

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B41_5MHz_EIRP

Band: 41 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2498.5	1	0	23.98	0.75	24.73	<=33.01	Pass
			13	23.96	0.75	24.71	<=33.01	Pass
			24	23.97	0.75	24.72	<=33.01	Pass
		12	0	22.81	0.75	23.56	<=33.01	Pass
			6	22.78	0.75	23.53	<=33.01	Pass
			13	22.89	0.75	23.64	<=33.01	Pass
		25	0	22.85	0.75	23.60	<=33.01	Pass
	2593	1	0	23.57	0.75	24.32	<=33.01	Pass
			13	23.44	0.75	24.19	<=33.01	Pass
			24	23.44	0.75	24.19	<=33.01	Pass
		12	0	22.38	0.75	23.13	<=33.01	Pass
			6	22.42	0.75	23.17	<=33.01	Pass
			13	22.38	0.75	23.13	<=33.01	Pass
		25	0	22.46	0.75	23.21	<=33.01	Pass
	2687.5	1	0	23.05	0.75	23.80	<=33.01	Pass
			13	23.07	0.75	23.82	<=33.01	Pass
			24	23.14	0.75	23.89	<=33.01	Pass
		12	0	22.02	0.75	22.77	<=33.01	Pass
			6	22.09	0.75	22.84	<=33.01	Pass
			13	22.09	0.75	22.84	<=33.01	Pass
		25	0	22.10	0.75	22.85	<=33.01	Pass
16QAM	2498.5	1	0	22.90	0.75	23.65	<=33.01	Pass
			13	23.10	0.75	23.85	<=33.01	Pass
			24	22.86	0.75	23.61	<=33.01	Pass
		12	0	21.69	0.75	22.44	<=33.01	Pass
			6	21.68	0.75	22.43	<=33.01	Pass
			13	21.76	0.75	22.51	<=33.01	Pass
		25	0	21.70	0.75	22.45	<=33.01	Pass
	2593	1	0	22.44	0.75	23.19	<=33.01	Pass
			13	22.10	0.75	22.85	<=33.01	Pass
			24	22.44	0.75	23.19	<=33.01	Pass
		12	0	21.65	0.75	22.40	<=33.01	Pass
			6	21.63	0.75	22.38	<=33.01	Pass
			13	21.67	0.75	22.42	<=33.01	Pass
		25	0	21.64	0.75	22.39	<=33.01	Pass
	2687.5	1	0	22.07	0.75	22.82	<=33.01	Pass
			13	22.02	0.75	22.77	<=33.01	Pass
			24	22.17	0.75	22.92	<=33.01	Pass
		12	0	20.93	0.75	21.68	<=33.01	Pass
			6	20.84	0.75	21.59	<=33.01	Pass
			13	20.88	0.75	21.63	<=33.01	Pass
		25	0	20.91	0.75	21.66	<=33.01	Pass
64QAM	2498.5	1	0	21.79	0.75	22.54	<=33.01	Pass
			13	21.41	0.75	22.16	<=33.01	Pass
			24	21.43	0.75	22.18	<=33.01	Pass
		12	0	20.80	0.75	21.55	<=33.01	Pass
			6	20.74	0.75	21.49	<=33.01	Pass
			13	20.76	0.75	21.51	<=33.01	Pass
		25	0	20.71	0.75	21.46	<=33.01	Pass

	2593	1	0	21.77	0.75	22.52	<=33.01	Pass
			13	21.37	0.75	22.12	<=33.01	Pass
			24	21.78	0.75	22.53	<=33.01	Pass
		12	0	20.64	0.75	21.39	<=33.01	Pass
			6	20.56	0.75	21.31	<=33.01	Pass
			13	20.70	0.75	21.45	<=33.01	Pass
		25	0	20.71	0.75	21.46	<=33.01	Pass
	2687.5	1	0	21.02	0.75	21.77	<=33.01	Pass
			13	20.85	0.75	21.60	<=33.01	Pass
			24	20.84	0.75	21.59	<=33.01	Pass
		12	0	19.94	0.75	20.69	<=33.01	Pass
			6	19.87	0.75	20.62	<=33.01	Pass
			13	19.92	0.75	20.67	<=33.01	Pass
		25	0	19.89	0.75	20.64	<=33.01	Pass
256QAM	2498.5	1	0	19.03	0.75	19.78	<=33.01	Pass
			13	18.92	0.75	19.67	<=33.01	Pass
			24	18.87	0.75	19.62	<=33.01	Pass
		12	0	18.61	0.75	19.36	<=33.01	Pass
			6	18.65	0.75	19.40	<=33.01	Pass
			13	18.64	0.75	19.39	<=33.01	Pass
		25	0	18.63	0.75	19.38	<=33.01	Pass
	2593	1	0	18.39	0.75	19.14	<=33.01	Pass
			13	18.72	0.75	19.47	<=33.01	Pass
			24	18.83	0.75	19.58	<=33.01	Pass
		12	0	18.64	0.75	19.39	<=33.01	Pass
			6	18.68	0.75	19.43	<=33.01	Pass
			13	18.72	0.75	19.47	<=33.01	Pass
		25	0	18.62	0.75	19.37	<=33.01	Pass
	2687.5	1	0	17.91	0.75	18.66	<=33.01	Pass
			13	17.75	0.75	18.50	<=33.01	Pass
			24	17.93	0.75	18.68	<=33.01	Pass
		12	0	17.92	0.75	18.67	<=33.01	Pass
			6	17.83	0.75	18.58	<=33.01	Pass
			13	17.87	0.75	18.62	<=33.01	Pass
		25	0	17.90	0.75	18.65	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2501	1	0	23.91	0.75	24.66	<=33.01	Pass
			25	23.96	0.75	24.71	<=33.01	Pass
			49	23.97	0.75	24.72	<=33.01	Pass
		25	0	22.88	0.75	23.63	<=33.01	Pass
			13	22.91	0.75	23.66	<=33.01	Pass
			25	22.97	0.75	23.72	<=33.01	Pass
		50	0	22.93	0.75	23.68	<=33.01	Pass
	2593	1	0	23.49	0.75	24.24	<=33.01	Pass
			25	23.46	0.75	24.21	<=33.01	Pass
			49	23.39	0.75	24.14	<=33.01	Pass
		25	0	22.48	0.75	23.23	<=33.01	Pass
			13	22.45	0.75	23.20	<=33.01	Pass
			25	22.43	0.75	23.18	<=33.01	Pass
		50	0	22.48	0.75	23.23	<=33.01	Pass
	2685	1	0	23.07	0.75	23.82	<=33.01	Pass

			25	23.01	0.75	23.76	<=33.01	Pass
			49	23.08	0.75	23.83	<=33.01	Pass
			0	22.05	0.75	22.80	<=33.01	Pass
		25	13	22.03	0.75	22.78	<=33.01	Pass
			25	22.08	0.75	22.83	<=33.01	Pass
			0	22.10	0.75	22.85	<=33.01	Pass
		50	0	22.80	0.75	23.55	<=33.01	Pass
16QAM	2501	1	0	22.77	0.75	23.52	<=33.01	Pass
			49	23.09	0.75	23.84	<=33.01	Pass
			0	21.63	0.75	22.38	<=33.01	Pass
		25	13	21.72	0.75	22.47	<=33.01	Pass
			25	21.74	0.75	22.49	<=33.01	Pass
			0	21.72	0.75	22.47	<=33.01	Pass
		50	0	22.43	0.75	23.18	<=33.01	Pass
	2593	1	25	22.69	0.75	23.44	<=33.01	Pass
			49	22.73	0.75	23.48	<=33.01	Pass
			0	21.66	0.75	22.41	<=33.01	Pass
		25	13	21.68	0.75	22.43	<=33.01	Pass
			25	21.62	0.75	22.37	<=33.01	Pass
			0	21.57	0.75	22.32	<=33.01	Pass
		50	0	21.79	0.75	22.54	<=33.01	Pass
	2685	1	25	22.24	0.75	22.99	<=33.01	Pass
			49	22.01	0.75	22.76	<=33.01	Pass
			0	20.90	0.75	21.65	<=33.01	Pass
		25	13	20.89	0.75	21.64	<=33.01	Pass
			25	20.88	0.75	21.63	<=33.01	Pass
			0	20.83	0.75	21.58	<=33.01	Pass
		50	0	21.85	0.75	22.60	<=33.01	Pass
64QAM	2501	1	25	21.47	0.75	22.22	<=33.01	Pass
			49	21.50	0.75	22.25	<=33.01	Pass
			0	20.69	0.75	21.44	<=33.01	Pass
		25	13	20.67	0.75	21.42	<=33.01	Pass
			25	20.60	0.75	21.35	<=33.01	Pass
			0	20.75	0.75	21.50	<=33.01	Pass
		50	0	21.81	0.75	22.56	<=33.01	Pass
	2593	1	25	21.39	0.75	22.14	<=33.01	Pass
			49	21.40	0.75	22.15	<=33.01	Pass
			0	20.67	0.75	21.42	<=33.01	Pass
		25	13	20.62	0.75	21.37	<=33.01	Pass
			25	20.61	0.75	21.36	<=33.01	Pass
			0	20.56	0.75	21.31	<=33.01	Pass
		50	0	20.62	0.75	21.37	<=33.01	Pass
	2685	1	25	20.91	0.75	21.66	<=33.01	Pass
			49	20.54	0.75	21.29	<=33.01	Pass
			0	19.81	0.75	20.56	<=33.01	Pass
		25	13	19.78	0.75	20.53	<=33.01	Pass
			25	19.71	0.75	20.46	<=33.01	Pass
			0	19.88	0.75	20.63	<=33.01	Pass
		50	0	18.34	0.75	19.09	<=33.01	Pass
256QAM	2501	1	25	18.87	0.75	19.62	<=33.01	Pass
			49	18.49	0.75	19.24	<=33.01	Pass
			0	18.63	0.75	19.38	<=33.01	Pass
		25	13	18.72	0.75	19.47	<=33.01	Pass
			25	18.71	0.75	19.46	<=33.01	Pass
			0	18.72	0.75	19.47	<=33.01	Pass
		50	0	18.36	0.75	19.11	<=33.01	Pass
	2593	1	25	18.40	0.75	19.15	<=33.01	Pass
			49	18.28	0.75	19.03	<=33.01	Pass
			0	18.65	0.75	19.40	<=33.01	Pass

			13	18.63	0.75	19.38	<=33.01	Pass
			25	18.58	0.75	19.33	<=33.01	Pass
		50	0	18.62	0.75	19.37	<=33.01	Pass
	2685	1	0	17.62	0.75	18.37	<=33.01	Pass
			25	17.60	0.75	18.35	<=33.01	Pass
			49	18.07	0.75	18.82	<=33.01	Pass
		25	0	17.88	0.75	18.63	<=33.01	Pass
			13	17.83	0.75	18.58	<=33.01	Pass
			25	17.84	0.75	18.59	<=33.01	Pass
		50	0	17.83	0.75	18.58	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	22.90	0.75	23.65	<=33.01	Pass
			38	22.90	0.75	23.65	<=33.01	Pass
			74	22.92	0.75	23.67	<=33.01	Pass
		36	0	22.91	0.75	23.66	<=33.01	Pass
			18	22.91	0.75	23.66	<=33.01	Pass
			39	22.93	0.75	23.68	<=33.01	Pass
		75	0	22.92	0.75	23.67	<=33.01	Pass
	2593	1	0	23.42	0.75	24.17	<=33.01	Pass
			38	23.39	0.75	24.14	<=33.01	Pass
			74	23.56	0.75	24.31	<=33.01	Pass
		36	0	22.44	0.75	23.19	<=33.01	Pass
			18	22.41	0.75	23.16	<=33.01	Pass
			39	22.40	0.75	23.15	<=33.01	Pass
		75	0	22.46	0.75	23.21	<=33.01	Pass
	2682.5	1	0	22.03	0.75	22.78	<=33.01	Pass
			38	22.02	0.75	22.77	<=33.01	Pass
			74	22.03	0.75	22.78	<=33.01	Pass
		36	0	22.03	0.75	22.78	<=33.01	Pass
			18	22.04	0.75	22.79	<=33.01	Pass
			39	22.03	0.75	22.78	<=33.01	Pass
		75	0	22.04	0.75	22.79	<=33.01	Pass
16QAM	2503.5	1	0	22.91	0.75	23.66	<=33.01	Pass
			38	22.90	0.75	23.65	<=33.01	Pass
			74	22.90	0.75	23.65	<=33.01	Pass
		36	0	22.94	0.75	23.69	<=33.01	Pass
			18	22.93	0.75	23.68	<=33.01	Pass
			39	22.93	0.75	23.68	<=33.01	Pass
		75	0	22.91	0.75	23.66	<=33.01	Pass
	2593	1	0	22.80	0.75	23.55	<=33.01	Pass
			38	22.80	0.75	23.55	<=33.01	Pass
			74	22.47	0.75	23.22	<=33.01	Pass
		36	0	21.70	0.75	22.45	<=33.01	Pass
			18	21.72	0.75	22.47	<=33.01	Pass
			39	21.61	0.75	22.36	<=33.01	Pass
		75	0	21.66	0.75	22.41	<=33.01	Pass
	2682.5	1	0	22.05	0.75	22.80	<=33.01	Pass
			38	22.06	0.75	22.81	<=33.01	Pass
			74	22.05	0.75	22.80	<=33.01	Pass
		36	0	22.05	0.75	22.80	<=33.01	Pass
			18	22.06	0.75	22.81	<=33.01	Pass

			39	22.04	0.75	22.79	<=33.01	Pass		
		75	0	22.06	0.75	22.81	<=33.01	Pass		
64QAM	2503.5	1	0	22.91	0.75	23.66	<=33.01	Pass		
			38	22.90	0.75	23.65	<=33.01	Pass		
			74	22.90	0.75	23.65	<=33.01	Pass		
			0	22.91	0.75	23.66	<=33.01	Pass		
		36	18	22.95	0.75	23.70	<=33.01	Pass		
			39	22.91	0.75	23.66	<=33.01	Pass		
			75	0	22.93	0.75	23.68	<=33.01	Pass	
		2593	1	0	21.72	0.75	22.47	<=33.01	Pass	
				38	21.71	0.75	22.46	<=33.01	Pass	
	74			21.74	0.75	22.49	<=33.01	Pass		
	0			20.65	0.75	21.40	<=33.01	Pass		
	36		18	20.58	0.75	21.33	<=33.01	Pass		
			39	20.62	0.75	21.37	<=33.01	Pass		
			75	0	20.64	0.75	21.39	<=33.01	Pass	
	2682.5		1	0	22.07	0.75	22.82	<=33.01	Pass	
				38	22.07	0.75	22.82	<=33.01	Pass	
		74		22.07	0.75	22.82	<=33.01	Pass		
		0		22.06	0.75	22.81	<=33.01	Pass		
		36	18	22.05	0.75	22.80	<=33.01	Pass		
			39	22.04	0.75	22.79	<=33.01	Pass		
			75	0	22.04	0.75	22.79	<=33.01	Pass	
		256QAM	2503.5	1	0	18.74	0.75	19.49	<=33.01	Pass
					38	18.48	0.75	19.23	<=33.01	Pass
74	18.58				0.75	19.33	<=33.01	Pass		
36	0			18.81	0.75	19.56	<=33.01	Pass		
	18			18.63	0.75	19.38	<=33.01	Pass		
	39			18.66	0.75	19.41	<=33.01	Pass		
75	0			18.65	0.75	19.40	<=33.01	Pass		
2593	1		0	18.47	0.75	19.22	<=33.01	Pass		
			38	18.52	0.75	19.27	<=33.01	Pass		
			74	18.44	0.75	19.19	<=33.01	Pass		
	36		0	18.59	0.75	19.34	<=33.01	Pass		
			18	18.64	0.75	19.39	<=33.01	Pass		
			39	18.58	0.75	19.33	<=33.01	Pass		
	75		0	18.64	0.75	19.39	<=33.01	Pass		
2682.5	1		0	17.82	0.75	18.57	<=33.01	Pass		
			38	17.97	0.75	18.72	<=33.01	Pass		
			74	17.62	0.75	18.37	<=33.01	Pass		
	36		0	17.64	0.75	18.39	<=33.01	Pass		
			18	17.77	0.75	18.52	<=33.01	Pass		
			39	17.85	0.75	18.60	<=33.01	Pass		
	75		0	17.78	0.75	18.53	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	23.97	0.75	24.72	<=33.01	Pass
			50	23.98	0.75	24.73	<=33.01	Pass
			99	23.76	0.75	24.51	<=33.01	Pass
		50	0	22.92	0.75	23.67	<=33.01	Pass
			25	22.91	0.75	23.66	<=33.01	Pass
			50	22.89	0.75	23.64	<=33.01	Pass

		100	0	22.95	0.75	23.70	<=33.01	Pass
	2593	1	0	23.51	0.75	24.26	<=33.01	Pass
			50	23.40	0.75	24.15	<=33.01	Pass
			99	23.50	0.75	24.25	<=33.01	Pass
		50	0	22.49	0.75	23.24	<=33.01	Pass
			25	22.50	0.75	23.25	<=33.01	Pass
			50	22.49	0.75	23.24	<=33.01	Pass
	100	0	22.48	0.75	23.23	<=33.01	Pass	
	2680	1	0	23.04	0.75	23.79	<=33.01	Pass
			50	23.00	0.75	23.75	<=33.01	Pass
			99	23.01	0.75	23.76	<=33.01	Pass
		50	0	22.07	0.75	22.82	<=33.01	Pass
			25	22.08	0.75	22.83	<=33.01	Pass
			50	22.10	0.75	22.85	<=33.01	Pass
	100	0	22.10	0.75	22.85	<=33.01	Pass	
16QAM	2506	1	0	22.62	0.75	23.37	<=33.01	Pass
			50	23.07	0.75	23.82	<=33.01	Pass
			99	22.98	0.75	23.73	<=33.01	Pass
		50	0	21.70	0.75	22.45	<=33.01	Pass
			25	21.76	0.75	22.51	<=33.01	Pass
			50	21.78	0.75	22.53	<=33.01	Pass
	100	0	21.73	0.75	22.48	<=33.01	Pass	
	2593	1	0	22.18	0.75	22.93	<=33.01	Pass
			50	22.17	0.75	22.92	<=33.01	Pass
			99	22.60	0.75	23.35	<=33.01	Pass
		50	0	21.66	0.75	22.41	<=33.01	Pass
			25	21.66	0.75	22.41	<=33.01	Pass
			50	21.66	0.75	22.41	<=33.01	Pass
	100	0	21.67	0.75	22.42	<=33.01	Pass	
	2680	1	0	22.13	0.75	22.88	<=33.01	Pass
			50	22.28	0.75	23.03	<=33.01	Pass
			99	21.76	0.75	22.51	<=33.01	Pass
		50	0	20.86	0.75	21.61	<=33.01	Pass
			25	20.89	0.75	21.64	<=33.01	Pass
			50	20.86	0.75	21.61	<=33.01	Pass
	100	0	20.87	0.75	21.62	<=33.01	Pass	
64QAM	2506	1	0	21.90	0.75	22.65	<=33.01	Pass
			50	21.94	0.75	22.69	<=33.01	Pass
			99	21.51	0.75	22.26	<=33.01	Pass
		50	0	20.72	0.75	21.47	<=33.01	Pass
			25	20.76	0.75	21.51	<=33.01	Pass
			50	20.76	0.75	21.51	<=33.01	Pass
	100	0	20.78	0.75	21.53	<=33.01	Pass	
	2593	1	0	21.70	0.75	22.45	<=33.01	Pass
			50	21.66	0.75	22.41	<=33.01	Pass
			99	21.36	0.75	22.11	<=33.01	Pass
		50	0	20.70	0.75	21.45	<=33.01	Pass
			25	20.67	0.75	21.42	<=33.01	Pass
			50	20.64	0.75	21.39	<=33.01	Pass
	100	0	20.66	0.75	21.41	<=33.01	Pass	
	2680	1	0	20.64	0.75	21.39	<=33.01	Pass
			50	21.08	0.75	21.83	<=33.01	Pass
			99	21.08	0.75	21.83	<=33.01	Pass
		50	0	19.85	0.75	20.60	<=33.01	Pass
25			19.94	0.75	20.69	<=33.01	Pass	
50			19.86	0.75	20.61	<=33.01	Pass	
100	0	19.83	0.75	20.58	<=33.01	Pass		
256QAM	2506	1	0	18.35	0.75	19.10	<=33.01	Pass
			50	18.71	0.75	19.46	<=33.01	Pass

