

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B38_5MHz_EIRP

Band: 38 / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	22.66	2.06	24.72	<=33.01	Pass
			13	22.84	2.06	24.90	<=33.01	Pass
			24	22.71	2.06	24.77	<=33.01	Pass
		12	0	21.92	2.06	23.98	<=33.01	Pass
			6	21.98	2.06	24.04	<=33.01	Pass
			13	21.93	2.06	23.99	<=33.01	Pass
		25	0	21.94	2.06	24.00	<=33.01	Pass
	2595	1	0	22.88	2.06	24.94	<=33.01	Pass
			13	23.01	2.06	25.07	<=33.01	Pass
			24	22.75	2.06	24.81	<=33.01	Pass
		12	0	21.81	2.06	23.87	<=33.01	Pass
			6	21.81	2.06	23.87	<=33.01	Pass
			13	21.89	2.06	23.95	<=33.01	Pass
		25	0	21.79	2.06	23.85	<=33.01	Pass
	2617.5	1	0	22.76	2.06	24.82	<=33.01	Pass
			13	22.98	2.06	25.04	<=33.01	Pass
			24	22.44	2.06	24.50	<=33.01	Pass
		12	0	21.85	2.06	23.91	<=33.01	Pass
			6	21.98	2.06	24.04	<=33.01	Pass
			13	21.82	2.06	23.88	<=33.01	Pass
		25	0	21.86	2.06	23.92	<=33.01	Pass
16QAM	2572.5	1	0	21.87	2.06	23.93	<=33.01	Pass
			13	21.84	2.06	23.90	<=33.01	Pass
			24	21.61	2.06	23.67	<=33.01	Pass
		12	0	20.90	2.06	22.96	<=33.01	Pass
			6	21.02	2.06	23.08	<=33.01	Pass
			13	20.91	2.06	22.97	<=33.01	Pass
		25	0	21.06	2.06	23.12	<=33.01	Pass
	2595	1	0	22.22	2.06	24.28	<=33.01	Pass
			13	22.62	2.06	24.68	<=33.01	Pass
			24	22.16	2.06	24.22	<=33.01	Pass
		12	0	20.84	2.06	22.90	<=33.01	Pass
			6	20.98	2.06	23.04	<=33.01	Pass
			13	20.81	2.06	22.87	<=33.01	Pass
		25	0	20.99	2.06	23.05	<=33.01	Pass
	2617.5	1	0	22.03	2.06	24.09	<=33.01	Pass
			13	22.66	2.06	24.72	<=33.01	Pass
			24	21.72	2.06	23.78	<=33.01	Pass
		12	0	20.75	2.06	22.81	<=33.01	Pass
			6	20.70	2.06	22.76	<=33.01	Pass
			13	20.54	2.06	22.60	<=33.01	Pass
		25	0	20.93	2.06	22.99	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2575	1	0	23.07	2.06	25.13	<=33.01	Pass	
			25	23.01	2.06	25.07	<=33.01	Pass	
			49	22.84	2.06	24.90	<=33.01	Pass	
		25	0	22.00	2.06	24.06	<=33.01	Pass	
			13	21.95	2.06	24.01	<=33.01	Pass	
			25	21.93	2.06	23.99	<=33.01	Pass	
		50	0	22.02	2.06	24.08	<=33.01	Pass	
		2595	1	0	23.12	2.06	25.18	<=33.01	Pass
				25	22.94	2.06	25.00	<=33.01	Pass
	49			22.86	2.06	24.92	<=33.01	Pass	
	25		0	22.02	2.06	24.08	<=33.01	Pass	
			13	22.01	2.06	24.07	<=33.01	Pass	
			25	22.06	2.06	24.12	<=33.01	Pass	
	50	0	22.04	2.06	24.10	<=33.01	Pass		
	2615	1	0	23.13	2.06	25.19	<=33.01	Pass	
			25	22.93	2.06	24.99	<=33.01	Pass	
			49	22.57	2.06	24.63	<=33.01	Pass	
		25	0	22.09	2.06	24.15	<=33.01	Pass	
			13	22.00	2.06	24.06	<=33.01	Pass	
			25	21.95	2.06	24.01	<=33.01	Pass	
		50	0	22.05	2.06	24.11	<=33.01	Pass	
16QAM		2575	1	0	21.34	2.06	23.40	<=33.01	Pass
				25	22.00	2.06	24.06	<=33.01	Pass
	49			21.17	2.06	23.23	<=33.01	Pass	
	25		0	20.83	2.06	22.89	<=33.01	Pass	
			13	20.95	2.06	23.01	<=33.01	Pass	
			25	20.99	2.06	23.05	<=33.01	Pass	
	50		0	20.87	2.06	22.93	<=33.01	Pass	
	2595	1	0	22.59	2.06	24.65	<=33.01	Pass	
			25	22.73	2.06	24.79	<=33.01	Pass	
			49	22.36	2.06	24.42	<=33.01	Pass	
		25	0	20.94	2.06	23.00	<=33.01	Pass	
			13	21.00	2.06	23.06	<=33.01	Pass	
			25	20.90	2.06	22.96	<=33.01	Pass	
	50	0	21.07	2.06	23.13	<=33.01	Pass		
	2615	1	0	22.79	2.06	24.85	<=33.01	Pass	
			25	22.78	2.06	24.84	<=33.01	Pass	
			49	22.29	2.06	24.35	<=33.01	Pass	
		25	0	21.21	2.06	23.27	<=33.01	Pass	
13			21.20	2.06	23.26	<=33.01	Pass		
25			20.99	2.06	23.05	<=33.01	Pass		
50		0	20.85	2.06	22.91	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.3 B38_15MHz_EIRP

Band: 38 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	23.03	2.06	25.09	<=33.01	Pass
			38	22.85	2.06	24.91	<=33.01	Pass
			74	22.86	2.06	24.92	<=33.01	Pass
		36	0	22.01	2.06	24.07	<=33.01	Pass
			18	21.96	2.06	24.02	<=33.01	Pass
			39	21.83	2.06	23.89	<=33.01	Pass

	2595	75	0	21.92	2.06	23.98	<=33.01	Pass	
		1	0	22.96	2.06	25.02	<=33.01	Pass	
			38	23.04	2.06	25.10	<=33.01	Pass	
			74	23.11	2.06	25.17	<=33.01	Pass	
			0	22.04	2.06	24.10	<=33.01	Pass	
		36	18	21.96	2.06	24.02	<=33.01	Pass	
			39	22.12	2.06	24.18	<=33.01	Pass	
			75	0	22.01	2.06	24.07	<=33.01	Pass
		2612.5	1	0	22.95	2.06	25.01	<=33.01	Pass
				38	22.72	2.06	24.78	<=33.01	Pass
	74			22.67	2.06	24.73	<=33.01	Pass	
	36		0	22.07	2.06	24.13	<=33.01	Pass	
			18	22.01	2.06	24.07	<=33.01	Pass	
			39	22.05	2.06	24.11	<=33.01	Pass	
	75	0	22.08	2.06	24.14	<=33.01	Pass		
	16QAM	2577.5	1	0	21.71	2.06	23.77	<=33.01	Pass
38				21.55	2.06	23.61	<=33.01	Pass	
74				21.45	2.06	23.51	<=33.01	Pass	
36			0	20.99	2.06	23.05	<=33.01	Pass	
			18	20.78	2.06	22.84	<=33.01	Pass	
			39	20.80	2.06	22.86	<=33.01	Pass	
75			0	20.90	2.06	22.96	<=33.01	Pass	
2595		1	0	22.53	2.06	24.59	<=33.01	Pass	
			38	22.31	2.06	24.37	<=33.01	Pass	
			74	22.37	2.06	24.43	<=33.01	Pass	
		36	0	21.12	2.06	23.18	<=33.01	Pass	
			18	21.15	2.06	23.21	<=33.01	Pass	
			39	21.11	2.06	23.17	<=33.01	Pass	
75		0	21.05	2.06	23.11	<=33.01	Pass		
2612.5		1	0	21.92	2.06	23.98	<=33.01	Pass	
			38	21.95	2.06	24.01	<=33.01	Pass	
			74	22.12	2.06	24.18	<=33.01	Pass	
		36	0	20.86	2.06	22.92	<=33.01	Pass	
			18	20.84	2.06	22.90	<=33.01	Pass	
			39	21.04	2.06	23.10	<=33.01	Pass	
		75	0	20.96	2.06	23.02	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

1.1.4 B38_20MHz_EIRP

Band: 38 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	22.86	2.06	24.92	<=33.01	Pass
			50	23.00	2.06	25.06	<=33.01	Pass
			99	23.09	2.06	25.15	<=33.01	Pass
		50	0	22.04	2.06	24.10	<=33.01	Pass
			25	21.95	2.06	24.01	<=33.01	Pass
			50	22.00	2.06	24.06	<=33.01	Pass
		100	0	21.99	2.06	24.05	<=33.01	Pass
	2595	1	0	23.03	2.06	25.09	<=33.01	Pass
			50	23.05	2.06	25.11	<=33.01	Pass
			99	22.91	2.06	24.97	<=33.01	Pass
		50	0	22.03	2.06	24.09	<=33.01	Pass
			25	22.06	2.06	24.12	<=33.01	Pass
			50	22.03	2.06	24.09	<=33.01	Pass
		100	0	22.04	2.06	24.10	<=33.01	Pass

	2610	1	0	22.88	2.06	24.94	<=33.01	Pass		
			50	23.04	2.06	25.10	<=33.01	Pass		
			99	22.60	2.06	24.66	<=33.01	Pass		
		50	0	22.08	2.06	24.14	<=33.01	Pass		
			25	22.10	2.06	24.16	<=33.01	Pass		
			50	21.93	2.06	23.99	<=33.01	Pass		
		100	0	22.13	2.06	24.19	<=33.01	Pass		
		16QAM	2580	1	0	22.35	2.06	24.41	<=33.01	Pass
					50	22.86	2.06	24.92	<=33.01	Pass
99	22.68				2.06	24.74	<=33.01	Pass		
50	0			21.18	2.06	23.24	<=33.01	Pass		
	25			21.07	2.06	23.13	<=33.01	Pass		
	50			21.09	2.06	23.15	<=33.01	Pass		
100	0			21.04	2.06	23.10	<=33.01	Pass		
2595	1			0	21.69	2.06	23.75	<=33.01	Pass	
				50	22.15	2.06	24.21	<=33.01	Pass	
			99	22.19	2.06	24.25	<=33.01	Pass		
	50		0	21.00	2.06	23.06	<=33.01	Pass		
			25	21.07	2.06	23.13	<=33.01	Pass		
			50	21.07	2.06	23.13	<=33.01	Pass		
	100		0	20.94	2.06	23.00	<=33.01	Pass		
	2610		1	0	22.82	2.06	24.88	<=33.01	Pass	
				50	22.45	2.06	24.51	<=33.01	Pass	
99				22.38	2.06	24.44	<=33.01	Pass		
50			0	21.19	2.06	23.25	<=33.01	Pass		
		25	21.19	2.06	23.25	<=33.01	Pass			
		50	21.05	2.06	23.11	<=33.01	Pass			
100		0	21.12	2.06	23.18	<=33.01	Pass			
Note1: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 Test Result

2.1.1 B38_20MHz

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	3.55	2.604	0.0010	/	Pass
					4	2.718	0.0011	/	Pass
					4.4	0.772	0.0003	/	Pass
				-30	4	-3.376	-0.0013	/	Pass
				-20	4	2.089	0.0008	/	Pass
				-10	4	0.615	0.0002	/	Pass
				0	4	-0.787	-0.0003	/	Pass
				10	4	-0.672	-0.0003	/	Pass
				30	4	-2.131	-0.0008	/	Pass
				40	4	5.937	0.0023	/	Pass
				50	4	3.462	0.0013	/	Pass
	2595	100	0	20	3.55	0.401	0.0002	/	Pass
					4	1.874	0.0007	/	Pass
					4.4	-0.186	-0.0001	/	Pass
				-30	4	-0.887	-0.0003	/	Pass
				-20	4	1.488	0.0006	/	Pass
				-10	4	-1.159	-0.0004	/	Pass
				0	4	1.616	0.0006	/	Pass

				10	4	1.159	0.0004	/	Pass
				30	4	-3.448	-0.0013	/	Pass
				40	4	-2.918	-0.0011	/	Pass
				50	4	-2.389	-0.0009	/	Pass
	2610	100	0	20	3.55	0.572	0.0002	/	Pass
					4	-1.917	-0.0007	/	Pass
					4.4	-1.774	-0.0007	/	Pass
				-30	4	-0.486	-0.0002	/	Pass
				-20	4	-3.290	-0.0013	/	Pass
				-10	4	-3.290	-0.0013	/	Pass
				0	4	-0.973	-0.0004	/	Pass
				10	4	-1.216	-0.0005	/	Pass
				30	4	-0.229	-0.0001	/	Pass
				40	4	1.860	0.0007	/	Pass
				50	4	-2.761	-0.0011	/	Pass
16QAM	2580	100	0	20	3.55	-0.815	-0.0003	/	Pass
					4	-0.143	-0.0001	/	Pass
					4.4	-1.030	-0.0004	/	Pass
				-30	4	2.117	0.0008	/	Pass
				-20	4	0.830	0.0003	/	Pass
				-10	4	-1.445	-0.0006	/	Pass
				0	4	-1.802	-0.0007	/	Pass
				10	4	-0.558	-0.0002	/	Pass
				30	4	-1.216	-0.0005	/	Pass
				40	4	-0.687	-0.0003	/	Pass
	2595	100	0	20	3.55	-4.120	-0.0016	/	Pass
					4	0.100	0.0000	/	Pass
					4.4	0.429	0.0002	/	Pass
				-30	4	1.516	0.0006	/	Pass
				-20	4	0.515	0.0002	/	Pass
				-10	4	-1.802	-0.0007	/	Pass
				0	4	1.473	0.0006	/	Pass
				10	4	-3.405	-0.0013	/	Pass
				30	4	0.315	0.0001	/	Pass
				40	4	1.903	0.0007	/	Pass
	2610	100	0	20	3.55	0.215	0.0001	/	Pass
					4	-1.802	-0.0007	/	Pass
					4.4	-2.432	-0.0009	/	Pass
				-30	4	0.515	0.0002	/	Pass
				-20	4	-1.831	-0.0007	/	Pass
				-10	4	-2.275	-0.0009	/	Pass
				0	4	-2.275	-0.0009	/	Pass
				10	4	-4.663	-0.0018	/	Pass
				30	4	-0.072	0.0000	/	Pass
				40	4	1.445	0.0006	/	Pass
				50	4	0.043	0.0000	/	Pass

3. Field Strength of Spurious Radiation

LTE Band 38-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5142.0	-56.73	-25	-31.73	-62.34	4.62	10.23	Horizontal	Pass
7713.0	-59.68	-25	-34.68	-66.71	4.96	11.99	Horizontal	Pass
10284.0	-56.79	-25	-31.79	-64.36	5.51	13.08	Horizontal	Pass
5142.0	-63.12	-25	-38.12	-68.73	4.62	10.23	Vertical	Pass
7713.0	-59.77	-25	-34.77	-66.8	4.96	11.99	Vertical	Pass
10284.0	-56.86	-25	-31.86	-64.43	5.51	13.08	Vertical	Pass

LTE Band 38-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5172.0	-58.21	-25	-33.21	-63.83	4.63	10.25	Horizontal	Pass
7758.0	-59.58	-25	-34.58	-66.66	4.96	12.04	Horizontal	Pass
10344.0	-55.68	-25	-30.68	-63.25	5.52	13.09	Horizontal	Pass
5172.0	-63.18	-25	-38.18	-68.8	4.63	10.25	Vertical	Pass
7758.0	-59.58	-25	-34.58	-66.66	4.96	12.04	Vertical	Pass
10344.0	-56.6	-25	-31.6	-64.17	5.52	13.09	Vertical	Pass

LTE Band 38-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
5202.0	-63.2	-25	-38.2	-68.84	4.63	10.27	Horizontal	Pass
7803.0	-59.75	-25	-34.75	-66.89	4.96	12.1	Horizontal	Pass
10404.0	-57.12	-25	-32.12	-64.7	5.52	13.1	Horizontal	Pass
5202.0	-63.1	-25	-38.1	-68.74	4.63	10.27	Vertical	Pass
7803.0	-58.78	-25	-33.78	-65.92	4.96	12.1	Vertical	Pass
10404.0	-57.07	-25	-32.07	-64.65	5.52	13.1	Vertical	Pass

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band38_OBW

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.543	/	Pass
		2595	25	0	4.541	/	Pass
		2617.5	25	0	4.546	/	Pass
	16QAM	2572.5	25	0	4.565	/	Pass
		2595	25	0	4.526	/	Pass
		2617.5	25	0	4.554	/	Pass
10	QPSK	2575	50	0	9.041	/	Pass
		2595	50	0	9.069	/	Pass
		2615	50	0	9.055	/	Pass
	16QAM	2575	50	0	9.057	/	Pass
		2595	50	0	9.035	/	Pass
		2615	50	0	9.049	/	Pass
15	QPSK	2577.5	75	0	13.600	/	Pass
		2595	75	0	13.570	/	Pass
		2612.5	75	0	13.555	/	Pass
	16QAM	2577.5	75	0	13.640	/	Pass
		2595	75	0	13.590	/	Pass
		2612.5	75	0	13.634	/	Pass
20	QPSK	2580	100	0	18.116	/	Pass
		2595	100	0	18.065	/	Pass
		2610	100	0	18.093	/	Pass
	16QAM	2580	100	0	18.040	/	Pass
		2595	100	0	18.064	/	Pass
		2610	100	0	18.080	/	Pass

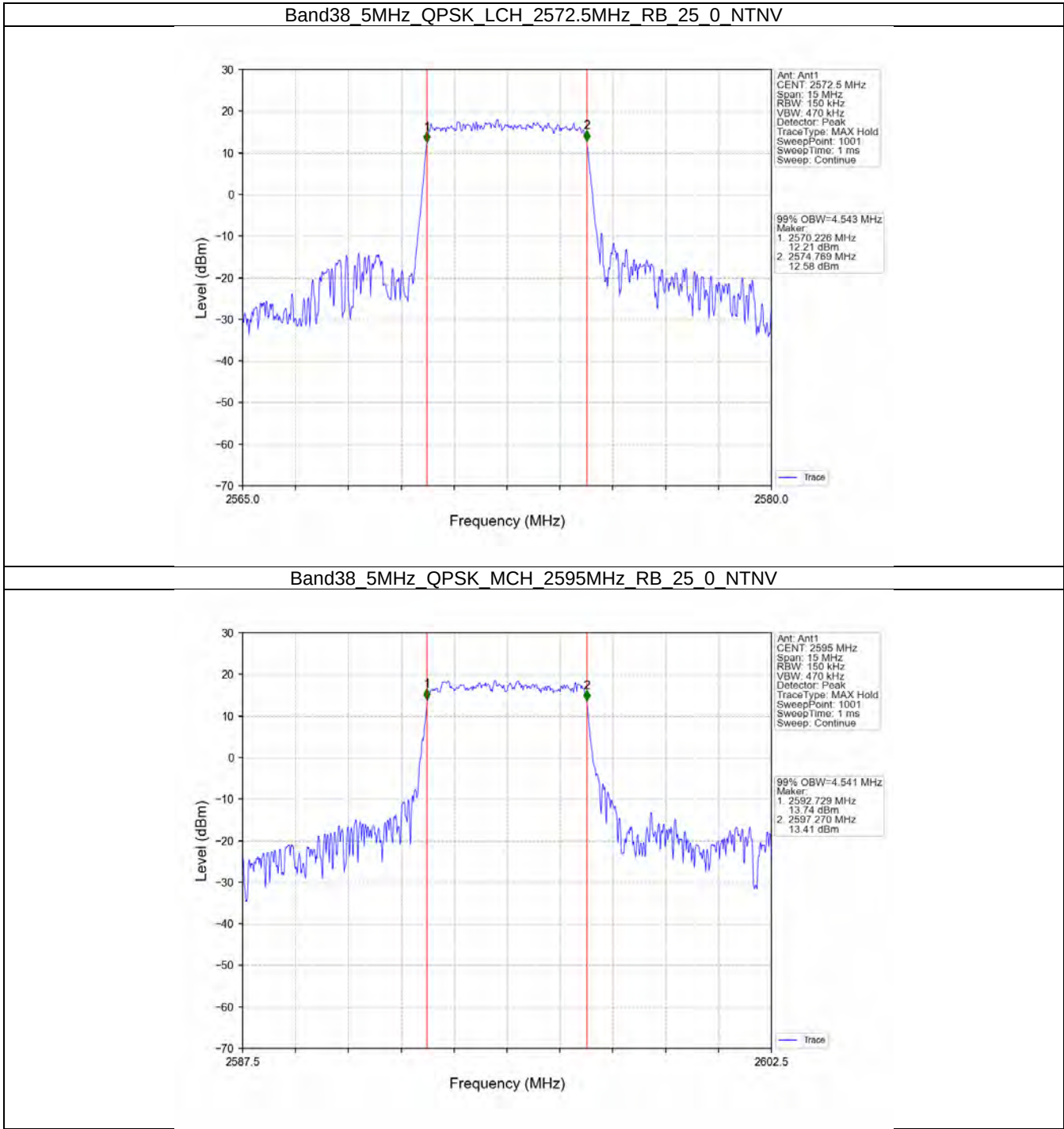
4.1.2 Band38_XDB

Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	5.023	/	Pass
		2595	25	0	5.298	/	Pass
		2617.5	25	0	5.067	/	Pass
	16QAM	2572.5	25	0	5.070	/	Pass
		2595	25	0	5.059	/	Pass
		2617.5	25	0	5.309	/	Pass
10	QPSK	2575	50	0	9.970	/	Pass
		2595	50	0	10.010	/	Pass
		2615	50	0	10.541	/	Pass
	16QAM	2575	50	0	10.404	/	Pass
		2595	50	0	10.129	/	Pass
		2615	50	0	10.008	/	Pass
15	QPSK	2577.5	75	0	16.485	/	Pass
		2595	75	0	15.552	/	Pass
		2612.5	75	0	15.447	/	Pass
	16QAM	2577.5	75	0	18.244	/	Pass
		2595	75	0	20.715	/	Pass

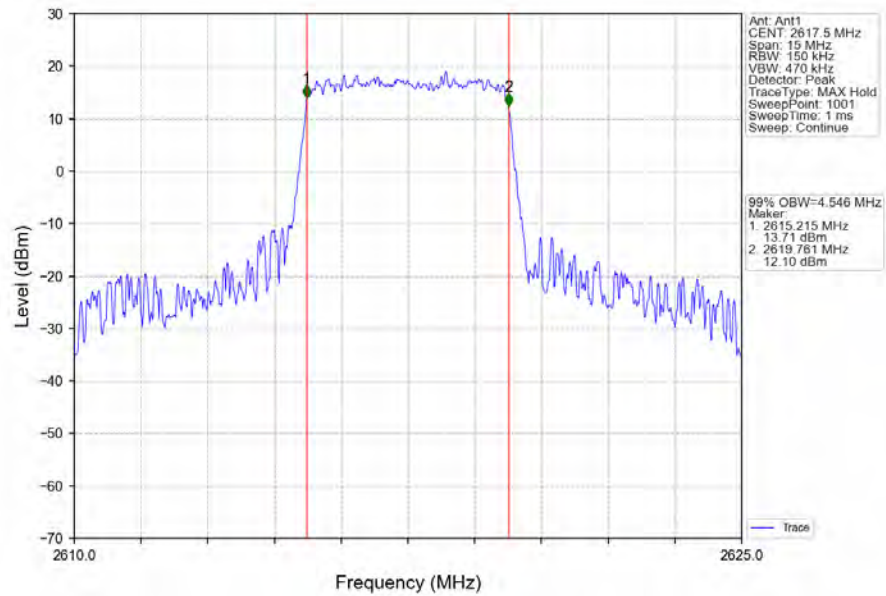
		2612.5	75	0	16.712	/	Pass
20	QPSK	2580	100	0	20.488	/	Pass
		2595	100	0	20.779	/	Pass
		2610	100	0	19.798	/	Pass
		2580	100	0	19.953	/	Pass
	16QAM	2595	100	0	20.456	/	Pass
		2610	100	0	19.769	/	Pass

