

**Appendix A.17****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	25.67	-1.78	23.89	<=33.01	Pass
			13	25.82	-1.78	24.04	<=33.01	Pass
			24	25.73	-1.78	23.95	<=33.01	Pass
		12	0	24.87	-1.78	23.09	<=33.01	Pass
			6	24.88	-1.78	23.10	<=33.01	Pass
			13	24.87	-1.78	23.09	<=33.01	Pass
		25	0	24.83	-1.78	23.05	<=33.01	Pass
	2593	1	0	25.53	-1.78	23.75	<=33.01	Pass
			13	25.61	-1.78	23.83	<=33.01	Pass
			24	25.55	-1.78	23.77	<=33.01	Pass
		12	0	24.59	-1.78	22.81	<=33.01	Pass
			6	24.59	-1.78	22.81	<=33.01	Pass
			13	24.53	-1.78	22.75	<=33.01	Pass
		25	0	24.52	-1.78	22.74	<=33.01	Pass
	2687.5	1	0	25.20	-1.78	23.42	<=33.01	Pass
			13	25.28	-1.78	23.50	<=33.01	Pass
			24	25.19	-1.78	23.41	<=33.01	Pass
		12	0	24.31	-1.78	22.53	<=33.01	Pass
			6	24.36	-1.78	22.58	<=33.01	Pass
			13	24.27	-1.78	22.49	<=33.01	Pass
		25	0	24.31	-1.78	22.53	<=33.01	Pass
16QAM	2498.5	1	0	25.18	-1.78	23.40	<=33.01	Pass
			13	25.04	-1.78	23.26	<=33.01	Pass
			24	25.07	-1.78	23.29	<=33.01	Pass
		12	0	23.82	-1.78	22.04	<=33.01	Pass
			6	23.85	-1.78	22.07	<=33.01	Pass
			13	23.83	-1.78	22.05	<=33.01	Pass
		25	0	23.80	-1.78	22.02	<=33.01	Pass
	2593	1	0	24.80	-1.78	23.02	<=33.01	Pass
			13	24.76	-1.78	22.98	<=33.01	Pass
			24	24.73	-1.78	22.95	<=33.01	Pass
		12	0	23.70	-1.78	21.92	<=33.01	Pass
			6	23.59	-1.78	21.81	<=33.01	Pass
			13	23.57	-1.78	21.79	<=33.01	Pass
		25	0	23.59	-1.78	21.81	<=33.01	Pass
	2687.5	1	0	24.63	-1.78	22.85	<=33.01	Pass
			13	24.69	-1.78	22.91	<=33.01	Pass
			24	24.56	-1.78	22.78	<=33.01	Pass
		12	0	23.46	-1.78	21.68	<=33.01	Pass
			6	23.30	-1.78	21.52	<=33.01	Pass

			13	23.31	-1.78	21.53	<=33.01	Pass		
		25	0	23.32	-1.78	21.54	<=33.01	Pass		
64QAM	2498.5	1	0	24.99	-1.78	23.21	<=33.01	Pass		
			13	24.89	-1.78	23.11	<=33.01	Pass		
			24	24.78	-1.78	23.00	<=33.01	Pass		
		12	0	23.87	-1.78	22.09	<=33.01	Pass		
			6	23.86	-1.78	22.08	<=33.01	Pass		
			13	23.92	-1.78	22.14	<=33.01	Pass		
		25	0	23.86	-1.78	22.08	<=33.01	Pass		
		2593	1	0	24.63	-1.78	22.85	<=33.01	Pass	
				13	24.73	-1.78	22.95	<=33.01	Pass	
	24			24.49	-1.78	22.71	<=33.01	Pass		
	12		0	23.66	-1.78	21.88	<=33.01	Pass		
			6	23.63	-1.78	21.85	<=33.01	Pass		
			13	23.53	-1.78	21.75	<=33.01	Pass		
	25		0	23.59	-1.78	21.81	<=33.01	Pass		
	2687.5		1	0	24.43	-1.78	22.65	<=33.01	Pass	
				13	24.42	-1.78	22.64	<=33.01	Pass	
		24		24.13	-1.78	22.35	<=33.01	Pass		
		12	0	23.28	-1.78	21.50	<=33.01	Pass		
			6	23.48	-1.78	21.70	<=33.01	Pass		
			13	23.22	-1.78	21.44	<=33.01	Pass		
		25	0	23.34	-1.78	21.56	<=33.01	Pass		
		256QAM	2498.5	1	0	20.95	-1.78	19.17	<=33.01	Pass
					13	20.92	-1.78	19.14	<=33.01	Pass
	24				20.79	-1.78	19.01	<=33.01	Pass	
12	0			20.83	-1.78	19.05	<=33.01	Pass		
	6			20.84	-1.78	19.06	<=33.01	Pass		
	13			20.79	-1.78	19.01	<=33.01	Pass		
25	0			20.78	-1.78	19.00	<=33.01	Pass		
2593	1			0	20.52	-1.78	18.74	<=33.01	Pass	
				13	20.72	-1.78	18.94	<=33.01	Pass	
			24	20.56	-1.78	18.78	<=33.01	Pass		
	12		0	20.45	-1.78	18.67	<=33.01	Pass		
			6	20.54	-1.78	18.76	<=33.01	Pass		
			13	20.49	-1.78	18.71	<=33.01	Pass		
	25		0	20.48	-1.78	18.70	<=33.01	Pass		
	2687.5		1	0	20.37	-1.78	18.59	<=33.01	Pass	
				13	20.47	-1.78	18.69	<=33.01	Pass	
24				20.24	-1.78	18.46	<=33.01	Pass		
12			0	20.23	-1.78	18.45	<=33.01	Pass		
			6	20.31	-1.78	18.53	<=33.01	Pass		
			13	20.23	-1.78	18.45	<=33.01	Pass		
25			0	20.19	-1.78	18.41	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain										

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	

QPSK	2501	1	0	25.79	-1.78	24.01	<=33.01	Pass
			25	25.82	-1.78	24.04	<=33.01	Pass
			49	25.62	-1.78	23.84	<=33.01	Pass
		25	0	24.84	-1.78	23.06	<=33.01	Pass
			13	24.84	-1.78	23.06	<=33.01	Pass
			25	24.70	-1.78	22.92	<=33.01	Pass
		50	0	24.75	-1.78	22.97	<=33.01	Pass
	2593	1	0	25.58	-1.78	23.80	<=33.01	Pass
			25	25.57	-1.78	23.79	<=33.01	Pass
			49	25.45	-1.78	23.67	<=33.01	Pass
		25	0	24.51	-1.78	22.73	<=33.01	Pass
			13	24.58	-1.78	22.80	<=33.01	Pass
			25	24.52	-1.78	22.74	<=33.01	Pass
		50	0	24.55	-1.78	22.77	<=33.01	Pass
	2685	1	0	25.26	-1.78	23.48	<=33.01	Pass
			25	25.30	-1.78	23.52	<=33.01	Pass
			49	25.19	-1.78	23.41	<=33.01	Pass
		25	0	24.35	-1.78	22.57	<=33.01	Pass
			13	24.35	-1.78	22.57	<=33.01	Pass
			25	24.28	-1.78	22.50	<=33.01	Pass
		50	0	24.30	-1.78	22.52	<=33.01	Pass
16QAM	2501	1	0	24.98	-1.78	23.20	<=33.01	Pass
			25	25.04	-1.78	23.26	<=33.01	Pass
			49	25.06	-1.78	23.28	<=33.01	Pass
		25	0	23.83	-1.78	22.05	<=33.01	Pass
			13	23.87	-1.78	22.09	<=33.01	Pass
			25	23.78	-1.78	22.00	<=33.01	Pass
		50	0	23.80	-1.78	22.02	<=33.01	Pass
	2593	1	0	24.78	-1.78	23.00	<=33.01	Pass
			25	24.75	-1.78	22.97	<=33.01	Pass
			49	24.70	-1.78	22.92	<=33.01	Pass
		25	0	23.51	-1.78	21.73	<=33.01	Pass
			13	23.60	-1.78	21.82	<=33.01	Pass
			25	23.55	-1.78	21.77	<=33.01	Pass
		50	0	23.61	-1.78	21.83	<=33.01	Pass
	2685	1	0	24.57	-1.78	22.79	<=33.01	Pass
			25	24.67	-1.78	22.89	<=33.01	Pass
			49	24.54	-1.78	22.76	<=33.01	Pass
		25	0	23.30	-1.78	21.52	<=33.01	Pass
			13	23.31	-1.78	21.53	<=33.01	Pass
			25	23.29	-1.78	21.51	<=33.01	Pass
		50	0	23.35	-1.78	21.57	<=33.01	Pass
64QAM	2501	1	0	25.02	-1.78	23.24	<=33.01	Pass
			25	24.90	-1.78	23.12	<=33.01	Pass
			49	24.90	-1.78	23.12	<=33.01	Pass
		25	0	23.84	-1.78	22.06	<=33.01	Pass
			13	23.85	-1.78	22.07	<=33.01	Pass
			25	23.73	-1.78	21.95	<=33.01	Pass
		50	0	23.72	-1.78	21.94	<=33.01	Pass
	2593	1	0	24.43	-1.78	22.65	<=33.01	Pass
			25	24.61	-1.78	22.83	<=33.01	Pass
			49	24.55	-1.78	22.77	<=33.01	Pass
		25	0	23.57	-1.78	21.79	<=33.01	Pass

256QAM	2685	50	13	23.55	-1.78	21.77	<=33.01	Pass
			25	23.52	-1.78	21.74	<=33.01	Pass
			0	23.57	-1.78	21.79	<=33.01	Pass
		1	0	24.38	-1.78	22.60	<=33.01	Pass
			25	24.54	-1.78	22.76	<=33.01	Pass
			49	24.13	-1.78	22.35	<=33.01	Pass
		25	0	23.30	-1.78	21.52	<=33.01	Pass
			13	23.36	-1.78	21.58	<=33.01	Pass
			25	23.31	-1.78	21.53	<=33.01	Pass
		50	0	23.33	-1.78	21.55	<=33.01	Pass
	2501	1	0	20.91	-1.78	19.13	<=33.01	Pass
			25	20.84	-1.78	19.06	<=33.01	Pass
			49	20.70	-1.78	18.92	<=33.01	Pass
		25	0	20.75	-1.78	18.97	<=33.01	Pass
			13	20.76	-1.78	18.98	<=33.01	Pass
			25	20.65	-1.78	18.87	<=33.01	Pass
		50	0	20.67	-1.78	18.89	<=33.01	Pass
	2593	1	0	20.36	-1.78	18.58	<=33.01	Pass
			25	20.75	-1.78	18.97	<=33.01	Pass
			49	20.43	-1.78	18.65	<=33.01	Pass
		25	0	20.51	-1.78	18.73	<=33.01	Pass
			13	20.45	-1.78	18.67	<=33.01	Pass
			25	20.50	-1.78	18.72	<=33.01	Pass
		50	0	20.49	-1.78	18.71	<=33.01	Pass
	2685	1	0	20.34	-1.78	18.56	<=33.01	Pass
			25	20.47	-1.78	18.69	<=33.01	Pass
			49	20.36	-1.78	18.58	<=33.01	Pass
		25	0	20.28	-1.78	18.50	<=33.01	Pass
			13	20.29	-1.78	18.51	<=33.01	Pass
			25	20.19	-1.78	18.41	<=33.01	Pass
		50	0	20.27	-1.78	18.49	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	25.36	-1.78	23.58	<=33.01	Pass
			38	25.42	-1.78	23.64	<=33.01	Pass
			74	25.48	-1.78	23.70	<=33.01	Pass
		36	0	24.46	-1.78	22.68	<=33.01	Pass
			18	24.55	-1.78	22.77	<=33.01	Pass
			39	24.49	-1.78	22.71	<=33.01	Pass
		75	0	24.54	-1.78	22.76	<=33.01	Pass
	2593	1	0	25.42	-1.78	23.64	<=33.01	Pass
			38	25.29	-1.78	23.51	<=33.01	Pass
			74	25.28	-1.78	23.50	<=33.01	Pass
		36	0	24.39	-1.78	22.61	<=33.01	Pass
			18	24.37	-1.78	22.59	<=33.01	Pass
			39	24.22	-1.78	22.44	<=33.01	Pass

		75	0	24.37	-1.78	22.59	<=33.01	Pass
	2682.5	1	0	25.11	-1.78	23.33	<=33.01	Pass
			38	25.08	-1.78	23.30	<=33.01	Pass
			74	25.05	-1.78	23.27	<=33.01	Pass
			0	24.20	-1.78	22.42	<=33.01	Pass
		18	24.08	-1.78	22.30	<=33.01	Pass	
		36	39	24.11	-1.78	22.33	<=33.01	Pass
	75	0	24.11	-1.78	22.33	<=33.01	Pass	
16QAM	2503.5	1	0	24.80	-1.78	23.02	<=33.01	Pass
			38	24.85	-1.78	23.07	<=33.01	Pass
			74	24.80	-1.78	23.02	<=33.01	Pass
		36	0	23.61	-1.78	21.83	<=33.01	Pass
			18	23.54	-1.78	21.76	<=33.01	Pass
			39	23.50	-1.78	21.72	<=33.01	Pass
		75	0	23.54	-1.78	21.76	<=33.01	Pass
	2593	1	0	24.57	-1.78	22.79	<=33.01	Pass
			38	24.60	-1.78	22.82	<=33.01	Pass
			74	24.54	-1.78	22.76	<=33.01	Pass
		36	0	23.44	-1.78	21.66	<=33.01	Pass
			18	23.37	-1.78	21.59	<=33.01	Pass
			39	23.28	-1.78	21.50	<=33.01	Pass
		75	0	23.41	-1.78	21.63	<=33.01	Pass
	2682.5	1	0	24.38	-1.78	22.60	<=33.01	Pass
			38	24.42	-1.78	22.64	<=33.01	Pass
			74	24.28	-1.78	22.50	<=33.01	Pass
		36	0	23.17	-1.78	21.39	<=33.01	Pass
			18	23.15	-1.78	21.37	<=33.01	Pass
			39	23.15	-1.78	21.37	<=33.01	Pass
		75	0	23.11	-1.78	21.33	<=33.01	Pass
64QAM	2503.5	1	0	24.55	-1.78	22.77	<=33.01	Pass
			38	24.67	-1.78	22.89	<=33.01	Pass
			74	24.23	-1.78	22.45	<=33.01	Pass
		36	0	23.63	-1.78	21.85	<=33.01	Pass
			18	23.60	-1.78	21.82	<=33.01	Pass
			39	23.52	-1.78	21.74	<=33.01	Pass
	75	0	23.52	-1.78	21.74	<=33.01	Pass	
	2593	1	0	24.45	-1.78	22.67	<=33.01	Pass
			38	24.30	-1.78	22.52	<=33.01	Pass
			74	24.32	-1.78	22.54	<=33.01	Pass
		36	0	23.47	-1.78	21.69	<=33.01	Pass
			18	23.38	-1.78	21.60	<=33.01	Pass
			39	23.27	-1.78	21.49	<=33.01	Pass
	75	0	23.38	-1.78	21.60	<=33.01	Pass	
	2682.5	1	0	24.34	-1.78	22.56	<=33.01	Pass
			38	24.06	-1.78	22.28	<=33.01	Pass
			74	24.12	-1.78	22.34	<=33.01	Pass
36		0	23.21	-1.78	21.43	<=33.01	Pass	
		18	23.15	-1.78	21.37	<=33.01	Pass	
		39	23.17	-1.78	21.39	<=33.01	Pass	
75		0	23.14	-1.78	21.36	<=33.01	Pass	
256QAM	2503.5	1	0	20.70	-1.78	18.92	<=33.01	Pass
			38	20.56	-1.78	18.78	<=33.01	Pass
			74	20.53	-1.78	18.75	<=33.01	Pass



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		36	0	20.63	-1.78	18.85	<=33.01	Pass
			18	20.48	-1.78	18.70	<=33.01	Pass
			39	20.52	-1.78	18.74	<=33.01	Pass
		75	0	20.49	-1.78	18.71	<=33.01	Pass
	2593	1	0	20.42	-1.78	18.64	<=33.01	Pass
			38	20.45	-1.78	18.67	<=33.01	Pass
			74	20.34	-1.78	18.56	<=33.01	Pass
		36	0	20.35	-1.78	18.57	<=33.01	Pass
			18	20.28	-1.78	18.50	<=33.01	Pass
			39	20.21	-1.78	18.43	<=33.01	Pass
		75	0	20.34	-1.78	18.56	<=33.01	Pass
	2682.5	1	0	20.31	-1.78	18.53	<=33.01	Pass
			38	20.29	-1.78	18.51	<=33.01	Pass
			74	20.08	-1.78	18.30	<=33.01	Pass
		36	0	20.09	-1.78	18.31	<=33.01	Pass
			18	20.18	-1.78	18.40	<=33.01	Pass
			39	20.10	-1.78	18.32	<=33.01	Pass
		75	0	20.12	-1.78	18.34	<=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	25.23	-1.78	23.45	<=33.01	Pass
			50	25.33	-1.78	23.55	<=33.01	Pass
			99	25.34	-1.78	23.56	<=33.01	Pass
		50	0	24.66	-1.78	22.88	<=33.01	Pass
			25	24.61	-1.78	22.83	<=33.01	Pass
			50	24.53	-1.78	22.75	<=33.01	Pass
		100	0	24.60	-1.78	22.82	<=33.01	Pass
	2593	1	0	25.48	-1.78	23.70	<=33.01	Pass
			50	25.20	-1.78	23.42	<=33.01	Pass
			99	25.17	-1.78	23.39	<=33.01	Pass
		50	0	24.41	-1.78	22.63	<=33.01	Pass
			25	24.34	-1.78	22.56	<=33.01	Pass
			50	24.28	-1.78	22.50	<=33.01	Pass
		100	0	24.32	-1.78	22.54	<=33.01	Pass
	2680	1	0	25.07	-1.78	23.29	<=33.01	Pass
			50	25.04	-1.78	23.26	<=33.01	Pass
			99	25.12	-1.78	23.34	<=33.01	Pass
		50	0	24.13	-1.78	22.35	<=33.01	Pass
			25	24.13	-1.78	22.35	<=33.01	Pass
			50	24.09	-1.78	22.31	<=33.01	Pass
		100	0	24.14	-1.78	22.36	<=33.01	Pass
16QAM	2506	1	0	24.63	-1.78	22.85	<=33.01	Pass
			50	24.84	-1.78	23.06	<=33.01	Pass
			99	24.58	-1.78	22.80	<=33.01	Pass
		50	0	23.63	-1.78	21.85	<=33.01	Pass
			25	23.62	-1.78	21.84	<=33.01	Pass

			50	23.56	-1.78	21.78	<=33.01	Pass
		100	0	23.61	-1.78	21.83	<=33.01	Pass
	2593	1	0	24.57	-1.78	22.79	<=33.01	Pass
			50	24.65	-1.78	22.87	<=33.01	Pass
			99	24.53	-1.78	22.75	<=33.01	Pass
			0	23.40	-1.78	21.62	<=33.01	Pass
		50	25	23.37	-1.78	21.59	<=33.01	Pass
			50	23.22	-1.78	21.44	<=33.01	Pass
			100	0	23.42	-1.78	21.64	<=33.01
	2680	1	0	24.29	-1.78	22.51	<=33.01	Pass
			50	24.18	-1.78	22.40	<=33.01	Pass
			99	24.27	-1.78	22.49	<=33.01	Pass
		50	0	23.19	-1.78	21.41	<=33.01	Pass
			25	23.20	-1.78	21.42	<=33.01	Pass
			50	23.15	-1.78	21.37	<=33.01	Pass
100		0	23.15	-1.78	21.37	<=33.01	Pass	
64QAM	2506	1	0	24.45	-1.78	22.67	<=33.01	Pass
			50	24.60	-1.78	22.82	<=33.01	Pass
			99	24.70	-1.78	22.92	<=33.01	Pass
		50	0	23.61	-1.78	21.83	<=33.01	Pass
			25	23.57	-1.78	21.79	<=33.01	Pass
			50	23.51	-1.78	21.73	<=33.01	Pass
	100	0	23.58	-1.78	21.80	<=33.01	Pass	
	2593	1	0	24.39	-1.78	22.61	<=33.01	Pass
			50	24.37	-1.78	22.59	<=33.01	Pass
			99	24.13	-1.78	22.35	<=33.01	Pass
		50	0	23.10	-1.78	21.32	<=33.01	Pass
			25	23.38	-1.78	21.60	<=33.01	Pass
			50	23.23	-1.78	21.45	<=33.01	Pass
	100	0	23.37	-1.78	21.59	<=33.01	Pass	
	2680	1	0	24.35	-1.78	22.57	<=33.01	Pass
			50	24.07	-1.78	22.29	<=33.01	Pass
			99	24.17	-1.78	22.39	<=33.01	Pass
		50	0	23.17	-1.78	21.39	<=33.01	Pass
25			23.14	-1.78	21.36	<=33.01	Pass	
50			23.11	-1.78	21.33	<=33.01	Pass	
100	0	23.14	-1.78	21.36	<=33.01	Pass		
256QAM	2506	1	0	20.60	-1.78	18.82	<=33.01	Pass
			50	20.55	-1.78	18.77	<=33.01	Pass
			99	20.46	-1.78	18.68	<=33.01	Pass
		50	0	20.57	-1.78	18.79	<=33.01	Pass
			25	20.51	-1.78	18.73	<=33.01	Pass
			50	20.50	-1.78	18.72	<=33.01	Pass
	100	0	20.53	-1.78	18.75	<=33.01	Pass	
	2593	1	0	20.37	-1.78	18.59	<=33.01	Pass
			50	20.51	-1.78	18.73	<=33.01	Pass
			99	20.35	-1.78	18.57	<=33.01	Pass
		50	0	20.39	-1.78	18.61	<=33.01	Pass
			25	20.32	-1.78	18.54	<=33.01	Pass
			50	20.17	-1.78	18.39	<=33.01	Pass
	100	0	20.32	-1.78	18.54	<=33.01	Pass	
	2680	1	0	20.18	-1.78	18.40	<=33.01	Pass
50			20.17	-1.78	18.39	<=33.01	Pass	



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			99	20.10	-1.78	18.32	<=33.01	Pass
		50	0	20.12	-1.78	18.34	<=33.01	Pass
			25	20.07	-1.78	18.29	<=33.01	Pass
			50	20.09	-1.78	18.31	<=33.01	Pass
		100	0	20.10	-1.78	18.32	<=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	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2593	50	0	20	LV	-1.011	-0.0004	-2.5 to 2.5	Pass
					NV	-0.685	-0.0003	-2.5 to 2.5	Pass
					HV	-0.472	-0.0002	-2.5 to 2.5	Pass
				-30	NV	0.591	0.0002	-2.5 to 2.5	Pass
				-20	NV	-0.729	-0.0003	-2.5 to 2.5	Pass
				-10	NV	-1.133	-0.0004	-2.5 to 2.5	Pass
				0	NV	-0.760	-0.0003	-2.5 to 2.5	Pass
				10	NV	-0.380	-0.0001	-2.5 to 2.5	Pass
				30	NV	-1.440	-0.0006	-2.5 to 2.5	Pass
				40	NV	-0.045	0.0000	-2.5 to 2.5	Pass
				50	NV	0.032	0.0000	-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	4.532	/	Pass
	16QAM	2593	25	0	4.534	/	Pass
	64QAM	2593	25	0	4.524	/	Pass
	256QAM	2593	25	0	4.536	/	Pass
10	QPSK	2593	50	0	8.957	/	Pass
	16QAM	2593	50	0	8.974	/	Pass
	64QAM	2593	50	0	8.965	/	Pass
	256QAM	2593	50	0	8.970	/	Pass
15	QPSK	2593	75	0	13.470	/	Pass
	16QAM	2593	75	0	13.489	/	Pass



