

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	22.10	-2.20	19.90	<=33.01	Pass
			13	22.26	-2.20	20.06	<=33.01	Pass
			24	22.42	-2.20	20.22	<=33.01	Pass
		12	0	21.21	-2.20	19.01	<=33.01	Pass
			6	21.29	-2.20	19.09	<=33.01	Pass
			13	21.24	-2.20	19.04	<=33.01	Pass
		25	0	21.34	-2.20	19.14	<=33.01	Pass
	2595	1	0	23.02	-2.20	20.82	<=33.01	Pass
			13	22.87	-2.20	20.67	<=33.01	Pass
			24	23.02	-2.20	20.82	<=33.01	Pass
		12	0	22.06	-2.20	19.86	<=33.01	Pass
			6	22.03	-2.20	19.83	<=33.01	Pass
			13	22.04	-2.20	19.84	<=33.01	Pass
		25	0	22.09	-2.20	19.89	<=33.01	Pass
	2617.5	1	0	23.08	-2.20	20.88	<=33.01	Pass
			13	23.05	-2.20	20.85	<=33.01	Pass
			24	23.08	-2.20	20.88	<=33.01	Pass
		12	0	22.11	-2.20	19.91	<=33.01	Pass
			6	22.09	-2.20	19.89	<=33.01	Pass
			13	22.06	-2.20	19.86	<=33.01	Pass
		25	0	22.13	-2.20	19.93	<=33.01	Pass
16QAM	2572.5	1	0	21.40	-2.20	19.20	<=33.01	Pass
			13	21.44	-2.20	19.24	<=33.01	Pass
			24	21.55	-2.20	19.35	<=33.01	Pass
		12	0	20.29	-2.20	18.09	<=33.01	Pass
			6	20.29	-2.20	18.09	<=33.01	Pass
			13	20.08	-2.20	17.88	<=33.01	Pass
		25	0	20.38	-2.20	18.18	<=33.01	Pass
	2595	1	0	21.92	-2.20	19.72	<=33.01	Pass
			13	21.95	-2.20	19.75	<=33.01	Pass
			24	21.87	-2.20	19.67	<=33.01	Pass
		12	0	21.02	-2.20	18.82	<=33.01	Pass
			6	21.02	-2.20	18.82	<=33.01	Pass
			13	21.02	-2.20	18.82	<=33.01	Pass
		25	0	21.11	-2.20	18.91	<=33.01	Pass
	2617.5	1	0	21.95	-2.20	19.75	<=33.01	Pass
			13	22.04	-2.20	19.84	<=33.01	Pass
			24	22.01	-2.20	19.81	<=33.01	Pass
		12	0	21.06	-2.20	18.86	<=33.01	Pass
			6	21.05	-2.20	18.85	<=33.01	Pass
			13	21.05	-2.20	18.85	<=33.01	Pass
		25	0	21.12	-2.20	18.92	<=33.01	Pass
64QAM	2572.5	1	0	20.01	-2.20	17.81	<=33.01	Pass
			13	20.06	-2.20	17.86	<=33.01	Pass
			24	20.15	-2.20	17.95	<=33.01	Pass
		12	0	19.31	-2.20	17.11	<=33.01	Pass
			6	19.35	-2.20	17.15	<=33.01	Pass
			13	19.40	-2.20	17.20	<=33.01	Pass
		25	0	19.41	-2.20	17.21	<=33.01	Pass

	2595	1	0	20.73	-2.20	18.53	<=33.01	Pass
			13	20.75	-2.20	18.55	<=33.01	Pass
			24	20.74	-2.20	18.54	<=33.01	Pass
		12	0	20.08	-2.20	17.88	<=33.01	Pass
			6	20.06	-2.20	17.86	<=33.01	Pass
			13	20.10	-2.20	17.90	<=33.01	Pass
		25	0	20.14	-2.20	17.94	<=33.01	Pass
	2617.5	1	0	20.78	-2.20	18.58	<=33.01	Pass
			13	20.75	-2.20	18.55	<=33.01	Pass
			24	20.76	-2.20	18.56	<=33.01	Pass
		12	0	20.09	-2.20	17.89	<=33.01	Pass
			6	20.11	-2.20	17.91	<=33.01	Pass
			13	20.11	-2.20	17.91	<=33.01	Pass
		25	0	20.12	-2.20	17.92	<=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	22.32	-2.20	20.12	<=33.01	Pass
			25	22.13	-2.20	19.93	<=33.01	Pass
			49	22.25	-2.20	20.05	<=33.01	Pass
		25	0	21.05	-2.20	18.85	<=33.01	Pass
			13	21.25	-2.20	19.05	<=33.01	Pass
			25	21.39	-2.20	19.19	<=33.01	Pass
		50	0	21.34	-2.20	19.14	<=33.01	Pass
	2595	1	0	23.05	-2.20	20.85	<=33.01	Pass
			25	23.04	-2.20	20.84	<=33.01	Pass
			49	22.96	-2.20	20.76	<=33.01	Pass
		25	0	22.09	-2.20	19.89	<=33.01	Pass
			13	22.09	-2.20	19.89	<=33.01	Pass
			25	22.01	-2.20	19.81	<=33.01	Pass
		50	0	22.06	-2.20	19.86	<=33.01	Pass
	2615	1	0	23.00	-2.20	20.80	<=33.01	Pass
			25	22.92	-2.20	20.72	<=33.01	Pass
			49	22.95	-2.20	20.75	<=33.01	Pass
		25	0	22.11	-2.20	19.91	<=33.01	Pass
			13	22.06	-2.20	19.86	<=33.01	Pass
			25	22.10	-2.20	19.90	<=33.01	Pass
		50	0	22.12	-2.20	19.92	<=33.01	Pass
16QAM	2575	1	0	21.48	-2.20	19.28	<=33.01	Pass
			25	21.54	-2.20	19.34	<=33.01	Pass
			49	21.65	-2.20	19.45	<=33.01	Pass
		25	0	20.27	-2.20	18.07	<=33.01	Pass
			13	20.23	-2.20	18.03	<=33.01	Pass
			25	20.15	-2.20	17.95	<=33.01	Pass
		50	0	20.43	-2.20	18.23	<=33.01	Pass
	2595	1	0	22.04	-2.20	19.84	<=33.01	Pass
			25	22.09	-2.20	19.89	<=33.01	Pass
			49	22.13	-2.20	19.93	<=33.01	Pass
		25	0	21.09	-2.20	18.89	<=33.01	Pass
			13	21.07	-2.20	18.87	<=33.01	Pass
			25	21.06	-2.20	18.86	<=33.01	Pass
		50	0	20.86	-2.20	18.66	<=33.01	Pass
	2615	1	0	22.14	-2.20	19.94	<=33.01	Pass

64QAM	2575	25	25	22.15	-2.20	19.95	<=33.01	Pass
			49	22.15	-2.20	19.95	<=33.01	Pass
			0	21.12	-2.20	18.92	<=33.01	Pass
		50	13	21.06	-2.20	18.86	<=33.01	Pass
			25	21.10	-2.20	18.90	<=33.01	Pass
			0	21.14	-2.20	18.94	<=33.01	Pass
	2595	1	0	20.07	-2.20	17.87	<=33.01	Pass
			25	20.14	-2.20	17.94	<=33.01	Pass
			49	20.26	-2.20	18.06	<=33.01	Pass
		25	0	19.24	-2.20	17.04	<=33.01	Pass
			13	19.28	-2.20	17.08	<=33.01	Pass
			25	19.42	-2.20	17.22	<=33.01	Pass
		50	0	19.25	-2.20	17.05	<=33.01	Pass
			0	20.75	-2.20	18.55	<=33.01	Pass
			25	20.76	-2.20	18.56	<=33.01	Pass
		25	49	20.73	-2.20	18.53	<=33.01	Pass
			0	20.13	-2.20	17.93	<=33.01	Pass
			13	20.10	-2.20	17.90	<=33.01	Pass
	2615	1	25	20.08	-2.20	17.88	<=33.01	Pass
			0	20.07	-2.20	17.87	<=33.01	Pass
			0	20.81	-2.20	18.61	<=33.01	Pass
		25	25	20.78	-2.20	18.58	<=33.01	Pass
			49	20.79	-2.20	18.59	<=33.01	Pass
			0	20.14	-2.20	17.94	<=33.01	Pass
		50	13	20.09	-2.20	17.89	<=33.01	Pass
			25	20.15	-2.20	17.95	<=33.01	Pass
			0	20.12	-2.20	17.92	<=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	22.31	-2.20	20.11	<=33.01	Pass
			38	22.21	-2.20	20.01	<=33.01	Pass
			74	22.40	-2.20	20.20	<=33.01	Pass
		36	0	21.45	-2.20	19.25	<=33.01	Pass
			18	21.43	-2.20	19.23	<=33.01	Pass
			39	21.55	-2.20	19.35	<=33.01	Pass
		75	0	21.50	-2.20	19.30	<=33.01	Pass
			0	22.95	-2.20	20.75	<=33.01	Pass
			38	22.98	-2.20	20.78	<=33.01	Pass
	2595	1	74	22.90	-2.20	20.70	<=33.01	Pass
			0	22.06	-2.20	19.86	<=33.01	Pass
			18	22.01	-2.20	19.81	<=33.01	Pass
		36	39	22.00	-2.20	19.80	<=33.01	Pass
			0	22.05	-2.20	19.85	<=33.01	Pass
			0	23.12	-2.20	20.92	<=33.01	Pass
		1	38	23.06	-2.20	20.86	<=33.01	Pass
			74	23.07	-2.20	20.87	<=33.01	Pass
			0	22.07	-2.20	19.87	<=33.01	Pass
	2612.5	36	18	22.06	-2.20	19.86	<=33.01	Pass
			39	22.06	-2.20	19.86	<=33.01	Pass
			0	22.07	-2.20	19.87	<=33.01	Pass
		75	0	22.07	-2.20	19.87	<=33.01	Pass
			0	21.47	-2.20	19.27	<=33.01	Pass
			38	21.59	-2.20	19.39	<=33.01	Pass

		36	74	21.79	-2.20	19.59	<=33.01	Pass	
			0	20.19	-2.20	17.99	<=33.01	Pass	
			18	20.43	-2.20	18.23	<=33.01	Pass	
			39	20.58	-2.20	18.38	<=33.01	Pass	
		75	0	20.53	-2.20	18.33	<=33.01	Pass	
	2595	1	0	22.10	-2.20	19.90	<=33.01	Pass	
			38	22.14	-2.20	19.94	<=33.01	Pass	
			74	22.05	-2.20	19.85	<=33.01	Pass	
		36	0	21.02	-2.20	18.82	<=33.01	Pass	
			18	20.99	-2.20	18.79	<=33.01	Pass	
			39	20.97	-2.20	18.77	<=33.01	Pass	
		75	0	21.06	-2.20	18.86	<=33.01	Pass	
	2612.5	1	0	22.19	-2.20	19.99	<=33.01	Pass	
			38	22.15	-2.20	19.95	<=33.01	Pass	
			74	22.16	-2.20	19.96	<=33.01	Pass	
		36	0	21.05	-2.20	18.85	<=33.01	Pass	
			18	21.01	-2.20	18.81	<=33.01	Pass	
			39	21.03	-2.20	18.83	<=33.01	Pass	
		75	0	21.12	-2.20	18.92	<=33.01	Pass	
	64QAM	2577.5	1	0	20.08	-2.20	17.88	<=33.01	Pass
				38	20.22	-2.20	18.02	<=33.01	Pass
				74	20.39	-2.20	18.19	<=33.01	Pass
			36	0	19.40	-2.20	17.20	<=33.01	Pass
				18	19.49	-2.20	17.29	<=33.01	Pass
39				19.59	-2.20	17.39	<=33.01	Pass	
75			0	19.56	-2.20	17.36	<=33.01	Pass	
2595		1	0	20.69	-2.20	18.49	<=33.01	Pass	
			38	20.75	-2.20	18.55	<=33.01	Pass	
			74	20.70	-2.20	18.50	<=33.01	Pass	
		36	0	20.06	-2.20	17.86	<=33.01	Pass	
			18	20.01	-2.20	17.81	<=33.01	Pass	
			39	20.01	-2.20	17.81	<=33.01	Pass	
		75	0	20.07	-2.20	17.87	<=33.01	Pass	
2612.5		1	0	20.74	-2.20	18.54	<=33.01	Pass	
			38	20.71	-2.20	18.51	<=33.01	Pass	
			74	20.68	-2.20	18.48	<=33.01	Pass	
		36	0	20.07	-2.20	17.87	<=33.01	Pass	
			18	20.03	-2.20	17.83	<=33.01	Pass	
			39	20.06	-2.20	17.86	<=33.01	Pass	
		75	0	20.12	-2.20	17.92	<=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	22.07	-2.20	19.87	<=33.01	Pass
			50	22.26	-2.20	20.06	<=33.01	Pass
			99	22.64	-2.20	20.44	<=33.01	Pass
		50	0	21.27	-2.20	19.07	<=33.01	Pass
			25	21.45	-2.20	19.25	<=33.01	Pass
			50	21.77	-2.20	19.57	<=33.01	Pass
		100	0	21.60	-2.20	19.40	<=33.01	Pass
			0	21.60	-2.20	19.40	<=33.01	Pass
	2595	1	0	22.86	-2.20	20.66	<=33.01	Pass
			50	22.99	-2.20	20.79	<=33.01	Pass
			99	22.89	-2.20	20.69	<=33.01	Pass

		50	0	22.08	-2.20	19.88	<=33.01	Pass			
			25	22.07	-2.20	19.87	<=33.01	Pass			
			50	22.06	-2.20	19.86	<=33.01	Pass			
		100	0	22.07	-2.20	19.87	<=33.01	Pass			
			2610	1	0	23.05	-2.20	20.85	<=33.01	Pass	
					50	23.07	-2.20	20.87	<=33.01	Pass	
		99			23.06	-2.20	20.86	<=33.01	Pass		
		50		0	22.15	-2.20	19.95	<=33.01	Pass		
				25	22.08	-2.20	19.88	<=33.01	Pass		
	50			22.11	-2.20	19.91	<=33.01	Pass			
	100	0	22.13	-2.20	19.93	<=33.01	Pass				
	16QAM	2580	1	0	21.49	-2.20	19.29	<=33.01	Pass		
50				21.64	-2.20	19.44	<=33.01	Pass			
99				21.94	-2.20	19.74	<=33.01	Pass			
50			0	20.53	-2.20	18.33	<=33.01	Pass			
			25	20.48	-2.20	18.28	<=33.01	Pass			
			50	20.81	-2.20	18.61	<=33.01	Pass			
			100	0	20.52	-2.20	18.32	<=33.01	Pass		
			2595	1	0	22.01	-2.20	19.81	<=33.01	Pass	
50					22.15	-2.20	19.95	<=33.01	Pass		
99		22.03			-2.20	19.83	<=33.01	Pass			
50		0		21.09	-2.20	18.89	<=33.01	Pass			
		25		20.96	-2.20	18.76	<=33.01	Pass			
		50		21.09	-2.20	18.89	<=33.01	Pass			
		100		0	21.07	-2.20	18.87	<=33.01	Pass		
2610		1	0	22.28	-2.20	20.08	<=33.01	Pass			
			50	22.14	-2.20	19.94	<=33.01	Pass			
			99	22.09	-2.20	19.89	<=33.01	Pass			
		50	0	21.17	-2.20	18.97	<=33.01	Pass			
			25	20.96	-2.20	18.76	<=33.01	Pass			
			50	21.15	-2.20	18.95	<=33.01	Pass			
			100	0	21.14	-2.20	18.94	<=33.01	Pass		
			64QAM	2580	1	0	20.11	-2.20	17.91	<=33.01	Pass
						50	20.25	-2.20	18.05	<=33.01	Pass
99		20.58				-2.20	18.38	<=33.01	Pass		
50		0			19.29	-2.20	17.09	<=33.01	Pass		
		25			19.30	-2.20	17.10	<=33.01	Pass		
		50			19.64	-2.20	17.44	<=33.01	Pass		
	100	0			19.59	-2.20	17.39	<=33.01	Pass		
	2595	1			0	20.67	-2.20	18.47	<=33.01	Pass	
50					20.76	-2.20	18.56	<=33.01	Pass		
99				20.68	-2.20	18.48	<=33.01	Pass			
50		0		20.08	-2.20	17.88	<=33.01	Pass			
		25		20.05	-2.20	17.85	<=33.01	Pass			
		50	20.09	-2.20	17.89	<=33.01	Pass				
100	0	20.04	-2.20	17.84	<=33.01	Pass					
2610	1	0	20.88	-2.20	18.68	<=33.01	Pass				
		50	20.77	-2.20	18.57	<=33.01	Pass				
		99	20.79	-2.20	18.59	<=33.01	Pass				
	50	0	20.16	-2.20	17.96	<=33.01	Pass				
		25	20.12	-2.20	17.92	<=33.01	Pass				
		50	20.13	-2.20	17.93	<=33.01	Pass				
	100	0	20.06	-2.20	17.86	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2595	50	0	20	LV	11.300	0.0044	-2.5 to 2.5	Pass
					NV	-10.900	-0.0042	-2.5 to 2.5	Pass
					HV	-18.300	-0.0071	-2.5 to 2.5	Pass
				-30	NV	-9.900	-0.0038	-2.5 to 2.5	Pass
				-20	NV	-1.900	-0.0007	-2.5 to 2.5	Pass
				-10	NV	-6.200	-0.0024	-2.5 to 2.5	Pass
				0	NV	5.100	0.0020	-2.5 to 2.5	Pass
				10	NV	-8.000	-0.0031	-2.5 to 2.5	Pass
				30	NV	-9.200	-0.0035	-2.5 to 2.5	Pass
				40	NV	7.300	0.0028	-2.5 to 2.5	Pass
				50	NV	2.600	0.0010	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

