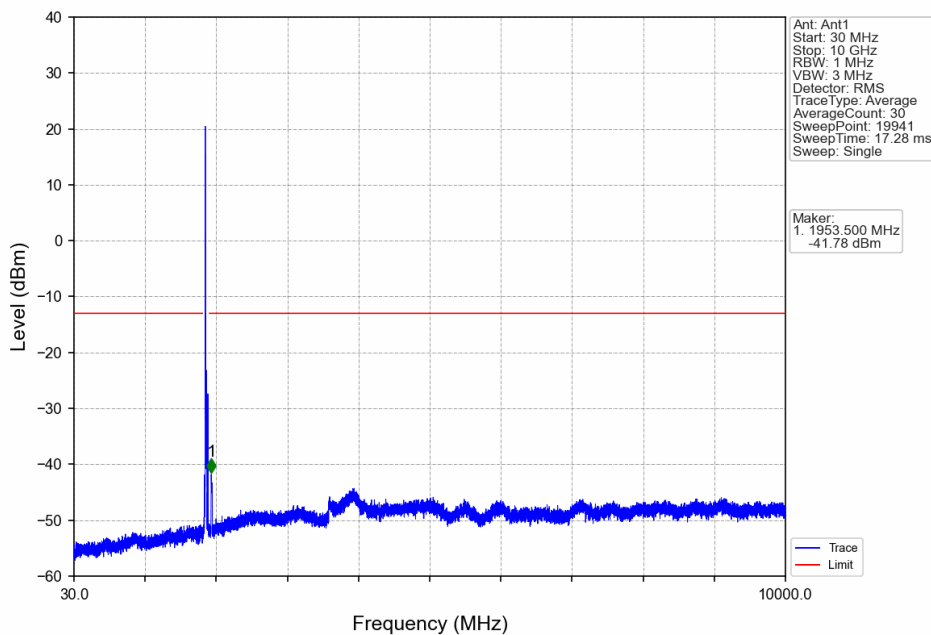
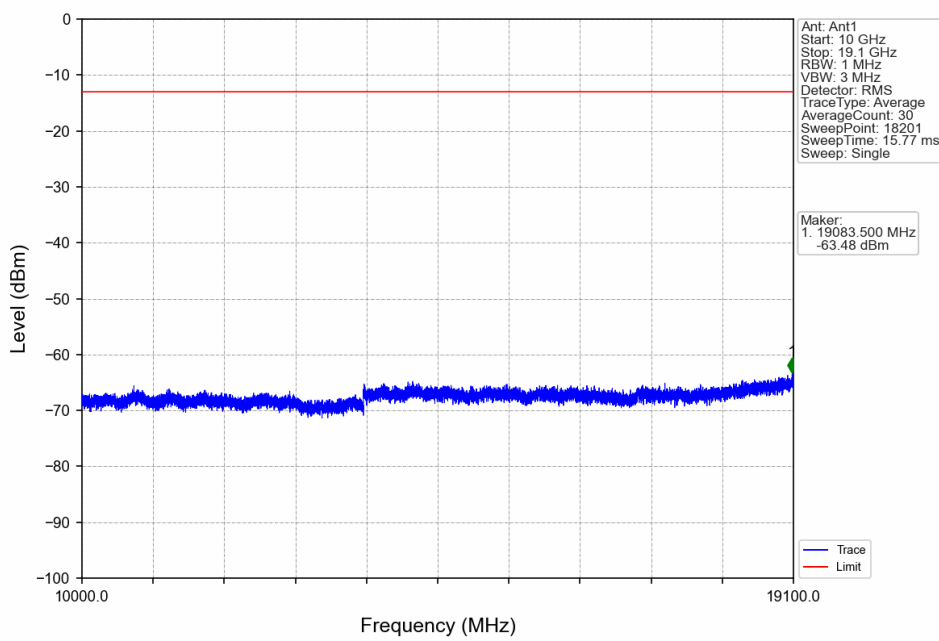


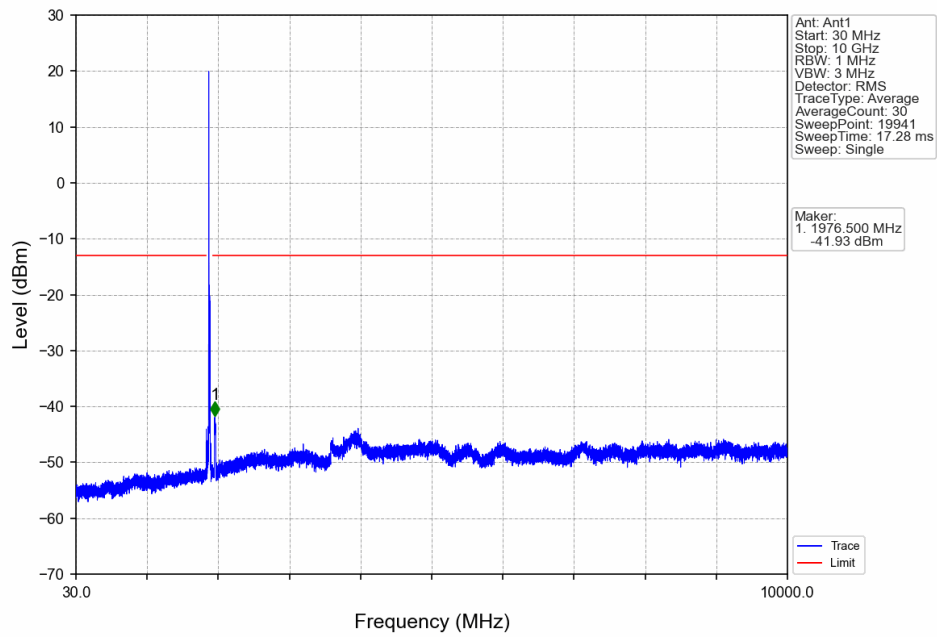
Band2 20MHz QPSK MCH 1880MHz RB 1 0 NTN



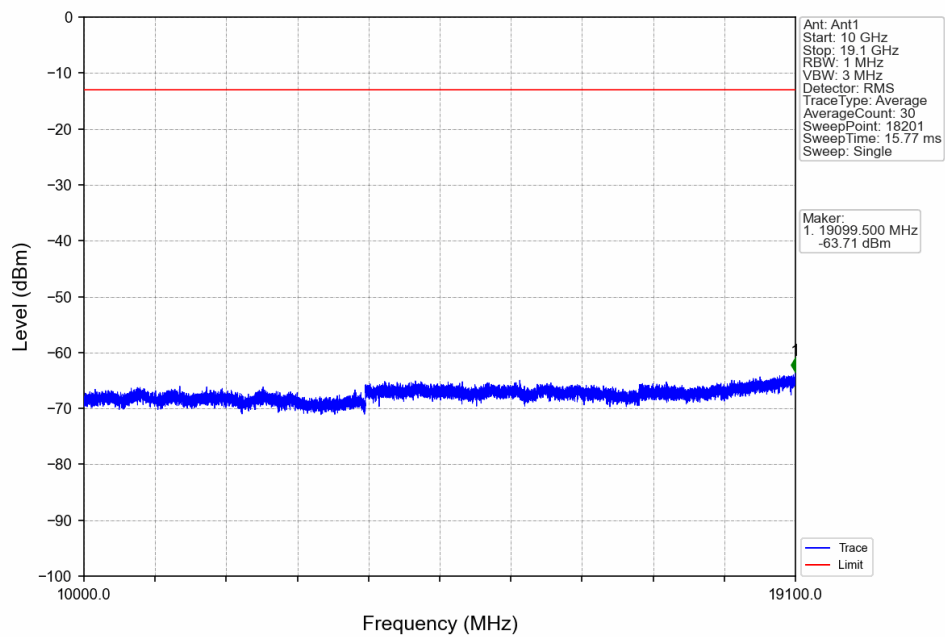
Band2 20MHz QPSK MCH 1880MHz RB 1 0 NTN



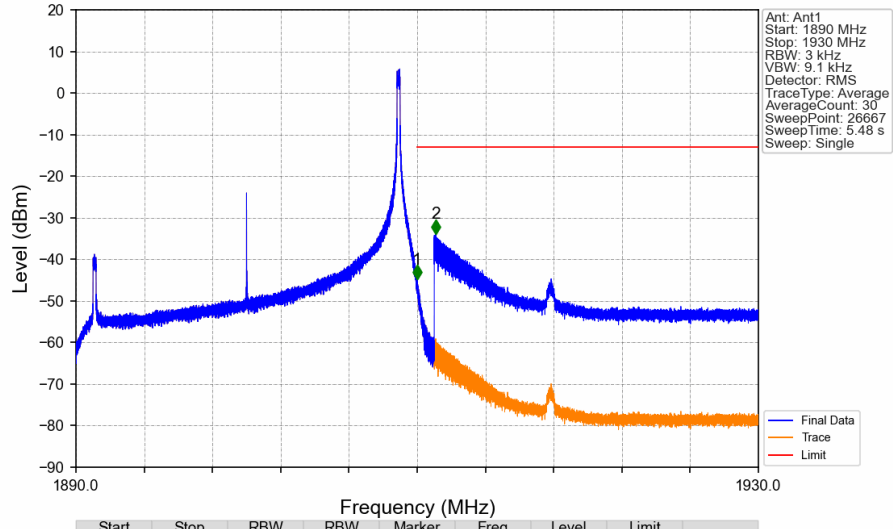
Band2 20MHz QPSK HCH 1900MHz RB 1 0 NTN



Band2 20MHz QPSK HCH 1900MHz RB 1 0 NTN

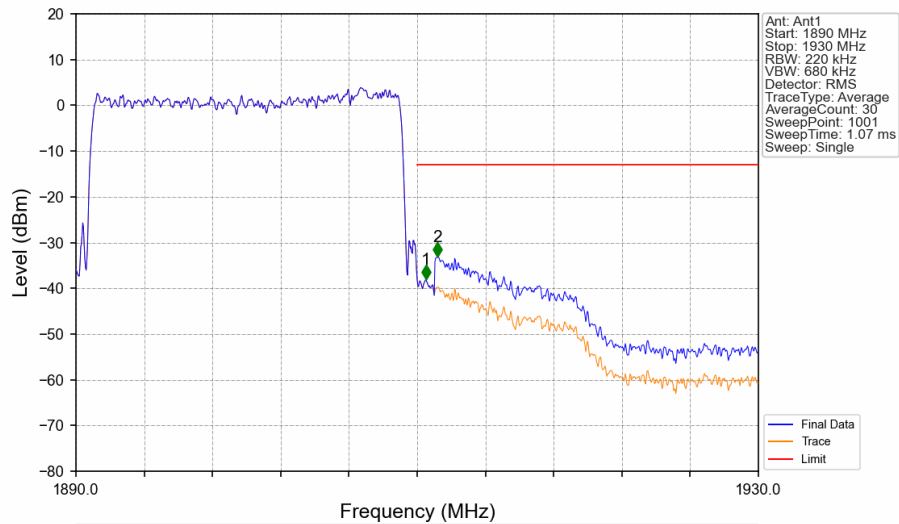


Band2 20MHz QPSK HCH 1900MHz RB 1 99 NTNV



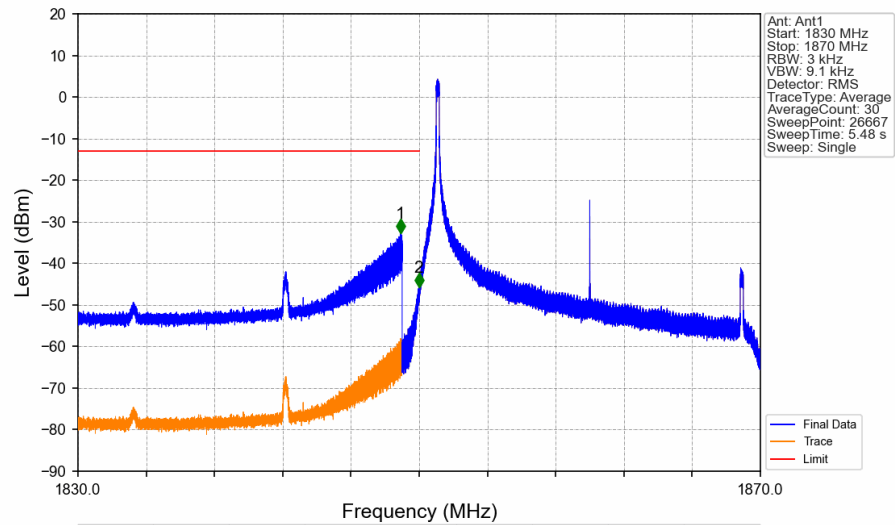
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.003	0	/	/	/	/	/
1910	1911	0.003	0	1	1910.000	-44.81	-13	Pass
1911	1930	1	25.23	2	1911.089	-33.85	-13	Pass

Band2 20MHz QPSK HCH 1900MHz RB 100 0 NTNV

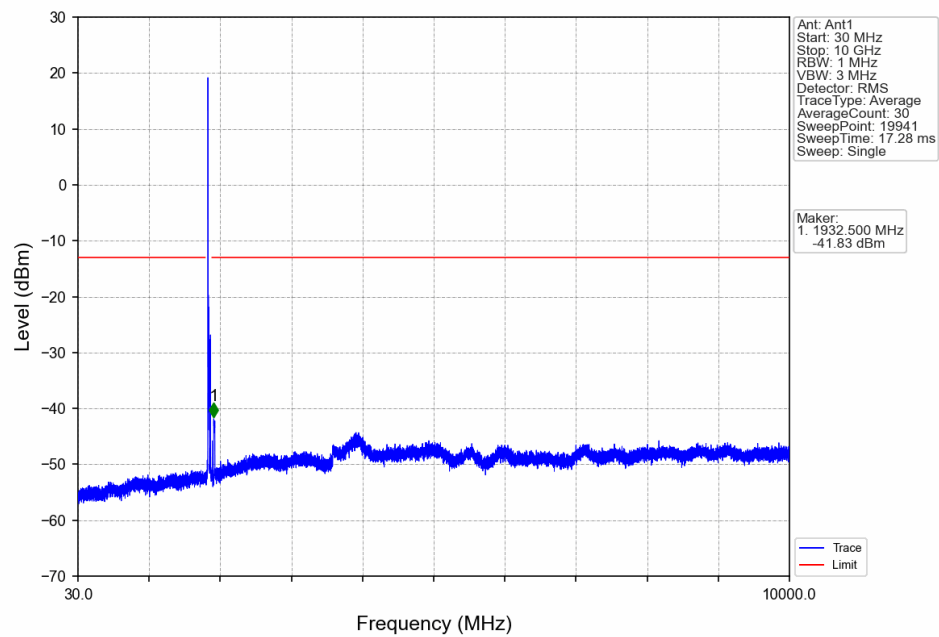


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.22	0	/	/	/	/	/
1910	1911	0.22	0	1	1910.520	-38.10	-13	Pass
1911	1930	1	6.58	2	1911.200	-33.14	-13	Pass

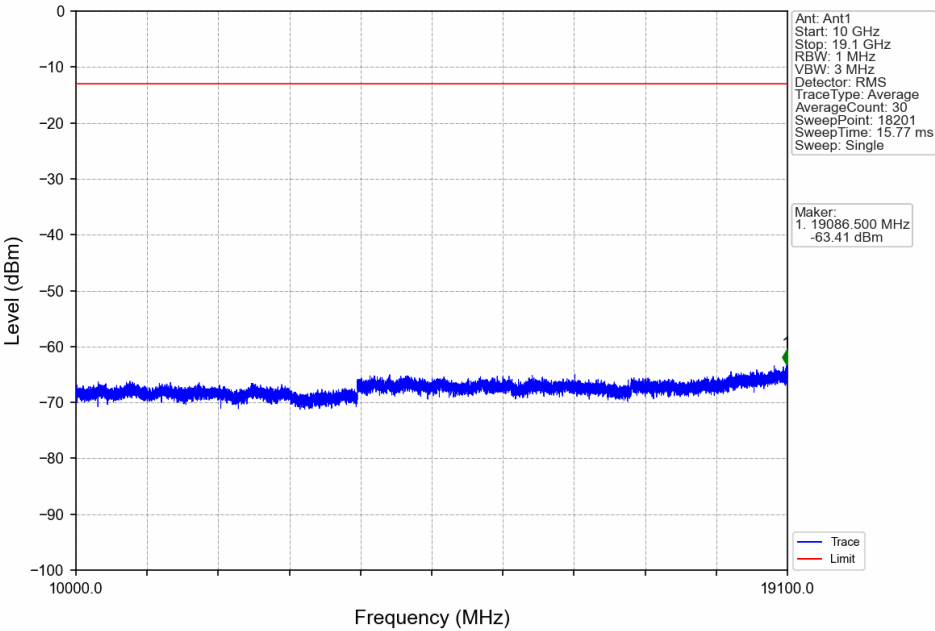
Band2 20MHz 16QAM LCH 1860MHz RB 1 0 NTNV



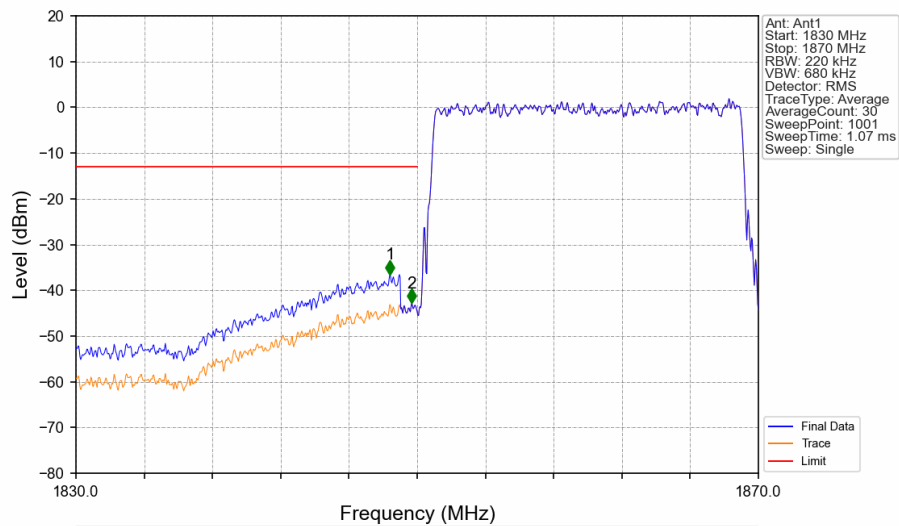
Band2 20MHz 16QAM LCH 1860MHz RB 1 0 NTNV



Band2 20MHz 16QAM LCH 1860MHz RB 1 0 NTNV

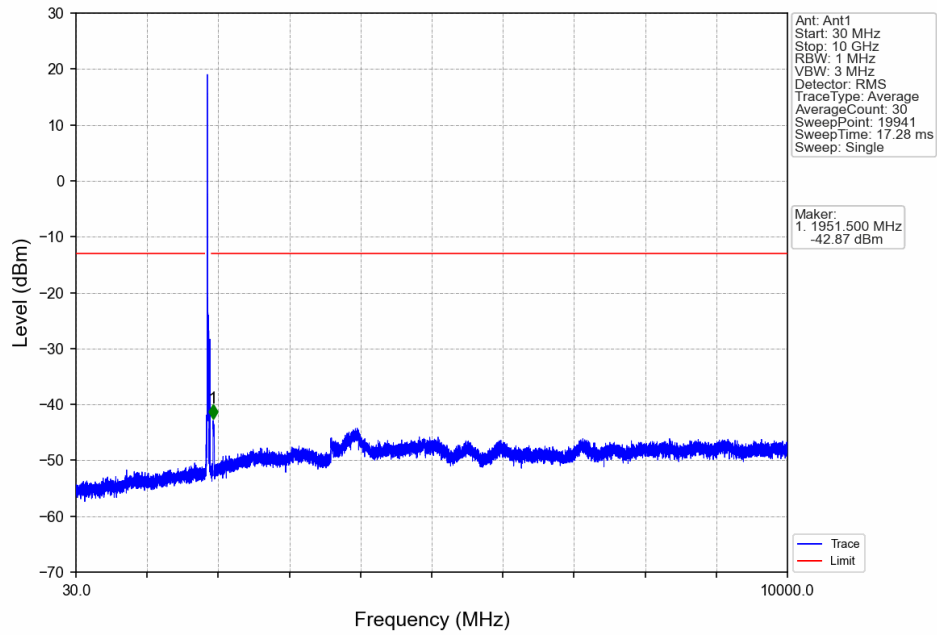


Band2 20MHz 16QAM LCH 1860MHz RB 100 0 NTNV

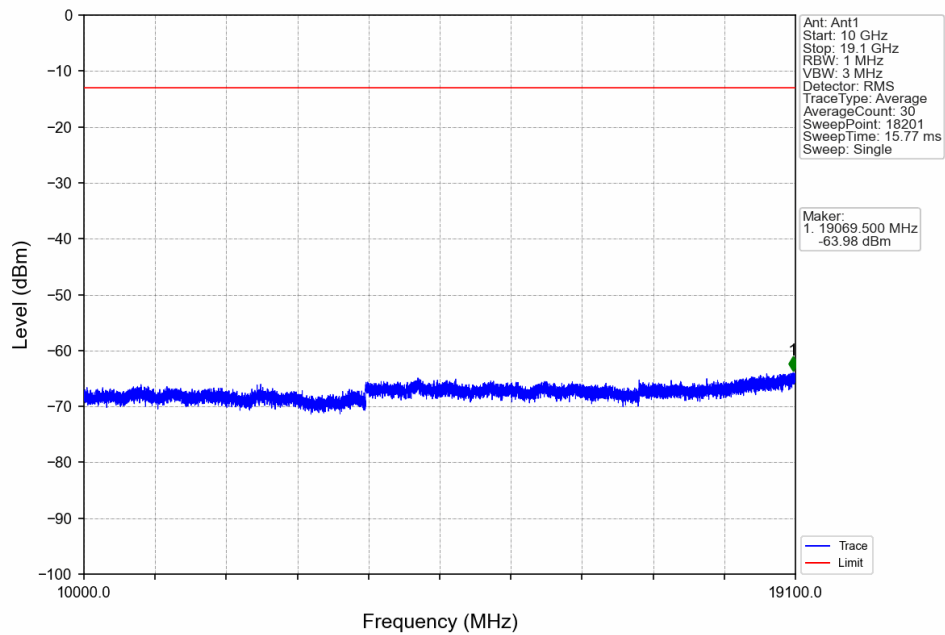


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1830	1849	1	6.58	1	1848.400	-36.53	-13	Pass
1849	1850	0.22	0	2	1849.680	-42.79	-13	Pass
1850	1870	0.22	0	/	/	/	/	/

