

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	22.05	-2.04	20.01	<=33.01	Pass
			13	22.03	-2.04	19.99	<=33.01	Pass
			24	22.00	-2.04	19.96	<=33.01	Pass
		12	0	21.07	-2.04	19.03	<=33.01	Pass
			6	21.05	-2.04	19.01	<=33.01	Pass
			13	21.05	-2.04	19.01	<=33.01	Pass
		25	0	21.08	-2.04	19.04	<=33.01	Pass
	2593	1	0	21.44	-2.04	19.40	<=33.01	Pass
			13	21.53	-2.04	19.49	<=33.01	Pass
			24	21.36	-2.04	19.32	<=33.01	Pass
		12	0	20.32	-2.04	18.28	<=33.01	Pass
			6	20.43	-2.04	18.39	<=33.01	Pass
			13	20.55	-2.04	18.51	<=33.01	Pass
		25	0	20.37	-2.04	18.33	<=33.01	Pass
	2687.5	1	0	21.78	-2.04	19.74	<=33.01	Pass
			13	21.81	-2.04	19.77	<=33.01	Pass
			24	21.84	-2.04	19.80	<=33.01	Pass
		12	0	20.88	-2.04	18.84	<=33.01	Pass
			6	20.88	-2.04	18.84	<=33.01	Pass
			13	20.86	-2.04	18.82	<=33.01	Pass
		25	0	20.89	-2.04	18.85	<=33.01	Pass
16QAM	2498.5	1	0	21.02	-2.04	18.98	<=33.01	Pass
			13	21.09	-2.04	19.05	<=33.01	Pass
			24	21.10	-2.04	19.06	<=33.01	Pass
		12	0	20.05	-2.04	18.01	<=33.01	Pass
			6	20.00	-2.04	17.96	<=33.01	Pass
			13	20.03	-2.04	17.99	<=33.01	Pass
		25	0	20.09	-2.04	18.05	<=33.01	Pass
	2593	1	0	20.62	-2.04	18.58	<=33.01	Pass
			13	20.62	-2.04	18.58	<=33.01	Pass
			24	20.62	-2.04	18.58	<=33.01	Pass
		12	0	19.42	-2.04	17.38	<=33.01	Pass
			6	19.47	-2.04	17.43	<=33.01	Pass
			13	19.50	-2.04	17.46	<=33.01	Pass
		25	0	19.62	-2.04	17.58	<=33.01	Pass
	2687.5	1	0	20.87	-2.04	18.83	<=33.01	Pass
			13	20.90	-2.04	18.86	<=33.01	Pass
			24	20.80	-2.04	18.76	<=33.01	Pass
		12	0	19.82	-2.04	17.78	<=33.01	Pass
			6	19.82	-2.04	17.78	<=33.01	Pass
			13	19.84	-2.04	17.80	<=33.01	Pass
		25	0	19.92	-2.04	17.88	<=33.01	Pass
64QAM	2498.5	1	0	19.75	-2.04	17.71	<=33.01	Pass
			13	19.74	-2.04	17.70	<=33.01	Pass
			24	19.70	-2.04	17.66	<=33.01	Pass
		12	0	19.12	-2.04	17.08	<=33.01	Pass
			6	19.11	-2.04	17.07	<=33.01	Pass
			13	19.12	-2.04	17.08	<=33.01	Pass
		25	0	19.11	-2.04	17.07	<=33.01	Pass

	2593	1	0	19.32	-2.04	17.28	<=33.01	Pass	
			13	19.32	-2.04	17.28	<=33.01	Pass	
			24	19.26	-2.04	17.22	<=33.01	Pass	
		12	0	18.43	-2.04	16.39	<=33.01	Pass	
			6	18.62	-2.04	16.58	<=33.01	Pass	
			13	18.51	-2.04	16.47	<=33.01	Pass	
		25	0	18.51	-2.04	16.47	<=33.01	Pass	
		2687.5	1	0	19.57	-2.04	17.53	<=33.01	Pass
				13	19.51	-2.04	17.47	<=33.01	Pass
	24			19.64	-2.04	17.60	<=33.01	Pass	
	12		0	18.88	-2.04	16.84	<=33.01	Pass	
			6	18.91	-2.04	16.87	<=33.01	Pass	
			13	18.94	-2.04	16.90	<=33.01	Pass	
	25	0	18.93	-2.04	16.89	<=33.01	Pass		
256QAM	2498.5	1	0	16.86	-2.04	14.82	<=33.01	Pass	
			13	16.91	-2.04	14.87	<=33.01	Pass	
			24	16.90	-2.04	14.86	<=33.01	Pass	
		12	0	17.18	-2.04	15.14	<=33.01	Pass	
			6	17.12	-2.04	15.08	<=33.01	Pass	
			13	17.18	-2.04	15.14	<=33.01	Pass	
		25	0	17.08	-2.04	15.04	<=33.01	Pass	
	2593	1	0	16.43	-2.04	14.39	<=33.01	Pass	
			13	16.34	-2.04	14.30	<=33.01	Pass	
			24	16.40	-2.04	14.36	<=33.01	Pass	
		12	0	16.65	-2.04	14.61	<=33.01	Pass	
			6	16.67	-2.04	14.63	<=33.01	Pass	
			13	16.64	-2.04	14.60	<=33.01	Pass	
	25	0	16.60	-2.04	14.56	<=33.01	Pass		
	2687.5	1	0	16.68	-2.04	14.64	<=33.01	Pass	
			13	16.70	-2.04	14.66	<=33.01	Pass	
			24	16.75	-2.04	14.71	<=33.01	Pass	
		12	0	16.94	-2.04	14.90	<=33.01	Pass	
			6	16.98	-2.04	14.94	<=33.01	Pass	
			13	16.97	-2.04	14.93	<=33.01	Pass	
		25	0	16.92	-2.04	14.88	<=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	22.10	-2.04	20.06	<=33.01	Pass
			25	21.93	-2.04	19.89	<=33.01	Pass
			49	22.00	-2.04	19.96	<=33.01	Pass
		25	0	21.05	-2.04	19.01	<=33.01	Pass
			13	21.03	-2.04	18.99	<=33.01	Pass
			25	21.04	-2.04	19.00	<=33.01	Pass
		50	0	21.04	-2.04	19.00	<=33.01	Pass
	2593	1	0	21.61	-2.04	19.57	<=33.01	Pass
			25	21.50	-2.04	19.46	<=33.01	Pass
			49	21.49	-2.04	19.45	<=33.01	Pass
		25	0	20.57	-2.04	18.53	<=33.01	Pass
			13	20.40	-2.04	18.36	<=33.01	Pass
			25	20.28	-2.04	18.24	<=33.01	Pass
		50	0	20.34	-2.04	18.30	<=33.01	Pass
	2685	1	0	21.77	-2.04	19.73	<=33.01	Pass

			25	21.64	-2.04	19.60	<=33.01	Pass		
			49	21.84	-2.04	19.80	<=33.01	Pass		
			25	0	20.74	-2.04	18.70	<=33.01	Pass	
				13	20.82	-2.04	18.78	<=33.01	Pass	
				25	20.84	-2.04	18.80	<=33.01	Pass	
			50	0	20.83	-2.04	18.79	<=33.01	Pass	
16QAM	2501	1	0	21.20	-2.04	19.16	<=33.01	Pass		
			25	21.07	-2.04	19.03	<=33.01	Pass		
			49	21.11	-2.04	19.07	<=33.01	Pass		
		25	0	20.06	-2.04	18.02	<=33.01	Pass		
			13	20.04	-2.04	18.00	<=33.01	Pass		
			25	20.06	-2.04	18.02	<=33.01	Pass		
		50	0	20.05	-2.04	18.01	<=33.01	Pass		
		2593	1	0	20.70	-2.04	18.66	<=33.01	Pass	
				25	20.62	-2.04	18.58	<=33.01	Pass	
	49			20.58	-2.04	18.54	<=33.01	Pass		
	25		0	19.60	-2.04	17.56	<=33.01	Pass		
			13	19.54	-2.04	17.50	<=33.01	Pass		
			25	19.51	-2.04	17.47	<=33.01	Pass		
	50		0	19.44	-2.04	17.40	<=33.01	Pass		
	2685		1	0	20.84	-2.04	18.80	<=33.01	Pass	
				25	20.84	-2.04	18.80	<=33.01	Pass	
		49		20.91	-2.04	18.87	<=33.01	Pass		
		25	0	19.67	-2.04	17.63	<=33.01	Pass		
			13	19.79	-2.04	17.75	<=33.01	Pass		
			25	19.75	-2.04	17.71	<=33.01	Pass		
		50	0	19.82	-2.04	17.78	<=33.01	Pass		
		64QAM	2501	1	0	19.79	-2.04	17.75	<=33.01	Pass
					25	19.70	-2.04	17.66	<=33.01	Pass
	49				19.74	-2.04	17.70	<=33.01	Pass	
25	0			19.05	-2.04	17.01	<=33.01	Pass		
	13			19.06	-2.04	17.02	<=33.01	Pass		
	25			19.08	-2.04	17.04	<=33.01	Pass		
50	0			19.08	-2.04	17.04	<=33.01	Pass		
2593	1			0	19.31	-2.04	17.27	<=33.01	Pass	
				25	19.21	-2.04	17.17	<=33.01	Pass	
			49	19.21	-2.04	17.17	<=33.01	Pass		
	25		0	18.65	-2.04	16.61	<=33.01	Pass		
			13	18.57	-2.04	16.53	<=33.01	Pass		
			25	18.53	-2.04	16.49	<=33.01	Pass		
	50		0	18.38	-2.04	16.34	<=33.01	Pass		
	2685		1	0	19.41	-2.04	17.37	<=33.01	Pass	
				25	19.47	-2.04	17.43	<=33.01	Pass	
49				19.65	-2.04	17.61	<=33.01	Pass		
25			0	18.77	-2.04	16.73	<=33.01	Pass		
			13	18.85	-2.04	16.81	<=33.01	Pass		
			25	18.88	-2.04	16.84	<=33.01	Pass		
50			0	18.84	-2.04	16.80	<=33.01	Pass		
256QAM			2501	1	0	16.97	-2.04	14.93	<=33.01	Pass
					25	16.90	-2.04	14.86	<=33.01	Pass
	49				16.95	-2.04	14.91	<=33.01	Pass	
	25	0		17.05	-2.04	15.01	<=33.01	Pass		
		13		17.05	-2.04	15.01	<=33.01	Pass		
		25		17.07	-2.04	15.03	<=33.01	Pass		
	50	0		17.12	-2.04	15.08	<=33.01	Pass		
	2593	1		0	16.50	-2.04	14.46	<=33.01	Pass	
				25	16.45	-2.04	14.41	<=33.01	Pass	
			49	16.24	-2.04	14.20	<=33.01	Pass		
	25	0	16.52	-2.04	14.48	<=33.01	Pass			

		50	13	16.55	-2.04	14.51	<=33.01	Pass
			25	16.54	-2.04	14.50	<=33.01	Pass
			0	16.59	-2.04	14.55	<=33.01	Pass
	2685	1	0	16.62	-2.04	14.58	<=33.01	Pass
			25	16.63	-2.04	14.59	<=33.01	Pass
			49	16.80	-2.04	14.76	<=33.01	Pass
		25	0	16.79	-2.04	14.75	<=33.01	Pass
			13	16.85	-2.04	14.81	<=33.01	Pass
			25	16.89	-2.04	14.85	<=33.01	Pass
		50	0	16.91	-2.04	14.87	<=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	22.13	-2.04	20.09	<=33.01	Pass
			38	22.02	-2.04	19.98	<=33.01	Pass
			74	22.00	-2.04	19.96	<=33.01	Pass
		36	0	21.10	-2.04	19.06	<=33.01	Pass
			18	21.08	-2.04	19.04	<=33.01	Pass
			39	21.03	-2.04	18.99	<=33.01	Pass
		75	0	21.08	-2.04	19.04	<=33.01	Pass
	2593	1	0	21.65	-2.04	19.61	<=33.01	Pass
			38	21.57	-2.04	19.53	<=33.01	Pass
			74	21.49	-2.04	19.45	<=33.01	Pass
		36	0	20.64	-2.04	18.60	<=33.01	Pass
			18	20.54	-2.04	18.50	<=33.01	Pass
			39	20.51	-2.04	18.47	<=33.01	Pass
		75	0	20.55	-2.04	18.51	<=33.01	Pass
	2682.5	1	0	21.65	-2.04	19.61	<=33.01	Pass
			38	21.76	-2.04	19.72	<=33.01	Pass
			74	21.89	-2.04	19.85	<=33.01	Pass
		36	0	20.73	-2.04	18.69	<=33.01	Pass
			18	20.76	-2.04	18.72	<=33.01	Pass
			39	20.85	-2.04	18.81	<=33.01	Pass
		75	0	20.82	-2.04	18.78	<=33.01	Pass
16QAM	2503.5	1	0	21.22	-2.04	19.18	<=33.01	Pass
			38	21.11	-2.04	19.07	<=33.01	Pass
			74	21.11	-2.04	19.07	<=33.01	Pass
		36	0	20.06	-2.04	18.02	<=33.01	Pass
			18	20.05	-2.04	18.01	<=33.01	Pass
			39	20.02	-2.04	17.98	<=33.01	Pass
		75	0	20.11	-2.04	18.07	<=33.01	Pass
	2593	1	0	20.75	-2.04	18.71	<=33.01	Pass
			38	20.66	-2.04	18.62	<=33.01	Pass
			74	20.58	-2.04	18.54	<=33.01	Pass
		36	0	19.61	-2.04	17.57	<=33.01	Pass
			18	19.53	-2.04	17.49	<=33.01	Pass
			39	19.48	-2.04	17.44	<=33.01	Pass
		75	0	19.49	-2.04	17.45	<=33.01	Pass
	2682.5	1	0	20.76	-2.04	18.72	<=33.01	Pass
			38	20.86	-2.04	18.82	<=33.01	Pass
			74	20.99	-2.04	18.95	<=33.01	Pass
		36	0	19.54	-2.04	17.50	<=33.01	Pass
			18	19.59	-2.04	17.55	<=33.01	Pass

			39	19.67	-2.04	17.63	<=33.01	Pass	
		75	0	19.85	-2.04	17.81	<=33.01	Pass	
64QAM	2503.5	1	0	19.82	-2.04	17.78	<=33.01	Pass	
			38	19.77	-2.04	17.73	<=33.01	Pass	
			74	19.70	-2.04	17.66	<=33.01	Pass	
			0	19.07	-2.04	17.03	<=33.01	Pass	
		36	18	19.06	-2.04	17.02	<=33.01	Pass	
			39	19.05	-2.04	17.01	<=33.01	Pass	
			75	0	19.10	-2.04	17.06	<=33.01	Pass
		2593	1	0	19.40	-2.04	17.36	<=33.01	Pass
				38	19.29	-2.04	17.25	<=33.01	Pass
	74			19.20	-2.04	17.16	<=33.01	Pass	
	0			18.63	-2.04	16.59	<=33.01	Pass	
	36		18	18.55	-2.04	16.51	<=33.01	Pass	
			39	18.51	-2.04	16.47	<=33.01	Pass	
			75	0	18.45	-2.04	16.41	<=33.01	Pass
	2682.5		1	0	19.36	-2.04	17.32	<=33.01	Pass
				38	19.48	-2.04	17.44	<=33.01	Pass
		74		19.59	-2.04	17.55	<=33.01	Pass	
		0		18.70	-2.04	16.66	<=33.01	Pass	
		36	18	18.76	-2.04	16.72	<=33.01	Pass	
			39	18.85	-2.04	16.81	<=33.01	Pass	
			75	0	18.82	-2.04	16.78	<=33.01	Pass
		256QAM	2503.5	1	0	17.03	-2.04	14.99	<=33.01
38					16.94	-2.04	14.90	<=33.01	Pass
74	16.95				-2.04	14.91	<=33.01	Pass	
36	0			17.09	-2.04	15.05	<=33.01	Pass	
	18			17.07	-2.04	15.03	<=33.01	Pass	
	39			17.06	-2.04	15.02	<=33.01	Pass	
75	0			17.10	-2.04	15.06	<=33.01	Pass	
2593	1			0	16.56	-2.04	14.52	<=33.01	Pass
				38	16.49	-2.04	14.45	<=33.01	Pass
			74	16.33	-2.04	14.29	<=33.01	Pass	
			0	16.65	-2.04	14.61	<=33.01	Pass	
	36		18	16.56	-2.04	14.52	<=33.01	Pass	
			39	16.53	-2.04	14.49	<=33.01	Pass	
			75	0	16.64	-2.04	14.60	<=33.01	Pass
	2682.5		1	0	16.55	-2.04	14.51	<=33.01	Pass
				38	16.65	-2.04	14.61	<=33.01	Pass
74				16.80	-2.04	14.76	<=33.01	Pass	
0				16.76	-2.04	14.72	<=33.01	Pass	
36			18	16.79	-2.04	14.75	<=33.01	Pass	
			39	16.90	-2.04	14.86	<=33.01	Pass	
			75	0	16.86	-2.04	14.82	<=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	22.18	-2.04	20.14	<=33.01	Pass
			50	22.02	-2.04	19.98	<=33.01	Pass
			99	21.99	-2.04	19.95	<=33.01	Pass
		50	0	21.11	-2.04	19.07	<=33.01	Pass
			25	21.12	-2.04	19.08	<=33.01	Pass
			50	21.08	-2.04	19.04	<=33.01	Pass

		100	0	21.11	-2.04	19.07	<=33.01	Pass
	2593	1	0	21.69	-2.04	19.65	<=33.01	Pass
			50	21.58	-2.04	19.54	<=33.01	Pass
			99	21.46	-2.04	19.42	<=33.01	Pass
			0	20.69	-2.04	18.65	<=33.01	Pass
		50	25	20.61	-2.04	18.57	<=33.01	Pass
			50	20.46	-2.04	18.42	<=33.01	Pass
	100	0	20.61	-2.04	18.57	<=33.01	Pass	
	2680	1	0	21.59	-2.04	19.55	<=33.01	Pass
			50	21.73	-2.04	19.69	<=33.01	Pass
			99	21.90	-2.04	19.86	<=33.01	Pass
		50	0	20.72	-2.04	18.68	<=33.01	Pass
			25	20.81	-2.04	18.77	<=33.01	Pass
			50	20.90	-2.04	18.86	<=33.01	Pass
		100	0	20.83	-2.04	18.79	<=33.01	Pass
16QAM	2506	1	0	21.25	-2.04	19.21	<=33.01	Pass
			50	21.12	-2.04	19.08	<=33.01	Pass
			99	21.01	-2.04	18.97	<=33.01	Pass
		50	0	20.11	-2.04	18.07	<=33.01	Pass
			25	20.15	-2.04	18.11	<=33.01	Pass
			50	20.10	-2.04	18.06	<=33.01	Pass
		100	0	20.12	-2.04	18.08	<=33.01	Pass
	2593	1	0	20.79	-2.04	18.75	<=33.01	Pass
			50	20.71	-2.04	18.67	<=33.01	Pass
			99	20.56	-2.04	18.52	<=33.01	Pass
		50	0	19.57	-2.04	17.53	<=33.01	Pass
			25	19.58	-2.04	17.54	<=33.01	Pass
			50	19.49	-2.04	17.45	<=33.01	Pass
		100	0	19.46	-2.04	17.42	<=33.01	Pass
	2680	1	0	20.69	-2.04	18.65	<=33.01	Pass
			50	20.82	-2.04	18.78	<=33.01	Pass
			99	20.91	-2.04	18.87	<=33.01	Pass
		50	0	19.76	-2.04	17.72	<=33.01	Pass
			25	19.81	-2.04	17.77	<=33.01	Pass
			50	19.91	-2.04	17.87	<=33.01	Pass
		100	0	19.69	-2.04	17.65	<=33.01	Pass
64QAM	2506	1	0	19.84	-2.04	17.80	<=33.01	Pass
			50	19.78	-2.04	17.74	<=33.01	Pass
			99	19.70	-2.04	17.66	<=33.01	Pass
		50	0	19.11	-2.04	17.07	<=33.01	Pass
			25	19.12	-2.04	17.08	<=33.01	Pass
			50	19.08	-2.04	17.04	<=33.01	Pass
		100	0	19.09	-2.04	17.05	<=33.01	Pass
	2593	1	0	19.44	-2.04	17.40	<=33.01	Pass
			50	19.31	-2.04	17.27	<=33.01	Pass
			99	19.17	-2.04	17.13	<=33.01	Pass
		50	0	18.56	-2.04	16.52	<=33.01	Pass
			25	18.61	-2.04	16.57	<=33.01	Pass
			50	18.55	-2.04	16.51	<=33.01	Pass
		100	0	18.62	-2.04	16.58	<=33.01	Pass
	2680	1	0	19.28	-2.04	17.24	<=33.01	Pass
			50	19.40	-2.04	17.36	<=33.01	Pass
			99	19.67	-2.04	17.63	<=33.01	Pass
		50	0	18.66	-2.04	16.62	<=33.01	Pass
			25	18.80	-2.04	16.76	<=33.01	Pass
			50	18.88	-2.04	16.84	<=33.01	Pass
		100	0	18.81	-2.04	16.77	<=33.01	Pass
256QAM	2506	1	0	16.97	-2.04	14.93	<=33.01	Pass
			50	16.91	-2.04	14.87	<=33.01	Pass