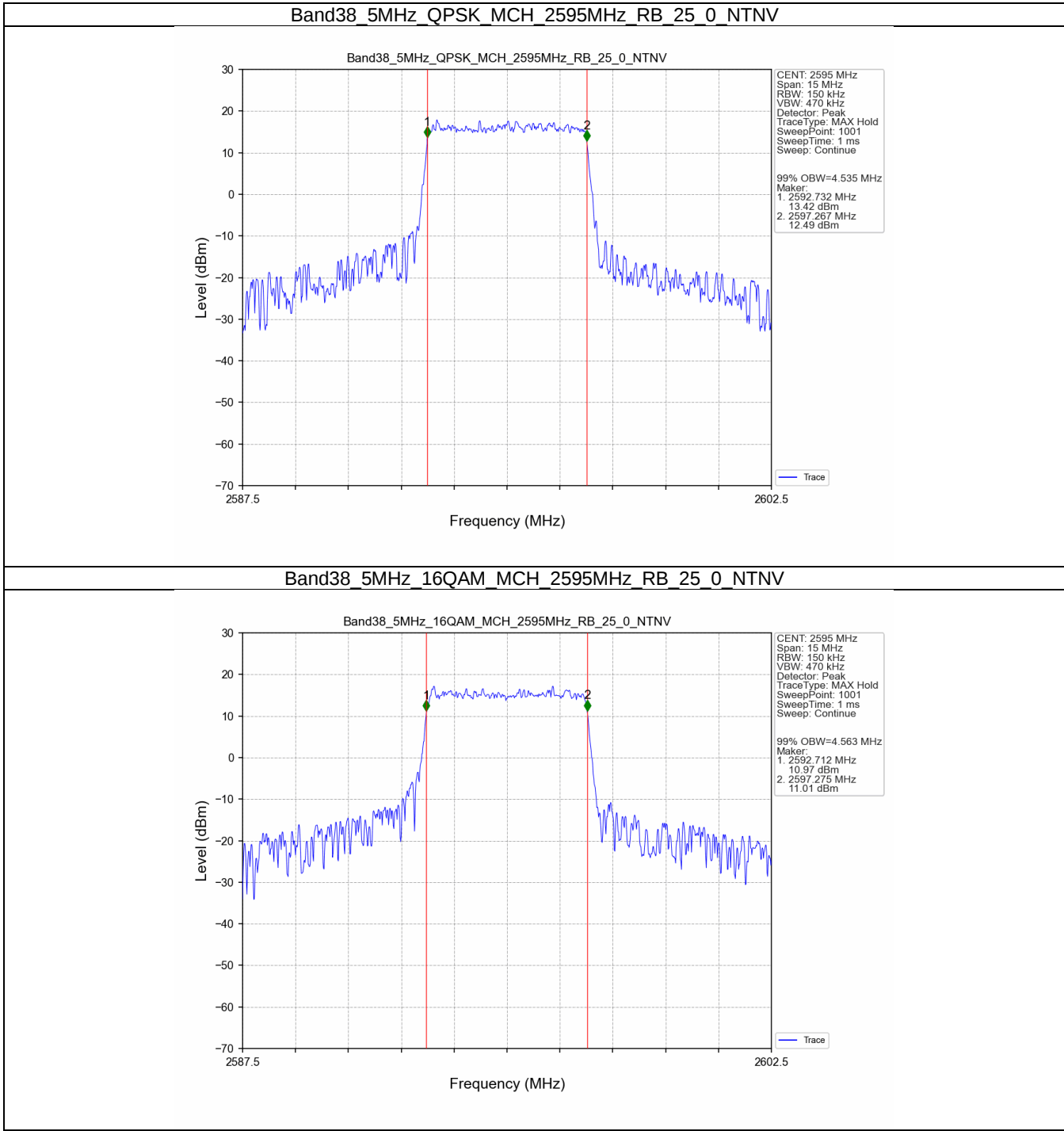
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.535	/	Pass
	16QAM	2595	25	0	4.563	/	Pass
10	QPSK	2595	50	0	9.068	/	Pass
	16QAM	2595	50	0	9.046	/	Pass
15	QPSK	2595	75	0	13.681	/	Pass
	16QAM	2595	75	0	13.627	/	Pass
20	QPSK	2595	100	0	18.117	/	Pass
	16QAM	2595	100	0	18.148	/	Pass

3.1.2 Band38_XDB

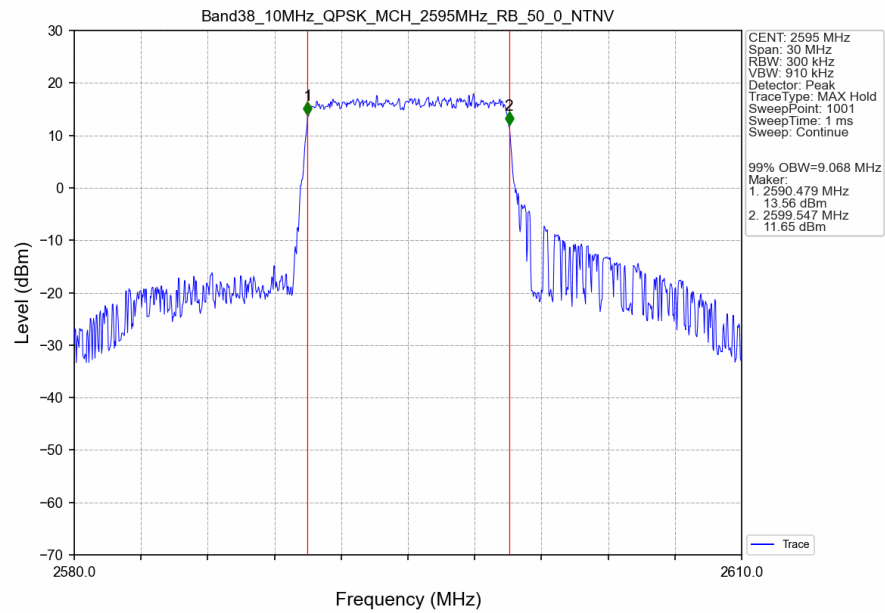
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.106	/	Pass
	16QAM	2595	25	0	5.365	/	Pass
10	QPSK	2595	50	0	11.253	/	Pass
	16QAM	2595	50	0	11.751	/	Pass
15	QPSK	2595	75	0	19.878	/	Pass
	16QAM	2595	75	0	18.241	/	Pass
20	QPSK	2595	100	0	23.692	/	Pass
	16QAM	2595	100	0	26.291	/	Pass

3.2 Test Graph

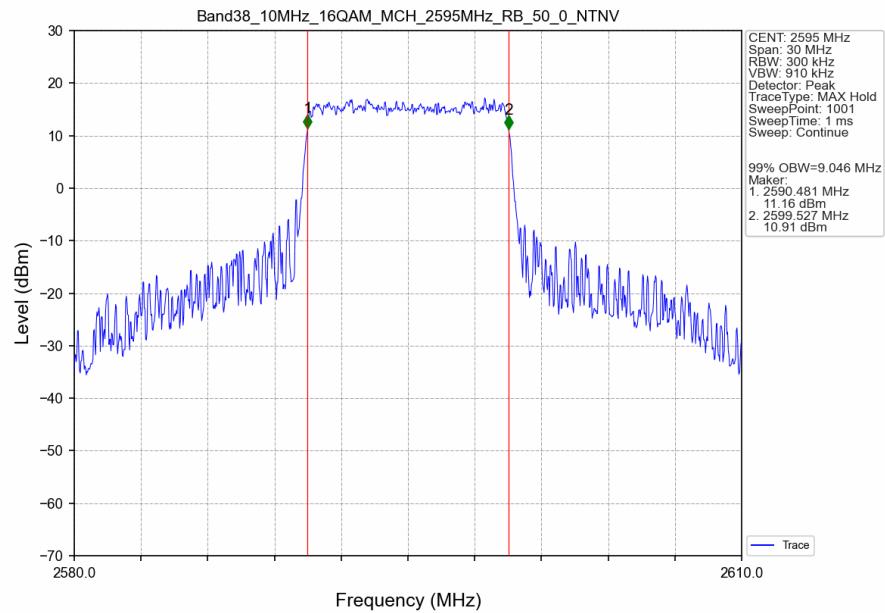
3.2.1 Band38_OBW



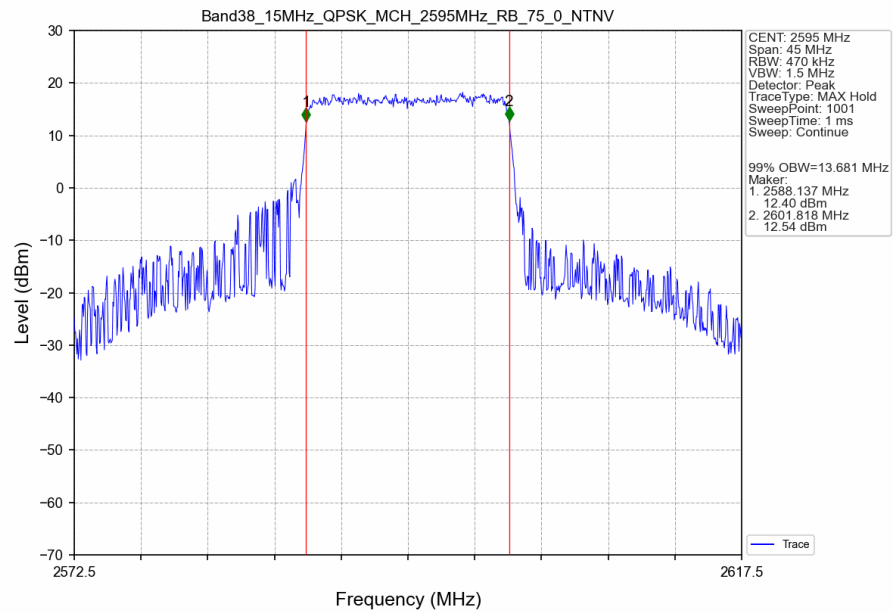
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



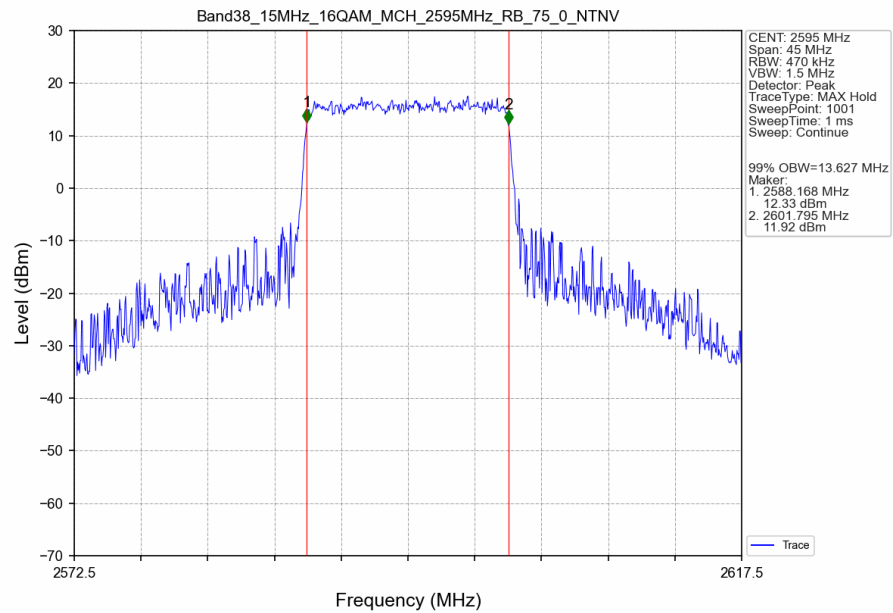
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



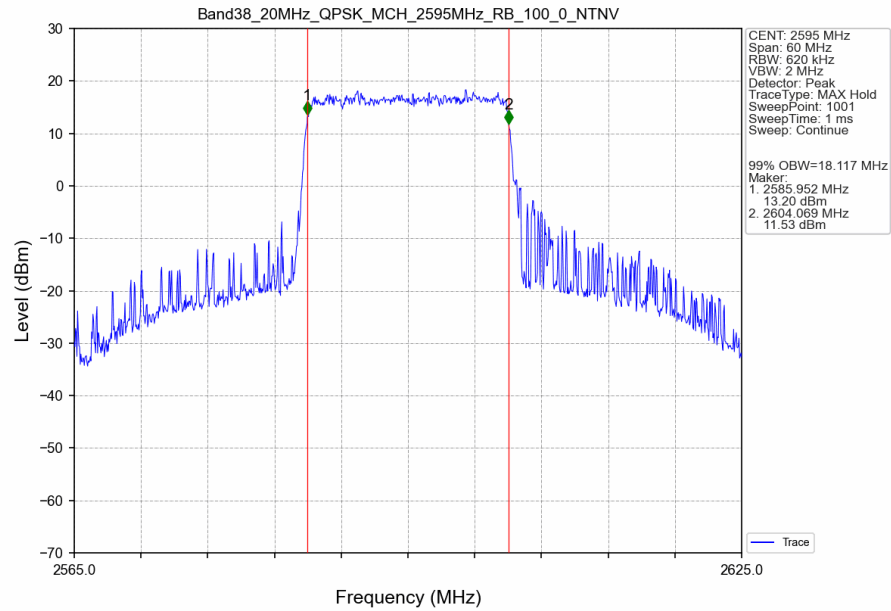
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



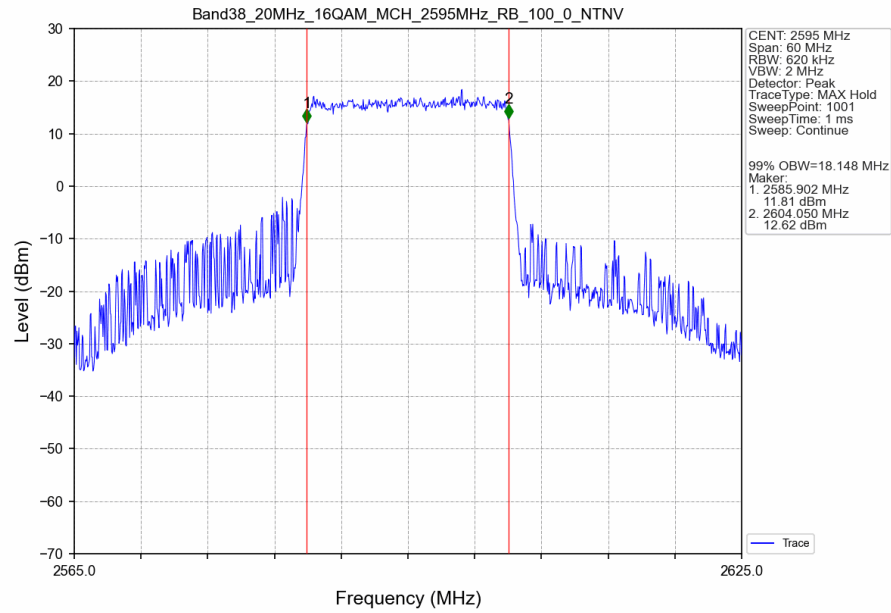
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



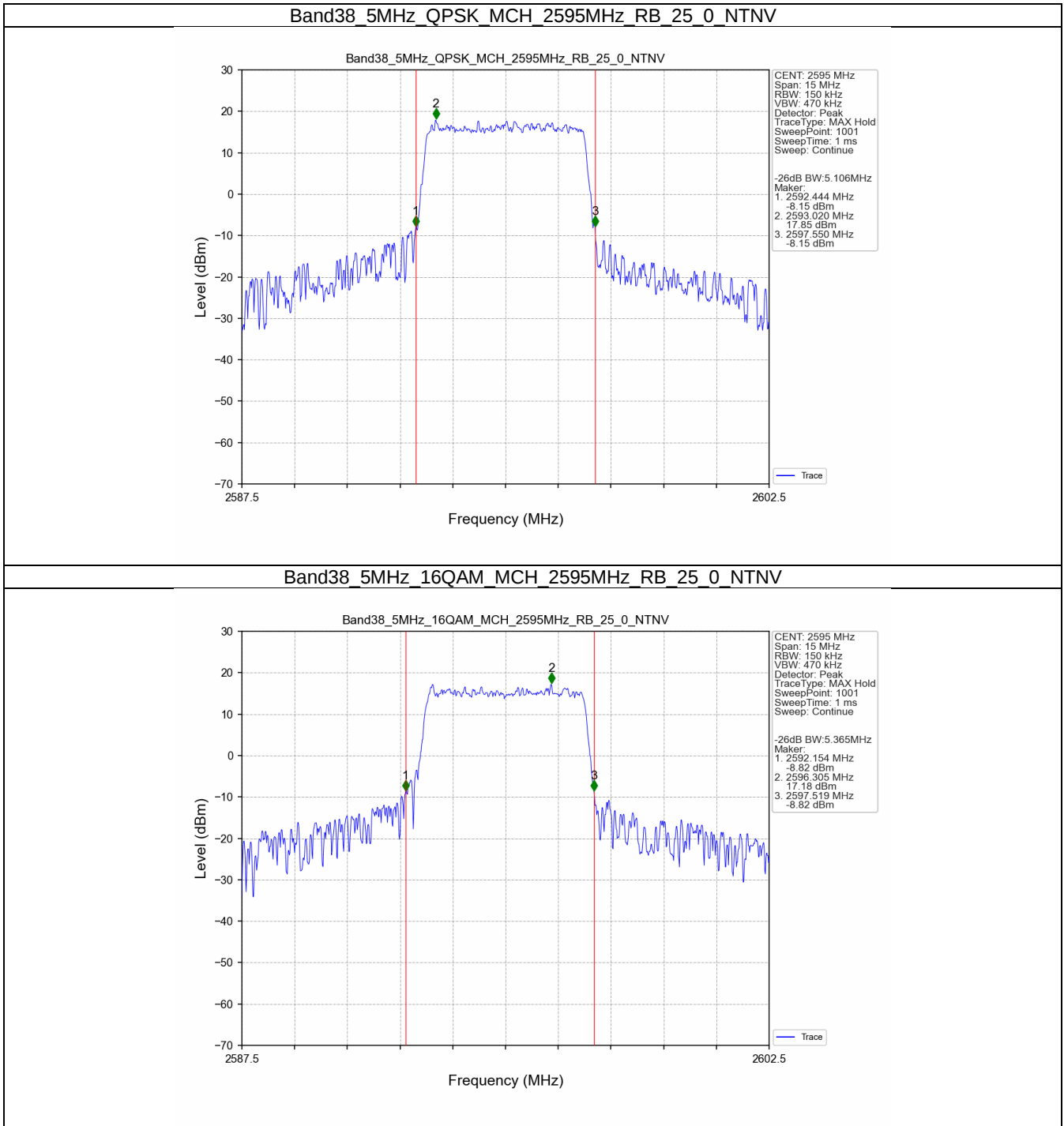
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