4.2 Test Graph

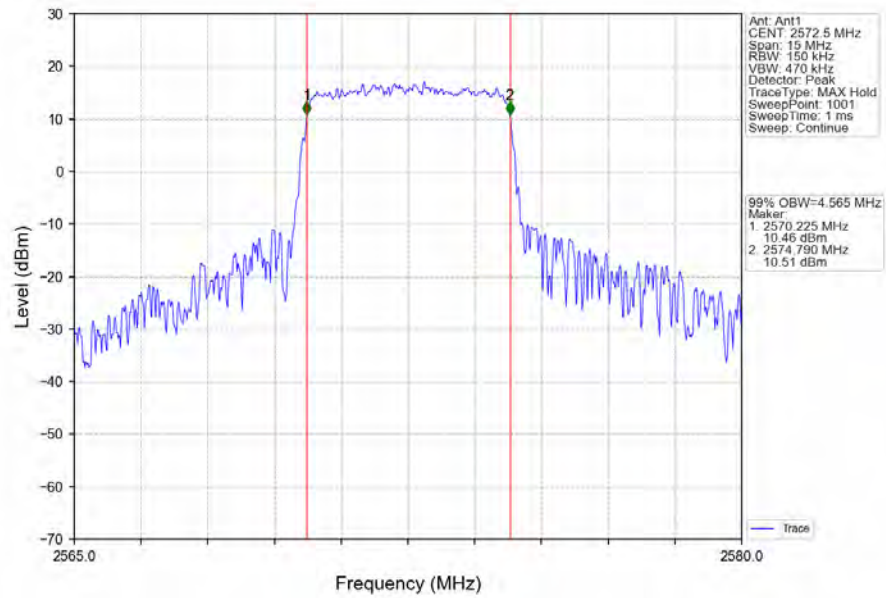
4.2.1 Band38_OBW



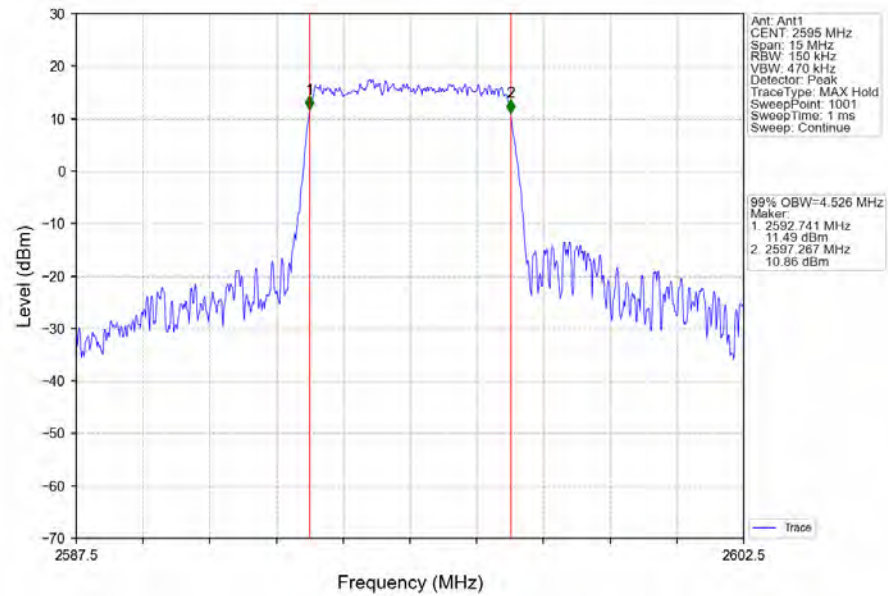
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



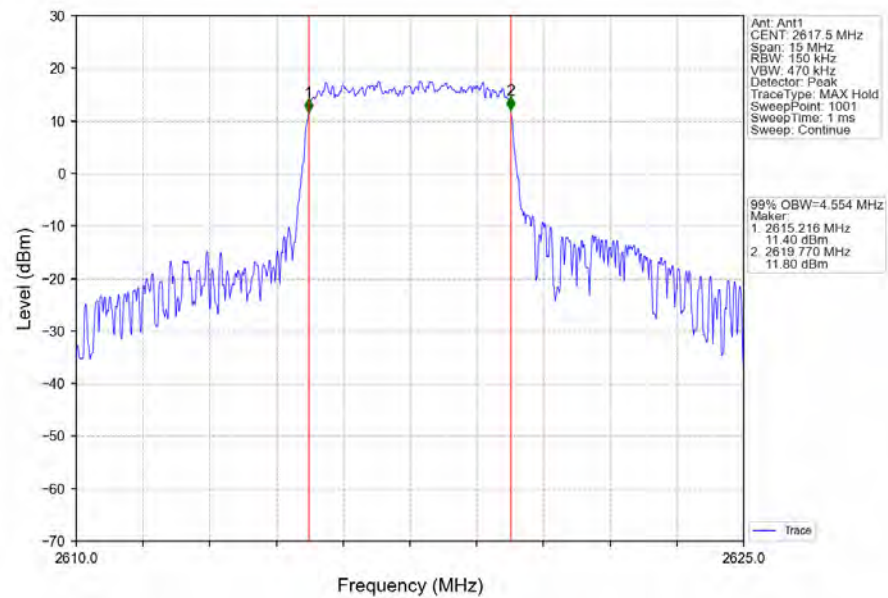
Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTNV



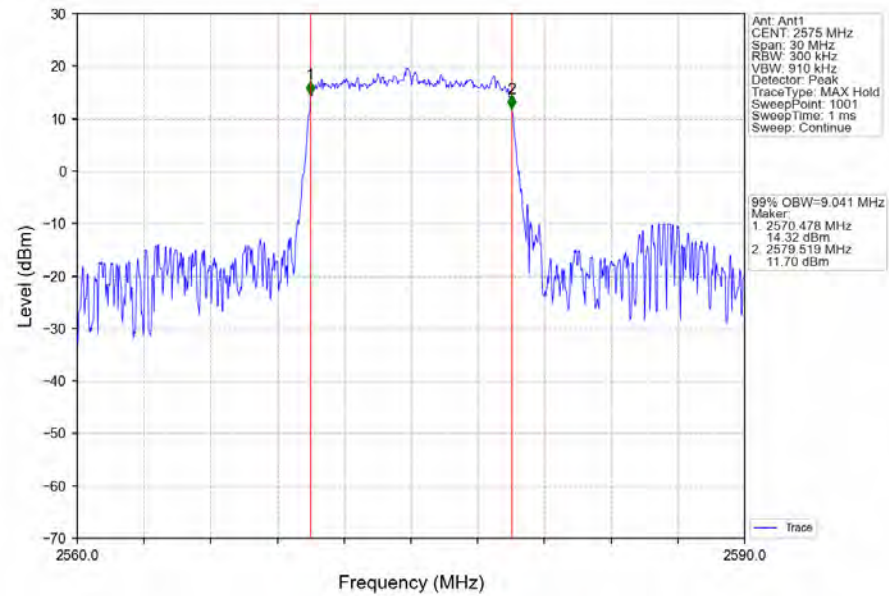
Band38 5MHz 16QAM MCH 2595MHz RB 25 0 NTNV



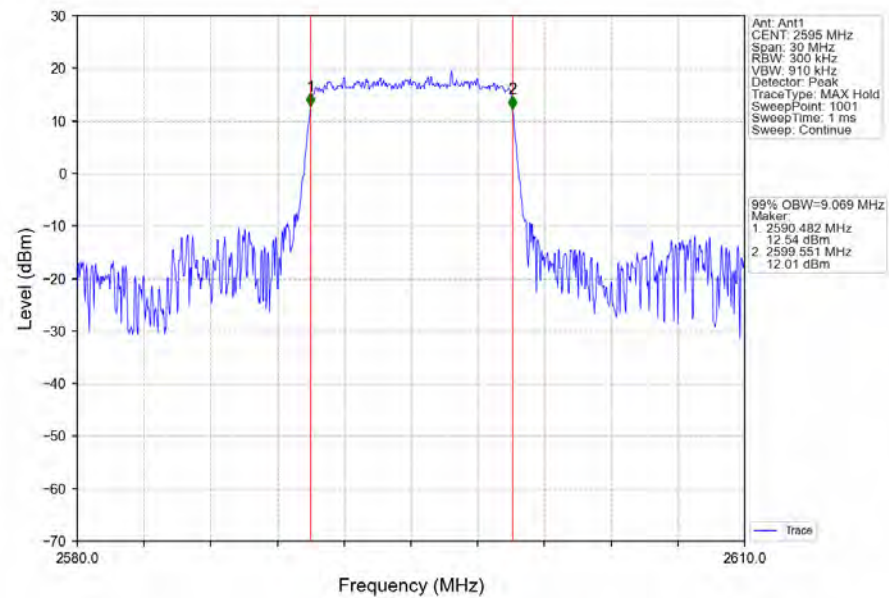
Band38 5MHz 16QAM HCH 2617.5MHz RB 25 0 NTNV



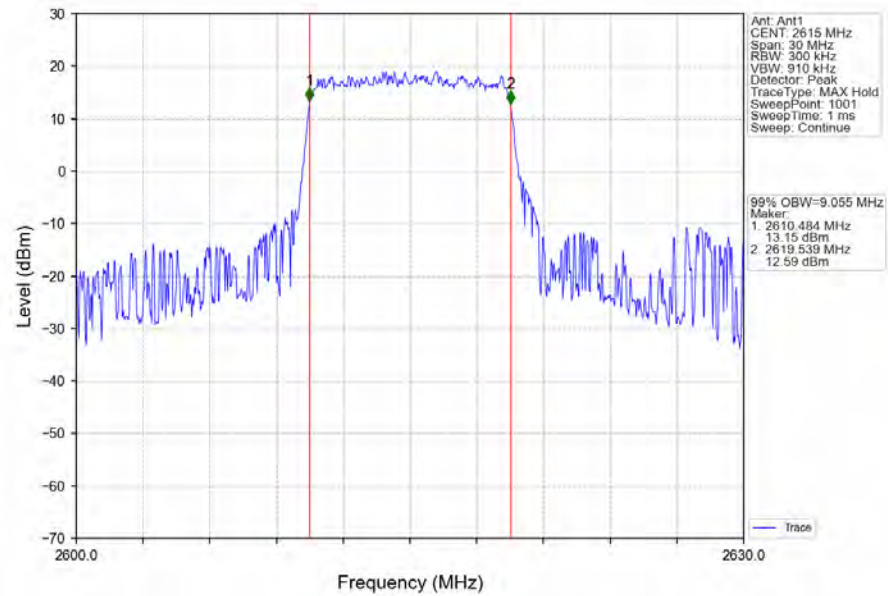
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



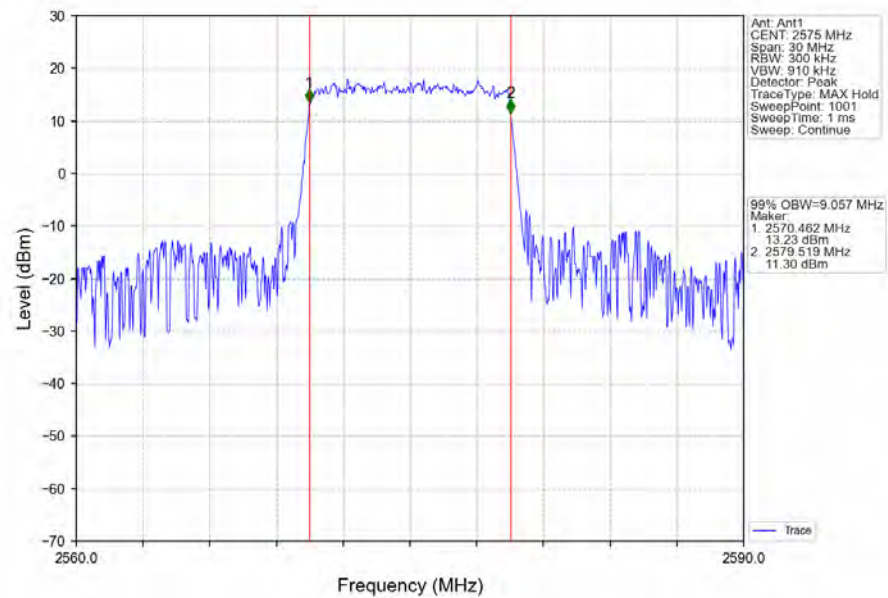
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



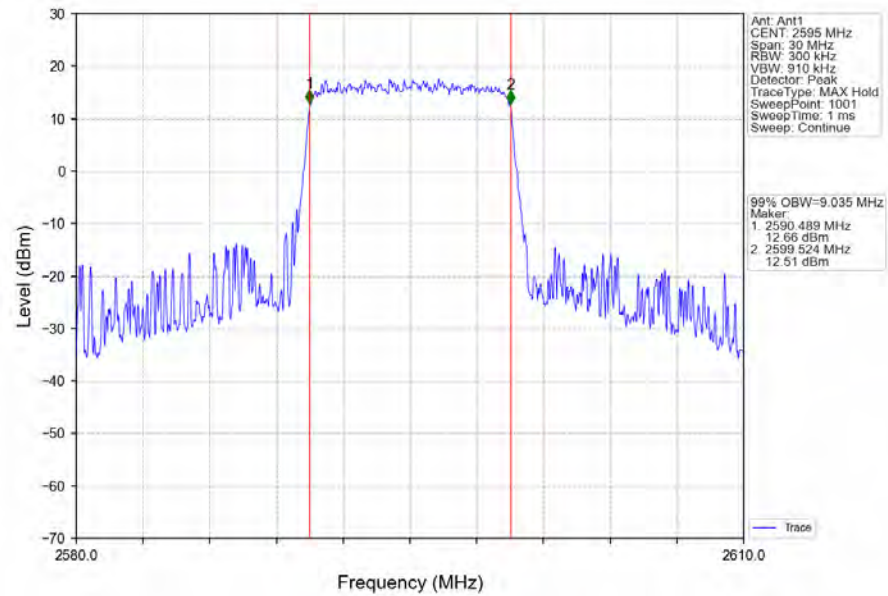
Band38 10MHz QPSK HCH 2615MHz RB 50 0 NTV



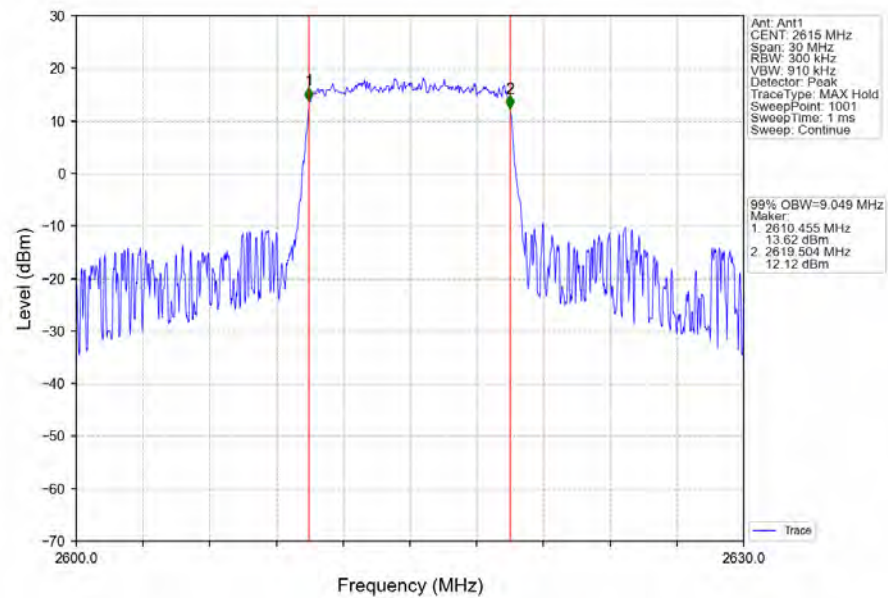
Band38 10MHz 16QAM LCH 2575MHz RB 50 0 NTV



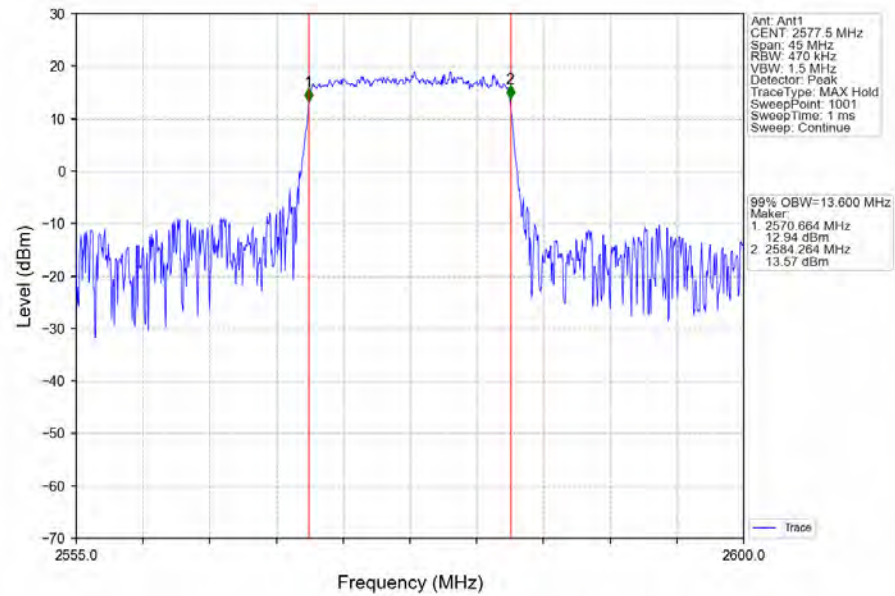
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



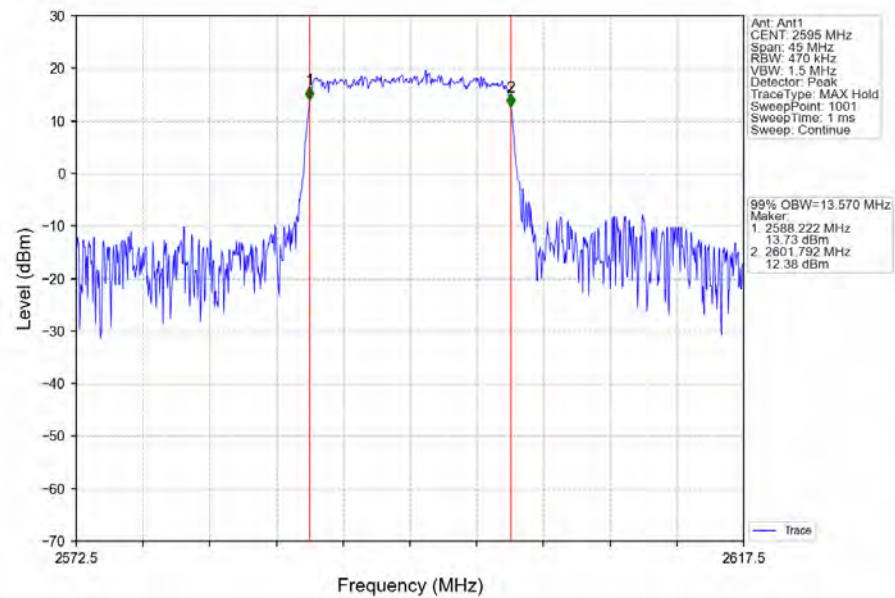
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



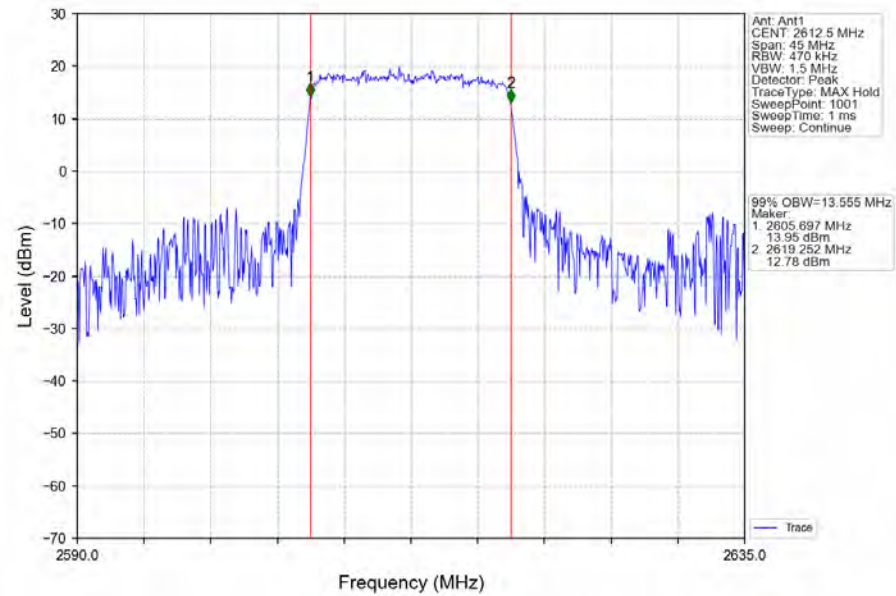
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



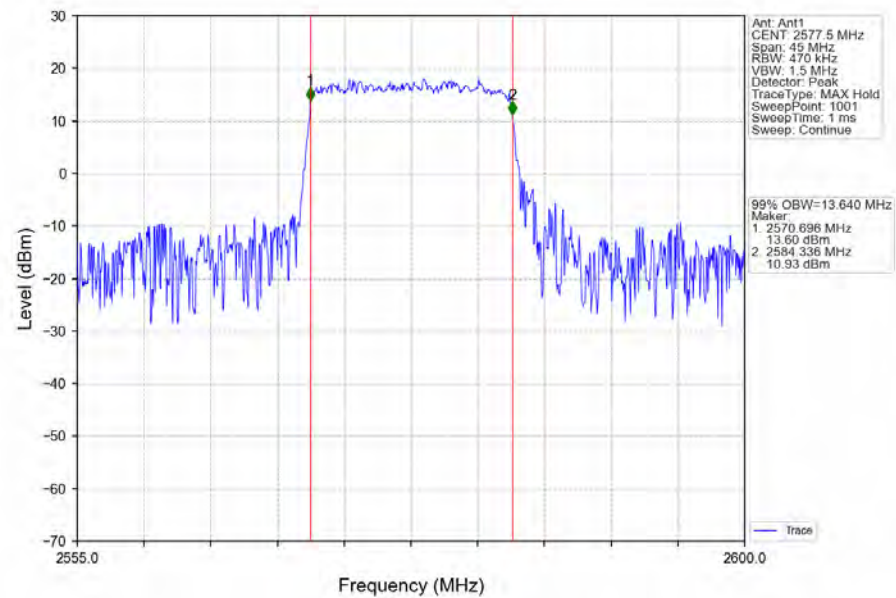
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



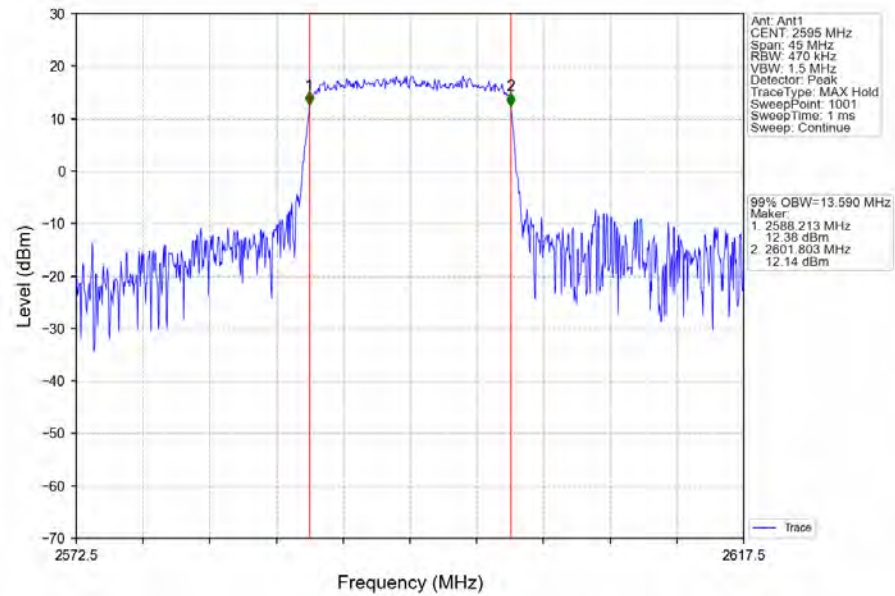
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN



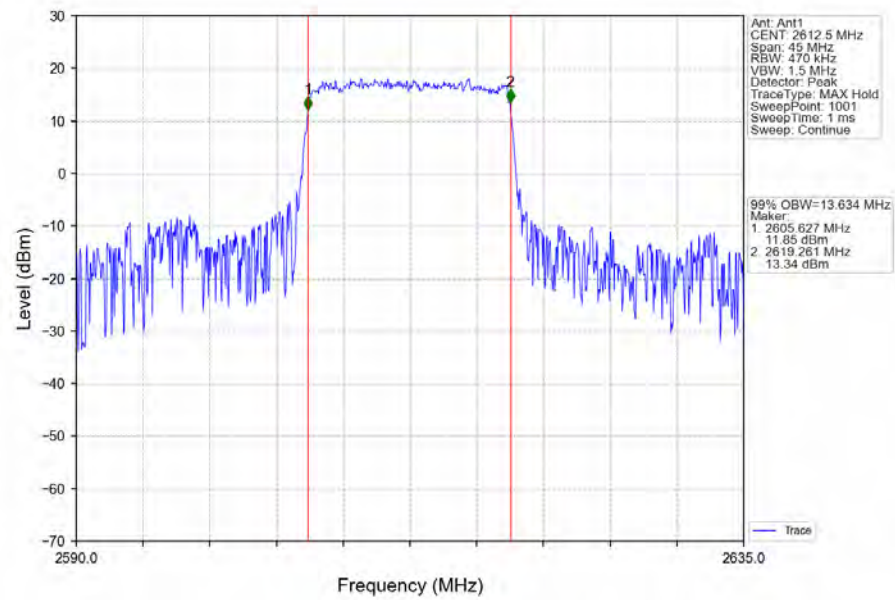
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTN



