

1. Effective (Isotropic) Radiated Power Output Data

1.1 B26c_15MHz_ERP

1.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	821.5	1	0	23.88	-3.70	18.03	<=38.45	Pass		
			38	24.00	-3.70	18.15	<=38.45	Pass		
			74	23.98	-3.70	18.13	<=38.45	Pass		
		36	0	22.97	-3.70	17.12	<=38.45	Pass		
			18	23.06	-3.70	17.21	<=38.45	Pass		
			39	23.01	-3.70	17.16	<=38.45	Pass		
		75	0	23.03	-3.70	17.18	<=38.45	Pass		
		831.5	1	0	23.91	-3.70	18.06	<=38.45	Pass	
				38	24.00	-3.70	18.15	<=38.45	Pass	
	74			23.86	-3.70	18.01	<=38.45	Pass		
	36		0	22.98	-3.70	17.13	<=38.45	Pass		
			18	23.05	-3.70	17.20	<=38.45	Pass		
			39	22.99	-3.70	17.14	<=38.45	Pass		
	75		0	23.01	-3.70	17.16	<=38.45	Pass		
	841.5		1	0	23.89	-3.70	18.04	<=38.45	Pass	
				38	23.91	-3.70	18.06	<=38.45	Pass	
		74		23.83	-3.70	17.98	<=38.45	Pass		
		36	0	22.87	-3.70	17.02	<=38.45	Pass		
			18	22.89	-3.70	17.04	<=38.45	Pass		
			39	22.78	-3.70	16.93	<=38.45	Pass		
		75	0	22.87	-3.70	17.02	<=38.45	Pass		
		16QAM	821.5	1	0	23.07	-3.70	17.22	<=38.45	Pass
					38	23.33	-3.70	17.48	<=38.45	Pass
	74				23.20	-3.70	17.35	<=38.45	Pass	
36	0			21.91	-3.70	16.06	<=38.45	Pass		
	18			22.00	-3.70	16.15	<=38.45	Pass		
	39			22.02	-3.70	16.17	<=38.45	Pass		
75	0			21.96	-3.70	16.11	<=38.45	Pass		
831.5	1			0	23.05	-3.70	17.20	<=38.45	Pass	
				38	23.10	-3.70	17.25	<=38.45	Pass	
			74	22.96	-3.70	17.11	<=38.45	Pass		
	36		0	21.94	-3.70	16.09	<=38.45	Pass		
			18	22.00	-3.70	16.15	<=38.45	Pass		
			39	21.92	-3.70	16.07	<=38.45	Pass		
	75		0	21.97	-3.70	16.12	<=38.45	Pass		
	841.5		1	0	23.26	-3.70	17.41	<=38.45	Pass	
				38	23.38	-3.70	17.53	<=38.45	Pass	
74				23.24	-3.70	17.39	<=38.45	Pass		
36			0	21.91	-3.70	16.06	<=38.45	Pass		
			18	21.92	-3.70	16.07	<=38.45	Pass		
			39	21.77	-3.70	15.92	<=38.45	Pass		
75			0	21.88	-3.70	16.03	<=38.45	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B26c_15MHz

2.1.1 Test Result

Band: 26c / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	821.5	75	0	20	3.27	-3.076	-0.0037	-2.5 to 2.5	Pass	
					3.85	-3.104	-0.0038	-2.5 to 2.5	Pass	
					4.43	-3.920	-0.0048	-2.5 to 2.5	Pass	
				-30	3.85	-3.319	-0.0040	-2.5 to 2.5	Pass	
					-20	3.85	-2.904	-0.0035	-2.5 to 2.5	Pass
						3.85	-4.320	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-2.632	-0.0032	-2.5 to 2.5	Pass	
					10	3.85	-4.263	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-2.360	-0.0029	-2.5 to 2.5	Pass	
	40	3.85	-5.393	-0.0066	-2.5 to 2.5	Pass				
	50	3.85	-2.975	-0.0036	-2.5 to 2.5	Pass				
	831.5	75	0	20	3.27	-1.616	-0.0019	-2.5 to 2.5	Pass	
					3.85	-3.819	-0.0046	-2.5 to 2.5	Pass	
					4.43	-0.458	-0.0006	-2.5 to 2.5	Pass	
				-30	3.85	-2.546	-0.0031	-2.5 to 2.5	Pass	
					-20	3.85	-1.931	-0.0023	-2.5 to 2.5	Pass
						3.85	-2.975	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-2.804	-0.0034	-2.5 to 2.5	Pass	
					10	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-2.289	-0.0028	-2.5 to 2.5	Pass	
	40	3.85	-4.048	-0.0049	-2.5 to 2.5	Pass				
	50	3.85	-3.061	-0.0037	-2.5 to 2.5	Pass				
	841.5	75	0	20	3.27	-3.476	-0.0041	-2.5 to 2.5	Pass	
					3.85	-2.403	-0.0029	-2.5 to 2.5	Pass	
					4.43	-2.518	-0.0030	-2.5 to 2.5	Pass	
				-30	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass	
					-20	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
3.85						-2.890	-0.0034	-2.5 to 2.5	Pass	
0				3.85	-1.845	-0.0022	-2.5 to 2.5	Pass		
				10	3.85	-1.001	-0.0012	-2.5 to 2.5	Pass	
30				3.85	-3.133	-0.0037	-2.5 to 2.5	Pass		
40	3.85	-3.676	-0.0044	-2.5 to 2.5	Pass					
50	3.85	-2.975	-0.0035	-2.5 to 2.5	Pass					
16QAM	821.5	75	0	20	3.27	-1.416	-0.0017	-2.5 to 2.5	Pass	
					3.85	-1.774	-0.0022	-2.5 to 2.5	Pass	
					4.43	-4.234	-0.0052	-2.5 to 2.5	Pass	
				-30	3.85	-2.947	-0.0036	-2.5 to 2.5	Pass	
					-20	3.85	-2.704	-0.0033	-2.5 to 2.5	Pass
						3.85	-3.061	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-2.232	-0.0027	-2.5 to 2.5	Pass	
					10	3.85	-3.376	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-4.492	-0.0055	-2.5 to 2.5	Pass	
	40	3.85	-2.089	-0.0025	-2.5 to 2.5	Pass				
	50	3.85	-3.333	-0.0041	-2.5 to 2.5	Pass				
	831.5	75	0	20	3.27	-1.974	-0.0024	-2.5 to 2.5	Pass	
					3.85	-3.505	-0.0042	-2.5 to 2.5	Pass	
					4.43	-2.675	-0.0032	-2.5 to 2.5	Pass	
				-30	3.85	-1.674	-0.0020	-2.5 to 2.5	Pass	
					-20	3.85	-1.516	-0.0018	-2.5 to 2.5	Pass
						3.85	-1.702	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.632	-0.0032	-2.5 to 2.5	Pass	

				10	3.85	-1.888	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-1.802	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-1.616	-0.0019	-2.5 to 2.5	Pass
	841.5	75	0	20	3.27	-3.533	-0.0042	-2.5 to 2.5	Pass
					3.85	-2.203	-0.0026	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-1.745	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-2.732	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-2.861	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-2.160	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-2.432	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-3.104	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-3.333	-0.0040	-2.5 to 2.5	Pass

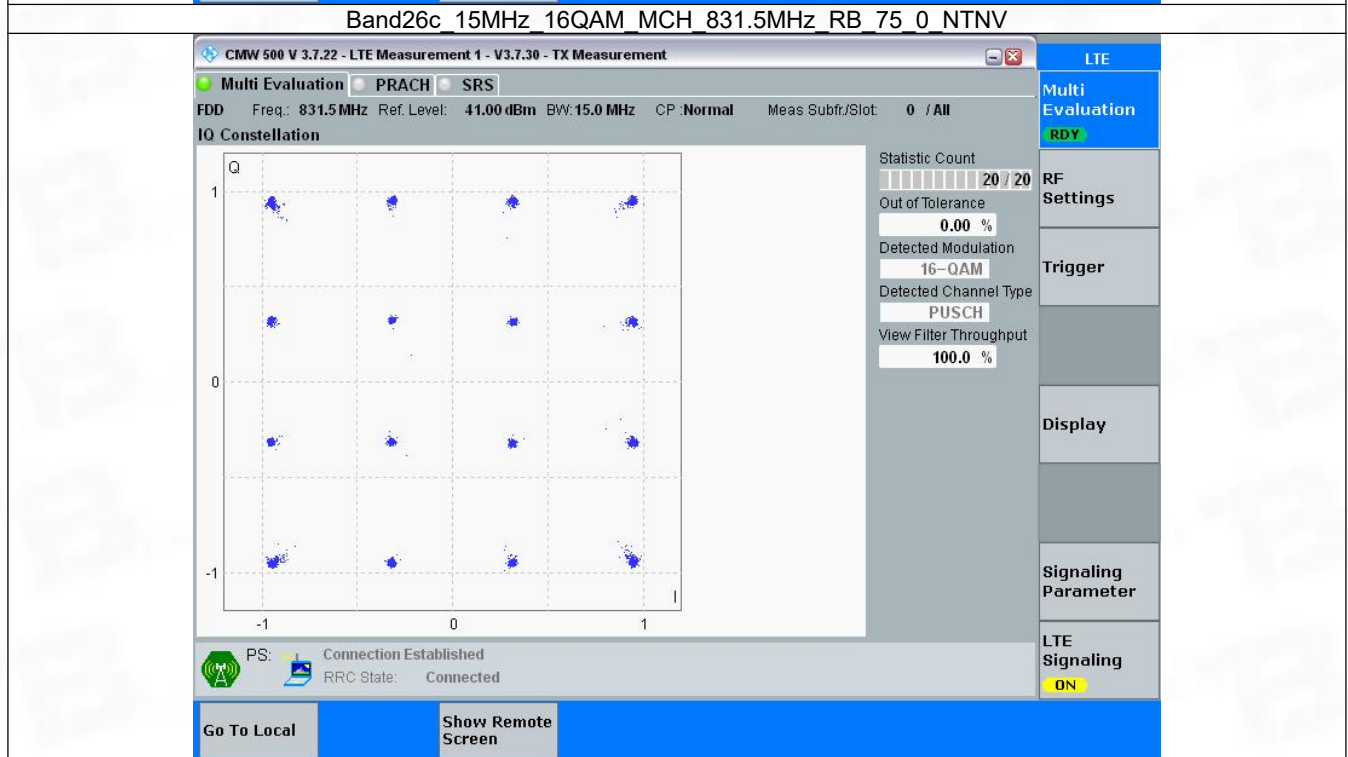
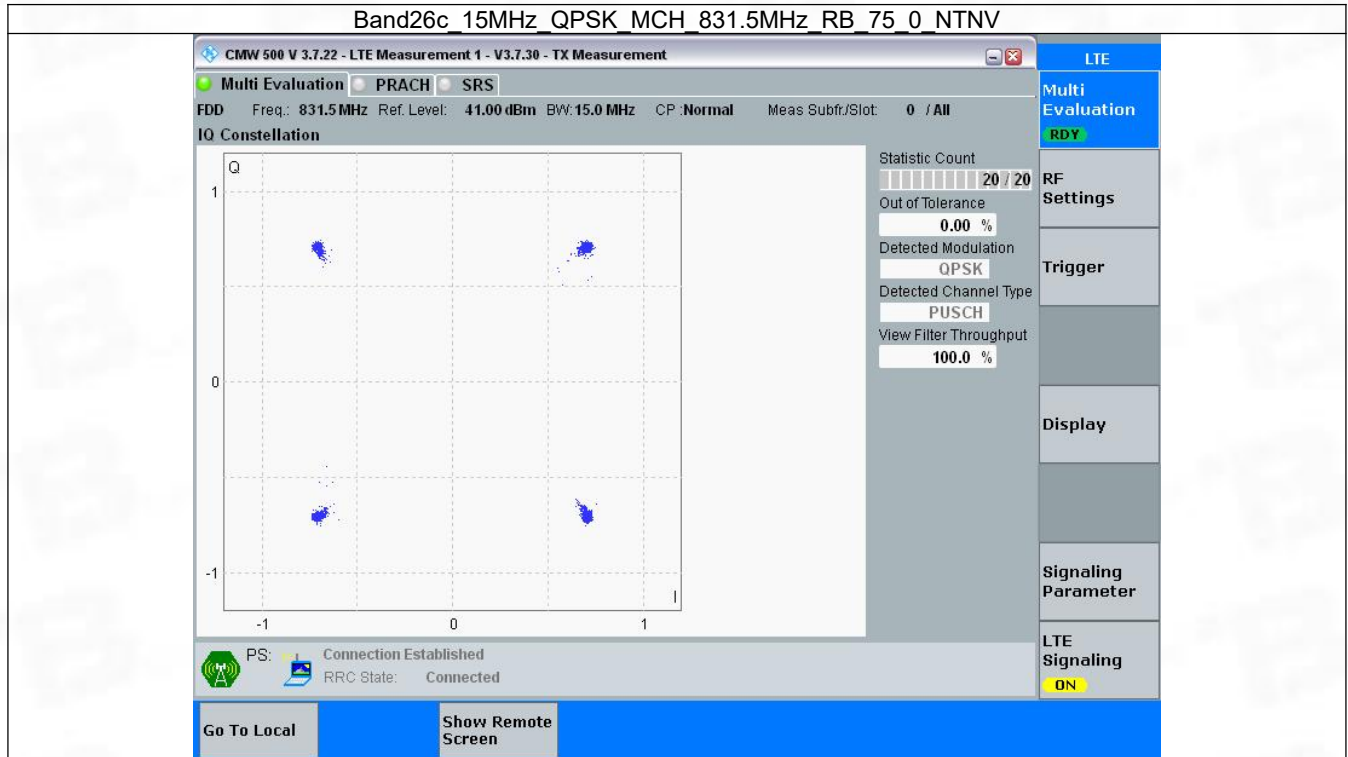
3. Modulation Characteristics