			99	16.92	-2.04	14.88	<=33.01	Pass
		50	0	17.13	-2.04	15.09	<=33.01	Pass
			25	17.16	-2.04	15.12	<=33.01	Pass
			50	17.13	-2.04	15.09	<=33.01	Pass
		100	0	17.08	-2.04	15.04	<=33.01	Pass
	2593	1	0	16.61	-2.04	14.57	<=33.01	Pass
			50	16.52	-2.04	14.48	<=33.01	Pass
			99	16.36	-2.04	14.32	<=33.01	Pass
		50	0	16.71	-2.04	14.67	<=33.01	Pass
			25	16.60	-2.04	14.56	<=33.01	Pass
			50	16.54	-2.04	14.50	<=33.01	Pass
		100	0	16.56	-2.04	14.52	<=33.01	Pass
		2680	1	0	16.51	-2.04	14.47	<=33.01
	50			16.60	-2.04	14.56	<=33.01	Pass
	99			16.82	-2.04	14.78	<=33.01	Pass
	50		0	16.76	-2.04	14.72	<=33.01	Pass
			25	16.84	-2.04	14.80	<=33.01	Pass
			50	16.94	-2.04	14.90	<=33.01	Pass
	100		0	16.82	-2.04	14.78	<=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	3.4	-6.600	-0.0025	-2.5 to 2.5	Pass
					3.8	1.800	0.0007	-2.5 to 2.5	Pass
					4.45	-8.400	-0.0032	-2.5 to 2.5	Pass
				-30	3.8	-1.700	-0.0007	-2.5 to 2.5	Pass
				-20	3.8	-3.600	-0.0014	-2.5 to 2.5	Pass
				-10	3.8	-0.900	-0.0003	-2.5 to 2.5	Pass
				0	3.8	-1.900	-0.0007	-2.5 to 2.5	Pass
				10	3.8	3.100	0.0012	-2.5 to 2.5	Pass
				30	3.8	0.600	0.0002	-2.5 to 2.5	Pass
				40	3.8	-4.500	-0.0017	-2.5 to 2.5	Pass
				50	3.8	-5.900	-0.0023	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band41_OBW

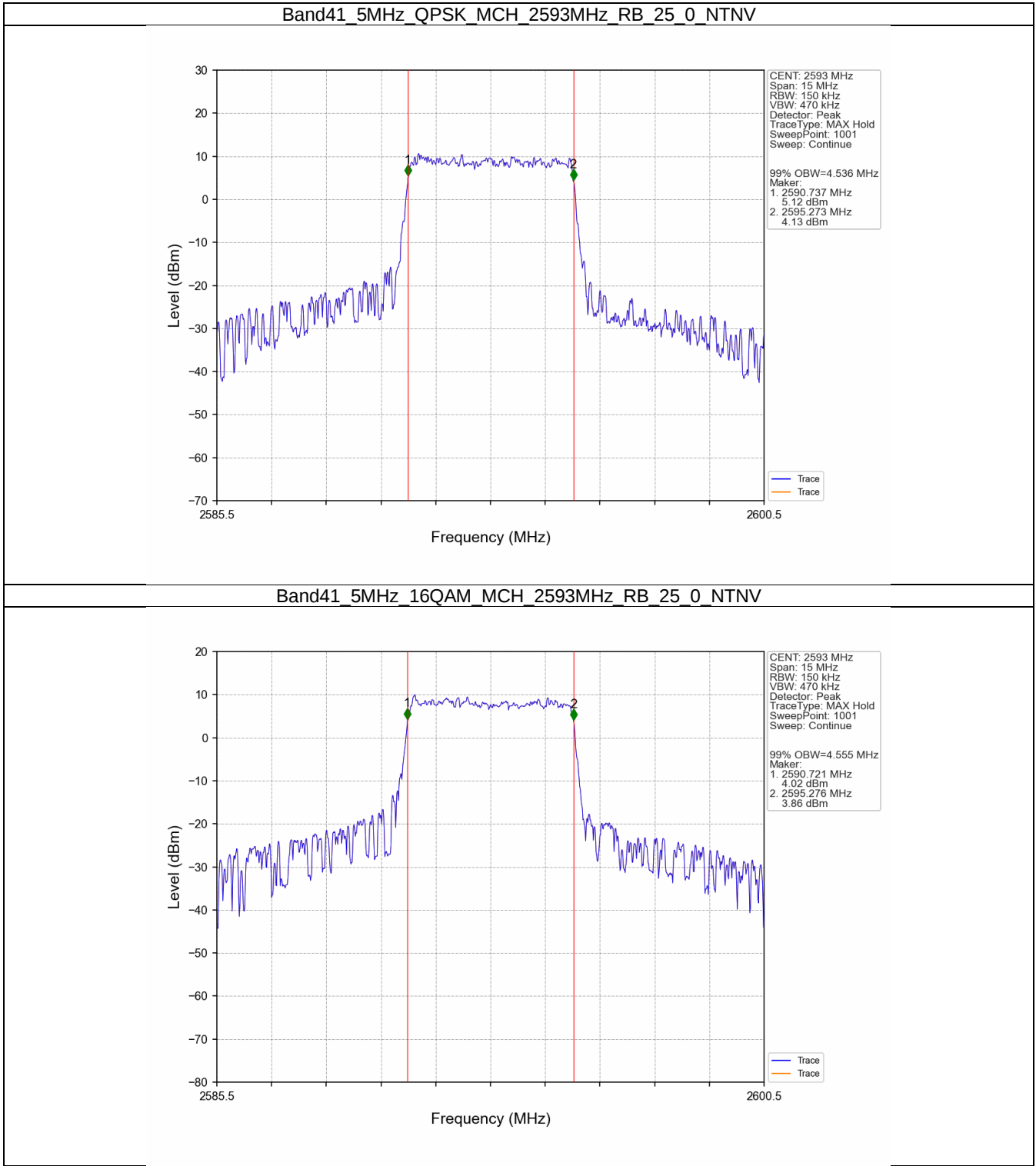
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	4.536	/	Pass
	16QAM	2593	25	0	4.555	/	Pass
10	QPSK	2593	50	0	9.082	/	Pass
	16QAM	2593	50	0	9.060	/	Pass
15	QPSK	2593	75	0	13.646	/	Pass
	16QAM	2593	75	0	13.599	/	Pass
20	QPSK	2593	100	0	18.105	/	Pass
	16QAM	2593	100	0	18.142	/	Pass

3.1.2 Band41_XDB

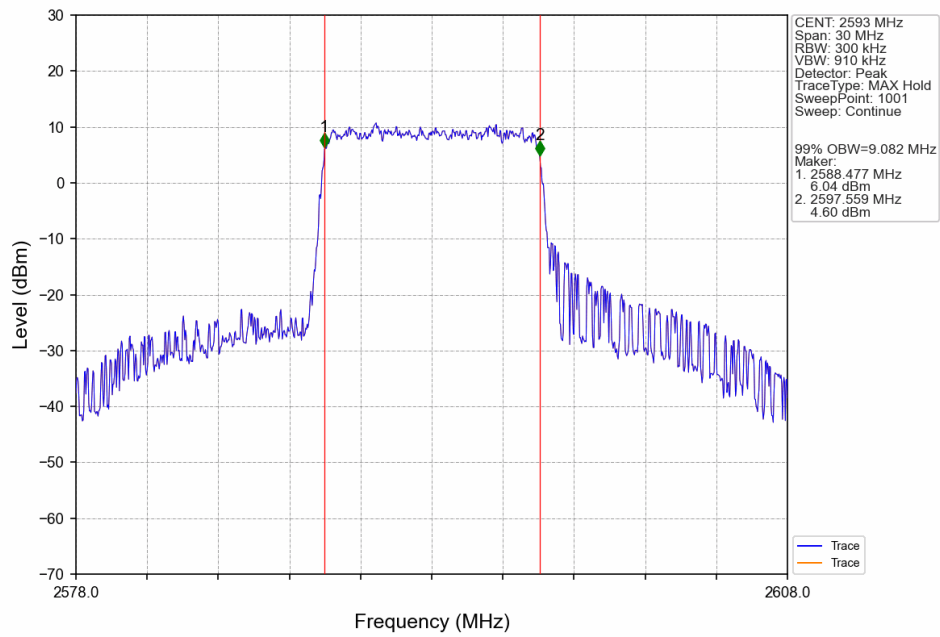
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	5.100	/	Pass
	16QAM	2593	25	0	5.219	/	Pass
10	QPSK	2593	50	0	10.680	/	Pass
	16QAM	2593	50	0	10.792	/	Pass
15	QPSK	2593	75	0	20.451	/	Pass
	16QAM	2593	75	0	16.453	/	Pass
20	QPSK	2593	100	0	20.946	/	Pass
	16QAM	2593	100	0	25.995	/	Pass

3.2 Test Graph

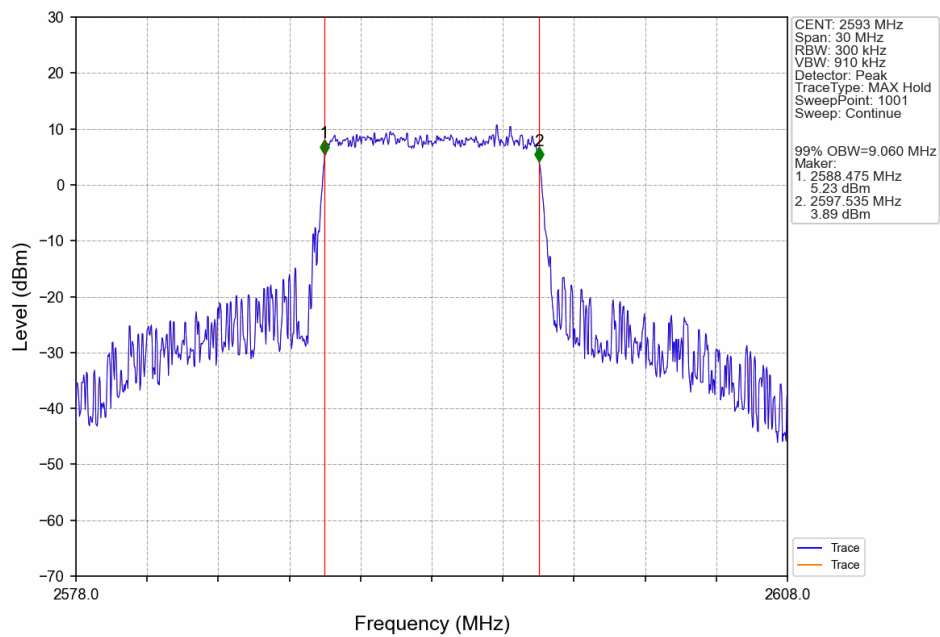
3.2.1 Band41_OBW



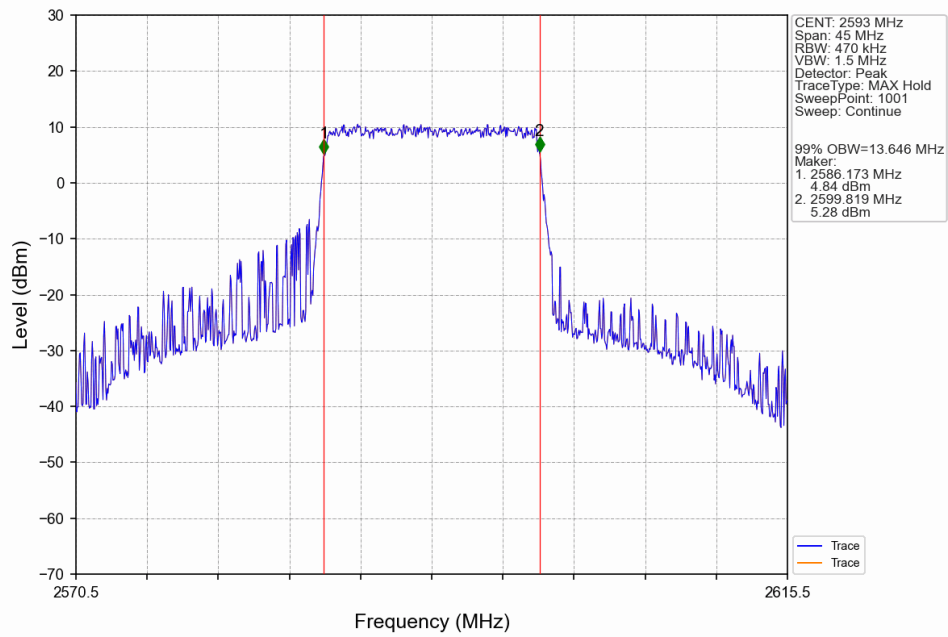
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



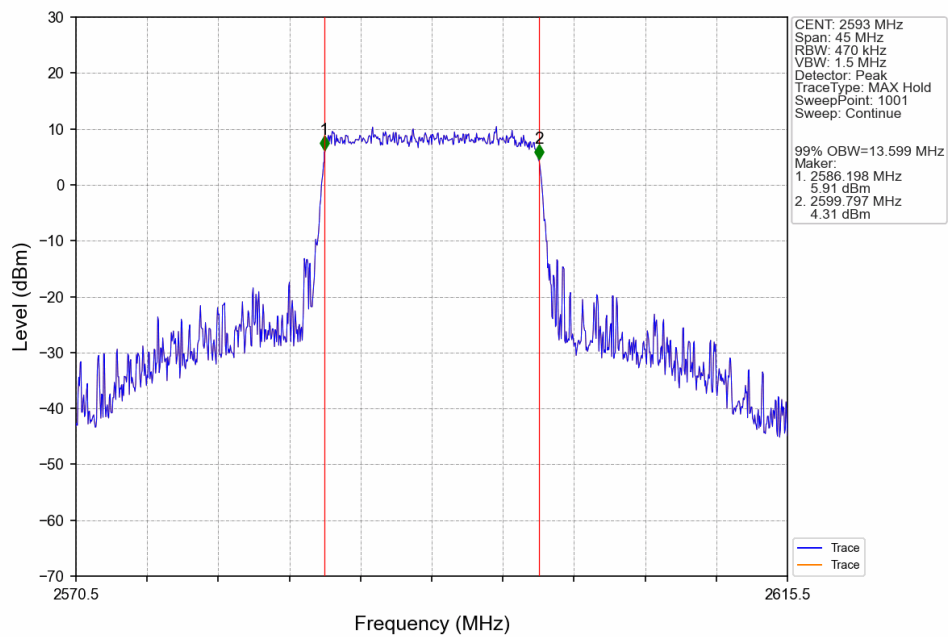
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



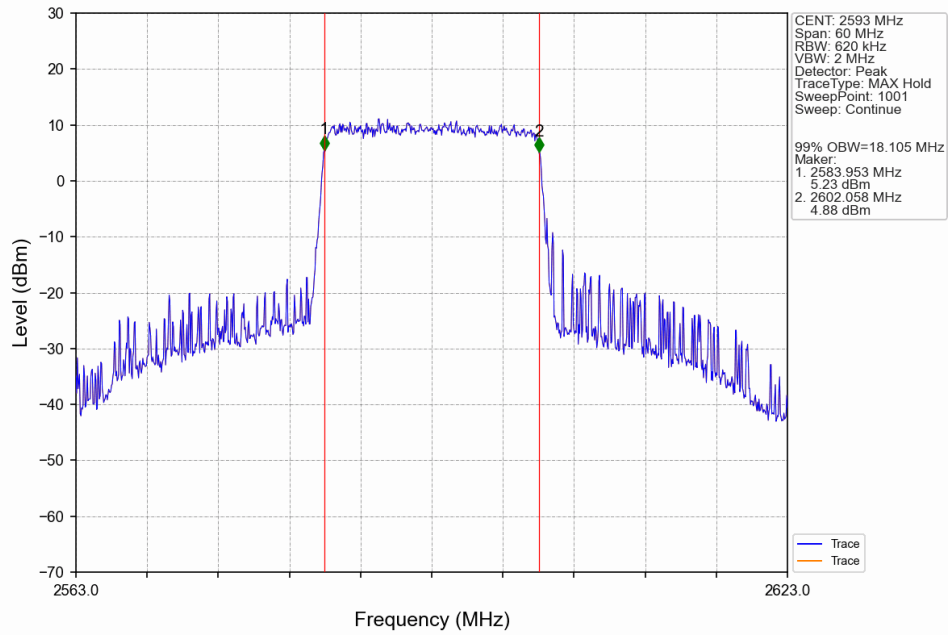
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



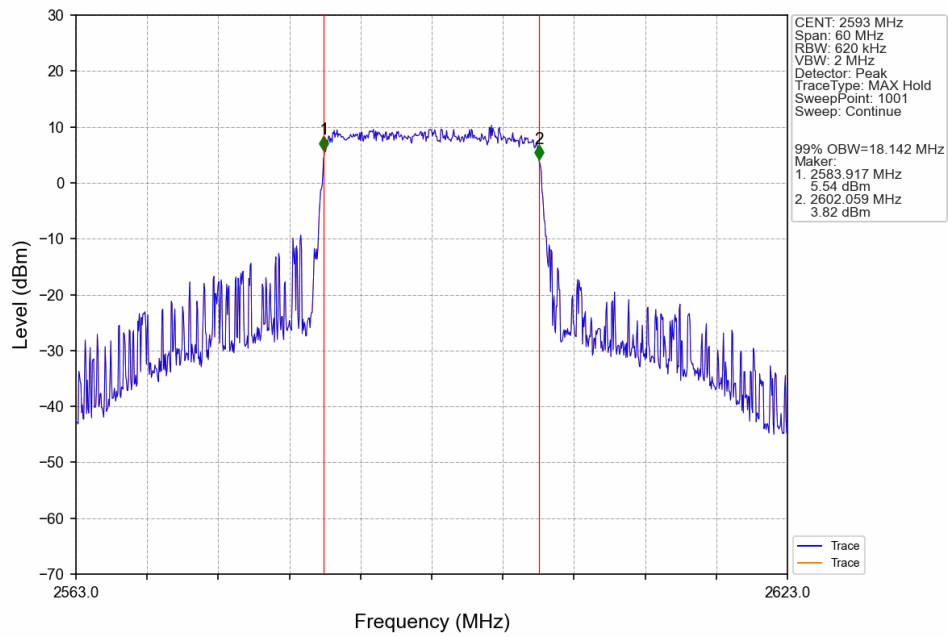
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