			99	18.65	0.75	19.40	<=33.01	Pass
		50	0	18.69	0.75	19.44	<=33.01	Pass
			25	18.76	0.75	19.51	<=33.01	Pass
			50	18.76	0.75	19.51	<=33.01	Pass
		100	0	18.71	0.75	19.46	<=33.01	Pass
	2593	1	0	19.01	0.75	19.76	<=33.01	Pass
			50	18.35	0.75	19.10	<=33.01	Pass
			99	18.86	0.75	19.61	<=33.01	Pass
		50	0	18.67	0.75	19.42	<=33.01	Pass
			25	18.68	0.75	19.43	<=33.01	Pass
			50	18.63	0.75	19.38	<=33.01	Pass
		100	0	18.65	0.75	19.40	<=33.01	Pass
		2680	1	0	18.04	0.75	18.79	<=33.01
	50			17.80	0.75	18.55	<=33.01	Pass
	99			17.80	0.75	18.55	<=33.01	Pass
	50		0	17.83	0.75	18.58	<=33.01	Pass
			25	17.87	0.75	18.62	<=33.01	Pass
			50	17.84	0.75	18.59	<=33.01	Pass
	100		0	17.85	0.75	18.60	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B41_10MHz

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2593	50	0	20	3.7	-6.924	-0.0027	-2.5 to 2.5	Pass
					3.91	-0.415	-0.0002	-2.5 to 2.5	Pass
					4.3	-1.802	-0.0007	-2.5 to 2.5	Pass
				-30	3.91	-0.257	-0.0001	-2.5 to 2.5	Pass
				-20	3.91	-1.302	-0.0005	-2.5 to 2.5	Pass
				-10	3.91	0.844	0.0003	-2.5 to 2.5	Pass
				0	3.91	-0.486	-0.0002	-2.5 to 2.5	Pass
				10	3.91	-4.935	-0.0019	-2.5 to 2.5	Pass
				30	3.91	-3.104	-0.0012	-2.5 to 2.5	Pass
				40	3.91	-3.033	-0.0012	-2.5 to 2.5	Pass
				50	3.91	-3.548	-0.0014	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band41_OBW

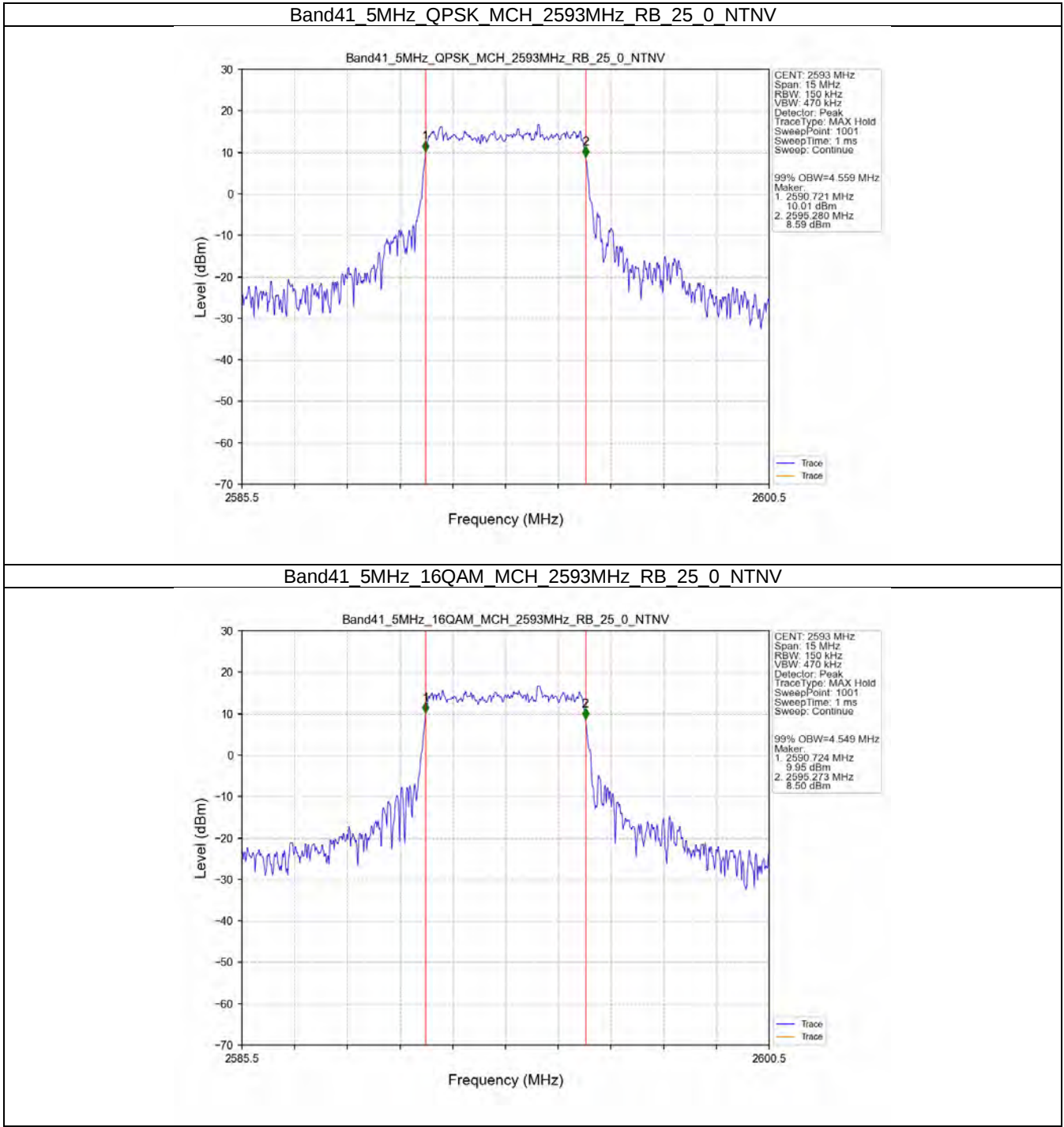
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	4.559	/	Pass
	16QAM	2593	25	0	4.549	/	Pass
10	QPSK	2593	50	0	9.087	/	Pass
	16QAM	2593	50	0	9.076	/	Pass
15	QPSK	2593	75	0	13.594	/	Pass
	16QAM	2593	75	0	13.594	/	Pass
20	QPSK	2593	100	0	18.123	/	Pass
	16QAM	2593	100	0	18.162	/	Pass

3.1.2 Band41_XDB

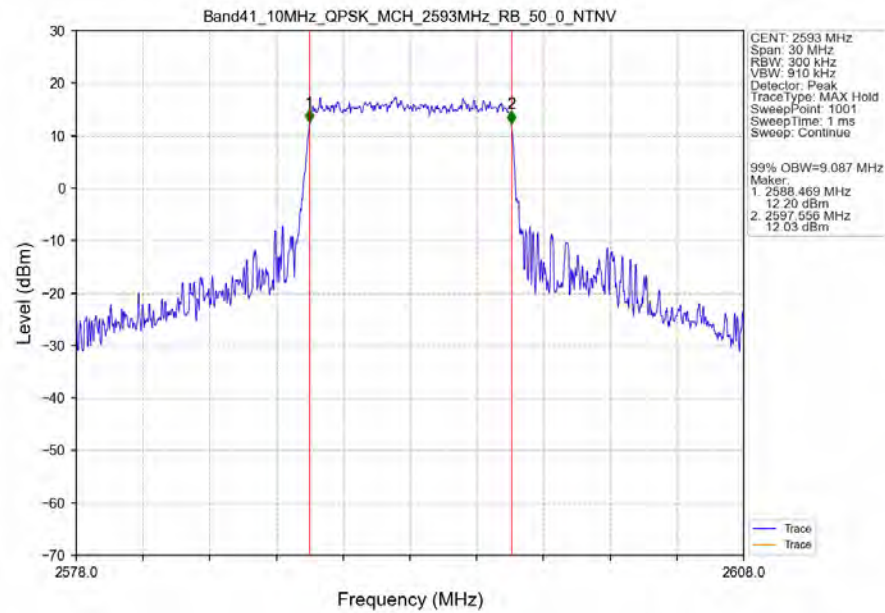
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	6.094	/	Pass
	16QAM	2593	25	0	5.964	/	Pass
10	QPSK	2593	50	0	11.829	/	Pass
	16QAM	2593	50	0	12.673	/	Pass
15	QPSK	2593	75	0	16.960	/	Pass
	16QAM	2593	75	0	17.104	/	Pass
20	QPSK	2593	100	0	25.184	/	Pass
	16QAM	2593	100	0	25.613	/	Pass

3.2 Test Graph

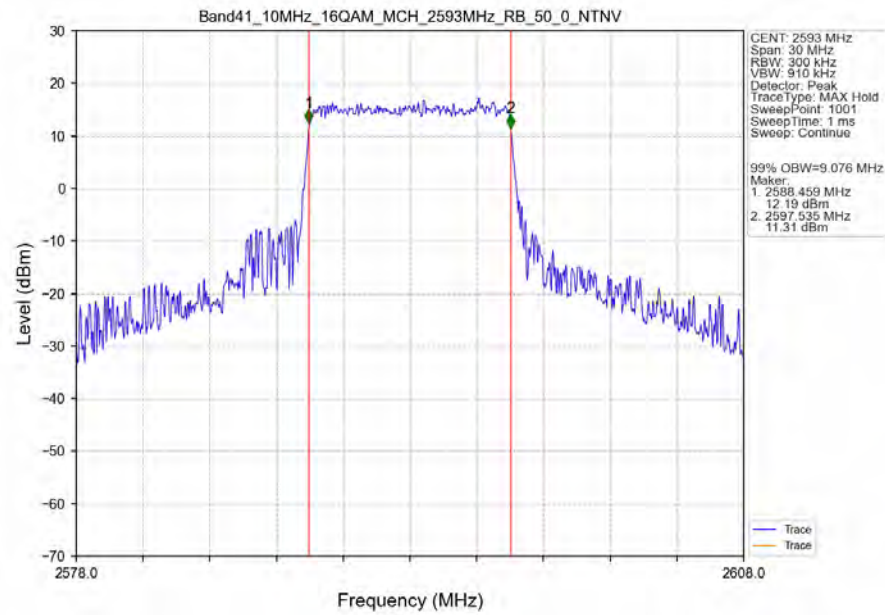
3.2.1 Band41_OBW



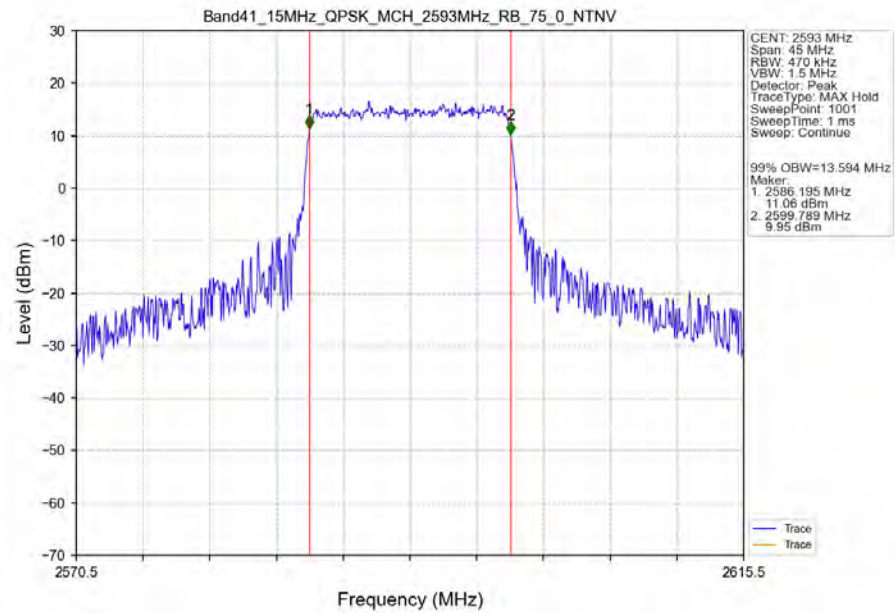
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



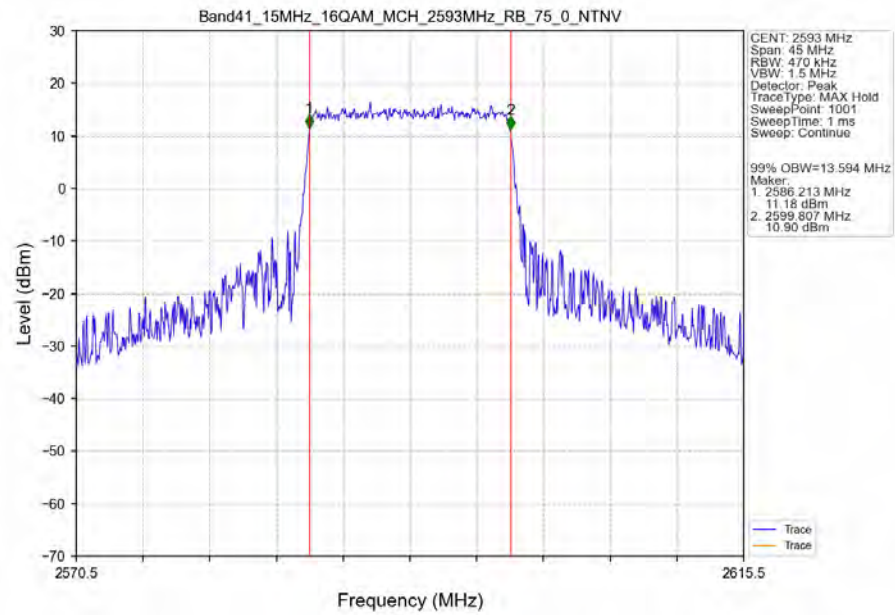
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



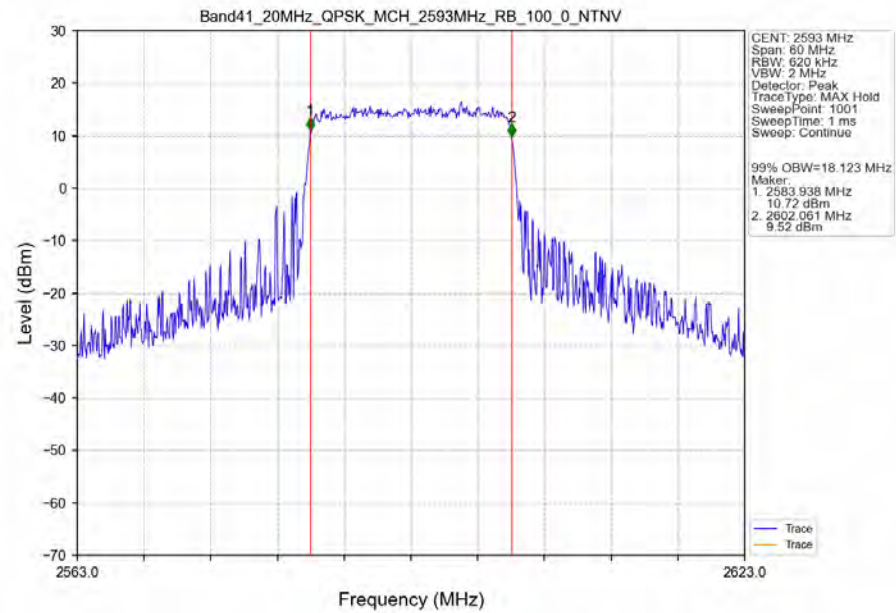
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



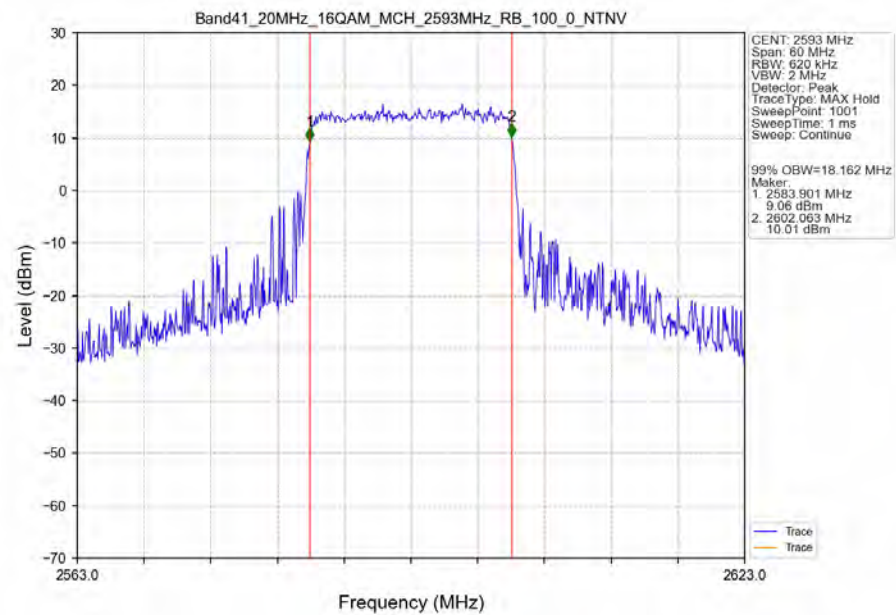
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