3.1 B26c_15MHz

3.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	831.5	75	0	Refer To Test Graph		Pass
16QAM	831.5	75	0	Refer To Test Graph		Pass

3.1.2 Test Graph



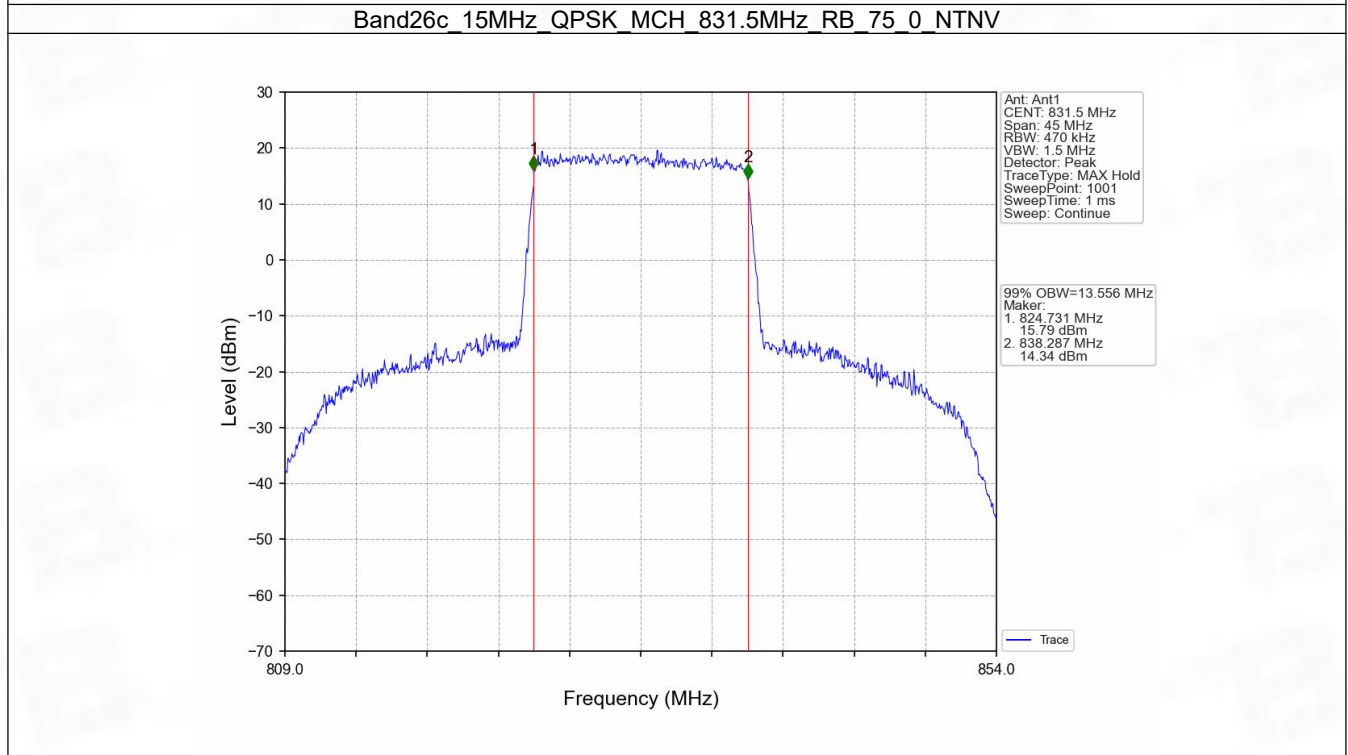
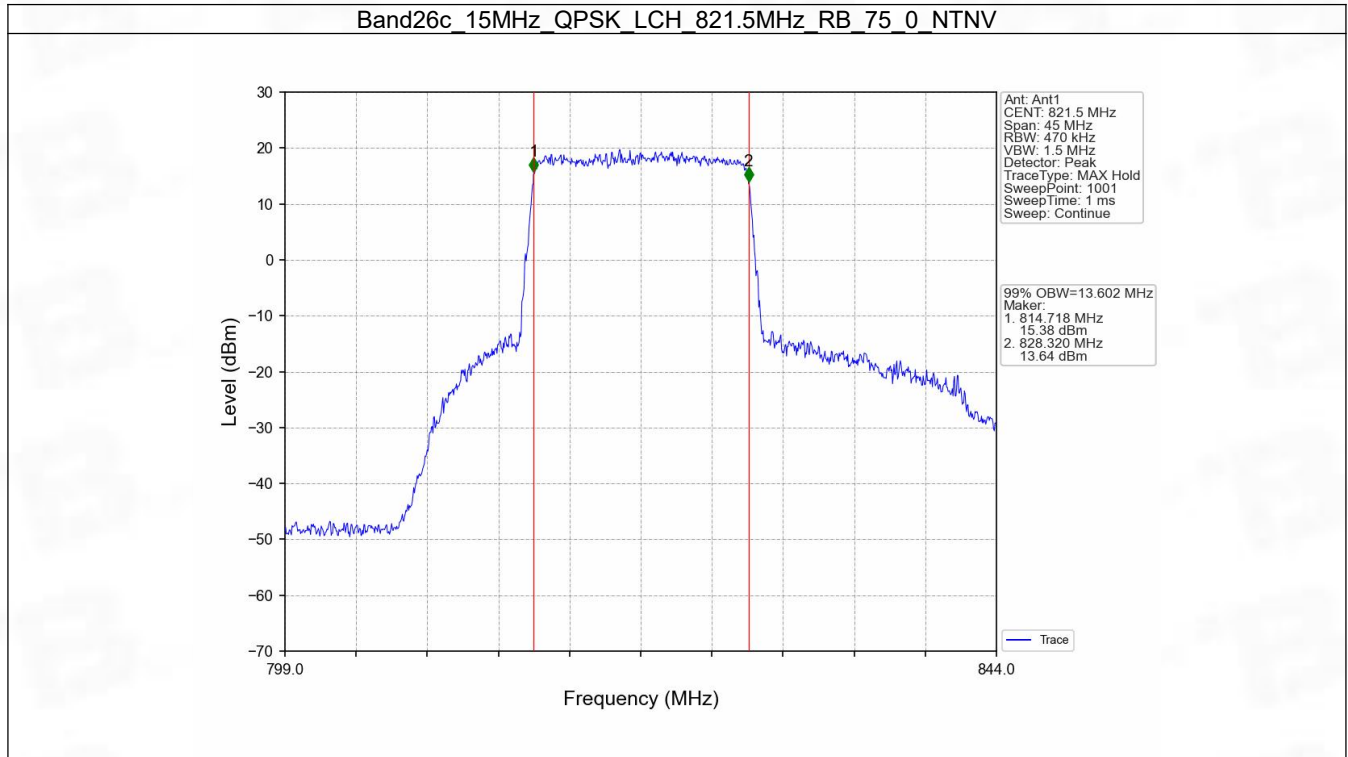
4. 99% & 26dB Bandwidth

4.1 Band26c_OBW

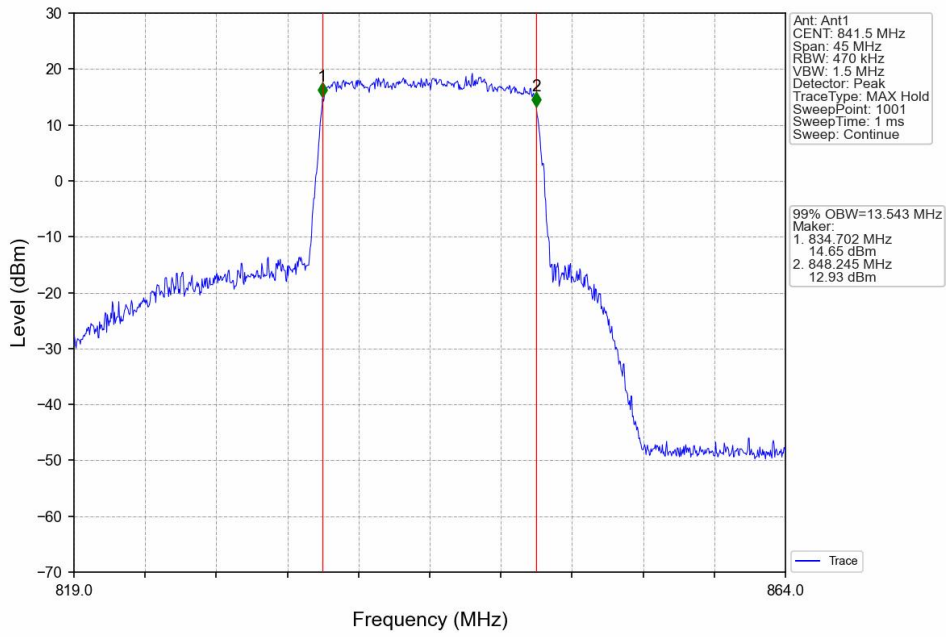
4.1.1 Test Result

Band: 26c / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
15	QPSK	821.5	75	0	13.602	/	Pass
		831.5	75	0	13.556	/	Pass
		841.5	75	0	13.543	/	Pass
	16QAM	821.5	75	0	13.578	/	Pass
		831.5	75	0	13.573	/	Pass
		841.5	75	0	13.529	/	Pass

