

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B38_5MHz_EIRP

Band: 38 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	23.97	3.00	26.97	<=33.01	Pass
			13	23.98	3.00	26.98	<=33.01	Pass
			24	23.92	3.00	26.92	<=33.01	Pass
		12	0	23.04	3.00	26.04	<=33.01	Pass
			6	23.03	3.00	26.03	<=33.01	Pass
			13	23.02	3.00	26.02	<=33.01	Pass
		25	0	23.03	3.00	26.03	<=33.01	Pass
	2595	1	0	23.88	3.00	26.88	<=33.01	Pass
			13	23.96	3.00	26.96	<=33.01	Pass
			24	23.87	3.00	26.87	<=33.01	Pass
		12	0	22.99	3.00	25.99	<=33.01	Pass
			6	23.03	3.00	26.03	<=33.01	Pass
			13	22.99	3.00	25.99	<=33.01	Pass
		25	0	22.94	3.00	25.94	<=33.01	Pass
	2617.5	1	0	23.82	3.00	26.82	<=33.01	Pass
			13	23.86	3.00	26.86	<=33.01	Pass
			24	23.79	3.00	26.79	<=33.01	Pass
		12	0	22.93	3.00	25.93	<=33.01	Pass
			6	22.92	3.00	25.92	<=33.01	Pass
			13	22.90	3.00	25.90	<=33.01	Pass
		25	0	22.92	3.00	25.92	<=33.01	Pass
16QAM	2572.5	1	0	23.08	3.00	26.08	<=33.01	Pass
			13	23.04	3.00	26.04	<=33.01	Pass
			24	23.10	3.00	26.10	<=33.01	Pass
		12	0	22.02	3.00	25.02	<=33.01	Pass
			6	22.07	3.00	25.07	<=33.01	Pass
			13	22.04	3.00	25.04	<=33.01	Pass
		25	0	22.02	3.00	25.02	<=33.01	Pass
	2595	1	0	22.98	3.00	25.98	<=33.01	Pass
			13	23.05	3.00	26.05	<=33.01	Pass
			24	22.90	3.00	25.90	<=33.01	Pass
		12	0	22.02	3.00	25.02	<=33.01	Pass
			6	22.04	3.00	25.04	<=33.01	Pass
			13	22.04	3.00	25.04	<=33.01	Pass
		25	0	21.98	3.00	24.98	<=33.01	Pass
	2617.5	1	0	22.90	3.00	25.90	<=33.01	Pass
			13	22.83	3.00	25.83	<=33.01	Pass
			24	22.78	3.00	25.78	<=33.01	Pass
		12	0	21.96	3.00	24.96	<=33.01	Pass
			6	21.99	3.00	24.99	<=33.01	Pass
			13	21.87	3.00	24.87	<=33.01	Pass
		25	0	21.93	3.00	24.93	<=33.01	Pass
64QAM	2572.5	1	0	22.90	3.00	25.90	<=33.01	Pass
			13	22.91	3.00	25.91	<=33.01	Pass
			24	22.96	3.00	25.96	<=33.01	Pass
		12	0	22.08	3.00	25.08	<=33.01	Pass
			6	22.05	3.00	25.05	<=33.01	Pass

			13	22.04	3.00	25.04	<=33.01	Pass
		25	0	22.06	3.00	25.06	<=33.01	Pass
	2595	1	0	22.83	3.00	25.83	<=33.01	Pass
			13	22.97	3.00	25.97	<=33.01	Pass
			24	22.76	3.00	25.76	<=33.01	Pass
		12	0	21.99	3.00	24.99	<=33.01	Pass
			6	22.09	3.00	25.09	<=33.01	Pass
			13	21.97	3.00	24.97	<=33.01	Pass
		25	0	21.91	3.00	24.91	<=33.01	Pass
	2617.5	1	0	22.92	3.00	25.92	<=33.01	Pass
			13	22.85	3.00	25.85	<=33.01	Pass
			24	22.76	3.00	25.76	<=33.01	Pass
		12	0	21.89	3.00	24.89	<=33.01	Pass
			6	21.95	3.00	24.95	<=33.01	Pass
			13	21.93	3.00	24.93	<=33.01	Pass
		25	0	21.92	3.00	24.92	<=33.01	Pass
	Note1: EIRP=Conducted Power+Antenna Gain							

1.1.2 B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	23.97	3.00	26.97	<=33.01	Pass
			25	23.98	3.00	26.98	<=33.01	Pass
			49	23.97	3.00	26.97	<=33.01	Pass
		25	0	23.04	3.00	26.04	<=33.01	Pass
			13	23.11	3.00	26.11	<=33.01	Pass
			25	23.06	3.00	26.06	<=33.01	Pass
		50	0	23.10	3.00	26.10	<=33.01	Pass
	2595	1	0	23.95	3.00	26.95	<=33.01	Pass
			25	23.93	3.00	26.93	<=33.01	Pass
			49	23.83	3.00	26.83	<=33.01	Pass
		25	0	23.02	3.00	26.02	<=33.01	Pass
			13	22.99	3.00	25.99	<=33.01	Pass
			25	23.05	3.00	26.05	<=33.01	Pass
		50	0	23.01	3.00	26.01	<=33.01	Pass
	2615	1	0	23.88	3.00	26.88	<=33.01	Pass
			25	23.89	3.00	26.89	<=33.01	Pass
			49	23.80	3.00	26.80	<=33.01	Pass
		25	0	22.98	3.00	25.98	<=33.01	Pass
			13	22.97	3.00	25.97	<=33.01	Pass
			25	22.95	3.00	25.95	<=33.01	Pass
		50	0	22.96	3.00	25.96	<=33.01	Pass
16QAM	2575	1	0	23.02	3.00	26.02	<=33.01	Pass
			25	23.05	3.00	26.05	<=33.01	Pass
			49	22.90	3.00	25.90	<=33.01	Pass
		25	0	22.07	3.00	25.07	<=33.01	Pass
			13	22.06	3.00	25.06	<=33.01	Pass
			25	22.09	3.00	25.09	<=33.01	Pass
		50	0	22.14	3.00	25.14	<=33.01	Pass
	2595	1	0	23.03	3.00	26.03	<=33.01	Pass
			25	23.06	3.00	26.06	<=33.01	Pass
			49	22.93	3.00	25.93	<=33.01	Pass
		25	0	22.04	3.00	25.04	<=33.01	Pass
			13	22.03	3.00	25.03	<=33.01	Pass
			25	22.05	3.00	25.05	<=33.01	Pass
		50	0	22.01	3.00	25.01	<=33.01	Pass

	2615	1	0	22.93	3.00	25.93	<=33.01	Pass		
			25	22.88	3.00	25.88	<=33.01	Pass		
			49	22.80	3.00	25.80	<=33.01	Pass		
		25	0	21.96	3.00	24.96	<=33.01	Pass		
			13	22.01	3.00	25.01	<=33.01	Pass		
			25	21.95	3.00	24.95	<=33.01	Pass		
		50	0	22.02	3.00	25.02	<=33.01	Pass		
		64QAM	2575	1	0	22.94	3.00	25.94	<=33.01	Pass
					25	23.00	3.00	26.00	<=33.01	Pass
49	22.89				3.00	25.89	<=33.01	Pass		
25	0			22.04	3.00	25.04	<=33.01	Pass		
	13			22.09	3.00	25.09	<=33.01	Pass		
	25			22.10	3.00	25.10	<=33.01	Pass		
50	0			22.09	3.00	25.09	<=33.01	Pass		
2595	1			0	23.00	3.00	26.00	<=33.01	Pass	
				25	23.08	3.00	26.08	<=33.01	Pass	
			49	22.88	3.00	25.88	<=33.01	Pass		
	25		0	21.99	3.00	24.99	<=33.01	Pass		
			13	22.01	3.00	25.01	<=33.01	Pass		
			25	22.03	3.00	25.03	<=33.01	Pass		
	50		0	21.99	3.00	24.99	<=33.01	Pass		
	2615		1	0	22.84	3.00	25.84	<=33.01	Pass	
				25	22.89	3.00	25.89	<=33.01	Pass	
49				22.90	3.00	25.90	<=33.01	Pass		
25			0	21.98	3.00	24.98	<=33.01	Pass		
			13	21.99	3.00	24.99	<=33.01	Pass		
			25	21.94	3.00	24.94	<=33.01	Pass		
50			0	21.93	3.00	24.93	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.3 B38_15MHz_EIRP

Band: 38 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	23.99	3.00	26.99	<=33.01	Pass
			38	23.96	3.00	26.96	<=33.01	Pass
			74	23.97	3.00	26.97	<=33.01	Pass
		36	0	23.08	3.00	26.08	<=33.01	Pass
			18	23.16	3.00	26.16	<=33.01	Pass
			39	23.09	3.00	26.09	<=33.01	Pass
		75	0	23.12	3.00	26.12	<=33.01	Pass
	2595	1	0	23.94	3.00	26.94	<=33.01	Pass
			38	23.95	3.00	26.95	<=33.01	Pass
			74	23.86	3.00	26.86	<=33.01	Pass
		36	0	23.06	3.00	26.06	<=33.01	Pass
			18	23.03	3.00	26.03	<=33.01	Pass
			39	23.06	3.00	26.06	<=33.01	Pass
		75	0	23.01	3.00	26.01	<=33.01	Pass
	2612.5	1	0	23.9	3.00	26.9	<=33.01	Pass
			38	23.87	3.00	26.87	<=33.01	Pass
			74	23.83	3.00	26.83	<=33.01	Pass
		36	0	22.94	3.00	25.94	<=33.01	Pass
			18	23.03	3.00	26.03	<=33.01	Pass
			39	22.93	3.00	25.93	<=33.01	Pass
		75	0	22.87	3.00	25.87	<=33.01	Pass
16QAM	2577.5	1	0	23.11	3.00	26.11	<=33.01	Pass
			38	23.02	3.00	26.02	<=33.01	Pass

64QAM		36	74	23.01	3.00	26.01	<=33.01	Pass
			0	22.03	3.00	25.03	<=33.01	Pass
			18	22.11	3.00	25.11	<=33.01	Pass
			39	22.04	3.00	25.04	<=33.01	Pass
		75	0	22.12	3.00	25.12	<=33.01	Pass
	2595	1	0	23.16	3.00	26.16	<=33.01	Pass
			38	23.07	3.00	26.07	<=33.01	Pass
			74	23.03	3.00	26.03	<=33.01	Pass
		36	0	22.04	3.00	25.04	<=33.01	Pass
			18	22.01	3.00	25.01	<=33.01	Pass
			39	22.01	3.00	25.01	<=33.01	Pass
		75	0	21.99	3.00	24.99	<=33.01	Pass
	2612.5	1	0	22.96	3.00	25.96	<=33.01	Pass
			38	23.11	3.00	26.11	<=33.01	Pass
			74	23.07	3.00	26.07	<=33.01	Pass
		36	0	21.9	3.00	24.9	<=33.01	Pass
			18	22.02	3.00	25.02	<=33.01	Pass
			39	21.91	3.00	24.91	<=33.01	Pass
		75	0	21.89	3.00	24.89	<=33.01	Pass
	2577.5	1	0	22.94	3.00	25.94	<=33.01	Pass
			38	22.81	3.00	25.81	<=33.01	Pass
			74	22.9	3.00	25.9	<=33.01	Pass
		36	0	22.07	3.00	25.07	<=33.01	Pass
			18	22.17	3.00	25.17	<=33.01	Pass
			39	22.1	3.00	25.1	<=33.01	Pass
		75	0	22.07	3.00	25.07	<=33.01	Pass
		1	0	22.94	3.00	25.94	<=33.01	Pass
			38	22.88	3.00	25.88	<=33.01	Pass
			74	23.08	3.00	26.08	<=33.01	Pass
		36	0	22.04	3.00	25.04	<=33.01	Pass
			18	22.05	3.00	25.05	<=33.01	Pass
			39	22.05	3.00	25.05	<=33.01	Pass
		75	0	21.97	3.00	24.97	<=33.01	Pass
		1	0	22.9	3.00	25.9	<=33.01	Pass
			38	22.93	3.00	25.93	<=33.01	Pass
			74	22.92	3.00	25.92	<=33.01	Pass
		36	0	21.96	3.00	24.96	<=33.01	Pass
			18	22.02	3.00	25.02	<=33.01	Pass
			39	21.99	3.00	24.99	<=33.01	Pass
		75	0	21.86	3.00	24.86	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B38_20MHz_EIRP

Band: 38 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	24	3	27	<=33.01	Pass
			50	23.98	3	26.98	<=33.01	Pass
			99	23.97	3	26.97	<=33.01	Pass
		50	0	23.09	3	26.09	<=33.01	Pass
			25	23.15	3	26.15	<=33.01	Pass
			50	23.1	3	26.1	<=33.01	Pass
		100	0	23.08	3	26.08	<=33.01	Pass
	2595	1	0	23.99	3	26.99	<=33.01	Pass
			50	23.98	3	26.98	<=33.01	Pass
			99	23.81	3	26.81	<=33.01	Pass
		50	0	23.04	3	26.04	<=33.01	Pass

		100	25	23.01	3	26.01	<=33.01	Pass		
			50	23.05	3	26.05	<=33.01	Pass		
			0	23	3	26	<=33.01	Pass		
	2610	1	0	23.9	3	26.9	<=33.01	Pass		
			50	23.87	3	26.87	<=33.01	Pass		
			99	23.79	3	26.79	<=33.01	Pass		
		50	0	23	3	26	<=33.01	Pass		
			25	22.97	3	25.97	<=33.01	Pass		
			50	22.97	3	25.97	<=33.01	Pass		
100		0	22.92	3	25.92	<=33.01	Pass			
16QAM		2580	1	0	23.16	3.00	26.16	<=33.01	Pass	
				50	23.20	3.00	26.20	<=33.01	Pass	
	99			23.00	3.00	26.00	<=33.01	Pass		
	50		0	22.08	3.00	25.08	<=33.01	Pass		
			25	22.14	3.00	25.14	<=33.01	Pass		
			50	22.09	3.00	25.09	<=33.01	Pass		
	100		0	22.09	3.00	25.09	<=33.01	Pass		
	2595		1	0	23.20	3.00	26.20	<=33.01	Pass	
				50	23.25	3.00	26.25	<=33.01	Pass	
		99		22.91	3.00	25.91	<=33.01	Pass		
		50	0	22.02	3.00	25.02	<=33.01	Pass		
			25	22.01	3.00	25.01	<=33.01	Pass		
			50	22.03	3.00	25.03	<=33.01	Pass		
		100	0	22.00	3.00	25.00	<=33.01	Pass		
		2610	1	0	23.17	3.00	26.17	<=33.01	Pass	
				50	23.09	3.00	26.09	<=33.01	Pass	
	99			22.96	3.00	25.96	<=33.01	Pass		
	50		0	22.01	3.00	25.01	<=33.01	Pass		
			25	21.98	3.00	24.98	<=33.01	Pass		
			50	21.98	3.00	24.98	<=33.01	Pass		
	100		0	21.88	3.00	24.88	<=33.01	Pass		
	64QAM		2580	1	0	23.12	3.00	26.12	<=33.01	Pass
					50	23.00	3.00	26.00	<=33.01	Pass
		99			22.90	3.00	25.90	<=33.01	Pass	
		50		0	22.08	3.00	25.08	<=33.01	Pass	
				25	22.13	3.00	25.13	<=33.01	Pass	
				50	22.09	3.00	25.09	<=33.01	Pass	
100		0		22.12	3.00	25.12	<=33.01	Pass		
2595		1		0	23.06	3.00	26.06	<=33.01	Pass	
				50	23.25	3.00	26.25	<=33.01	Pass	
			99	22.88	3.00	25.88	<=33.01	Pass		
		50	0	22.04	3.00	25.04	<=33.01	Pass		
			25	21.98	3.00	24.98	<=33.01	Pass		
			50	21.99	3.00	24.99	<=33.01	Pass		
		100	0	21.99	3.00	24.99	<=33.01	Pass		
		2610	1	0	23.07	3.00	26.07	<=33.01	Pass	
				50	22.91	3.00	25.91	<=33.01	Pass	
99				22.87	3.00	25.87	<=33.01	Pass		
50			0	21.97	3.00	24.97	<=33.01	Pass		
			25	21.98	3.00	24.98	<=33.01	Pass		
			50	21.97	3.00	24.97	<=33.01	Pass		
100			0	21.87	3.00	24.87	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 B38_10MHz

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2595	50	0	20	LV	3.900	0.0015	-2.5 to 2.5	Pass
					HV	-0.100	0.0000	-2.5 to 2.5	Pass
					NV	2.000	0.0008	-2.5 to 2.5	Pass
				-30	NV	0.600	0.0002	-2.5 to 2.5	Pass
				-20	NV	-6.400	-0.0025	-2.5 to 2.5	Pass
				-10	NV	-0.600	-0.0002	-2.5 to 2.5	Pass
				0	NV	5.800	0.0022	-2.5 to 2.5	Pass
				10	NV	1.100	0.0004	-2.5 to 2.5	Pass
				30	NV	4.000	0.0015	-2.5 to 2.5	Pass
				40	NV	-1.900	-0.0007	-2.5 to 2.5	Pass
				50	NV	-0.300	-0.0001	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