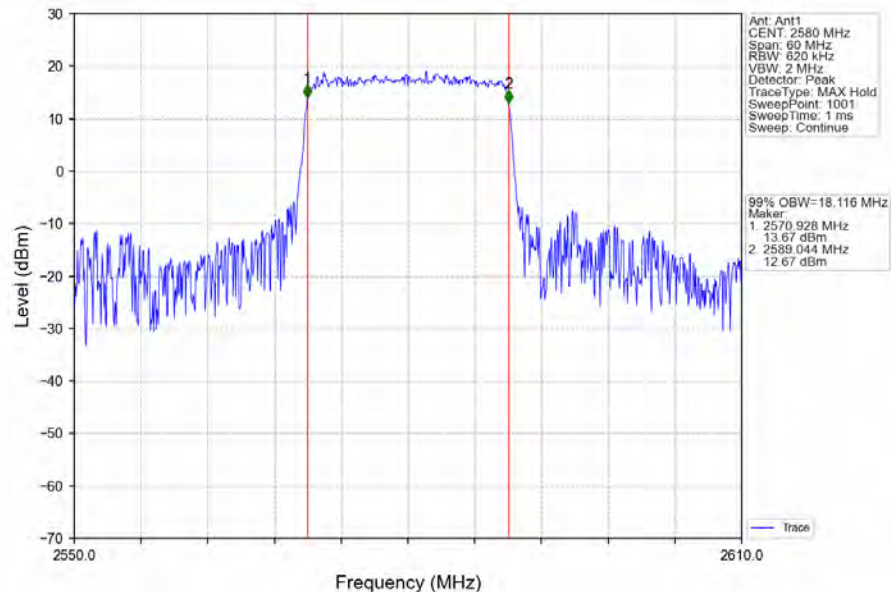
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



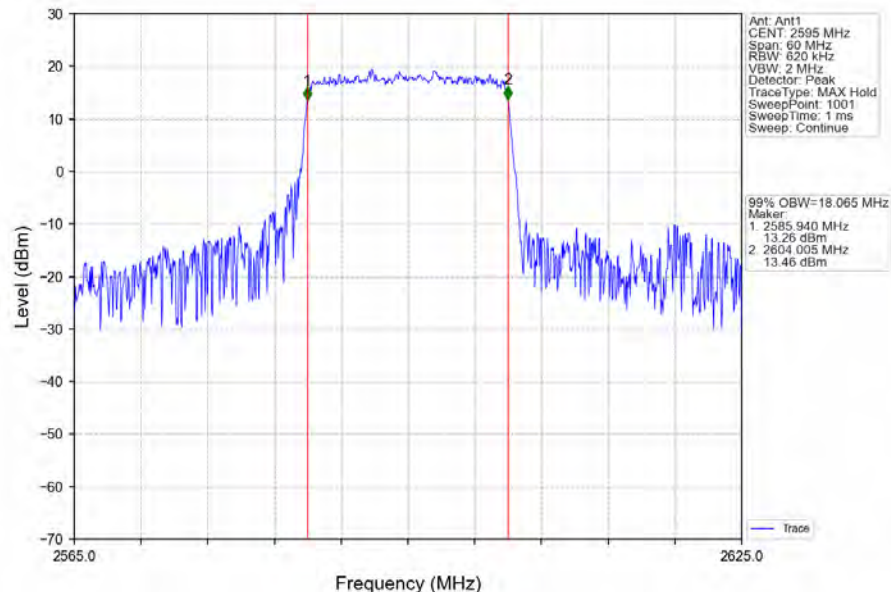
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



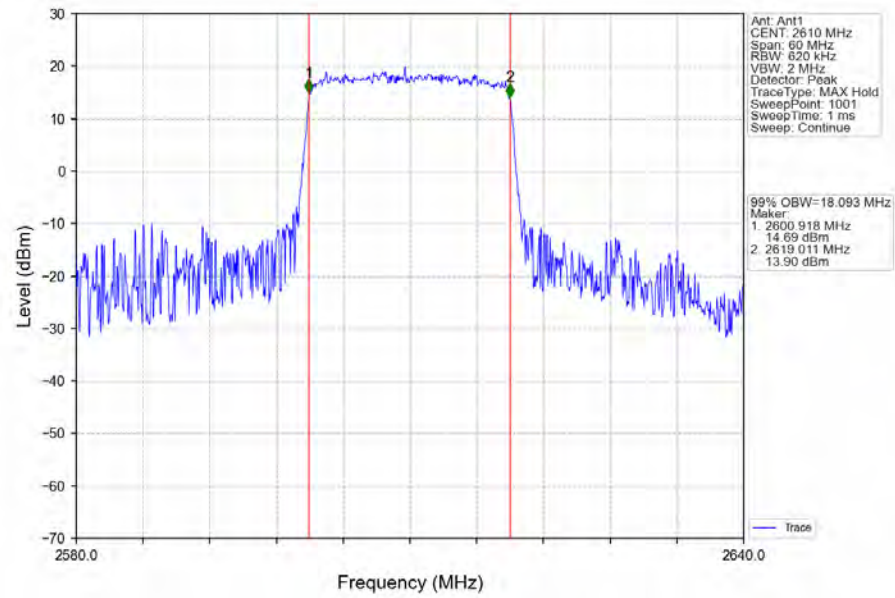
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



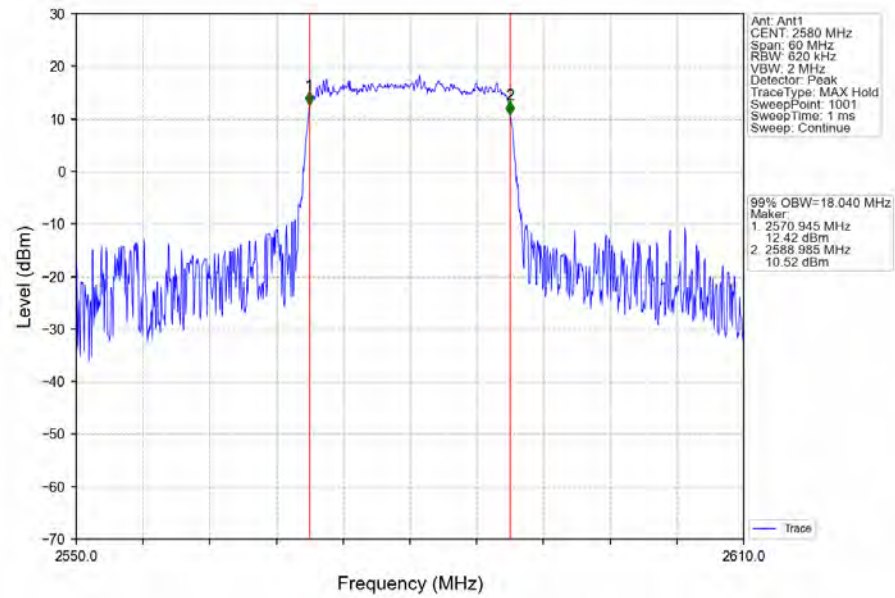
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



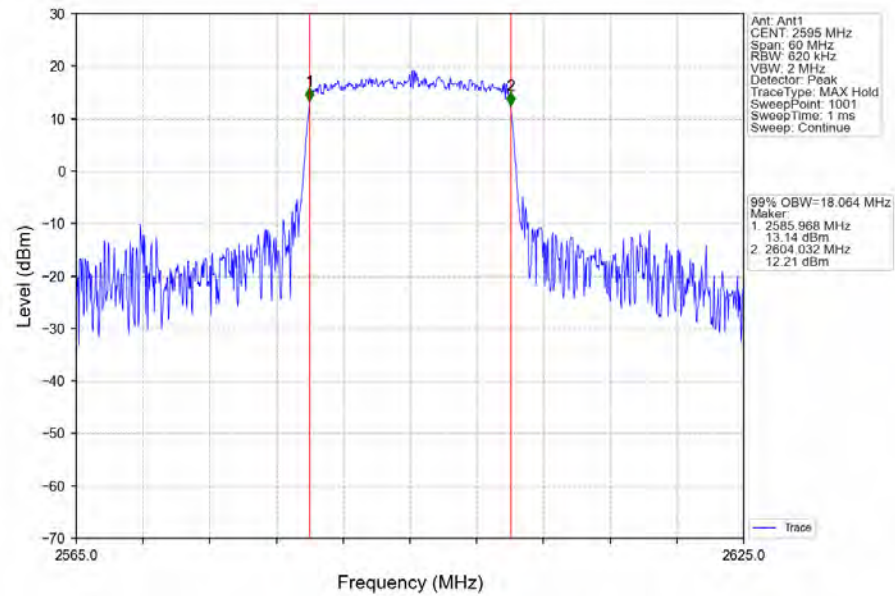
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



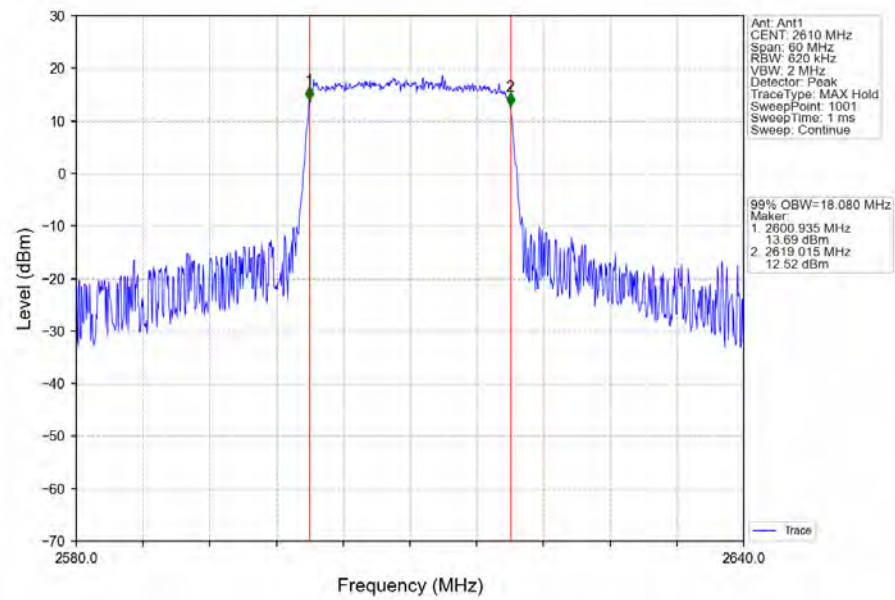
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTN



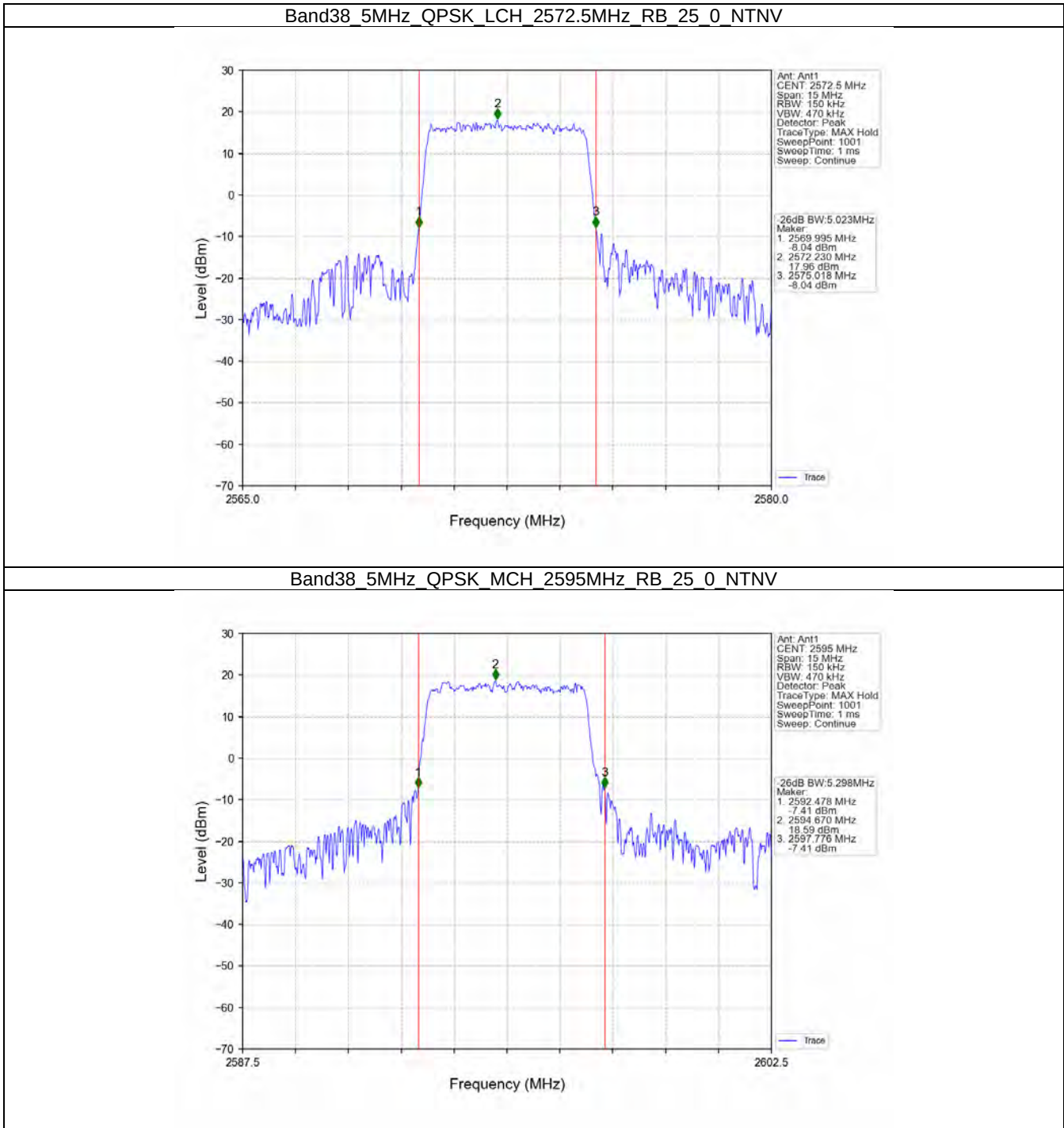
Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTN



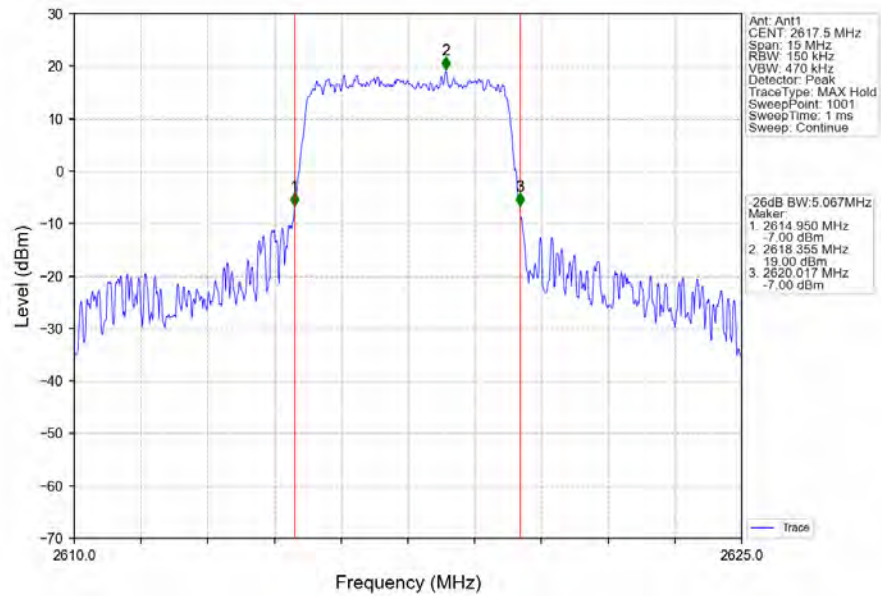
Band38 20MHz 16QAM HCH 2610MHz RB 100 0 NTN



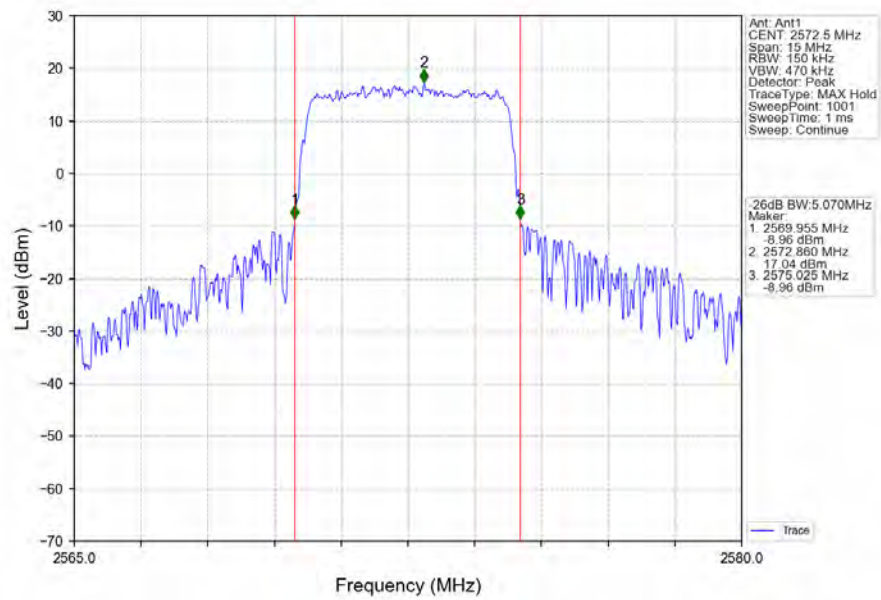
4.2.2 Band38_XDB



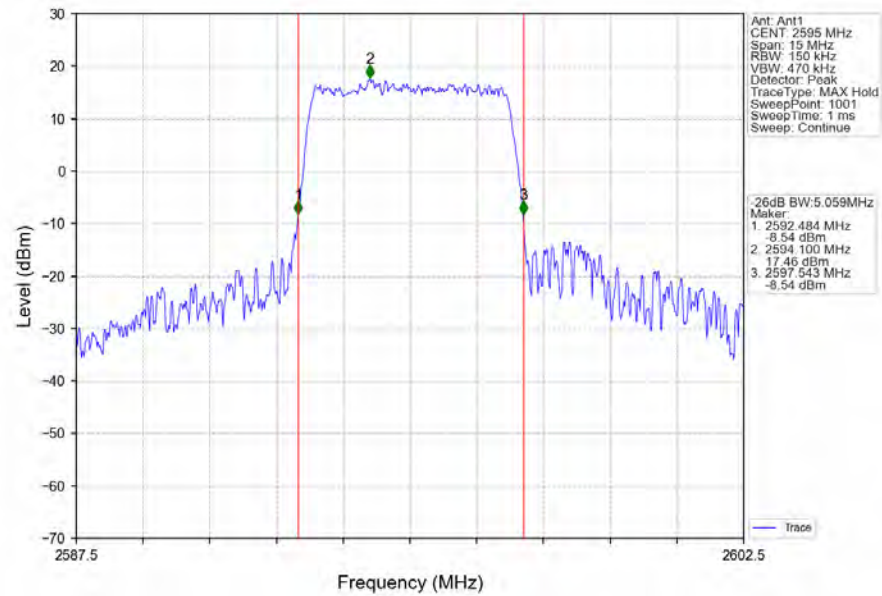
Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



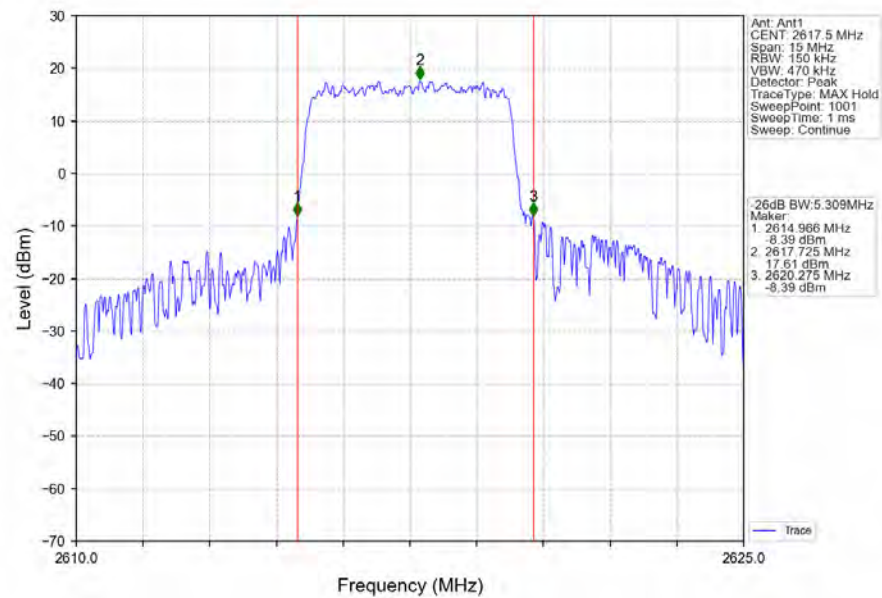
Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTNV



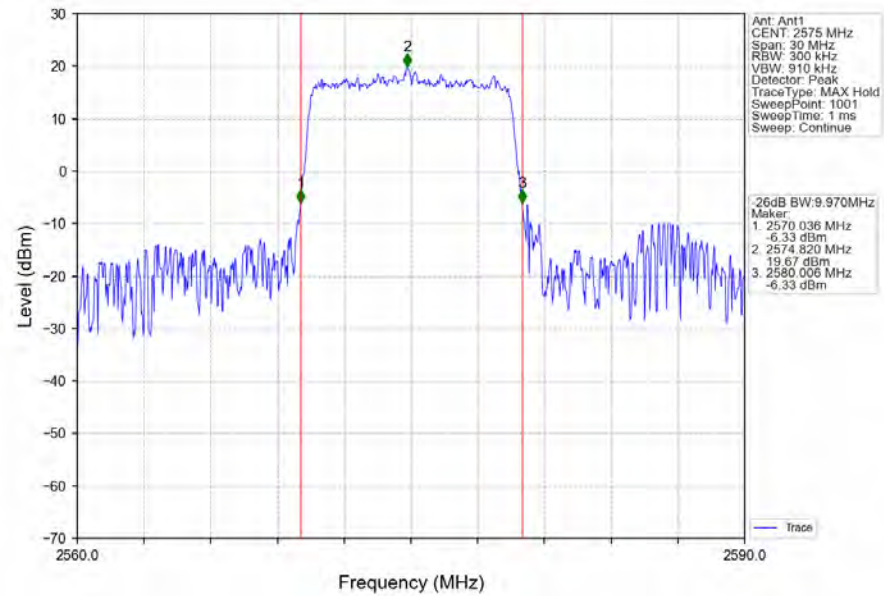
Band38 5MHz 16QAM MCH 2595MHz RB 25 0 NTNV



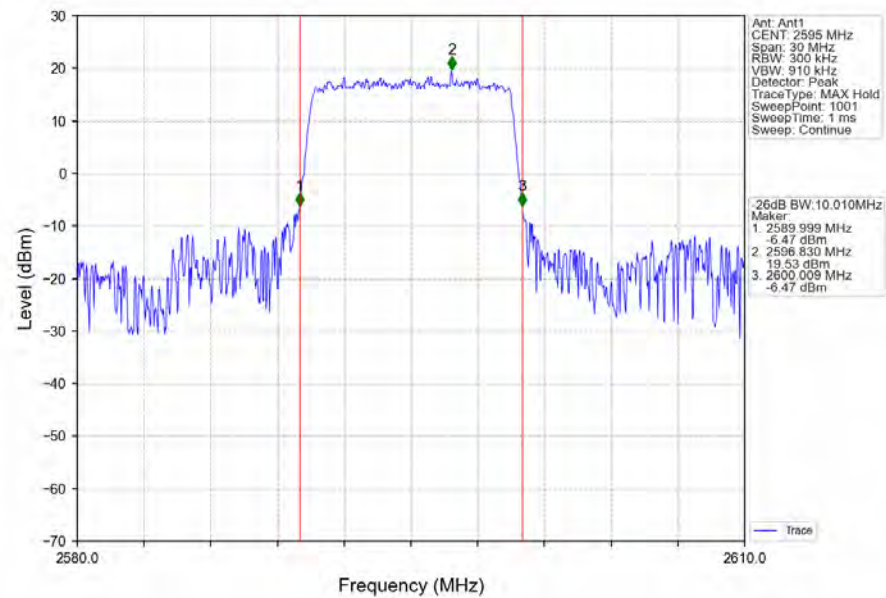
Band38 5MHz 16QAM HCH 2617.5MHz RB 25 0 NTNV



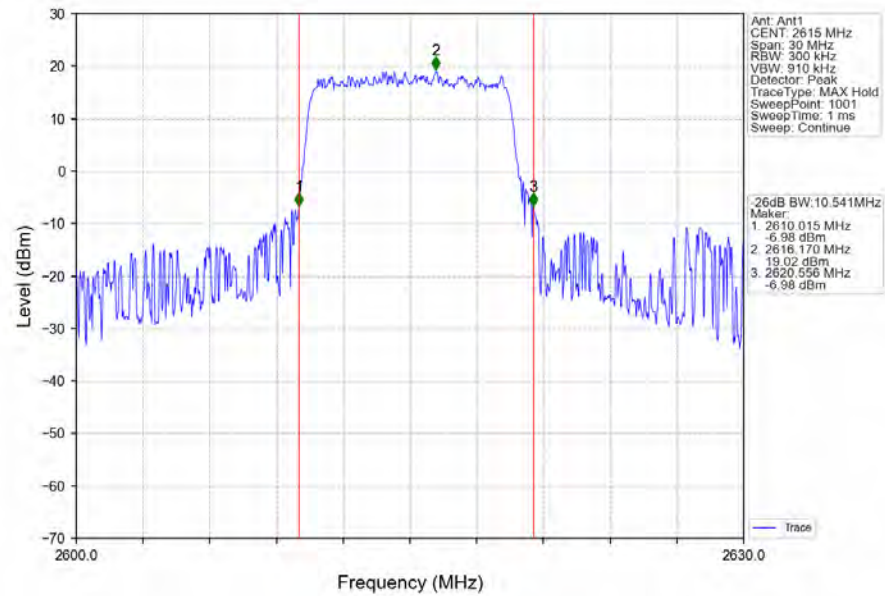
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