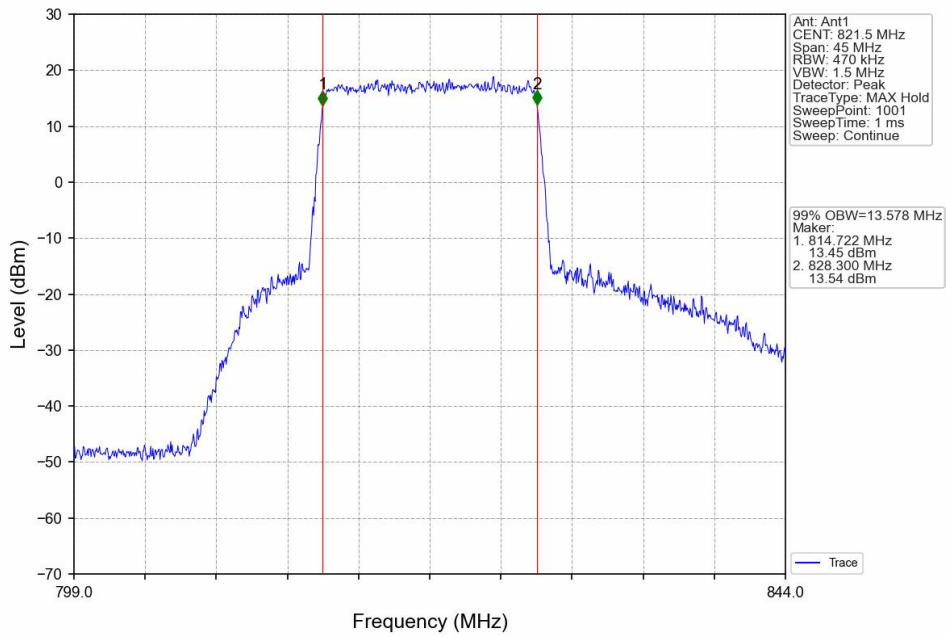
4.1.2 Test Graph



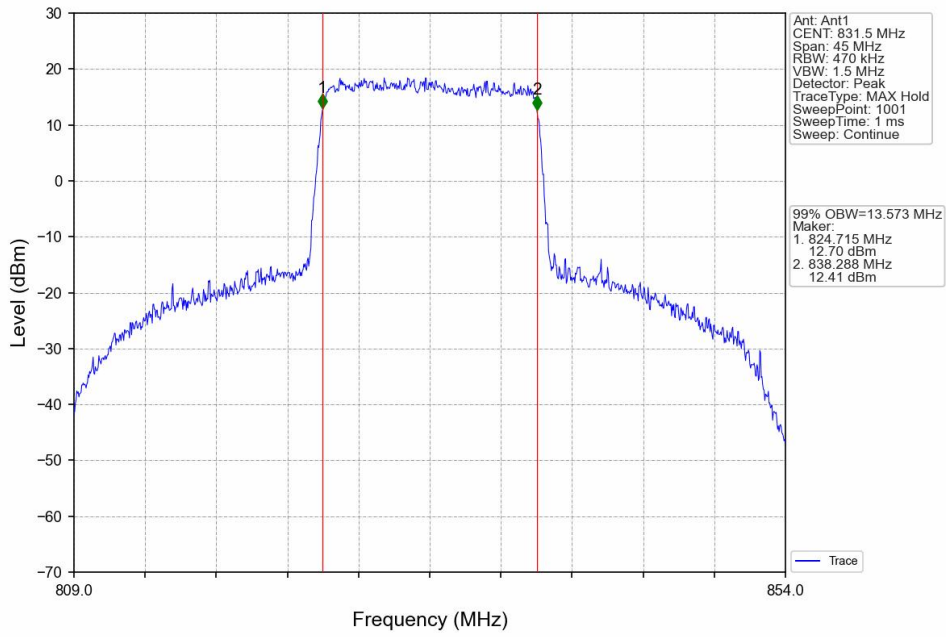
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



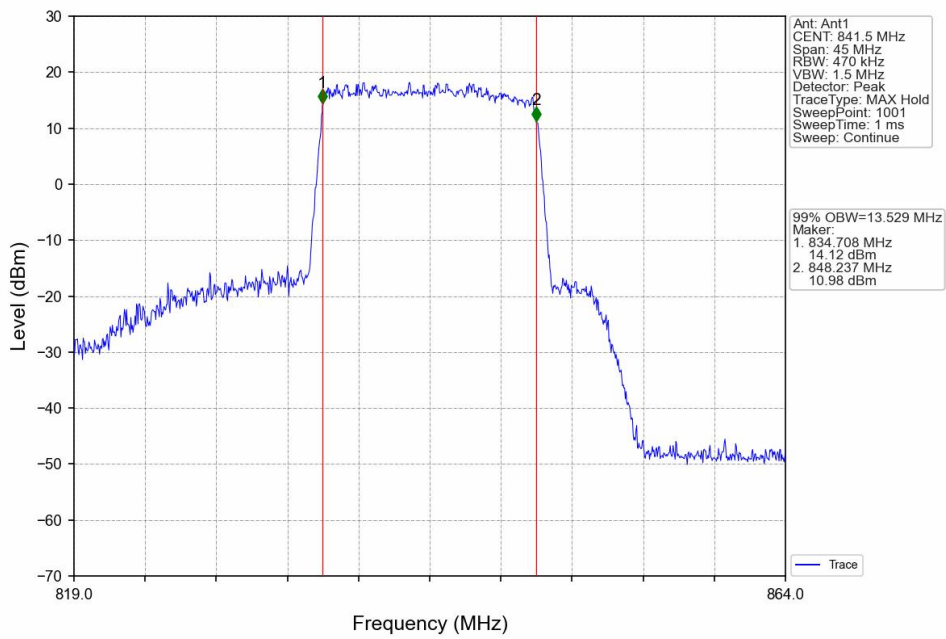
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_MCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_HCH_841.5MHz_RB_75_0_NTNV

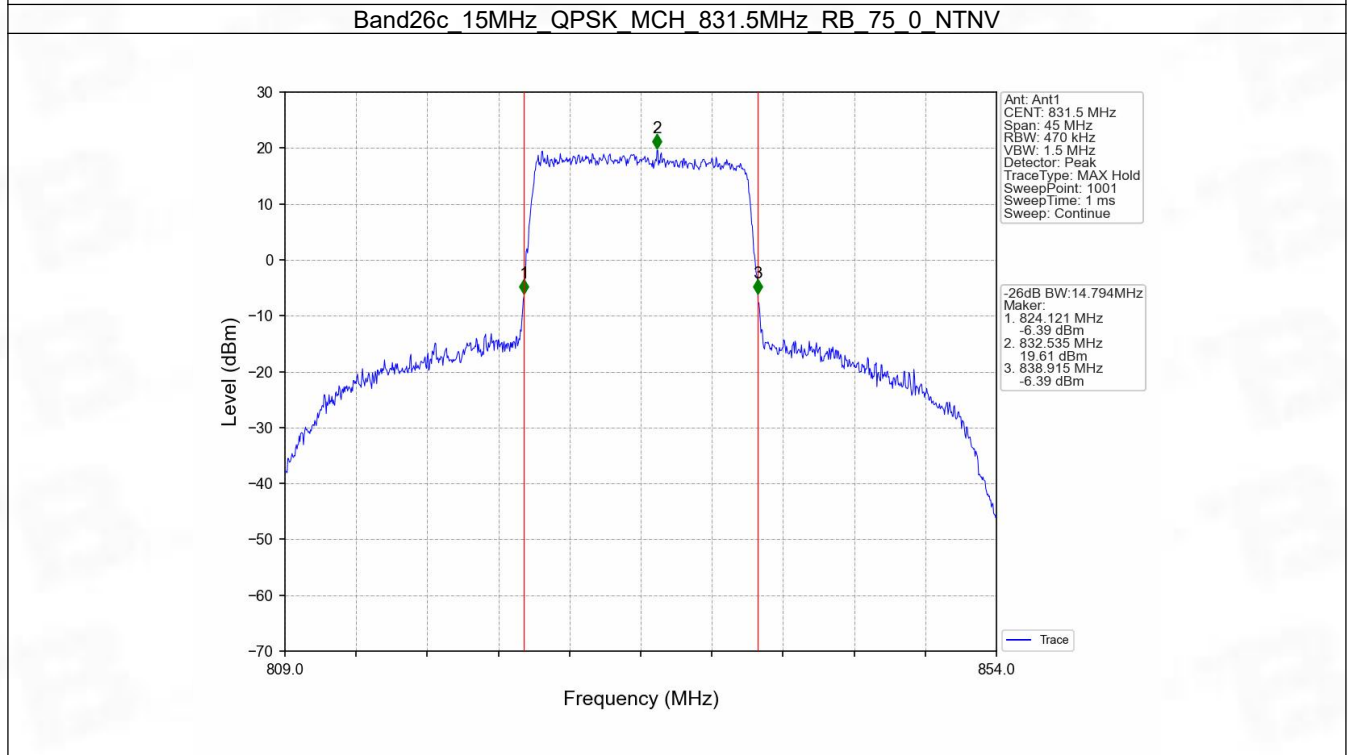
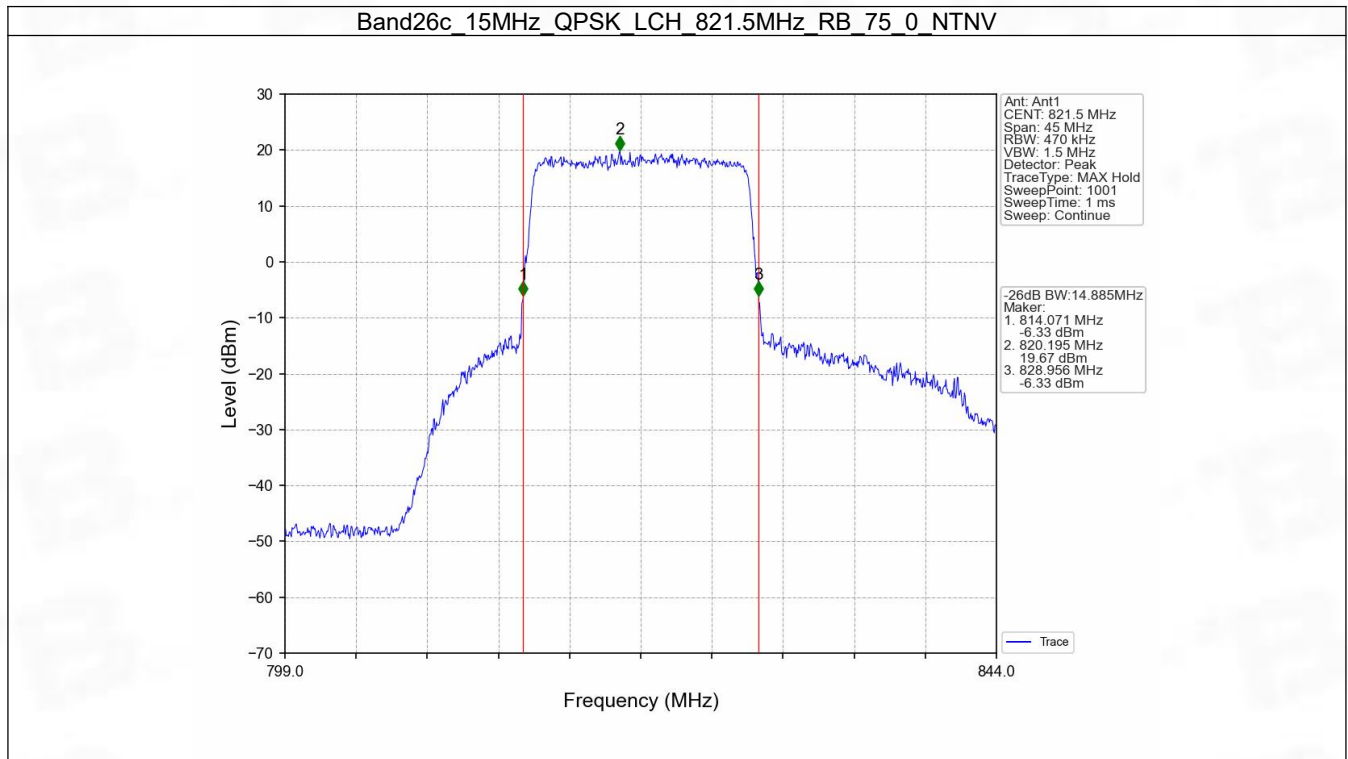