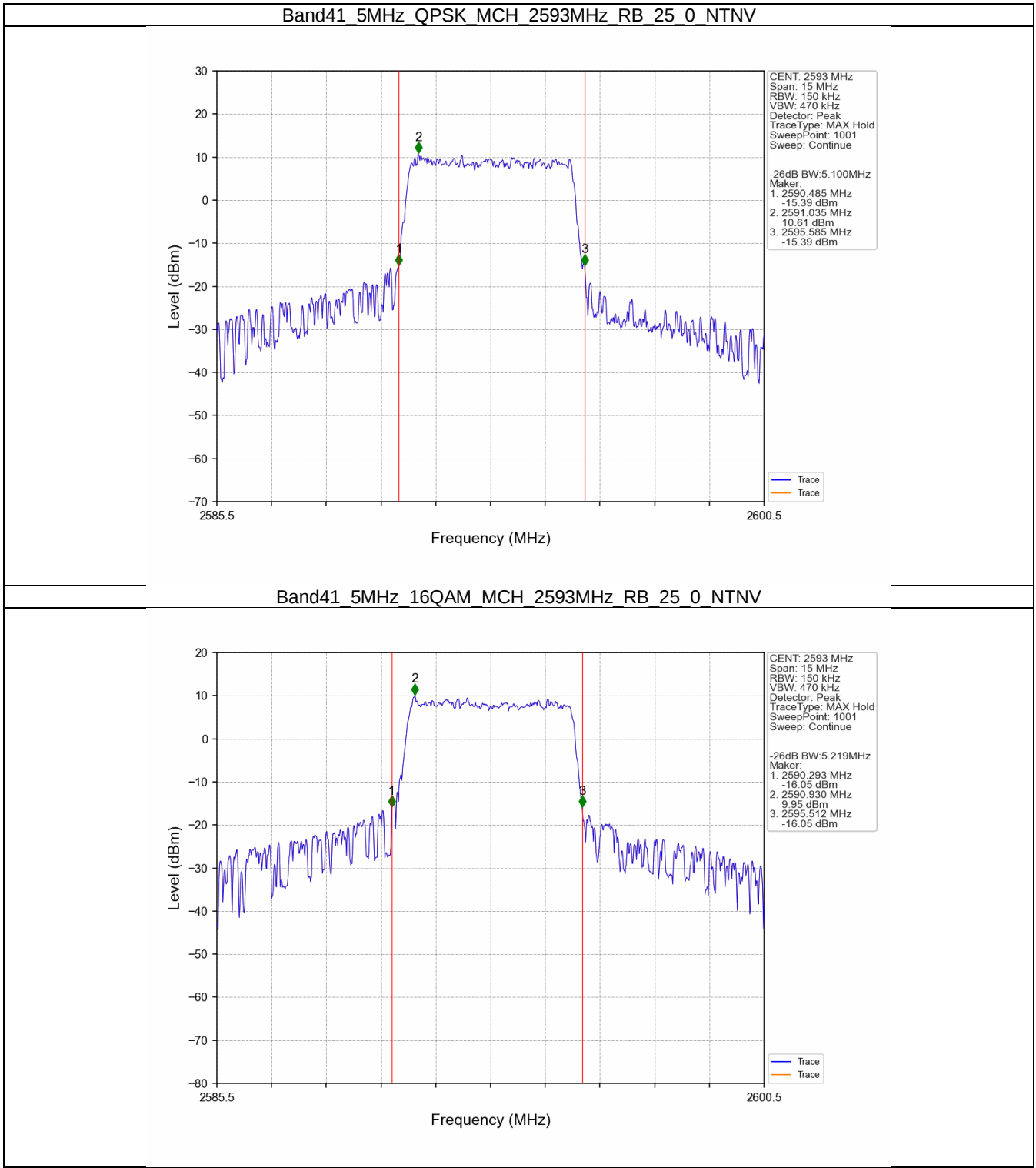
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



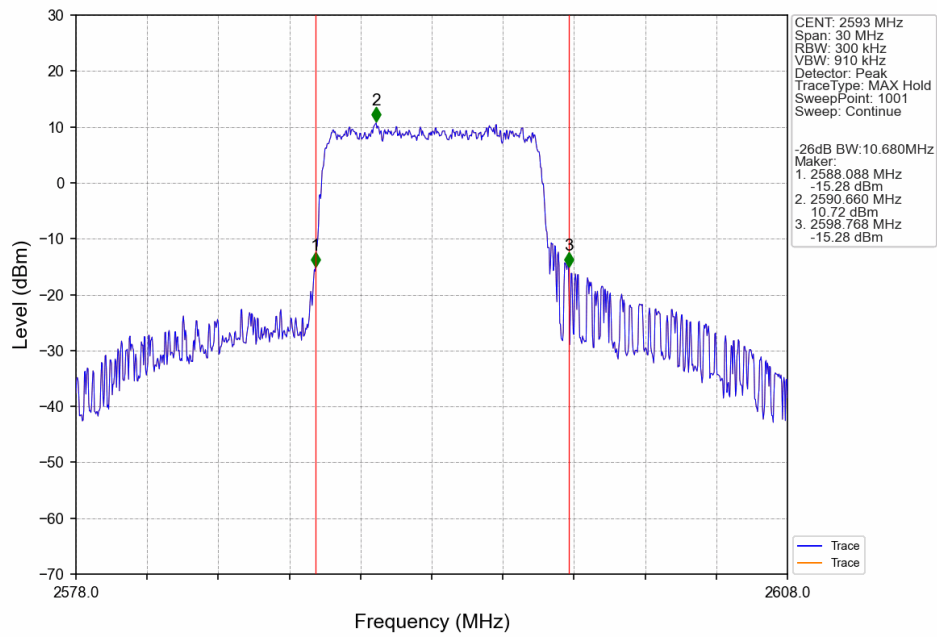
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



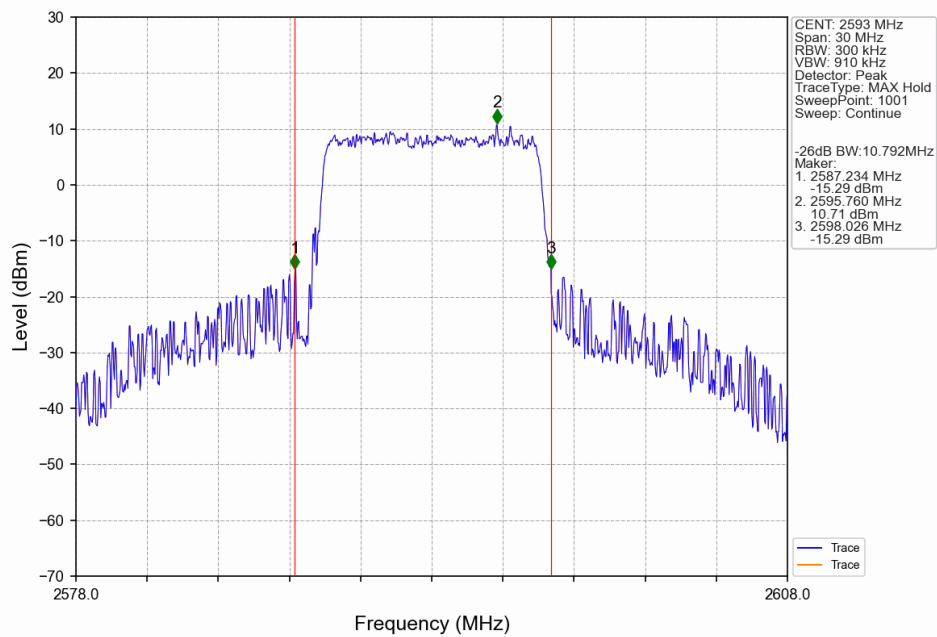
3.2.2 Band41_XDB



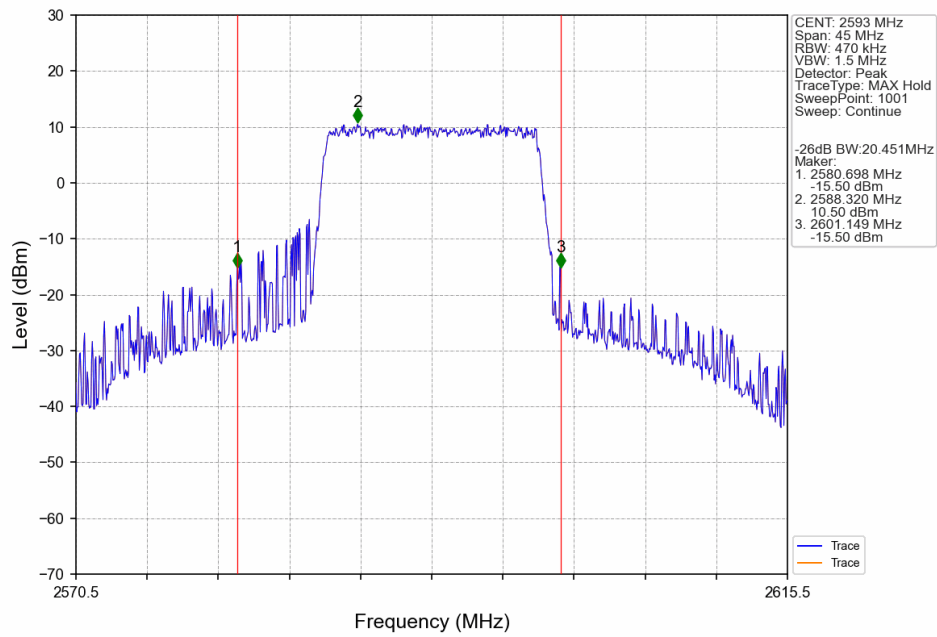
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



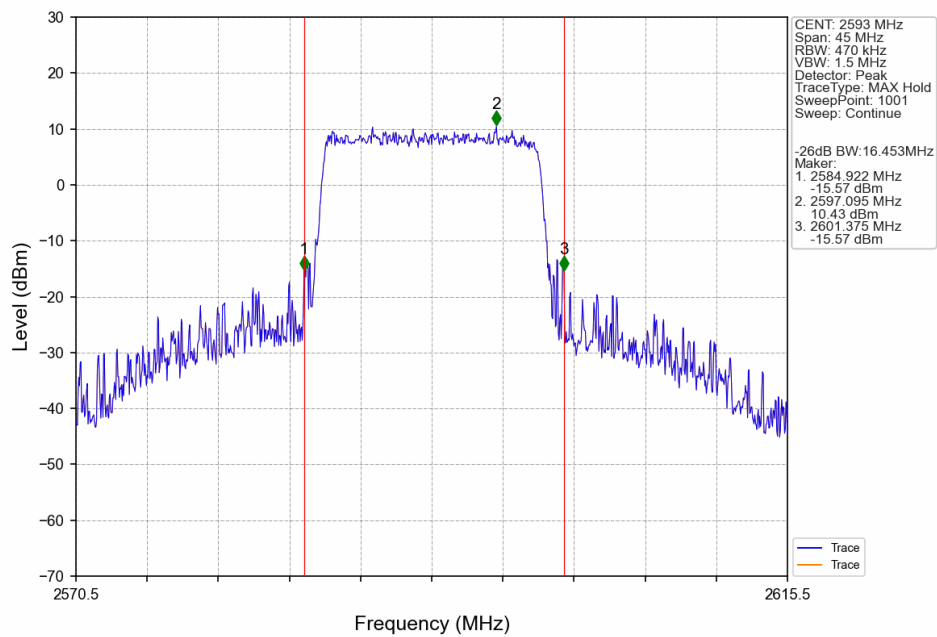
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



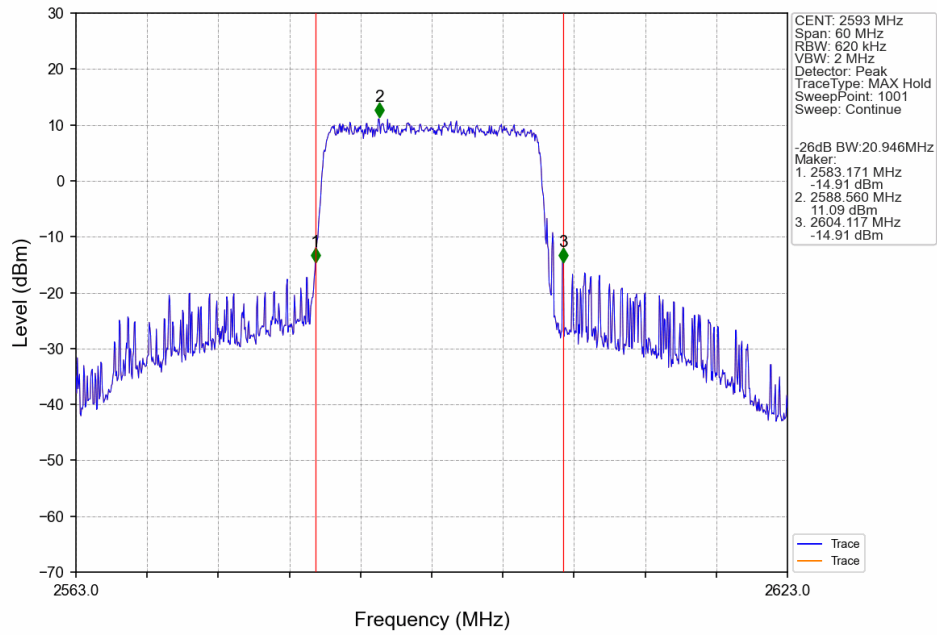
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



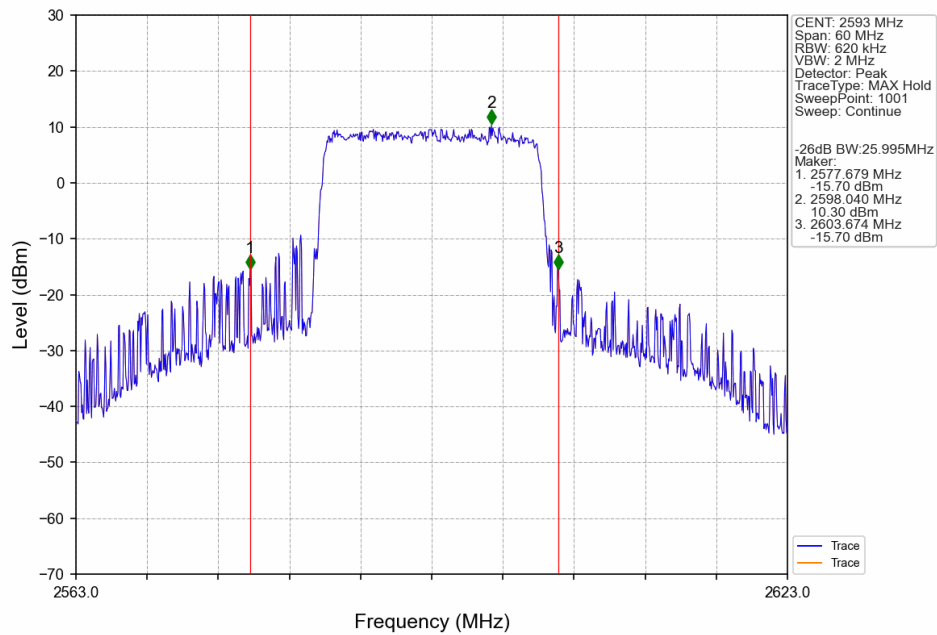
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



4. Peak-Average Ratio

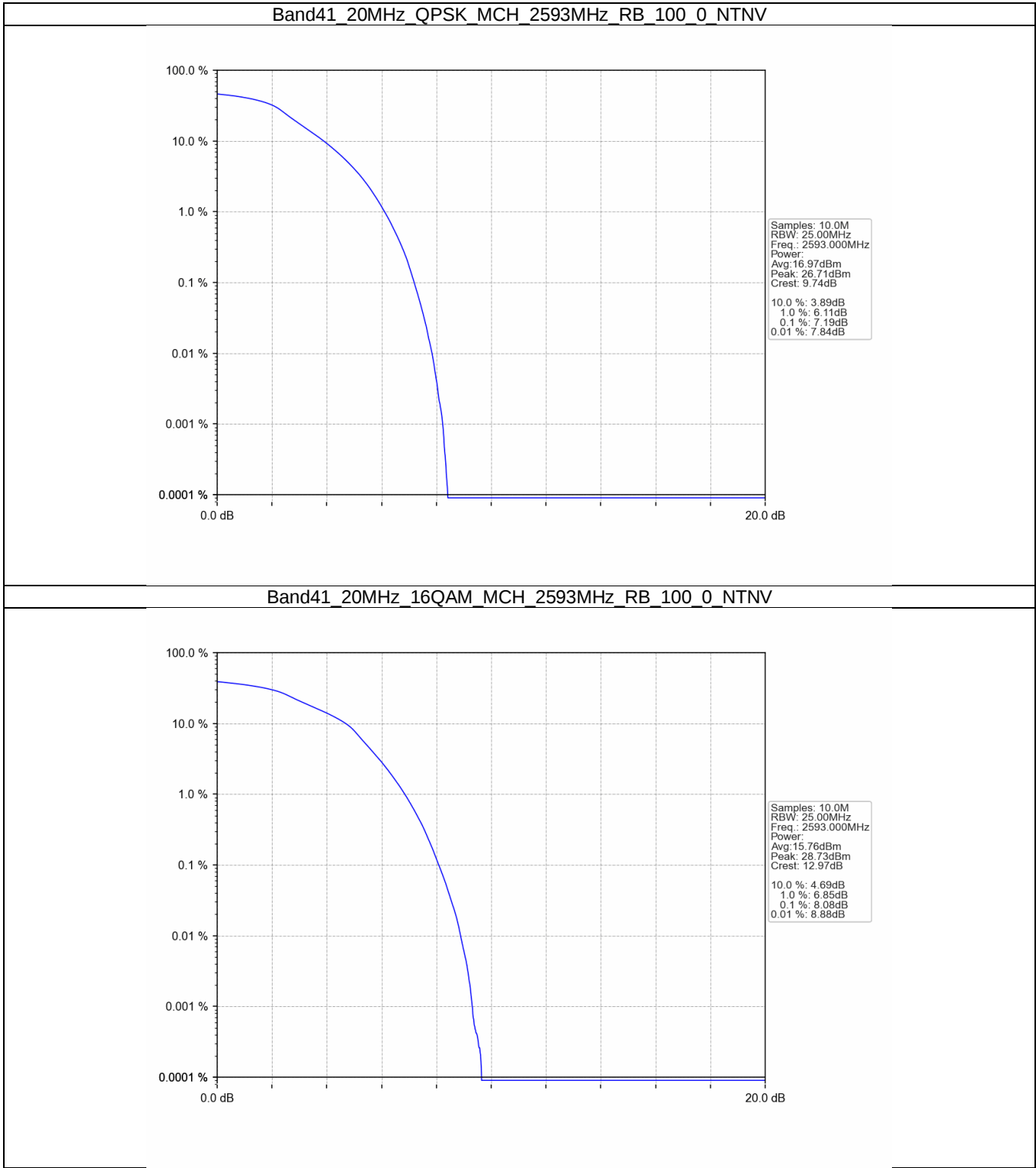
4.1 Test Result

4.1.1 B41_20MHz

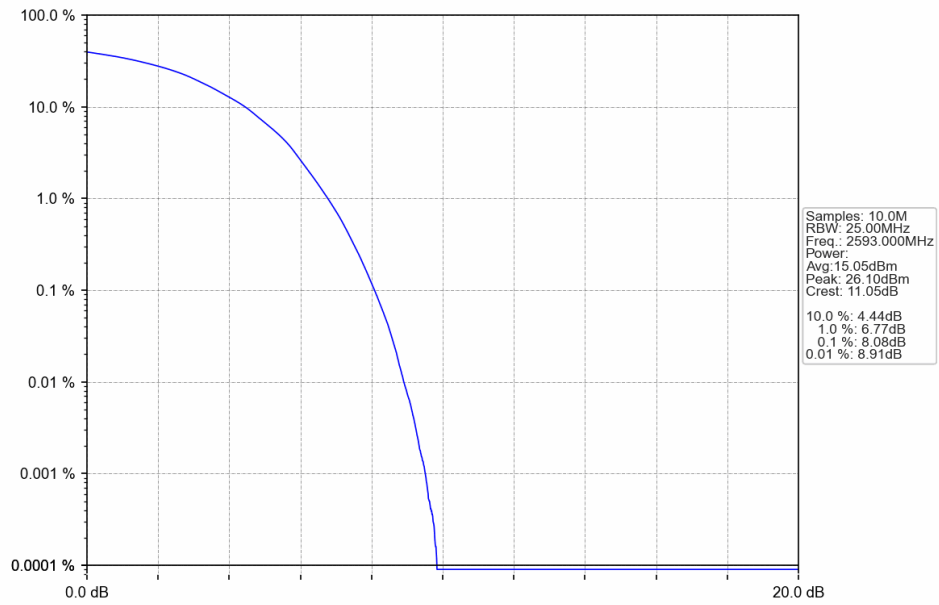
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	7.19	<=13	Pass
16QAM	2593	100	0	8.08	<=13	Pass
64QAM	2593	100	0	8.08	<=13	Pass
256QAM	2593	100	0	8.66	<=13	Pass

