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	24.85	0.00	24.85	<=33.01	Pass
			13	24.94	0.00	24.94	<=33.01	Pass
			24	24.48	0.00	24.48	<=33.01	Pass
		12	0	24.00	0.00	24.00	<=33.01	Pass
			6	23.91	0.00	23.91	<=33.01	Pass
			13	23.94	0.00	23.94	<=33.01	Pass
		25	0	23.90	0.00	23.90	<=33.01	Pass
	2593	1	0	25.06	0.00	25.06	<=33.01	Pass
			13	25.25	0.00	25.25	<=33.01	Pass
			24	25.05	0.00	25.05	<=33.01	Pass
		12	0	24.07	0.00	24.07	<=33.01	Pass
			6	24.10	0.00	24.10	<=33.01	Pass
			13	24.02	0.00	24.02	<=33.01	Pass
		25	0	24.07	0.00	24.07	<=33.01	Pass
	2687.5	1	0	24.84	0.00	24.84	<=33.01	Pass
			13	24.67	0.00	24.67	<=33.01	Pass
			24	24.44	0.00	24.44	<=33.01	Pass
		12	0	23.78	0.00	23.78	<=33.01	Pass
			6	23.75	0.00	23.75	<=33.01	Pass
			13	23.68	0.00	23.68	<=33.01	Pass
		25	0	23.72	0.00	23.72	<=33.01	Pass
16QAM	2498.5	1	0	23.88	0.00	23.88	<=33.01	Pass
			13	24.32	0.00	24.32	<=33.01	Pass
			24	24.08	0.00	24.08	<=33.01	Pass
		12	0	23.12	0.00	23.12	<=33.01	Pass
			6	22.98	0.00	22.98	<=33.01	Pass
			13	22.85	0.00	22.85	<=33.01	Pass
		25	0	22.98	0.00	22.98	<=33.01	Pass
	2593	1	0	24.02	0.00	24.02	<=33.01	Pass
			13	23.87	0.00	23.87	<=33.01	Pass
			24	24.34	0.00	24.34	<=33.01	Pass
		12	0	23.06	0.00	23.06	<=33.01	Pass
			6	23.10	0.00	23.10	<=33.01	Pass
			13	23.08	0.00	23.08	<=33.01	Pass
		25	0	23.07	0.00	23.07	<=33.01	Pass
	2687.5	1	0	23.70	0.00	23.70	<=33.01	Pass
			13	23.74	0.00	23.74	<=33.01	Pass
			24	23.74	0.00	23.74	<=33.01	Pass
		12	0	22.93	0.00	22.93	<=33.01	Pass
			6	22.84	0.00	22.84	<=33.01	Pass
			13	22.77	0.00	22.77	<=33.01	Pass
		25	0	22.81	0.00	22.81	<=33.01	Pass
64QAM	2498.5	1	0	23.81	0.00	23.81	<=33.01	Pass
			13	23.90	0.00	23.90	<=33.01	Pass
			24	23.94	0.00	23.94	<=33.01	Pass
		12	0	23.02	0.00	23.02	<=33.01	Pass
			6	22.96	0.00	22.96	<=33.01	Pass

			13	22.93	0.00	22.93	<=33.01	Pass
		25	0	22.99	0.00	22.99	<=33.01	Pass
	2593	1	0	23.94	0.00	23.94	<=33.01	Pass
			13	23.94	0.00	23.94	<=33.01	Pass
			24	23.54	0.00	23.54	<=33.01	Pass
		12	0	23.09	0.00	23.09	<=33.01	Pass
			6	23.07	0.00	23.07	<=33.01	Pass
			13	23.10	0.00	23.10	<=33.01	Pass
		25	0	23.08	0.00	23.08	<=33.01	Pass
	2687.5	1	0	23.85	0.00	23.85	<=33.01	Pass
			13	23.72	0.00	23.72	<=33.01	Pass
			24	23.59	0.00	23.59	<=33.01	Pass
		12	0	22.79	0.00	22.79	<=33.01	Pass
			6	22.74	0.00	22.74	<=33.01	Pass
			13	22.81	0.00	22.81	<=33.01	Pass
		25	0	9.43	0.00	9.43	<=33.01	Pass
256QAM	2498.5	1	0	20.07	0.00	20.07	<=33.01	Pass
			13	20.20	0.00	20.20	<=33.01	Pass
			24	19.86	0.00	19.86	<=33.01	Pass
		12	0	20.01	0.00	20.01	<=33.01	Pass
			6	20.01	0.00	20.01	<=33.01	Pass
			13	19.93	0.00	19.93	<=33.01	Pass
		25	0	19.93	0.00	19.93	<=33.01	Pass
	2593	1	0	20.14	0.00	20.14	<=33.01	Pass
			13	20.23	0.00	20.23	<=33.01	Pass
			24	20.18	0.00	20.18	<=33.01	Pass
		12	0	20.05	0.00	20.05	<=33.01	Pass
			6	20.12	0.00	20.12	<=33.01	Pass
			13	20.00	0.00	20.00	<=33.01	Pass
		25	0	20.09	0.00	20.09	<=33.01	Pass
	2687.5	1	0	17.44	0.00	17.44	<=33.01	Pass
			13	9.51	0.00	9.51	<=33.01	Pass
			24	19.66	0.00	19.66	<=33.01	Pass
		12	0	19.85	0.00	19.85	<=33.01	Pass
			6	19.83	0.00	19.83	<=33.01	Pass
			13	19.74	0.00	19.74	<=33.01	Pass
		25	0	19.75	0.00	19.75	<=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	24.18	0.00	24.18	<=33.01	Pass
			25	25.16	0.00	25.16	<=33.01	Pass
			49	25.09	0.00	25.09	<=33.01	Pass
		25	0	23.99	0.00	23.99	<=33.01	Pass
			13	24.08	0.00	24.08	<=33.01	Pass
			25	23.94	0.00	23.94	<=33.01	Pass
		50	0	24.01	0.00	24.01	<=33.01	Pass
	2593	1	0	24.09	0.00	24.09	<=33.01	Pass
			25	25.24	0.00	25.24	<=33.01	Pass
			49	25.15	0.00	25.15	<=33.01	Pass
		25	0	23.98	0.00	23.98	<=33.01	Pass
			13	24.06	0.00	24.06	<=33.01	Pass
			25	24.06	0.00	24.06	<=33.01	Pass
		50	0	24.04	0.00	24.04	<=33.01	Pass

	2685	1	0	23.84	0.00	23.84	<=33.01	Pass
			25	24.50	0.00	24.50	<=33.01	Pass
			49	24.14	0.00	24.14	<=33.01	Pass
		25	0	23.82	0.00	23.82	<=33.01	Pass
			13	23.79	0.00	23.79	<=33.01	Pass
			25	23.78	0.00	23.78	<=33.01	Pass
		50	0	23.79	0.00	23.79	<=33.01	Pass
16QAM	2501	1	0	23.92	0.00	23.92	<=33.01	Pass
			25	24.08	0.00	24.08	<=33.01	Pass
			49	24.04	0.00	24.04	<=33.01	Pass
		25	0	22.79	0.00	22.79	<=33.01	Pass
			13	23.18	0.00	23.18	<=33.01	Pass
			25	22.96	0.00	22.96	<=33.01	Pass
		50	0	23.08	0.00	23.08	<=33.01	Pass
	2593	1	0	23.79	0.00	23.79	<=33.01	Pass
			25	24.21	0.00	24.21	<=33.01	Pass
			49	24.04	0.00	24.04	<=33.01	Pass
		25	0	22.89	0.00	22.89	<=33.01	Pass
			13	23.13	0.00	23.13	<=33.01	Pass
			25	23.07	0.00	23.07	<=33.01	Pass
		50	0	23.08	0.00	23.08	<=33.01	Pass
	2685	1	0	23.84	0.00	23.84	<=33.01	Pass
			25	23.80	0.00	23.80	<=33.01	Pass
			49	23.72	0.00	23.72	<=33.01	Pass
		25	0	22.84	0.00	22.84	<=33.01	Pass
			13	22.80	0.00	22.80	<=33.01	Pass
			25	22.80	0.00	22.80	<=33.01	Pass
		50	0	22.86	0.00	22.86	<=33.01	Pass
64QAM	2501	1	0	23.43	0.00	23.43	<=33.01	Pass
			25	23.91	0.00	23.91	<=33.01	Pass
			49	23.62	0.00	23.62	<=33.01	Pass
		25	0	23.00	0.00	23.00	<=33.01	Pass
			13	23.08	0.00	23.08	<=33.01	Pass
			25	22.94	0.00	22.94	<=33.01	Pass
		50	0	23.07	0.00	23.07	<=33.01	Pass
	2593	1	0	23.78	0.00	23.78	<=33.01	Pass
			25	23.86	0.00	23.86	<=33.01	Pass
			49	23.81	0.00	23.81	<=33.01	Pass
		25	0	22.92	0.00	22.92	<=33.01	Pass
			13	23.12	0.00	23.12	<=33.01	Pass
			25	23.08	0.00	23.08	<=33.01	Pass
		50	0	23.07	0.00	23.07	<=33.01	Pass
	2685	1	0	23.28	0.00	23.28	<=33.01	Pass
			25	23.65	0.00	23.65	<=33.01	Pass
			49	23.46	0.00	23.46	<=33.01	Pass
		25	0	22.82	0.00	22.82	<=33.01	Pass
			13	22.84	0.00	22.84	<=33.01	Pass
			25	22.72	0.00	22.72	<=33.01	Pass
		50	0	22.79	0.00	22.79	<=33.01	Pass
256QAM	2501	1	0	20.13	0.00	20.13	<=33.01	Pass
			25	20.05	0.00	20.05	<=33.01	Pass
			49	20.14	0.00	20.14	<=33.01	Pass
		25	0	20.04	0.00	20.04	<=33.01	Pass
			13	20.07	0.00	20.07	<=33.01	Pass
			25	19.97	0.00	19.97	<=33.01	Pass
		50	0	20.04	0.00	20.04	<=33.01	Pass
	2593	1	0	20.15	0.00	20.15	<=33.01	Pass
			25	20.16	0.00	20.16	<=33.01	Pass
			49	20.10	0.00	20.10	<=33.01	Pass

		25	0	20.12	0.00	20.12	<=33.01	Pass
			13	20.13	0.00	20.13	<=33.01	Pass
			25	20.07	0.00	20.07	<=33.01	Pass
		50	0	20.12	0.00	20.12	<=33.01	Pass
	2685	1	0	19.73	0.00	19.73	<=33.01	Pass
			25	19.96	0.00	19.96	<=33.01	Pass
			49	19.88	0.00	19.88	<=33.01	Pass
		25	0	19.87	0.00	19.87	<=33.01	Pass
			13	19.87	0.00	19.87	<=33.01	Pass
			25	19.86	0.00	19.86	<=33.01	Pass
		50	0	19.79	0.00	19.79	<=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	23.07	0.00	23.07	<=33.01	Pass
			38	24.85	0.00	24.85	<=33.01	Pass
			74	24.93	0.00	24.93	<=33.01	Pass
		36	0	23.98	0.00	23.98	<=33.01	Pass
			18	23.96	0.00	23.96	<=33.01	Pass
			39	23.94	0.00	23.94	<=33.01	Pass
		75	0	23.95	0.00	23.95	<=33.01	Pass
	2593	1	0	23.17	0.00	23.17	<=33.01	Pass
			38	24.97	0.00	24.97	<=33.01	Pass
			74	25.08	0.00	25.08	<=33.01	Pass
		36	0	24.01	0.00	24.01	<=33.01	Pass
			18	24.06	0.00	24.06	<=33.01	Pass
			39	24.05	0.00	24.05	<=33.01	Pass
		75	0	24.01	0.00	24.01	<=33.01	Pass
	2682.5	1	0	23.65	0.00	23.65	<=33.01	Pass
			38	24.65	0.00	24.65	<=33.01	Pass
			74	24.67	0.00	24.67	<=33.01	Pass
		36	0	23.77	0.00	23.77	<=33.01	Pass
			18	23.84	0.00	23.84	<=33.01	Pass
			39	23.73	0.00	23.73	<=33.01	Pass
		75	0	23.79	0.00	23.79	<=33.01	Pass
16QAM	2503.5	1	0	23.19	0.00	23.19	<=33.01	Pass
			38	23.92	0.00	23.92	<=33.01	Pass
			74	23.78	0.00	23.78	<=33.01	Pass
		36	0	22.95	0.00	22.95	<=33.01	Pass
			18	23.00	0.00	23.00	<=33.01	Pass
			39	22.99	0.00	22.99	<=33.01	Pass
		75	0	22.99	0.00	22.99	<=33.01	Pass
	2593	1	0	23.16	0.00	23.16	<=33.01	Pass
			38	24.34	0.00	24.34	<=33.01	Pass
			74	24.14	0.00	24.14	<=33.01	Pass
		36	0	23.01	0.00	23.01	<=33.01	Pass
			18	23.05	0.00	23.05	<=33.01	Pass
			39	23.12	0.00	23.12	<=33.01	Pass
		75	0	23.04	0.00	23.04	<=33.01	Pass
	2682.5	1	0	23.08	0.00	23.08	<=33.01	Pass
			38	23.67	0.00	23.67	<=33.01	Pass
			74	23.62	0.00	23.62	<=33.01	Pass
		36	0	22.73	0.00	22.73	<=33.01	Pass
			18	22.91	0.00	22.91	<=33.01	Pass

			39	22.80	0.00	22.80	<=33.01	Pass
		75	0	22.81	0.00	22.81	<=33.01	Pass
64QAM	2503.5	1	0	22.98	0.00	22.98	<=33.01	Pass
			38	23.89	0.00	23.89	<=33.01	Pass
			74	23.56	0.00	23.56	<=33.01	Pass
		36	0	23.05	0.00	23.05	<=33.01	Pass
			18	22.99	0.00	22.99	<=33.01	Pass
			39	22.98	0.00	22.98	<=33.01	Pass
		75	0	22.93	0.00	22.93	<=33.01	Pass
	2593	1	0	23.15	0.00	23.15	<=33.01	Pass
			38	23.77	0.00	23.77	<=33.01	Pass
			74	23.88	0.00	23.88	<=33.01	Pass
		36	0	22.85	0.00	22.85	<=33.01	Pass
			18	23.11	0.00	23.11	<=33.01	Pass
			39	23.03	0.00	23.03	<=33.01	Pass
		75	0	23.04	0.00	23.04	<=33.01	Pass
	2682.5	1	0	23.25	0.00	23.25	<=33.01	Pass
			38	23.84	0.00	23.84	<=33.01	Pass
			74	23.45	0.00	23.45	<=33.01	Pass
		36	0	22.70	0.00	22.70	<=33.01	Pass
			18	22.86	0.00	22.86	<=33.01	Pass
			39	22.78	0.00	22.78	<=33.01	Pass
		75	0	22.79	0.00	22.79	<=33.01	Pass
256QAM	2503.5	1	0	19.81	0.00	19.81	<=33.01	Pass
			38	20.04	0.00	20.04	<=33.01	Pass
			74	19.83	0.00	19.83	<=33.01	Pass
		36	0	20.06	0.00	20.06	<=33.01	Pass
			18	19.97	0.00	19.97	<=33.01	Pass
			39	19.95	0.00	19.95	<=33.01	Pass
		75	0	19.94	0.00	19.94	<=33.01	Pass
	2593	1	0	19.58	0.00	19.58	<=33.01	Pass
			38	19.92	0.00	19.92	<=33.01	Pass
			74	20.14	0.00	20.14	<=33.01	Pass
		36	0	20.08	0.00	20.08	<=33.01	Pass
			18	20.07	0.00	20.07	<=33.01	Pass
			39	20.07	0.00	20.07	<=33.01	Pass
		75	0	20.06	0.00	20.06	<=33.01	Pass
	2682.5	1	0	20.11	0.00	20.11	<=33.01	Pass
			38	19.96	0.00	19.96	<=33.01	Pass
			74	19.76	0.00	19.76	<=33.01	Pass
		36	0	19.77	0.00	19.77	<=33.01	Pass
			18	19.91	0.00	19.91	<=33.01	Pass
			39	19.78	0.00	19.78	<=33.01	Pass
		75	0	19.82	0.00	19.82	<=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	23.05	0.00	23.05	<=33.01	Pass
			50	25.02	0.00	25.02	<=33.01	Pass
			99	25.18	0.00	25.18	<=33.01	Pass
		50	0	24.05	0.00	24.05	<=33.01	Pass
			25	24.03	0.00	24.03	<=33.01	Pass
			50	23.98	0.00	23.98	<=33.01	Pass
		100	0	23.70	0.00	23.70	<=33.01	Pass

	2593	1	0	22.79	0.00	22.79	<=33.01	Pass
			50	25.09	0.00	25.09	<=33.01	Pass
			99	24.95	0.00	24.95	<=33.01	Pass
		50	0	24.01	0.00	24.01	<=33.01	Pass
			25	24.05	0.00	24.05	<=33.01	Pass
			50	24.07	0.00	24.07	<=33.01	Pass
		100	0	23.70	0.00	23.70	<=33.01	Pass
	2680	1	0	22.77	0.00	22.77	<=33.01	Pass
			50	24.28	0.00	24.28	<=33.01	Pass
			99	24.56	0.00	24.56	<=33.01	Pass
		50	0	23.82	0.00	23.82	<=33.01	Pass
			25	23.80	0.00	23.80	<=33.01	Pass
			50	23.75	0.00	23.75	<=33.01	Pass
		100	0	23.79	0.00	23.79	<=33.01	Pass
16QAM	2506	1	0	22.51	0.00	22.51	<=33.01	Pass
			50	24.03	0.00	24.03	<=33.01	Pass
			99	24.16	0.00	24.16	<=33.01	Pass
		50	0	23.07	0.00	23.07	<=33.01	Pass
			25	23.08	0.00	23.08	<=33.01	Pass
			50	22.96	0.00	22.96	<=33.01	Pass
		100	0	22.90	0.00	22.90	<=33.01	Pass
	2593	1	0	22.78	0.00	22.78	<=33.01	Pass
			50	23.76	0.00	23.76	<=33.01	Pass
			99	23.98	0.00	23.98	<=33.01	Pass
		50	0	23.07	0.00	23.07	<=33.01	Pass
			25	23.09	0.00	23.09	<=33.01	Pass
			50	23.07	0.00	23.07	<=33.01	Pass
		100	0	22.89	0.00	22.89	<=33.01	Pass
	2680	1	0	22.50	0.00	22.50	<=33.01	Pass
			50	23.97	0.00	23.97	<=33.01	Pass
			99	23.71	0.00	23.71	<=33.01	Pass
		50	0	22.87	0.00	22.87	<=33.01	Pass
			25	22.81	0.00	22.81	<=33.01	Pass
			50	22.77	0.00	22.77	<=33.01	Pass
		100	0	22.78	0.00	22.78	<=33.01	Pass
64QAM	2506	1	0	22.24	0.00	22.24	<=33.01	Pass
			50	23.93	0.00	23.93	<=33.01	Pass
			99	23.83	0.00	23.83	<=33.01	Pass
		50	0	23.05	0.00	23.05	<=33.01	Pass
			25	22.97	0.00	22.97	<=33.01	Pass
			50	22.95	0.00	22.95	<=33.01	Pass
		100	0	22.82	0.00	22.82	<=33.01	Pass
	2593	1	0	22.26	0.00	22.26	<=33.01	Pass
			50	23.29	0.00	23.29	<=33.01	Pass
			99	22.79	0.00	22.79	<=33.01	Pass
		50	0	21.99	0.00	21.99	<=33.01	Pass
			25	22.07	0.00	22.07	<=33.01	Pass
			50	22.12	0.00	22.12	<=33.01	Pass
		100	0	22.07	0.00	22.07	<=33.01	Pass
	2680	1	0	22.61	0.00	22.61	<=33.01	Pass
			50	23.01	0.00	23.01	<=33.01	Pass
			99	22.68	0.00	22.68	<=33.01	Pass
		50	0	21.81	0.00	21.81	<=33.01	Pass
			25	21.71	0.00	21.71	<=33.01	Pass
			50	21.77	0.00	21.77	<=33.01	Pass
		100	0	21.75	0.00	21.75	<=33.01	Pass
256QAM	2506	1	0	19.95	0.00	19.95	<=33.01	Pass
			50	20.16	0.00	20.16	<=33.01	Pass
			99	20.07	0.00	20.07	<=33.01	Pass