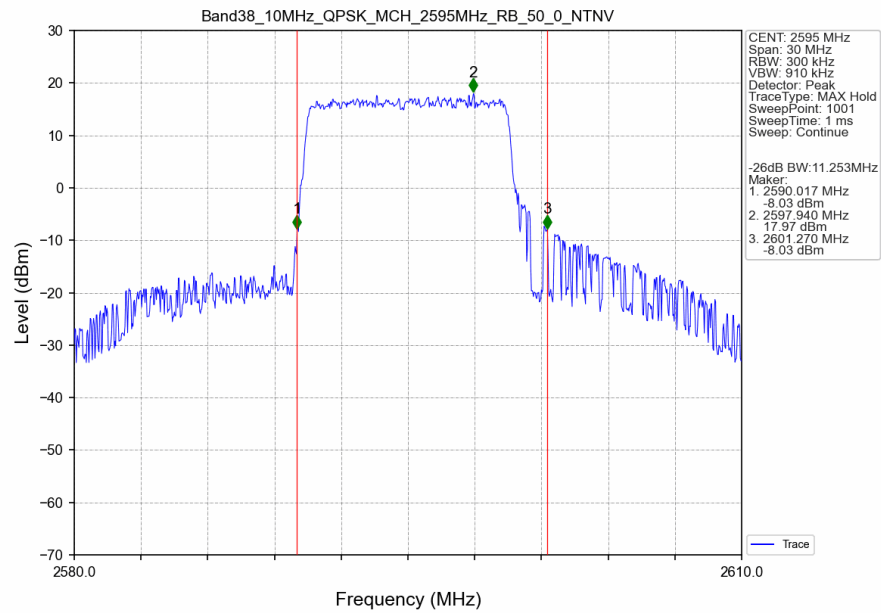
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTNV



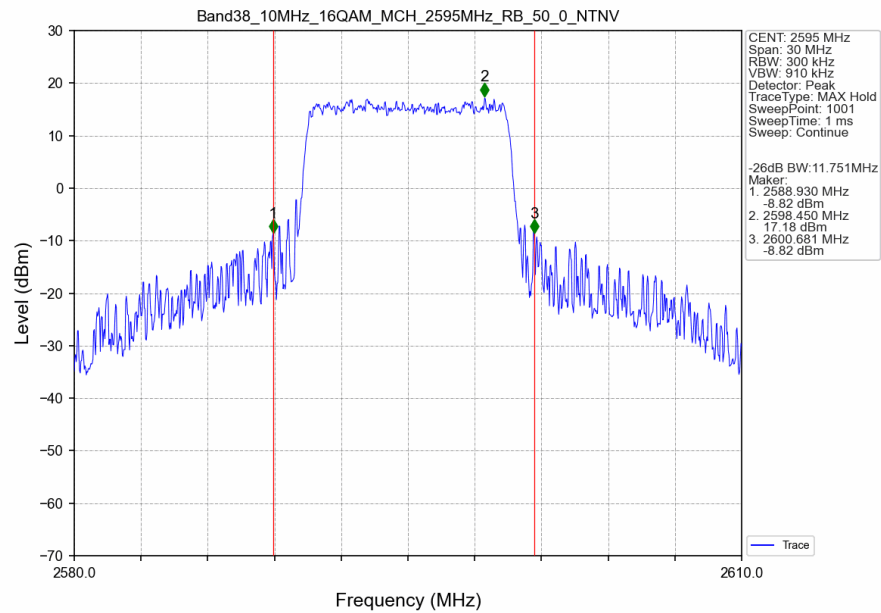
3.2.2 Band38_XDB



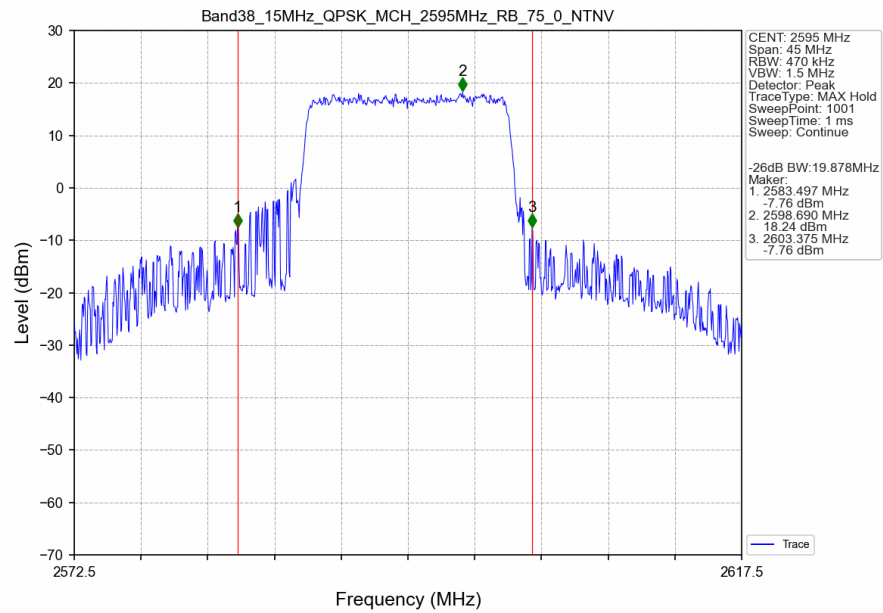
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



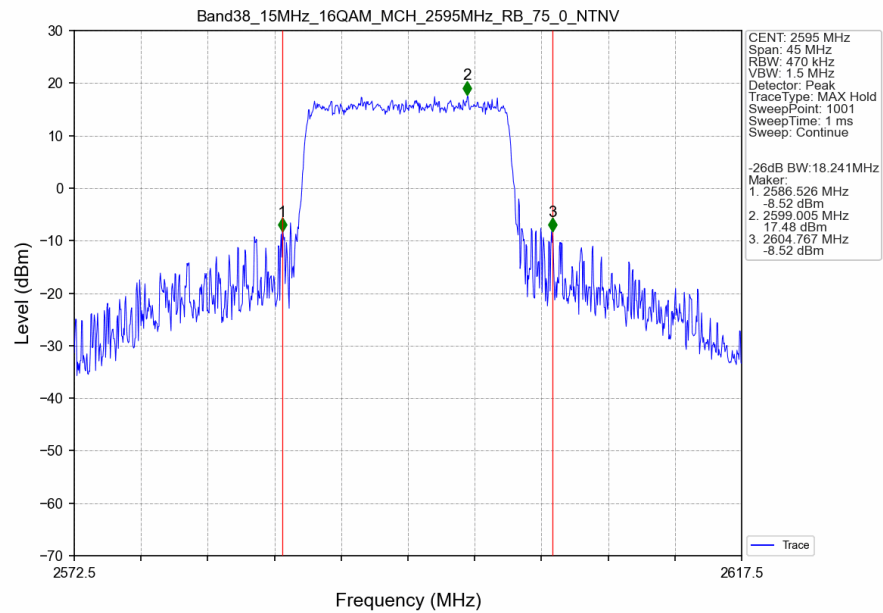
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



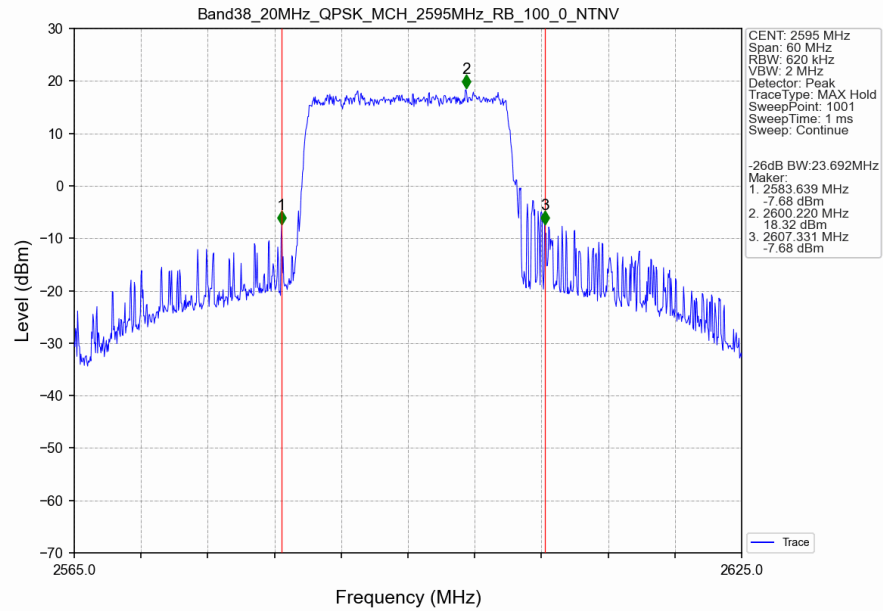
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



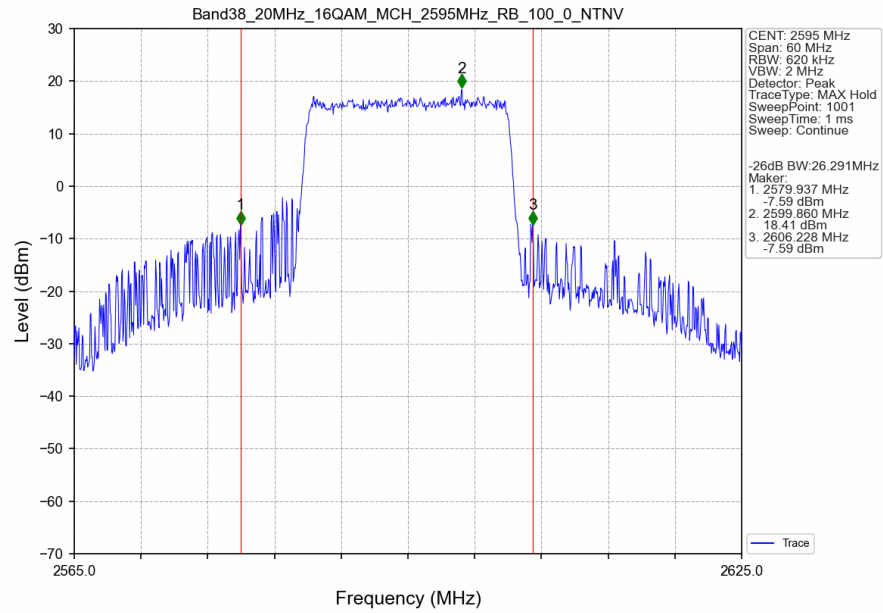
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



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



4. Peak-Average Ratio

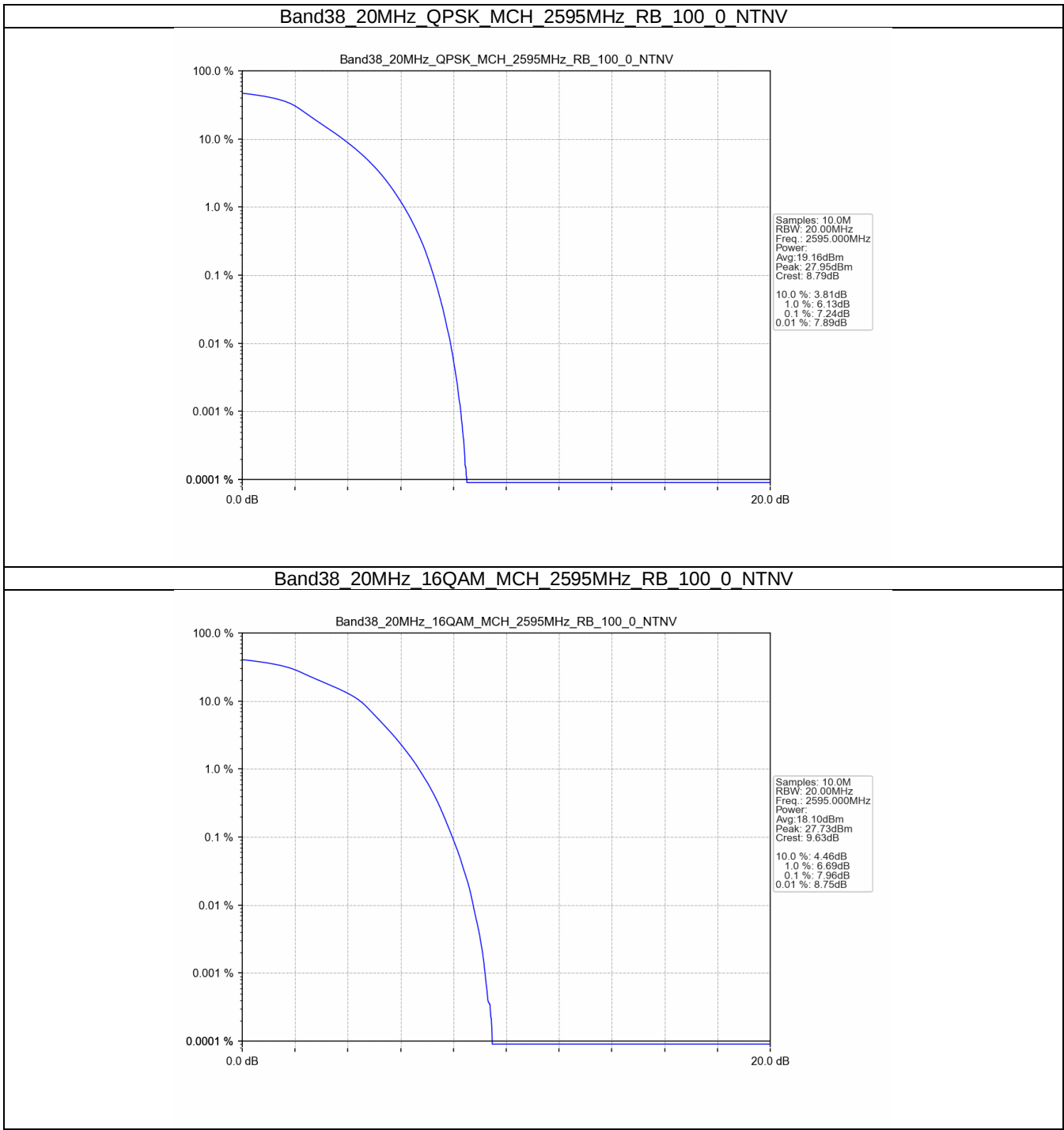
4.1 Test Result

4.1.1 B38_20MHz

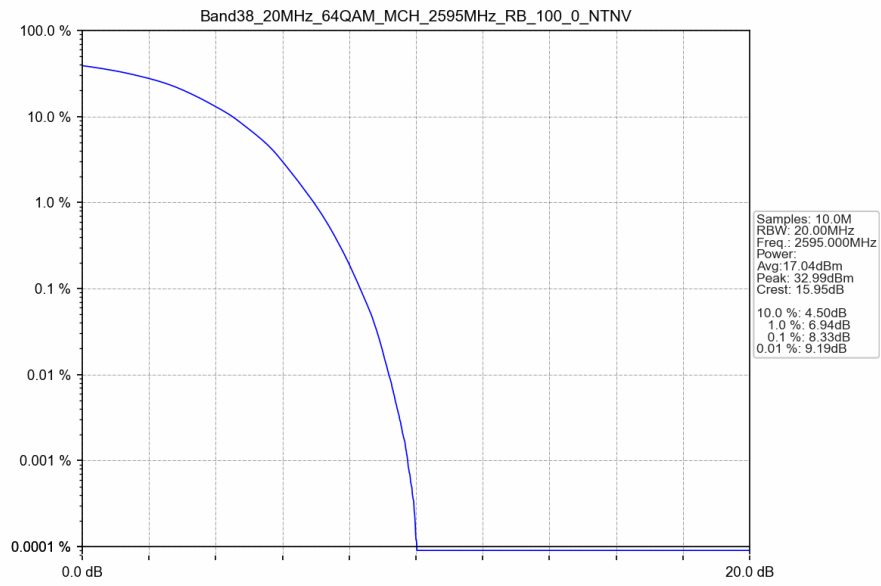
Band: 38 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	100	0	7.24	<=13	Pass
16QAM	2595	100	0	7.96	<=13	Pass
64QAM	2595	100	0	8.33	<=13	Pass

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 / NTVN						
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

