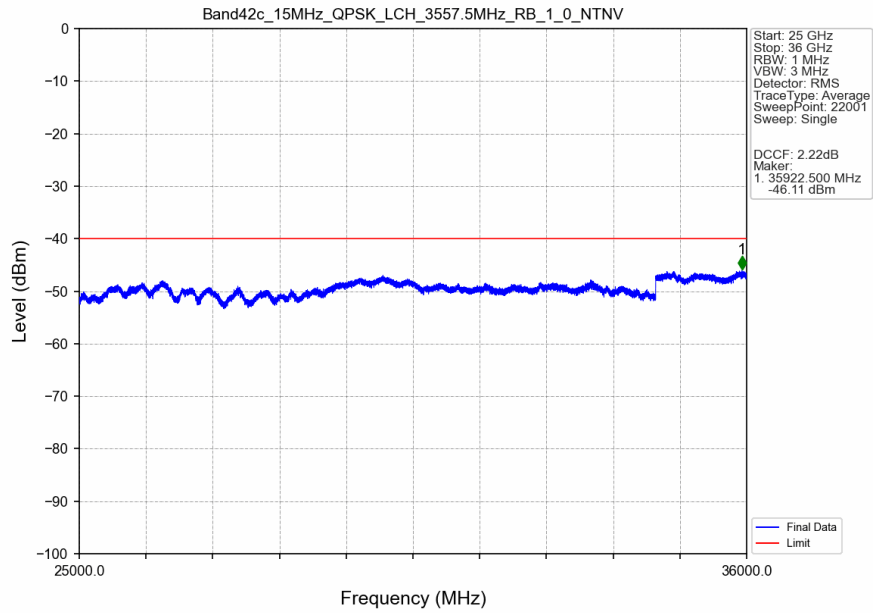
5.2.3 B42c_15MHz



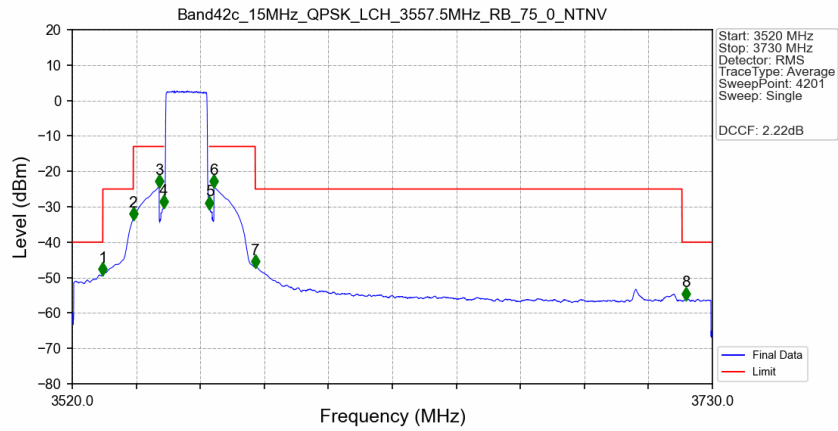
Band42c 15MHz QPSK LCH 3557.5MHz RB 1 0 NTNV



Band42c 15MHz QPSK LCH 3557.5MHz RB 1 0 NTNV

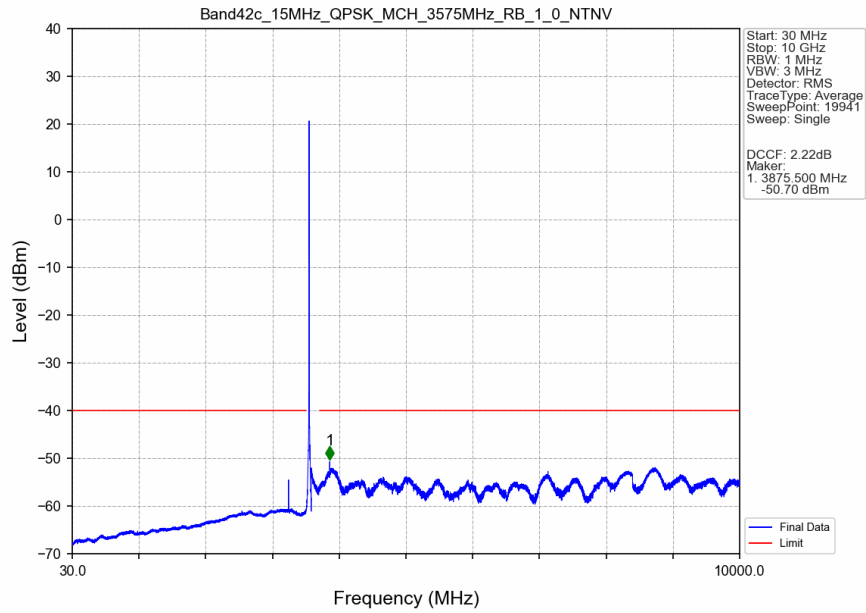


Band42c 15MHz QPSK LCH 3557.5MHz RB 75 0 NTV

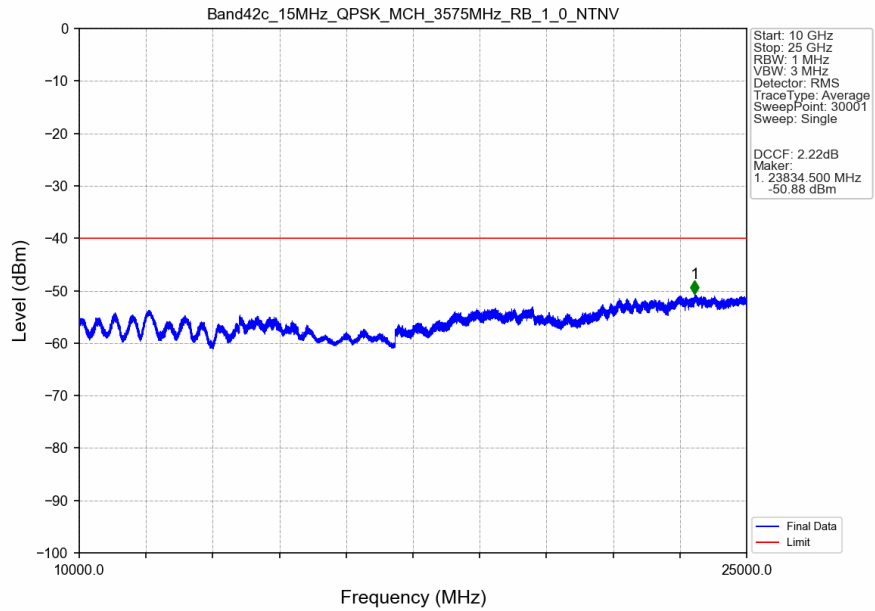


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3530.000	-49.14	-40	Pass
3530	3540	1	CHP	2	3540.000	-33.50	-25	Pass
3540	3549	1	CHP	3	3548.500	-24.34	-13	Pass
3549	3550	0.168	CHP	4	3549.950	-30.17	-13	Pass
3550	3565	0.168	CHP	/	/	/	/	/
3565	3566	0.168	CHP	5	3565.050	-30.45	-13	Pass
3566	3580	1	CHP	6	3566.500	-24.39	-13	Pass
3580	3720	1	CHP	7	3580.050	-46.94	-25	Pass
3720	3730	1	CHP	8	3721.250	-56.11	-40	Pass

