

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 B7\_5MHz\_EIRP

### 1.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2502.5	1	0	21.47	-1.70	19.77	<=33.01	Pass		
			13	21.60	-1.70	19.90	<=33.01	Pass		
			24	21.43	-1.70	19.73	<=33.01	Pass		
		12	0	20.45	-1.70	18.75	<=33.01	Pass		
			6	20.52	-1.70	18.82	<=33.01	Pass		
			13	20.54	-1.70	18.84	<=33.01	Pass		
		25	0	20.48	-1.70	18.78	<=33.01	Pass		
		2535	1	0	20.78	-1.70	19.08	<=33.01	Pass	
				13	20.88	-1.70	19.18	<=33.01	Pass	
	24			20.73	-1.70	19.03	<=33.01	Pass		
	12		0	19.77	-1.70	18.07	<=33.01	Pass		
			6	19.83	-1.70	18.13	<=33.01	Pass		
			13	19.82	-1.70	18.12	<=33.01	Pass		
	25		0	19.80	-1.70	18.10	<=33.01	Pass		
	2567.5		1	0	20.41	-1.70	18.71	<=33.01	Pass	
				13	20.51	-1.70	18.81	<=33.01	Pass	
		24		20.43	-1.70	18.73	<=33.01	Pass		
		12	0	19.42	-1.70	17.72	<=33.01	Pass		
			6	19.51	-1.70	17.81	<=33.01	Pass		
			13	19.47	-1.70	17.77	<=33.01	Pass		
		25	0	19.46	-1.70	17.76	<=33.01	Pass		
		16QAM	2502.5	1	0	20.31	-1.70	18.61	<=33.01	Pass
					13	20.41	-1.70	18.71	<=33.01	Pass
	24				20.28	-1.70	18.58	<=33.01	Pass	
12	0			19.43	-1.70	17.73	<=33.01	Pass		
	6			19.52	-1.70	17.82	<=33.01	Pass		
	13			19.50	-1.70	17.80	<=33.01	Pass		
25	0			19.52	-1.70	17.82	<=33.01	Pass		
2535	1			0	19.87	-1.70	18.17	<=33.01	Pass	
				13	19.97	-1.70	18.27	<=33.01	Pass	
			24	19.87	-1.70	18.17	<=33.01	Pass		
	12		0	18.77	-1.70	17.07	<=33.01	Pass		
			6	18.84	-1.70	17.14	<=33.01	Pass		
			13	18.81	-1.70	17.11	<=33.01	Pass		
	25		0	18.88	-1.70	17.18	<=33.01	Pass		
	2567.5		1	0	19.69	-1.70	17.99	<=33.01	Pass	
				13	19.81	-1.70	18.11	<=33.01	Pass	
24				19.65	-1.70	17.95	<=33.01	Pass		
12			0	18.52	-1.70	16.82	<=33.01	Pass		
			6	18.54	-1.70	16.84	<=33.01	Pass		
			13	18.51	-1.70	16.81	<=33.01	Pass		
25			0	18.54	-1.70	16.84	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.2 B7\_10MHz\_EIRP

### 1.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2505	1	0	21.58	-1.70	19.88	<=33.01	Pass		
			25	21.55	-1.70	19.85	<=33.01	Pass		
			49	21.46	-1.70	19.76	<=33.01	Pass		
		25	0	20.40	-1.70	18.70	<=33.01	Pass		
			13	20.50	-1.70	18.80	<=33.01	Pass		
			25	20.45	-1.70	18.75	<=33.01	Pass		
		50	0	20.46	-1.70	18.76	<=33.01	Pass		
		2535	1	0	20.86	-1.70	19.16	<=33.01	Pass	
				25	20.88	-1.70	19.18	<=33.01	Pass	
	49			20.76	-1.70	19.06	<=33.01	Pass		
	25		0	19.79	-1.70	18.09	<=33.01	Pass		
			13	19.85	-1.70	18.15	<=33.01	Pass		
			25	19.92	-1.70	18.22	<=33.01	Pass		
	50		0	19.89	-1.70	18.19	<=33.01	Pass		
	2565		1	0	20.55	-1.70	18.85	<=33.01	Pass	
				25	20.57	-1.70	18.87	<=33.01	Pass	
		49		20.52	-1.70	18.82	<=33.01	Pass		
		25	0	19.57	-1.70	17.87	<=33.01	Pass		
			13	19.57	-1.70	17.87	<=33.01	Pass		
			25	19.51	-1.70	17.81	<=33.01	Pass		
		50	0	19.56	-1.70	17.86	<=33.01	Pass		
		16QAM	2505	1	0	20.55	-1.70	18.85	<=33.01	Pass
					25	20.52	-1.70	18.82	<=33.01	Pass
	49				20.41	-1.70	18.71	<=33.01	Pass	
25	0			19.51	-1.70	17.81	<=33.01	Pass		
	13			19.62	-1.70	17.92	<=33.01	Pass		
	25			19.51	-1.70	17.81	<=33.01	Pass		
50	0			19.47	-1.70	17.77	<=33.01	Pass		
2535	1			0	20.06	-1.70	18.36	<=33.01	Pass	
				25	20.08	-1.70	18.38	<=33.01	Pass	
			49	19.95	-1.70	18.25	<=33.01	Pass		
	25		0	18.86	-1.70	17.16	<=33.01	Pass		
			13	18.95	-1.70	17.25	<=33.01	Pass		
			25	18.95	-1.70	17.25	<=33.01	Pass		
	50		0	18.91	-1.70	17.21	<=33.01	Pass		
	2565		1	0	20.08	-1.70	18.38	<=33.01	Pass	
				25	20.12	-1.70	18.42	<=33.01	Pass	
49				20.00	-1.70	18.30	<=33.01	Pass		
25			0	18.63	-1.70	16.93	<=33.01	Pass		
			13	18.63	-1.70	16.93	<=33.01	Pass		
			25	18.63	-1.70	16.93	<=33.01	Pass		
50			0	18.59	-1.70	16.89	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

### 1.3 B7\_15MHz\_EIRP

#### 1.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTN
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2507.5	1	0	21.49	-1.70	19.79	<=33.01	Pass		
			38	21.51	-1.70	19.81	<=33.01	Pass		
			74	21.26	-1.70	19.56	<=33.01	Pass		
		36	0	20.47	-1.70	18.77	<=33.01	Pass		
			18	20.50	-1.70	18.80	<=33.01	Pass		
			39	20.39	-1.70	18.69	<=33.01	Pass		
		75	0	20.45	-1.70	18.75	<=33.01	Pass		
		2535	1	0	20.85	-1.70	19.15	<=33.01	Pass	
				38	20.89	-1.70	19.19	<=33.01	Pass	
	74			20.74	-1.70	19.04	<=33.01	Pass		
	36		0	19.85	-1.70	18.15	<=33.01	Pass		
			18	19.91	-1.70	18.21	<=33.01	Pass		
			39	19.89	-1.70	18.19	<=33.01	Pass		
	75		0	19.93	-1.70	18.23	<=33.01	Pass		
	2562.5		1	0	20.55	-1.70	18.85	<=33.01	Pass	
				38	20.60	-1.70	18.90	<=33.01	Pass	
		74		20.46	-1.70	18.76	<=33.01	Pass		
		36	0	19.63	-1.70	17.93	<=33.01	Pass		
			18	19.62	-1.70	17.92	<=33.01	Pass		
			39	19.57	-1.70	17.87	<=33.01	Pass		
		75	0	19.64	-1.70	17.94	<=33.01	Pass		
		16QAM	2507.5	1	0	20.78	-1.70	19.08	<=33.01	Pass
					38	20.74	-1.70	19.04	<=33.01	Pass
	74				20.51	-1.70	18.81	<=33.01	Pass	
36	0			19.39	-1.70	17.69	<=33.01	Pass		
	18			19.43	-1.70	17.73	<=33.01	Pass		
	39			19.34	-1.70	17.64	<=33.01	Pass		
75	0			19.36	-1.70	17.66	<=33.01	Pass		
2535	1			0	20.03	-1.70	18.33	<=33.01	Pass	
				38	20.04	-1.70	18.34	<=33.01	Pass	
			74	19.88	-1.70	18.18	<=33.01	Pass		
	36		0	18.84	-1.70	17.14	<=33.01	Pass		
			18	18.92	-1.70	17.22	<=33.01	Pass		
			39	18.89	-1.70	17.19	<=33.01	Pass		
	75		0	18.92	-1.70	17.22	<=33.01	Pass		
	2562.5		1	0	20.03	-1.70	18.33	<=33.01	Pass	
				38	20.11	-1.70	18.41	<=33.01	Pass	
74				19.94	-1.70	18.24	<=33.01	Pass		
36			0	18.68	-1.70	16.98	<=33.01	Pass		
			18	18.64	-1.70	16.94	<=33.01	Pass		
			39	18.58	-1.70	16.88	<=33.01	Pass		
75			0	18.60	-1.70	16.90	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 1.4 B7\_20MHz\_EIRP

### 1.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2510	1	0	21.34	-1.70	19.64	<=33.01	Pass
			50	21.39	-1.70	19.69	<=33.01	Pass

		50	99	21.08	-1.70	19.38	<=33.01	Pass		
			0	20.36	-1.70	18.66	<=33.01	Pass		
			25	20.42	-1.70	18.72	<=33.01	Pass		
		100	50	50	20.16	-1.70	18.46	<=33.01	Pass	
				0	20.27	-1.70	18.57	<=33.01	Pass	
				25	20.81	-1.70	19.11	<=33.01	Pass	
		2535	1	50	0	20.91	-1.70	19.21	<=33.01	Pass
					99	20.68	-1.70	18.98	<=33.01	Pass
					0	19.78	-1.70	18.08	<=33.01	Pass
	50		100	25	19.94	-1.70	18.24	<=33.01	Pass	
				50	19.91	-1.70	18.21	<=33.01	Pass	
				0	19.86	-1.70	18.16	<=33.01	Pass	
	2560		1	50	0	20.49	-1.70	18.79	<=33.01	Pass
					50	20.60	-1.70	18.90	<=33.01	Pass
					99	20.41	-1.70	18.71	<=33.01	Pass
		50	100	0	19.68	-1.70	17.98	<=33.01	Pass	
				25	19.61	-1.70	17.91	<=33.01	Pass	
				50	19.50	-1.70	17.80	<=33.01	Pass	
		100	50	0	19.58	-1.70	17.88	<=33.01	Pass	
				99	19.19	-1.70	17.19	<=33.01	Pass	
				0	20.89	-1.70	19.19	<=33.01	Pass	
	16QAM	2510	1	50	20.88	-1.70	19.18	<=33.01	Pass	
				99	20.57	-1.70	18.87	<=33.01	Pass	
				0	19.32	-1.70	17.62	<=33.01	Pass	
			50	100	25	19.38	-1.70	17.68	<=33.01	Pass
					50	19.16	-1.70	17.46	<=33.01	Pass
					0	19.24	-1.70	17.54	<=33.01	Pass
2535			1	50	0	20.03	-1.70	18.33	<=33.01	Pass
					50	20.10	-1.70	18.40	<=33.01	Pass
					99	19.83	-1.70	18.13	<=33.01	Pass
		50	100	0	18.80	-1.70	17.10	<=33.01	Pass	
				25	18.90	-1.70	17.20	<=33.01	Pass	
				50	18.91	-1.70	17.21	<=33.01	Pass	
		100	50	0	18.88	-1.70	17.18	<=33.01	Pass	
				99	19.74	-1.70	18.04	<=33.01	Pass	
				50	19.89	-1.70	18.19	<=33.01	Pass	
2560		1	50	99	19.64	-1.70	17.94	<=33.01	Pass	
				0	18.68	-1.70	16.98	<=33.01	Pass	
				25	18.63	-1.70	16.93	<=33.01	Pass	
		50	100	50	18.50	-1.70	16.80	<=33.01	Pass	
				0	18.62	-1.70	16.92	<=33.01	Pass	
				99	19.64	-1.70	17.94	<=33.01	Pass	
		100	50	0	18.68	-1.70	16.98	<=33.01	Pass	
				25	18.63	-1.70	16.93	<=33.01	Pass	
				50	18.50	-1.70	16.80	<=33.01	Pass	
100		50	0	18.62	-1.70	16.92	<=33.01	Pass		
			99	19.64	-1.70	17.94	<=33.01	Pass		
			0	18.68	-1.70	16.98	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 B7\_5MHz

#### 2.1.1 Test Result

Band: 7 / Bandwidth: 5MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	2502.5	25	0	20	3.23	0.958	0.0004	-2.5 to 2.5	Pass				
									3.8	2.346	0.0009	-2.5 to 2.5	Pass
									4.37	6.151	0.0025	-2.5 to 2.5	Pass

				-30	3.8	-1.287	-0.0005	-2.5 to 2.5	Pass			
				-20	3.8	1.745	0.0007	-2.5 to 2.5	Pass			
				-10	3.8	8.011	0.0032	-2.5 to 2.5	Pass			
				0	3.8	5.937	0.0024	-2.5 to 2.5	Pass			
				10	3.8	2.975	0.0012	-2.5 to 2.5	Pass			
				30	3.8	4.535	0.0018	-2.5 to 2.5	Pass			
				40	3.8	6.166	0.0025	-2.5 to 2.5	Pass			
	50	3.8	2.203	0.0009	-2.5 to 2.5	Pass						
	2535	25	0	20	3.23	1.702	0.0007	-2.5 to 2.5	Pass			
					3.8	3.419	0.0013	-2.5 to 2.5	Pass			
					4.37	1.802	0.0007	-2.5 to 2.5	Pass			
				-30	3.8	-1.116	-0.0004	-2.5 to 2.5	Pass			
				-20	3.8	-1.688	-0.0007	-2.5 to 2.5	Pass			
				-10	3.8	3.633	0.0014	-2.5 to 2.5	Pass			
				0	3.8	1.230	0.0005	-2.5 to 2.5	Pass			
		10	3.8	-1.144	-0.0005	-2.5 to 2.5	Pass					
		30	3.8	0.672	0.0003	-2.5 to 2.5	Pass					
		40	3.8	3.147	0.0012	-2.5 to 2.5	Pass					
		50	3.8	3.419	0.0013	-2.5 to 2.5	Pass					
		2567.5	25	0	20	3.23	-5.407	-0.0021	-2.5 to 2.5	Pass		
						3.8	-3.591	-0.0014	-2.5 to 2.5	Pass		
						4.37	-11.058	-0.0043	-2.5 to 2.5	Pass		
	-30				3.8	-7.668	-0.0030	-2.5 to 2.5	Pass			
	-20				3.8	-6.995	-0.0027	-2.5 to 2.5	Pass			
	-10				3.8	-8.841	-0.0034	-2.5 to 2.5	Pass			
	0				3.8	-4.363	-0.0017	-2.5 to 2.5	Pass			
	10	3.8	-3.319	-0.0013	-2.5 to 2.5	Pass						
30	3.8	-6.595	-0.0026	-2.5 to 2.5	Pass							
40	3.8	-1.316	-0.0005	-2.5 to 2.5	Pass							
50	3.8	-9.298	-0.0036	-2.5 to 2.5	Pass							
16QAM	2502.5	25	0	20	3.23	-2.203	-0.0009	-2.5 to 2.5	Pass			
					3.8	-0.114	0.0000	-2.5 to 2.5	Pass			
					4.37	-0.715	-0.0003	-2.5 to 2.5	Pass			
				-30	3.8	-3.533	-0.0014	-2.5 to 2.5	Pass			
				-20	3.8	0.086	0.0000	-2.5 to 2.5	Pass			
				-10	3.8	2.475	0.0010	-2.5 to 2.5	Pass			
				0	3.8	4.220	0.0017	-2.5 to 2.5	Pass			
				10	3.8	3.047	0.0012	-2.5 to 2.5	Pass			
				30	3.8	0.958	0.0004	-2.5 to 2.5	Pass			
				40	3.8	-1.602	-0.0006	-2.5 to 2.5	Pass			
				50	3.8	-0.072	0.0000	-2.5 to 2.5	Pass			
				2535	25	0	20	3.23	5.364	0.0021	-2.5 to 2.5	Pass
								3.8	2.947	0.0012	-2.5 to 2.5	Pass
								4.37	2.303	0.0009	-2.5 to 2.5	Pass
	-30	3.8	3.834				0.0015	-2.5 to 2.5	Pass			
	-20	3.8	5.078				0.0020	-2.5 to 2.5	Pass			
	-10	3.8	6.495				0.0026	-2.5 to 2.5	Pass			
	0	3.8	4.091				0.0016	-2.5 to 2.5	Pass			
	10	3.8	2.804	0.0011	-2.5 to 2.5	Pass						
	30	3.8	1.860	0.0007	-2.5 to 2.5	Pass						
	40	3.8	7.882	0.0031	-2.5 to 2.5	Pass						
	50	3.8	3.233	0.0013	-2.5 to 2.5	Pass						
	2567.5	25	0	20	3.23	4.907	0.0019	-2.5 to 2.5	Pass			
					3.8	1.831	0.0007	-2.5 to 2.5	Pass			
					4.37	3.090	0.0012	-2.5 to 2.5	Pass			
				-30	3.8	1.202	0.0005	-2.5 to 2.5	Pass			
	-20	3.8	0.072	0.0000	-2.5 to 2.5	Pass						

				-10	3.8	3.562	0.0014	-2.5 to 2.5	Pass
				0	3.8	1.187	0.0005	-2.5 to 2.5	Pass
				10	3.8	5.937	0.0023	-2.5 to 2.5	Pass
				30	3.8	6.952	0.0027	-2.5 to 2.5	Pass
				40	3.8	1.287	0.0005	-2.5 to 2.5	Pass
				50	3.8	-3.433	-0.0013	-2.5 to 2.5	Pass

## 2.2 B7\_10MHz

### 2.2.1 Test Result

Band: 7 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2505	50	0	20	3.23	-1.988	-0.0008	-2.5 to 2.5	Pass	
					3.8	1.187	0.0005	-2.5 to 2.5	Pass	
					4.37	-0.873	-0.0003	-2.5 to 2.5	Pass	
				-30	3.8	-1.817	-0.0007	-2.5 to 2.5	Pass	
					-20	3.8	-0.830	-0.0003	-2.5 to 2.5	Pass
						3.8	-3.662	-0.0015	-2.5 to 2.5	Pass
				0	3.8	-1.531	-0.0006	-2.5 to 2.5	Pass	
					10	3.8	-4.091	-0.0016	-2.5 to 2.5	Pass
				30	3.8	-0.930	-0.0004	-2.5 to 2.5	Pass	
	40	3.8	-1.945	-0.0008	-2.5 to 2.5	Pass				
	50	3.8	-1.216	-0.0005	-2.5 to 2.5	Pass				
	2535	50	0	20	3.23	2.961	0.0012	-2.5 to 2.5	Pass	
					3.8	-2.389	-0.0009	-2.5 to 2.5	Pass	
					4.37	3.190	0.0013	-2.5 to 2.5	Pass	
				-30	3.8	0.529	0.0002	-2.5 to 2.5	Pass	
					-20	3.8	0.730	0.0003	-2.5 to 2.5	Pass
						3.8	2.060	0.0008	-2.5 to 2.5	Pass
				0	3.8	1.974	0.0008	-2.5 to 2.5	Pass	
					10	3.8	-0.172	-0.0001	-2.5 to 2.5	Pass
				30	3.8	-0.830	-0.0003	-2.5 to 2.5	Pass	
	40	3.8	0.558	0.0002	-2.5 to 2.5	Pass				
	50	3.8	1.645	0.0006	-2.5 to 2.5	Pass				
	2565	50	0	20	3.23	2.804	0.0011	-2.5 to 2.5	Pass	
					3.8	-0.715	-0.0003	-2.5 to 2.5	Pass	
					4.37	-3.819	-0.0015	-2.5 to 2.5	Pass	
				-30	3.8	-0.815	-0.0003	-2.5 to 2.5	Pass	
					-20	3.8	-0.758	-0.0003	-2.5 to 2.5	Pass
3.8						-1.788	-0.0007	-2.5 to 2.5	Pass	
0				3.8	-3.920	-0.0015	-2.5 to 2.5	Pass		
				10	3.8	-0.243	-0.0001	-2.5 to 2.5	Pass	
30				3.8	-2.375	-0.0009	-2.5 to 2.5	Pass		
40	3.8	0.629	0.0002	-2.5 to 2.5	Pass					
50	3.8	-2.761	-0.0011	-2.5 to 2.5	Pass					
16QAM	2505	50	0	20	3.23	-2.933	-0.0012	-2.5 to 2.5	Pass	
					3.8	-0.744	-0.0003	-2.5 to 2.5	Pass	
					4.37	0.300	0.0001	-2.5 to 2.5	Pass	
				-30	3.8	-3.033	-0.0012	-2.5 to 2.5	Pass	
					-20	3.8	-3.762	-0.0015	-2.5 to 2.5	Pass
						3.8	-1.488	-0.0006	-2.5 to 2.5	Pass
0	3.8	-1.459	-0.0006	-2.5 to 2.5	Pass					
	10	3.8	-2.031	-0.0008	-2.5 to 2.5	Pass				

	2535	50	0	30	3.8	2.403	0.0010	-2.5 to 2.5	Pass
				40	3.8	-0.658	-0.0003	-2.5 to 2.5	Pass
				50	3.8	-0.629	-0.0003	-2.5 to 2.5	Pass
				20	3.23	0.944	0.0004	-2.5 to 2.5	Pass
					3.8	-0.343	-0.0001	-2.5 to 2.5	Pass
					4.37	2.646	0.0010	-2.5 to 2.5	Pass
				-30	3.8	0.215	0.0001	-2.5 to 2.5	Pass
				-20	3.8	2.618	0.0010	-2.5 to 2.5	Pass
				-10	3.8	-0.114	0.0000	-2.5 to 2.5	Pass
				0	3.8	4.206	0.0017	-2.5 to 2.5	Pass
				10	3.8	2.446	0.0010	-2.5 to 2.5	Pass
				30	3.8	-0.801	-0.0003	-2.5 to 2.5	Pass
	40	3.8	0.572	0.0002	-2.5 to 2.5	Pass			
	50	3.8	1.473	0.0006	-2.5 to 2.5	Pass			
	2565	50	0	20	3.23	0.257	0.0001	-2.5 to 2.5	Pass
					3.8	3.033	0.0012	-2.5 to 2.5	Pass
					4.37	0.544	0.0002	-2.5 to 2.5	Pass
				-30	3.8	1.659	0.0006	-2.5 to 2.5	Pass
				-20	3.8	-2.317	-0.0009	-2.5 to 2.5	Pass
				-10	3.8	2.074	0.0008	-2.5 to 2.5	Pass
				0	3.8	0.343	0.0001	-2.5 to 2.5	Pass
				10	3.8	-1.745	-0.0007	-2.5 to 2.5	Pass
				30	3.8	-3.548	-0.0014	-2.5 to 2.5	Pass
				40	3.8	0.157	0.0001	-2.5 to 2.5	Pass
50				3.8	-2.275	-0.0009	-2.5 to 2.5	Pass	

## 2.3 B7\_15MHz

### 2.3.1 Test Result

Band: 7 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2507.5	75	0	20	3.23	0.830	0.0003	-2.5 to 2.5	Pass
					3.8	1.788	0.0007	-2.5 to 2.5	Pass
					4.37	4.277	0.0017	-2.5 to 2.5	Pass
				-30	3.8	1.030	0.0004	-2.5 to 2.5	Pass
				-20	3.8	-0.916	-0.0004	-2.5 to 2.5	Pass
				-10	3.8	3.076	0.0012	-2.5 to 2.5	Pass
				0	3.8	4.163	0.0017	-2.5 to 2.5	Pass
				10	3.8	1.273	0.0005	-2.5 to 2.5	Pass
				30	3.8	1.802	0.0007	-2.5 to 2.5	Pass
				40	3.8	-0.601	-0.0002	-2.5 to 2.5	Pass
				50	3.8	-0.501	-0.0002	-2.5 to 2.5	Pass
				2535	75	0	20	3.23	0.300
	3.8	-1.016	-0.0004					-2.5 to 2.5	Pass
	4.37	-2.604	-0.0010					-2.5 to 2.5	Pass
	-30	3.8	-0.758				-0.0003	-2.5 to 2.5	Pass
	-20	3.8	-1.330				-0.0005	-2.5 to 2.5	Pass
	-10	3.8	-3.562				-0.0014	-2.5 to 2.5	Pass
	0	3.8	-1.988				-0.0008	-2.5 to 2.5	Pass
	10	3.8	-0.958				-0.0004	-2.5 to 2.5	Pass
	30	3.8	-2.646				-0.0010	-2.5 to 2.5	Pass
	40	3.8	-2.689				-0.0011	-2.5 to 2.5	Pass
	50	3.8	-0.272				-0.0001	-2.5 to 2.5	Pass

	2562.5	75	0	20	3.23	-0.572	-0.0002	-2.5 to 2.5	Pass
					3.8	-3.963	-0.0015	-2.5 to 2.5	Pass
					4.37	-2.275	-0.0009	-2.5 to 2.5	Pass
				-30	3.8	-1.760	-0.0007	-2.5 to 2.5	Pass
				-10	3.8	-4.034	-0.0016	-2.5 to 2.5	Pass
				10	3.8	-0.930	-0.0004	-2.5 to 2.5	Pass
				40	3.8	-3.676	-0.0014	-2.5 to 2.5	Pass
50	3.8	-3.877	-0.0015						
				16QAM	2507.5	75	0	20	3.23
3.8	0.615	0.0002	-2.5 to 2.5						Pass
4.37	3.304	0.0013	-2.5 to 2.5						Pass
-30	3.8	0.830	0.0003					-2.5 to 2.5	Pass
-10	3.8	1.931	0.0008					-2.5 to 2.5	Pass
10	3.8	3.633	0.0014					-2.5 to 2.5	Pass
40	3.8	0.143	0.0001					-2.5 to 2.5	Pass
				50	3.8	-1.230	-0.0005		
2535	75	0	20					3.23	0.415
				3.8	-2.632	-0.0010	-2.5 to 2.5	Pass	
				4.37	-0.186	-0.0001	-2.5 to 2.5	Pass	
			-30	3.8	0.200	0.0001	-2.5 to 2.5	Pass	
									-20
			-10	3.8	-2.260	-0.0009	-2.5 to 2.5	Pass	
									0
			10	3.8	-3.448	-0.0014	-2.5 to 2.5	Pass	
									30
			40	3.8	-2.332	-0.0009	-2.5 to 2.5	Pass	
50	3.8	-4.334							-0.0017
			2562.5	75	0	20	3.23	-2.604	
3.8	-2.747	-0.0011					-2.5 to 2.5	Pass	
4.37	-1.116	-0.0004					-2.5 to 2.5	Pass	
-30	3.8	-3.533				-0.0014	-2.5 to 2.5	Pass	
									-20
-10	3.8	-3.533				-0.0014	-2.5 to 2.5	Pass	
									0
10	3.8	-6.108				-0.0024	-2.5 to 2.5	Pass	
									30
40	3.8	0.157				0.0001	-2.5 to 2.5	Pass	
			50	3.8	-4.663				-0.0018

## 2.4 B7\_20MHz

### 2.4.1 Test Result

Band: 7 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2510	100	0	20	3.23	0.172	0.0001	-2.5 to 2.5	Pass
					3.8	-0.029	0.0000	-2.5 to 2.5	Pass
					4.37	-1.445	-0.0006	-2.5 to 2.5	Pass



				-30	3.8	1.931	0.0008	-2.5 to 2.5	Pass			
				-20	3.8	0.029	0.0000	-2.5 to 2.5	Pass			
				-10	3.8	-1.802	-0.0007	-2.5 to 2.5	Pass			
				0	3.8	-0.257	-0.0001	-2.5 to 2.5	Pass			
				10	3.8	0.672	0.0003	-2.5 to 2.5	Pass			
				30	3.8	-0.386	-0.0002	-2.5 to 2.5	Pass			
				40	3.8	-0.529	-0.0002	-2.5 to 2.5	Pass			
	50	3.8	0.858	0.0003	-2.5 to 2.5	Pass						
	2535	100	0	20	3.23	-1.473	-0.0006	-2.5 to 2.5	Pass			
					3.8	1.173	0.0005	-2.5 to 2.5	Pass			
					4.37	-2.675	-0.0011	-2.5 to 2.5	Pass			
				-30	3.8	-3.061	-0.0012	-2.5 to 2.5	Pass			
				-20	3.8	-1.316	-0.0005	-2.5 to 2.5	Pass			
				-10	3.8	-1.373	-0.0005	-2.5 to 2.5	Pass			
				0	3.8	-2.847	-0.0011	-2.5 to 2.5	Pass			
				10	3.8	-3.061	-0.0012	-2.5 to 2.5	Pass			
				30	3.8	-1.860	-0.0007	-2.5 to 2.5	Pass			
				40	3.8	-2.074	-0.0008	-2.5 to 2.5	Pass			
				50	3.8	-3.047	-0.0012	-2.5 to 2.5	Pass			
				2560	100	0	20	3.23	1.545	0.0006	-2.5 to 2.5	Pass
								3.8	3.905	0.0015	-2.5 to 2.5	Pass
								4.37	2.475	0.0010	-2.5 to 2.5	Pass
	-30	3.8	3.862				0.0015	-2.5 to 2.5	Pass			
	-20	3.8	4.048				0.0016	-2.5 to 2.5	Pass			
	-10	3.8	3.390				0.0013	-2.5 to 2.5	Pass			
	0	3.8	2.303				0.0009	-2.5 to 2.5	Pass			
	10	3.8	6.008				0.0023	-2.5 to 2.5	Pass			
30	3.8	2.418	0.0009				-2.5 to 2.5	Pass				
40	3.8	2.775	0.0011				-2.5 to 2.5	Pass				
50	3.8	4.377	0.0017				-2.5 to 2.5	Pass				
16QAM	2510	100	0	20	3.23	2.360	0.0009	-2.5 to 2.5	Pass			
					3.8	2.117	0.0008	-2.5 to 2.5	Pass			
					4.37	0.887	0.0004	-2.5 to 2.5	Pass			
				-30	3.8	-0.343	-0.0001	-2.5 to 2.5	Pass			
				-20	3.8	-1.216	-0.0005	-2.5 to 2.5	Pass			
				-10	3.8	0.472	0.0002	-2.5 to 2.5	Pass			
				0	3.8	0.644	0.0003	-2.5 to 2.5	Pass			
				10	3.8	-0.887	-0.0004	-2.5 to 2.5	Pass			
				30	3.8	1.531	0.0006	-2.5 to 2.5	Pass			
				40	3.8	-0.315	-0.0001	-2.5 to 2.5	Pass			
				50	3.8	2.246	0.0009	-2.5 to 2.5	Pass			
				2535	100	0	20	3.23	-3.576	-0.0014	-2.5 to 2.5	Pass
								3.8	-3.233	-0.0013	-2.5 to 2.5	Pass
								4.37	0.572	0.0002	-2.5 to 2.5	Pass
	-30	3.8	0.458				0.0002	-2.5 to 2.5	Pass			
	-20	3.8	-0.429				-0.0002	-2.5 to 2.5	Pass			
	-10	3.8	-0.830				-0.0003	-2.5 to 2.5	Pass			
	0	3.8	-4.020				-0.0016	-2.5 to 2.5	Pass			
	10	3.8	-1.760				-0.0007	-2.5 to 2.5	Pass			
	30	3.8	-0.587				-0.0002	-2.5 to 2.5	Pass			
	40	3.8	-2.103				-0.0008	-2.5 to 2.5	Pass			
	50	3.8	3.290				0.0013	-2.5 to 2.5	Pass			
	2560	100	0	20	3.23	3.662	0.0014	-2.5 to 2.5	Pass			
					3.8	3.920	0.0015	-2.5 to 2.5	Pass			
					4.37	2.146	0.0008	-2.5 to 2.5	Pass			
				-30	3.8	1.044	0.0004	-2.5 to 2.5	Pass			
	-20	3.8	4.978	0.0019	-2.5 to 2.5	Pass						

				-10	3.8	5.836	0.0023	-2.5 to 2.5	Pass
				0	3.8	3.147	0.0012	-2.5 to 2.5	Pass
				10	3.8	5.536	0.0022	-2.5 to 2.5	Pass
				30	3.8	0.472	0.0002	-2.5 to 2.5	Pass
				40	3.8	7.610	0.0030	-2.5 to 2.5	Pass
				50	3.8	5.879	0.0023	-2.5 to 2.5	Pass