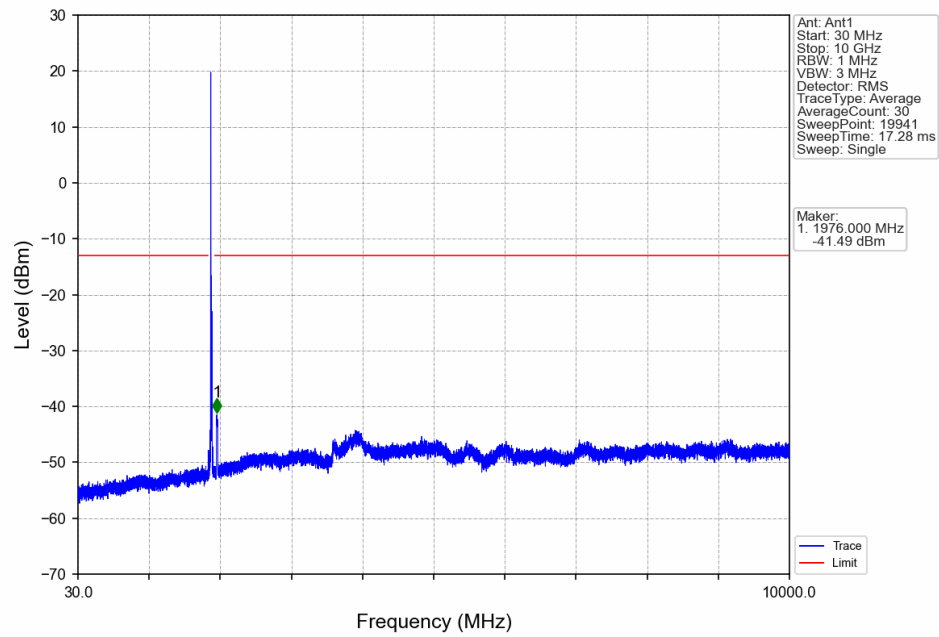
Band2 20MHz 16QAM MCH 1880MHz RB 1 0 NTNV



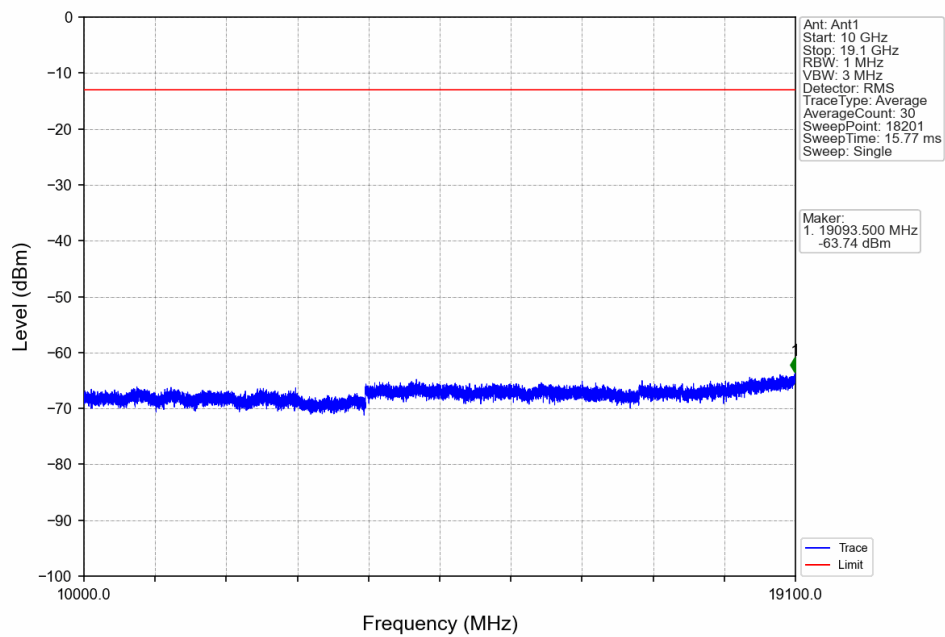
Band2 20MHz 16QAM MCH 1880MHz RB 1 0 NTNV



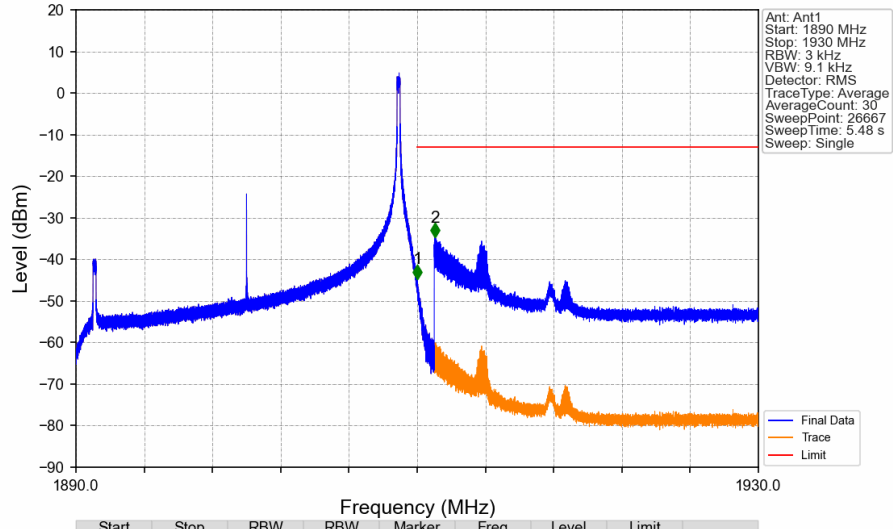
Band2 20MHz 16QAM HCH 1900MHz RB 1 0 NTNV



Band2 20MHz 16QAM HCH 1900MHz RB 1 0 NTNV

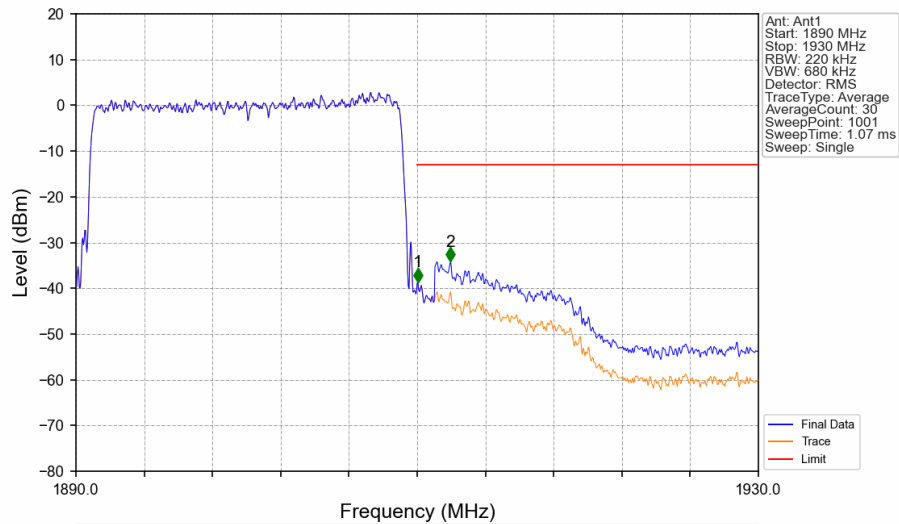


Band2 20MHz 16QAM HCH 1900MHz RB 1 99 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.003	0	/	/	/	/	/
1910	1911	0.003	0	1	1910.005	-44.71	-13	Pass
1911	1930	1	25.23	2	1911.034	-34.78	-13	Pass

Band2 20MHz 16QAM HCH 1900MHz RB 100 0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1890	1910	0.22	0	/	/	/	/	/
1910	1911	0.22	0	1	1910.040	-38.66	-13	Pass
1911	1930	1	6.58	2	1911.960	-34.21	-13	Pass

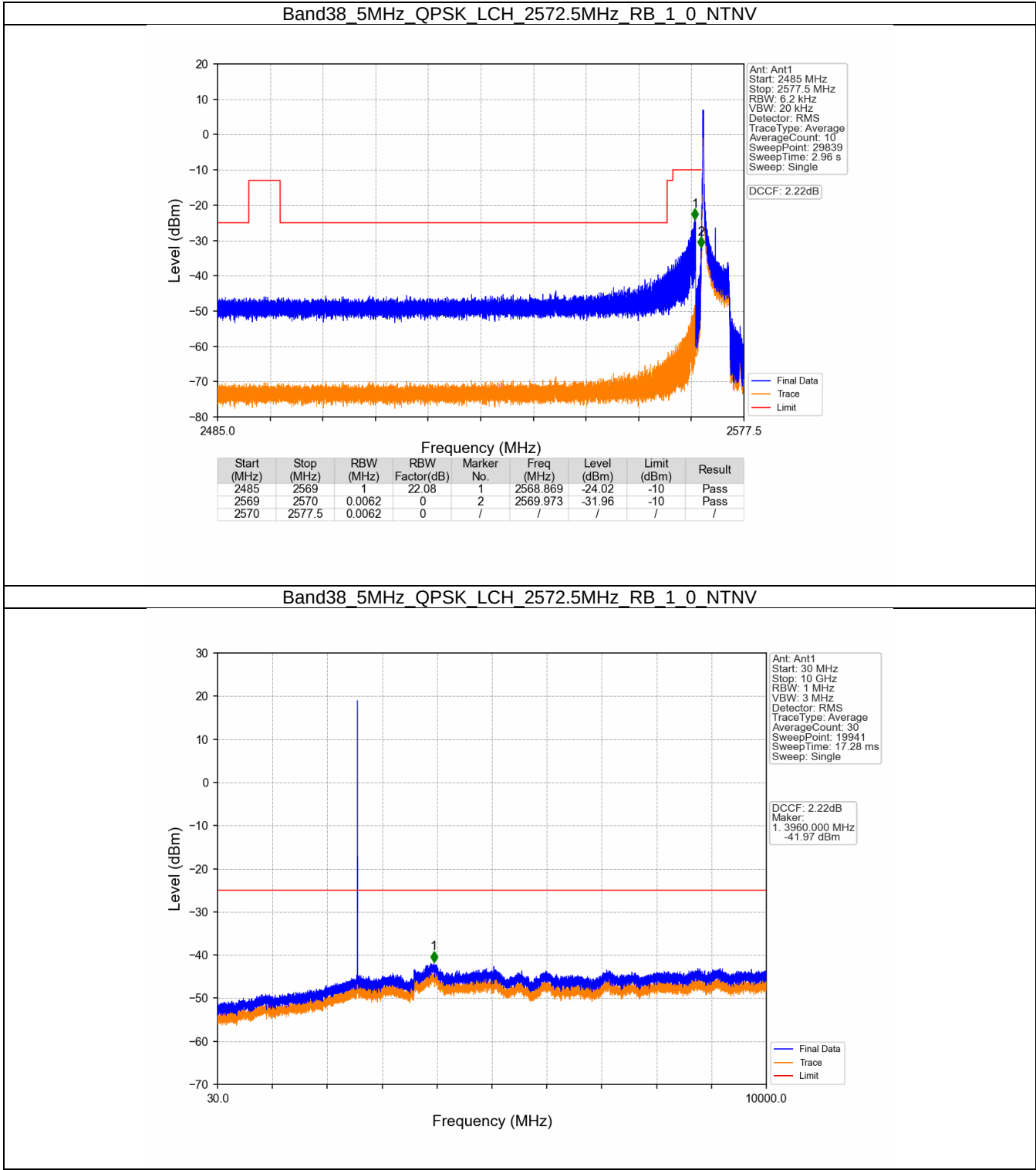
2. Spurious Emission

2.1 B38_5MHz

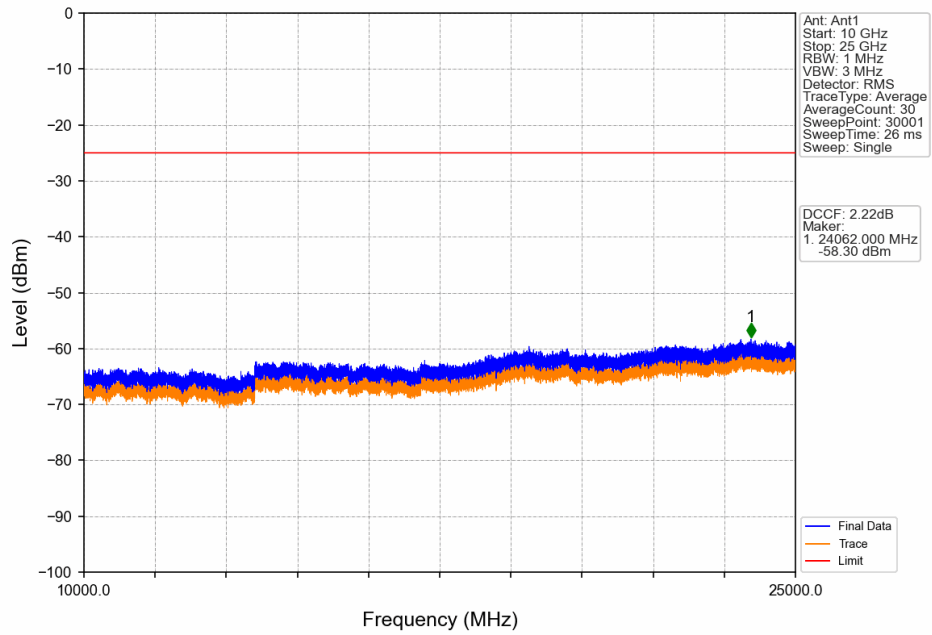
2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTV						
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
16QAM	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

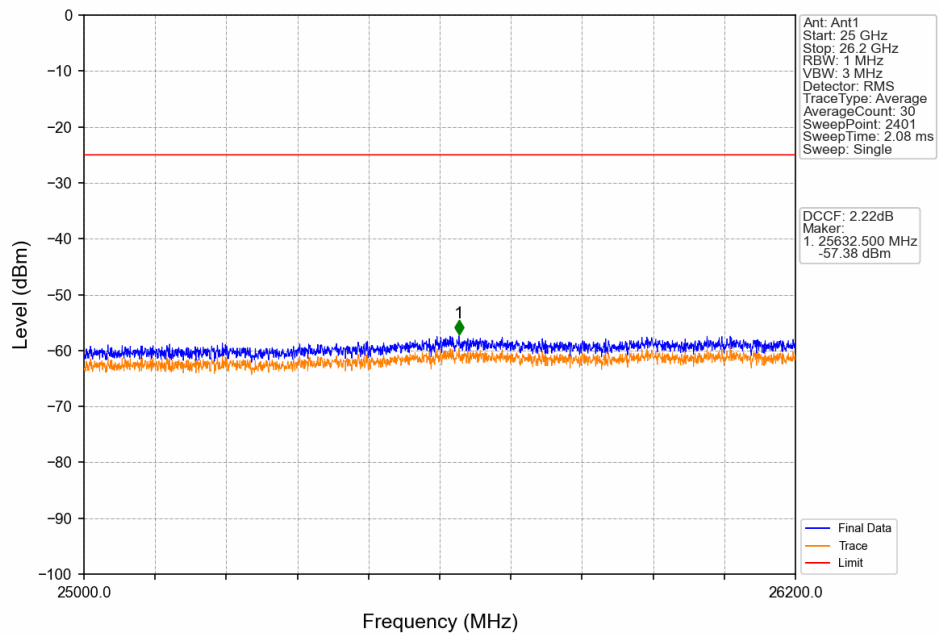
2.1.2 Test Graph



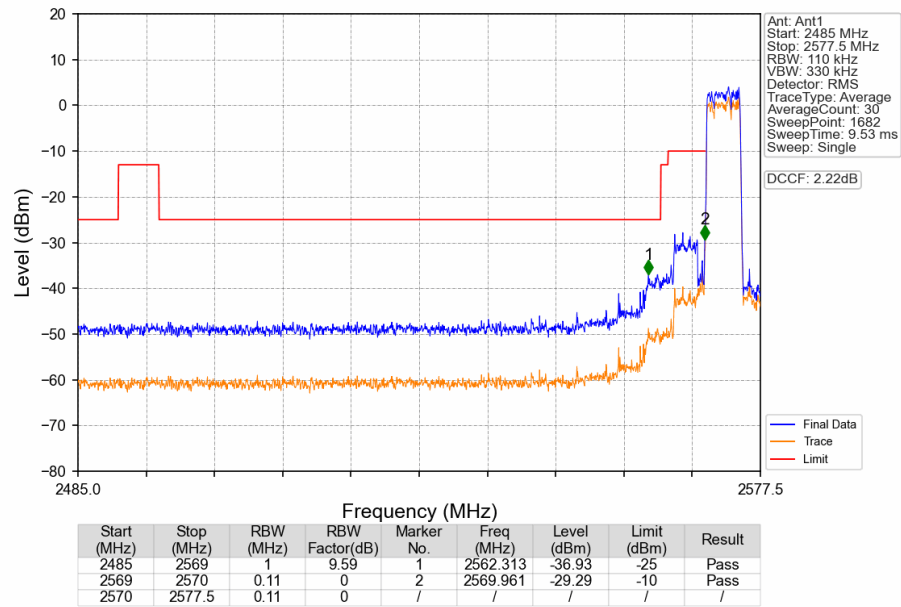
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



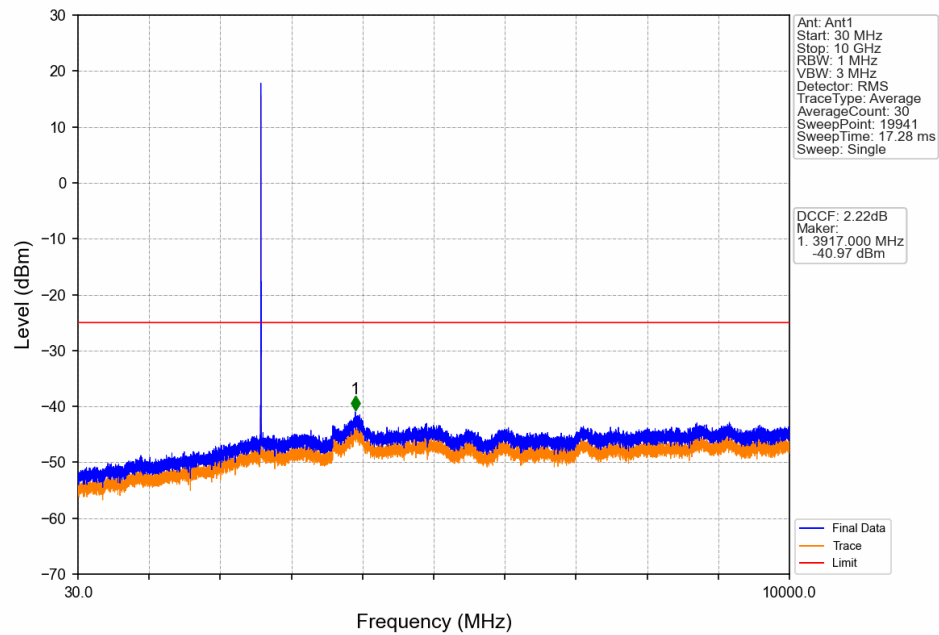
Band38 5MHz QPSK LCH 2572.5MHz RB 1 0 NTNV



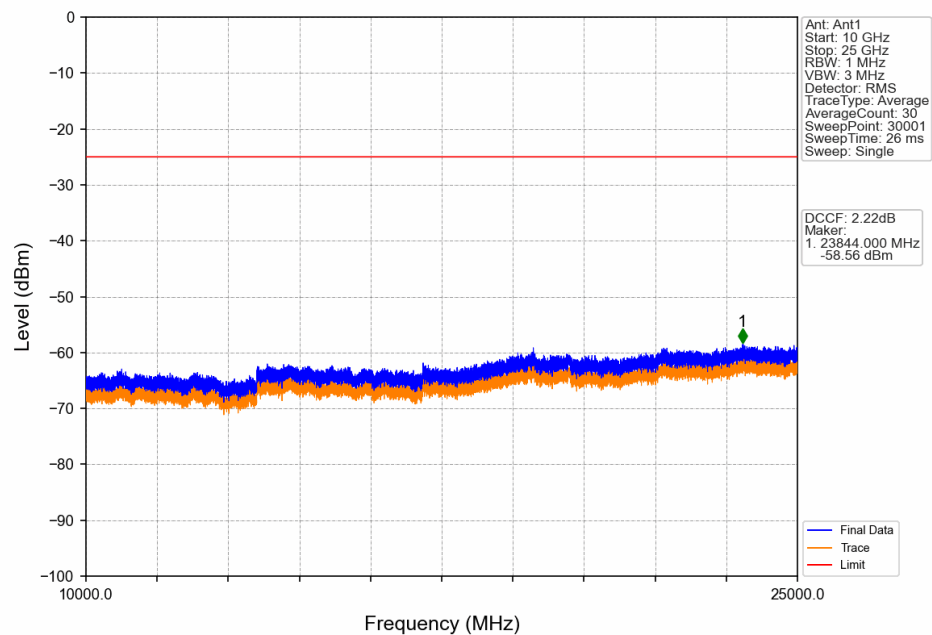
Band38 5MHz QPSK LCH 2572.5MHz RB 25 0 NTNV



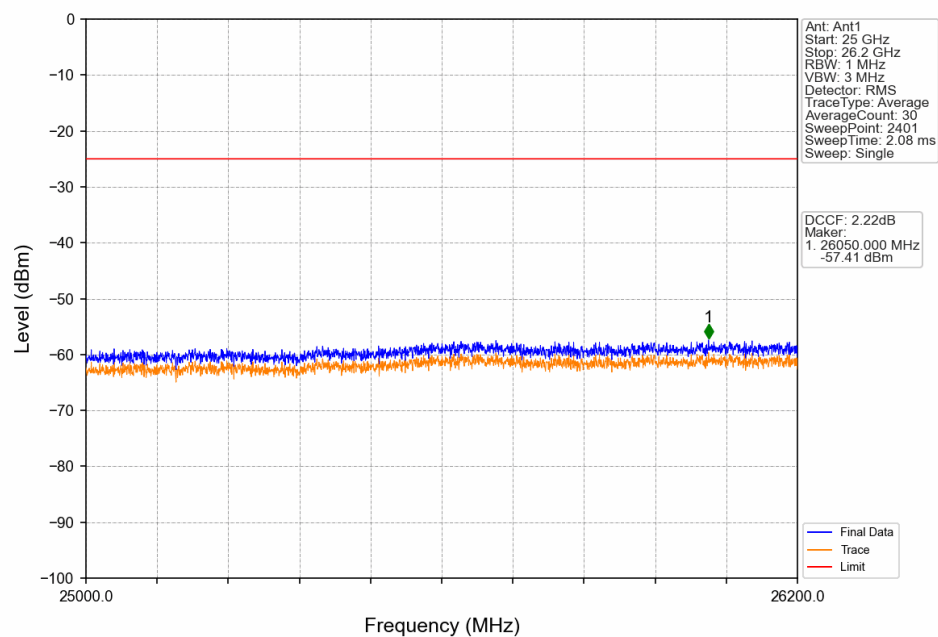
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