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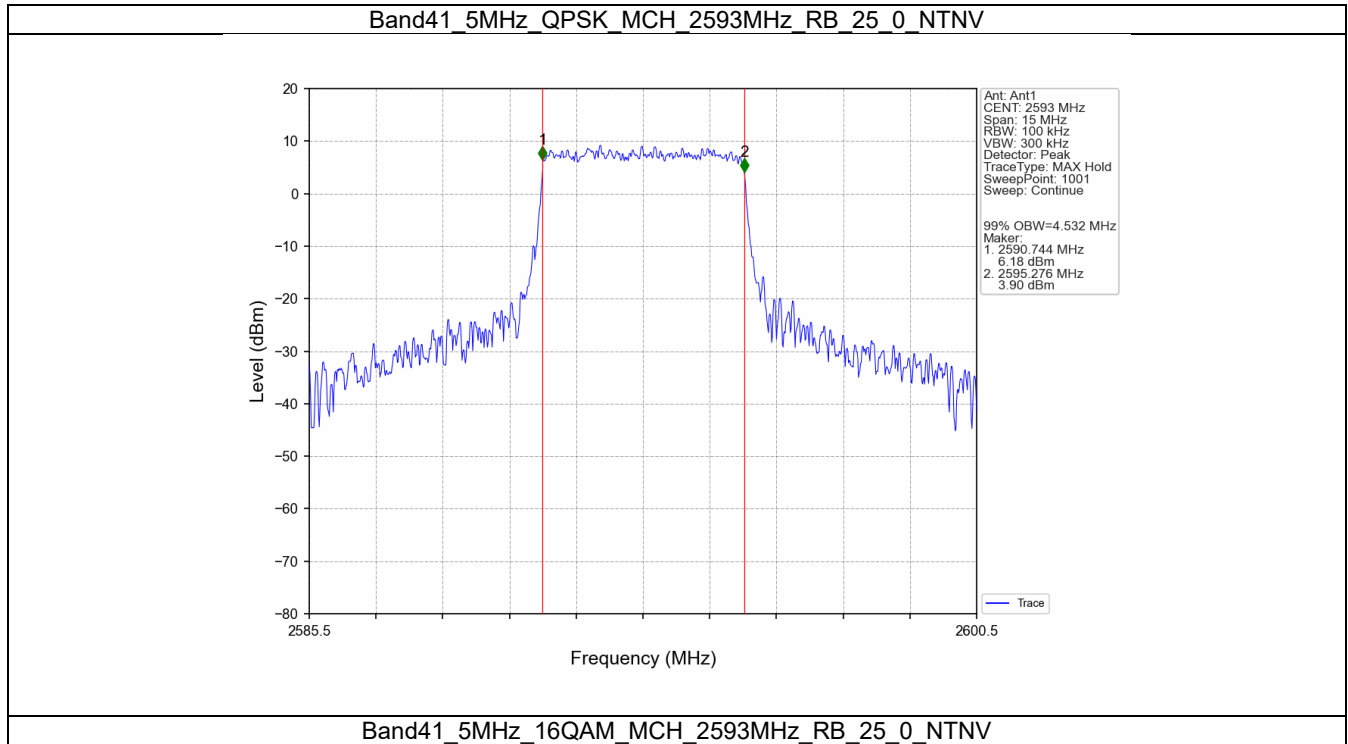
20	64QAM	2593	75	0	13.467	/	Pass
	256QAM	2593	75	0	13.483	/	Pass
	QPSK	2593	100	0	17.934	/	Pass
	16QAM	2593	100	0	17.932	/	Pass
	64QAM	2593	100	0	17.916	/	Pass
	256QAM	2593	100	0	17.940	/	Pass

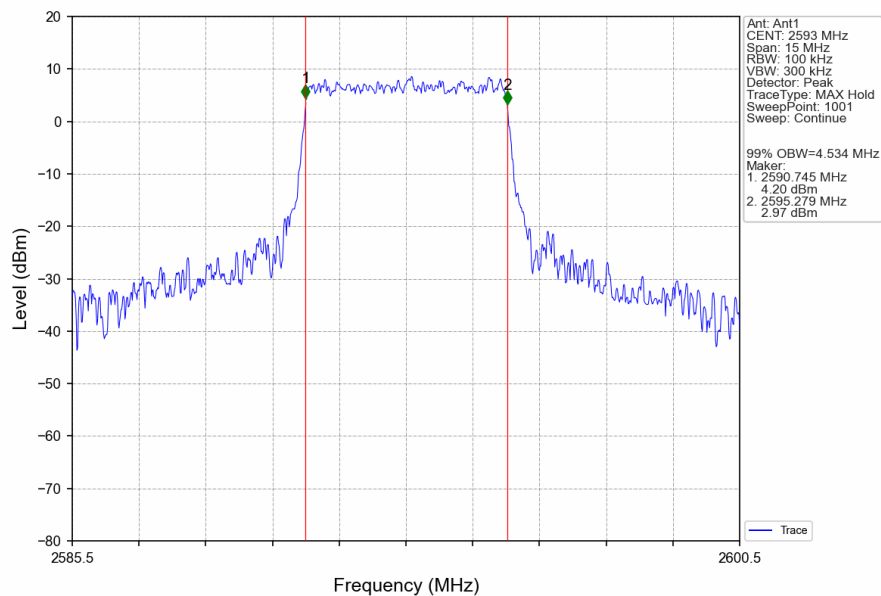
3.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	5.280	/	Pass
	16QAM	2593	25	0	5.227	/	Pass
	64QAM	2593	25	0	5.109	/	Pass
	256QAM	2593	25	0	5.444	/	Pass
10	QPSK	2593	50	0	9.854	/	Pass
	16QAM	2593	50	0	9.949	/	Pass
	64QAM	2593	50	0	9.869	/	Pass
	256QAM	2593	50	0	10.163	/	Pass
15	QPSK	2593	75	0	14.974	/	Pass
	16QAM	2593	75	0	14.735	/	Pass
	64QAM	2593	75	0	14.595	/	Pass
	256QAM	2593	75	0	14.814	/	Pass
20	QPSK	2593	100	0	19.698	/	Pass
	16QAM	2593	100	0	19.363	/	Pass
	64QAM	2593	100	0	19.388	/	Pass
	256QAM	2593	100	0	19.441	/	Pass

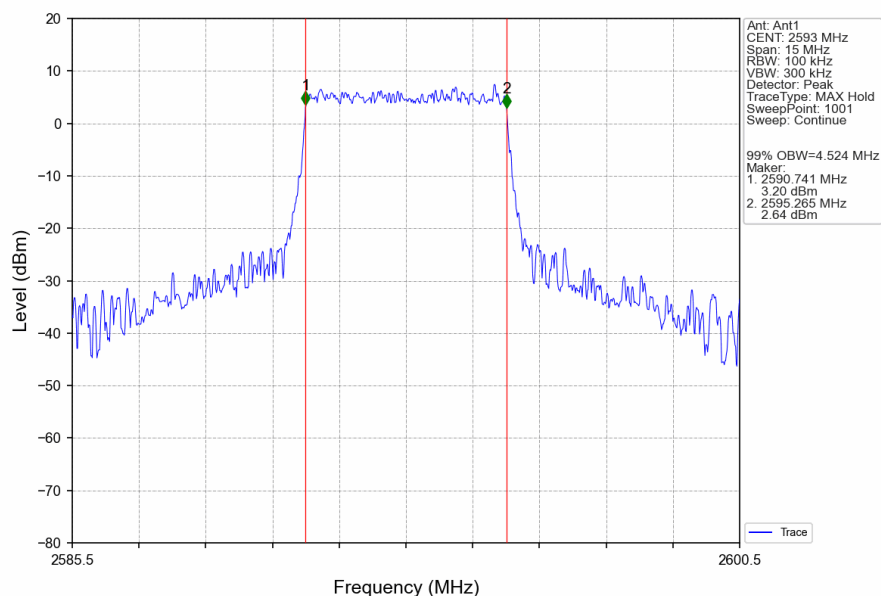
3.2 Test Graph

3.2.1 Band41_OBW

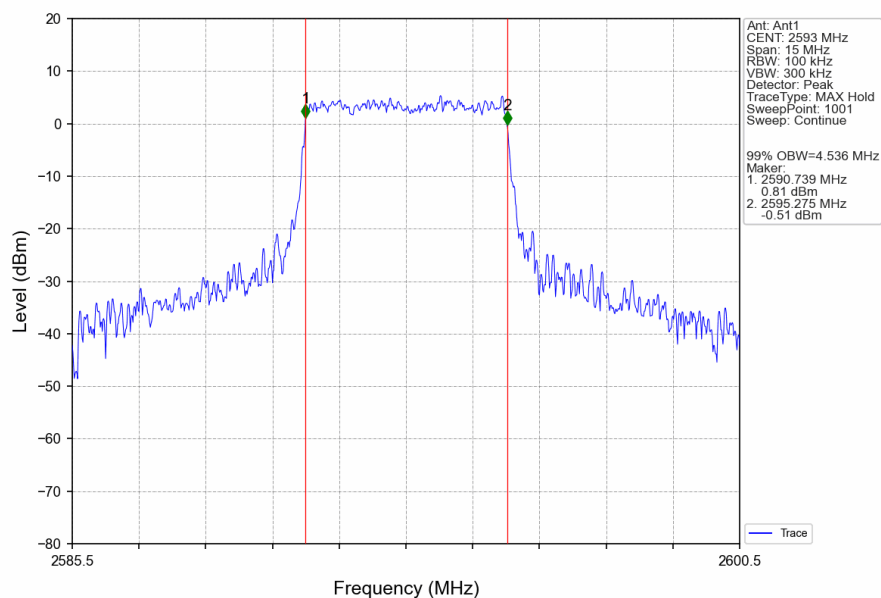




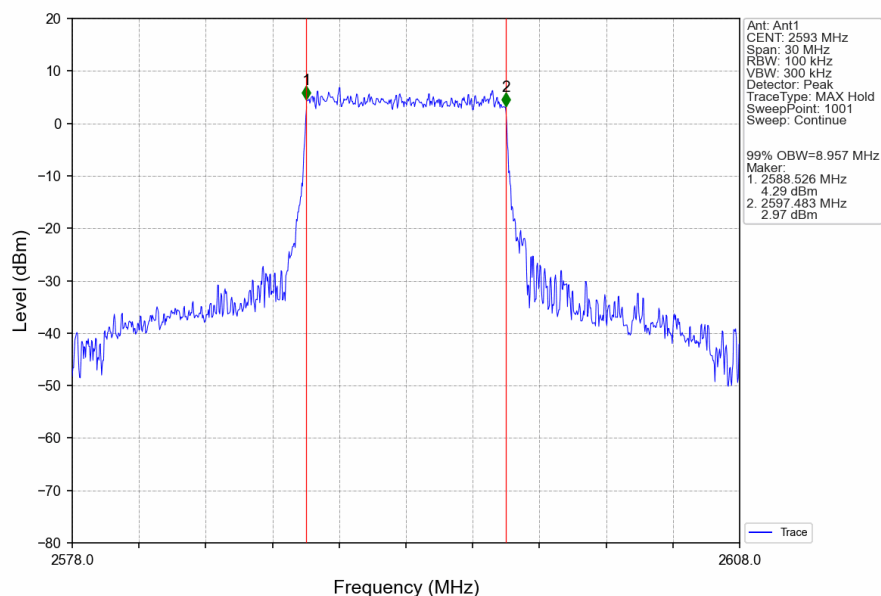
Band41_5MHz_64QAM_MCH_2593MHz_RB_25_0_NTNV



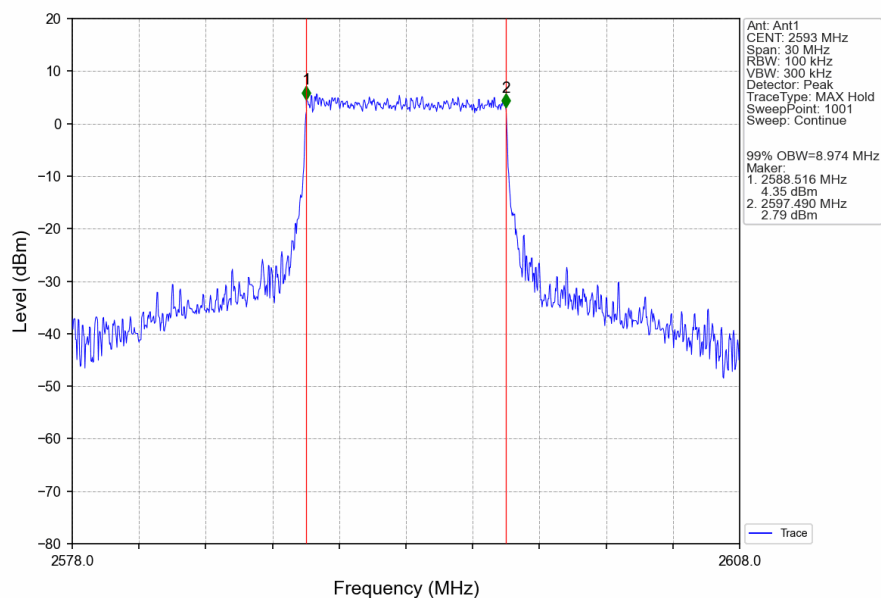
Band41_5MHz_256QAM_MCH_2593MHz_RB_25_0_NTNV



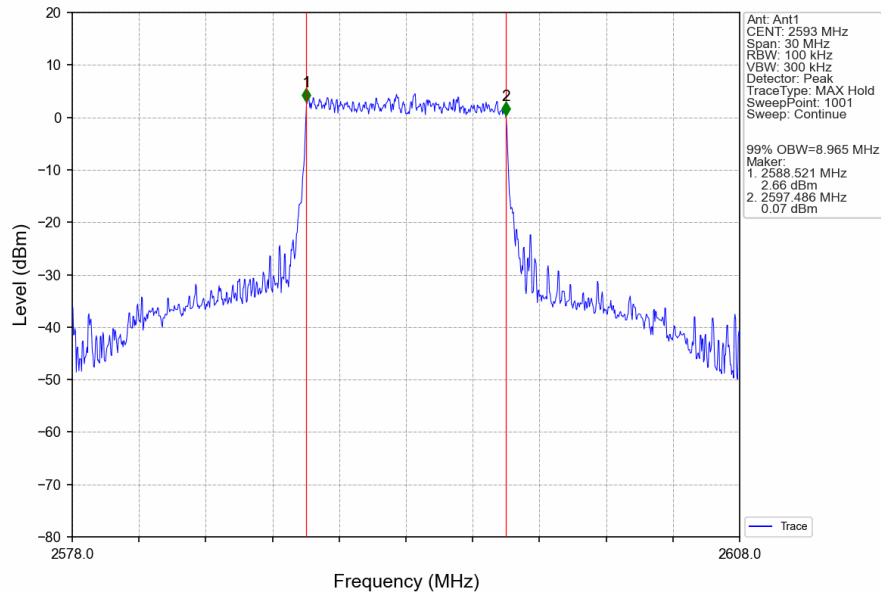
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



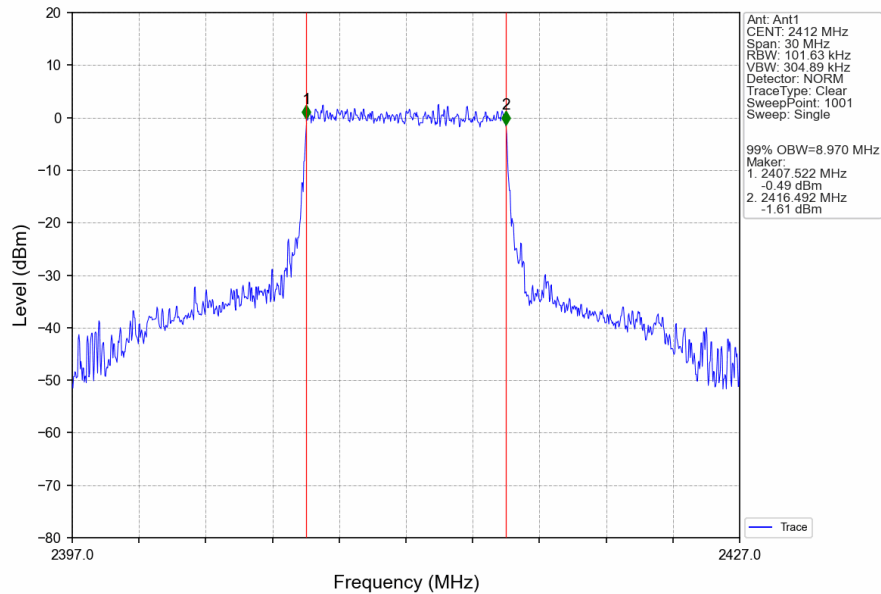
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



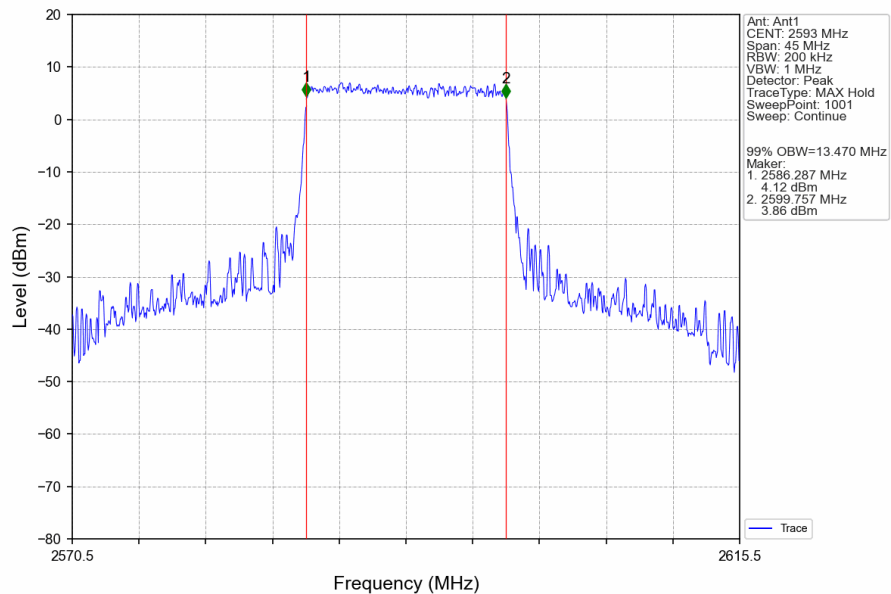
Band41_10MHz_64QAM_MCH_2593MHz_RB_50_0_NTNV



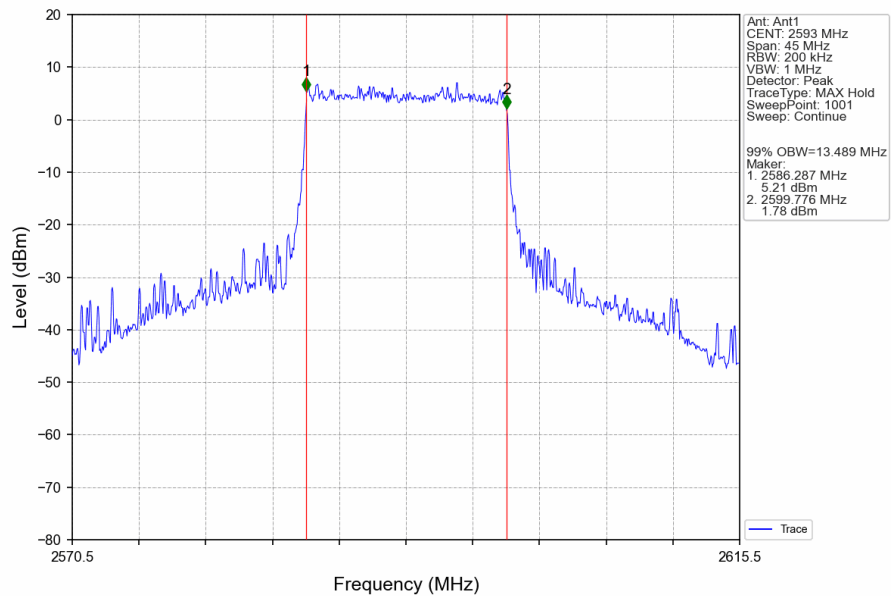
Band41_10MHz_256QAM_MCH_2593MHz_RB_50_0_NTNV



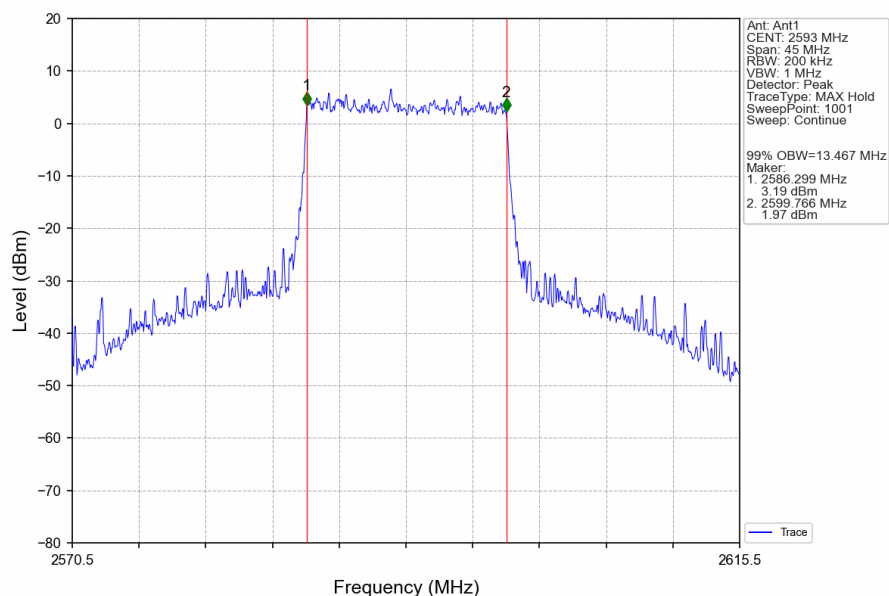
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



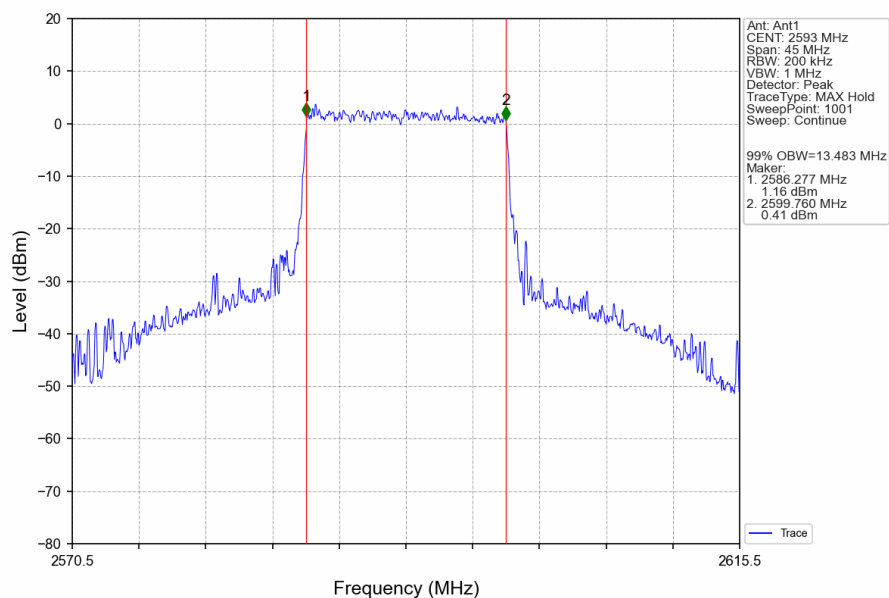
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