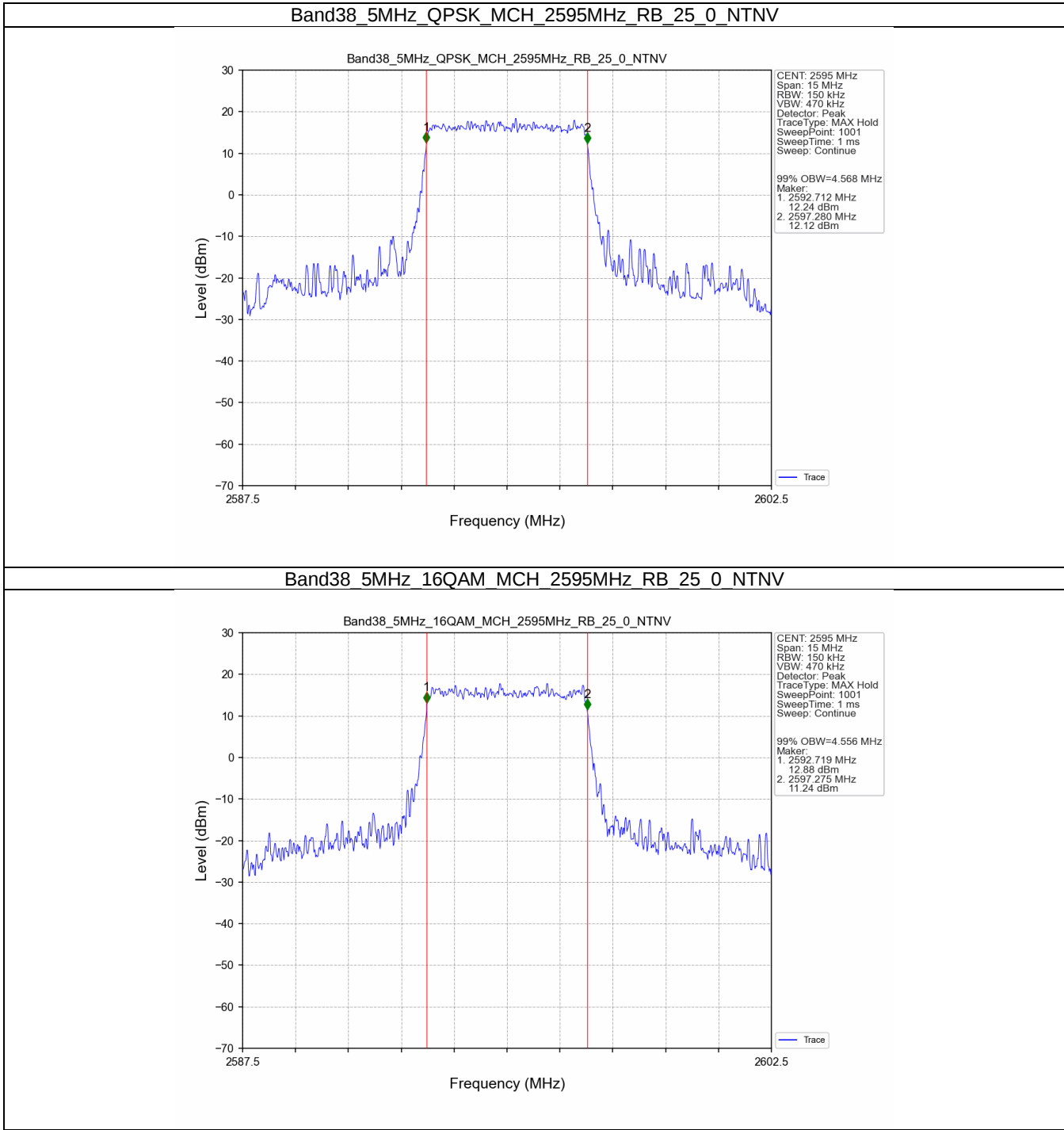
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.568	/	Pass
	16QAM	2595	25	0	4.556	/	Pass
10	QPSK	2595	50	0	9.071	/	Pass
	16QAM	2595	50	0	9.090	/	Pass
15	QPSK	2595	75	0	13.625	/	Pass
	16QAM	2595	75	0	13.621	/	Pass
20	QPSK	2595	100	0	18.183	/	Pass
	16QAM	2595	100	0	18.127	/	Pass

3.1.2 Band38_XDB

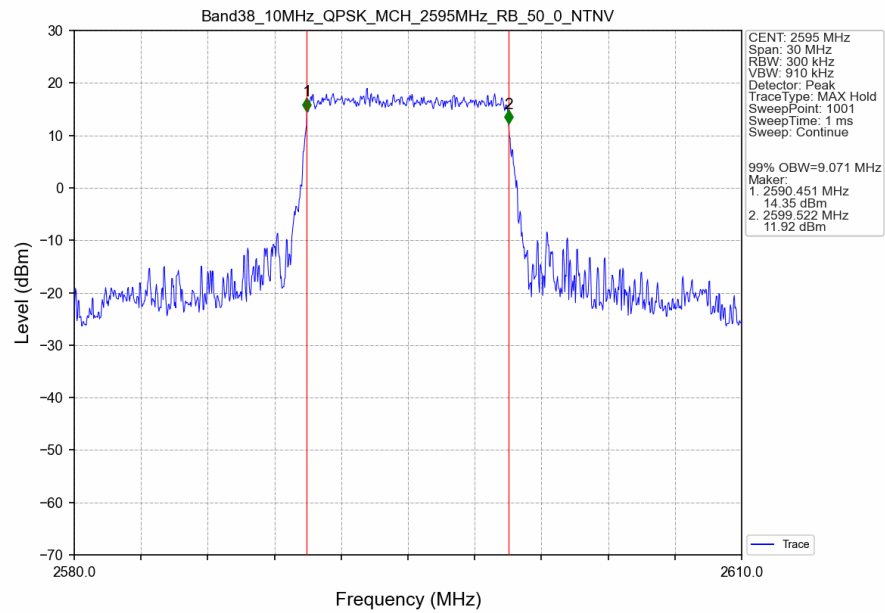
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.261	/	Pass
	16QAM	2595	25	0	5.501	/	Pass
10	QPSK	2595	50	0	10.248	/	Pass
	16QAM	2595	50	0	10.942	/	Pass
15	QPSK	2595	75	0	15.363	/	Pass
	16QAM	2595	75	0	15.913	/	Pass
20	QPSK	2595	100	0	20.204	/	Pass
	16QAM	2595	100	0	20.646	/	Pass

3.2 Test Graph

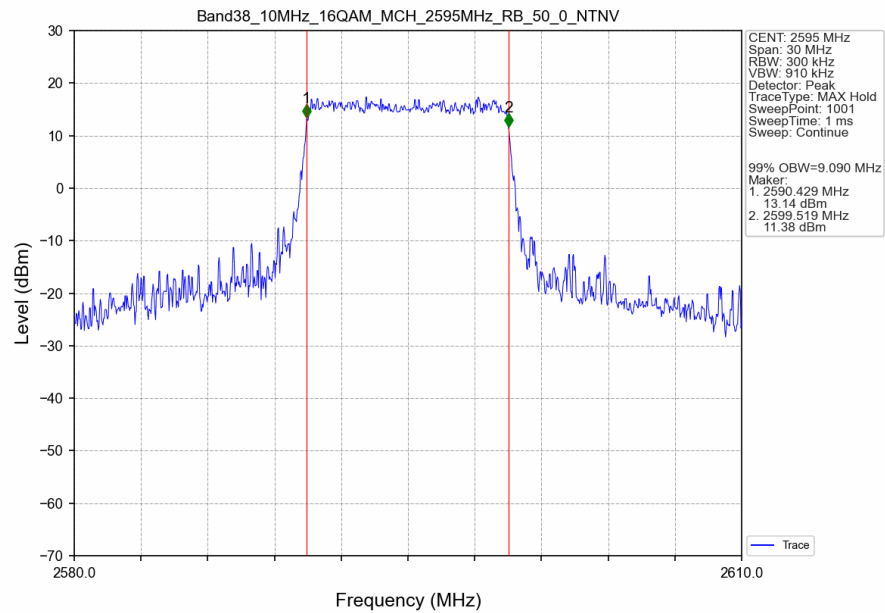
3.2.1 Band38_OBW



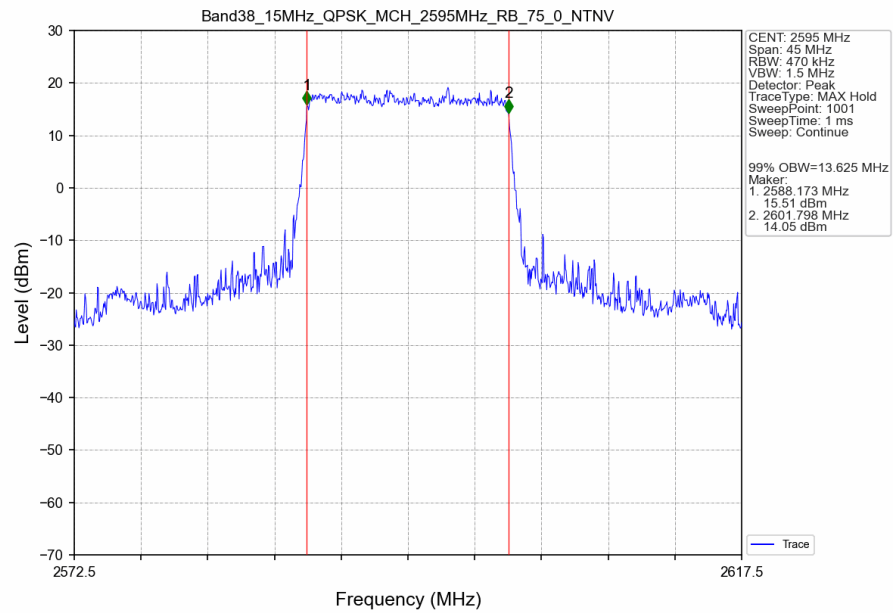
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



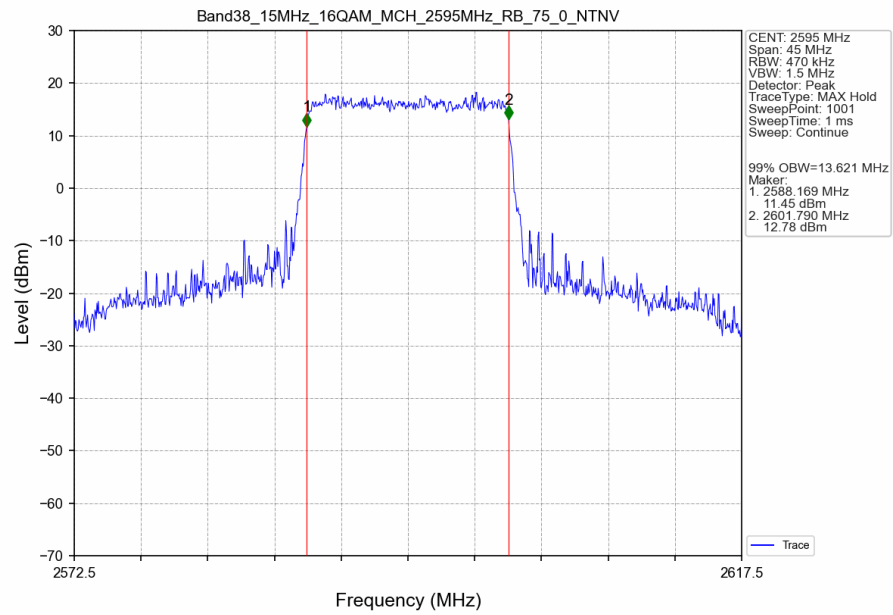
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



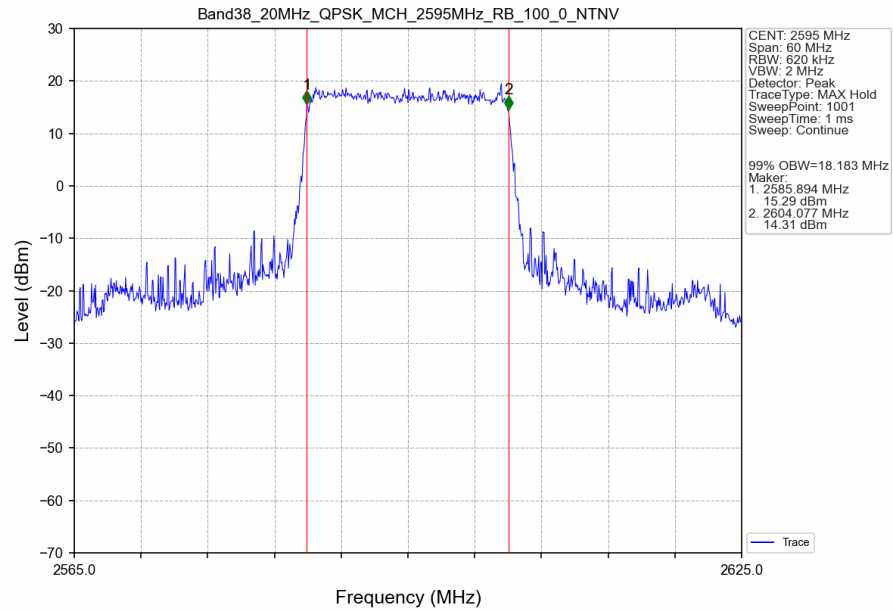
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



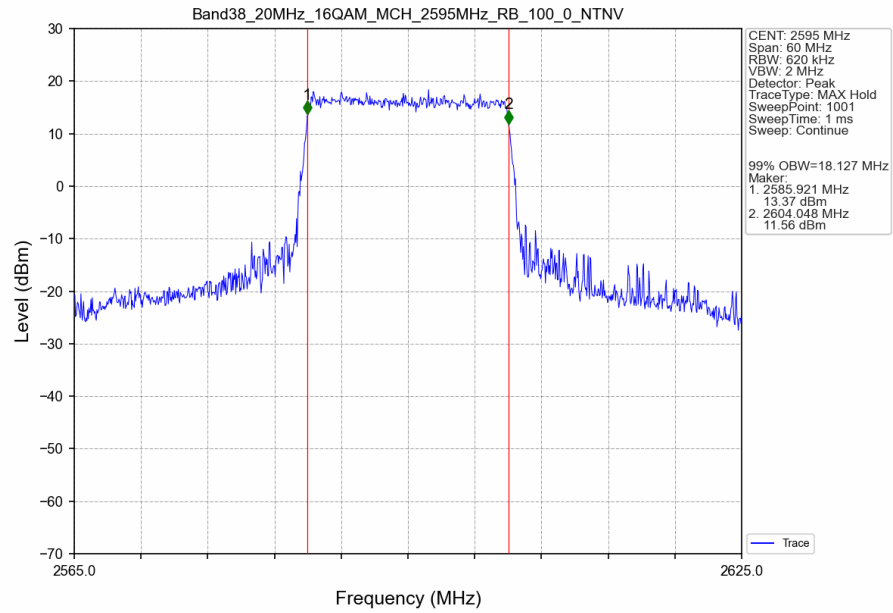
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



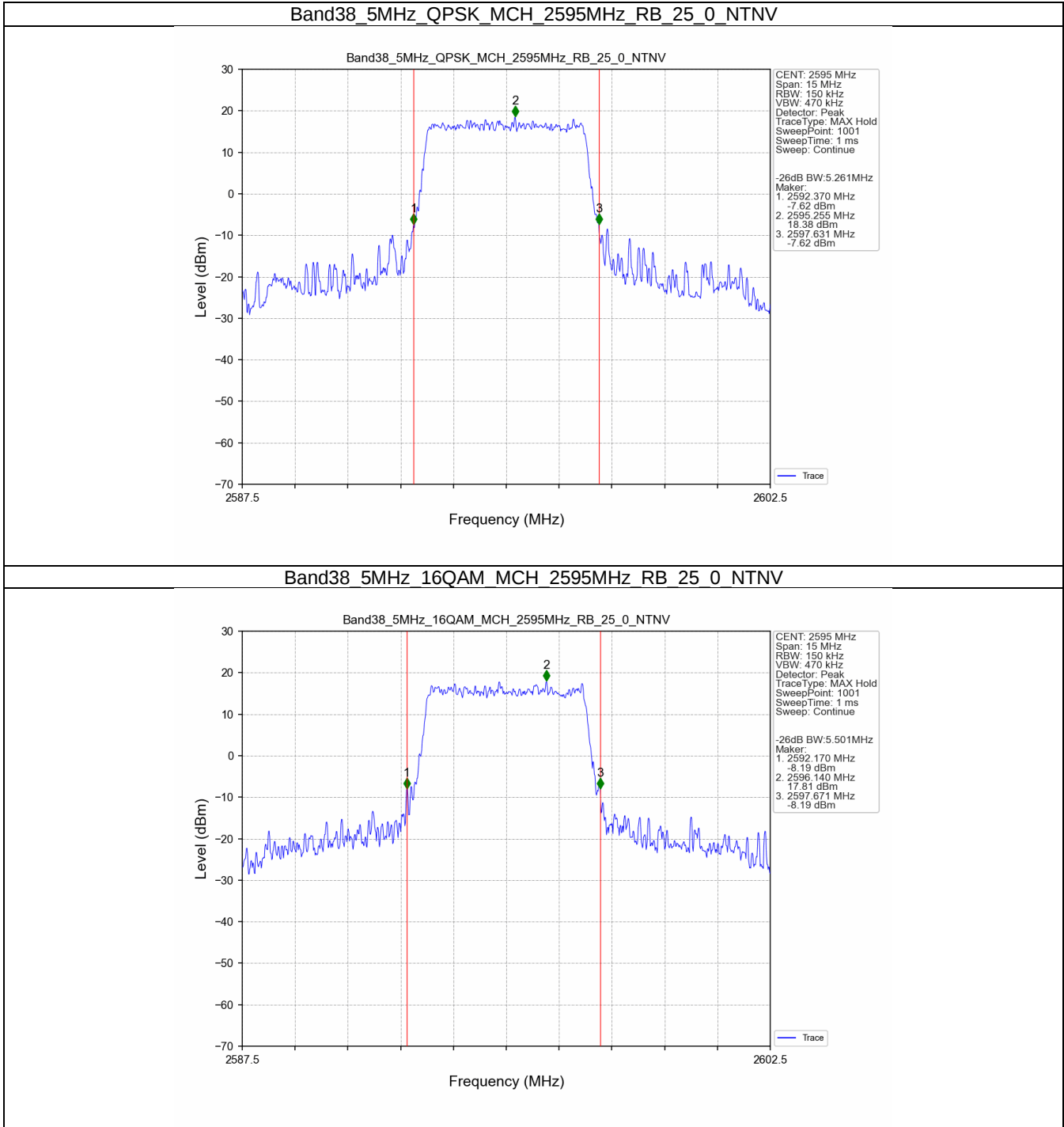
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



