

1. Effective (Isotropic) Radiated Power Output Data

1.1 B41_5MHz_EIRP

1.1.1 Test Result

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	21.09	0.5	21.59	<=33.01	Pass
			13	21.32	0.5	21.82	<=33.01	Pass
			24	21.10	0.5	21.6	<=33.01	Pass
		12	0	20.25	0.5	20.75	<=33.01	Pass
			6	20.29	0.5	20.79	<=33.01	Pass
			13	20.21	0.5	20.71	<=33.01	Pass
		25	0	20.24	0.5	20.74	<=33.01	Pass
	2593	1	0	21.16	0.5	21.66	<=33.01	Pass
			13	21.39	0.5	21.89	<=33.01	Pass
			24	21.34	0.5	21.84	<=33.01	Pass
		12	0	20.38	0.5	20.88	<=33.01	Pass
			6	20.39	0.5	20.89	<=33.01	Pass
			13	20.37	0.5	20.87	<=33.01	Pass
		25	0	20.41	0.5	20.91	<=33.01	Pass
	2687.5	1	0	22.08	0.5	22.58	<=33.01	Pass
			13	22.17	0.5	22.67	<=33.01	Pass
			24	22.06	0.5	22.56	<=33.01	Pass
		12	0	21.03	0.5	21.53	<=33.01	Pass
			6	21.13	0.5	21.63	<=33.01	Pass
			13	21.05	0.5	21.55	<=33.01	Pass
		25	0	21.05	0.5	21.55	<=33.01	Pass
16QAM	2498.5	1	0	20.32	0.5	20.82	<=33.01	Pass
			13	20.26	0.5	20.76	<=33.01	Pass
			24	20.17	0.5	20.67	<=33.01	Pass
		12	0	19.15	0.5	19.65	<=33.01	Pass
			6	19.28	0.5	19.78	<=33.01	Pass
			13	19.17	0.5	19.67	<=33.01	Pass
	25	0	19.24	0.5	19.74	<=33.01	Pass	
	2593	1	0	20.09	0.5	20.59	<=33.01	Pass
			13	20.45	0.5	20.95	<=33.01	Pass
			24	20.47	0.5	20.97	<=33.01	Pass
		12	0	19.37	0.5	19.87	<=33.01	Pass
			6	19.40	0.5	19.9	<=33.01	Pass
			13	19.30	0.5	19.8	<=33.01	Pass
	25	0	19.36	0.5	19.86	<=33.01	Pass	
	2687.5	1	0	21.26	0.5	21.76	<=33.01	Pass
			13	21.18	0.5	21.68	<=33.01	Pass
			24	21.00	0.5	21.5	<=33.01	Pass
		12	0	20.05	0.5	20.55	<=33.01	Pass
6			19.97	0.5	20.47	<=33.01	Pass	
13			19.93	0.5	20.43	<=33.01	Pass	
25	0	20.02	0.5	20.52	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B41_10MHz_EIRP

1.2.1 Test Result

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	21.38	0.5	21.88	<=33.01	Pass
			25	21.51	0.5	22.01	<=33.01	Pass
			49	21.33	0.5	21.83	<=33.01	Pass
		25	0	20.27	0.5	20.77	<=33.01	Pass
			13	20.26	0.5	20.76	<=33.01	Pass
			25	20.31	0.5	20.81	<=33.01	Pass
		50	0	20.21	0.5	20.71	<=33.01	Pass
	2593	1	0	21.43	0.5	21.93	<=33.01	Pass
			25	21.57	0.5	22.07	<=33.01	Pass
			49	21.53	0.5	22.03	<=33.01	Pass
		25	0	20.47	0.5	20.97	<=33.01	Pass
			13	20.42	0.5	20.92	<=33.01	Pass
			25	20.49	0.5	20.99	<=33.01	Pass
		50	0	20.43	0.5	20.93	<=33.01	Pass
	2685	1	0	22.05	0.5	22.55	<=33.01	Pass
			25	22.24	0.5	22.74	<=33.01	Pass
			49	22.09	0.5	22.59	<=33.01	Pass
		25	0	21.08	0.5	21.58	<=33.01	Pass
			13	21.07	0.5	21.57	<=33.01	Pass
			25	21.16	0.5	21.66	<=33.01	Pass
		50	0	21.14	0.5	21.64	<=33.01	Pass
16QAM	2501	1	0	20.23	0.5	20.73	<=33.01	Pass
			25	20.25	0.5	20.75	<=33.01	Pass
			49	19.93	0.5	20.43	<=33.01	Pass
		25	0	19.18	0.5	19.68	<=33.01	Pass
			13	19.24	0.5	19.74	<=33.01	Pass
			25	19.25	0.5	19.75	<=33.01	Pass
		50	0	19.20	0.5	19.7	<=33.01	Pass
	2593	1	0	20.29	0.5	20.79	<=33.01	Pass
			25	20.48	0.5	20.98	<=33.01	Pass
			49	20.32	0.5	20.82	<=33.01	Pass
		25	0	19.46	0.5	19.96	<=33.01	Pass
			13	19.46	0.5	19.96	<=33.01	Pass
			25	19.47	0.5	19.97	<=33.01	Pass
		50	0	19.48	0.5	19.98	<=33.01	Pass
	2685	1	0	21.09	0.5	21.59	<=33.01	Pass
			25	21.23	0.5	21.73	<=33.01	Pass
			49	21.09	0.5	21.59	<=33.01	Pass
		25	0	20.12	0.5	20.62	<=33.01	Pass
			13	20.09	0.5	20.59	<=33.01	Pass
			25	20.11	0.5	20.61	<=33.01	Pass
		50	0	20.08	0.5	20.58	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B41_15MHz_EIRP

1.3.1 Test Result

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	21.15	0.5	21.65	<=33.01	Pass	
			38	21.40	0.5	21.9	<=33.01	Pass	
			74	21.22	0.5	21.72	<=33.01	Pass	
		36	0	20.35	0.5	20.85	<=33.01	Pass	
			18	20.29	0.5	20.79	<=33.01	Pass	
			39	20.31	0.5	20.81	<=33.01	Pass	
		75	0	20.31	0.5	20.81	<=33.01	Pass	
		2593	1	0	21.32	0.5	21.82	<=33.01	Pass
				38	21.52	0.5	22.02	<=33.01	Pass
	74			21.37	0.5	21.87	<=33.01	Pass	
	36		0	20.49	0.5	20.99	<=33.01	Pass	
			18	20.54	0.5	21.04	<=33.01	Pass	
			39	20.51	0.5	21.01	<=33.01	Pass	
	75	0	20.56	0.5	21.06	<=33.01	Pass		
	2682.5	1	0	21.93	0.5	22.43	<=33.01	Pass	
			38	22.09	0.5	22.59	<=33.01	Pass	
			74	22.02	0.5	22.52	<=33.01	Pass	
		36	0	21.15	0.5	21.65	<=33.01	Pass	
			18	21.16	0.5	21.66	<=33.01	Pass	
			39	21.19	0.5	21.69	<=33.01	Pass	
		75	0	21.13	0.5	21.63	<=33.01	Pass	
16QAM		2503.5	1	0	20.43	0.5	20.93	<=33.01	Pass
	38			20.15	0.5	20.65	<=33.01	Pass	
	74			19.89	0.5	20.39	<=33.01	Pass	
	36		0	19.18	0.5	19.68	<=33.01	Pass	
			18	19.25	0.5	19.75	<=33.01	Pass	
			39	19.28	0.5	19.78	<=33.01	Pass	
	75		0	19.33	0.5	19.83	<=33.01	Pass	
	2593		1	0	20.17	0.5	20.67	<=33.01	Pass
				38	20.33	0.5	20.83	<=33.01	Pass
		74		20.17	0.5	20.67	<=33.01	Pass	
		36	0	19.37	0.5	19.87	<=33.01	Pass	
			18	19.38	0.5	19.88	<=33.01	Pass	
			39	19.48	0.5	19.98	<=33.01	Pass	
	75	0	19.41	0.5	19.91	<=33.01	Pass		
	2682.5	1	0	20.97	0.5	21.47	<=33.01	Pass	
			38	21.04	0.5	21.54	<=33.01	Pass	
			74	20.96	0.5	21.46	<=33.01	Pass	
		36	0	20.05	0.5	20.55	<=33.01	Pass	
			18	20.08	0.5	20.58	<=33.01	Pass	
			39	20.07	0.5	20.57	<=33.01	Pass	
		75	0	20.08	0.5	20.58	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.4 B41_20MHz_EIRP

1.4.1 Test Result

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	20.97	0.5	21.47	<=33.01	Pass
			50	21.37	0.5	21.87	<=33.01	Pass
			99	21.02	0.5	21.52	<=33.01	Pass
		50	0	20.12	0.5	20.62	<=33.01	Pass
			25	20.18	0.5	20.68	<=33.01	Pass
			50	20.16	0.5	20.66	<=33.01	Pass
		100	0	20.17	0.5	20.67	<=33.01	Pass
	2593	1	0	21.18	0.5	21.68	<=33.01	Pass
			50	21.67	0.5	22.17	<=33.01	Pass
			99	21.32	0.5	21.82	<=33.01	Pass
		50	0	20.28	0.5	20.78	<=33.01	Pass
			25	20.46	0.5	20.96	<=33.01	Pass
			50	20.44	0.5	20.94	<=33.01	Pass
		100	0	20.41	0.5	20.91	<=33.01	Pass
	2680	1	0	21.90	0.5	22.4	<=33.01	Pass
			50	22.26	0.5	22.76	<=33.01	Pass
			99	21.88	0.5	22.38	<=33.01	Pass
		50	0	20.99	0.5	21.49	<=33.01	Pass
			25	21.07	0.5	21.57	<=33.01	Pass
			50	21.07	0.5	21.57	<=33.01	Pass
		100	0	20.97	0.5	21.47	<=33.01	Pass
16QAM	2506	1	0	19.54	0.5	20.04	<=33.01	Pass
			50	20.34	0.5	20.84	<=33.01	Pass
			99	19.97	0.5	20.47	<=33.01	Pass
		50	0	19.13	0.5	19.63	<=33.01	Pass
			25	19.17	0.5	19.67	<=33.01	Pass
			50	19.18	0.5	19.68	<=33.01	Pass
		100	0	19.14	0.5	19.64	<=33.01	Pass
	2593	1	0	19.86	0.5	20.36	<=33.01	Pass
			50	20.33	0.5	20.83	<=33.01	Pass
			99	19.98	0.5	20.48	<=33.01	Pass
		50	0	19.34	0.5	19.84	<=33.01	Pass
			25	19.40	0.5	19.9	<=33.01	Pass
			50	19.49	0.5	19.99	<=33.01	Pass
		100	0	19.44	0.5	19.94	<=33.01	Pass
	2680	1	0	20.74	0.5	21.24	<=33.01	Pass
			50	21.13	0.5	21.63	<=33.01	Pass
			99	20.84	0.5	21.34	<=33.01	Pass
		50	0	19.95	0.5	20.45	<=33.01	Pass
			25	20.05	0.5	20.55	<=33.01	Pass
			50	19.97	0.5	20.47	<=33.01	Pass
		100	0	20.02	0.5	20.52	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

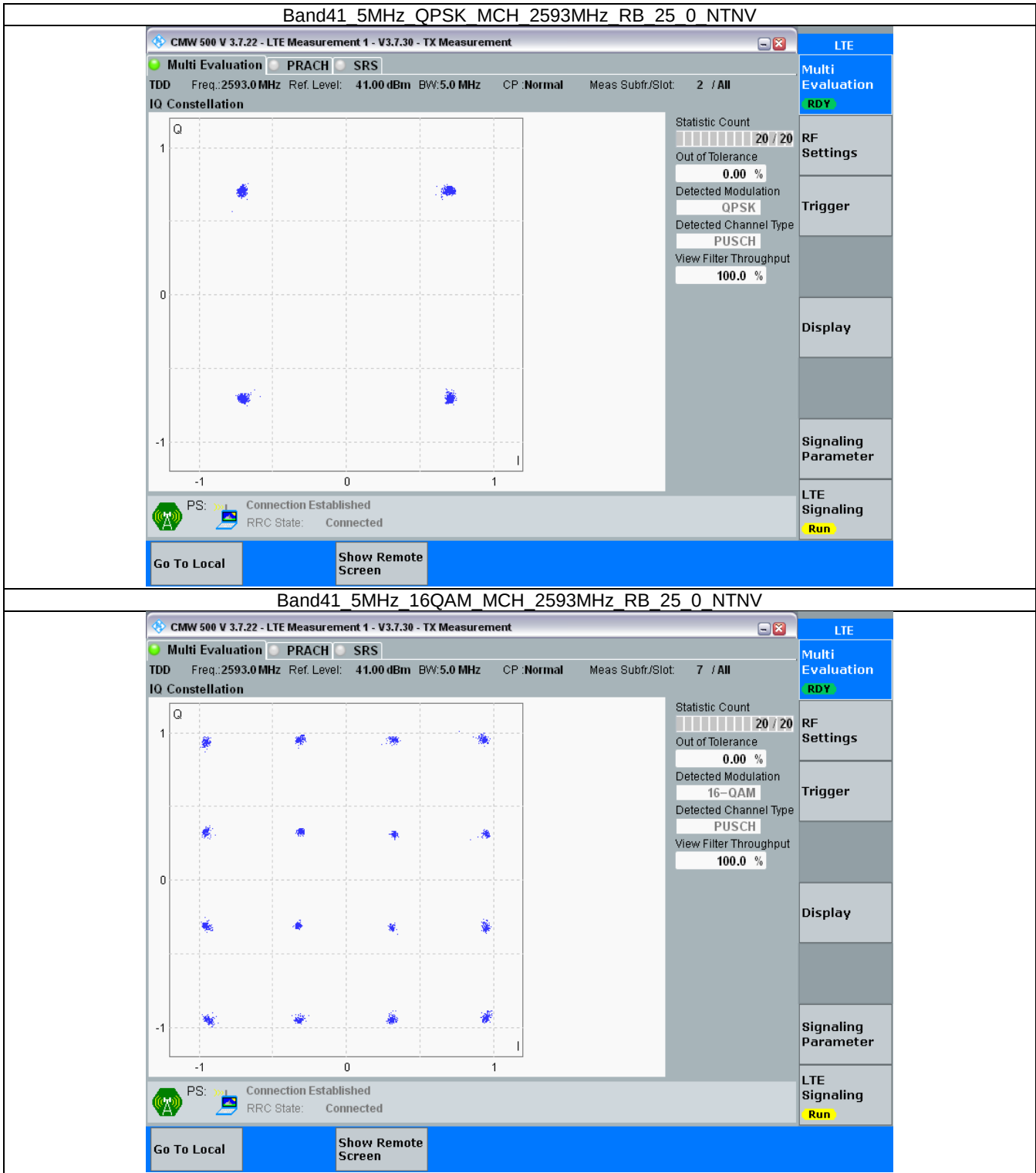
3. Modulation Characteristics

3.1 B41_5MHz

3.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	25	0	Refer To Test Graph		Pass
16QAM	2593	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

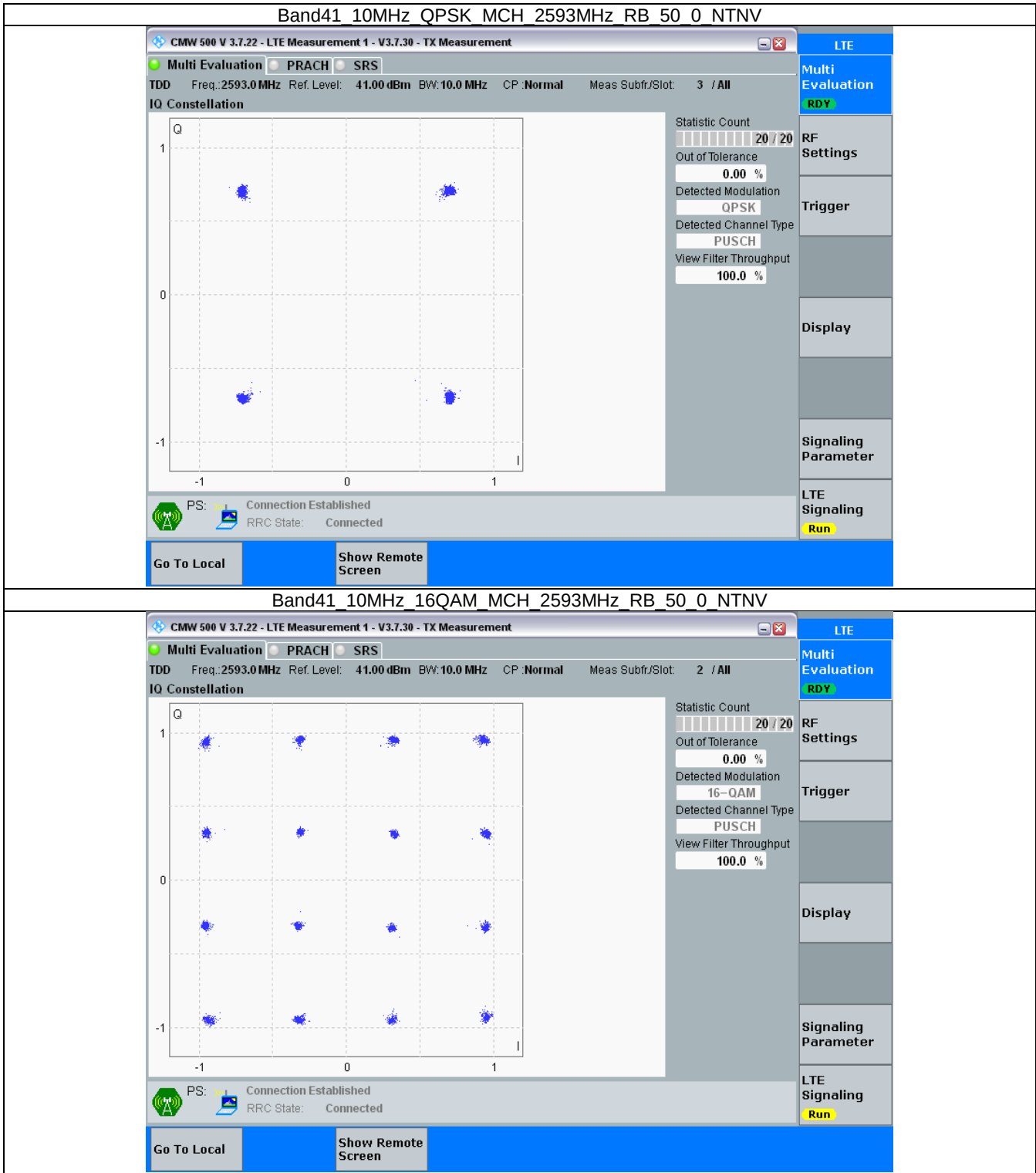


3.2 B41_10MHz

3.2.1 Test Result

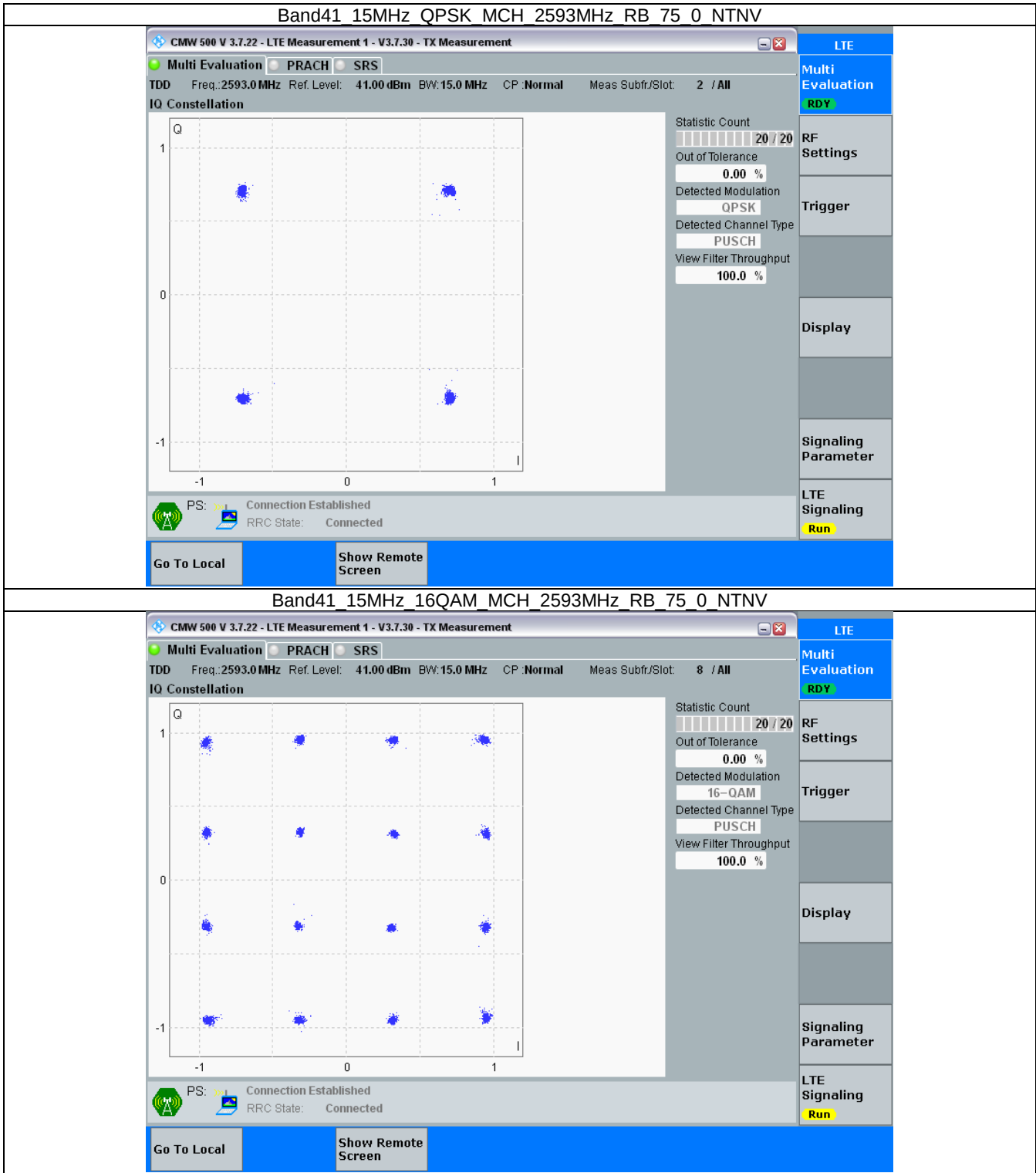
Band: 41 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	50	0	Refer To Test Graph		Pass
16QAM	2593	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph



Band: 41 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	75	0	Refer To Test Graph		Pass
16QAM	2593	75	0	Refer To Test Graph		Pass

3.3.2 Test Graph

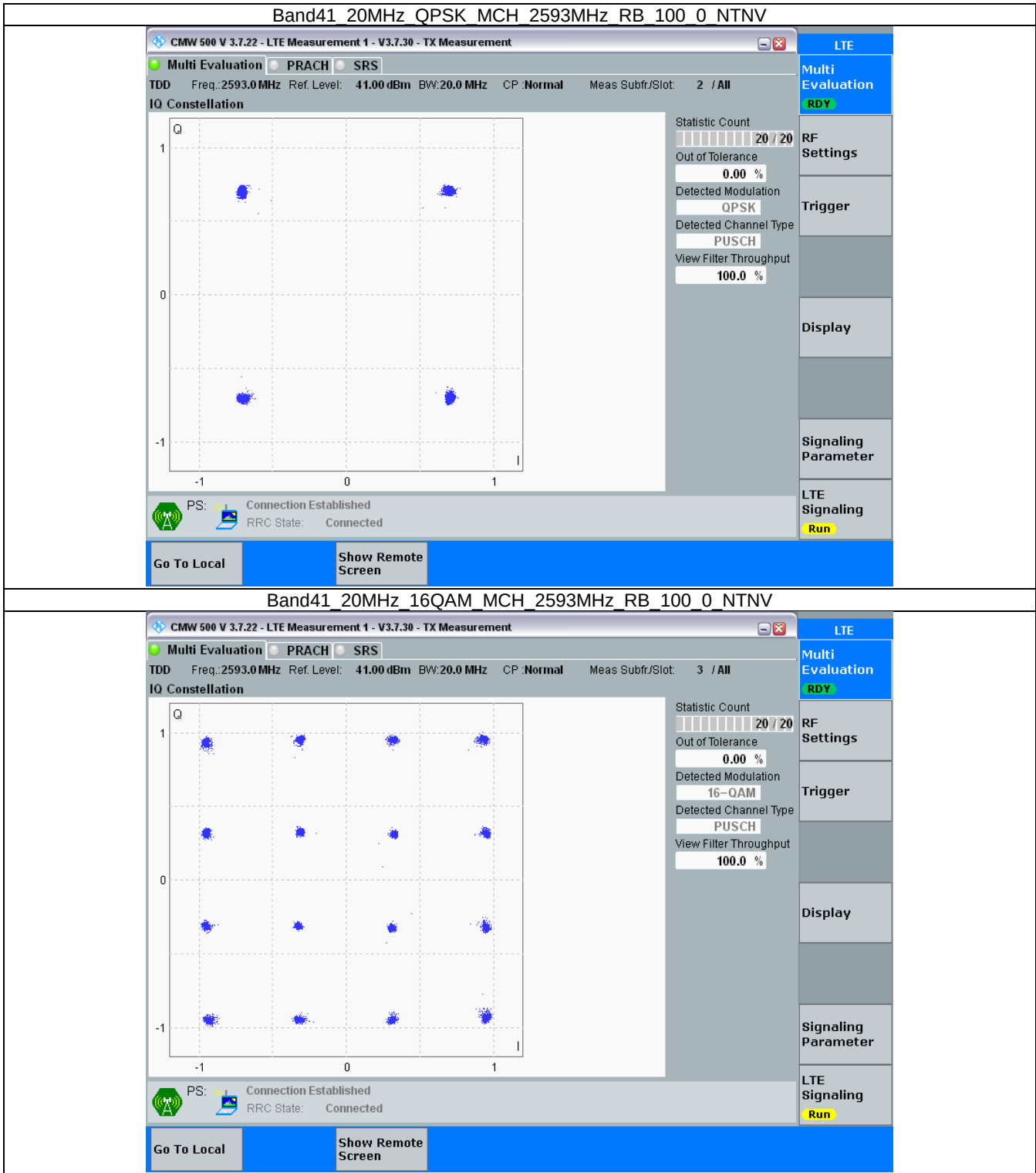


3.4 B41_20MHz

3.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	Refer To Test Graph		Pass
16QAM	2593	100	0	Refer To Test Graph		Pass

3.4.2 Test Graph



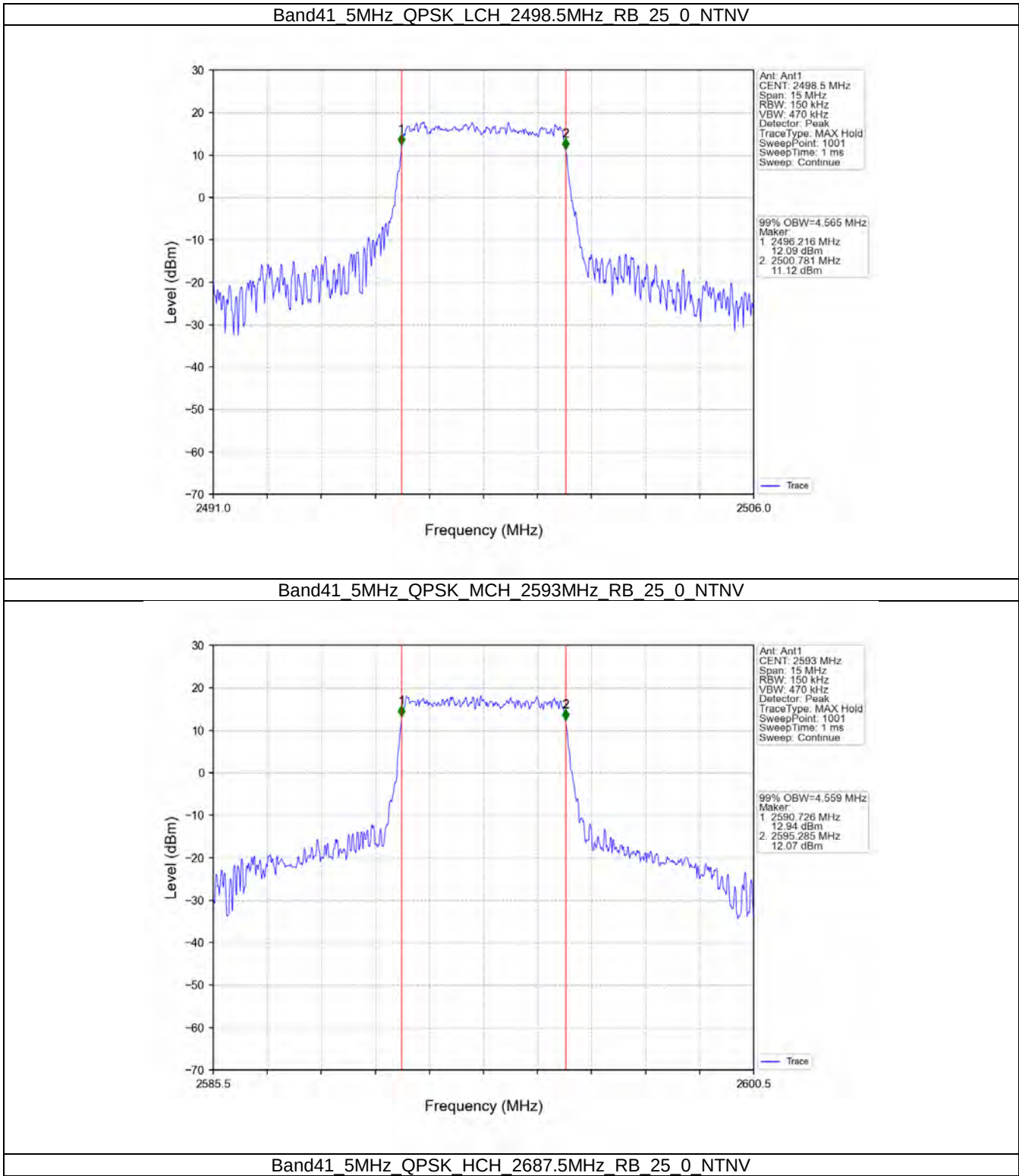
4. 99% & 26dB Bandwidth

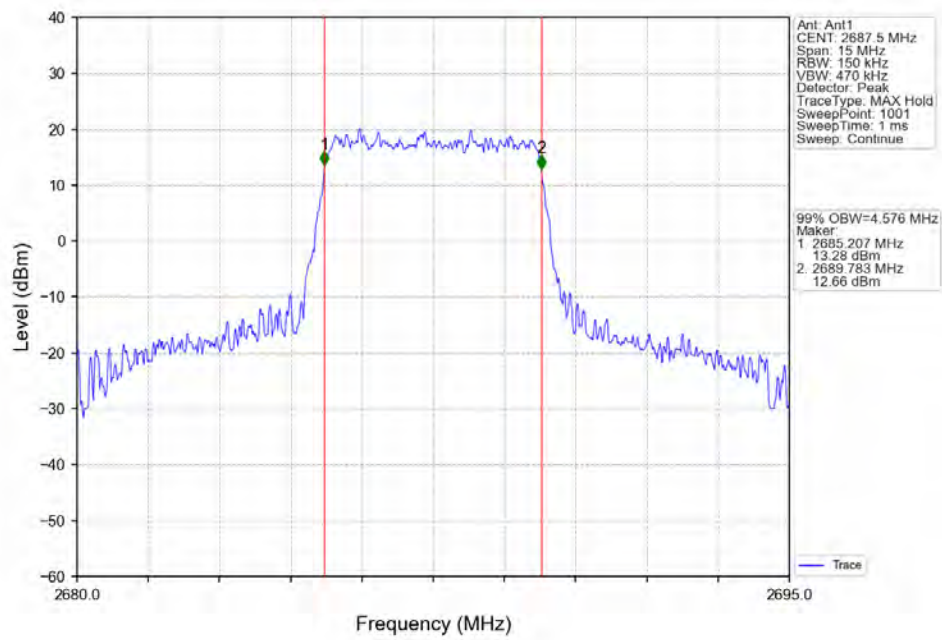
4.1 Band41_OBW

4.1.1 Test Result

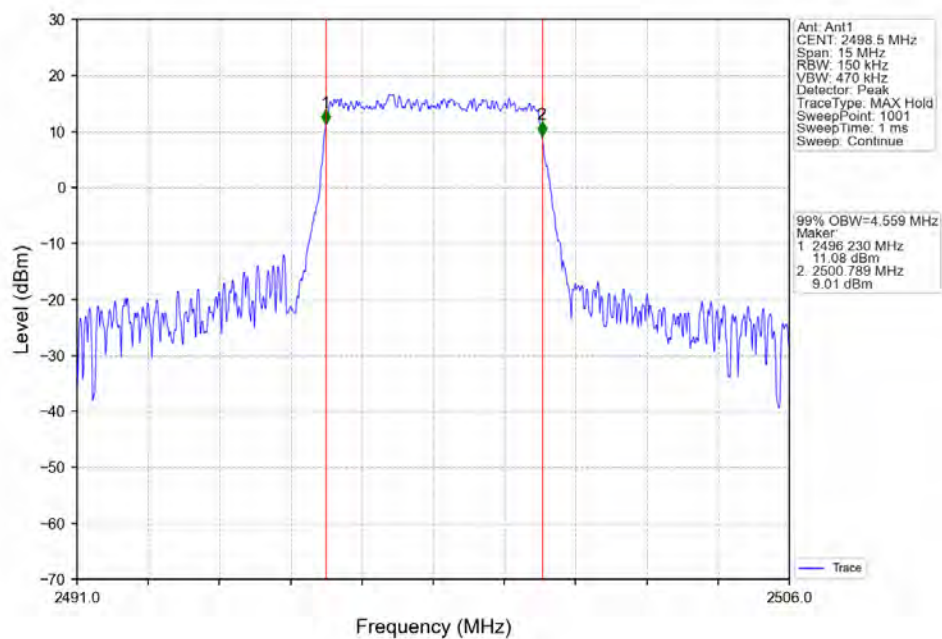
Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	4.565	Pass
		2593	25	0	4.559	Pass
		2687.5	25	0	4.576	Pass
	16QAM	2498.5	25	0	4.559	Pass
		2593	25	0	4.624	Pass
		2687.5	25	0	4.579	Pass
10	QPSK	2501	50	0	9.071	Pass
		2593	50	0	9.084	Pass
		2685	50	0	9.102	Pass
	16QAM	2501	50	0	9.097	Pass
		2593	50	0	9.083	Pass
		2685	50	0	9.085	Pass
15	QPSK	2503.5	75	0	13.612	Pass
		2593	75	0	13.596	Pass
		2682.5	75	0	13.650	Pass
	16QAM	2503.5	75	0	13.710	Pass
		2593	75	0	13.650	Pass
		2682.5	75	0	13.599	Pass
20	QPSK	2506	100	0	18.205	Pass
		2593	100	0	18.132	Pass
		2680	100	0	18.166	Pass
	16QAM	2506	100	0	18.166	Pass
		2593	100	0	18.168	Pass
		2680	100	0	18.166	Pass

4.1.2 Test Graph

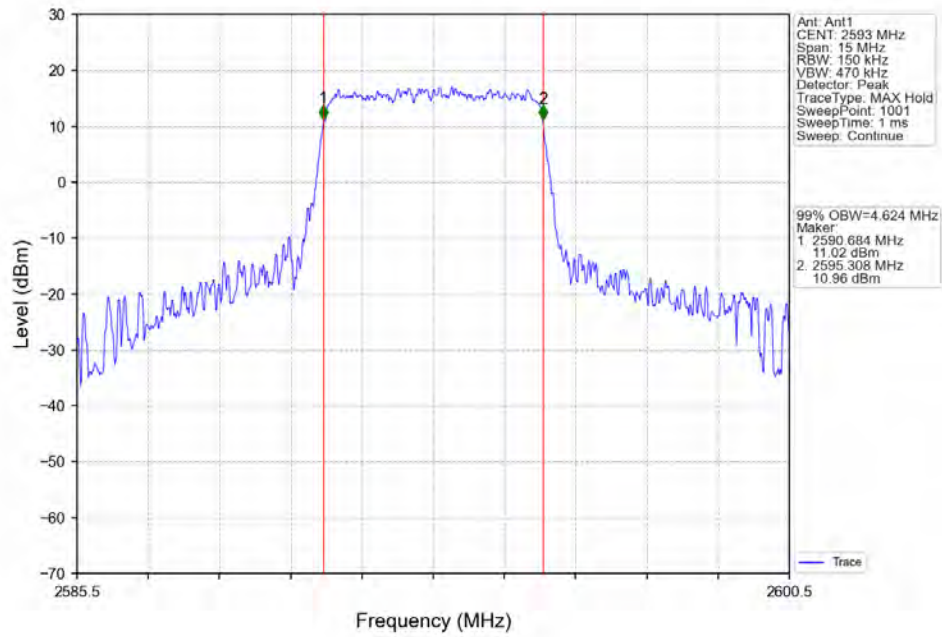




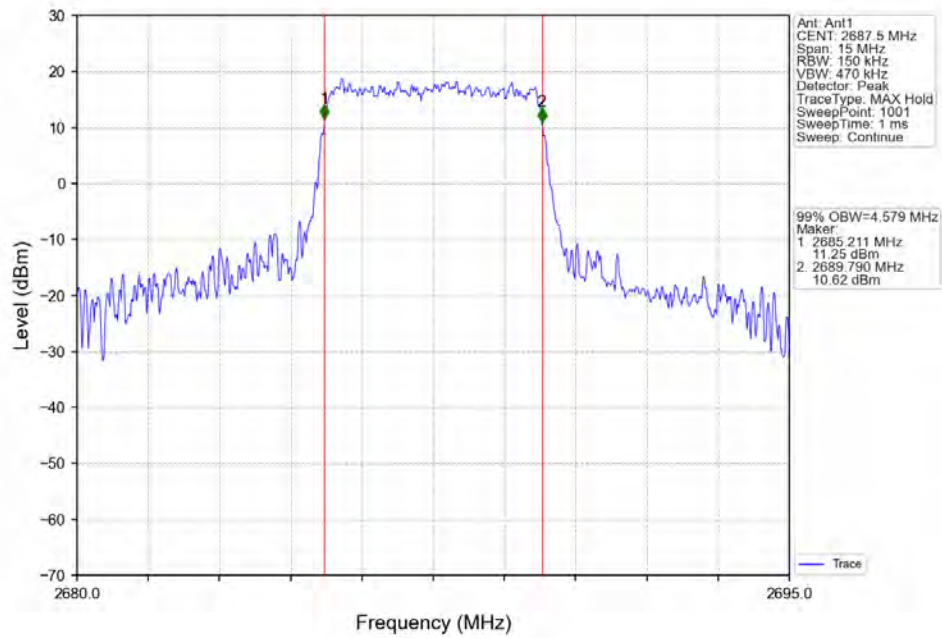
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



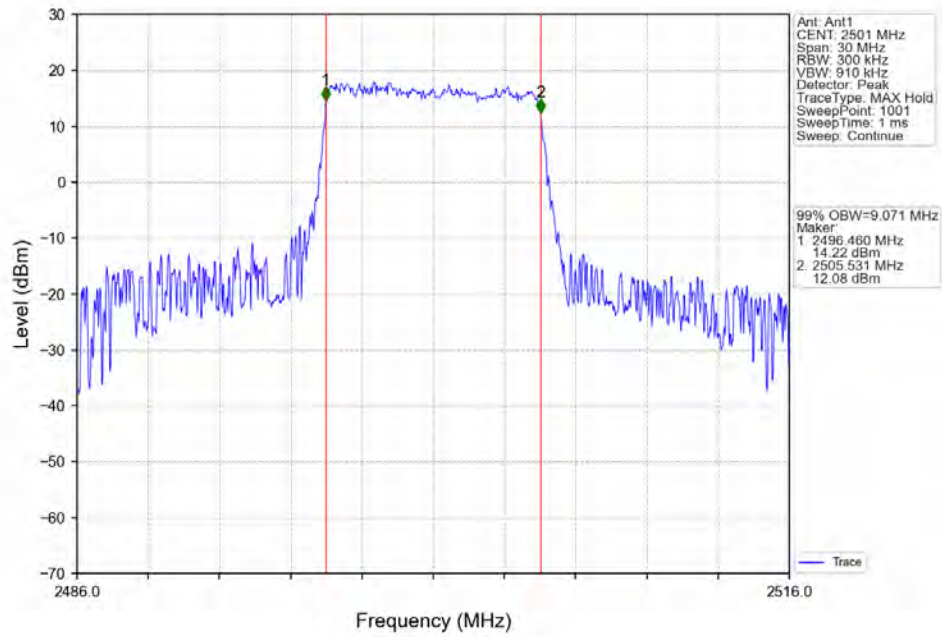
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



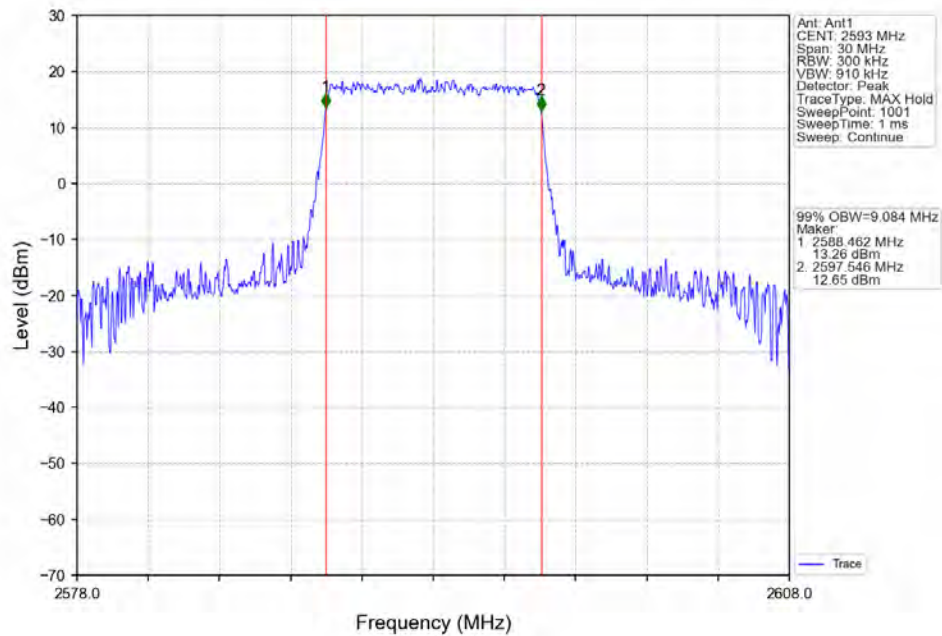
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



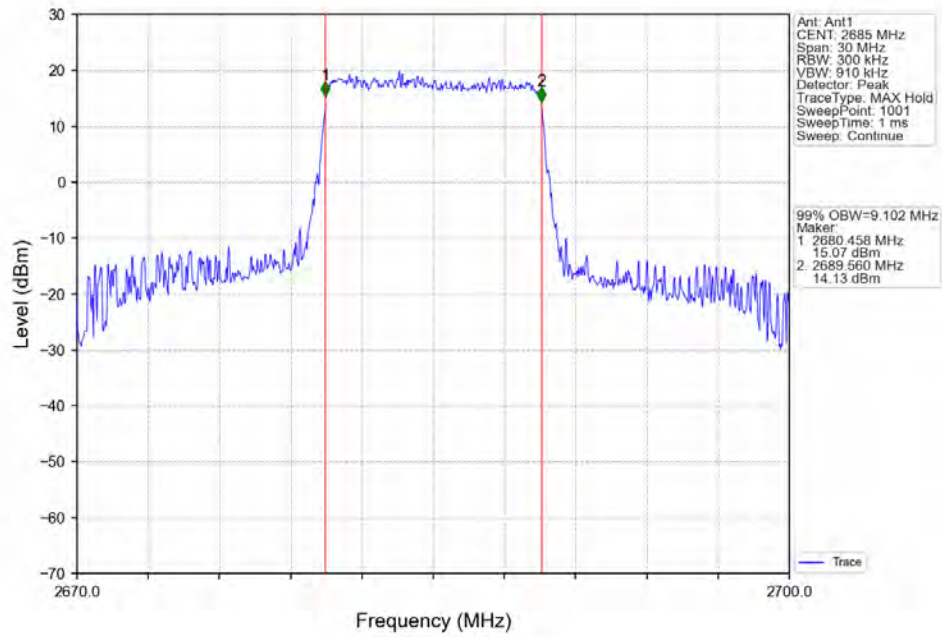
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



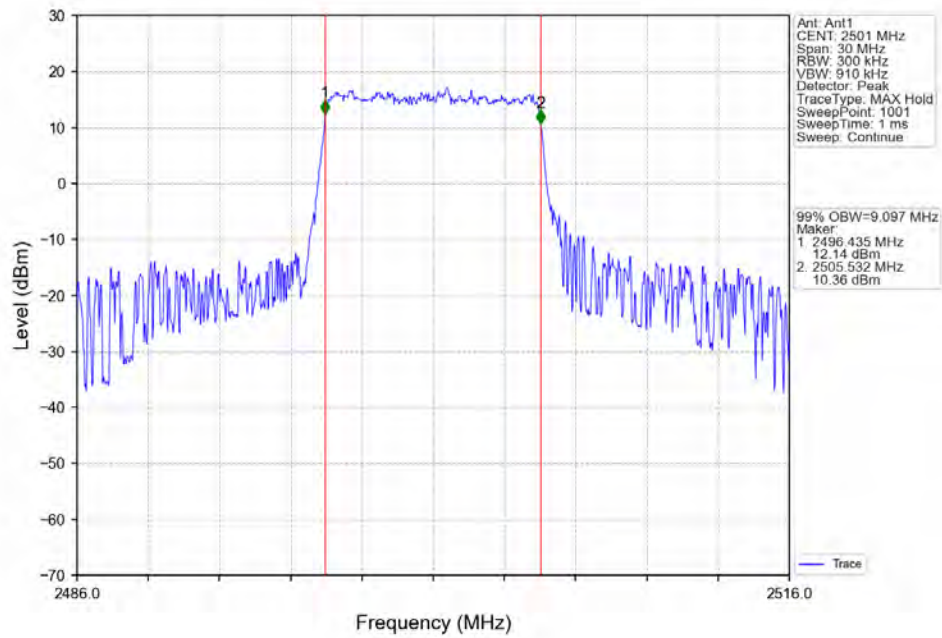
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



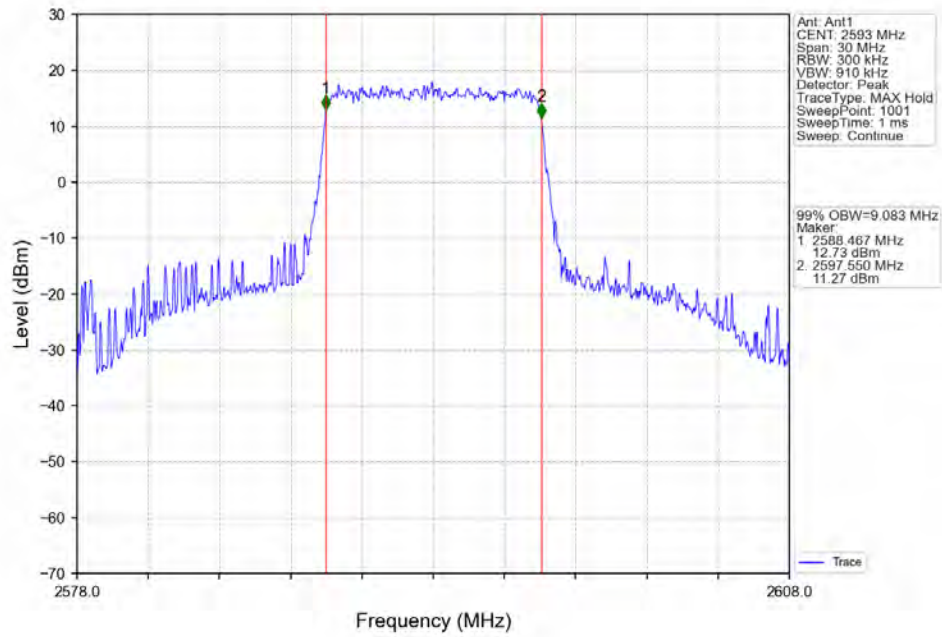
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