		50	0	20.09	0.00	20.09	<=33.01	Pass
			25	20.09	0.00	20.09	<=33.01	Pass
			50	19.95	0.00	19.95	<=33.01	Pass
		100	0	20.03	0.00	20.03	<=33.01	Pass
	2593	1	0	19.71	0.00	19.71	<=33.01	Pass
			50	20.26	0.00	20.26	<=33.01	Pass
			99	20.13	0.00	20.13	<=33.01	Pass
		50	0	20.08	0.00	20.08	<=33.01	Pass
			25	20.08	0.00	20.08	<=33.01	Pass
			50	20.05	0.00	20.05	<=33.01	Pass
		100	0	20.13	0.00	20.13	<=33.01	Pass
	2680	1	0	19.54	0.00	19.54	<=33.01	Pass
			50	20.03	0.00	20.03	<=33.01	Pass
			99	19.54	0.00	19.54	<=33.01	Pass
		50	0	19.82	0.00	19.82	<=33.01	Pass
			25	19.84	0.00	19.84	<=33.01	Pass
			50	19.78	0.00	19.78	<=33.01	Pass
		100	0	19.79	0.00	19.79	<=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	0.700	0.0003	-2.5 to 2.5	Pass
					4.0	0.500	0.0002	-2.5 to 2.5	Pass
					4.2	-1.700	-0.0007	-2.5 to 2.5	Pass
				-30	4.0	-4.400	-0.0017	-2.5 to 2.5	Pass
				-20	4.0	-2.000	-0.0008	-2.5 to 2.5	Pass
				-10	4.0	-0.400	-0.0002	-2.5 to 2.5	Pass
				0	4.0	-2.700	-0.0010	-2.5 to 2.5	Pass
				10	4.0	-0.600	-0.0002	-2.5 to 2.5	Pass
				30	4.0	-1.100	-0.0004	-2.5 to 2.5	Pass
				40	4.0	-1.500	-0.0006	-2.5 to 2.5	Pass
				50	4.0	1.100	0.0004	-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	4.558	/	Pass
	16QAM	2593	25	0	4.562	/	Pass
10	QPSK	2593	50	0	9.094	/	Pass
	16QAM	2593	50	0	9.079	/	Pass
15	QPSK	2593	75	0	13.632	/	Pass
	16QAM	2593	75	0	13.620	/	Pass
20	QPSK	2593	100	0	18.124	/	Pass
	16QAM	2593	100	0	18.192	/	Pass

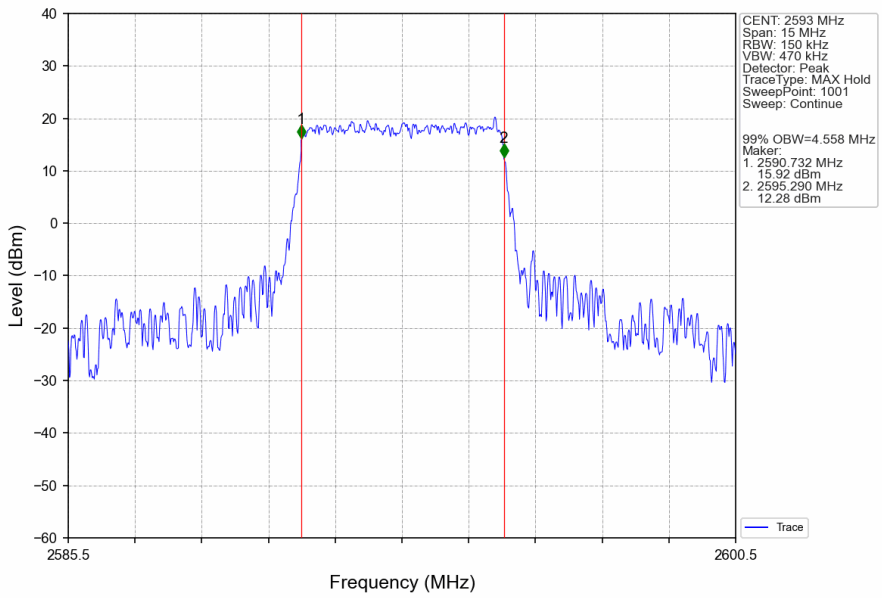
3.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	5.575	/	Pass
	16QAM	2593	25	0	5.344	/	Pass
10	QPSK	2593	50	0	11.011	/	Pass
	16QAM	2593	50	0	10.371	/	Pass
15	QPSK	2593	75	0	15.904	/	Pass
	16QAM	2593	75	0	15.883	/	Pass
20	QPSK	2593	100	0	20.453	/	Pass
	16QAM	2593	100	0	23.877	/	Pass

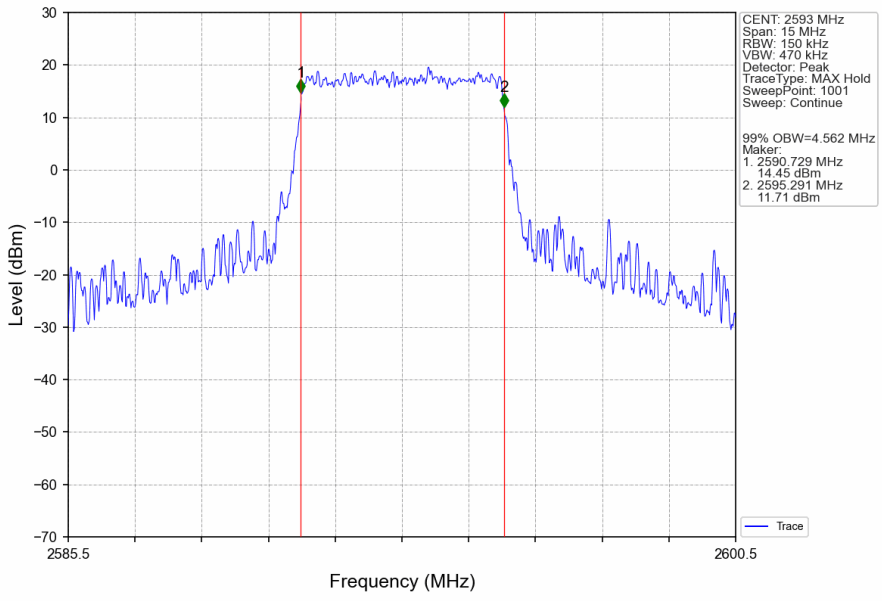
3.2 Test Graph

3.2.1 Band41_OBW

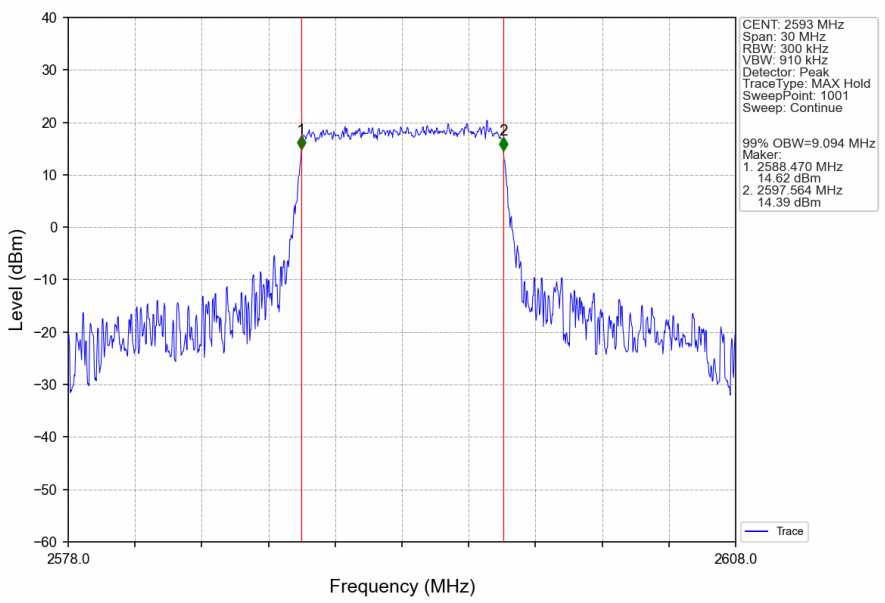
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



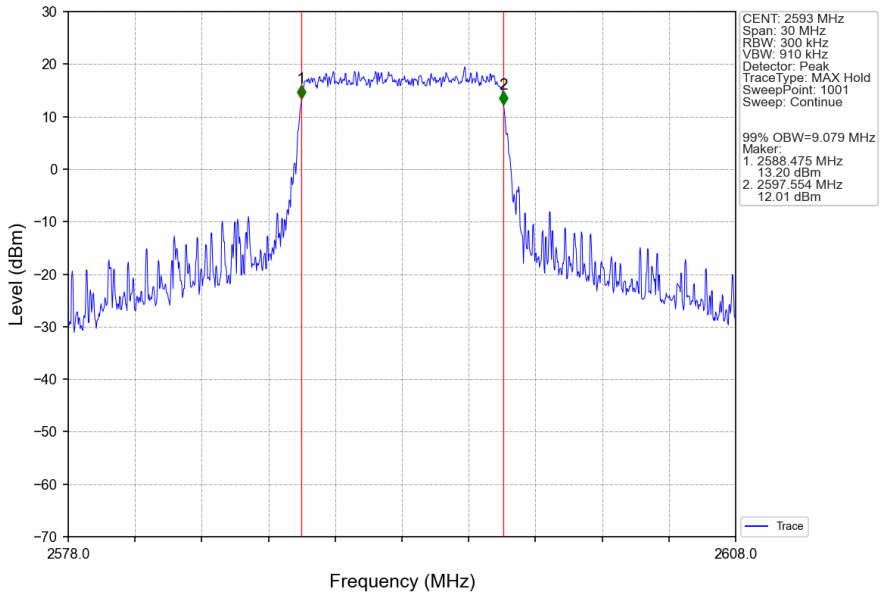
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



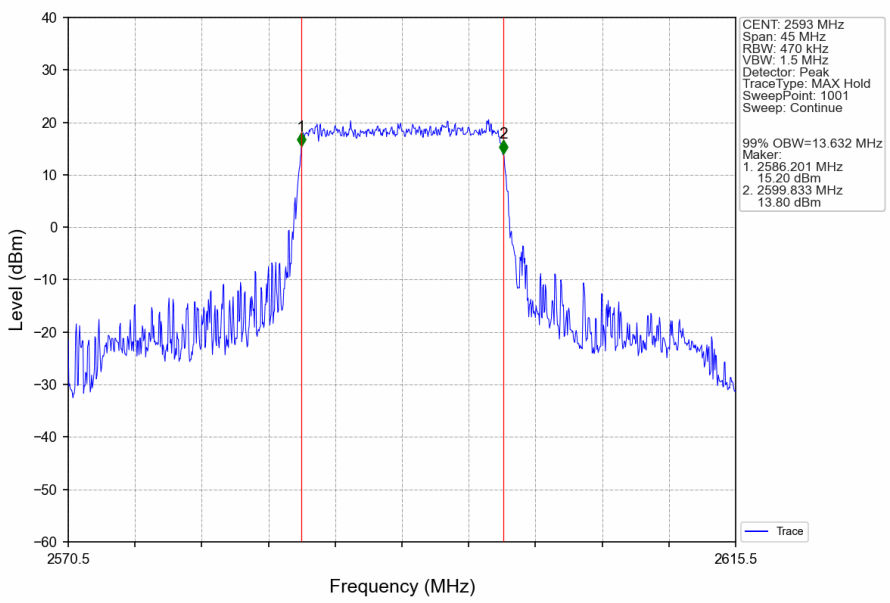
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



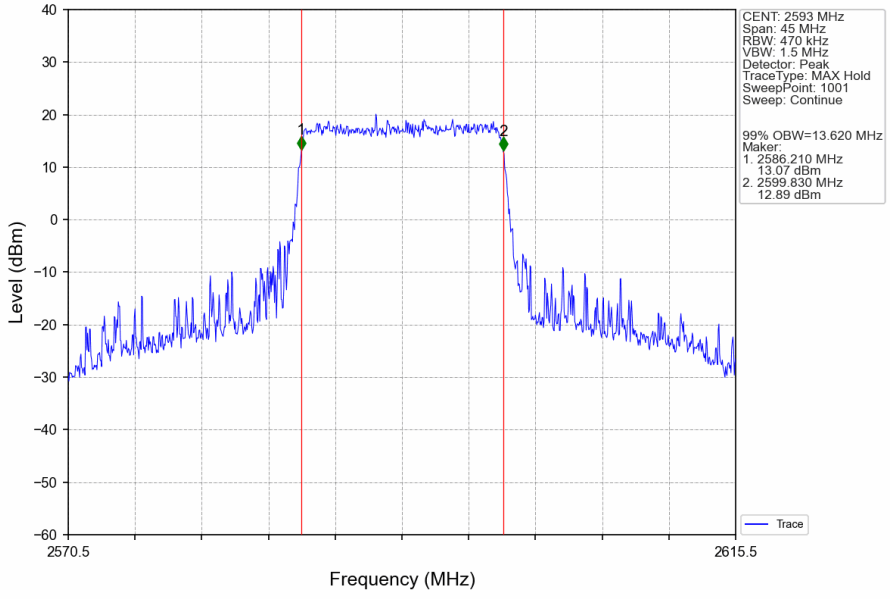
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



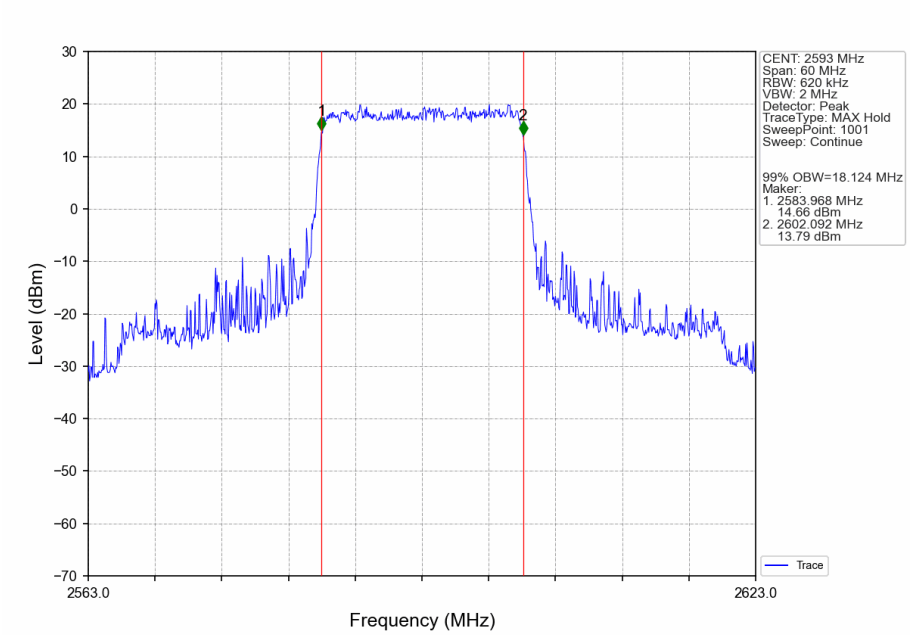
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



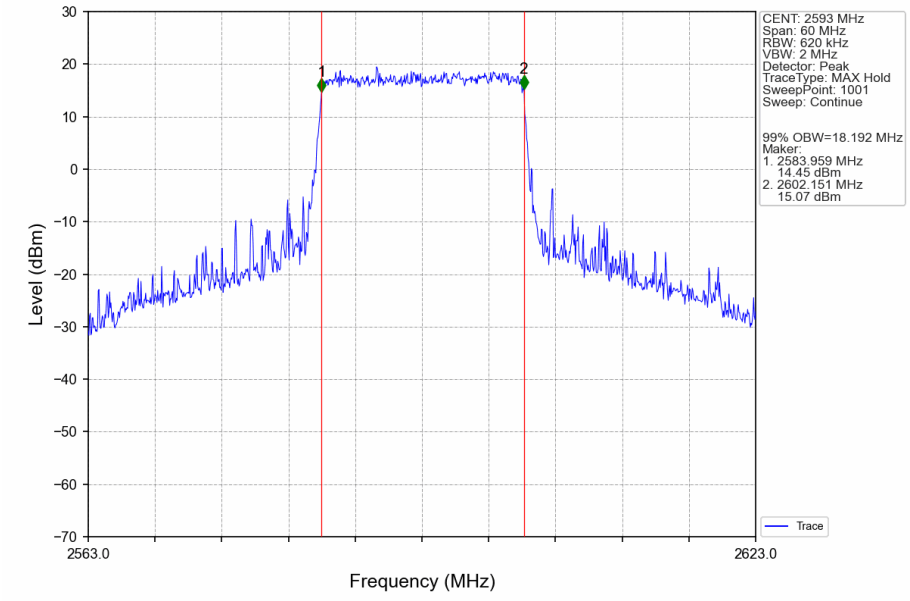
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV

