

# 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	20.33	0.22	20.55	<=33.01	Pass		
			13	20.34	0.22	20.56	<=33.01	Pass		
			24	20.28	0.22	20.50	<=33.01	Pass		
		12	0	19.30	0.22	19.52	<=33.01	Pass		
			6	19.38	0.22	19.60	<=33.01	Pass		
			13	19.37	0.22	19.59	<=33.01	Pass		
		25	0	19.38	0.22	19.60	<=33.01	Pass		
		2593	1	0	20.88	0.22	21.10	<=33.01	Pass	
				13	20.93	0.22	21.15	<=33.01	Pass	
	24			20.74	0.22	20.96	<=33.01	Pass		
	12		0	19.82	0.22	20.04	<=33.01	Pass		
			6	19.89	0.22	20.11	<=33.01	Pass		
			13	19.76	0.22	19.98	<=33.01	Pass		
	25		0	19.80	0.22	20.02	<=33.01	Pass		
	2687.5		1	0	22.24	0.22	22.46	<=33.01	Pass	
				13	22.34	0.22	22.56	<=33.01	Pass	
		24		22.32	0.22	22.54	<=33.01	Pass		
		12	0	21.28	0.22	21.50	<=33.01	Pass		
			6	21.41	0.22	21.63	<=33.01	Pass		
			13	21.33	0.22	21.55	<=33.01	Pass		
		25	0	21.30	0.22	21.52	<=33.01	Pass		
		16QAM	2498.5	1	0	19.24	0.22	19.46	<=33.01	Pass
					13	19.65	0.22	19.87	<=33.01	Pass
	24				19.36	0.22	19.58	<=33.01	Pass	
12	0			18.29	0.22	18.51	<=33.01	Pass		
	6			18.44	0.22	18.66	<=33.01	Pass		
	13			18.31	0.22	18.53	<=33.01	Pass		
25	0			18.26	0.22	18.48	<=33.01	Pass		
2593	1			0	19.64	0.22	19.86	<=33.01	Pass	
				13	19.94	0.22	20.16	<=33.01	Pass	
			24	19.84	0.22	20.06	<=33.01	Pass		
	12		0	18.90	0.22	19.12	<=33.01	Pass		
			6	18.95	0.22	19.17	<=33.01	Pass		
			13	18.73	0.22	18.95	<=33.01	Pass		
	25		0	18.81	0.22	19.03	<=33.01	Pass		
	2687.5		1	0	21.53	0.22	21.75	<=33.01	Pass	
				13	21.39	0.22	21.61	<=33.01	Pass	
24				21.08	0.22	21.30	<=33.01	Pass		
12			0	20.07	0.22	20.29	<=33.01	Pass		
			6	20.03	0.22	20.25	<=33.01	Pass		
			13	19.85	0.22	20.07	<=33.01	Pass		
25			0	19.78	0.22	20.00	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B41\_10MHz\_EIRP

### 1.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2501	1	0	20.37	0.22	20.59	<=33.01	Pass	
			25	20.65	0.22	20.87	<=33.01	Pass	
			49	20.50	0.22	20.72	<=33.01	Pass	
		25	0	19.41	0.22	19.63	<=33.01	Pass	
			13	19.48	0.22	19.70	<=33.01	Pass	
			25	19.53	0.22	19.75	<=33.01	Pass	
		50	0	19.43	0.22	19.65	<=33.01	Pass	
		2593	1	0	21.14	0.22	21.36	<=33.01	Pass
				25	21.13	0.22	21.35	<=33.01	Pass
	49			20.81	0.22	21.03	<=33.01	Pass	
	25		0	20.06	0.22	20.28	<=33.01	Pass	
			13	19.89	0.22	20.11	<=33.01	Pass	
			25	19.83	0.22	20.05	<=33.01	Pass	
	50		0	19.93	0.22	20.15	<=33.01	Pass	
	2685		1	0	22.09	0.22	22.31	<=33.01	Pass
				25	22.02	0.22	22.24	<=33.01	Pass
		49		21.86	0.22	22.08	<=33.01	Pass	
		25	0	20.99	0.22	21.21	<=33.01	Pass	
			13	20.95	0.22	21.17	<=33.01	Pass	
			25	20.89	0.22	21.11	<=33.01	Pass	
	50	0	20.85	0.22	21.07	<=33.01	Pass		
	16QAM	2501	1	0	19.31	0.22	19.53	<=33.01	Pass
				25	19.82	0.22	20.04	<=33.01	Pass
				49	19.63	0.22	19.85	<=33.01	Pass
25			0	18.32	0.22	18.54	<=33.01	Pass	
			13	18.46	0.22	18.68	<=33.01	Pass	
			25	18.48	0.22	18.70	<=33.01	Pass	
50			0	18.37	0.22	18.59	<=33.01	Pass	
2593			1	0	19.87	0.22	20.09	<=33.01	Pass
				25	19.94	0.22	20.16	<=33.01	Pass
		49		19.60	0.22	19.82	<=33.01	Pass	
		25	0	19.00	0.22	19.22	<=33.01	Pass	
			13	18.89	0.22	19.11	<=33.01	Pass	
			25	18.81	0.22	19.03	<=33.01	Pass	
		50	0	18.89	0.22	19.11	<=33.01	Pass	
		2685	1	0	20.95	0.22	21.17	<=33.01	Pass
				25	21.03	0.22	21.25	<=33.01	Pass
49				20.82	0.22	21.04	<=33.01	Pass	
25			0	19.93	0.22	20.15	<=33.01	Pass	
			13	19.94	0.22	20.16	<=33.01	Pass	
			25	19.87	0.22	20.09	<=33.01	Pass	
50		0	19.86	0.22	20.08	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

### 1.3 B41\_15MHz\_EIRP

#### 1.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTV
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2503.5	1	0	20.30	0.22	20.52	<=33.01	Pass		
			38	20.42	0.22	20.64	<=33.01	Pass		
			74	20.43	0.22	20.65	<=33.01	Pass		
		36	0	19.40	0.22	19.62	<=33.01	Pass		
			18	19.46	0.22	19.68	<=33.01	Pass		
			39	19.50	0.22	19.72	<=33.01	Pass		
		75	0	19.44	0.22	19.66	<=33.01	Pass		
		2593	1	0	20.67	0.22	20.89	<=33.01	Pass	
				38	20.44	0.22	20.66	<=33.01	Pass	
	74			20.14	0.22	20.36	<=33.01	Pass		
	36		0	19.58	0.22	19.80	<=33.01	Pass		
			18	19.42	0.22	19.64	<=33.01	Pass		
			39	19.34	0.22	19.56	<=33.01	Pass		
	75		0	19.48	0.22	19.70	<=33.01	Pass		
	2682.5		1	0	21.85	0.22	22.07	<=33.01	Pass	
				38	21.92	0.22	22.14	<=33.01	Pass	
		74		21.73	0.22	21.95	<=33.01	Pass		
		36	0	20.93	0.22	21.15	<=33.01	Pass		
			18	20.93	0.22	21.15	<=33.01	Pass		
			39	20.90	0.22	21.12	<=33.01	Pass		
		75	0	20.84	0.22	21.06	<=33.01	Pass		
		16QAM	2503.5	1	0	19.32	0.22	19.54	<=33.01	Pass
					38	19.50	0.22	19.72	<=33.01	Pass
	74				19.21	0.22	19.43	<=33.01	Pass	
36	0			18.31	0.22	18.53	<=33.01	Pass		
	18			18.31	0.22	18.53	<=33.01	Pass		
	39			18.19	0.22	18.41	<=33.01	Pass		
75	0			18.11	0.22	18.33	<=33.01	Pass		
2593	1			0	19.44	0.22	19.66	<=33.01	Pass	
				38	19.28	0.22	19.50	<=33.01	Pass	
			74	19.01	0.22	19.23	<=33.01	Pass		
	36		0	18.55	0.22	18.77	<=33.01	Pass		
			18	18.48	0.22	18.70	<=33.01	Pass		
			39	18.28	0.22	18.50	<=33.01	Pass		
	75		0	18.43	0.22	18.65	<=33.01	Pass		
	2682.5		1	0	20.85	0.22	21.07	<=33.01	Pass	
				38	20.88	0.22	21.10	<=33.01	Pass	
74				20.73	0.22	20.95	<=33.01	Pass		
36			0	19.92	0.22	20.14	<=33.01	Pass		
			18	19.90	0.22	20.12	<=33.01	Pass		
			39	19.85	0.22	20.07	<=33.01	Pass		
75			0	19.89	0.22	20.11	<=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	19.66	0.22	19.88	<=33.01	Pass
			50	20.07	0.22	20.29	<=33.01	Pass

		50	99	19.90	0.22	20.12	<=33.01	Pass		
			0	18.87	0.22	19.09	<=33.01	Pass		
			25	19.00	0.22	19.22	<=33.01	Pass		
			50	19.10	0.22	19.32	<=33.01	Pass		
		100	0	19.01	0.22	19.23	<=33.01	Pass		
		2593	1	0	20.52	0.22	20.74	<=33.01	Pass	
				50	20.49	0.22	20.71	<=33.01	Pass	
				99	19.86	0.22	20.08	<=33.01	Pass	
			50	0	19.56	0.22	19.78	<=33.01	Pass	
				25	19.48	0.22	19.70	<=33.01	Pass	
	50			19.29	0.22	19.51	<=33.01	Pass		
	100	0	19.40	0.22	19.62	<=33.01	Pass			
	2680	1	0	21.65	0.22	21.87	<=33.01	Pass		
			50	21.92	0.22	22.14	<=33.01	Pass		
			99	21.64	0.22	21.86	<=33.01	Pass		
		50	0	20.85	0.22	21.07	<=33.01	Pass		
			25	20.93	0.22	21.15	<=33.01	Pass		
			50	20.78	0.22	21.00	<=33.01	Pass		
		100	0	20.83	0.22	21.05	<=33.01	Pass		
		16QAM	2506	1	0	18.23	0.22	18.45	<=33.01	Pass
					50	18.63	0.22	18.85	<=33.01	Pass
	99				18.49	0.22	18.71	<=33.01	Pass	
	50			0	17.84	0.22	18.06	<=33.01	Pass	
				25	18.00	0.22	18.22	<=33.01	Pass	
				50	18.01	0.22	18.23	<=33.01	Pass	
	100			0	18.00	0.22	18.22	<=33.01	Pass	
	2593			1	0	19.22	0.22	19.44	<=33.01	Pass
50					19.35	0.22	19.57	<=33.01	Pass	
99					19.04	0.22	19.26	<=33.01	Pass	
50			0	18.53	0.22	18.75	<=33.01	Pass		
			25	18.43	0.22	18.65	<=33.01	Pass		
			50	18.24	0.22	18.46	<=33.01	Pass		
100			0	18.44	0.22	18.66	<=33.01	Pass		
2680			1	0	20.91	0.22	21.13	<=33.01	Pass	
				50	20.97	0.22	21.19	<=33.01	Pass	
	99			20.62	0.22	20.84	<=33.01	Pass		
	50		0	19.86	0.22	20.08	<=33.01	Pass		
			25	19.94	0.22	20.16	<=33.01	Pass		
			50	19.83	0.22	20.05	<=33.01	Pass		
	100		0	19.89	0.22	20.11	<=33.01	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

## 2. Frequency Stability

### 2.1 B41\_5MHz

#### 2.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.27	1.588	0.0006	-2.5 to 2.5	Pass
						6.351	0.0025	-2.5 to 2.5	Pass
						-3.920	-0.0016	-2.5 to 2.5	Pass

				-30	3.85	-0.930	-0.0004	-2.5 to 2.5	Pass			
				-20	3.85	0.243	0.0001	-2.5 to 2.5	Pass			
				-10	3.85	-1.888	-0.0008	-2.5 to 2.5	Pass			
				0	3.85	-81.954	-0.0328	-2.5 to 2.5	Pass			
				10	3.85	-77.662	-0.0311	-2.5 to 2.5	Pass			
				30	3.85	-87.132	-0.0349	-2.5 to 2.5	Pass			
				40	3.85	-69.408	-0.0278	-2.5 to 2.5	Pass			
	50	3.85	-63.772	-0.0255	-2.5 to 2.5	Pass						
	2593	25	0	20	3.27	-1.159	-0.0004	-2.5 to 2.5	Pass			
					3.85	-13.218	-0.0051	-2.5 to 2.5	Pass			
					4.43	-24.419	-0.0094	-2.5 to 2.5	Pass			
				-30	3.85	-24.920	-0.0096	-2.5 to 2.5	Pass			
				-20	3.85	-21.043	-0.0081	-2.5 to 2.5	Pass			
				-10	3.85	-10.643	-0.0041	-2.5 to 2.5	Pass			
				0	3.85	-14.806	-0.0057	-2.5 to 2.5	Pass			
				10	3.85	-20.943	-0.0081	-2.5 to 2.5	Pass			
				30	3.85	292.125	0.1127	-2.5 to 2.5	Pass			
				40	3.85	275.087	0.1061	-2.5 to 2.5	Pass			
				50	3.85	276.189	0.1065	-2.5 to 2.5	Pass			
				2687.5	25	0	20	3.27	-1.731	-0.0006	-2.5 to 2.5	Pass
								3.85	-11.215	-0.0042	-2.5 to 2.5	Pass
								4.43	8.297	0.0031	-2.5 to 2.5	Pass
	-30	3.85	5.779				0.0022	-2.5 to 2.5	Pass			
	-20	3.85	3.018				0.0011	-2.5 to 2.5	Pass			
	-10	3.85	-11.845				-0.0044	-2.5 to 2.5	Pass			
	0	3.85	-5.937				-0.0022	-2.5 to 2.5	Pass			
	10	3.85	9.212				0.0034	-2.5 to 2.5	Pass			
30	3.85	-7.753	-0.0029				-2.5 to 2.5	Pass				
40	3.85	-0.672	-0.0003				-2.5 to 2.5	Pass				
50	3.85	-9.155	-0.0034				-2.5 to 2.5	Pass				
16QAM	2498.5	25	0	20	3.27	-72.384	-0.0290	-2.5 to 2.5	Pass			
					3.85	789.485	0.3160	-2.5 to 2.5	Pass			
					4.43	793.133	0.3174	-2.5 to 2.5	Pass			
				-30	3.85	788.770	0.3157	-2.5 to 2.5	Pass			
				-20	3.85	798.512	0.3196	-2.5 to 2.5	Pass			
				-10	3.85	798.383	0.3195	-2.5 to 2.5	Pass			
				0	3.85	814.834	0.3261	-2.5 to 2.5	Pass			
				10	3.85	124.927	0.0500	-2.5 to 2.5	Pass			
				30	3.85	104.713	0.0419	-2.5 to 2.5	Pass			
				40	3.85	109.034	0.0436	-2.5 to 2.5	Pass			
				50	3.85	108.919	0.0436	-2.5 to 2.5	Pass			
				2593	25	0	20	3.27	277.448	0.1070	-2.5 to 2.5	Pass
								3.85	296.531	0.1144	-2.5 to 2.5	Pass
								4.43	274.015	0.1057	-2.5 to 2.5	Pass
	-30	3.85	284.128				0.1096	-2.5 to 2.5	Pass			
	-20	3.85	288.377				0.1112	-2.5 to 2.5	Pass			
	-10	3.85	304.427				0.1174	-2.5 to 2.5	Pass			
	0	3.85	295.386				0.1139	-2.5 to 2.5	Pass			
	10	3.85	293.112				0.1130	-2.5 to 2.5	Pass			
	30	3.85	292.010				0.1126	-2.5 to 2.5	Pass			
	40	3.85	310.092				0.1196	-2.5 to 2.5	Pass			
	50	3.85	311.108				0.1200	-2.5 to 2.5	Pass			
	2687.5	25	0	20	3.27	-6.652	-0.0025	-2.5 to 2.5	Pass			
					3.85	-3.548	-0.0013	-2.5 to 2.5	Pass			
					4.43	8.926	0.0033	-2.5 to 2.5	Pass			
				-30	3.85	-13.390	-0.0050	-2.5 to 2.5	Pass			
	-20	3.85	-11.859	-0.0044	-2.5 to 2.5	Pass						

				-10	3.85	-7.210	-0.0027	-2.5 to 2.5	Pass
				0	3.85	5.865	0.0022	-2.5 to 2.5	Pass
				10	3.85	7.725	0.0029	-2.5 to 2.5	Pass
				30	3.85	2.761	0.0010	-2.5 to 2.5	Pass
				40	3.85	-4.578	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-2.832	-0.0011	-2.5 to 2.5	Pass

## 2.2 B41\_10MHz

### 2.2.1 Test Result

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	2501	50	0	20	3.27	-4.978	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0015	-2.5 to 2.5	Pass
					4.43	-7.453	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-3.691	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0002	-2.5 to 2.5	Pass
				0	3.85	-9.456	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-5.364	-0.0021	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
	50	3.85	-8.225	-0.0033	-2.5 to 2.5	Pass			
	2593	50	0	20	3.27	-0.401	-0.0002	-2.5 to 2.5	Pass
					3.85	-9.484	-0.0037	-2.5 to 2.5	Pass
					4.43	-11.559	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-13.204	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-11.773	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-7.081	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-16.108	-0.0062	-2.5 to 2.5	Pass
				10	3.85	4.907	0.0019	-2.5 to 2.5	Pass
				30	3.85	0.772	0.0003	-2.5 to 2.5	Pass
				40	3.85	2.246	0.0009	-2.5 to 2.5	Pass
	50	3.85	-8.669	-0.0033	-2.5 to 2.5	Pass			
	2685	50	0	20	3.27	-5.250	-0.0020	-2.5 to 2.5	Pass
					3.85	-12.317	-0.0046	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.004	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-8.011	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-5.908	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-1.860	-0.0007	-2.5 to 2.5	Pass
				10	3.85	3.018	0.0011	-2.5 to 2.5	Pass
30				3.85	-5.150	-0.0019	-2.5 to 2.5	Pass	
40				3.85	6.080	0.0023	-2.5 to 2.5	Pass	
50	3.85	-3.147	-0.0012	-2.5 to 2.5	Pass				
16QAM	2501	50	0	20	3.27	0.772	0.0003	-2.5 to 2.5	Pass
					3.85	-8.197	-0.0033	-2.5 to 2.5	Pass
					4.43	-10.200	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-1.445	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-8.354	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-4.463	-0.0018	-2.5 to 2.5	Pass
				0	3.85	2.360	0.0009	-2.5 to 2.5	Pass
10	3.85	-1.087	-0.0004	-2.5 to 2.5	Pass				

	2593	50	0	30	3.85	-3.119	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-11.659	-0.0047	-2.5 to 2.5	Pass
				20	3.27	-4.578	-0.0018	-2.5 to 2.5	Pass
					3.85	-9.899	-0.0038	-2.5 to 2.5	Pass
					4.43	-2.146	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-9.627	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	-14.834	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0008	-2.5 to 2.5	Pass
				10	3.85	0.329	0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.549	-0.0018	-2.5 to 2.5	Pass
	40	3.85	-2.346	-0.0009	-2.5 to 2.5	Pass			
	50	3.85	-11.244	-0.0043	-2.5 to 2.5	Pass			
	2685	50	0	20	3.27	-4.520	-0.0017	-2.5 to 2.5	Pass
					3.85	-8.755	-0.0033	-2.5 to 2.5	Pass
					4.43	-11.501	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-3.033	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.960	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-6.995	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-3.405	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-9.556	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-8.154	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
50				3.85	-12.560	-0.0047	-2.5 to 2.5	Pass	

## 2.3 B41\_15MHz

### 2.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	3.27	-0.801	-0.0003	-2.5 to 2.5	Pass
					3.85	-9.885	-0.0039	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-5.050	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-7.668	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-1.159	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-4.005	-0.0016	-2.5 to 2.5	Pass
				10	3.85	0.973	0.0004	-2.5 to 2.5	Pass
				30	3.85	4.749	0.0019	-2.5 to 2.5	Pass
				40	3.85	-11.401	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-9.770	-0.0039	-2.5 to 2.5	Pass
				2593	75	0	20	3.27	1.044
	3.85	-5.093	-0.0020					-2.5 to 2.5	Pass
	4.43	-6.709	-0.0026					-2.5 to 2.5	Pass
	-30	3.85	-5.479				-0.0021	-2.5 to 2.5	Pass
	-20	3.85	0.587				0.0002	-2.5 to 2.5	Pass
	-10	3.85	0.386				0.0001	-2.5 to 2.5	Pass
	0	3.85	-4.063				-0.0016	-2.5 to 2.5	Pass
	10	3.85	-8.311				-0.0032	-2.5 to 2.5	Pass
	30	3.85	0.429				0.0002	-2.5 to 2.5	Pass
	40	3.85	2.089				0.0008	-2.5 to 2.5	Pass
	50	3.85	-10.700				-0.0041	-2.5 to 2.5	Pass

	2682.5	75	0	20	3.27	-4.621	-0.0017	-2.5 to 2.5	Pass
					3.85	-6.866	-0.0026	-2.5 to 2.5	Pass
					4.43	-0.486	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-8.798	-0.0033	-2.5 to 2.5	Pass
					-20	3.85	-4.563	-0.0017	-2.5 to 2.5
				-10	3.85	-5.593	-0.0021	-2.5 to 2.5	Pass
					0	3.85	-7.381	-0.0028	-2.5 to 2.5
				10	3.85	-8.597	-0.0032	-2.5 to 2.5	Pass
					30	3.85	3.018	0.0011	-2.5 to 2.5
				40	3.85	-2.804	-0.0010	-2.5 to 2.5	Pass
50	3.85	-5.121	-0.0019		-2.5 to 2.5	Pass			
16QAM	2503.5	75	0	20	3.27	-9.069	-0.0036	-2.5 to 2.5	Pass
					3.85	2.432	0.0010	-2.5 to 2.5	Pass
					4.43	-4.592	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-7.539	-0.0030	-2.5 to 2.5	Pass
					-20	3.85	-6.280	-0.0025	-2.5 to 2.5
				-10	3.85	-5.150	-0.0021	-2.5 to 2.5	Pass
					0	3.85	-7.267	-0.0029	-2.5 to 2.5
				10	3.85	-9.913	-0.0040	-2.5 to 2.5	Pass
					30	3.85	-5.622	-0.0022	-2.5 to 2.5
				40	3.85	-4.678	-0.0019	-2.5 to 2.5	Pass
	50	3.85	-6.294		-0.0025	-2.5 to 2.5	Pass		
	2593	75	0	20	3.27	-2.346	-0.0009	-2.5 to 2.5	Pass
					3.85	-7.854	-0.0030	-2.5 to 2.5	Pass
					4.43	-2.904	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-12.102	-0.0047	-2.5 to 2.5	Pass
					-20	3.85	-5.178	-0.0020	-2.5 to 2.5
				-10	3.85	-7.639	-0.0029	-2.5 to 2.5	Pass
					0	3.85	-1.101	-0.0004	-2.5 to 2.5
				10	3.85	-7.939	-0.0031	-2.5 to 2.5	Pass
					30	3.85	-1.945	-0.0008	-2.5 to 2.5
				40	3.85	-7.067	-0.0027	-2.5 to 2.5	Pass
	50	3.85	-4.306		-0.0017	-2.5 to 2.5	Pass		
	2682.5	75	0	20	3.27	-5.994	-0.0022	-2.5 to 2.5	Pass
					3.85	-5.350	-0.0020	-2.5 to 2.5	Pass
					4.43	-6.423	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	3.104	0.0012	-2.5 to 2.5	Pass
					-20	3.85	-4.950	-0.0018	-2.5 to 2.5
				-10	3.85	-8.712	-0.0032	-2.5 to 2.5	Pass
0					3.85	-6.766	-0.0025	-2.5 to 2.5	Pass
10				3.85	1.445	0.0005	-2.5 to 2.5	Pass	
				30	3.85	-0.272	-0.0001	-2.5 to 2.5	Pass
40				3.85	-5.851	-0.0022	-2.5 to 2.5	Pass	
	50	3.85	-5.536	-0.0021	-2.5 to 2.5	Pass			

## 2.4 B41\_20MHz

### 2.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.27	-11.029	-0.0044	-2.5 to 2.5	Pass
					3.85	-4.935	-0.0020	-2.5 to 2.5	Pass
					4.43	-1.059	-0.0004	-2.5 to 2.5	Pass



				-30	3.85	-10.843	-0.0043	-2.5 to 2.5	Pass			
				-20	3.85	-0.372	-0.0001	-2.5 to 2.5	Pass			
				-10	3.85	-5.836	-0.0023	-2.5 to 2.5	Pass			
				0	3.85	-4.535	-0.0018	-2.5 to 2.5	Pass			
				10	3.85	-5.507	-0.0022	-2.5 to 2.5	Pass			
				30	3.85	-4.749	-0.0019	-2.5 to 2.5	Pass			
				40	3.85	-5.064	-0.0020	-2.5 to 2.5	Pass			
	50	3.85	-10.386	-0.0041	-2.5 to 2.5	Pass						
	2593	100	0	20	3.27	-9.656	-0.0037	-2.5 to 2.5	Pass			
					3.85	-5.736	-0.0022	-2.5 to 2.5	Pass			
					4.43	2.160	0.0008	-2.5 to 2.5	Pass			
				-30	3.85	1.087	0.0004	-2.5 to 2.5	Pass			
				-20	3.85	-4.206	-0.0016	-2.5 to 2.5	Pass			
				-10	3.85	-4.077	-0.0016	-2.5 to 2.5	Pass			
				0	3.85	-10.901	-0.0042	-2.5 to 2.5	Pass			
				10	3.85	-5.178	-0.0020	-2.5 to 2.5	Pass			
				30	3.85	-10.371	-0.0040	-2.5 to 2.5	Pass			
				40	3.85	0.658	0.0003	-2.5 to 2.5	Pass			
				50	3.85	-6.137	-0.0024	-2.5 to 2.5	Pass			
				2680	100	0	20	3.27	-12.617	-0.0047	-2.5 to 2.5	Pass
								3.85	-6.452	-0.0024	-2.5 to 2.5	Pass
								4.43	-2.875	-0.0011	-2.5 to 2.5	Pass
	-30	3.85	-4.735				-0.0018	-2.5 to 2.5	Pass			
	-20	3.85	-4.978				-0.0019	-2.5 to 2.5	Pass			
	-10	3.85	-10.200				-0.0038	-2.5 to 2.5	Pass			
	0	3.85	-0.701				-0.0003	-2.5 to 2.5	Pass			
	10	3.85	4.292				0.0016	-2.5 to 2.5	Pass			
30	3.85	-8.712	-0.0033				-2.5 to 2.5	Pass				
40	3.85	3.104	0.0012				-2.5 to 2.5	Pass				
50	3.85	0.758	0.0003				-2.5 to 2.5	Pass				
16QAM	2506	100	0	20	3.27	-6.795	-0.0027	-2.5 to 2.5	Pass			
					3.85	-5.622	-0.0022	-2.5 to 2.5	Pass			
					4.43	-0.672	-0.0003	-2.5 to 2.5	Pass			
				-30	3.85	-7.153	-0.0029	-2.5 to 2.5	Pass			
				-20	3.85	-12.760	-0.0051	-2.5 to 2.5	Pass			
				-10	3.85	-1.001	-0.0004	-2.5 to 2.5	Pass			
				0	3.85	-3.233	-0.0013	-2.5 to 2.5	Pass			
				10	3.85	-6.652	-0.0027	-2.5 to 2.5	Pass			
				30	3.85	-4.177	-0.0017	-2.5 to 2.5	Pass			
				40	3.85	-13.075	-0.0052	-2.5 to 2.5	Pass			
				50	3.85	-4.263	-0.0017	-2.5 to 2.5	Pass			
				2593	100	0	20	3.27	-5.450	-0.0021	-2.5 to 2.5	Pass
								3.85	-4.606	-0.0018	-2.5 to 2.5	Pass
								4.43	-4.063	-0.0016	-2.5 to 2.5	Pass
	-30	3.85	-5.307				-0.0020	-2.5 to 2.5	Pass			
	-20	3.85	-4.663				-0.0018	-2.5 to 2.5	Pass			
	-10	3.85	-7.067				-0.0027	-2.5 to 2.5	Pass			
	0	3.85	-6.166				-0.0024	-2.5 to 2.5	Pass			
	10	3.85	-0.358				-0.0001	-2.5 to 2.5	Pass			
	30	3.85	4.034				0.0016	-2.5 to 2.5	Pass			
	40	3.85	3.276				0.0013	-2.5 to 2.5	Pass			
	50	3.85	-0.844				-0.0003	-2.5 to 2.5	Pass			
	2680	100	0	20	3.27	-8.268	-0.0031	-2.5 to 2.5	Pass			
					3.85	-0.129	0.0000	-2.5 to 2.5	Pass			
					4.43	-5.522	-0.0021	-2.5 to 2.5	Pass			
				-30	3.85	-1.330	-0.0005	-2.5 to 2.5	Pass			
				-20	3.85	-4.950	-0.0018	-2.5 to 2.5	Pass			

				-10	3.85	-9.699	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-0.944	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-7.167	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-8.154	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-13.218	-0.0049	-2.5 to 2.5	Pass
				50	3.85	-3.920	-0.0015	-2.5 to 2.5	Pass

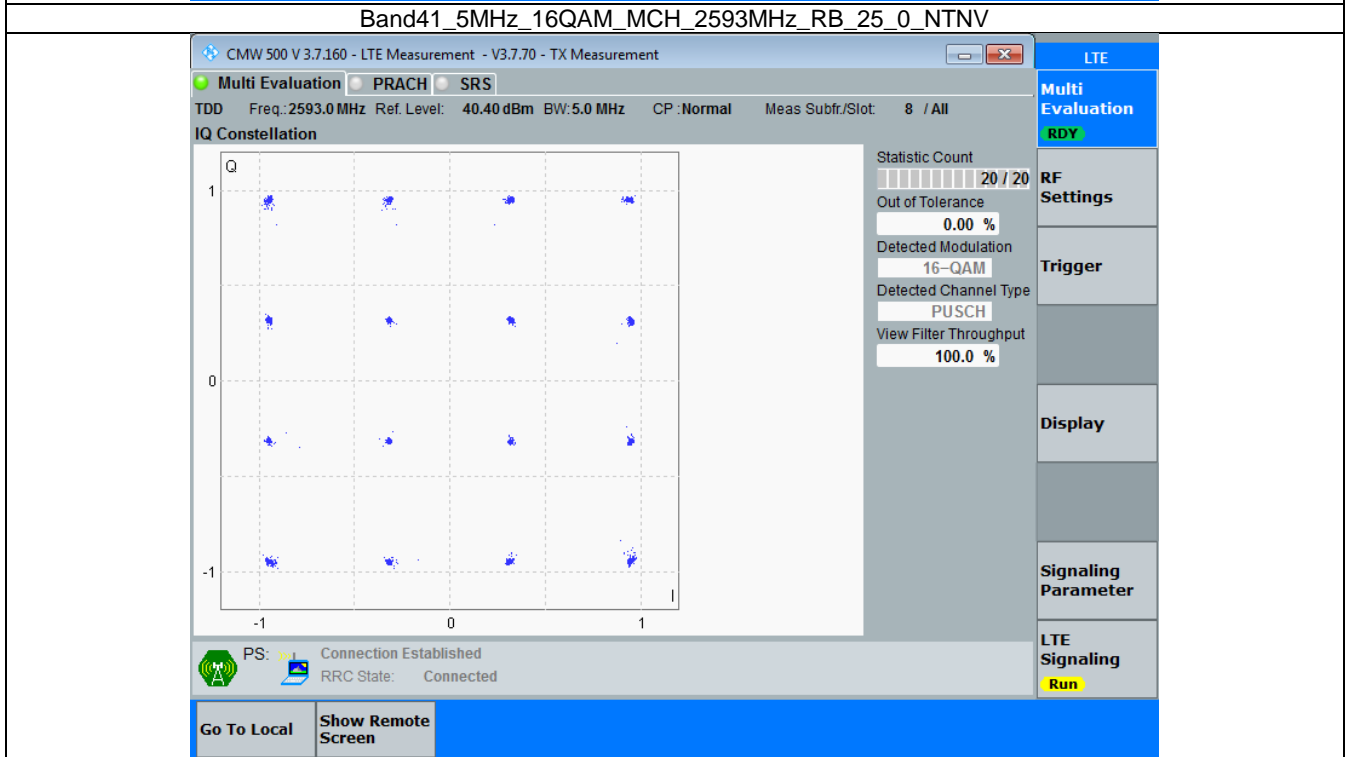
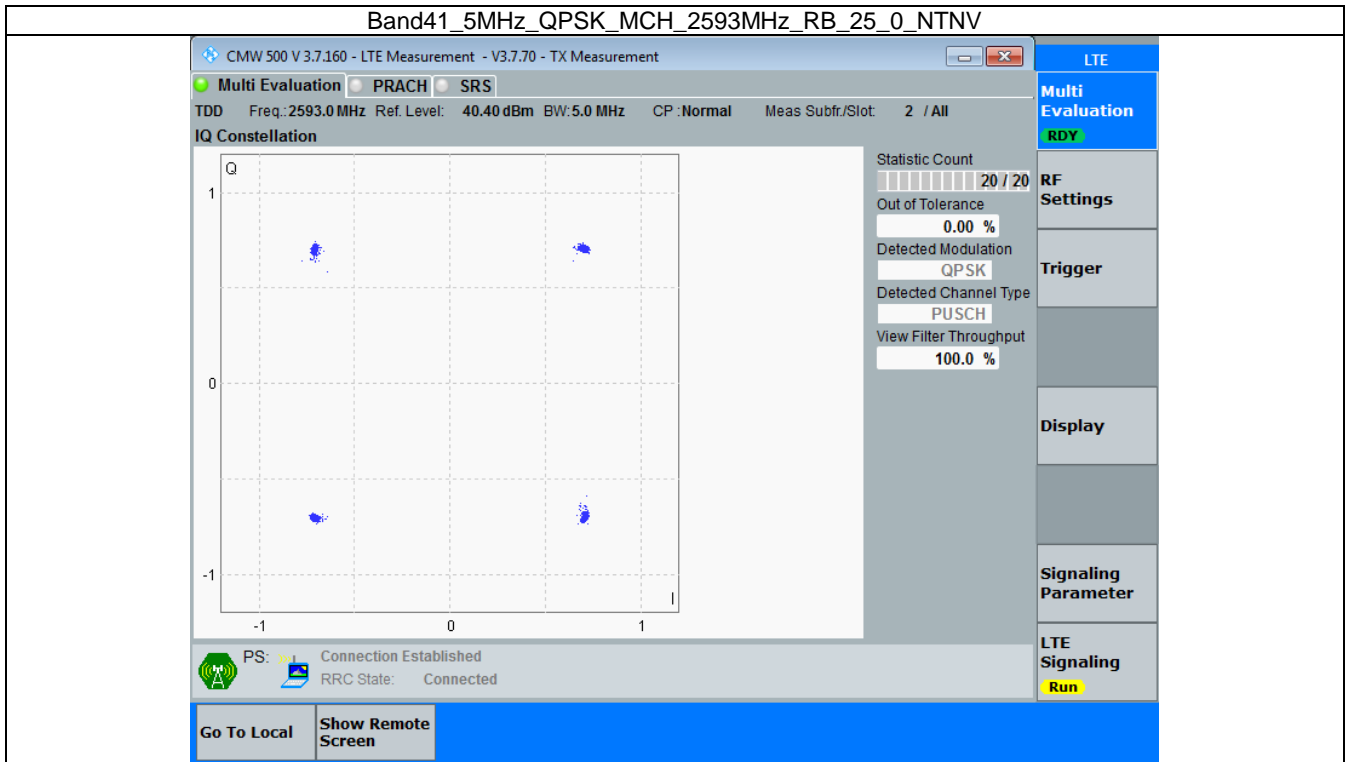
### 3. Modulation Characteristics

#### 3.1 B41\_5MHz

##### 3.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTN						
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

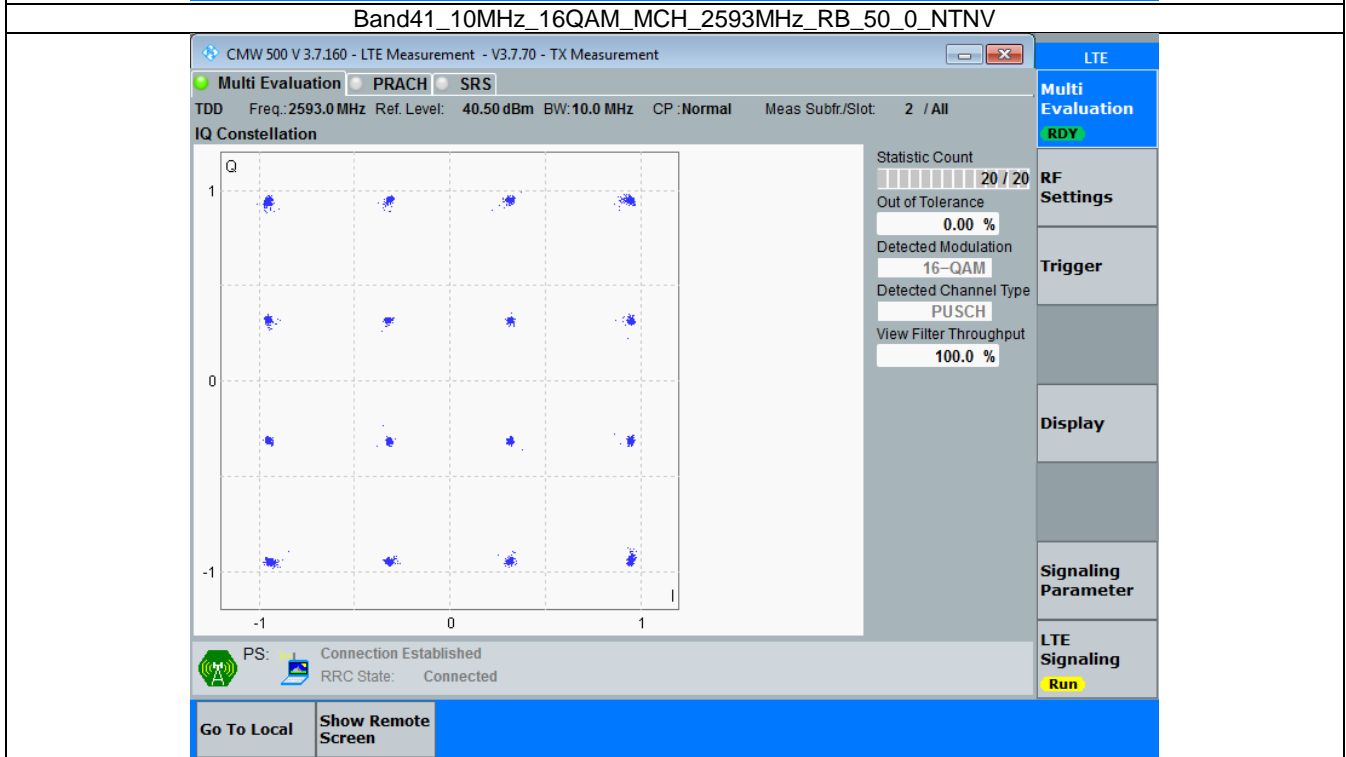
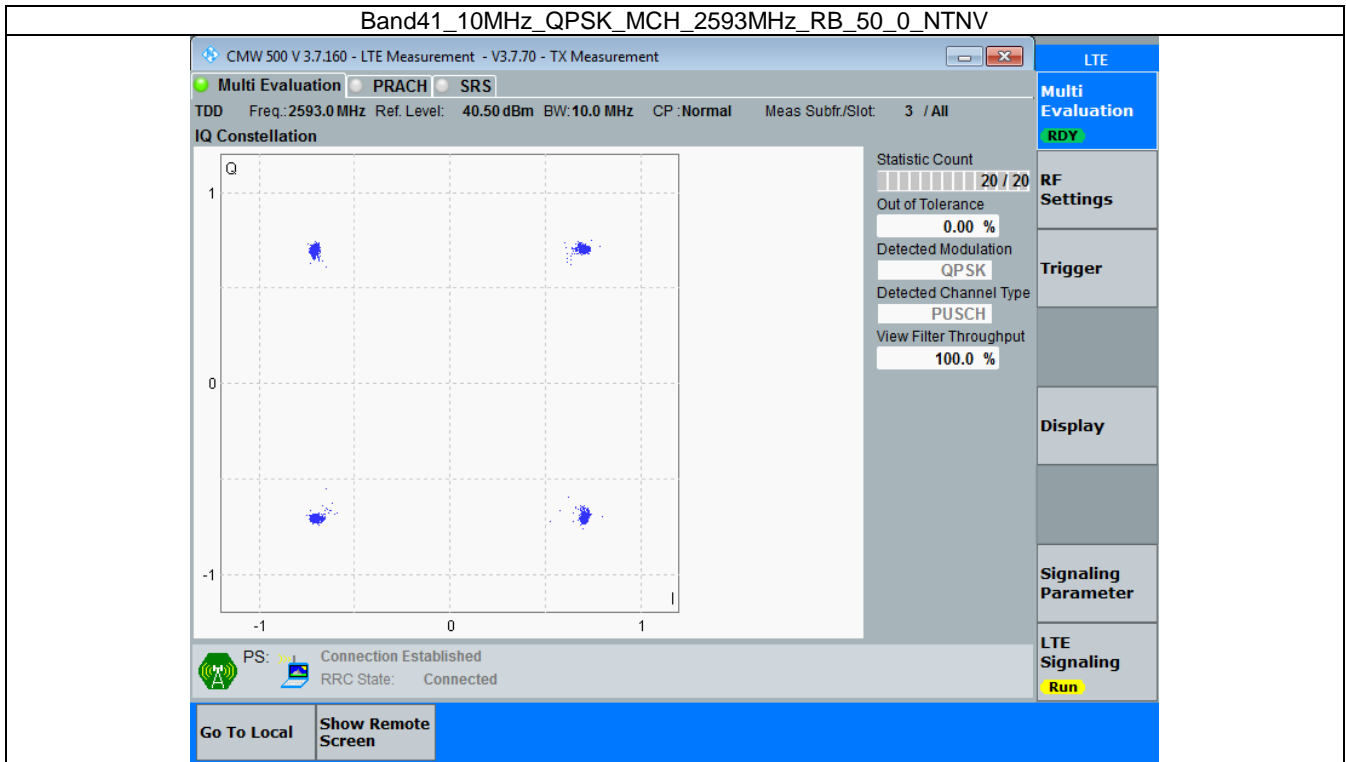


### 3.2 B41\_10MHz

### 3.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV						
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

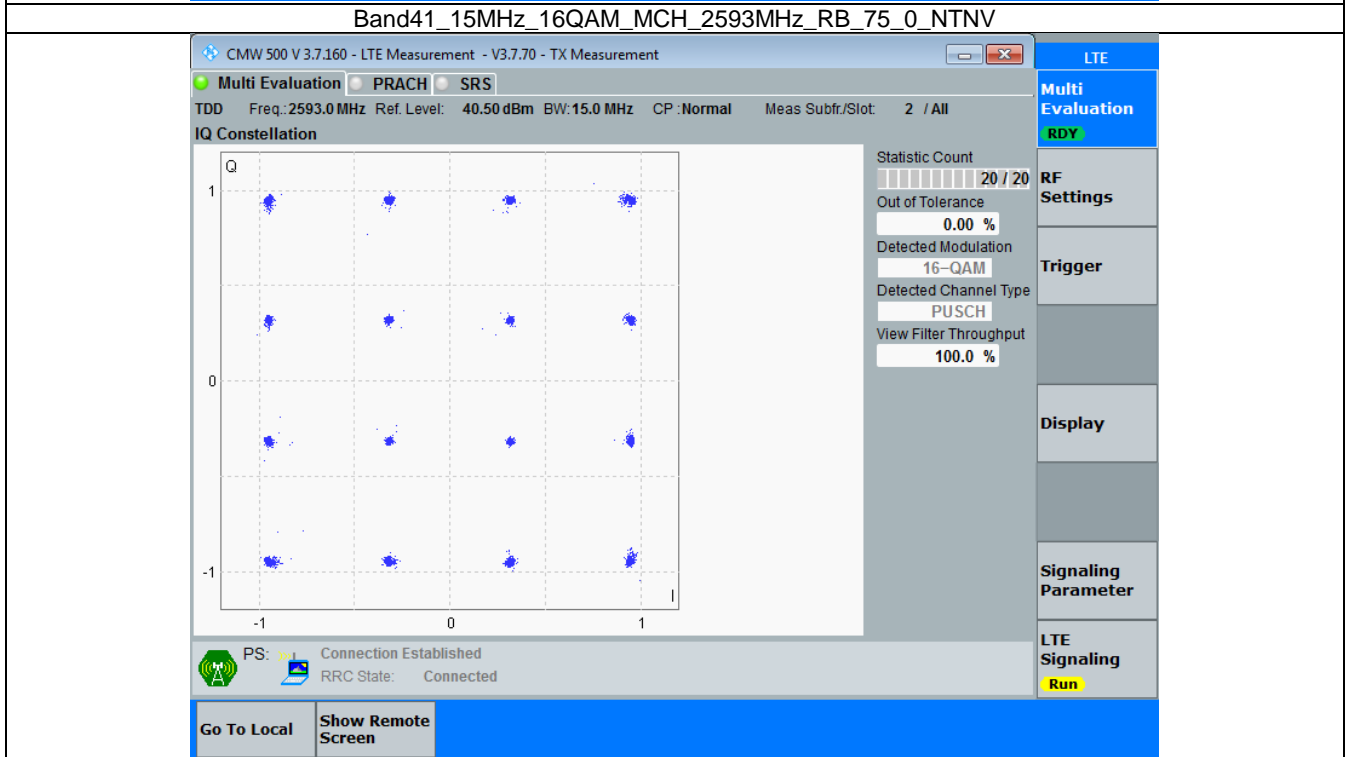
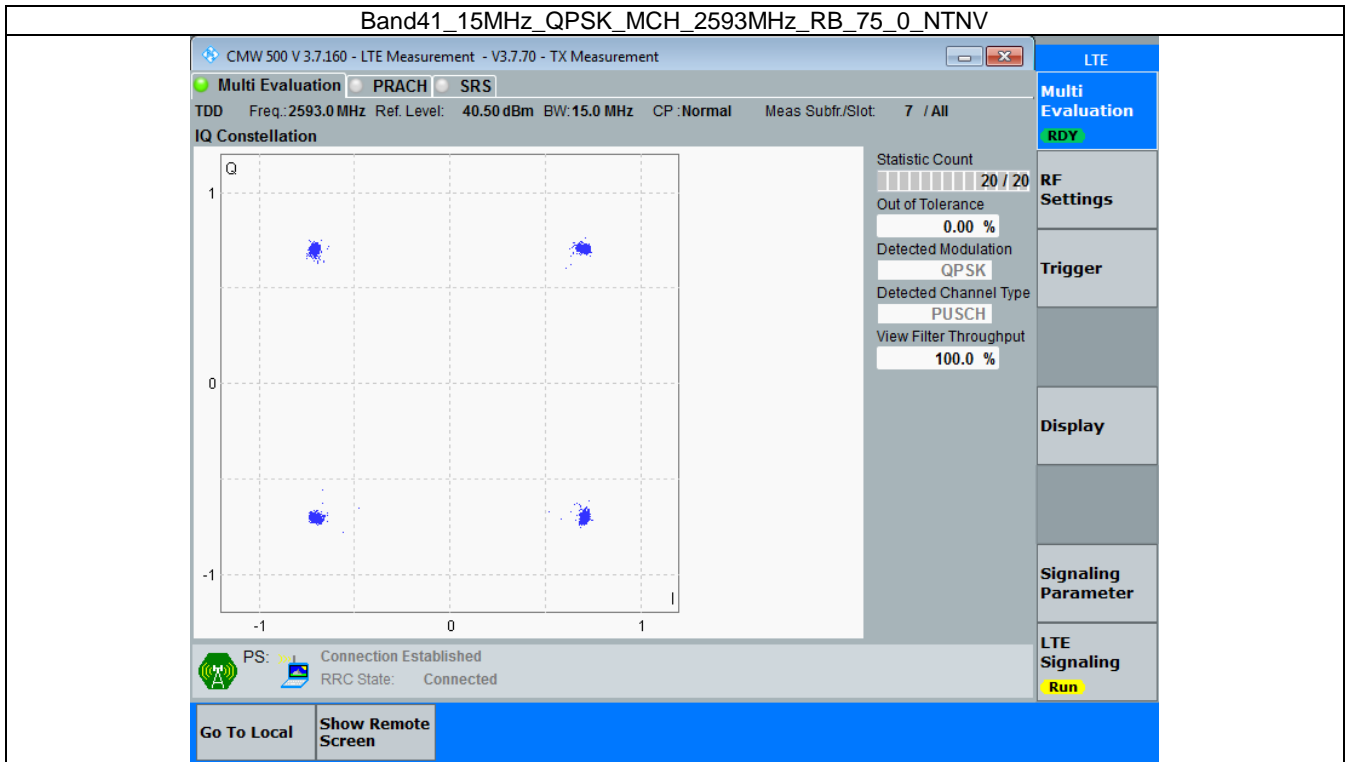