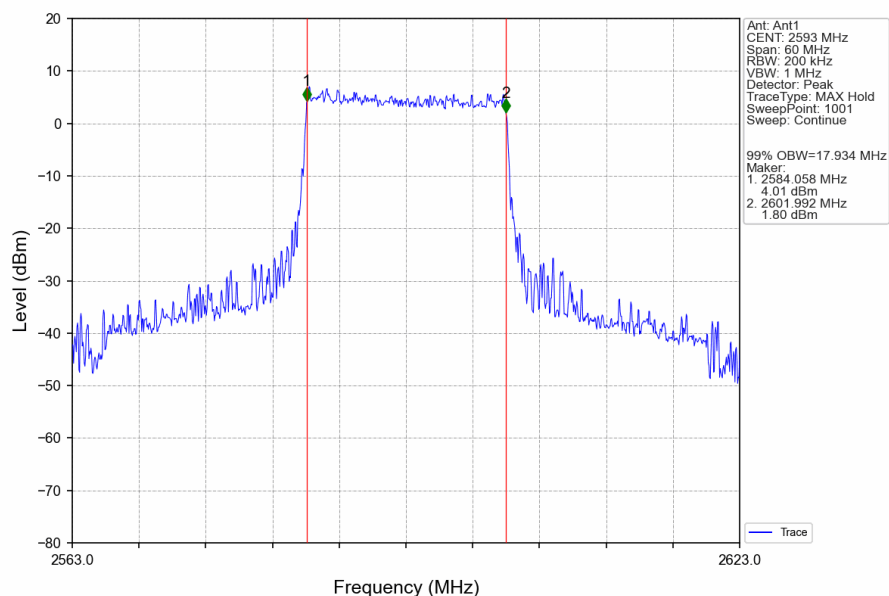
Band41_15MHz_64QAM_MCH_2593MHz_RB_75_0_NTNV



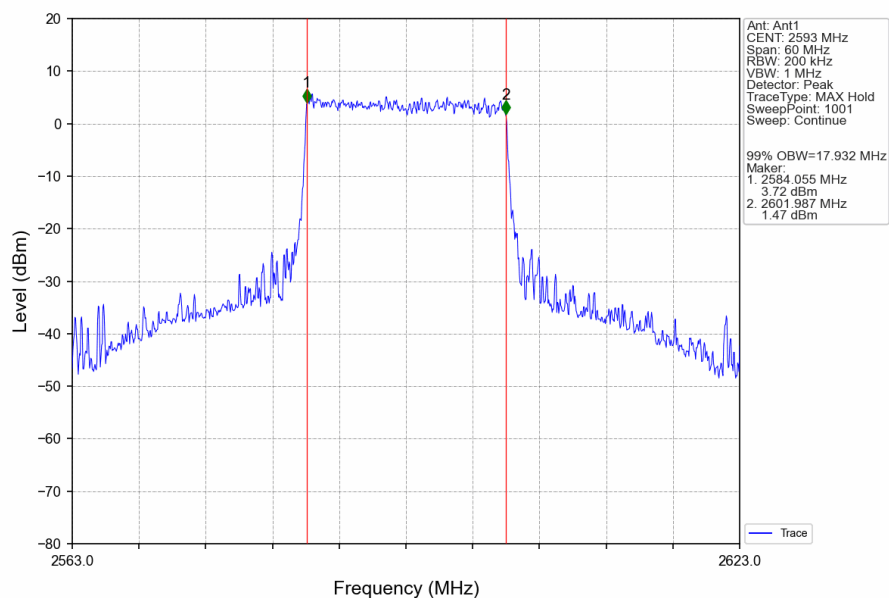
Band41_15MHz_256QAM_MCH_2593MHz_RB_75_0_NTNV



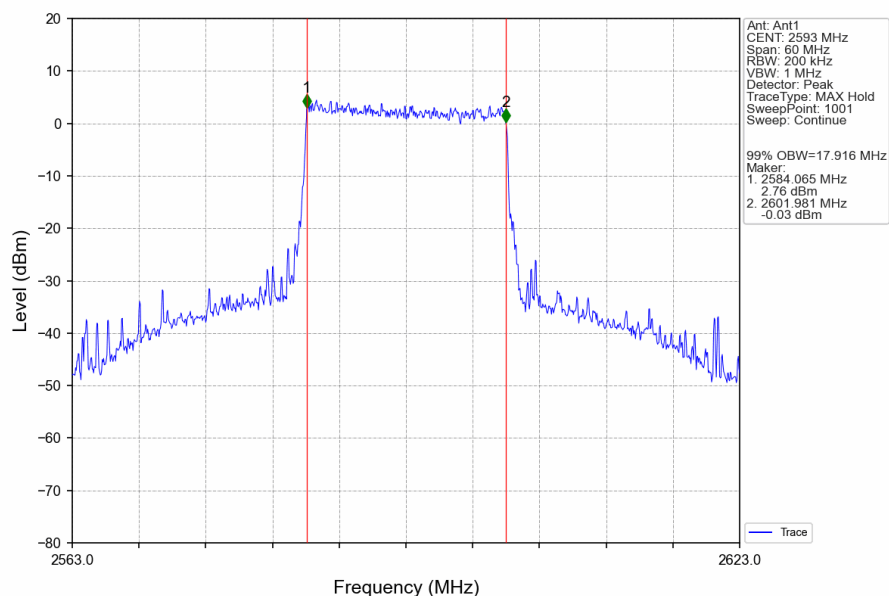
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



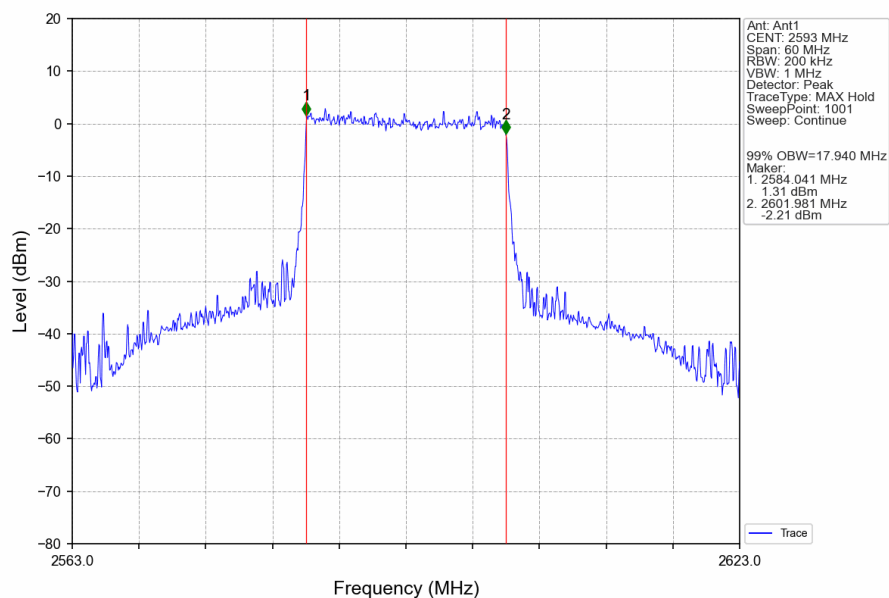
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



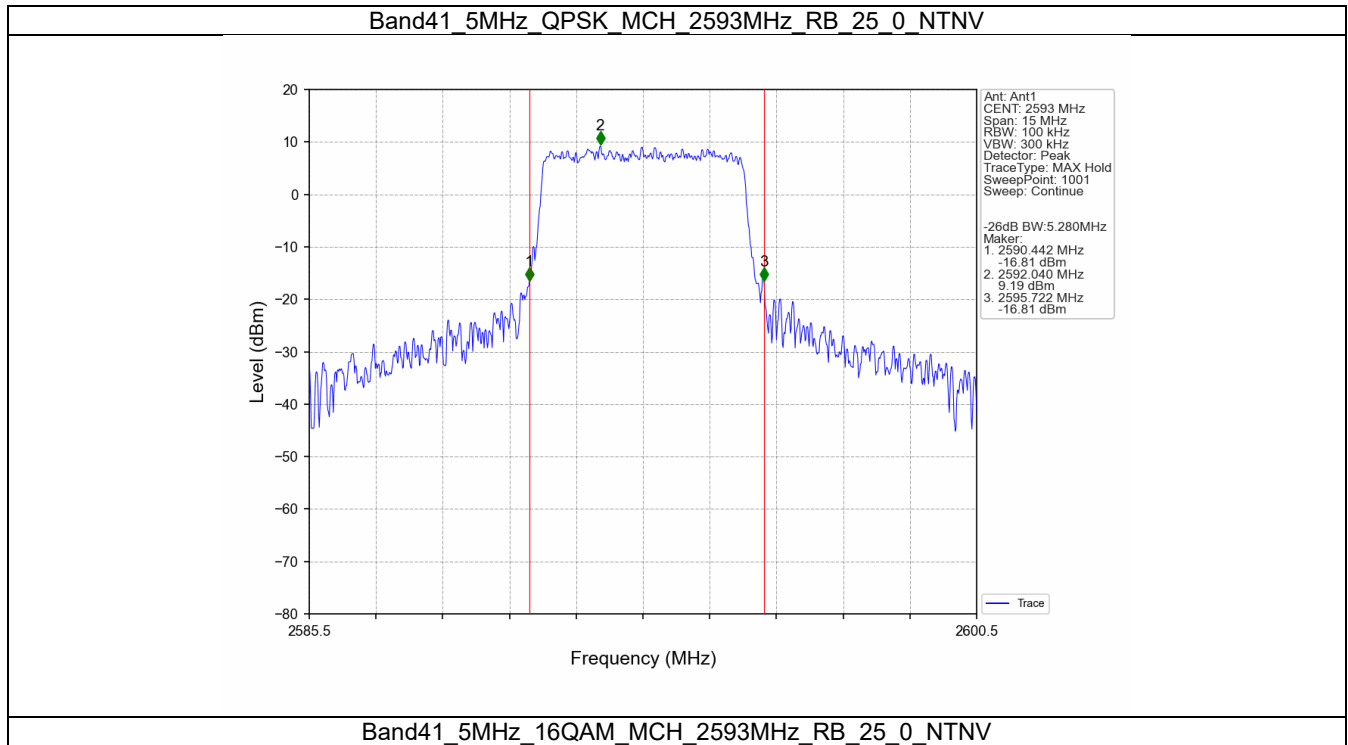
Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV

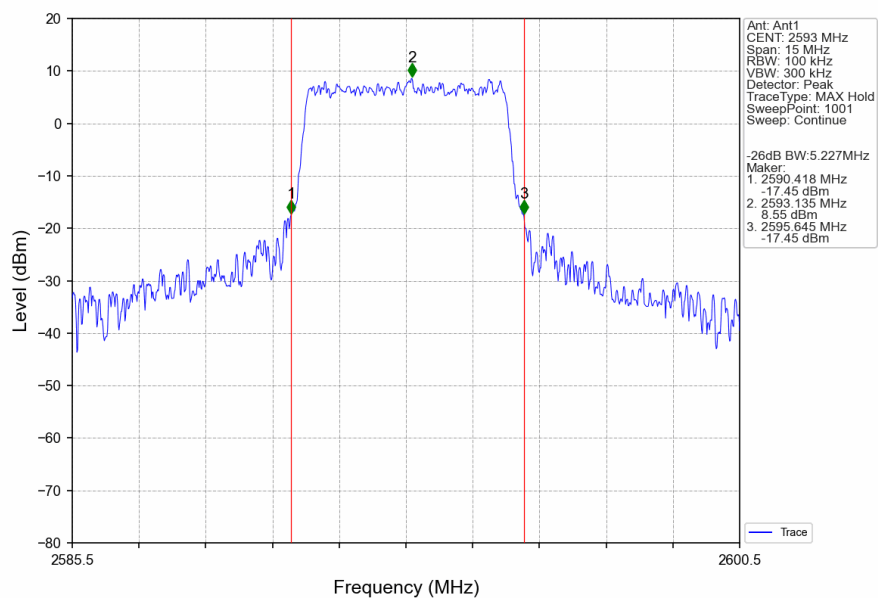


Band41_20MHz_256QAM_MCH_2593MHz_RB_100_0_NTNV

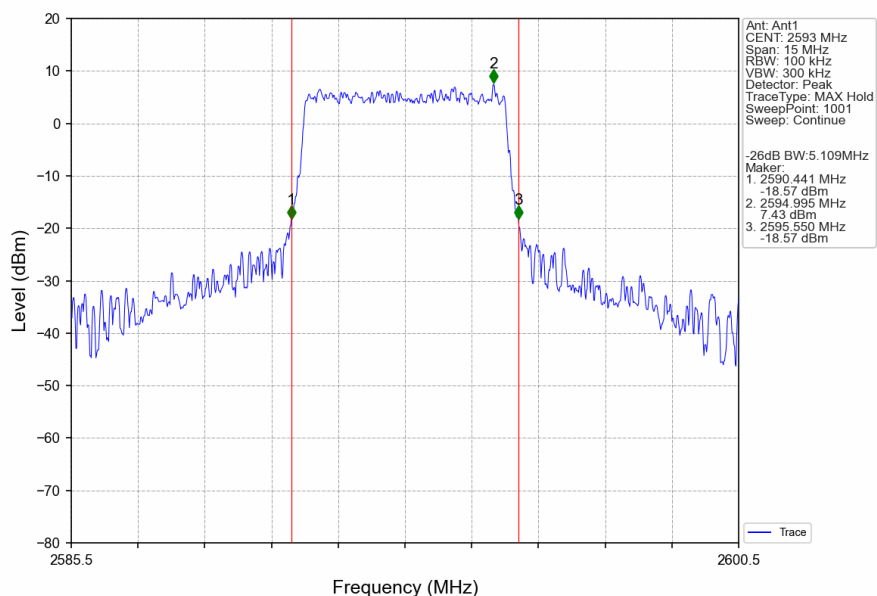


3.2.2 Band41_XDB

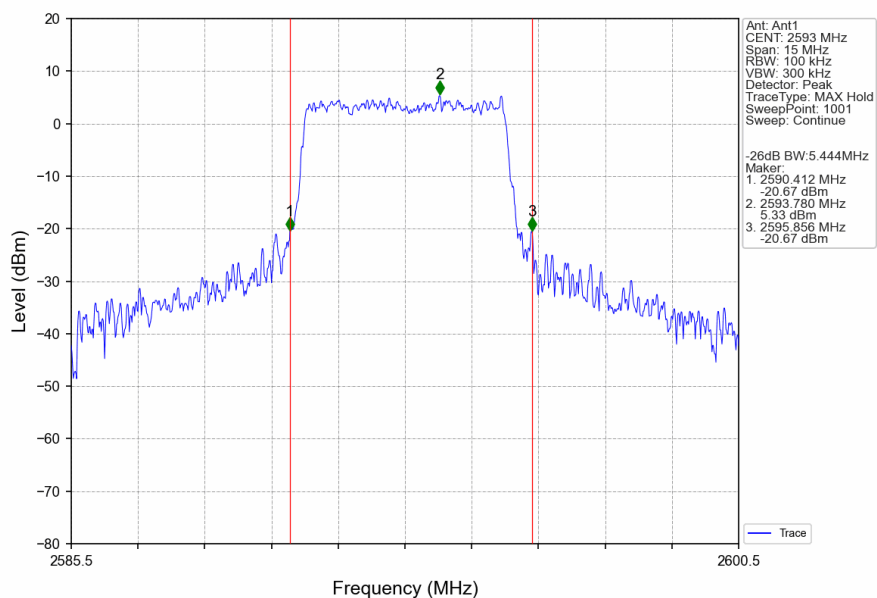




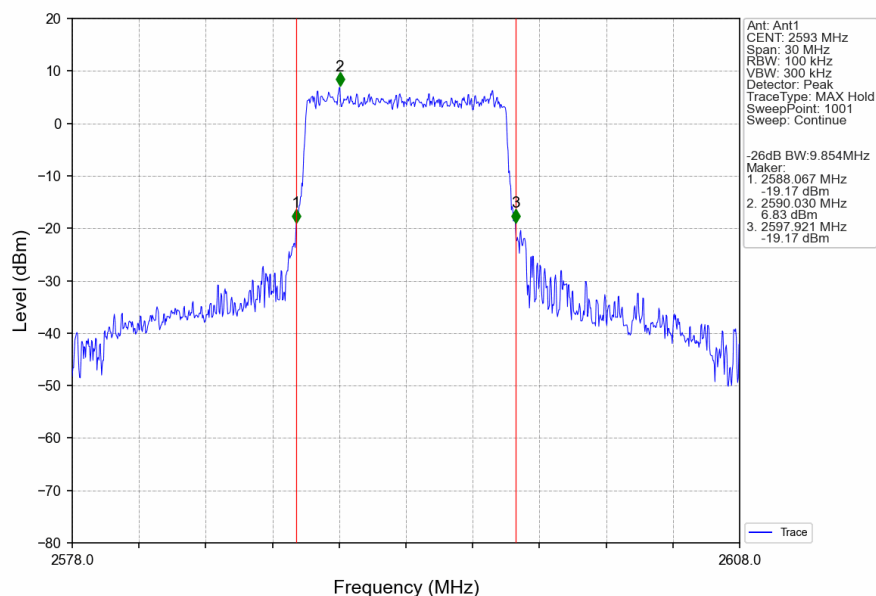
Band41_5MHz_64QAM_MCH_2593MHz_RB_25_0_NTNV



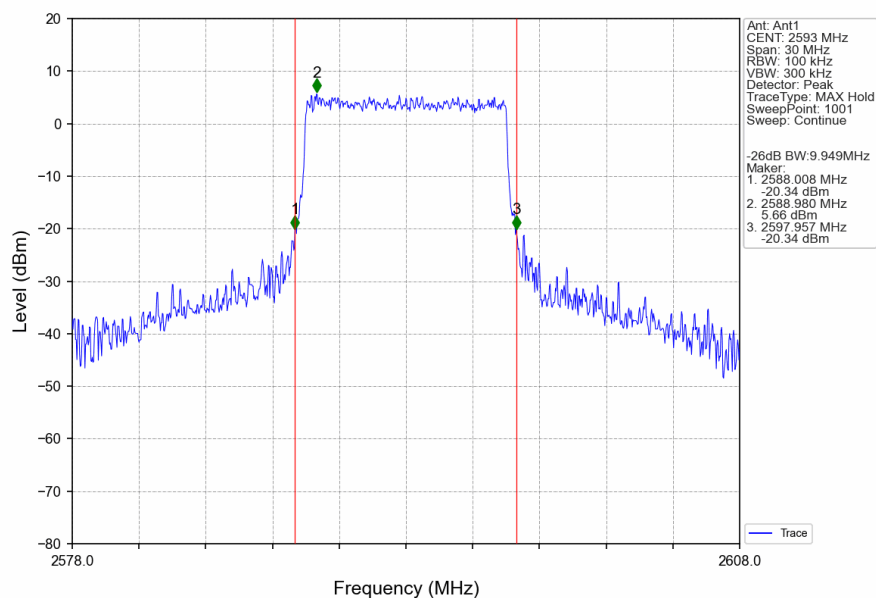
Band41_5MHz_256QAM_MCH_2593MHz_RB_25_0_NTNV



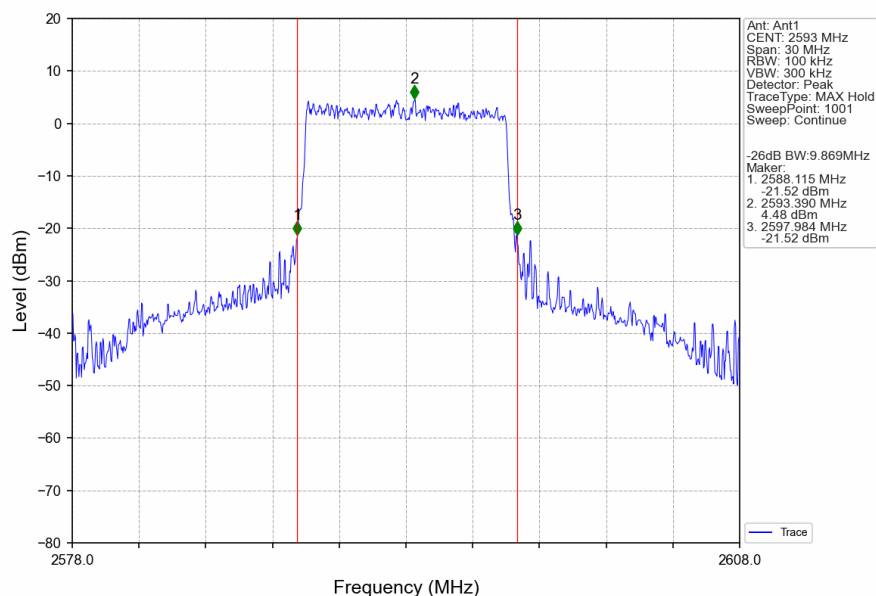
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



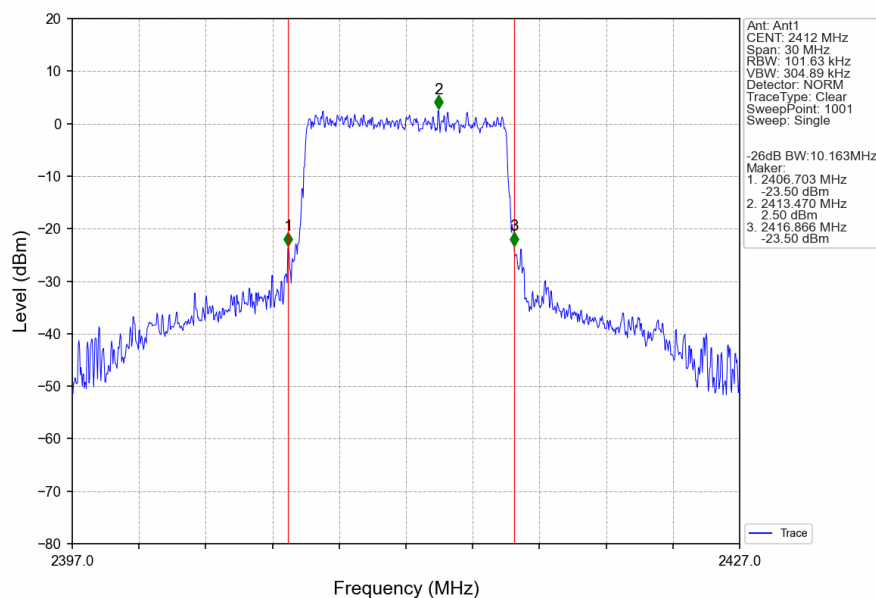
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



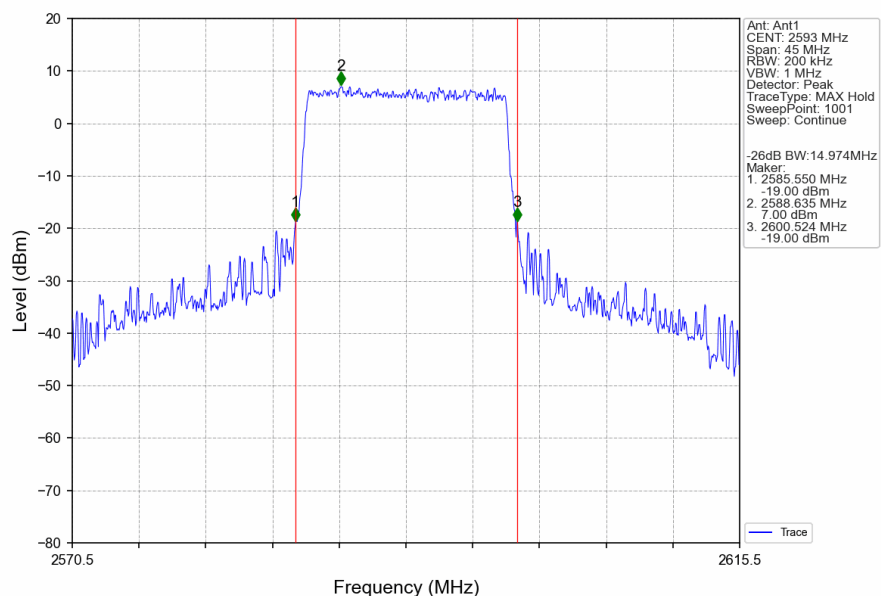
Band41_10MHz_64QAM_MCH_2593MHz_RB_50_0_NTNV