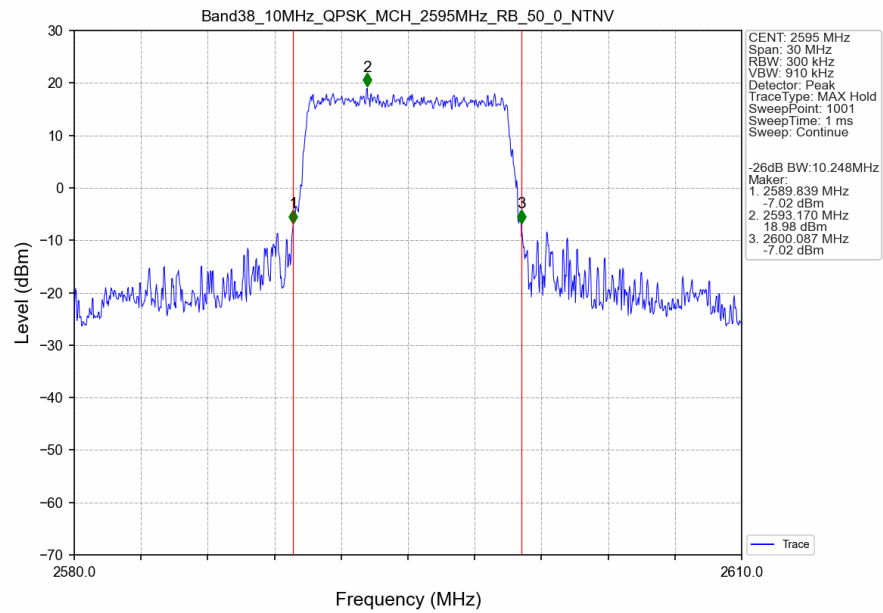
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTNV



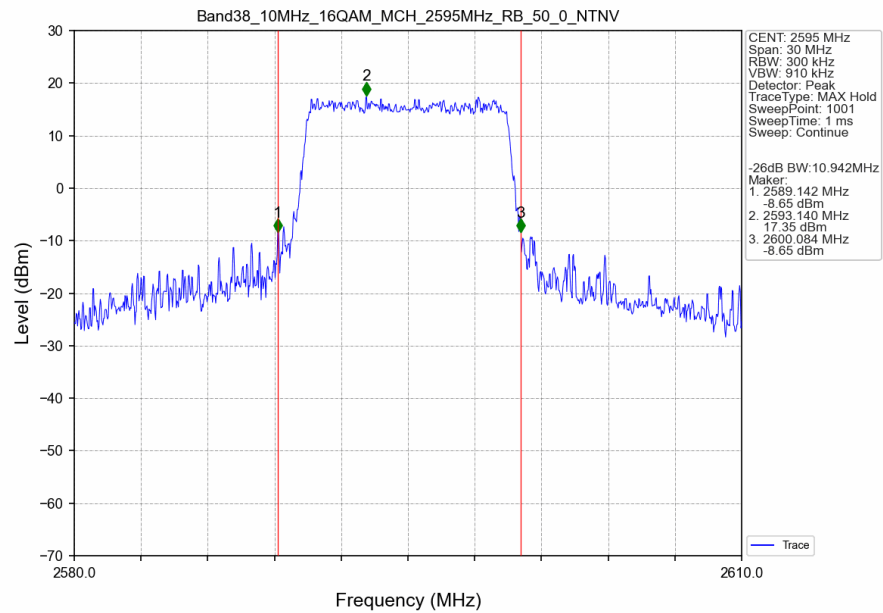
3.2.2 Band38_XDB



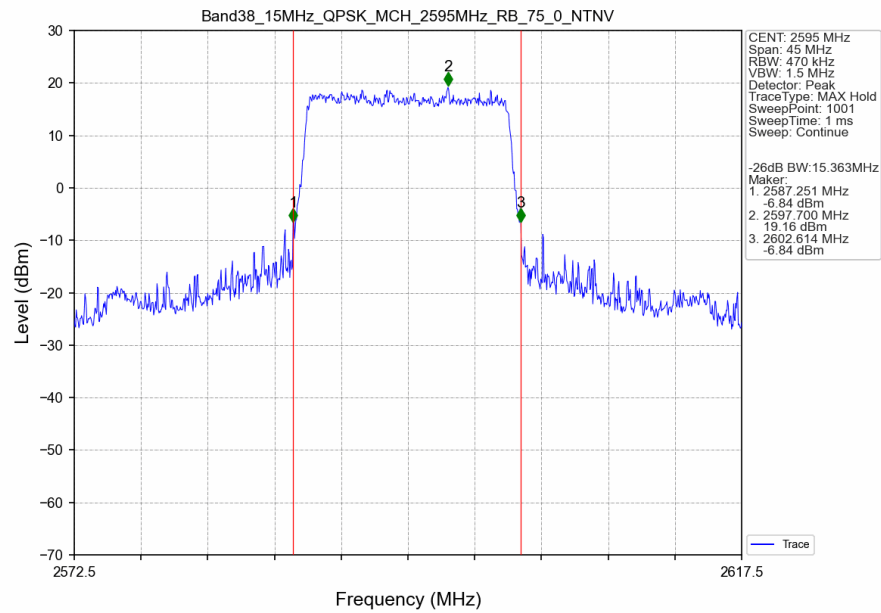
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



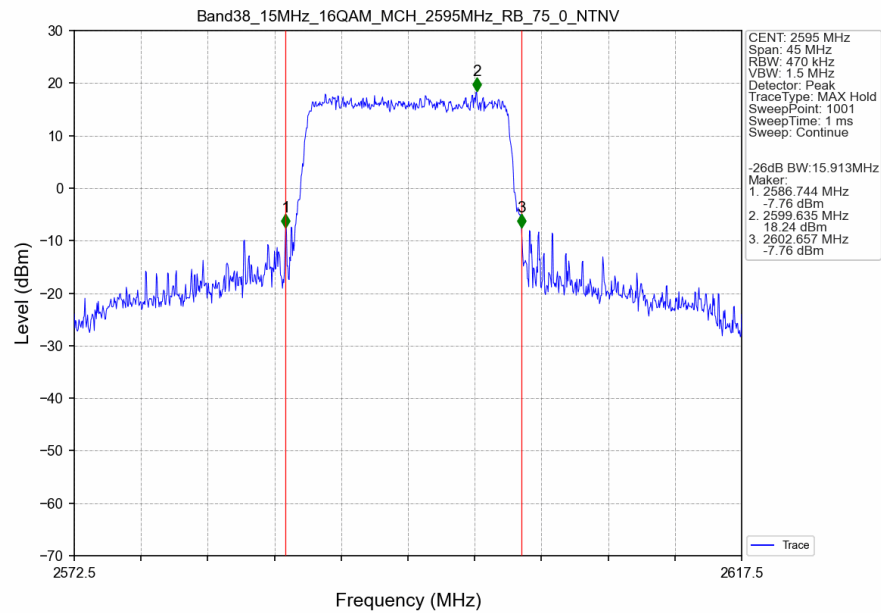
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



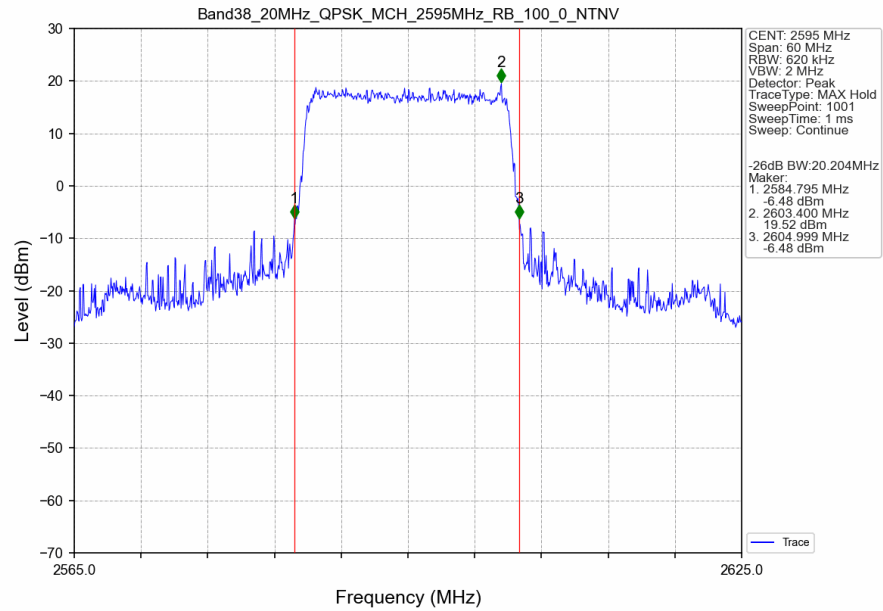
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



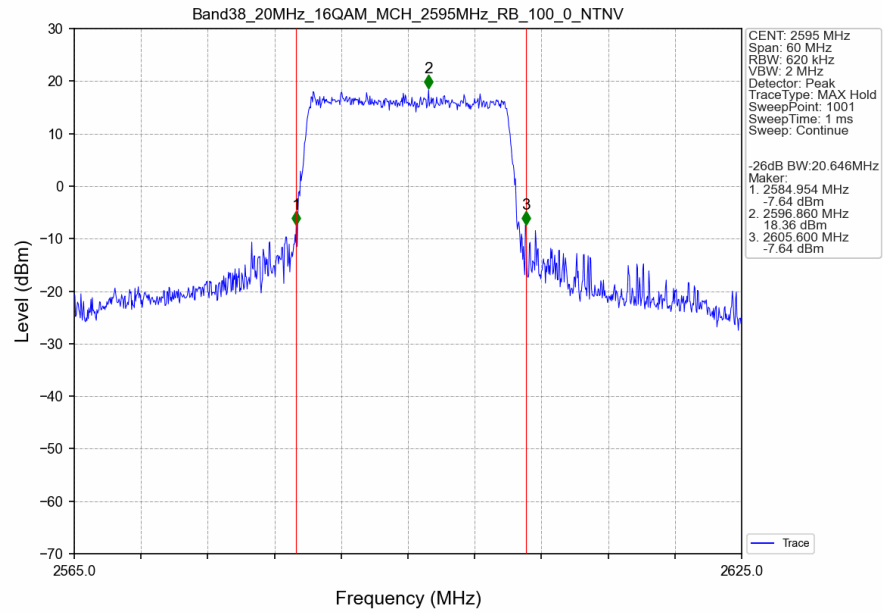
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTNV



4. Peak-Average Ratio

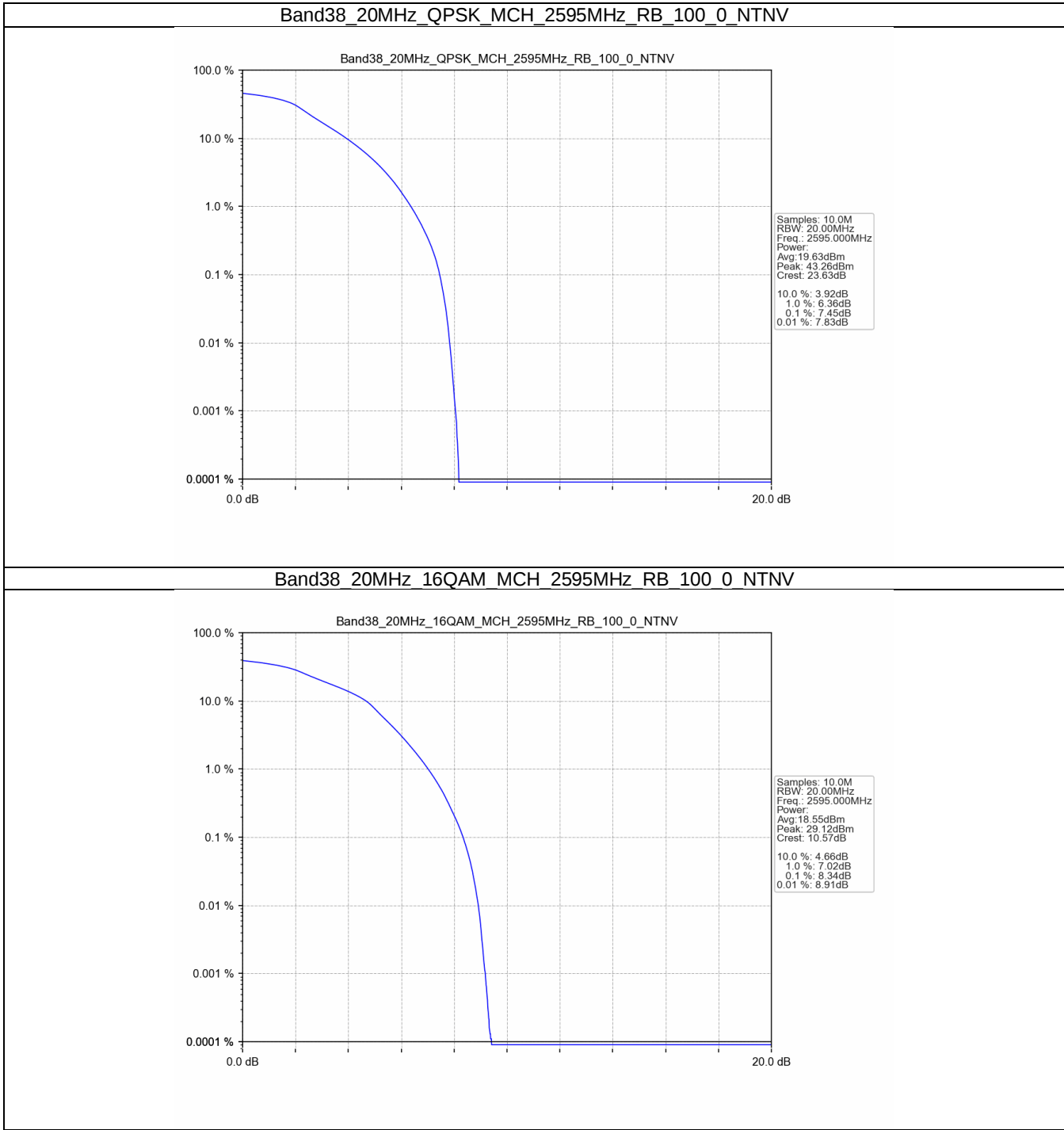
4.1 Test Result

4.1.1 B38_20MHz

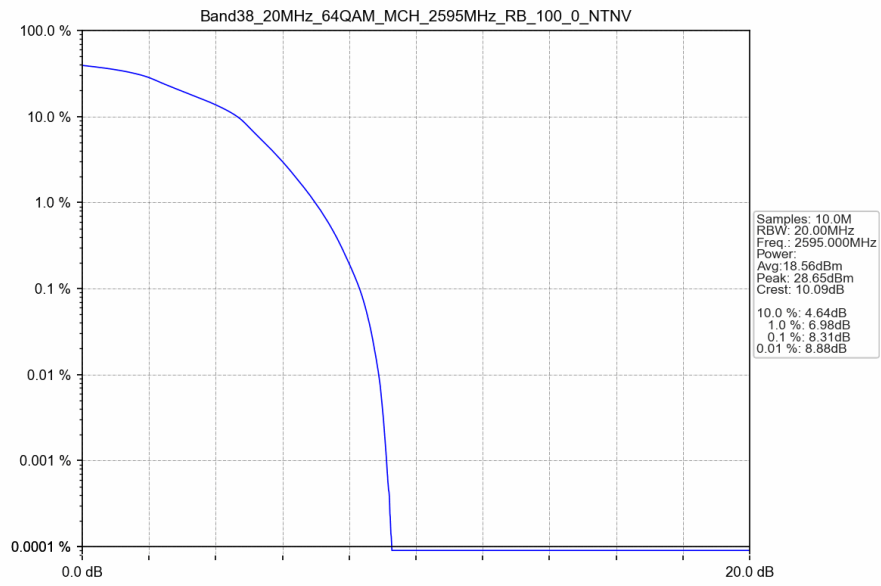
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.45	<=13	Pass
16QAM	2595	100	0	8.34	<=13	Pass
64QAM	2595	100	0	8.31	<=13	Pass

4.2 Test Graph

4.2.1 B38_20MHz



Band38 20MHz 64QAM MCH 2595MHz RB 100 0 NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B38_15MHz

