

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	23.48	-0.79	22.69	<=33.01	Pass
			13	23.48	-0.79	22.69	<=33.01	Pass
			24	22.97	-0.79	22.18	<=33.01	Pass
		12	0	22.44	-0.79	21.65	<=33.01	Pass
			6	22.47	-0.79	21.68	<=33.01	Pass
			13	22.19	-0.79	21.40	<=33.01	Pass
		25	0	22.20	-0.79	21.41	<=33.01	Pass
	2595	1	0	23.34	-0.79	22.55	<=33.01	Pass
			13	23.80	-0.79	23.01	<=33.01	Pass
			24	23.30	-0.79	22.51	<=33.01	Pass
		12	0	22.56	-0.79	21.77	<=33.01	Pass
			6	22.61	-0.79	21.82	<=33.01	Pass
			13	22.64	-0.79	21.85	<=33.01	Pass
		25	0	22.56	-0.79	21.77	<=33.01	Pass
	2617.5	1	0	23.10	-0.79	22.31	<=33.01	Pass
			13	23.51	-0.79	22.72	<=33.01	Pass
			24	22.91	-0.79	22.12	<=33.01	Pass
		12	0	22.37	-0.79	21.58	<=33.01	Pass
			6	22.42	-0.79	21.63	<=33.01	Pass
			13	22.26	-0.79	21.47	<=33.01	Pass
		25	0	22.27	-0.79	21.48	<=33.01	Pass
16QAM	2572.5	1	0	22.38	-0.79	21.59	<=33.01	Pass
			13	22.46	-0.79	21.67	<=33.01	Pass
			24	21.98	-0.79	21.19	<=33.01	Pass
		12	0	21.35	-0.79	20.56	<=33.01	Pass
			6	21.38	-0.79	20.59	<=33.01	Pass
			13	21.10	-0.79	20.31	<=33.01	Pass
		25	0	21.17	-0.79	20.38	<=33.01	Pass
	2595	1	0	21.96	-0.79	21.17	<=33.01	Pass
			13	22.88	-0.79	22.09	<=33.01	Pass
			24	22.05	-0.79	21.26	<=33.01	Pass
		12	0	21.51	-0.79	20.72	<=33.01	Pass
			6	21.56	-0.79	20.77	<=33.01	Pass
			13	21.59	-0.79	20.80	<=33.01	Pass
		25	0	21.56	-0.79	20.77	<=33.01	Pass
	2617.5	1	0	21.91	-0.79	21.12	<=33.01	Pass
			13	22.45	-0.79	21.66	<=33.01	Pass
			24	22.04	-0.79	21.25	<=33.01	Pass
		12	0	21.33	-0.79	20.54	<=33.01	Pass
			6	21.38	-0.79	20.59	<=33.01	Pass
			13	21.21	-0.79	20.42	<=33.01	Pass
		25	0	21.29	-0.79	20.50	<=33.01	Pass
64QAM	2572.5	1	0	22.12	-0.79	21.33	<=33.01	Pass
			13	21.17	-0.79	20.38	<=33.01	Pass
			24	20.62	-0.79	19.83	<=33.01	Pass
		12	0	21.34	-0.79	20.55	<=33.01	Pass
			6	21.38	-0.79	20.59	<=33.01	Pass
			13	21.10	-0.79	20.31	<=33.01	Pass
		25	0	21.11	-0.79	20.32	<=33.01	Pass

	2595	1	0	21.82	-0.79	21.03	<=33.01	Pass
			13	22.21	-0.79	21.42	<=33.01	Pass
			24	21.95	-0.79	21.16	<=33.01	Pass
		12	0	21.52	-0.79	20.73	<=33.01	Pass
			6	21.58	-0.79	20.79	<=33.01	Pass
			13	21.61	-0.79	20.82	<=33.01	Pass
		25	0	21.51	-0.79	20.72	<=33.01	Pass
	2617.5	1	0	21.18	-0.79	20.39	<=33.01	Pass
			13	22.34	-0.79	21.55	<=33.01	Pass
			24	21.35	-0.79	20.56	<=33.01	Pass
		12	0	21.35	-0.79	20.56	<=33.01	Pass
			6	21.41	-0.79	20.62	<=33.01	Pass
			13	21.24	-0.79	20.45	<=33.01	Pass
		25	0	21.24	-0.79	20.45	<=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	23.33	-0.79	22.54	<=33.01	Pass
			25	23.20	-0.79	22.41	<=33.01	Pass
			49	22.96	-0.79	22.17	<=33.01	Pass
		25	0	22.13	-0.79	21.34	<=33.01	Pass
			13	22.11	-0.79	21.32	<=33.01	Pass
			25	22.10	-0.79	21.31	<=33.01	Pass
		50	0	22.12	-0.79	21.33	<=33.01	Pass
	2595	1	0	23.28	-0.79	22.49	<=33.01	Pass
			25	23.70	-0.79	22.91	<=33.01	Pass
			49	23.24	-0.79	22.45	<=33.01	Pass
		25	0	22.56	-0.79	21.77	<=33.01	Pass
			13	22.53	-0.79	21.74	<=33.01	Pass
			25	22.62	-0.79	21.83	<=33.01	Pass
		50	0	22.55	-0.79	21.76	<=33.01	Pass
	2615	1	0	23.33	-0.79	22.54	<=33.01	Pass
			25	23.42	-0.79	22.63	<=33.01	Pass
			49	23.00	-0.79	22.21	<=33.01	Pass
		25	0	22.28	-0.79	21.49	<=33.01	Pass
			13	22.25	-0.79	21.46	<=33.01	Pass
			25	22.26	-0.79	21.47	<=33.01	Pass
		50	0	22.28	-0.79	21.49	<=33.01	Pass
16QAM	2575	1	0	22.39	-0.79	21.60	<=33.01	Pass
			25	22.29	-0.79	21.50	<=33.01	Pass
			49	22.05	-0.79	21.26	<=33.01	Pass
		25	0	21.12	-0.79	20.33	<=33.01	Pass
			13	21.10	-0.79	20.31	<=33.01	Pass
			25	21.10	-0.79	20.31	<=33.01	Pass
		50	0	21.15	-0.79	20.36	<=33.01	Pass
	2595	1	0	22.33	-0.79	21.54	<=33.01	Pass
			25	22.80	-0.79	22.01	<=33.01	Pass
			49	22.34	-0.79	21.55	<=33.01	Pass
		25	0	21.56	-0.79	20.77	<=33.01	Pass
			13	21.53	-0.79	20.74	<=33.01	Pass
			25	21.63	-0.79	20.84	<=33.01	Pass
		50	0	21.58	-0.79	20.79	<=33.01	Pass
	2615	1	0	22.17	-0.79	21.38	<=33.01	Pass

64QAM	2575	25	25	22.29	-0.79	21.50	<=33.01	Pass
			49	22.03	-0.79	21.24	<=33.01	Pass
			0	21.28	-0.79	20.49	<=33.01	Pass
		50	13	21.25	-0.79	20.46	<=33.01	Pass
			25	21.28	-0.79	20.49	<=33.01	Pass
			0	21.32	-0.79	20.53	<=33.01	Pass
	2595	1	0	22.08	-0.79	21.29	<=33.01	Pass
			25	21.60	-0.79	20.81	<=33.01	Pass
			49	21.48	-0.79	20.69	<=33.01	Pass
		25	0	21.07	-0.79	20.28	<=33.01	Pass
			13	21.06	-0.79	20.27	<=33.01	Pass
			25	21.05	-0.79	20.26	<=33.01	Pass
		50	0	21.09	-0.79	20.30	<=33.01	Pass
			0	21.77	-0.79	20.98	<=33.01	Pass
			25	22.12	-0.79	21.33	<=33.01	Pass
		25	49	21.81	-0.79	21.02	<=33.01	Pass
			0	21.51	-0.79	20.72	<=33.01	Pass
			13	21.48	-0.79	20.69	<=33.01	Pass
	2615	1	25	21.58	-0.79	20.79	<=33.01	Pass
			0	21.52	-0.79	20.73	<=33.01	Pass
			0	21.99	-0.79	21.20	<=33.01	Pass
		25	25	21.84	-0.79	21.05	<=33.01	Pass
			49	21.62	-0.79	20.83	<=33.01	Pass
			0	21.24	-0.79	20.45	<=33.01	Pass
		50	13	21.21	-0.79	20.42	<=33.01	Pass
			25	21.23	-0.79	20.44	<=33.01	Pass
			0	21.26	-0.79	20.47	<=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	23.22	-0.79	22.43	<=33.01	Pass
			38	23.12	-0.79	22.33	<=33.01	Pass
			74	22.96	-0.79	22.17	<=33.01	Pass
		36	0	22.03	-0.79	21.24	<=33.01	Pass
			18	22.08	-0.79	21.29	<=33.01	Pass
			39	22.11	-0.79	21.32	<=33.01	Pass
		75	0	22.13	-0.79	21.34	<=33.01	Pass
			0	22.93	-0.79	22.14	<=33.01	Pass
			38	23.64	-0.79	22.85	<=33.01	Pass
	2595	1	74	23.16	-0.79	22.37	<=33.01	Pass
			0	22.49	-0.79	21.70	<=33.01	Pass
			18	22.52	-0.79	21.73	<=33.01	Pass
		36	39	22.55	-0.79	21.76	<=33.01	Pass
			0	22.47	-0.79	21.68	<=33.01	Pass
			0	22.93	-0.79	22.14	<=33.01	Pass
			38	23.64	-0.79	22.85	<=33.01	Pass
			74	23.16	-0.79	22.37	<=33.01	Pass
	2612.5	1	0	22.26	-0.79	22.47	<=33.01	Pass
			38	23.26	-0.79	22.47	<=33.01	Pass
			74	22.94	-0.79	22.15	<=33.01	Pass
		36	0	22.51	-0.79	21.72	<=33.01	Pass
			18	22.35	-0.79	21.56	<=33.01	Pass
			39	22.19	-0.79	21.40	<=33.01	Pass
		75	0	22.30	-0.79	21.51	<=33.01	Pass
			0	22.27	-0.79	21.48	<=33.01	Pass
			38	22.21	-0.79	21.42	<=33.01	Pass

		36	74	22.05	-0.79	21.26	<=33.01	Pass	
			0	20.98	-0.79	20.19	<=33.01	Pass	
			18	21.04	-0.79	20.25	<=33.01	Pass	
			39	21.08	-0.79	20.29	<=33.01	Pass	
		75	0	21.16	-0.79	20.37	<=33.01	Pass	
	2595	1	0	22.14	-0.79	21.35	<=33.01	Pass	
			38	22.74	-0.79	21.95	<=33.01	Pass	
			74	22.29	-0.79	21.50	<=33.01	Pass	
		36	0	21.44	-0.79	20.65	<=33.01	Pass	
			18	21.48	-0.79	20.69	<=33.01	Pass	
			39	21.53	-0.79	20.74	<=33.01	Pass	
			75	0	21.51	-0.79	20.72	<=33.01	Pass
		2612.5	1	0	22.33	-0.79	21.54	<=33.01	Pass
	38			22.37	-0.79	21.58	<=33.01	Pass	
	74			22.04	-0.79	21.25	<=33.01	Pass	
	36		0	21.47	-0.79	20.68	<=33.01	Pass	
			18	21.32	-0.79	20.53	<=33.01	Pass	
			39	21.17	-0.79	20.38	<=33.01	Pass	
	75		0	21.33	-0.79	20.54	<=33.01	Pass	
	64QAM	2577.5	1	0	21.96	-0.79	21.17	<=33.01	Pass
				38	21.63	-0.79	20.84	<=33.01	Pass
				74	21.48	-0.79	20.69	<=33.01	Pass
			36	0	21.00	-0.79	20.21	<=33.01	Pass
				18	21.06	-0.79	20.27	<=33.01	Pass
39				21.10	-0.79	20.31	<=33.01	Pass	
75				0	21.15	-0.79	20.36	<=33.01	Pass
2595			1	0	21.50	-0.79	20.71	<=33.01	Pass
		38		22.07	-0.79	21.28	<=33.01	Pass	
		74		21.65	-0.79	20.86	<=33.01	Pass	
		36	0	21.46	-0.79	20.67	<=33.01	Pass	
			18	21.50	-0.79	20.71	<=33.01	Pass	
			39	21.54	-0.79	20.75	<=33.01	Pass	
75		0	21.50	-0.79	20.71	<=33.01	Pass		
2612.5		1	0	21.75	-0.79	20.96	<=33.01	Pass	
			38	21.80	-0.79	21.01	<=33.01	Pass	
			74	21.49	-0.79	20.70	<=33.01	Pass	
		36	0	21.49	-0.79	20.70	<=33.01	Pass	
			18	21.34	-0.79	20.55	<=33.01	Pass	
			39	21.19	-0.79	20.40	<=33.01	Pass	
		75	0	21.33	-0.79	20.54	<=33.01	Pass	
		Note1: EIRP=Conducted Power+Antenna Gain							

1.1.4 B38_20MHz_EIRP

Band: 38 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	21.26	-0.79	20.47	<=33.01	Pass
			50	22.09	-0.79	21.30	<=33.01	Pass
			99	21.97	-0.79	21.18	<=33.01	Pass
		50	0	21.92	-0.79	21.13	<=33.01	Pass
			25	22.14	-0.79	21.35	<=33.01	Pass
			50	22.10	-0.79	21.31	<=33.01	Pass
		100	0	22.02	-0.79	21.23	<=33.01	Pass
			0	21.33	-0.79	20.54	<=33.01	Pass
	2595	1	50	22.54	-0.79	21.75	<=33.01	Pass
			99	22.00	-0.79	21.21	<=33.01	Pass
			0	21.33	-0.79	20.54	<=33.01	Pass
			0	21.33	-0.79	20.54	<=33.01	Pass

		50	0	22.30	-0.79	21.51	<=33.01	Pass		
			25	22.50	-0.79	21.71	<=33.01	Pass		
			50	22.46	-0.79	21.67	<=33.01	Pass		
		100	0	22.38	-0.79	21.59	<=33.01	Pass		
			1	0	21.45	-0.79	20.66	<=33.01	Pass	
				50	22.36	-0.79	21.57	<=33.01	Pass	
		99		21.67	-0.79	20.88	<=33.01	Pass		
		2610	50	0	22.34	-0.79	21.55	<=33.01	Pass	
				25	22.25	-0.79	21.46	<=33.01	Pass	
	50			22.02	-0.79	21.23	<=33.01	Pass		
	100		0	22.14	-0.79	21.35	<=33.01	Pass		
	16QAM		2580	1	0	20.29	-0.79	19.50	<=33.01	Pass
50		21.17			-0.79	20.38	<=33.01	Pass		
99		21.05			-0.79	20.26	<=33.01	Pass		
50		0		20.94	-0.79	20.15	<=33.01	Pass		
		25		21.17	-0.79	20.38	<=33.01	Pass		
		50		21.13	-0.79	20.34	<=33.01	Pass		
		100		0	21.04	-0.79	20.25	<=33.01	Pass	
		2595		1	0	20.06	-0.79	19.27	<=33.01	Pass
50					21.62	-0.79	20.83	<=33.01	Pass	
99			21.08		-0.79	20.29	<=33.01	Pass		
50			0	21.32	-0.79	20.53	<=33.01	Pass		
			25	21.53	-0.79	20.74	<=33.01	Pass		
			50	21.49	-0.79	20.70	<=33.01	Pass		
100			0	21.40	-0.79	20.61	<=33.01	Pass		
2610			1	0	20.50	-0.79	19.71	<=33.01	Pass	
				50	21.46	-0.79	20.67	<=33.01	Pass	
		99		20.76	-0.79	19.97	<=33.01	Pass		
		50	0	21.37	-0.79	20.58	<=33.01	Pass		
			25	21.28	-0.79	20.49	<=33.01	Pass		
			50	21.05	-0.79	20.26	<=33.01	Pass		
		100	0	21.17	-0.79	20.38	<=33.01	Pass		
		64QAM	2580	1	0	19.86	-0.79	19.07	<=33.01	Pass
					50	20.63	-0.79	19.84	<=33.01	Pass
99					20.46	-0.79	19.67	<=33.01	Pass	
50				0	20.33	-0.79	19.54	<=33.01	Pass	
				25	21.12	-0.79	20.33	<=33.01	Pass	
				50	21.07	-0.79	20.28	<=33.01	Pass	
	100			0	21.07	-0.79	20.28	<=33.01	Pass	
	2595			1	0	19.67	-0.79	18.88	<=33.01	Pass
50					21.34	-0.79	20.55	<=33.01	Pass	
99			20.07		-0.79	19.28	<=33.01	Pass		
50			0	21.26	-0.79	20.47	<=33.01	Pass		
			25	21.47	-0.79	20.68	<=33.01	Pass		
			50	21.43	-0.79	20.64	<=33.01	Pass		
100	0		21.43	-0.79	20.64	<=33.01	Pass			
2610	1		0	19.75	-0.79	18.96	<=33.01	Pass		
			50	20.83	-0.79	20.04	<=33.01	Pass		
			99	19.92	-0.79	19.13	<=33.01	Pass		
	50		0	21.31	-0.79	20.52	<=33.01	Pass		
			25	21.23	-0.79	20.44	<=33.01	Pass		
			50	20.99	-0.79	20.20	<=33.01	Pass		
	100		0	21.20	-0.79	20.41	<=33.01	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 Test Result

2.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	20.4	5.500	0.0021	-2.5 to 2.5	Pass
					24	1.400	0.0005	-2.5 to 2.5	Pass
					27.6	1.700	0.0007	-2.5 to 2.5	Pass
				-30	24	2.600	0.0010	-2.5 to 2.5	Pass
				-20	24	2.600	0.0010	-2.5 to 2.5	Pass
				-10	24	1.500	0.0006	-2.5 to 2.5	Pass
				0	24	7.600	0.0030	-2.5 to 2.5	Pass
				10	24	4.200	0.0016	-2.5 to 2.5	Pass
				30	24	4.200	0.0016	-2.5 to 2.5	Pass
				40	24	4.500	0.0017	-2.5 to 2.5	Pass
				50	24	1.100	0.0004	-2.5 to 2.5	Pass
	2595	25	0	20	20.4	-4.100	-0.0016	-2.5 to 2.5	Pass
					24	2.600	0.0010	-2.5 to 2.5	Pass
					27.6	6.700	0.0026	-2.5 to 2.5	Pass
				-30	24	-1.500	-0.0006	-2.5 to 2.5	Pass
				-20	24	-1.200	-0.0005	-2.5 to 2.5	Pass
				-10	24	-3.600	-0.0014	-2.5 to 2.5	Pass
				0	24	5.500	0.0021	-2.5 to 2.5	Pass
				10	24	1.300	0.0005	-2.5 to 2.5	Pass
				30	24	-0.900	-0.0003	-2.5 to 2.5	Pass
				40	24	1.400	0.0005	-2.5 to 2.5	Pass
				50	24	7.800	0.0030	-2.5 to 2.5	Pass
	2617.5	25	0	20	20.4	-5.900	-0.0023	-2.5 to 2.5	Pass
					24	-7.600	-0.0029	-2.5 to 2.5	Pass
					27.6	1.800	0.0007	-2.5 to 2.5	Pass
				-30	24	0.100	0.0000	-2.5 to 2.5	Pass
				-20	24	1.900	0.0007	-2.5 to 2.5	Pass
				-10	24	-3.200	-0.0012	-2.5 to 2.5	Pass
				0	24	-8.400	-0.0032	-2.5 to 2.5	Pass
				10	24	-4.100	-0.0016	-2.5 to 2.5	Pass
				30	24	3.200	0.0012	-2.5 to 2.5	Pass
				40	24	-3.400	-0.0013	-2.5 to 2.5	Pass
				50	24	2.400	0.0009	-2.5 to 2.5	Pass

2.1.2 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	2575	50	0	20	20.4	7.300	0.0028	-2.5 to 2.5	Pass
					24	-1.300	-0.0005	-2.5 to 2.5	Pass
					27.6	4.300	0.0017	-2.5 to 2.5	Pass
				-30	24	3.300	0.0013	-2.5 to 2.5	Pass
				-20	24	7.300	0.0028	-2.5 to 2.5	Pass
				-10	24	0.800	0.0003	-2.5 to 2.5	Pass
				0	24	5.000	0.0019	-2.5 to 2.5	Pass
				10	24	1.800	0.0007	-2.5 to 2.5	Pass

				30	24	5.700	0.0022	-2.5 to 2.5	Pass
				40	24	1.400	0.0005	-2.5 to 2.5	Pass
				50	24	6.000	0.0023	-2.5 to 2.5	Pass
	2595	50	0	20	20.4	-3.900	-0.0015	-2.5 to 2.5	Pass
					24	-1.300	-0.0005	-2.5 to 2.5	Pass
					27.6	-0.500	-0.0002	-2.5 to 2.5	Pass
				-30	24	-6.400	-0.0025	-2.5 to 2.5	Pass
				-20	24	-0.300	-0.0001	-2.5 to 2.5	Pass
				-10	24	2.000	0.0008	-2.5 to 2.5	Pass
				0	24	5.200	0.0020	-2.5 to 2.5	Pass
				10	24	2.500	0.0010	-2.5 to 2.5	Pass
				30	24	1.900	0.0007	-2.5 to 2.5	Pass
				40	24	-5.600	-0.0022	-2.5 to 2.5	Pass
				50	24	3.300	0.0013	-2.5 to 2.5	Pass
	2615	50	0	20	20.4	3.200	0.0012	-2.5 to 2.5	Pass
					24	6.400	0.0024	-2.5 to 2.5	Pass
					27.6	-0.700	-0.0003	-2.5 to 2.5	Pass
				-30	24	4.900	0.0019	-2.5 to 2.5	Pass
				-20	24	5.200	0.0020	-2.5 to 2.5	Pass
				-10	24	0.000	0.0000	-2.5 to 2.5	Pass
				0	24	-0.100	0.0000	-2.5 to 2.5	Pass
				10	24	3.200	0.0012	-2.5 to 2.5	Pass
				30	24	0.300	0.0001	-2.5 to 2.5	Pass
				40	24	3.800	0.0015	-2.5 to 2.5	Pass
				50	24	4.000	0.0015	-2.5 to 2.5	Pass

2.1.3 B38_15MHz

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	20.4	4.500	0.0017	-2.5 to 2.5	Pass
					24	23.800	0.0092	-2.5 to 2.5	Pass
					27.6	1.700	0.0007	-2.5 to 2.5	Pass
				-30	24	3.000	0.0012	-2.5 to 2.5	Pass
				-20	24	3.800	0.0015	-2.5 to 2.5	Pass
				-10	24	2.600	0.0010	-2.5 to 2.5	Pass
				0	24	3.500	0.0014	-2.5 to 2.5	Pass
				10	24	2.700	0.0010	-2.5 to 2.5	Pass
				30	24	-1.500	-0.0006	-2.5 to 2.5	Pass
				40	24	1.000	0.0004	-2.5 to 2.5	Pass
				50	24	0.600	0.0002	-2.5 to 2.5	Pass
	2595	75	0	20	20.4	-0.900	-0.0003	-2.5 to 2.5	Pass
					24	0.300	0.0001	-2.5 to 2.5	Pass
					27.6	-5.500	-0.0021	-2.5 to 2.5	Pass
				-30	24	-1.100	-0.0004	-2.5 to 2.5	Pass
				-20	24	-2.600	-0.0010	-2.5 to 2.5	Pass
				-10	24	-3.600	-0.0014	-2.5 to 2.5	Pass
				0	24	-1.500	-0.0006	-2.5 to 2.5	Pass
				10	24	-3.500	-0.0013	-2.5 to 2.5	Pass
				30	24	-1.100	-0.0004	-2.5 to 2.5	Pass
				40	24	-6.300	-0.0024	-2.5 to 2.5	Pass
				50	24	-1.000	-0.0004	-2.5 to 2.5	Pass
	2612.5	75	0	20	20.4	3.600	0.0014	-2.5 to 2.5	Pass
					24	7.900	0.0030	-2.5 to 2.5	Pass
					27.6	5.700	0.0022	-2.5 to 2.5	Pass
				-30	24	9.400	0.0036	-2.5 to 2.5	Pass

				-20	24	1.600	0.0006	-2.5 to 2.5	Pass
				-10	24	5.300	0.0020	-2.5 to 2.5	Pass
				0	24	4.200	0.0016	-2.5 to 2.5	Pass
				10	24	0.300	0.0001	-2.5 to 2.5	Pass
				30	24	6.000	0.0023	-2.5 to 2.5	Pass
				40	24	3.100	0.0012	-2.5 to 2.5	Pass
				50	24	0.400	0.0002	-2.5 to 2.5	Pass

2.1.4 B38_20MHz

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	20.4	-5.600	-0.0022	-2.5 to 2.5	Pass
					24	-2.800	-0.0011	-2.5 to 2.5	Pass
					27.6	1.400	0.0005	-2.5 to 2.5	Pass
				-30	24	-4.800	-0.0019	-2.5 to 2.5	Pass
				-20	24	-2.200	-0.0009	-2.5 to 2.5	Pass
				-10	24	-0.300	-0.0001	-2.5 to 2.5	Pass
				0	24	-5.800	-0.0022	-2.5 to 2.5	Pass
				10	24	-5.600	-0.0022	-2.5 to 2.5	Pass
				30	24	0.900	0.0003	-2.5 to 2.5	Pass
				40	24	-4.600	-0.0018	-2.5 to 2.5	Pass
				50	24	-4.300	-0.0017	-2.5 to 2.5	Pass
	2595	100	0	20	20.4	1.400	0.0005	-2.5 to 2.5	Pass
					24	-2.900	-0.0011	-2.5 to 2.5	Pass
					27.6	-2.900	-0.0011	-2.5 to 2.5	Pass
				-30	24	3.600	0.0014	-2.5 to 2.5	Pass
				-20	24	-2.900	-0.0011	-2.5 to 2.5	Pass
				-10	24	-3.500	-0.0013	-2.5 to 2.5	Pass
				0	24	-6.300	-0.0024	-2.5 to 2.5	Pass
				10	24	-5.000	-0.0019	-2.5 to 2.5	Pass
				30	24	-5.300	-0.0020	-2.5 to 2.5	Pass
				40	24	-3.600	-0.0014	-2.5 to 2.5	Pass
				50	24	-5.000	-0.0019	-2.5 to 2.5	Pass
	2610	100	0	20	20.4	2.100	0.0008	-2.5 to 2.5	Pass
					24	3.800	0.0015	-2.5 to 2.5	Pass
					27.6	-3.500	-0.0013	-2.5 to 2.5	Pass
				-30	24	-4.100	-0.0016	-2.5 to 2.5	Pass
				-20	24	1.600	0.0006	-2.5 to 2.5	Pass
				-10	24	0.300	0.0001	-2.5 to 2.5	Pass
				0	24	-3.500	-0.0013	-2.5 to 2.5	Pass
				10	24	-2.000	-0.0008	-2.5 to 2.5	Pass
				30	24	-4.800	-0.0018	-2.5 to 2.5	Pass
				40	24	0.800	0.0003	-2.5 to 2.5	Pass
				50	24	-5.100	-0.0020	-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	2572.5	25	0	4.507	/	Pass
		2595	25	0	4.513	/	Pass
		2617.5	25	0	4.503	/	Pass
	16QAM	2572.5	25	0	4.510	/	Pass
		2595	25	0	4.513	/	Pass
		2617.5	25	0	4.511	/	Pass
	64QAM	2572.5	25	0	4.505	/	Pass
		2595	25	0	4.504	/	Pass
		2617.5	25	0	4.503	/	Pass
10	QPSK	2575	50	0	9.007	/	Pass
		2595	50	0	9.004	/	Pass
		2615	50	0	9.007	/	Pass
	16QAM	2575	50	0	8.974	/	Pass
		2595	50	0	8.966	/	Pass
		2615	50	0	8.965	/	Pass
	64QAM	2575	50	0	8.991	/	Pass
		2595	50	0	8.988	/	Pass
		2615	50	0	8.998	/	Pass
15	QPSK	2577.5	75	0	13.514	/	Pass
		2595	75	0	13.527	/	Pass
		2612.5	75	0	13.515	/	Pass
	16QAM	2577.5	75	0	13.491	/	Pass
		2595	75	0	13.479	/	Pass
		2612.5	75	0	13.479	/	Pass
	64QAM	2577.5	75	0	13.495	/	Pass
		2595	75	0	13.512	/	Pass
		2612.5	75	0	13.508	/	Pass
20	QPSK	2580	100	0	18.037	/	Pass
		2595	100	0	17.994	/	Pass
		2610	100	0	17.985	/	Pass
	16QAM	2580	100	0	18.037	/	Pass
		2595	100	0	18.057	/	Pass
		2610	100	0	18.031	/	Pass
	64QAM	2580	100	0	18.024	/	Pass
		2595	100	0	18.045	/	Pass
		2610	100	0	18.048	/	Pass

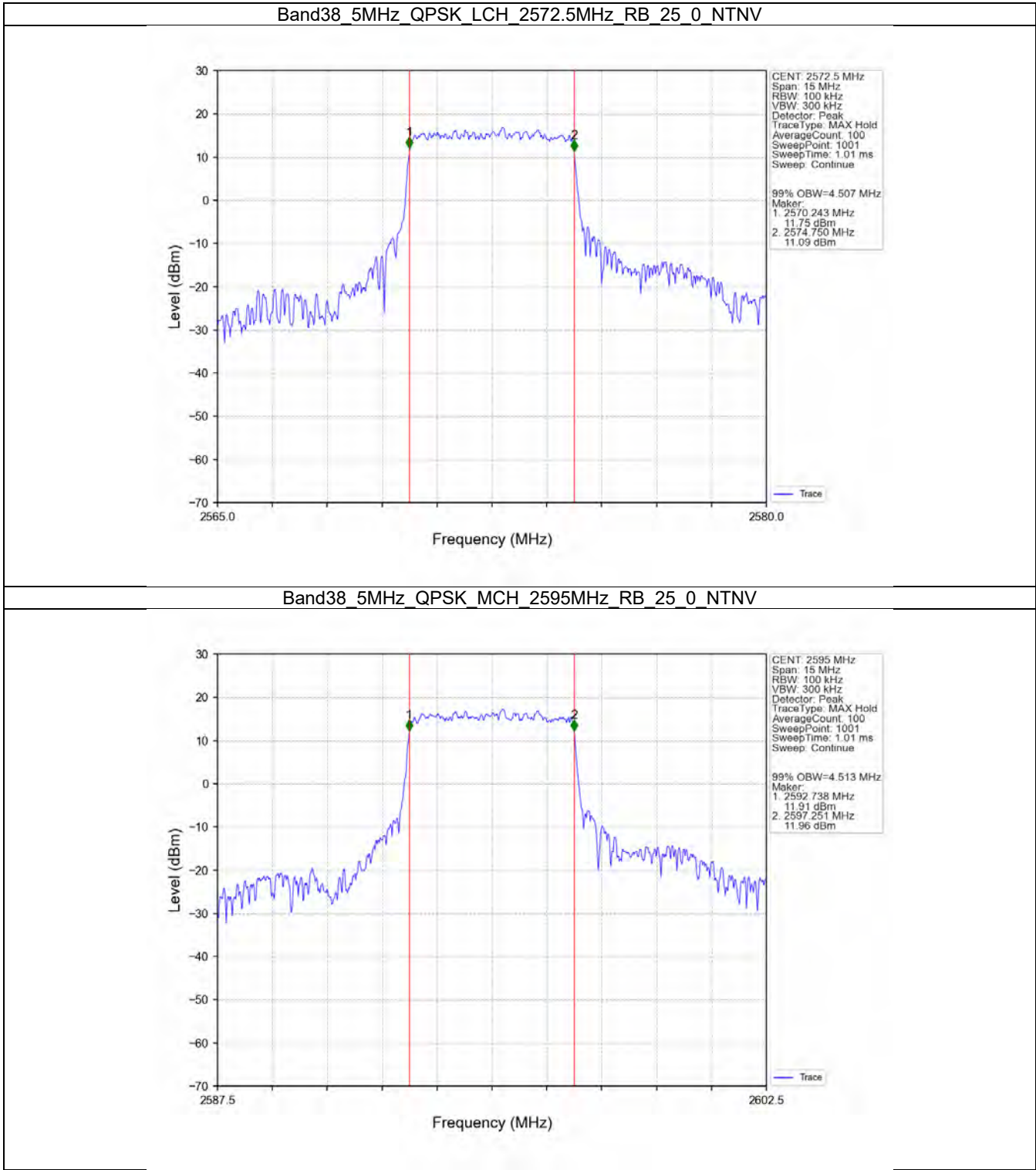
3.1.2 Band38_XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	5.663	/	Pass
		2595	25	0	5.508	/	Pass
		2617.5	25	0	5.609	/	Pass

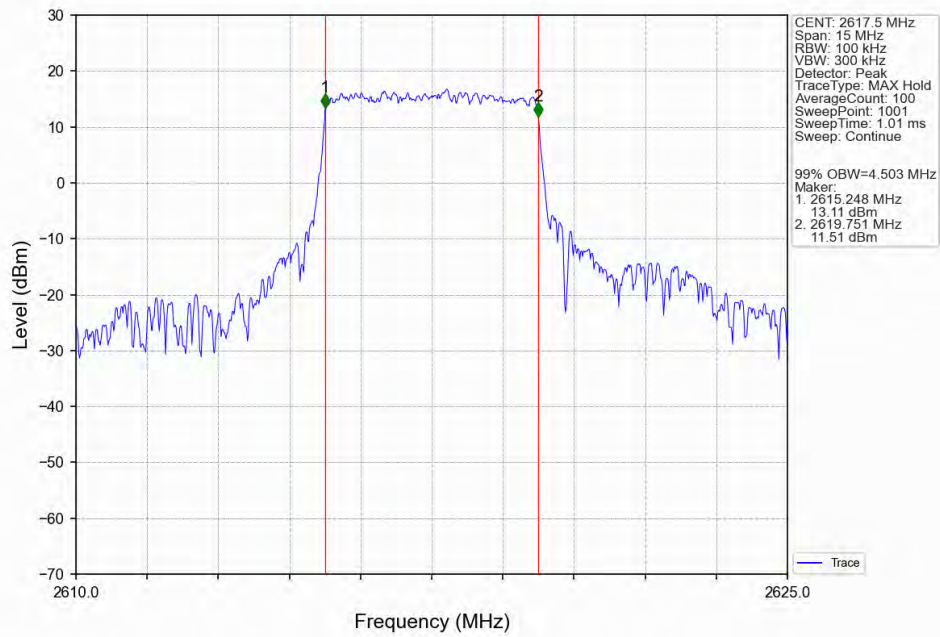
	16QAM	2572.5	25	0	5.303	/	Pass
		2595	25	0	5.248	/	Pass
		2617.5	25	0	5.292	/	Pass
	64QAM	2572.5	25	0	5.173	/	Pass
		2595	25	0	5.096	/	Pass
		2617.5	25	0	5.149	/	Pass
10	QPSK	2575	50	0	10.607	/	Pass
		2595	50	0	10.325	/	Pass
		2615	50	0	10.307	/	Pass
	16QAM	2575	50	0	9.834	/	Pass
		2595	50	0	9.835	/	Pass
		2615	50	0	9.782	/	Pass
	64QAM	2575	50	0	10.023	/	Pass
		2595	50	0	10.331	/	Pass
		2615	50	0	10.248	/	Pass
15	QPSK	2577.5	75	0	15.568	/	Pass
		2595	75	0	15.524	/	Pass
		2612.5	75	0	15.541	/	Pass
	16QAM	2577.5	75	0	15.476	/	Pass
		2595	75	0	15.512	/	Pass
		2612.5	75	0	15.635	/	Pass
	64QAM	2577.5	75	0	15.232	/	Pass
		2595	75	0	15.092	/	Pass
		2612.5	75	0	15.291	/	Pass
20	QPSK	2580	100	0	21.242	/	Pass
		2595	100	0	21.270	/	Pass
		2610	100	0	21.192	/	Pass
	16QAM	2580	100	0	19.965	/	Pass
		2595	100	0	20.234	/	Pass
		2610	100	0	19.980	/	Pass
	64QAM	2580	100	0	20.532	/	Pass
		2595	100	0	19.964	/	Pass
		2610	100	0	20.245	/	Pass

3.2 Test Graph

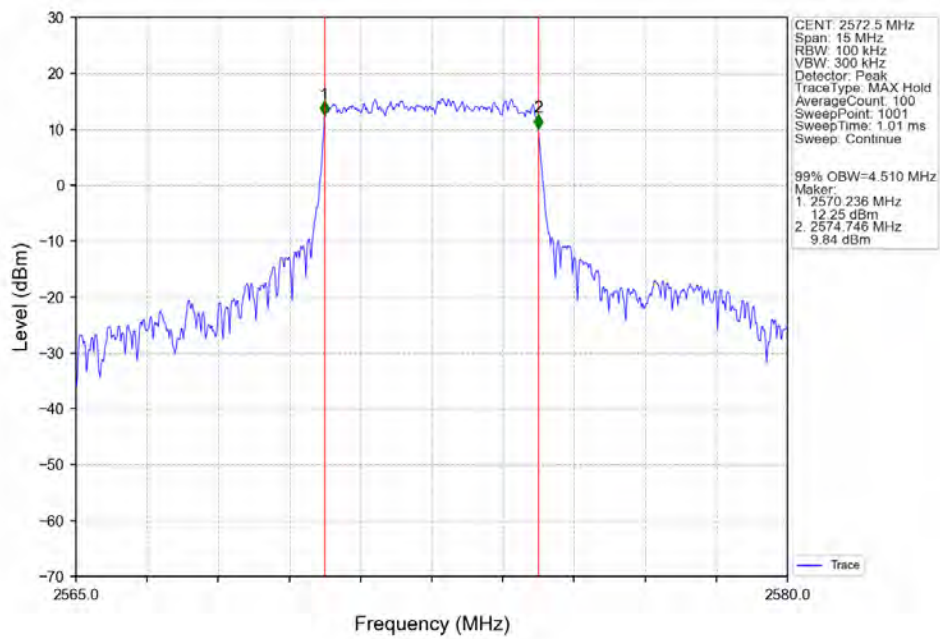
3.2.1 Band38_OBW



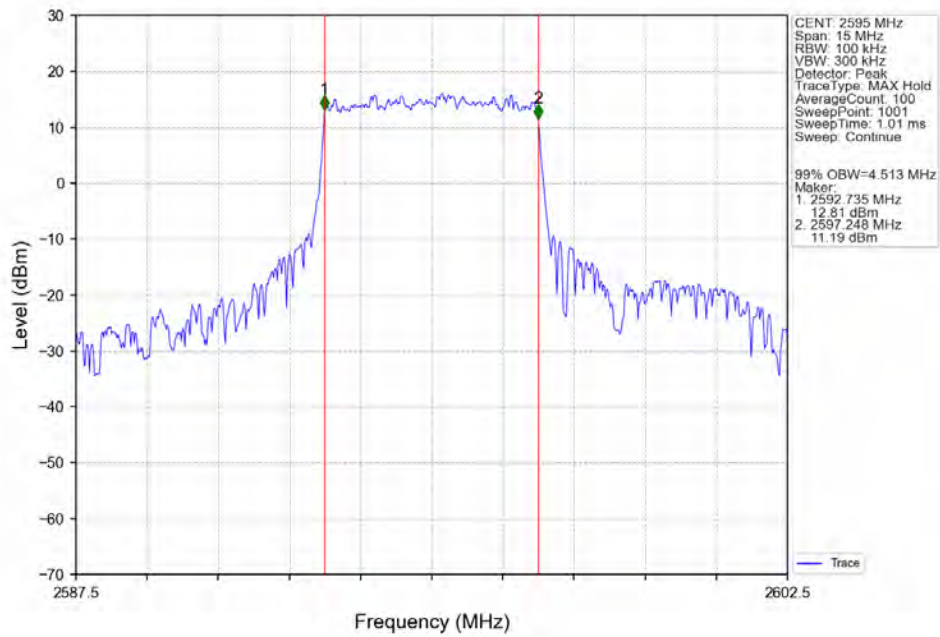
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



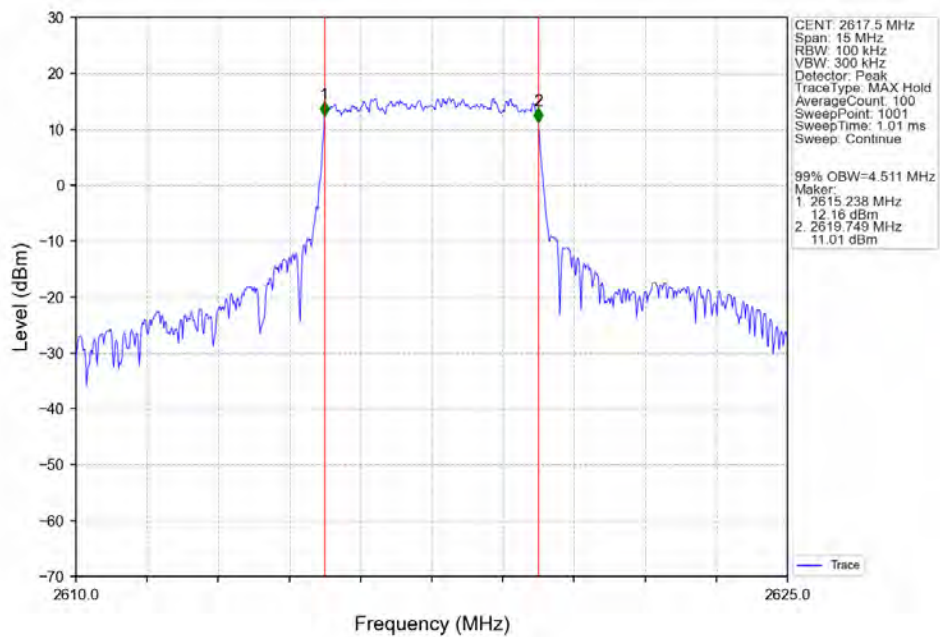
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



