

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	23.86	1.00	24.86	<=33.01	Pass
			13	23.97	1.00	24.97	<=33.01	Pass
			24	23.95	1.00	24.95	<=33.01	Pass
		12	0	22.99	1.00	23.99	<=33.01	Pass
			6	23.06	1.00	24.06	<=33.01	Pass
			13	23.04	1.00	24.04	<=33.01	Pass
		25	0	23.01	1.00	24.01	<=33.01	Pass
	2595	1	0	23.85	1.00	24.85	<=33.01	Pass
			13	23.95	1.00	24.95	<=33.01	Pass
			24	23.87	1.00	24.87	<=33.01	Pass
		12	0	22.91	1.00	23.91	<=33.01	Pass
			6	23.02	1.00	24.02	<=33.01	Pass
			13	22.97	1.00	23.97	<=33.01	Pass
		25	0	22.90	1.00	23.90	<=33.01	Pass
	2617.5	1	0	23.96	1.00	24.96	<=33.01	Pass
			13	23.94	1.00	24.94	<=33.01	Pass
			24	23.88	1.00	24.88	<=33.01	Pass
		12	0	23.02	1.00	24.02	<=33.01	Pass
			6	23.03	1.00	24.03	<=33.01	Pass
			13	23.03	1.00	24.03	<=33.01	Pass
		25	0	22.99	1.00	23.99	<=33.01	Pass
16QAM	2572.5	1	0	23.01	1.00	24.01	<=33.01	Pass
			13	22.95	1.00	23.95	<=33.01	Pass
			24	22.90	1.00	23.90	<=33.01	Pass
		12	0	21.96	1.00	22.96	<=33.01	Pass
			6	22.01	1.00	23.01	<=33.01	Pass
			13	22.06	1.00	23.06	<=33.01	Pass
		25	0	21.99	1.00	22.99	<=33.01	Pass
	2595	1	0	23.04	1.00	24.04	<=33.01	Pass
			13	23.12	1.00	24.12	<=33.01	Pass
			24	23.09	1.00	24.09	<=33.01	Pass
		12	0	22.00	1.00	23.00	<=33.01	Pass
			6	21.97	1.00	22.97	<=33.01	Pass
			13	22.04	1.00	23.04	<=33.01	Pass
		25	0	21.93	1.00	22.93	<=33.01	Pass
	2617.5	1	0	23.02	1.00	24.02	<=33.01	Pass
			13	23.05	1.00	24.05	<=33.01	Pass
			24	22.99	1.00	23.99	<=33.01	Pass
		12	0	22.06	1.00	23.06	<=33.01	Pass
			6	22.04	1.00	23.04	<=33.01	Pass
			13	21.93	1.00	22.93	<=33.01	Pass
		25	0	22.00	1.00	23.00	<=33.01	Pass
64QAM	2572.5	1	0	22.70	1.00	23.70	<=33.01	Pass
			13	23.01	1.00	24.01	<=33.01	Pass
			24	22.90	1.00	23.90	<=33.01	Pass
		12	0	21.99	1.00	22.99	<=33.01	Pass
			6	21.94	1.00	22.94	<=33.01	Pass
			13	21.95	1.00	22.95	<=33.01	Pass
		25	0	21.98	1.00	22.98	<=33.01	Pass
	2595	1	0	22.90	1.00	23.90	<=33.01	Pass
			13	23.01	1.00	24.01	<=33.01	Pass
			24	23.07	1.00	24.07	<=33.01	Pass
		12	0	21.88	1.00	22.88	<=33.01	Pass
			6	22.02	1.00	23.02	<=33.01	Pass

			13	21.96	1.00	22.96	<=33.01	Pass
		25	0	21.97	1.00	22.97	<=33.01	Pass
	2617.5	1	0	22.84	1.00	23.84	<=33.01	Pass
			13	22.98	1.00	23.98	<=33.01	Pass
			24	22.95	1.00	23.95	<=33.01	Pass
		12	0	22.00	1.00	23.00	<=33.01	Pass
			6	22.11	1.00	23.11	<=33.01	Pass
			13	22.02	1.00	23.02	<=33.01	Pass
		25	0	22.04	1.00	23.04	<=33.01	Pass
	256QAM	2572.5	1	0	19.10	1.00	20.10	<=33.01
13				19.14	1.00	20.14	<=33.01	Pass
24				18.99	1.00	19.99	<=33.01	Pass
12			0	19.08	1.00	20.08	<=33.01	Pass
			6	19.12	1.00	20.12	<=33.01	Pass
			13	19.13	1.00	20.13	<=33.01	Pass
25			0	19.12	1.00	20.12	<=33.01	Pass
2595		1	0	19.00	1.00	20.00	<=33.01	Pass
			13	19.20	1.00	20.20	<=33.01	Pass
			24	18.96	1.00	19.96	<=33.01	Pass
		12	0	19.01	1.00	20.01	<=33.01	Pass
			6	19.14	1.00	20.14	<=33.01	Pass
			13	19.12	1.00	20.12	<=33.01	Pass
		25	0	19.01	1.00	20.01	<=33.01	Pass
2617.5		1	0	19.07	1.00	20.07	<=33.01	Pass
			13	19.21	1.00	20.21	<=33.01	Pass
			24	19.00	1.00	20.00	<=33.01	Pass
		12	0	19.10	1.00	20.10	<=33.01	Pass
			6	19.17	1.00	20.17	<=33.01	Pass
			13	19.08	1.00	20.08	<=33.01	Pass
		25	0	19.11	1.00	20.11	<=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	23.81	1.00	24.81	<=33.01	Pass
			25	23.91	1.00	24.91	<=33.01	Pass
			49	23.90	1.00	24.90	<=33.01	Pass
		25	0	22.97	1.00	23.97	<=33.01	Pass
			13	23.01	1.00	24.01	<=33.01	Pass
			25	22.98	1.00	23.98	<=33.01	Pass
		50	0	23.00	1.00	24.00	<=33.01	Pass
		1	0	23.92	1.00	24.92	<=33.01	Pass
			25	23.98	1.00	24.98	<=33.01	Pass
			49	23.91	1.00	24.91	<=33.01	Pass
	2595	25	0	22.90	1.00	23.90	<=33.01	Pass
			13	22.92	1.00	23.92	<=33.01	Pass
			25	22.97	1.00	23.97	<=33.01	Pass
		50	0	22.91	1.00	23.91	<=33.01	Pass
		1	0	23.98	1.00	24.98	<=33.01	Pass
			25	24.00	1.00	25.00	<=33.01	Pass
			49	23.89	1.00	24.89	<=33.01	Pass
		25	0	22.97	1.00	23.97	<=33.01	Pass
			13	22.97	1.00	23.97	<=33.01	Pass
			25	23.01	1.00	24.01	<=33.01	Pass
		50	0	22.92	1.00	23.92	<=33.01	Pass
16QAM	2575	1	0	22.88	1.00	23.88	<=33.01	Pass
			25	23.06	1.00	24.06	<=33.01	Pass
			49	23.08	1.00	24.08	<=33.01	Pass
		25	0	22.04	1.00	23.04	<=33.01	Pass

			13	22.04	1.00	23.04	<=33.01	Pass
			25	22.05	1.00	23.05	<=33.01	Pass
		50	0	22.01	1.00	23.01	<=33.01	Pass
	2595	1	0	23.01	1.00	24.01	<=33.01	Pass
			25	23.12	1.00	24.12	<=33.01	Pass
			49	22.95	1.00	23.95	<=33.01	Pass
		25	0	21.91	1.00	22.91	<=33.01	Pass
			13	21.91	1.00	22.91	<=33.01	Pass
			25	21.97	1.00	22.97	<=33.01	Pass
		50	0	21.92	1.00	22.92	<=33.01	Pass
	2615	1	0	23.00	1.00	24.00	<=33.01	Pass
			25	23.16	1.00	24.16	<=33.01	Pass
			49	22.96	1.00	23.96	<=33.01	Pass
		25	0	21.97	1.00	22.97	<=33.01	Pass
			13	21.97	1.00	22.97	<=33.01	Pass
			25	22.03	1.00	23.03	<=33.01	Pass
		50	0	21.94	1.00	22.94	<=33.01	Pass
64QAM	2575	1	0	22.92	1.00	23.92	<=33.01	Pass
			25	23.08	1.00	24.08	<=33.01	Pass
			49	22.84	1.00	23.84	<=33.01	Pass
		25	0	21.99	1.00	22.99	<=33.01	Pass
			13	22.02	1.00	23.02	<=33.01	Pass
			25	22.04	1.00	23.04	<=33.01	Pass
		50	0	22.04	1.00	23.04	<=33.01	Pass
	2595	1	0	22.82	1.00	23.82	<=33.01	Pass
			25	23.01	1.00	24.01	<=33.01	Pass
			49	22.91	1.00	23.91	<=33.01	Pass
		25	0	21.95	1.00	22.95	<=33.01	Pass
			13	21.91	1.00	22.91	<=33.01	Pass
			25	21.96	1.00	22.96	<=33.01	Pass
		50	0	21.91	1.00	22.91	<=33.01	Pass
	2615	1	0	22.98	1.00	23.98	<=33.01	Pass
			25	23.02	1.00	24.02	<=33.01	Pass
			49	22.90	1.00	23.90	<=33.01	Pass
		25	0	21.96	1.00	22.96	<=33.01	Pass
			13	22.01	1.00	23.01	<=33.01	Pass
			25	21.97	1.00	22.97	<=33.01	Pass
		50	0	21.91	1.00	22.91	<=33.01	Pass
256QAM	2575	1	0	19.03	1.00	20.03	<=33.01	Pass
			25	19.00	1.00	20.00	<=33.01	Pass
			49	18.98	1.00	19.98	<=33.01	Pass
		25	0	19.04	1.00	20.04	<=33.01	Pass
			13	19.10	1.00	20.10	<=33.01	Pass
			25	19.08	1.00	20.08	<=33.01	Pass
		50	0	19.10	1.00	20.10	<=33.01	Pass
	2595	1	0	18.92	1.00	19.92	<=33.01	Pass
			25	18.98	1.00	19.98	<=33.01	Pass
			49	19.01	1.00	20.01	<=33.01	Pass
		25	0	19.05	1.00	20.05	<=33.01	Pass
			13	19.05	1.00	20.05	<=33.01	Pass
			25	19.09	1.00	20.09	<=33.01	Pass
		50	0	19.01	1.00	20.01	<=33.01	Pass
	2615	1	0	18.99	1.00	19.99	<=33.01	Pass
			25	19.09	1.00	20.09	<=33.01	Pass
			49	19.00	1.00	20.00	<=33.01	Pass
		25	0	19.05	1.00	20.05	<=33.01	Pass
			13	19.07	1.00	20.07	<=33.01	Pass
			25	19.10	1.00	20.10	<=33.01	Pass
		50	0	19.04	1.00	20.04	<=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	23.65	1.00	24.65	<=33.01	Pass
			38	23.73	1.00	24.73	<=33.01	Pass
			74	23.73	1.00	24.73	<=33.01	Pass
		36	0	22.87	1.00	23.87	<=33.01	Pass
			18	22.90	1.00	23.90	<=33.01	Pass
			39	22.85	1.00	23.85	<=33.01	Pass
		75	0	22.86	1.00	23.86	<=33.01	Pass
		2595	0	23.67	1.00	24.67	<=33.01	Pass
			38	23.76	1.00	24.76	<=33.01	Pass
			74	23.66	1.00	24.66	<=33.01	Pass
		36	0	22.74	1.00	23.74	<=33.01	Pass
			18	22.74	1.00	23.74	<=33.01	Pass
			39	22.79	1.00	23.79	<=33.01	Pass
		75	0	22.75	1.00	23.75	<=33.01	Pass
	2612.5	1	0	23.76	1.00	24.76	<=33.01	Pass
			38	23.77	1.00	24.77	<=33.01	Pass
			74	23.69	1.00	24.69	<=33.01	Pass
		36	0	22.76	1.00	23.76	<=33.01	Pass
			18	22.85	1.00	23.85	<=33.01	Pass
			39	22.83	1.00	23.83	<=33.01	Pass
		75	0	22.76	1.00	23.76	<=33.01	Pass
16QAM	2577.5	1	0	22.71	1.00	23.71	<=33.01	Pass
			38	22.83	1.00	23.83	<=33.01	Pass
			74	22.64	1.00	23.64	<=33.01	Pass
		36	0	21.86	1.00	22.86	<=33.01	Pass
			18	21.86	1.00	22.86	<=33.01	Pass
			39	21.83	1.00	22.83	<=33.01	Pass
		75	0	21.83	1.00	22.83	<=33.01	Pass
		2595	0	22.76	1.00	23.76	<=33.01	Pass
			38	22.89	1.00	23.89	<=33.01	Pass
			74	22.81	1.00	23.81	<=33.01	Pass
		36	0	21.76	1.00	22.76	<=33.01	Pass
			18	21.74	1.00	22.74	<=33.01	Pass
			39	21.75	1.00	22.75	<=33.01	Pass
		75	0	21.73	1.00	22.73	<=33.01	Pass
	2612.5	1	0	22.71	1.00	23.71	<=33.01	Pass
			38	22.86	1.00	23.86	<=33.01	Pass
			74	22.78	1.00	23.78	<=33.01	Pass
		36	0	21.77	1.00	22.77	<=33.01	Pass
			18	21.86	1.00	22.86	<=33.01	Pass
			39	21.87	1.00	22.87	<=33.01	Pass
		75	0	21.75	1.00	22.75	<=33.01	Pass
64QAM	2577.5	1	0	22.75	1.00	23.75	<=33.01	Pass
			38	22.86	1.00	23.86	<=33.01	Pass
			74	22.73	1.00	23.73	<=33.01	Pass
		36	0	21.88	1.00	22.88	<=33.01	Pass
			18	21.89	1.00	22.89	<=33.01	Pass
			39	21.88	1.00	22.88	<=33.01	Pass
		75	0	21.88	1.00	22.88	<=33.01	Pass
		2595	0	22.82	1.00	23.82	<=33.01	Pass
			38	22.68	1.00	23.68	<=33.01	Pass
			74	22.74	1.00	23.74	<=33.01	Pass
		36	0	21.76	1.00	22.76	<=33.01	Pass
			18	21.76	1.00	22.76	<=33.01	Pass
			39	21.82	1.00	22.82	<=33.01	Pass
		75	0	21.74	1.00	22.74	<=33.01	Pass
	2612.5	1	0	22.77	1.00	23.77	<=33.01	Pass
			38	22.64	1.00	23.64	<=33.01	Pass
			74	22.65	1.00	23.65	<=33.01	Pass
		36	0	21.74	1.00	22.74	<=33.01	Pass
			18	21.86	1.00	22.86	<=33.01	Pass

			39	21.82	1.00	22.82	<=33.01	Pass		
		75	0	21.75	1.00	22.75	<=33.01	Pass		
256QAM	2577.5	1	0	18.86	1.00	19.86	<=33.01	Pass		
			38	18.82	1.00	19.82	<=33.01	Pass		
			74	18.87	1.00	19.87	<=33.01	Pass		
		36	0	19.04	1.00	20.04	<=33.01	Pass		
			18	18.94	1.00	19.94	<=33.01	Pass		
			39	18.99	1.00	19.99	<=33.01	Pass		
		75	0	18.96	1.00	19.96	<=33.01	Pass		
		2595	1	0	18.78	1.00	19.78	<=33.01	Pass	
				38	18.84	1.00	19.84	<=33.01	Pass	
	74			18.89	1.00	19.89	<=33.01	Pass		
	36		0	18.89	1.00	19.89	<=33.01	Pass		
			18	18.84	1.00	19.84	<=33.01	Pass		
			39	18.92	1.00	19.92	<=33.01	Pass		
	75		0	18.86	1.00	19.86	<=33.01	Pass		
	2612.5		1	0	18.77	1.00	19.77	<=33.01	Pass	
				38	18.95	1.00	19.95	<=33.01	Pass	
		74		18.92	1.00	19.92	<=33.01	Pass		
		36	0	18.93	1.00	19.93	<=33.01	Pass		
			18	18.96	1.00	19.96	<=33.01	Pass		
			39	18.91	1.00	19.91	<=33.01	Pass		
		75	0	18.86	1.00	19.86	<=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	23.65	1.00	24.65	<=33.01	Pass
			50	23.80	1.00	24.80	<=33.01	Pass
			99	23.71	1.00	24.71	<=33.01	Pass
		50	0	22.71	1.00	23.71	<=33.01	Pass
			25	22.91	1.00	23.91	<=33.01	Pass
			50	22.86	1.00	23.86	<=33.01	Pass
		100	0	22.83	1.00	23.83	<=33.01	Pass
	2595	1	0	23.77	1.00	24.77	<=33.01	Pass
			50	23.75	1.00	24.75	<=33.01	Pass
			99	23.66	1.00	24.66	<=33.01	Pass
		50	0	22.72	1.00	23.72	<=33.01	Pass
			25	22.71	1.00	23.71	<=33.01	Pass
			50	22.85	1.00	23.85	<=33.01	Pass
		100	0	22.74	1.00	23.74	<=33.01	Pass
	2610	1	0	23.68	1.00	24.68	<=33.01	Pass
			50	23.76	1.00	24.76	<=33.01	Pass
			99	23.67	1.00	24.67	<=33.01	Pass
		50	0	22.74	1.00	23.74	<=33.01	Pass
			25	22.87	1.00	23.87	<=33.01	Pass
			50	22.85	1.00	23.85	<=33.01	Pass
		100	0	22.87	1.00	23.87	<=33.01	Pass
16QAM	2580	1	0	22.79	1.00	23.79	<=33.01	Pass
			50	22.83	1.00	23.83	<=33.01	Pass
			99	22.77	1.00	23.77	<=33.01	Pass
		50	0	21.79	1.00	22.79	<=33.01	Pass
			25	21.87	1.00	22.87	<=33.01	Pass
			50	21.86	1.00	22.86	<=33.01	Pass
		100	0	21.86	1.00	22.86	<=33.01	Pass
	2595	1	0	22.81	1.00	23.81	<=33.01	Pass
			50	22.79	1.00	23.79	<=33.01	Pass
			99	22.57	1.00	23.57	<=33.01	Pass
		50	0	21.76	1.00	22.76	<=33.01	Pass

		100	25	21.78	1.00	22.78	<=33.01	Pass
			50	21.83	1.00	22.83	<=33.01	Pass
			0	21.72	1.00	22.72	<=33.01	Pass
	2610	1	0	22.70	1.00	23.70	<=33.01	Pass
			50	22.87	1.00	23.87	<=33.01	Pass
			99	22.66	1.00	23.66	<=33.01	Pass
		50	0	21.72	1.00	22.72	<=33.01	Pass
			25	21.91	1.00	22.91	<=33.01	Pass
			50	21.84	1.00	22.84	<=33.01	Pass
		100	0	21.87	1.00	22.87	<=33.01	Pass
64QAM	2580	1	0	22.64	1.00	23.64	<=33.01	Pass
			50	22.81	1.00	23.81	<=33.01	Pass
			99	22.71	1.00	23.71	<=33.01	Pass
		50	0	21.75	1.00	22.75	<=33.01	Pass
			25	21.86	1.00	22.86	<=33.01	Pass
			50	21.77	1.00	22.77	<=33.01	Pass
		100	0	21.80	1.00	22.80	<=33.01	Pass
	2595	1	0	22.84	1.00	23.84	<=33.01	Pass
			50	22.77	1.00	23.77	<=33.01	Pass
			99	22.70	1.00	23.70	<=33.01	Pass
		50	0	21.74	1.00	22.74	<=33.01	Pass
			25	21.75	1.00	22.75	<=33.01	Pass
			50	21.82	1.00	22.82	<=33.01	Pass
		100	0	21.78	1.00	22.78	<=33.01	Pass
	2610	1	0	22.70	1.00	23.70	<=33.01	Pass
			50	22.86	1.00	23.86	<=33.01	Pass
			99	22.81	1.00	23.81	<=33.01	Pass
		50	0	21.73	1.00	22.73	<=33.01	Pass
			25	21.88	1.00	22.88	<=33.01	Pass
			50	21.83	1.00	22.83	<=33.01	Pass
		100	0	21.85	1.00	22.85	<=33.01	Pass
256QAM	2580	1	0	18.84	1.00	19.84	<=33.01	Pass
			50	19.07	1.00	20.07	<=33.01	Pass
			99	18.85	1.00	19.85	<=33.01	Pass
		50	0	18.86	1.00	19.86	<=33.01	Pass
			25	18.96	1.00	19.96	<=33.01	Pass
			50	18.96	1.00	19.96	<=33.01	Pass
		100	0	18.95	1.00	19.95	<=33.01	Pass
	2595	1	0	18.76	1.00	19.76	<=33.01	Pass
			50	18.96	1.00	19.96	<=33.01	Pass
			99	18.98	1.00	19.98	<=33.01	Pass
		50	0	18.85	1.00	19.85	<=33.01	Pass
			25	18.88	1.00	19.88	<=33.01	Pass
			50	18.96	1.00	19.96	<=33.01	Pass
		100	0	18.88	1.00	19.88	<=33.01	Pass
	2610	1	0	18.78	1.00	19.78	<=33.01	Pass
			50	19.00	1.00	20.00	<=33.01	Pass
			99	18.89	1.00	19.89	<=33.01	Pass
		50	0	18.86	1.00	19.86	<=33.01	Pass
			25	18.94	1.00	19.94	<=33.01	Pass
			50	18.97	1.00	19.97	<=33.01	Pass
		100	0	18.92	1.00	19.92	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B38_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	3.27	-5.100	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.100	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.600	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.300	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-5.600	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.400	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.700	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-7.000	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-4.700	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.800	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-3.900	-0.0015	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band38_OBW

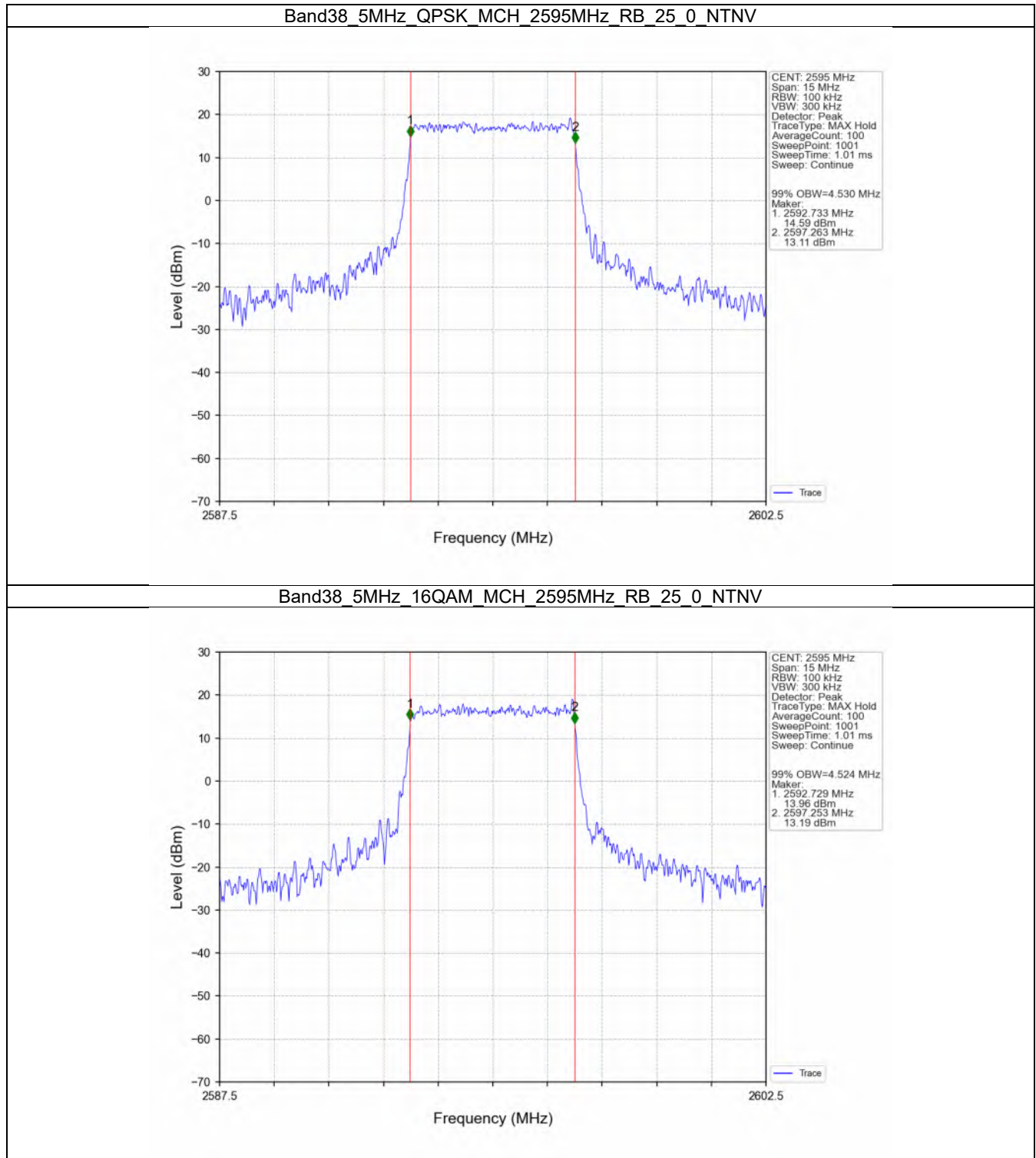
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	4.530	/	Pass
	16QAM	2595	25	0	4.524	/	Pass
	64QAM	2595	25	0	4.538	/	Pass
	256QAM	2595	25	0	4.527	/	Pass
10	QPSK	2595	50	0	9.037	/	Pass
	16QAM	2595	50	0	9.018	/	Pass
	64QAM	2595	50	0	9.025	/	Pass
	256QAM	2595	50	0	9.015	/	Pass
15	QPSK	2595	75	0	13.562	/	Pass
	16QAM	2595	75	0	13.528	/	Pass
	64QAM	2595	75	0	13.524	/	Pass
	256QAM	2595	75	0	13.519	/	Pass
20	QPSK	2595	100	0	18.045	/	Pass
	16QAM	2595	100	0	18.095	/	Pass
	64QAM	2595	100	0	18.133	/	Pass
	256QAM	2595	100	0	18.043	/	Pass