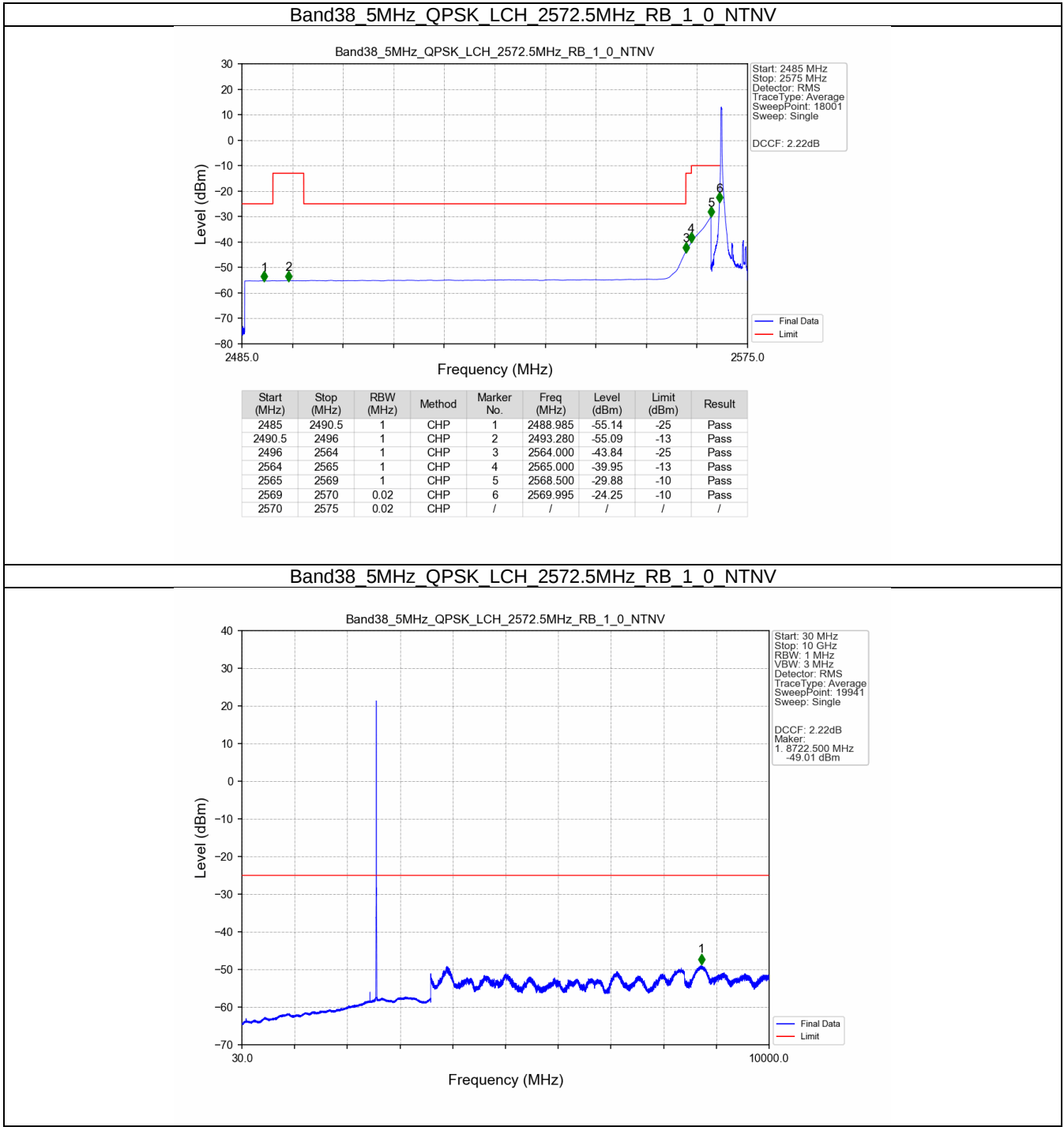
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

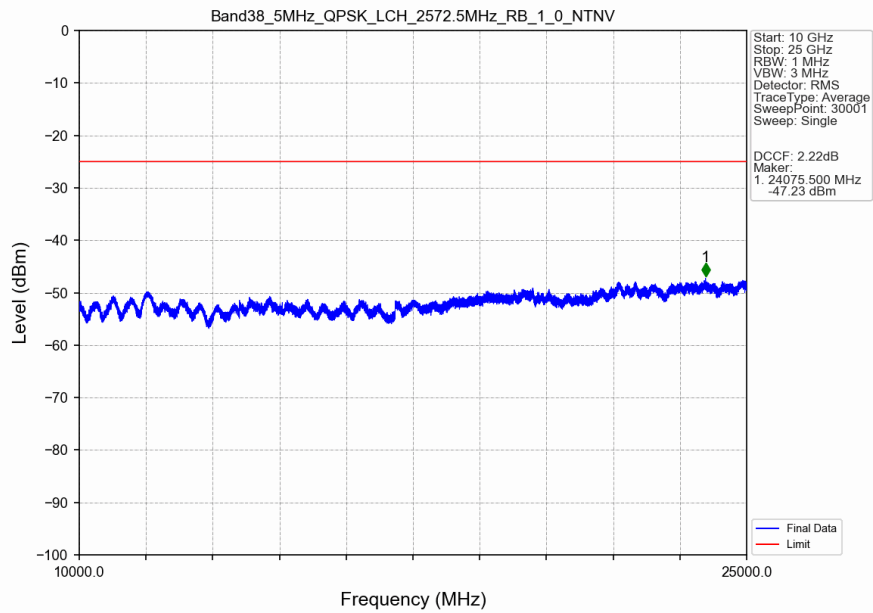
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

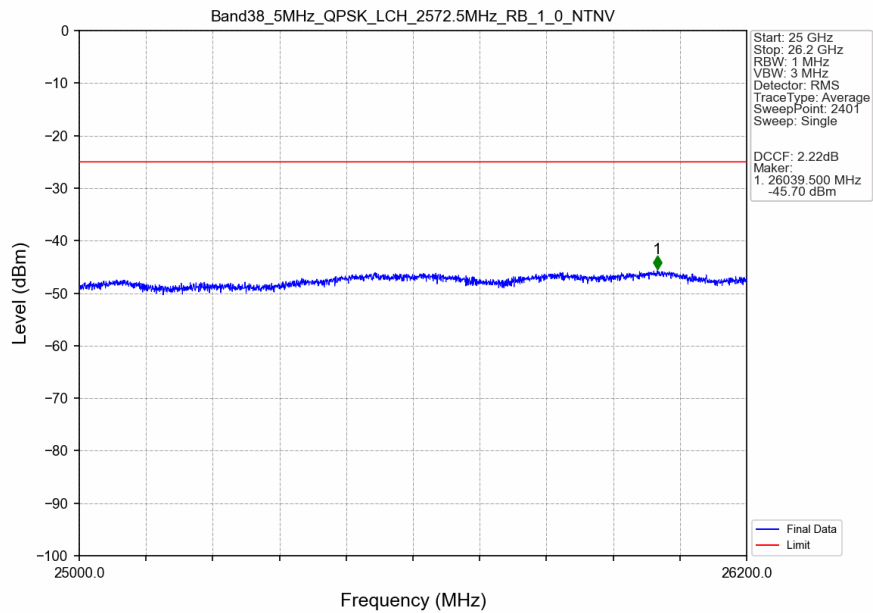
5.2.1 B38_5MHz



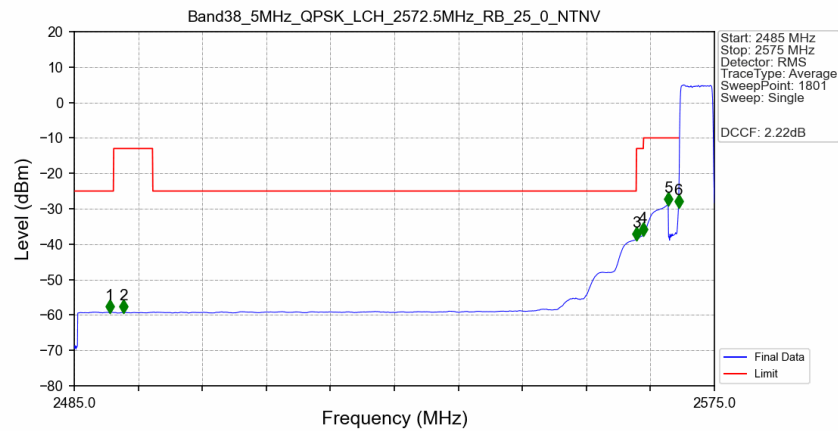
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV

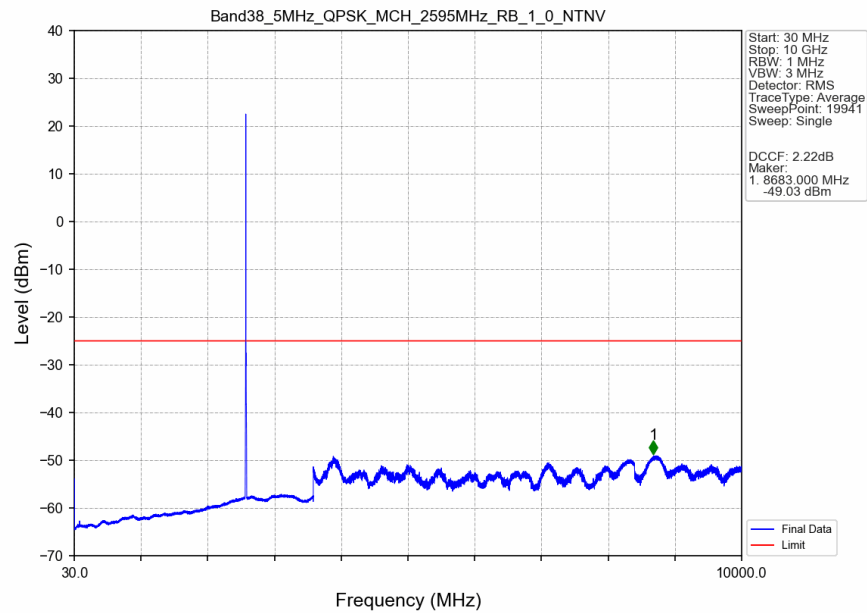


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

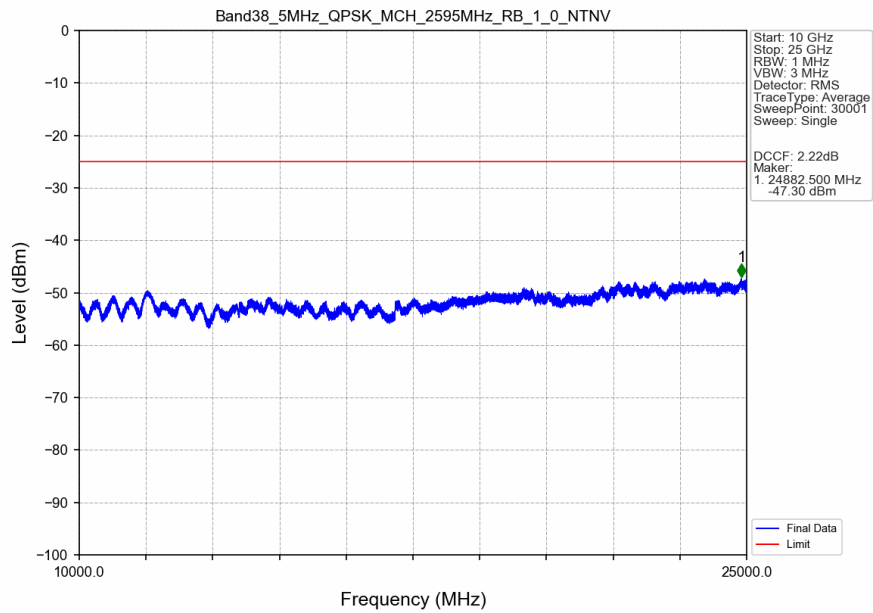


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.000	-59.16	-25	Pass
2490.5	2496	1	CHP	2	2491.900	-59.24	-13	Pass
2496	2564	1	CHP	3	2564.000	-38.73	-25	Pass
2564	2565	1	CHP	4	2565.000	-37.41	-13	Pass
2565	2569	1	CHP	5	2568.500	-28.77	-10	Pass
2569	2570	0.102	CHP	6	2569.950	-29.46	-10	Pass
2570	2575	0.102	CHP	/	/	/	/	/

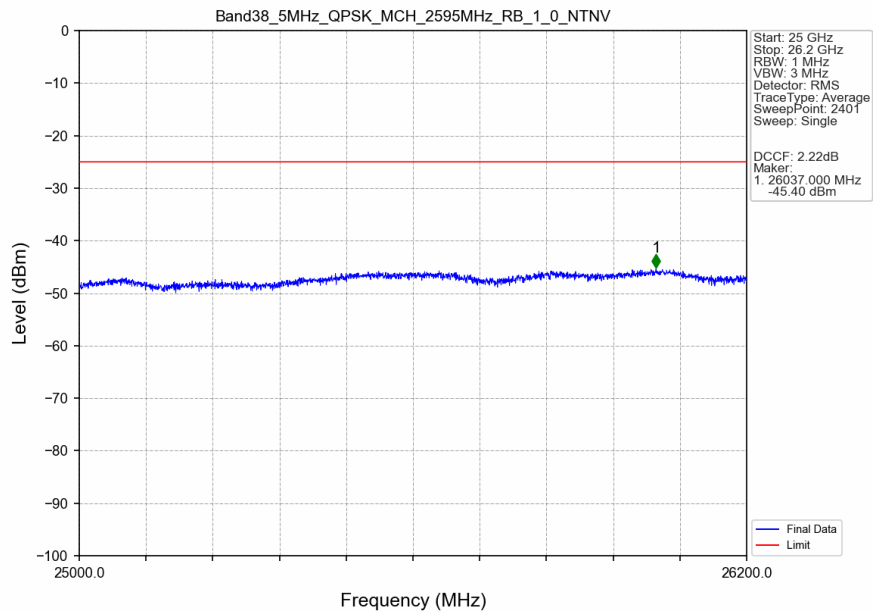
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



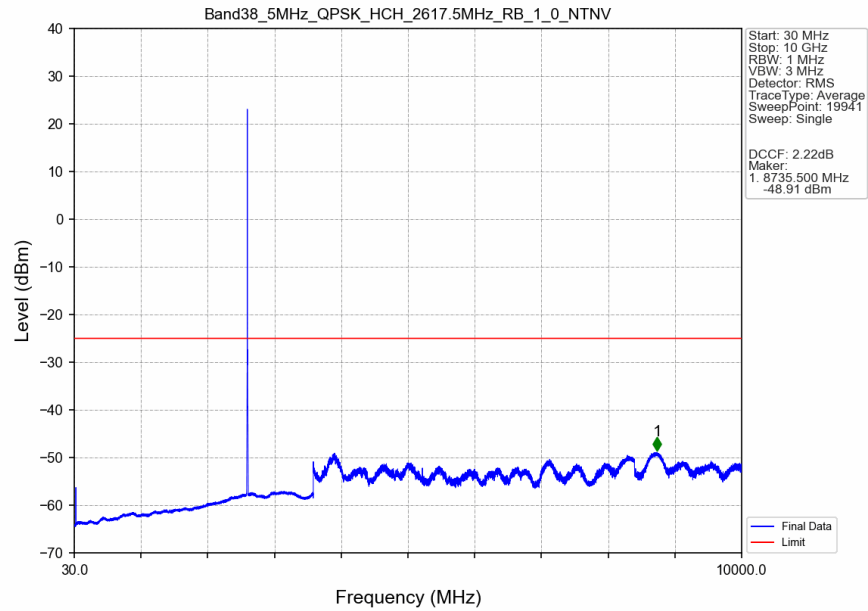
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



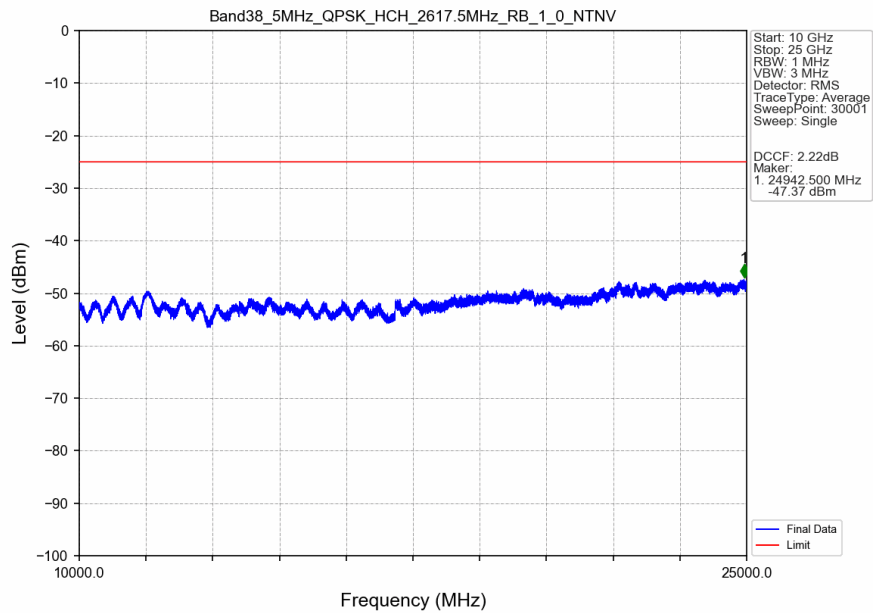
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTN



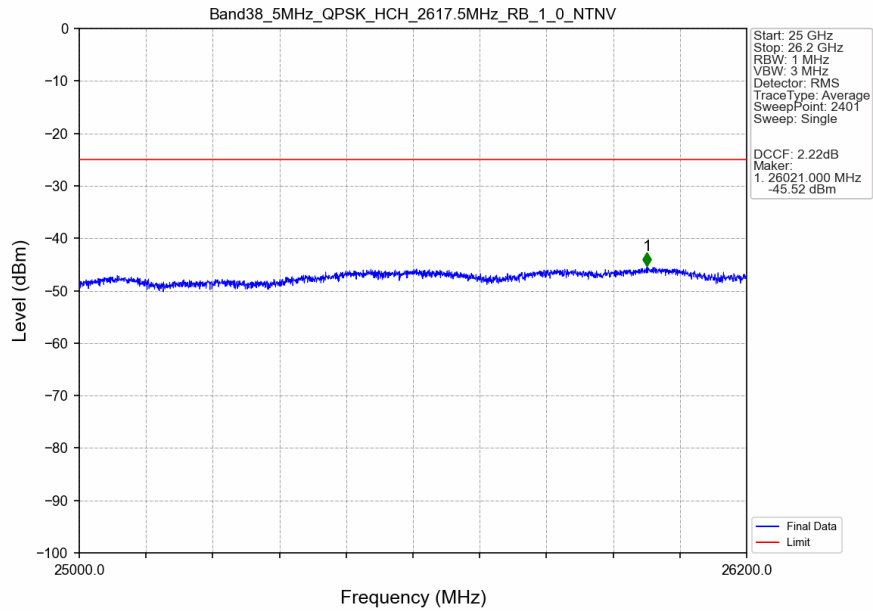
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