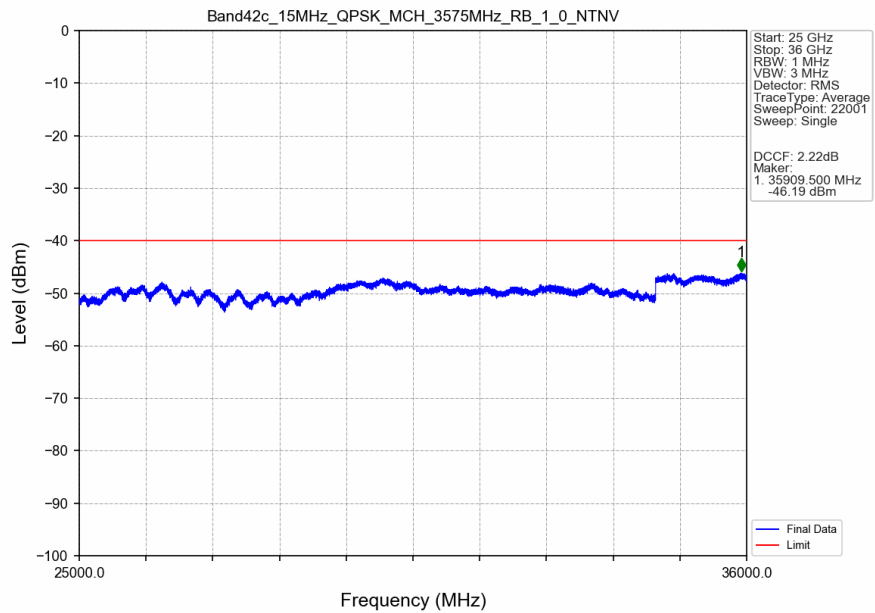
Band42c 15MHz QPSK MCH 3575MHz RB 1 0 NTV



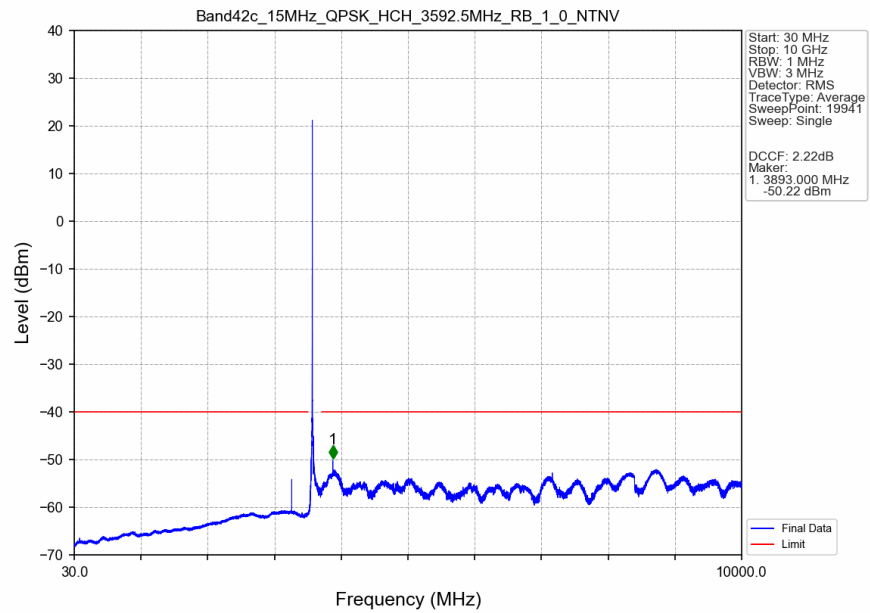
Band42c 15MHz QPSK MCH 3575MHz RB 1 0 NTNV



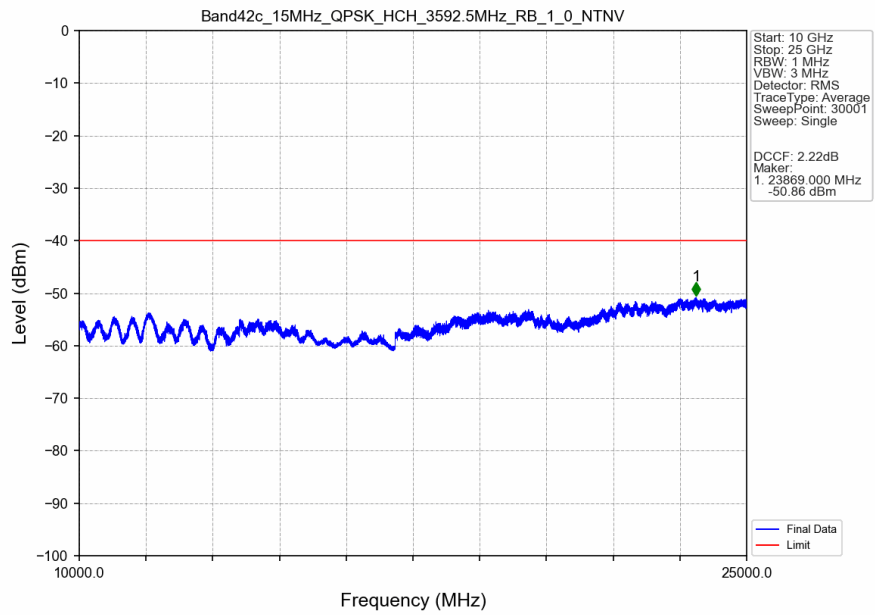
Band42c 15MHz QPSK MCH 3575MHz RB 1 0 NTNV



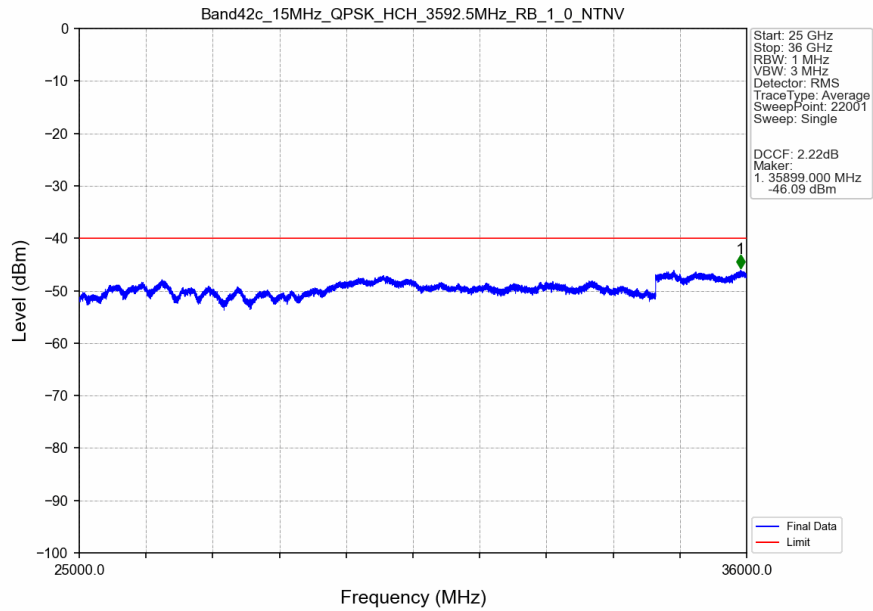
Band42c_15MHz_QPSK_HCH_3592.5MHz_RB_1_0_NTNV