3.1.2 Band38_XDB

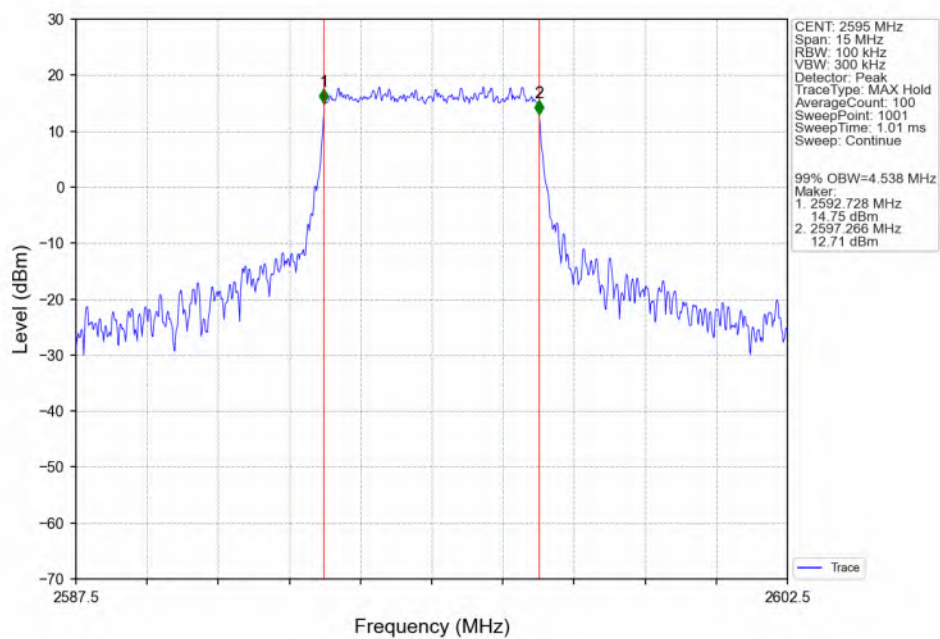
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2595	25	0	5.219	/	Pass
	16QAM	2595	25	0	5.157	/	Pass
	64QAM	2595	25	0	5.306	/	Pass
	256QAM	2595	25	0	5.366	/	Pass
10	QPSK	2595	50	0	11.001	/	Pass
	16QAM	2595	50	0	10.230	/	Pass
	64QAM	2595	50	0	9.870	/	Pass
	256QAM	2595	50	0	9.950	/	Pass
15	QPSK	2595	75	0	14.730	/	Pass
	16QAM	2595	75	0	14.945	/	Pass
	64QAM	2595	75	0	14.653	/	Pass
	256QAM	2595	75	0	14.644	/	Pass
20	QPSK	2595	100	0	19.922	/	Pass
	16QAM	2595	100	0	19.962	/	Pass
	64QAM	2595	100	0	20.652	/	Pass
	256QAM	2595	100	0	19.905	/	Pass

3.2 Test Graph

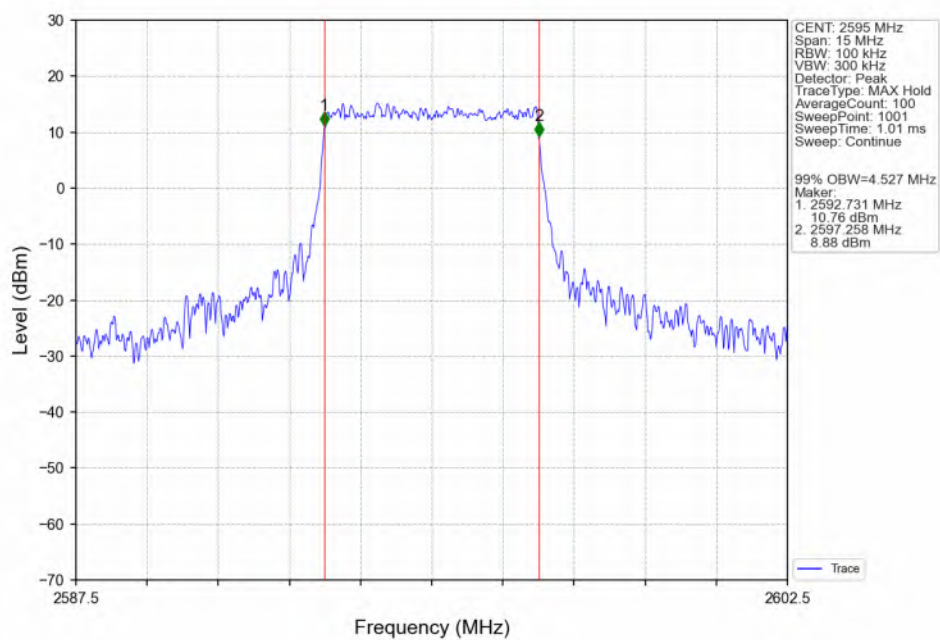
3.2.1 Band38_OBW



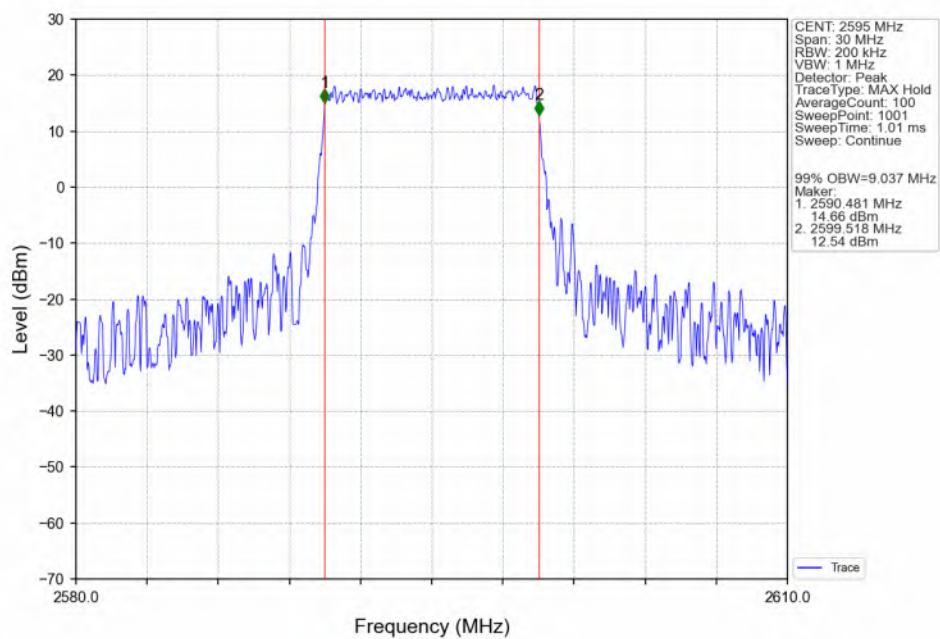
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



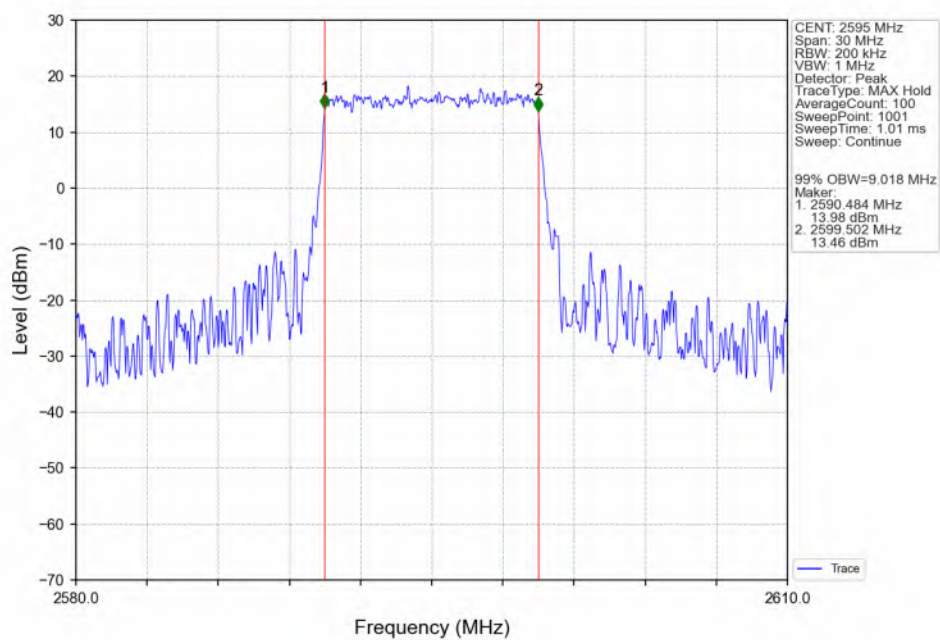
Band38_5MHz_256QAM_MCH_2595MHz_RB_25_0_NTNV



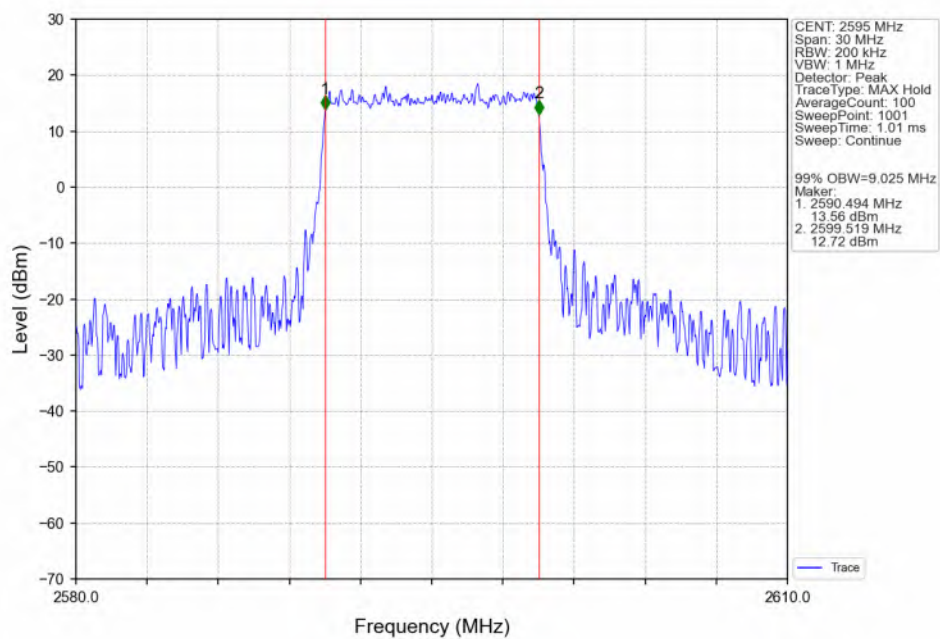
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



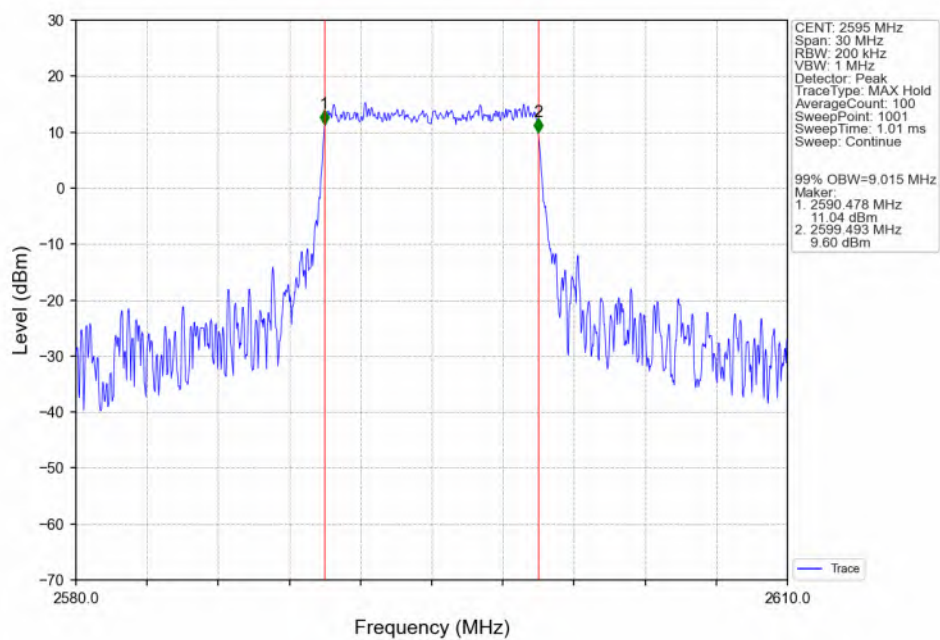
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



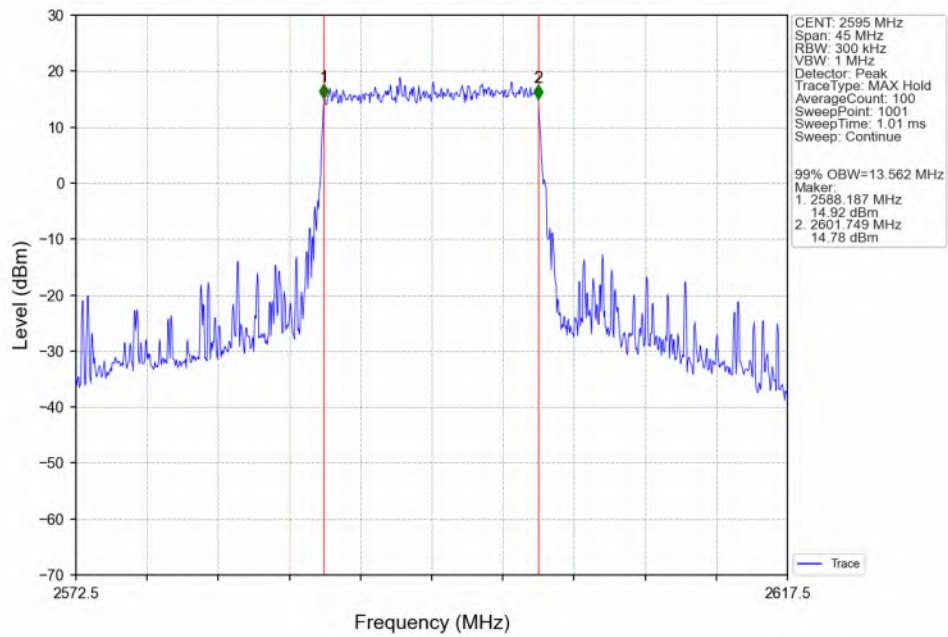
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



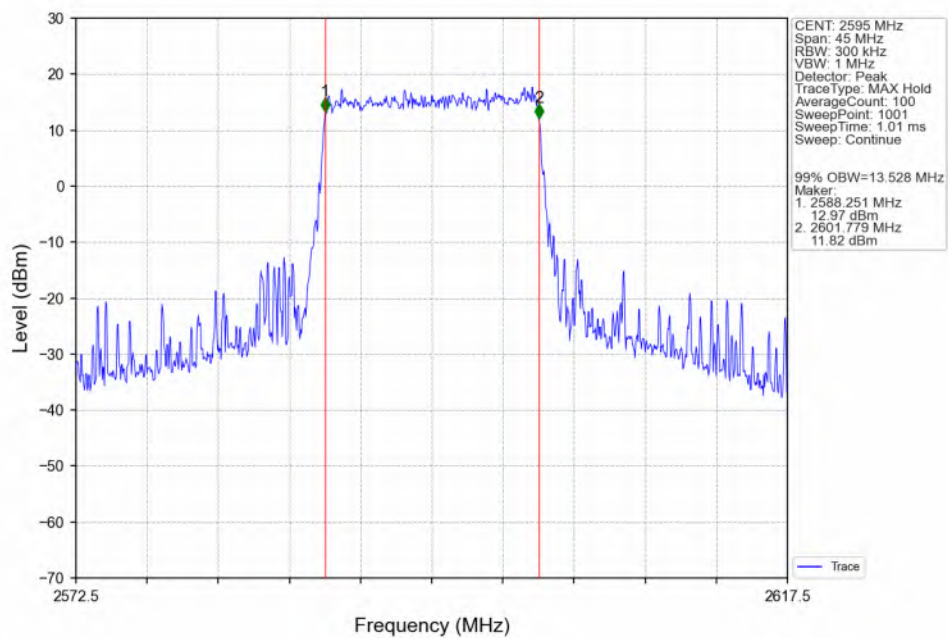
Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



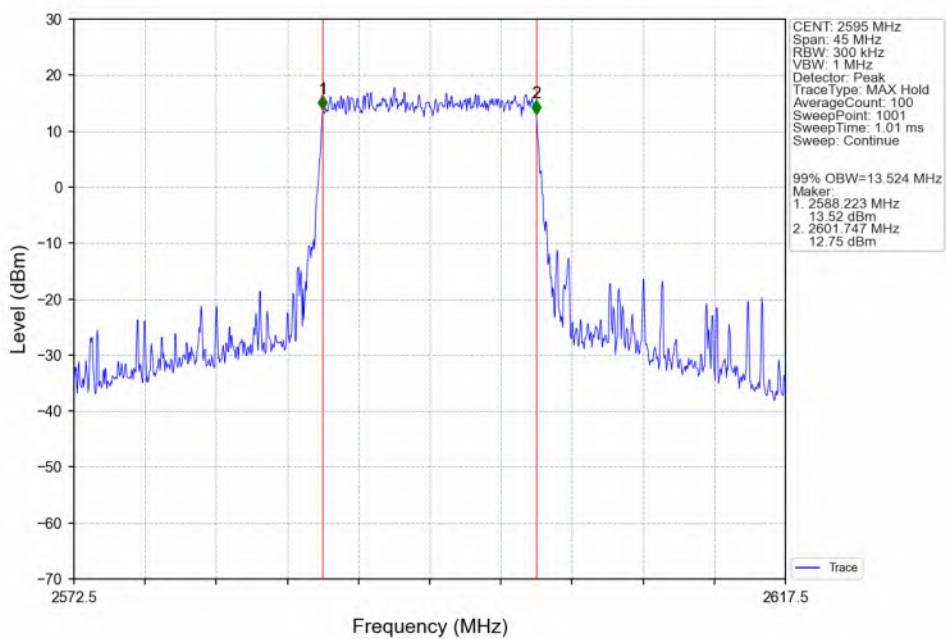
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



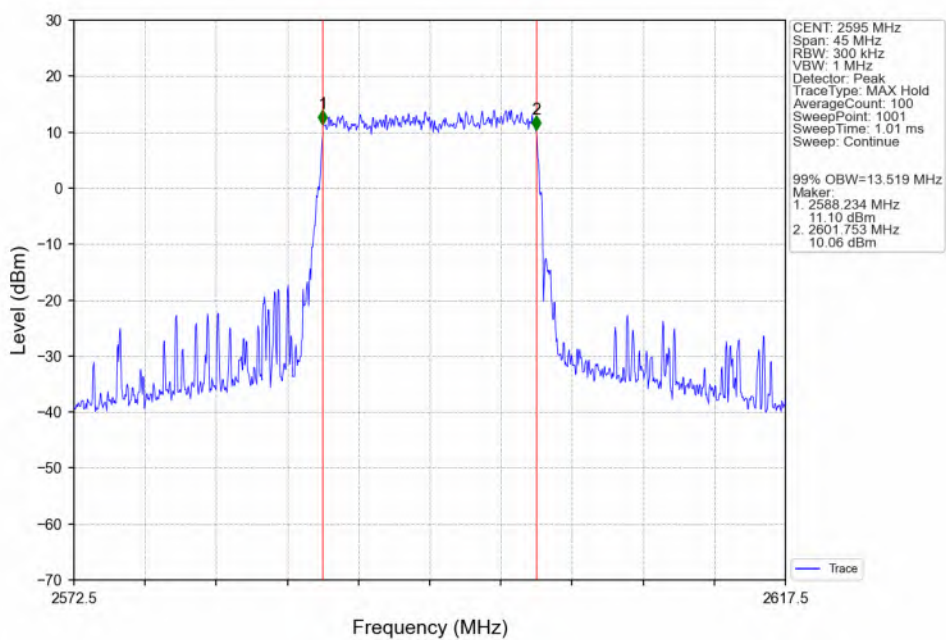
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



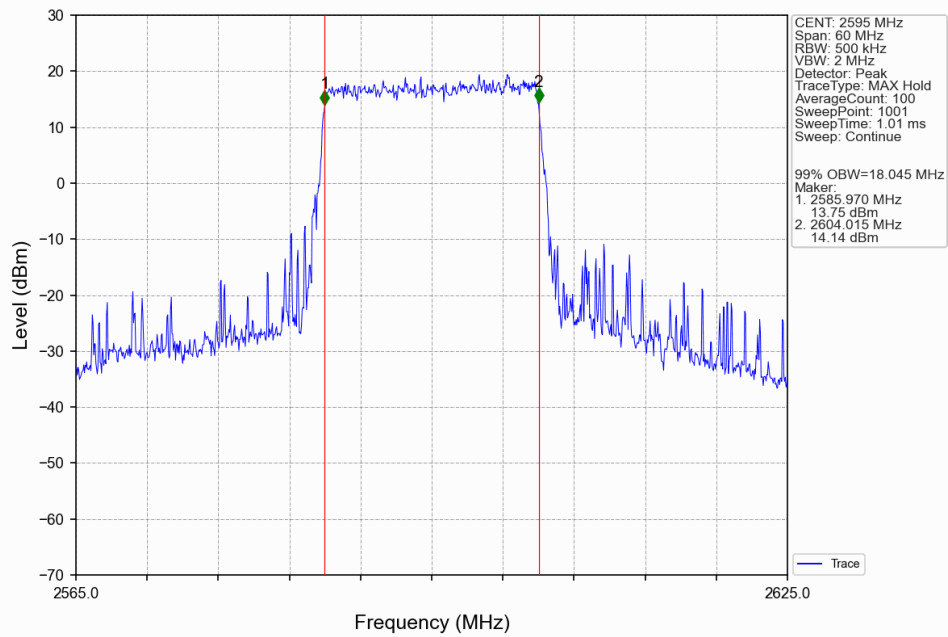
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