4.2 Test Graph

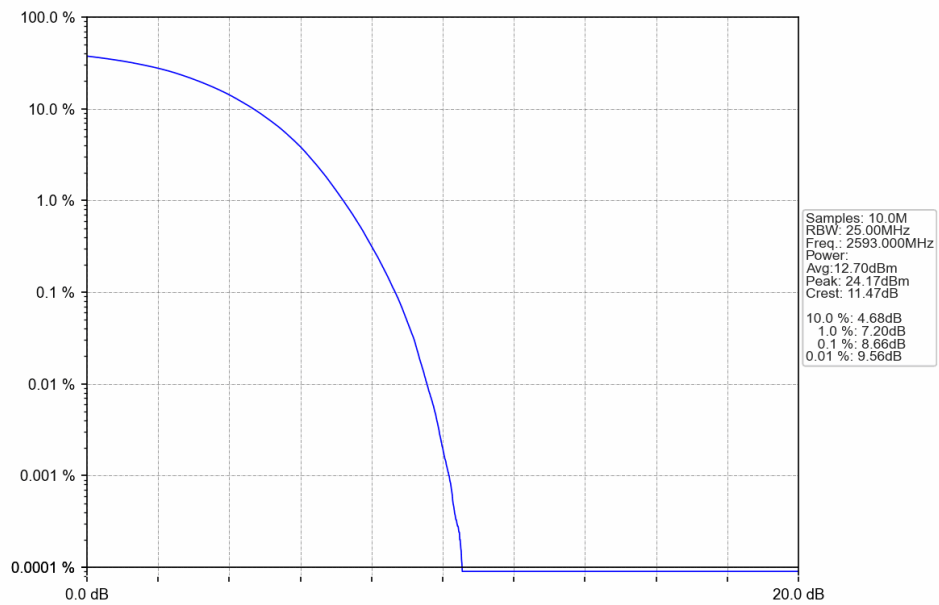
4.2.1 B41_20MHz



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 / NTNV						
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

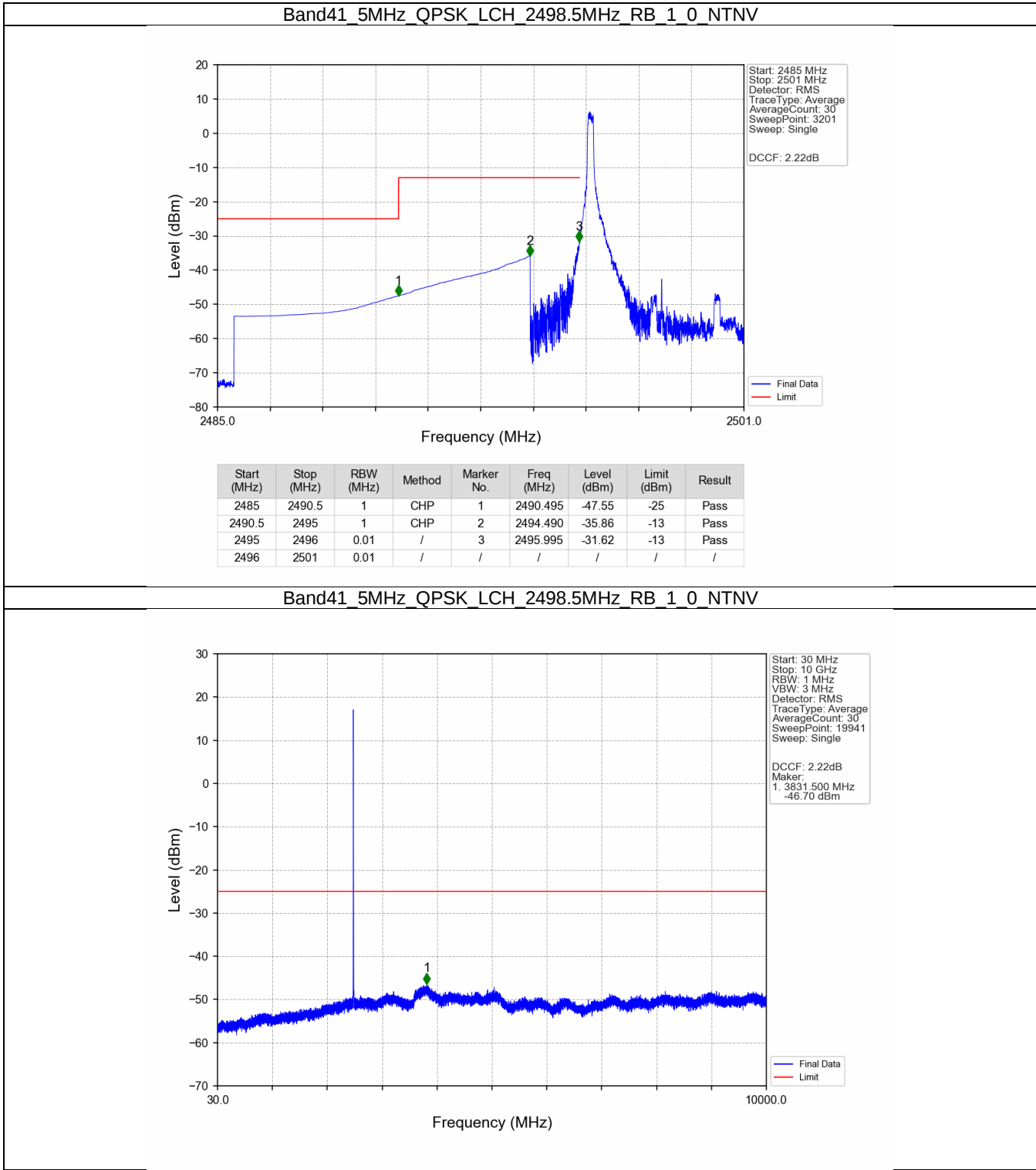
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B41_20MHz

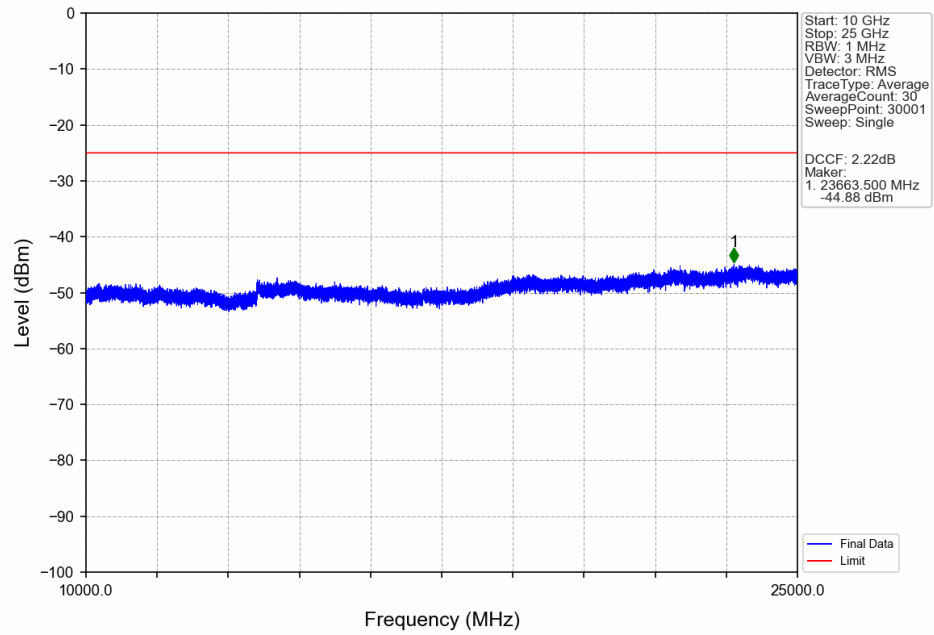
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2680	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

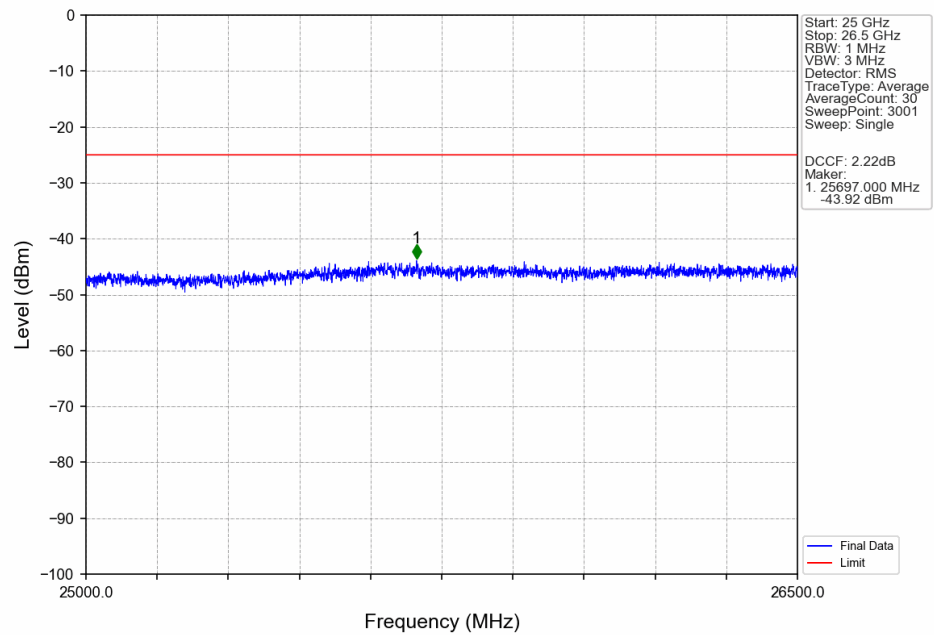
5.2.1 B41_5MHz



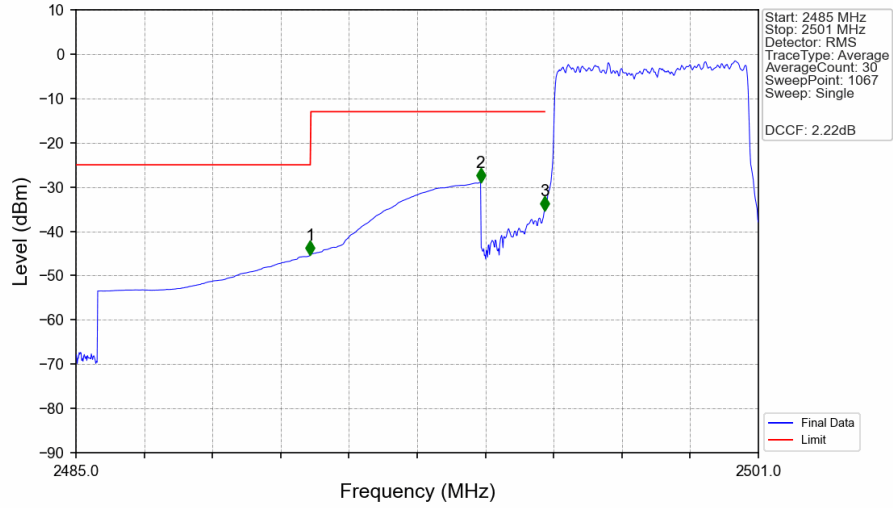
Band41 5MHz QPSK LCH 2498.5MHz RB 1 0 NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

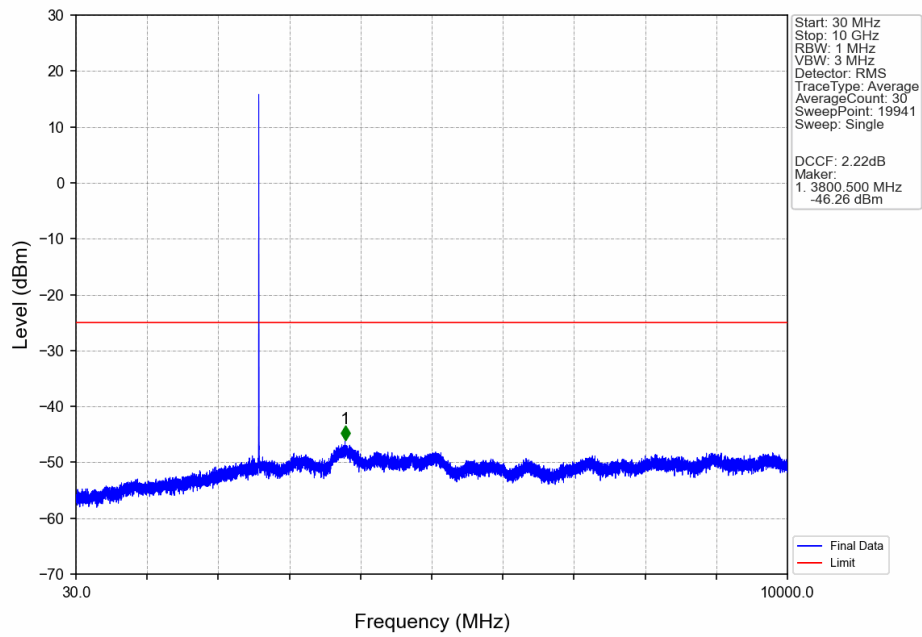


Band41 5MHz QPSK LCH 2498.5MHz RB 25 0 NTNV

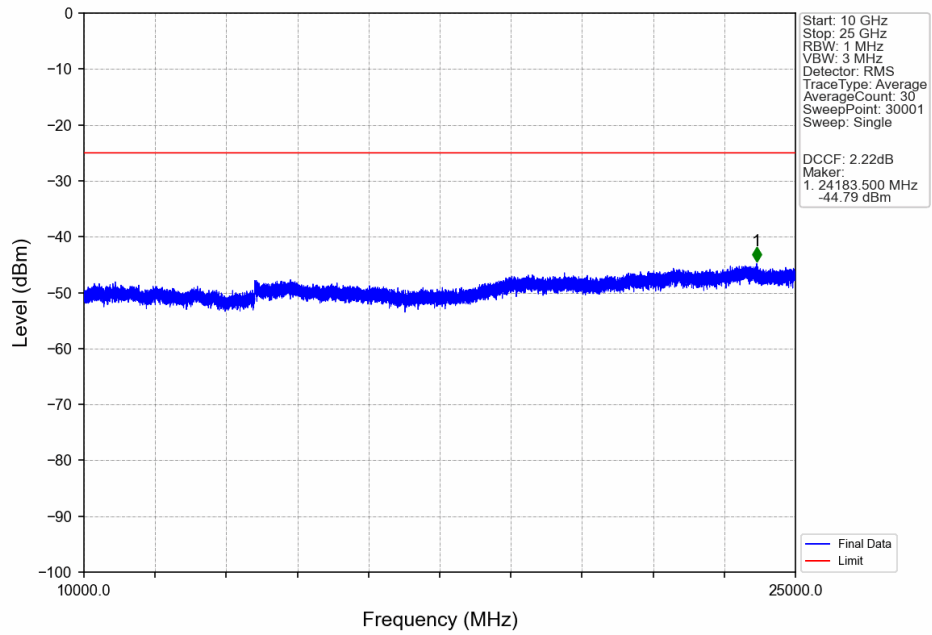


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-45.29	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-28.93	-13	Pass
2495	2496	0.051	CHP	3	2495.987	-35.27	-13	Pass
2496	2501	0.051	CHP	/	/	/	/	/

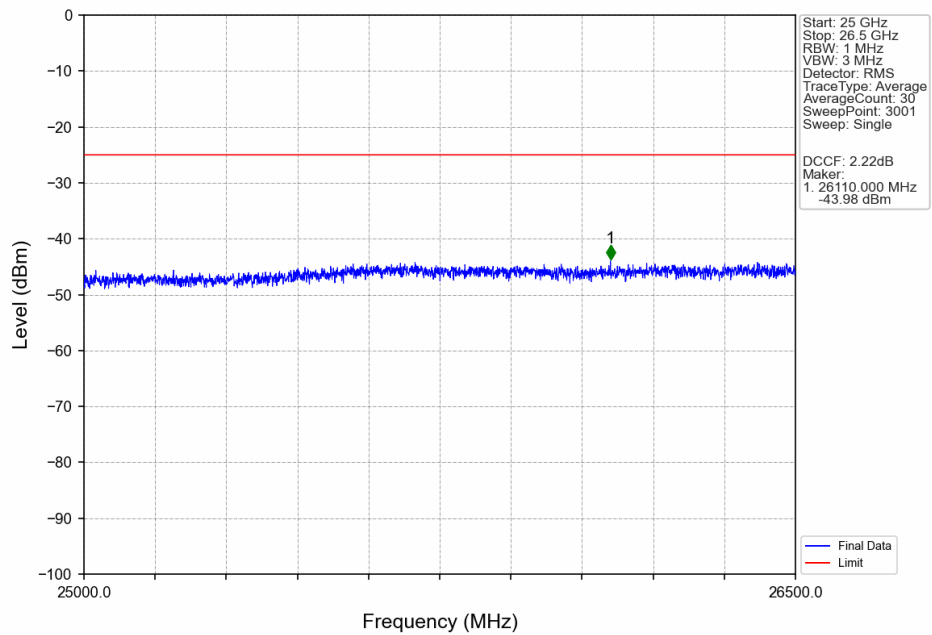
Band41 5MHz QPSK MCH 2593MHz RB 1 0 NTNV



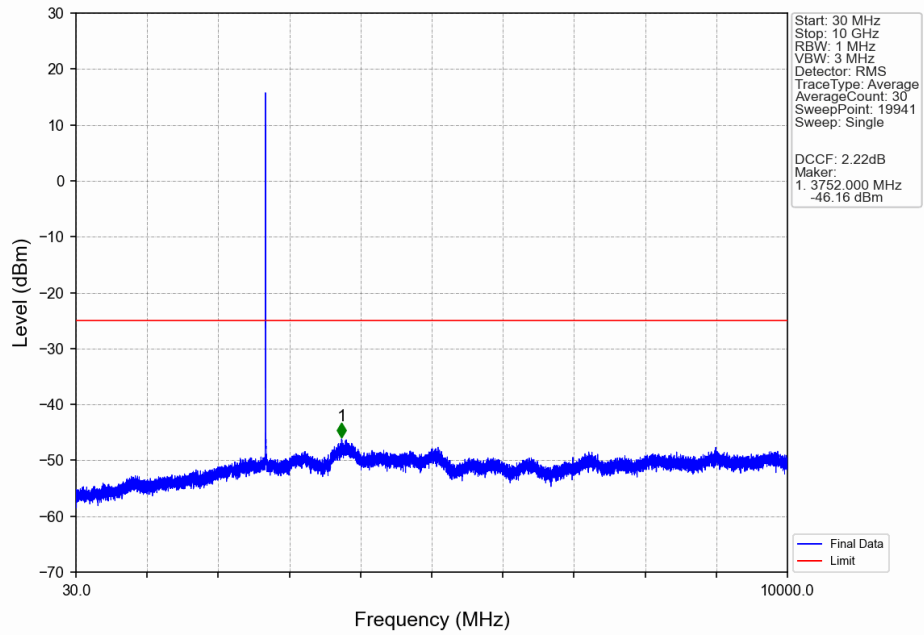
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



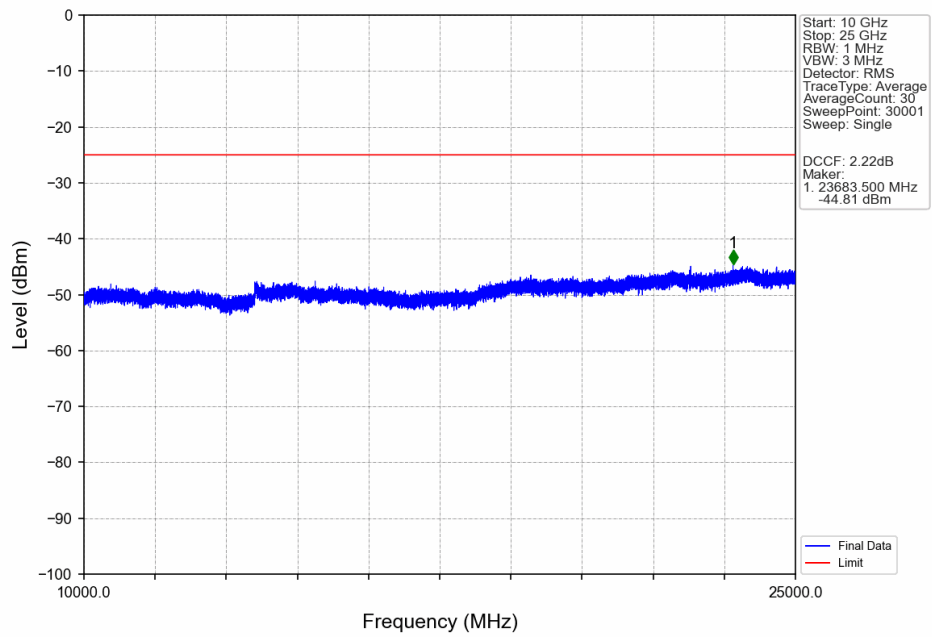
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