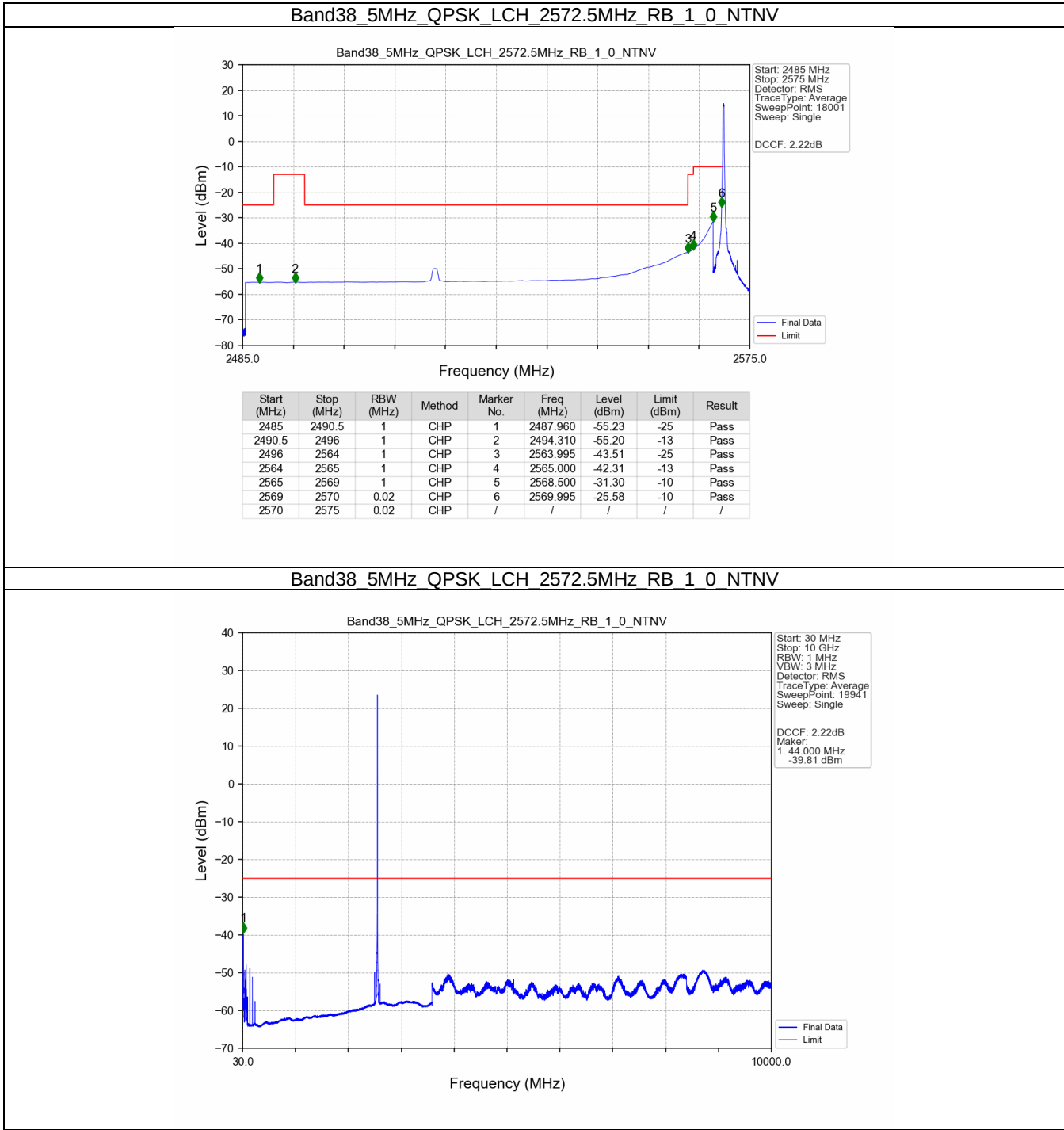
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.4 B38_20MHz

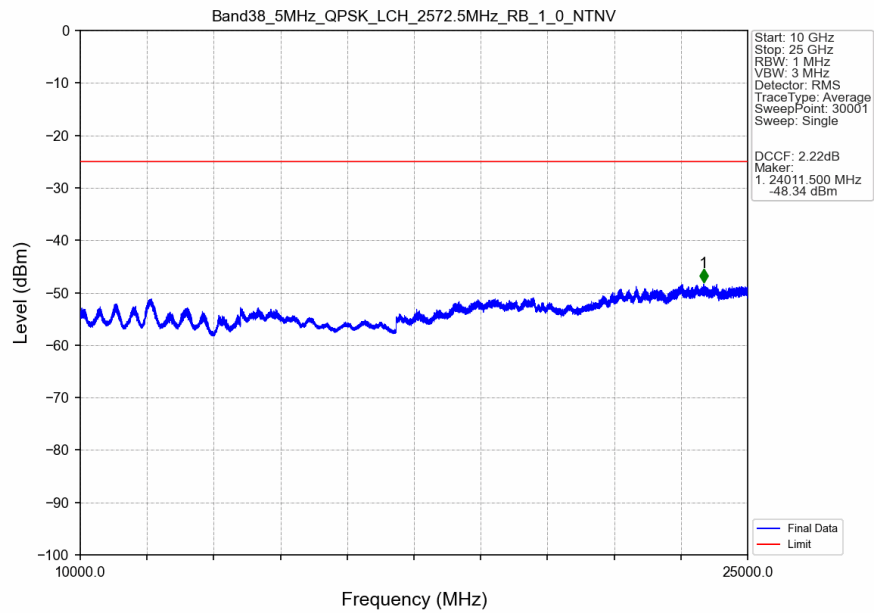
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

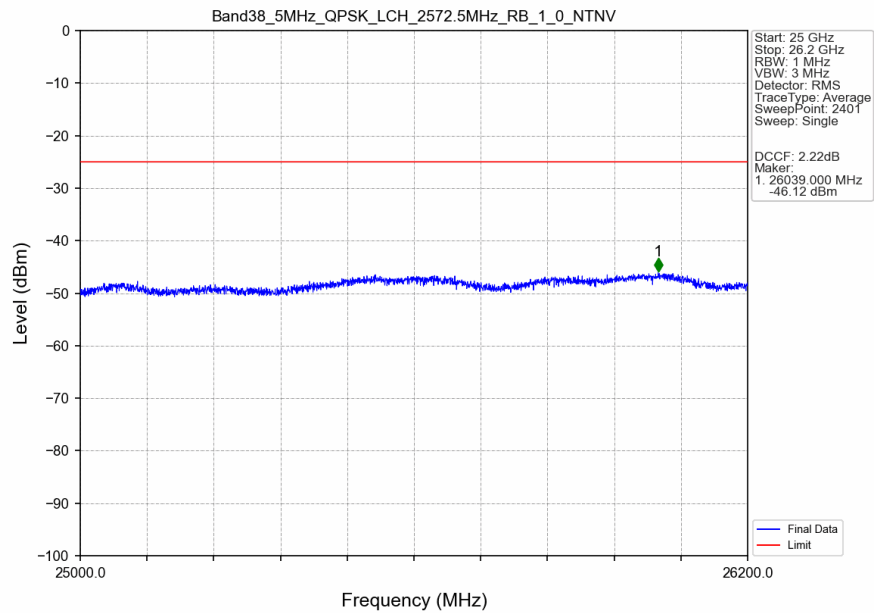
5.2.1 B38_5MHz



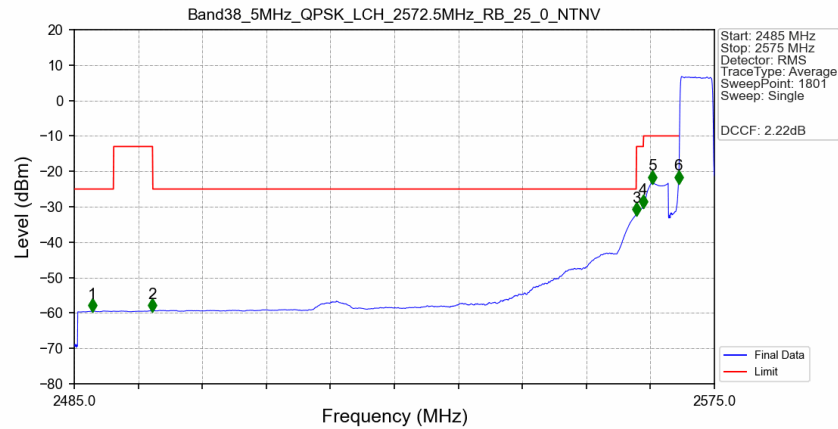
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV

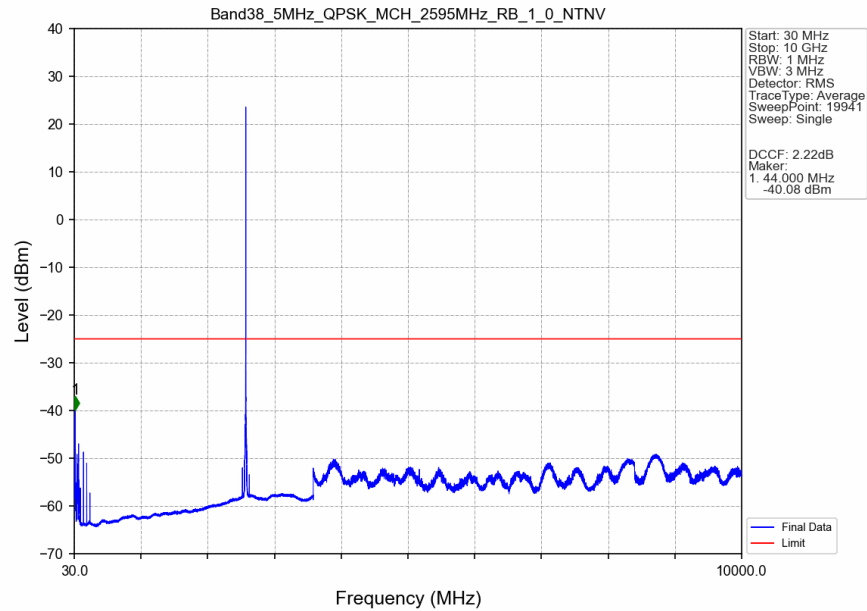


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

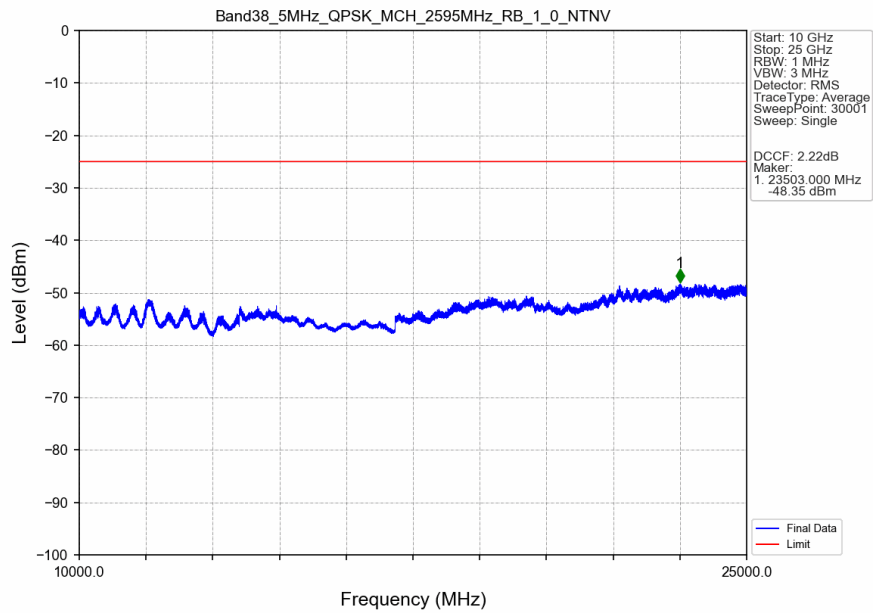


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.550	-59.45	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-59.37	-13	Pass
2496	2564	1	CHP	3	2564.000	-32.22	-25	Pass
2564	2565	1	CHP	4	2565.000	-30.04	-13	Pass
2565	2569	1	CHP	5	2566.300	-23.17	-10	Pass
2569	2570	0.105	CHP	6	2569.950	-23.18	-10	Pass
2570	2575	0.105	CHP	/	/	/	/	/

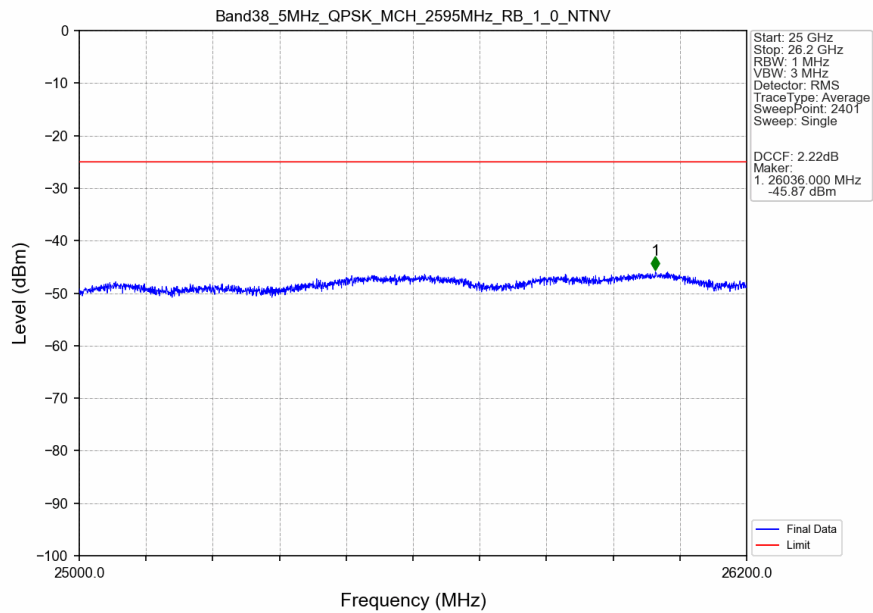
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



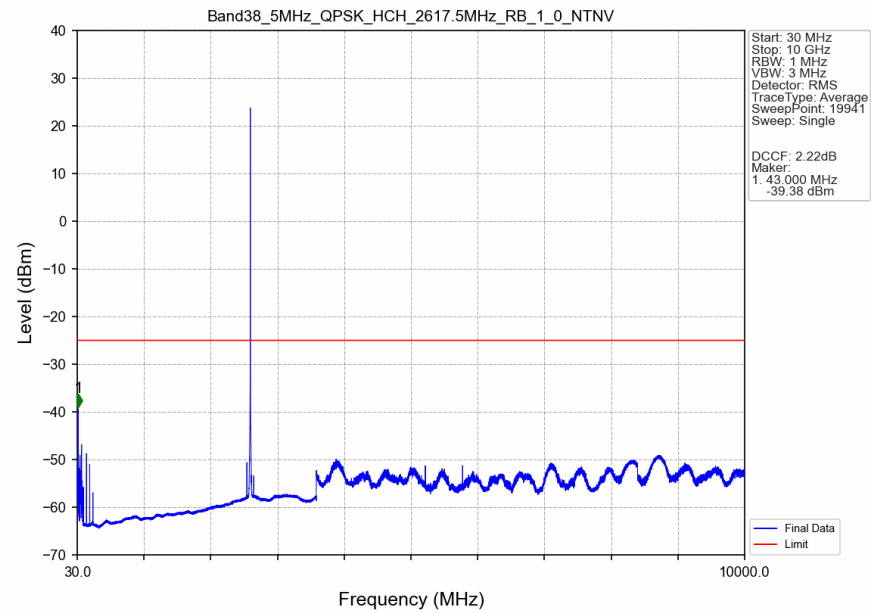
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



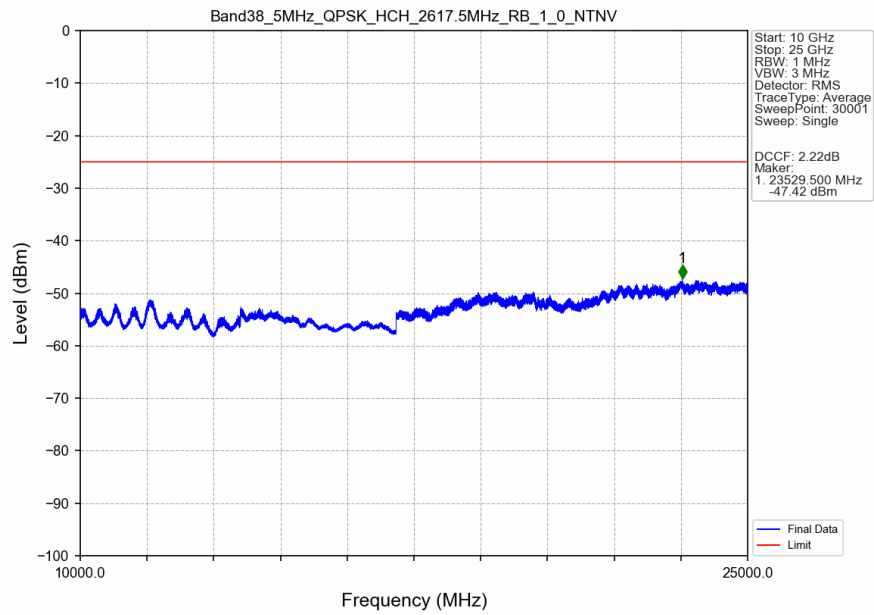
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



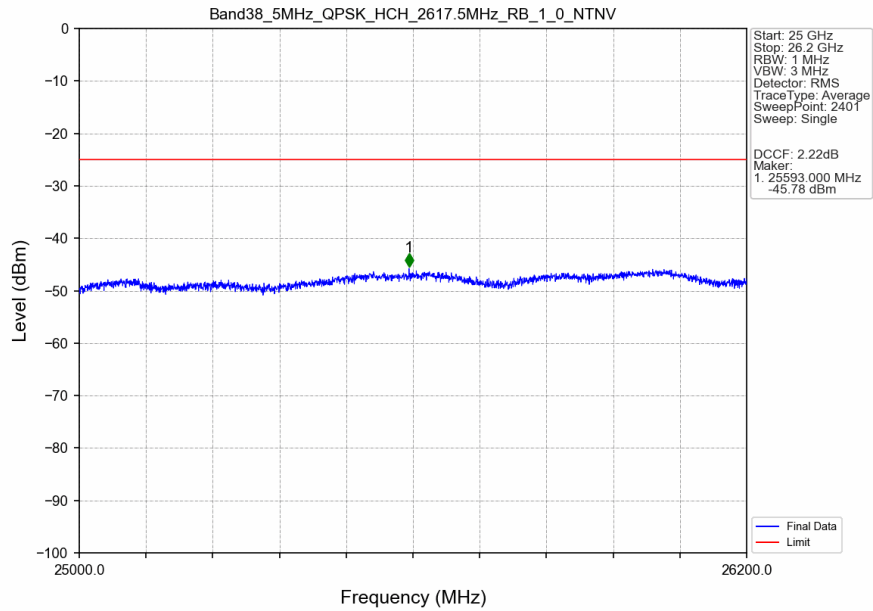
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTNV



