

1. Effective (Isotropic) Radiated Power Output Data

1.1 B41_5MHz_EIRP

1.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2552.5	1	0	22.91	1.12	24.03	<=33.01	Pass		
			13	22.61	1.12	23.73	<=33.01	Pass		
			24	22.49	1.12	23.61	<=33.01	Pass		
		12	0	21.43	1.12	22.55	<=33.01	Pass		
			6	21.55	1.12	22.67	<=33.01	Pass		
			13	21.41	1.12	22.53	<=33.01	Pass		
		25	0	21.55	1.12	22.67	<=33.01	Pass		
		2600	1	0	22.71	1.12	23.83	<=33.01	Pass	
				13	22.91	1.12	24.03	<=33.01	Pass	
	24			22.67	1.12	23.79	<=33.01	Pass		
	12		0	21.68	1.12	22.80	<=33.01	Pass		
			6	21.81	1.12	22.93	<=33.01	Pass		
			13	21.72	1.12	22.84	<=33.01	Pass		
	25		0	21.77	1.12	22.89	<=33.01	Pass		
	2647.5		1	0	23.27	1.12	24.39	<=33.01	Pass	
				13	23.42	1.12	24.54	<=33.01	Pass	
		24		23.32	1.12	24.44	<=33.01	Pass		
		12	0	22.35	1.12	23.47	<=33.01	Pass		
			6	22.43	1.12	23.55	<=33.01	Pass		
			13	22.33	1.12	23.45	<=33.01	Pass		
		25	0	22.35	1.12	23.47	<=33.01	Pass		
		16QAM	2552.5	1	0	21.35	1.12	22.47	<=33.01	Pass
					13	21.73	1.12	22.85	<=33.01	Pass
	24				21.39	1.12	22.51	<=33.01	Pass	
12	0			20.49	1.12	21.61	<=33.01	Pass		
	6			20.50	1.12	21.62	<=33.01	Pass		
	13			20.49	1.12	21.61	<=33.01	Pass		
25	0			20.52	1.12	21.64	<=33.01	Pass		
2600	1			0	21.60	1.12	22.72	<=33.01	Pass	
				13	21.98	1.12	23.10	<=33.01	Pass	
			24	21.67	1.12	22.79	<=33.01	Pass		
	12		0	20.69	1.12	21.81	<=33.01	Pass		
			6	20.84	1.12	21.96	<=33.01	Pass		
			13	20.66	1.12	21.78	<=33.01	Pass		
	25		0	20.63	1.12	21.75	<=33.01	Pass		
	2647.5		1	0	22.22	1.12	23.34	<=33.01	Pass	
				13	22.46	1.12	23.58	<=33.01	Pass	
24				22.33	1.12	23.45	<=33.01	Pass		
12			0	21.33	1.12	22.45	<=33.01	Pass		
			6	21.38	1.12	22.50	<=33.01	Pass		
			13	21.30	1.12	22.42	<=33.01	Pass		
25			0	21.35	1.12	22.47	<=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	2555	1	0	22.53	1.12	23.65	<=33.01	Pass		
			25	22.81	1.12	23.93	<=33.01	Pass		
			49	22.56	1.12	23.68	<=33.01	Pass		
		25	0	21.60	1.12	22.72	<=33.01	Pass		
			13	21.56	1.12	22.68	<=33.01	Pass		
			25	21.58	1.12	22.70	<=33.01	Pass		
		50	0	21.57	1.12	22.69	<=33.01	Pass		
		2600	1	0	22.79	1.12	23.91	<=33.01	Pass	
				25	23.09	1.12	24.21	<=33.01	Pass	
	49			22.78	1.12	23.90	<=33.01	Pass		
	25		0	21.87	1.12	22.99	<=33.01	Pass		
			13	21.85	1.12	22.97	<=33.01	Pass		
			25	21.82	1.12	22.94	<=33.01	Pass		
	50		0	21.85	1.12	22.97	<=33.01	Pass		
	2645		1	0	23.33	1.12	24.45	<=33.01	Pass	
				25	23.59	1.12	24.71	<=33.01	Pass	
		49		23.43	1.12	24.55	<=33.01	Pass		
		25	0	22.34	1.12	23.46	<=33.01	Pass		
			13	22.47	1.12	23.59	<=33.01	Pass		
			25	22.40	1.12	23.52	<=33.01	Pass		
		50	0	22.39	1.12	23.51	<=33.01	Pass		
		16QAM	2555	1	0	21.56	1.12	22.68	<=33.01	Pass
					25	21.56	1.12	22.68	<=33.01	Pass
	49				21.50	1.12	22.62	<=33.01	Pass	
25	0			20.61	1.12	21.73	<=33.01	Pass		
	13			20.55	1.12	21.67	<=33.01	Pass		
	25			20.56	1.12	21.68	<=33.01	Pass		
50	0			20.59	1.12	21.71	<=33.01	Pass		
2600	1			0	21.60	1.12	22.72	<=33.01	Pass	
				25	21.85	1.12	22.97	<=33.01	Pass	
			49	21.64	1.12	22.76	<=33.01	Pass		
	25		0	20.78	1.12	21.90	<=33.01	Pass		
			13	20.85	1.12	21.97	<=33.01	Pass		
			25	20.77	1.12	21.89	<=33.01	Pass		
	50		0	20.80	1.12	21.92	<=33.01	Pass		
	2645		1	0	22.28	1.12	23.40	<=33.01	Pass	
				25	22.62	1.12	23.74	<=33.01	Pass	
49				22.34	1.12	23.46	<=33.01	Pass		
25			0	21.34	1.12	22.46	<=33.01	Pass		
			13	21.47	1.12	22.59	<=33.01	Pass		
			25	21.38	1.12	22.50	<=33.01	Pass		
50			0	21.37	1.12	22.49	<=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	2557.5	1	0	22.31	1.12	23.43	<=33.01	Pass		
			38	22.60	1.12	23.72	<=33.01	Pass		
			74	22.41	1.12	23.53	<=33.01	Pass		
		36	0	21.50	1.12	22.62	<=33.01	Pass		
			18	21.65	1.12	22.77	<=33.01	Pass		
			39	21.50	1.12	22.62	<=33.01	Pass		
		75	0	21.48	1.12	22.60	<=33.01	Pass		
		2600	1	0	22.48	1.12	23.60	<=33.01	Pass	
				38	22.72	1.12	23.84	<=33.01	Pass	
	74			22.50	1.12	23.62	<=33.01	Pass		
	36		0	21.58	1.12	22.70	<=33.01	Pass		
			18	21.65	1.12	22.77	<=33.01	Pass		
			39	21.63	1.12	22.75	<=33.01	Pass		
	75		0	21.62	1.12	22.74	<=33.01	Pass		
	2642.5		1	0	23.01	1.12	24.13	<=33.01	Pass	
				38	23.27	1.12	24.39	<=33.01	Pass	
		74		23.13	1.12	24.25	<=33.01	Pass		
		36	0	22.23	1.12	23.35	<=33.01	Pass		
			18	22.25	1.12	23.37	<=33.01	Pass		
			39	22.22	1.12	23.34	<=33.01	Pass		
		75	0	22.22	1.12	23.34	<=33.01	Pass		
		16QAM	2557.5	1	0	21.06	1.12	22.18	<=33.01	Pass
					38	21.40	1.12	22.52	<=33.01	Pass
	74				20.92	1.12	22.04	<=33.01	Pass	
36	0			20.48	1.12	21.60	<=33.01	Pass		
	18			20.48	1.12	21.60	<=33.01	Pass		
	39			20.40	1.12	21.52	<=33.01	Pass		
75	0			20.40	1.12	21.52	<=33.01	Pass		
2600	1			0	21.26	1.12	22.38	<=33.01	Pass	
				38	21.56	1.12	22.68	<=33.01	Pass	
			74	21.16	1.12	22.28	<=33.01	Pass		
	36		0	20.50	1.12	21.62	<=33.01	Pass		
			18	20.63	1.12	21.75	<=33.01	Pass		
			39	20.60	1.12	21.72	<=33.01	Pass		
	75		0	20.63	1.12	21.75	<=33.01	Pass		
	2642.5		1	0	22.04	1.12	23.16	<=33.01	Pass	
				38	22.22	1.12	23.34	<=33.01	Pass	
74				22.01	1.12	23.13	<=33.01	Pass		
36			0	21.21	1.12	22.33	<=33.01	Pass		
			18	21.25	1.12	22.37	<=33.01	Pass		
			39	21.20	1.12	22.32	<=33.01	Pass		
75			0	21.19	1.12	22.31	<=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	2560	1	0	22.07	1.12	23.19	<=33.01	Pass
			50	22.68	1.12	23.80	<=33.01	Pass

		50	99	22.19	1.12	23.31	<=33.01	Pass		
			0	21.39	1.12	22.51	<=33.01	Pass		
			25	21.41	1.12	22.53	<=33.01	Pass		
			50	21.39	1.12	22.51	<=33.01	Pass		
		100	0	21.42	1.12	22.54	<=33.01	Pass		
		2600	1	0	22.33	1.12	23.45	<=33.01	Pass	
				50	22.82	1.12	23.94	<=33.01	Pass	
				99	22.26	1.12	23.38	<=33.01	Pass	
			50	0	21.61	1.12	22.73	<=33.01	Pass	
				25	21.67	1.12	22.79	<=33.01	Pass	
	50			21.58	1.12	22.70	<=33.01	Pass		
	100	0	21.62	1.12	22.74	<=33.01	Pass			
	2640	1	0	22.78	1.12	23.90	<=33.01	Pass		
			50	23.29	1.12	24.41	<=33.01	Pass		
			99	23.01	1.12	24.13	<=33.01	Pass		
		50	0	22.22	1.12	23.34	<=33.01	Pass		
			25	22.20	1.12	23.32	<=33.01	Pass		
			50	22.08	1.12	23.20	<=33.01	Pass		
		100	0	22.19	1.12	23.31	<=33.01	Pass		
		16QAM	2560	1	0	21.19	1.12	22.31	<=33.01	Pass
					50	21.76	1.12	22.88	<=33.01	Pass
	99				21.08	1.12	22.20	<=33.01	Pass	
	50			0	20.45	1.12	21.57	<=33.01	Pass	
				25	20.46	1.12	21.58	<=33.01	Pass	
50				20.41	1.12	21.53	<=33.01	Pass		
100	0			20.48	1.12	21.60	<=33.01	Pass		
2600	1			0	21.07	1.12	22.19	<=33.01	Pass	
				50	21.49	1.12	22.61	<=33.01	Pass	
			99	21.05	1.12	22.17	<=33.01	Pass		
	50		0	20.64	1.12	21.76	<=33.01	Pass		
			25	20.64	1.12	21.76	<=33.01	Pass		
			50	20.55	1.12	21.67	<=33.01	Pass		
	100		0	20.53	1.12	21.65	<=33.01	Pass		
	2640		1	0	21.75	1.12	22.87	<=33.01	Pass	
				50	22.30	1.12	23.42	<=33.01	Pass	
99				21.95	1.12	23.07	<=33.01	Pass		
50			0	21.22	1.12	22.34	<=33.01	Pass		
			25	21.18	1.12	22.30	<=33.01	Pass		
			50	21.06	1.12	22.18	<=33.01	Pass		
100			0	21.16	1.12	22.28	<=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	2552.5	25	0	20	3.27	5.279	0.0021	-2.5 to 2.5	Pass				
									3.85	19.240	0.0075	-2.5 to 2.5	Pass
													4.43

				-30	3.85	16.007	0.0063	-2.5 to 2.5	Pass			
				-20	3.85	7.310	0.0029	-2.5 to 2.5	Pass			
				-10	3.85	44.918	0.0176	-2.5 to 2.5	Pass			
				0	3.85	43.974	0.0172	-2.5 to 2.5	Pass			
				10	3.85	25.649	0.0100	-2.5 to 2.5	Pass			
				30	3.85	8.211	0.0032	-2.5 to 2.5	Pass			
				40	3.85	41.699	0.0163	-2.5 to 2.5	Pass			
	2600	25	0	20	3.85	31.414	0.0123	-2.5 to 2.5	Pass			
					3.27	22.488	0.0086	-2.5 to 2.5	Pass			
					4.43	1.845	0.0007	-2.5 to 2.5	Pass			
				-30	3.85	26.579	0.0102	-2.5 to 2.5	Pass			
				-20	3.85	25.778	0.0099	-2.5 to 2.5	Pass			
				-10	3.85	42.658	0.0164	-2.5 to 2.5	Pass			
				0	3.85	-4.621	-0.0018	-2.5 to 2.5	Pass			
				10	3.85	39.911	0.0154	-2.5 to 2.5	Pass			
				30	3.85	41.170	0.0158	-2.5 to 2.5	Pass			
				40	3.85	24.719	0.0095	-2.5 to 2.5	Pass			
				50	3.85	10.700	0.0041	-2.5 to 2.5	Pass			
				2647.5	25	0	20	3.27	-3.304	-0.0012	-2.5 to 2.5	Pass
								3.85	27.266	0.0103	-2.5 to 2.5	Pass
								4.43	39.039	0.0147	-2.5 to 2.5	Pass
	-30	3.85	12.660				0.0048	-2.5 to 2.5	Pass			
	-20	3.85	25.649				0.0097	-2.5 to 2.5	Pass			
	-10	3.85	31.886				0.0120	-2.5 to 2.5	Pass			
	0	3.85	5.322				0.0020	-2.5 to 2.5	Pass			
	10	3.85	9.012				0.0034	-2.5 to 2.5	Pass			
	30	3.85	29.125				0.0110	-2.5 to 2.5	Pass			
40	3.85	25.907	0.0098				-2.5 to 2.5	Pass				
50	3.85	21.486	0.0081				-2.5 to 2.5	Pass				
16QAM	2552.5	25	0	20	3.27	20.370	0.0080	-2.5 to 2.5	Pass			
					3.85	19.126	0.0075	-2.5 to 2.5	Pass			
					4.43	4.821	0.0019	-2.5 to 2.5	Pass			
				-30	3.85	45.962	0.0180	-2.5 to 2.5	Pass			
				-20	3.85	-1.073	-0.0004	-2.5 to 2.5	Pass			
				-10	3.85	42.615	0.0167	-2.5 to 2.5	Pass			
				0	3.85	45.590	0.0179	-2.5 to 2.5	Pass			
				10	3.85	1.745	0.0007	-2.5 to 2.5	Pass			
				30	3.85	13.118	0.0051	-2.5 to 2.5	Pass			
				40	3.85	3.090	0.0012	-2.5 to 2.5	Pass			
				50	3.85	22.130	0.0087	-2.5 to 2.5	Pass			
				2600	25	0	20	3.27	9.313	0.0036	-2.5 to 2.5	Pass
								3.85	7.296	0.0028	-2.5 to 2.5	Pass
								4.43	13.561	0.0052	-2.5 to 2.5	Pass
	-30	3.85	2.818				0.0011	-2.5 to 2.5	Pass			
	-20	3.85	1.616				0.0006	-2.5 to 2.5	Pass			
	-10	3.85	19.856				0.0076	-2.5 to 2.5	Pass			
	0	3.85	7.696				0.0030	-2.5 to 2.5	Pass			
	10	3.85	-7.625				-0.0029	-2.5 to 2.5	Pass			
	30	3.85	18.740				0.0072	-2.5 to 2.5	Pass			
	40	3.85	37.737				0.0145	-2.5 to 2.5	Pass			
	50	3.85	47.851				0.0184	-2.5 to 2.5	Pass			
	2647.5	25	0	20	3.27	19.326	0.0073	-2.5 to 2.5	Pass			
					3.85	-3.490	-0.0013	-2.5 to 2.5	Pass			
					4.43	14.219	0.0054	-2.5 to 2.5	Pass			
				-30	3.85	33.417	0.0126	-2.5 to 2.5	Pass			
	-20	3.85	26.693	0.0101	-2.5 to 2.5	Pass						

				-10	3.85	-1.073	-0.0004	-2.5 to 2.5	Pass
				0	3.85	31.414	0.0119	-2.5 to 2.5	Pass
				10	3.85	15.736	0.0059	-2.5 to 2.5	Pass
				30	3.85	26.879	0.0102	-2.5 to 2.5	Pass
				40	3.85	18.697	0.0071	-2.5 to 2.5	Pass
				50	3.85	31.672	0.0120	-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	2555	50	0	20	3.27	-46.234	-0.0181	-2.5 to 2.5	Pass
					3.85	28.825	0.0113	-2.5 to 2.5	Pass
					4.43	20.785	0.0081	-2.5 to 2.5	Pass
				-30	3.85	32.487	0.0127	-2.5 to 2.5	Pass
				-20	3.85	32.315	0.0126	-2.5 to 2.5	Pass
				-10	3.85	35.305	0.0138	-2.5 to 2.5	Pass
				0	3.85	36.879	0.0144	-2.5 to 2.5	Pass
				10	3.85	23.932	0.0094	-2.5 to 2.5	Pass
				30	3.85	6.466	0.0025	-2.5 to 2.5	Pass
				40	3.85	10.285	0.0040	-2.5 to 2.5	Pass
	50	3.85	13.647	0.0053	-2.5 to 2.5	Pass			
	2600	50	0	20	3.27	-34.447	-0.0132	-2.5 to 2.5	Pass
					3.85	12.832	0.0049	-2.5 to 2.5	Pass
					4.43	-33.174	-0.0128	-2.5 to 2.5	Pass
				-30	3.85	-43.230	-0.0166	-2.5 to 2.5	Pass
				-20	3.85	42.515	0.0164	-2.5 to 2.5	Pass
				-10	3.85	29.054	0.0112	-2.5 to 2.5	Pass
				0	3.85	22.130	0.0085	-2.5 to 2.5	Pass
				10	3.85	25.048	0.0096	-2.5 to 2.5	Pass
				30	3.85	38.409	0.0148	-2.5 to 2.5	Pass
				40	3.85	29.783	0.0115	-2.5 to 2.5	Pass
	50	3.85	30.742	0.0118	-2.5 to 2.5	Pass			
	2645	50	0	20	3.27	-38.967	-0.0147	-2.5 to 2.5	Pass
					3.85	39.625	0.0150	-2.5 to 2.5	Pass
					4.43	6.580	0.0025	-2.5 to 2.5	Pass
				-30	3.85	-44.861	-0.0170	-2.5 to 2.5	Pass
				-20	3.85	-31.686	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	37.923	0.0143	-2.5 to 2.5	Pass
				0	3.85	24.490	0.0093	-2.5 to 2.5	Pass
				10	3.85	-31.929	-0.0121	-2.5 to 2.5	Pass
30				3.85	-29.683	-0.0112	-2.5 to 2.5	Pass	
40				3.85	-30.198	-0.0114	-2.5 to 2.5	Pass	
50	3.85	39.153	0.0148	-2.5 to 2.5	Pass				
16QAM	2555	50	0	20	3.27	36.807	0.0144	-2.5 to 2.5	Pass
					3.85	43.917	0.0172	-2.5 to 2.5	Pass
					4.43	12.860	0.0050	-2.5 to 2.5	Pass
				-30	3.85	48.537	0.0190	-2.5 to 2.5	Pass
				-20	3.85	44.961	0.0176	-2.5 to 2.5	Pass
				-10	3.85	24.991	0.0098	-2.5 to 2.5	Pass
				0	3.85	12.317	0.0048	-2.5 to 2.5	Pass
10	3.85	21.787	0.0085	-2.5 to 2.5	Pass				

	2600	50	0	30	3.85	26.565	0.0104	-2.5 to 2.5	Pass
				40	3.85	15.221	0.0060	-2.5 to 2.5	Pass
				50	3.85	47.164	0.0185	-2.5 to 2.5	Pass
				20	3.27	35.720	0.0137	-2.5 to 2.5	Pass
					3.85	40.669	0.0156	-2.5 to 2.5	Pass
					4.43	39.940	0.0154	-2.5 to 2.5	Pass
				-30	3.85	30.241	0.0116	-2.5 to 2.5	Pass
				-20	3.85	29.826	0.0115	-2.5 to 2.5	Pass
				-10	3.85	41.728	0.0160	-2.5 to 2.5	Pass
				0	3.85	-3.691	-0.0014	-2.5 to 2.5	Pass
				10	3.85	25.048	0.0096	-2.5 to 2.5	Pass
				30	3.85	13.103	0.0050	-2.5 to 2.5	Pass
	40	3.85	13.504	0.0052	-2.5 to 2.5	Pass			
	50	3.85	39.282	0.0151	-2.5 to 2.5	Pass			
	2645	50	0	20	3.27	34.604	0.0131	-2.5 to 2.5	Pass
					3.85	4.306	0.0016	-2.5 to 2.5	Pass
					4.43	23.532	0.0089	-2.5 to 2.5	Pass
				-30	3.85	18.654	0.0071	-2.5 to 2.5	Pass
				-20	3.85	20.242	0.0077	-2.5 to 2.5	Pass
				-10	3.85	-6.866	-0.0026	-2.5 to 2.5	Pass
				0	3.85	24.905	0.0094	-2.5 to 2.5	Pass
				10	3.85	1.216	0.0005	-2.5 to 2.5	Pass
				30	3.85	23.746	0.0090	-2.5 to 2.5	Pass
				40	3.85	9.985	0.0038	-2.5 to 2.5	Pass
50				3.85	14.105	0.0053	-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	2557.5	75	0	20	3.27	-24.261	-0.0095	-2.5 to 2.5	Pass
					3.85	35.377	0.0138	-2.5 to 2.5	Pass
					4.43	30.012	0.0117	-2.5 to 2.5	Pass
				-30	3.85	31.071	0.0121	-2.5 to 2.5	Pass
				-20	3.85	38.080	0.0149	-2.5 to 2.5	Pass
				-10	3.85	22.516	0.0088	-2.5 to 2.5	Pass
				0	3.85	25.835	0.0101	-2.5 to 2.5	Pass
				10	3.85	24.877	0.0097	-2.5 to 2.5	Pass
				30	3.85	37.794	0.0148	-2.5 to 2.5	Pass
				40	3.85	30.499	0.0119	-2.5 to 2.5	Pass
				50	3.85	0.572	0.0002	-2.5 to 2.5	Pass
				2600	75	0	20	3.27	-28.625
	3.85	28.381	0.0109					-2.5 to 2.5	Pass
	4.43	31.371	0.0121					-2.5 to 2.5	Pass
	-30	3.85	-31.743				-0.0122	-2.5 to 2.5	Pass
	-20	3.85	-40.741				-0.0157	-2.5 to 2.5	Pass
	-10	3.85	4.663				0.0018	-2.5 to 2.5	Pass
	0	3.85	41.857				0.0161	-2.5 to 2.5	Pass
	10	3.85	17.366				0.0067	-2.5 to 2.5	Pass
	30	3.85	-37.923				-0.0146	-2.5 to 2.5	Pass
	40	3.85	-30.212				-0.0116	-2.5 to 2.5	Pass
	50	3.85	48.952				0.0188	-2.5 to 2.5	Pass

	2642.5	75	0	20	3.27	-29.984	-0.0113	-2.5 to 2.5	Pass					
					3.85	18.883	0.0071	-2.5 to 2.5	Pass					
					4.43	-44.847	-0.0170	-2.5 to 2.5	Pass					
								-30	3.85	-42.186	-0.0160	-2.5 to 2.5	Pass	
								-20	3.85	33.259	0.0126	-2.5 to 2.5	Pass	
								-10	3.85	32.115	0.0122	-2.5 to 2.5	Pass	
								0	3.85	-44.875	-0.0170	-2.5 to 2.5	Pass	
								10	3.85	-30.012	-0.0114	-2.5 to 2.5	Pass	
								30	3.85	40.369	0.0153	-2.5 to 2.5	Pass	
								40	3.85	36.979	0.0140	-2.5 to 2.5	Pass	
50	3.85	-46.477	-0.0176	-2.5 to 2.5	Pass									
16QAM	2557.5	75	0	20	3.27	34.018	0.0133	-2.5 to 2.5	Pass					
					3.85	17.653	0.0069	-2.5 to 2.5	Pass					
					4.43	37.751	0.0148	-2.5 to 2.5	Pass					
								-30	3.85	36.778	0.0144	-2.5 to 2.5	Pass	
								-20	3.85	-0.830	-0.0003	-2.5 to 2.5	Pass	
								-10	3.85	30.241	0.0118	-2.5 to 2.5	Pass	
								0	3.85	44.646	0.0175	-2.5 to 2.5	Pass	
								10	3.85	19.970	0.0078	-2.5 to 2.5	Pass	
								30	3.85	29.984	0.0117	-2.5 to 2.5	Pass	
								40	3.85	12.674	0.0050	-2.5 to 2.5	Pass	
	50	3.85	14.291	0.0056	-2.5 to 2.5	Pass								
		2600	75	0	20	3.27	38.581	0.0148	-2.5 to 2.5	Pass				
						3.85	13.361	0.0051	-2.5 to 2.5	Pass				
						4.43	27.509	0.0106	-2.5 to 2.5	Pass				
									-30	3.85	14.534	0.0056	-2.5 to 2.5	Pass
									-20	3.85	14.176	0.0055	-2.5 to 2.5	Pass
									-10	3.85	37.007	0.0142	-2.5 to 2.5	Pass
									0	3.85	34.404	0.0132	-2.5 to 2.5	Pass
									10	3.85	33.174	0.0128	-2.5 to 2.5	Pass
									30	3.85	25.749	0.0099	-2.5 to 2.5	Pass
									40	3.85	15.278	0.0059	-2.5 to 2.5	Pass
	50	3.85	31.171	0.0120	-2.5 to 2.5	Pass								
		2642.5	75	0	20	3.27	-40.956	-0.0155	-2.5 to 2.5	Pass				
						3.85	32.945	0.0125	-2.5 to 2.5	Pass				
						4.43	33.803	0.0128	-2.5 to 2.5	Pass				
									-30	3.85	34.933	0.0132	-2.5 to 2.5	Pass
									-20	3.85	36.550	0.0138	-2.5 to 2.5	Pass
									-10	3.85	29.569	0.0112	-2.5 to 2.5	Pass
0									3.85	36.578	0.0138	-2.5 to 2.5	Pass	
10									3.85	21.257	0.0080	-2.5 to 2.5	Pass	
30									3.85	27.967	0.0106	-2.5 to 2.5	Pass	
40									3.85	29.154	0.0110	-2.5 to 2.5	Pass	
50	3.85	31.142	0.0118	-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	2560	100	0	20	3.27	-3.462	-0.0014	-2.5 to 2.5	Pass
					3.85	32.644	0.0128	-2.5 to 2.5	Pass
					4.43	46.020	0.0180	-2.5 to 2.5	Pass

				-30	3.85	33.817	0.0132	-2.5 to 2.5	Pass
				-20	3.85	38.152	0.0149	-2.5 to 2.5	Pass
				-10	3.85	35.148	0.0137	-2.5 to 2.5	Pass
				0	3.85	30.413	0.0119	-2.5 to 2.5	Pass
				10	3.85	26.679	0.0104	-2.5 to 2.5	Pass
				30	3.85	31.872	0.0124	-2.5 to 2.5	Pass
				40	3.85	10.443	0.0041	-2.5 to 2.5	Pass
				50	3.85	35.491	0.0139	-2.5 to 2.5	Pass
				20	3.27	-35.348	-0.0136	-2.5 to 2.5	Pass
					3.85	34.575	0.0133	-2.5 to 2.5	Pass
	4.43	-57.063	-0.0219		-2.5 to 2.5	Pass			
	2600	100	0	-30	3.85	-30.470	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	37.465	0.0144	-2.5 to 2.5	Pass
				-10	3.85	37.994	0.0146	-2.5 to 2.5	Pass
				0	3.85	-27.022	-0.0104	-2.5 to 2.5	Pass
				10	3.85	-33.360	-0.0128	-2.5 to 2.5	Pass
				30	3.85	44.460	0.0171	-2.5 to 2.5	Pass
				40	3.85	33.059	0.0127	-2.5 to 2.5	Pass
				50	3.85	31.772	0.0122	-2.5 to 2.5	Pass
				20	3.27	-45.204	-0.0171	-2.5 to 2.5	Pass
					3.85	20.413	0.0077	-2.5 to 2.5	Pass
	4.43	23.518	0.0089		-2.5 to 2.5	Pass			
	2640	100	0	-30	3.85	31.371	0.0119	-2.5 to 2.5	Pass
				-20	3.85	18.983	0.0072	-2.5 to 2.5	Pass
				-10	3.85	34.618	0.0131	-2.5 to 2.5	Pass
				0	3.85	40.011	0.0152	-2.5 to 2.5	Pass
				10	3.85	45.047	0.0171	-2.5 to 2.5	Pass
				30	3.85	36.407	0.0138	-2.5 to 2.5	Pass
				40	3.85	36.149	0.0137	-2.5 to 2.5	Pass
				50	3.85	27.251	0.0103	-2.5 to 2.5	Pass
20				3.27	23.189	0.0091	-2.5 to 2.5	Pass	
				3.85	14.577	0.0057	-2.5 to 2.5	Pass	
	4.43	2.217	0.0009	-2.5 to 2.5	Pass				
16QAM	2560	100	0	-30	3.85	-11.344	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-21.243	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-33.402	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-28.410	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-36.807	-0.0144	-2.5 to 2.5	Pass
				30	3.85	-36.979	-0.0144	-2.5 to 2.5	Pass
				40	3.85	-40.154	-0.0157	-2.5 to 2.5	Pass
				50	3.85	-42.787	-0.0167	-2.5 to 2.5	Pass
				20	3.27	-45.147	-0.0174	-2.5 to 2.5	Pass
					3.85	-48.523	-0.0187	-2.5 to 2.5	Pass
4.43	28.024	0.0108	-2.5 to 2.5		Pass				
2600	100	0	-30	3.85	26.522	0.0102	-2.5 to 2.5	Pass	
			-20	3.85	39.310	0.0151	-2.5 to 2.5	Pass	
			-10	3.85	32.272	0.0124	-2.5 to 2.5	Pass	
			0	3.85	39.711	0.0153	-2.5 to 2.5	Pass	
			10	3.85	16.365	0.0063	-2.5 to 2.5	Pass	
			30	3.85	-8.783	-0.0034	-2.5 to 2.5	Pass	
			40	3.85	43.960	0.0169	-2.5 to 2.5	Pass	
			50	3.85	-35.477	-0.0136	-2.5 to 2.5	Pass	
			20	3.27	6.738	0.0026	-2.5 to 2.5	Pass	
				3.85	-40.340	-0.0153	-2.5 to 2.5	Pass	
4.43	-38.095	-0.0144		-2.5 to 2.5	Pass				
2640	100	0	-30	3.85	-30.155	-0.0114	-2.5 to 2.5	Pass	
			-20	3.85	-34.003	-0.0129	-2.5 to 2.5	Pass	

				-10	3.85	-33.574	-0.0127	-2.5 to 2.5	Pass
				0	3.85	-38.266	-0.0145	-2.5 to 2.5	Pass
				10	3.85	-27.795	-0.0105	-2.5 to 2.5	Pass
				30	3.85	-41.957	-0.0159	-2.5 to 2.5	Pass
				40	3.85	-39.654	-0.0150	-2.5 to 2.5	Pass
				50	3.85	-17.810	-0.0067	-2.5 to 2.5	Pass

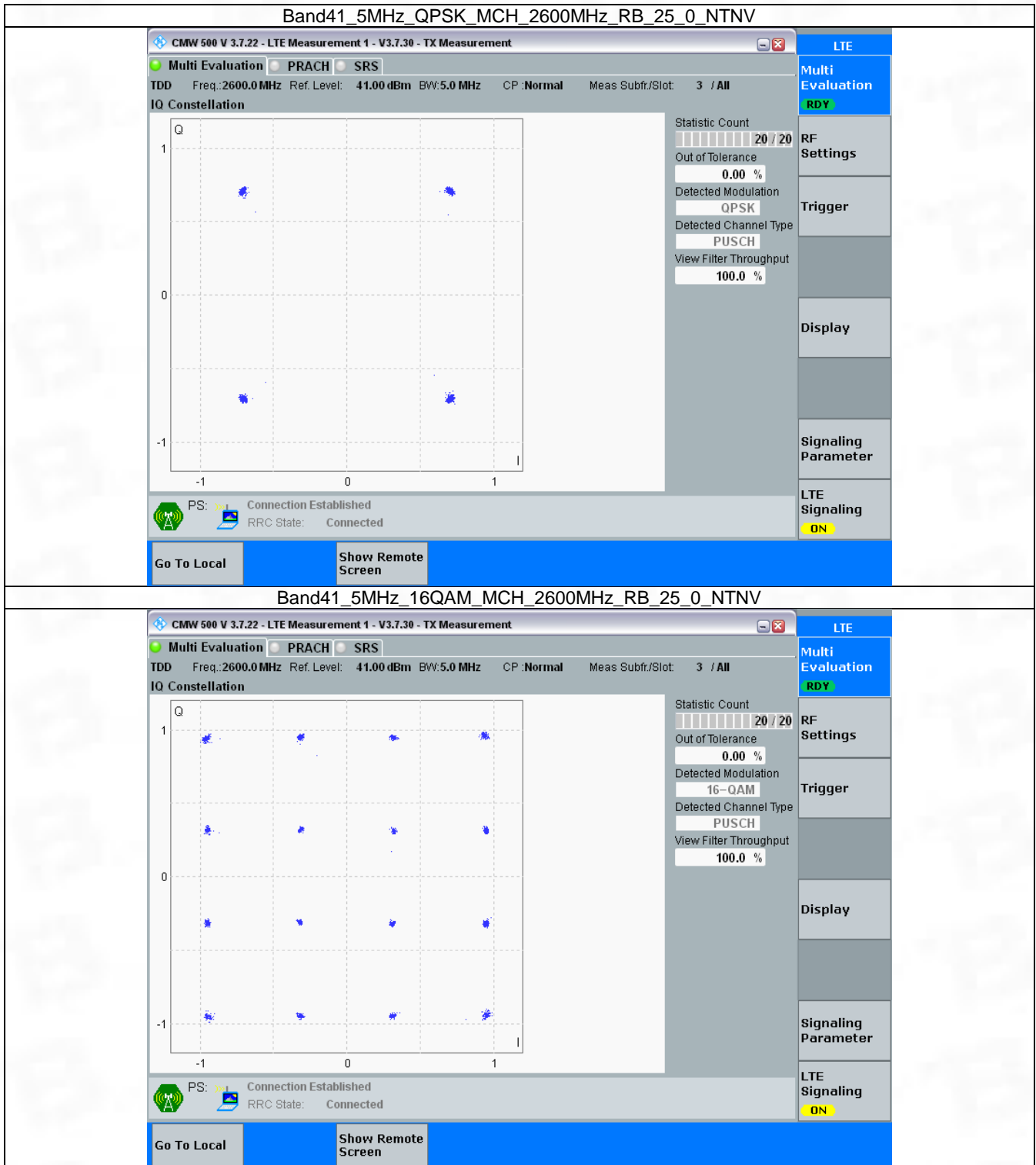
3. Modulation Characteristics

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	2600	25	0	Refer To Test Graph		Pass
16QAM	2600	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

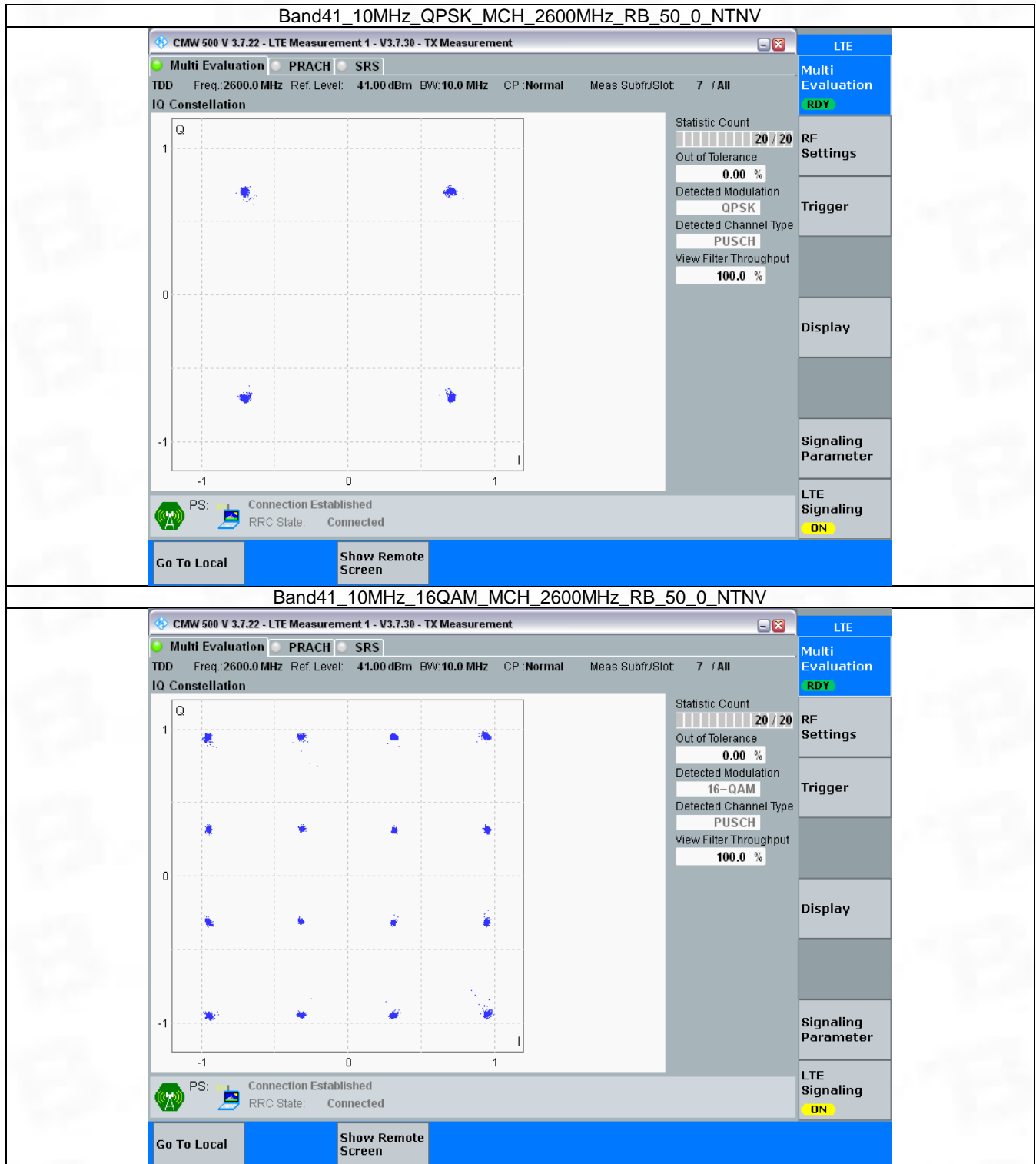


3.2 B41_10MHz

3.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2600	50	0	Refer To Test Graph		Pass
16QAM	2600	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph

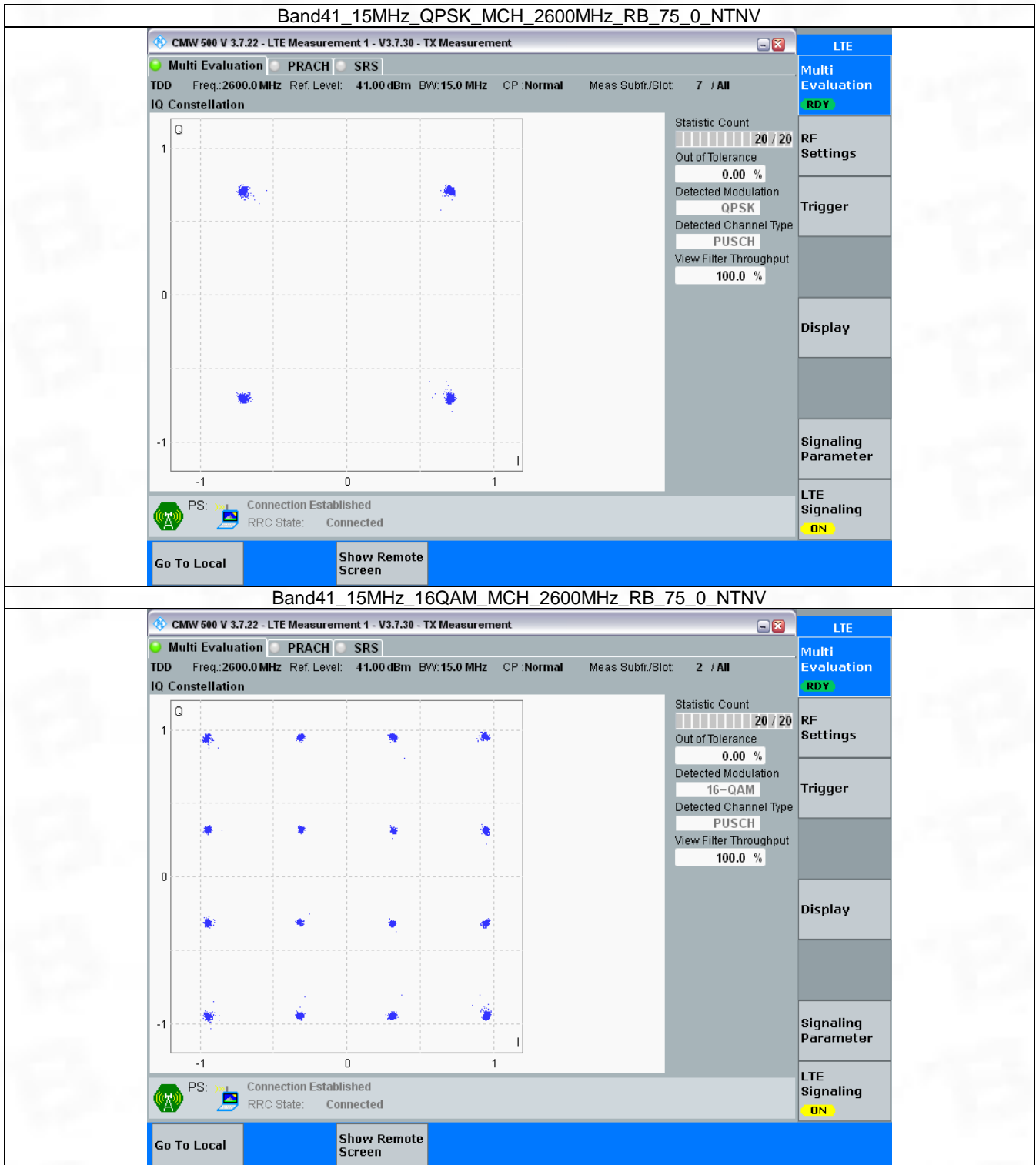


3.3 B41_15MHz

3.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2600	75	0	Refer To Test Graph		Pass
16QAM	2600	75	0	Refer To Test Graph		Pass

3.3.2 Test Graph

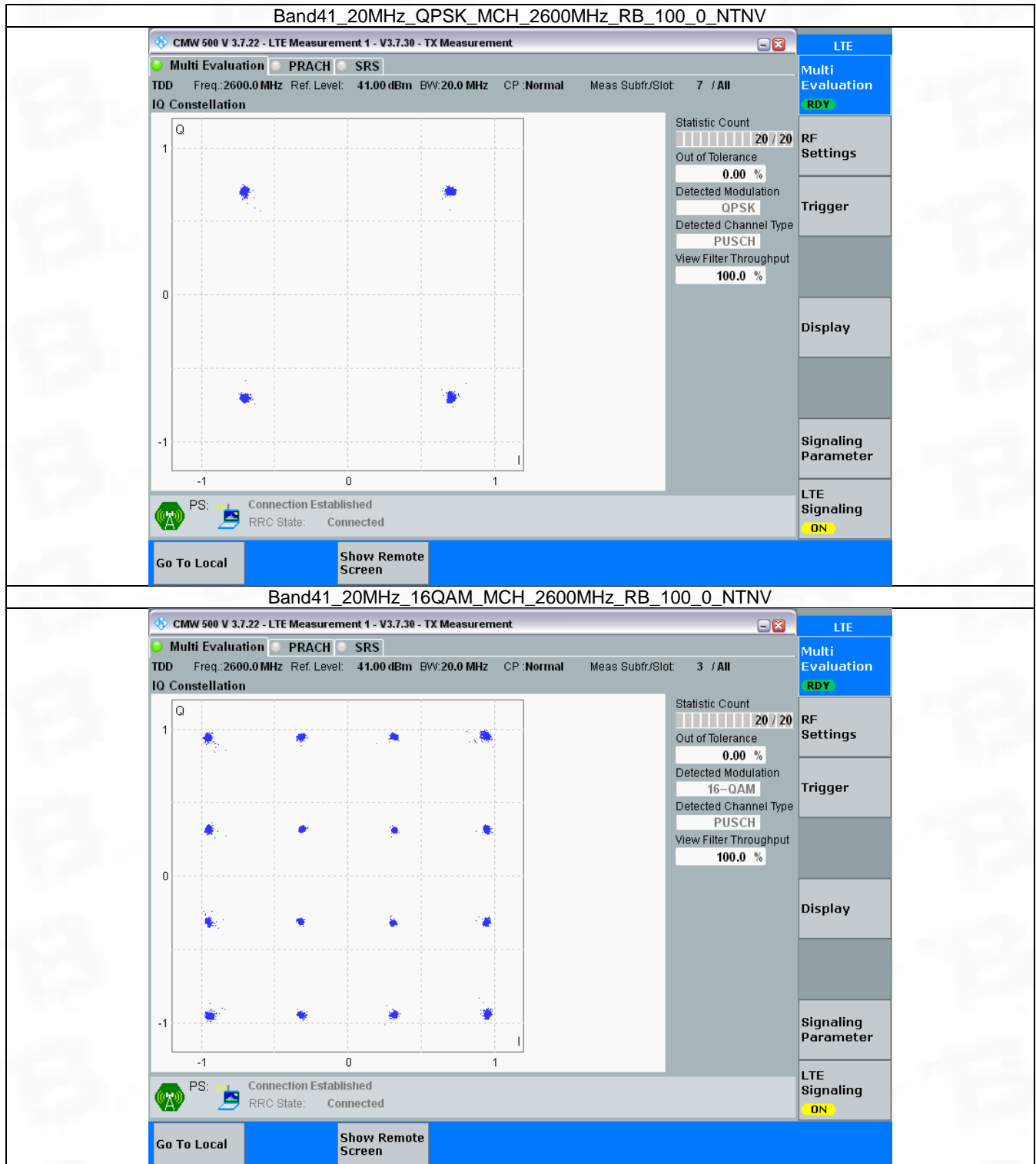


3.4 B41_20MHz

3.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2600	100	0	Refer To Test Graph		Pass
16QAM	2600	100	0	Refer To Test Graph		Pass

3.4.2 Test Graph



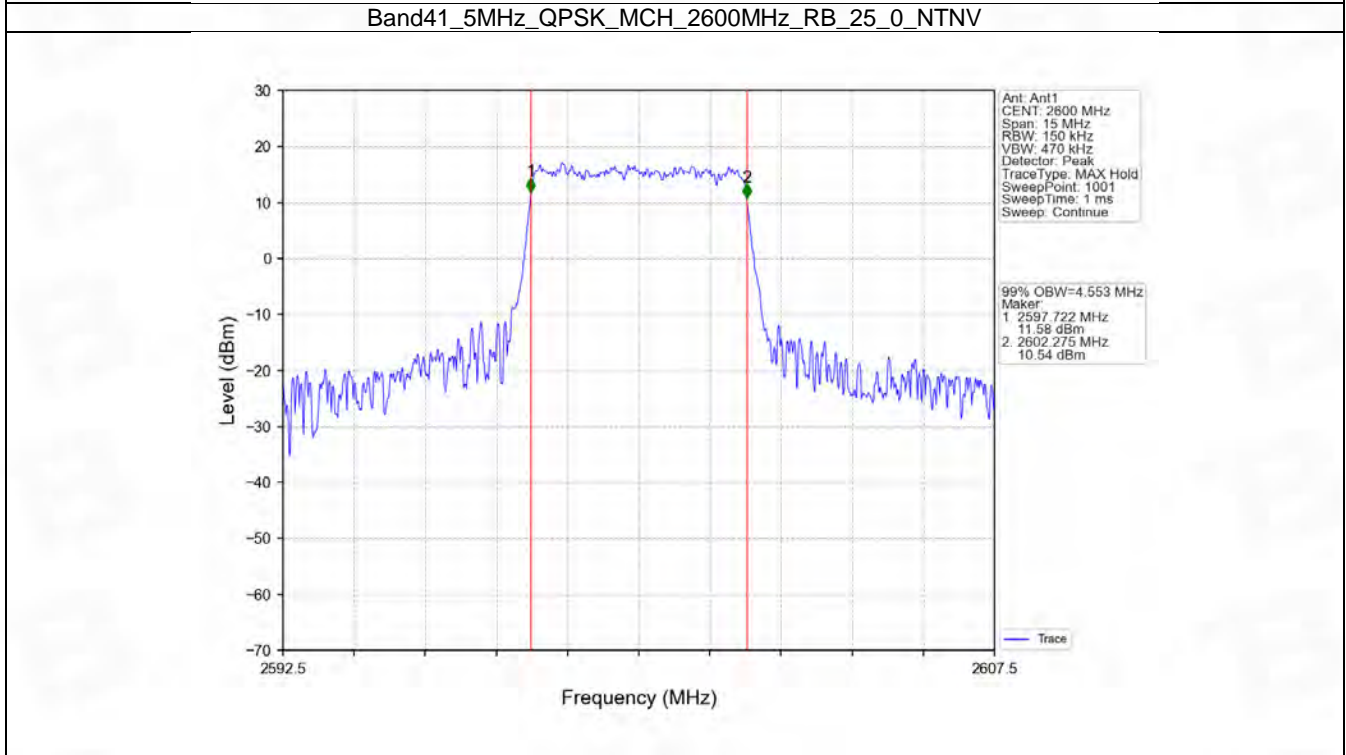
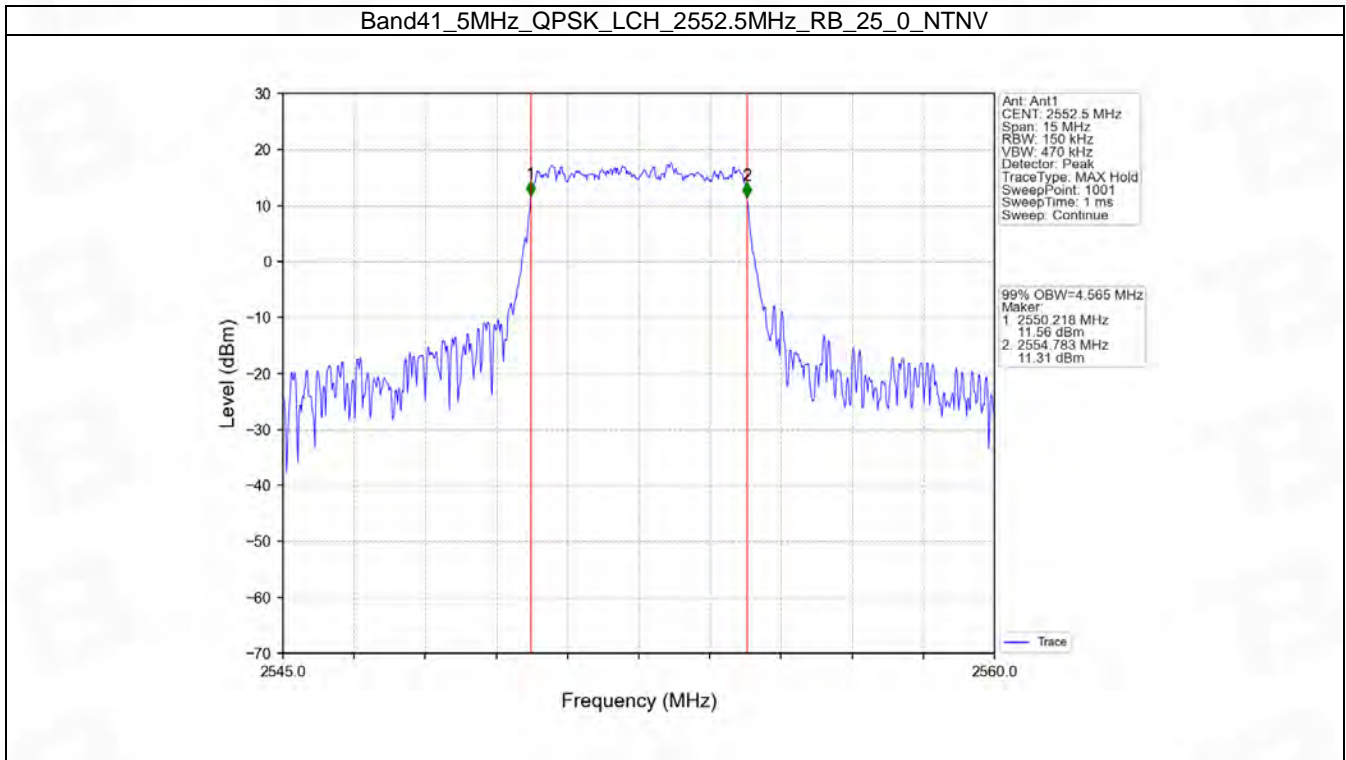
4. 99% & 26dB Bandwidth