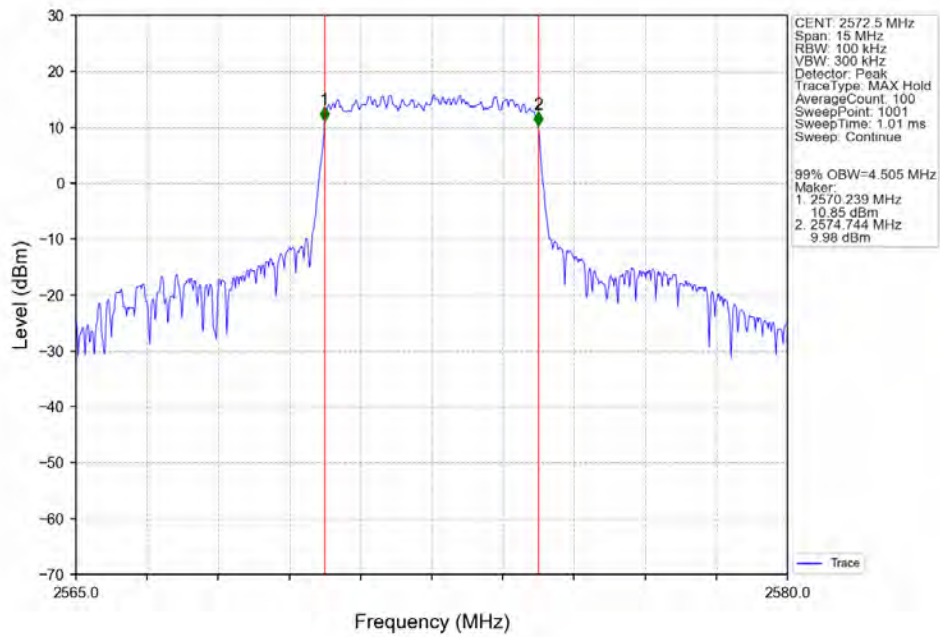
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



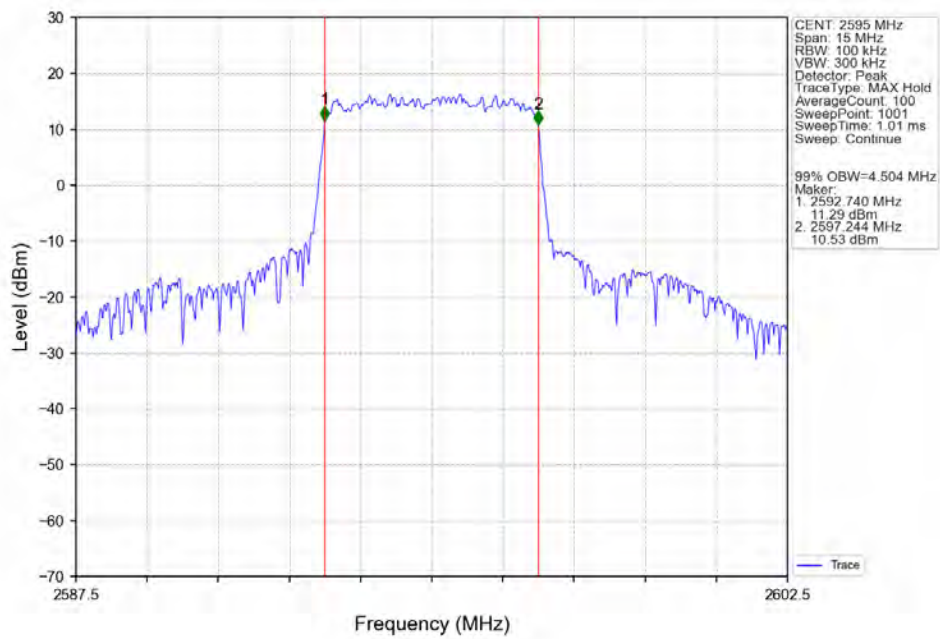
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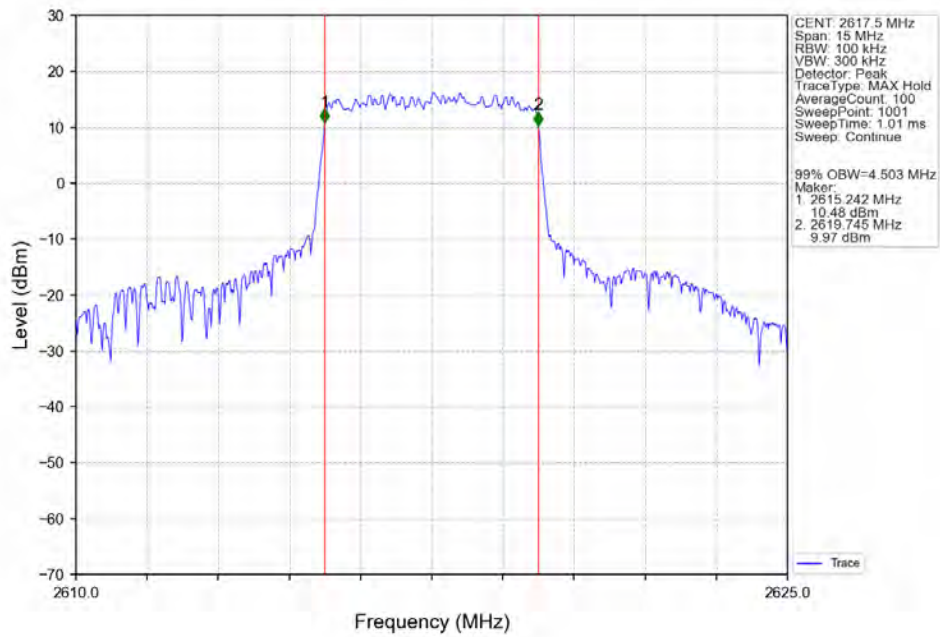
Band38 5MHz 64QAM LCH 2572.5MHz RB 25 0 NTNV



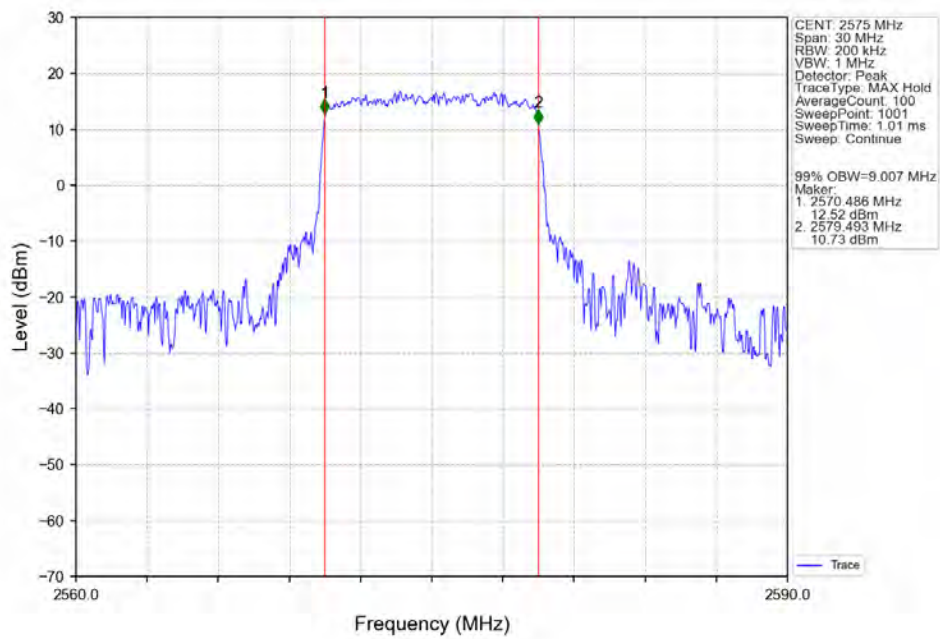
Band38 5MHz 64QAM MCH 2595MHz RB 25 0 NTNV



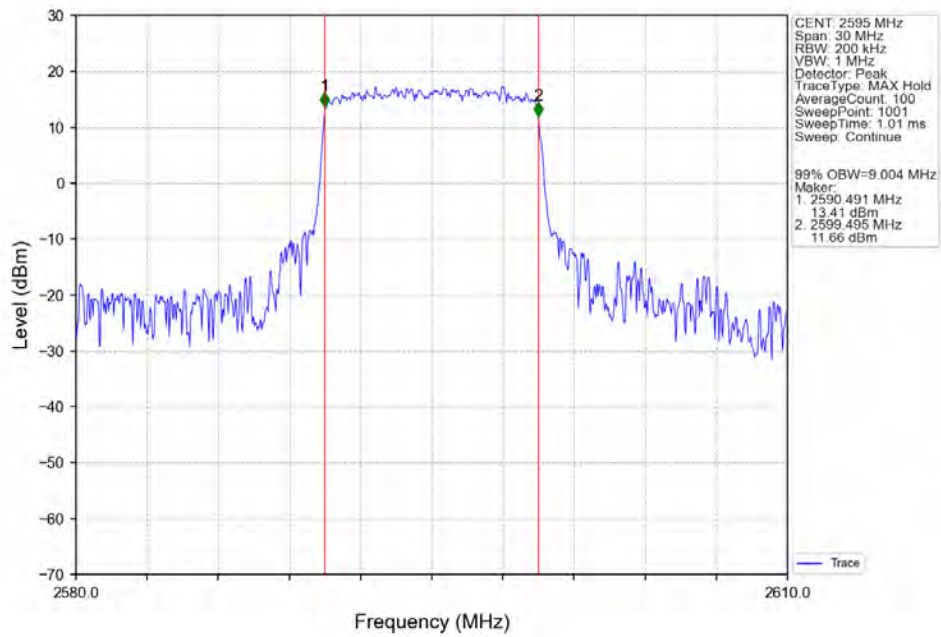
Band38_5MHz_64QAM_HCH_2617.5MHz_RB_25_0_NTNV



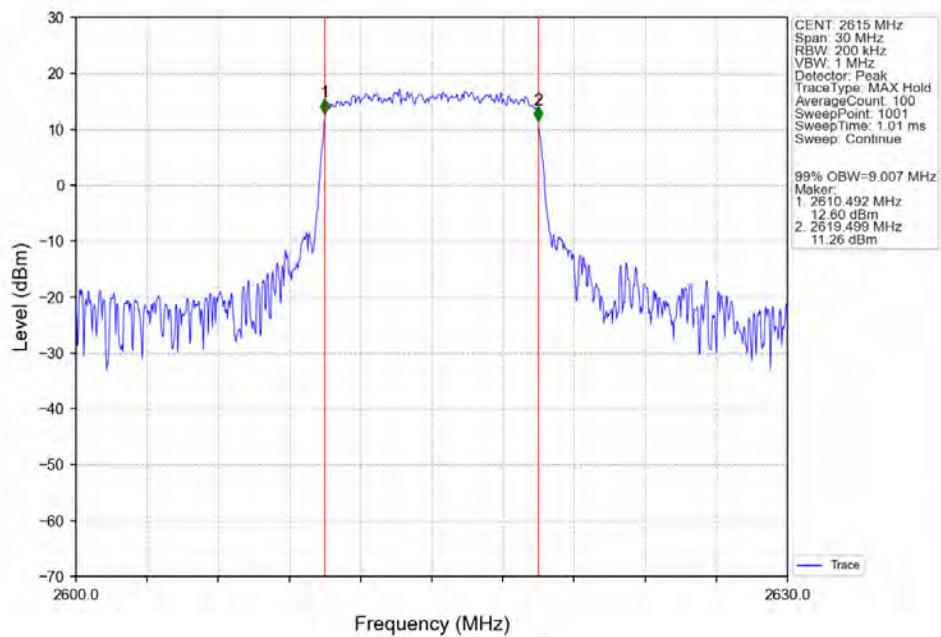
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



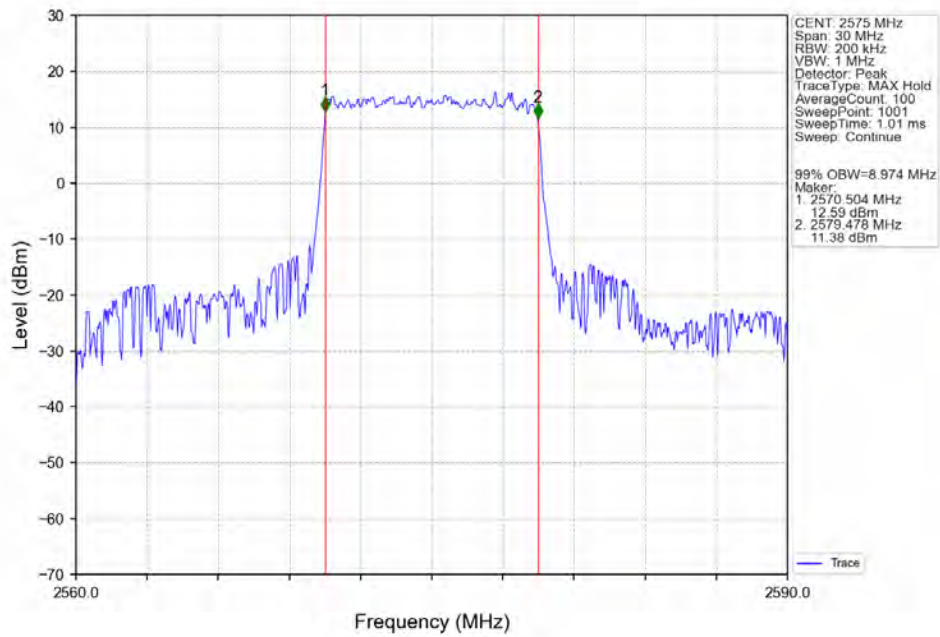
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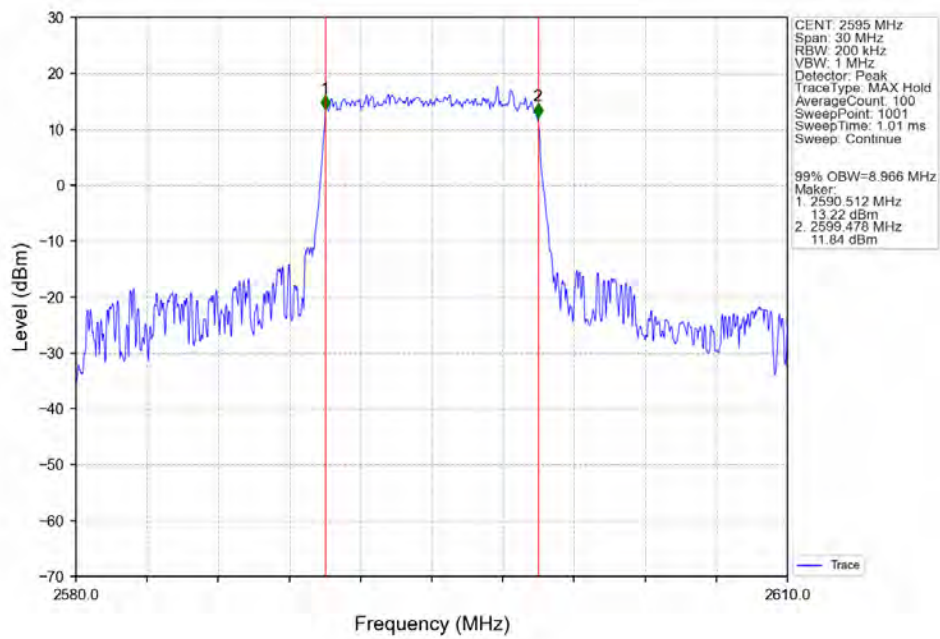
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



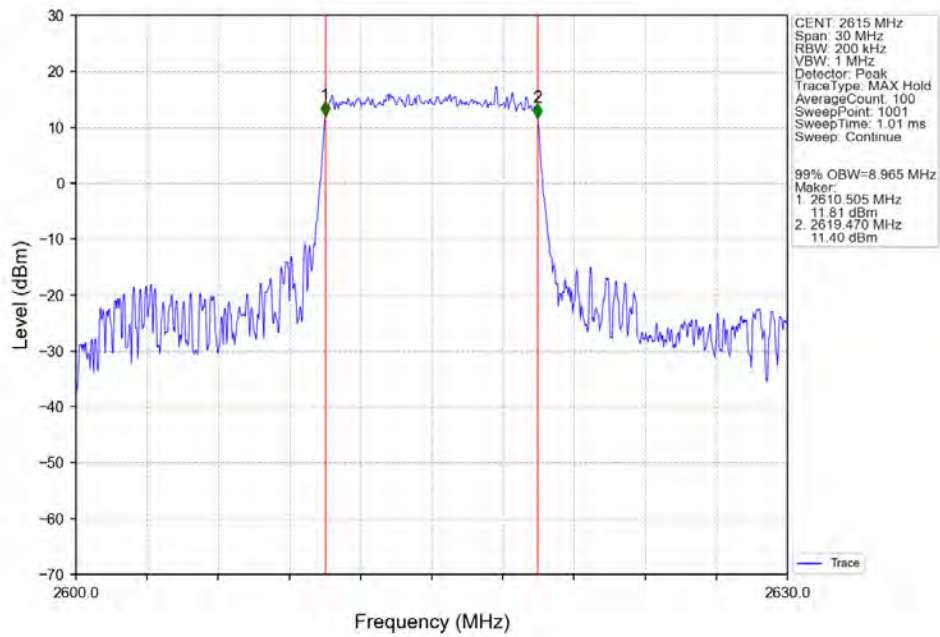
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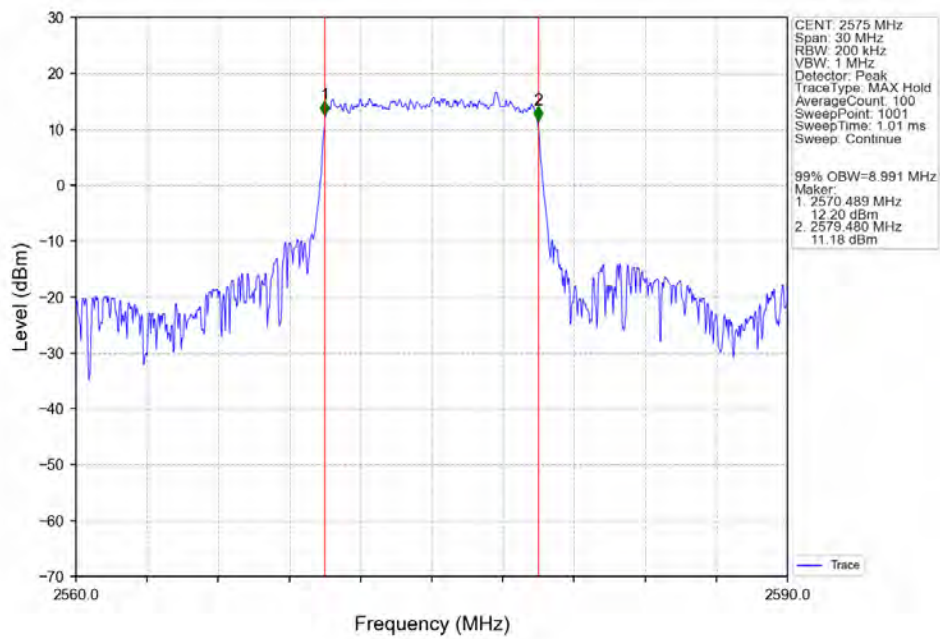
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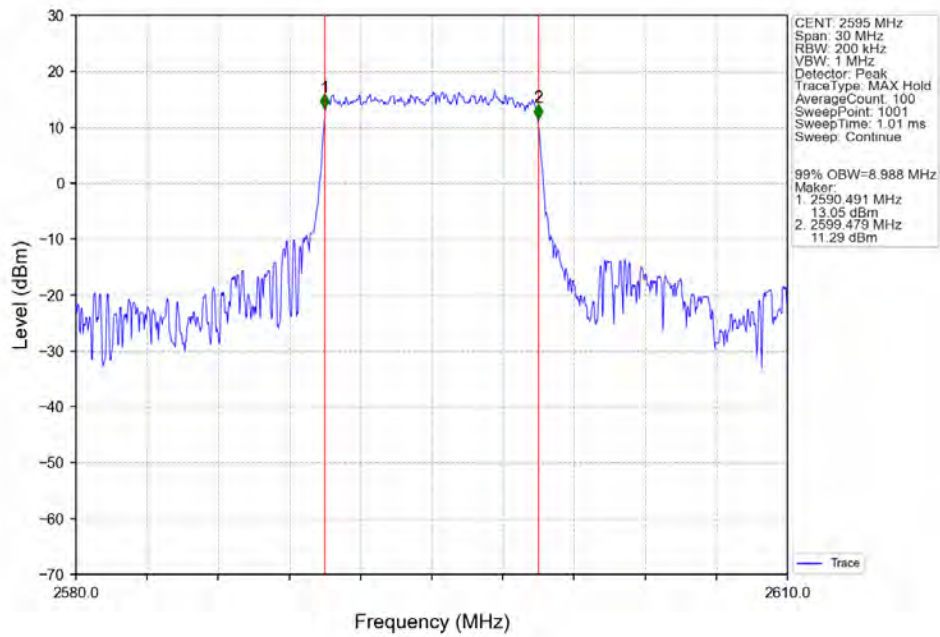
Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



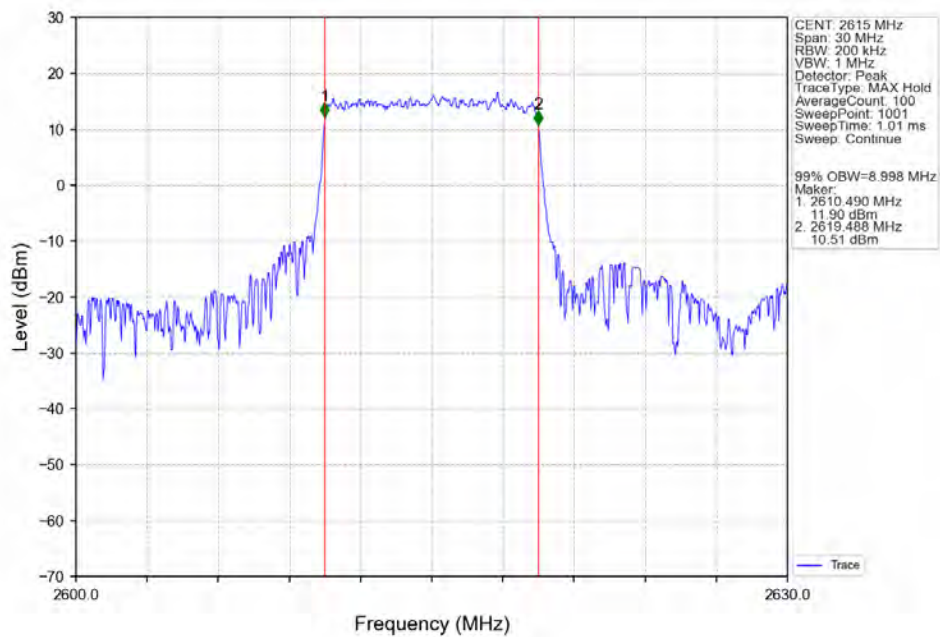
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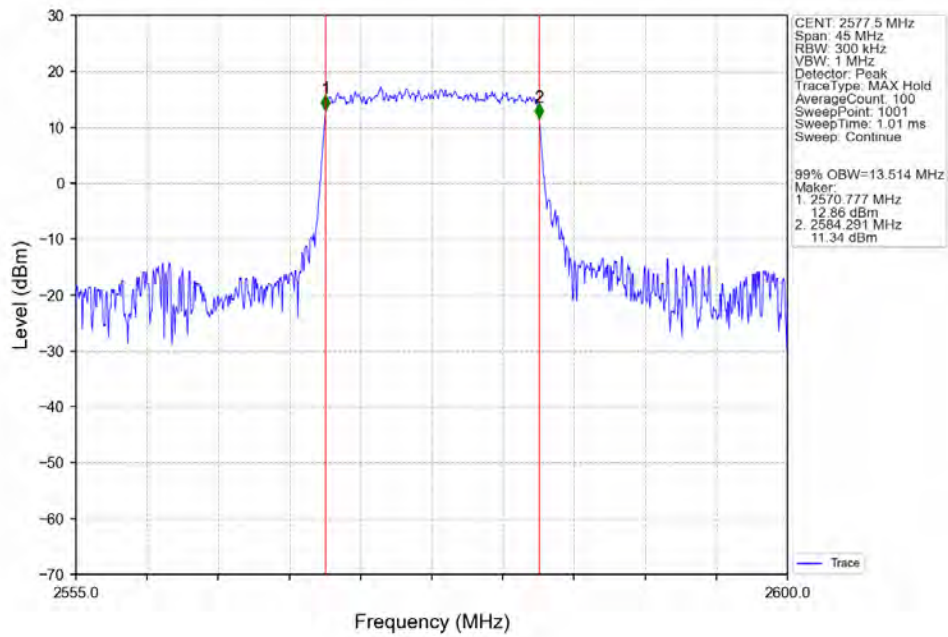
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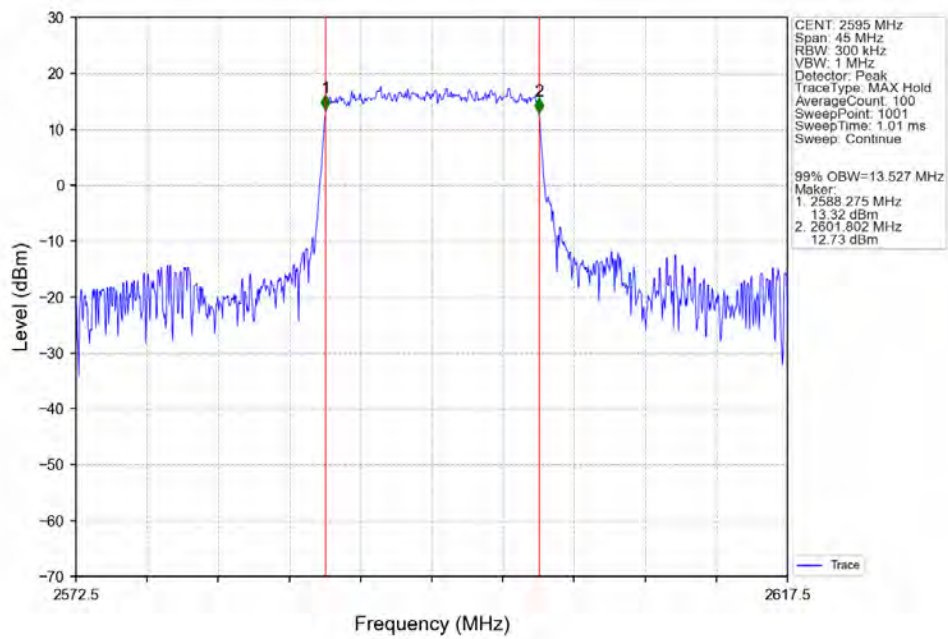
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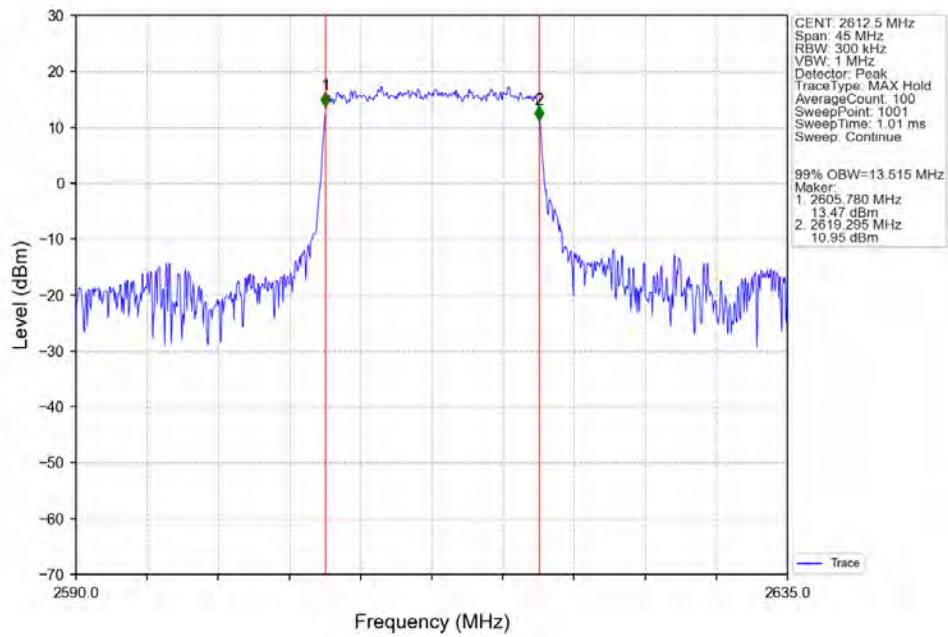
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



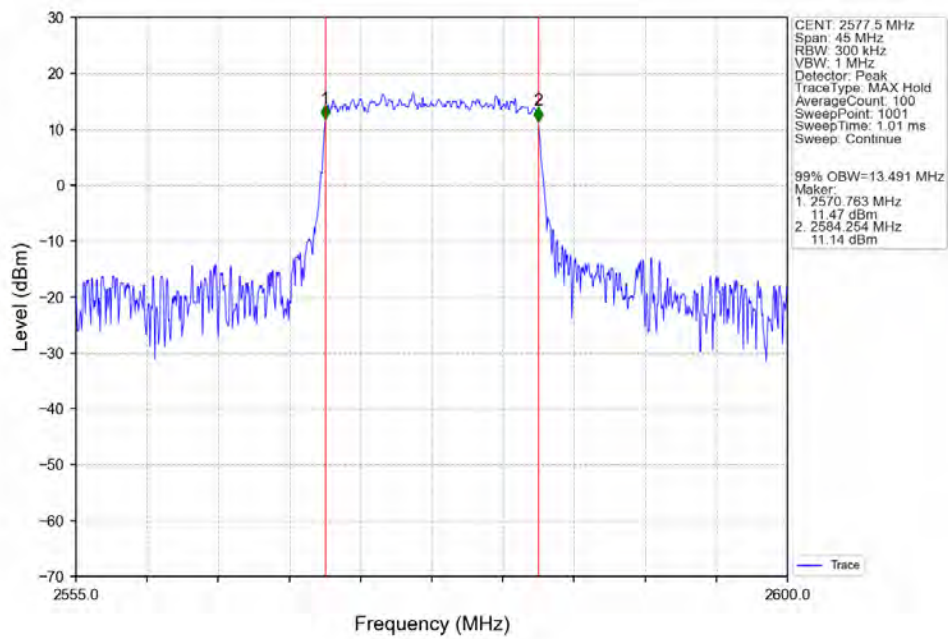
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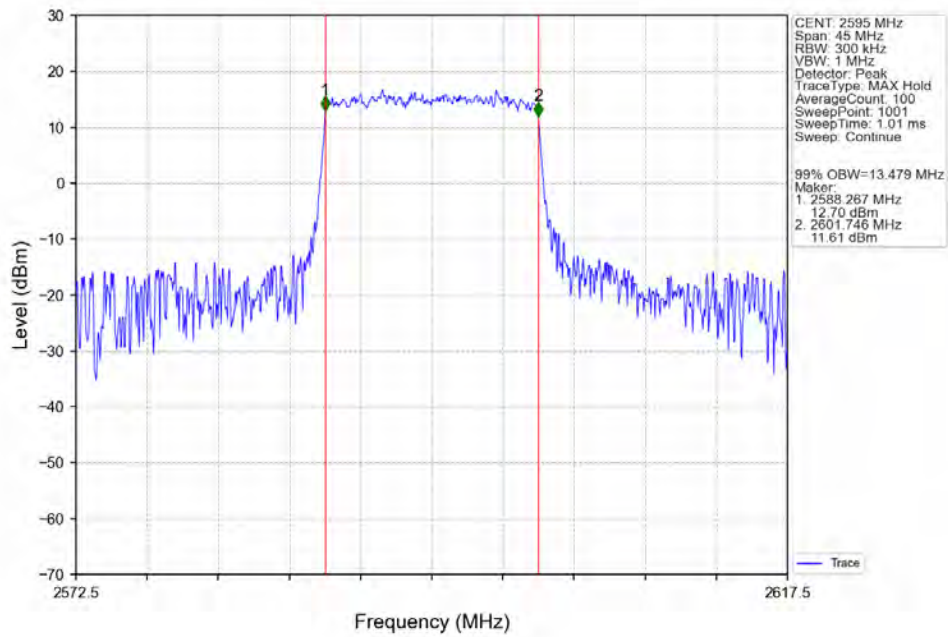
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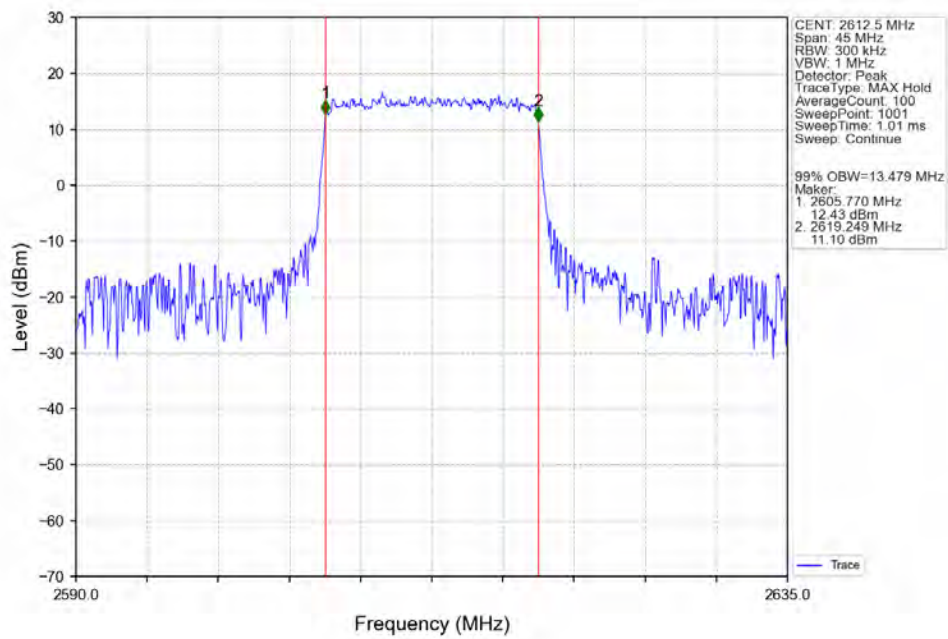
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



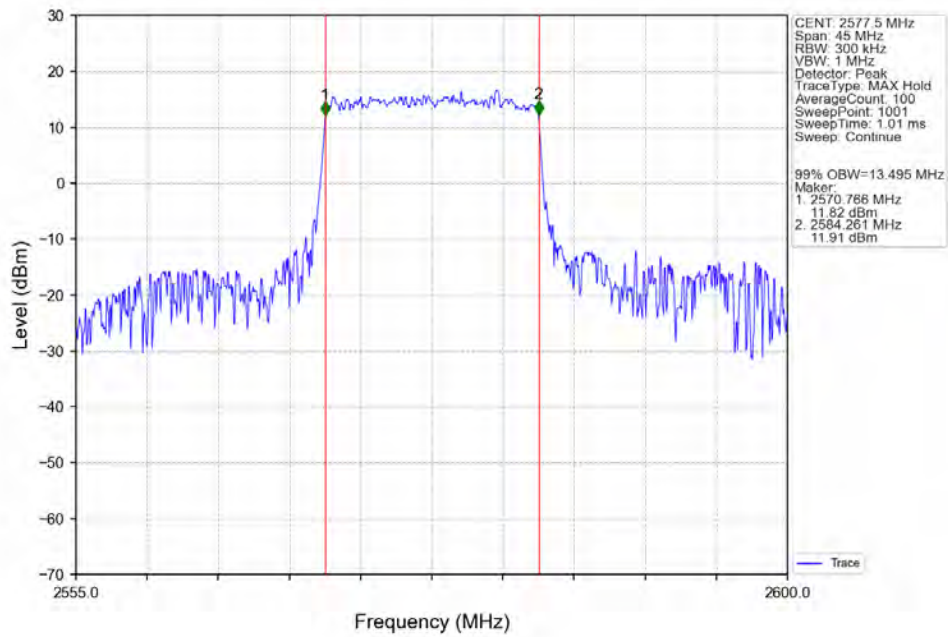
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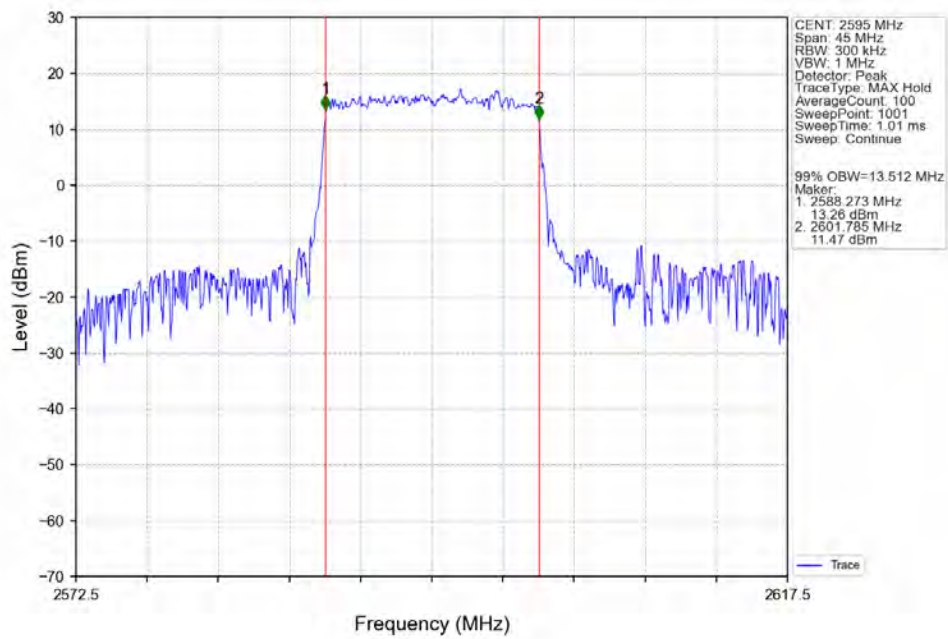
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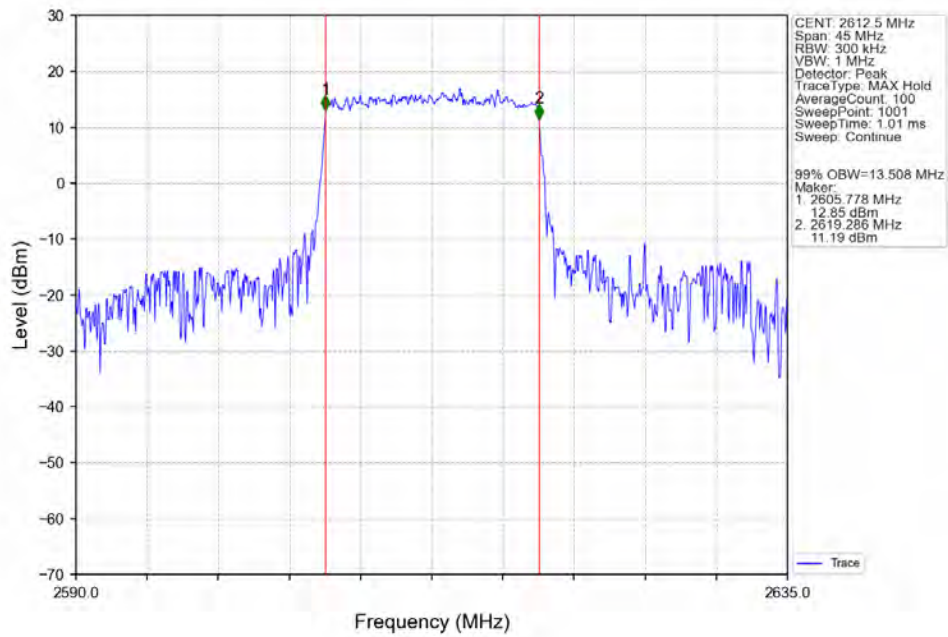
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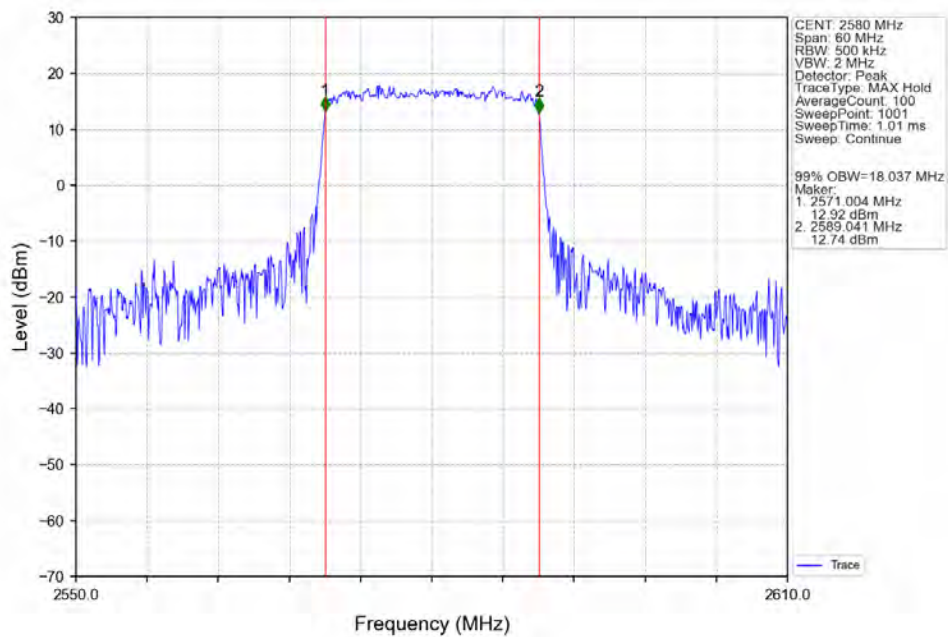
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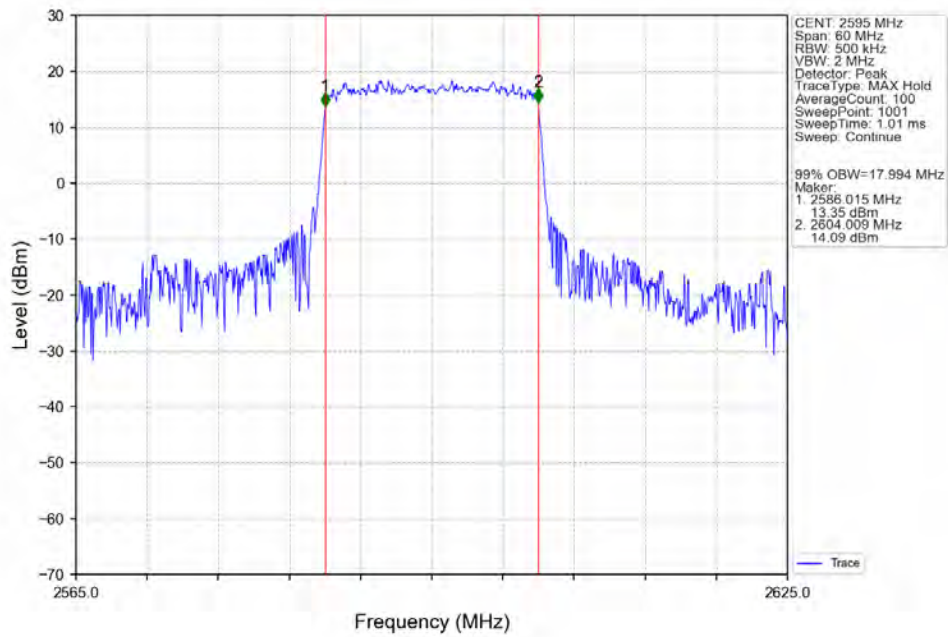
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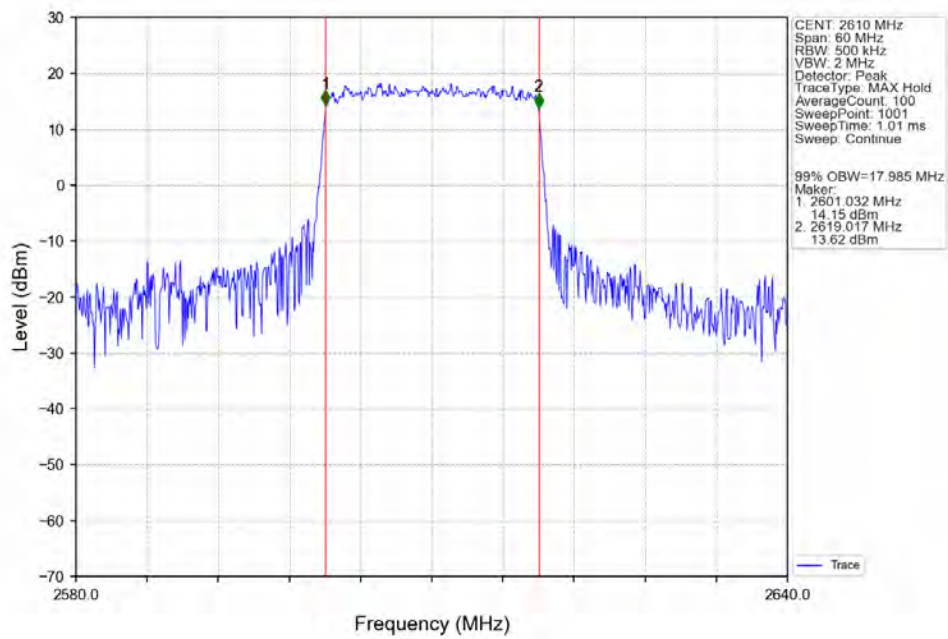
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