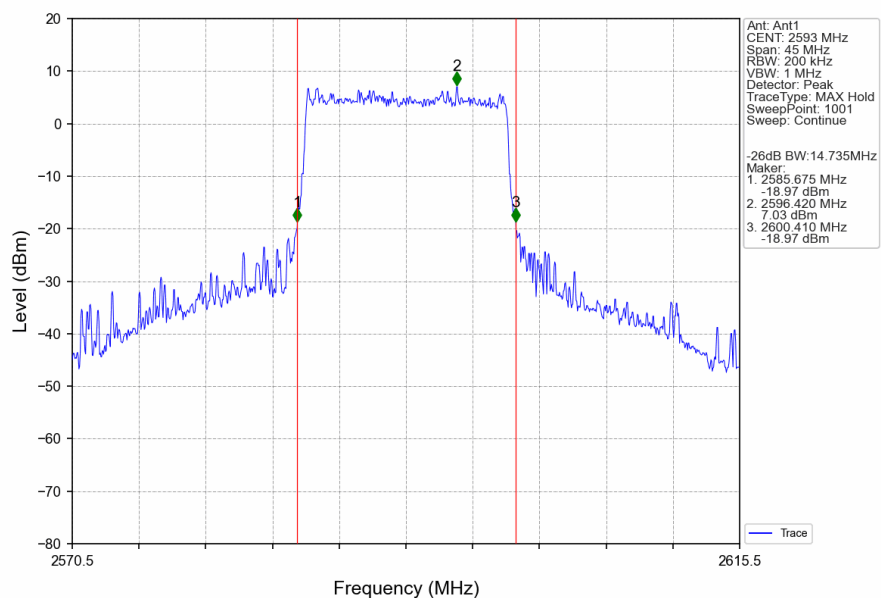
Band41_10MHz_256QAM_MCH_2593MHz_RB_50_0_NTNV



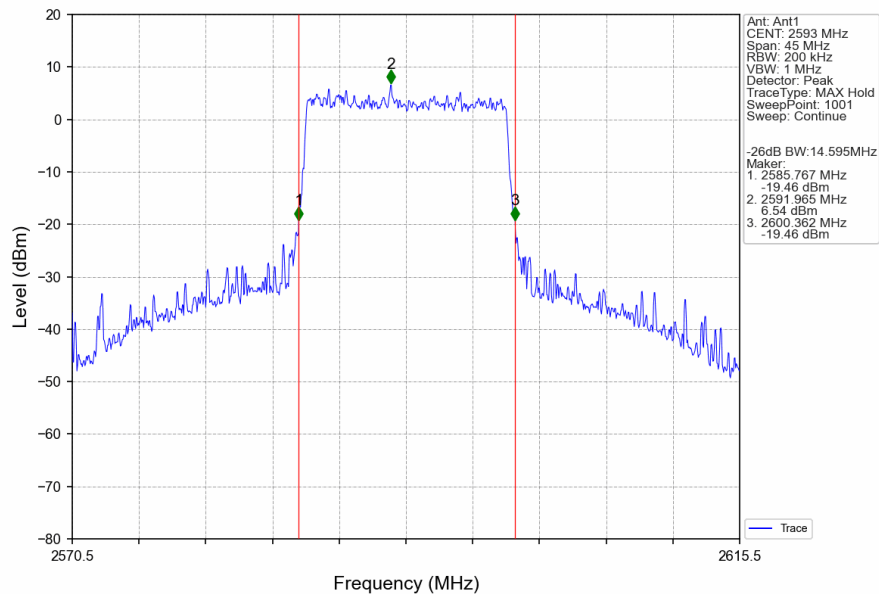
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



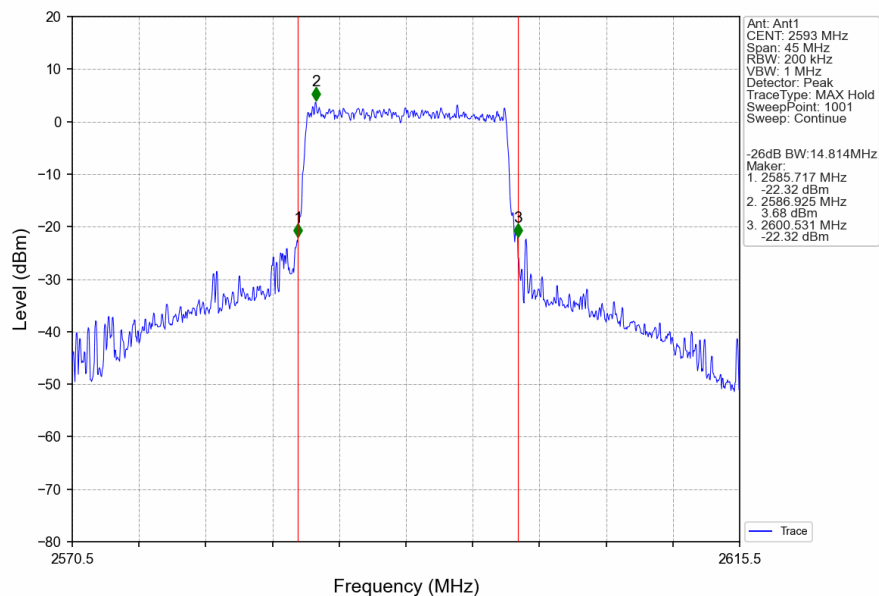
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



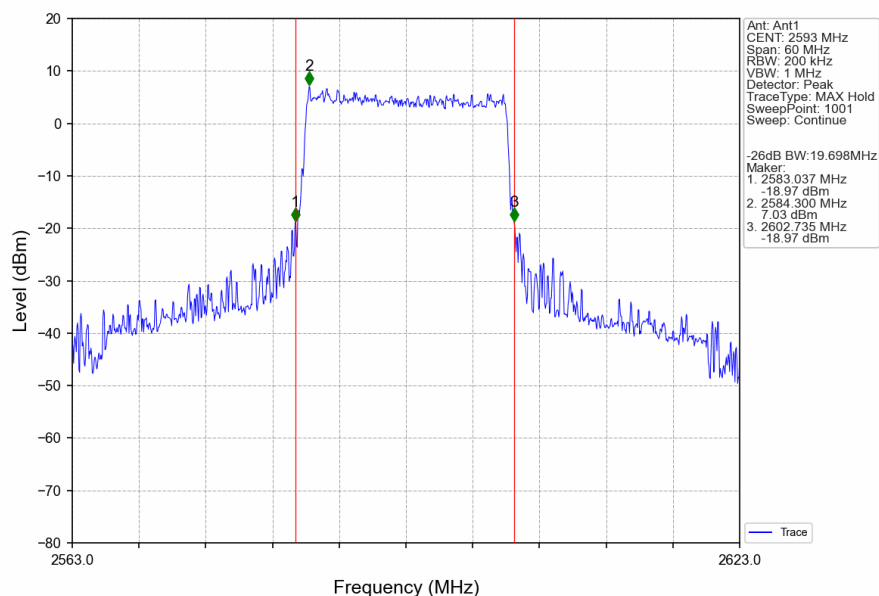
Band41_15MHz_64QAM_MCH_2593MHz_RB_75_0_NTNV



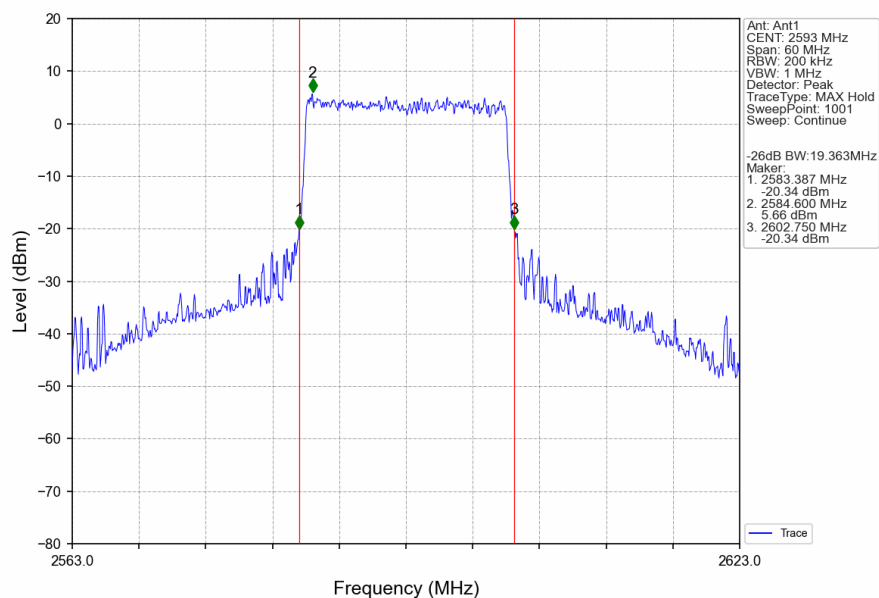
Band41_15MHz_256QAM_MCH_2593MHz_RB_75_0_NTNV



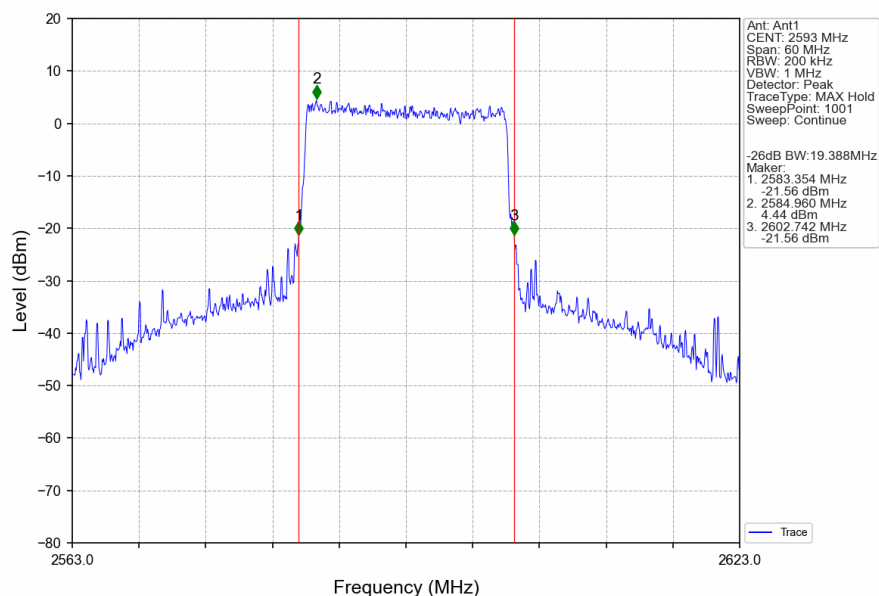
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



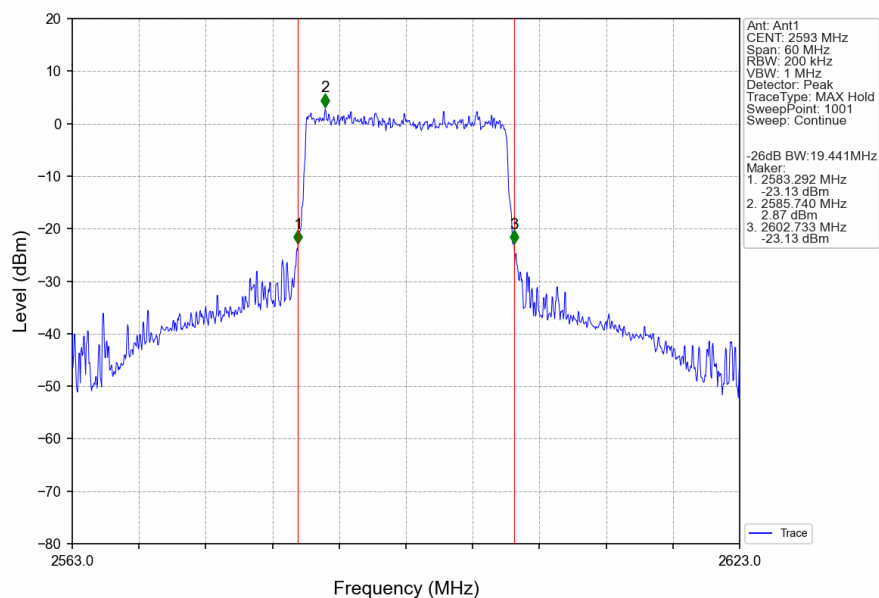
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_256QAM_MCH_2593MHz_RB_100_0_NTNV





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4. Peak-Average Ratio

4.1 Test Result

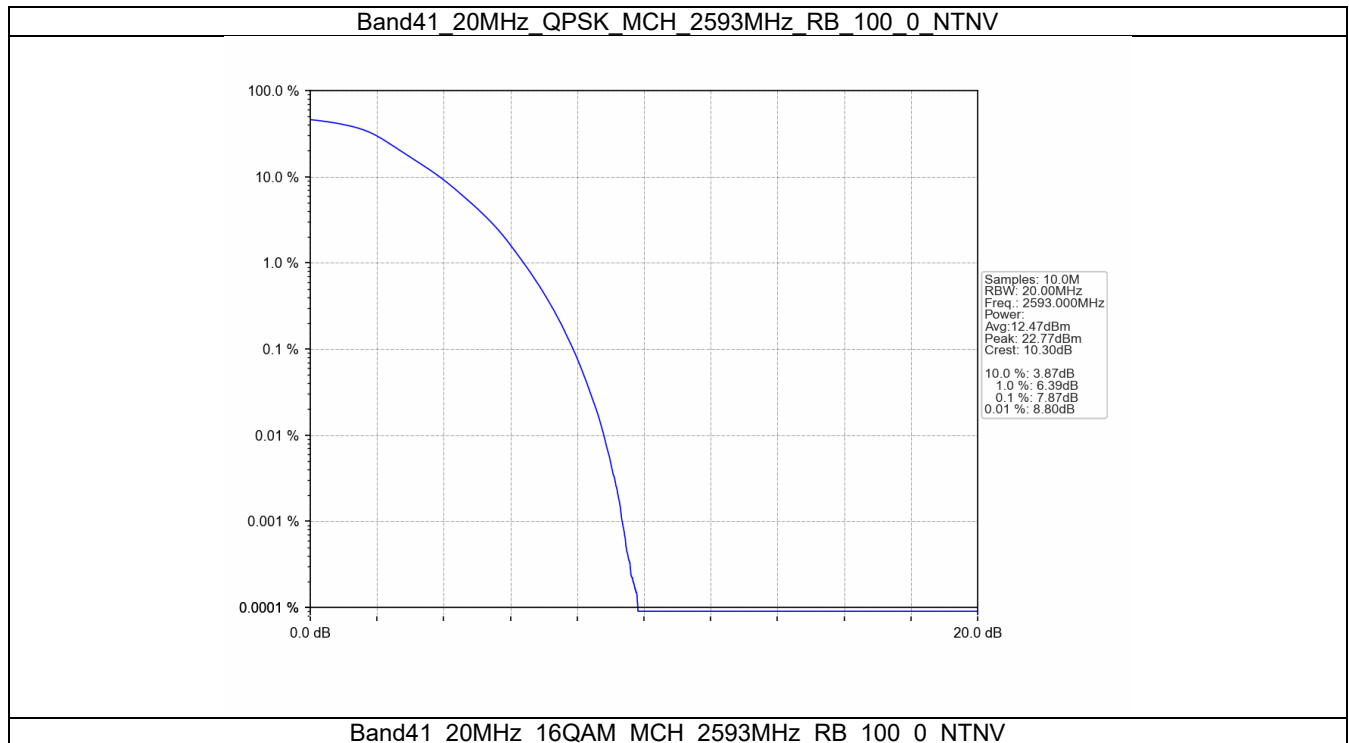
4.1.1 B41_20MHz

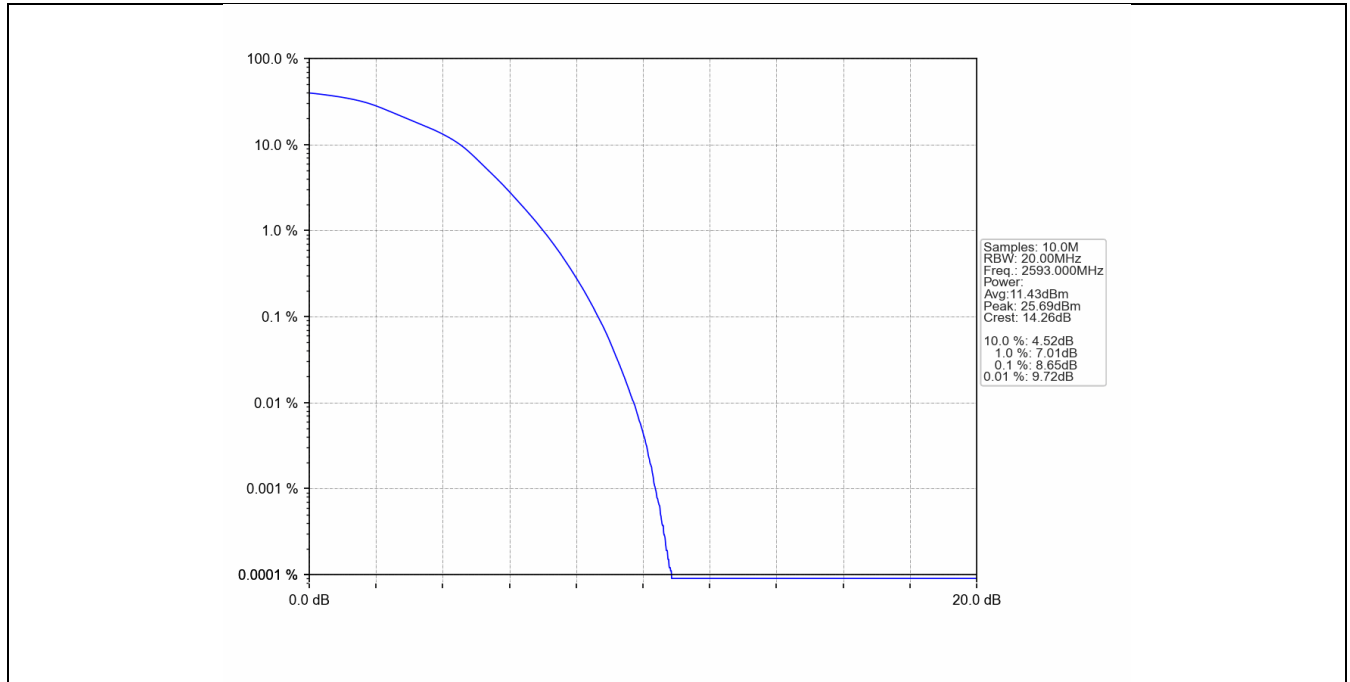
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	7.87	<=13	Pass
16QAM	2593	100	0	8.65	<=13	Pass
64QAM	2593	100	0	8.74	<=13	Pass
256QAM	2593	100	0	8.91	<=13	Pass



4.2 Test Graph

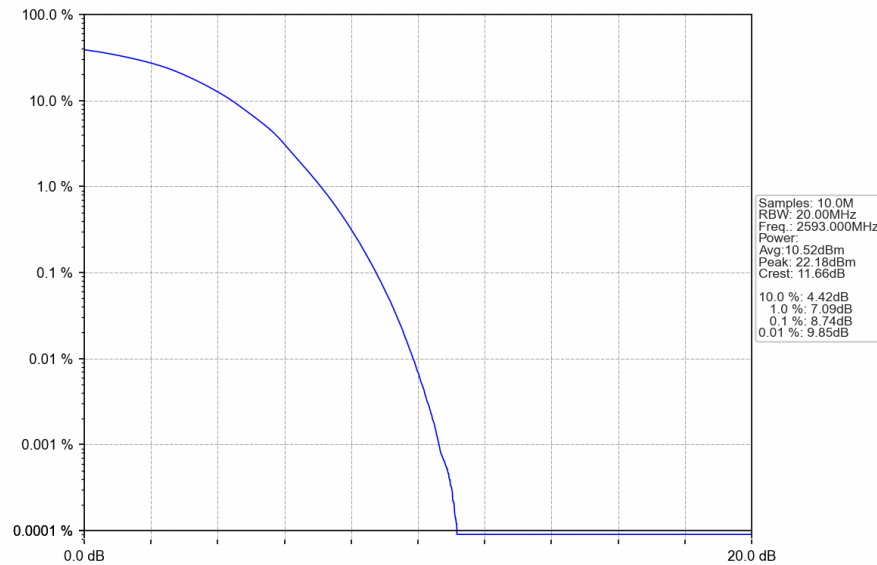
4.2.1 B41_20MHz



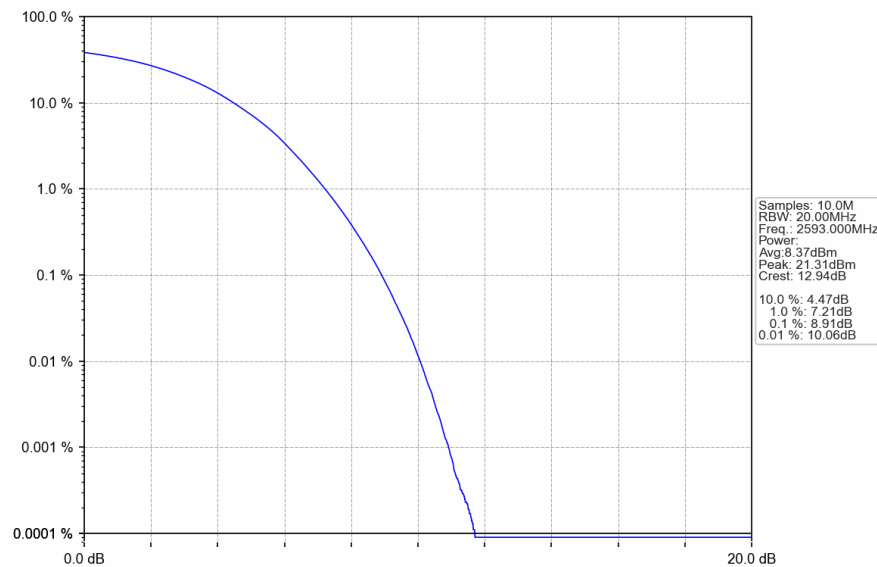




Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



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 / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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	
		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	
		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

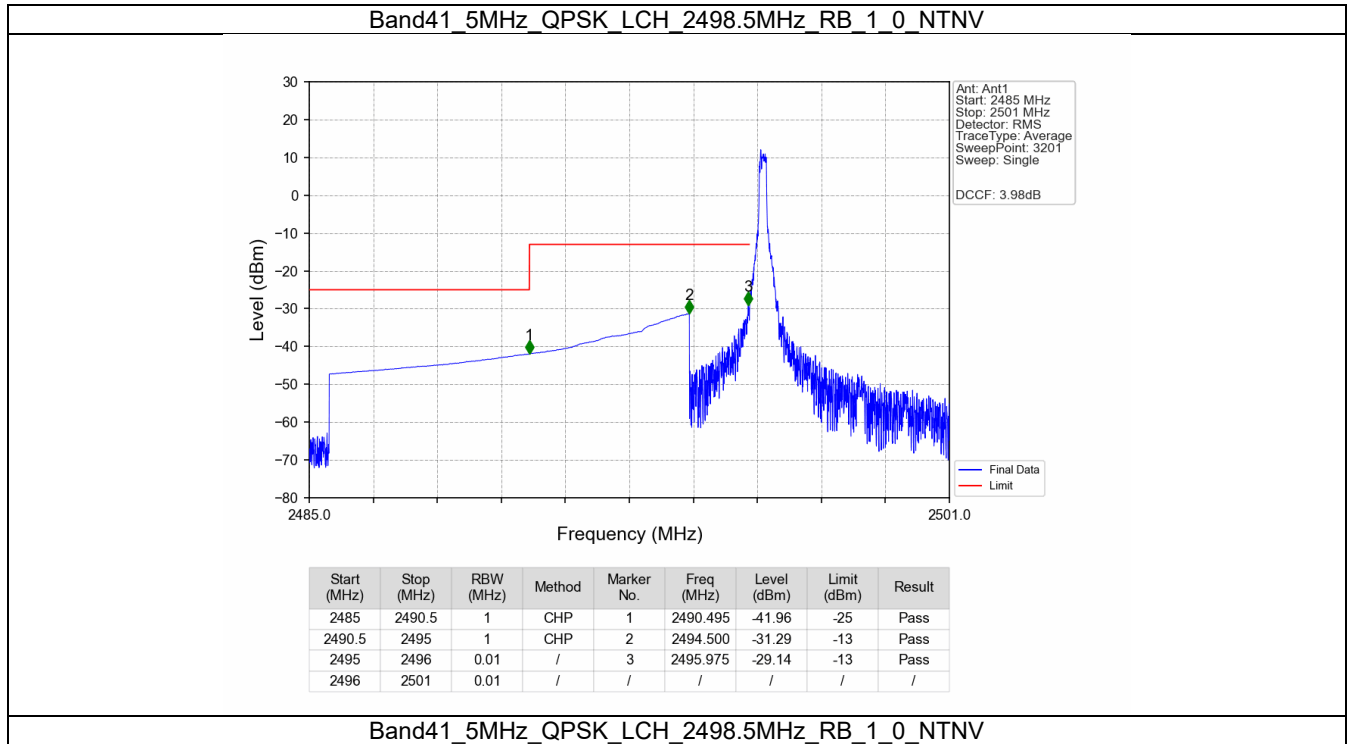
Band: 41 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict