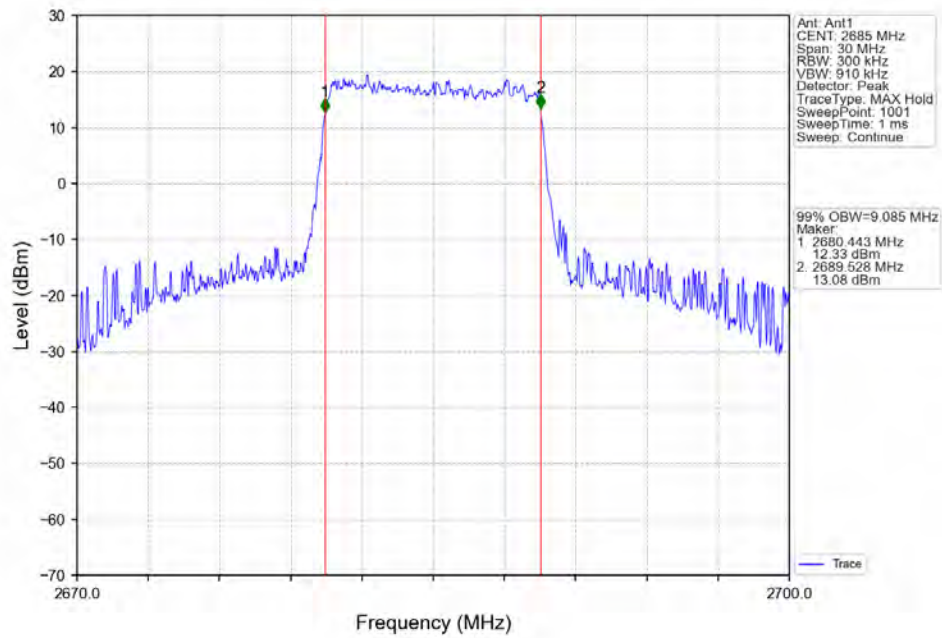
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



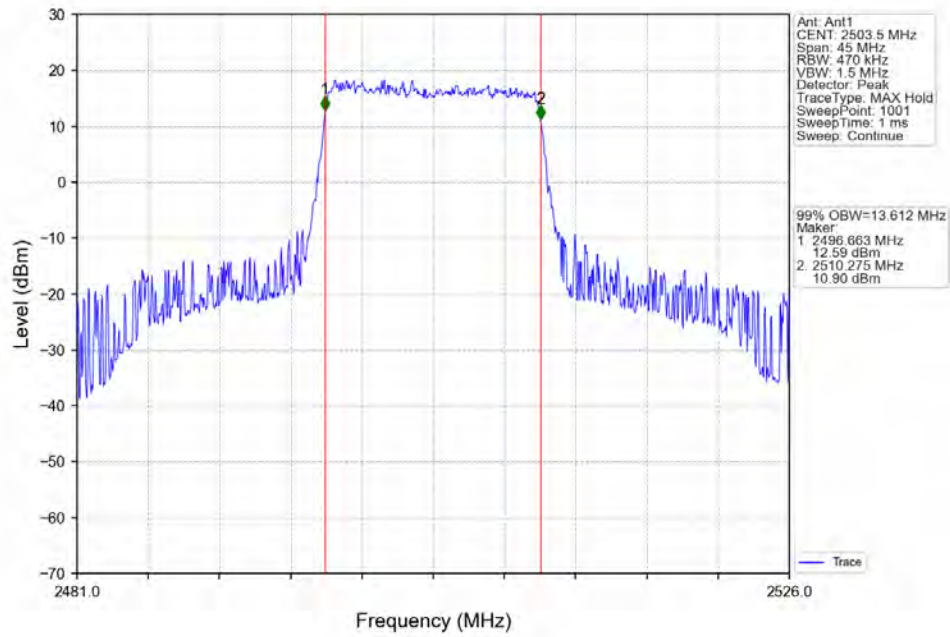
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



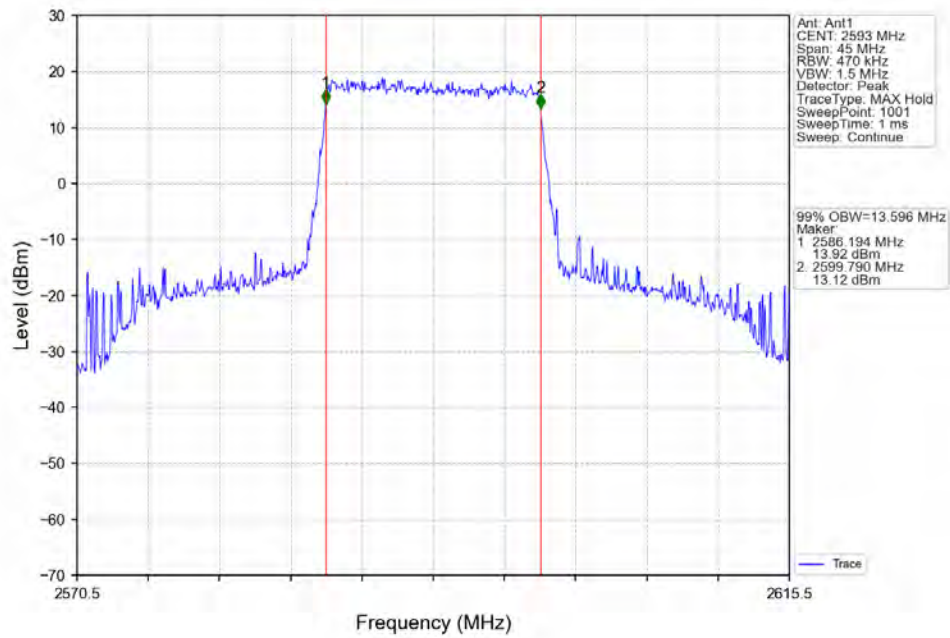
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



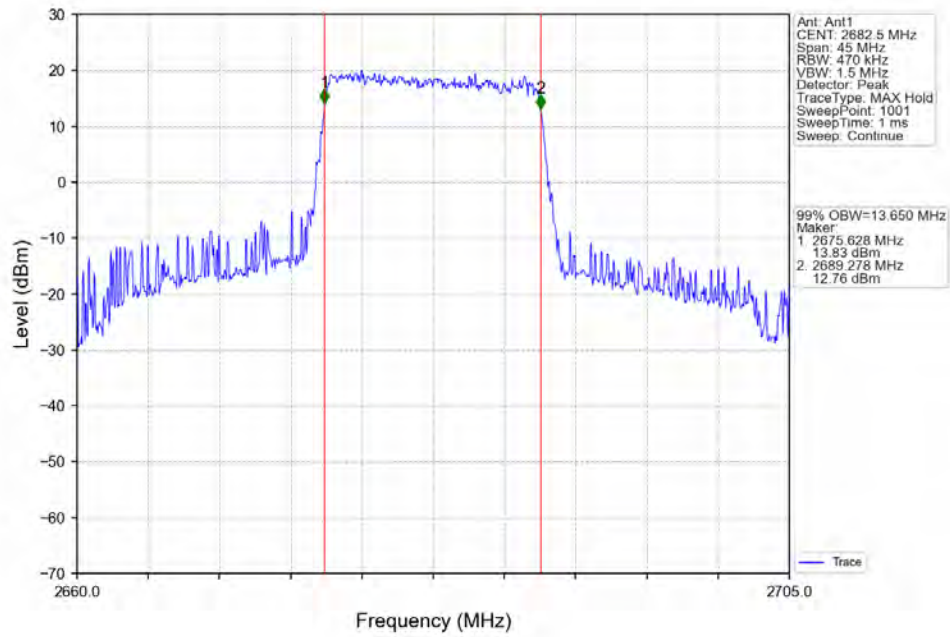
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



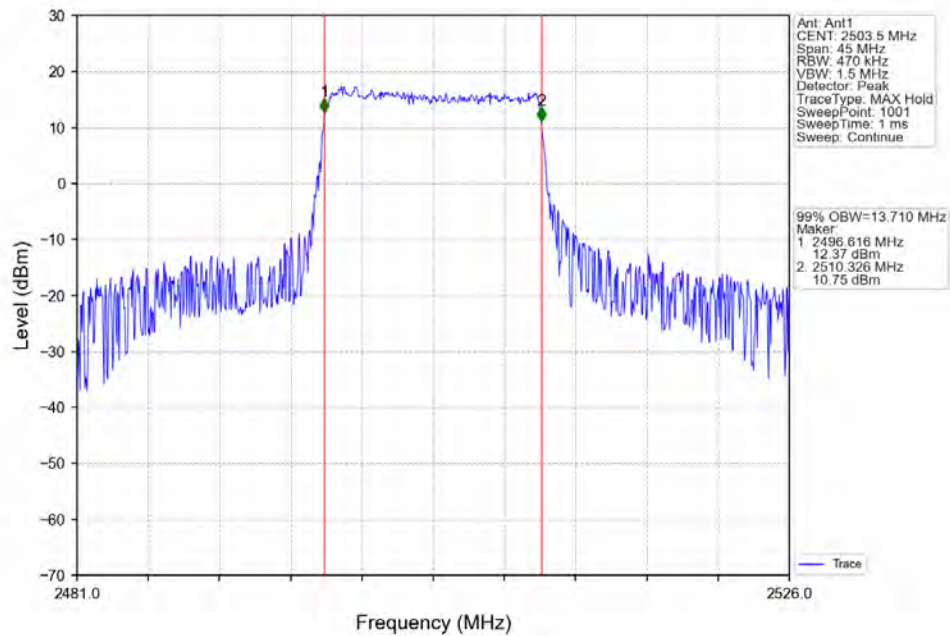
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



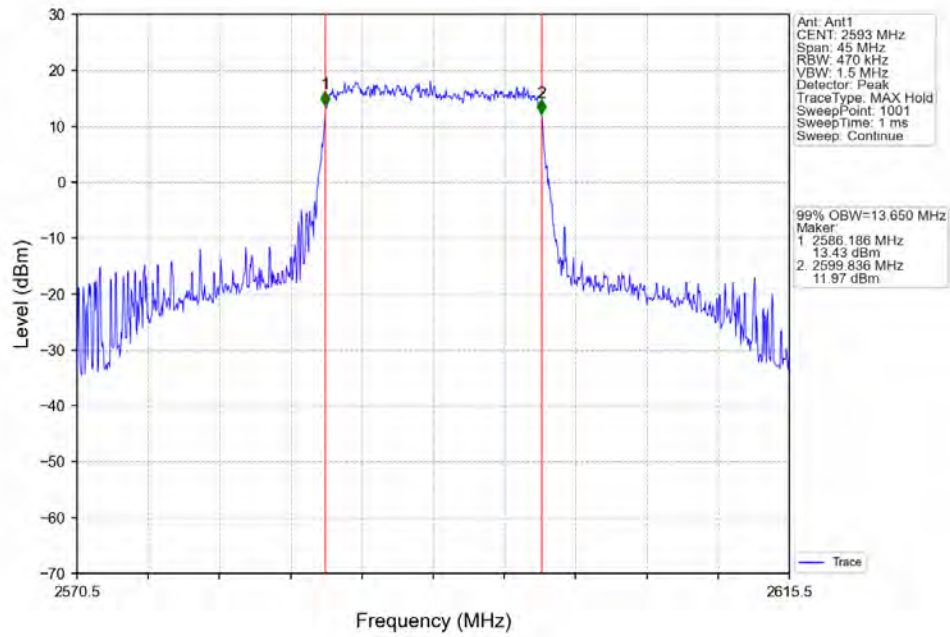
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



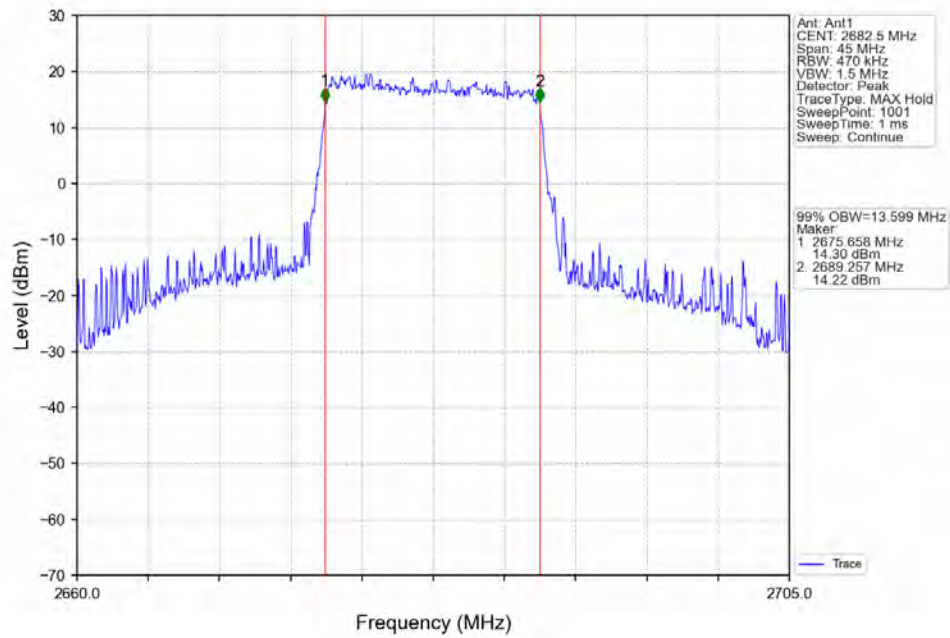
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



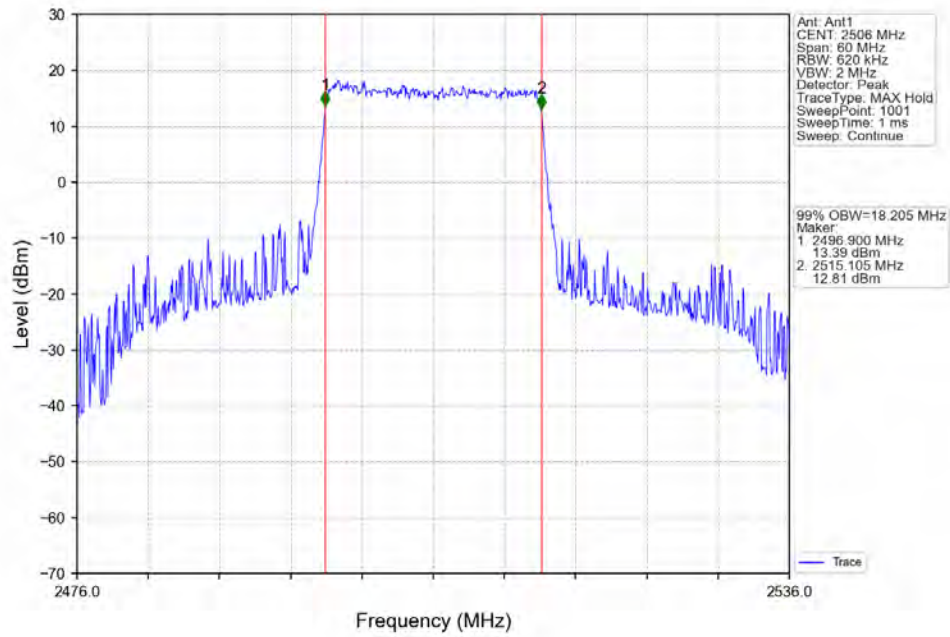
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



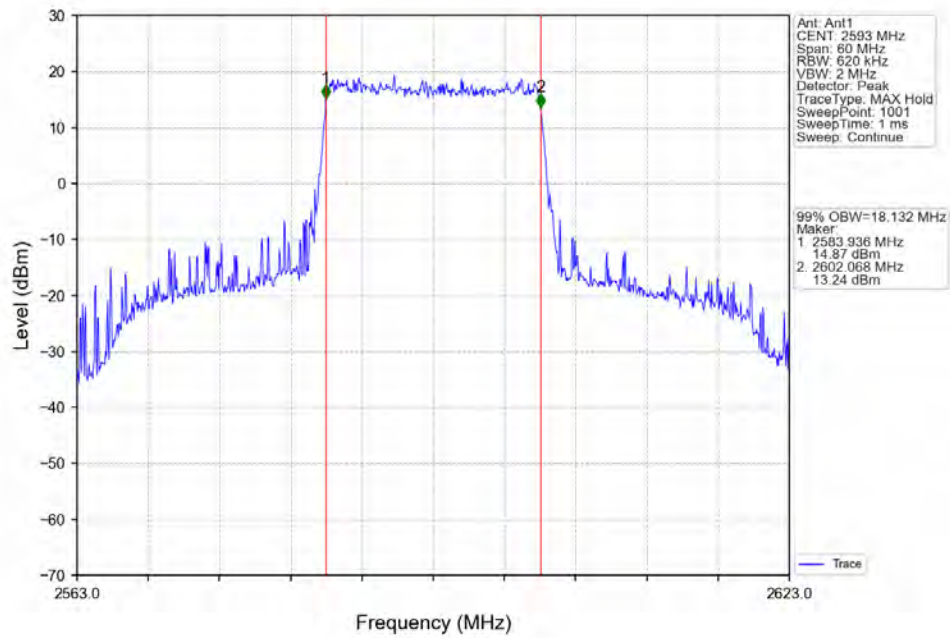
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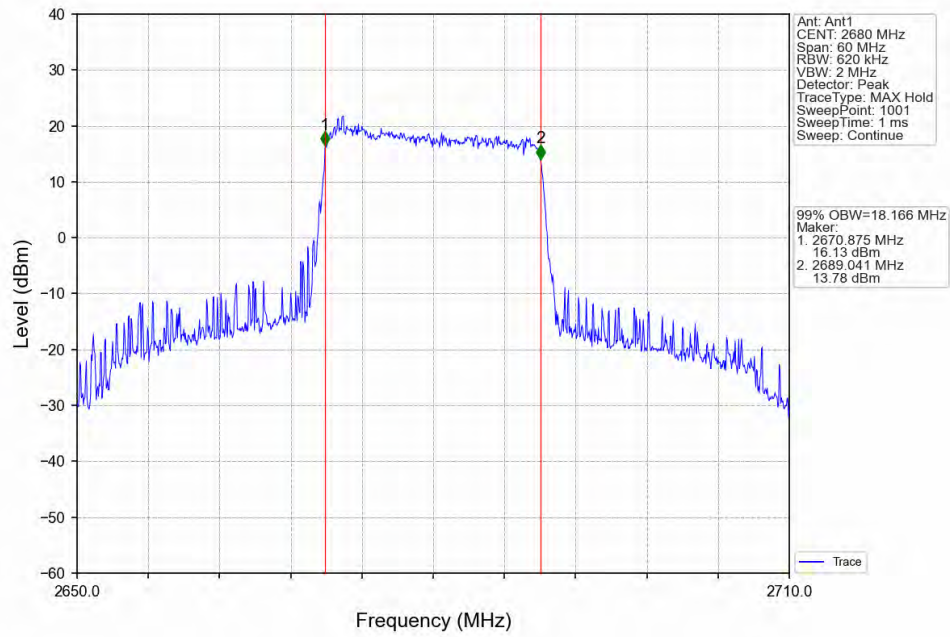
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



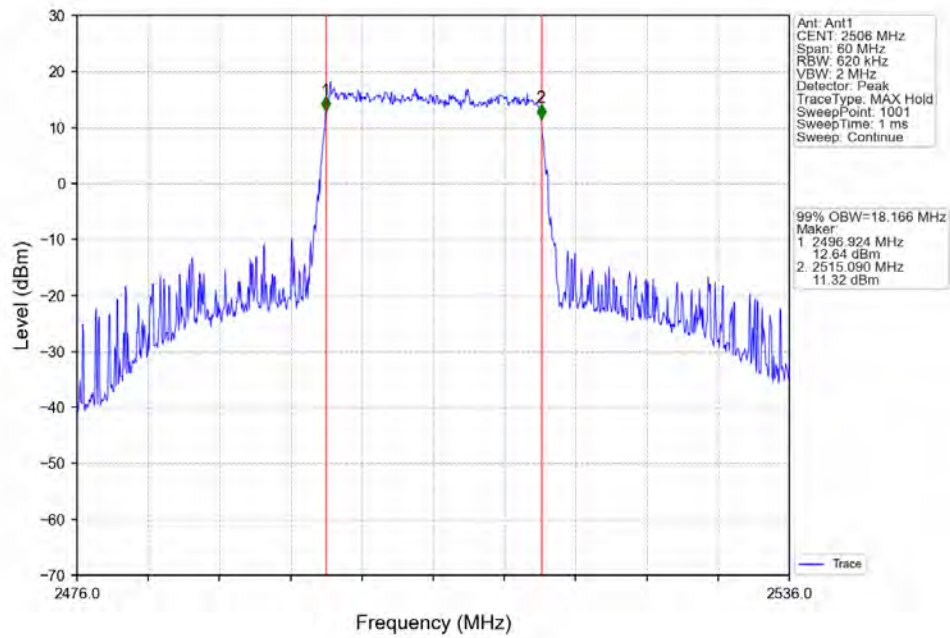
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



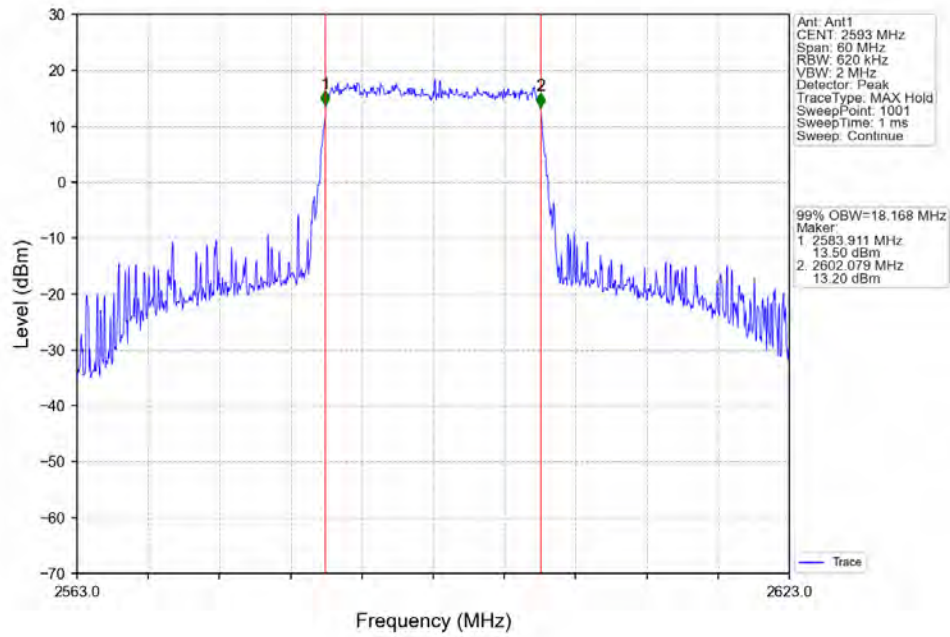
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



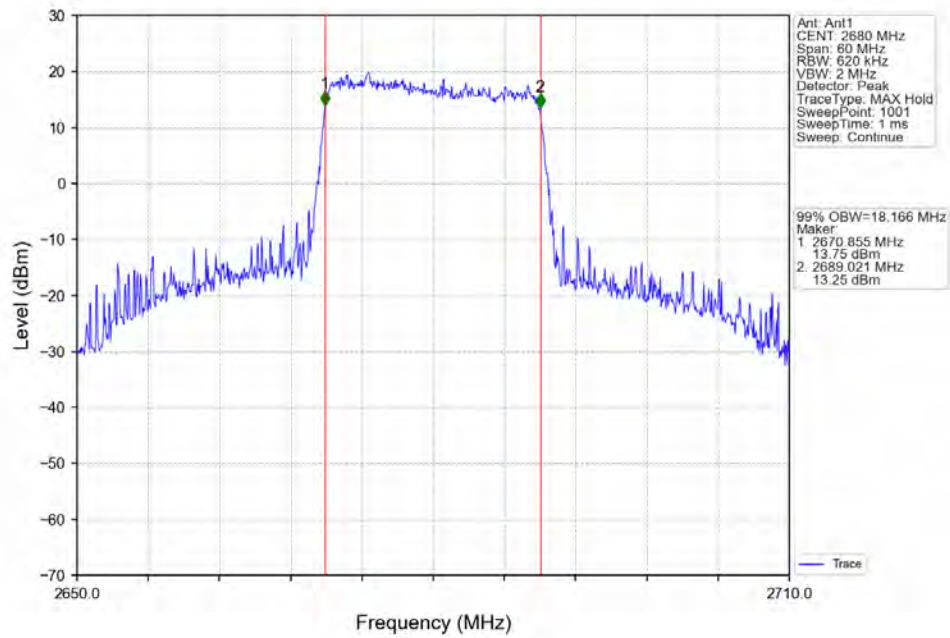
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV

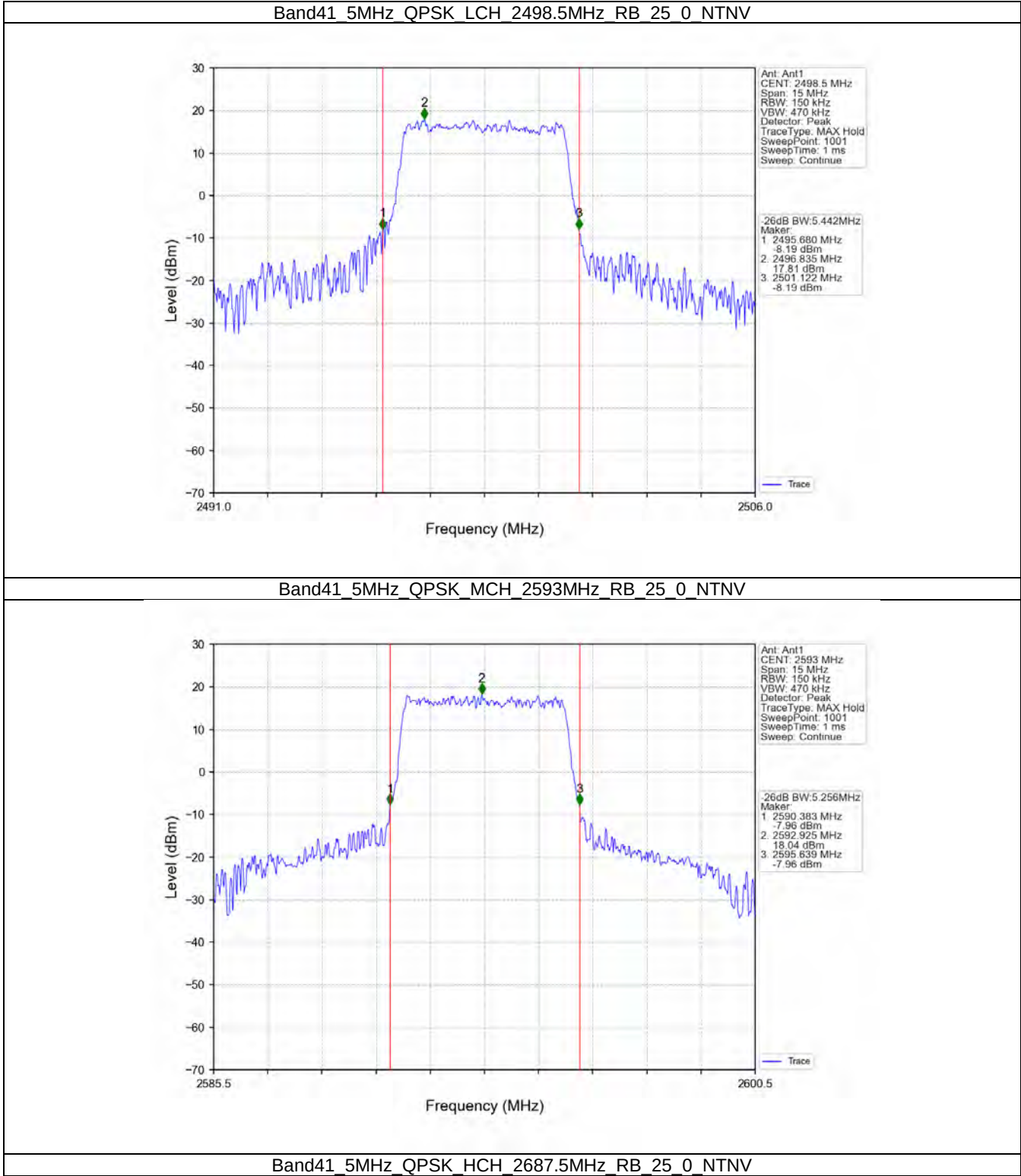


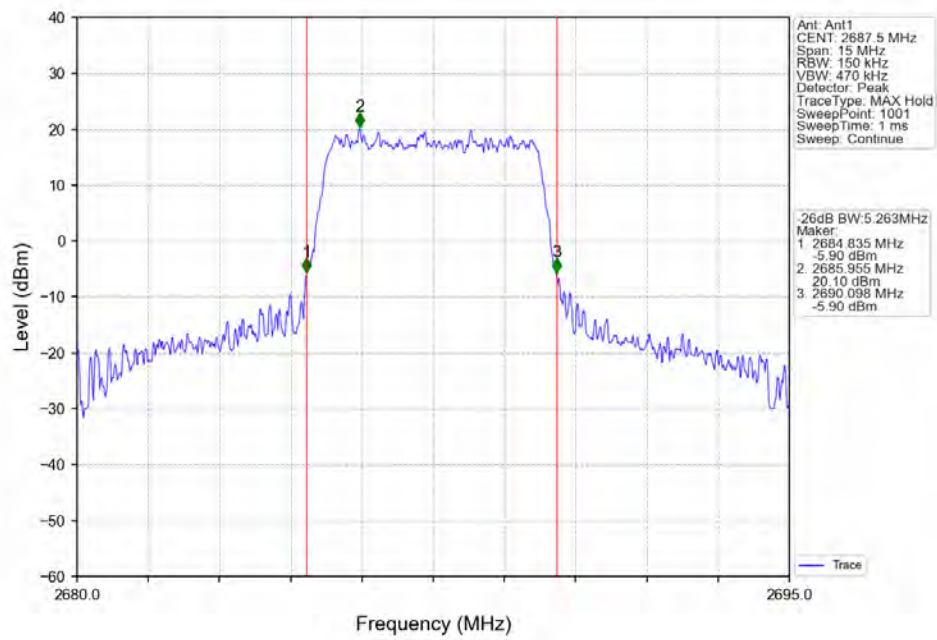
4.2 Band41_XDB

4.2.1 Test Result

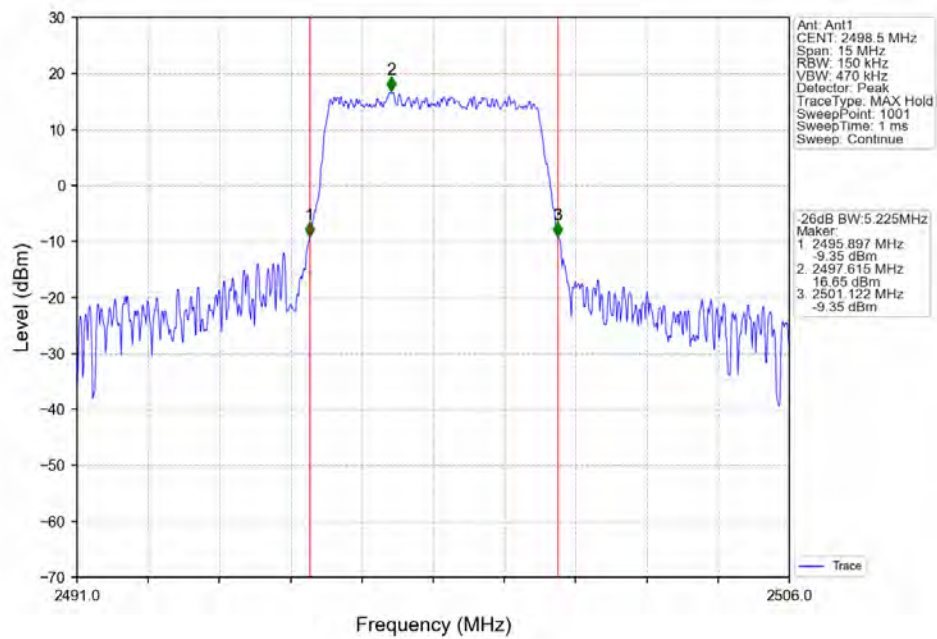
Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	5.442	Pass
		2593	25	0	5.256	Pass
		2687.5	25	0	5.263	Pass
	16QAM	2498.5	25	0	5.225	Pass
		2593	25	0	5.283	Pass
		2687.5	25	0	5.448	Pass
10	QPSK	2501	50	0	10.763	Pass
		2593	50	0	10.351	Pass
		2685	50	0	10.190	Pass
	16QAM	2501	50	0	10.781	Pass
		2593	50	0	10.327	Pass
		2685	50	0	10.430	Pass
15	QPSK	2503.5	75	0	15.393	Pass
		2593	75	0	15.540	Pass
		2682.5	75	0	16.550	Pass
	16QAM	2503.5	75	0	16.396	Pass
		2593	75	0	16.143	Pass
		2682.5	75	0	15.961	Pass
20	QPSK	2506	100	0	23.014	Pass
		2593	100	0	23.228	Pass
		2680	100	0	20.414	Pass
	16QAM	2506	100	0	20.009	Pass
		2593	100	0	21.674	Pass
		2680	100	0	20.562	Pass

4.2.2 Test Graph

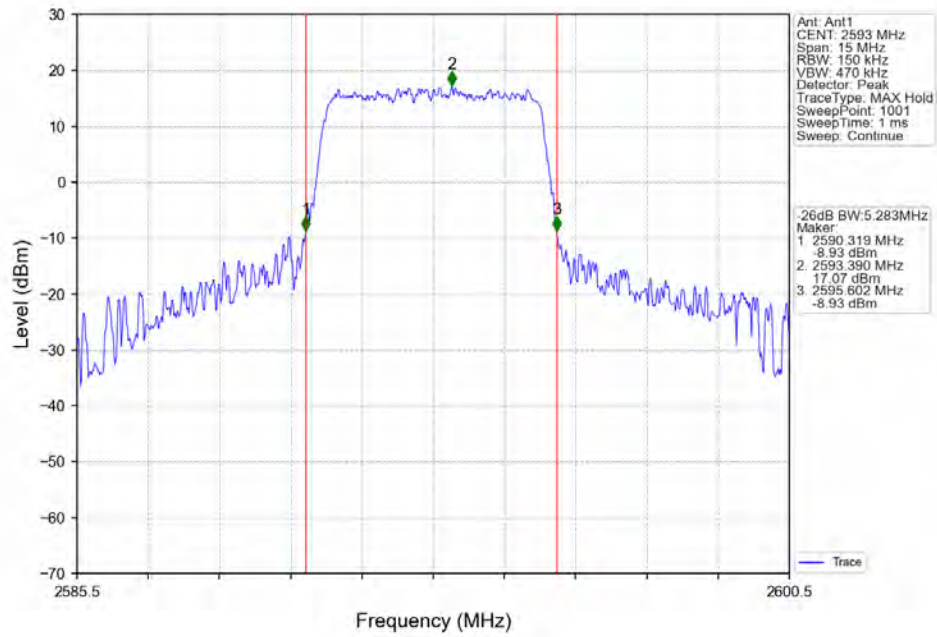




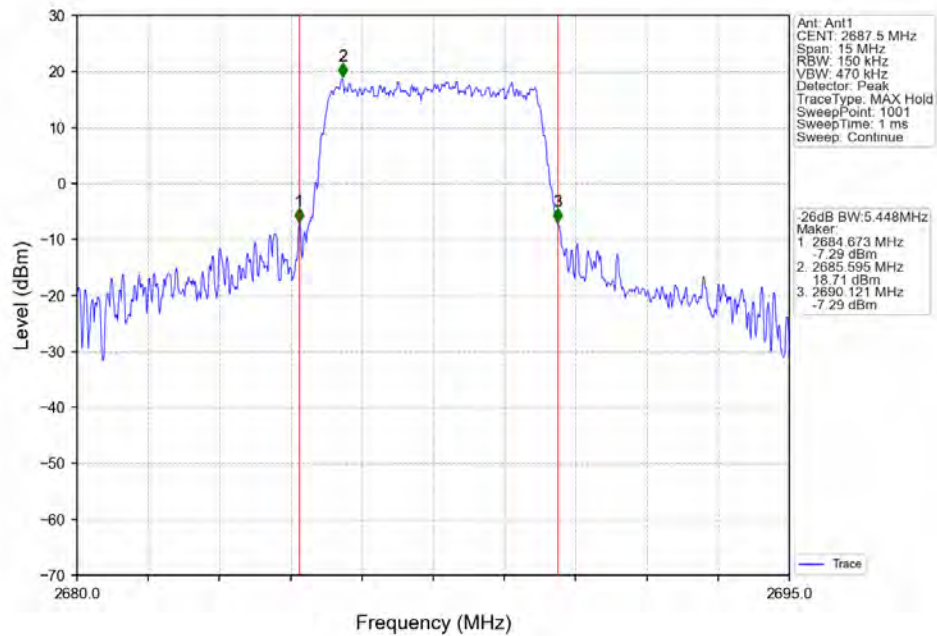
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



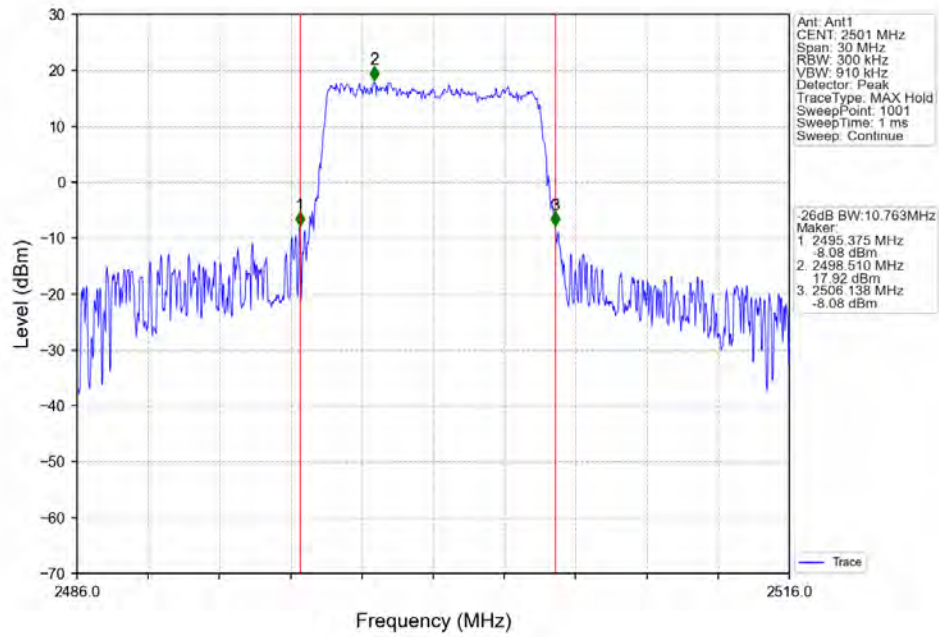
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



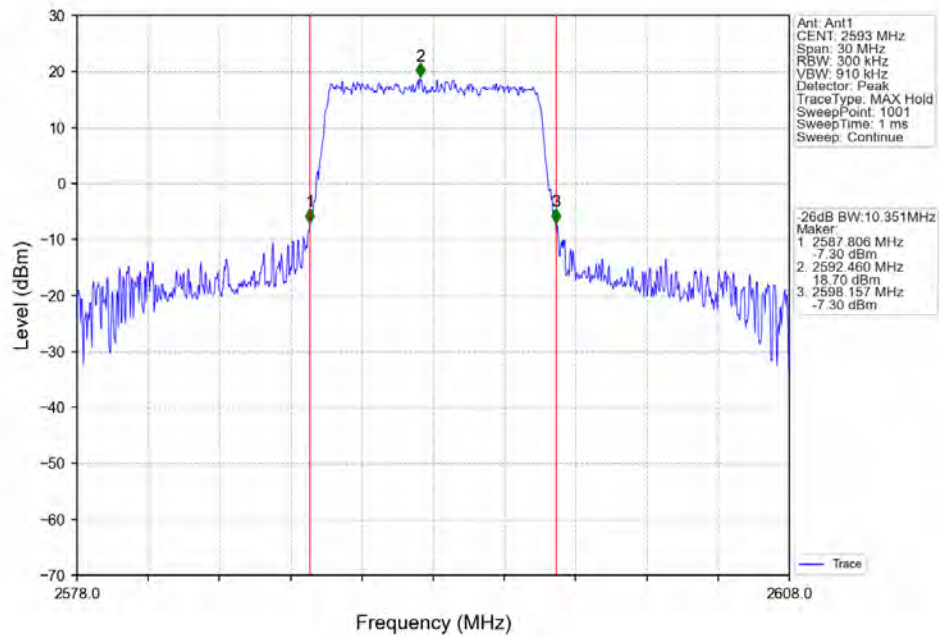
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



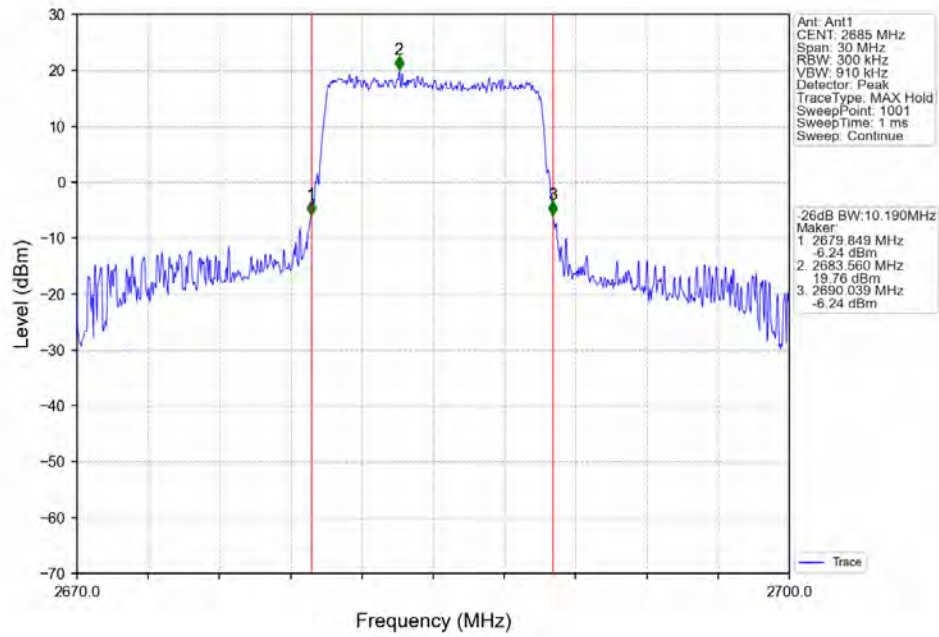
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



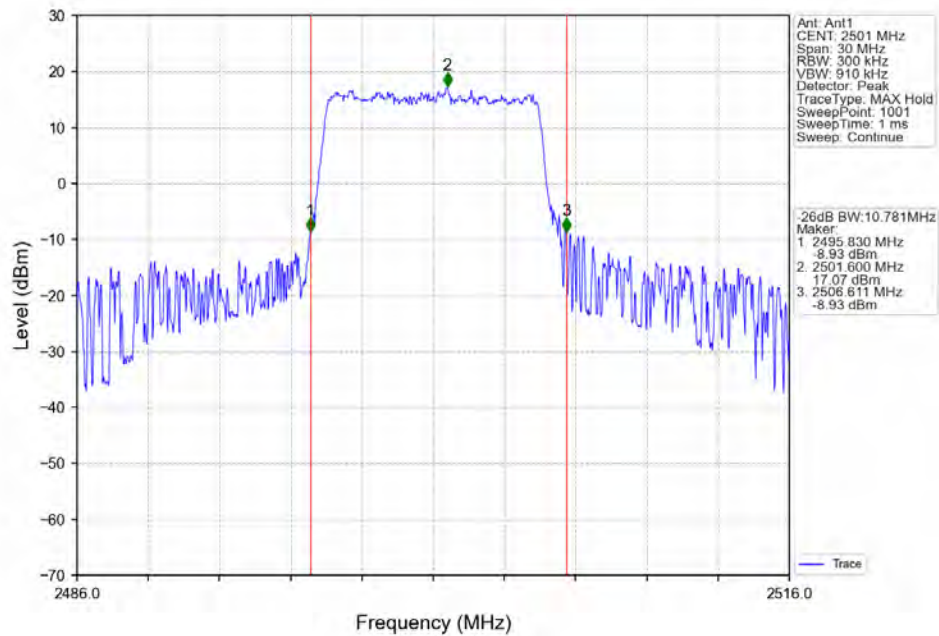
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



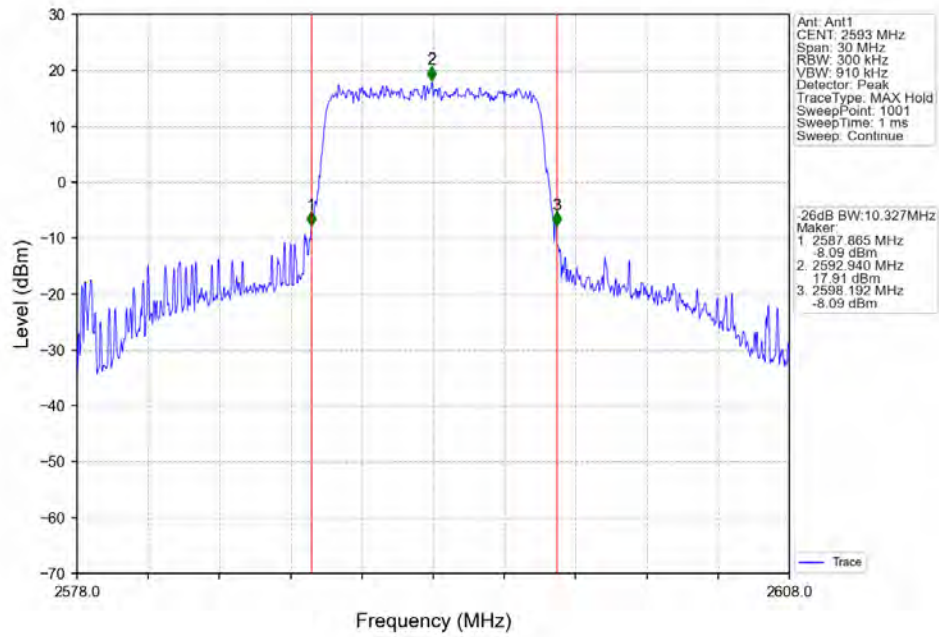
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



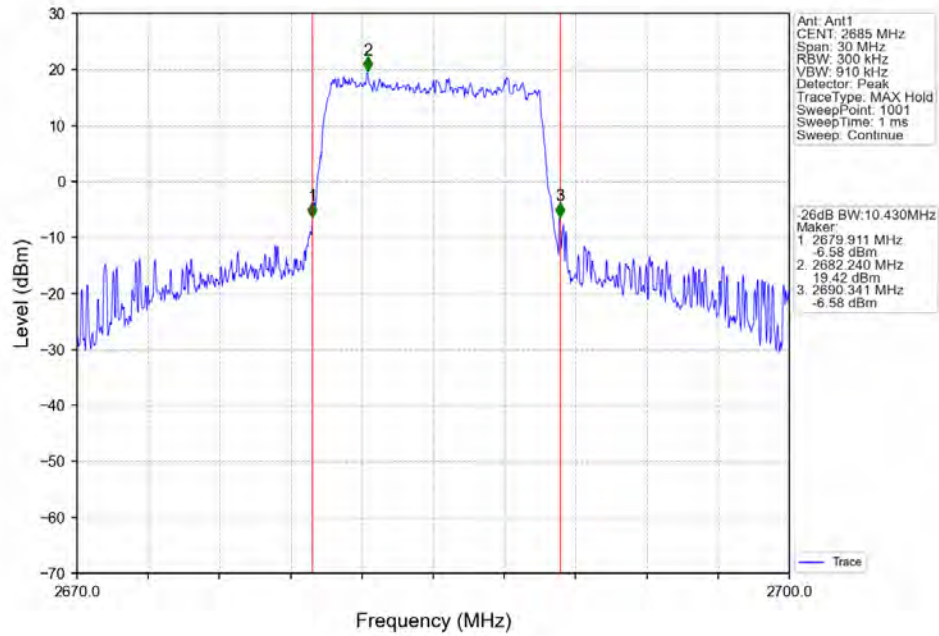
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