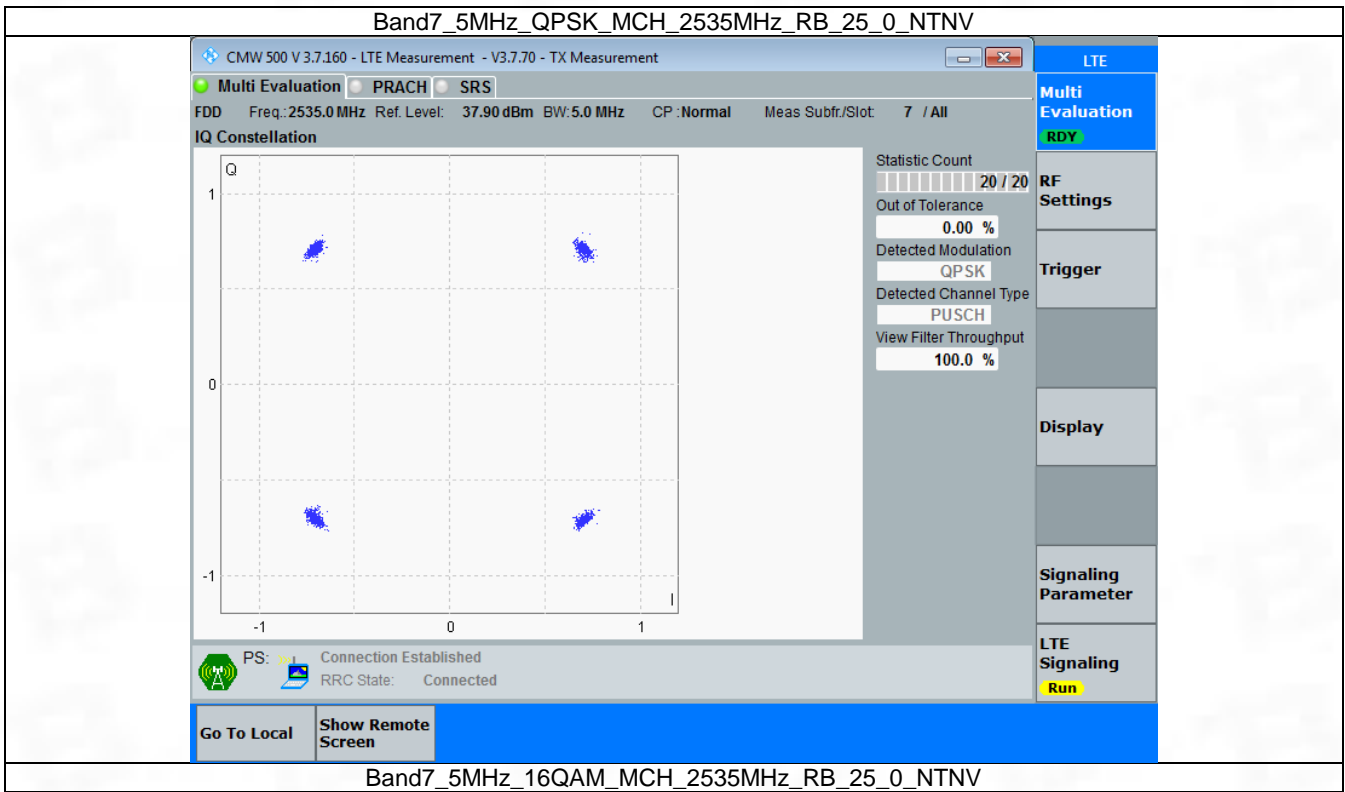
### 3. Modulation Characteristics

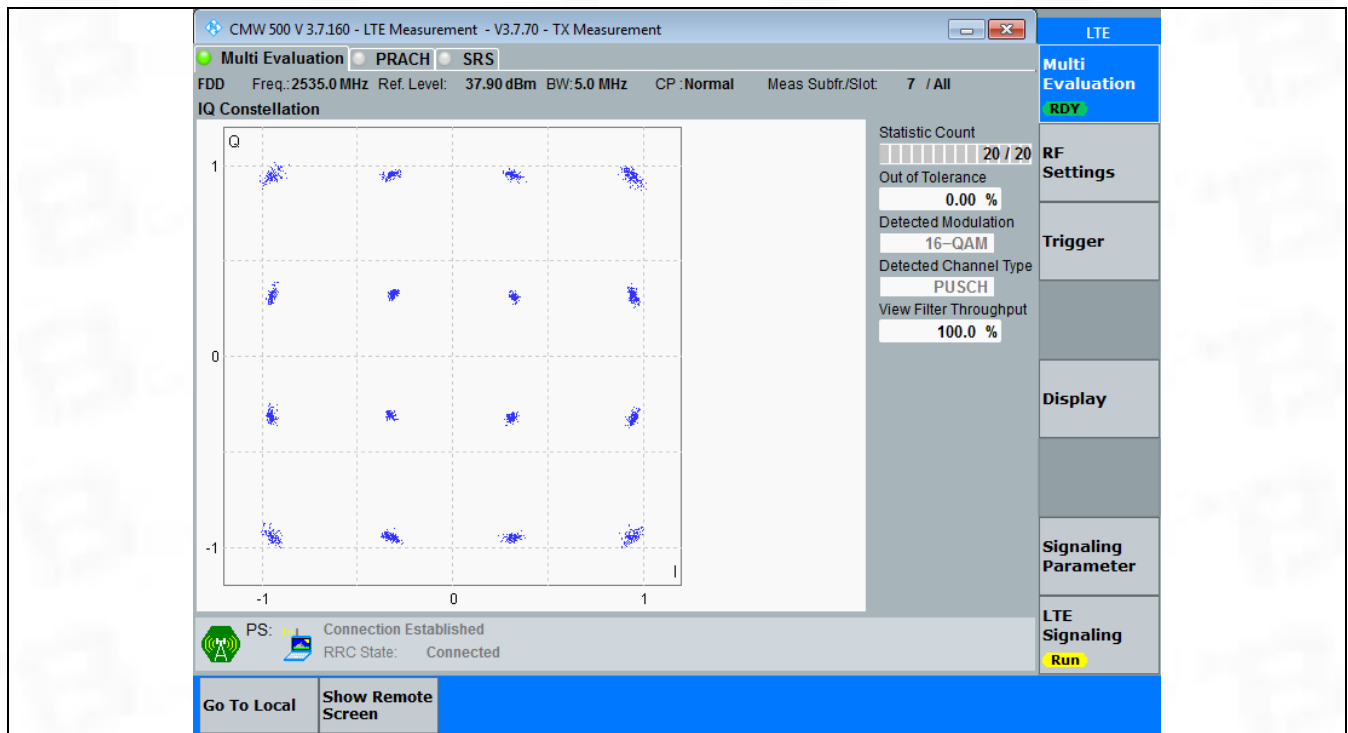
#### 3.1 B7\_5MHz

##### 3.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	25	0	Refer To Test Graph		Pass
16QAM	2535	25	0	Refer To Test Graph		Pass

##### 3.1.2 Test Graph





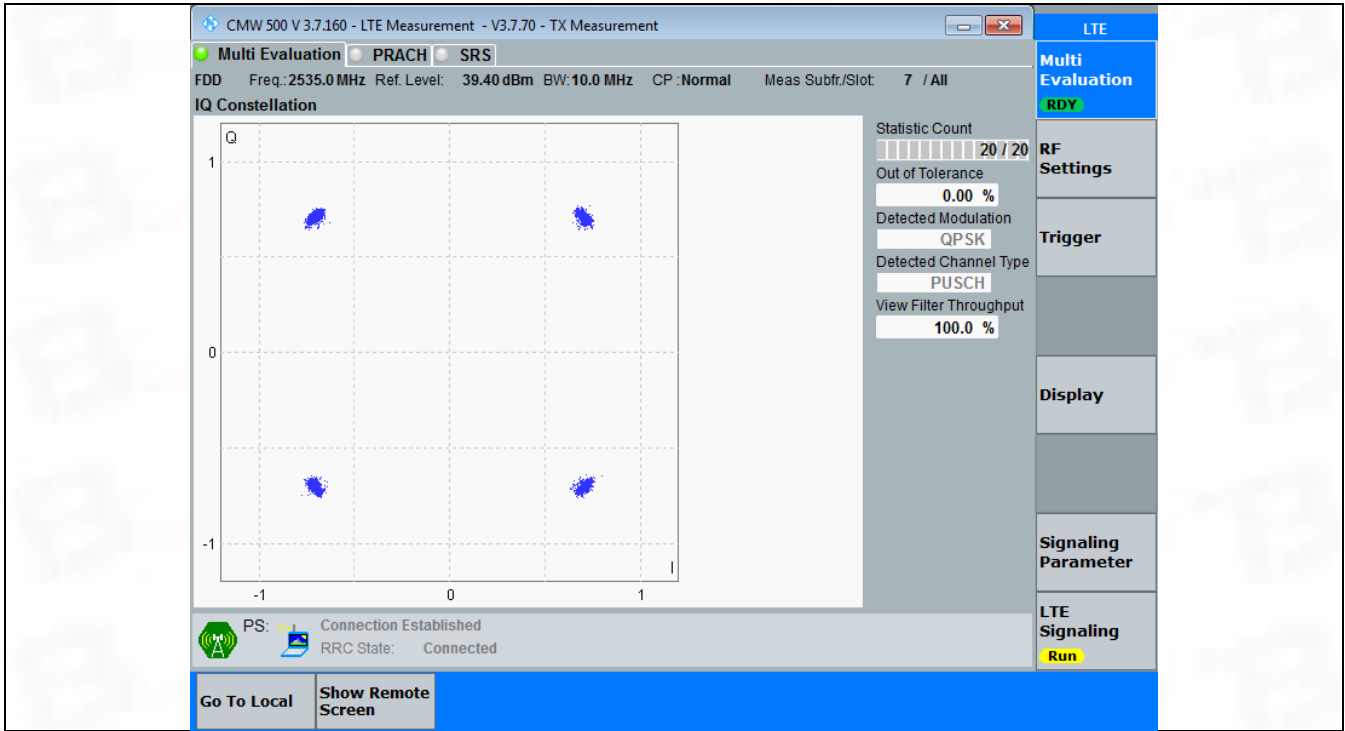
### 3.2 B7\_10MHz

#### 3.2.1 Test Result

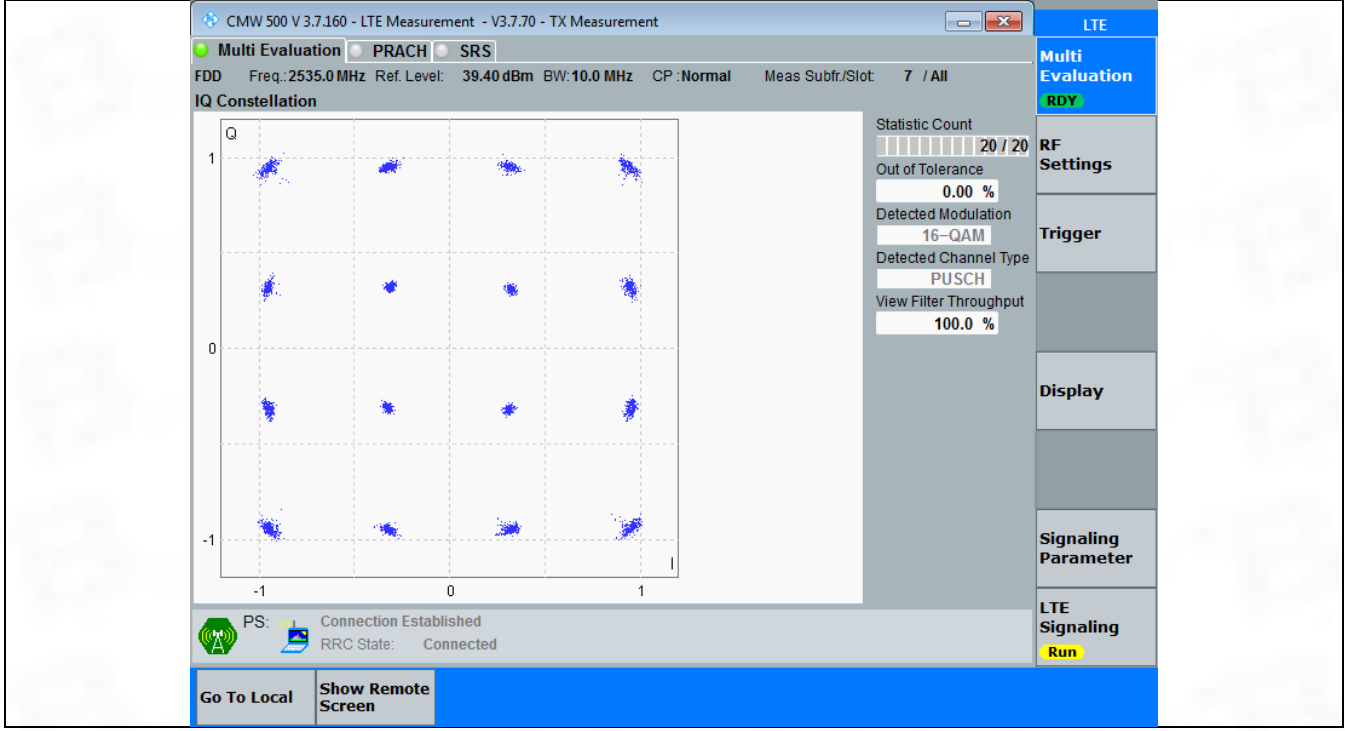
Band: 7 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	50	0	Refer To Test Graph		Pass
16QAM	2535	50	0	Refer To Test Graph		Pass

#### 3.2.2 Test Graph

Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTV

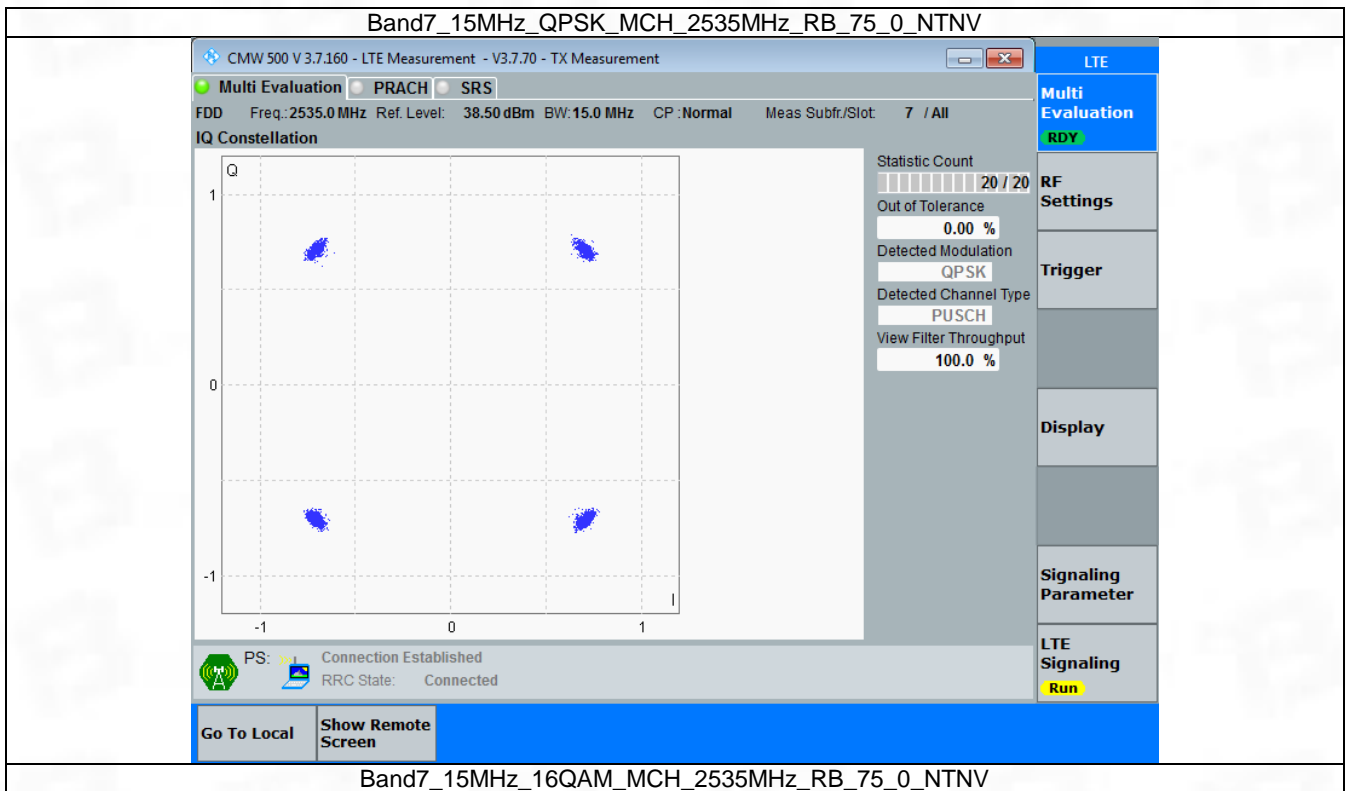


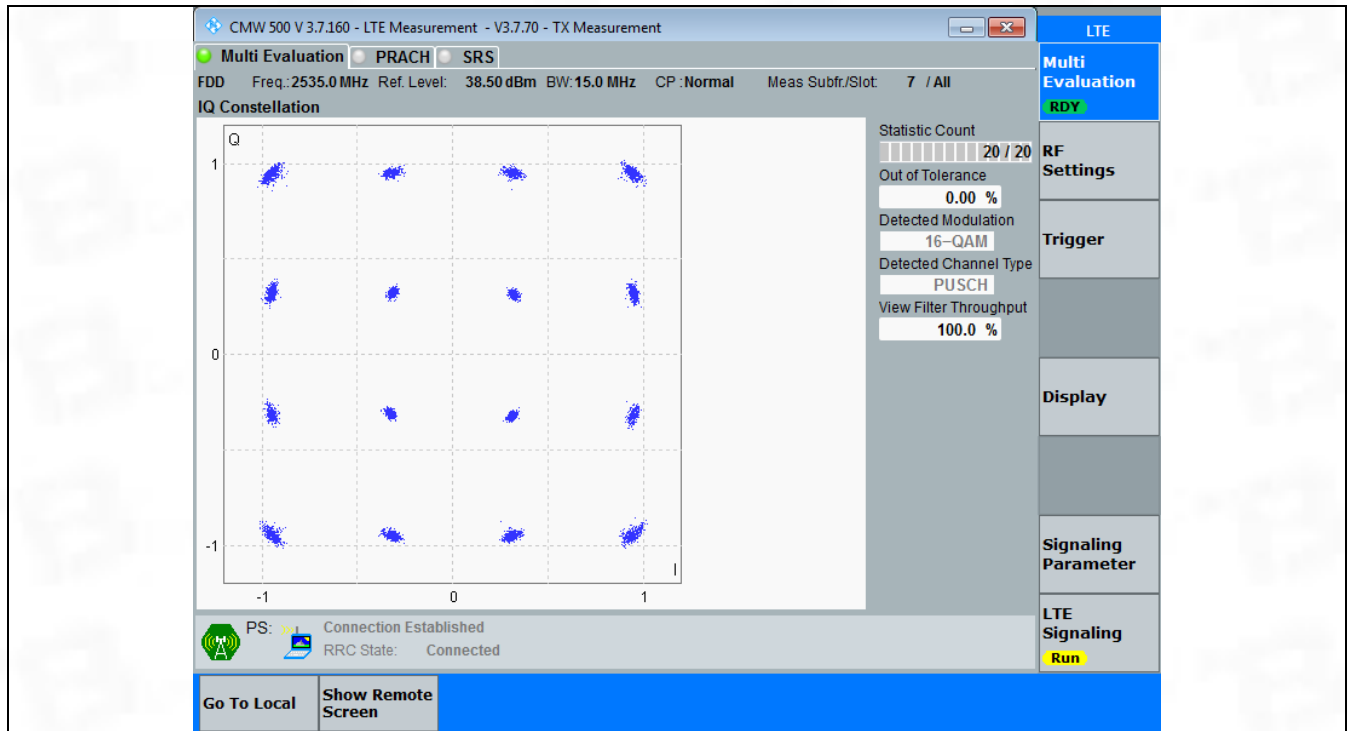
3.3 B7\_15MHz

### 3.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	75	0	Refer To Test Graph		Pass
16QAM	2535	75	0	Refer To Test Graph		Pass

### 3.3.2 Test Graph





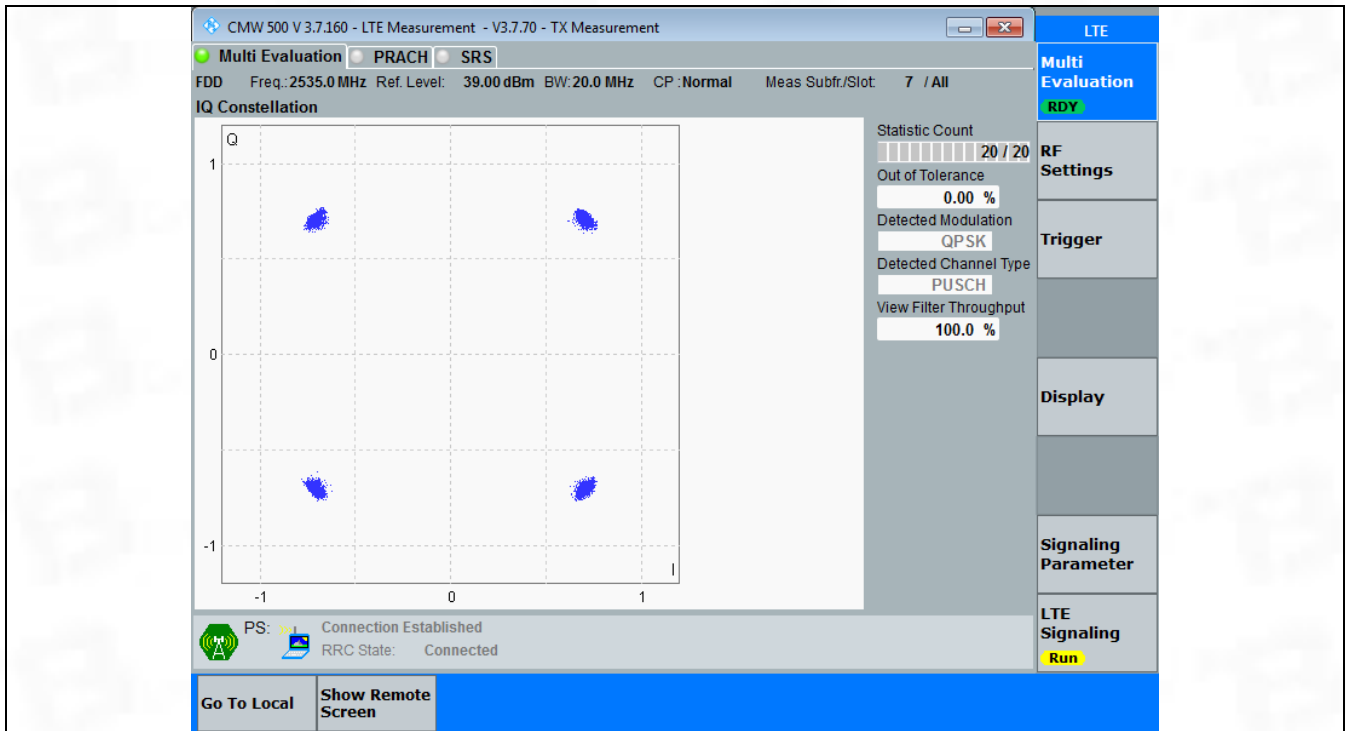
### 3.4 B7\_20MHz

#### 3.4.1 Test Result

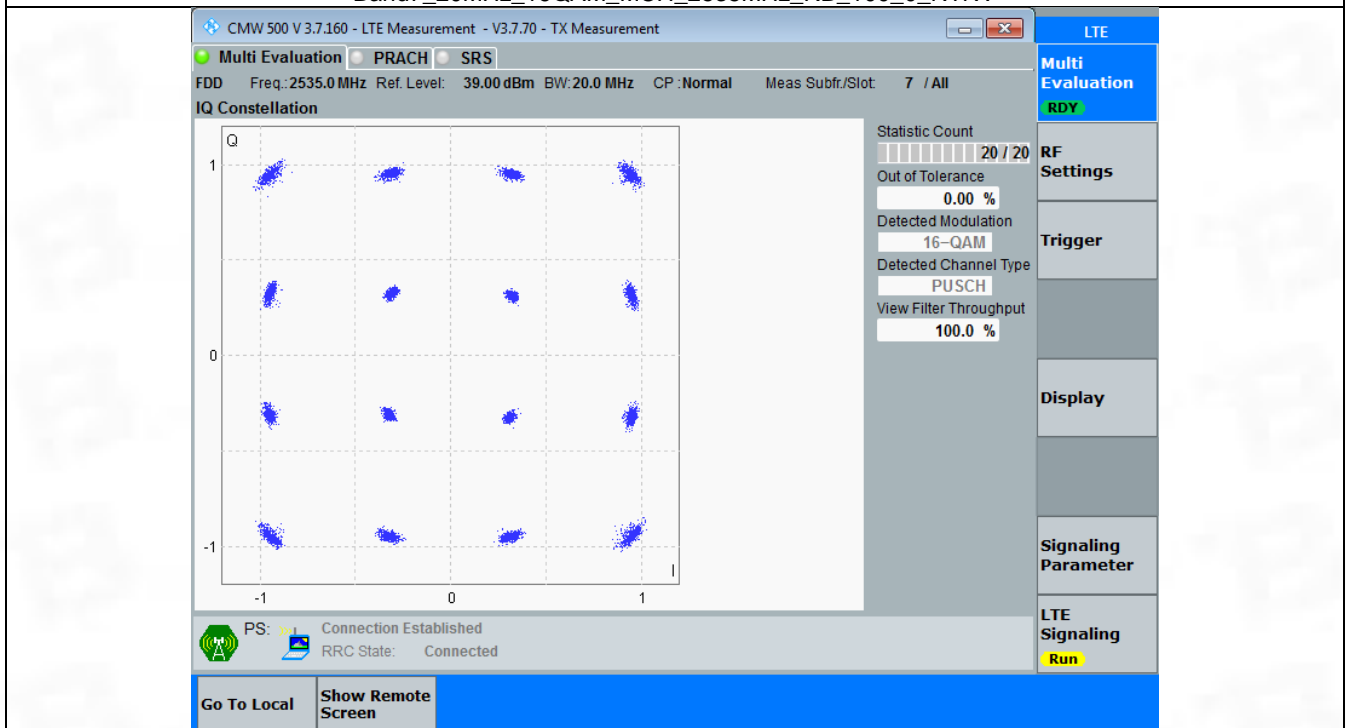
Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

#### 3.4.2 Test Graph

Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTV



Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



## 4. 99% & 26dB Bandwidth

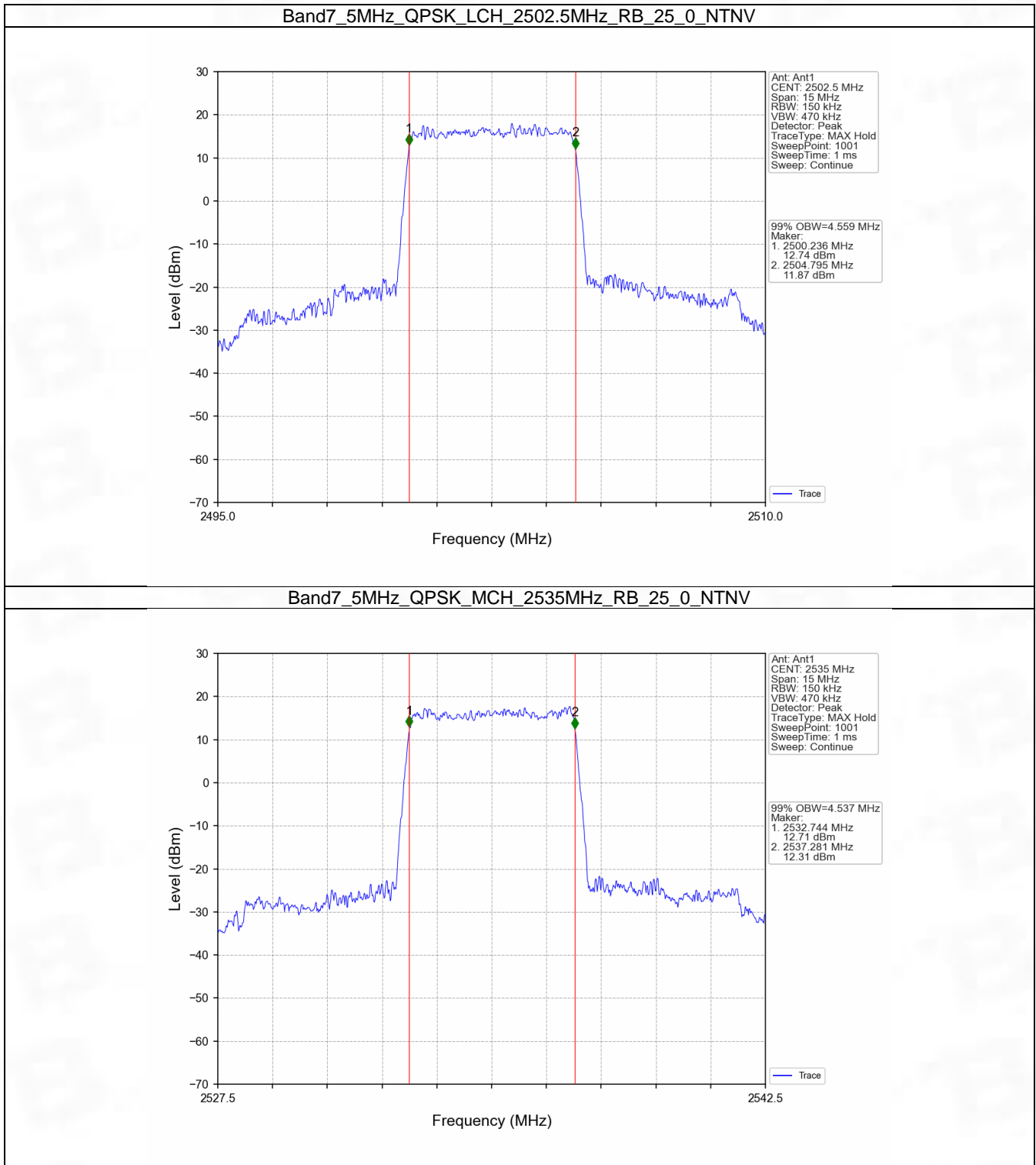
### 4.1 Band7\_OBW

#### 4.1.1 Test Result

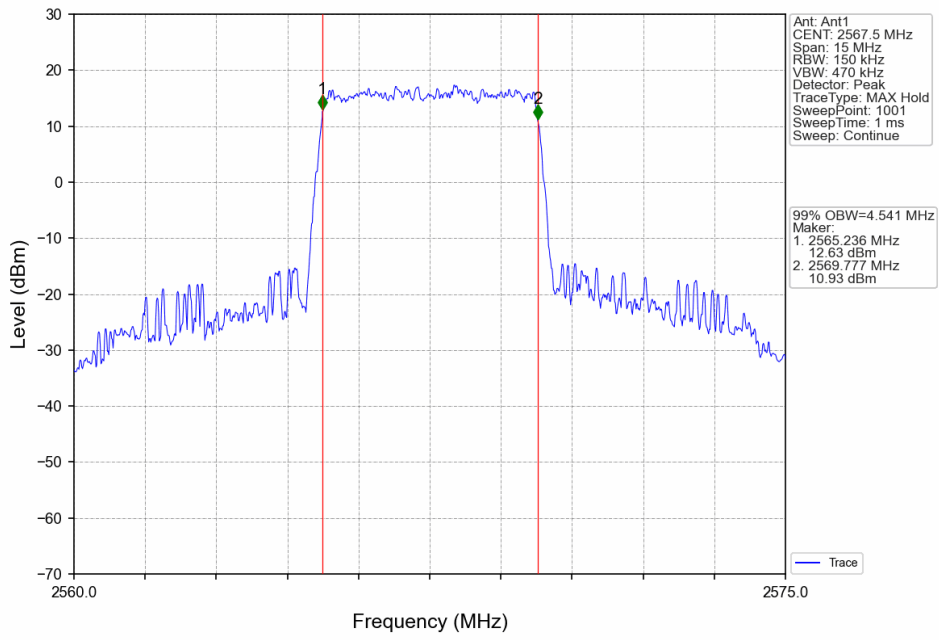
Band: 7 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2502.5	25	0	4.559	Pass
		2535	25	0	4.537	Pass
		2567.5	25	0	4.541	Pass
	16QAM	2502.5	25	0	4.538	Pass
		2535	25	0	4.564	Pass
		2567.5	25	0	4.565	Pass
10	QPSK	2505	50	0	9.047	Pass
		2535	50	0	9.037	Pass
		2565	50	0	9.060	Pass
	16QAM	2505	50	0	9.031	Pass
		2535	50	0	9.053	Pass
		2565	50	0	9.058	Pass
15	QPSK	2507.5	75	0	13.546	Pass
		2535	75	0	13.555	Pass
		2562.5	75	0	13.595	Pass
	16QAM	2507.5	75	0	13.558	Pass
		2535	75	0	13.546	Pass
		2562.5	75	0	13.608	Pass
20	QPSK	2510	100	0	18.060	Pass
		2535	100	0	18.056	Pass
		2560	100	0	18.066	Pass
	16QAM	2510	100	0	18.026	Pass
		2535	100	0	18.026	Pass
		2560	100	0	18.158	Pass