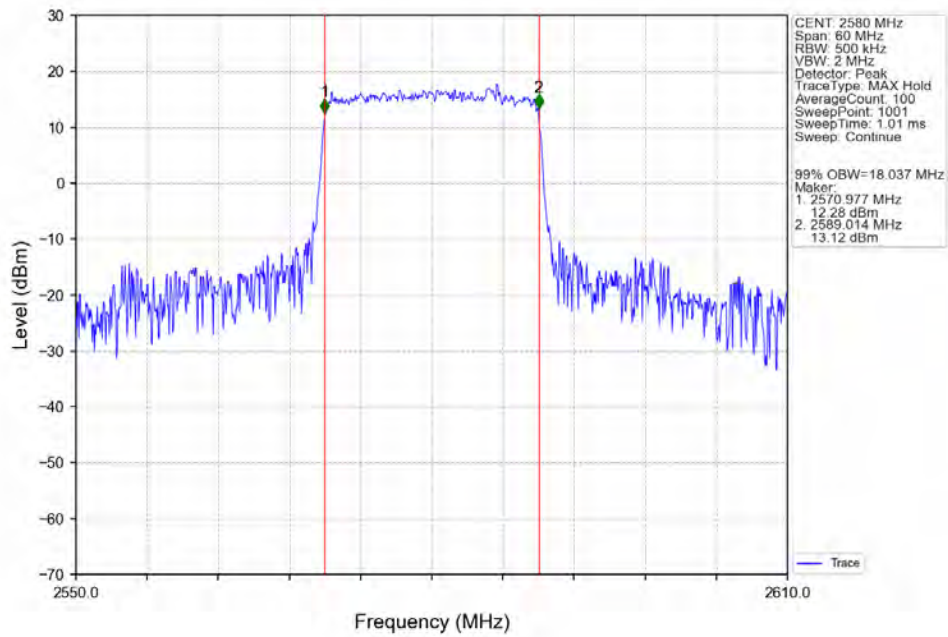
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



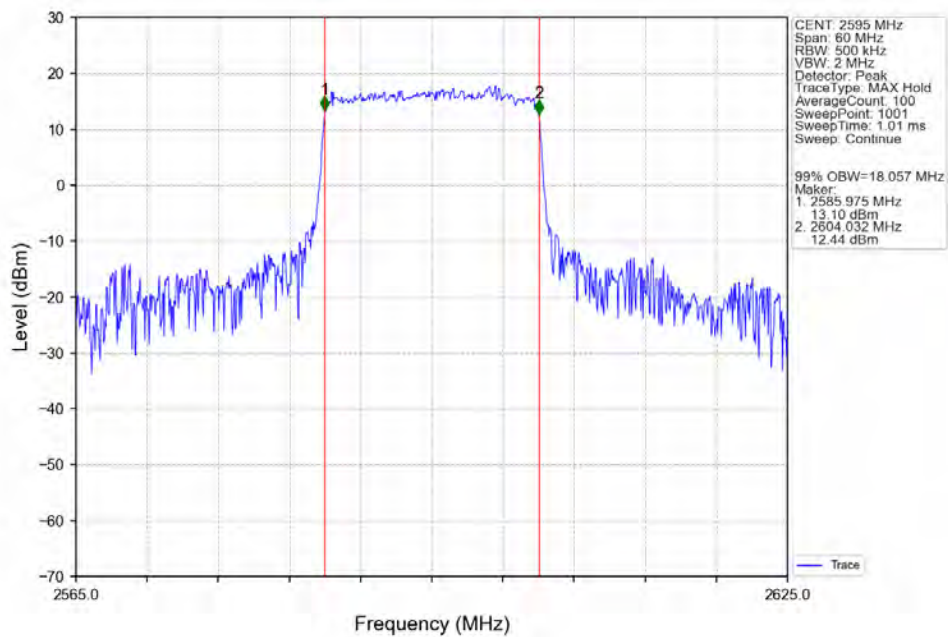
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTNV



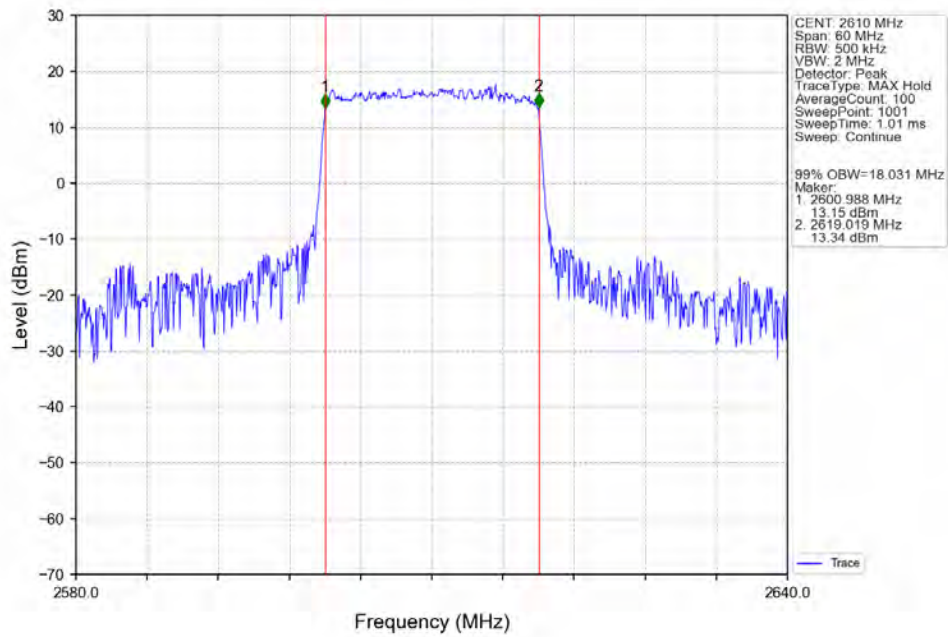
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



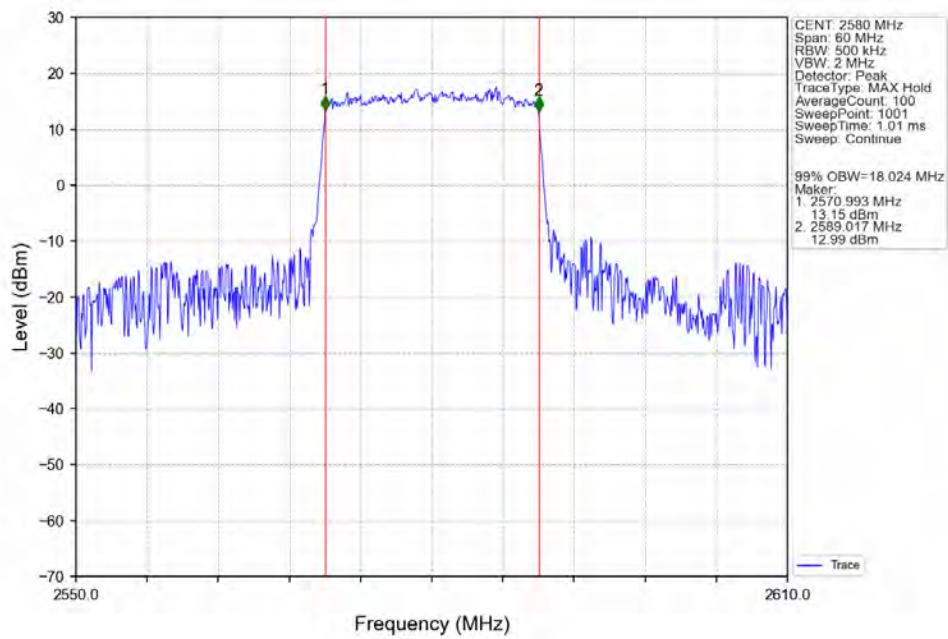
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



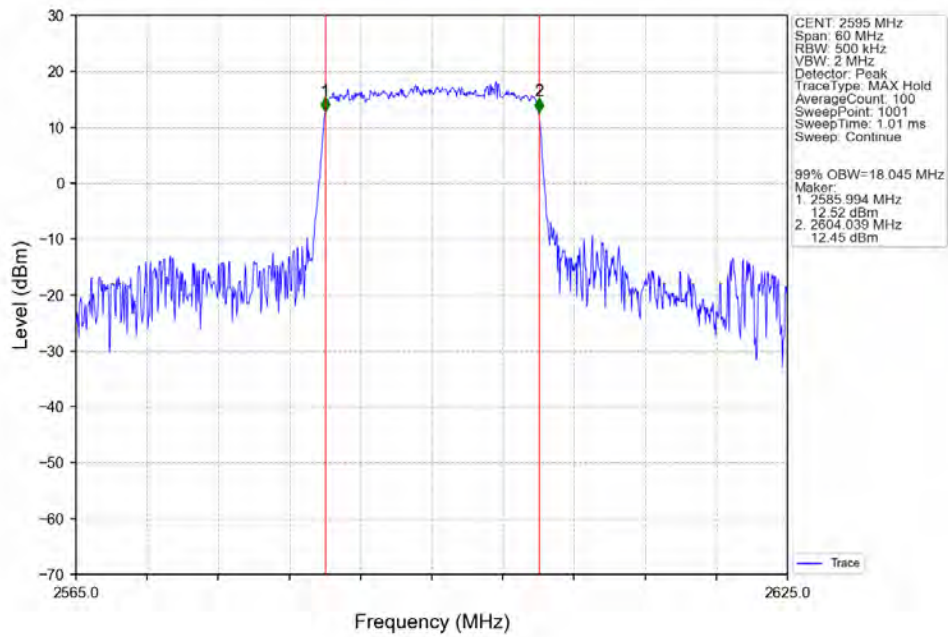
Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



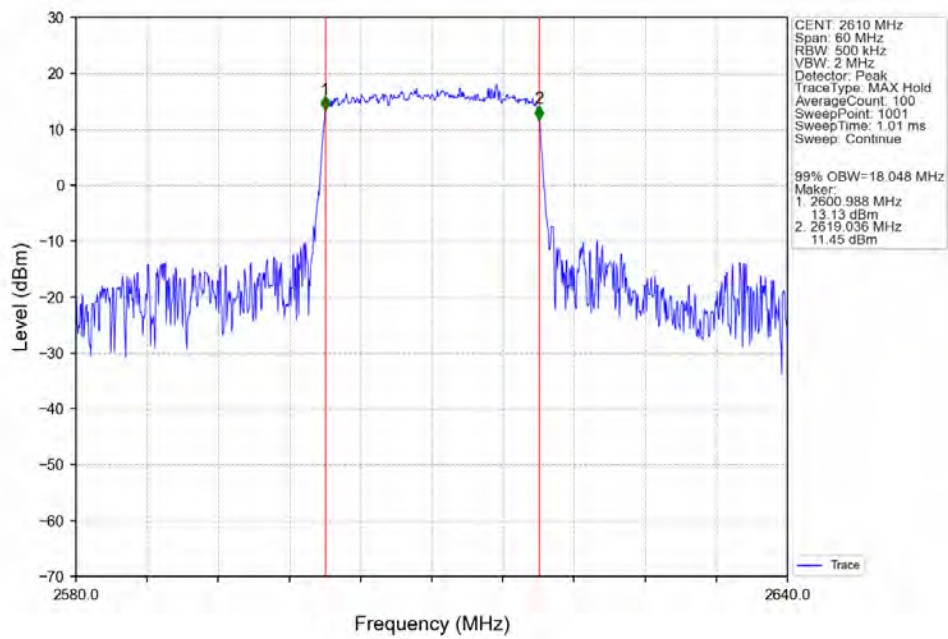
Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



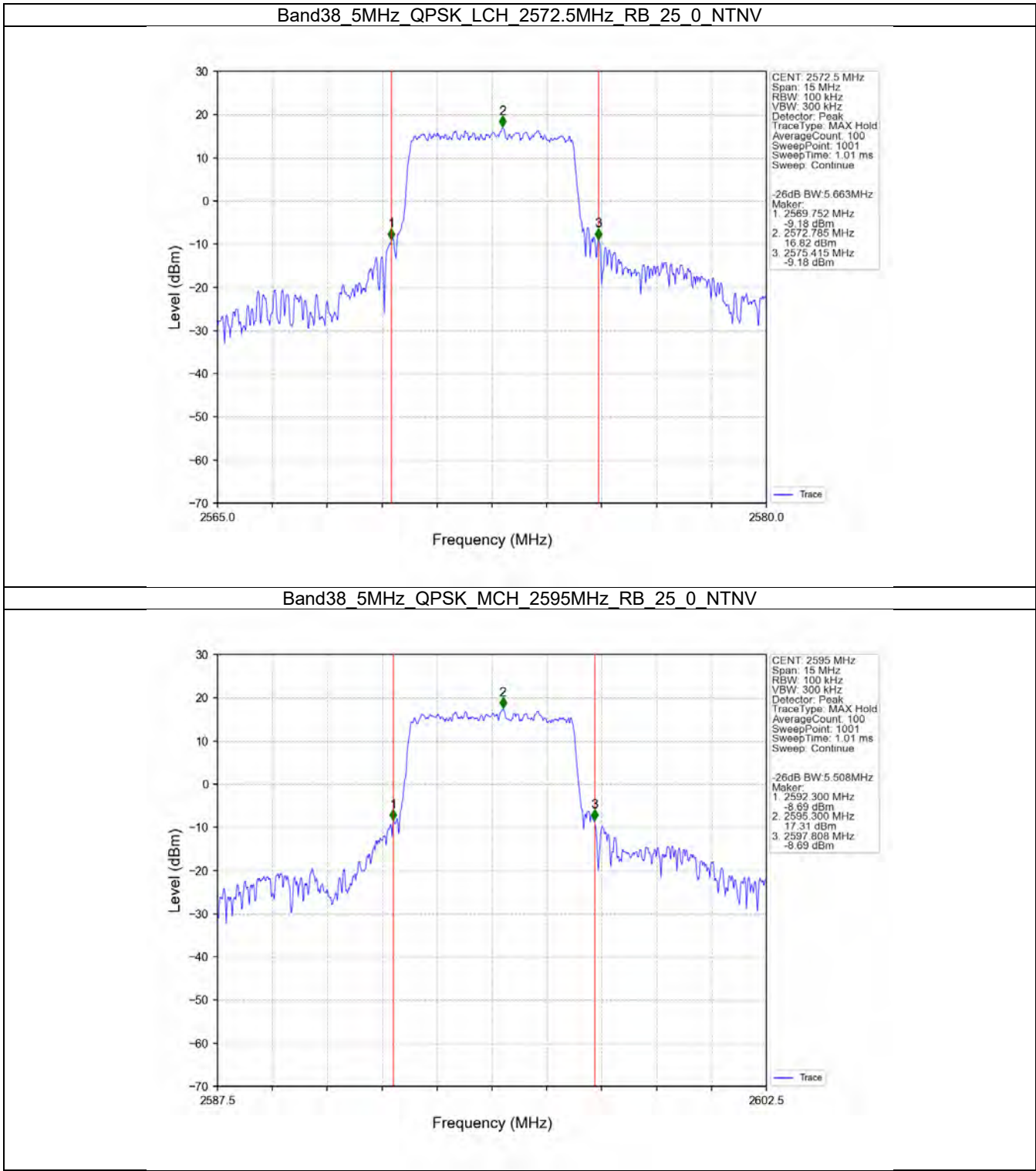
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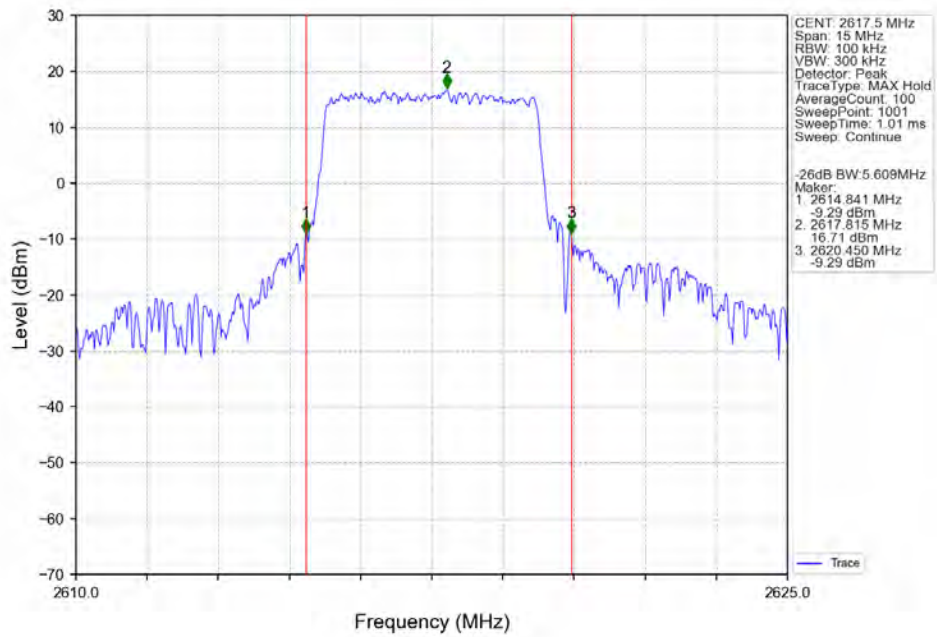
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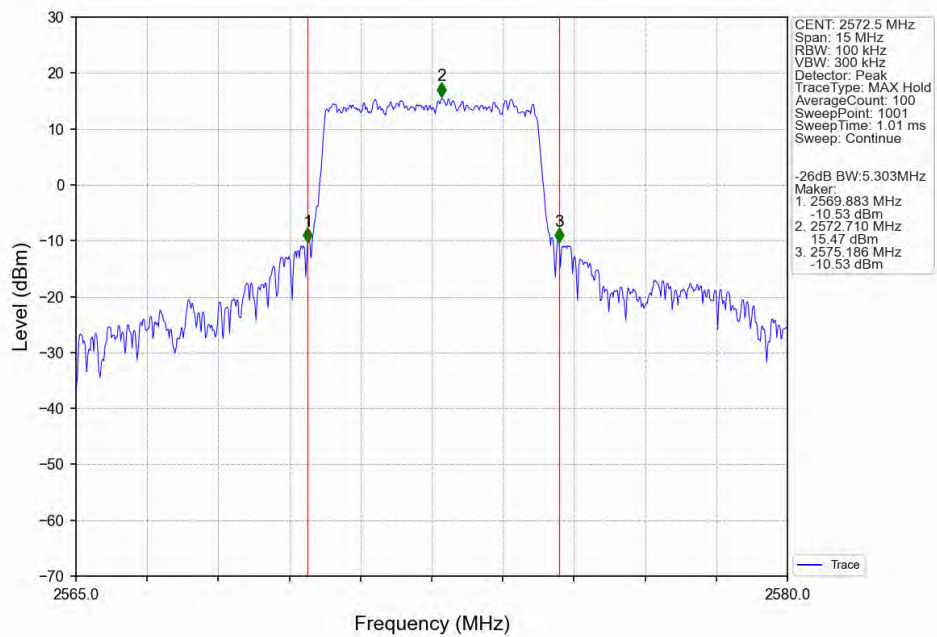
3.2.2 Band38_XDB



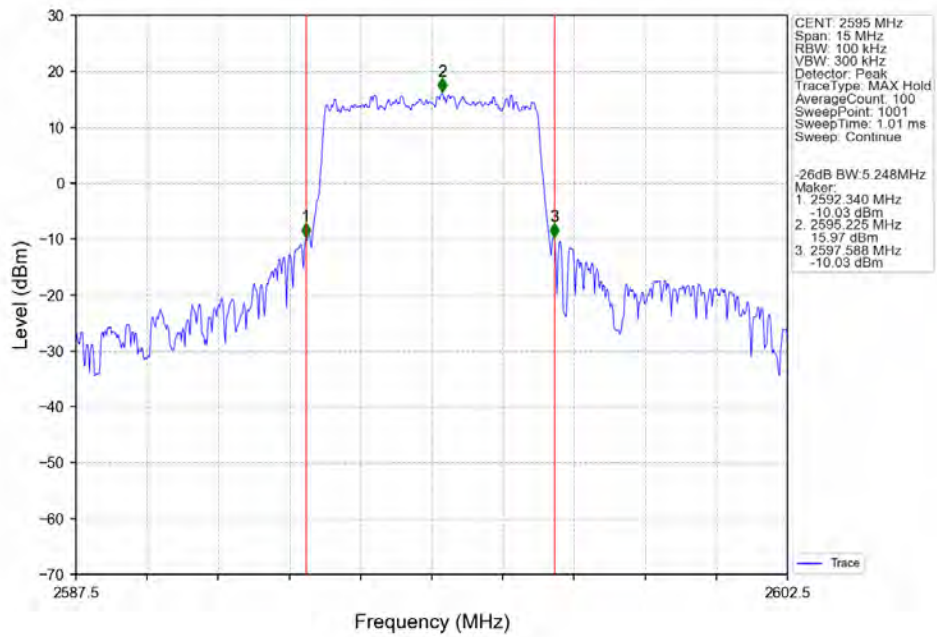
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



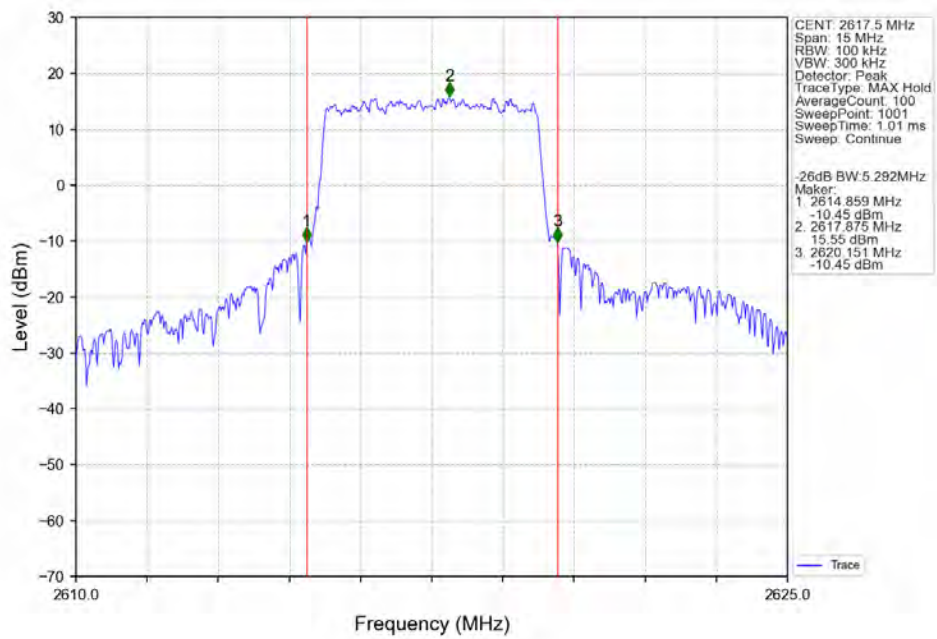
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



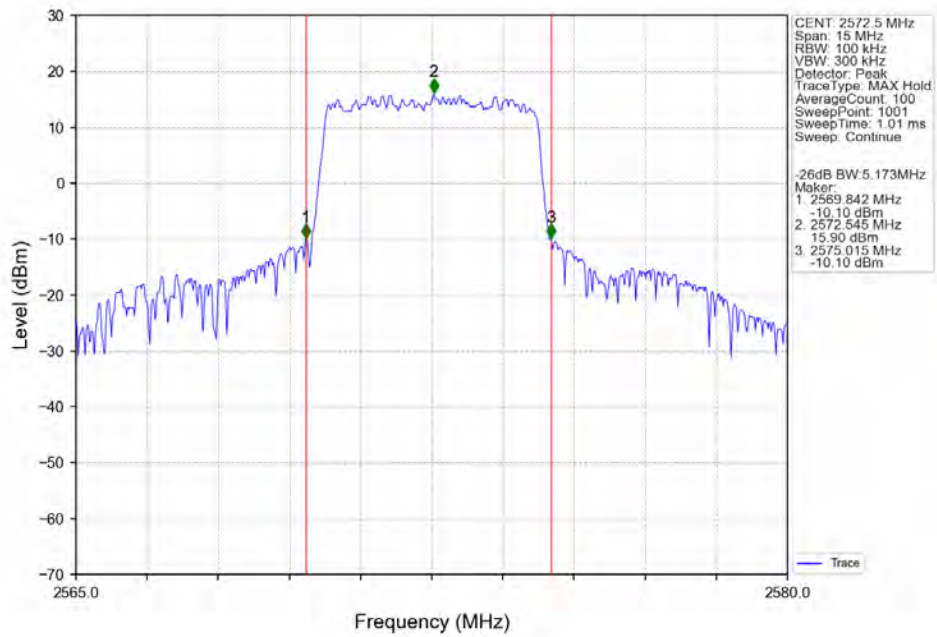
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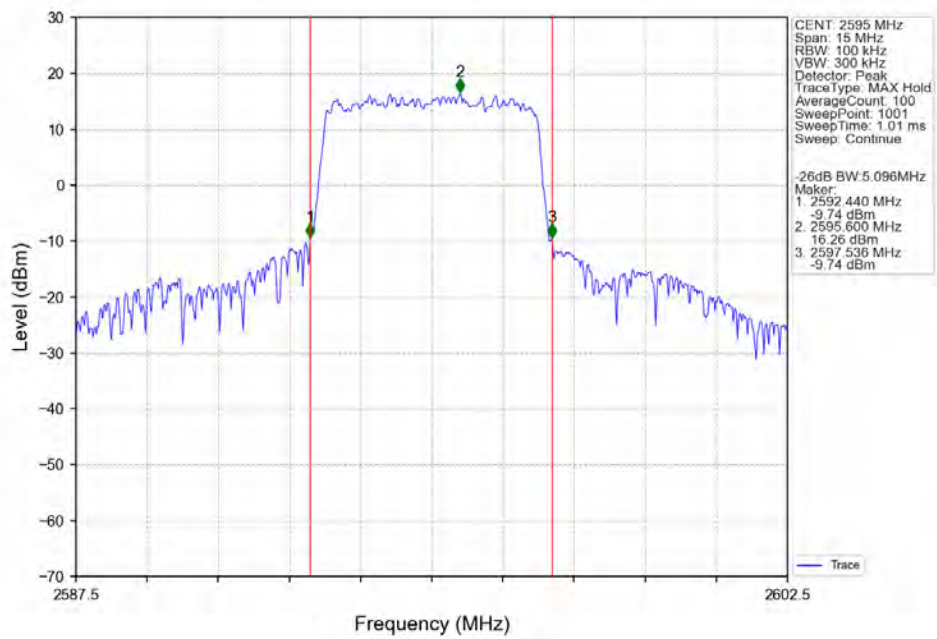
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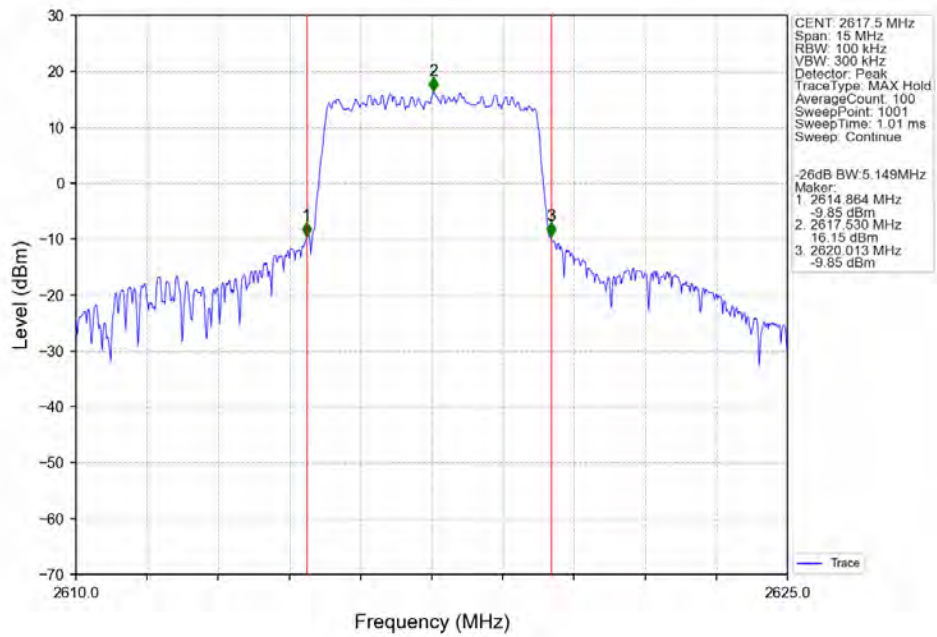
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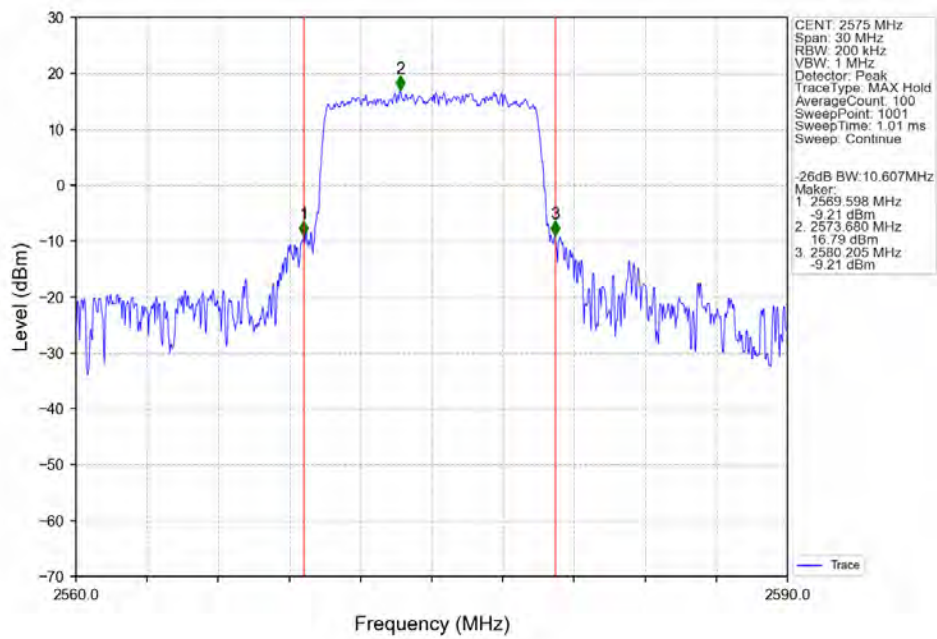
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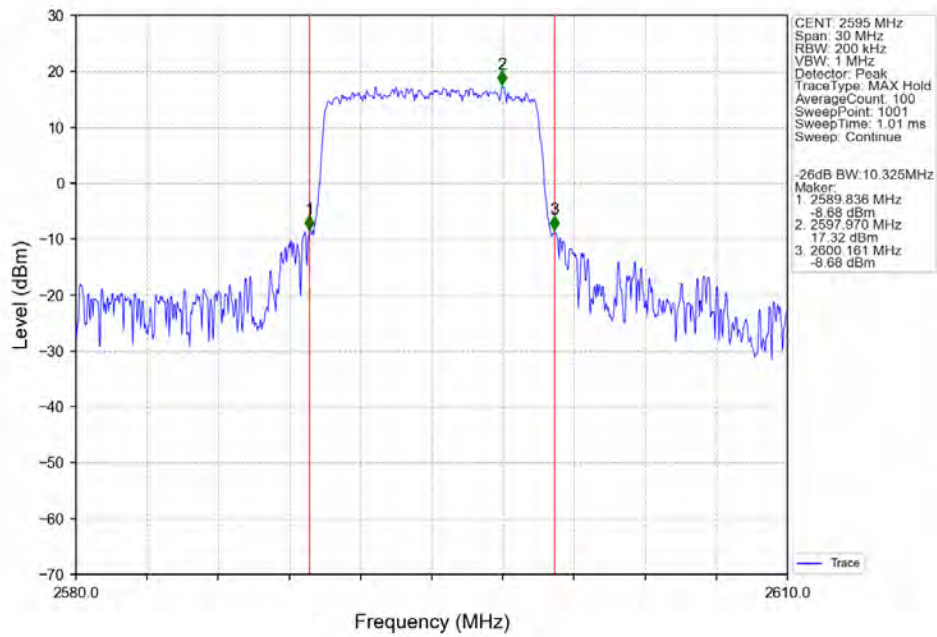
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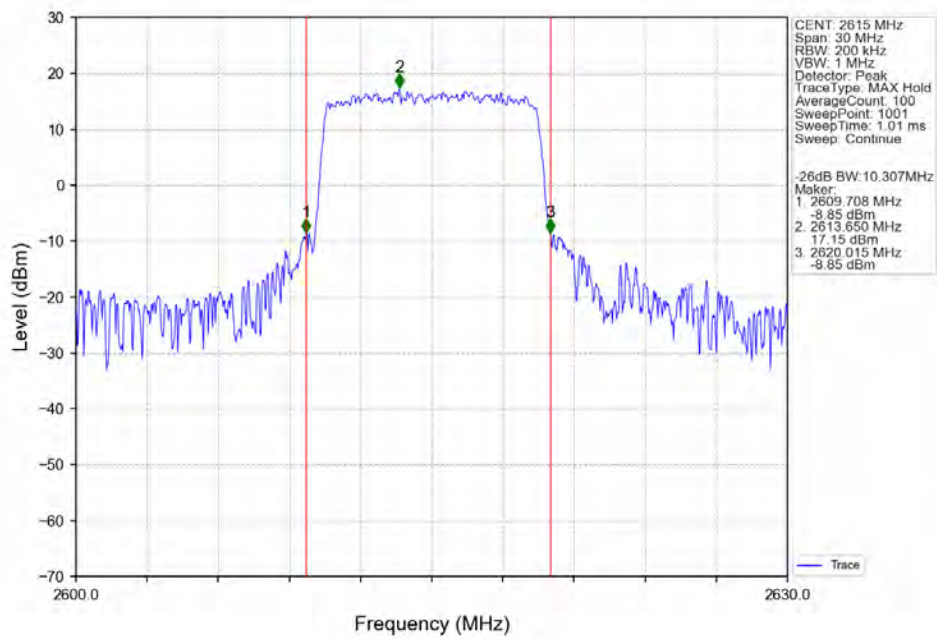
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



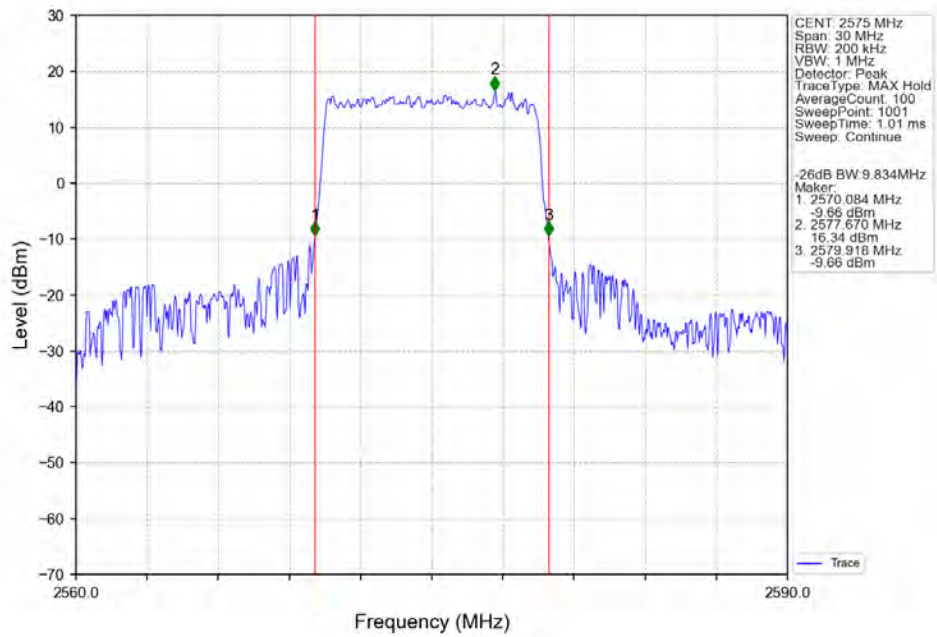
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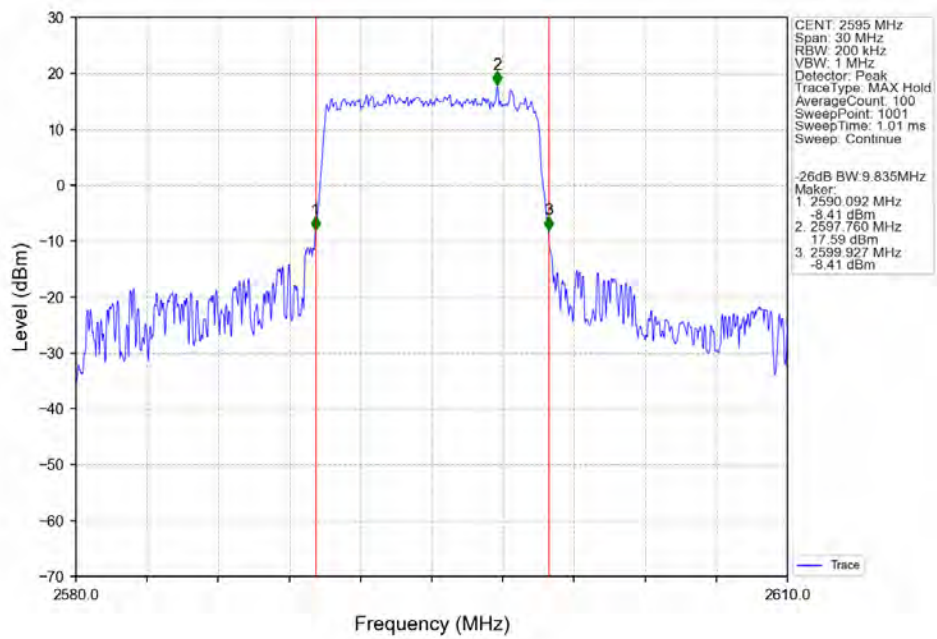
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



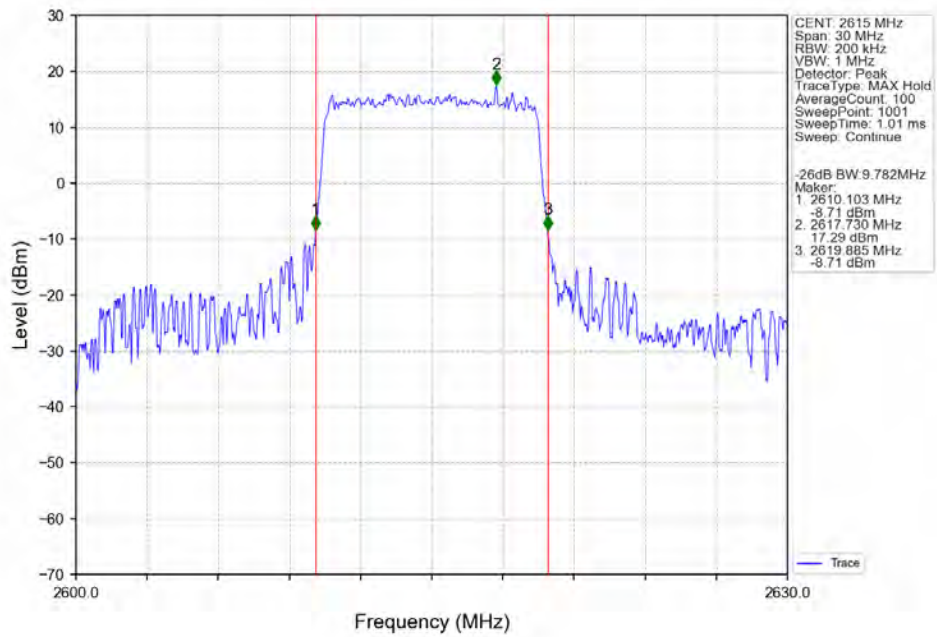
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