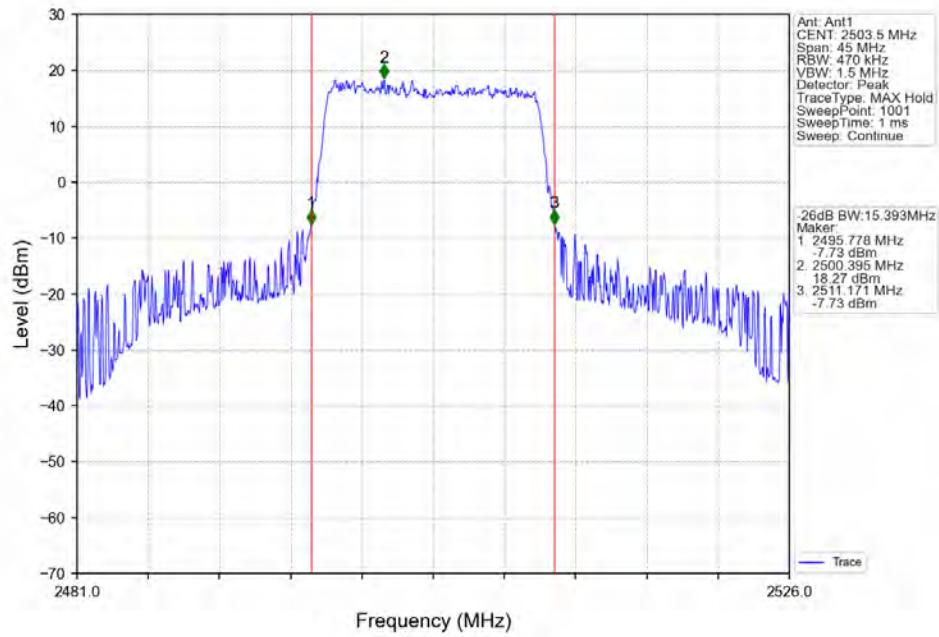
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



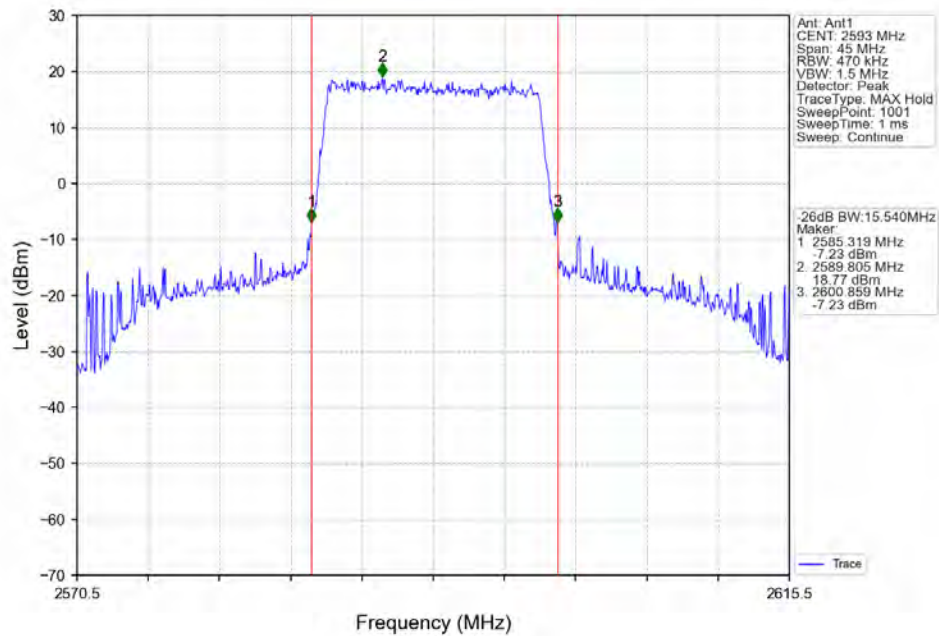
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



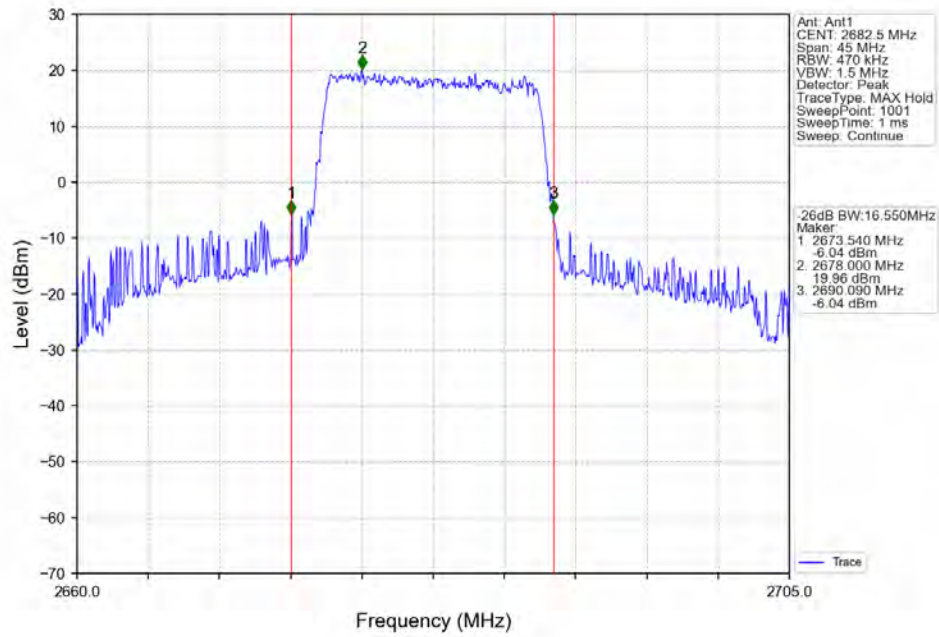
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



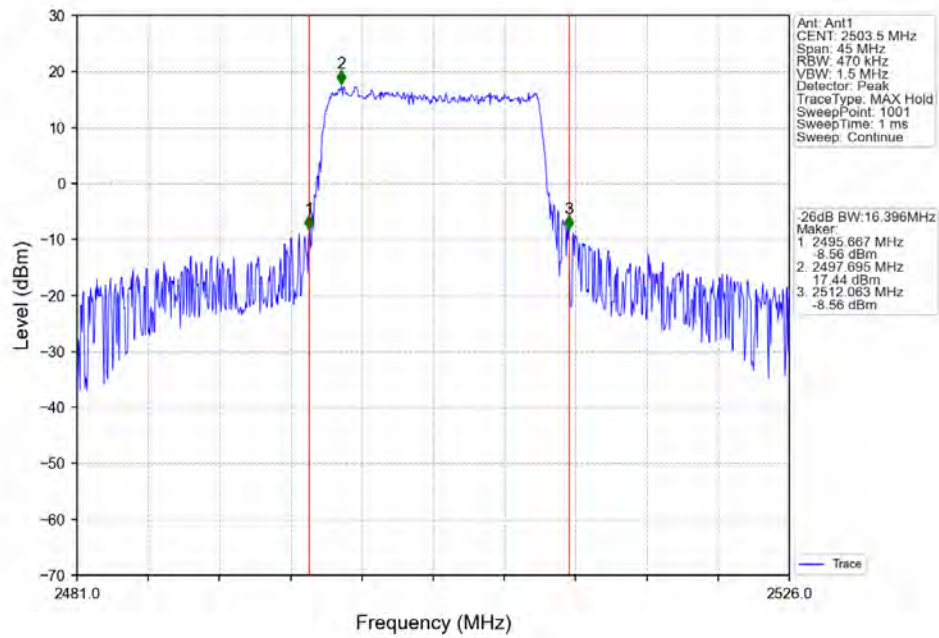
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



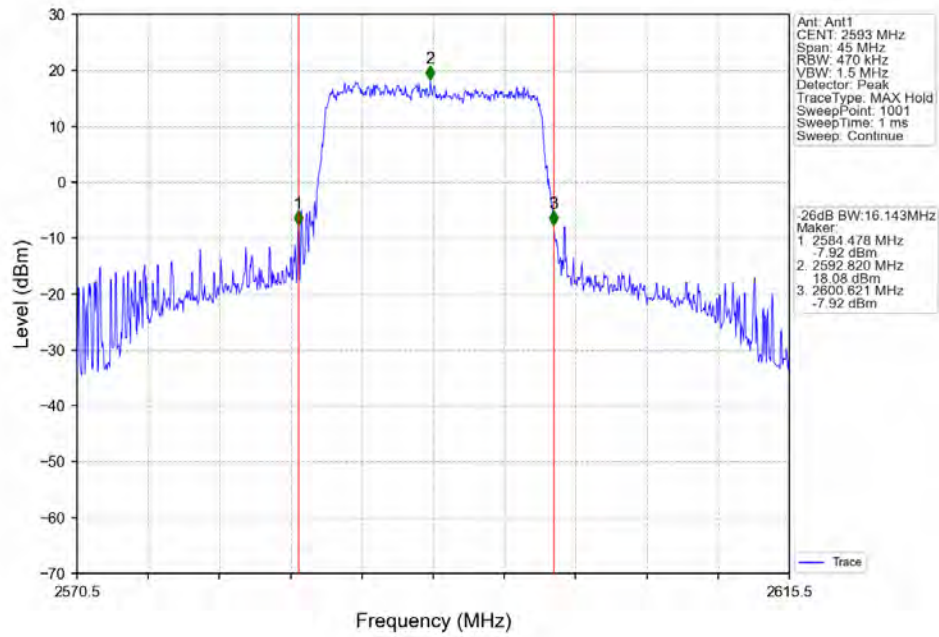
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



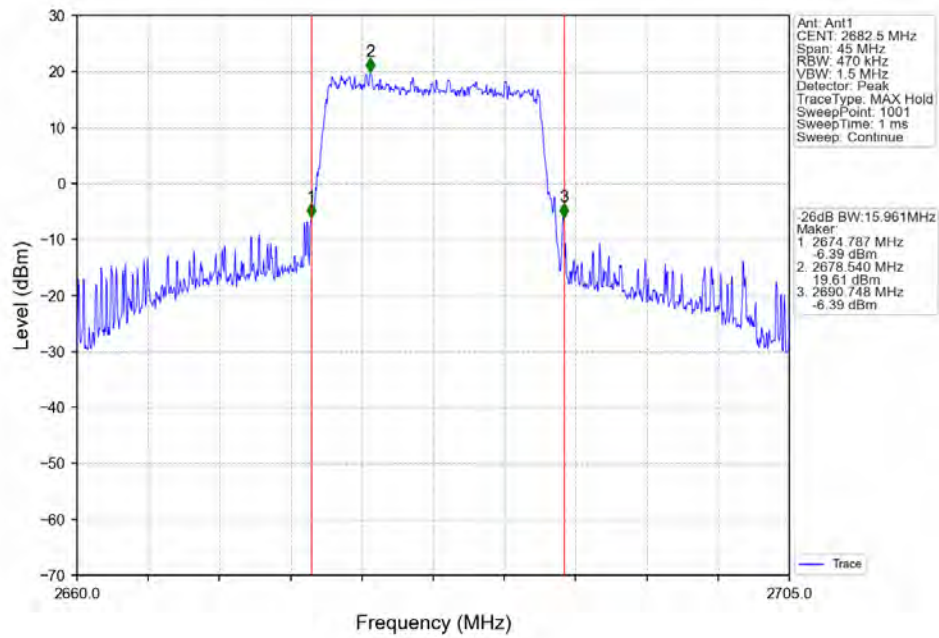
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



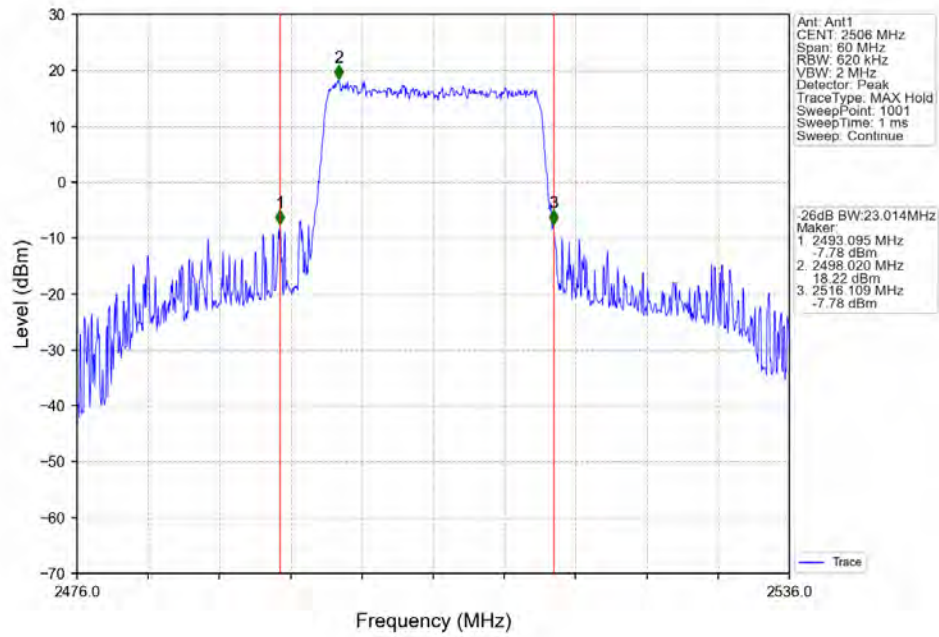
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



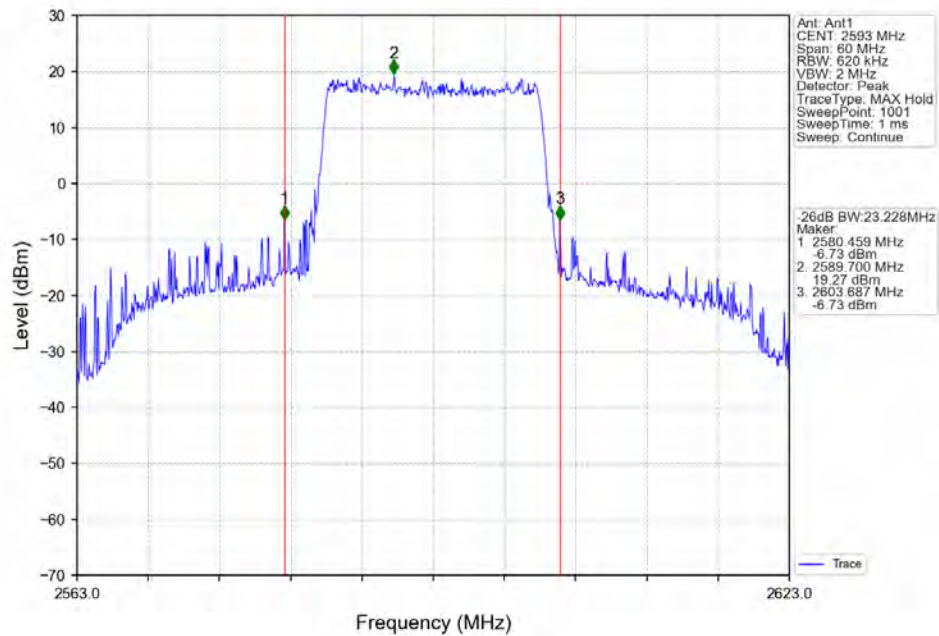
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



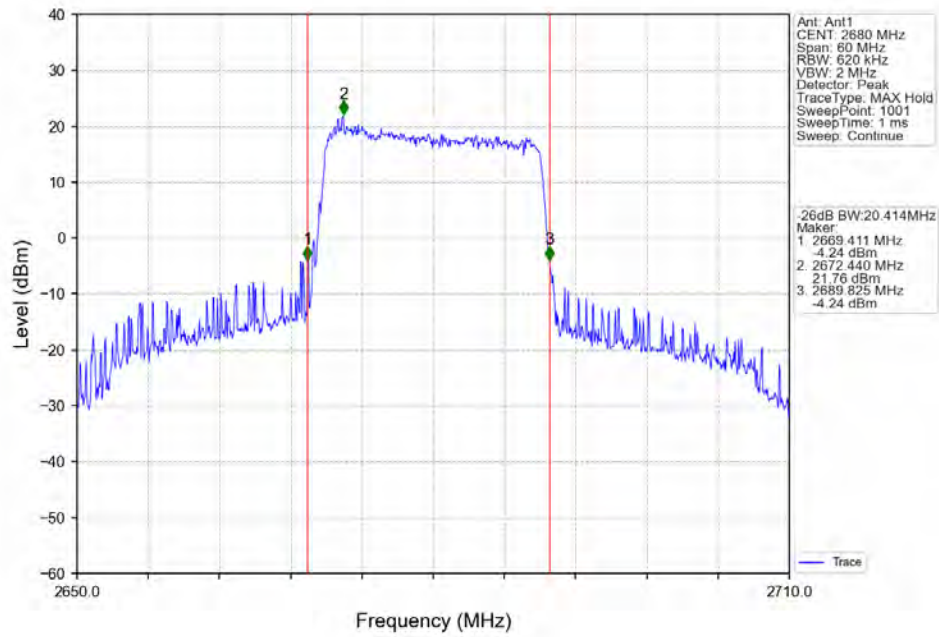
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



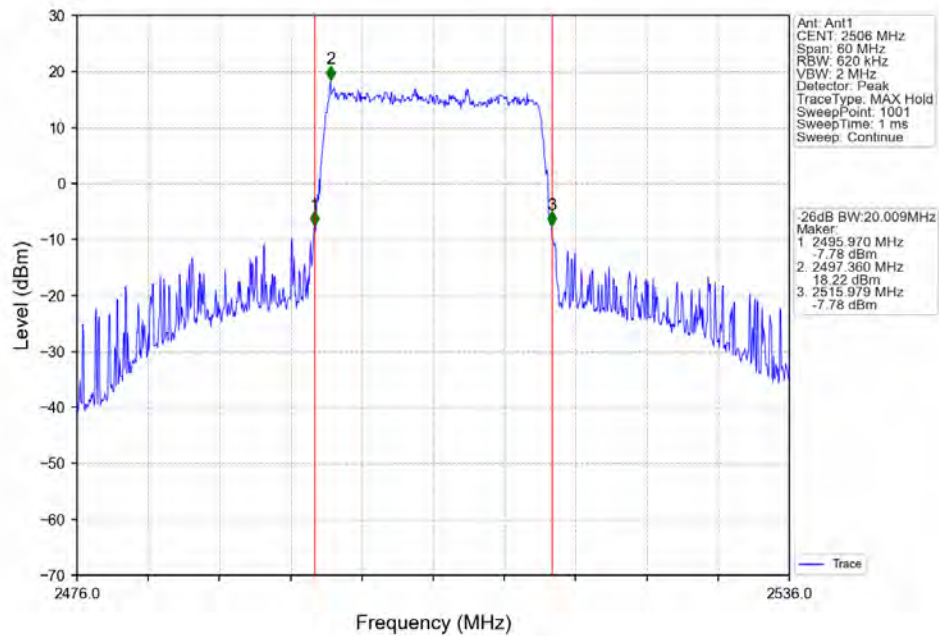
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



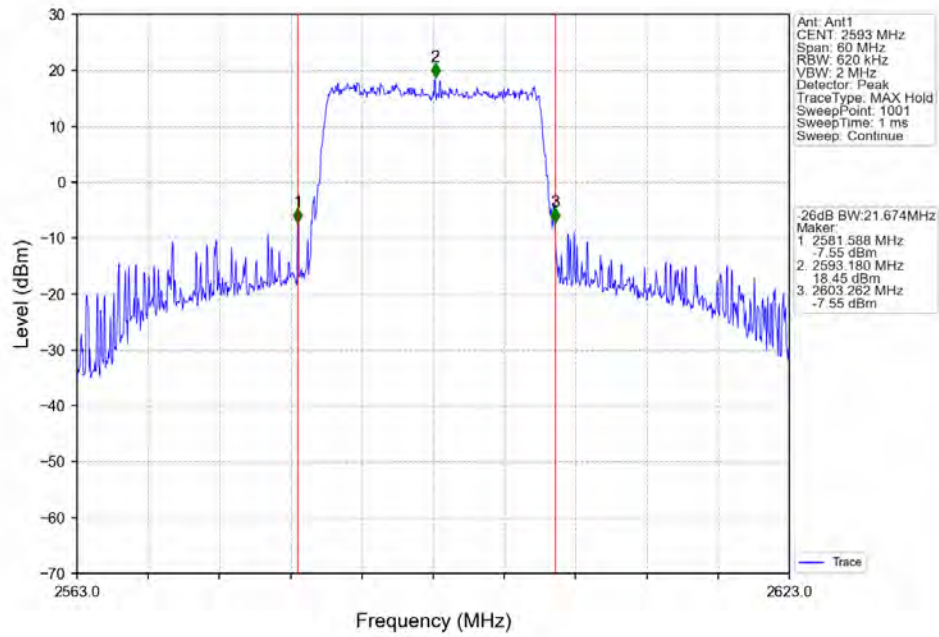
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



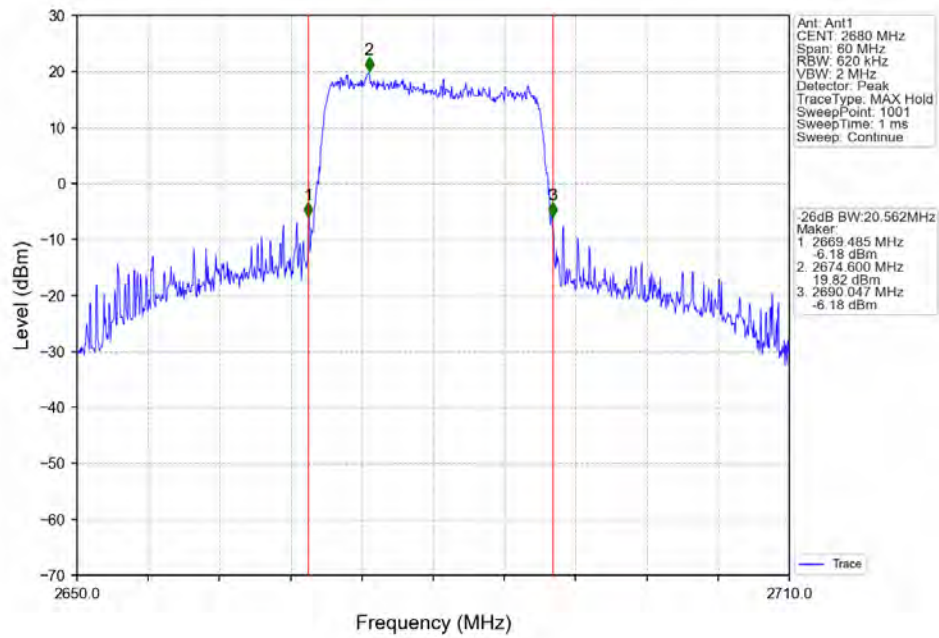
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



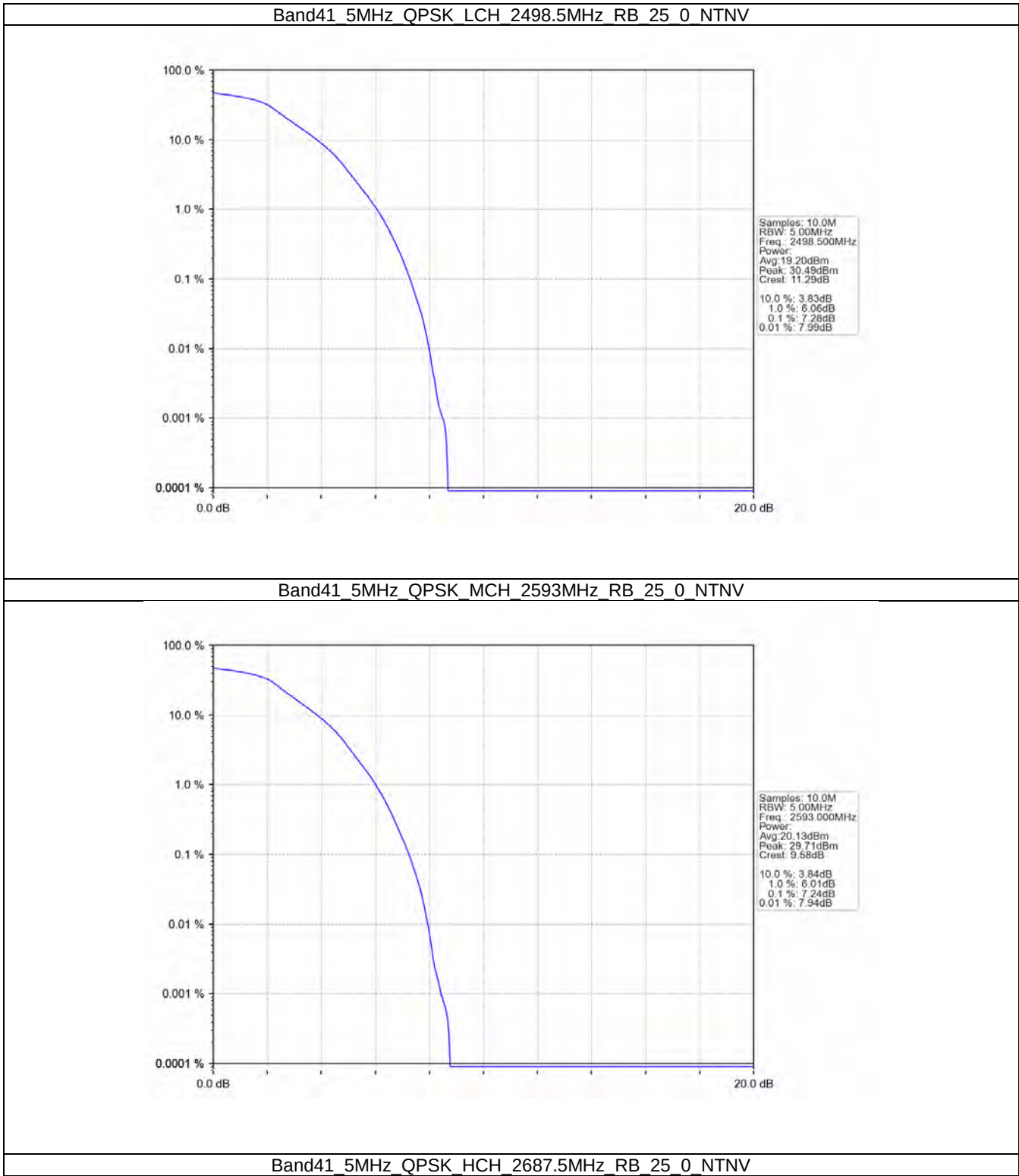
5. Peak-Average Ratio

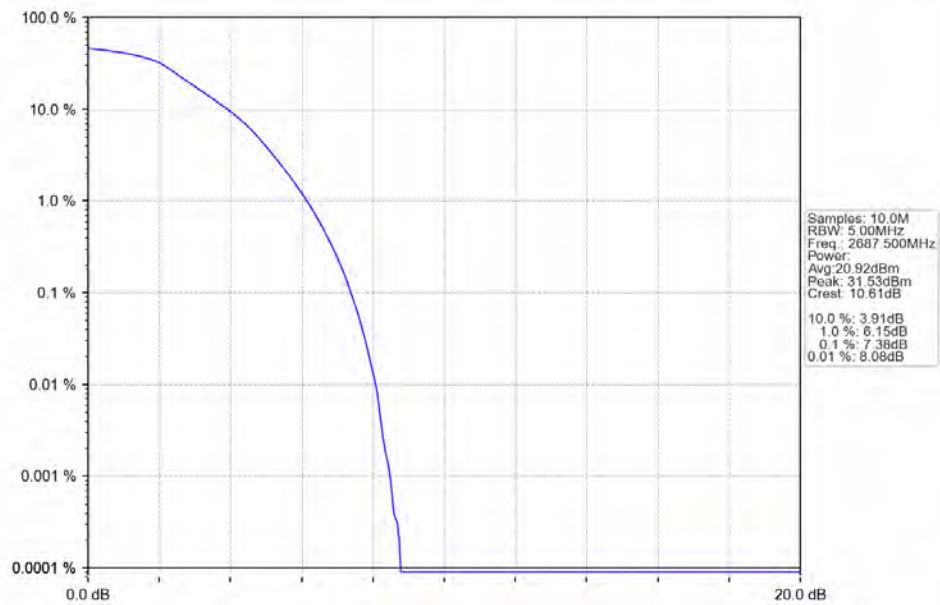
5.1 B41_5MHz

5.1.1 Test Result

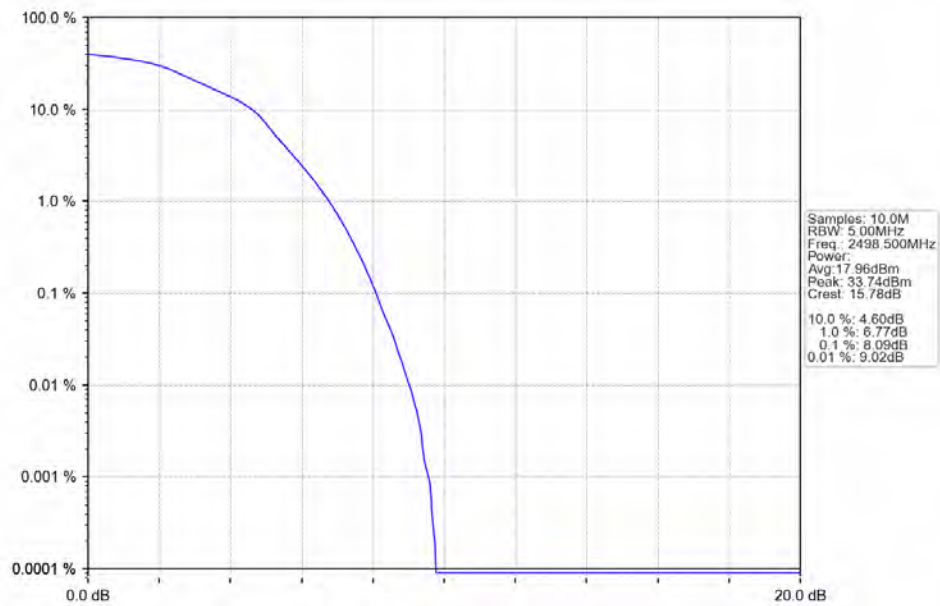
Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	7.28	<=13	Pass
	2593	25	0	7.24	<=13	Pass
	2687.5	25	0	7.38	<=13	Pass
16QAM	2498.5	25	0	8.09	<=13	Pass
	2593	25	0	7.96	<=13	Pass
	2687.5	25	0	8.50	<=13	Pass

5.1.2 Test Graph

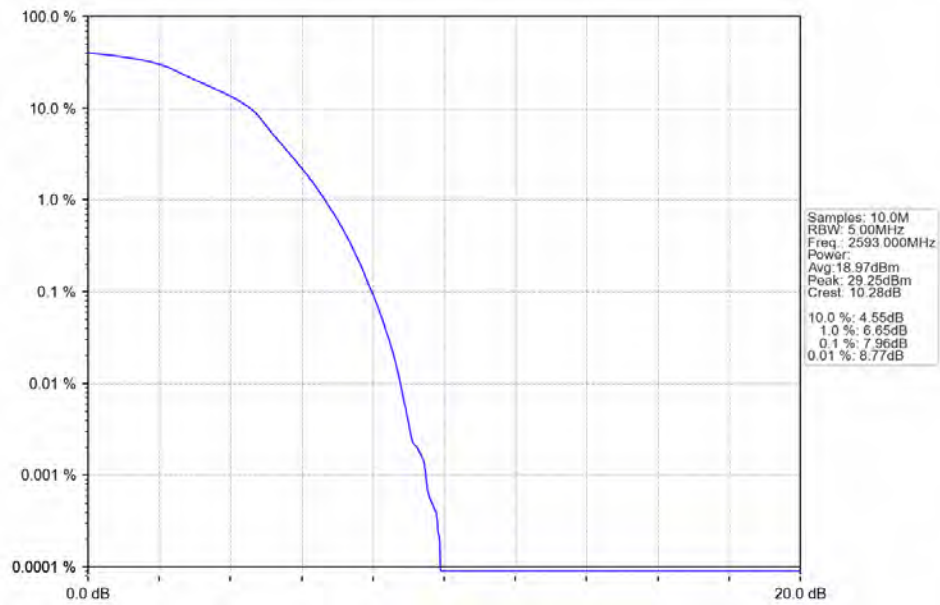




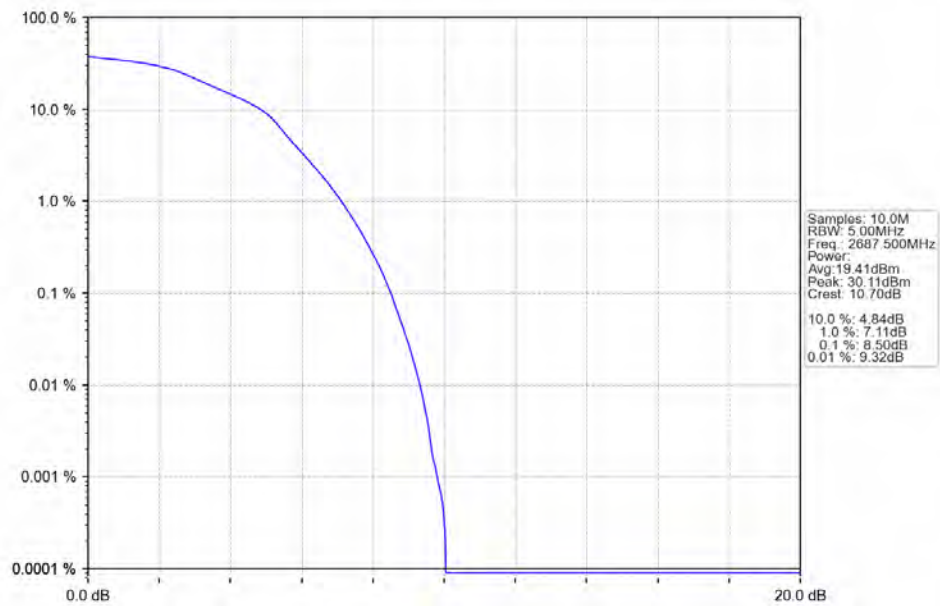
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV

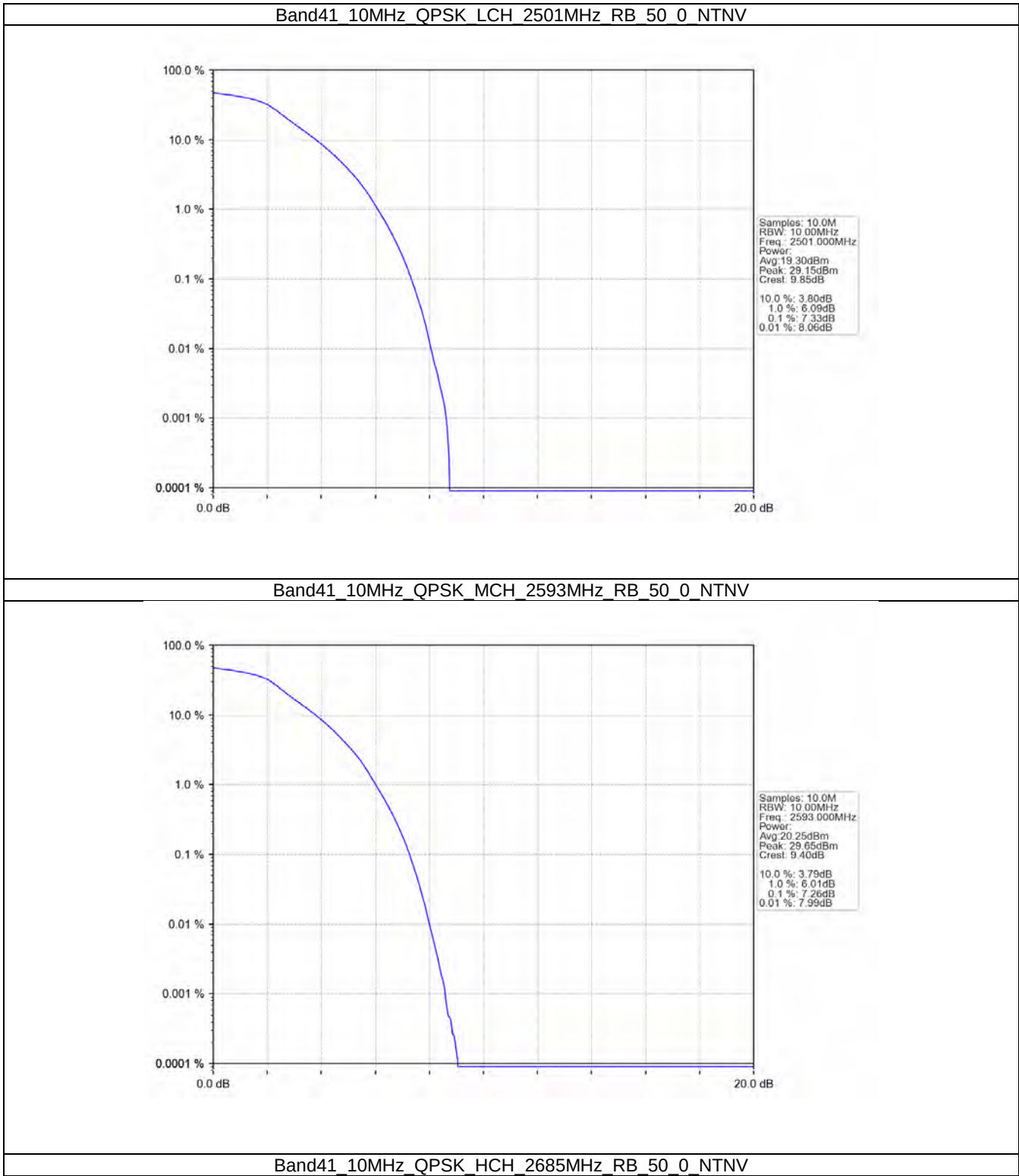


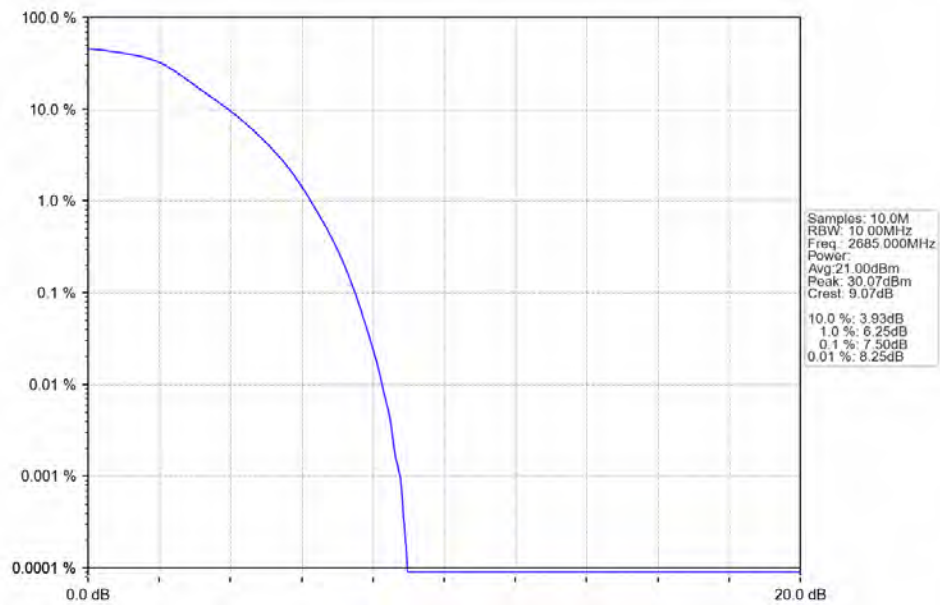
5.2 B41_10MHz

5.2.1 Test Result

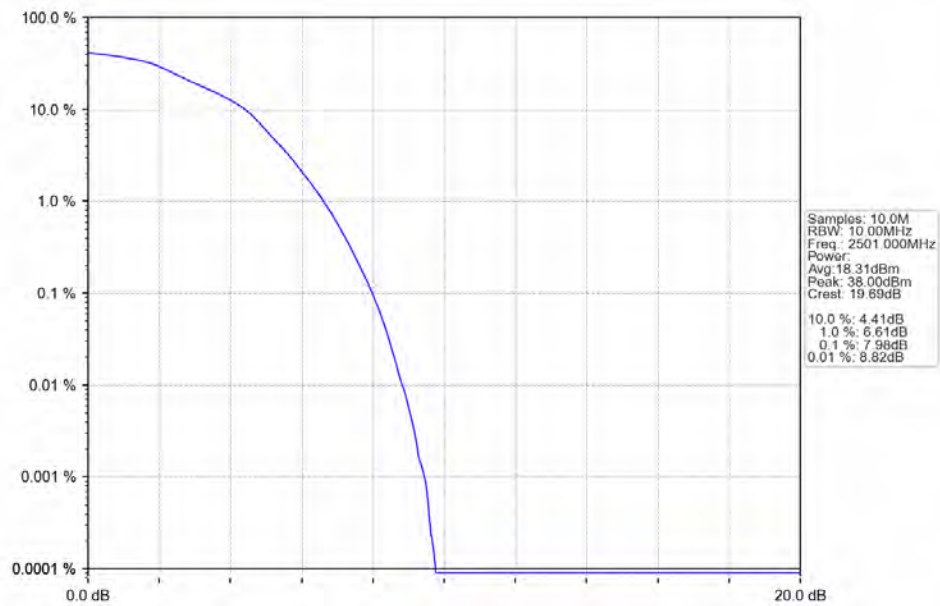
Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	50	0	7.33	<=13	Pass
	2593	50	0	7.26	<=13	Pass
	2685	50	0	7.50	<=13	Pass
16QAM	2501	50	0	7.98	<=13	Pass
	2593	50	0	7.95	<=13	Pass
	2685	50	0	8.10	<=13	Pass

5.2.2 Test Graph

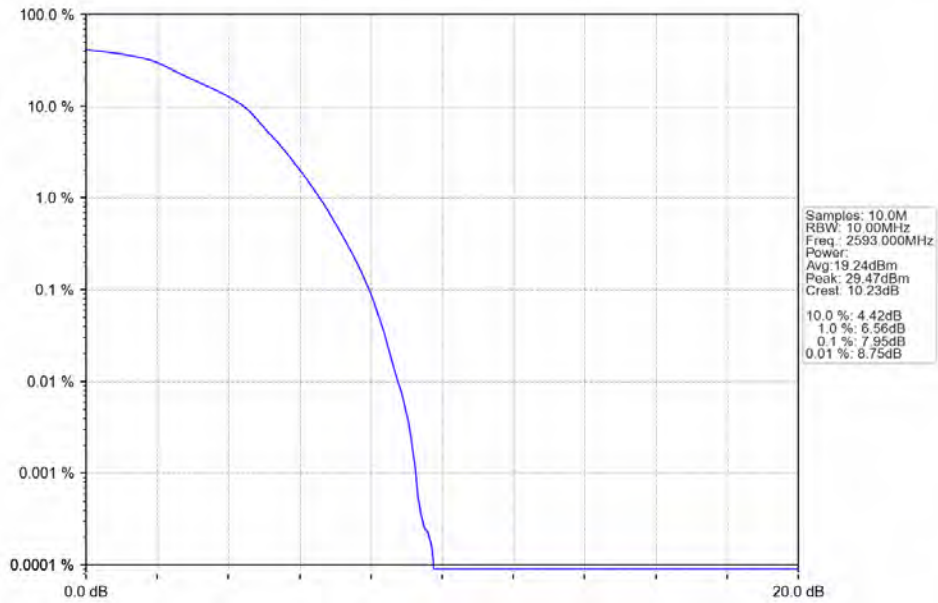




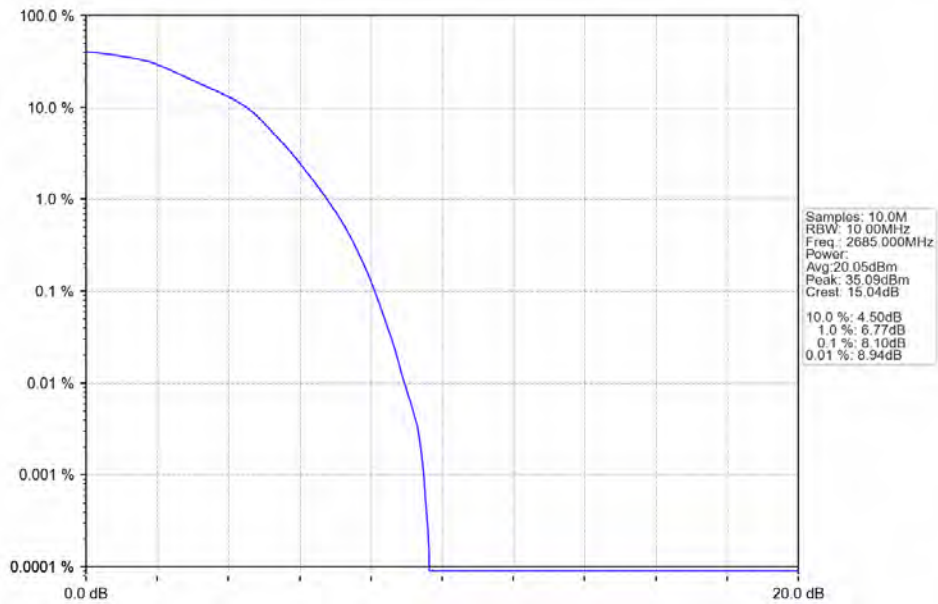
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV

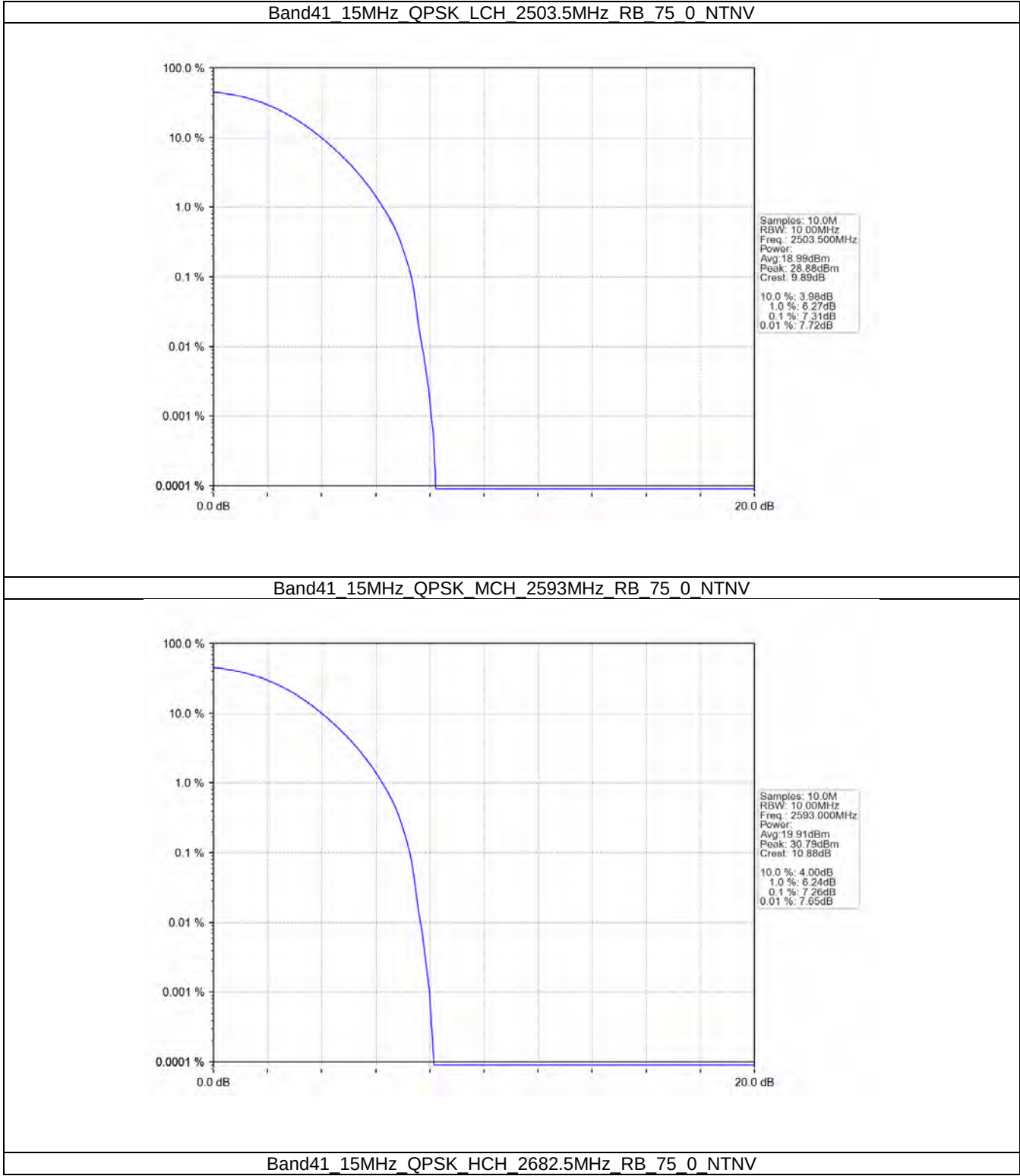


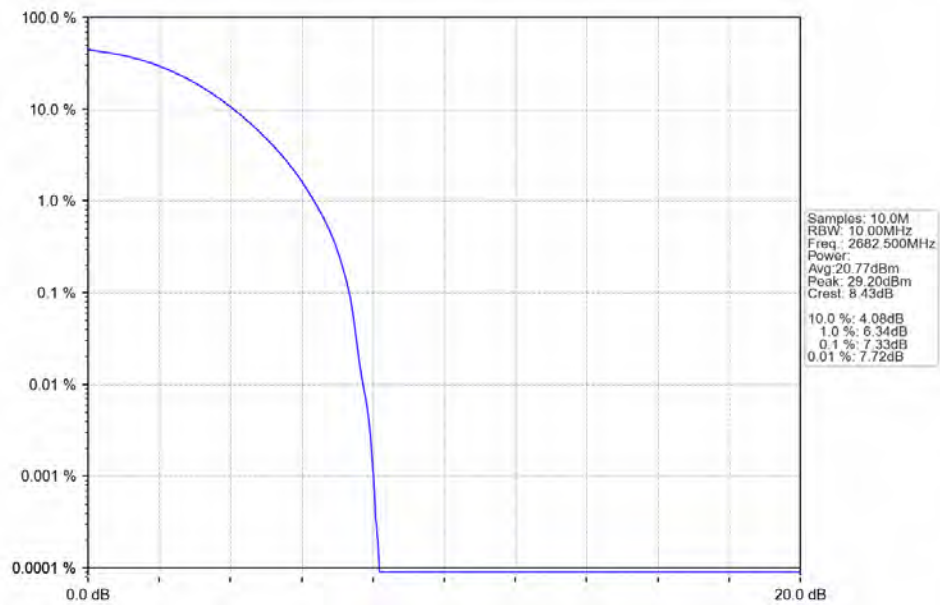
5.3 B41_15MHz

5.3.1 Test Result

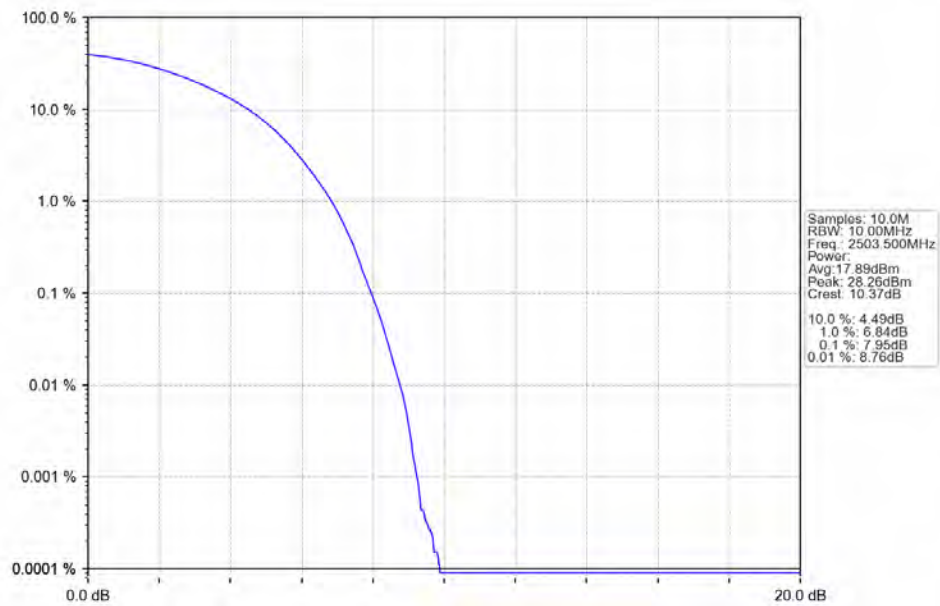
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	7.31	<=13	Pass
	2593	75	0	7.26	<=13	Pass
	2682.5	75	0	7.33	<=13	Pass
16QAM	2503.5	75	0	7.95	<=13	Pass
	2593	75	0	7.87	<=13	Pass
	2682.5	75	0	7.94	<=13	Pass