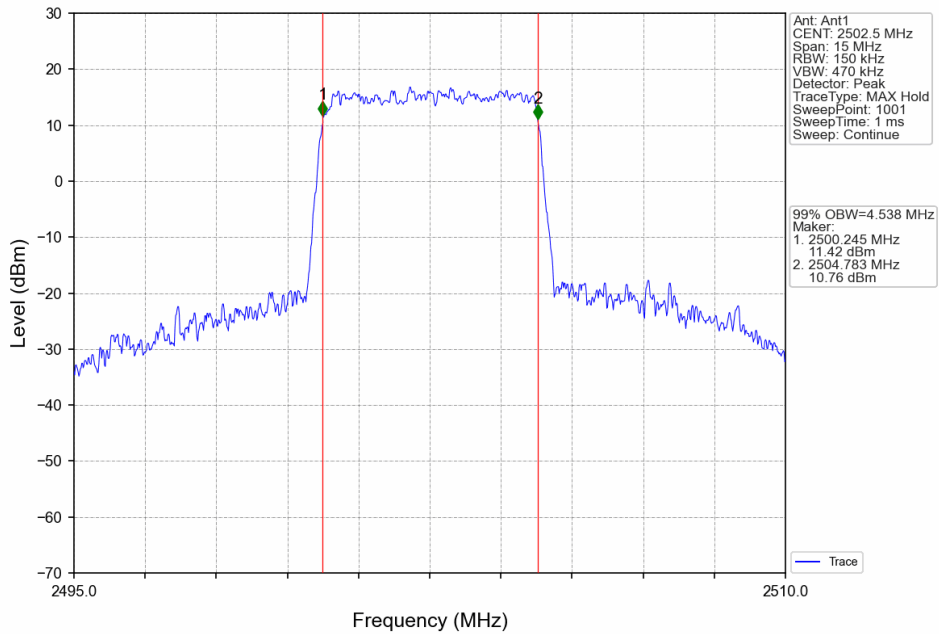
### 4.1.2 Test Graph



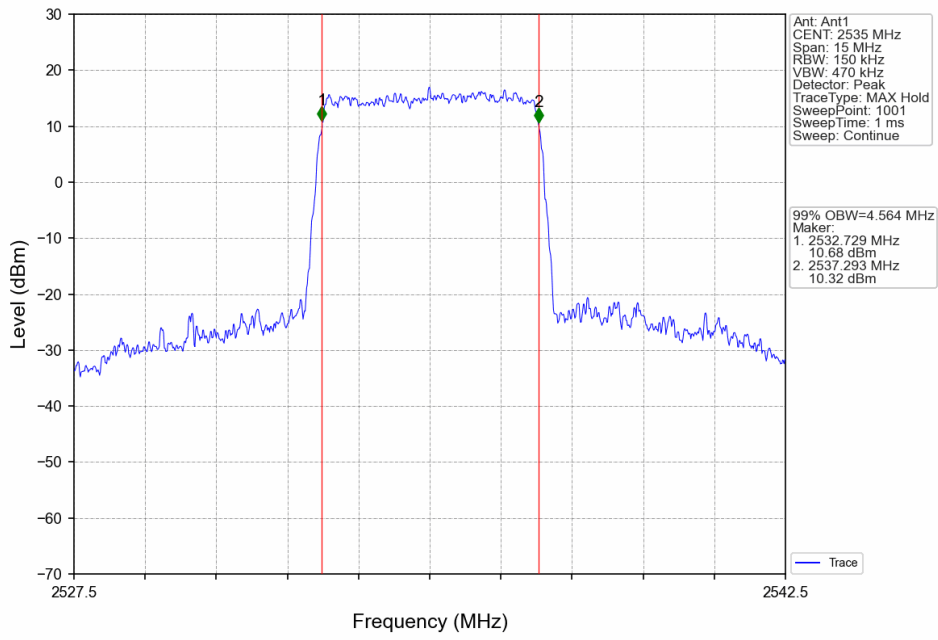
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



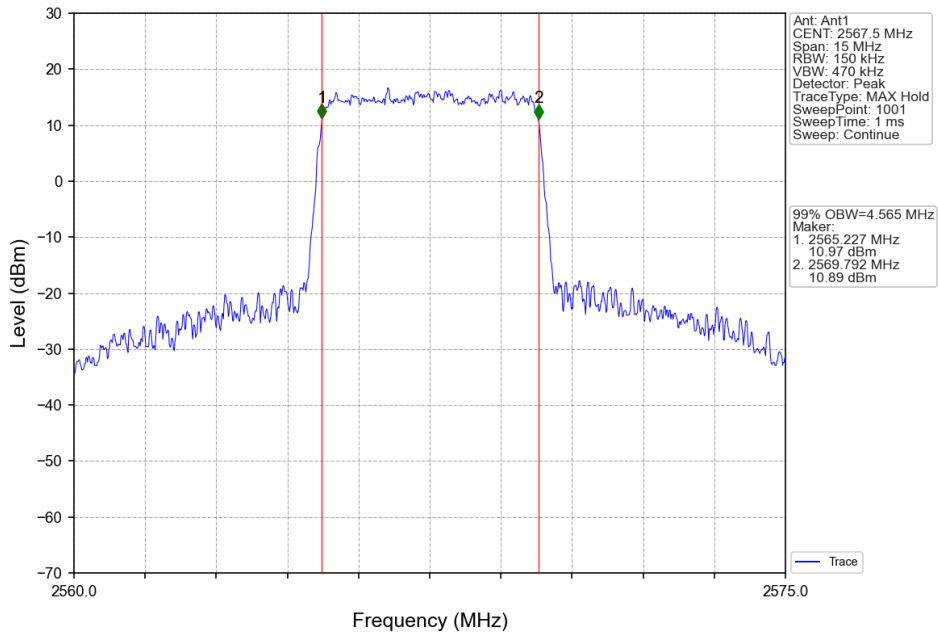
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



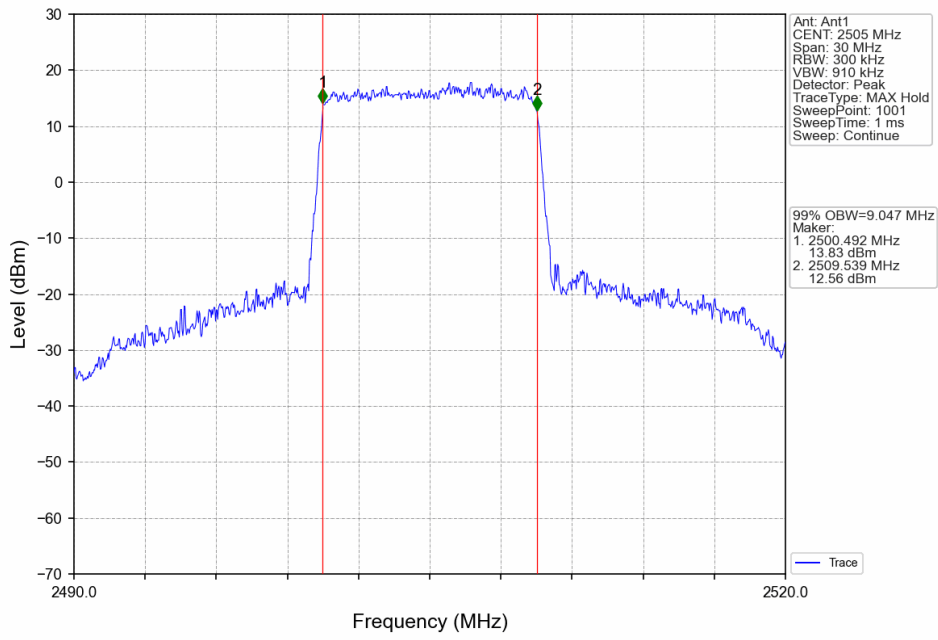
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV



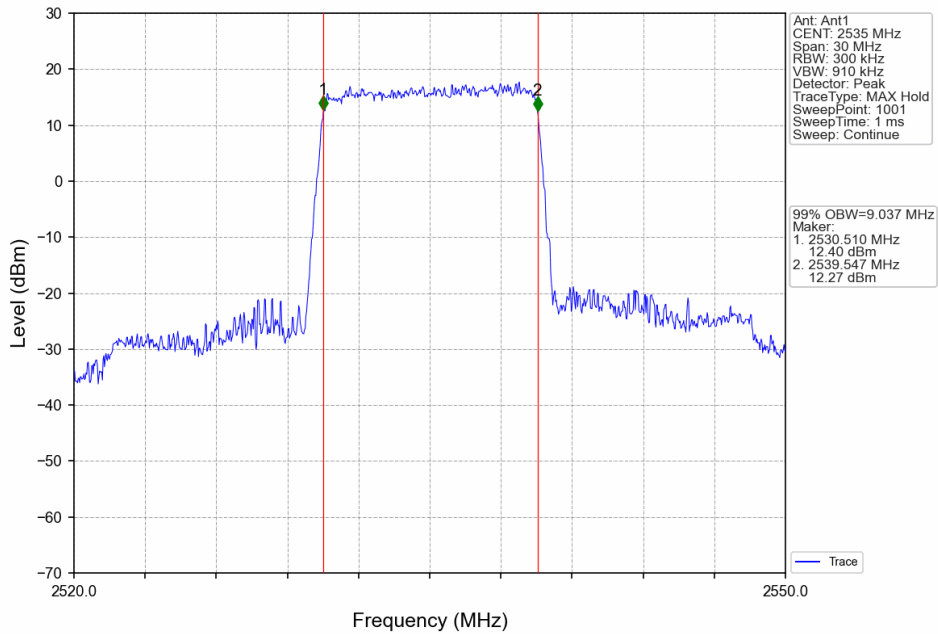
Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



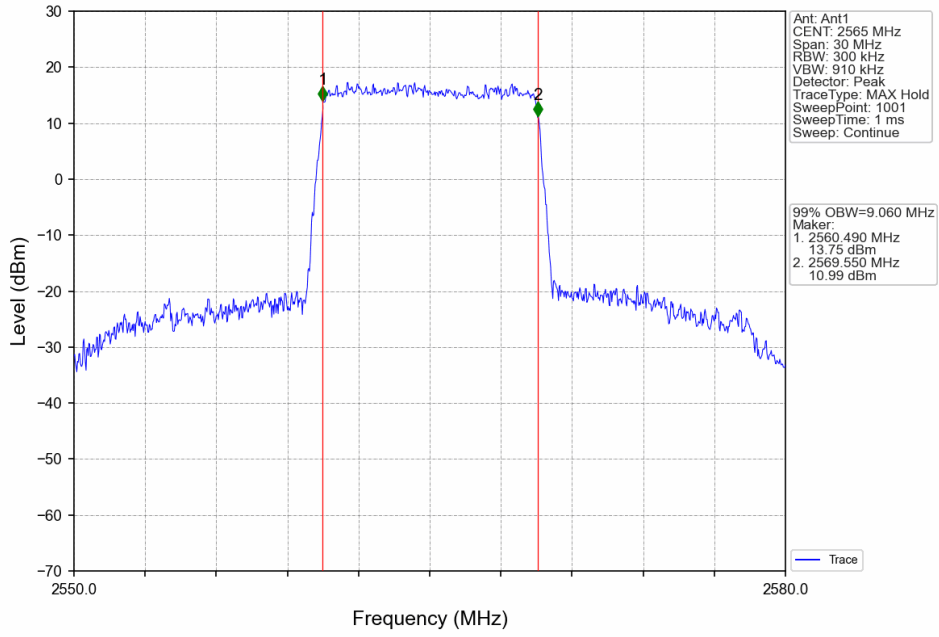
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV



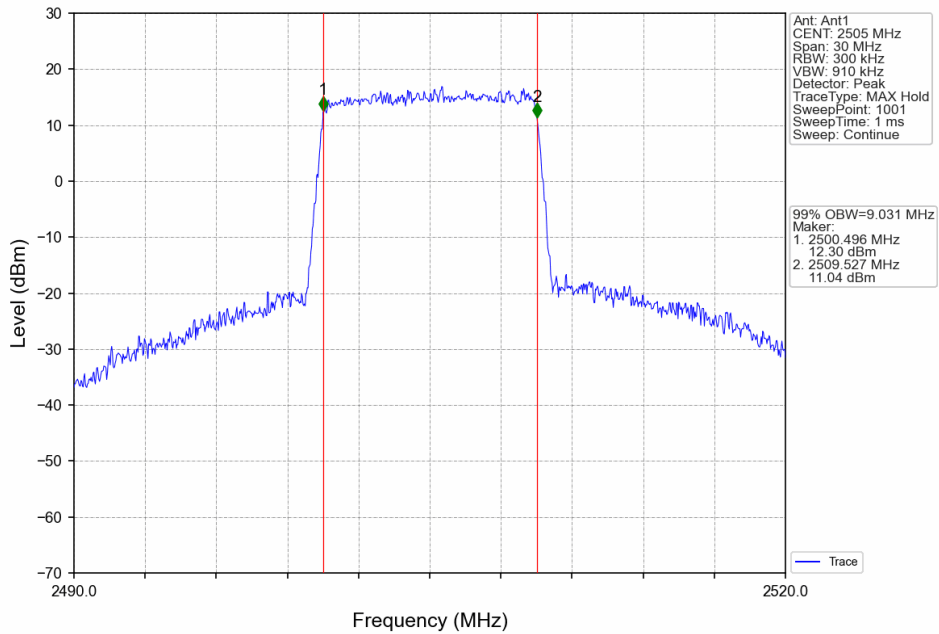
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



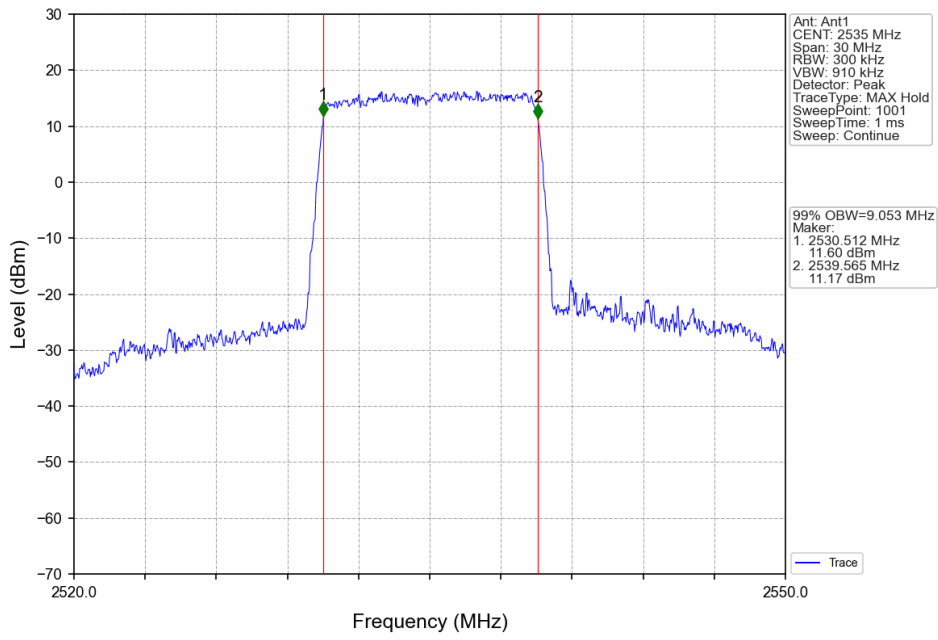
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



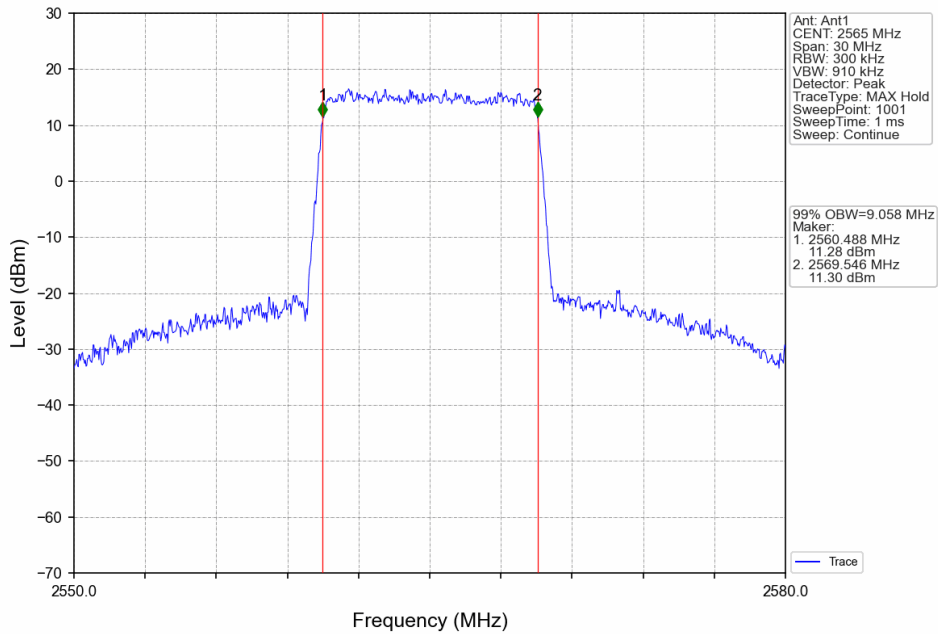
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



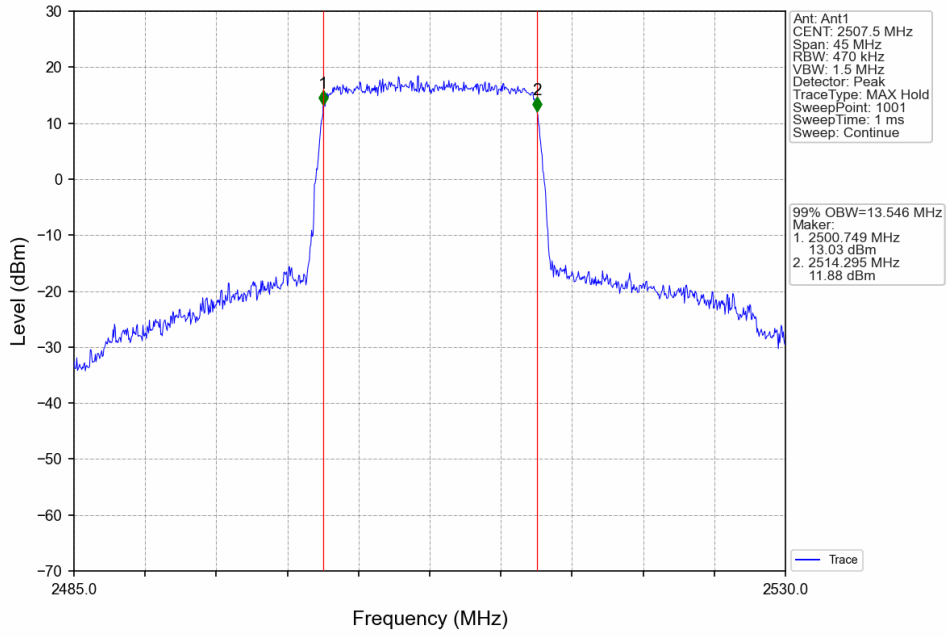
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



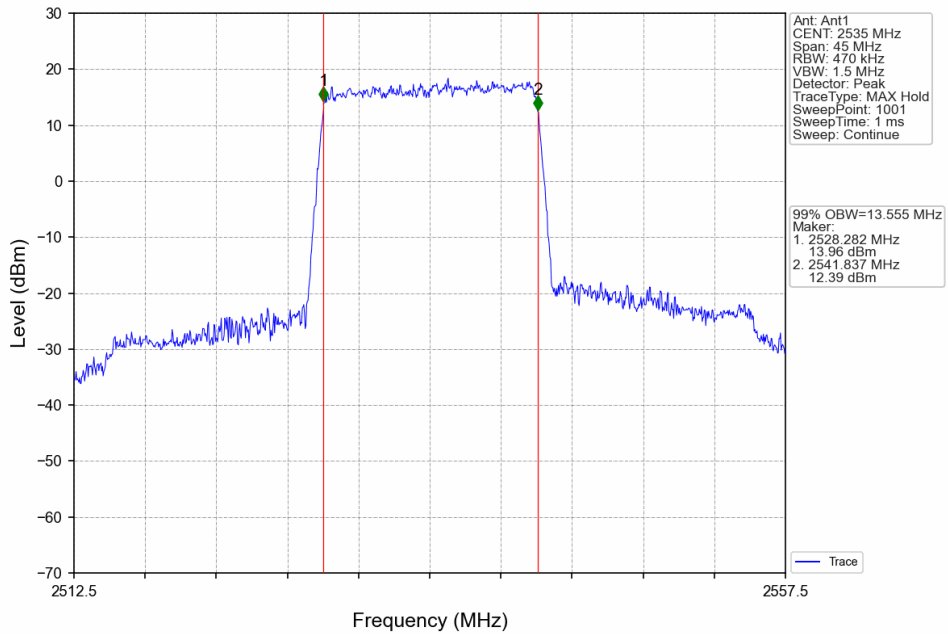
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



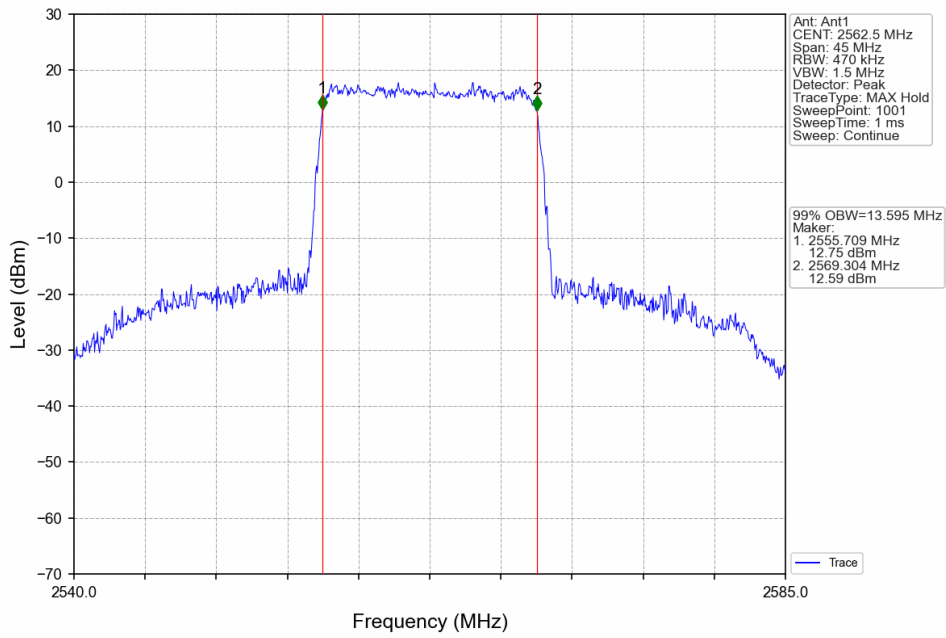
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



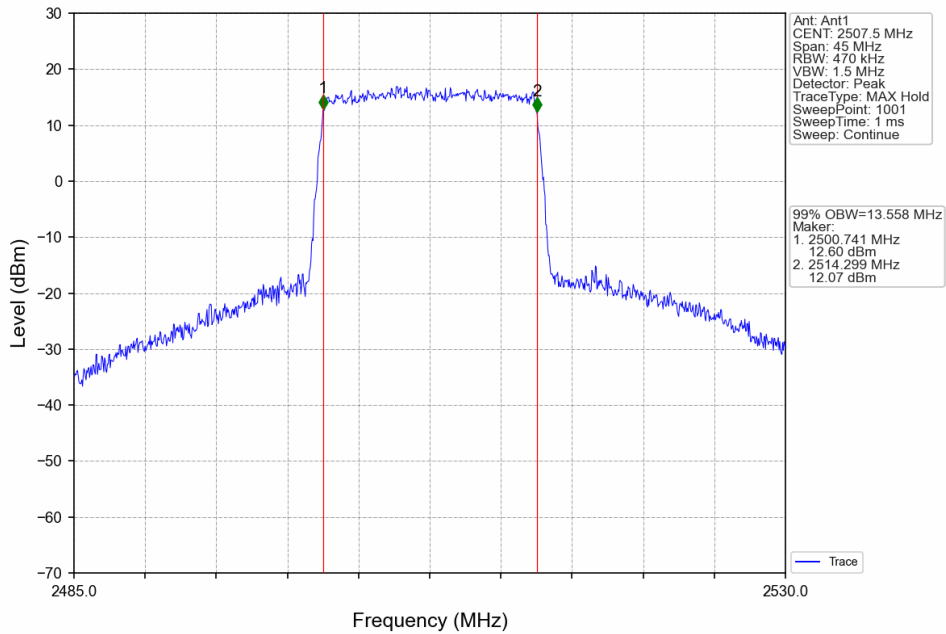
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV

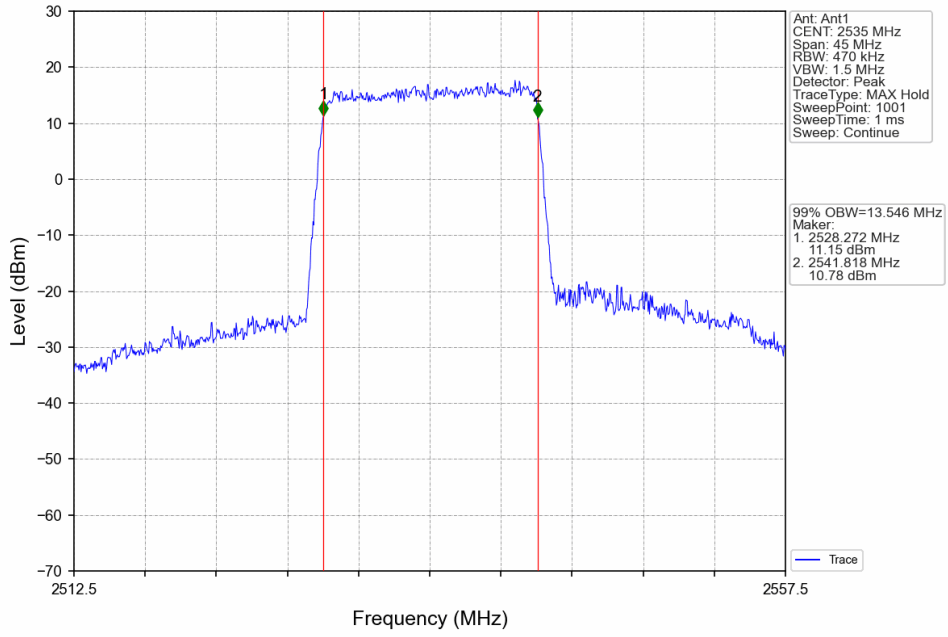


Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV

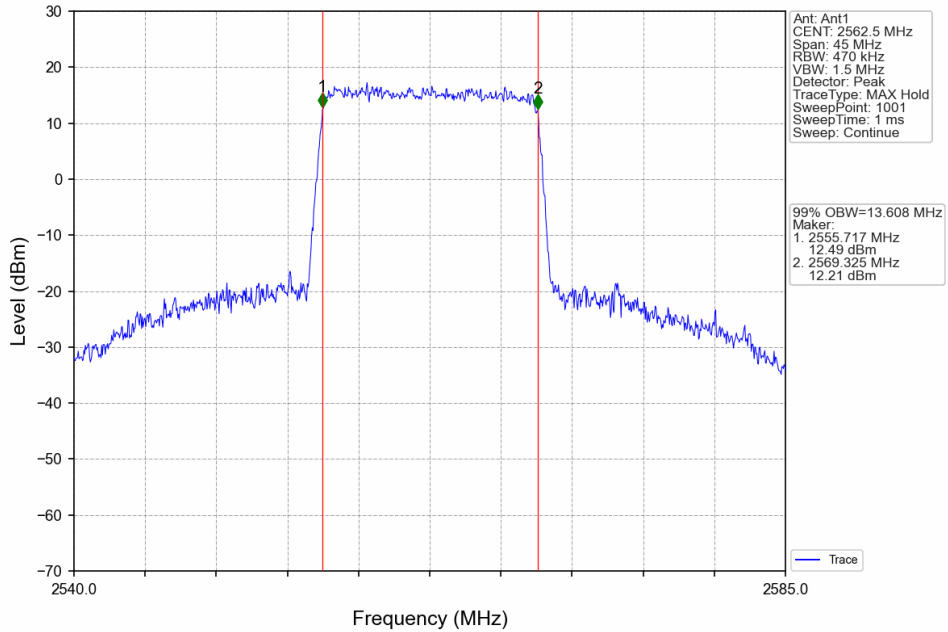




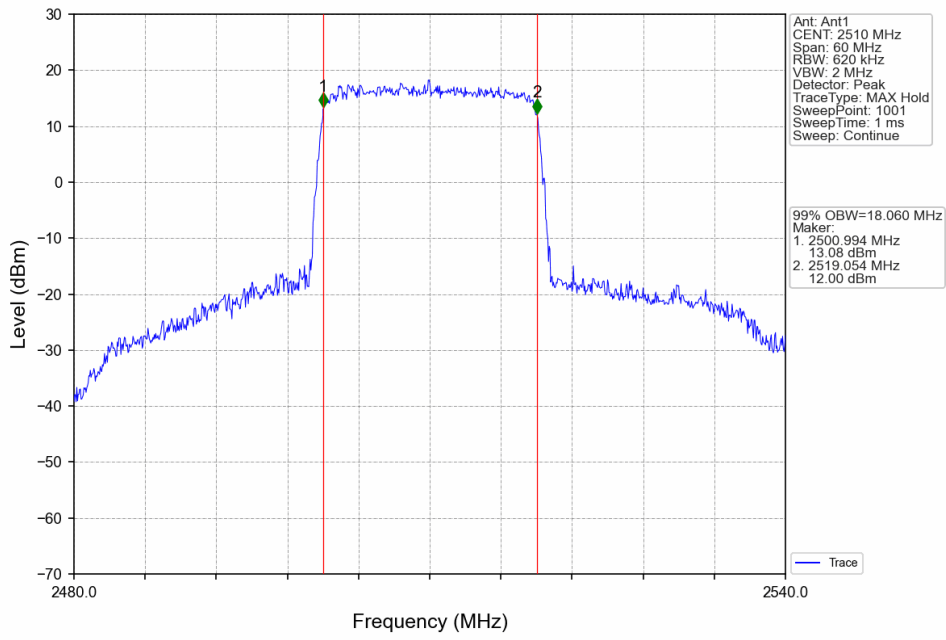
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



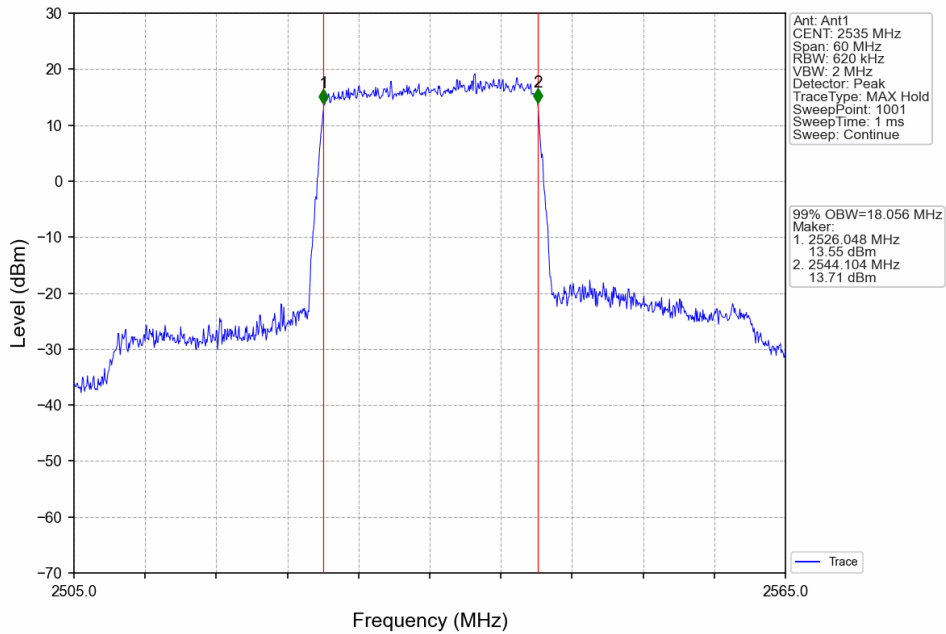
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