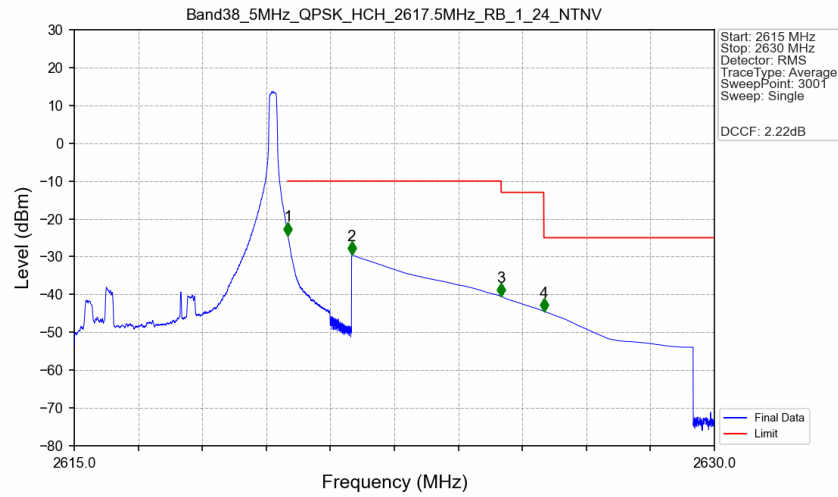
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV

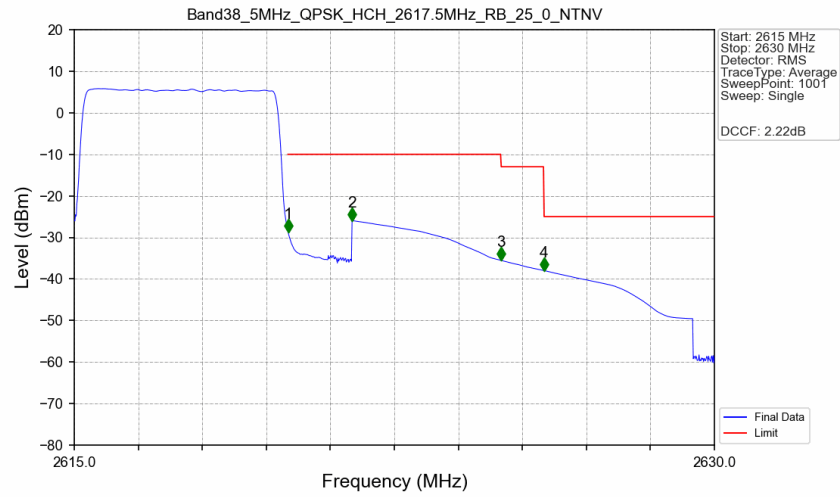


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTV



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	-24.34	-10	Pass
2621	2625	1	CHP	2	2621.500	-29.47	-10	Pass
2625	2626	1	CHP	3	2625.005	-40.50	-13	Pass
2626	2630	1	CHP	4	2626.005	-44.41	-25	Pass

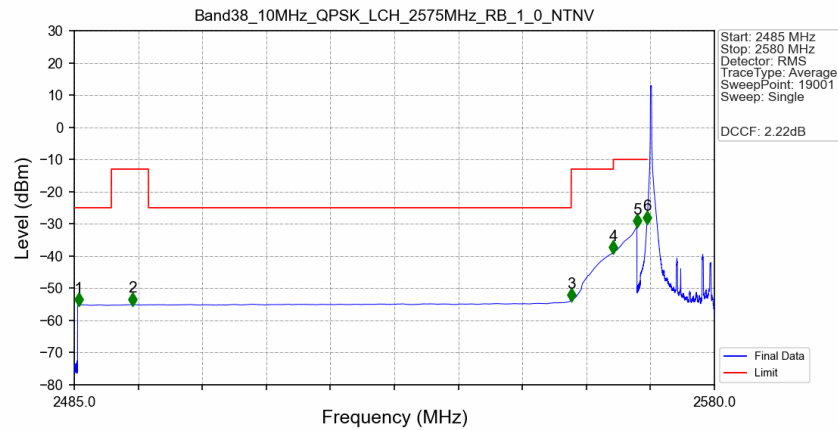
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.102	CHP	/	/	/	/	/
2620	2621	0.102	CHP	1	2620.010	-28.70	-10	Pass
2621	2625	1	CHP	2	2621.510	-25.95	-10	Pass
2625	2626	1	CHP	3	2625.005	-35.56	-13	Pass
2626	2630	1	CHP	4	2626.010	-37.99	-25	Pass

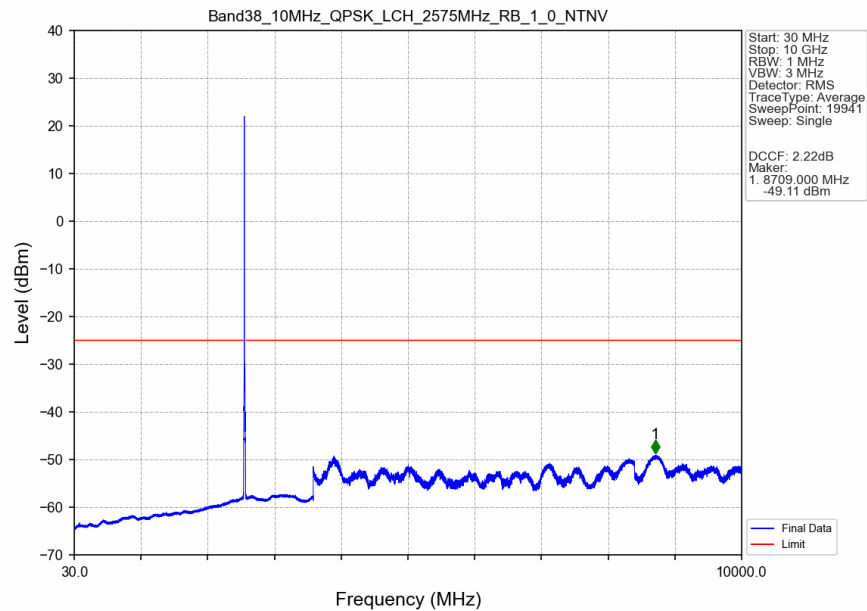
5.2.2 B38_10MHz

Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

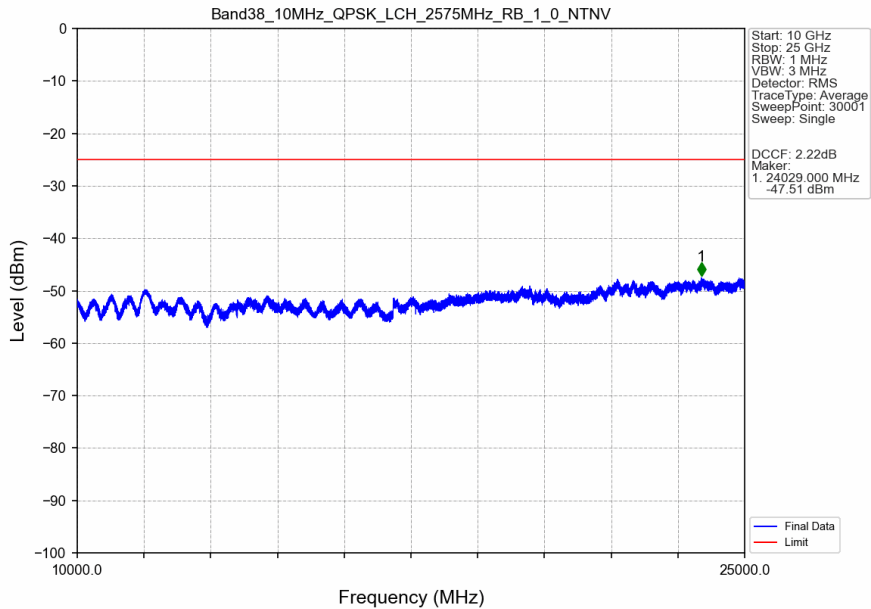


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.675	-55.14	-25	Pass
2490.5	2496	1	CHP	2	2493.655	-55.08	-13	Pass
2496	2558.747	1	CHP	3	2558.745	-53.86	-25	Pass
2558.747	2565	1	CHP	4	2564.995	-38.93	-13	Pass
2565	2569	1	CHP	5	2568.500	-30.73	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-29.68	-10	Pass
2570	2580	0.02	CHP	/	/	/	/	/

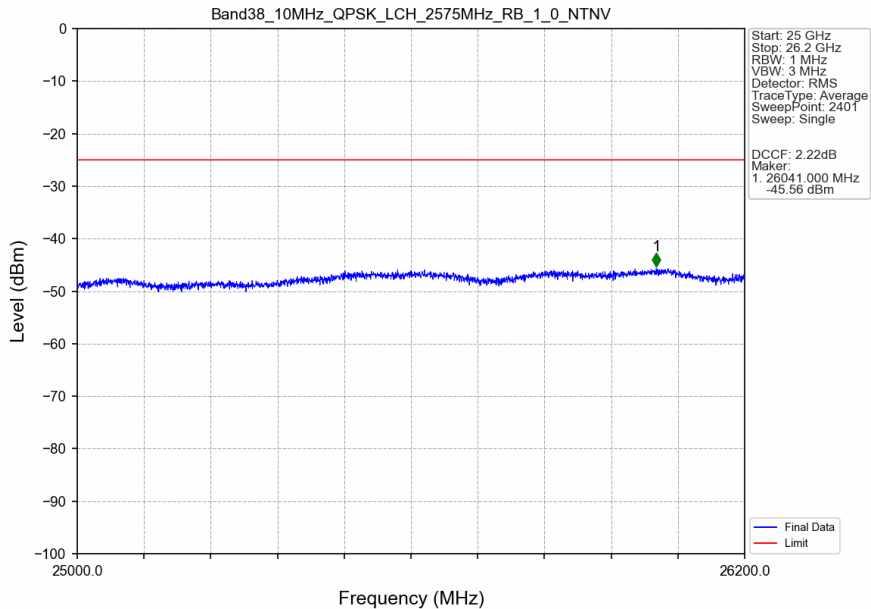
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



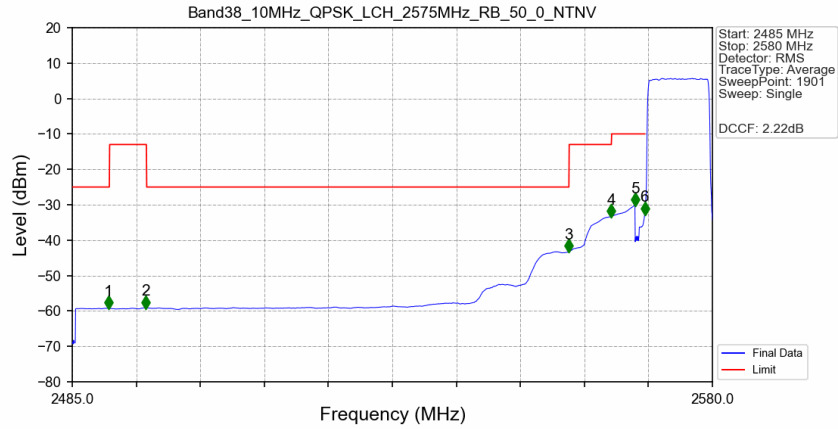
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

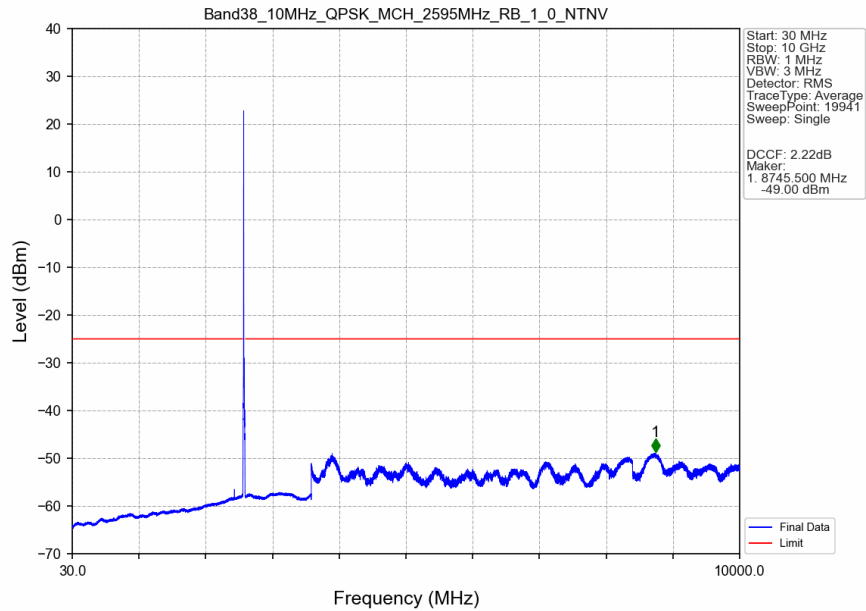


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

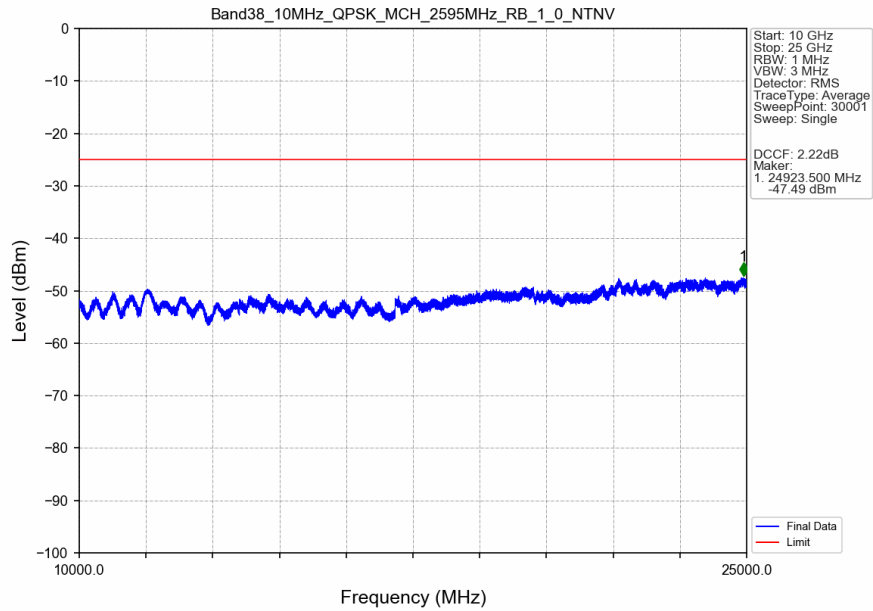


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.350	-59.18	-25	Pass
2490.5	2496	1	CHP	2	2495.900	-59.09	-13	Pass
2496	2558.747	1	CHP	3	2558.700	-43.22	-25	Pass
2558.747	2565	1	CHP	4	2565.000	-33.30	-13	Pass
2565	2569	1	CHP	5	2568.500	-30.17	-10	Pass
2569	2570	0.225	CHP	6	2569.950	-32.56	-10	Pass
2570	2580	0.225	CHP	/	/	/	/	/

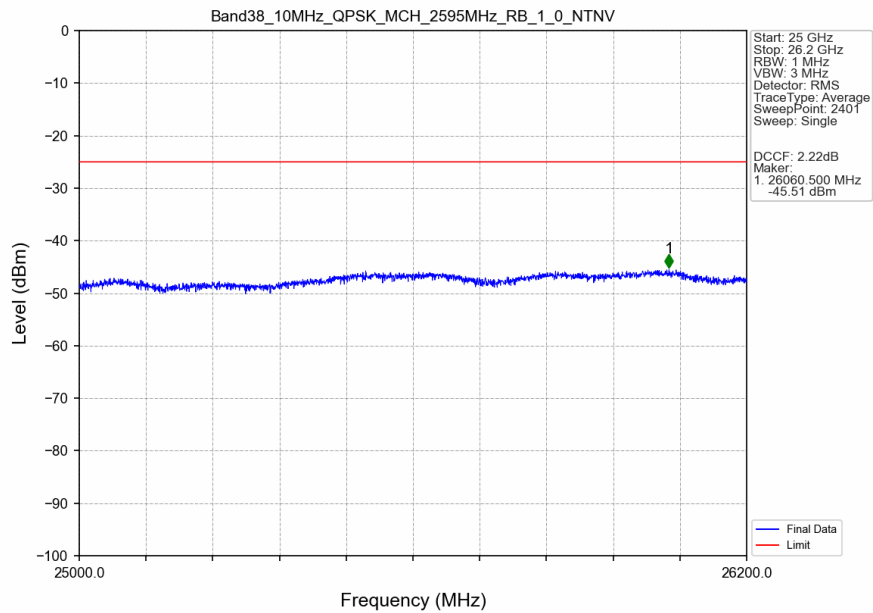
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