5.3.2 Test Graph

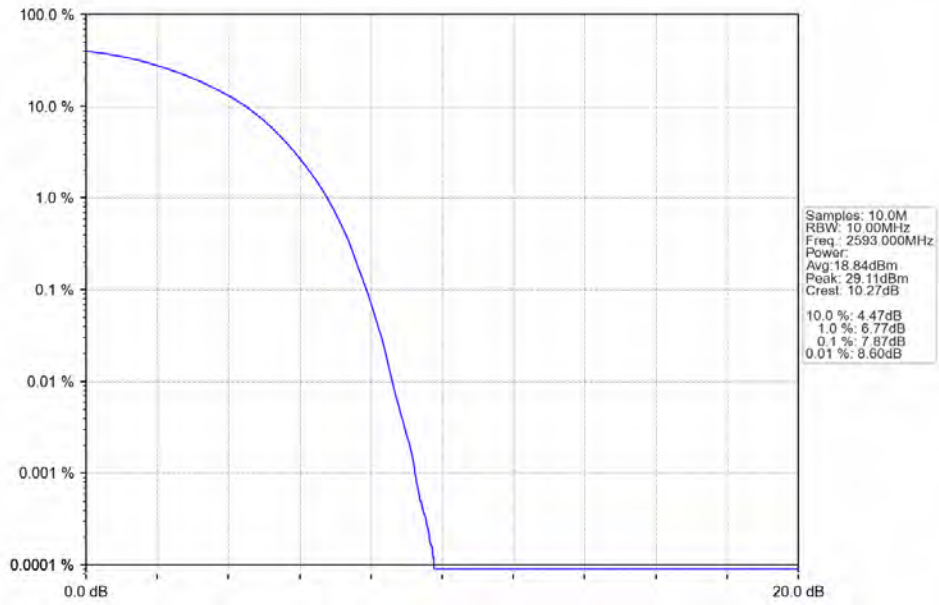




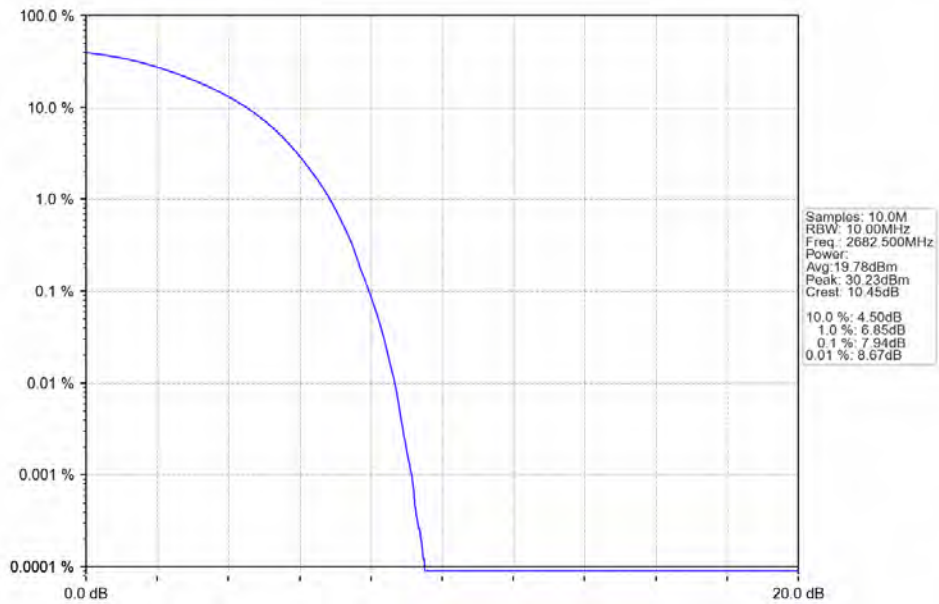
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV

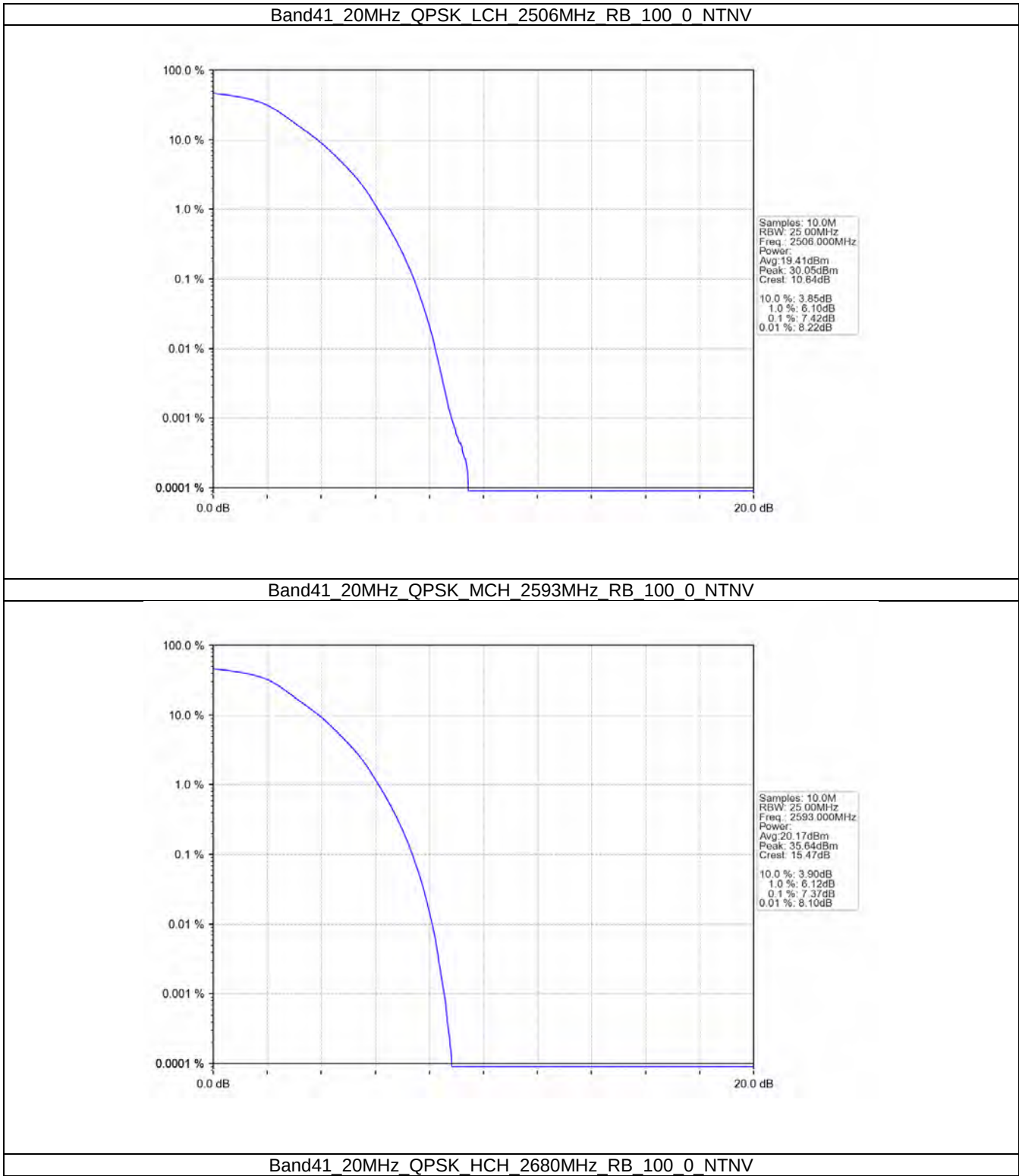


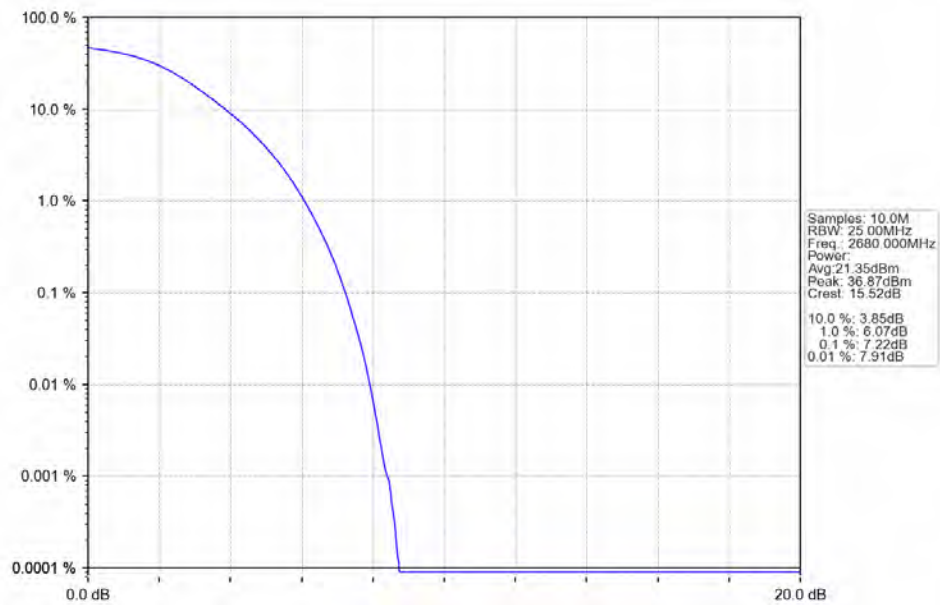
5.4 B41_20MHz

5.4.1 Test Result

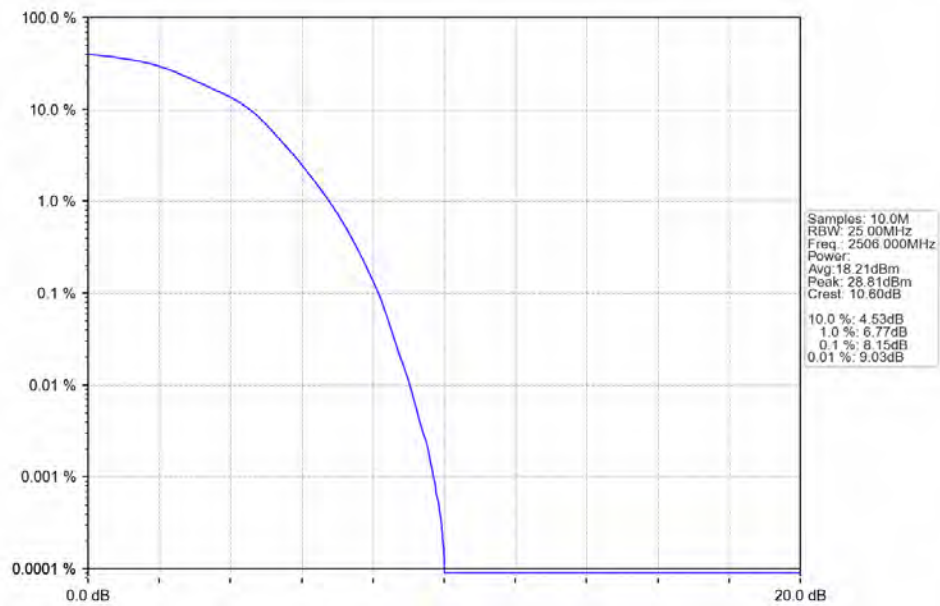
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.42	<=13	Pass
	2593	100	0	7.37	<=13	Pass
	2680	100	0	7.22	<=13	Pass
16QAM	2506	100	0	8.15	<=13	Pass
	2593	100	0	7.86	<=13	Pass
	2680	100	0	7.91	<=13	Pass

5.4.2 Test Graph

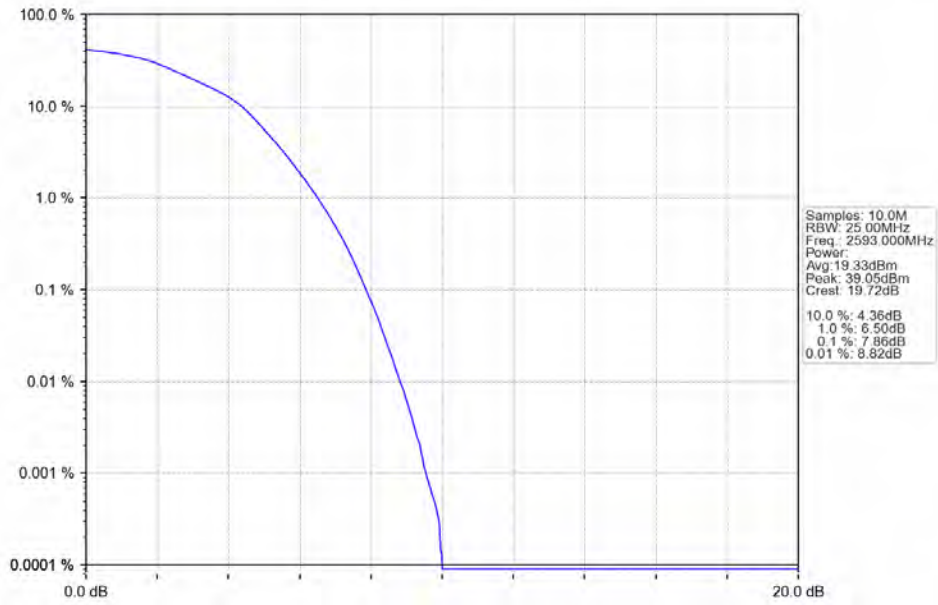




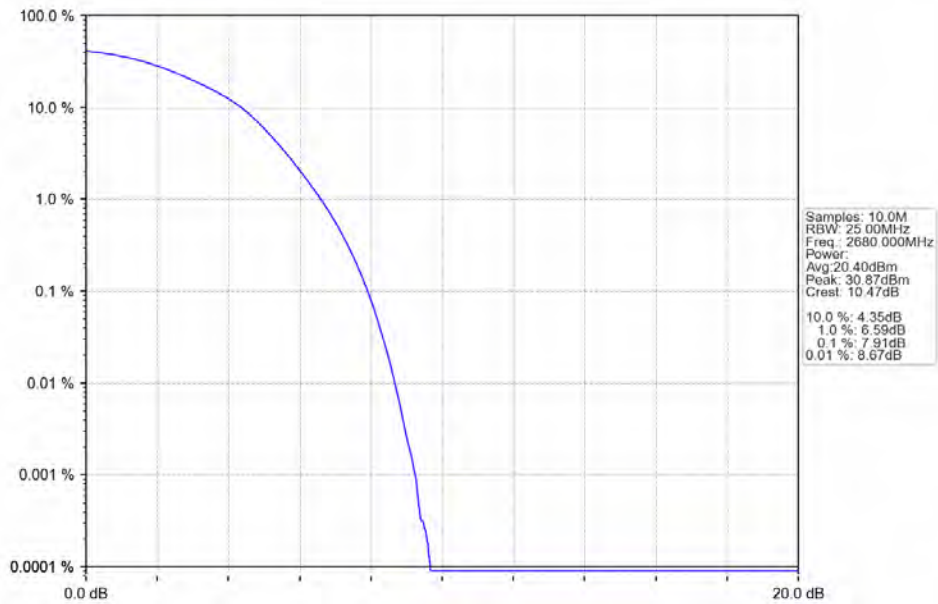
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



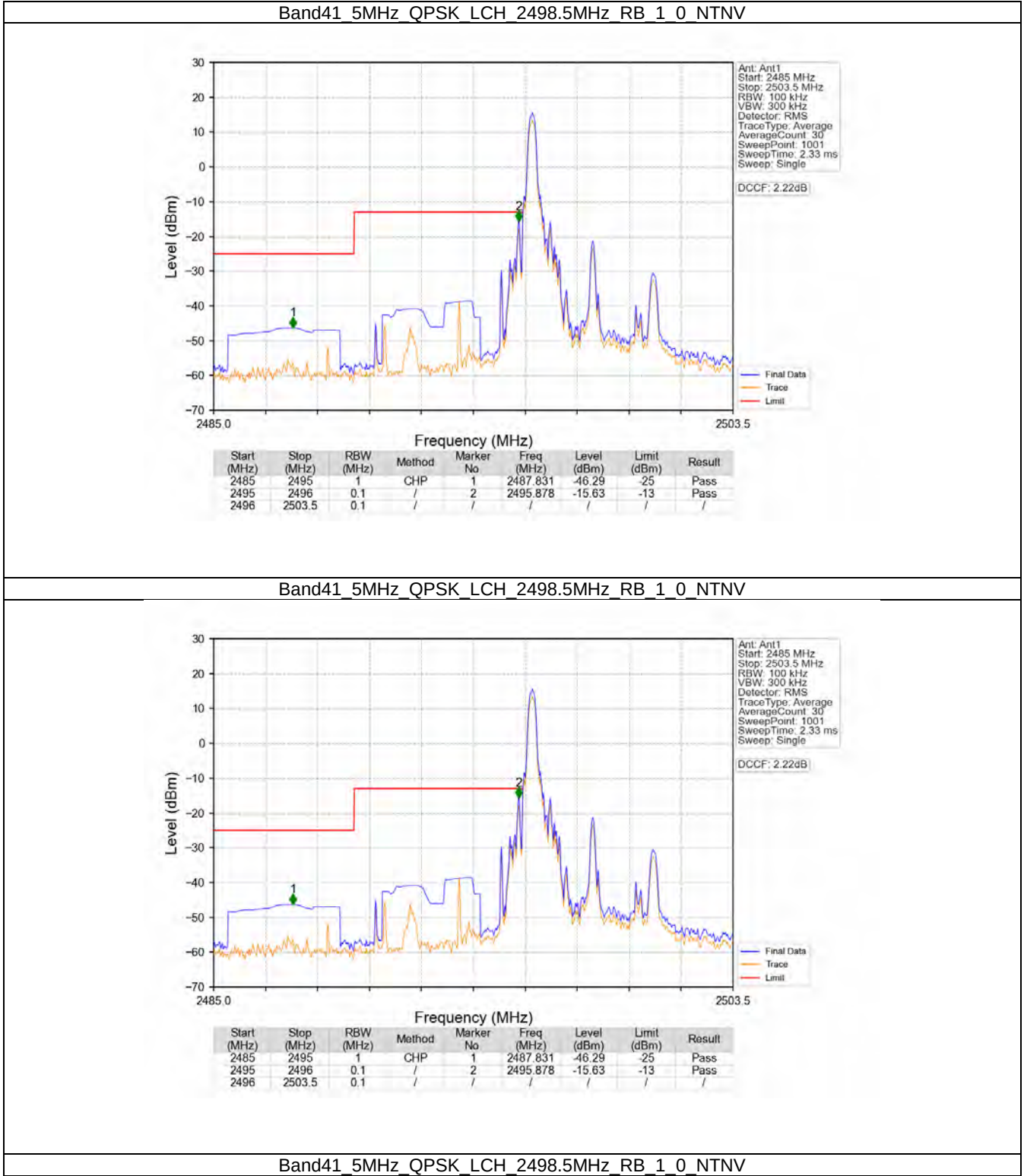
6. Spurious Emission

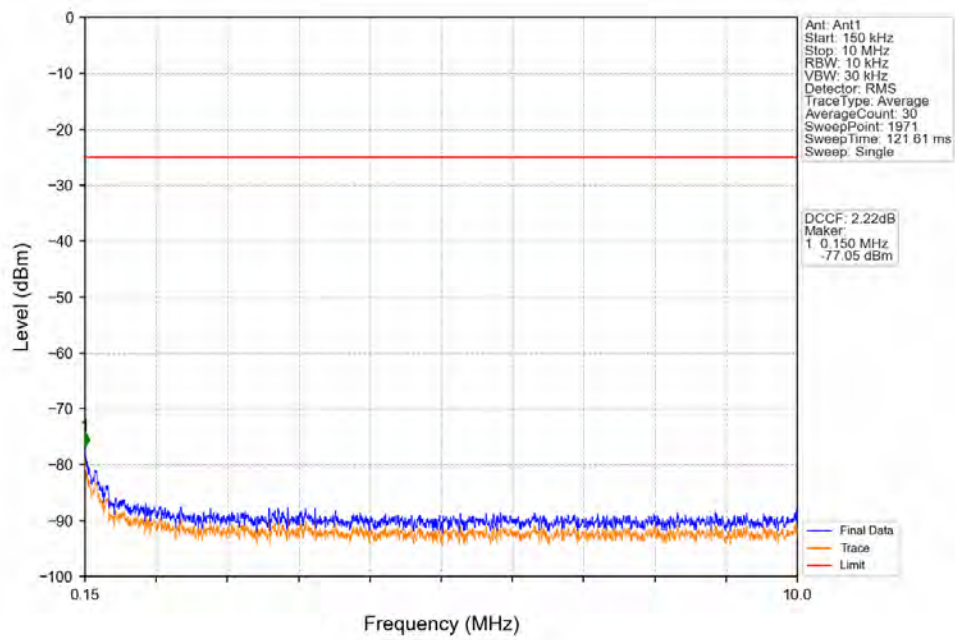
6.1 B41_5MHz

6.1.1 Test Result

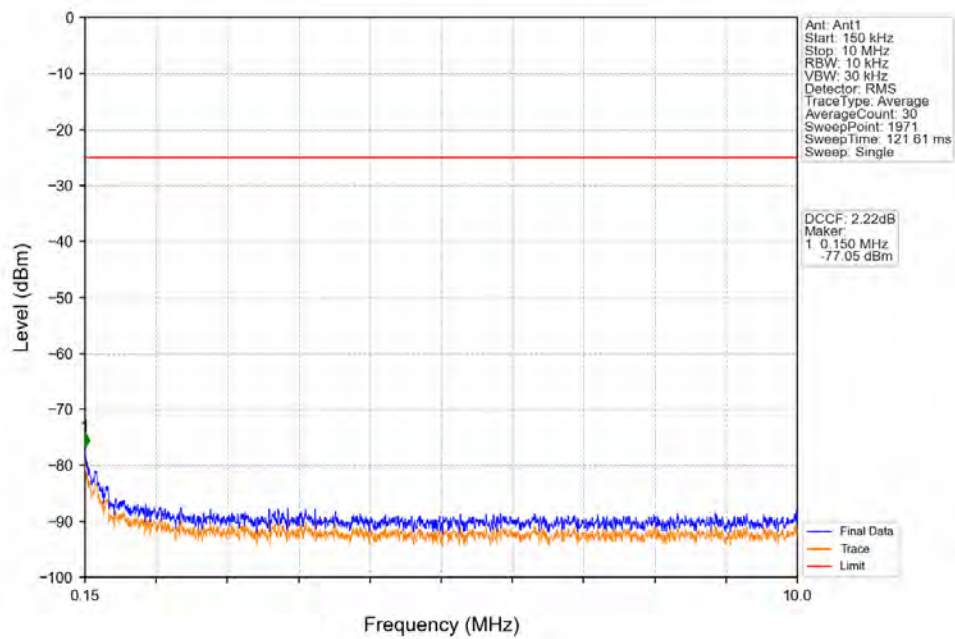
Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	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

6.1.2 Test Graph

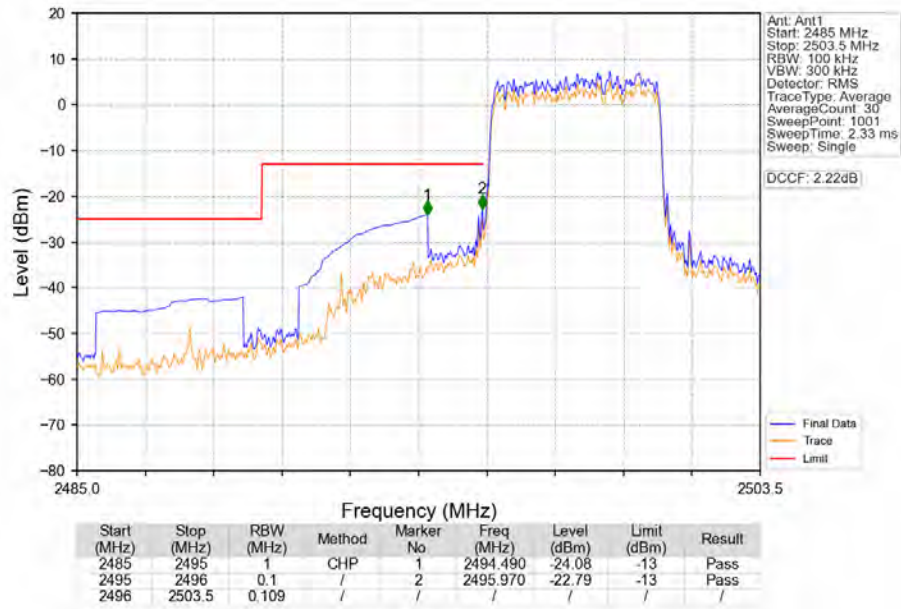




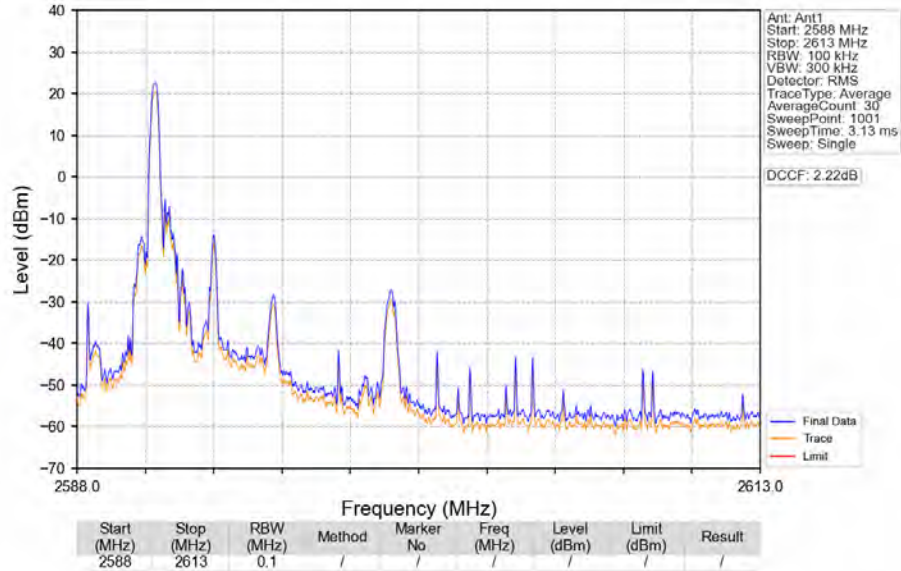
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



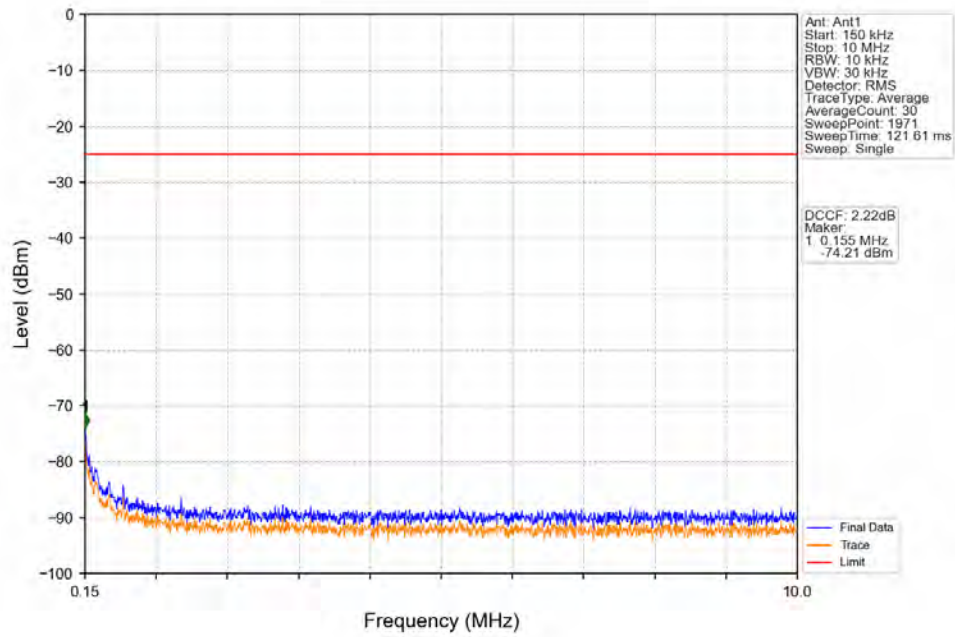
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



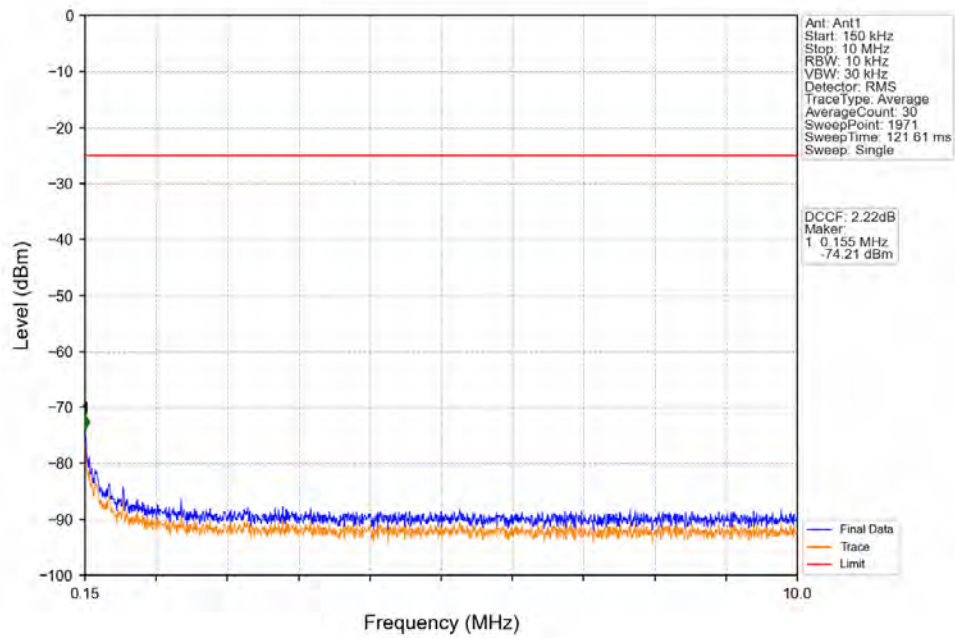
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



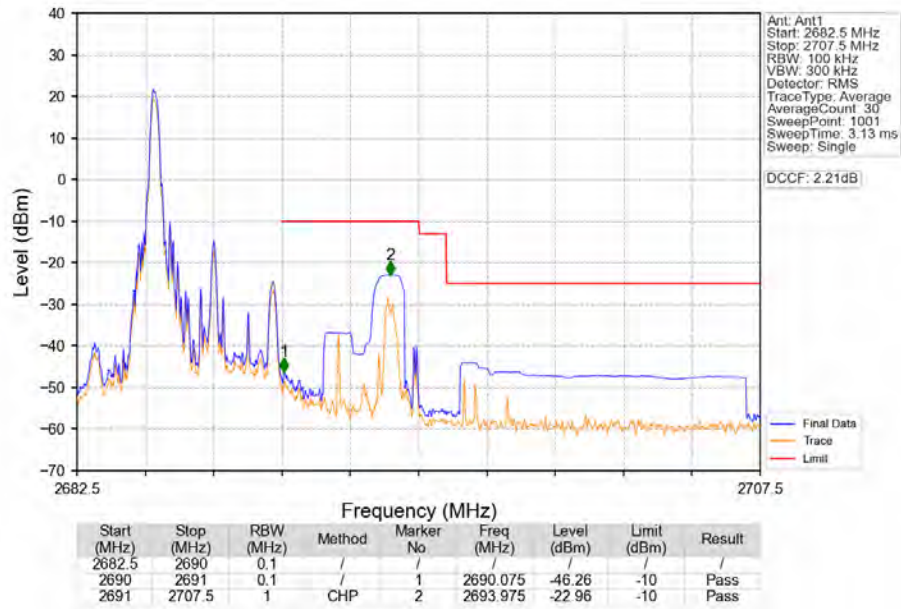
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



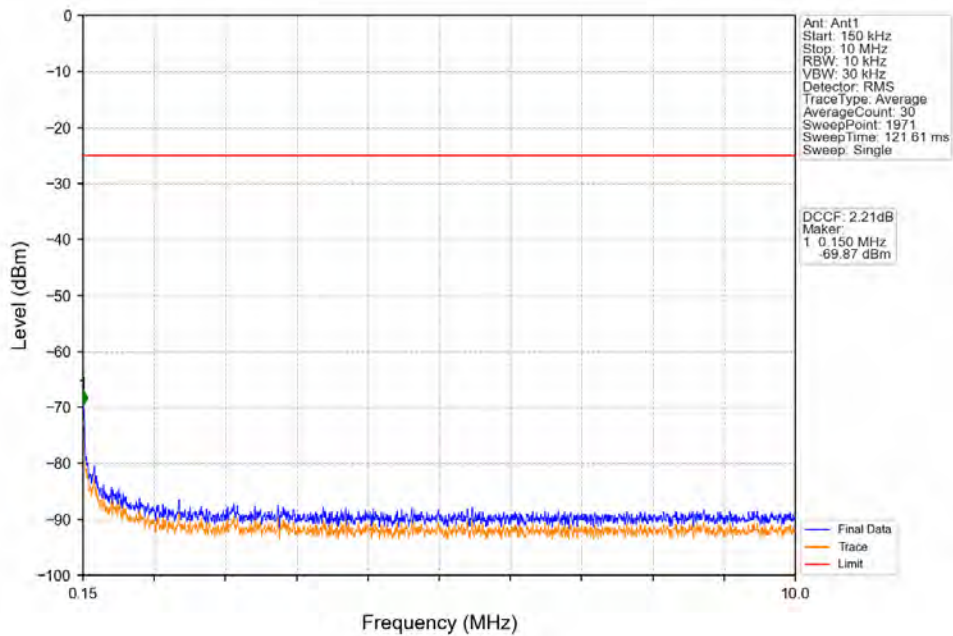
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



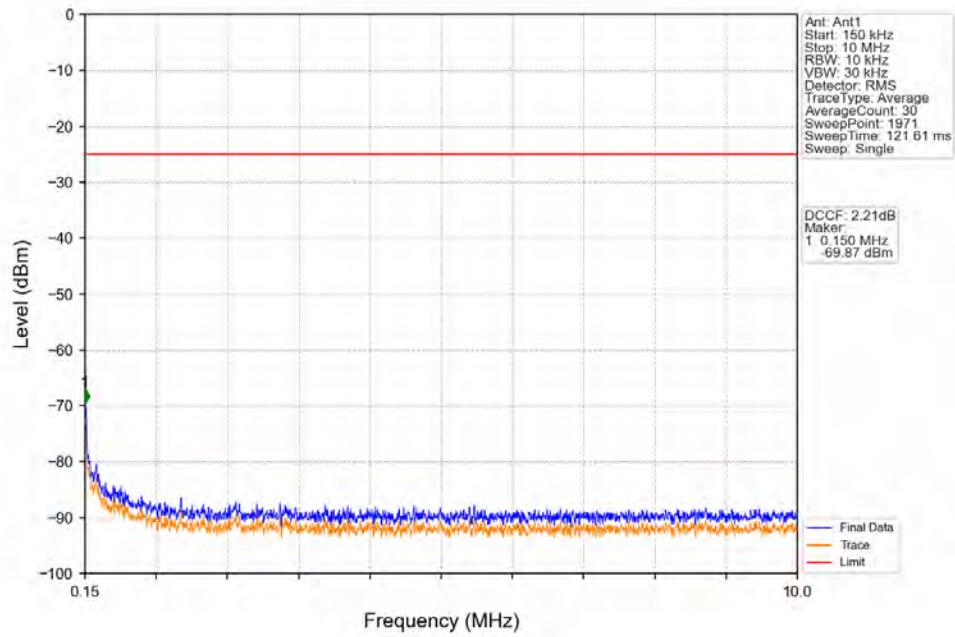
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



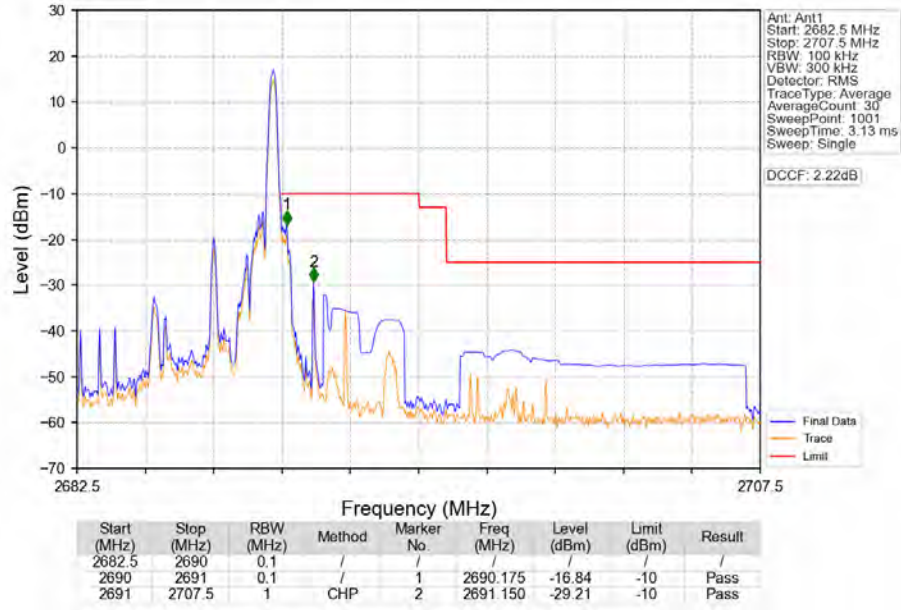
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



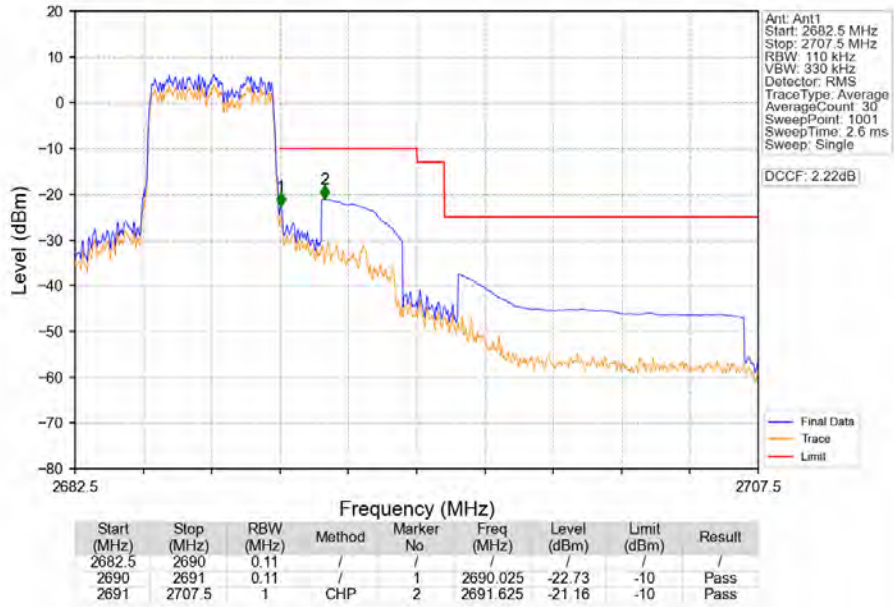
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



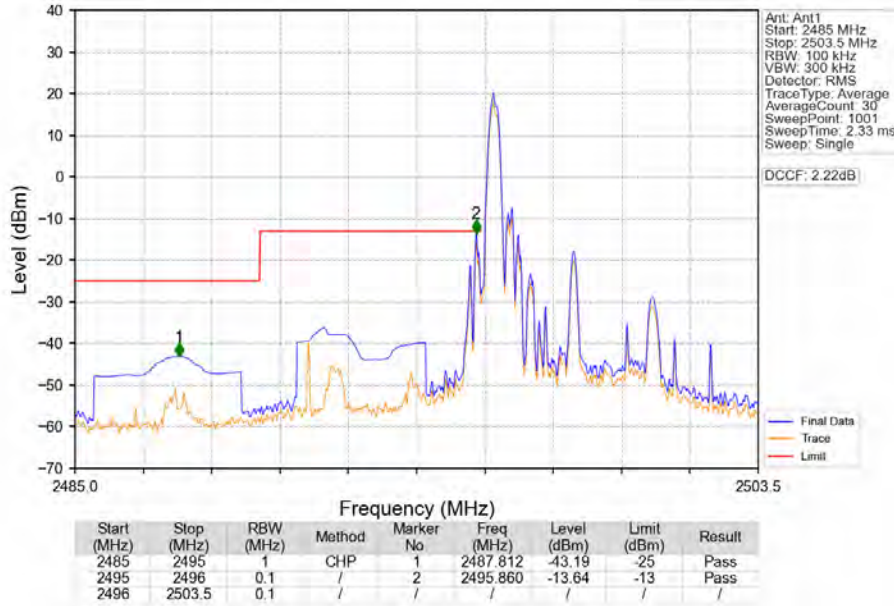
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



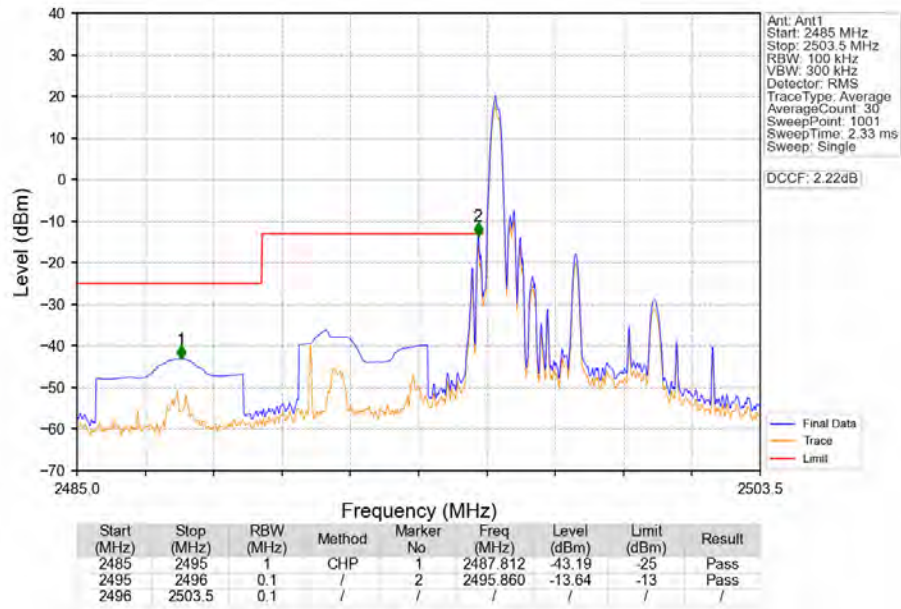
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



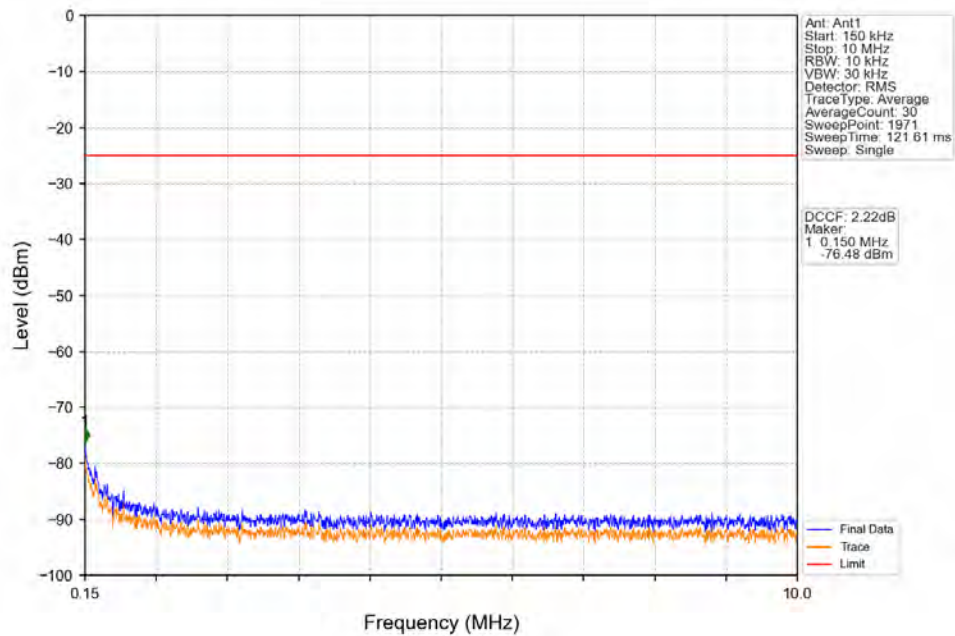
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