4.2 Band26c_XDB

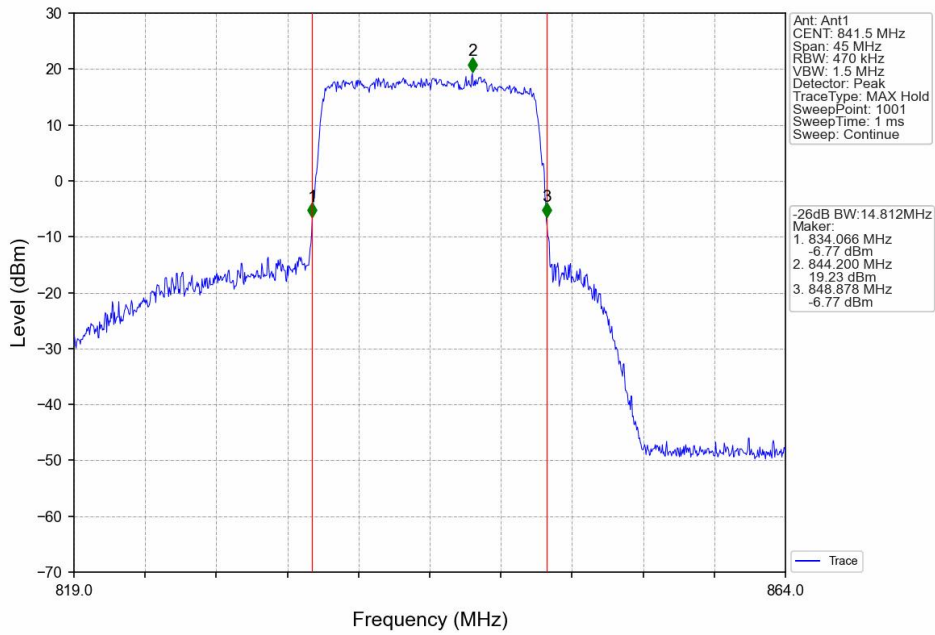
4.2.1 Test Result

Band: 26c / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
15	QPSK	821.5	75	0	14.885	/	Pass
		831.5	75	0	14.794	/	Pass
		841.5	75	0	14.812	/	Pass
	16QAM	821.5	75	0	14.896	/	Pass
		831.5	75	0	14.880	/	Pass
		841.5	75	0	14.845	/	Pass

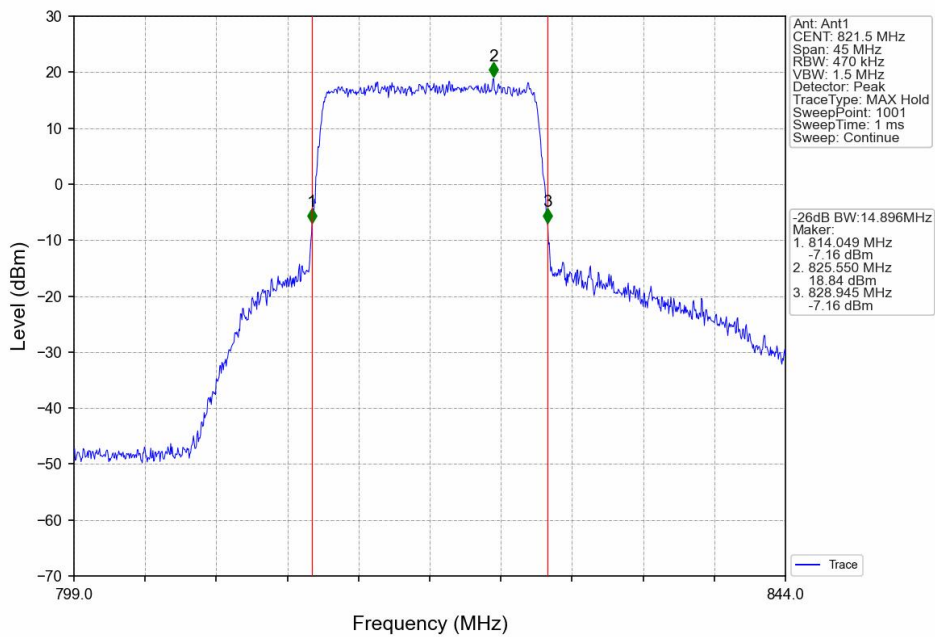
4.2.2 Test Graph



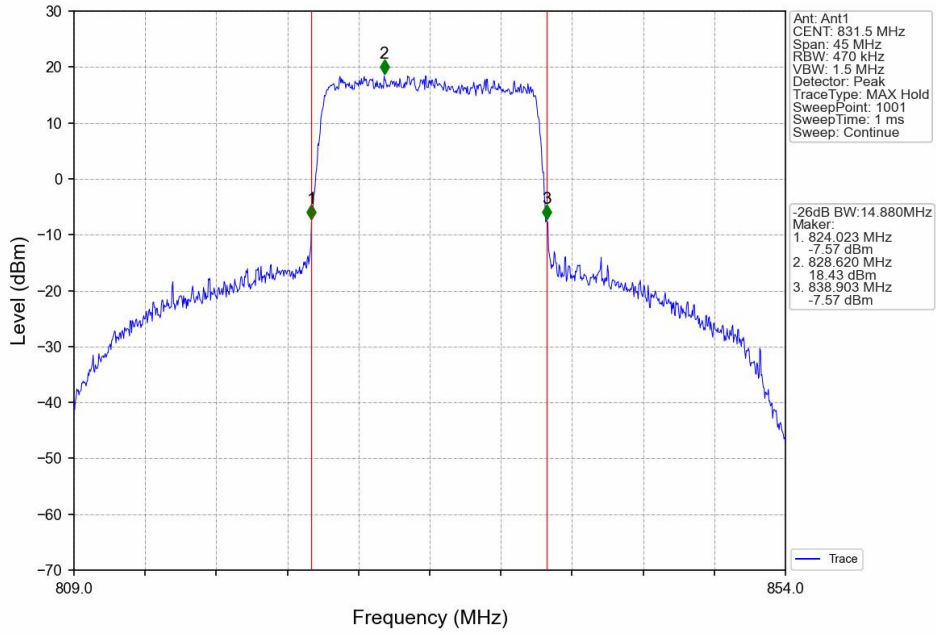
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



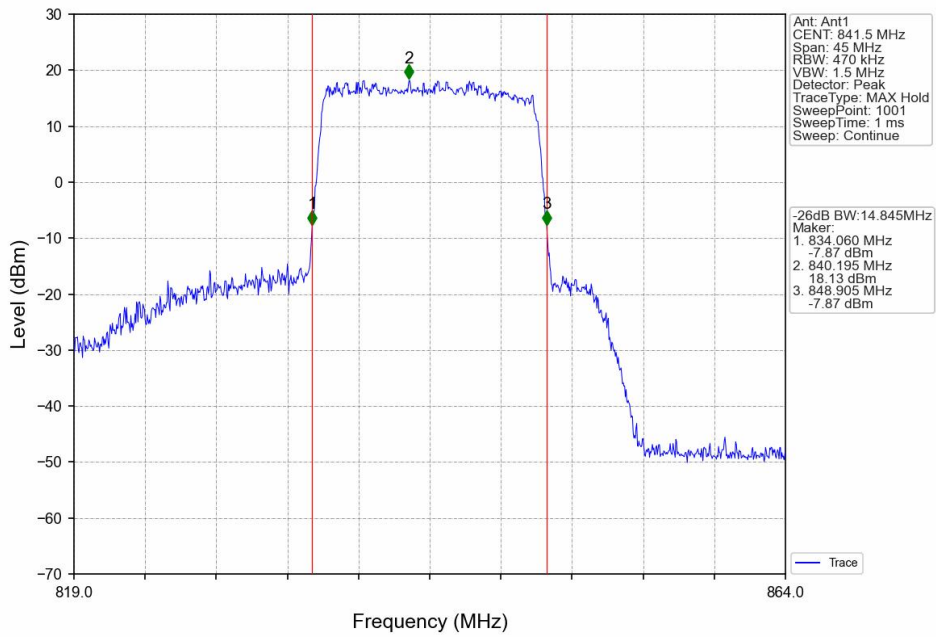
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_MCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_16QAM_HCH_841.5MHz_RB_75_0_NTNV