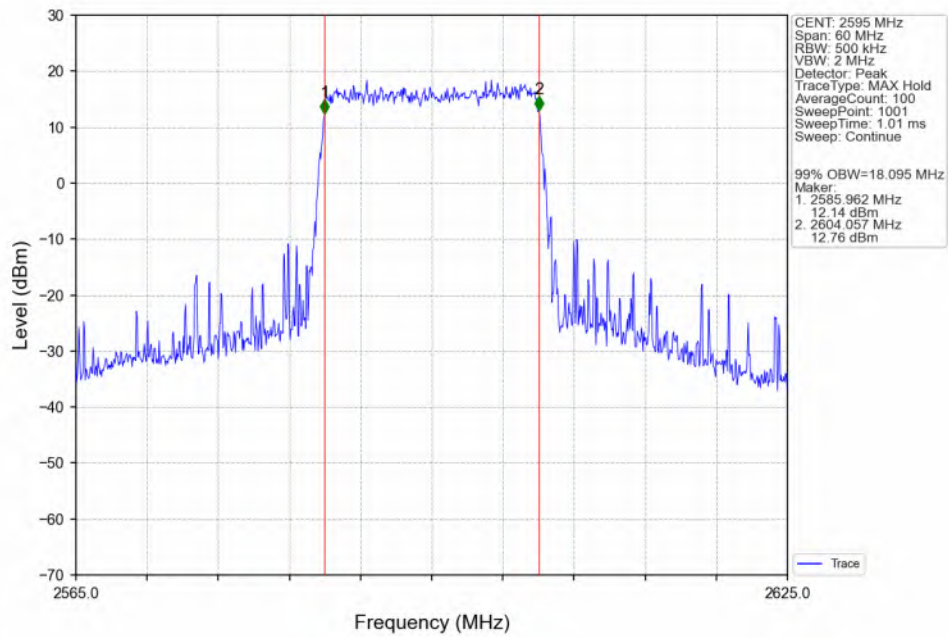
Band38_15MHz_256QAM_MCH_2595MHz_RB_75_0_NTNV



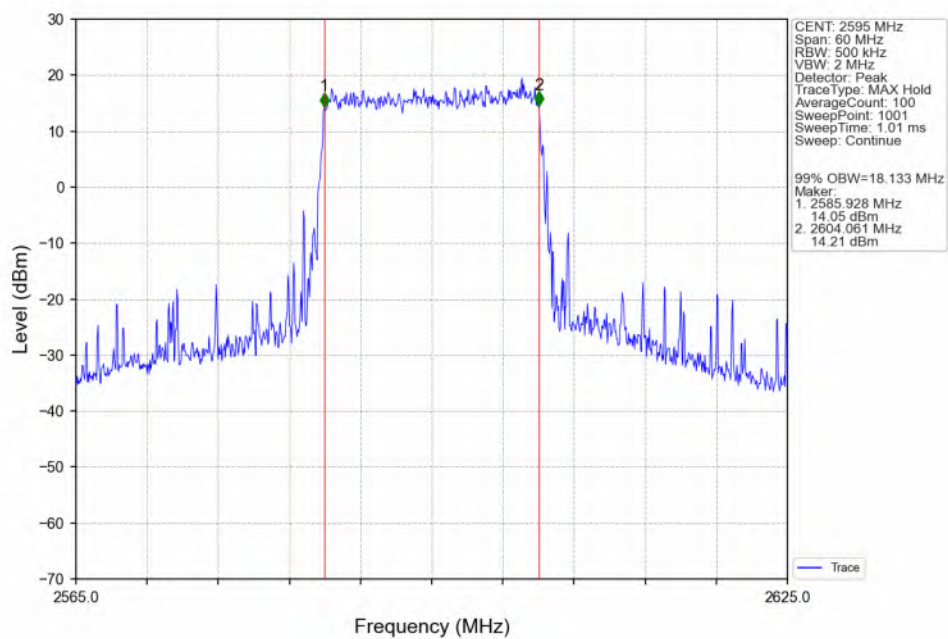
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



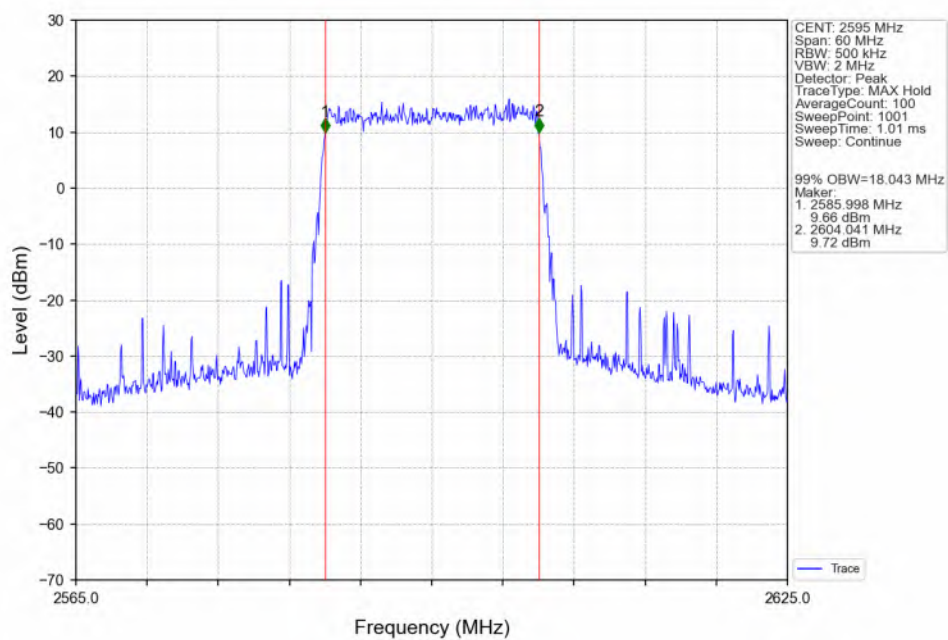
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



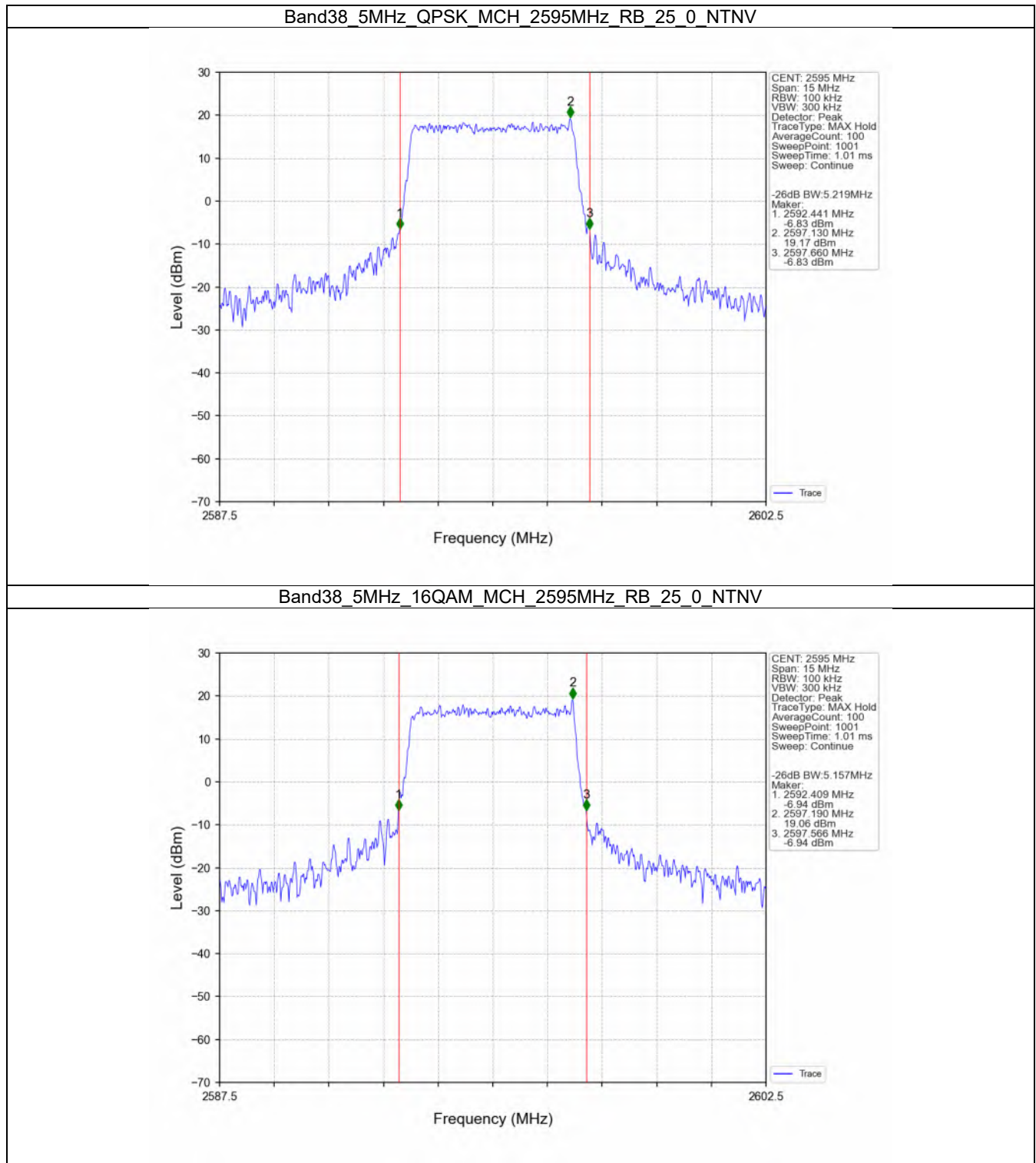
Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



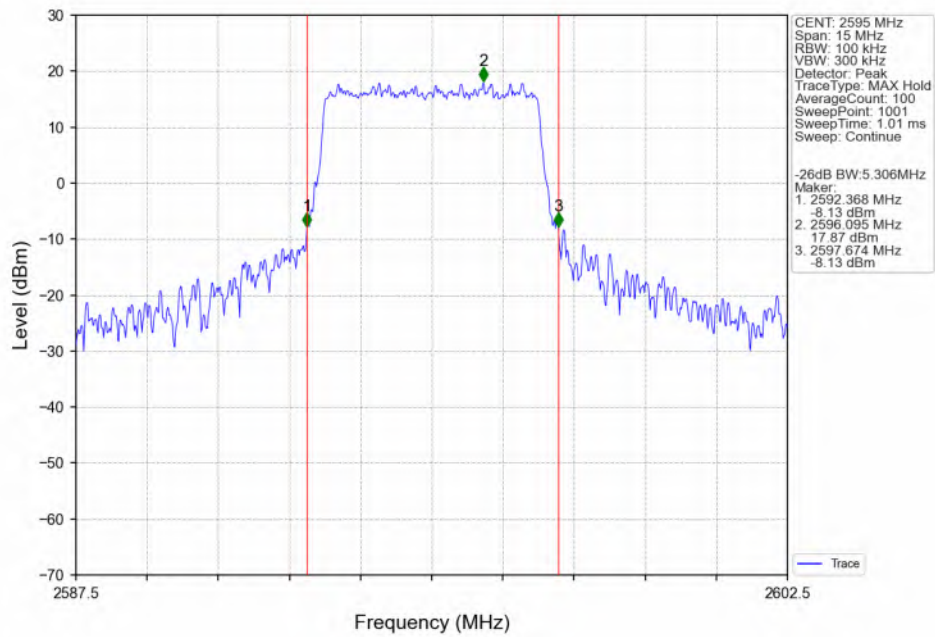
Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV



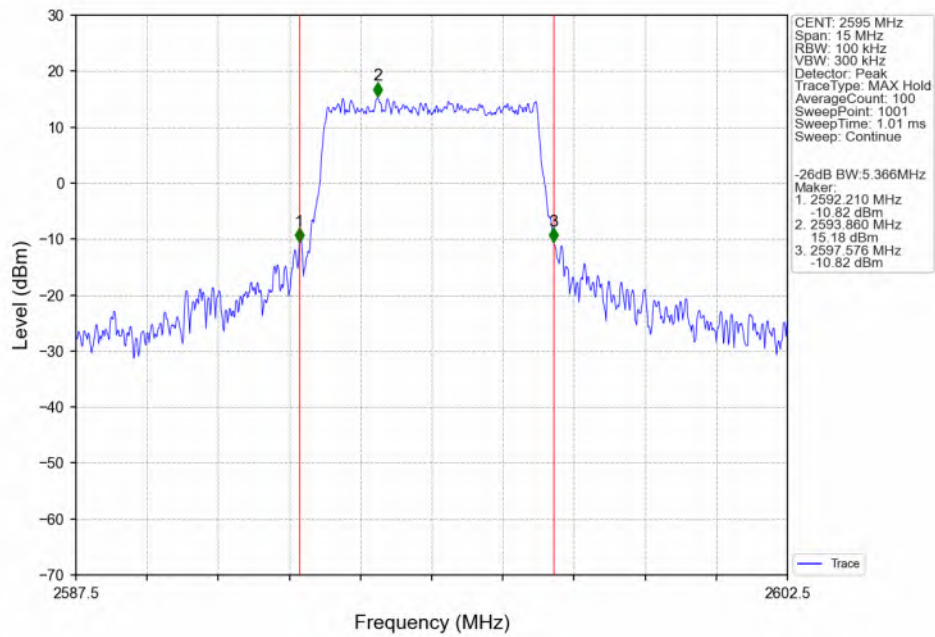
3.2.2 Band38_XDB



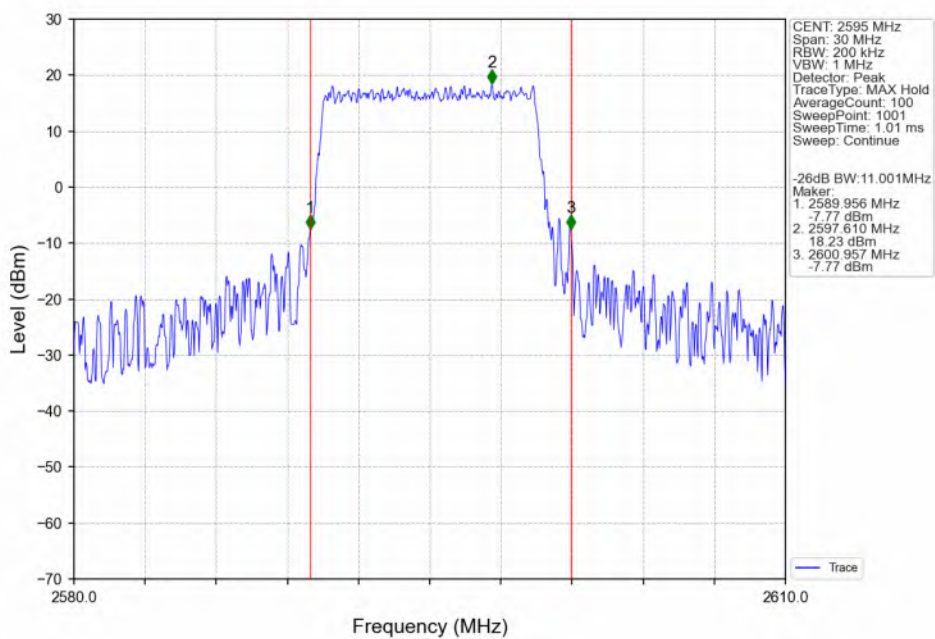
Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV



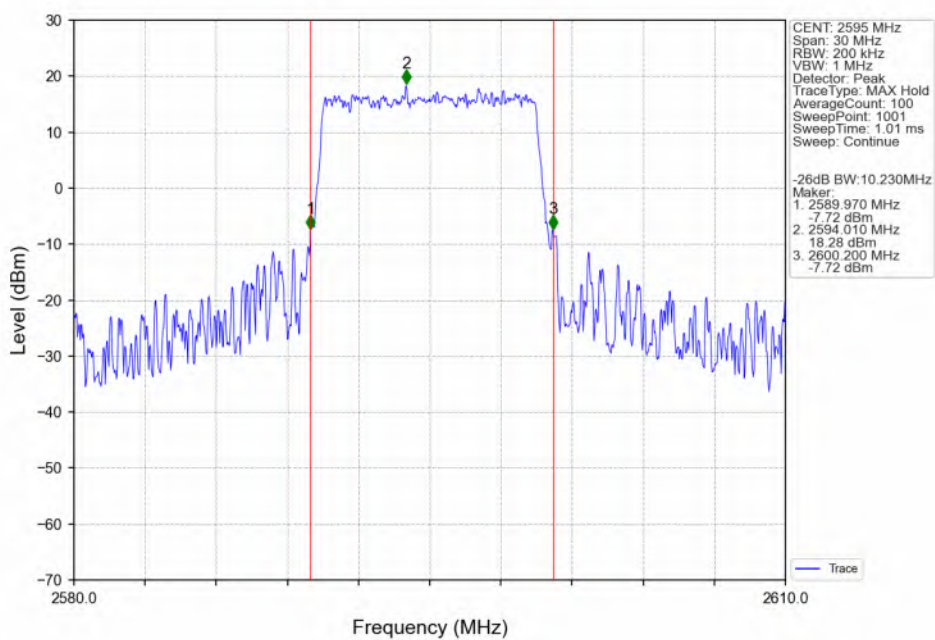
Band38_5MHz_256QAM_MCH_2595MHz_RB_25_0_NTNV



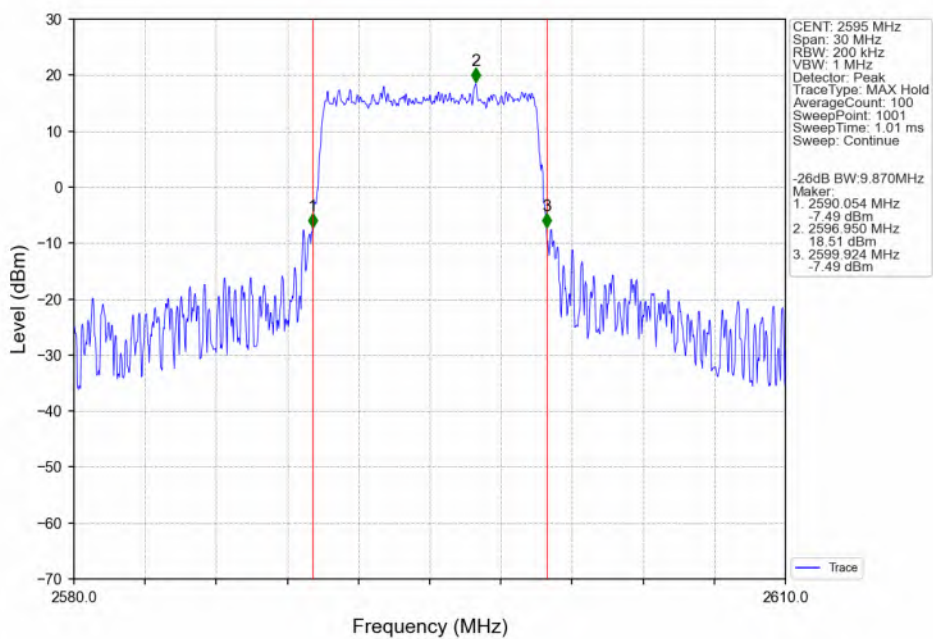
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



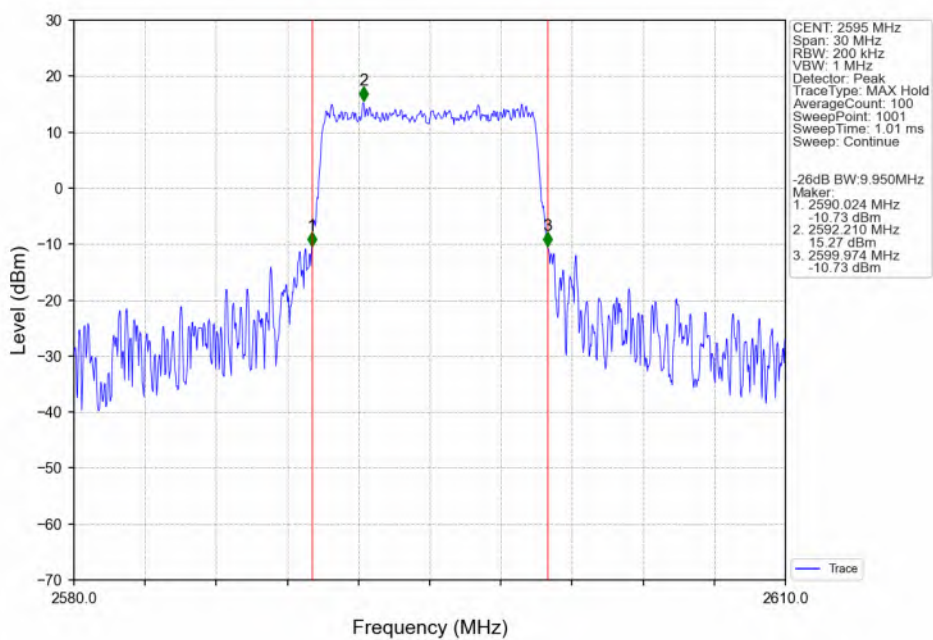
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



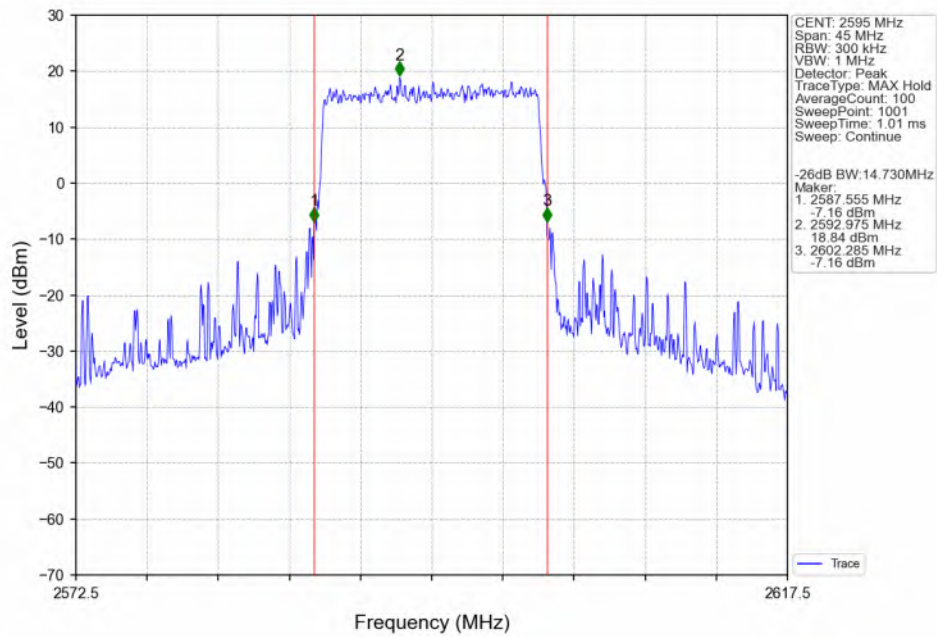
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



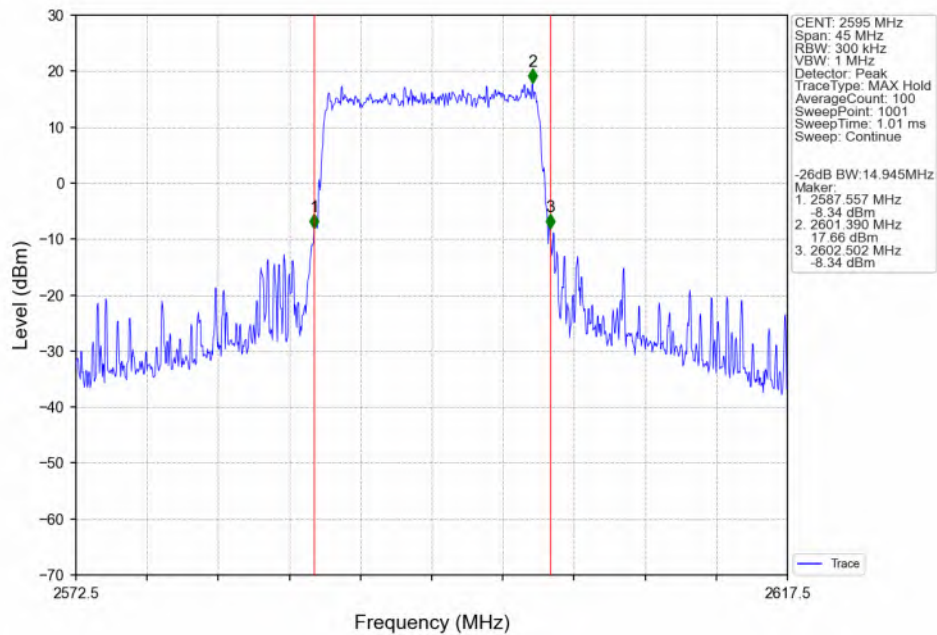
Band38_10MHz_256QAM_MCH_2595MHz_RB_50_0_NTNV