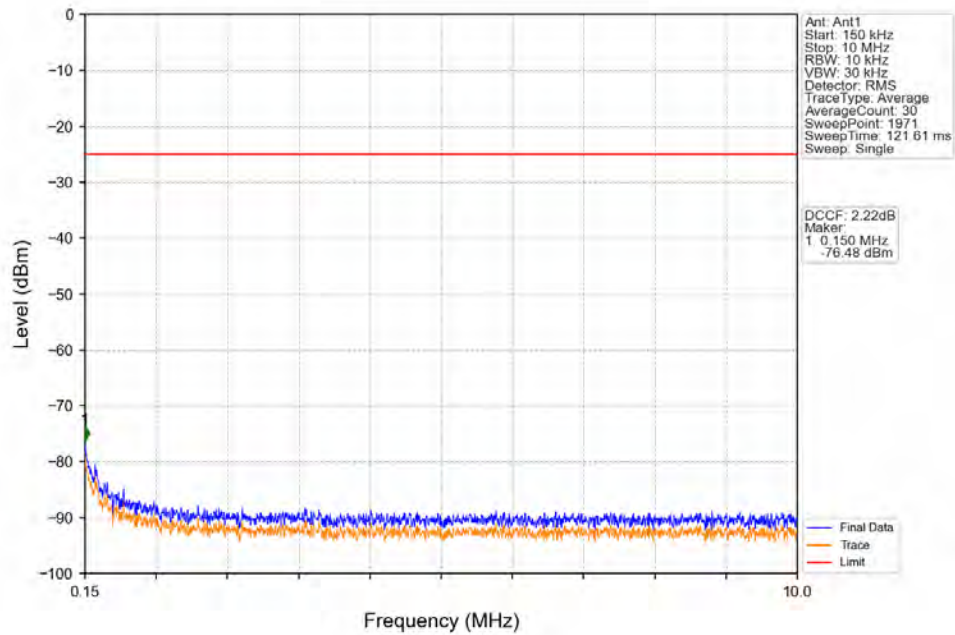
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



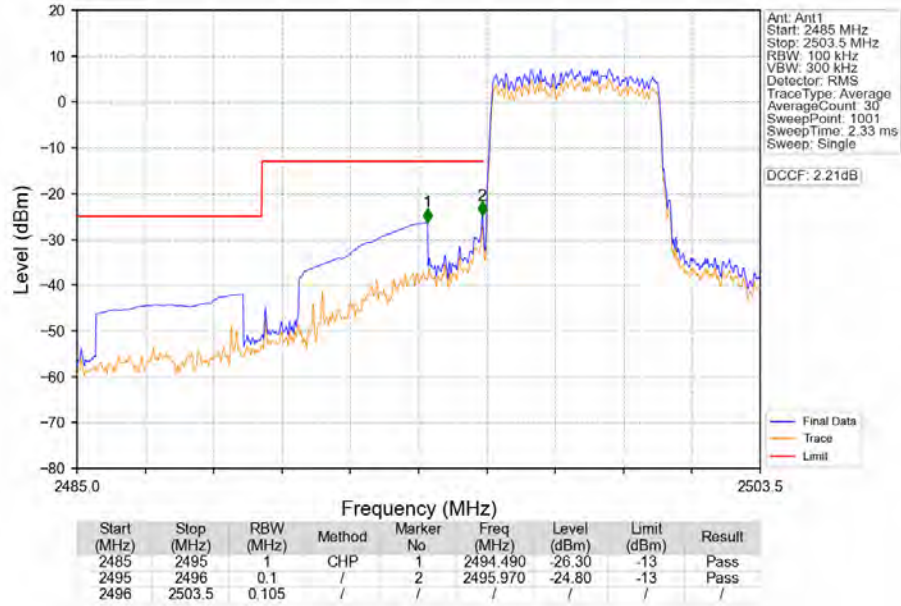
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



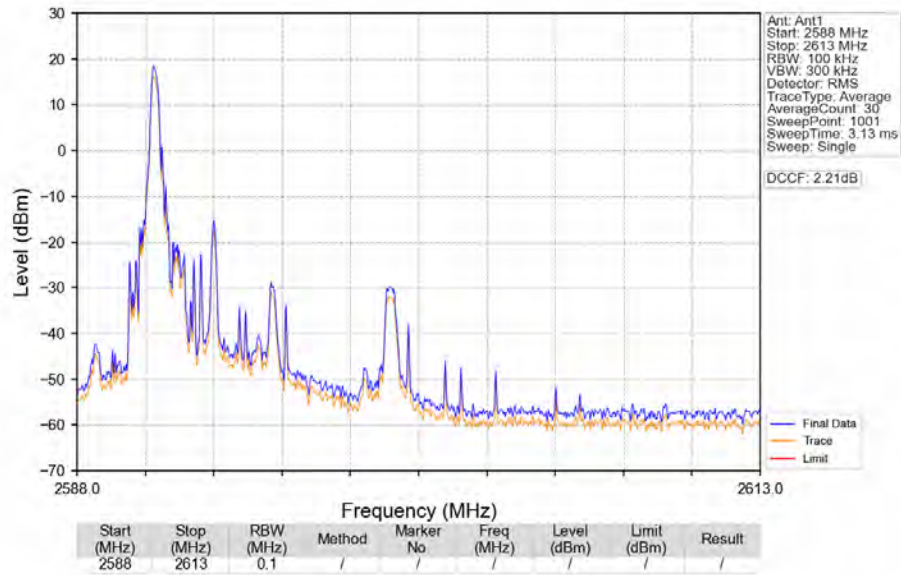
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



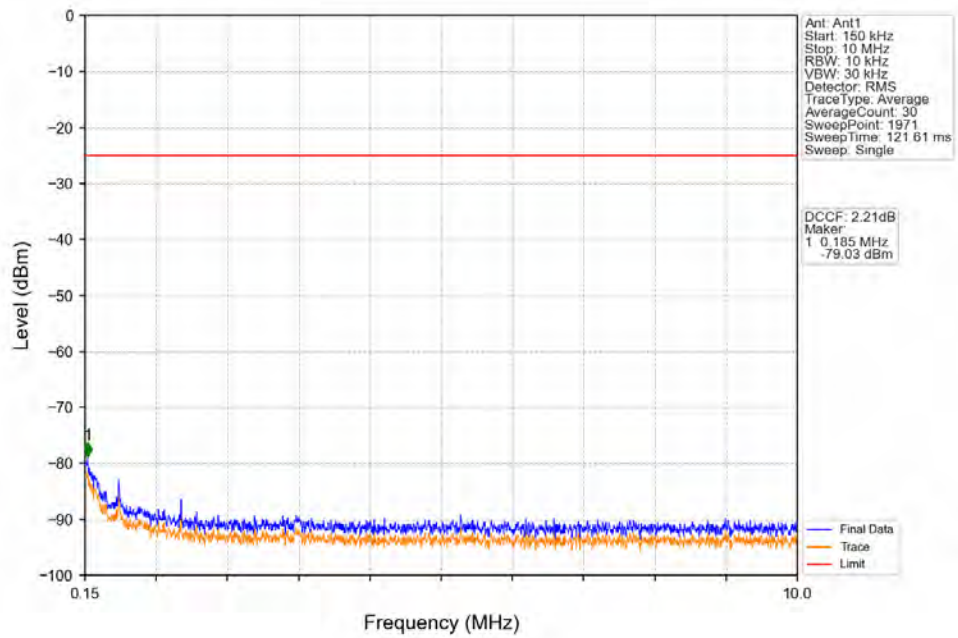
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



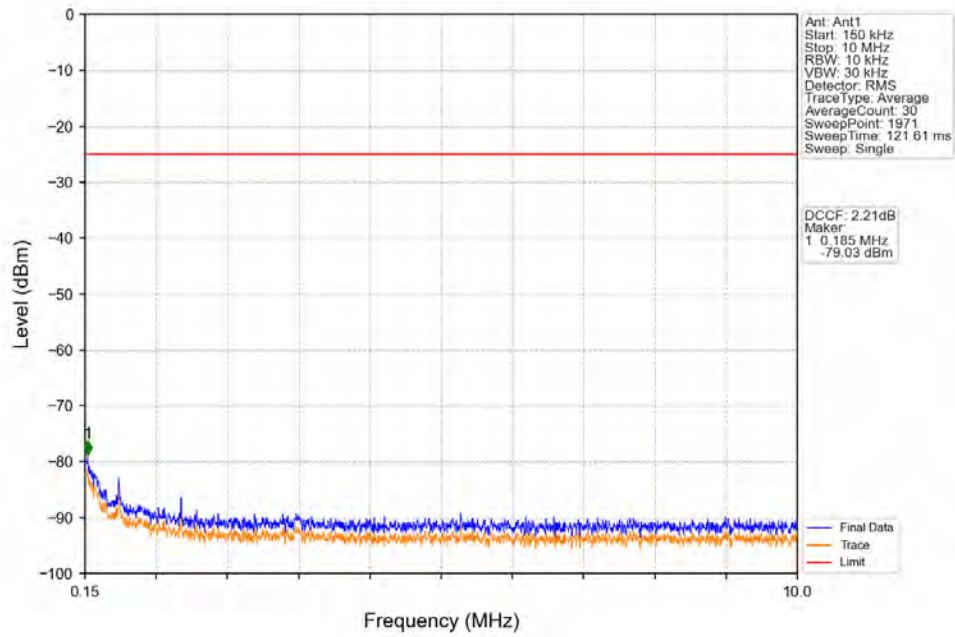
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



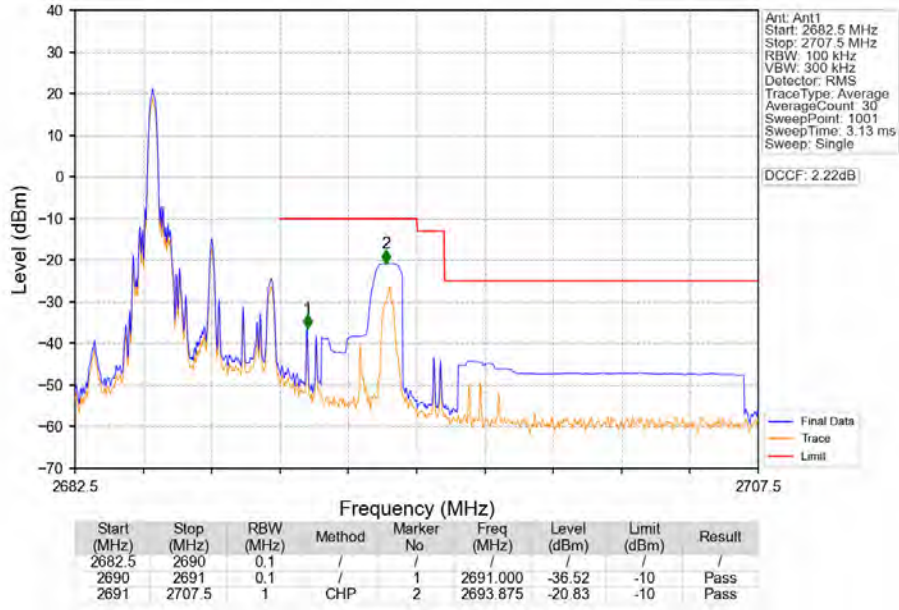
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



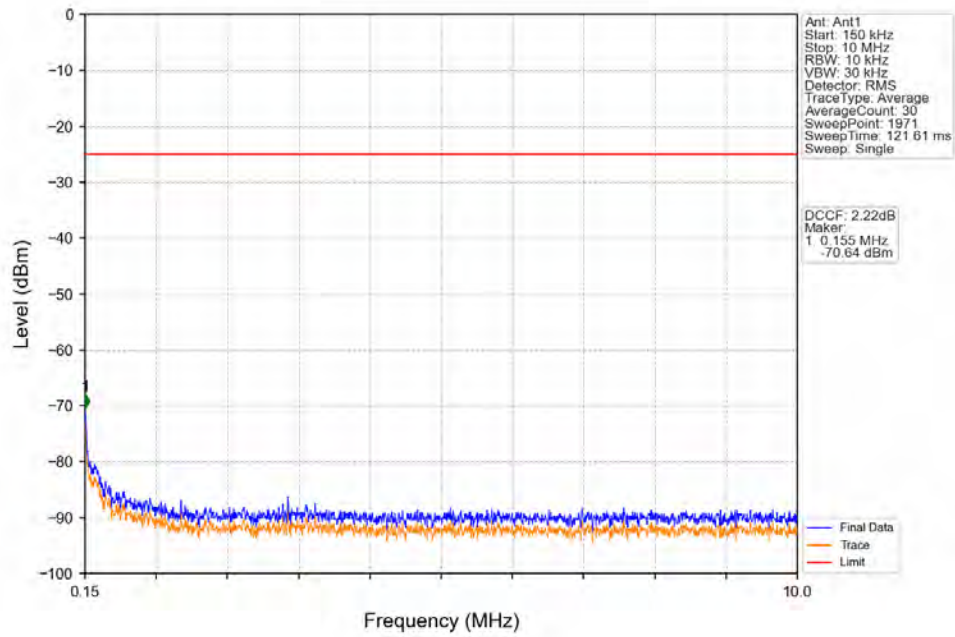
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



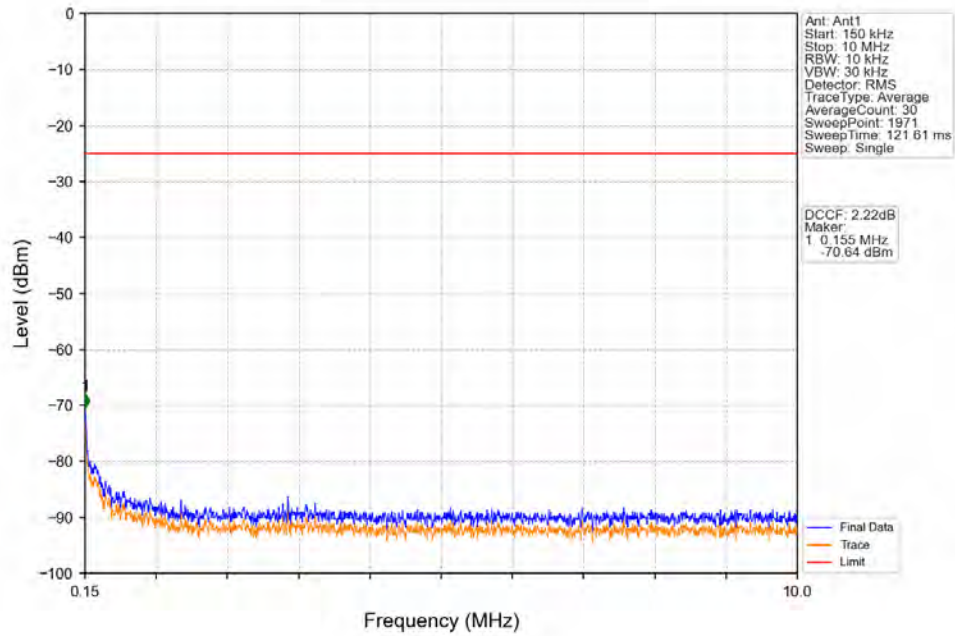
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



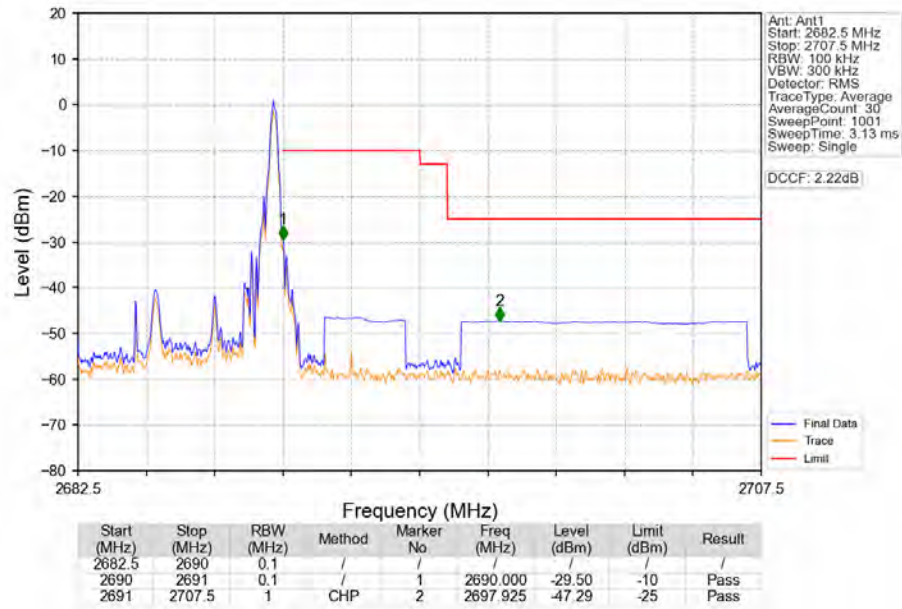
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



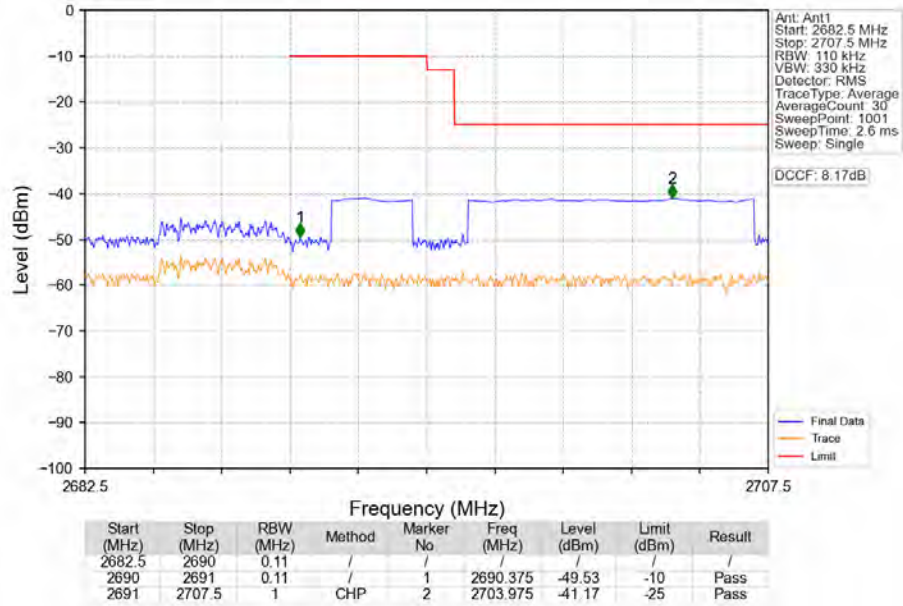
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_24_NTNV



Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV

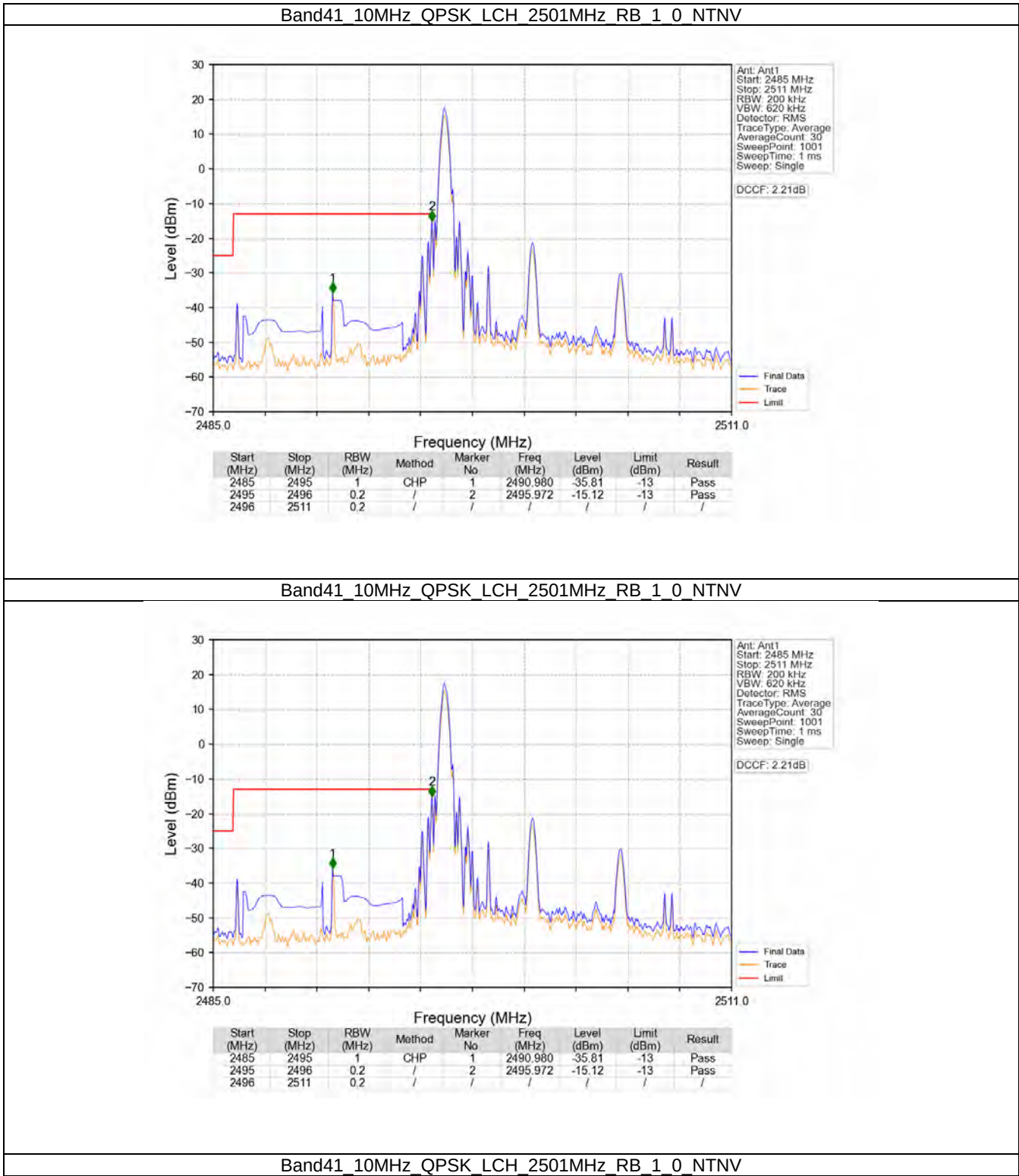


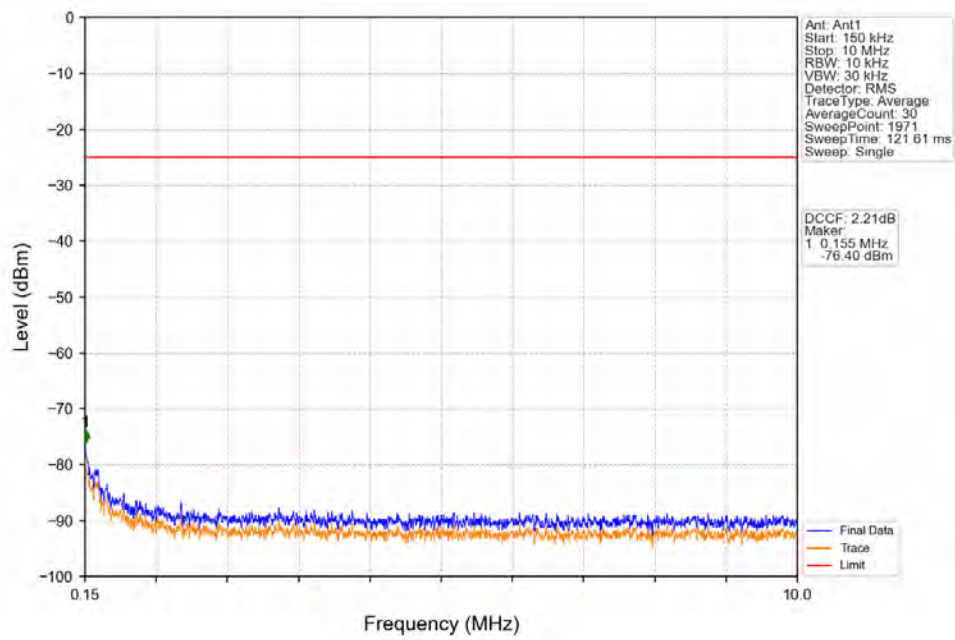
6.2 B41_10MHz

6.2.1 Test Result

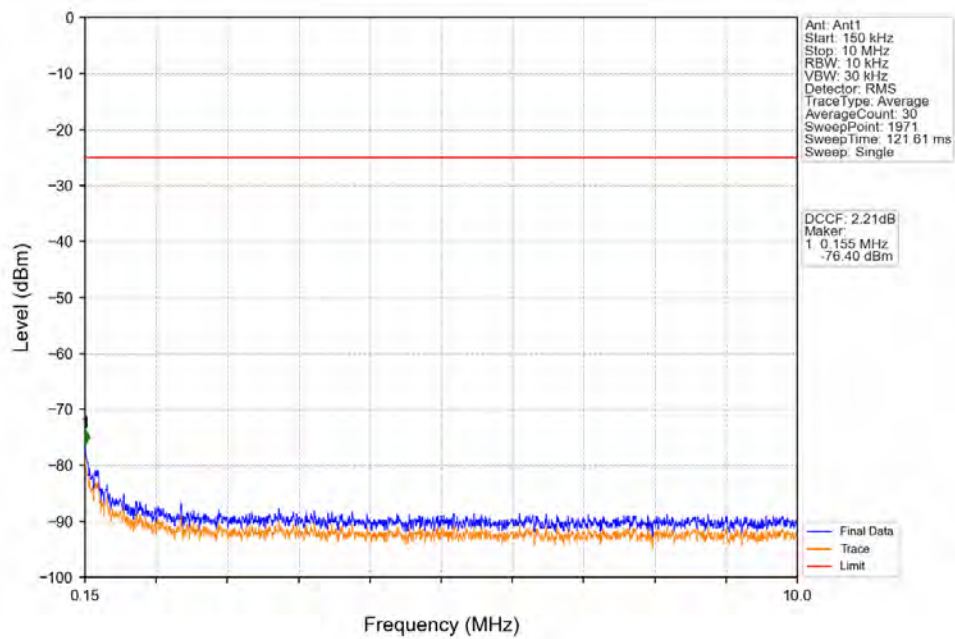
Band: 41 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2685	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	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

6.2.2 Test Graph

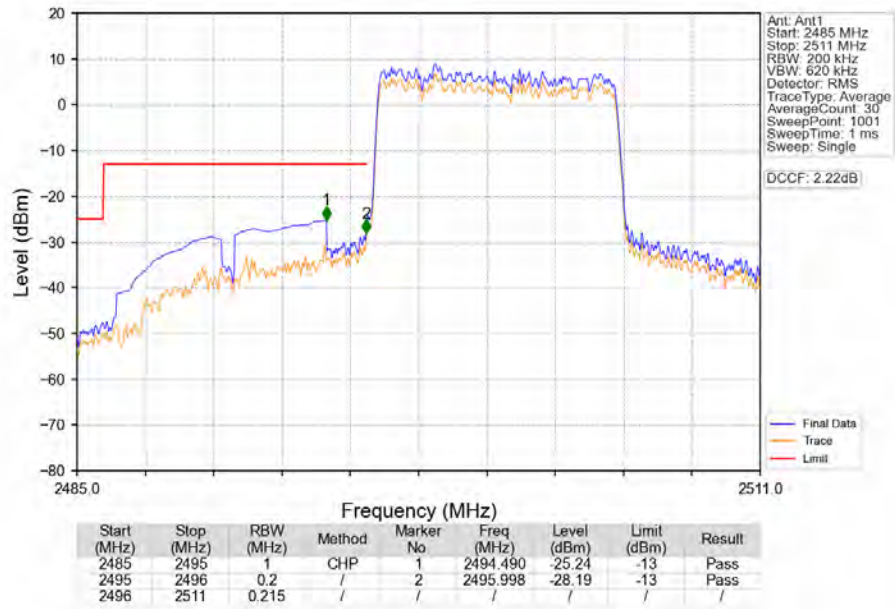




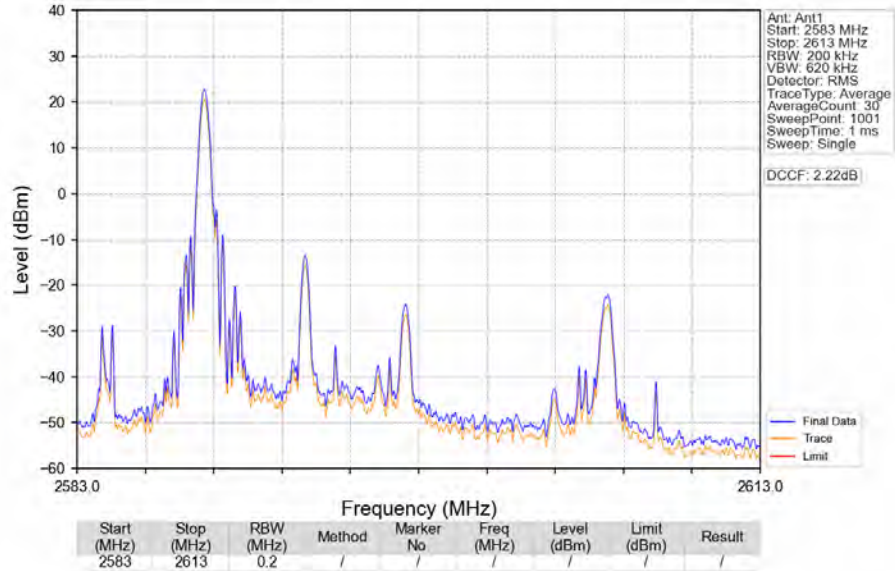
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



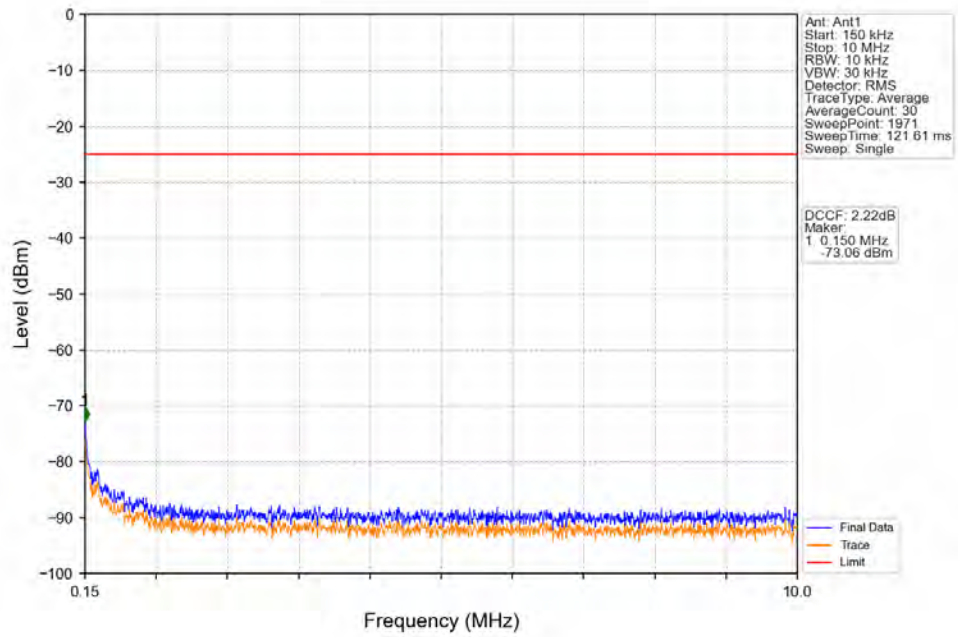
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



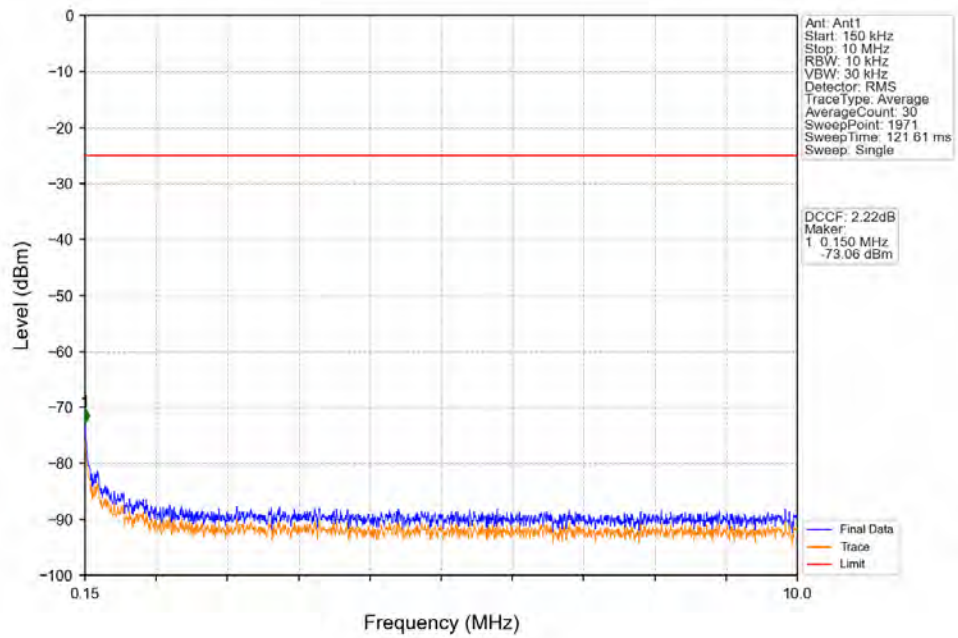
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



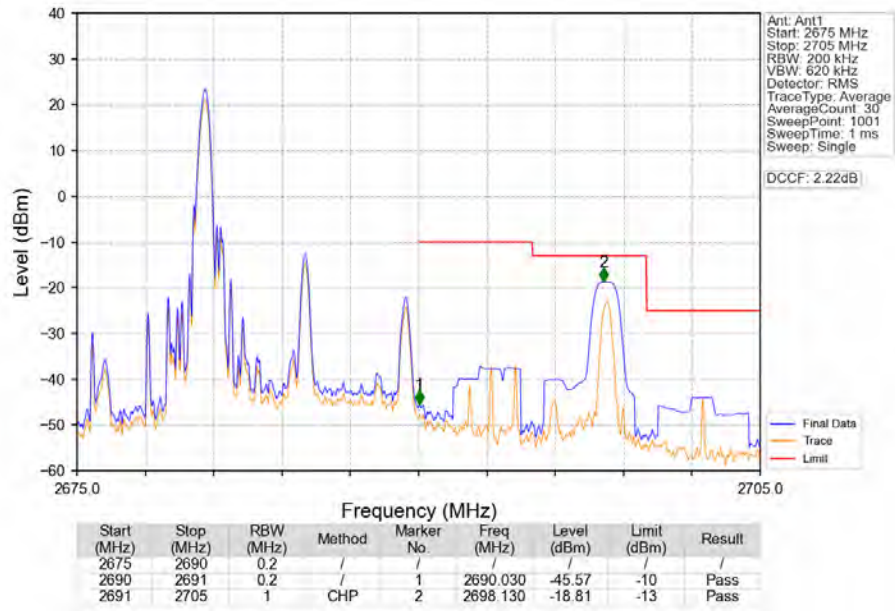
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



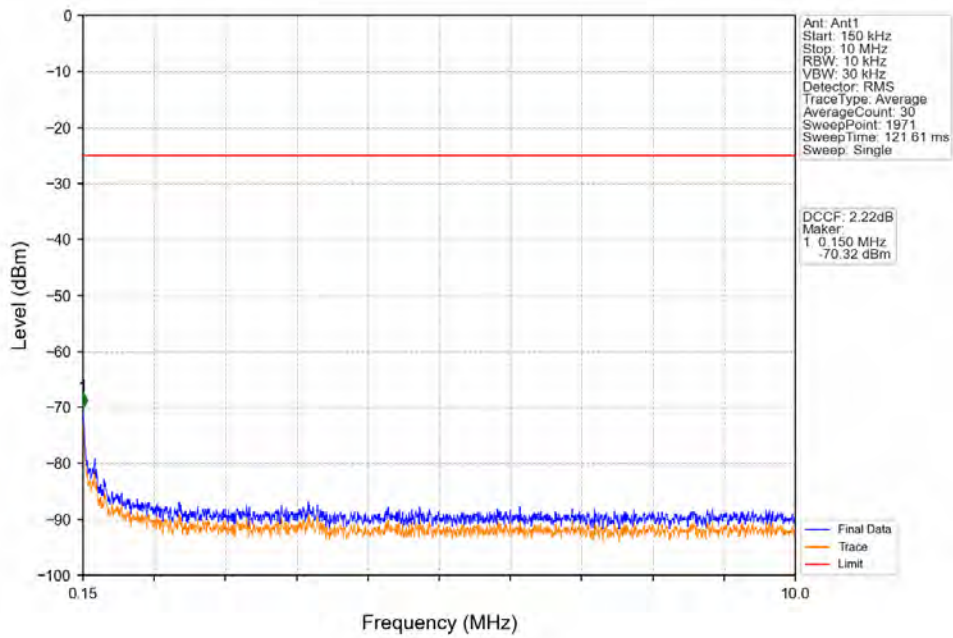
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



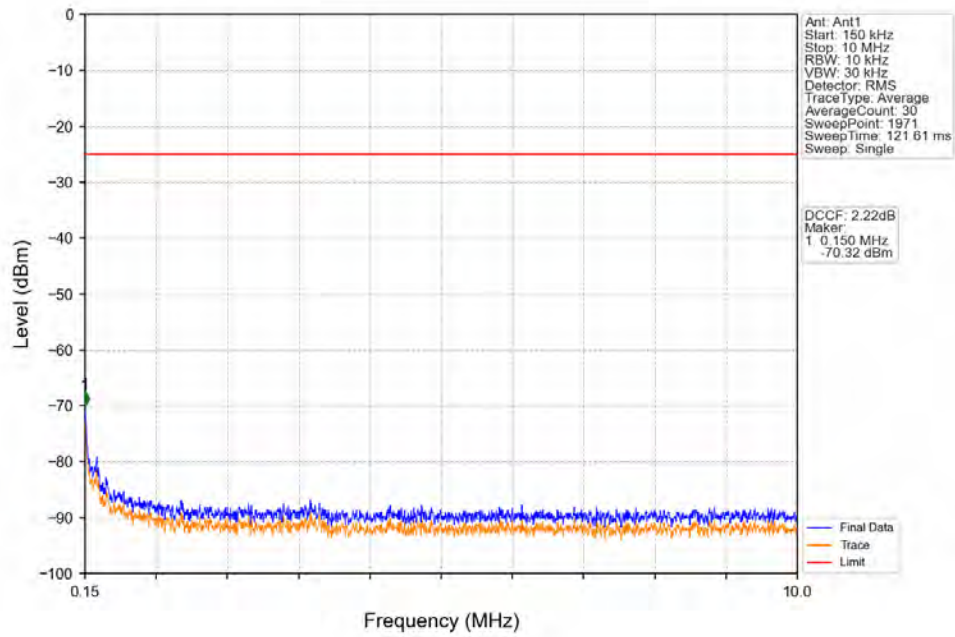
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



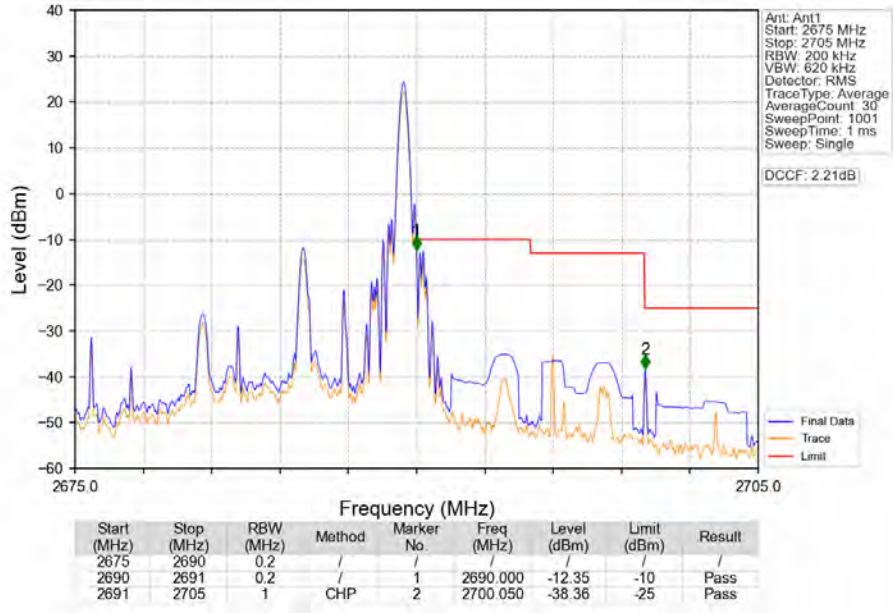
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



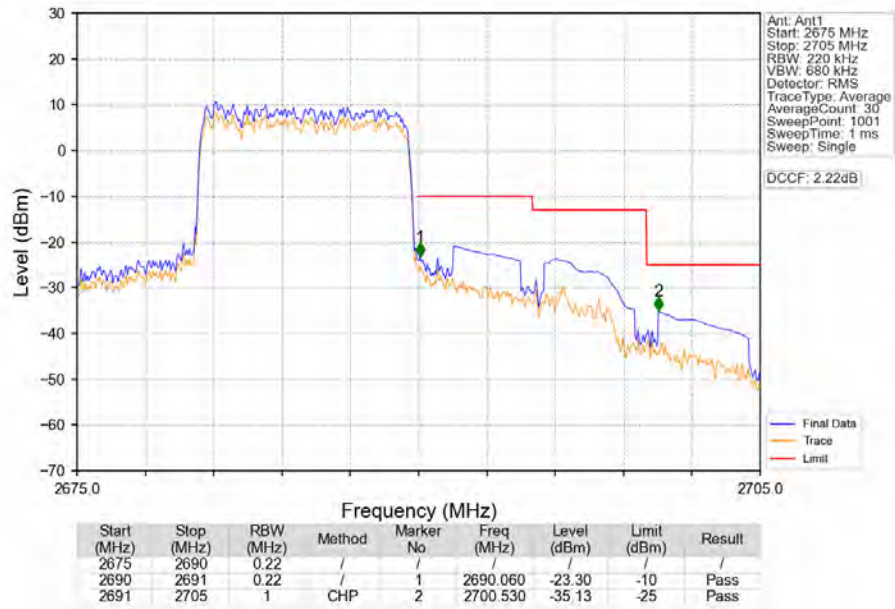
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



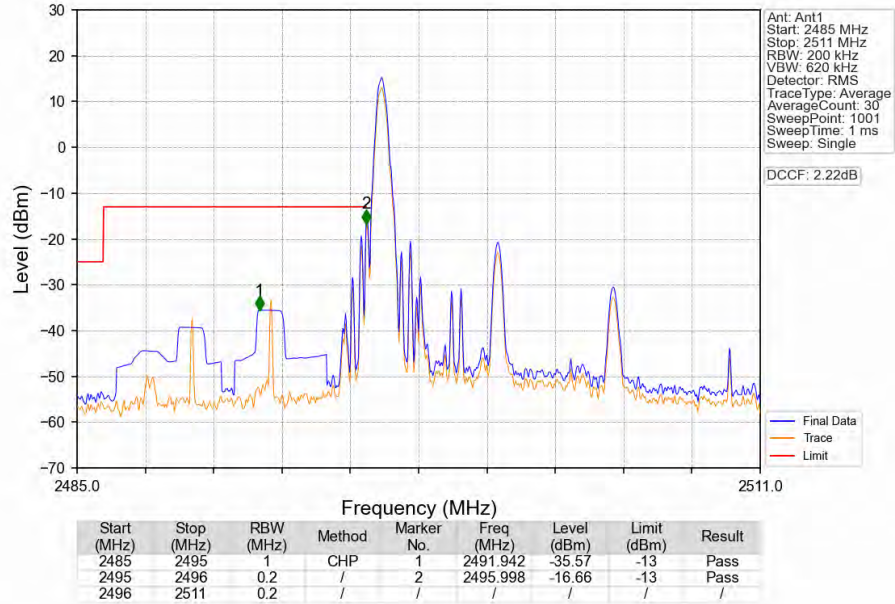
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



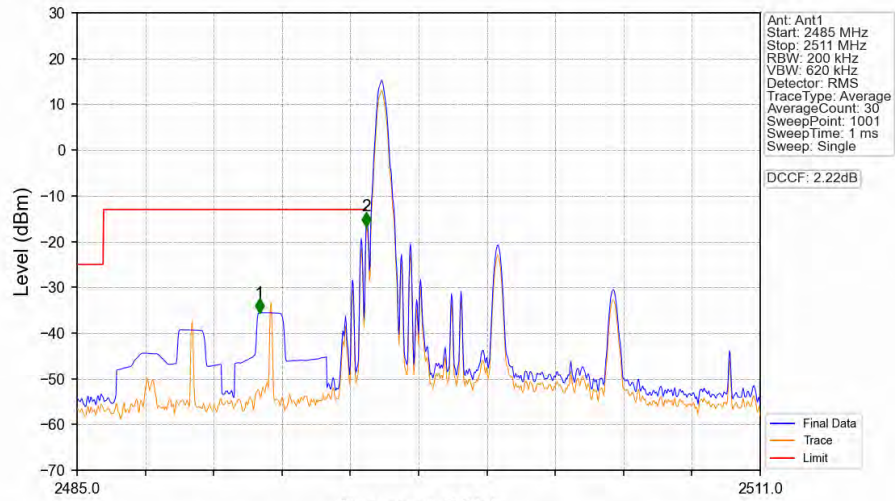
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



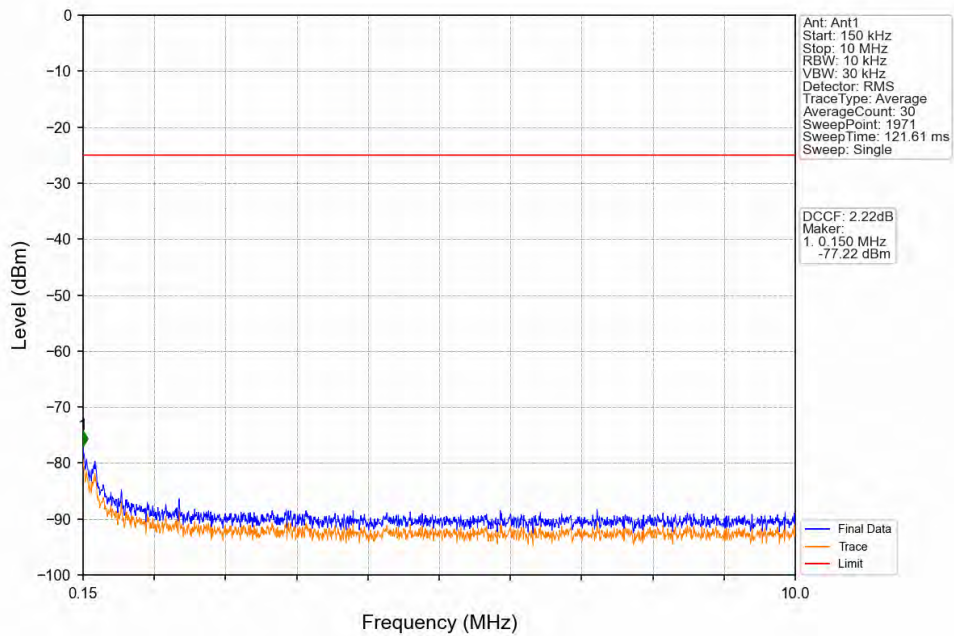
Band41_10MHz_16QAM_LCH_2501MHz_RB_1_0_NTNV



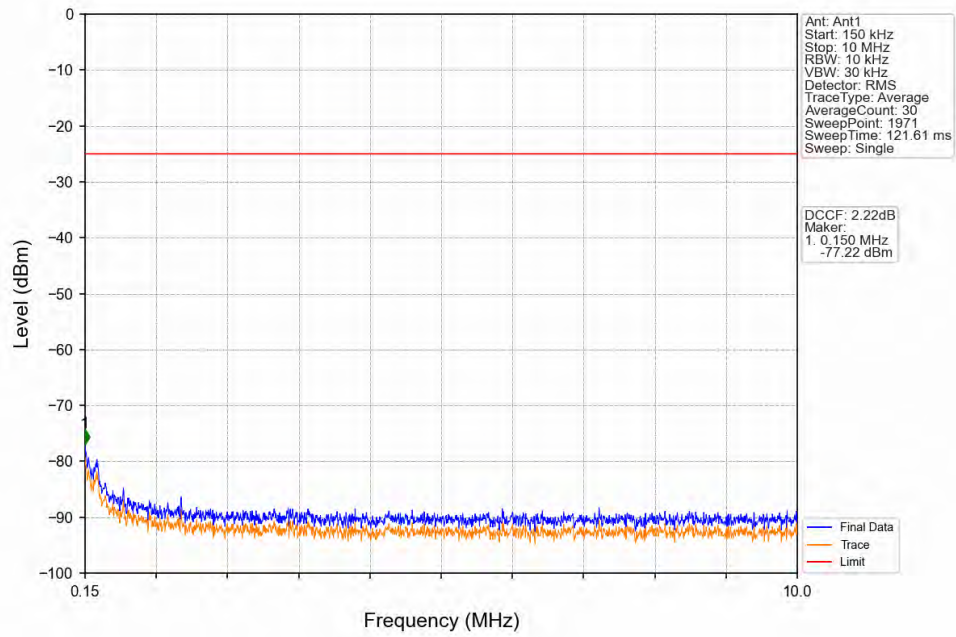
Band41_10MHz_16QAM_LCH_2501MHz_RB_1_0_NTNV