### 3.3 B41\_15MHz

### 3.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV						
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



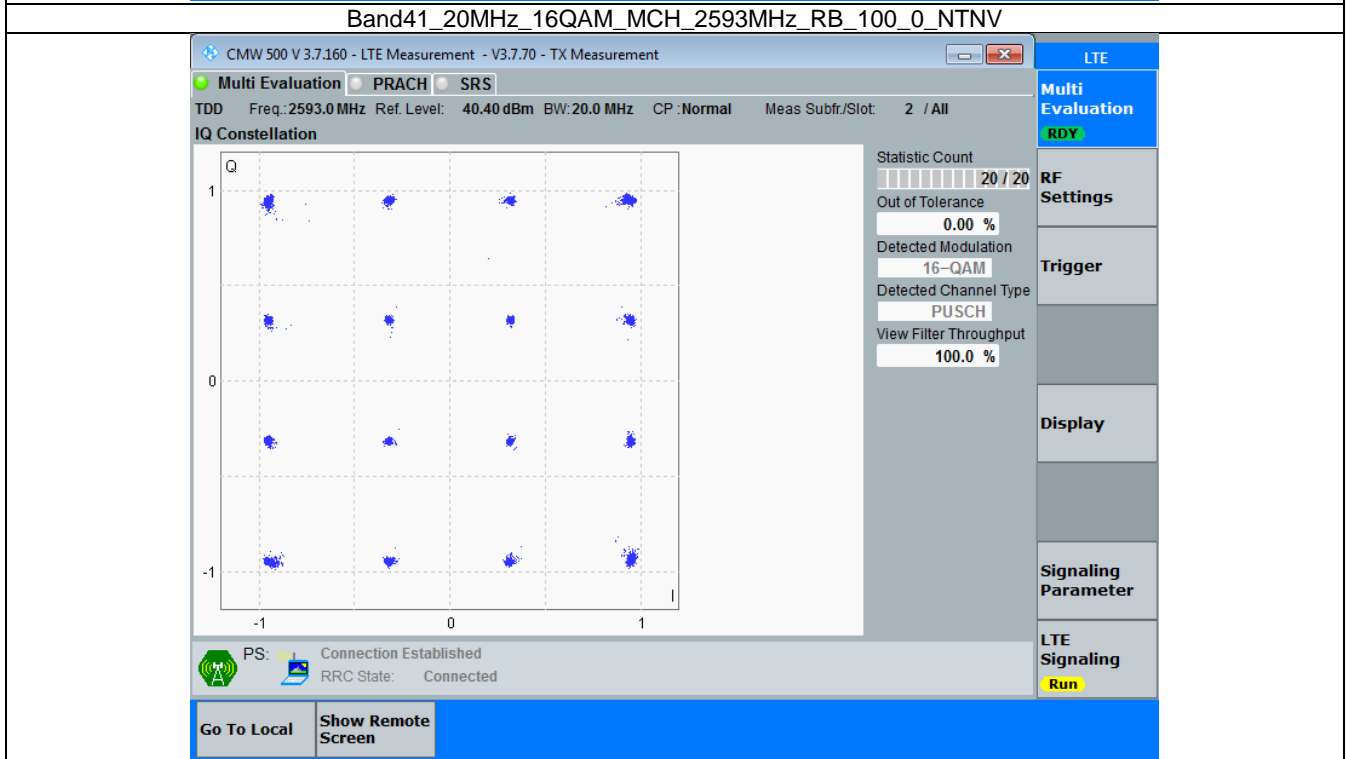
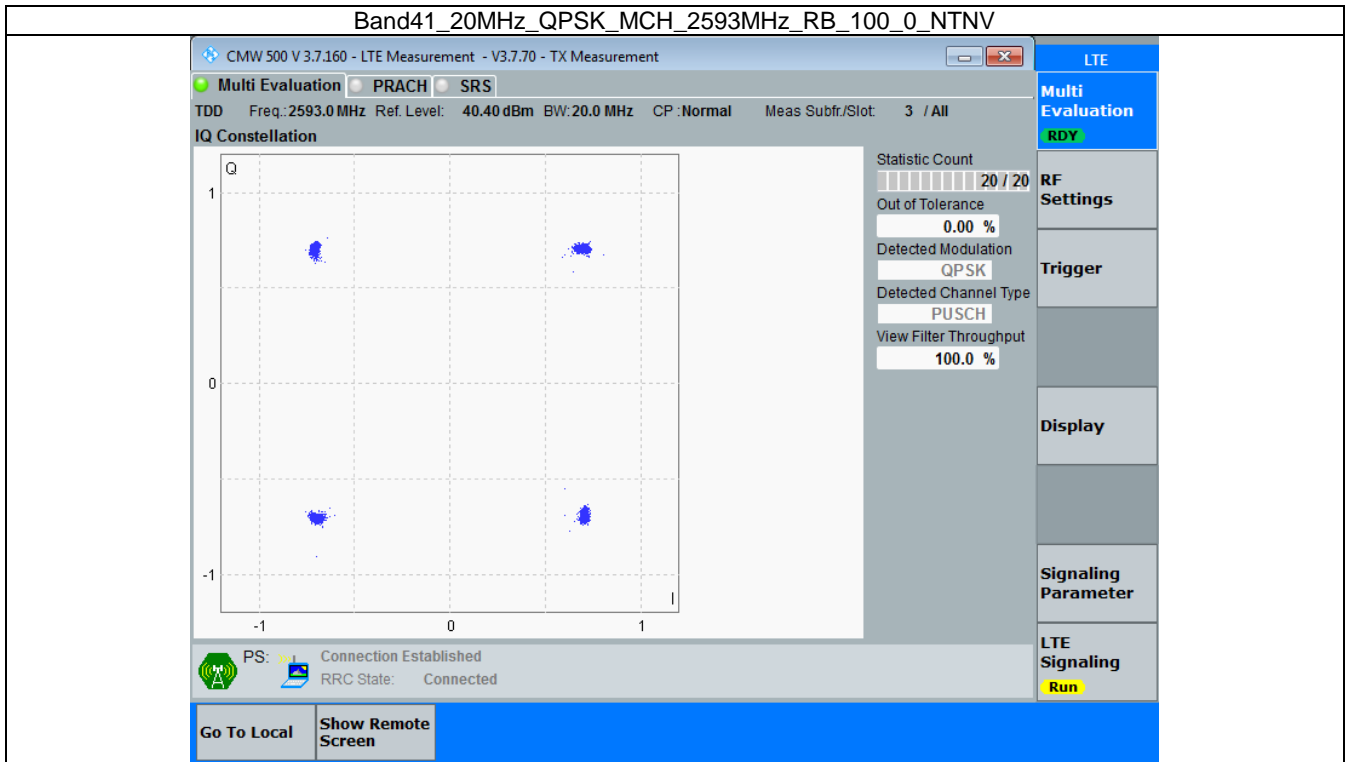
### 3.4 B41\_20MHz

### 3.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV						
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



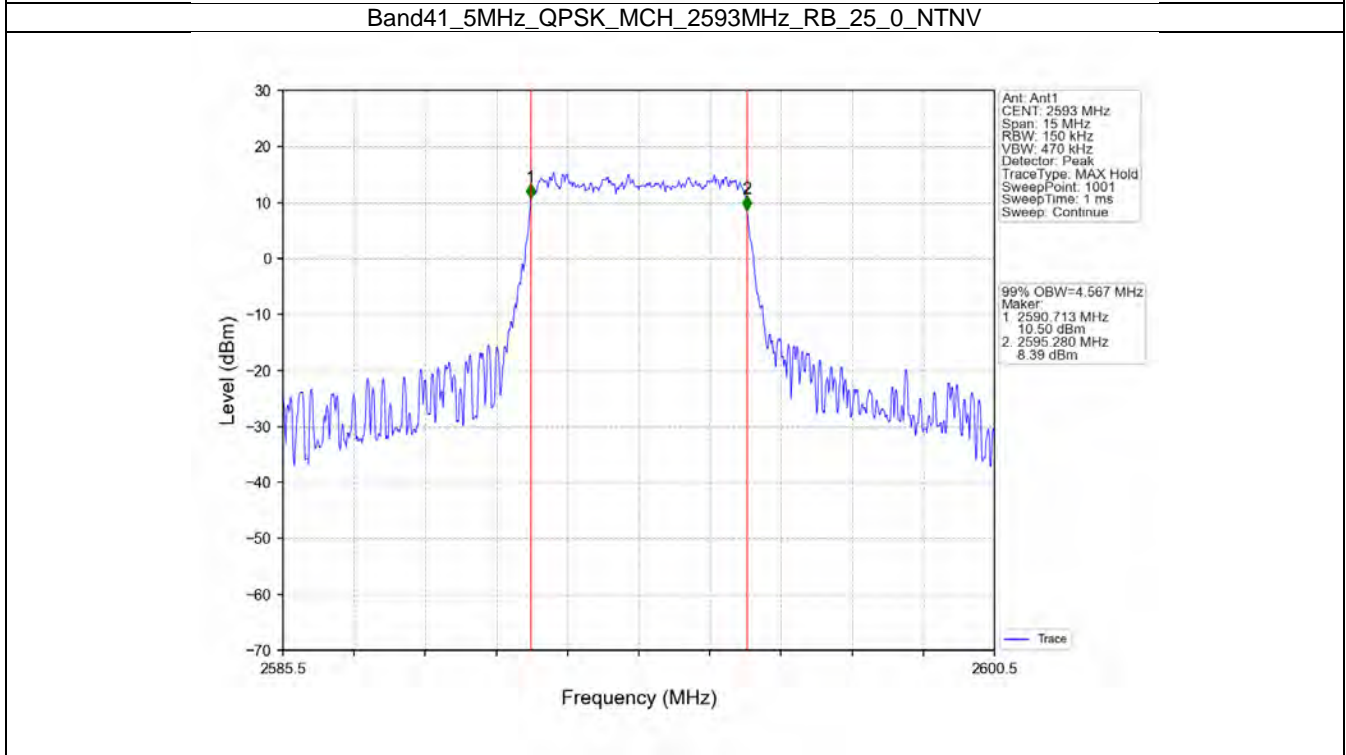
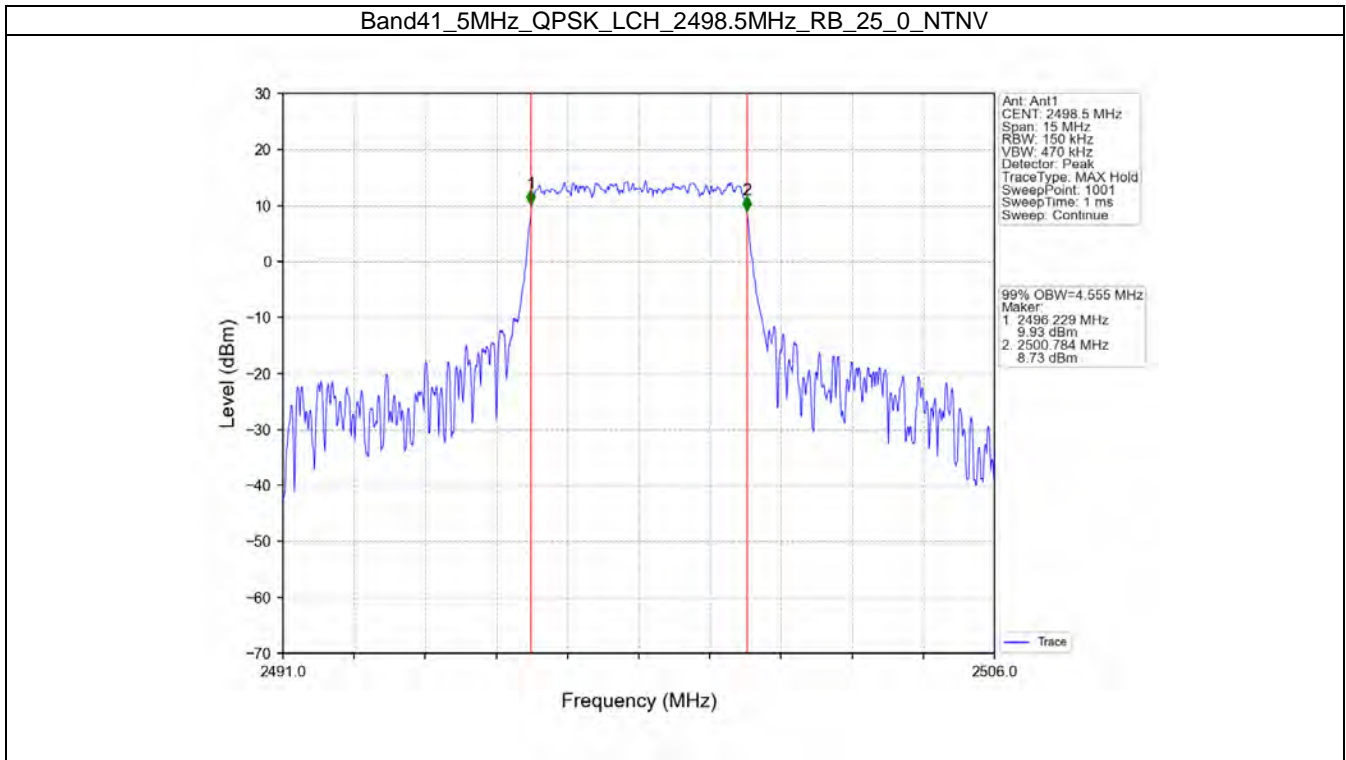
## 4. 99% & 26dB Bandwidth

### 4.1 Band41\_OBW

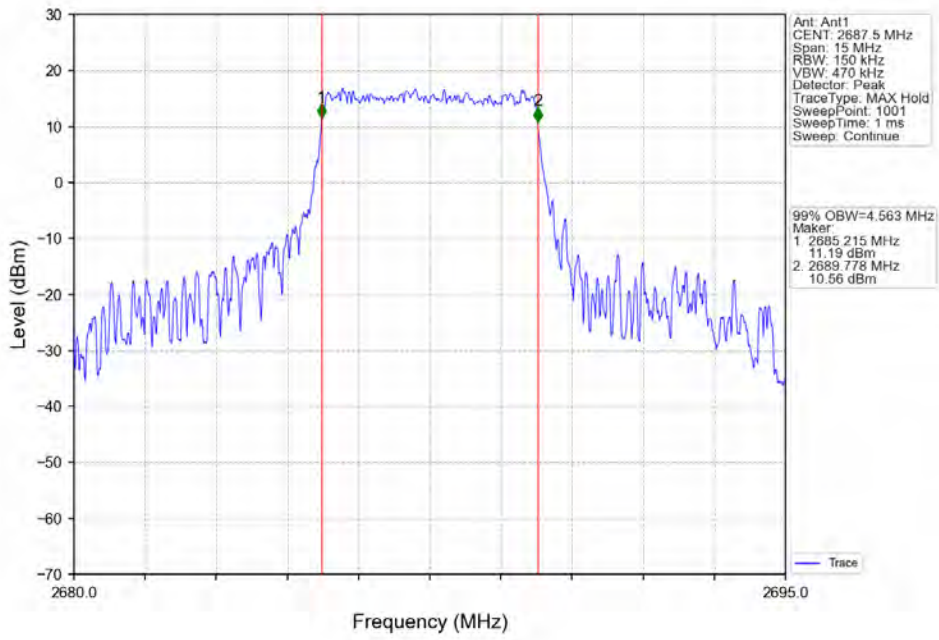
#### 4.1.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	4.555	/	Pass
		2593	25	0	4.567	/	Pass
		2687.5	25	0	4.563	/	Pass
	16QAM	2498.5	25	0	4.588	/	Pass
		2593	25	0	4.564	/	Pass
		2687.5	25	0	4.552	/	Pass
10	QPSK	2501	50	0	9.119	/	Pass
		2593	50	0	9.051	/	Pass
		2685	50	0	9.094	/	Pass
	16QAM	2501	50	0	9.073	/	Pass
		2593	50	0	9.076	/	Pass
		2685	50	0	9.083	/	Pass
15	QPSK	2503.5	75	0	13.575	/	Pass
		2593	75	0	13.597	/	Pass
		2682.5	75	0	13.680	/	Pass
	16QAM	2503.5	75	0	13.694	/	Pass
		2593	75	0	13.661	/	Pass
		2682.5	75	0	13.661	/	Pass
20	QPSK	2506	100	0	18.126	/	Pass
		2593	100	0	18.092	/	Pass
		2680	100	0	18.104	/	Pass
	16QAM	2506	100	0	18.150	/	Pass
		2593	100	0	18.150	/	Pass
		2680	100	0	18.103	/	Pass

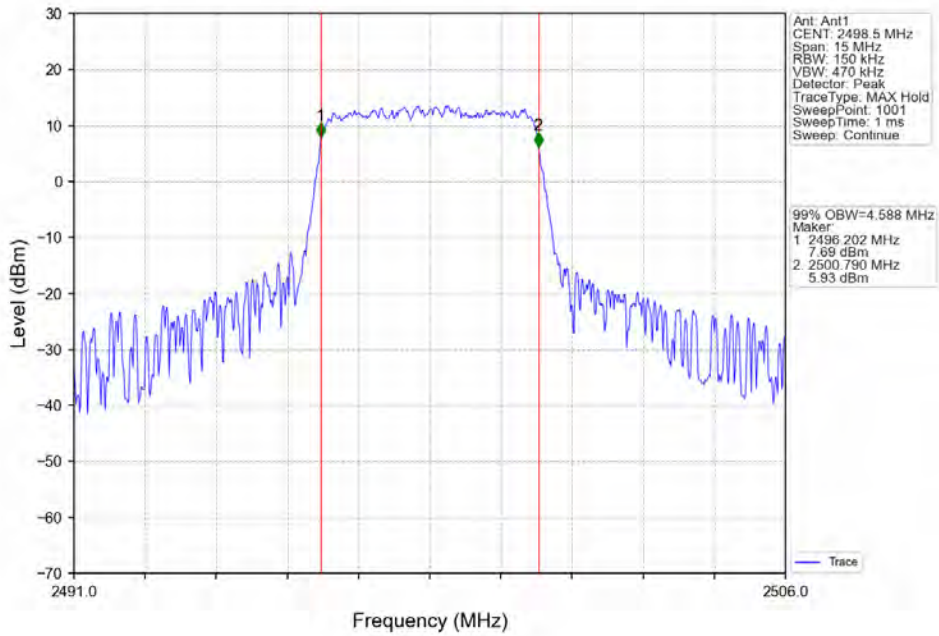
### 4.1.2 Test Graph



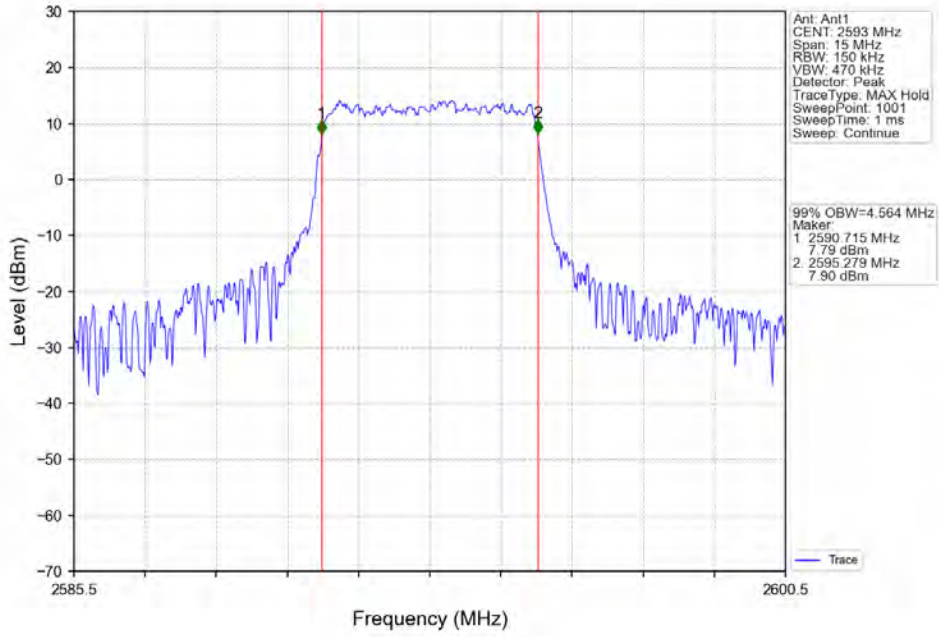
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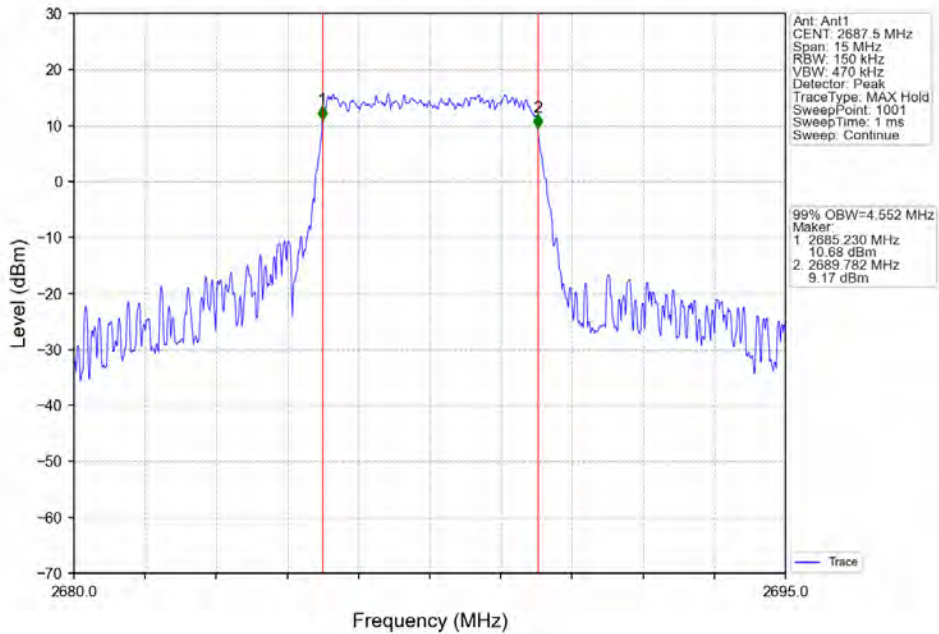
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



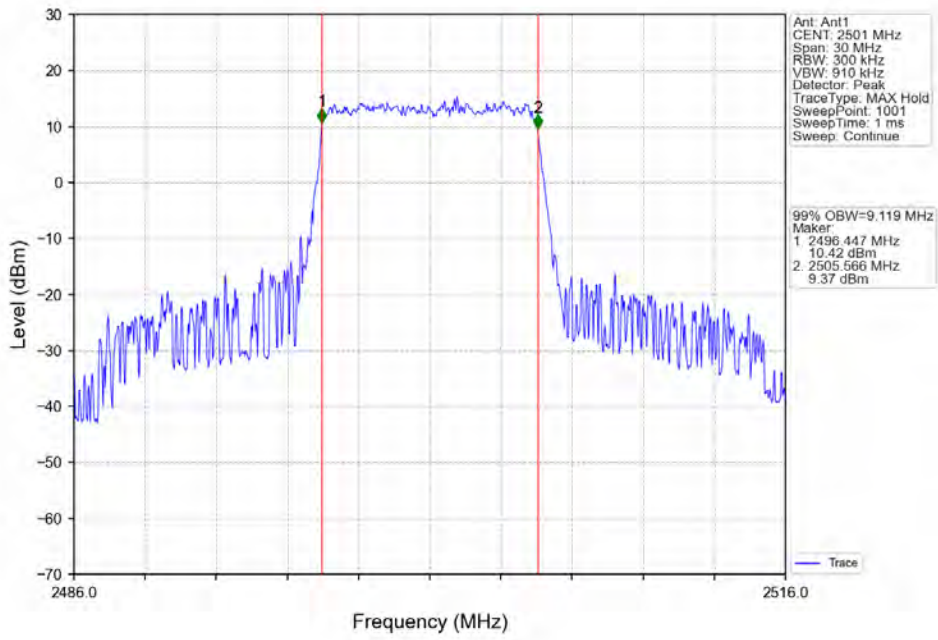
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



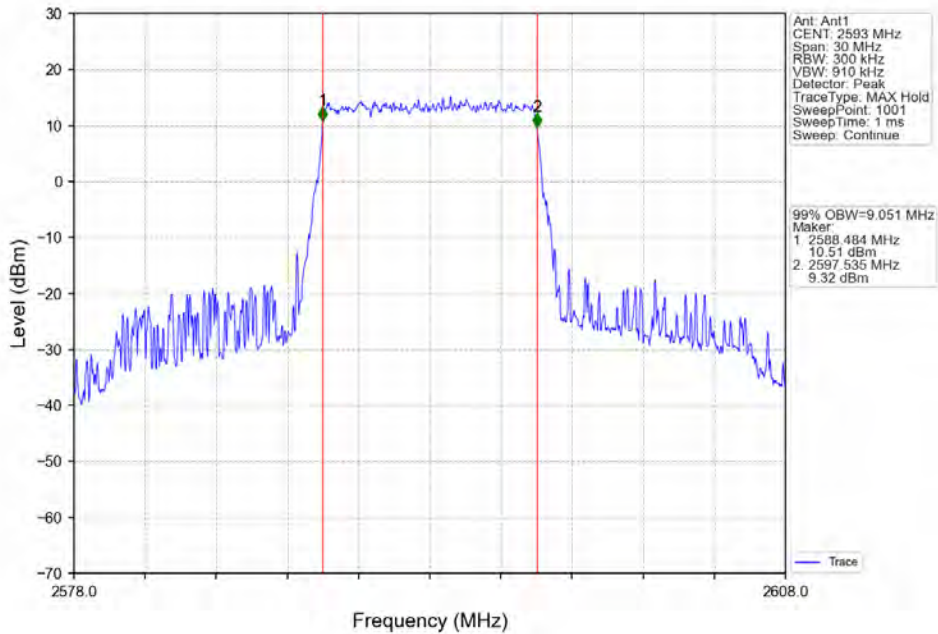
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV

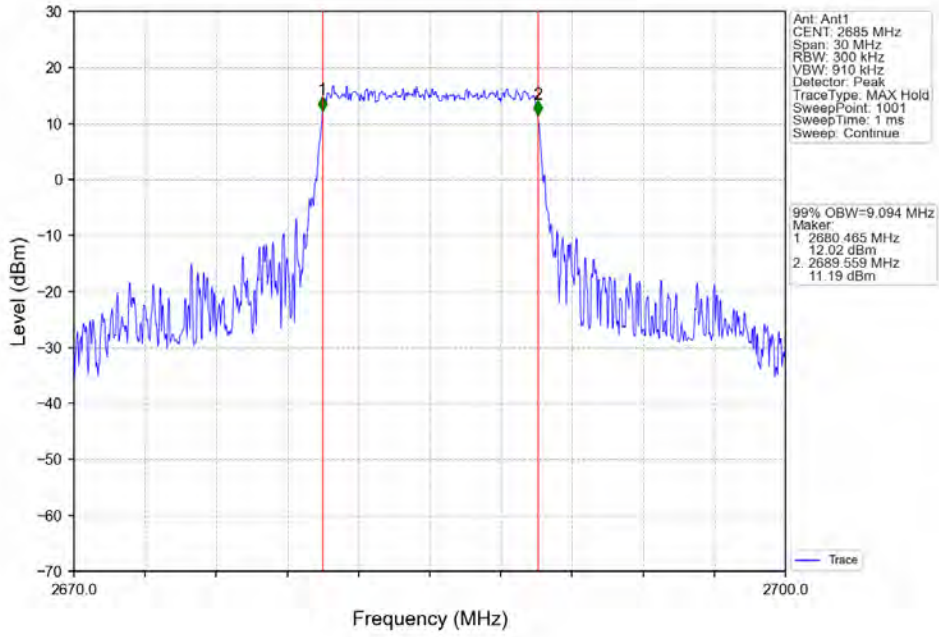


Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV

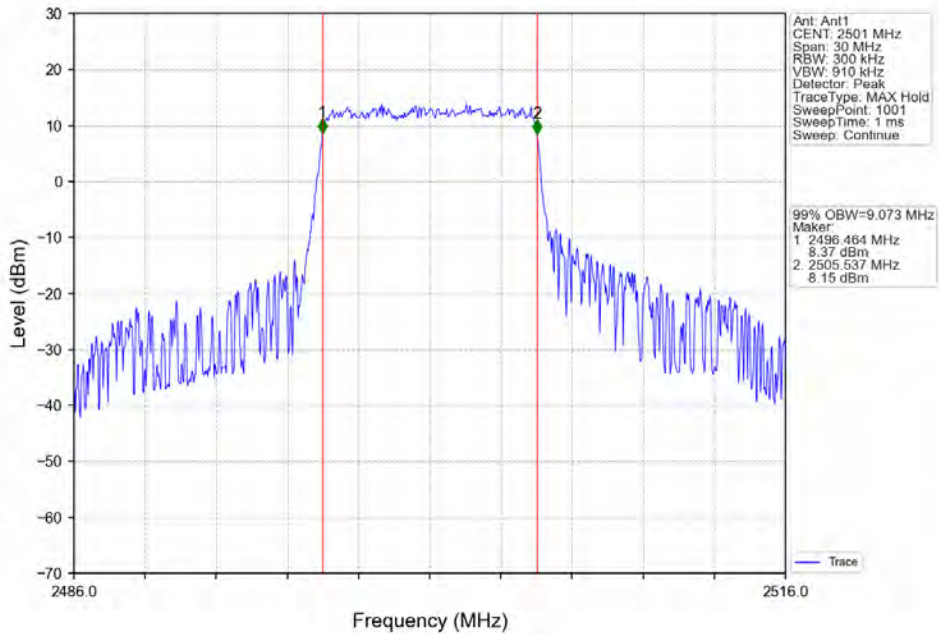




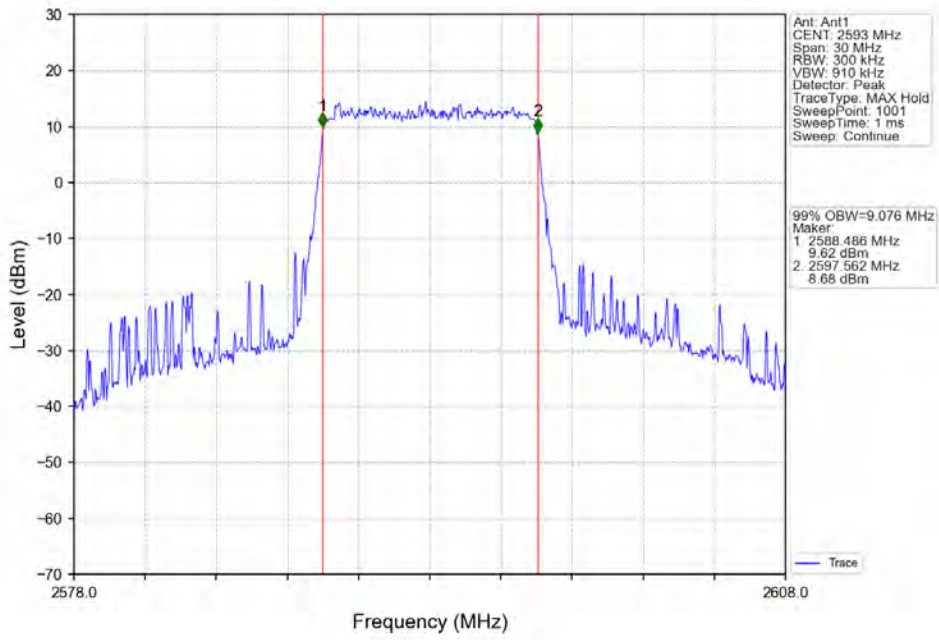
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



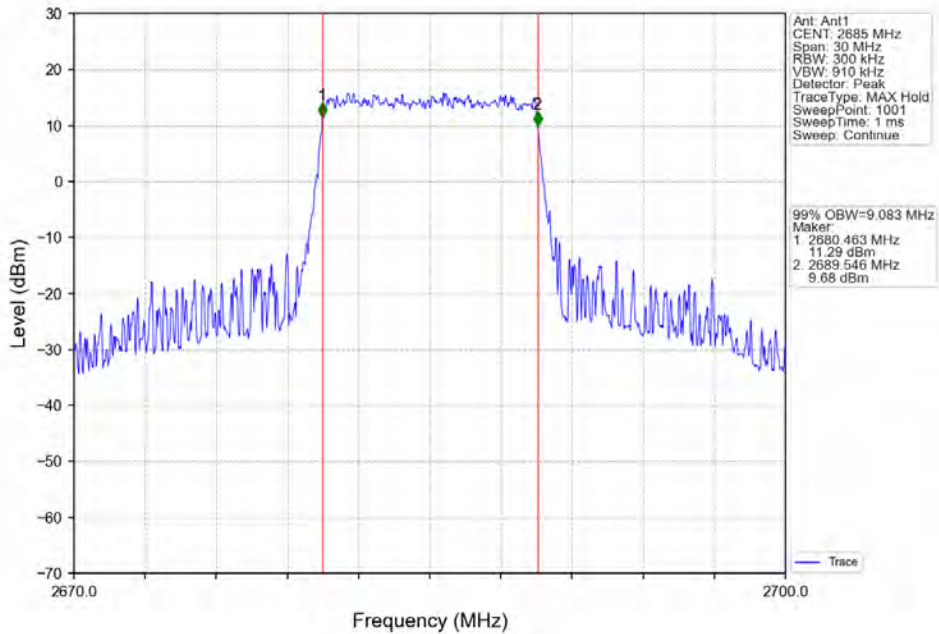
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV

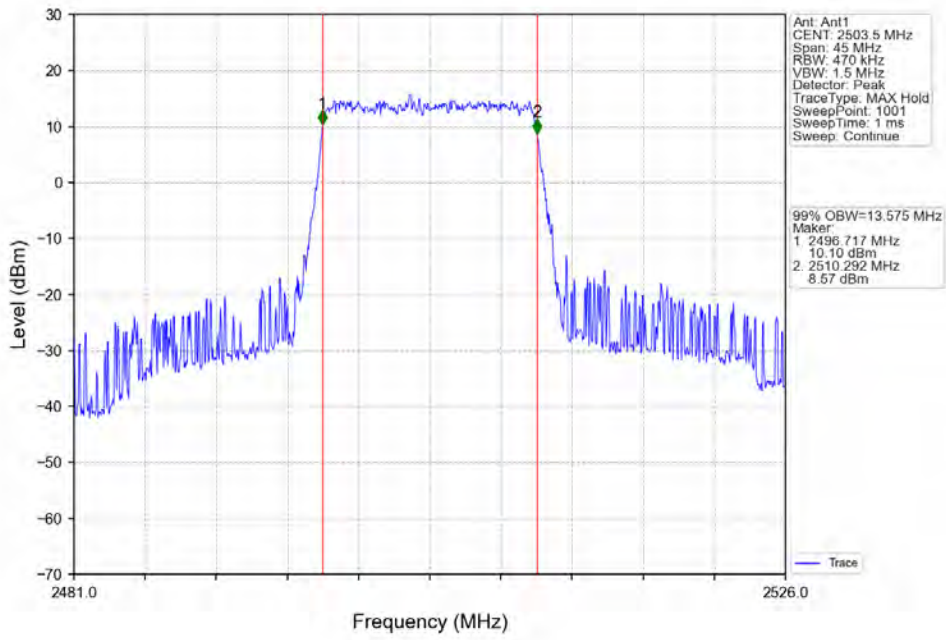


Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV

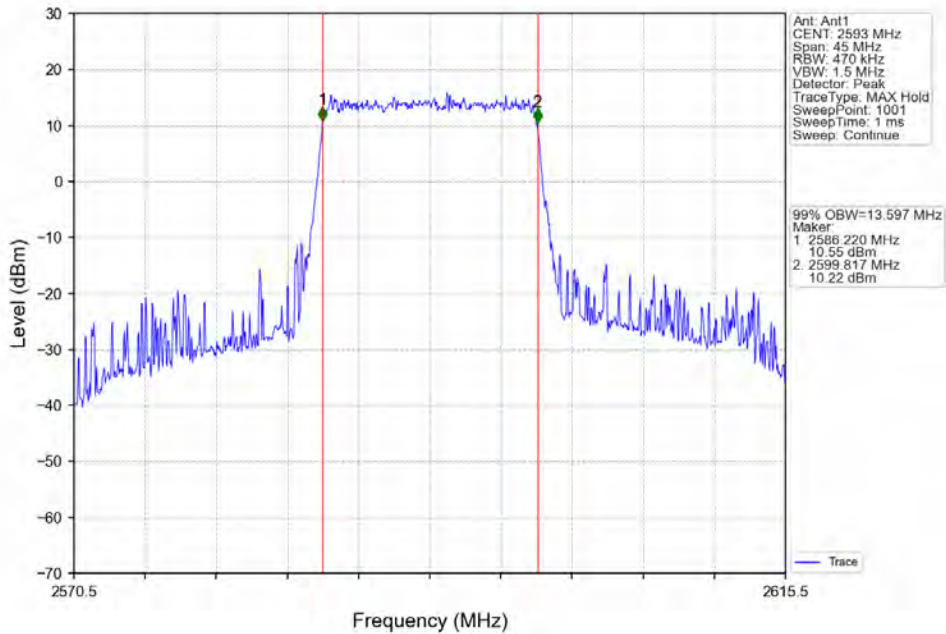




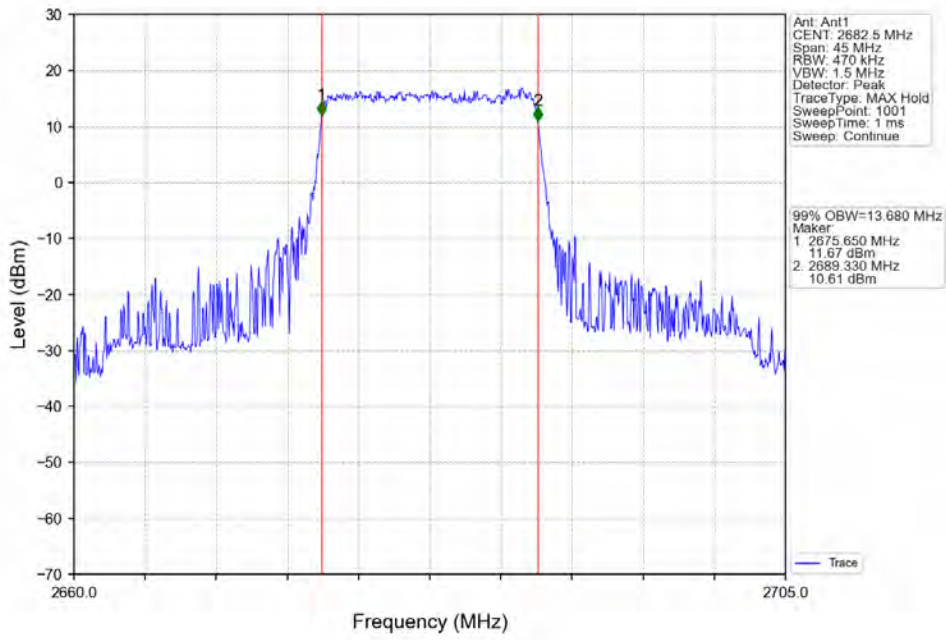
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



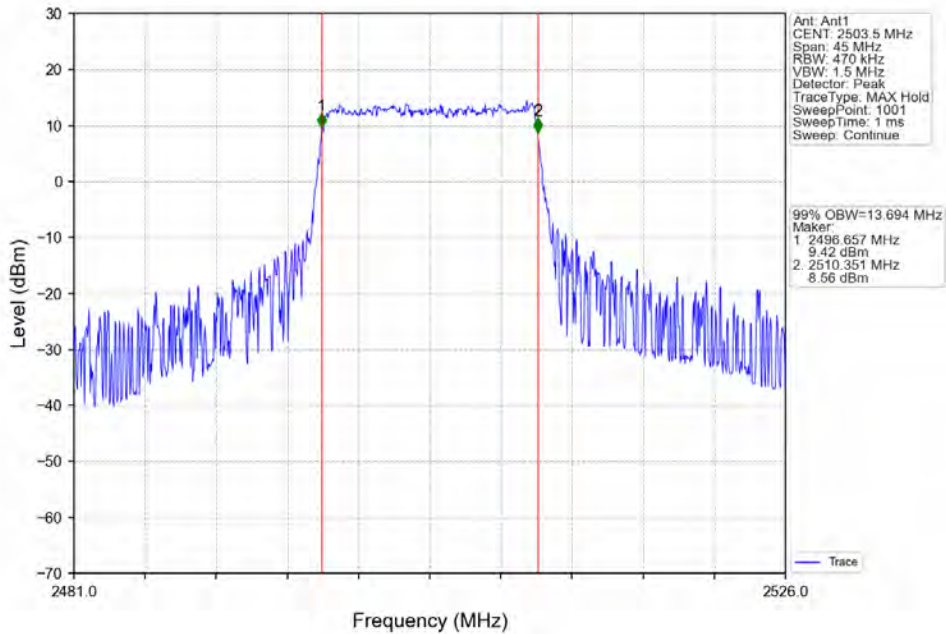
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



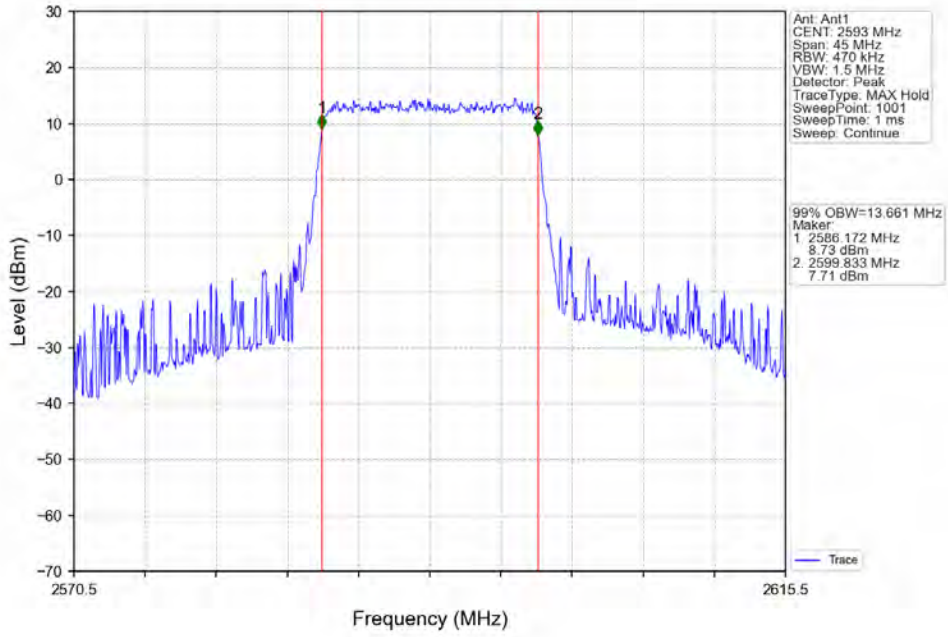
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



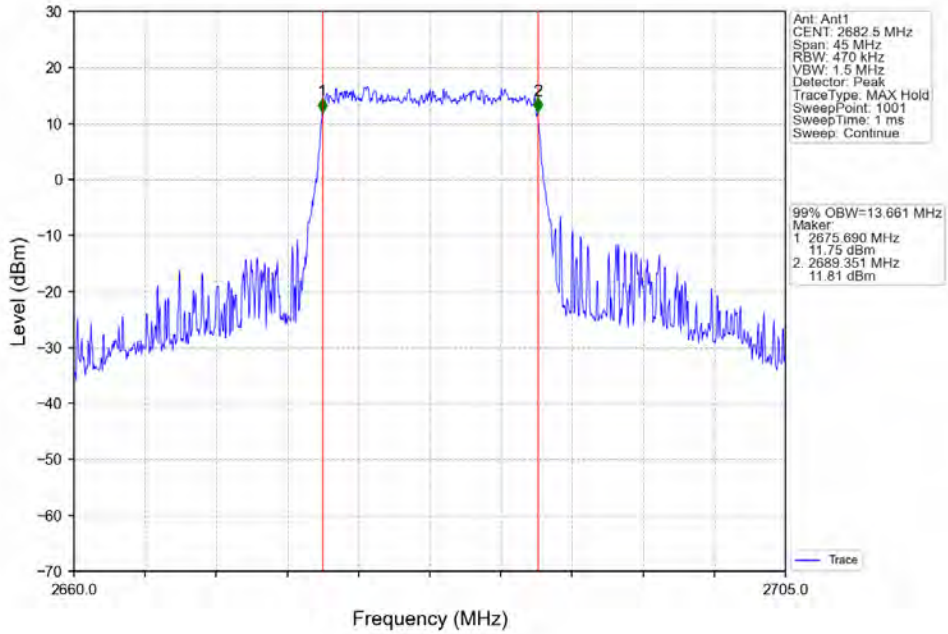
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



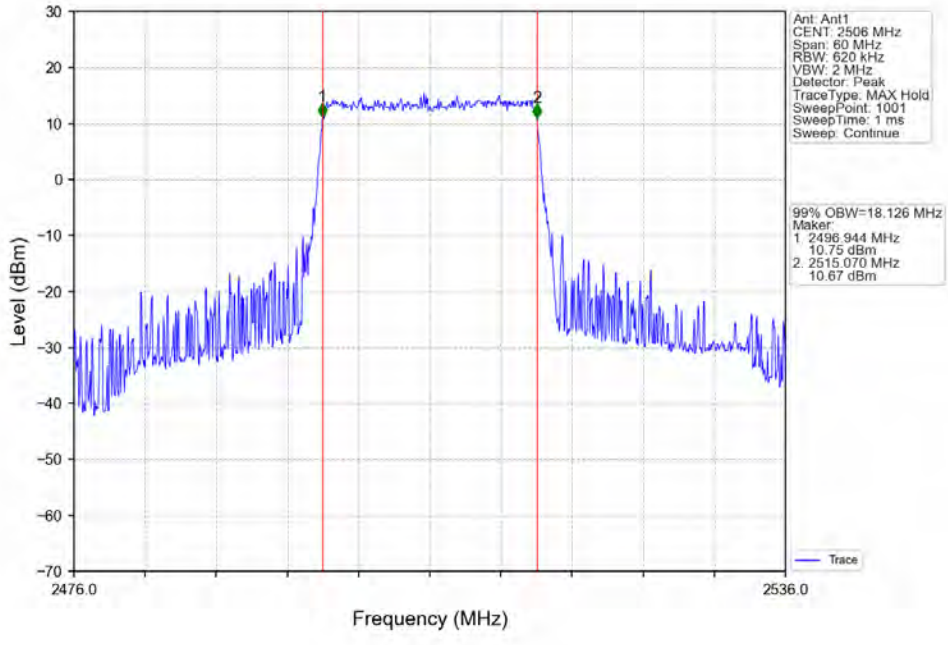
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



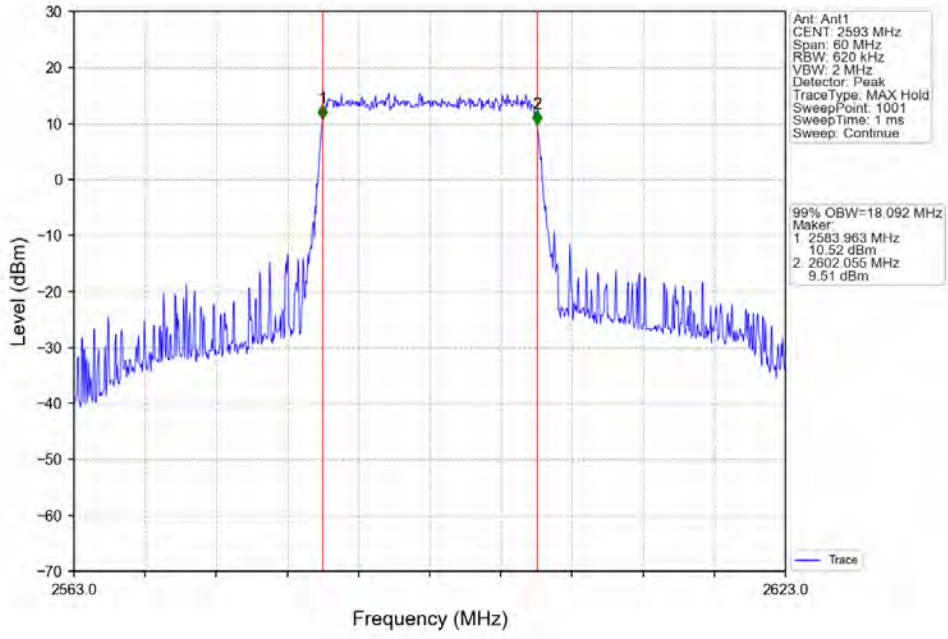
Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



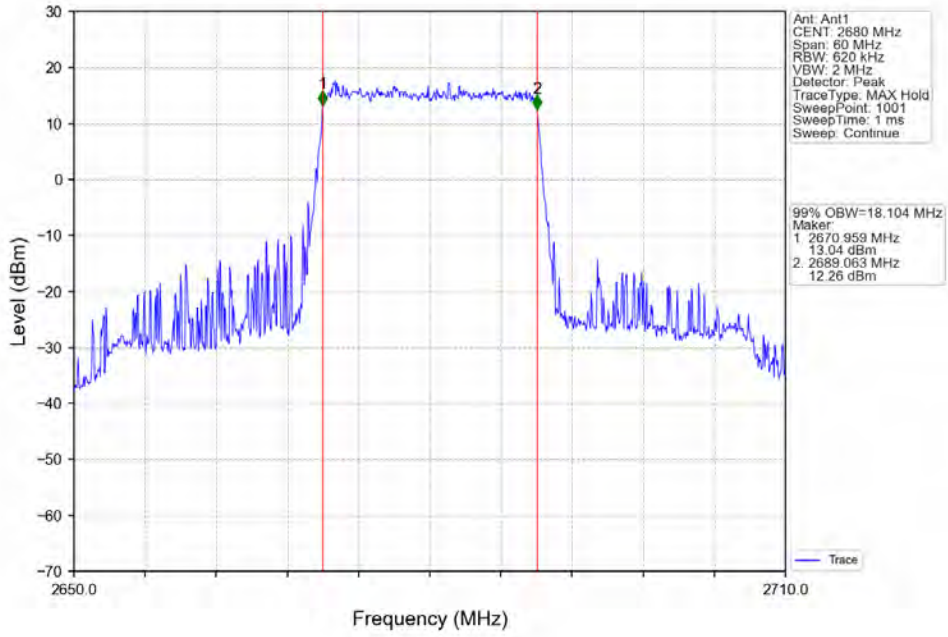
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