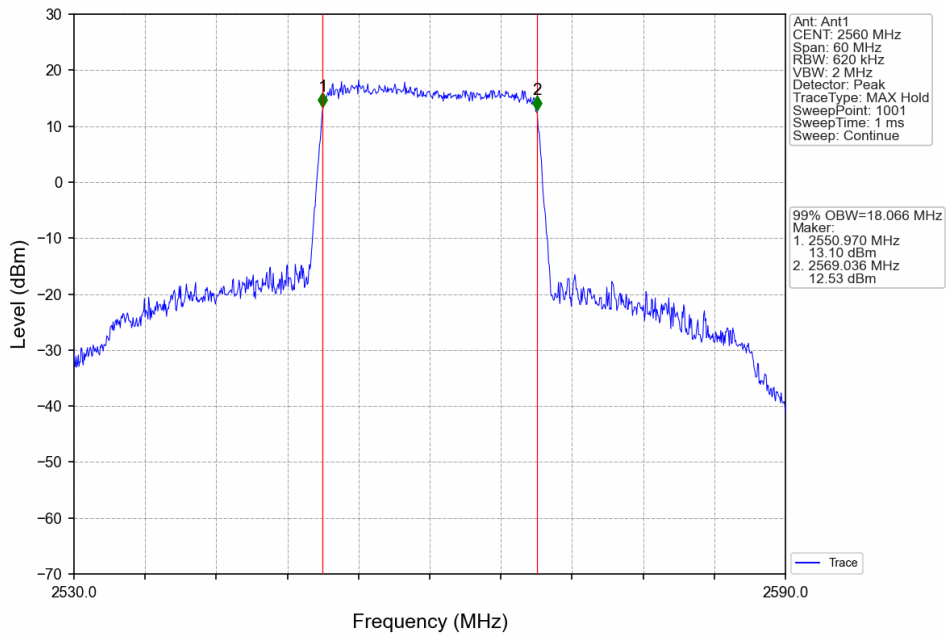
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



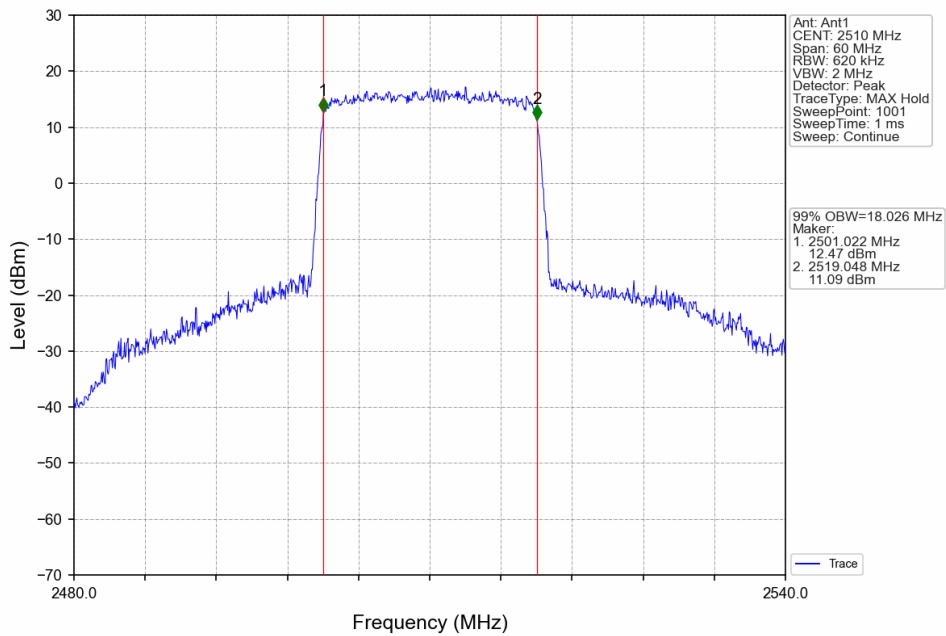
Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



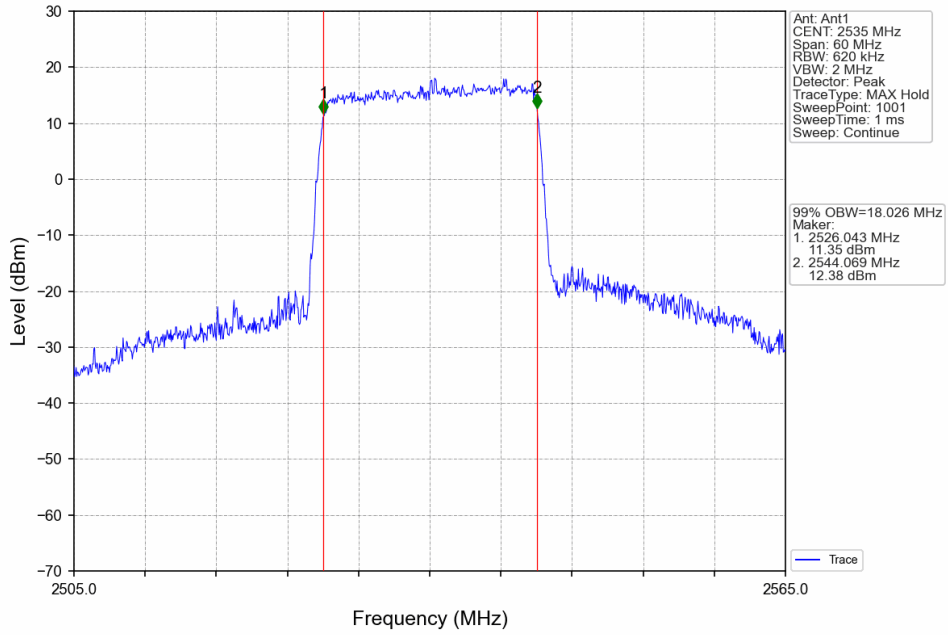
Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV



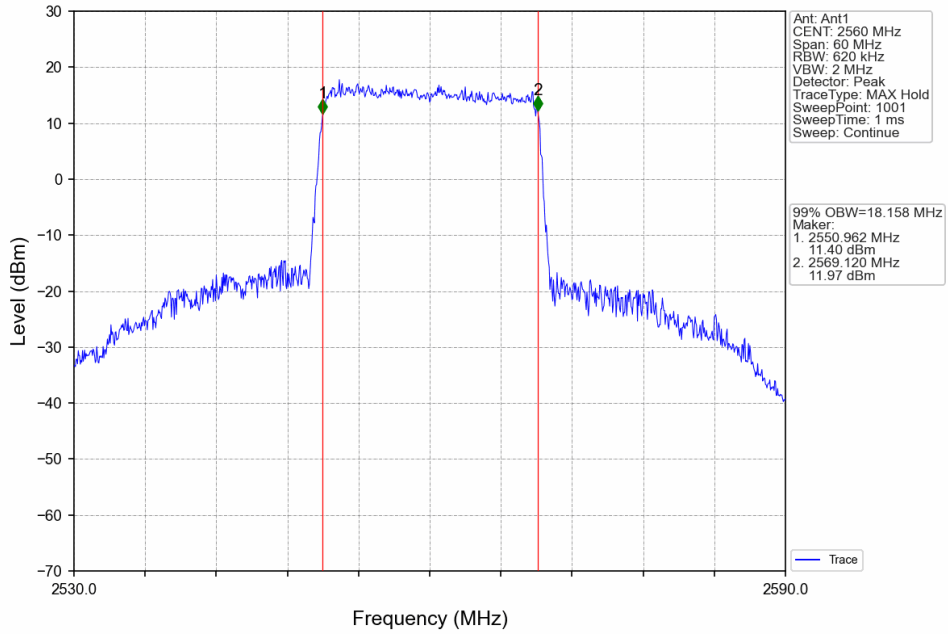
Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV

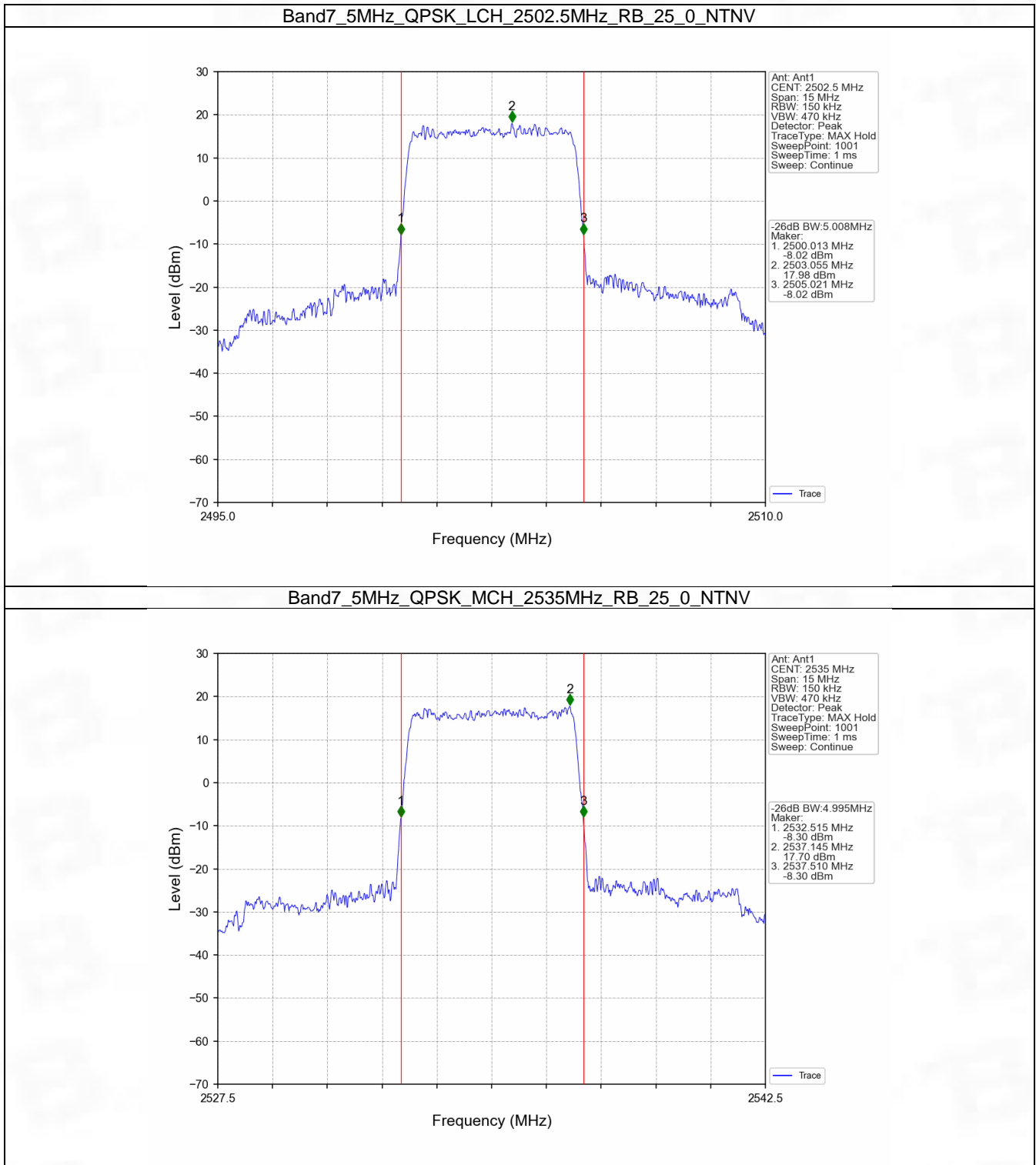


## 4.2 Band7\_XDB

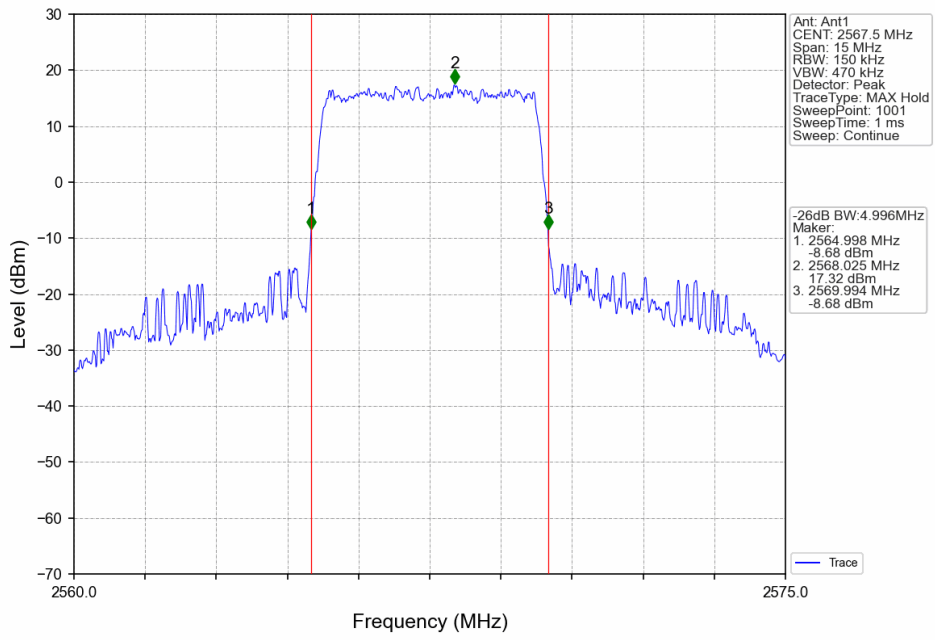
### 4.2.1 Test Result

Band: 7 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2502.5	25	0	5.008	Pass
		2535	25	0	4.995	Pass
		2567.5	25	0	4.996	Pass
	16QAM	2502.5	25	0	5.001	Pass
		2535	25	0	5.011	Pass
		2567.5	25	0	5.013	Pass
10	QPSK	2505	50	0	9.890	Pass
		2535	50	0	9.834	Pass
		2565	50	0	9.963	Pass
	16QAM	2505	50	0	9.904	Pass
		2535	50	0	9.902	Pass
		2565	50	0	9.893	Pass
15	QPSK	2507.5	75	0	14.758	Pass
		2535	75	0	14.819	Pass
		2562.5	75	0	14.864	Pass
	16QAM	2507.5	75	0	14.781	Pass
		2535	75	0	14.866	Pass
		2562.5	75	0	14.813	Pass
20	QPSK	2510	100	0	19.715	Pass
		2535	100	0	19.609	Pass
		2560	100	0	19.624	Pass
	16QAM	2510	100	0	19.607	Pass
		2535	100	0	19.594	Pass
		2560	100	0	19.717	Pass

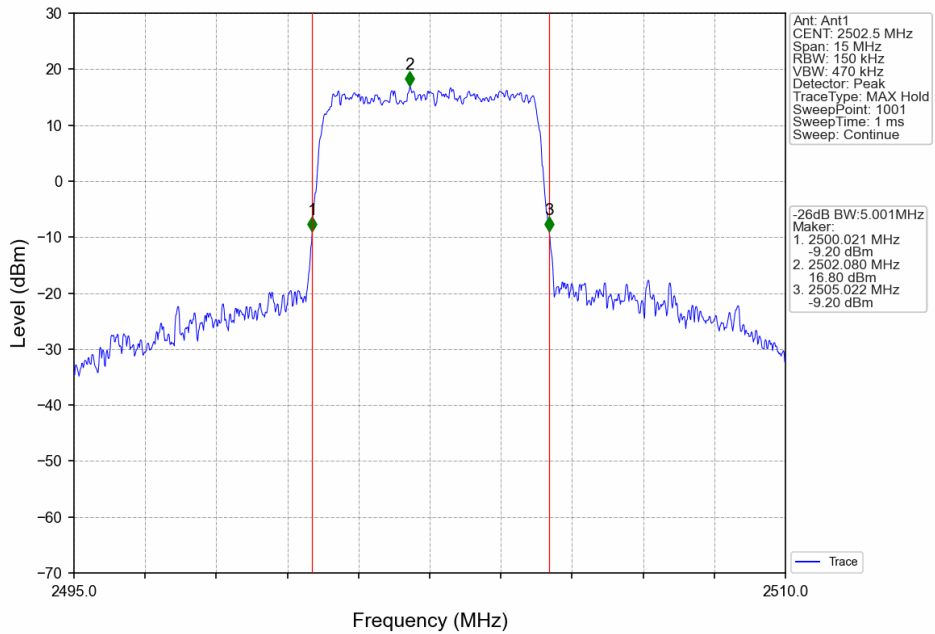
### 4.2.2 Test Graph



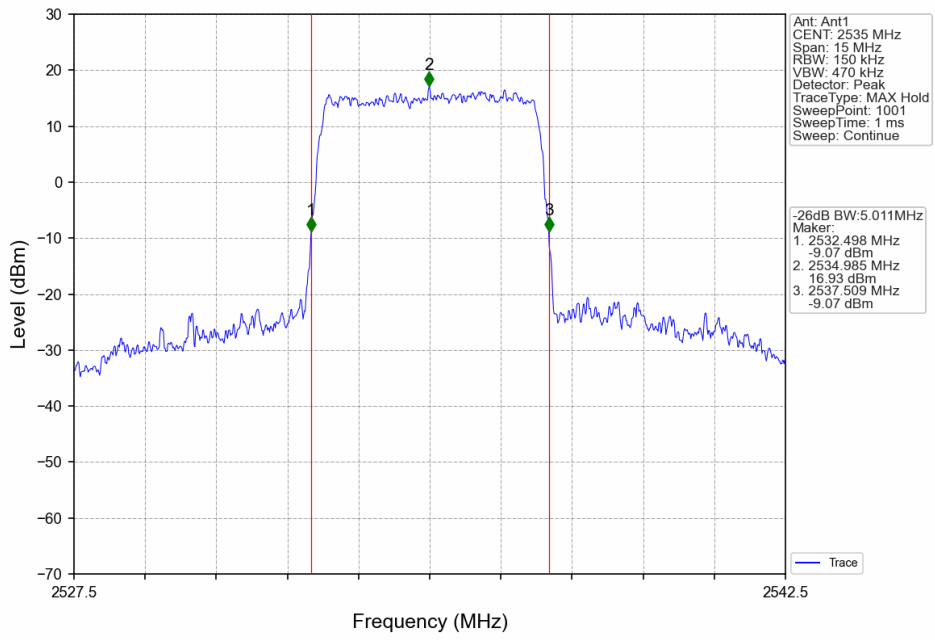
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



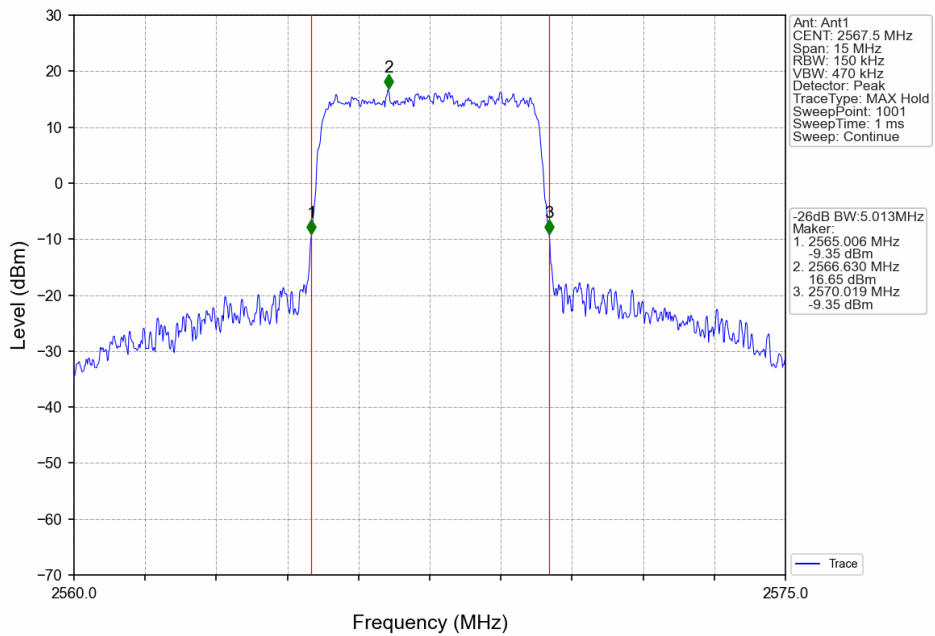
Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV

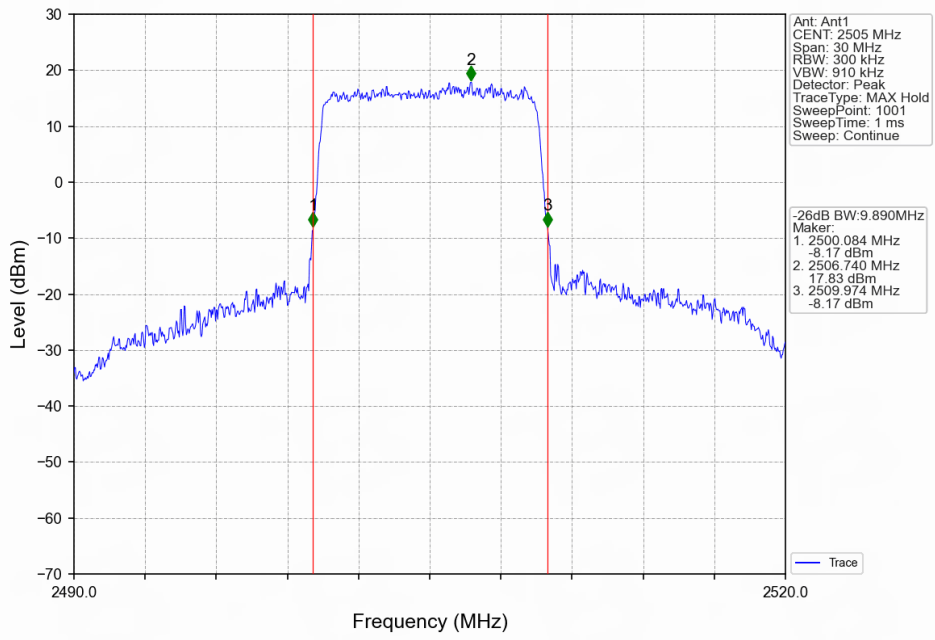


Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV

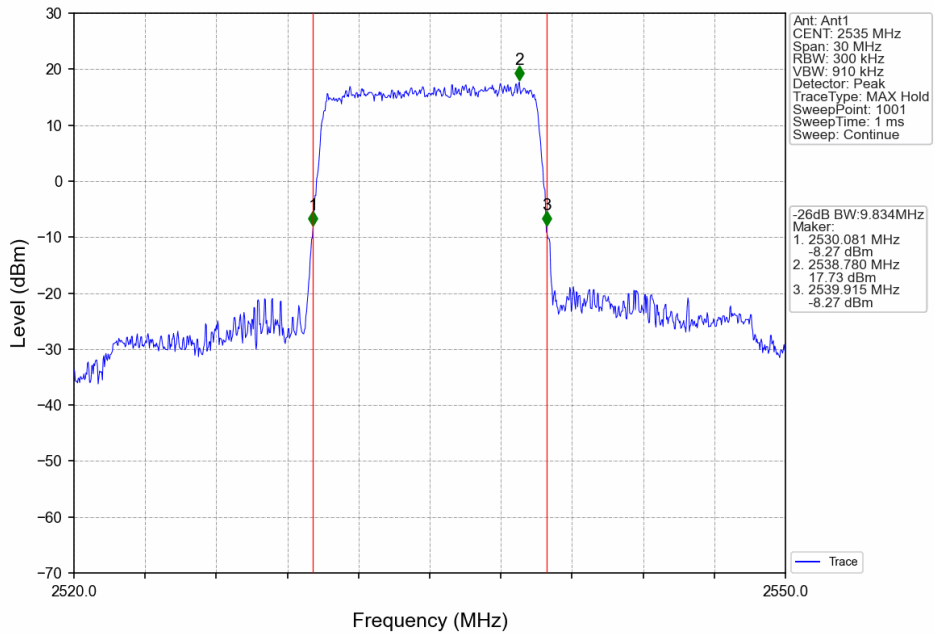




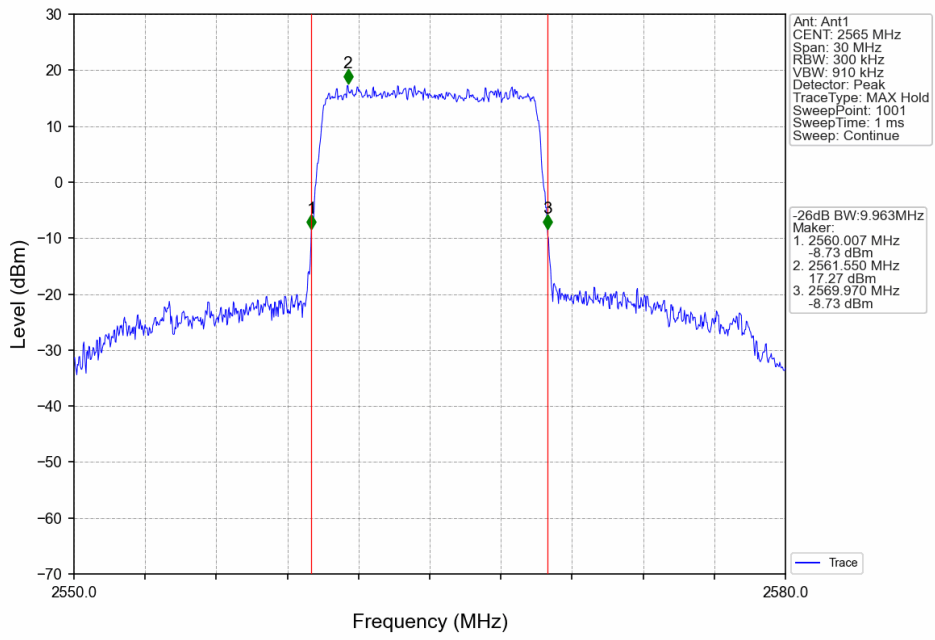
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV



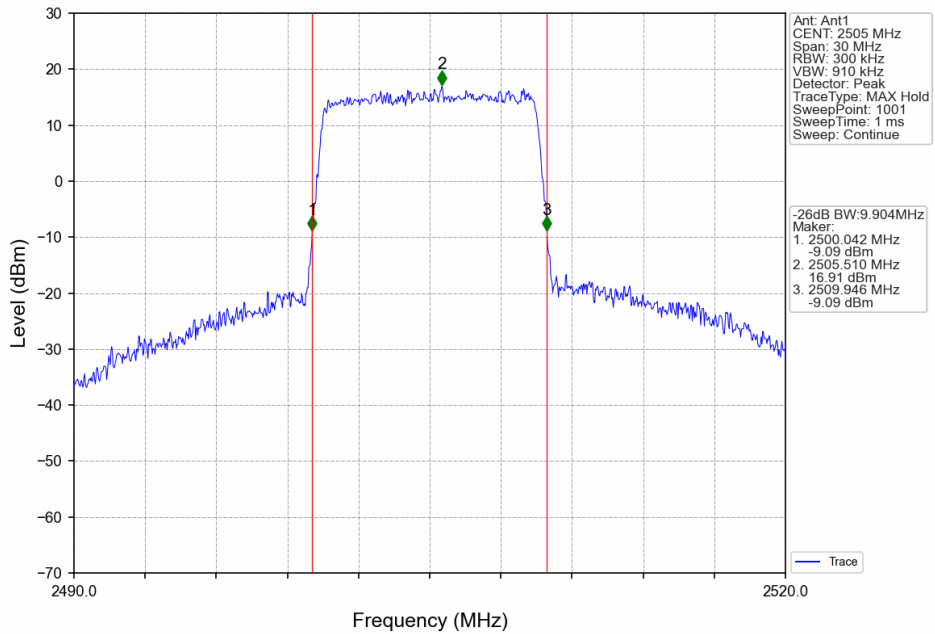
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



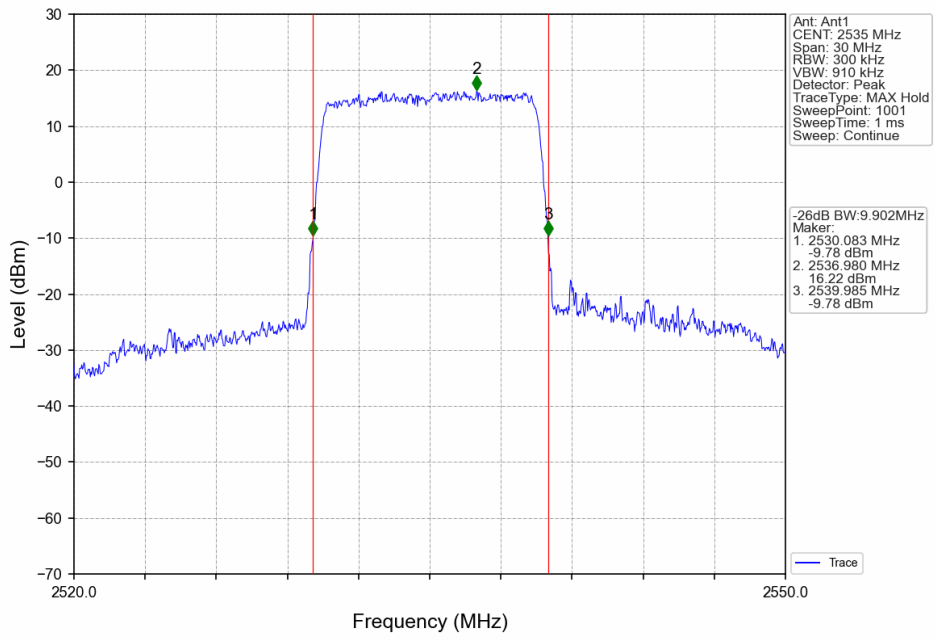
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



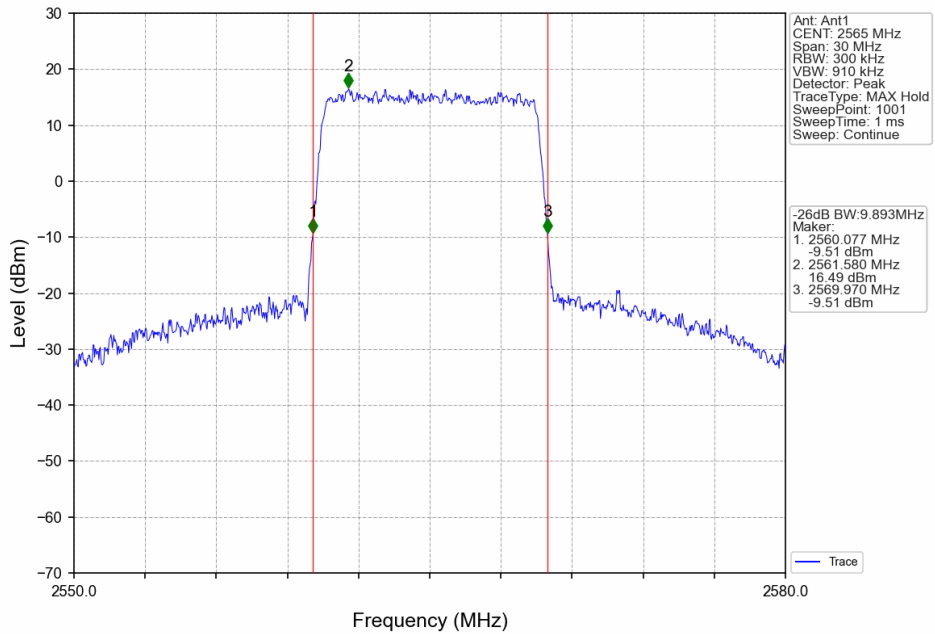
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



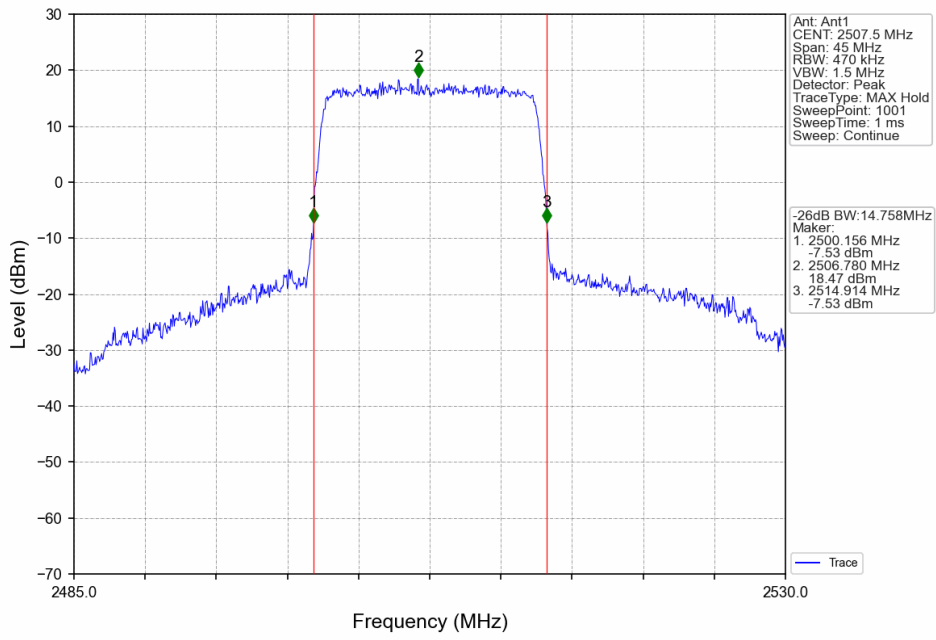
Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