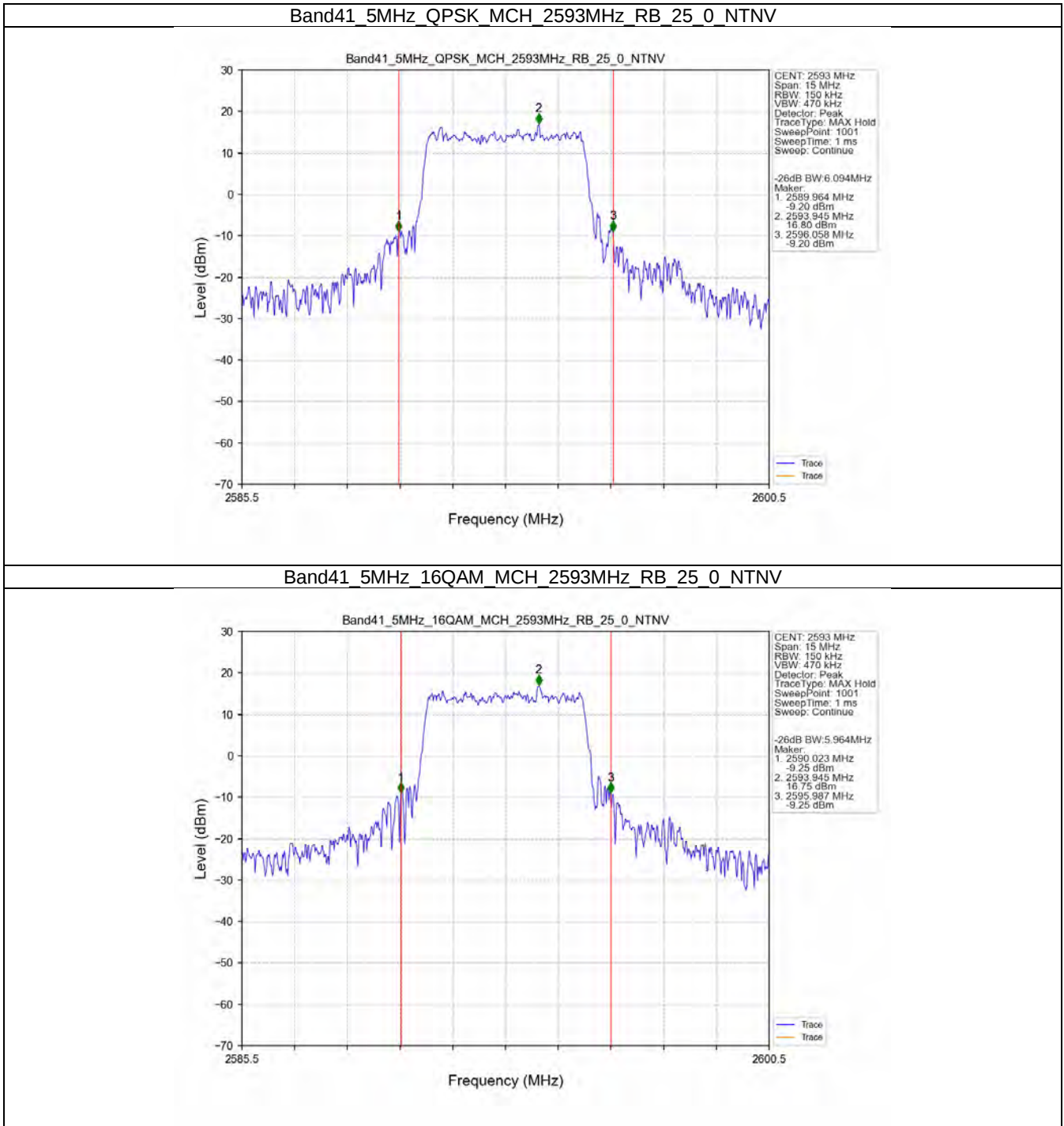
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTV



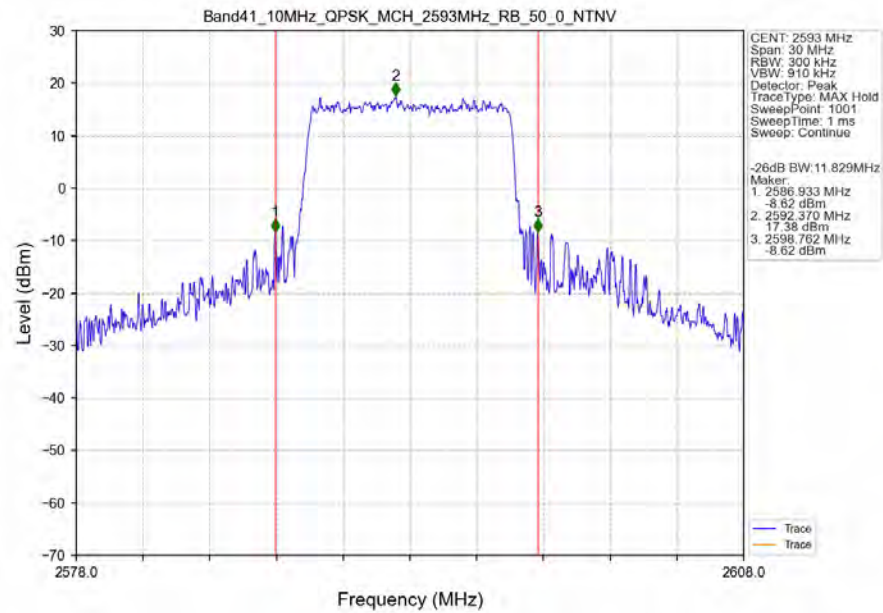
Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTV



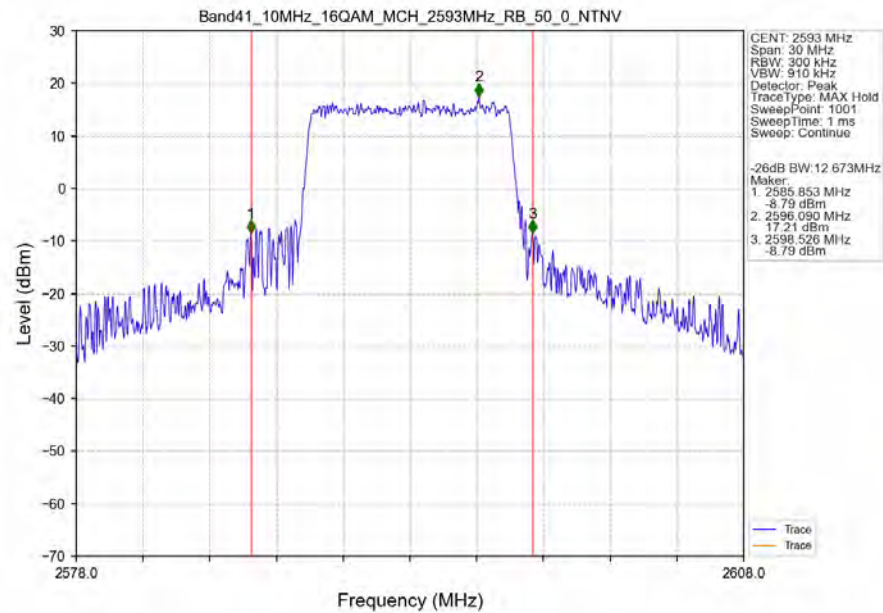
3.2.2 Band41_XDB



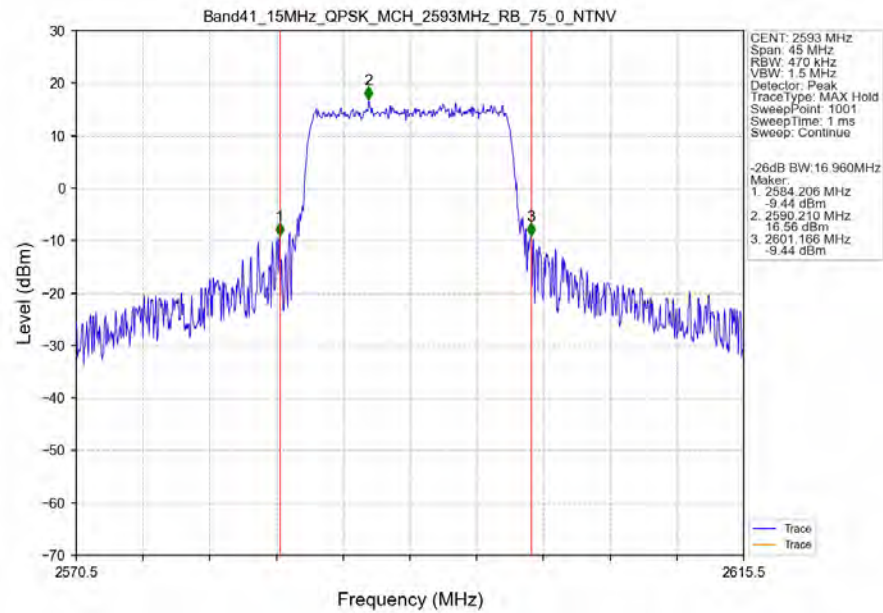
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



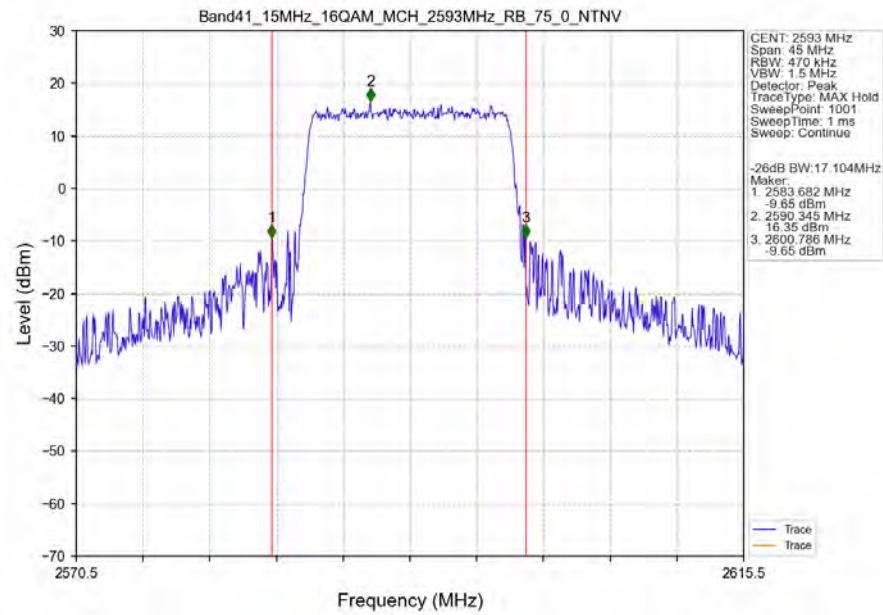
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



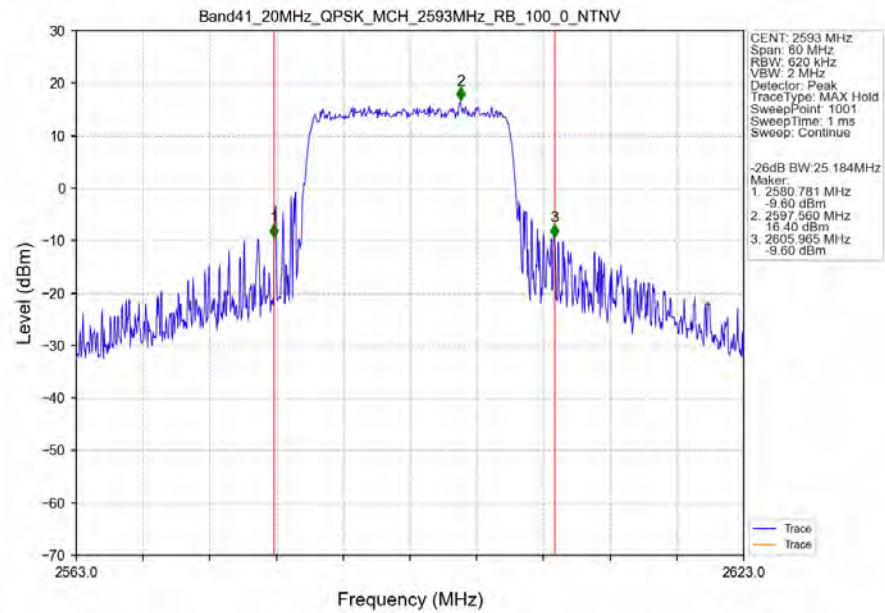
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



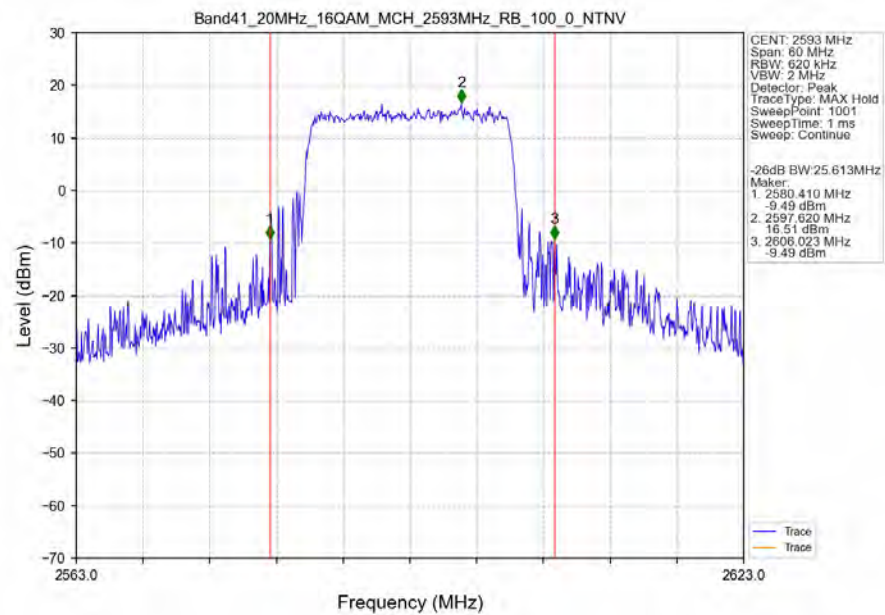
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTNV



4. Peak-Average Ratio

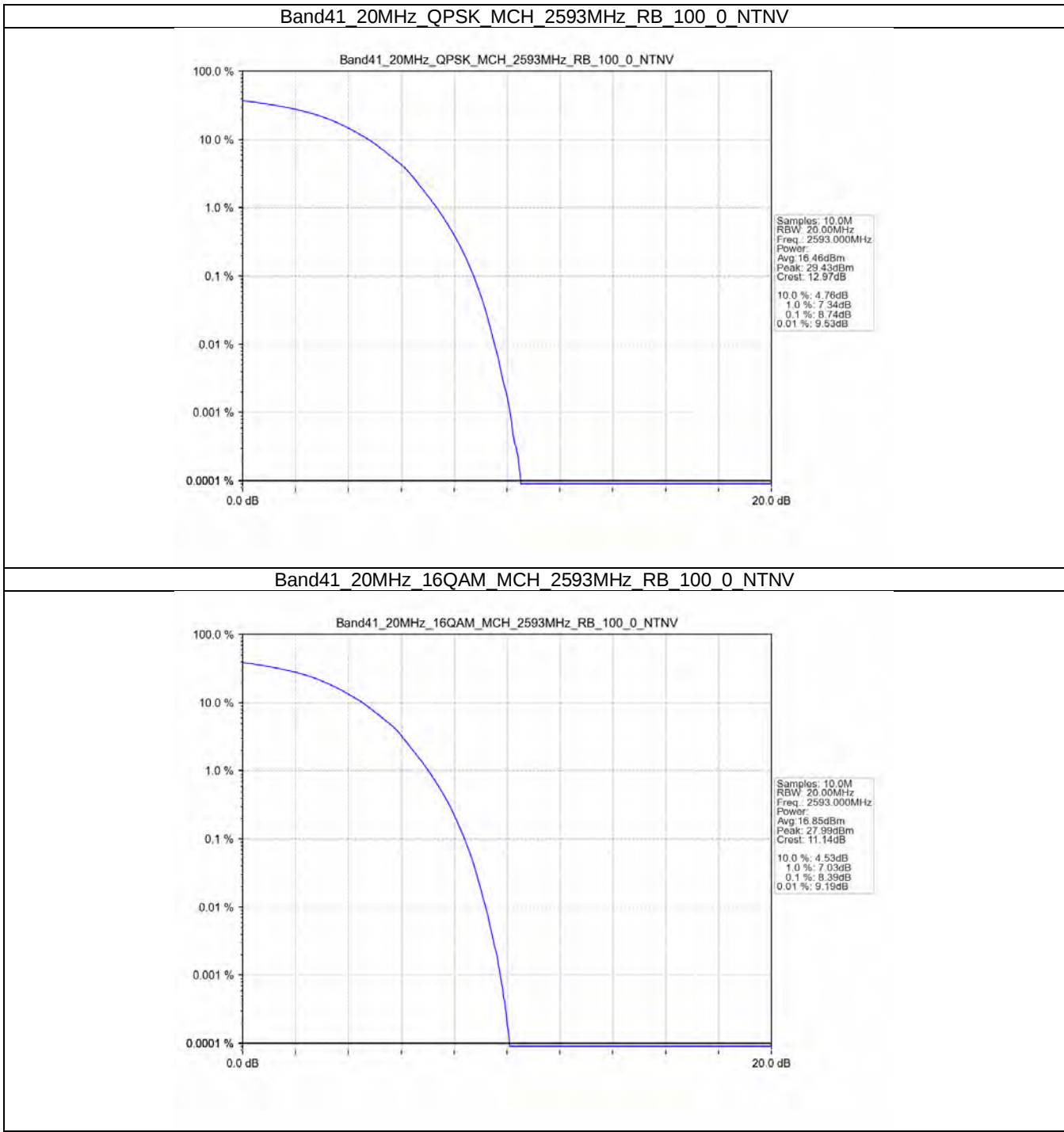
4.1 Test Result

4.1.1 B41_20MHz

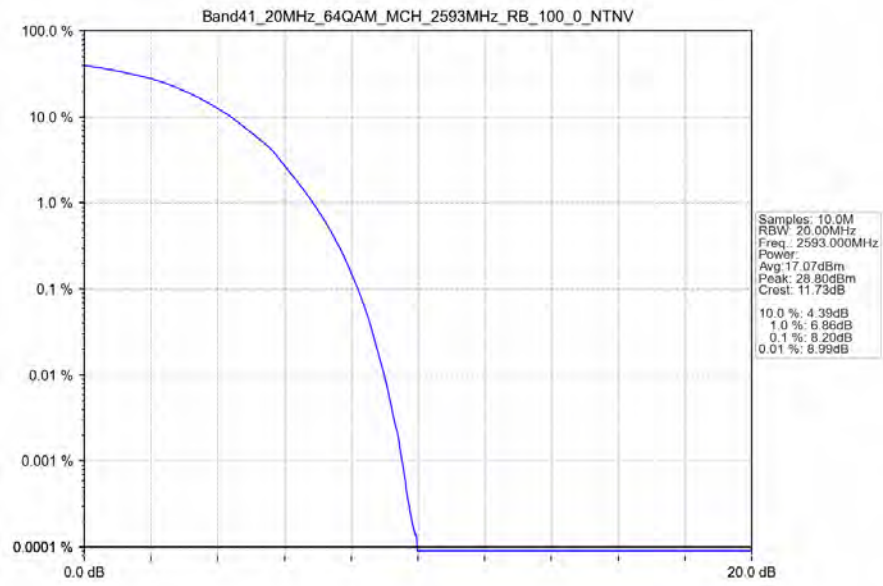
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	8.74	<=13	Pass
16QAM	2593	100	0	8.39	<=13	Pass
64QAM	2593	100	0	8.20	<=13	Pass
256QAM	2593	100	0	8.70	<=13	Pass