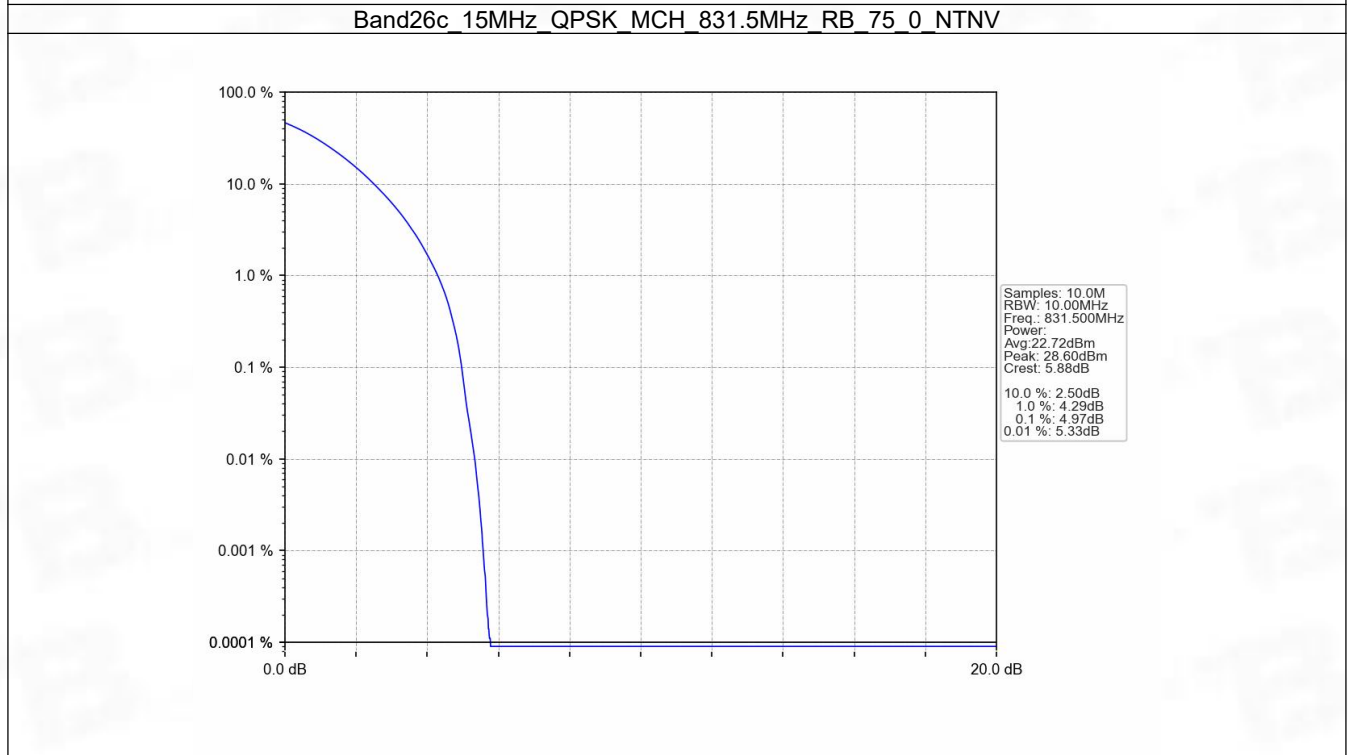
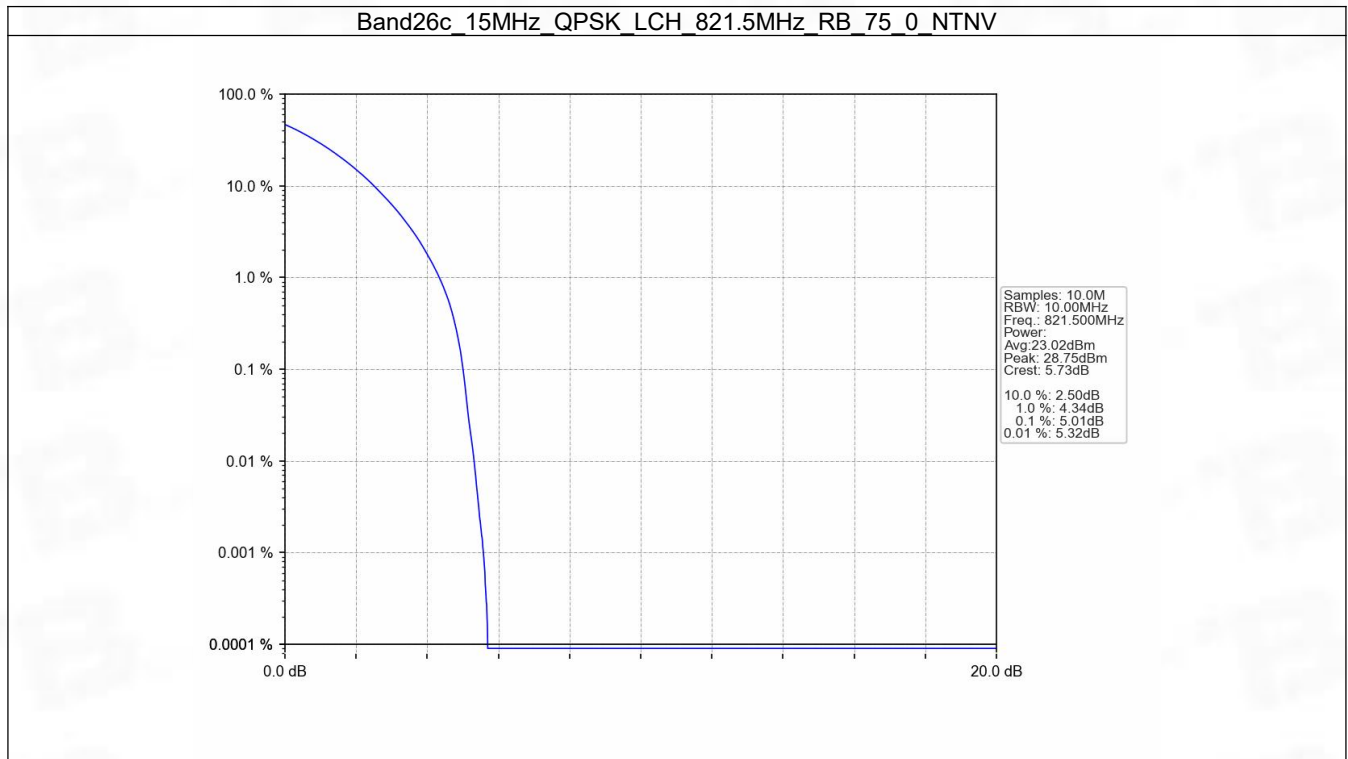
5. Peak-Average Ratio

5.1 B26c_15MHz

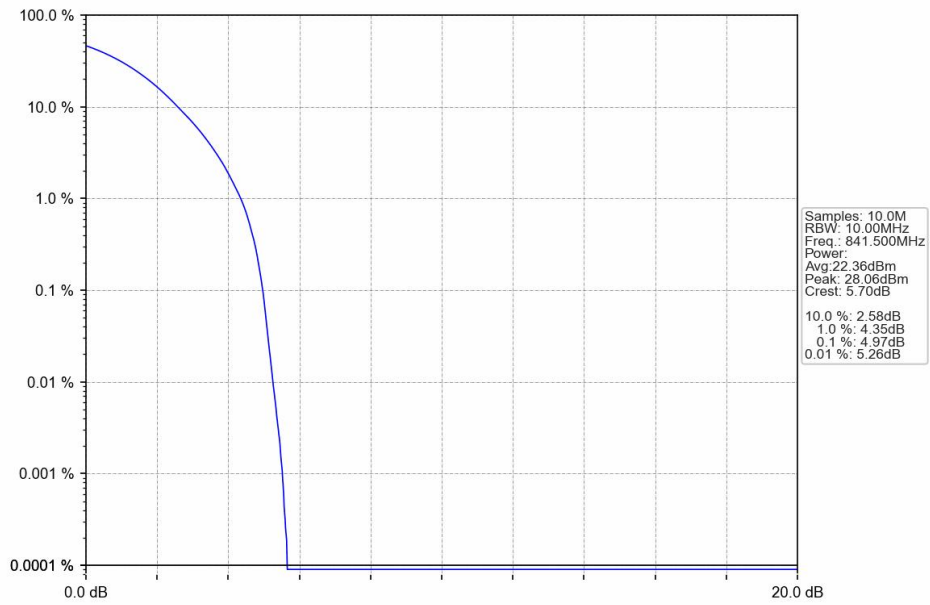
5.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	821.5	75	0	5.01	<=13	Pass
	831.5	75	0	4.97	<=13	Pass
	841.5	75	0	4.97	<=13	Pass
16QAM	821.5	75	0	5.84	<=13	Pass
	831.5	75	0	5.79	<=13	Pass
	841.5	75	0	5.88	<=13	Pass

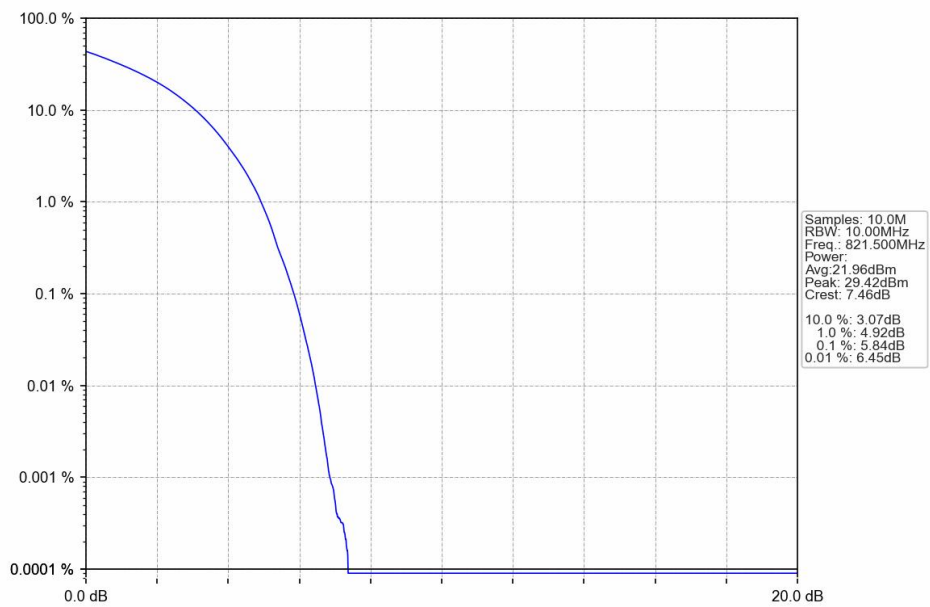
5.1.2 Test Graph



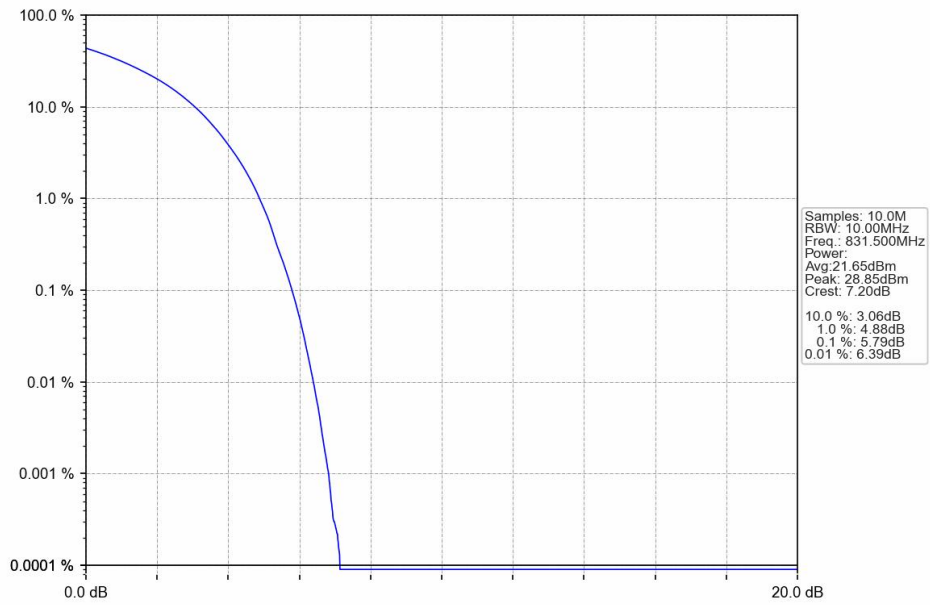
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