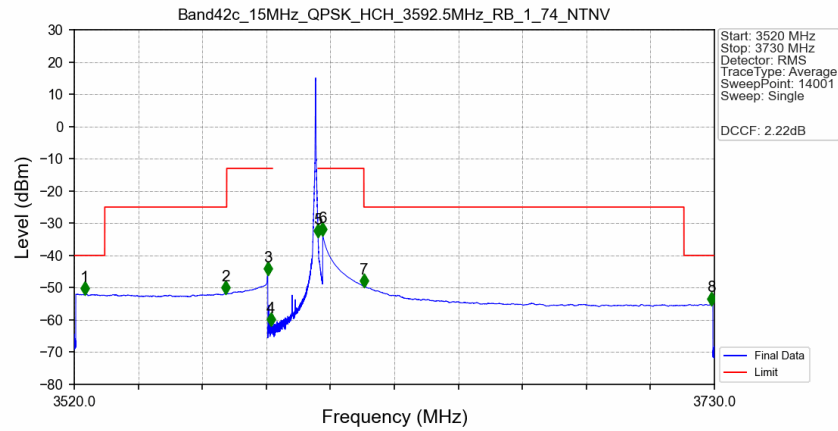
Band42c_15MHz_QPSK_HCH_3592.5MHz_RB_1_0_NTNV



Band42c 15MHz QPSK HCH 3592.5MHz RB 1 0 NTNV

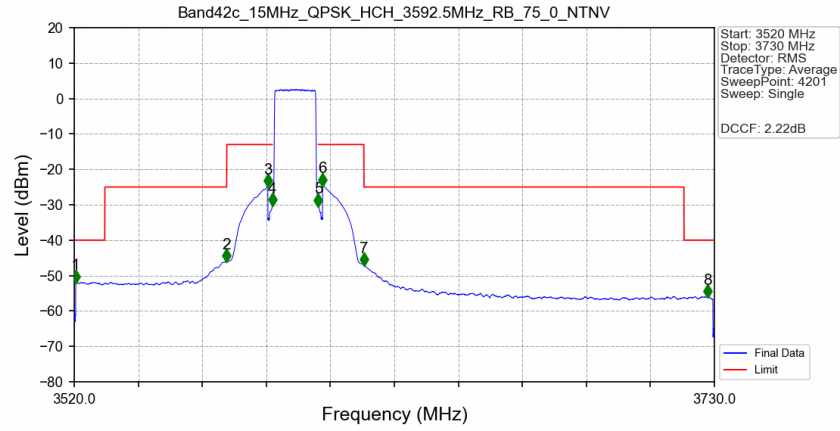


Band42c 15MHz QPSK HCH 3592.5MHz RB 1 74 NTNV



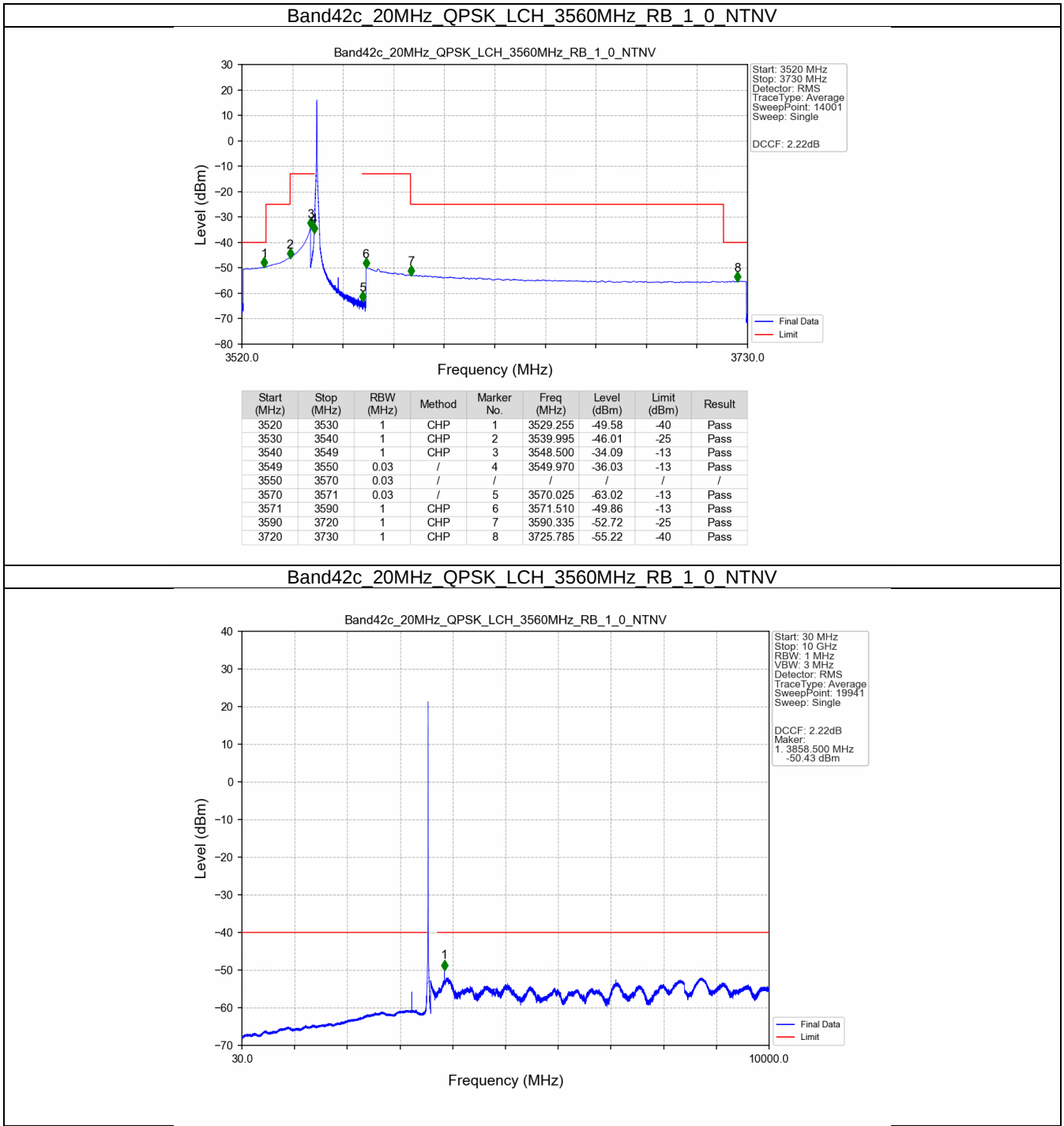
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.480	-51.96	-40	Pass
3530	3570	1	CHP	2	3569.665	-51.74	-25	Pass
3570	3584	1	CHP	3	3583.480	-45.86	-13	Pass
3584	3585	0.03	/	4	3584.440	-61.55	-13	Pass
3585	3600	0.03	/	/	/	/	/	/
3600	3601	0.03	/	5	3600.010	-34.07	-13	Pass
3601	3615	1	CHP	6	3601.510	-33.62	-13	Pass
3615	3720	1	CHP	7	3615.025	-49.52	-25	Pass
3720	3730	1	CHP	8	3729.115	-55.13	-40	Pass