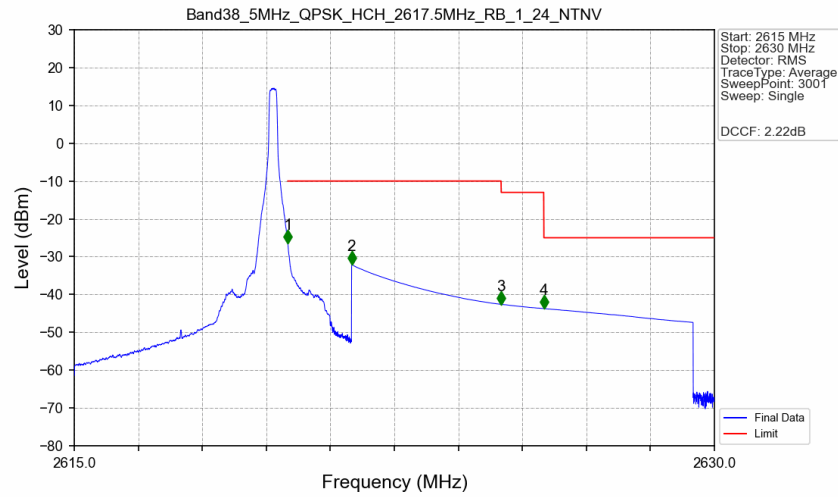
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTNV



Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTNV

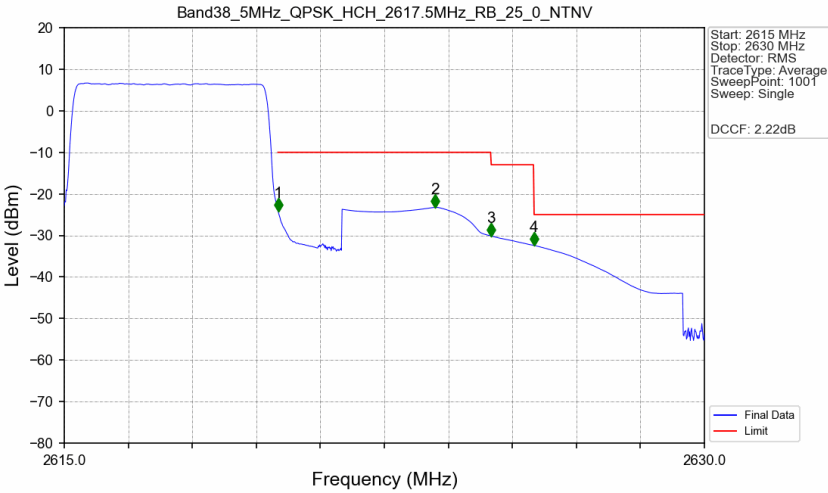


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-26.51	-10	Pass
2621	2625	1	CHP	2	2621.500	-32.00	-10	Pass
2625	2626	1	CHP	3	2625.005	-42.62	-13	Pass
2626	2630	1	CHP	4	2626.005	-43.73	-25	Pass

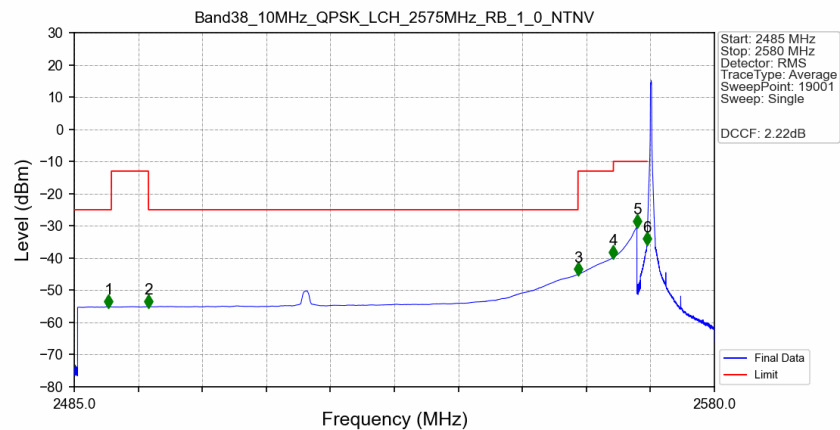
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.105	CHP	/	/	/	/	/
2620	2621	0.105	CHP	1	2620.010	-24.15	-10	Pass
2621	2625	1	CHP	2	2623.685	-23.26	-10	Pass
2625	2626	1	CHP	3	2625.005	-30.15	-13	Pass
2626	2630	1	CHP	4	2626.010	-32.41	-25	Pass

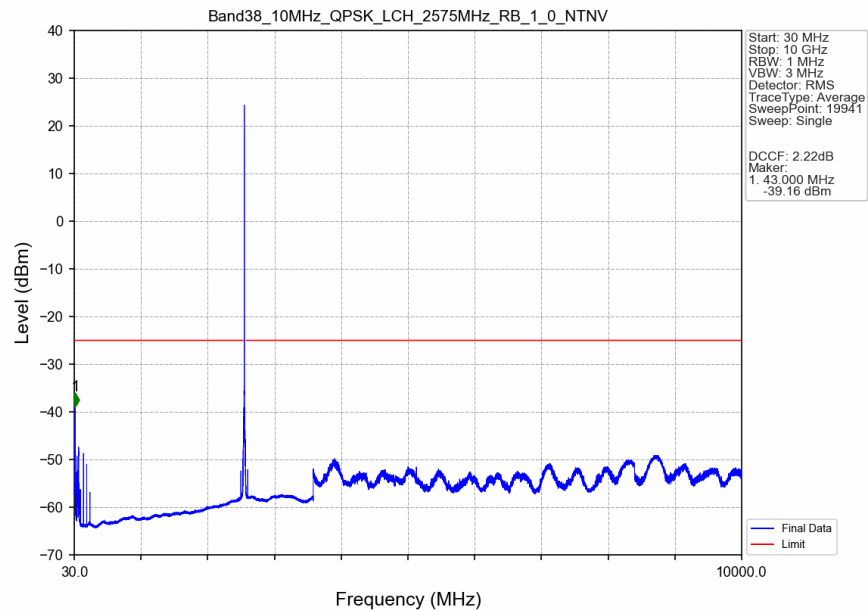
5.2.2 B38_10MHz

Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

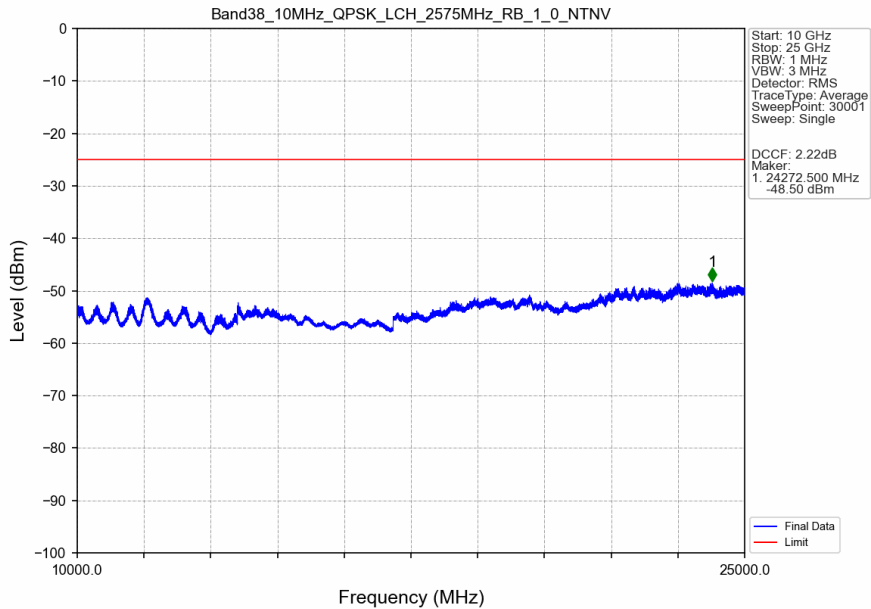


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.085	-55.13	-25	Pass
2490.5	2496	1	CHP	2	2495.980	-55.08	-13	Pass
2496	2559.752	1	CHP	3	2559.745	-45.08	-25	Pass
2559.752	2565	1	CHP	4	2565.000	-39.83	-13	Pass
2565	2569	1	CHP	5	2568.500	-30.19	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-35.70	-10	Pass
2570	2580	0.02	CHP	/	/	/	/	/

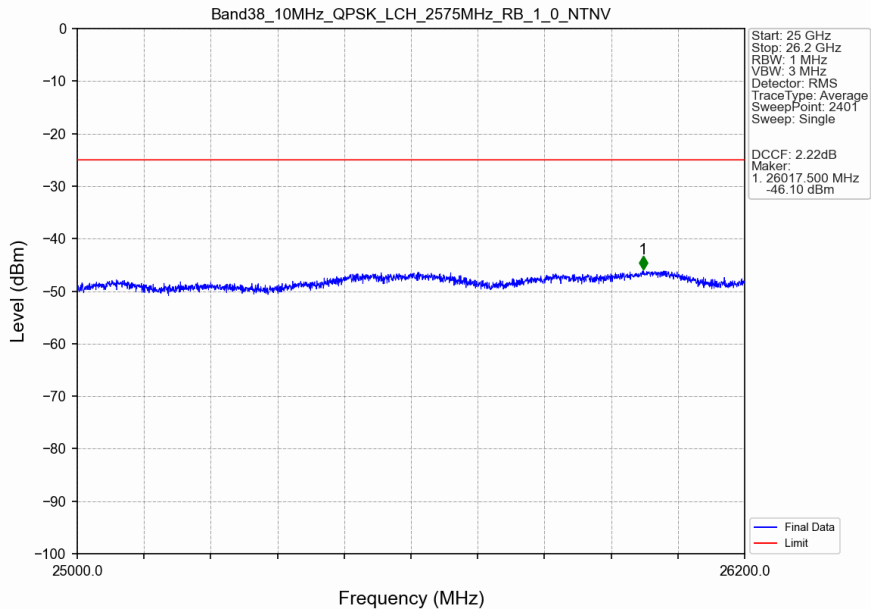
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



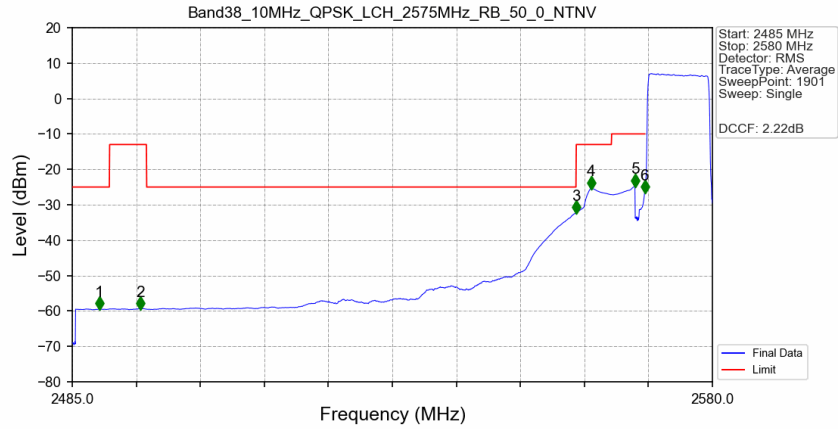
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

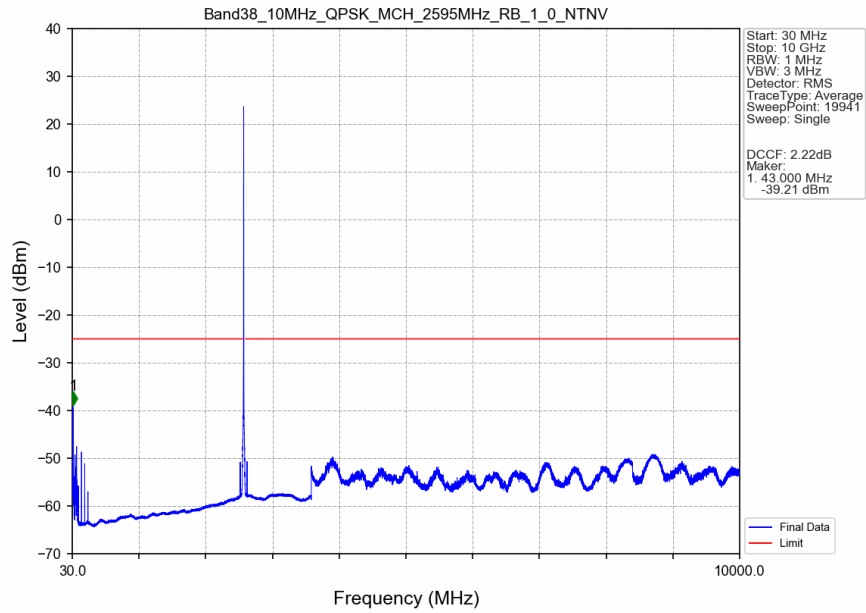


Band38 10MHz QPSK LCH 2575MHz RB 50 0 NTNV

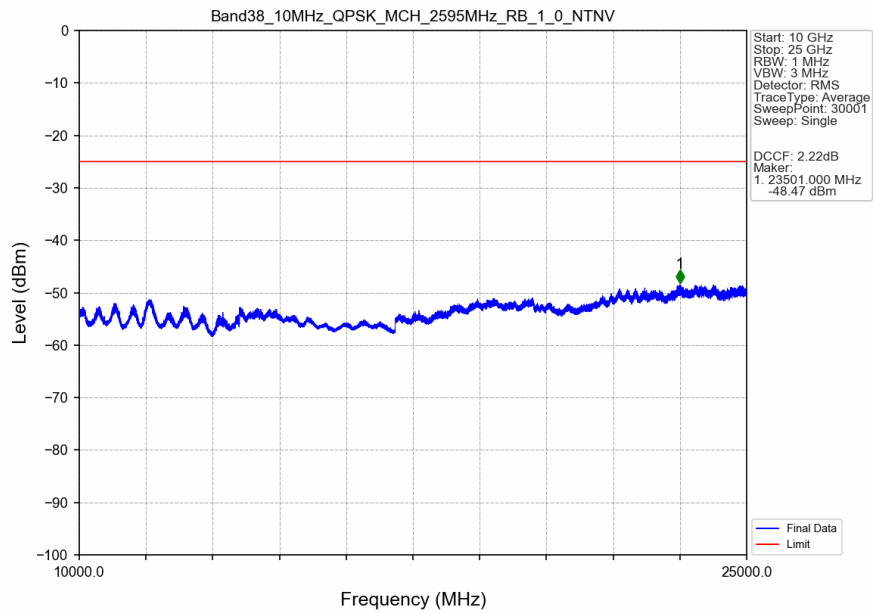


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.000	-59.43	-25	Pass
2490.5	2496	1	CHP	2	2495.150	-59.35	-13	Pass
2496	2559.752	1	CHP	3	2559.750	-32.30	-25	Pass
2559.752	2565	1	CHP	4	2562.000	-25.30	-13	Pass
2565	2569	1	CHP	5	2568.500	-24.70	-10	Pass
2569	2570	0.205	CHP	6	2569.950	-26.46	-10	Pass
2570	2580	0.205	CHP	/	/	/	/	/

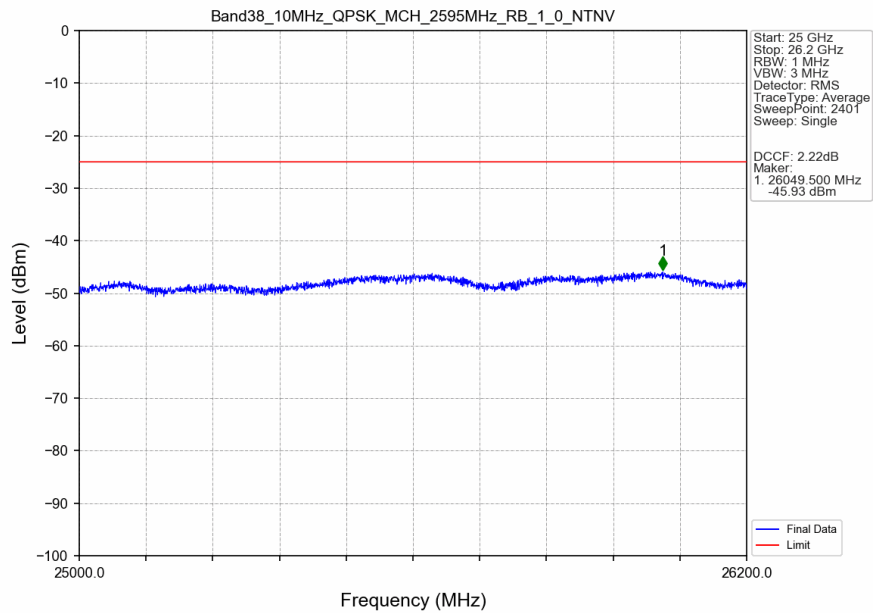
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTNV