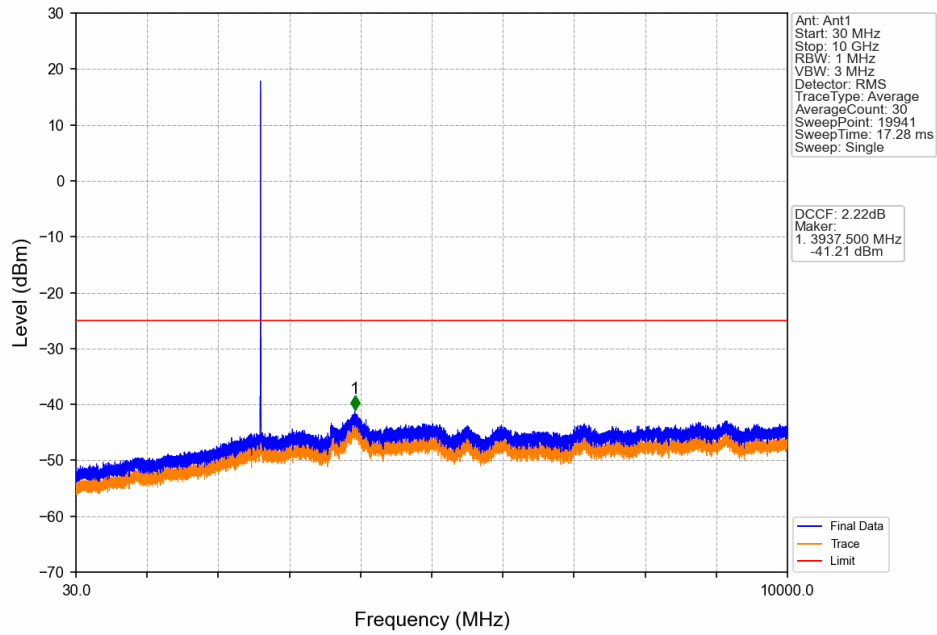
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



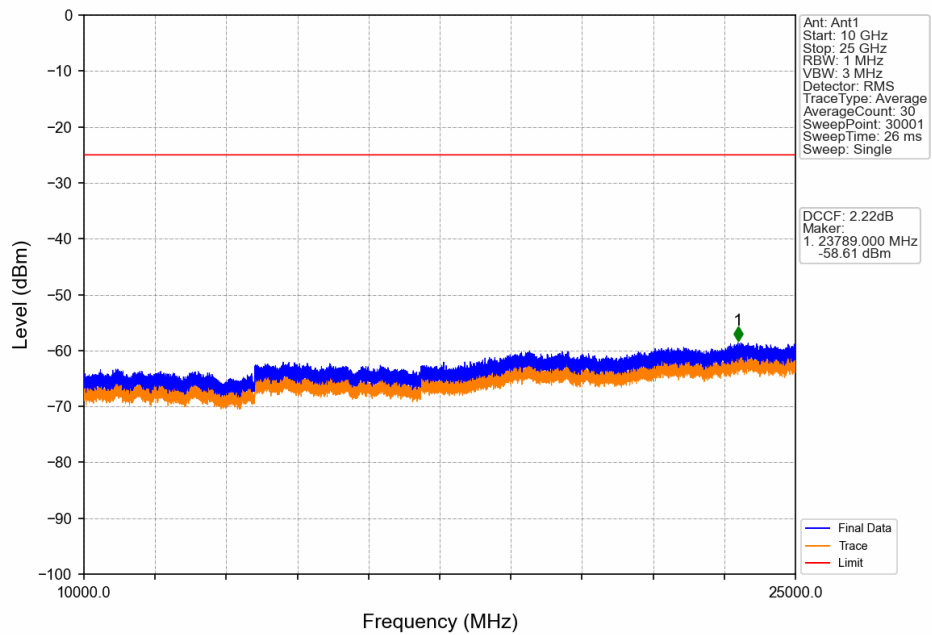
Band38 5MHz QPSK MCH 2595MHz RB 1 0 NTNV



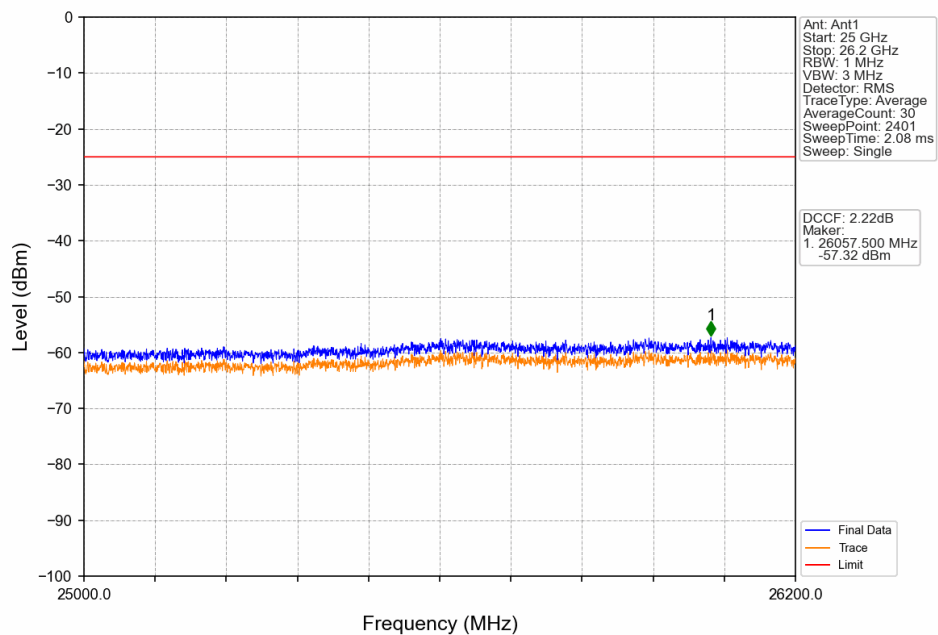
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTNV



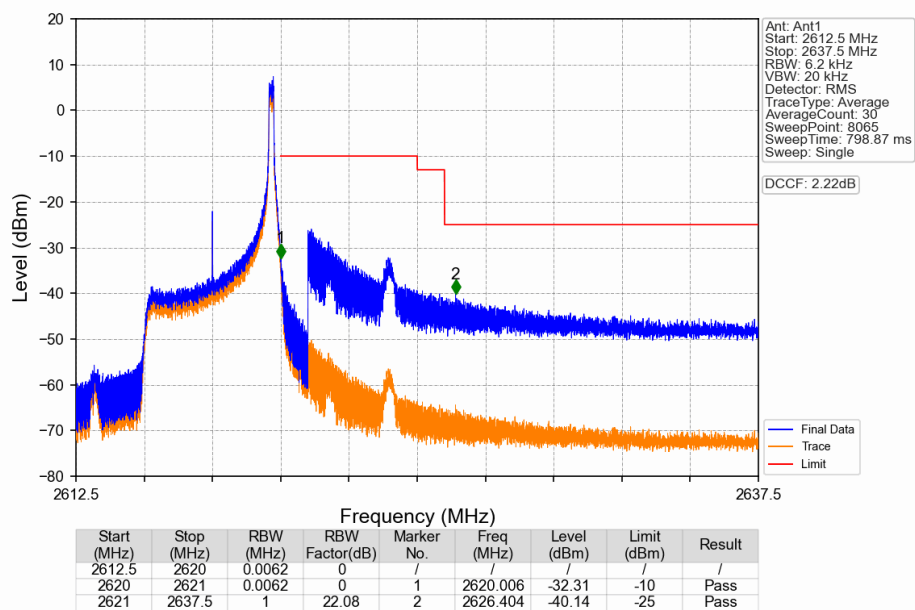
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTNV



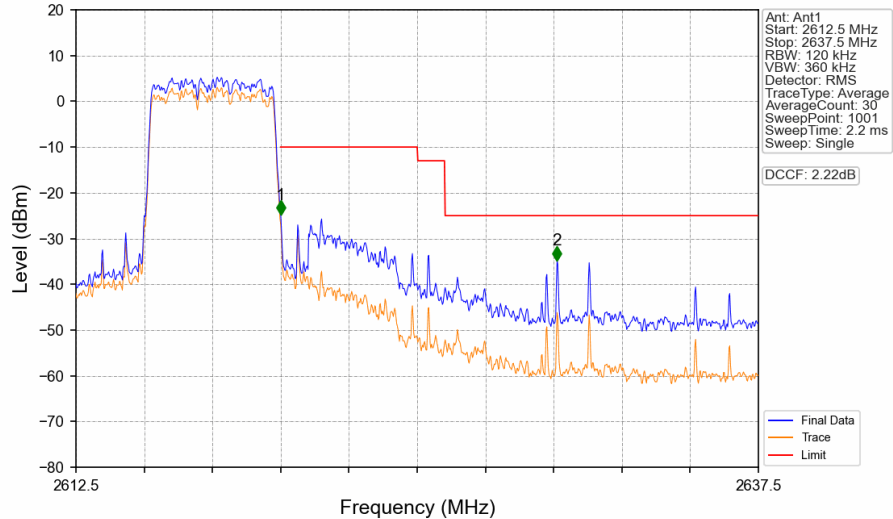
Band38 5MHz QPSK HCH 2617.5MHz RB 1 0 NTV



Band38 5MHz QPSK HCH 2617.5MHz RB 1 24 NTV

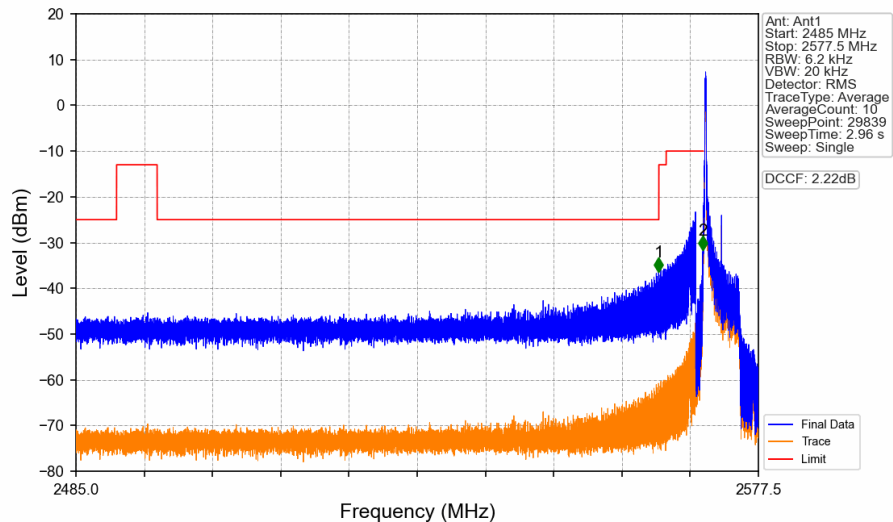


Band38 5MHz QPSK HCH 2617.5MHz RB 25 0 NTNV



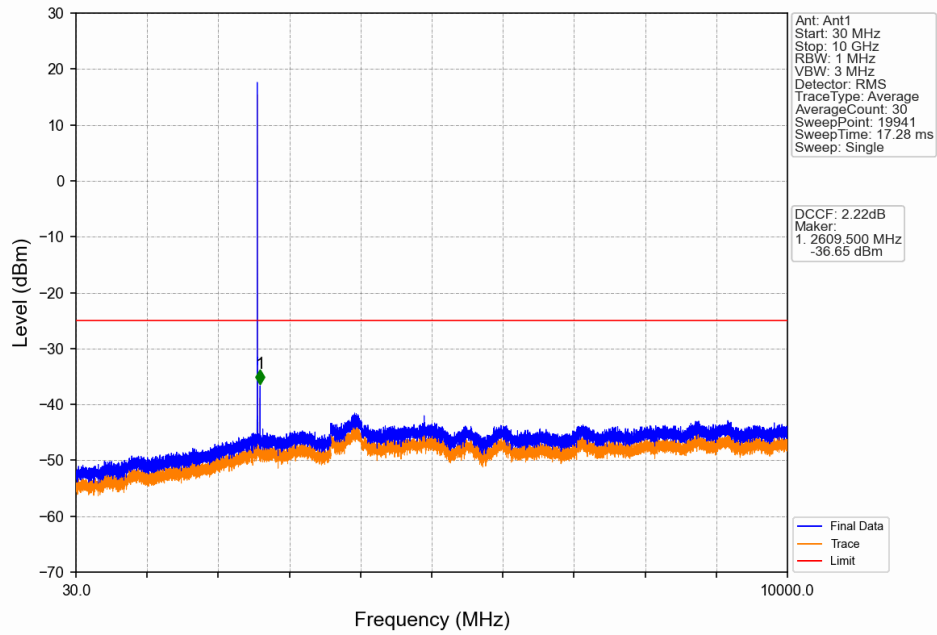
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.12	0	/	/	/	/	/
2620	2621	0.12	0	1	2620.000	-24.80	-10	Pass
2621	2637.5	1	9.21	2	2630.125	-34.76	-25	Pass

Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV

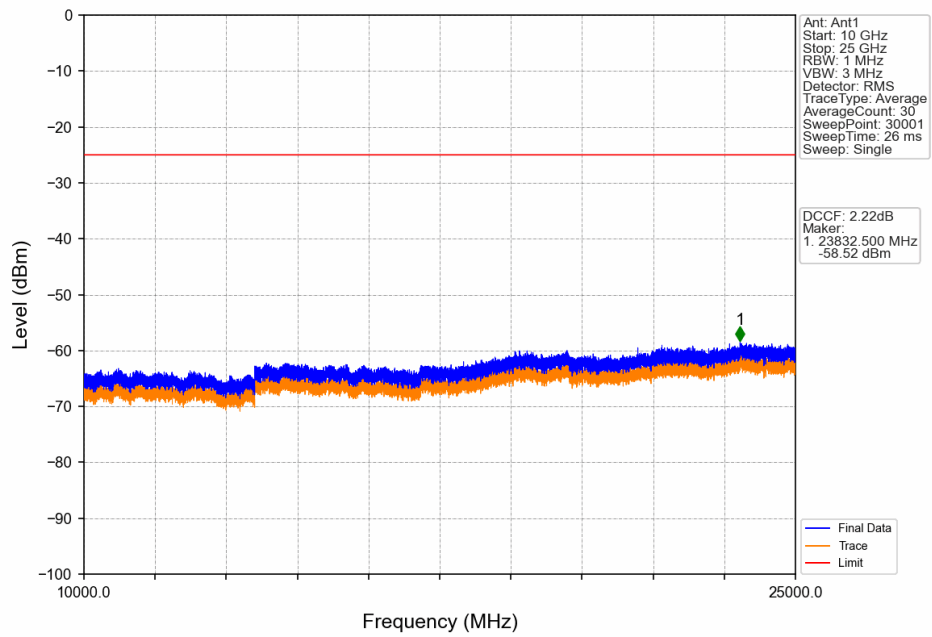


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2563.968	-36.47	-25	Pass
2569	2570	0.0062	0	2	2569.998	-31.69	-10	Pass
2570	2577.5	0.0062	0	/	/	/	/	/

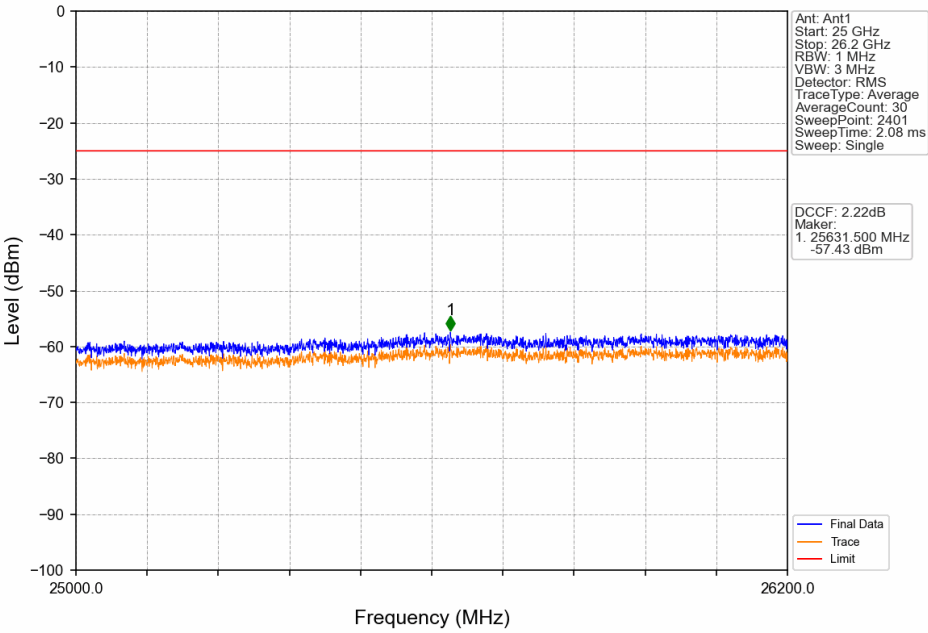
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



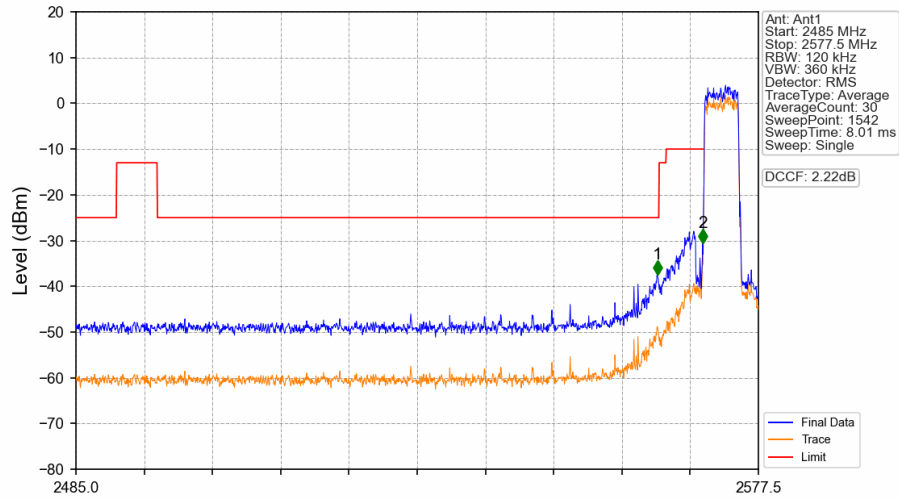
Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTNV



Band38 5MHz 16QAM LCH 2572.5MHz RB 1 0 NTV

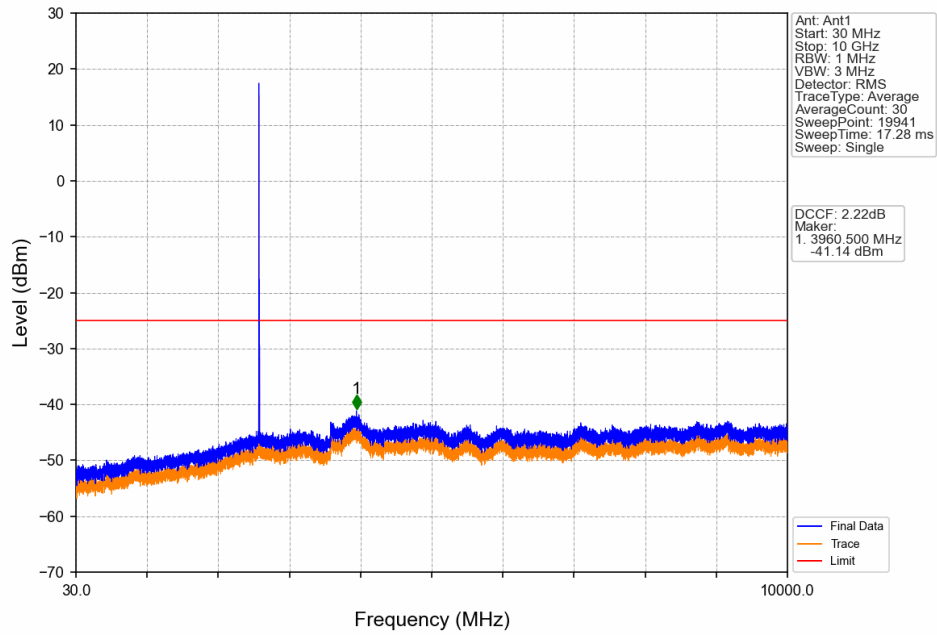


Band38 5MHz 16QAM LCH 2572.5MHz RB 25 0 NTV

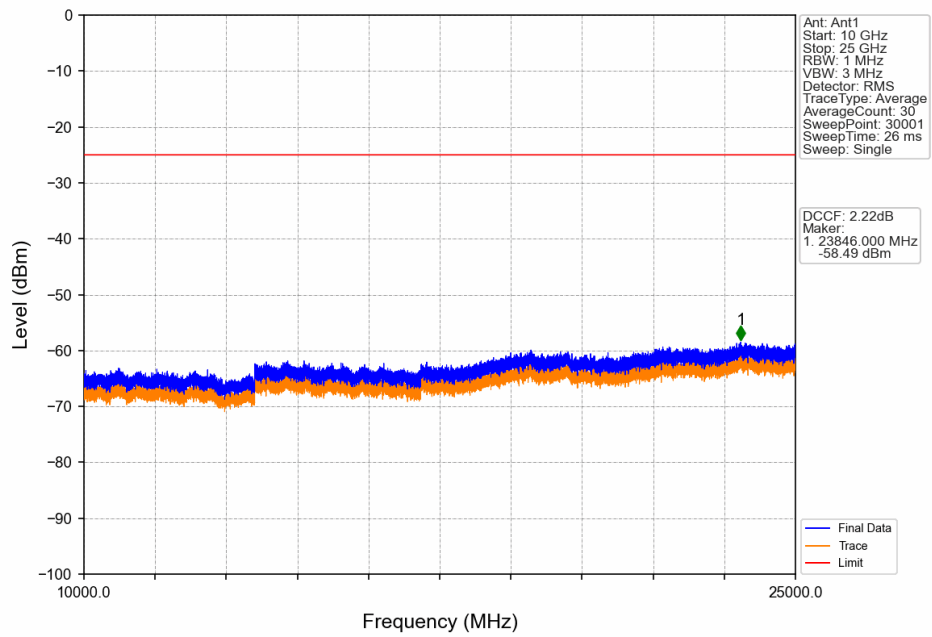


Frequency (MHz)								
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	9.21	1	2563.814	-37.42	-25	Pass
2569	2570	0.12	0	2	2569.937	-30.54	-10	Pass
2570	2577.5	0.12	0	/	/	/	/	/