4.1 Band41_OBW

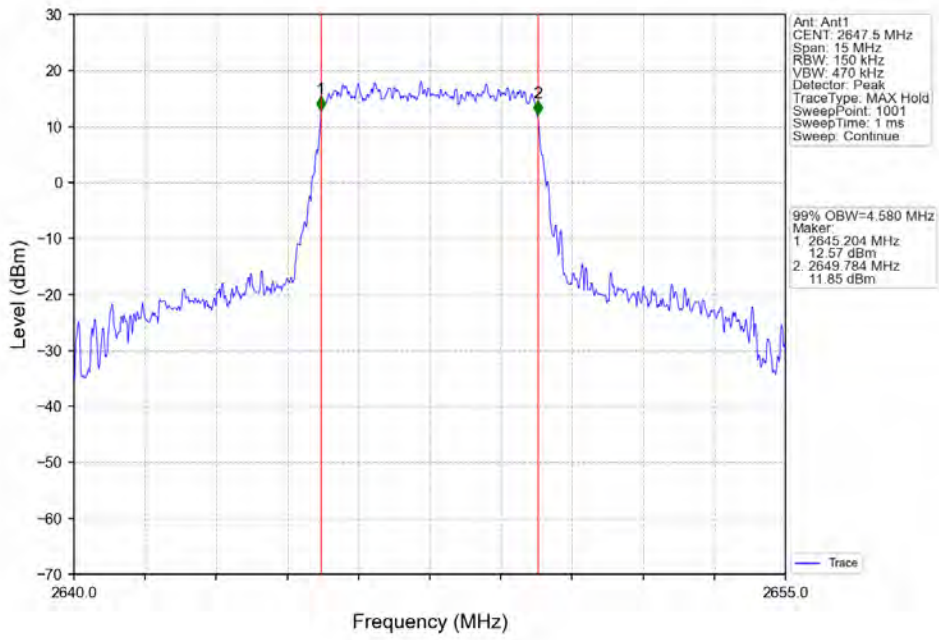
4.1.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2552.5	25	0	4.565	/	Pass
		2600	25	0	4.553	/	Pass
		2647.5	25	0	4.580	/	Pass
	16QAM	2552.5	25	0	4.555	/	Pass
		2600	25	0	4.604	/	Pass
		2647.5	25	0	4.569	/	Pass
10	QPSK	2555	50	0	9.122	/	Pass
		2600	50	0	9.080	/	Pass
		2645	50	0	9.094	/	Pass
	16QAM	2555	50	0	9.094	/	Pass
		2600	50	0	9.051	/	Pass
		2645	50	0	9.072	/	Pass
15	QPSK	2557.5	75	0	13.599	/	Pass
		2600	75	0	13.578	/	Pass
		2642.5	75	0	13.628	/	Pass
	16QAM	2557.5	75	0	13.695	/	Pass
		2600	75	0	13.648	/	Pass
		2642.5	75	0	13.648	/	Pass
20	QPSK	2560	100	0	18.159	/	Pass
		2600	100	0	18.126	/	Pass
		2640	100	0	18.131	/	Pass
	16QAM	2560	100	0	18.103	/	Pass
		2600	100	0	18.114	/	Pass
		2640	100	0	18.162	/	Pass

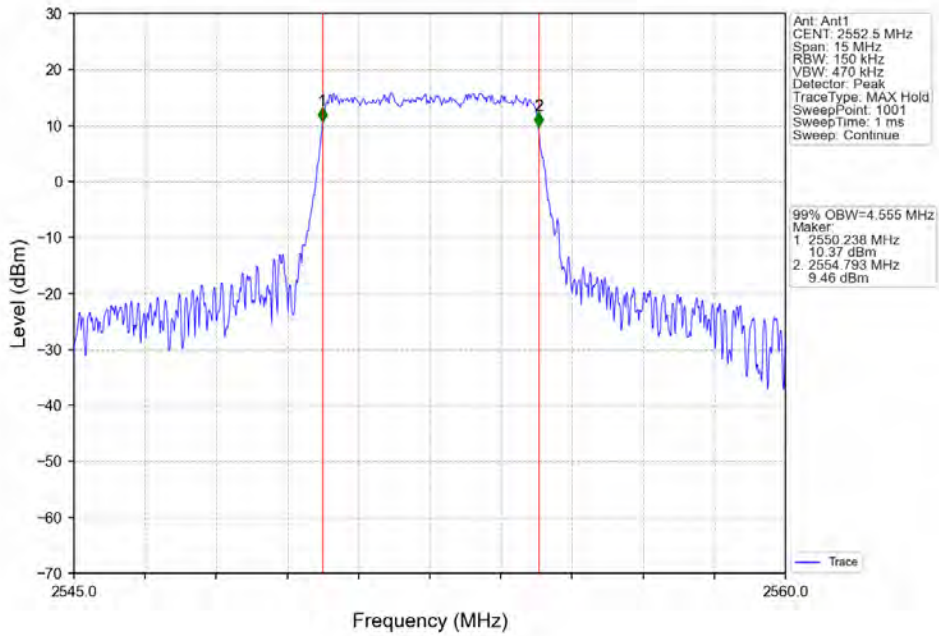
4.1.2 Test Graph



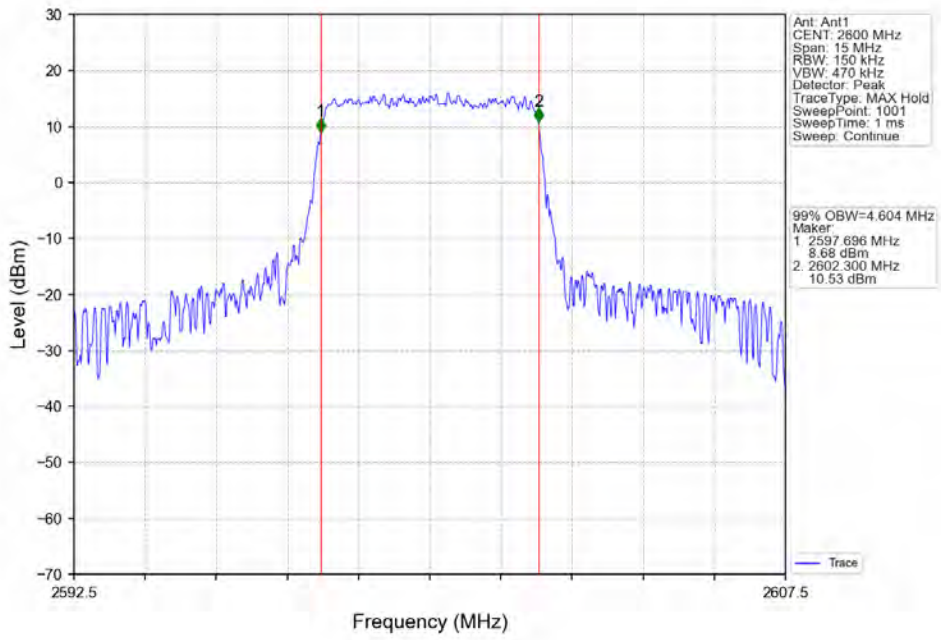
Band41_5MHz_QPSK_HCH_2647.5MHz_RB_25_0_NTNV



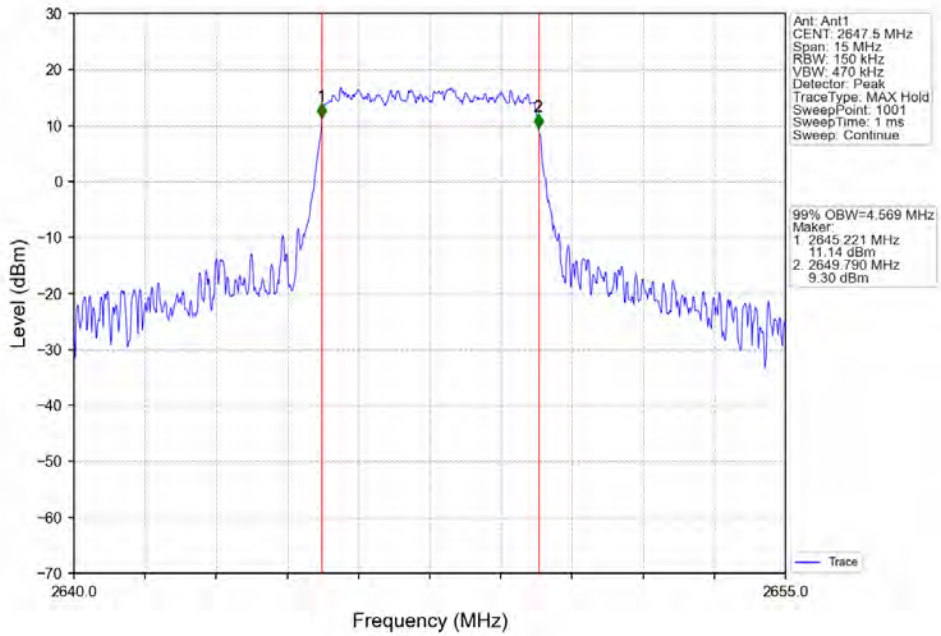
Band41_5MHz_16QAM_LCH_2552.5MHz_RB_25_0_NTNV



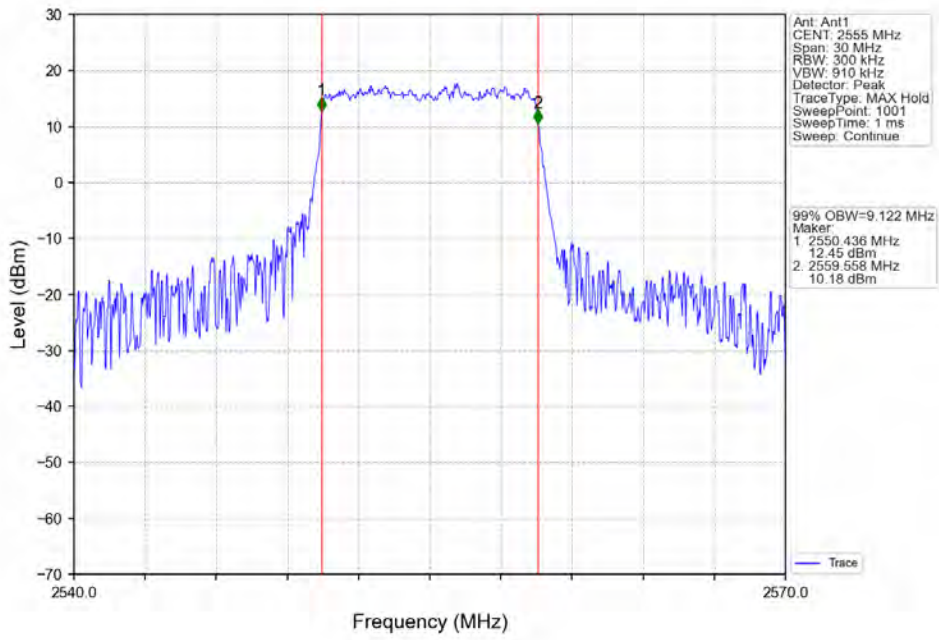
Band41_5MHz_16QAM_MCH_2600MHz_RB_25_0_NTNV



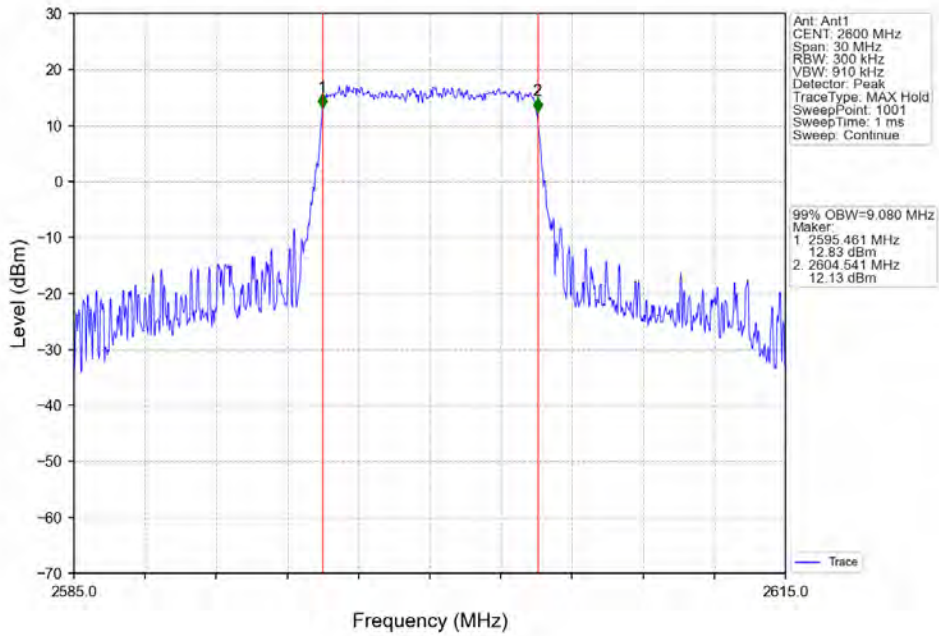
Band41_5MHz_16QAM_HCH_2647.5MHz_RB_25_0_NTNV



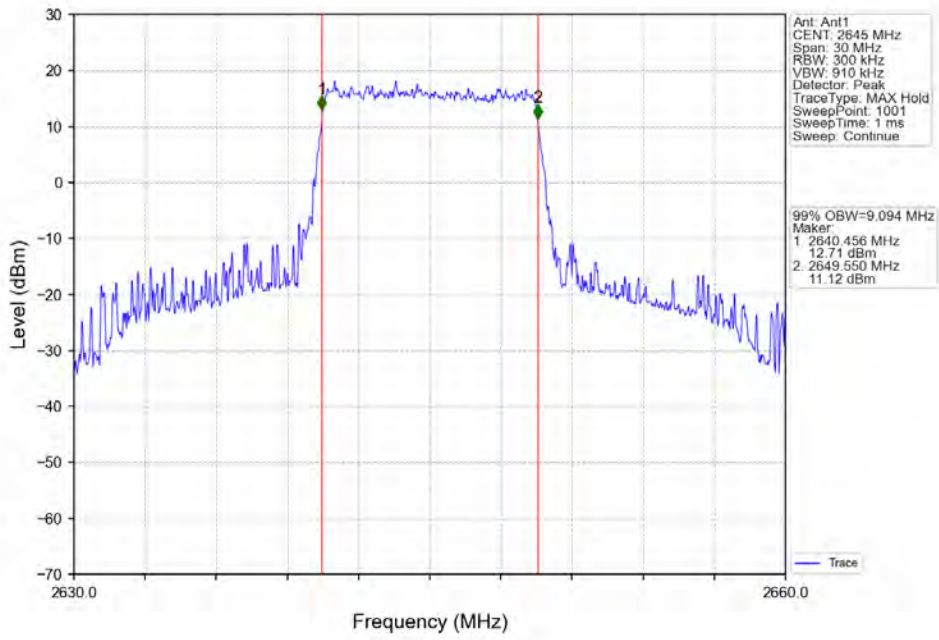
Band41_10MHz_QPSK_LCH_2555MHz_RB_50_0_NTNV



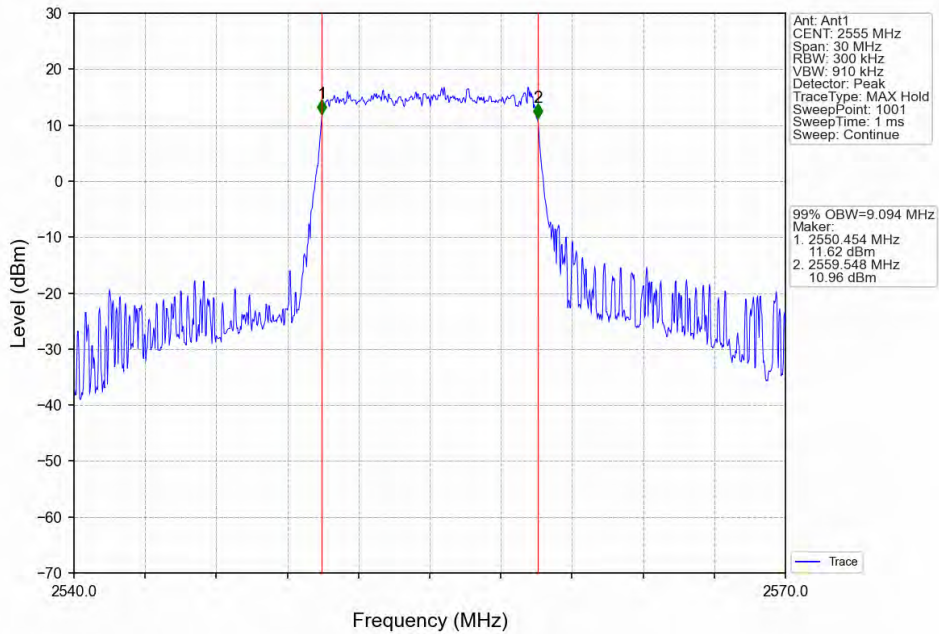
Band41_10MHz_QPSK_MCH_2600MHz_RB_50_0_NTNV



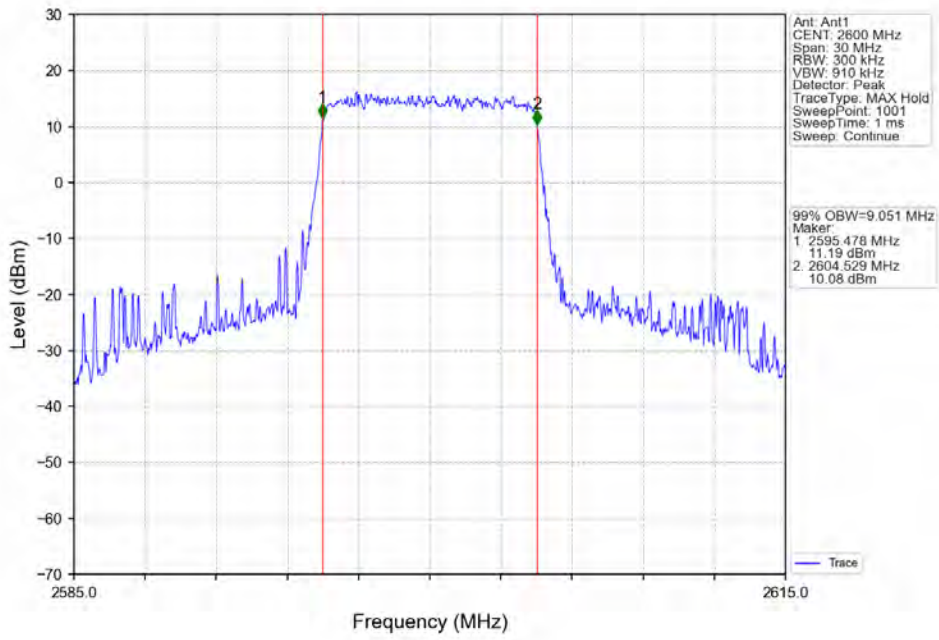
Band41_10MHz_QPSK_HCH_2645MHz_RB_50_0_NTNV



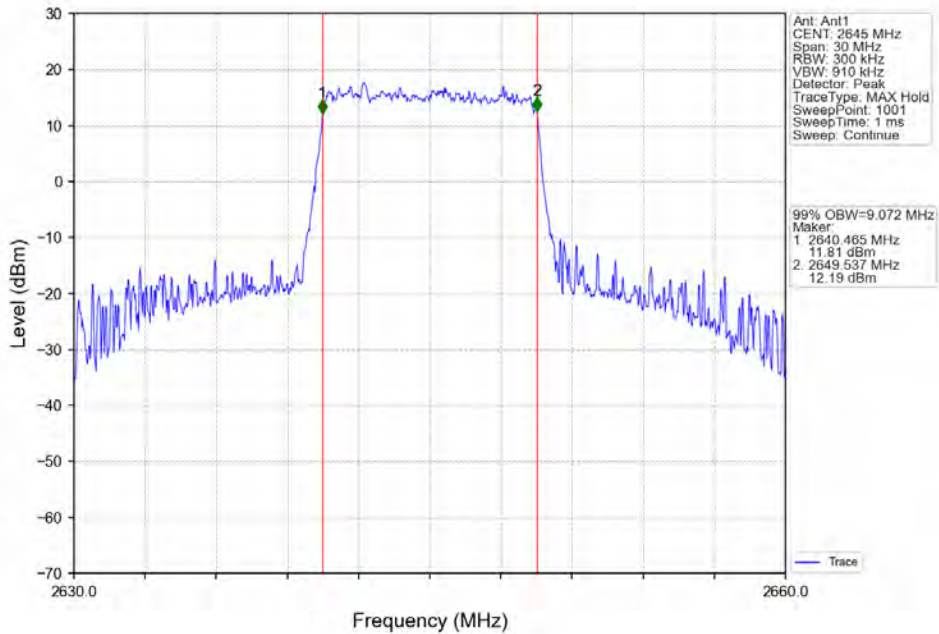
Band41_10MHz_16QAM_LCH_2555MHz_RB_50_0_NTNV



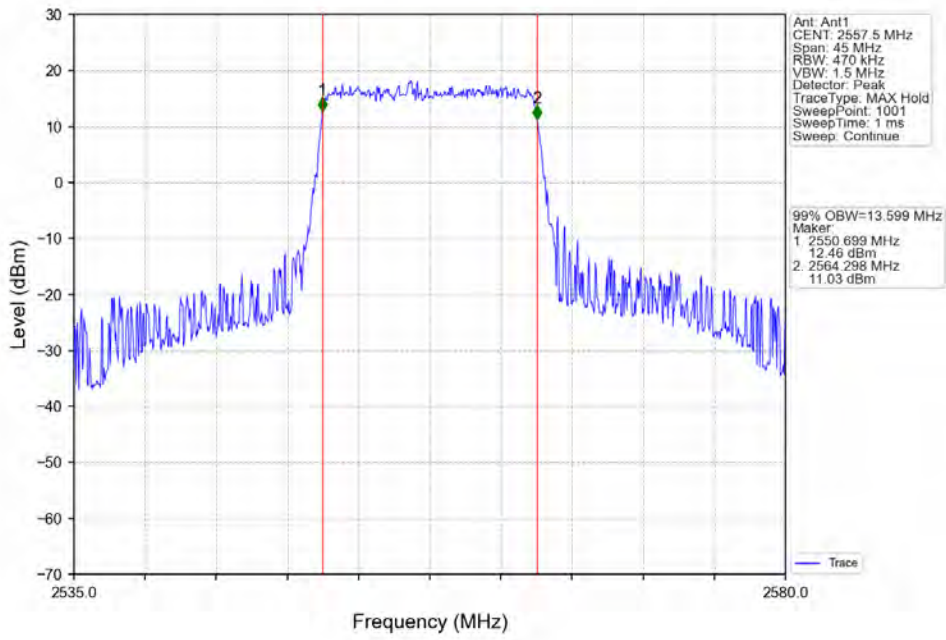
Band41_10MHz_16QAM_MCH_2600MHz_RB_50_0_NTNV



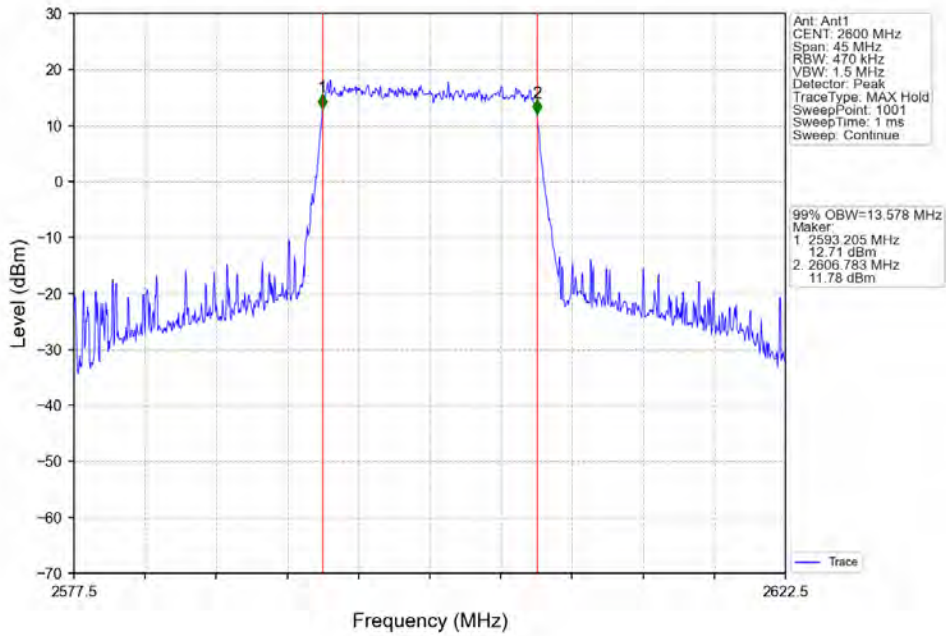
Band41_10MHz_16QAM_HCH_2645MHz_RB_50_0_NTNV



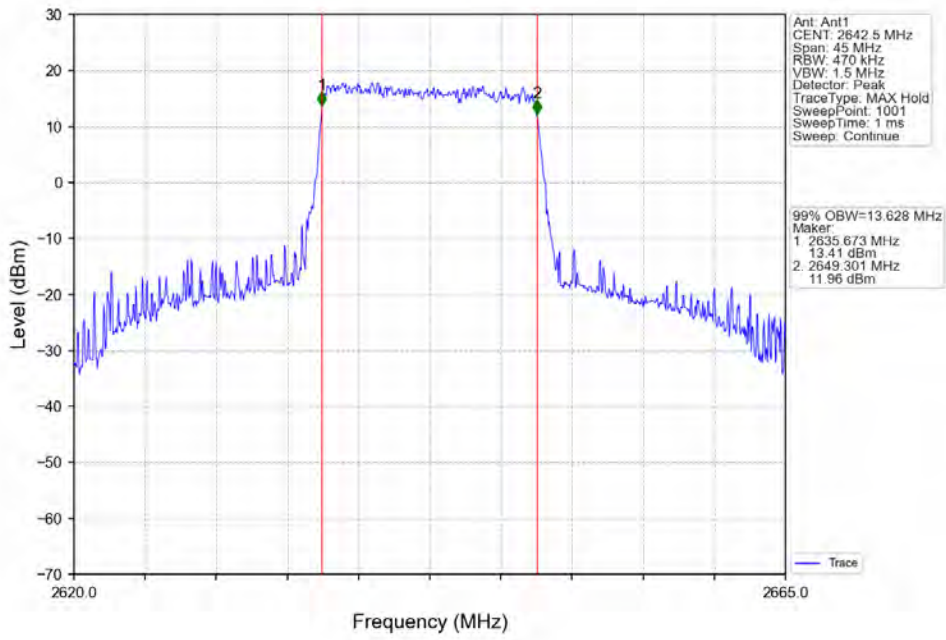
Band41_15MHz_QPSK_LCH_2557.5MHz_RB_75_0_NTNV



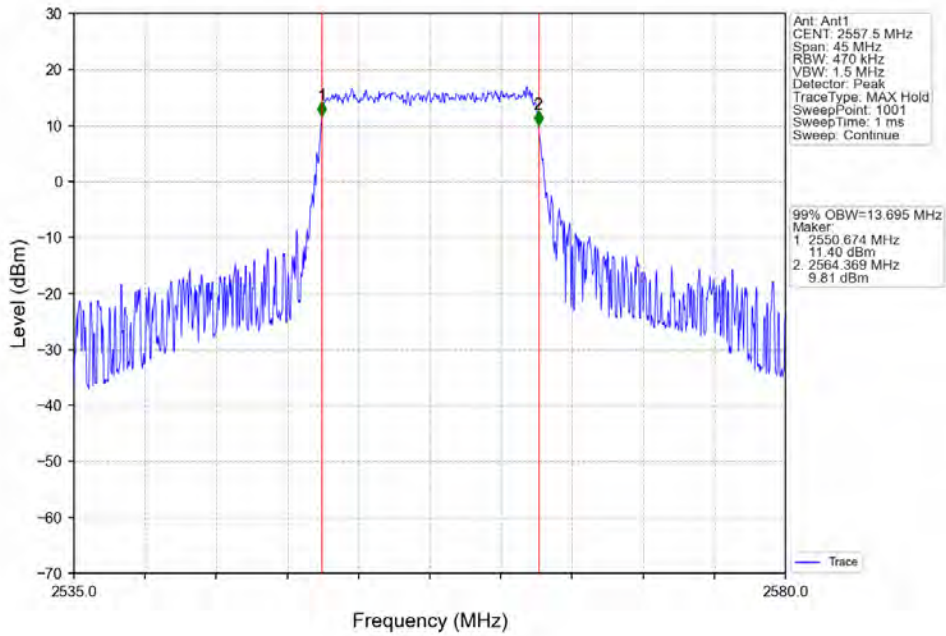
Band41_15MHz_QPSK_MCH_2600MHz_RB_75_0_NTNV



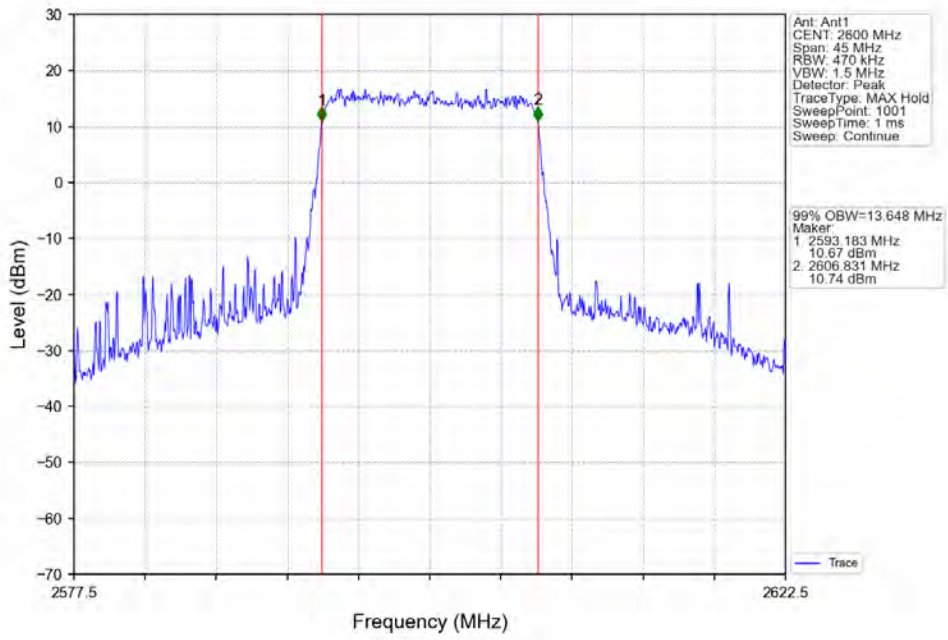
Band41_15MHz_QPSK_HCH_2642.5MHz_RB_75_0_NTNV



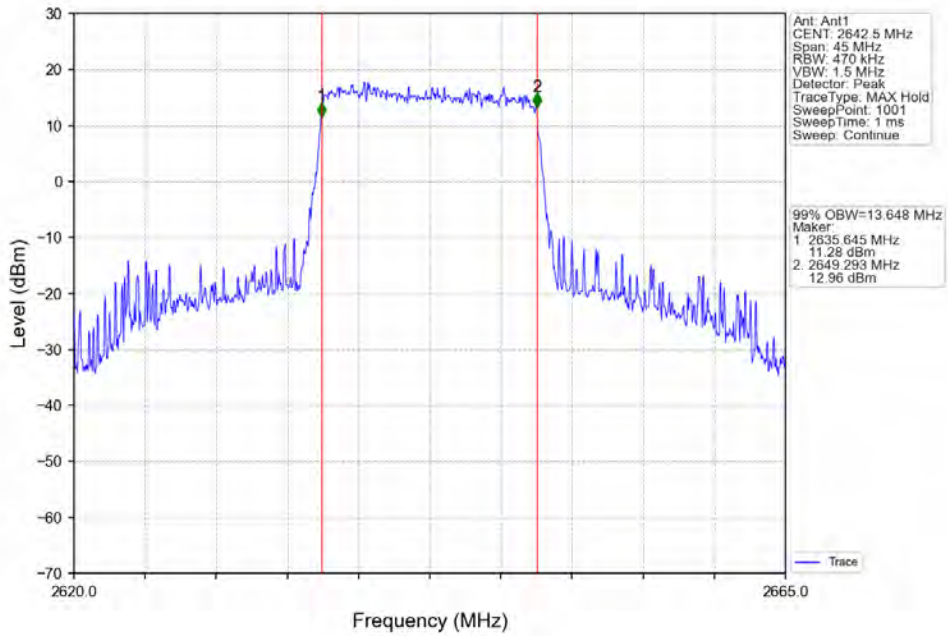
Band41_15MHz_16QAM_LCH_2557.5MHz_RB_75_0_NTNV



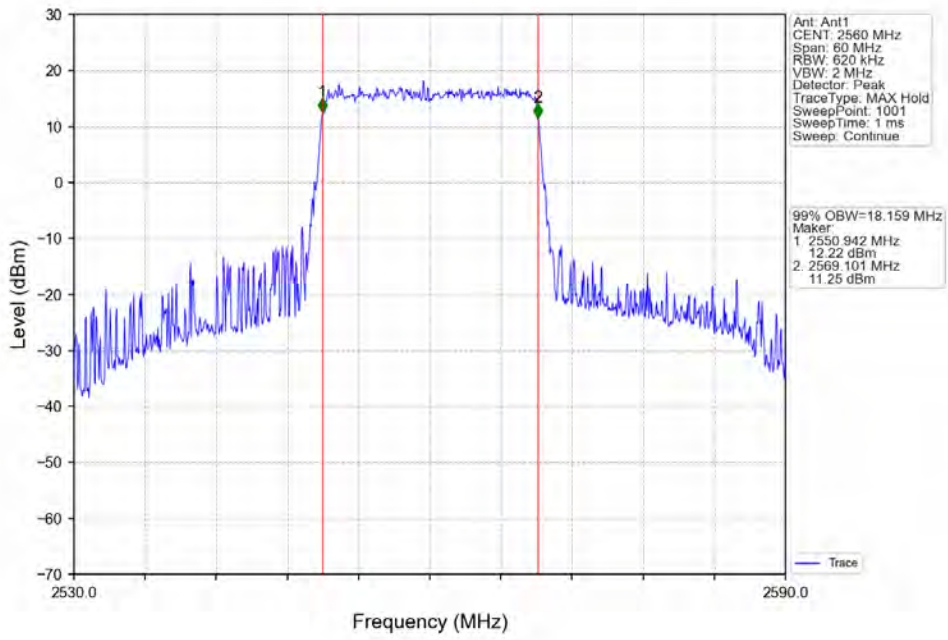
Band41_15MHz_16QAM_MCH_2600MHz_RB_75_0_NTNV



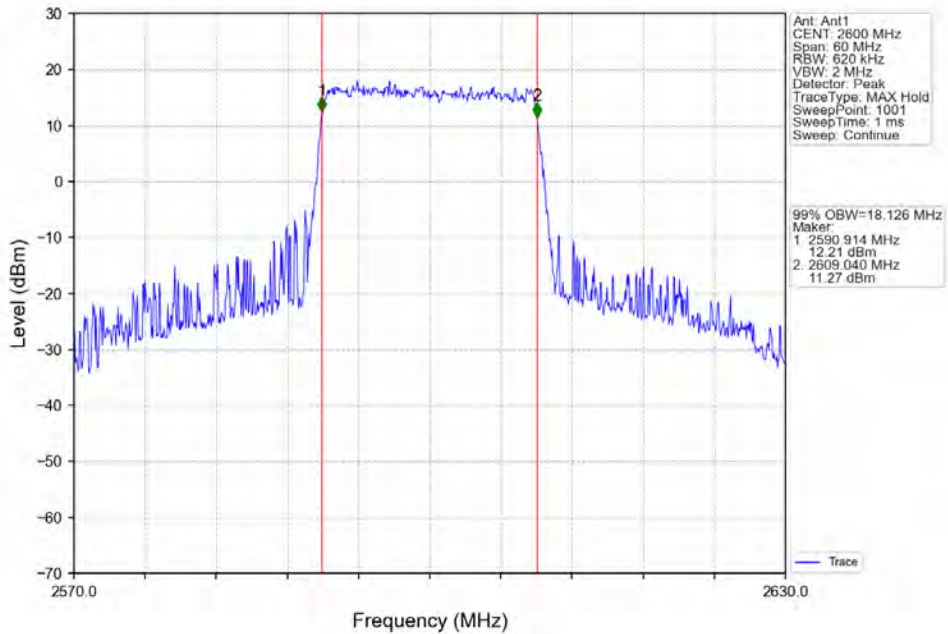
Band41_15MHz_16QAM_HCH_2642.5MHz_RB_75_0_NTNV



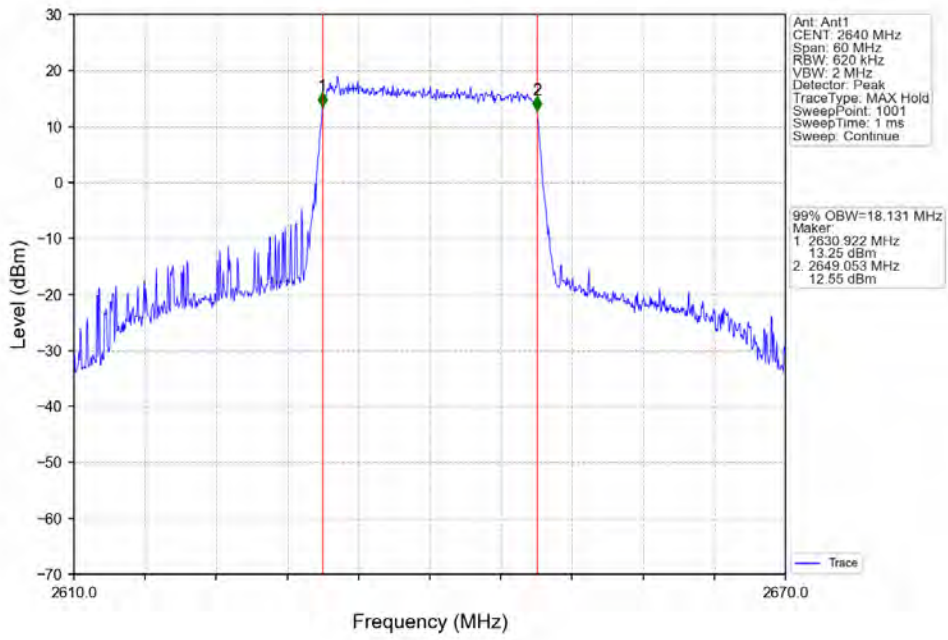
Band41_20MHz_QPSK_LCH_2560MHz_RB_100_0_NTNV



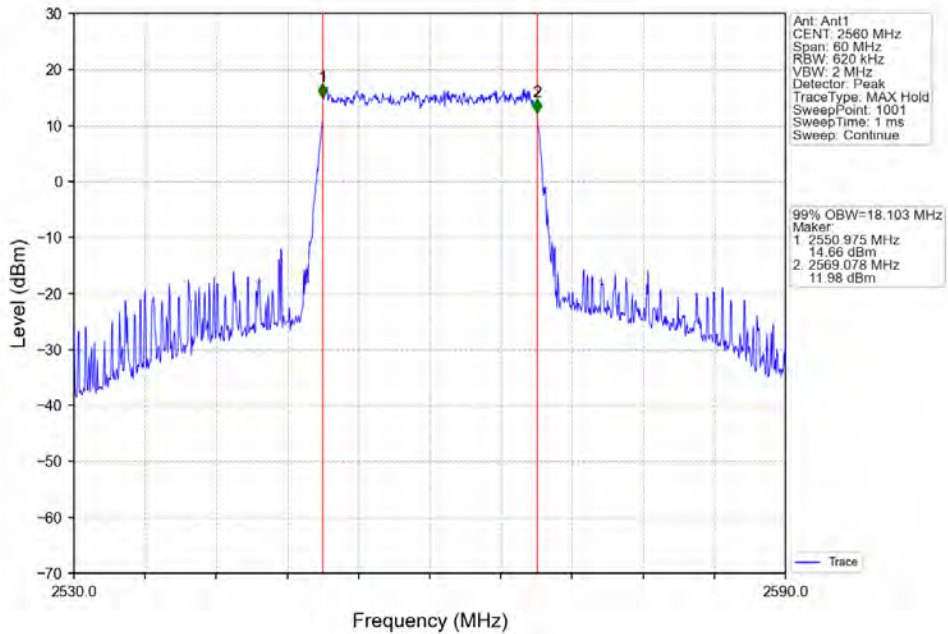
Band41_20MHz_QPSK_MCH_2600MHz_RB_100_0_NTNV



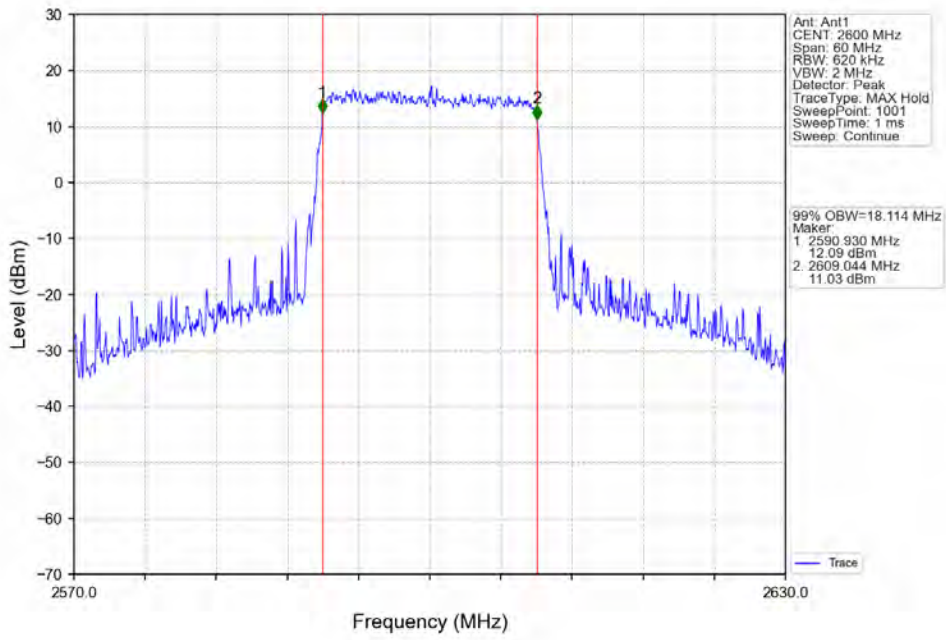
Band41_20MHz_QPSK_HCH_2640MHz_RB_100_0_NTNV



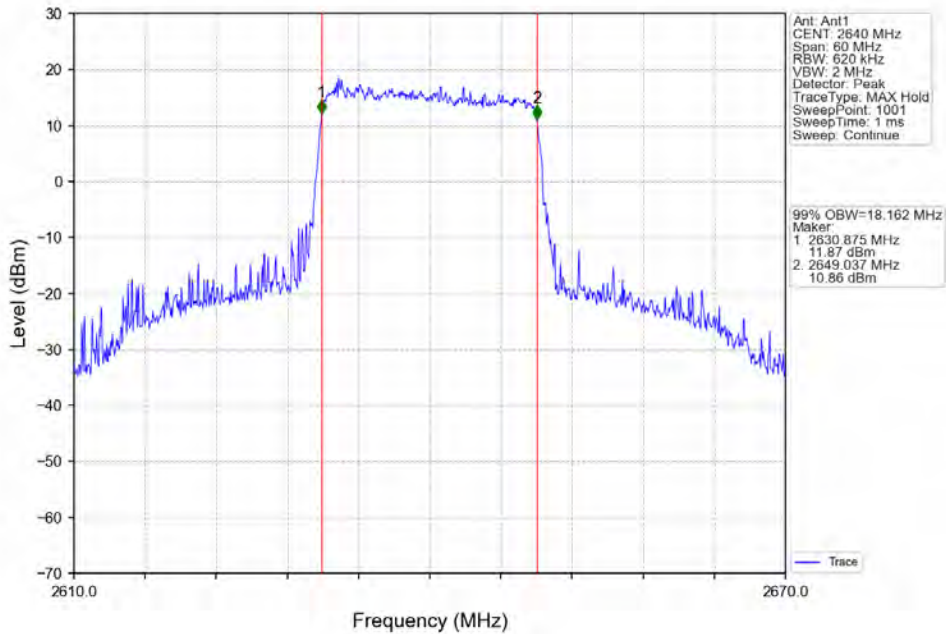
Band41_20MHz_16QAM_LCH_2560MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2600MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2640MHz_RB_100_0_NTNV