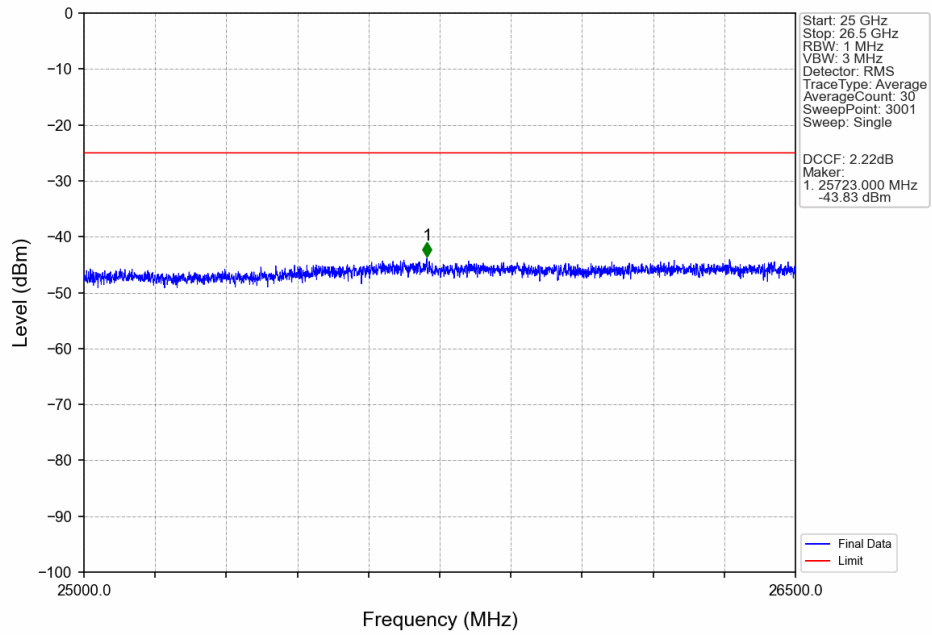
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



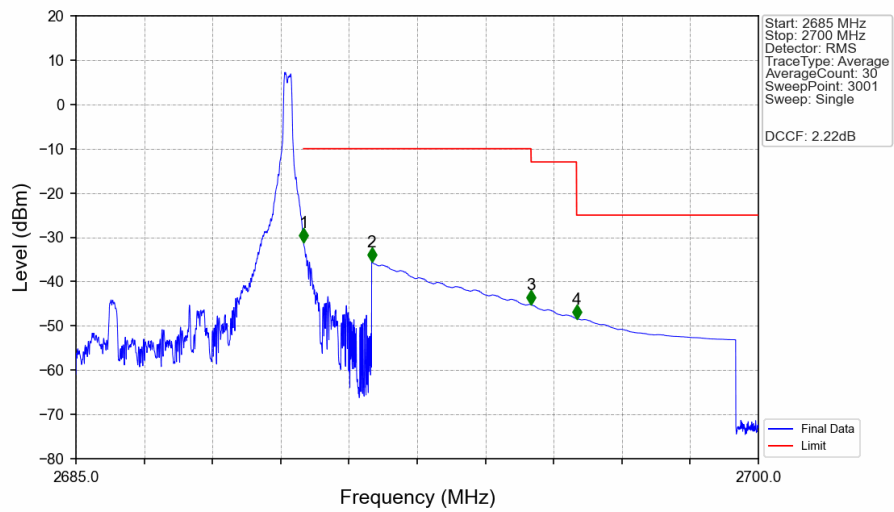
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTNV

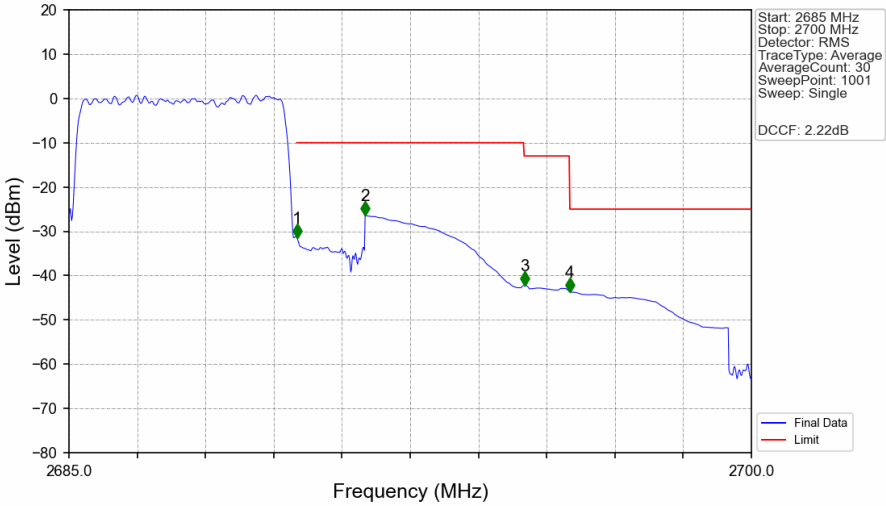


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



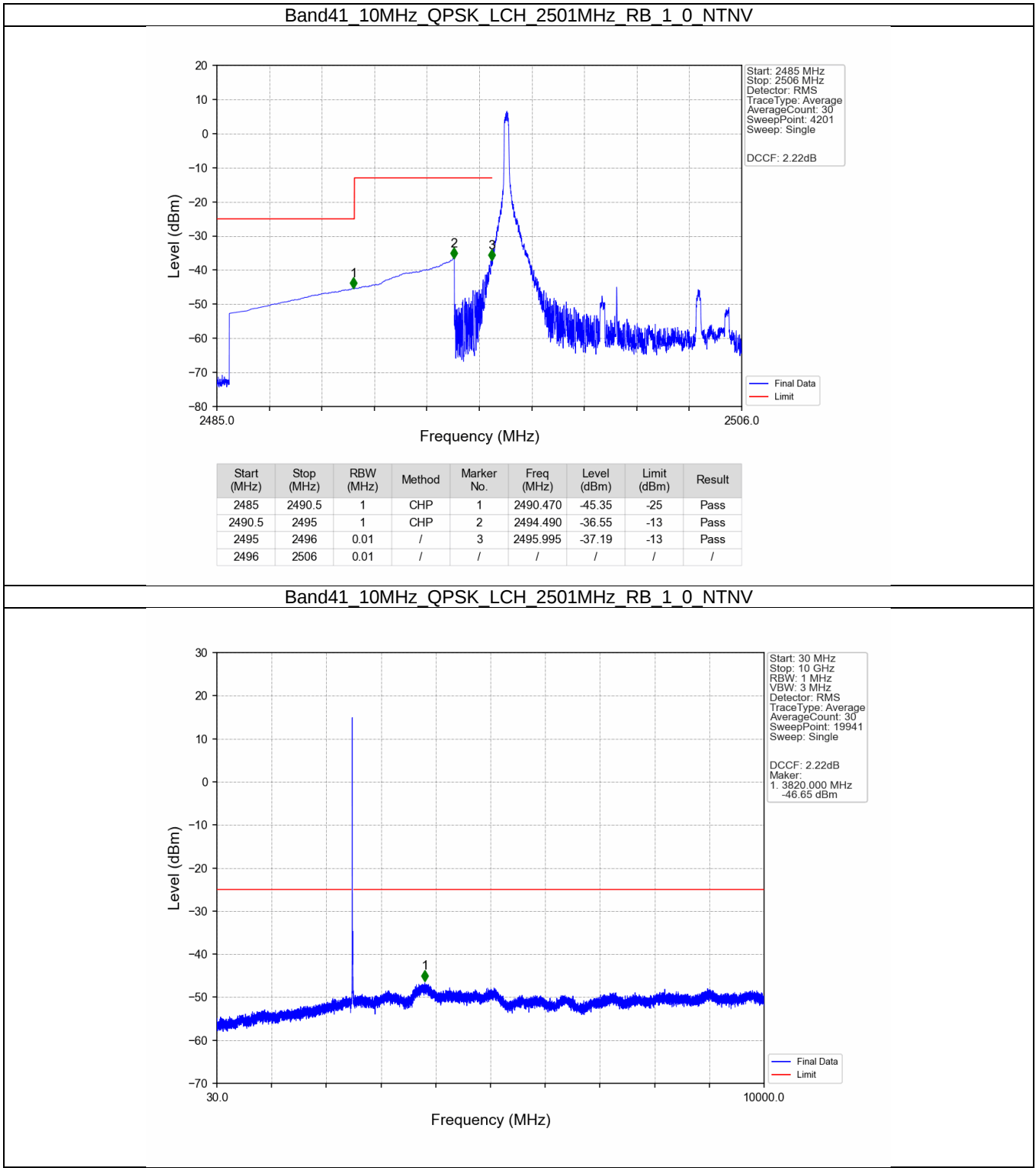
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-31.19	-10	Pass
2691	2695	1	CHP	2	2691.500	-35.57	-10	Pass
2695	2696	1	CHP	3	2695.005	-45.21	-13	Pass
2696	2700	1	CHP	4	2696.005	-48.38	-25	Pass

Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTN

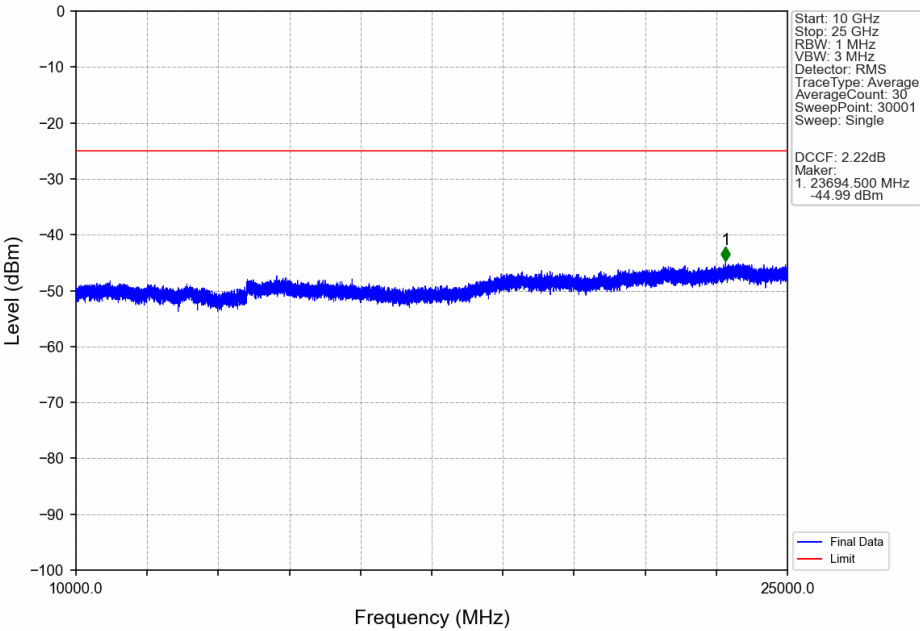


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.111	CHP	/	/	/	/	/
2690	2691	0.111	CHP	1	2690.010	-31.50	-10	Pass
2691	2695	1	CHP	2	2691.510	-26.46	-10	Pass
2695	2696	1	CHP	3	2695.020	-42.23	-13	Pass
2696	2700	1	CHP	4	2696.010	-43.69	-25	Pass

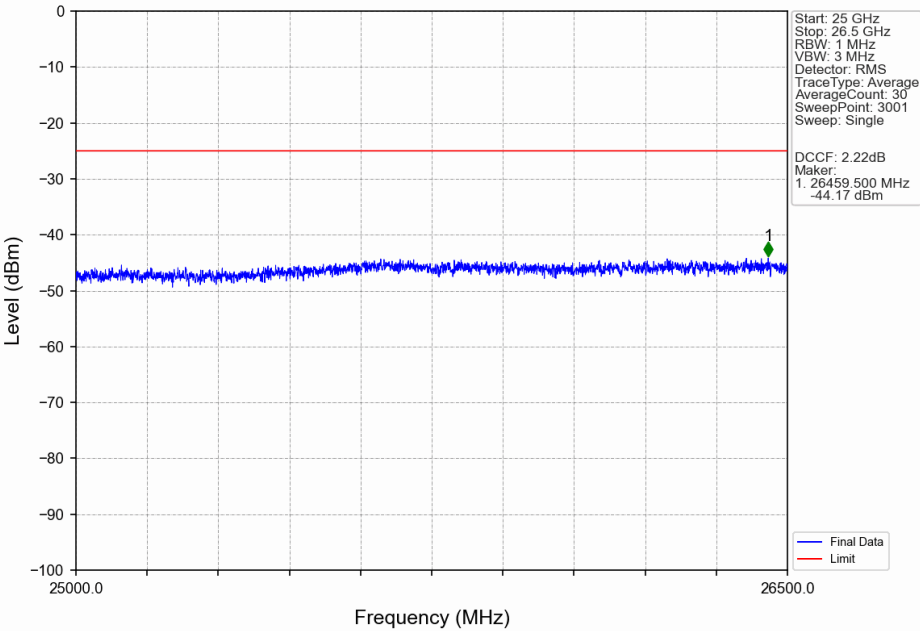
5.2.2 B41_10MHz



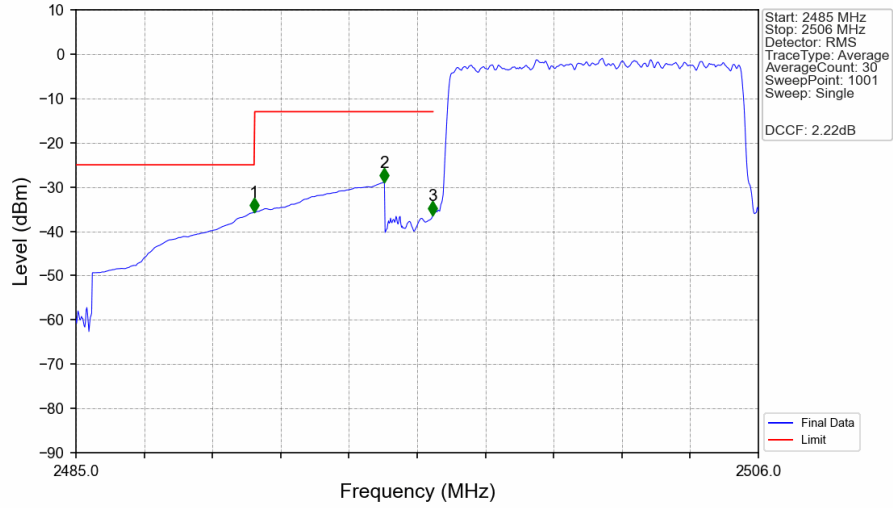
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

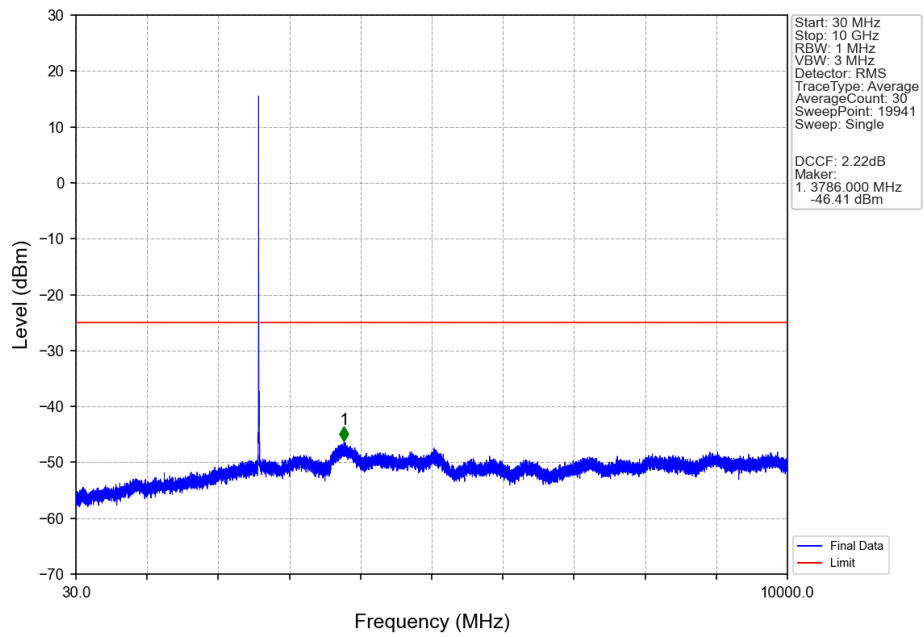


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

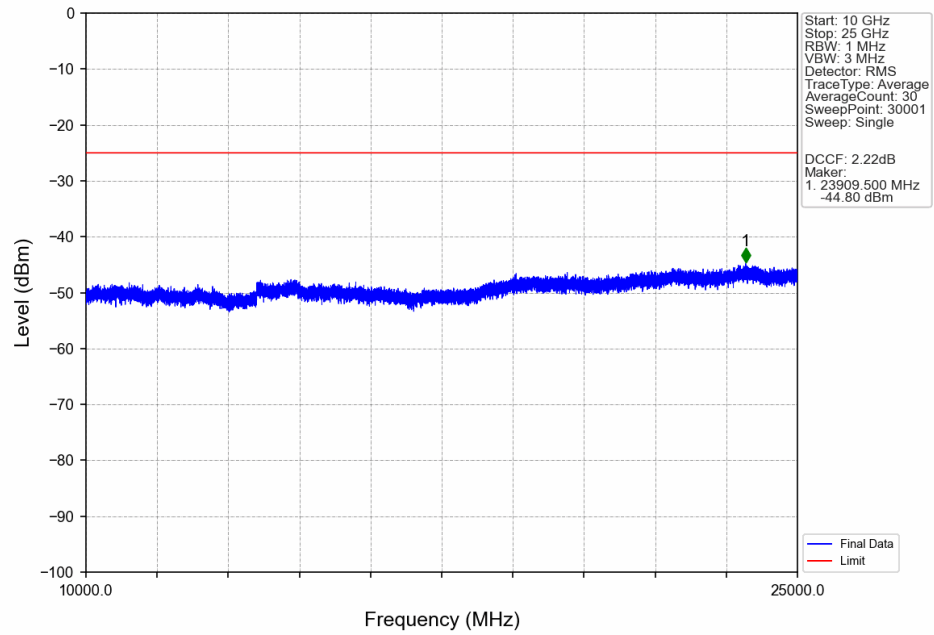


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.481	-35.75	-25	Pass
2490.5	2495	1	CHP	2	2494.492	-28.93	-13	Pass
2495	2496	0.109	CHP	3	2495.983	-36.38	-13	Pass
2496	2506	0.109	CHP	/	/	/	/	/

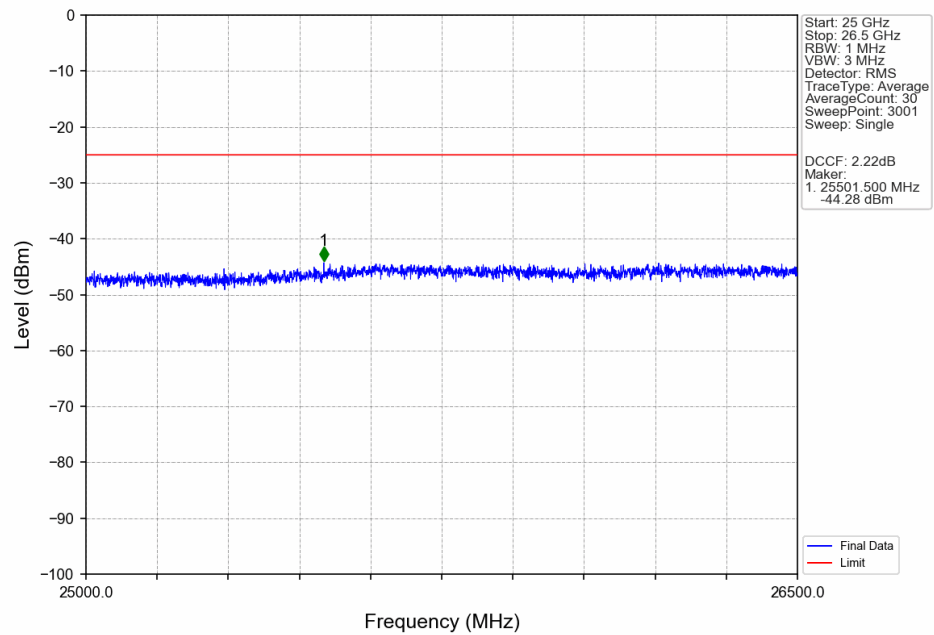
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