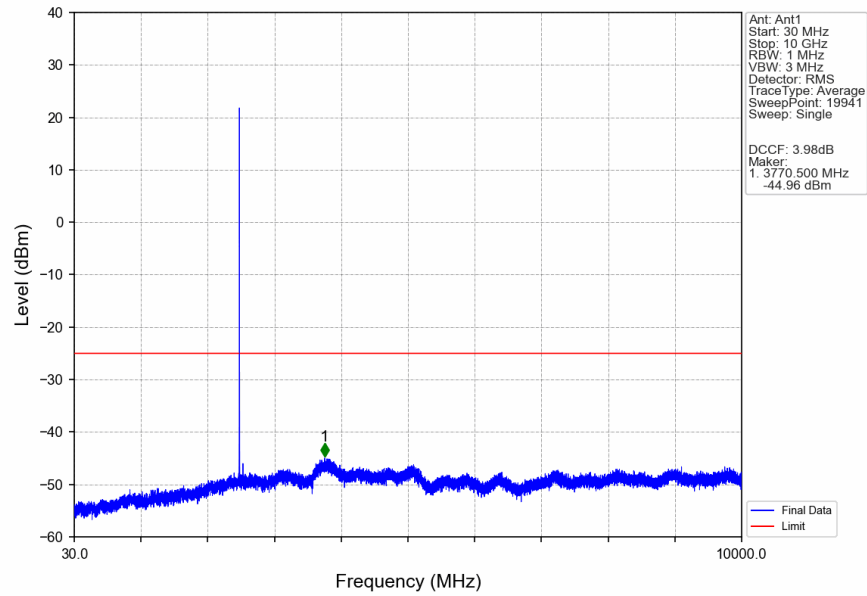


	(MHz)	Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2680	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

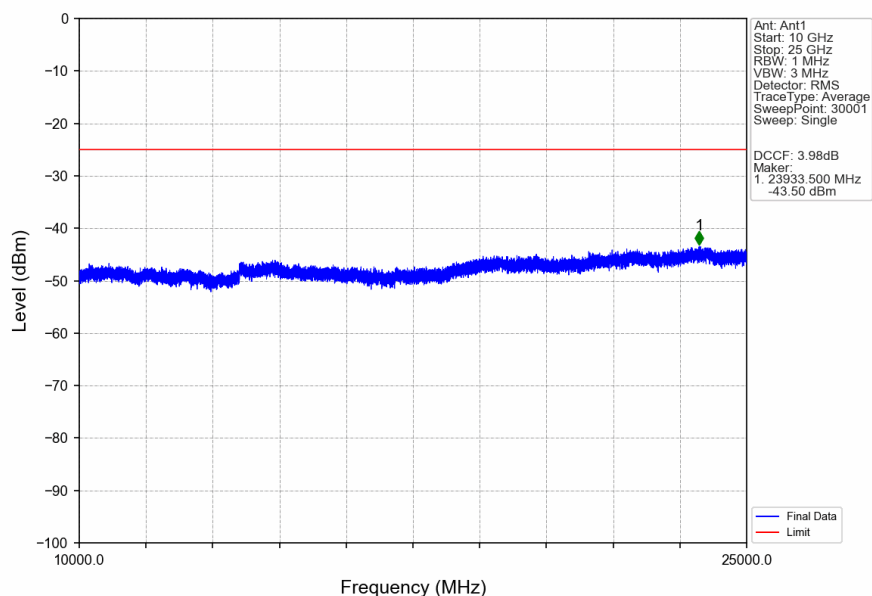
5.2 Test Graph

5.2.1 B41_5MHz

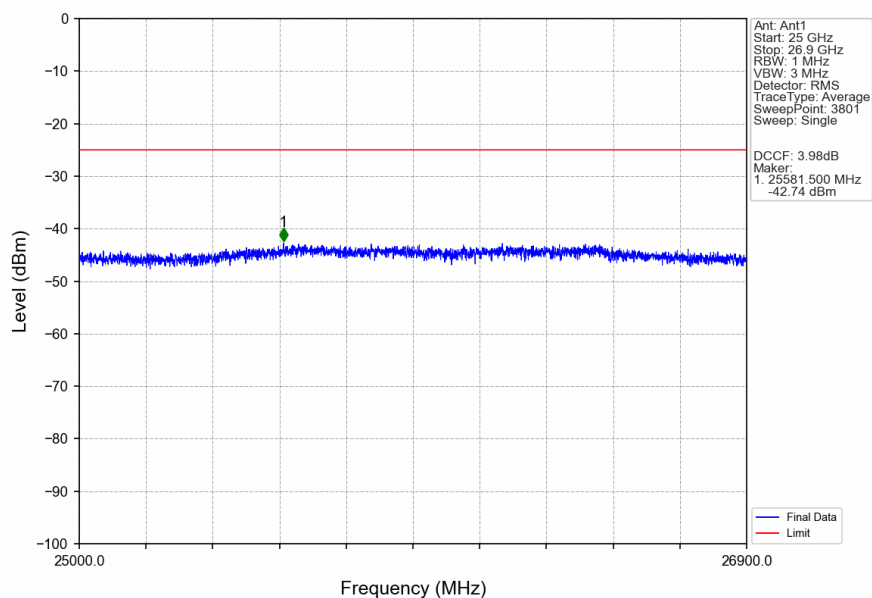




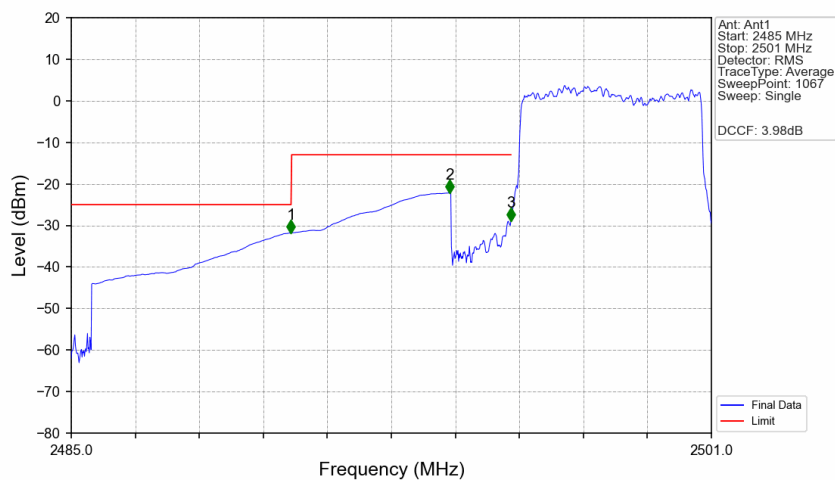
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

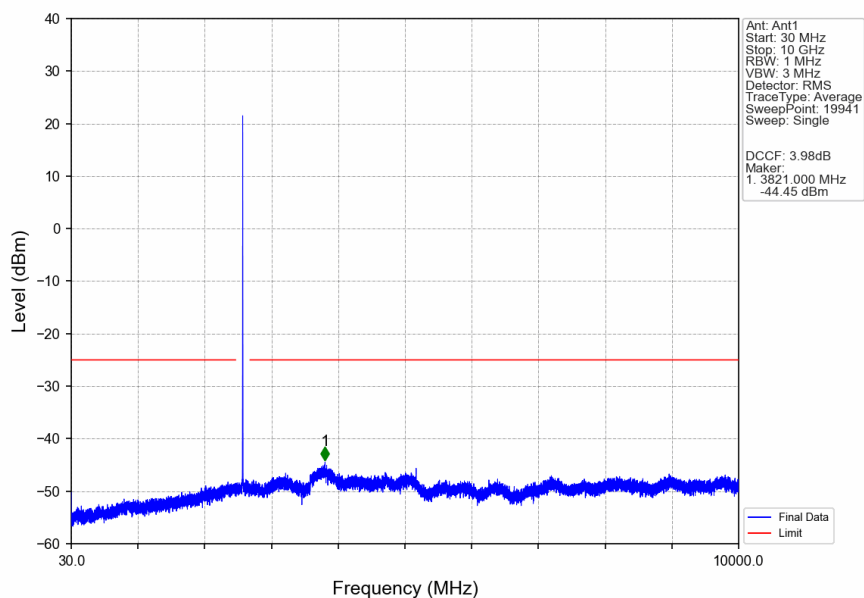


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

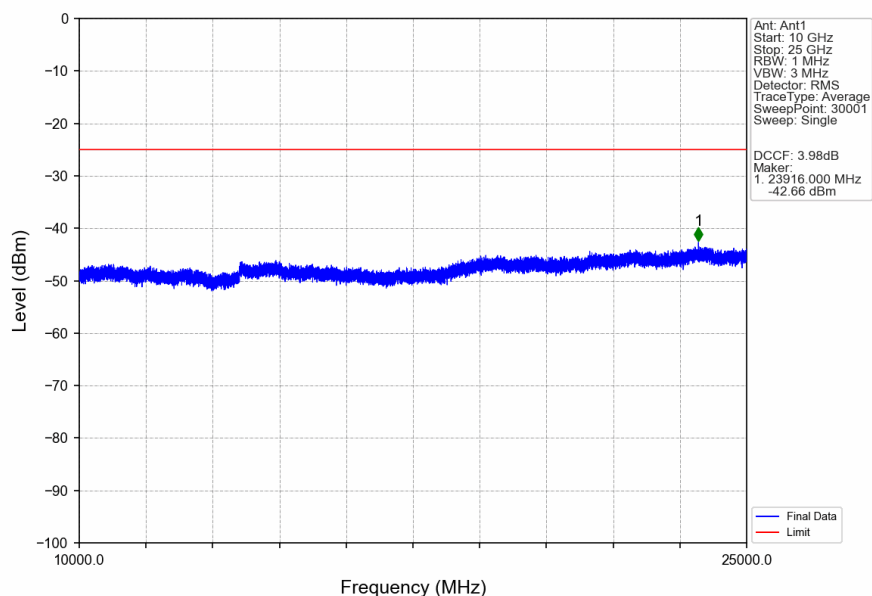


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-31.83	-25	Pass
2490.5	2495	1	CHP	2	2494.456	-22.13	-13	Pass
2495	2496	0.053	CHP	3	2495.987	-28.99	-13	Pass
2496	2501	0.053	CHP	/	/	/	/	/

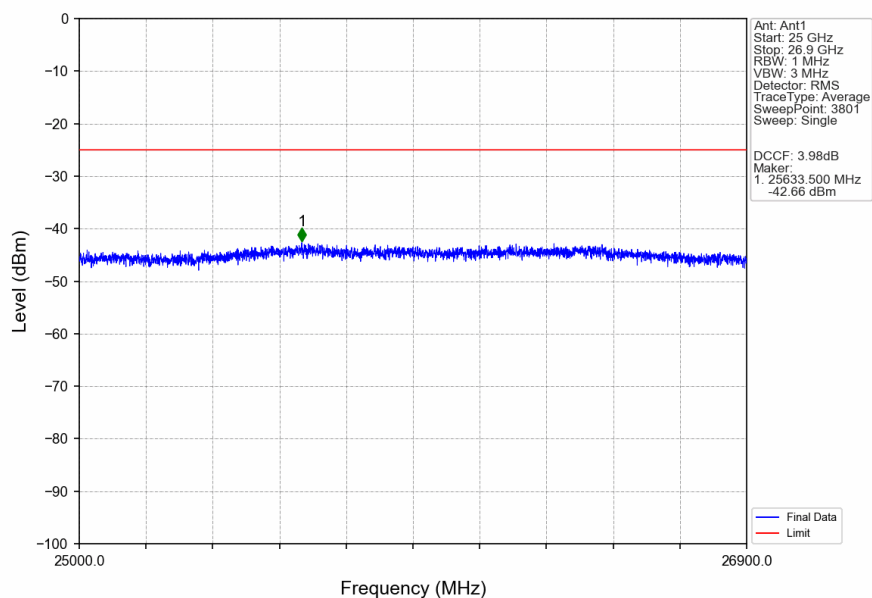
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



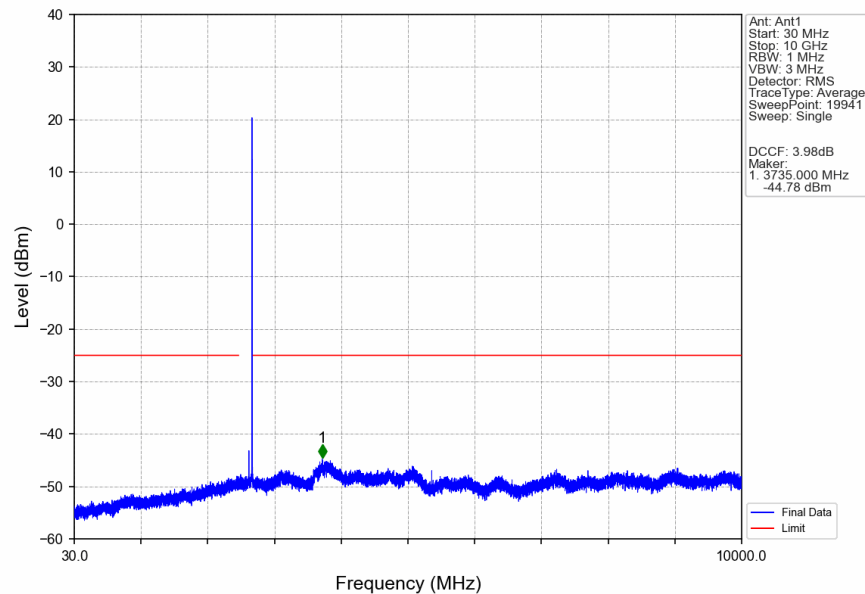
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



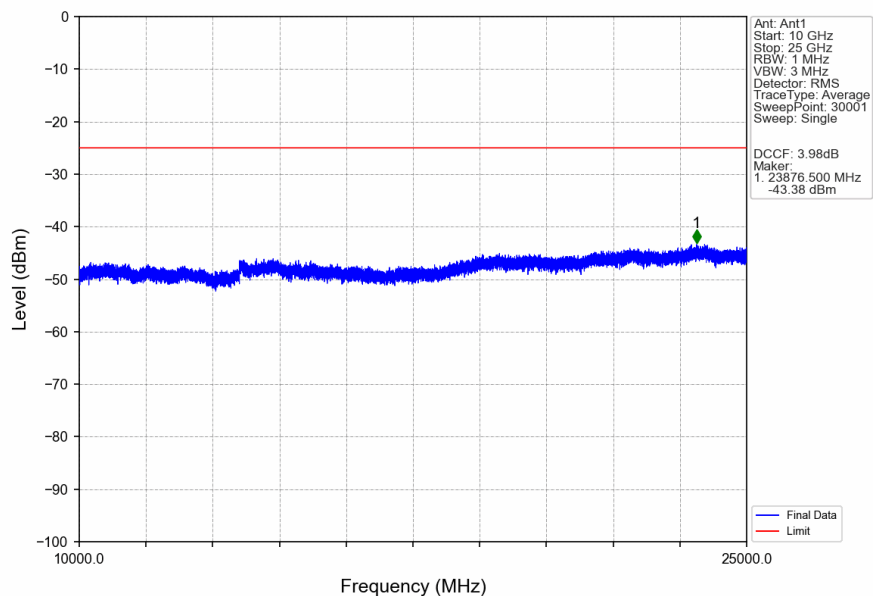
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



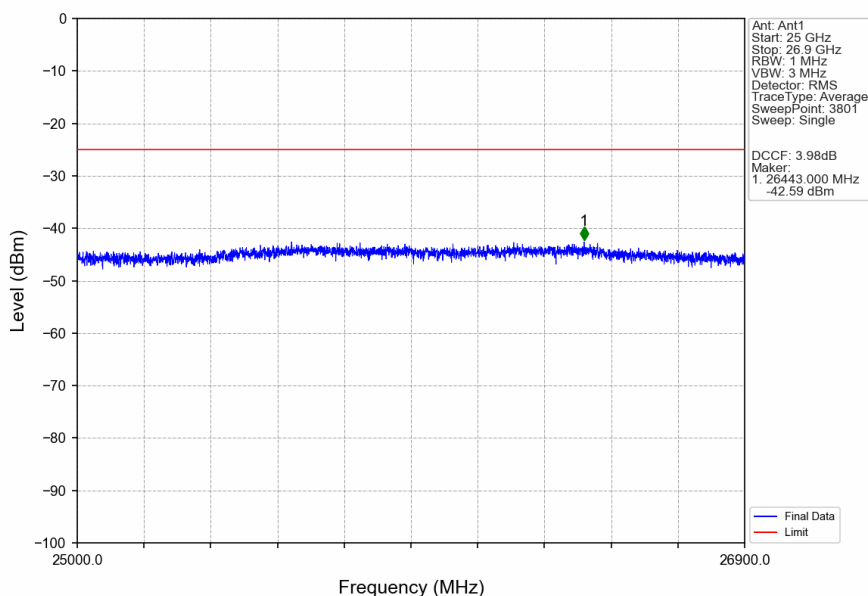
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



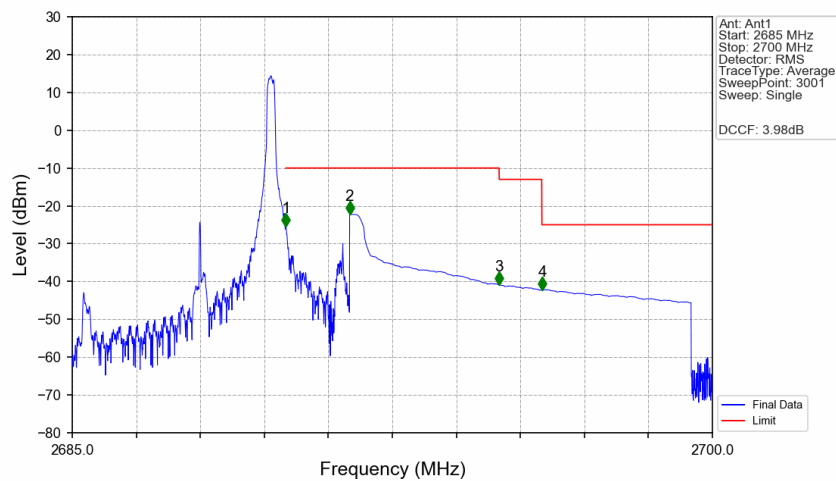
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV

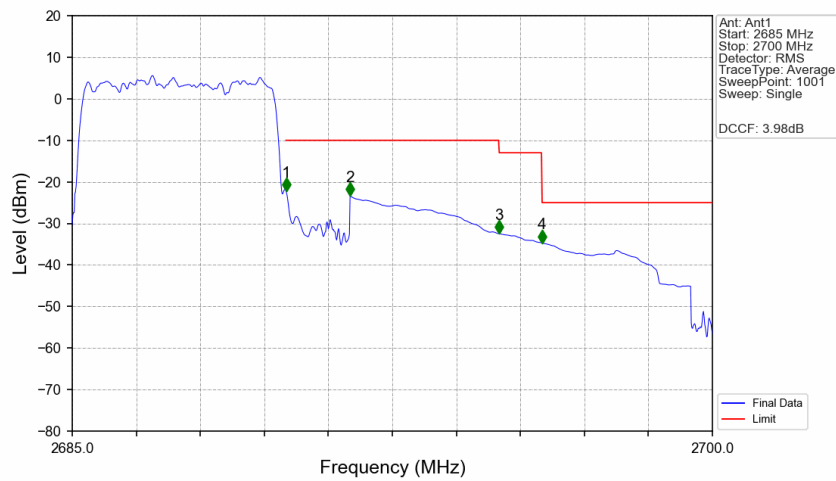


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



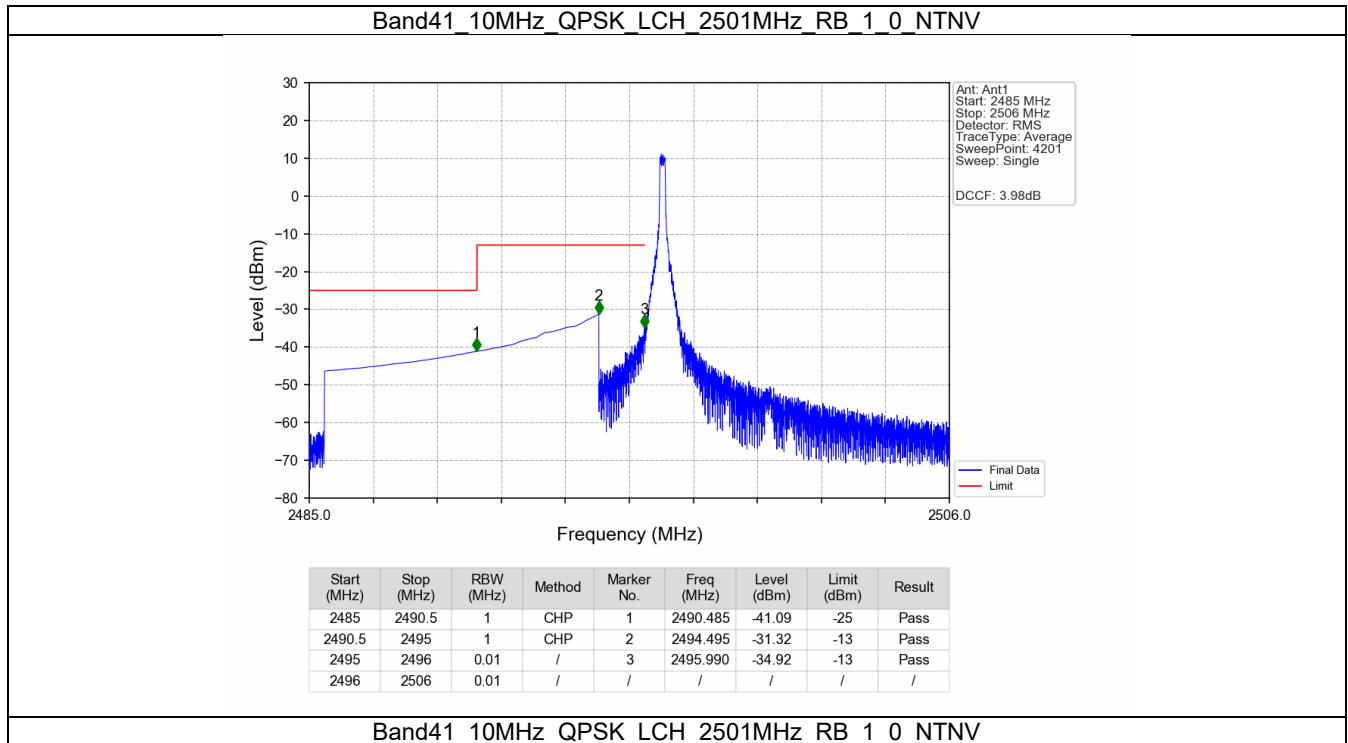
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-25.51	-10	Pass
2691	2695	1	CHP	2	2691.500	-22.26	-10	Pass
2695	2696	1	CHP	3	2695.005	-40.94	-13	Pass
2696	2700	1	CHP	4	2696.015	-42.18	-25	Pass