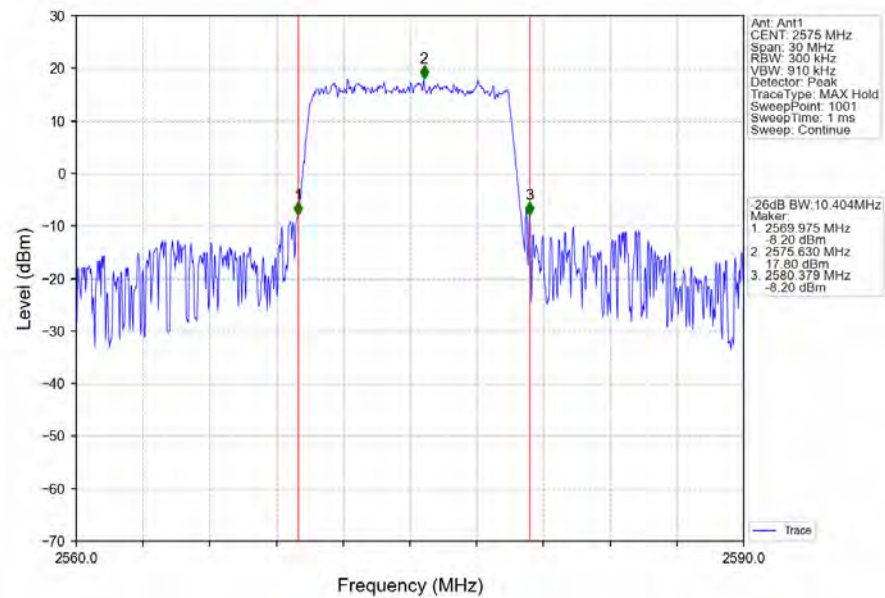
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



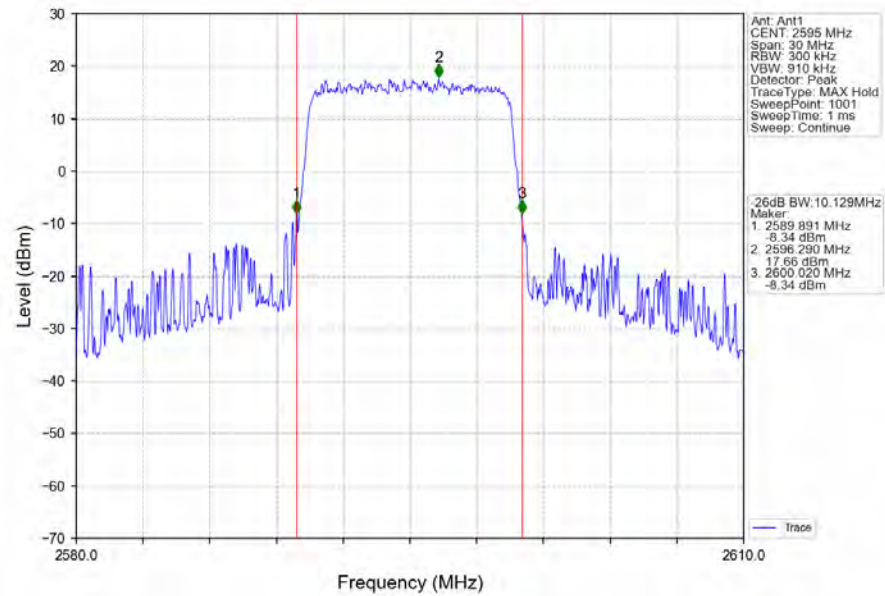
Band38 10MHz QPSK HCH 2615MHz RB 50 0 NTV



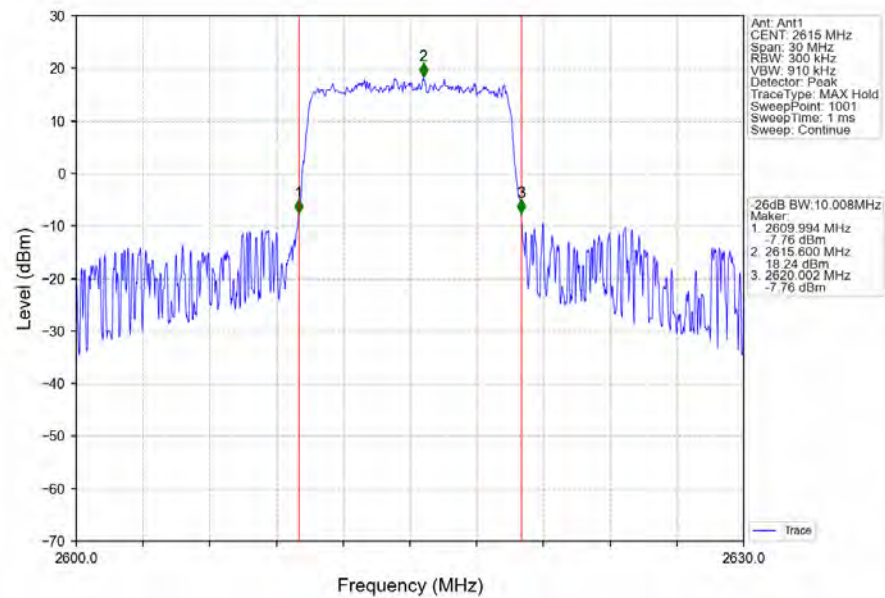
Band38 10MHz 16QAM LCH 2575MHz RB 50 0 NTV



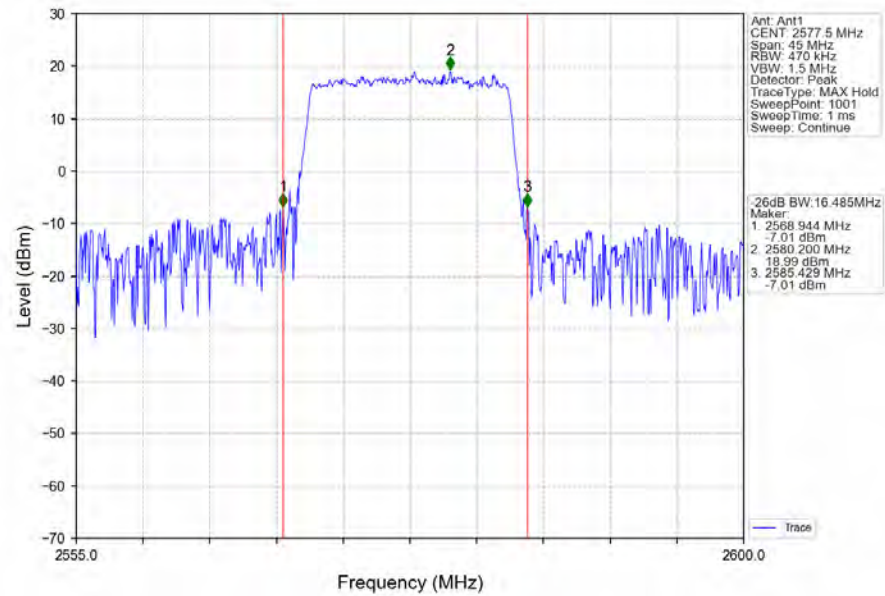
Band38 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



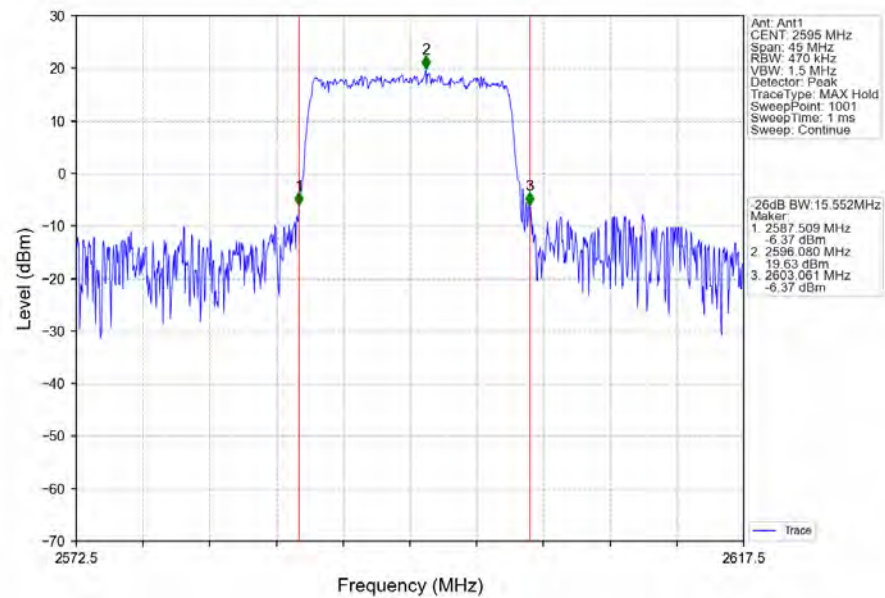
Band38 10MHz 16QAM HCH 2615MHz RB 50 0 NTNV



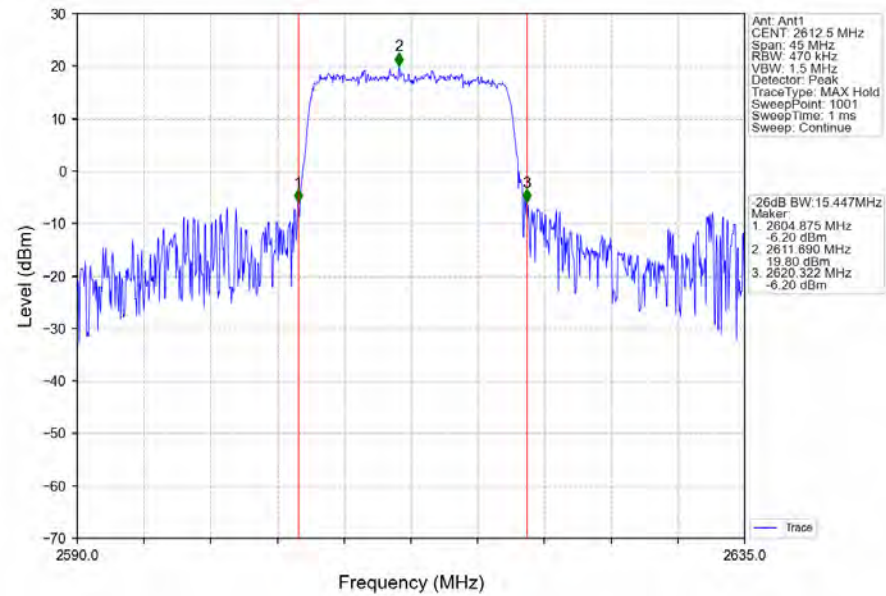
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



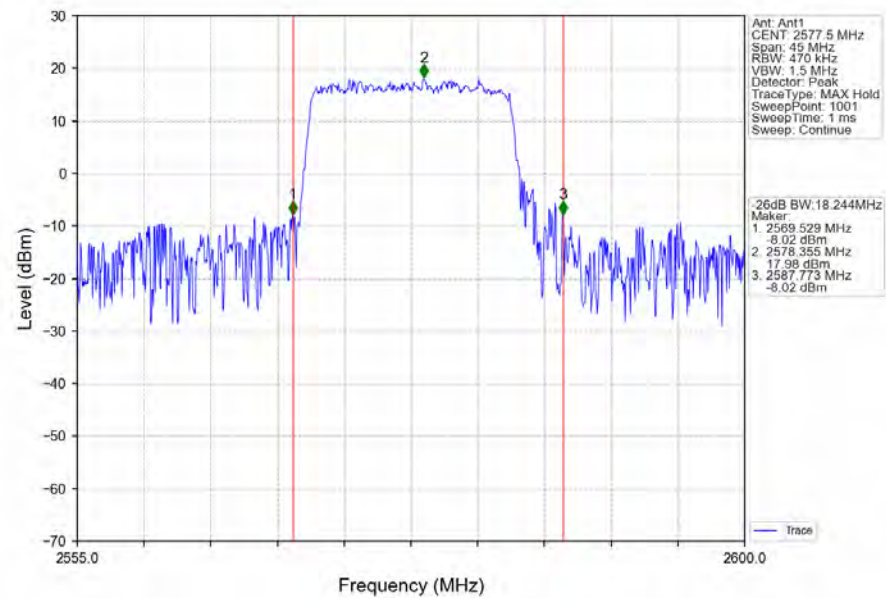
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



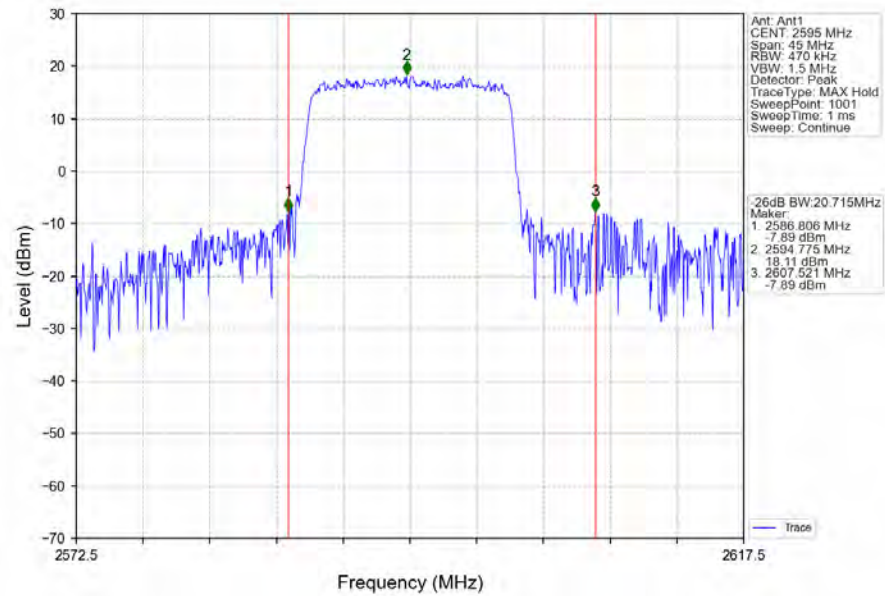
Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN



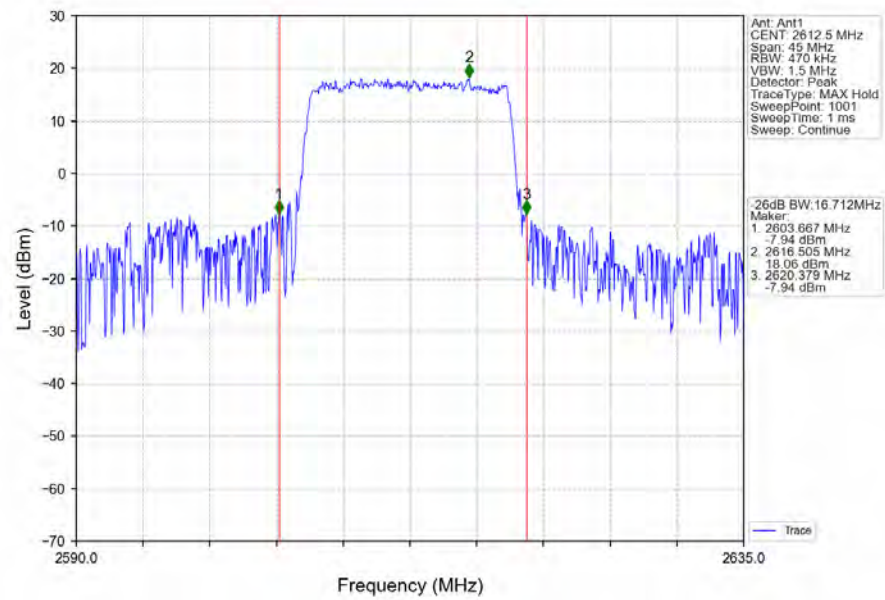
Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTN



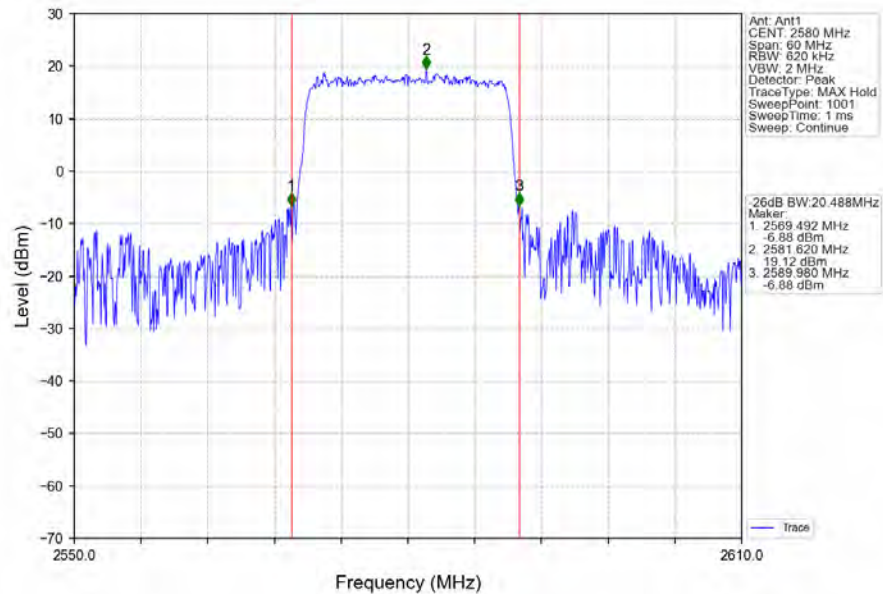
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



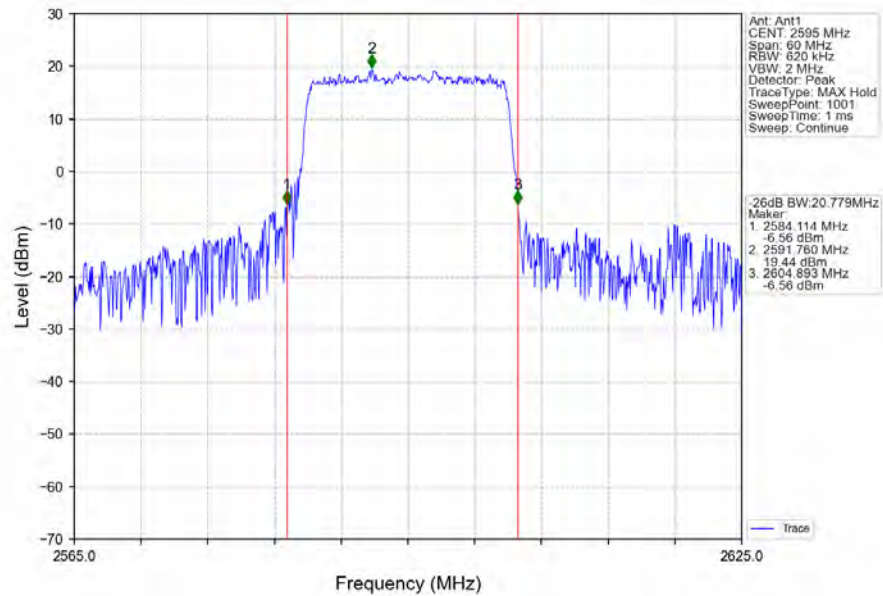
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



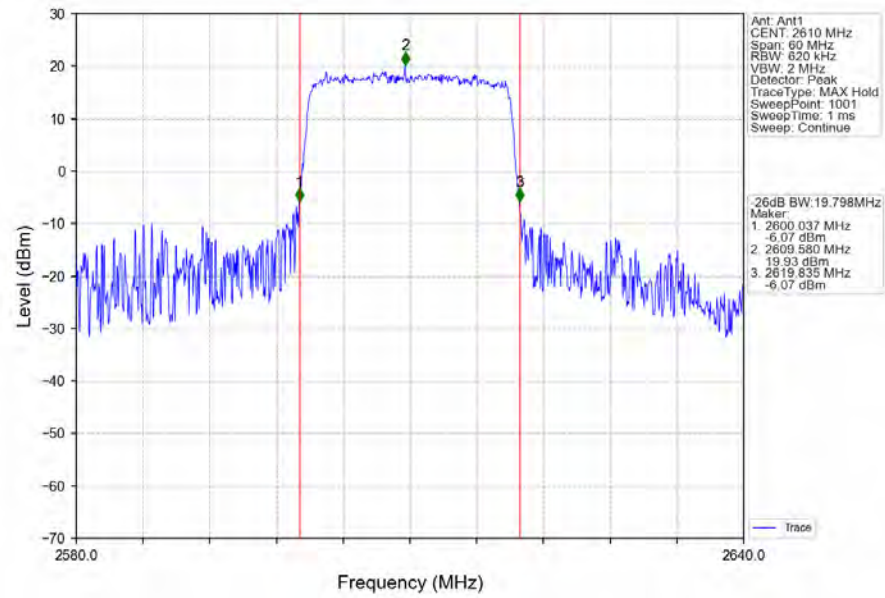
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



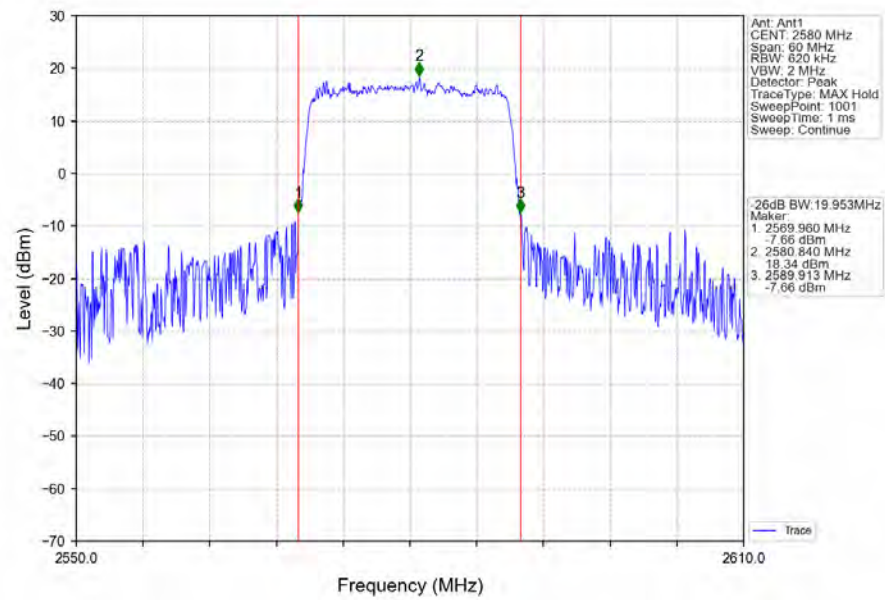
Band38 20MHz QPSK MCH 2595MHz RB 100 0 NTNV



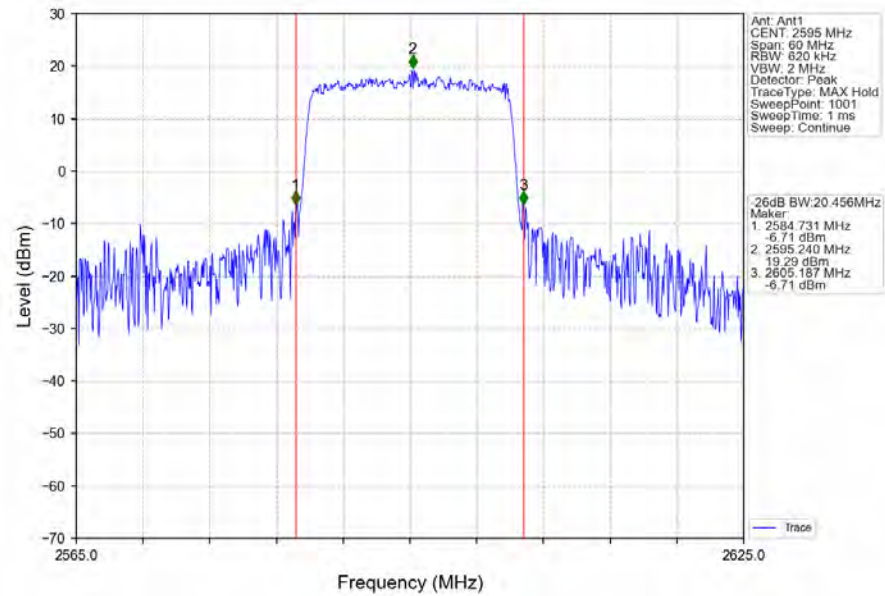
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTNV