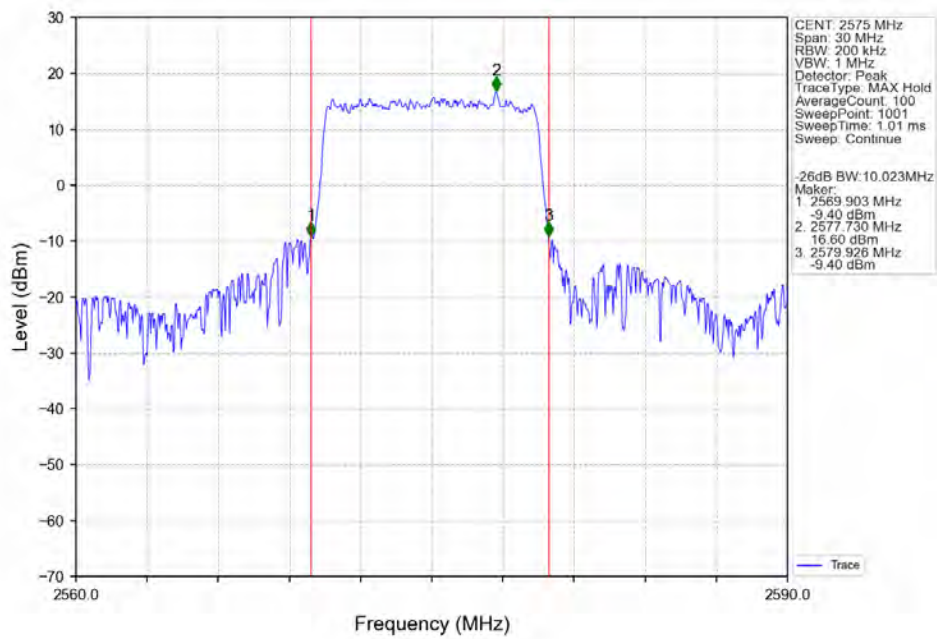
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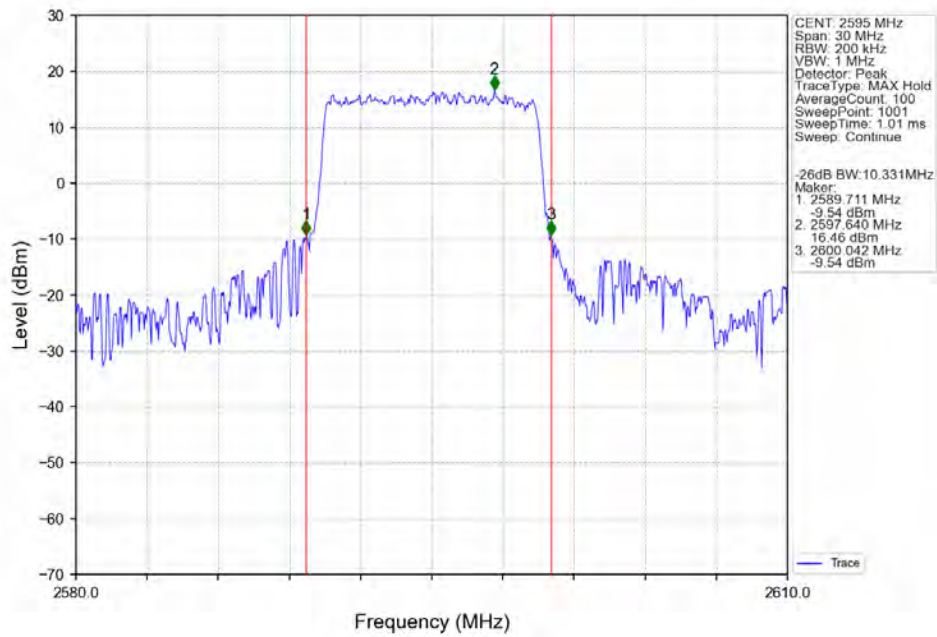
Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



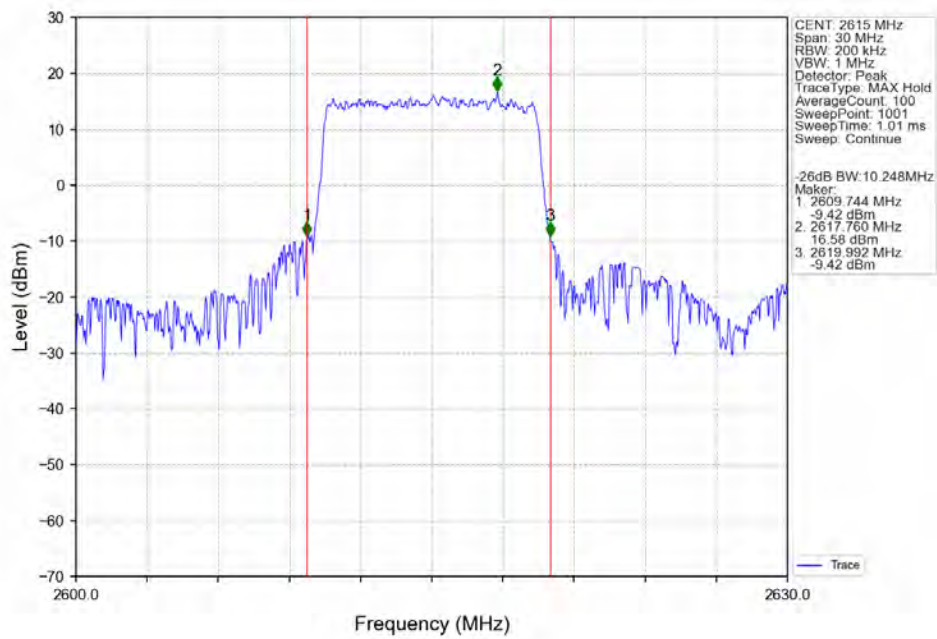
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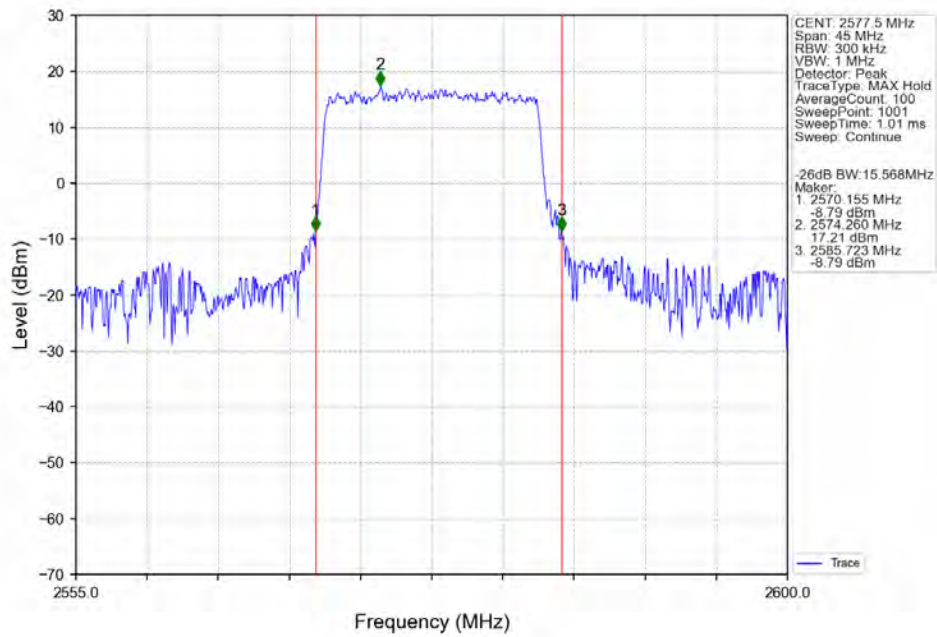
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



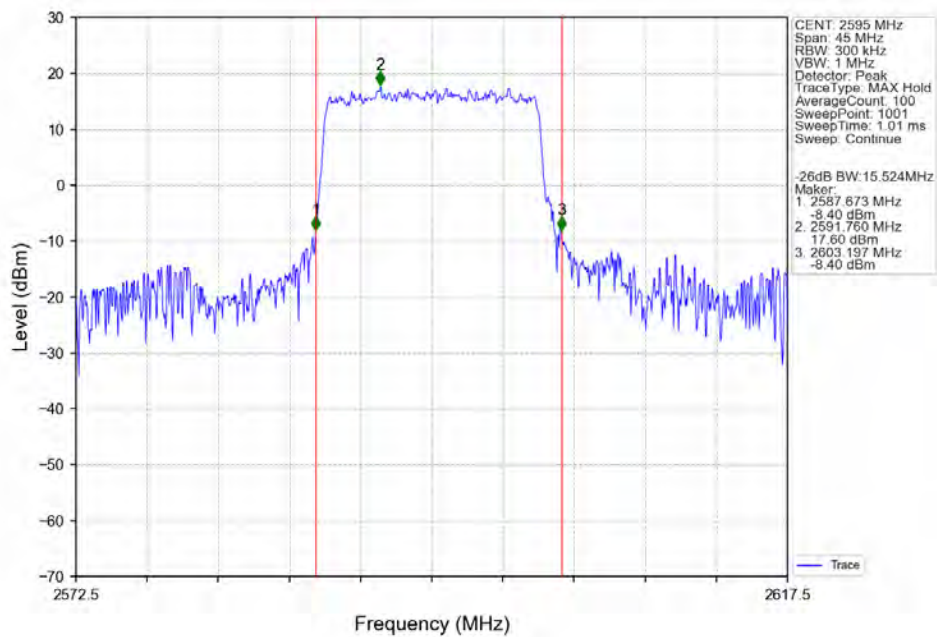
Band38_10MHz_64QAM_HCH_2615MHz_RB_50_0_NTNV



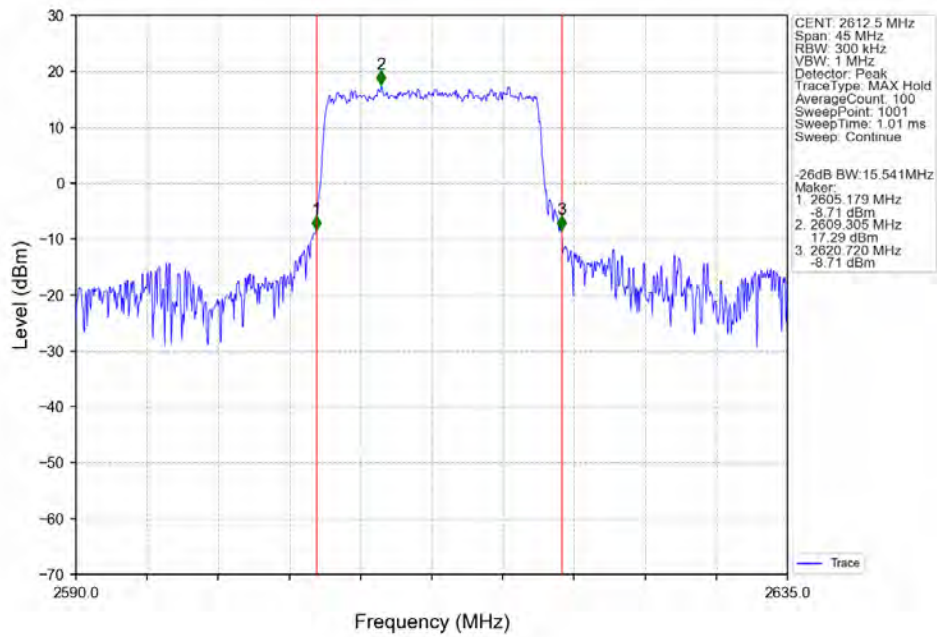
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



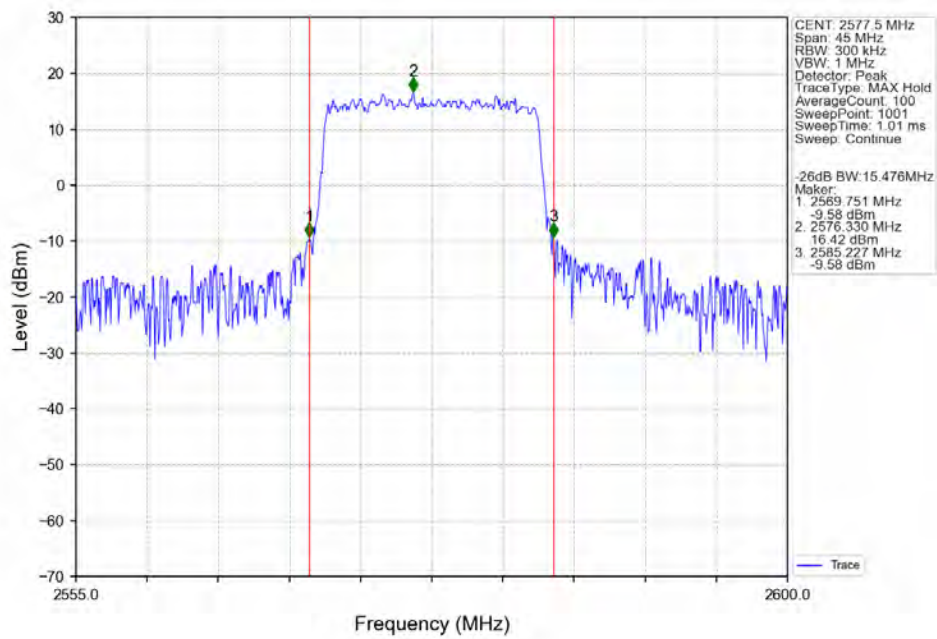
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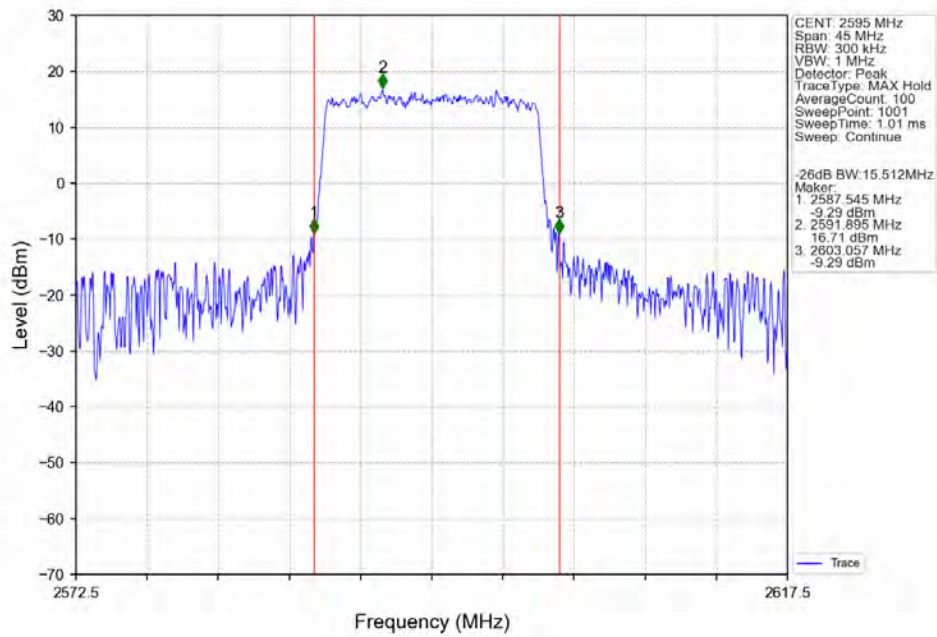
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



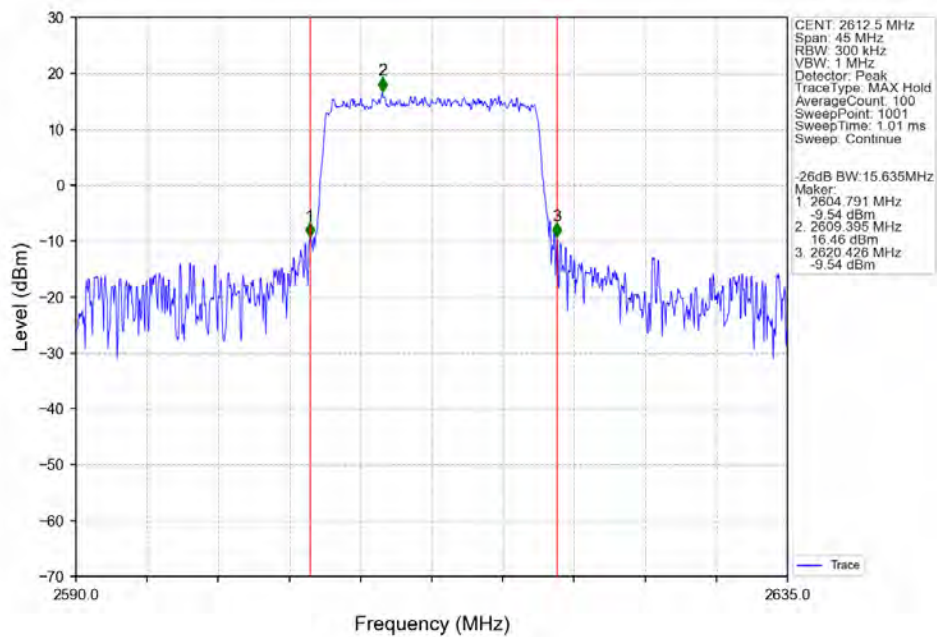
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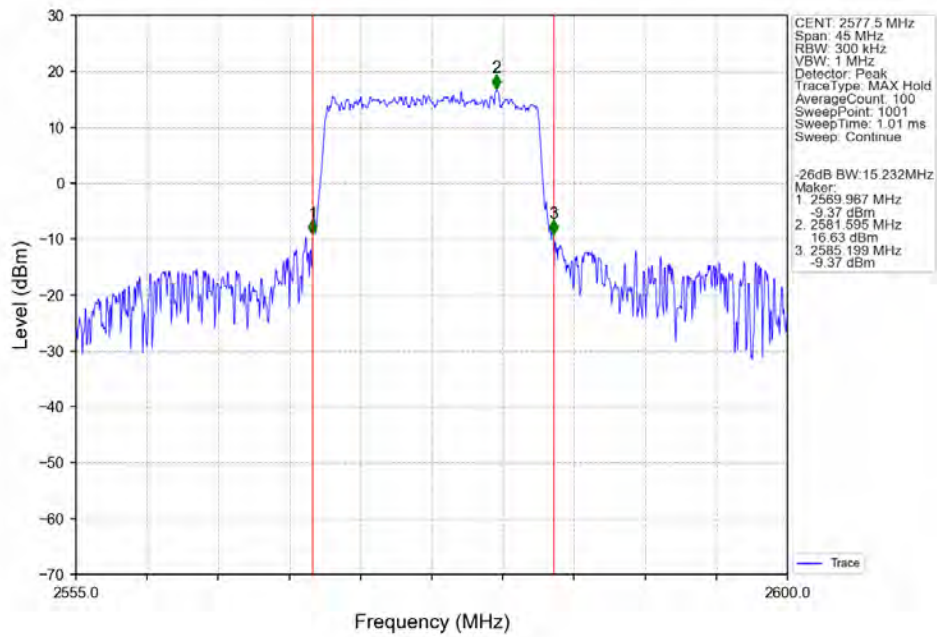
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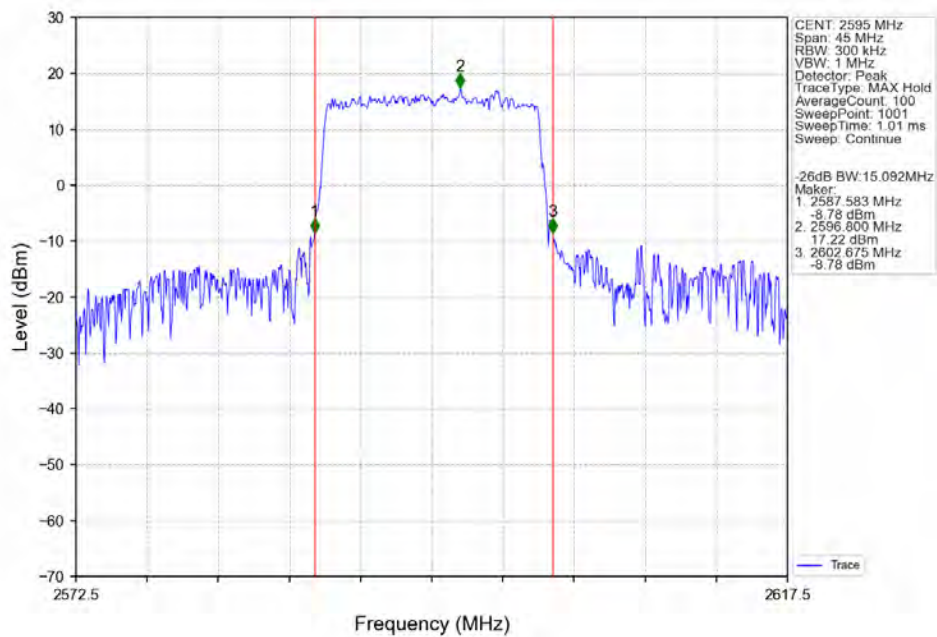
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



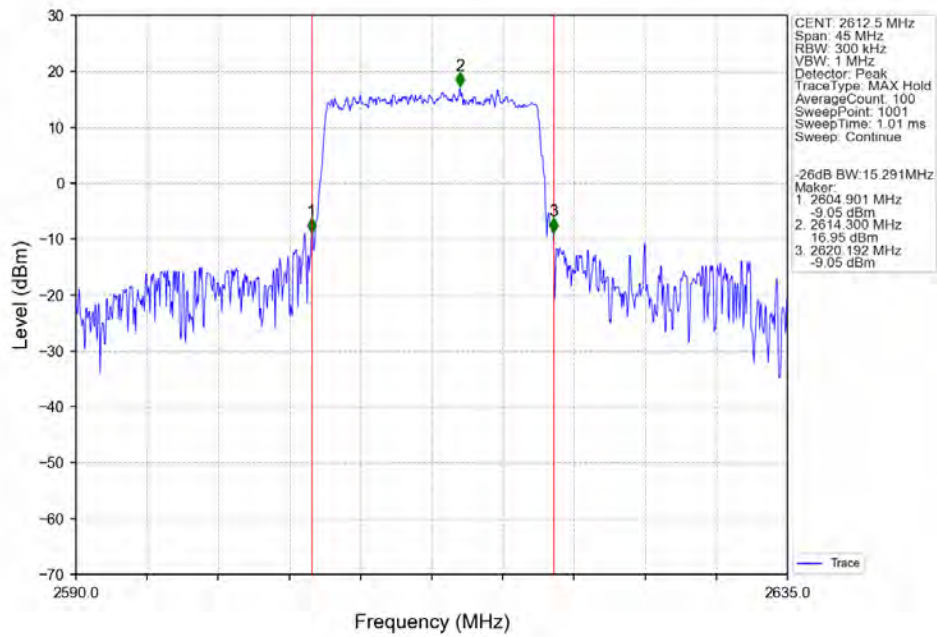
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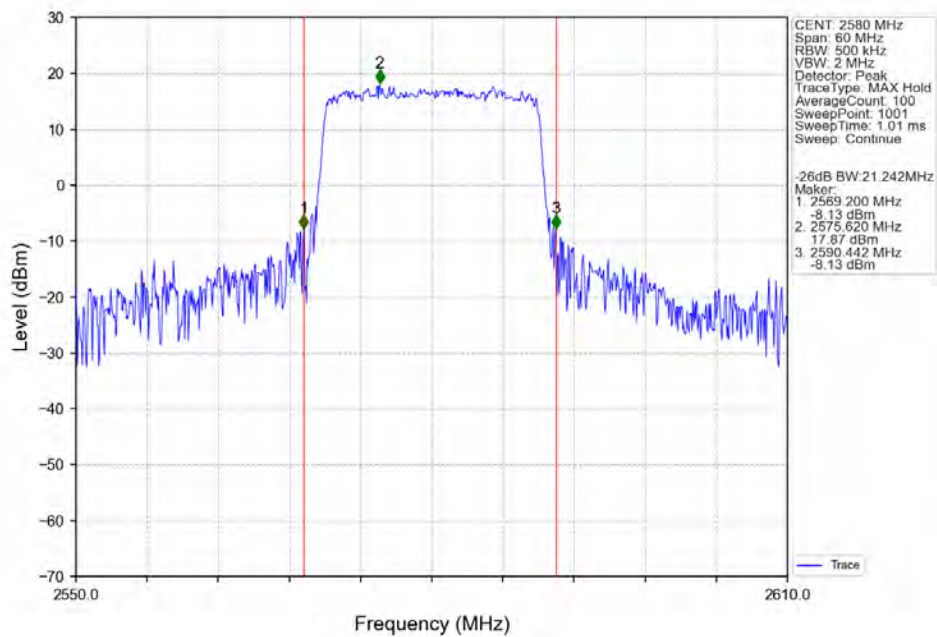
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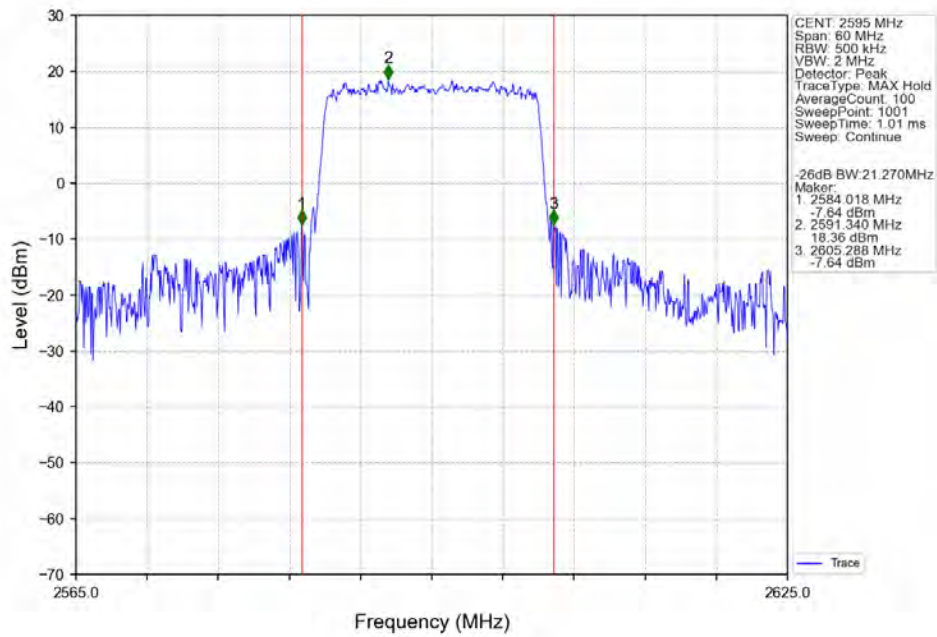
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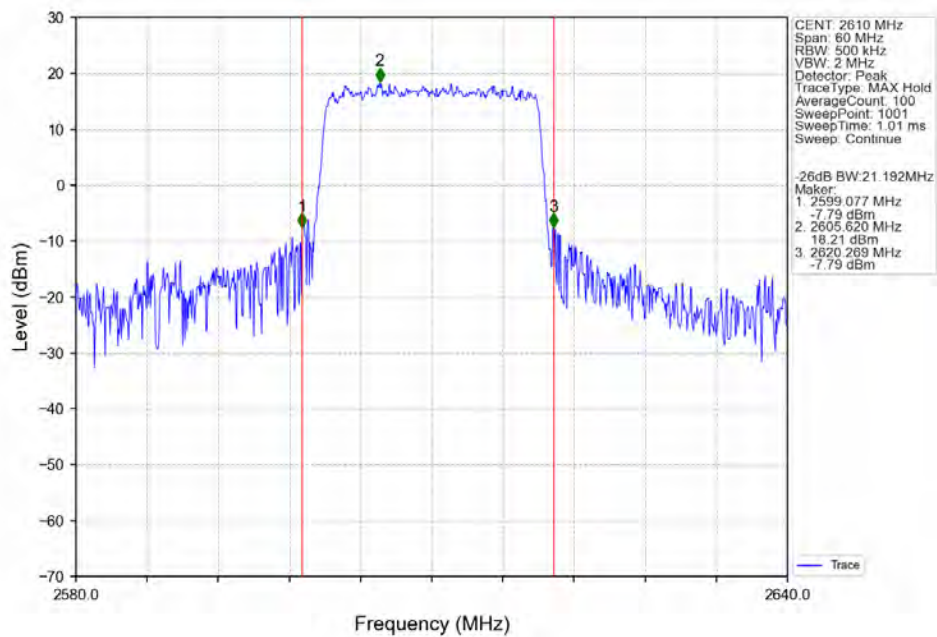
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



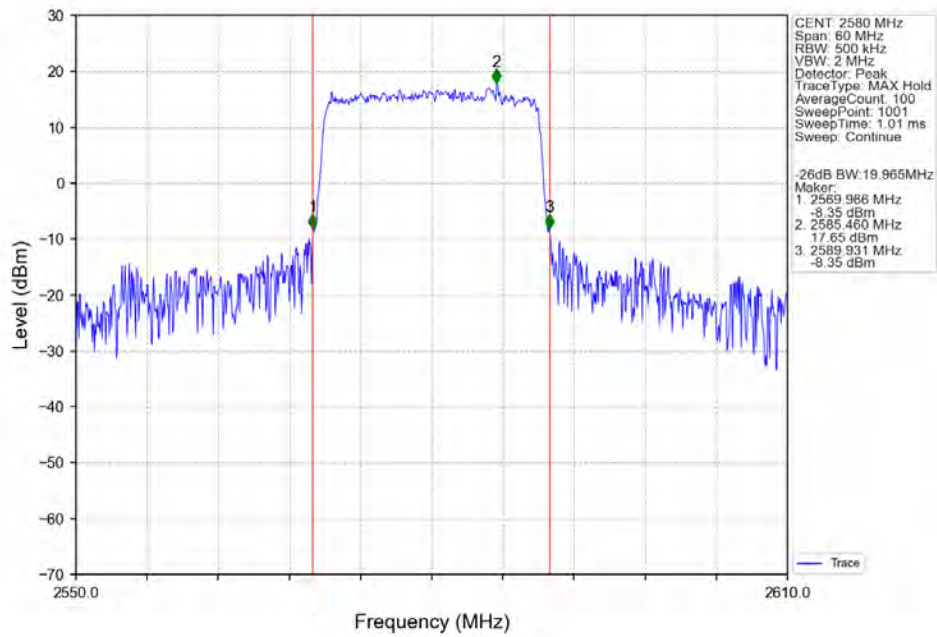
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTN



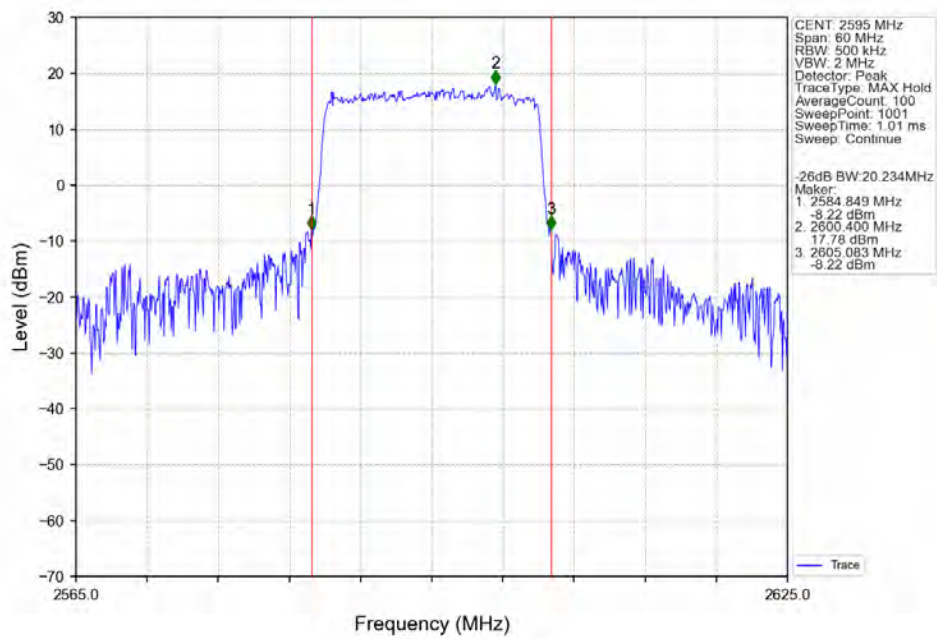
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



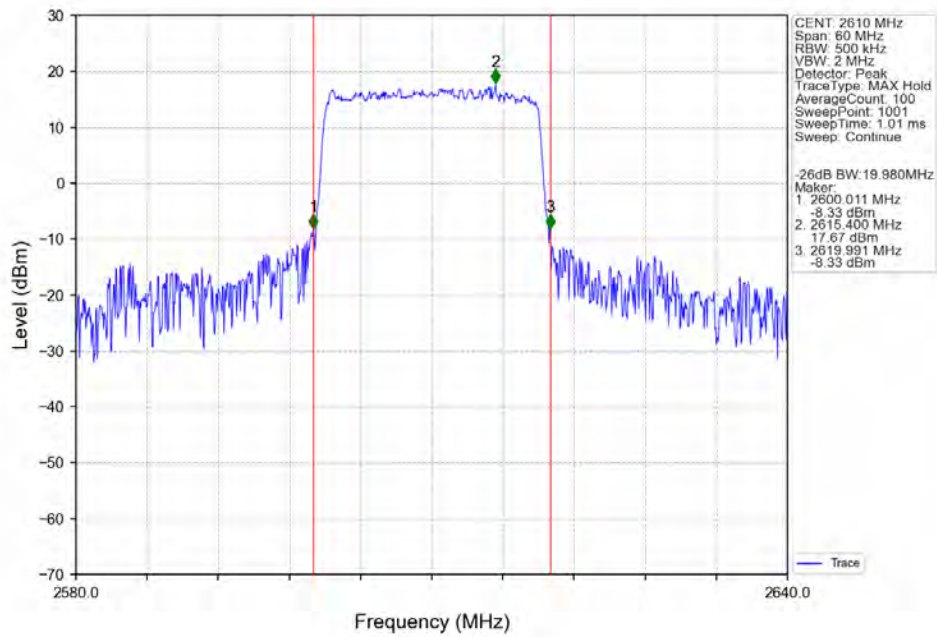
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



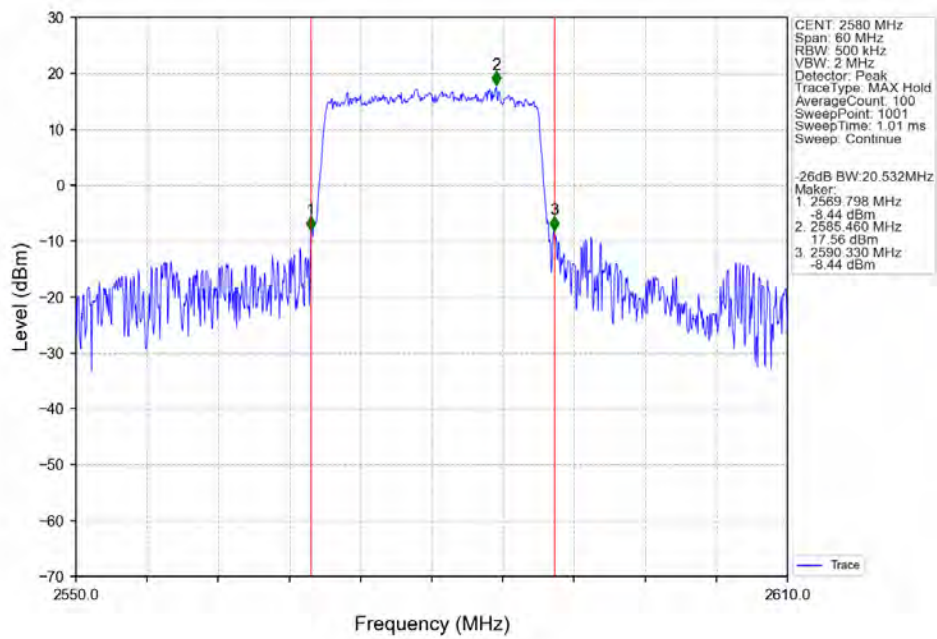
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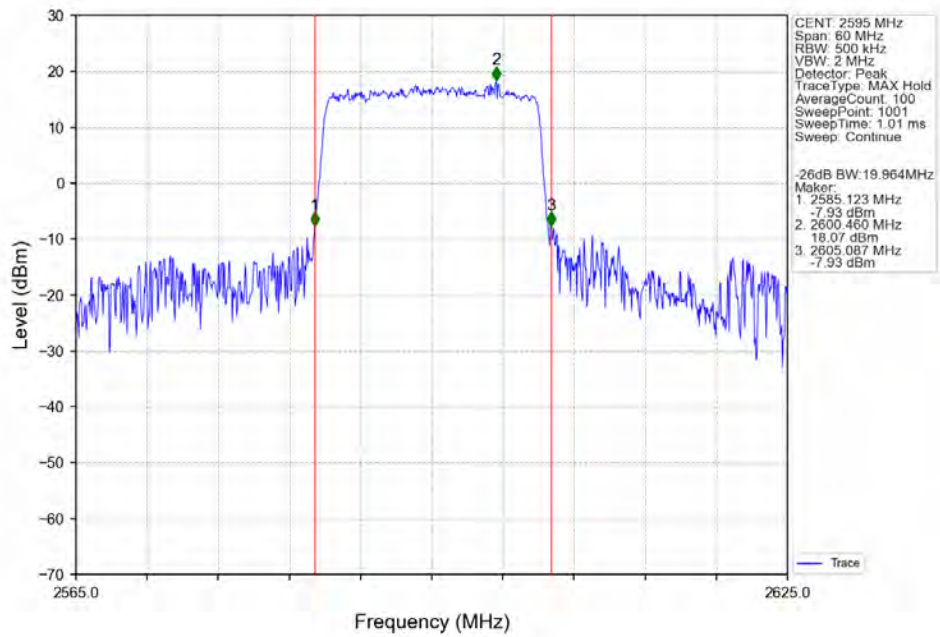
Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



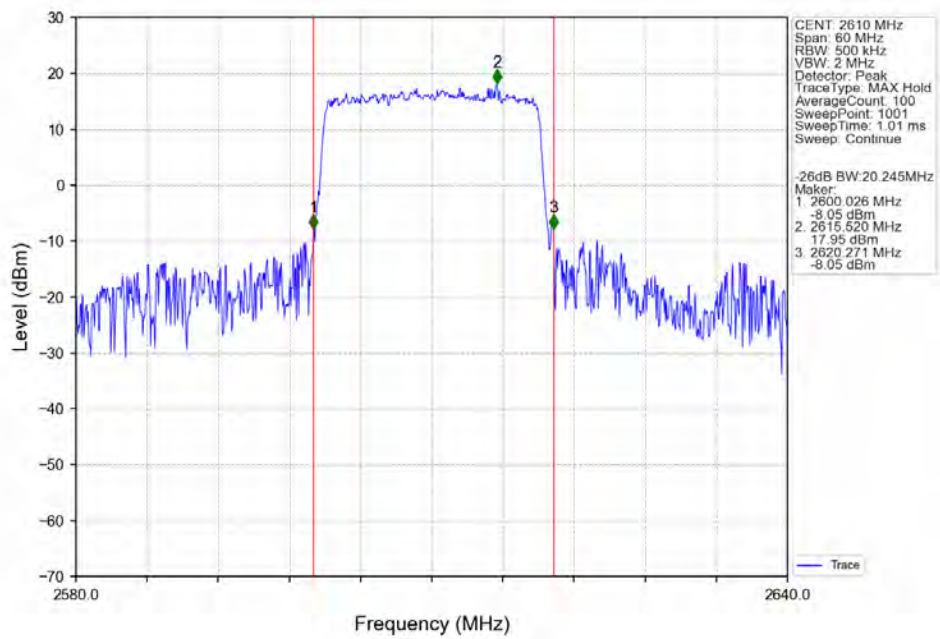
Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_HCH_2610MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	25	0	7.24	<=13	Pass
	2595	25	0	7.16	<=13	Pass
	2617.5	25	0	7.14	<=13	Pass
16QAM	2572.5	25	0	8.00	<=13	Pass
	2595	25	0	7.98	<=13	Pass
	2617.5	25	0	7.96	<=13	Pass
64QAM	2572.5	25	0	8.00	<=13	Pass
	2595	25	0	7.98	<=13	Pass
	2617.5	25	0	7.96	<=13	Pass

4.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	50	0	7.24	<=13	Pass
	2595	50	0	7.22	<=13	Pass
	2615	50	0	7.22	<=13	Pass
16QAM	2575	50	0	8.06	<=13	Pass
	2595	50	0	8.02	<=13	Pass
	2615	50	0	7.94	<=13	Pass
64QAM	2575	50	0	8.04	<=13	Pass
	2595	50	0	7.94	<=13	Pass
	2615	50	0	8.04	<=13	Pass