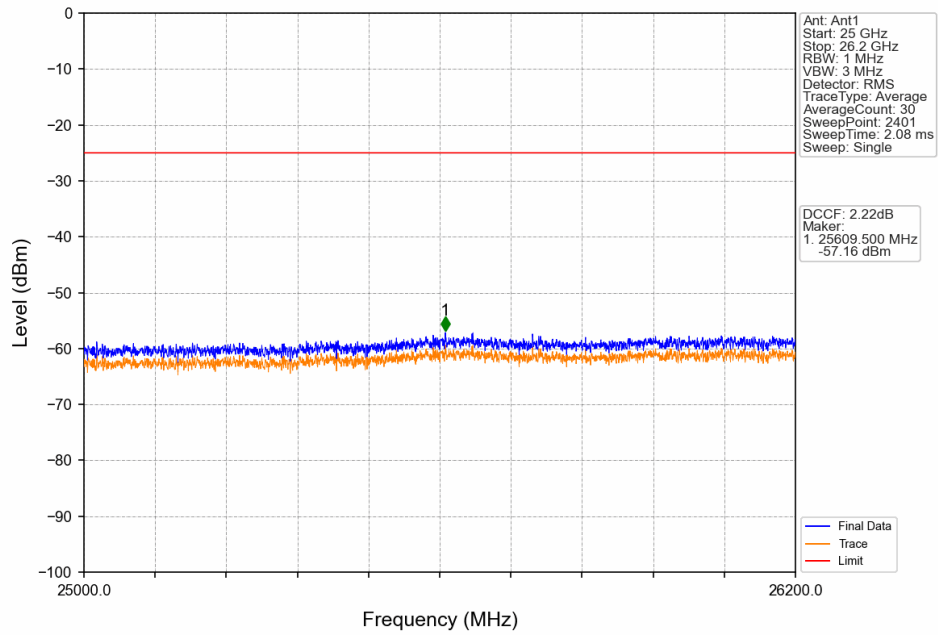
Band38 5MHz 16QAM MCH 2595MHz RB 1 0 NTNV



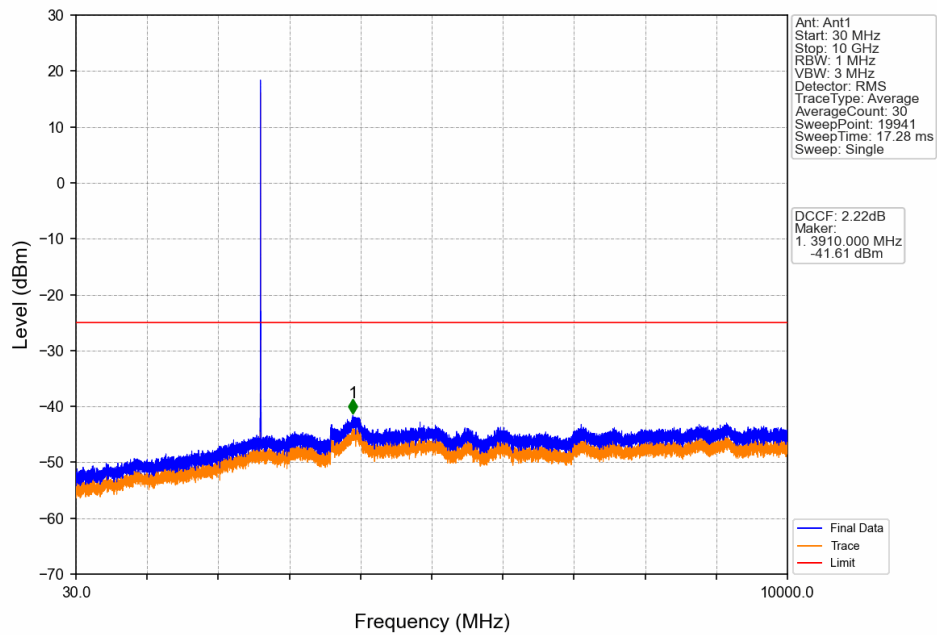
Band38 5MHz 16QAM MCH 2595MHz RB 1 0 NTNV



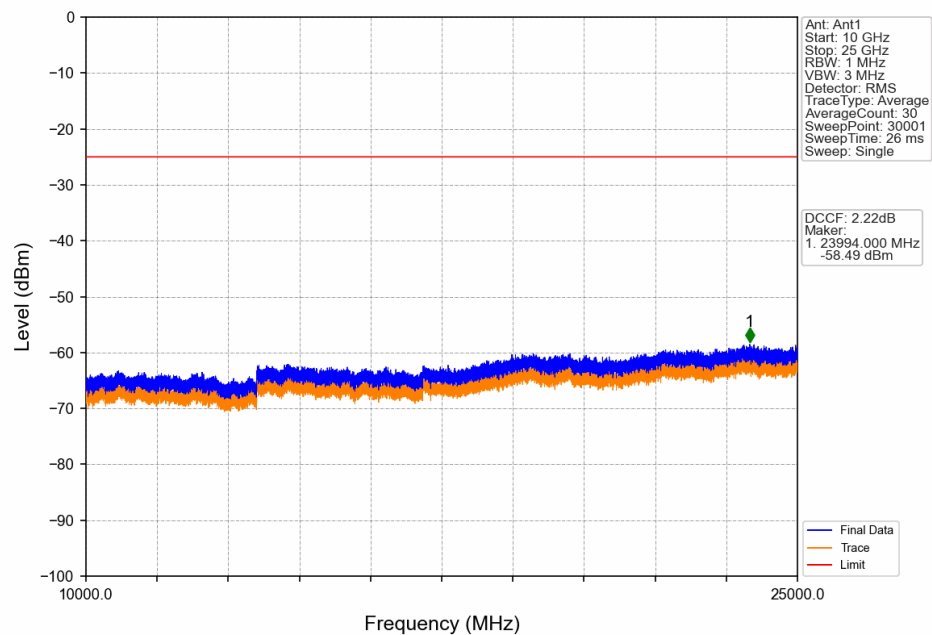
Band38 5MHz 16QAM MCH 2595MHz RB 1 0 NTNV



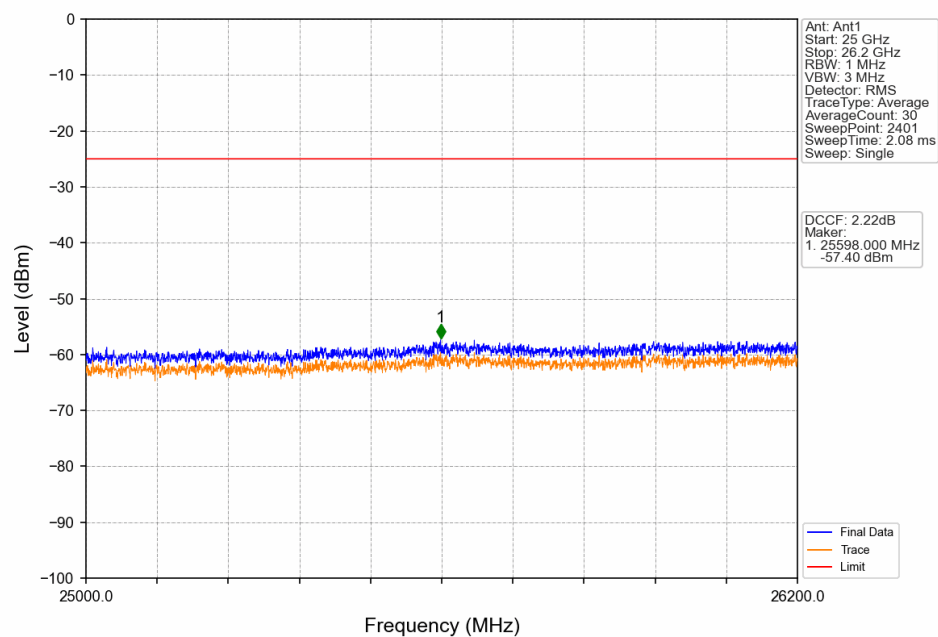
Band38 5MHz 16QAM HCH 2617.5MHz RB 1 0 NTNV



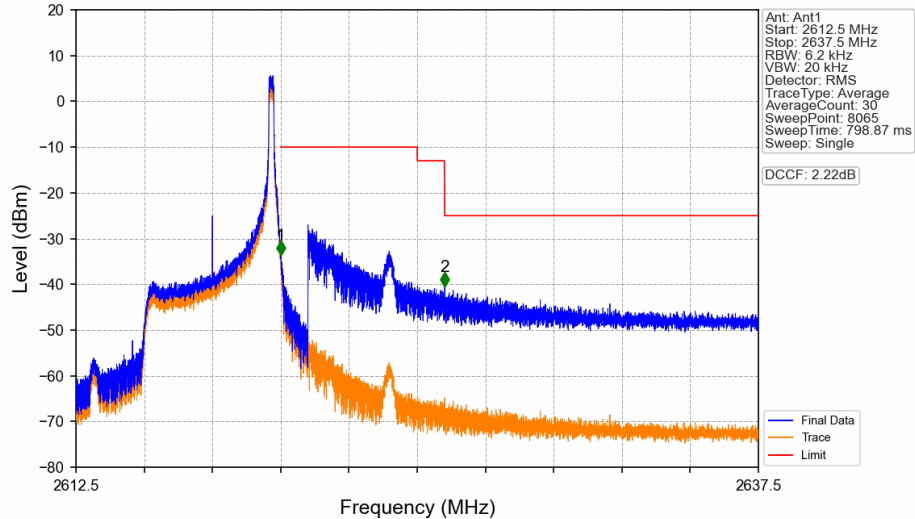
Band38 5MHz 16QAM HCH 2617.5MHz RB 1 0 NTNV



Band38 5MHz 16QAM HCH 2617.5MHz RB 1 0 NTNV

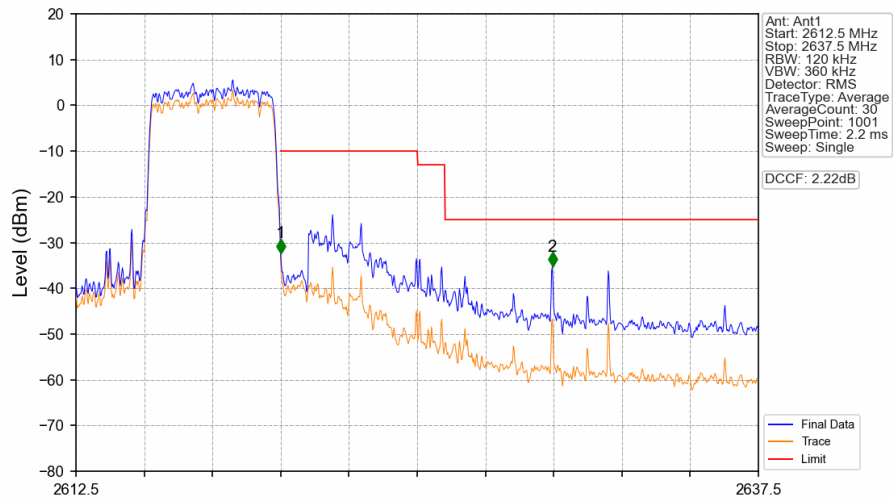


Band38 5MHz 16QAM HCH 2617.5MHz RB 1 24 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.002	-33.64	-10	Pass
2621	2637.5	1	22.08	2	2626.008	-40.51	-25	Pass

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



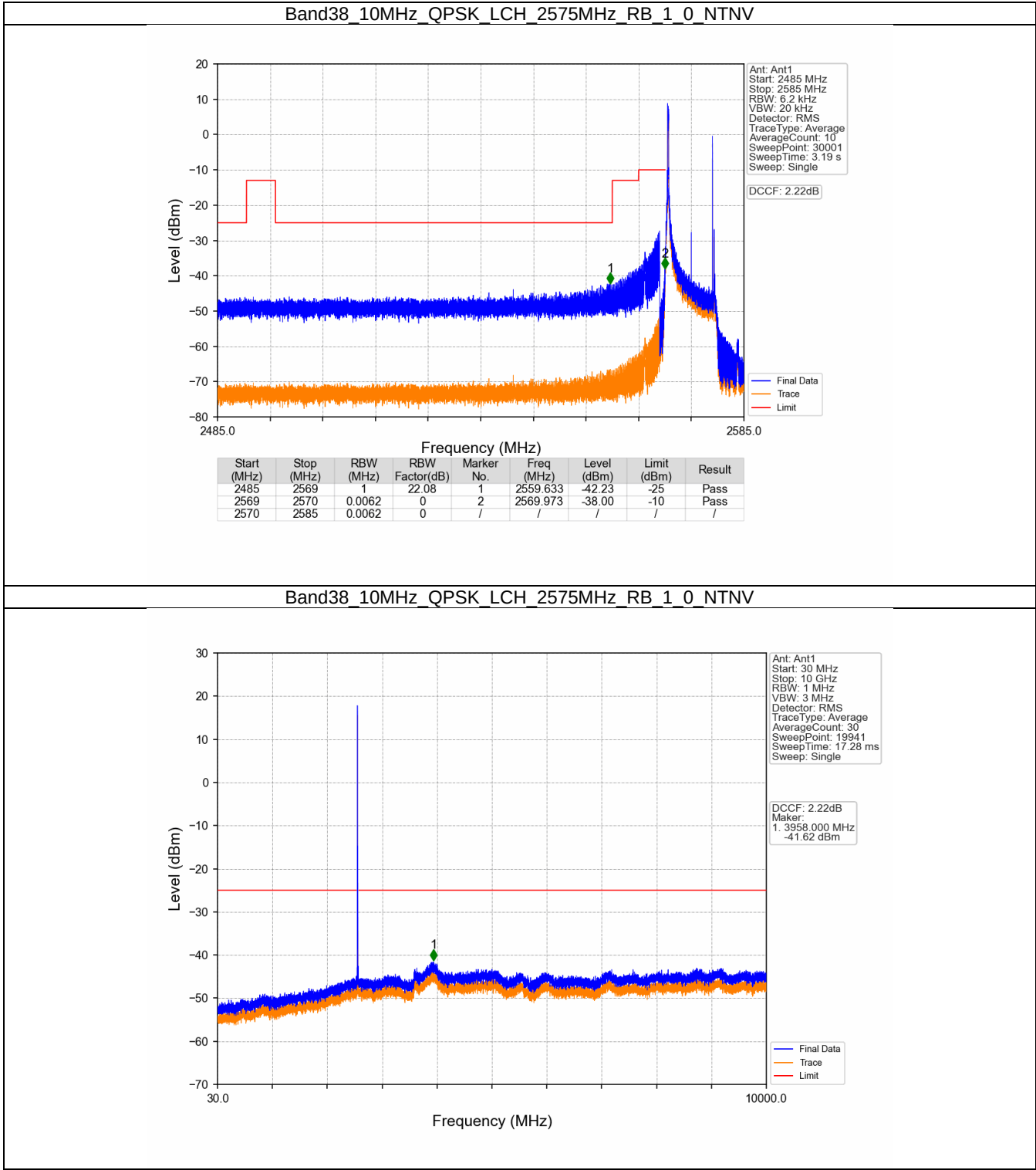
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2612.5	2620	0.12	0	/	/	/	/	/
2620	2621	0.12	0	1	2620.000	-32.32	-10	Pass
2621	2637.5	1	9.21	2	2629.950	-35.26	-25	Pass

2.2 B38_10MHz

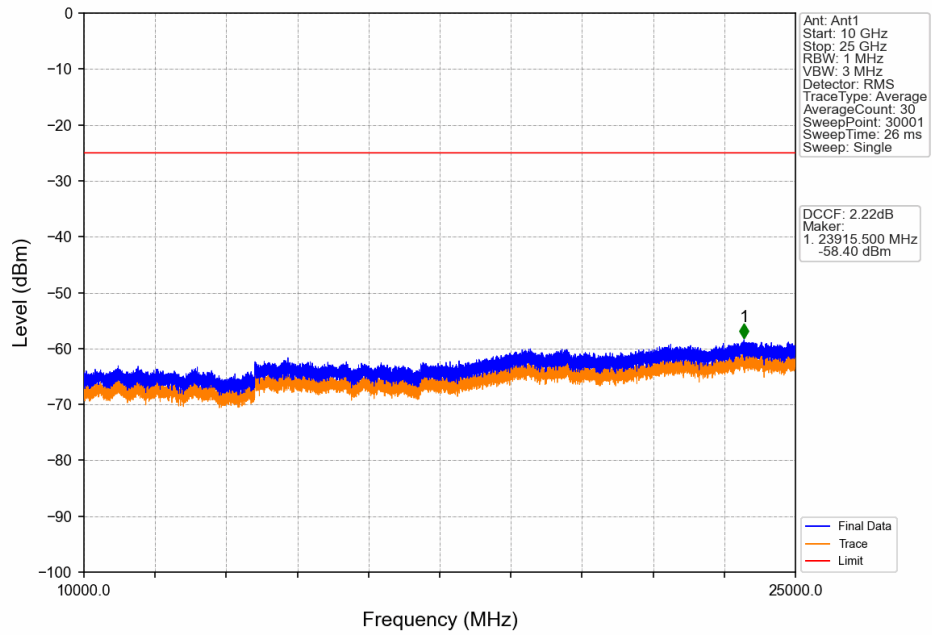
2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTVN						
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
16QAM	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

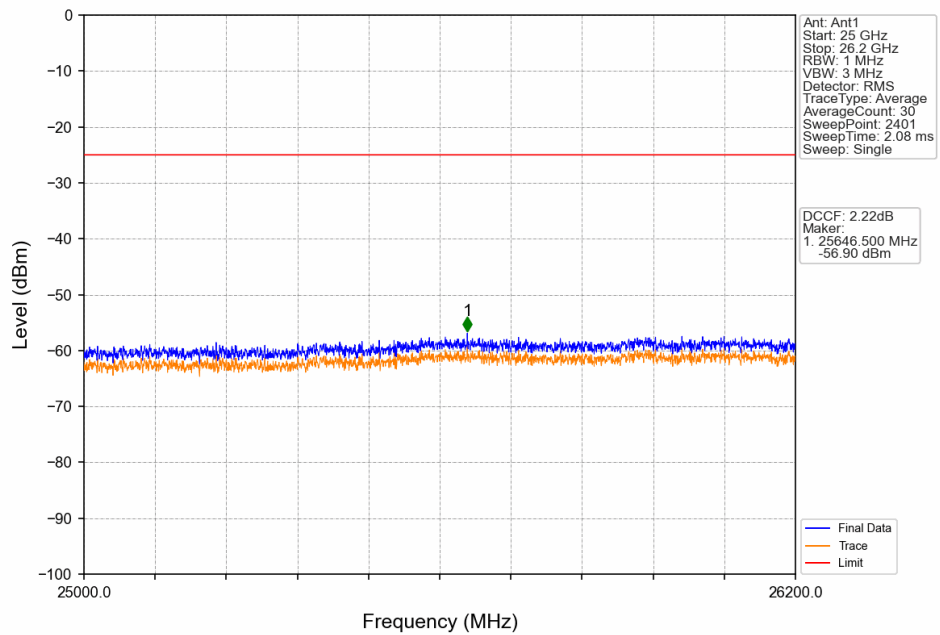
2.2.2 Test Graph



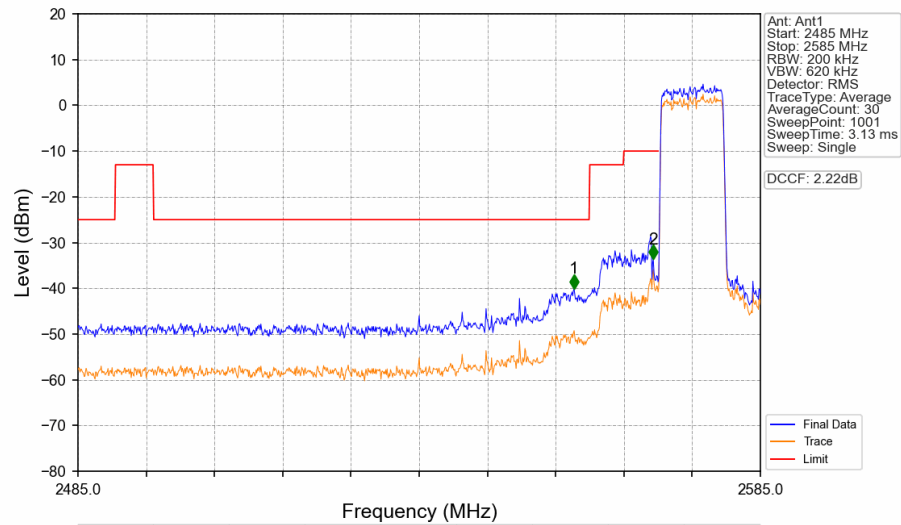
Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTN



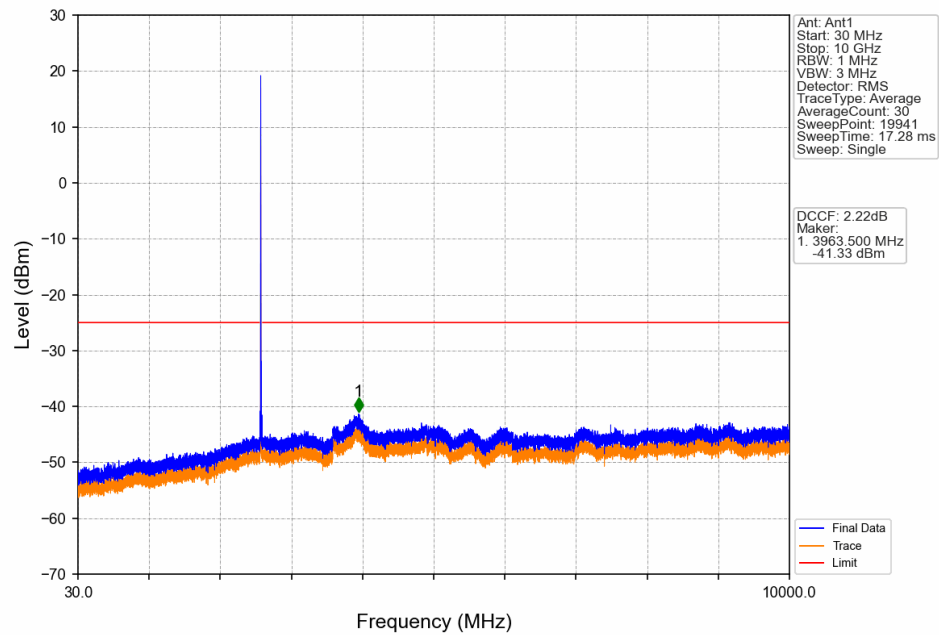
Band38 10MHz QPSK LCH 2575MHz RB 1 0 NTN



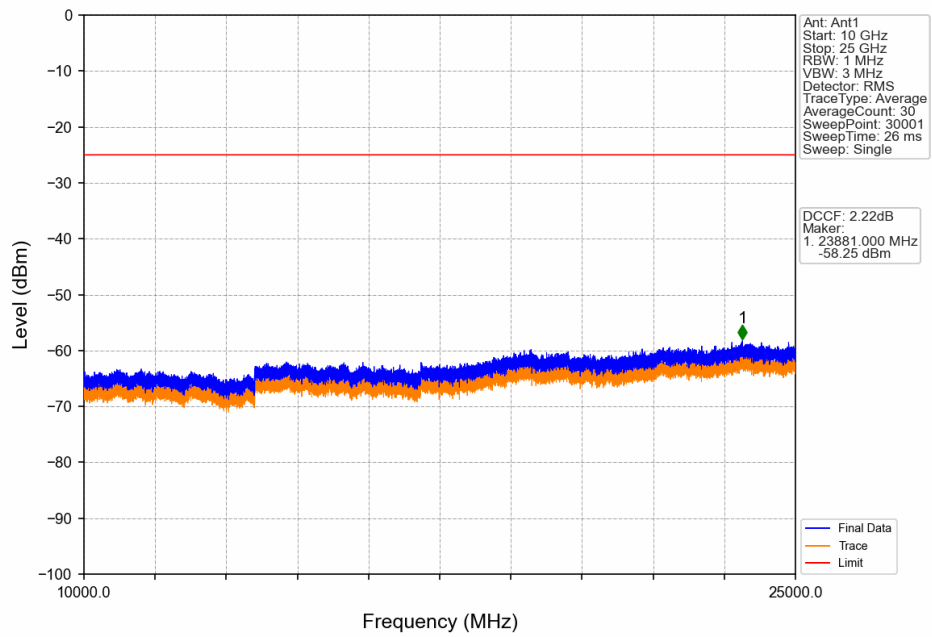
Band38 10MHz QPSK LCH 2575MHz RB 50 0 NTNV