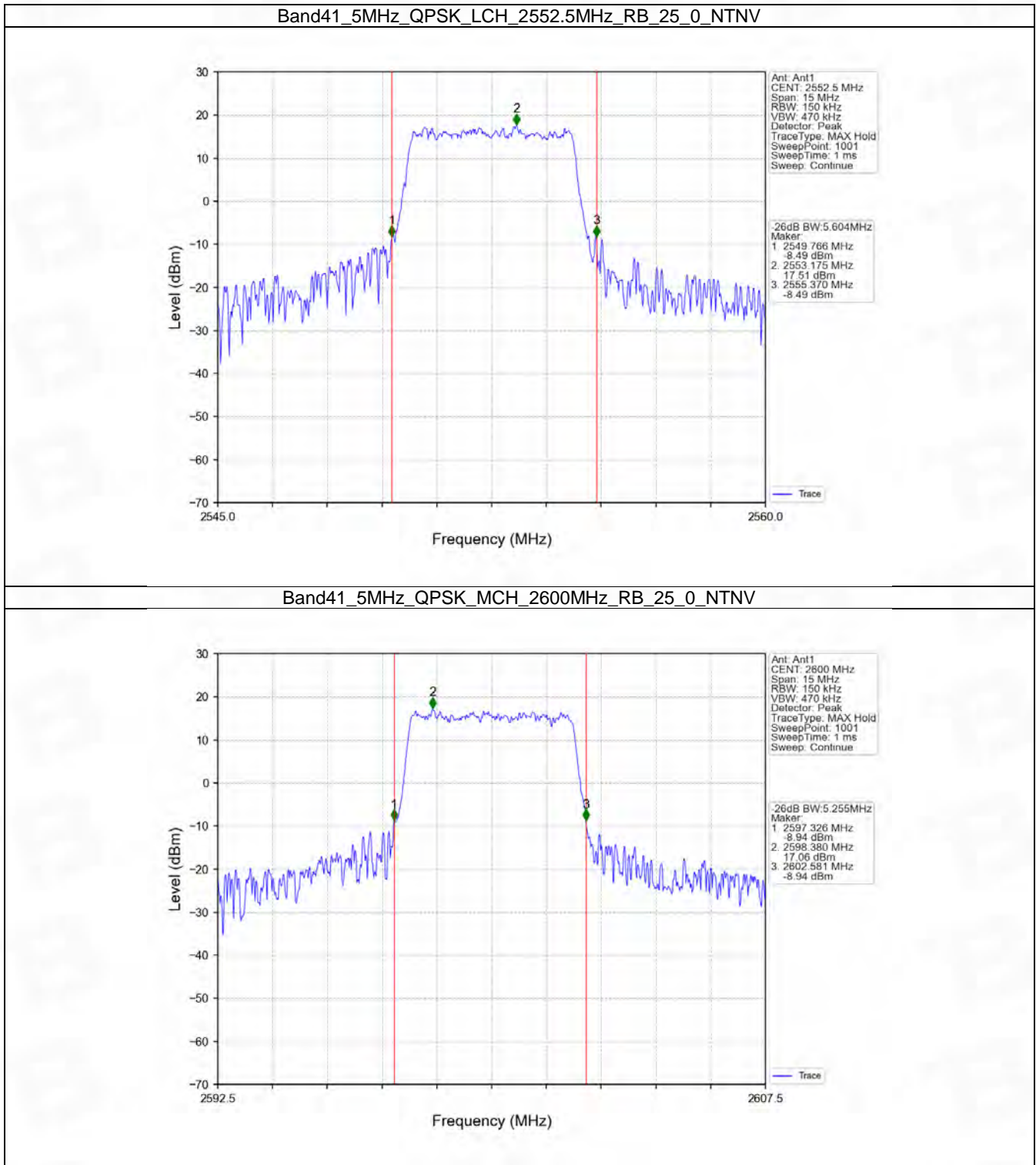


4.2 Band41_XDB

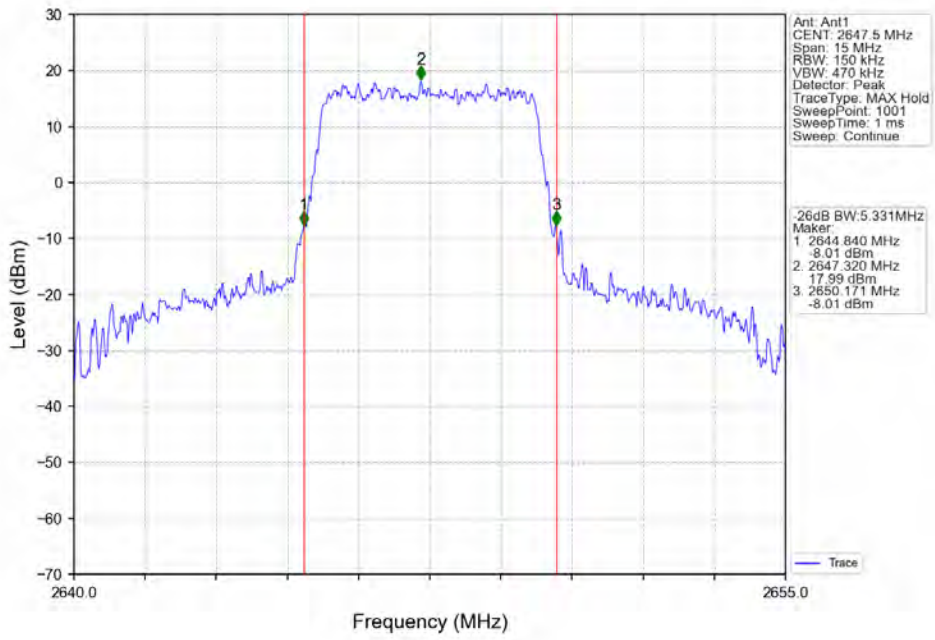
4.2.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2552.5	25	0	5.604	/	Pass
		2600	25	0	5.255	/	Pass
		2647.5	25	0	5.331	/	Pass
	16QAM	2552.5	25	0	5.329	/	Pass
		2600	25	0	5.375	/	Pass
		2647.5	25	0	5.440	/	Pass
10	QPSK	2555	50	0	11.189	/	Pass
		2600	50	0	11.288	/	Pass
		2645	50	0	10.685	/	Pass
	16QAM	2555	50	0	10.586	/	Pass
		2600	50	0	10.438	/	Pass
		2645	50	0	10.118	/	Pass
15	QPSK	2557.5	75	0	16.121	/	Pass
		2600	75	0	15.231	/	Pass
		2642.5	75	0	15.702	/	Pass
	16QAM	2557.5	75	0	17.306	/	Pass
		2600	75	0	15.202	/	Pass
		2642.5	75	0	15.167	/	Pass
20	QPSK	2560	100	0	20.179	/	Pass
		2600	100	0	22.090	/	Pass
		2640	100	0	20.716	/	Pass
	16QAM	2560	100	0	19.912	/	Pass
		2600	100	0	21.357	/	Pass
		2640	100	0	20.096	/	Pass

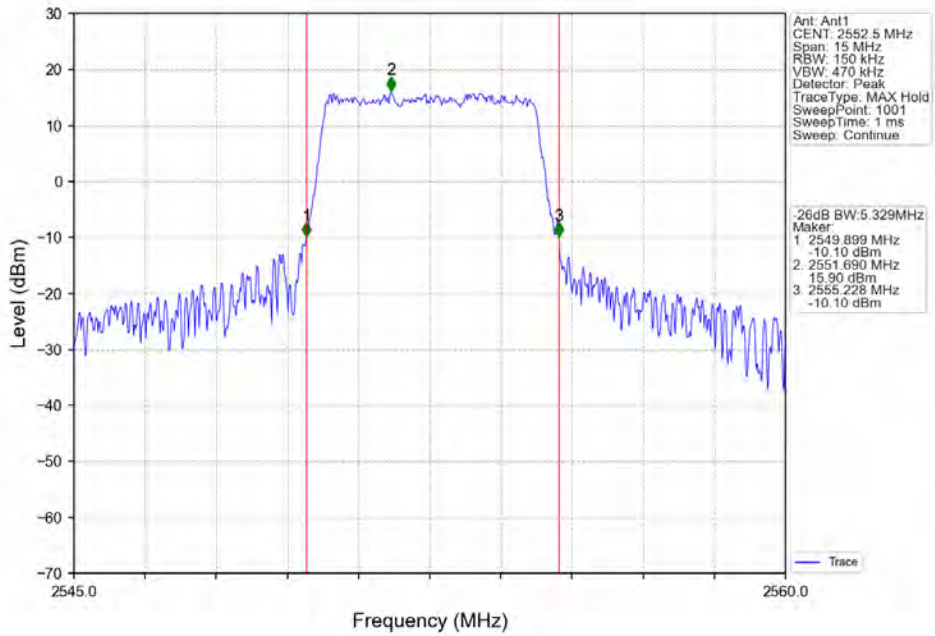
4.2.2 Test Graph



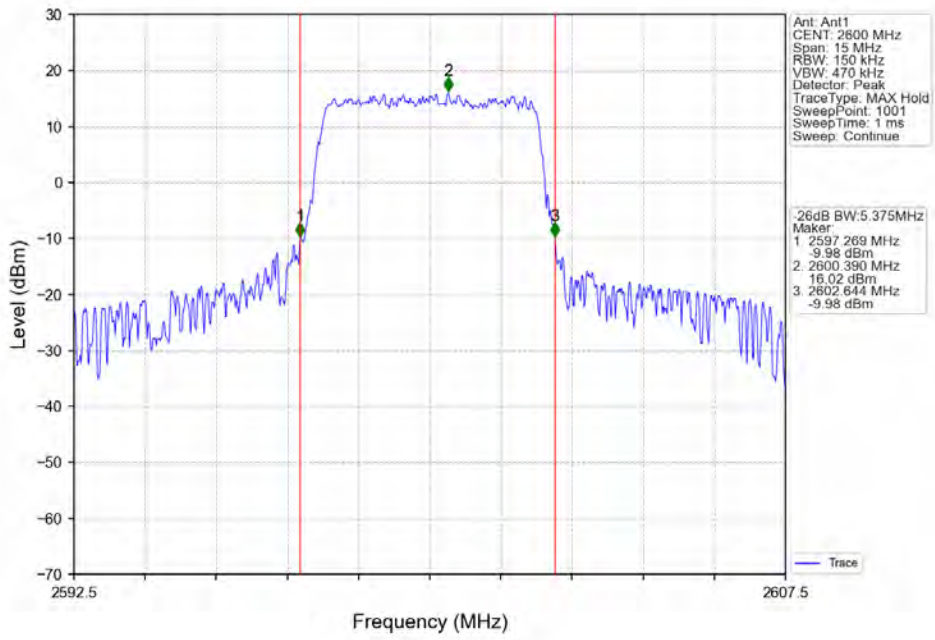
Band41_5MHz_QPSK_HCH_2647.5MHz_RB_25_0_NTNV



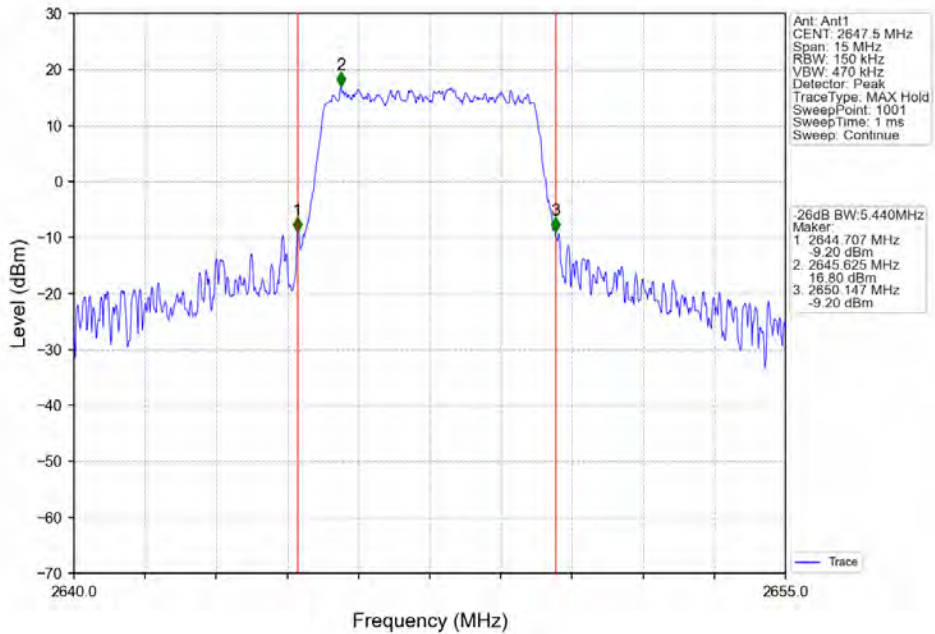
Band41_5MHz_16QAM_LCH_2552.5MHz_RB_25_0_NTNV



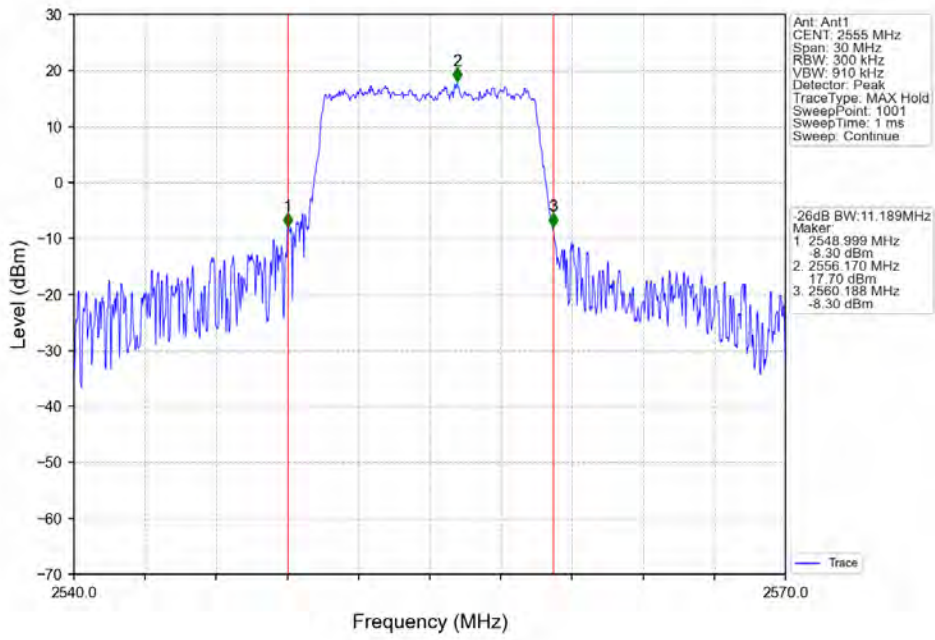
Band41_5MHz_16QAM_MCH_2600MHz_RB_25_0_NTNV



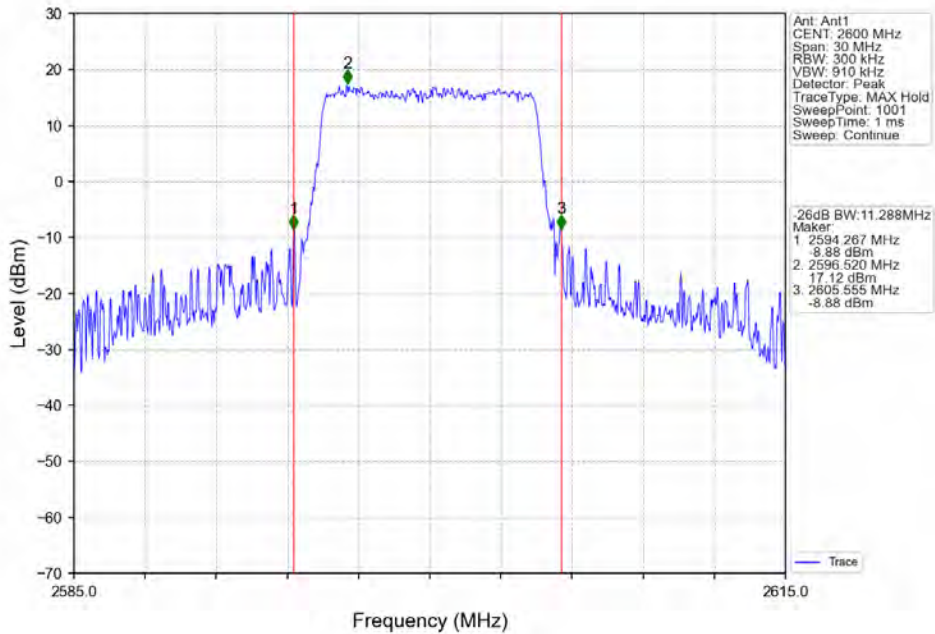
Band41_5MHz_16QAM_HCH_2647.5MHz_RB_25_0_NTNV



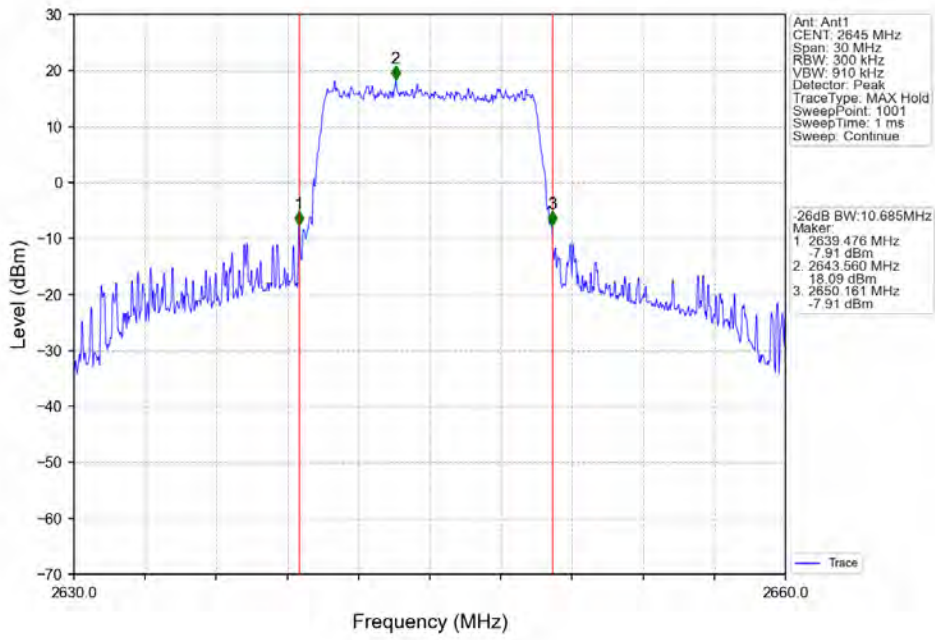
Band41_10MHz_QPSK_LCH_2555MHz_RB_50_0_NTNV



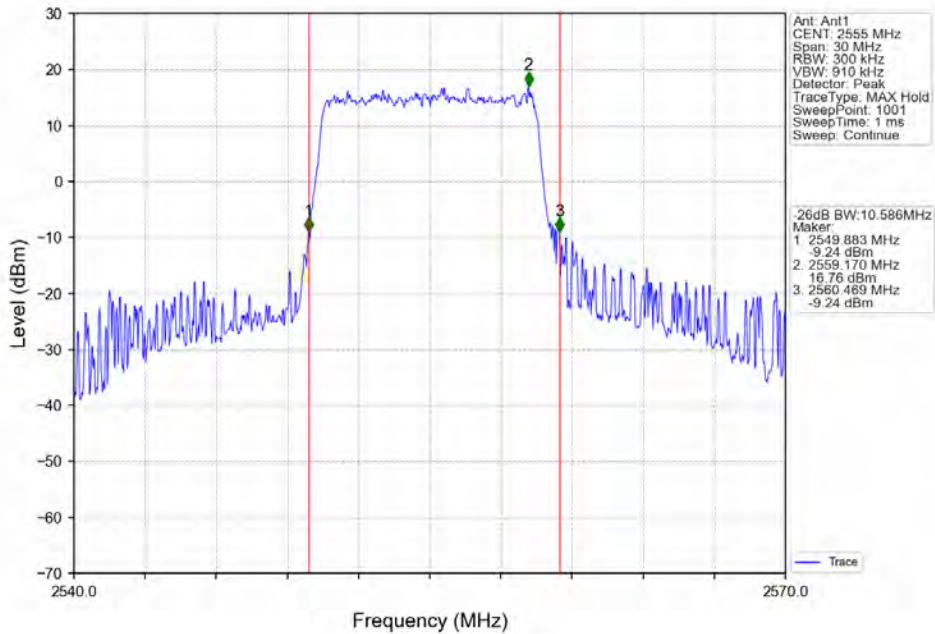
Band41_10MHz_QPSK_MCH_2600MHz_RB_50_0_NTNV



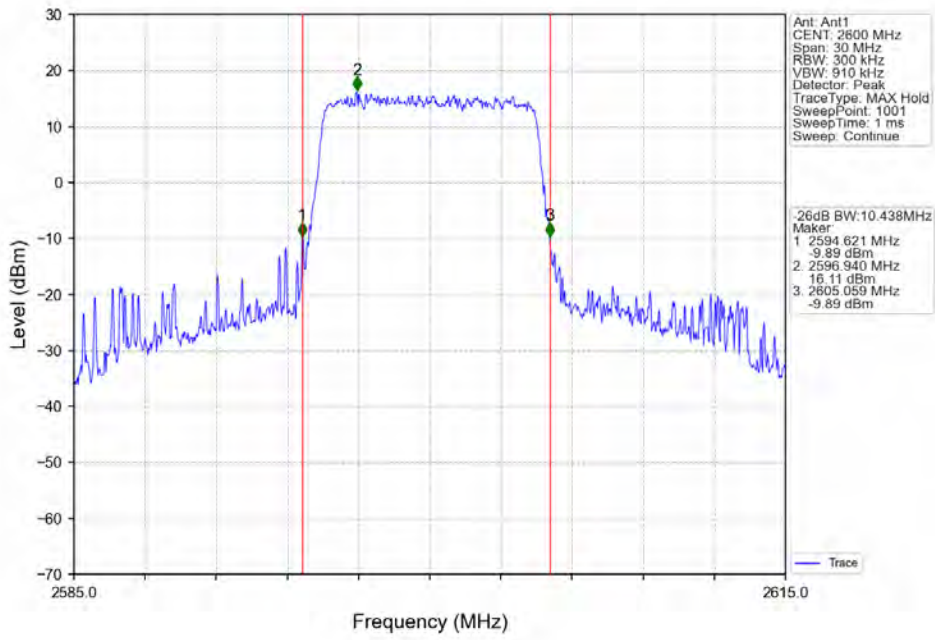
Band41_10MHz_QPSK_HCH_2645MHz_RB_50_0_NTNV



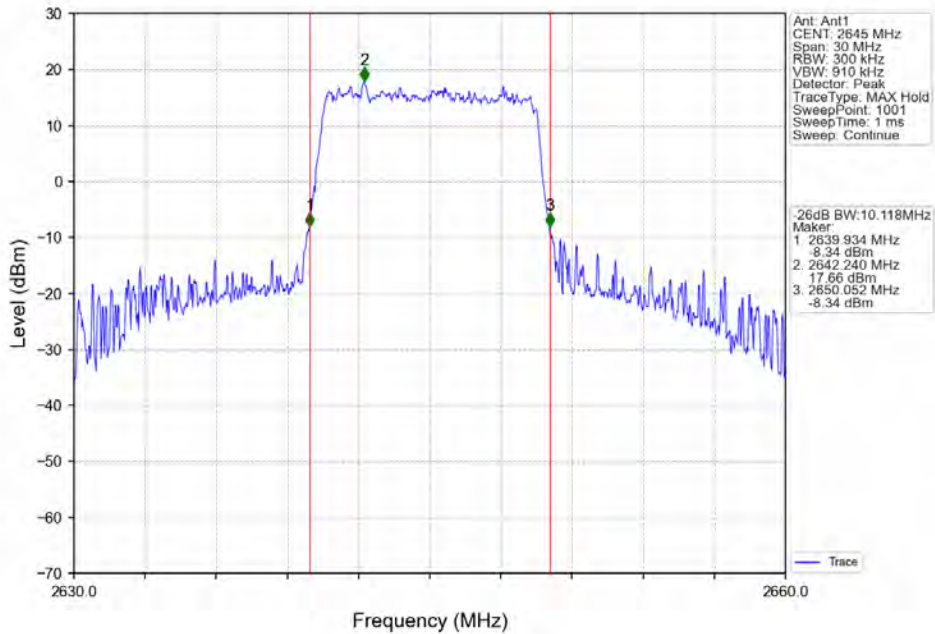
Band41_10MHz_16QAM_LCH_2555MHz_RB_50_0_NTNV



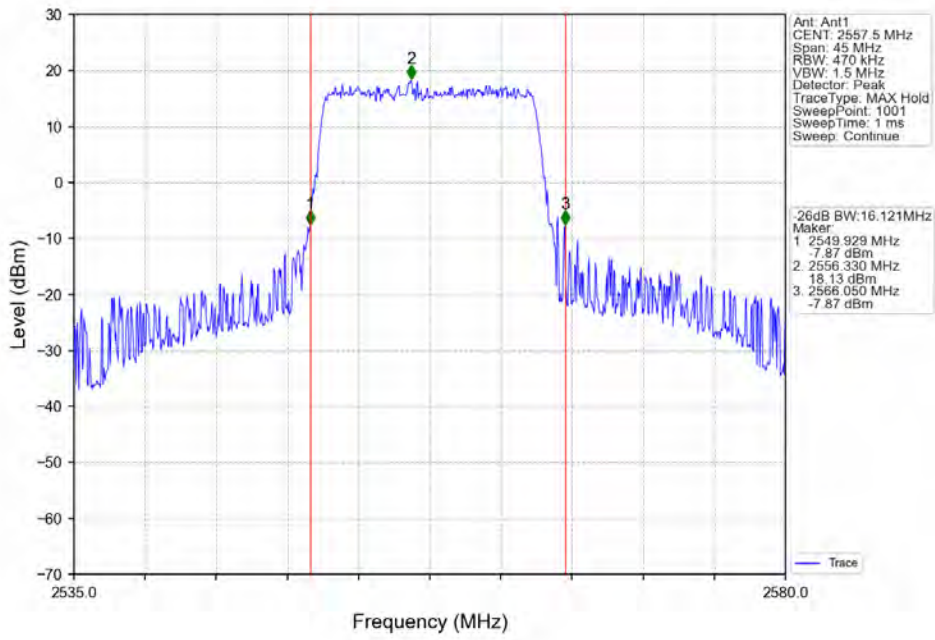
Band41_10MHz_16QAM_MCH_2600MHz_RB_50_0_NTNV



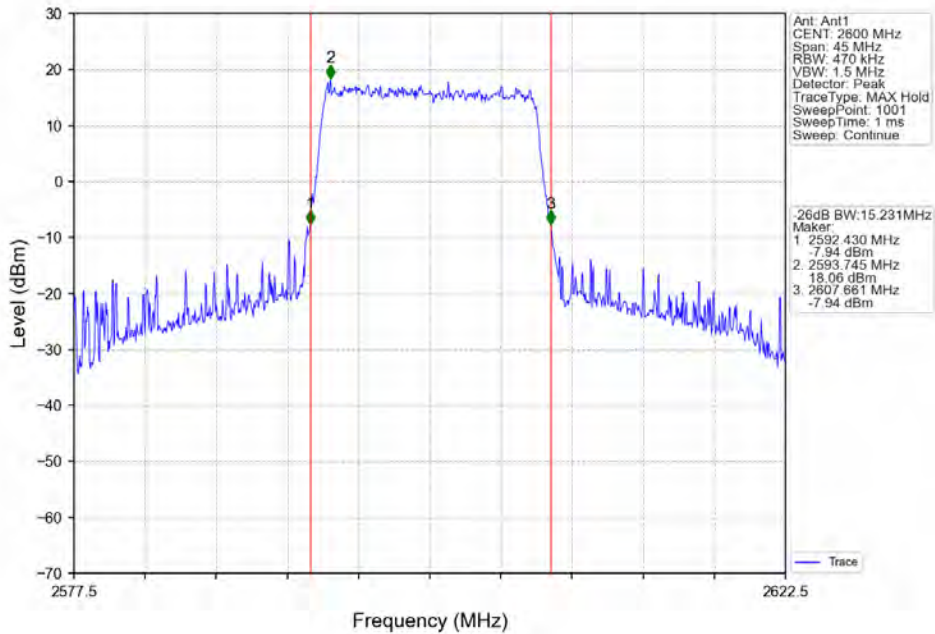
Band41_10MHz_16QAM_HCH_2645MHz_RB_50_0_NTNV



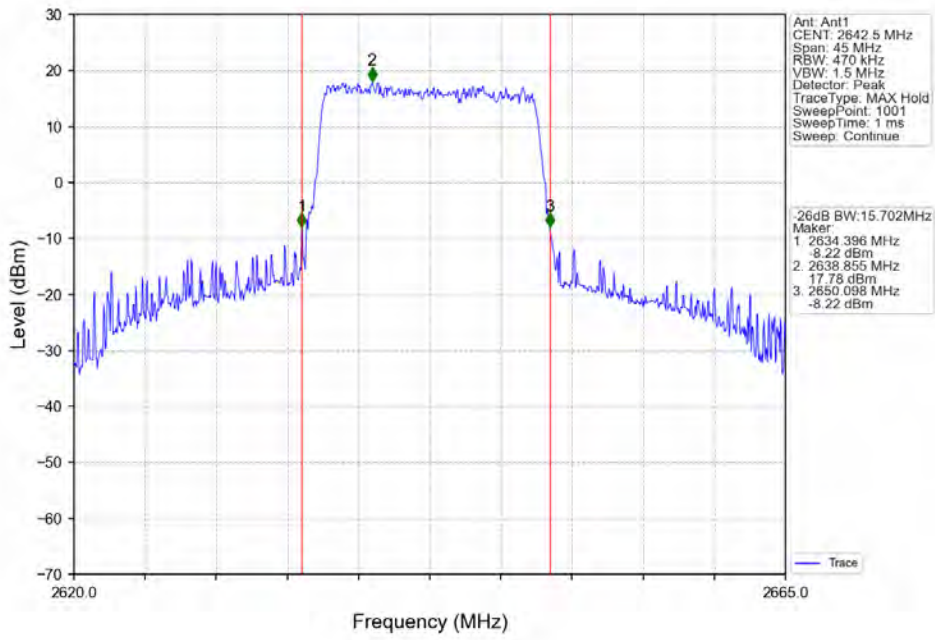
Band41_15MHz_QPSK_LCH_2557.5MHz_RB_75_0_NTNV



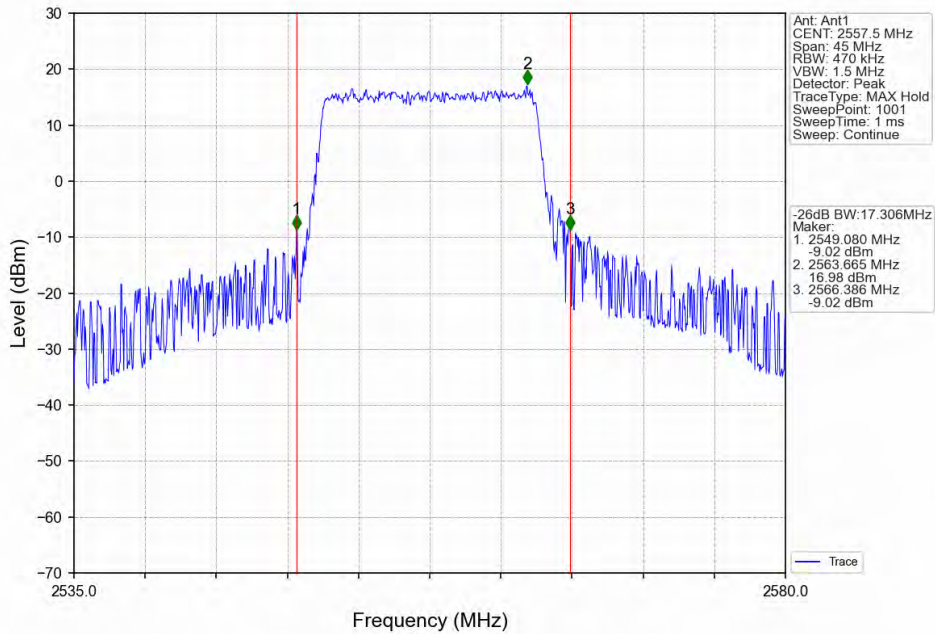
Band41_15MHz_QPSK_MCH_2600MHz_RB_75_0_NTNV



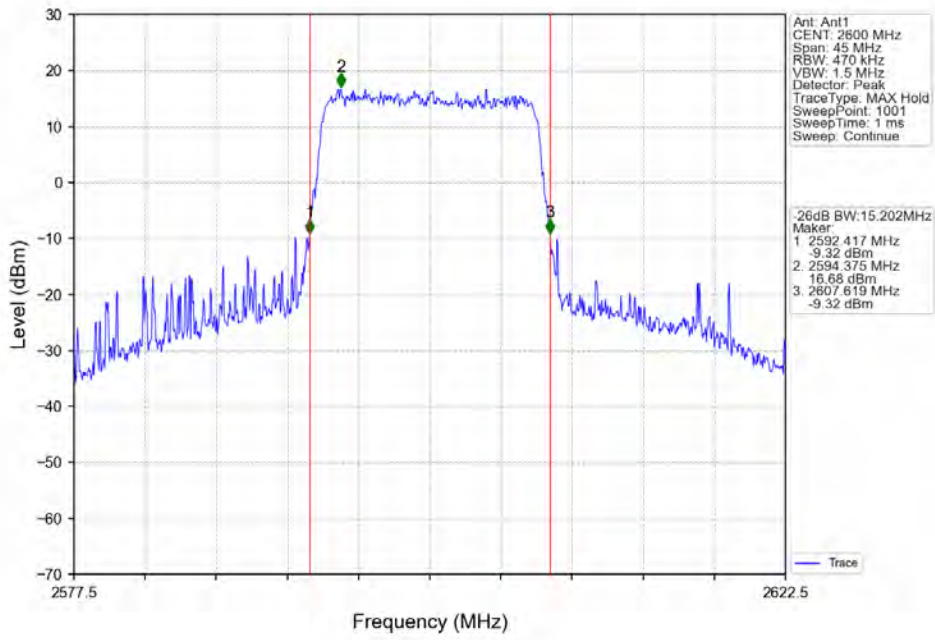
Band41_15MHz_QPSK_HCH_2642.5MHz_RB_75_0_NTNV



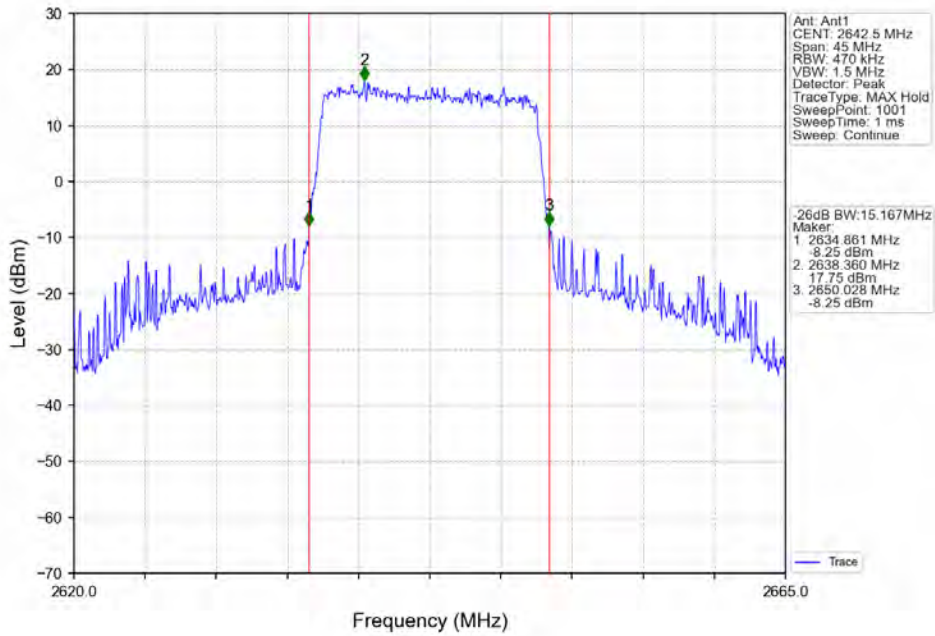
Band41_15MHz_16QAM_LCH_2557.5MHz_RB_75_0_NTNV



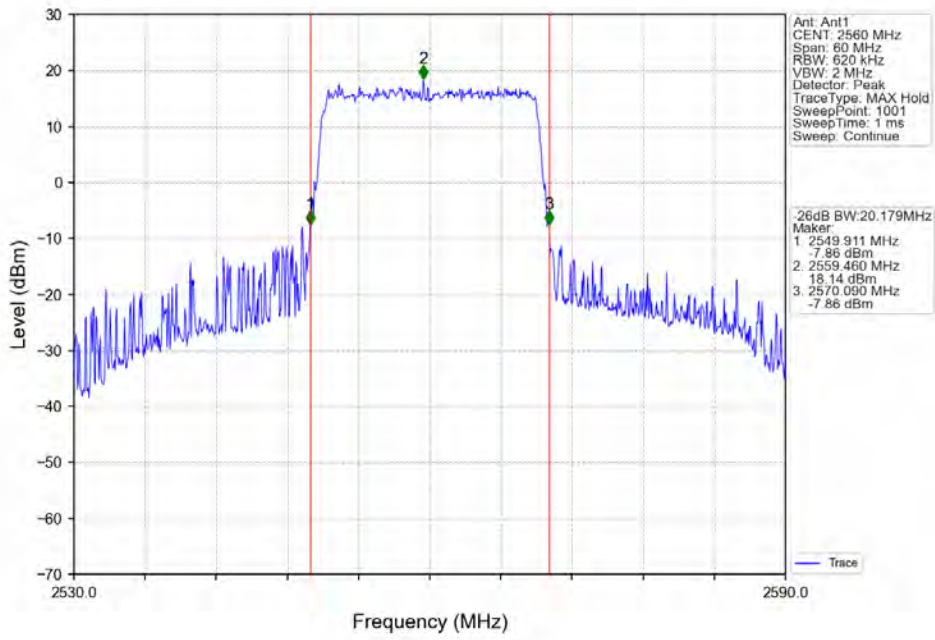
Band41_15MHz_16QAM_MCH_2600MHz_RB_75_0_NTNV



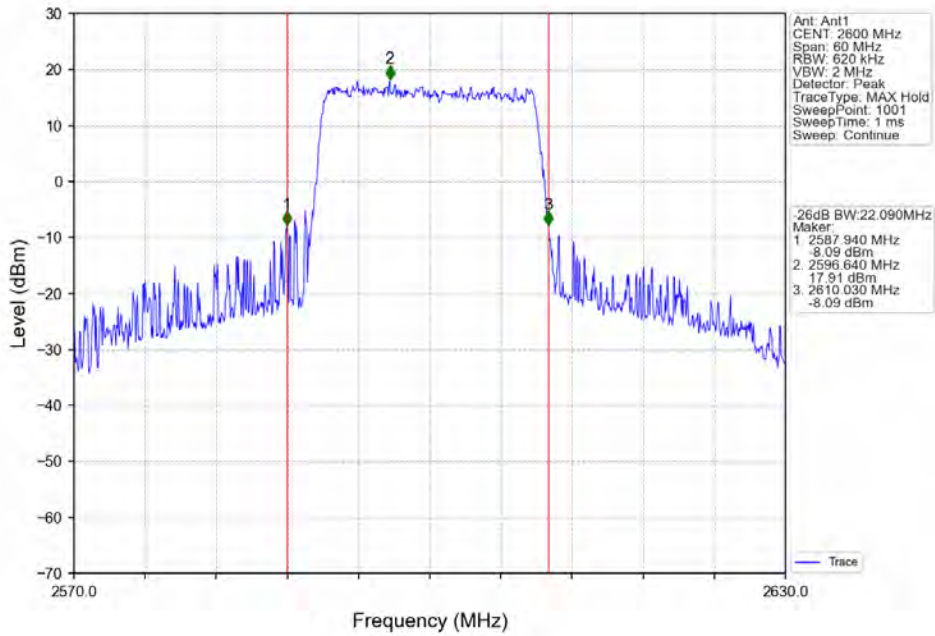
Band41_15MHz_16QAM_HCH_2642.5MHz_RB_75_0_NTNV



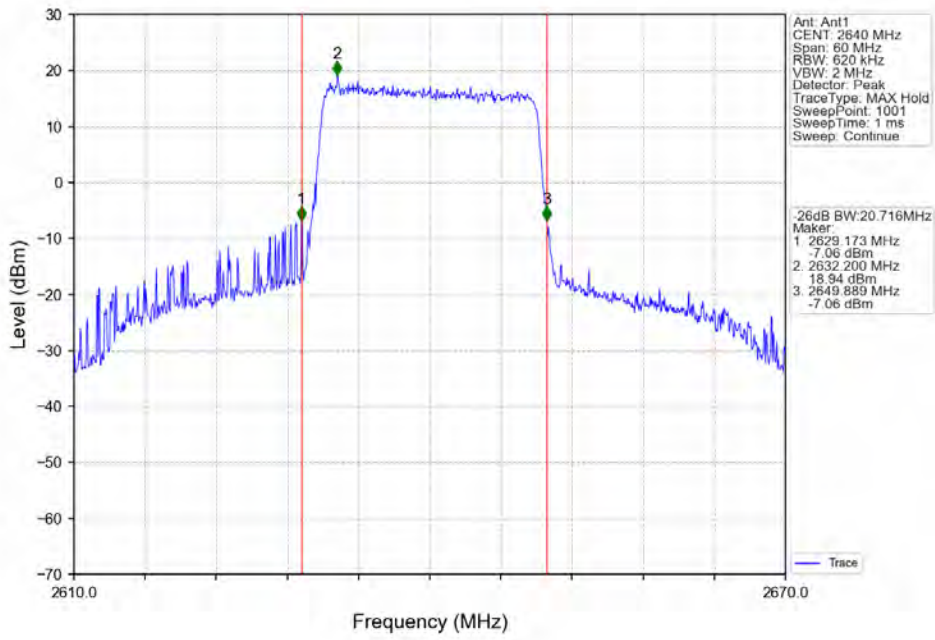
Band41_20MHz_QPSK_LCH_2560MHz_RB_100_0_NTNV



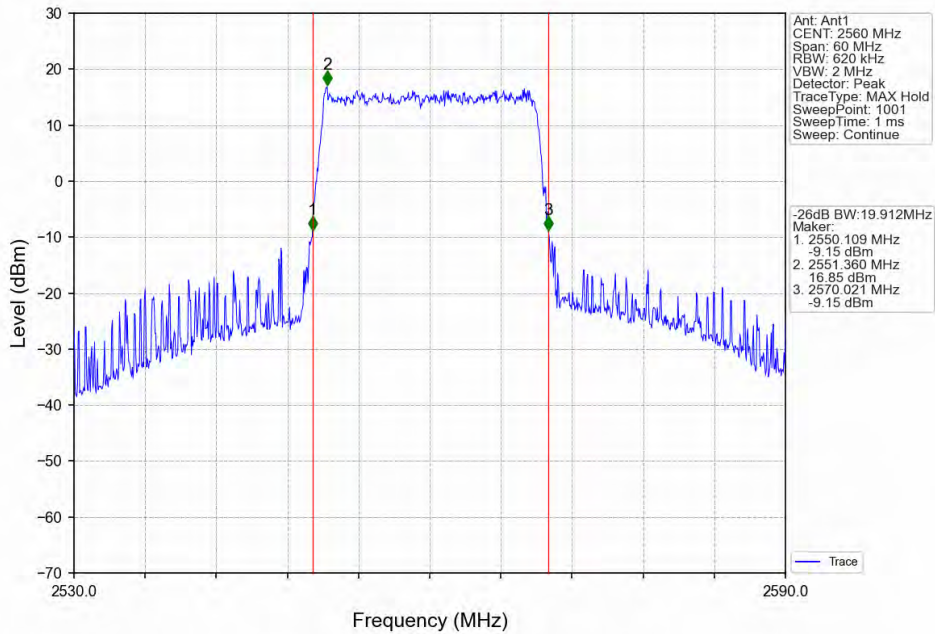
Band41_20MHz_QPSK_MCH_2600MHz_RB_100_0_NTNV



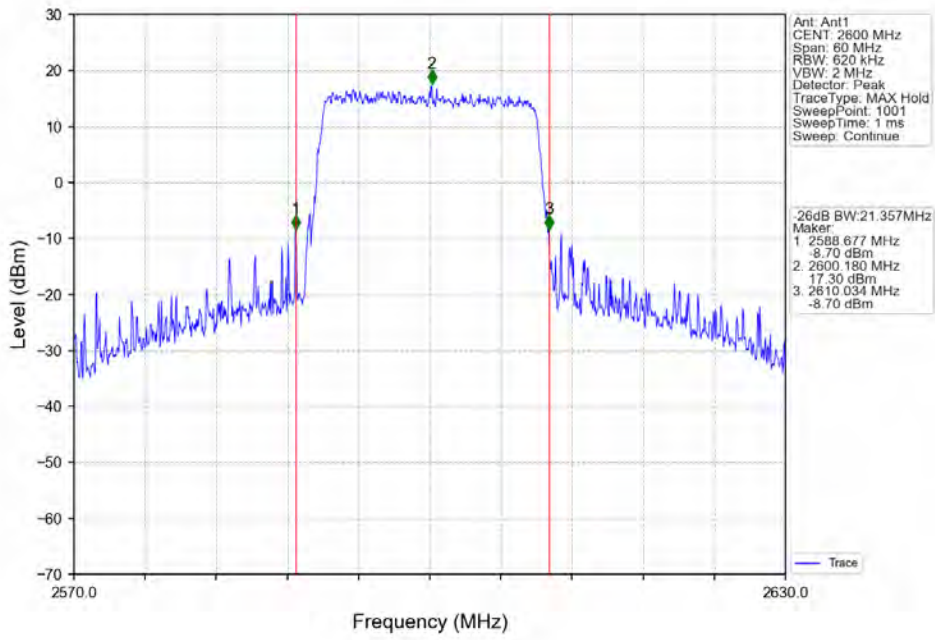
Band41_20MHz_QPSK_HCH_2640MHz_RB_100_0_NTNV



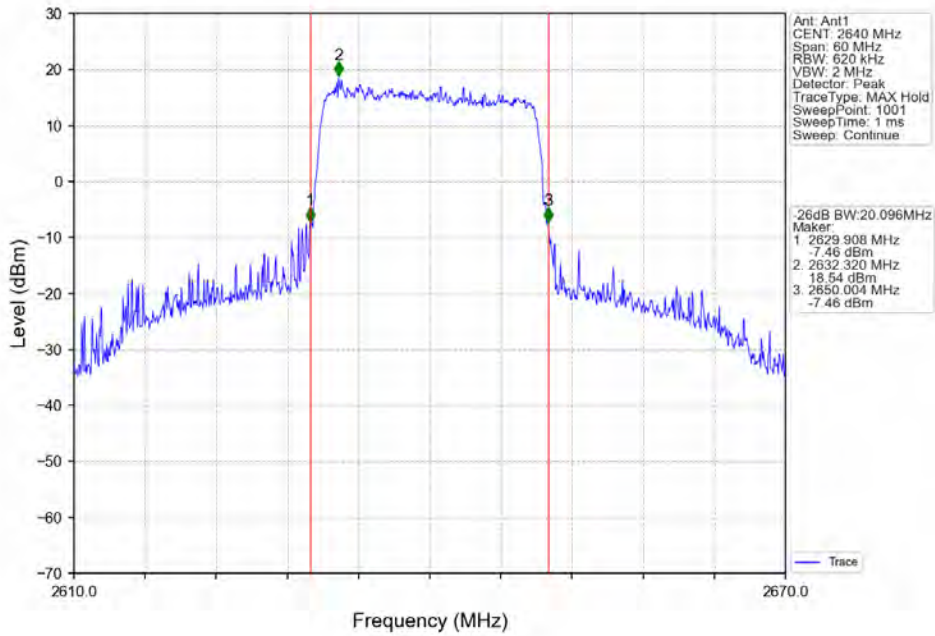
Band41_20MHz_16QAM_LCH_2560MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2600MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2640MHz_RB_100_0_NTNV



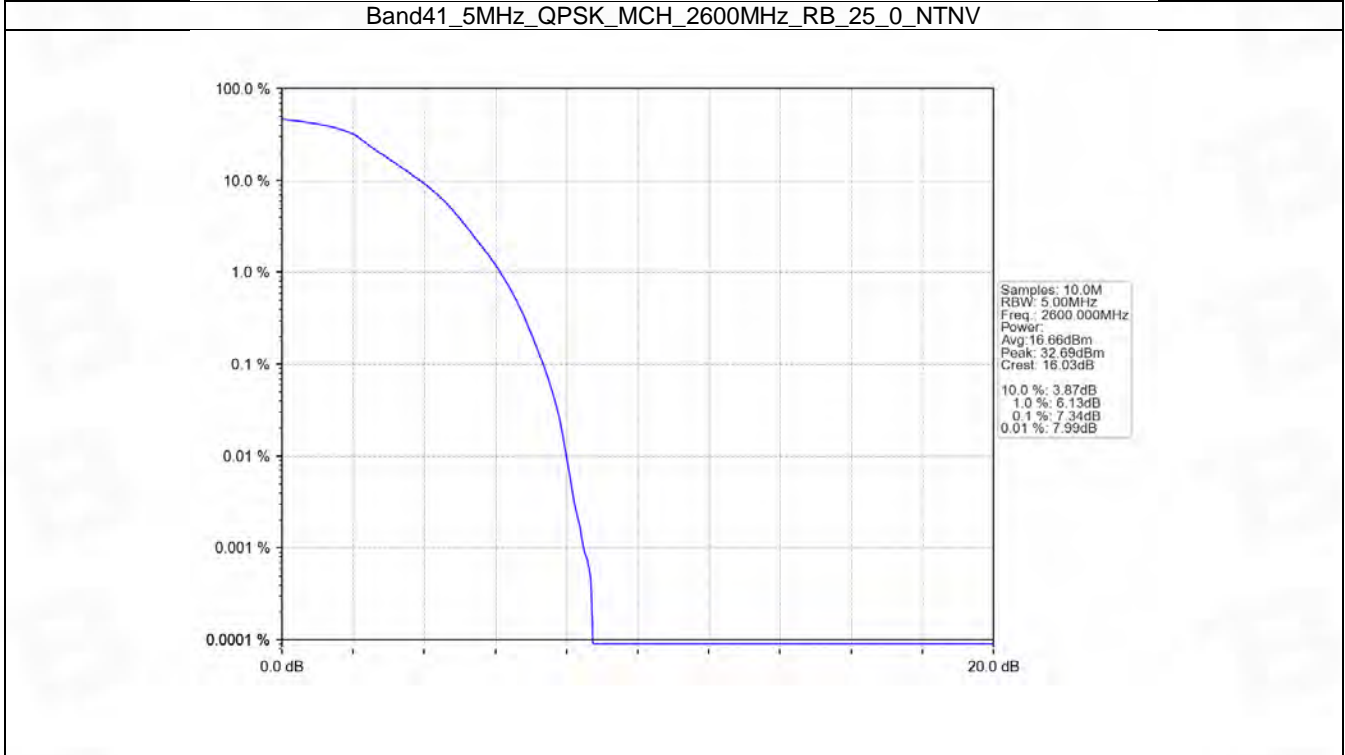
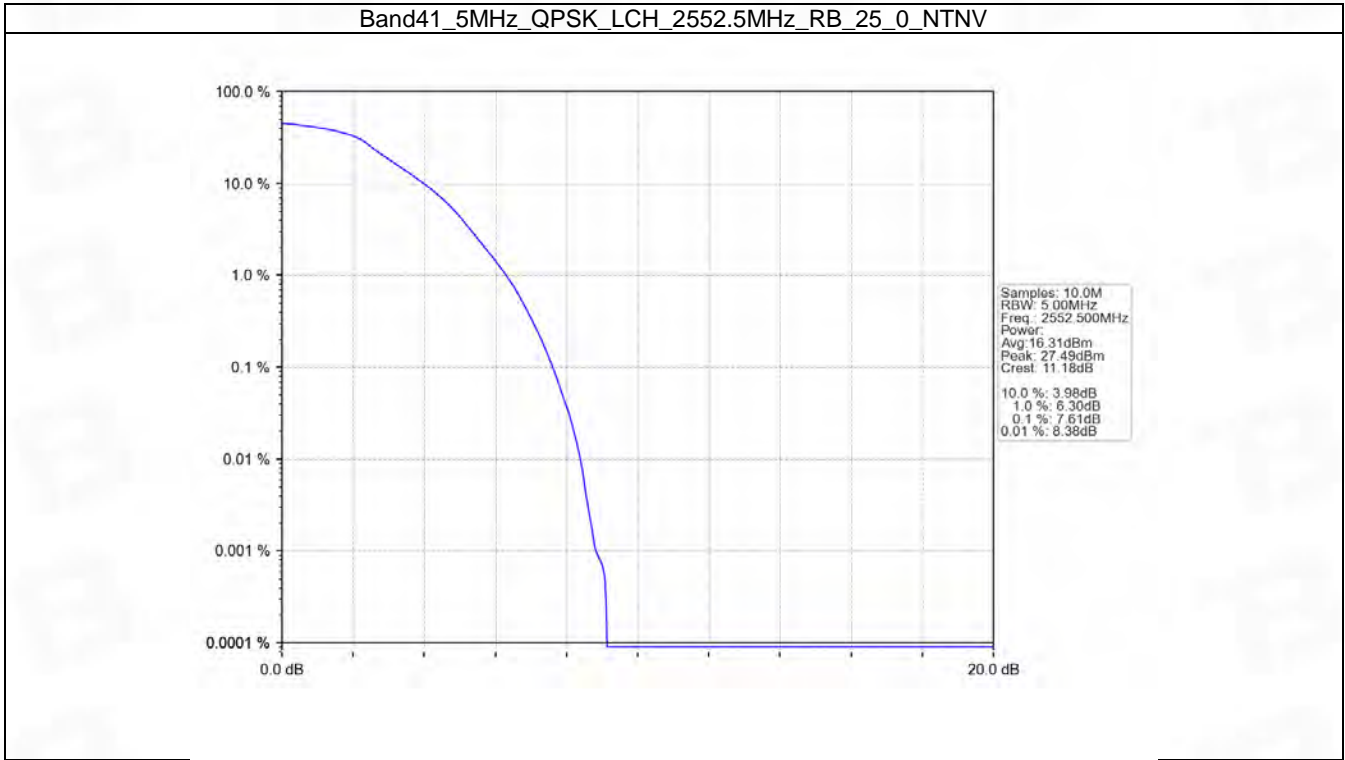
5. Peak-Average Ratio