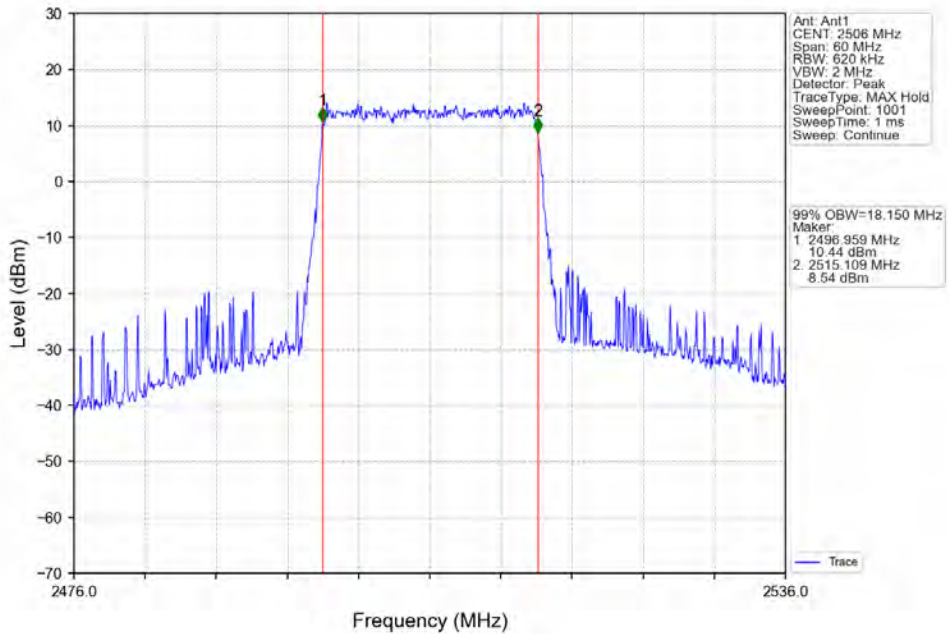
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV

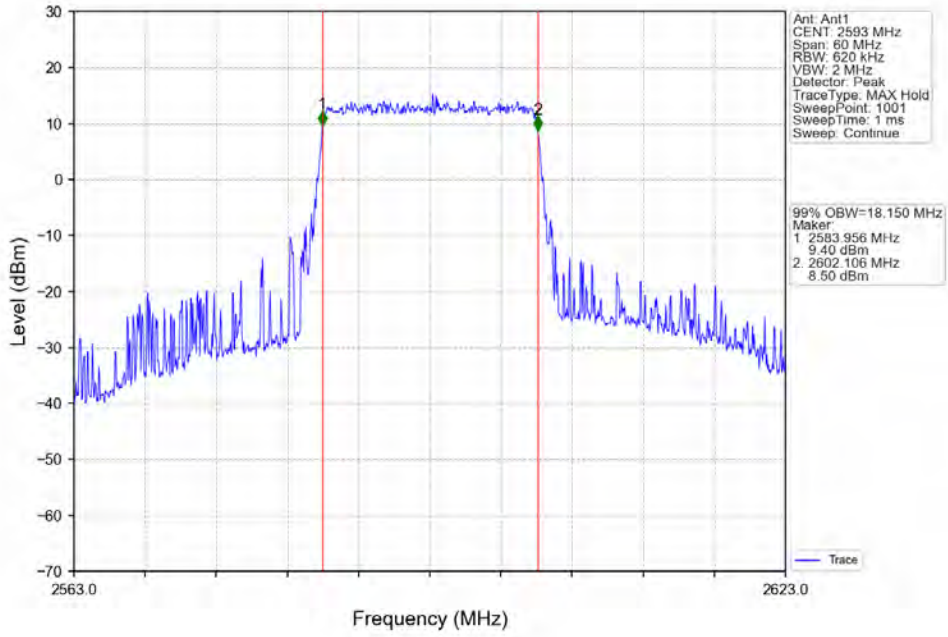


Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV

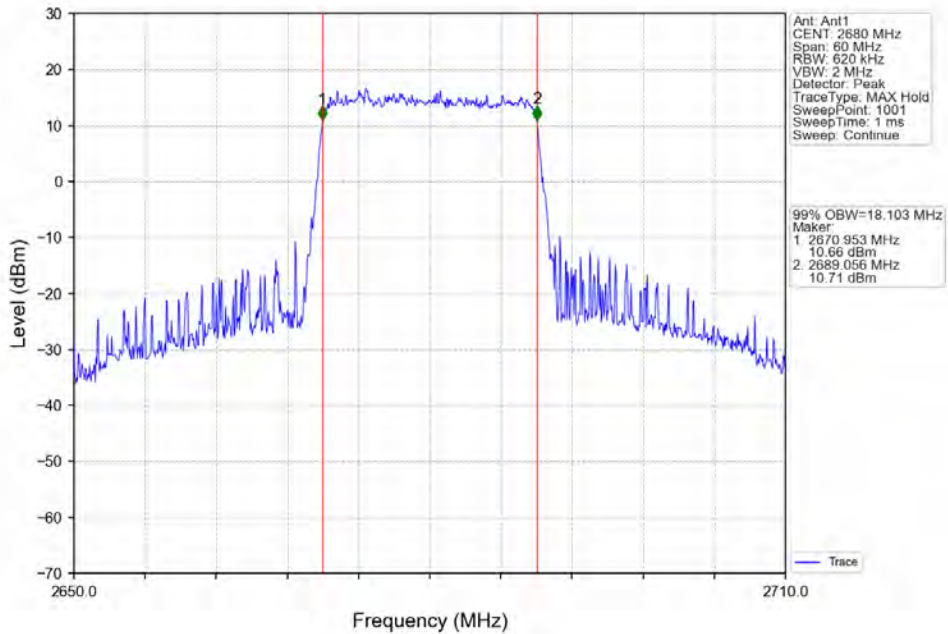




Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV

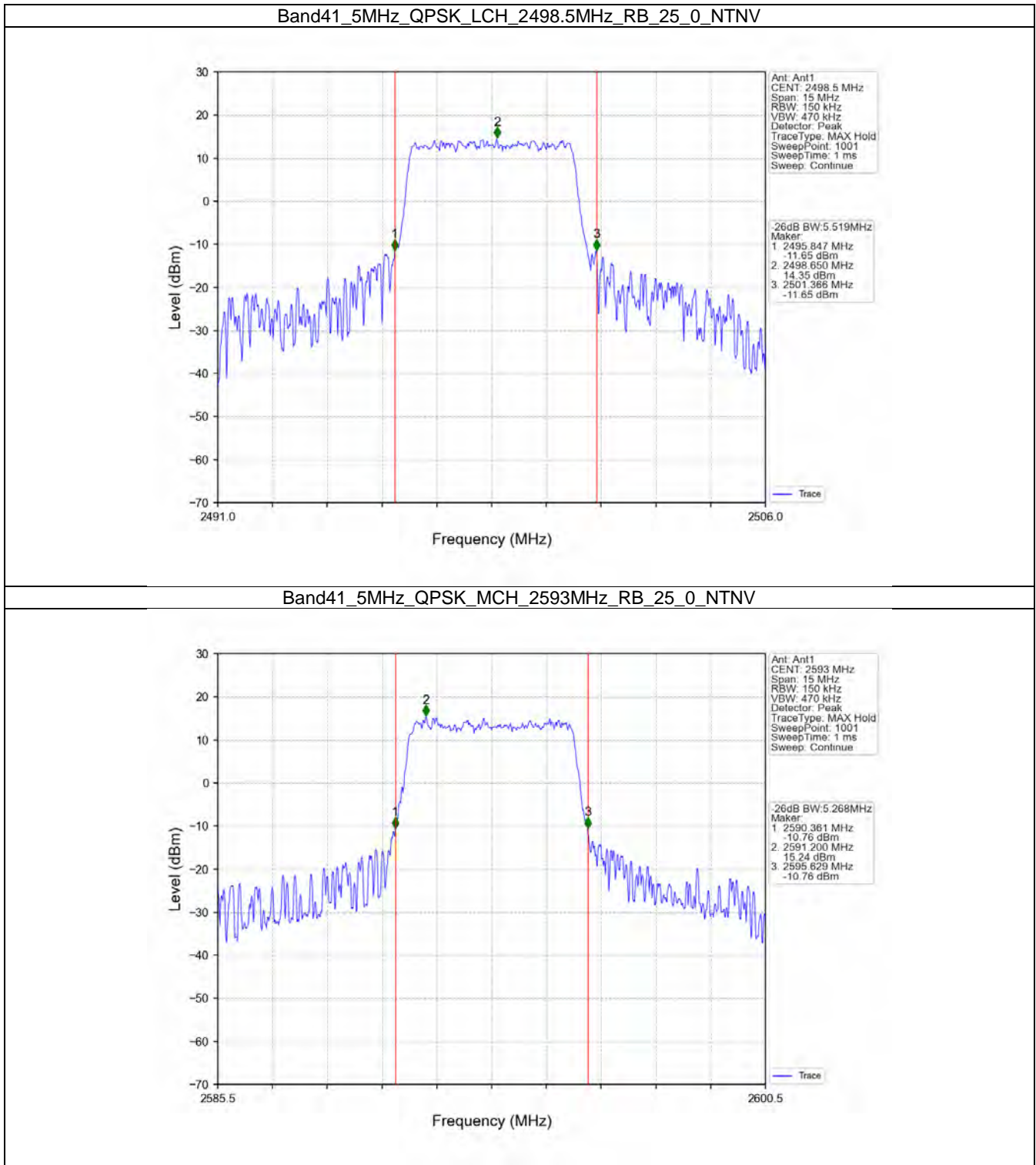


## 4.2 Band41\_XDB

### 4.2.1 Test Result

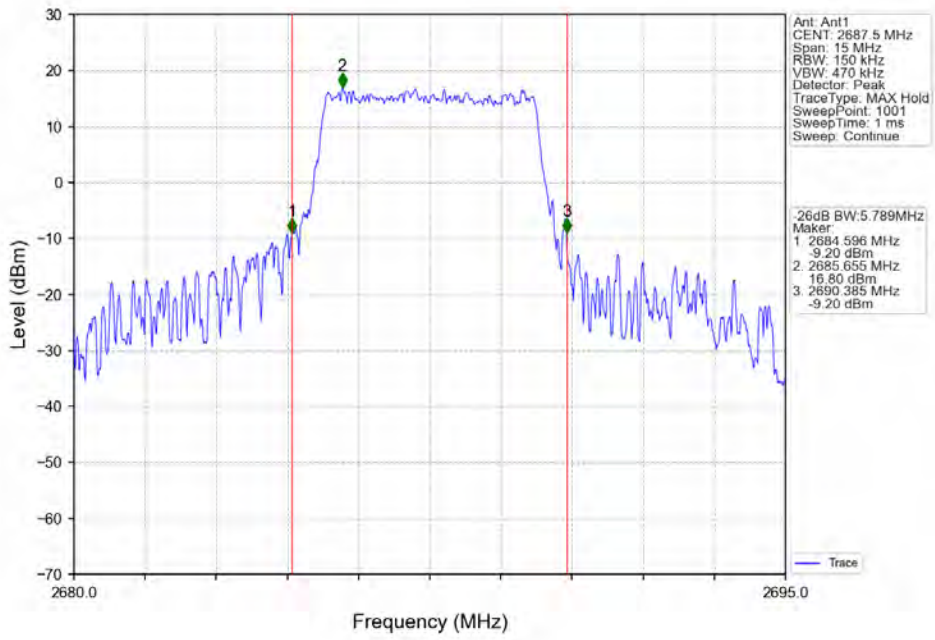
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.519	/	Pass
		2593	25	0	5.268	/	Pass
		2687.5	25	0	5.789	/	Pass
	16QAM	2498.5	25	0	5.265	/	Pass
		2593	25	0	5.490	/	Pass
		2687.5	25	0	5.415	/	Pass
10	QPSK	2501	50	0	10.609	/	Pass
		2593	50	0	10.278	/	Pass
		2685	50	0	11.036	/	Pass
	16QAM	2501	50	0	11.406	/	Pass
		2593	50	0	10.159	/	Pass
		2685	50	0	10.423	/	Pass
15	QPSK	2503.5	75	0	15.405	/	Pass
		2593	75	0	15.163	/	Pass
		2682.5	75	0	16.532	/	Pass
	16QAM	2503.5	75	0	17.848	/	Pass
		2593	75	0	16.104	/	Pass
		2682.5	75	0	16.772	/	Pass
20	QPSK	2506	100	0	21.917	/	Pass
		2593	100	0	20.472	/	Pass
		2680	100	0	20.717	/	Pass
	16QAM	2506	100	0	19.977	/	Pass
		2593	100	0	22.116	/	Pass
		2680	100	0	20.050	/	Pass

### 4.2.2 Test Graph

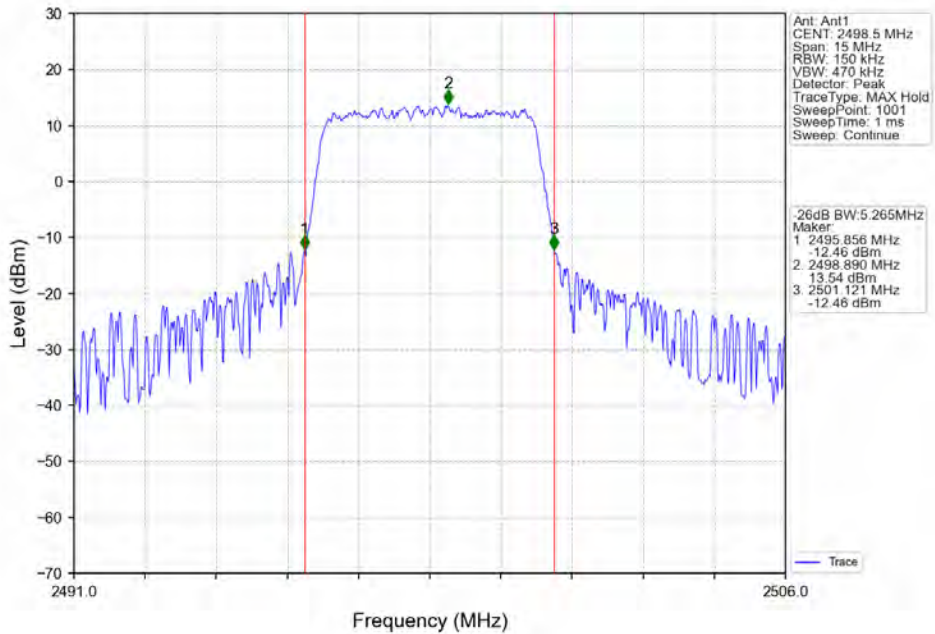




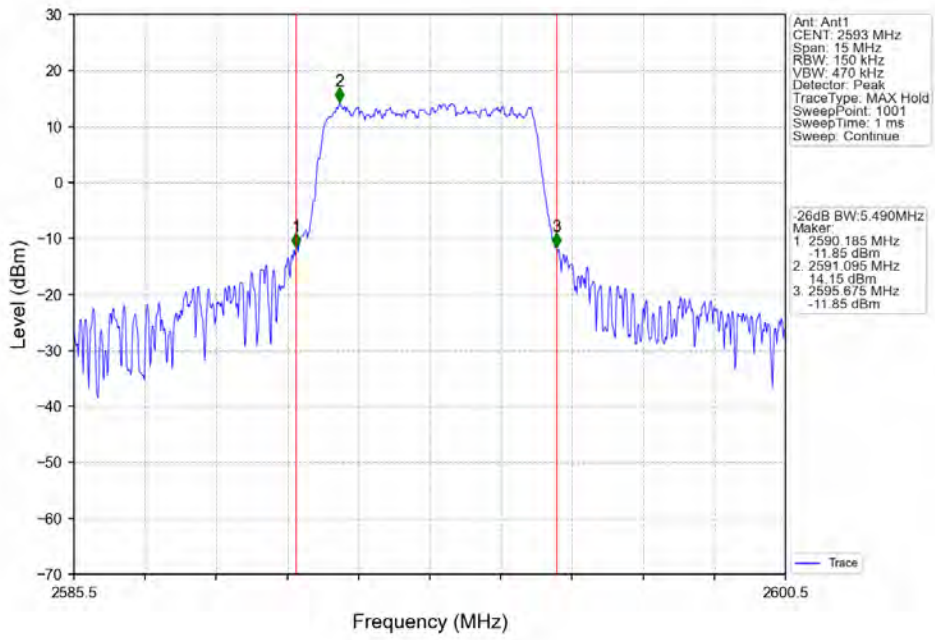
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



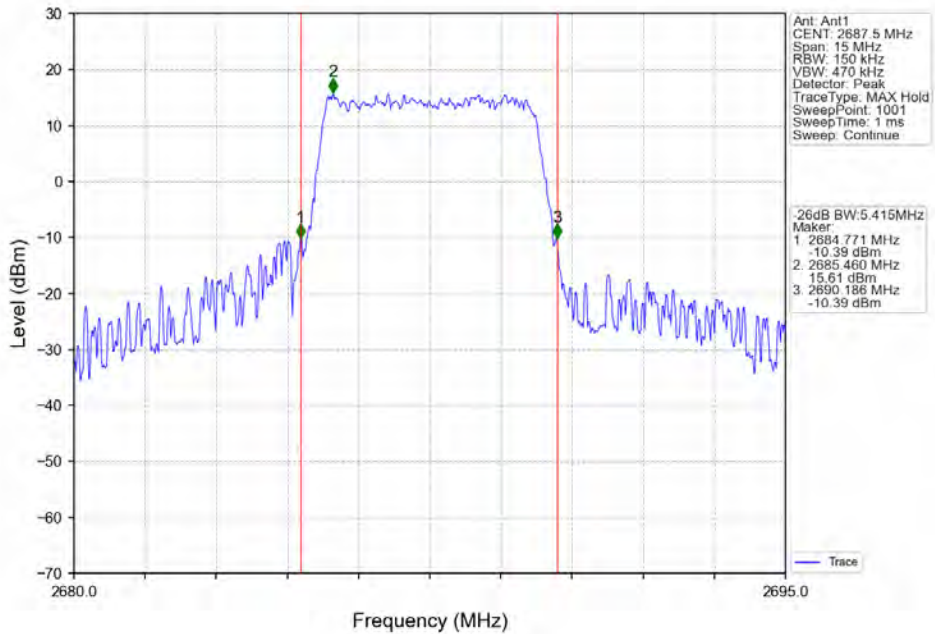
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



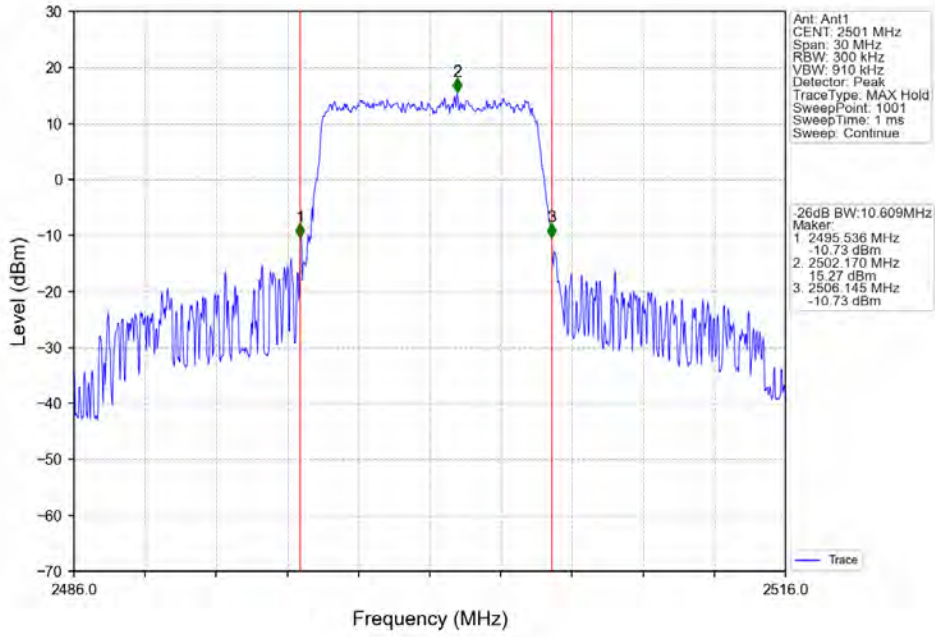
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



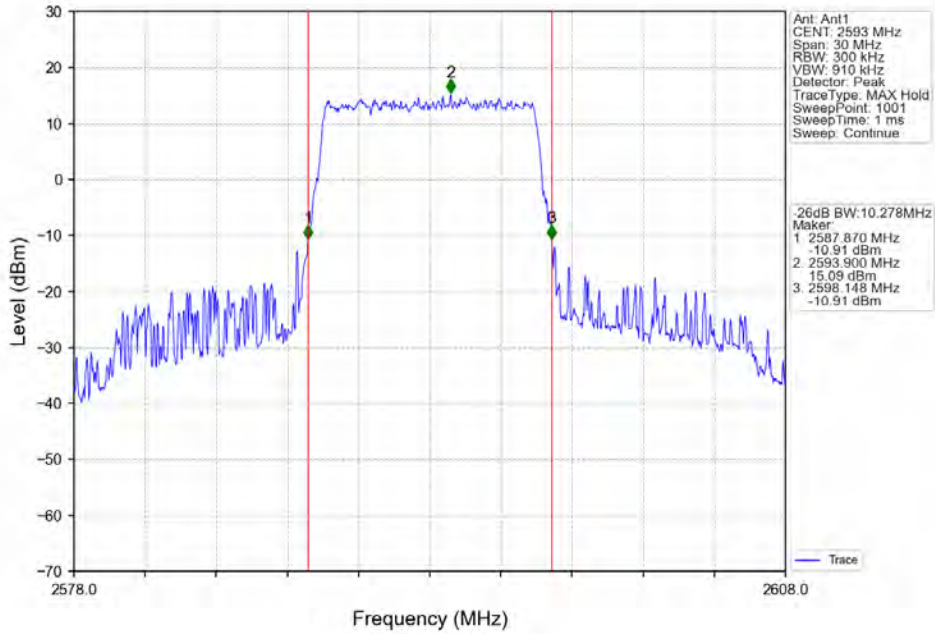
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



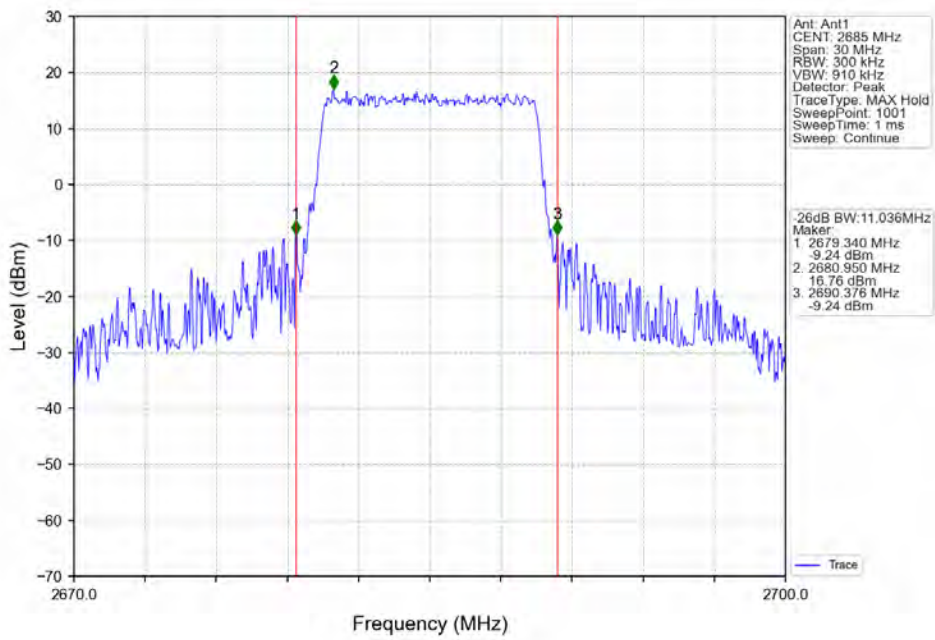
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



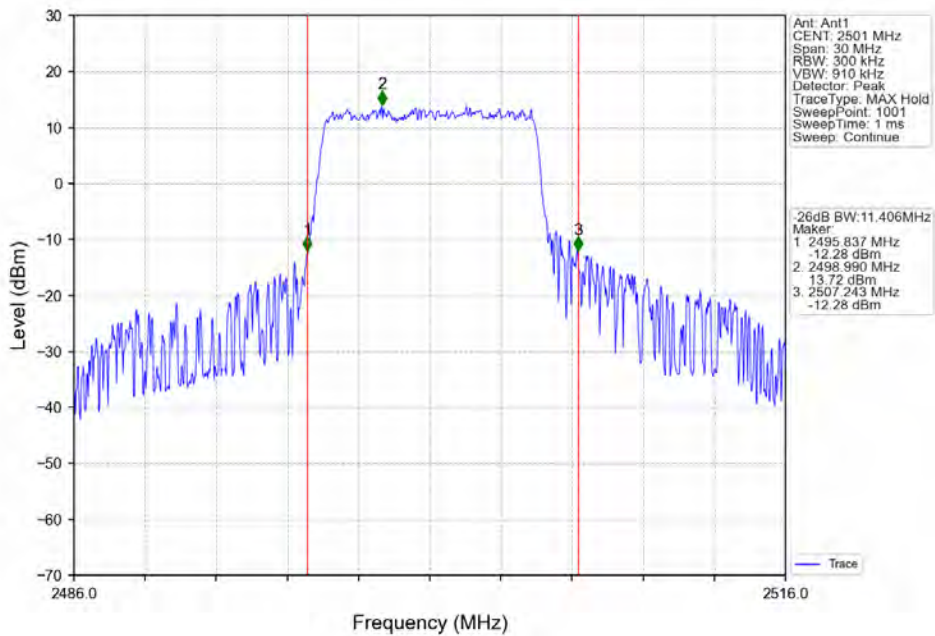
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



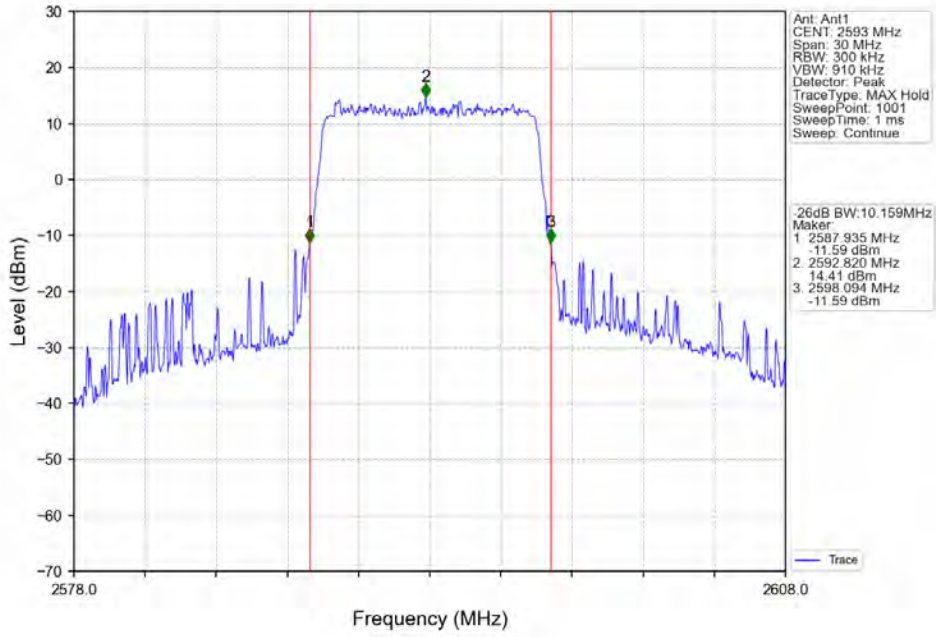
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



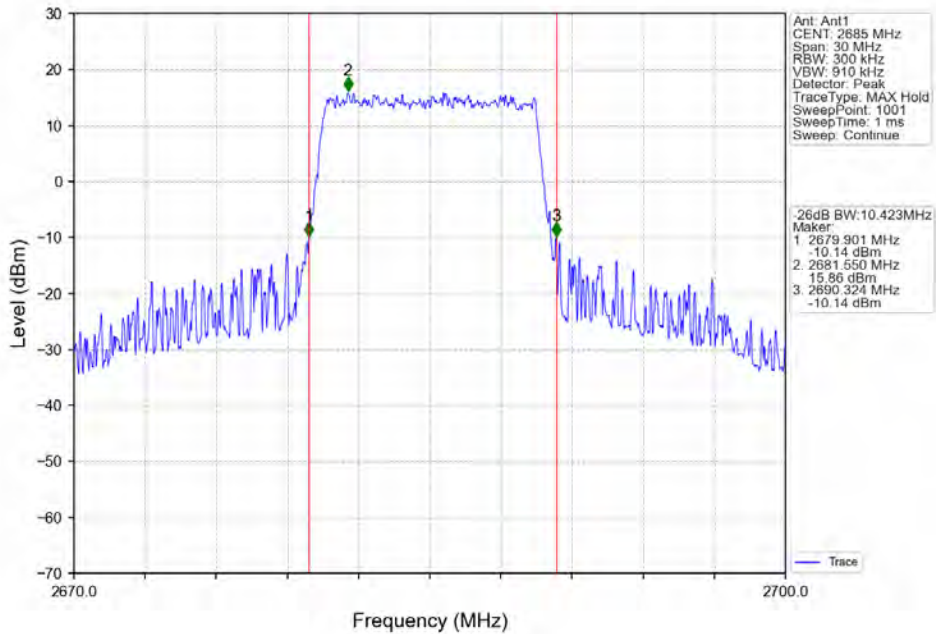
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV

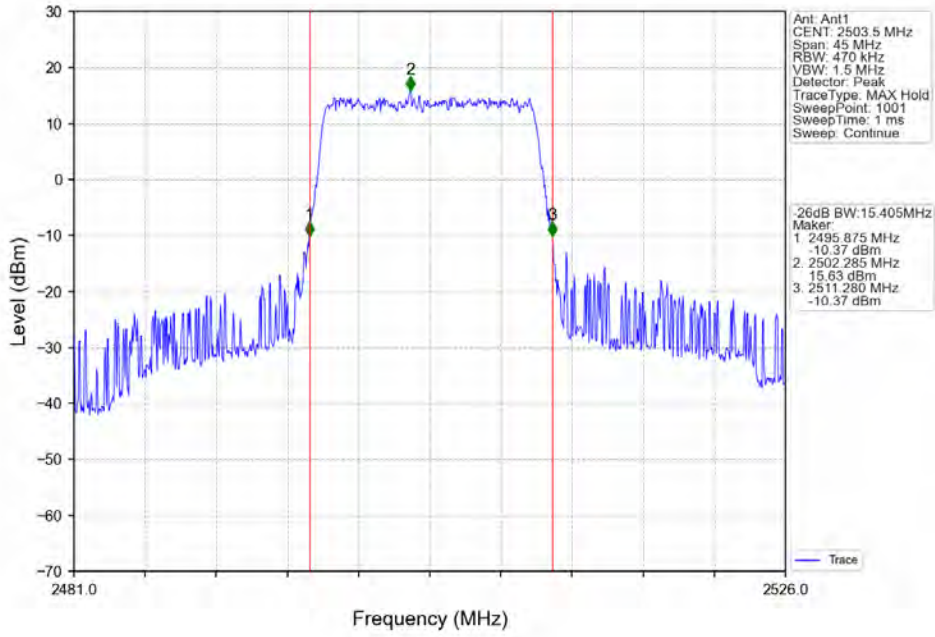


Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV

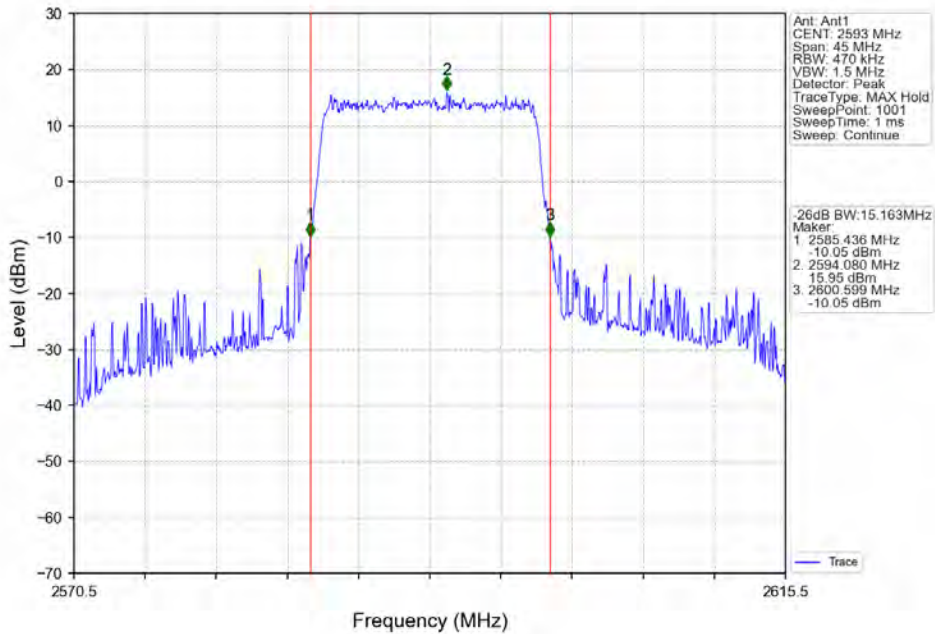




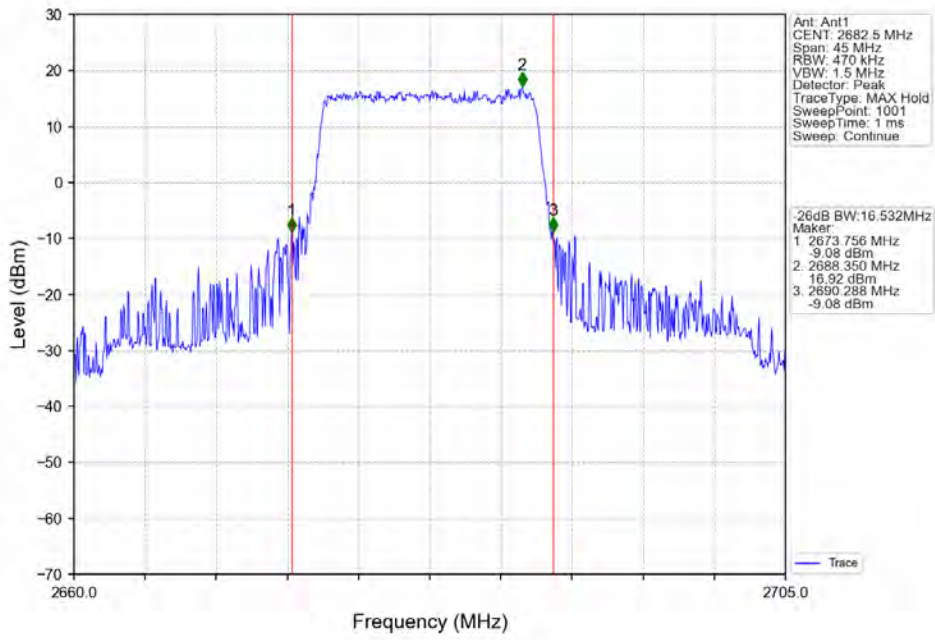
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



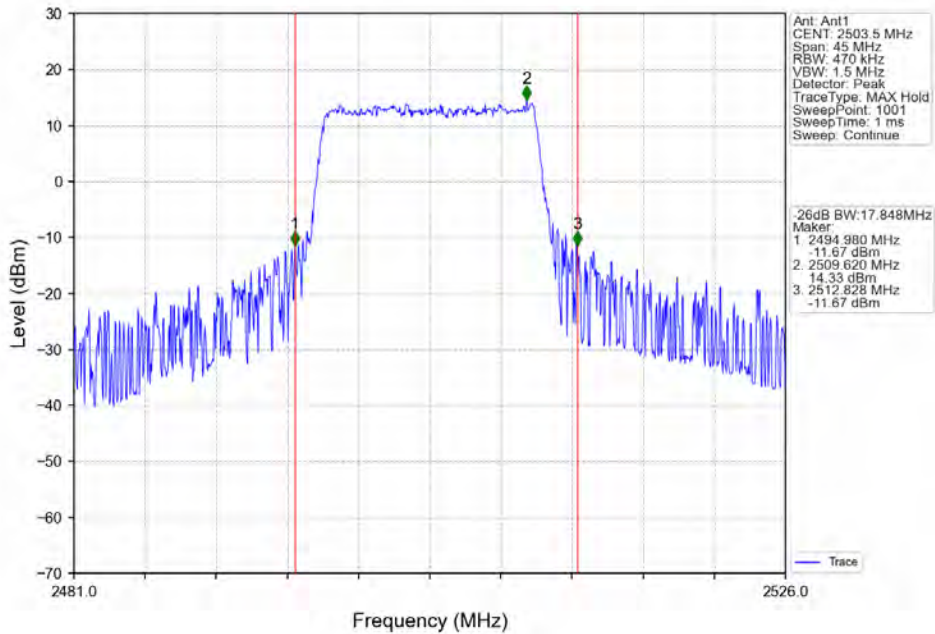
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



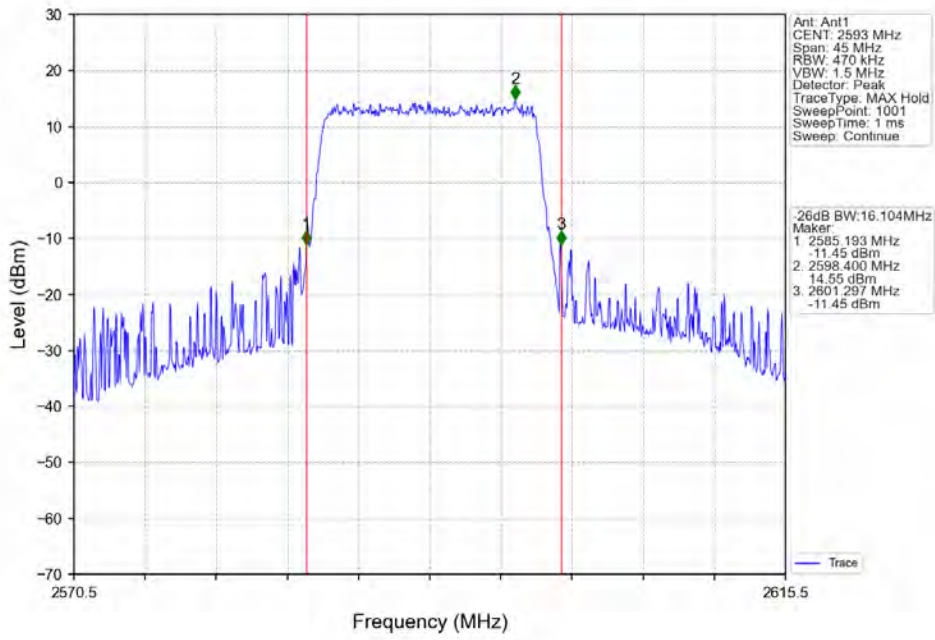
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



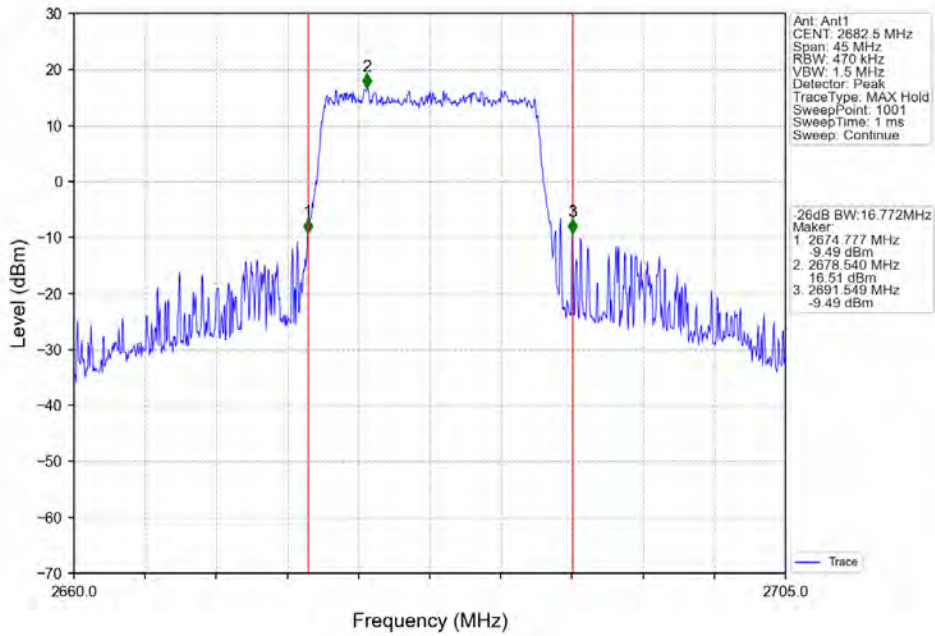
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV

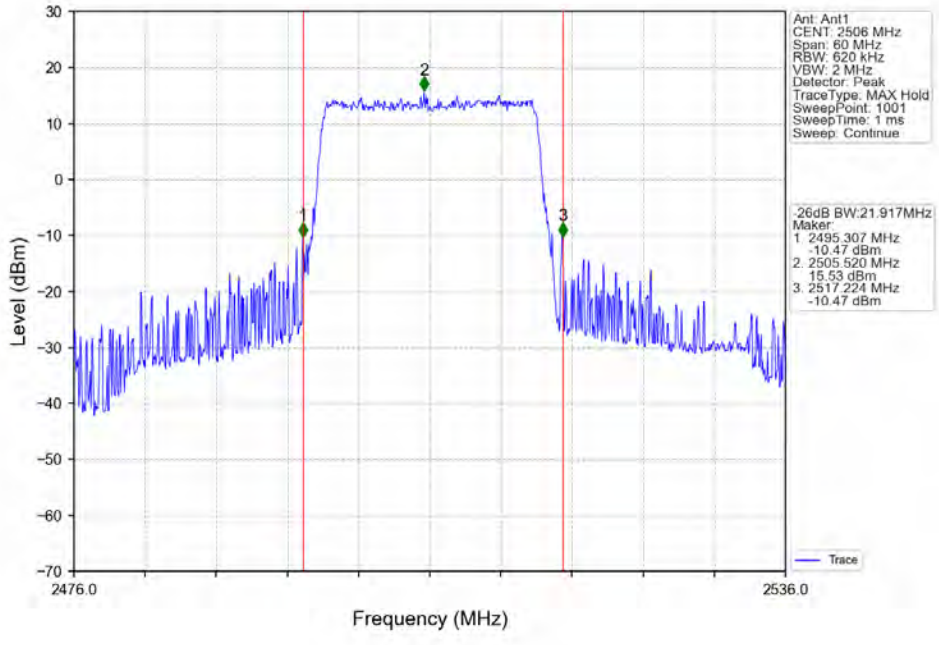


Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV

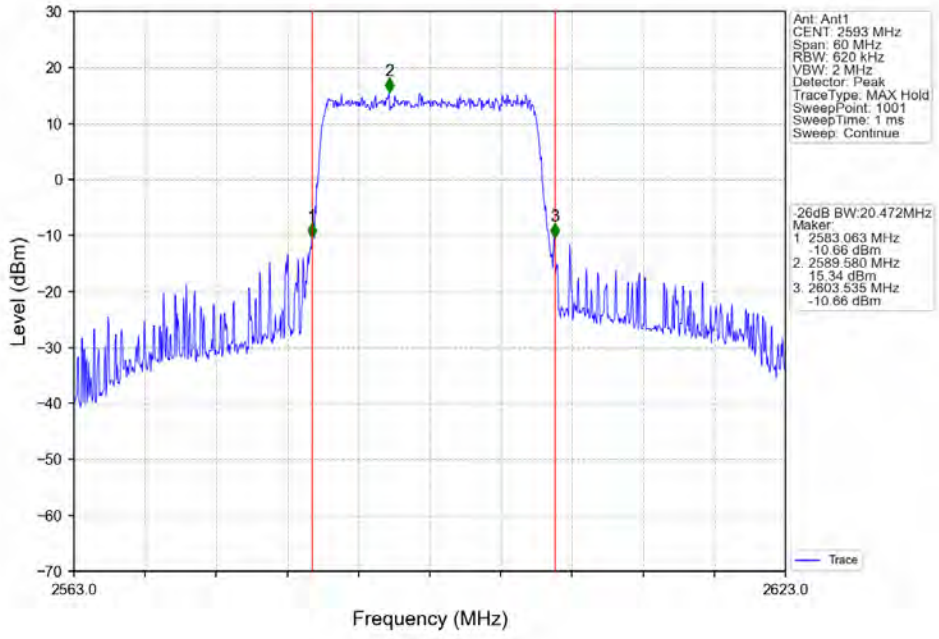




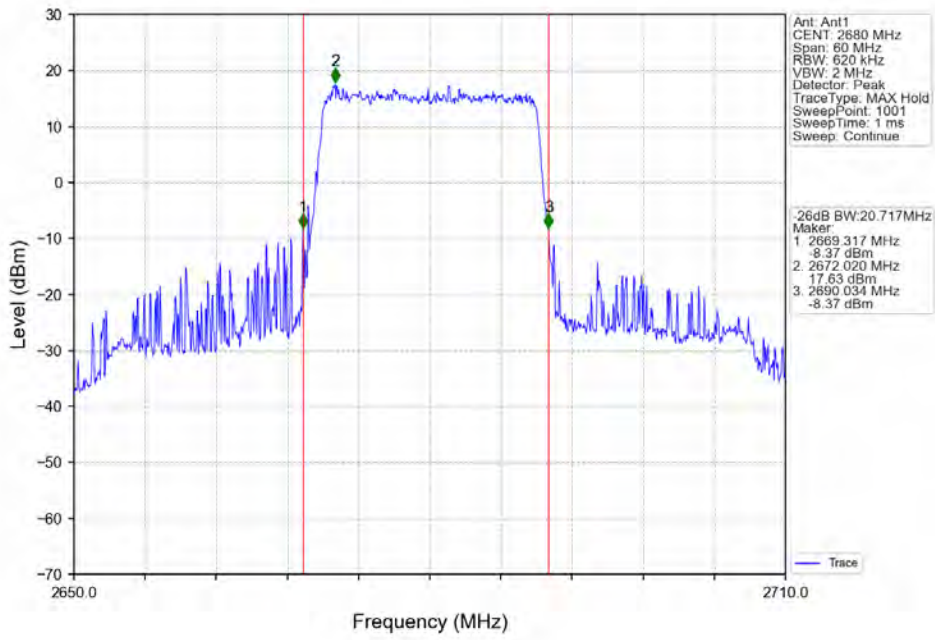
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



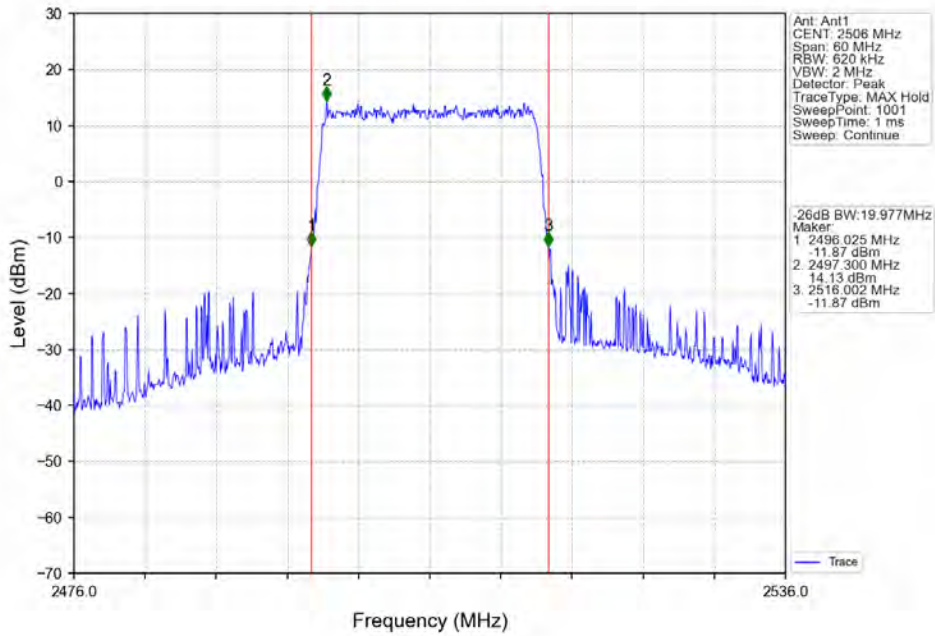
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV



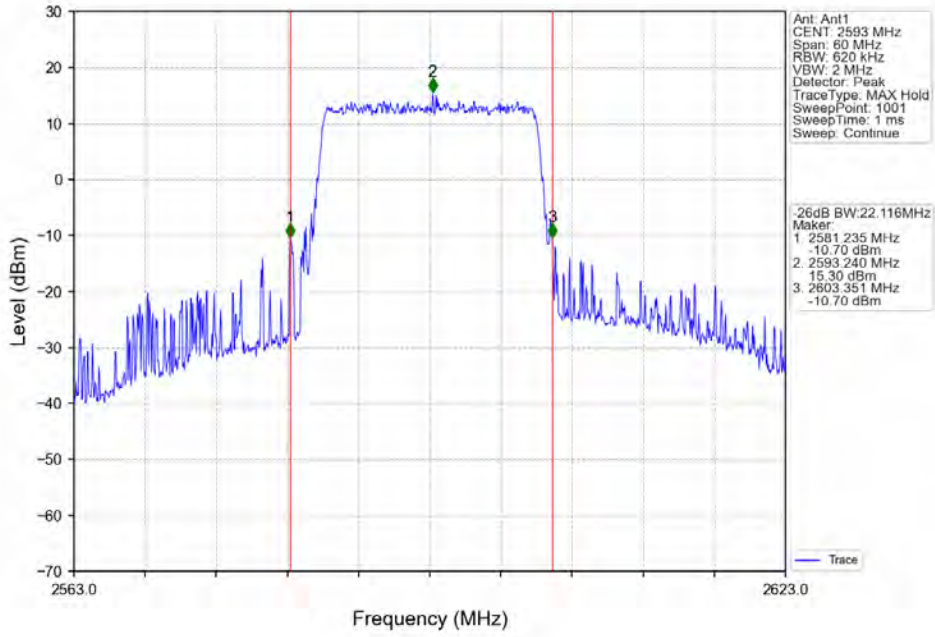
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