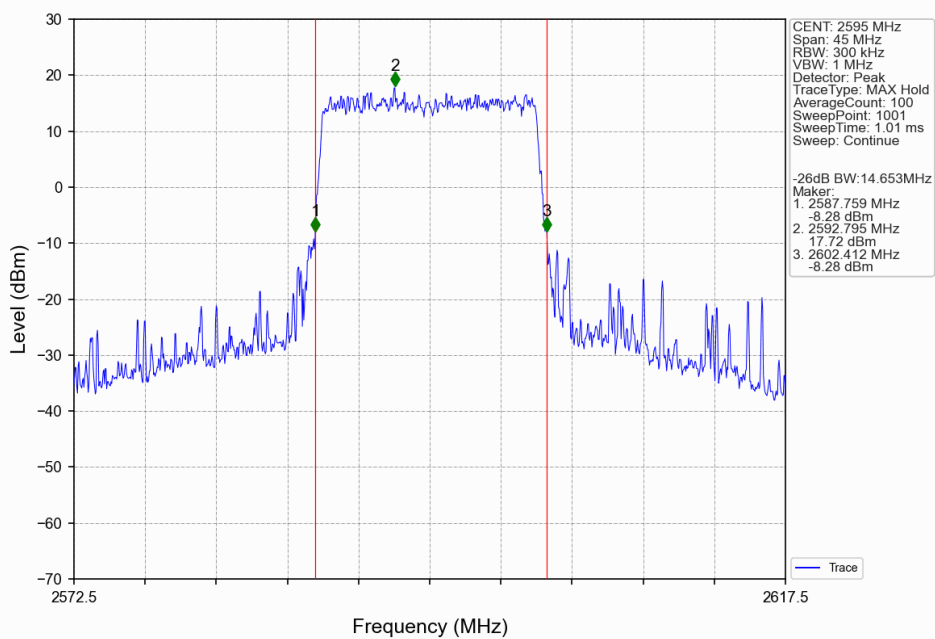
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



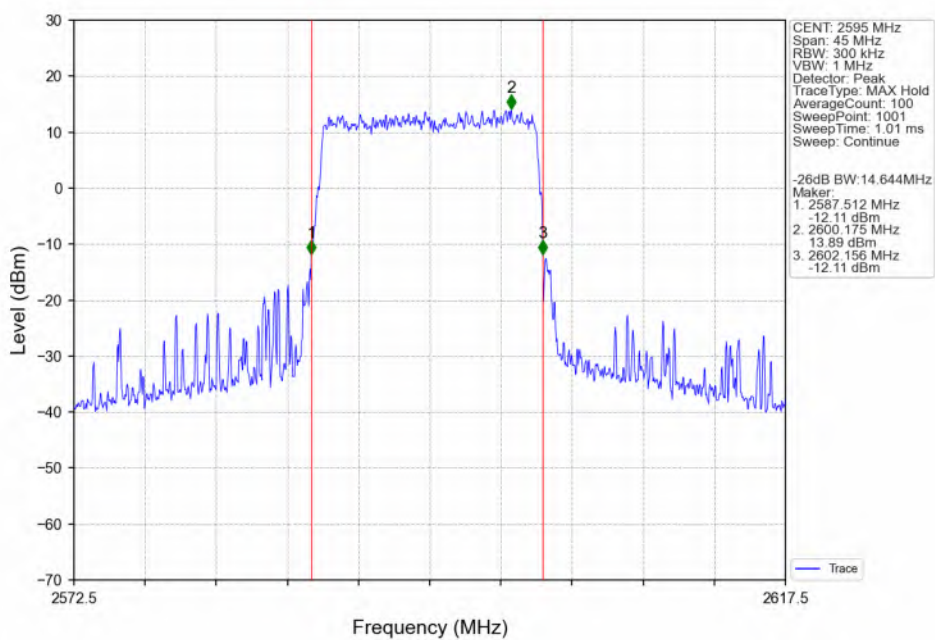
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



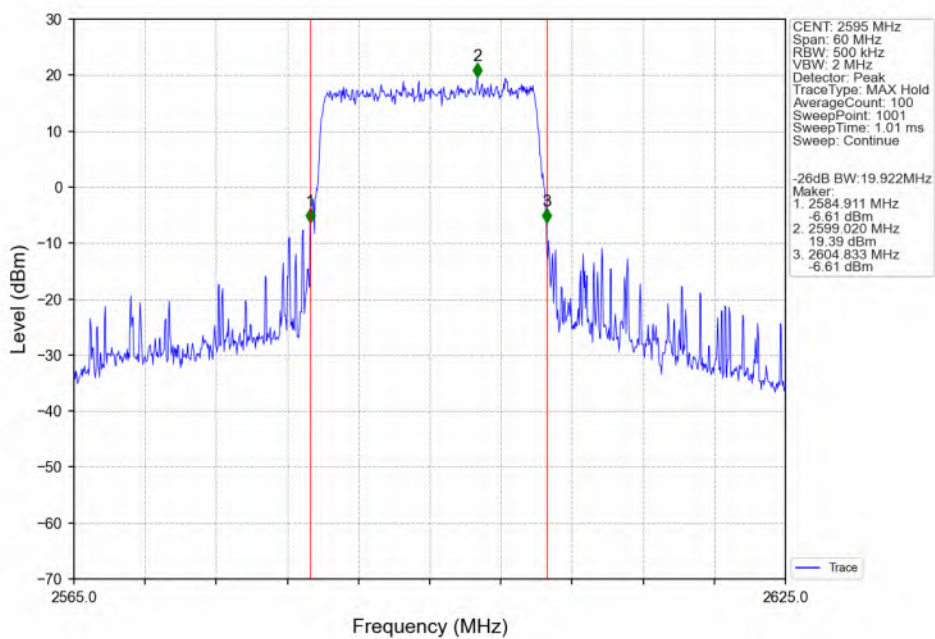
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



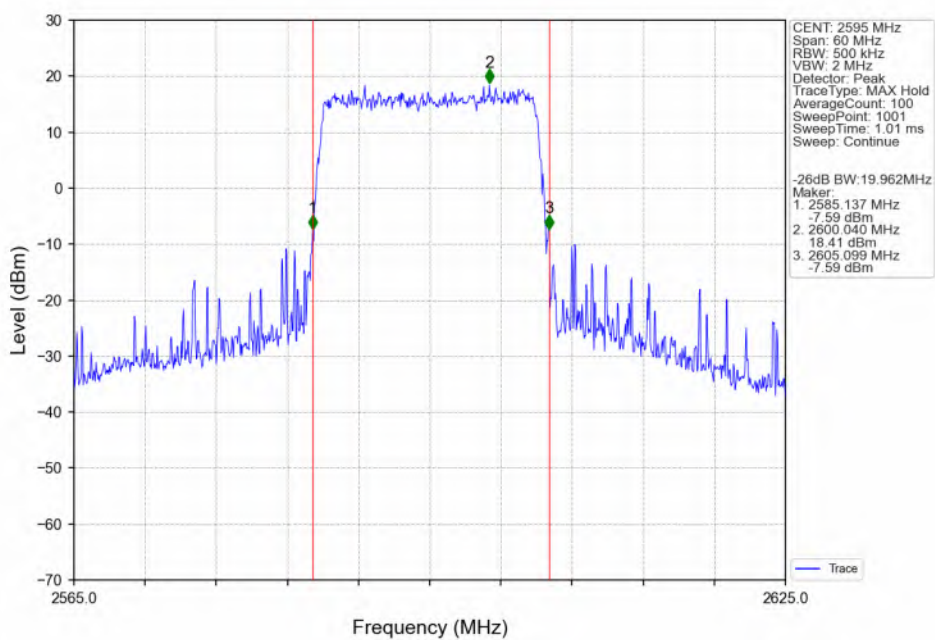
Band38_15MHz_256QAM_MCH_2595MHz_RB_75_0_NTNV



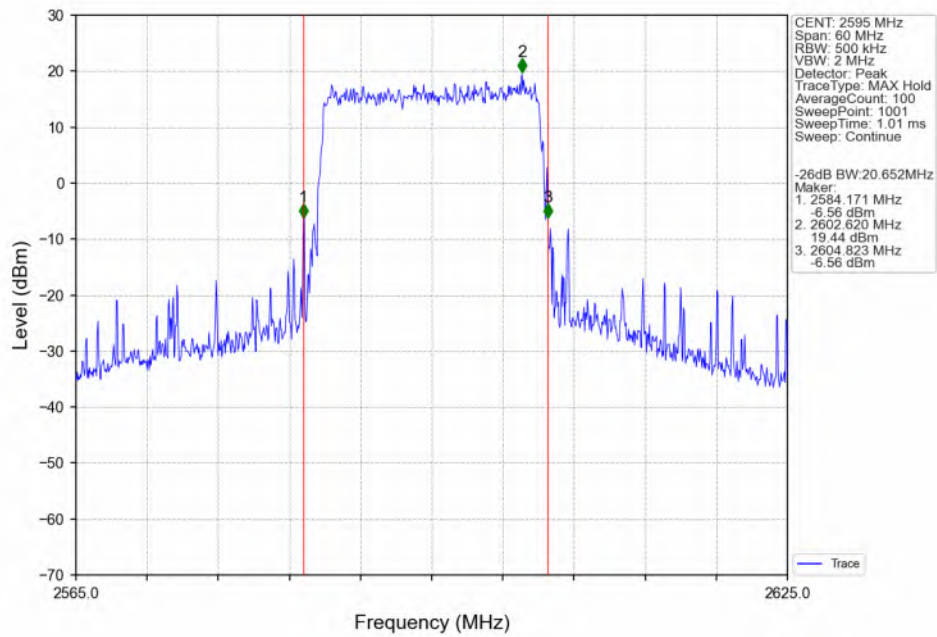
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



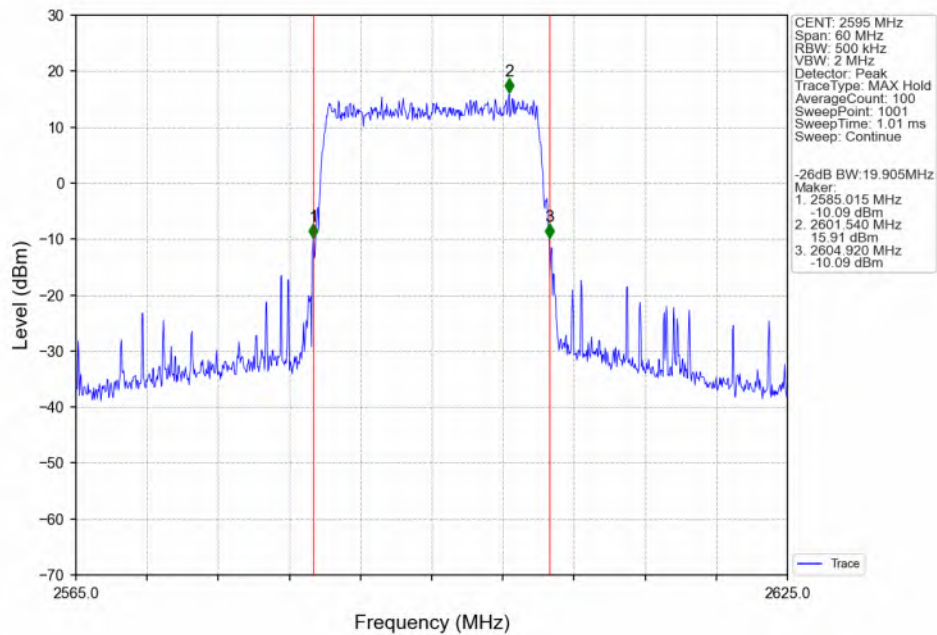
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_MCH_2595MHz_RB_100_0_NTNV



4. Peak-Average Ratio

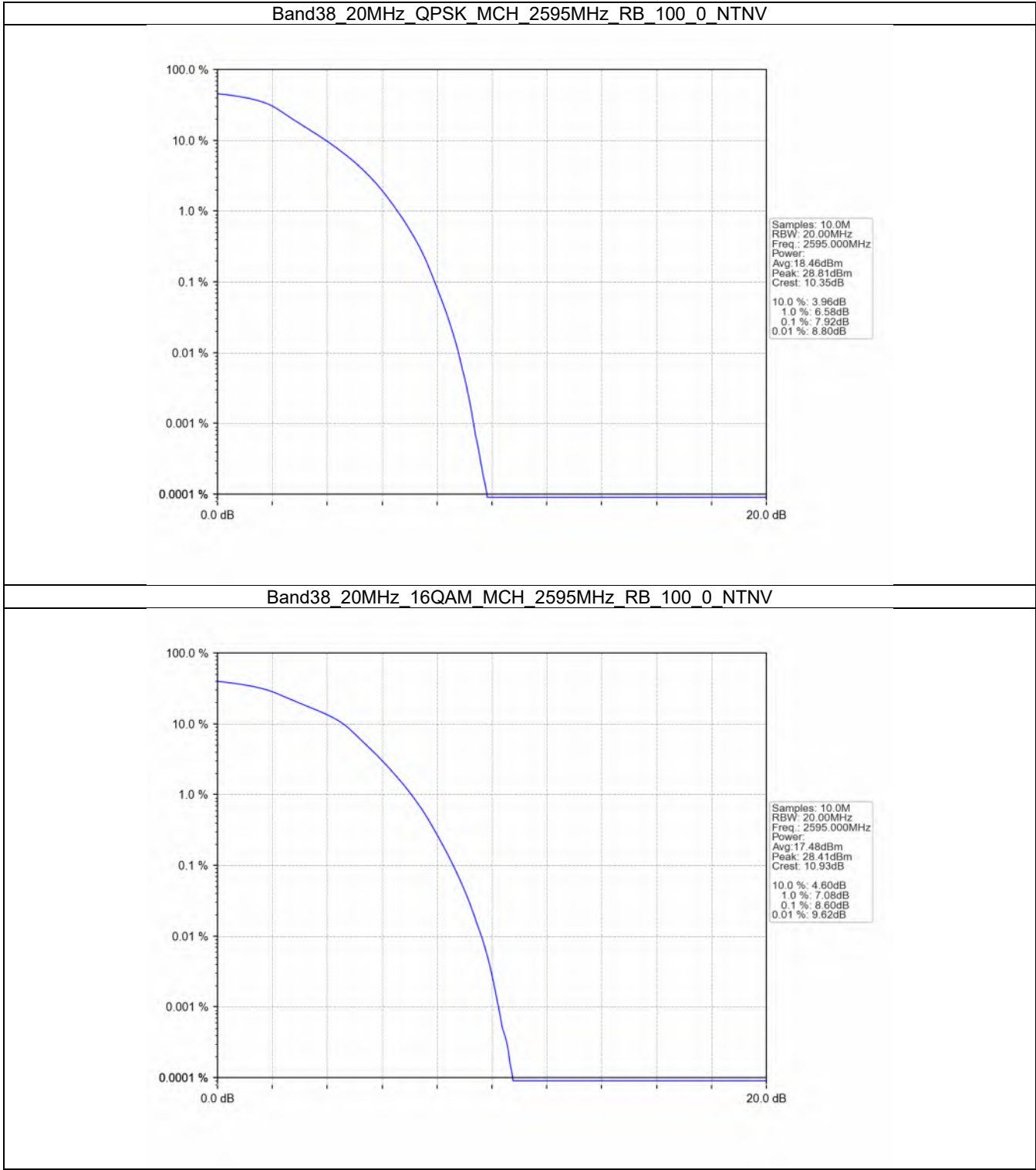
4.1 Test Result

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	7.92	<=13	Pass
16QAM	2595	100	0	8.60	<=13	Pass
64QAM	2595	100	0	8.58	<=13	Pass
256QAM	2595	100	0	8.82	<=13	Pass

4.2 Test Graph

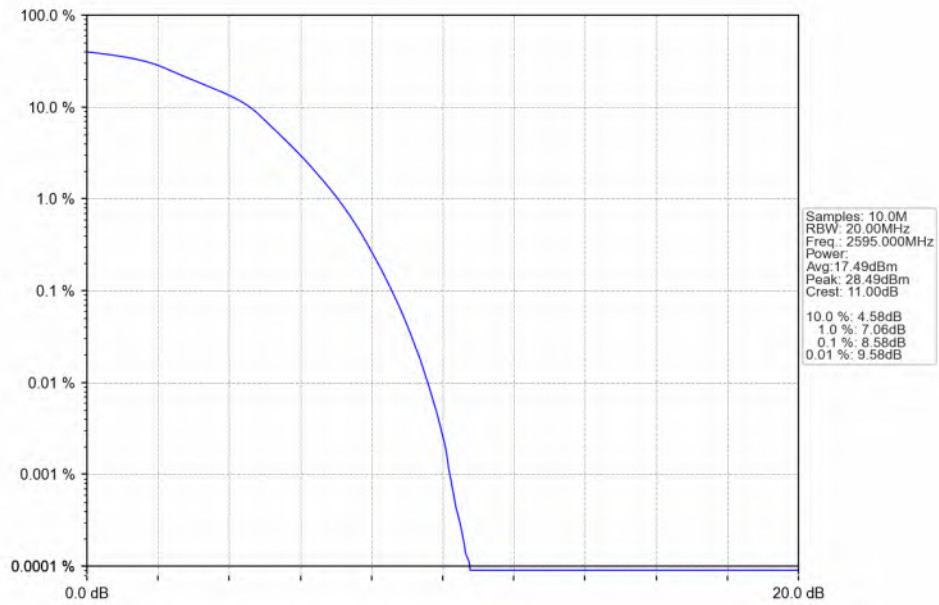
4.2.1 B38_20MHz



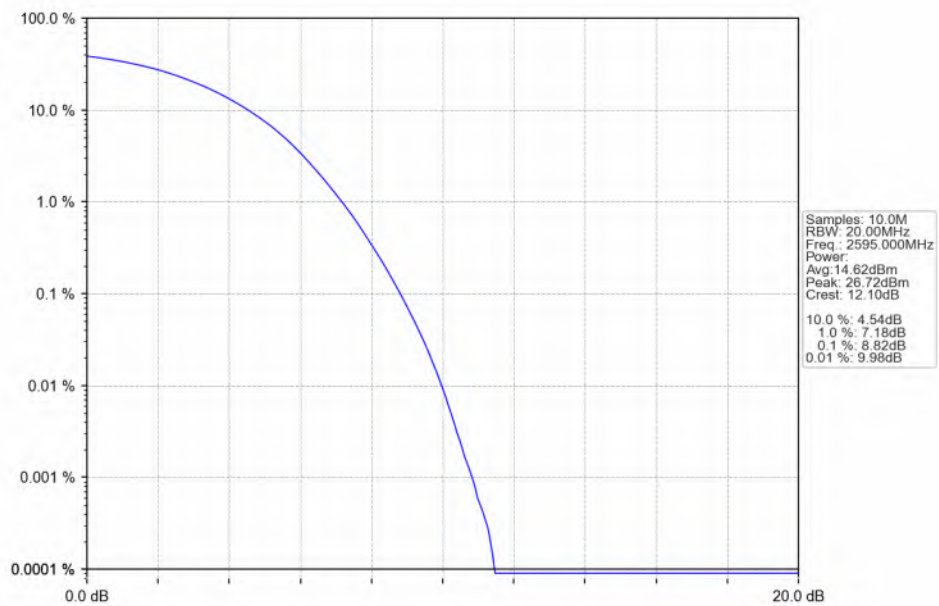
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV

Samples: 10.0M
RBW: 20.00MHz
Freq.: 2595.000MHz
Power:
Avg: 17.48dBm
Peak: 28.41dBm
Crest: 10.93dB

Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_256QAM_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

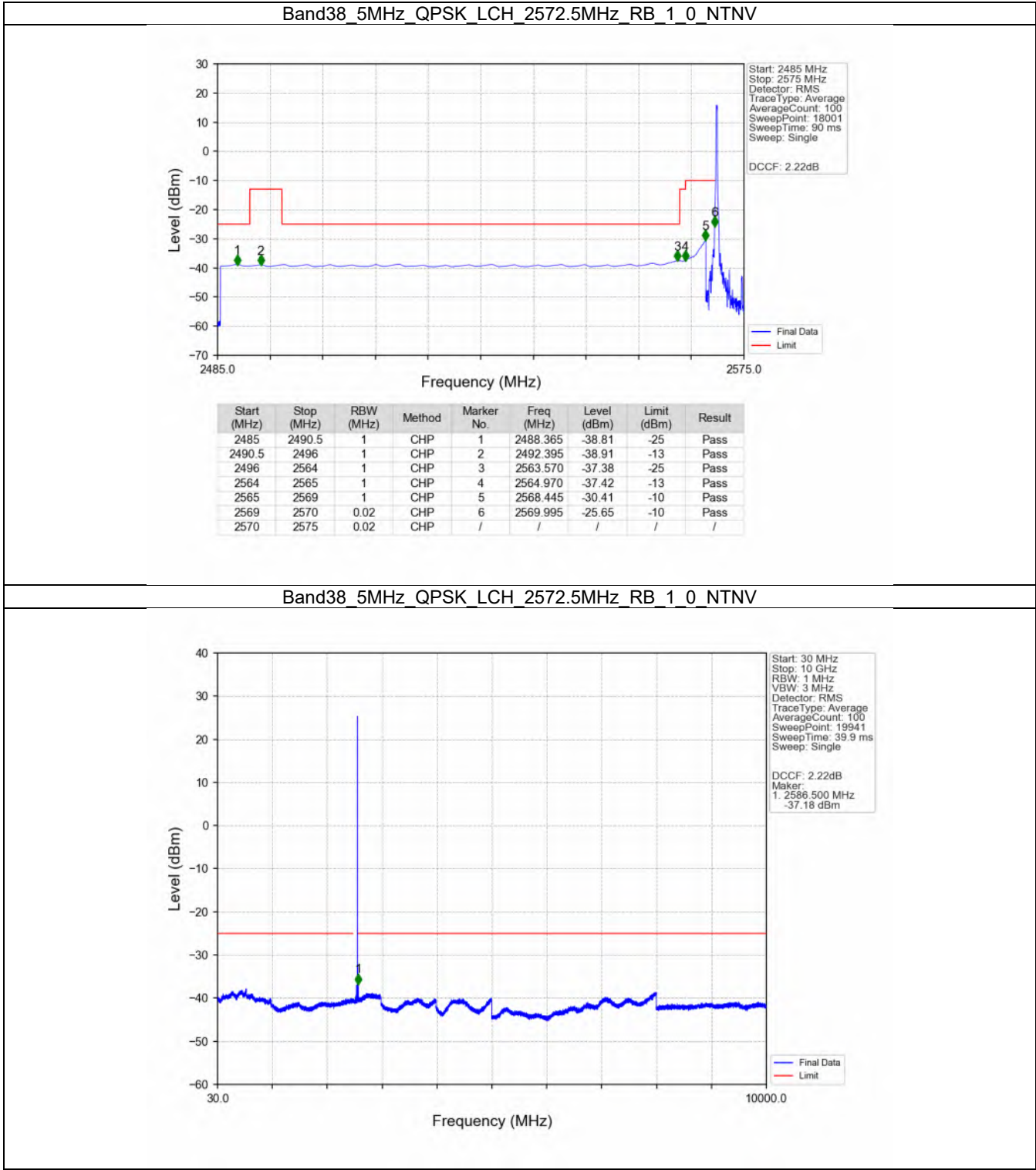
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