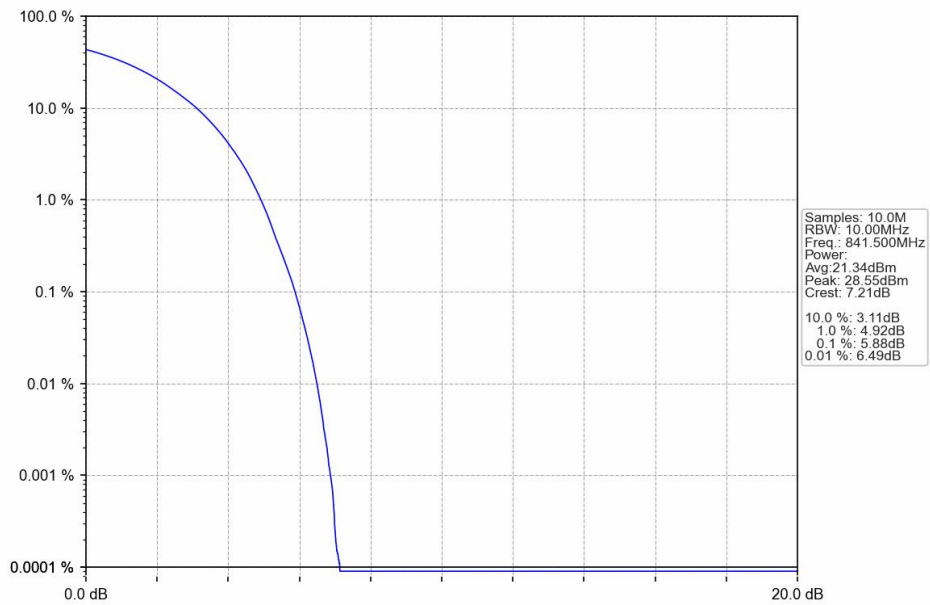
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



Band26c 15MHz 16QAM MCH 831.5MHz RB 75 0 NTN



Band26c 15MHz 16QAM HCH 841.5MHz RB 75 0 NTN



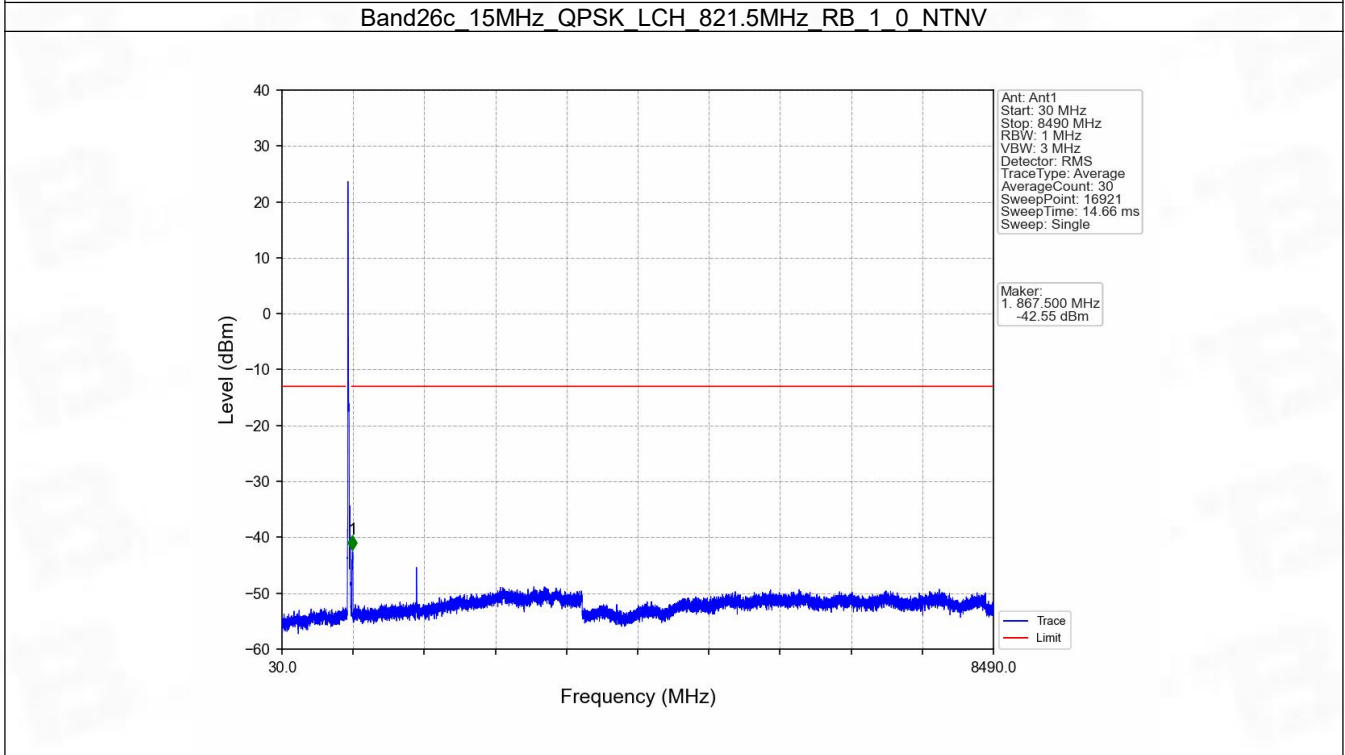
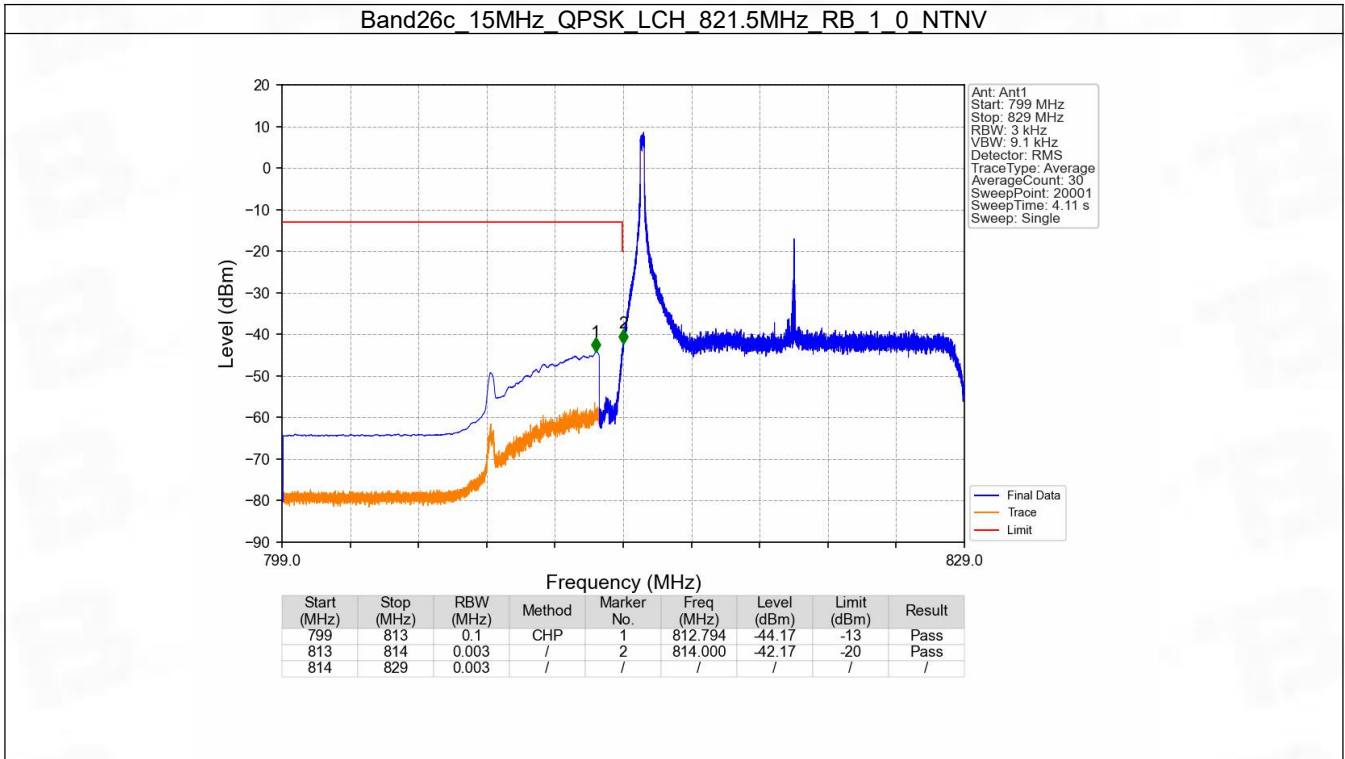
6. Spurious Emission