5.1 B41_5MHz

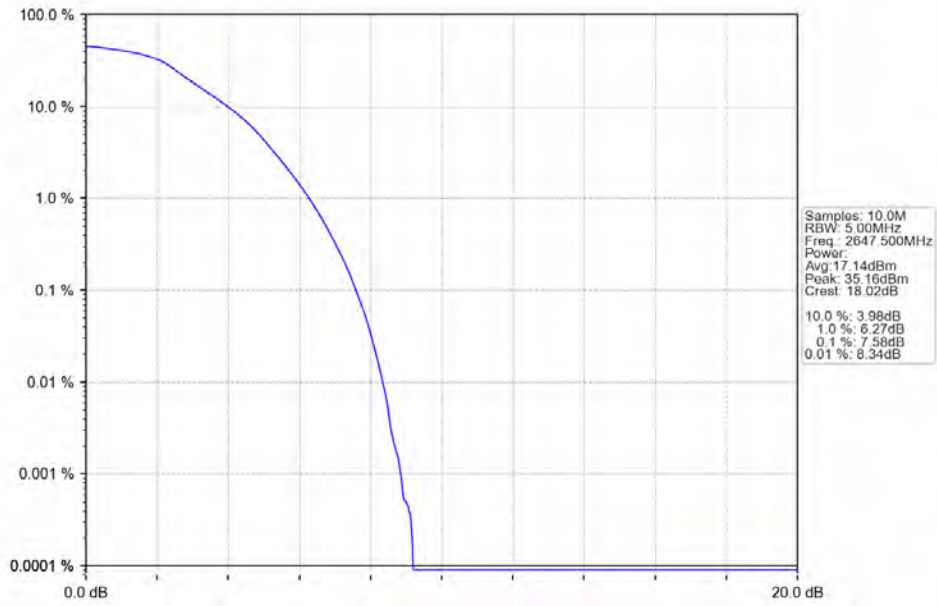
5.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2552.5	25	0	7.61	<=13	Pass
	2600	25	0	7.34	<=13	Pass
	2647.5	25	0	7.58	<=13	Pass
16QAM	2552.5	25	0	8.20	<=13	Pass
	2600	25	0	8.21	<=13	Pass
	2647.5	25	0	8.36	<=13	Pass

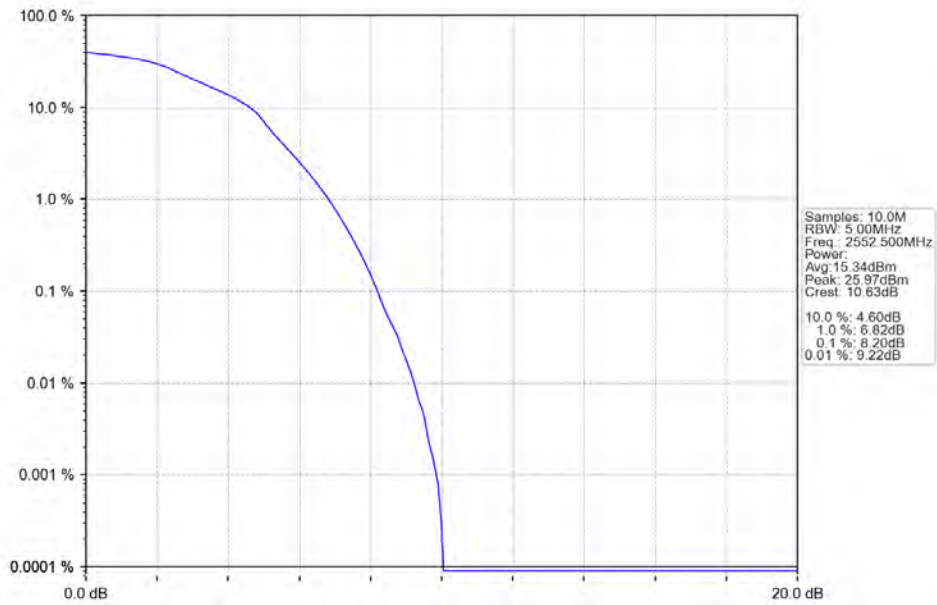
5.1.2 Test Graph



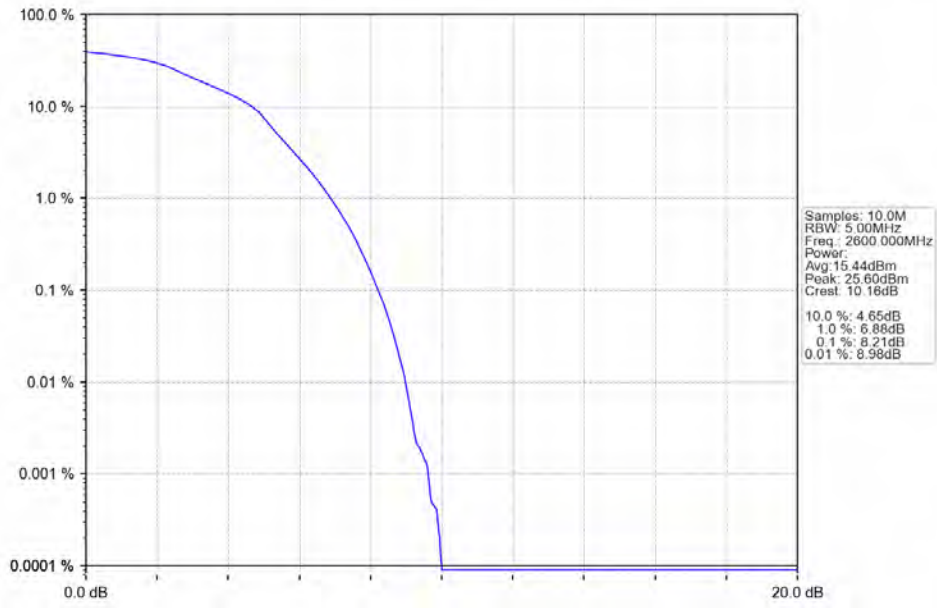
Band41_5MHz_QPSK_HCH_2647.5MHz_RB_25_0_NTNV



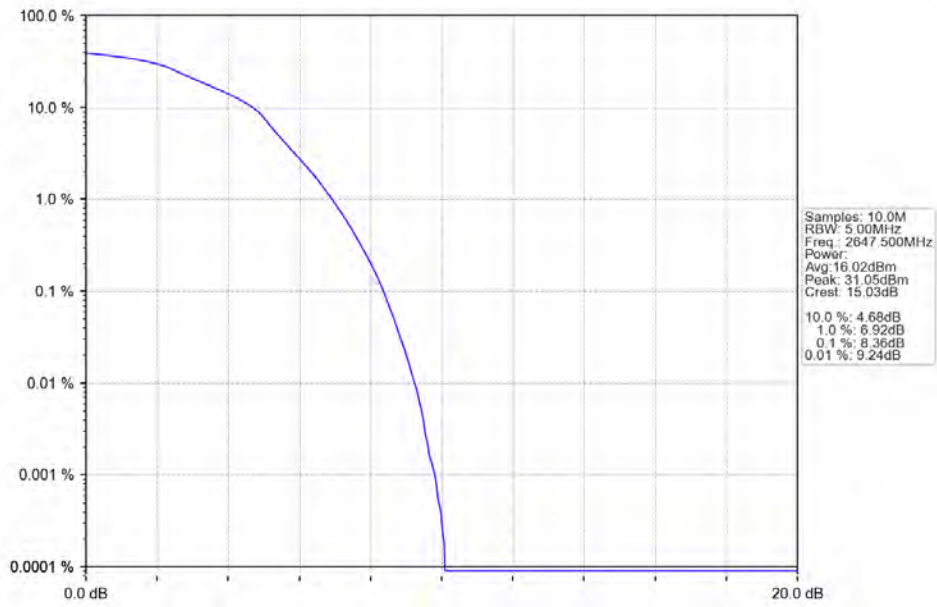
Band41_5MHz_16QAM_LCH_2552.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2600MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_HCH_2647.5MHz_RB_25_0_NTNV

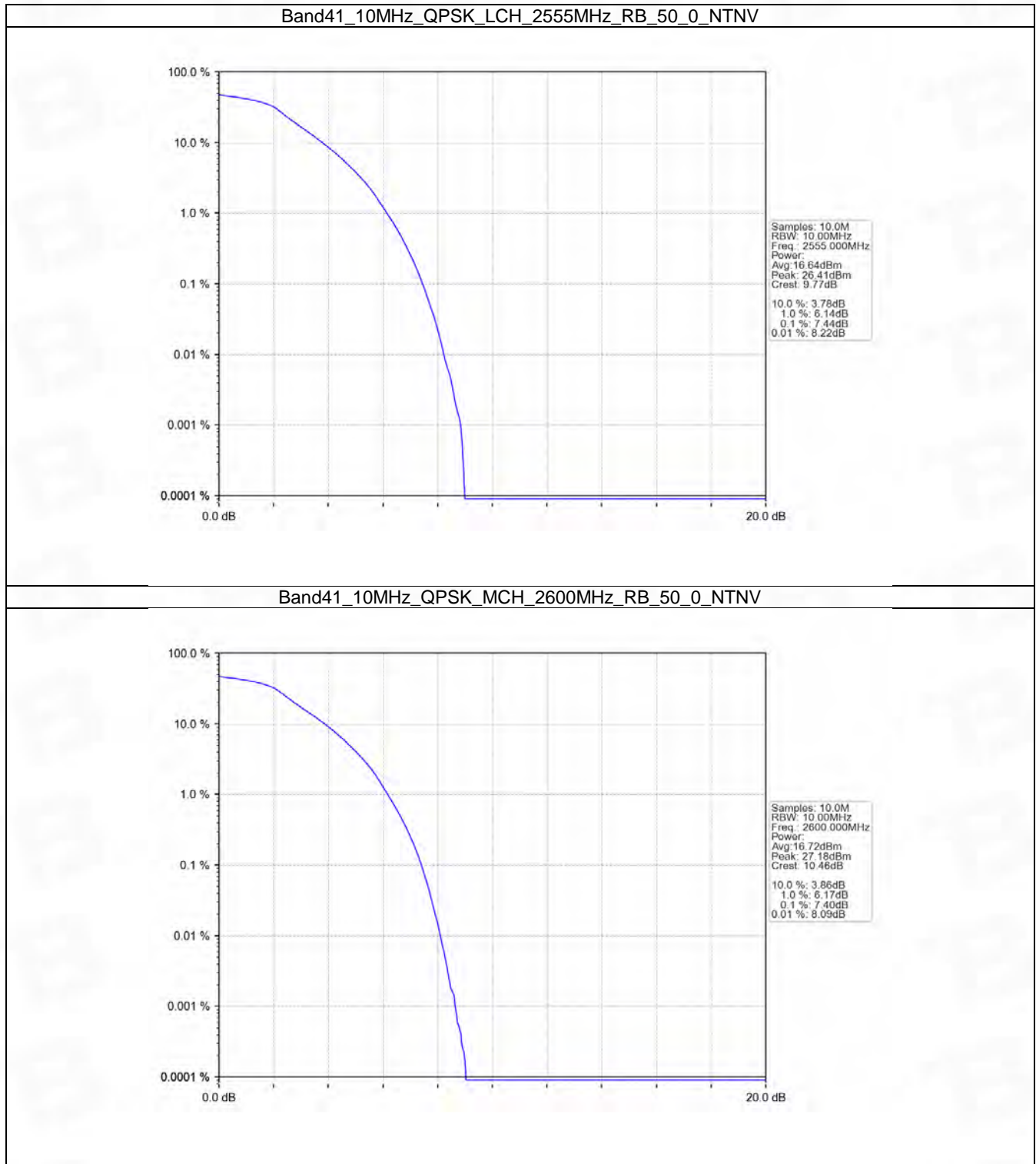


5.2 B41_10MHz

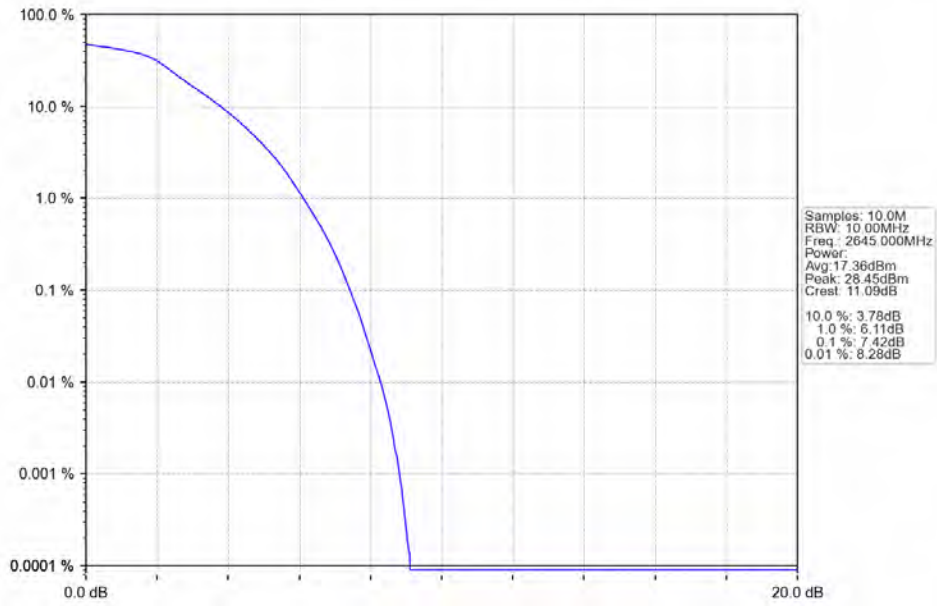
5.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2555	50	0	7.44	<=13	Pass
	2600	50	0	7.40	<=13	Pass
	2645	50	0	7.42	<=13	Pass
16QAM	2555	50	0	7.88	<=13	Pass
	2600	50	0	8.35	<=13	Pass
	2645	50	0	7.95	<=13	Pass

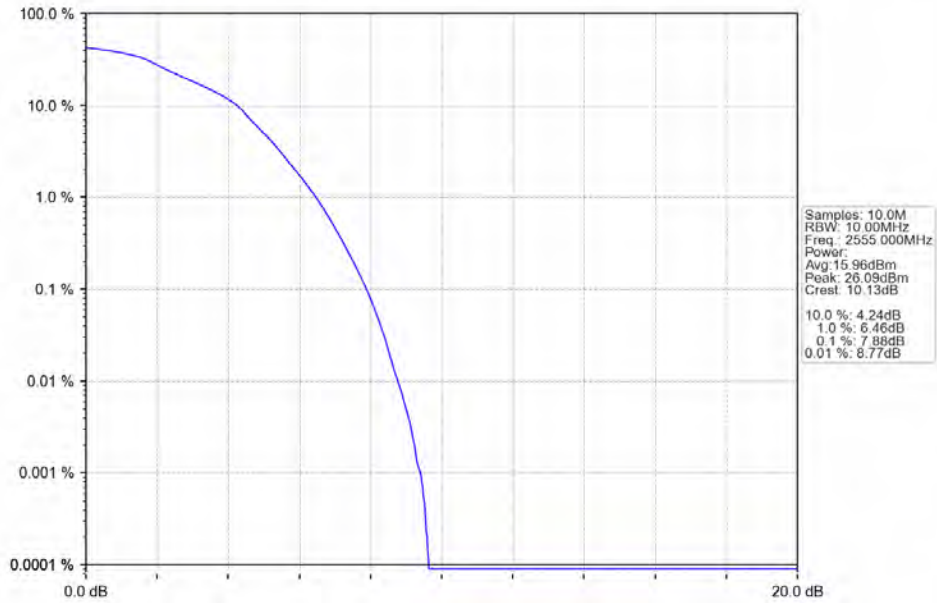
5.2.2 Test Graph



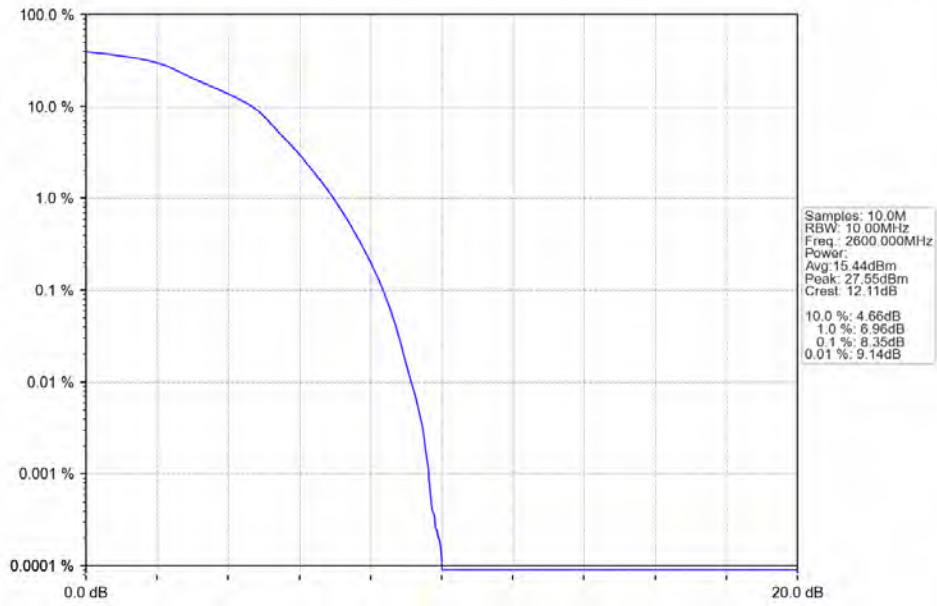
Band41_10MHz_QPSK_HCH_2645MHz_RB_50_0_NTNV



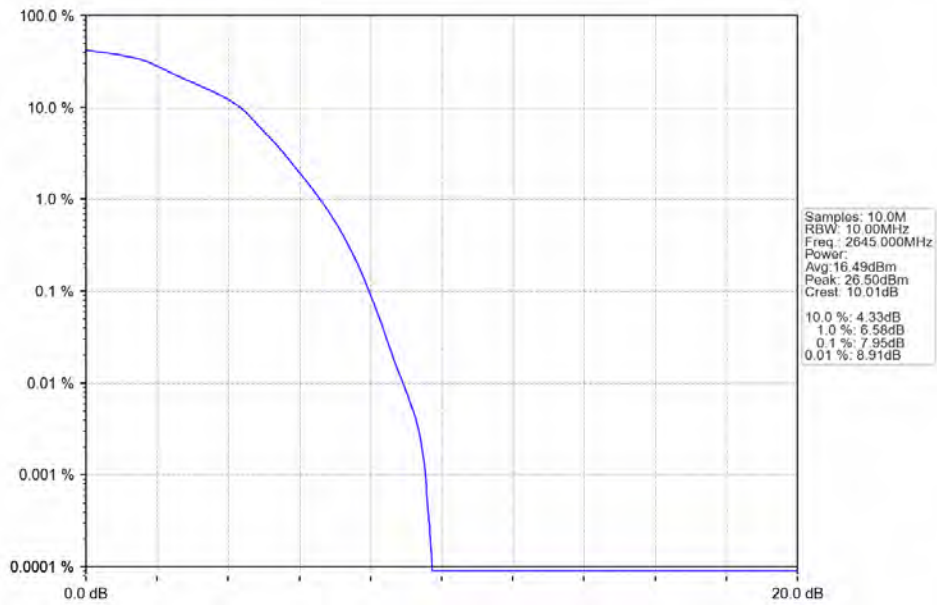
Band41_10MHz_16QAM_LCH_2555MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2600MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_HCH_2645MHz_RB_50_0_NTNV

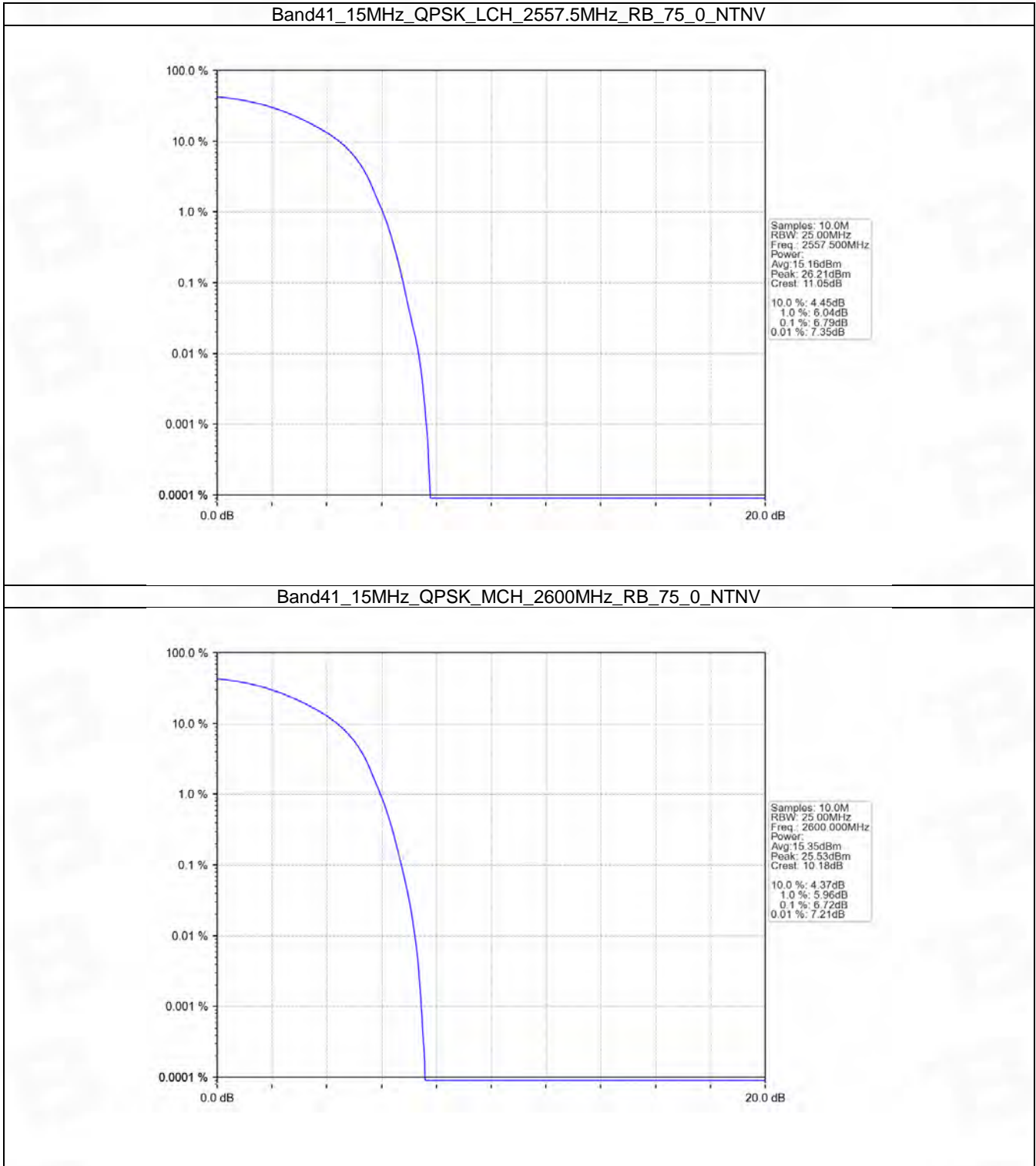


5.3 B41_15MHz

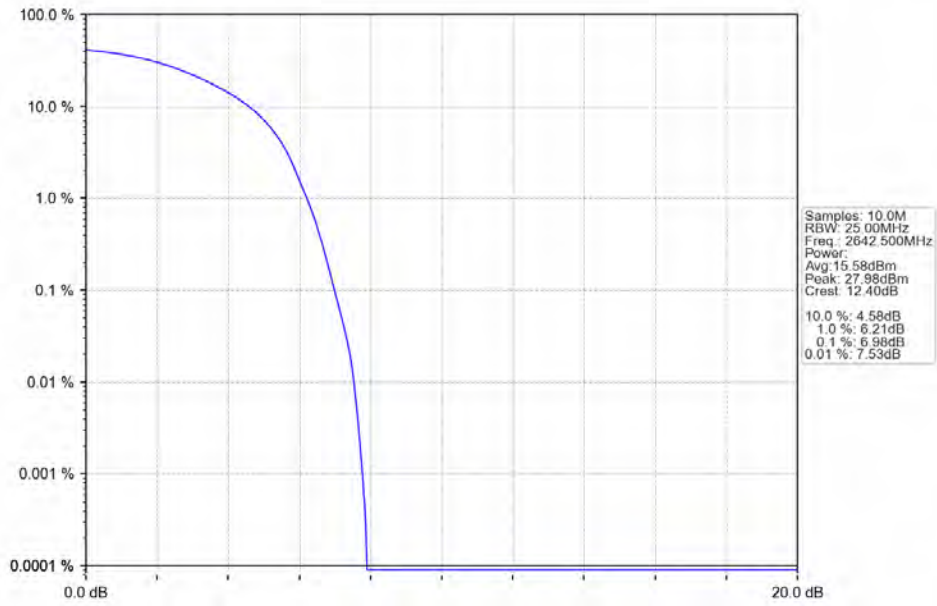
5.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2557.5	75	0	6.79	<=13	Pass
	2600	75	0	6.72	<=13	Pass
	2642.5	75	0	6.98	<=13	Pass
16QAM	2557.5	75	0	8.49	<=13	Pass
	2600	75	0	8.56	<=13	Pass
	2642.5	75	0	8.26	<=13	Pass

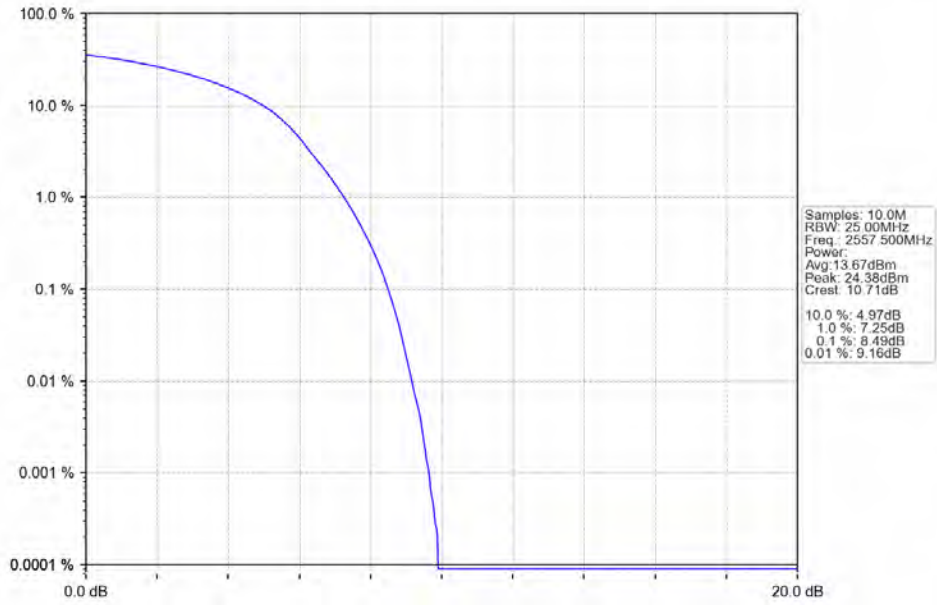
5.3.2 Test Graph



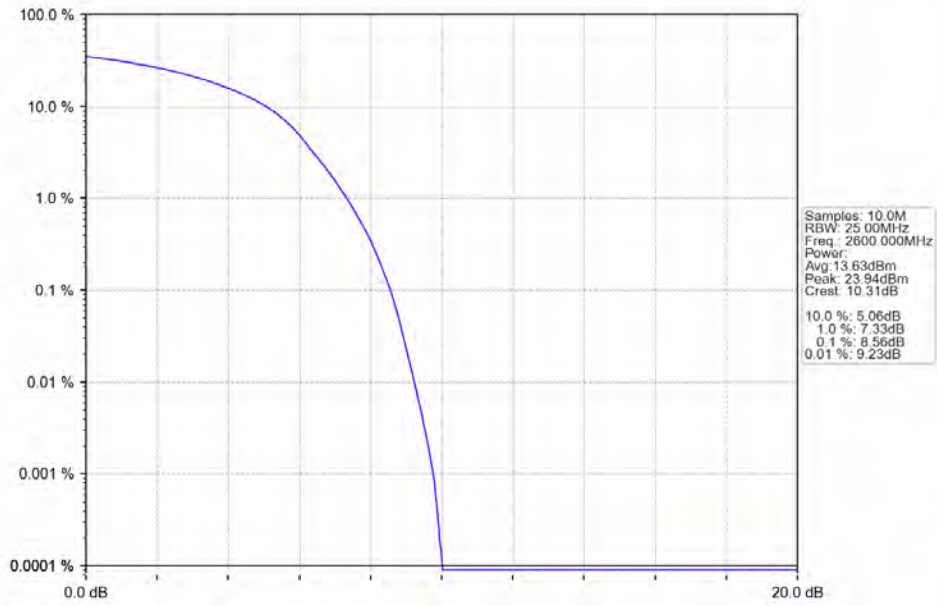
Band41_15MHz_QPSK_HCH_2642.5MHz_RB_75_0_NTNV



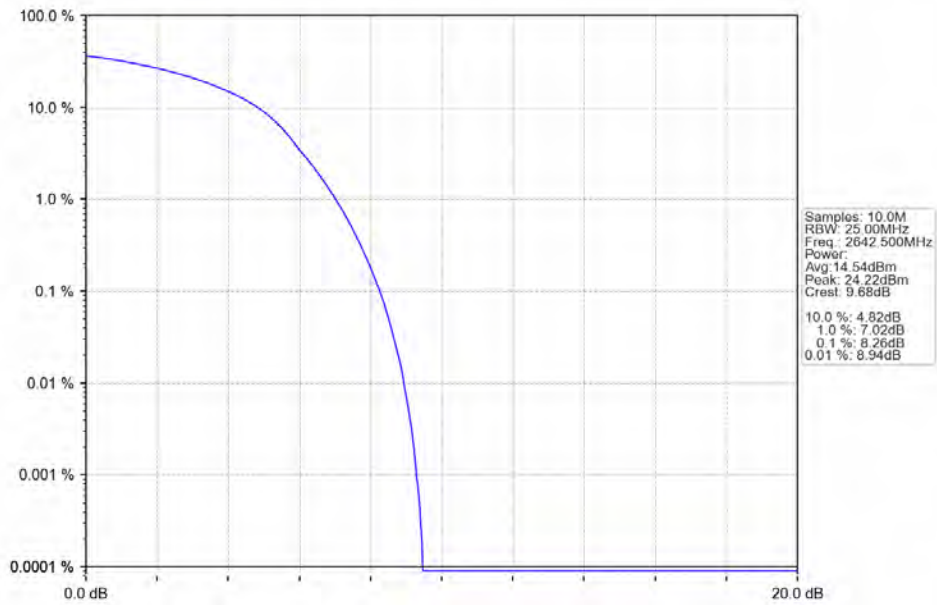
Band41_15MHz_16QAM_LCH_2557.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2600MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_HCH_2642.5MHz_RB_75_0_NTNV

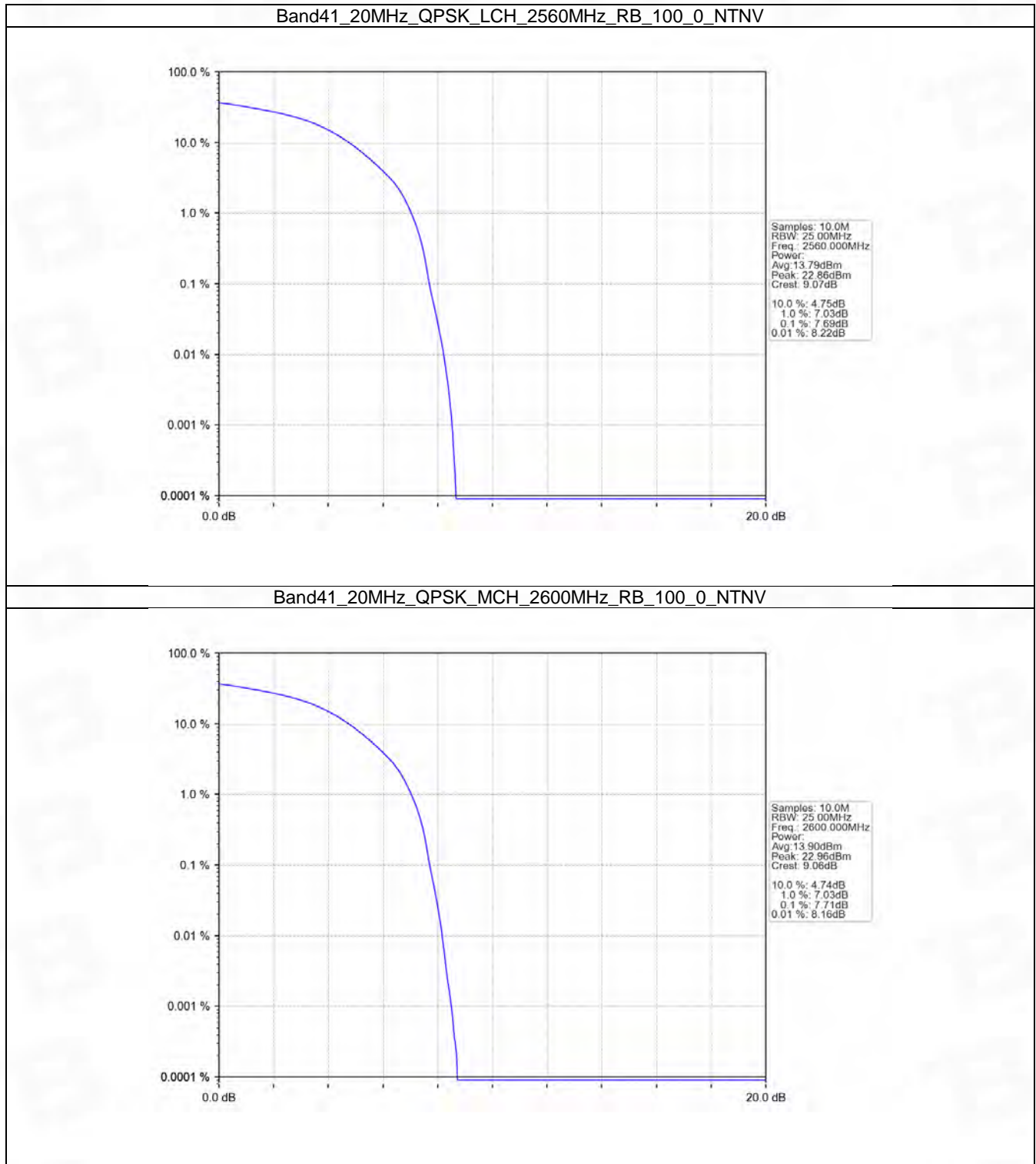


5.4 B41_20MHz

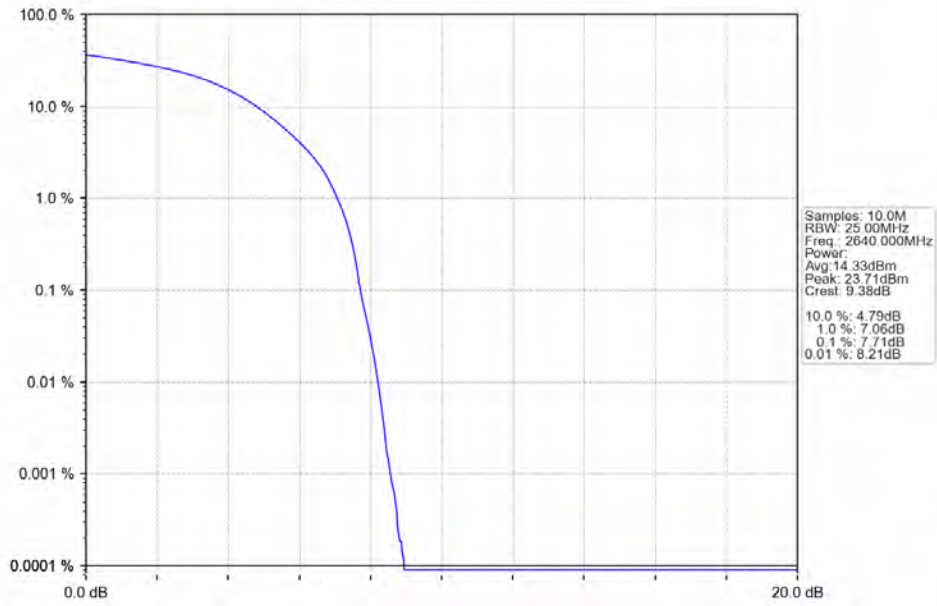
5.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2560	100	0	7.69	<=13	Pass
	2600	100	0	7.71	<=13	Pass
	2640	100	0	7.71	<=13	Pass
16QAM	2560	100	0	8.87	<=13	Pass
	2600	100	0	8.70	<=13	Pass
	2640	100	0	8.86	<=13	Pass

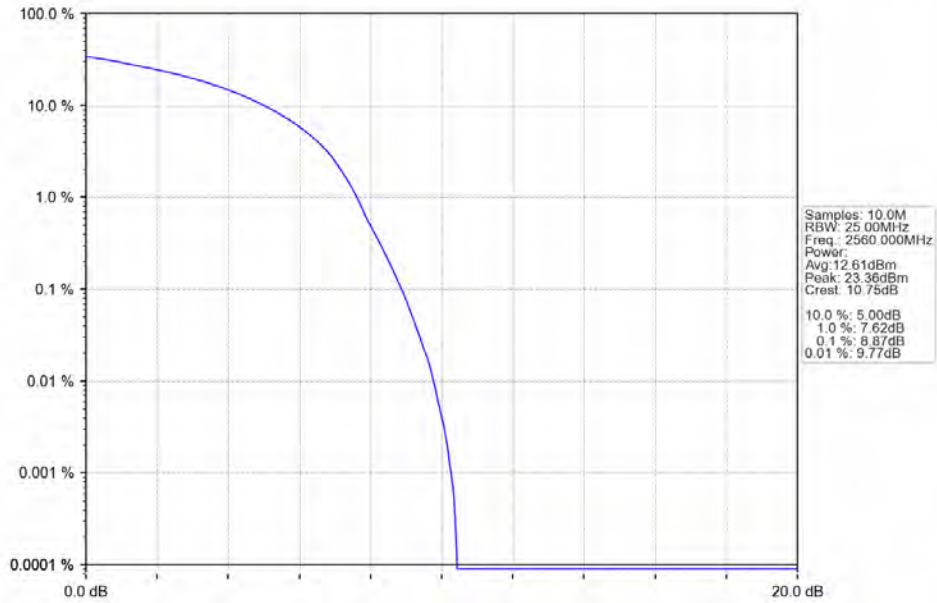
5.4.2 Test Graph



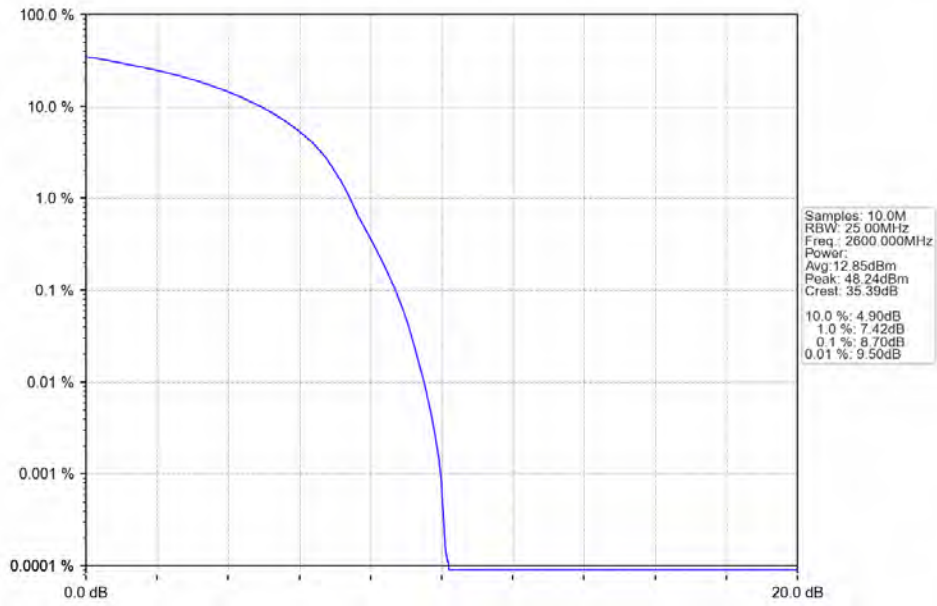
Band41_20MHz_QPSK_HCH_2640MHz_RB_100_0_NTNV



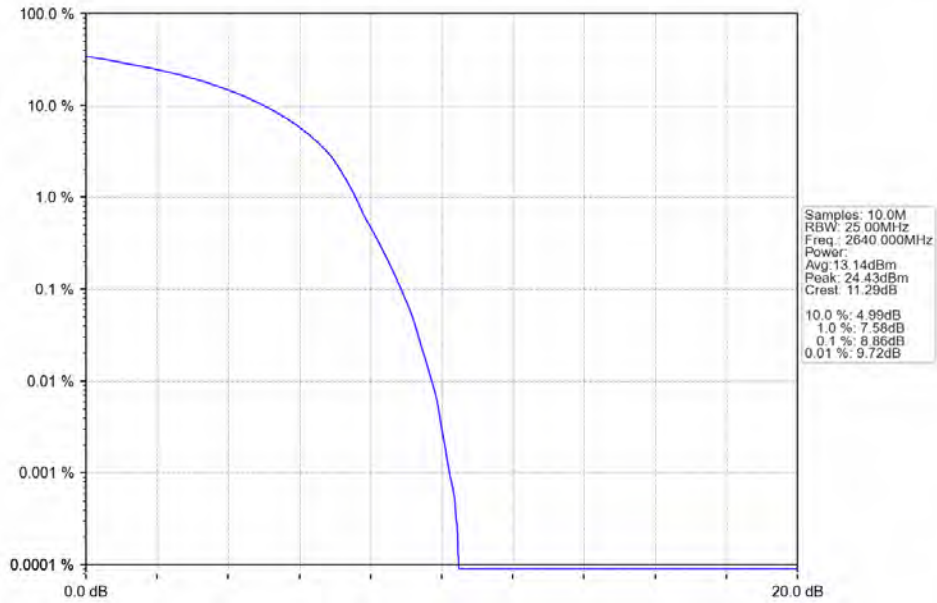
Band41_20MHz_16QAM_LCH_2560MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2600MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2640MHz_RB_100_0_NTNV



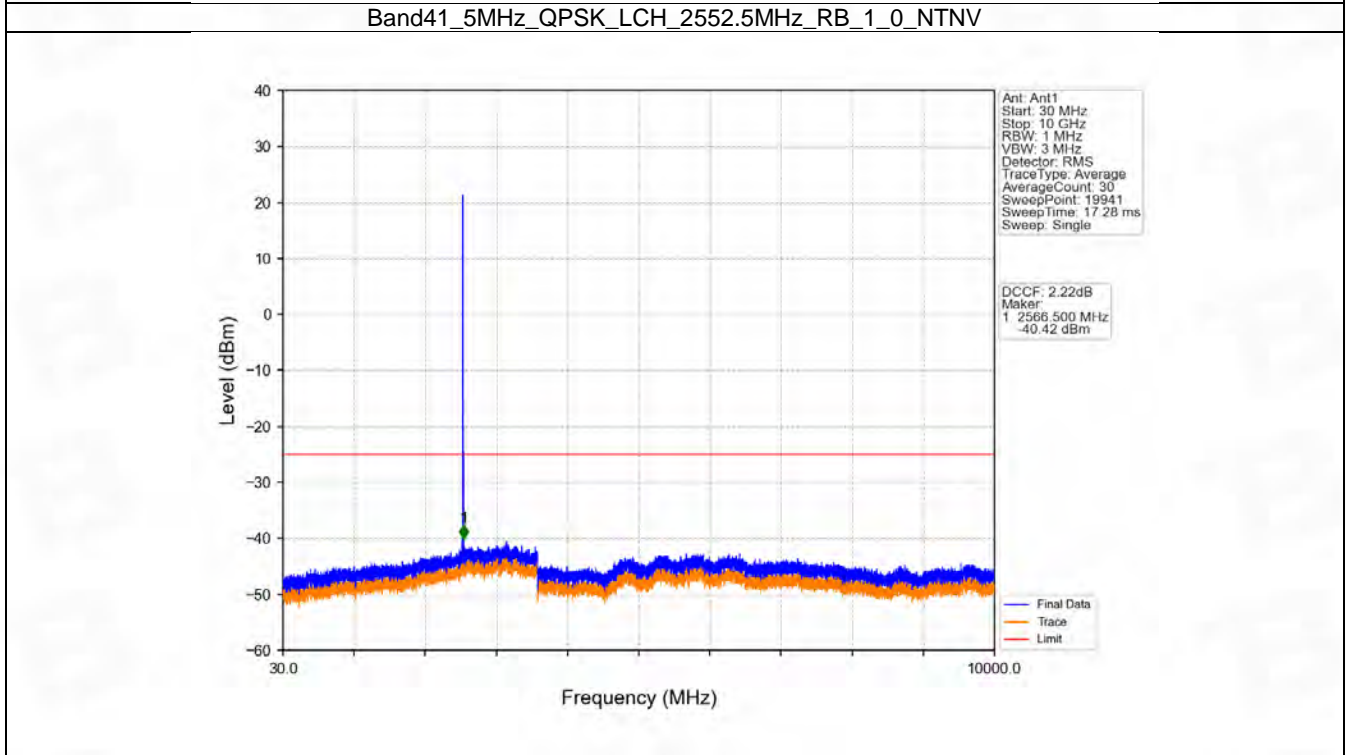
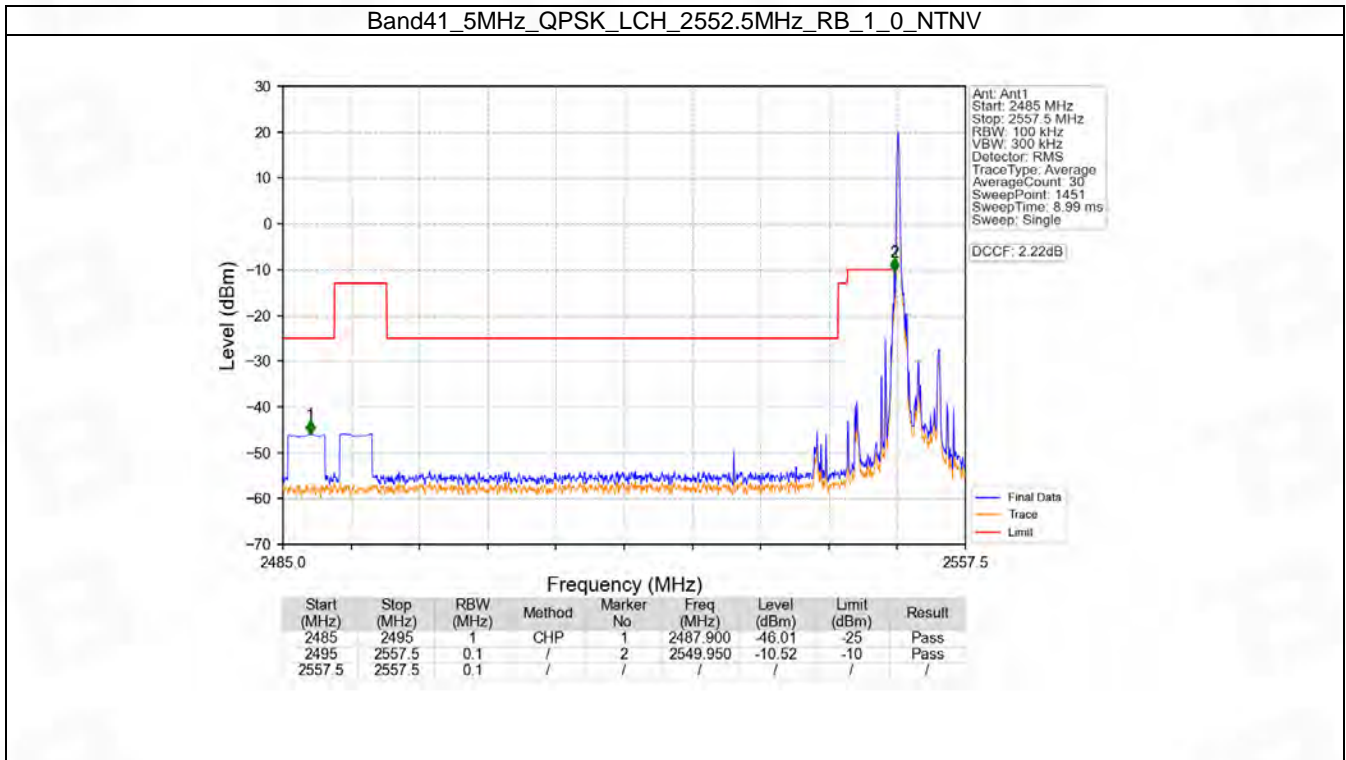
6. Spurious Emission