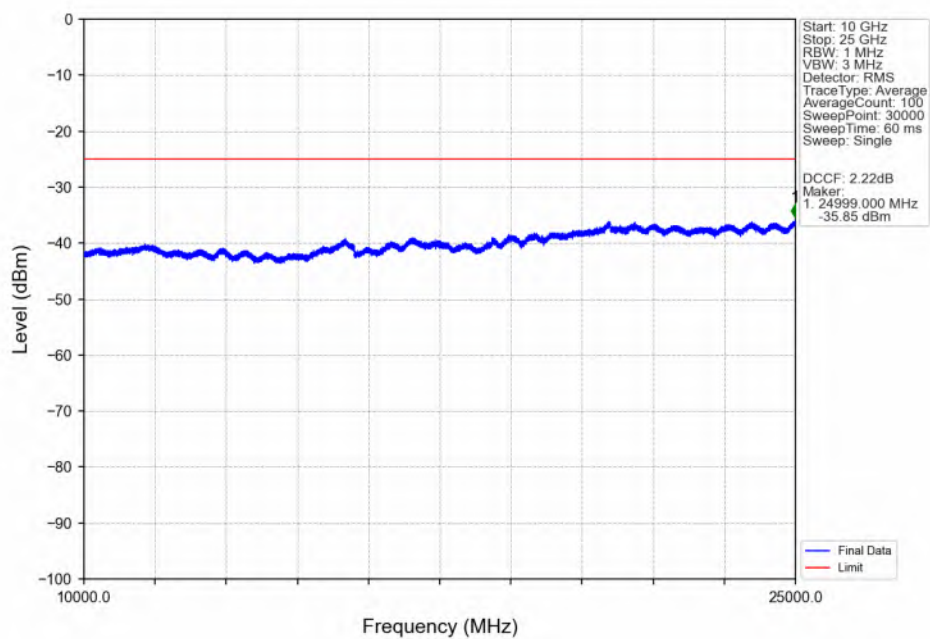
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

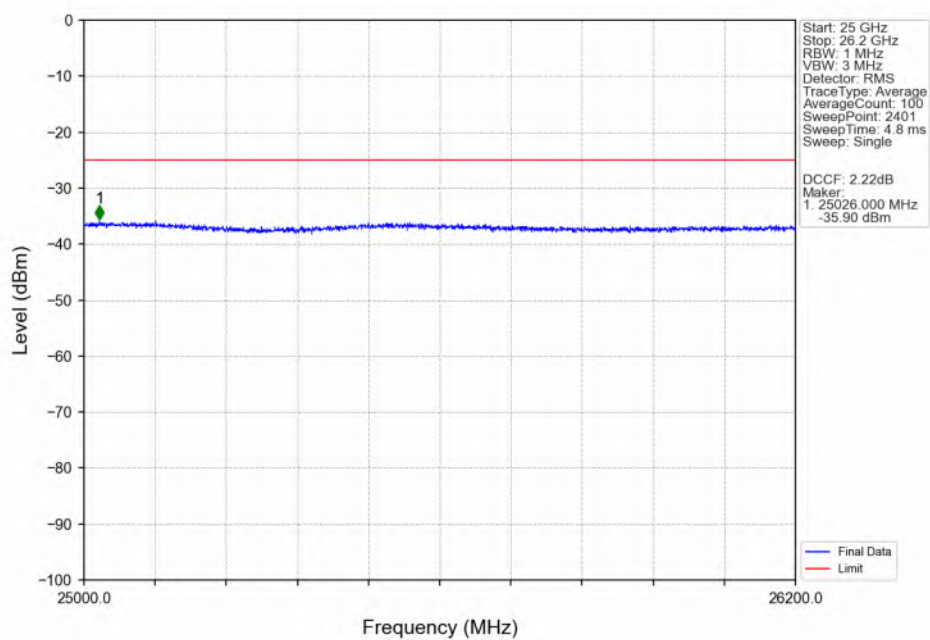
5.2.1 B38_5MHz



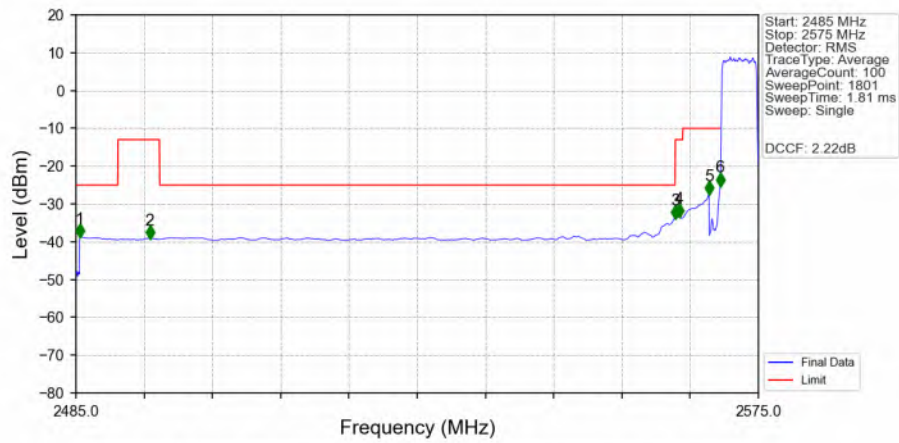
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

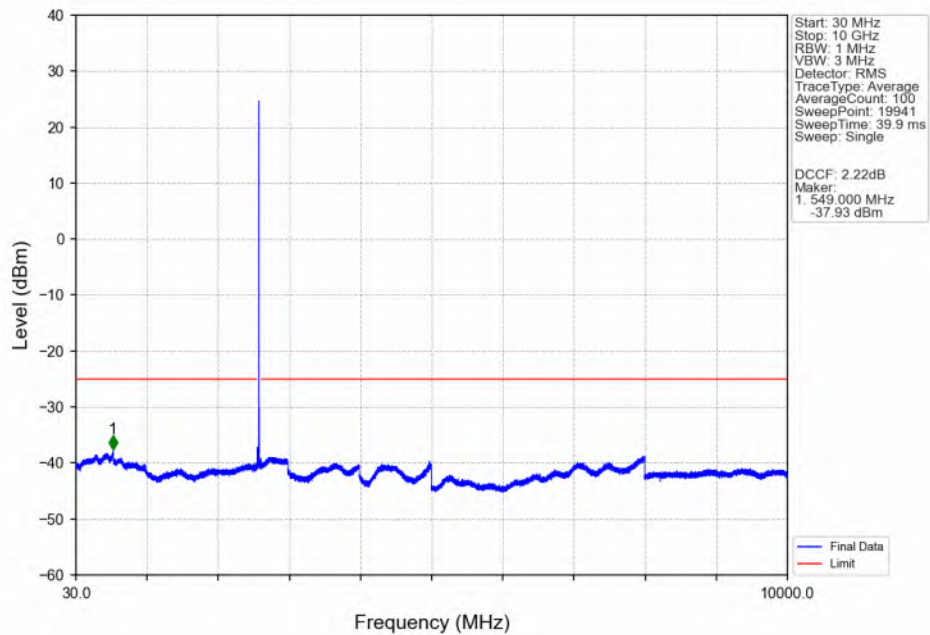


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

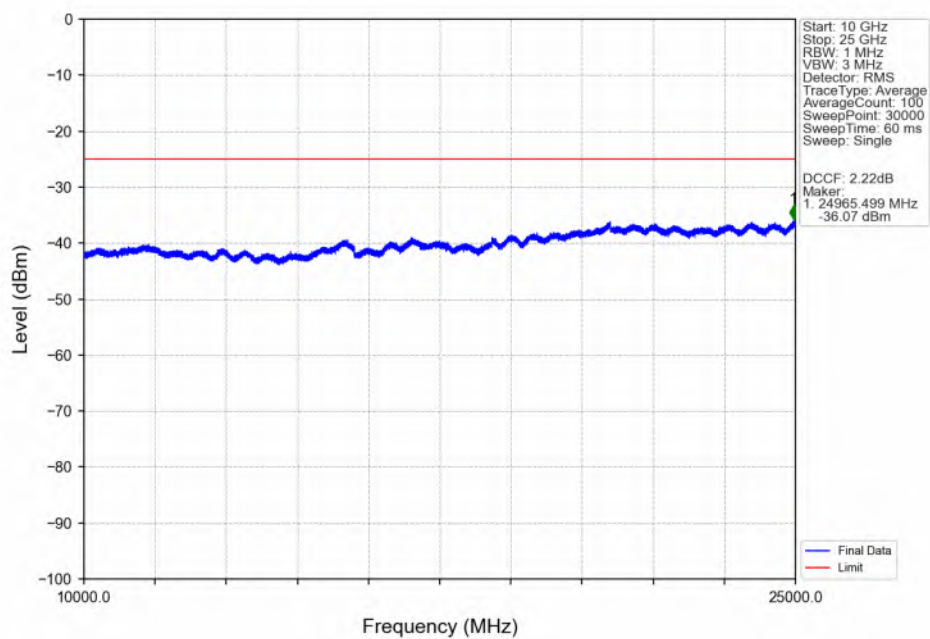


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.500	-38.71	-25	Pass
2490.5	2496	1	CHP	2	2494.750	-39.08	-13	Pass
2496	2564	1	CHP	3	2564.000	-33.74	-25	Pass
2564	2565	1	CHP	4	2564.550	-33.36	-13	Pass
2565	2569	1	CHP	5	2568.500	-27.27	-10	Pass
2569	2570	0.104	CHP	6	2569.950	-25.10	-10	Pass
2570	2575	0.104	CHP	/	/	/	/	/

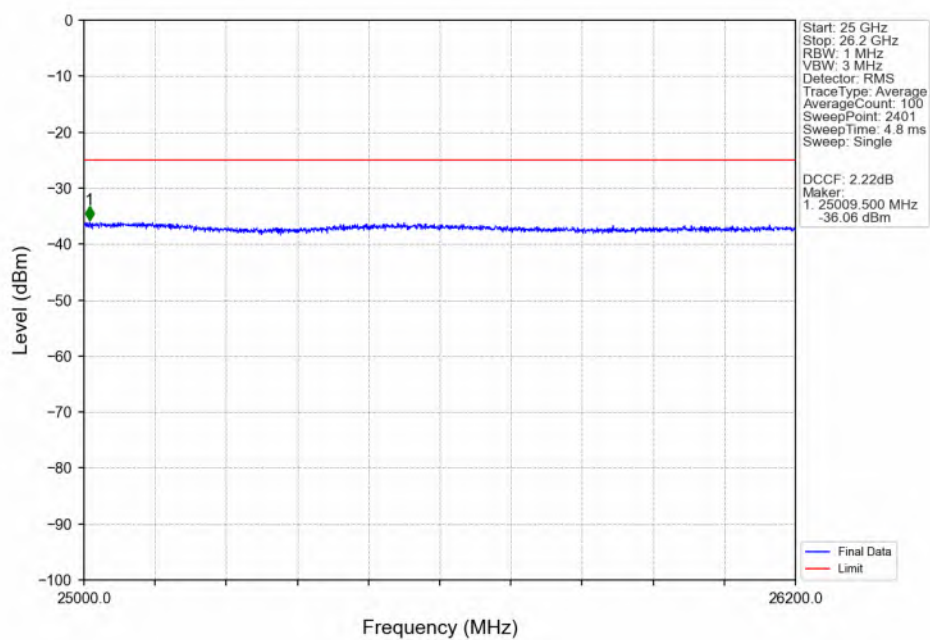
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



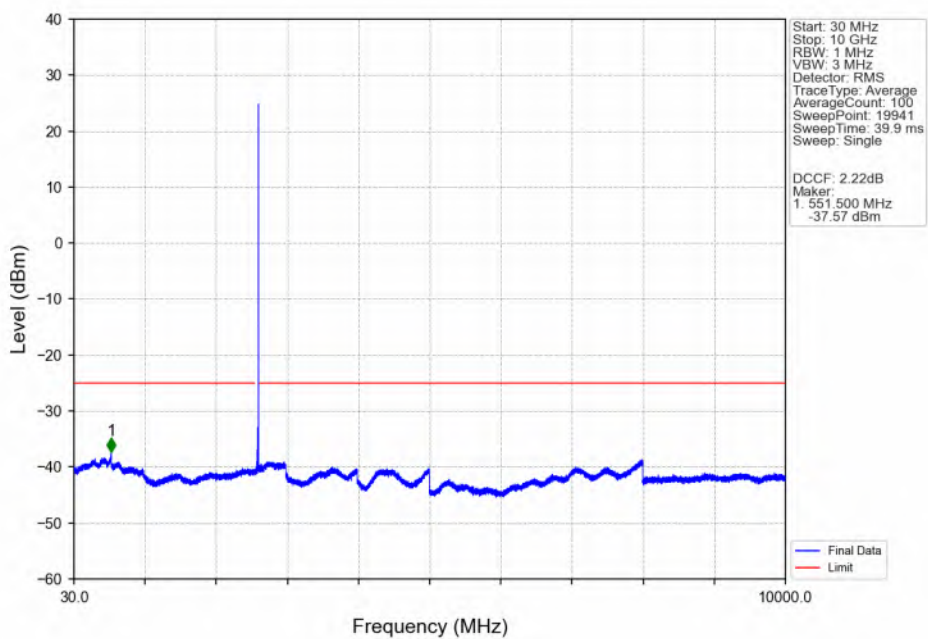
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



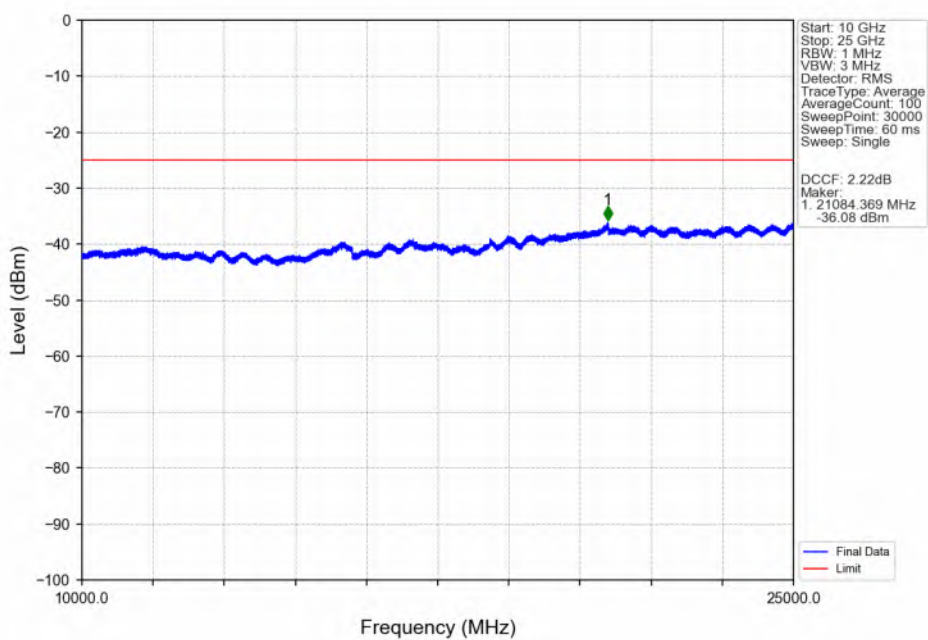
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



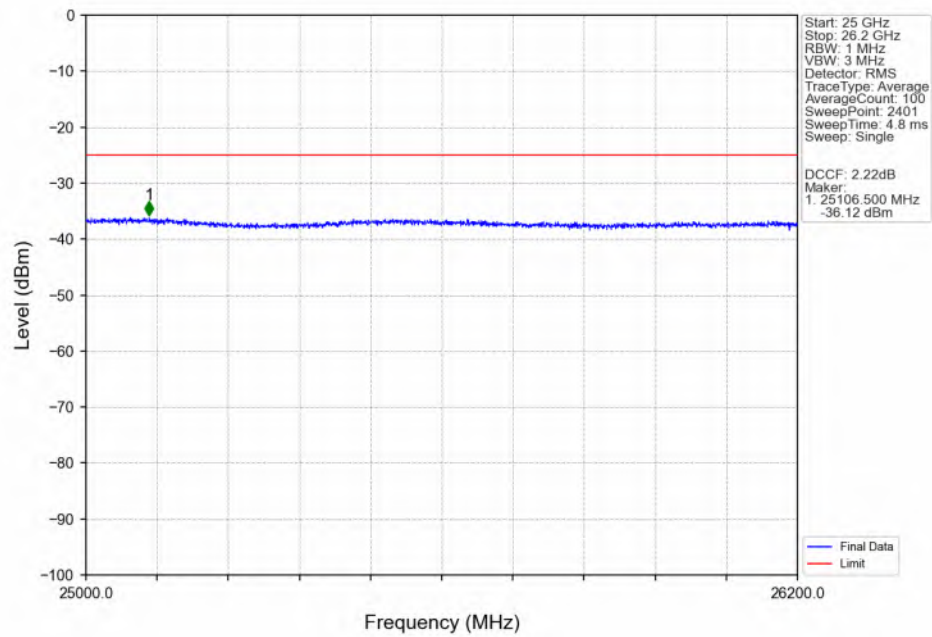
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



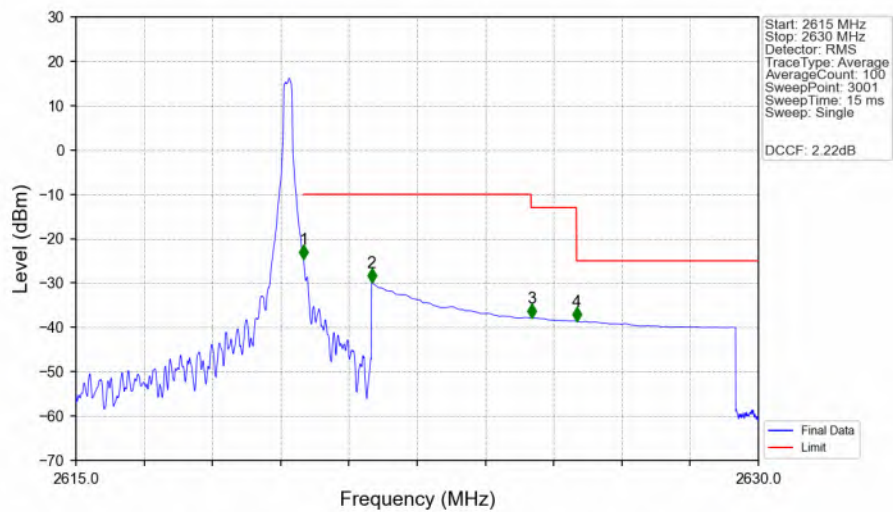
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



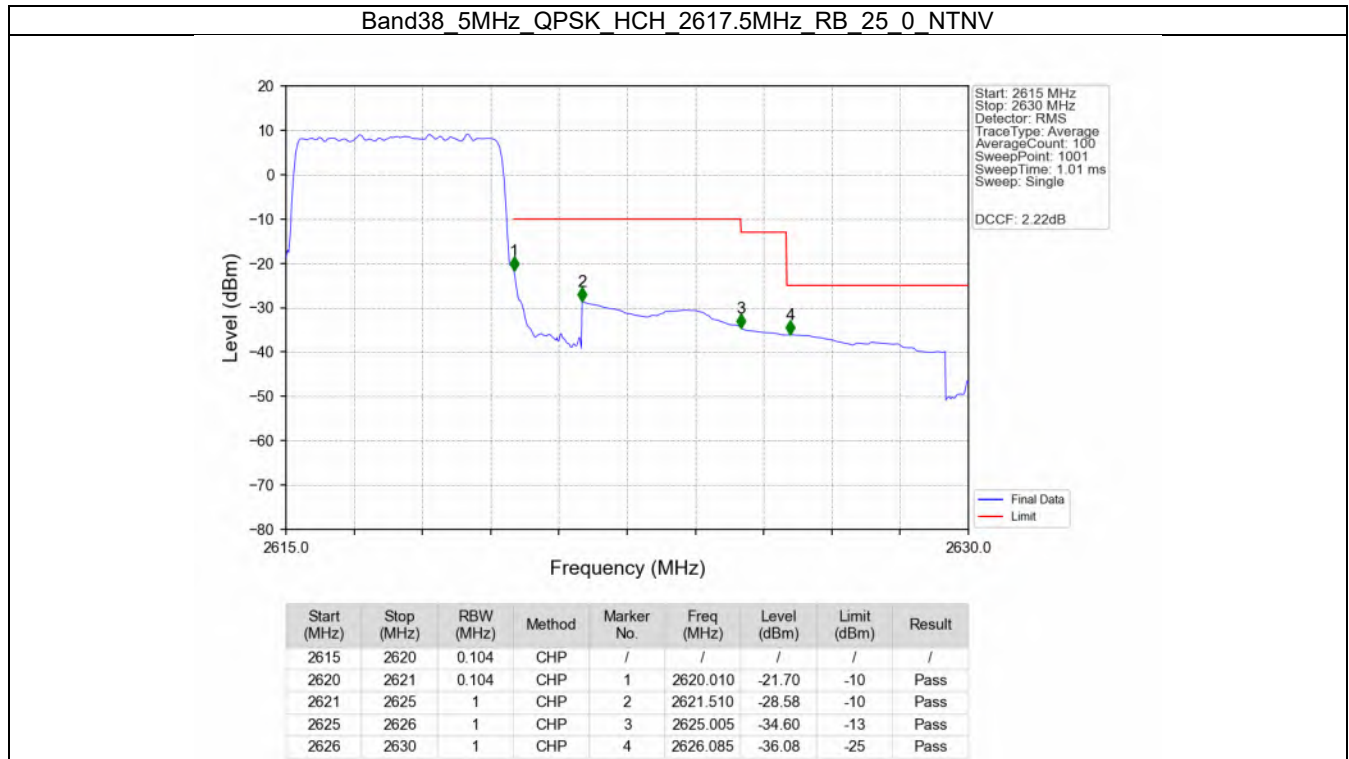
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV

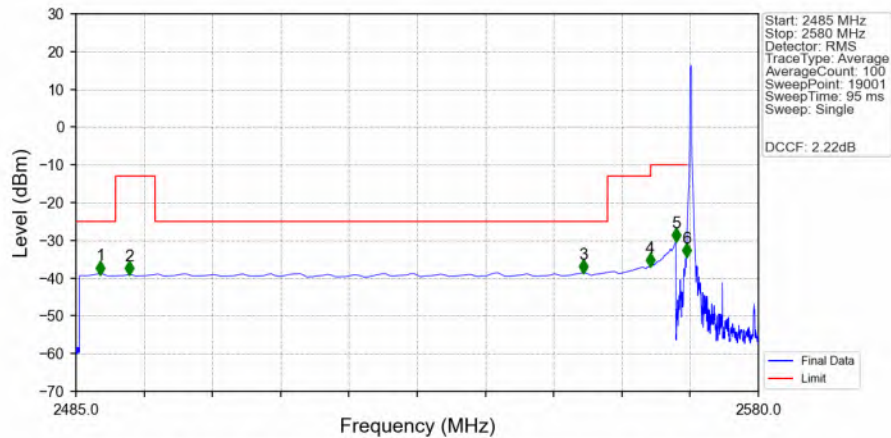


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-24.65	-10	Pass
2621	2625	1	CHP	2	2621.500	-29.89	-10	Pass
2625	2626	1	CHP	3	2625.010	-37.85	-13	Pass
2626	2630	1	CHP	4	2626.005	-38.66	-25	Pass