4.2 Test Graph

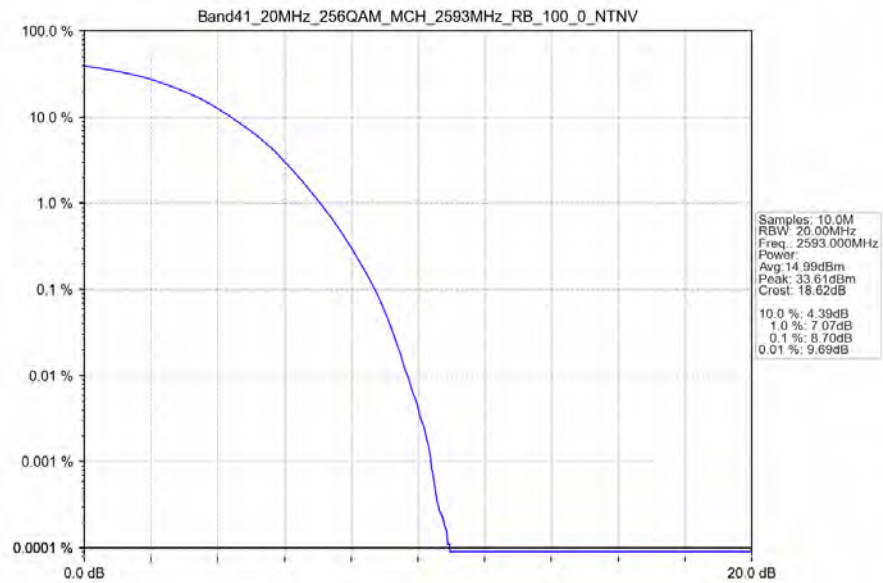
4.2.1 B41_20MHz



Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_256QAM_MCH_2593MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2685	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B41_15MHz

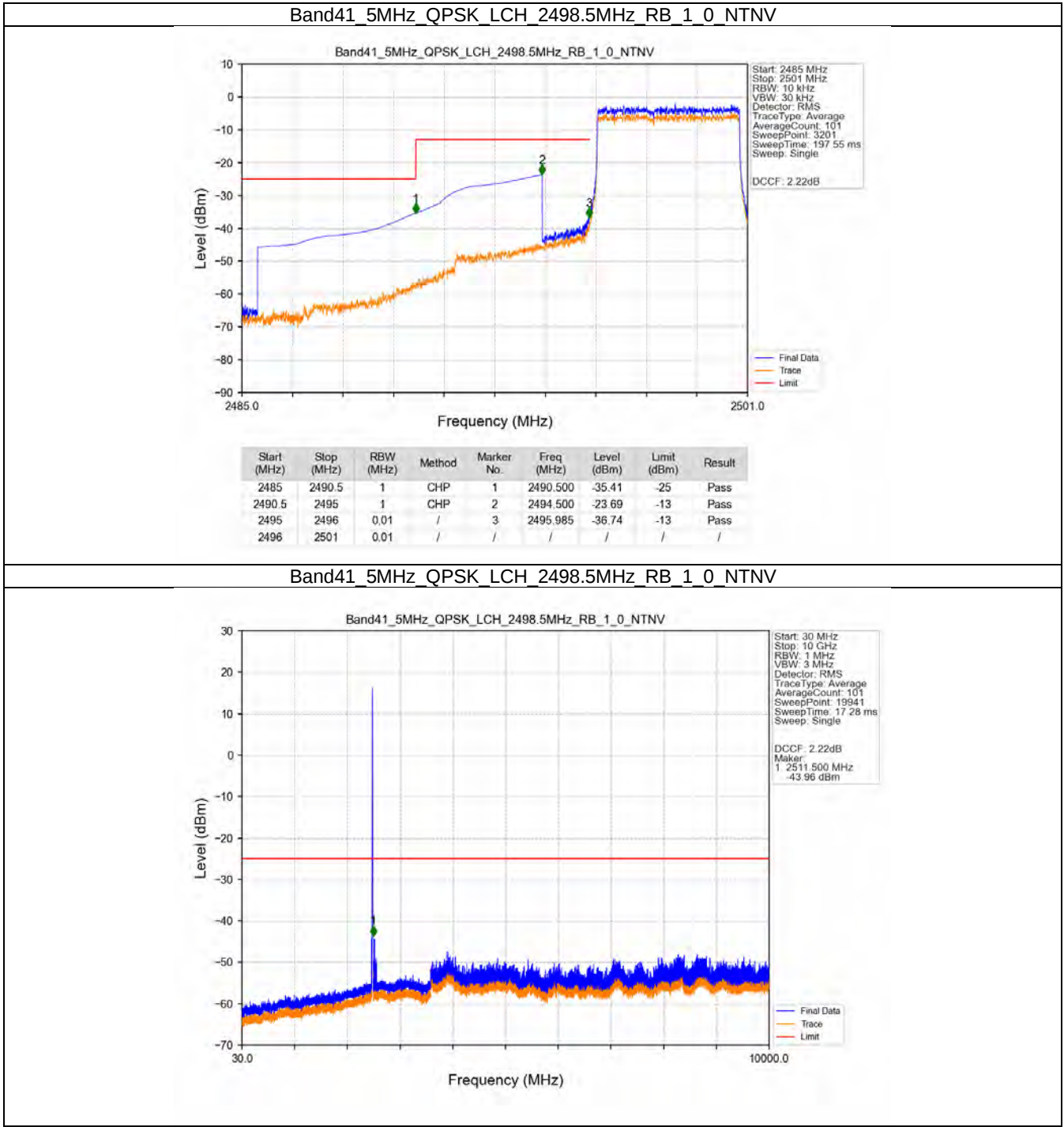
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.4 B41_20MHz

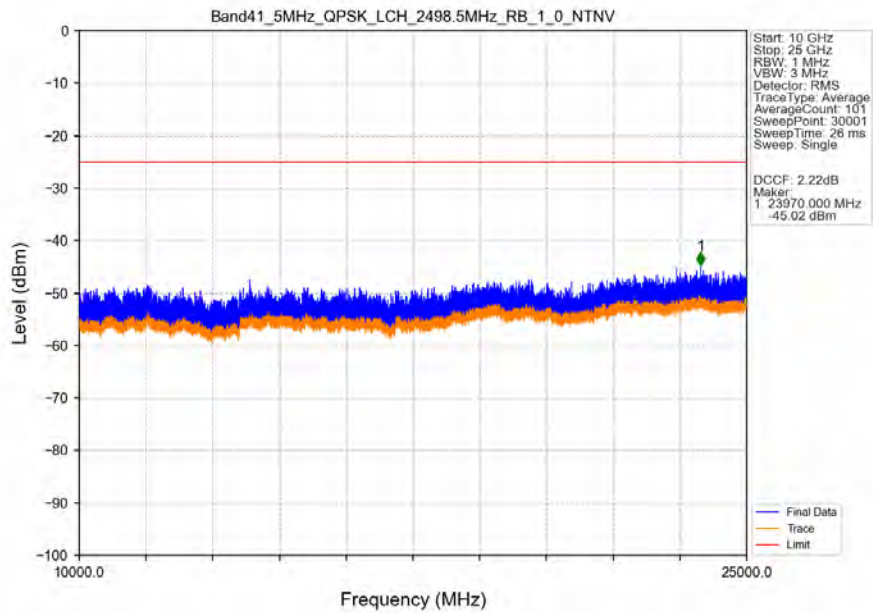
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2680	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

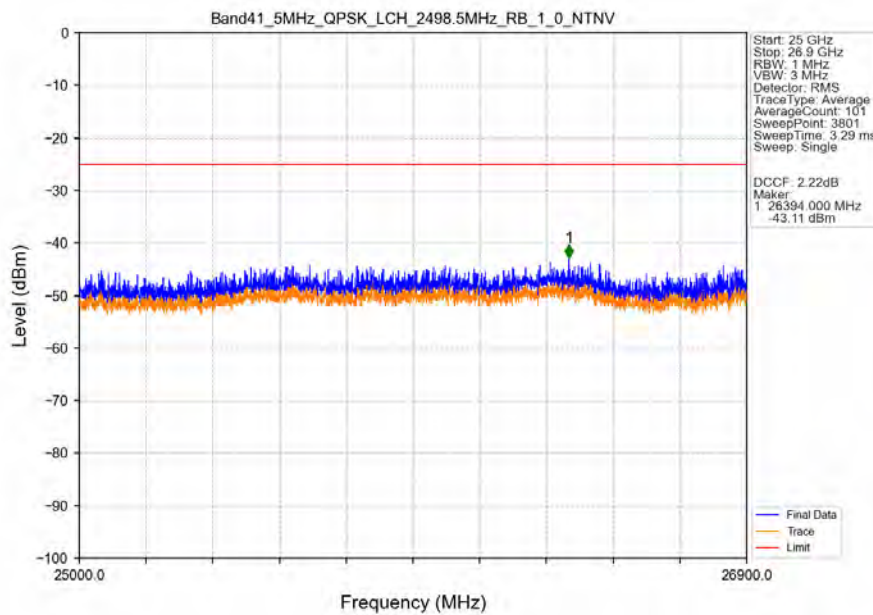
5.2.1 B41_5MHz



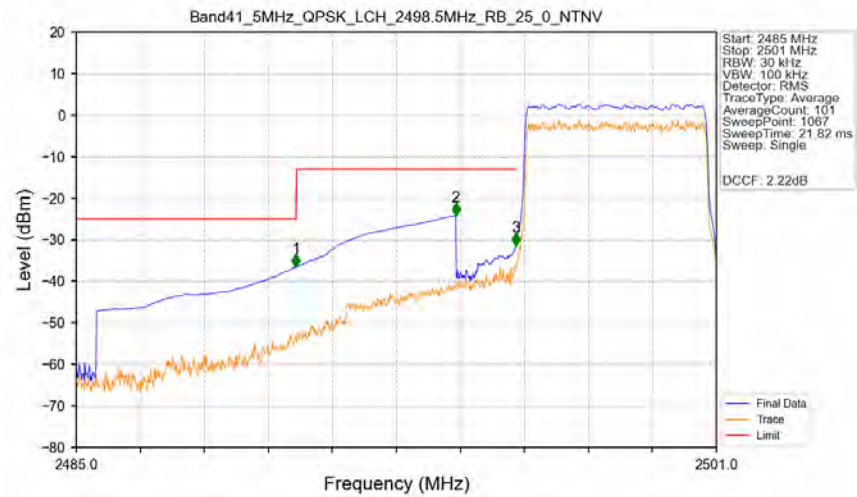
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

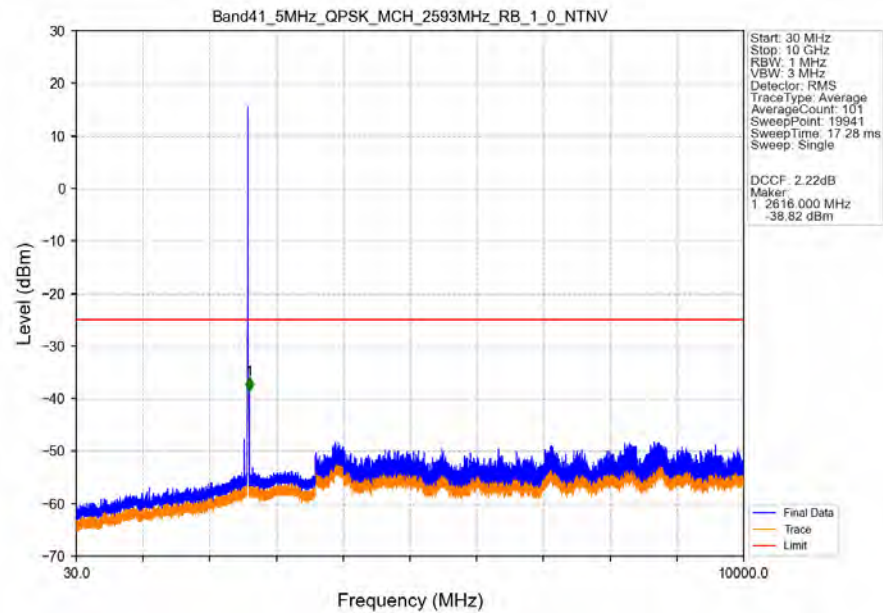


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

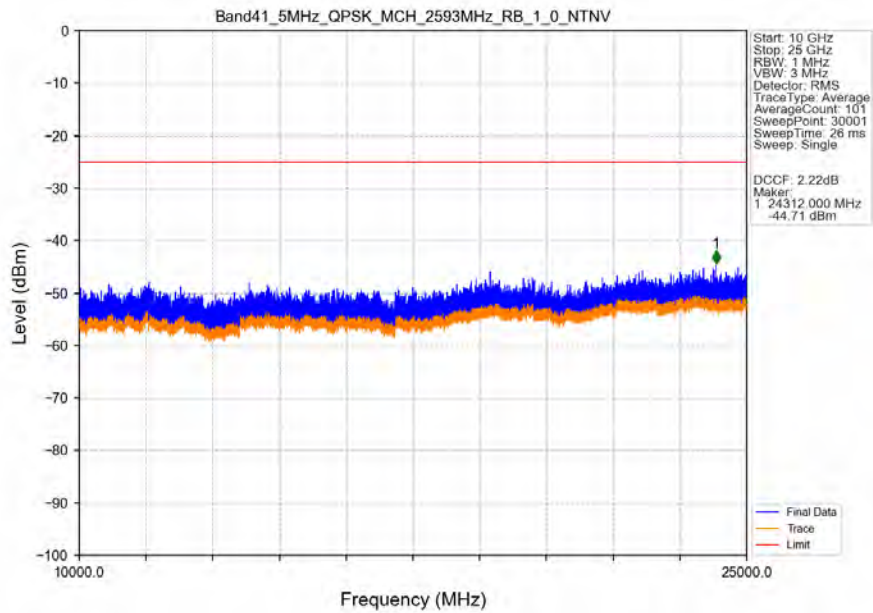


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-36.54	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-24.23	-13	Pass
2495	2496	0.061	CHP	3	2495.987	-31.47	-13	Pass
2496	2501	0.061	CHP	/	/	/	/	/

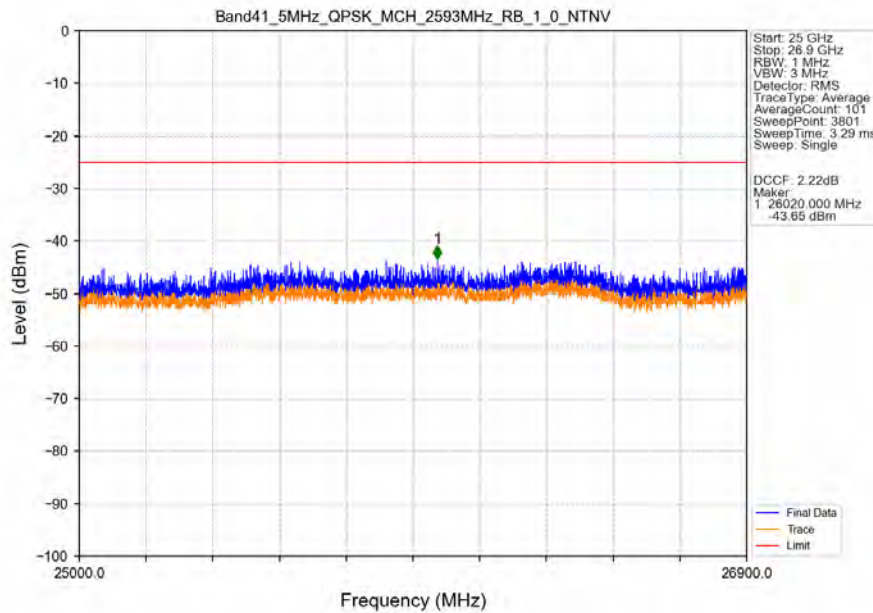
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



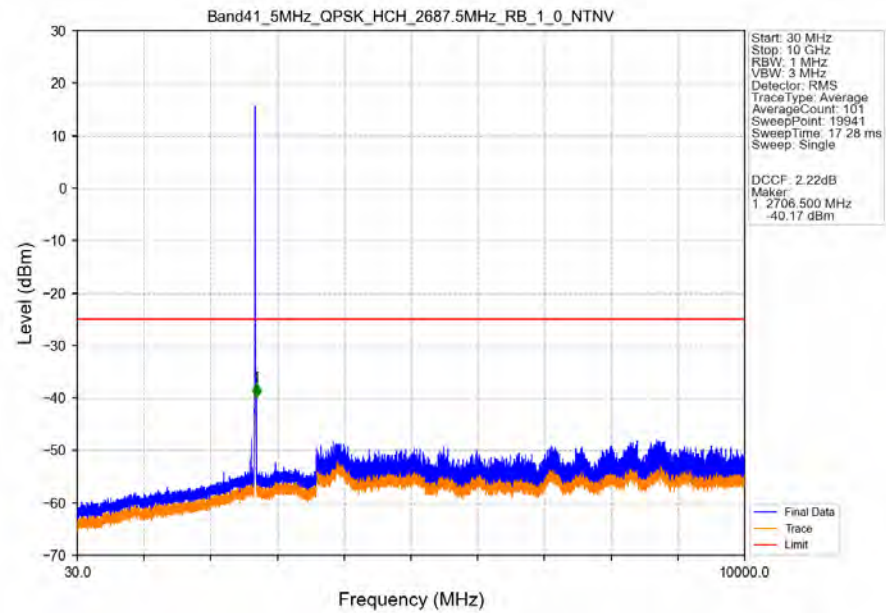
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