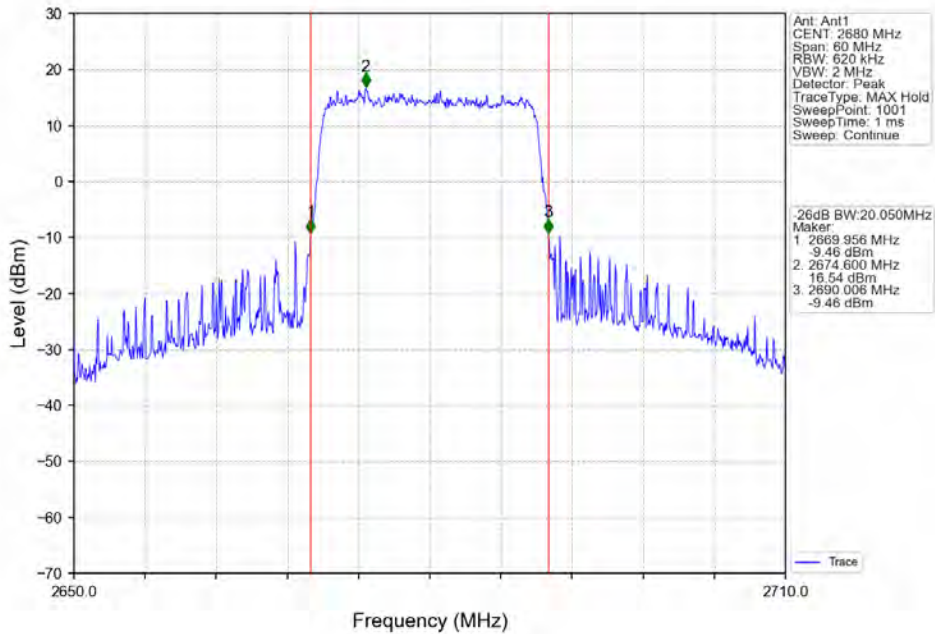
Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV



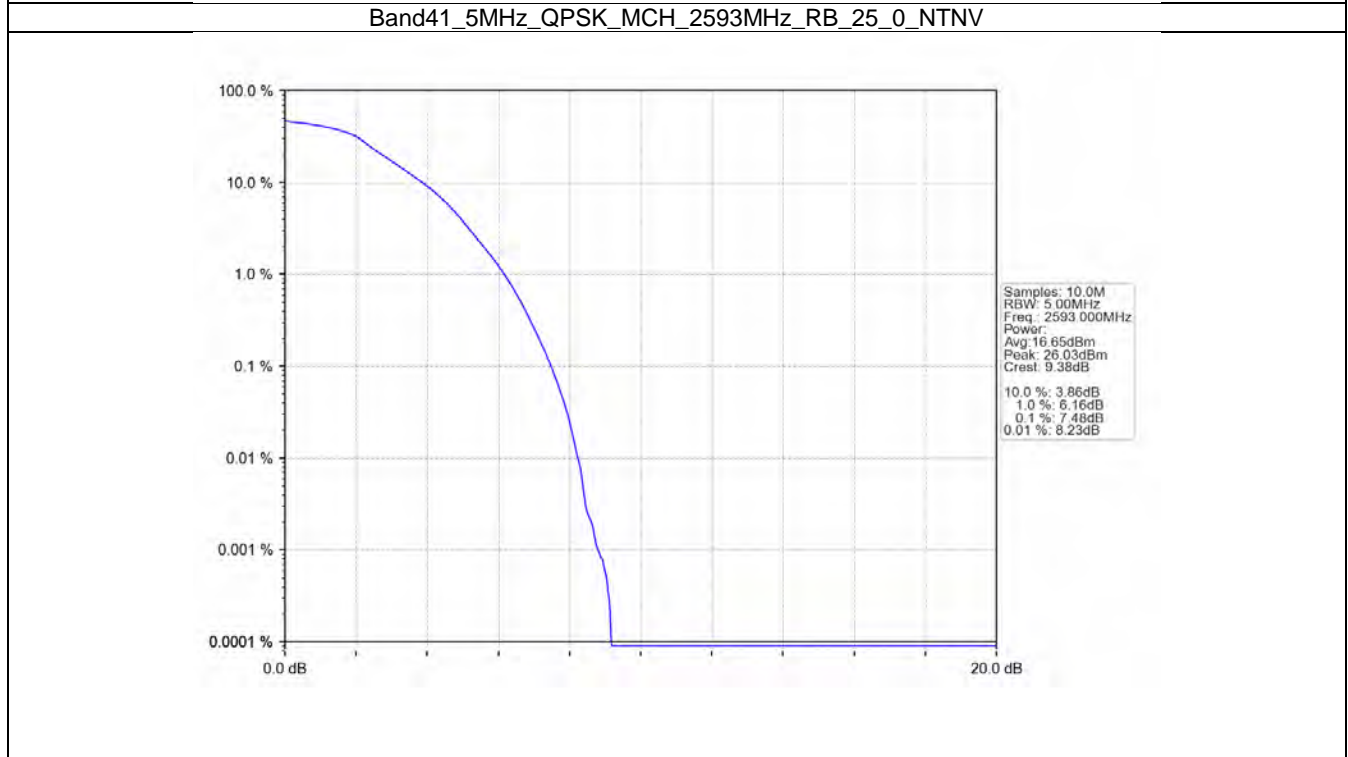
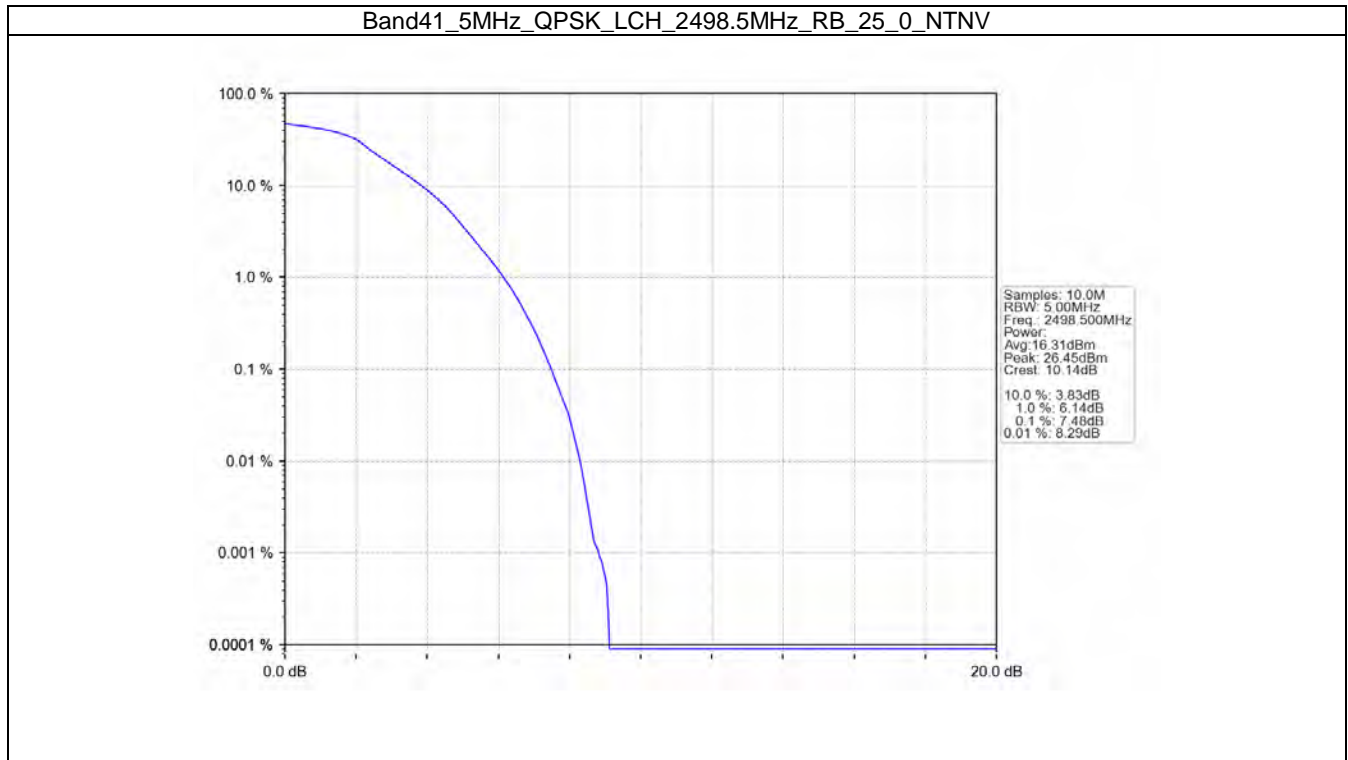
## 5. Peak-Average Ratio

### 5.1 B41\_5MHz

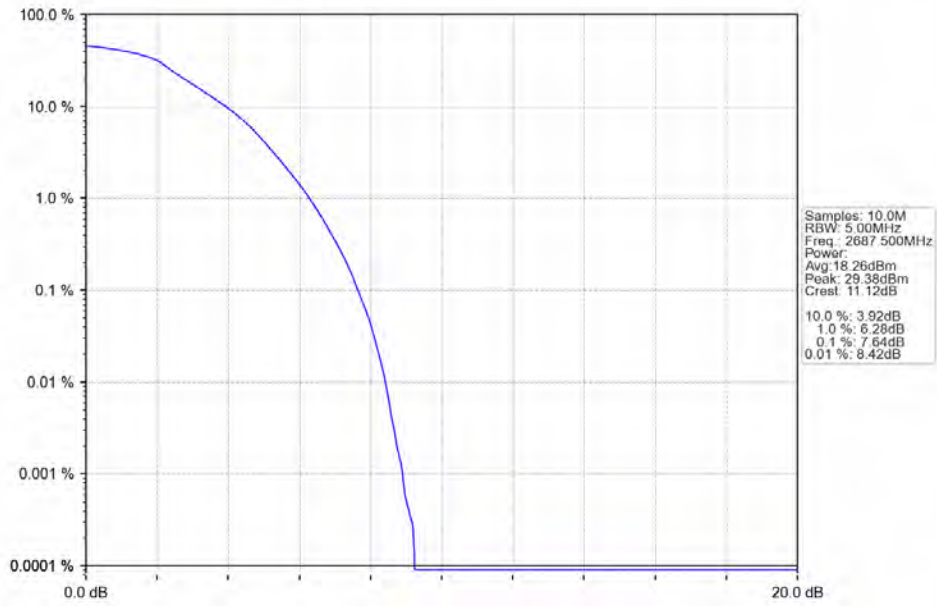
#### 5.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	7.48	<=13	Pass
	2593	25	0	7.48	<=13	Pass
	2687.5	25	0	7.64	<=13	Pass
16QAM	2498.5	25	0	8.29	<=13	Pass
	2593	25	0	8.23	<=13	Pass
	2687.5	25	0	8.43	<=13	Pass

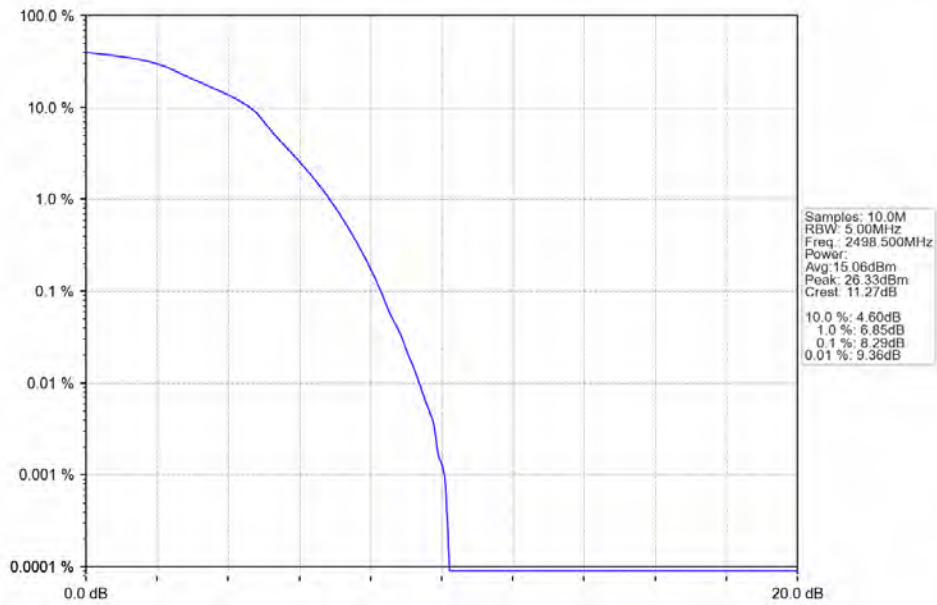
### 5.1.2 Test Graph



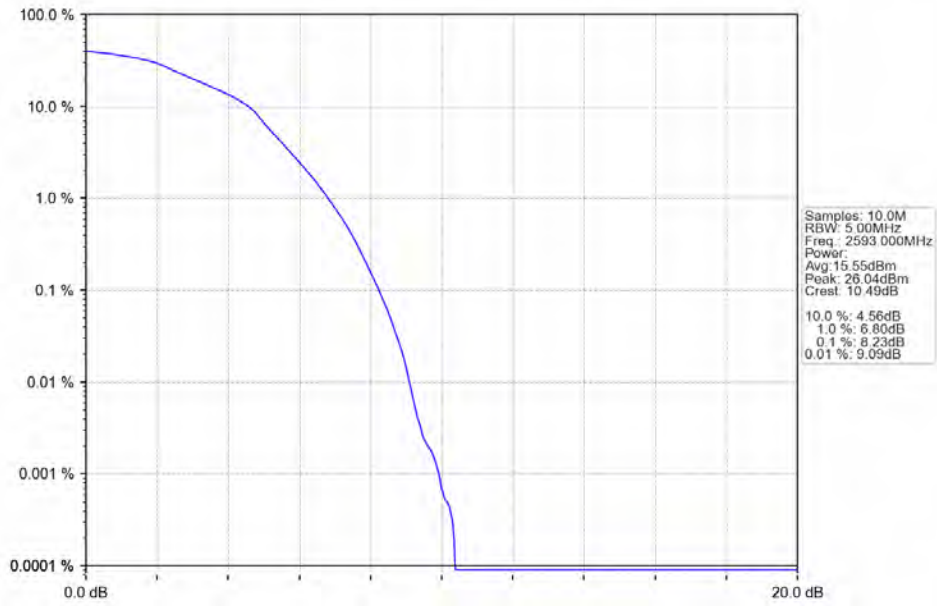
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



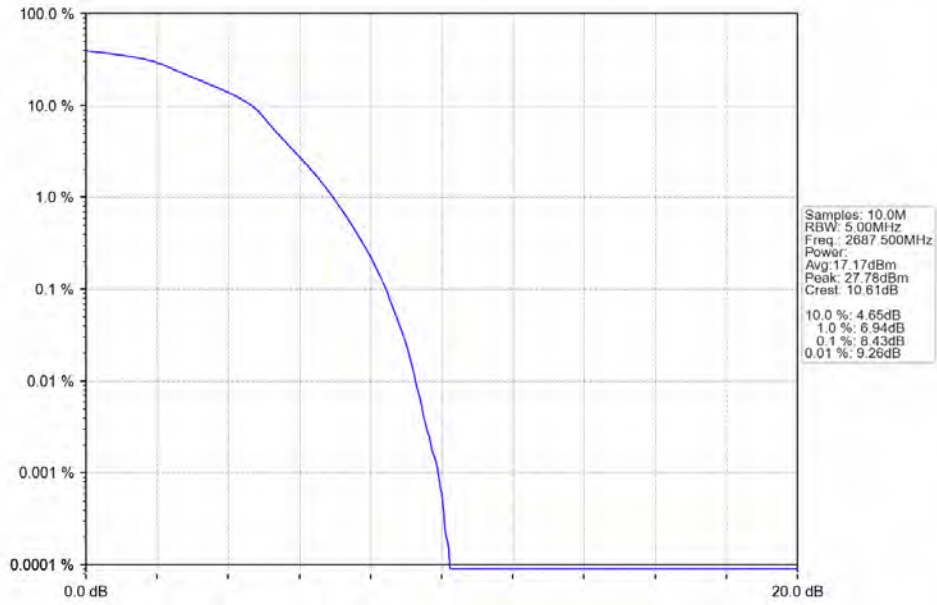
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



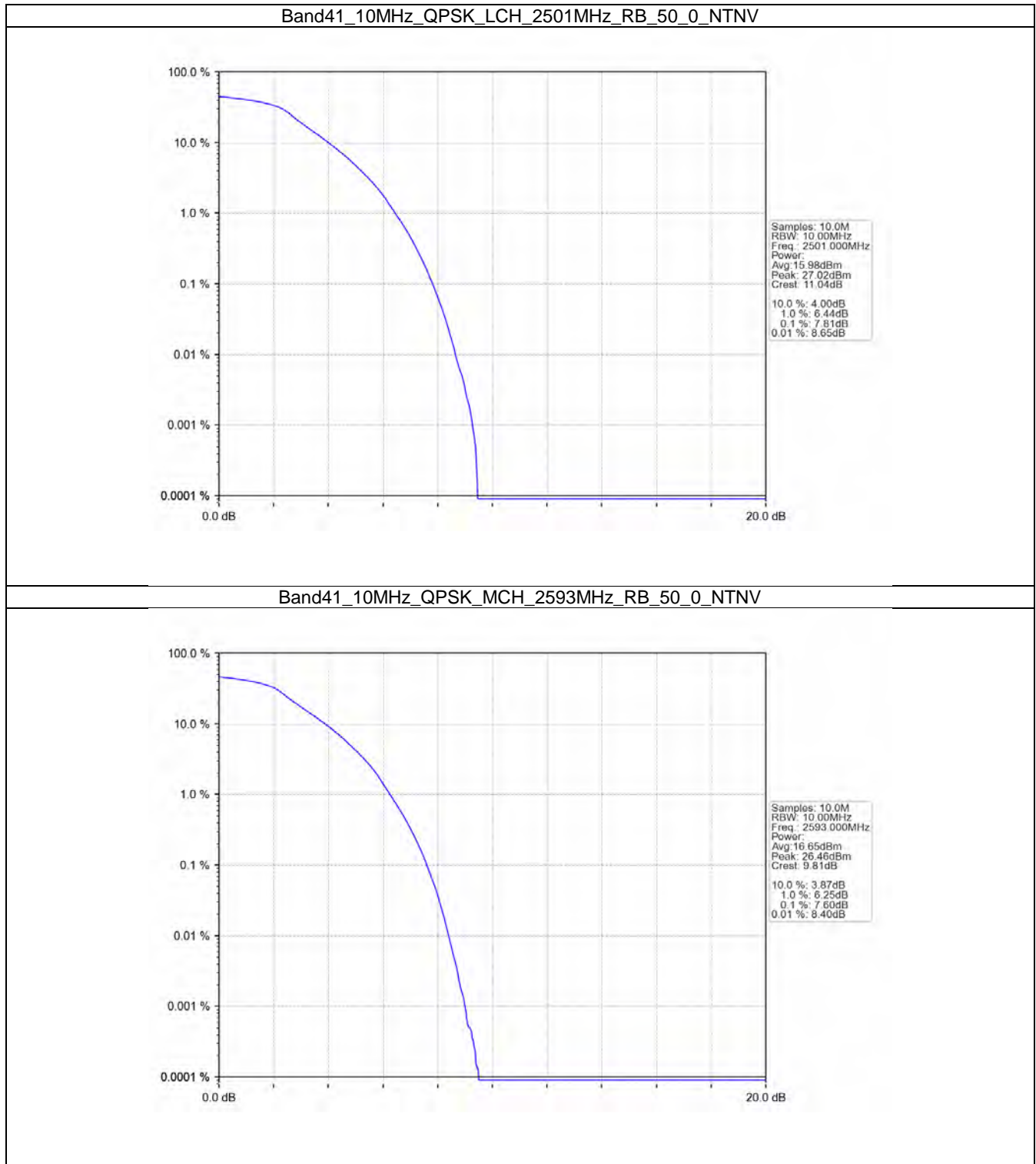
## 5.2 B41\_10MHz

### 5.2.1 Test Result

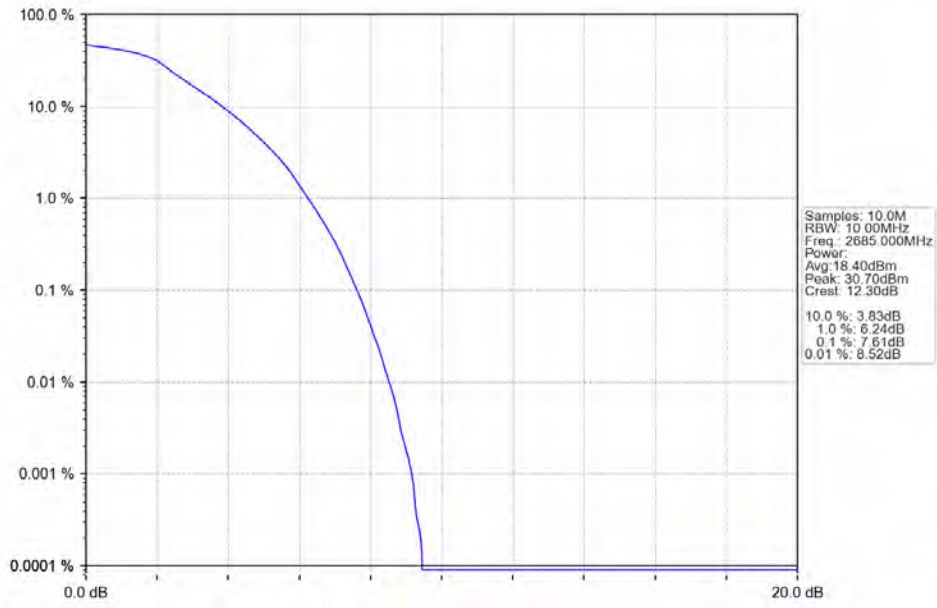
Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	50	0	7.81	<=13	Pass
	2593	50	0	7.60	<=13	Pass
	2685	50	0	7.61	<=13	Pass
16QAM	2501	50	0	8.32	<=13	Pass
	2593	50	0	8.35	<=13	Pass
	2685	50	0	8.42	<=13	Pass



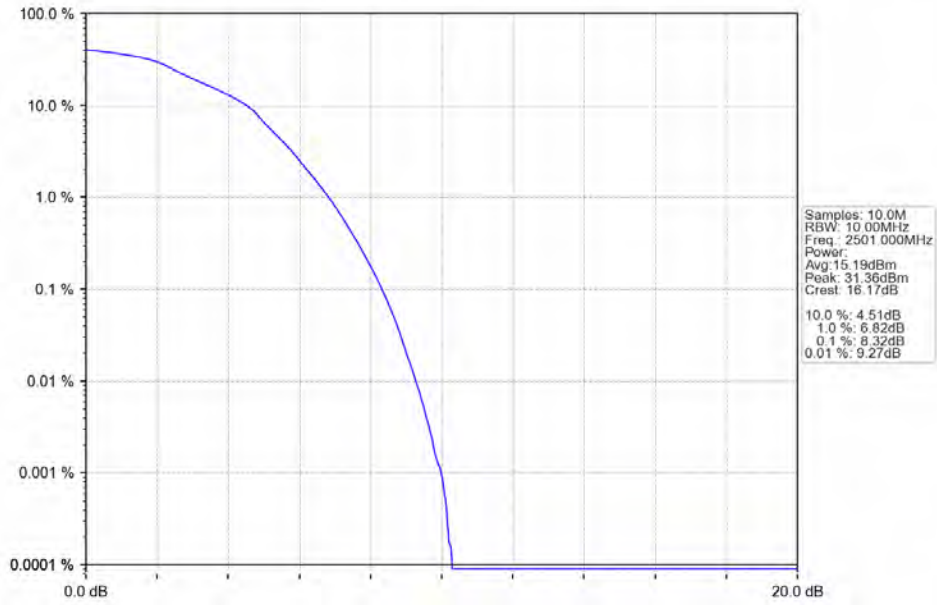
## 5.2.2 Test Graph



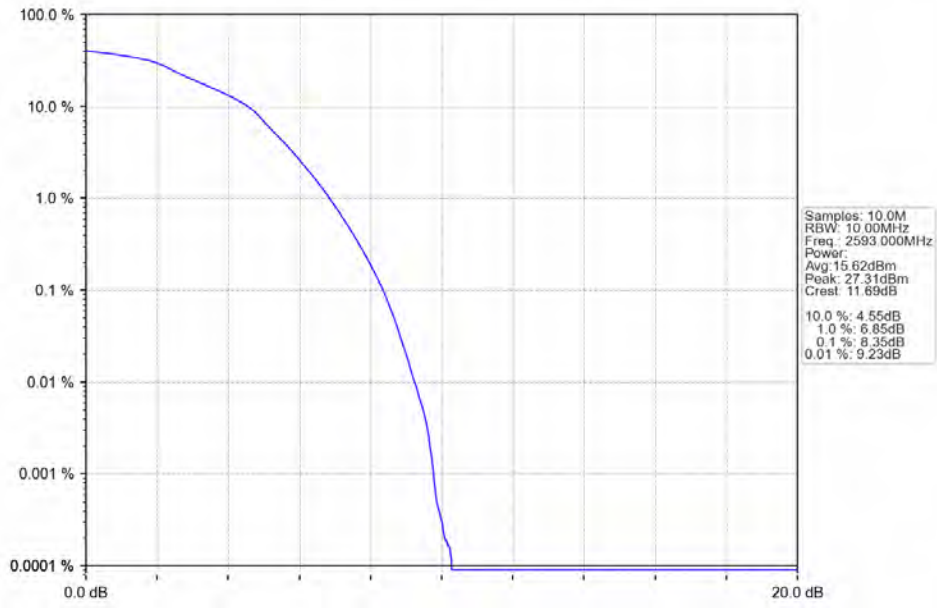
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



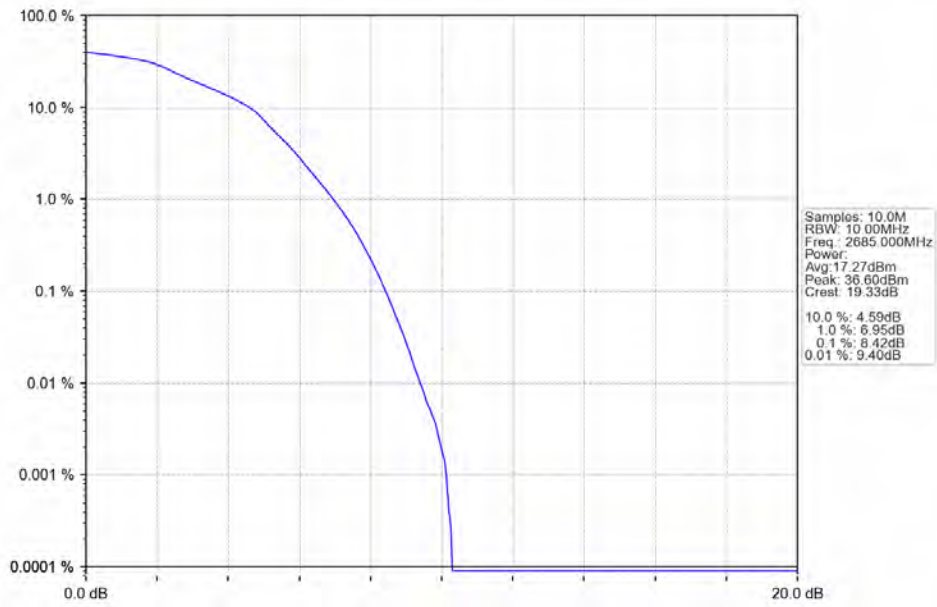
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV

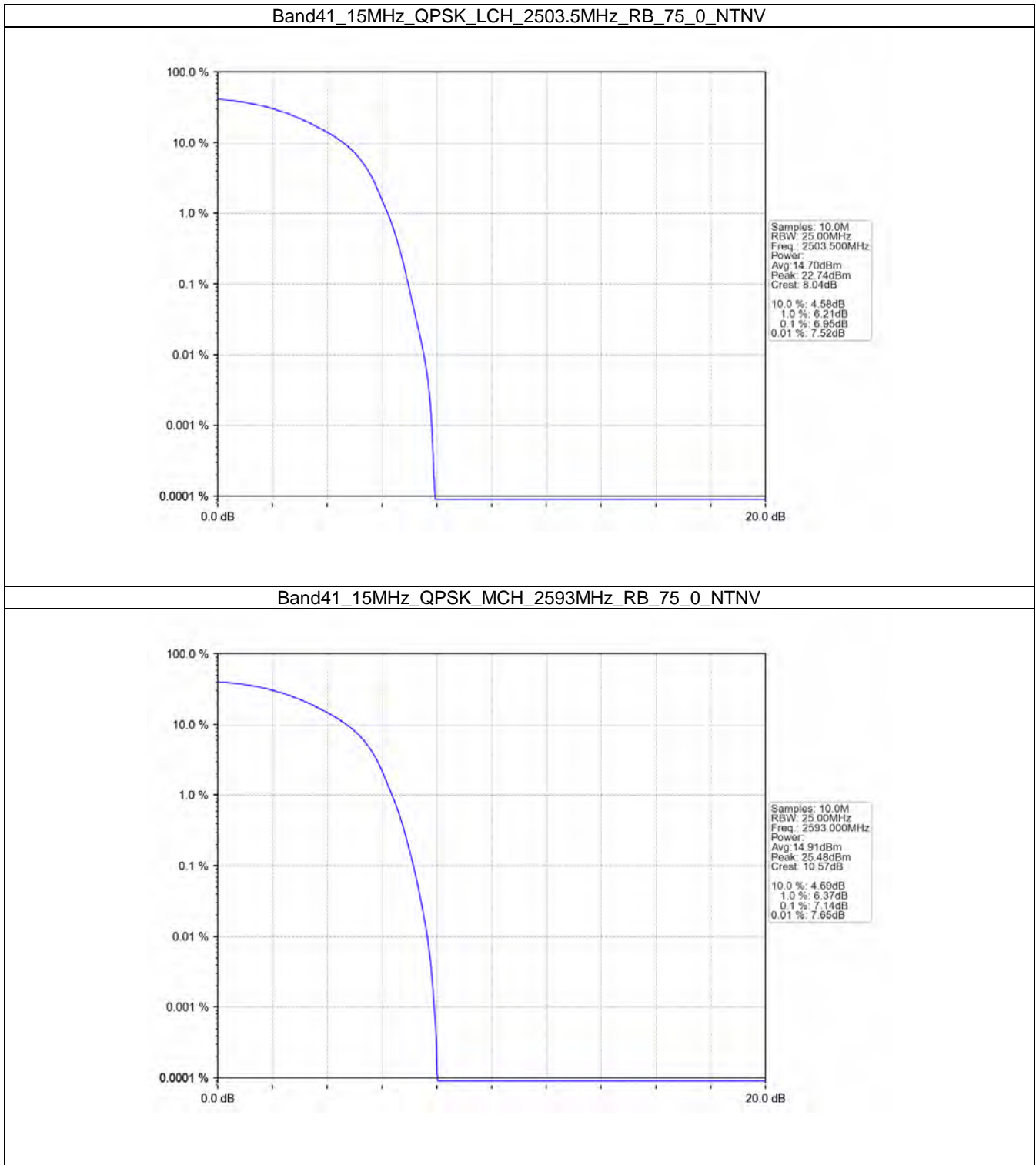


## 5.3 B41\_15MHz

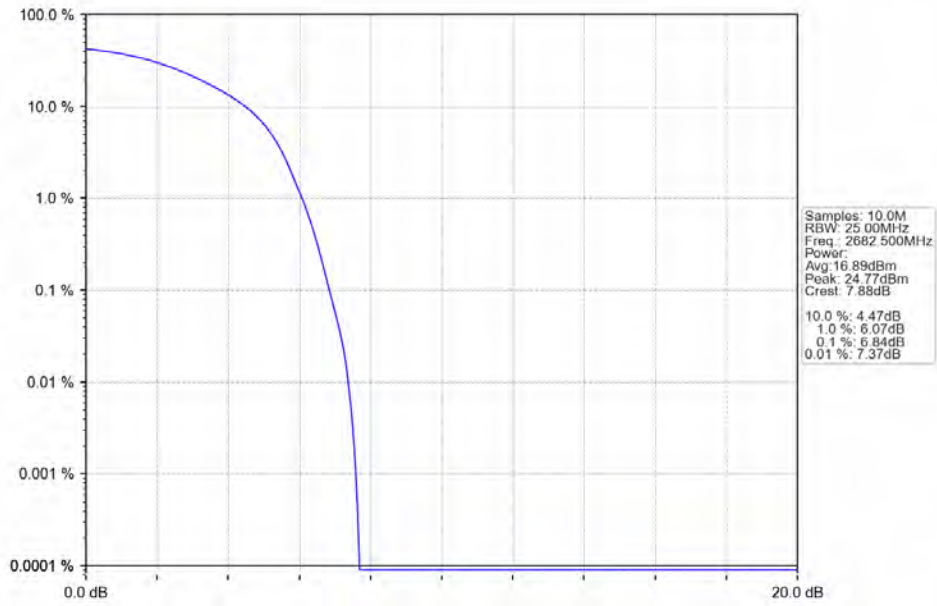
### 5.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	6.95	<=13	Pass
	2593	75	0	7.14	<=13	Pass
	2682.5	75	0	6.84	<=13	Pass
16QAM	2503.5	75	0	8.26	<=13	Pass
	2593	75	0	7.97	<=13	Pass
	2682.5	75	0	8.23	<=13	Pass

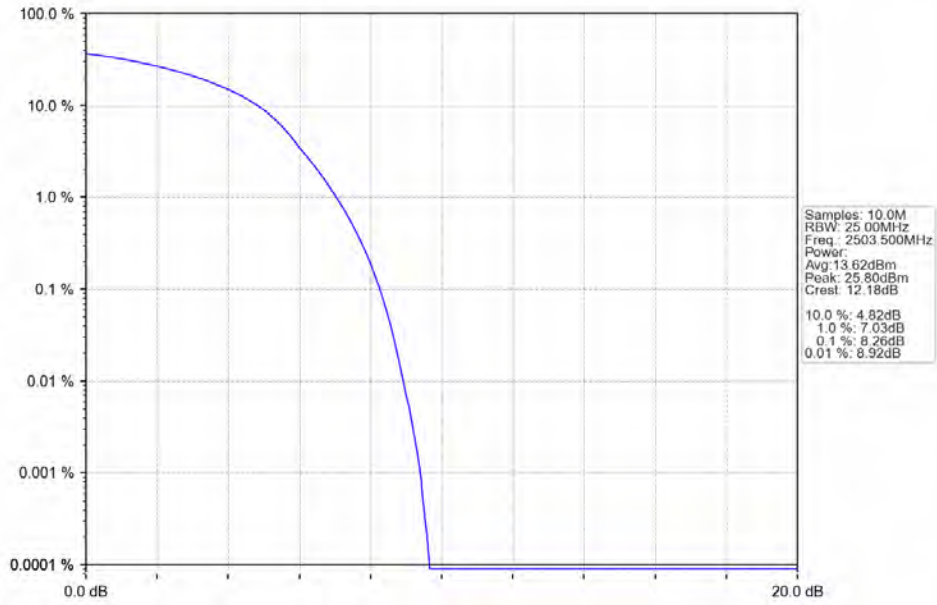
### 5.3.2 Test Graph



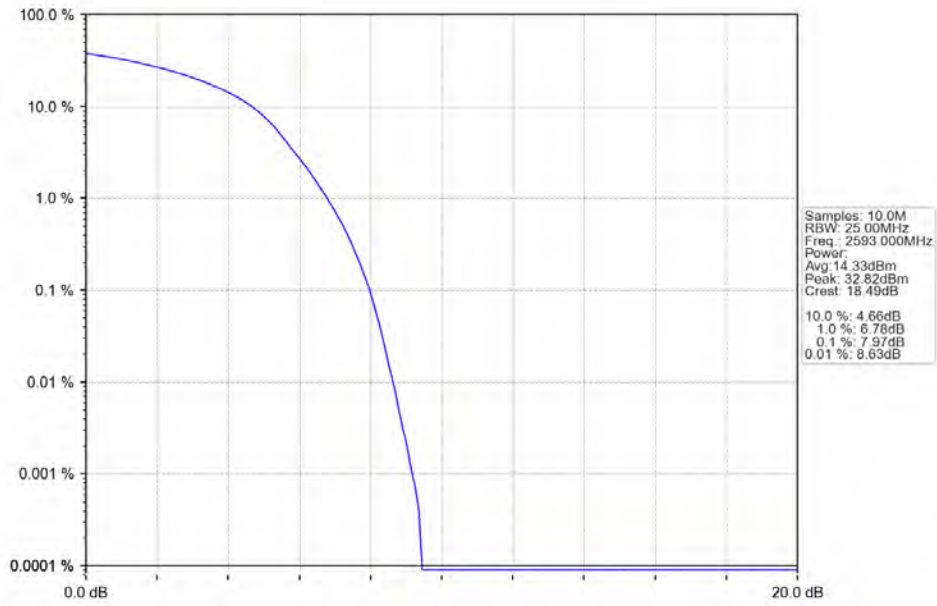
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



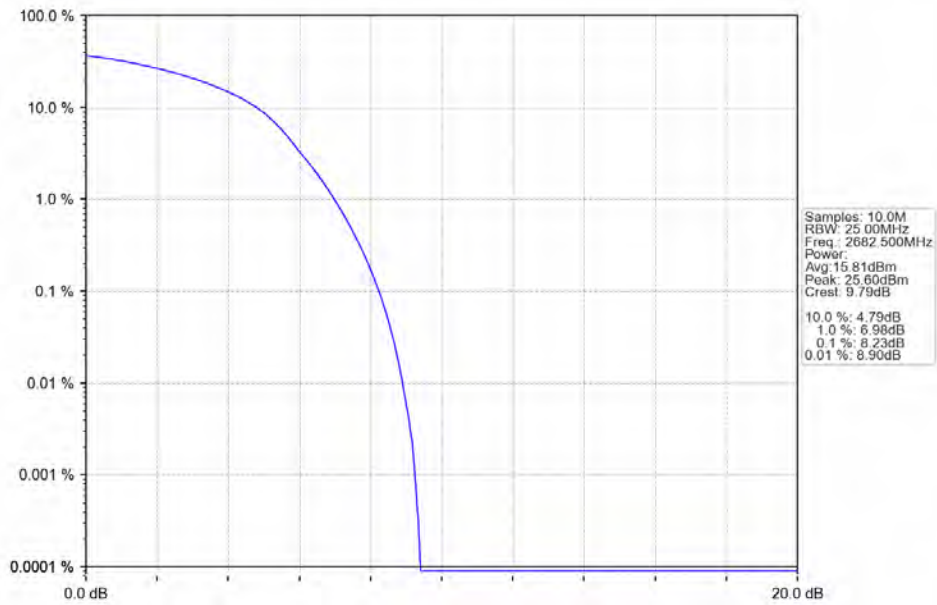
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



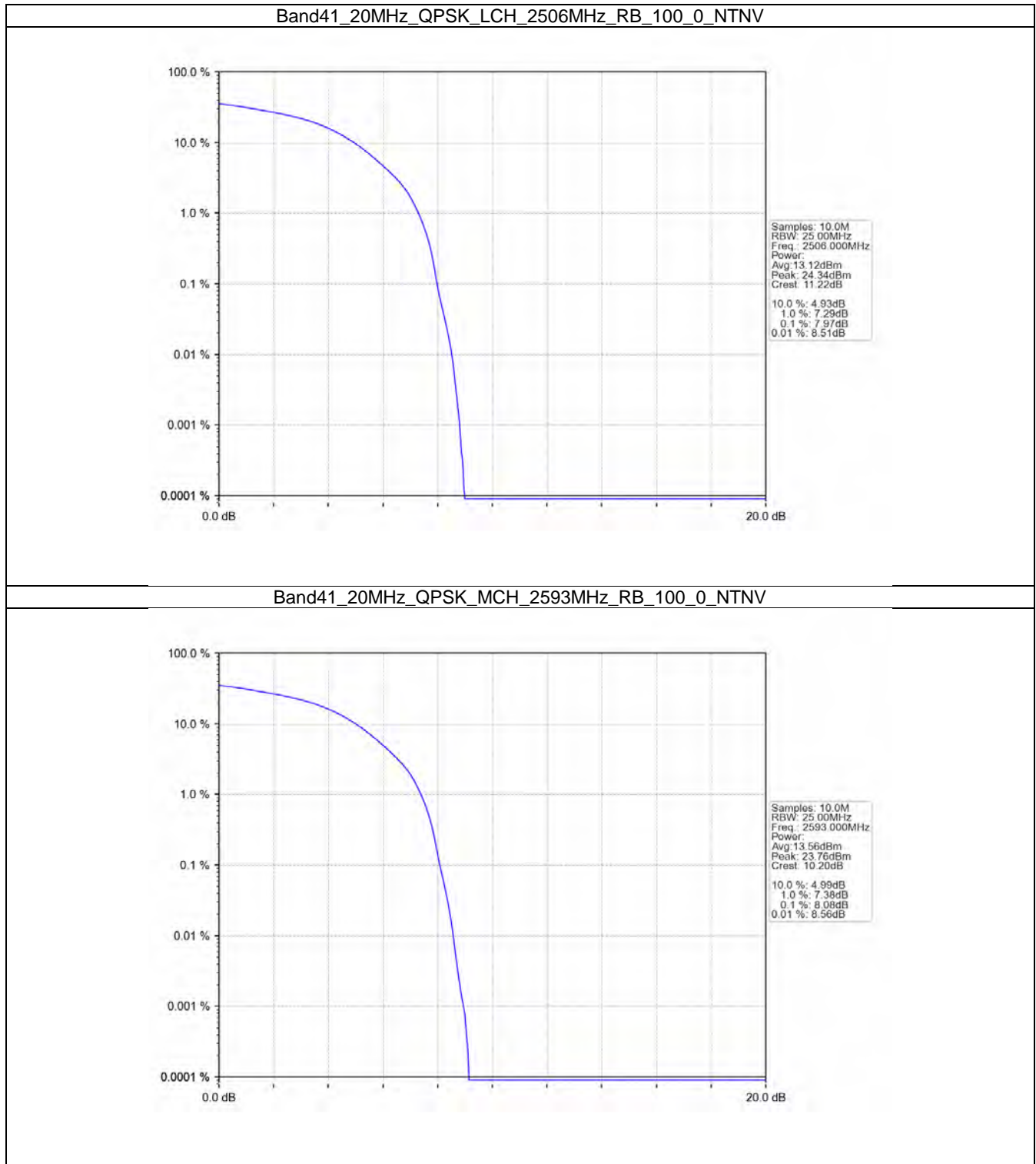
## 5.4 B41\_20MHz

### 5.4.1 Test Result

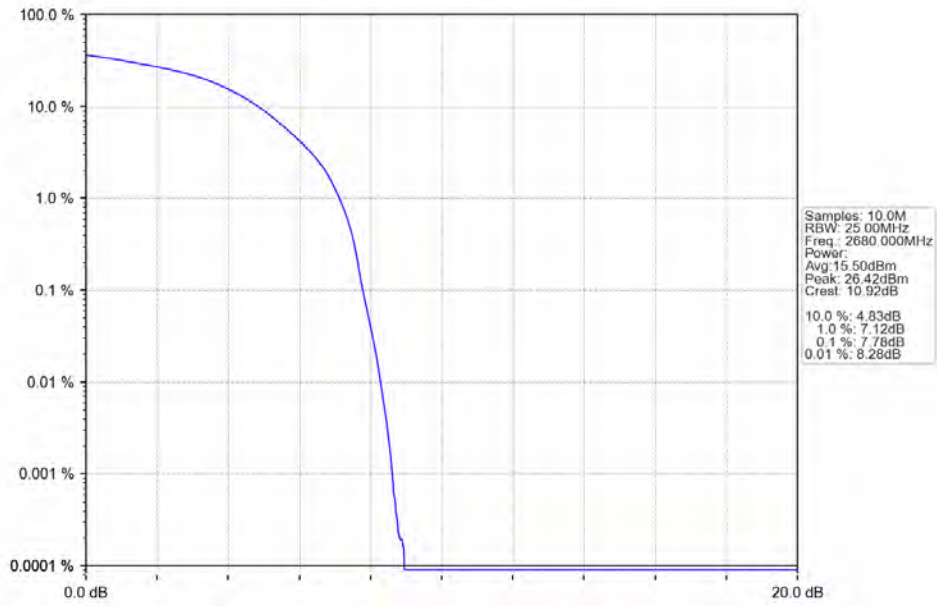
Band: 41 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.97	<=13	Pass
	2593	100	0	8.08	<=13	Pass
	2680	100	0	7.78	<=13	Pass
16QAM	2506	100	0	8.72	<=13	Pass
	2593	100	0	8.84	<=13	Pass
	2680	100	0	8.59	<=13	Pass



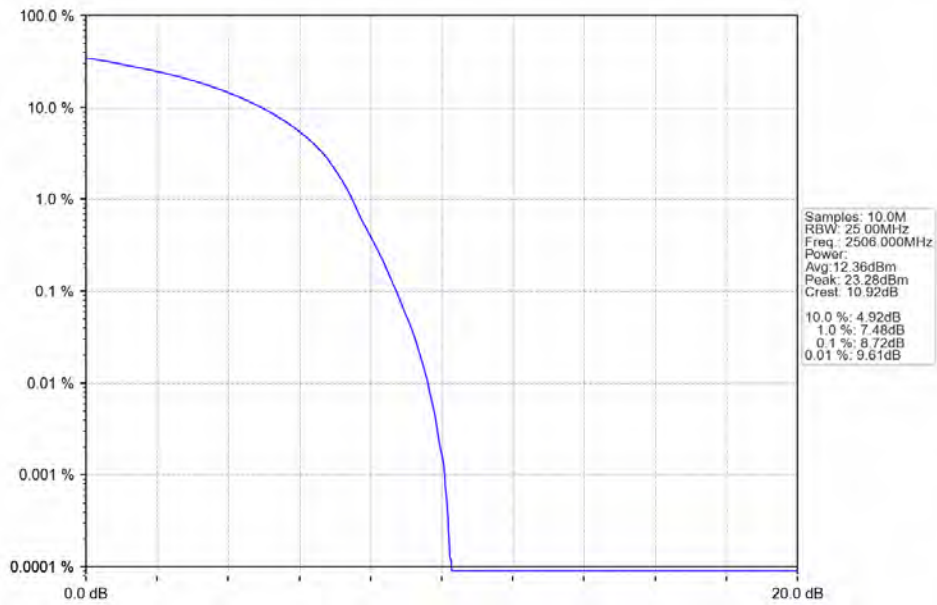
### 5.4.2 Test Graph



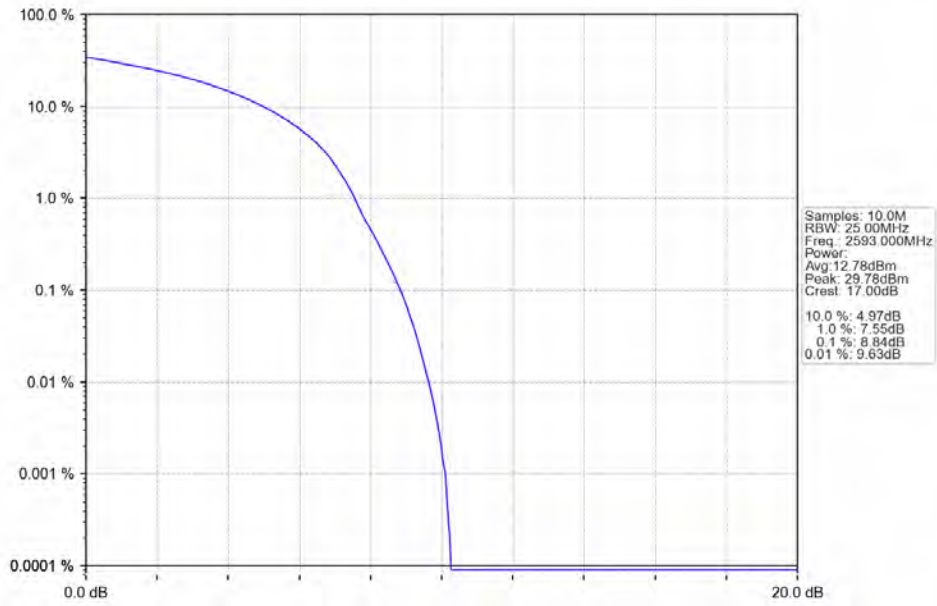
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



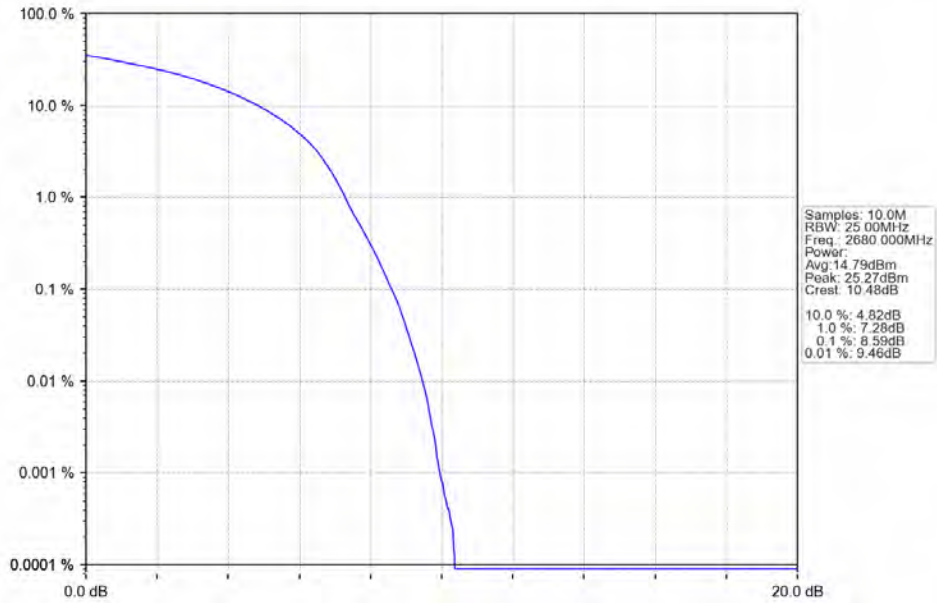
Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV