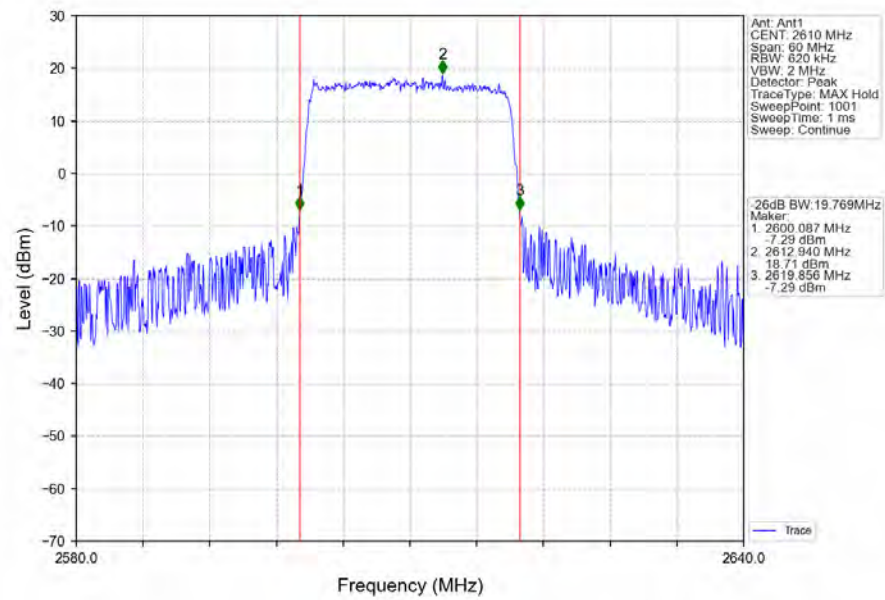
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTNV



Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTN



Band38 20MHz 16QAM HCH 2610MHz RB 100 0 NTN



5. Peak-Average Ratio

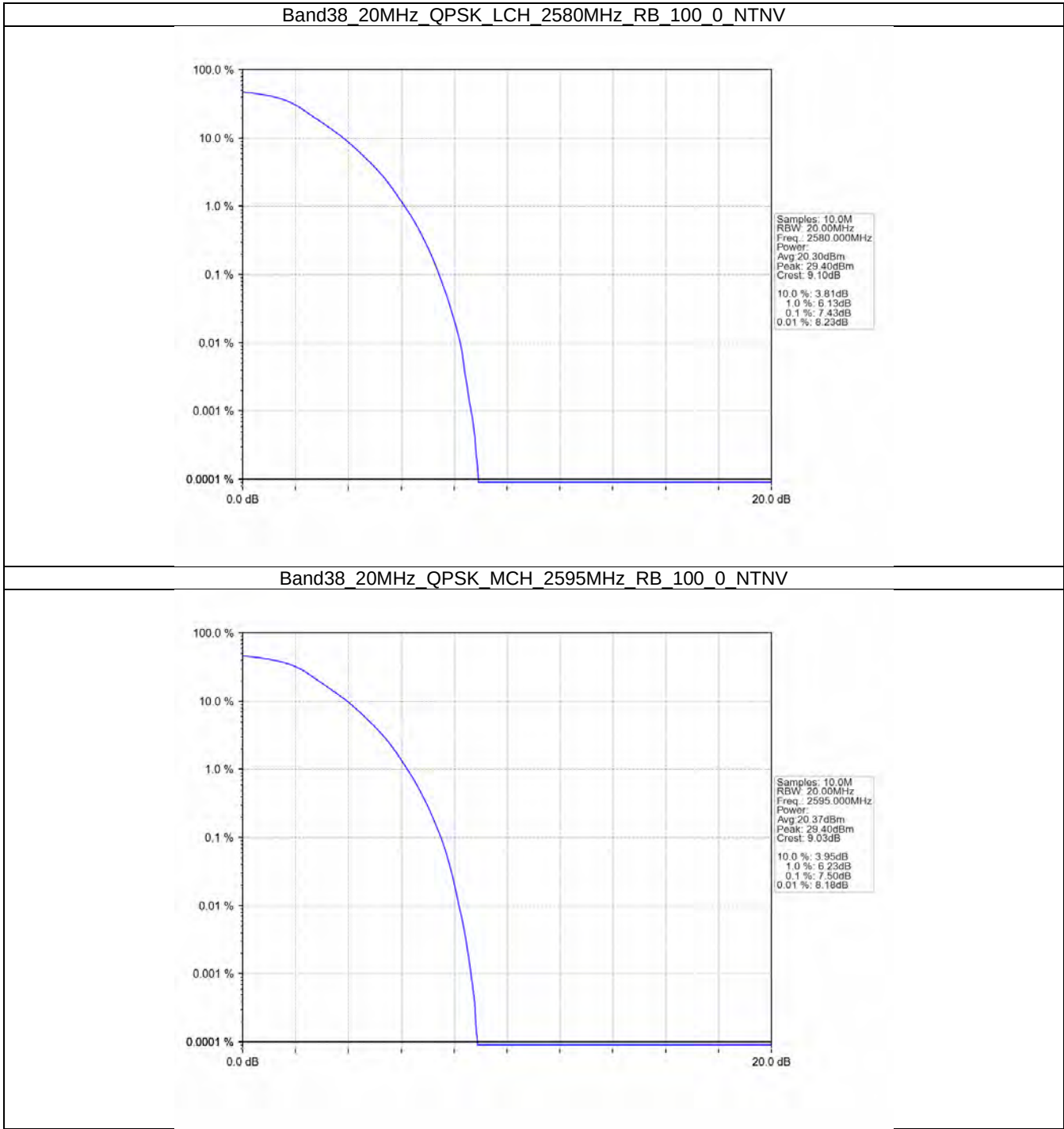
5.1 Test Result

5.1.1 B38_20MHz

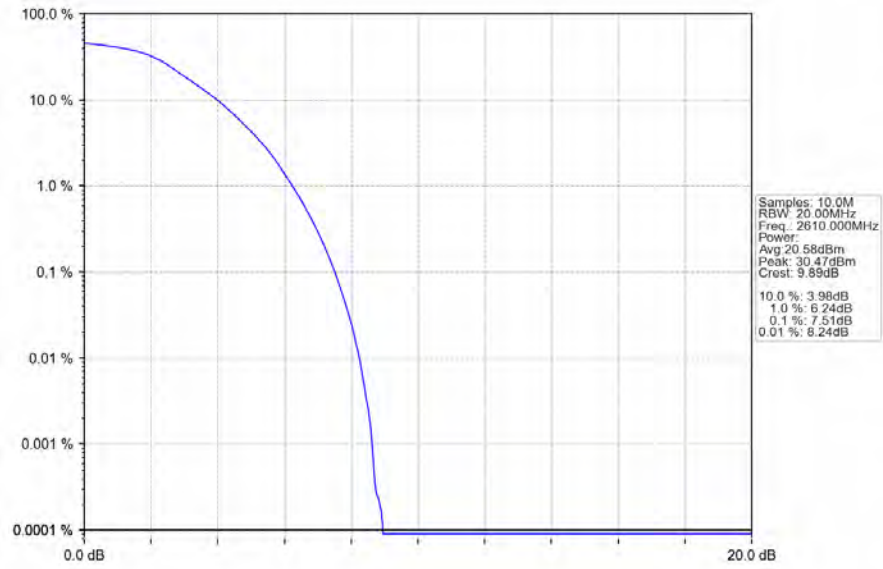
Band: 38 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	100	0	7.43	<=13	Pass
	2595	100	0	7.50	<=13	Pass
	2610	100	0	7.51	<=13	Pass
16QAM	2580	100	0	8.22	<=13	Pass
	2595	100	0	8.02	<=13	Pass
	2610	100	0	8.01	<=13	Pass

5.2 Test Graph

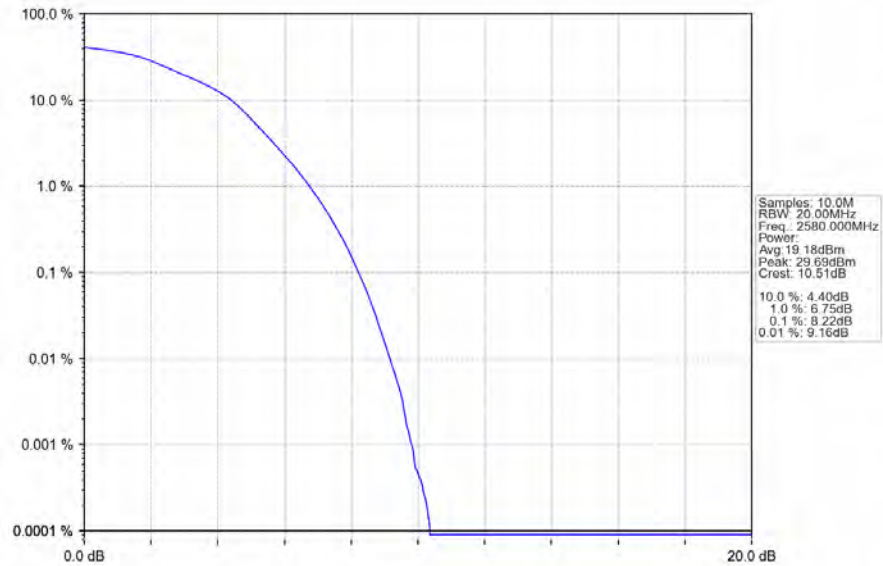
5.2.1 B38_20MHz



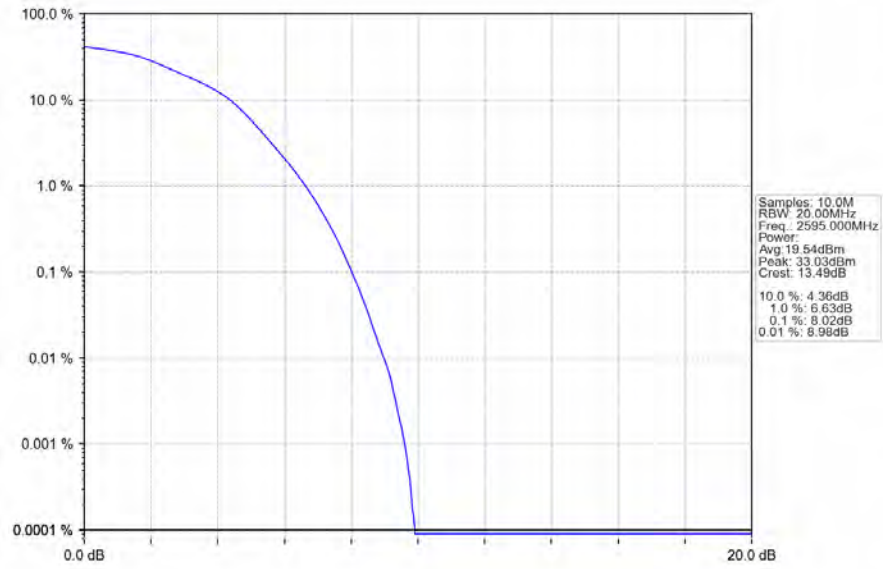
Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTN



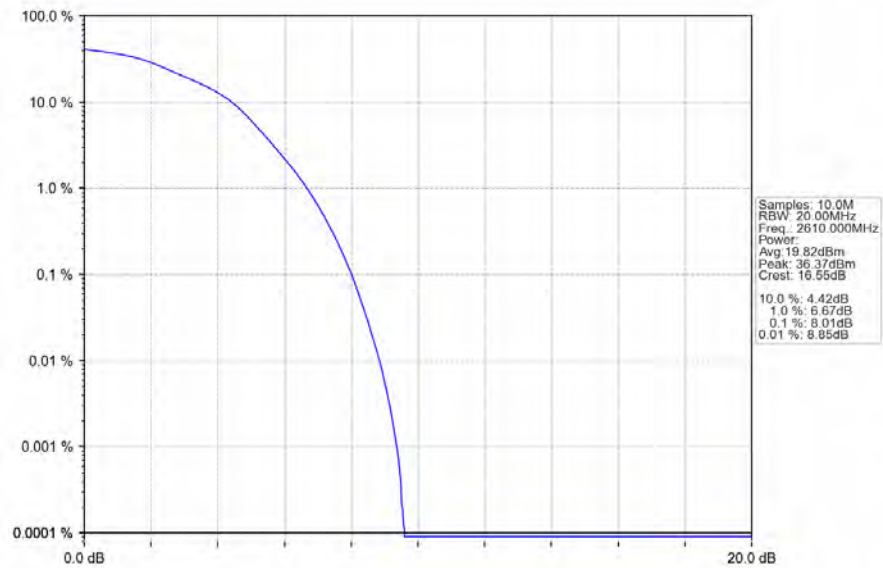
Band38 20MHz 16QAM LCH 2580MHz RB 100 0 NTN



Band38 20MHz 16QAM MCH 2595MHz RB 100 0 NTN



Band38 20MHz 16QAM HCH 2610MHz RB 100 0 NTN



6. Spurious Emission & Band Edges

6.1 Test Result

6.1.1 B38_5MHz

Band: 38 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2572.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2617.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B38_10MHz

Band: 38 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2575	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2615	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.3 B38_15MHz

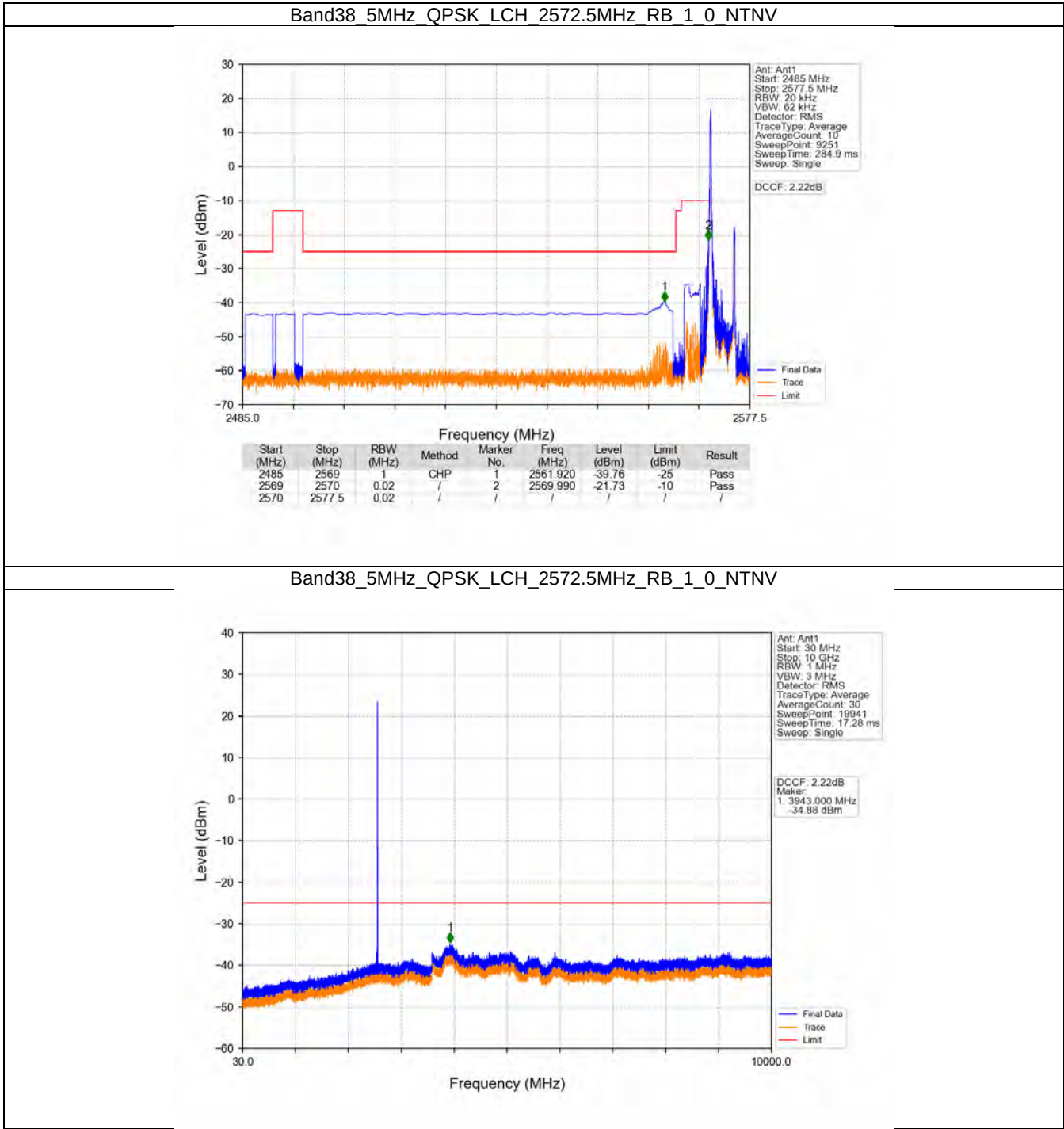
Band: 38 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2577.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2612.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

6.1.4 B38_20MHz

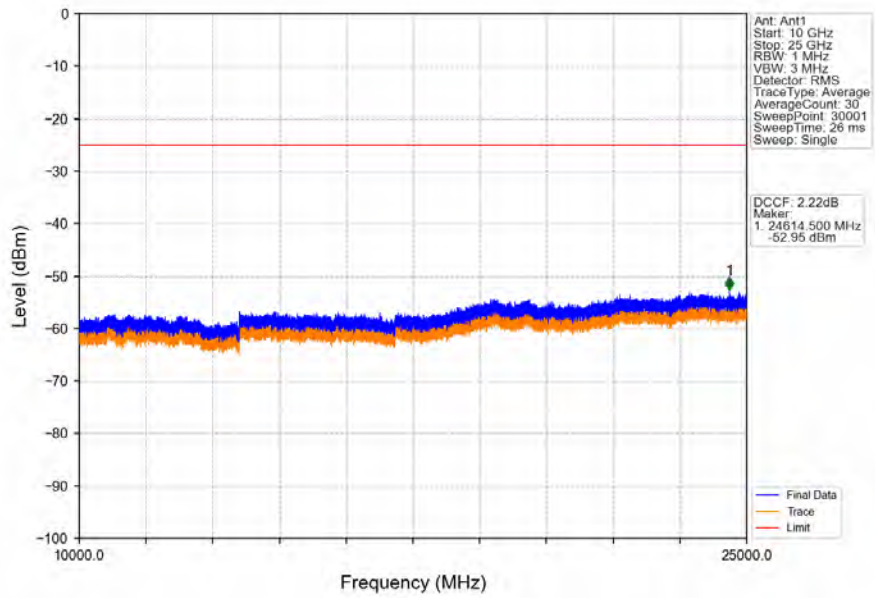
Band: 38 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2580	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2610	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

6.2 Test Graph

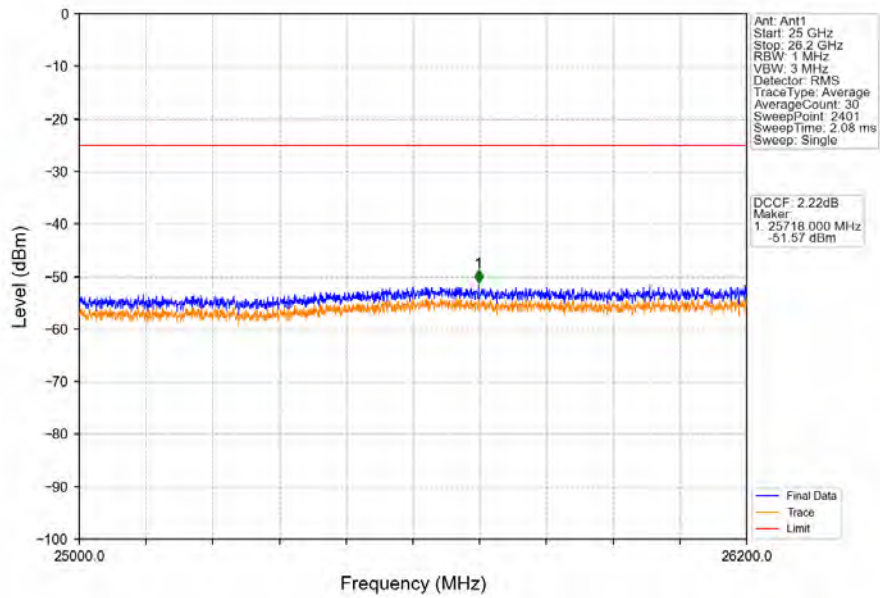
6.2.1 B38_5MHz



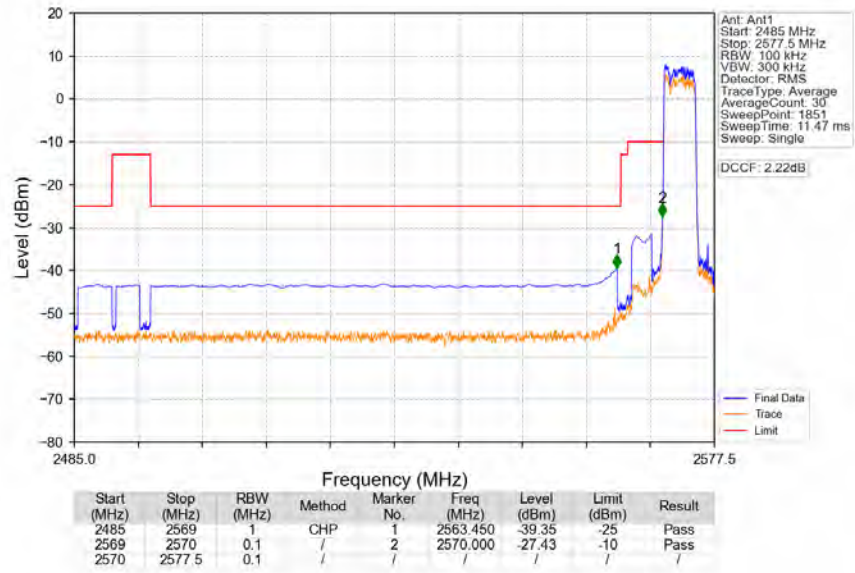
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



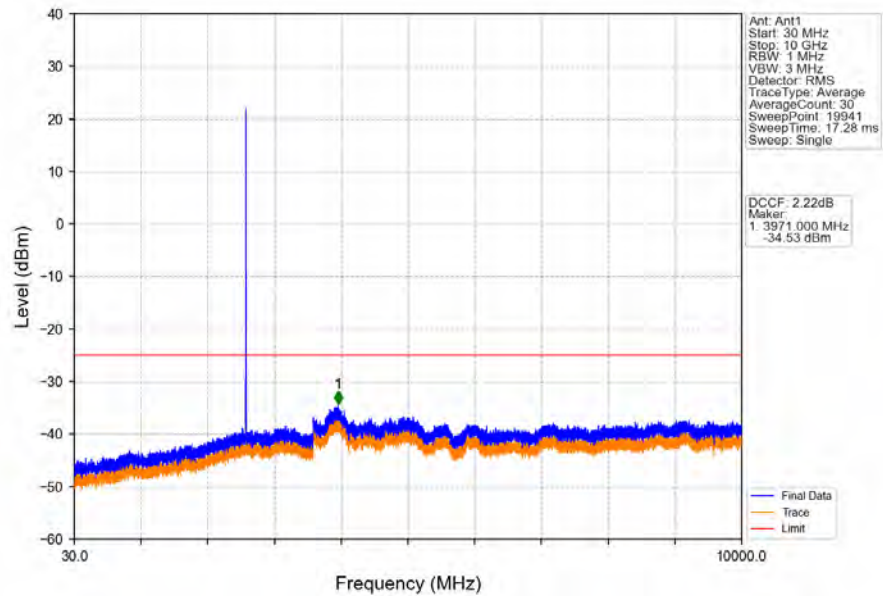
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



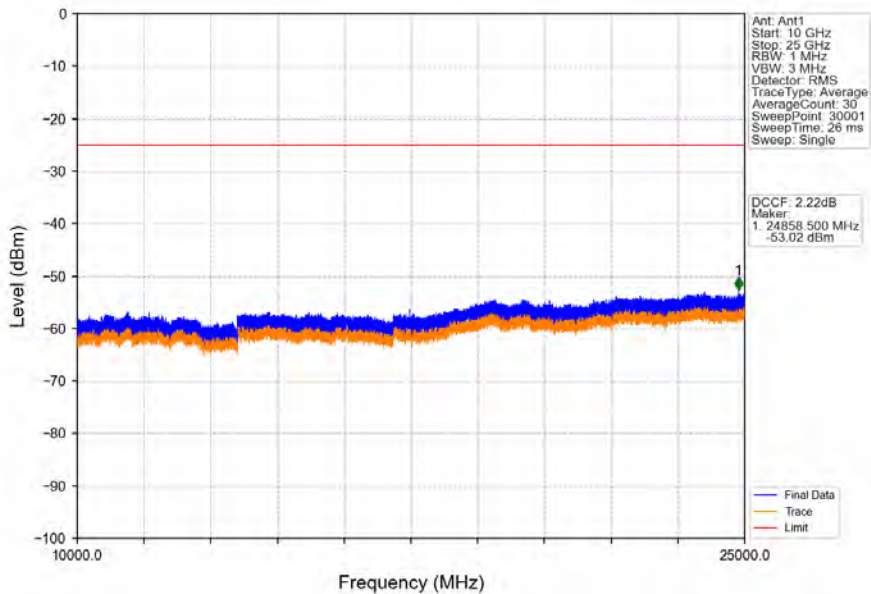
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