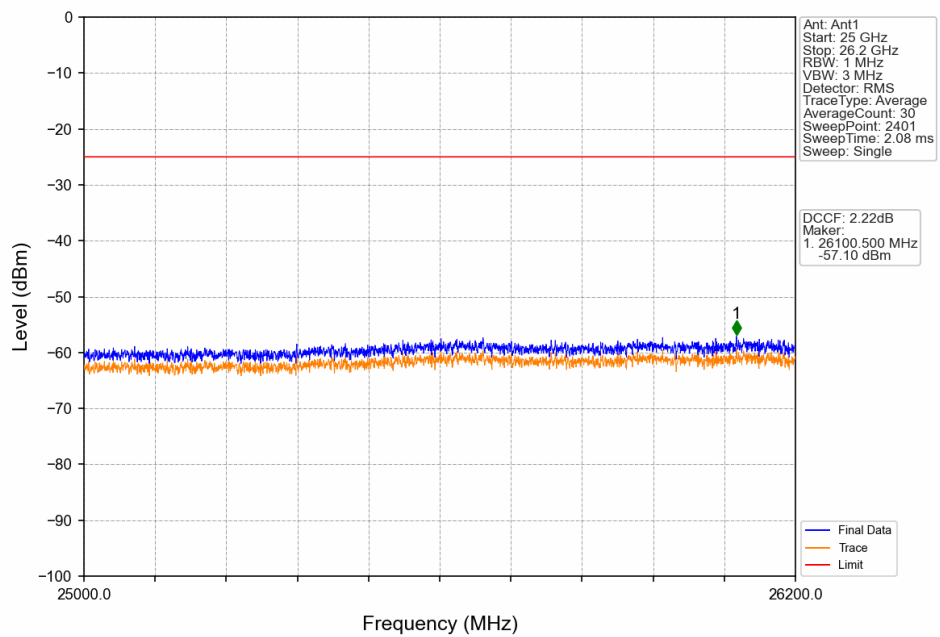
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTNV



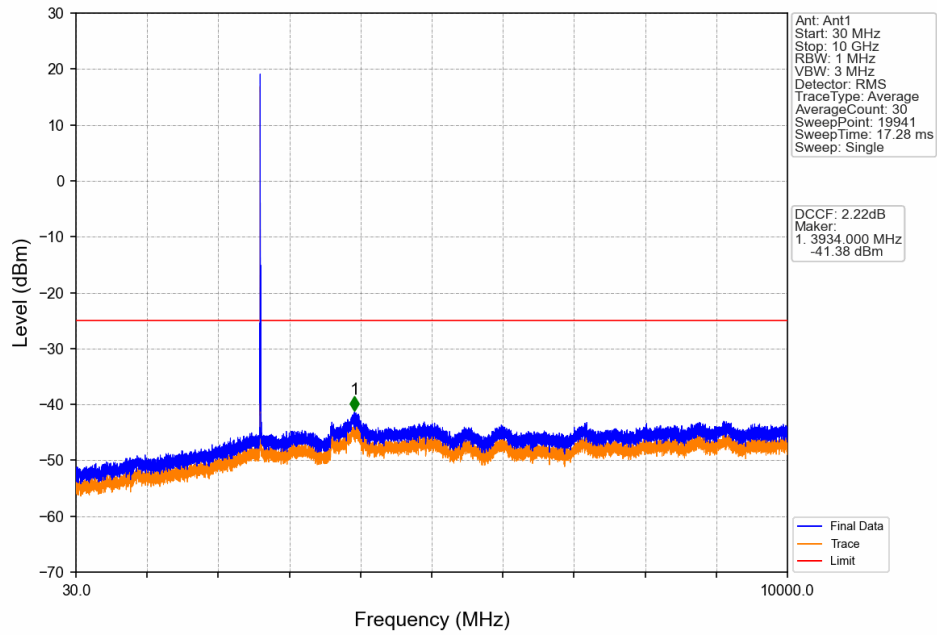
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTNV



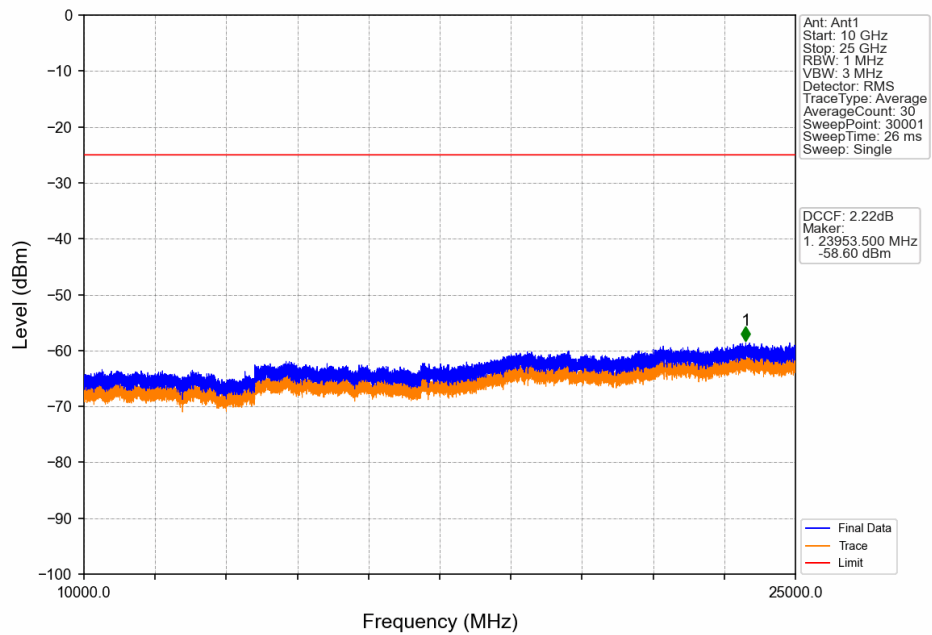
Band38 10MHz QPSK MCH 2595MHz RB 1 0 NTNV



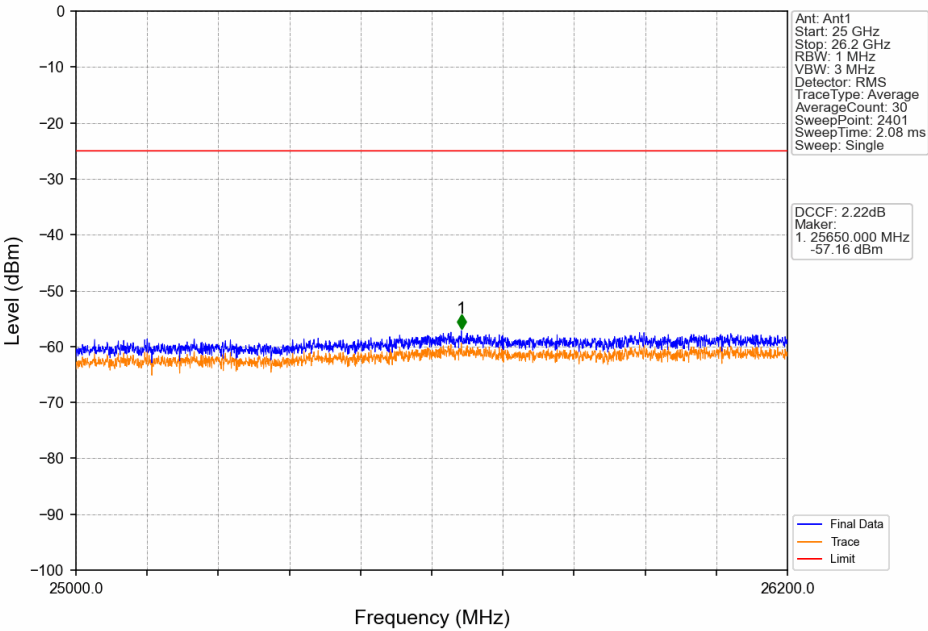
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



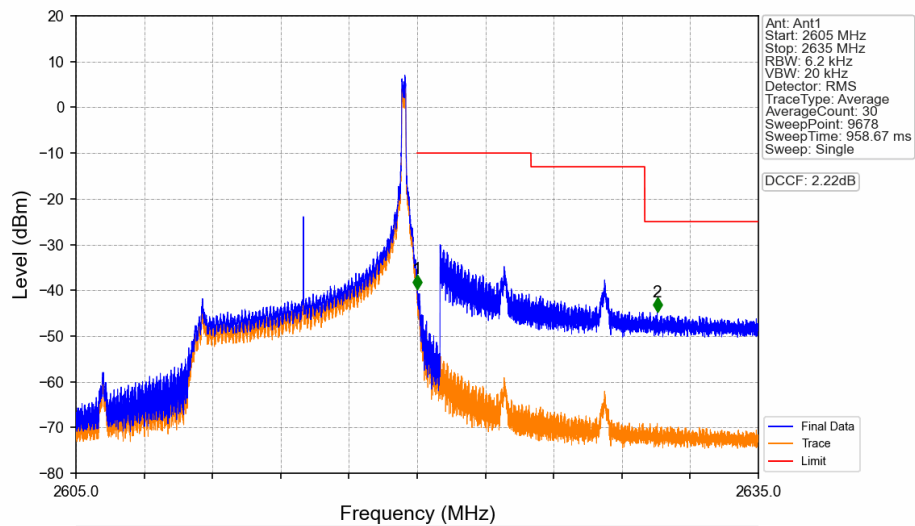
Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTNV



Band38 10MHz QPSK HCH 2615MHz RB 1 0 NTN

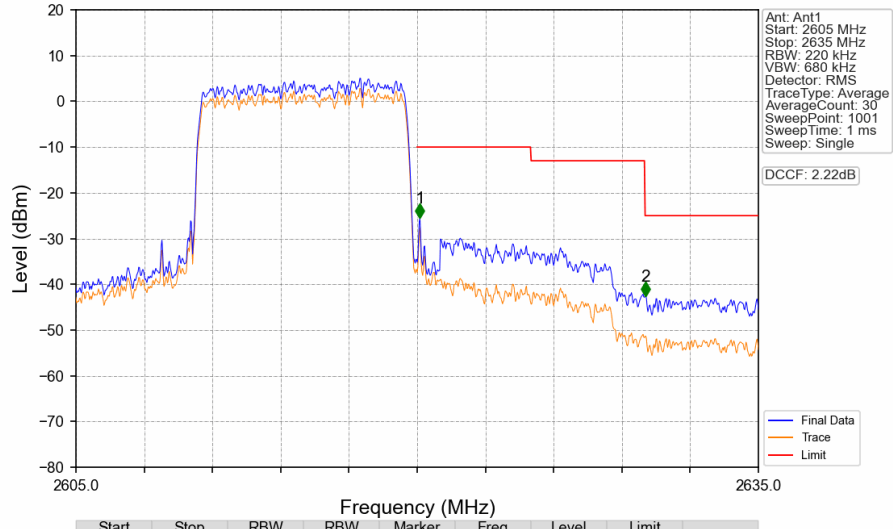


Band38 10MHz QPSK HCH 2615MHz RB 1 49 NTN



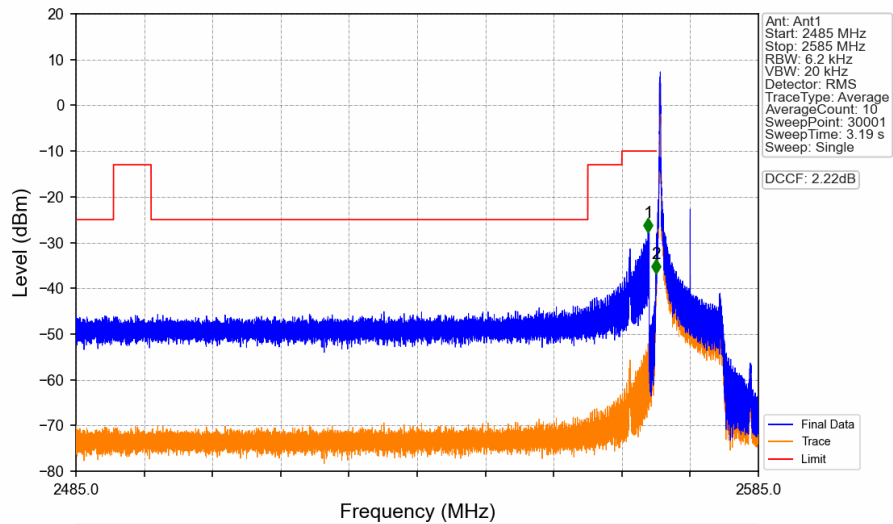
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.0062	0	1	2620.002	-39.73	-10	Pass
2620	2621	0.0062	0	2	2630.551	-44.79	-25	Pass
2621	2635	1	22.08					

Band38 10MHz QPSK HCH 2615MHz RB 50 0 NTV



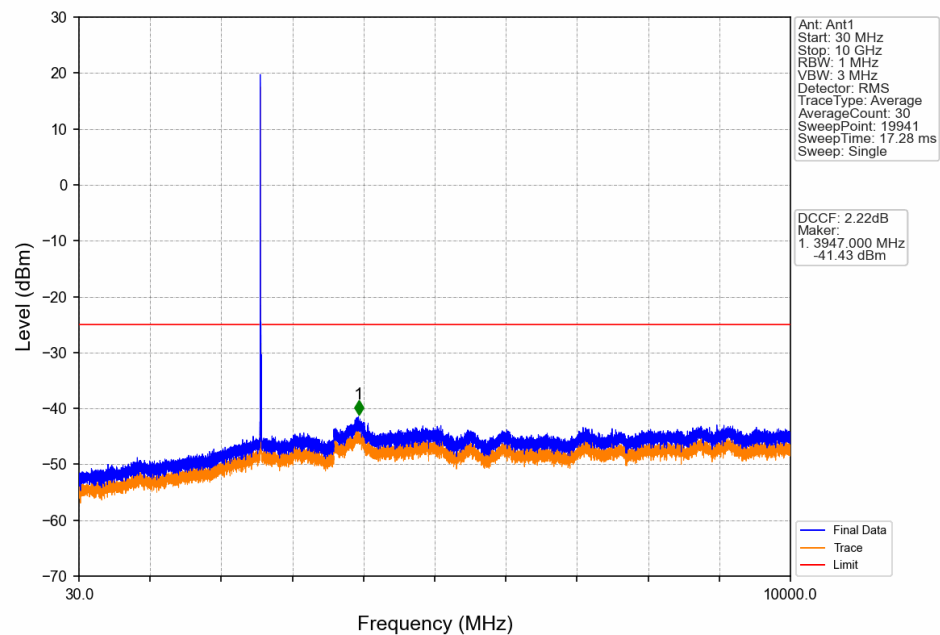
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.22	0	/	/	/	/	/
2620	2621	0.22	0	1	2620.120	-25.47	-10	Pass
2621	2635	1	6.58	2	2630.050	-42.55	-25	Pass

Band38 10MHz 16QAM LCH 2575MHz RB 1 0 NTV

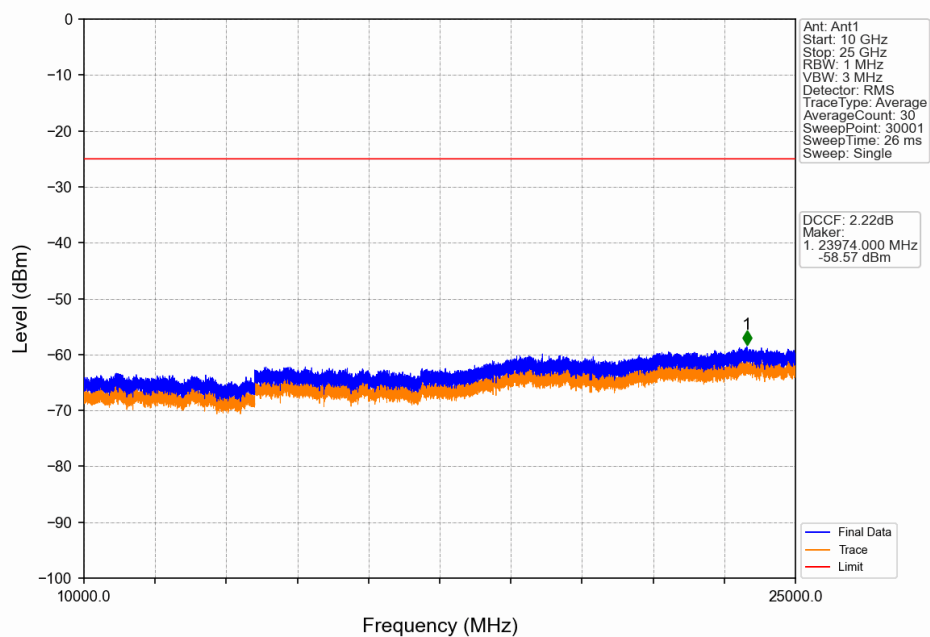


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2568.833	-27.81	-10	Pass
2569	2570	0.0062	0	2	2569.967	-36.82	-10	Pass
2570	2585	0.0062	0	/	/	/	/	/

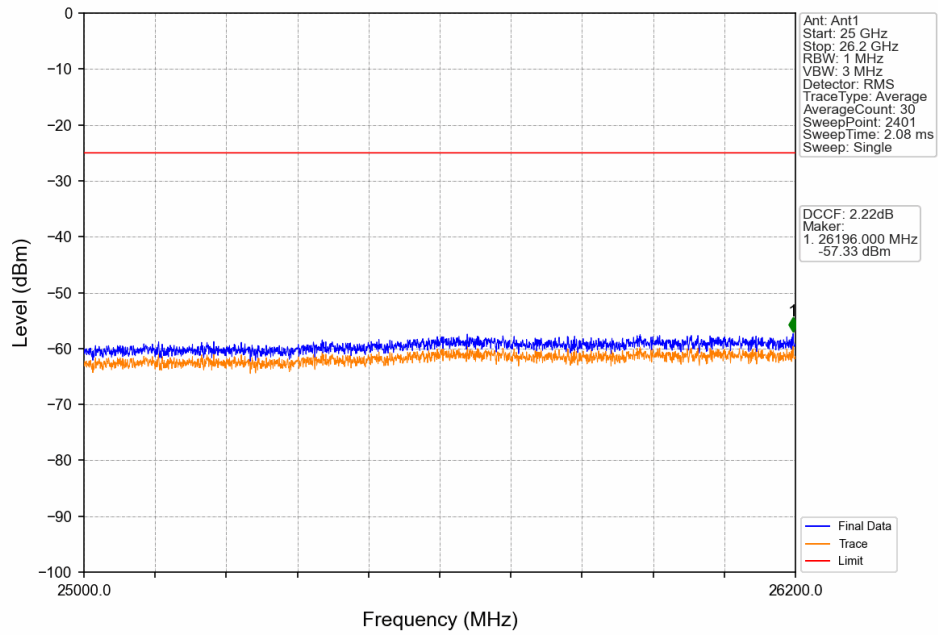
Band38 10MHz 16QAM LCH 2575MHz RB 1 0 NTNV



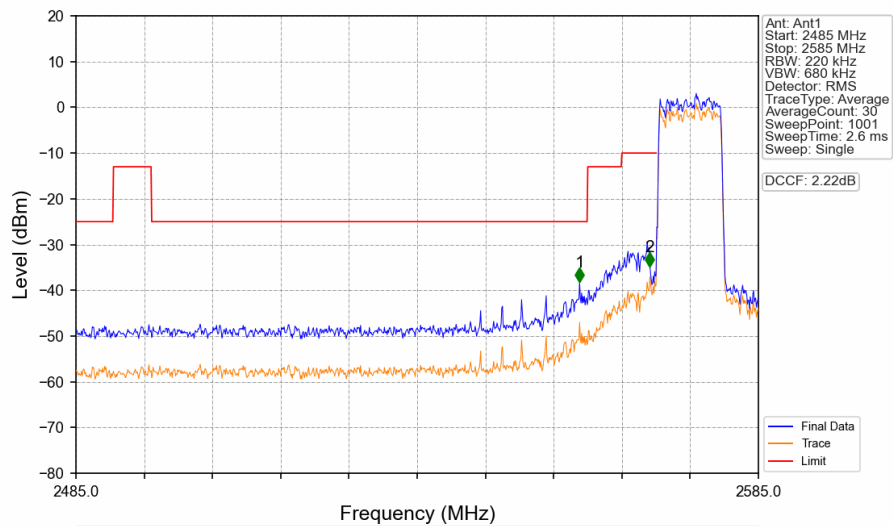
Band38 10MHz 16QAM LCH 2575MHz RB 1 0 NTNV