4.1.3 B38_15MHz

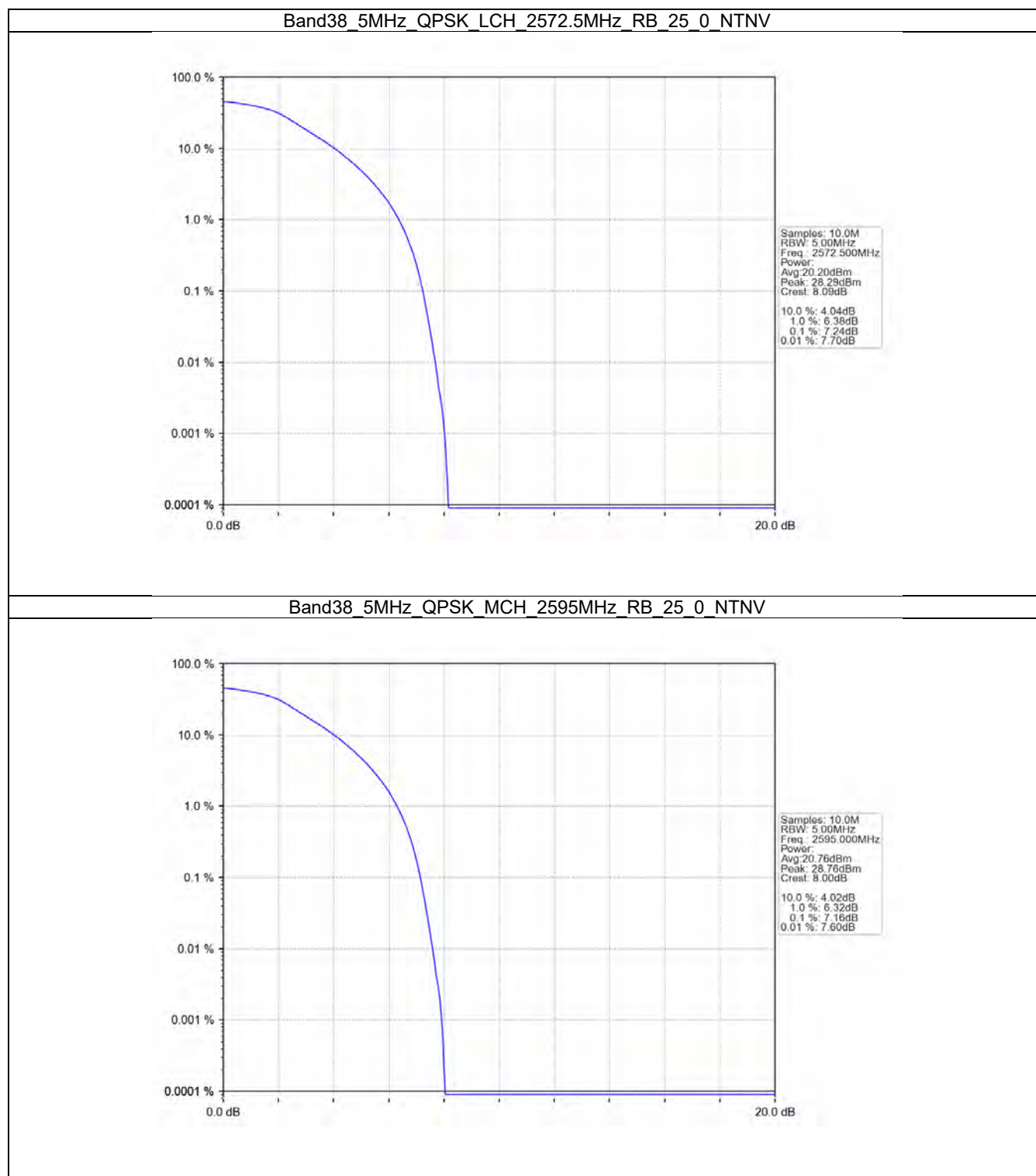
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	75	0	7.30	<=13	Pass
	2595	75	0	7.28	<=13	Pass
	2612.5	75	0	7.16	<=13	Pass
16QAM	2577.5	75	0	8.14	<=13	Pass
	2595	75	0	7.86	<=13	Pass
	2612.5	75	0	8.08	<=13	Pass
64QAM	2577.5	75	0	8.04	<=13	Pass
	2595	75	0	8.02	<=13	Pass
	2612.5	75	0	7.82	<=13	Pass

4.1.4 B38_20MHz

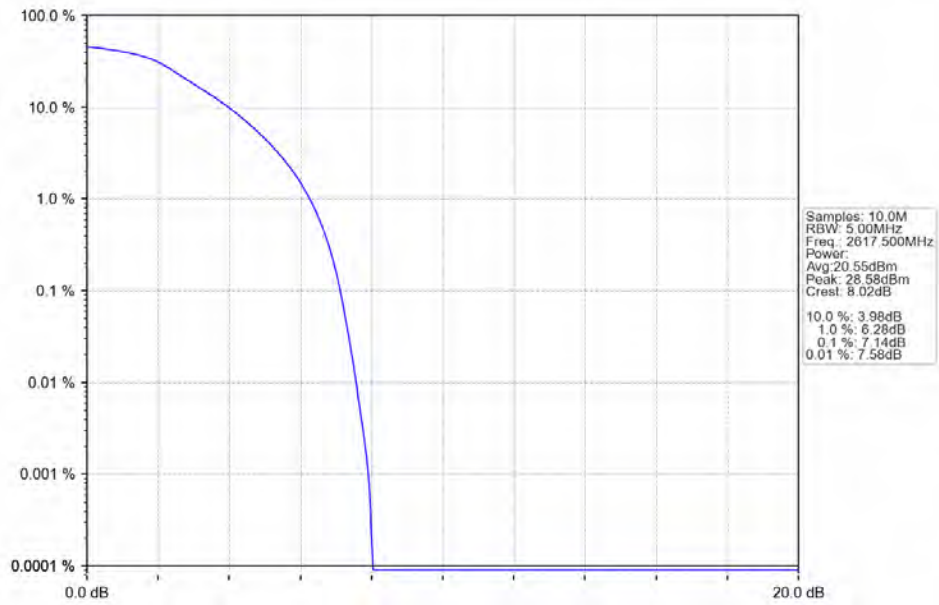
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	7.26	<=13	Pass
	2595	100	0	7.06	<=13	Pass
	2610	100	0	7.14	<=13	Pass
16QAM	2580	100	0	8.18	<=13	Pass
	2595	100	0	7.88	<=13	Pass
	2610	100	0	7.96	<=13	Pass
64QAM	2580	100	0	8.18	<=13	Pass
	2595	100	0	7.90	<=13	Pass
	2610	100	0	7.96	<=13	Pass

4.2 Test Graph

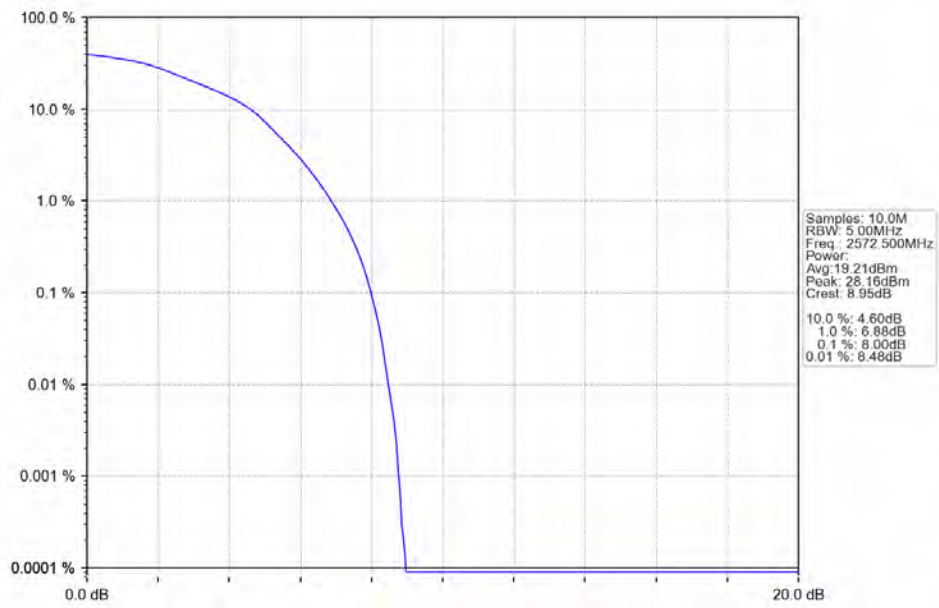
4.2.1 B38_5MHz



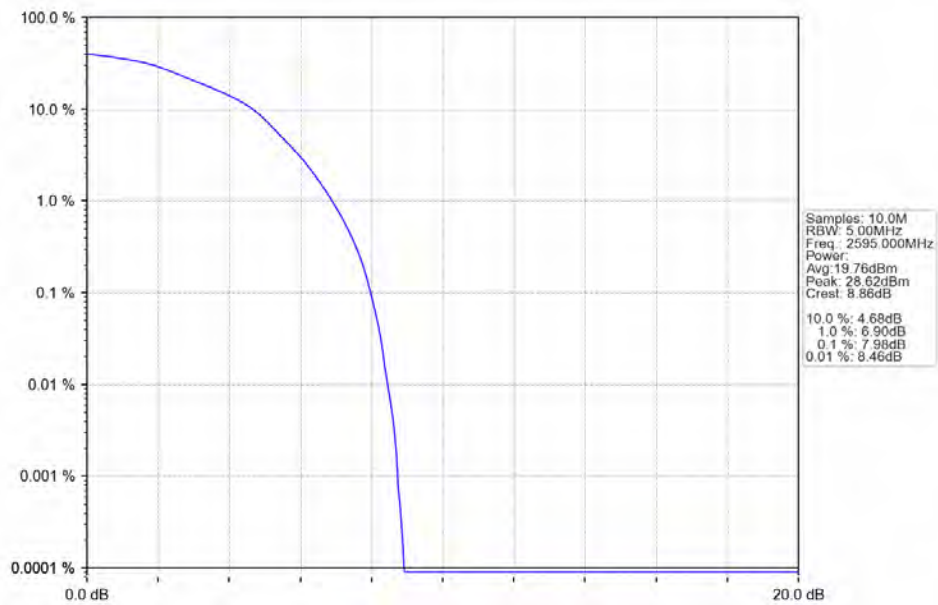
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



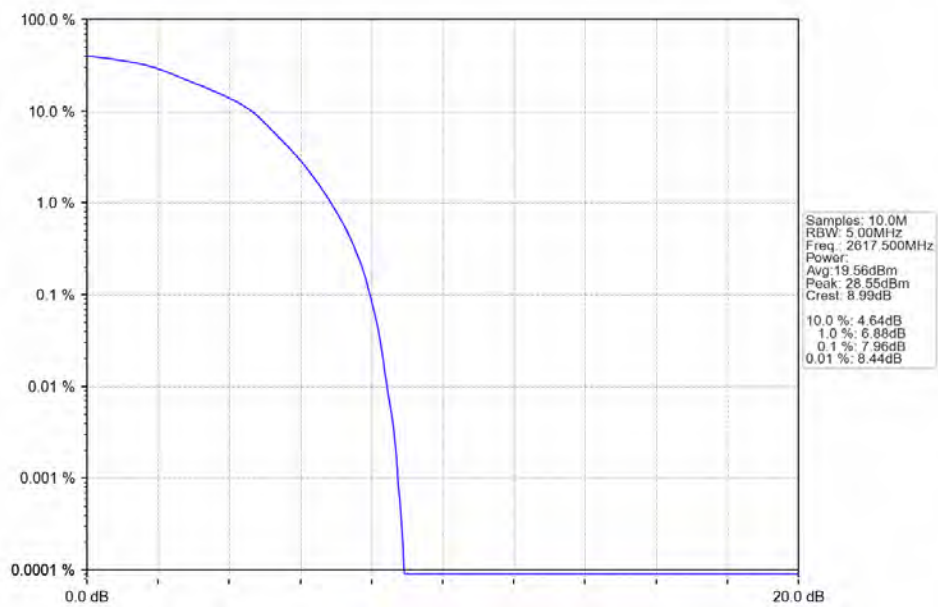
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



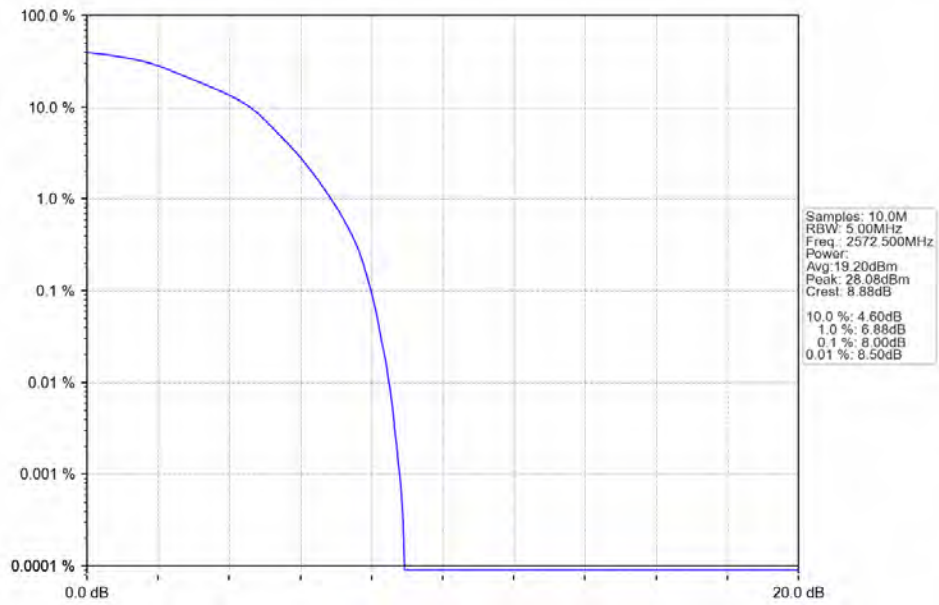
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



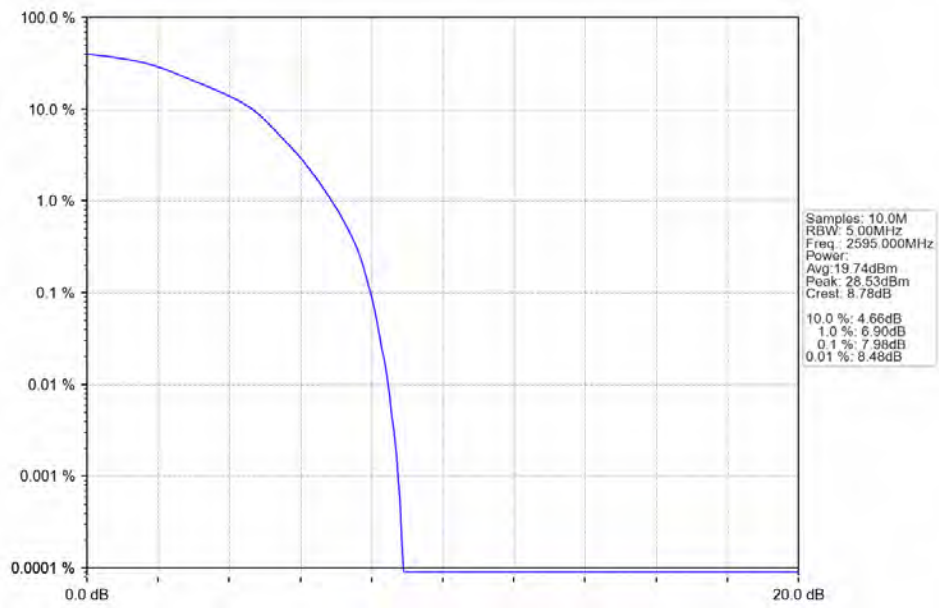
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



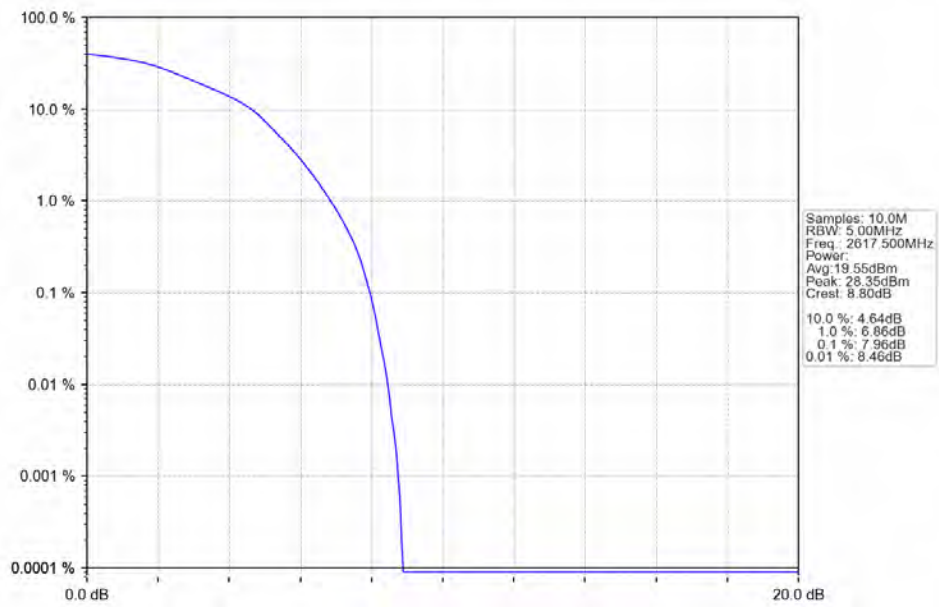
Band38_5MHz_64QAM_LCH_2572.5MHz_RB_25_0_NTNV



Band38_5MHz_64QAM_MCH_2595MHz_RB_25_0_NTNV

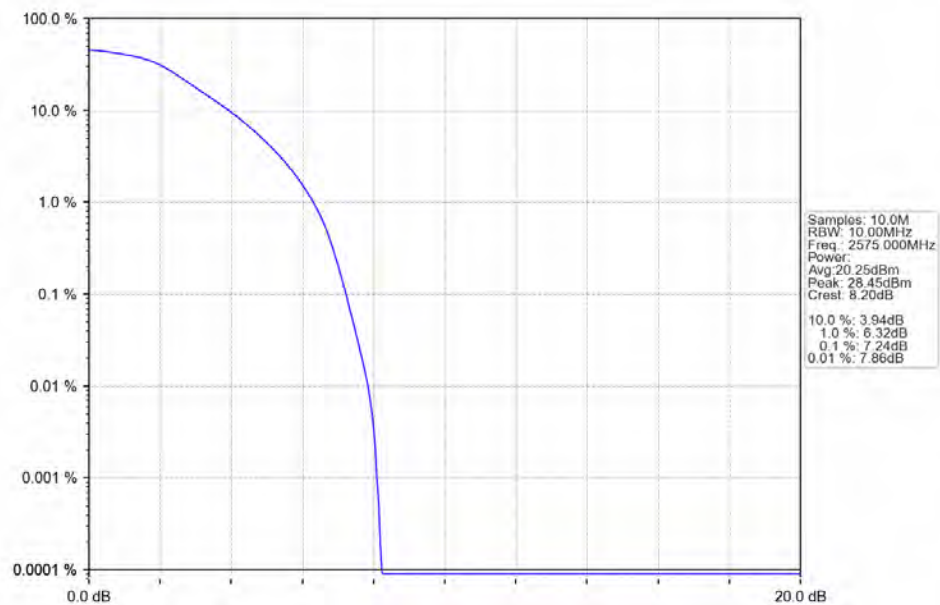


Band38_5MHz_64QAM_HCH_2617.5MHz_RB_25_0_NTNV

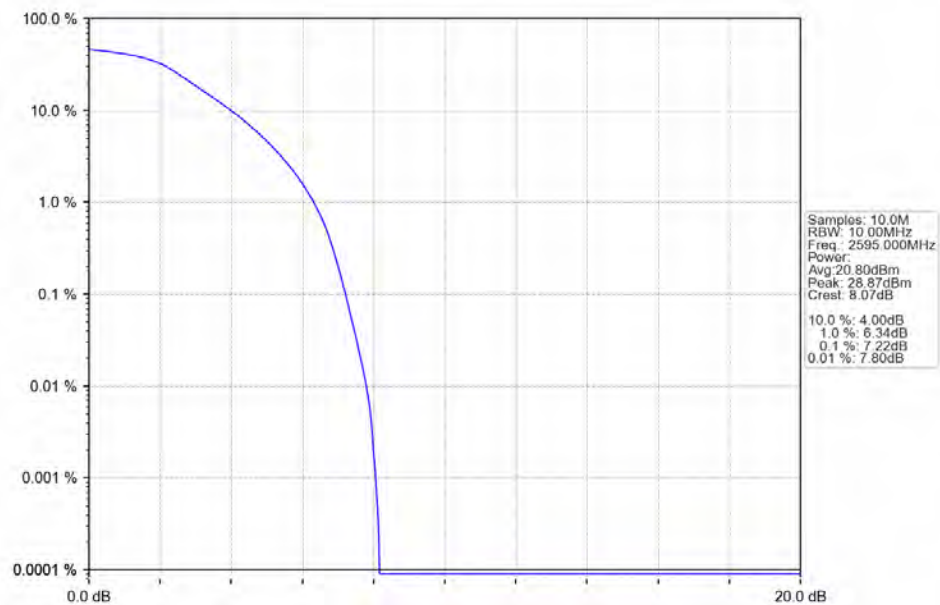


4.2.2 B38_10MHz

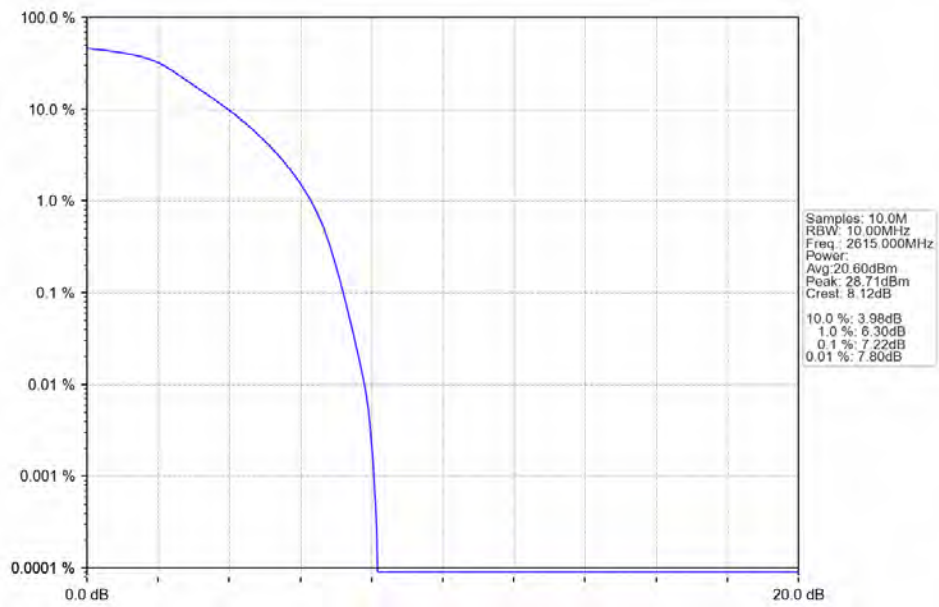
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



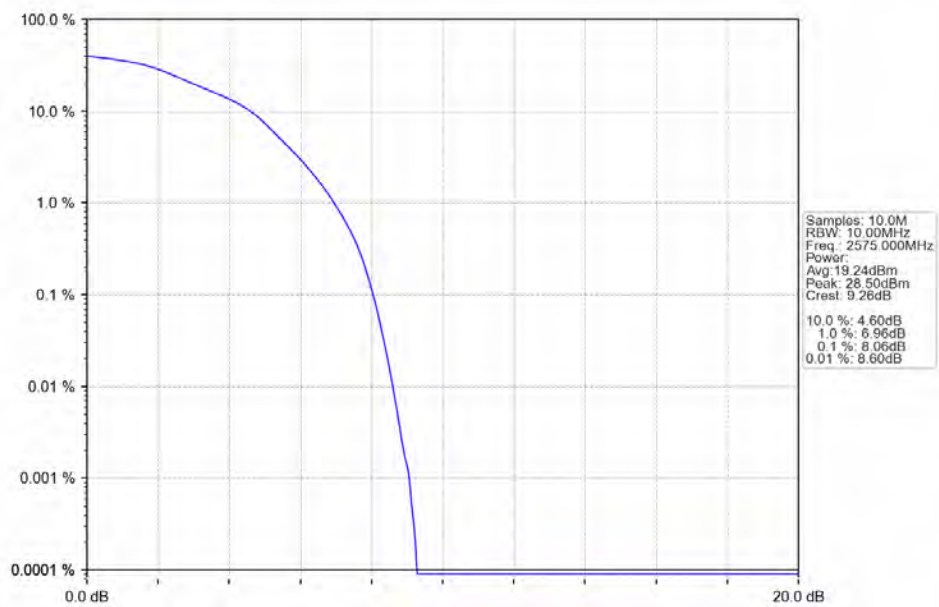
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



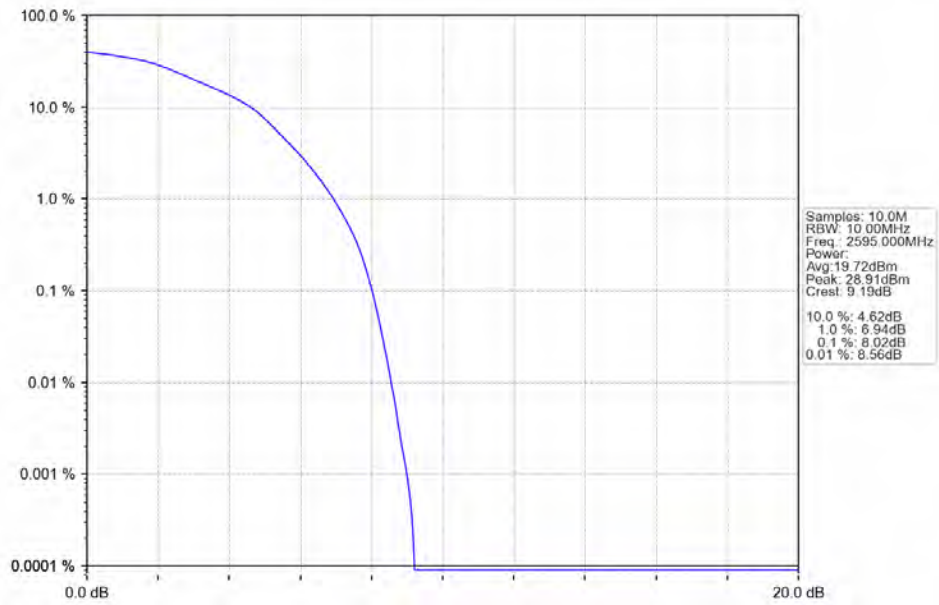
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



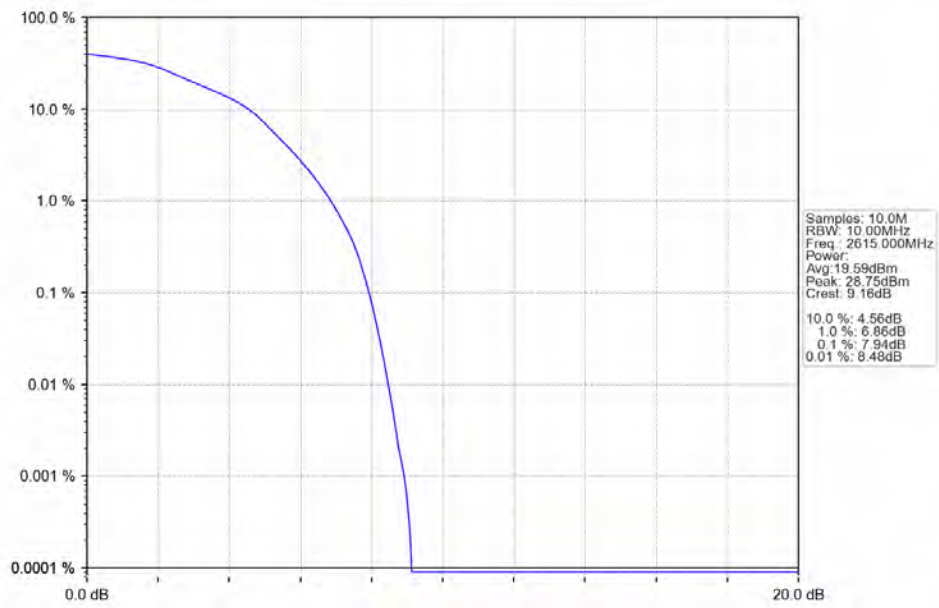
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



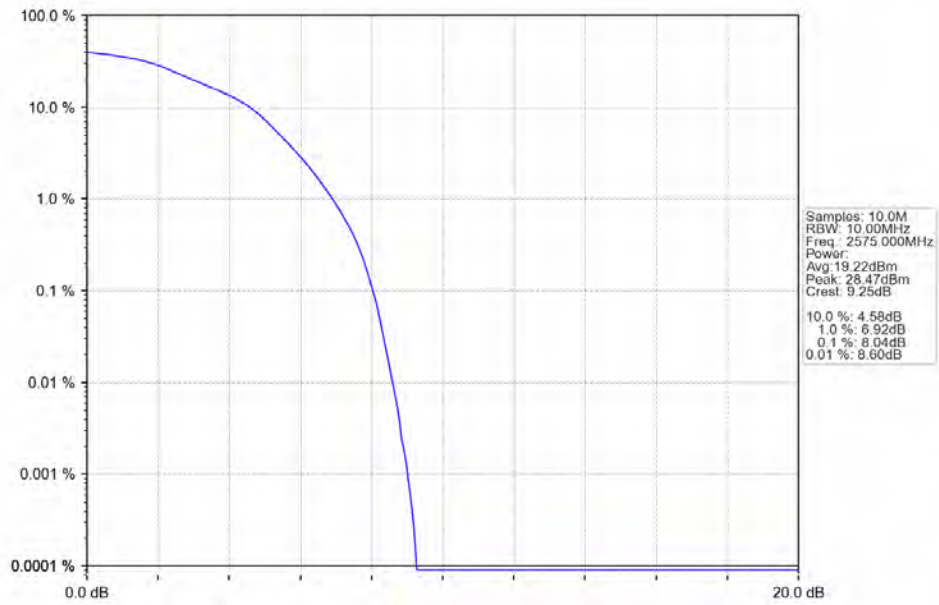
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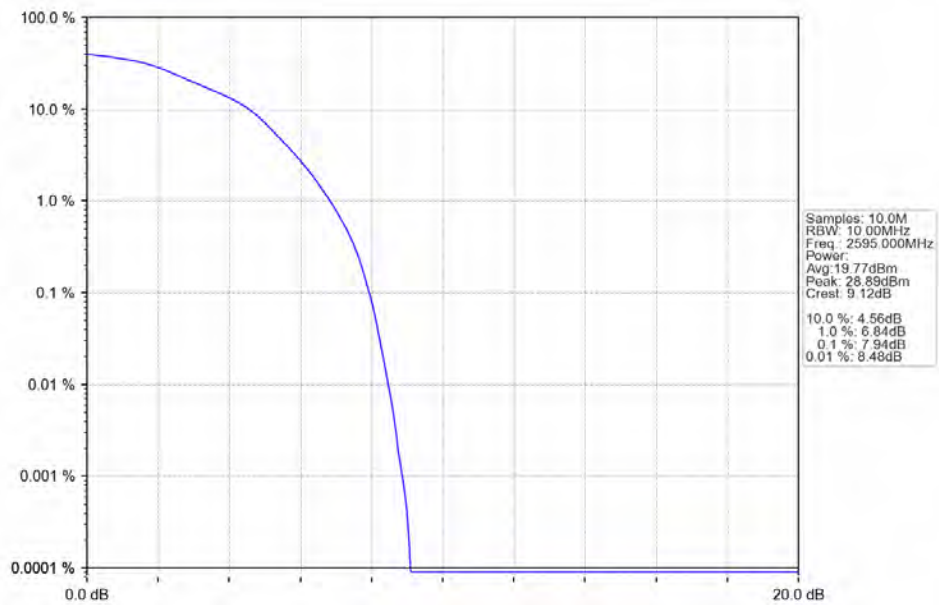
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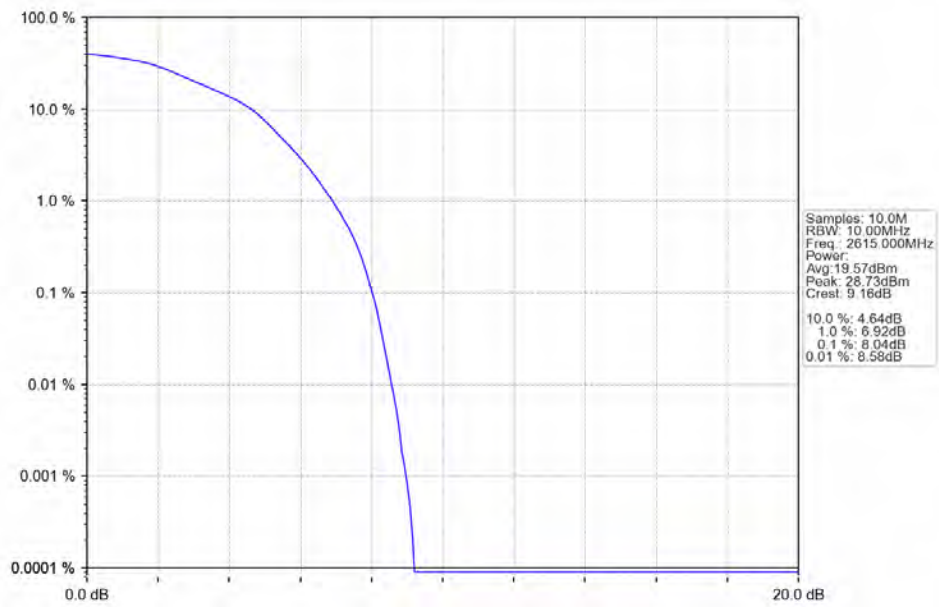
Band38_10MHz_64QAM_LCH_2575MHz_RB_50_0_NTNV



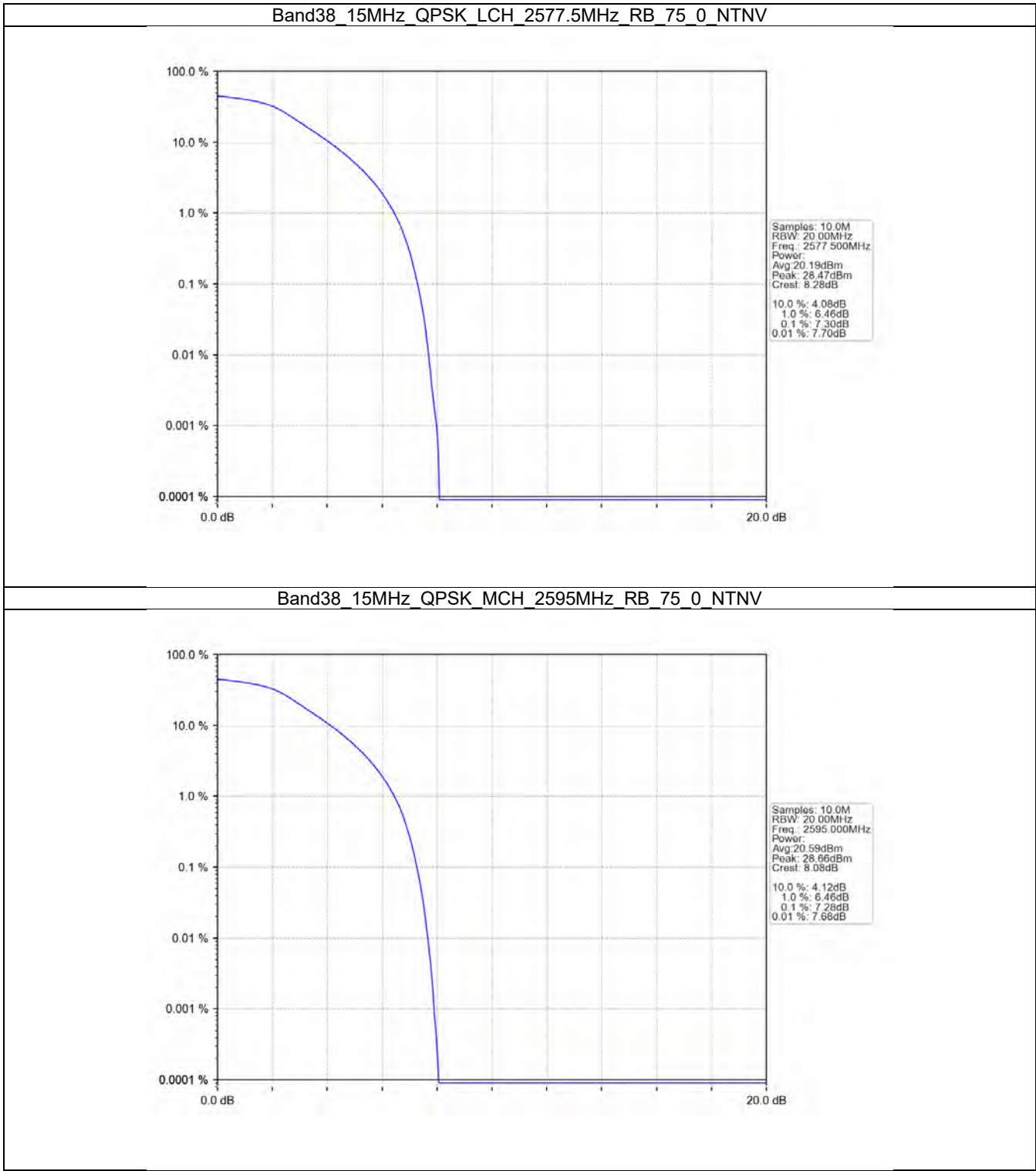
Band38_10MHz_64QAM_MCH_2595MHz_RB_50_0_NTNV



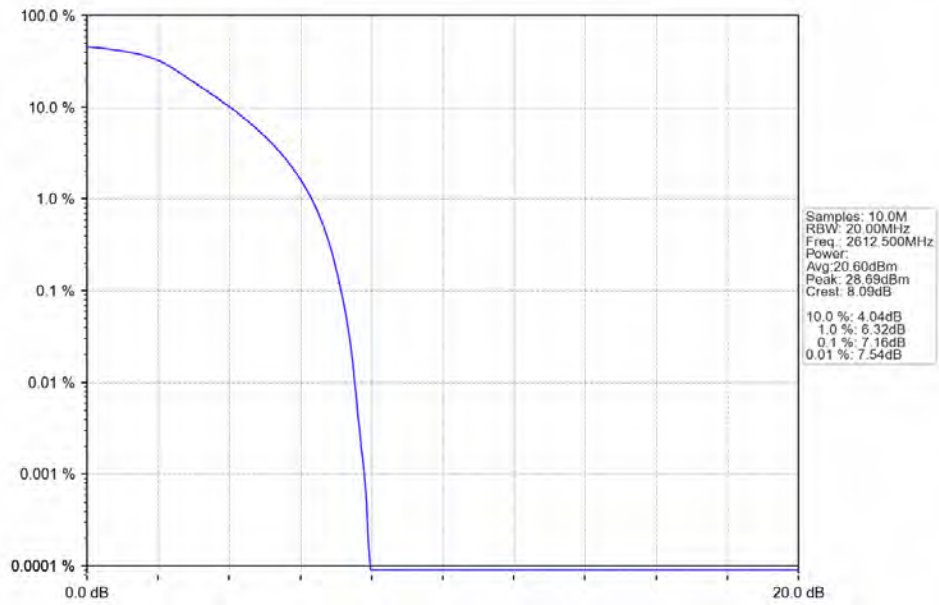
Band38_10MHz_64QAM_HCH_2615MHz_RB_50_0_NTNV



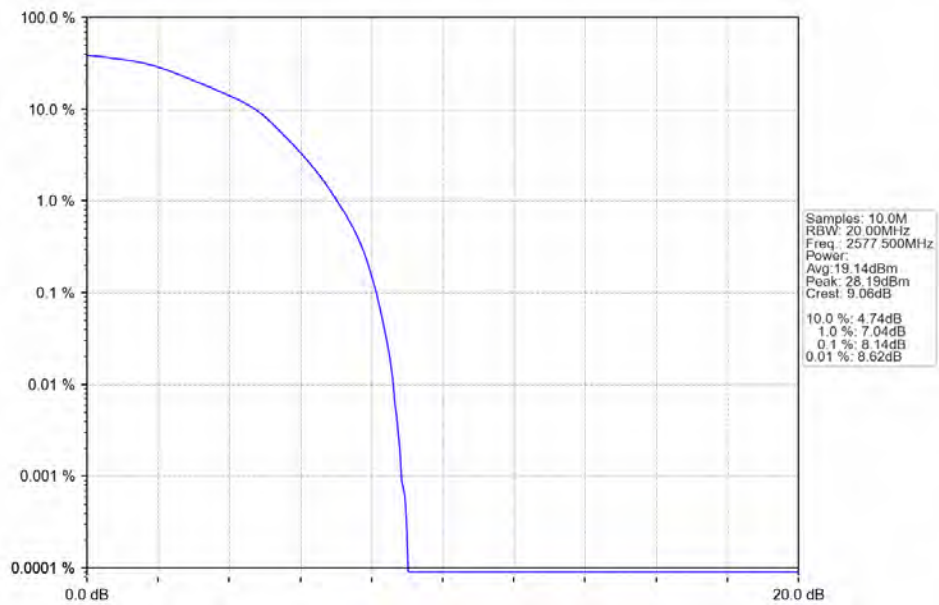
4.2.3 B38_15MHz



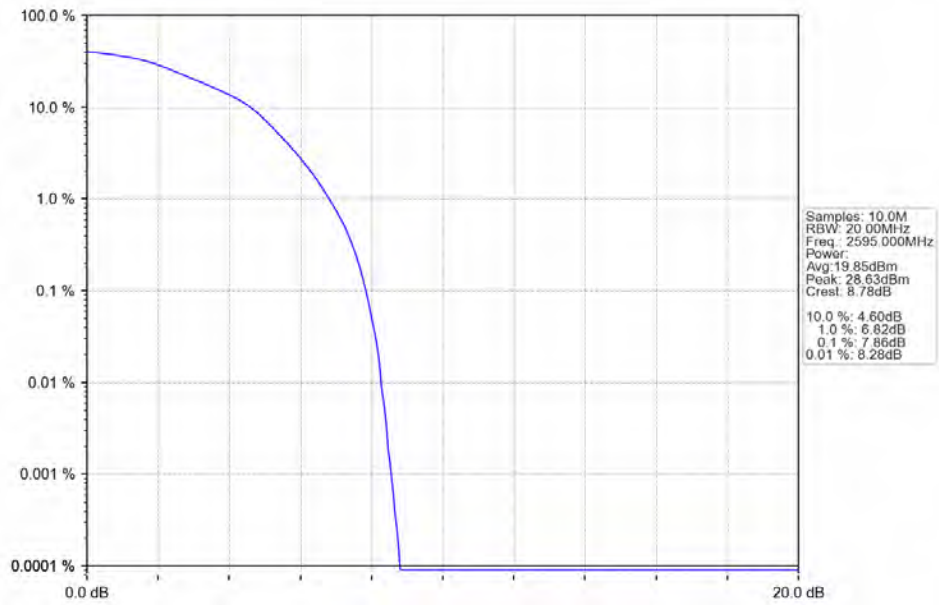
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