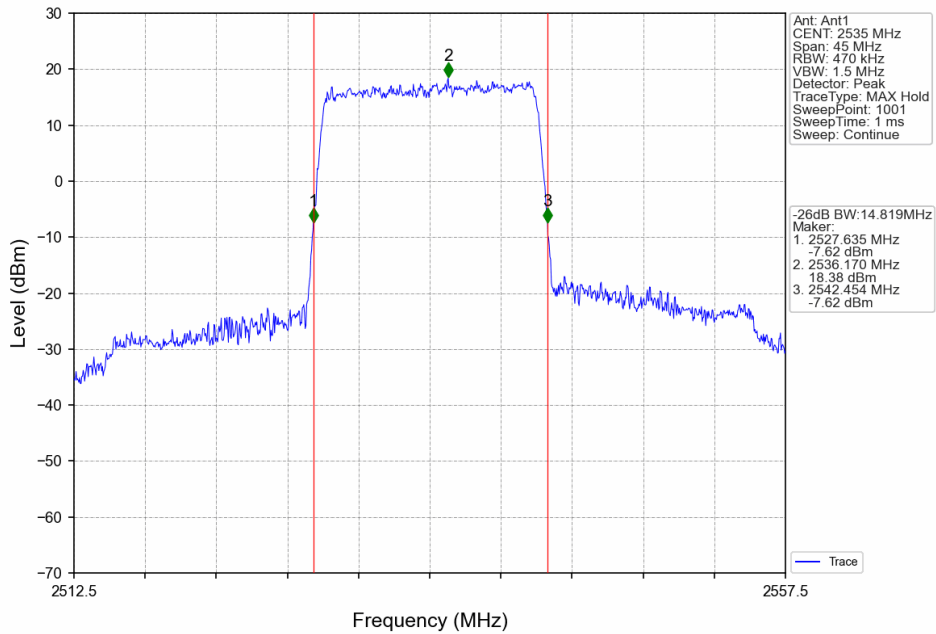
Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



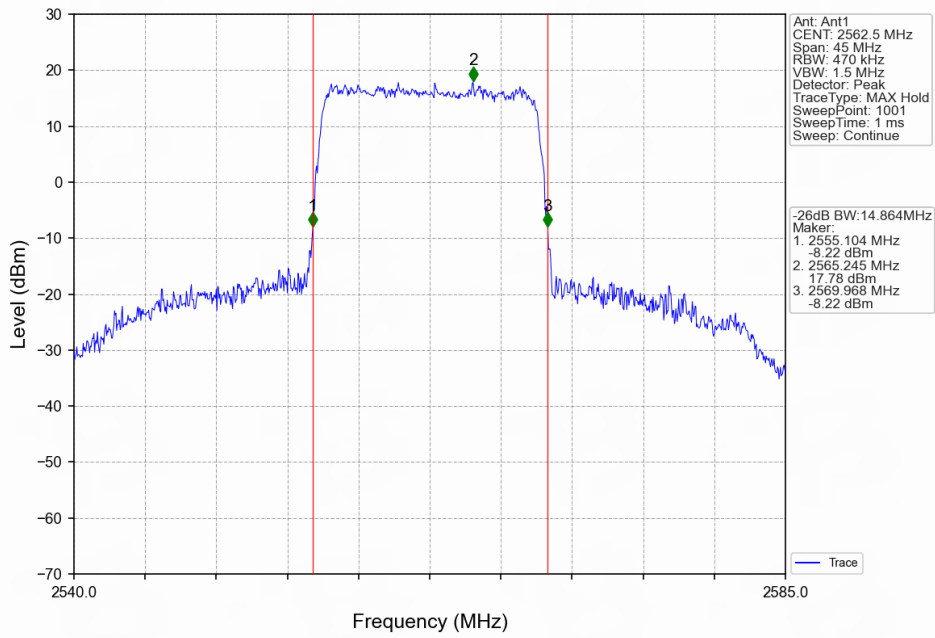
Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



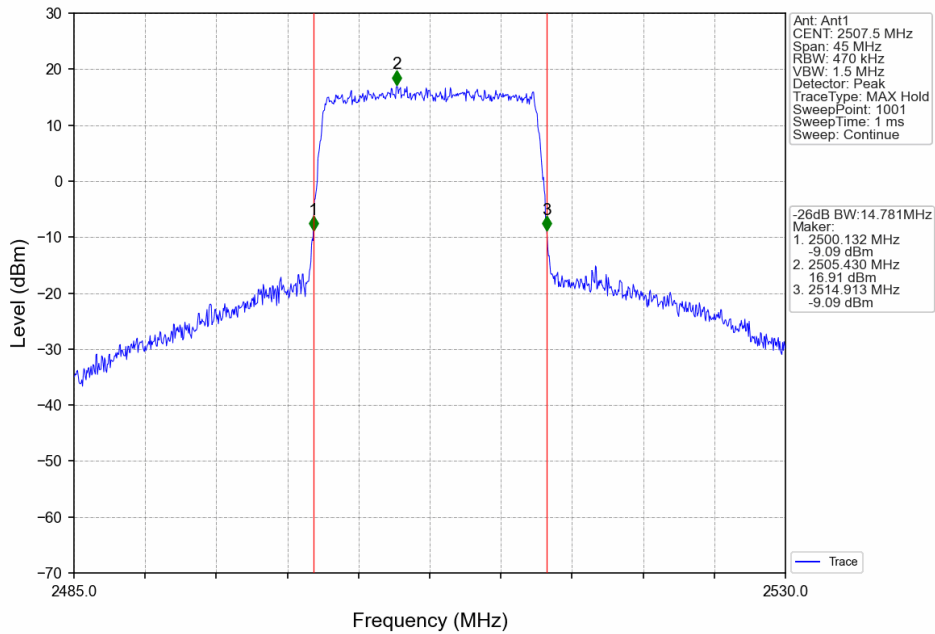
Band7\_15MHz\_QPSK\_MCH\_2535MHz\_RB\_75\_0\_NTNV



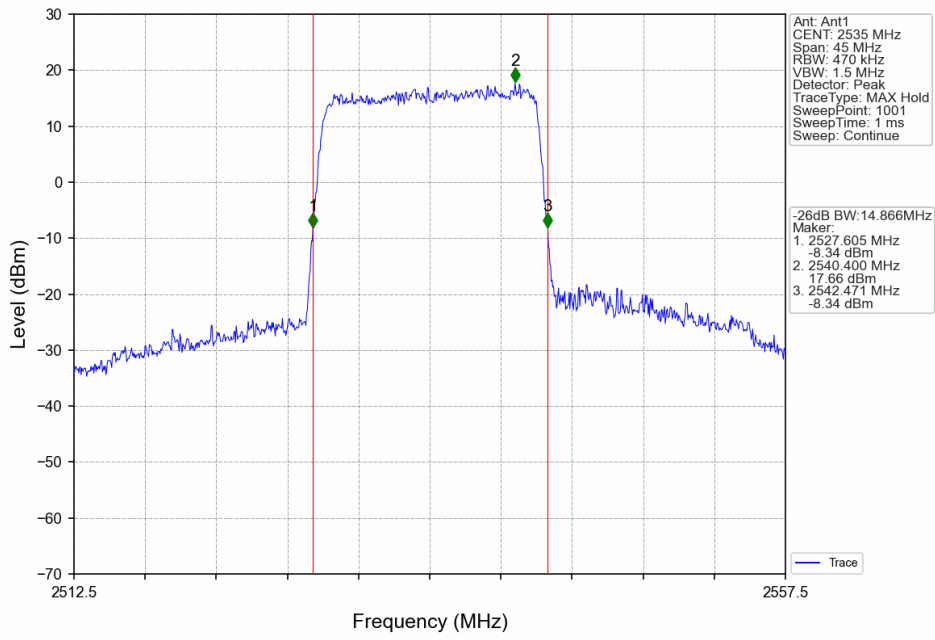
Band7\_15MHz\_QPSK\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



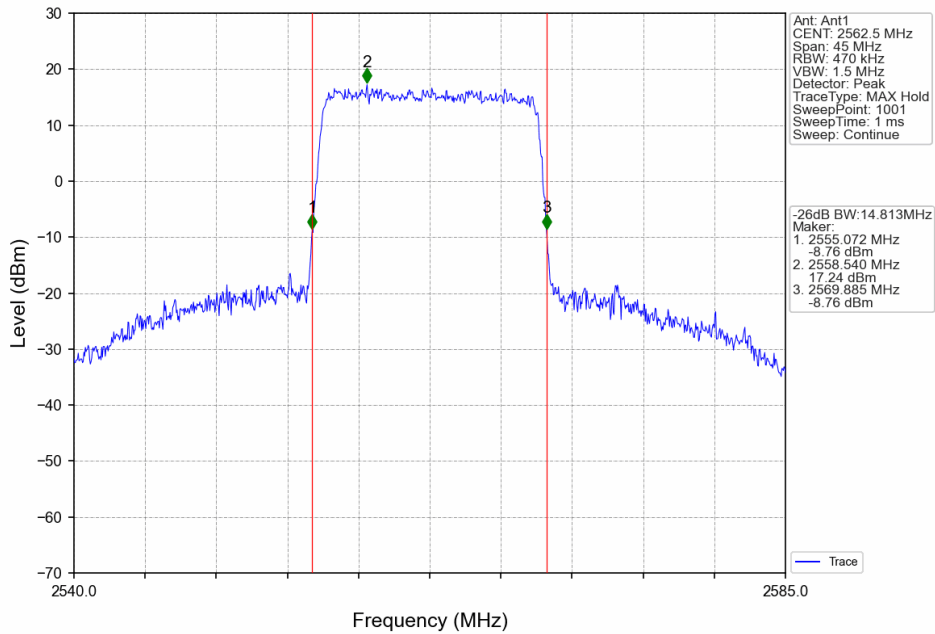
Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



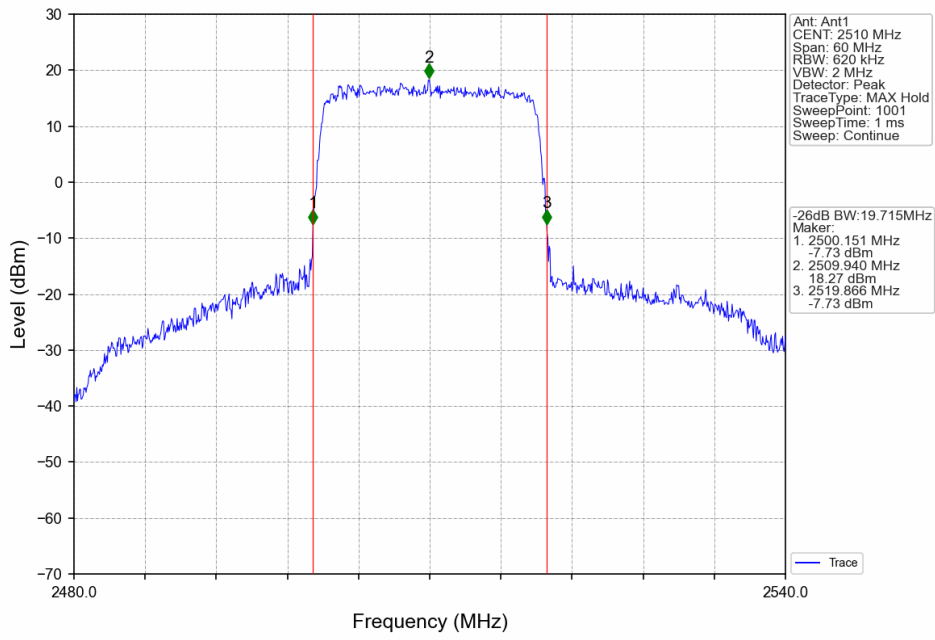
Band7\_15MHz\_16QAM\_MCH\_2535MHz\_RB\_75\_0\_NTNV



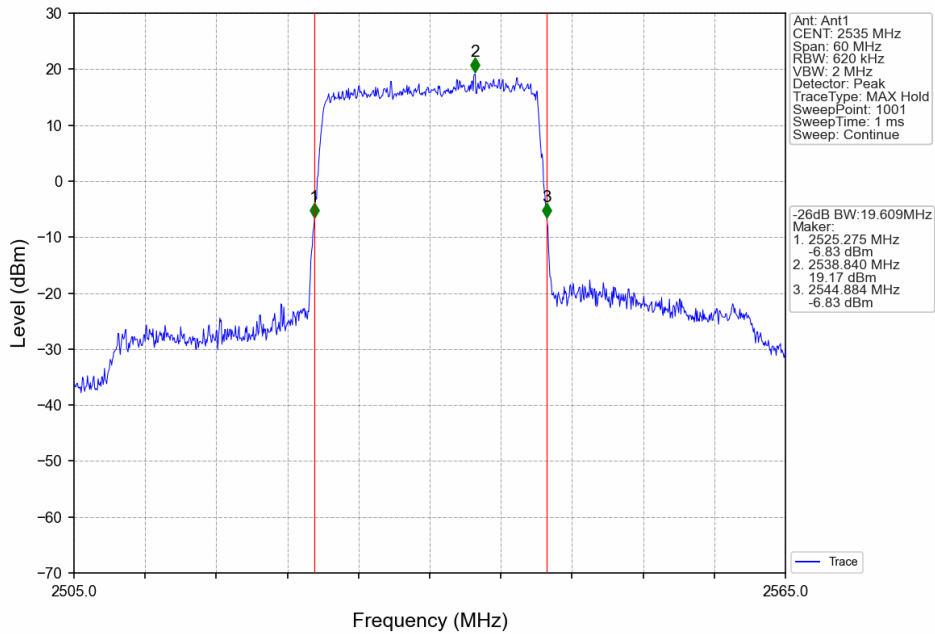
Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV



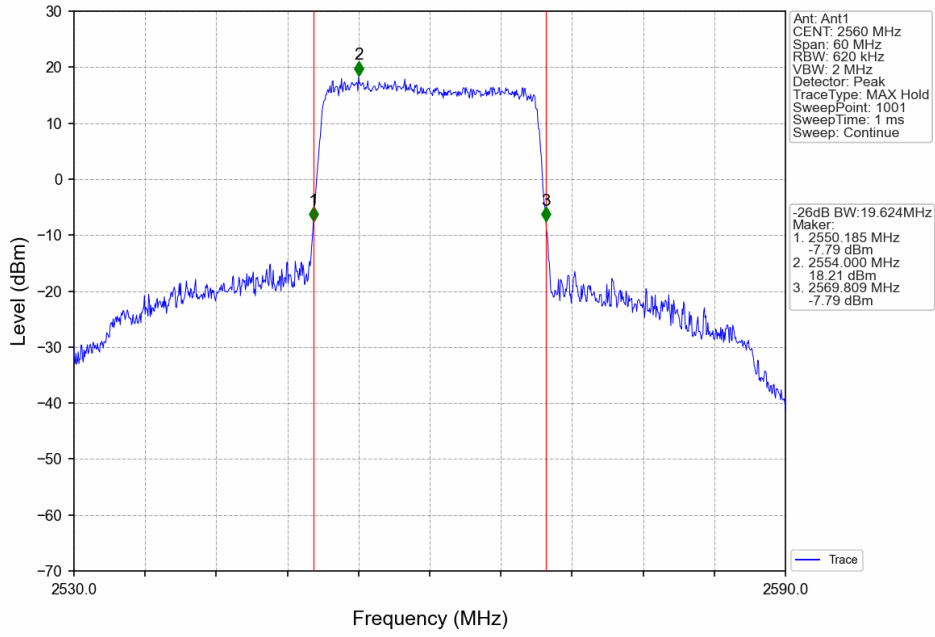
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



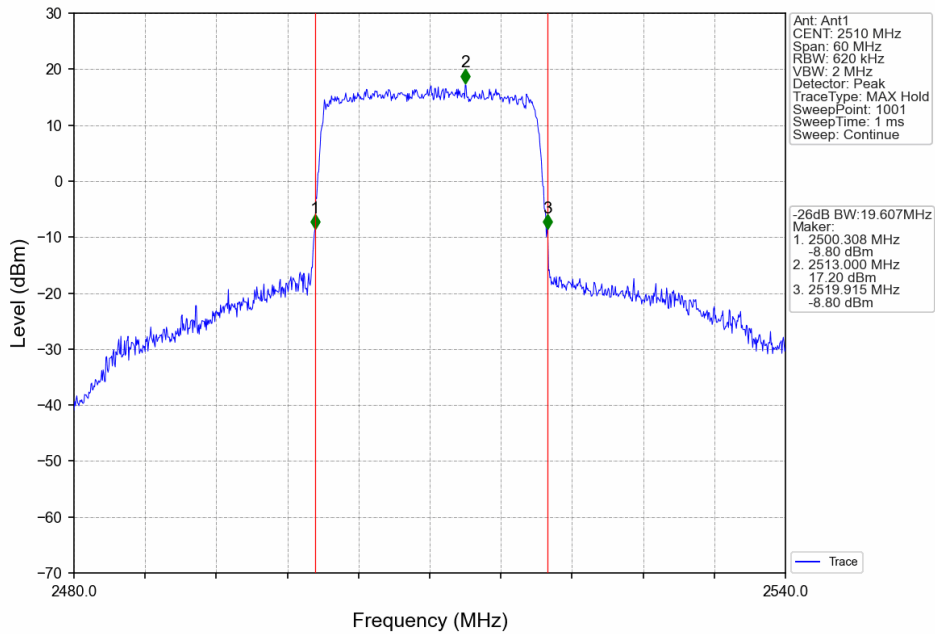
Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV

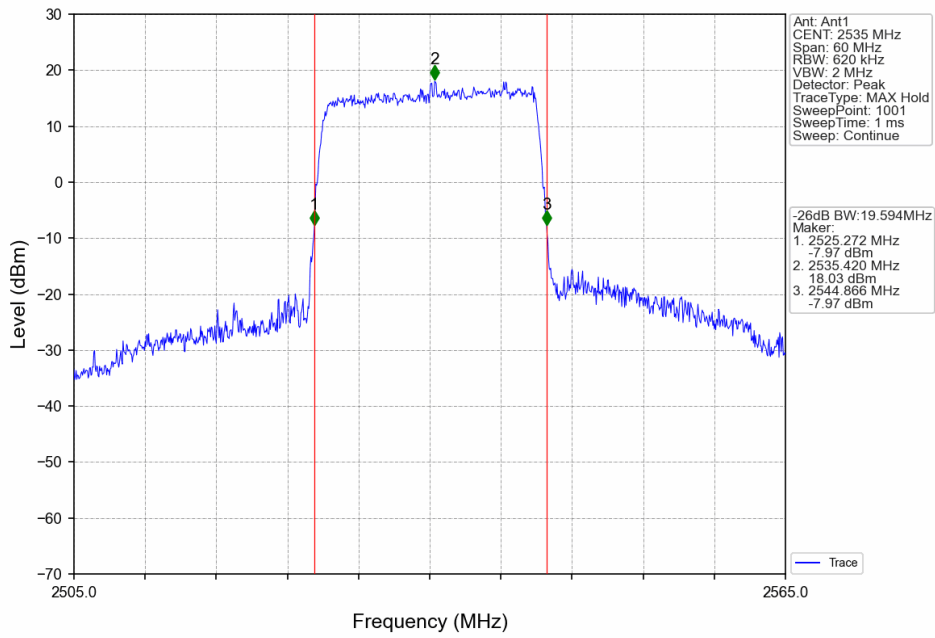


Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV

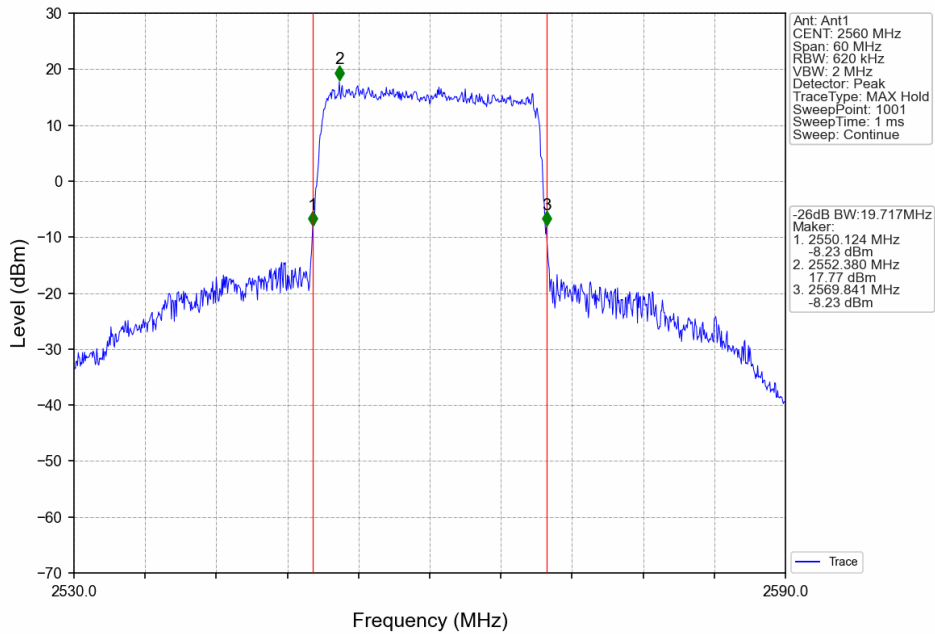




Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV



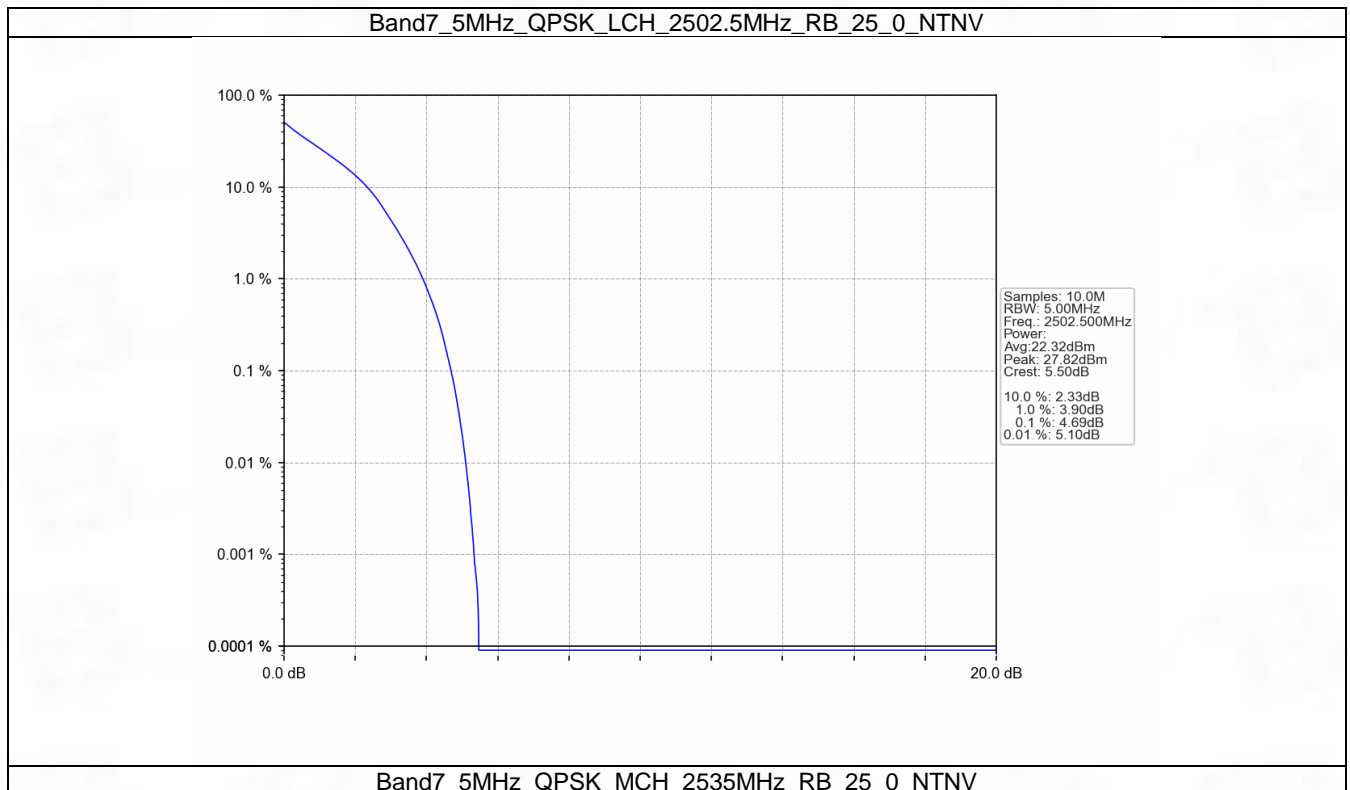
## 5. Peak-Average Ratio

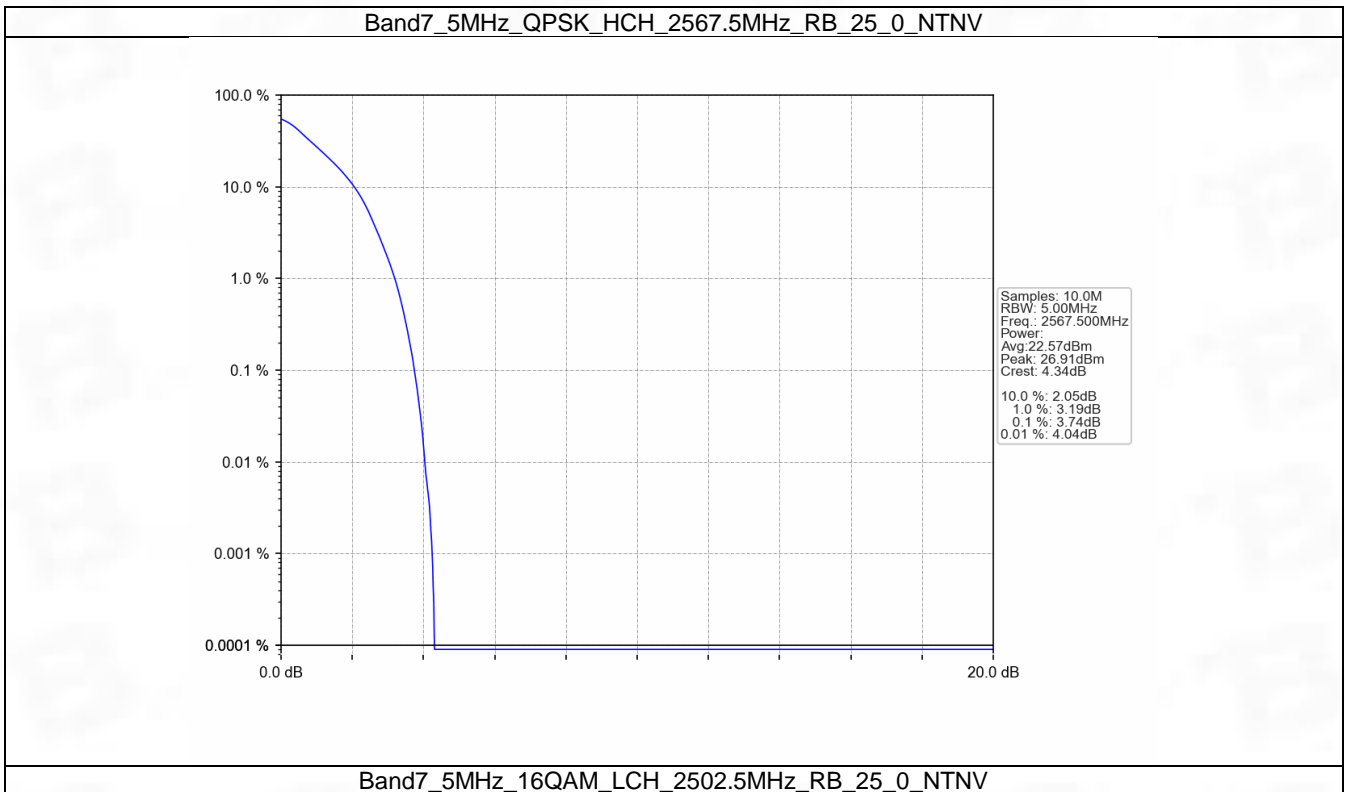
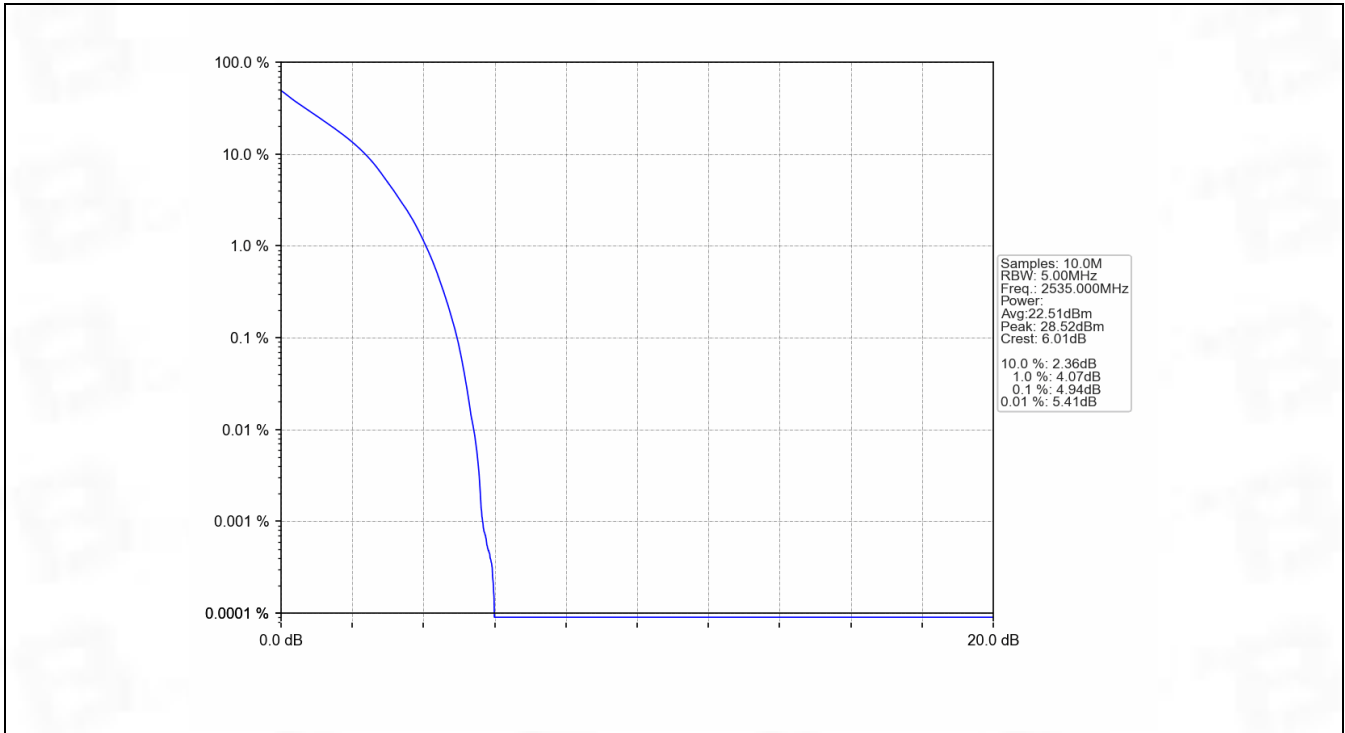
### 5.1 B7\_5MHz