6.1 B41_5MHz

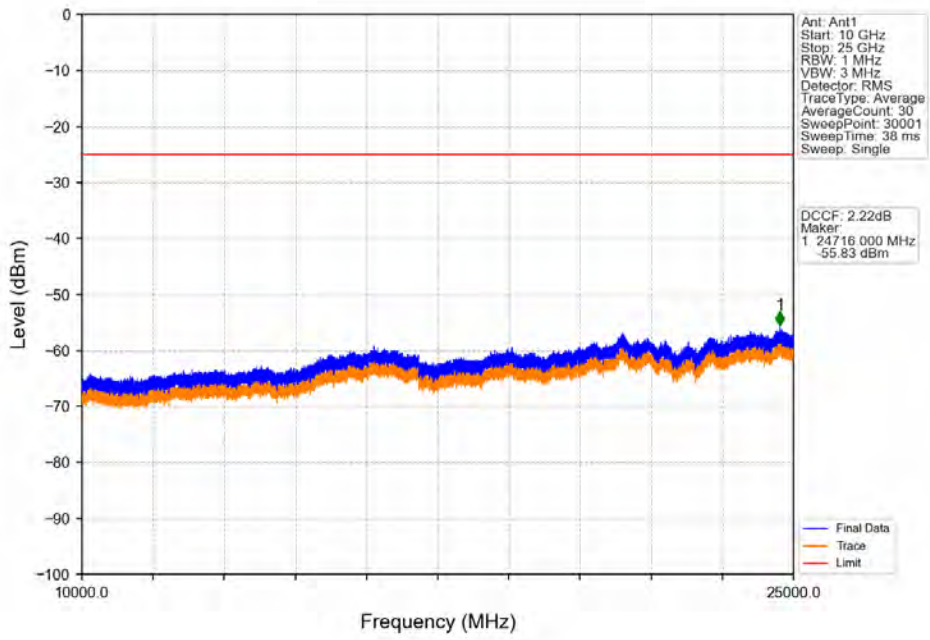
6.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	2552.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	2647.5	2600	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass	
			24	Refer To Test Graph		Pass	
			0	Refer To Test Graph		Pass	
16QAM	2552.5	1	0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	
	2600	1	0	Refer To Test Graph		Pass	
	2647.5	1	0	Refer To Test Graph		Pass	
			24	Refer To Test Graph		Pass	
			0	Refer To Test Graph		Pass	
		25	0	Refer To Test Graph		Pass	

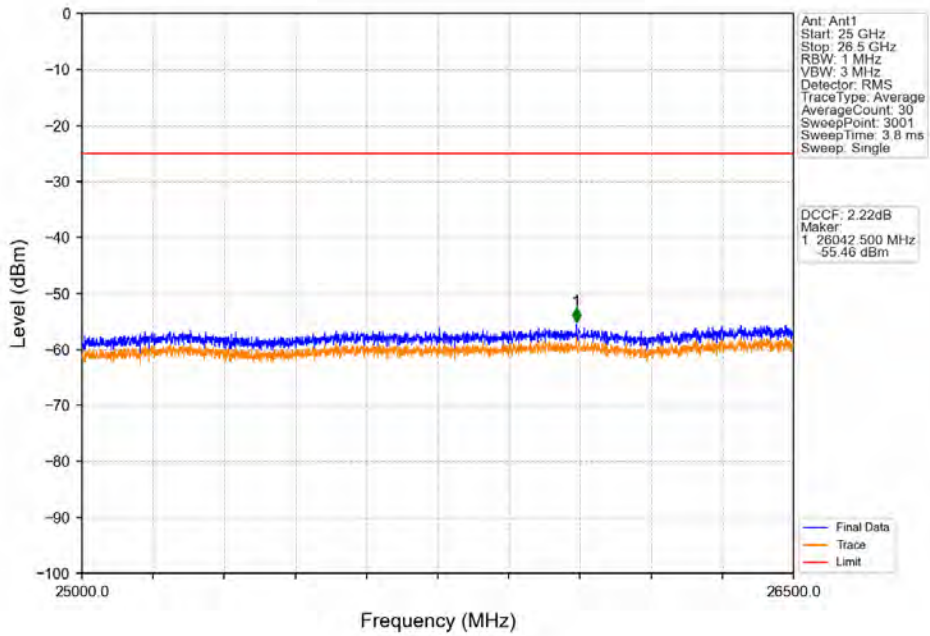
6.1.2 Test Graph



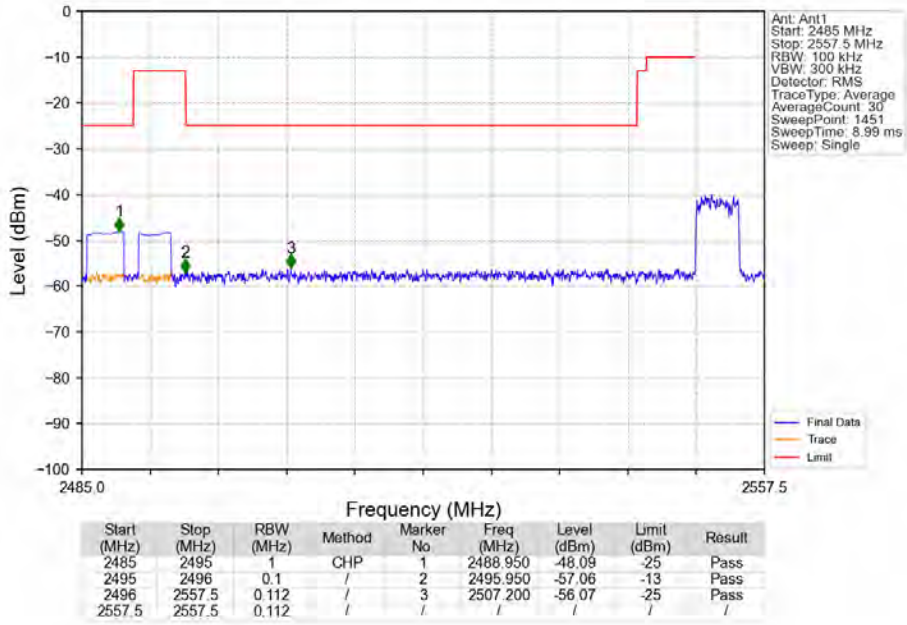
Band41_5MHz_QPSK_LCH_2552.5MHz_RB_1_0_NTNV



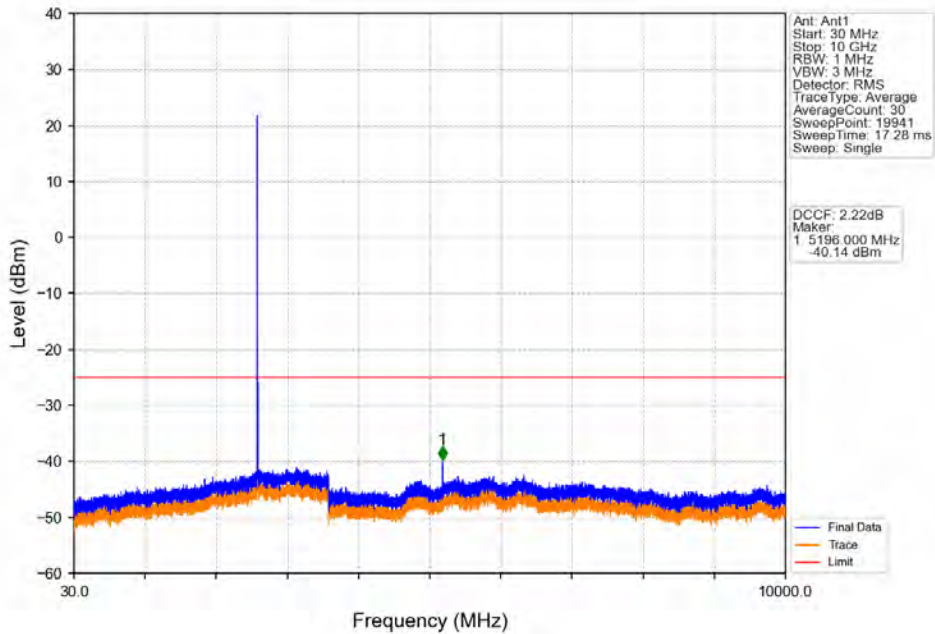
Band41_5MHz_QPSK_LCH_2552.5MHz_RB_1_0_NTNV



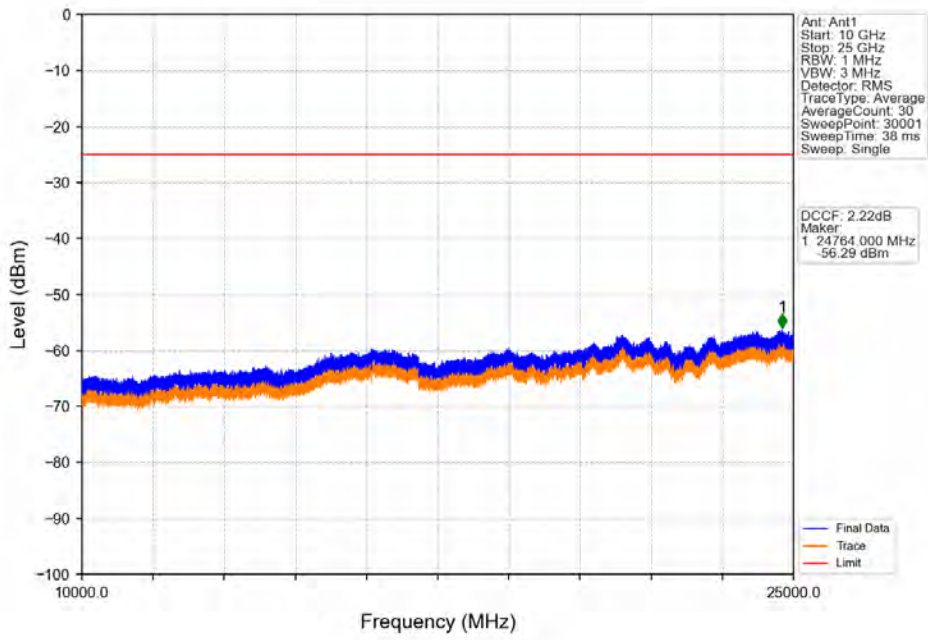
Band41_5MHz_QPSK_LCH_2552.5MHz_RB_25_0_NTNV



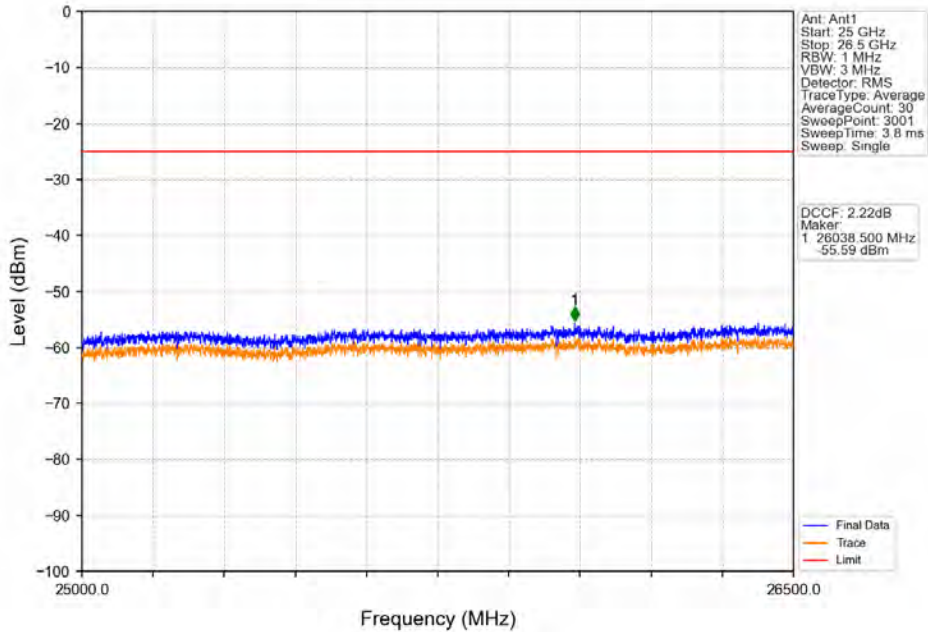
Band41_5MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



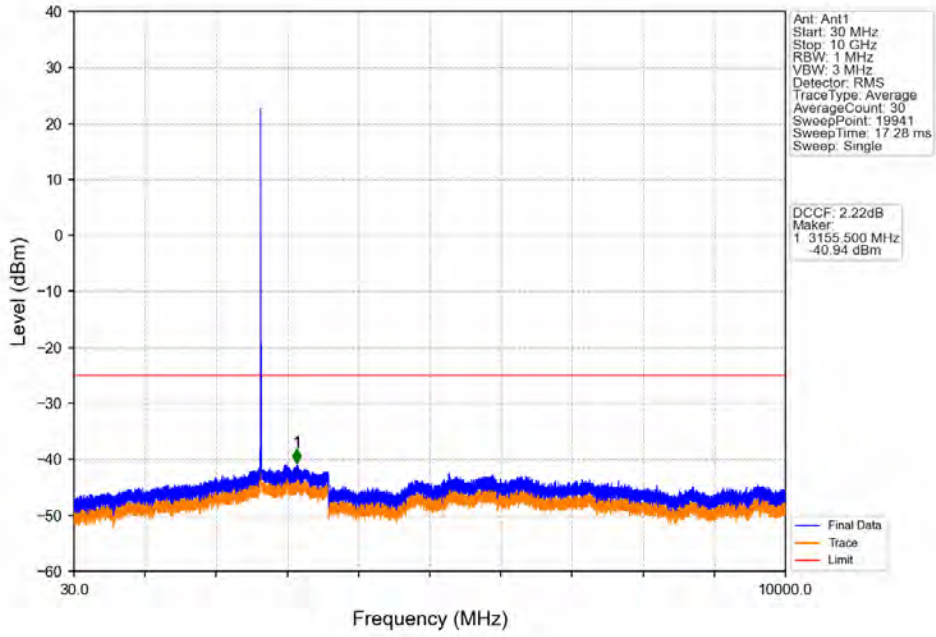
Band41_5MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



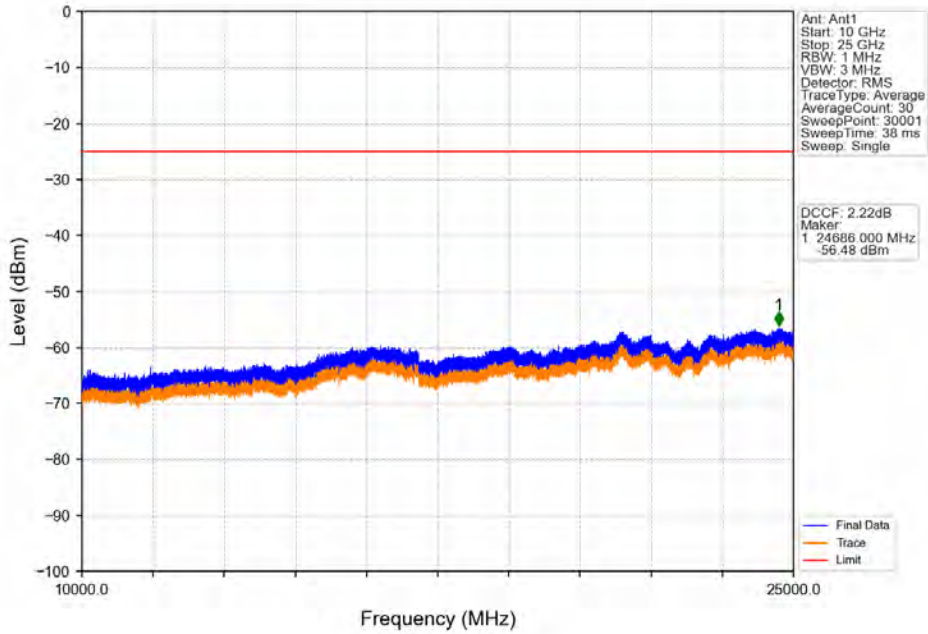
Band41_5MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



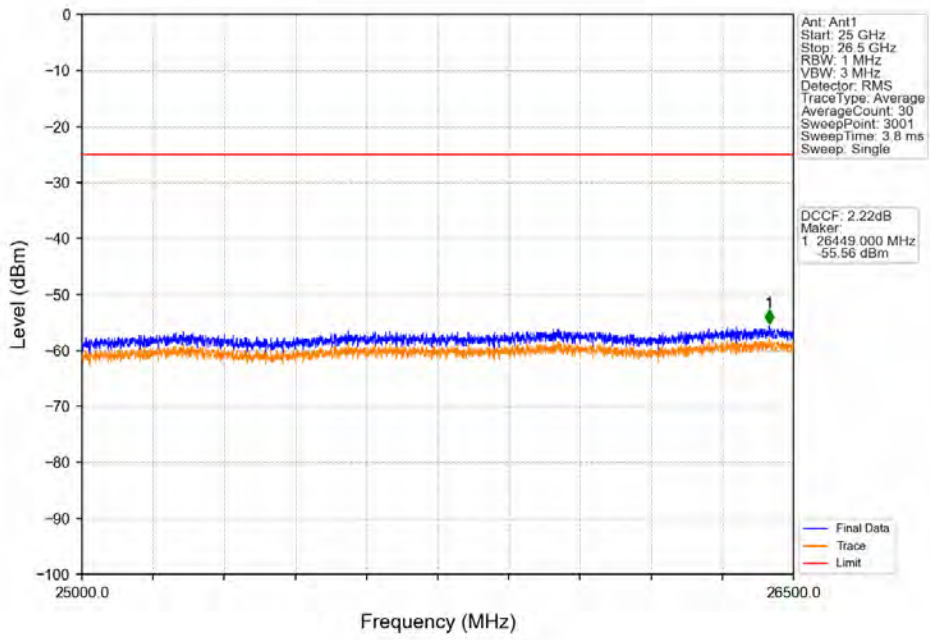
Band41_5MHz_QPSK_HCH_2647.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2647.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2647.5MHz_RB_1_0_NTNV

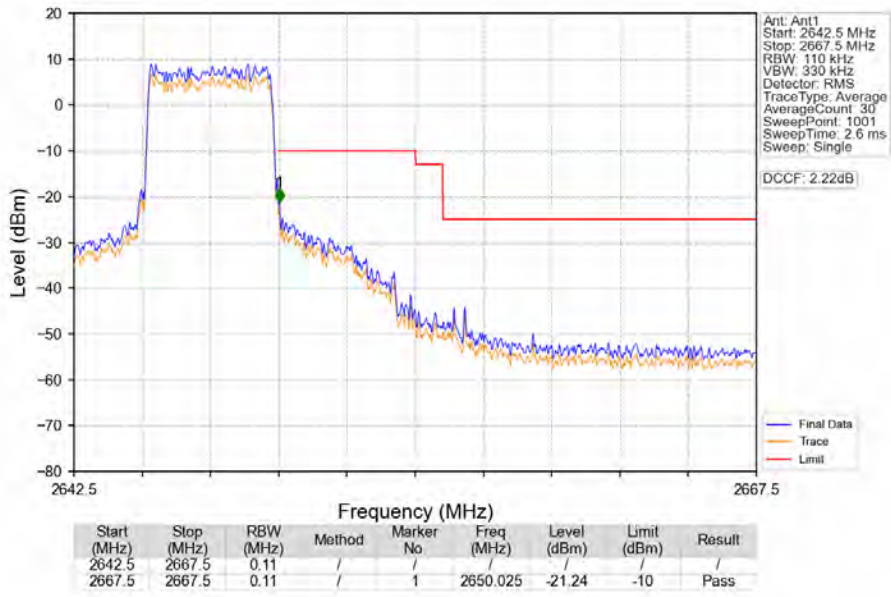


Band41_5MHz_QPSK_HCH_2647.5MHz_RB_1_24_NTNV

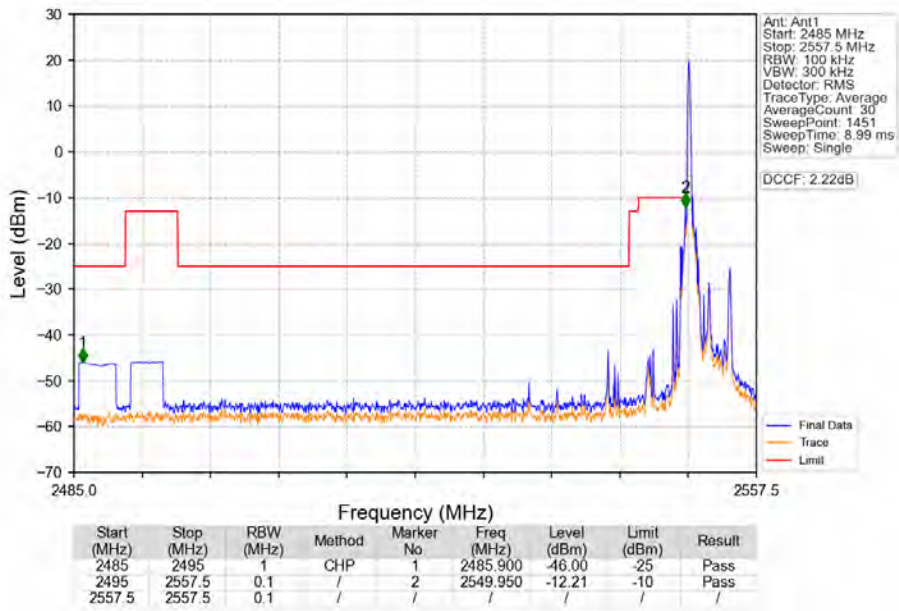


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2642.5	2667.5	0.1	/	/	/	/	/	/
2667.5	2667.5	0.1	/	1	2650.100	-10.37	-10	Pass

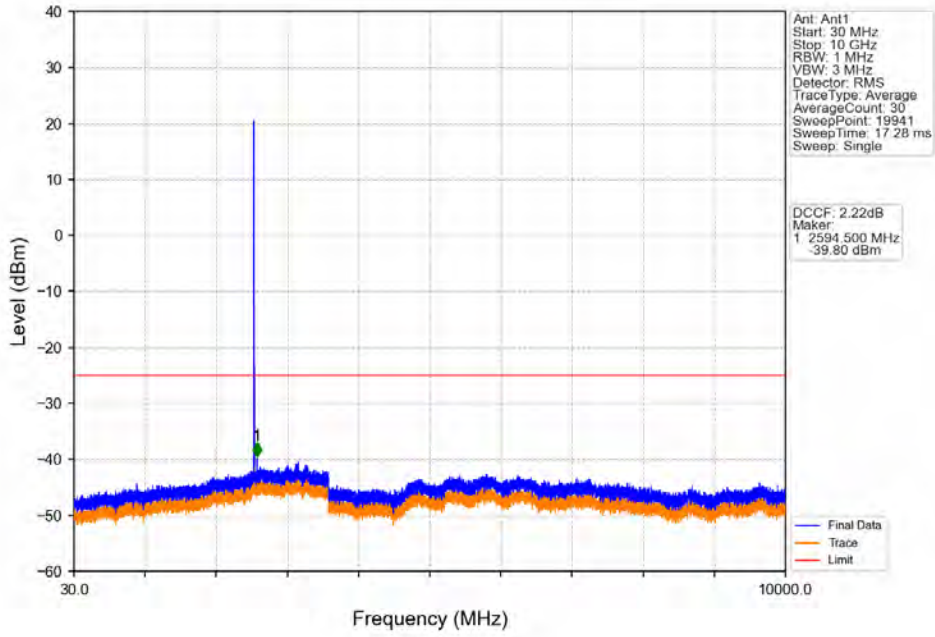
Band41_5MHz_QPSK_HCH_2647.5MHz_RB_25_0_NTNV



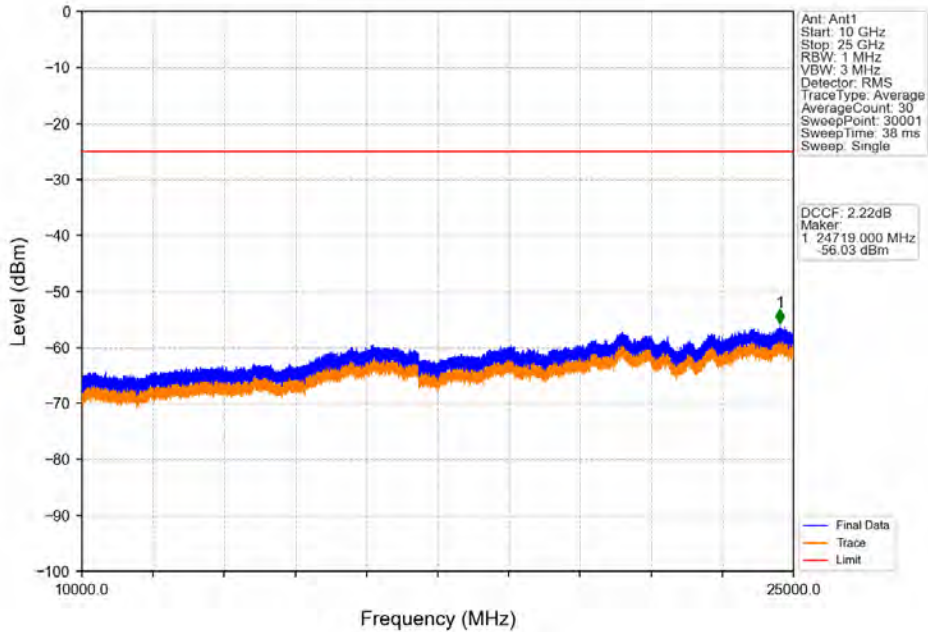
Band41_5MHz_16QAM_LCH_2552.5MHz_RB_1_0_NTNV



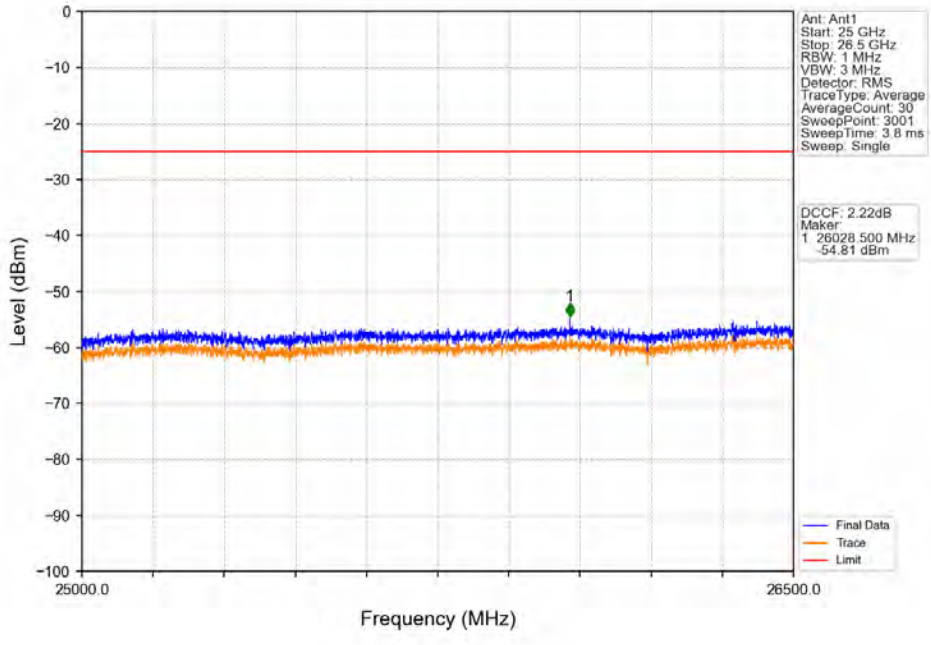
Band41_5MHz_16QAM_LCH_2552.5MHz_RB_1_0_NTNV



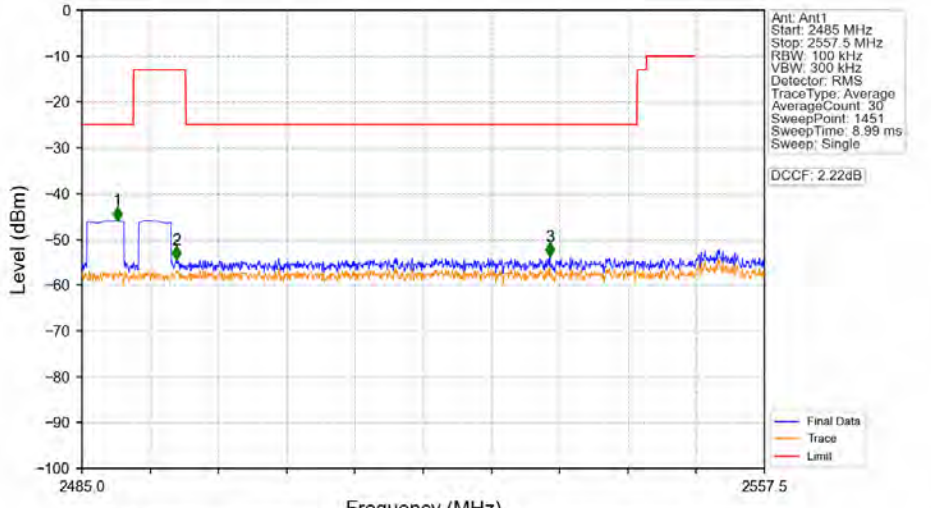
Band41_5MHz_16QAM_LCH_2552.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_LCH_2552.5MHz_RB_1_0_NTNV

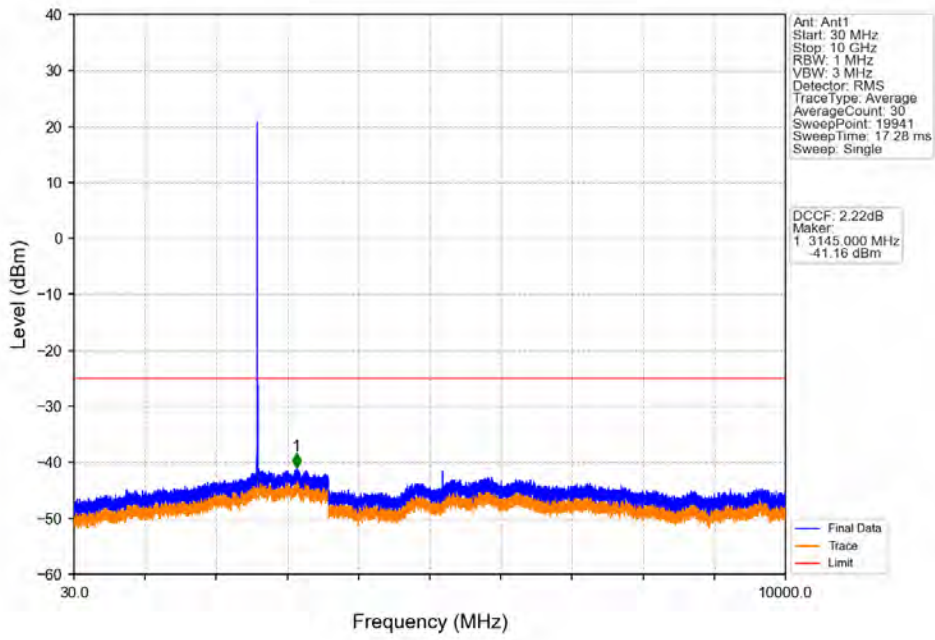


Band41_5MHz_16QAM_LCH_2552.5MHz_RB_25_0_NTNV

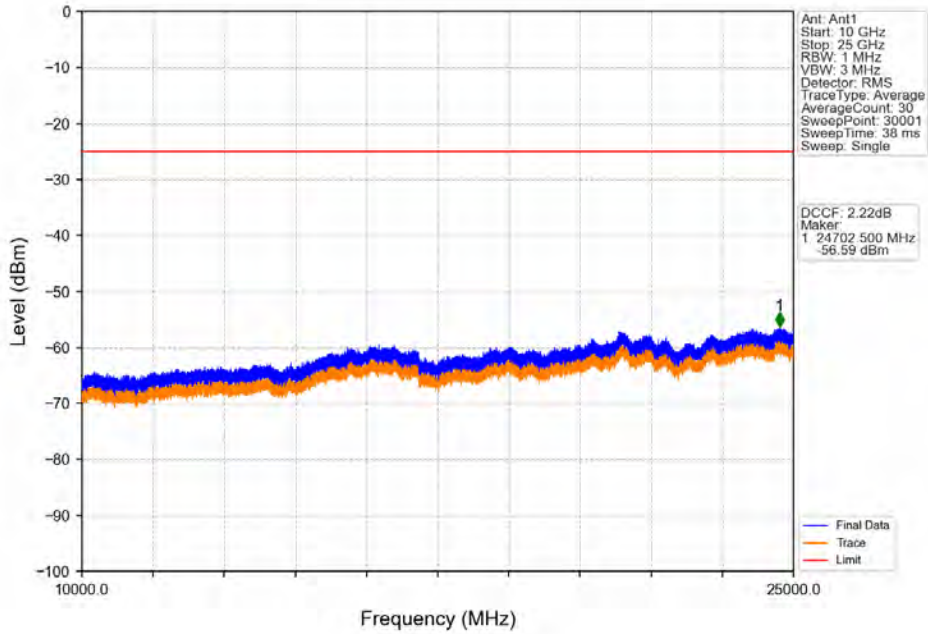


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2488.750	-45.94	-25	Pass
2495	2496	0.1	/	2	2495.050	-54.56	-13	Pass
2496	2557.5	0.107	/	3	2534.700	-53.85	-25	Pass
2557.5	2557.5	0.107	/	/	/	/	/	/

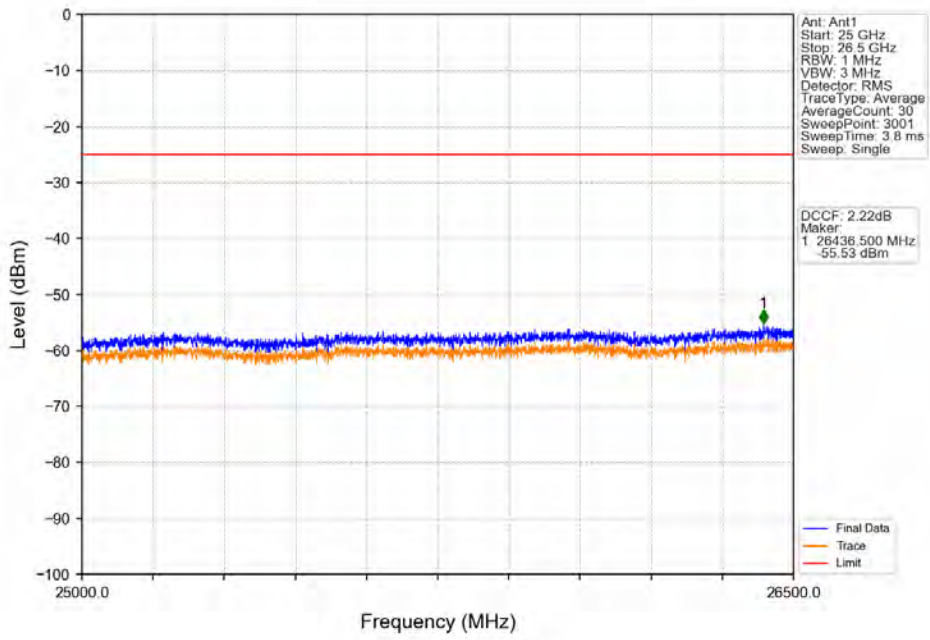
Band41_5MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



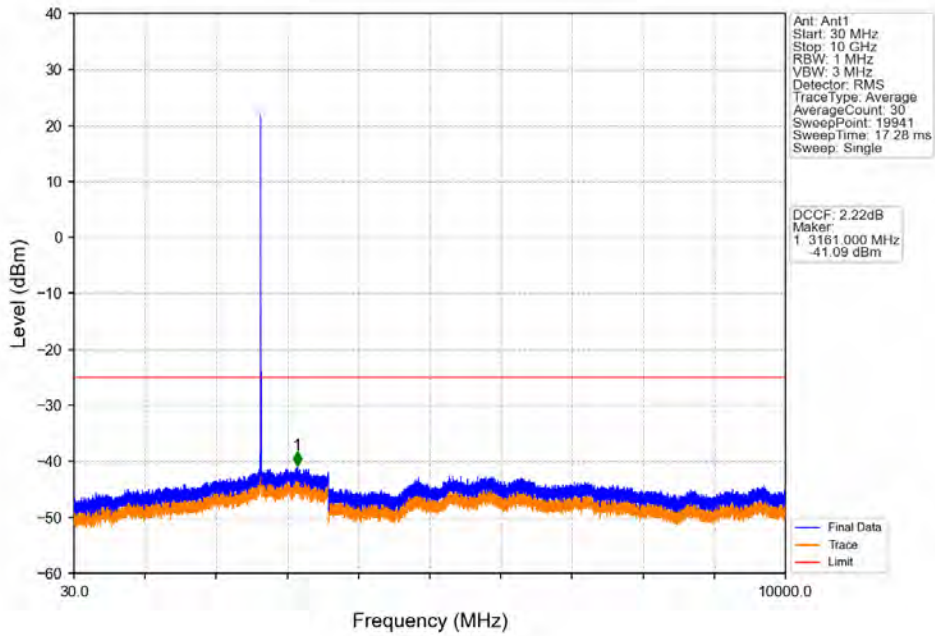
Band41_5MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



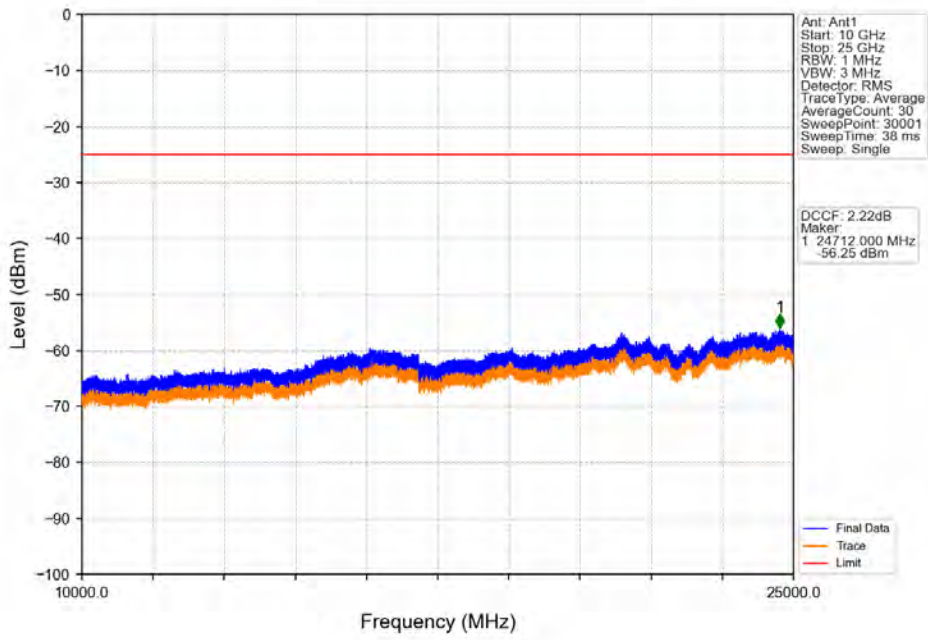
Band41_5MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



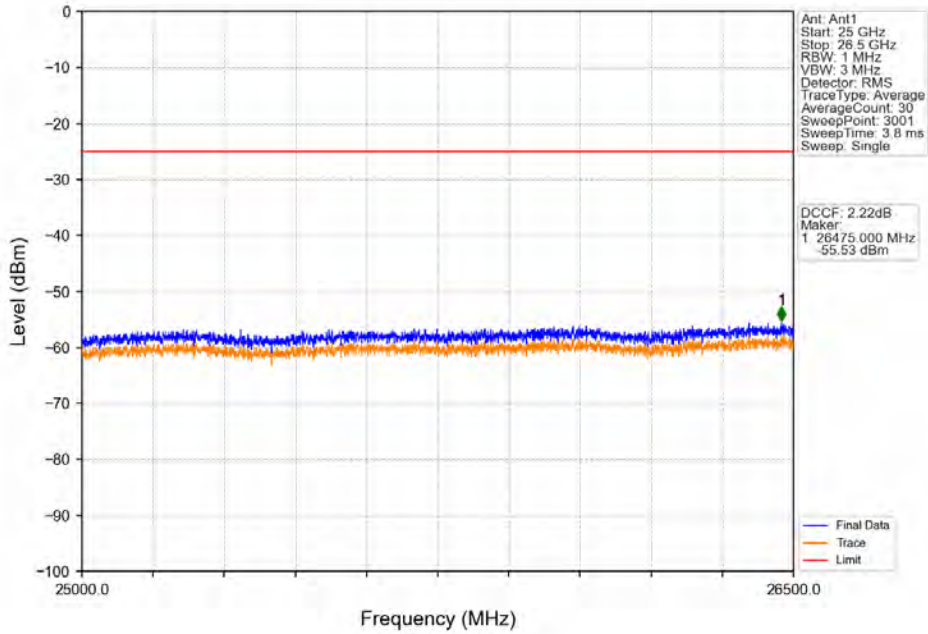
Band41_5MHz_16QAM_HCH_2647.5MHz_RB_1_0_NTNV



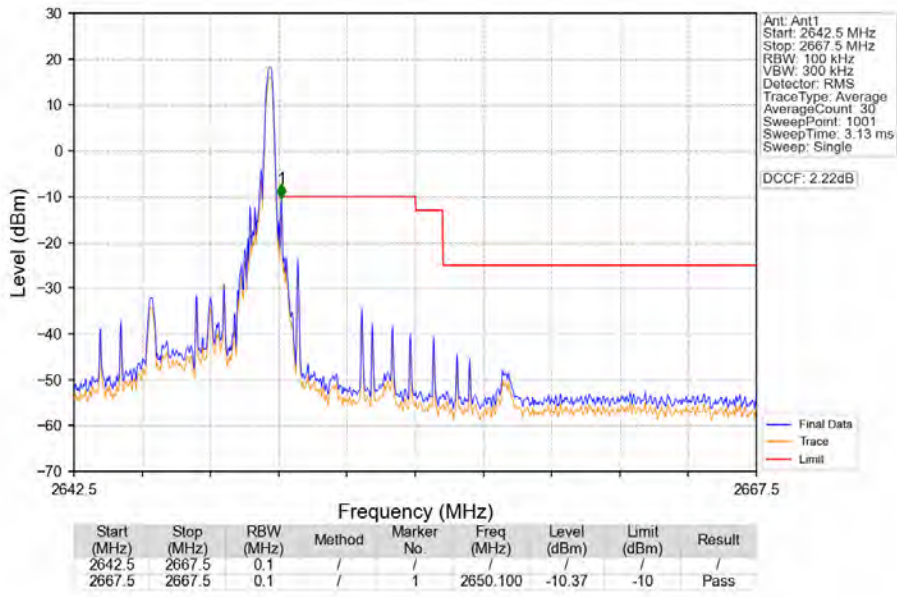
Band41_5MHz_16QAM_HCH_2647.5MHz_RB_1_0_NTNV



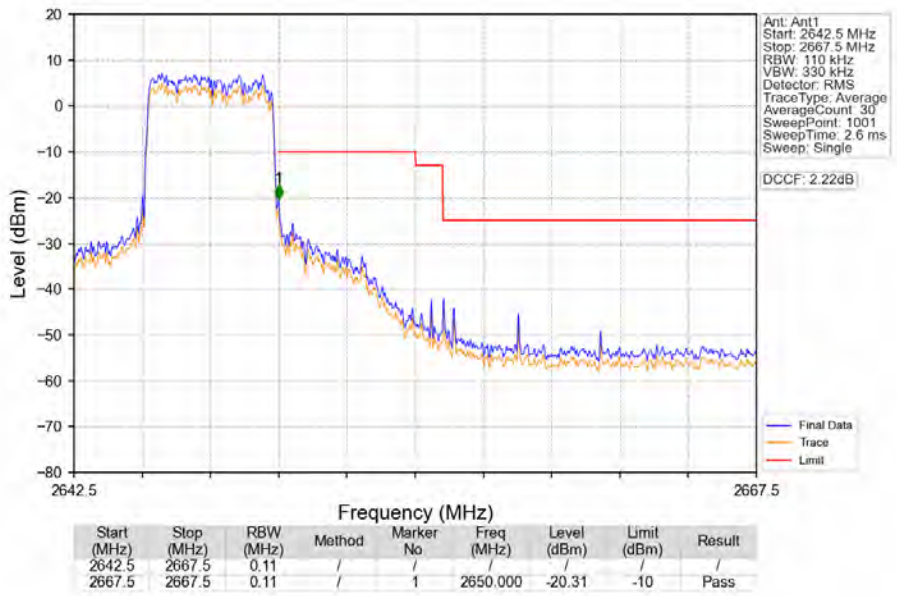
Band41_5MHz_16QAM_HCH_2647.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_HCH_2647.5MHz_RB_1_24_NTNV



Band41_5MHz_16QAM_HCH_2647.5MHz_RB_25_0_NTNV

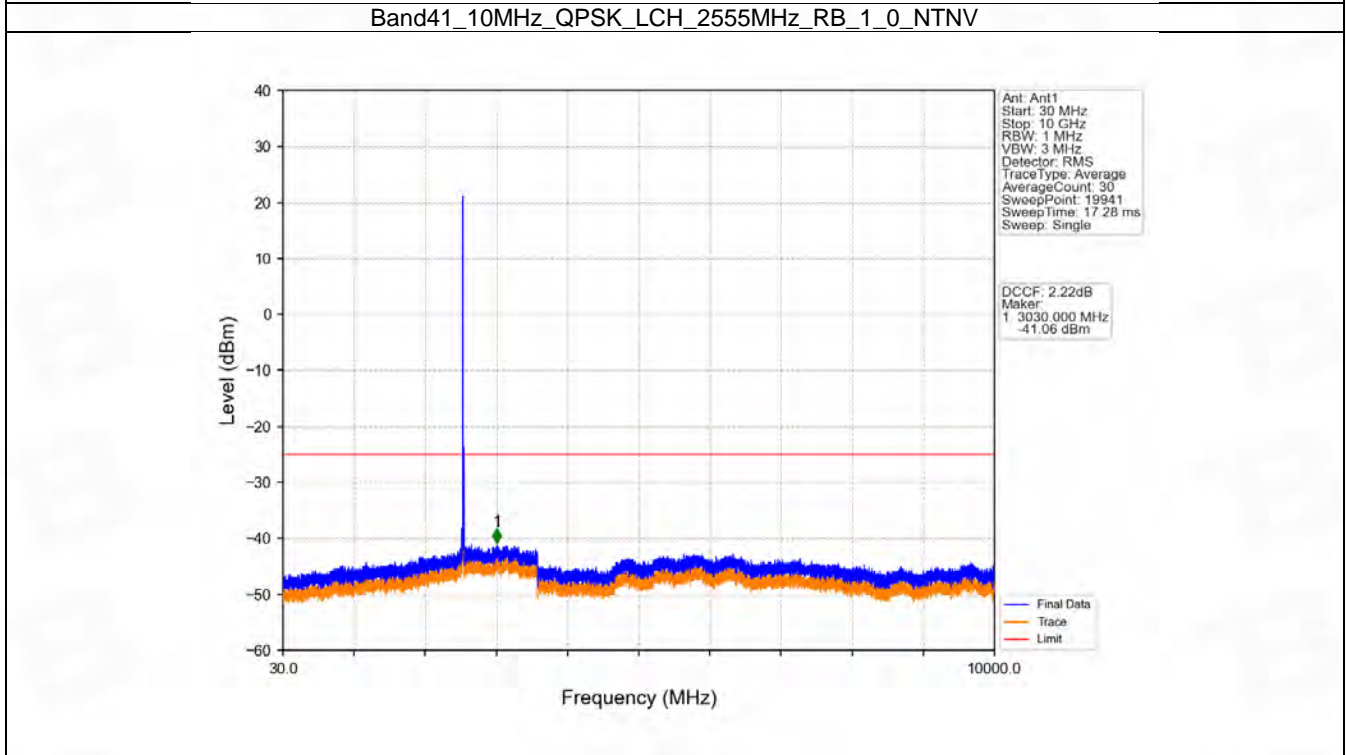
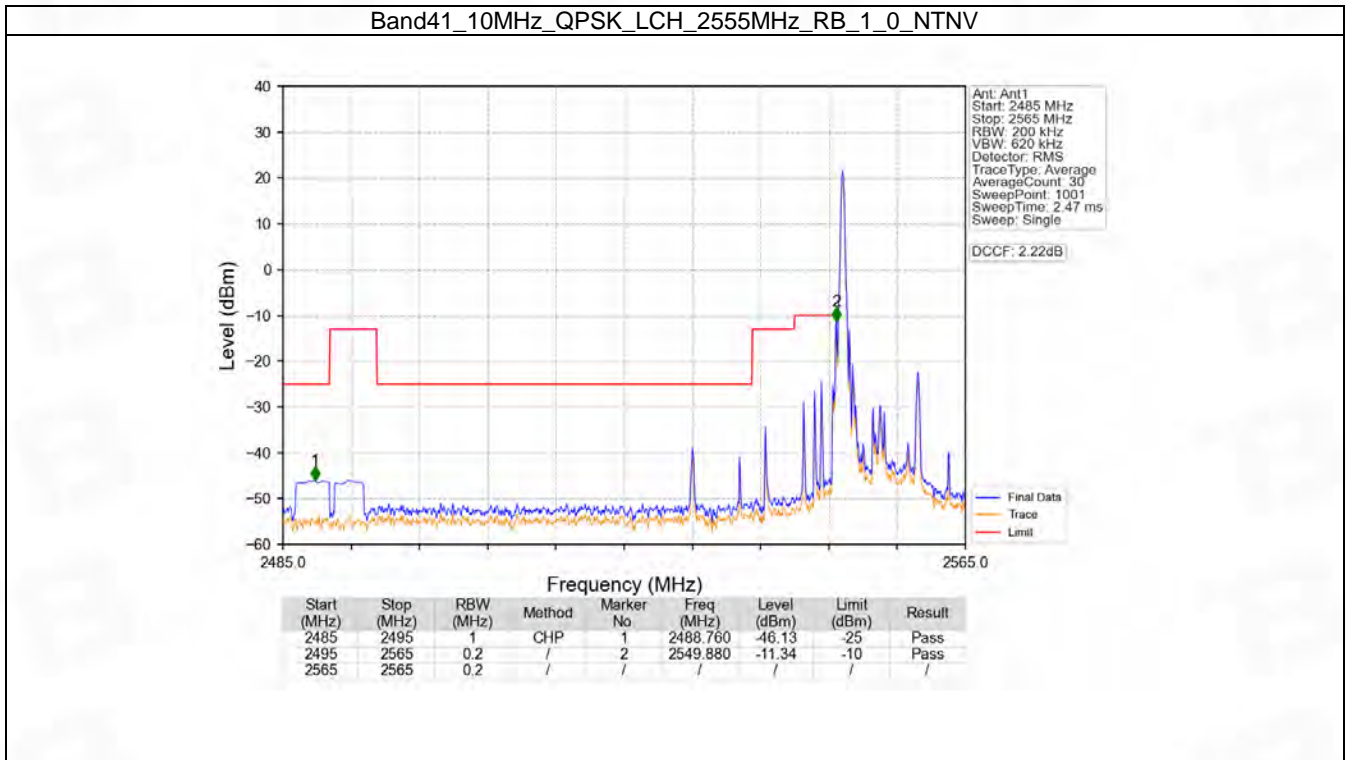