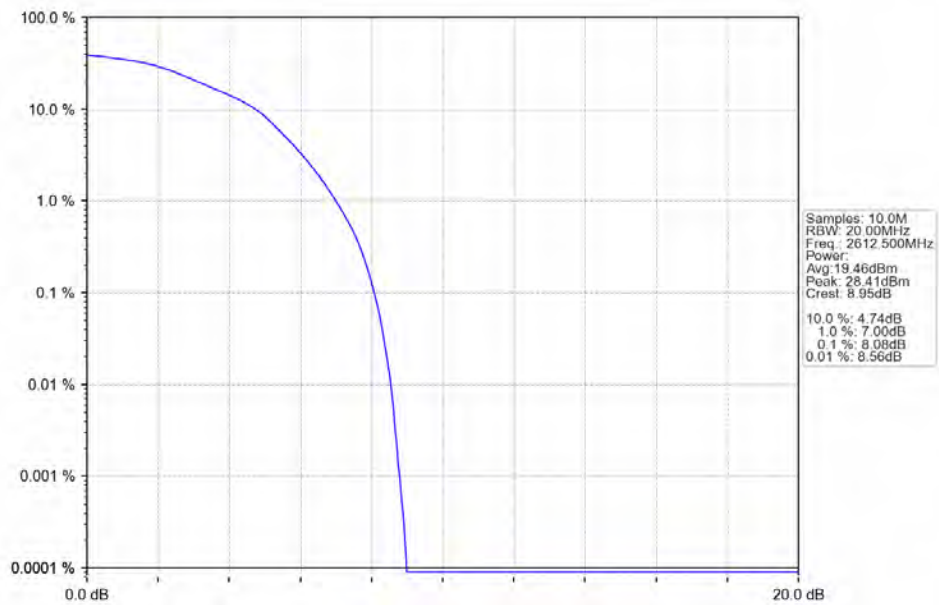
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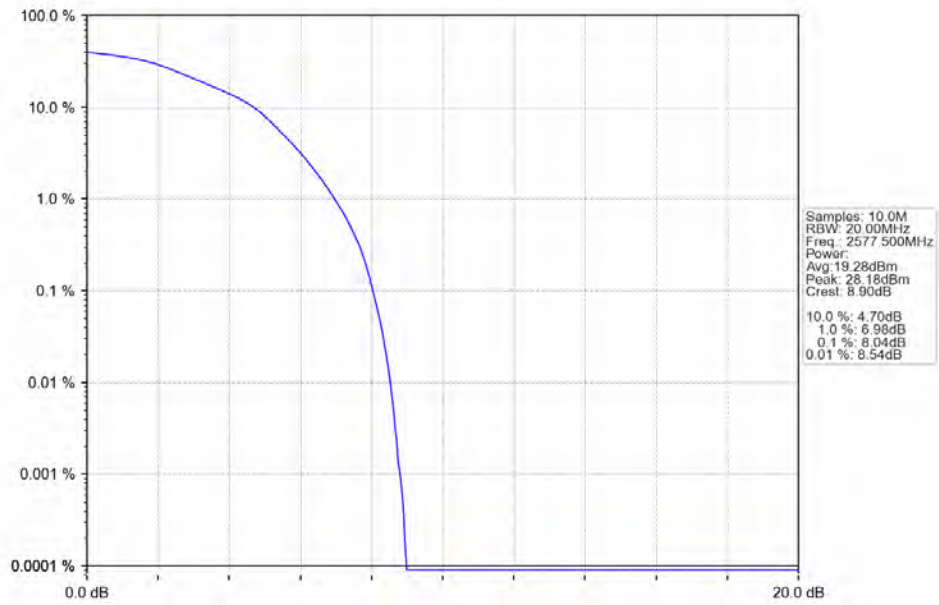
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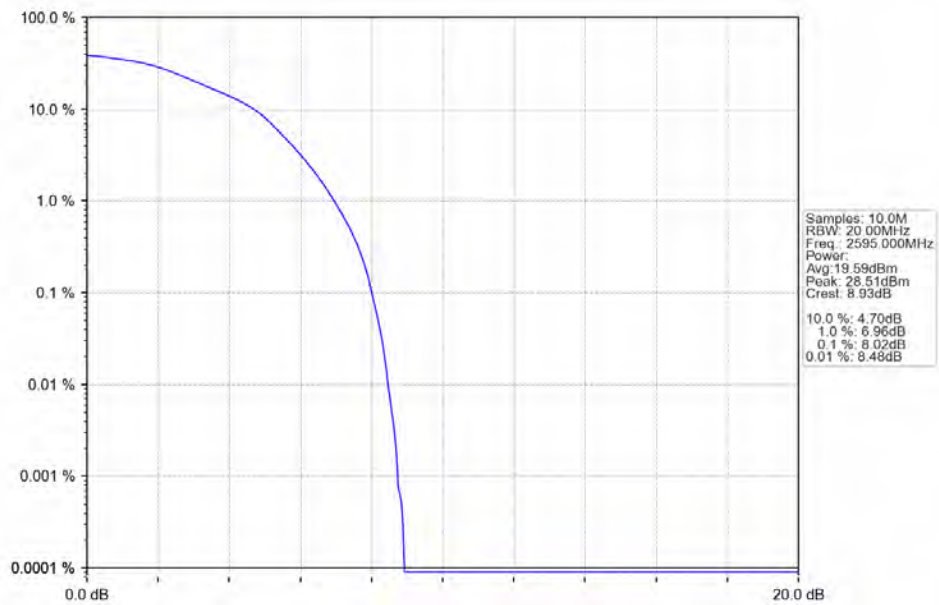
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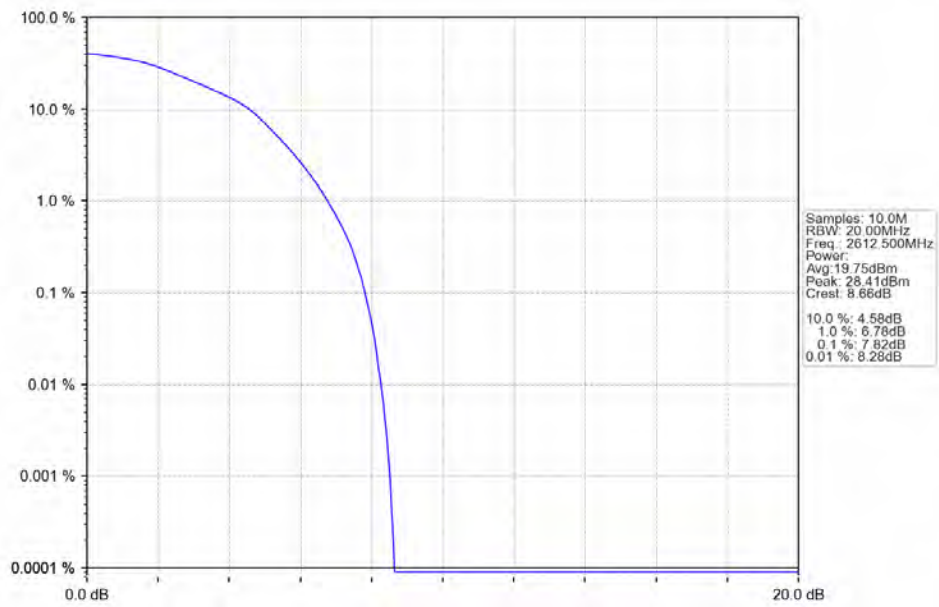
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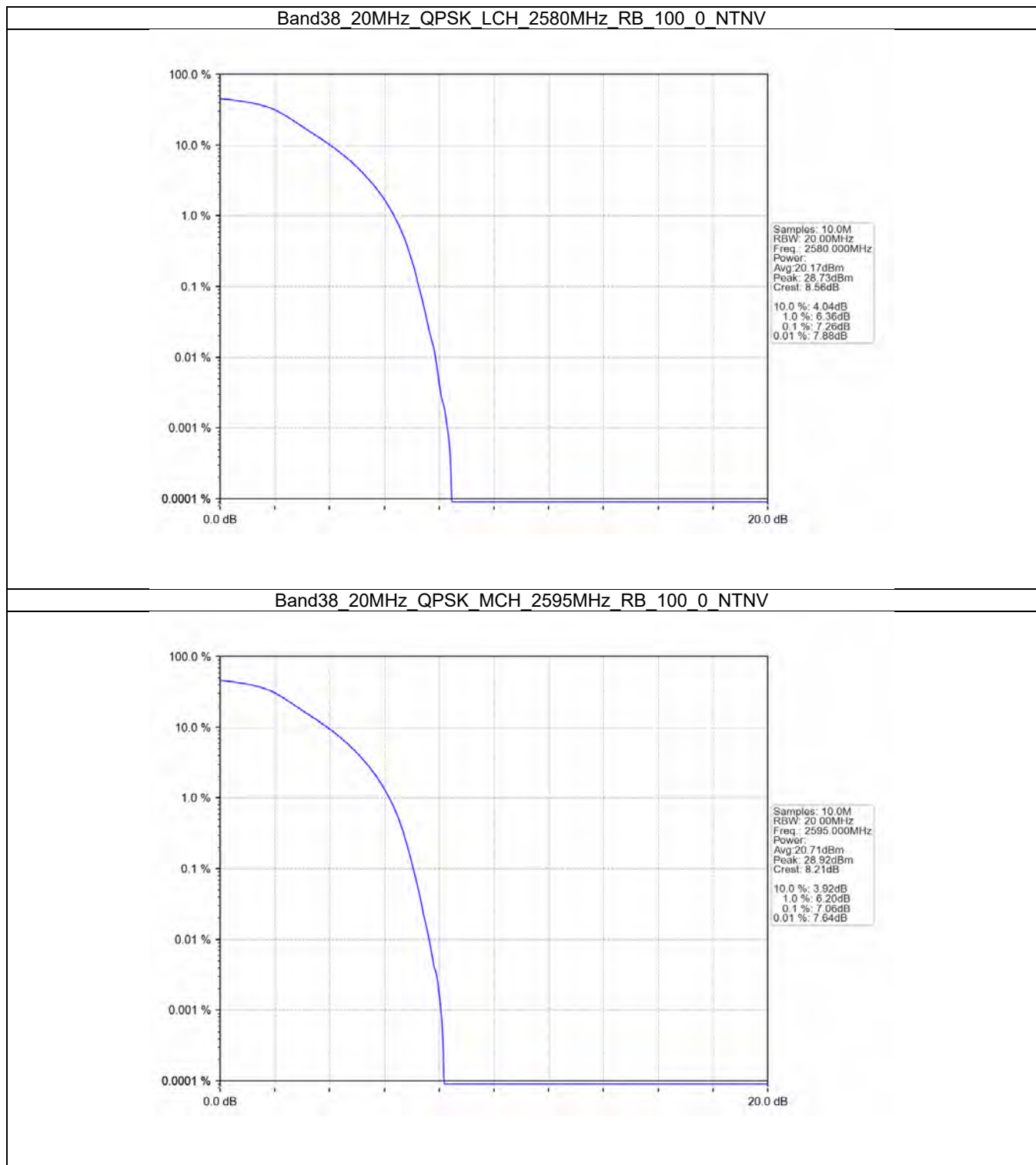
Band38_15MHz_64QAM_MCH_2595MHz_RB_75_0_NTNV



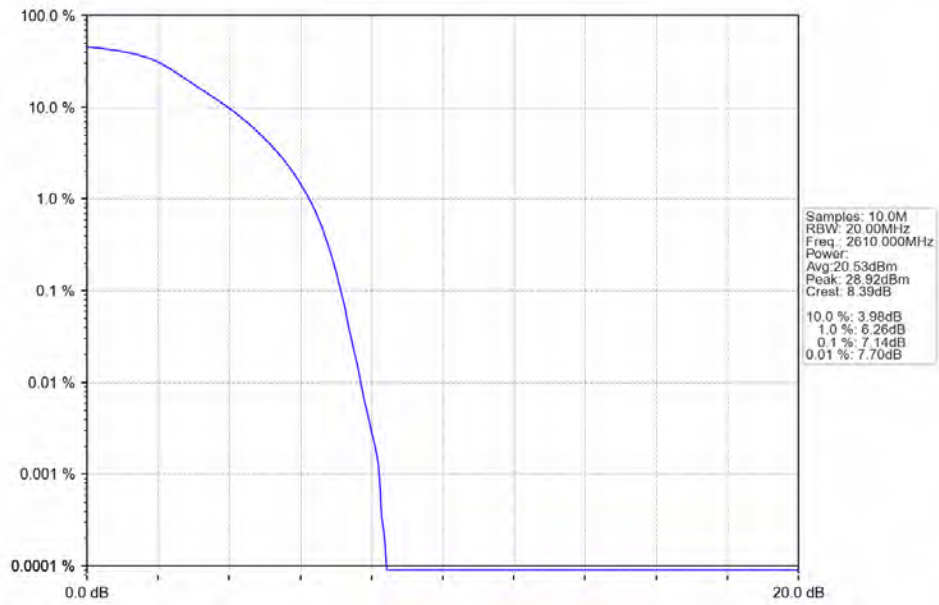
Band38_15MHz_64QAM_HCH_2612.5MHz_RB_75_0_NTNV



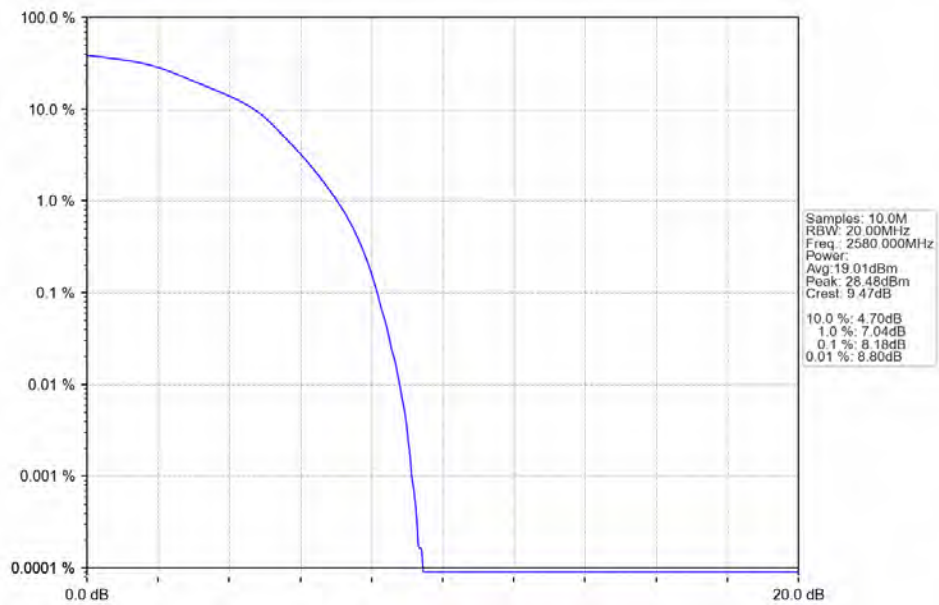
4.2.4 B38_20MHz



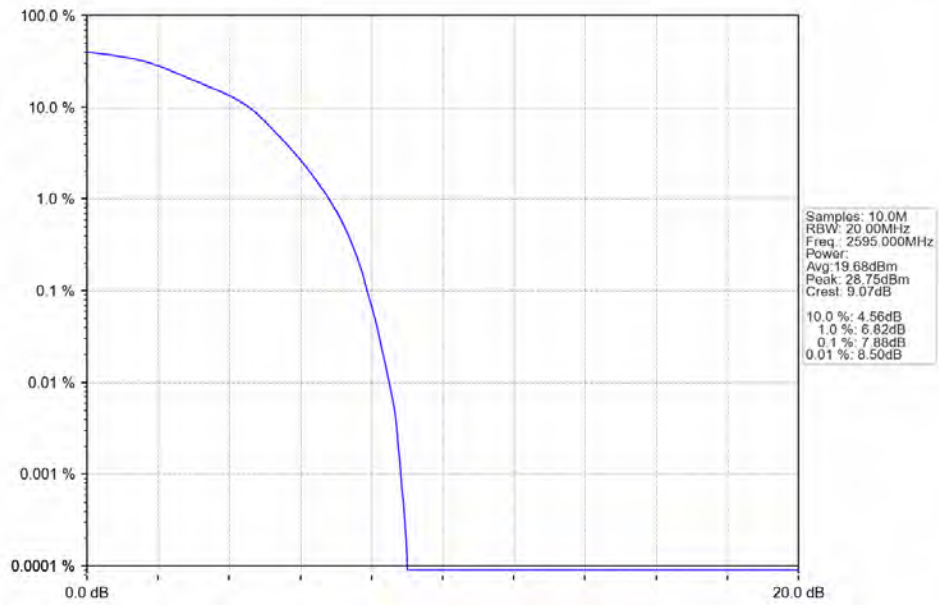
Band38 20MHz QPSK HCH 2610MHz RB 100_0_NTNV



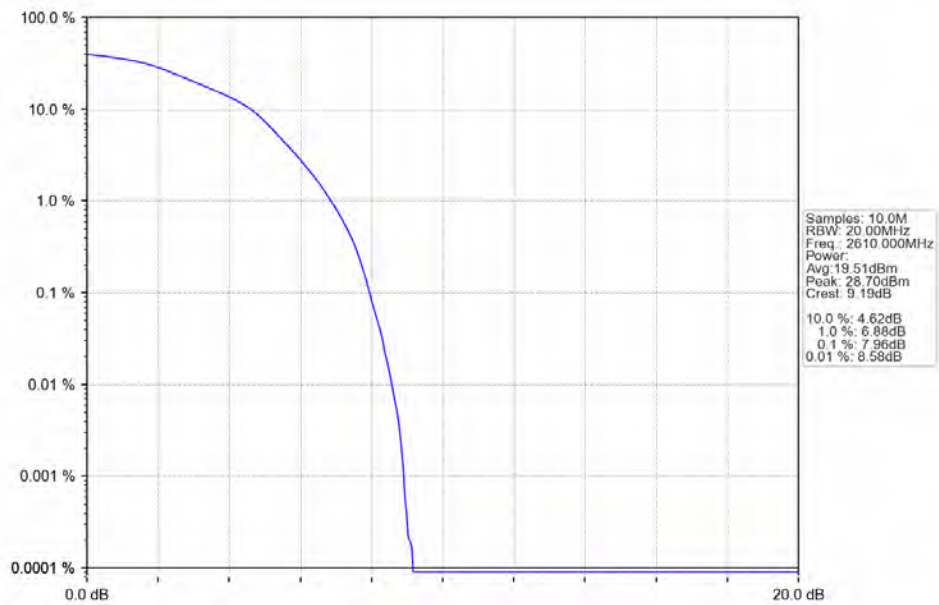
Band38 20MHz 16QAM LCH 2580MHz RB 100_0_NTNV



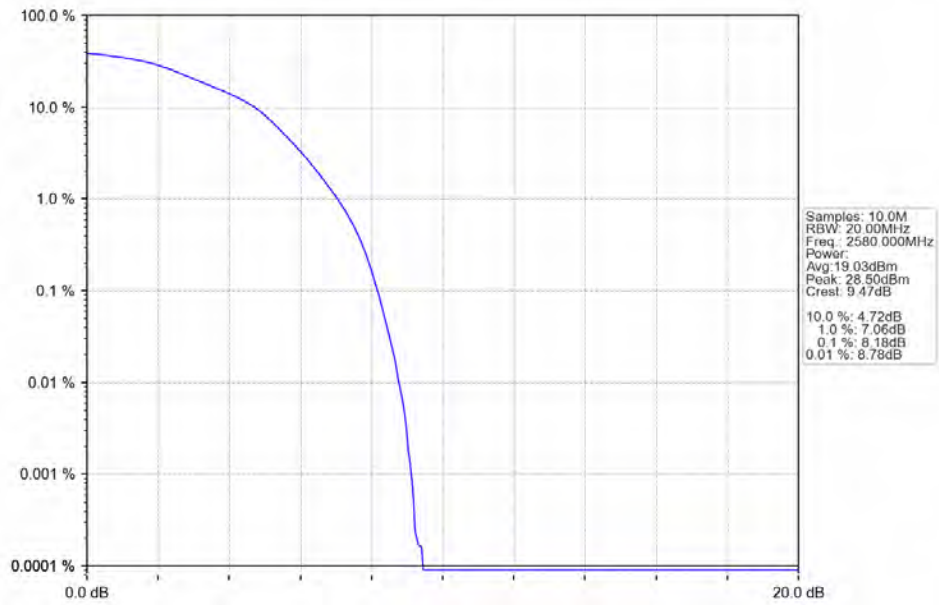
Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



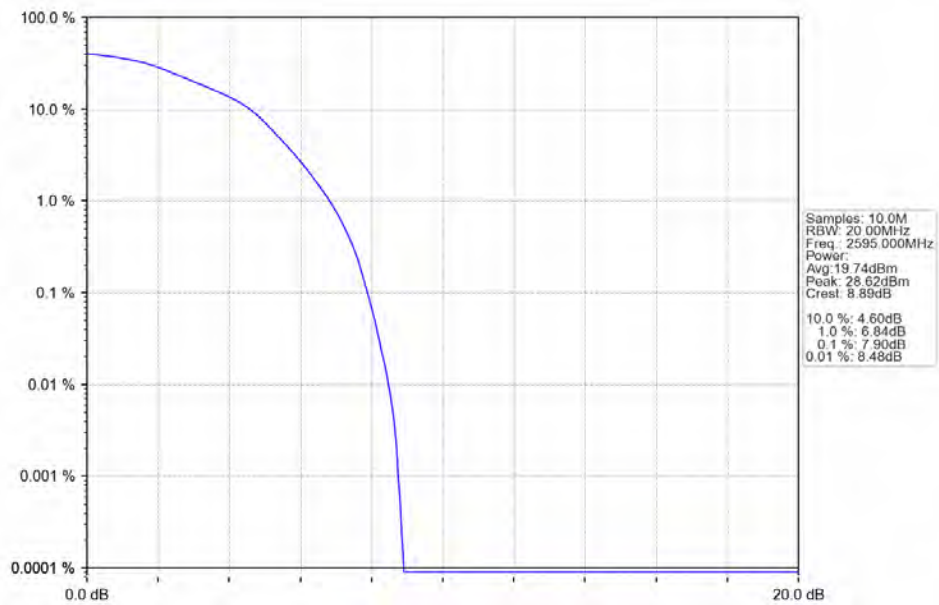
Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



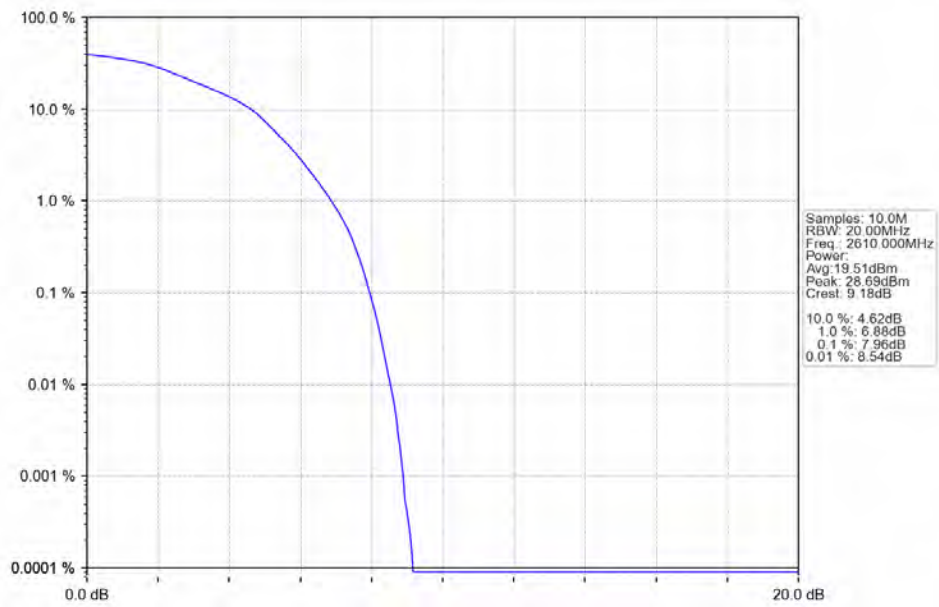
Band38_20MHz_64QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_64QAM_HCH_2610MHz_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

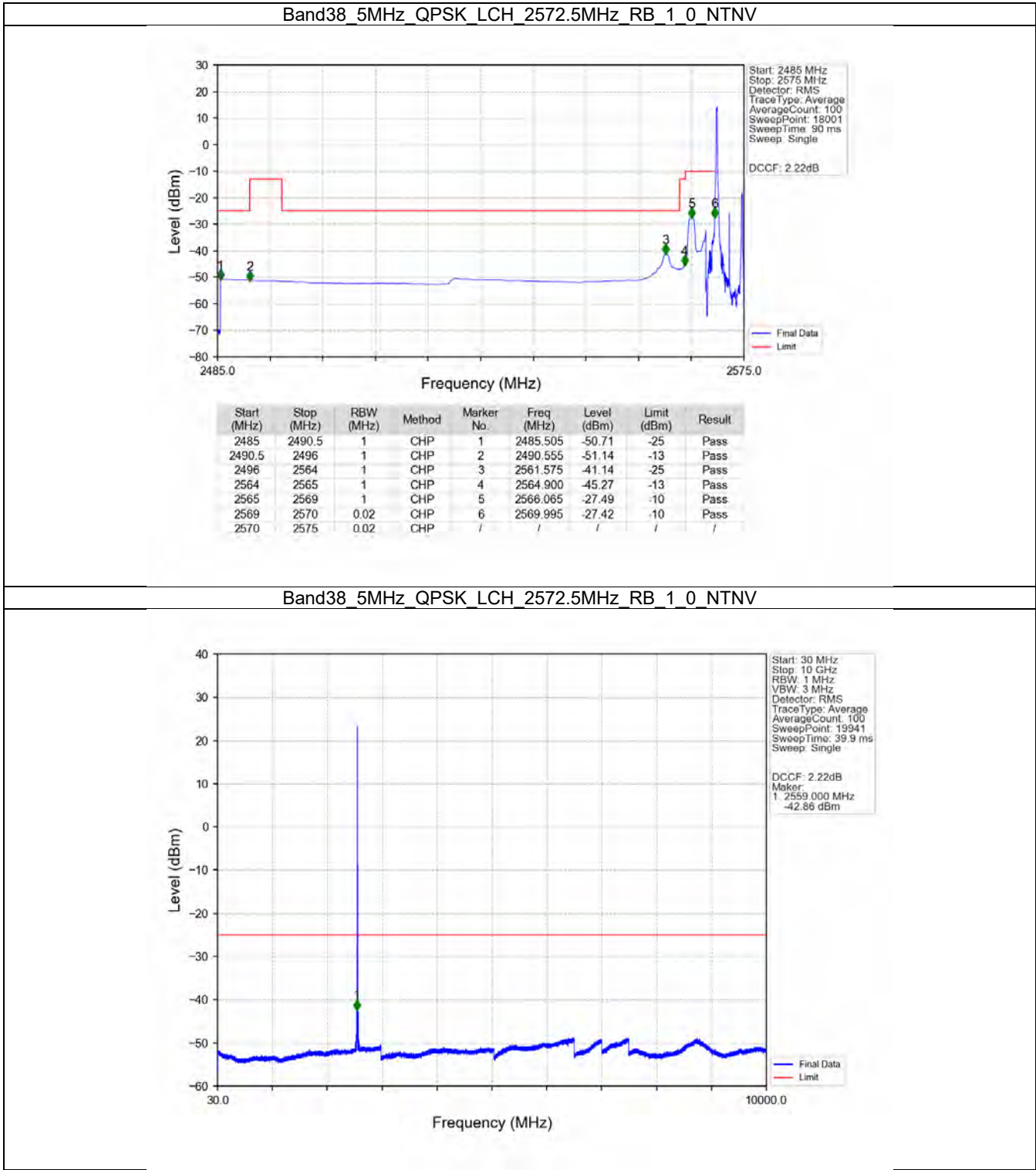
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B38_20MHz

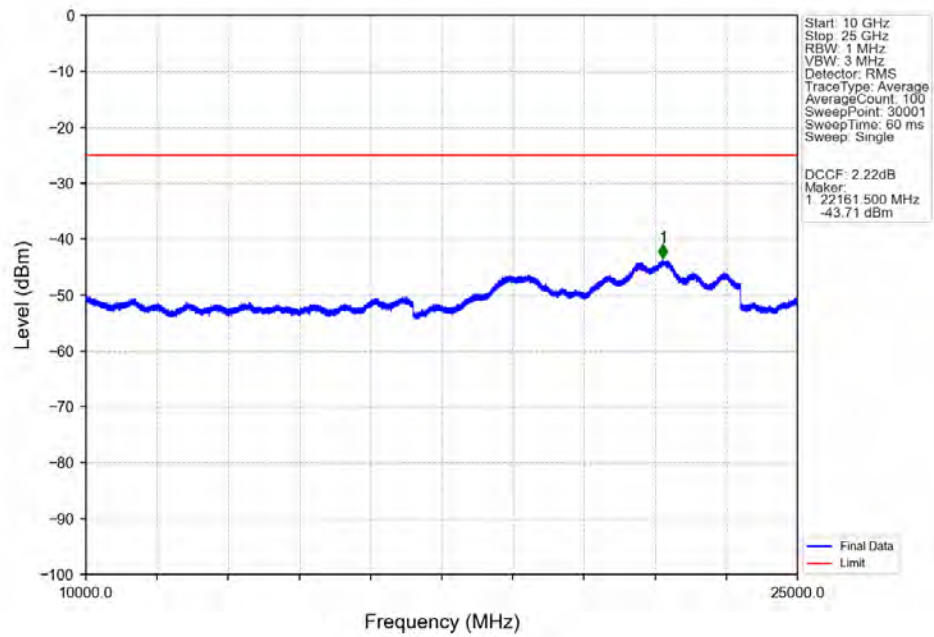
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

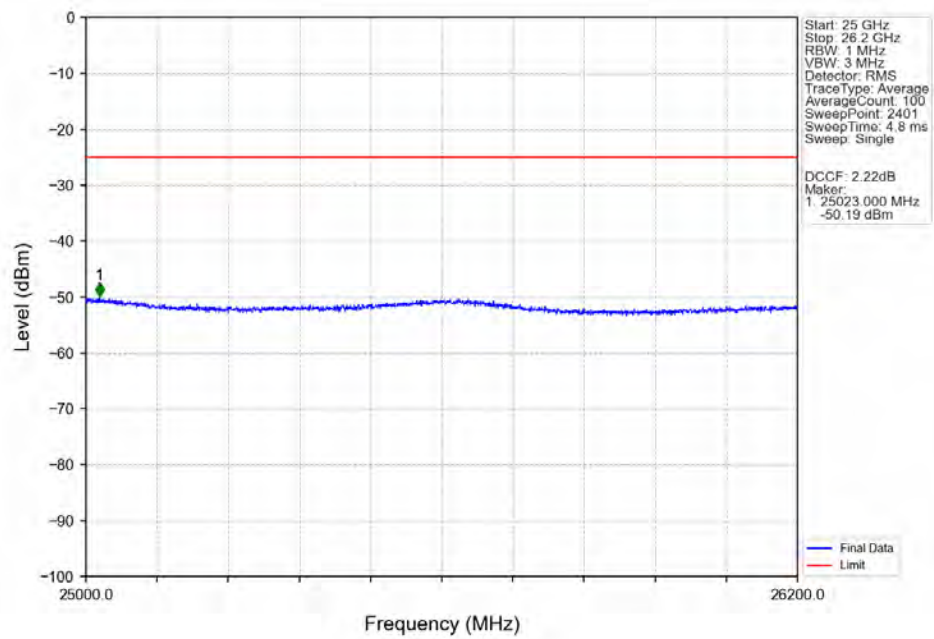
5.2.1 B38_5MHz



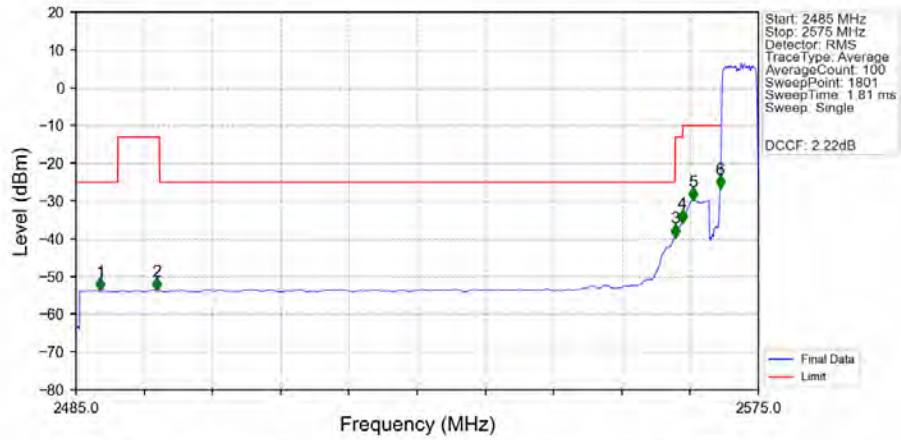
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_LCH_2572.5MHz_RB_1_0_NTNV

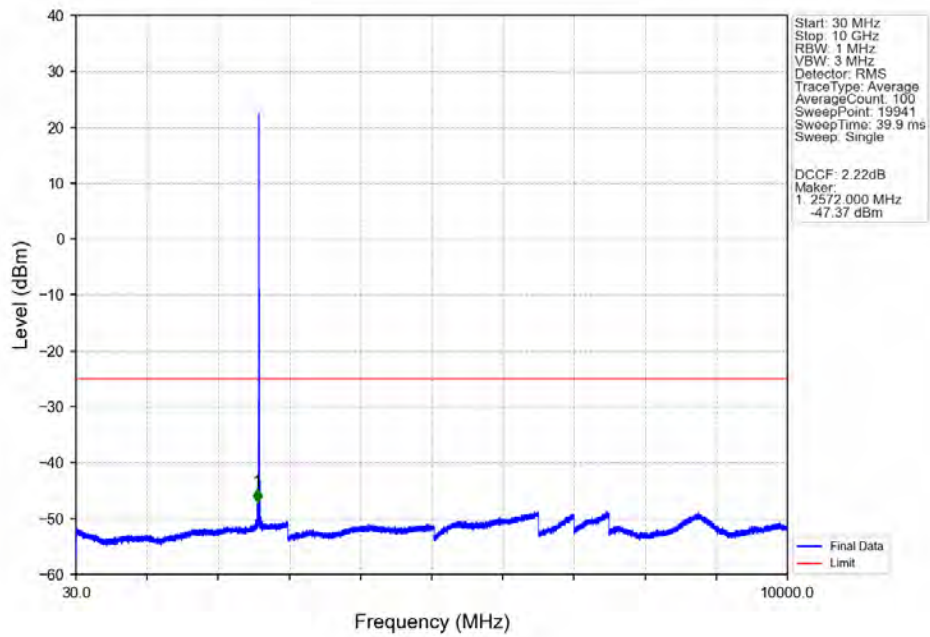


Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV

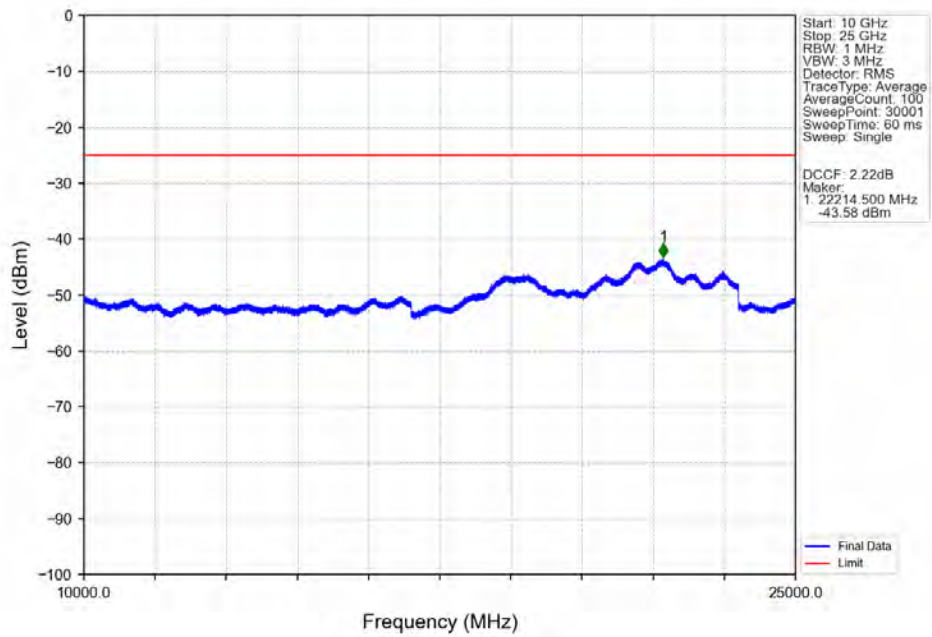


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.200	-53.68	-25	Pass
2490.5	2496	1	CHP	2	2495.650	-53.54	-13	Pass
2496	2564	1	CHP	3	2564.000	-39.40	-25	Pass
2564	2565	1	CHP	4	2565.000	-35.59	-13	Pass
2565	2569	1	CHP	5	2566.350	-29.68	-10	Pass
2569	2570	0.113	CHP	6	2569.950	-26.43	-10	Pass
2570	2575	0.113	CHP	/	/	/	/	/

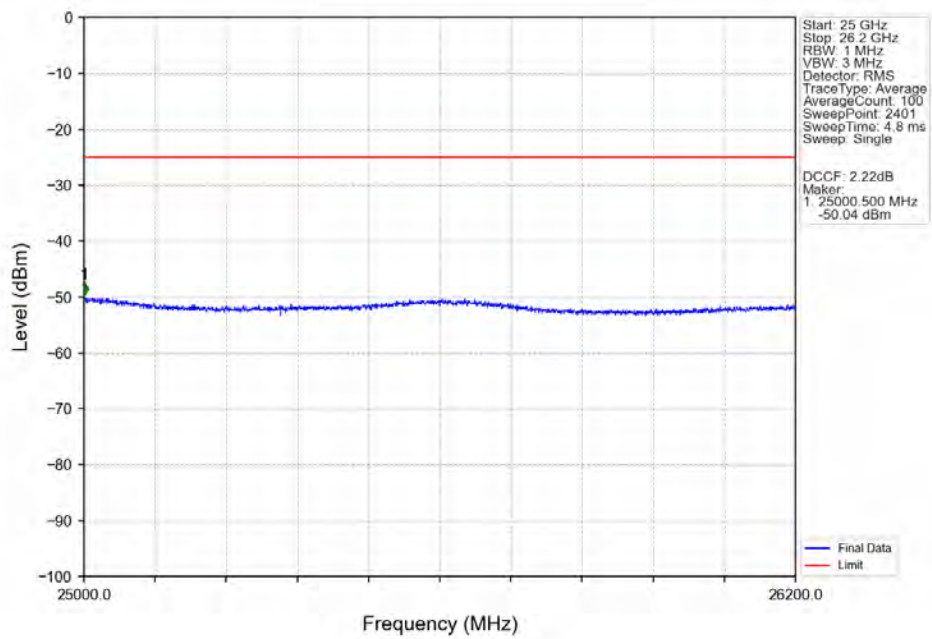
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



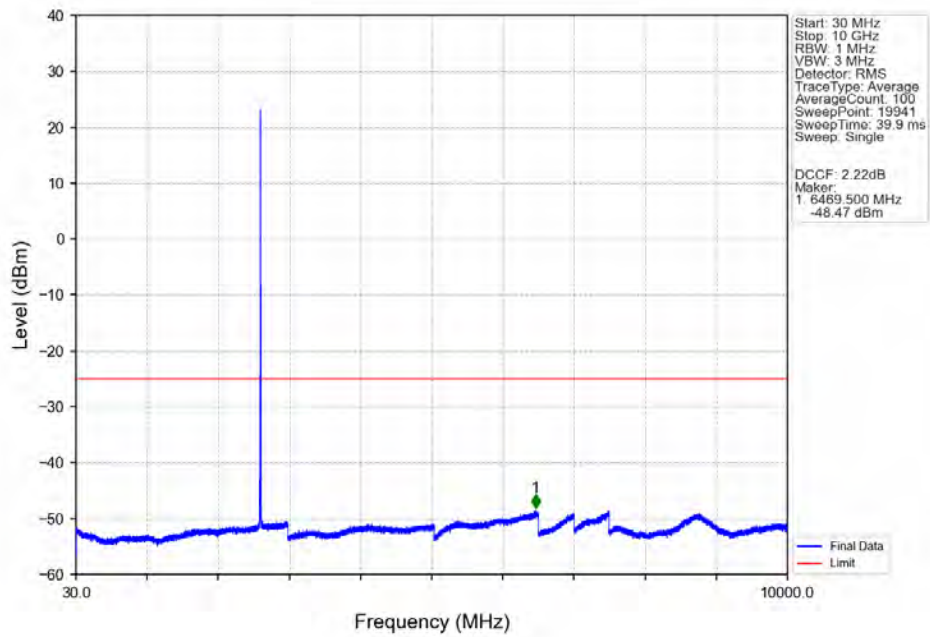
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