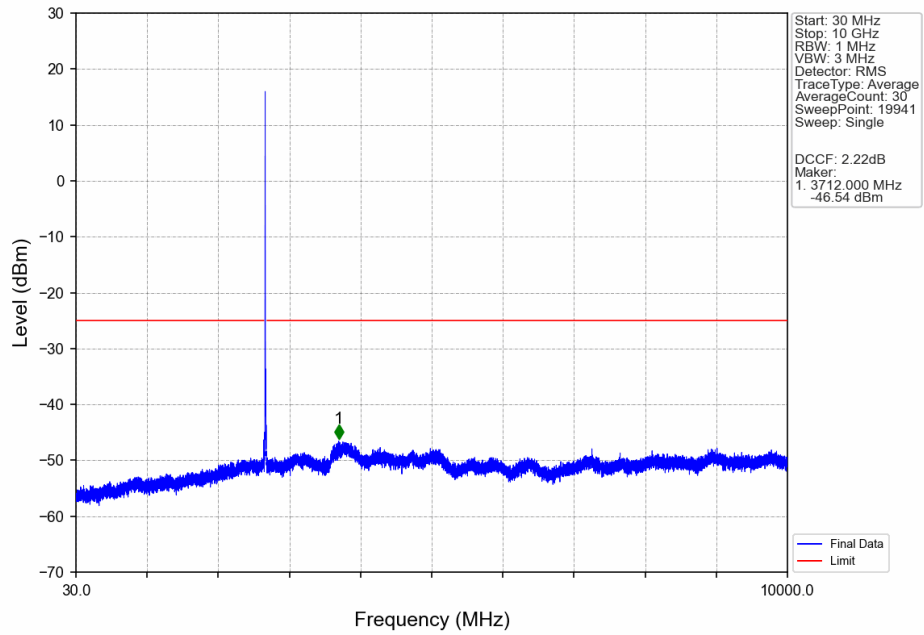
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



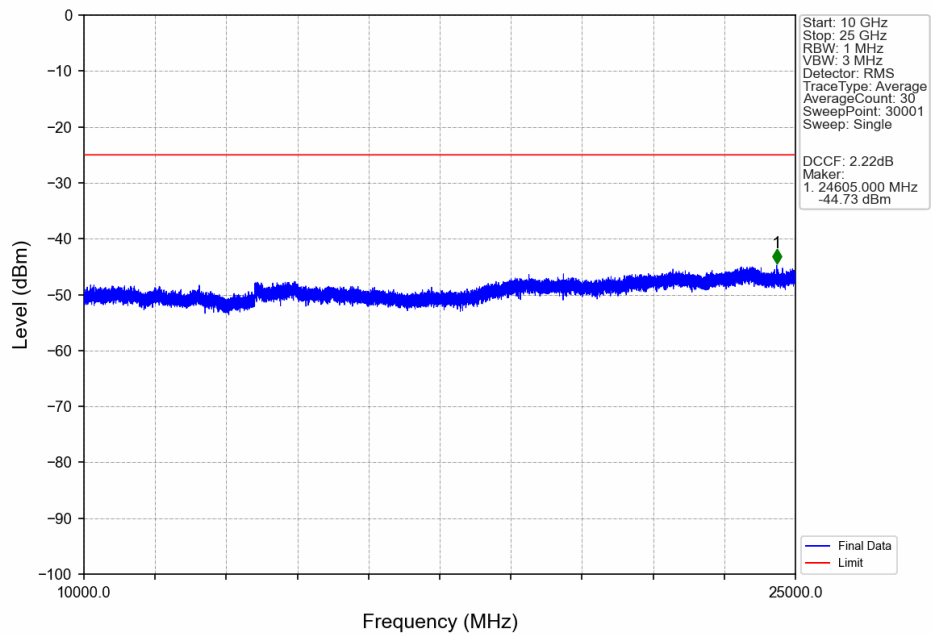
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



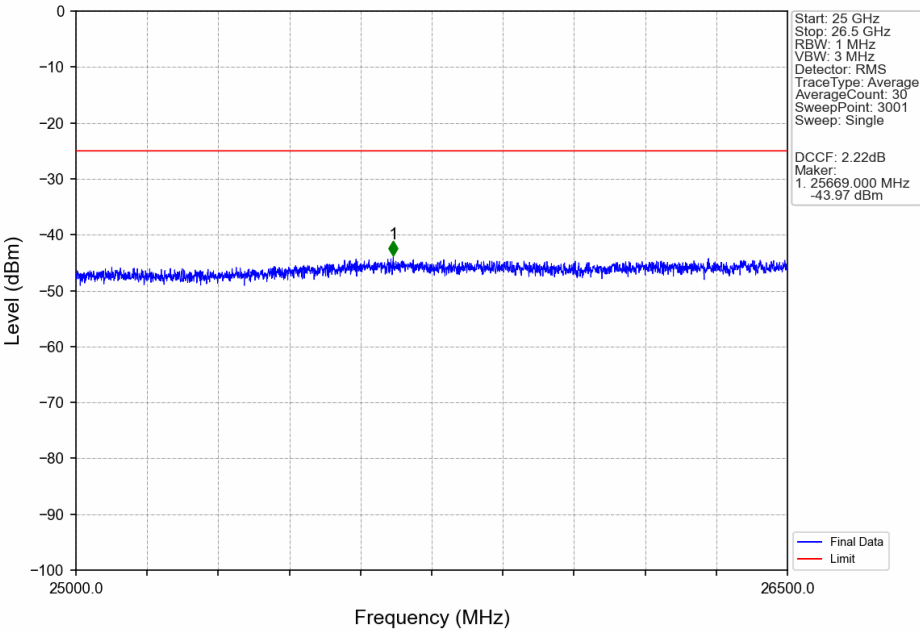
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



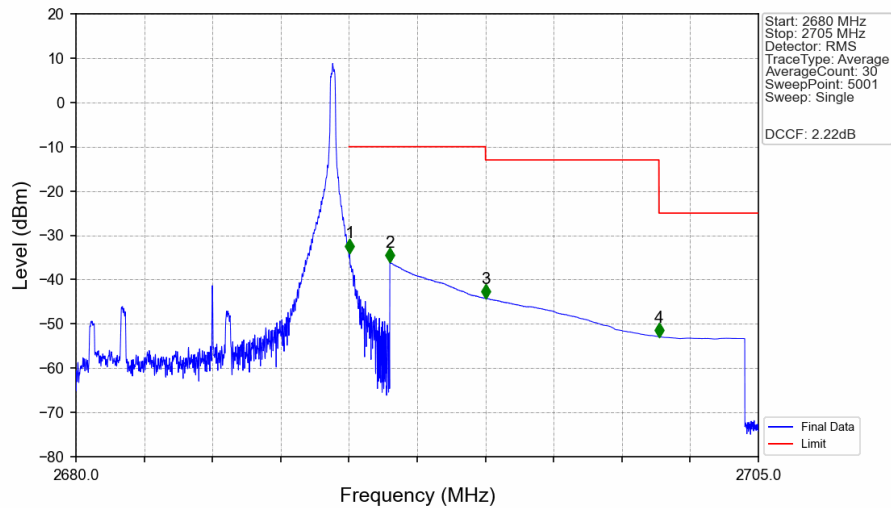
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV

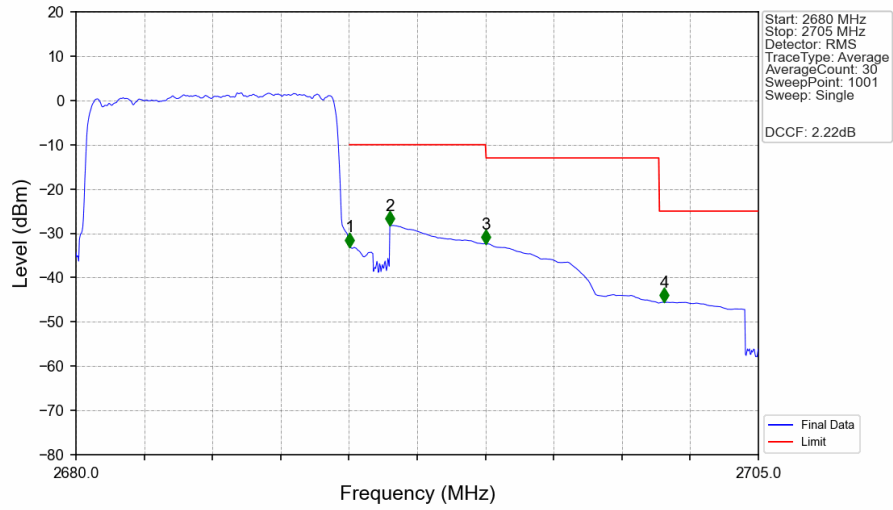


Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



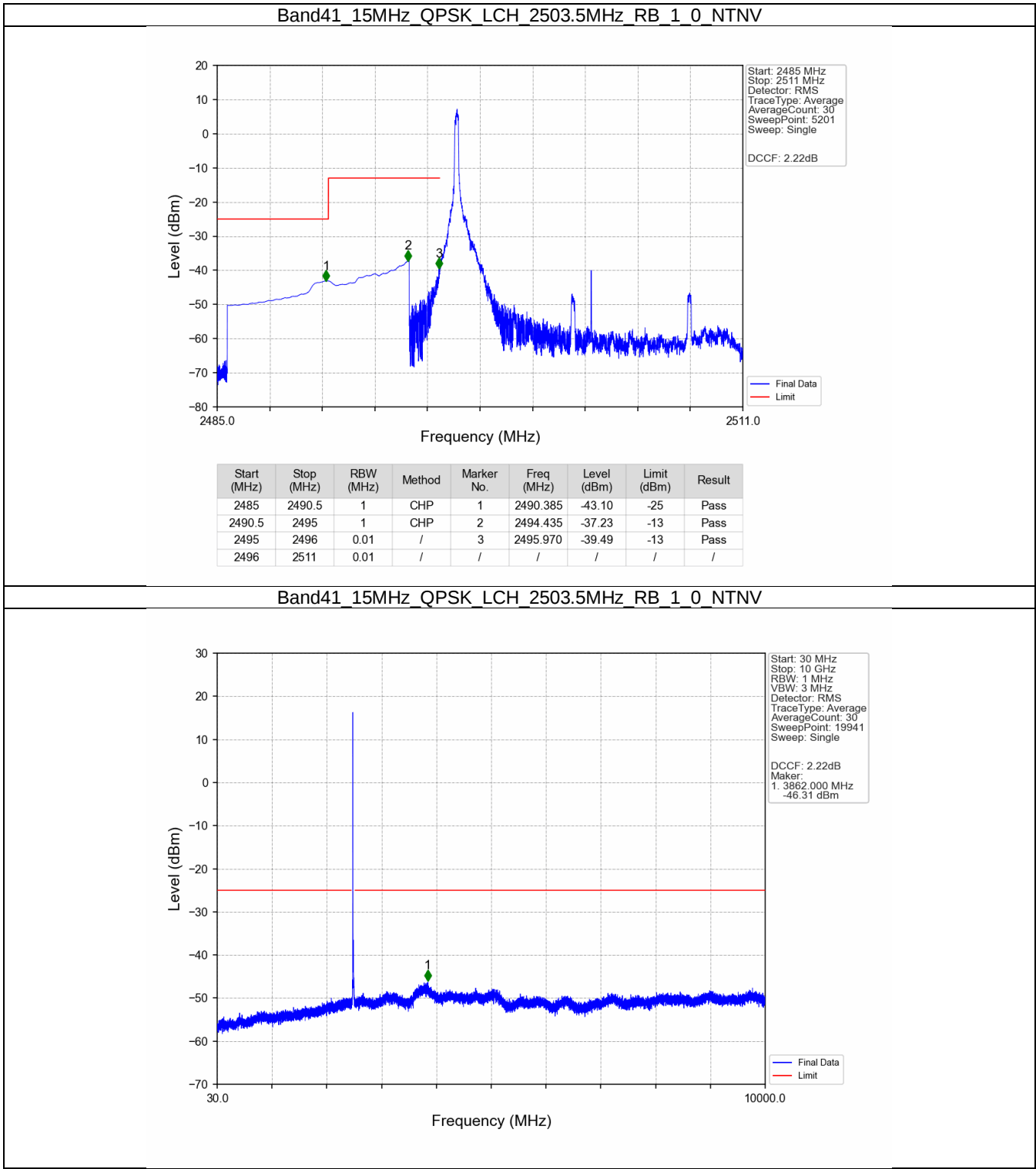
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.020	-33.95	-10	Pass
2691	2695	1	CHP	2	2691.500	-36.01	-10	Pass
2695	2701.357	1	CHP	3	2695.025	-44.21	-13	Pass
2701.357	2705	1	CHP	4	2701.360	-52.92	-25	Pass

Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV

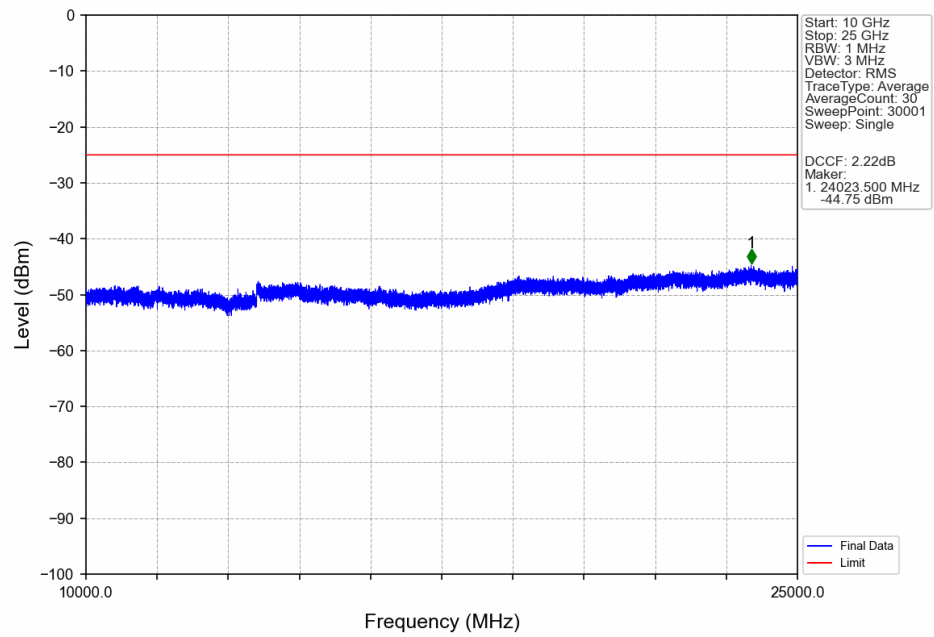


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.227	CHP	/	/	/	/	/
2690	2691	0.227	CHP	1	2690.025	-33.04	-10	Pass
2691	2695	1	CHP	2	2691.500	-28.18	-10	Pass
2695	2701.357	1	CHP	3	2695.025	-32.38	-13	Pass
2701.357	2705	1	CHP	4	2701.550	-45.55	-25	Pass

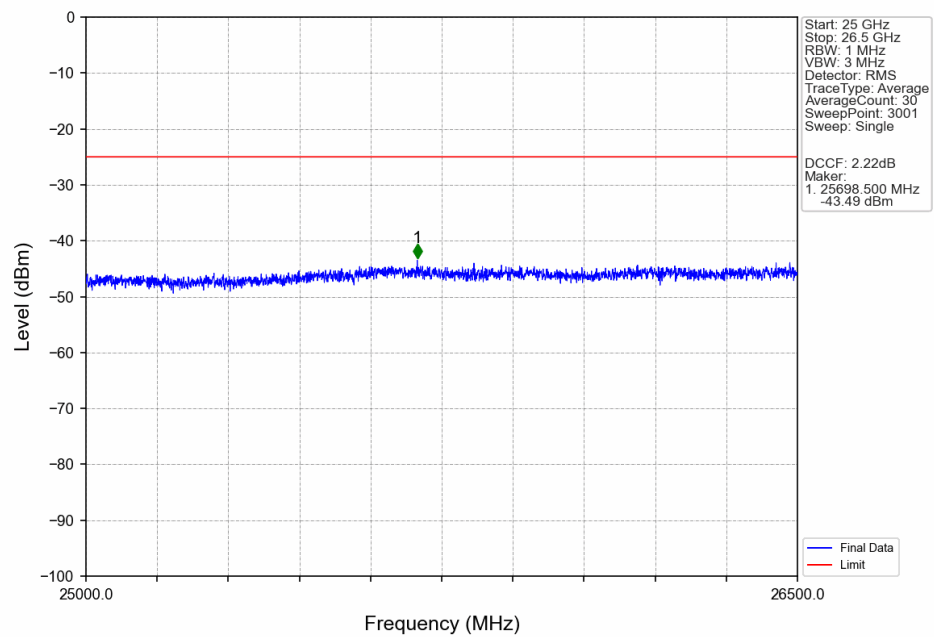
5.2.3 B41_15MHz



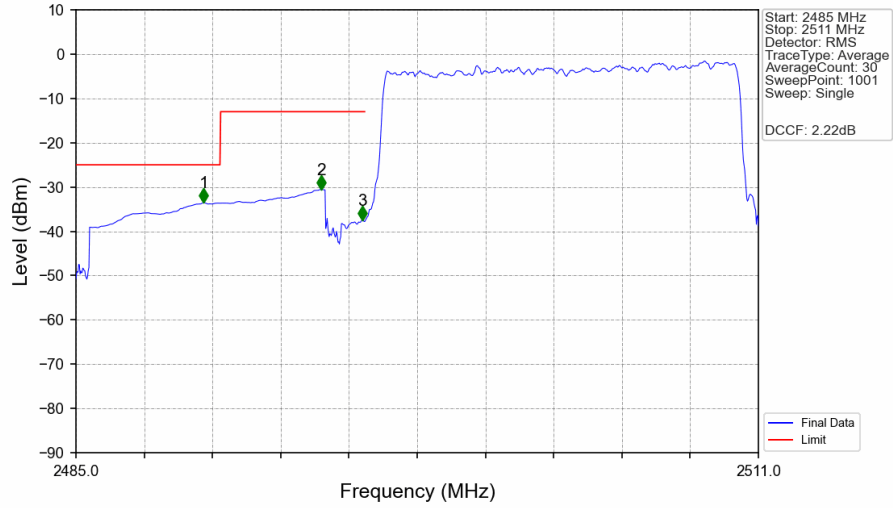
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