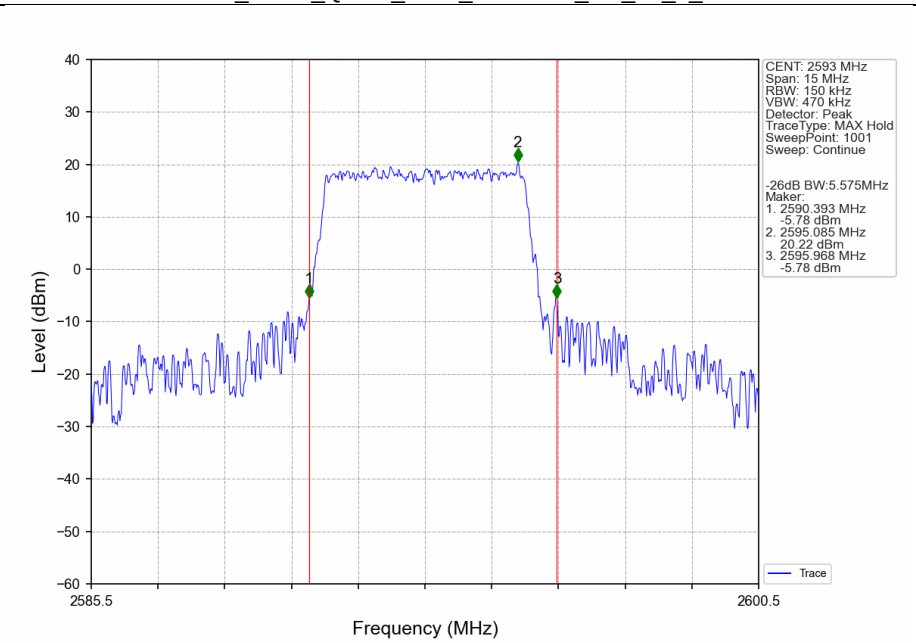


Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV

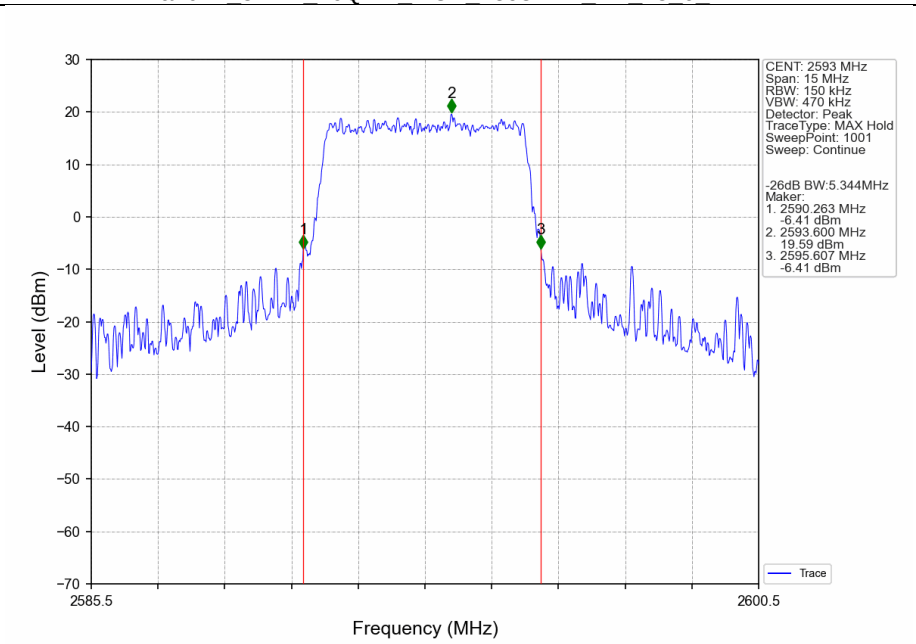


3.2.2 Band41_XDB

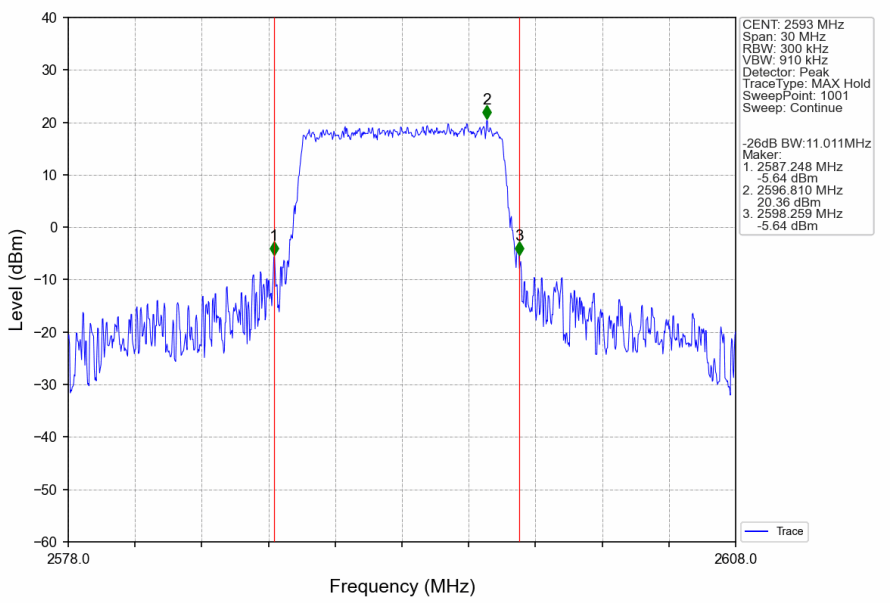
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



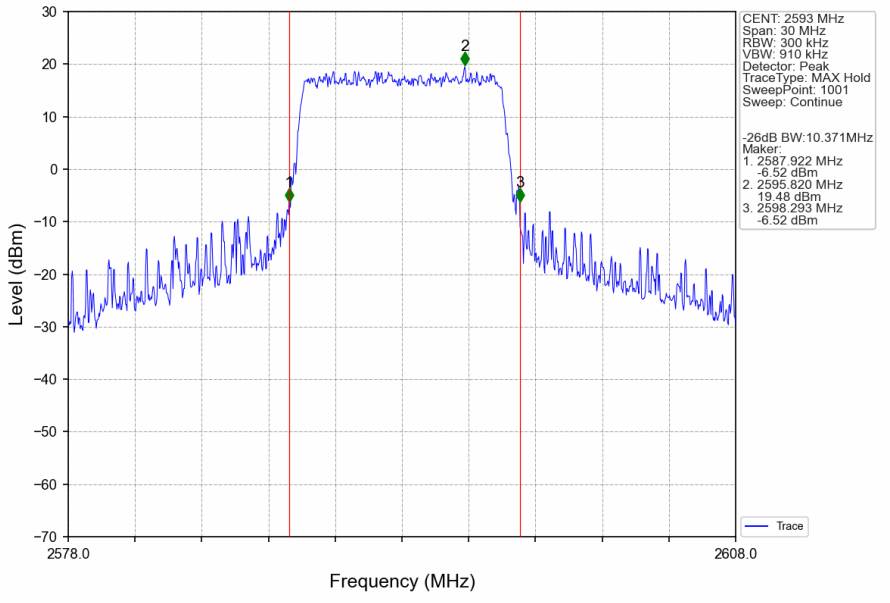
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



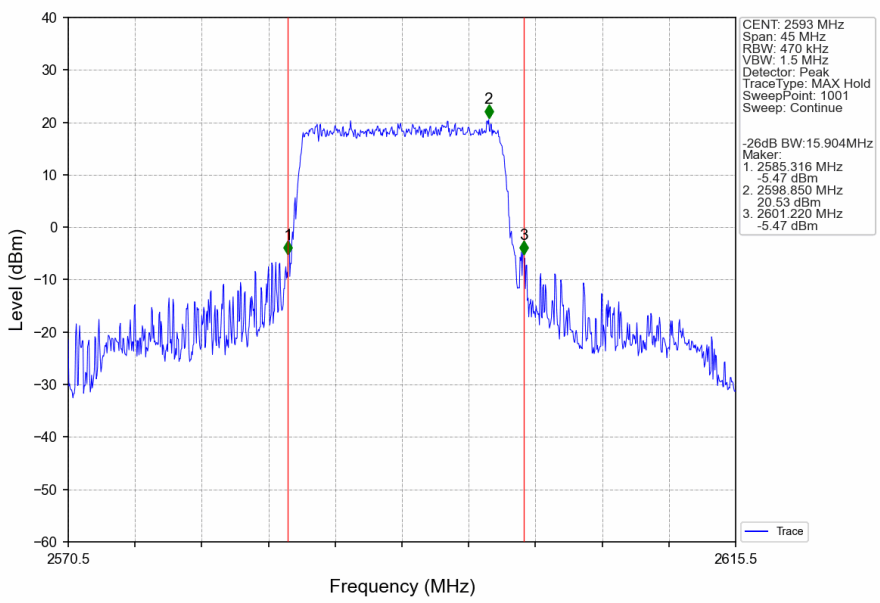
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



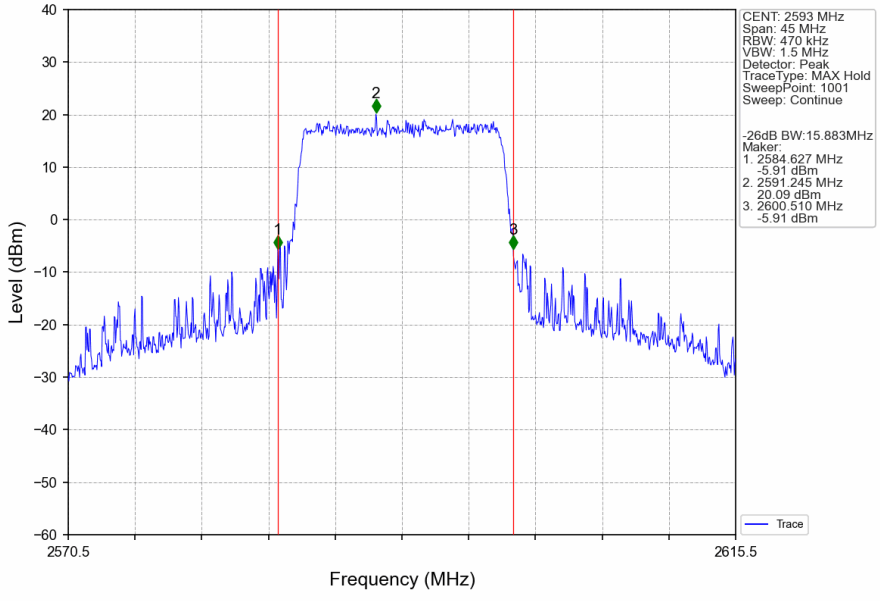
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



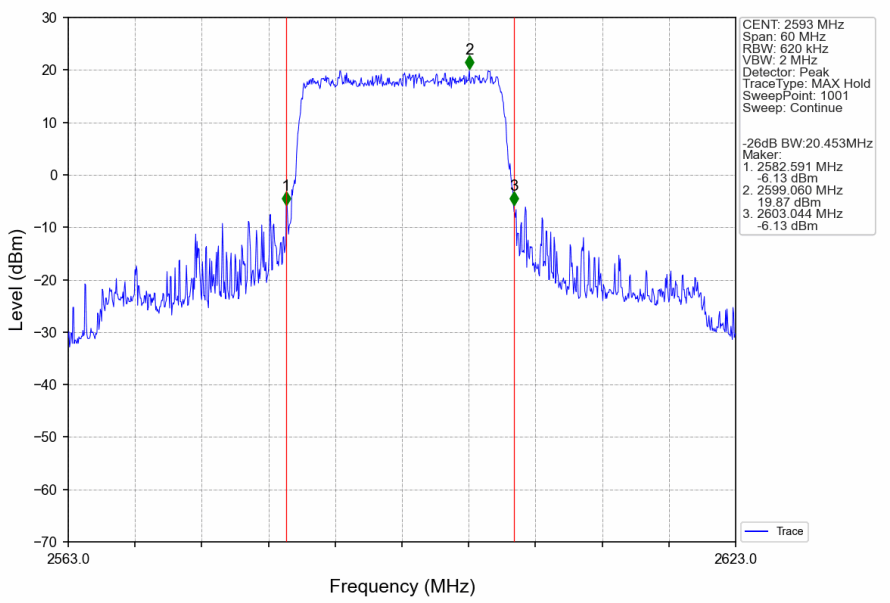
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



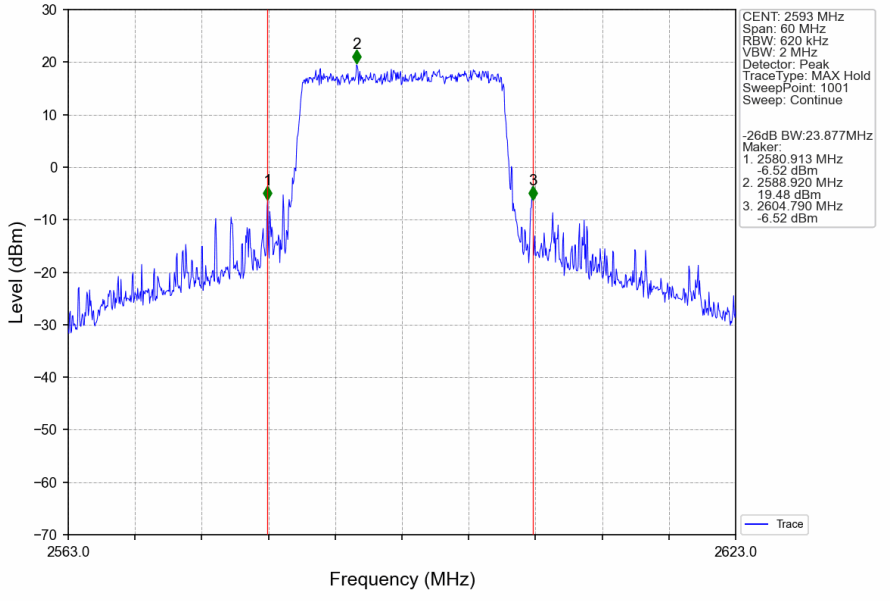
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



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

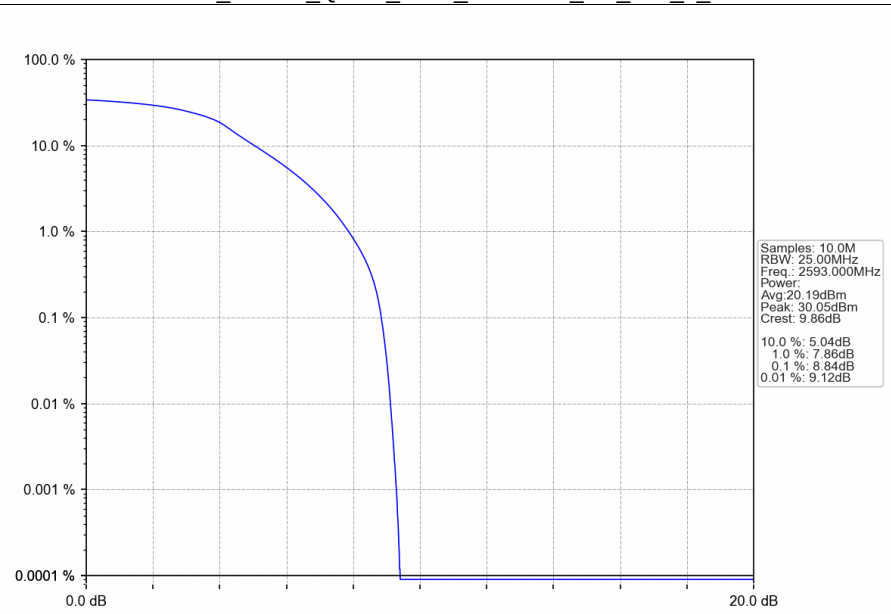
4.1.1 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	8.84	<=13	Pass
16QAM	2593	100	0	9.99	<=13	Pass
64QAM	2593	100	0	9.95	<=13	Pass
256QAM	2593	100	0	10.05	<=13	Pass

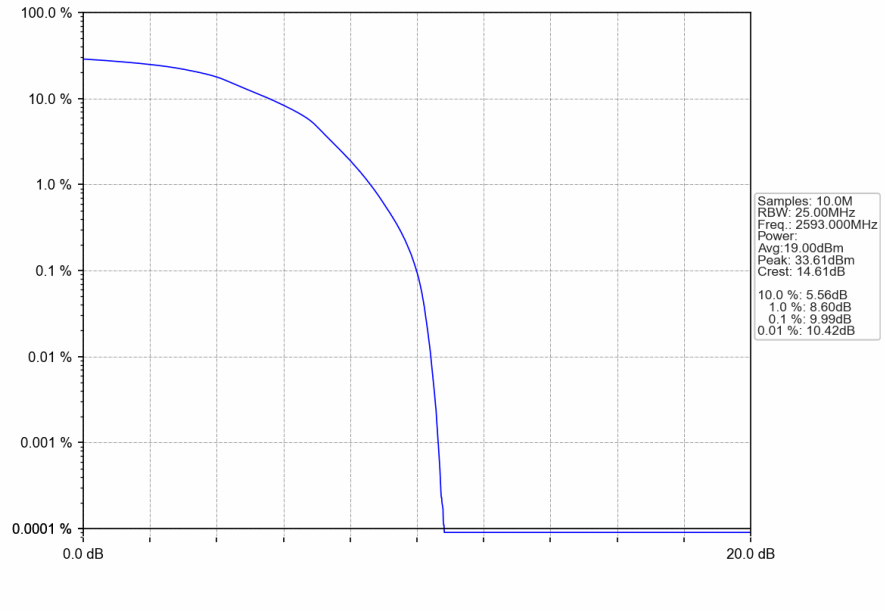
4.2 Test Graph

4.2.1 B41_20MHz

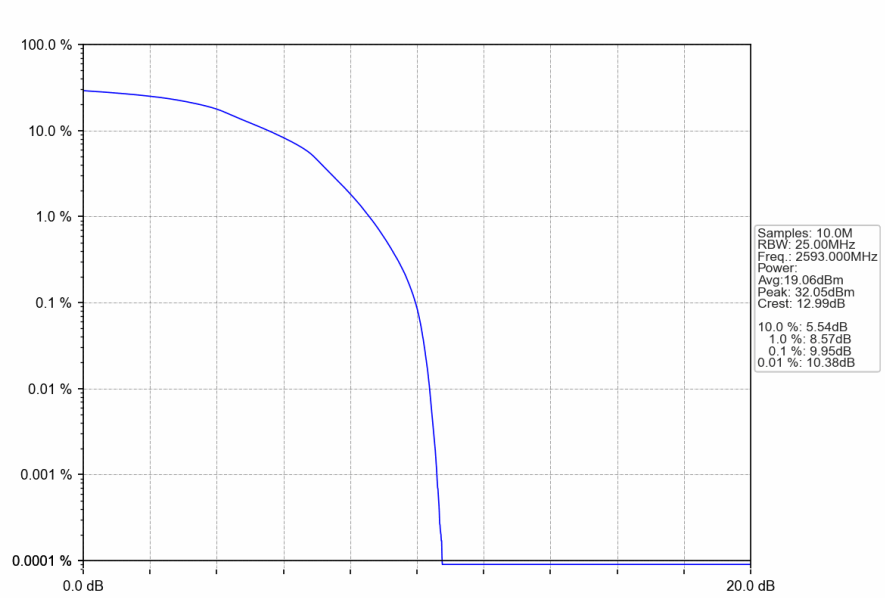
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