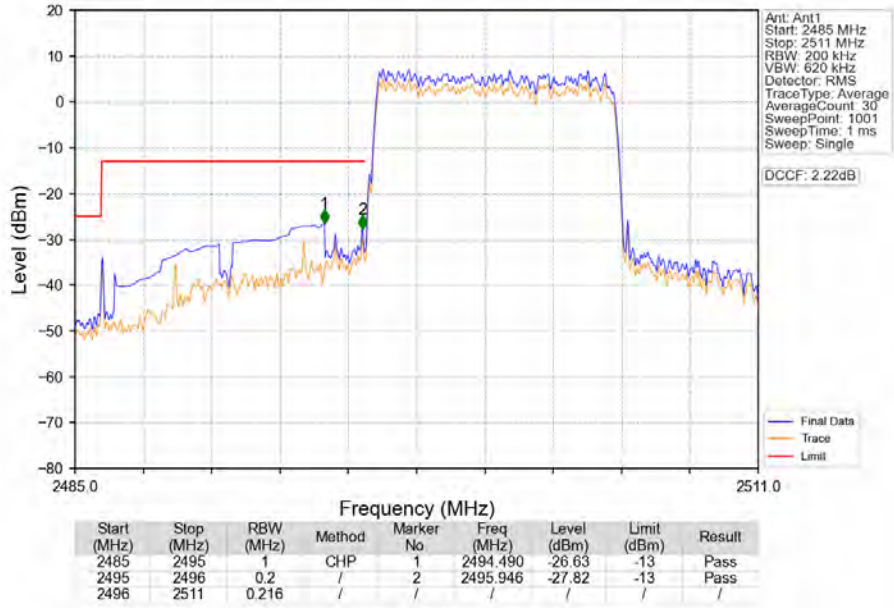
Band41_10MHz_16QAM_LCH_2501MHz_RB_1_0_NTNV



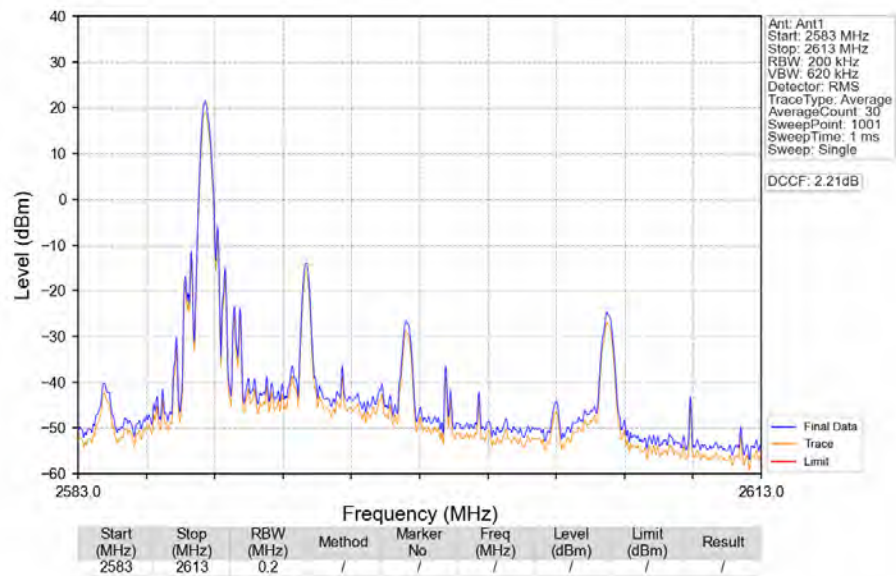
Band41_10MHz_16QAM_LCH_2501MHz_RB_1_0_NTNV



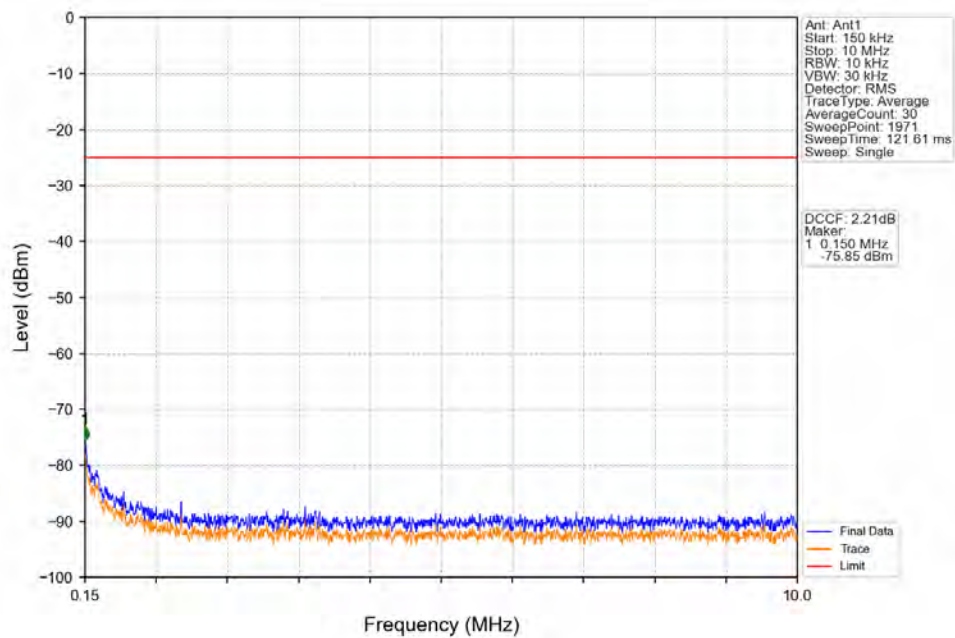
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



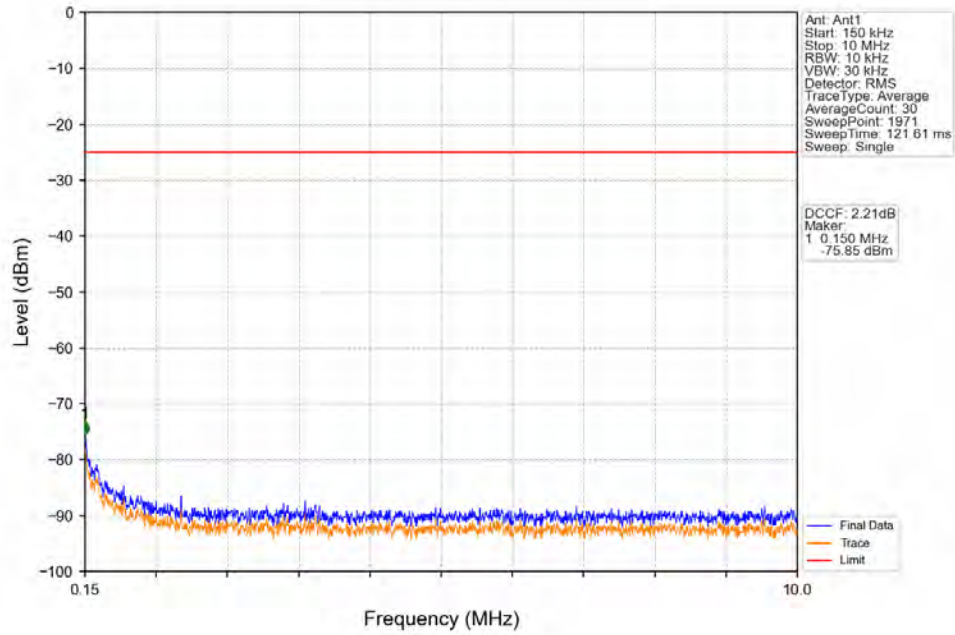
Band41_10MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



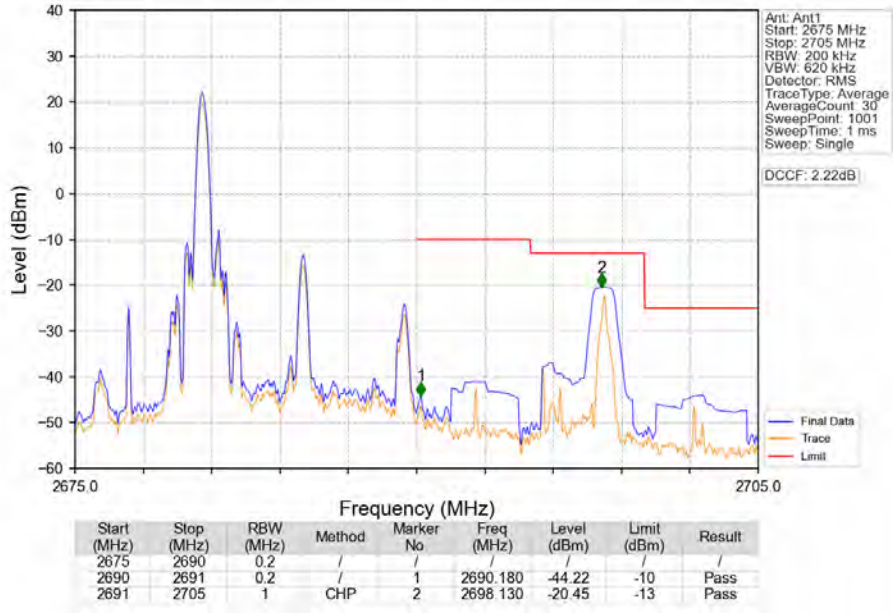
Band41_10MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



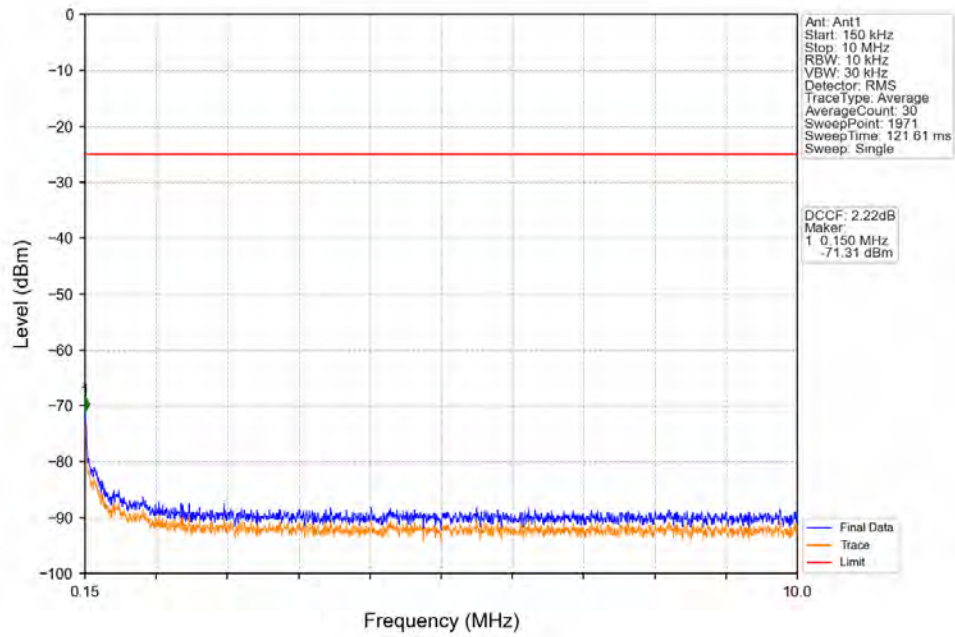
Band41_10MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



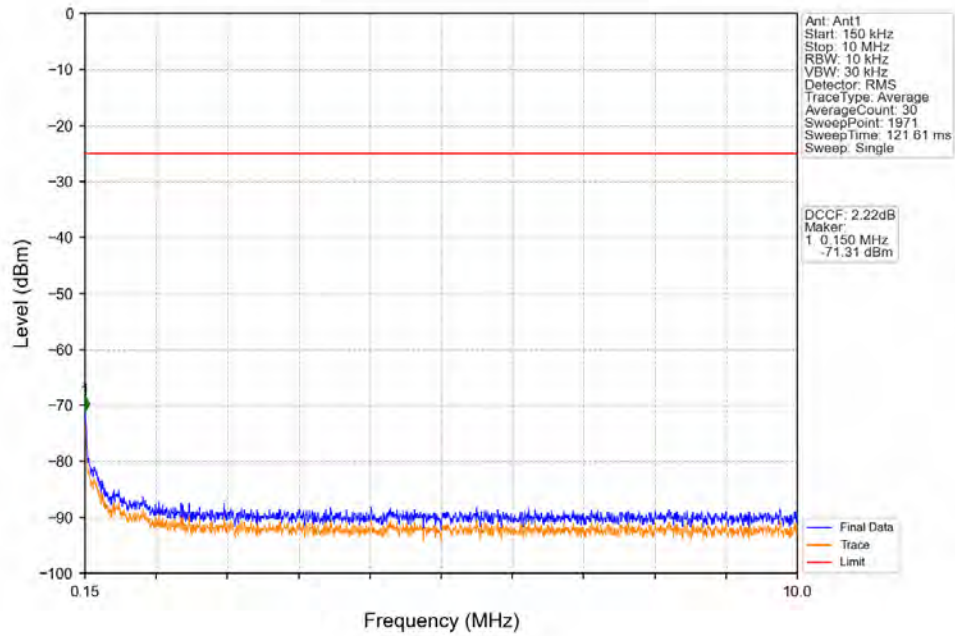
Band41_10MHz_16QAM_HCH_2685MHz_RB_1_0_NTNV



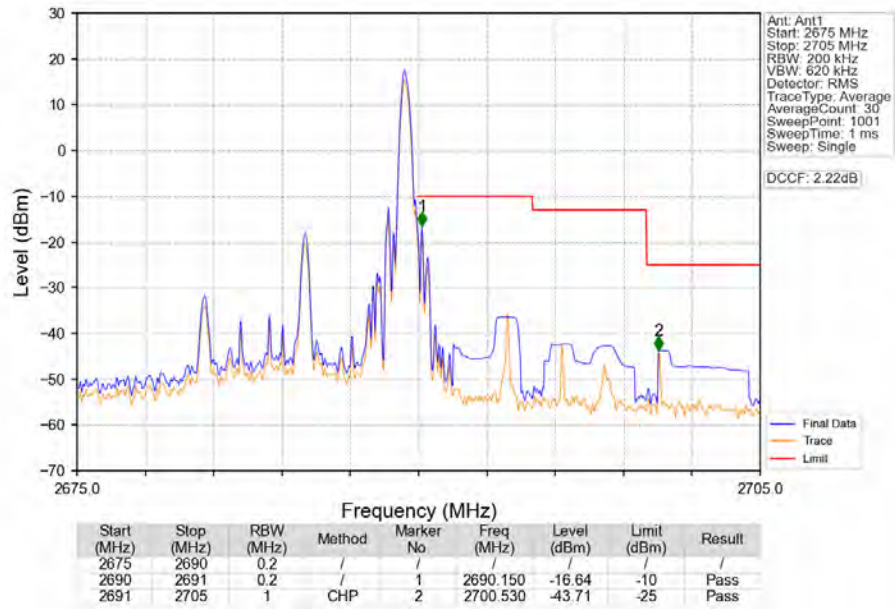
Band41_10MHz_16QAM_HCH_2685MHz_RB_1_0_NTNV



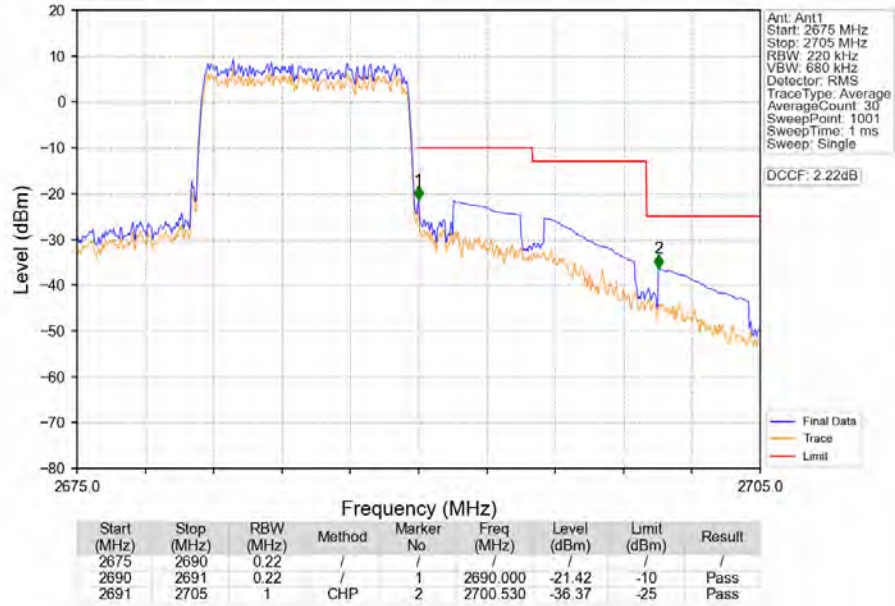
Band41_10MHz_16QAM_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_HCH_2685MHz_RB_1_49_NTNV



Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV

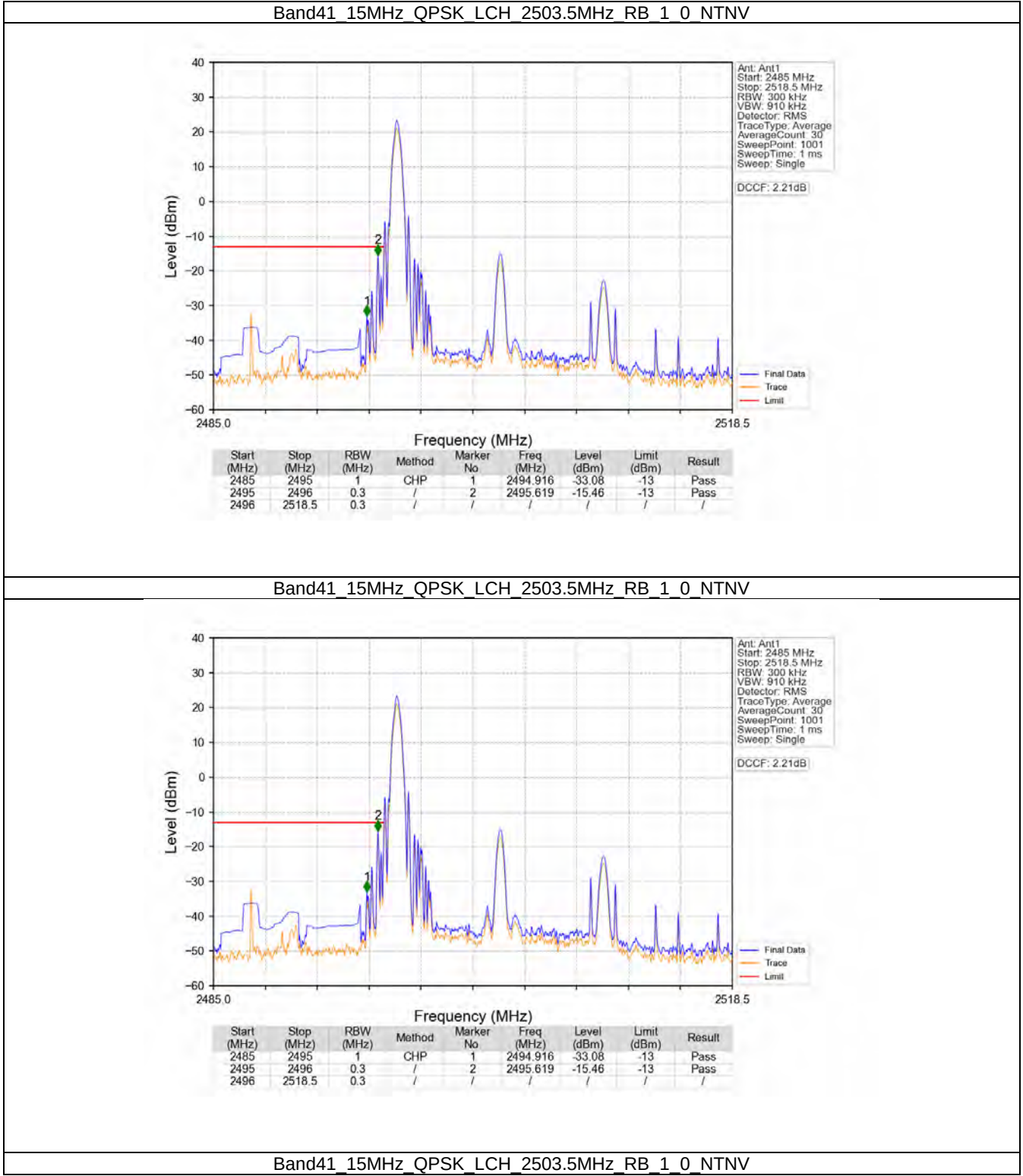


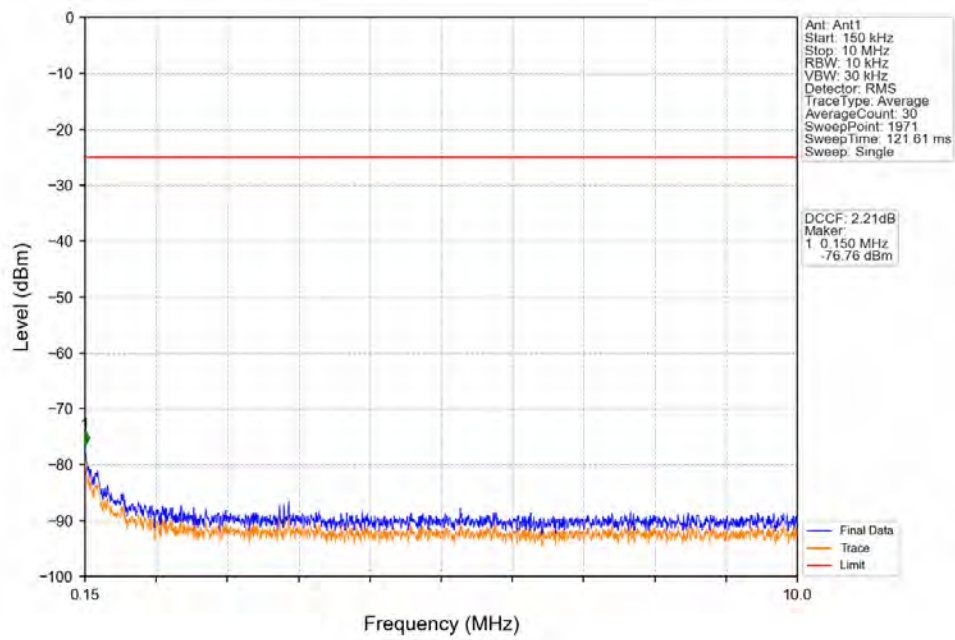
6.3 B41_15MHz

6.3.1 Test Result

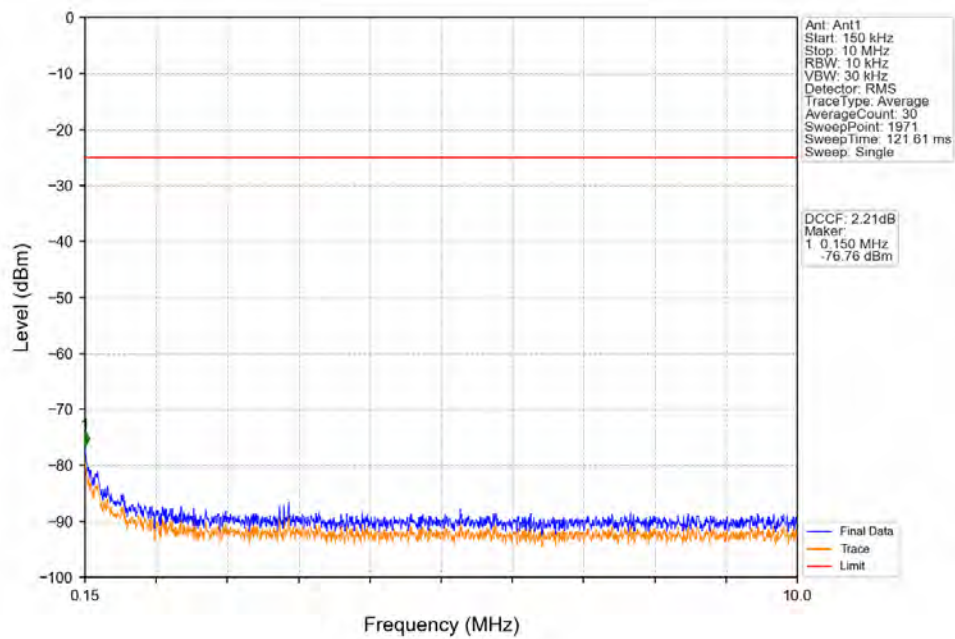
Band: 41 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	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

6.3.2 Test Graph

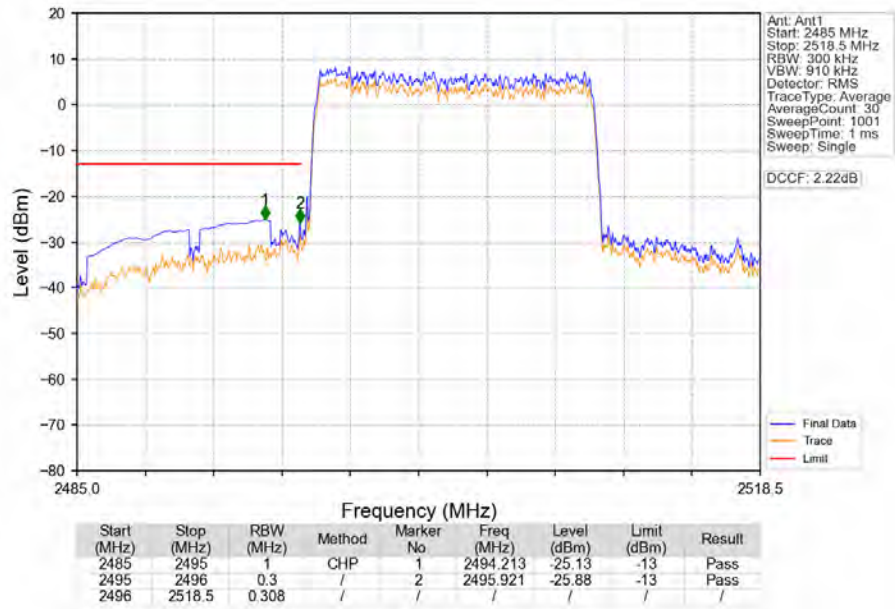




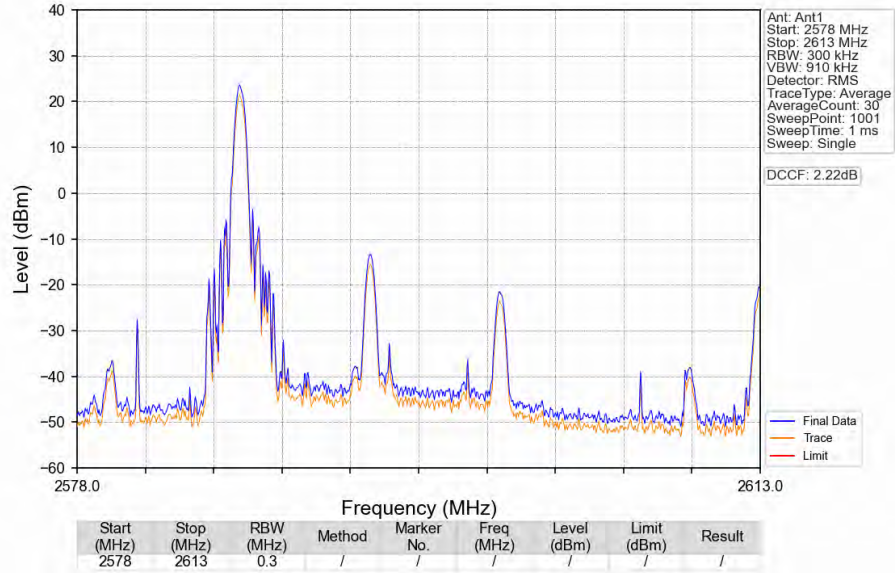
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



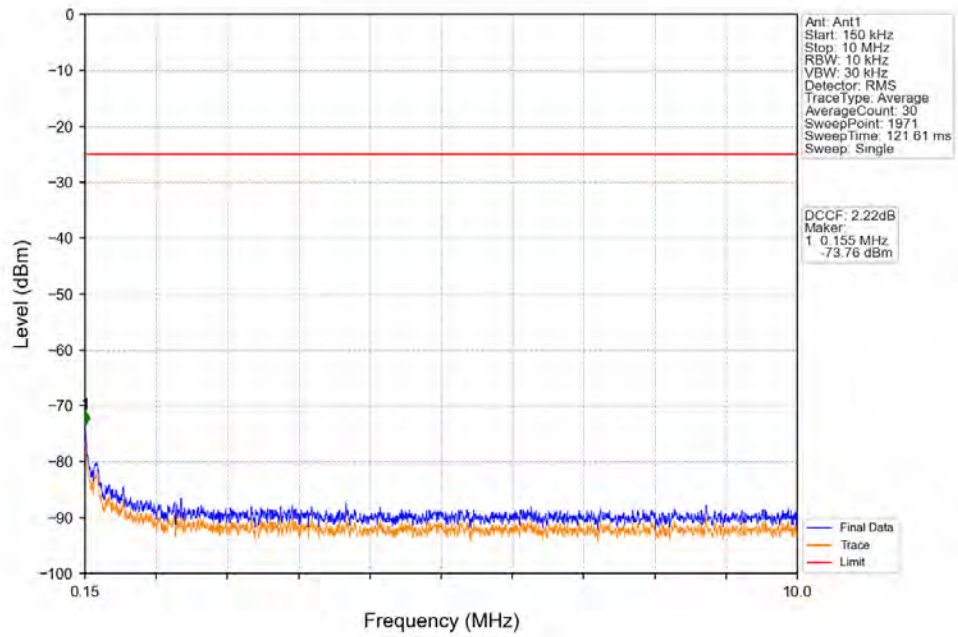
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



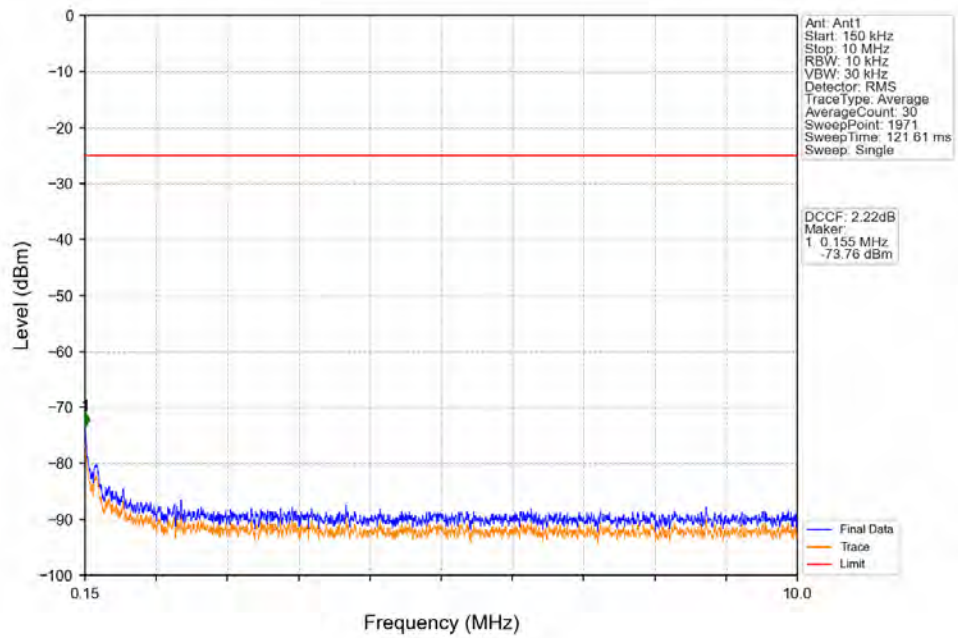
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



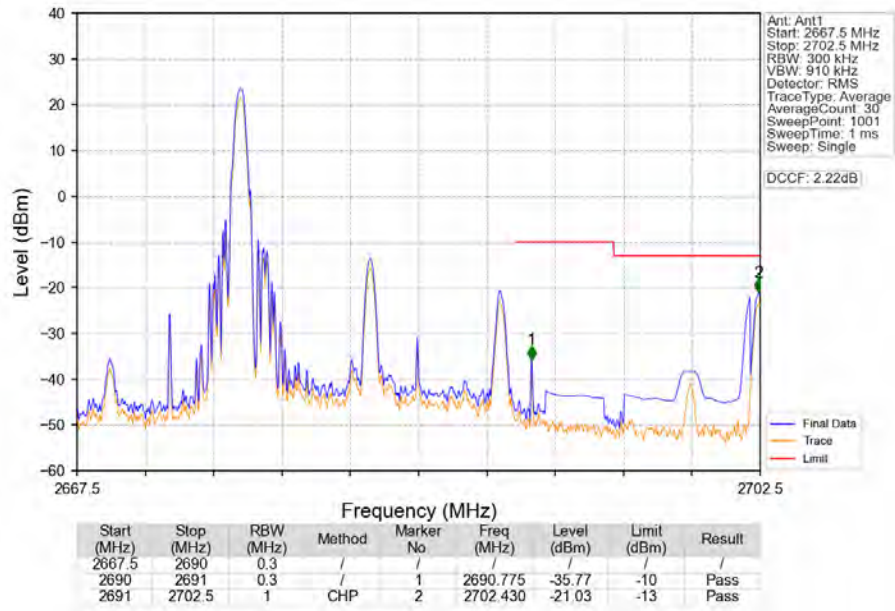
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



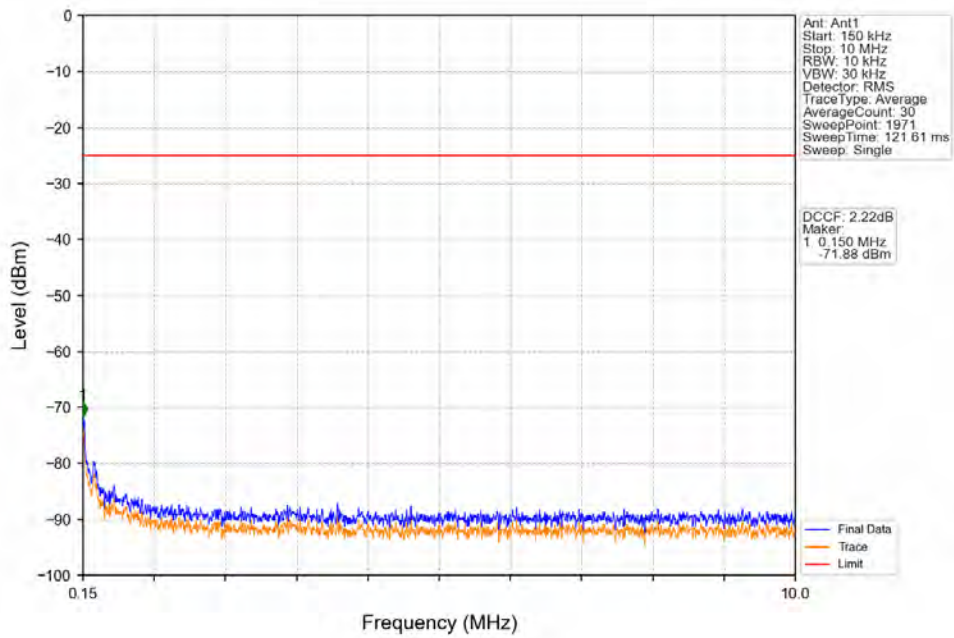
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



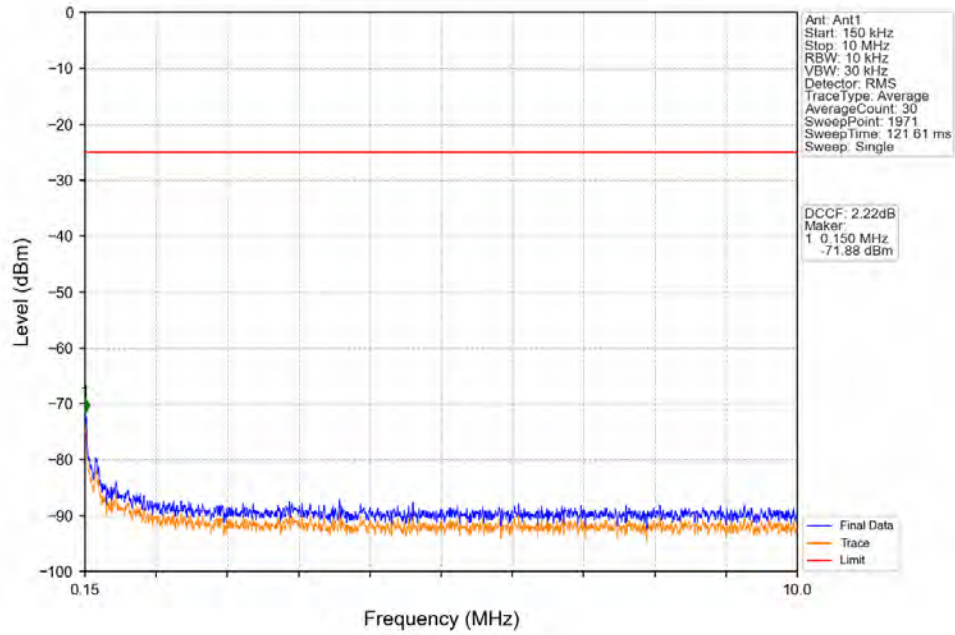
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV

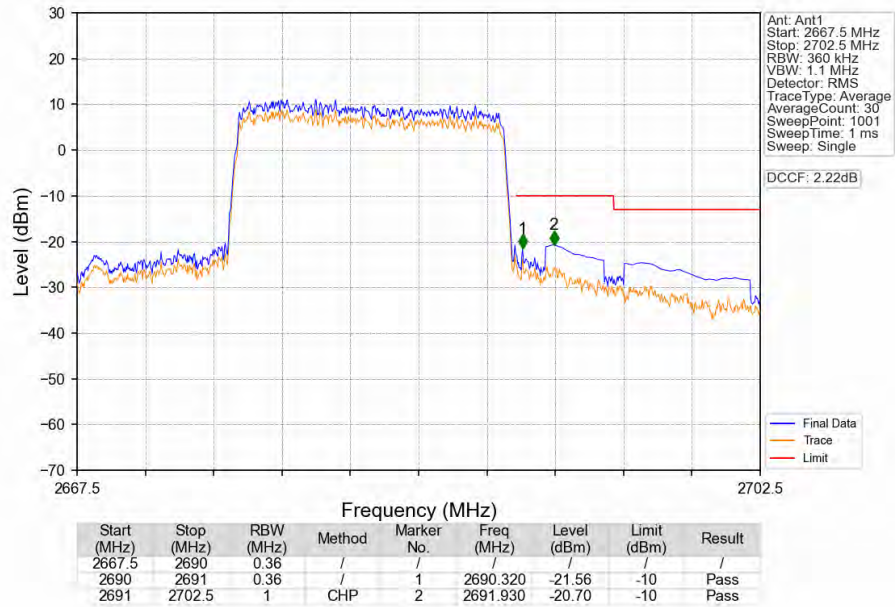


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV

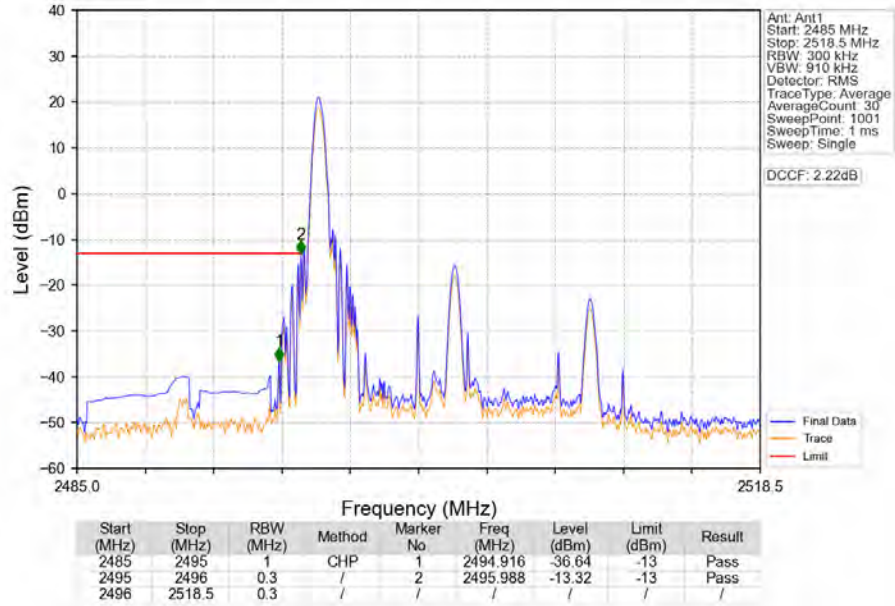


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2667.5	2690	0.3	/	1	2690.075	-13.63	-10	Pass
2690	2691	0.3	/	2	2695.150	-32.49	-13	Pass
2691	2702.5	1	CHP					

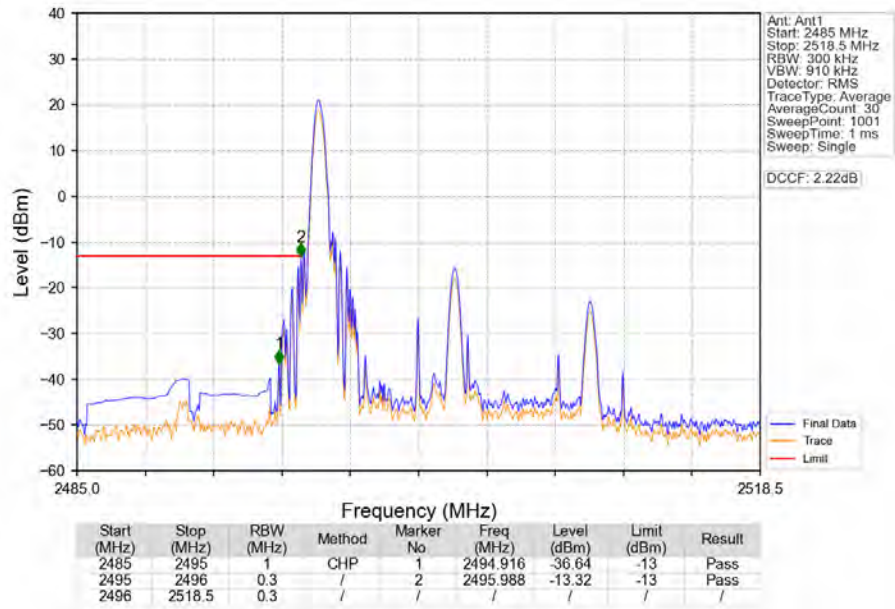
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



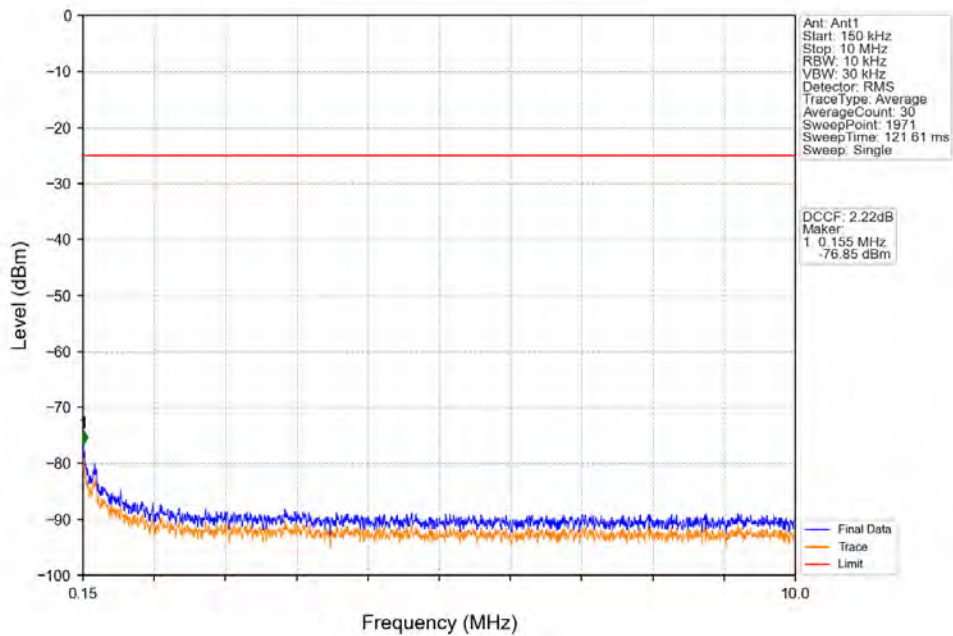
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_1_0_NTNV



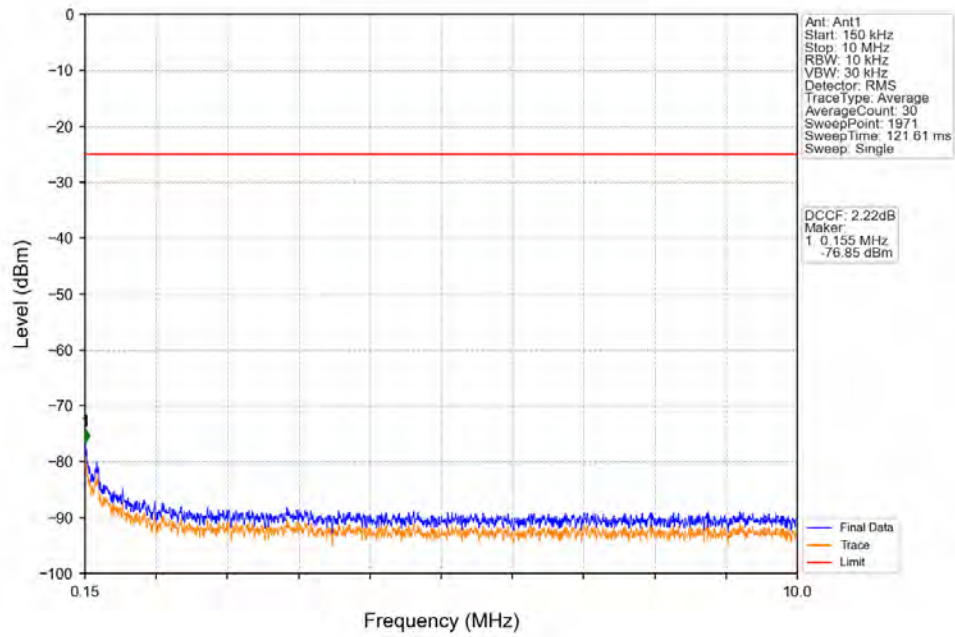
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_1_0_NTNV



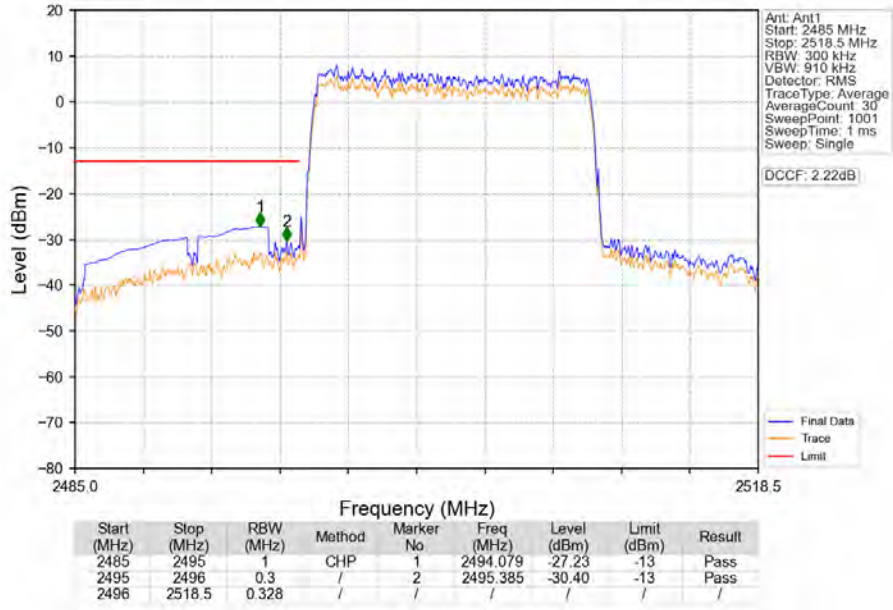
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_1_0_NTNV