6.2 B41_10MHz

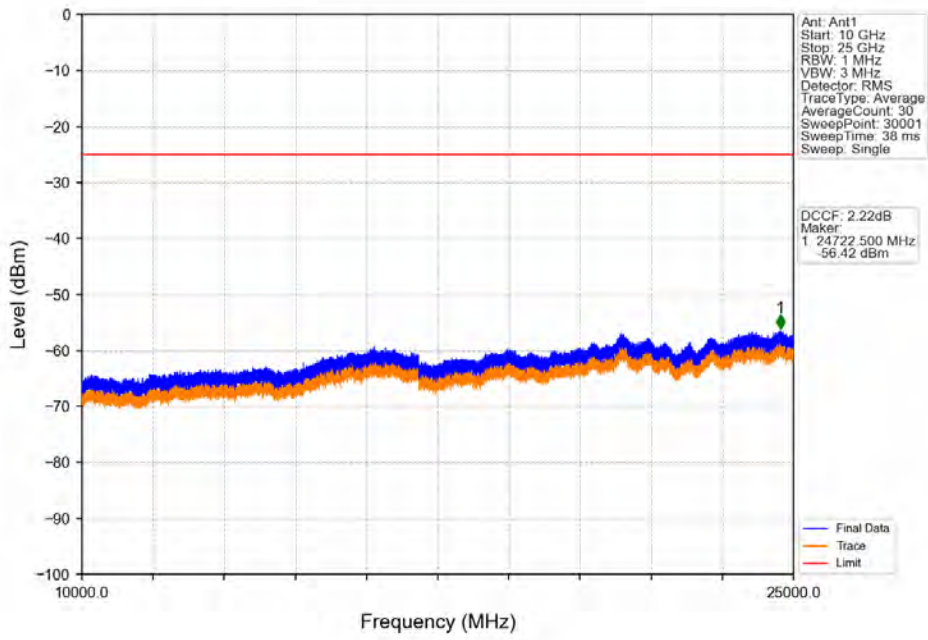
6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2645	1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2645	1	0	Refer To Test Graph		Pass
		1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

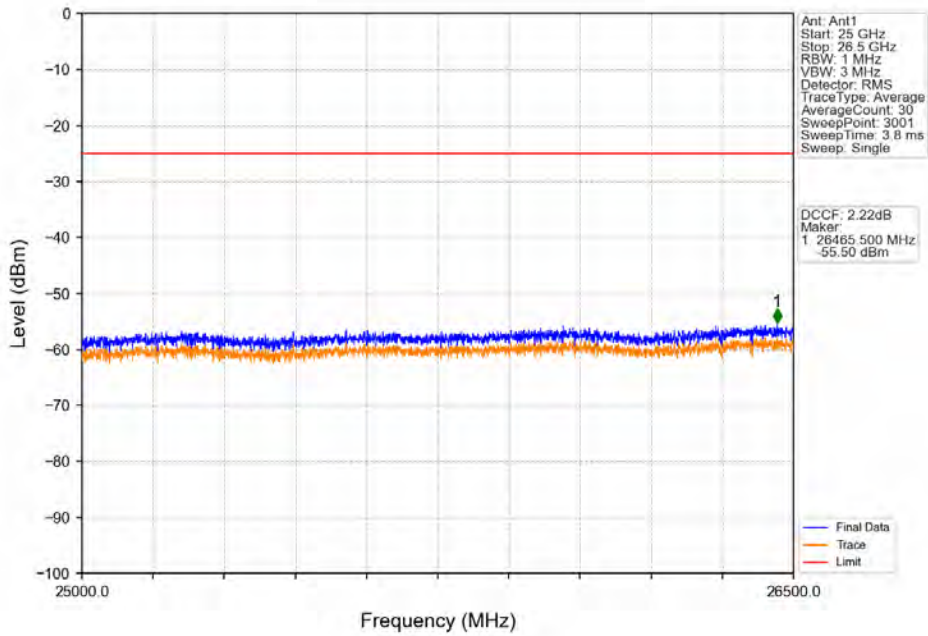
6.2.2 Test Graph



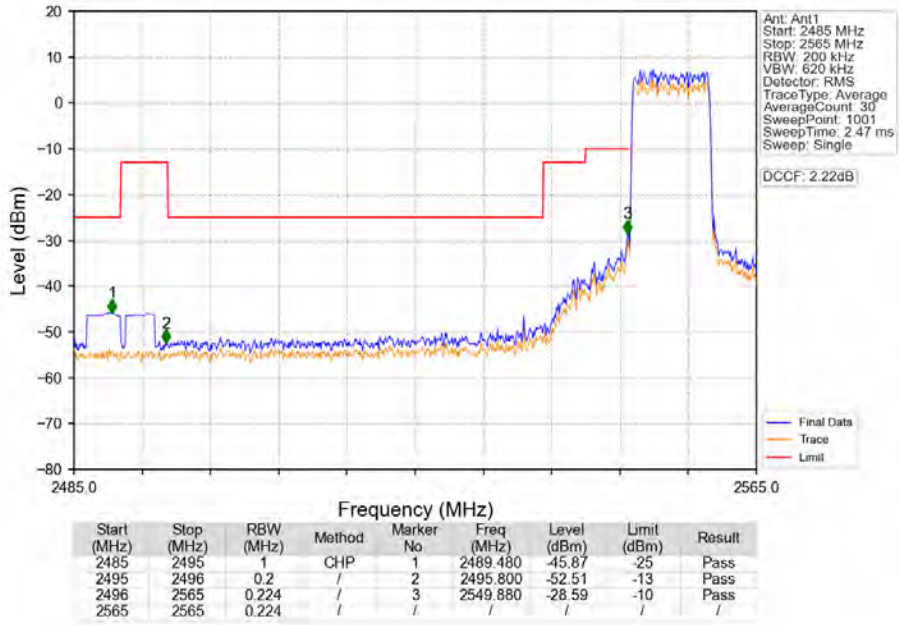
Band41_10MHz_QPSK_LCH_2555MHz_RB_1_0_NTNV



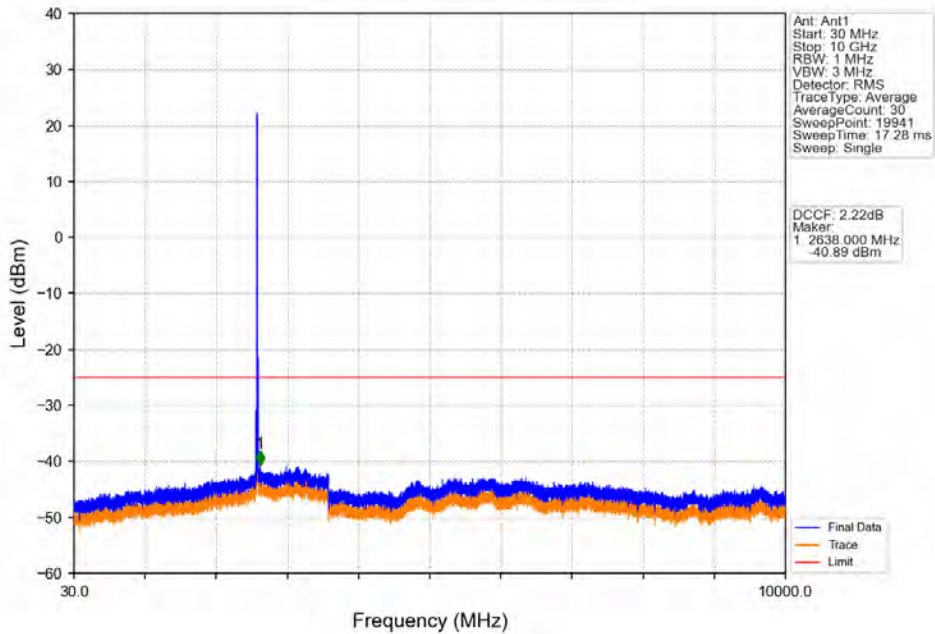
Band41_10MHz_QPSK_LCH_2555MHz_RB_1_0_NTNV



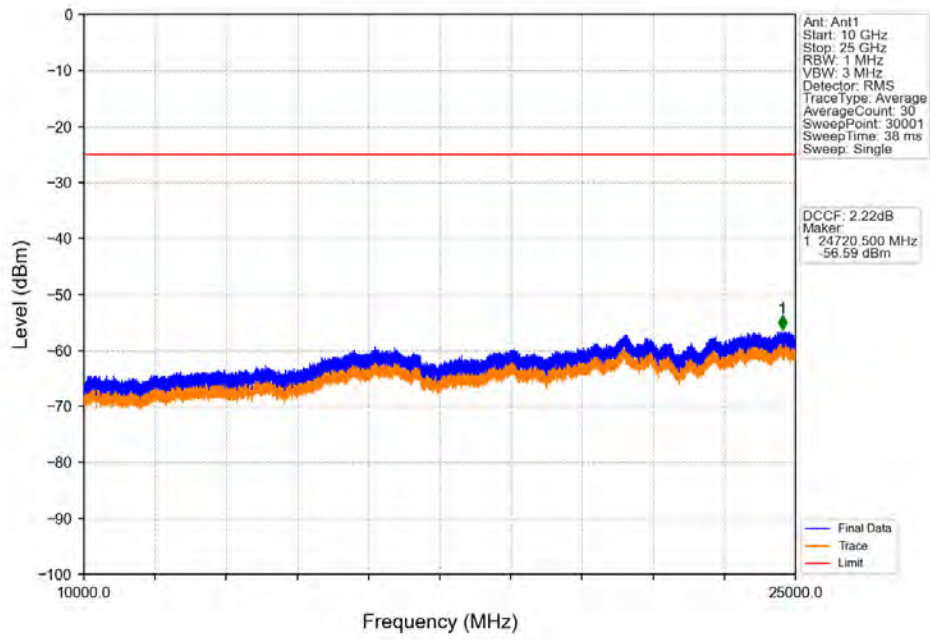
Band41_10MHz_QPSK_LCH_2555MHz_RB_50_0_NTNV



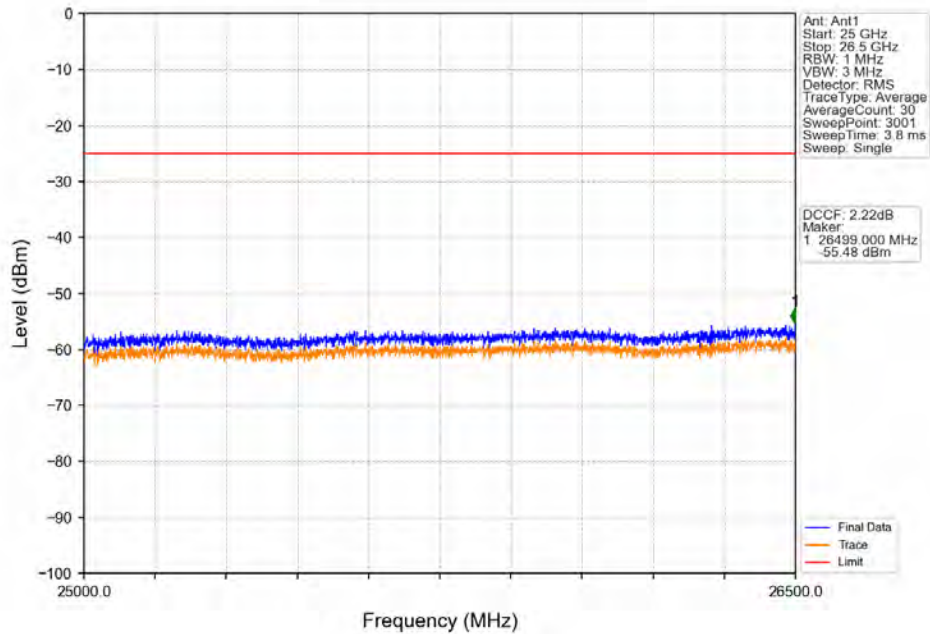
Band41_10MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



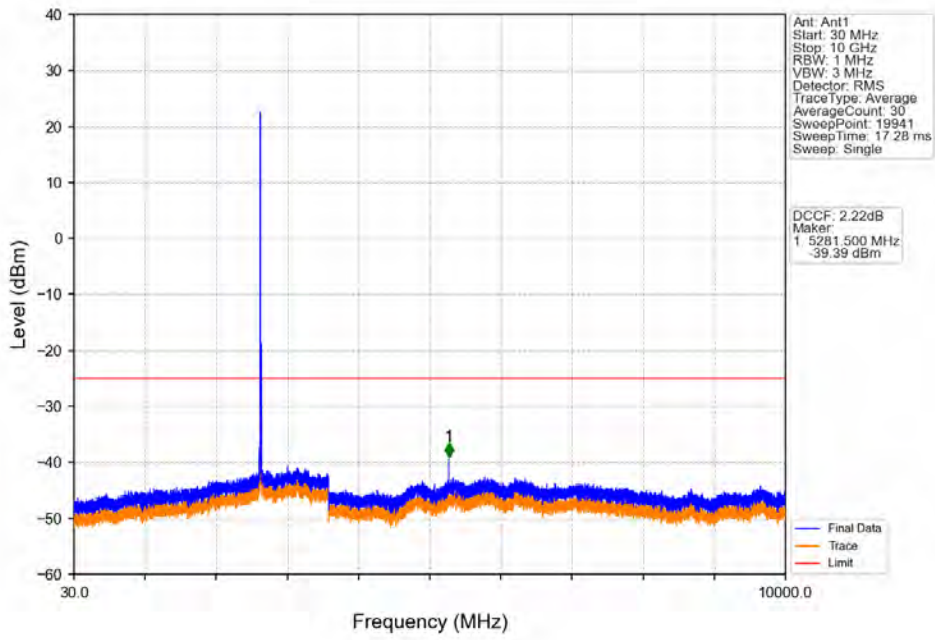
Band41_10MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



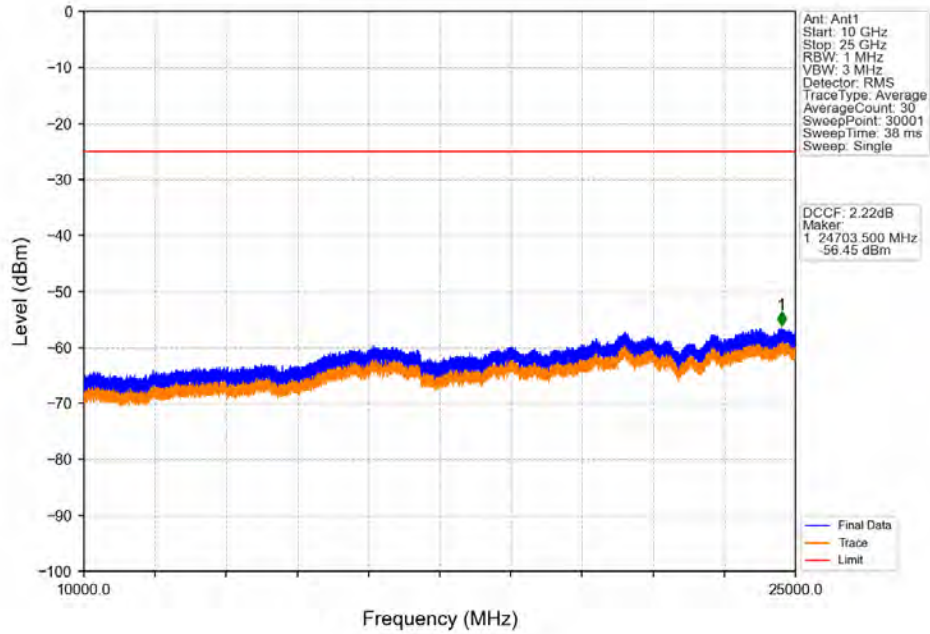
Band41_10MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



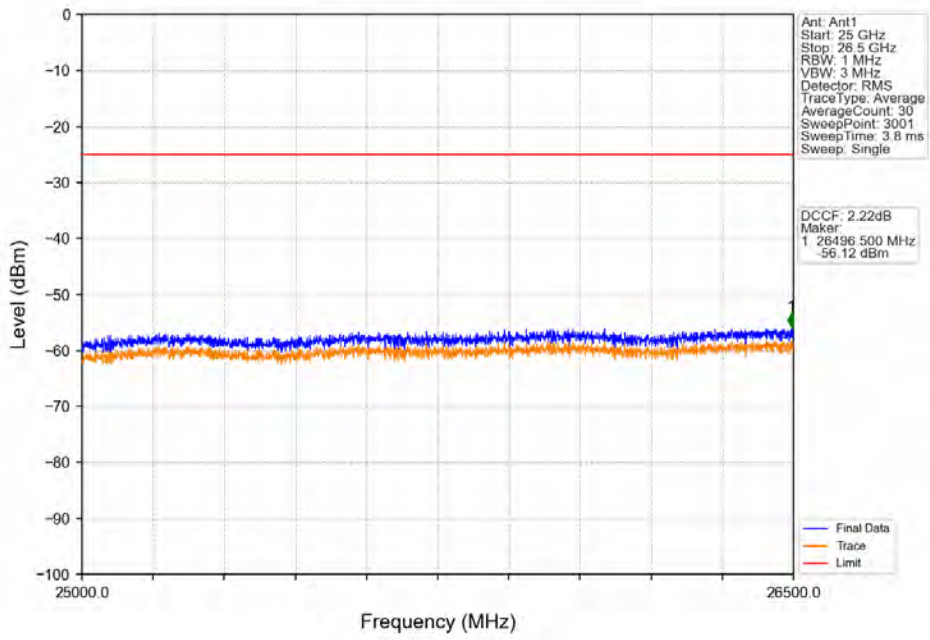
Band41_10MHz_QPSK_HCH_2645MHz_RB_1_0_NTNV



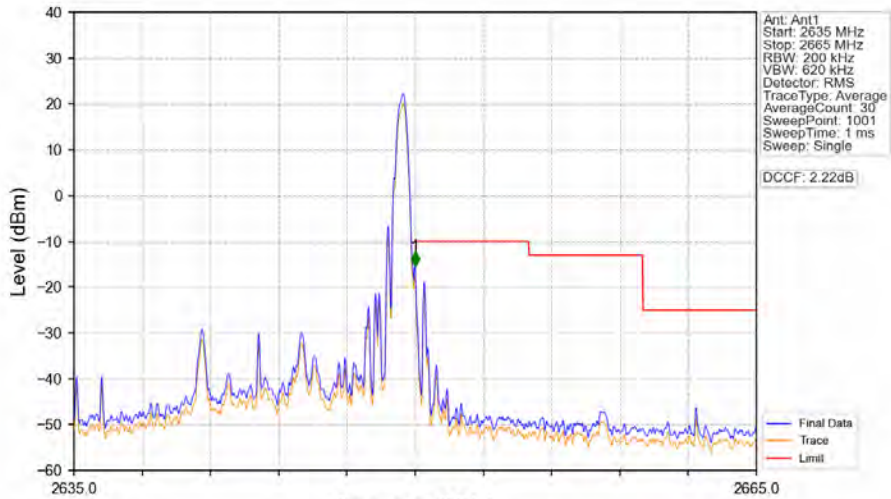
Band41_10MHz_QPSK_HCH_2645MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2645MHz_RB_1_0_NTNV

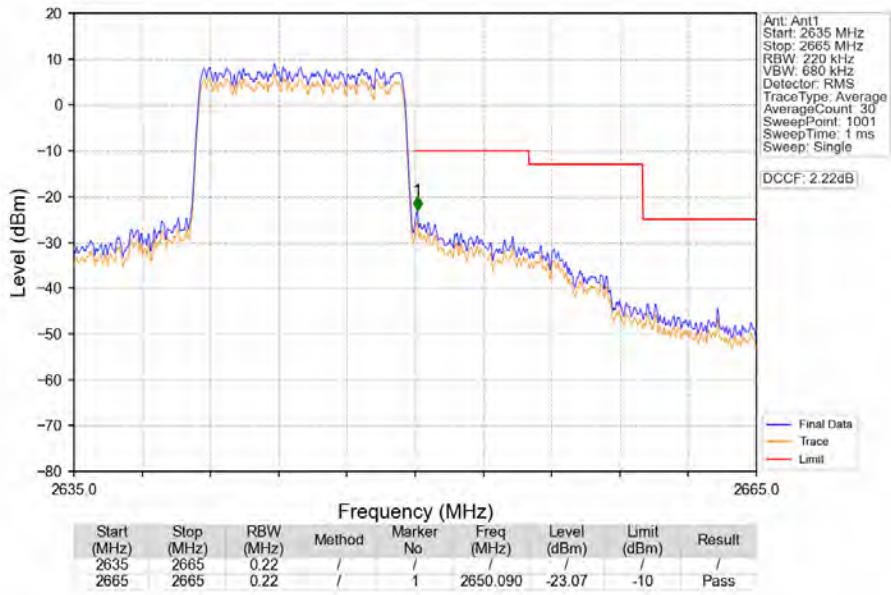


Band41_10MHz_QPSK_HCH_2645MHz_RB_1_49_NTNV

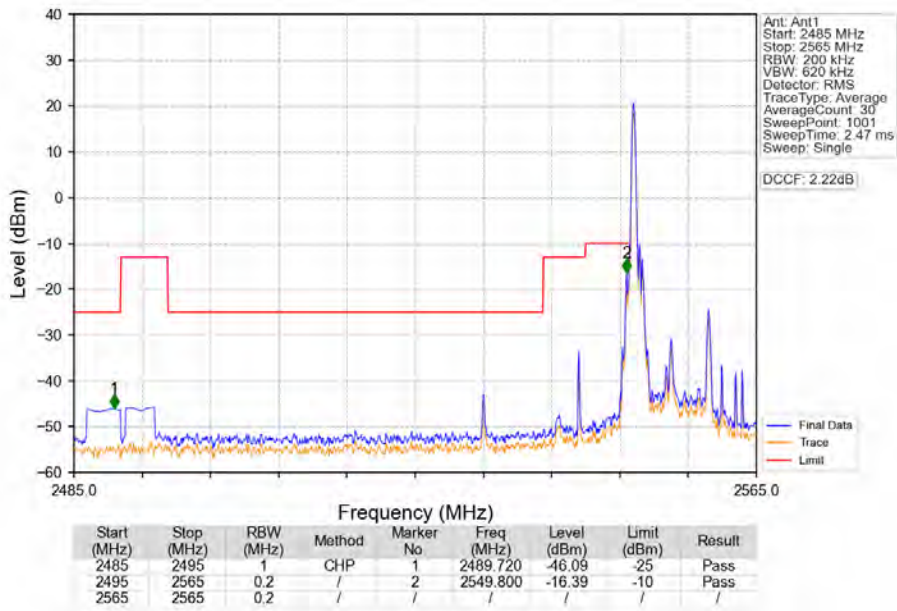


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2635	2665	0.2	/	/	/	/	/	/
2665	2665	0.2	/	1	2650.000	-15.38	-10	Pass

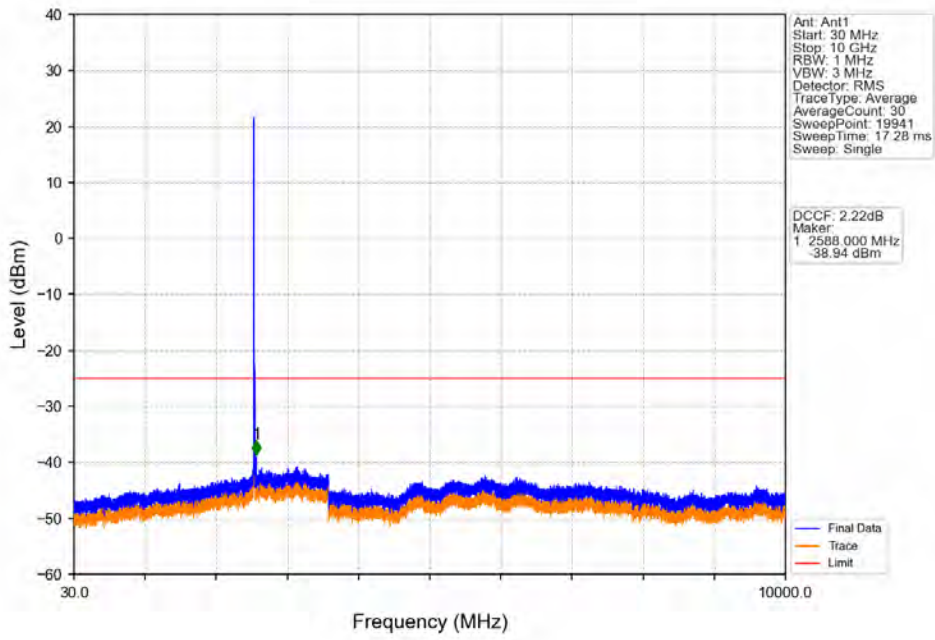
Band41_10MHz_QPSK_HCH_2645MHz_RB_50_0_NTNV



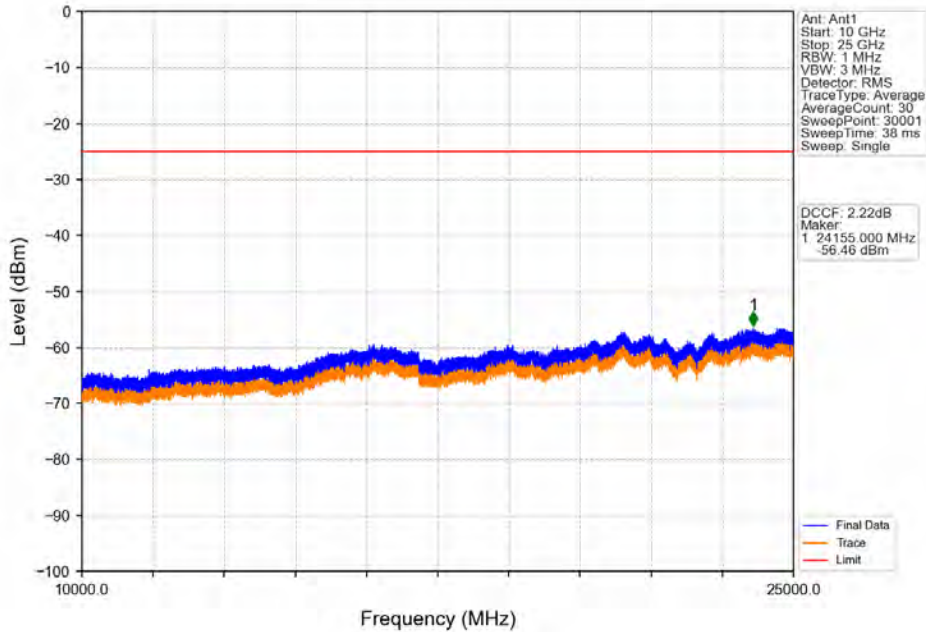
Band41_10MHz_16QAM_LCH_2555MHz_RB_1_0_NTNV



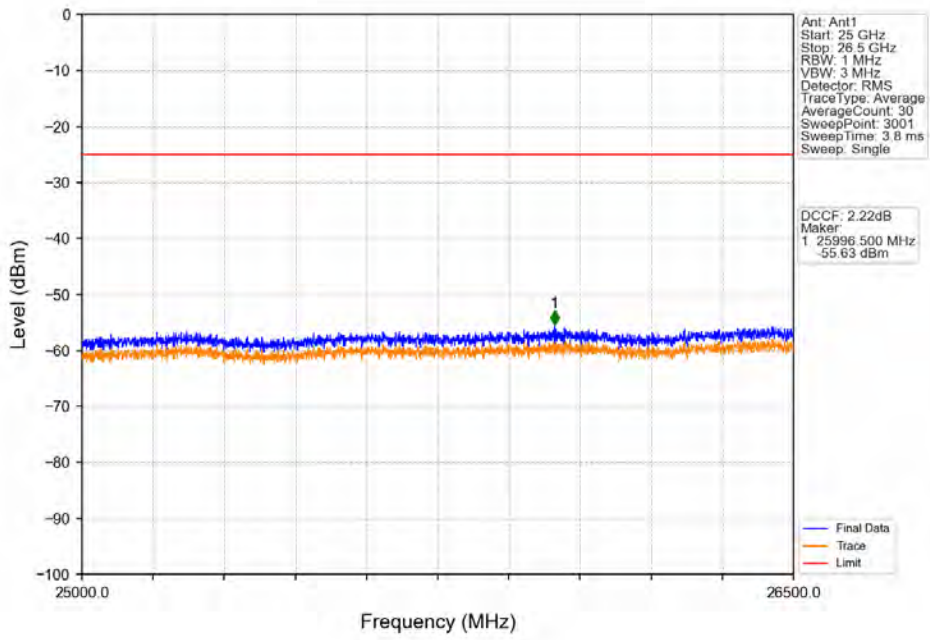
Band41_10MHz_16QAM_LCH_2555MHz_RB_1_0_NTNV



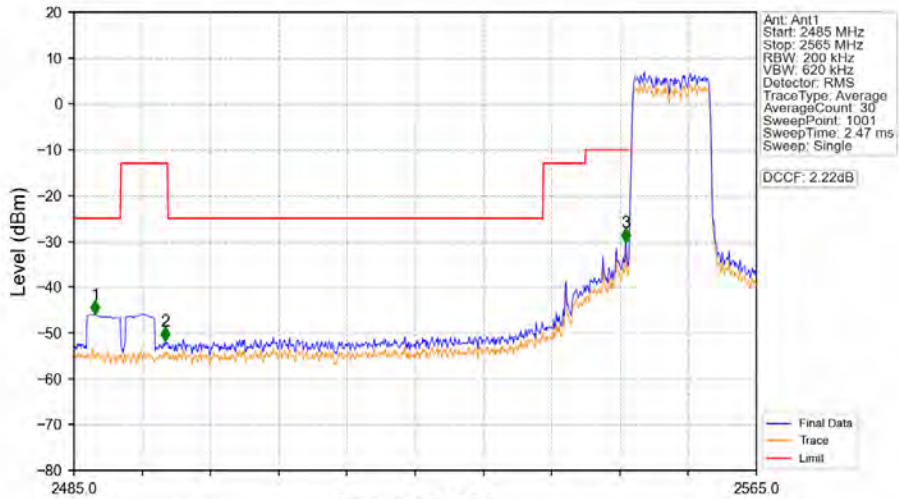
Band41_10MHz_16QAM_LCH_2555MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_LCH_2555MHz_RB_1_0_NTNV

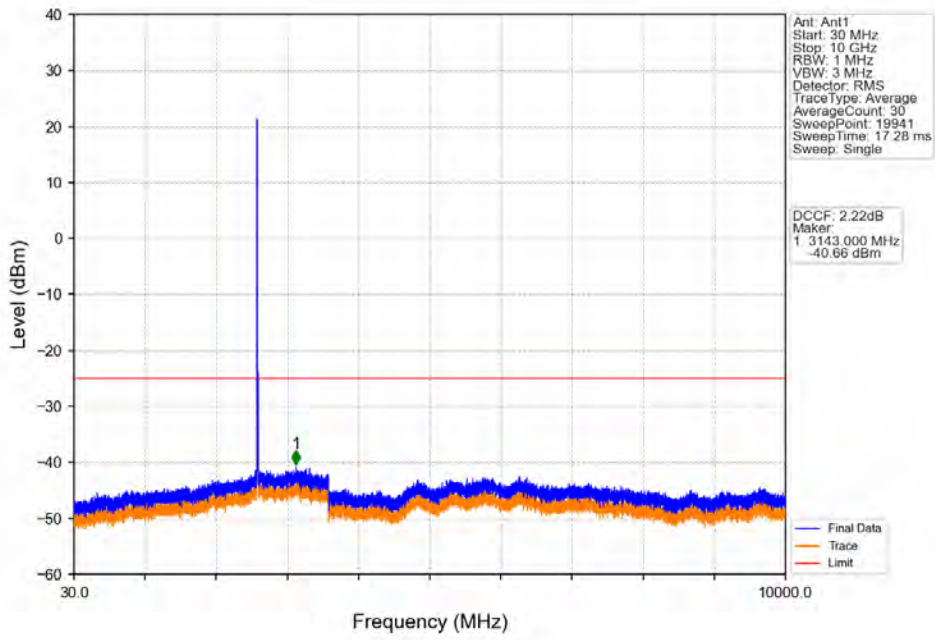


Band41_10MHz_16QAM_LCH_2555MHz_RB_50_0_NTNV

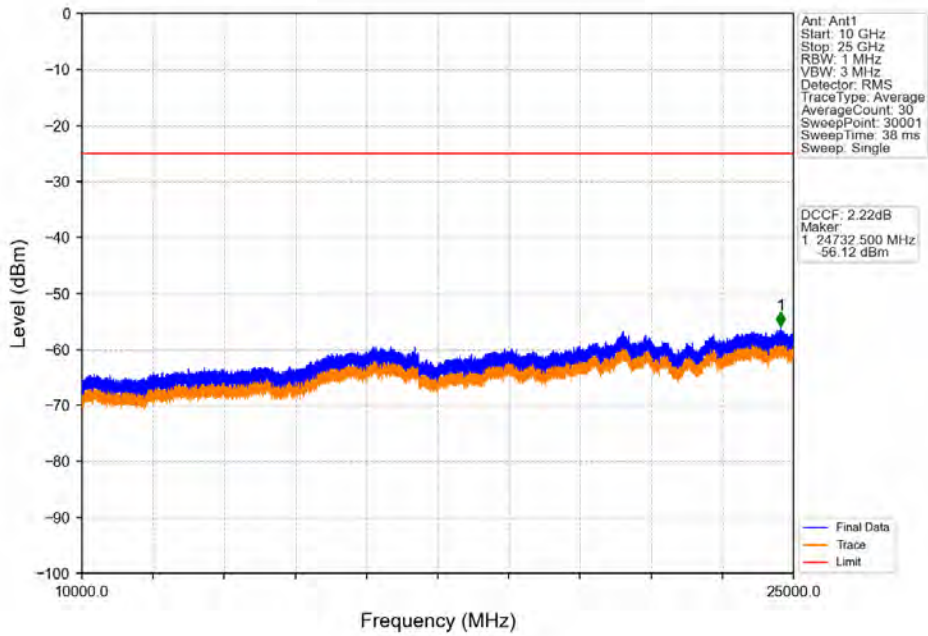


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2487.480	-45.99	-25	Pass
2495	2496	0.2	/	2	2495.720	-51.82	-13	Pass
2496	2565	0.212	/	3	2549.640	-30.22	-10	Pass
2565	2565	0.212	/	/	/	/	/	/

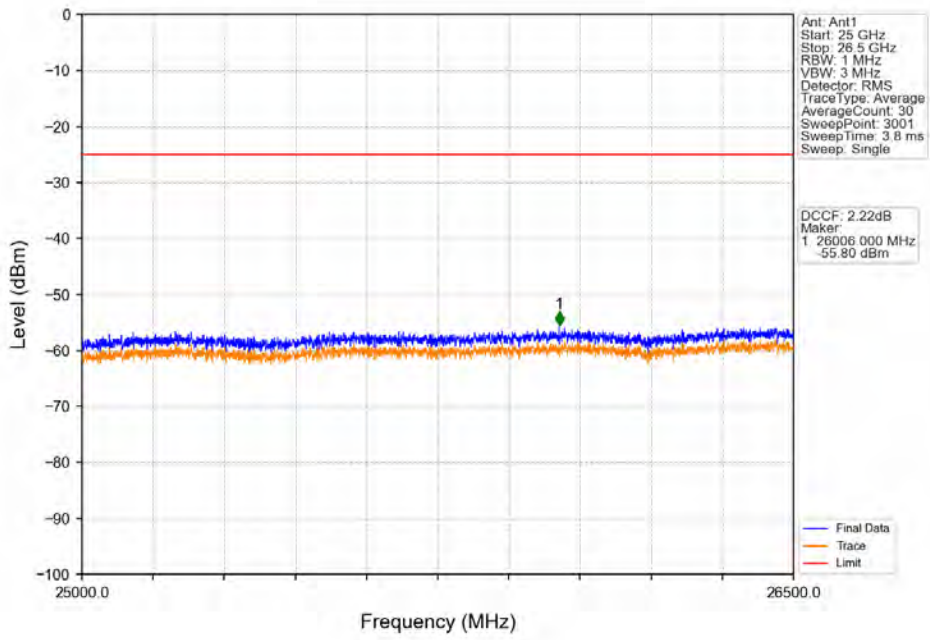
Band41_10MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



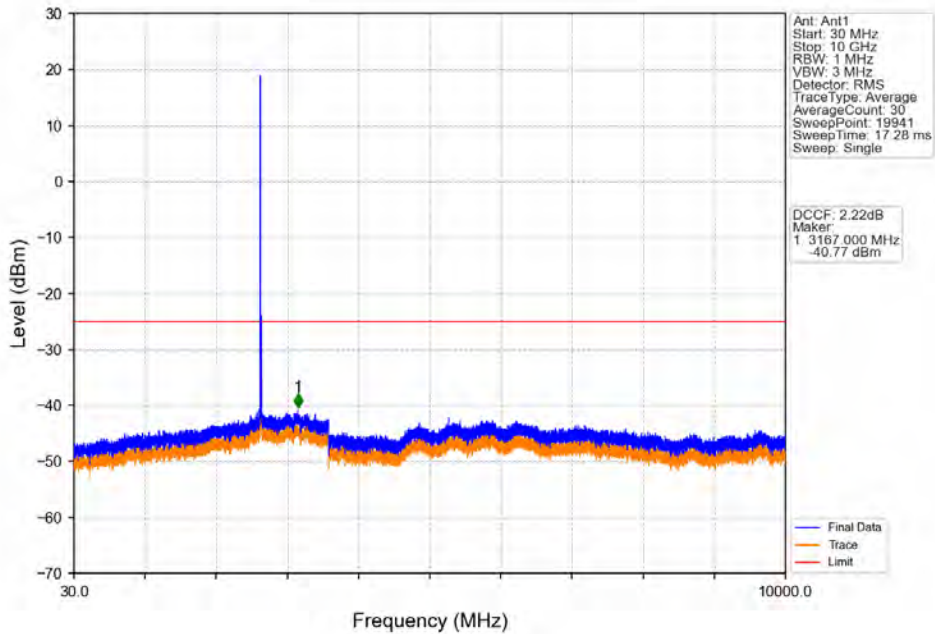
Band41_10MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



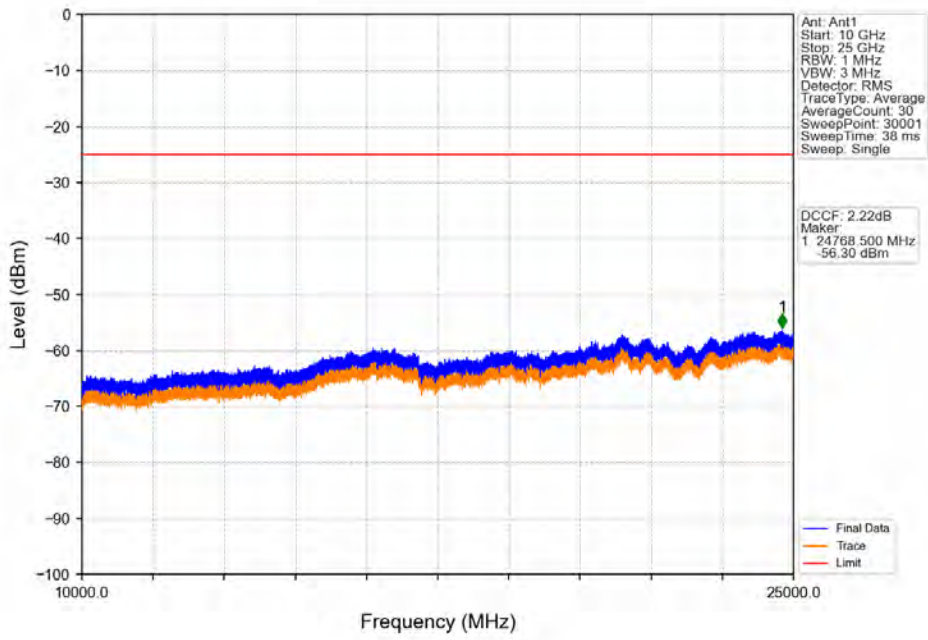
Band41_10MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



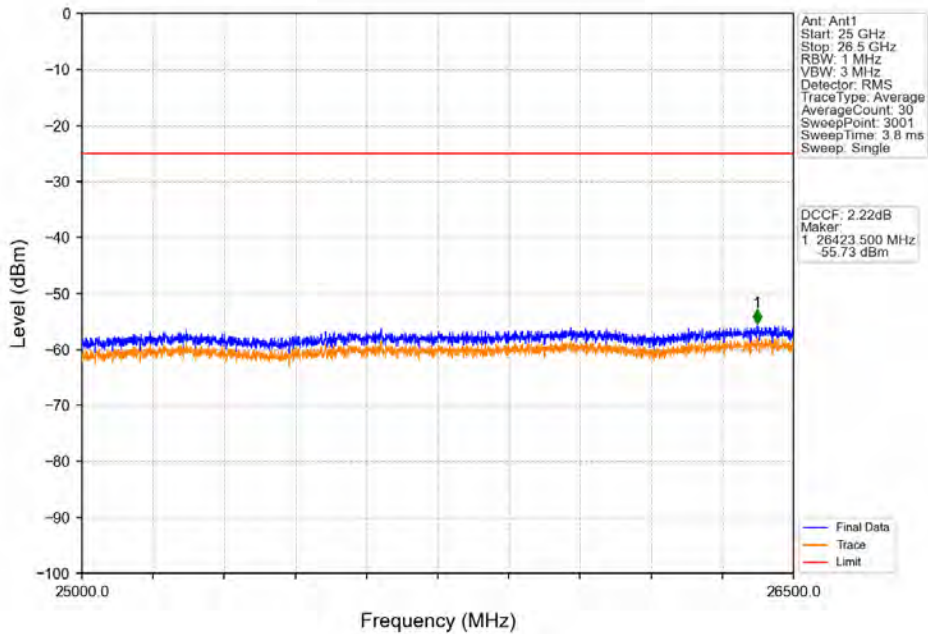
Band41_10MHz_16QAM_HCH_2645MHz_RB_1_0_NTNV



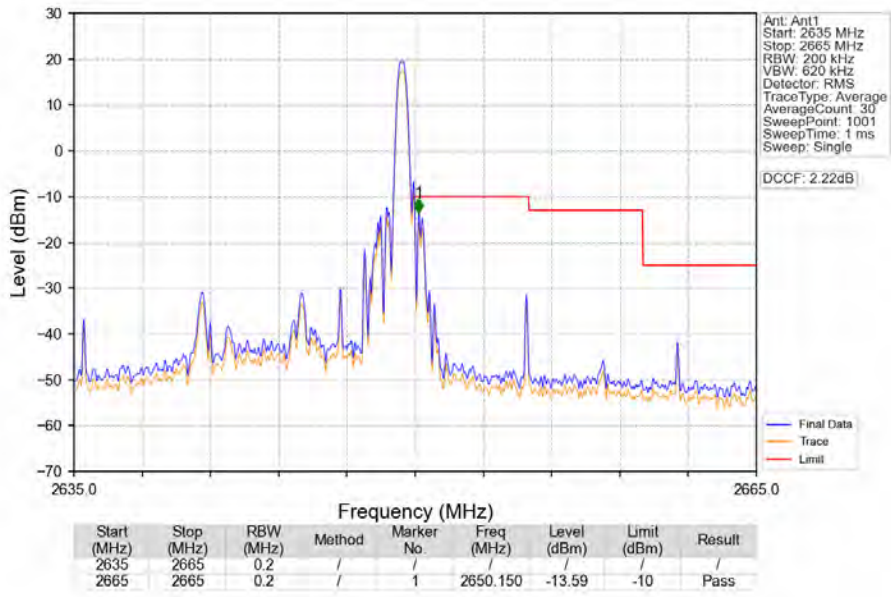
Band41_10MHz_16QAM_HCH_2645MHz_RB_1_0_NTNV



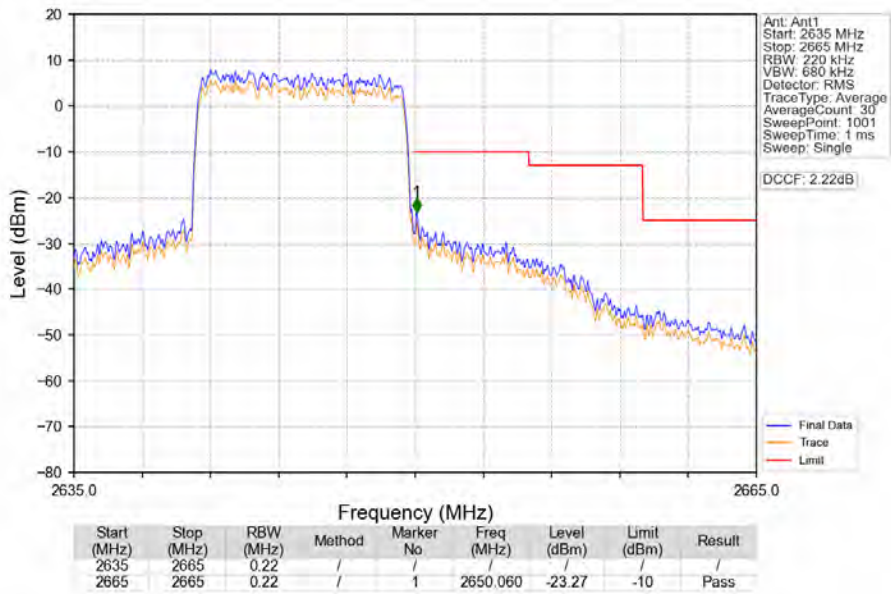
Band41_10MHz_16QAM_HCH_2645MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_HCH_2645MHz_RB_1_49_NTNV