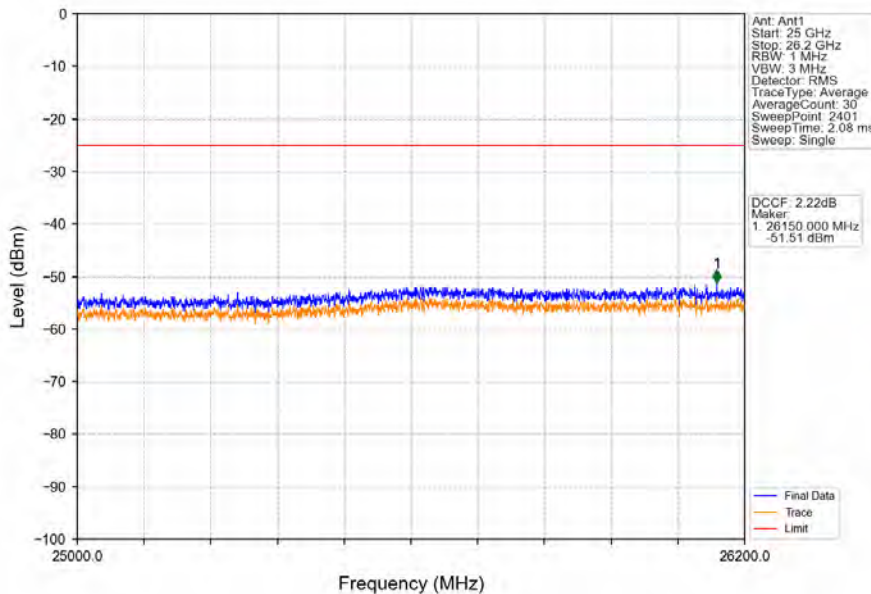
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



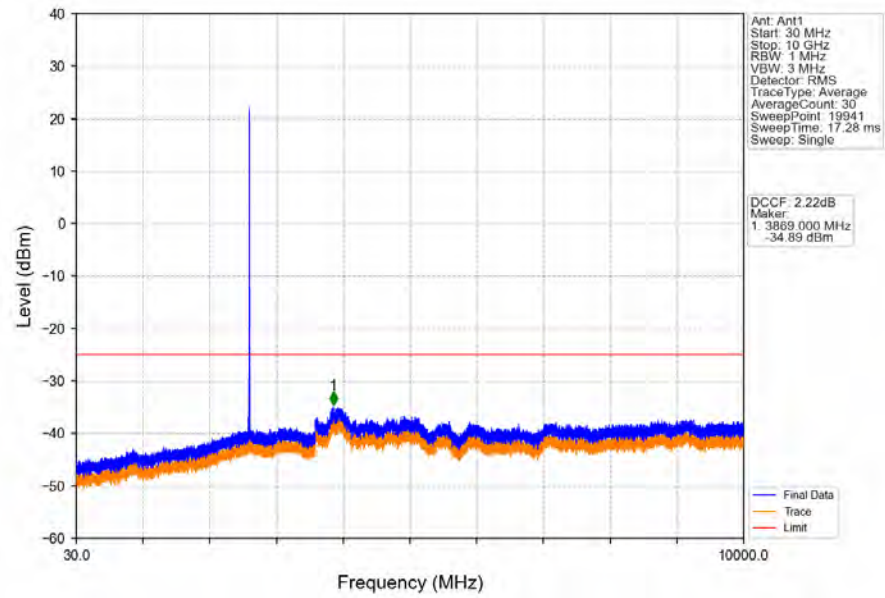
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



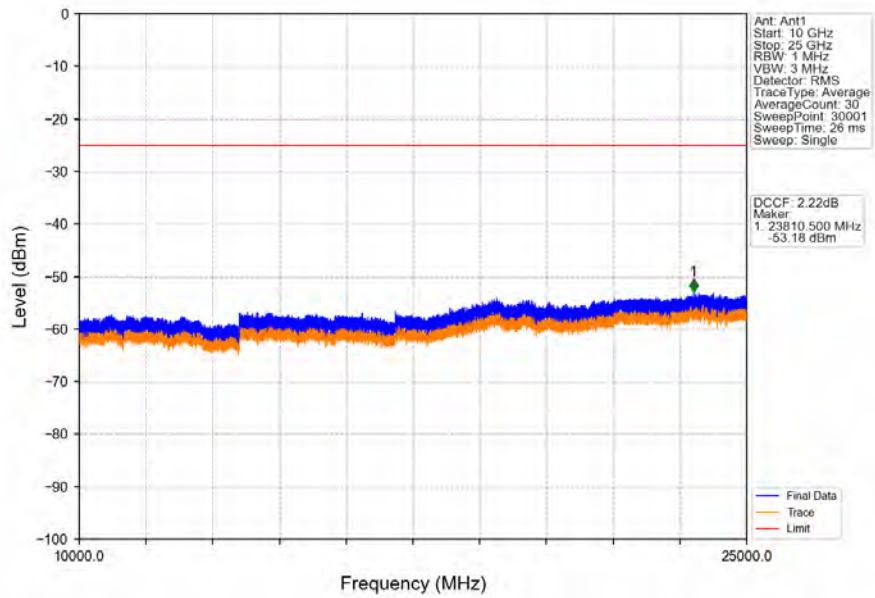
Band38_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



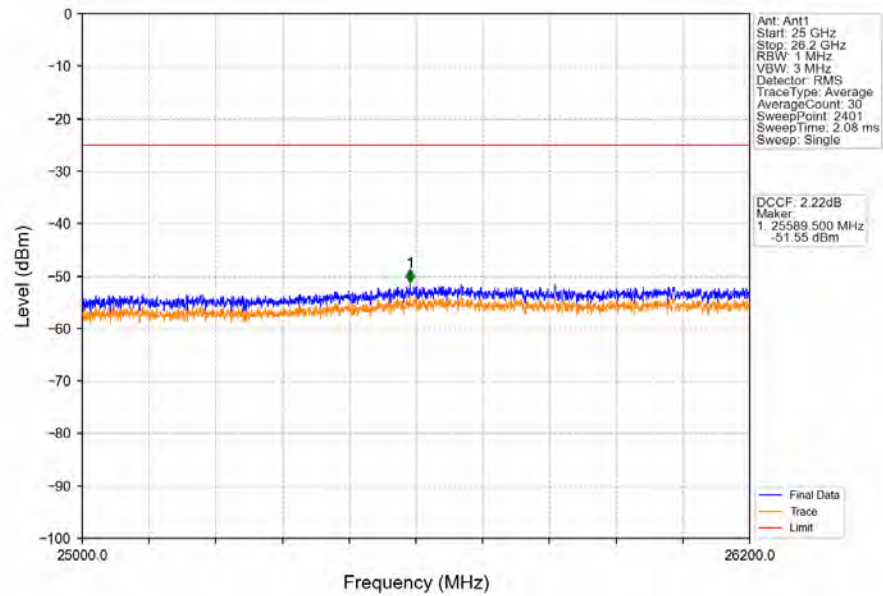
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



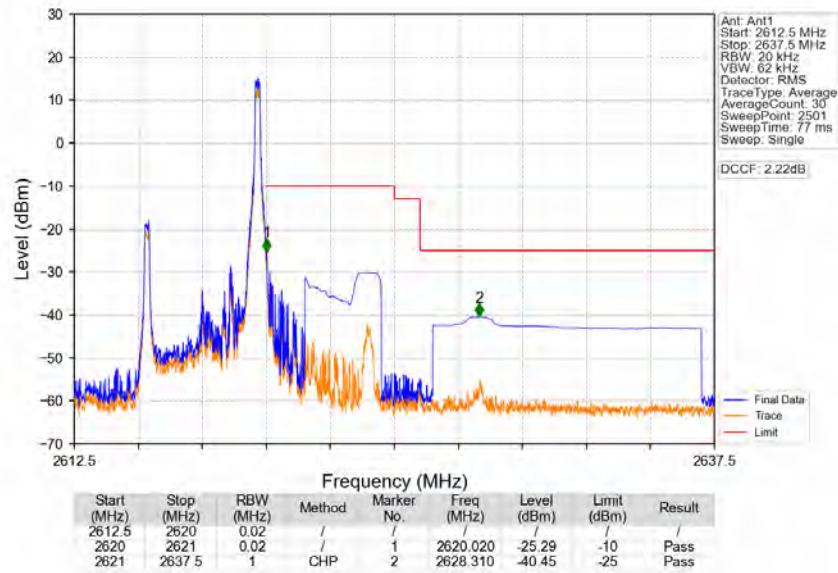
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



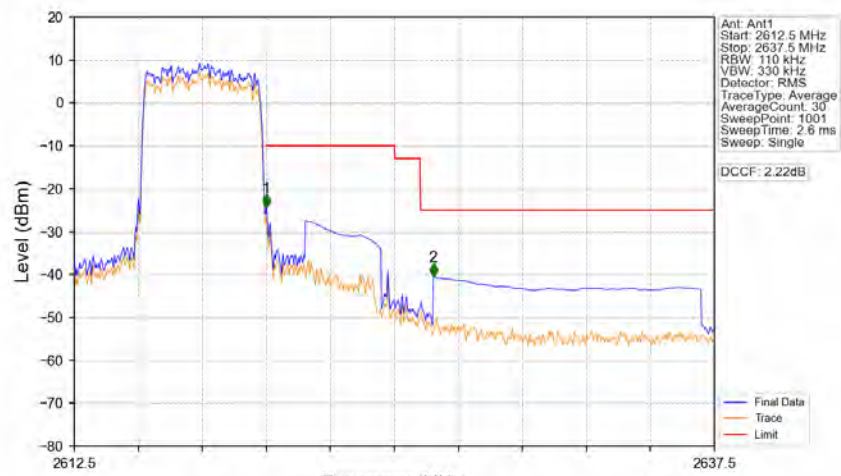
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTN



Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTN

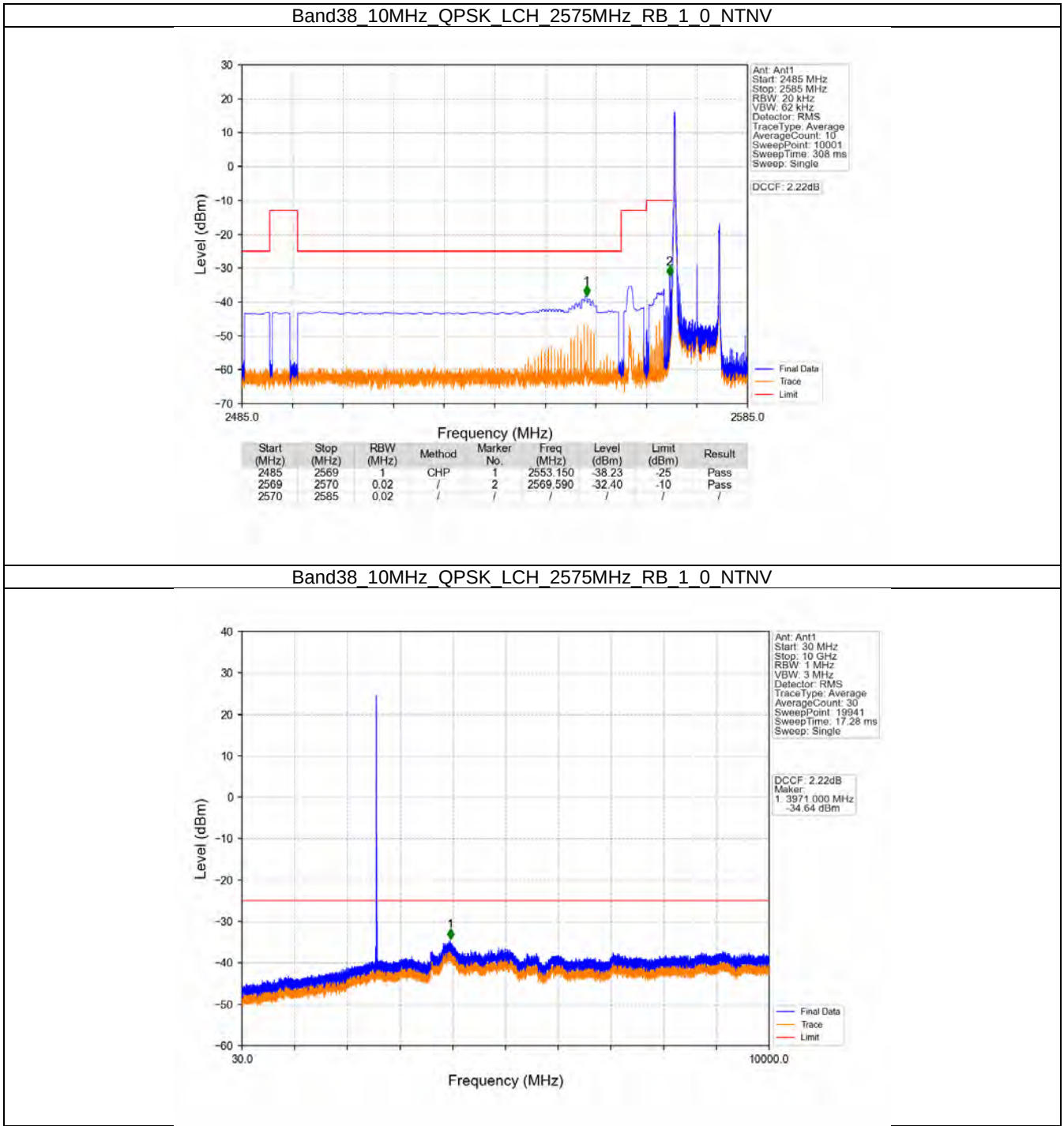


Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV

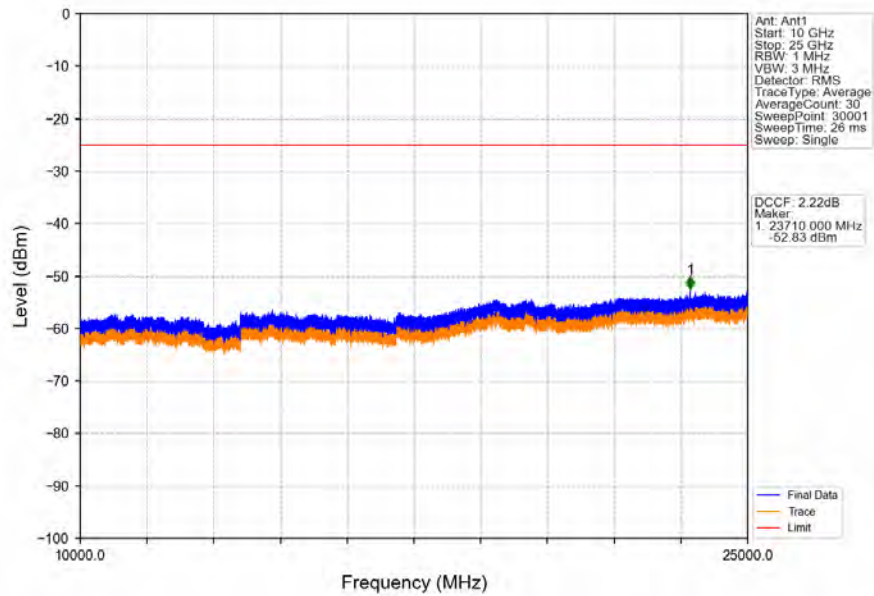


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.11	/	1	2620.000	-24.35	-10	Pass
2620	2621	0.11	/	1	2620.000	-24.35	-10	Pass
2621	2637.5	1	CHP	2	2626.525	-40.40	-25	Pass

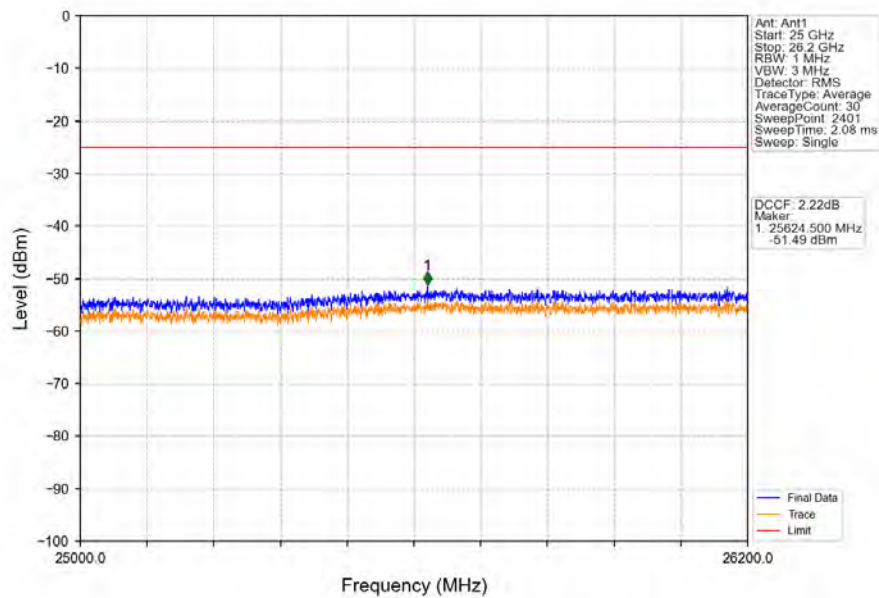
6.2.2 B38_10MHz



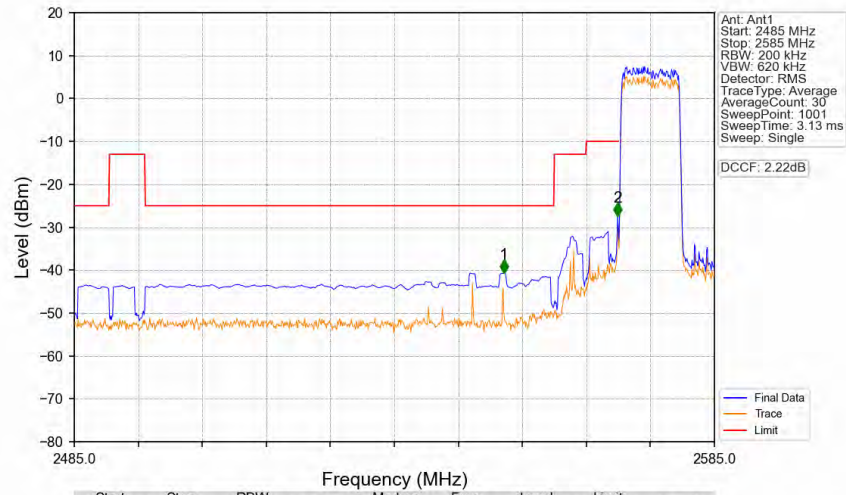
Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTNV



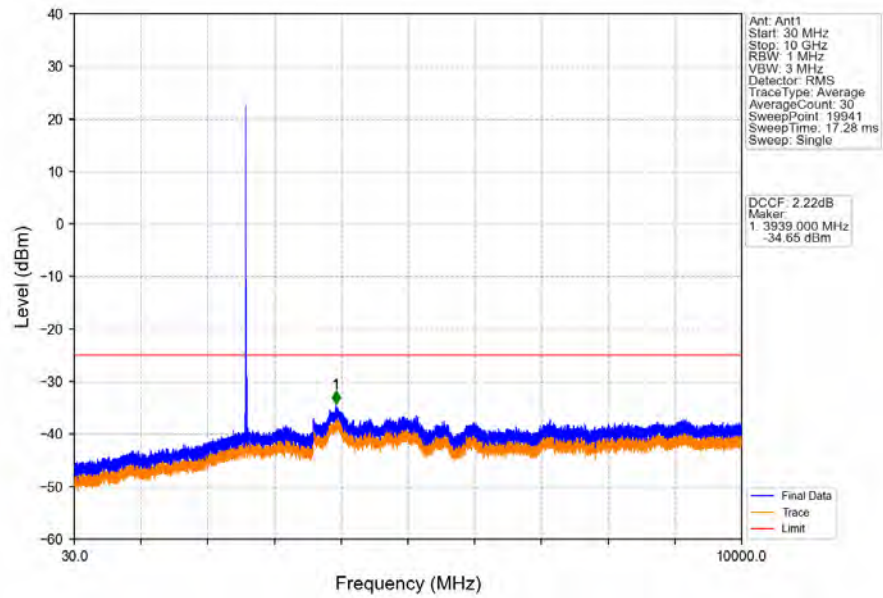
Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTNV



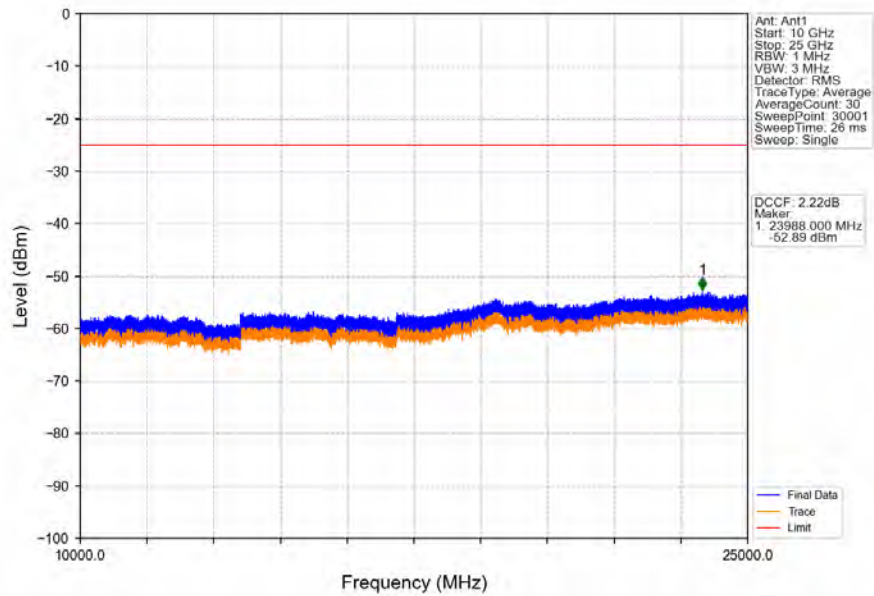
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



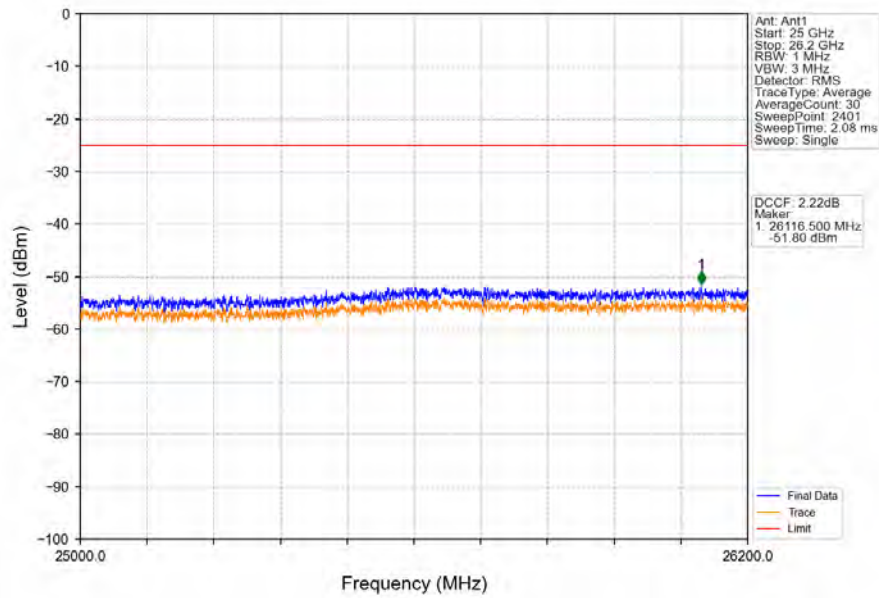
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



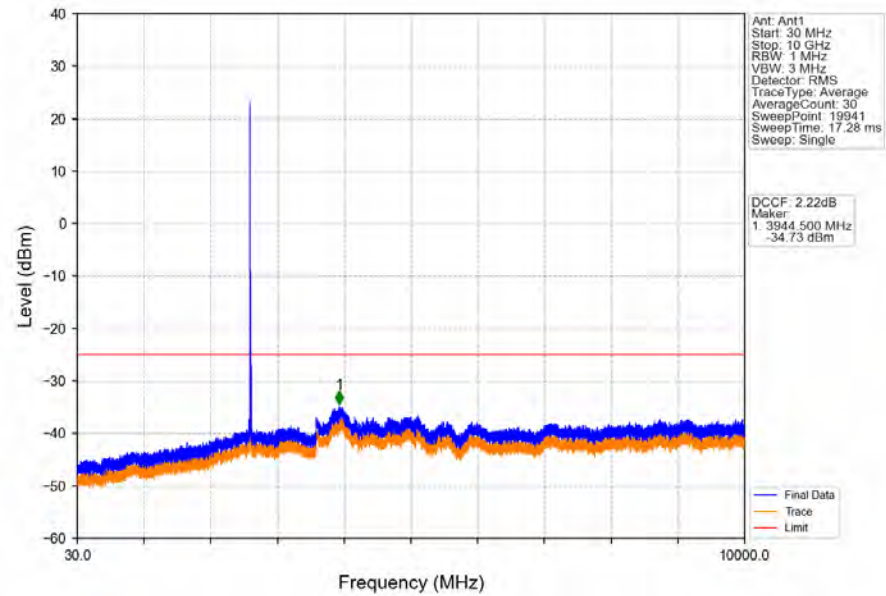
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