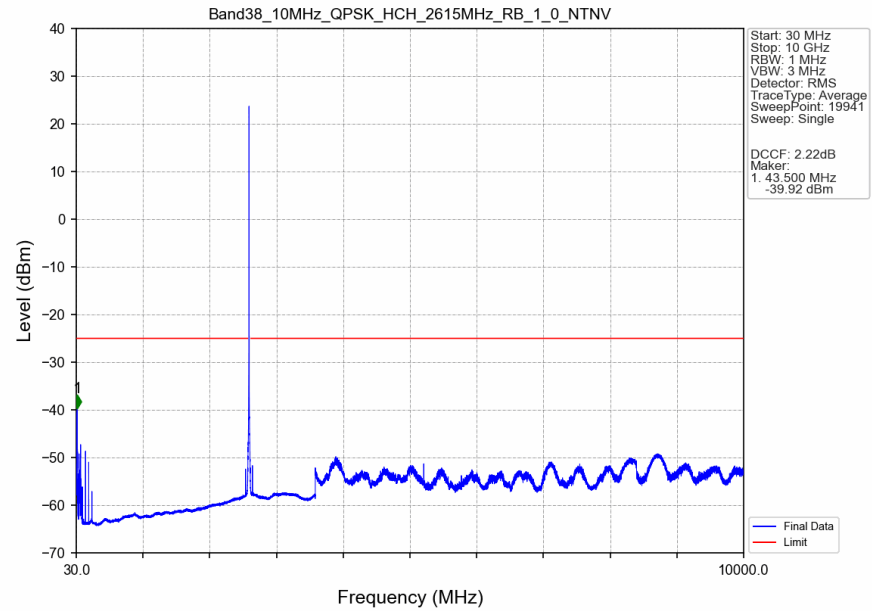
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



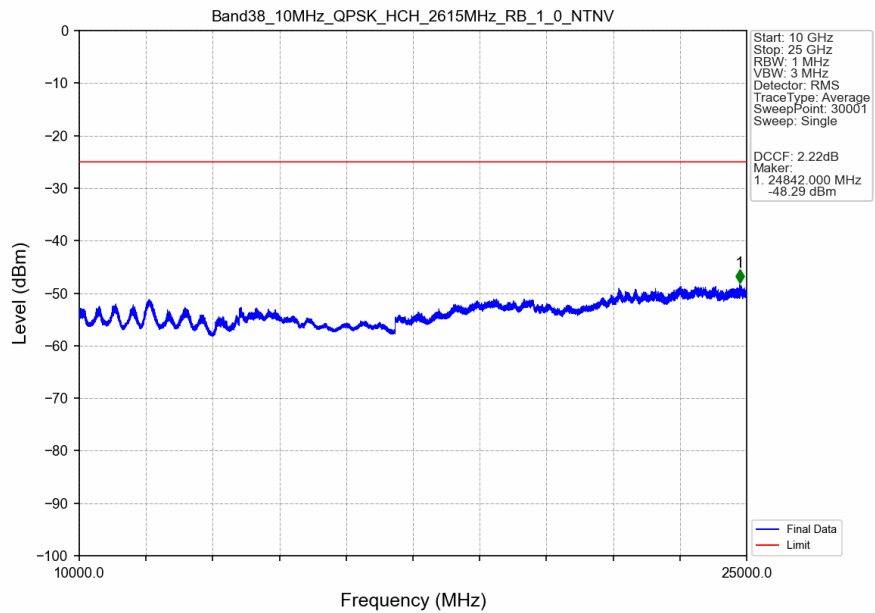
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



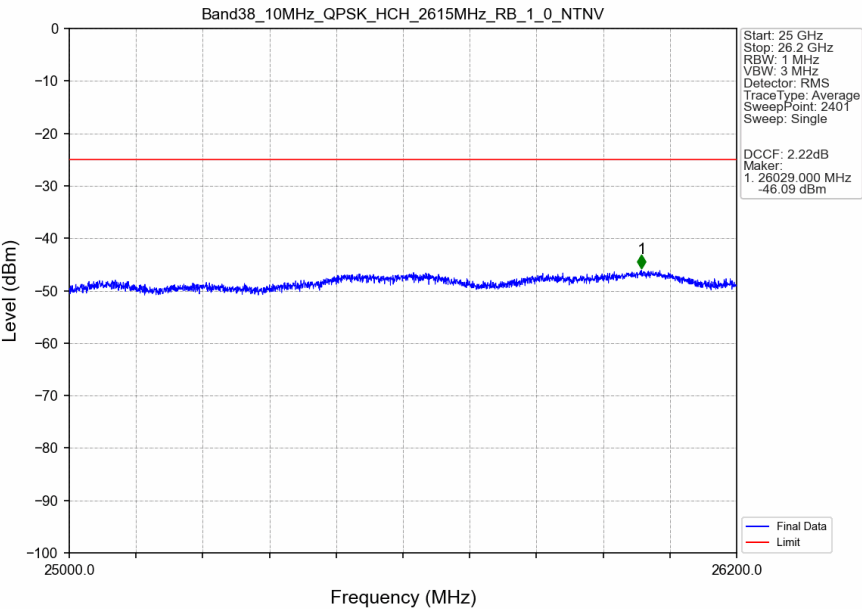
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



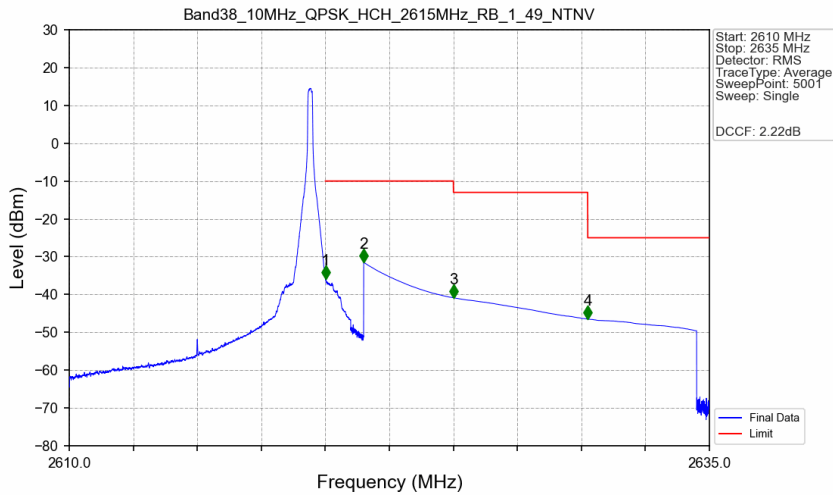
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV

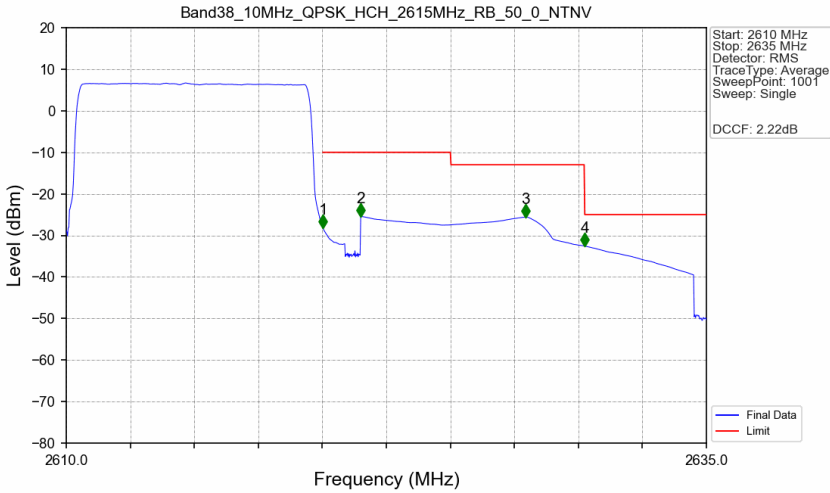


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-35.81	-10	Pass
2621	2625	1	CHP	2	2621.500	-31.50	-10	Pass
2625	2630.248	1	CHP	3	2625.005	-40.86	-13	Pass
2630.248	2635	1	CHP	4	2630.250	-46.50	-25	Pass

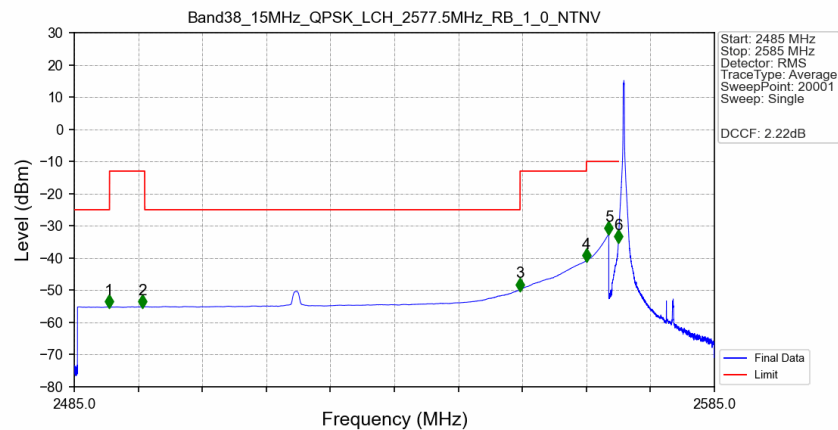
Band38 10MHz QPSK HCH 2615MHz RB 50 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.205	CHP	/	/	/	/	/
2620	2621	0.205	CHP	1	2620.025	-28.26	-10	Pass
2621	2625	1	CHP	2	2621.500	-25.42	-10	Pass
2625	2630.248	1	CHP	3	2627.925	-25.58	-13	Pass
2630.248	2635	1	CHP	4	2630.250	-32.57	-25	Pass

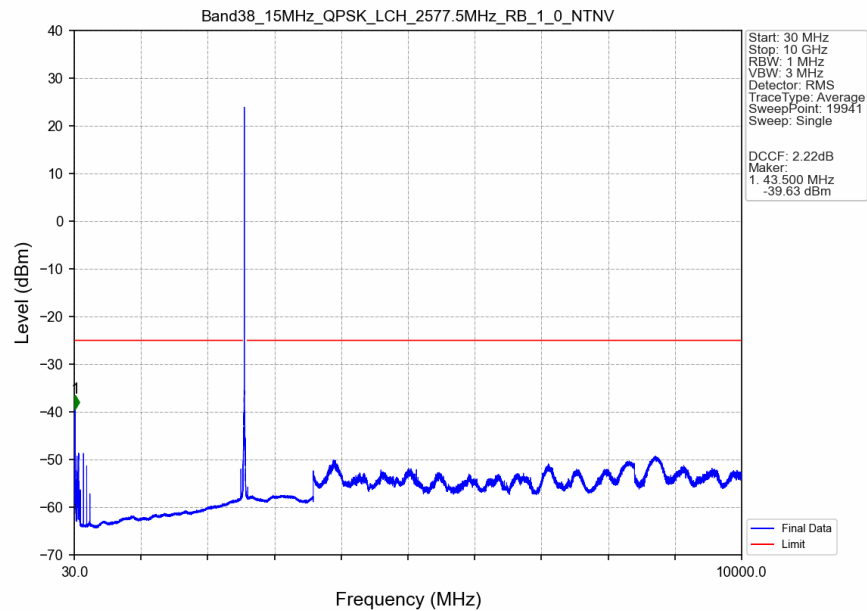
5.2.3 B38_15MHz

Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

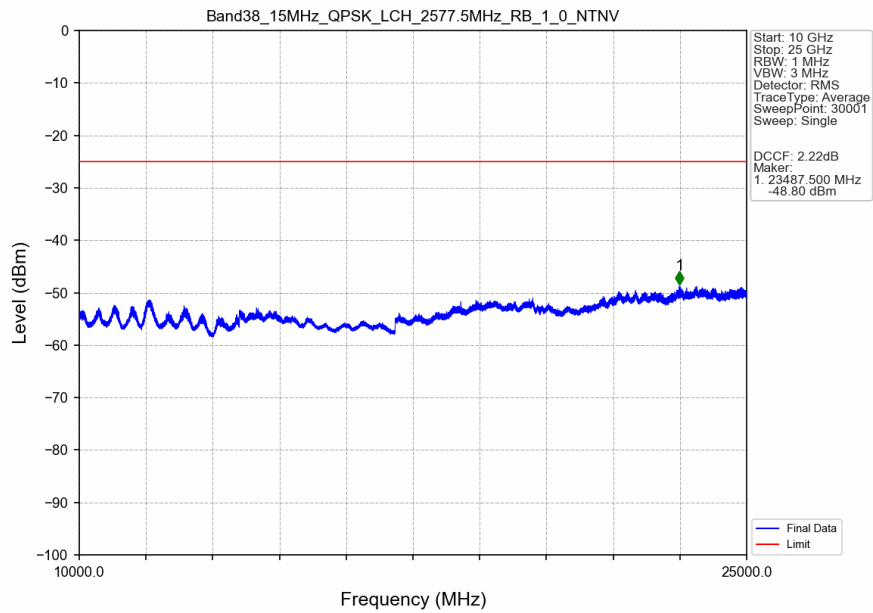


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.380	-55.18	-25	Pass
2490.5	2496	1	CHP	2	2495.675	-55.15	-13	Pass
2496	2554.637	1	CHP	3	2554.635	-49.91	-25	Pass
2554.637	2565	1	CHP	4	2565.000	-40.88	-13	Pass
2565	2569	1	CHP	5	2568.500	-32.36	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-35.07	-10	Pass
2570	2585	0.02	CHP	/	/	/	/	/

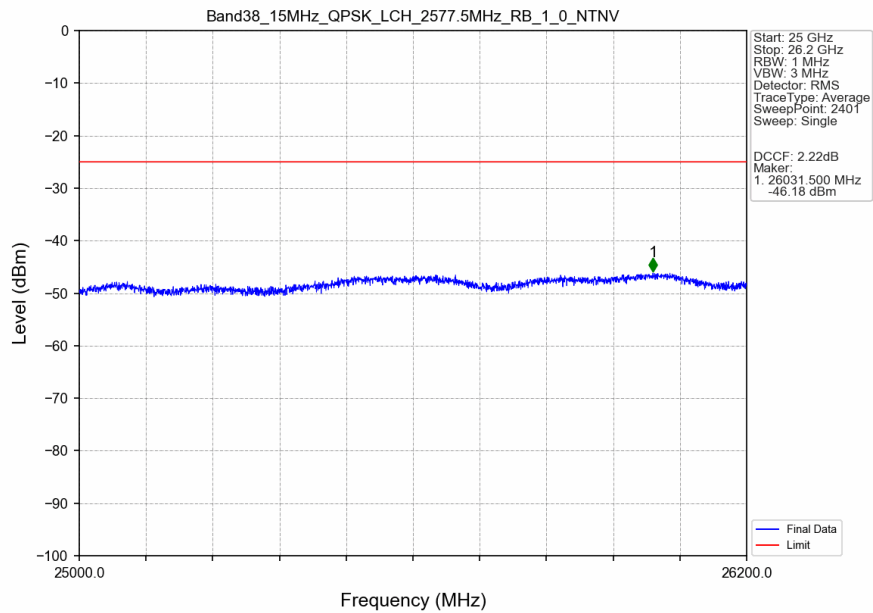
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



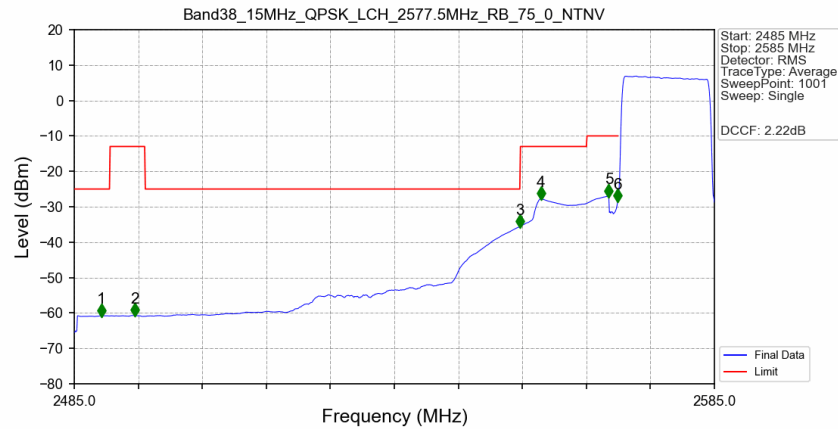
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

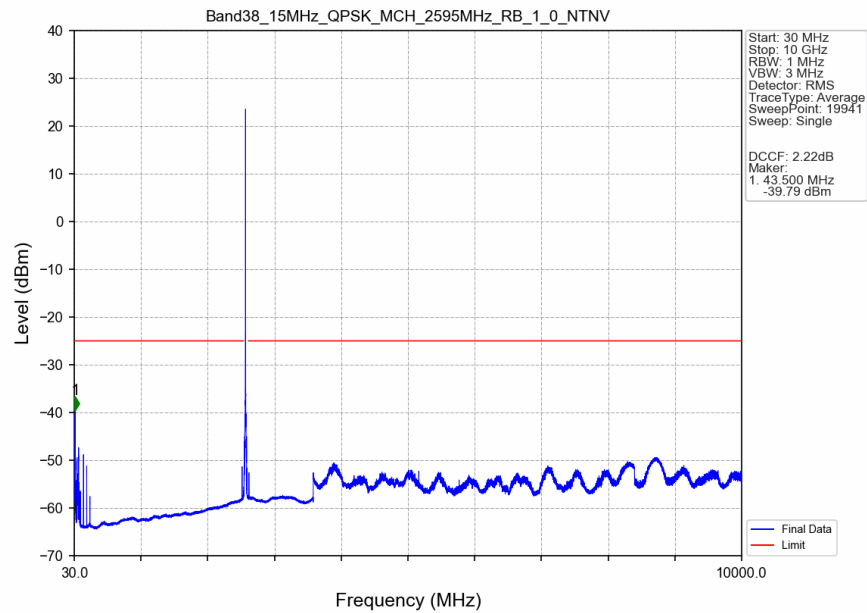


Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV

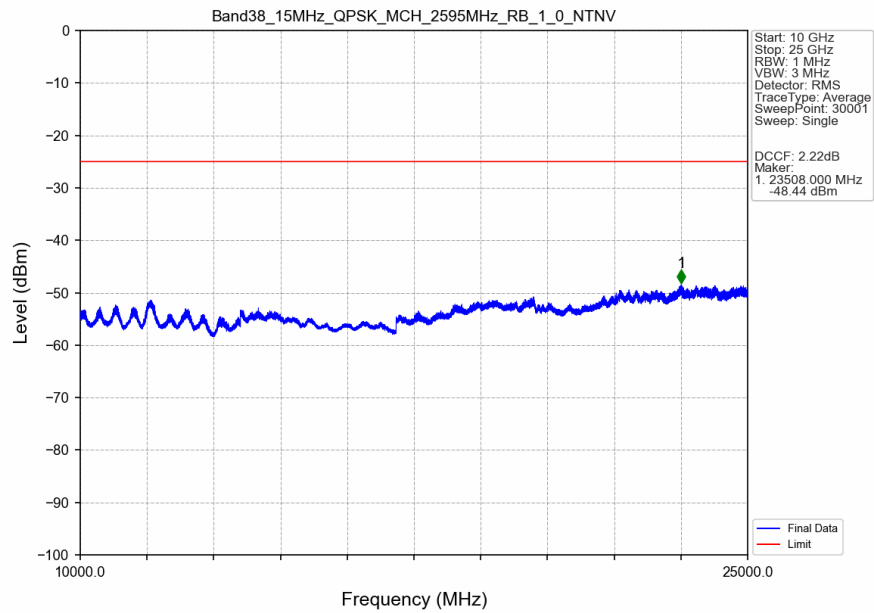


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.200	-60.76	-25	Pass
2490.5	2496	1	CHP	2	2494.500	-60.67	-13	Pass
2496	2554.637	1	CHP	3	2554.600	-35.64	-25	Pass
2554.637	2565	1	CHP	4	2557.900	-27.74	-13	Pass
2565	2569	1	CHP	5	2568.500	-26.99	-10	Pass
2569	2570	0.307	CHP	6	2569.900	-28.48	-10	Pass
2570	2585	0.307	CHP	/	/	/	/	/