Band42c 15MHz QPSK HCH 3592.5MHz RB 75 0 NTN

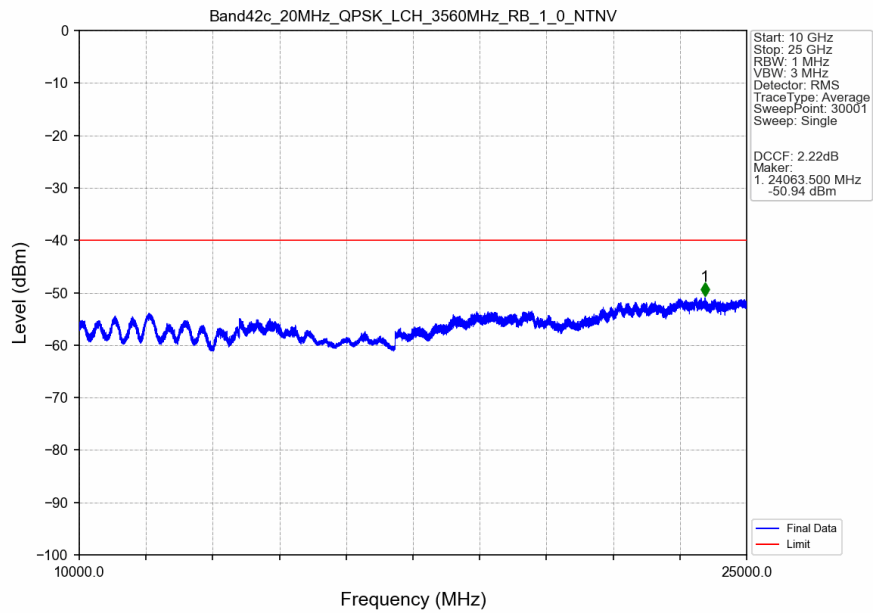


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3520.500	-51.82	-40	Pass
3530	3570	1	CHP	2	3570.000	-45.93	-25	Pass
3570	3584	1	CHP	3	3583.500	-24.74	-13	Pass
3584	3585	0.168	CHP	4	3584.950	-30.15	-13	Pass
3585	3600	0.168	CHP	/	/	/	/	/
3600	3601	0.168	CHP	5	3600.050	-30.24	-13	Pass
3601	3615	1	CHP	6	3601.500	-24.45	-13	Pass
3615	3720	1	CHP	7	3615.050	-47.02	-25	Pass
3720	3730	1	CHP	8	3727.750	-55.94	-40	Pass

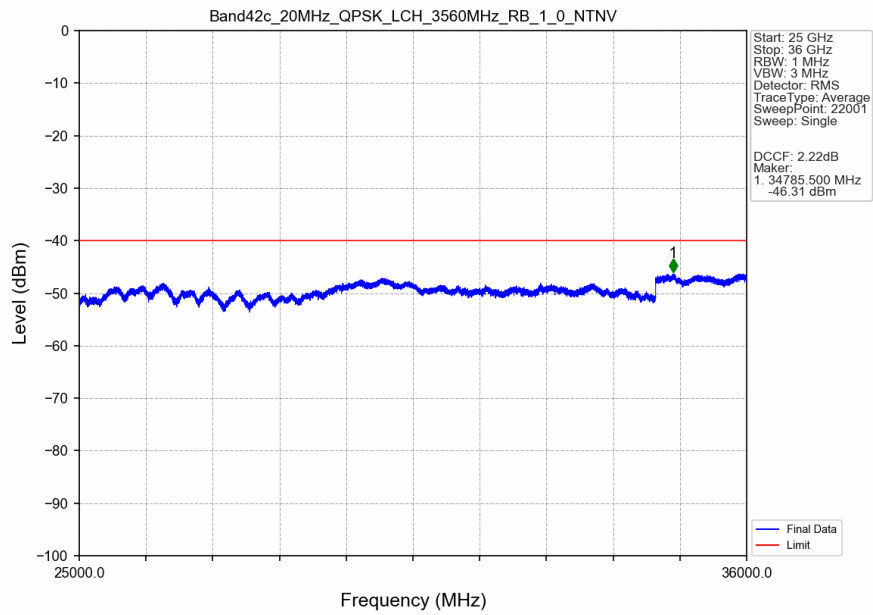
5.2.4 B42c_20MHz



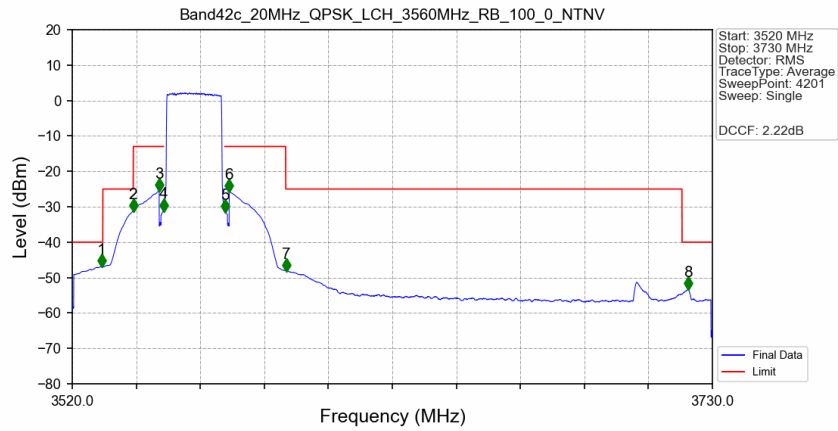
Band42c_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV