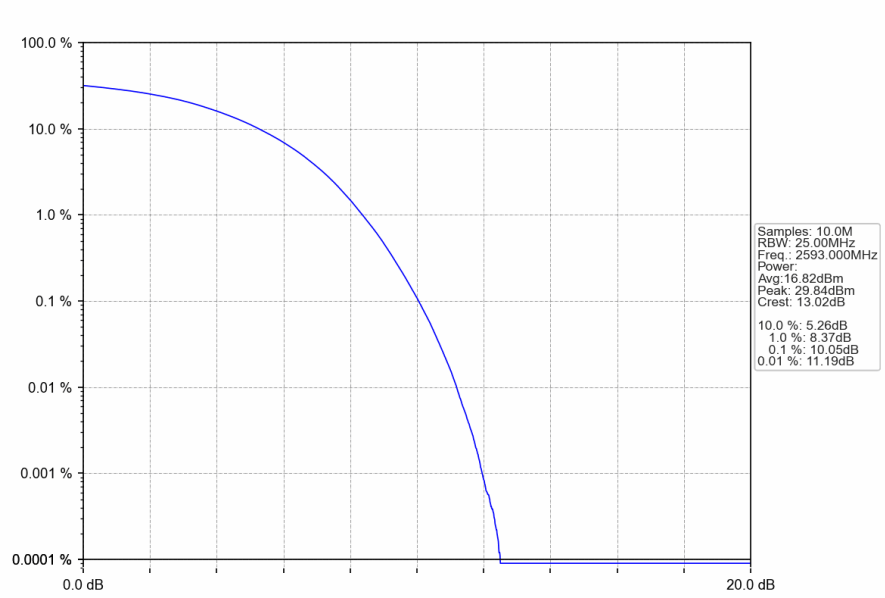
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_256QAM_MCH_2593MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV						
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

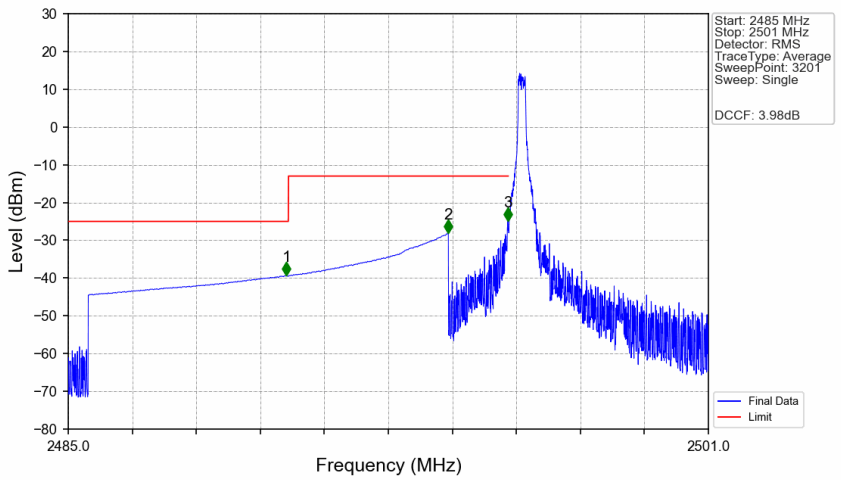
5.1.4 B41_20MHz

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

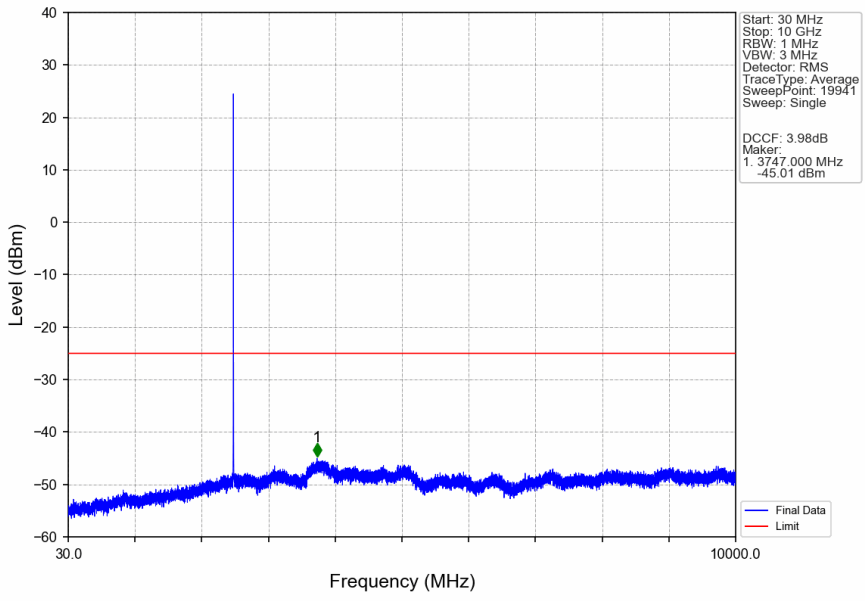
5.2.1 B41_5MHz

Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

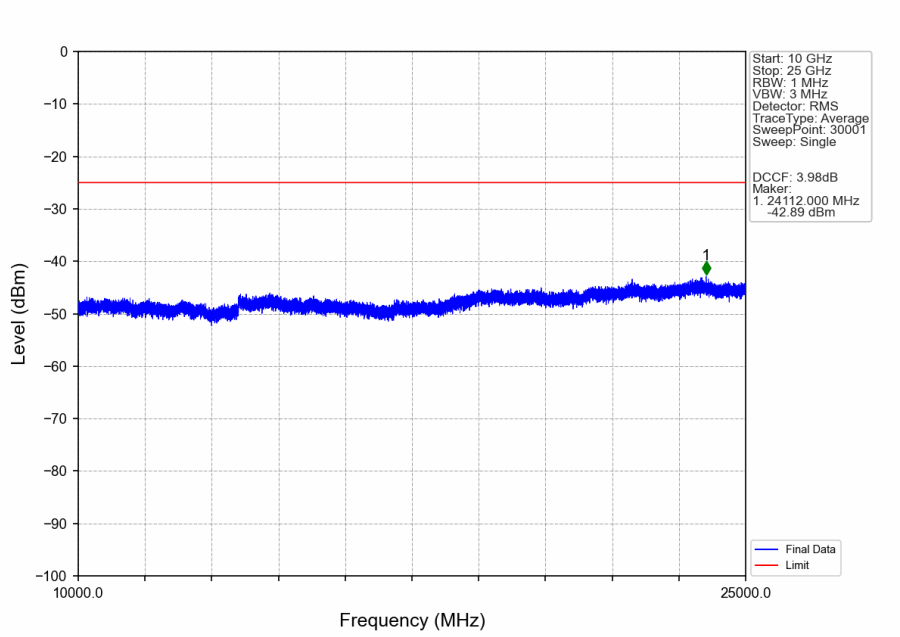


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.450	-39.33	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-28.05	-13	Pass
2495	2496	0.01	/	3	2495.985	-24.93	-13	Pass
2496	2501	0.01	/	/	/	/	/	/

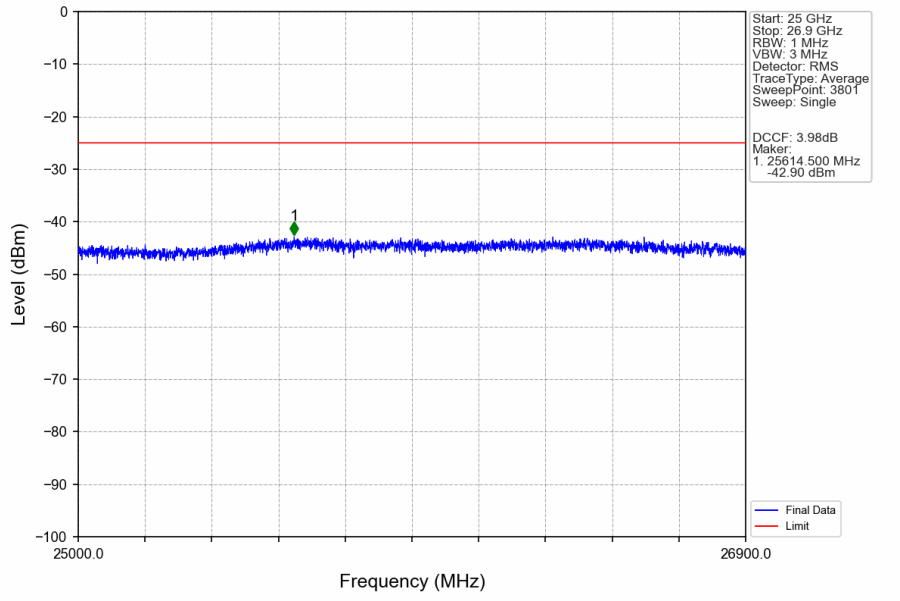
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



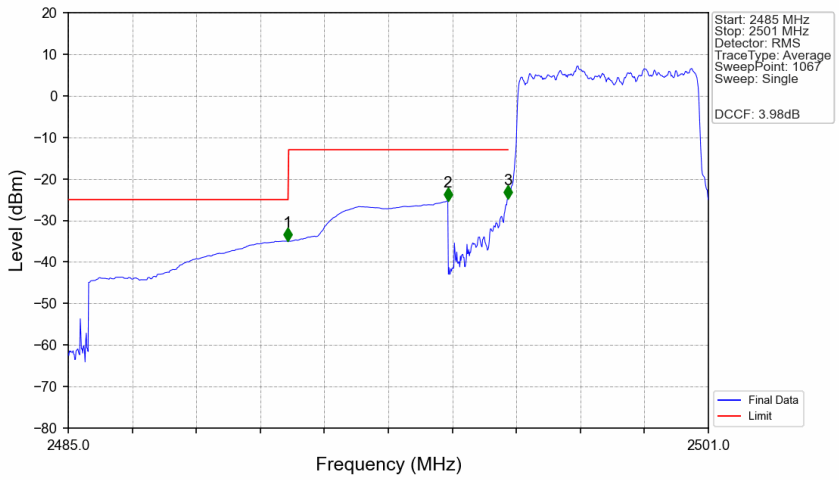
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

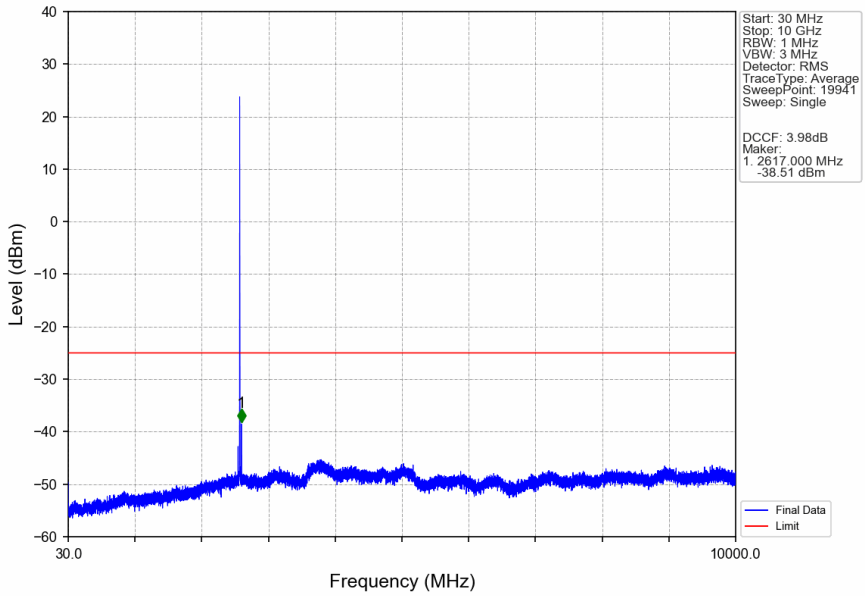


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

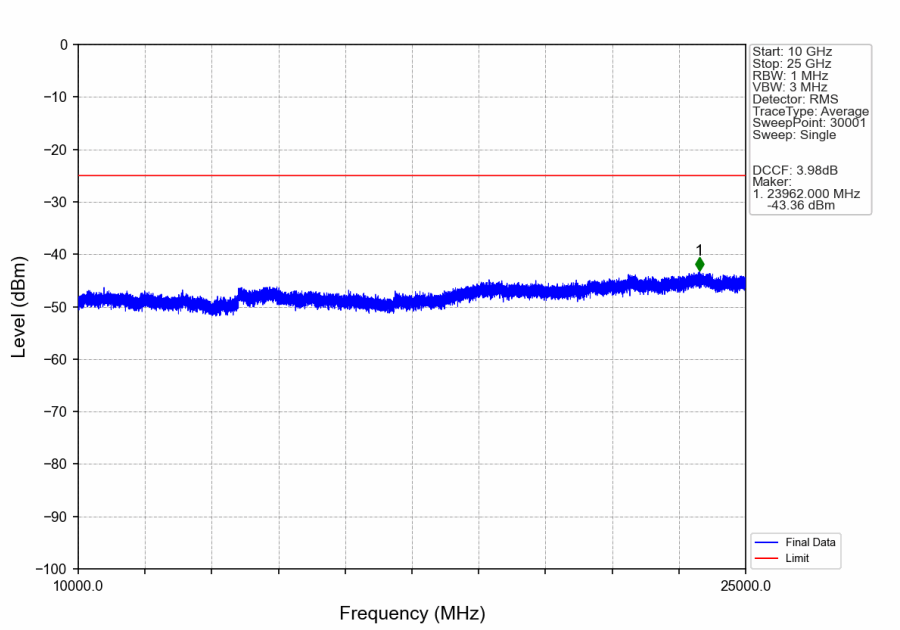


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.478	-34.98	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-25.23	-13	Pass
2495	2496	0.056	CHP	3	2495.987	-24.81	-13	Pass
2496	2501	0.056	CHP	/	/	/	/	/

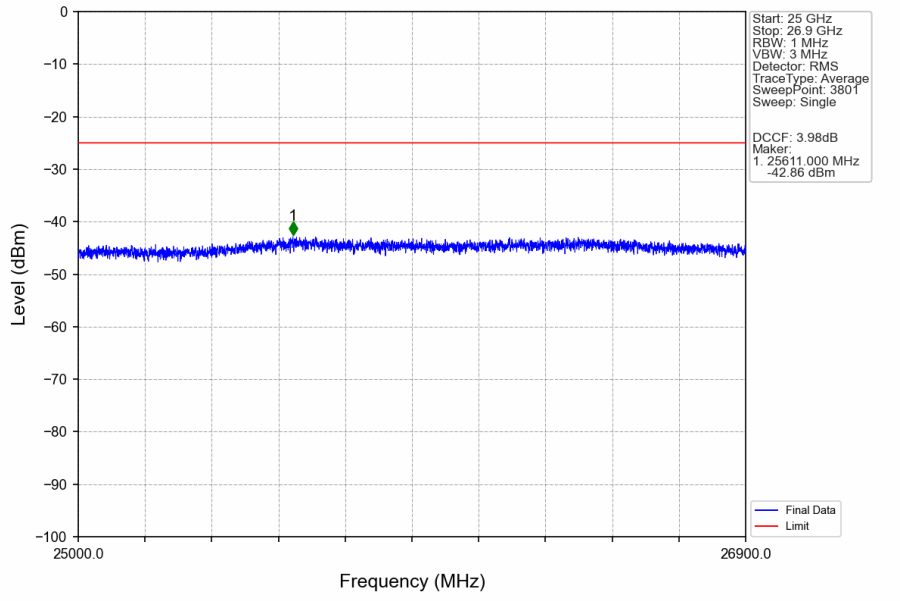
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



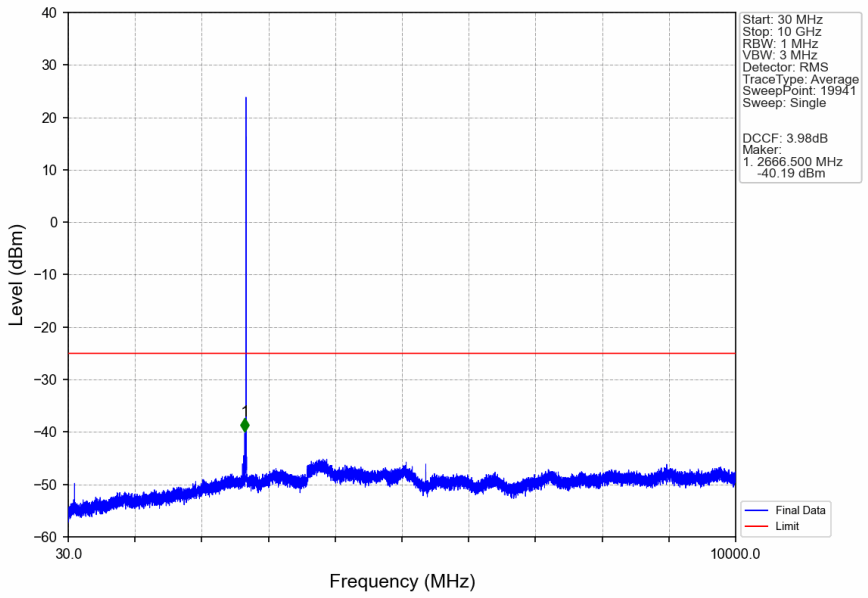
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



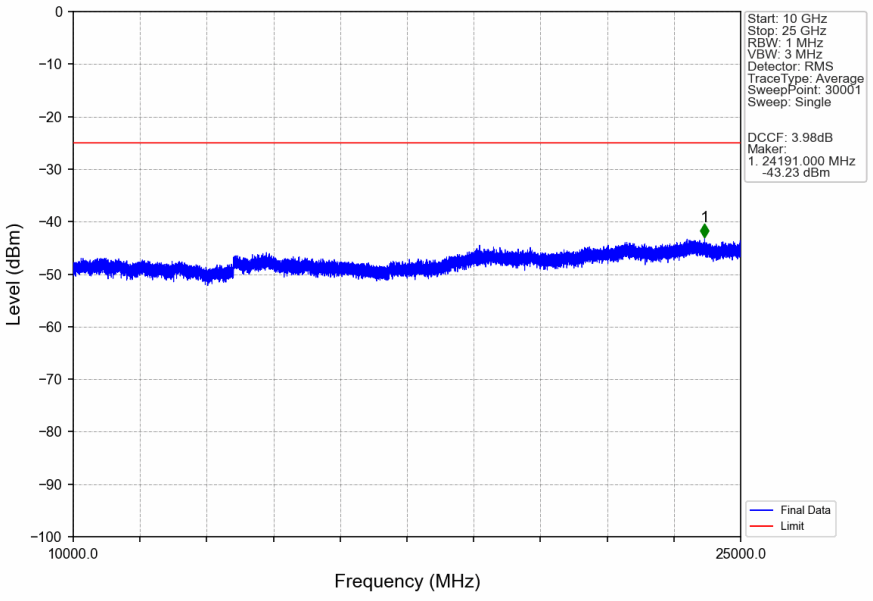
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