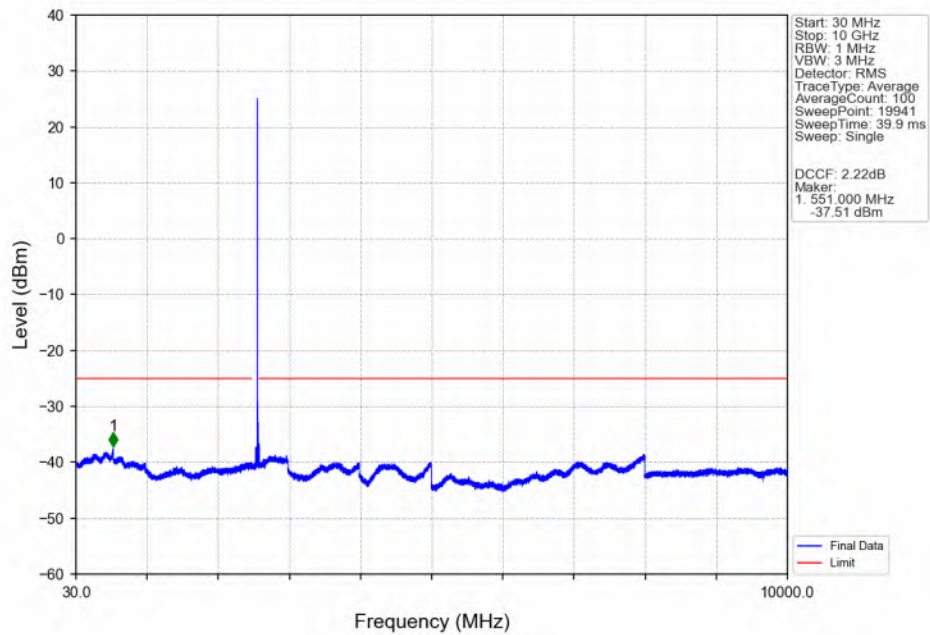
5.2.2 B38_10MHz

Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

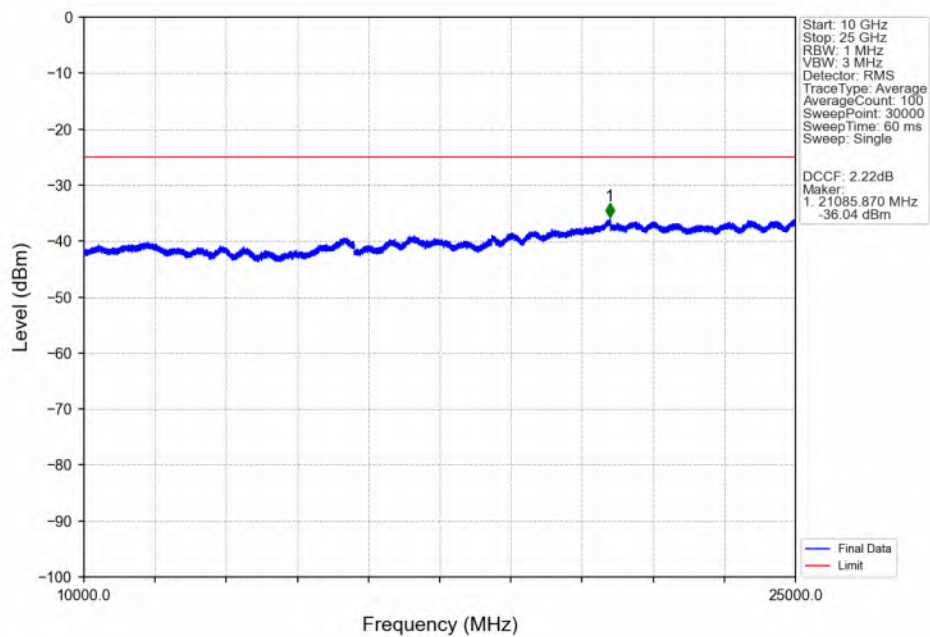


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.420	-38.79	-25	Pass
2490.5	2496	1	CHP	2	2492.390	-38.98	-13	Pass
2496	2558.999	1	CHP	3	2555.590	-38.50	-25	Pass
2558.999	2565	1	CHP	4	2564.930	-36.80	-13	Pass
2565	2569	1	CHP	5	2568.500	-30.10	-10	Pass
2569	2570	0.02	CHP	6	2569.975	-34.20	-10	Pass
2570	2580	0.02	CHP	/	/	/	/	/

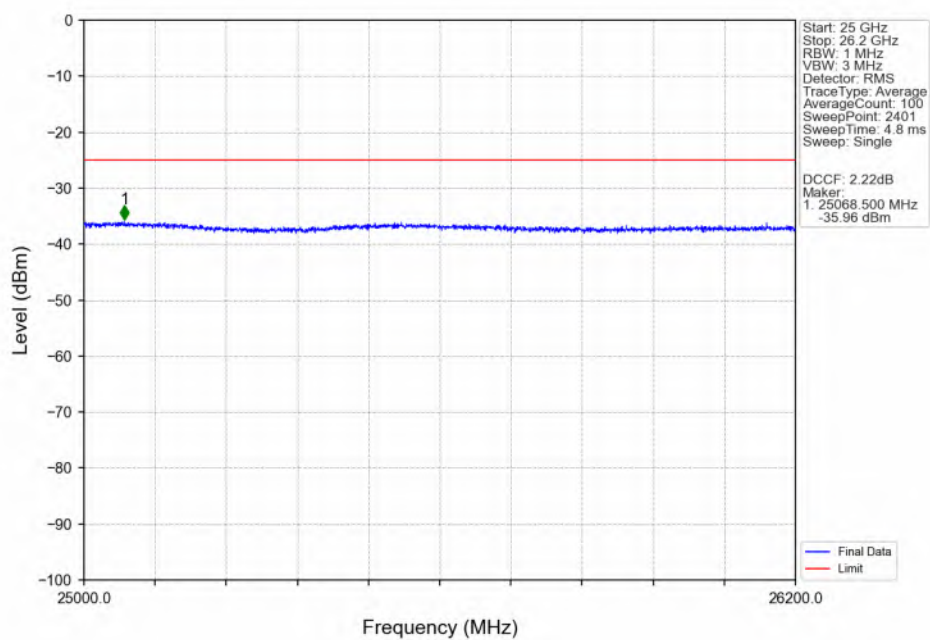
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



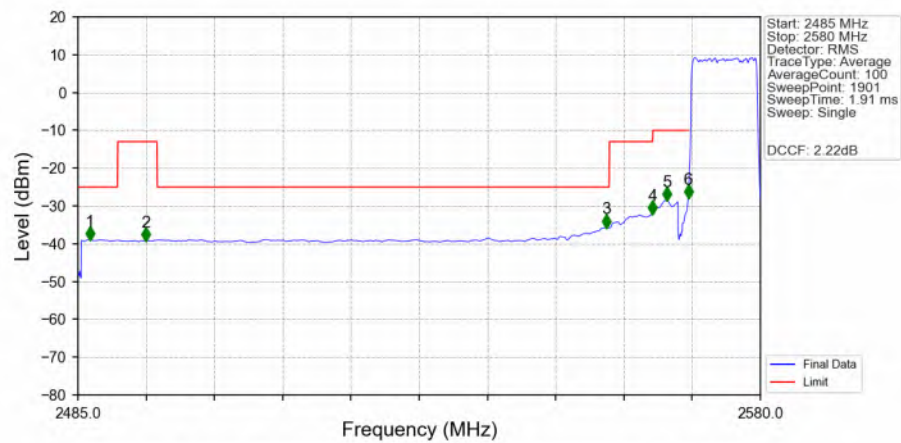
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

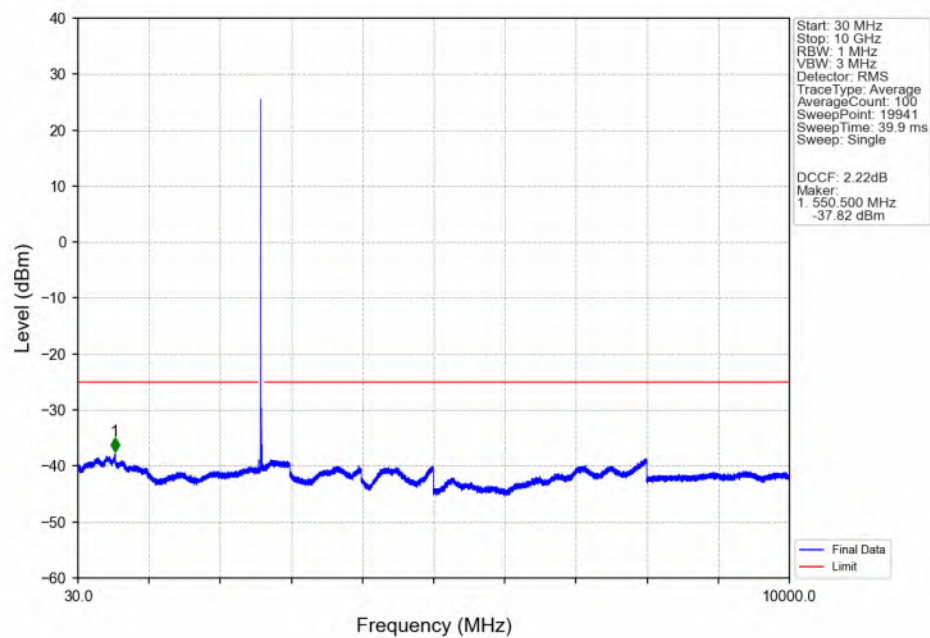


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

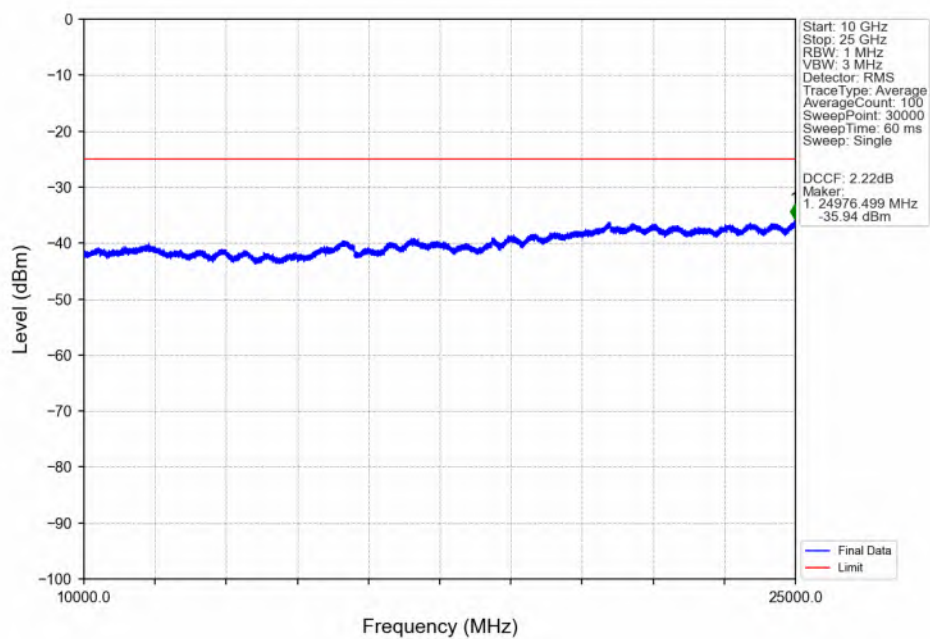


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.650	-38.88	-25	Pass
2490.5	2496	1	CHP	2	2494.450	-39.05	-13	Pass
2496	2558.999	1	CHP	3	2558.550	-35.58	-25	Pass
2558.999	2565	1	CHP	4	2565.000	-31.99	-13	Pass
2565	2569	1	CHP	5	2567.000	-28.47	-10	Pass
2569	2570	0.22	CHP	6	2569.950	-27.77	-10	Pass
2570	2580	0.22	CHP	/	/	/	/	/

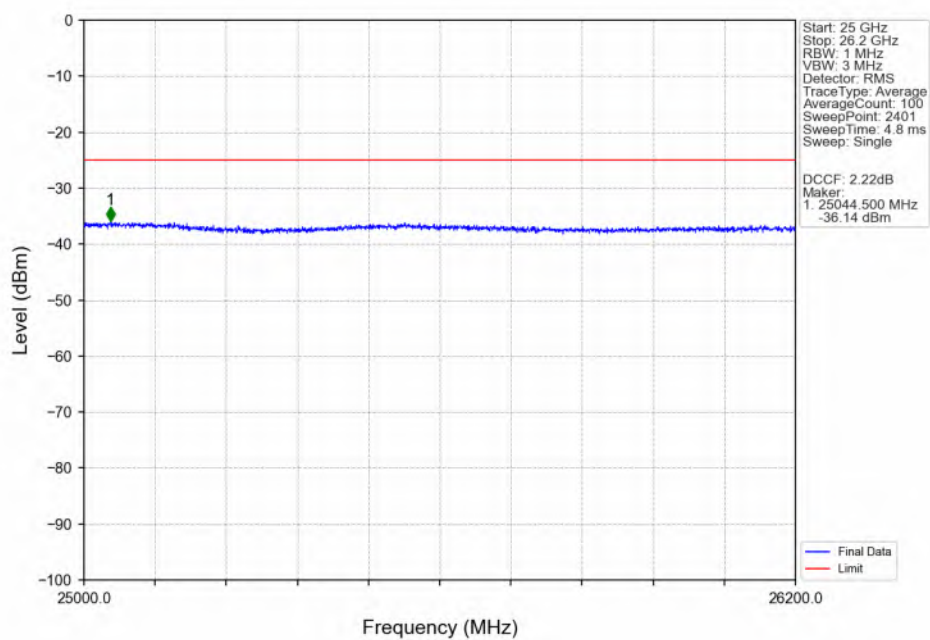
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



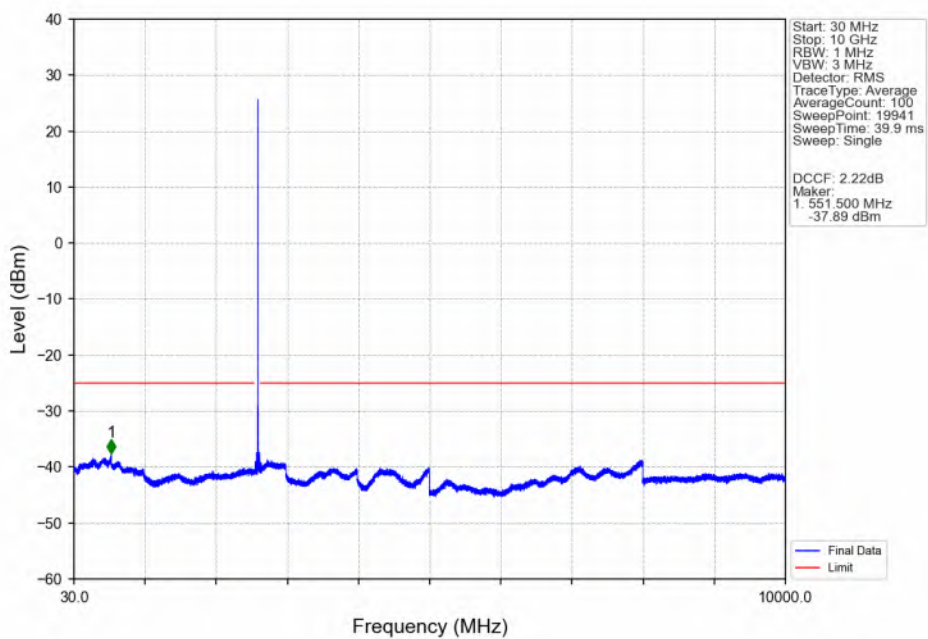
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



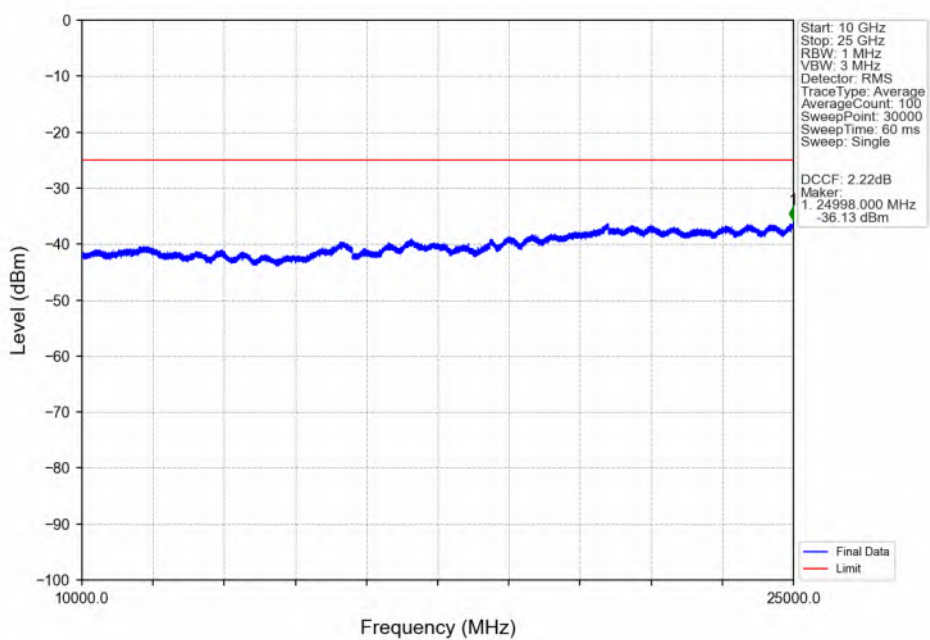
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



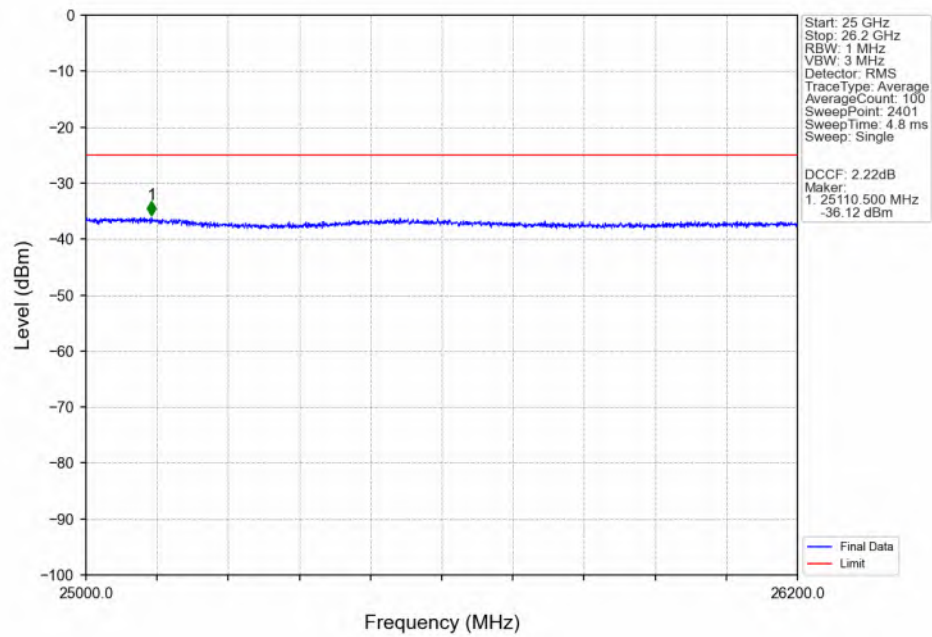
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



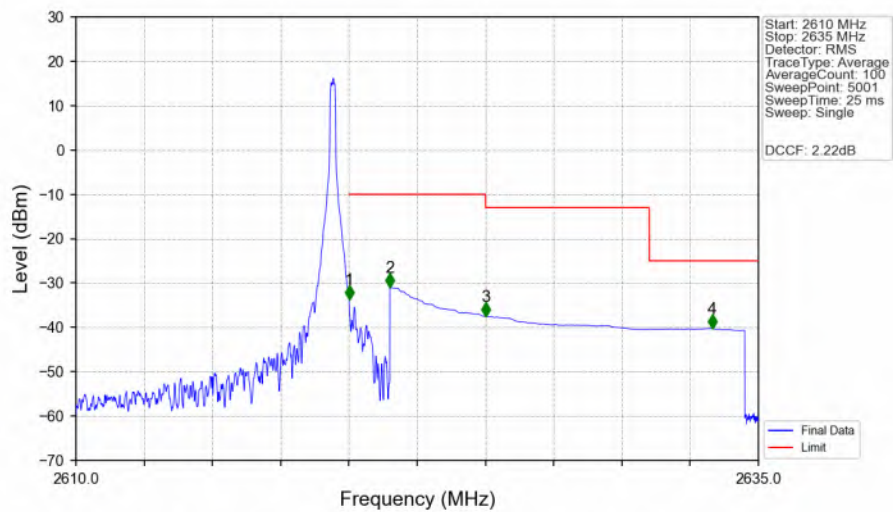
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV

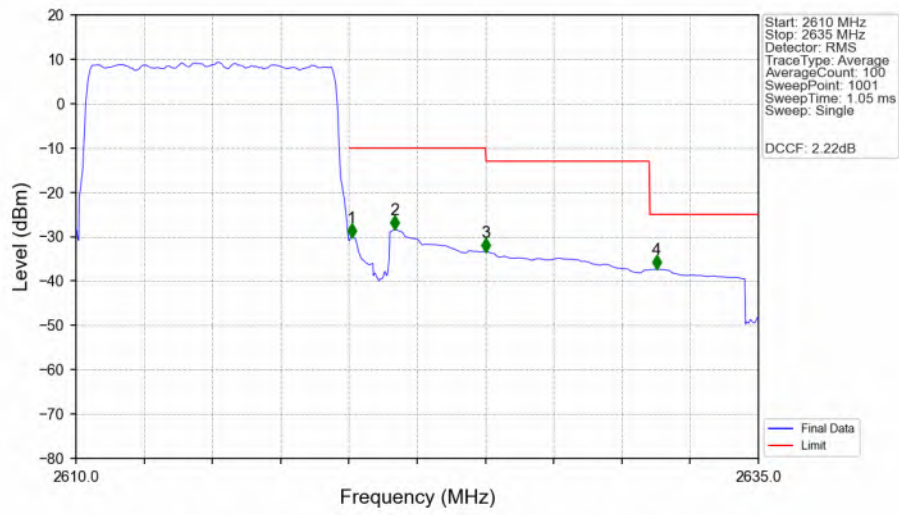


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



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	-33.63	-10	Pass
2621	2625	1	CHP	2	2621.500	-30.92	-10	Pass
2625	2631.001	1	CHP	3	2625.005	-37.48	-13	Pass
2631.001	2635	1	CHP	4	2633.305	-40.25	-25	Pass

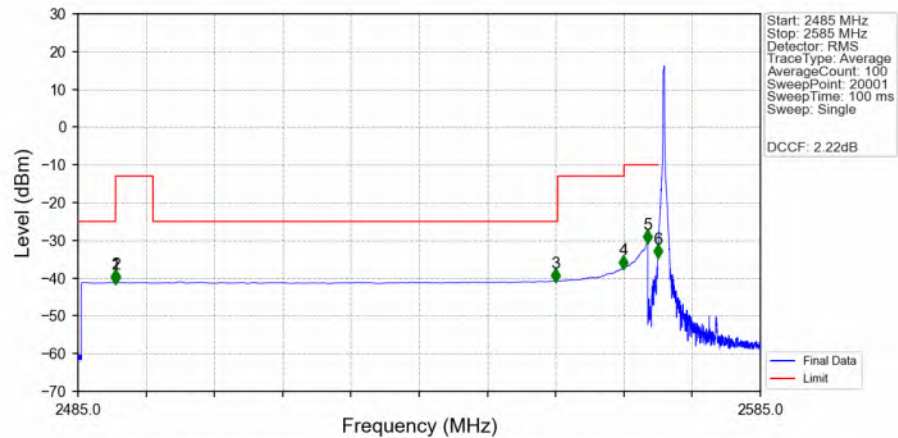
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.22	CHP	/	/	/	/	/
2620	2621	0.22	CHP	1	2620.100	-30.19	-10	Pass
2621	2625	1	CHP	2	2621.675	-28.42	-10	Pass
2625	2631.001	1	CHP	3	2625.025	-33.43	-13	Pass
2631.001	2635	1	CHP	4	2631.275	-37.39	-25	Pass