Band38 10MHz 16QAM LCH 2575MHz RB 1 0 NTV

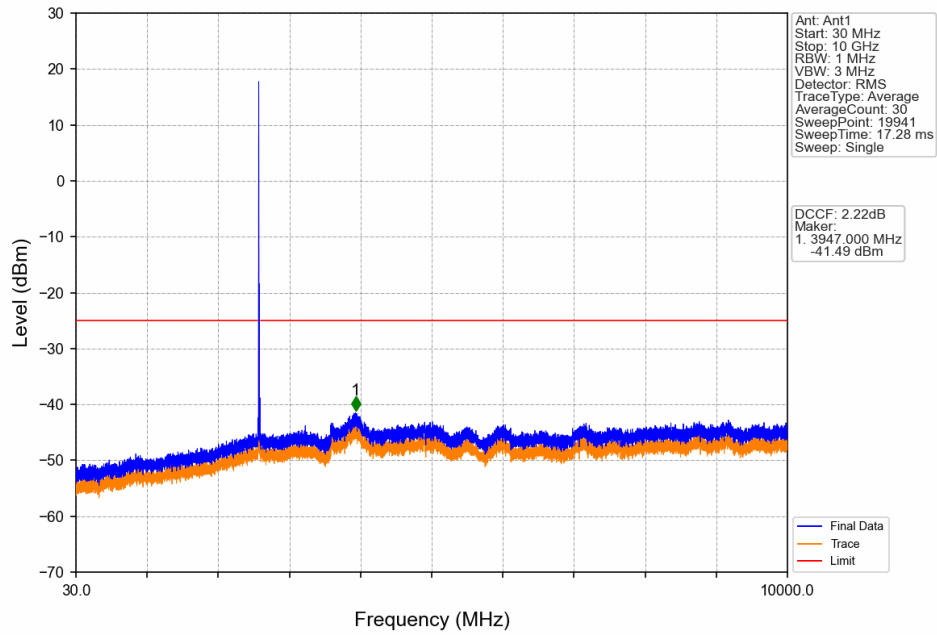


Band38 10MHz 16QAM LCH 2575MHz RB 50 0 NTV

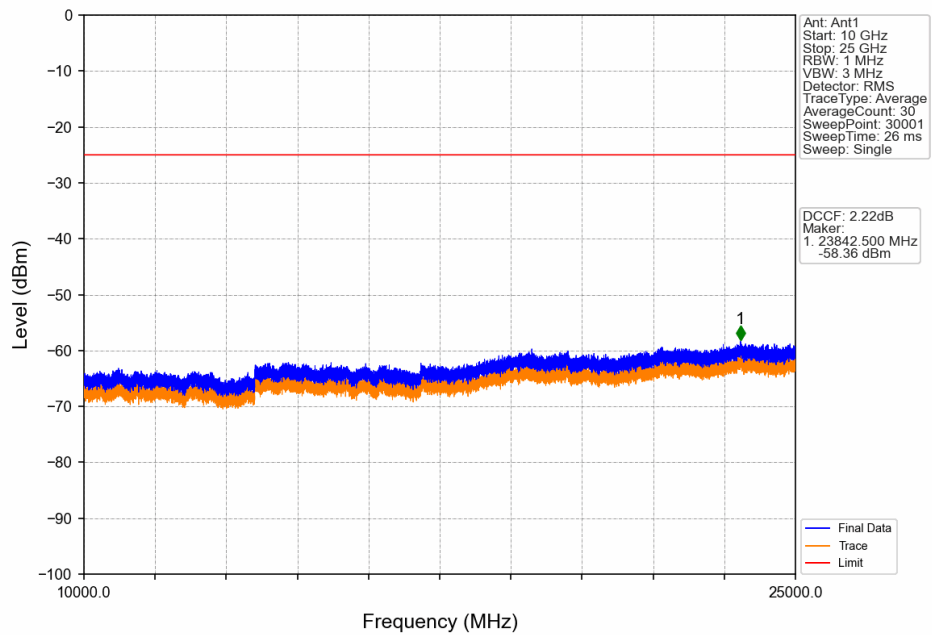


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	6.58	1	2558.800	-38.21	-25	Pass
2569	2570	0.22	0	2	2569.100	-34.82	-10	Pass
2570	2585	0.22	0	/	/	/	/	/

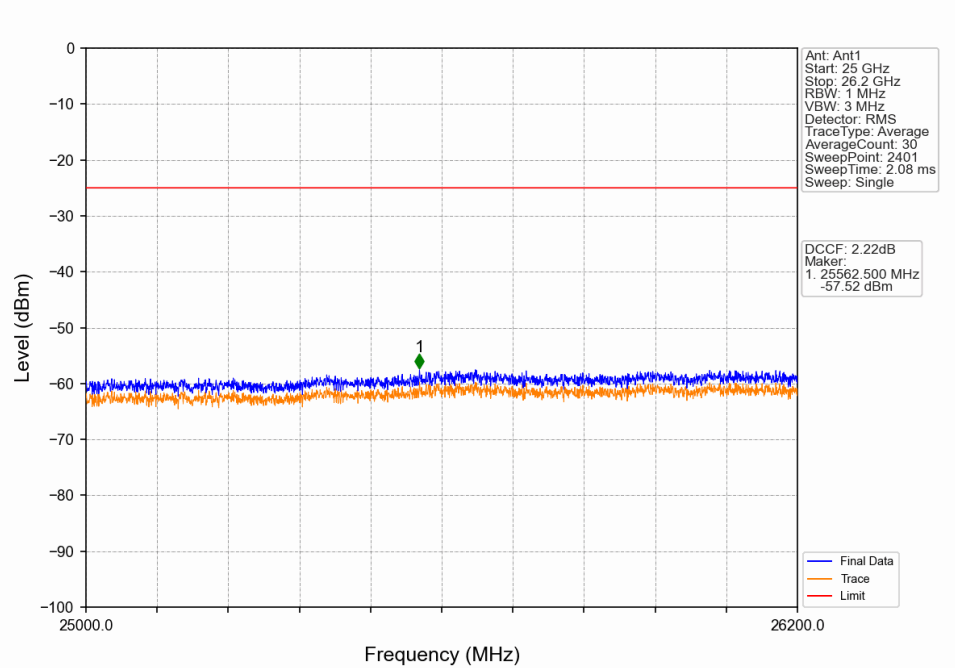
Band38 10MHz 16QAM MCH 2595MHz RB 1 0 NTNV



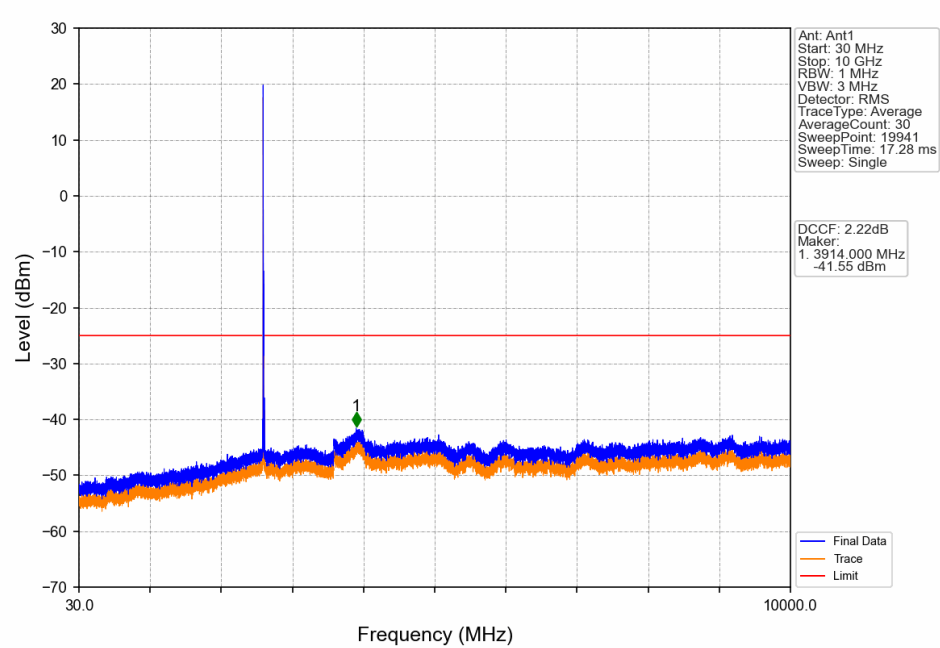
Band38 10MHz 16QAM MCH 2595MHz RB 1 0 NTNV



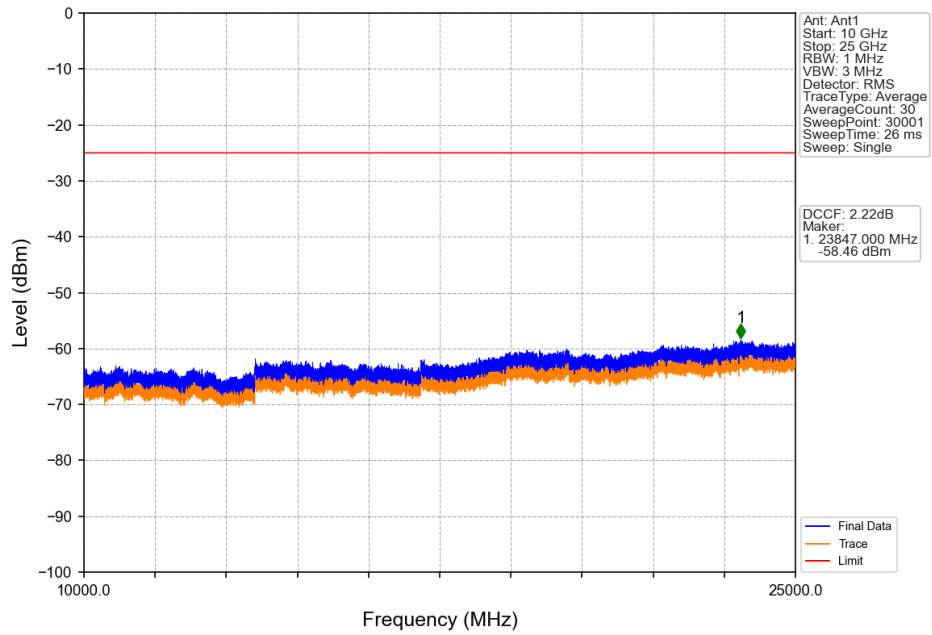
Band38 10MHz 16QAM MCH 2595MHz RB 1 0 NTNV



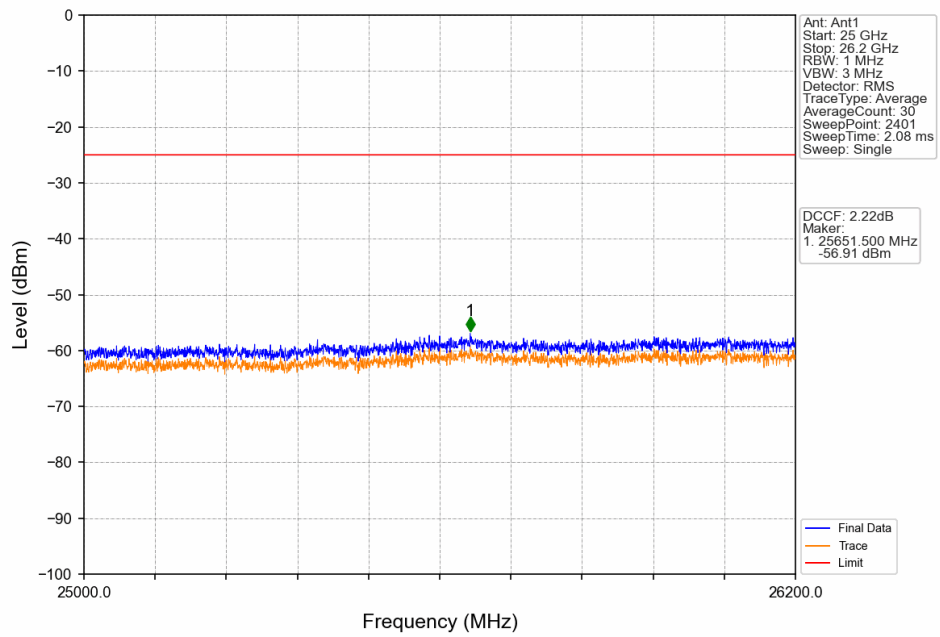
Band38 10MHz 16QAM HCH 2615MHz RB 1 0 NTNV



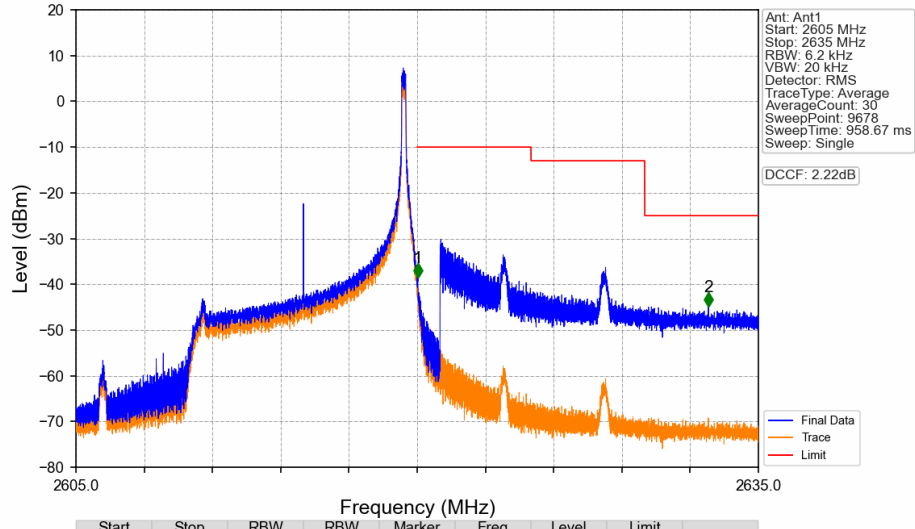
Band38 10MHz 16QAM HCH 2615MHz RB 1 0 NTV



Band38 10MHz 16QAM HCH 2615MHz RB 1 0 NTV

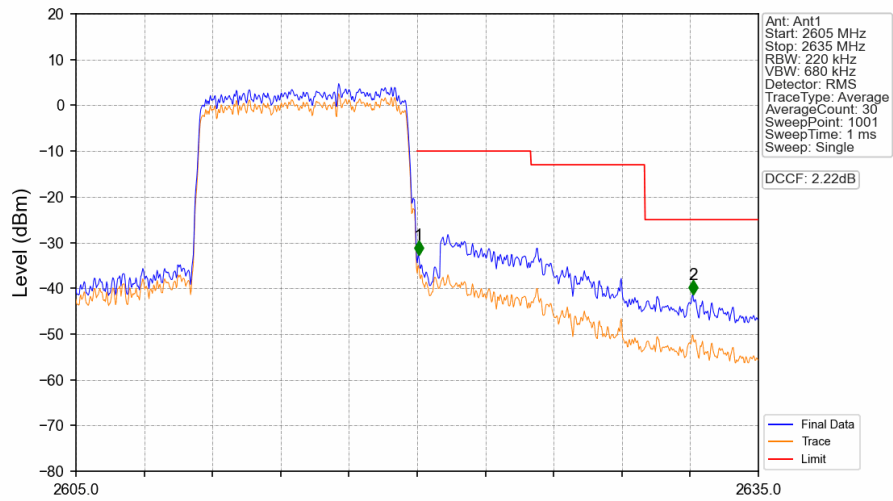


Band38 10MHz 16QAM HCH 2615MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.0062	0	/	/	/	/	/
2620	2621	0.0062	0	1	2620.020	-38.52	-10	Pass
2621	2635	1	22.08	2	2632.799	-44.90	-25	Pass

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



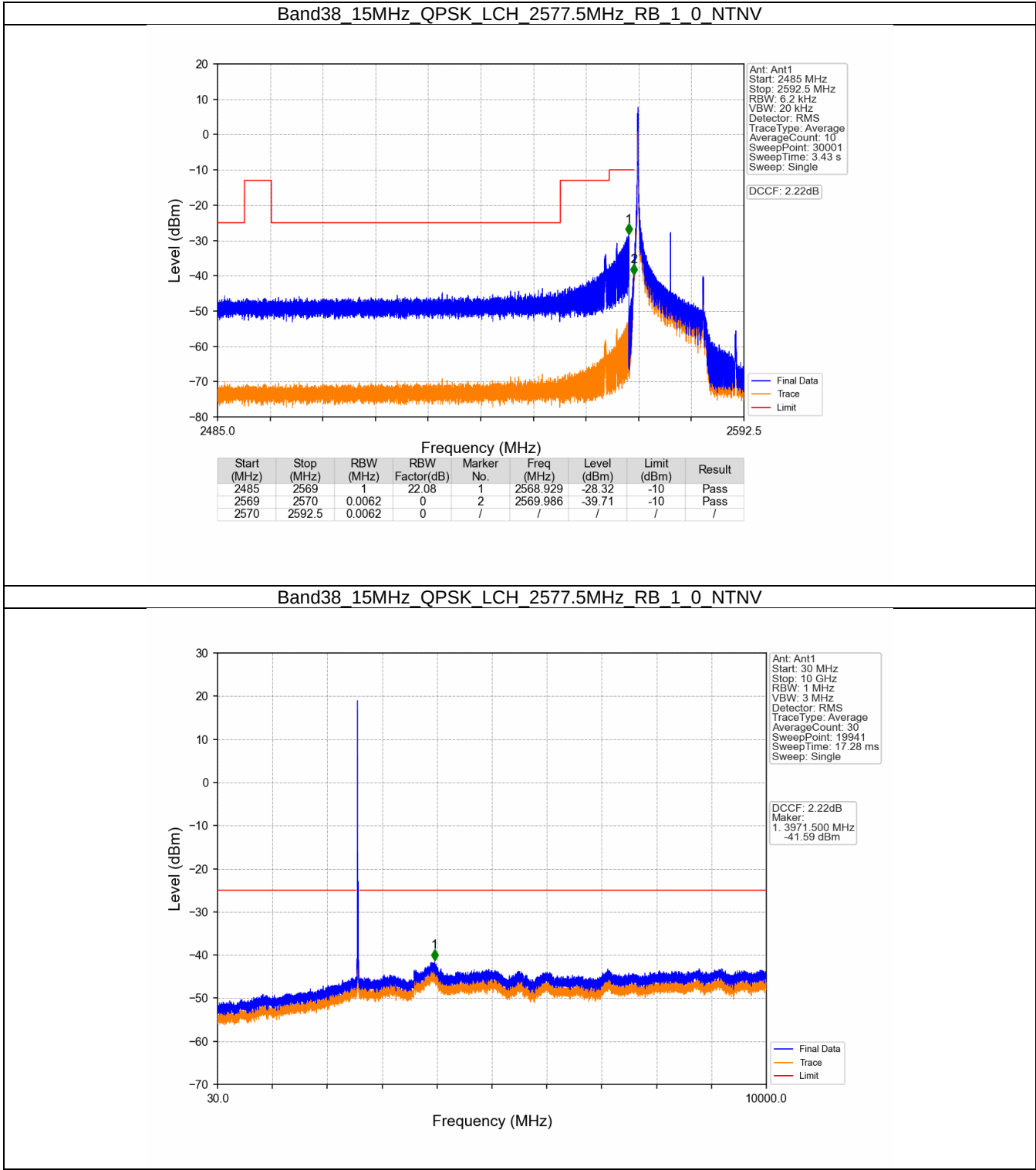
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2605	2620	0.22	0	/	/	/	/	/
2620	2621	0.22	0	1	2620.060	-32.77	-10	Pass
2621	2635	1	6.58	2	2632.120	-41.43	-25	Pass

2.3 B38_15MHz

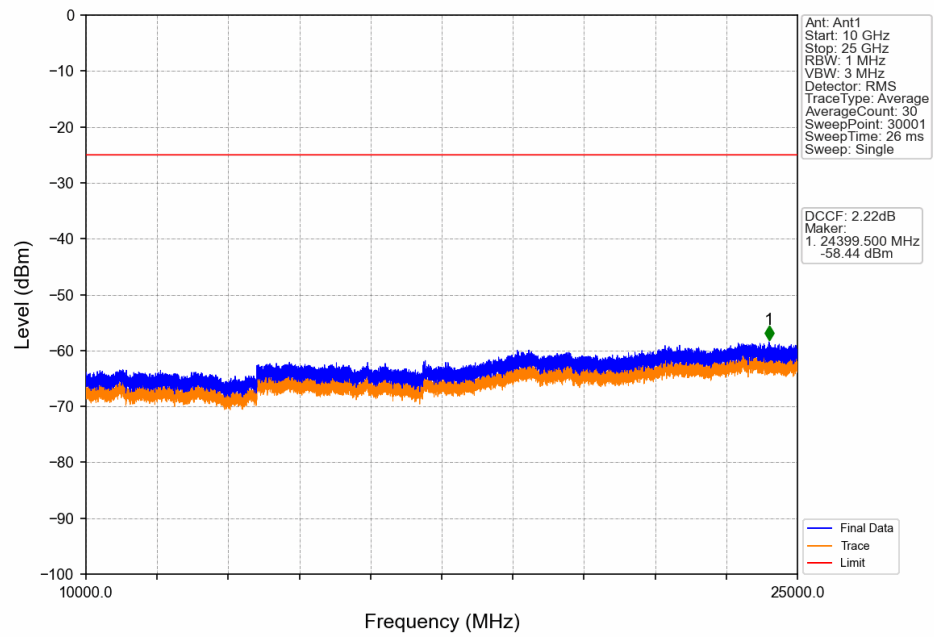
2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTVN						
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
16QAM	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

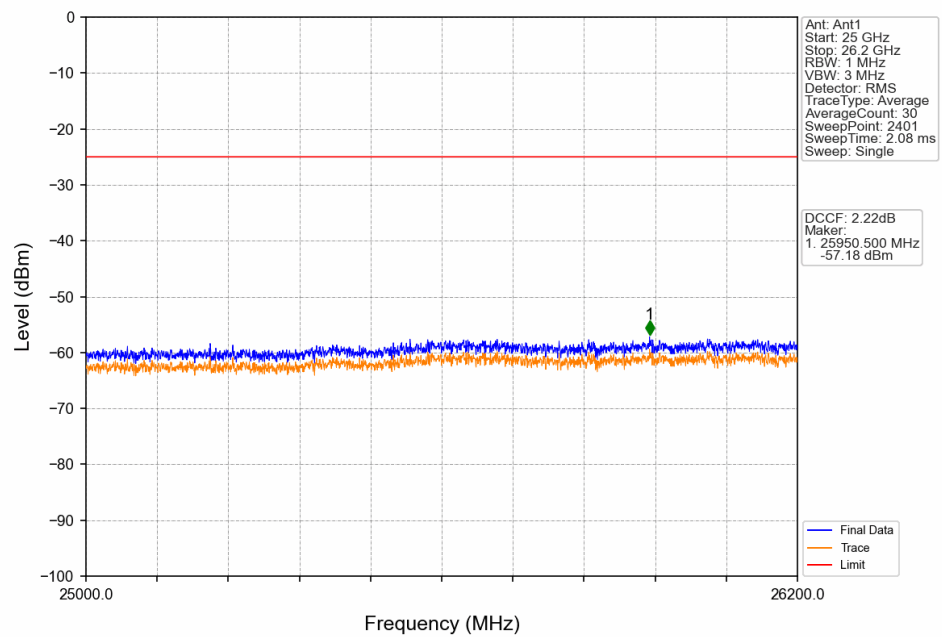
2.3.2 Test Graph



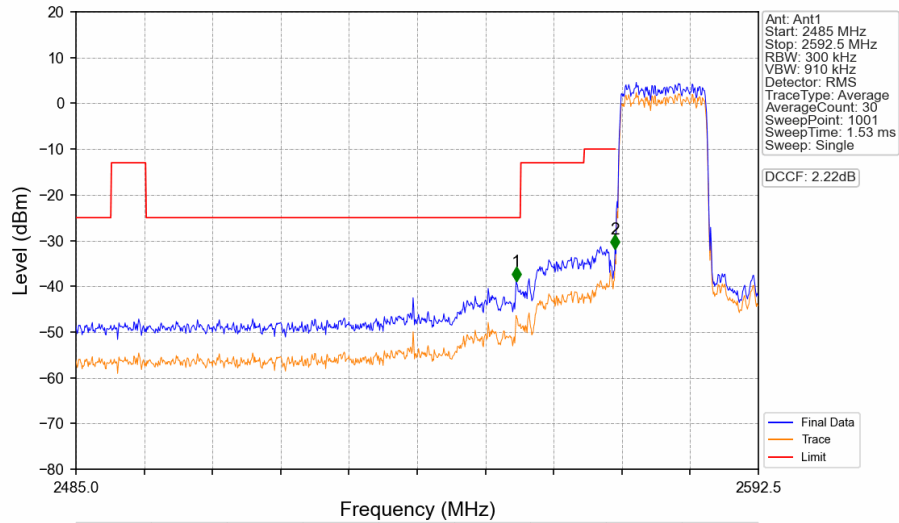
Band38 15MHz QPSK LCH 2577.5MHz RB 1 0 NTNV