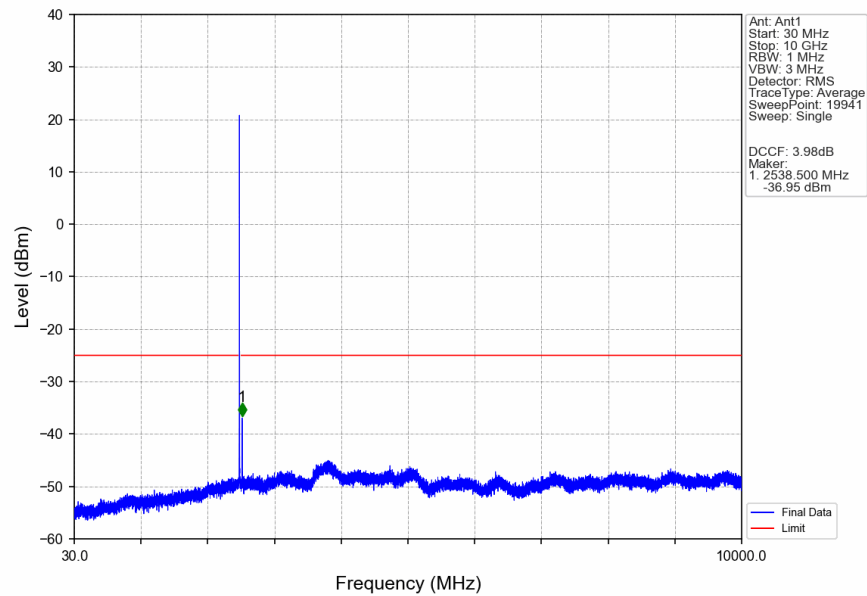
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



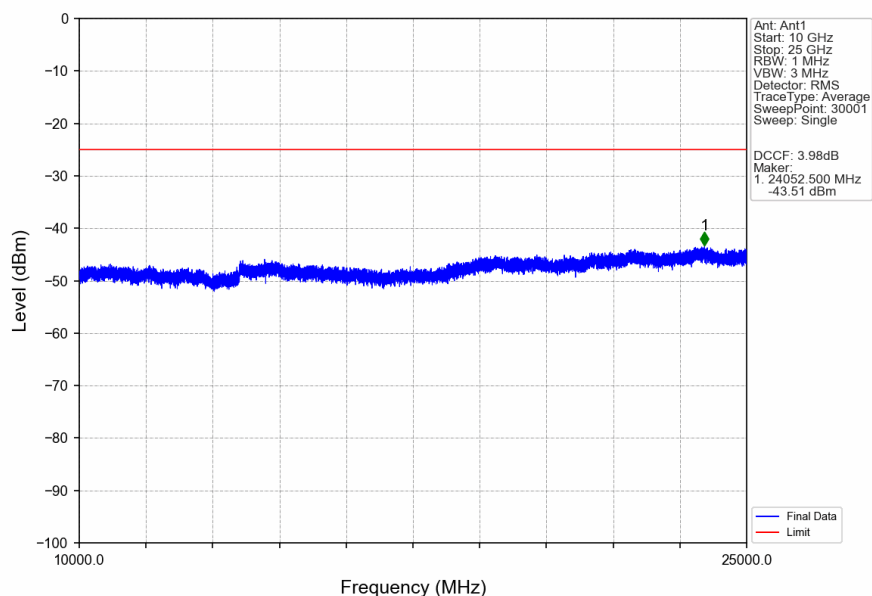
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.106	CHP	/	/	/	/	/
2690	2691	0.106	CHP	1	2690.010	-22.22	-10	Pass
2691	2695	1	CHP	2	2691.510	-23.35	-10	Pass
2695	2696	1	CHP	3	2695.005	-32.48	-13	Pass
2696	2700	1	CHP	4	2696.010	-34.68	-25	Pass

5.2.2 B41_10MHz

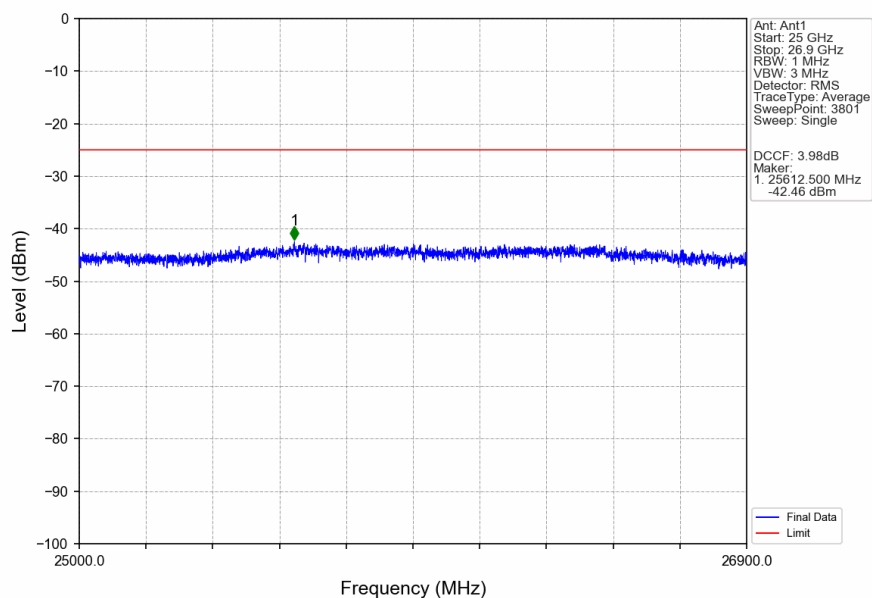




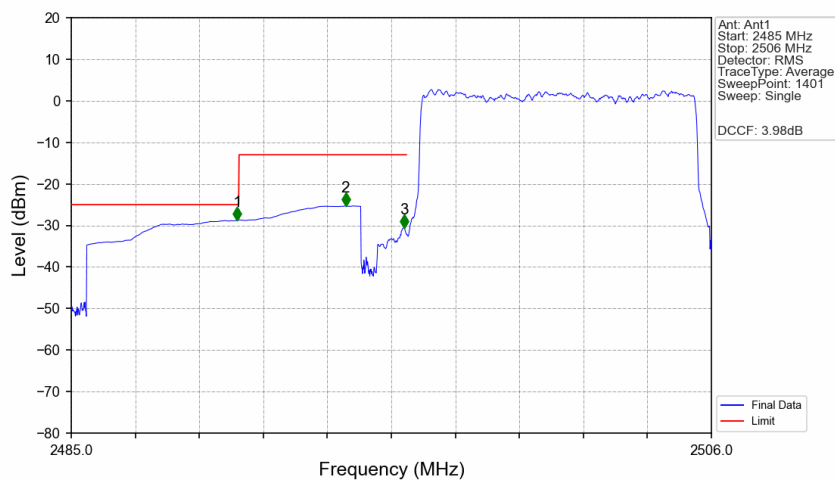
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

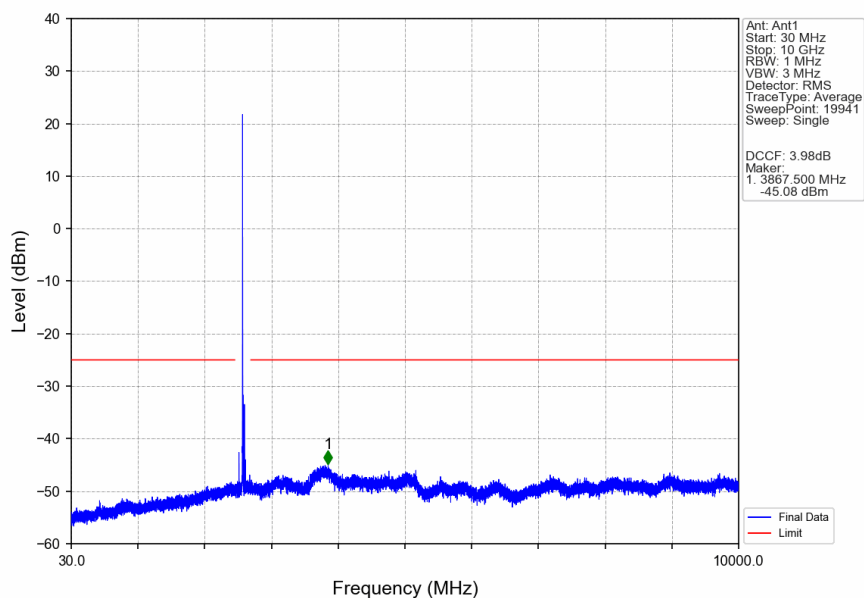


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

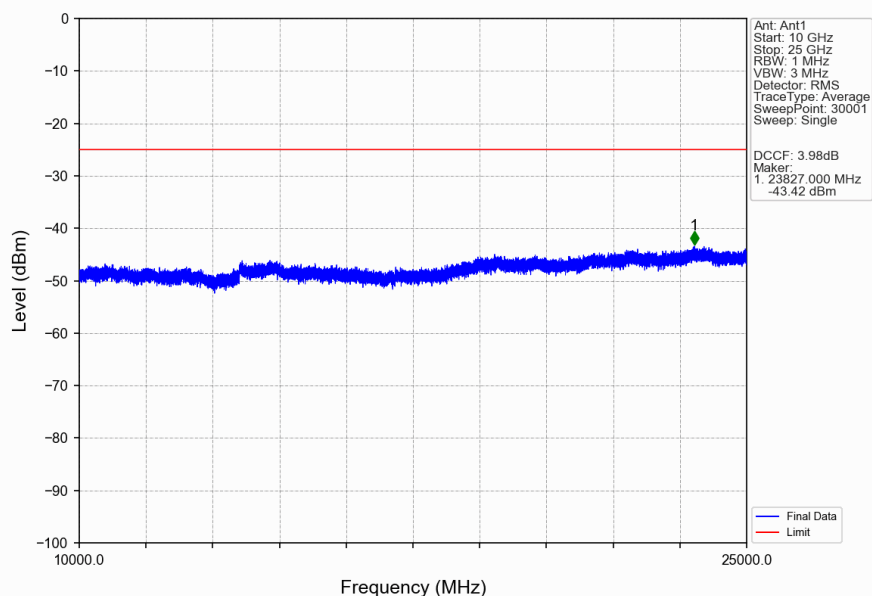


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.445	-28.74	-25	Pass
2490.5	2495	1	CHP	2	2494.000	-25.32	-13	Pass
2495	2496	0.099	CHP	3	2495.920	-30.52	-13	Pass
2496	2506	0.099	CHP	/	/	/	/	/

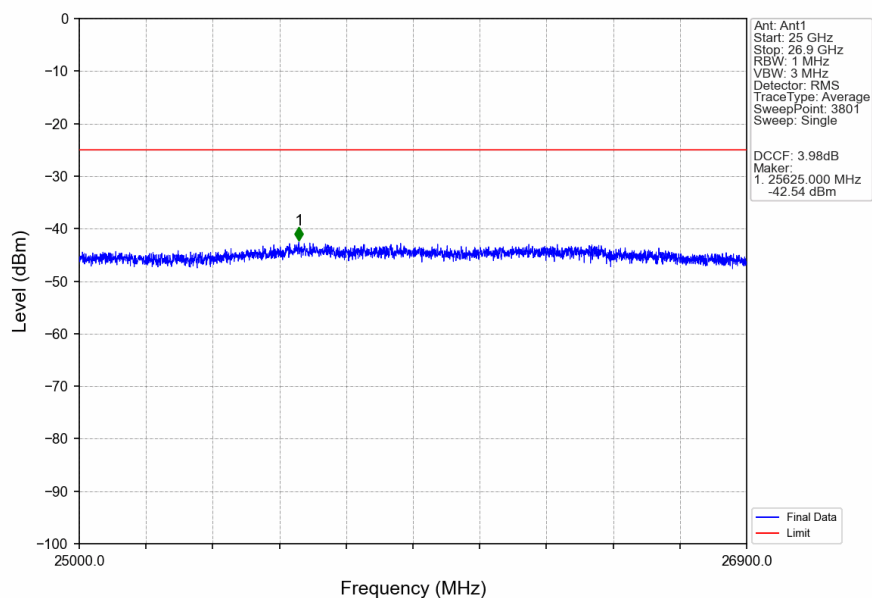
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



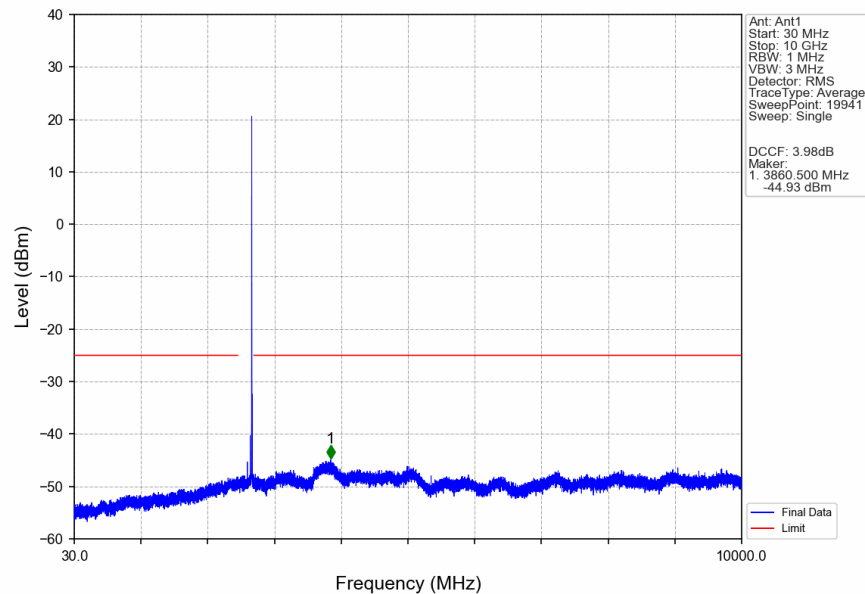
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



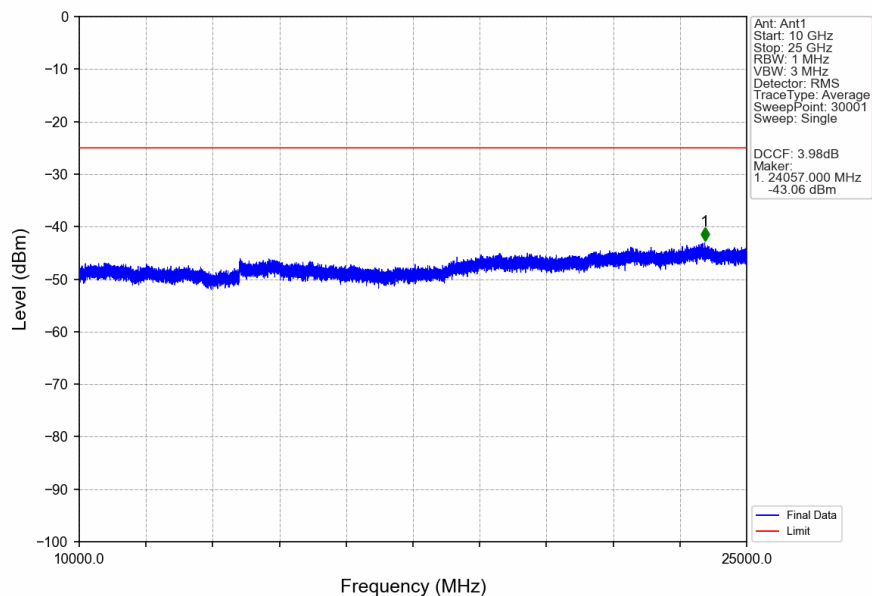
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



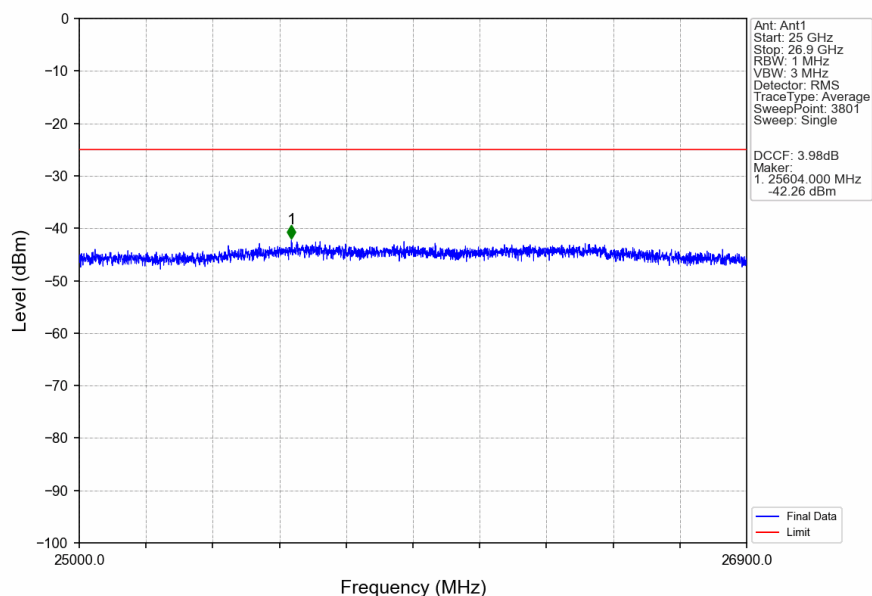
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



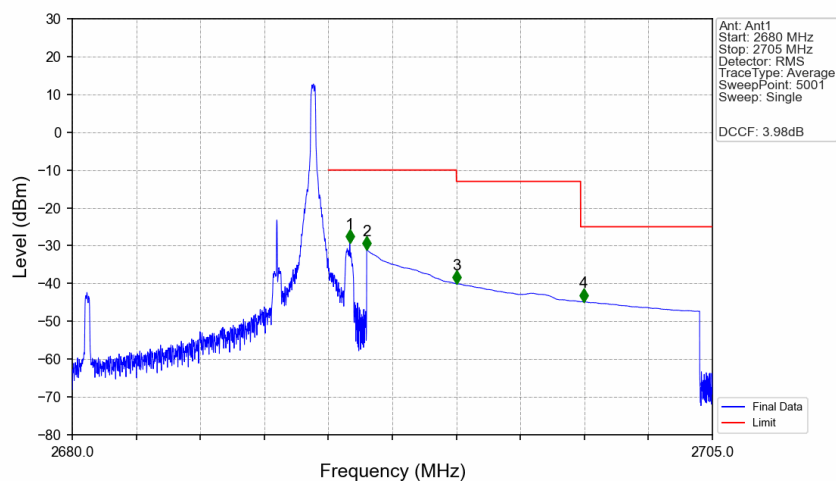
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV

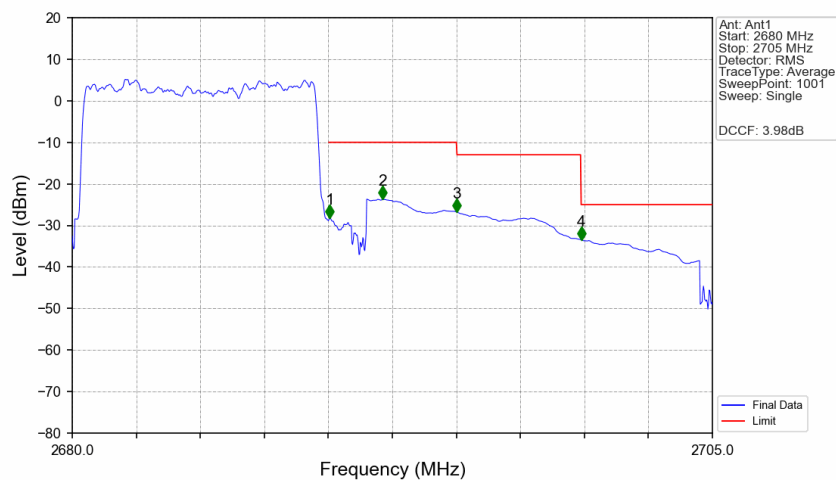


Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



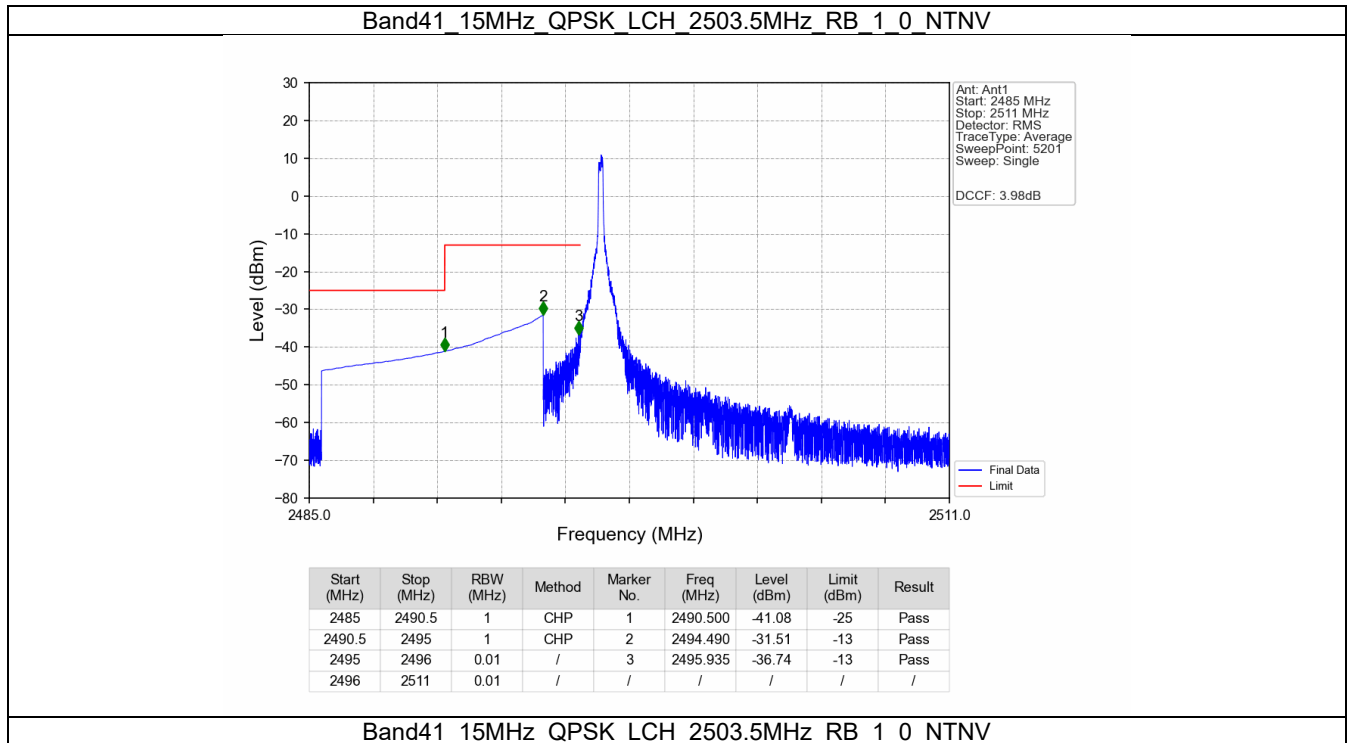
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.835	-29.19	-10	Pass
2691	2695	1	CHP	2	2691.500	-31.06	-10	Pass
2695	2699.854	1	CHP	3	2695.010	-40.05	-13	Pass
2699.854	2705	1	CHP	4	2699.975	-44.78	-25	Pass