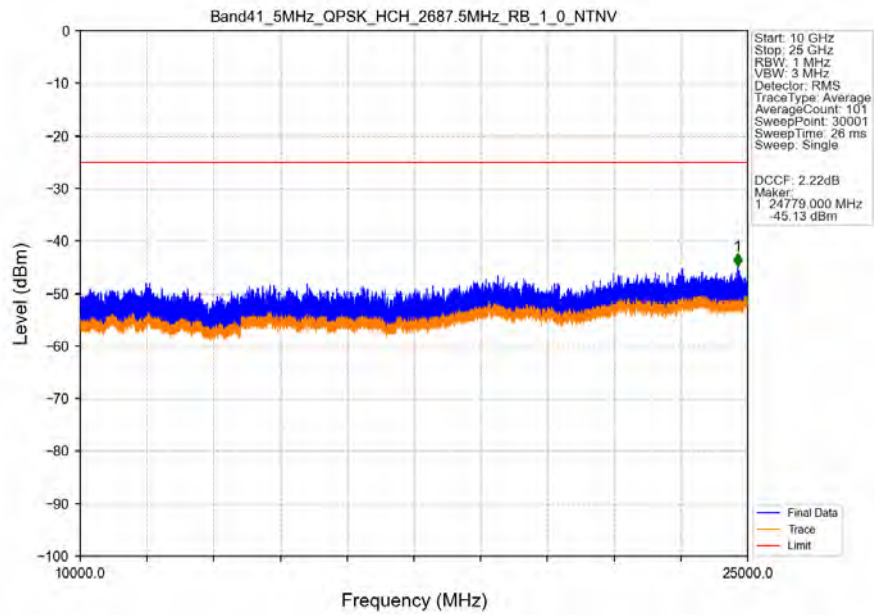
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



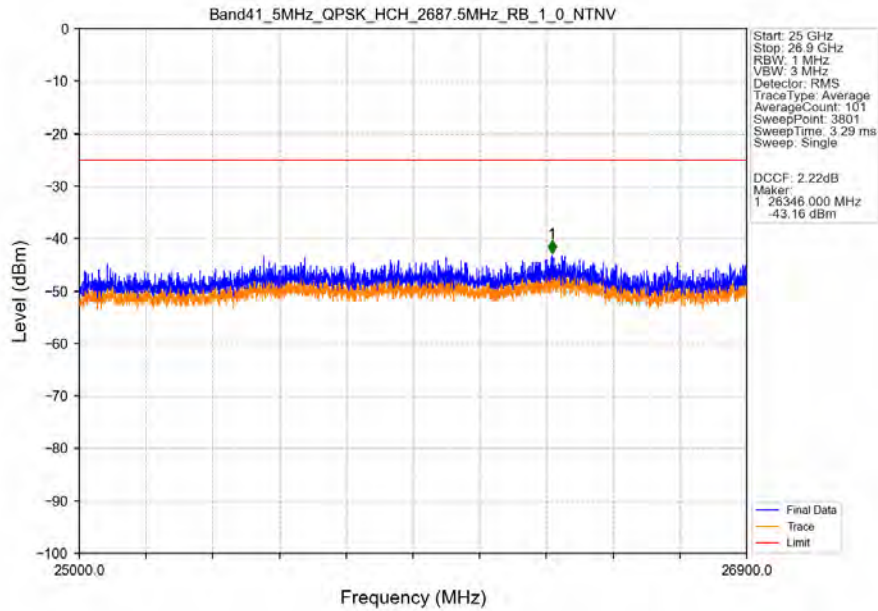
Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTNV



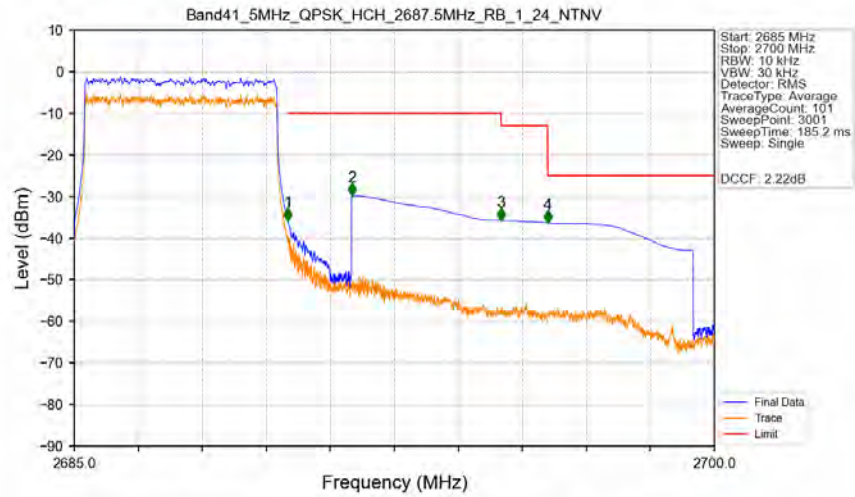
Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTNV



Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTV

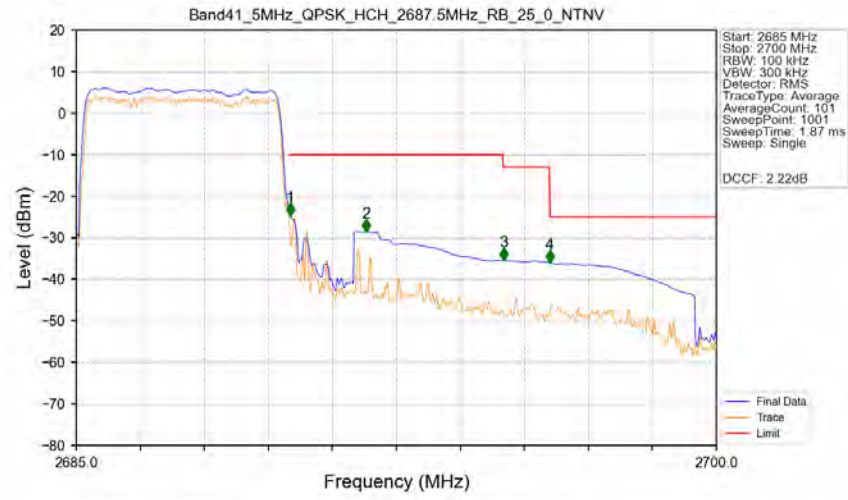


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTV



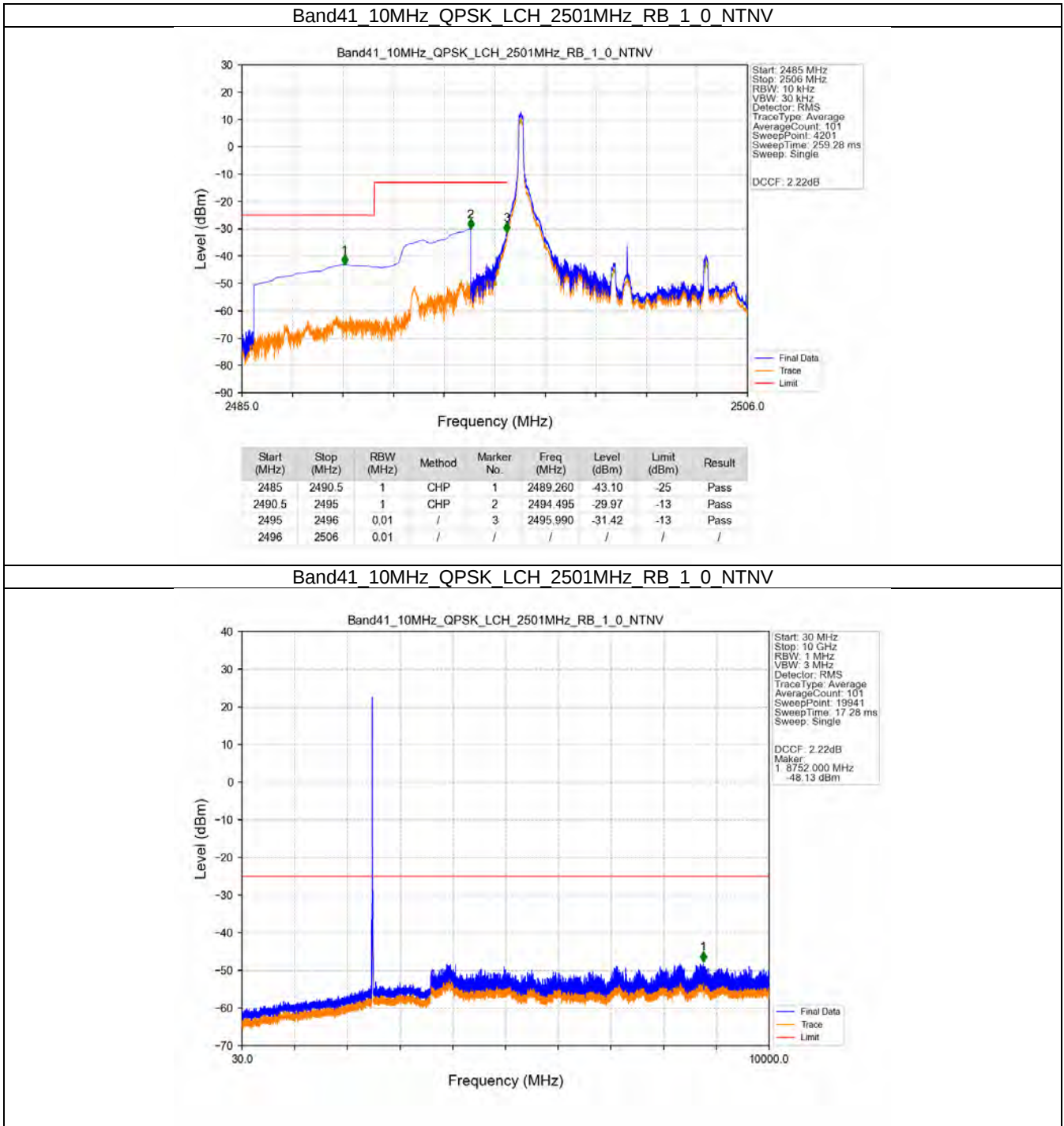
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-35.92	-10	Pass
2691	2695	1	CHP	2	2691.505	-29.83	-10	Pass
2695	2696.094	1	CHP	3	2695.005	-35.80	-13	Pass
2696.094	2700	1	CHP	4	2696.095	-36.35	-25	Pass

Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTV

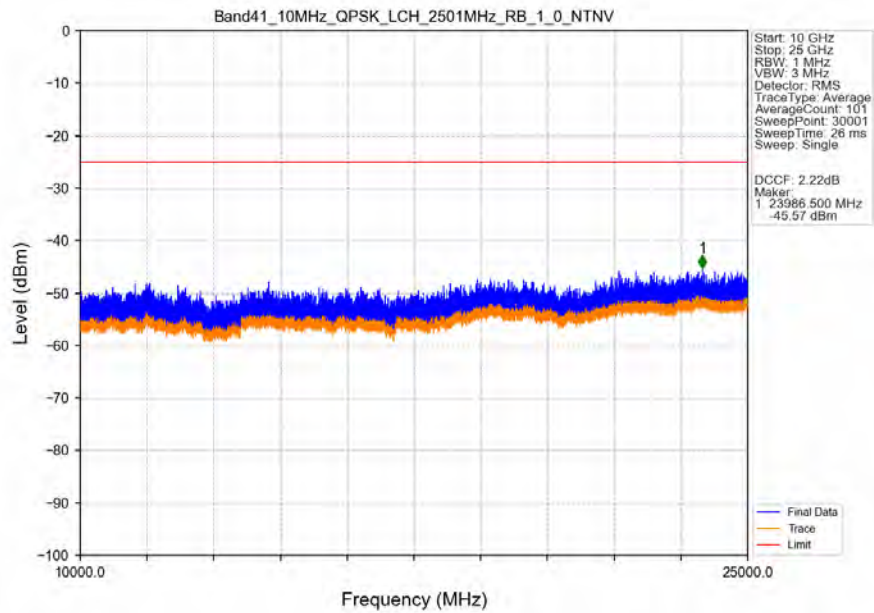


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.122	CHP	/	/	/	/	/
2690	2691	0.122	CHP	1	2690.010	-24.69	-10	Pass
2691	2695	1	CHP	2	2691.795	-28.56	-10	Pass
2695	2696.094	1	CHP	3	2695.020	-35.55	-13	Pass
2696.094	2700	1	CHP	4	2696.100	-36.01	-25	Pass

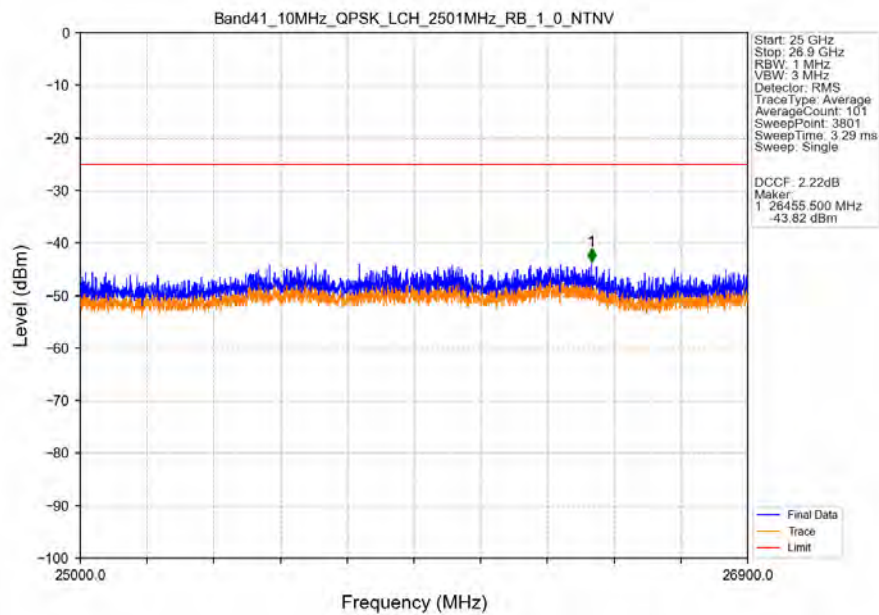
5.2.2 B41_10MHz



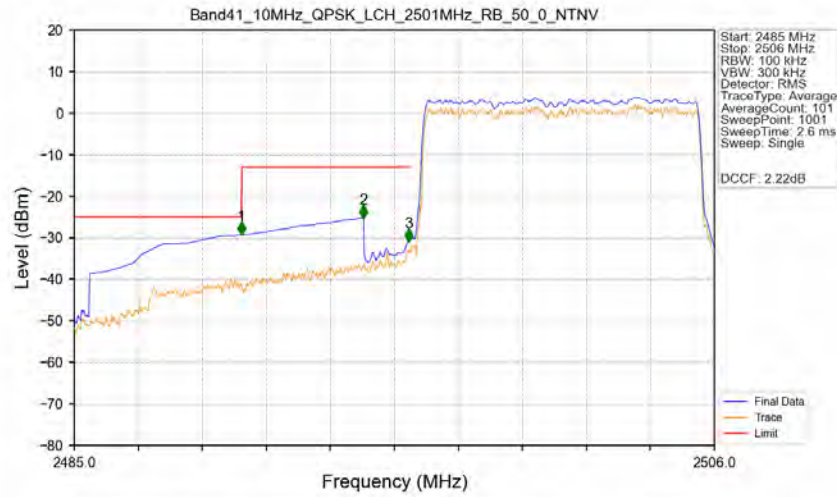
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

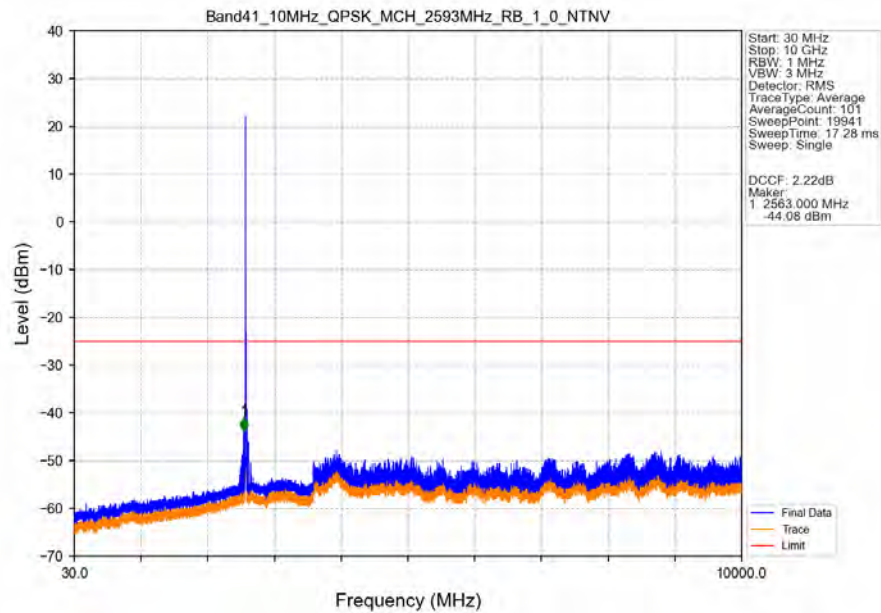


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

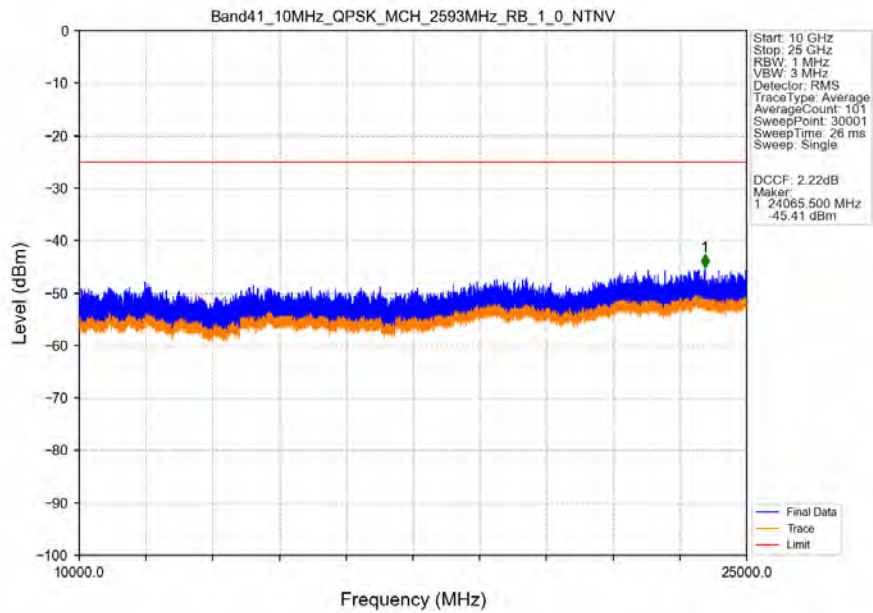


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.481	-29.28	-25	Pass
2490.5	2495	1	CHP	2	2494.492	-25.23	-13	Pass
2495	2496	0.118	CHP	3	2495.983	-30.92	-13	Pass
2496	2506	0.118	CHP	/	/	/	/	/