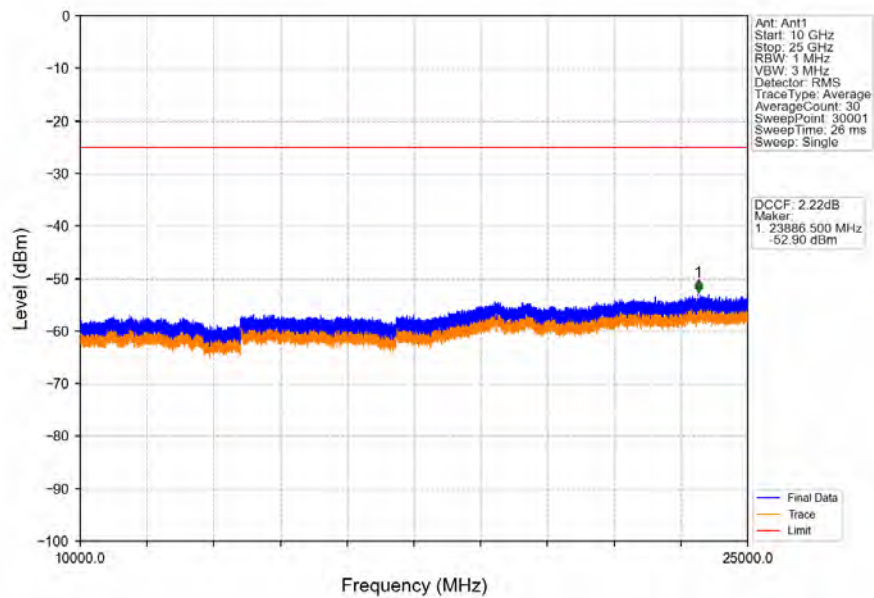
Band38_10MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



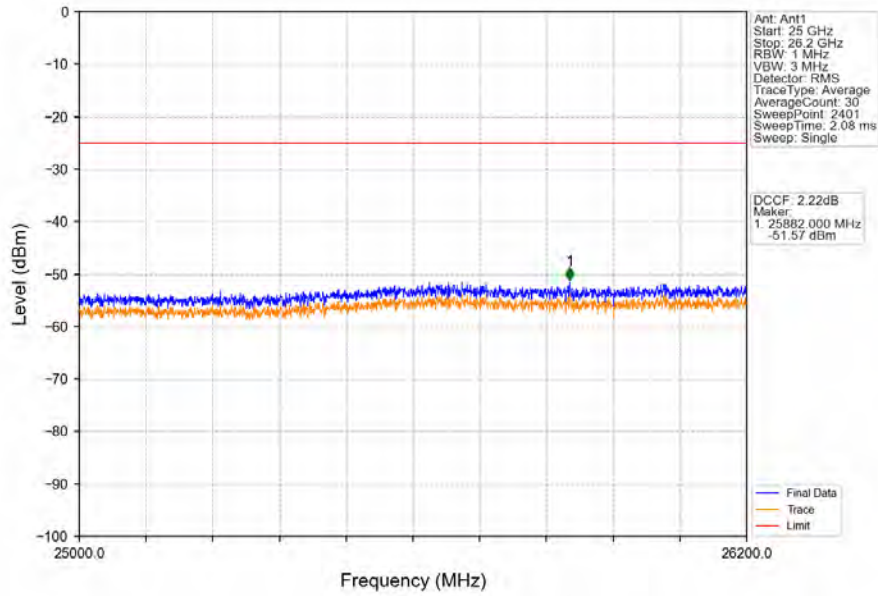
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



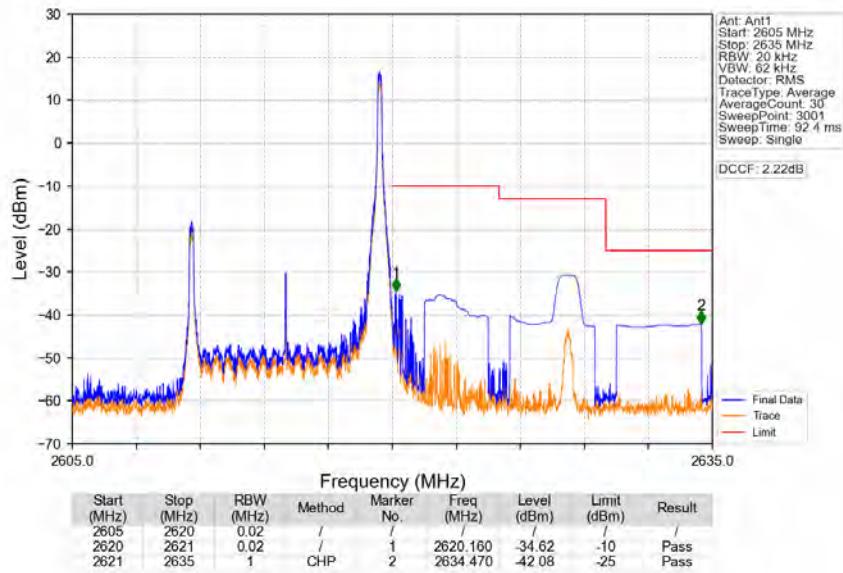
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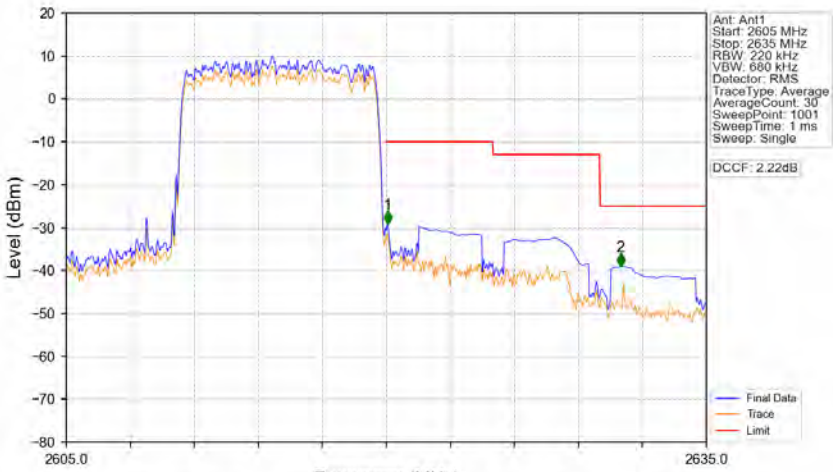
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTN



Band38 10MHz QPSK HCH 2615MHz RB 1 49 NTN

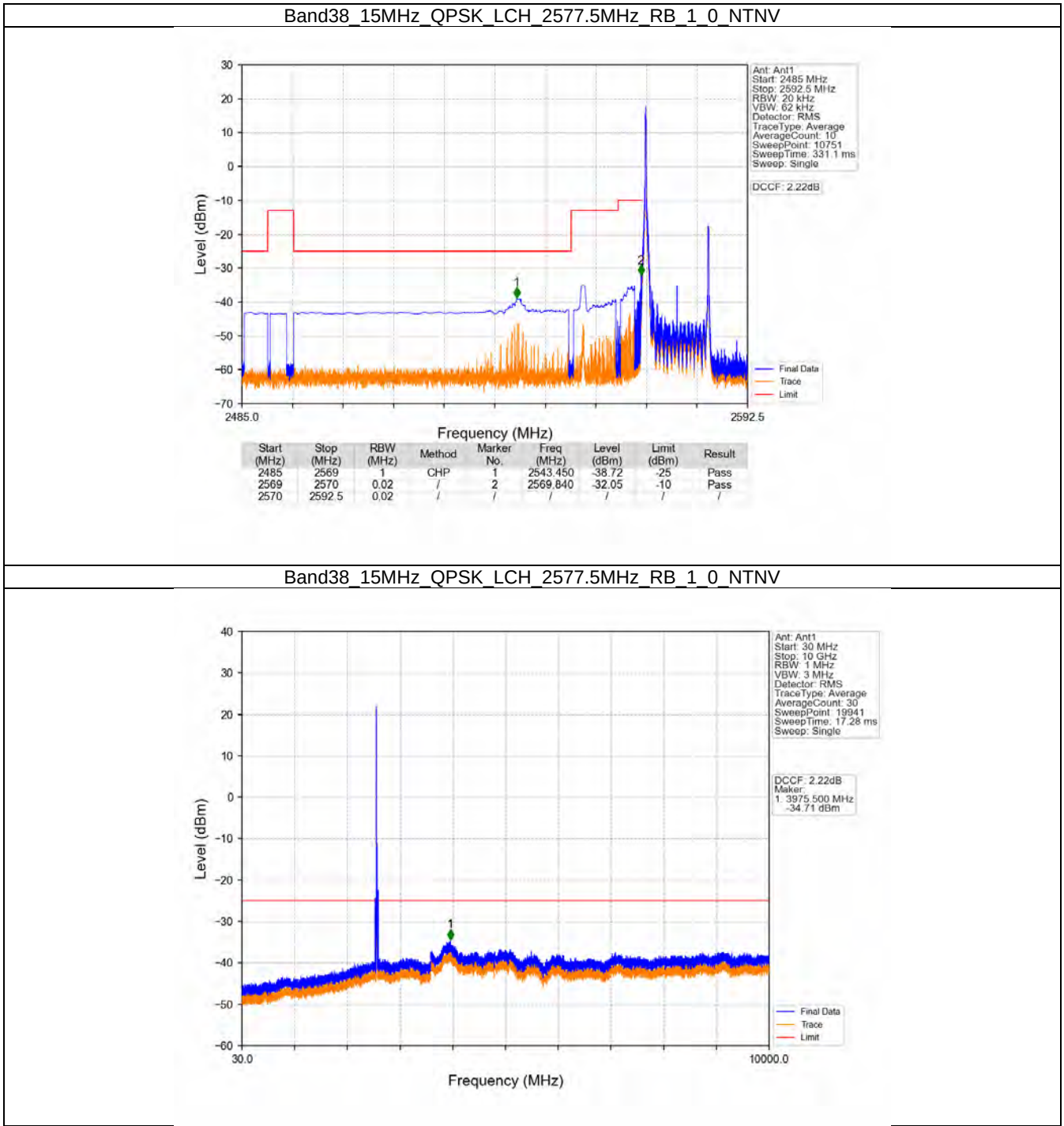


Band38 10MHz QPSK HCH 2615MHz RB 50 0 NTV

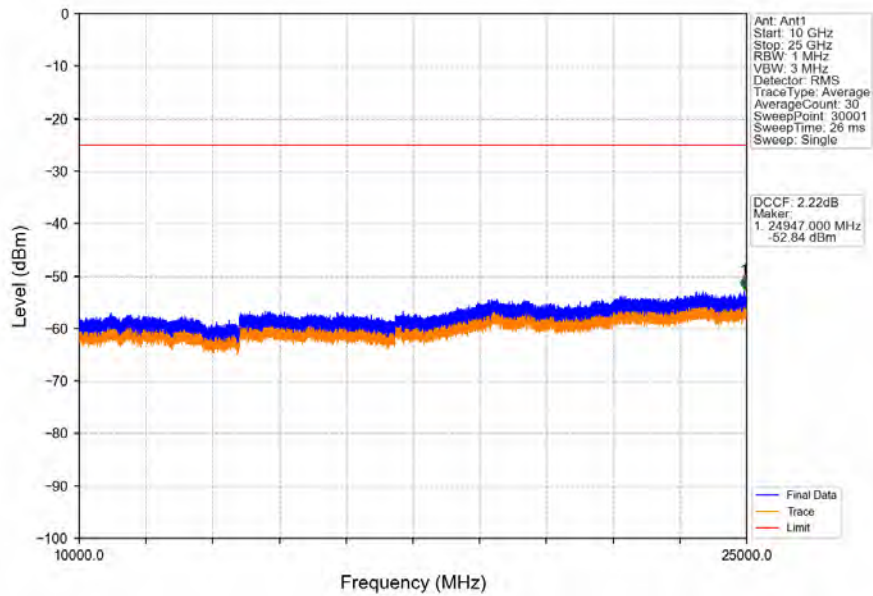


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.22	/	1	/	/	/	/
2620	2621	0.22	/	1	2620.060	-29.12	-10	Pass
2621	2635	1	CHP	2	2630.980	-38.99	-25	Pass

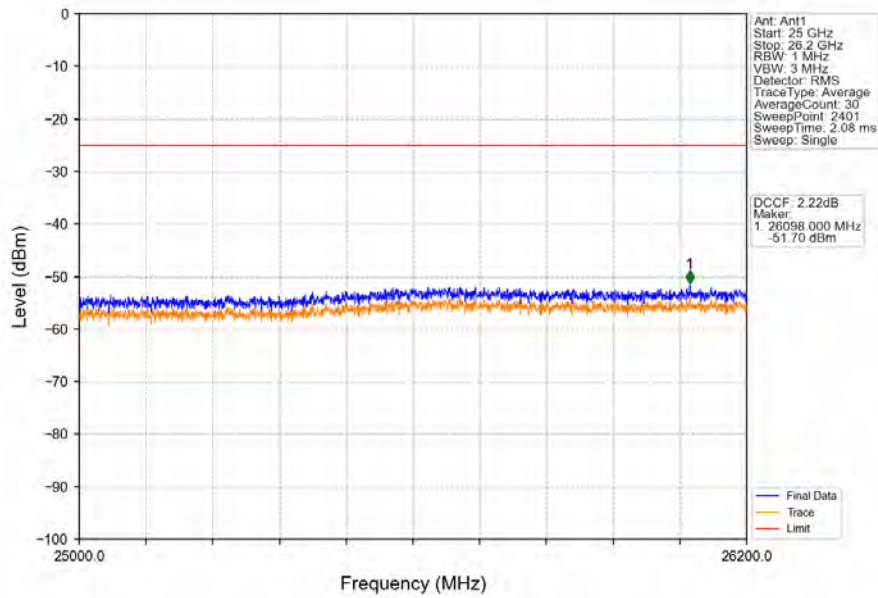
6.2.3 B38_15MHz



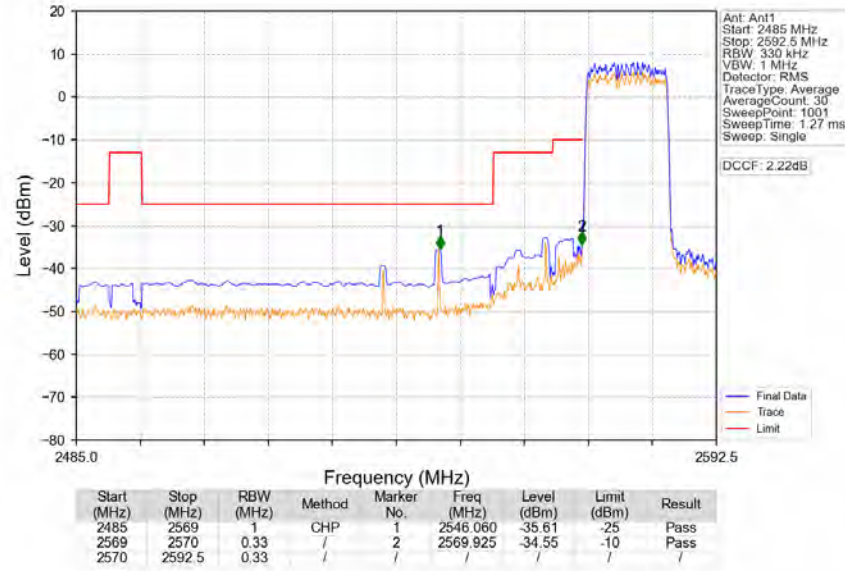
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



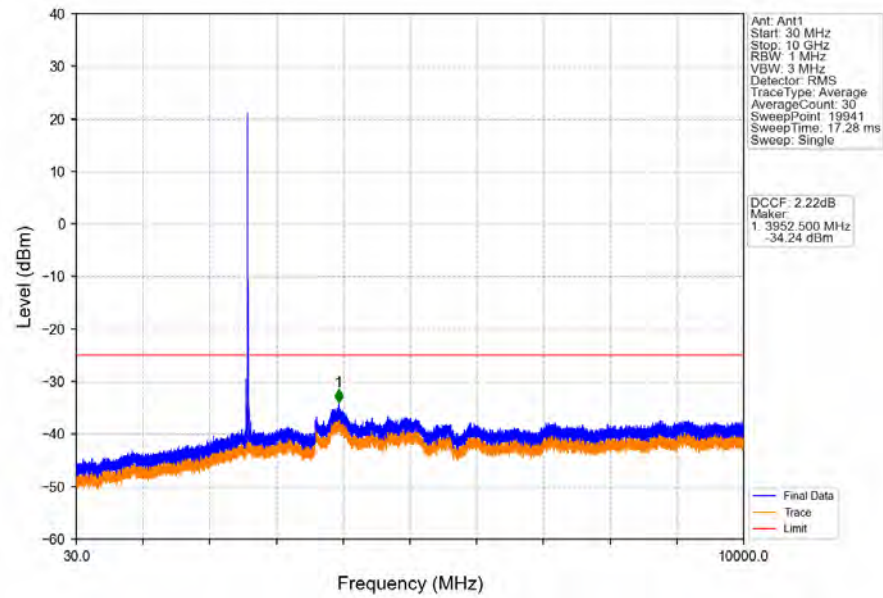
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_1_0_NTNV



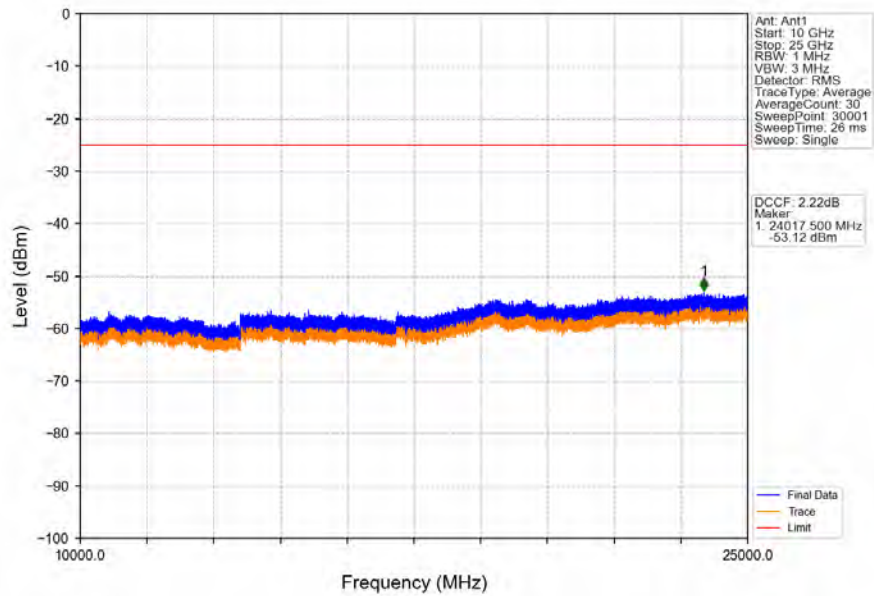
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTN



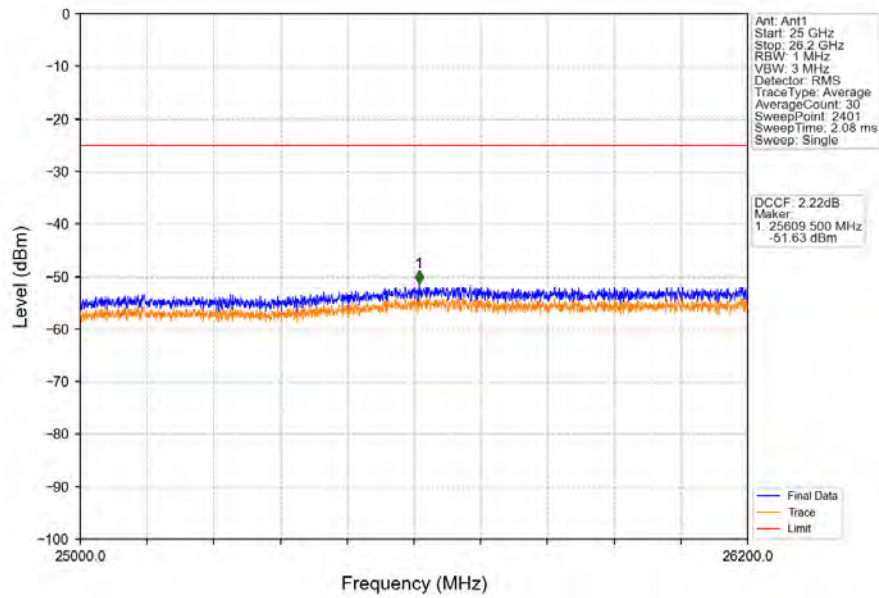
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTN



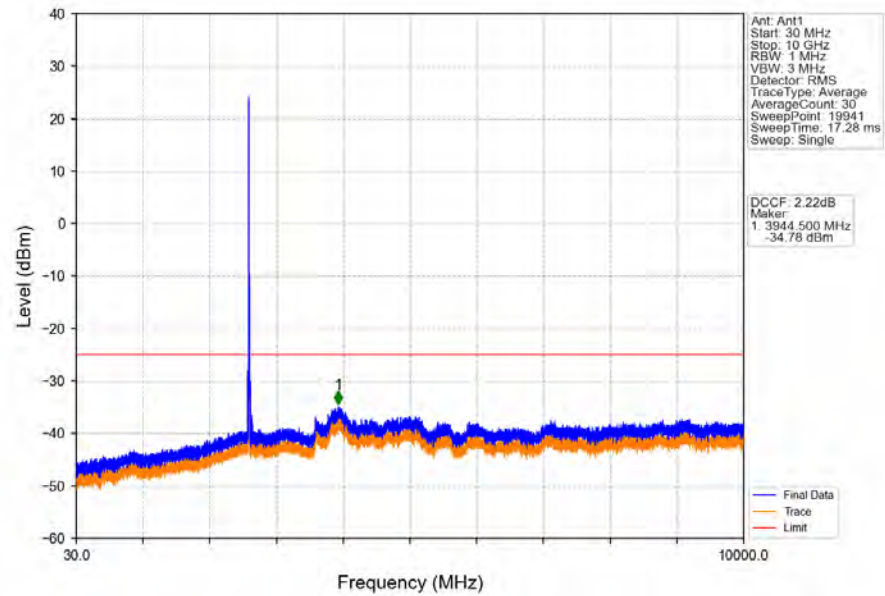
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



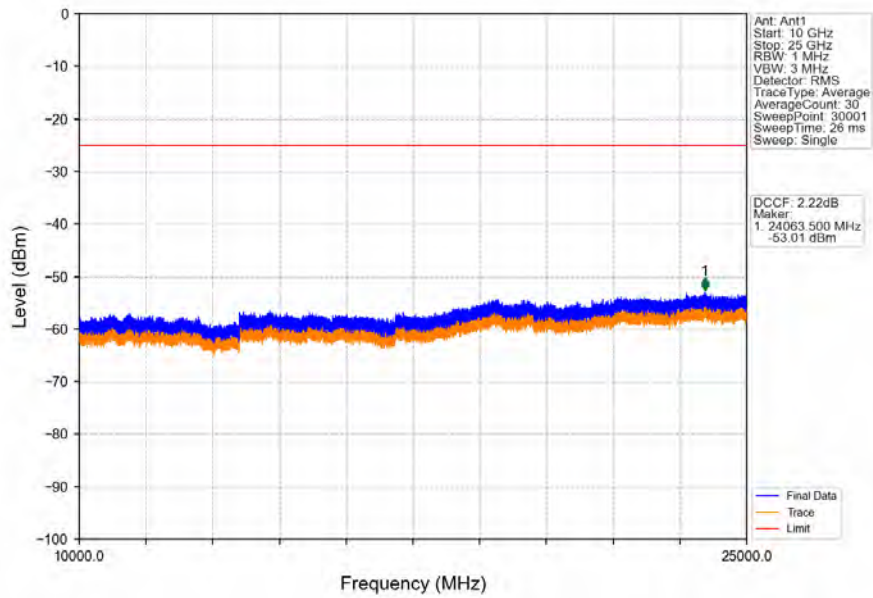
Band38_15MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



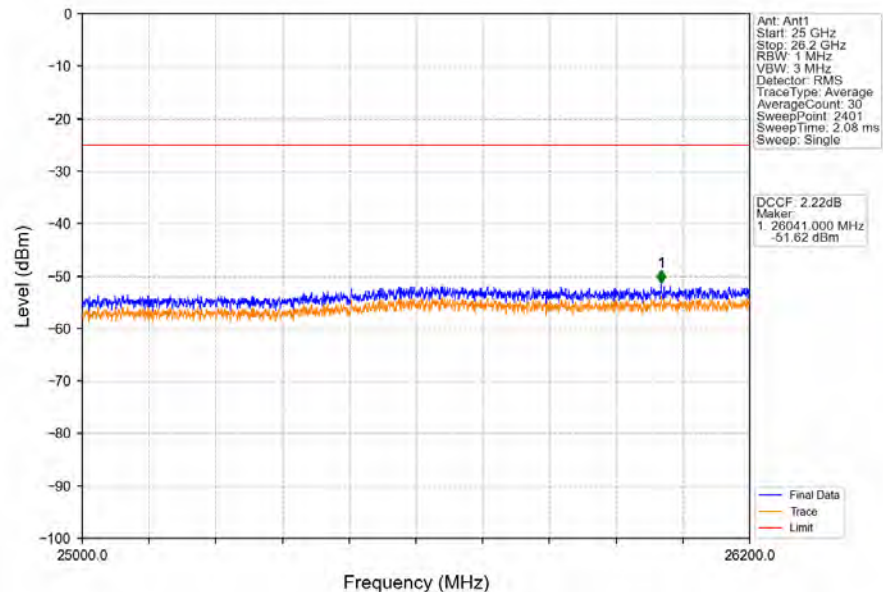
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