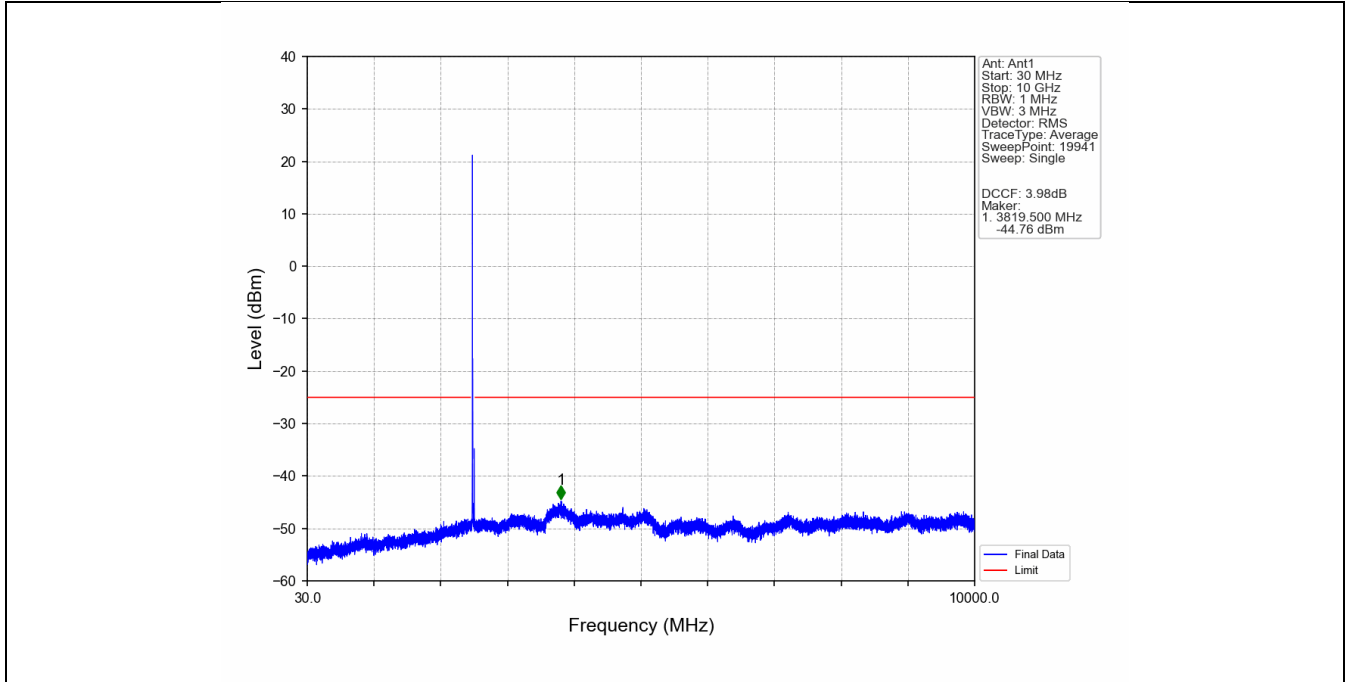
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



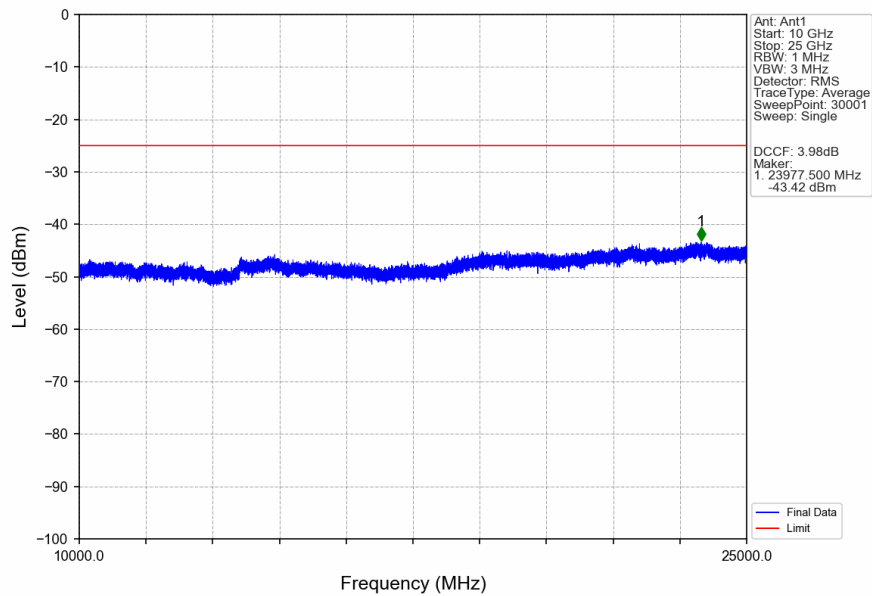
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.197	CHP	/	/	/	/	/
2690	2691	0.197	CHP	1	2690.050	-28.21	-10	Pass
2691	2695	1	CHP	2	2692.125	-23.69	-10	Pass
2695	2699.854	1	CHP	3	2695.025	-26.82	-13	Pass
2699.854	2705	1	CHP	4	2699.875	-33.48	-25	Pass

5.2.3 B41_15MHz

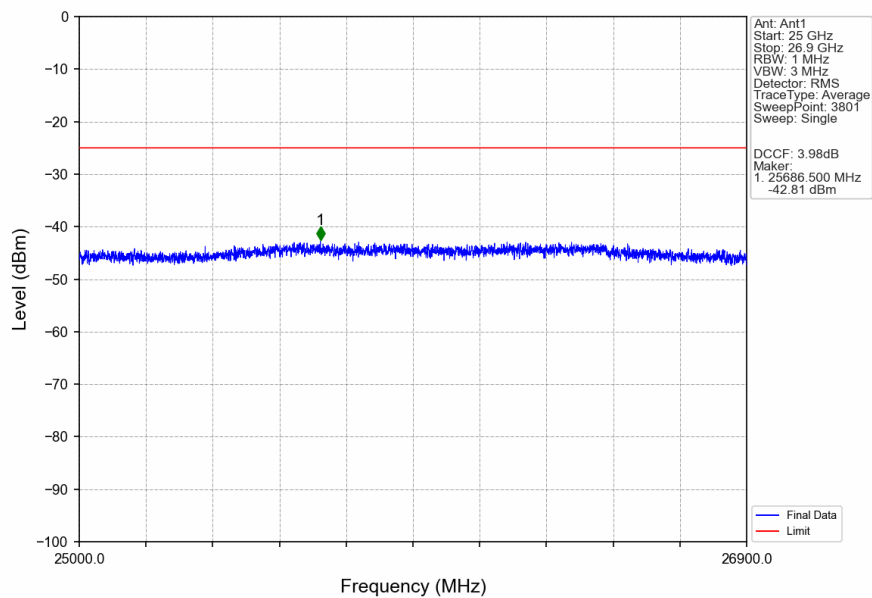




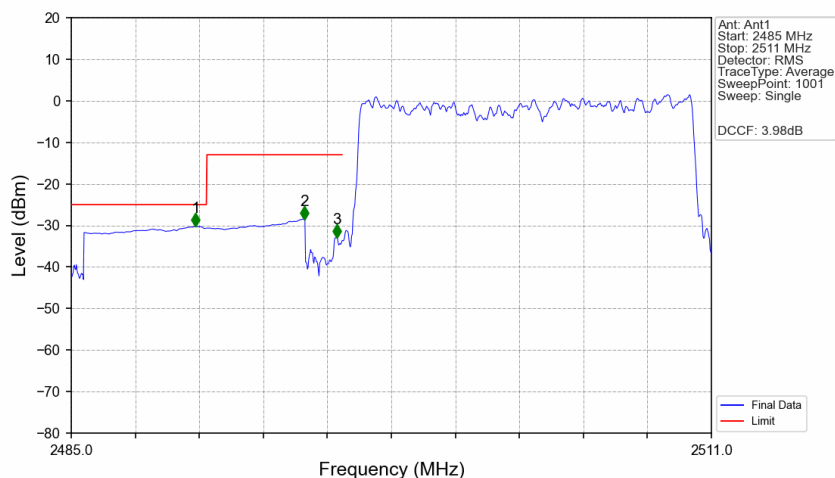
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

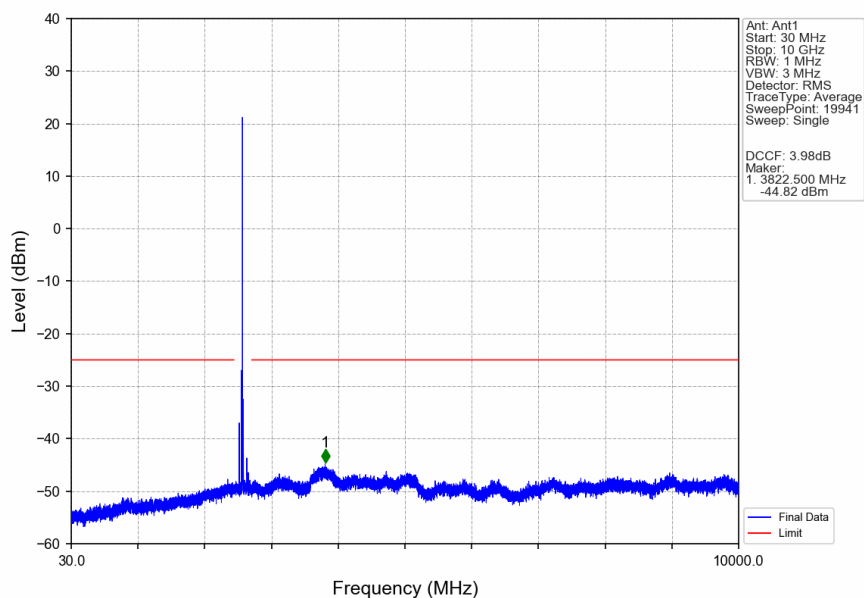


Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV

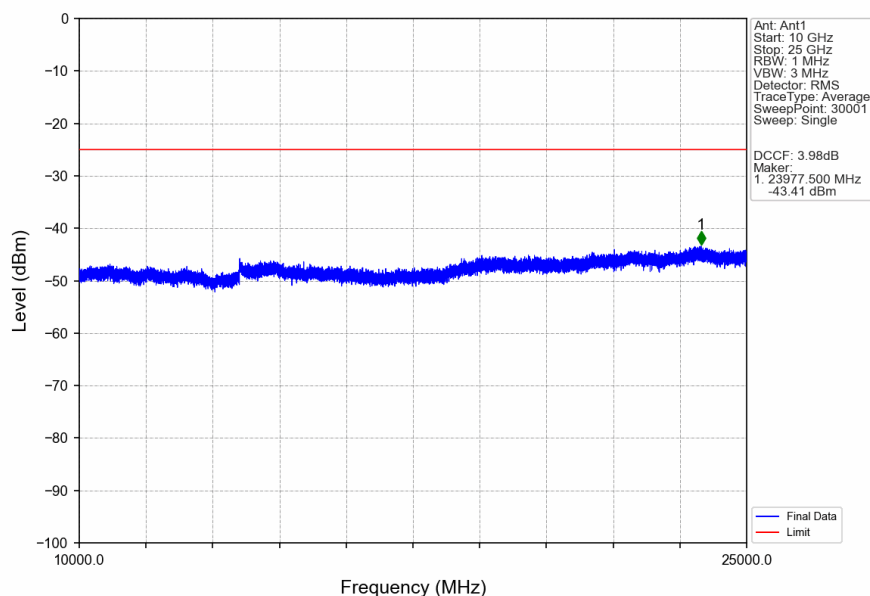


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.044	-30.24	-25	Pass
2490.5	2495	1	CHP	2	2494.464	-28.50	-13	Pass
2495	2496	0.15	CHP	3	2495.790	-32.97	-13	Pass
2496	2511	0.15	CHP	/	/	/	/	/

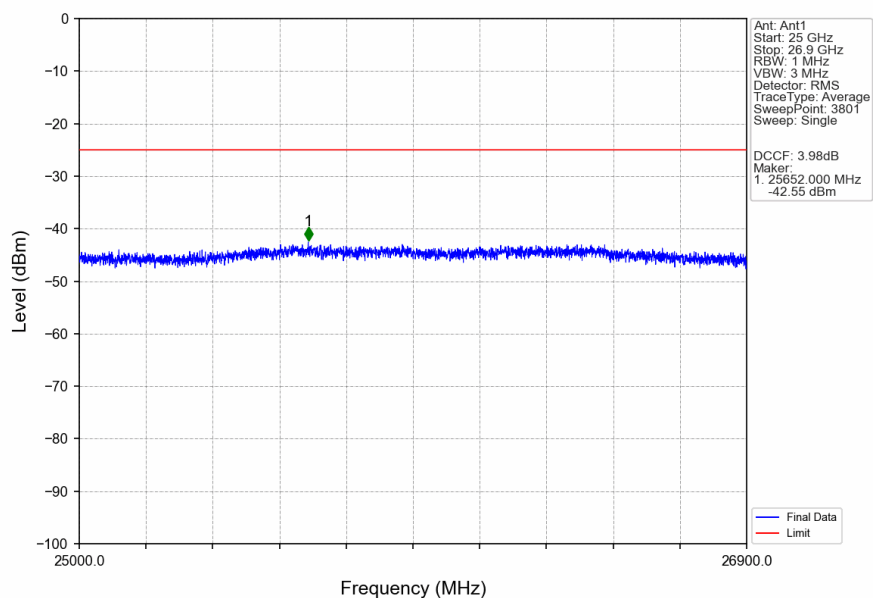
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



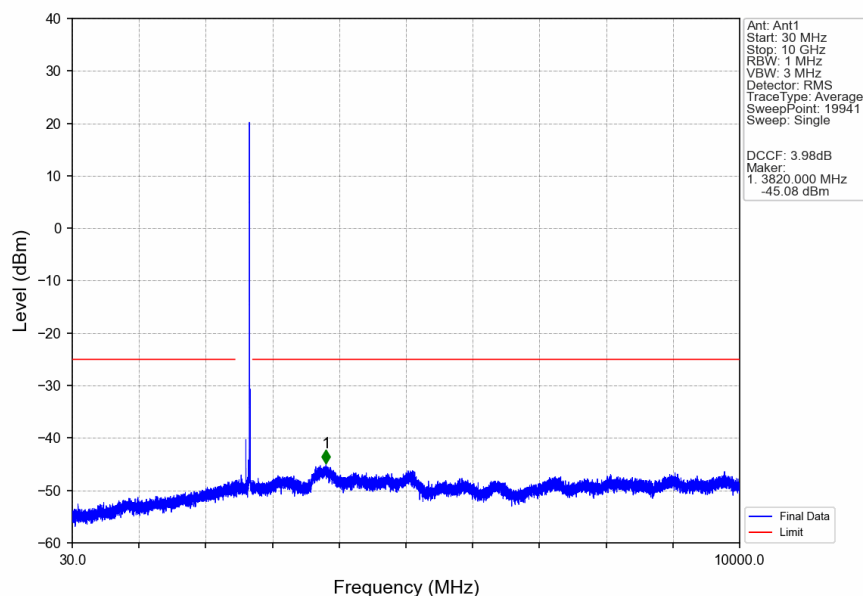
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



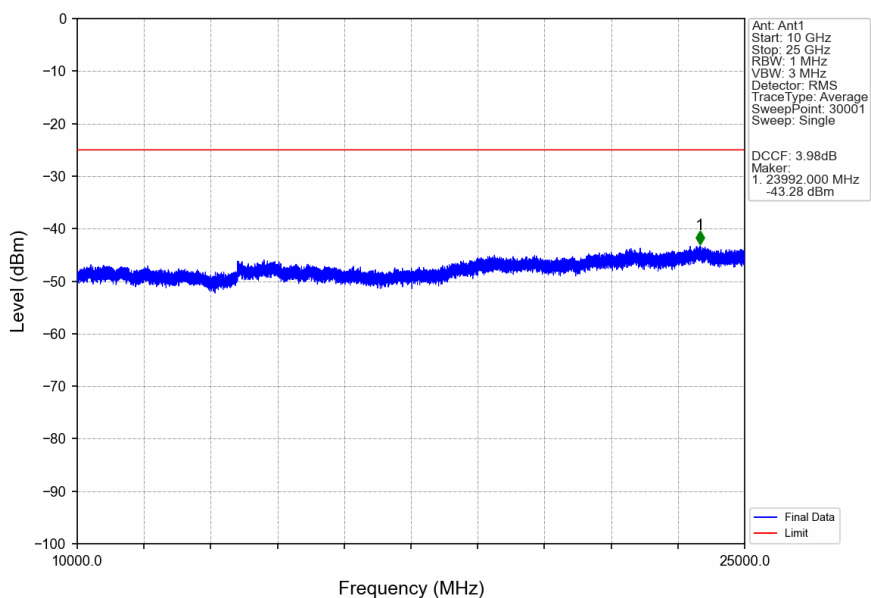
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



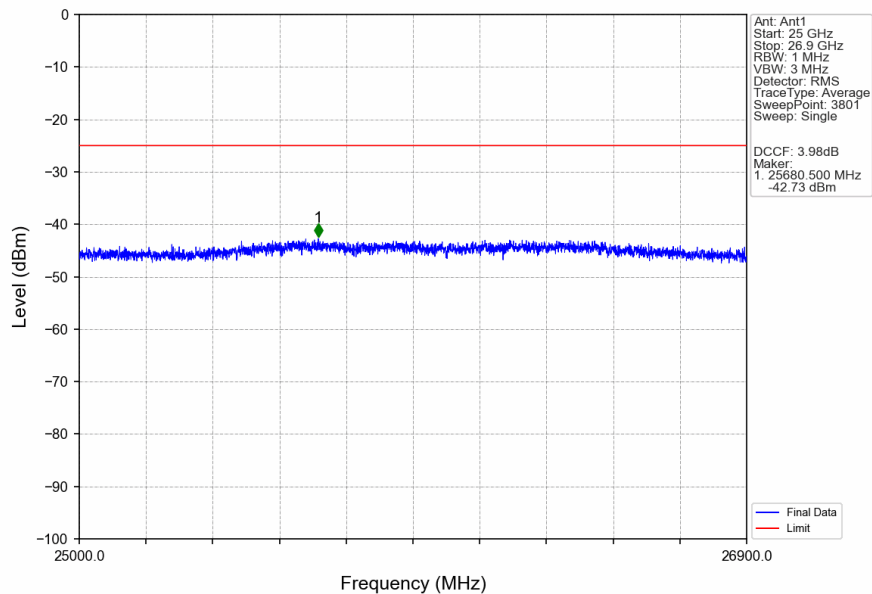
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



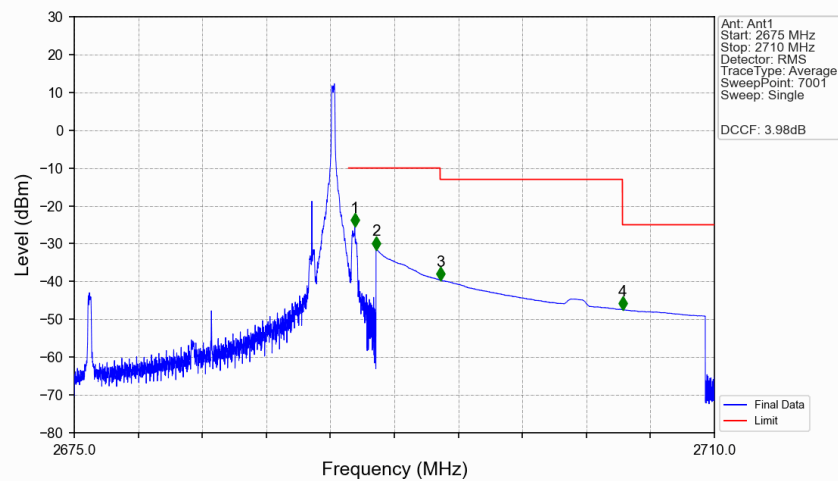
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



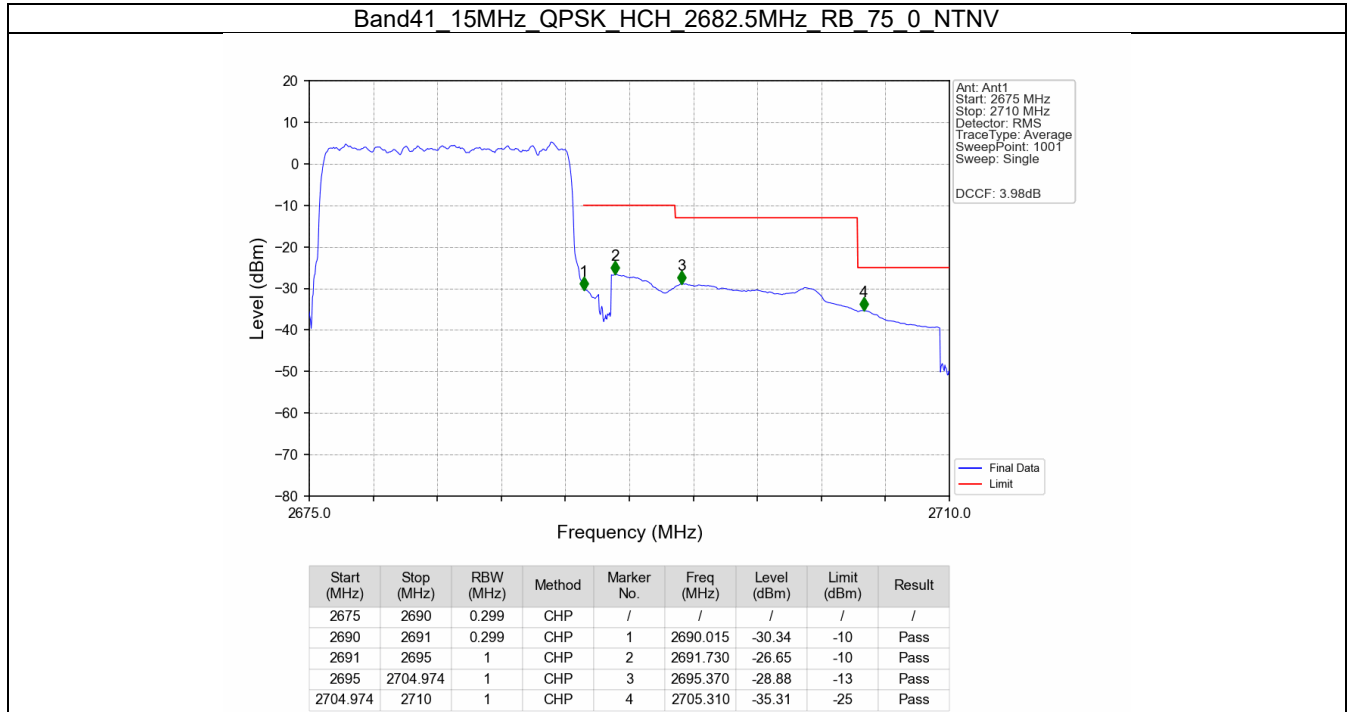
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