Band41_10MHz_16QAM_HCH_2645MHz_RB_50_0_NTNV

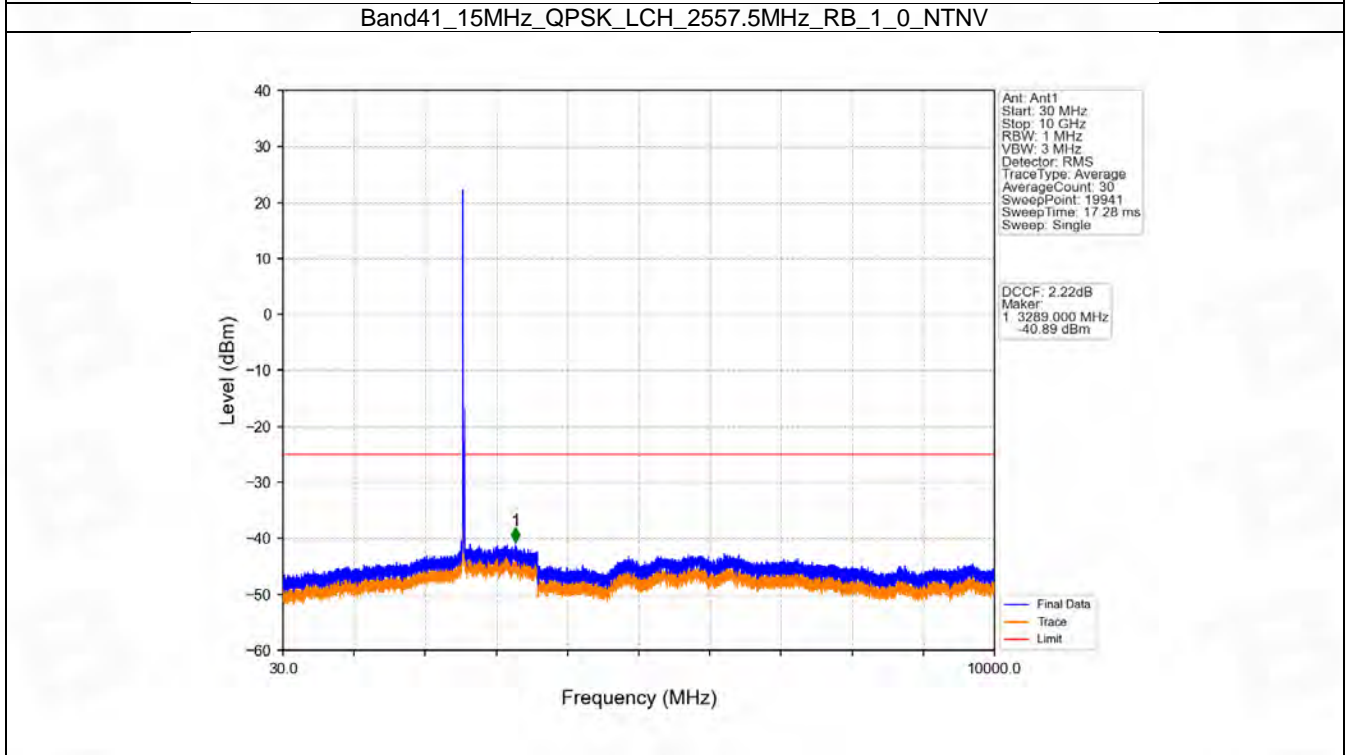
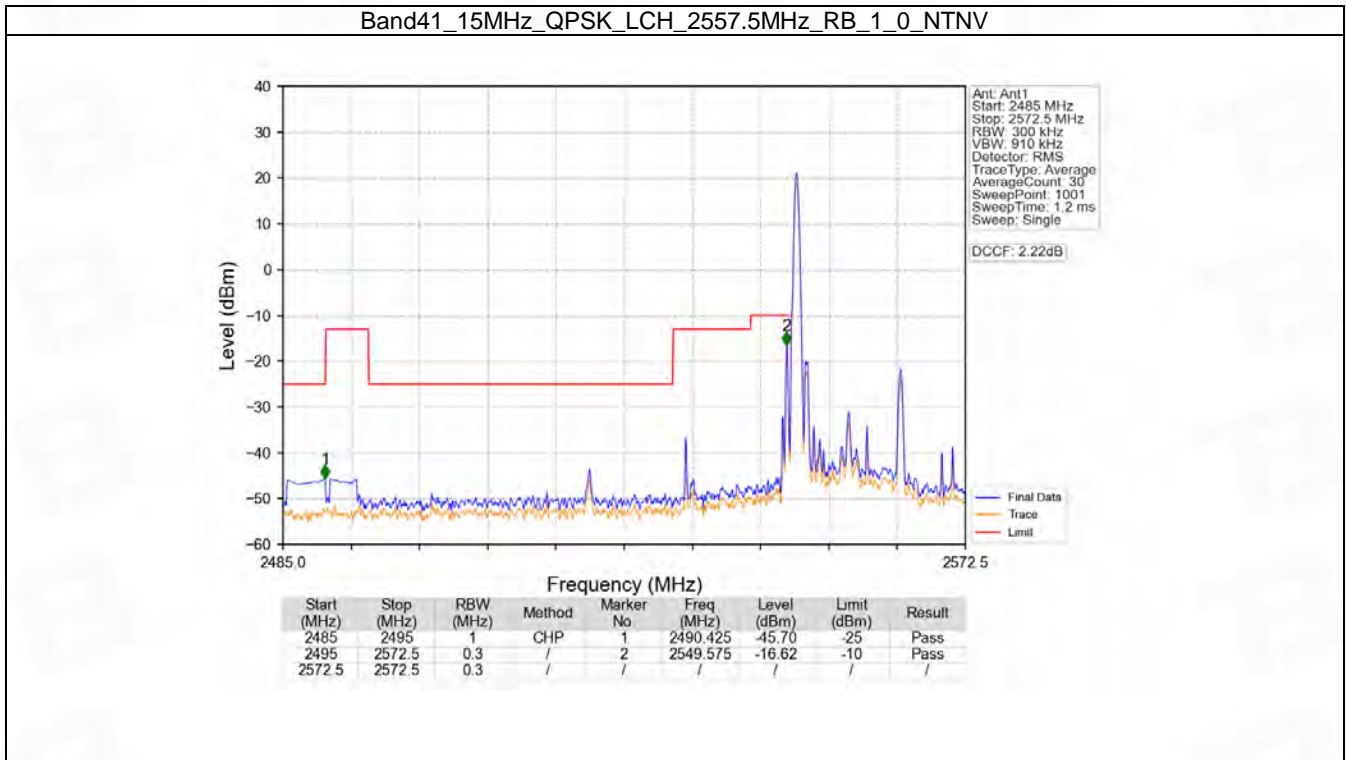


6.3 B41_15MHz

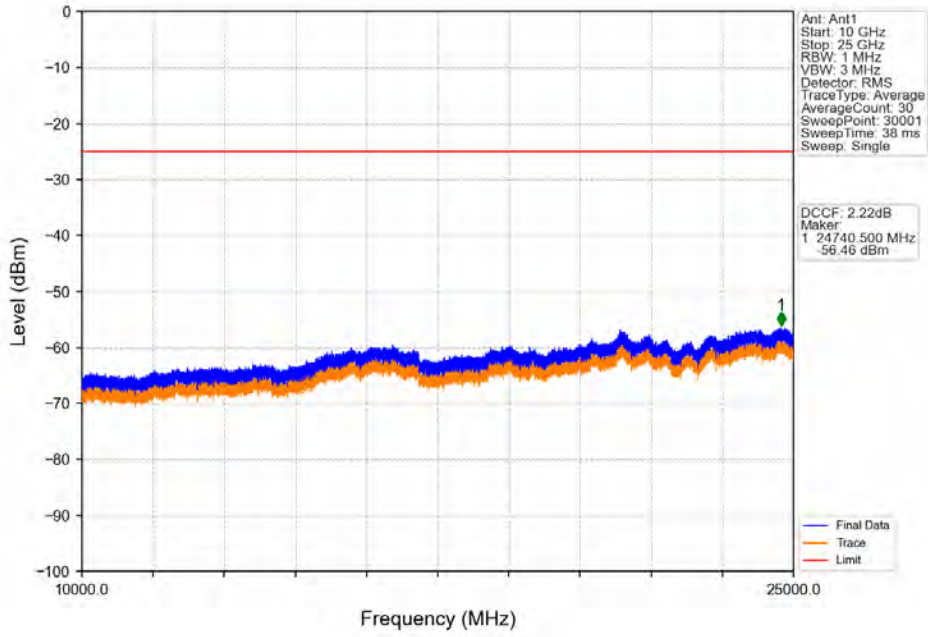
6.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2642.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2557.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2642.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

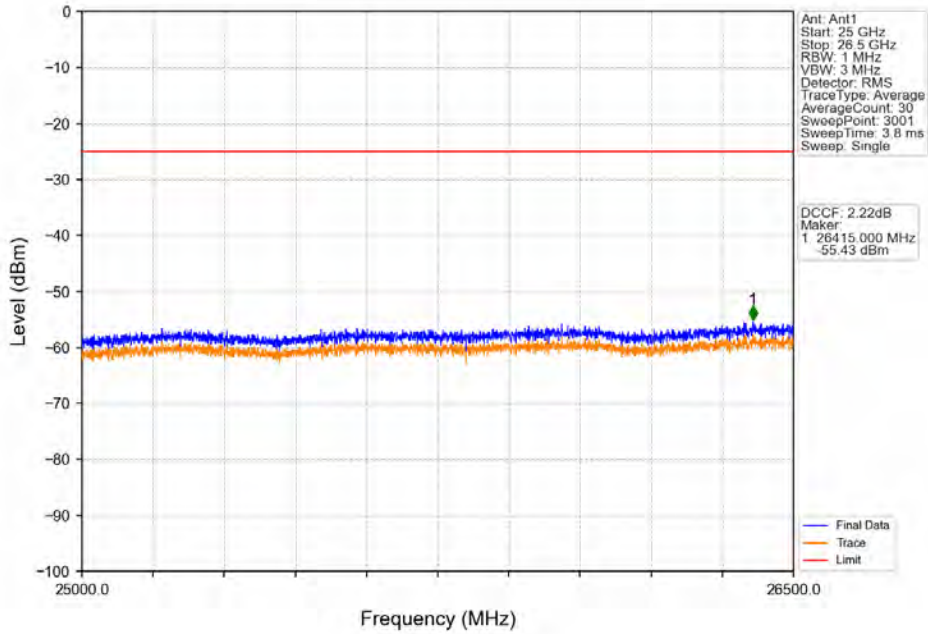
6.3.2 Test Graph



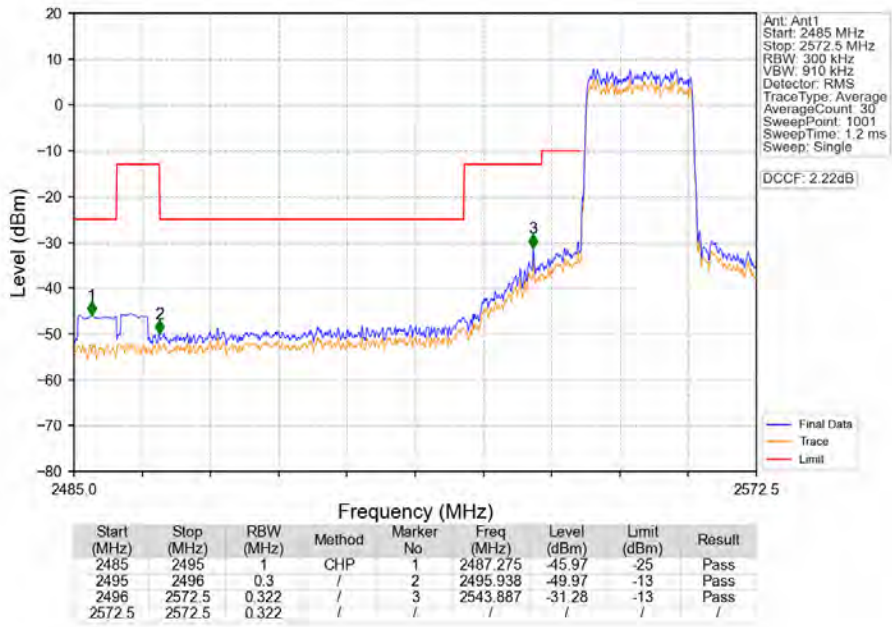
Band41_15MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



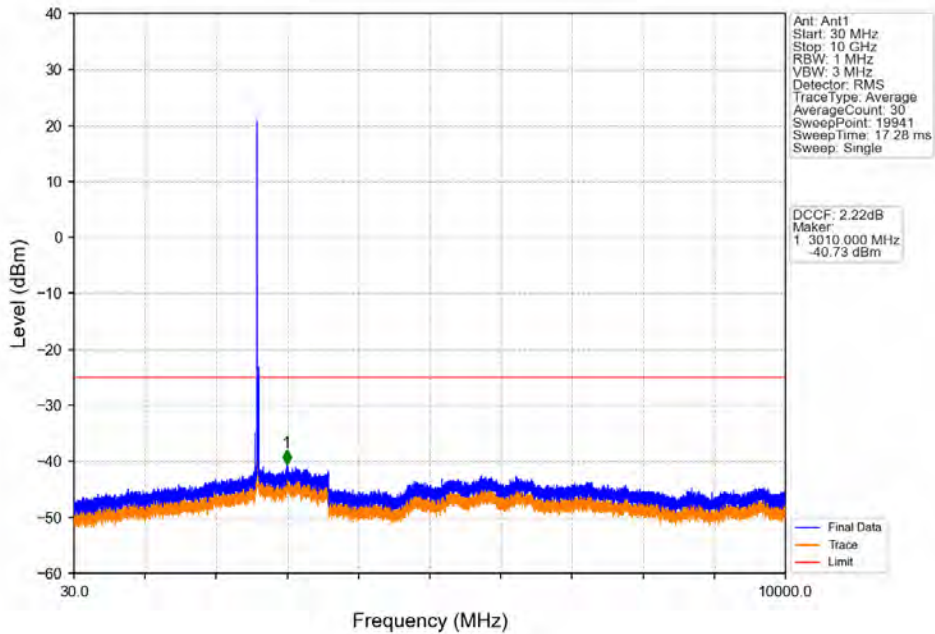
Band41_15MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



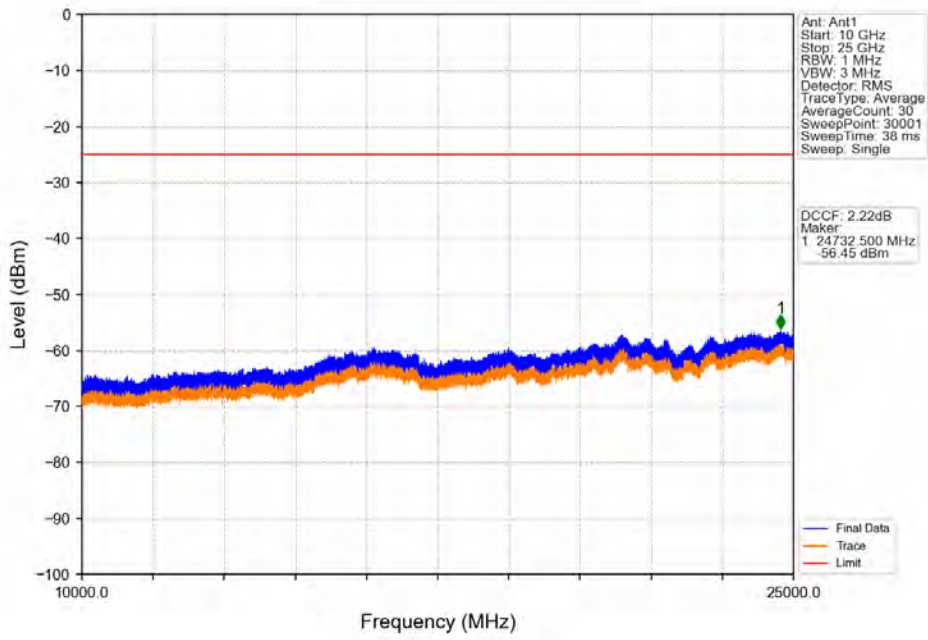
Band41_15MHz_QPSK_LCH_2557.5MHz_RB_75_0_NTNV



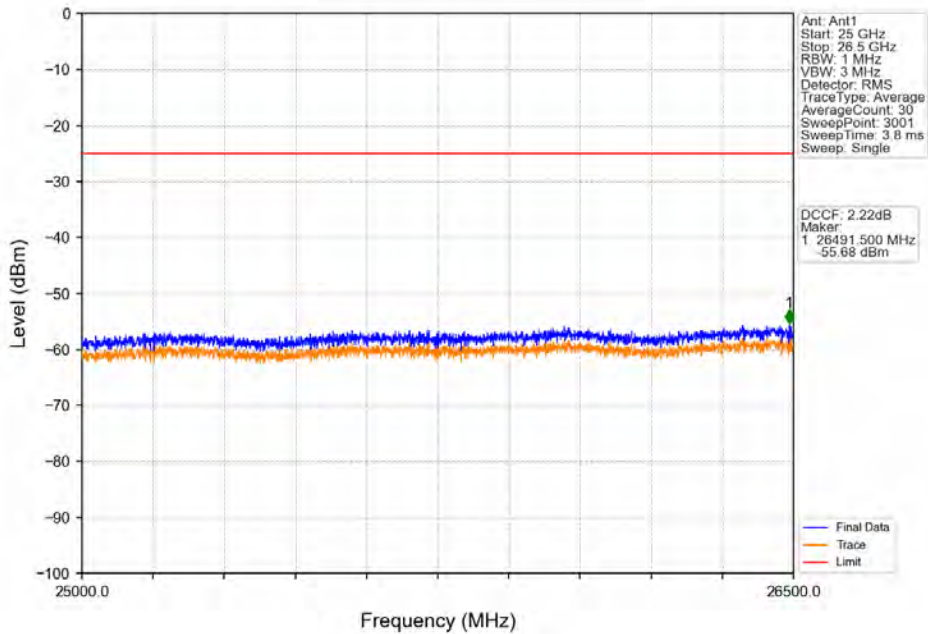
Band41_15MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



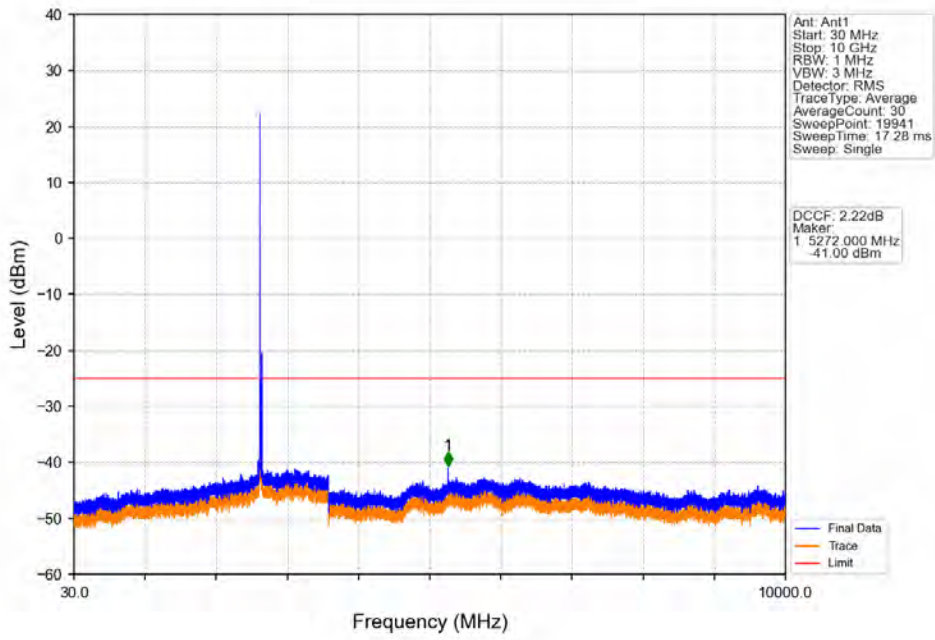
Band41_15MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



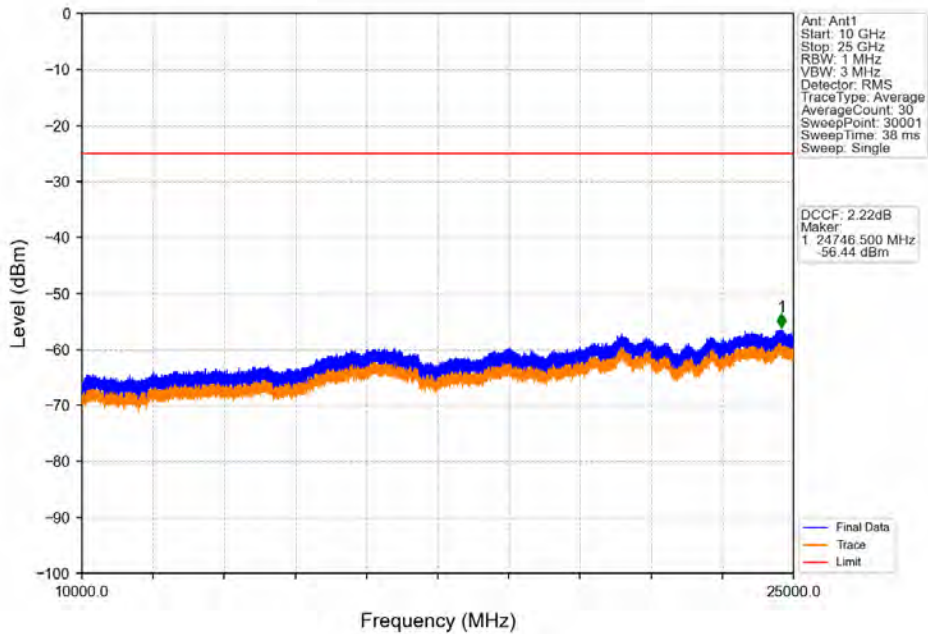
Band41_15MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



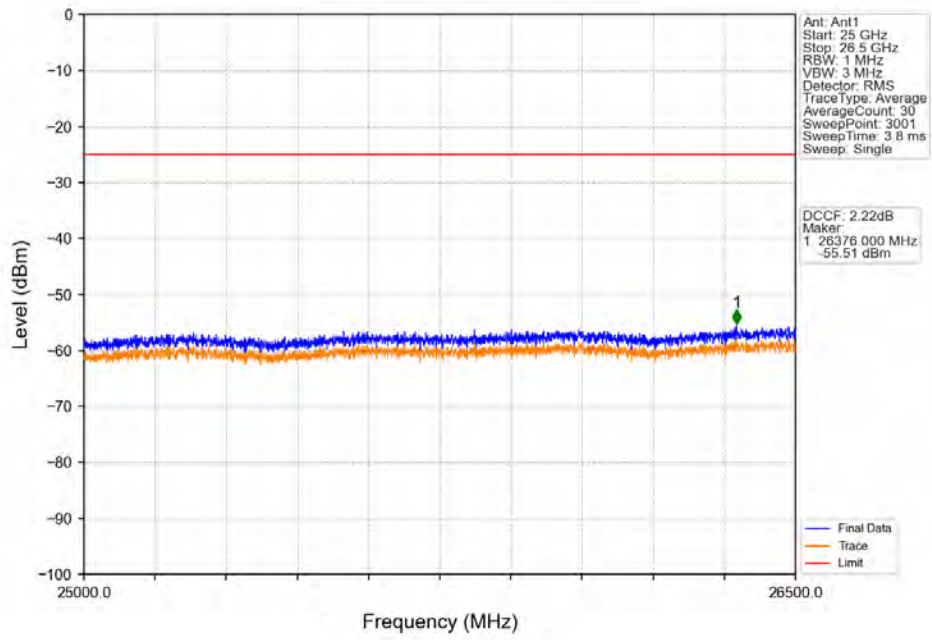
Band41_15MHz_QPSK_HCH_2642.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2642.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2642.5MHz_RB_1_0_NTNV

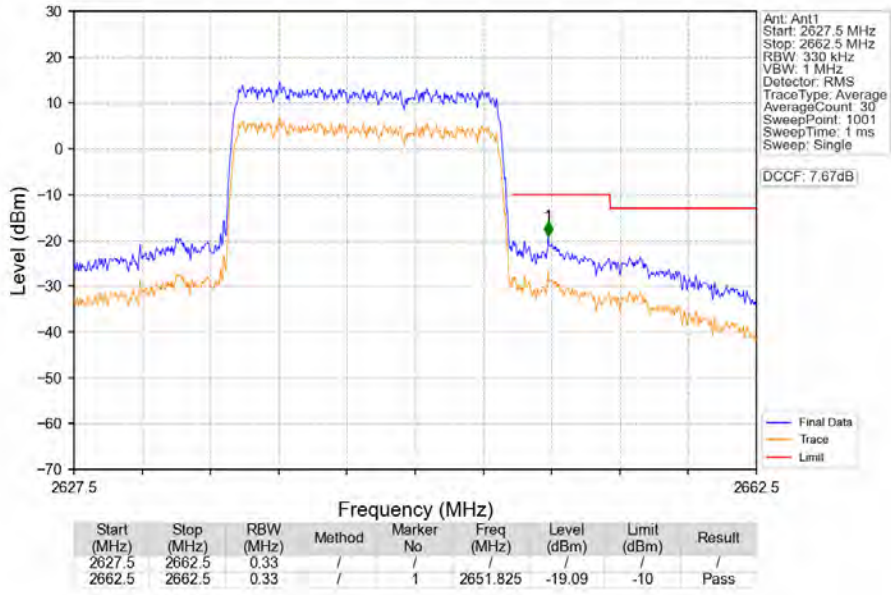


Band41_15MHz_QPSK_HCH_2642.5MHz_RB_1_74_NTNV

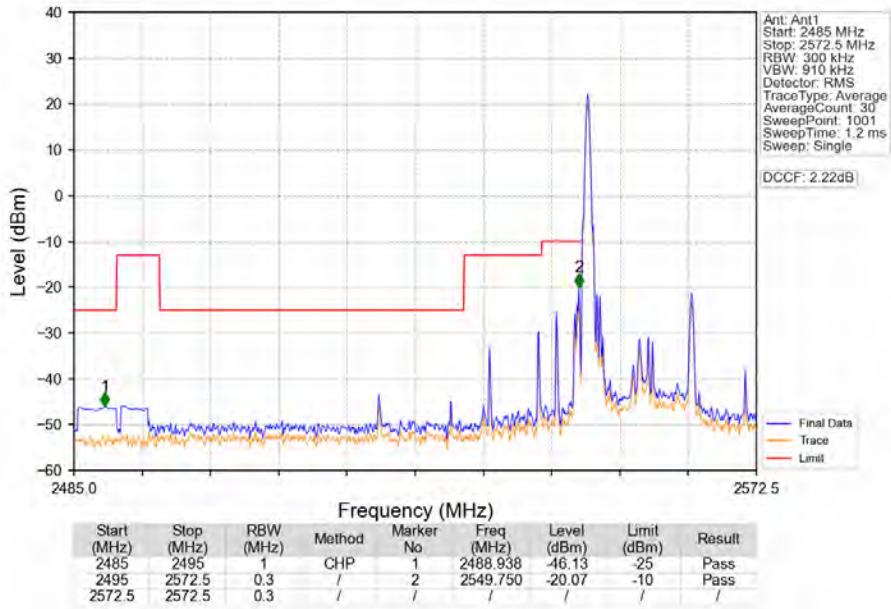


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2627.5	2662.5	0.3	/	/	/	/	/	/
2627.5	2662.5	0.3	/	1	2650.005	-10.73	-10	Pass

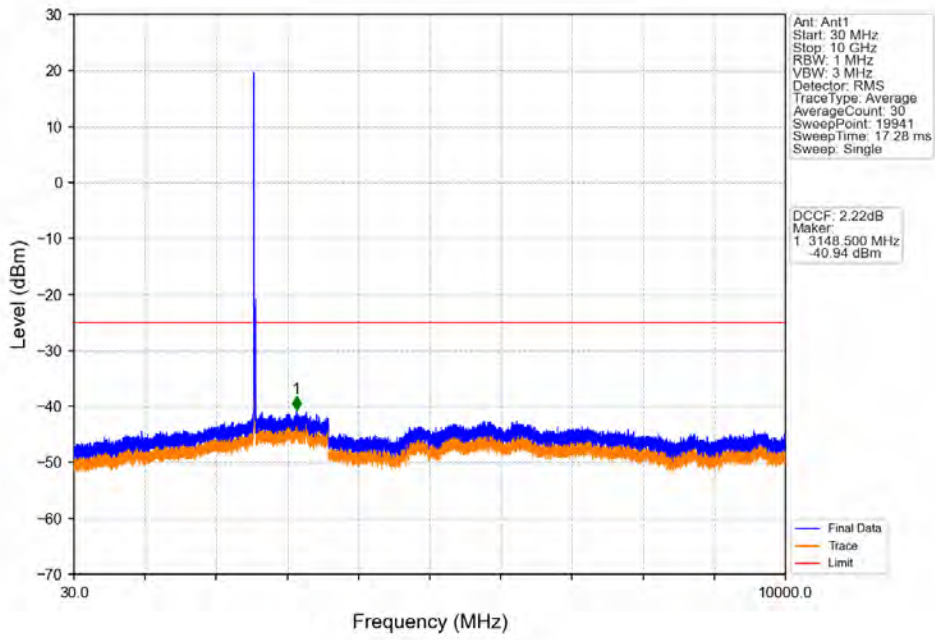
Band41_15MHz_QPSK_HCH_2642.5MHz_RB_75_0_NTNV



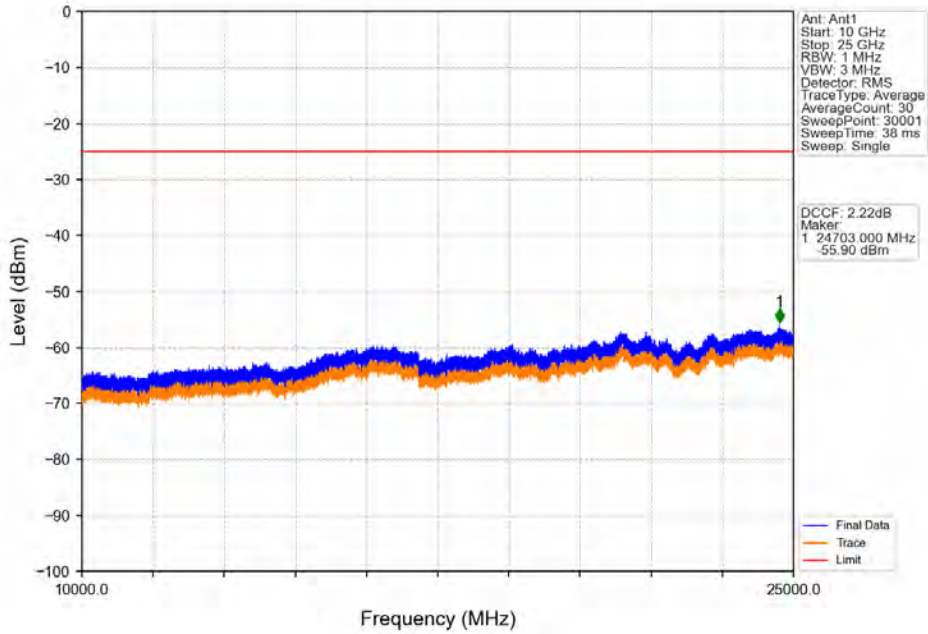
Band41_15MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



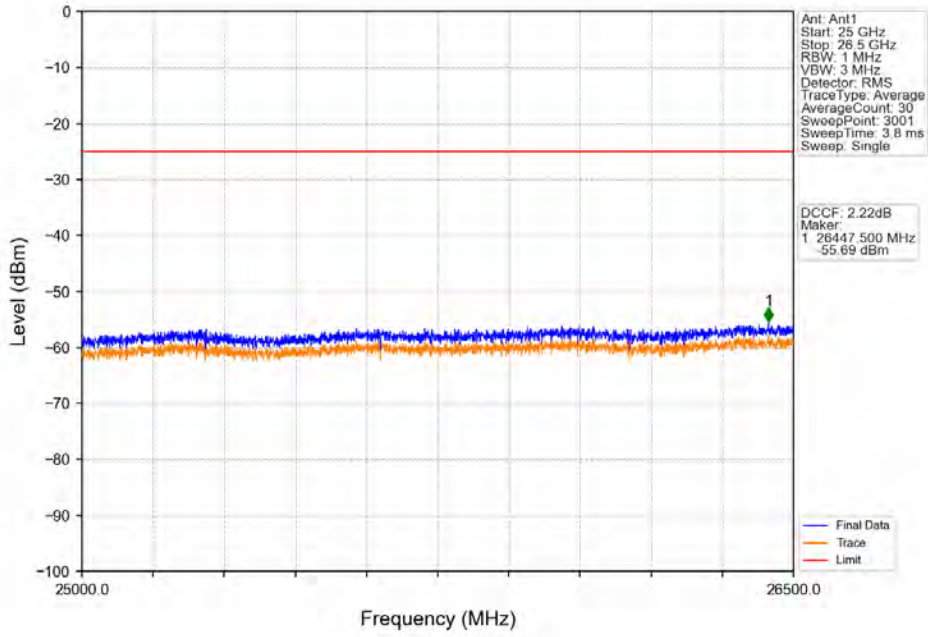
Band41_15MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



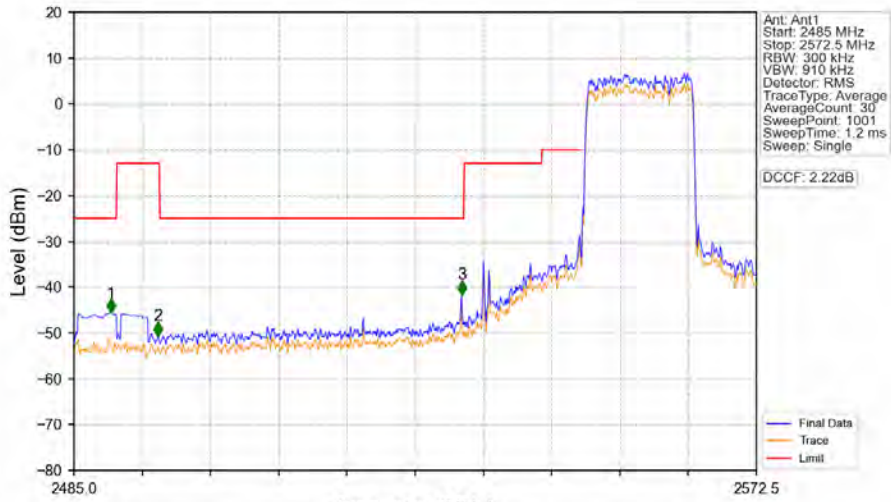
Band41_15MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



Band41_15MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV

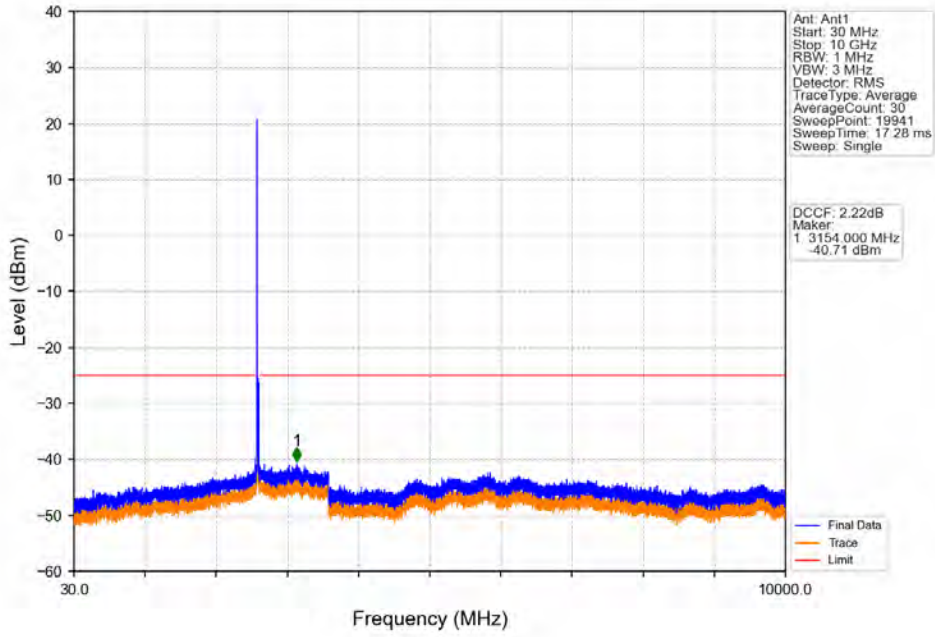


Band41_15MHz_16QAM_LCH_2557.5MHz_RB_75_0_NTNV

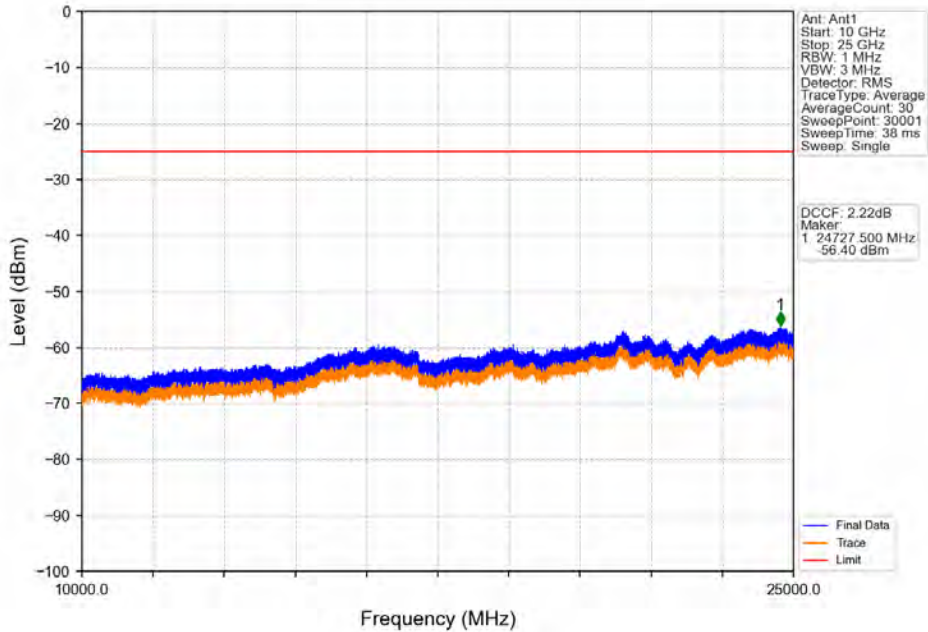


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2489.725	-45.60	-25	Pass
2495	2496	0.3	/	2	2495.762	-50.66	-13	Pass
2496	2572.5	0.346	/	3	2534.700	-41.66	-25	Pass
2572.5	2572.5	0.346	/	/	/	/	/	/

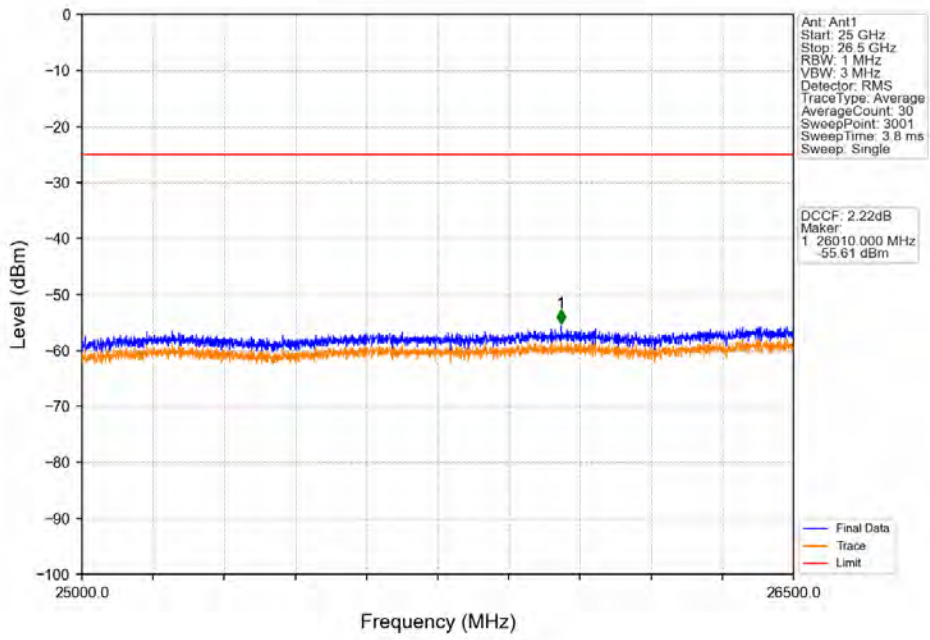
Band41_15MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



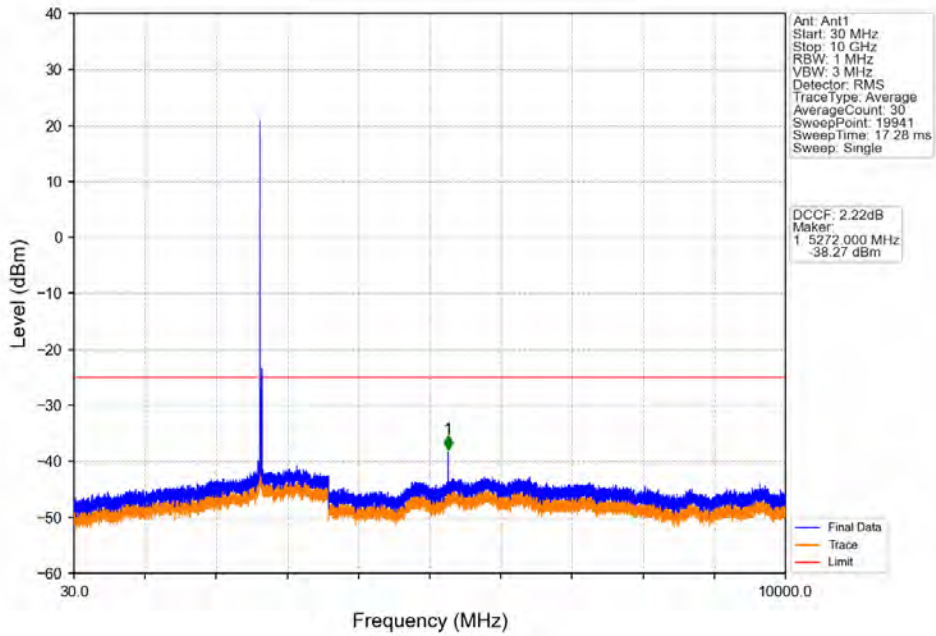
Band41_15MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



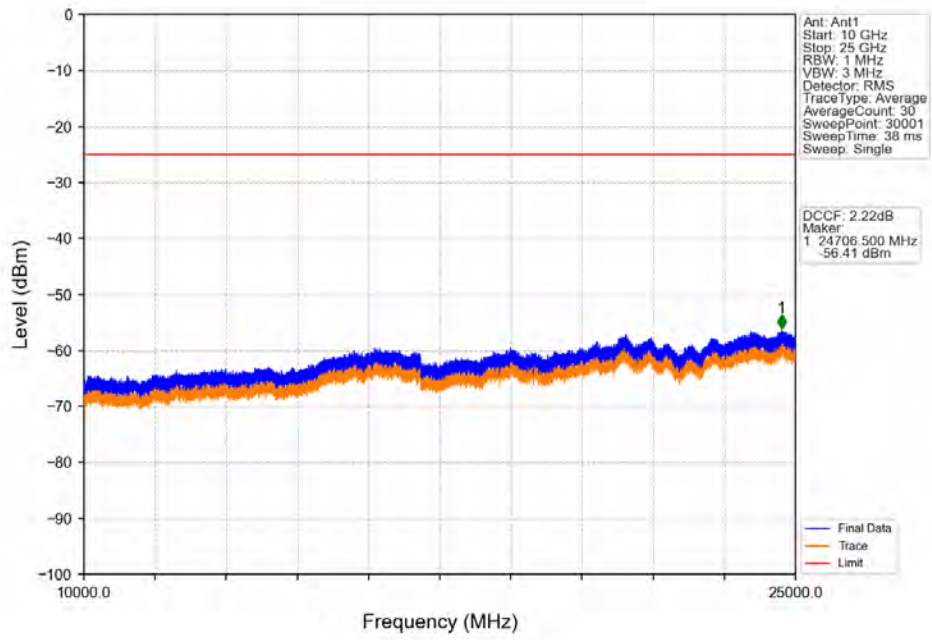
Band41_15MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



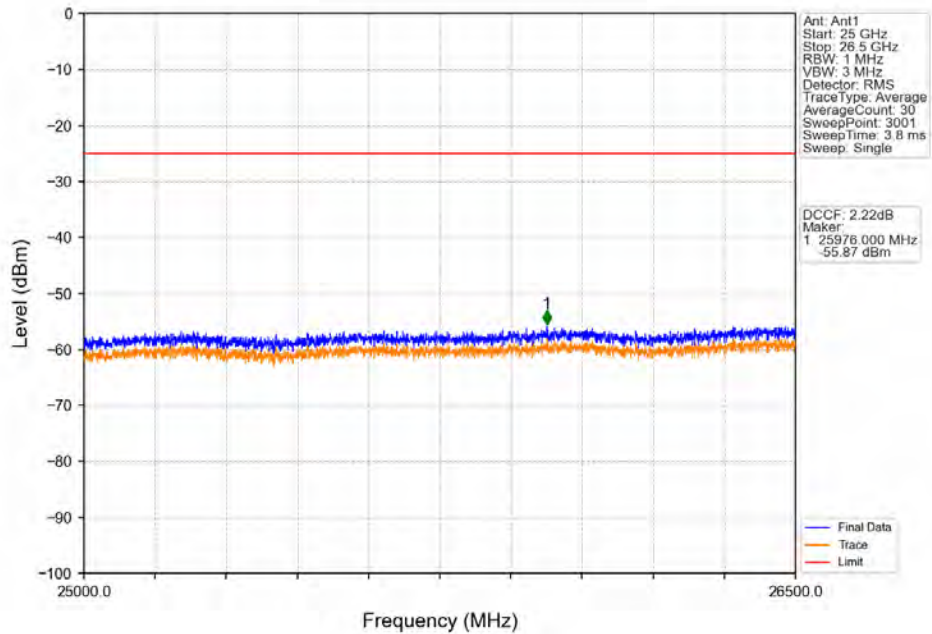
Band41_15MHz_16QAM_HCH_2642.5MHz_RB_1_0_NTNV



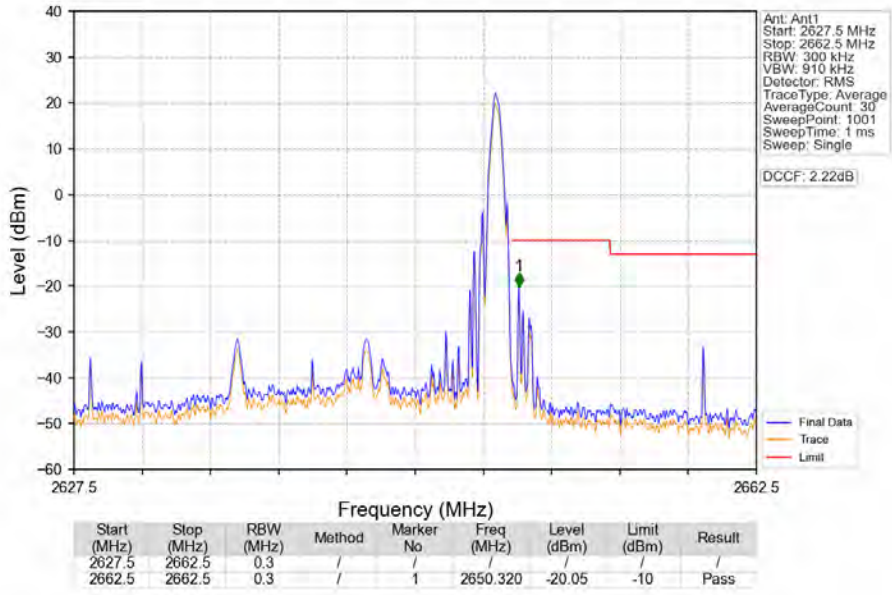
Band41_15MHz_16QAM_HCH_2642.5MHz_RB_1_0_NTNV



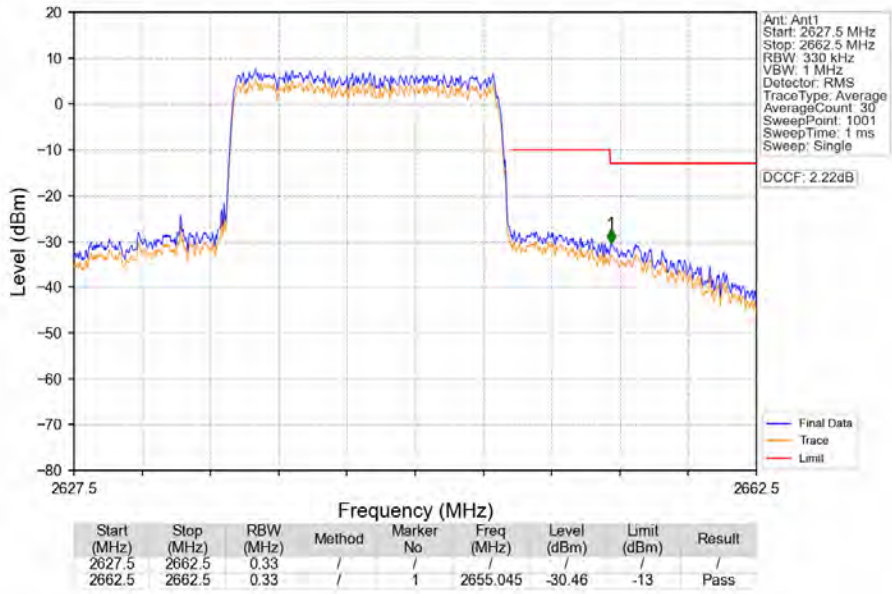
Band41_15MHz_16QAM_HCH_2642.5MHz_RB_1_0_NTNV