Band42c_20MHz_QPSK_LCH_3560MHz_RB_1_0_NTNV

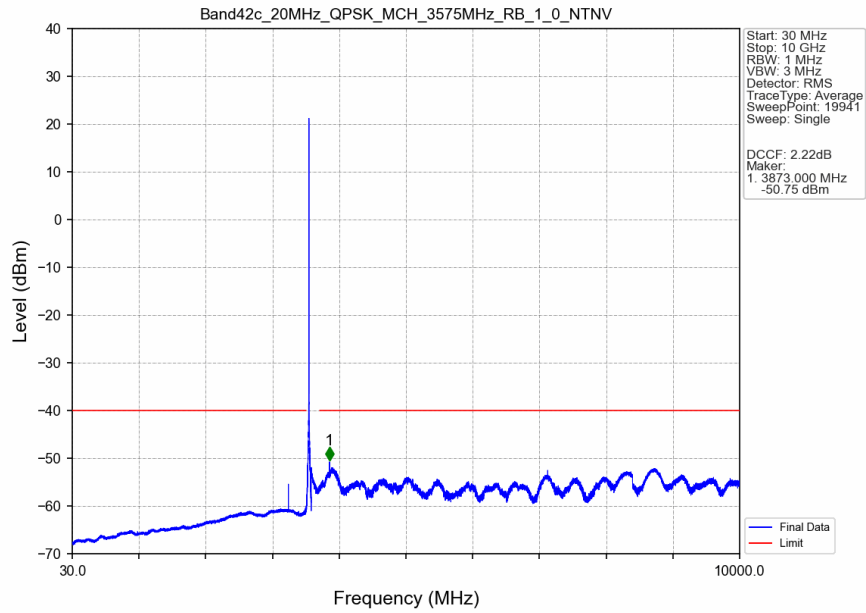


Band42c 20MHz QPSK LCH 3560MHz RB 100 0 NTNV

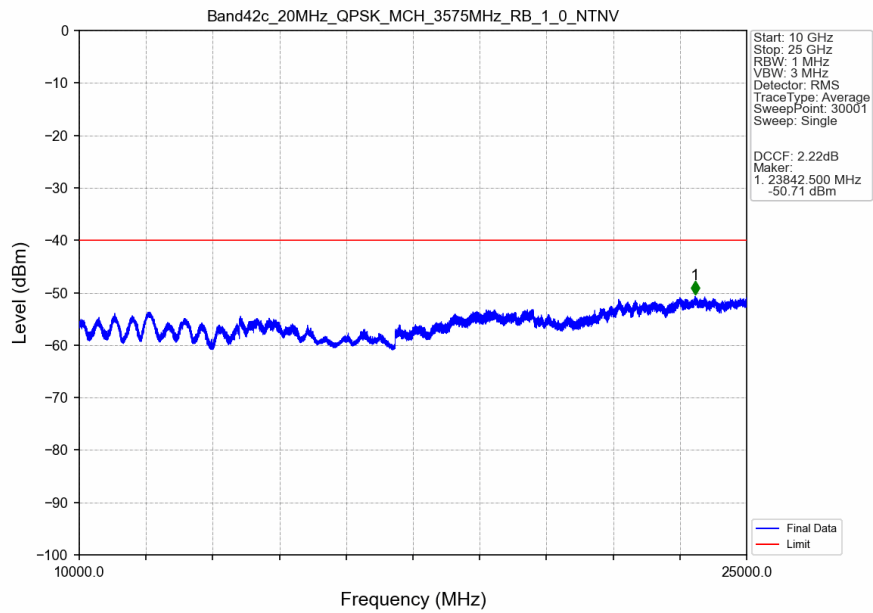


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3529.600	-46.77	-40	Pass
3530	3540	1	CHP	2	3540.000	-31.17	-25	Pass
3540	3549	1	CHP	3	3548.500	-25.35	-13	Pass
3549	3550	0.193	CHP	4	3549.950	-31.08	-13	Pass
3550	3570	0.193	CHP	/	/	/	/	/
3570	3571	0.193	CHP	5	3570.050	-31.38	-13	Pass
3571	3590	1	CHP	6	3571.500	-25.60	-13	Pass
3590	3720	1	CHP	7	3590.150	-48.00	-25	Pass
3720	3730	1	CHP	8	3722.050	-53.17	-40	Pass

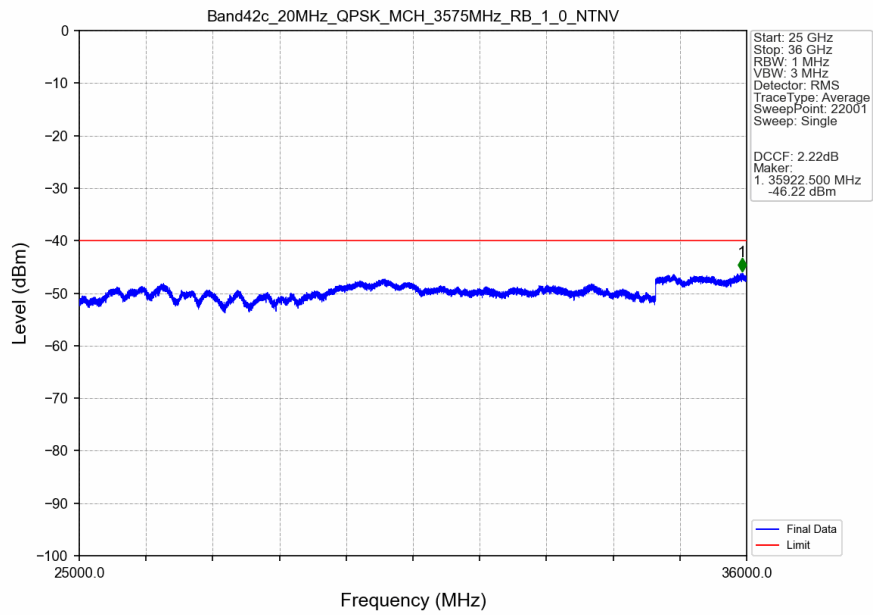
Band42c 20MHz QPSK MCH 3575MHz RB 1 0 NTNV



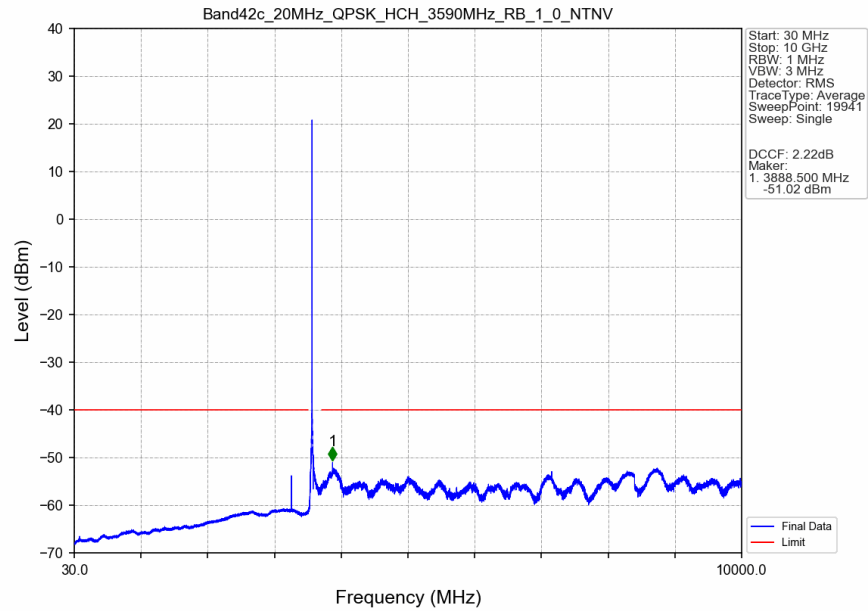
Band42c 20MHz QPSK MCH 3575MHz RB 1 0 NTV