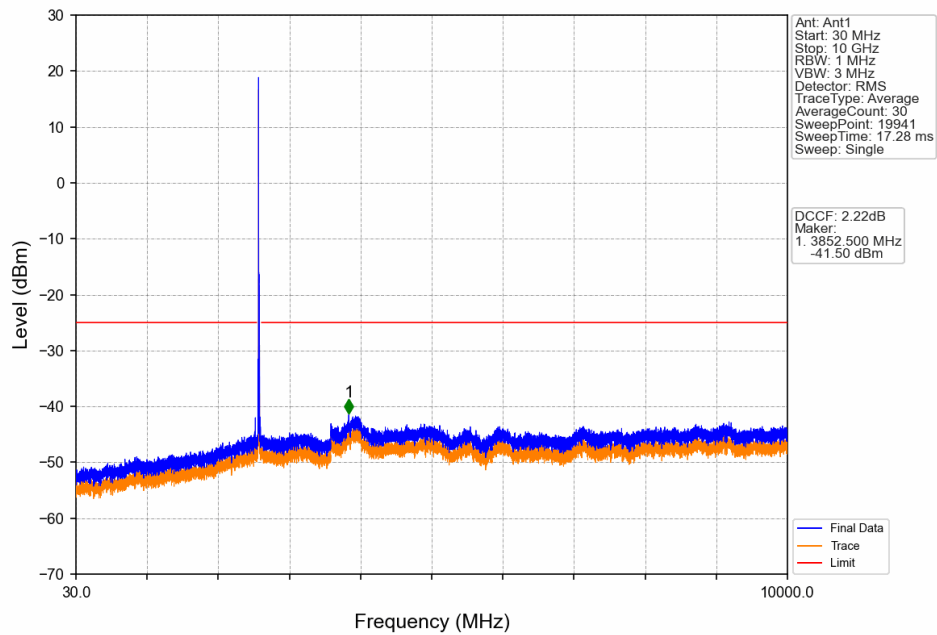
Band38 15MHz QPSK LCH 2577.5MHz RB 1 0 NTNV



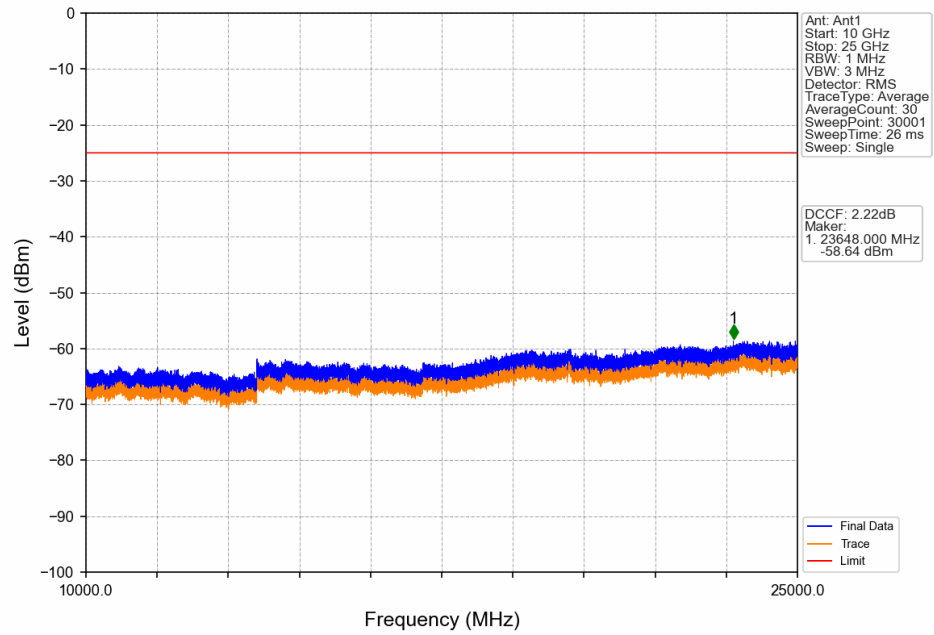
Band38 15MHz QPSK LCH 2577.5MHz RB 75 0 NTNV



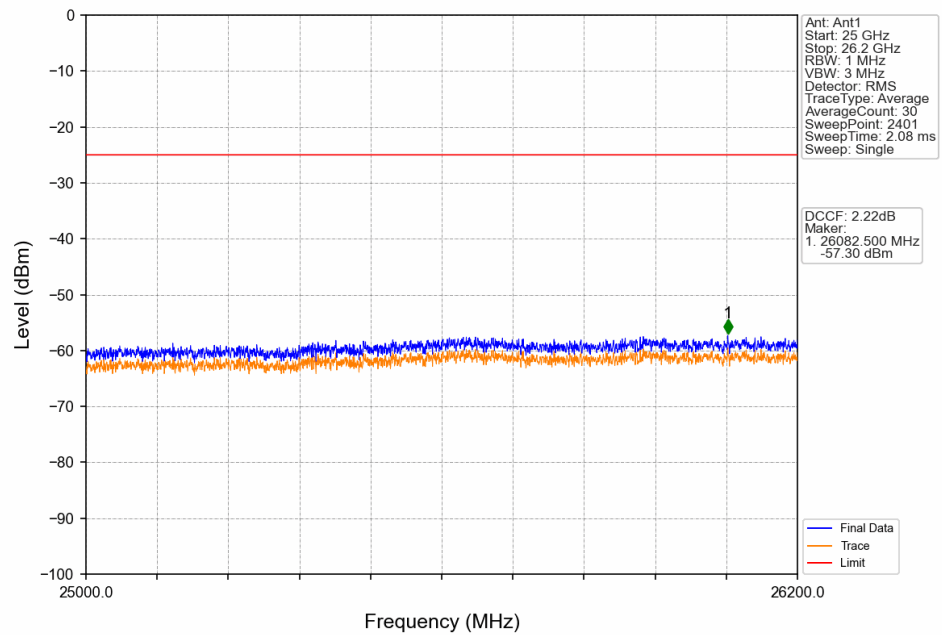
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



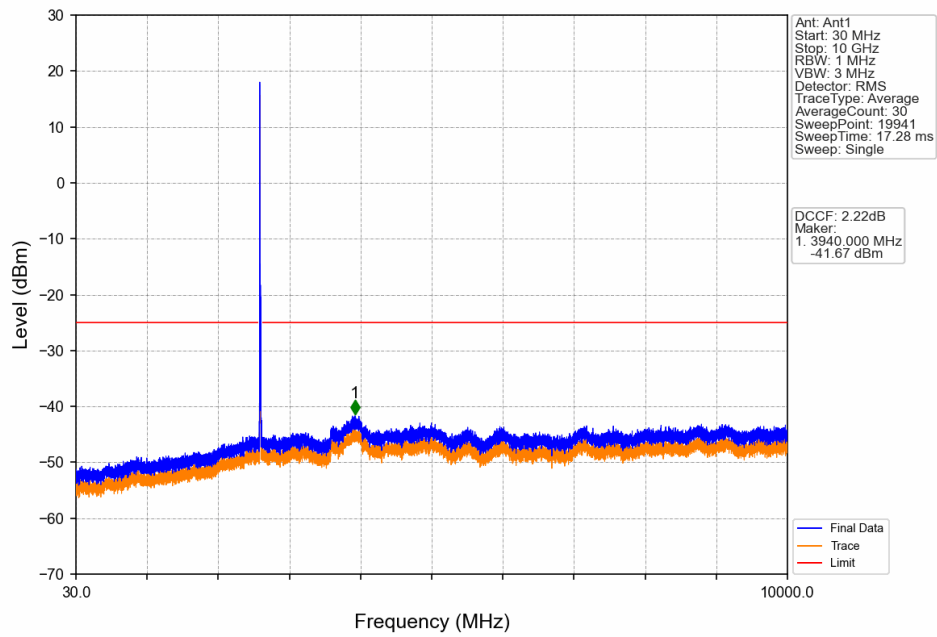
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



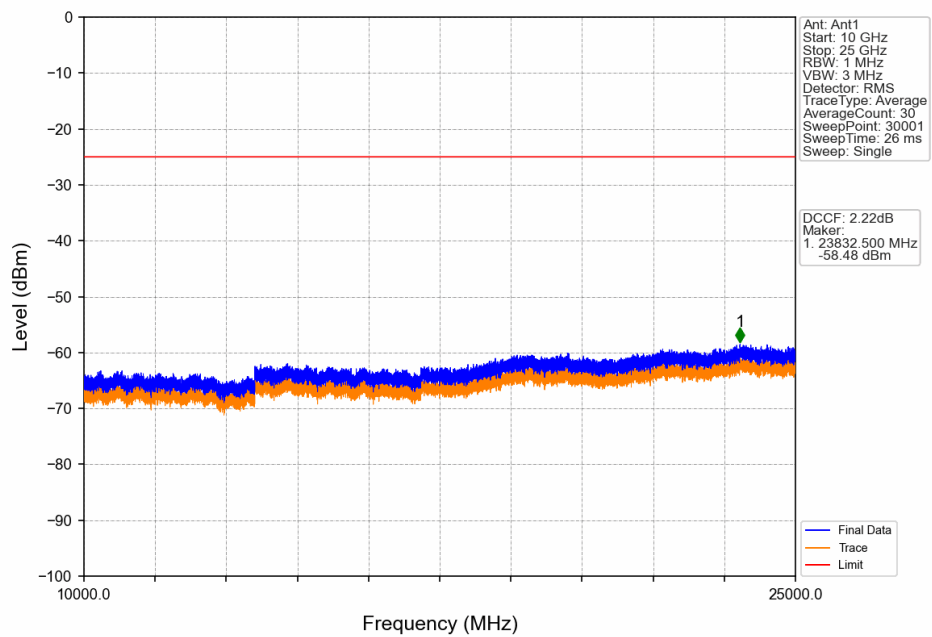
Band38 15MHz QPSK MCH 2595MHz RB 1 0 NTNV



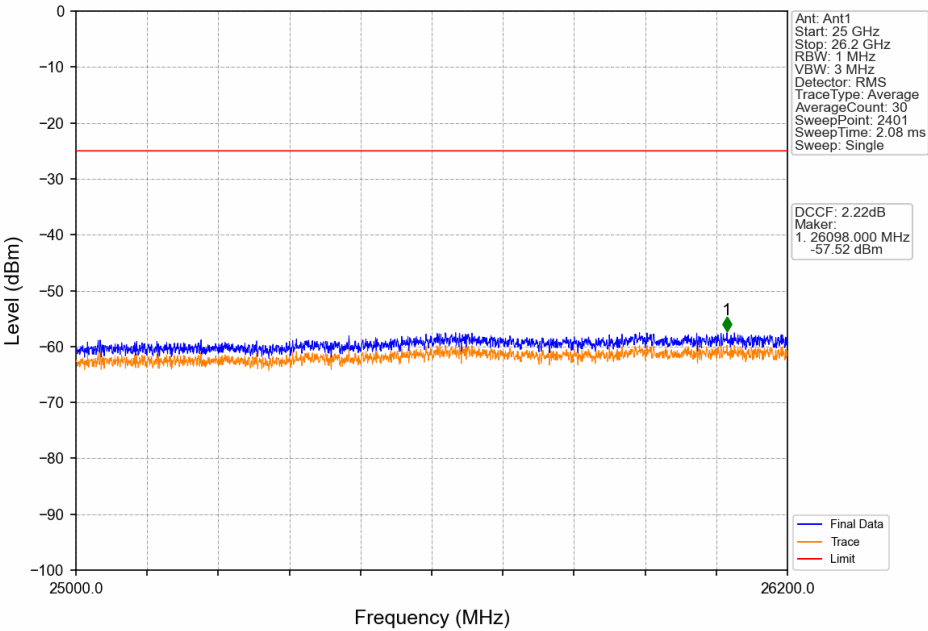
Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTV



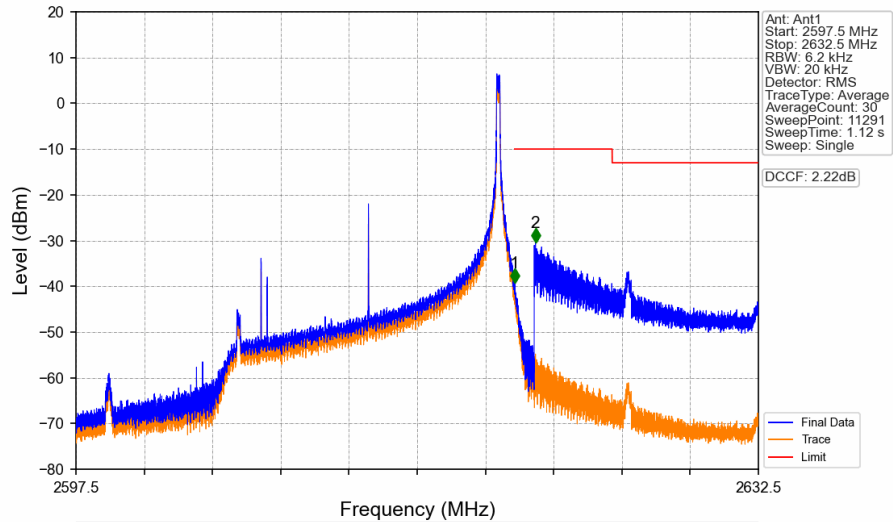
Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTV



Band38 15MHz QPSK HCH 2612.5MHz RB 1 0 NTNV

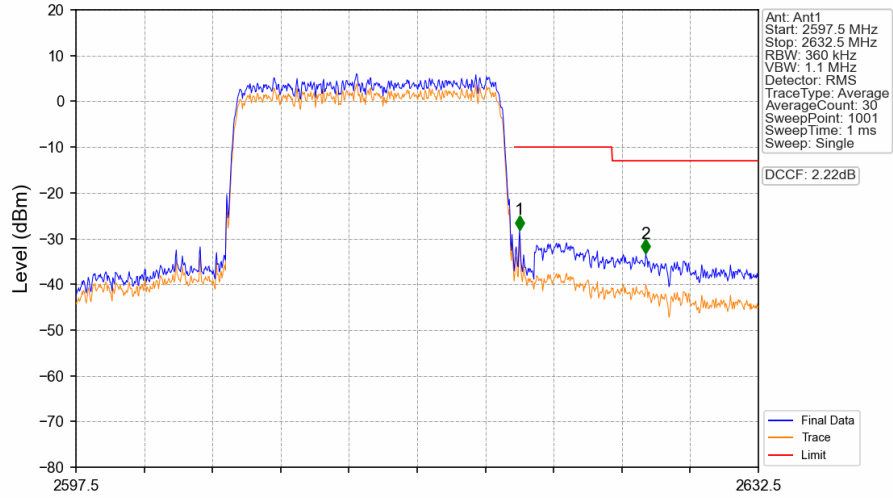


Band38 15MHz QPSK HCH 2612.5MHz RB 1 74 NTNV



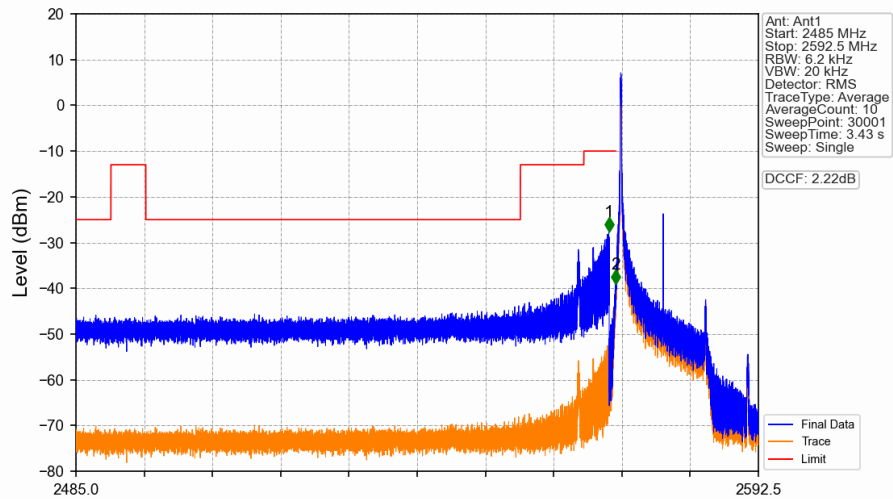
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.0062	0	1	2620.000	-39.22	-10	Pass
2620	2621	0.0062	0	1	2620.000	-39.22	-10	Pass
2621	2632.5	1	22.08	2	2621.067	-30.50	-10	Pass

Band38 15MHz QPSK HCH 2612.5MHz RB 75 0 NTNV



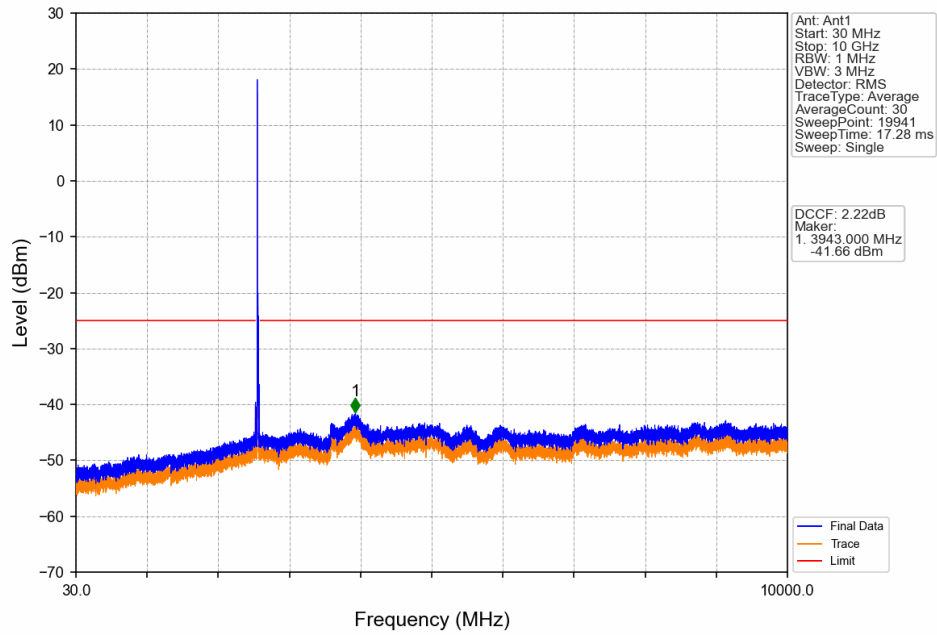
Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.36	0	/	/	/	/	/
2620	2621	0.36	0	1	2620.250	-28.06	-10	Pass
2621	2632.5	1	4.44	2	2626.725	-33.33	-13	Pass

Band38 15MHz 16QAM LCH 2577.5MHz RB 1 0 NTNV

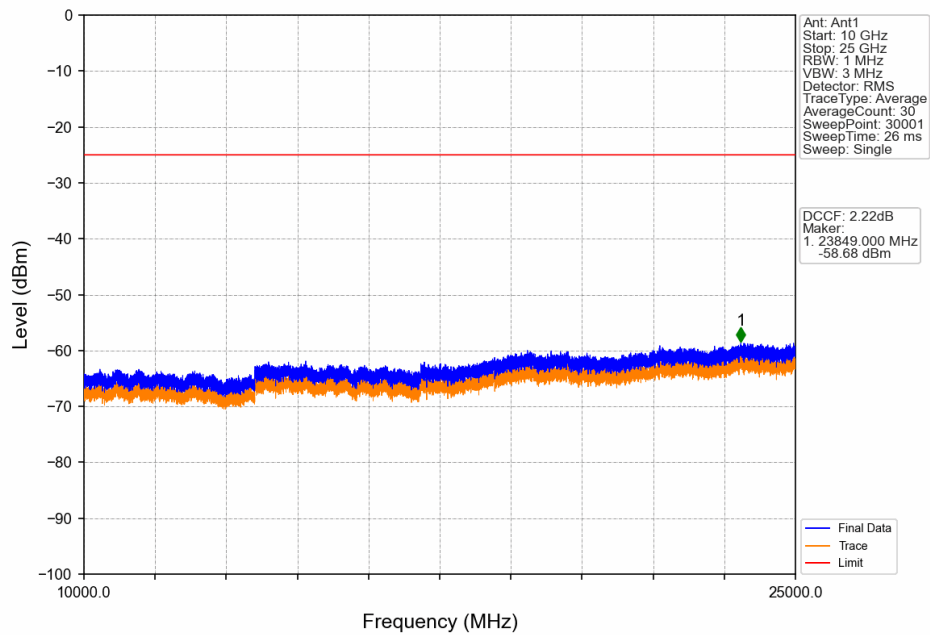


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	22.08	1	2568.932	-27.69	-10	Pass
2569	2570	0.0062	0	2	2569.982	-39.15	-10	Pass
2570	2592.5	0.0062	0	/	/	/	/	/

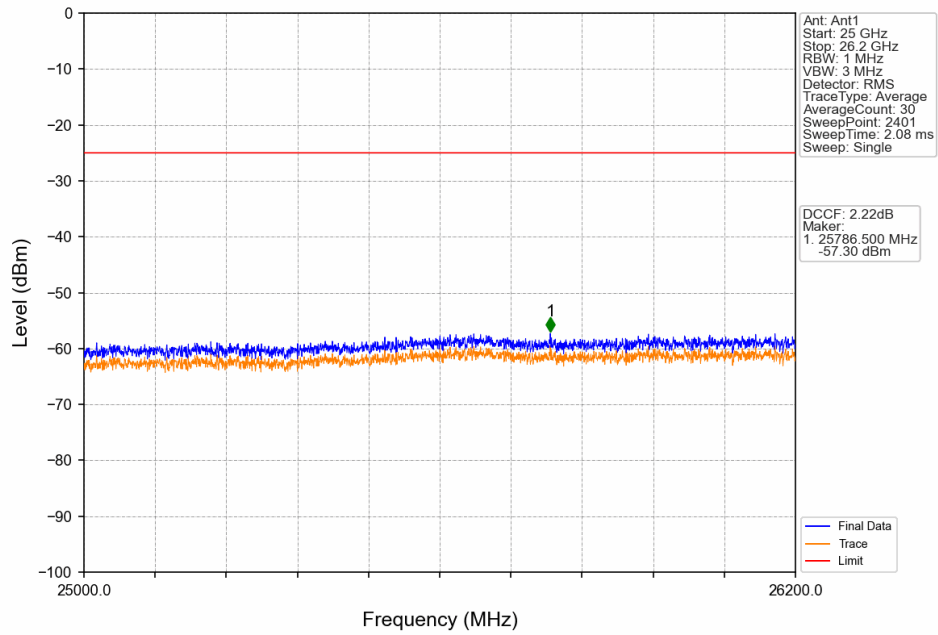
Band38 15MHz 16QAM LCH 2577.5MHz RB 1 0 NTNV