6.1 B26c_15MHz

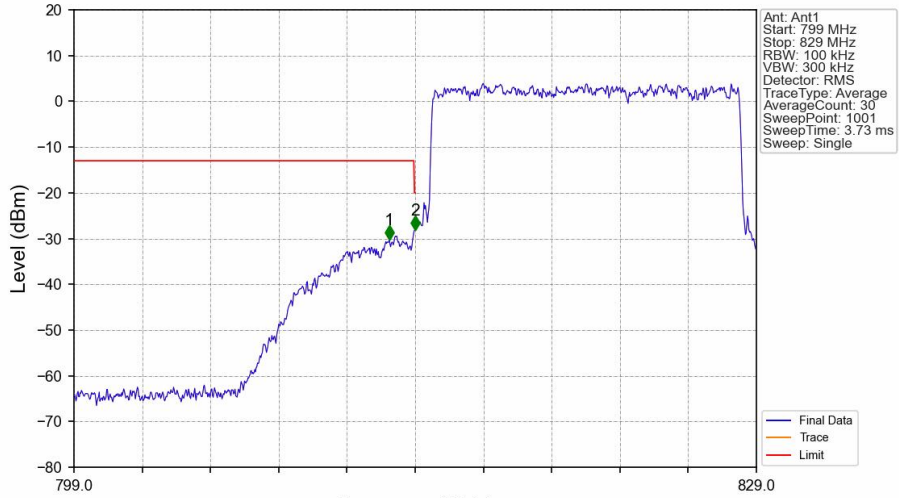
6.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	821.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	831.5	1	0	Refer To Test Graph		Pass
		841.5	1	0	Refer To Test Graph	
				74	Refer To Test Graph	
			75	0	Refer To Test Graph	
16QAM	821.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	831.5	1	0	Refer To Test Graph		Pass
		841.5	1	0	Refer To Test Graph	
				74	Refer To Test Graph	
			75	0	Refer To Test Graph	

6.1.2 Test Graph

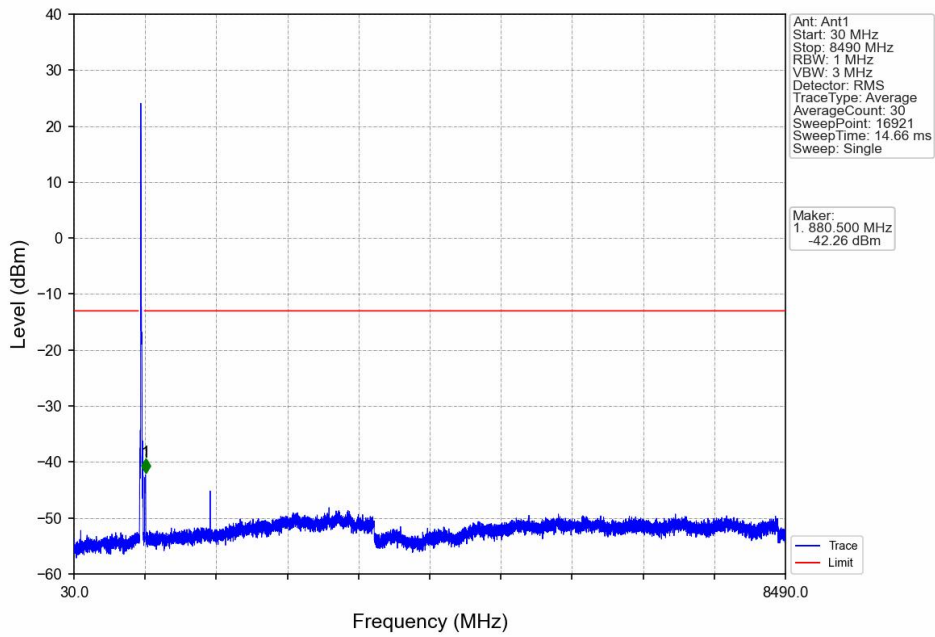


Band26c 15MHz QPSK LCH 821.5MHz RB 75 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	/	1	812.860	-30.29	-13	Pass
813	814	0.149	/	2	814.000	-28.13	-20	Pass
814	829	0.149	/	/	/	/	/	/

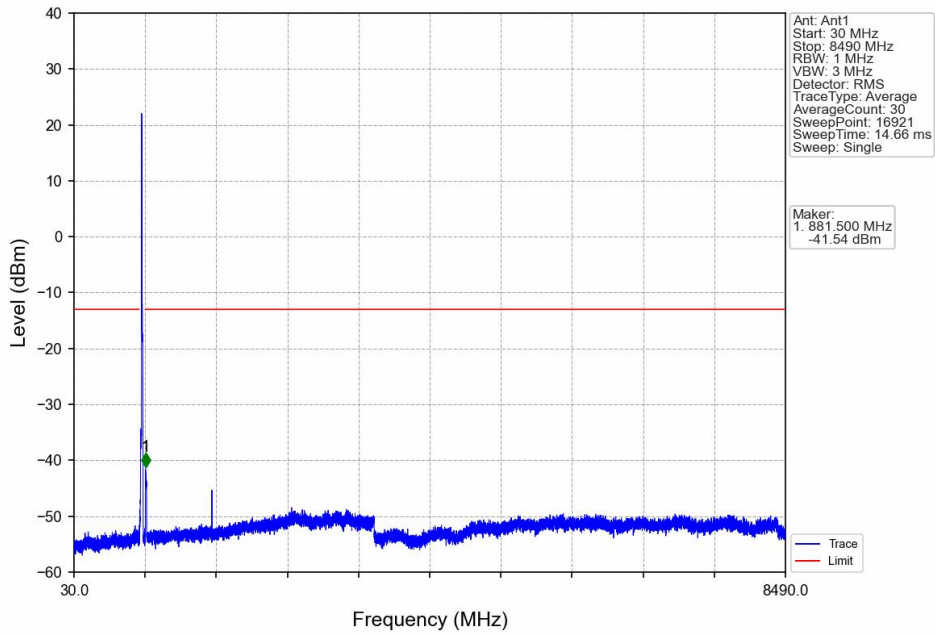
Band26c 15MHz QPSK MCH 831.5MHz RB 1 0 NTNV



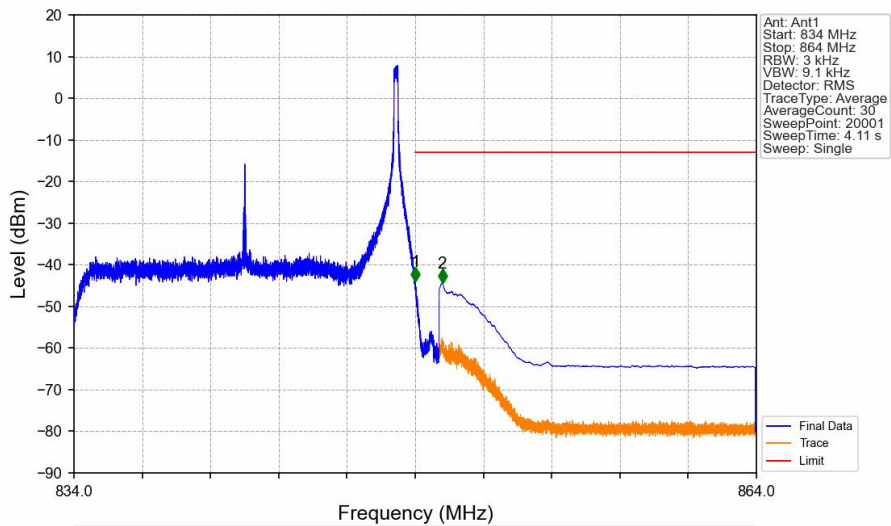
Ant: Ant1
 Start: 30 MHz
 Stop: 8490 MHz
 RBW: 1 MHz
 VBW: 3 MHz
 Detector: RMS
 Trace Type: Average
 Average Count: 30
 Sweep Point: 16921
 Sweep Time: 14.66 ms
 Sweep: Single

Marker:
 1. 880.500 MHz
 -42.26 dBm

Band26c 15MHz QPSK HCH 841.5MHz RB 1 0 NTNV

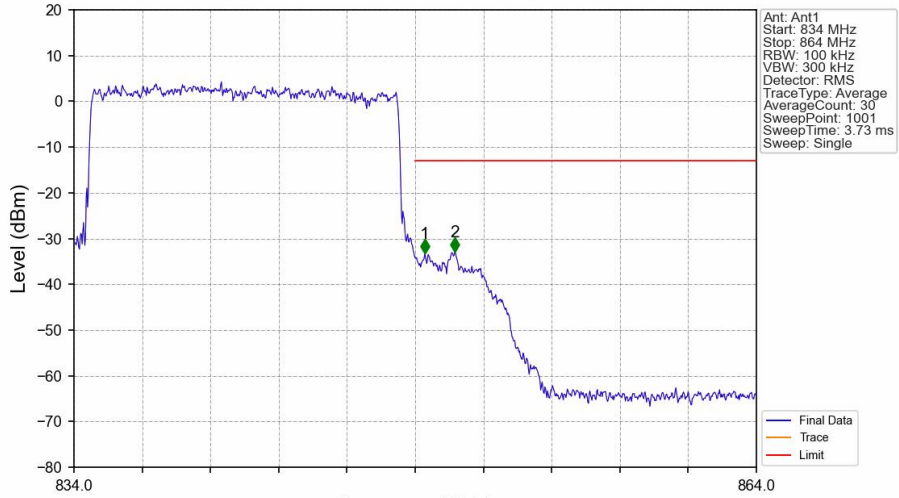


Band26c 15MHz QPSK HCH 841.5MHz RB 1 74 NTNV



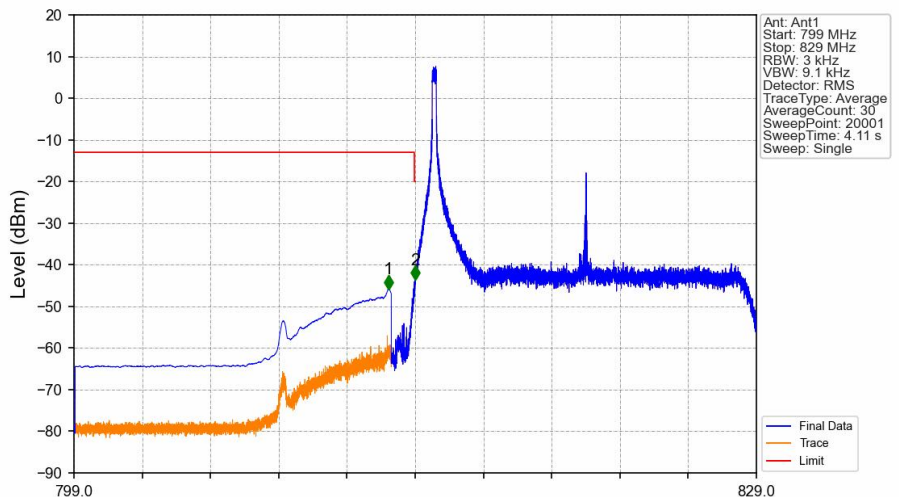
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.003	/	1	849.003	-44.01	-13	Pass
849	850	0.003	/	1	849.003	-44.01	-13	Pass
850	864	0.1	CHP	2	850.192	-44.39	-13	Pass

Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



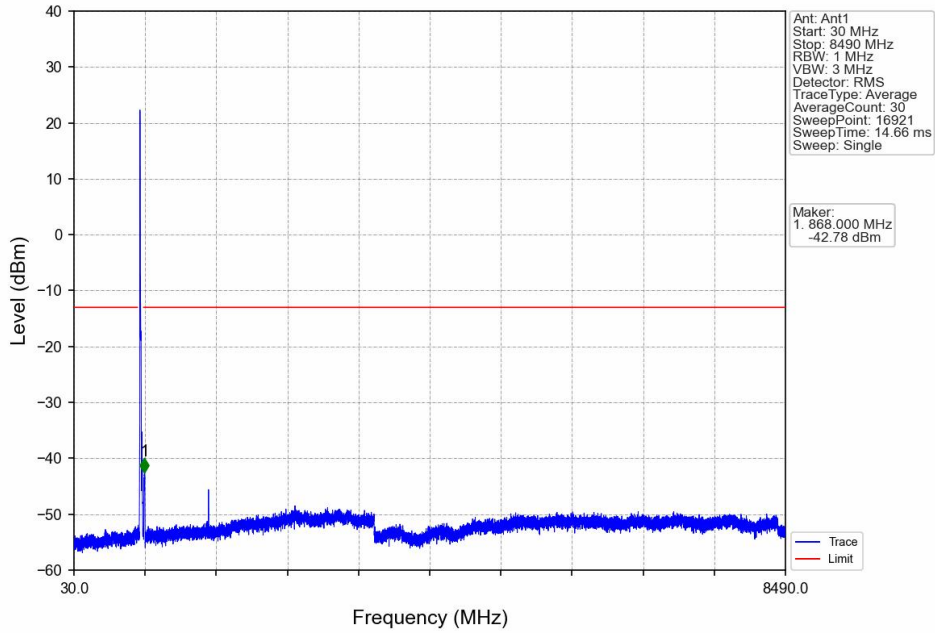
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
834	849	0.148	/	/	/	/	/	/
849	850	0.148	/	1	849.420	-33.31	-13	Pass
850	864	0.1	/	2	850.740	-32.94	-13	Pass

Band26c_15MHz_16QAM_LCH_821.5MHz_RB_1_0_NTNV

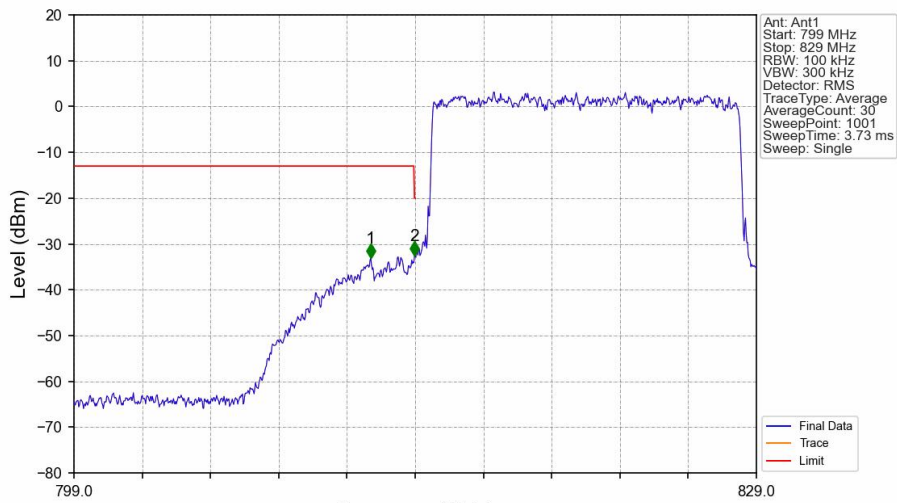


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	CHP	1	812.822	-45.88	-13	Pass
813	814	0.003	/	2	813.994	-43.70	-20	Pass
814	829	0.003	/	/	/	/	/	/

Band26c_15MHz_16QAM_LCH_821.5MHz_RB_1_0_NTNV

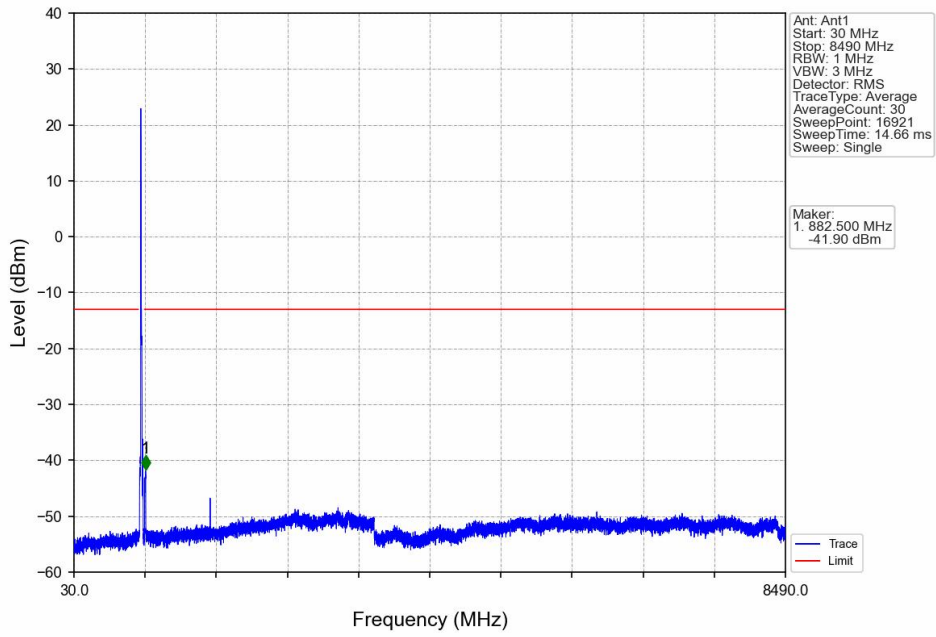


Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV

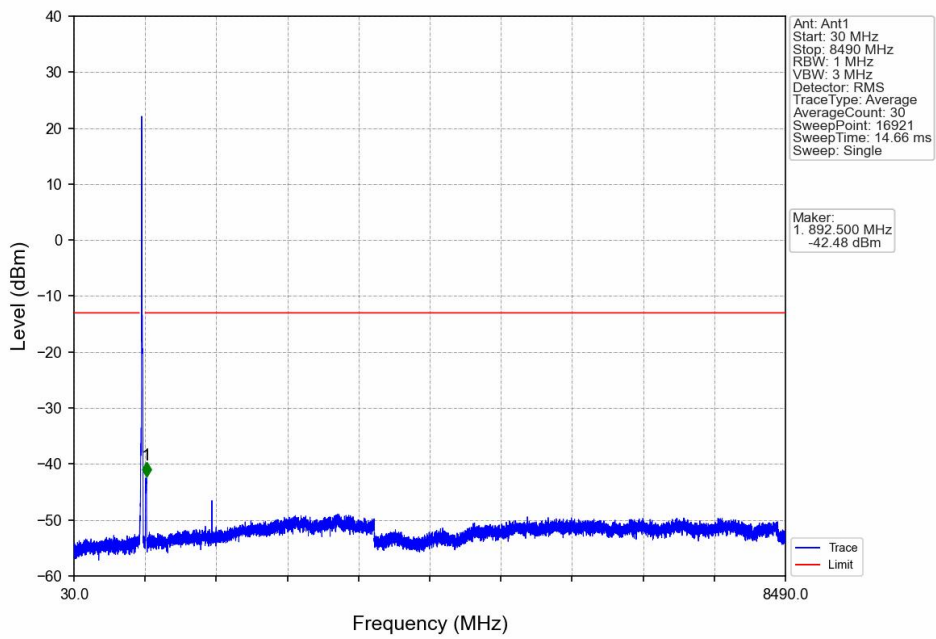


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	/	1	812.050	-33.13	-13	Pass
813	814	0.149	/	2	813.970	-32.57	-20	Pass
814	829	0.149	/	/	/	/	/	/

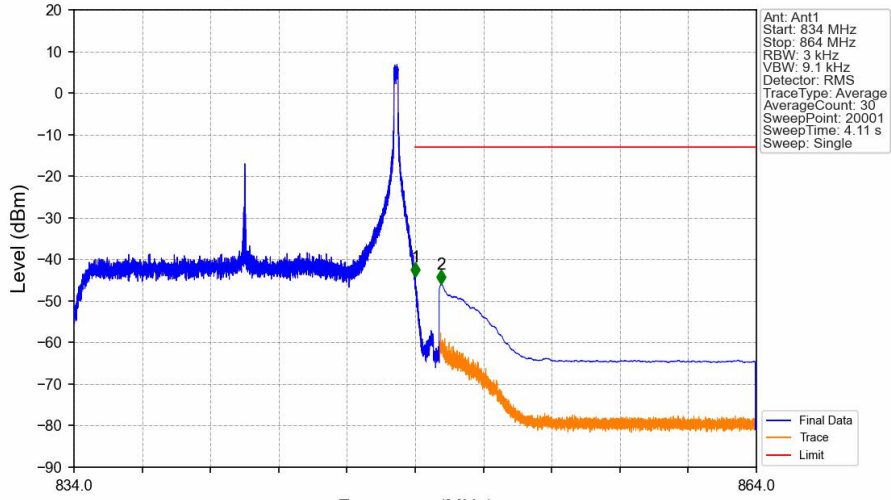
Band26c_15MHz_16QAM_MCH_831.5MHz_RB_1_0_NTNV



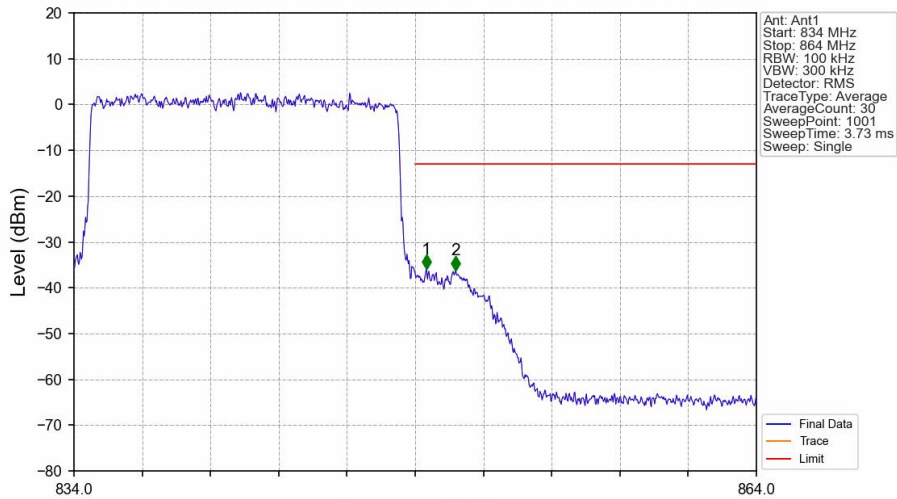
Band26c_15MHz_16QAM_HCH_841.5MHz_RB_1_0_NTNV



Band26c 15MHz 16QAM HCH 841.5MHz RB 1 74 NTV



Band26c 15MHz 16QAM HCH 841.5MHz RB 75 0 NTV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
26c	15	821.5	841.5	0.2512	0.0066	ppm	13M6G7D	/	24.00
26c	15	821.5	841.5	0.2178	0.0055	ppm	13M6W7D	/	23.38

7.2 Form731_ERP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
26c	15	821.5	841.5	0.0653	0.0066	ppm	13M6G7D	/	18.15
26c	15	821.5	841.5	0.0566	0.0055	ppm	13M6W7D	/	17.53