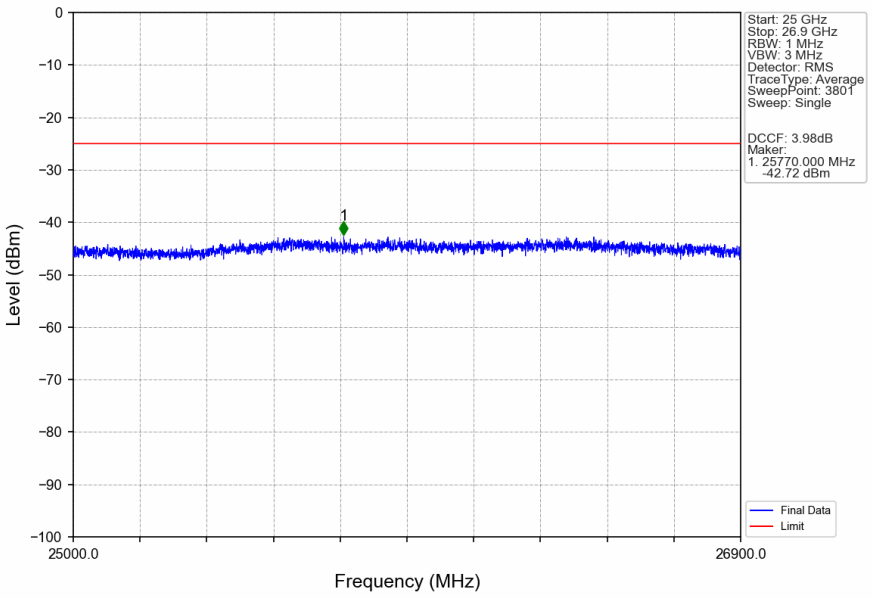
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



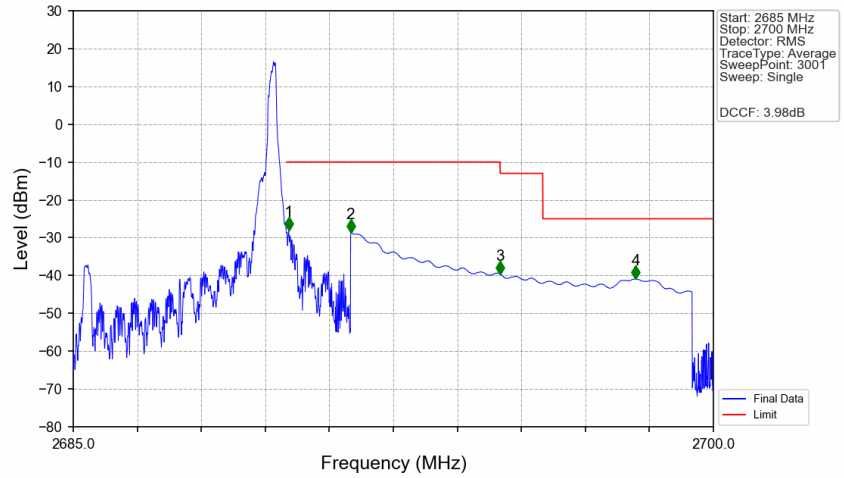
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV

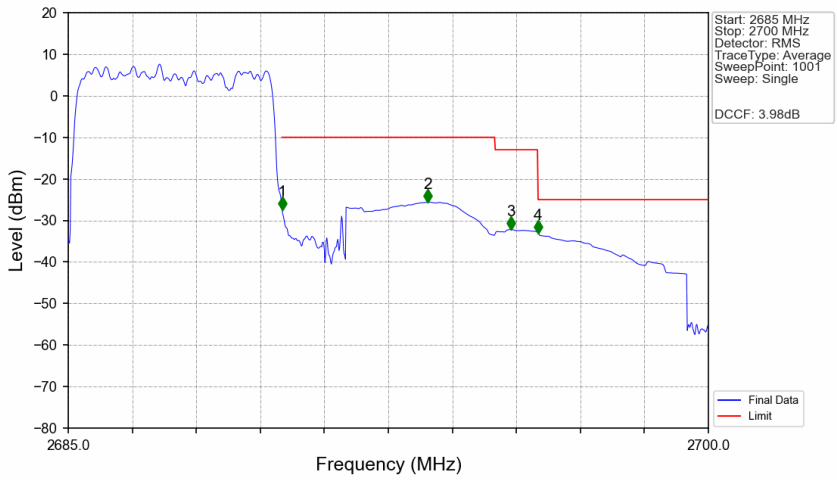


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



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	2690.045	-28.07	-10	Pass
2691	2695	1	CHP	2	2691.500	-28.65	-10	Pass
2695	2696	1	CHP	3	2695.005	-39.60	-13	Pass
2696	2700	1	CHP	4	2698.175	-40.88	-25	Pass

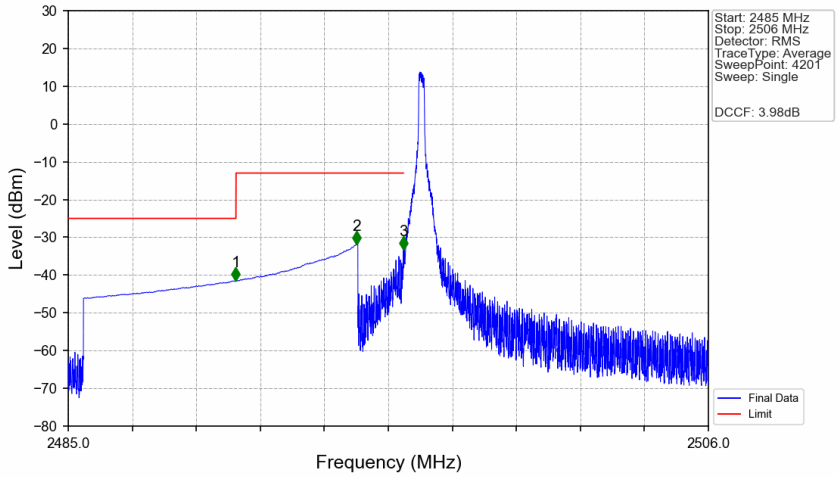
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.112	CHP	/	/	/	/	/
2690	2691	0.112	CHP	1	2690.010	-27.43	-10	Pass
2691	2695	1	CHP	2	2693.430	-25.58	-10	Pass
2695	2696	1	CHP	3	2695.365	-32.20	-13	Pass
2696	2700	1	CHP	4	2696.010	-33.06	-25	Pass

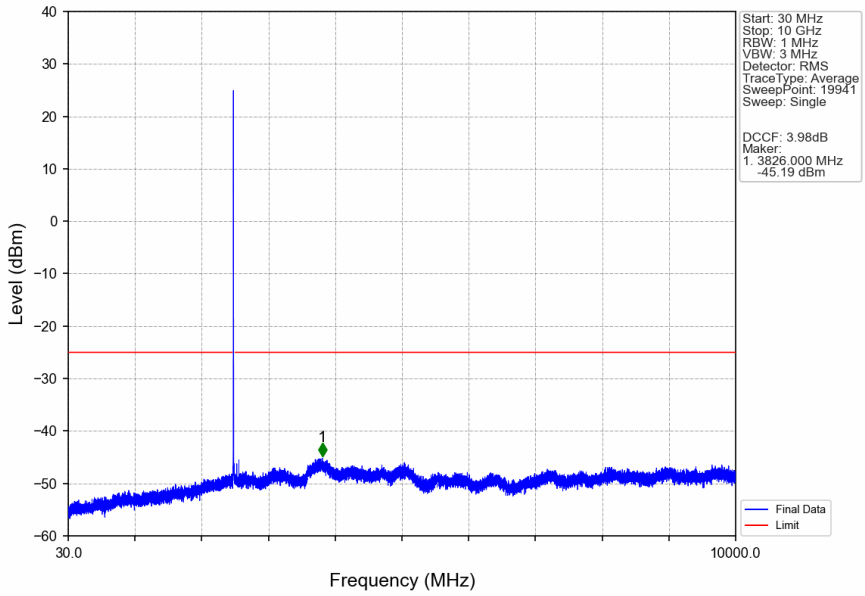
5.2.2 B41_10MHz

Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

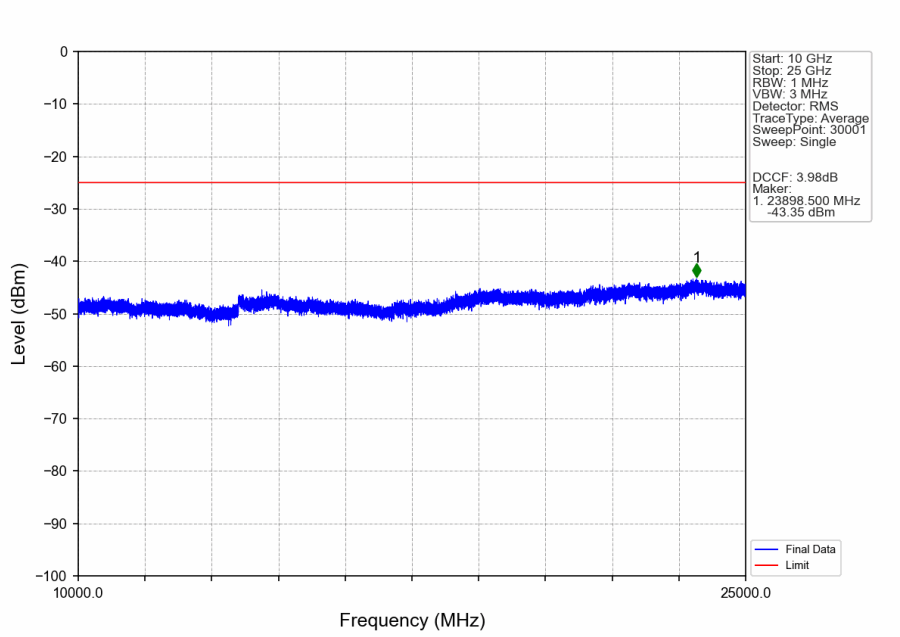


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-41.41	-25	Pass
2490.5	2495	1	CHP	2	2494.465	-31.77	-13	Pass
2495	2496	0.01	/	3	2495.995	-33.27	-13	Pass
2496	2506	0.01	/	/	/	/	/	/

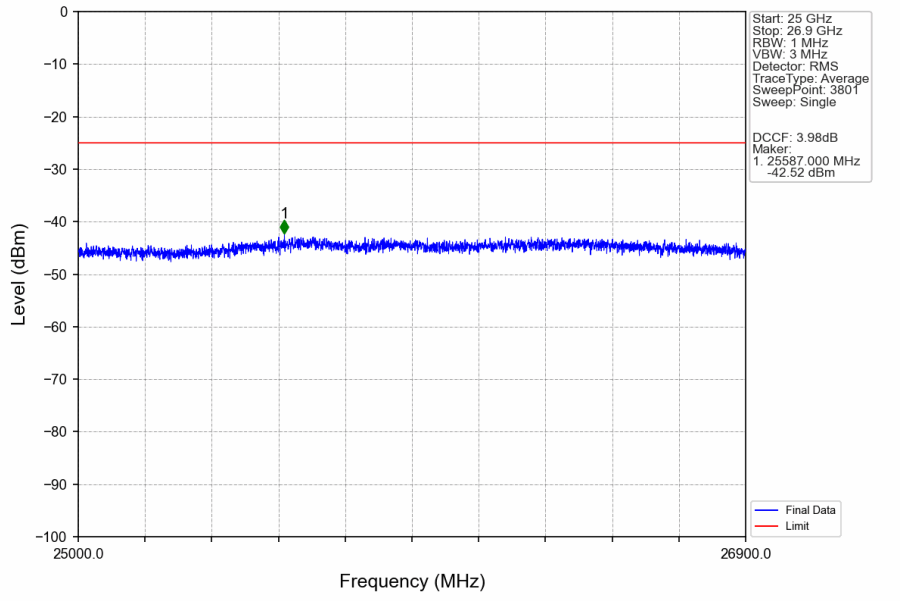
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



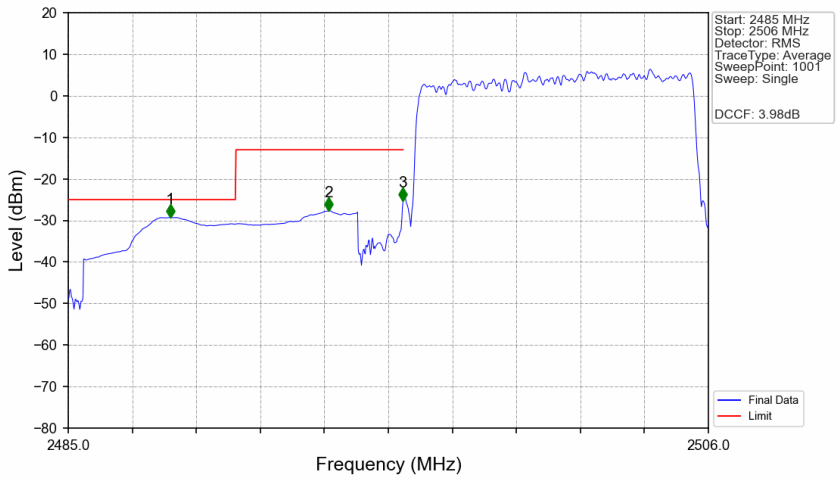
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

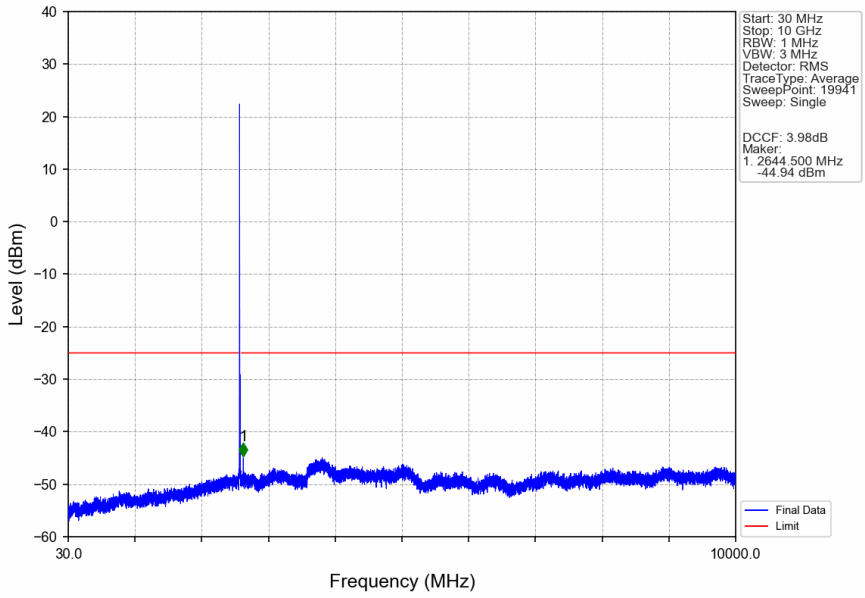


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

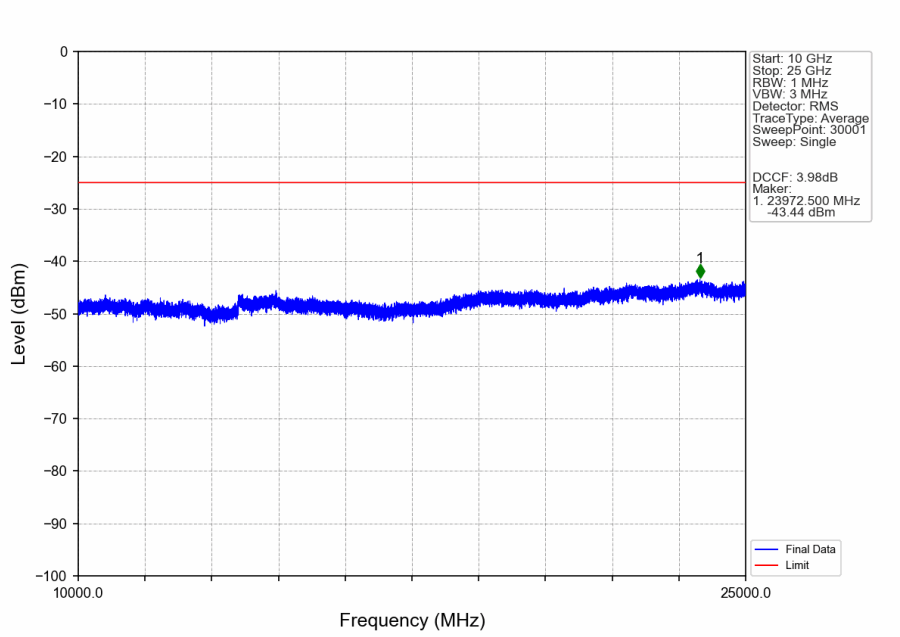


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.339	-29.28	-25	Pass
2490.5	2495	1	CHP	2	2493.547	-27.70	-13	Pass
2495	2496	0.11	CHP	3	2495.983	-25.35	-13	Pass
2496	2506	0.11	CHP	/	/	/	/	/