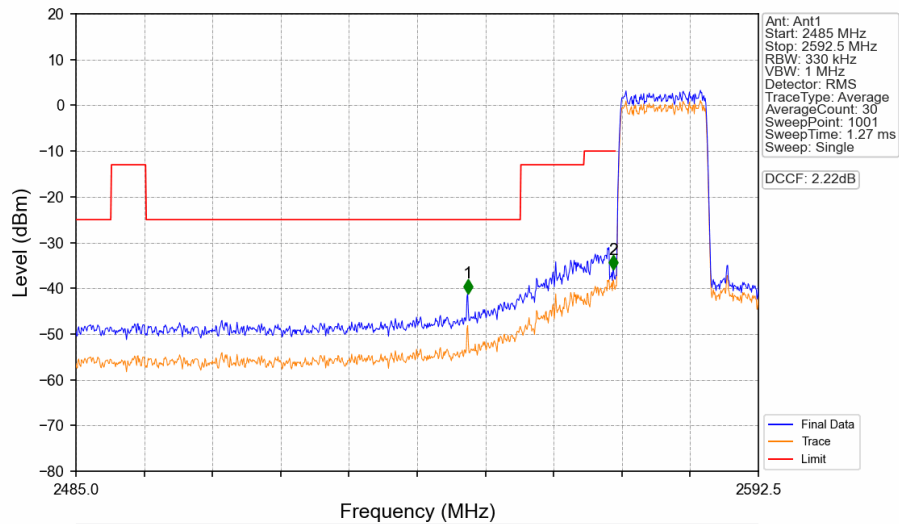
Band38 15MHz 16QAM LCH 2577.5MHz RB 1 0 NTNV



Band38 15MHz 16QAM LCH 2577.5MHz RB 1 0 NTNV

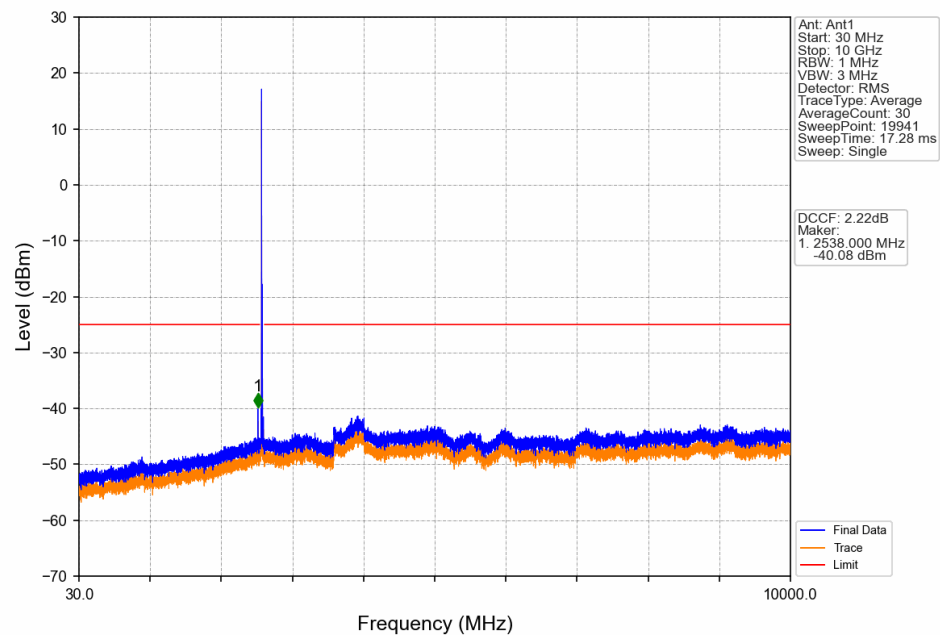


Band38 15MHz 16QAM LCH 2577.5MHz RB 75 0 NTNV

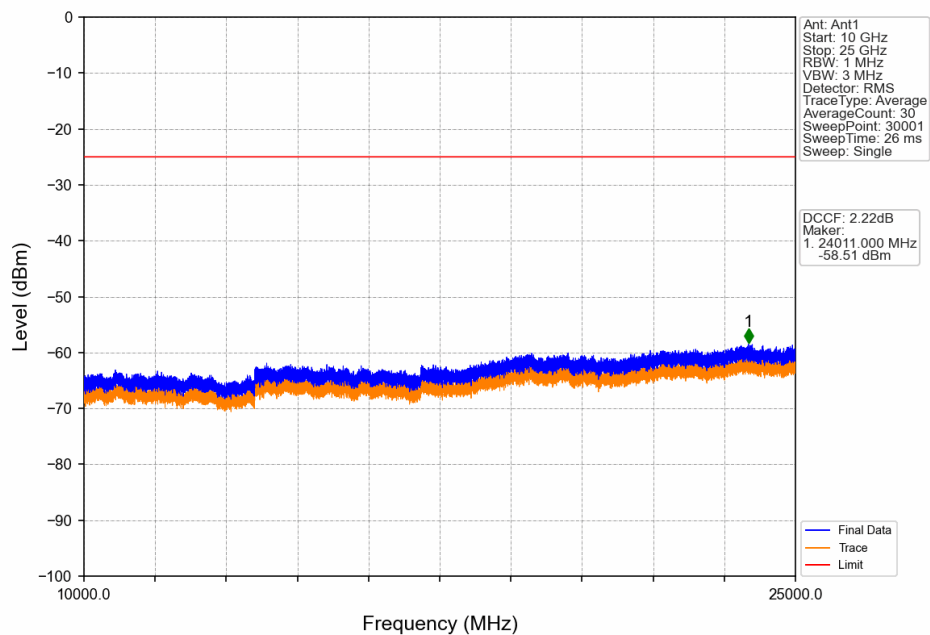


Start (MHz)	Stop (MHz)	RBW (MHz)	RBW Factor(dB)	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	4.81	1	2546.705	-41.11	-25	Pass
2569	2570	0.33	0	2	2569.602	-35.92	-10	Pass
2570	2592.5	0.33	0	/	/	/	/	/

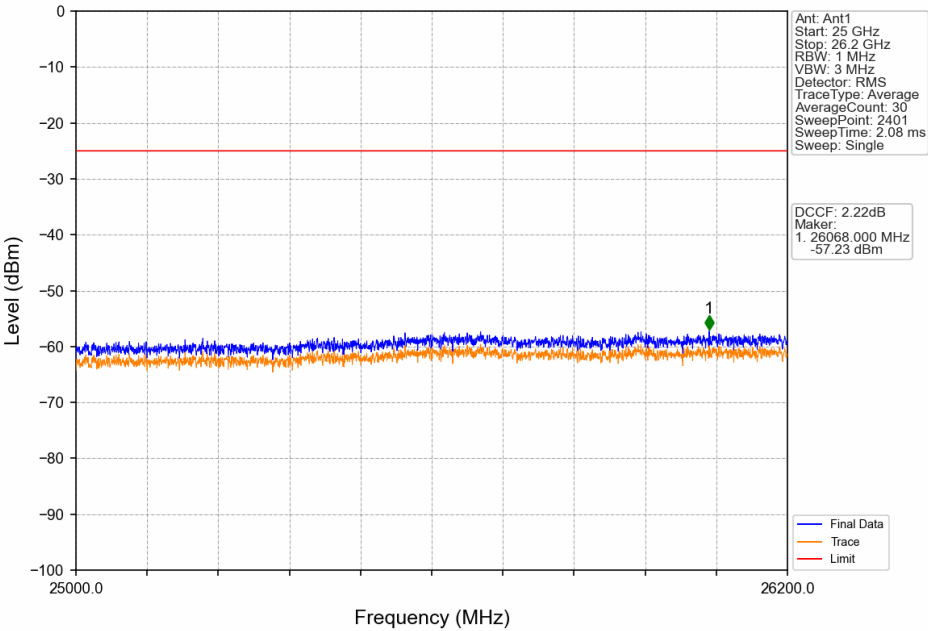
Band38 15MHz 16QAM MCH 2595MHz RB 1 0 NTNV



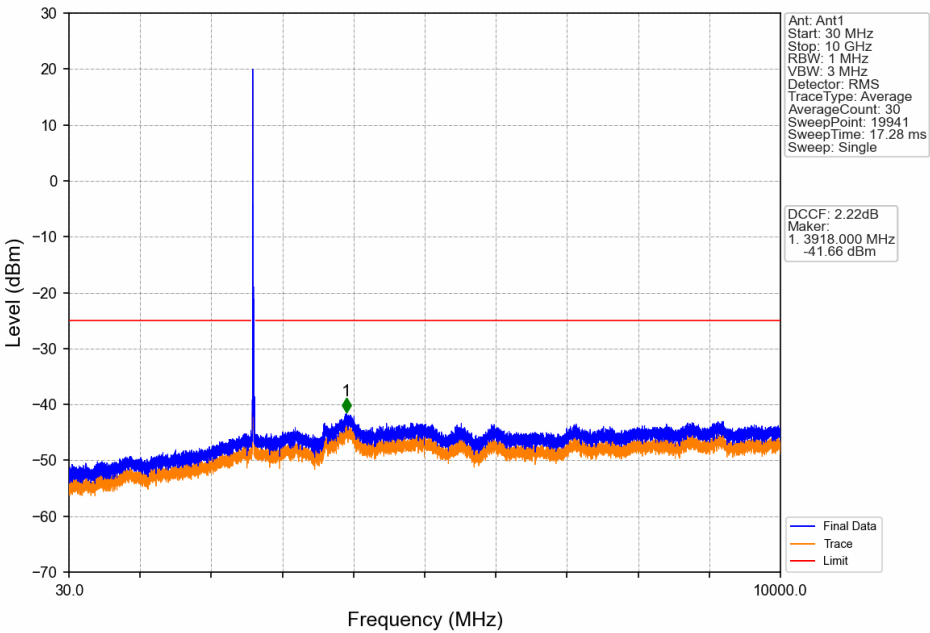
Band38 15MHz 16QAM MCH 2595MHz RB 1 0 NTNV



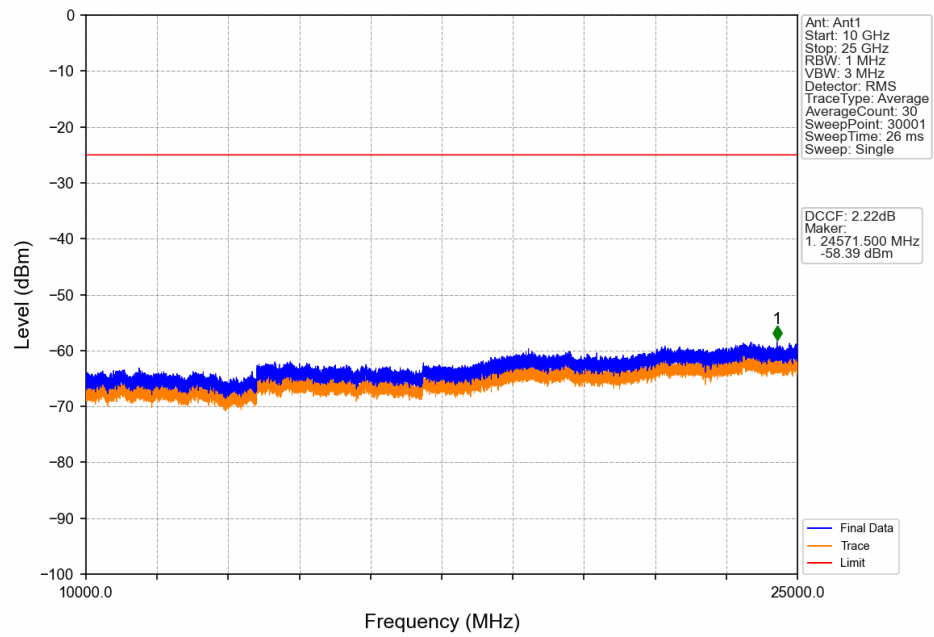
Band38 15MHz 16QAM MCH 2595MHz RB 1 0 NTNV



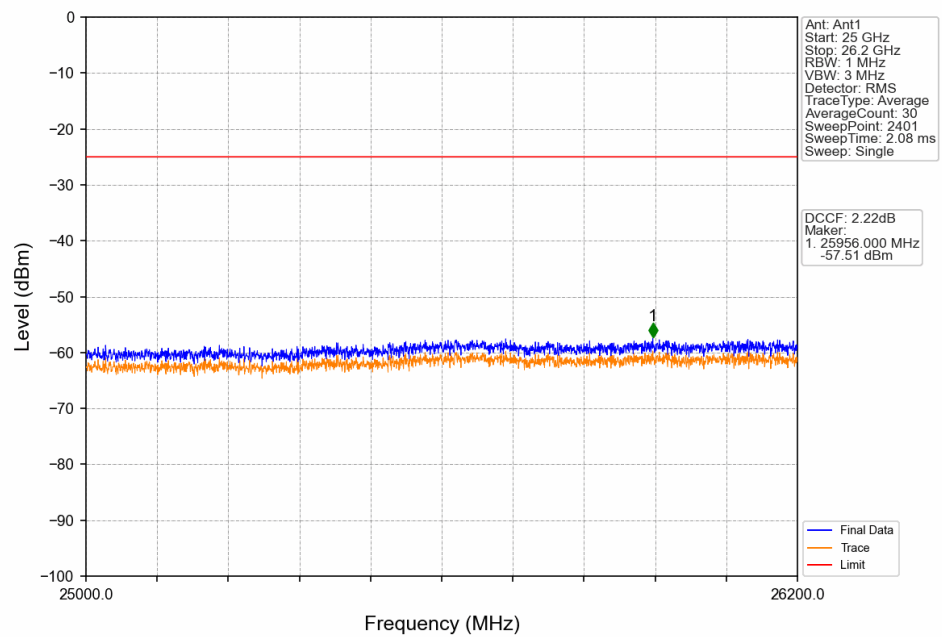
Band38 15MHz 16QAM HCH 2612.5MHz RB 1 0 NTNV



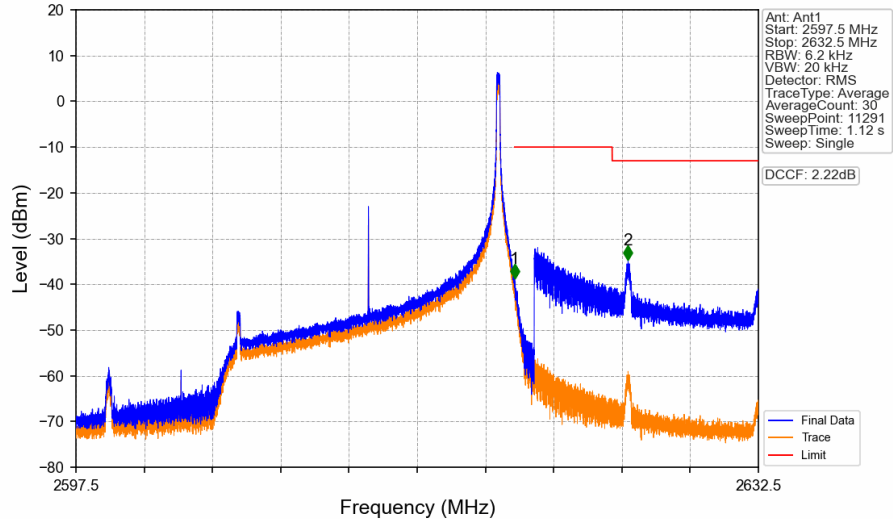
Band38 15MHz 16QAM HCH 2612.5MHz RB 1 0 NTNV



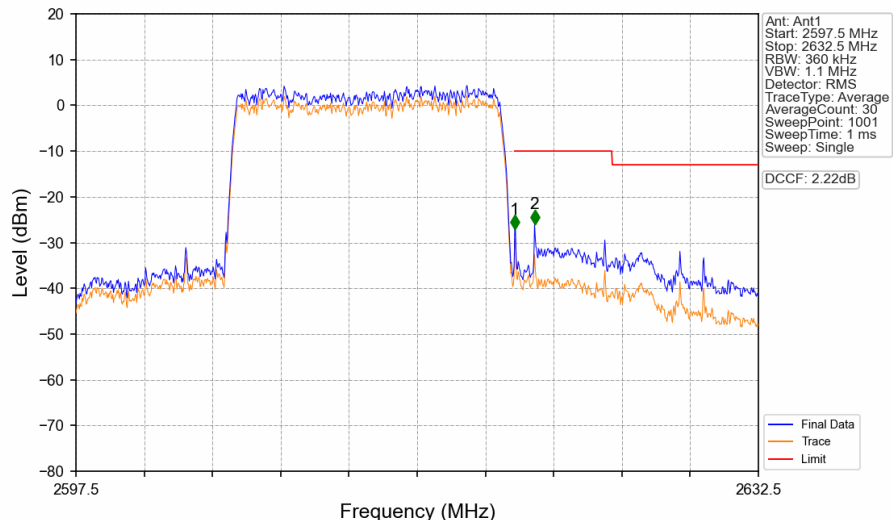
Band38 15MHz 16QAM HCH 2612.5MHz RB 1 0 NTNV



Band38 15MHz 16QAM HCH 2612.5MHz RB 1 74 NTNV



Band38 15MHz 16QAM HCH 2612.5MHz RB 75 0 NTNV

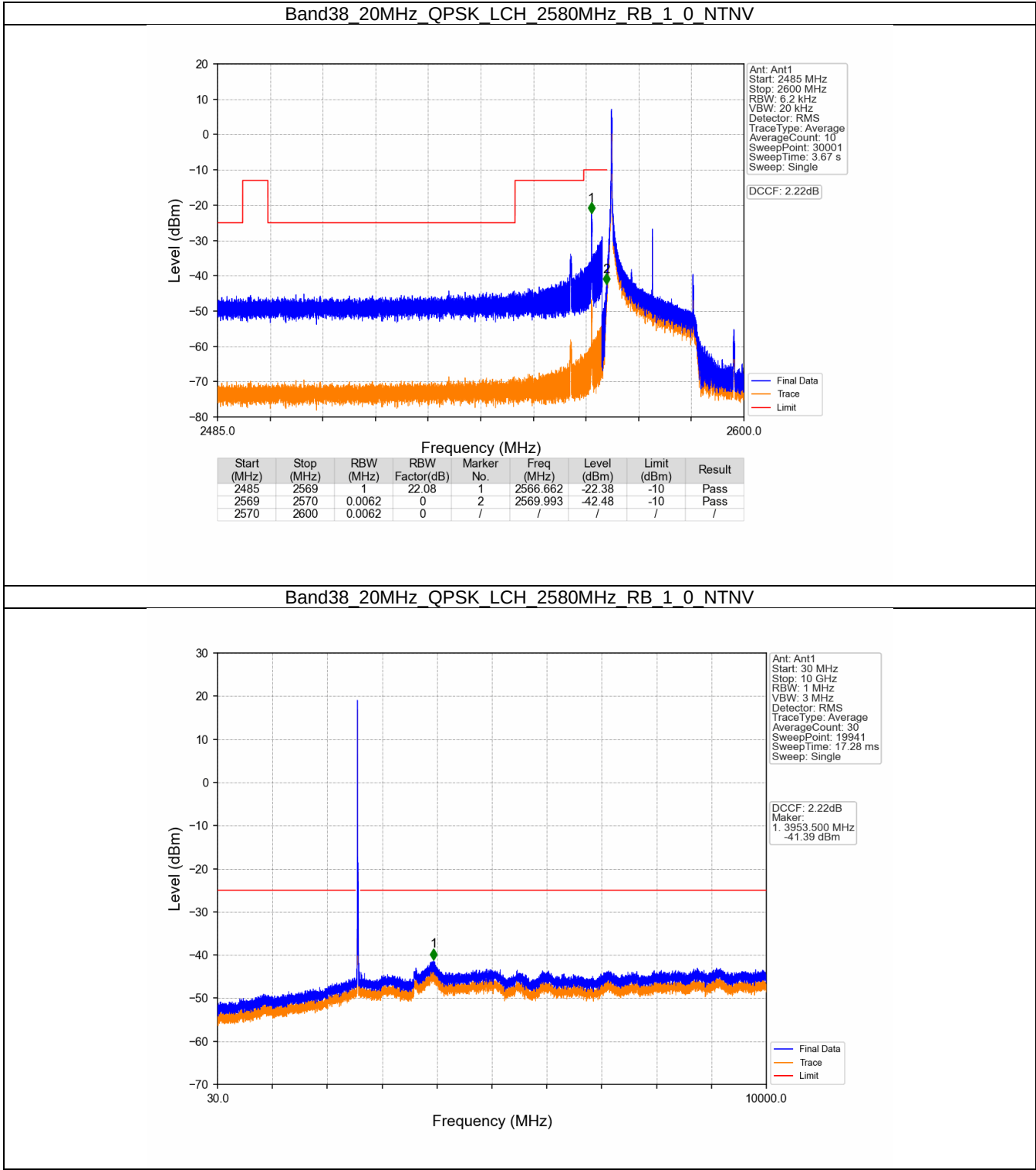


2.4 B38_20MHz

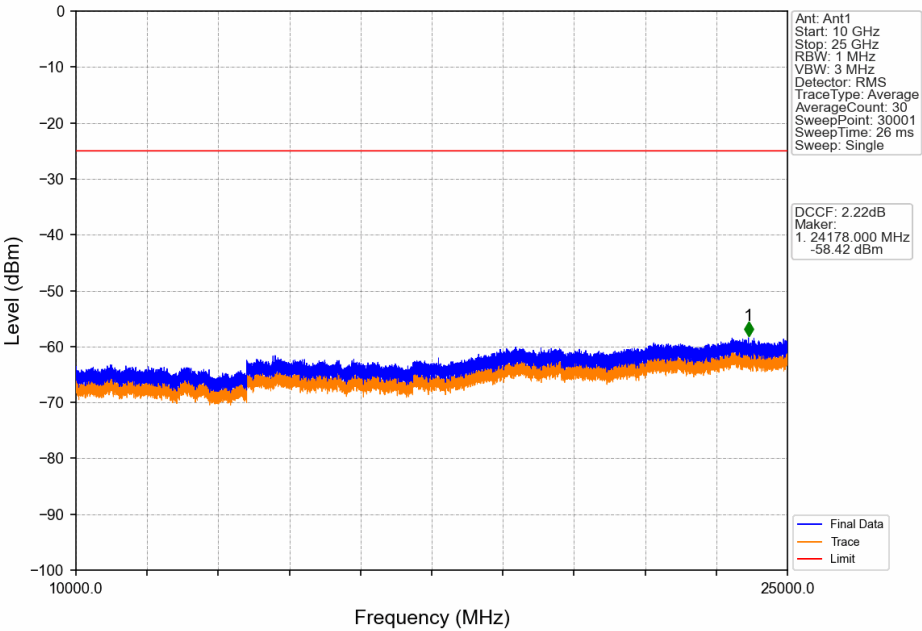
2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTVN						
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
16QAM	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

2.4.2 Test Graph



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN



Band38 20MHz QPSK LCH 2580MHz RB 1 0 NTN