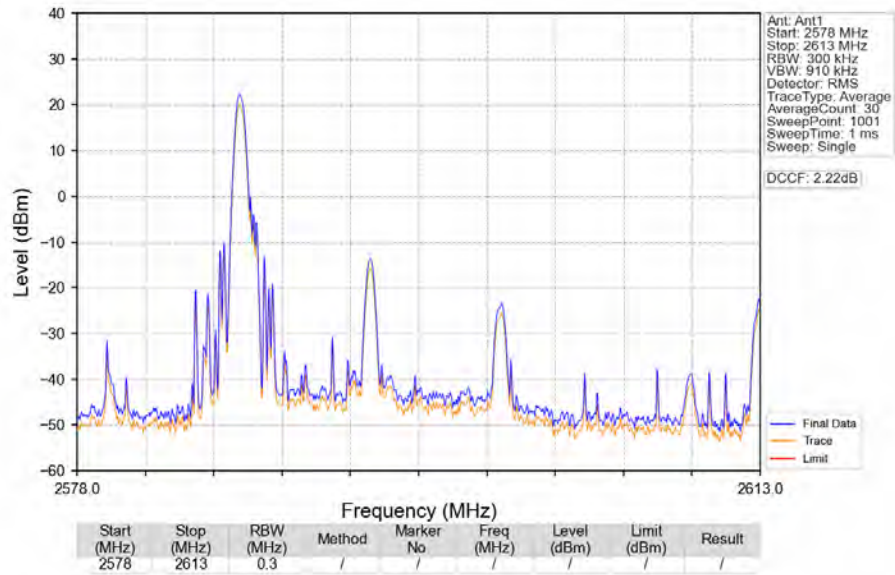
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_1_0_NTNV



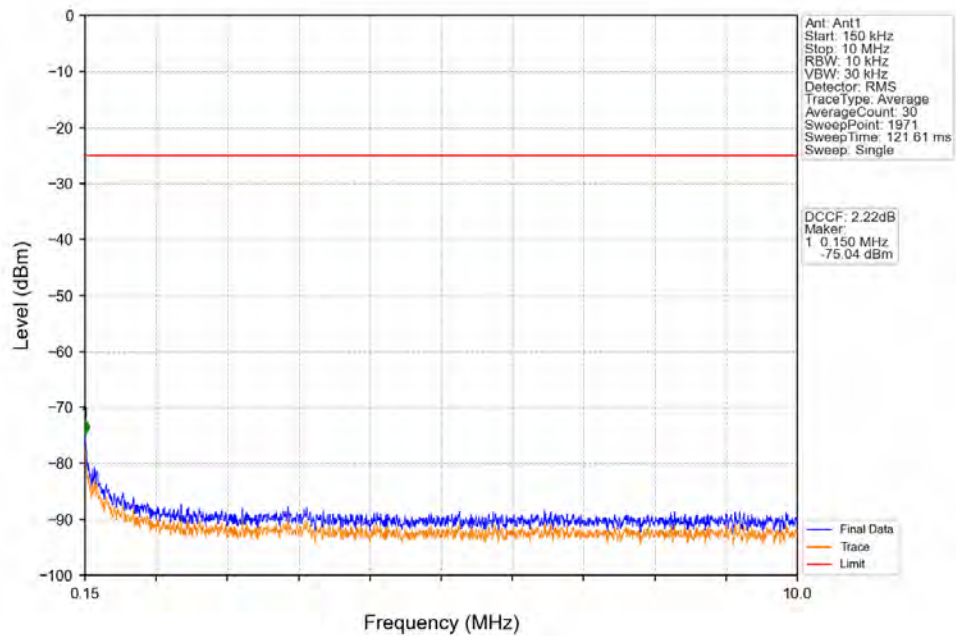
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



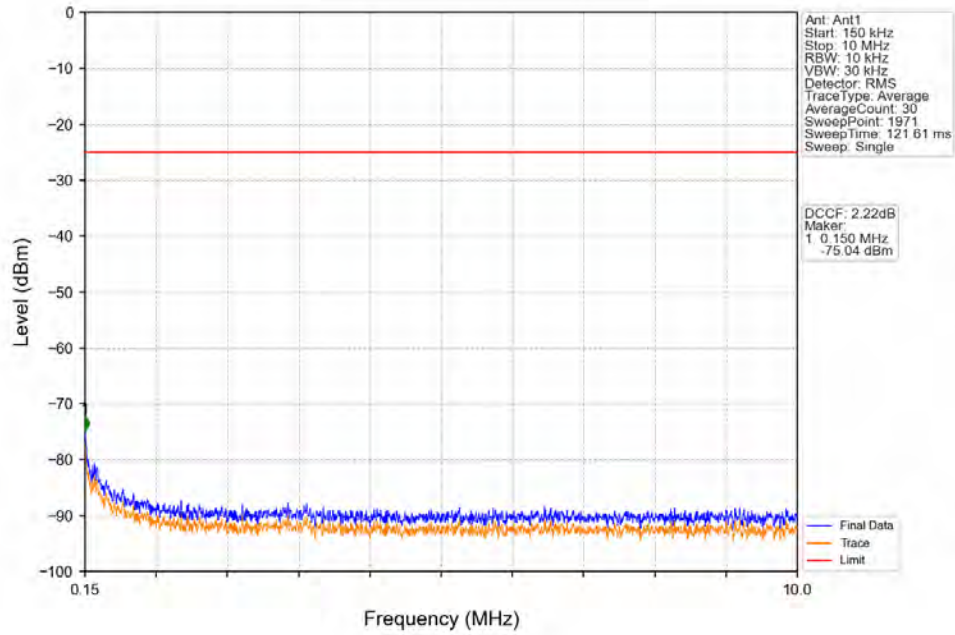
Band41_15MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



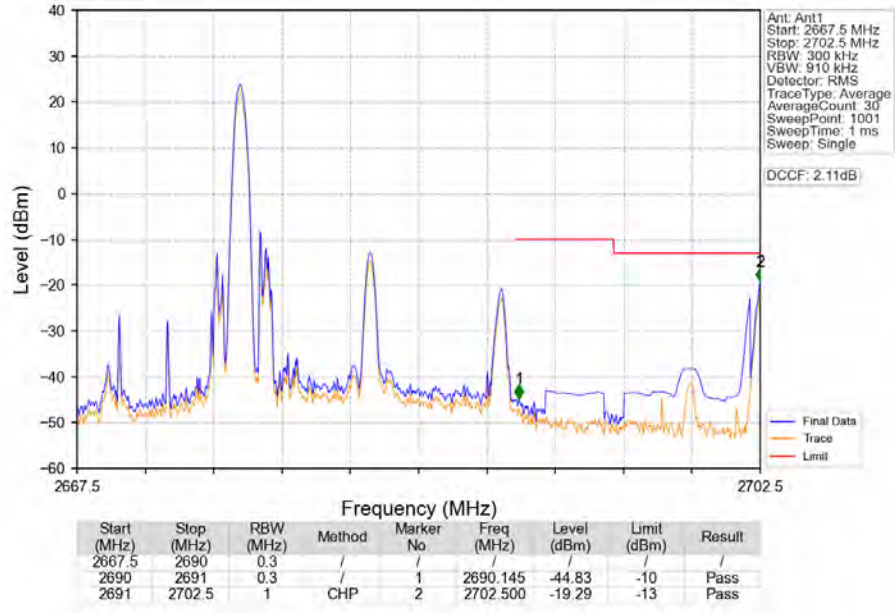
Band41_15MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



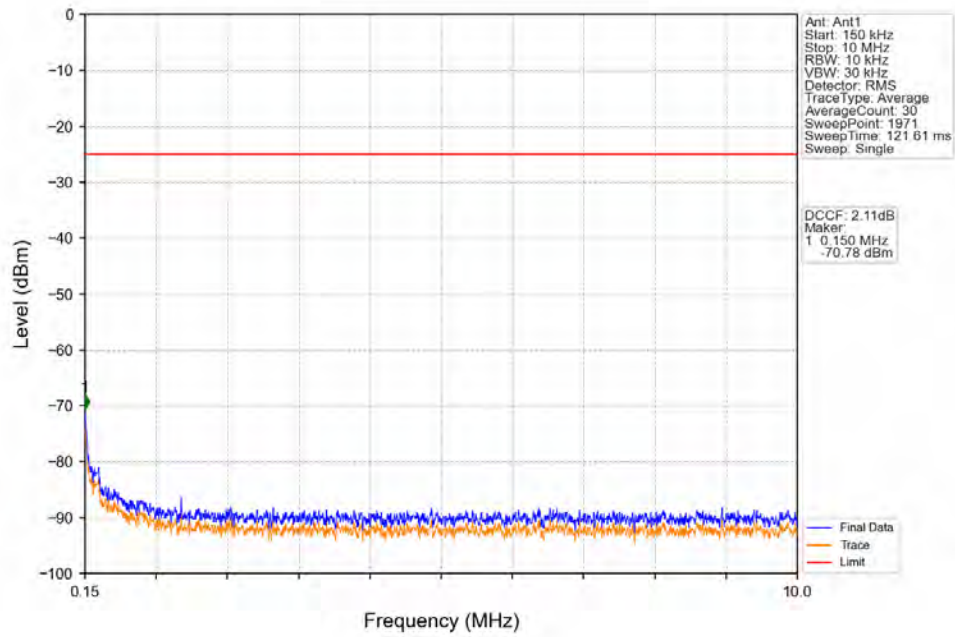
Band41_15MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



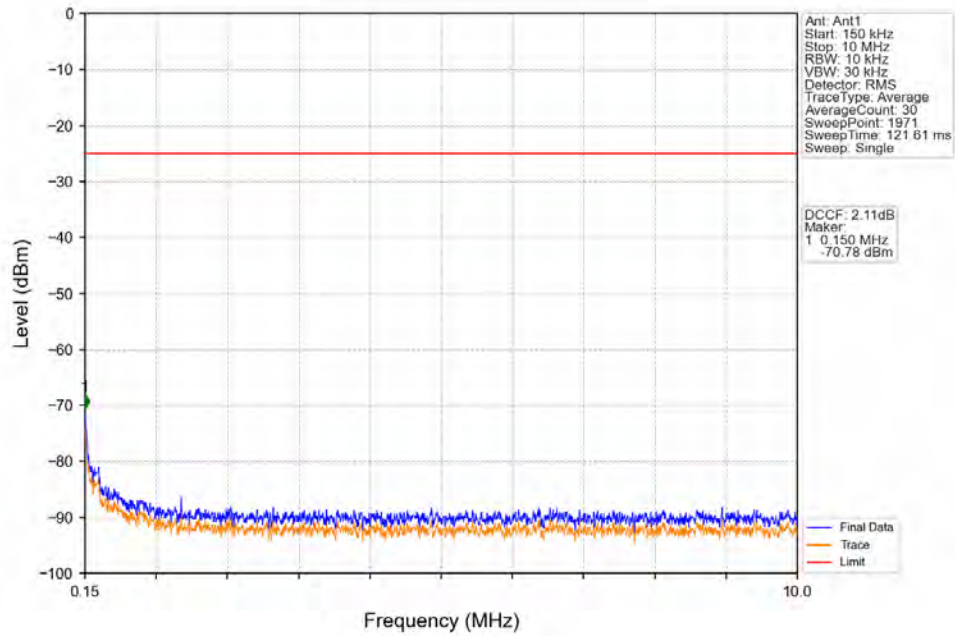
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_1_0_NTNV



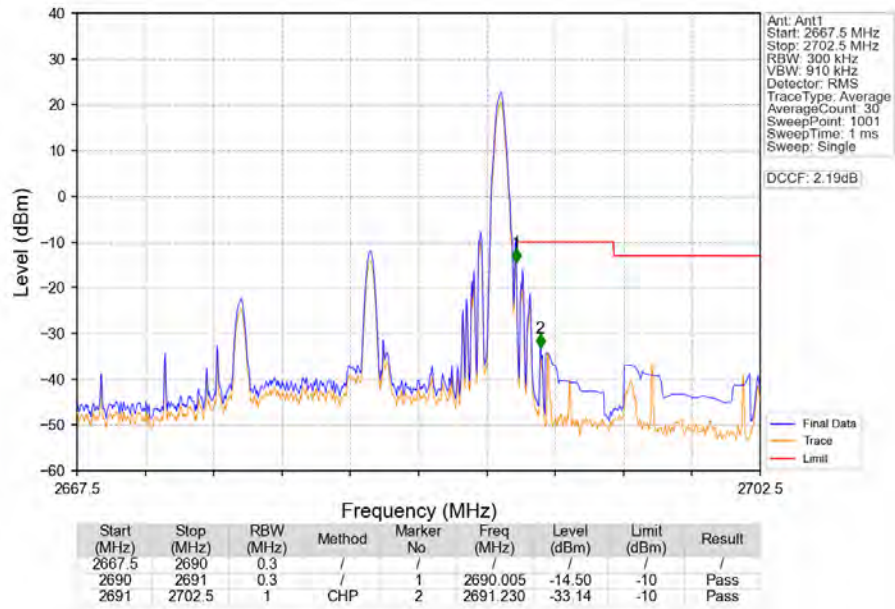
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_1_0_NTNV



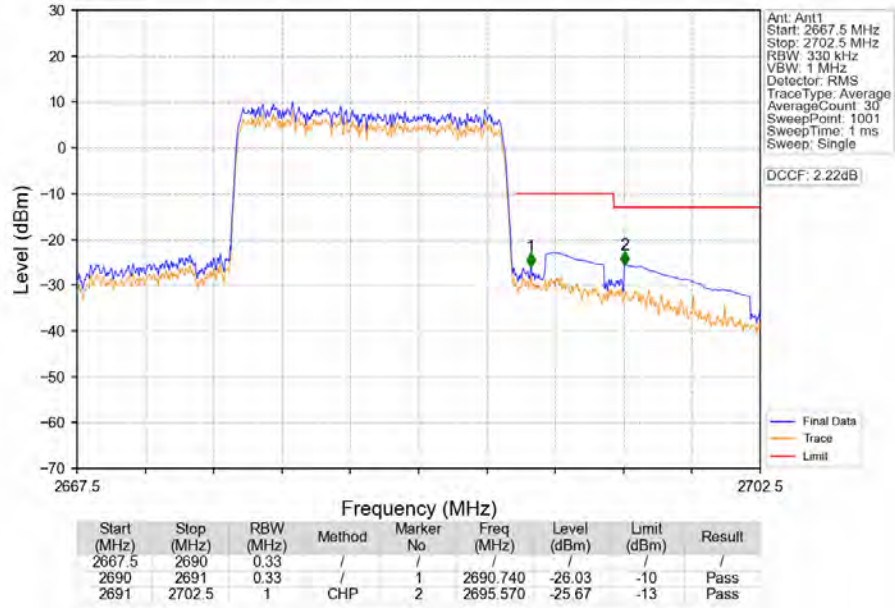
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_16QAM_HCH_2682.5MHz_RB_1_74_NTNV



Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



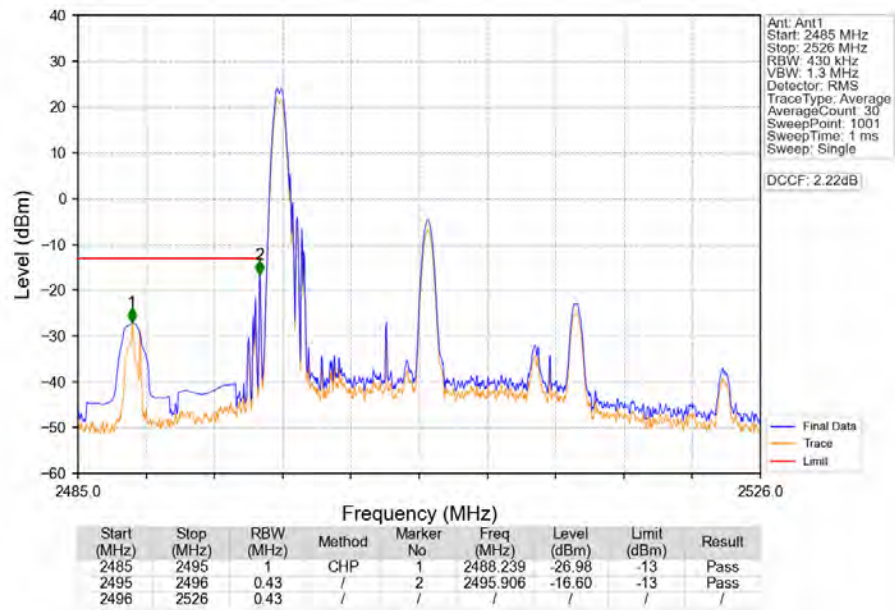
6.4 B41_20MHz

6.4.1 Test Result

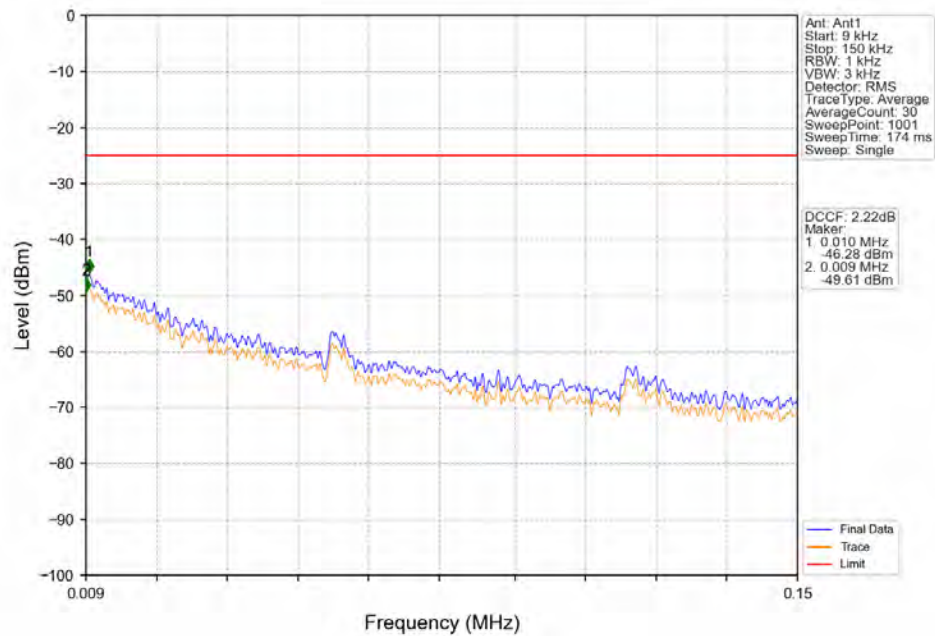
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2680	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	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

6.4.2 Test Graph

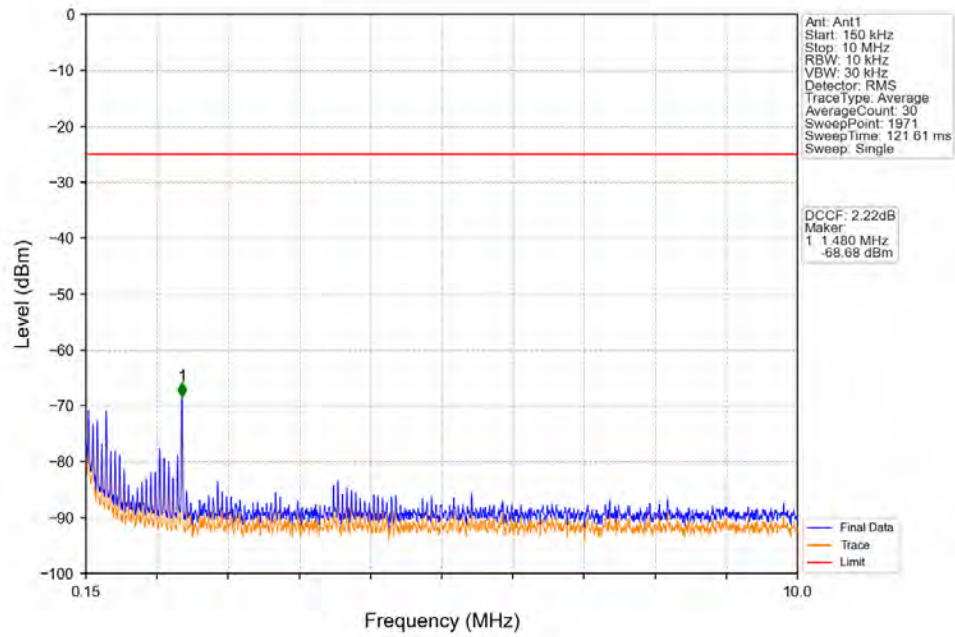
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



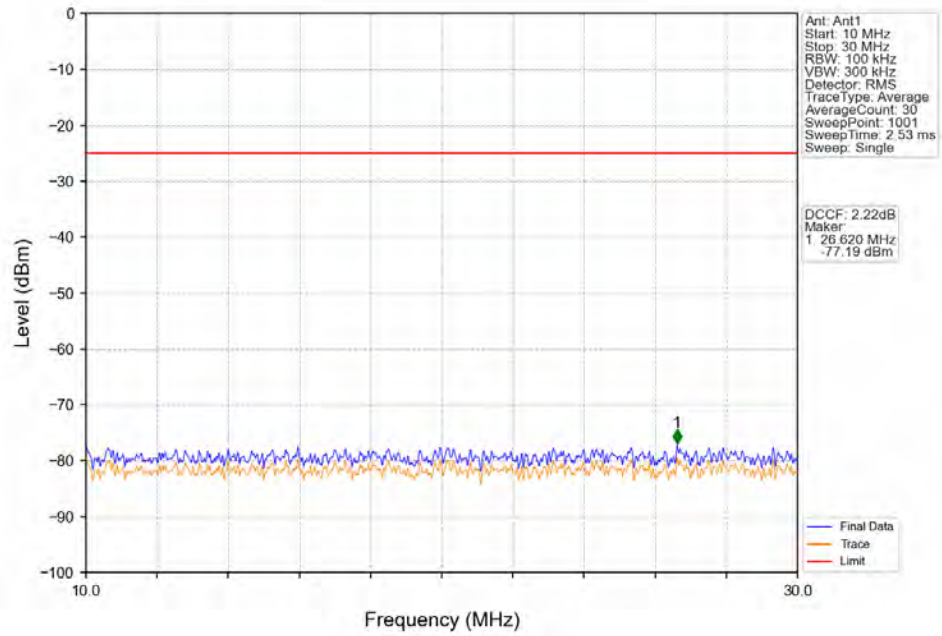
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



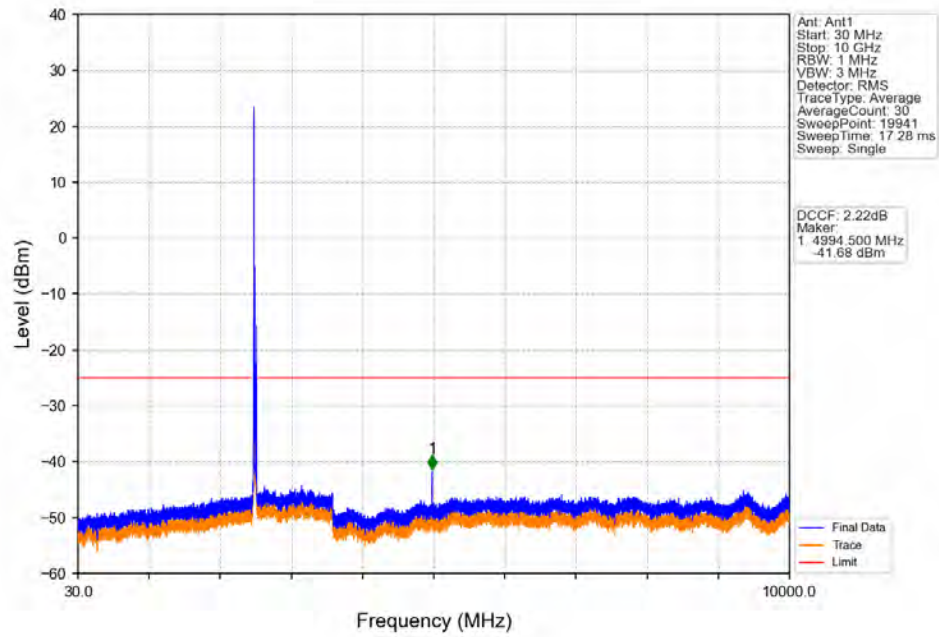
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



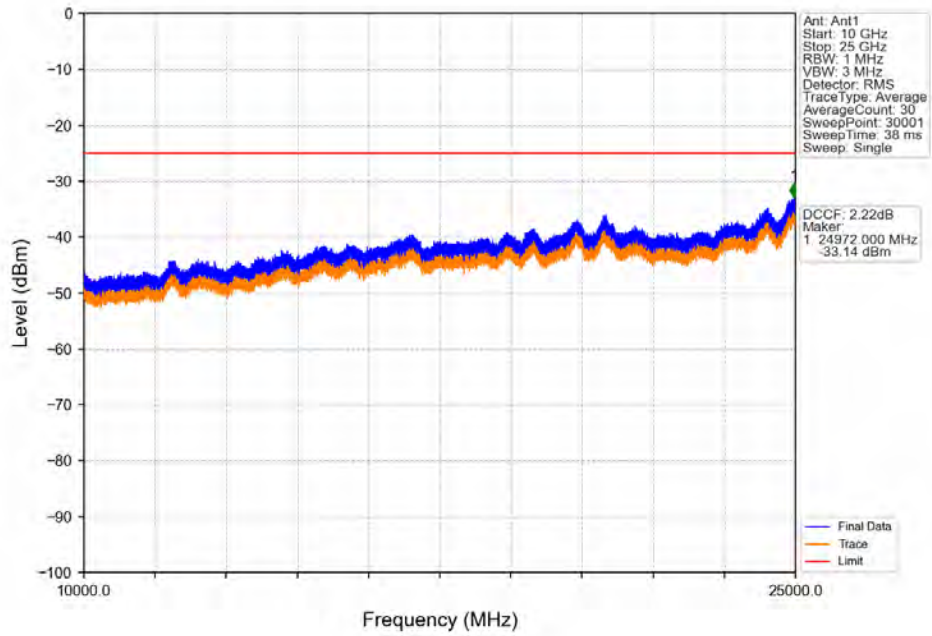
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