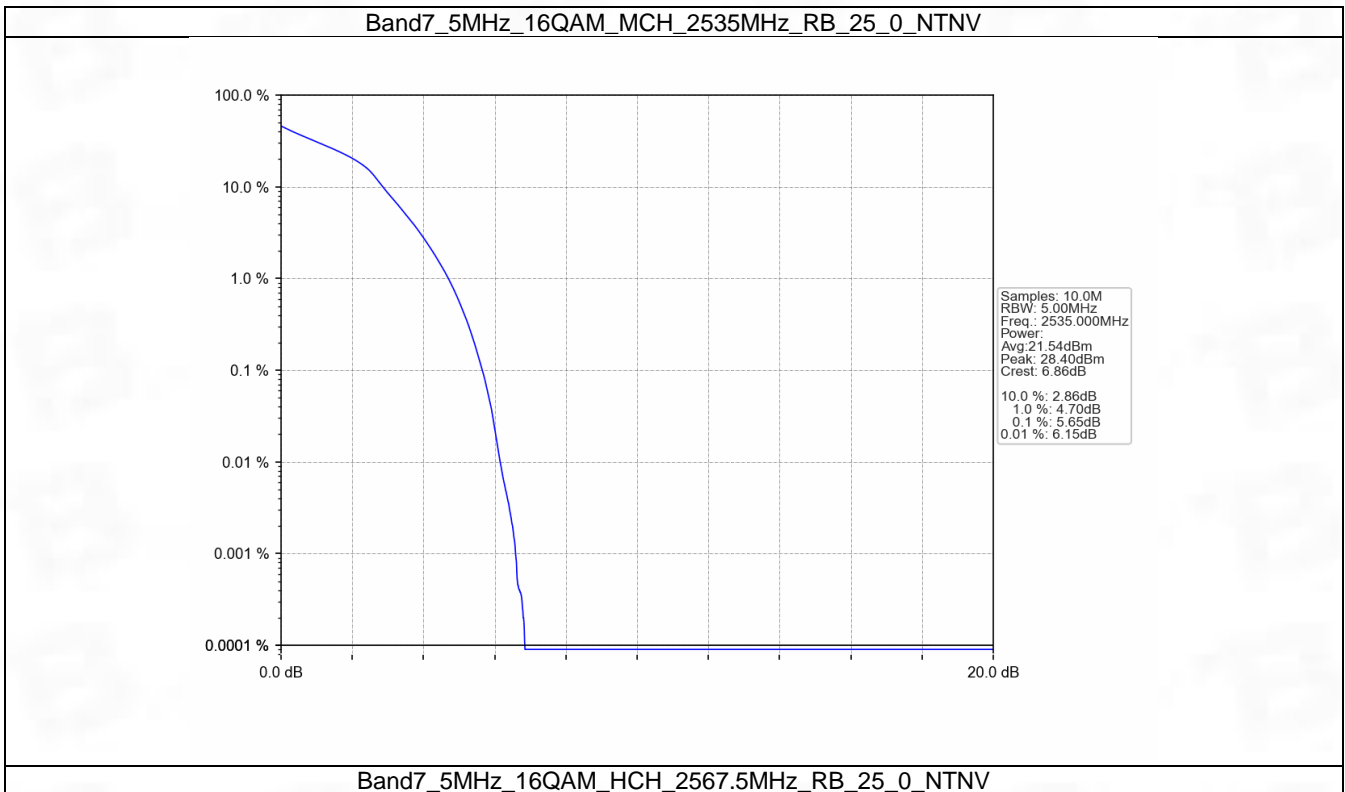
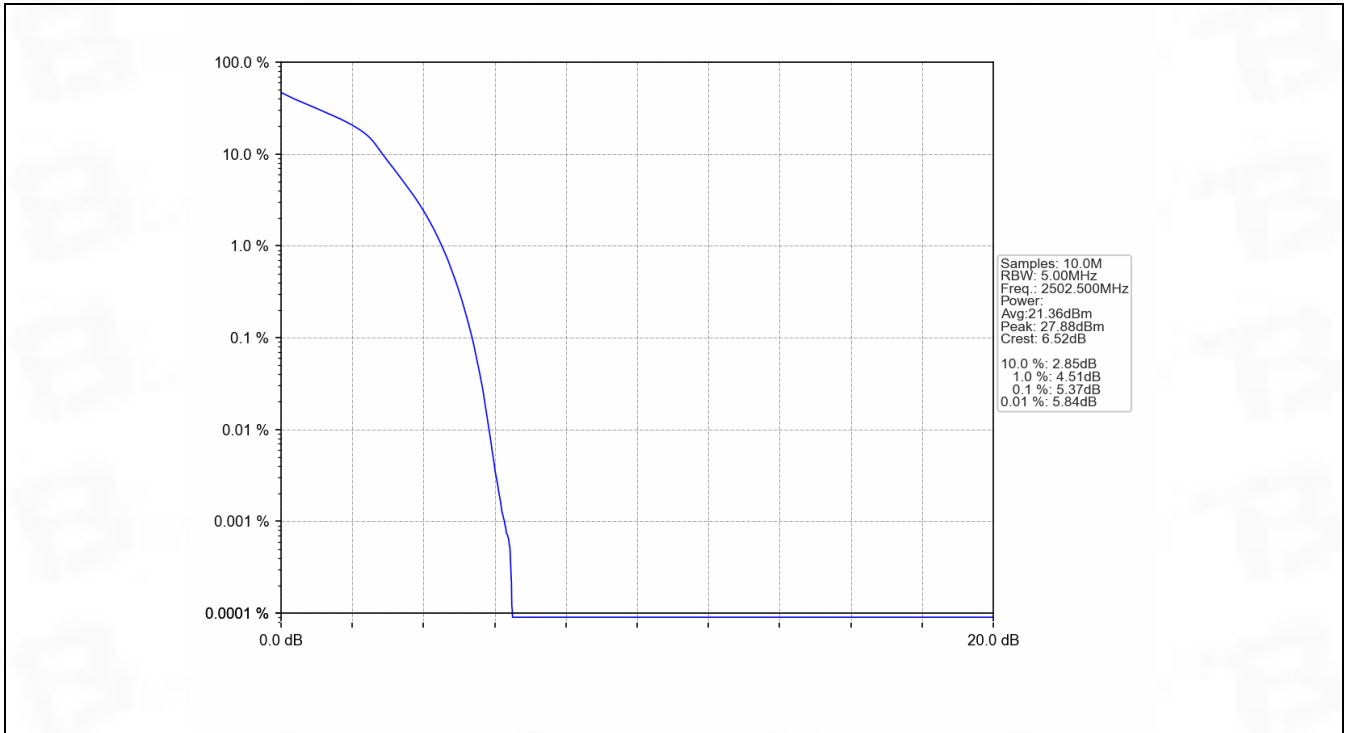
#### 5.1.1 Test Result

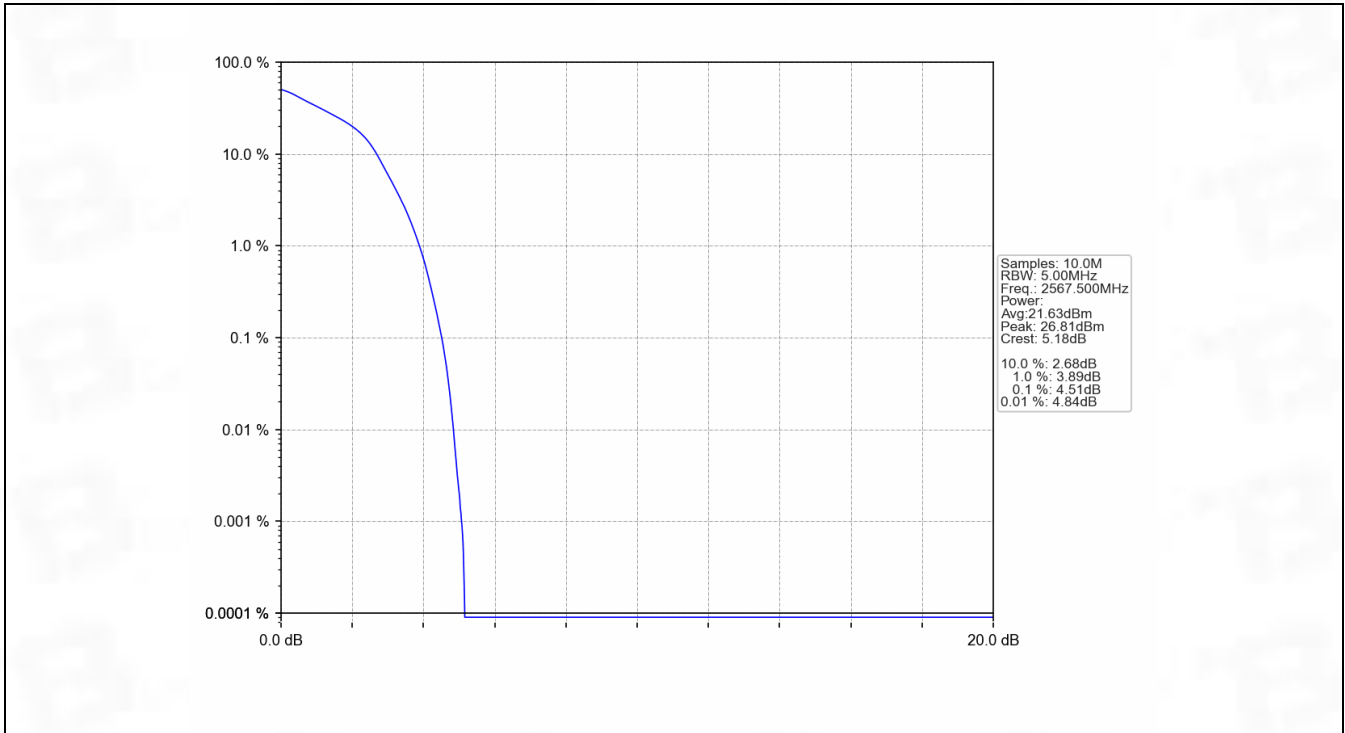
Band: 7 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	25	0	4.69	<=13	Pass
	2535	25	0	4.94	<=13	Pass
	2567.5	25	0	3.74	<=13	Pass
16QAM	2502.5	25	0	5.37	<=13	Pass
	2535	25	0	5.65	<=13	Pass
	2567.5	25	0	4.51	<=13	Pass

#### 5.1.2 Test Graph









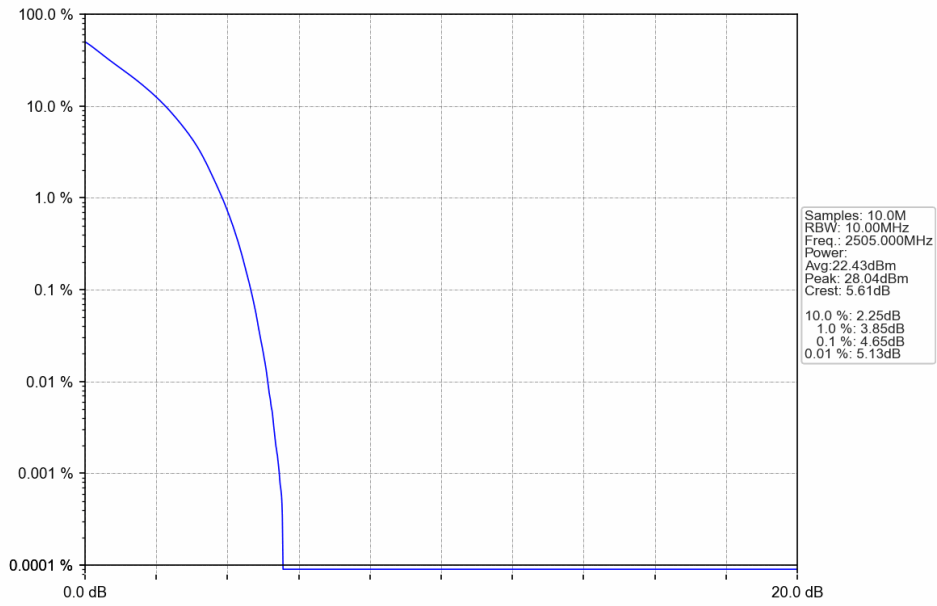
## 5.2 B7\_10MHz

### 5.2.1 Test Result

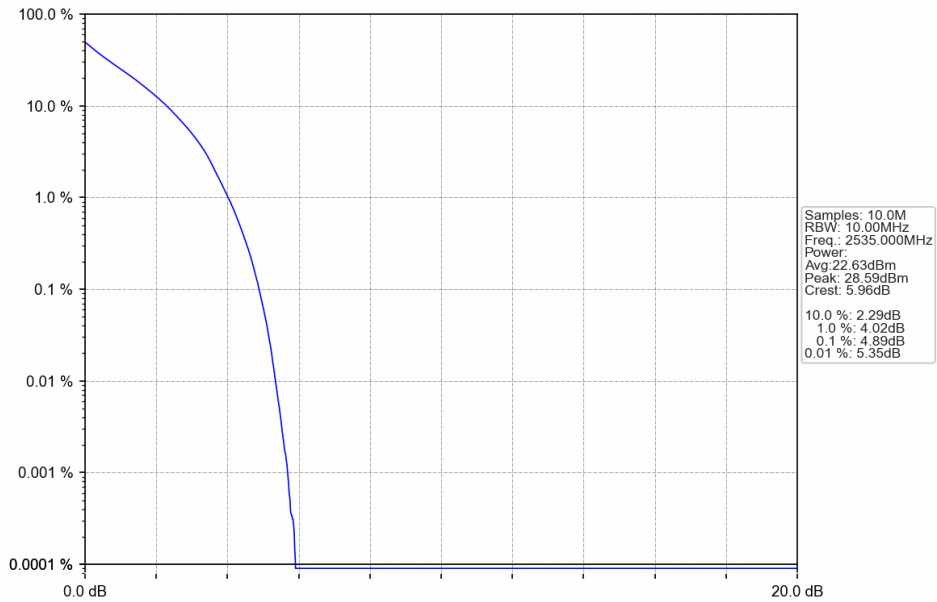
Band: 7 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	50	0	4.65	<=13	Pass
	2535	50	0	4.89	<=13	Pass
	2565	50	0	4.02	<=13	Pass
16QAM	2505	50	0	5.40	<=13	Pass
	2535	50	0	5.66	<=13	Pass
	2565	50	0	4.81	<=13	Pass

### 5.2.2 Test Graph

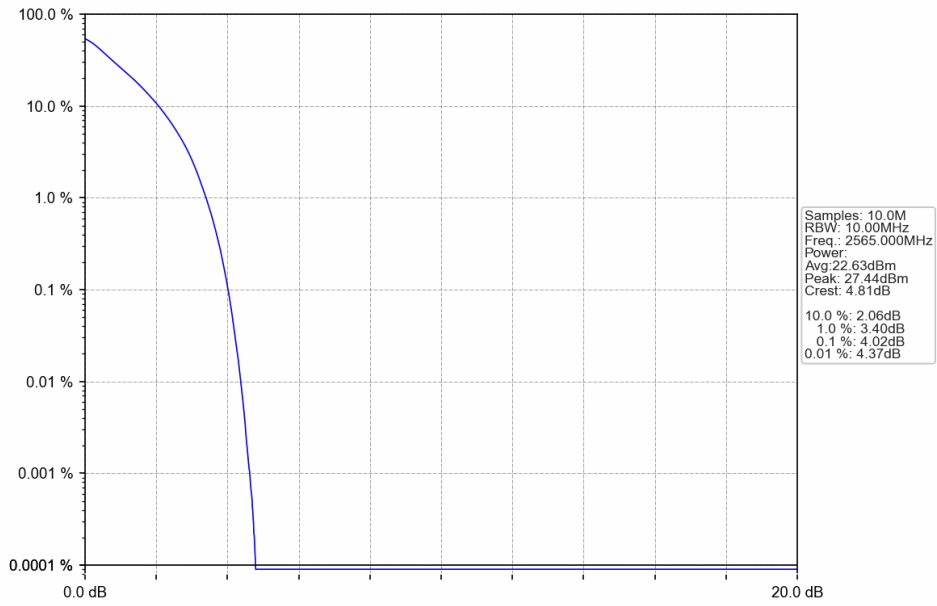
Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTV



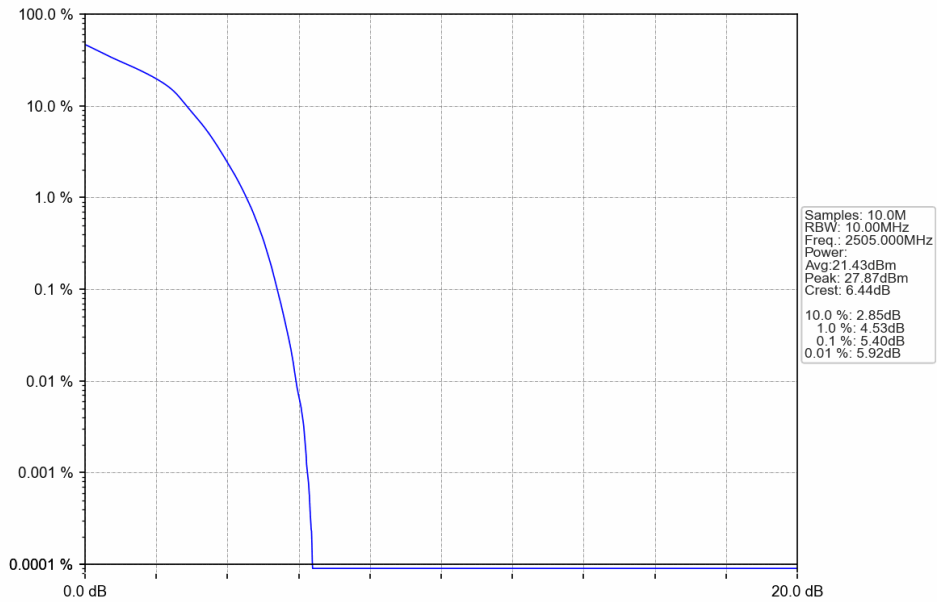
Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



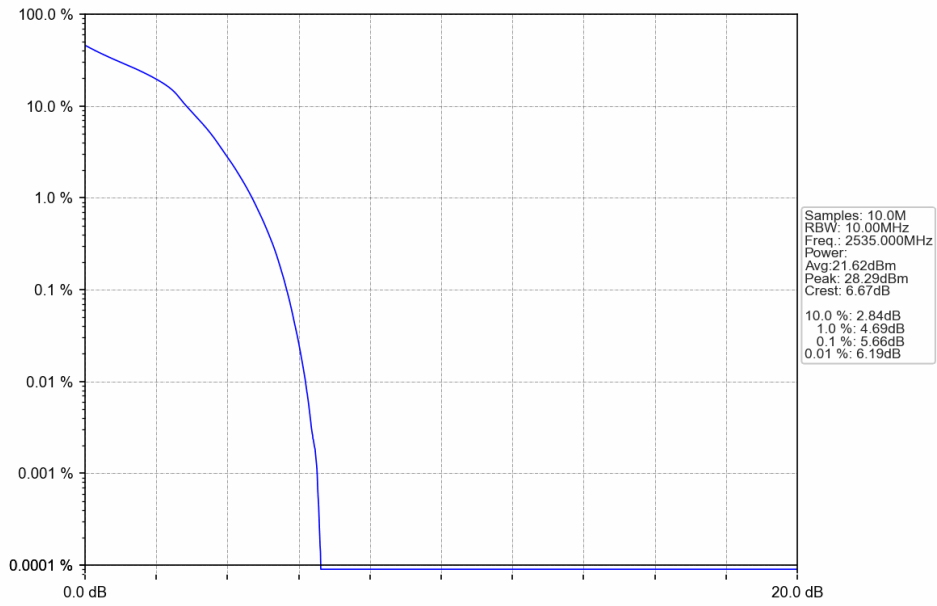
Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV



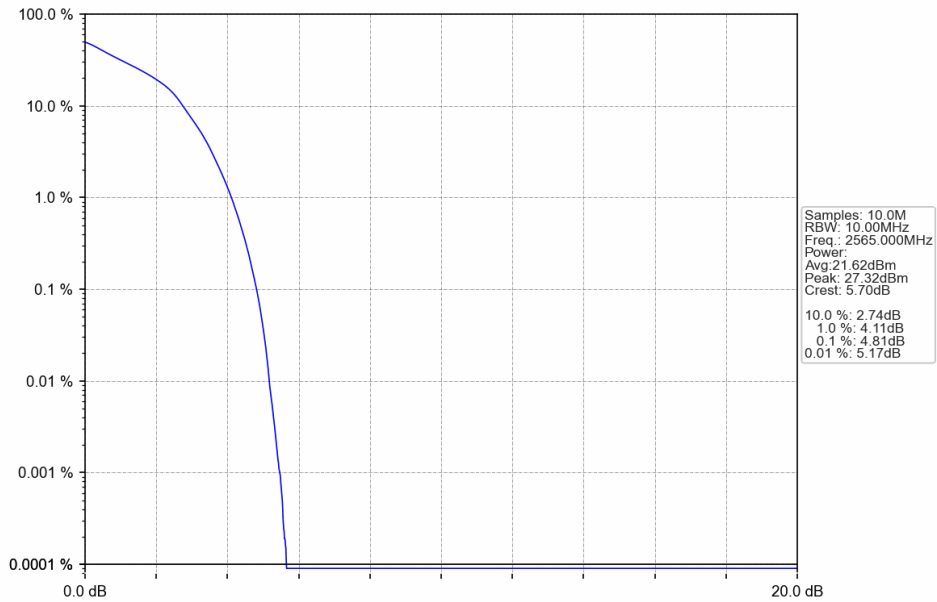
Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



Band7\_10MHz\_16QAM\_MCH\_2535MHz\_RB\_50\_0\_NTNV



Band7\_10MHz\_16QAM\_HCH\_2565MHz\_RB\_50\_0\_NTNV



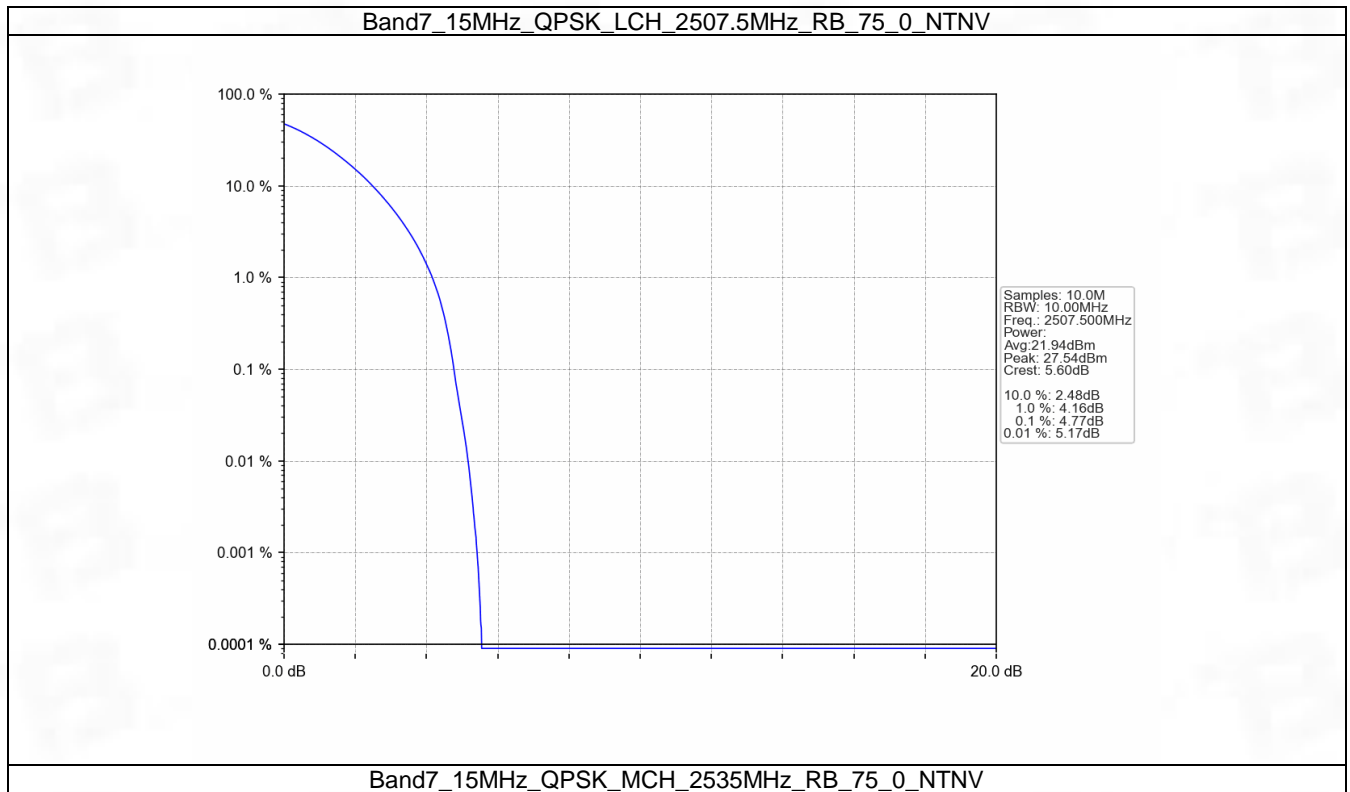
5.3 B7\_15MHz

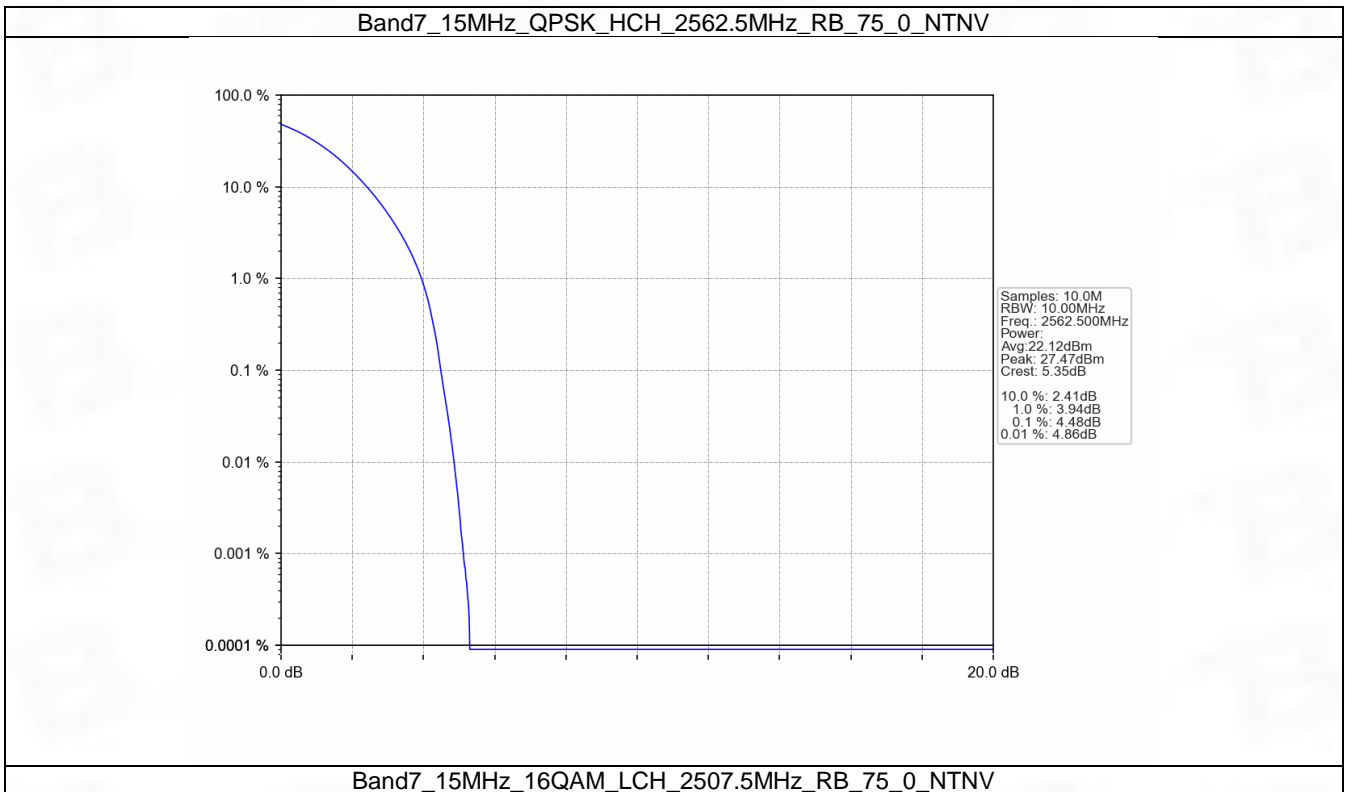
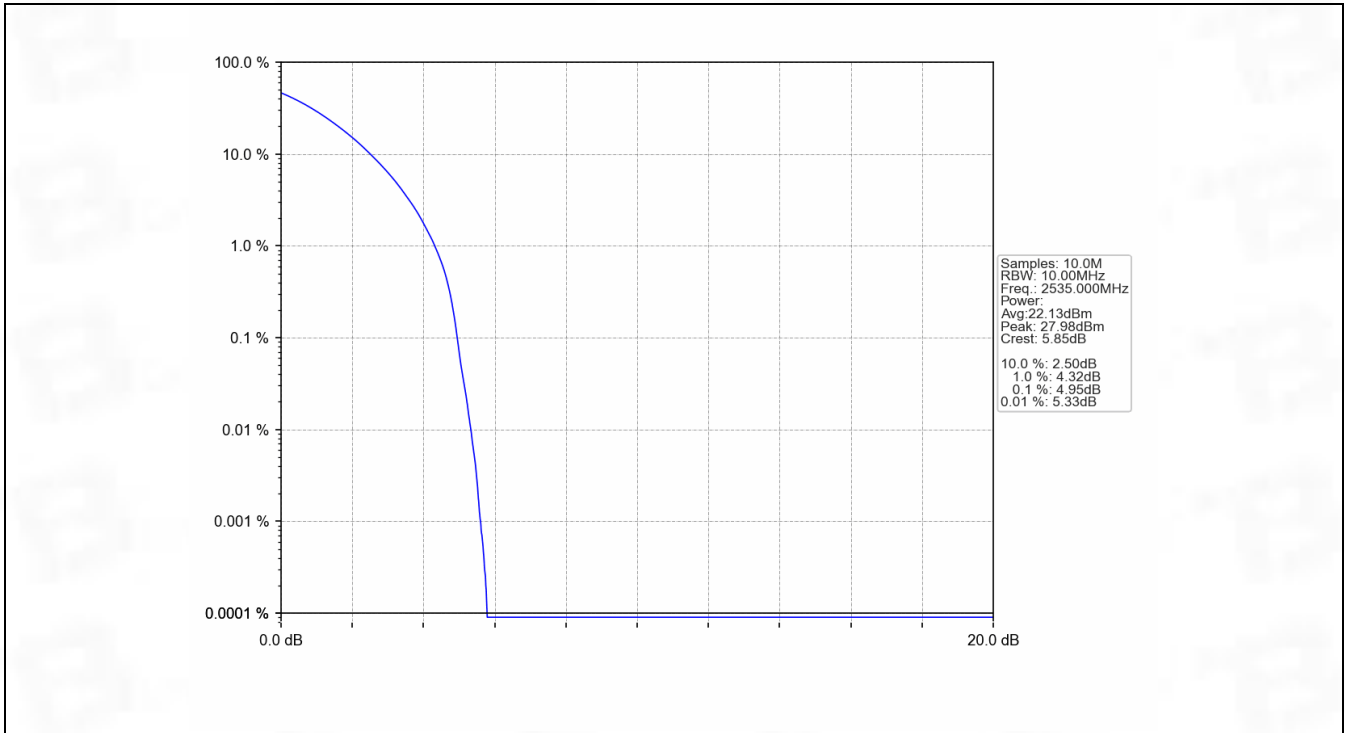