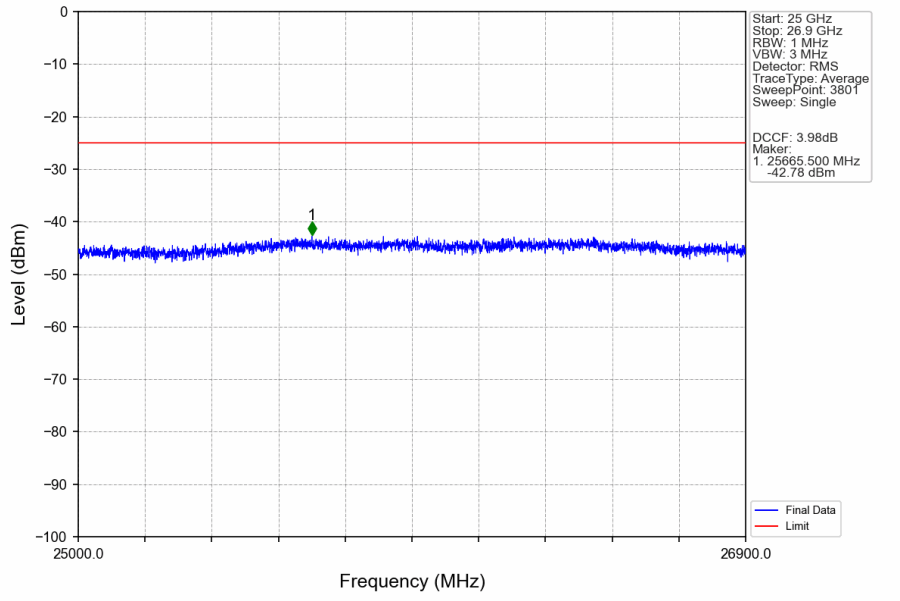
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



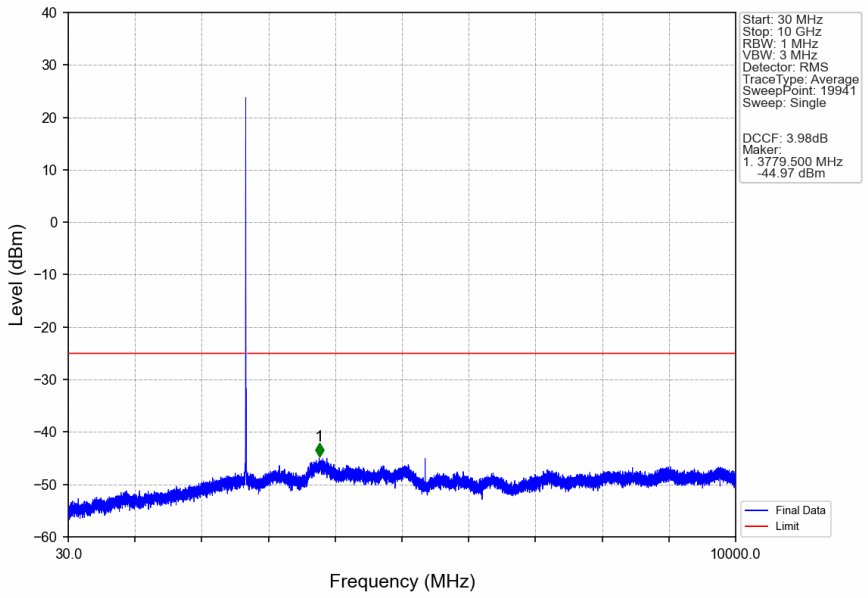
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



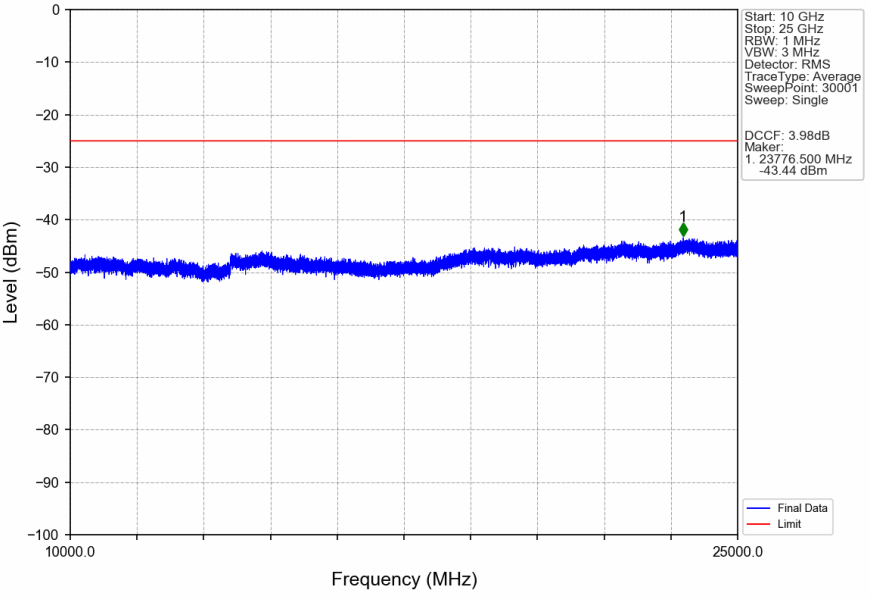
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



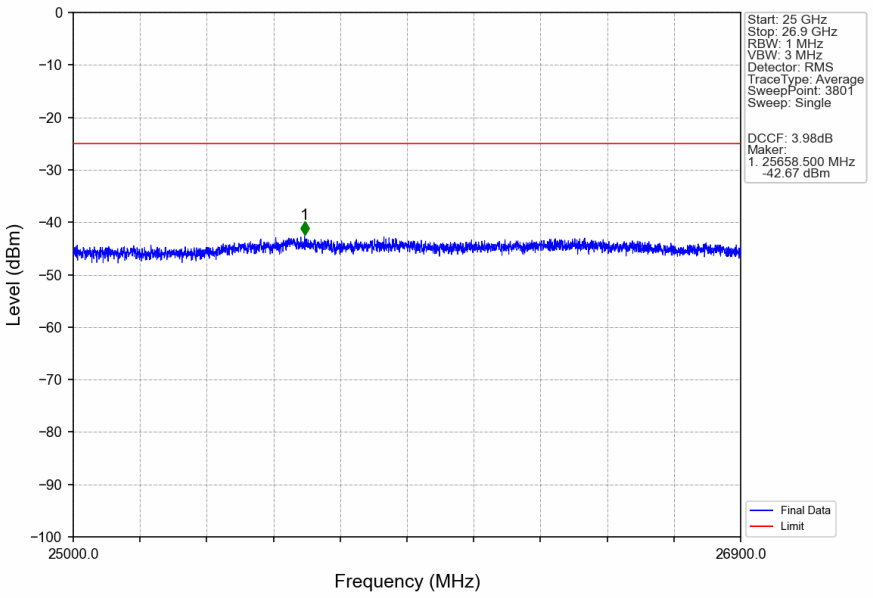
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



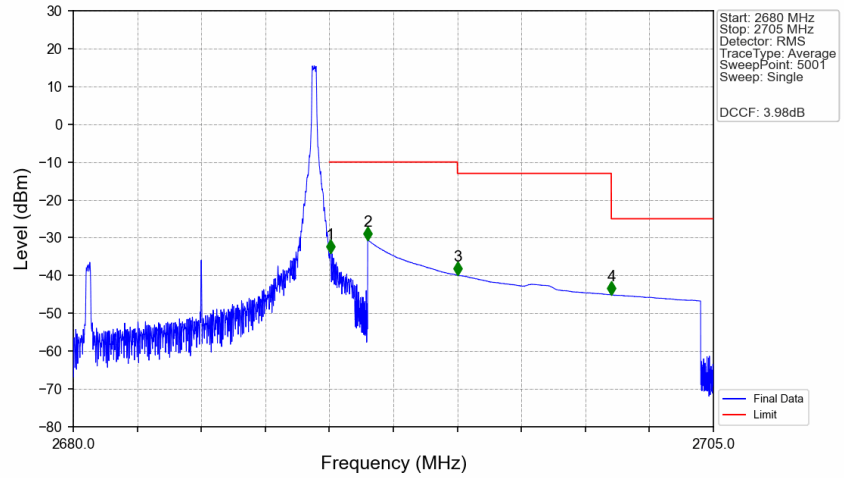
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV

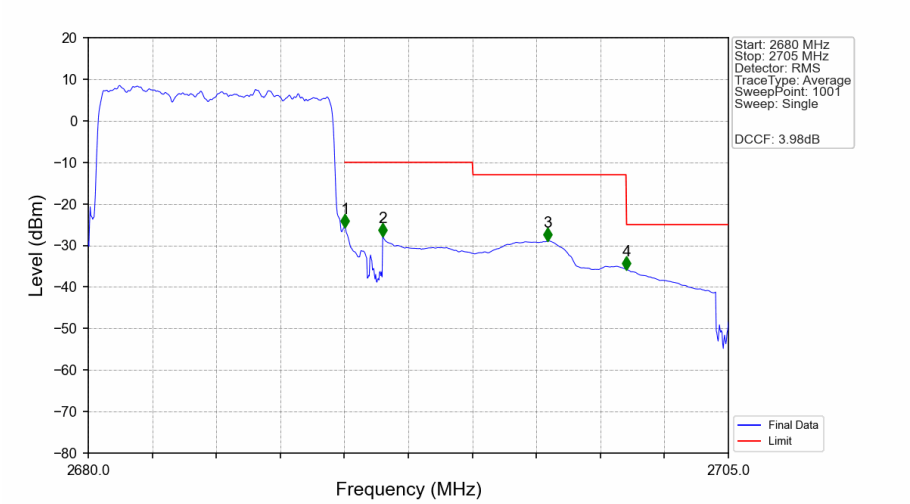


Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



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	2690.035	-34.14	-10	Pass
2691	2695	1	CHP	2	2691.500	-30.61	-10	Pass
2695	2701.011	1	CHP	3	2695.005	-39.86	-13	Pass
2701.011	2705	1	CHP	4	2701.015	-45.07	-25	Pass

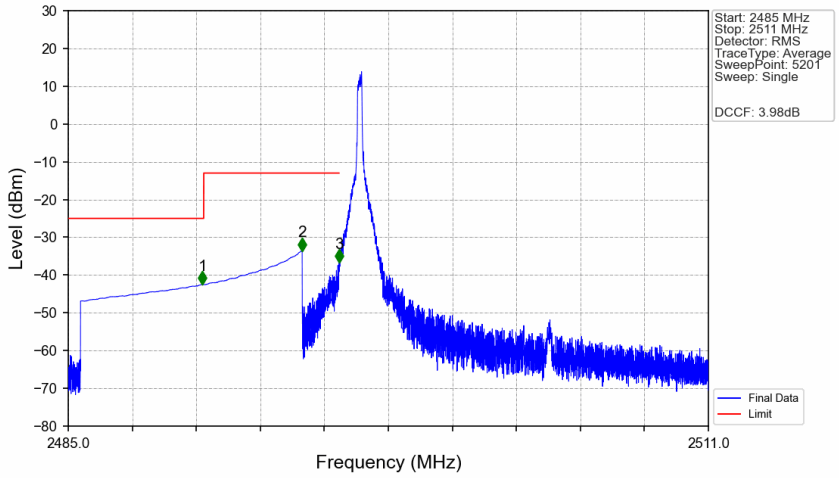
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.22	CHP	/	/	/	/	/
2690	2691	0.22	CHP	1	2690.025	-25.74	-10	Pass
2691	2695	1	CHP	2	2691.500	-27.85	-10	Pass
2695	2701.011	1	CHP	3	2697.950	-28.91	-13	Pass
2701.011	2705	1	CHP	4	2701.025	-35.80	-25	Pass

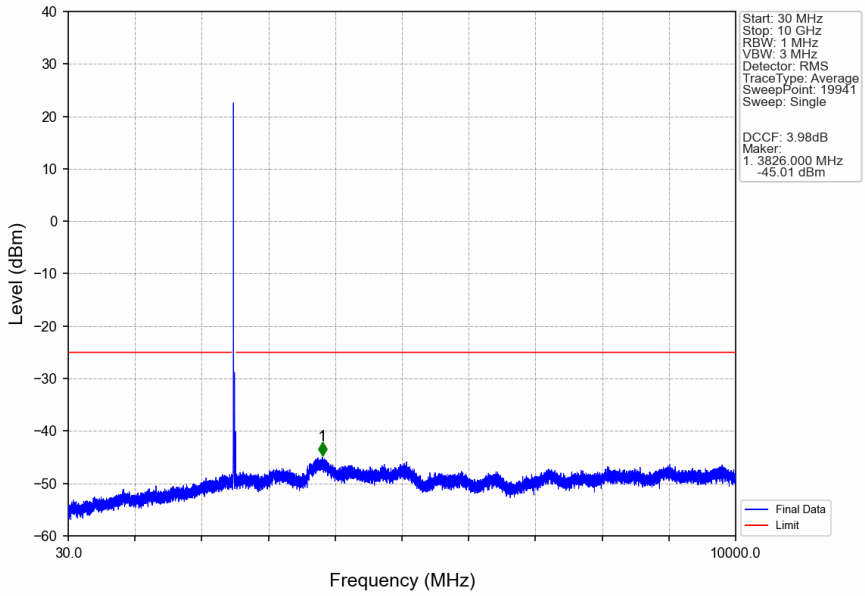
5.2.3 B41_15MHz

Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

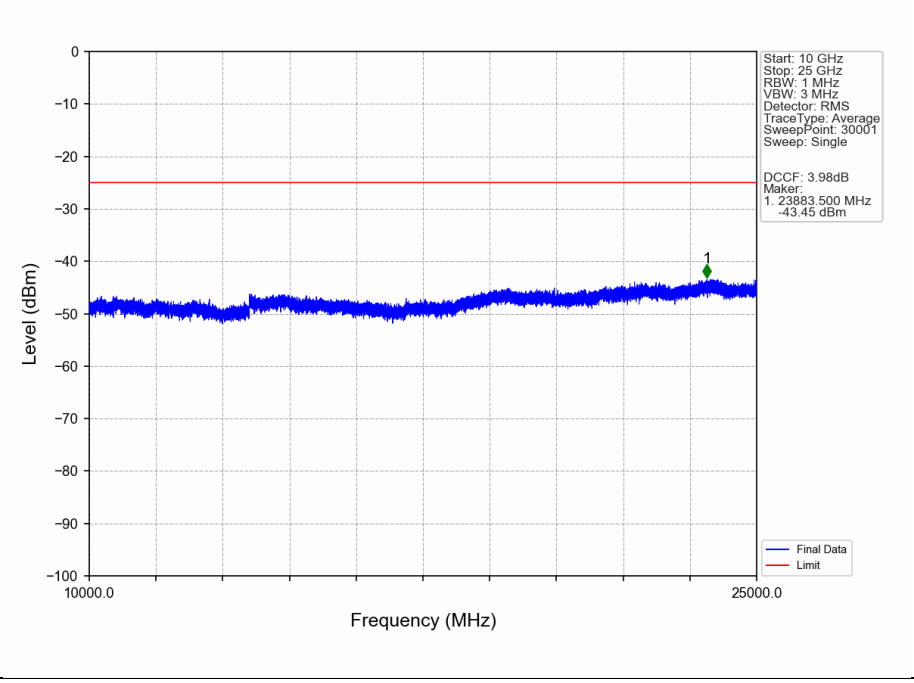


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.455	-42.50	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-33.56	-13	Pass
2495	2496	0.01	/	3	2495.990	-36.70	-13	Pass
2496	2511	0.01	/	/	/	/	/	/

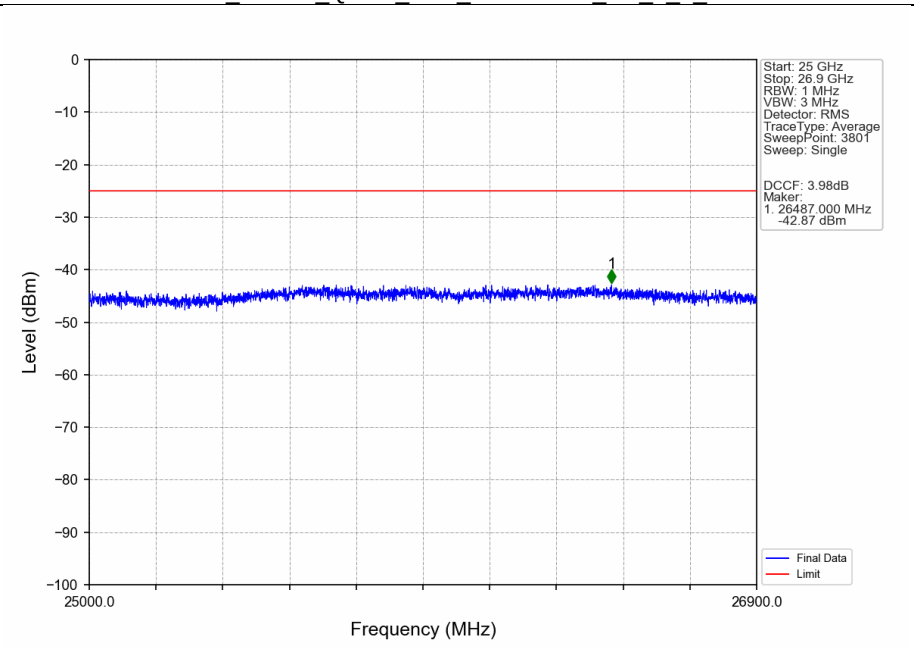
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



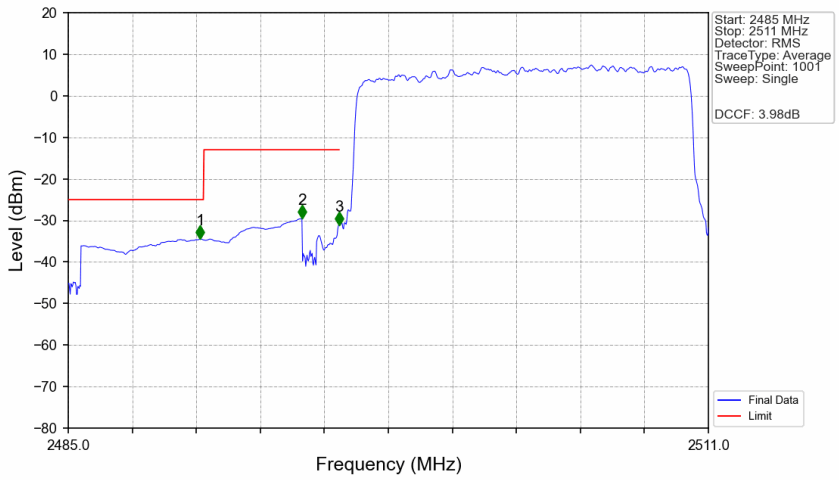
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