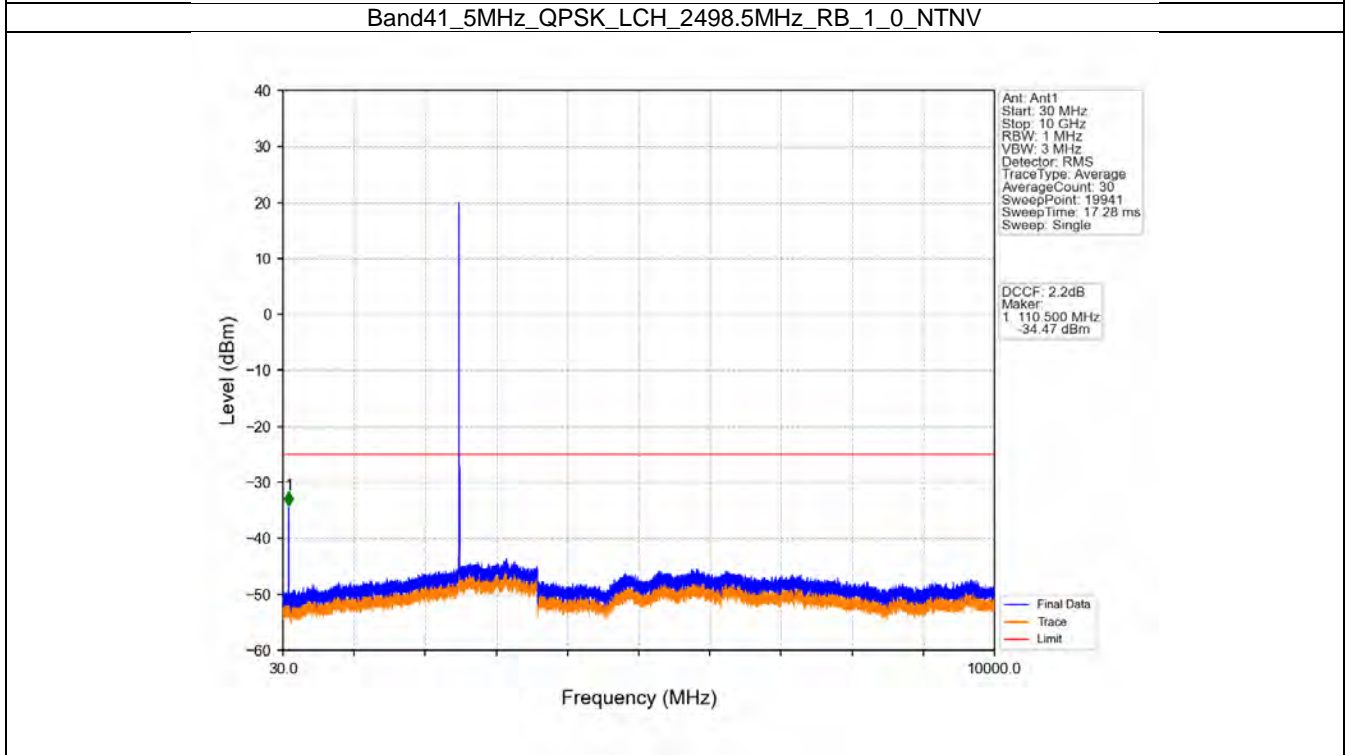
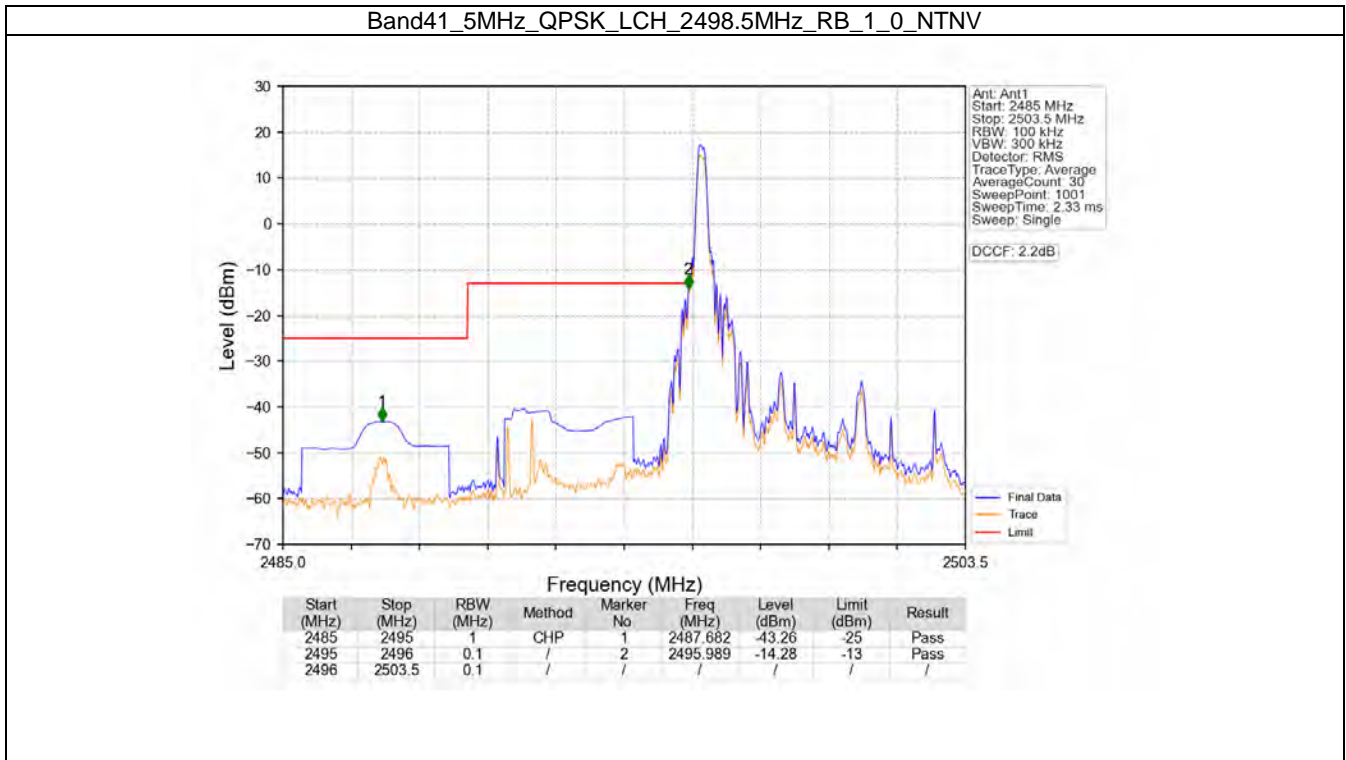
## 6. Spurious Emission

### 6.1 B41\_5MHz

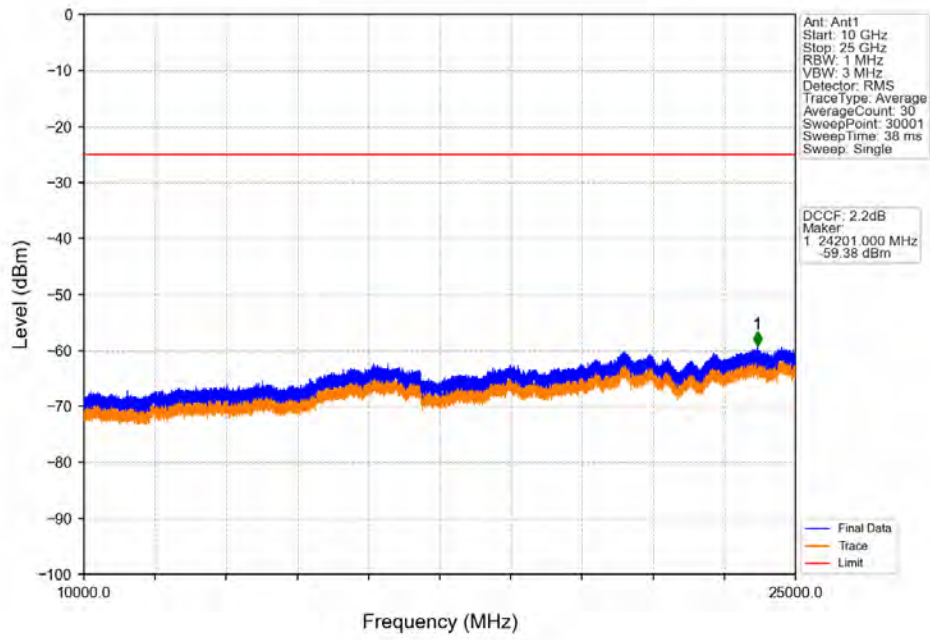
#### 6.1.1 Test Result

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
	2687.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	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
	2687.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

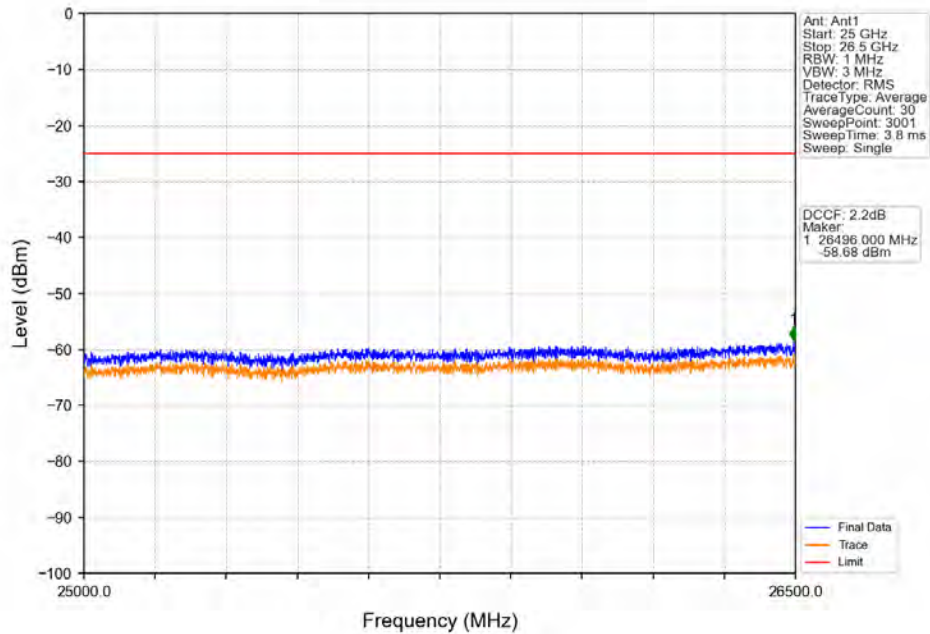
### 6.1.2 Test Graph



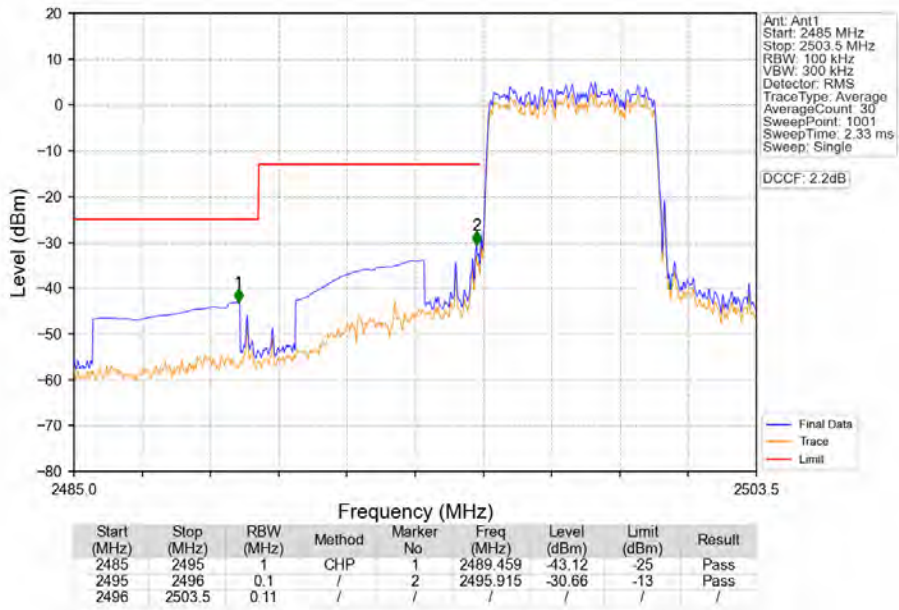
Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



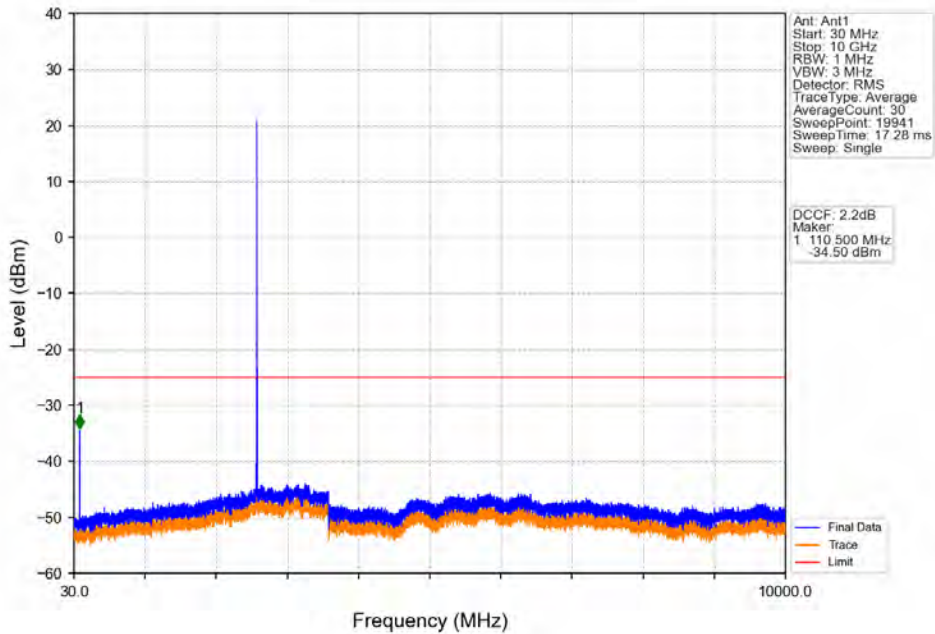
Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV

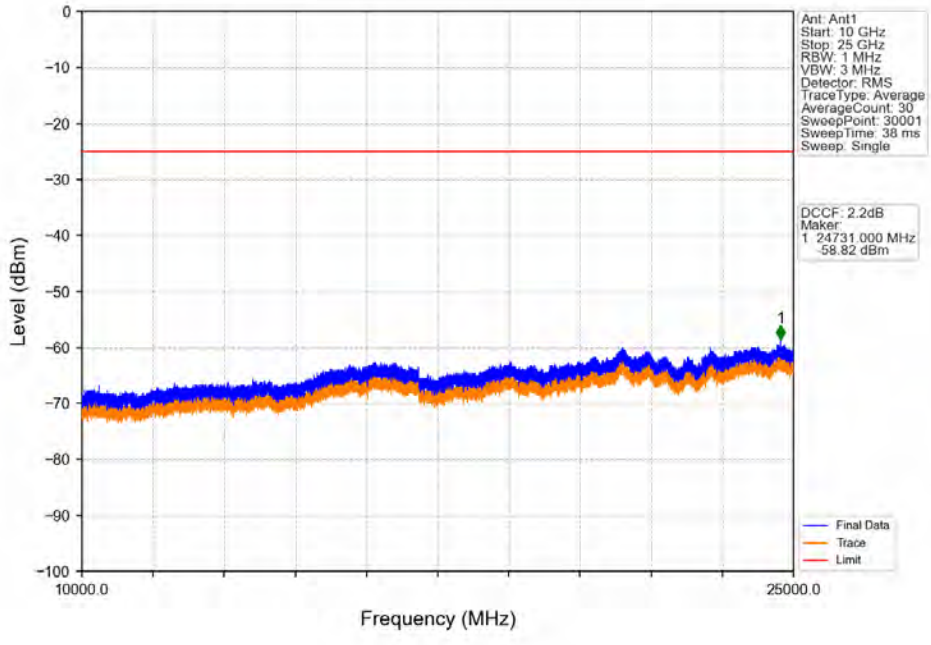


Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV

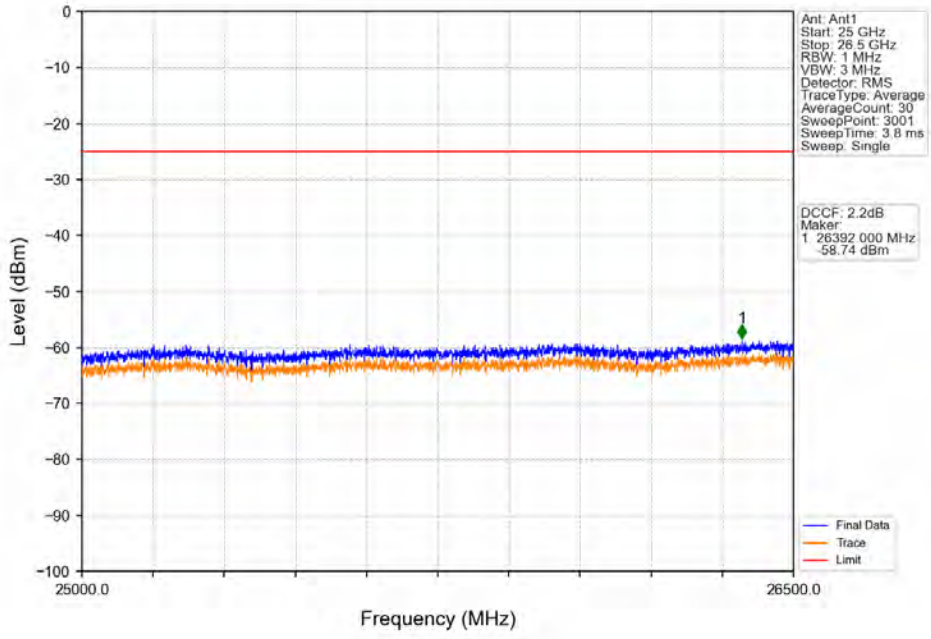




Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV

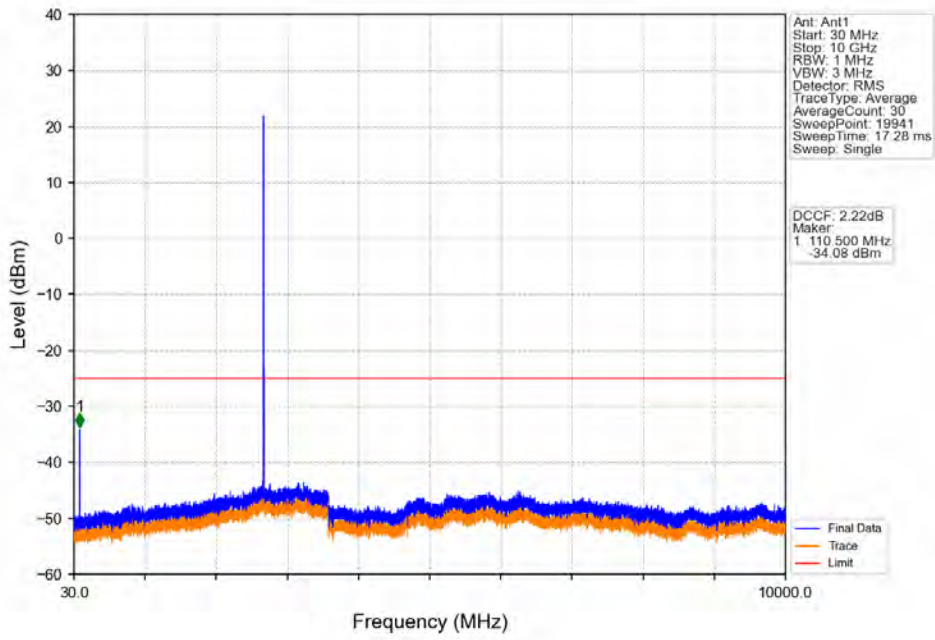


Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV

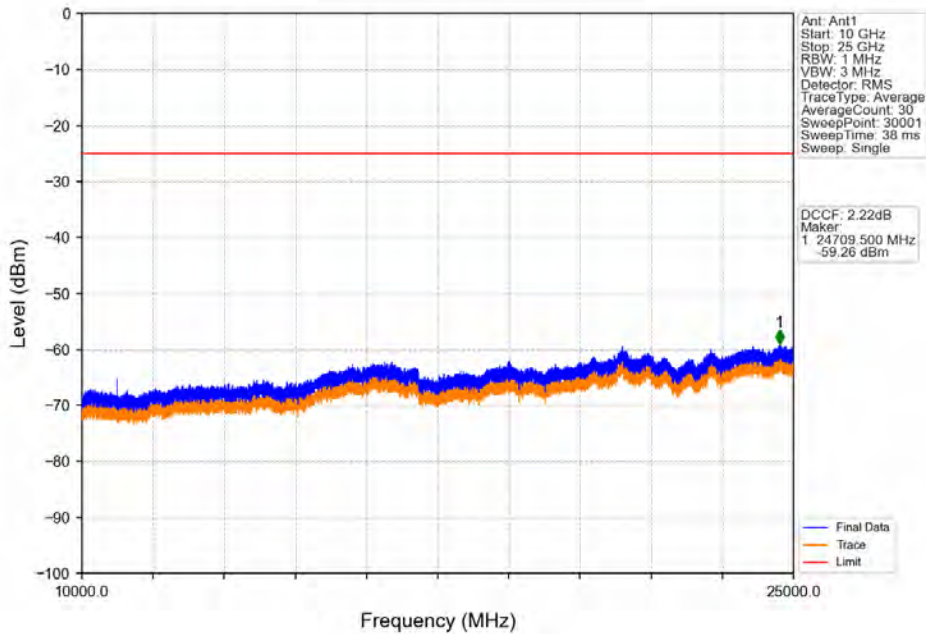




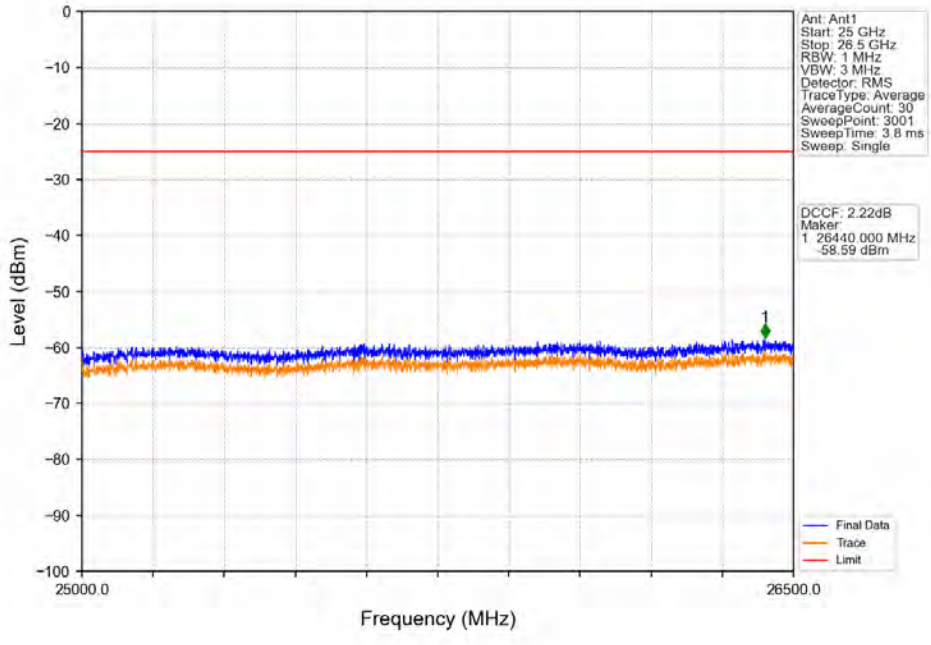
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



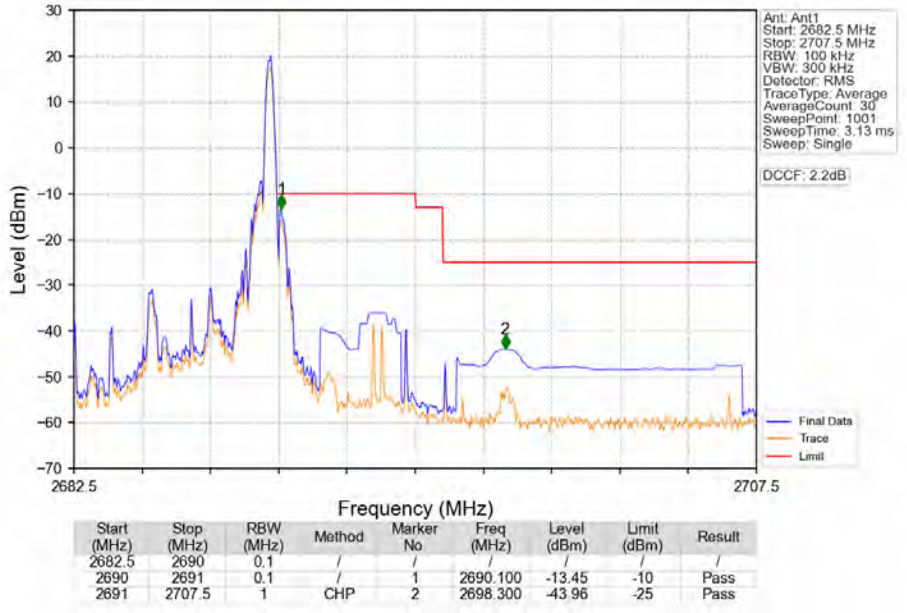
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



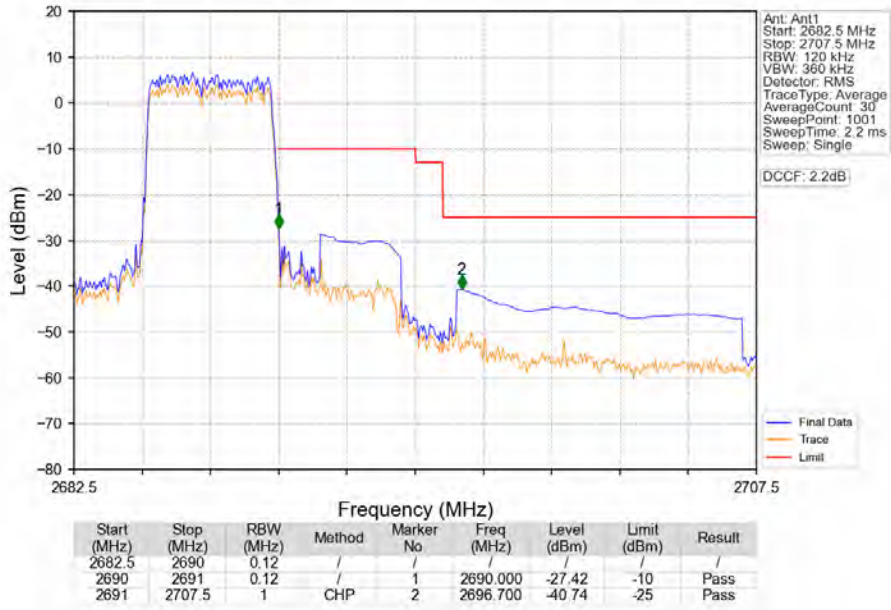
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



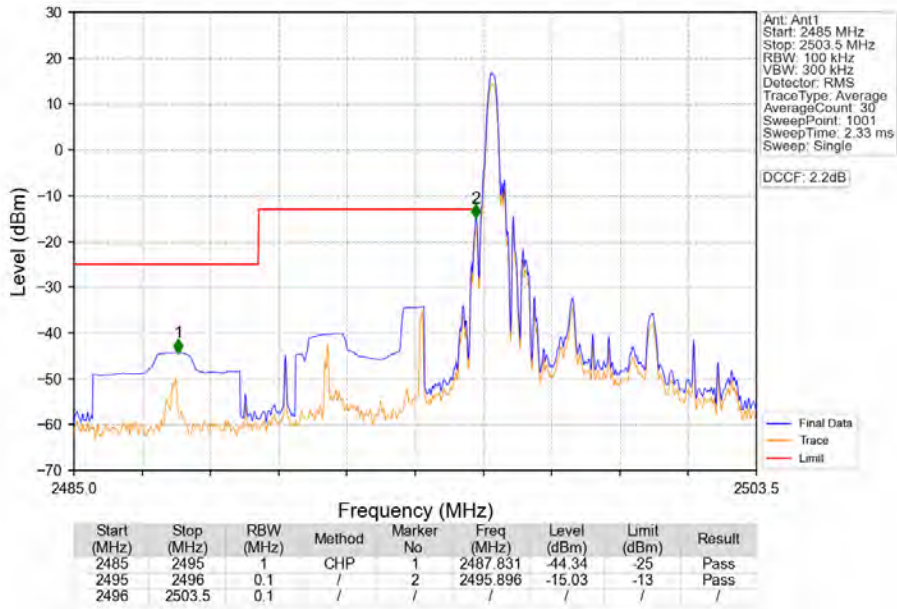
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_24\_NTNV



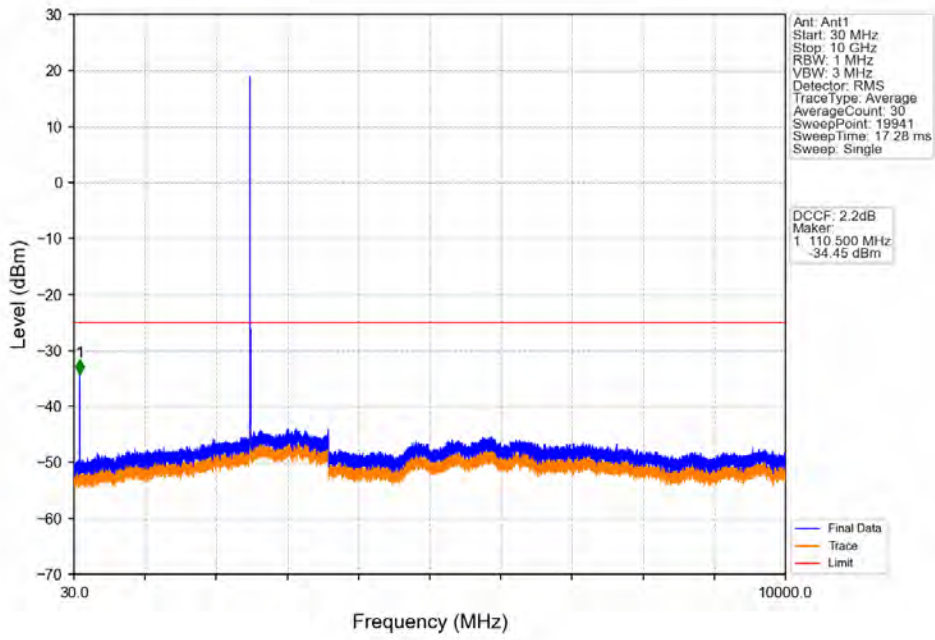
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



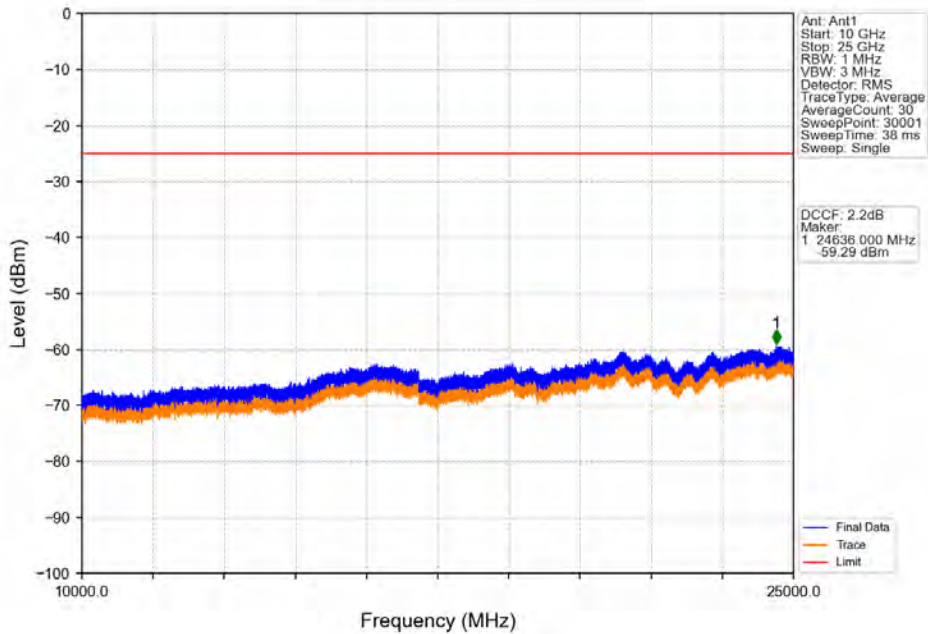
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



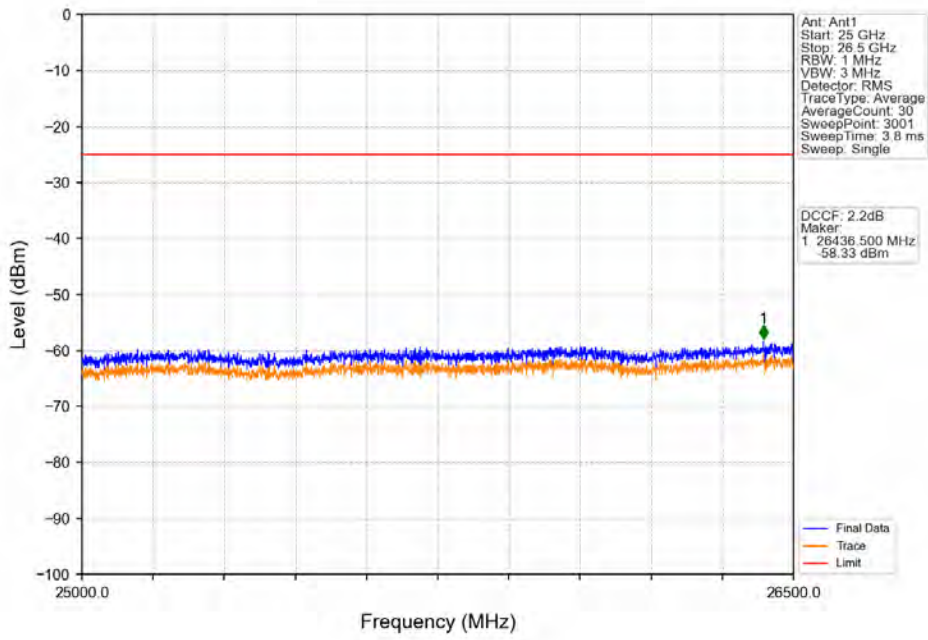
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



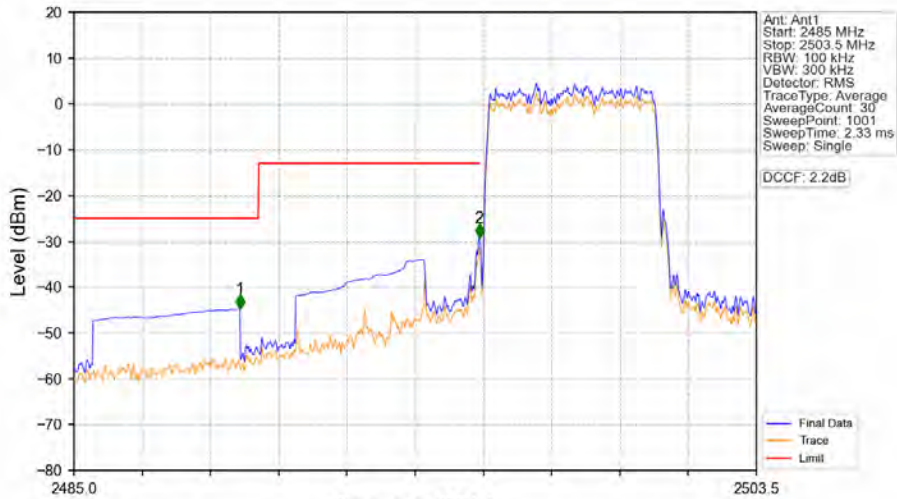
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



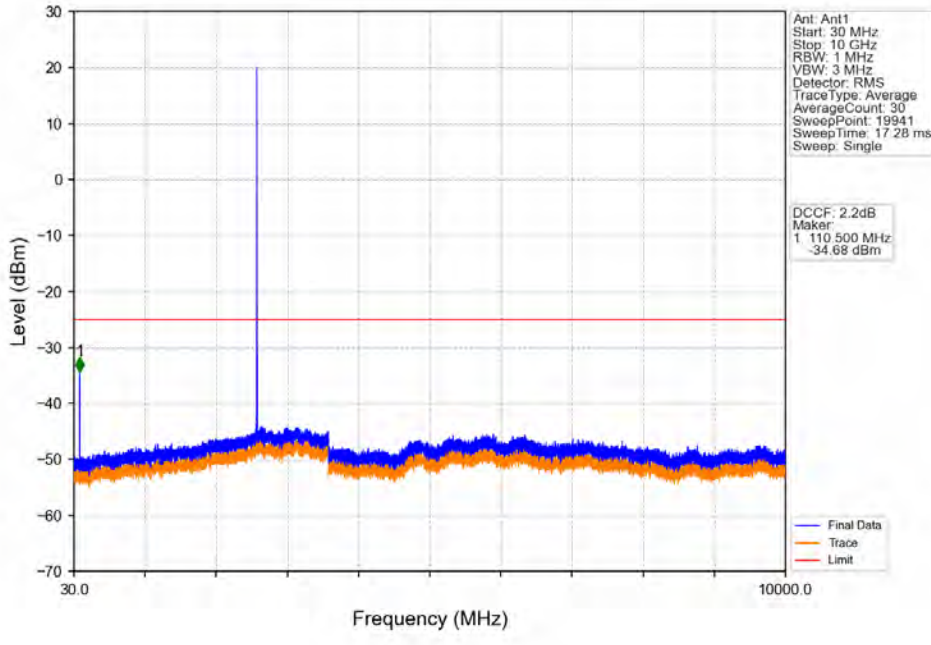
Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



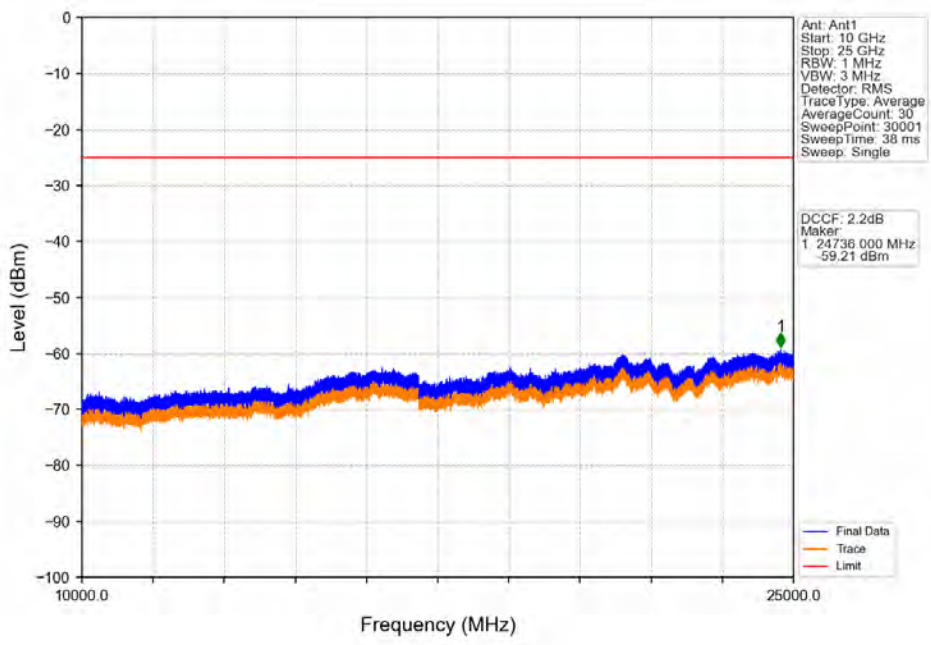
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2489.495	-44.68	-25	Pass
2495	2496	0.1	/	2	2495.989	-29.19	-13	Pass
2496	2503.5	0.105	/	/	/	/	/	/



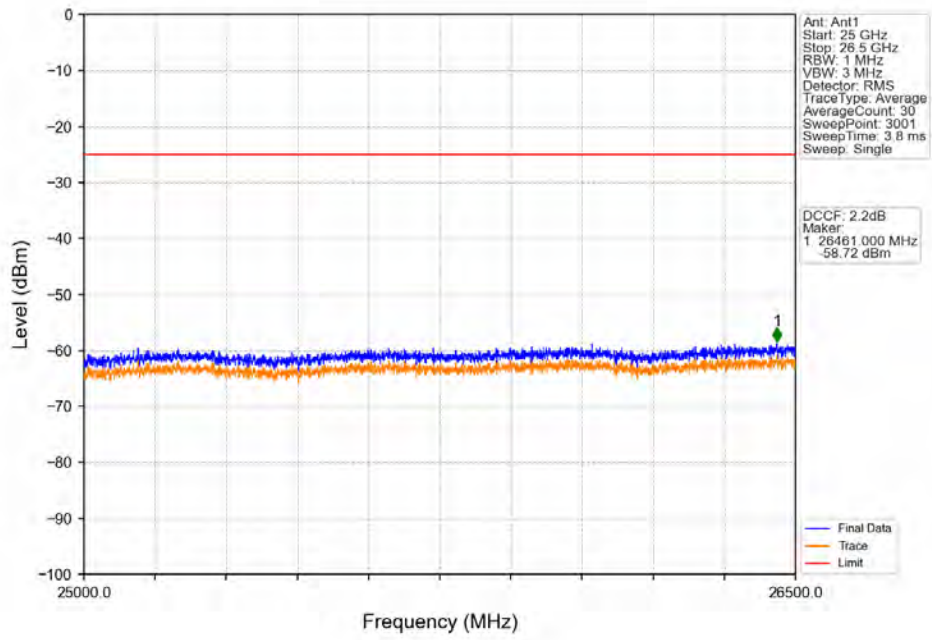
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



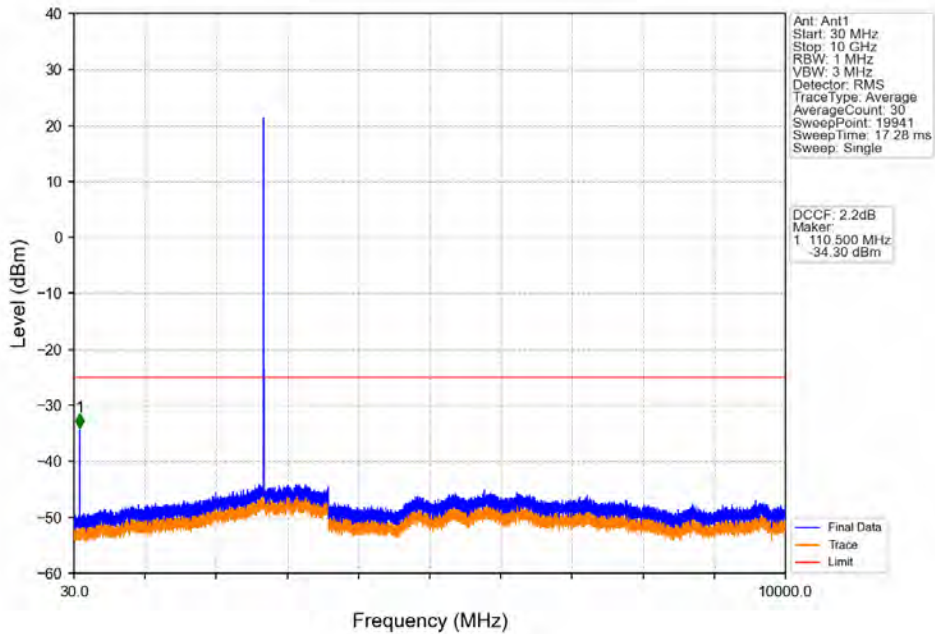
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



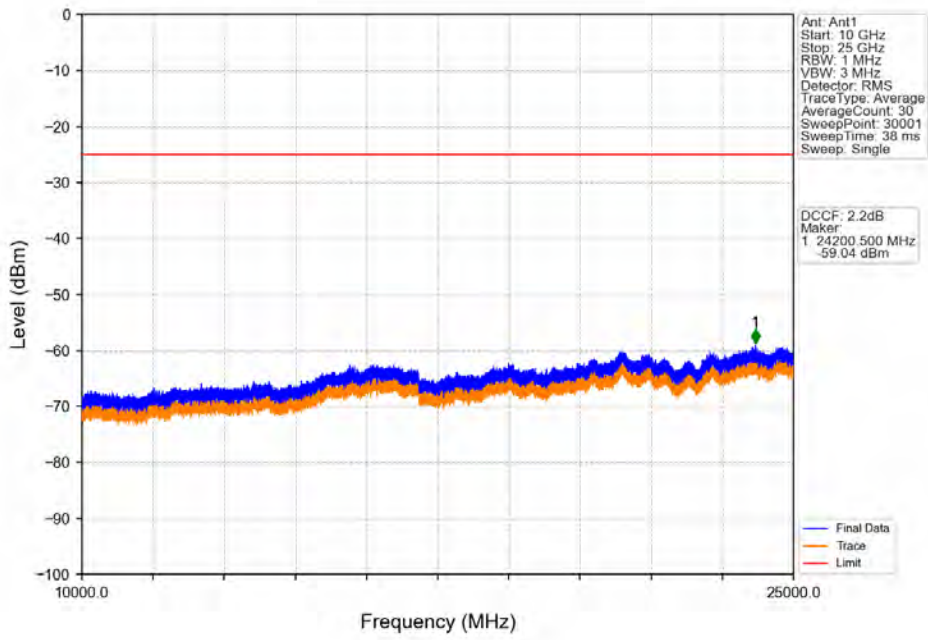
Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



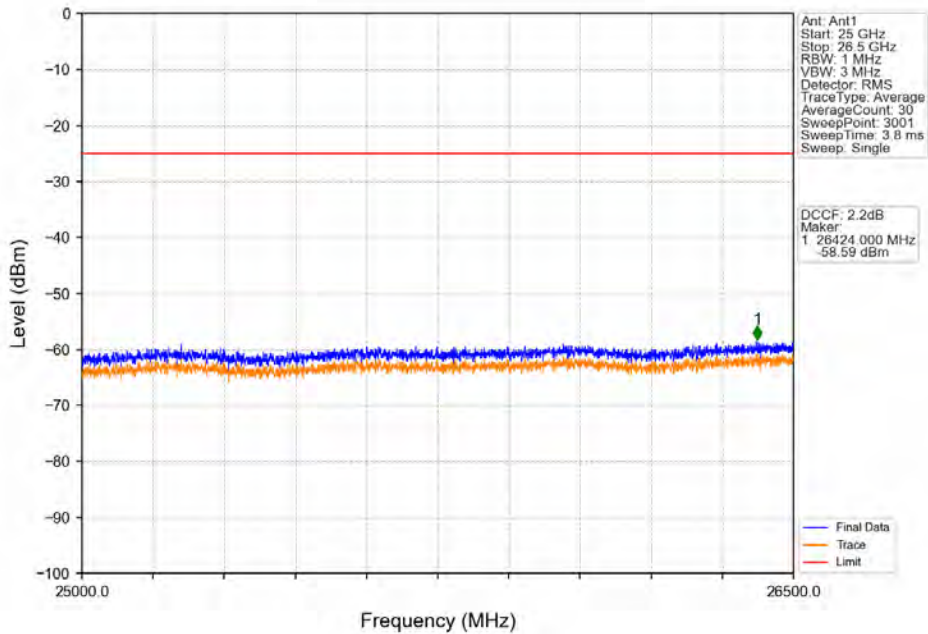
Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV