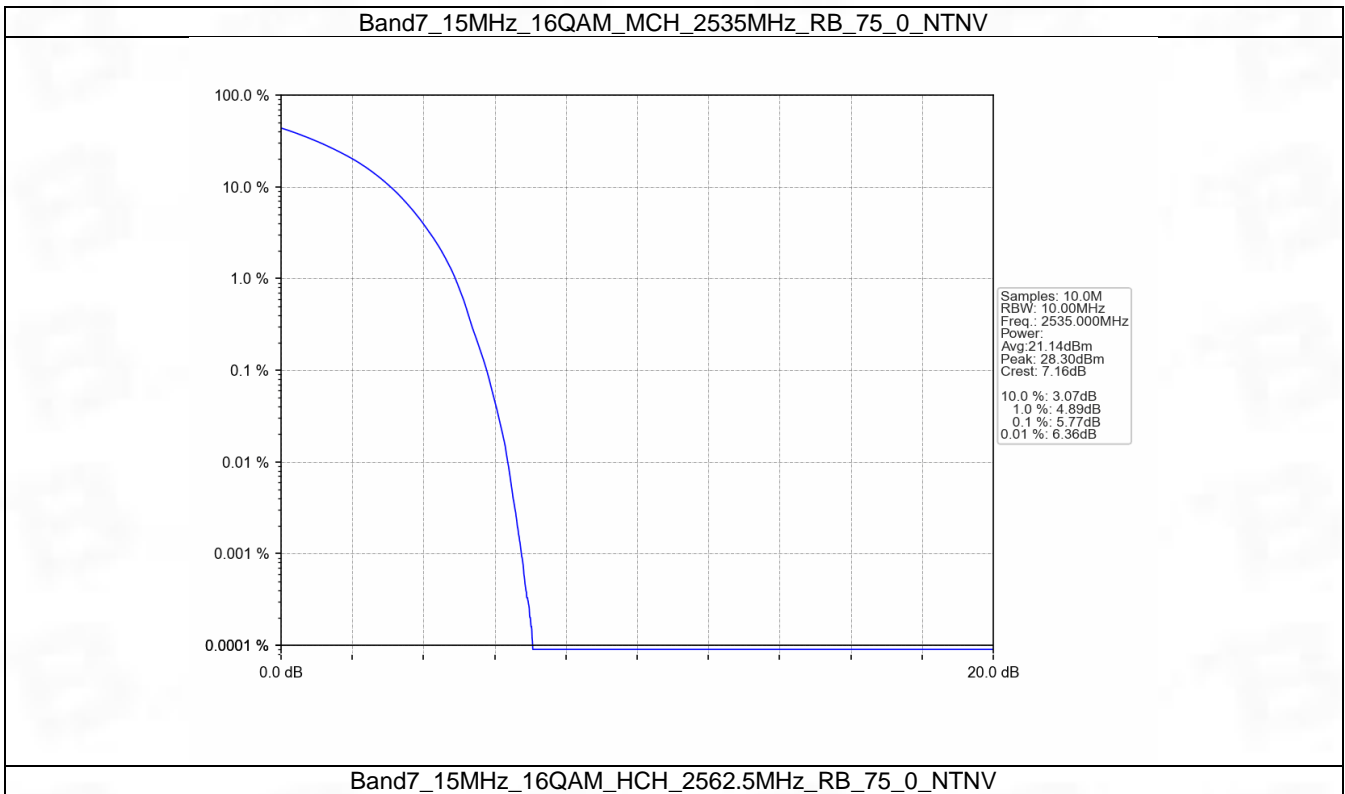
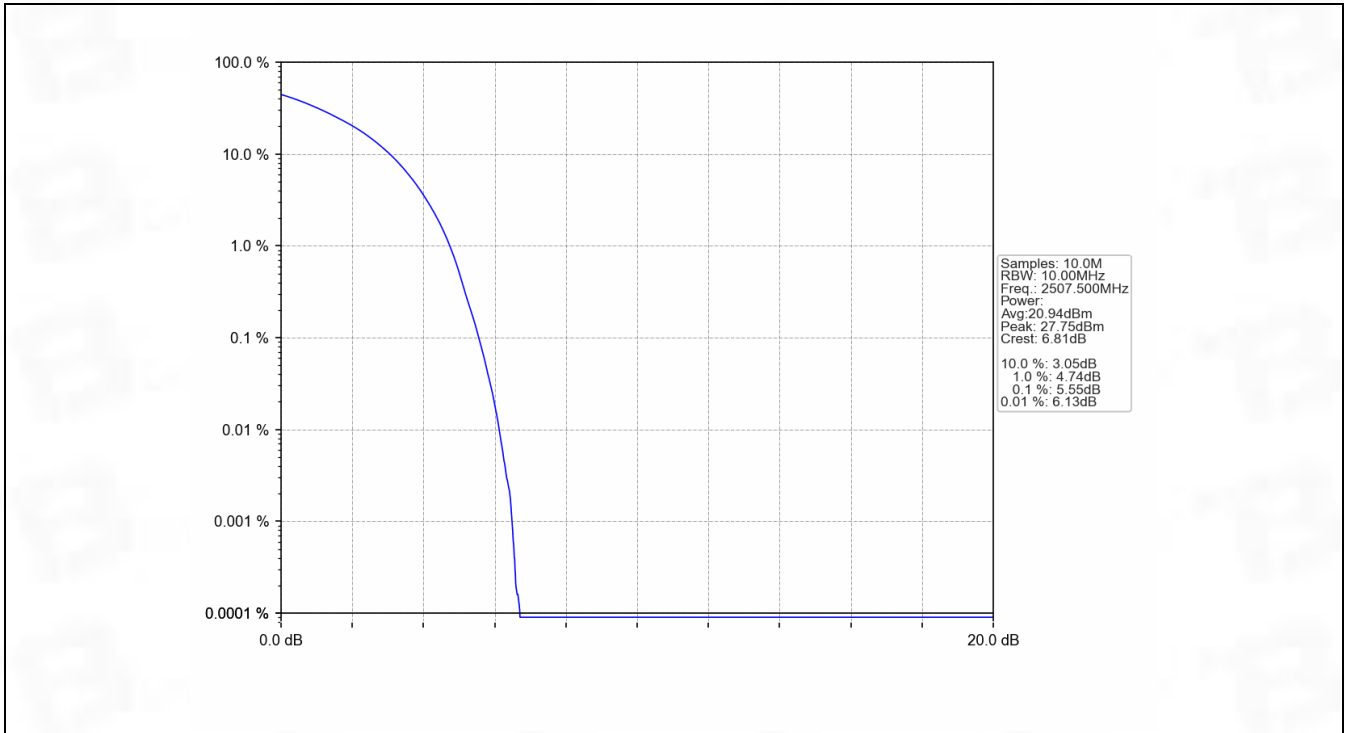
### 5.3.1 Test Result

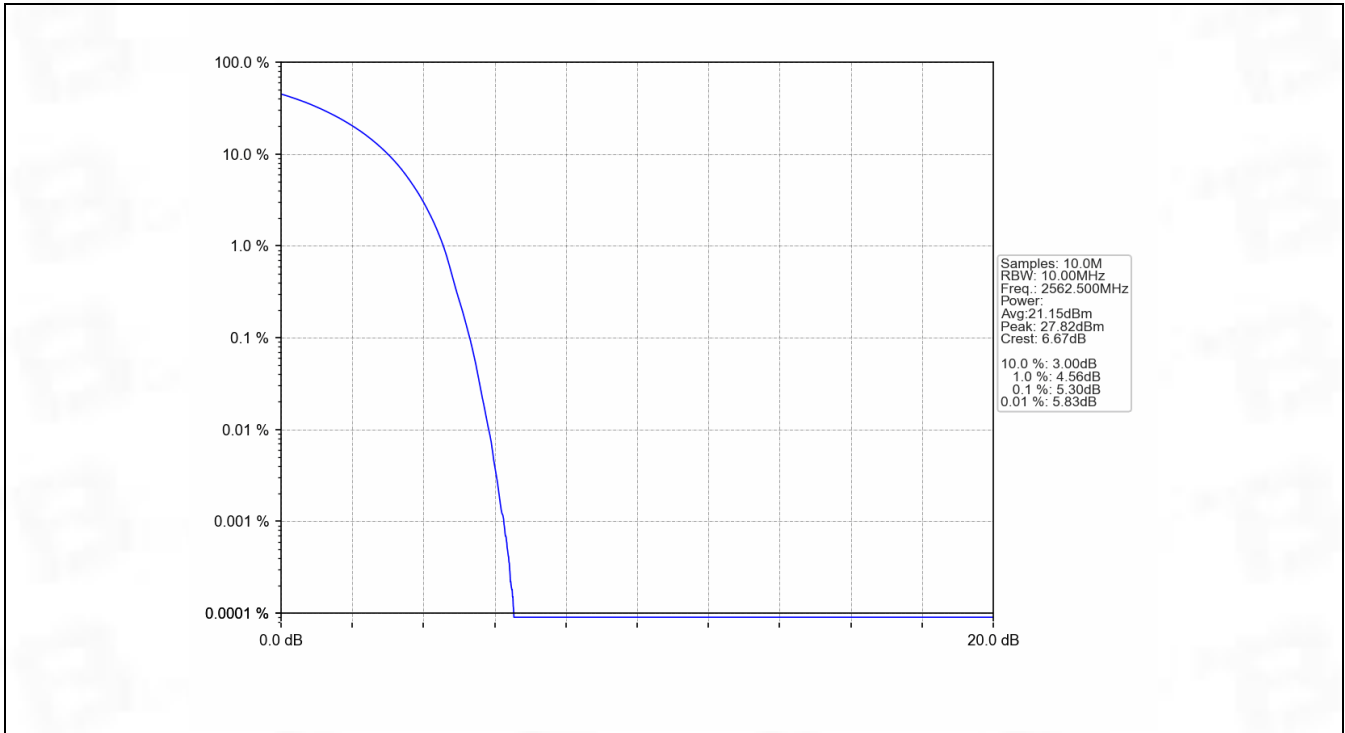
Band: 7 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	4.77	<=13	Pass
	2535	75	0	4.95	<=13	Pass
	2562.5	75	0	4.48	<=13	Pass
16QAM	2507.5	75	0	5.55	<=13	Pass
	2535	75	0	5.77	<=13	Pass
	2562.5	75	0	5.30	<=13	Pass

### 5.3.2 Test Graph









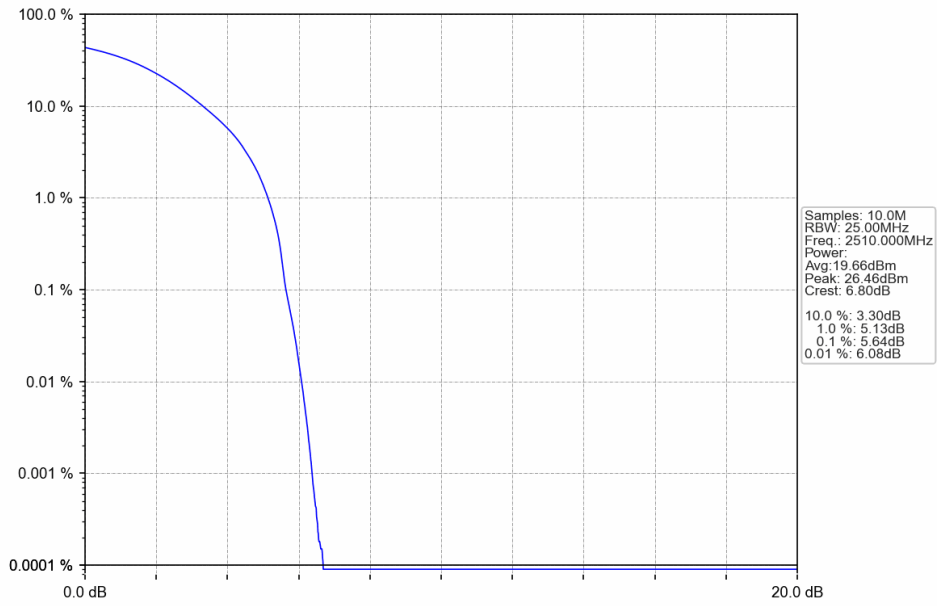
## 5.4 B7\_20MHz

### 5.4.1 Test Result

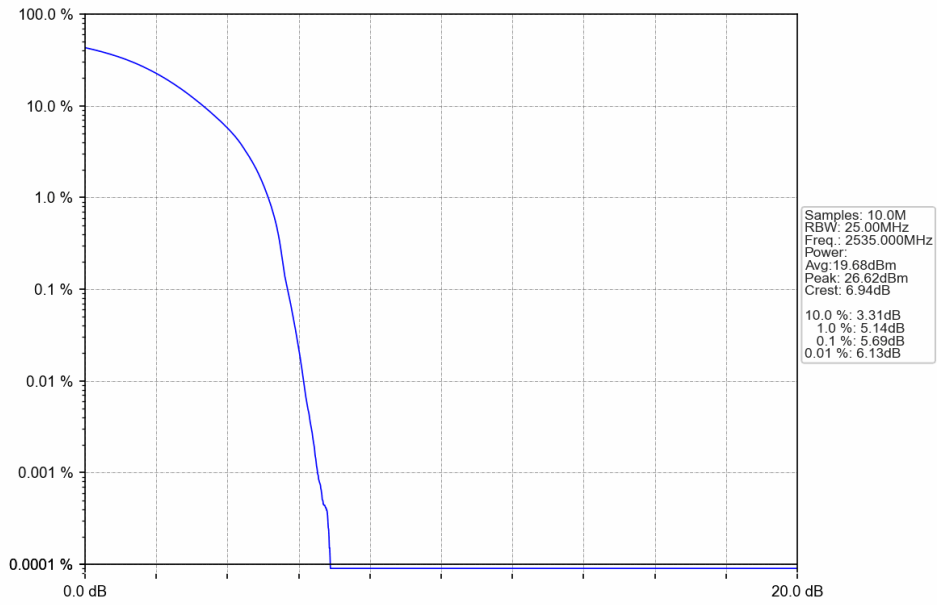
Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	5.64	<=13	Pass
	2535	100	0	5.69	<=13	Pass
	2560	100	0	5.76	<=13	Pass
16QAM	2510	100	0	6.62	<=13	Pass
	2535	100	0	6.71	<=13	Pass
	2560	100	0	6.54	<=13	Pass

### 5.4.2 Test Graph

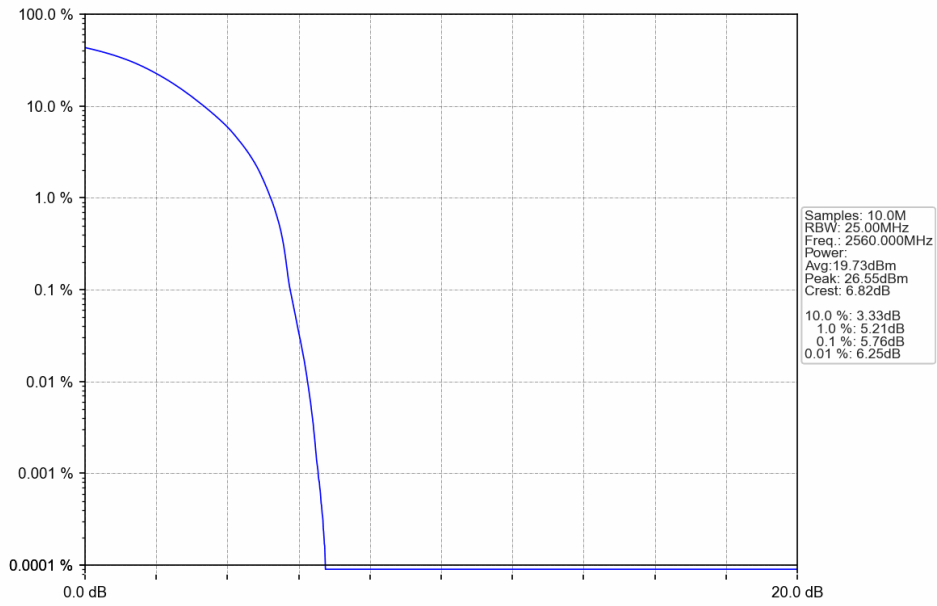
Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTV



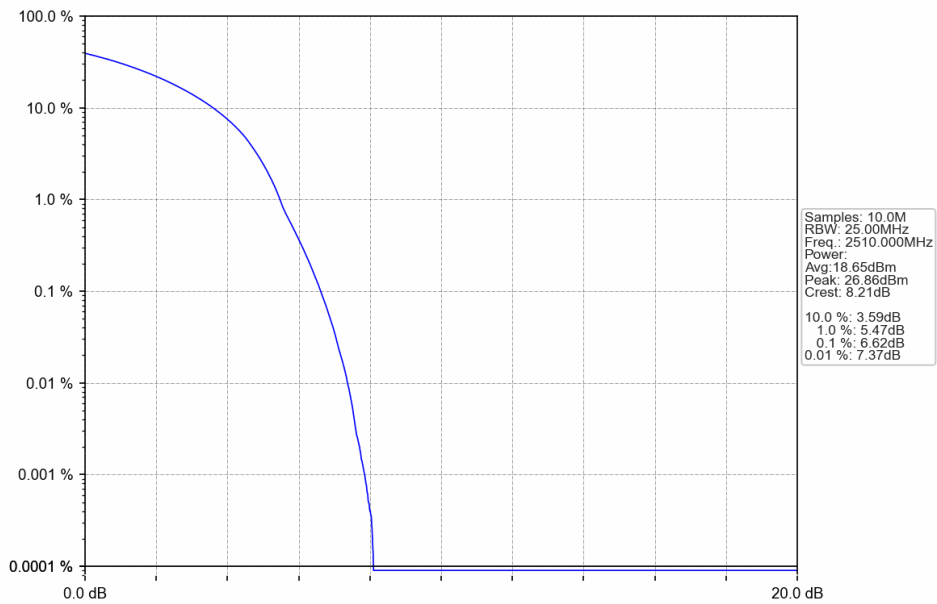
Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_100\_0\_NTNV



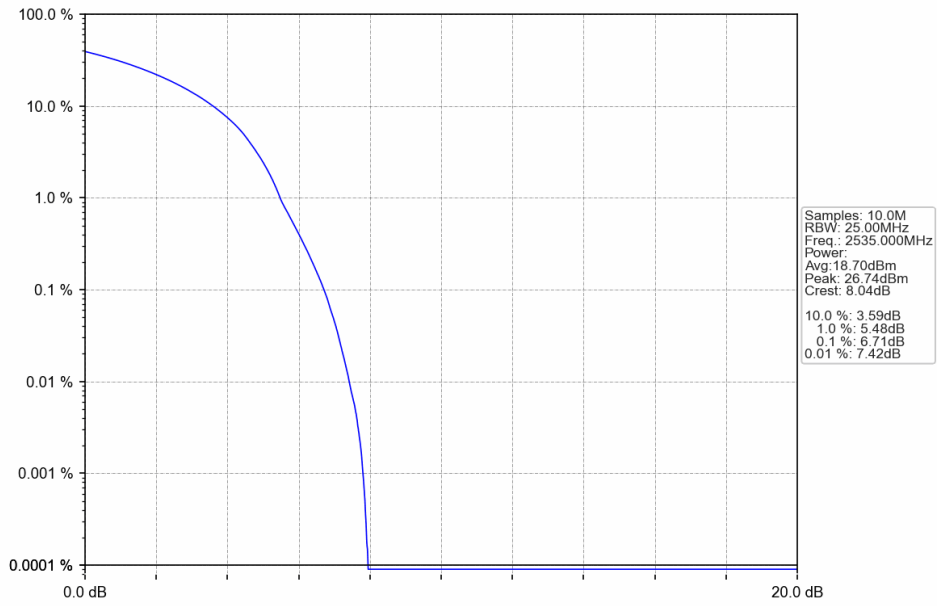
Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV



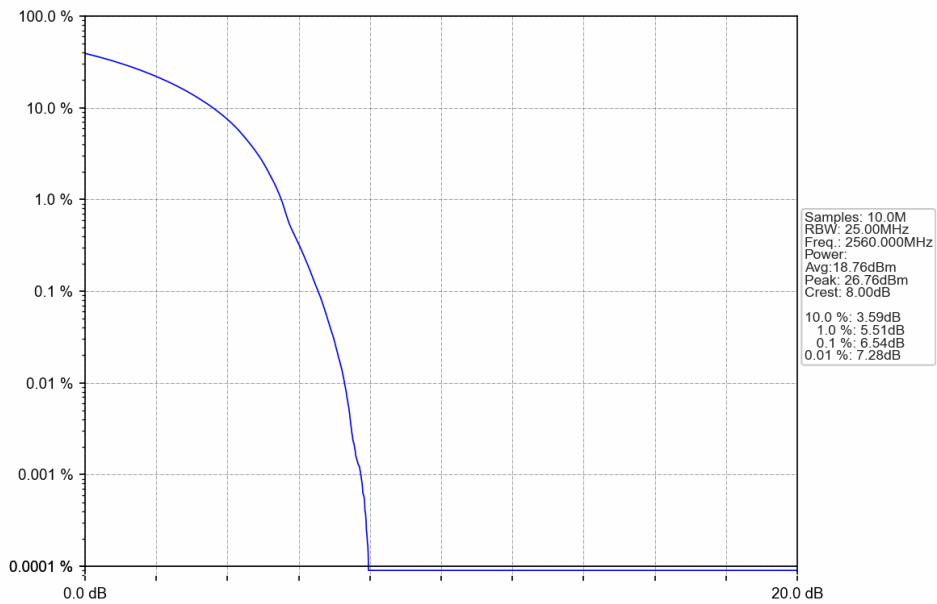
Band7\_20MHz\_16QAM\_LCH\_2510MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_MCH\_2535MHz\_RB\_100\_0\_NTNV



Band7\_20MHz\_16QAM\_HCH\_2560MHz\_RB\_100\_0\_NTNV



## 6. Spurious Emission

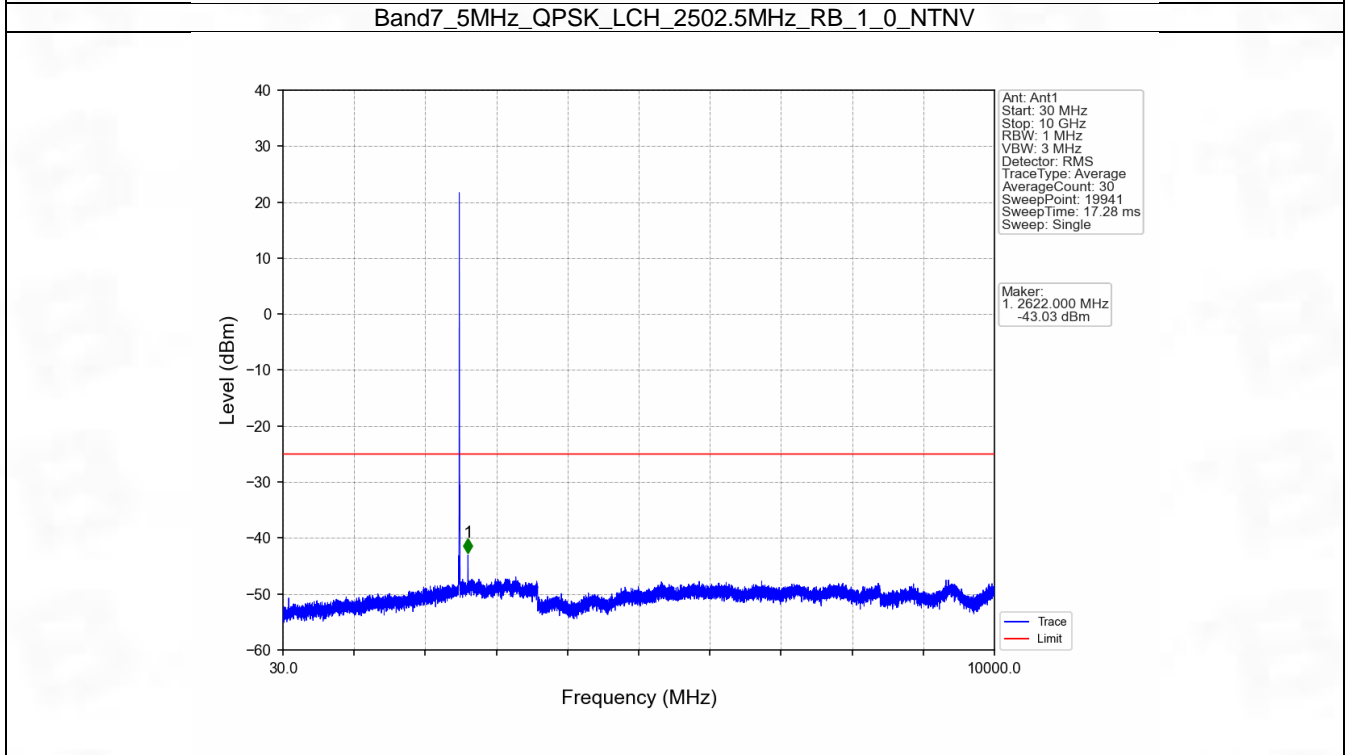
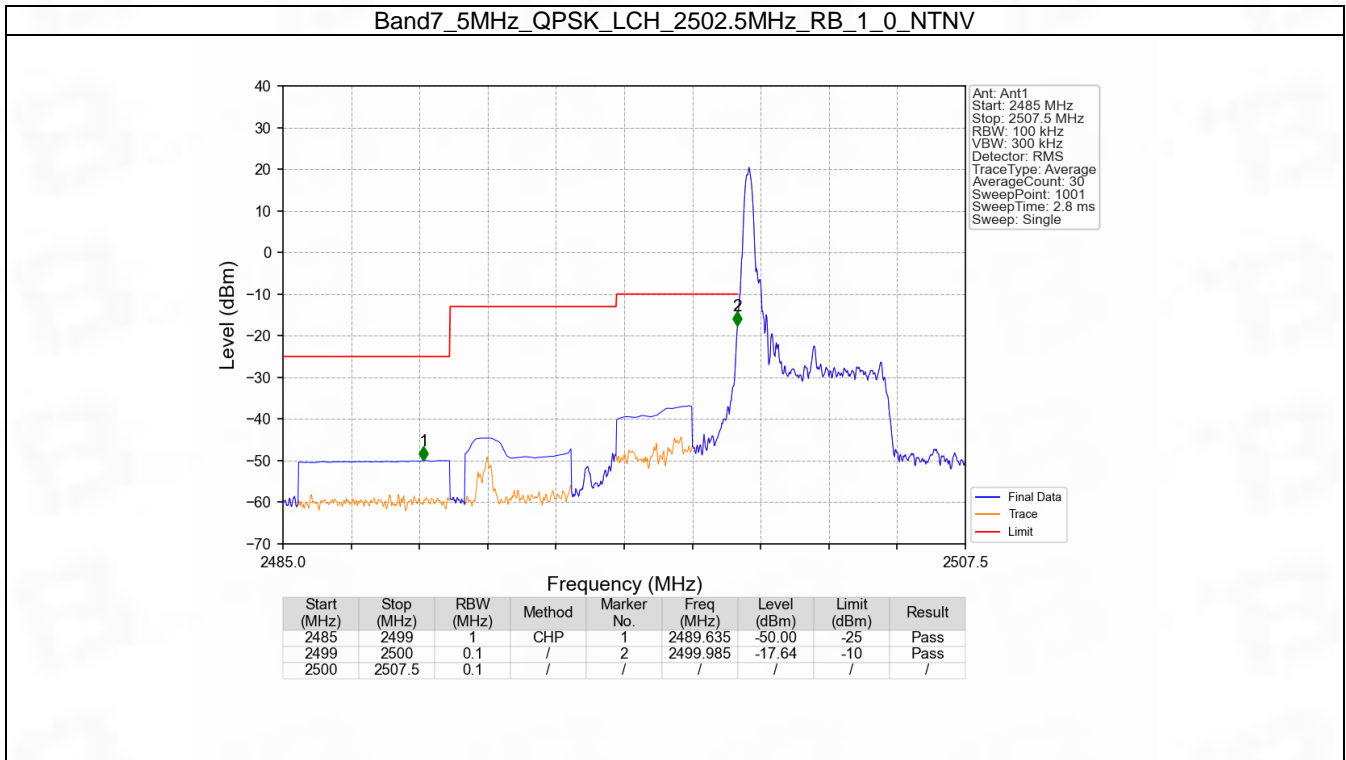
### 6.1 B7\_5MHz

#### 6.1.1 Test Result

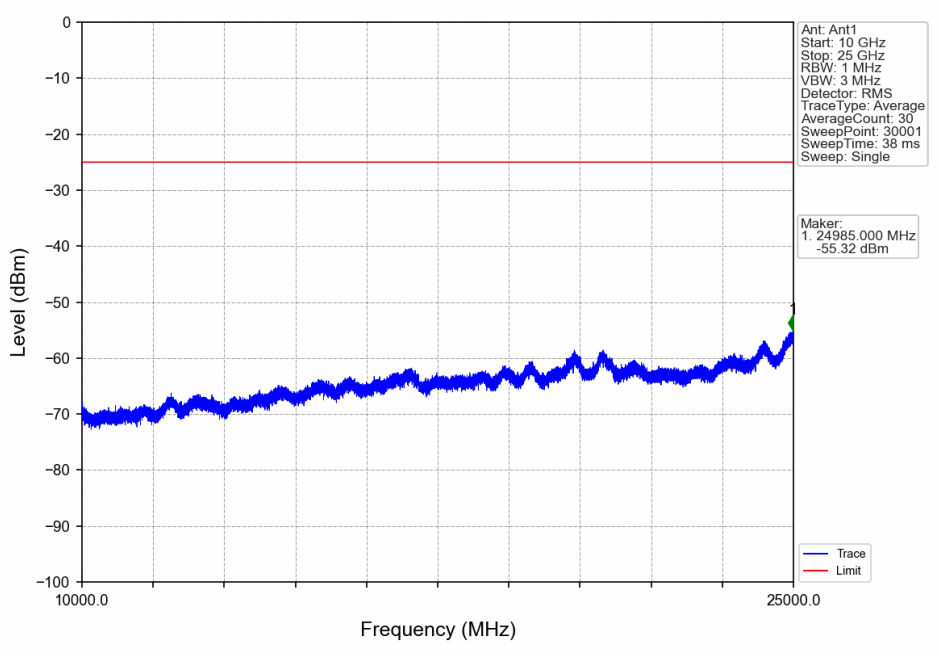
Band: 7 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2567.5	1	0	Refer To Test Graph		Pass
		1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2502.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2567.5	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



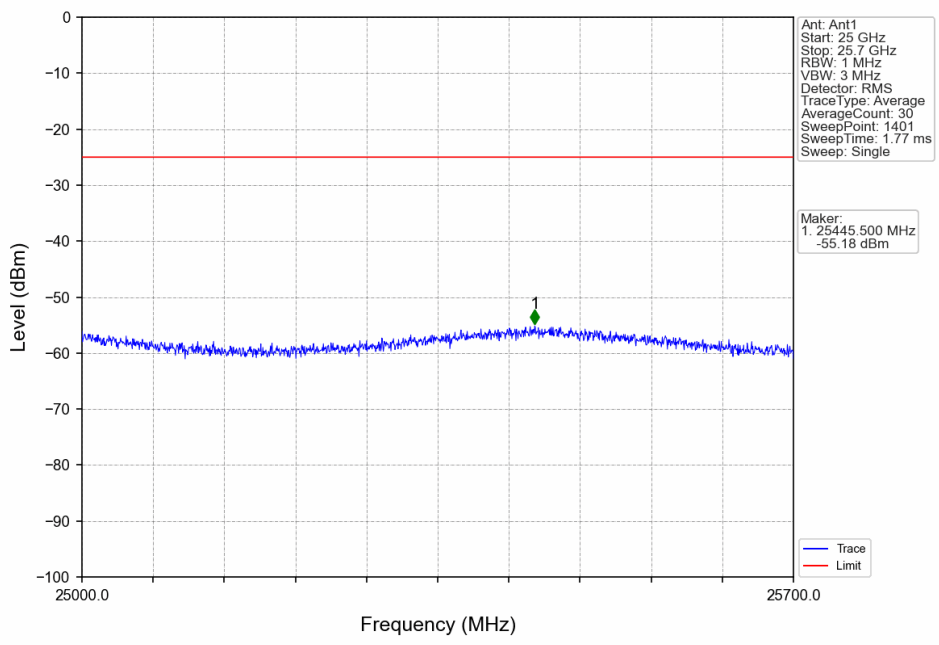
### 6.1.2 Test Graph



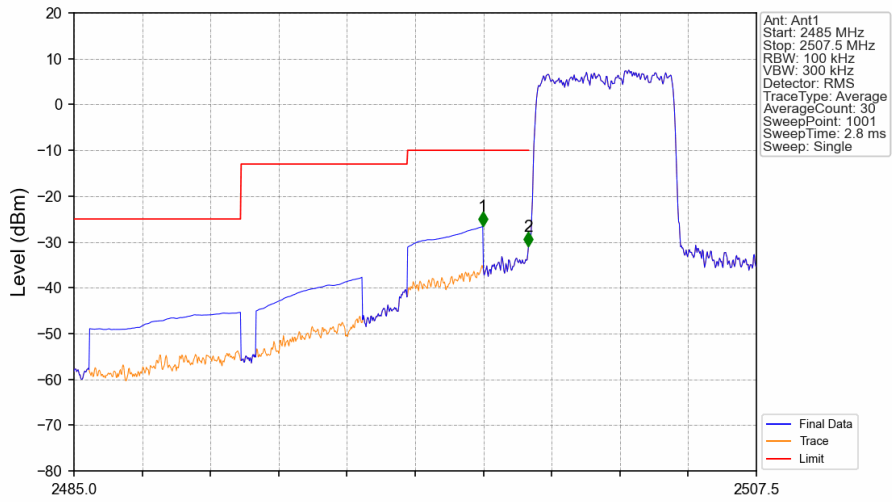
Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV