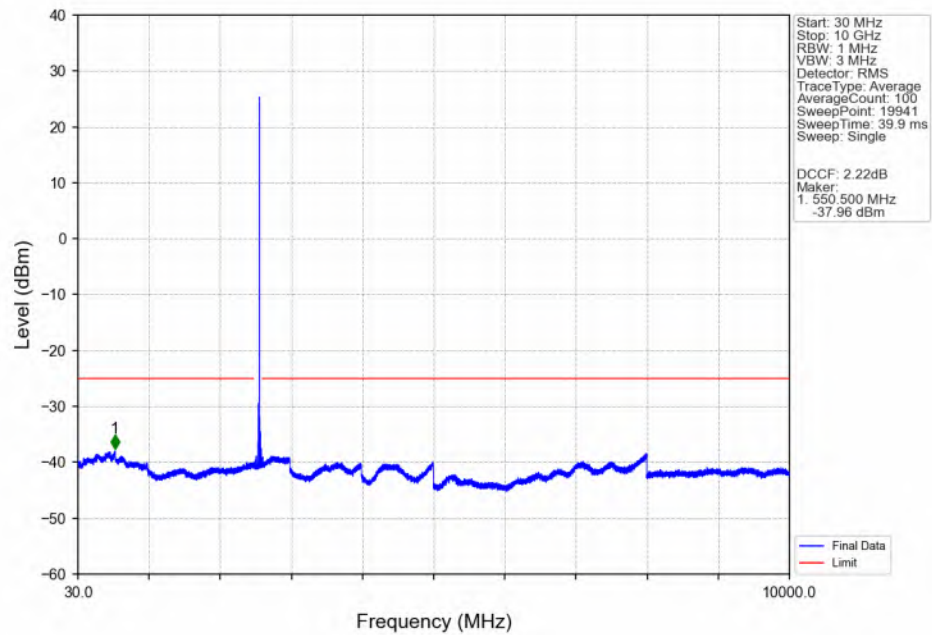
5.2.3 B38_15MHz

Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

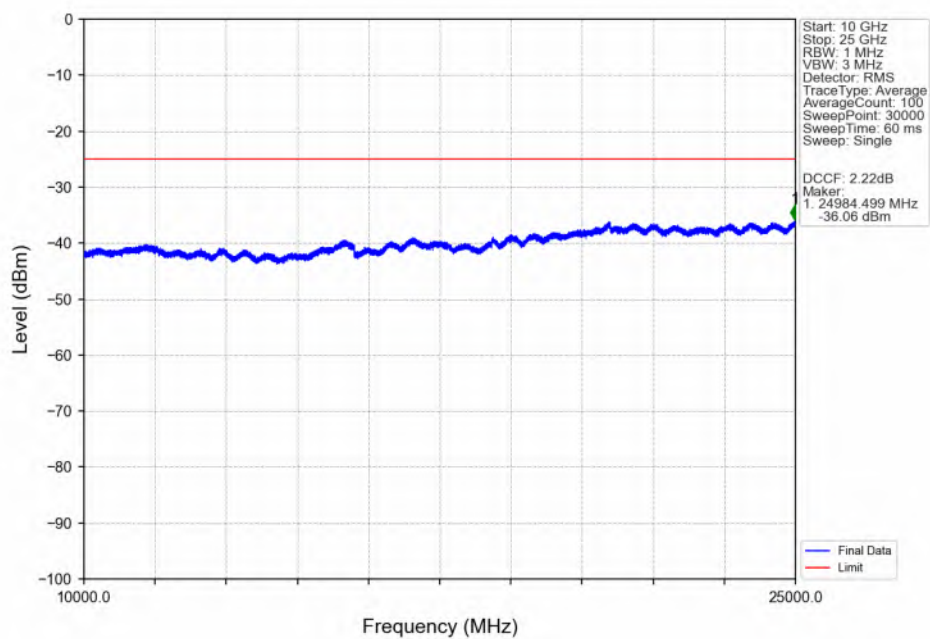


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.445	-41.18	-25	Pass
2490.5	2496	1	CHP	2	2490.530	-41.19	-13	Pass
2496	2555.27	1	CHP	3	2554.920	-40.81	-25	Pass
2555.27	2565	1	CHP	4	2564.960	-37.35	-13	Pass
2565	2569	1	CHP	5	2568.460	-30.53	-10	Pass
2569	2570	0.02	CHP	6	2569.965	-34.48	-10	Pass
2570	2585	0.02	CHP	/	/	/	/	/

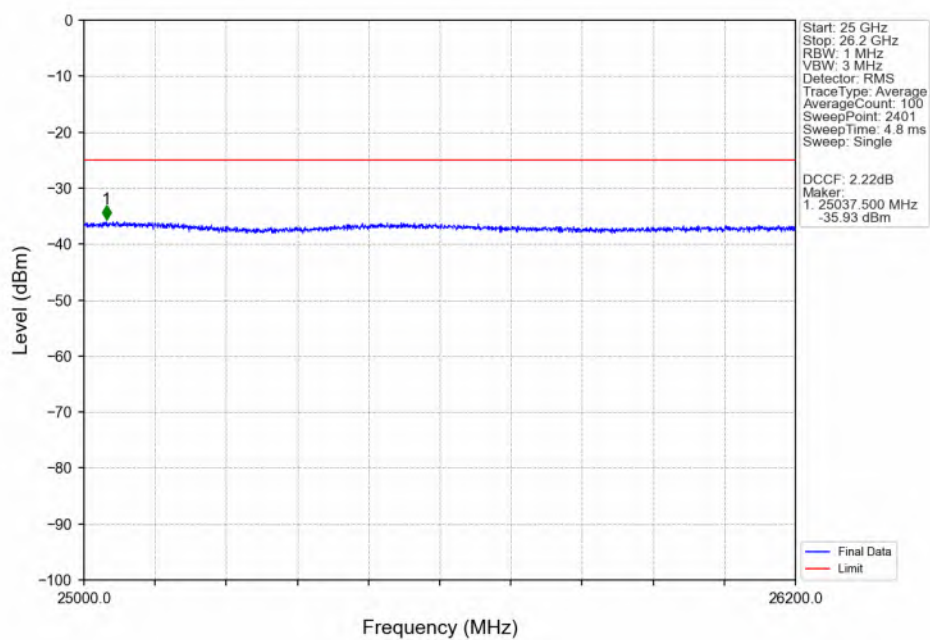
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



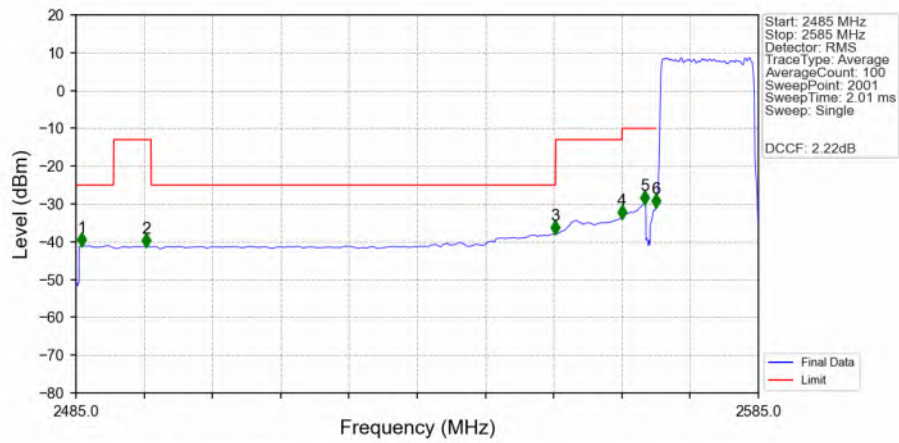
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

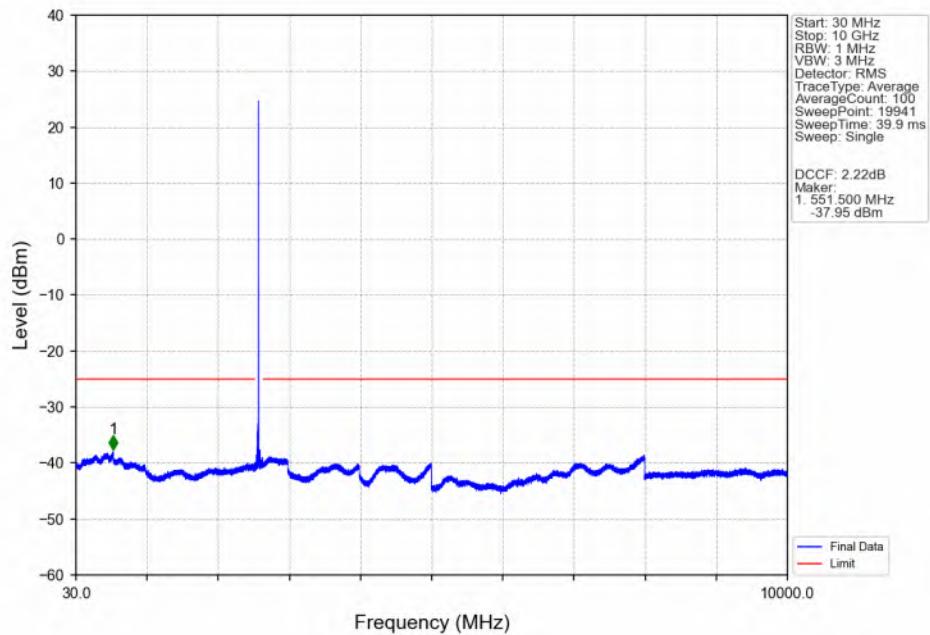


Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

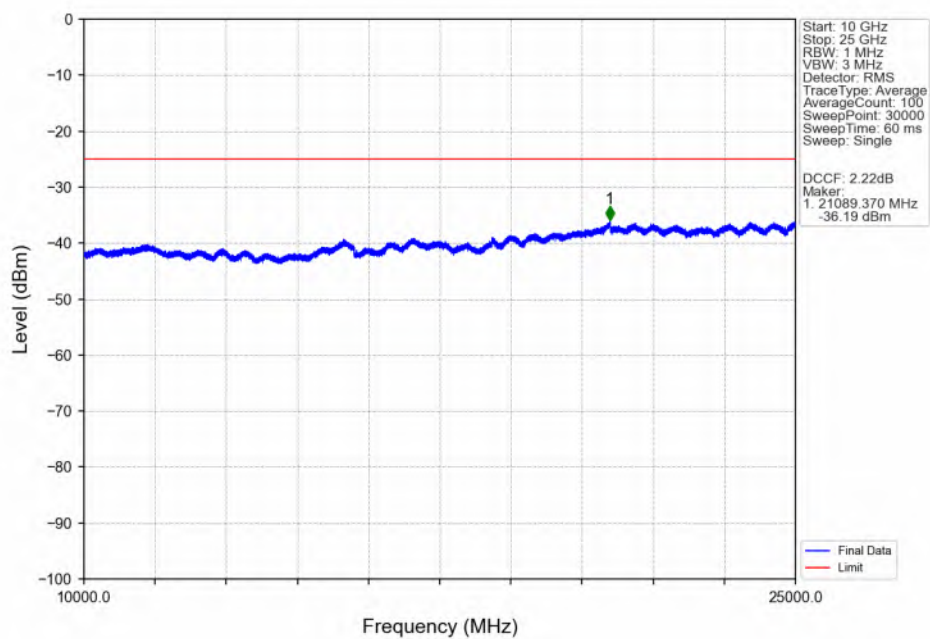


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.850	-41.04	-25	Pass
2490.5	2496	1	CHP	2	2495.250	-41.16	-13	Pass
2496	2555.27	1	CHP	3	2555.250	-37.88	-25	Pass
2555.27	2565	1	CHP	4	2565.000	-33.76	-13	Pass
2565	2569	1	CHP	5	2568.300	-29.91	-10	Pass
2569	2570	0.295	CHP	6	2569.950	-30.70	-10	Pass
2570	2585	0.295	CHP	/	/	/	/	/

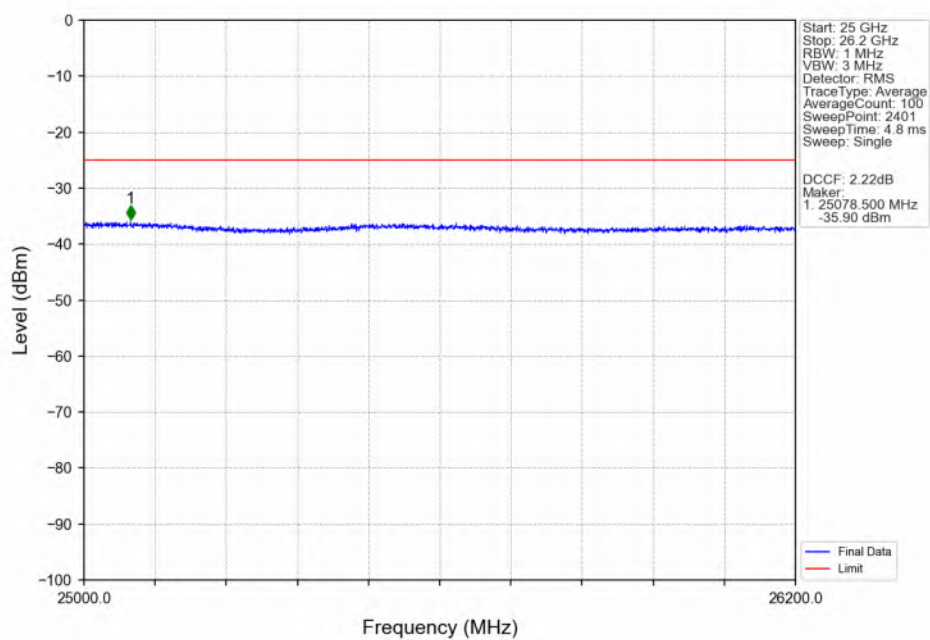
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



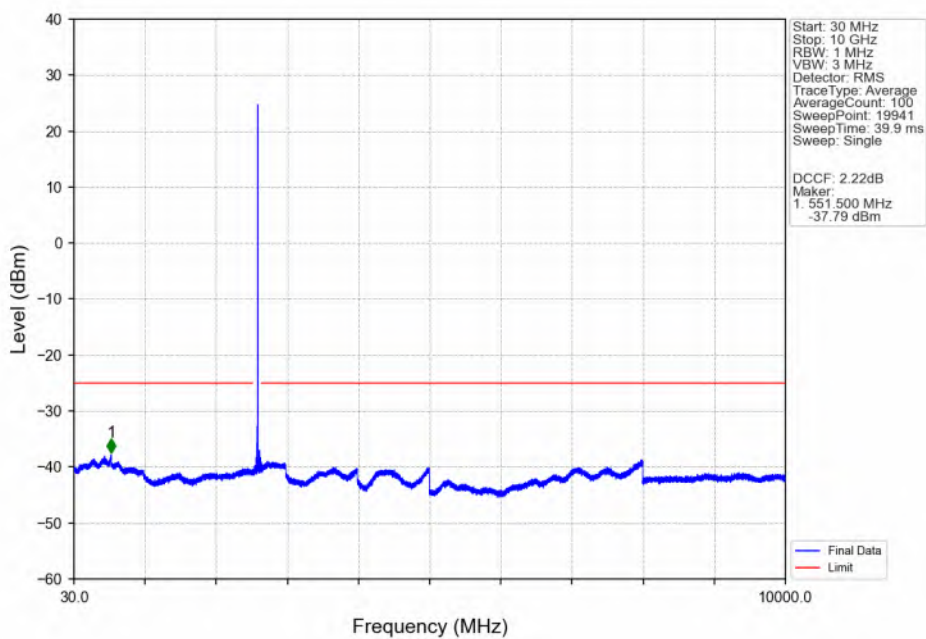
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



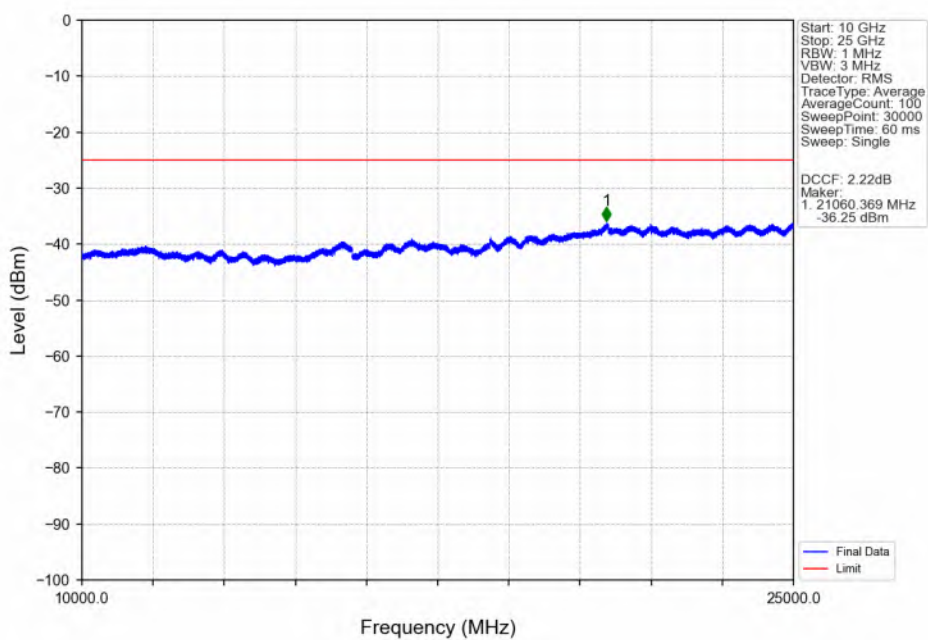
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



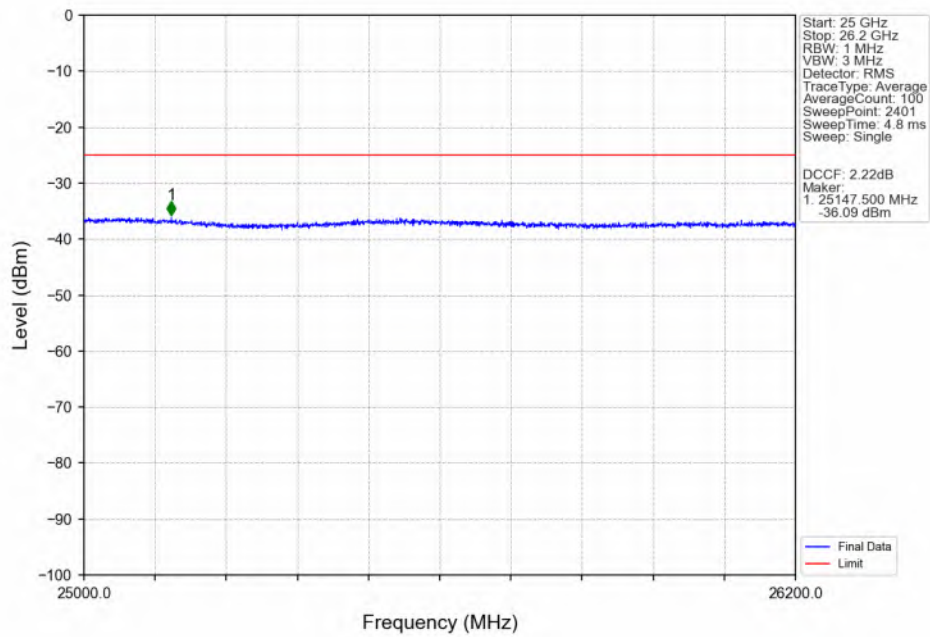
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



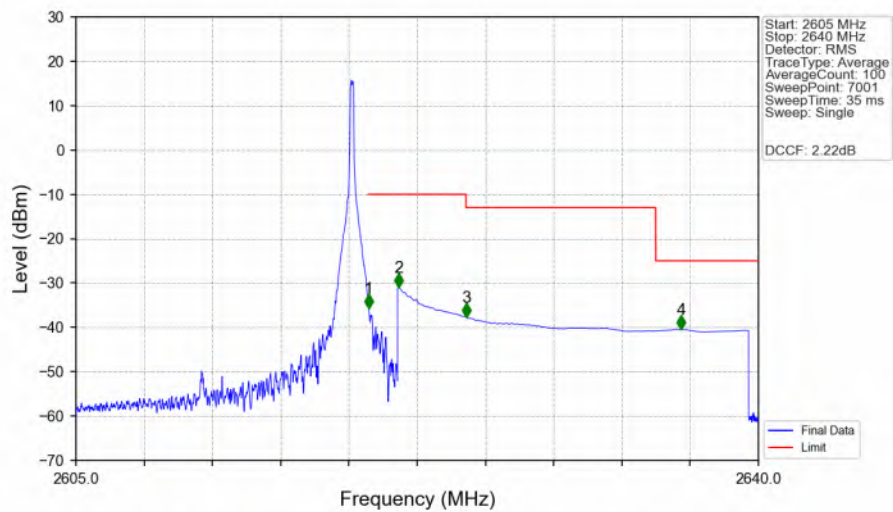
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV

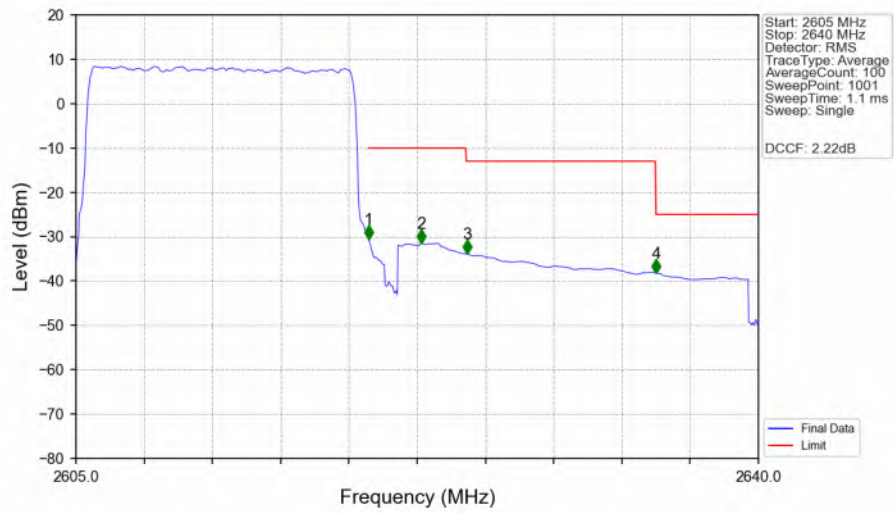


Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV



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	-35.64	-10	Pass
2621	2625	1	CHP	2	2621.555	-30.99	-10	Pass
2625	2634.73	1	CHP	3	2625.005	-37.68	-13	Pass
2634.73	2640	1	CHP	4	2636.035	-40.50	-25	Pass

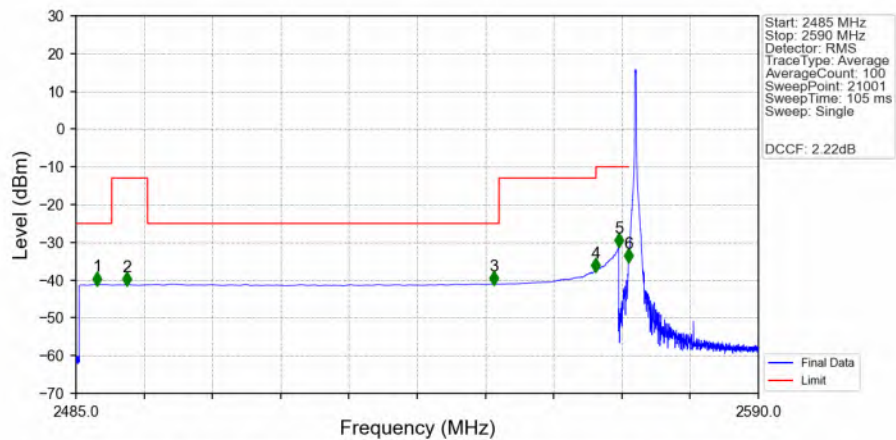
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.295	CHP	/	/	/	/	/
2620	2621	0.295	CHP	1	2620.015	-30.65	-10	Pass
2621	2625	1	CHP	2	2622.710	-31.48	-10	Pass
2625	2634.73	1	CHP	3	2625.055	-33.87	-13	Pass
2634.73	2640	1	CHP	4	2634.750	-38.18	-25	Pass