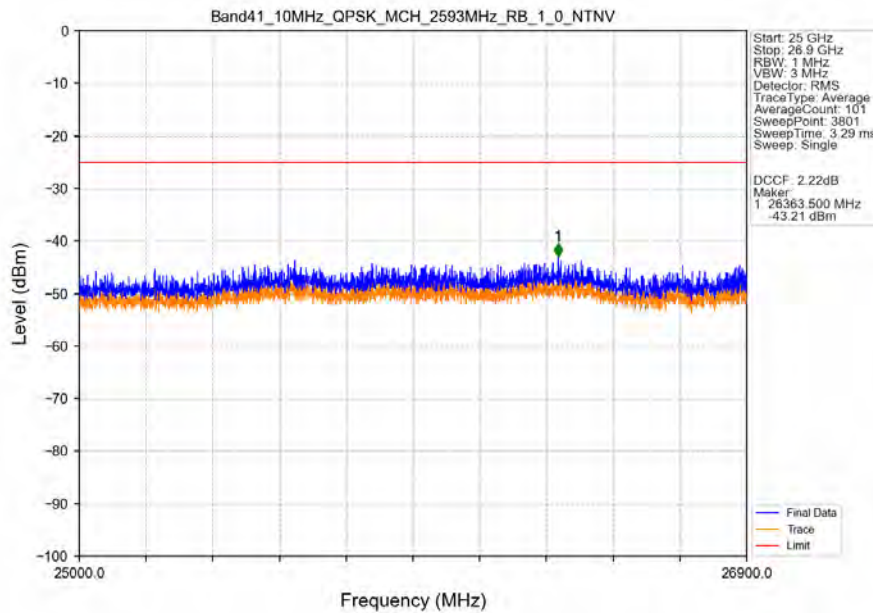
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



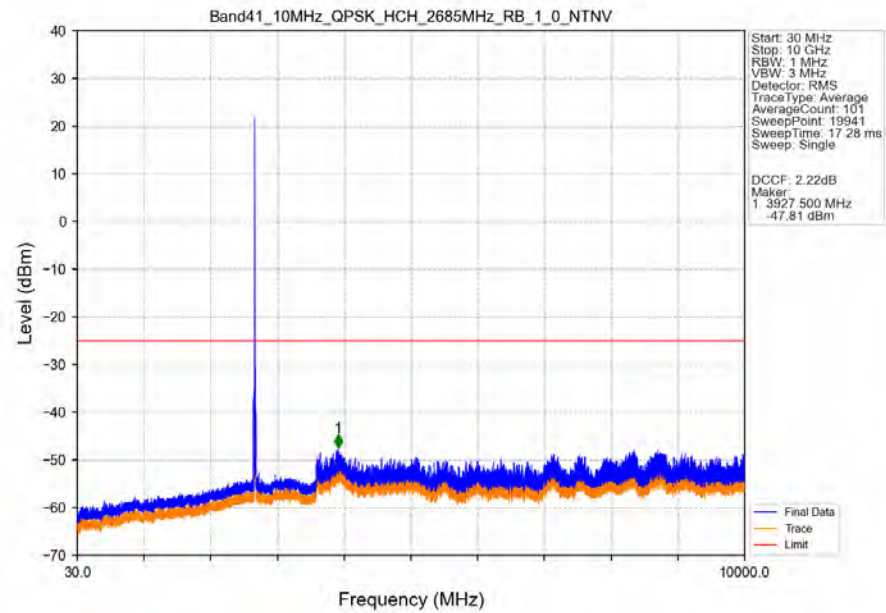
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



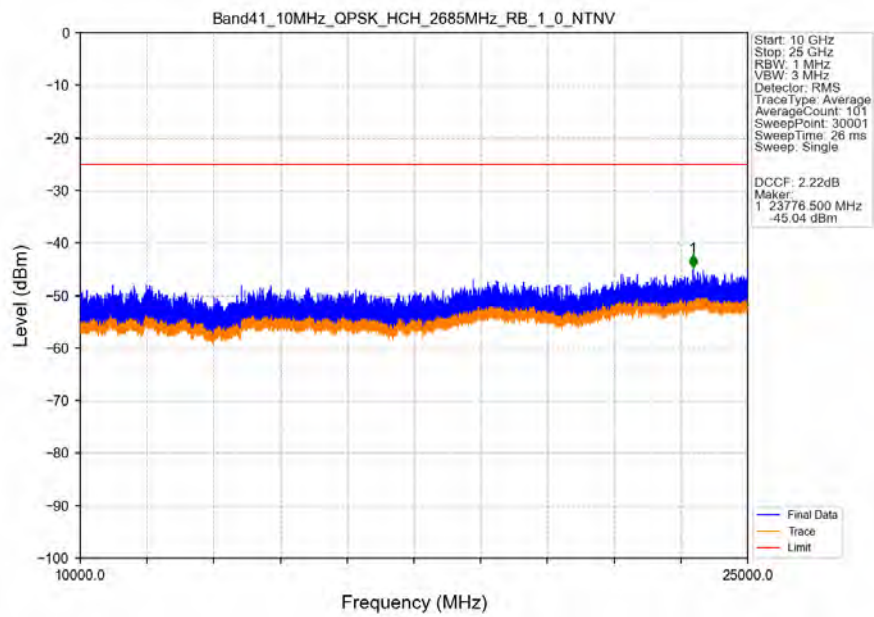
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



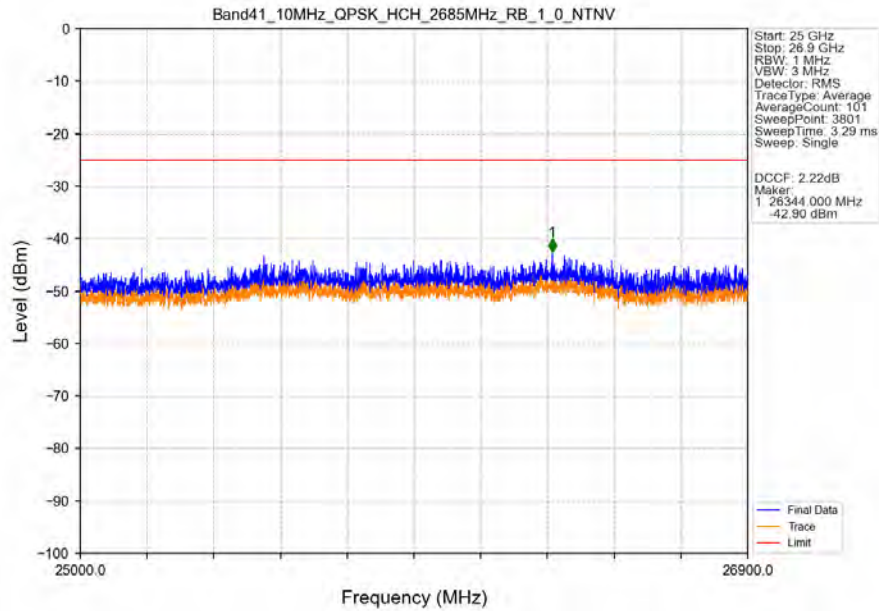
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



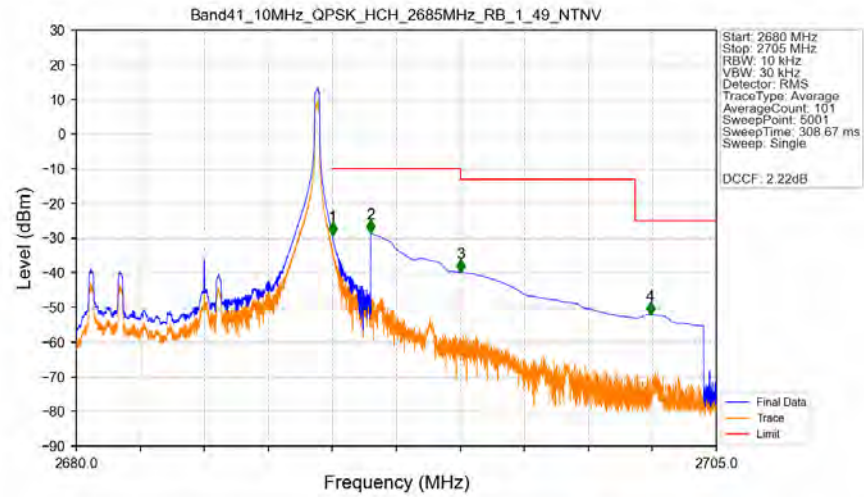
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV

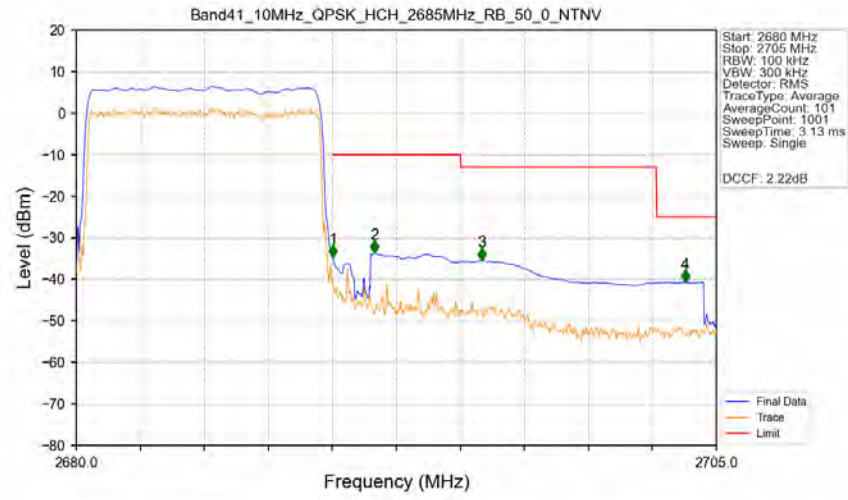


Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



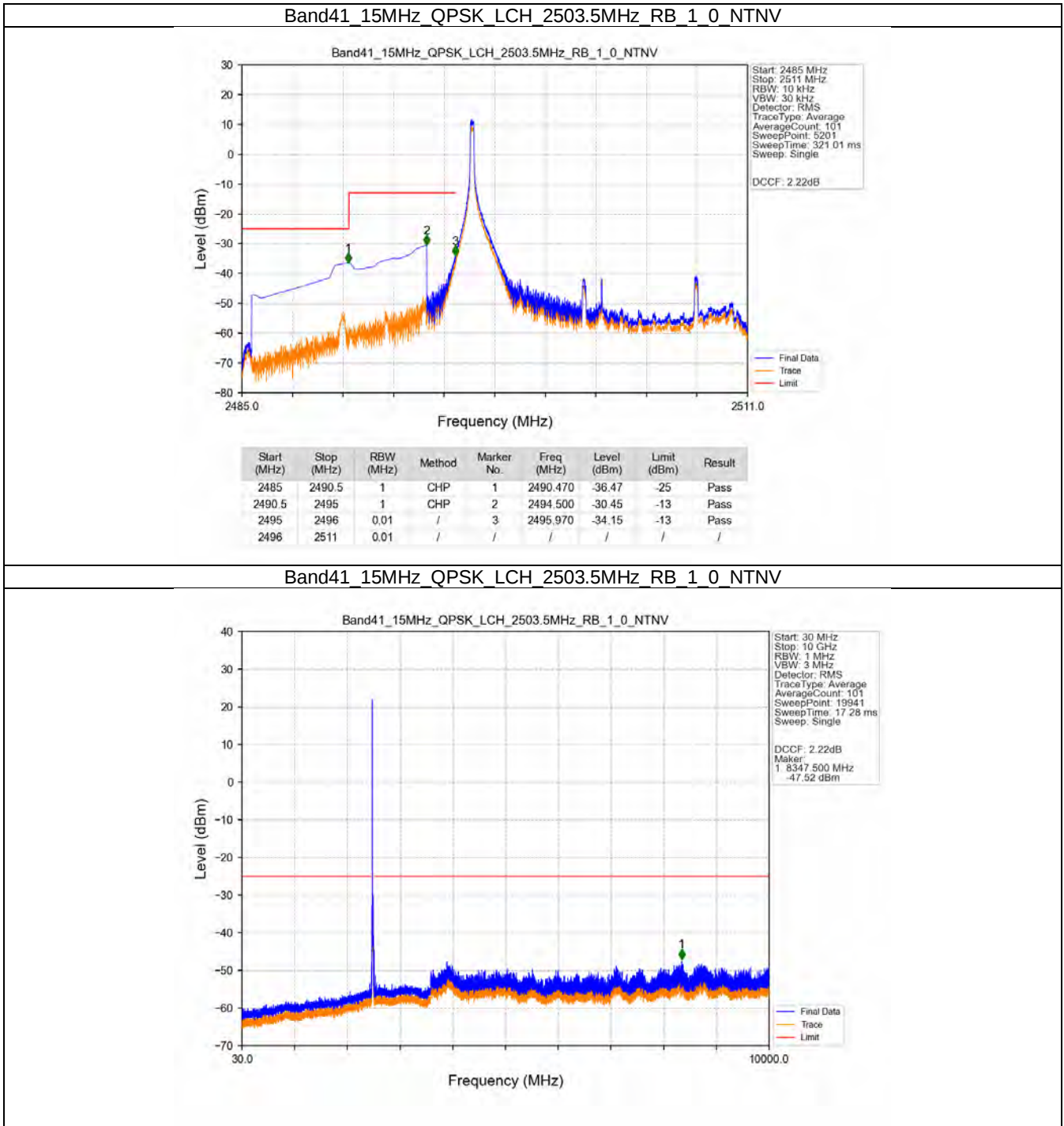
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-29.19	-10	Pass
2691	2695	1	CHP	2	2691.500	-28.46	-10	Pass
2695	2701.829	1	CHP	3	2695.005	-39.85	-13	Pass
2701.829	2705	1	CHP	4	2702.430	-52.02	-25	Pass

Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTV

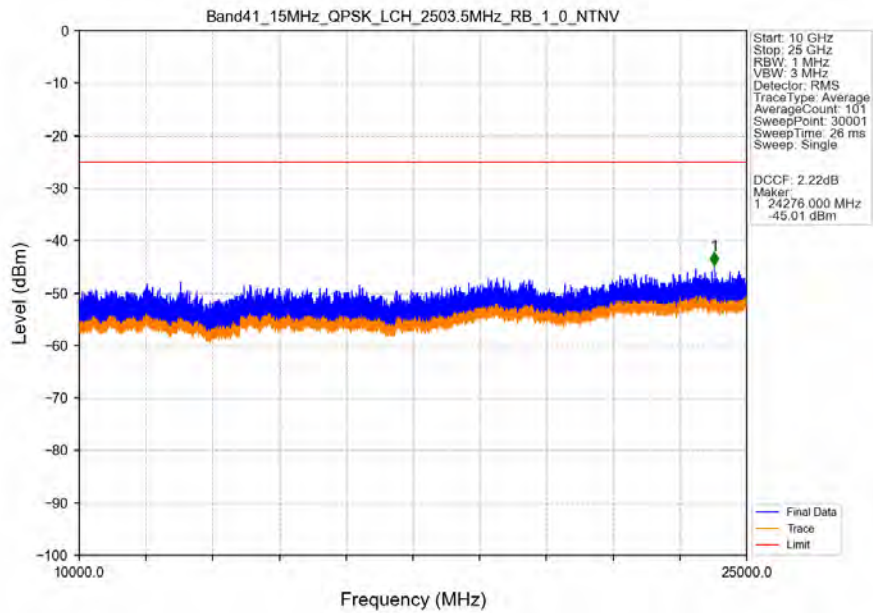


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.253	CHP	/	/	/	/	/
2690	2691	0.253	CHP	1	2690.025	-34.78	-10	Pass
2691	2695	1	CHP	2	2691.650	-33.71	-10	Pass
2695	2702.673	1	CHP	3	2695.850	-35.51	-13	Pass
2702.673	2705	1	CHP	4	2703.775	-40.70	-25	Pass

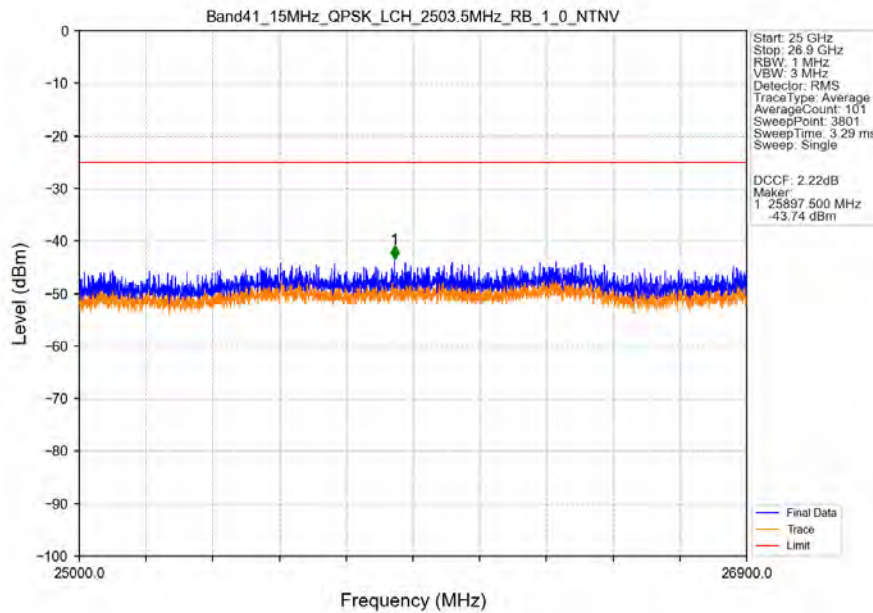
5.2.3 B41_15MHz



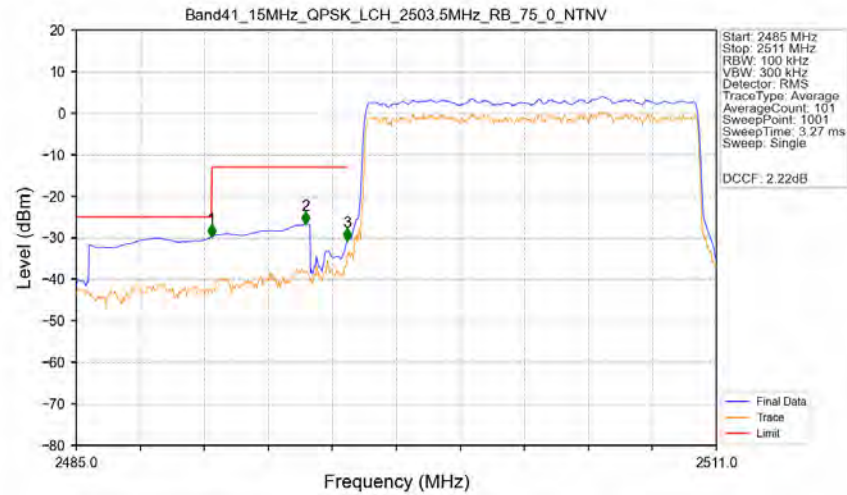
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