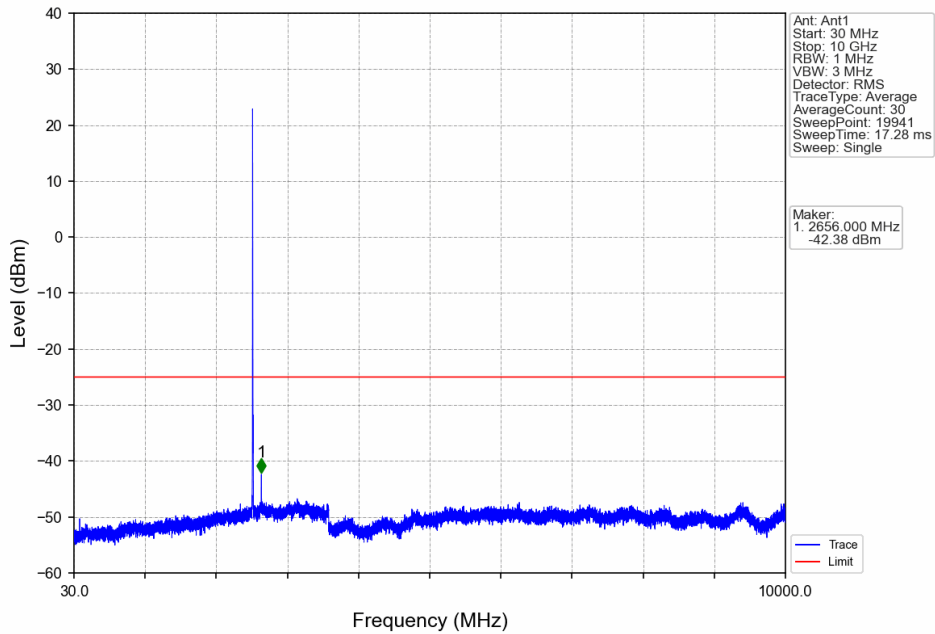


Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV

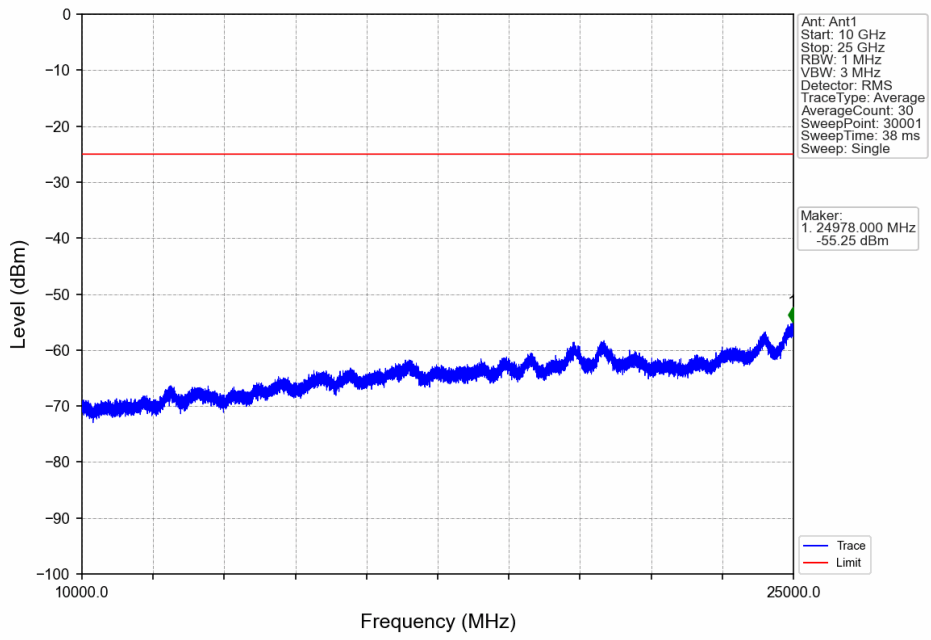


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.477	-26.63	-10	Pass
2499	2500	0.1	/	2	2499.985	-31.01	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/

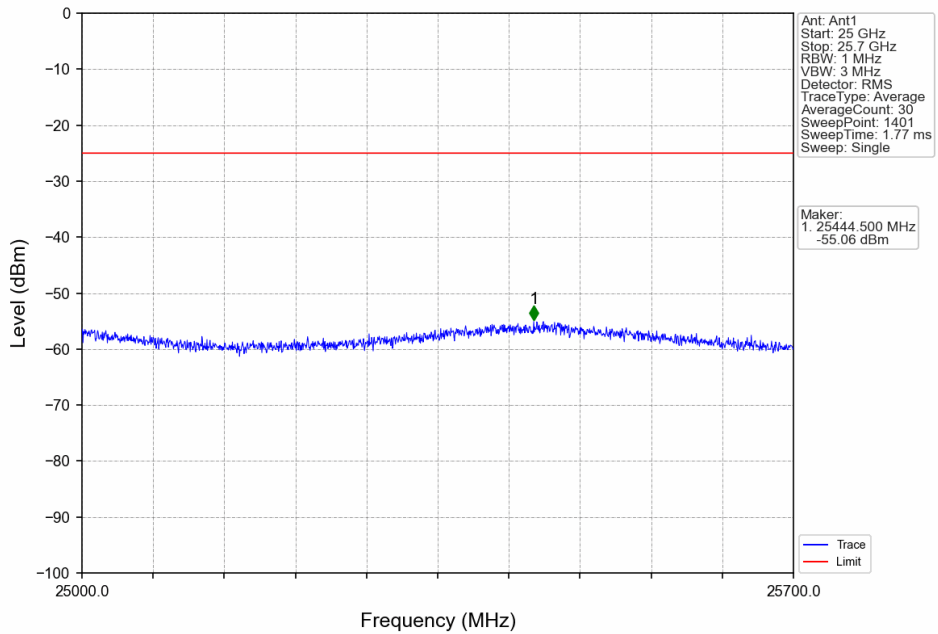
Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



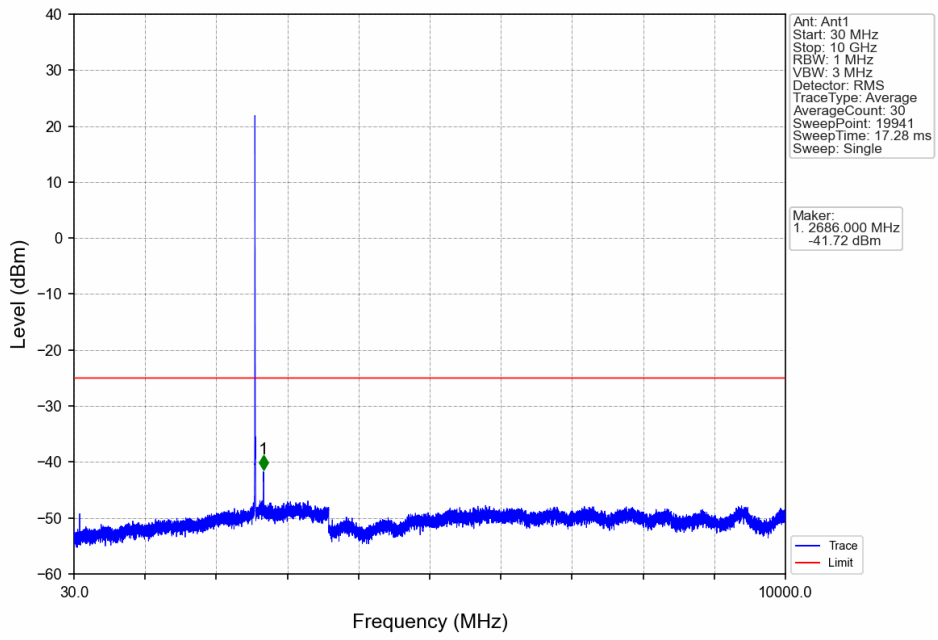
Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



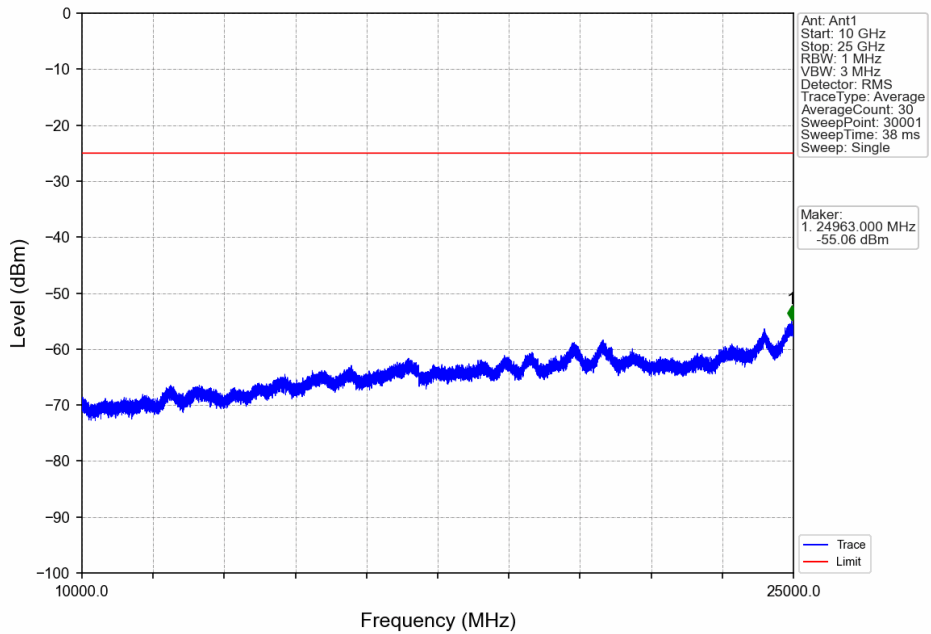
Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



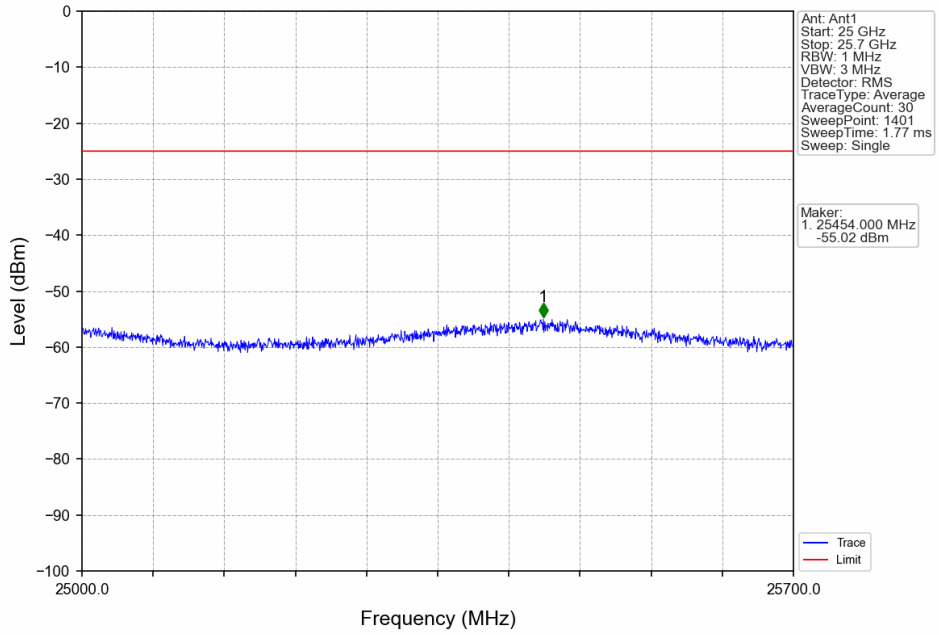
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



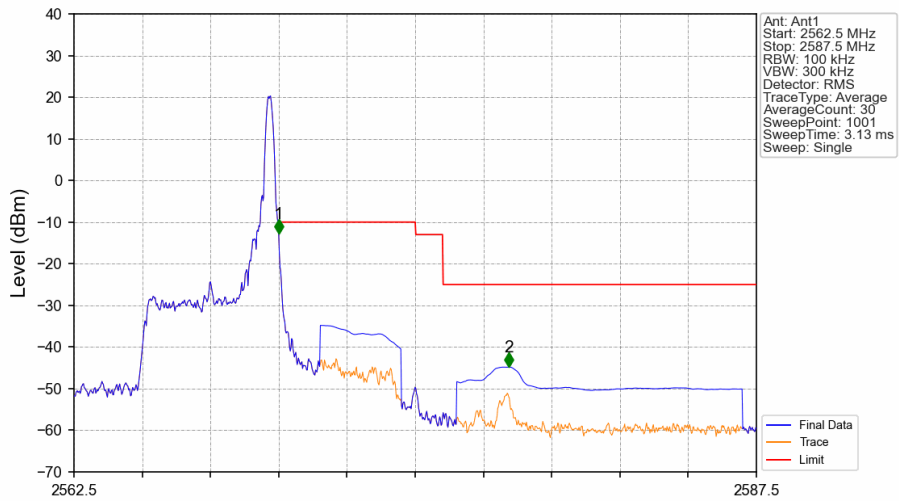
Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV

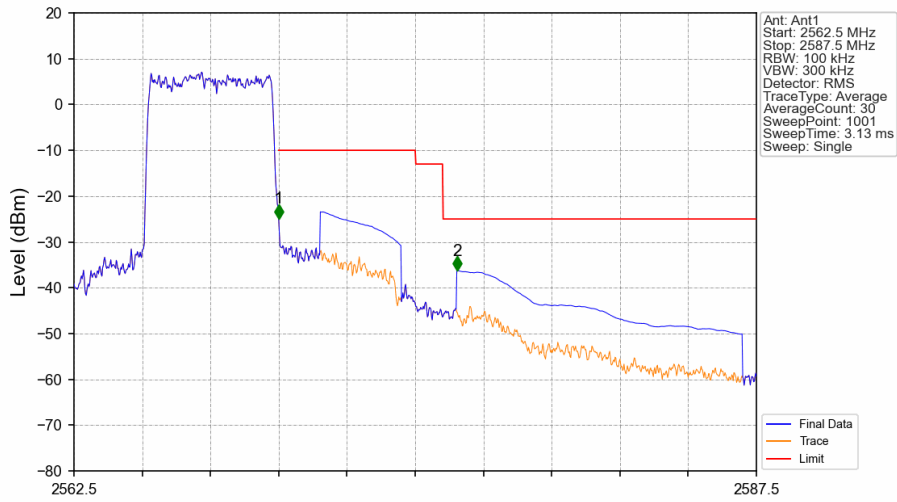


Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_1\_24\_NTNV



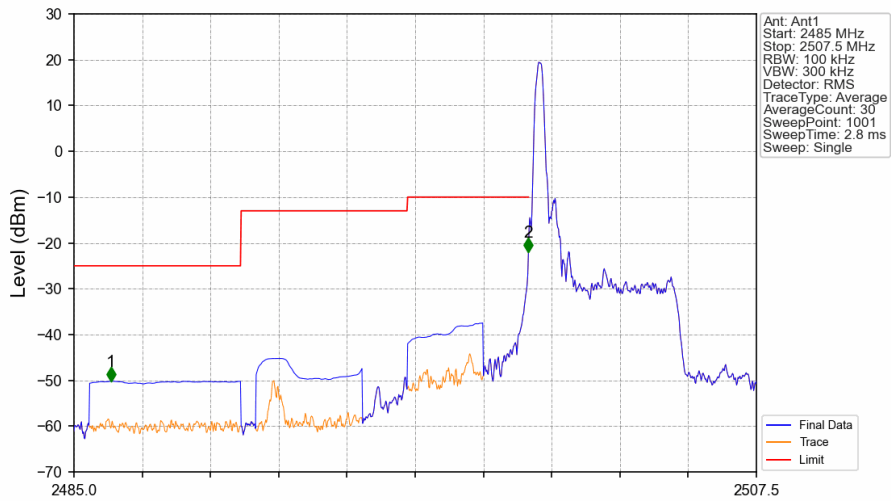
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	/	/	/	/	/
2570	2571	0.1	/	1	2570.000	-12.76	-10	Pass
2571	2587.5	1	CHP	2	2578.425	-44.82	-25	Pass

Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



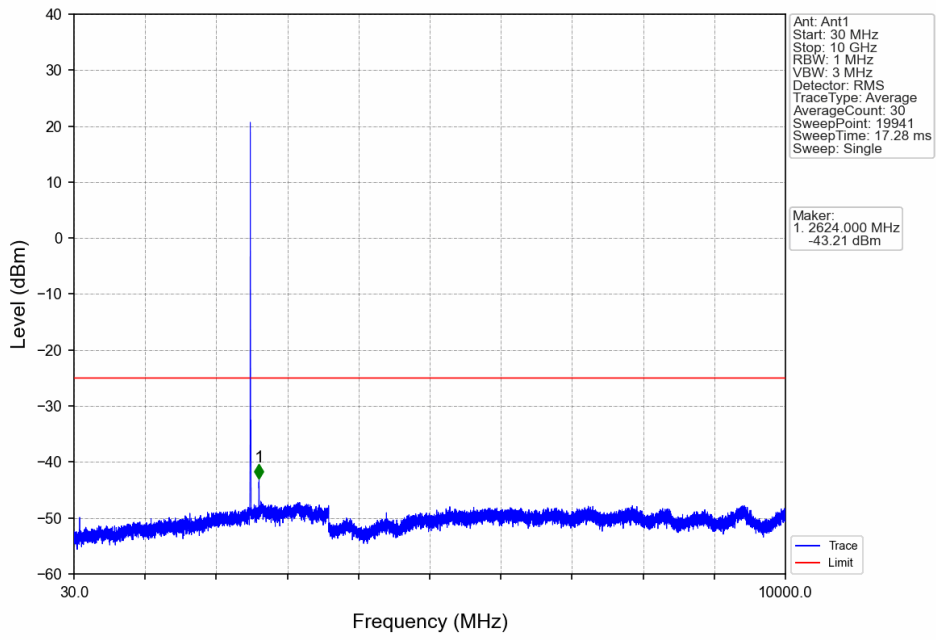
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2562.5	2570	0.1	/	1	2570.000	-24.90	-10	Pass
2570	2571	0.1	/	1	2570.000	-24.90	-10	Pass
2571	2587.5	1	CHP	2	2576.550	-36.28	-25	Pass

Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV

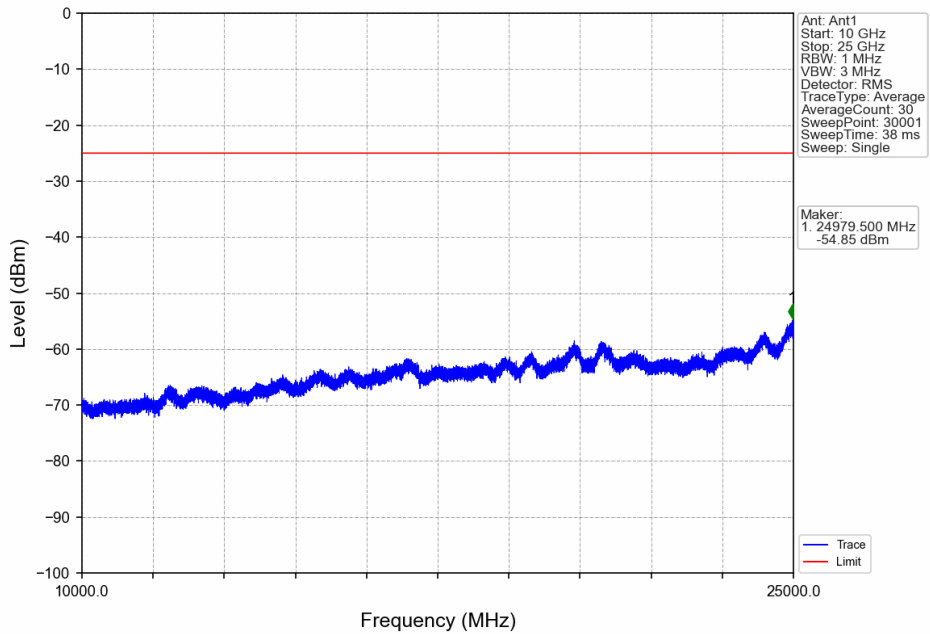


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2486.215	-50.20	-25	Pass
2499	2500	0.1	/	2	2499.985	-22.01	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/

Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV

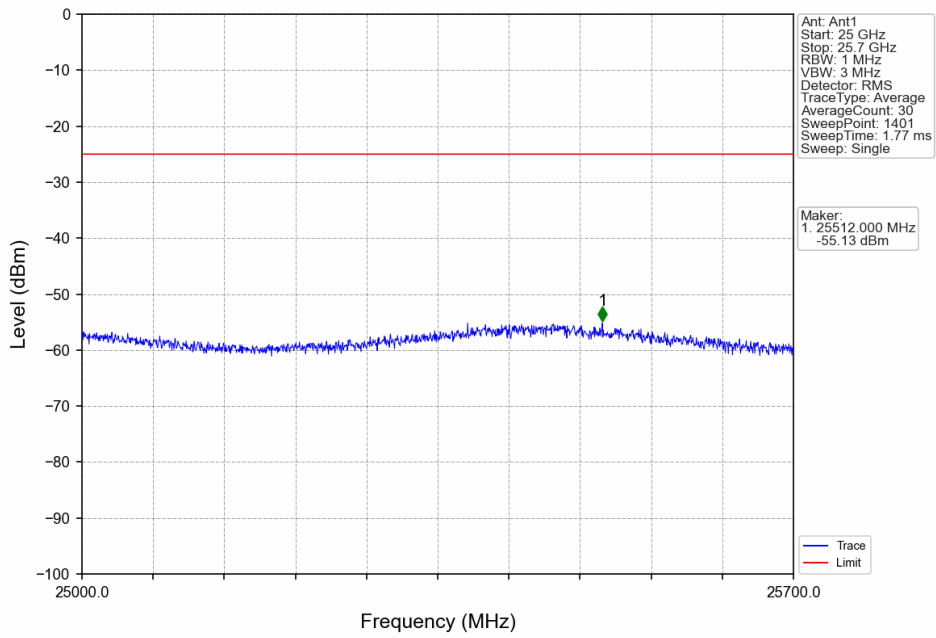


Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV

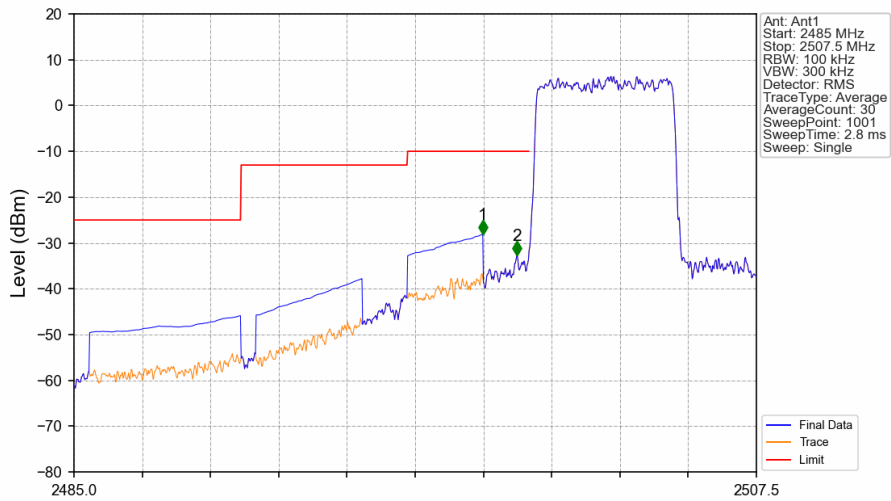




Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV

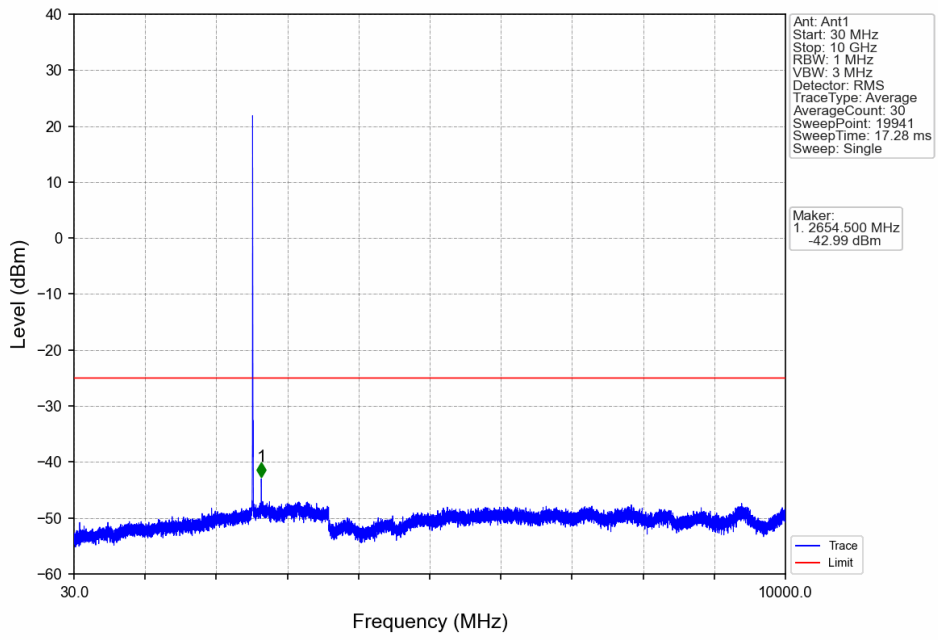


Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV

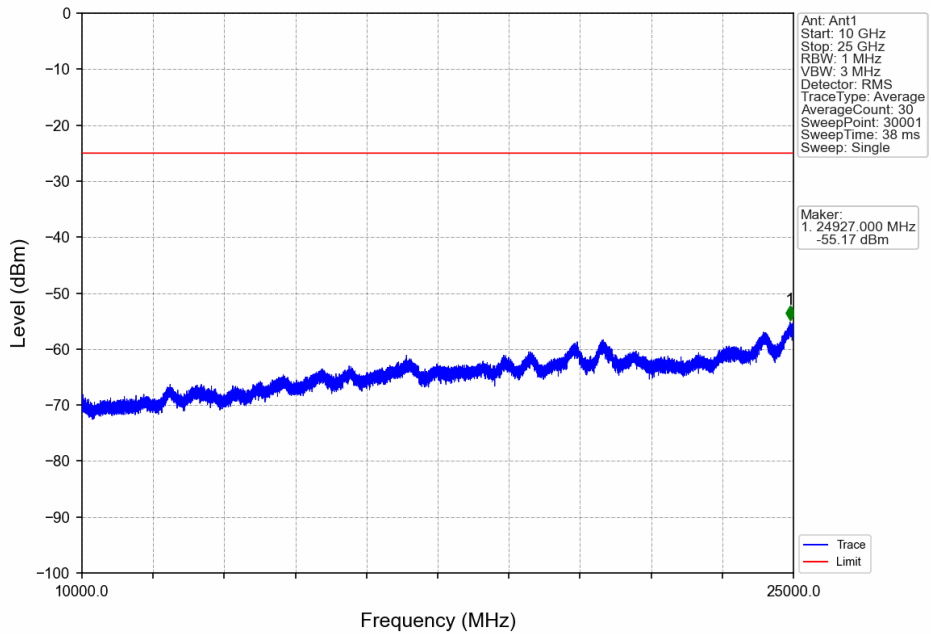


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2499	1	CHP	1	2498.477	-28.17	-10	Pass
2499	2500	0.1	/	2	2499.602	-32.72	-10	Pass
2500	2507.5	0.1	/	/	/	/	/	/

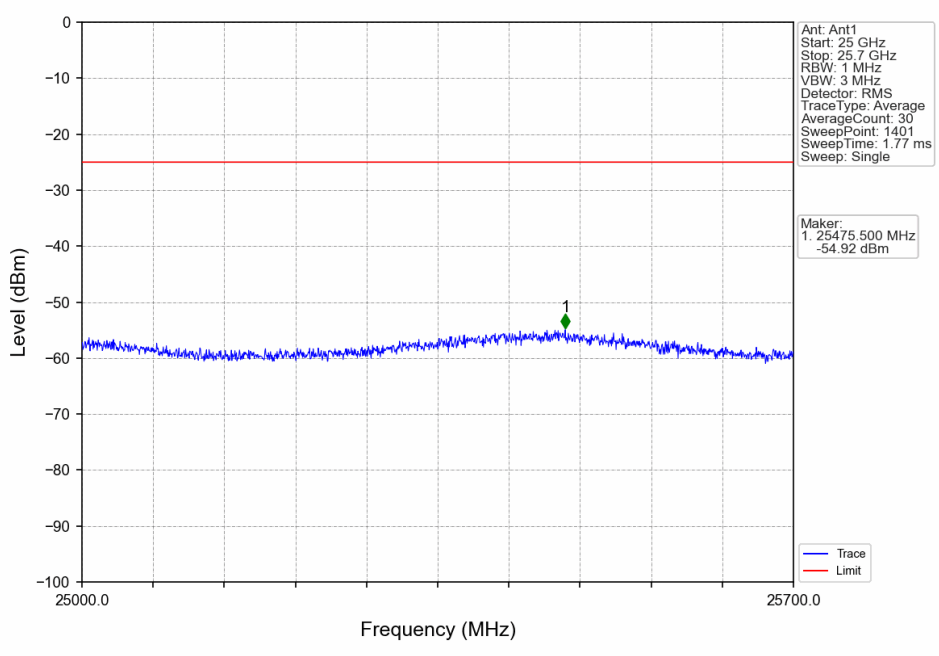
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



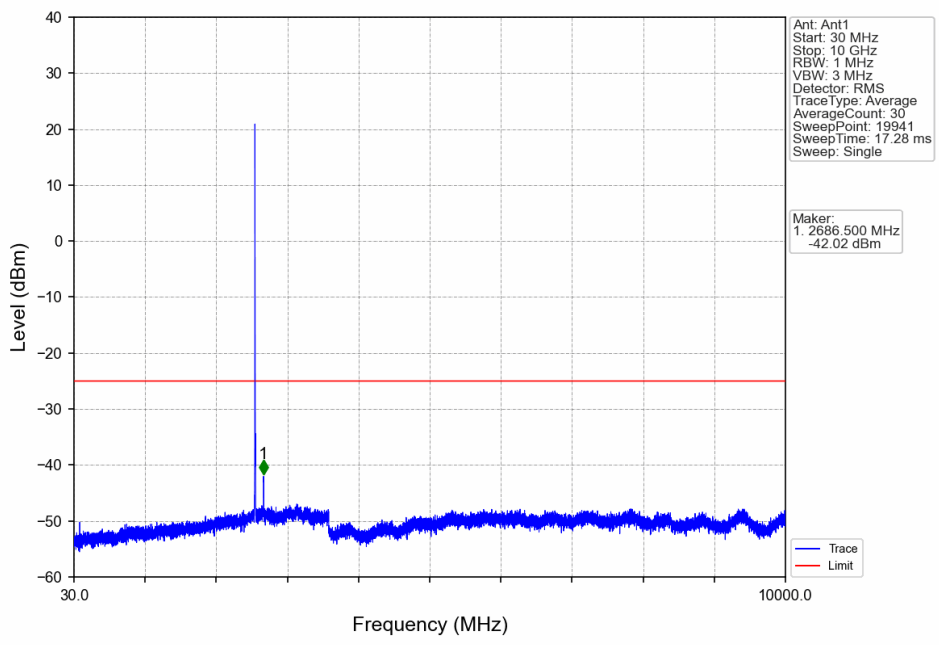
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



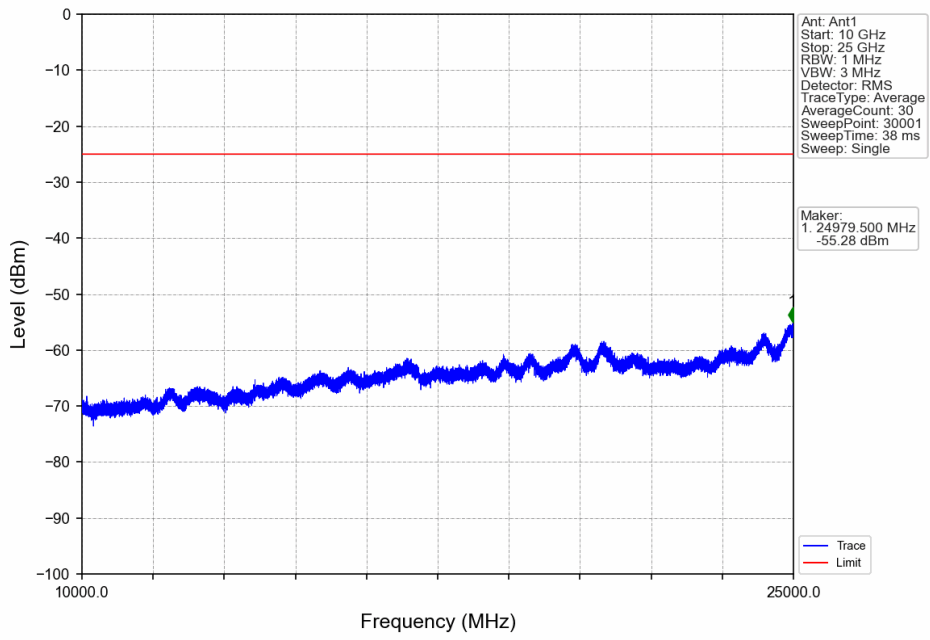
Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_1\_0\_NTNV



Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV



Band7\_5MHz\_16QAM\_HCH\_2567.5MHz\_RB\_1\_0\_NTNV