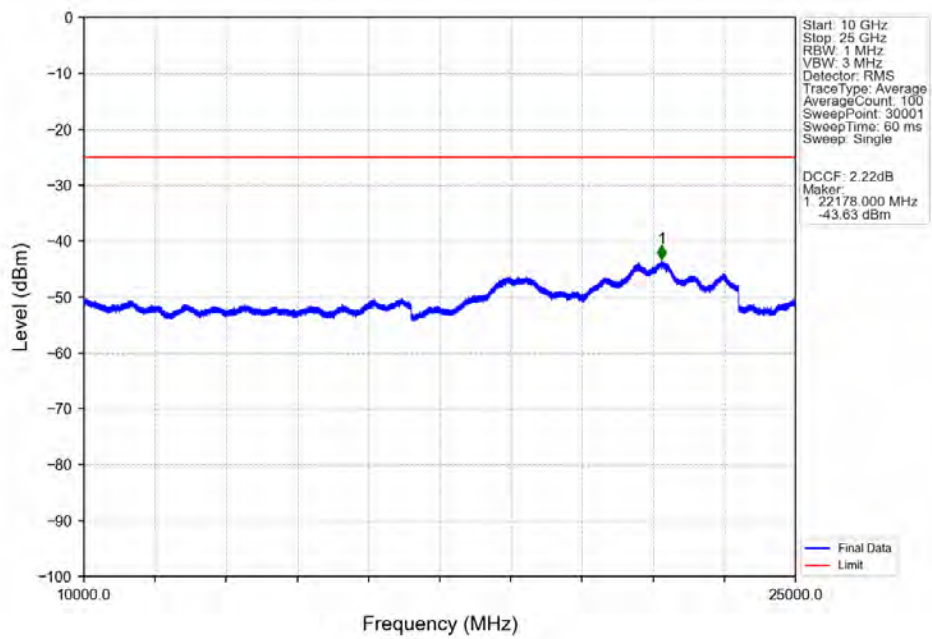
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



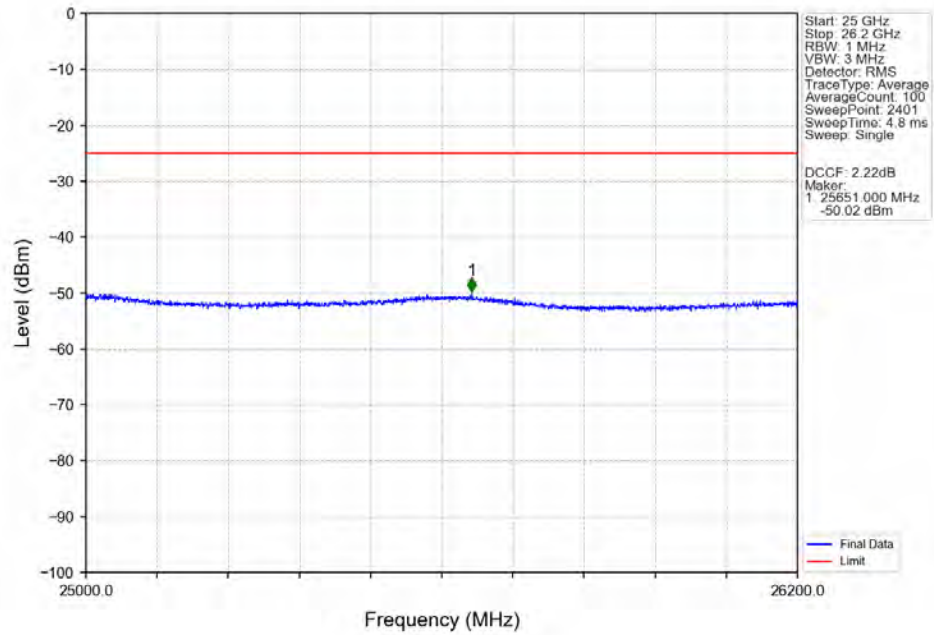
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



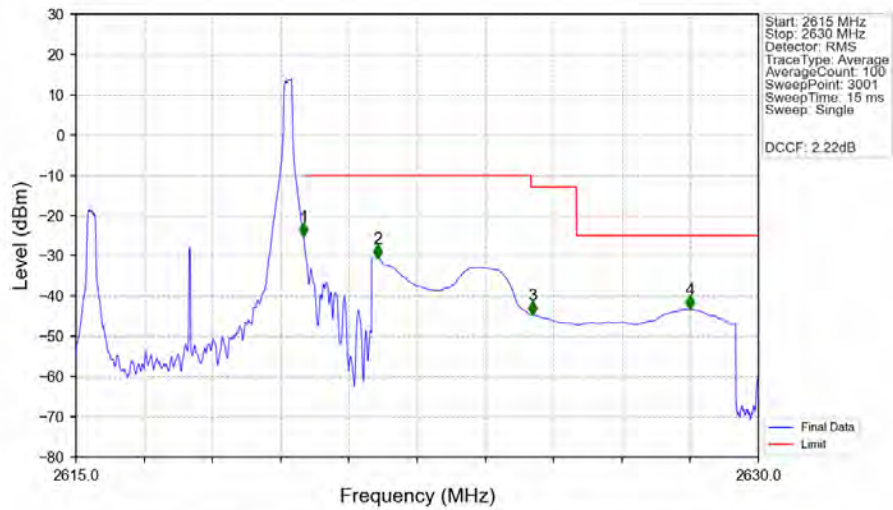
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV



Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_0_NTNV

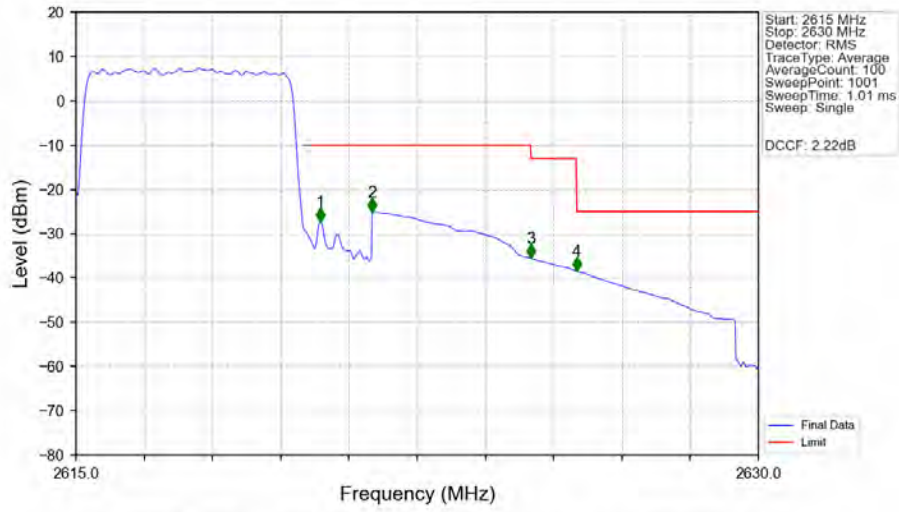


Band38_5MHz_QPSK_HCH_2617.5MHz_RB_1_24_NTNV



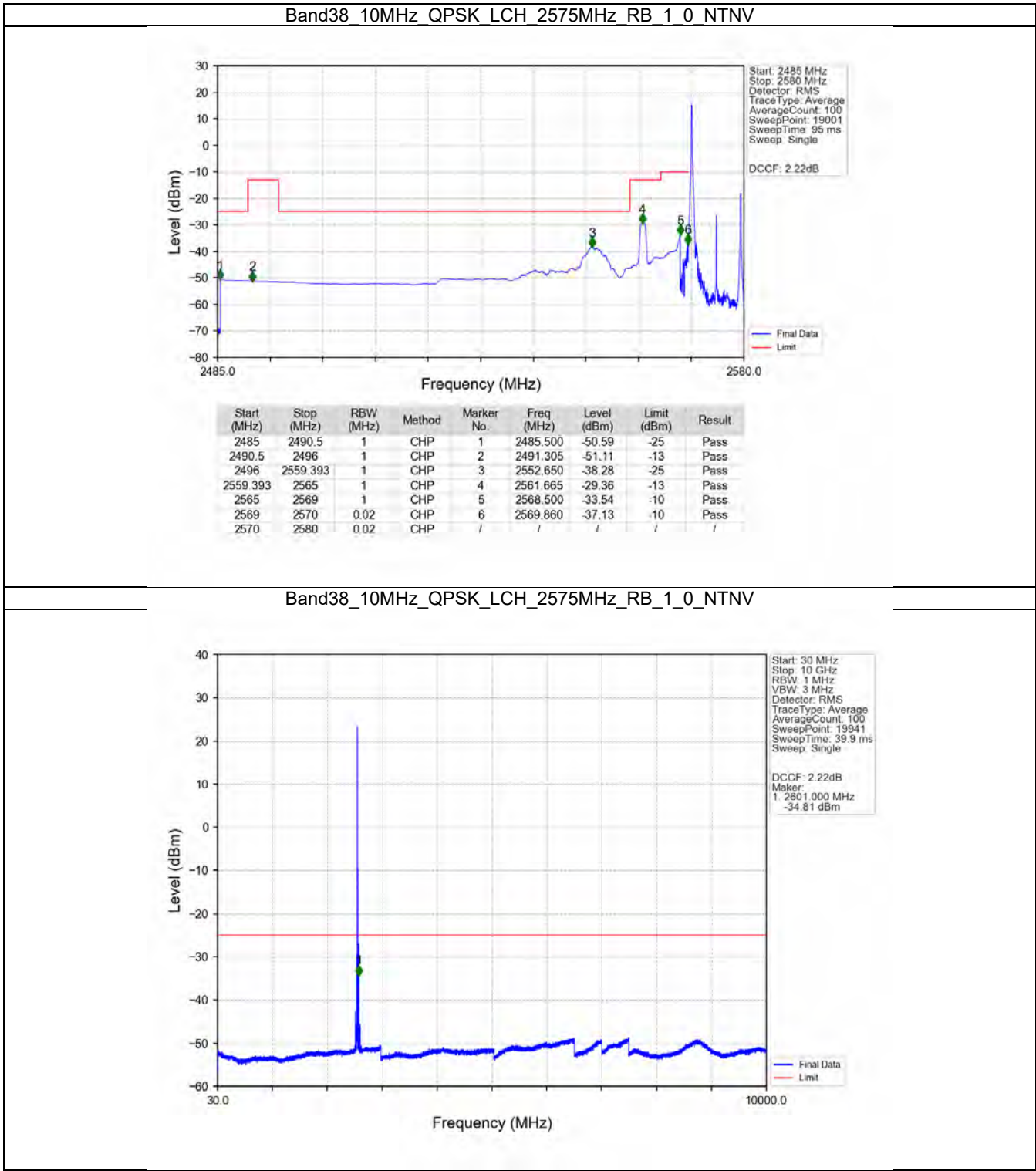
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.005	-25.32	-10	Pass
2621	2625	1	CHP	2	2621.630	-30.56	-10	Pass
2625	2626	1	CHP	3	2625.030	-44.72	-13	Pass
2626	2630	1	CHP	4	2628.500	-43.26	-25	Pass

Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV

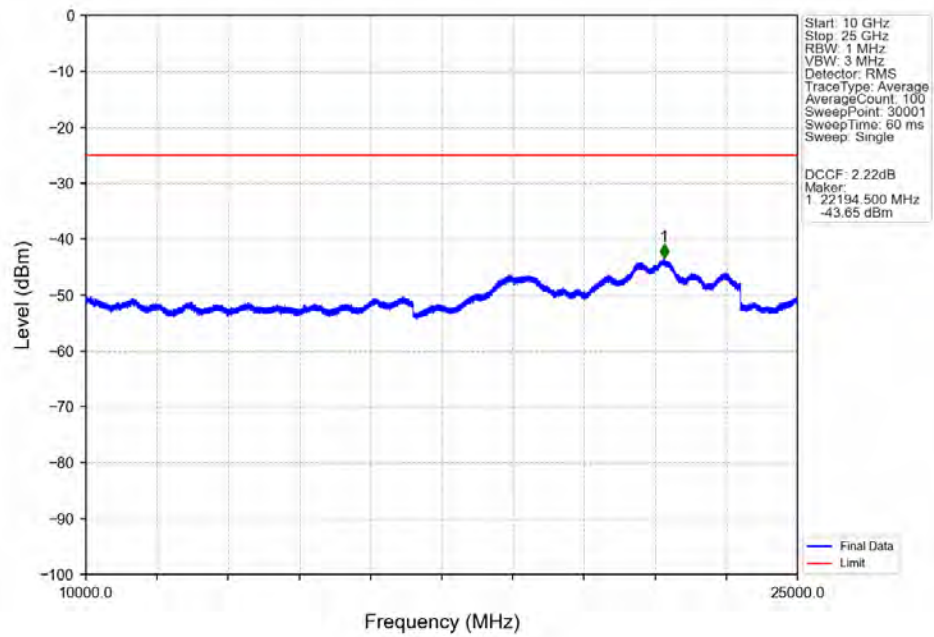


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2615	2620	0.112	CHP	/	/	/	/	/
2620	2621	0.112	CHP	1	2620.370	-27.28	-10	Pass
2621	2625	1	CHP	2	2621.510	-25.17	-10	Pass
2625	2626	1	CHP	3	2625.005	-35.58	-13	Pass
2626	2630	1	CHP	4	2626.010	-38.49	-25	Pass

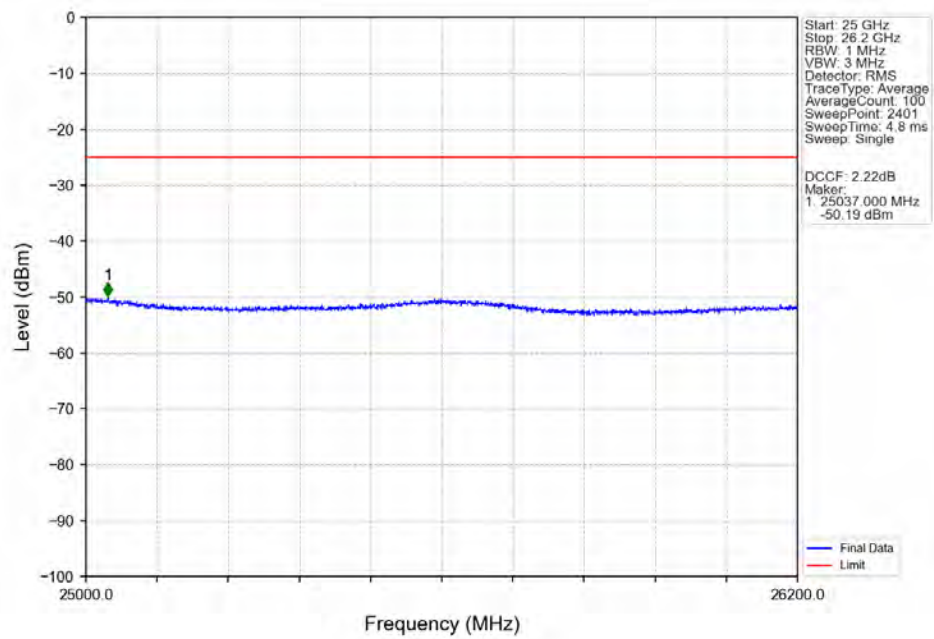
5.2.2 B38_10MHz



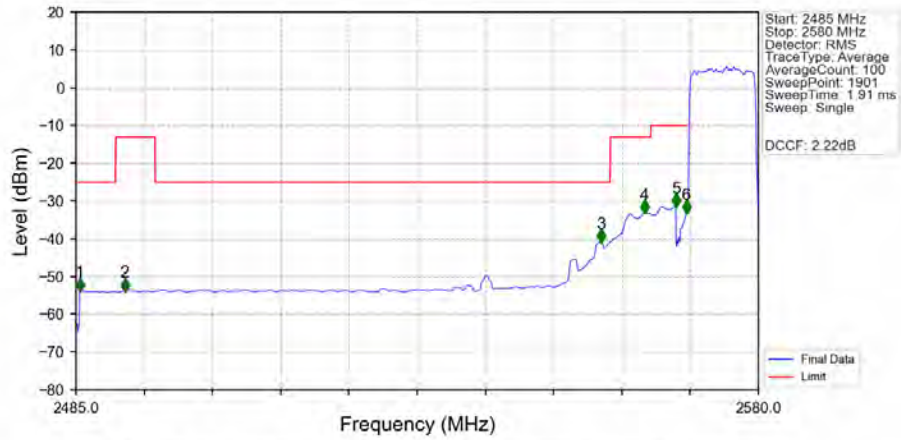
Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_LCH_2575MHz_RB_1_0_NTNV

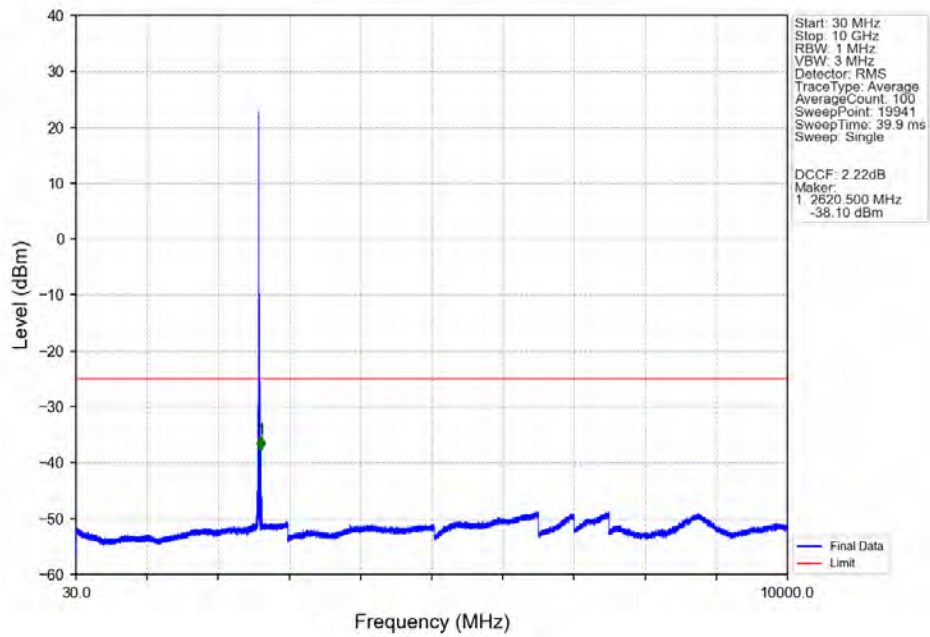


Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV

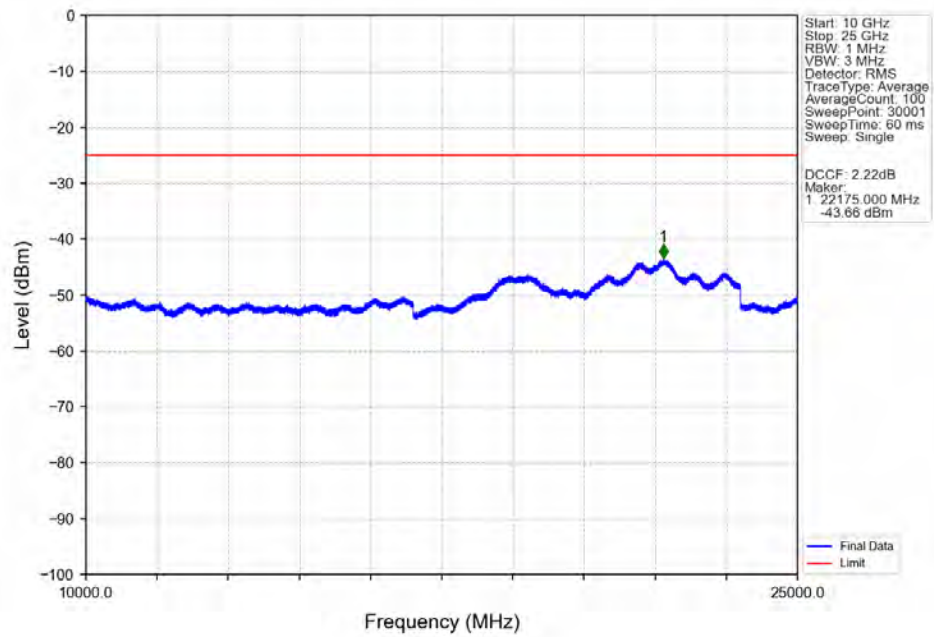


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.550	-53.72	-25	Pass
2490.5	2496	1	CHP	2	2491.800	-53.71	-13	Pass
2496	2559.393	1	CHP	3	2558.100	-40.76	-25	Pass
2559.393	2565	1	CHP	4	2564.150	-33.09	-13	Pass
2565	2569	1	CHP	5	2568.500	-31.40	-10	Pass
2569	2570	0.212	CHP	6	2569.950	-33.12	-10	Pass
2570	2580	0.212	CHP	/	/	/	/	/

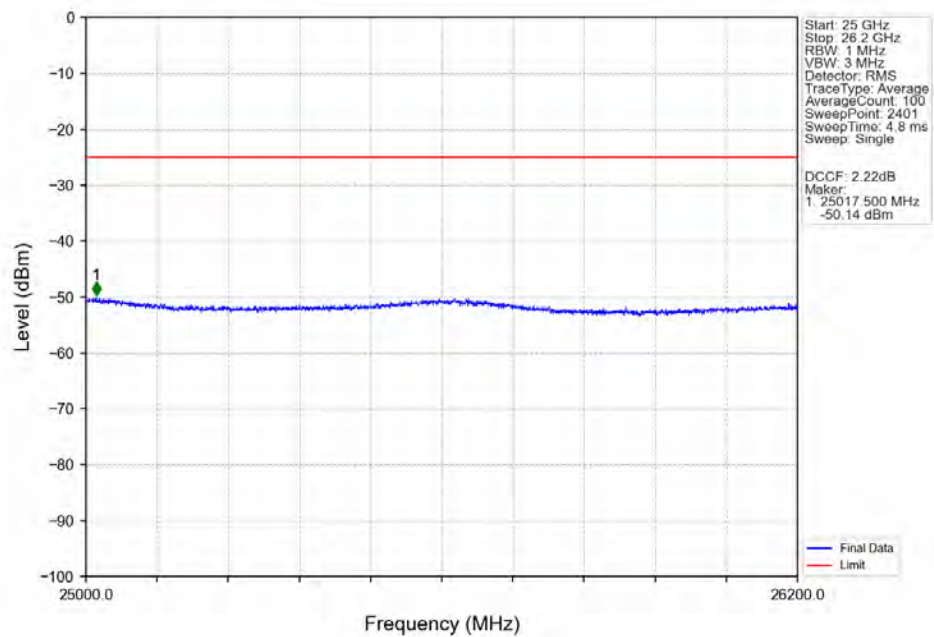
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



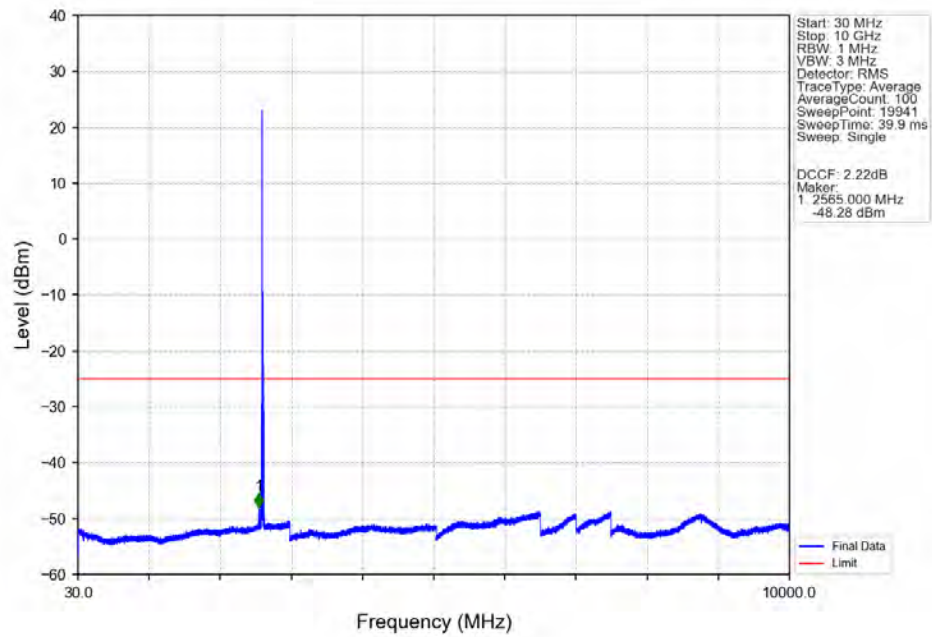
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



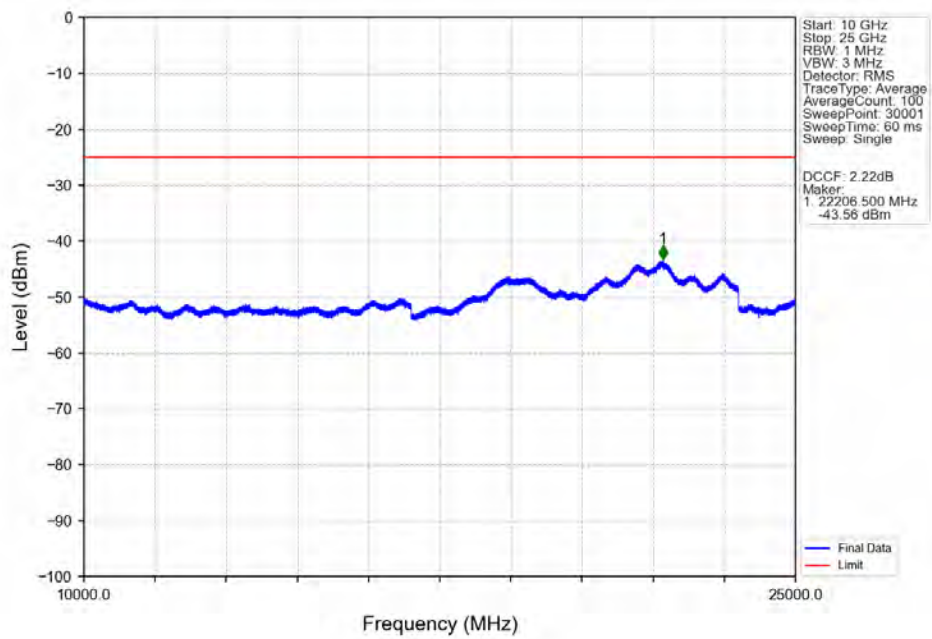
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



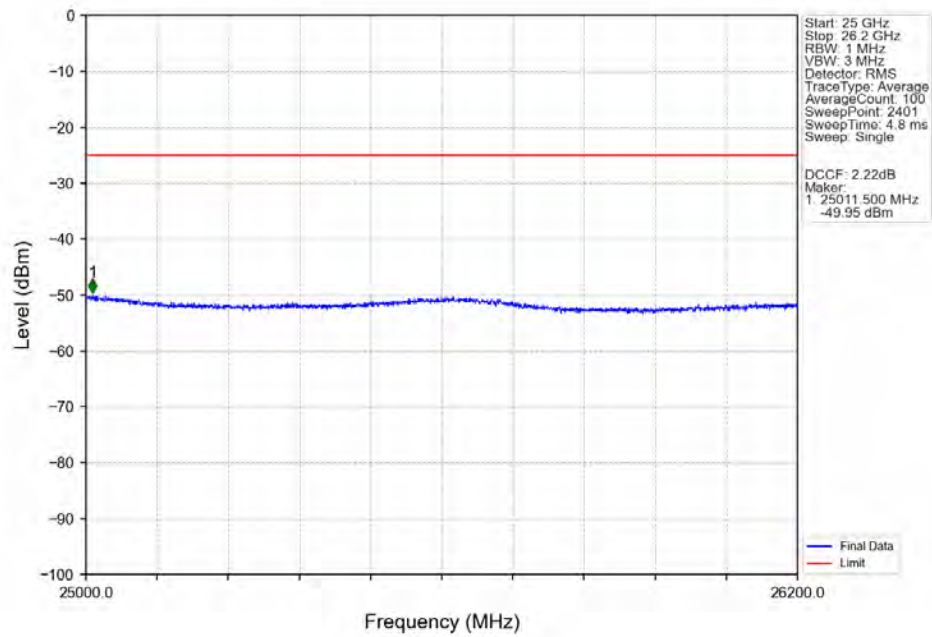
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



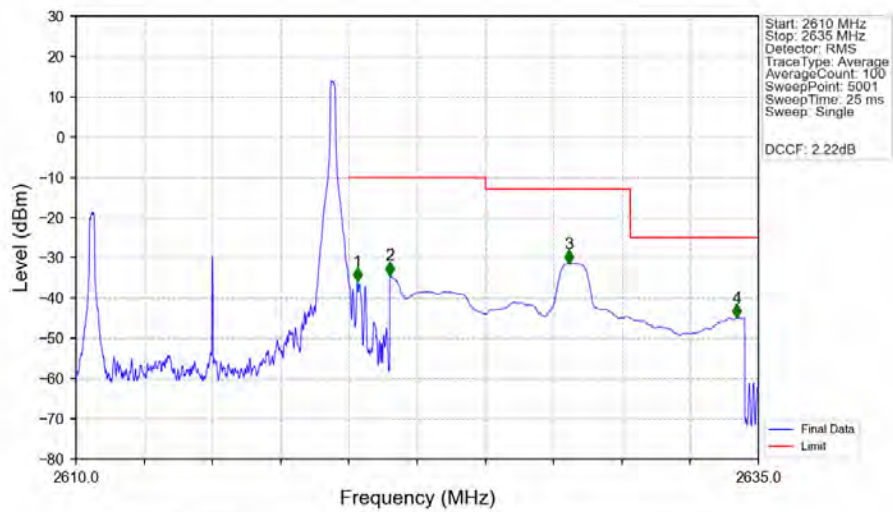
Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV



Band38_10MHz_QPSK_HCH_2615MHz_RB_1_0_NTNV

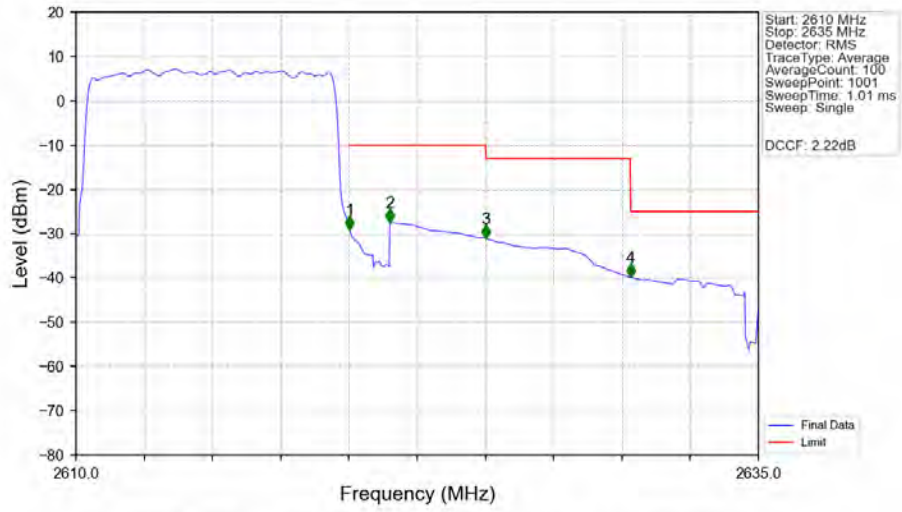


Band38_10MHz_QPSK_HCH_2615MHz_RB_1_49_NTNV



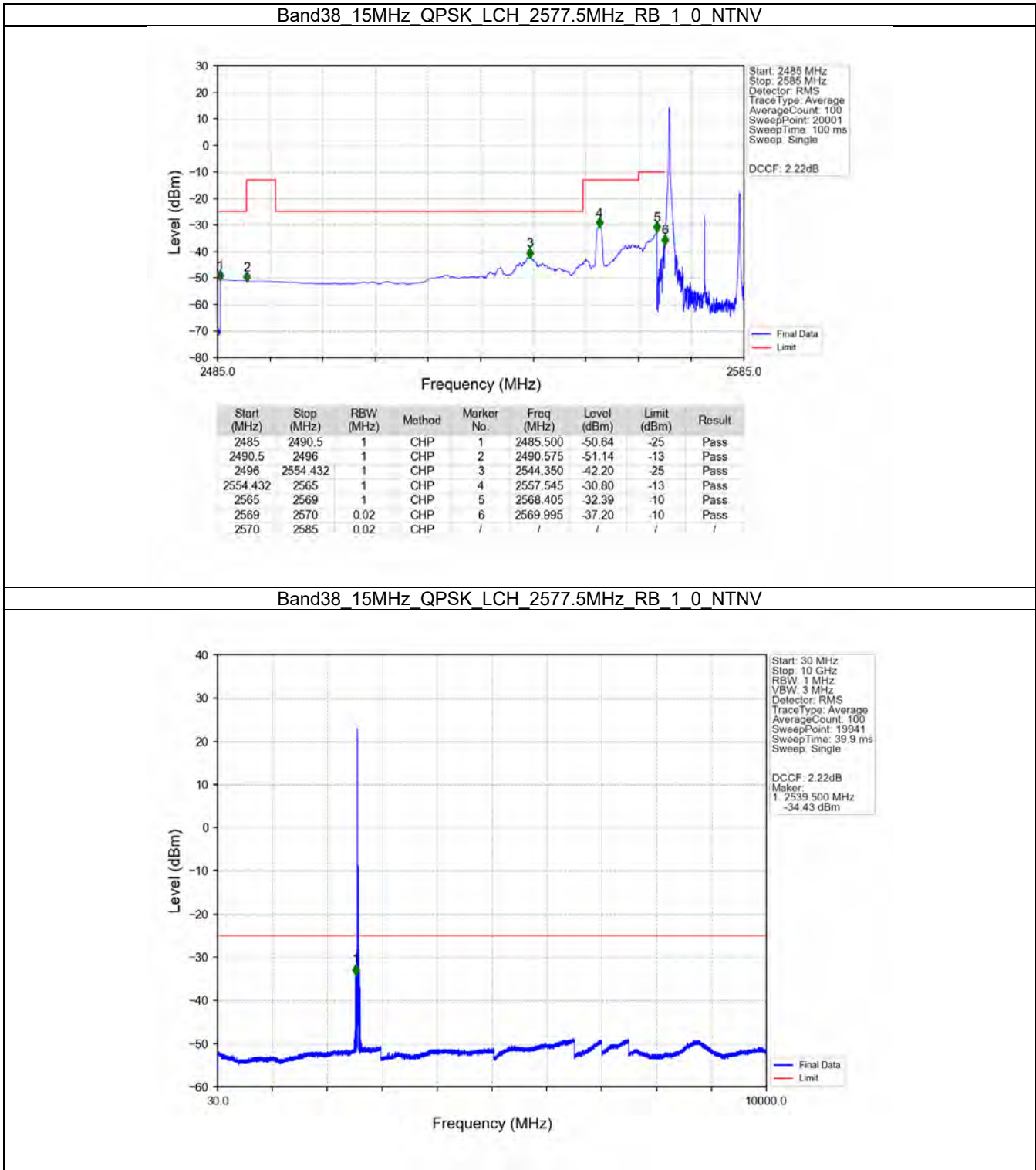
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.305	-35.84	-10	Pass
2621	2625	1	CHP	2	2621.500	-34.36	-10	Pass
2625	2630.307	1	CHP	3	2628.065	-31.48	-13	Pass
2630.307	2635	1	CHP	4	2634.205	-44.95	-25	Pass

Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV

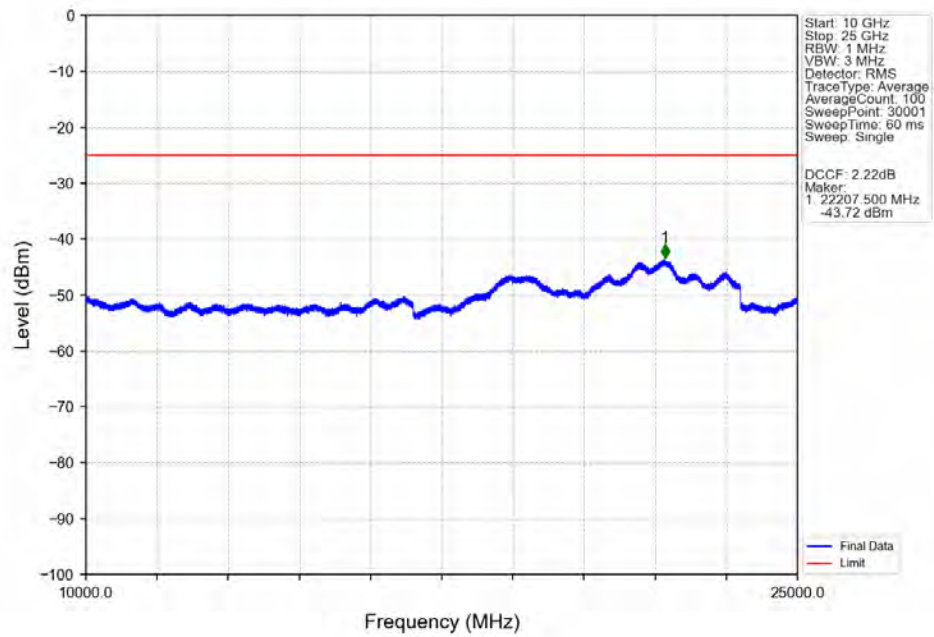


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2610	2620	0.206	CHP	/	/	/	/	/
2620	2621	0.206	CHP	1	2620.025	-29.06	-10	Pass
2621	2625	1	CHP	2	2621.500	-27.51	-10	Pass
2625	2630.307	1	CHP	3	2625.025	-31.05	-13	Pass
2630.307	2635	1	CHP	4	2630.325	-39.84	-25	Pass

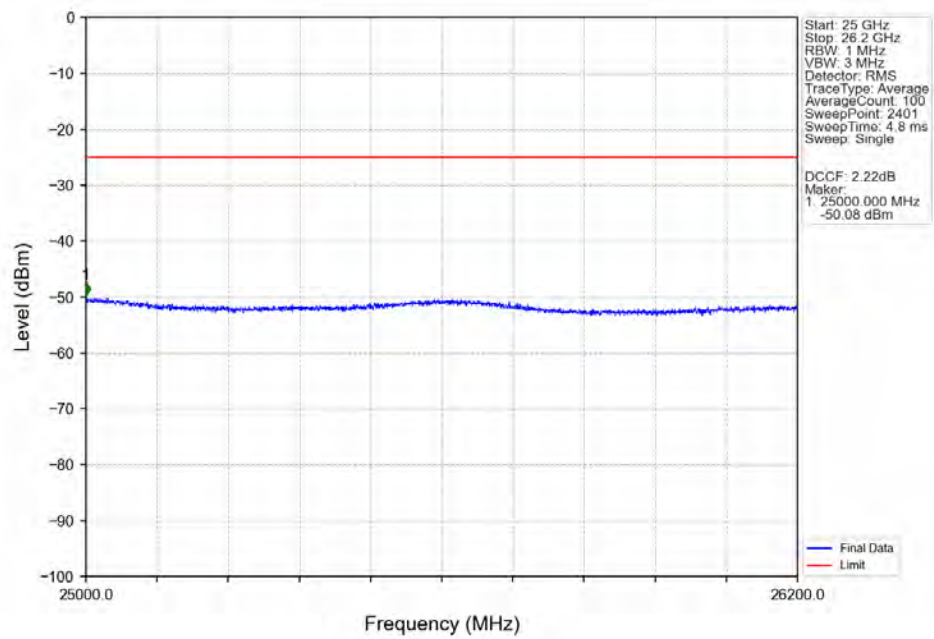
5.2.3 B38_15MHz



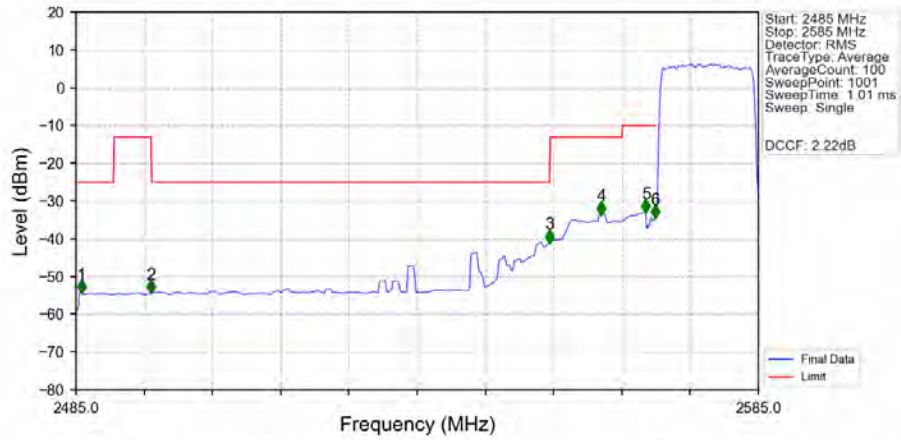
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV