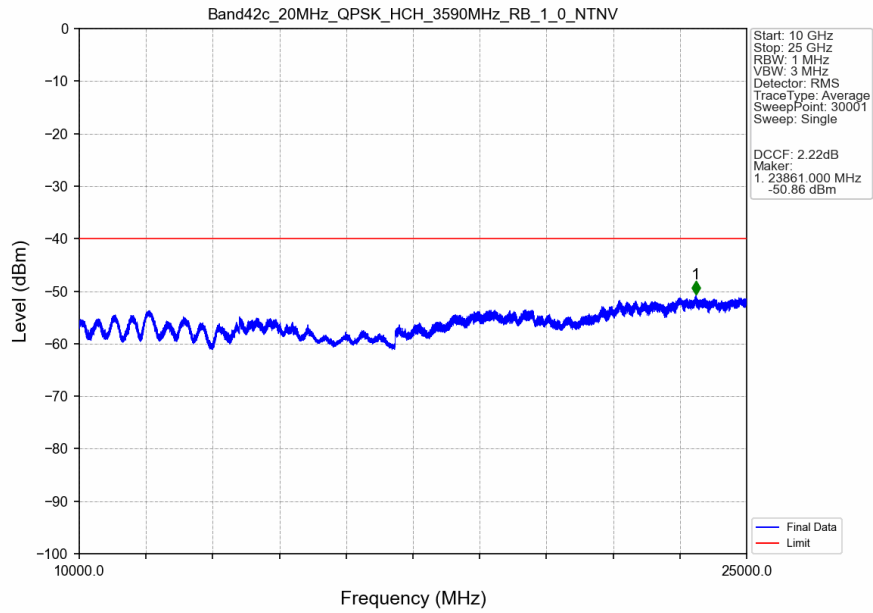
Band42c 20MHz QPSK MCH 3575MHz RB 1 0 NTV



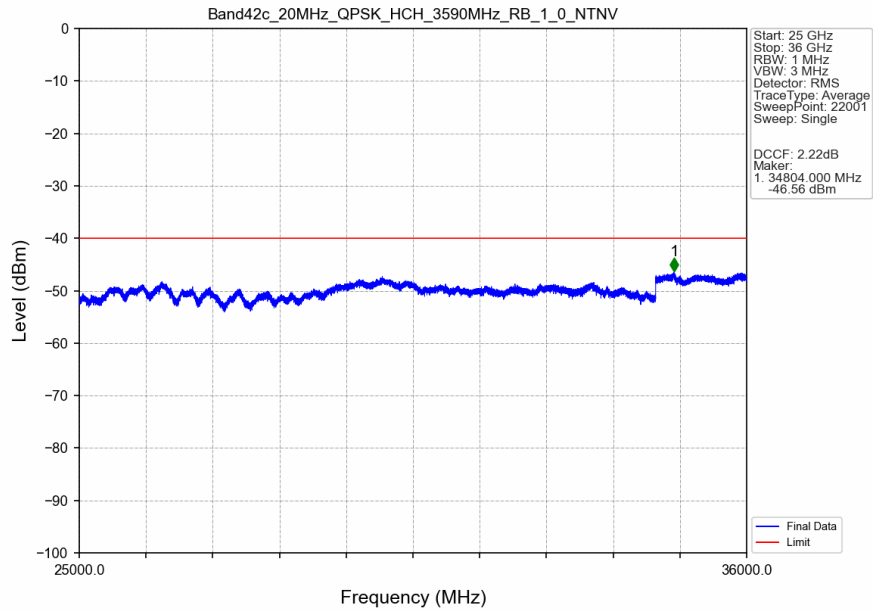
Band42c 20MHz QPSK HCH 3590MHz RB 1 0 NTNV



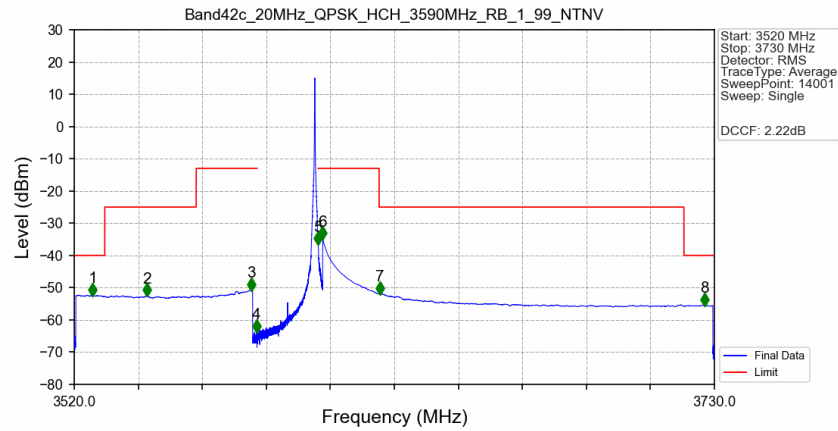
Band42c 20MHz QPSK HCH 3590MHz RB 1 0 NTNV



Band42c 20MHz QPSK HCH 3590MHz RB 1 0 NTNV

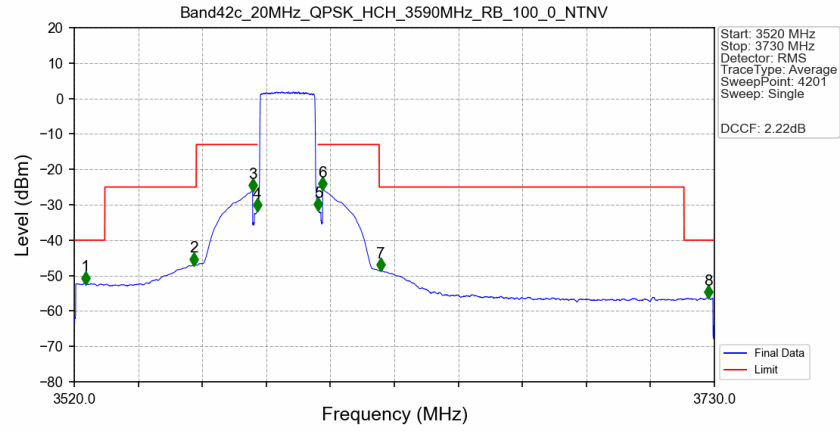


Band42c 20MHz QPSK HCH 3590MHz RB 1 99 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3526.075	-52.27	-40	Pass
3530	3560	1	CHP	2	3543.925	-52.47	-25	Pass
3560	3579	1	CHP	3	3578.005	-50.66	-13	Pass
3579	3580	0.03	/	4	3579.745	-63.56	-13	Pass
3580	3600	0.03	/	/	/	/	/	/
3600	3601	0.03	/	5	3600.010	-36.38	-13	Pass
3601	3620	1	CHP	6	3601.510	-34.73	-13	Pass
3620	3720	1	CHP	7	3620.320	-51.81	-25	Pass
3720	3730	1	CHP	8	3726.700	-55.36	-40	Pass