Band41_15MHz_16QAM_HCH_2642.5MHz_RB_1_74_NTNV



Band41_15MHz_16QAM_HCH_2642.5MHz_RB_75_0_NTNV

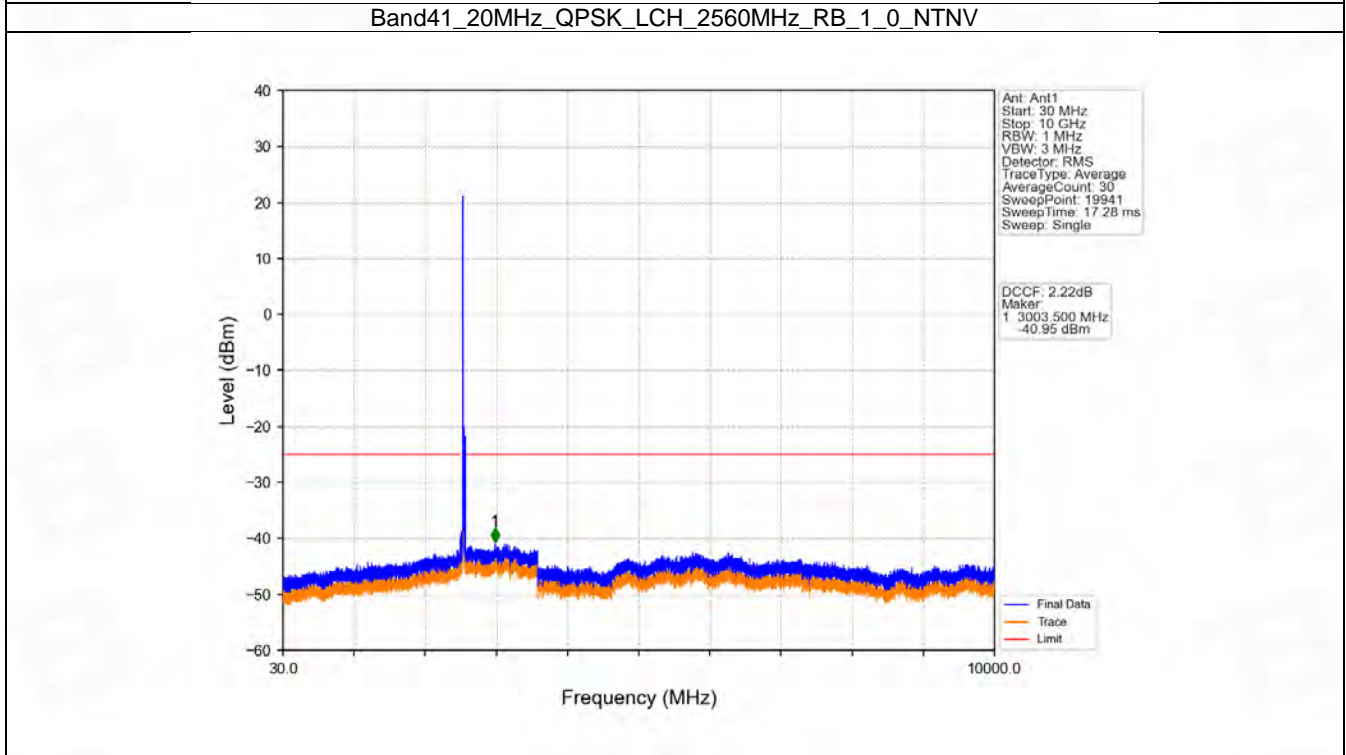
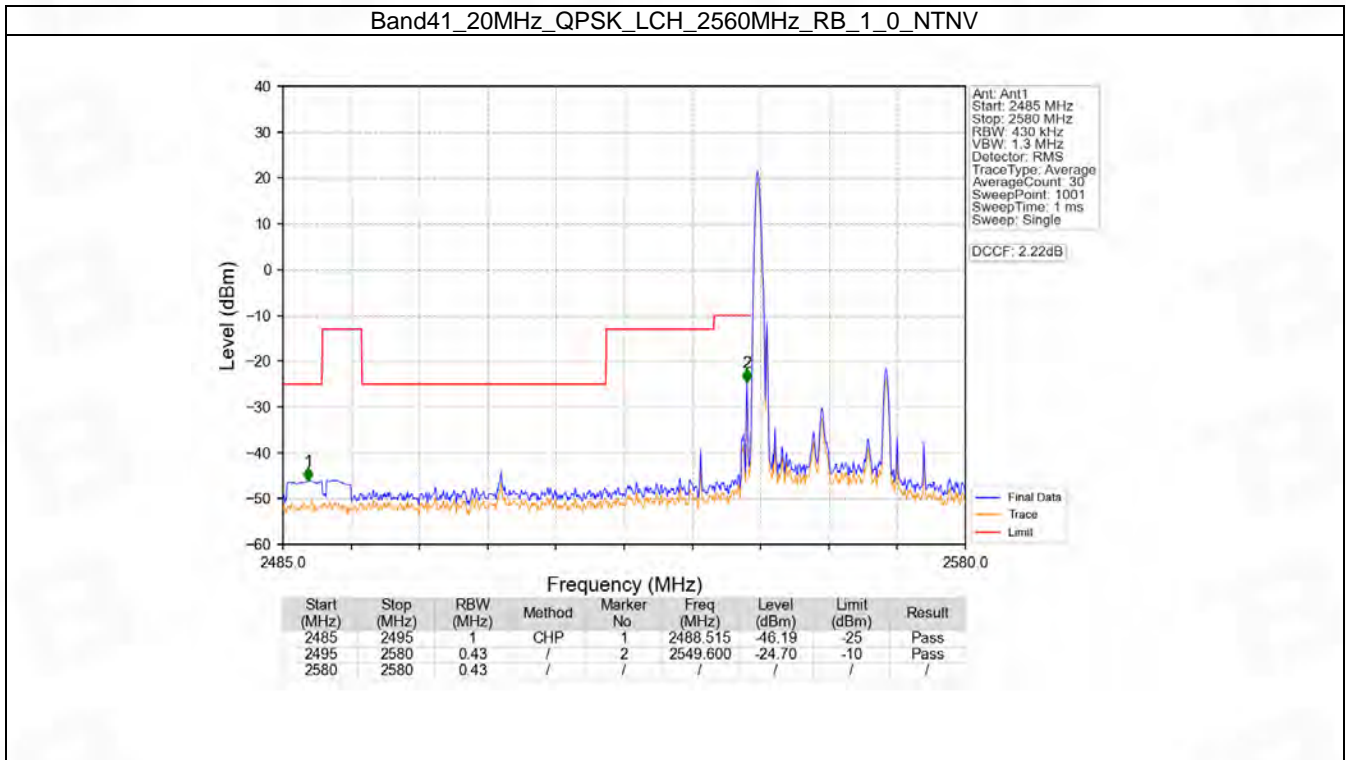


6.4 B41_20MHz

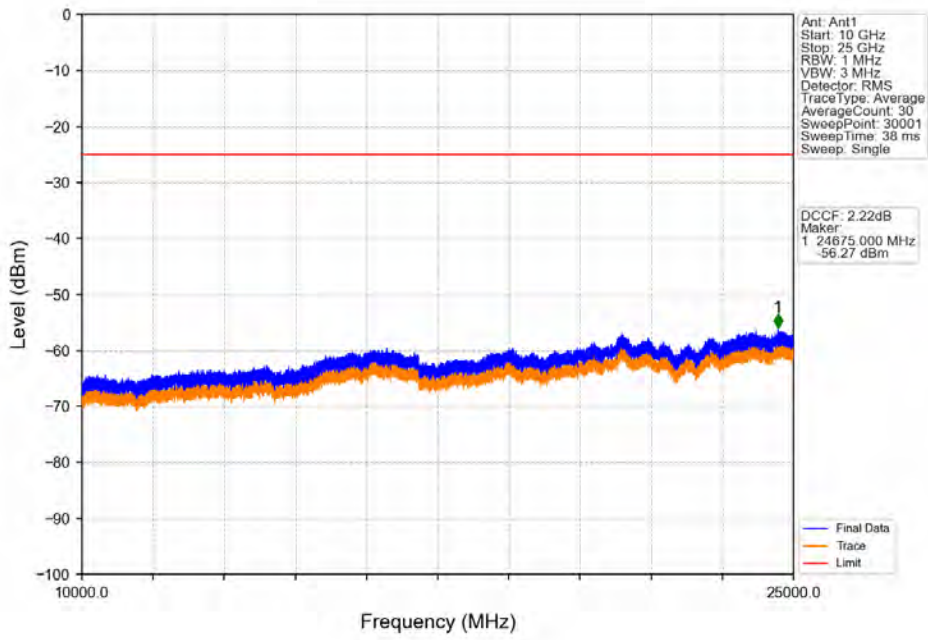
6.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2640	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	2560	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2640	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

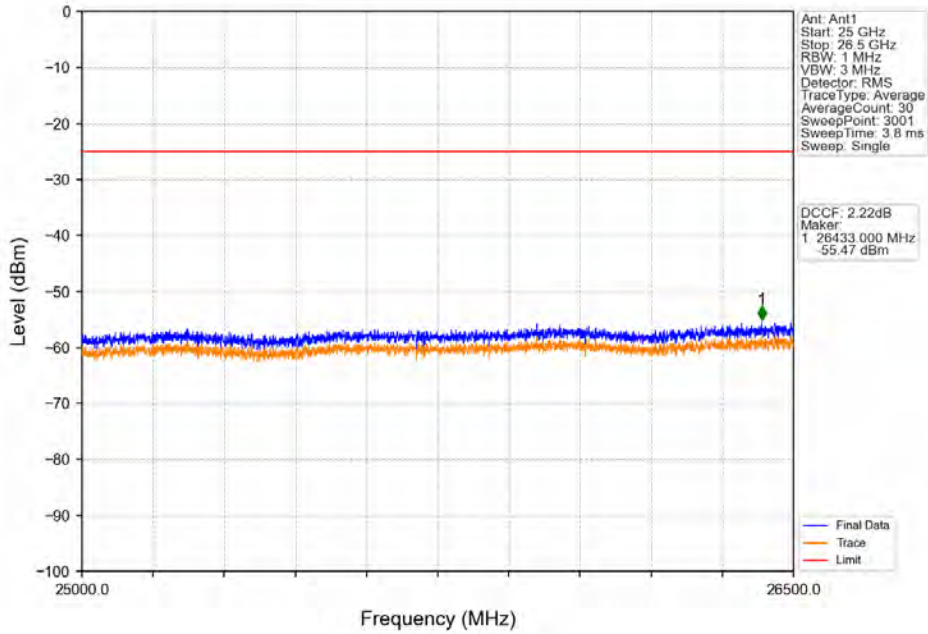
6.4.2 Test Graph



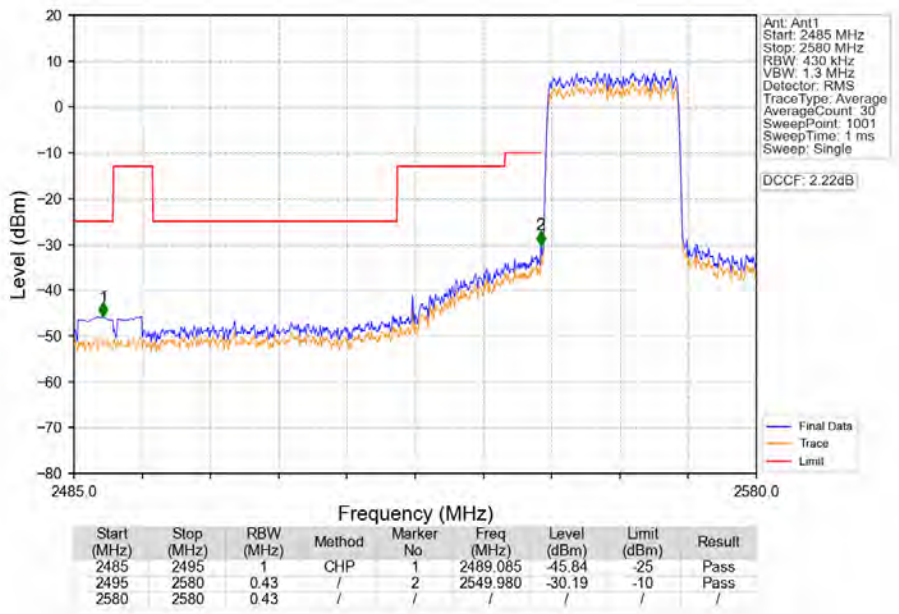
Band41_20MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



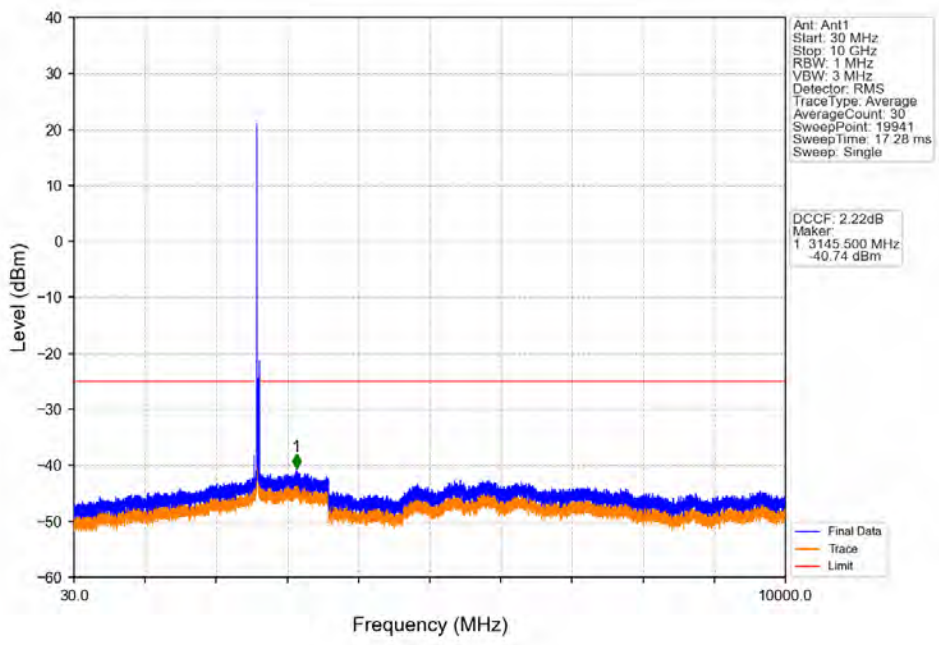
Band41_20MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



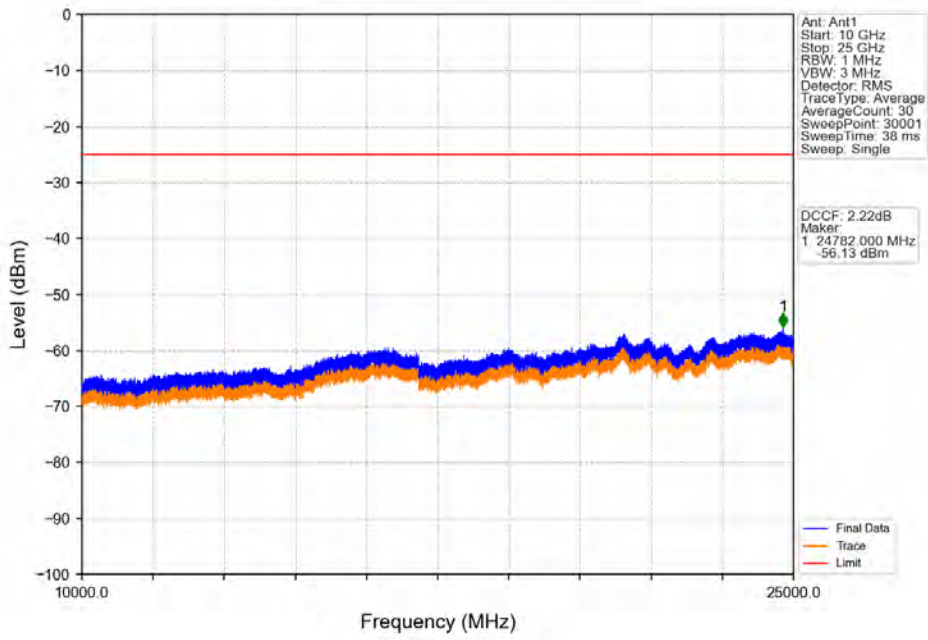
Band41_20MHz_QPSK_LCH_2560MHz_RB_100_0_NTNV



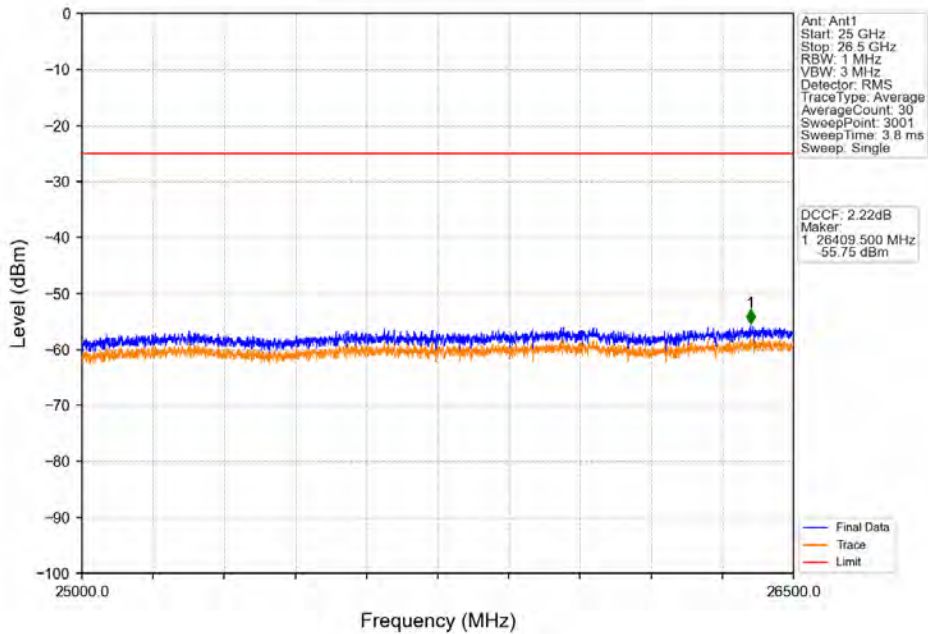
Band41_20MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



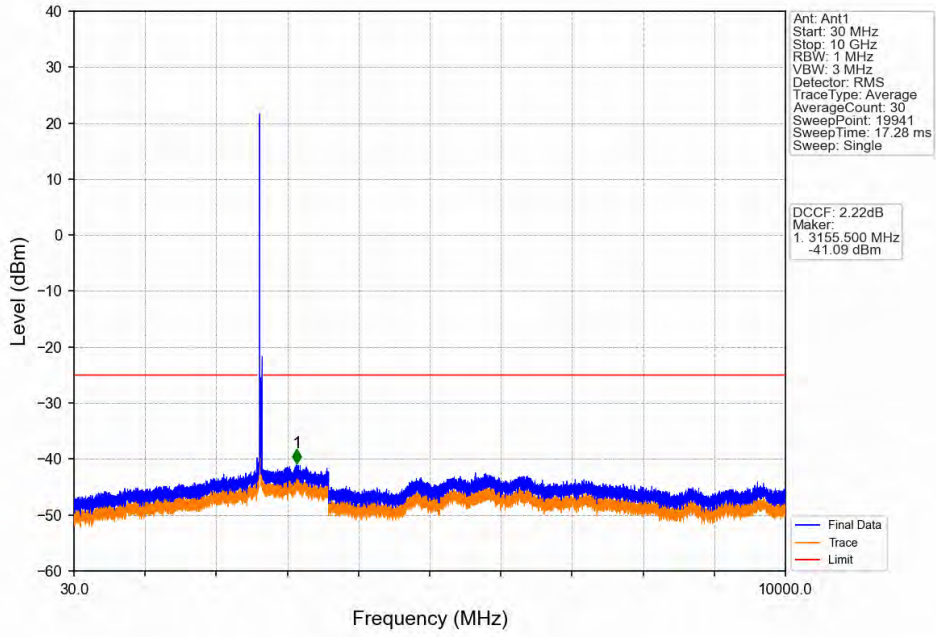
Band41_20MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



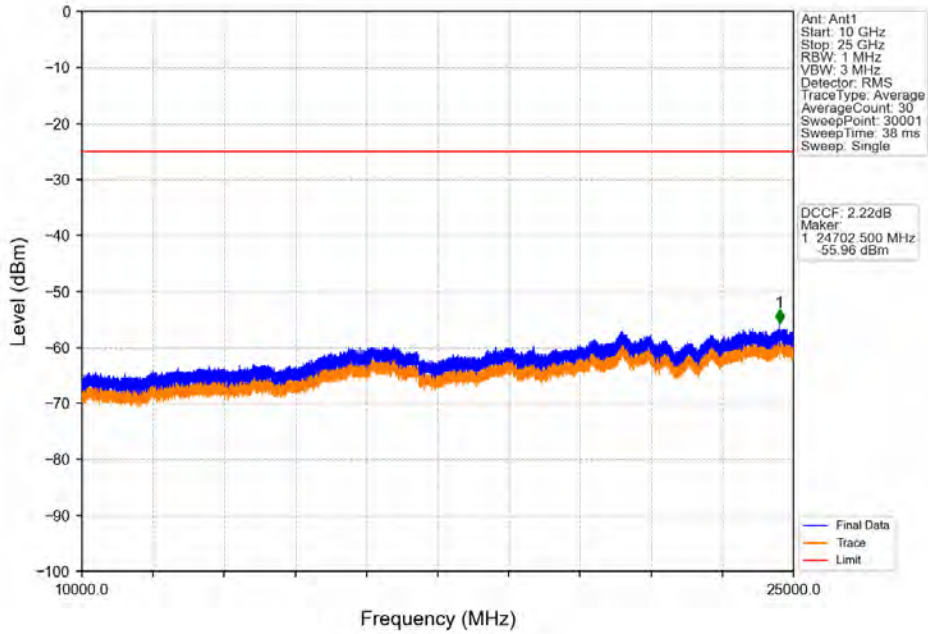
Band41_20MHz_QPSK_MCH_2600MHz_RB_1_0_NTNV



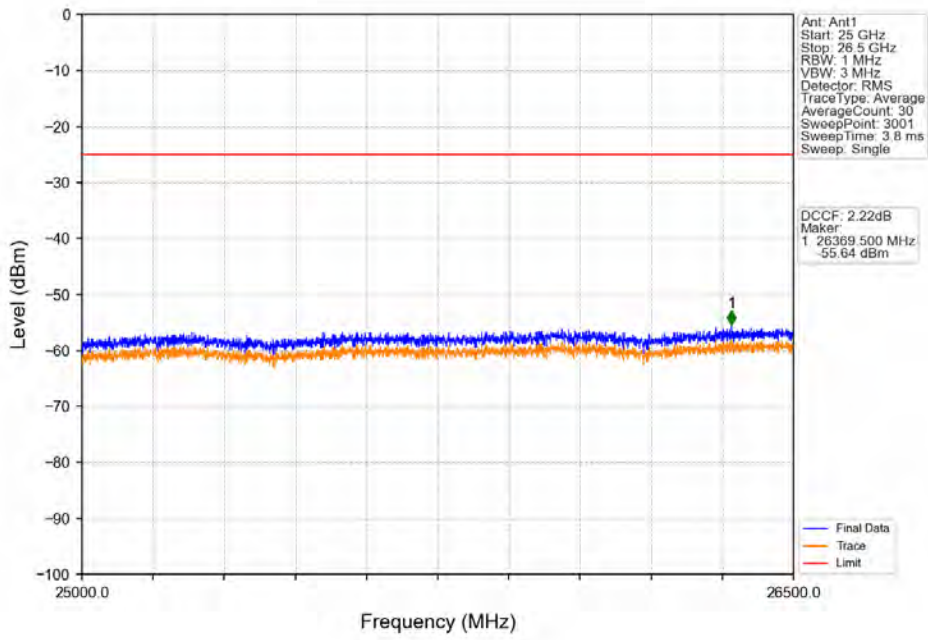
Band41_20MHz_QPSK_HCH_2640MHz_RB_1_0_NTNV



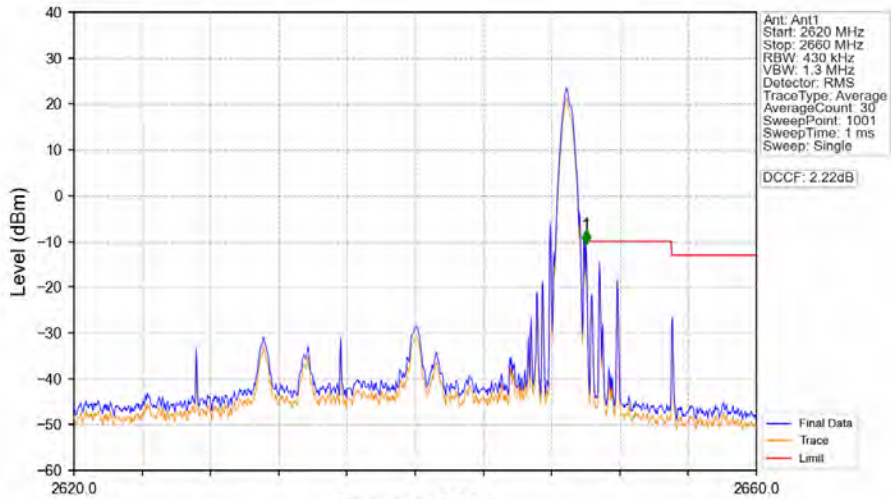
Band41_20MHz_QPSK_HCH_2640MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_HCH_2640MHz_RB_1_0_NTNV

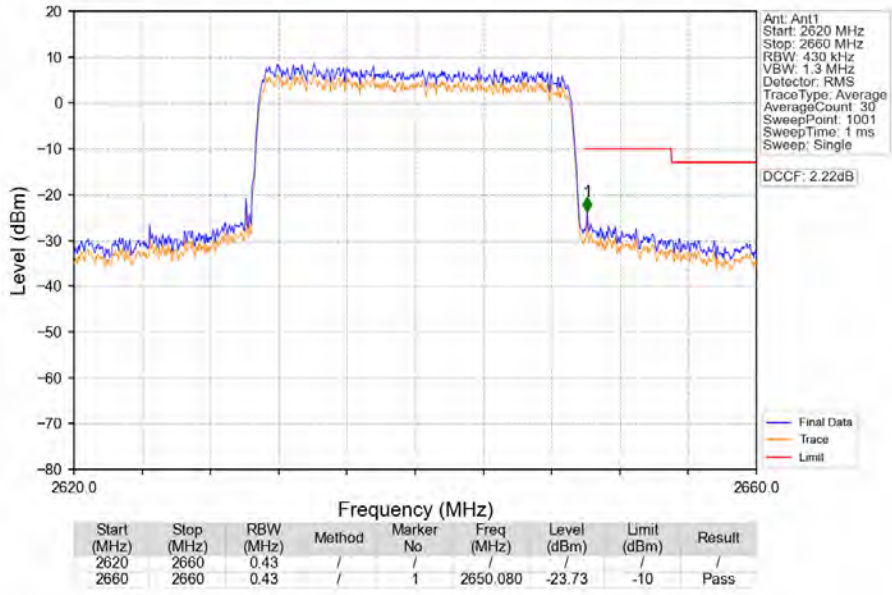


Band41_20MHz_QPSK_HCH_2640MHz_RB_1_99_NTNV

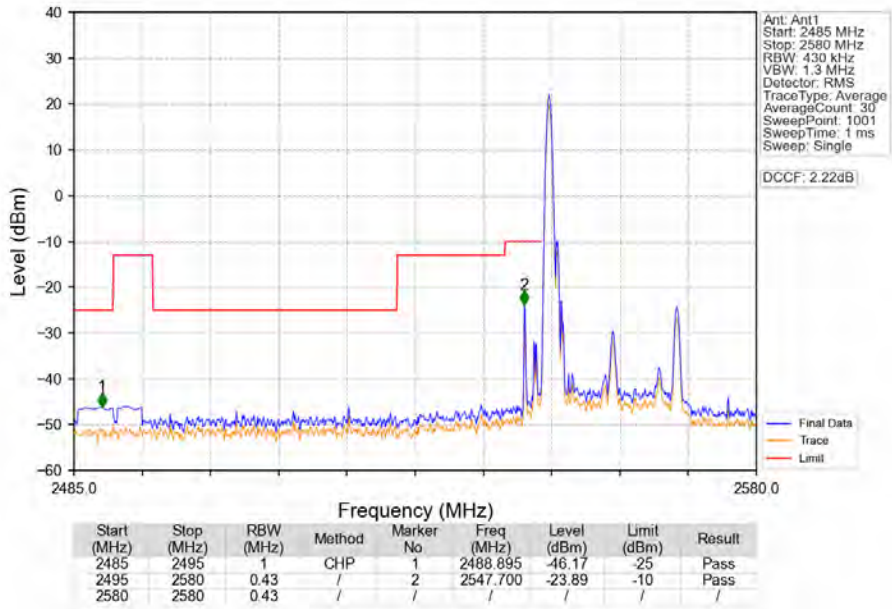


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2620	2660	0.43	/	/	/	/	/	/
2660	2660	0.43	/	1	2650.000	-10.68	-10	Pass

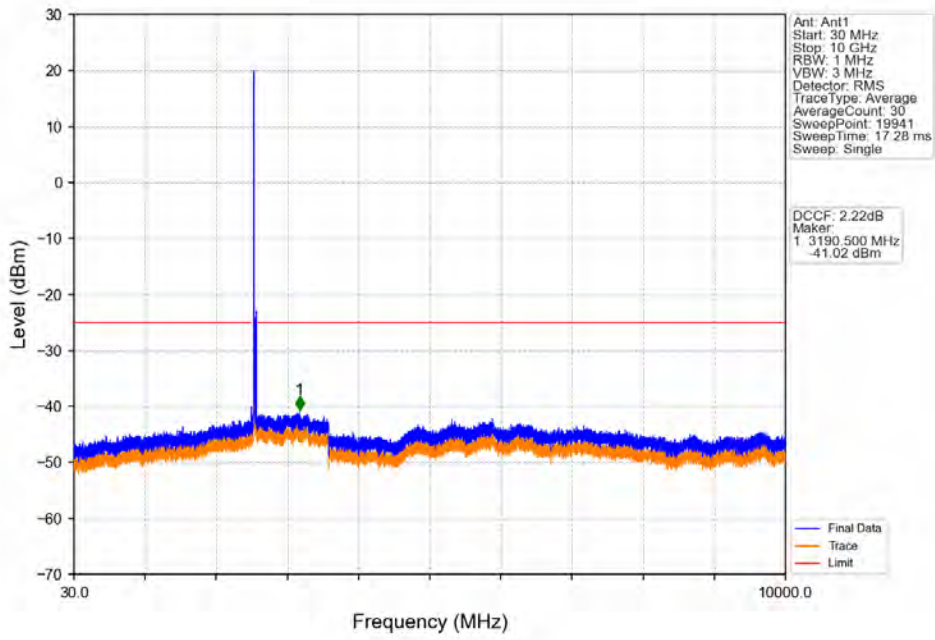
Band41_20MHz_QPSK_HCH_2640MHz_RB_100_0_NTNV



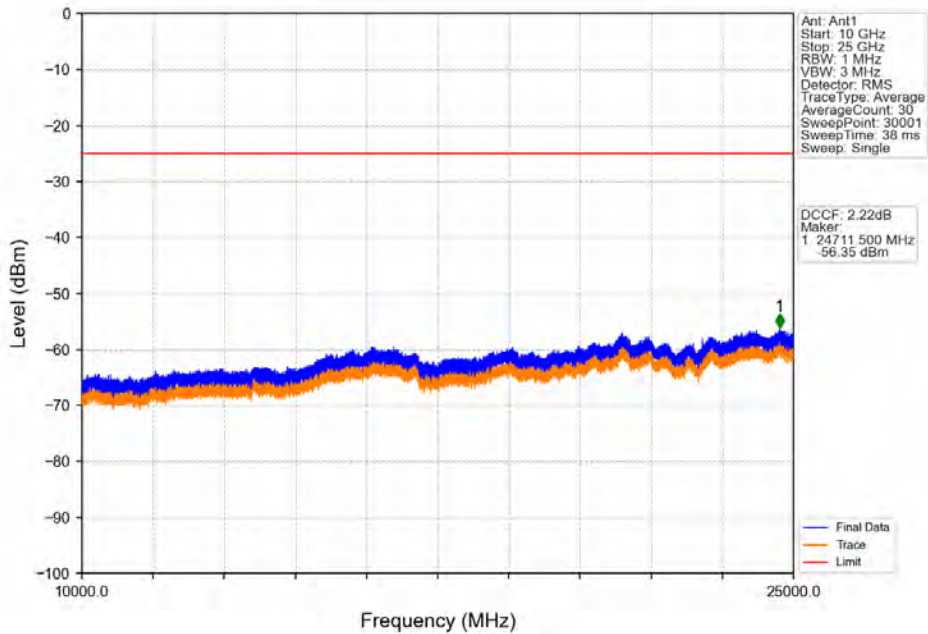
Band41_20MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



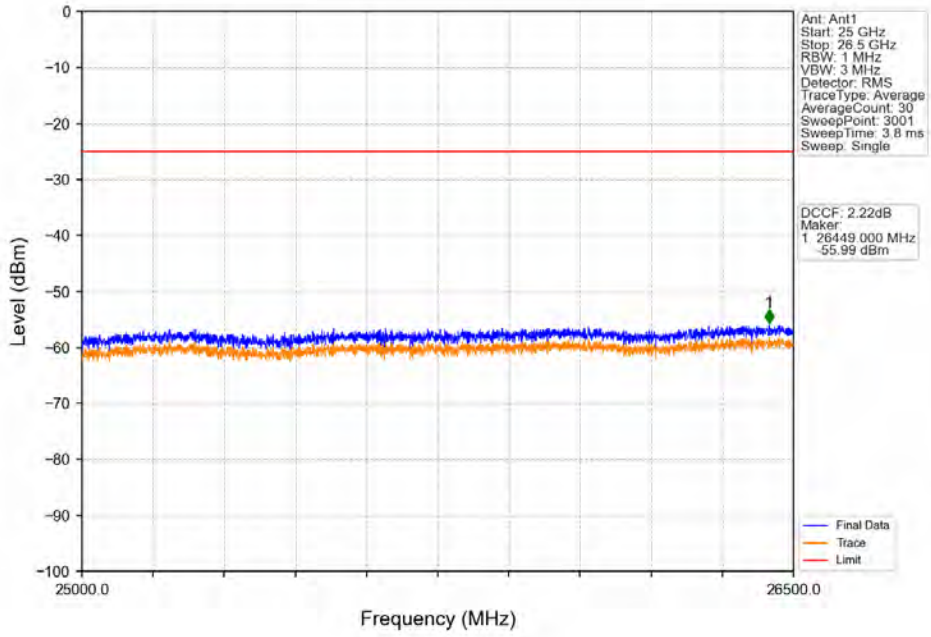
Band41_20MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



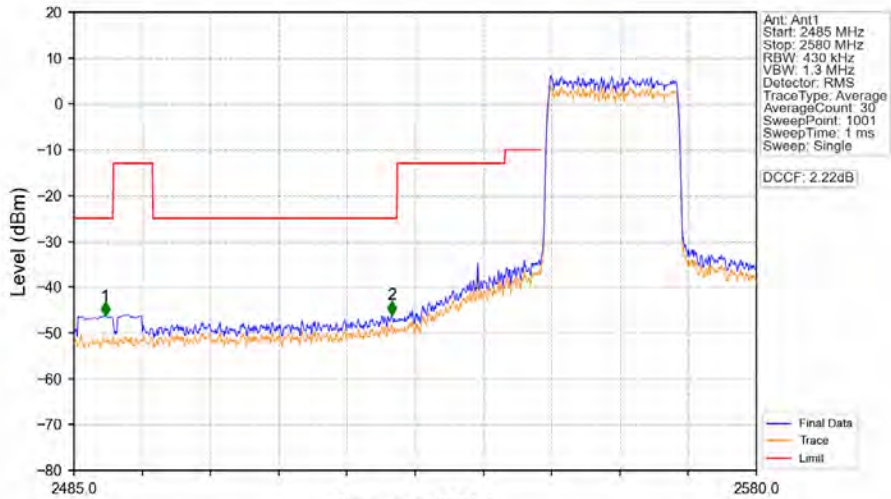
Band41_20MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



Band41_20MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV

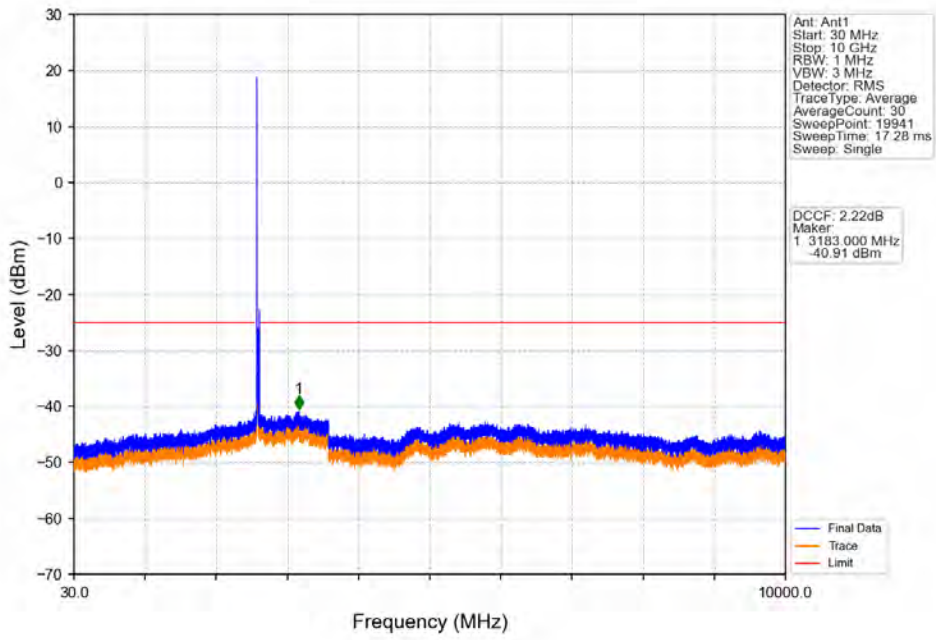


Band41_20MHz_16QAM_LCH_2560MHz_RB_100_0_NTNV

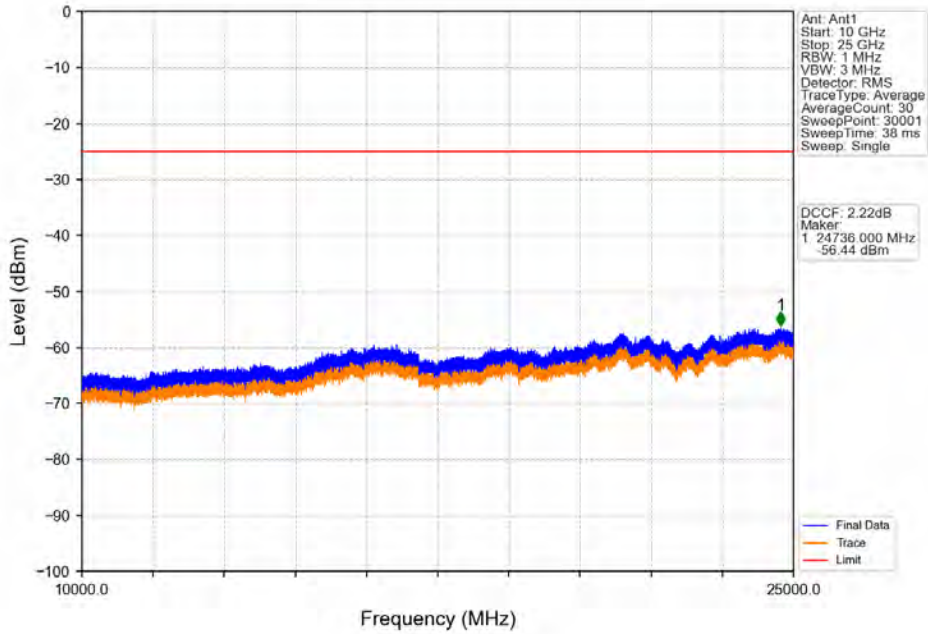


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2489.370	-46.28	-25	Pass
2495	2580	0.43	/	2	2529.270	-46.06	-25	Pass
2580	2580	0.43	/	/	/	/	/	/

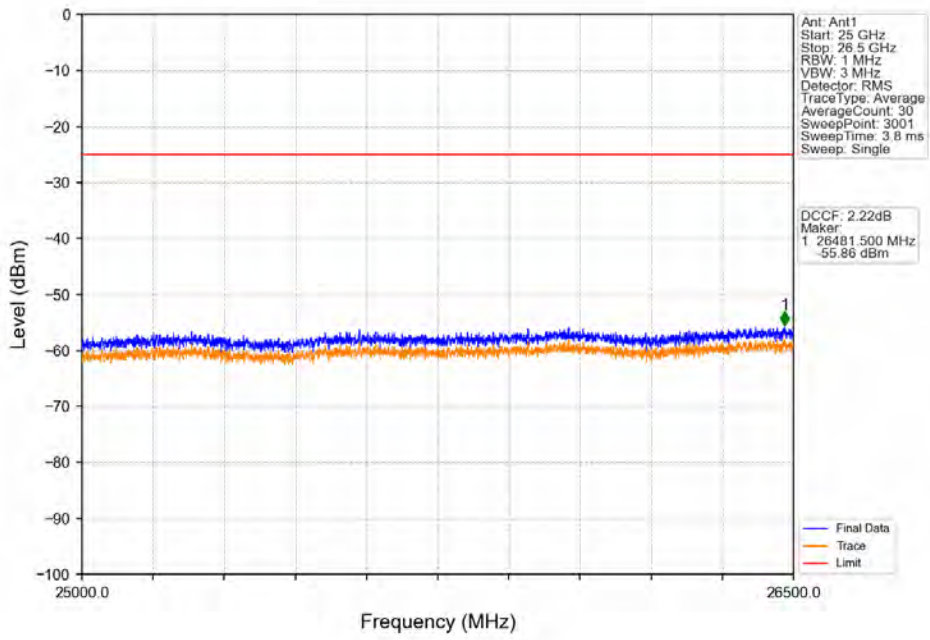
Band41_20MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



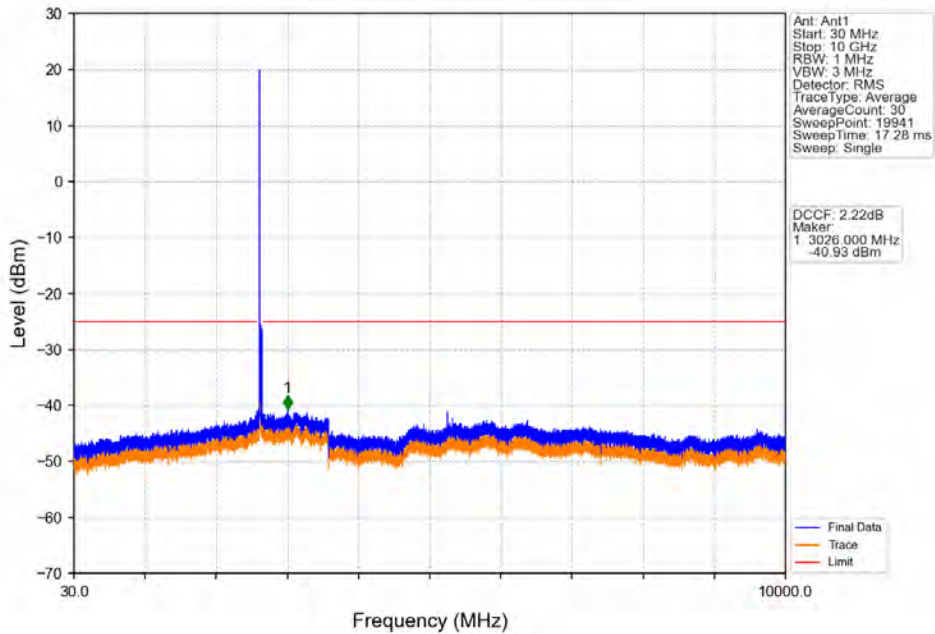
Band41_20MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



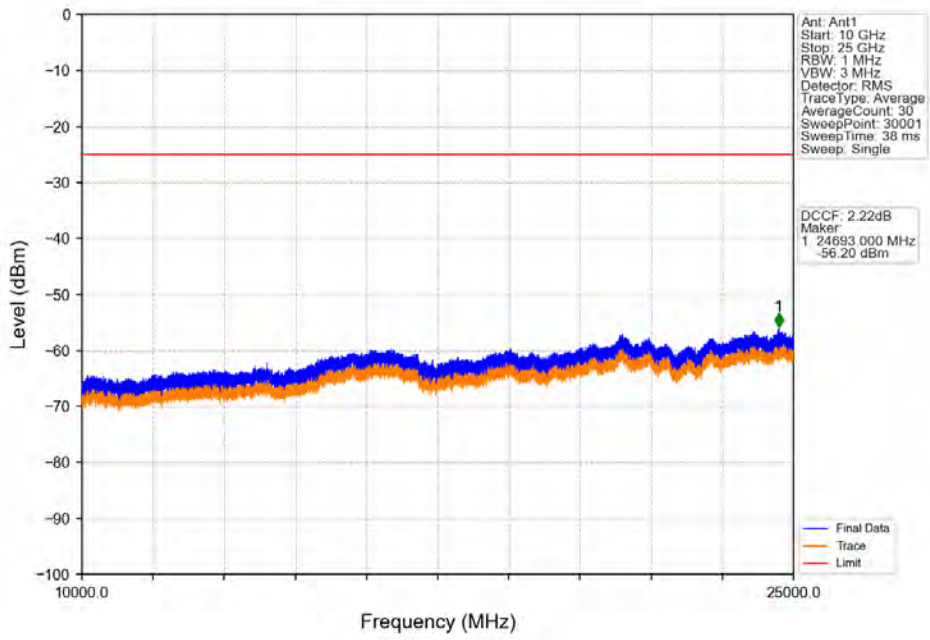
Band41_20MHz_16QAM_MCH_2600MHz_RB_1_0_NTNV



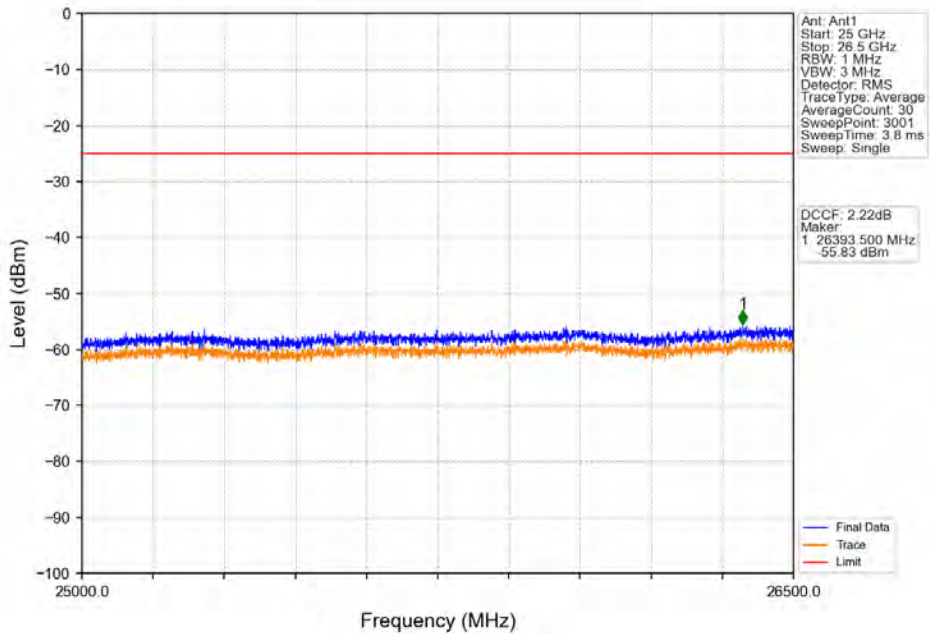
Band41_20MHz_16QAM_HCH_2640MHz_RB_1_0_NTNV



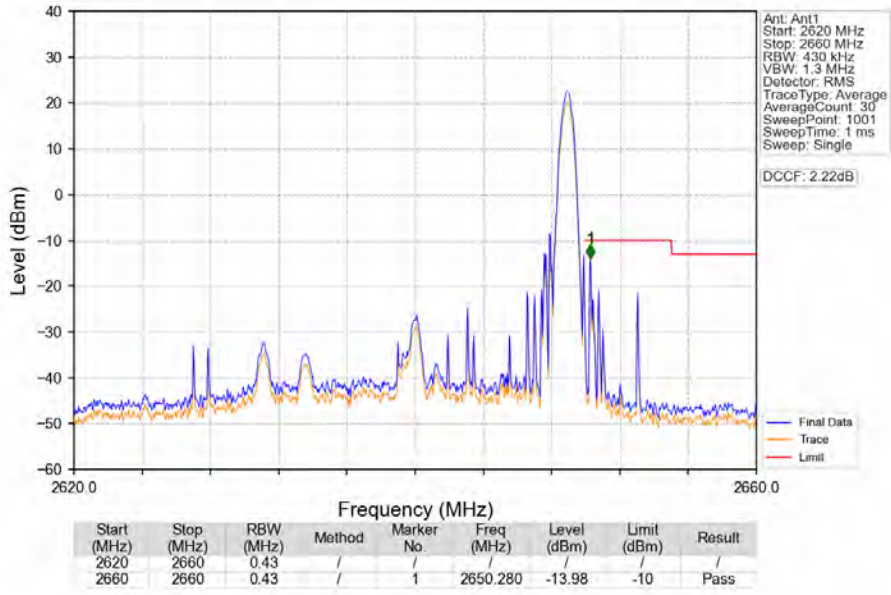
Band41_20MHz_16QAM_HCH_2640MHz_RB_1_0_NTNV



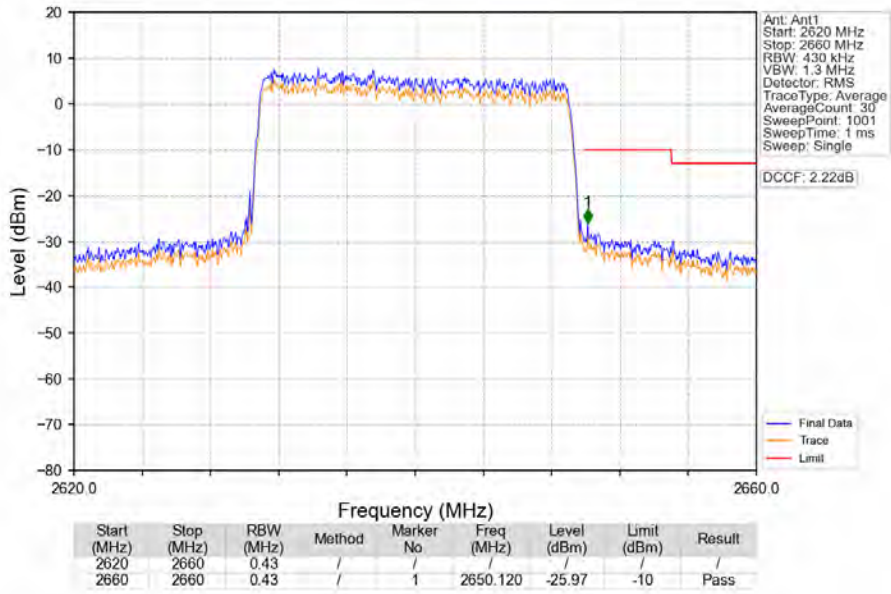
Band41_20MHz_16QAM_HCH_2640MHz_RB_1_0_NTNV



Band41_20MHz_16QAM_HCH_2640MHz_RB_1_99_NTNV



Band41_20MHz_16QAM_HCH_2640MHz_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	2552.5	2647.5	0.2198	0.0176	ppm	4M58G7D	27M	23.42
41	5	2552.5	2647.5	0.1762	0.0184	ppm	4M60W7D	27M	22.46
41	10	2555	2645	0.2286	0.0181	ppm	9M12G7D	27M	23.59
41	10	2555	2645	0.1828	0.0190	ppm	9M09W7D	27M	22.62
41	15	2557.5	2642.5	0.2123	0.0188	ppm	13M6G7D	27M	23.27
41	15	2557.5	2642.5	0.1667	0.0175	ppm	13M7W7D	27M	22.22
41	20	2560	2640	0.2133	0.0219	ppm	18M2G7D	27M	23.29
41	20	2560	2640	0.1698	0.0187	ppm	18M2W7D	27M	22.30

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	2552.5	2647.5	0.2844	0.0176	ppm	4M58G7D	27M	24.54
41	5	2552.5	2647.5	0.2280	0.0184	ppm	4M60W7D	27M	23.58
41	10	2555	2645	0.2958	0.0181	ppm	9M12G7D	27M	24.71
41	10	2555	2645	0.2366	0.0190	ppm	9M09W7D	27M	23.74
41	15	2557.5	2642.5	0.2748	0.0188	ppm	13M6G7D	27M	24.39
41	15	2557.5	2642.5	0.2158	0.0175	ppm	13M7W7D	27M	23.34
41	20	2560	2640	0.2761	0.0219	ppm	18M2G7D	27M	24.41
41	20	2560	2640	0.2198	0.0187	ppm	18M2W7D	27M	23.42