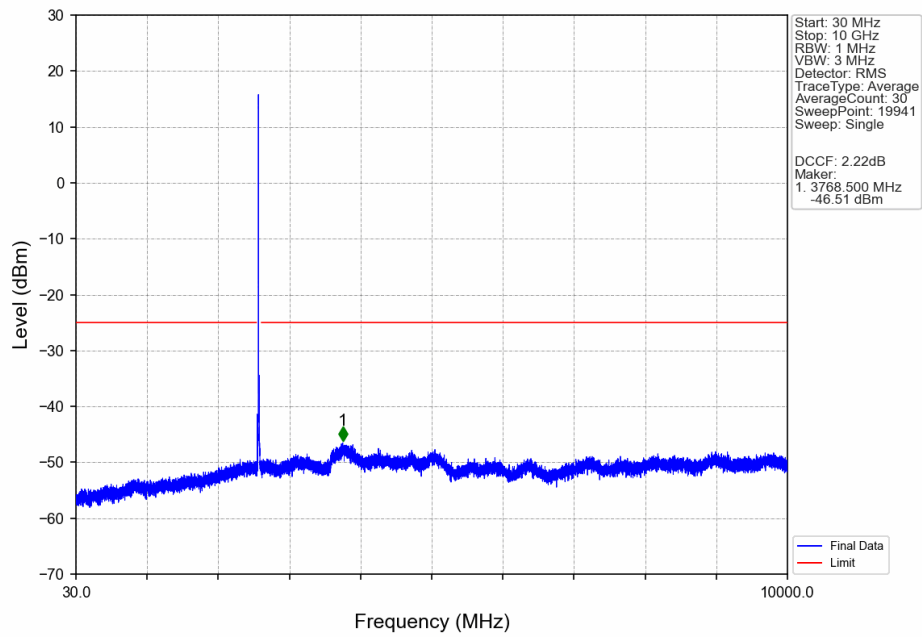


Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTN

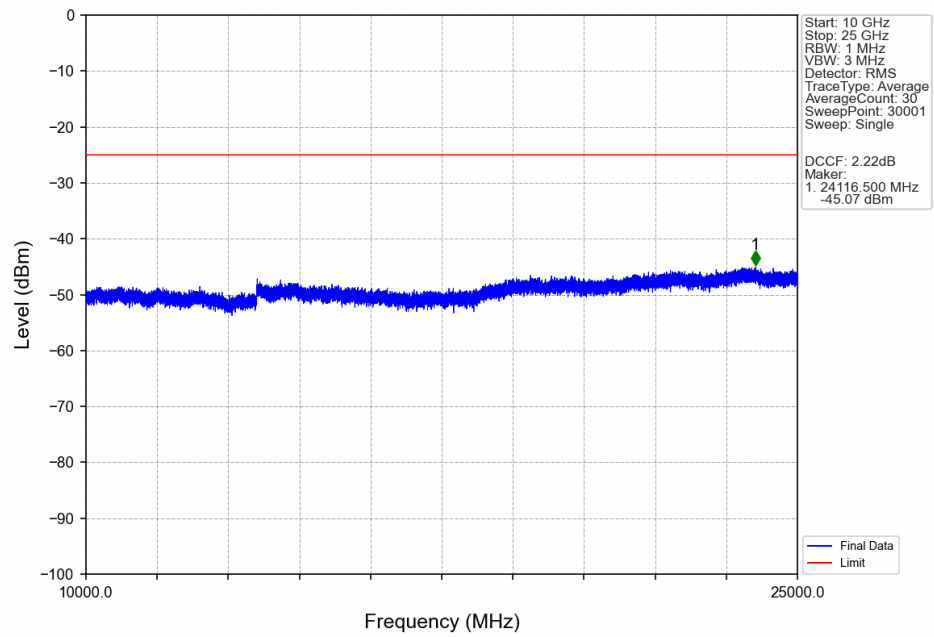


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.862	-33.54	-25	Pass
2490.5	2495	1	CHP	2	2494.334	-30.58	-13	Pass
2495	2496	0.198	CHP	3	2495.920	-37.44	-13	Pass
2496	2511	0.198	CHP	/	/	/	/	/

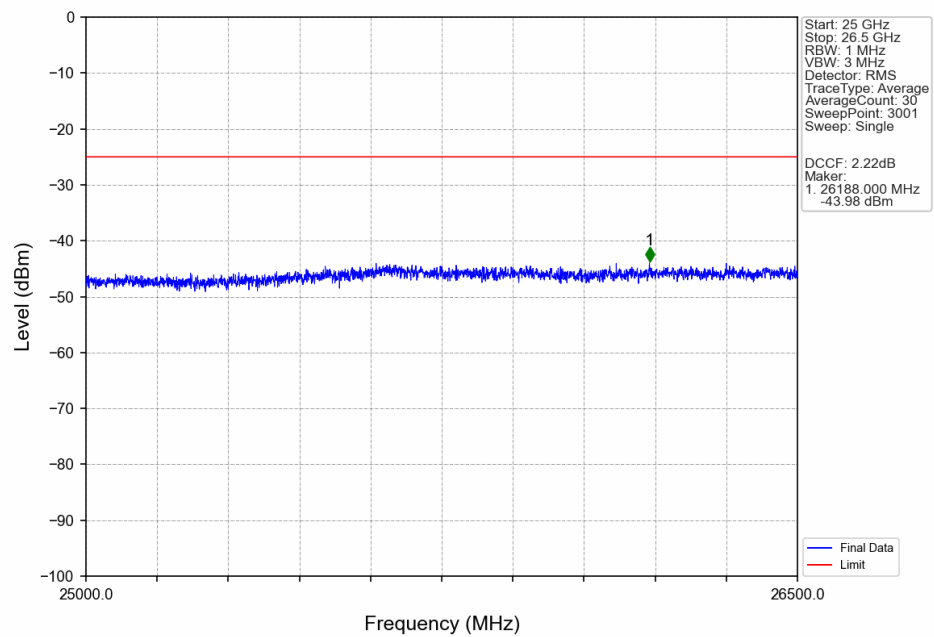
Band41 15MHz QPSK MCH 2593MHz RB 1 0 NTN



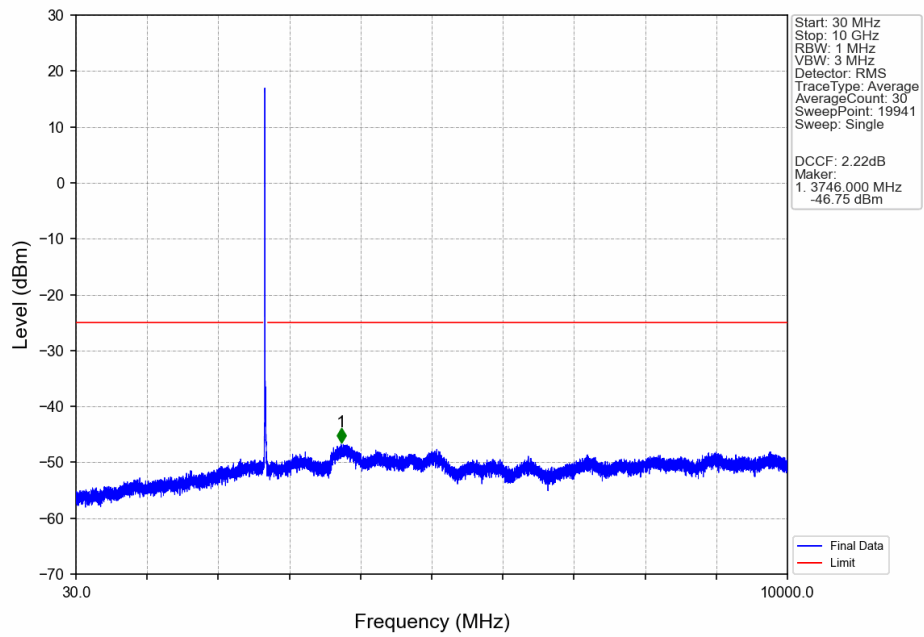
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



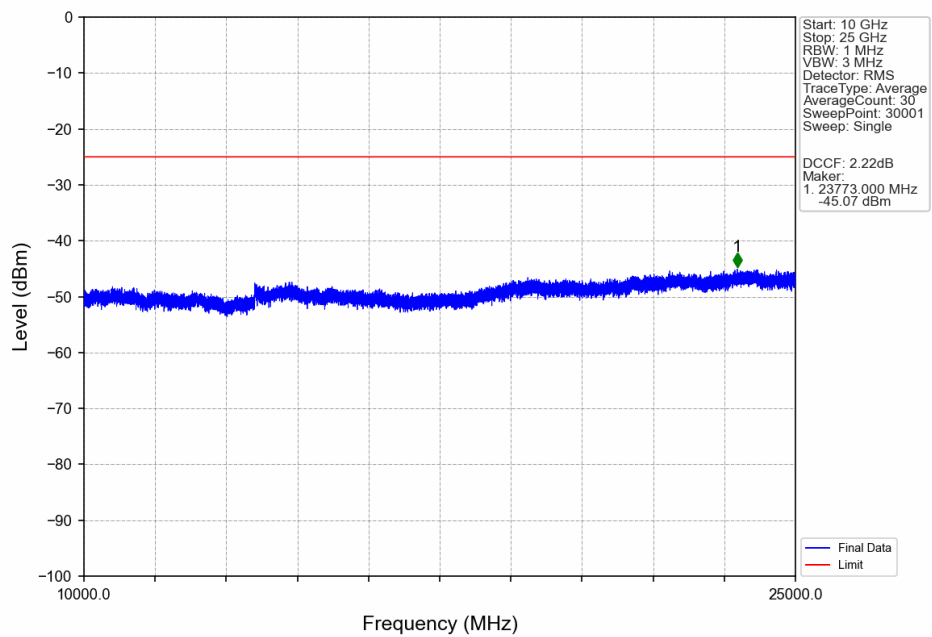
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



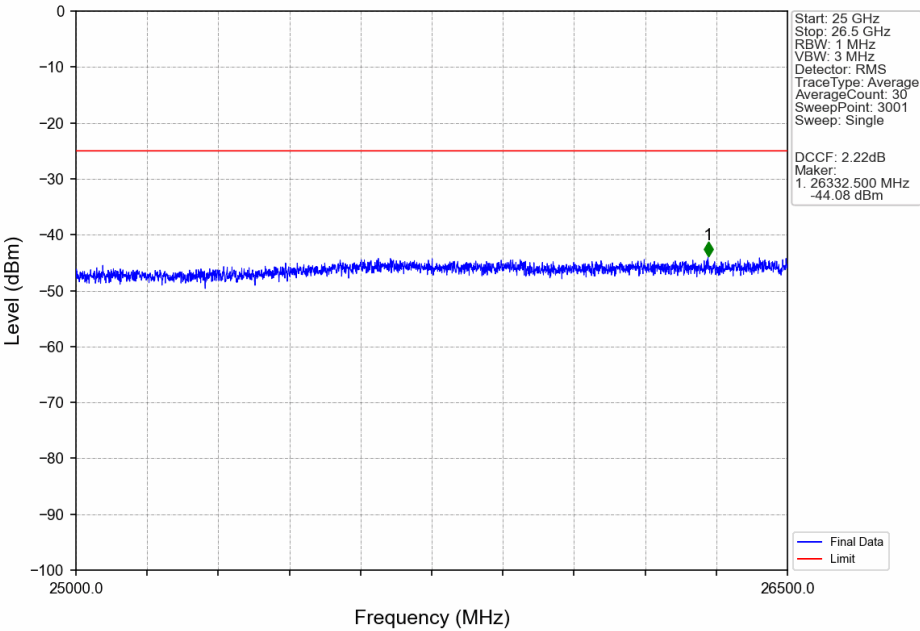
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



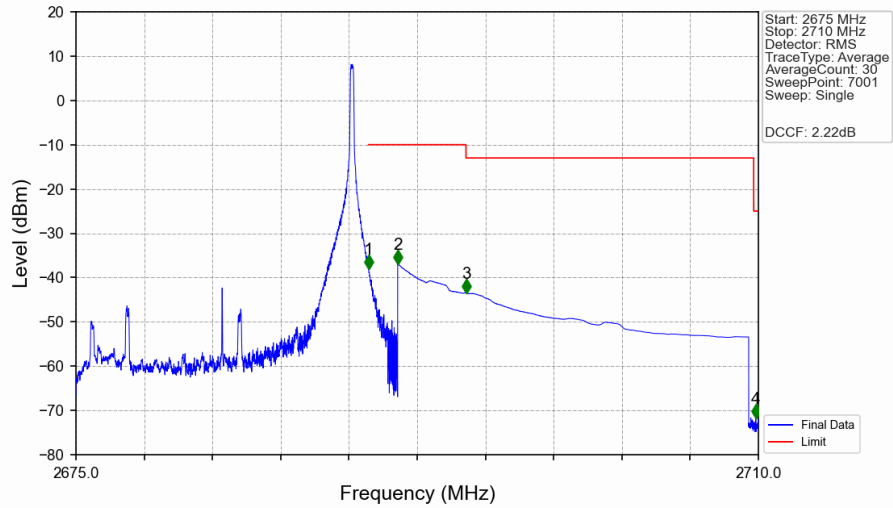
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV

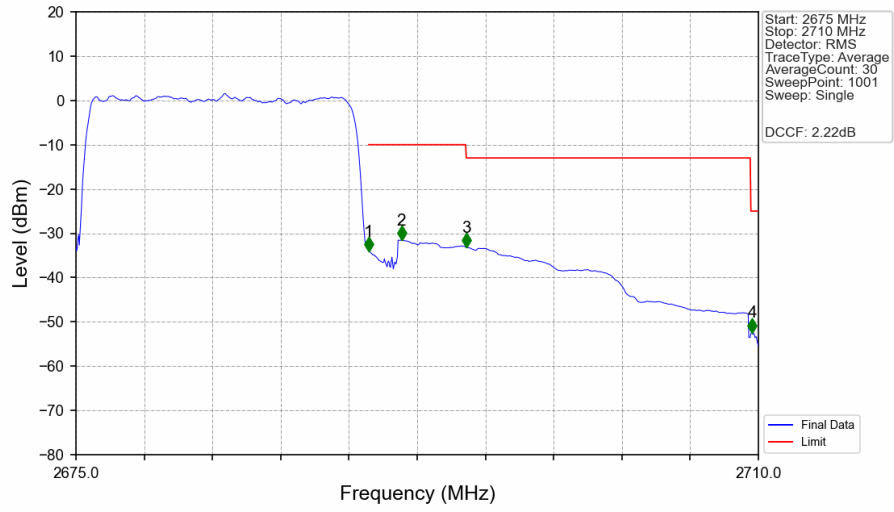


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV



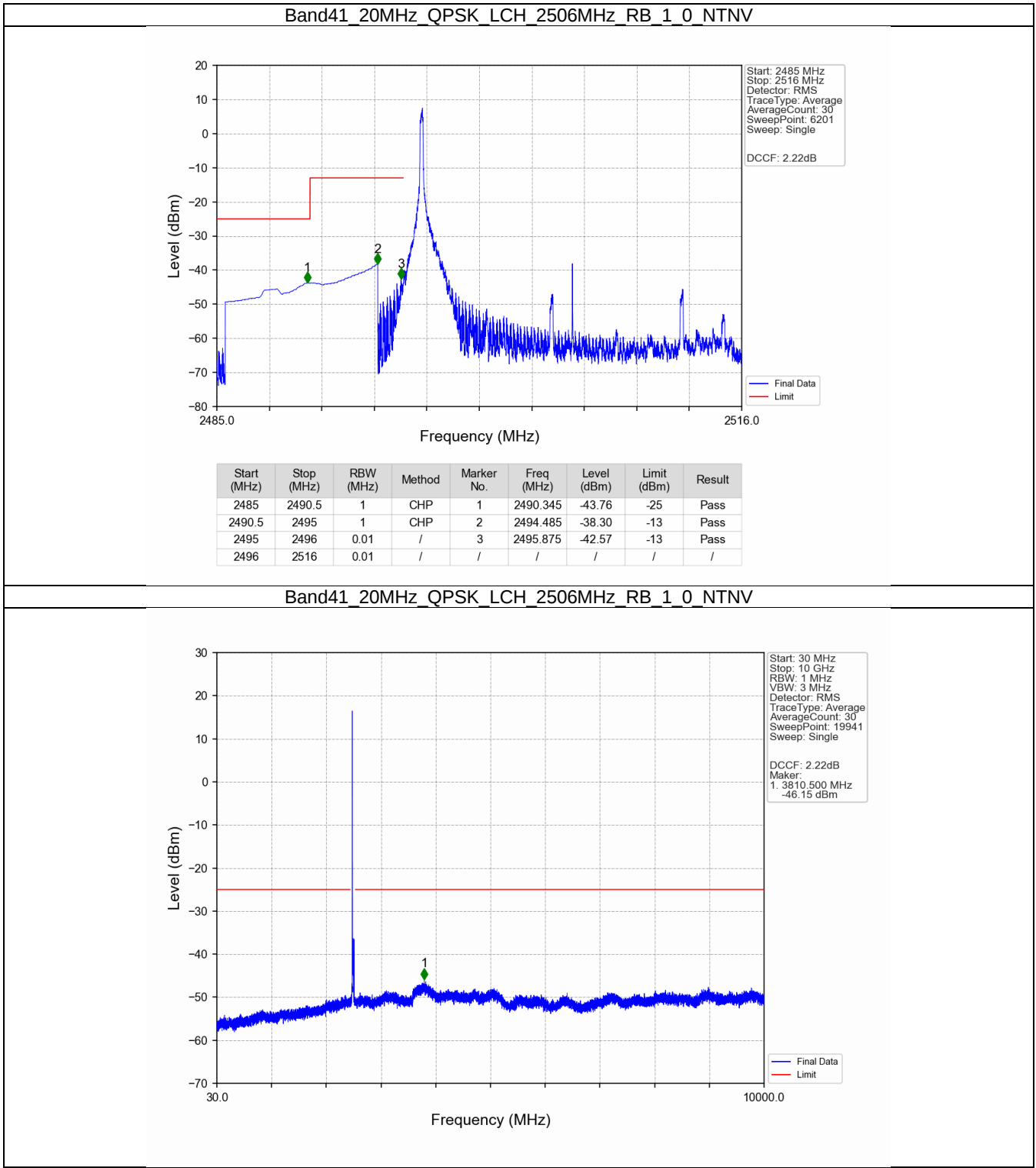
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-38.10	-10	Pass
2691	2695	1	CHP	2	2691.515	-36.95	-10	Pass
2695	2709.758	1	CHP	3	2695.010	-43.47	-13	Pass
2709.758	2710	1	CHP	4	2709.870	-71.79	-25	Pass

Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN

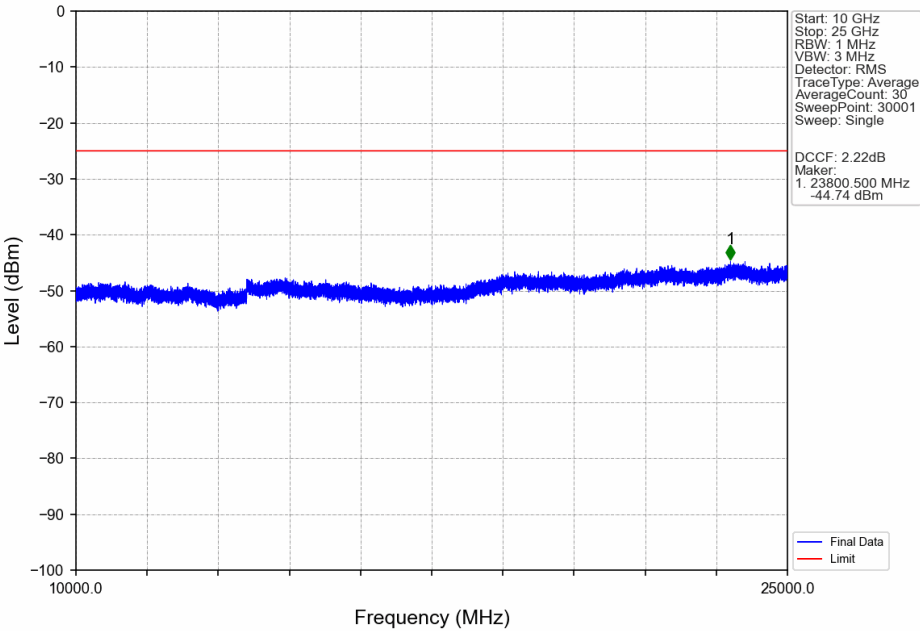


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.392	CHP	/	/	/	/	/
2690	2691	0.392	CHP	1	2690.015	-33.96	-10	Pass
2691	2695	1	CHP	2	2691.695	-31.55	-10	Pass
2695	2709.583	1	CHP	3	2695.020	-33.17	-13	Pass
2709.583	2710	1	CHP	4	2709.685	-52.35	-25	Pass