Band42c 20MHz QPSK HCH 3590MHz RB 100 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3530	1	CHP	1	3523.650	-52.24	-40	Pass
3530	3560	1	CHP	2	3559.300	-46.91	-25	Pass
3560	3579	1	CHP	3	3578.500	-25.99	-13	Pass
3579	3580	0.193	CHP	4	3579.950	-31.63	-13	Pass
3580	3600	0.193	CHP	/	/	/	/	/
3600	3601	0.193	CHP	5	3600.050	-31.47	-13	Pass
3601	3620	1	CHP	6	3601.500	-25.60	-13	Pass
3620	3720	1	CHP	7	3620.600	-48.53	-25	Pass
3720	3730	1	CHP	8	3727.900	-56.21	-40	Pass

6. Adjacent Channel Leakage Ratio

6.1 Test Result

6.1.1 B42c_5MHz

Band: 42c / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3597.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3597.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	3552.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3597.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B42c_10MHz

Band: 42c / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3595	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	3555	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

64QAM	3595	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3555	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3575	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	3595	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

6.1.3 B42c_15MHz

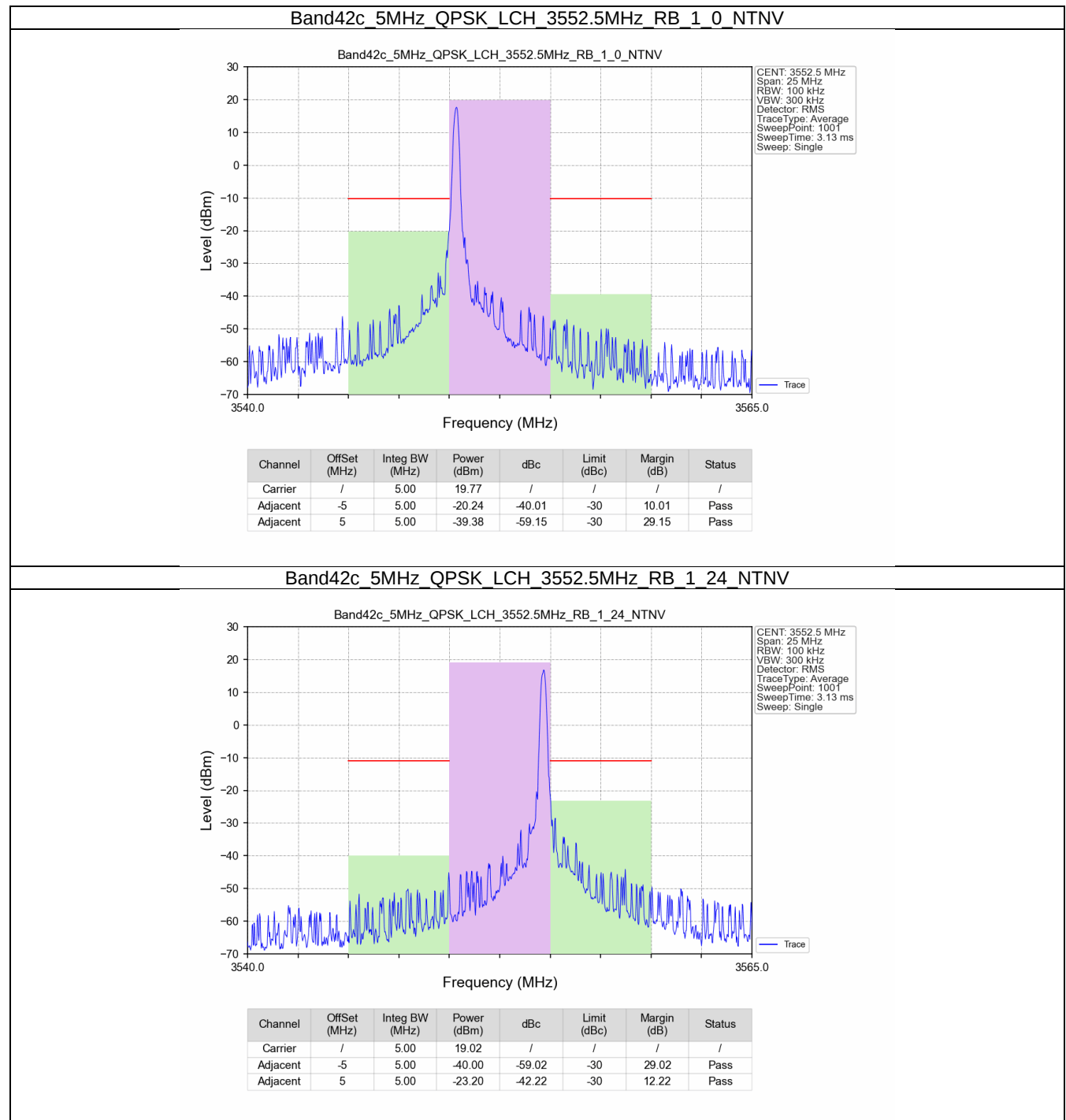
Band: 42c / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3557.5	1	0	Refer To Test Graph	Pass	
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
	3575	1	0	Refer To Test Graph	Pass	
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
	3592.5	1	0	Refer To Test Graph	Pass	
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
16QAM	3557.5	1	0	Refer To Test Graph	Pass	
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
	3575	1	0	Refer To Test Graph	Pass	
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
	3592.5	1	0	Refer To Test Graph	Pass	
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
64QAM	3557.5	1	0	Refer To Test Graph	Pass	
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
	3575	1	0	Refer To Test Graph	Pass	
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	
	3592.5	1	0	Refer To Test Graph	Pass	
			74	Refer To Test Graph	Pass	
		75	0	Refer To Test Graph	Pass	