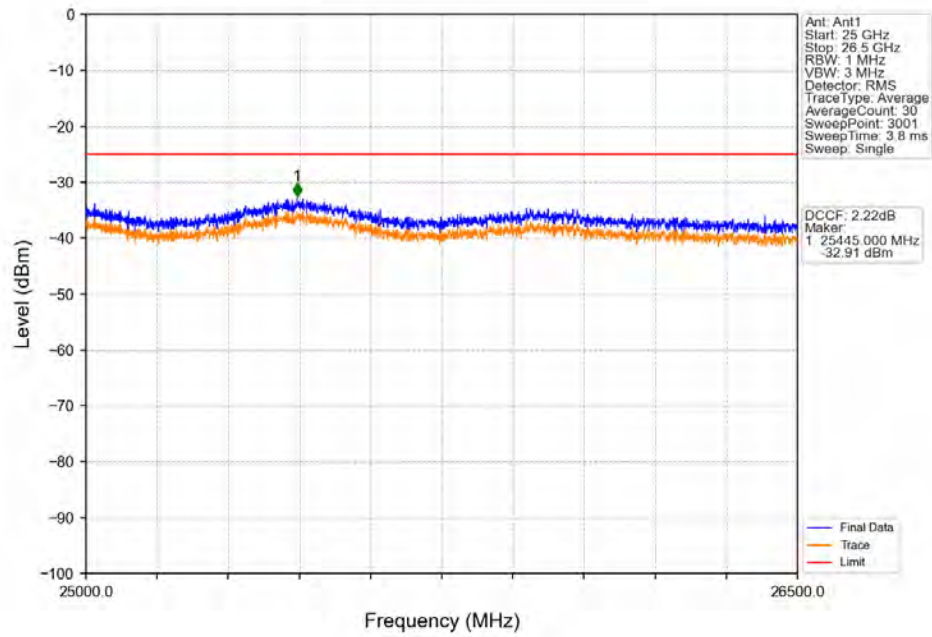
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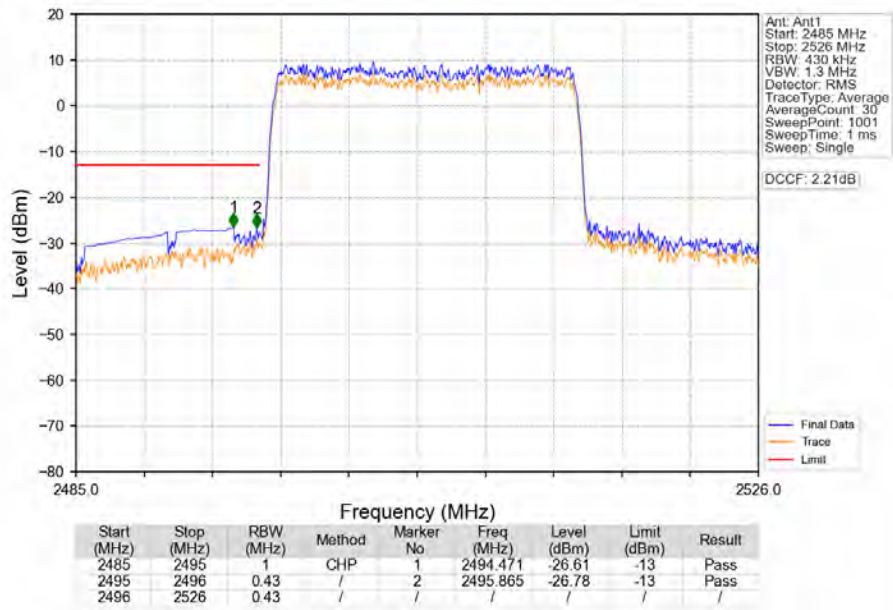
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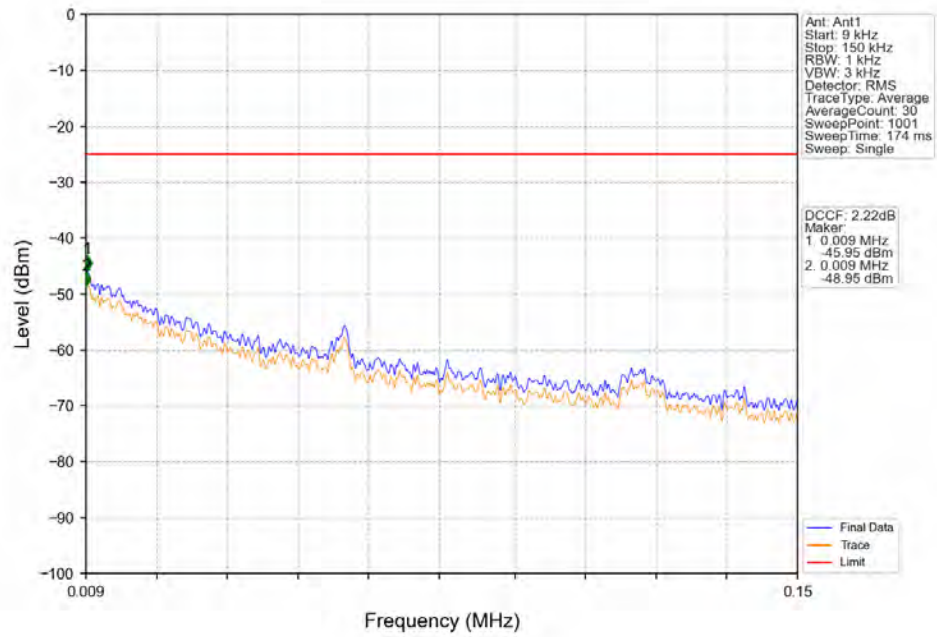
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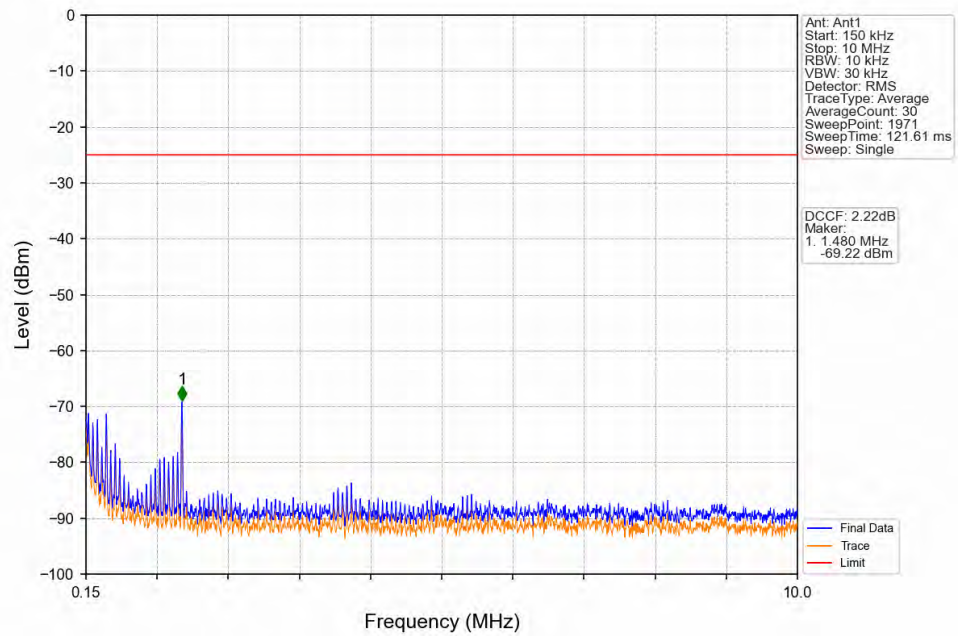
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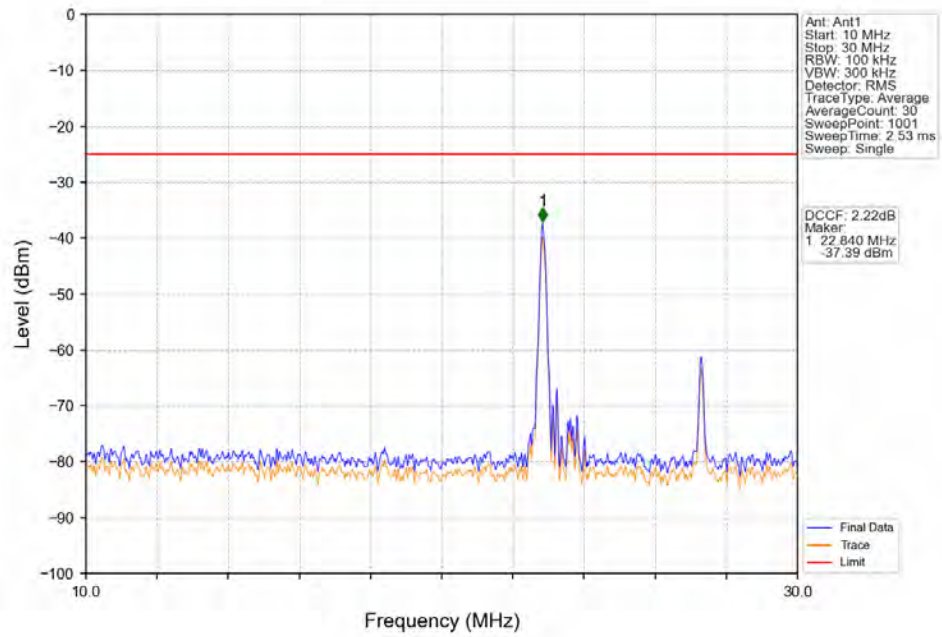
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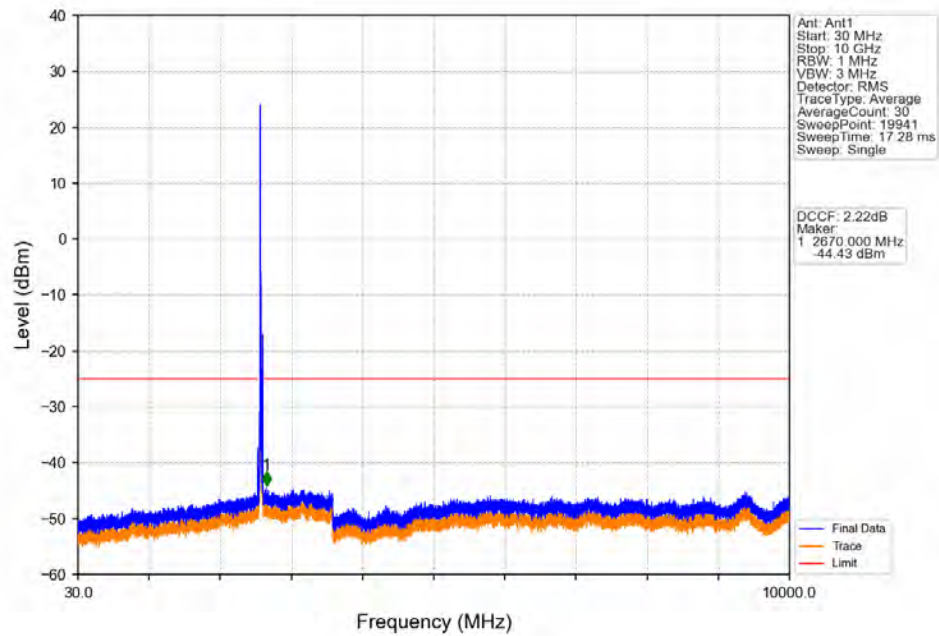
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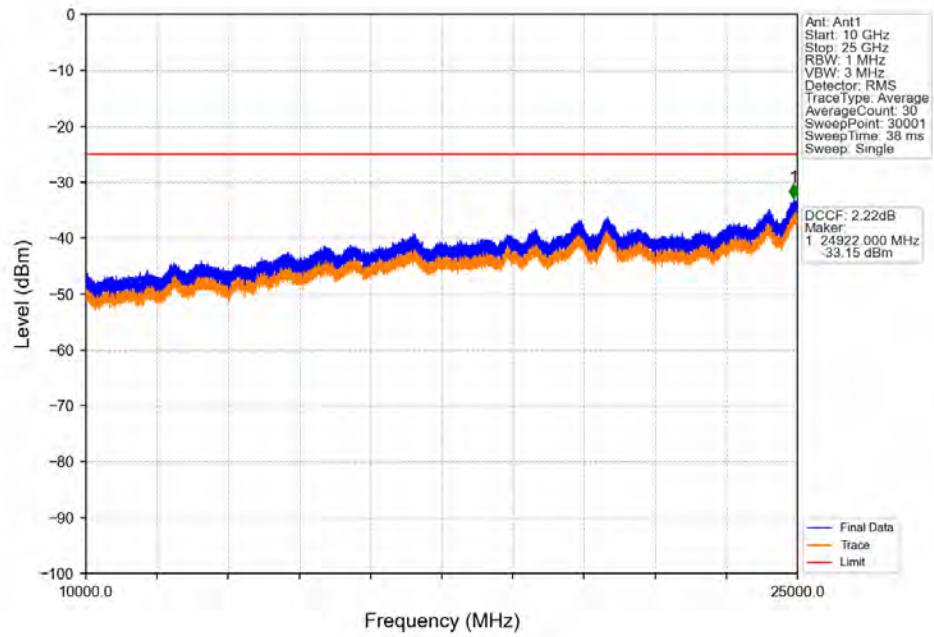
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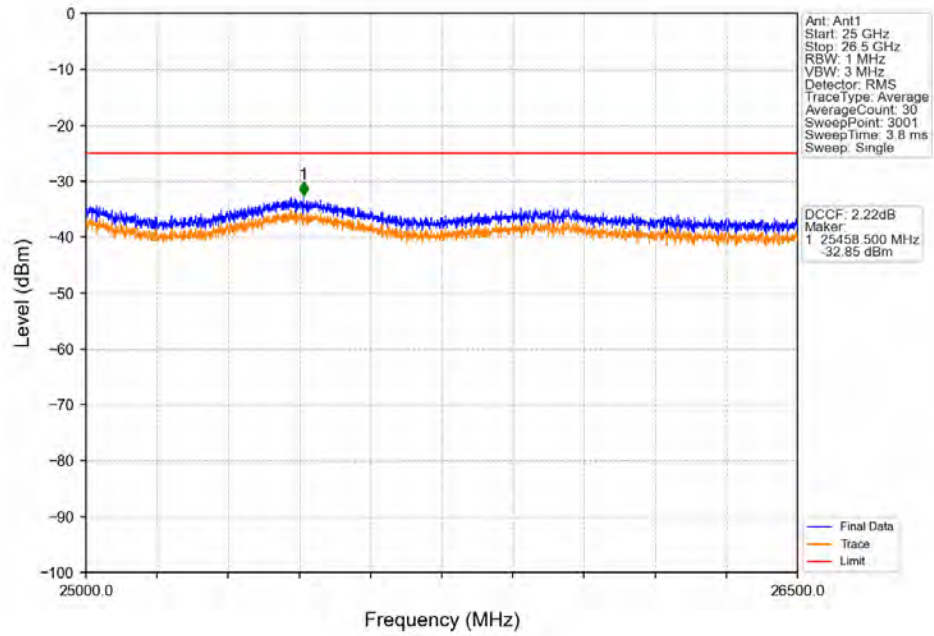
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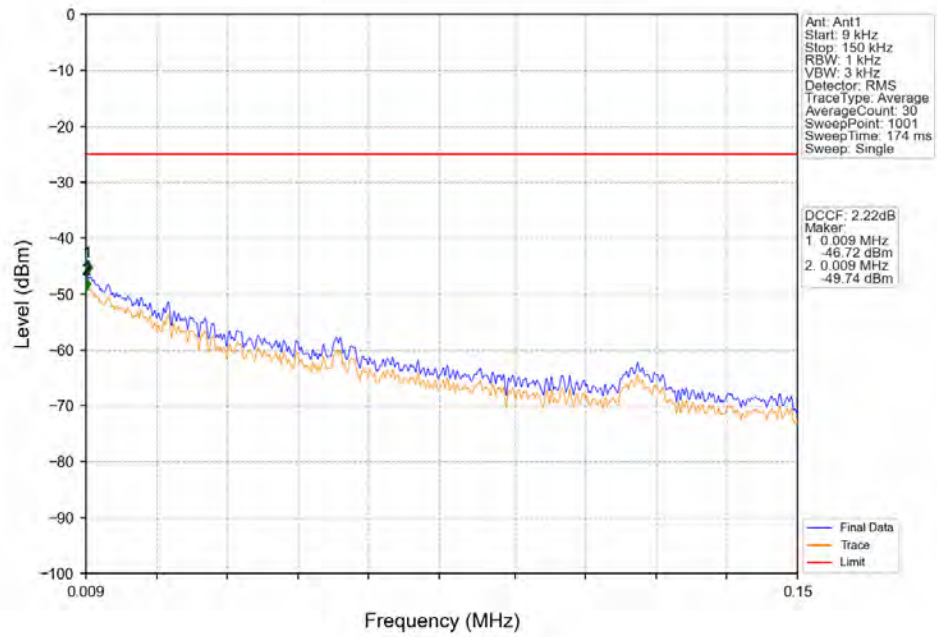
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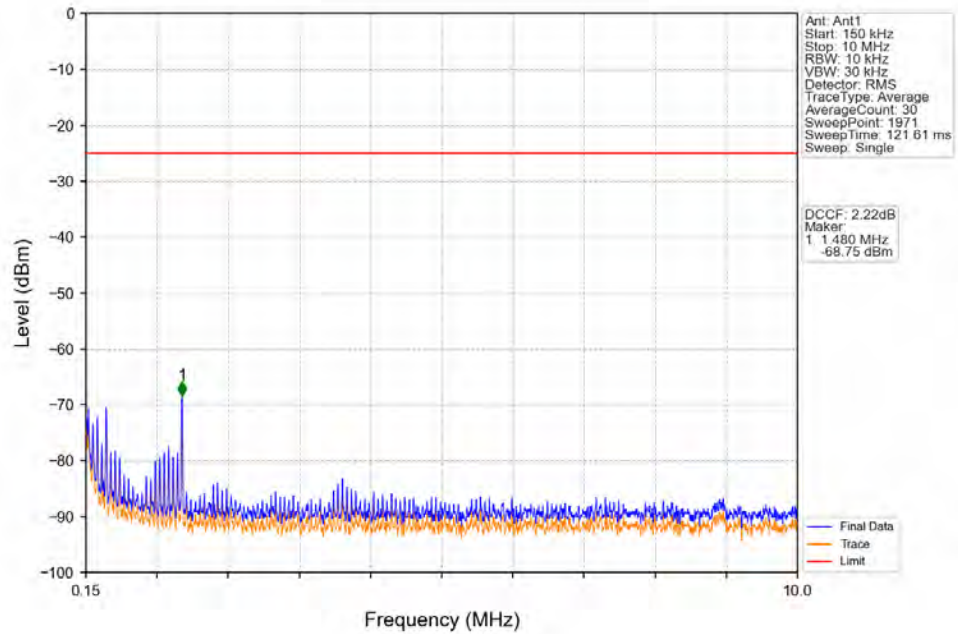
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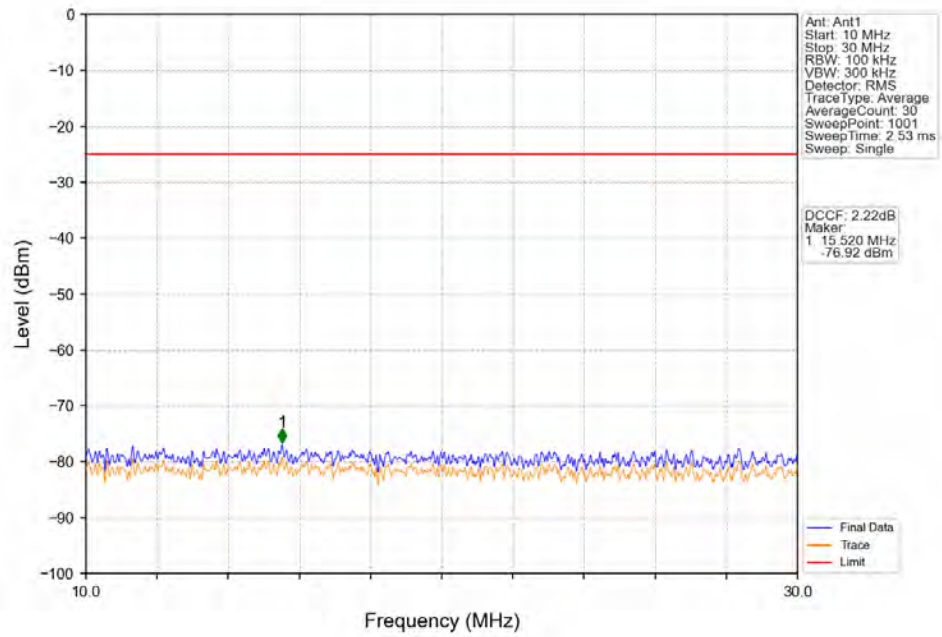
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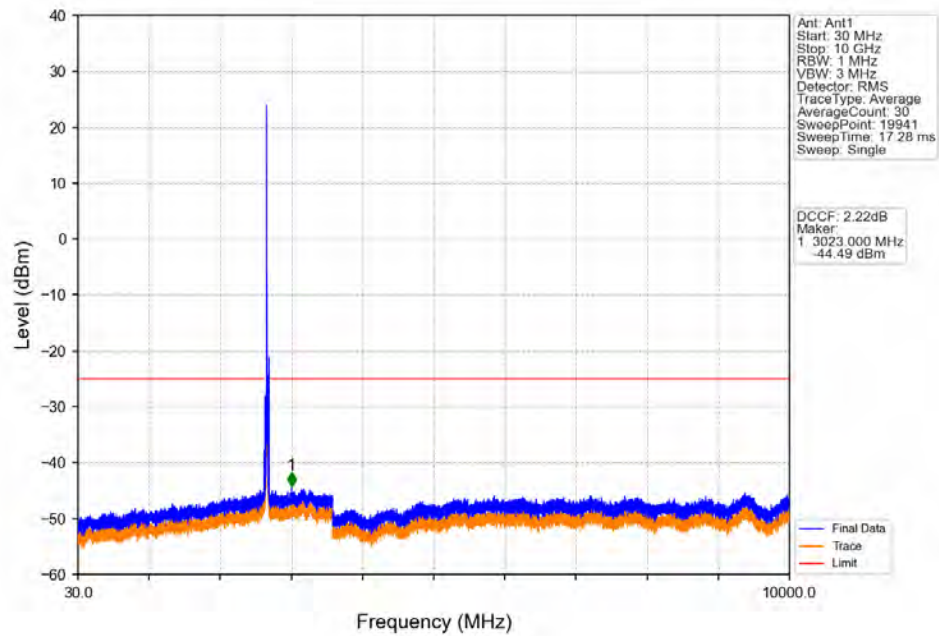
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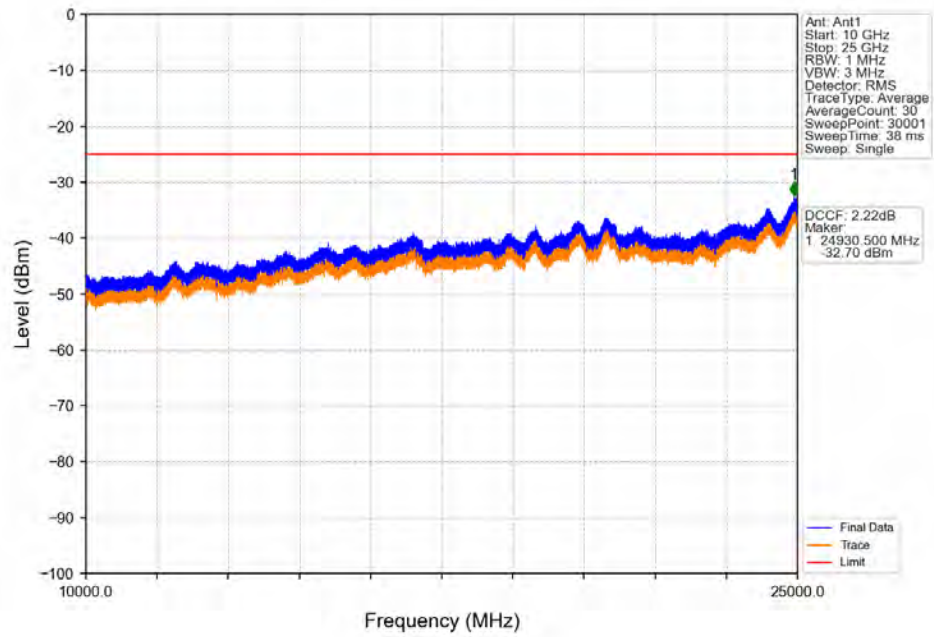
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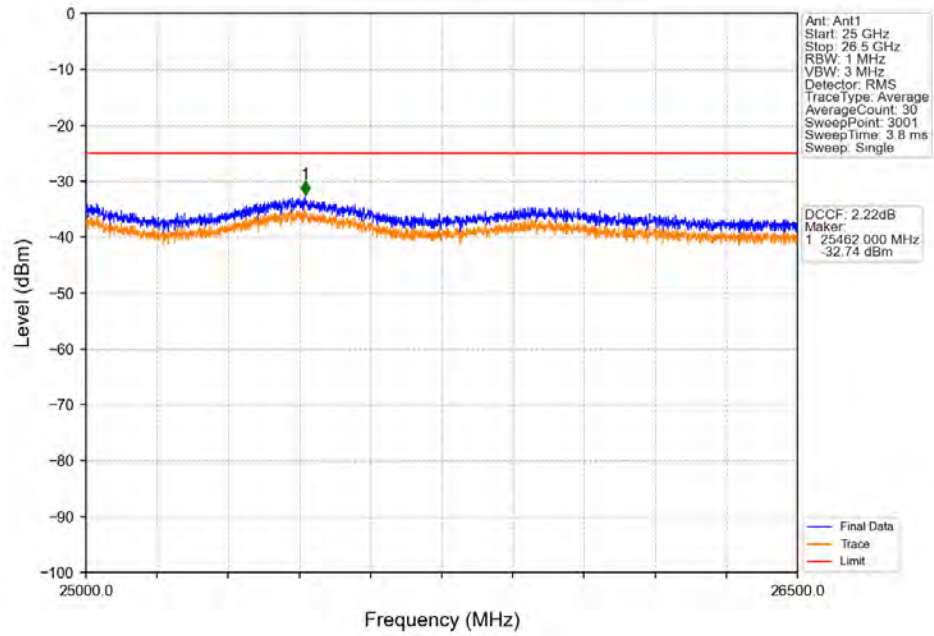
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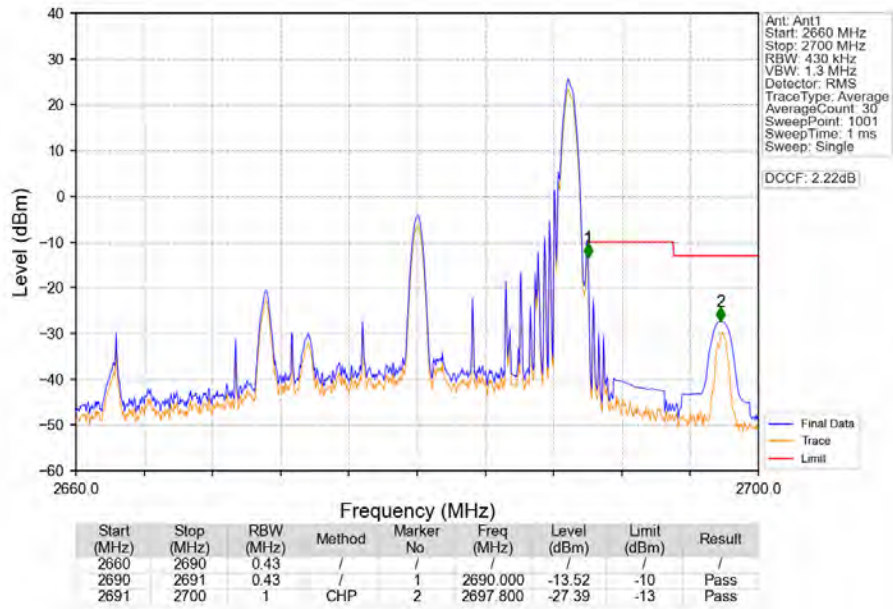
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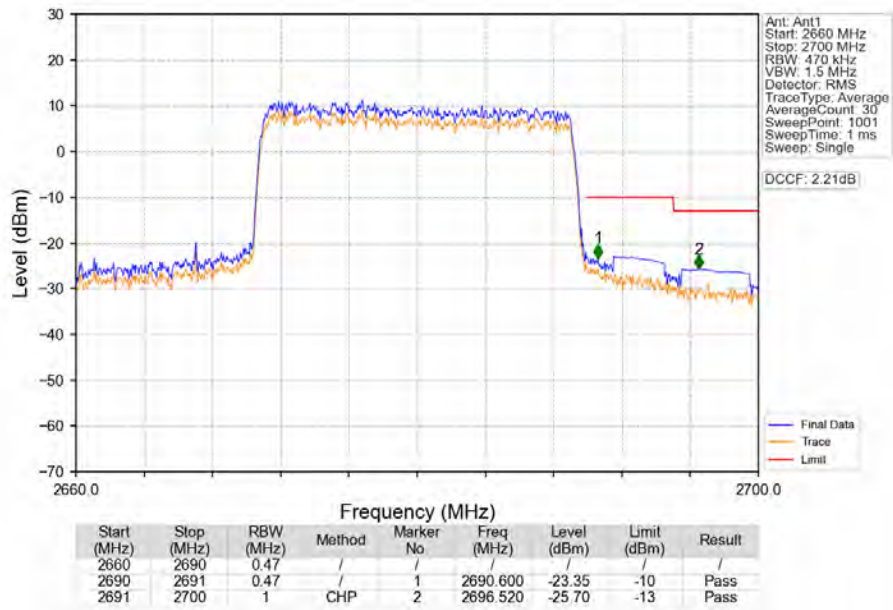
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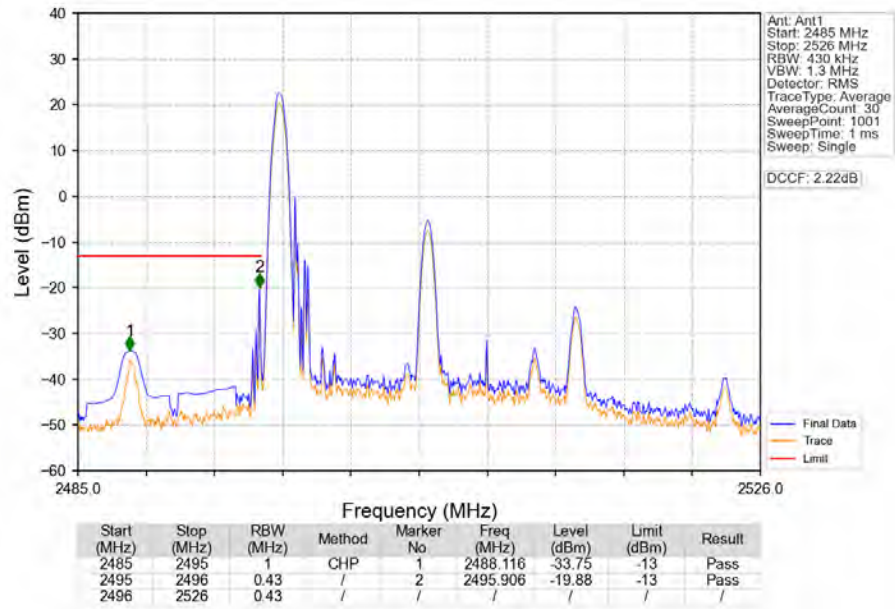
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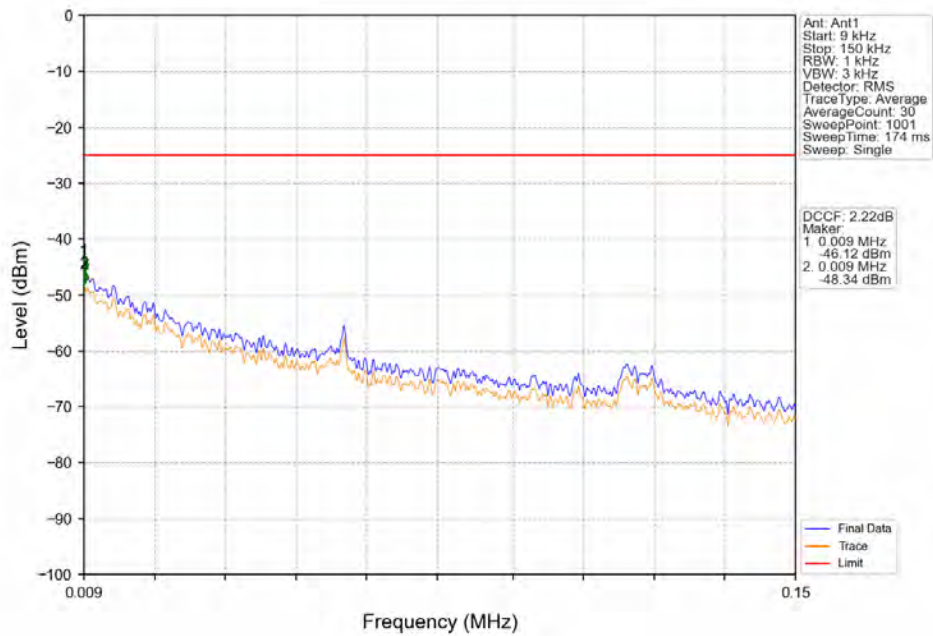
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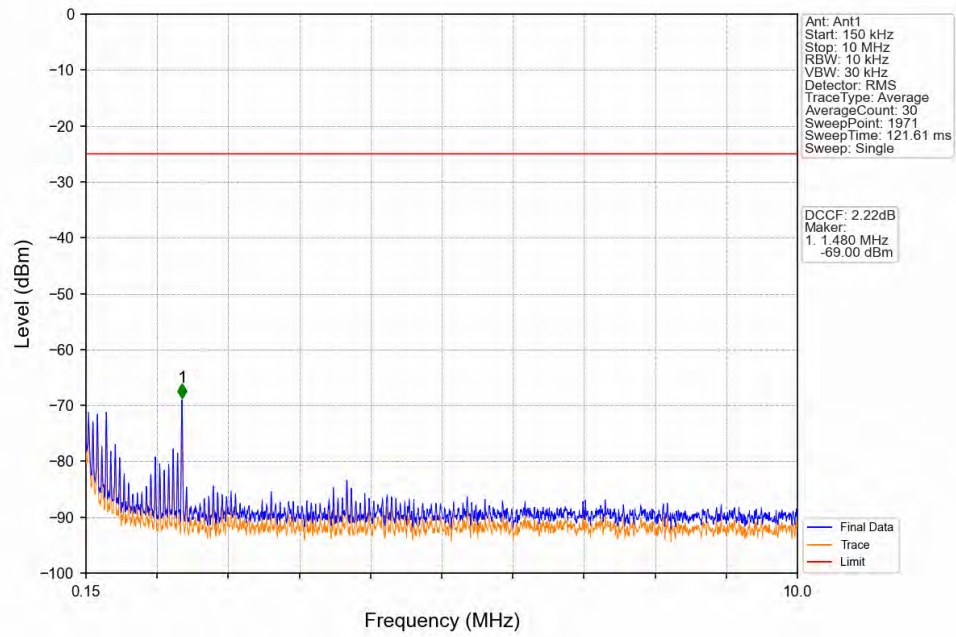
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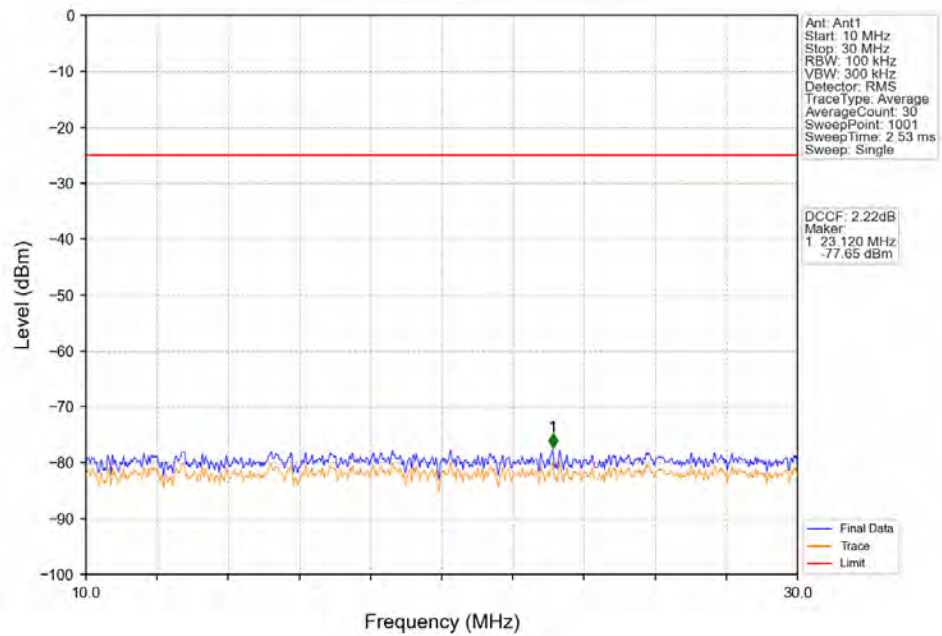
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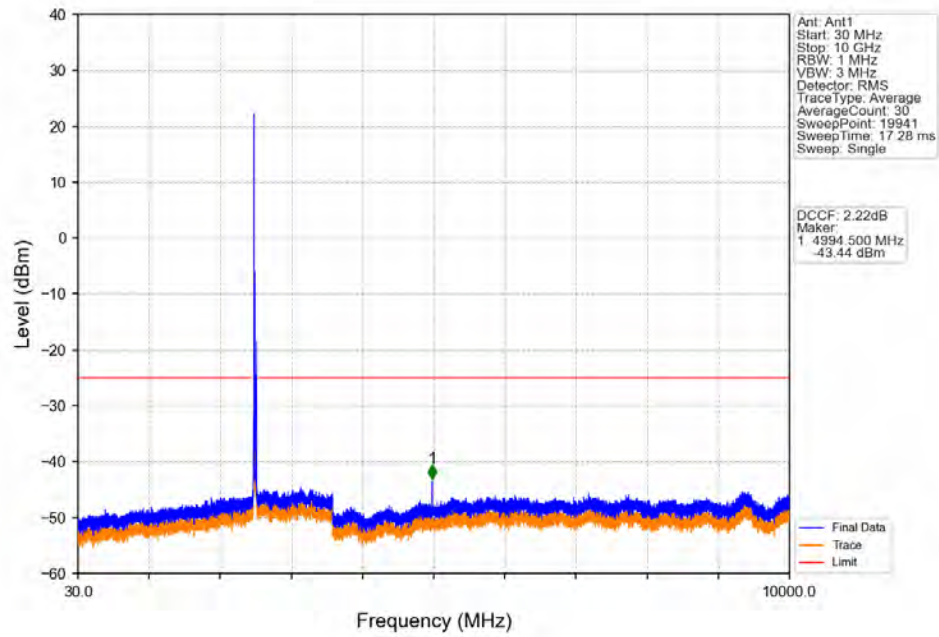
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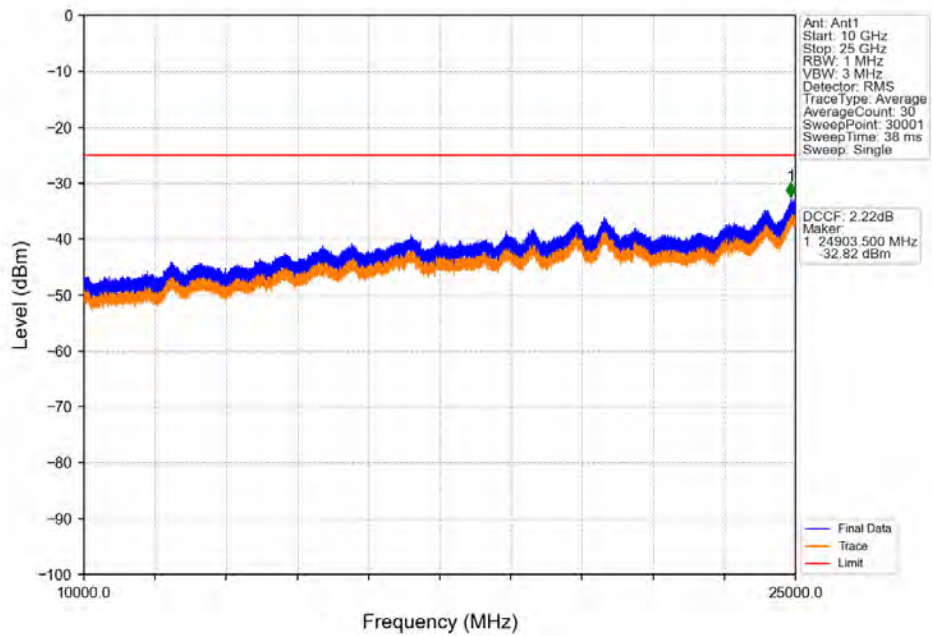
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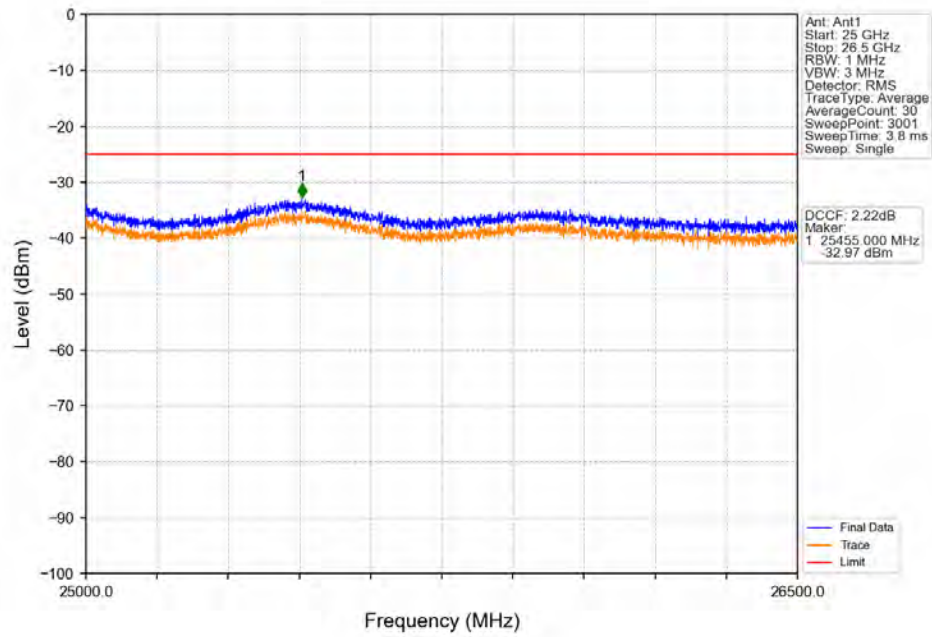
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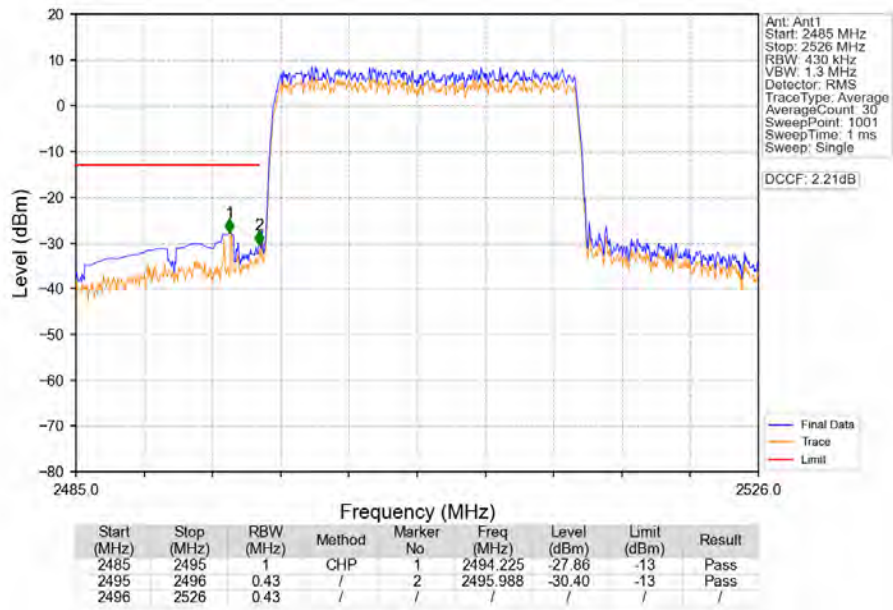
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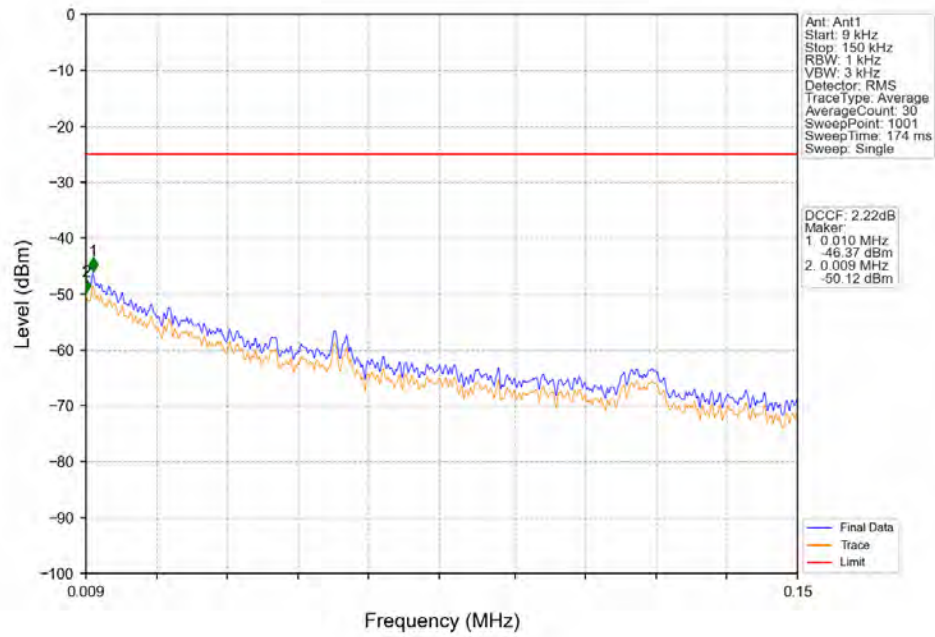
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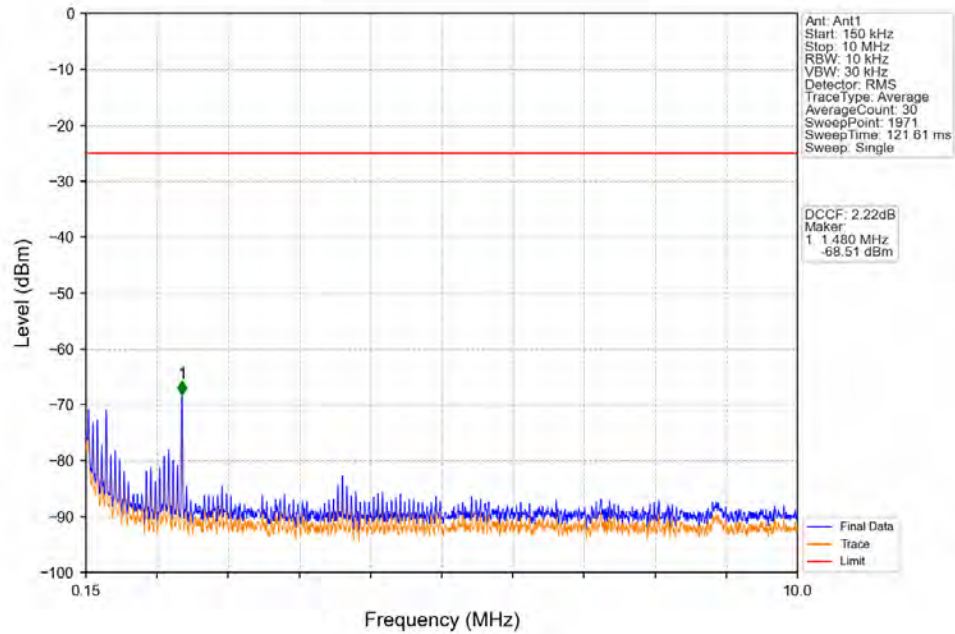
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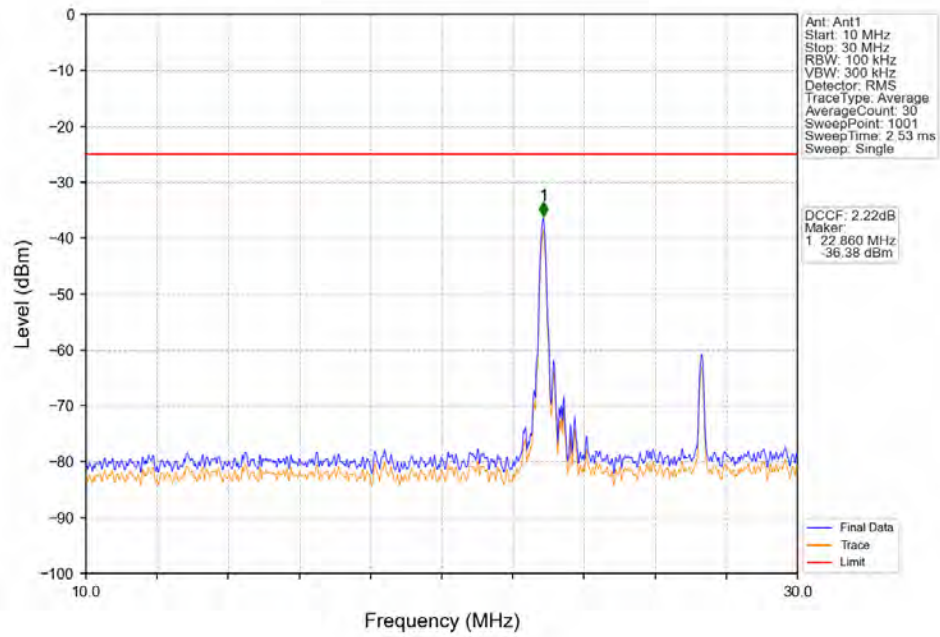
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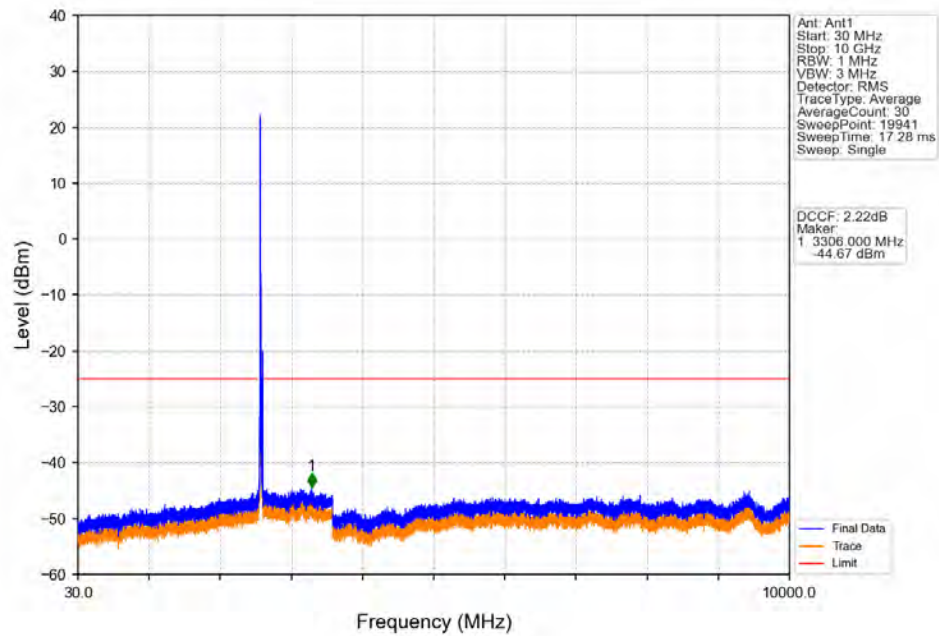
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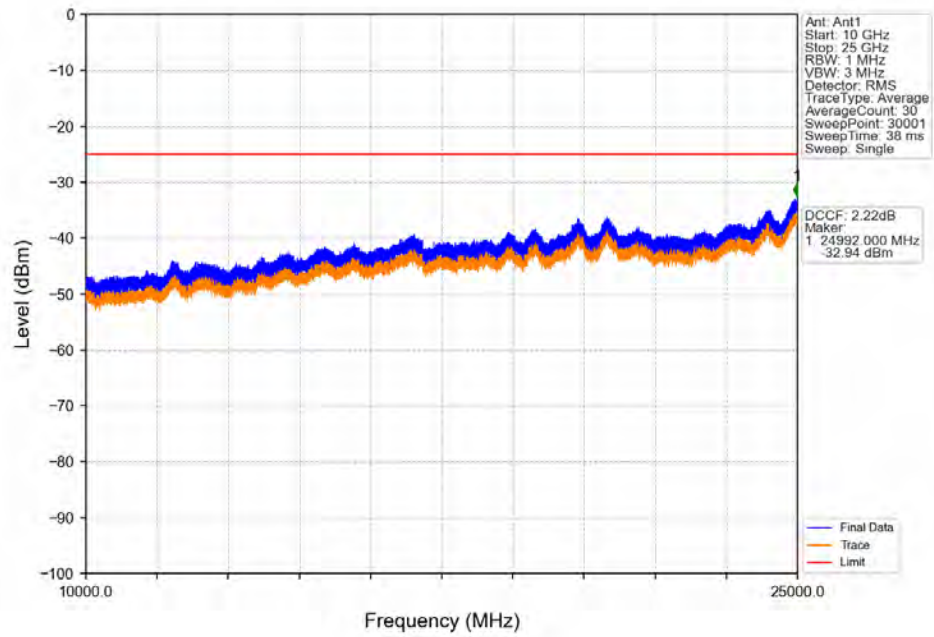
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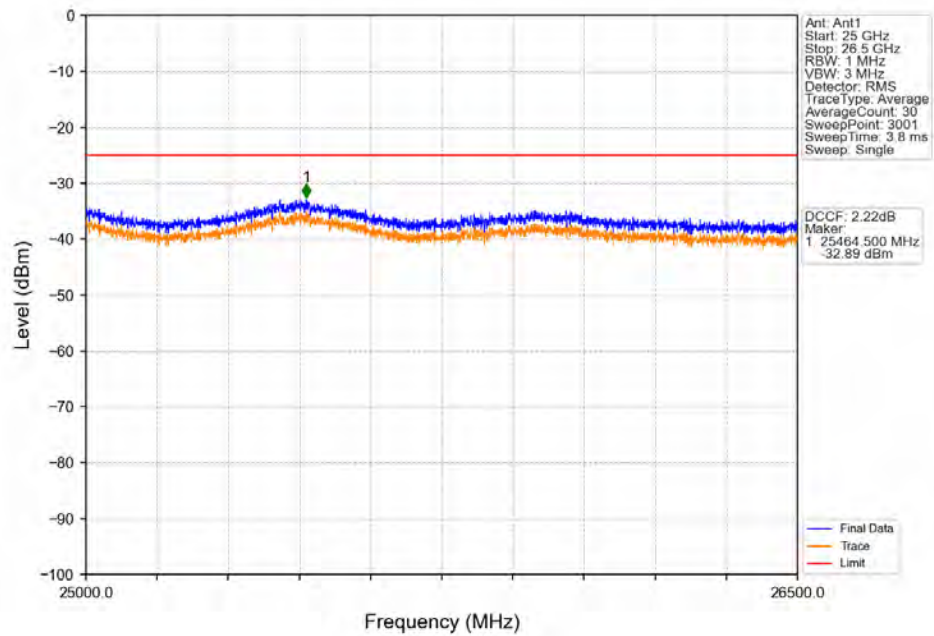
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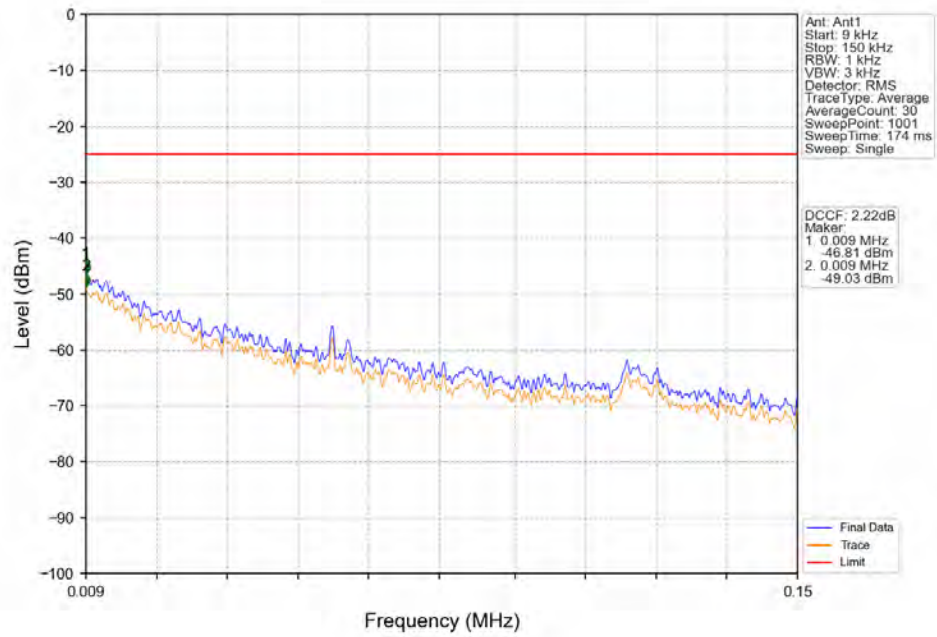
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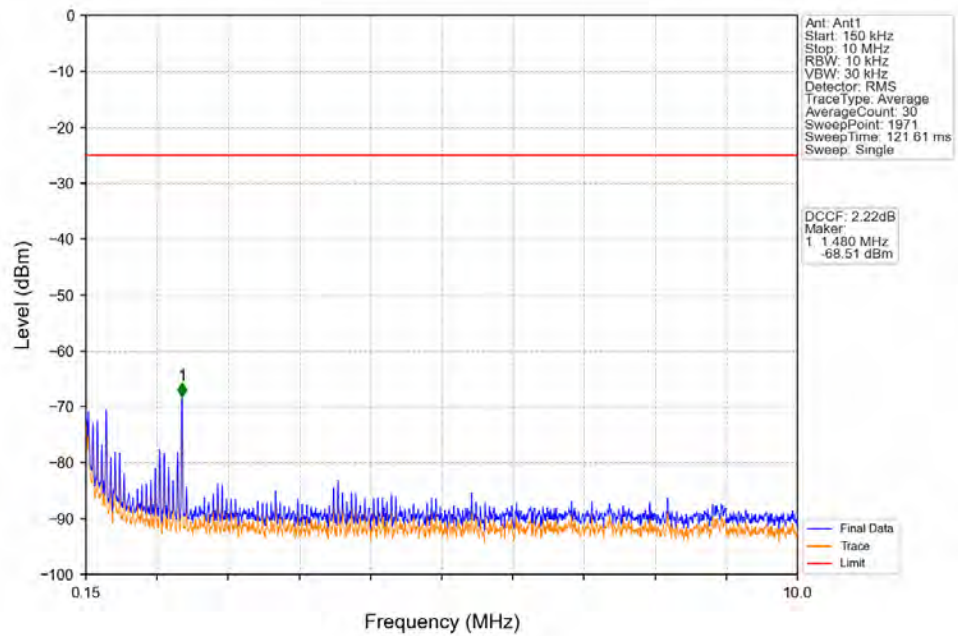
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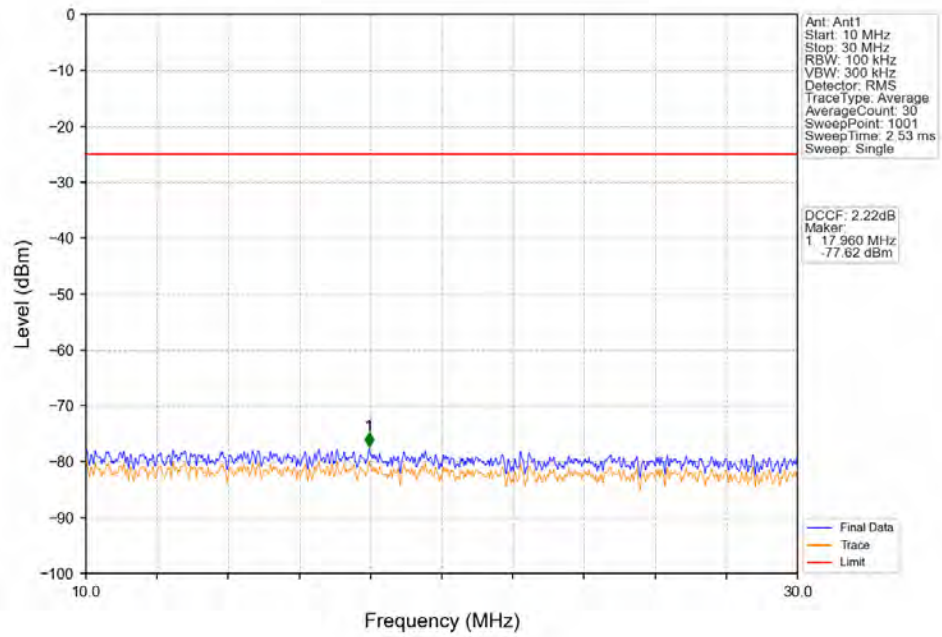
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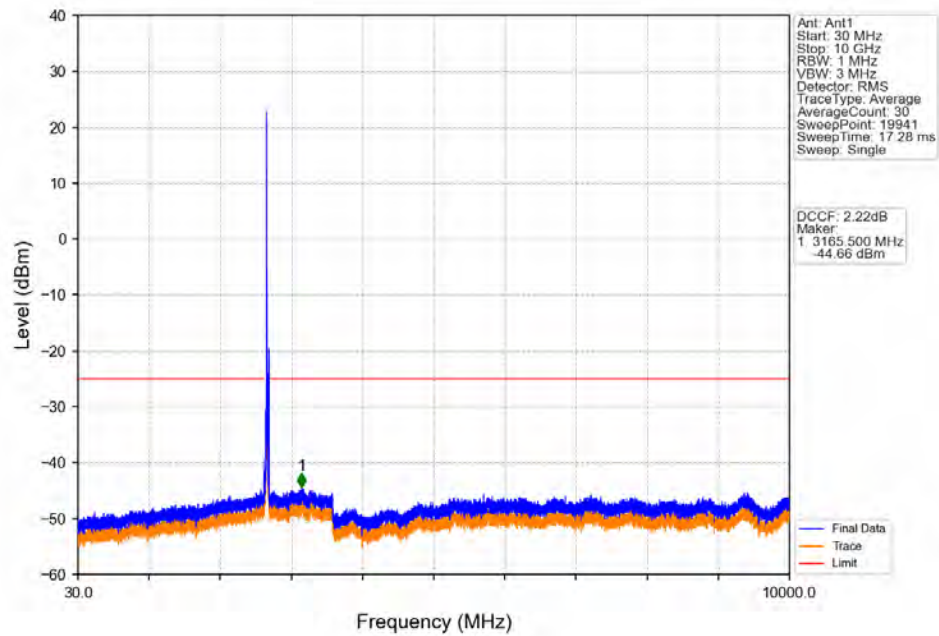
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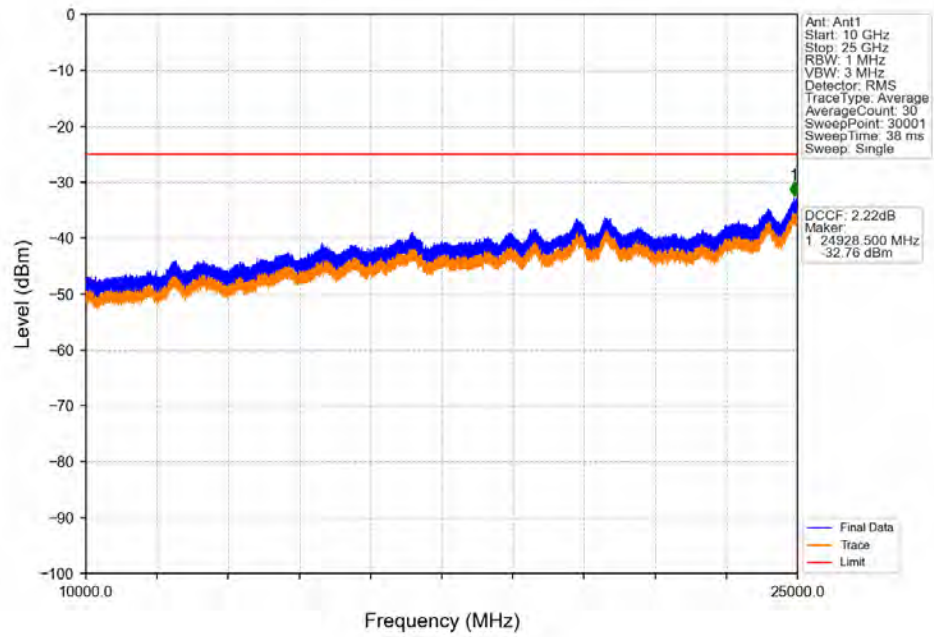
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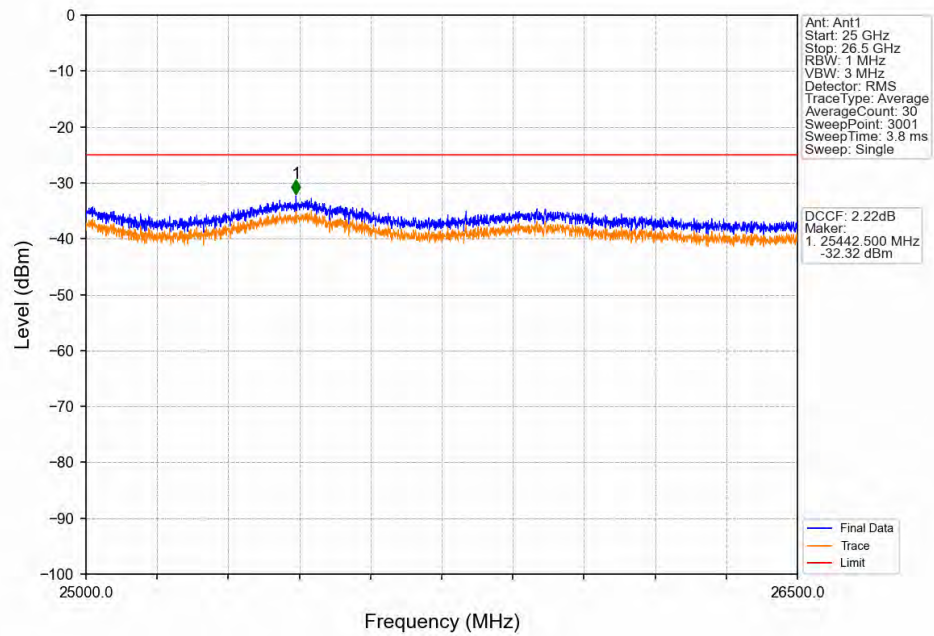
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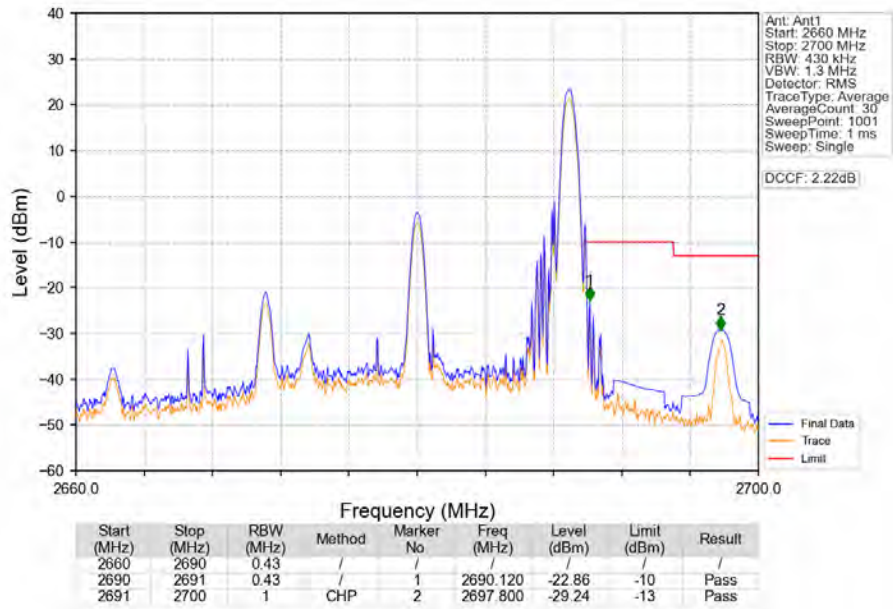
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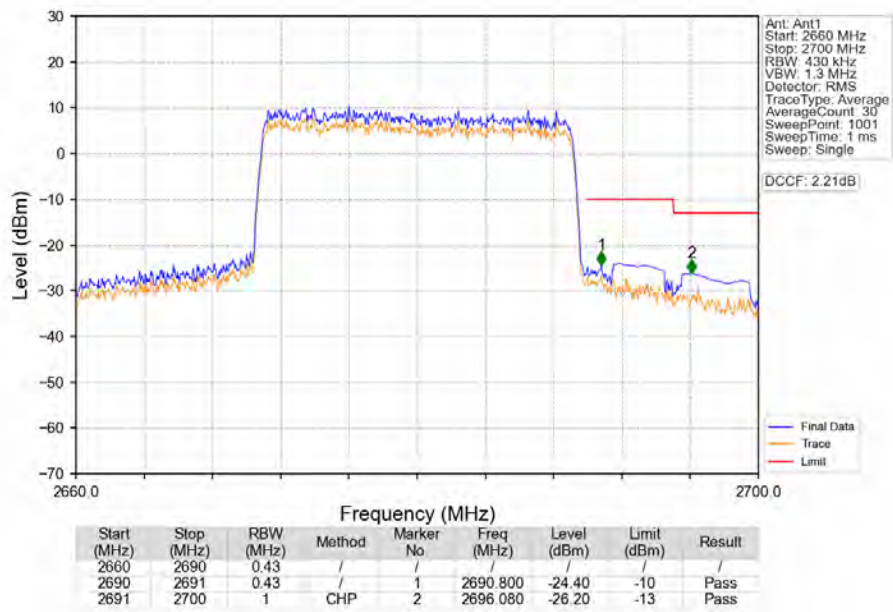
Band41_20MHz_16QAM_HCH_2680MHz_RB_1_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_1_99_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
41	5	2498.5	2687.5	0.1648	0.0252	ppm	4M58G7D	27M	22.17
41	5	2498.5	2687.5	0.1337	0.0281	ppm	4M62W7D	27M	21.26
41	10	2501	2685	0.1675	0.0066	ppm	9M10G7D	27M	22.24
41	10	2501	2685	0.1327	0.0035	ppm	9M10W7D	27M	21.23
41	15	2503.5	2682.5	0.1618	0.0082	ppm	13M7G7D	27M	22.09
41	15	2503.5	2682.5	0.1271	0.0065	ppm	13M7W7D	27M	21.04
41	20	2506	2680	0.1683	0.0046	ppm	18M2G7D	27M	22.26
41	20	2506	2680	0.1297	0.0042	ppm	18M2W7D	27M	21.13

7.2 Form731_EIRP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
41	5	2498.5	2687.5	0.1849	0.0252	ppm	4M58G7D	27M	22.67
41	5	2498.5	2687.5	0.1499	0.0281	ppm	4M62W7D	27M	21.76
41	10	2501	2685	0.1879	0.0066	ppm	9M10G7D	27M	22.74
41	10	2501	2685	0.1489	0.0035	ppm	9M10W7D	27M	21.73
41	15	2503.5	2682.5	0.1815	0.0082	ppm	13M7G7D	27M	22.59
41	15	2503.5	2682.5	0.1425	0.0065	ppm	13M7W7D	27M	21.54
41	20	2506	2680	0.1887	0.0046	ppm	18M2G7D	27M	22.76
41	20	2506	2680	0.1455	0.0042	ppm	18M2W7D	27M	21.63