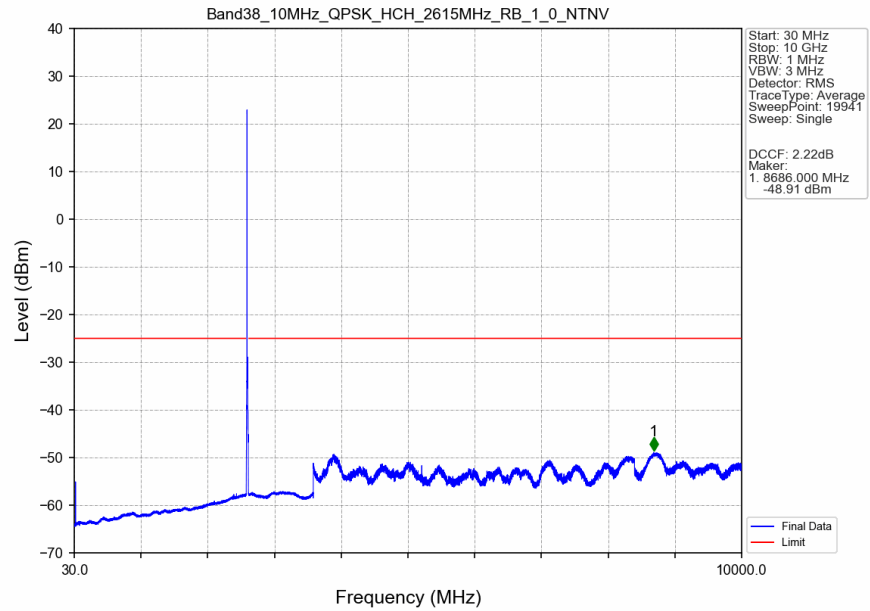
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



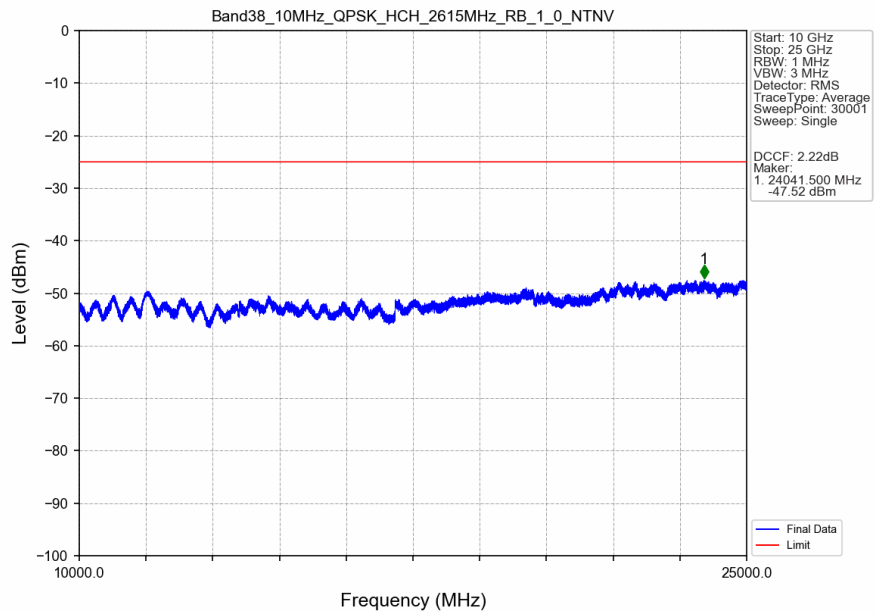
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



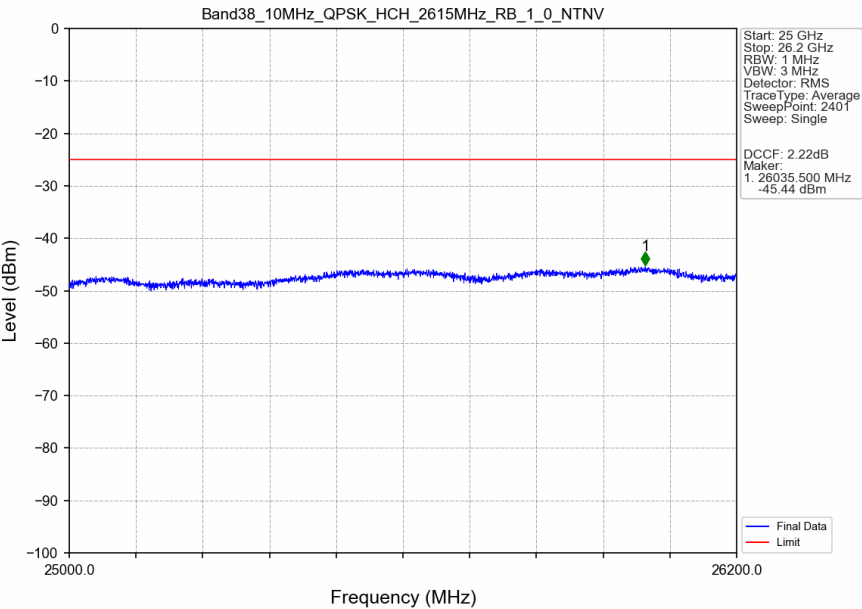
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV



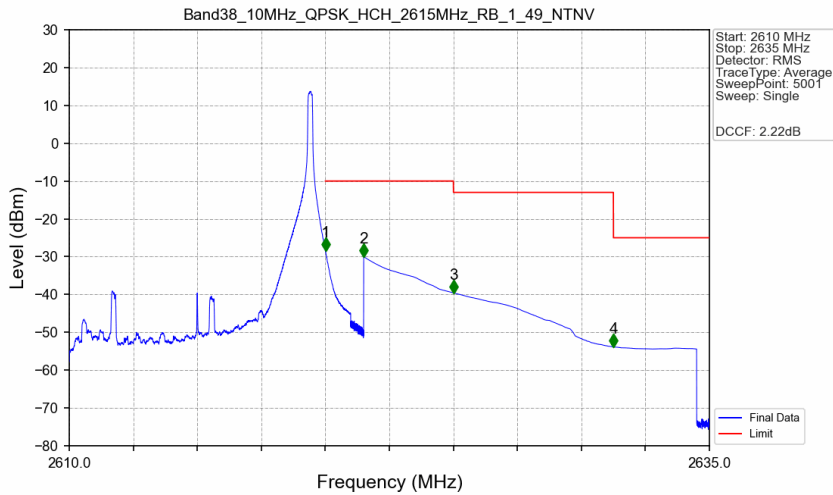
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTV

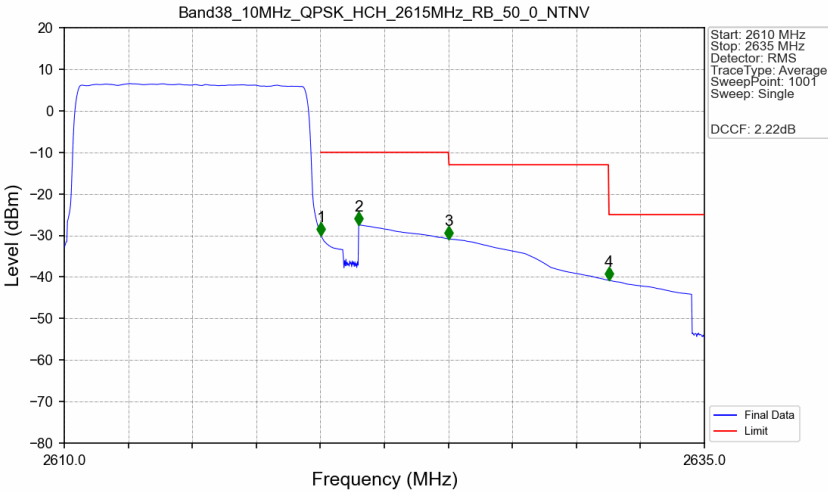


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49 NTV



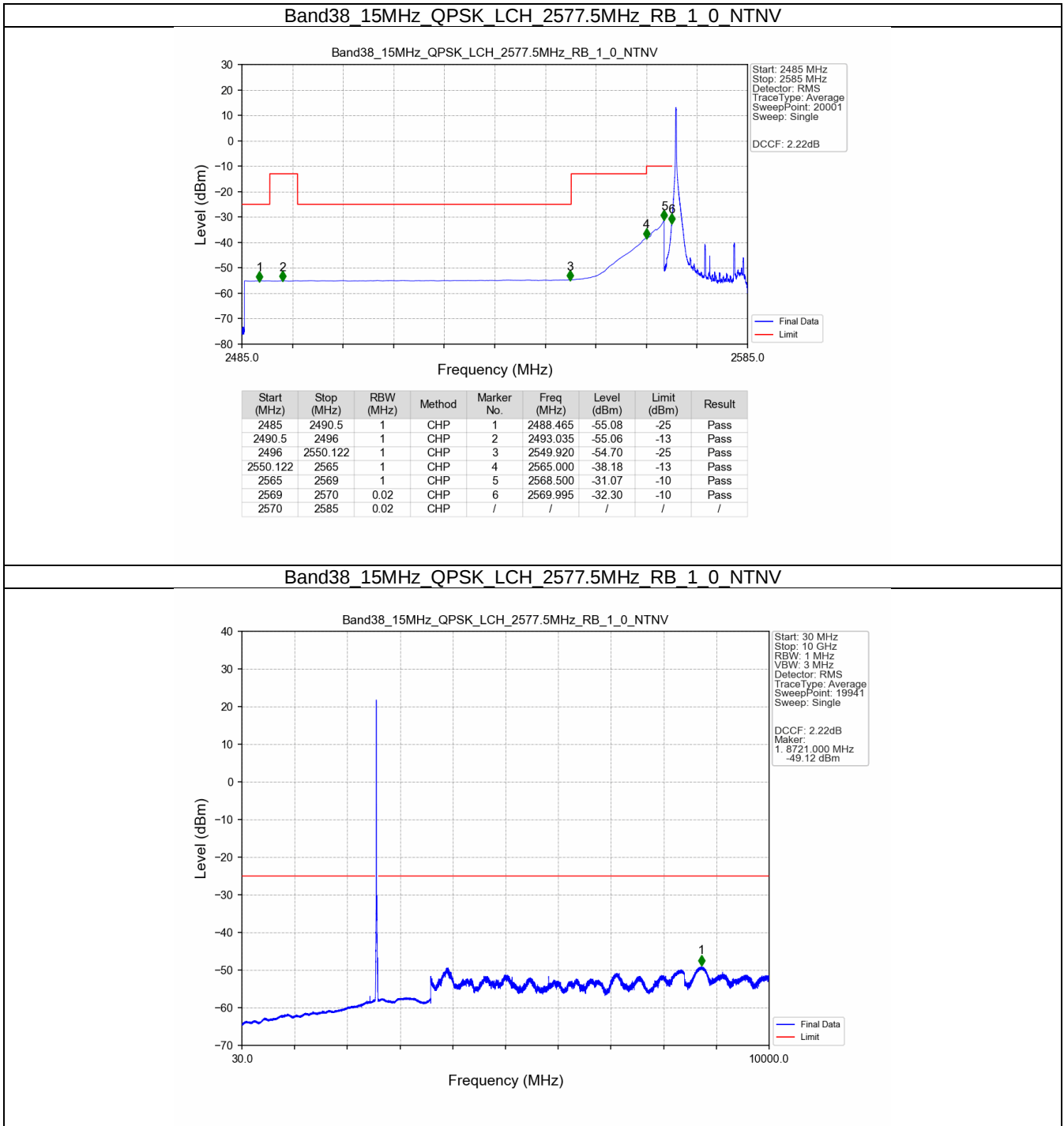
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-28.53	-10	Pass
2621	2625	1	CHP	2	2621.500	-30.01	-10	Pass
2625	2631.253	1	CHP	3	2625.005	-39.59	-13	Pass
2631.253	2635	1	CHP	4	2631.255	-53.87	-25	Pass

Band38 10MHz QPSK HCH 2615MHz RB 50 0 NTNV

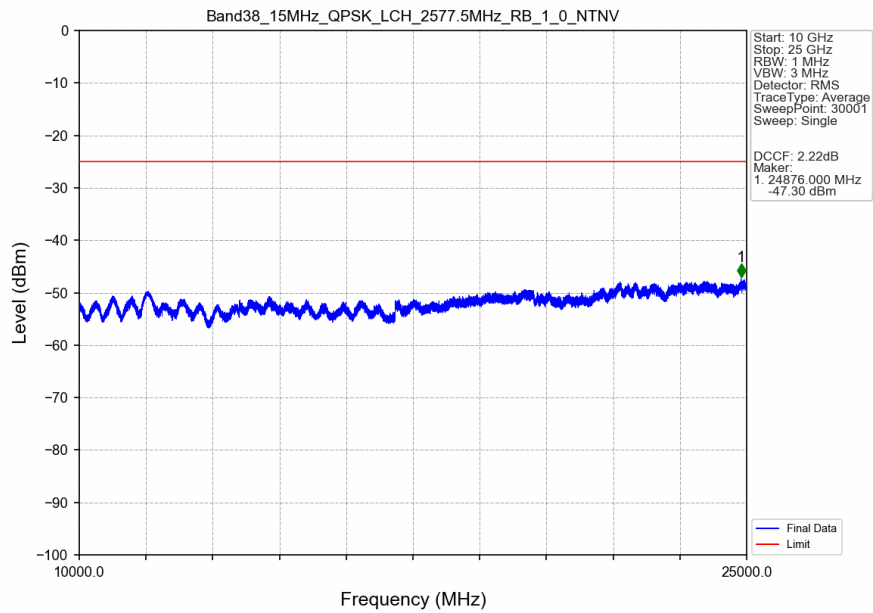


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.225	CHP	/	/	/	/	/
2620	2621	0.225	CHP	1	2620.025	-29.99	-10	Pass
2621	2625	1	CHP	2	2621.500	-27.43	-10	Pass
2625	2631.253	1	CHP	3	2625.025	-30.87	-13	Pass
2631.253	2635	1	CHP	4	2631.275	-40.80	-25	Pass

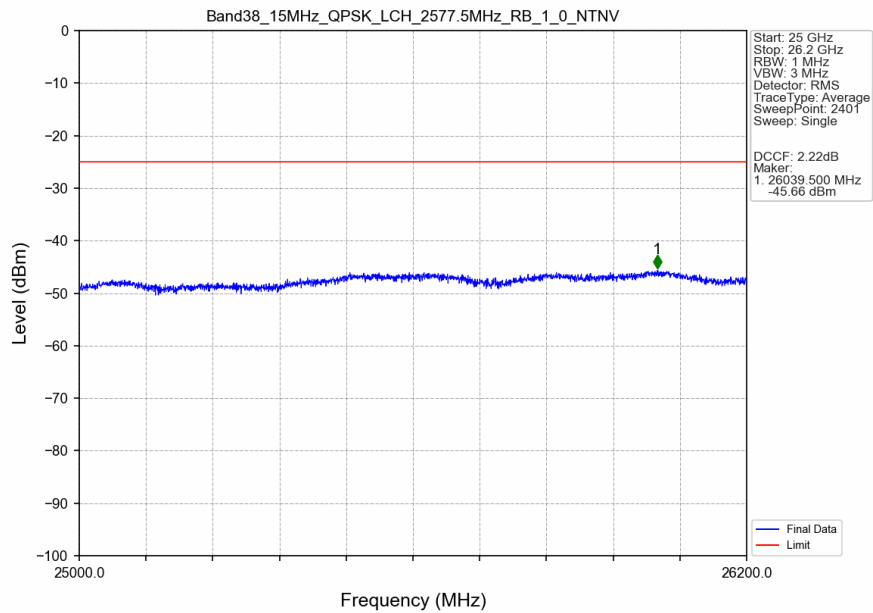
5.2.3 B38_15MHz



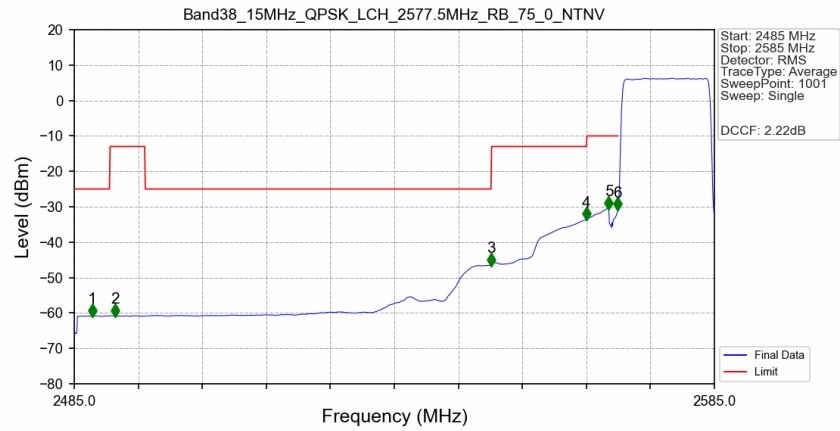
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