6.1.4 B42c_20MHz

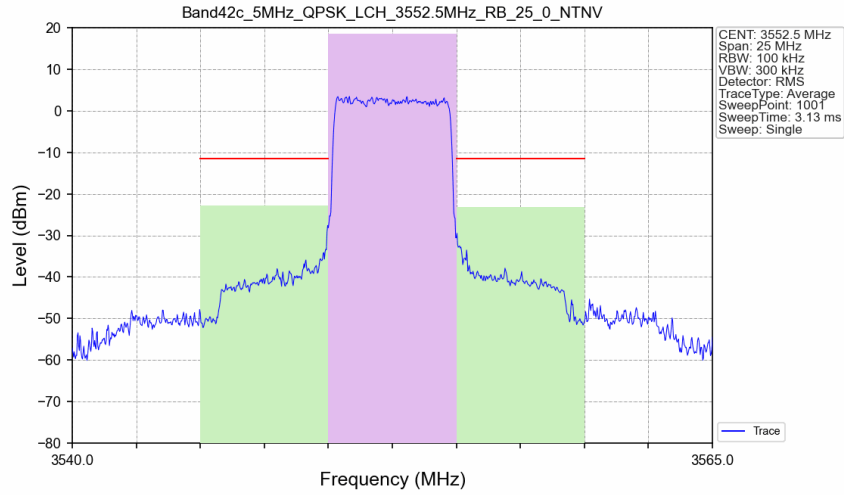
Band: 42c / Bandwidth: 20MHz / NTN/V						
Modulation	Frequency (MHz)	RB Allocation		Adjacent Channel Leakage Ratio		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	3575	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass

		100	0	Refer To Test Graph	Pass
	3590	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
16QAM	3560	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3575	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	3590	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	64QAM	3560	1	0	Refer To Test Graph
99				Refer To Test Graph	Pass
100			0	Refer To Test Graph	Pass
3575		1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
3590		1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

6.2.1 B42c_5MHz

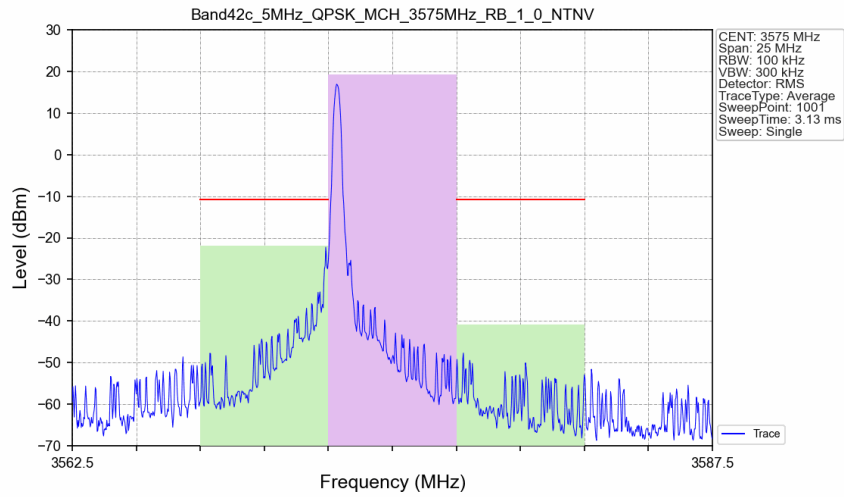


Band42c 5MHz QPSK LCH 3552.5MHz RB 25 0 NTNV



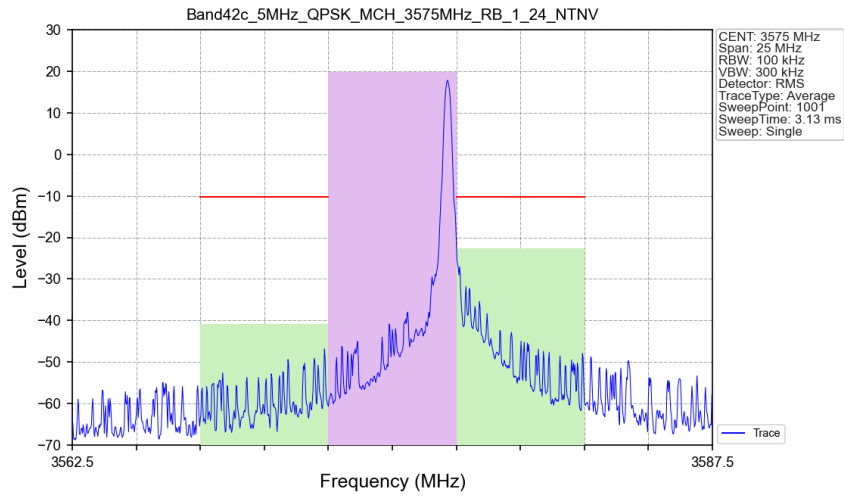
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.53	/	/	/	/
Adjacent	-5	5.00	-22.79	-41.32	-30	11.32	Pass
Adjacent	5	5.00	-23.18	-41.71	-30	11.71	Pass

Band42c 5MHz QPSK MCH 3575MHz RB 1 0 NTNV



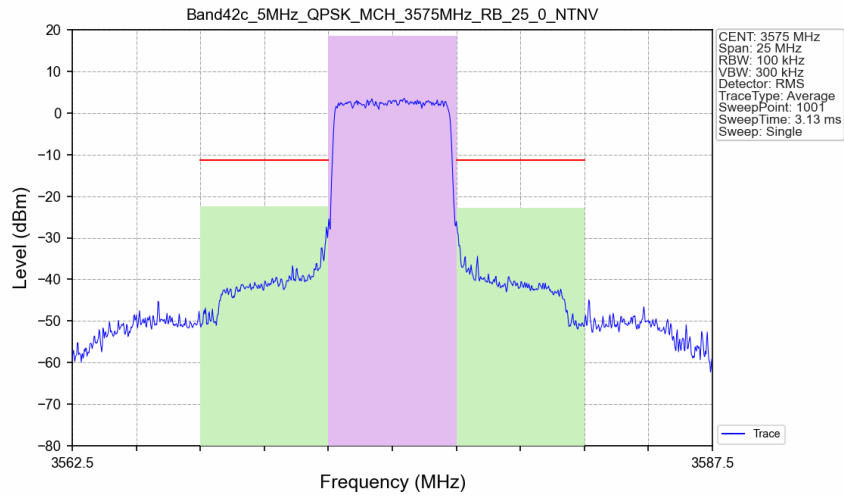
Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	19.19	/	/	/	/
Adjacent	-5	5.00	-21.85	-41.04	-30	11.04	Pass
Adjacent	5	5.00	-40.90	-60.09	-30	30.09	Pass

Band42c 5MHz QPSK MCH 3575MHz RB 1 24 NTV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	19.82	/	/	/	/
Adjacent	-5	5.00	-40.77	-60.59	-30	30.59	Pass
Adjacent	5	5.00	-22.72	-42.54	-30	12.54	Pass

Band42c 5MHz QPSK MCH 3575MHz RB 25 0 NTV



Channel	OffSet (MHz)	Integ BW (MHz)	Power (dBm)	dBc	Limit (dBc)	Margin (dB)	Status
Carrier	/	5.00	18.60	/	/	/	/
Adjacent	-5	5.00	-22.41	-41.01	-30	11.01	Pass
Adjacent	5	5.00	-22.85	-41.45	-30	11.45	Pass