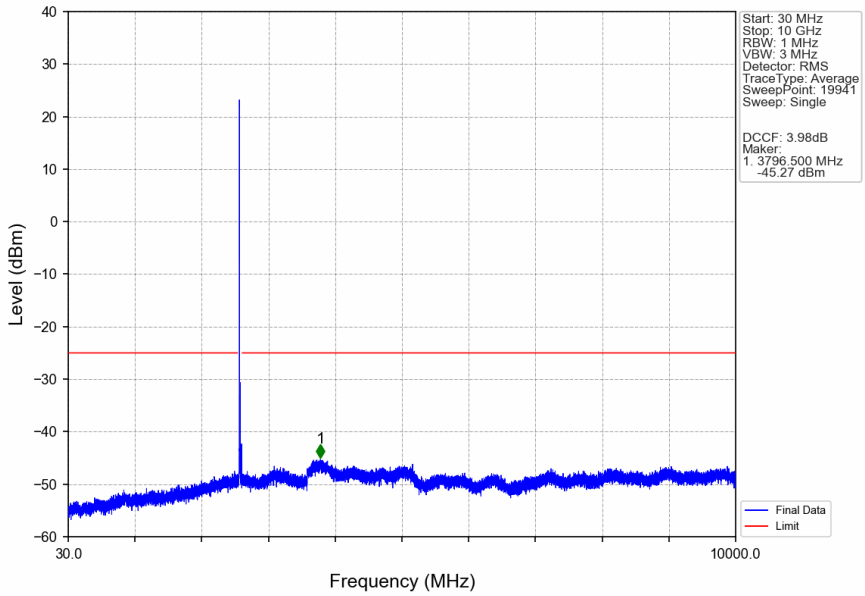


Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV

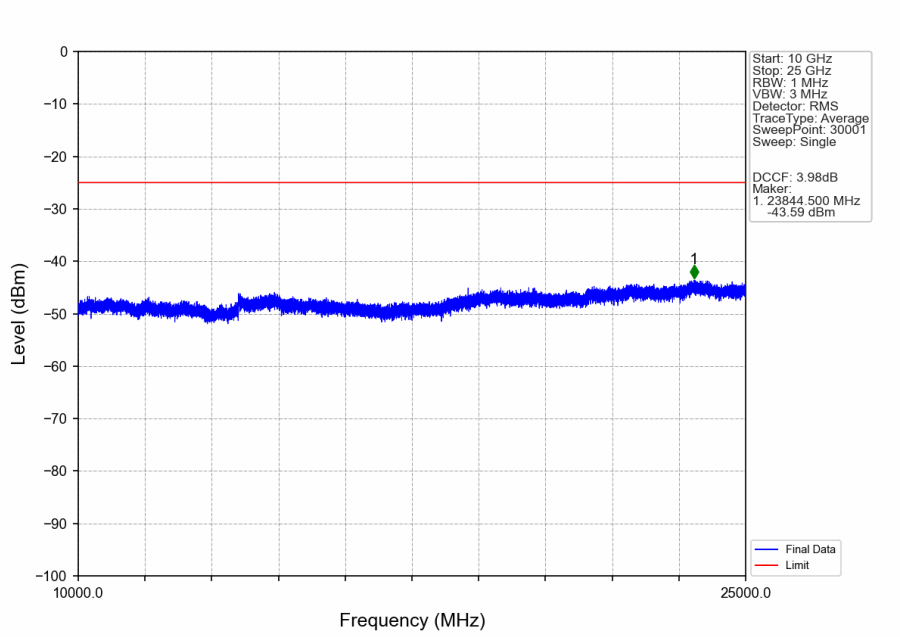


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.356	-34.49	-25	Pass
2490.5	2495	1	CHP	2	2494.490	-29.56	-13	Pass
2495	2496	0.159	CHP	3	2495.998	-31.14	-13	Pass
2496	2511	0.159	CHP	/	/	/	/	/

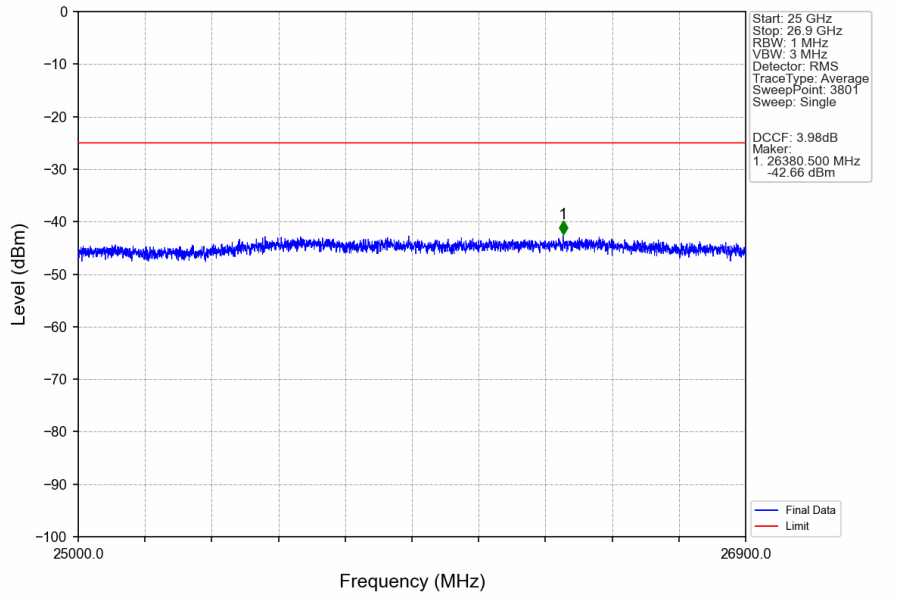
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



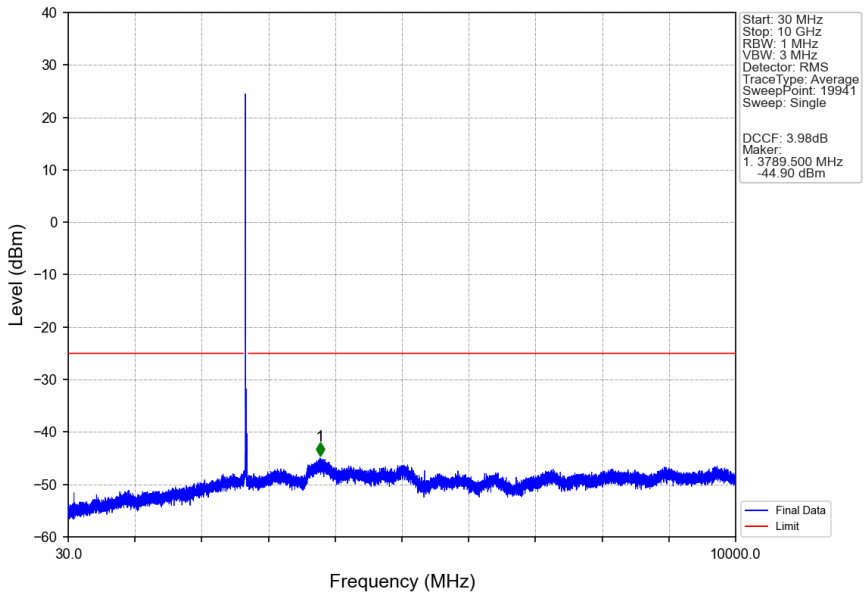
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



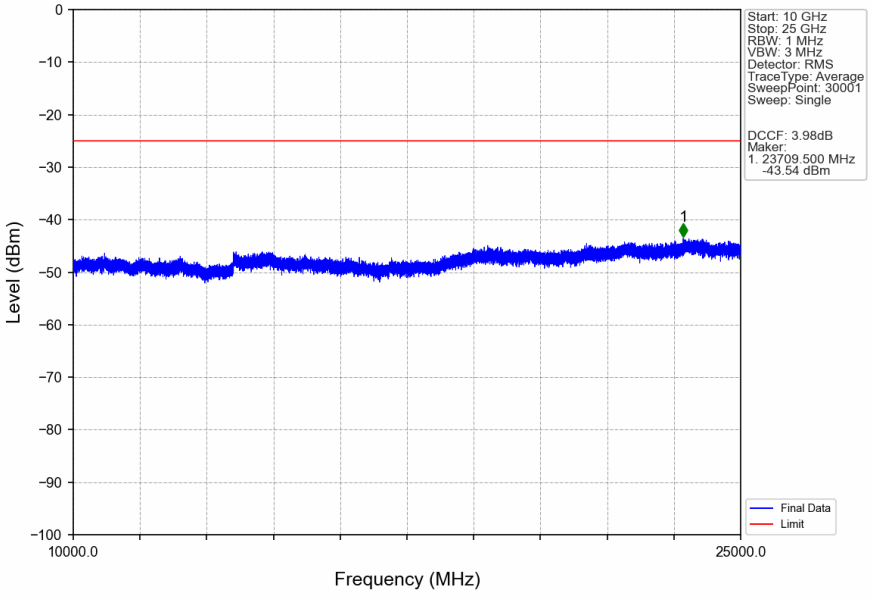
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



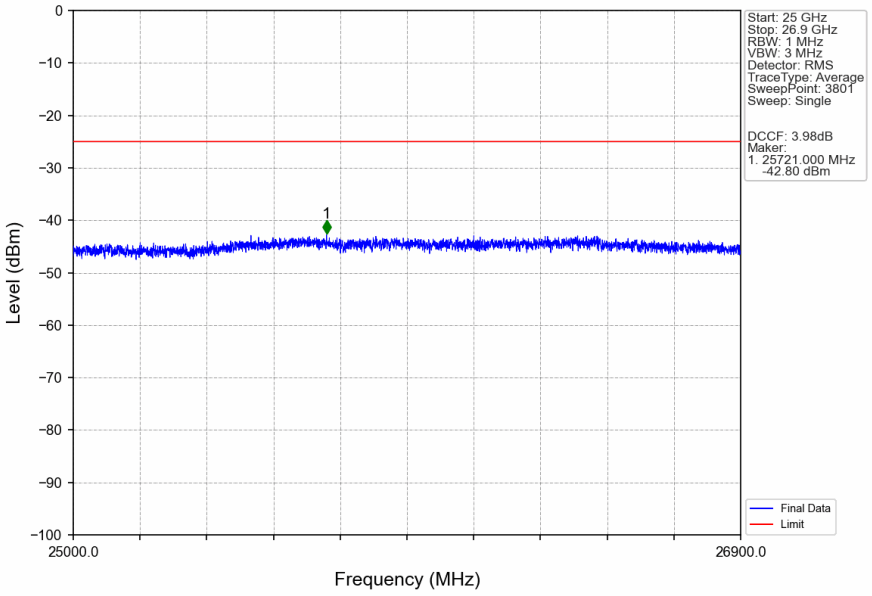
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



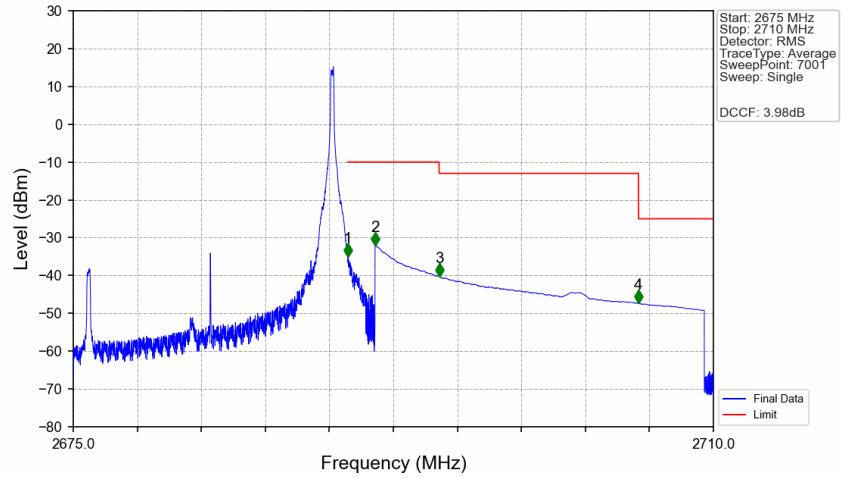
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV

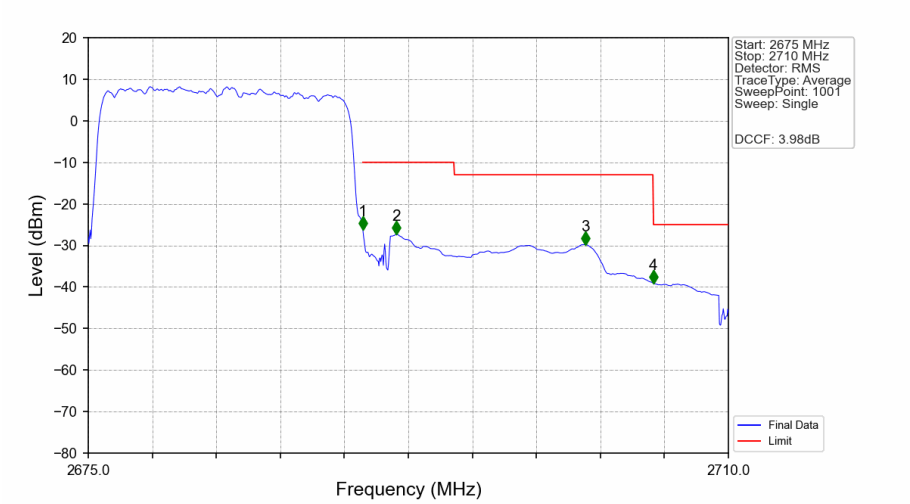


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV



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	2690.020	-35.02	-10	Pass
2691	2695	1	CHP	2	2691.500	-31.97	-10	Pass
2695	2705.904	1	CHP	3	2695.005	-40.23	-13	Pass
2705.904	2710	1	CHP	4	2705.905	-47.35	-25	Pass

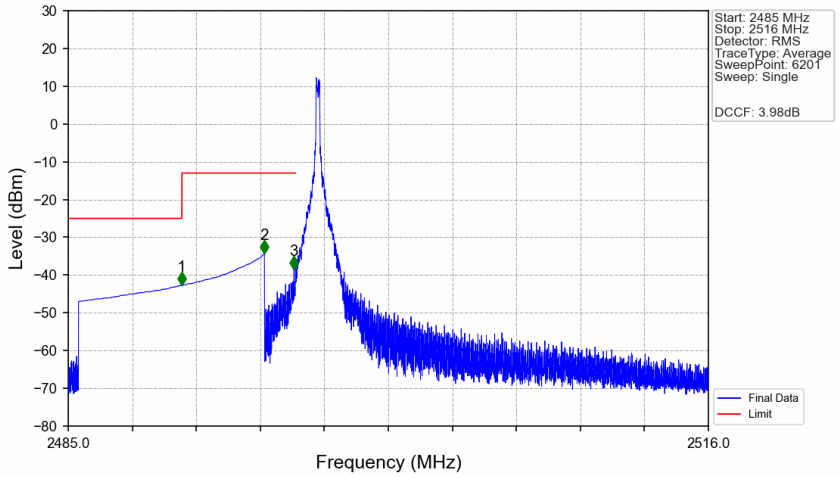
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.318	CHP	/	/	/	/	/
2690	2691	0.318	CHP	1	2690.015	-26.26	-10	Pass
2691	2695	1	CHP	2	2691.835	-27.36	-10	Pass
2695	2705.904	1	CHP	3	2702.195	-29.78	-13	Pass
2705.904	2710	1	CHP	4	2705.905	-39.16	-25	Pass

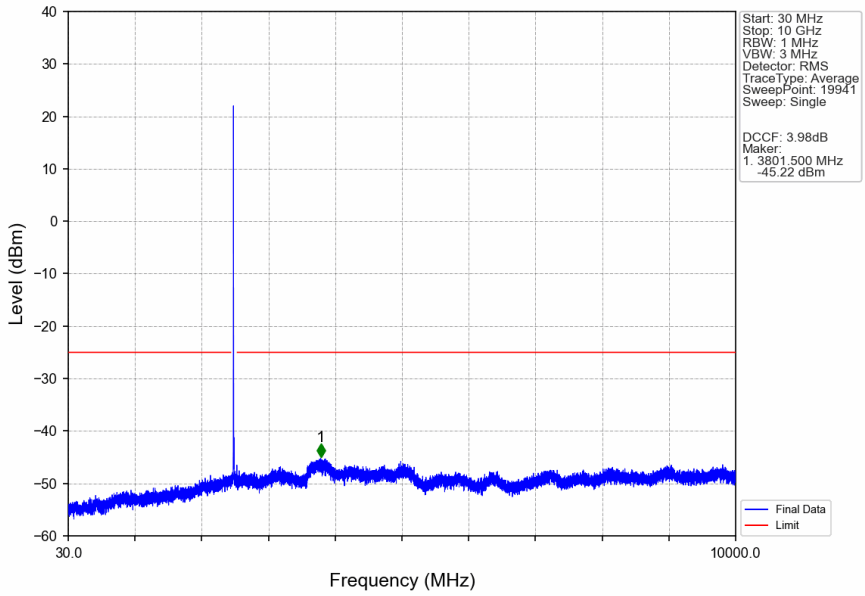
5.2.4 B41_20MHz

Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

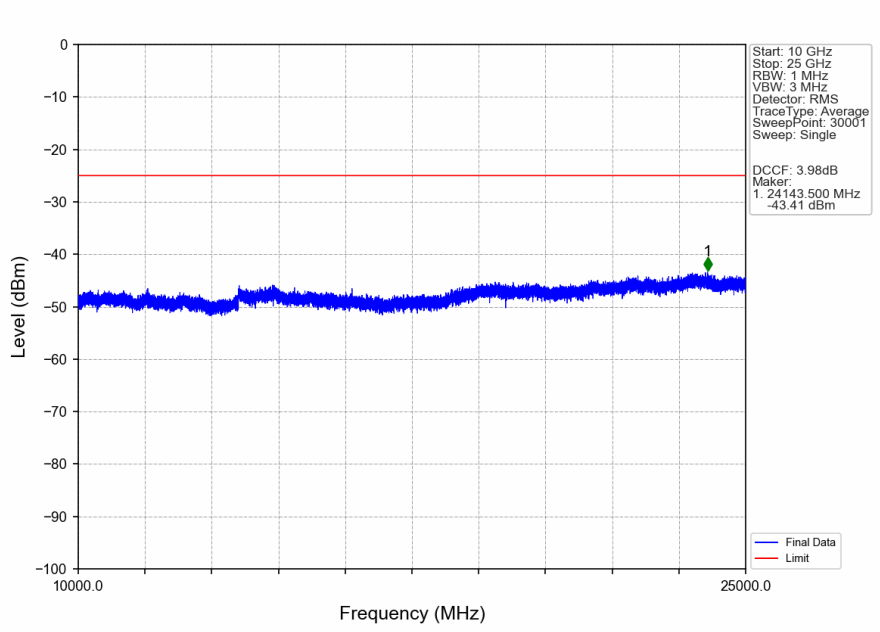


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-42.73	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-34.34	-13	Pass
2495	2496	0.01	/	3	2495.930	-38.54	-13	Pass
2496	2516	0.01	/	/	/	/	/	/