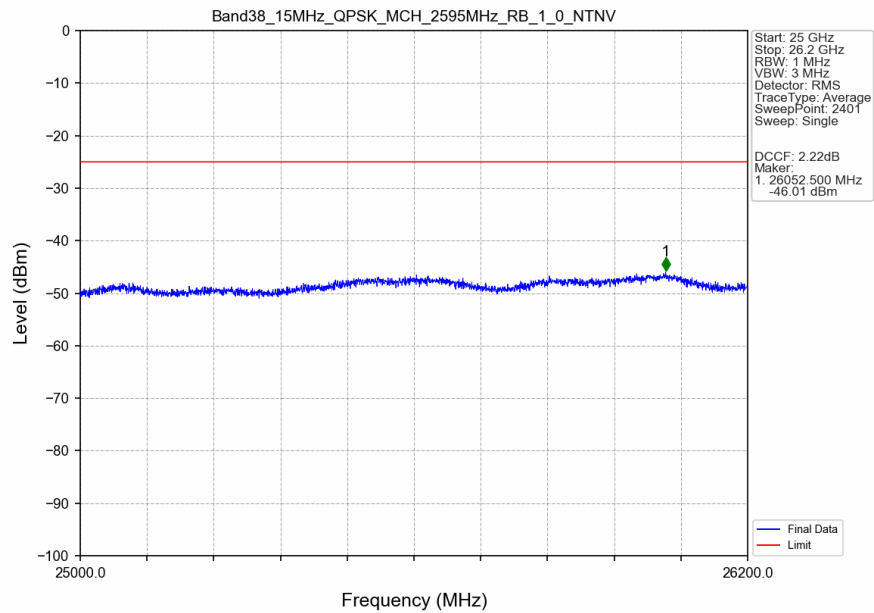
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



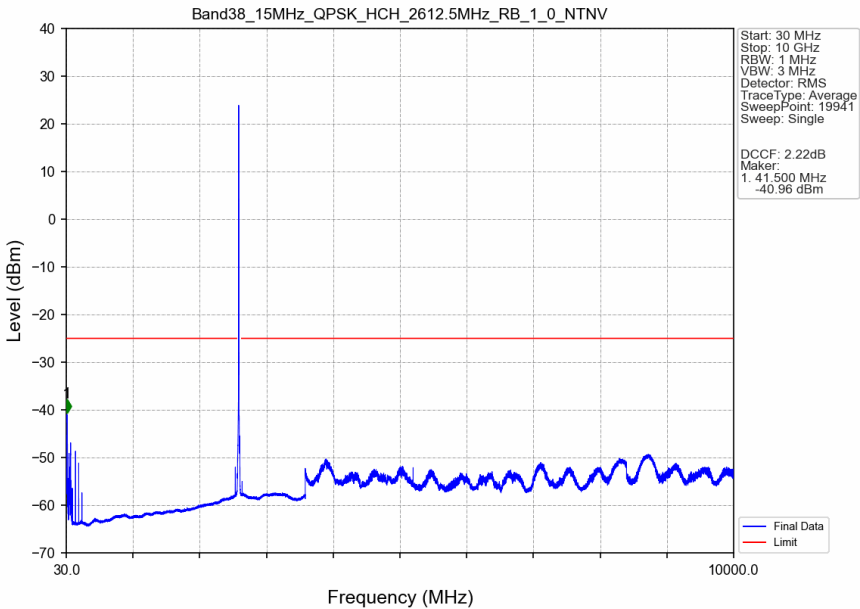
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



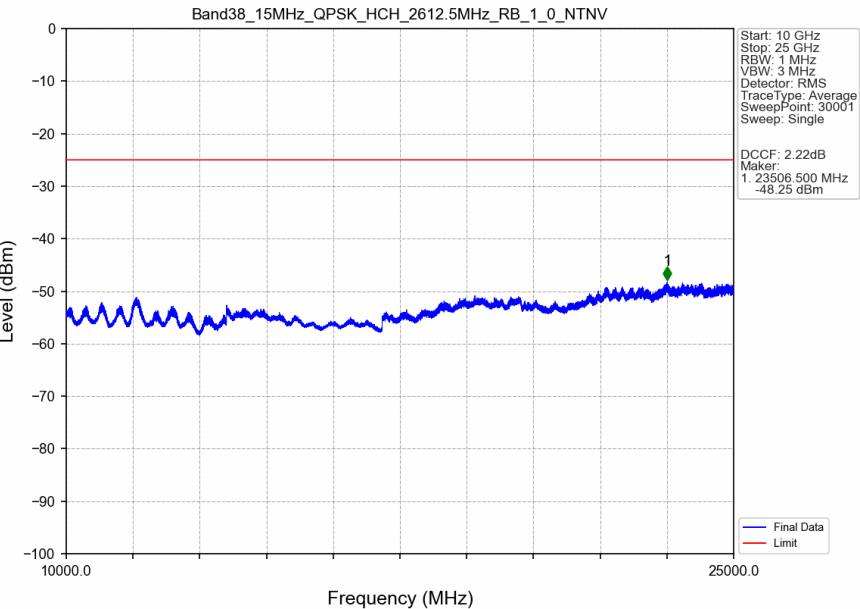
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



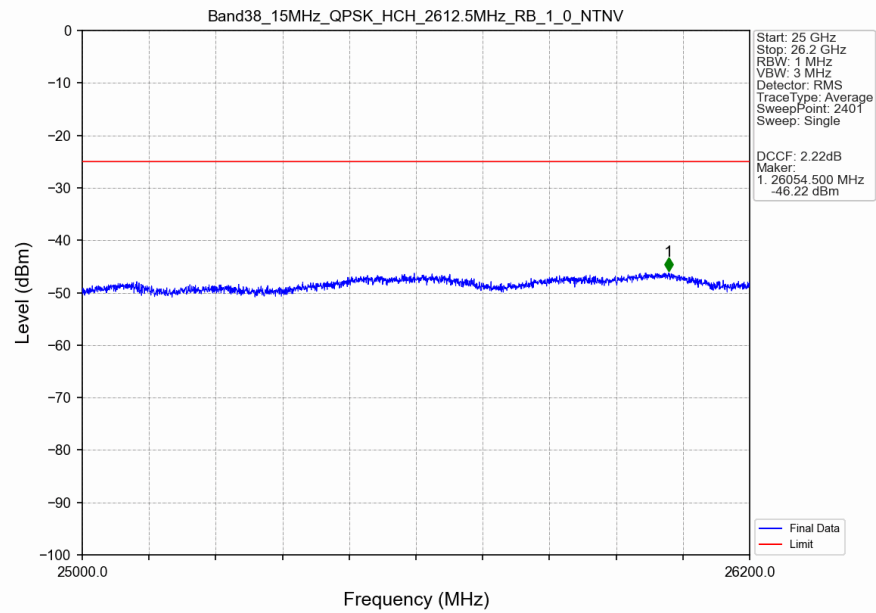
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



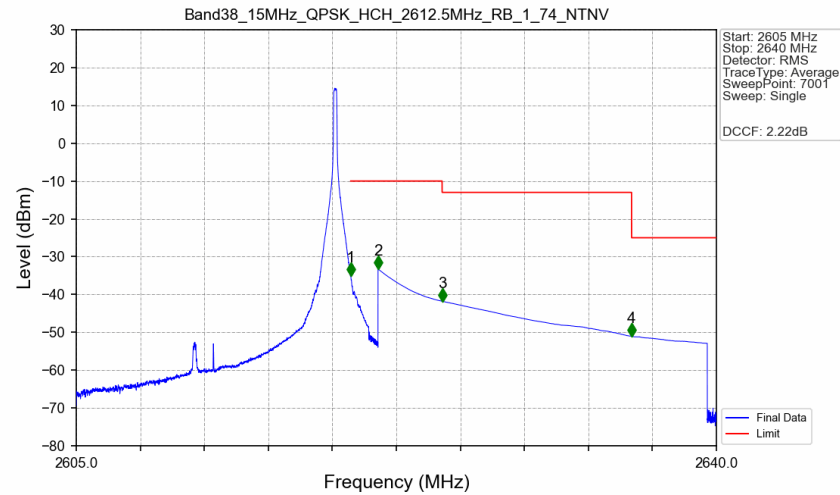
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV

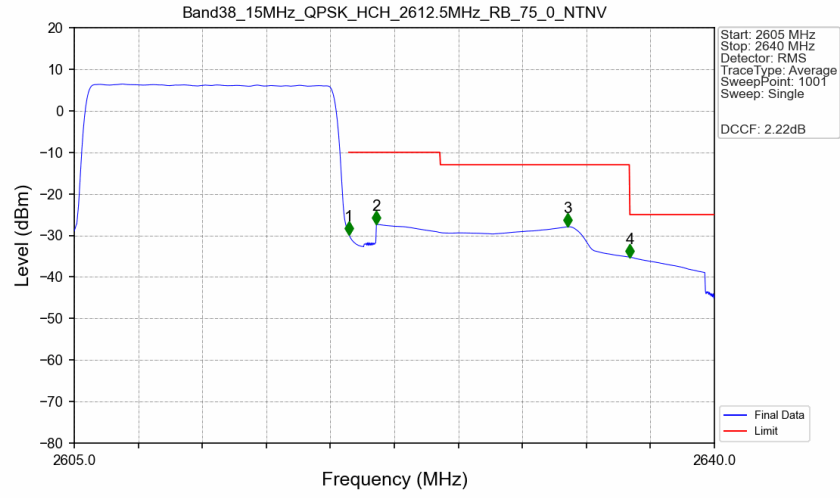


Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-35.07	-10	Pass
2621	2625	1	CHP	2	2621.500	-33.24	-10	Pass
2625	2635.363	1	CHP	3	2625.005	-41.79	-13	Pass
2635.363	2640	1	CHP	4	2635.365	-51.05	-25	Pass

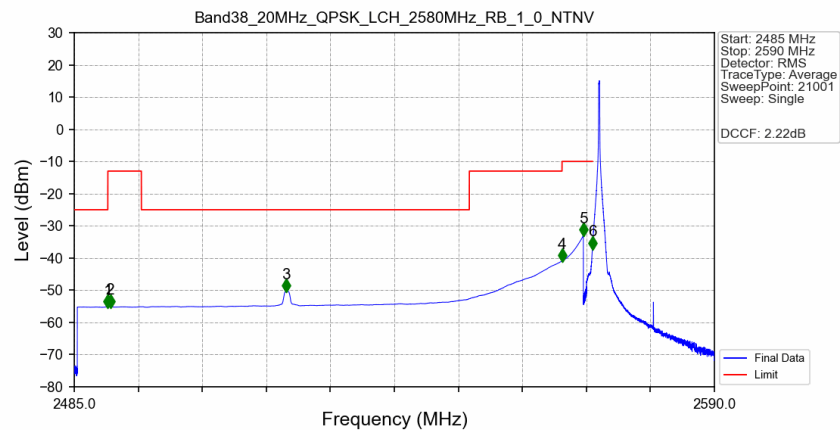
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.307	CHP	/	/	/	/	/
2620	2621	0.307	CHP	1	2620.015	-29.77	-10	Pass
2621	2625	1	CHP	2	2621.520	-27.34	-10	Pass
2625	2635.363	1	CHP	3	2631.985	-27.93	-13	Pass
2635.363	2640	1	CHP	4	2635.380	-35.25	-25	Pass

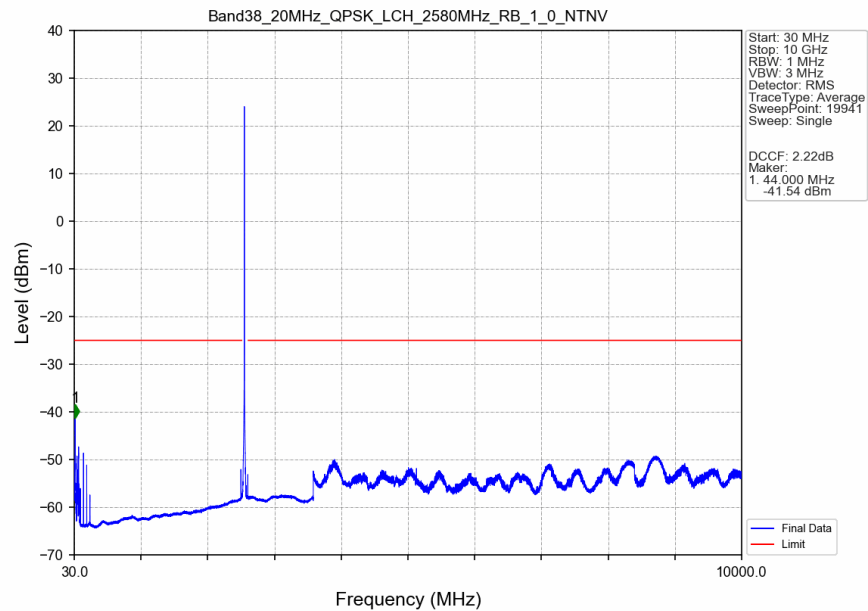
5.2.4 B38_20MHz

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

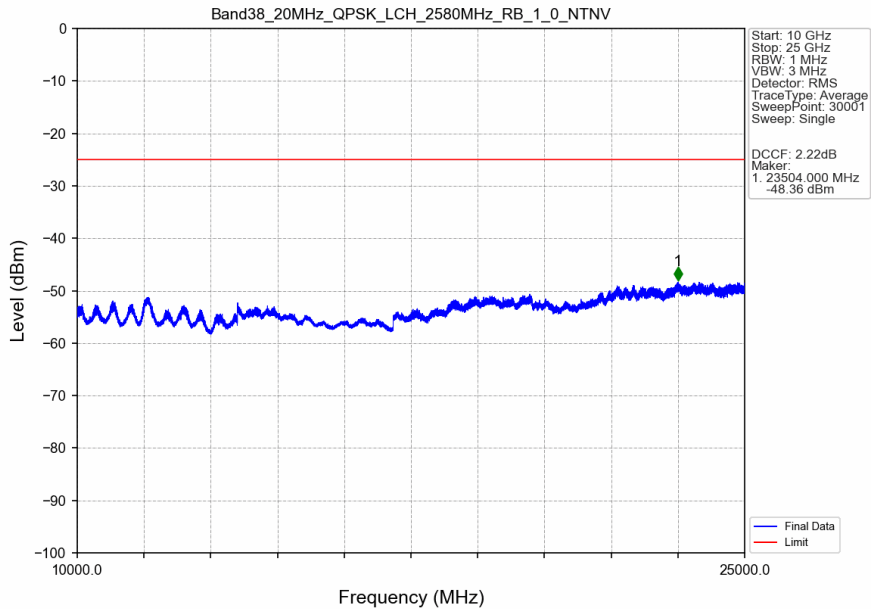


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-55.15	-25	Pass
2490.5	2496	1	CHP	2	2490.905	-55.13	-13	Pass
2496	2549.796	1	CHP	3	2519.765	-50.30	-25	Pass
2549.796	2565	1	CHP	4	2564.995	-40.95	-13	Pass
2565	2569	1	CHP	5	2568.500	-32.85	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-36.97	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

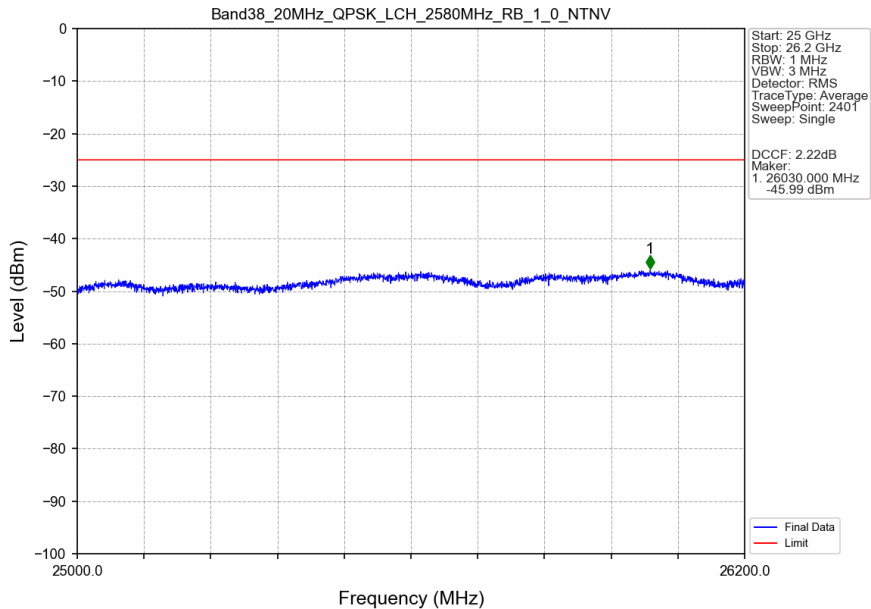
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