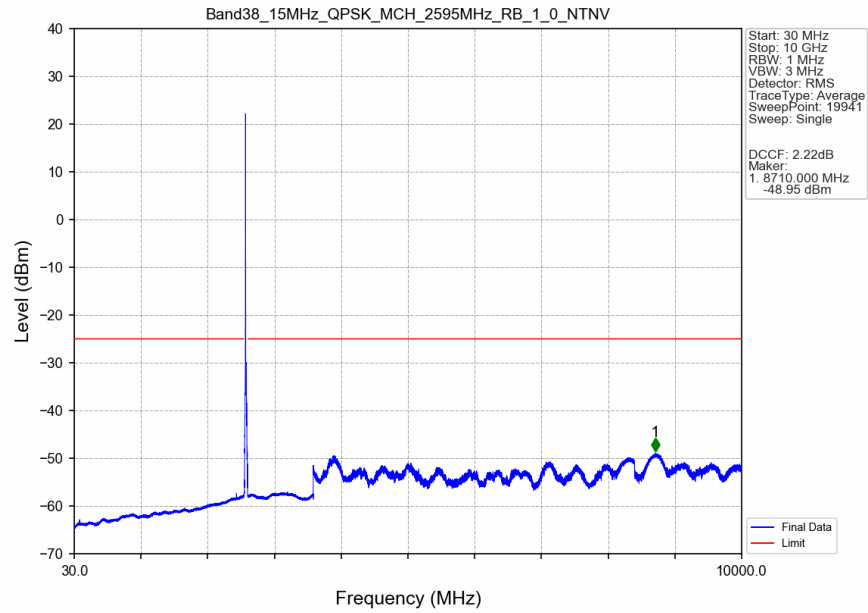


Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV

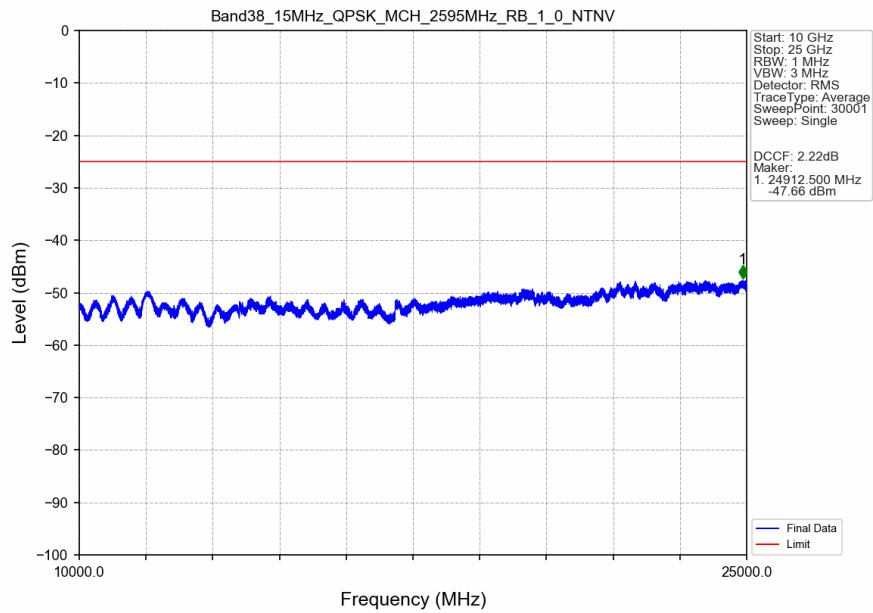


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.800	-60.80	-25	Pass
2490.5	2496	1	CHP	2	2491.400	-60.75	-13	Pass
2496	2550.122	1	CHP	3	2550.100	-46.45	-25	Pass
2550.122	2565	1	CHP	4	2565.000	-33.48	-13	Pass
2565	2569	1	CHP	5	2568.500	-30.46	-10	Pass
2569	2570	0.398	CHP	6	2569.900	-30.83	-10	Pass
2570	2585	0.398	CHP	/	/	/	/	/

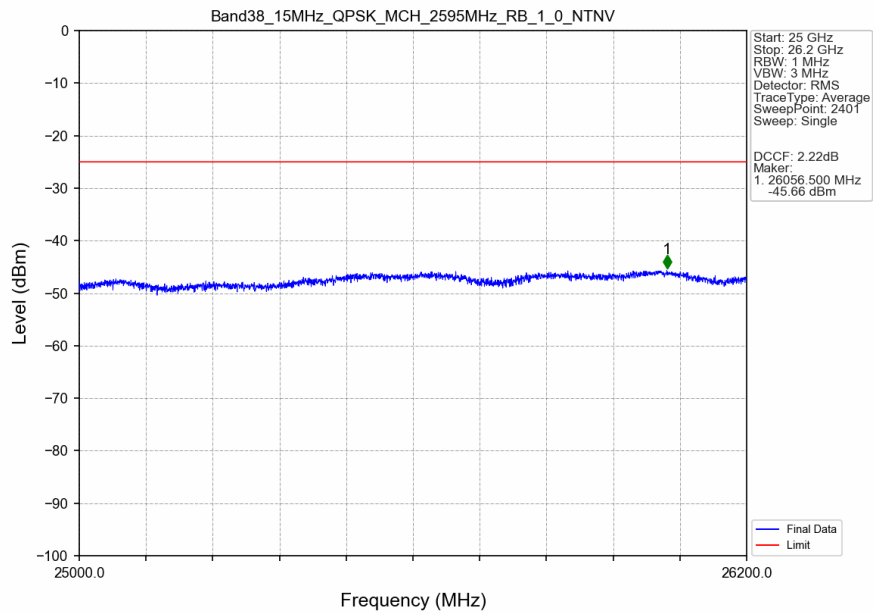
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



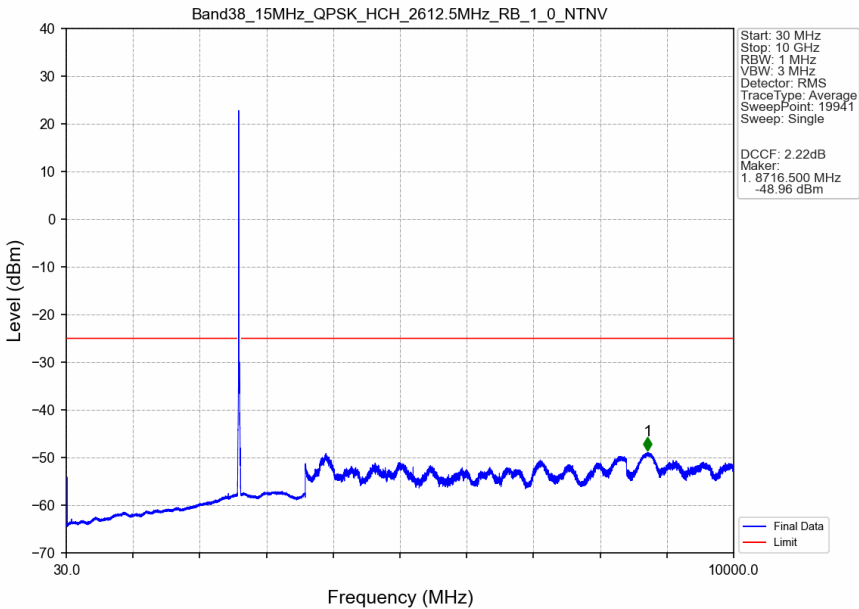
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



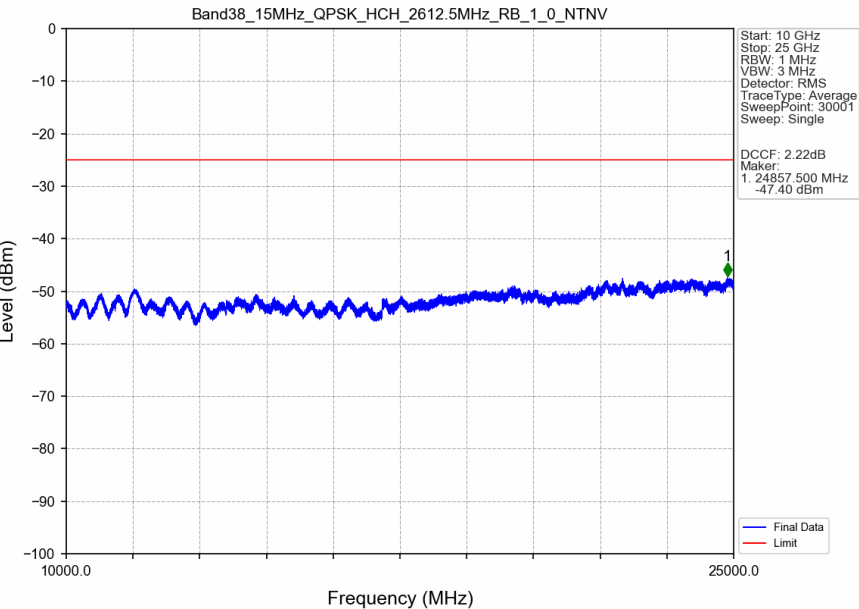
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



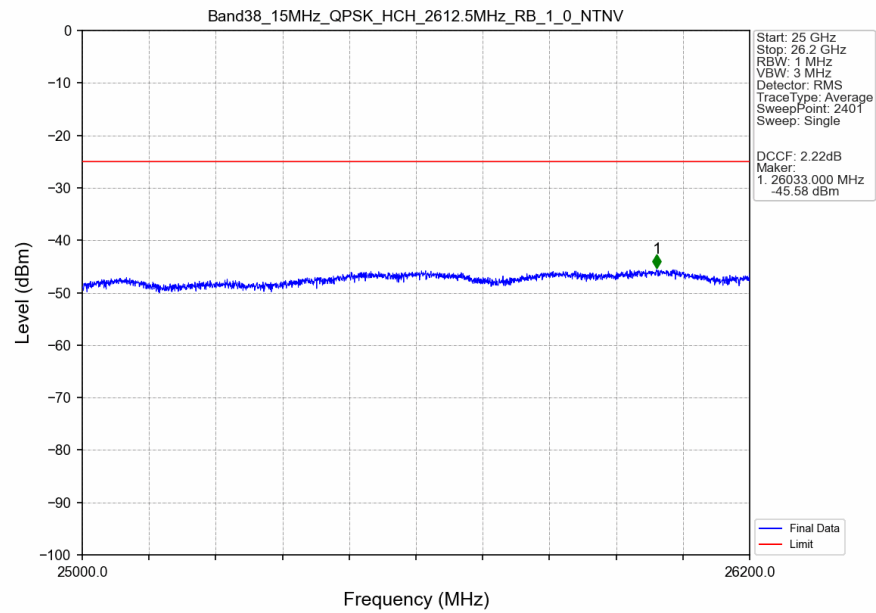
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



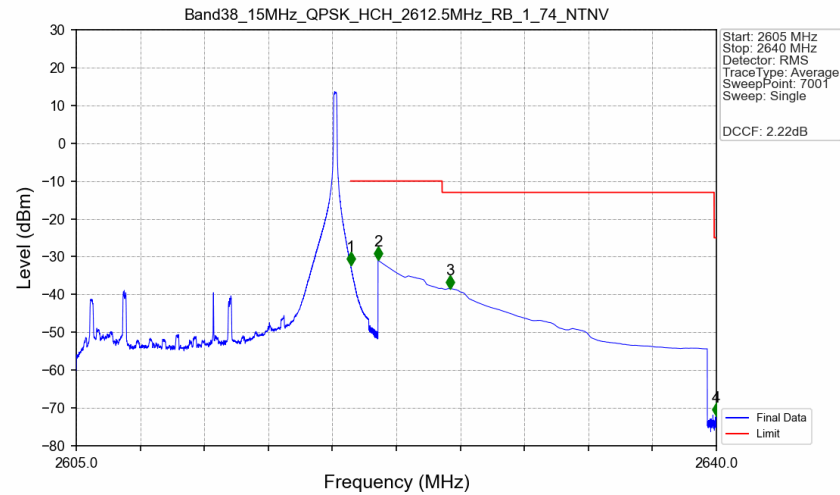
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV

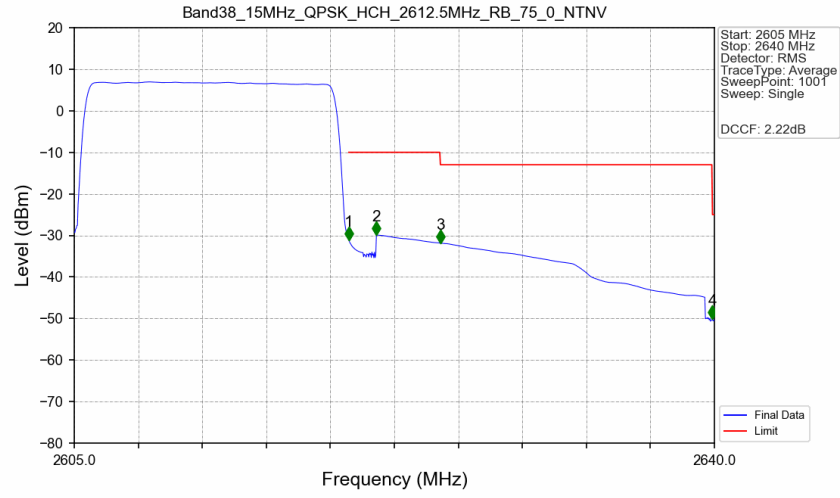


Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV



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	-32.29	-10	Pass
2621	2625	1	CHP	2	2621.500	-30.93	-10	Pass
2625	2639.878	1	CHP	3	2625.435	-38.38	-13	Pass
2639.878	2640	1	CHP	4	2640.000	-72.08	-25	Pass

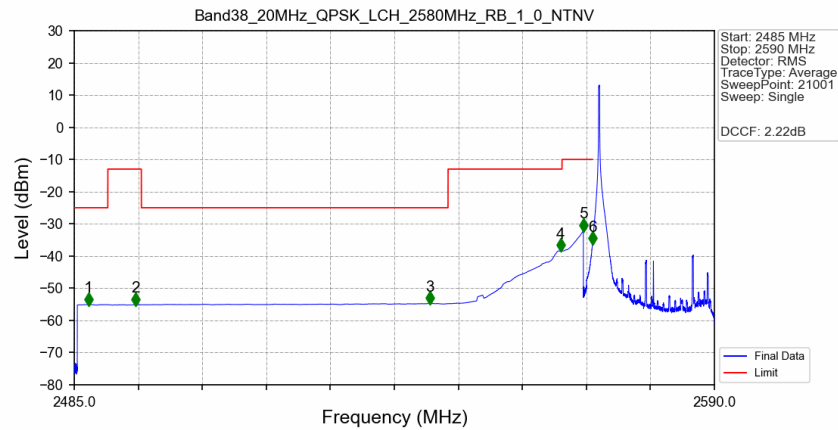
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.398	CHP	/	/	/	/	/
2620	2621	0.398	CHP	1	2620.015	-31.20	-10	Pass
2621	2625	1	CHP	2	2621.520	-29.91	-10	Pass
2625	2639.878	1	CHP	3	2625.020	-31.86	-13	Pass
2639.878	2640	1	CHP	4	2639.895	-50.09	-25	Pass

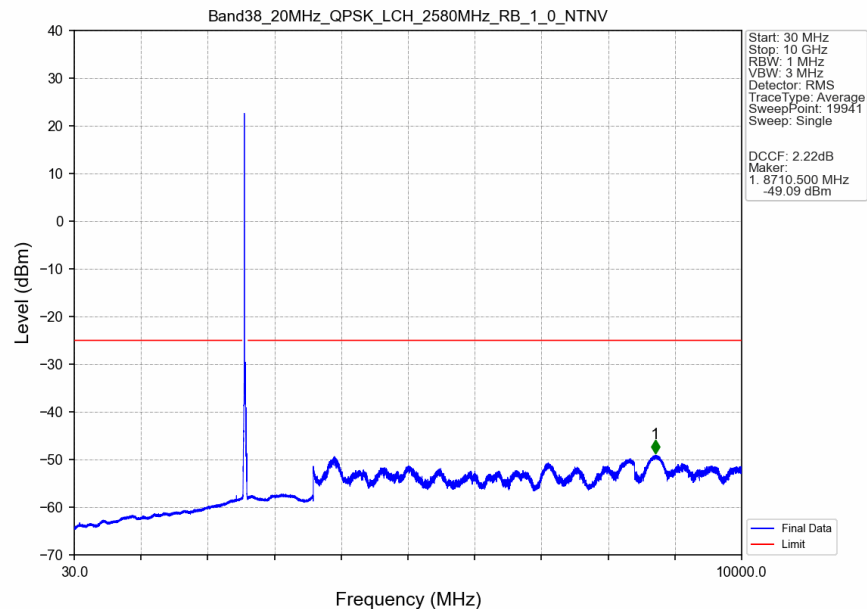
5.2.4 B38_20MHz

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

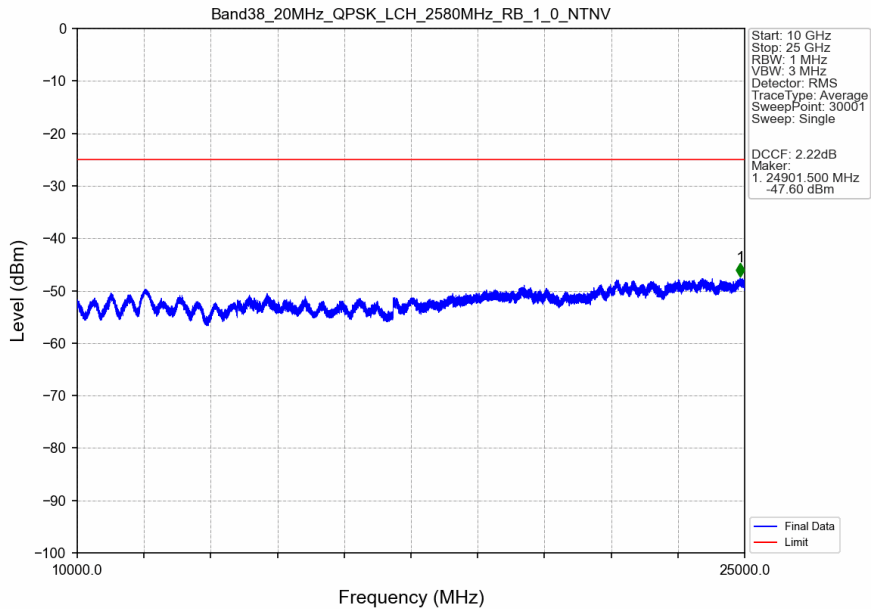


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.340	-55.08	-25	Pass
2490.5	2496	1	CHP	2	2495.060	-55.10	-13	Pass
2496	2546.308	1	CHP	3	2543.275	-54.72	-25	Pass
2546.308	2565	1	CHP	4	2564.780	-38.29	-13	Pass
2565	2569	1	CHP	5	2568.500	-32.06	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-36.20	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