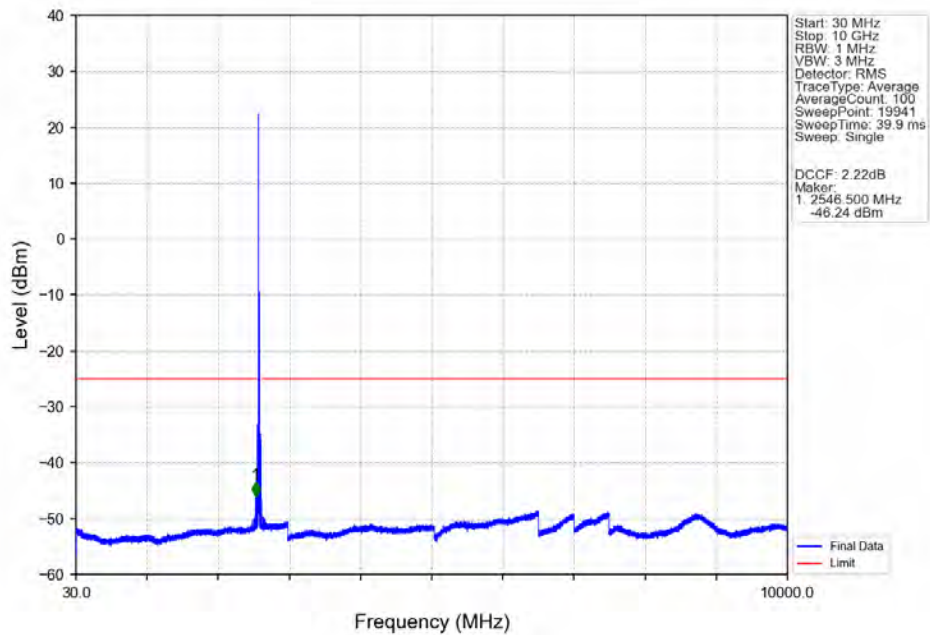


Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV

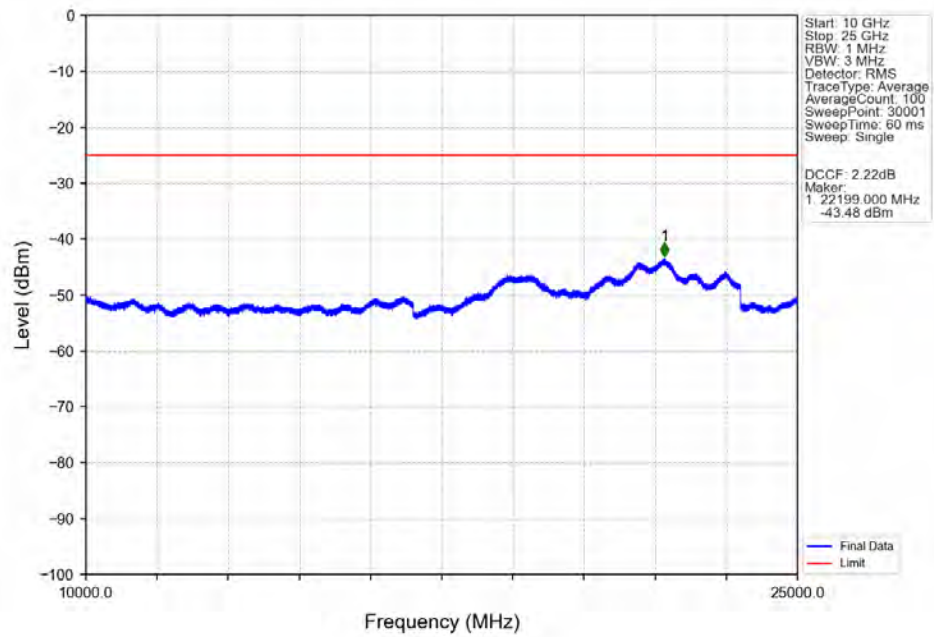


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.800	-54.33	-25	Pass
2490.5	2496	1	CHP	2	2496.000	-54.31	-13	Pass
2496	2554.432	1	CHP	3	2554.400	-40.90	-25	Pass
2554.432	2565	1	CHP	4	2562.000	-33.40	-13	Pass
2565	2569	1	CHP	5	2568.500	-32.90	-10	Pass
2569	2570	0.311	CHP	6	2569.900	-34.42	-10	Pass
2570	2585	0.311	CHP	/	/	/	/	/

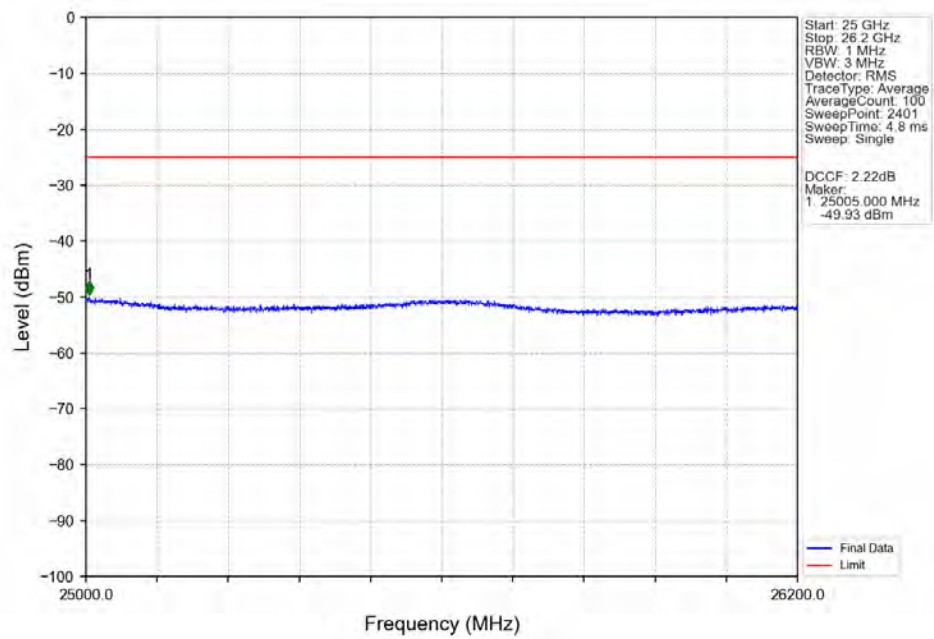
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



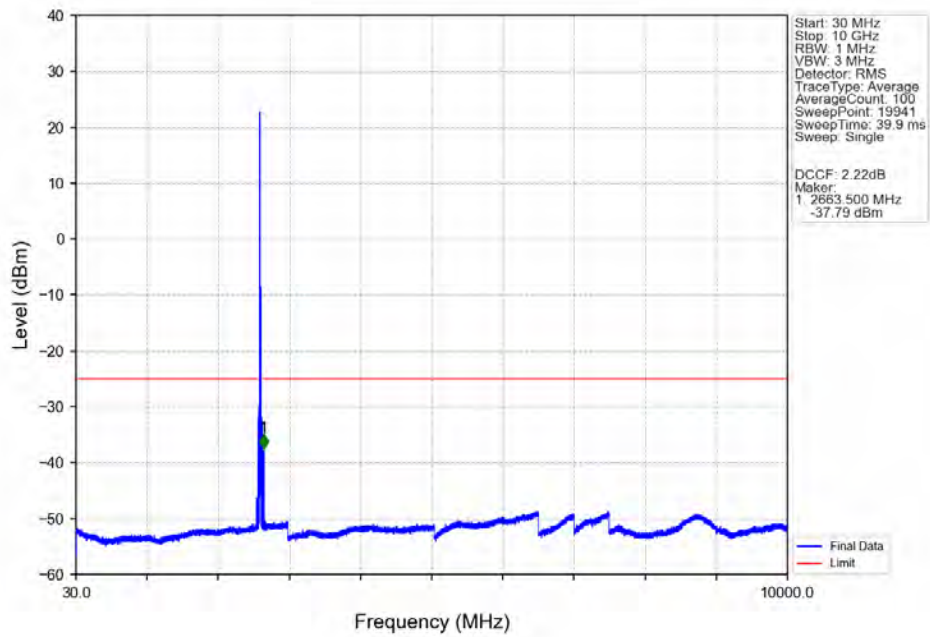
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



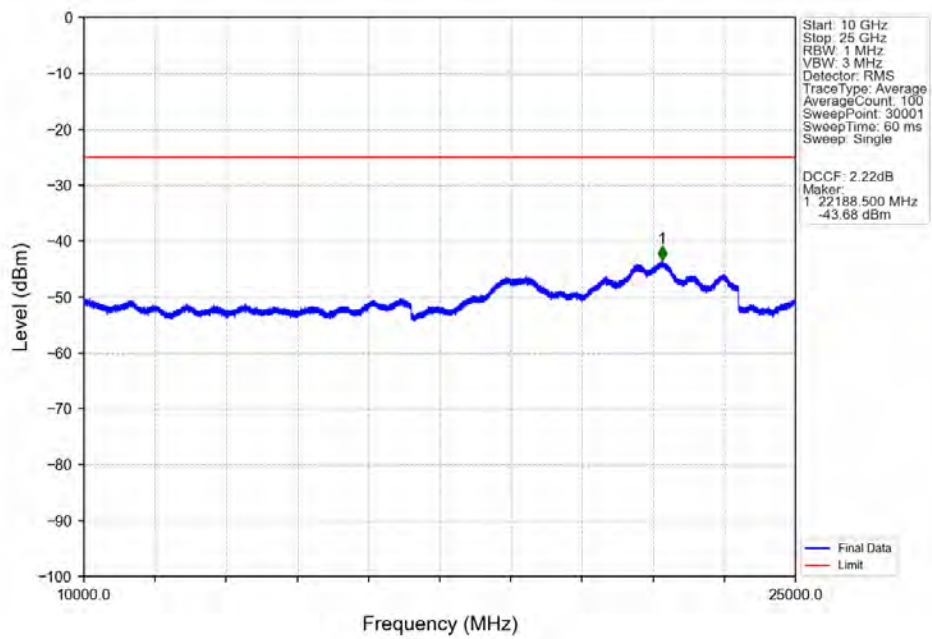
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



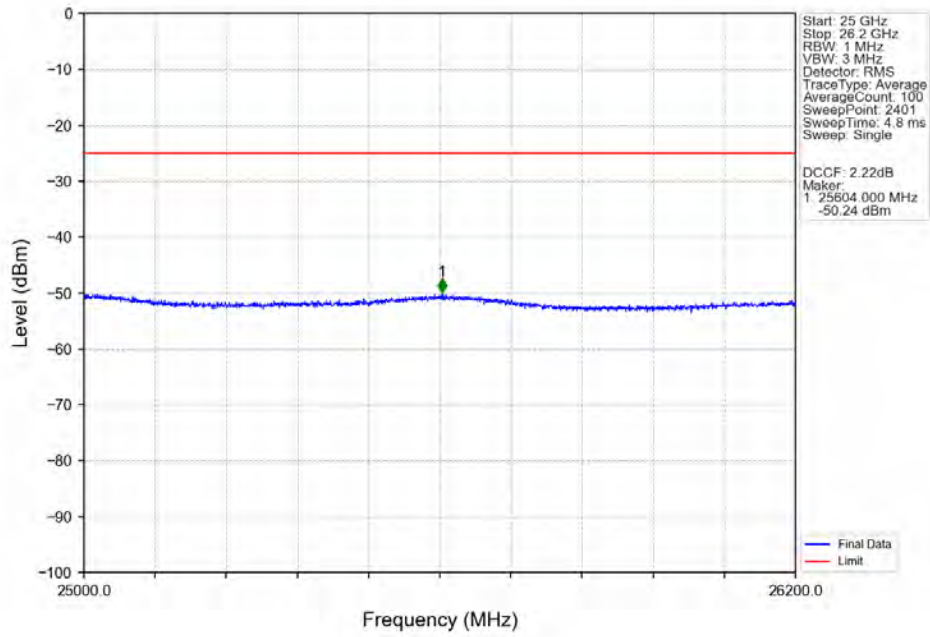
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



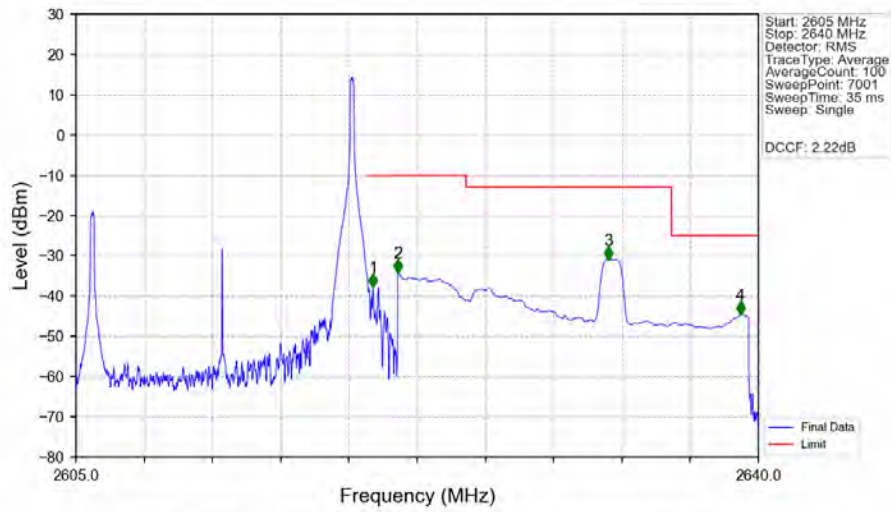
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV

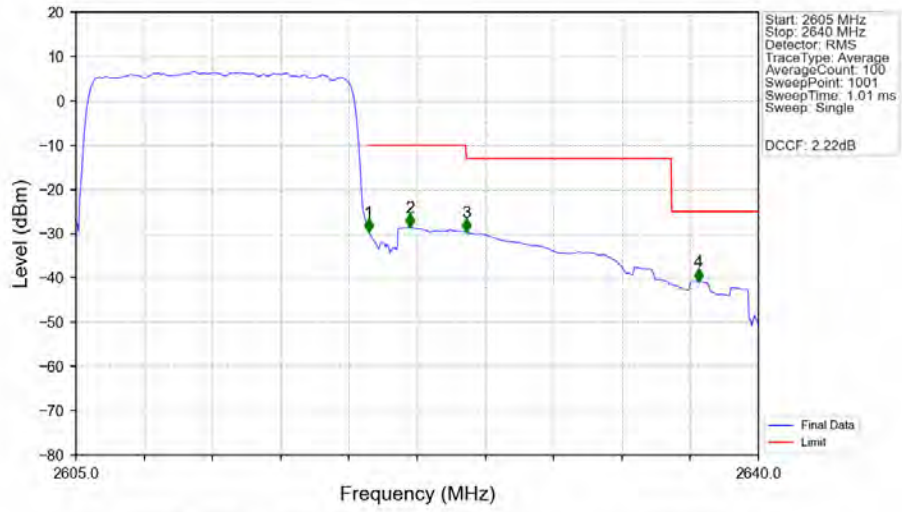


Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_74_NTNV



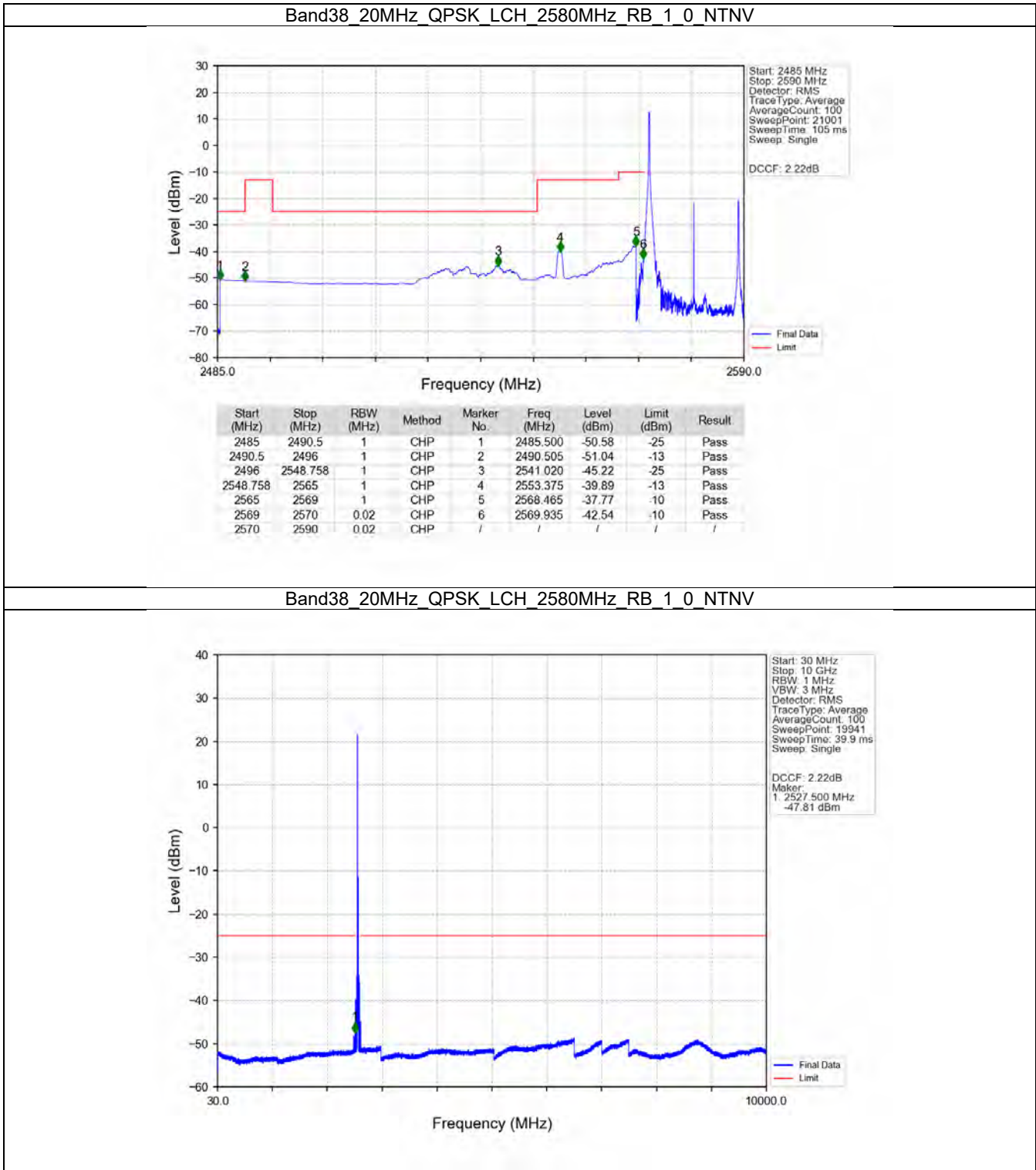
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.02	CHP	/	/	/	/	/
2620	2621	0.02	CHP	1	2620.235	-37.96	-10	Pass
2621	2625	1	CHP	2	2621.500	-34.32	-10	Pass
2625	2635.541	1	CHP	3	2632.290	-30.96	-13	Pass
2635.541	2640	1	CHP	4	2639.090	-44.62	-25	Pass

Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV

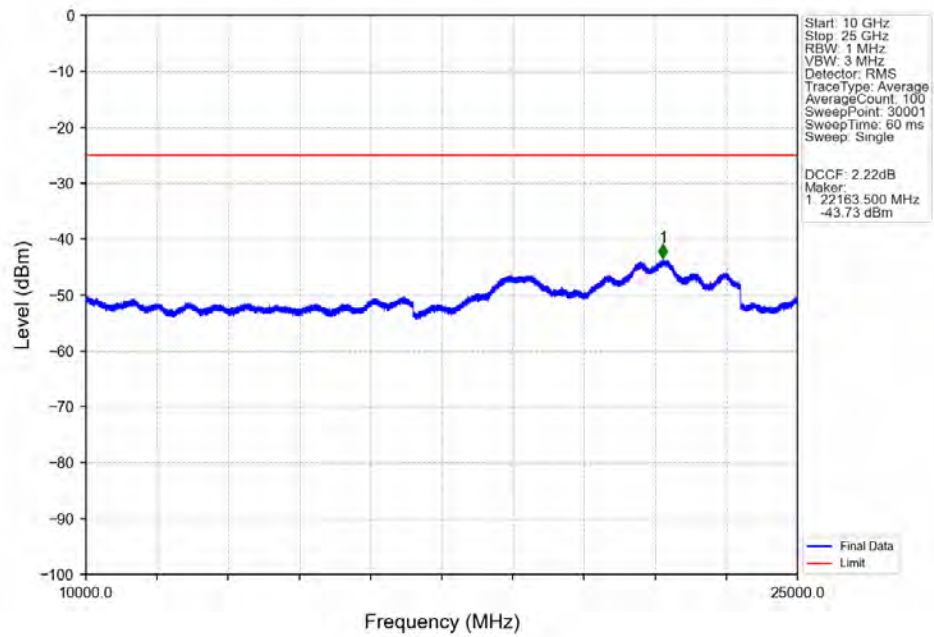


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.311	CHP	/	/	/	/	/
2620	2621	0.311	CHP	1	2620.015	-29.65	-10	Pass
2621	2625	1	CHP	2	2622.115	-28.58	-10	Pass
2625	2635.541	1	CHP	3	2625.020	-29.65	-13	Pass
2635.541	2640	1	CHP	4	2636.920	-40.87	-25	Pass

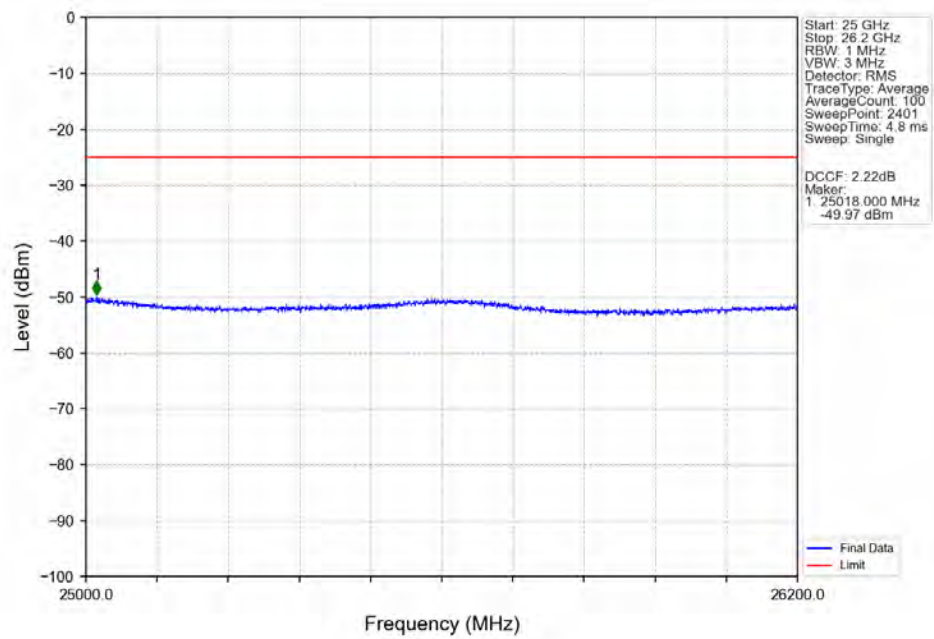
5.2.4 B38_20MHz



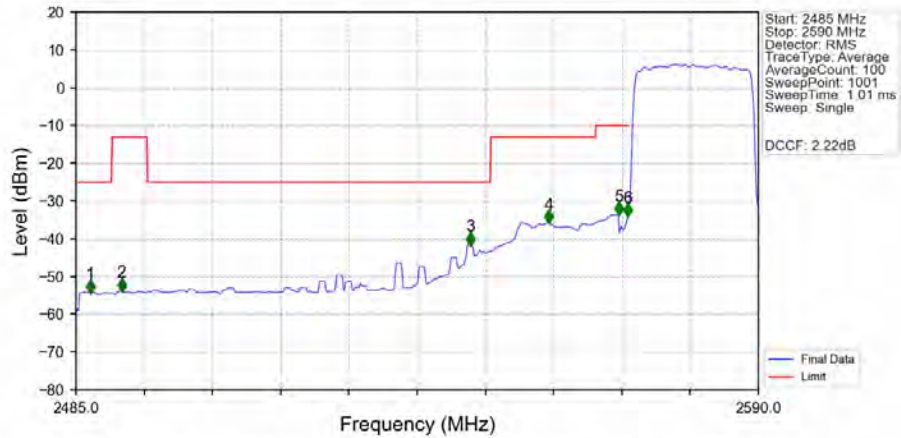
Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_1_0_NTNV

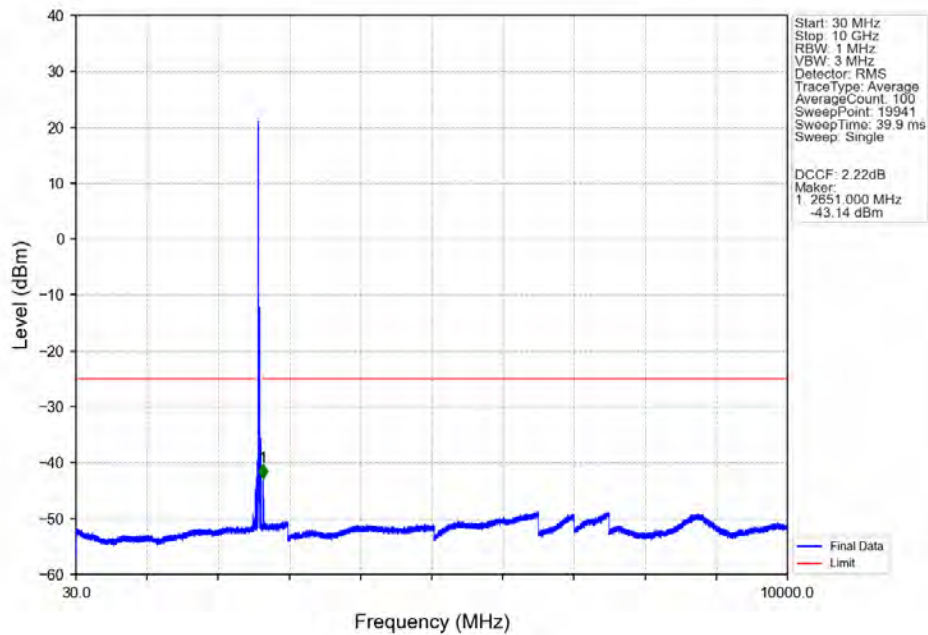


Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV

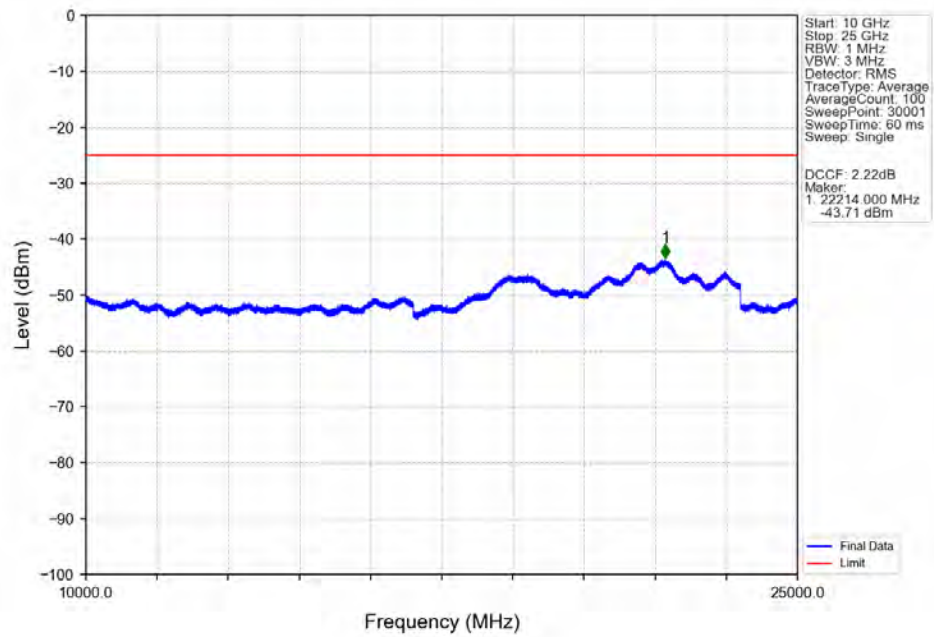


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.205	-54.16	-25	Pass
2490.5	2496	1	CHP	2	2492.035	-53.70	-13	Pass
2496	2548.758	1	CHP	3	2545.690	-41.54	-25	Pass
2548.758	2565	1	CHP	4	2557.765	-35.68	-13	Pass
2565	2569	1	CHP	5	2568.475	-33.51	-10	Pass
2569	2570	0.425	CHP	6	2569.945	-33.90	-10	Pass
2570	2590	0.425	CHP	/	/	/	/	/

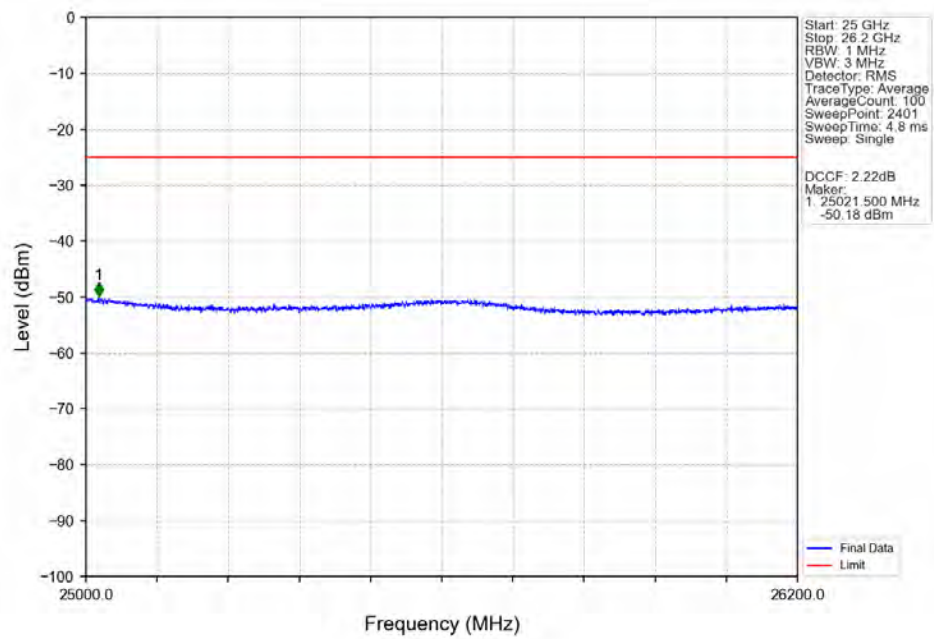
Band38_20MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



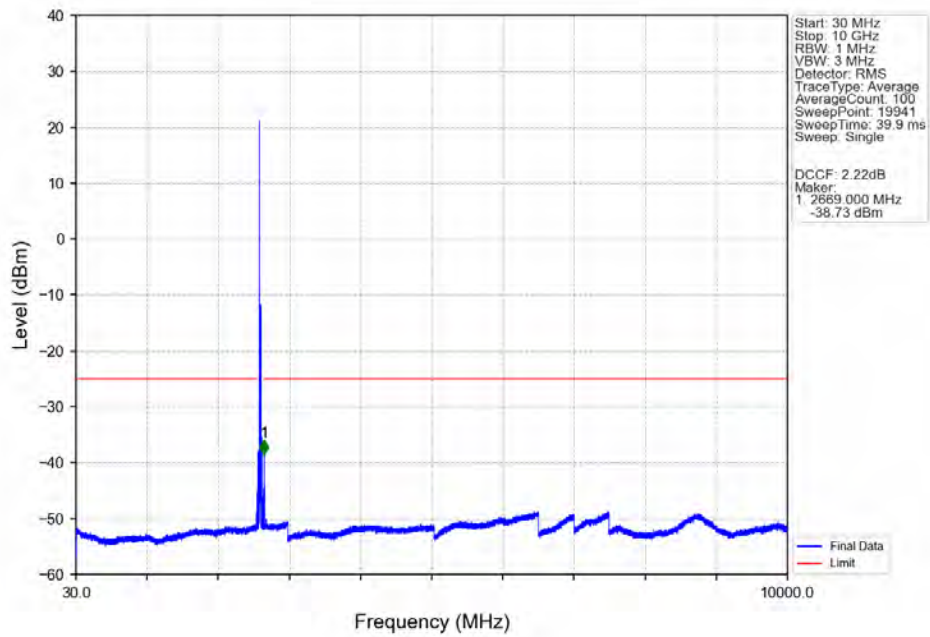
Band38 20MHz QPSK MCH 2595MHz RB 1_0 NTNV



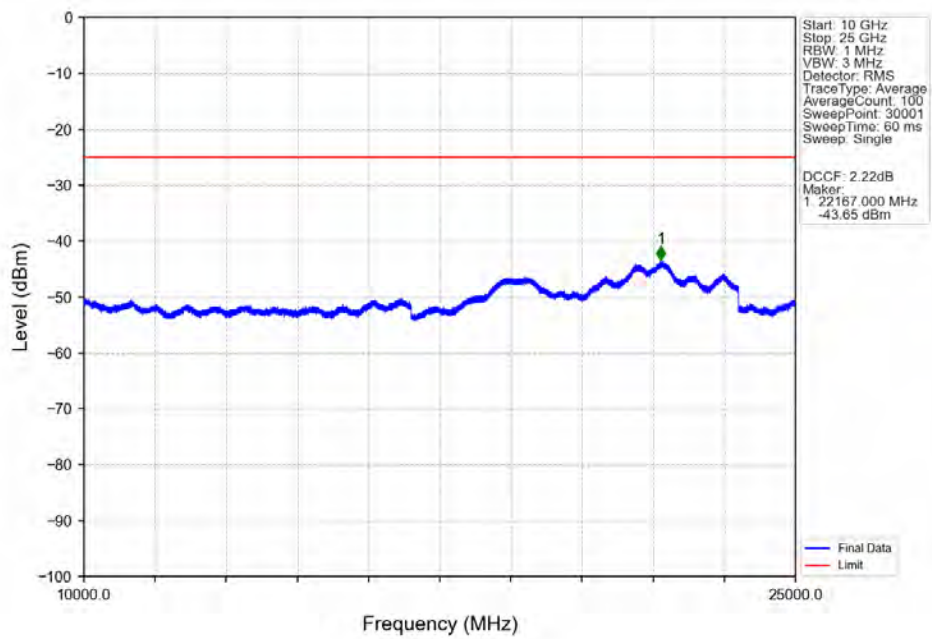
Band38 20MHz QPSK MCH 2595MHz RB 1_0 NTNV



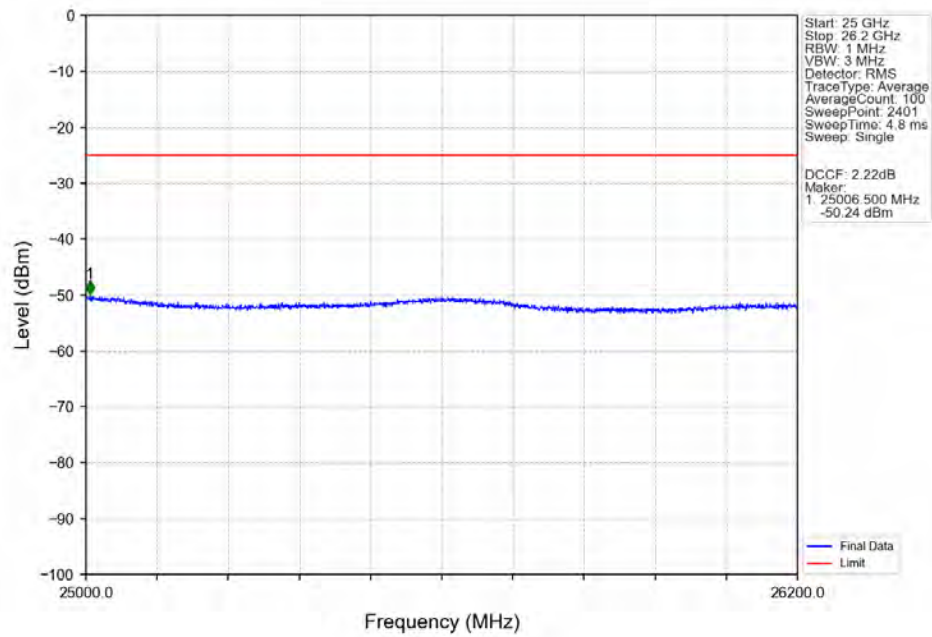
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTN



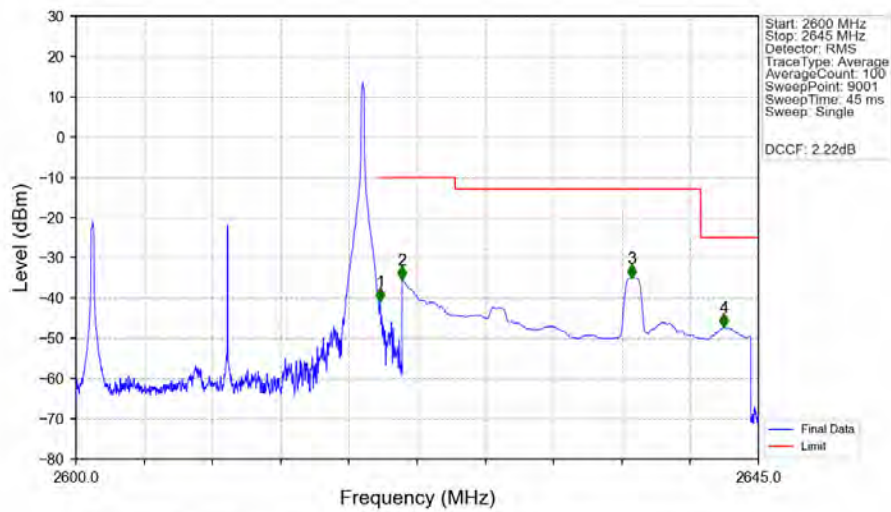
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTN



Band38 20MHz QPSK HCH 2610MHz RB 1_0 NTN

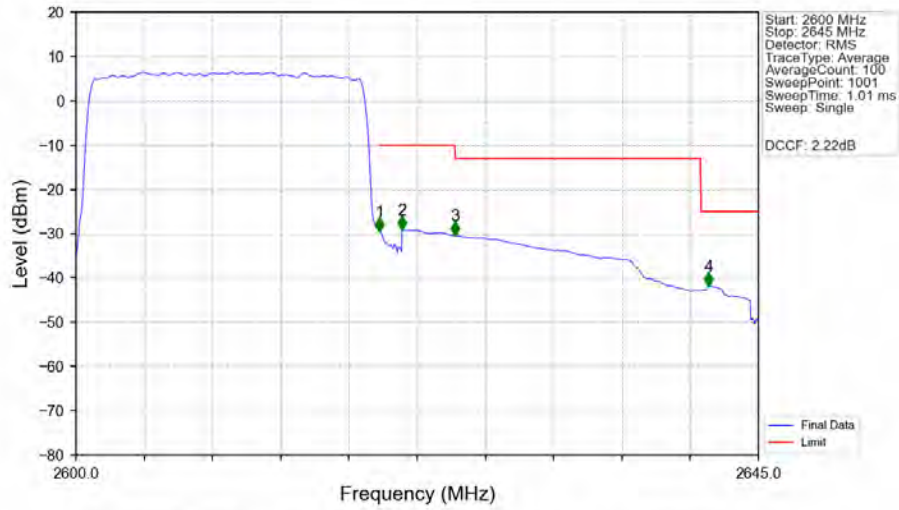


Band38 20MHz QPSK HCH 2610MHz RB 1_99 NTN



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	2620.060	-40.88	-10	Pass
2621	2625	1	CHP	2	2621.500	-35.43	-10	Pass
2625	2641.192	1	CHP	3	2636.645	-35.00	-13	Pass
2641.192	2645	1	CHP	4	2642.720	-47.26	-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	0.424	CHP	/	/	/	/	/
2620	2621	0.424	CHP	1	2620.025	-29.47	-10	Pass
2621	2625	1	CHP	2	2621.510	-29.08	-10	Pass
2625	2641.192	1	CHP	3	2625.020	-30.42	-13	Pass
2641.192	2645	1	CHP	4	2641.715	-41.83	-25	Pass

6. Field Strength of Spurious Radiation

Test Band = LTE Band 38_TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142	72.45	-47.85	31.60	-39.06	-25.00	14.06	Horizontal
2	7713.27	55.47	-45.17	36.36	-48.60	-25.00	23.60	Horizontal
3	10284.36	48.50	-41.30	39.00	-49.06	-25.00	24.06	Horizontal
4	12855.45	49.77	-39.37	38.89	-45.98	-25.00	20.98	Horizontal
5	15426.54	52.23	-37.45	39.43	-41.05	-25.00	16.05	Horizontal
6	17997.63	51.57	-36.60	44.79	-35.50	-25.00	10.50	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142	79.27	-47.85	31.60	-32.24	-25.00	7.24	Vertical
2	7713	60.72	-45.17	36.36	-43.35	-25.00	18.35	Vertical
3	10284.36	48.52	-41.30	39.00	-49.04	-25.00	24.04	Vertical
4	12855.45	48.83	-39.37	38.89	-46.92	-25.00	21.92	Vertical
5	15426.54	51.99	-37.45	39.43	-41.29	-25.00	16.29	Vertical
6	17997.63	51.25	-36.60	44.79	-35.82	-25.00	10.82	Vertical

Test Band = LTE Band 38_TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5172	73.64	-47.87	31.68	-37.81	-25.00	12.81	Horizontal
2	7758	57.08	-45.04	36.35	-46.87	-25.00	21.87	Horizontal
3	17800	51.69	-37.42	43.60	-37.39	-25.00	12.39	Horizontal
4	10344.36	48.61	-41.19	39.04	-48.80	-25.00	23.80	Horizontal
5	12930.45	49.15	-39.42	38.84	-46.69	-25.00	21.69	Horizontal
6	15516.54	51.14	-37.99	39.27	-42.84	-25.00	17.84	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5172	79.34	-47.87	31.68	-32.11	-25.00	7.11	Vertical
2	17616.5	51.80	-36.99	42.50	-37.95	-25.00	12.95	Vertical
3	7758.27	57.48	-45.03	36.35	-46.47	-25.00	21.47	Vertical
4	10344.36	52.67	-41.19	39.04	-44.74	-25.00	19.74	Vertical
5	12930.45	48.78	-39.42	38.84	-47.06	-25.00	22.06	Vertical
6	15516.54	50.86	-37.99	39.27	-43.12	-25.00	18.12	Vertical

Test Band = LTE Band 38_TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17899.5	51.75	-36.44	44.20	-35.76	-25.00	10.76	Horizontal
2	5202.18	71.30	-47.89	31.77	-40.08	-25.00	15.08	Horizontal
3	7803.27	55.63	-44.93	36.34	-48.22	-25.00	23.22	Horizontal
4	10404.36	48.38	-41.21	39.08	-49.01	-25.00	24.01	Horizontal
5	13005.45	48.49	-39.34	38.81	-47.30	-25.00	22.30	Horizontal
6	15606.54	50.95	-37.65	39.11	-42.85	-25.00	17.85	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7803	55.39	-44.93	36.34	-48.46	-25.00	23.46	Vertical
2	17866	53.08	-36.77	44.00	-34.96	-25.00	9.96	Vertical
3	5202.18	73.69	-47.89	31.77	-37.69	-25.00	12.69	Vertical
4	10404.36	48.64	-41.21	39.08	-48.75	-25.00	23.75	Vertical
5	13005.45	48.22	-39.34	38.81	-47.57	-25.00	22.57	Vertical
6	15606.54	51.85	-37.65	39.11	-41.95	-25.00	16.95	Vertical