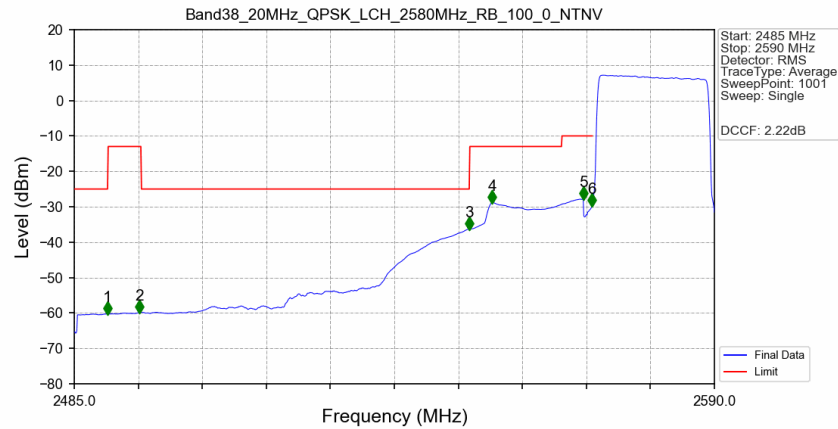
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTNV



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTNV

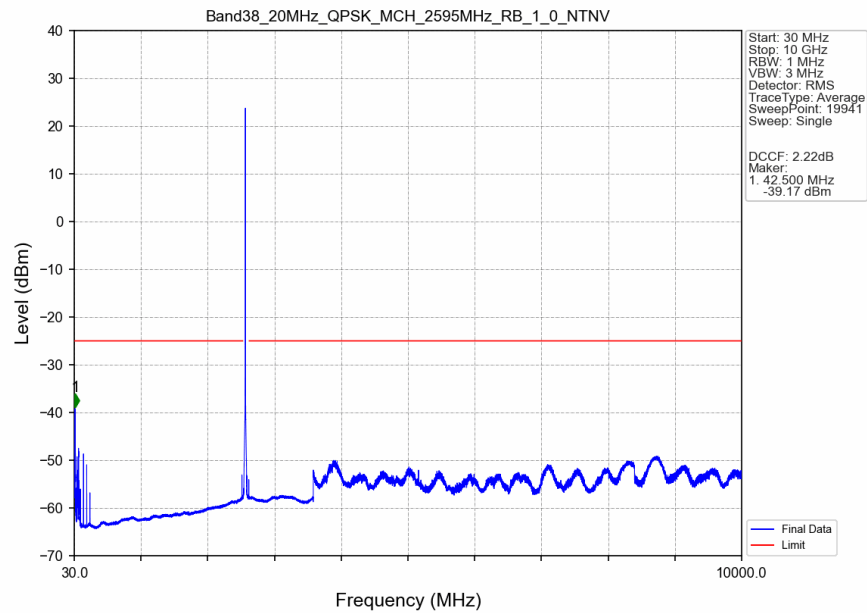


Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTV

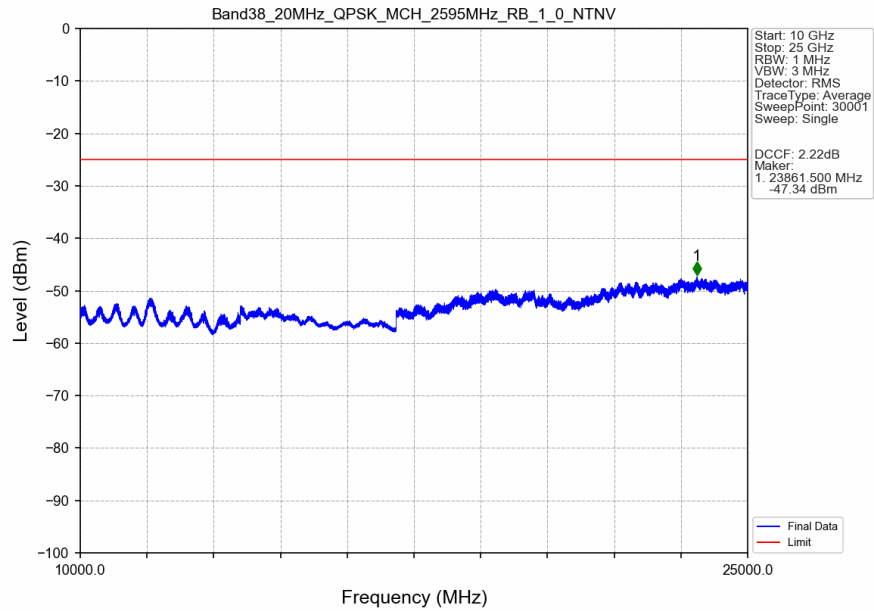


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.460	-60.21	-25	Pass
2490.5	2496	1	CHP	2	2495.710	-59.80	-13	Pass
2496	2549.796	1	CHP	3	2549.785	-36.26	-25	Pass
2549.796	2565	1	CHP	4	2553.565	-28.80	-13	Pass
2565	2569	1	CHP	5	2568.475	-27.84	-10	Pass
2569	2570	0.404	CHP	6	2569.945	-29.68	-10	Pass
2570	2590	0.404	CHP	/	/	/	/	/

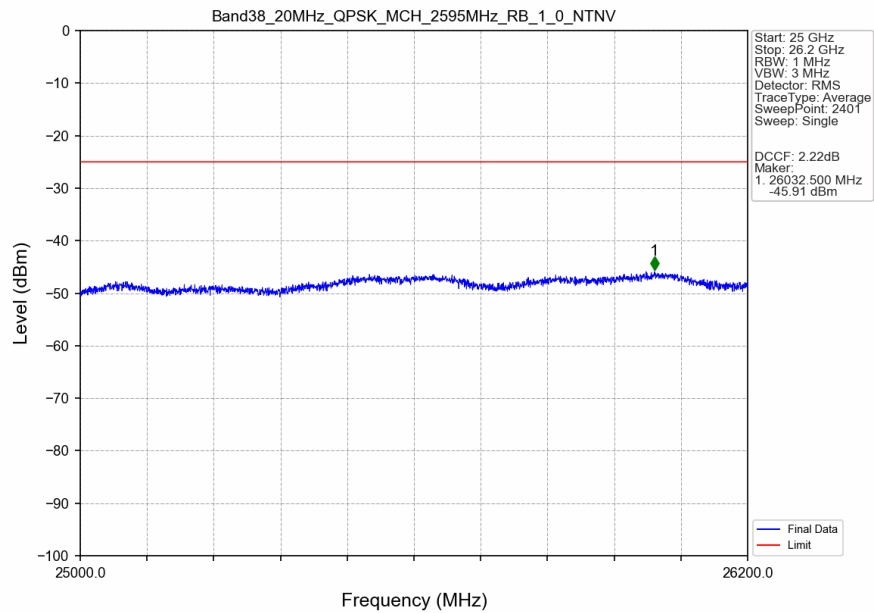
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



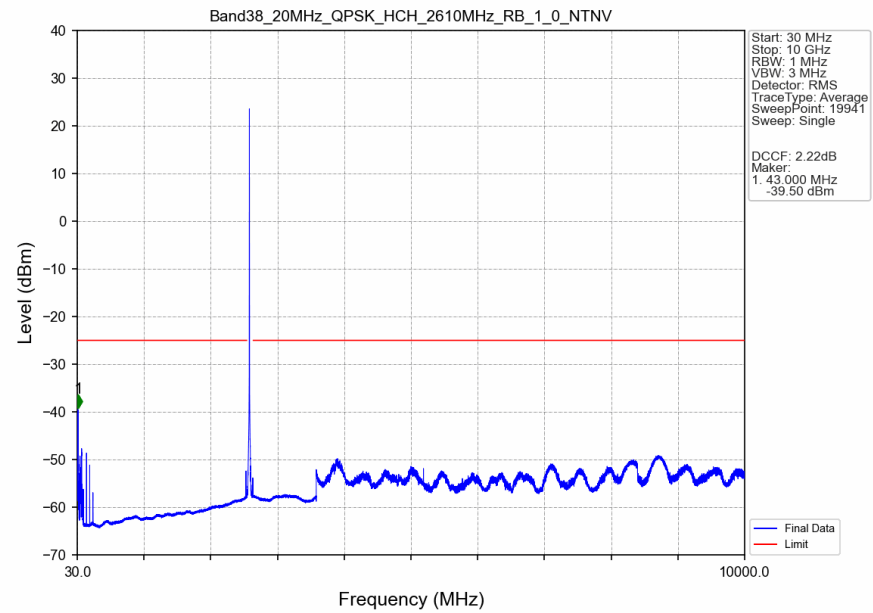
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTNV



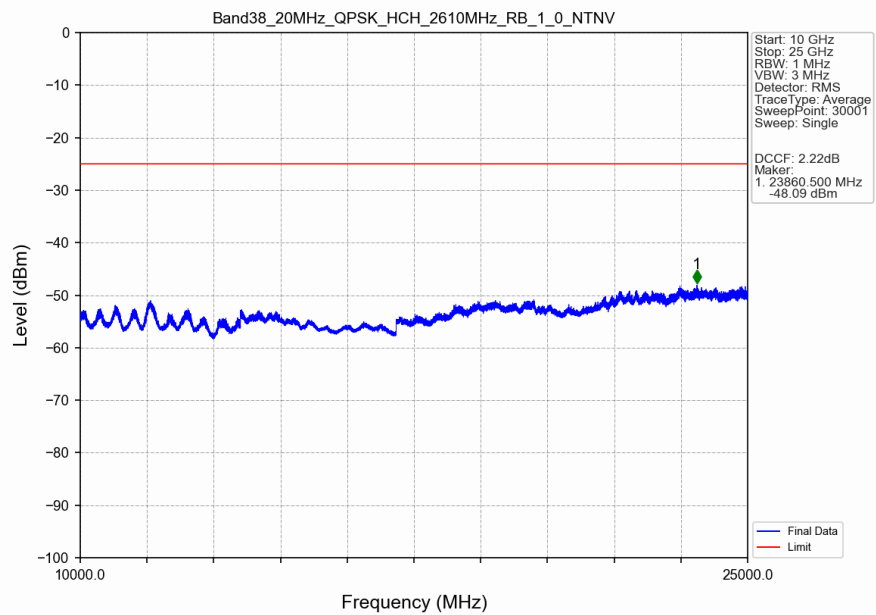
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTNV



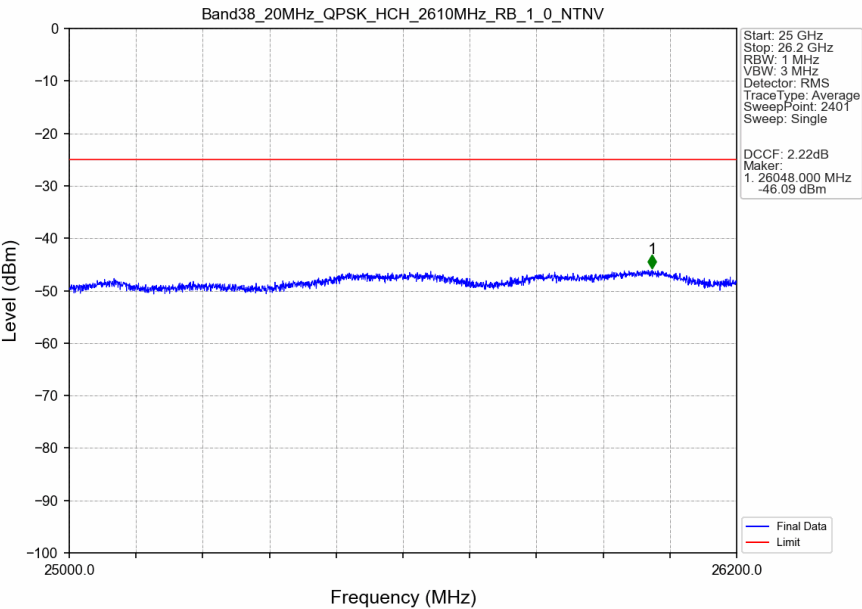
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



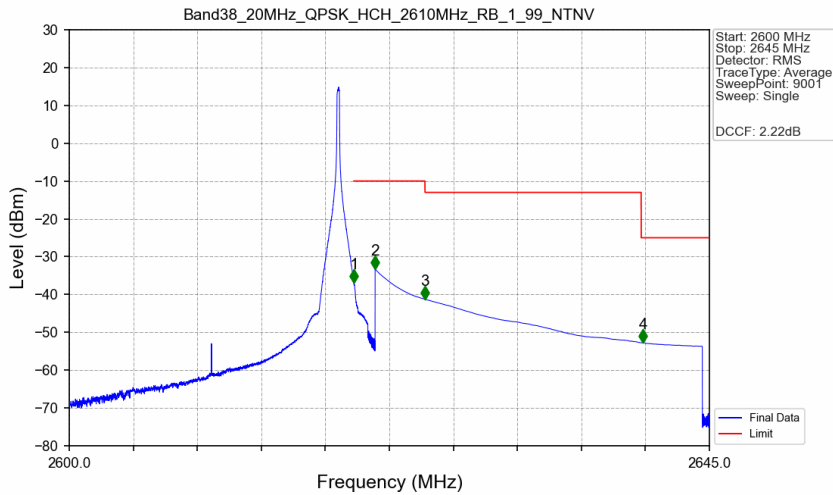
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTV

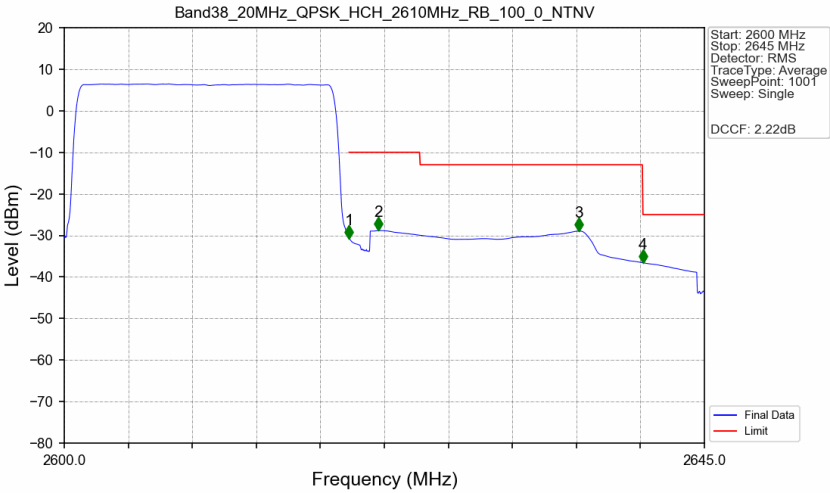


Band38 20MHz QPSK HCH 2610MHz RB 1 99 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-36.93	-10	Pass
2621	2625	1	CHP	2	2621.500	-33.20	-10	Pass
2625	2640.204	1	CHP	3	2625.005	-41.28	-13	Pass
2640.204	2645	1	CHP	4	2640.330	-52.76	-25	Pass

Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.413	CHP	/	/	/	/	/
2620	2621	0.413	CHP	1	2620.025	-30.68	-10	Pass
2621	2625	1	CHP	2	2622.095	-28.83	-10	Pass
2625	2640.646	1	CHP	3	2636.180	-28.96	-13	Pass
2640.646	2645	1	CHP	4	2640.680	-36.60	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 38-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
5142.0	-63.5	-25	-38.5	-69.11	4.62	10.23	Horizontal	Pass
7713.0	-59.31	-25	-34.31	-66.34	4.96	11.99	Horizontal	Pass
10284.0	-56.42	-25	-31.42	-63.99	5.51	13.08	Horizontal	Pass
5142.0	-63.31	-25	-38.31	-68.92	4.62	10.23	Vertical	Pass
7713.0	-57.5	-25	-32.5	-64.53	4.96	11.99	Vertical	Pass
10284.0	-54.53	-25	-29.53	-62.1	5.51	13.08	Vertical	Pass

LTE Band 38-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
5172.0	-63.49	-25	-38.49	-69.11	4.63	10.25	Horizontal	Pass
7758.0	-58.73	-25	-33.73	-65.81	4.96	12.04	Horizontal	Pass
10344.0	-56.04	-25	-31.04	-63.61	5.52	13.09	Horizontal	Pass
5172.0	-63.68	-25	-38.68	-69.3	4.63	10.25	Vertical	Pass
7758.0	-54.68	-25	-29.68	-61.76	4.96	12.04	Vertical	Pass
10344.0	-53.27	-25	-28.27	-60.84	5.52	13.09	Vertical	Pass

LTE Band 38-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
5202.0	-63.69	-25	-38.69	-69.33	4.63	10.27	Horizontal	Pass
7803.0	-58.83	-25	-33.83	-65.97	4.96	12.1	Horizontal	Pass
10404.0	-56.46	-25	-31.46	-64.04	5.52	13.1	Horizontal	Pass
5202.0	-63.07	-25	-38.07	-68.71	4.63	10.27	Vertical	Pass
7803.0	-56.55	-25	-31.55	-63.69	4.96	12.1	Vertical	Pass
10404.0	-55.73	-25	-30.73	-63.31	5.52	13.1	Vertical	Pass