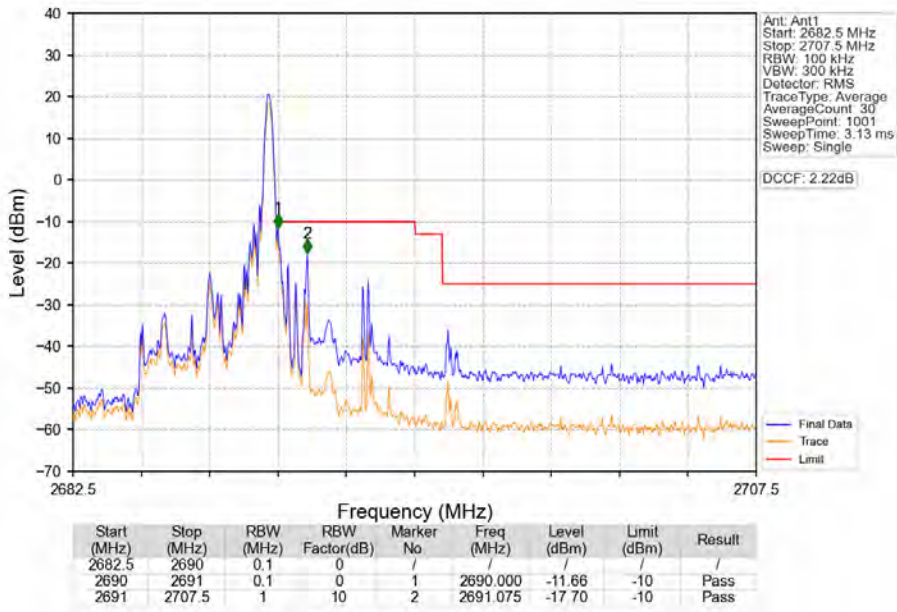


Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV

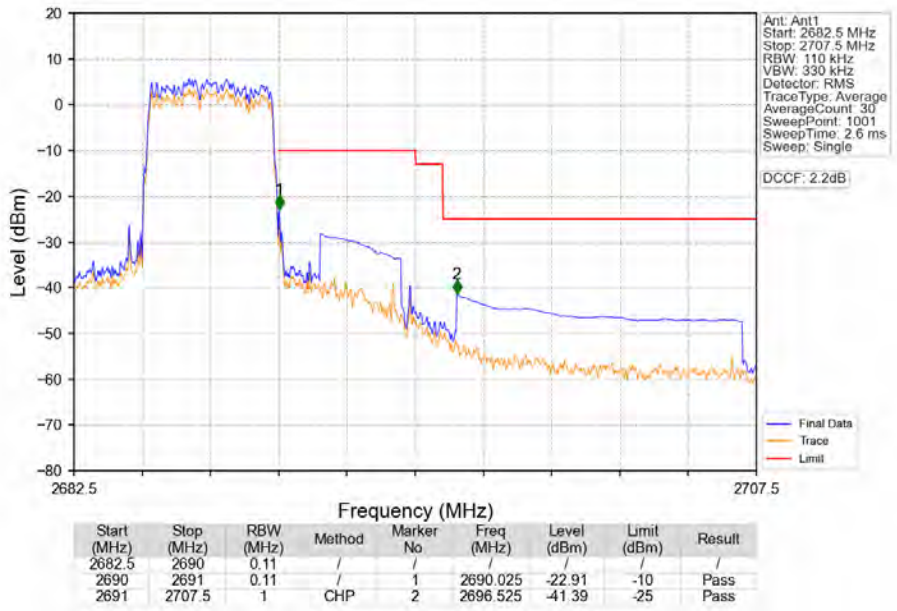




Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_1\_24\_NTNV



Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV

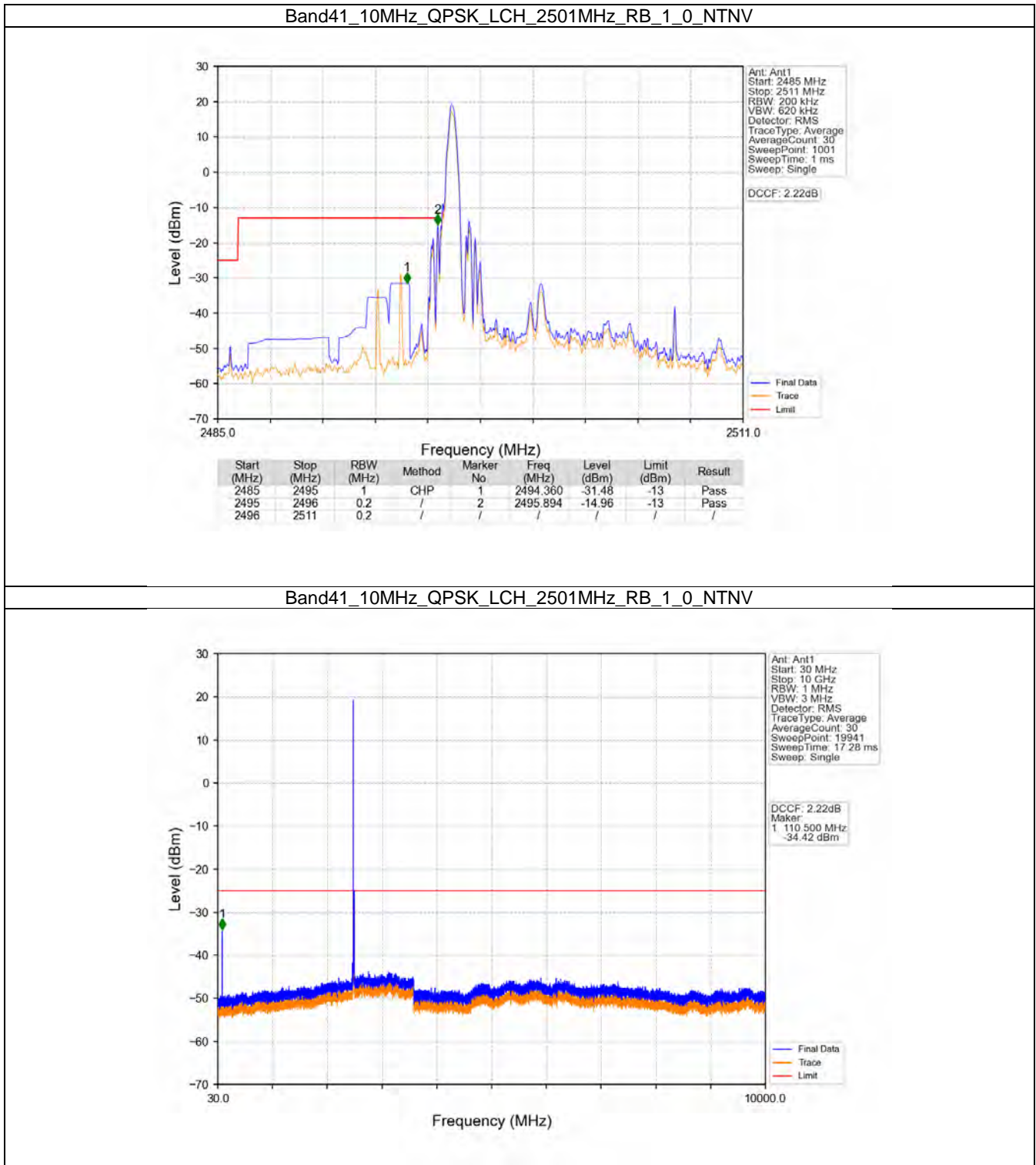


## 6.2 B41\_10MHz

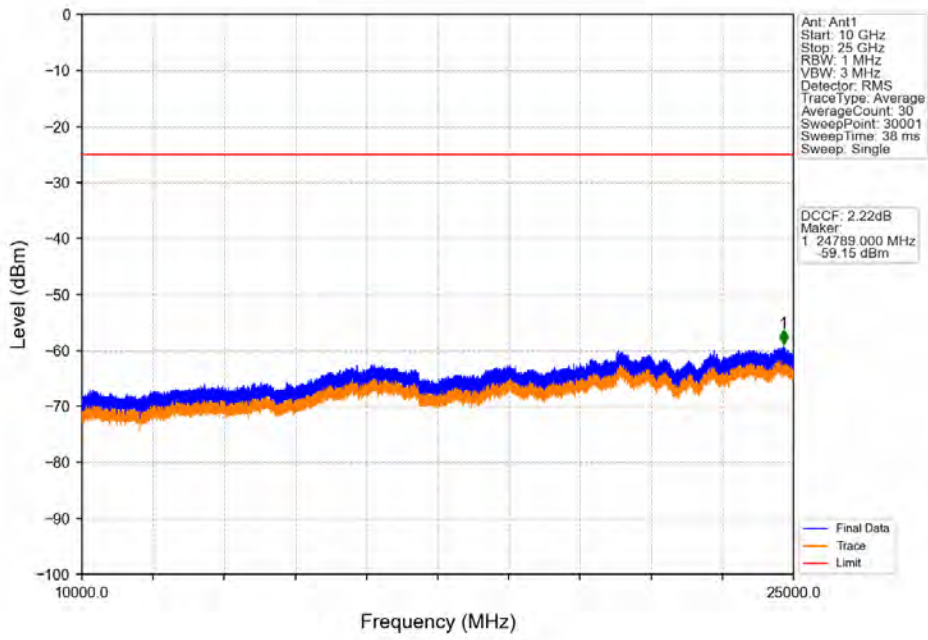
### 6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV						
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
	2685	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	2501	1	0	Refer To Test Graph		Pass
		50	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
			0	Refer To Test Graph		Pass

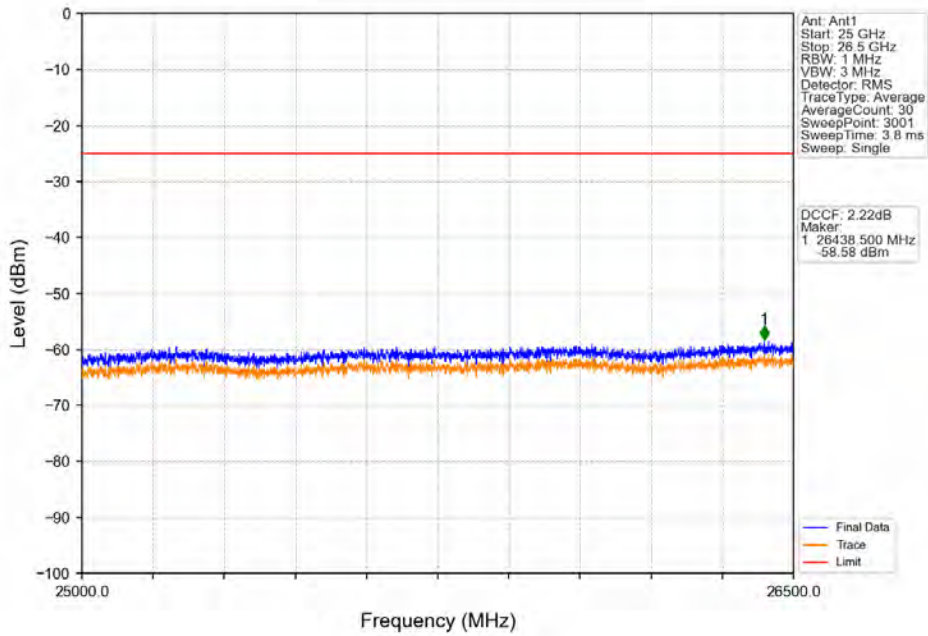
### 6.2.2 Test Graph



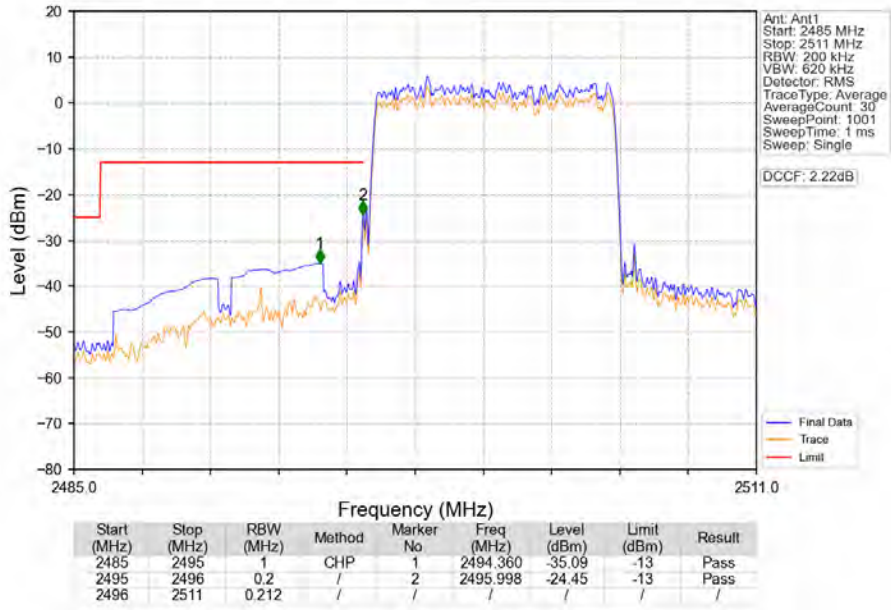
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_1\_0\_NTNV



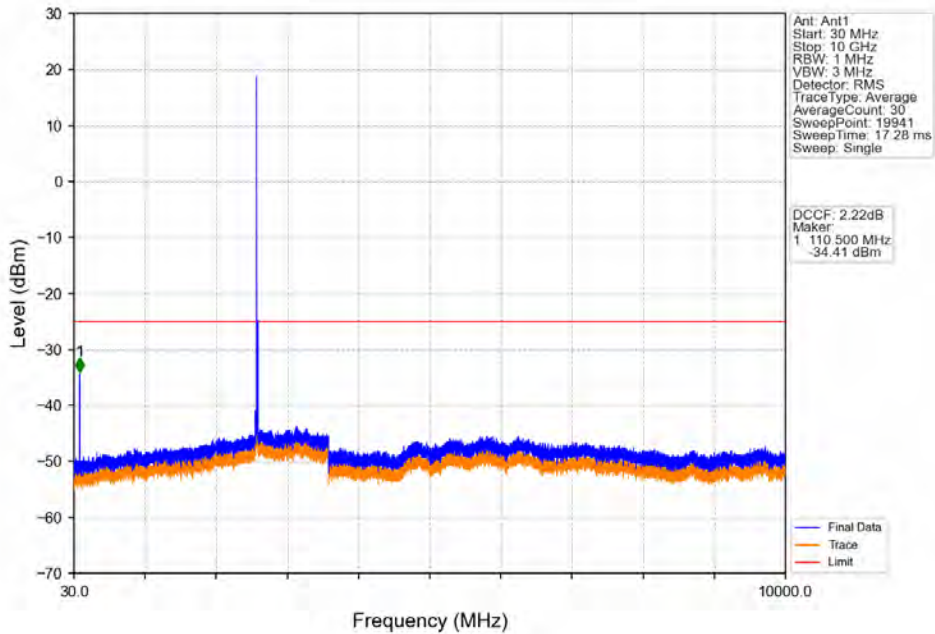
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_1\_0\_NTNV



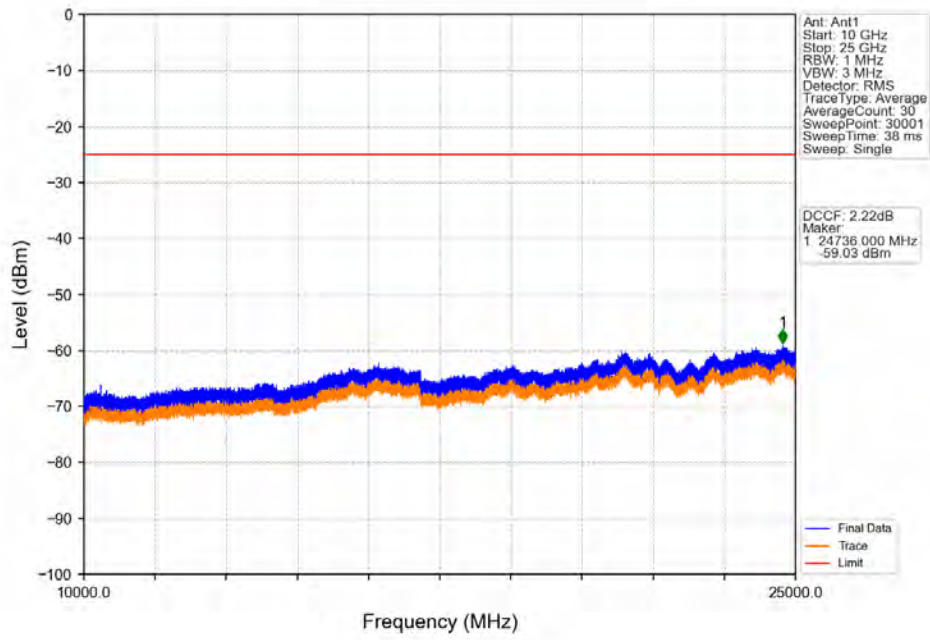
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



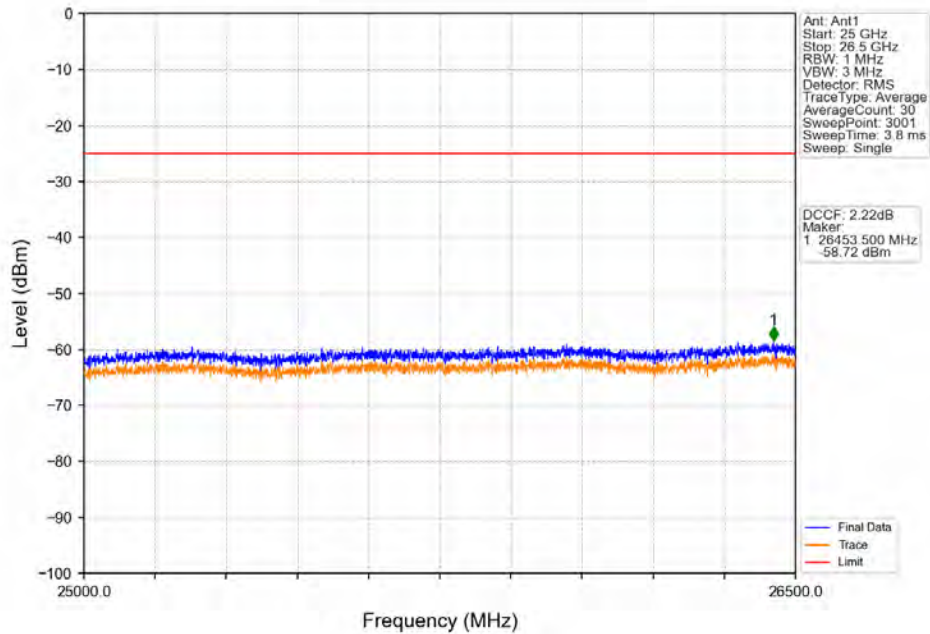
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV

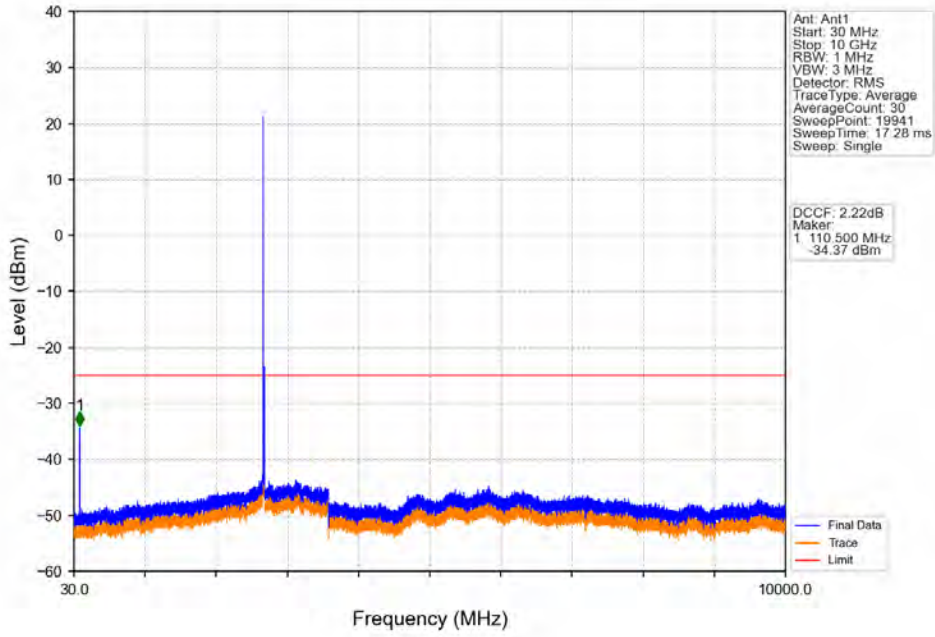


Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV

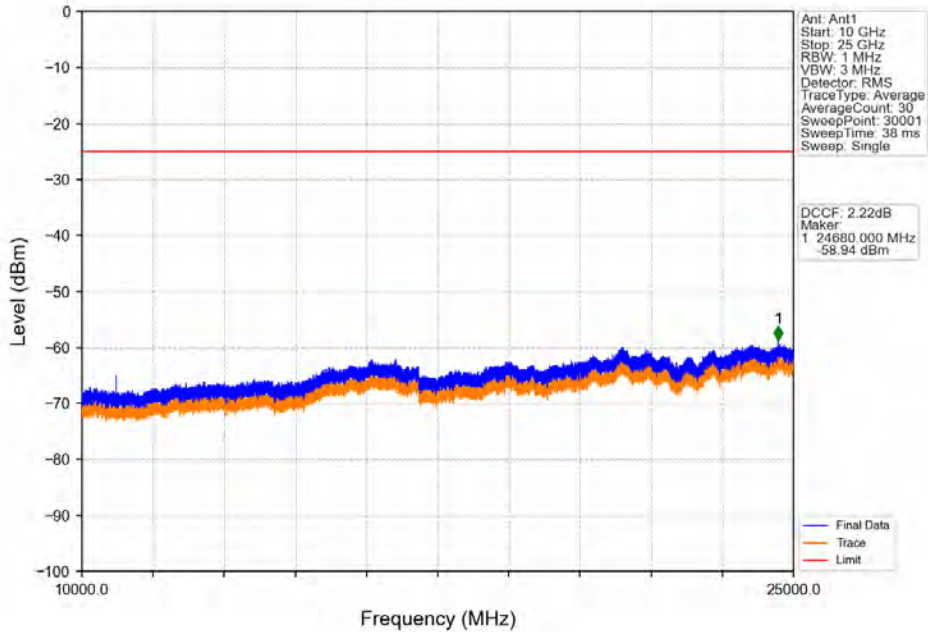




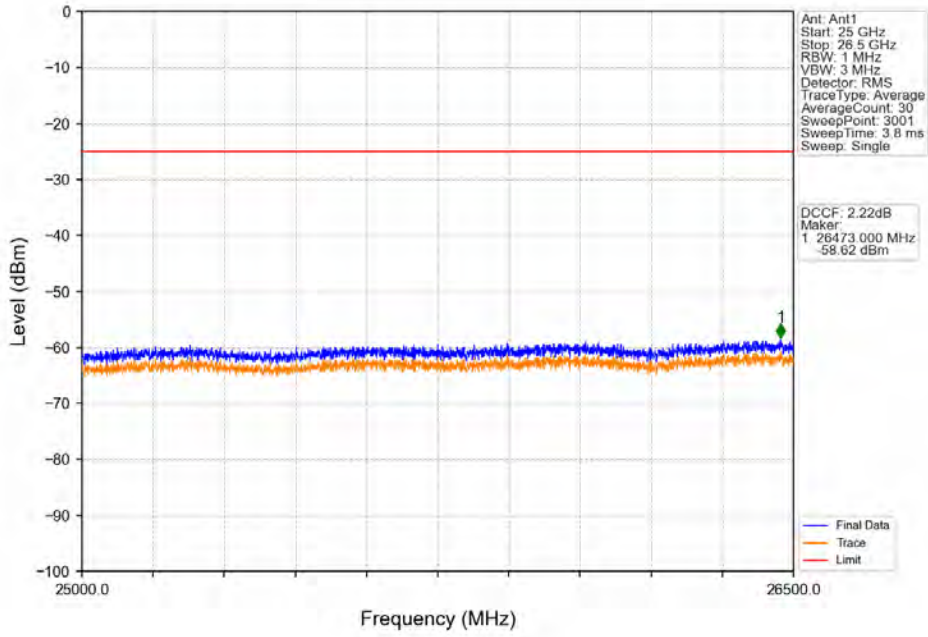
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV



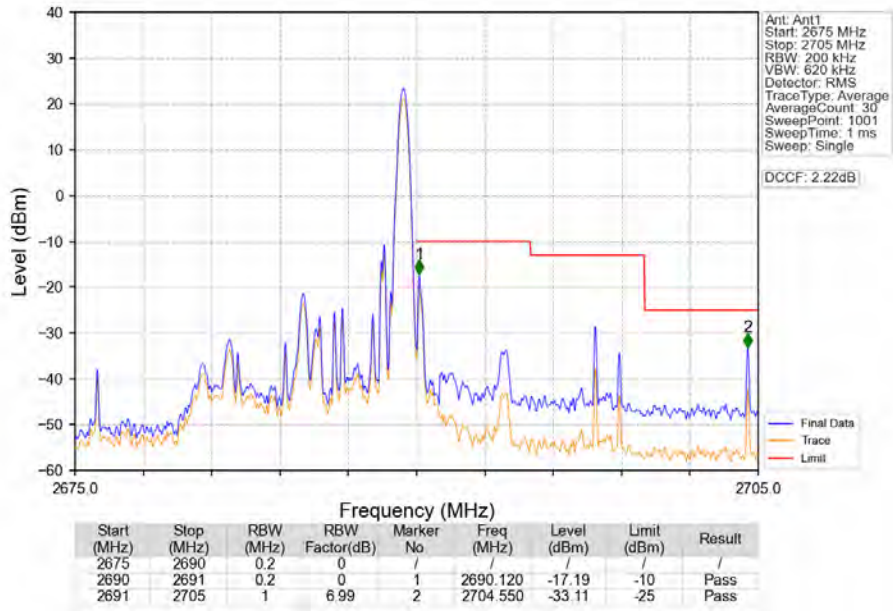
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV

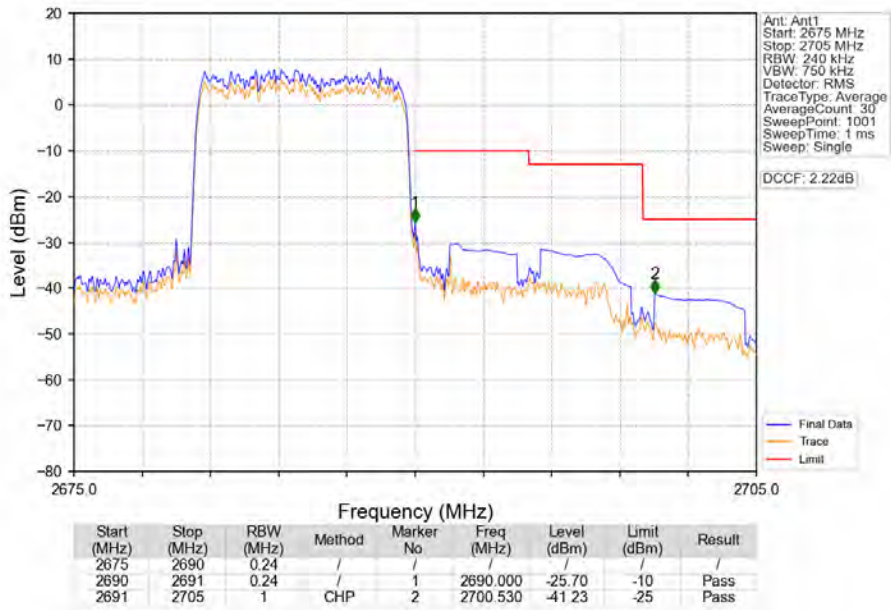


Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_49\_NTNV

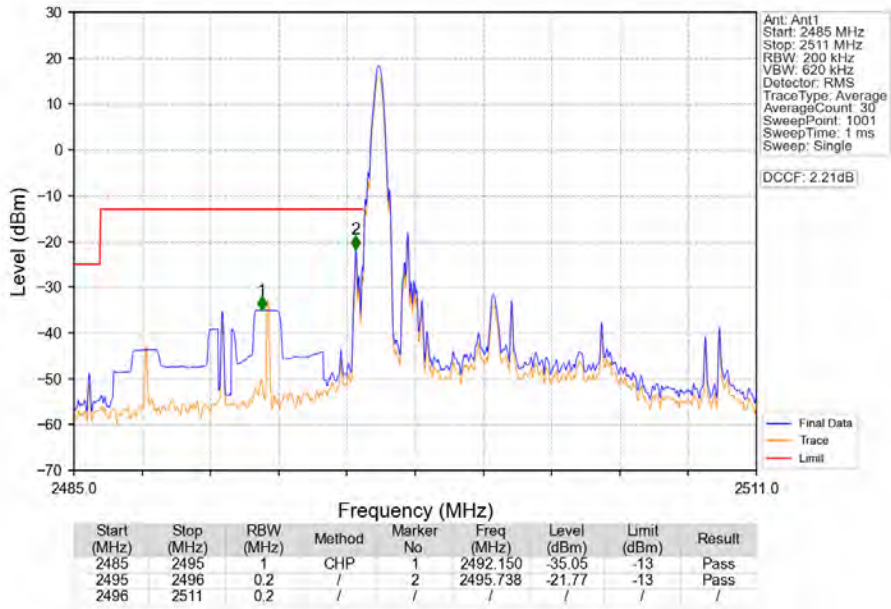




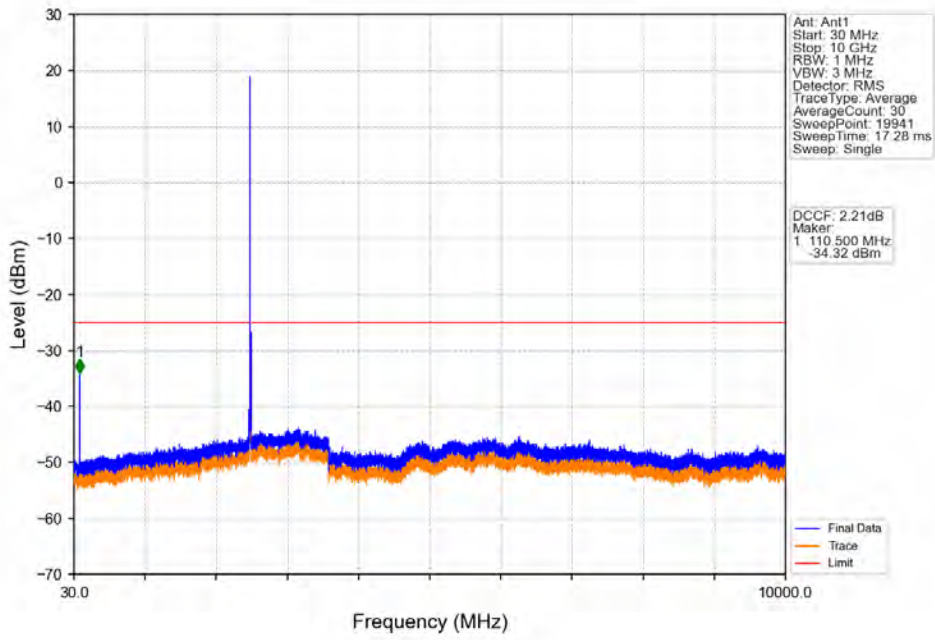
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



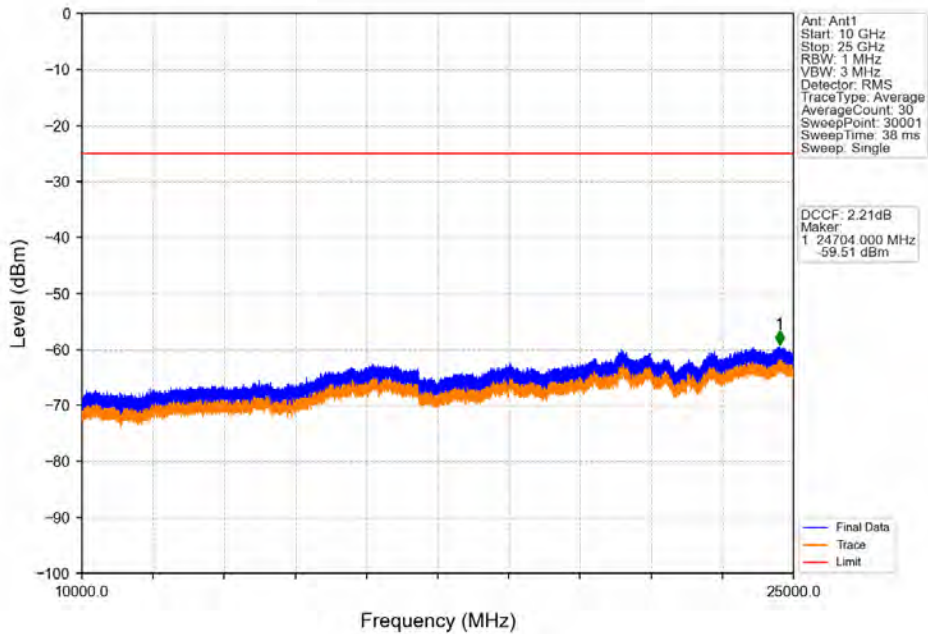
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



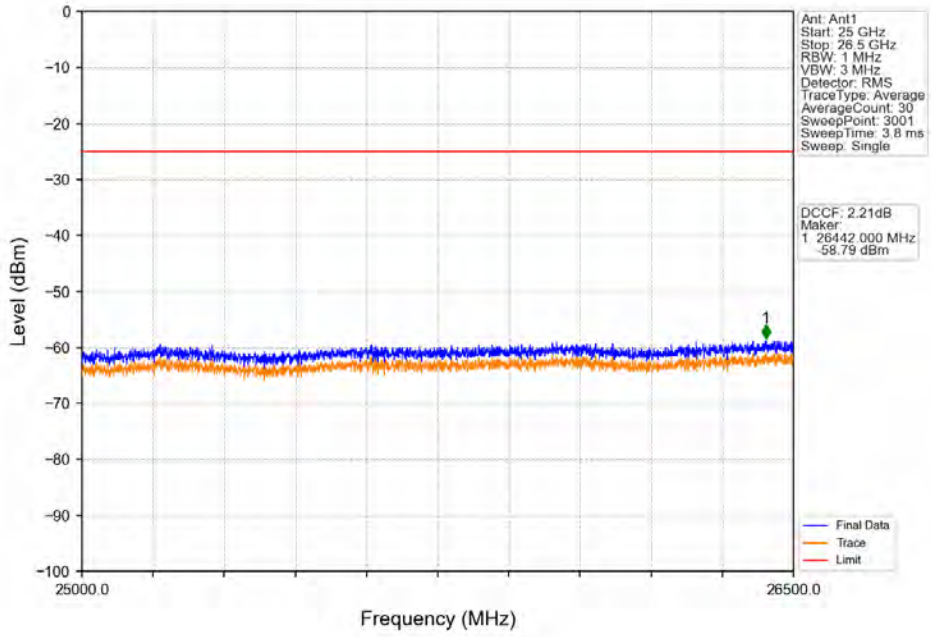
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



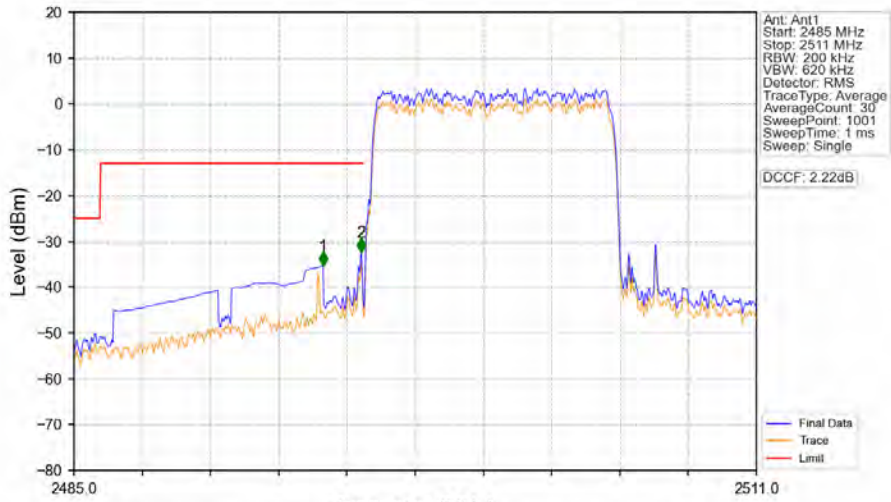
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV

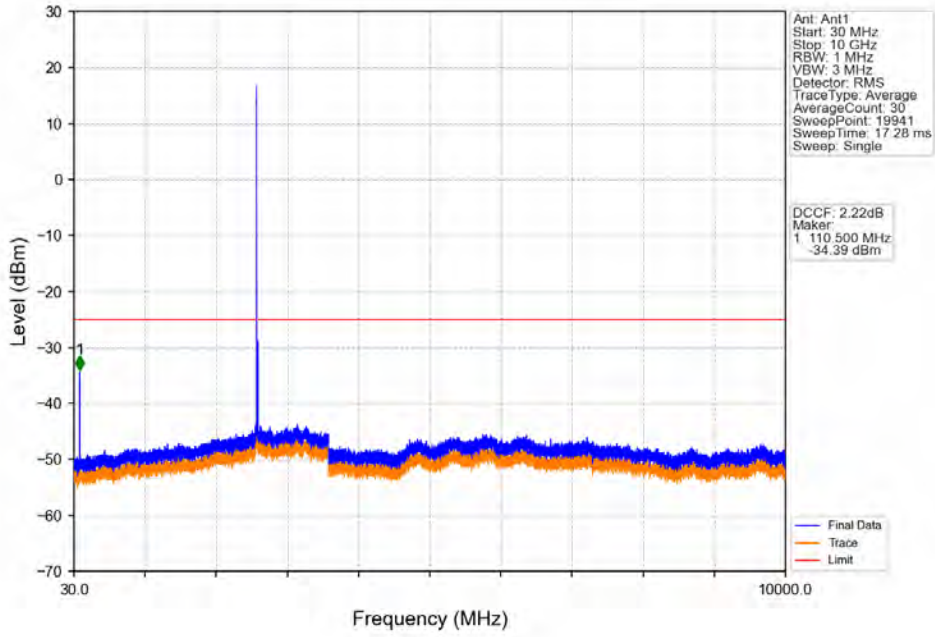


Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV

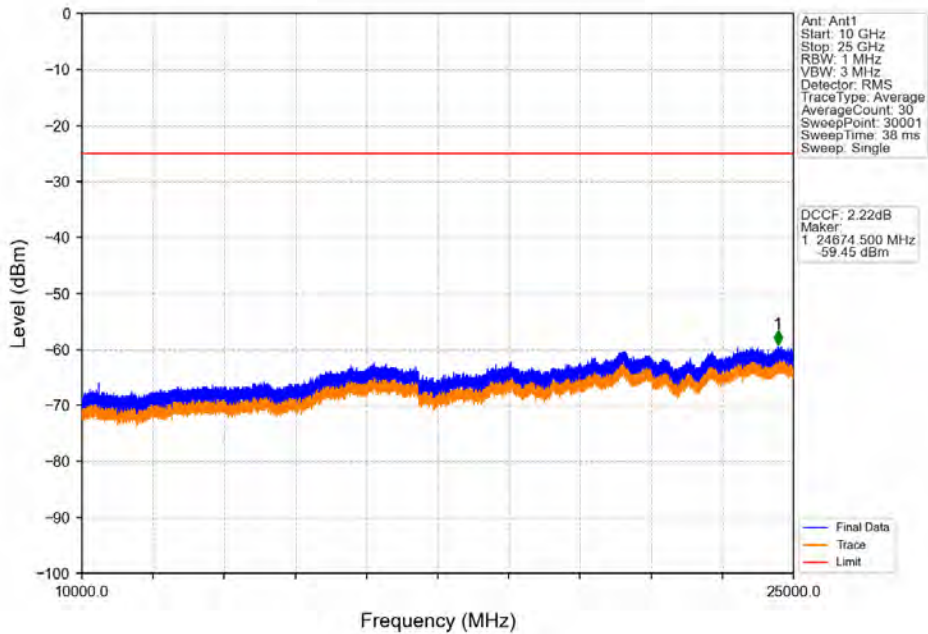


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2484.490	-35.39	-13	Pass
2495	2496	0.2	/	2	2495.946	-32.36	-13	Pass
2496	2511	0.228	/	/	/	/	/	/

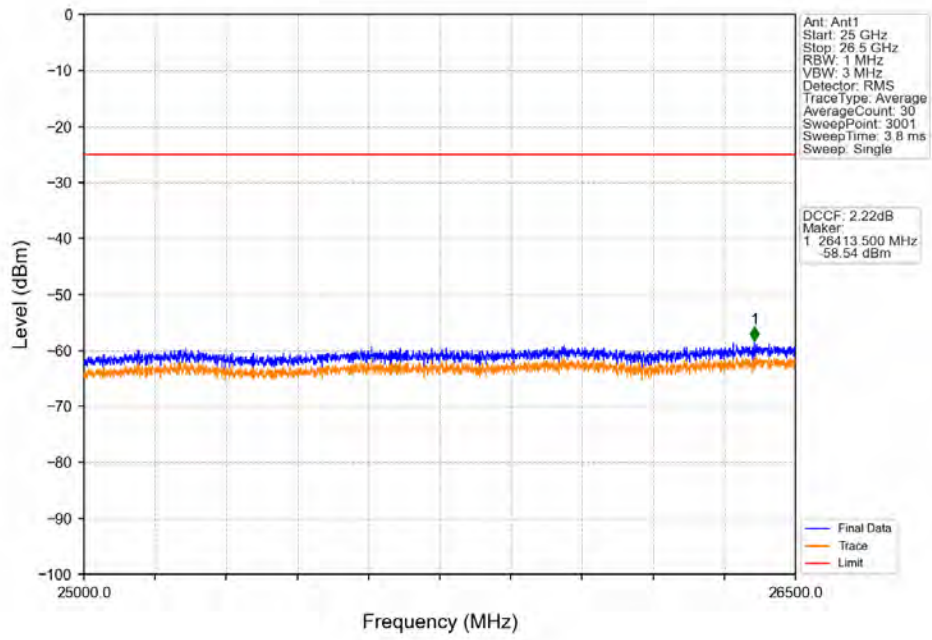
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



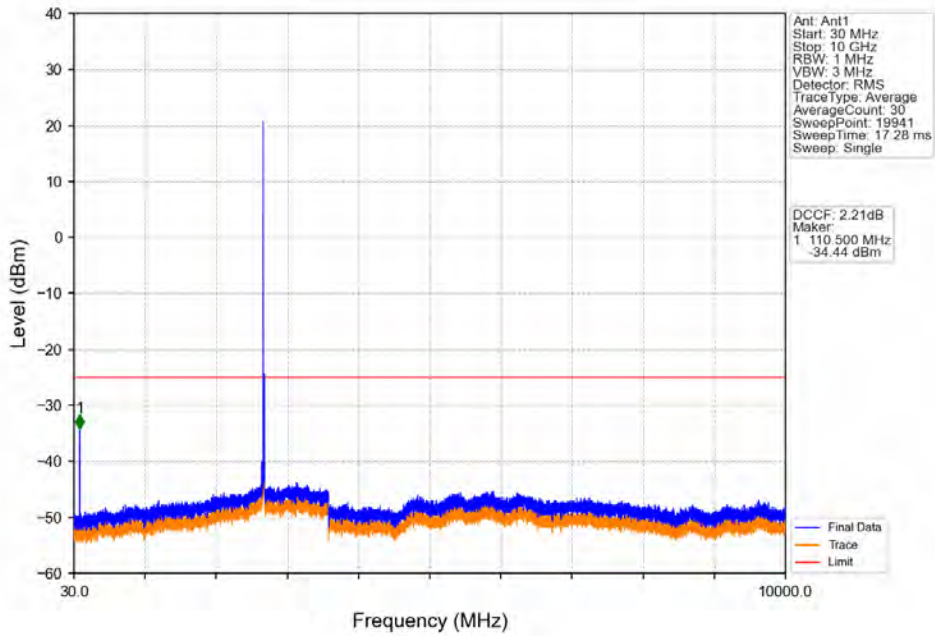
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV

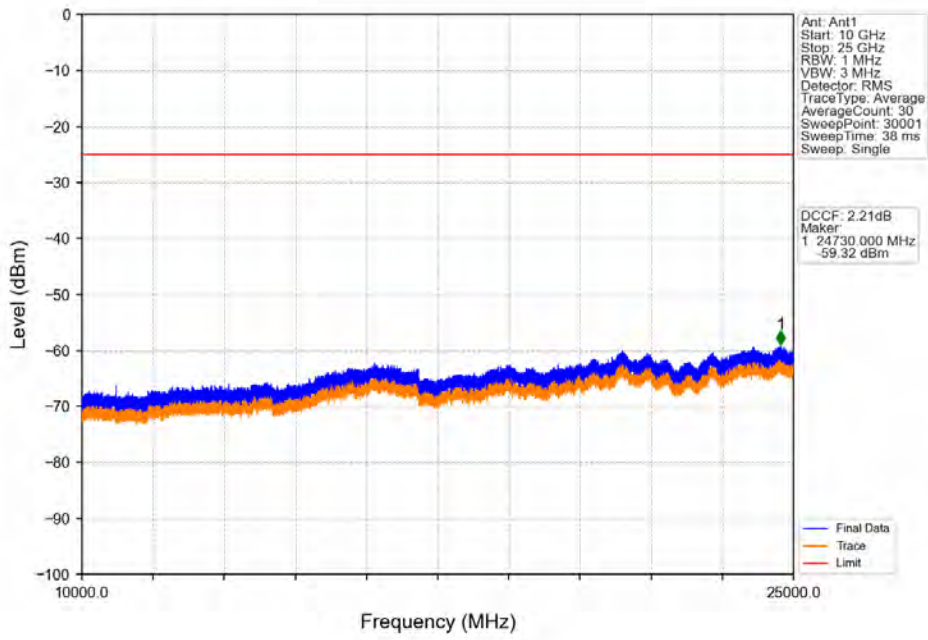


Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV

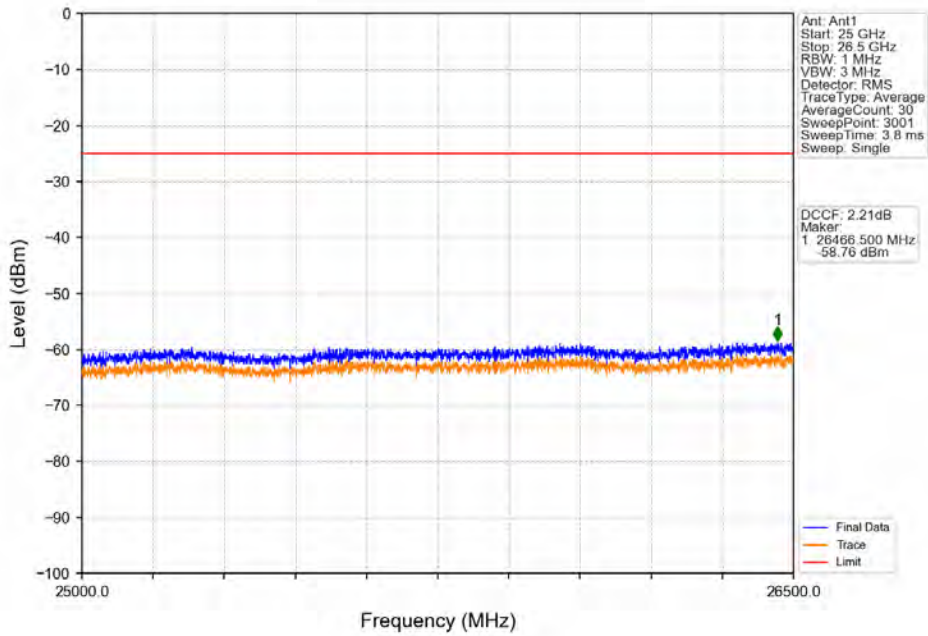




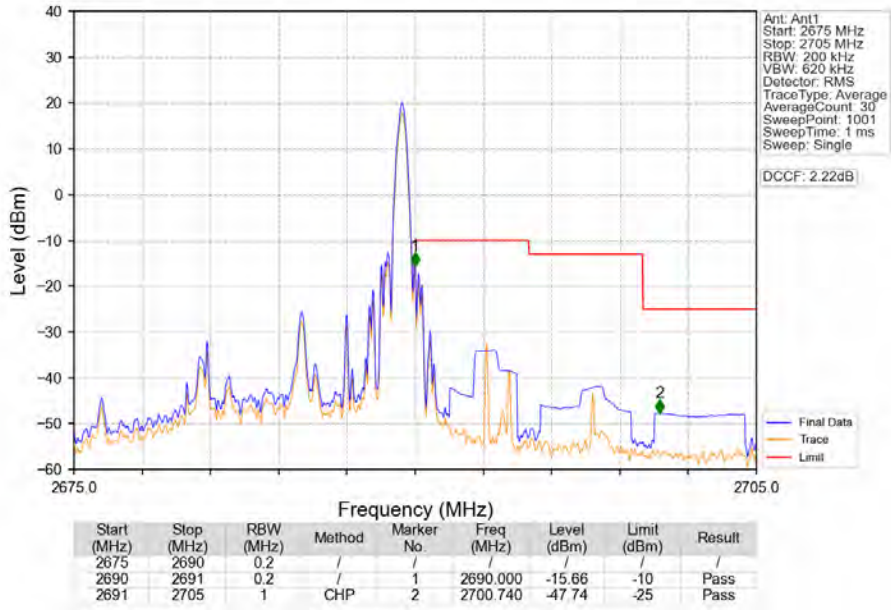
Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV



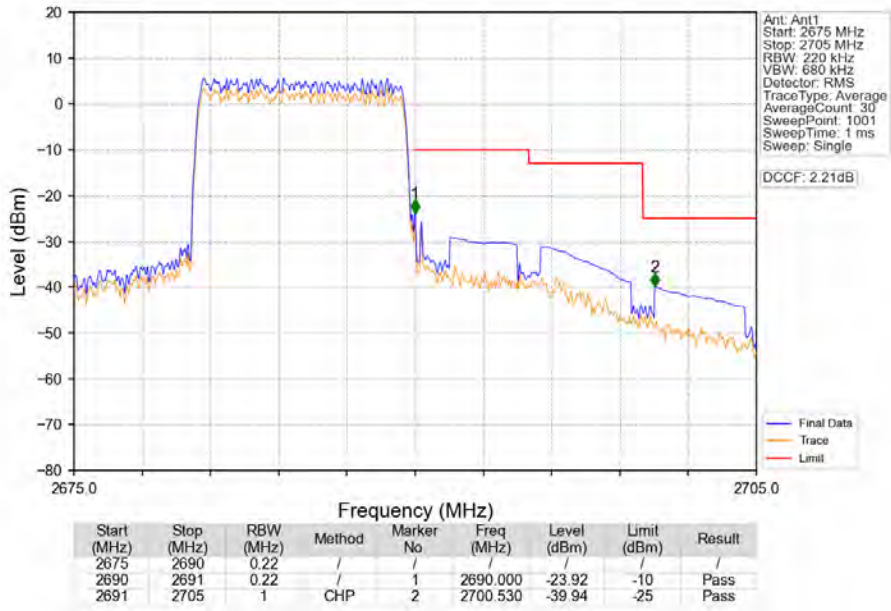
Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_1\_49\_NTNV



Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV



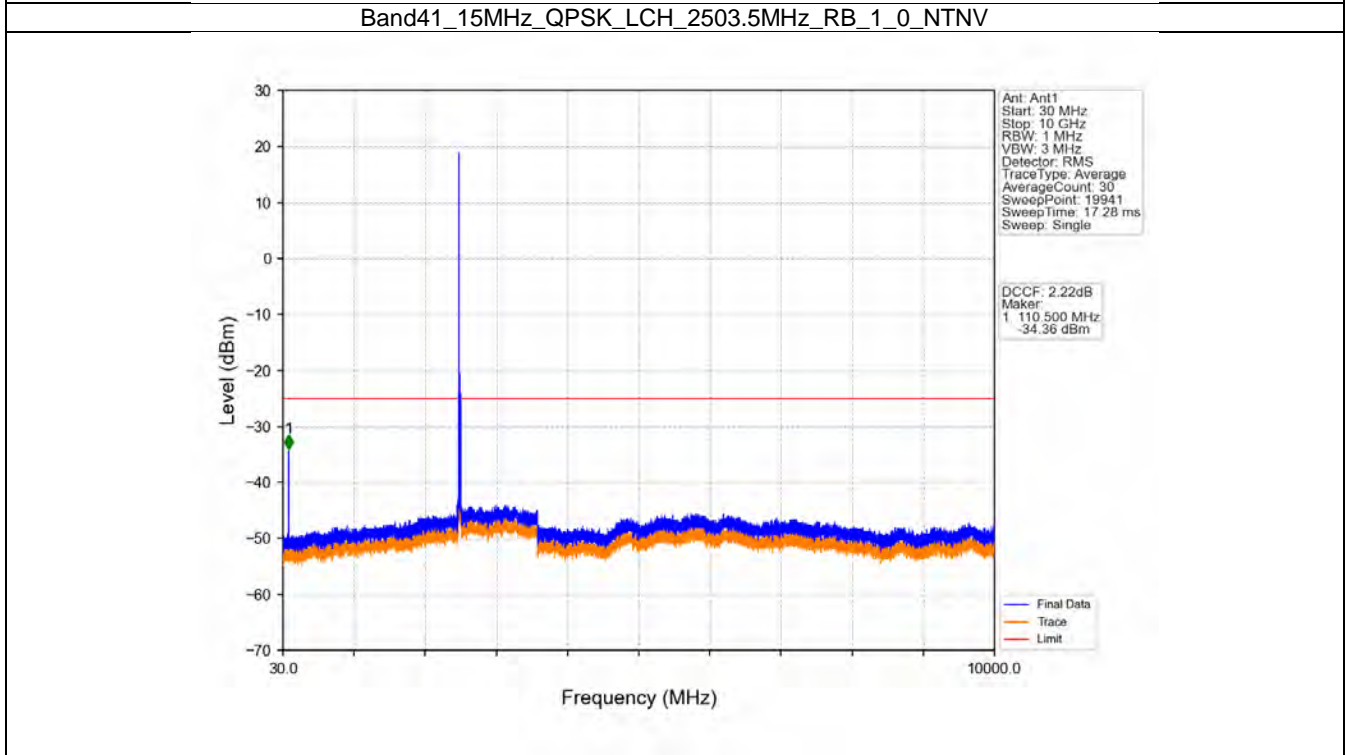
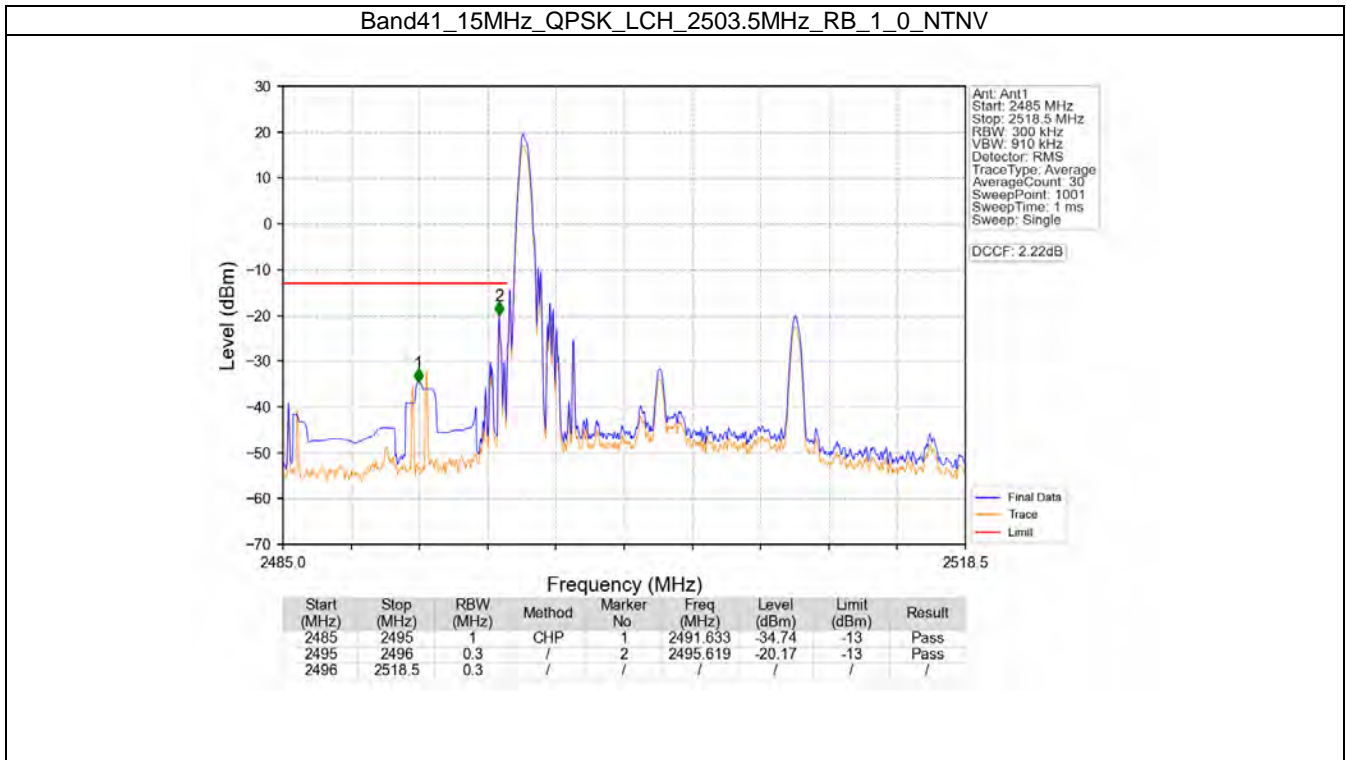
## 6.3 B41\_15MHz

### 6.3.1 Test Result

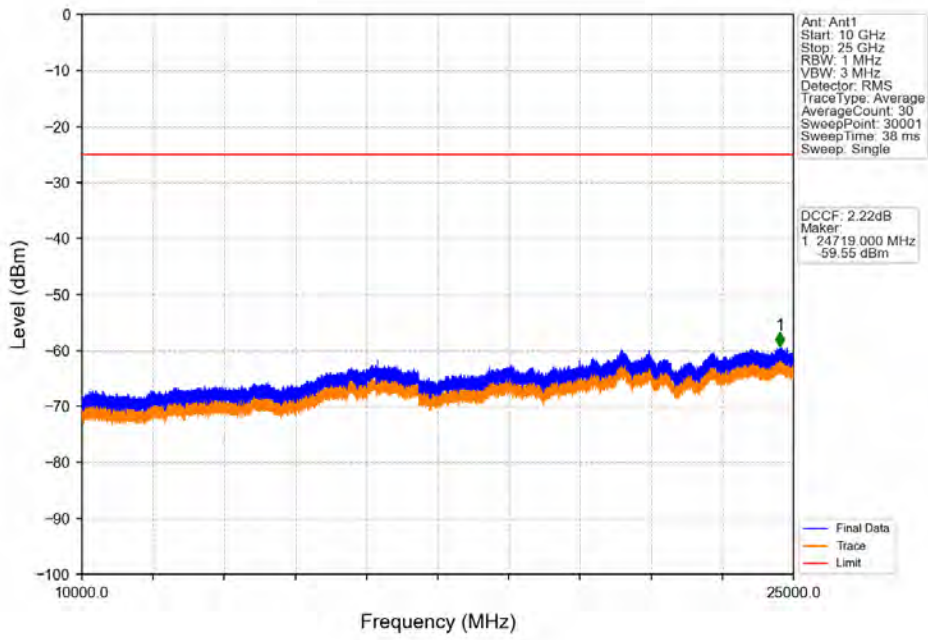
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To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



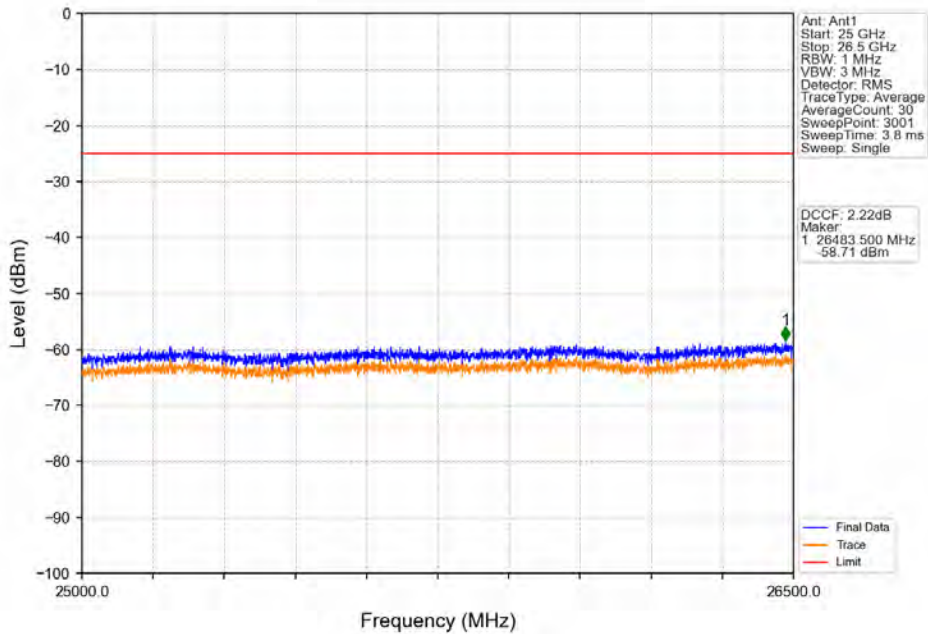
### 6.3.2 Test Graph



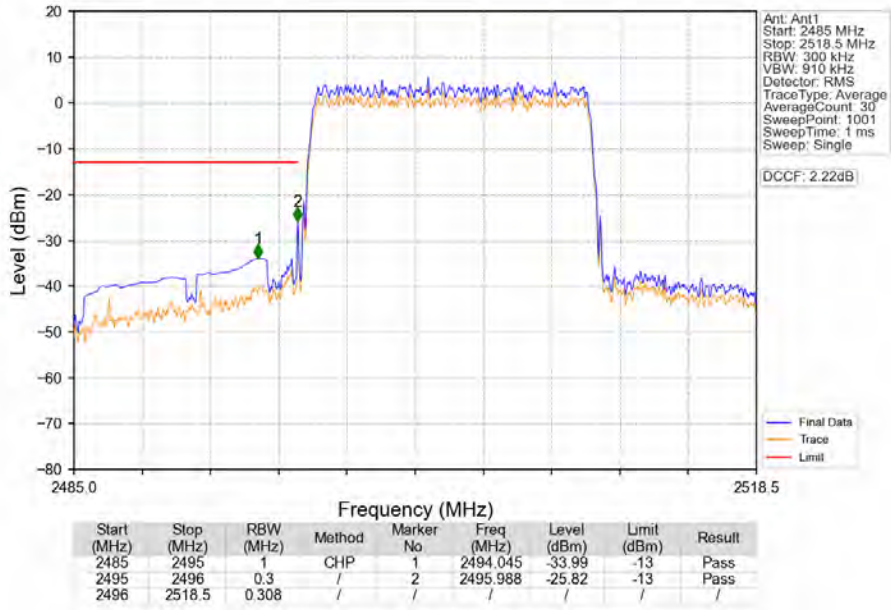
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



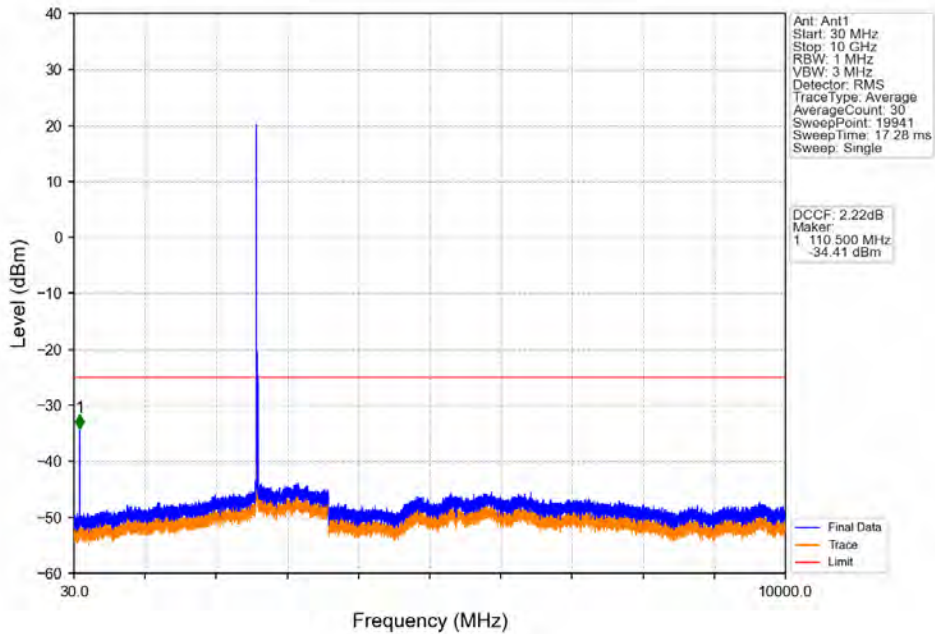
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



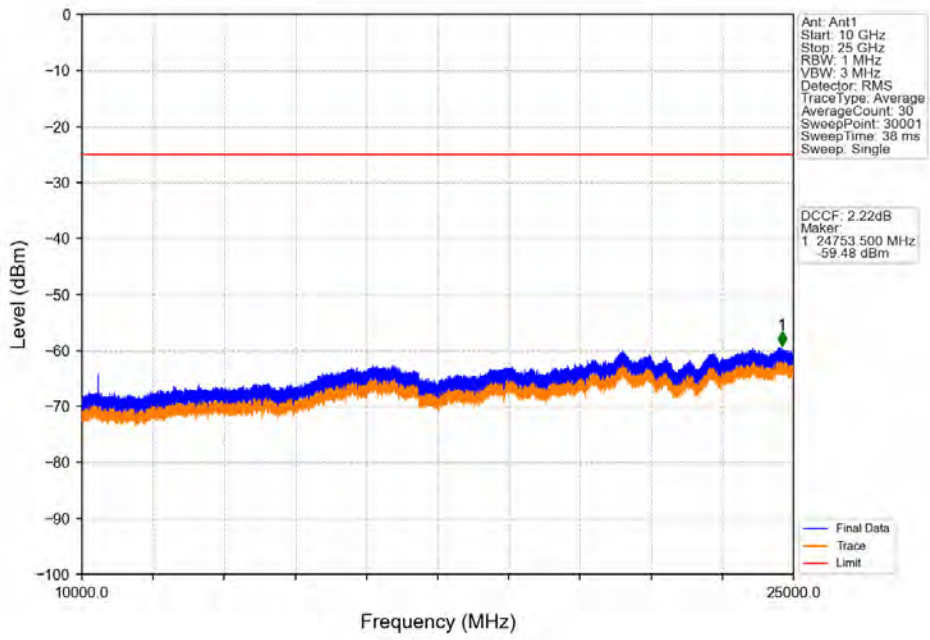
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



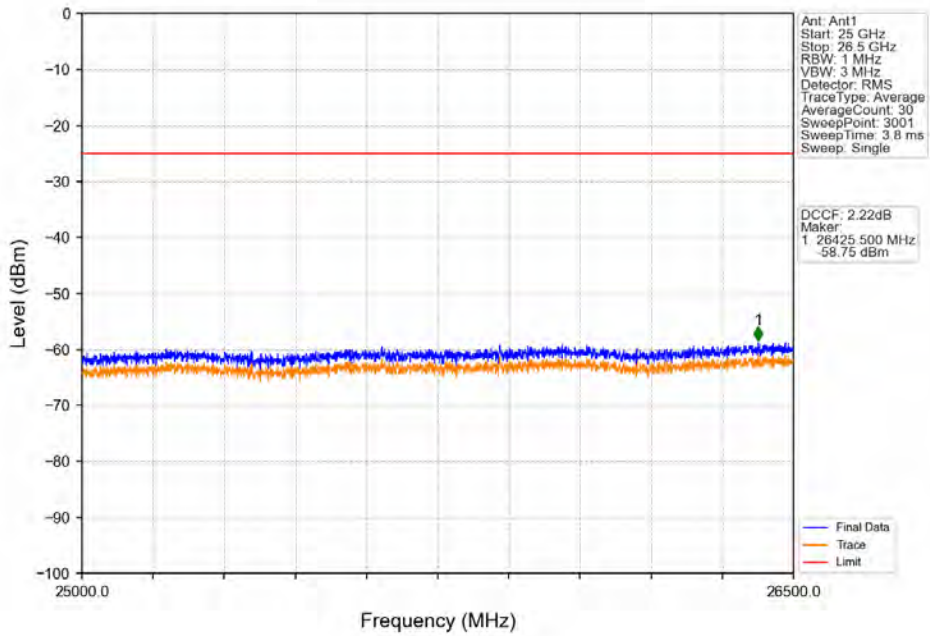
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



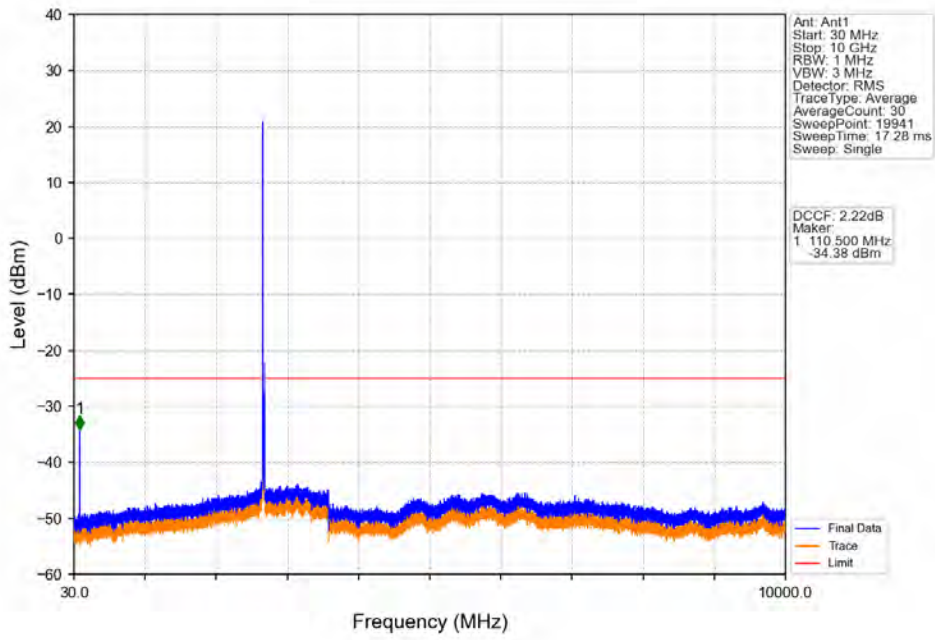
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



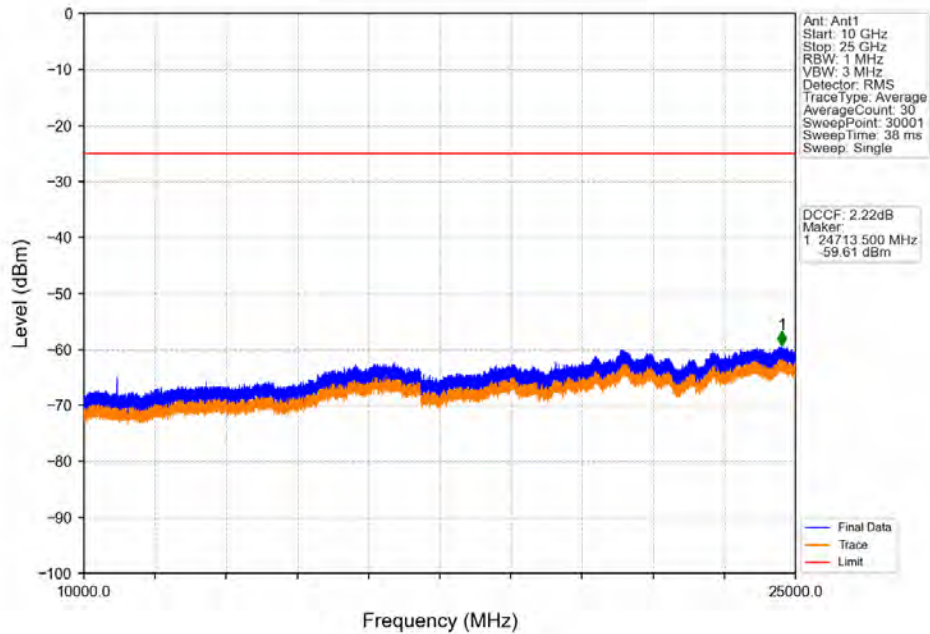
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV

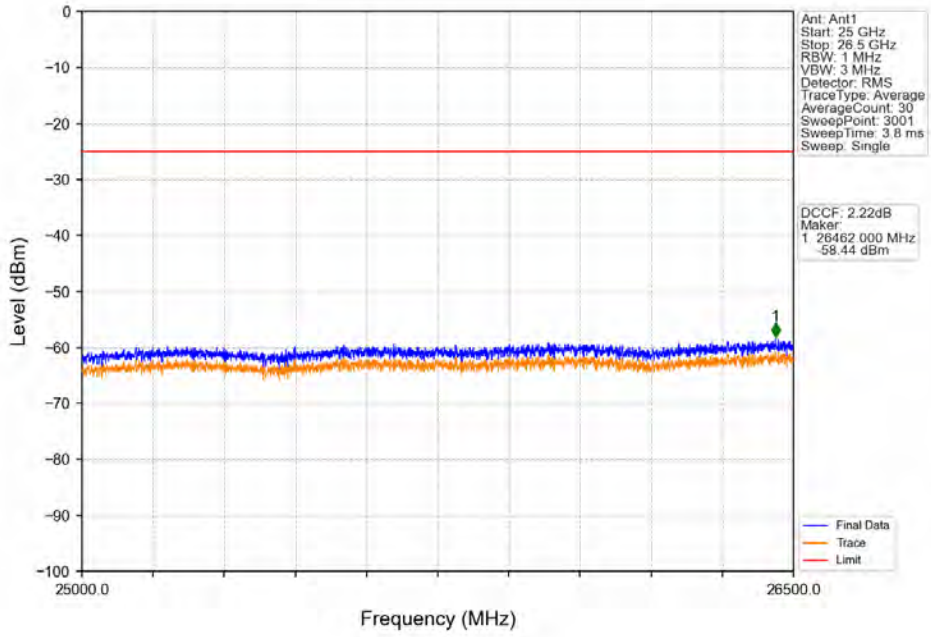


Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV

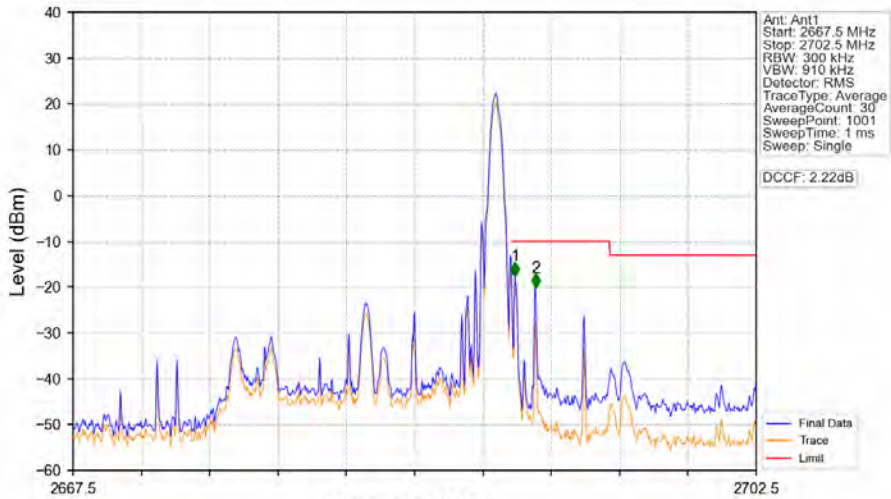




Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV

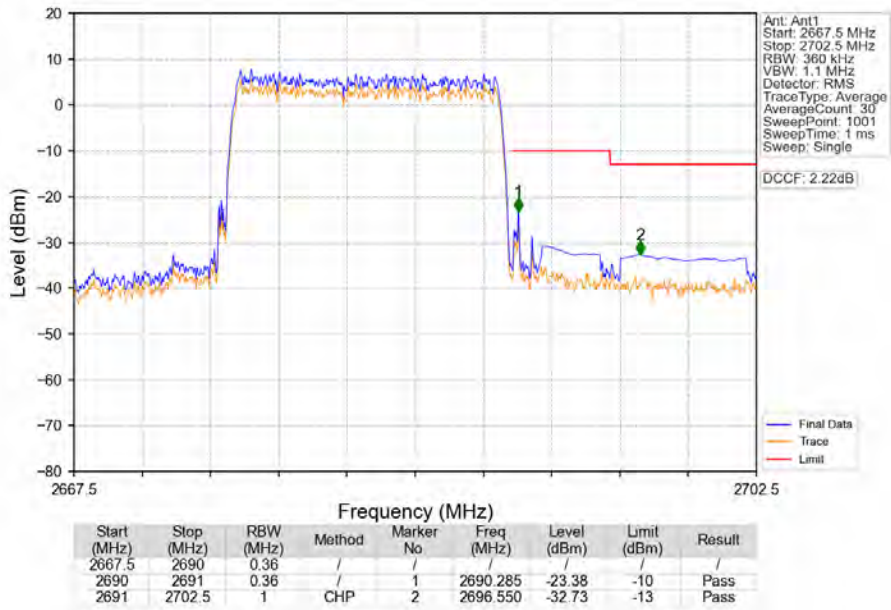


Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_74\_NTNV

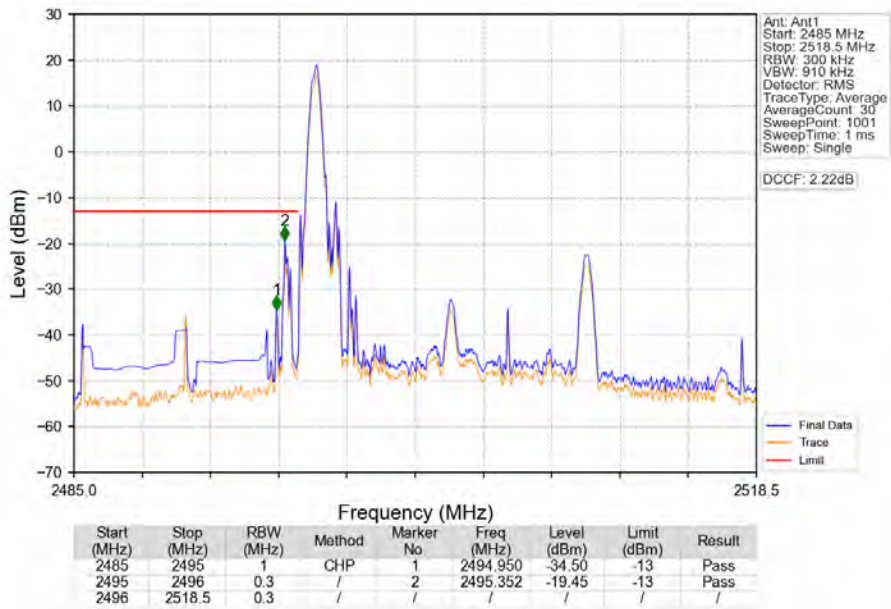


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2667.5	2690	0.3	0	/	/	/	/	/
2690	2691	0.3	0	1	2690.145	-17.59	-10	Pass
2691	2702.5	1	5.23	2	2691.195	-20.21	-10	Pass

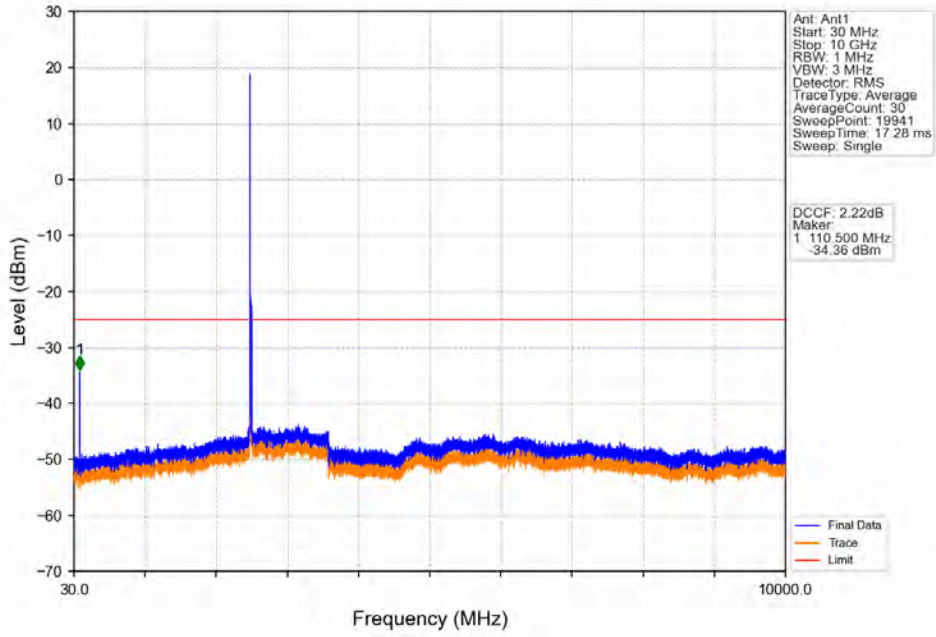
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



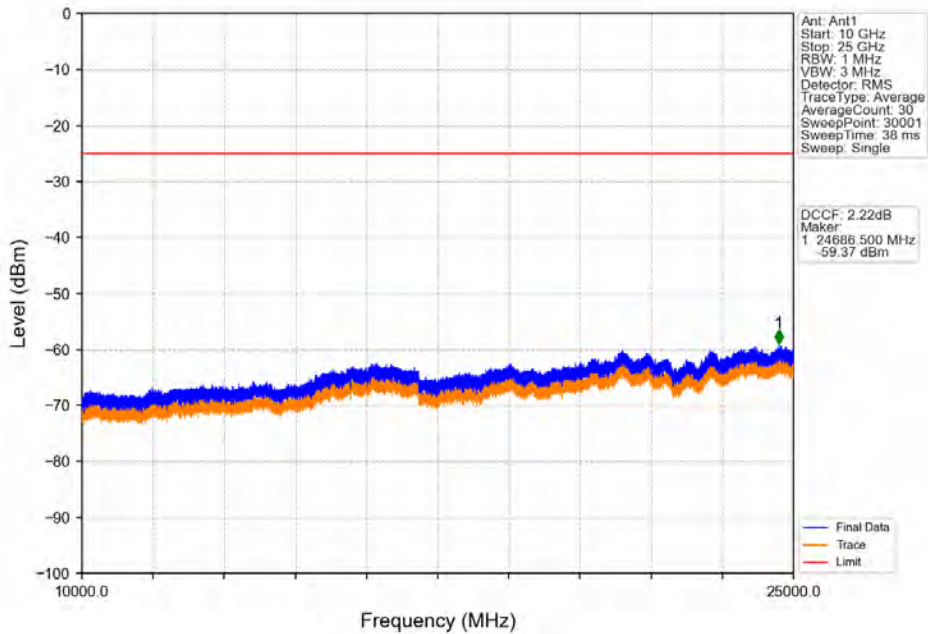
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV

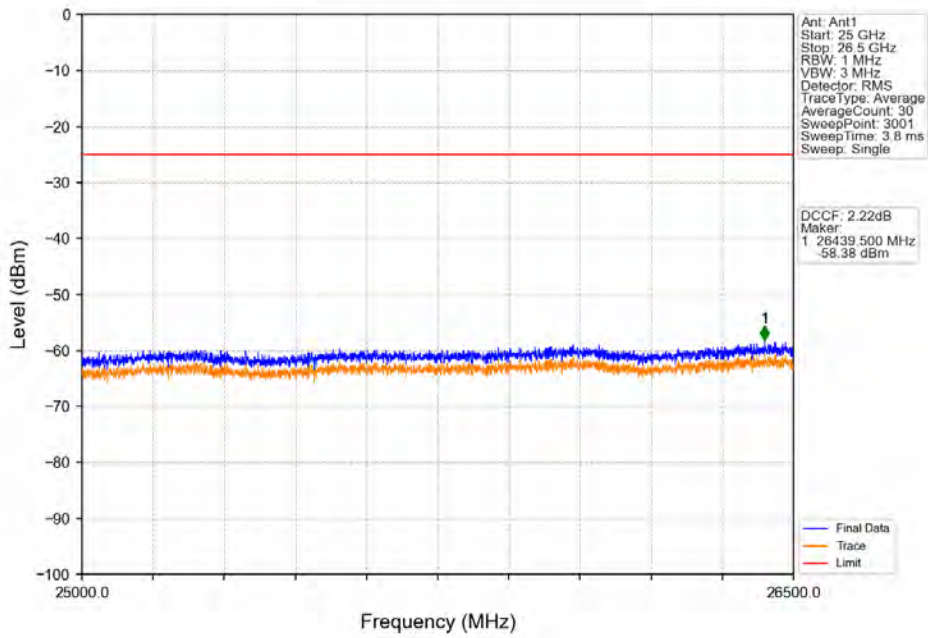


Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV

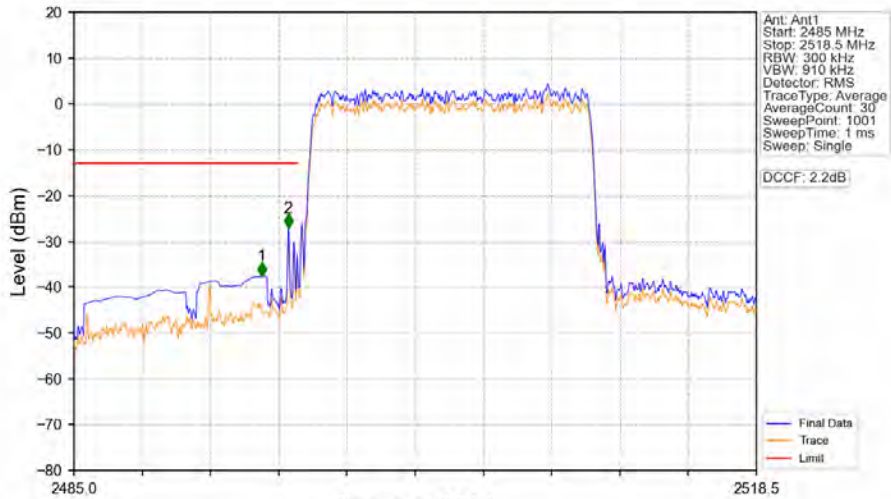




Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV

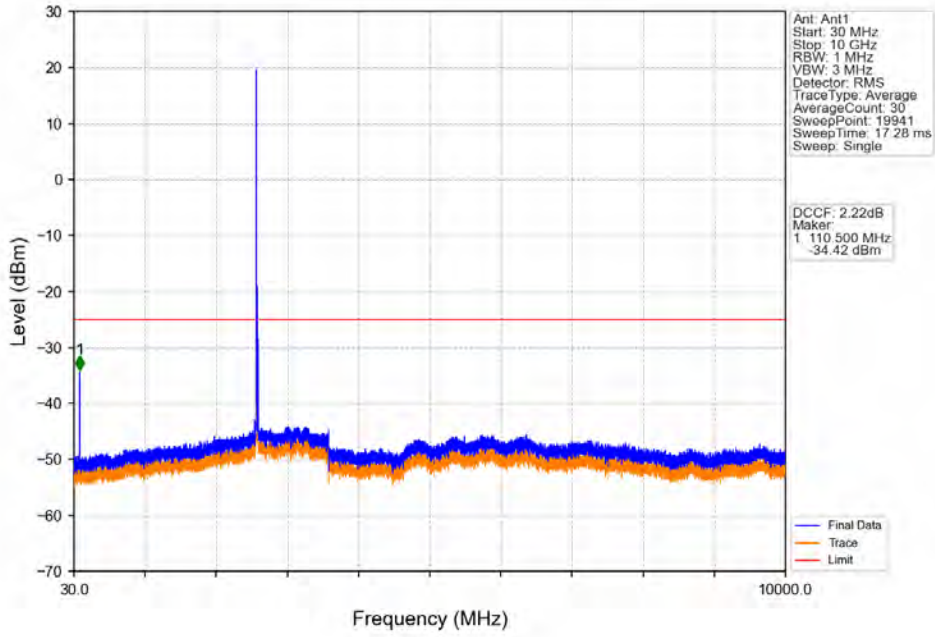


Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV

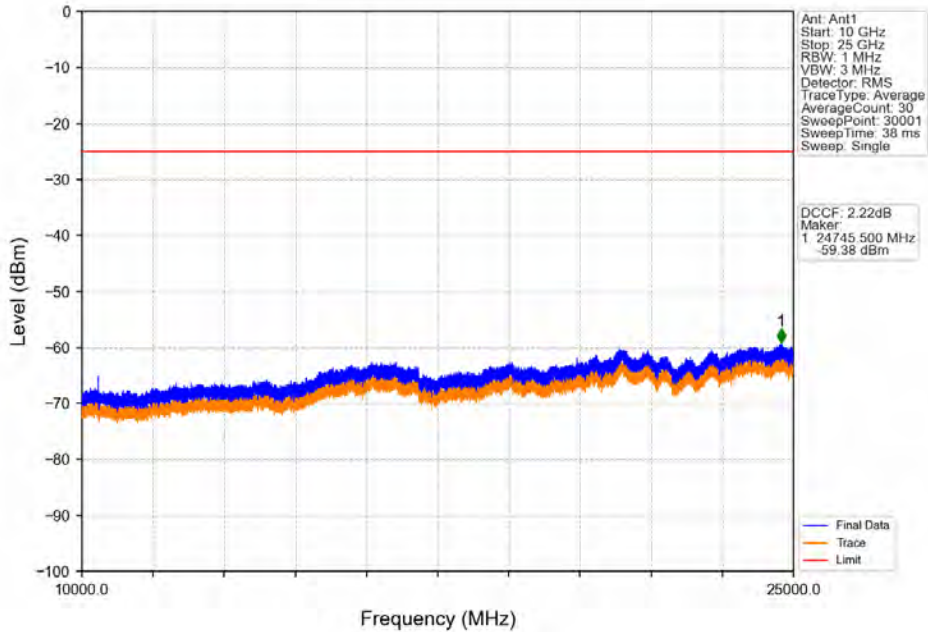


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2494.213	-37.60	-13	Pass
2495	2496	0.3	/	2	2495.519	-27.14	-13	Pass
2496	2518.5	0.357	/	/	/	/	/	/

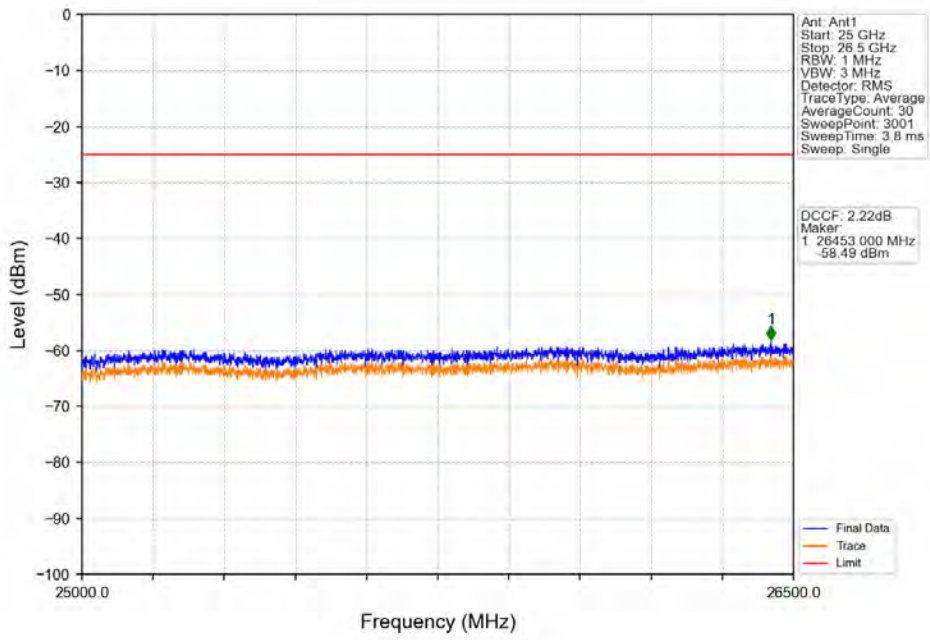
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



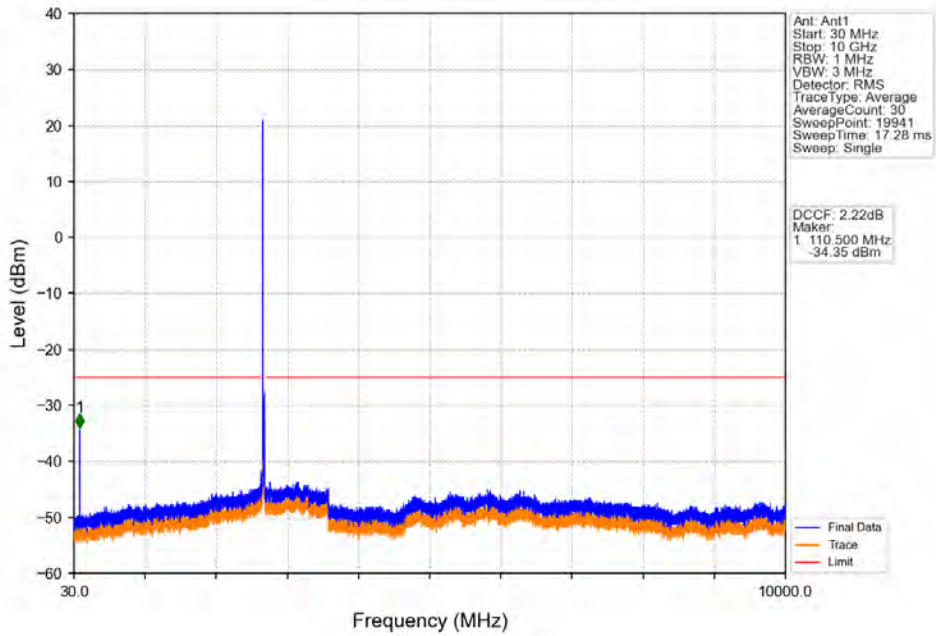
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



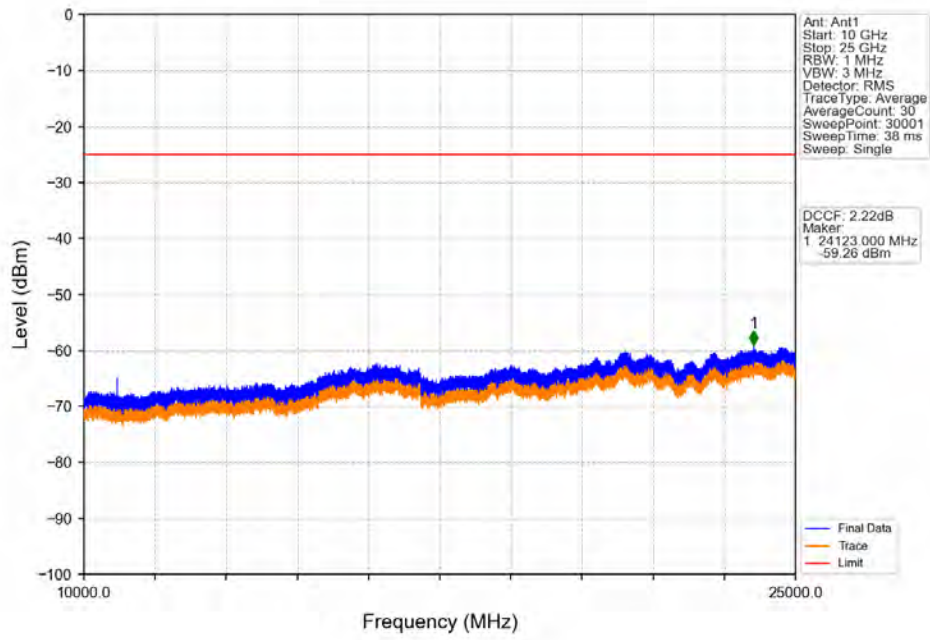
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



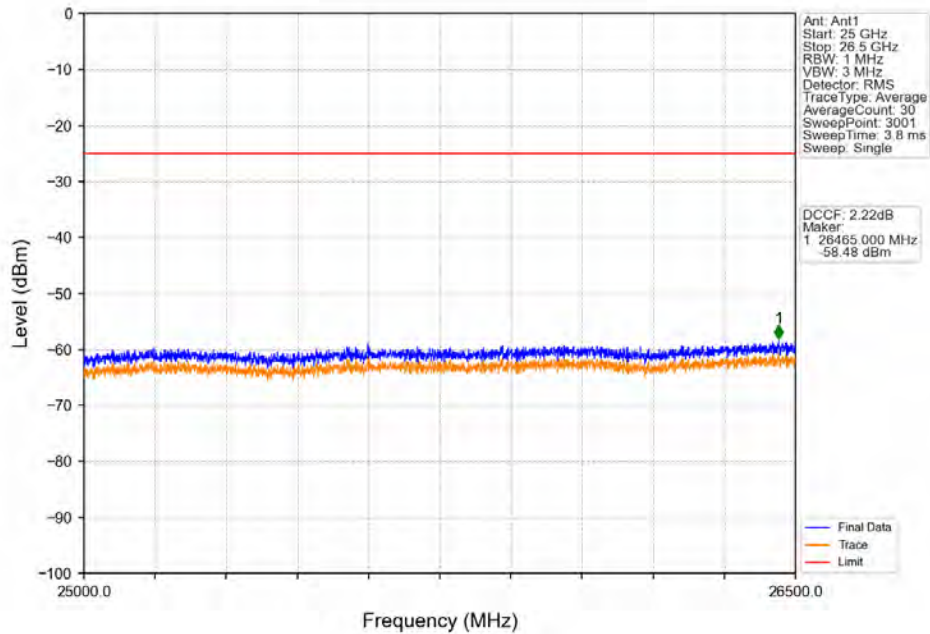
Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV



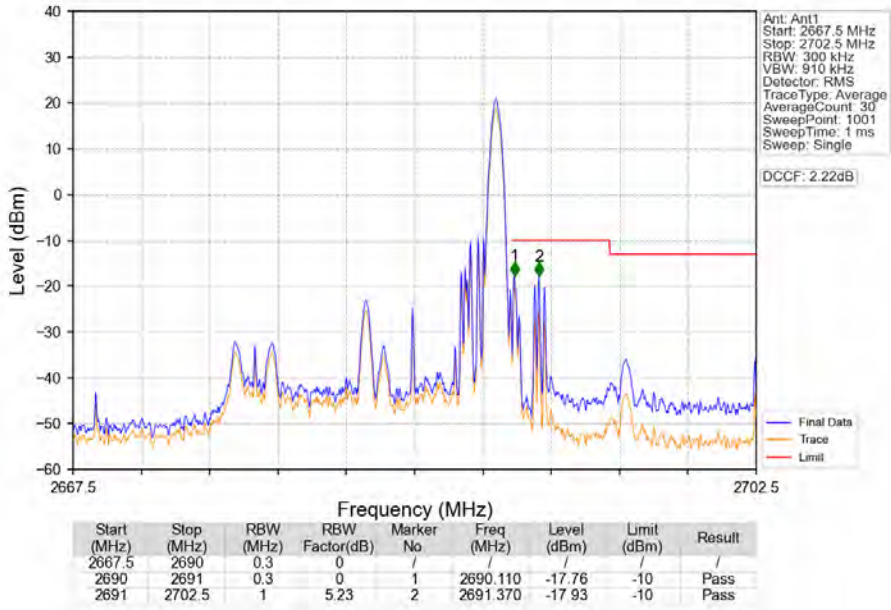
Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV



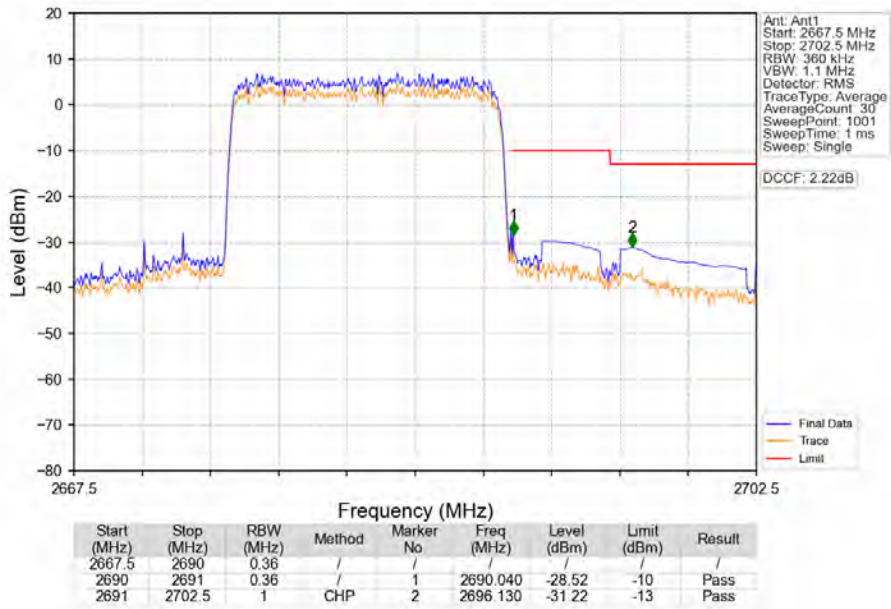
Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV



Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_1\_74\_NTNV



Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



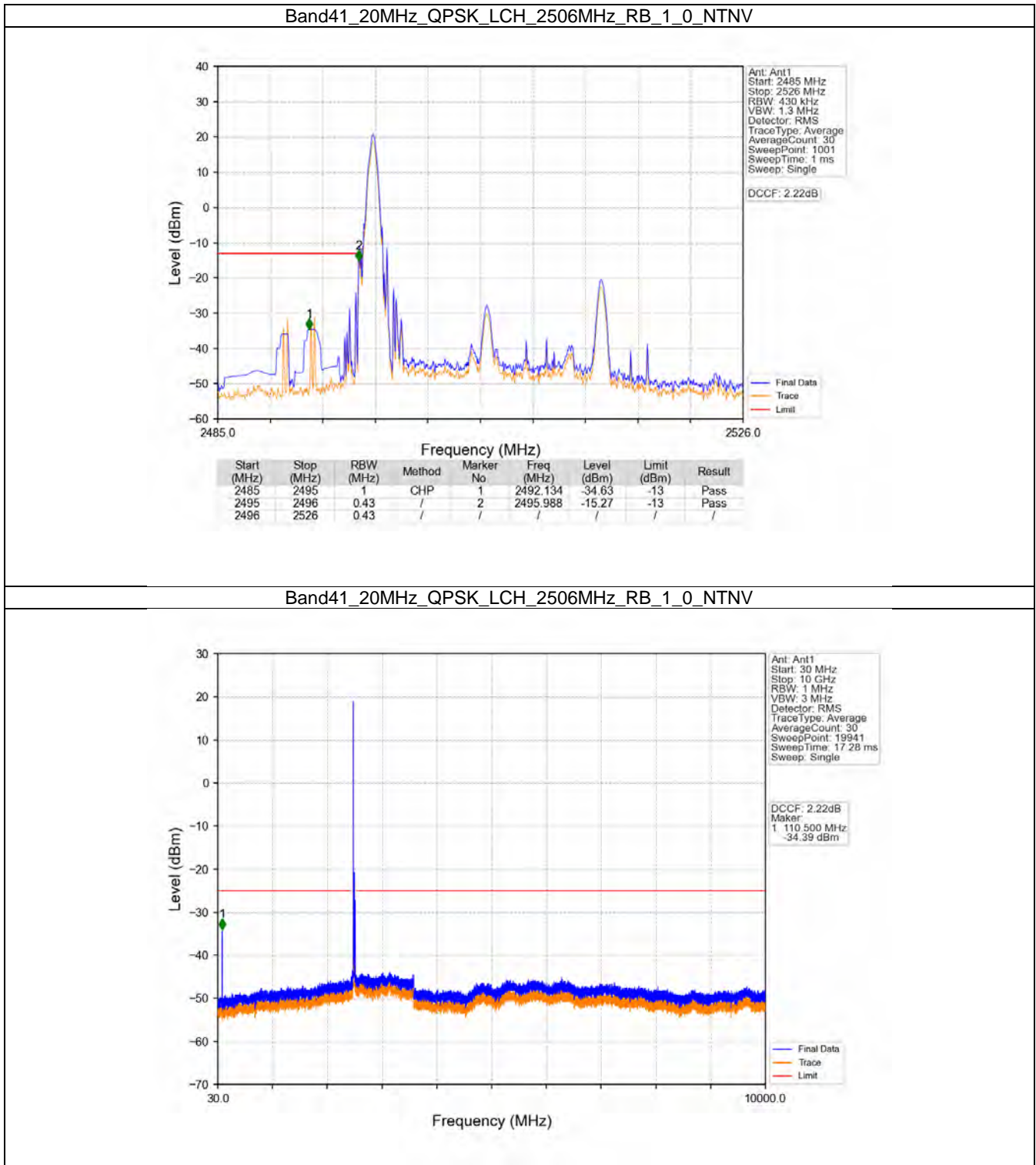
## 6.4 B41\_20MHz

### 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
	2680	1	0	Refer To Test Graph		Pass
		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
	2680	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

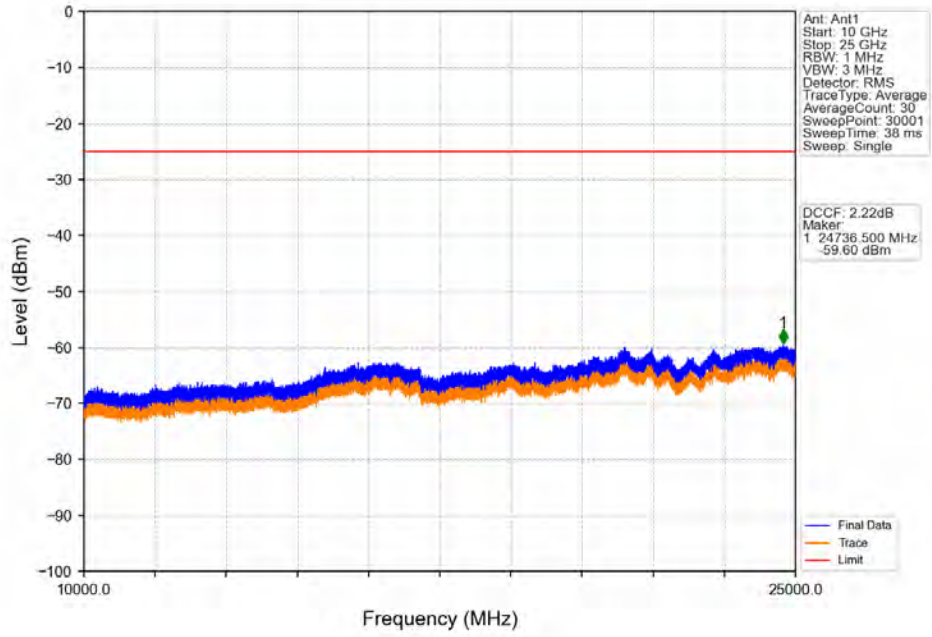


### 6.4.2 Test Graph

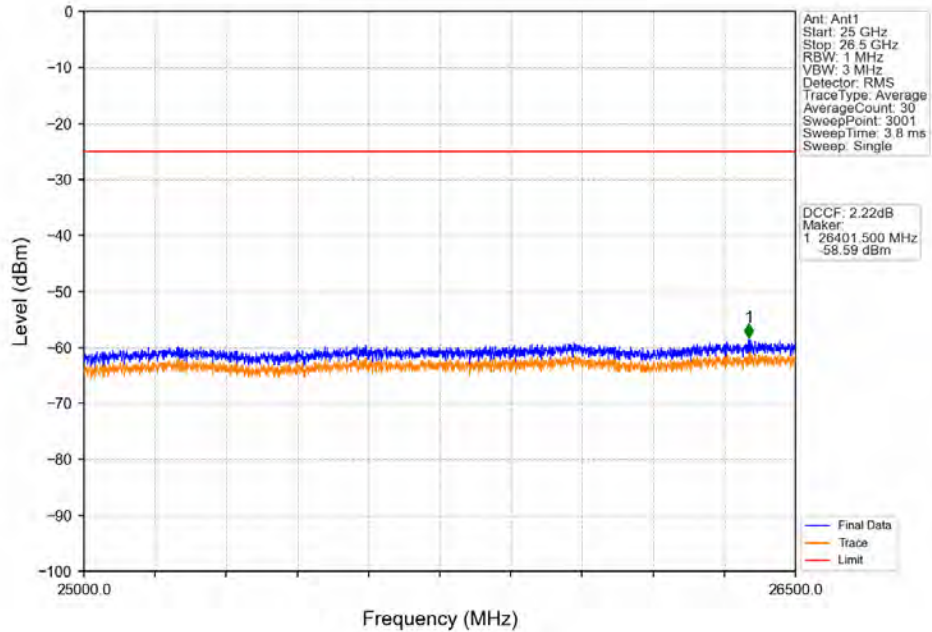




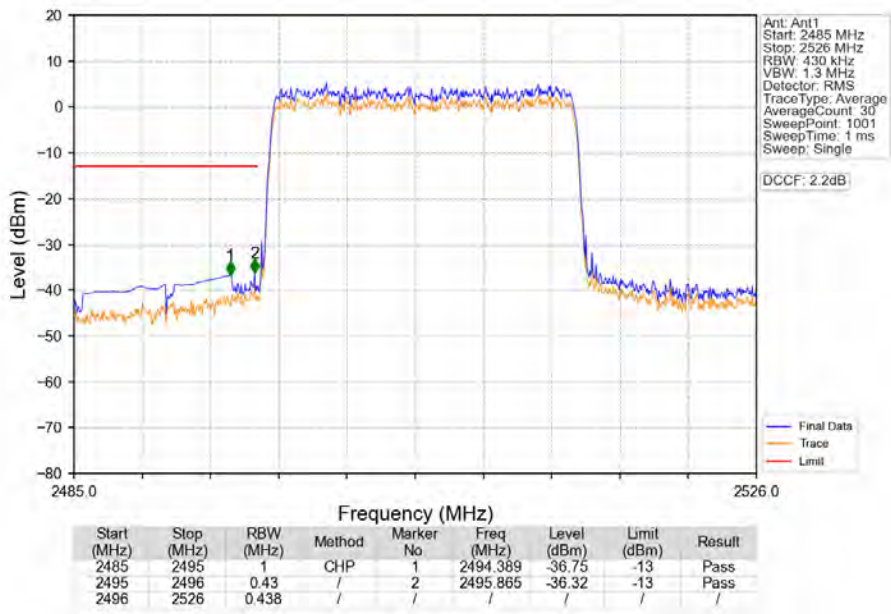
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV



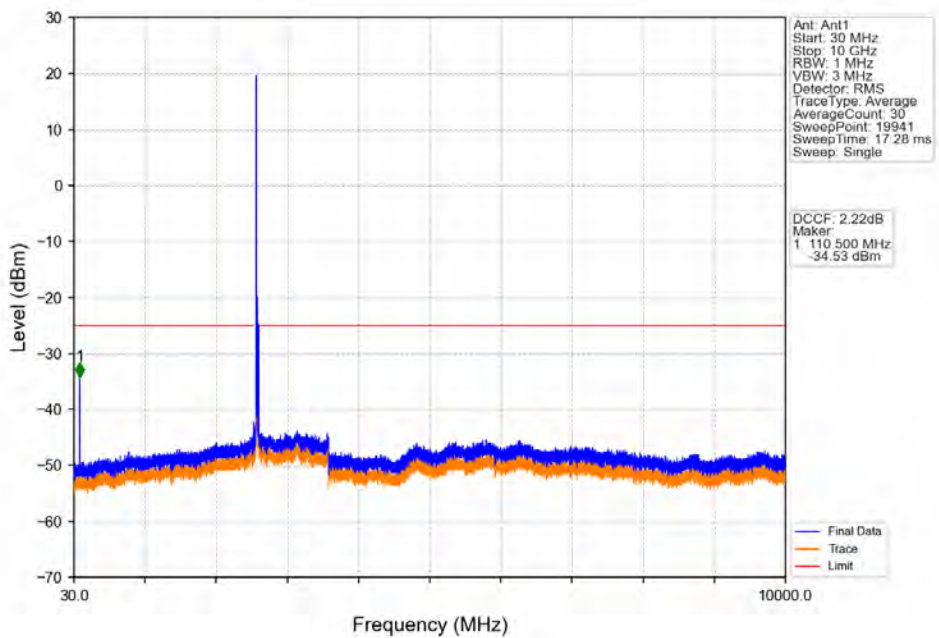
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV



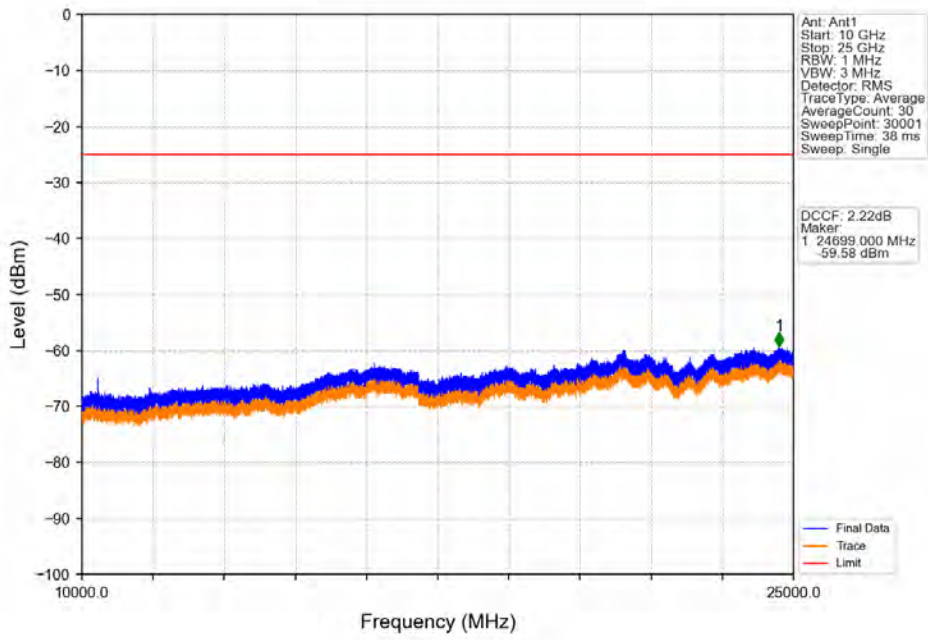
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



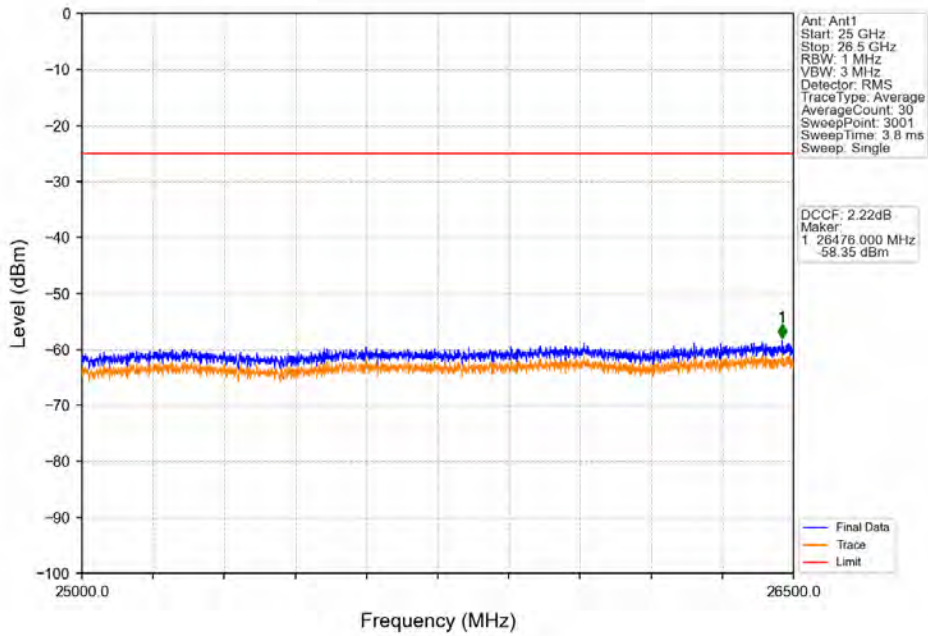
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



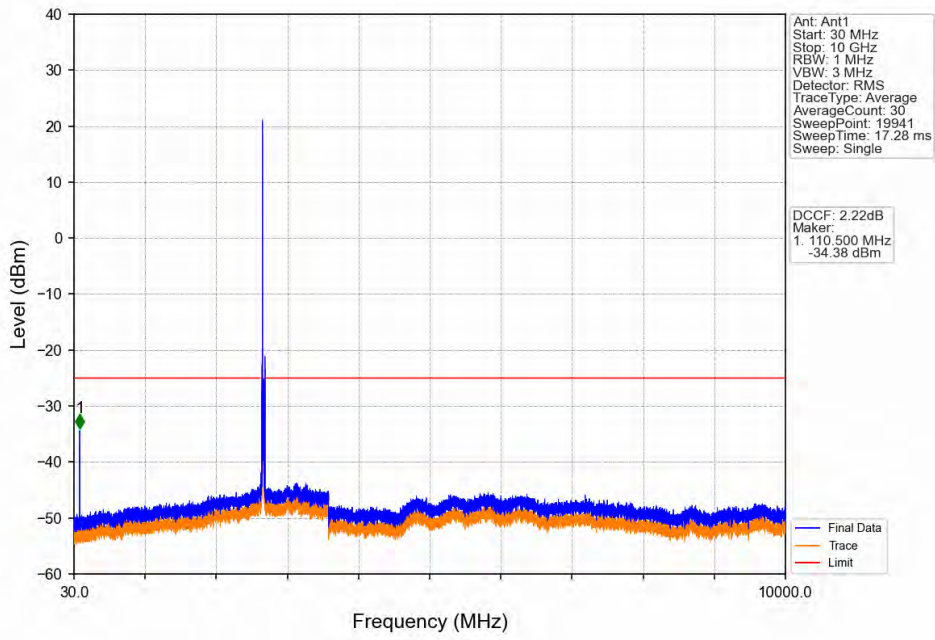
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



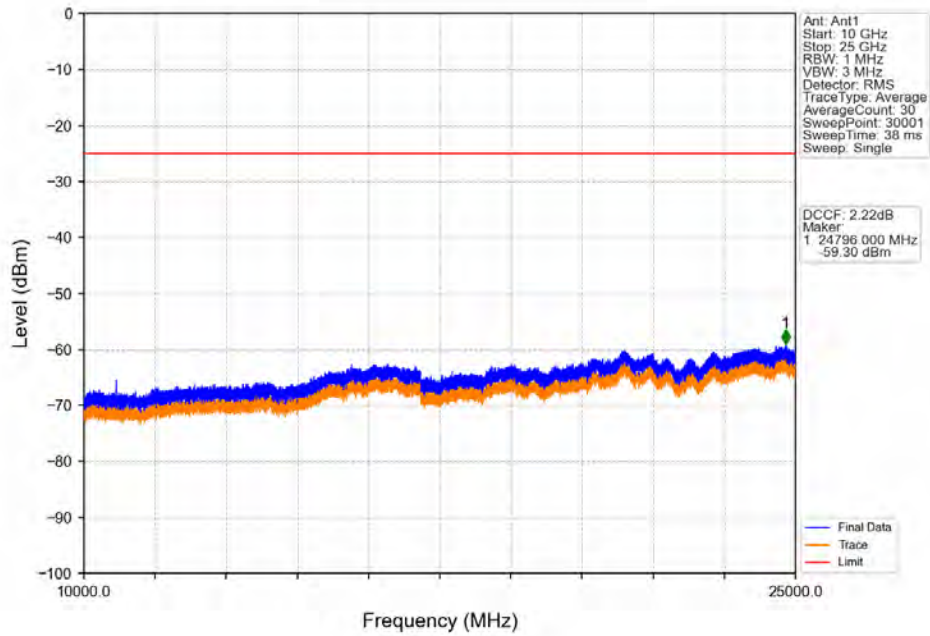
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



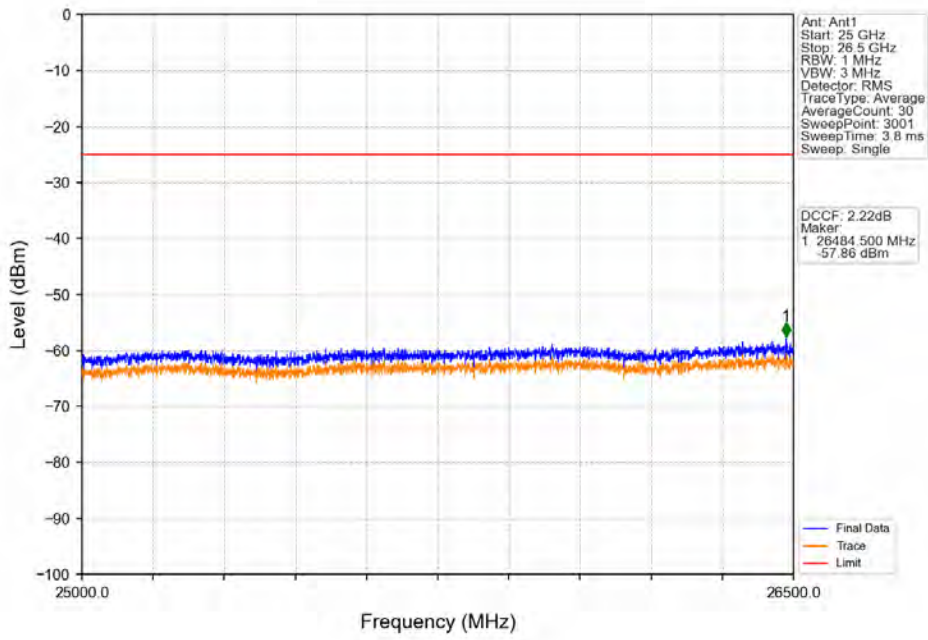
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



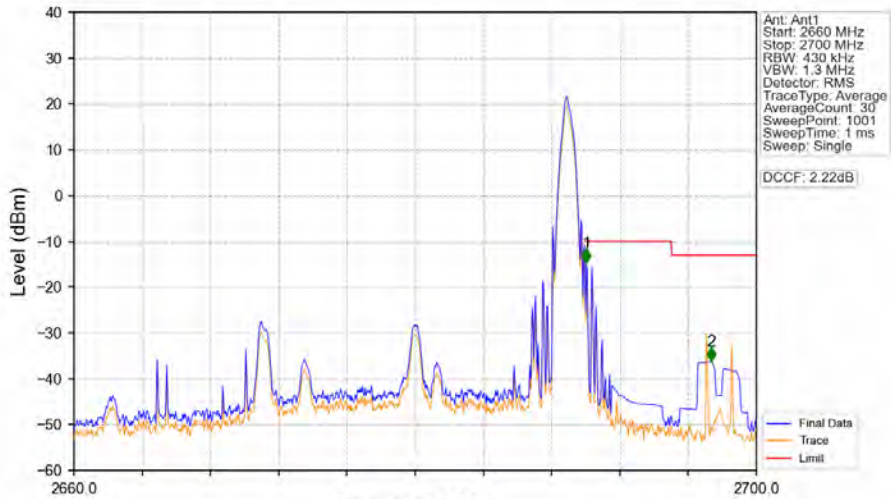
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



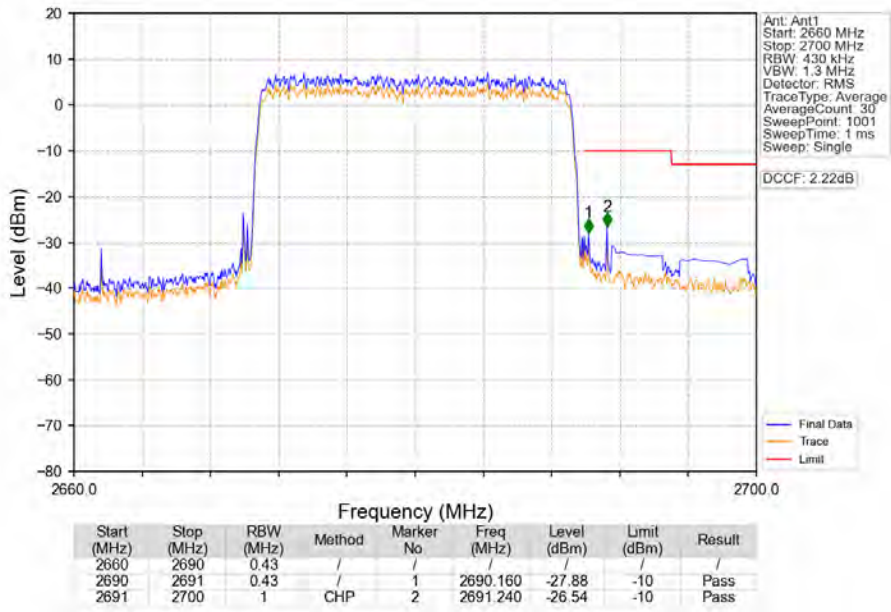
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_99\_NTNV



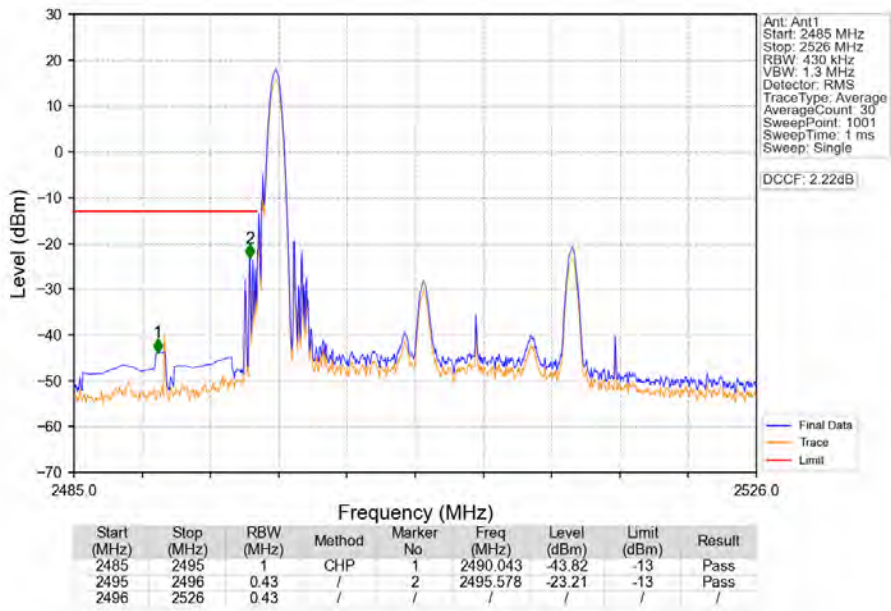
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2660	2690	0.43	/	1	2690.040	-14.72	-10	Pass
2690	2691	0.43	/	1	2690.040	-14.72	-10	Pass
2691	2700	1	CHP	2	2697.360	-36.18	-13	Pass



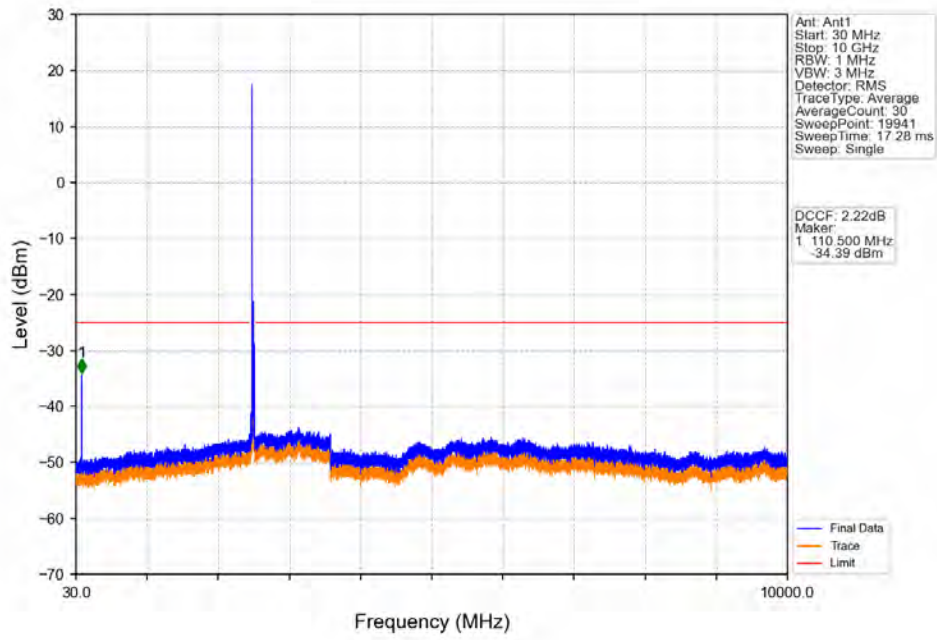
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



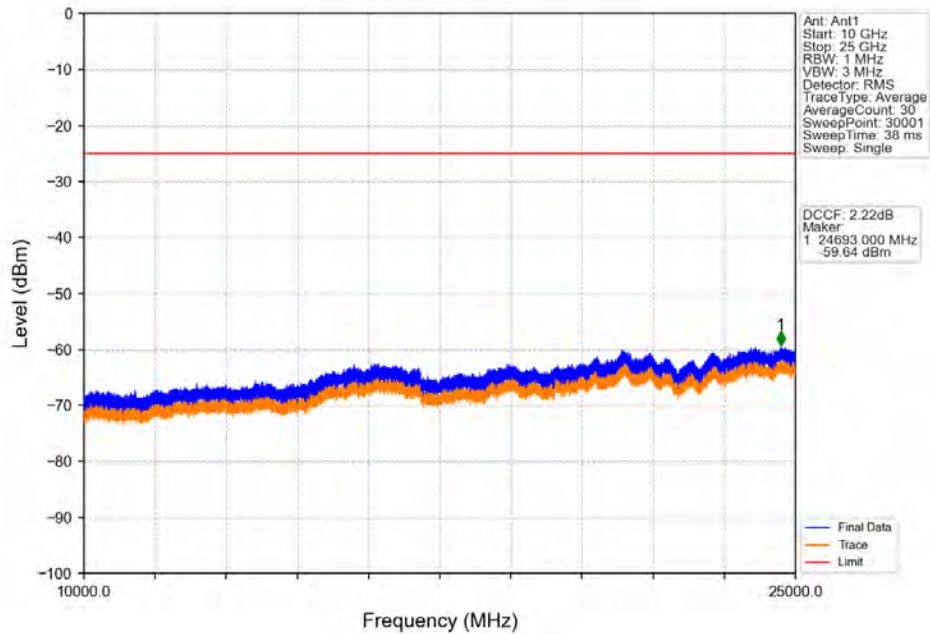
Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV



Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV

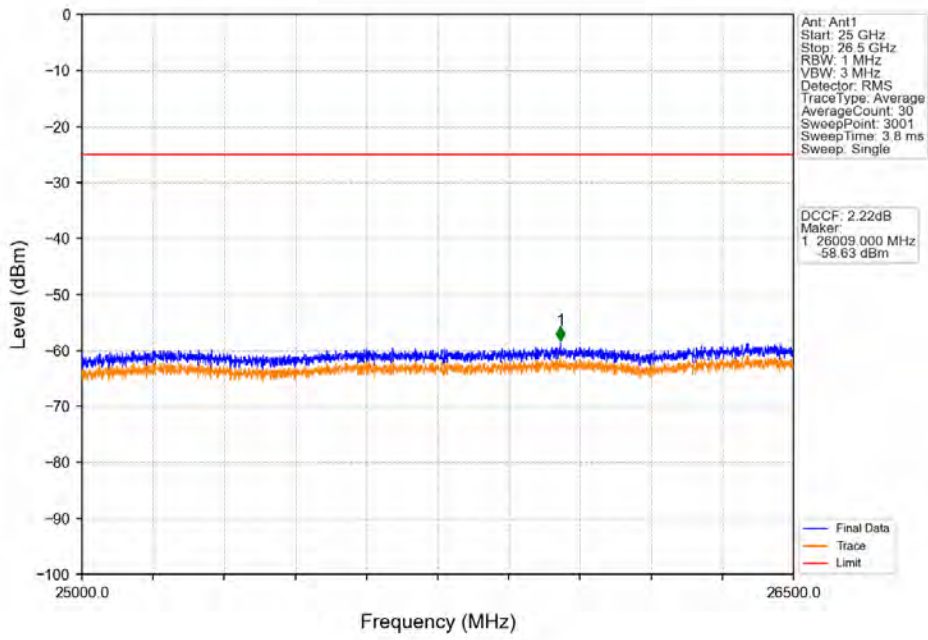


Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV

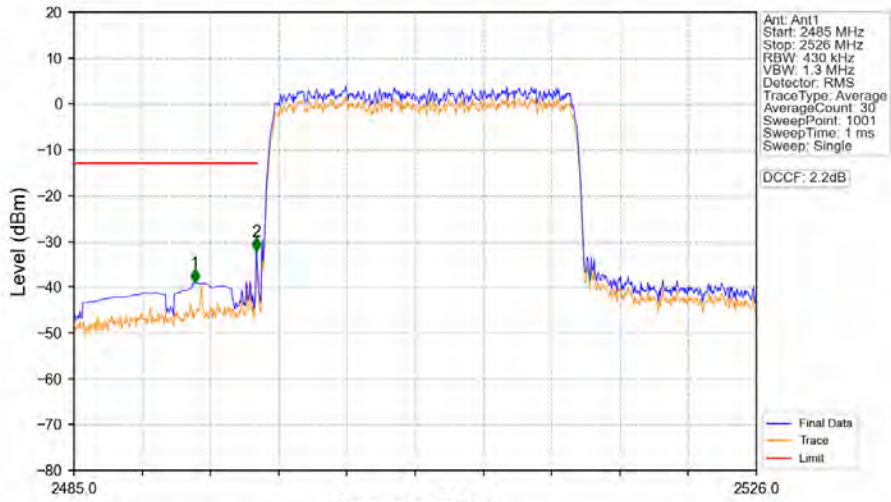




Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV

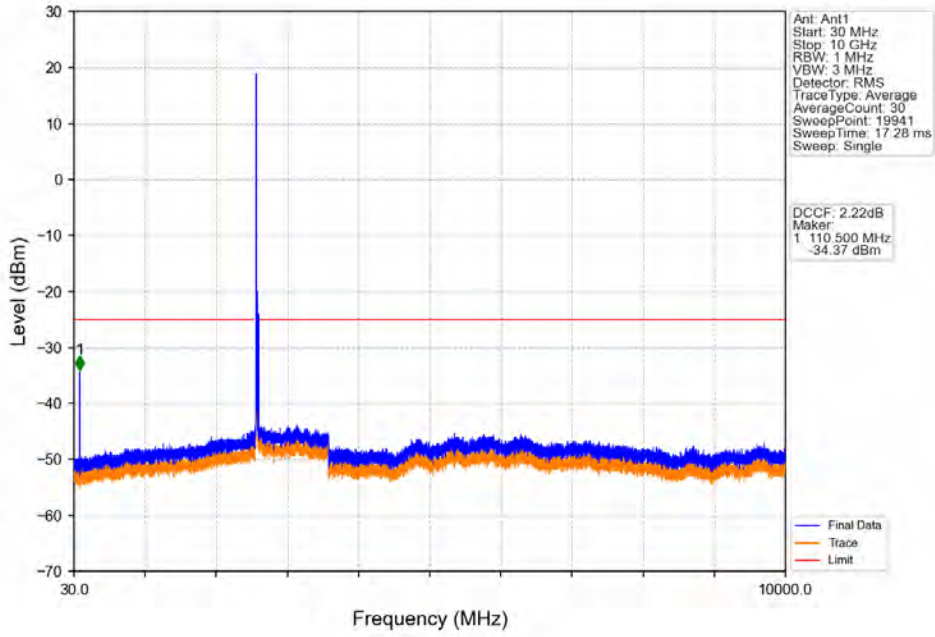


Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV

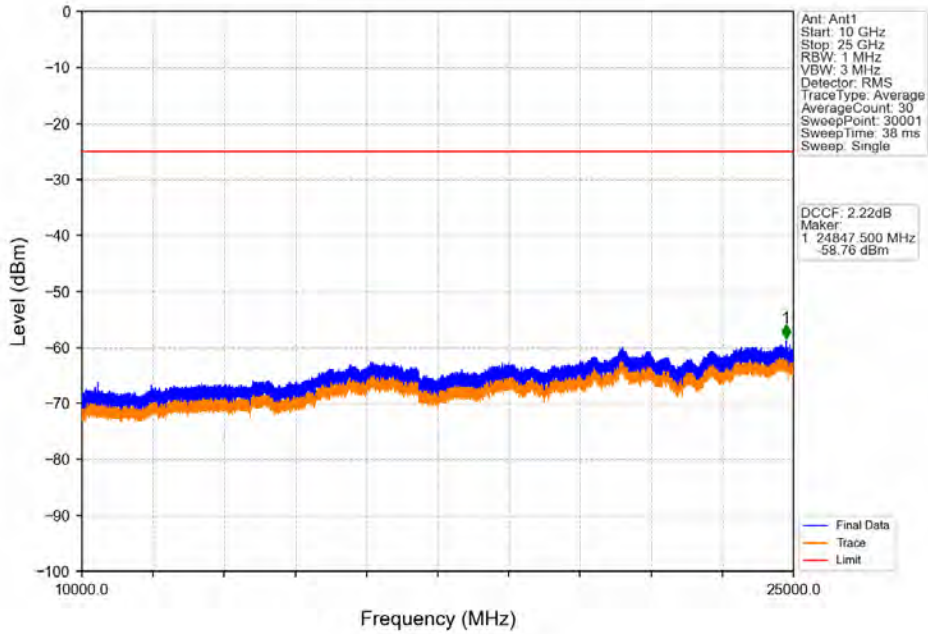


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2492.257	-39.07	-13	Pass
2495	2496	0.43	/	2	2495.947	-32.15	-13	Pass
2496	2526	0.43	/	/	/	/	/	/

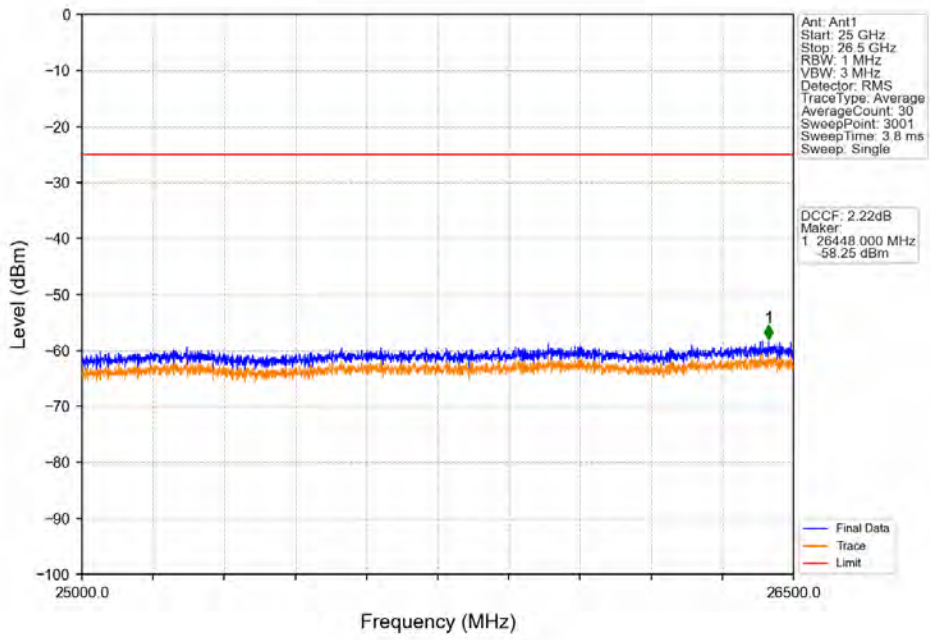
Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



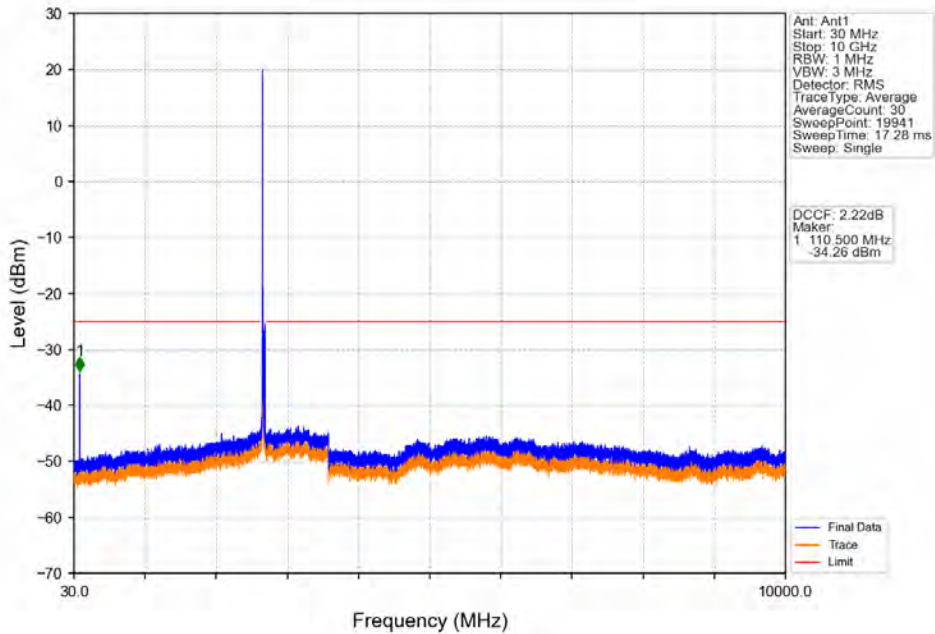
Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



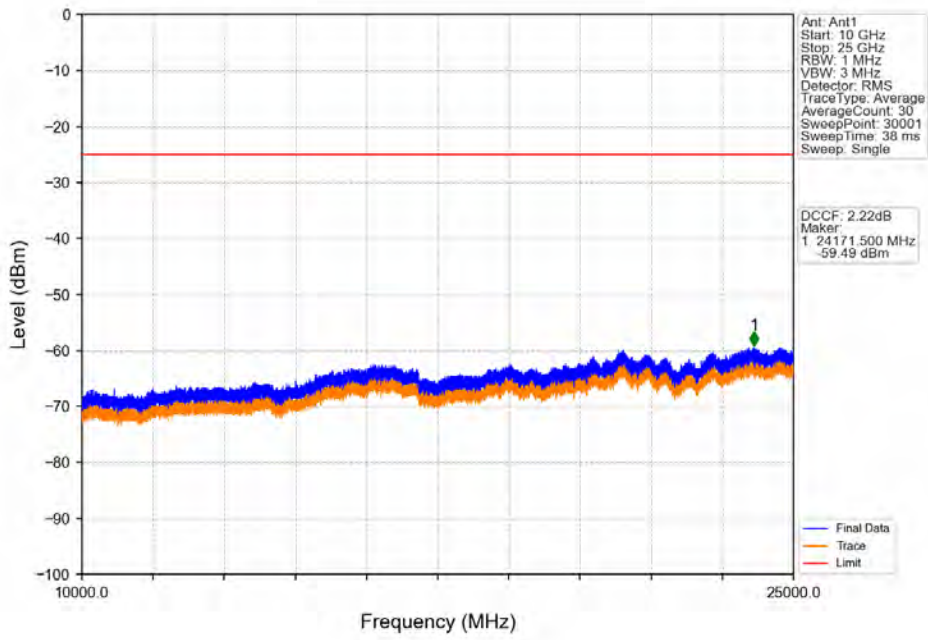
Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



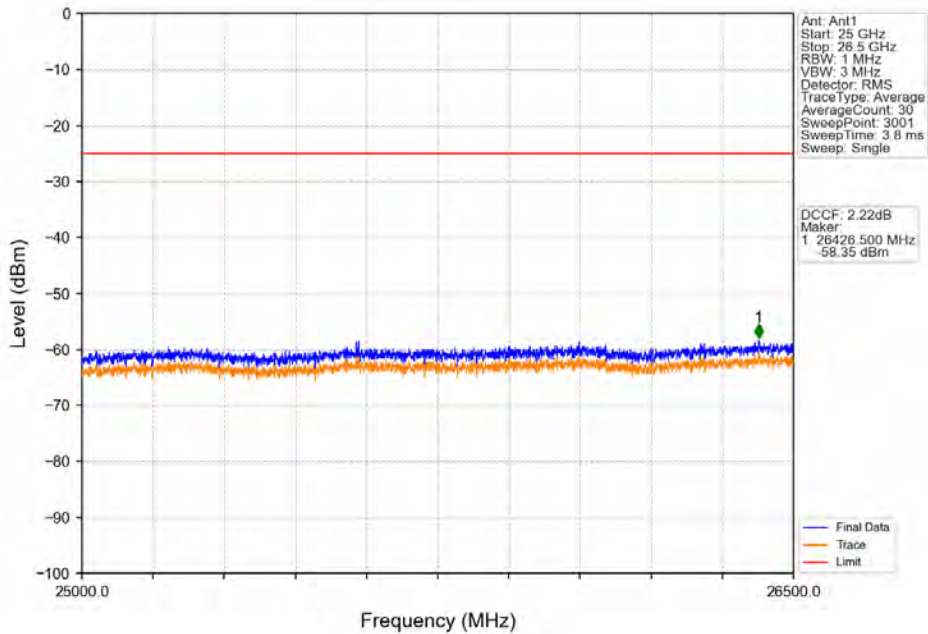
Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV



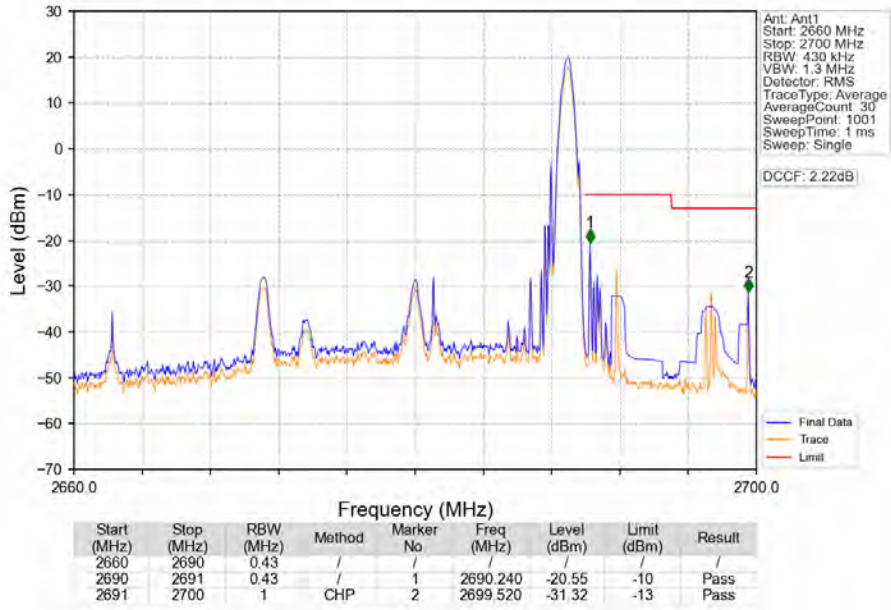
Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV



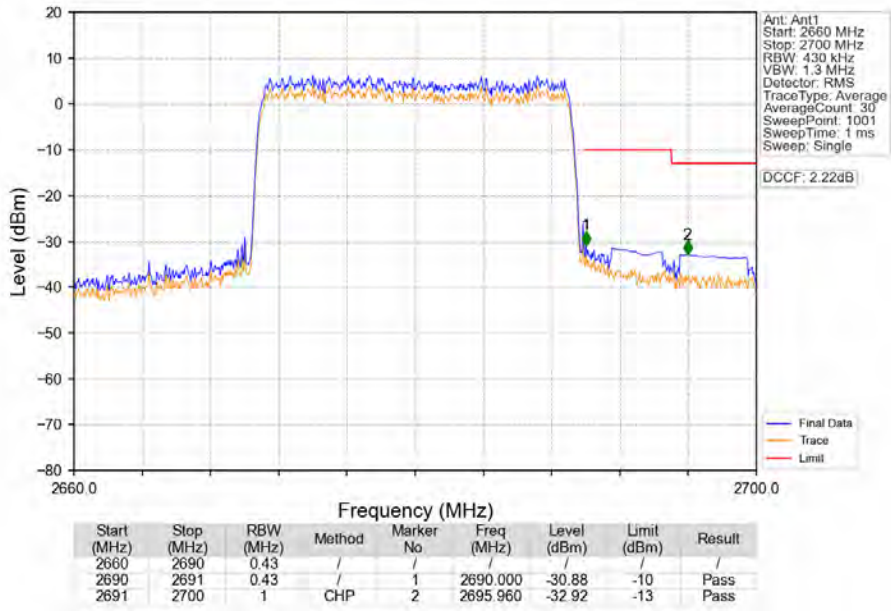
Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV



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	0.1714	0.1127	ppm	4M57G7D	27M	22.34
41	5	2498.5	2687.5	0.1422	0.3261	ppm	4M59W7D	27M	21.53
41	10	2501	2685	0.1618	0.0062	ppm	9M12G7D	27M	22.09
41	10	2501	2685	0.1268	0.0057	ppm	9M08W7D	27M	21.03
41	15	2503.5	2682.5	0.1556	0.0046	ppm	13M7G7D	27M	21.92
41	15	2503.5	2682.5	0.1225	0.0047	ppm	13M7W7D	27M	20.88
41	20	2506	2680	0.1556	0.0047	ppm	18M1G7D	27M	21.92
41	20	2506	2680	0.1250	0.0052	ppm	18M1W7D	27M	20.97

## 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	0.1803	0.1127	ppm	4M57G7D	27M	22.56
41	5	2498.5	2687.5	0.1496	0.3261	ppm	4M59W7D	27M	21.75
41	10	2501	2685	0.1702	0.0062	ppm	9M12G7D	27M	22.31
41	10	2501	2685	0.1334	0.0057	ppm	9M08W7D	27M	21.25
41	15	2503.5	2682.5	0.1637	0.0046	ppm	13M7G7D	27M	22.14
41	15	2503.5	2682.5	0.1288	0.0047	ppm	13M7W7D	27M	21.10
41	20	2506	2680	0.1637	0.0047	ppm	18M1G7D	27M	22.14
41	20	2506	2680	0.1315	0.0052	ppm	18M1W7D	27M	21.19