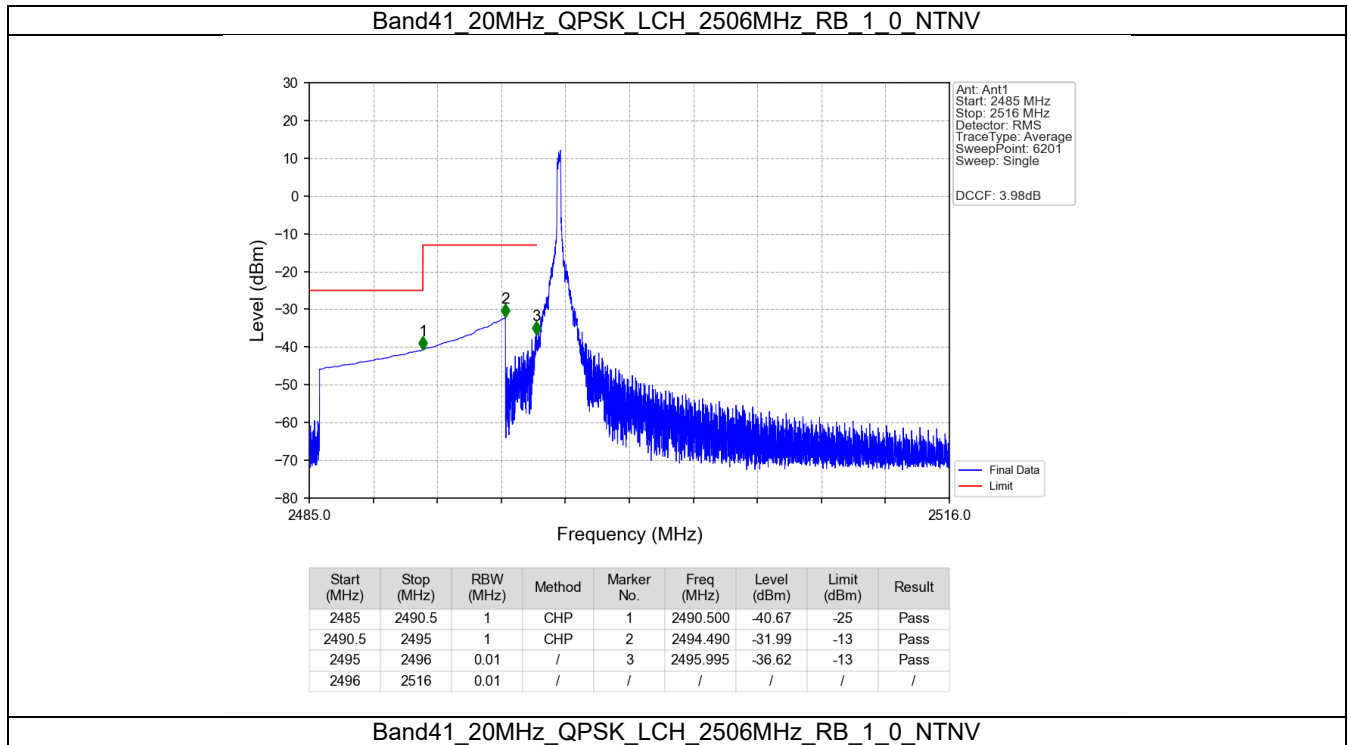
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV

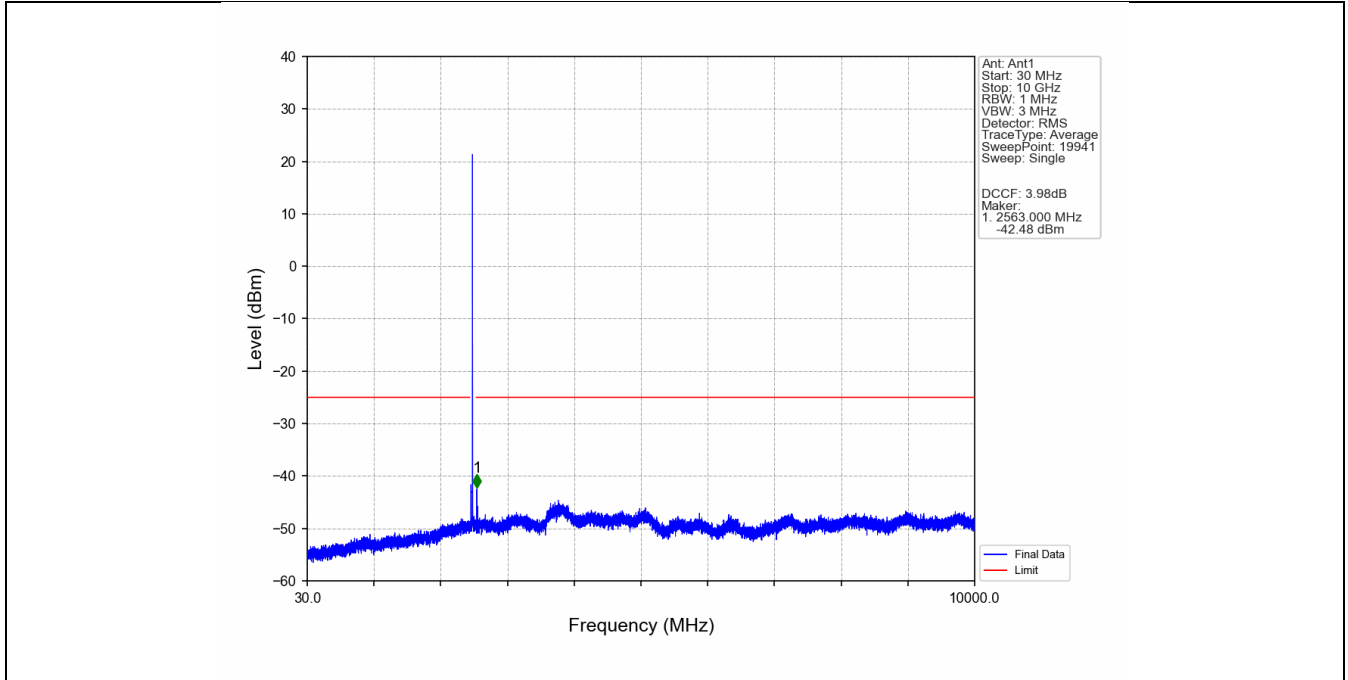


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.340	-25.48	-10	Pass
2691	2695	1	CHP	2	2691.515	-31.55	-10	Pass
2695	2704.974	1	CHP	3	2695.005	-39.60	-13	Pass
2704.974	2710	1	CHP	4	2704.985	-47.42	-25	Pass

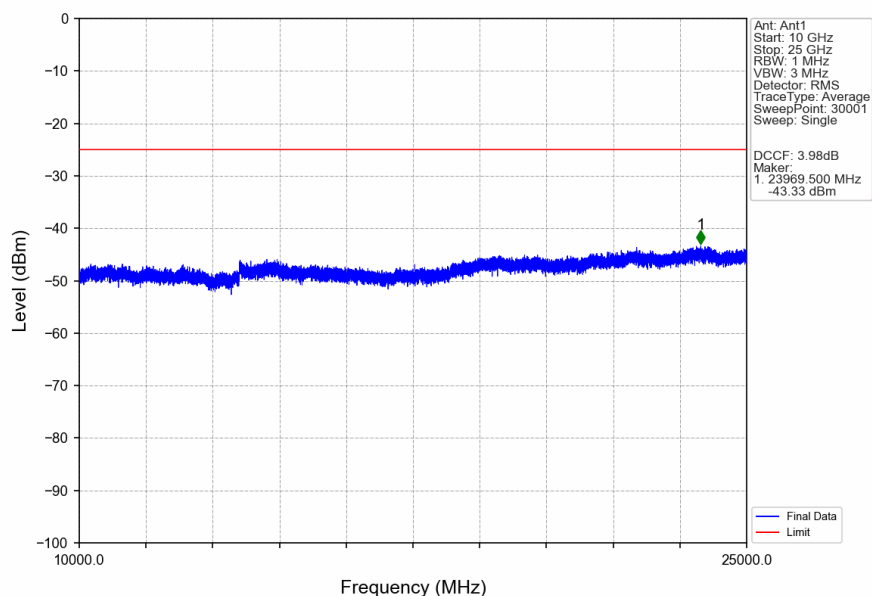


5.2.4 B41_20MHz

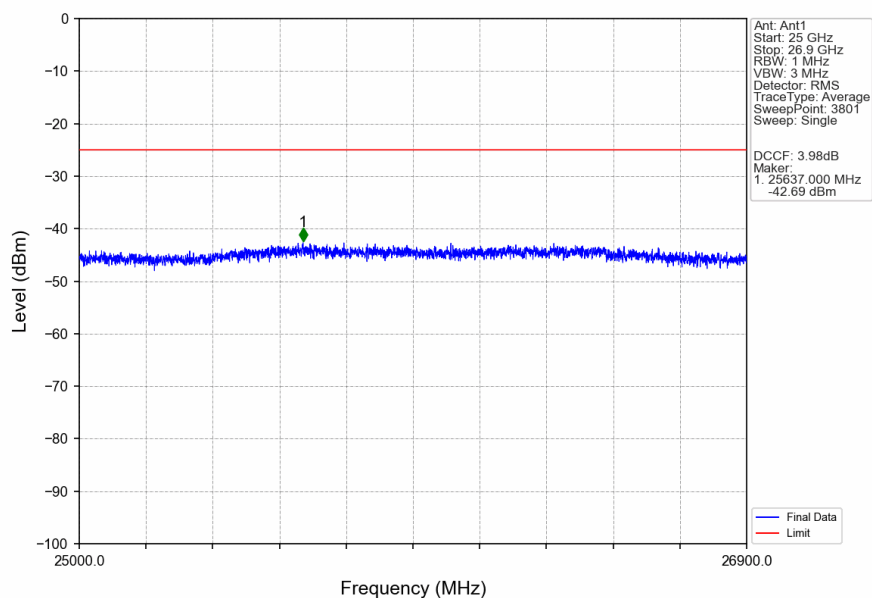




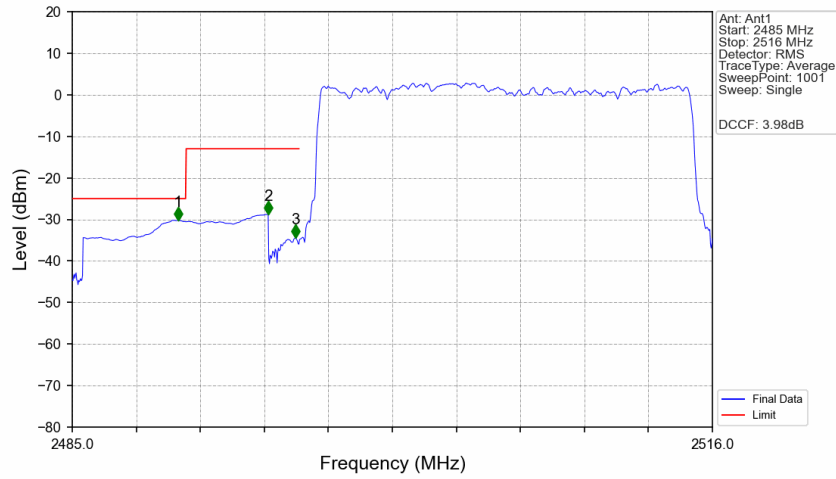
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

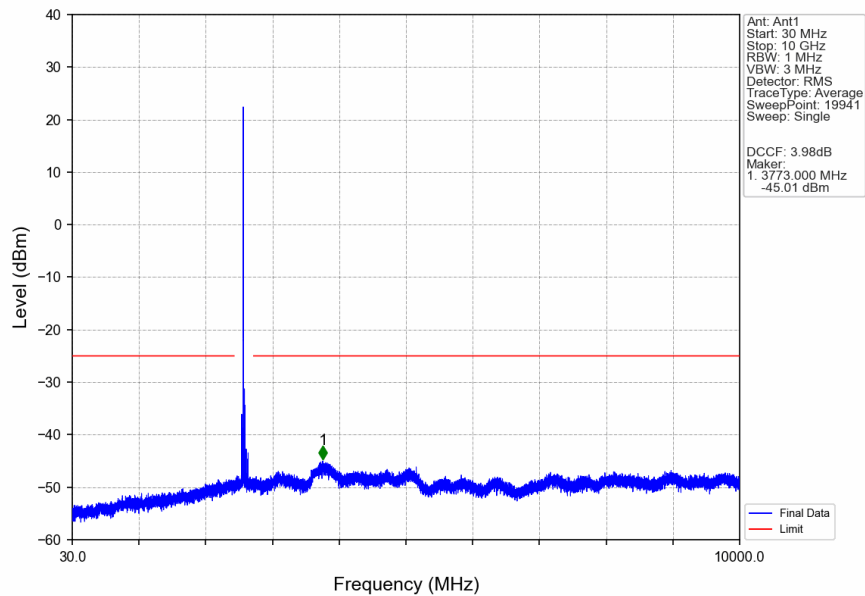


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

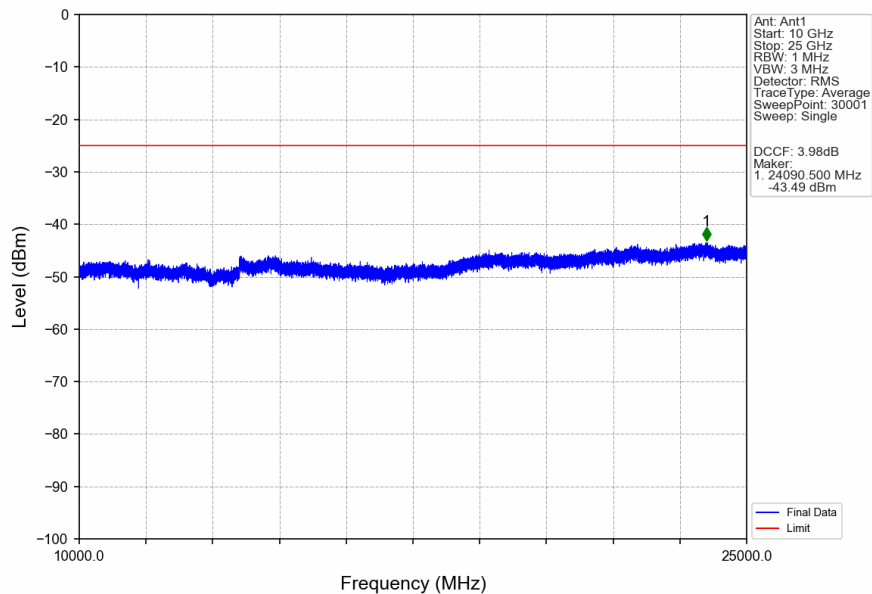


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.115	-30.20	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-28.76	-13	Pass
2495	2496	0.197	CHP	3	2495.819	-34.49	-13	Pass
2496	2516	0.197	CHP	/	/	/	/	/

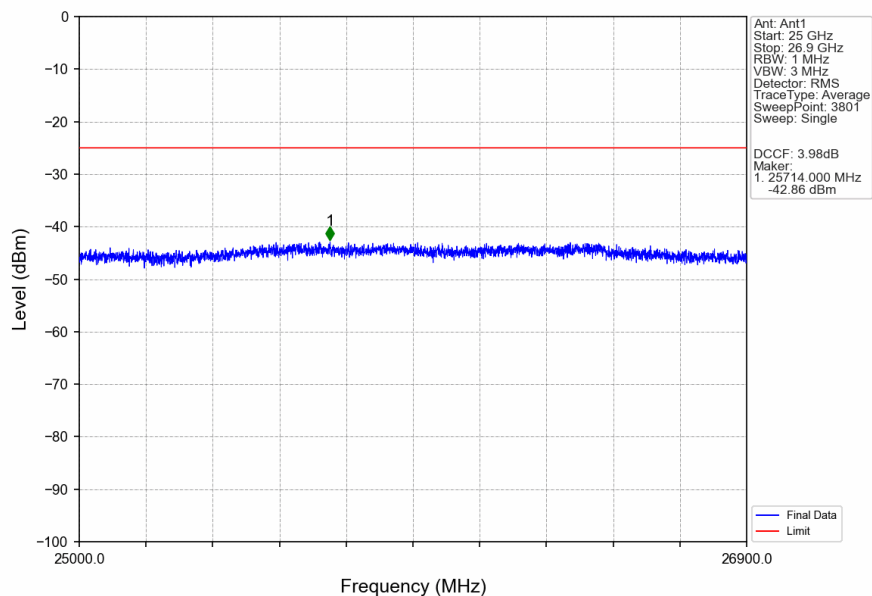
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



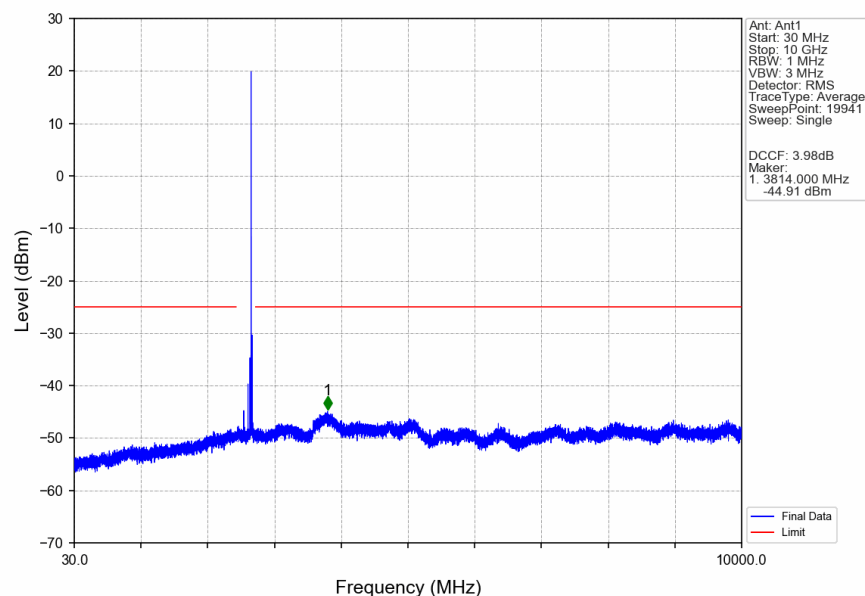
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



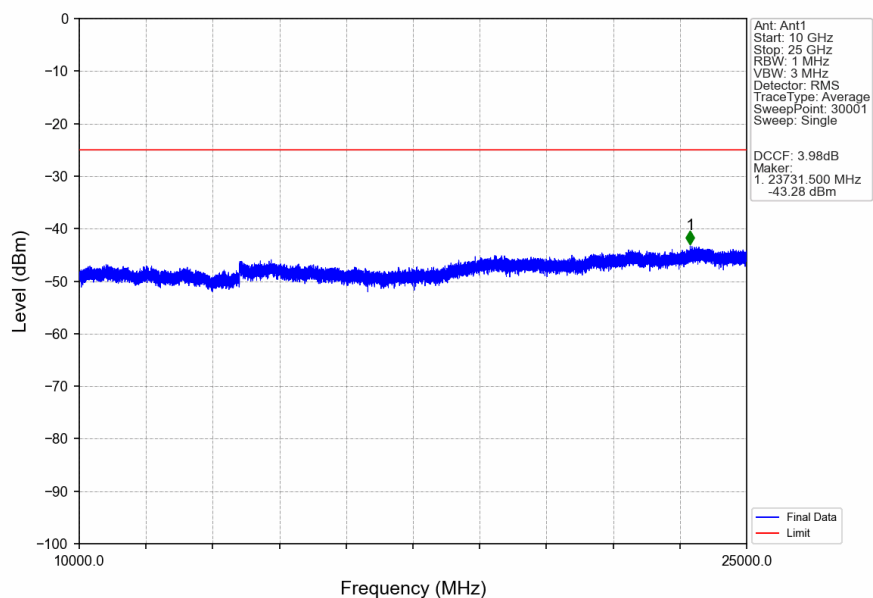
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



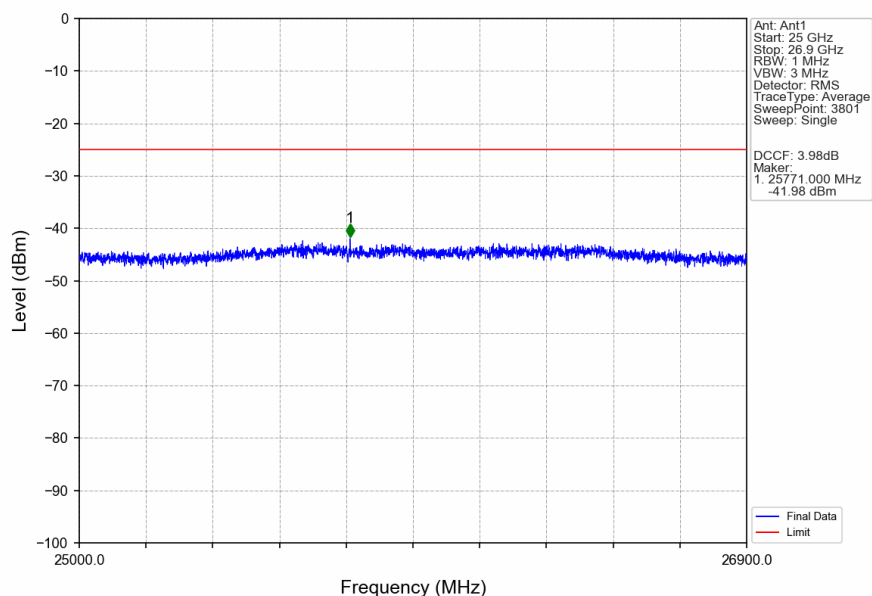
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



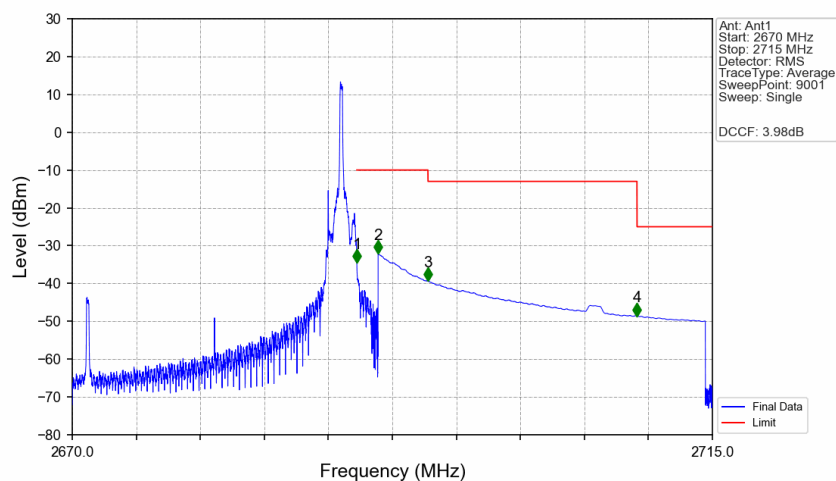
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV

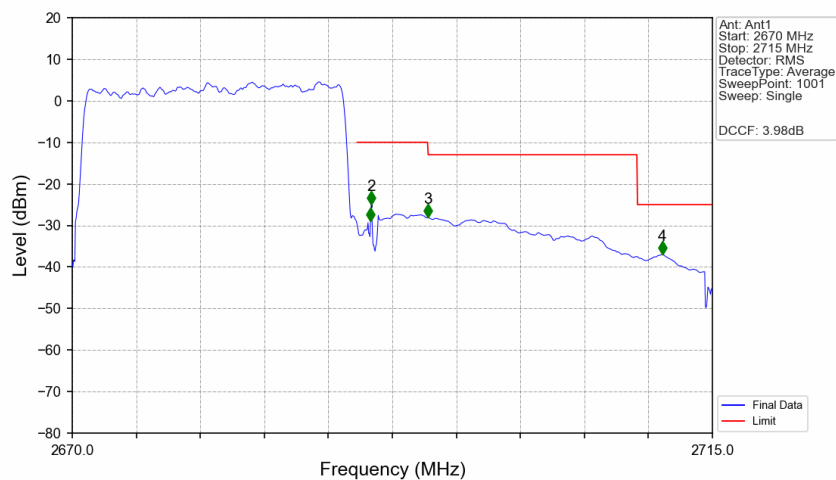


Band41_20MHz_QPSK_HCH_2680MHz_RB_1_99_NTNV



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	2690.005	-34.38	-10	Pass
2691	2695	1	CHP	2	2691.500	-32.11	-10	Pass
2695	2709.698	1	CHP	3	2695.005	-39.28	-13	Pass
2709.698	2715	1	CHP	4	2709.700	-48.58	-25	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	0.394	CHP	/	/	/	/	/
2690	2691	0.394	CHP	1	2690.970	-28.95	-10	Pass
2691	2695	1	CHP	2	2691.015	-24.91	-10	Pass
2695	2709.698	1	CHP	3	2695.020	-28.11	-13	Pass
2709.698	2715	1	CHP	4	2711.490	-37.01	-25	Pass

---End of Attachment---