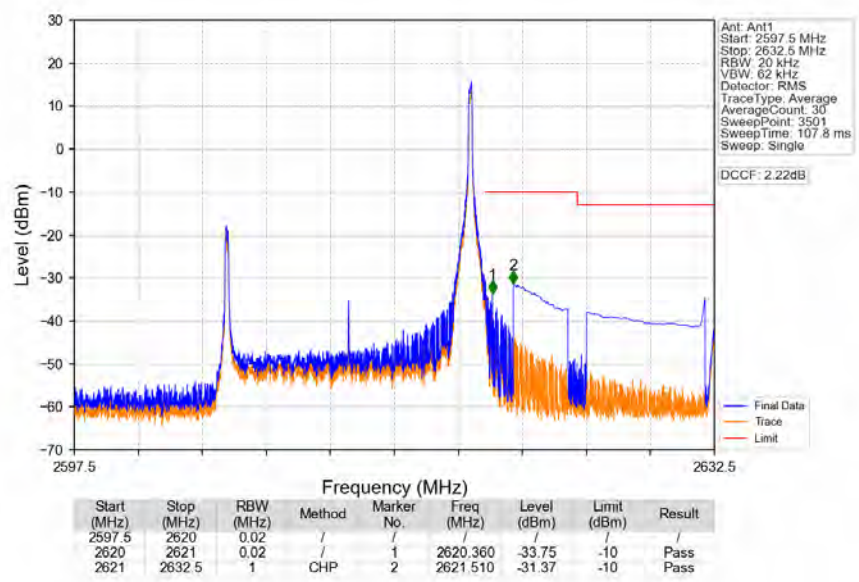
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_1_0_NTNV



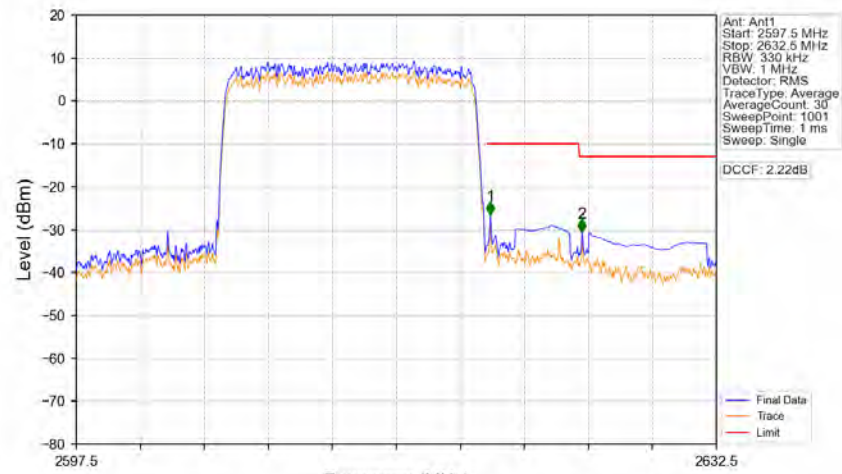
Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV

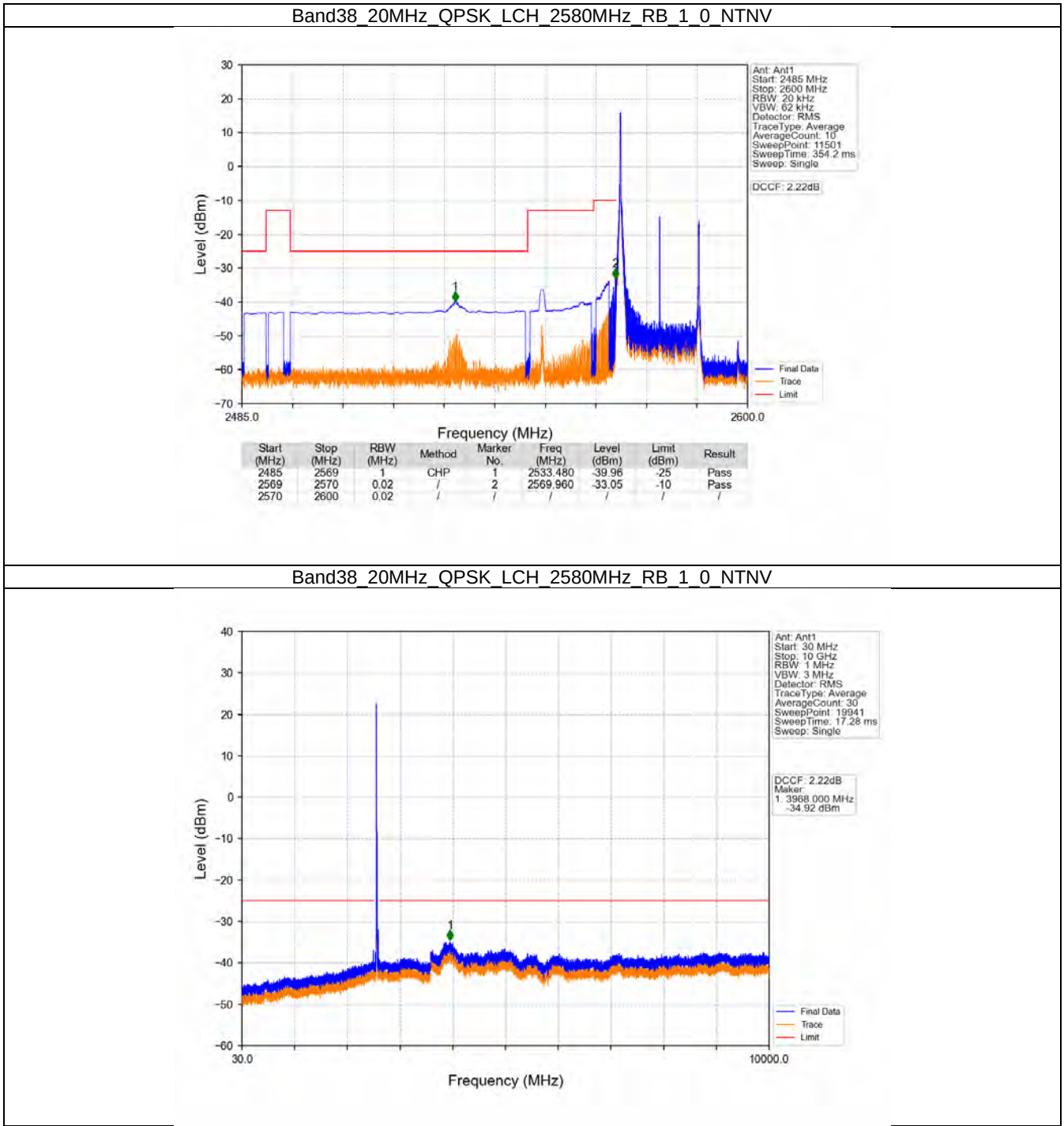


Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTN

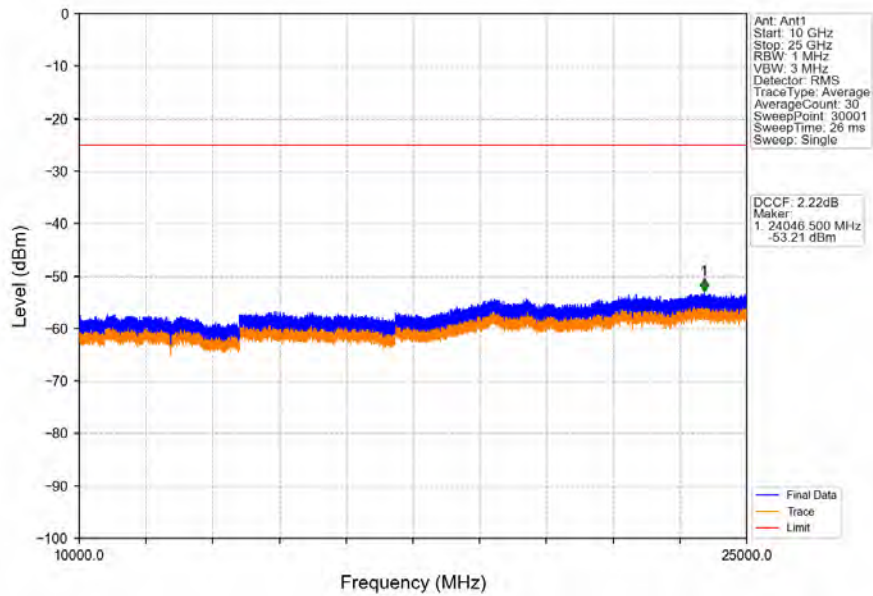


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.33	/	1	2620.145	-26.59	-10	Pass
2620	2621	0.33	/	2	2625.150	-30.60	-13	Pass
2621	2632.5	1	CHP					

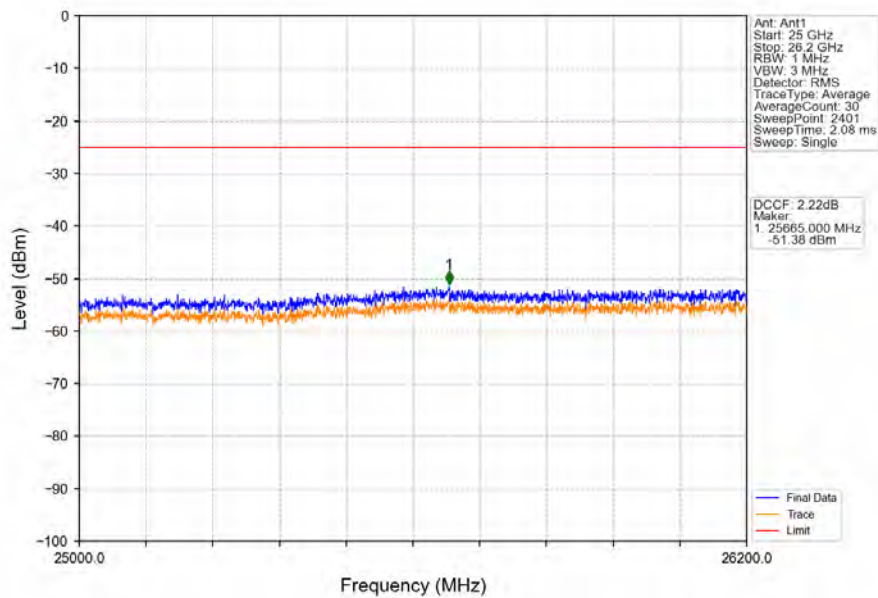
6.2.4 B38_20MHz



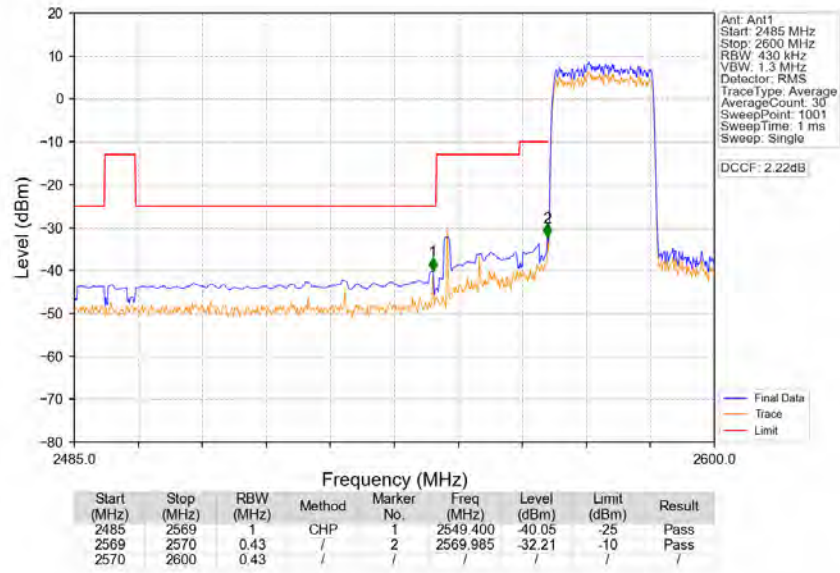
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN



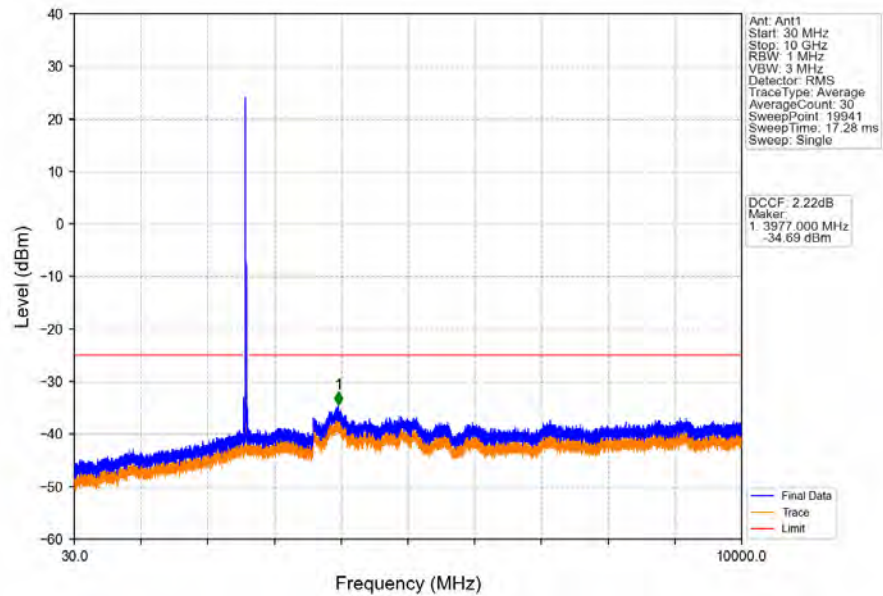
Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN



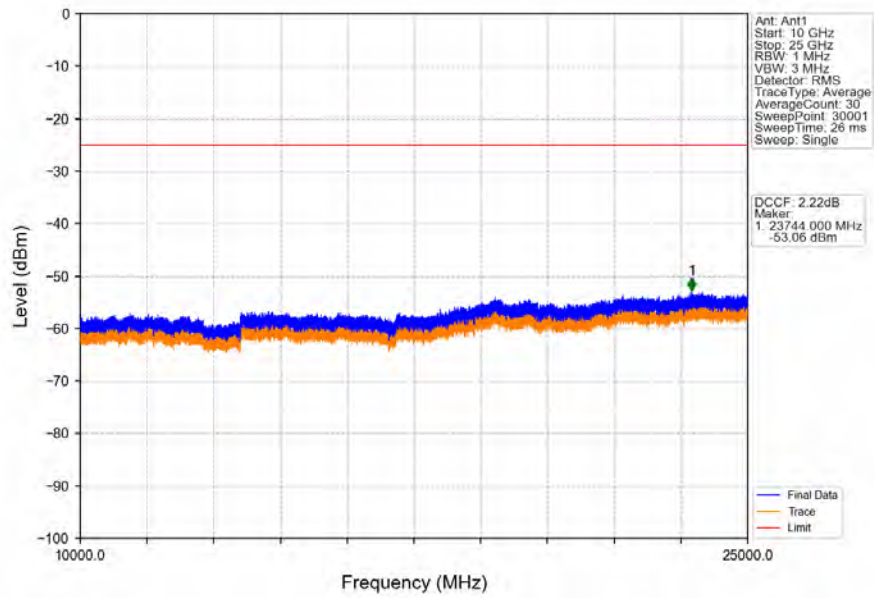
Band38 20MHz QPSK LCH 2580MHz RB 100 0 NTNV



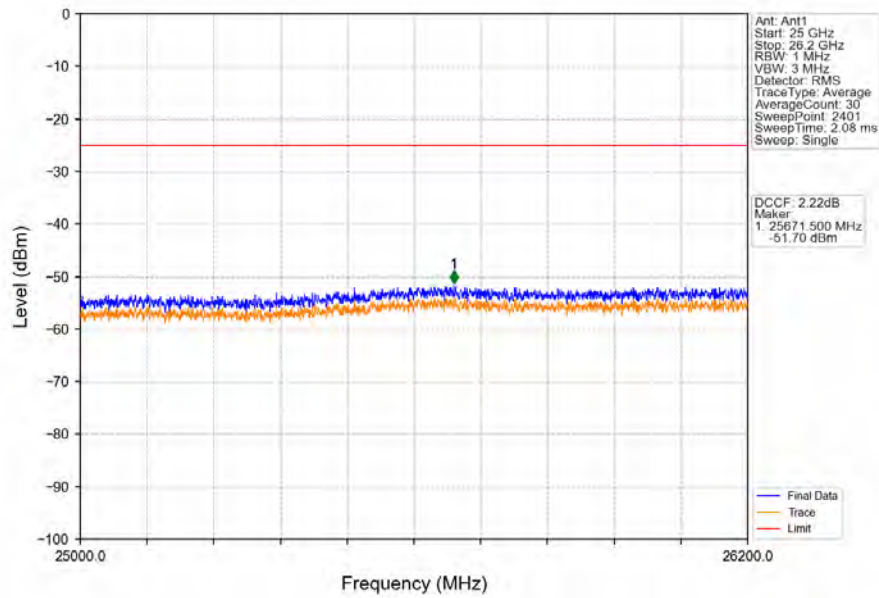
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTNV



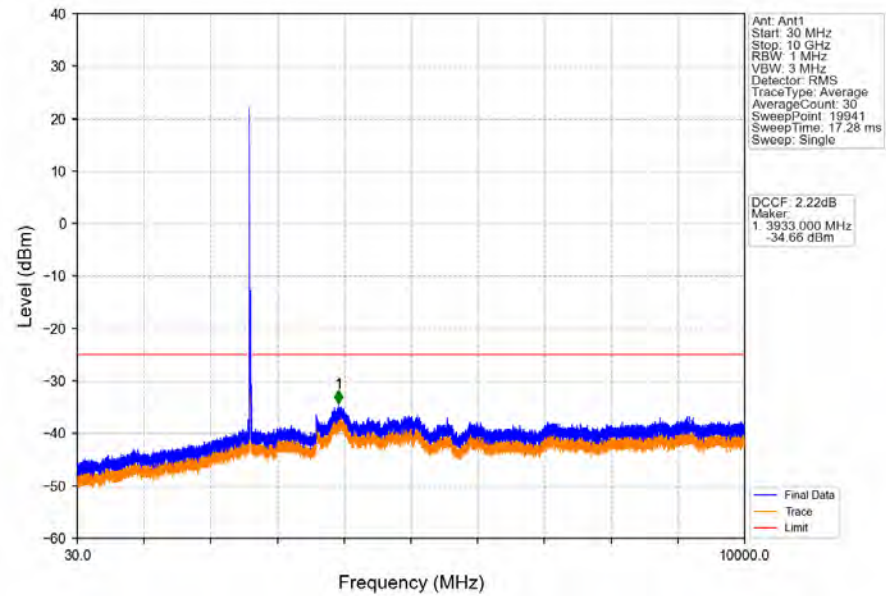
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



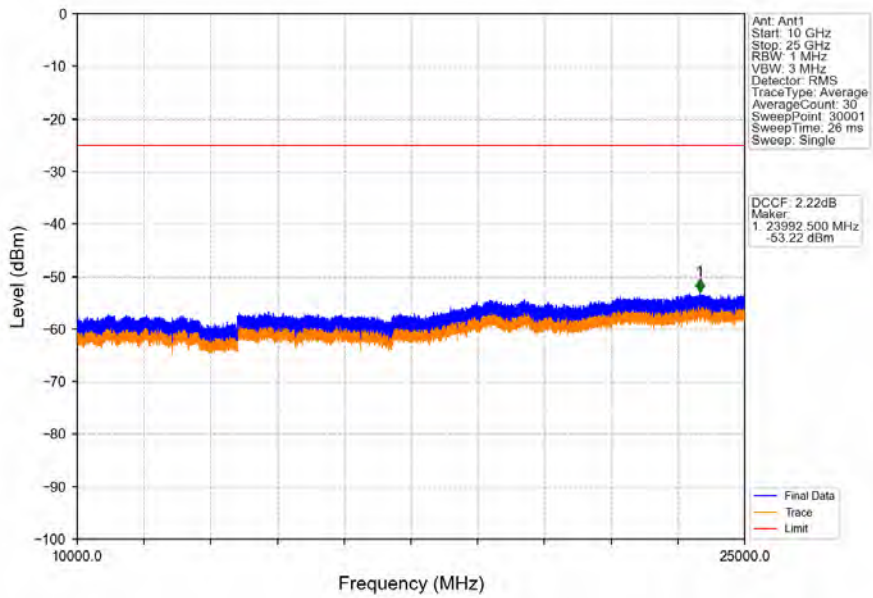
Band38 20MHz QPSK MCH 2595MHz RB 1 0 NTV



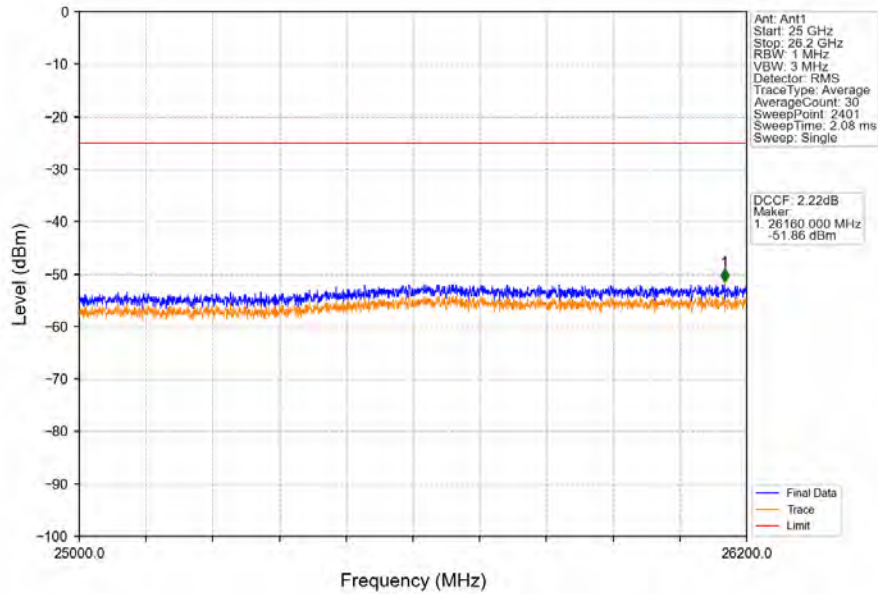
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTN



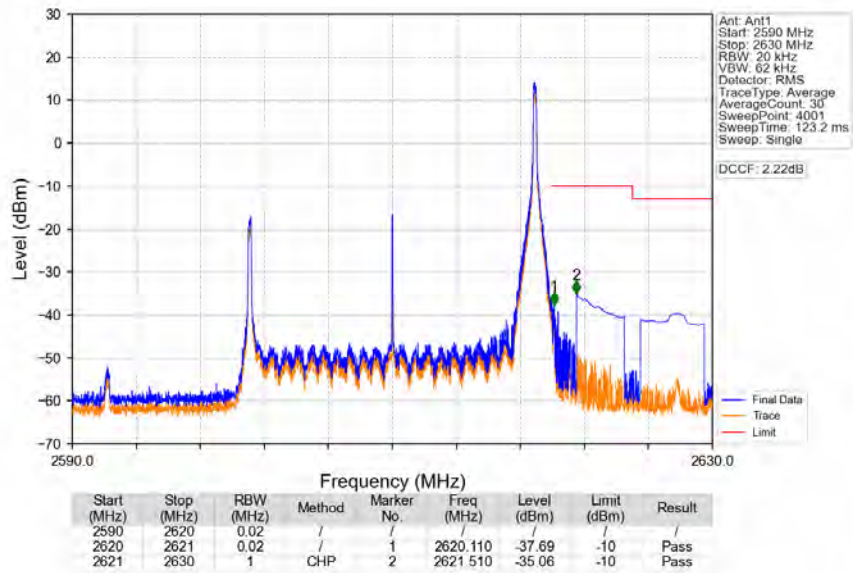
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTN



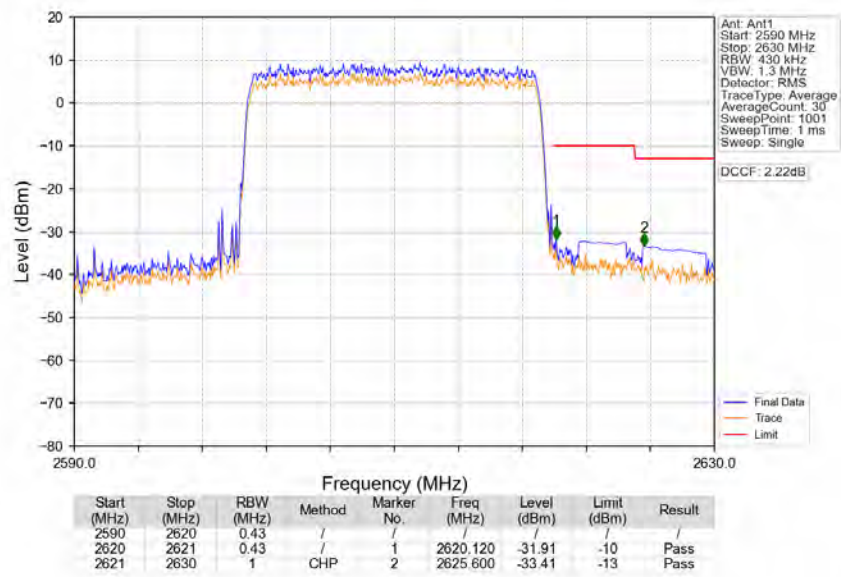
Band38 20MHz QPSK HCH 2610MHz RB 1 0 NTN



Band38 20MHz QPSK HCH 2610MHz RB 1 99 NTN



Band38 20MHz QPSK HCH 2610MHz RB 100 0 NTV



---End of Attachment---