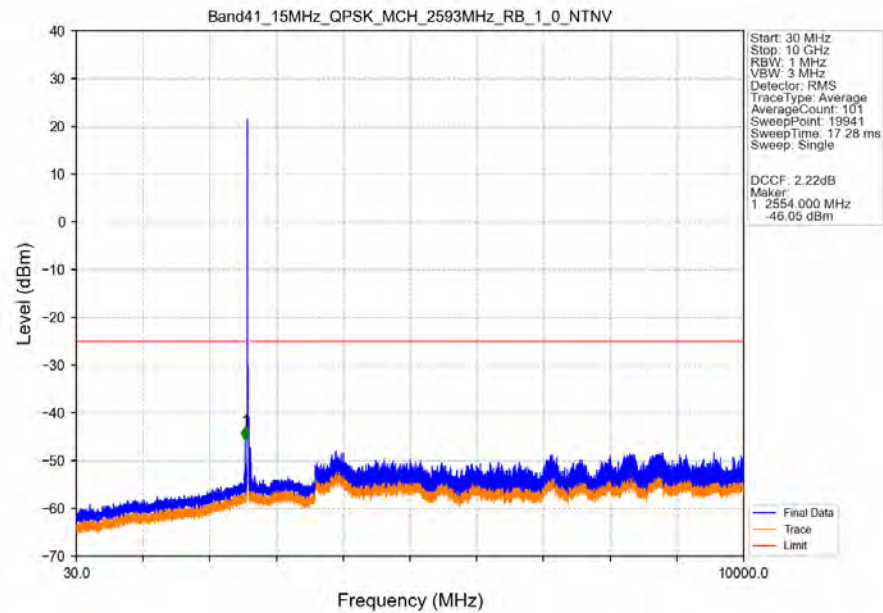


Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTN

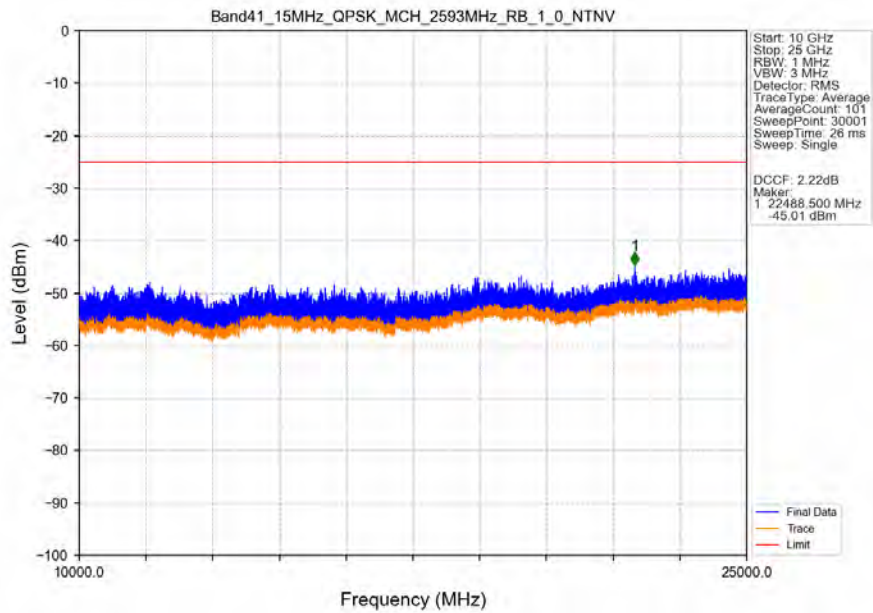


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.486	-29.77	-25	Pass
2490.5	2495	1	CHP	2	2494.308	-26.71	-13	Pass
2495	2496	0.17	CHP	3	2495.998	-30.80	-13	Pass
2496	2511	0.17	CHP	/	/	/	/	/

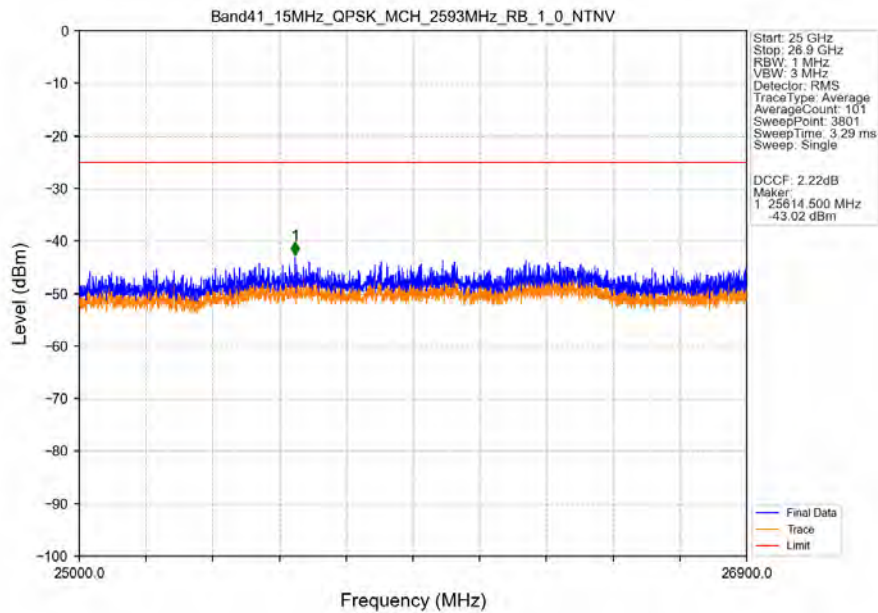
Band41 15MHz QPSK MCH 2593MHz RB 1 0 NTN



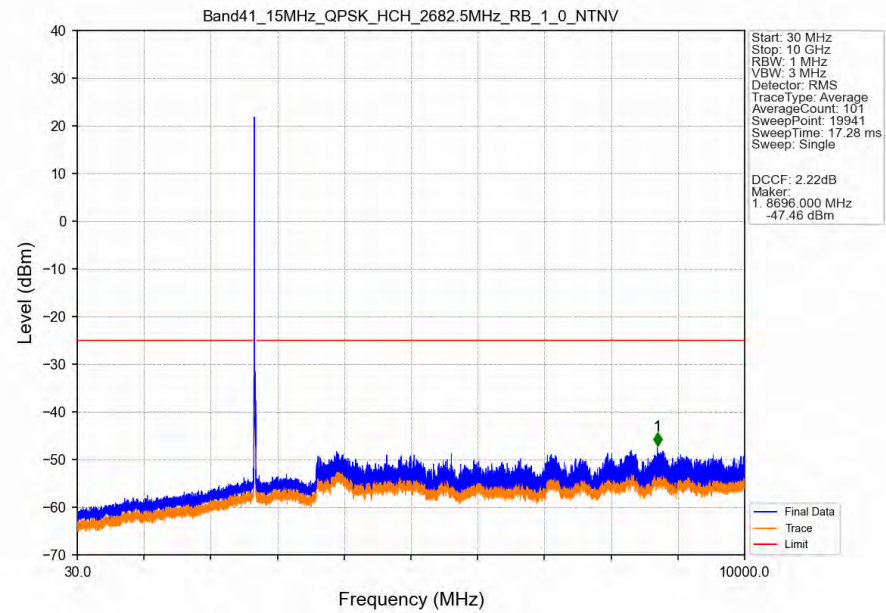
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



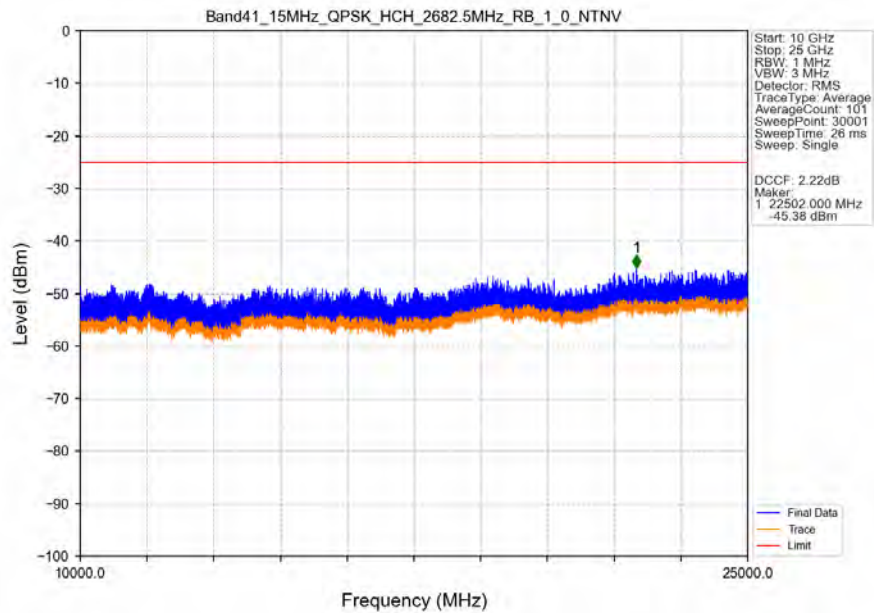
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



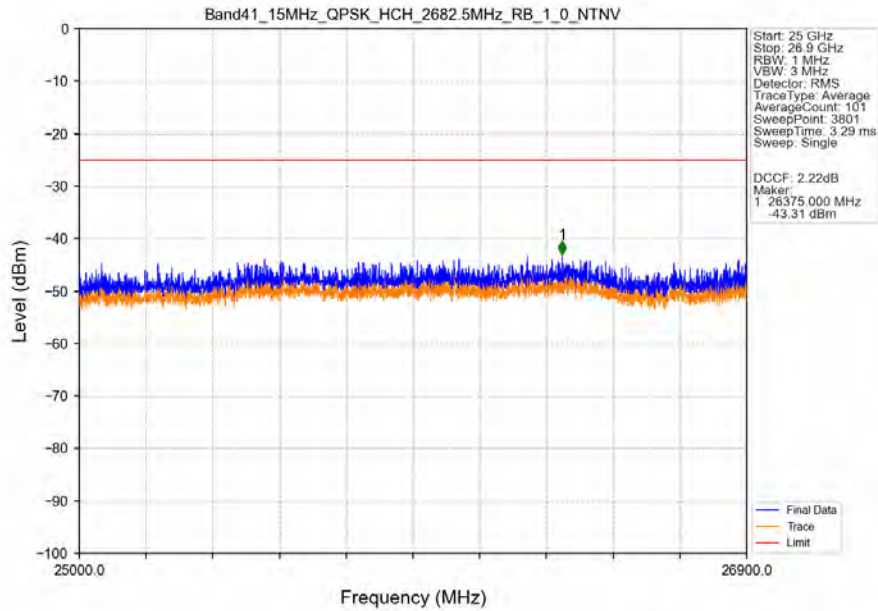
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



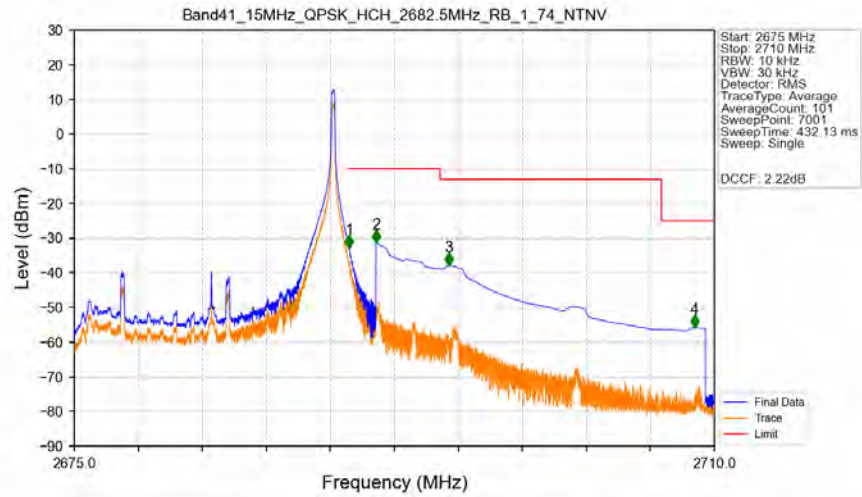
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV

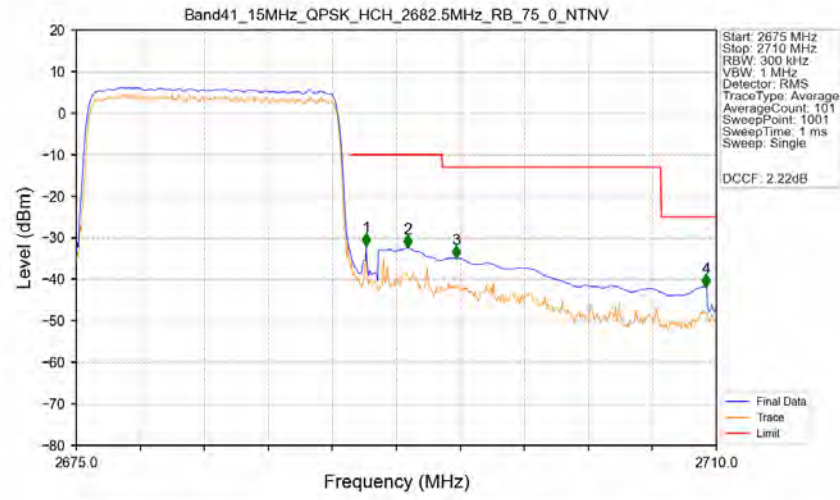


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV



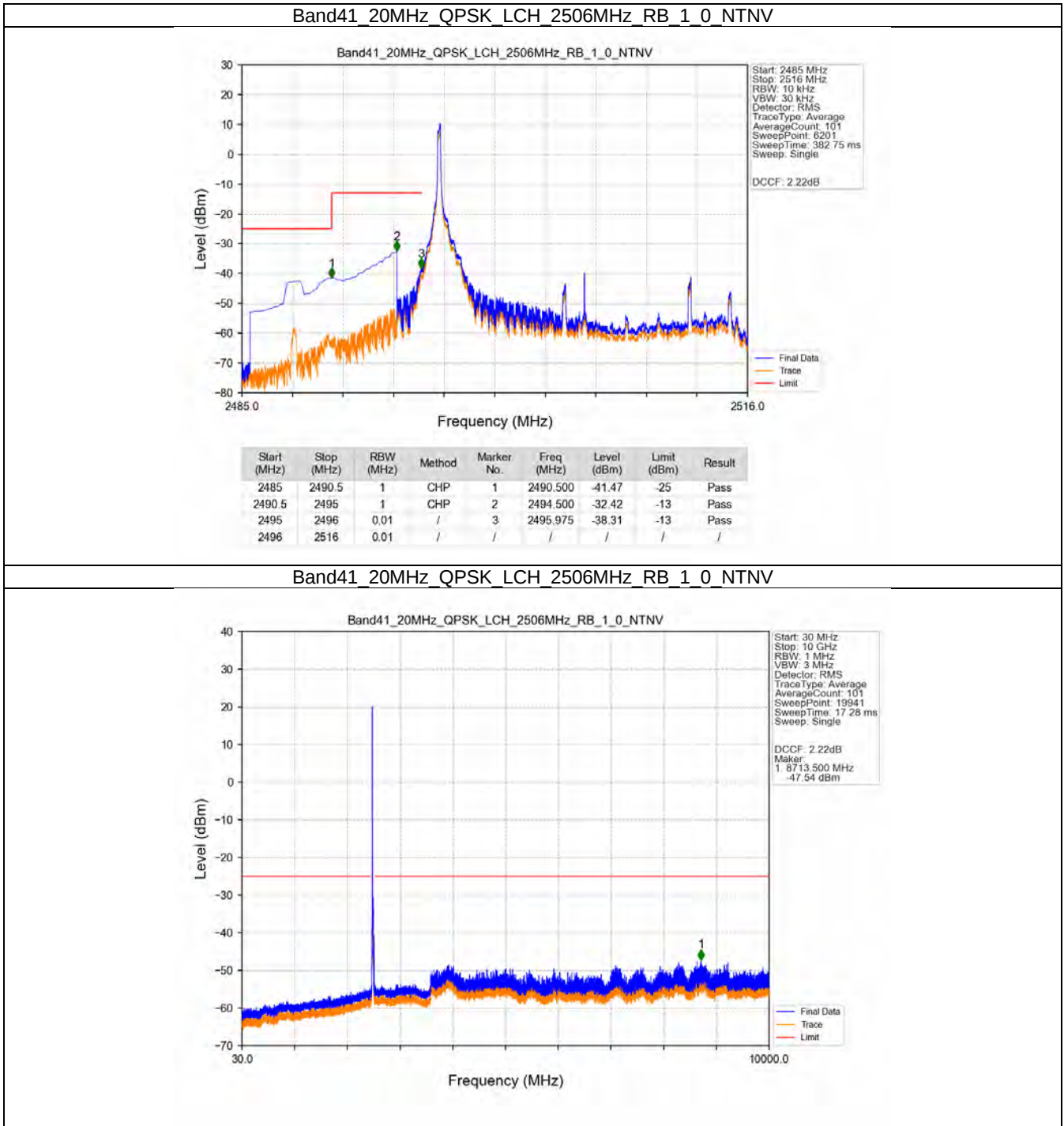
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.030	-32.95	-10	Pass
2691	2695	1	CHP	2	2691.500	-31.33	-10	Pass
2695	2707.104	1	CHP	3	2695.485	-37.83	-13	Pass
2707.104	2710	1	CHP	4	2708.920	-55.89	-25	Pass

Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN

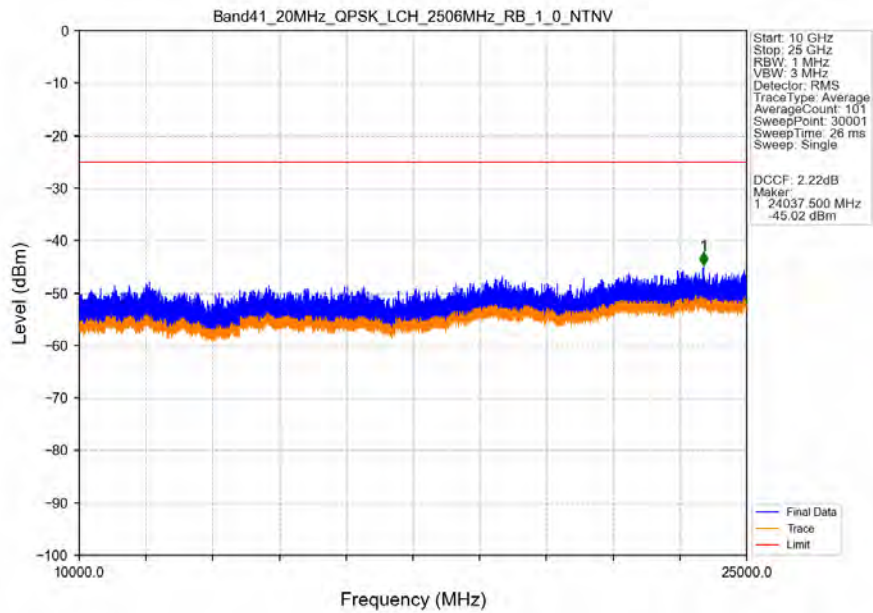


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.339	CHP	/	/	/	/	/
2690	2691	0.339	CHP	1	2690.855	-32.07	-10	Pass
2691	2695	1	CHP	2	2693.130	-32.47	-10	Pass
2695	2706.96	1	CHP	3	2695.755	-34.88	-13	Pass
2706.96	2710	1	CHP	4	2709.440	-41.81	-25	Pass