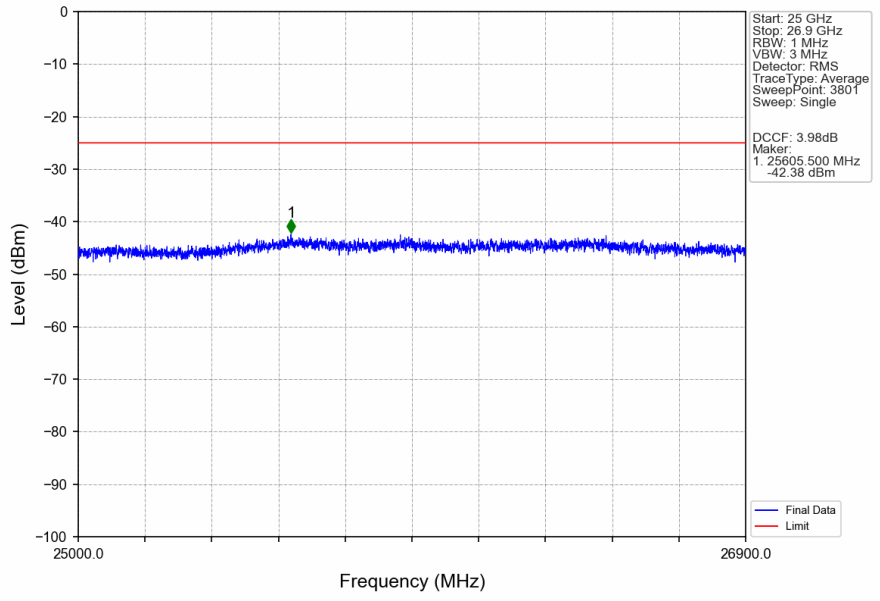
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



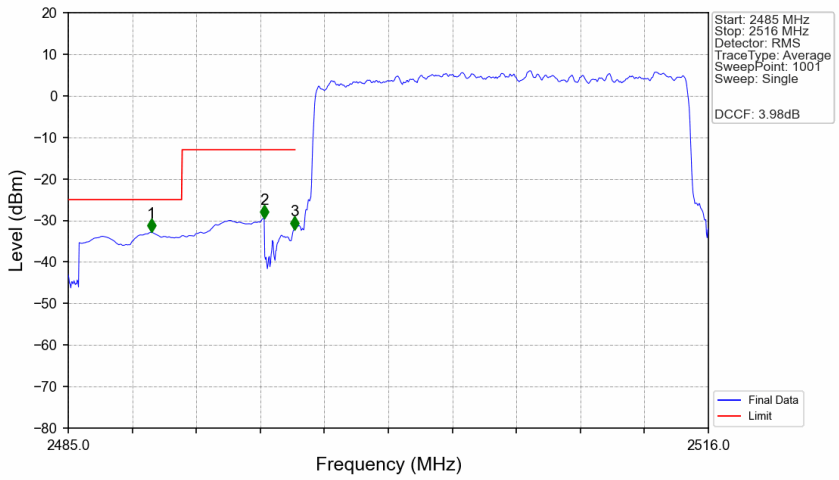
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

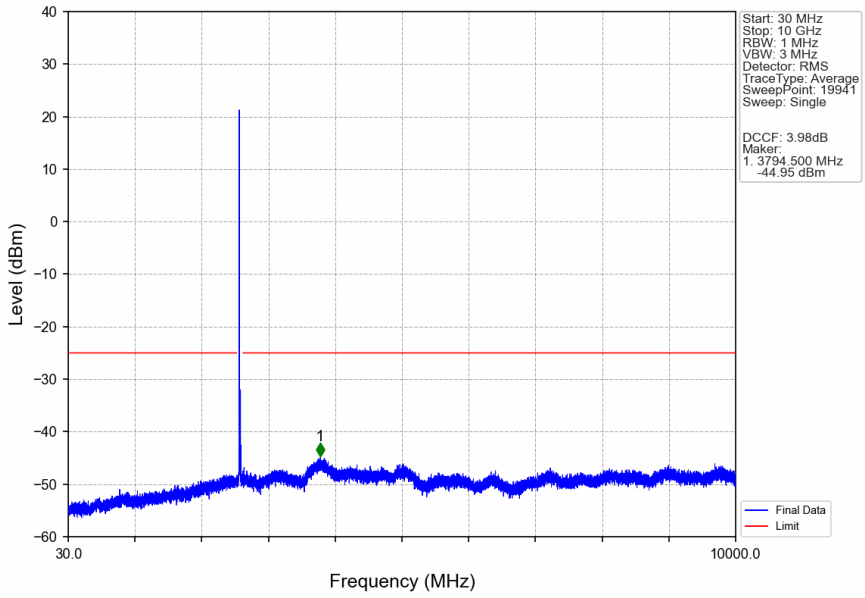


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

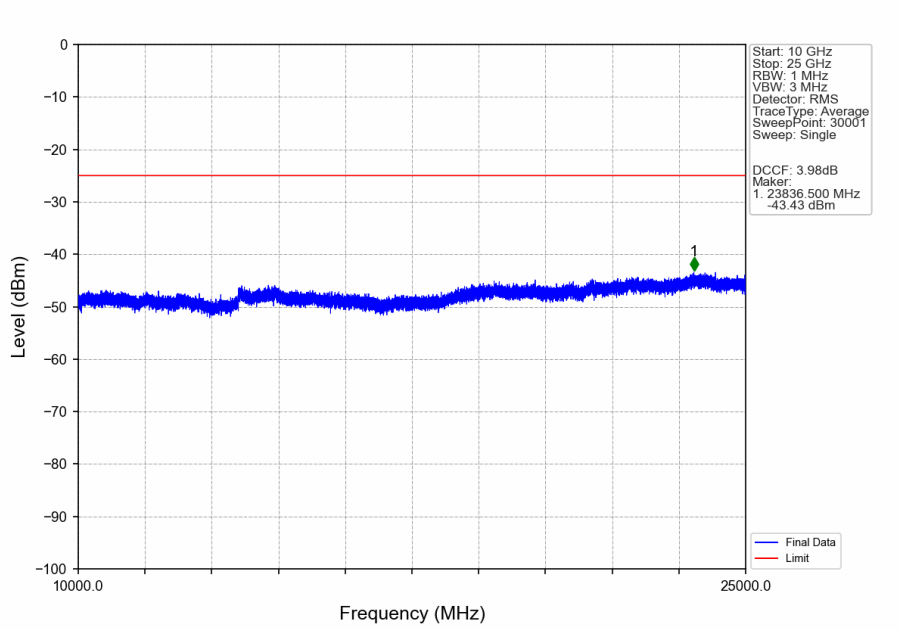


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.030	-32.85	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-29.55	-13	Pass
2495	2496	0.205	CHP	3	2495.974	-32.14	-13	Pass
2496	2516	0.205	CHP	/	/	/	/	/

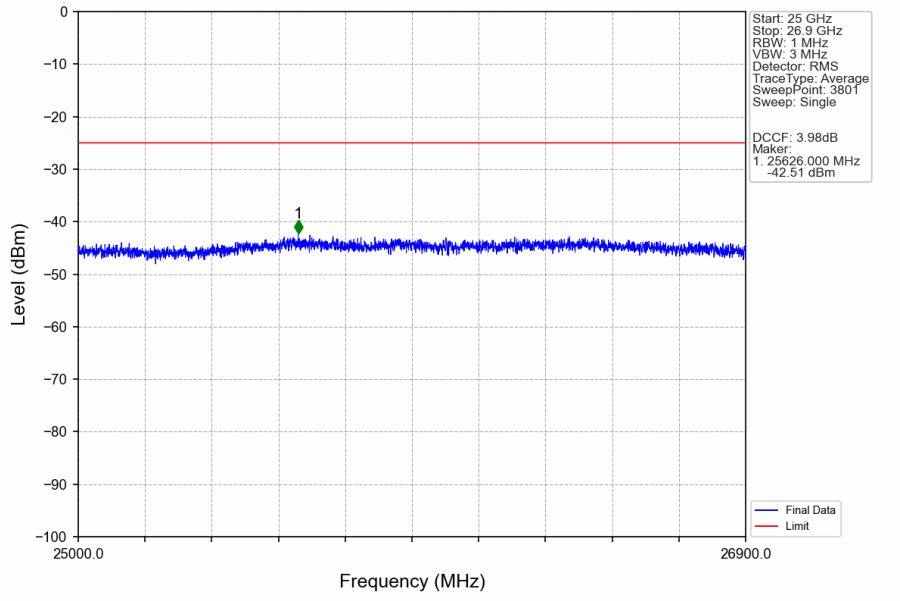
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



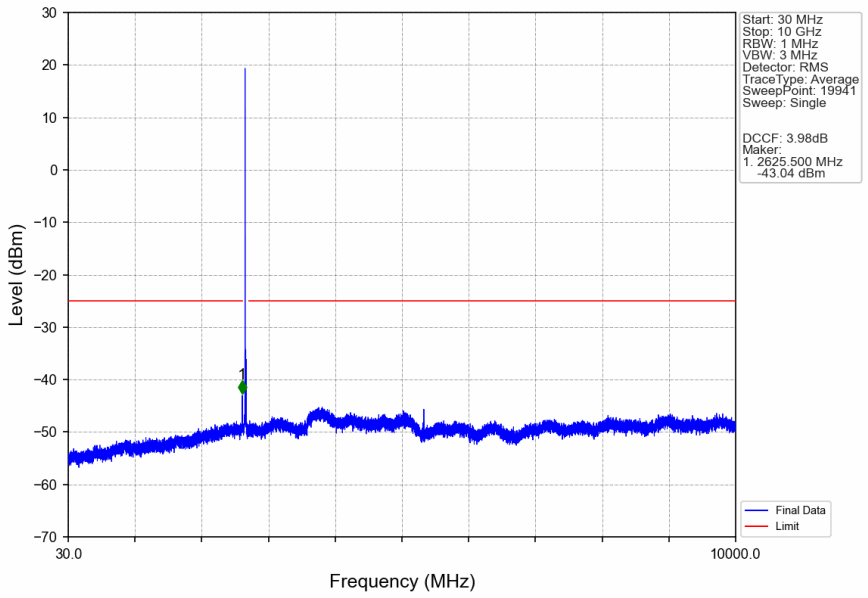
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



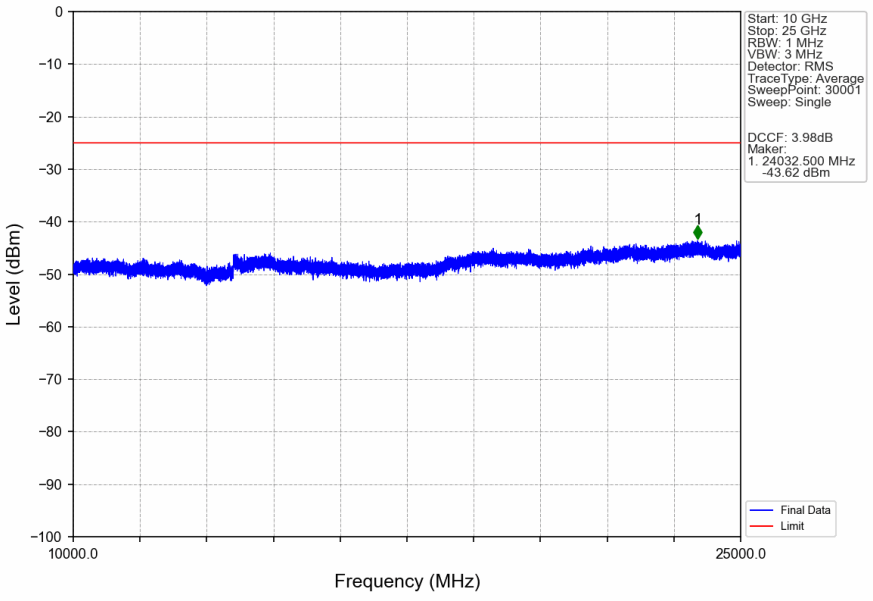
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



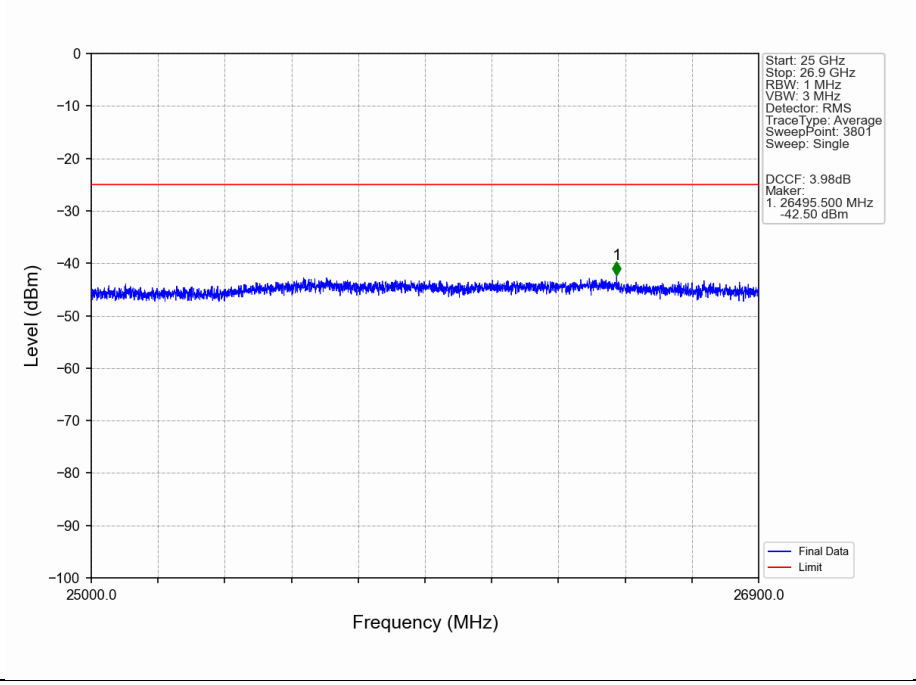
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



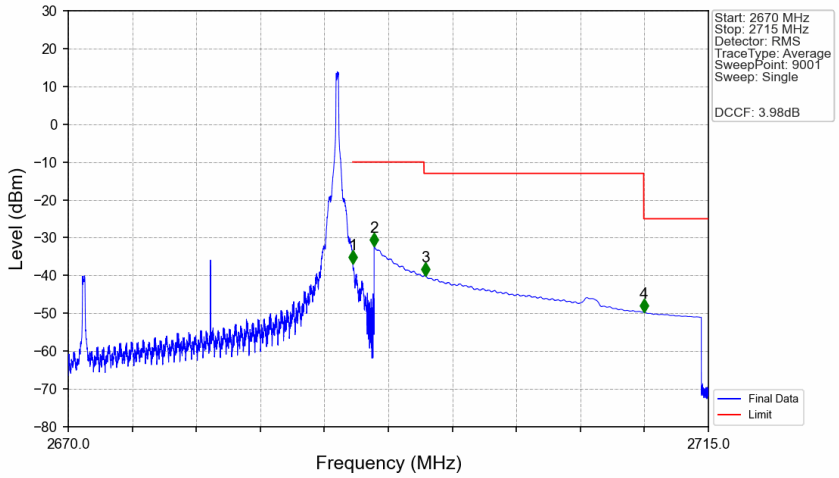
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV

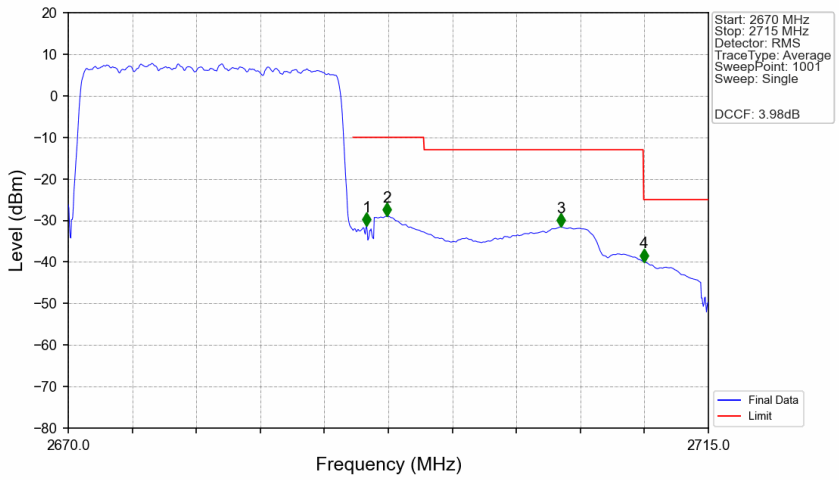


Band41_20MHz_QPSK_HCH_2680MHz_RB_1_99_NTNV



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	-36.83	-10	Pass
2691	2695	1	CHP	2	2691.500	-32.20	-10	Pass
2695	2710.453	1	CHP	3	2695.105	-40.00	-13	Pass
2710.453	2715	1	CHP	4	2710.455	-49.71	-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	0.409	CHP	/	/	/	/	/
2690	2691	0.409	CHP	1	2690.970	-31.39	-10	Pass
2691	2695	1	CHP	2	2692.410	-28.98	-10	Pass
2695	2710.453	1	CHP	3	2704.605	-31.51	-13	Pass
2710.453	2715	1	CHP	4	2710.455	-39.96	-25	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**
5012.0	-55.46	-25	-30.46	-61.04	4.57	10.15	Horizontal	Pass
7518.0	-54.02	-25	-29.02	-60.84	4.94	11.76	Horizontal	Pass
10024.0	-53.99	-25	-28.99	-61.56	5.46	13.03	Horizontal	Pass
5012.0	-55.1	-25	-30.1	-60.68	4.57	10.15	Vertical	Pass
7518.0	-54.33	-25	-29.33	-61.15	4.94	11.76	Vertical	Pass
10024.0	-54.84	-25	-29.84	-62.41	5.46	13.03	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**
5186.0	-55.58	-25	-30.58	-61.21	4.63	10.26	Horizontal	Pass
7779.0	-54.17	-25	-29.17	-61.28	4.96	12.07	Horizontal	Pass
10372.0	-54.62	-25	-29.62	-62.2	5.52	13.1	Horizontal	Pass
5186.0	-55.19	-25	-30.19	-60.82	4.63	10.26	Vertical	Pass
7779.0	-56.33	-25	-31.33	-63.44	4.96	12.07	Vertical	Pass
10372.0	-57.56	-25	-32.56	-65.14	5.52	13.1	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**
5360.0	-54.82	-25	-29.82	-60.49	4.69	10.36	Horizontal	Pass
8040.0	-55.81	-25	-30.81	-63.2	4.99	12.38	Horizontal	Pass
10720.0	-52.82	-25	-27.82	-60.36	5.65	13.19	Horizontal	Pass
5360.0	-54.55	-25	-29.55	-60.22	4.69	10.36	Vertical	Pass
8040.0	-57.14	-25	-32.14	-64.53	4.99	12.38	Vertical	Pass
10720.0	-52.71	-25	-27.71	-60.25	5.65	13.19	Vertical	Pass