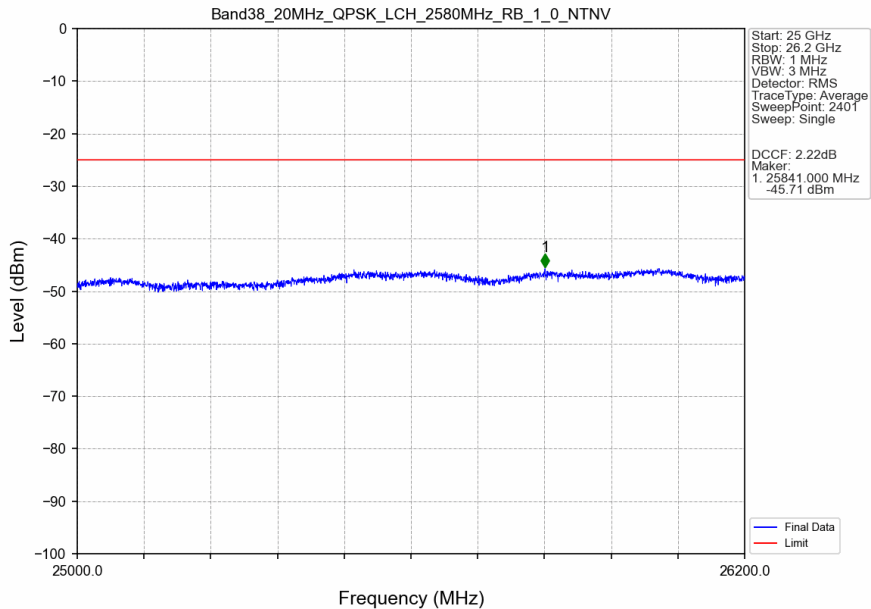
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



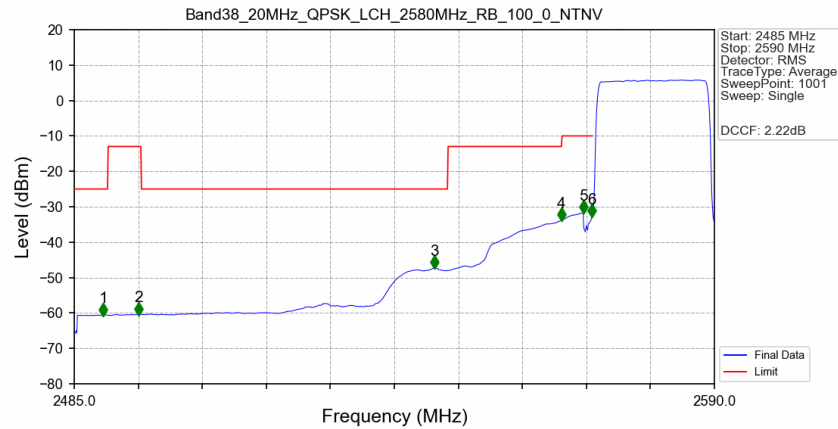
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTNV



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTNV

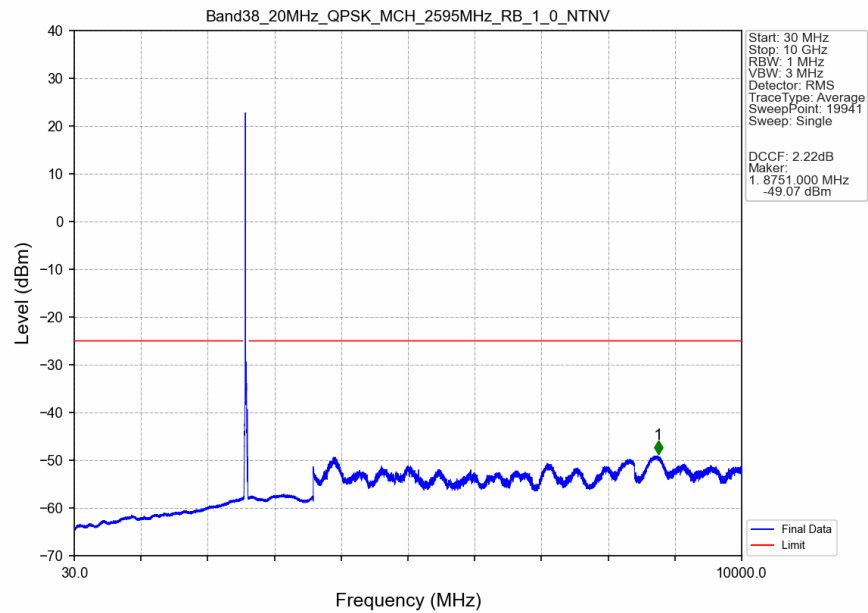


Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTV

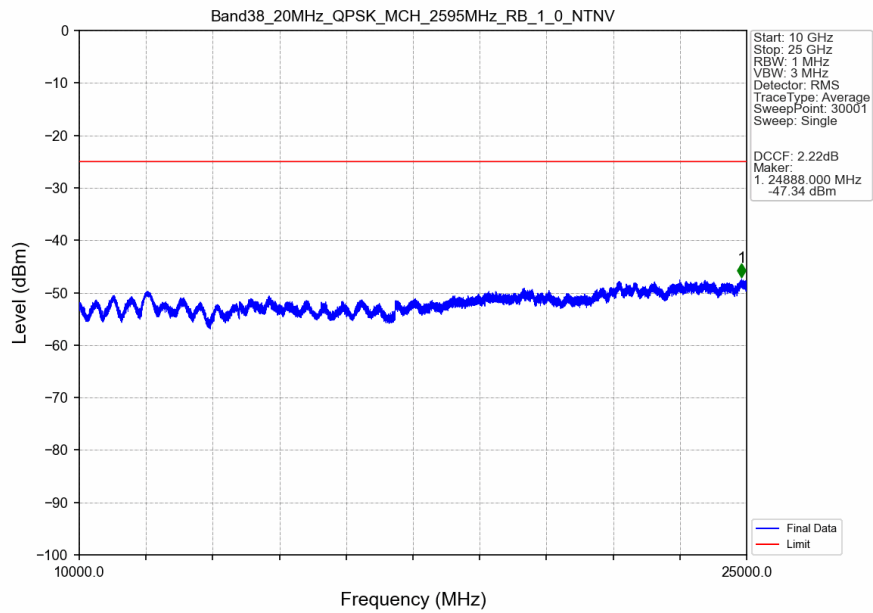


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.725	-60.56	-25	Pass
2490.5	2496	1	CHP	2	2495.605	-60.38	-13	Pass
2496	2546.308	1	CHP	3	2544.115	-47.26	-25	Pass
2546.308	2565	1	CHP	4	2564.905	-33.76	-13	Pass
2565	2569	1	CHP	5	2568.475	-31.59	-10	Pass
2569	2570	0.474	CHP	6	2569.945	-32.61	-10	Pass
2570	2590	0.474	CHP	/	/	/	/	/

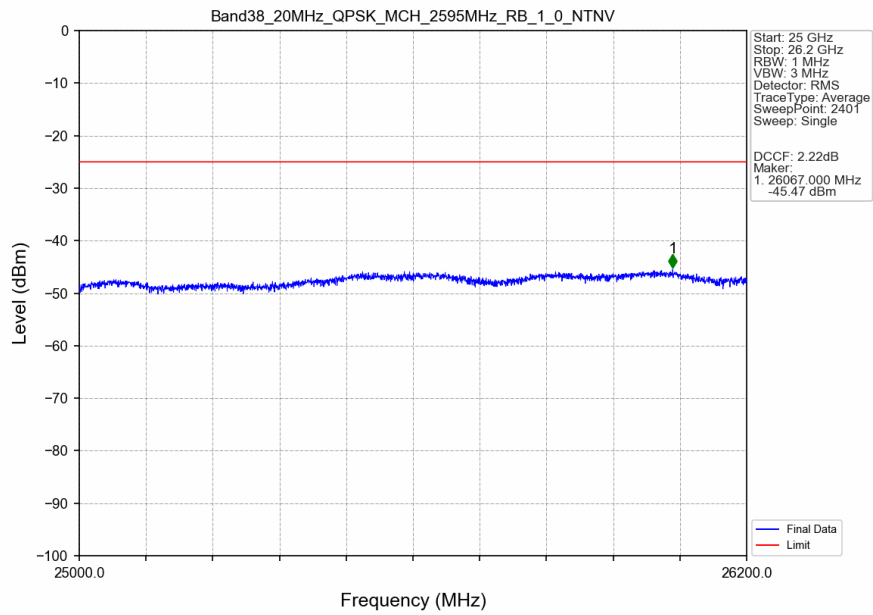
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



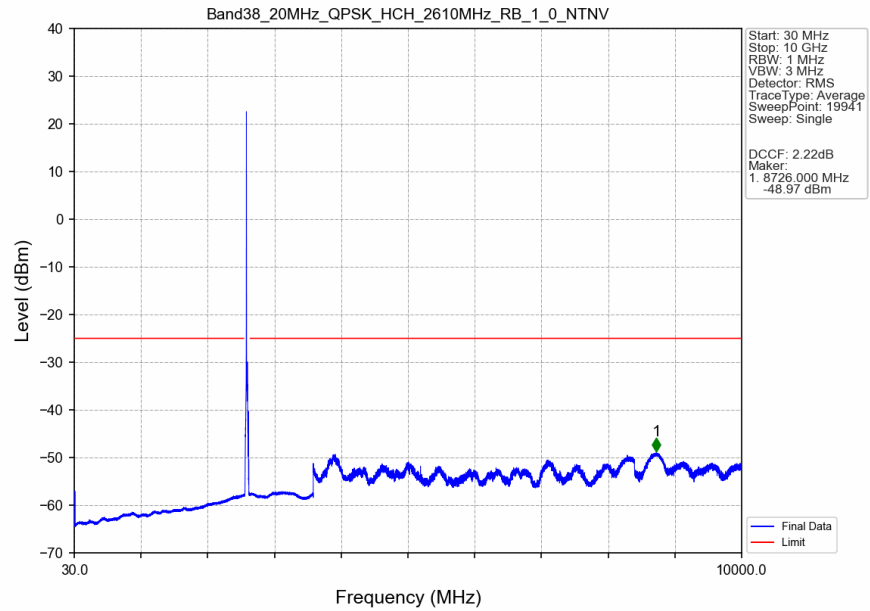
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



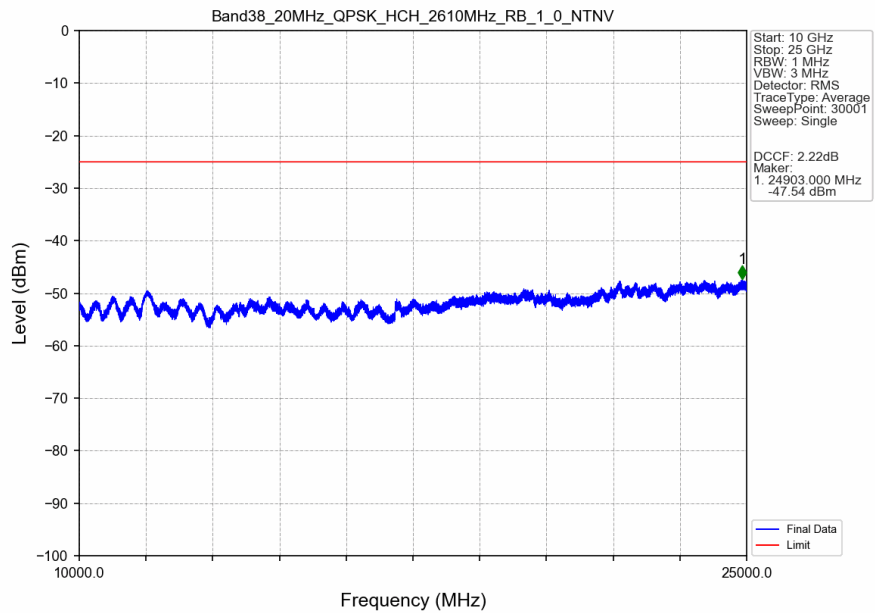
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



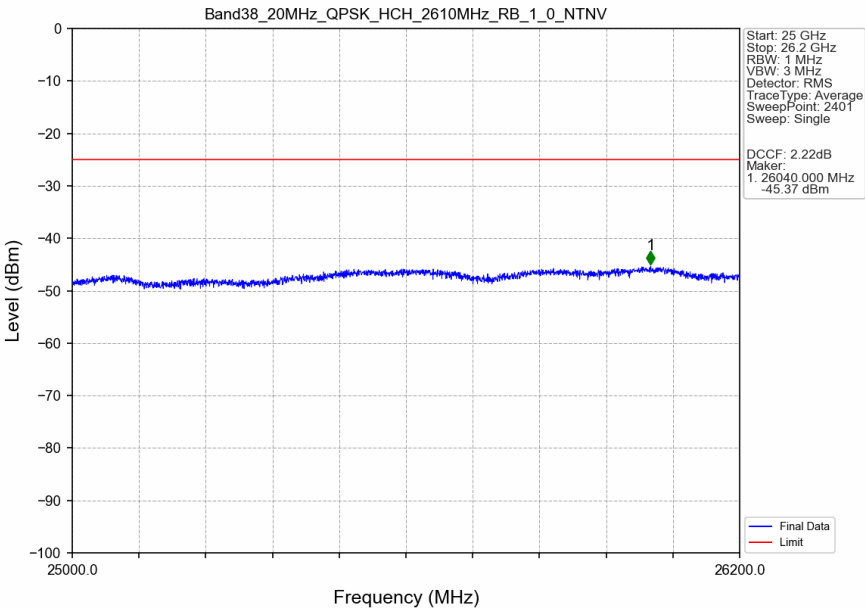
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



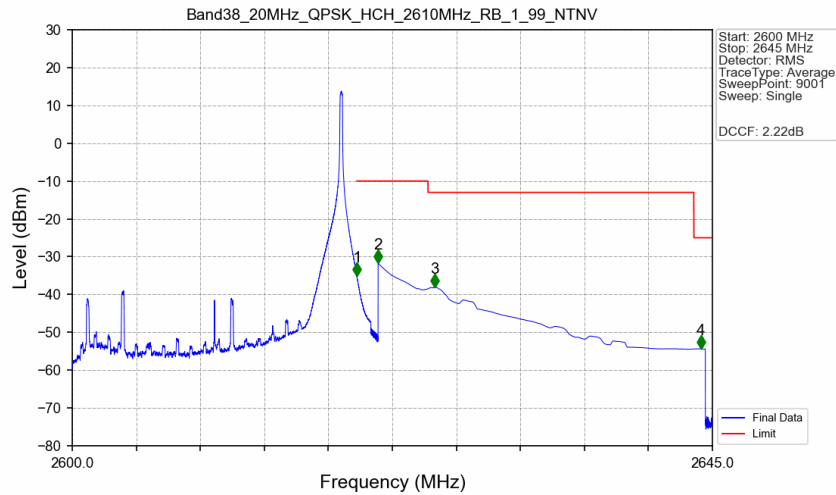
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTNV



Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTV

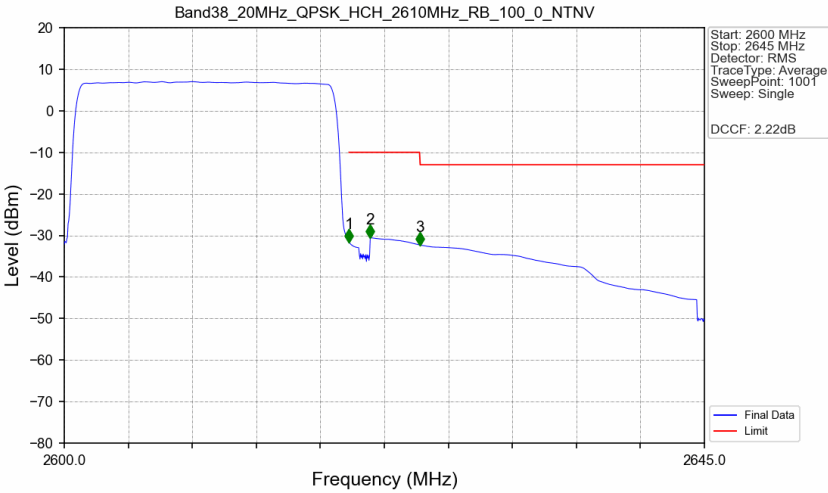


Band38 20MHz QPSK HCH 2610MHz RB 1 99 NTV



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	-35.15	-10	Pass
2621	2625	1	CHP	2	2621.500	-31.73	-10	Pass
2625	2643.692	1	CHP	3	2625.485	-38.11	-13	Pass
2643.692	2645	1	CHP	4	2644.180	-54.36	-25	Pass

Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2600	2620	0.526	CHP	/	/	/	/	/
2620	2621	0.526	CHP	1	2620.025	-31.66	-10	Pass
2621	2625	1	CHP	2	2621.510	-30.51	-10	Pass
2625	2645	1	CHP	3	2625.020	-32.32	-13	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	-53.62	-25	-28.62	-59.23	4.62	10.23	Horizontal	Pass
7713.0	-54.29	-25	-29.29	-61.32	4.96	11.99	Horizontal	Pass
10284.0	-53.13	-25	-28.13	-60.7	5.51	13.08	Horizontal	Pass
5142.0	-53.26	-25	-28.26	-58.87	4.62	10.23	Vertical	Pass
7713.0	-57.52	-25	-32.52	-64.55	4.96	11.99	Vertical	Pass
10284.0	-54.1	-25	-29.1	-61.67	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	-55.11	-25	-30.11	-60.73	4.63	10.25	Horizontal	Pass
7758.0	-57.01	-25	-32.01	-64.09	4.96	12.04	Horizontal	Pass
10344.0	-52.42	-25	-27.42	-59.99	5.52	13.09	Horizontal	Pass
5172.0	-55.4	-25	-30.4	-61.02	4.63	10.25	Vertical	Pass
7758.0	-56.7	-25	-31.7	-63.78	4.96	12.04	Vertical	Pass
10344.0	-53.68	-25	-28.68	-61.25	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	-53.71	-25	-28.71	-59.35	4.63	10.27	Horizontal	Pass
7803.0	-56.59	-25	-31.59	-63.73	4.96	12.1	Horizontal	Pass
10404.0	-55.05	-25	-30.05	-62.63	5.52	13.1	Horizontal	Pass
5202.0	-53.62	-25	-28.62	-59.26	4.63	10.27	Vertical	Pass
7803.0	-56.09	-25	-31.09	-63.23	4.96	12.1	Vertical	Pass
10404.0	-53.36	-25	-28.36	-60.94	5.52	13.1	Vertical	Pass