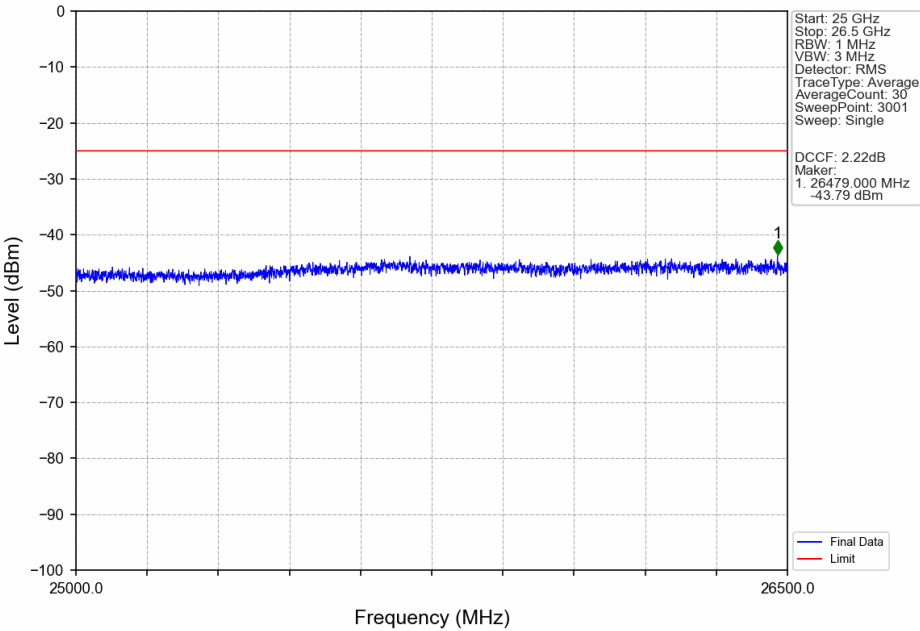
5.2.4 B41_20MHz



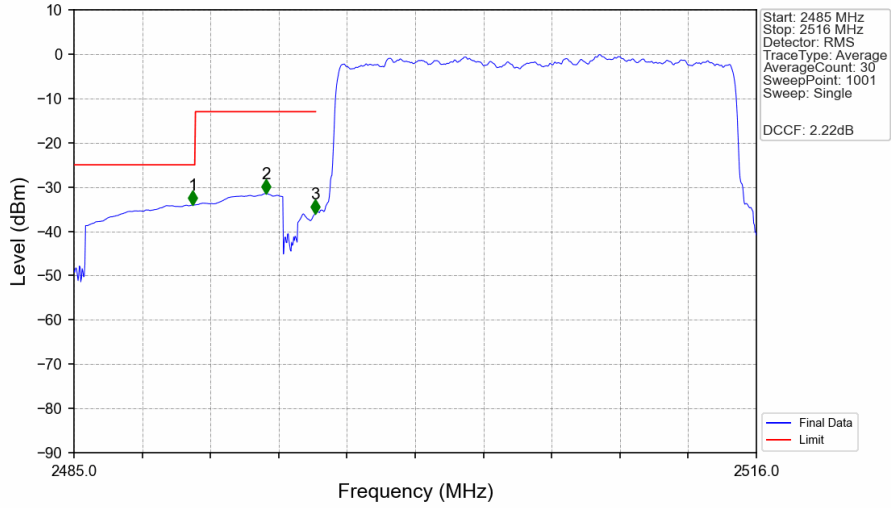
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

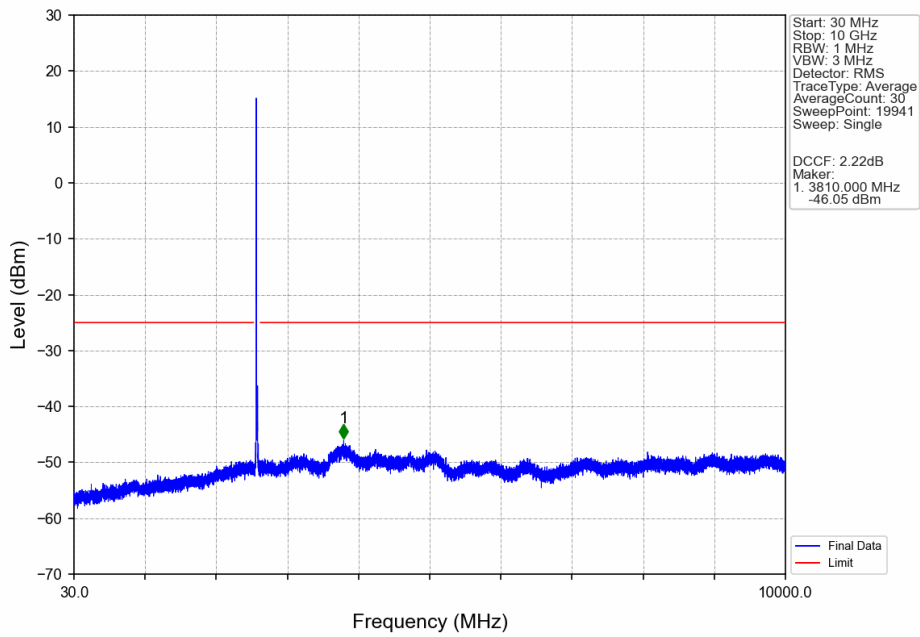


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

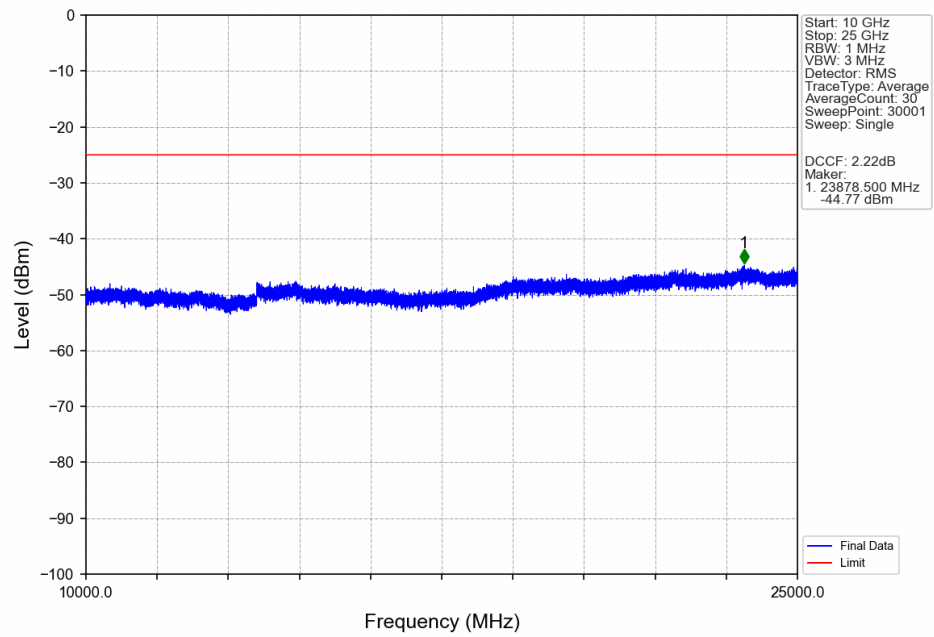


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.394	-34.04	-25	Pass
2490.5	2495	1	CHP	2	2493.711	-31.47	-13	Pass
2495	2496	0.276	CHP	3	2495.974	-35.99	-13	Pass
2496	2516	0.276	CHP	/	/	/	/	/

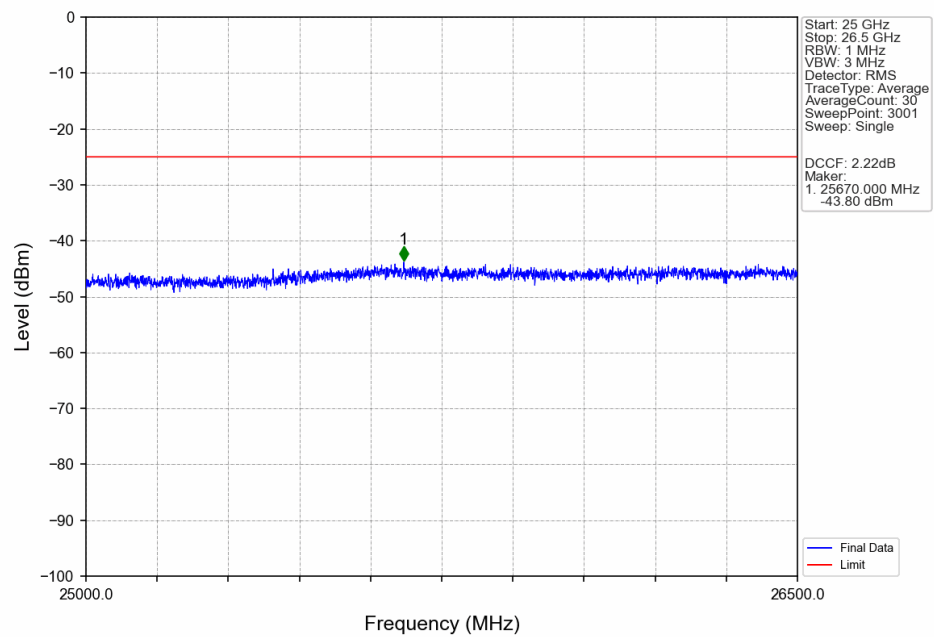
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



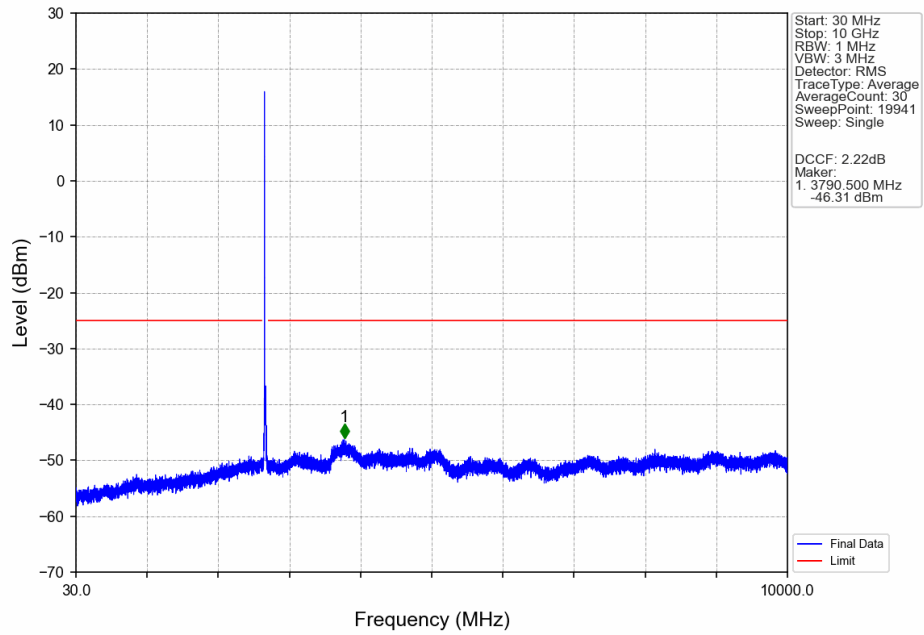
Band41 20MHz QPSK MCH 2593MHz RB 1 0 NTNV



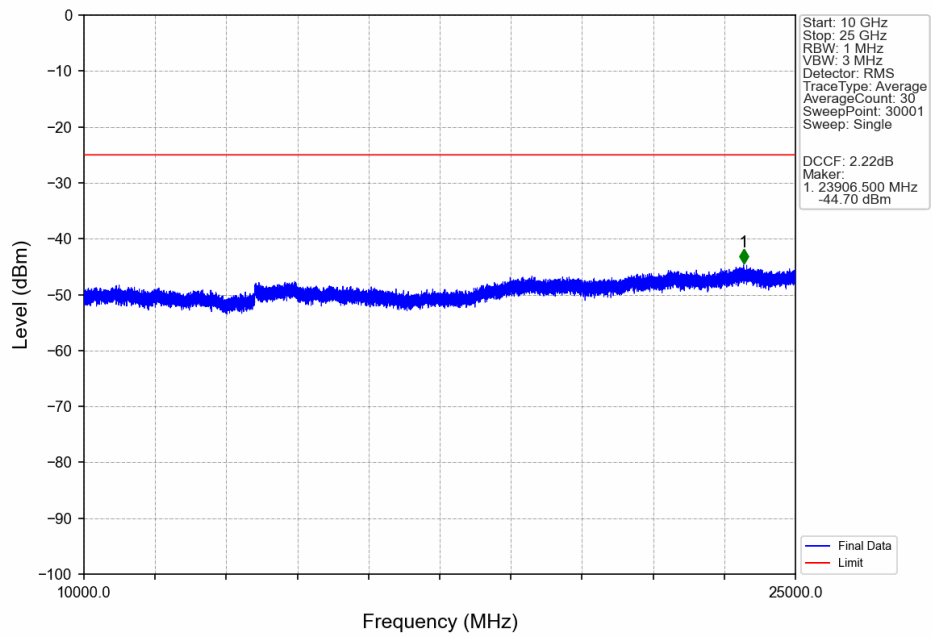
Band41 20MHz QPSK MCH 2593MHz RB 1 0 NTNV



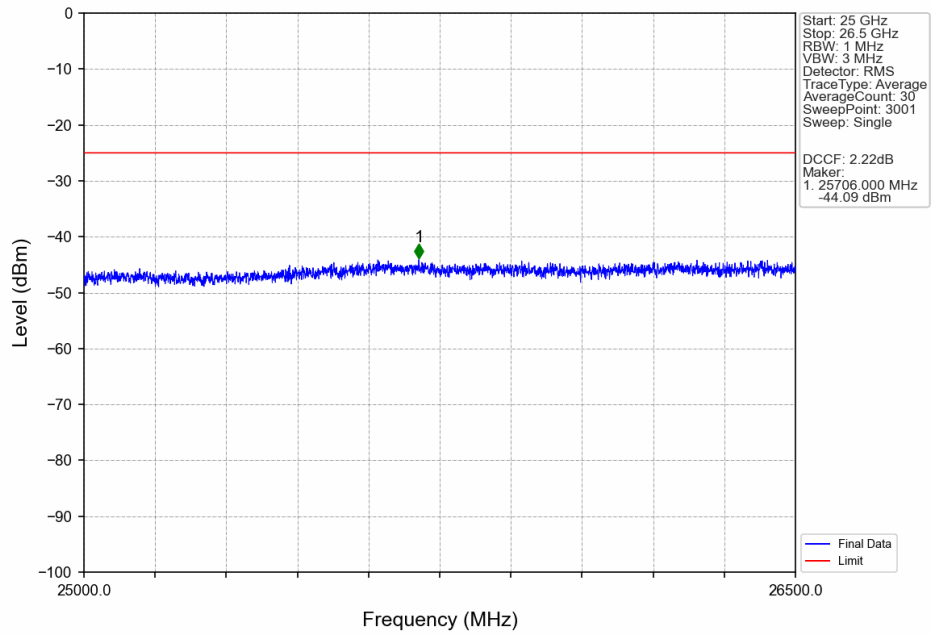
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



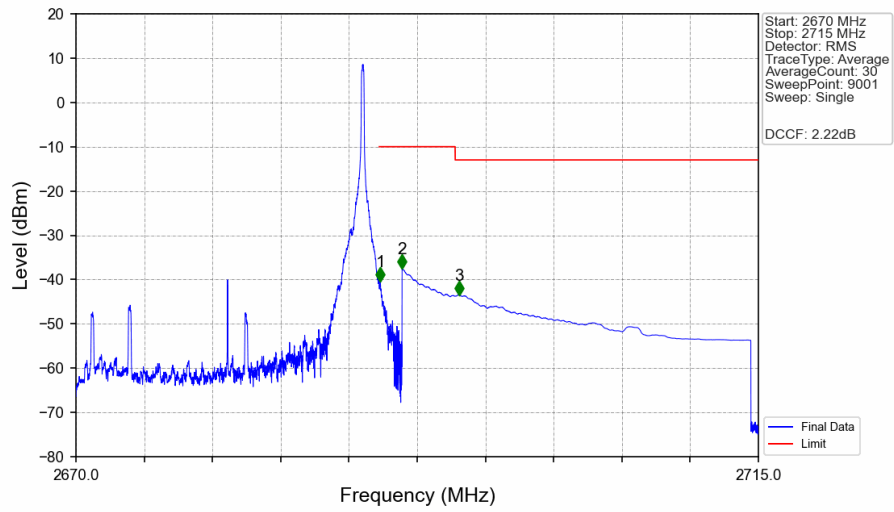
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



Band41 20MHz QPSK HCH 2680MHz RB 1 0 NTNV

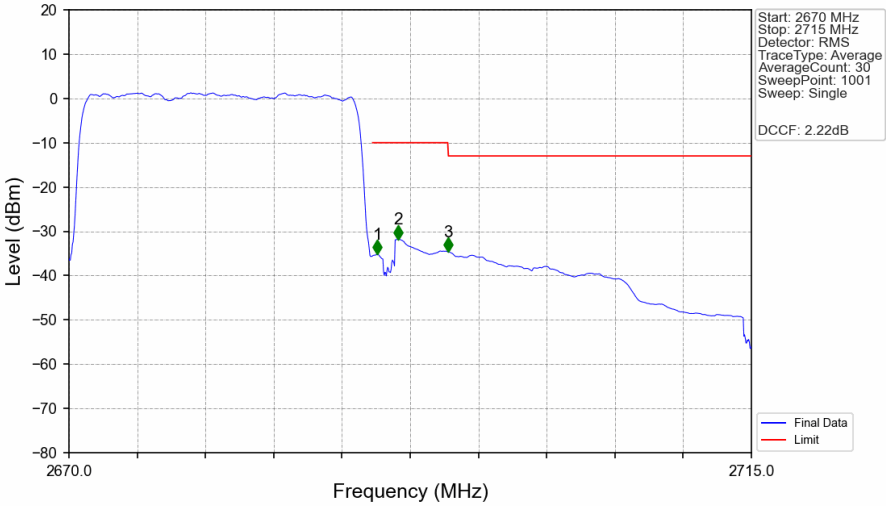


Band41_20MHz_QPSK_HCH_2680MHz_RB_1_99_NTNV



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	2690.060	-40.37	-10	Pass
2691	2695	1	CHP	2	2691.515	-37.59	-10	Pass
2695	2715	1	CHP	3	2695.255	-43.44	-13	Pass

Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.553	CHP	/	/	/	/	/
2690	2691	0.553	CHP	1	2690.340	-35.18	-10	Pass
2691	2695	1	CHP	2	2691.690	-31.77	-10	Pass
2695	2715	1	CHP	3	2695.020	-34.67	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 41-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
4994.0	-62.82	-25	-37.82	-68.38	4.57	10.13	Horizontal	Pass
7491.0	-60.55	-25	-35.55	-67.34	4.94	11.73	Horizontal	Pass
9988.0	-56.83	-25	-31.83	-64.41	5.46	13.04	Horizontal	Pass
4994.0	-62.71	-25	-37.71	-68.27	4.57	10.13	Vertical	Pass
7491.0	-60.55	-25	-35.55	-67.34	4.94	11.73	Vertical	Pass
9988.0	-57.17	-25	-32.17	-64.75	5.46	13.04	Vertical	Pass

LTE Band 41-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	-63.3	-25	-38.3	-68.92	4.62	10.24	Horizontal	Pass
7752.0	-59.39	-25	-34.39	-66.47	4.96	12.04	Horizontal	Pass
10336.0	-56.84	-25	-31.84	-64.42	5.51	13.09	Horizontal	Pass
5168.0	-63.5	-25	-38.5	-69.12	4.62	10.24	Vertical	Pass
7752.0	-59.09	-25	-34.09	-66.17	4.96	12.04	Vertical	Pass
10336.0	-57.02	-25	-32.02	-64.6	5.51	13.09	Vertical	Pass

LTE Band 41-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
5342.0	-63.39	-25	-38.39	-69.06	4.68	10.35	Horizontal	Pass
8013.0	-59.39	-25	-34.39	-66.76	4.98	12.35	Horizontal	Pass
10684.0	-56.85	-25	-31.85	-64.4	5.63	13.18	Horizontal	Pass
5342.0	-62.47	-25	-37.47	-68.14	4.68	10.35	Vertical	Pass
8013.0	-59.42	-25	-34.42	-66.79	4.98	12.35	Vertical	Pass
10684.0	-56.29	-25	-31.29	-63.84	5.63	13.18	Vertical	Pass