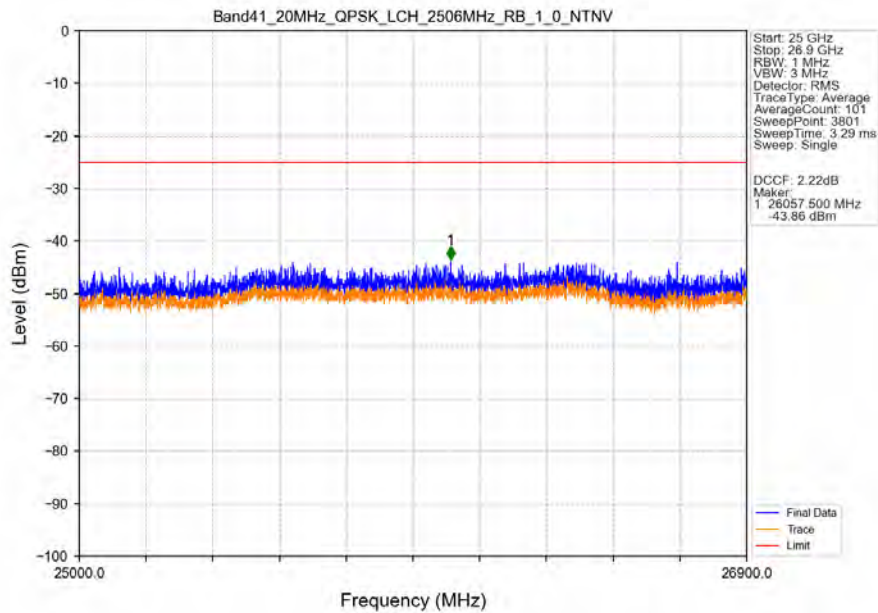
5.2.4 B41_20MHz



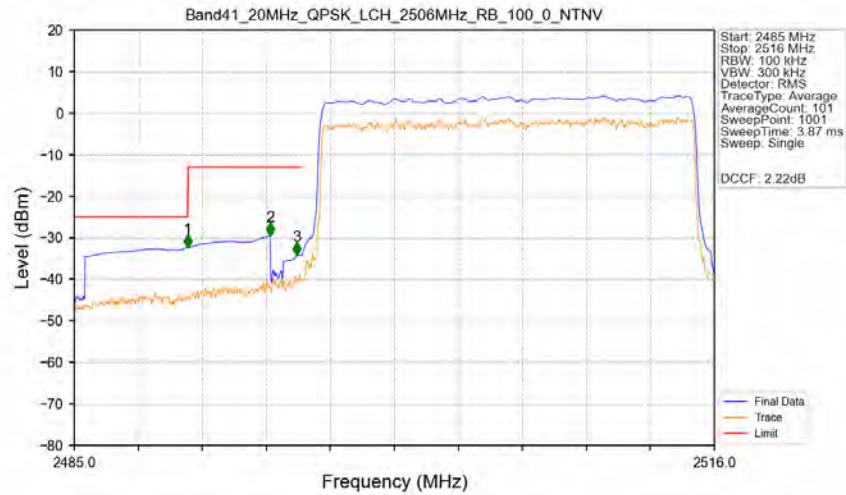
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

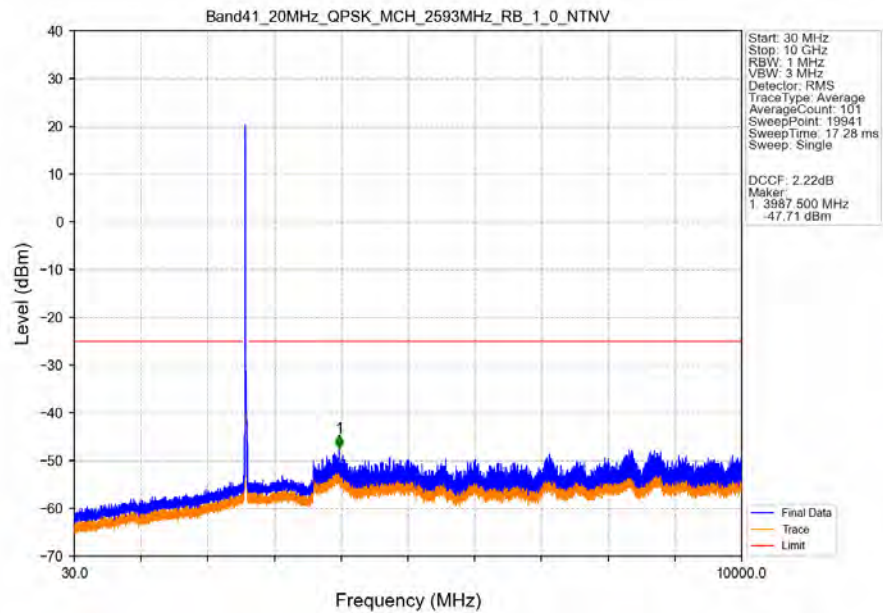


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

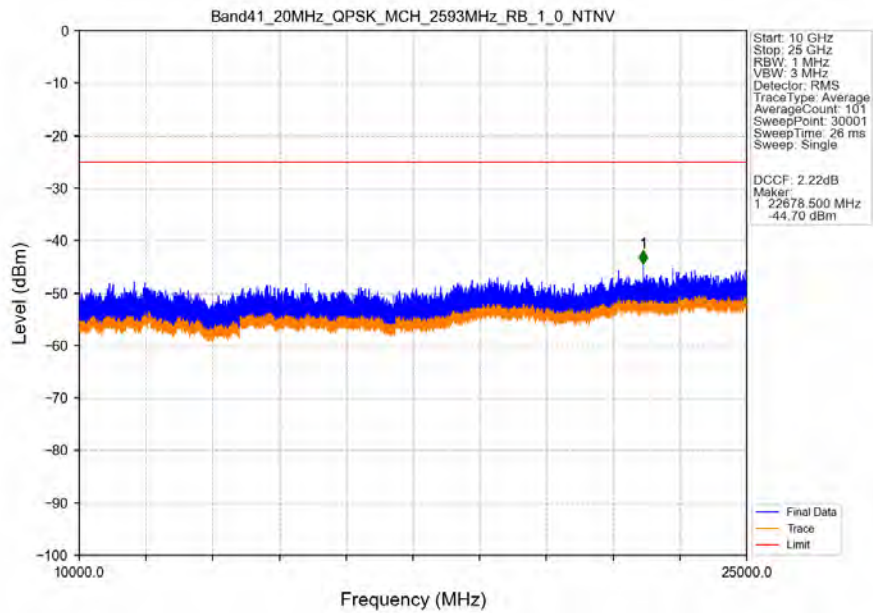


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.487	-32.36	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-29.56	-13	Pass
2495	2496	0.256	CHP	3	2495.788	-34.25	-13	Pass
2496	2516	0.256	CHP	/	/	/	/	/

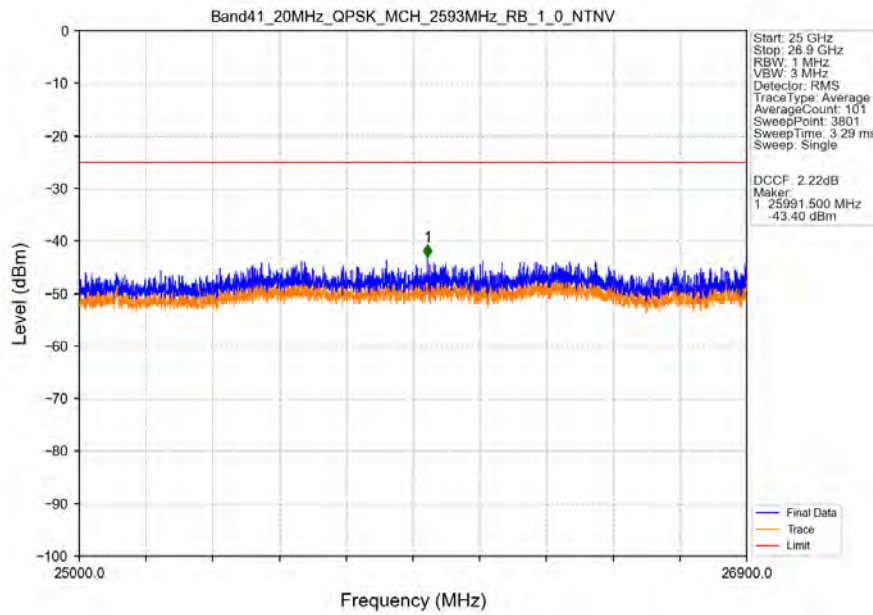
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



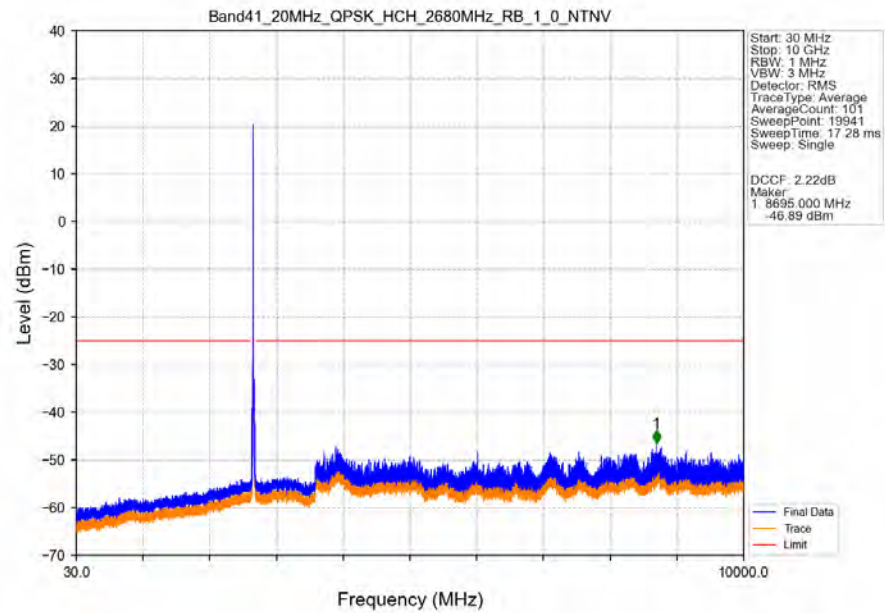
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



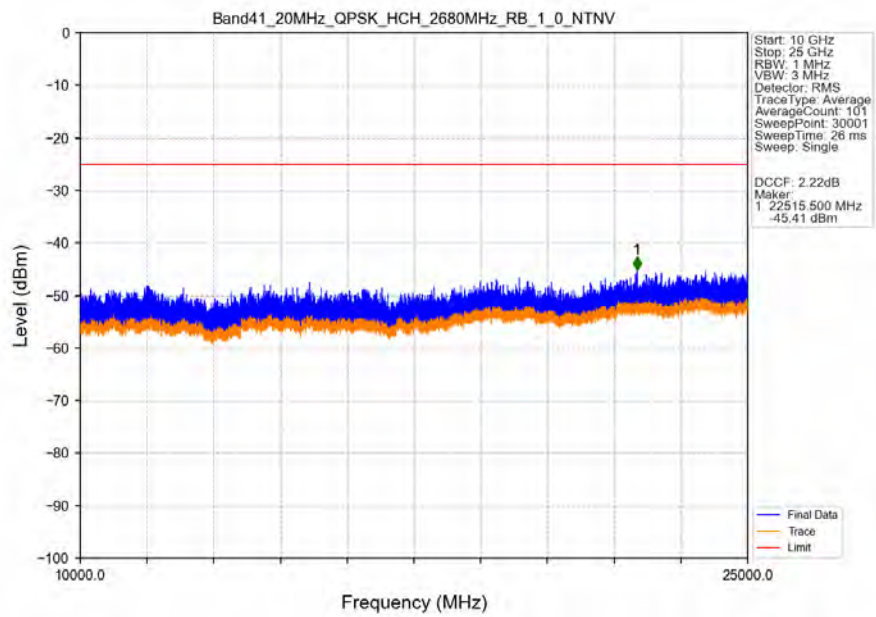
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



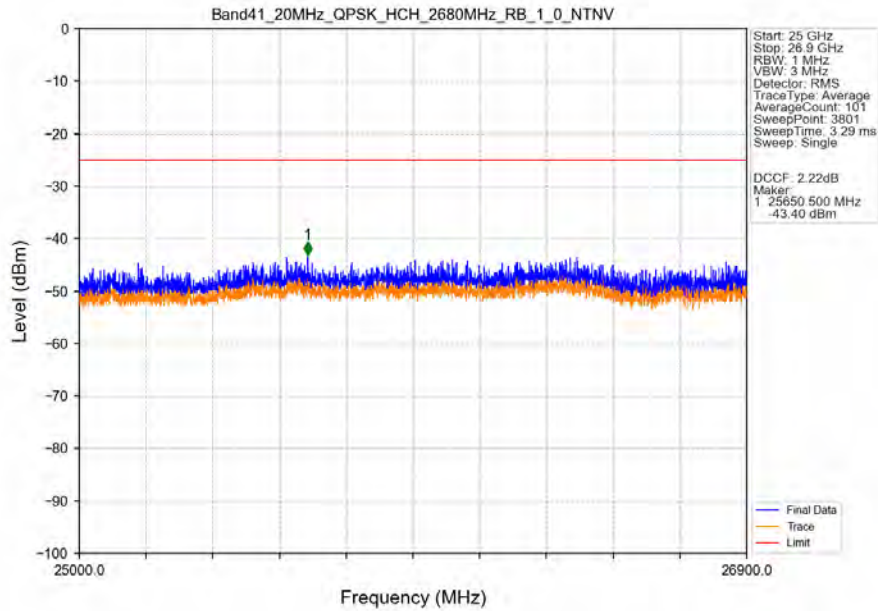
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



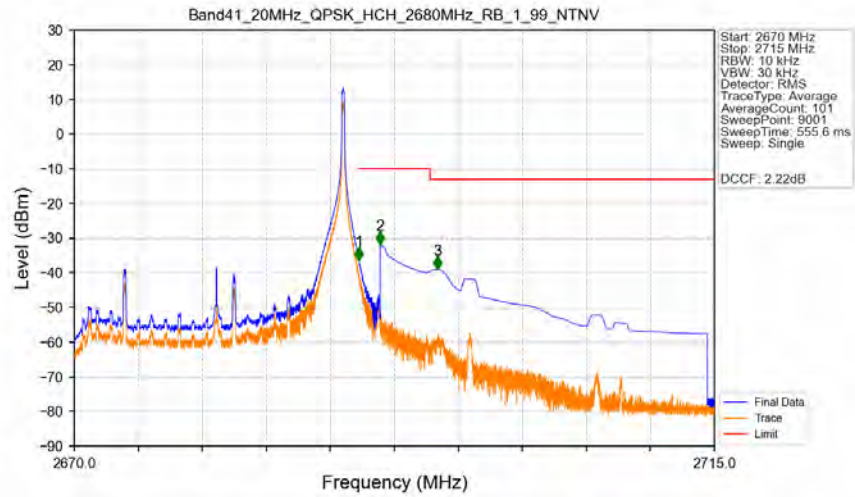
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV

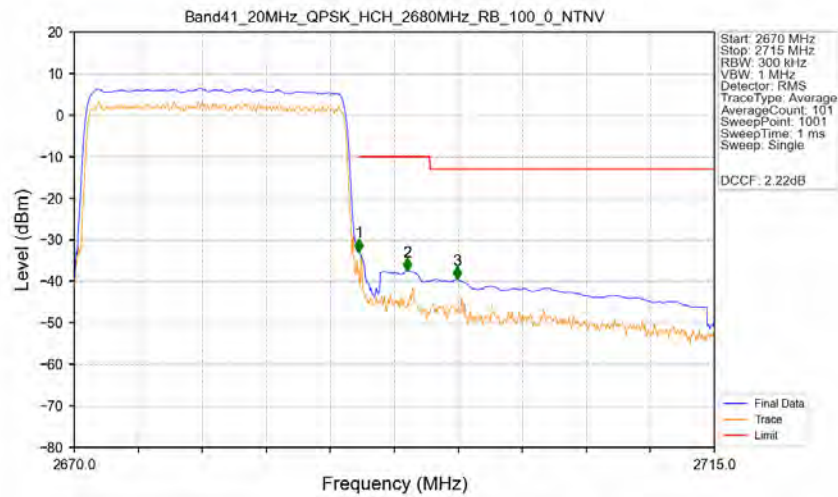


Band41_20MHz_QPSK_HCH_2680MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.020	-36.30	-10	Pass
2691	2695	1	CHP	2	2691.500	-31.86	-10	Pass
2695	2715	1	CHP	3	2695.530	-39.00	-13	Pass

Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.504	CHP	/	/	/	/	/
2690	2691	0.504	CHP	1	2690.025	-32.86	-10	Pass
2691	2695	1	CHP	2	2693.400	-37.51	-10	Pass
2695	2715	1	CHP	3	2696.910	-39.50	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 41 ANT31-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5082.0	-62.66	-25	-37.66	-68.25	4.6	10.19	Horizontal	Pass
7623.0	-59.74	-25	-34.74	-66.68	4.95	11.89	Horizontal	Pass
12687.75	-49.52	-25	-24.52	-56.9	5.96	13.34	Horizontal	Pass
5082.0	-61.89	-25	-36.89	-67.48	4.6	10.19	Vertical	Pass
7623.0	-60.27	-25	-35.27	-67.21	4.95	11.89	Vertical	Pass
12687.75	-44.58	-25	-19.58	-51.96	5.96	13.34	Vertical	Pass

LTE Band 41 ANT31-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5168.0	-60.42	-25	-35.42	-66.04	4.62	10.24	Horizontal	Pass
7752.0	-59.14	-25	-34.14	-66.22	4.96	12.04	Horizontal	Pass
12909.7	-48.81	-25	-23.81	-56.3	5.97	13.46	Horizontal	Pass
5168.0	-61.07	-25	-36.07	-66.69	4.62	10.24	Vertical	Pass
7752.0	-59.32	-25	-34.32	-66.4	4.96	12.04	Vertical	Pass
12909.7	-44.1	-25	-19.1	-51.59	5.97	13.46	Vertical	Pass

LTE Band 41 ANT31-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5262.0	-62.27	-25	-37.27	-67.92	4.65	10.3	Horizontal	Pass
7893.0	-58.26	-25	-33.26	-65.49	4.97	12.2	Horizontal	Pass
10524.0	-55.74	-25	-30.74	-63.32	5.55	13.13	Horizontal	Pass
5262.0	-62.07	-25	-37.07	-67.72	4.65	10.3	Vertical	Pass
7893.0	-58.83	-25	-33.83	-66.06	4.97	12.2	Vertical	Pass
10524.0	-55.87	-25	-30.87	-63.45	5.55	13.13	Vertical	Pass