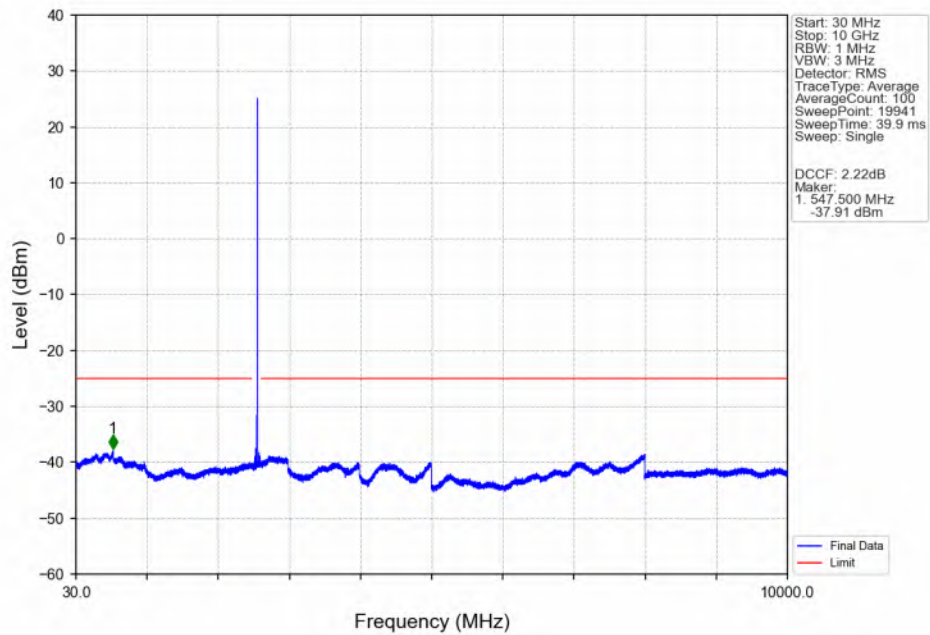
5.2.4 B38_20MHz

Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

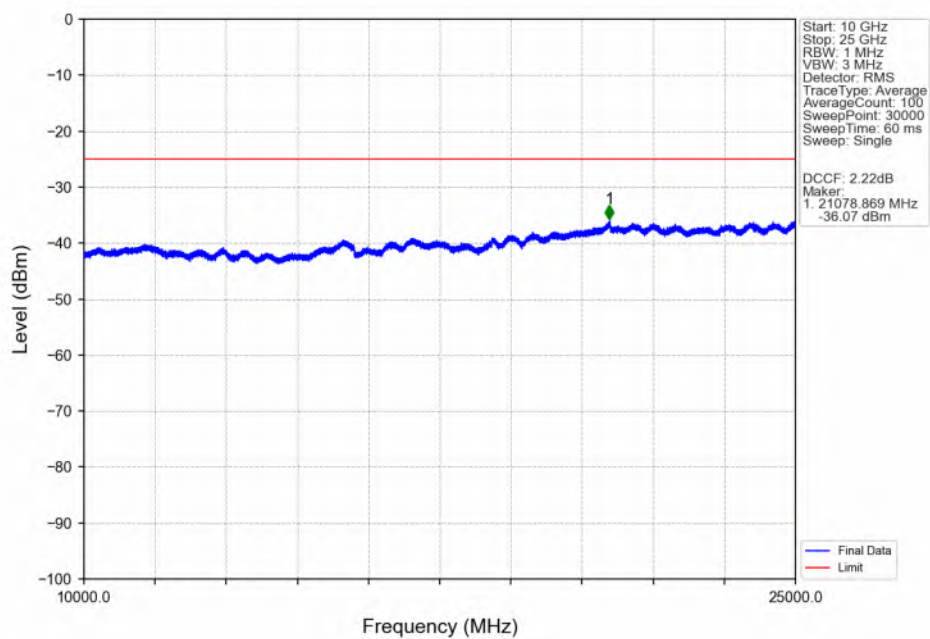


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.255	-41.19	-25	Pass
2490.5	2496	1	CHP	2	2492.830	-41.21	-13	Pass
2496	2550.078	1	CHP	3	2549.240	-41.01	-25	Pass
2550.078	2565	1	CHP	4	2564.955	-37.59	-13	Pass
2565	2569	1	CHP	5	2568.495	-30.96	-10	Pass
2569	2570	0.02	CHP	6	2569.995	-35.08	-10	Pass
2570	2590	0.02	CHP	/	/	/	/	/

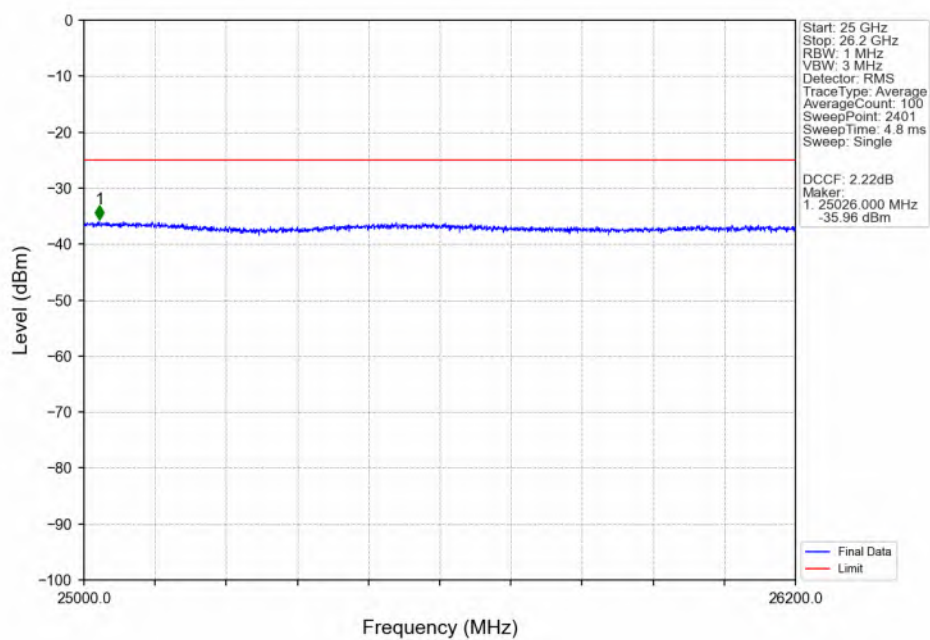
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



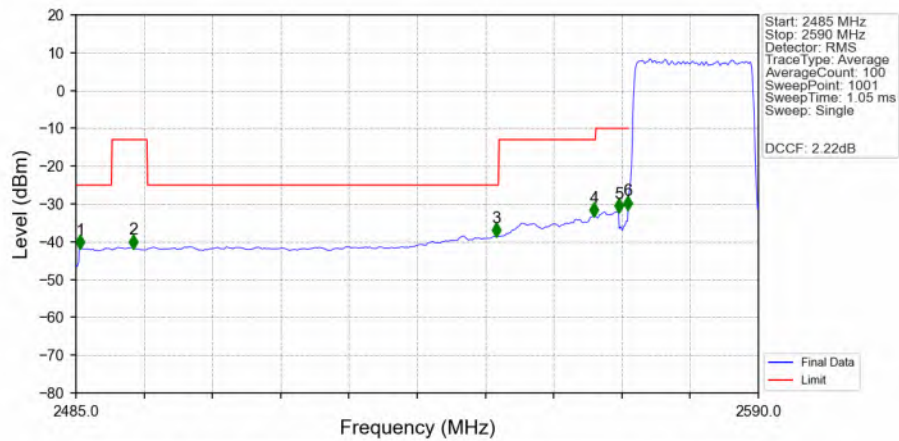
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

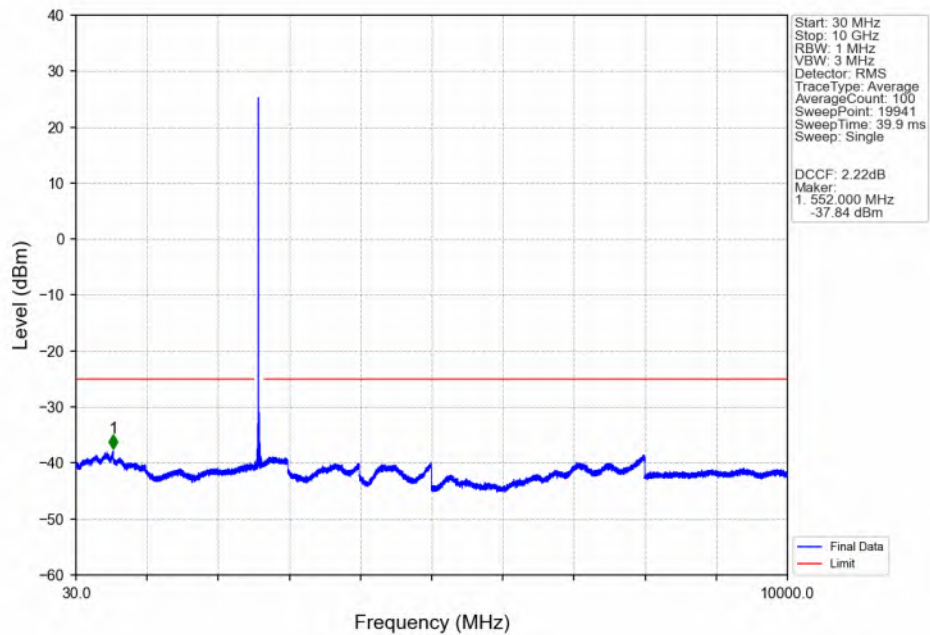


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

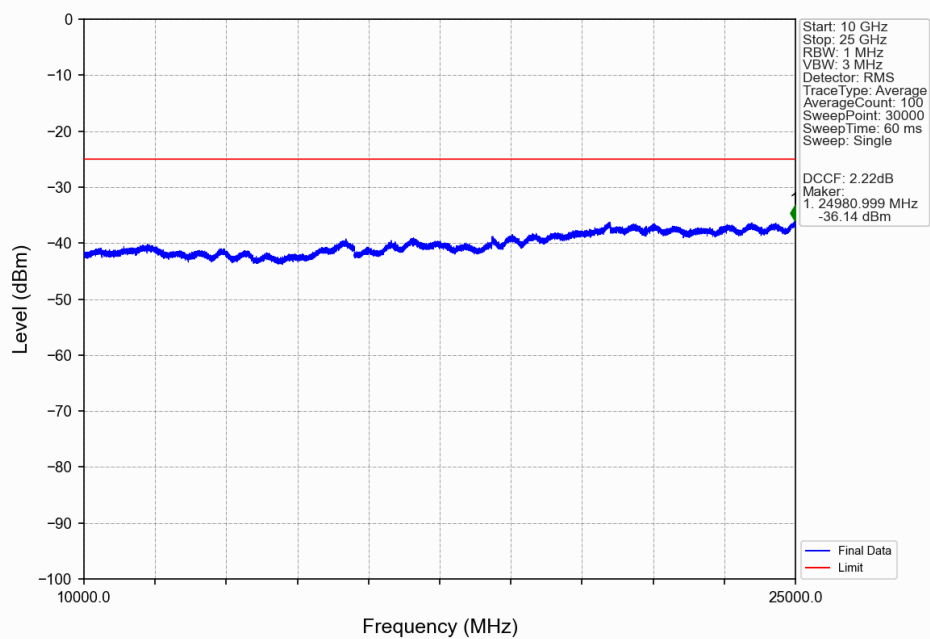


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.630	-41.62	-25	Pass
2490.5	2496	1	CHP	2	2493.820	-41.53	-13	Pass
2496	2550.078	1	CHP	3	2549.680	-38.38	-25	Pass
2550.078	2565	1	CHP	4	2564.695	-33.10	-13	Pass
2565	2569	1	CHP	5	2568.475	-32.03	-10	Pass
2569	2570	0.398	CHP	6	2569.945	-31.28	-10	Pass
2570	2590	0.398	CHP	/	/	/	/	/

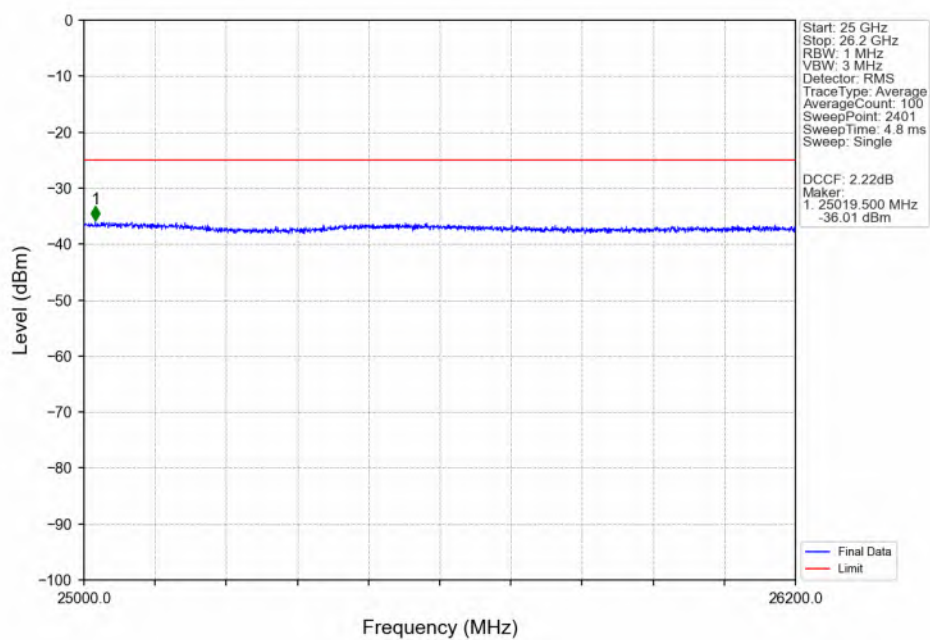
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



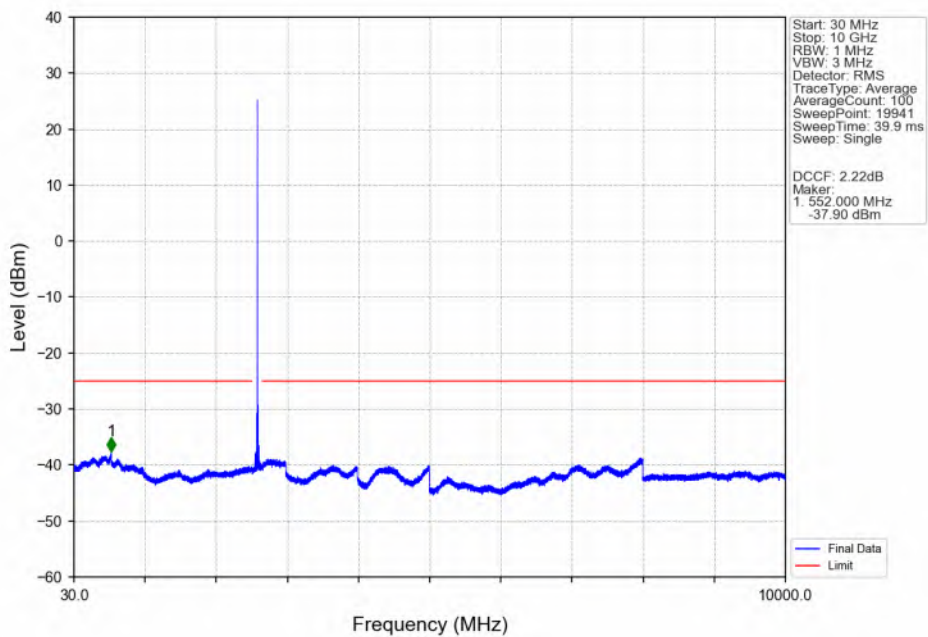
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



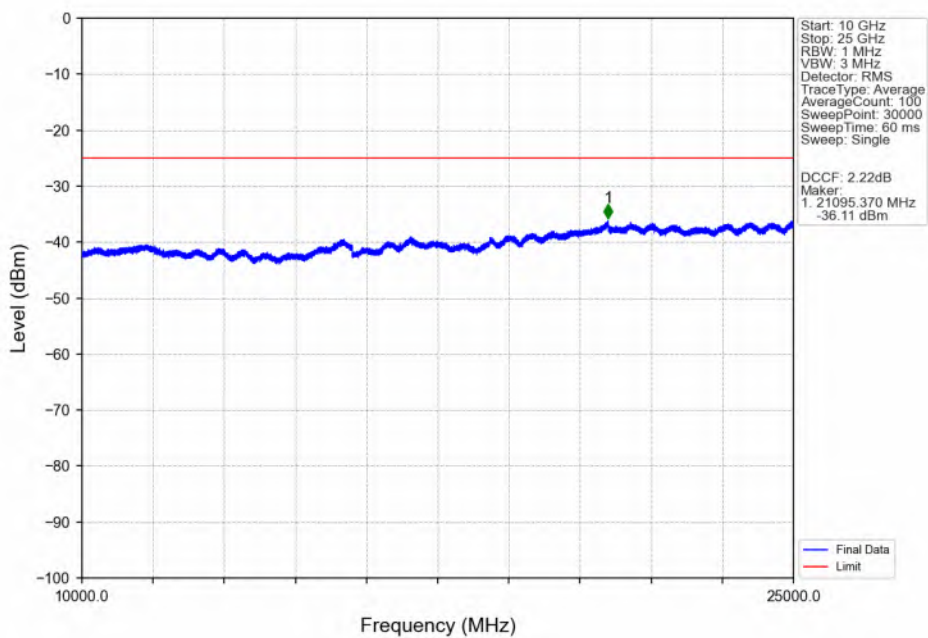
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



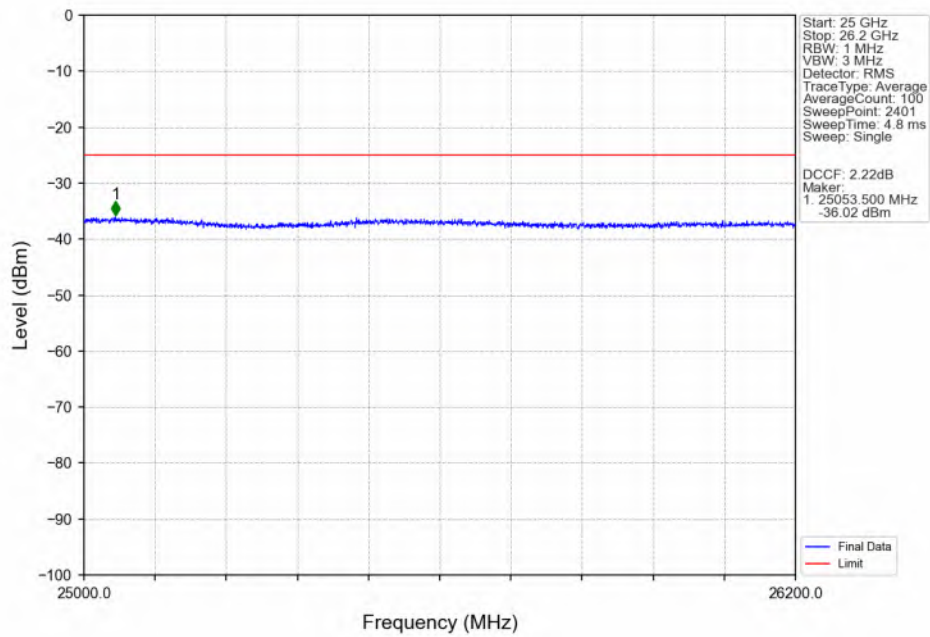
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



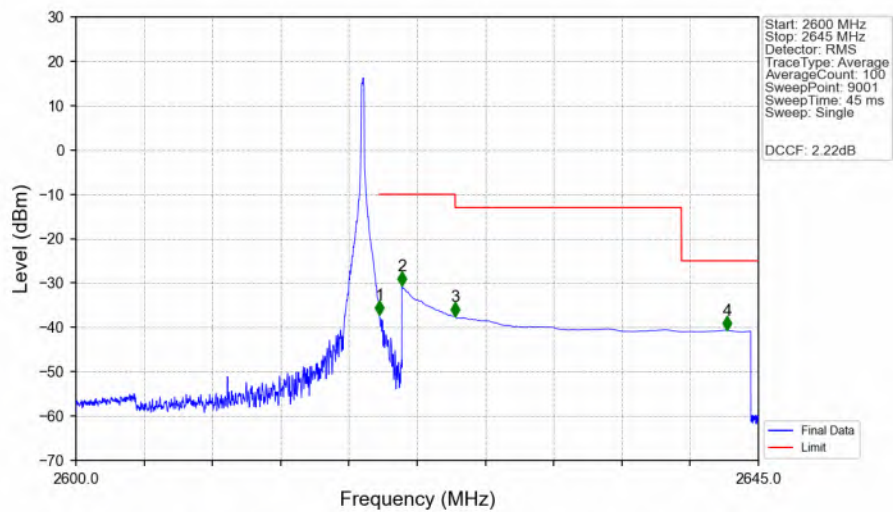
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



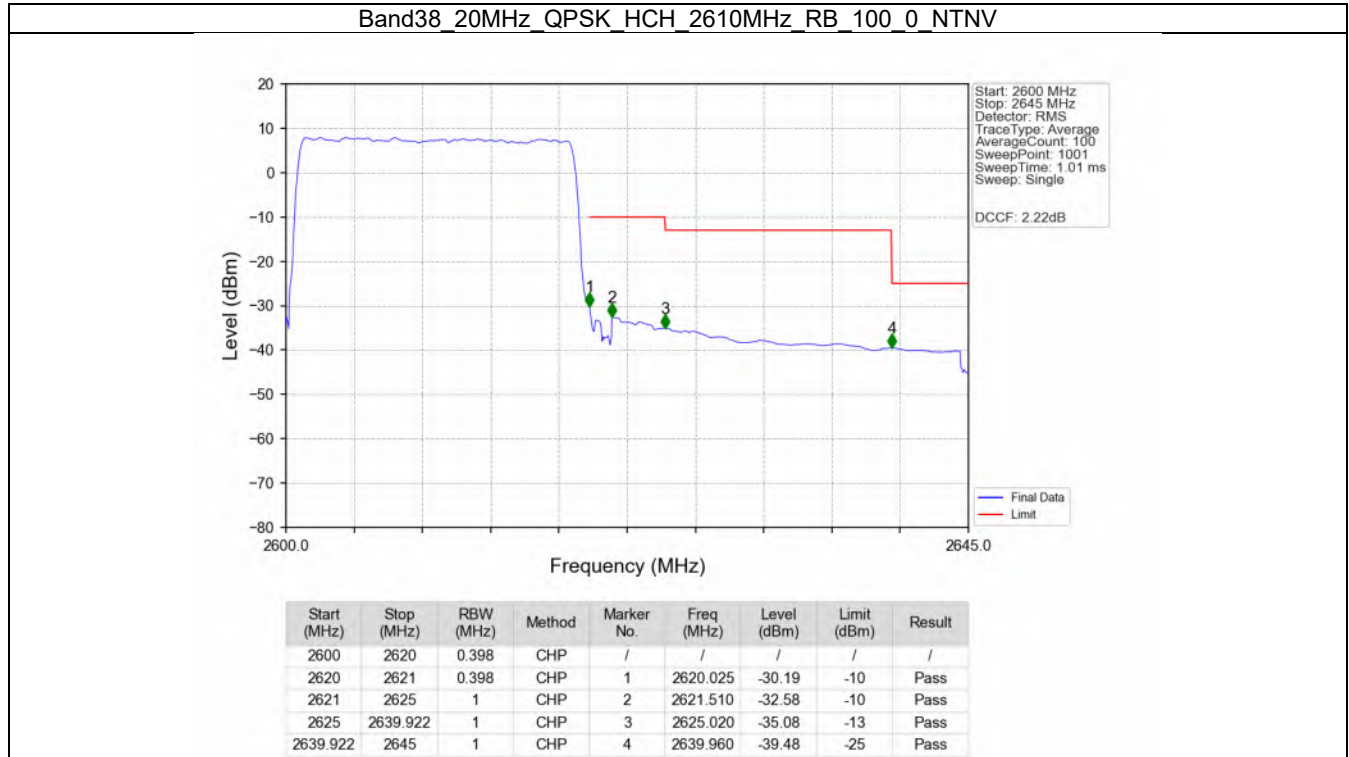
Band38_20MHz_QPSK_HCH_2610MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_HCH_2610MHz_RB_1_99_NTNV



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	-37.12	-10	Pass
2621	2625	1	CHP	2	2621.500	-30.62	-10	Pass
2625	2639.922	1	CHP	3	2625.005	-37.55	-13	Pass
2639.922	2645	1	CHP	4	2642.930	-40.62	-25	Pass



- End of the Appendix -