

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	24.53	-3.50	18.88	<=38.45	Pass
			38	24.66	-3.50	19.01	<=38.45	Pass
			74	24.50	-3.50	18.85	<=38.45	Pass
		36	0	23.69	-3.50	18.04	<=38.45	Pass
			18	23.81	-3.50	18.16	<=38.45	Pass
			39	23.81	-3.50	18.16	<=38.45	Pass
		75	0	23.78	-3.50	18.13	<=38.45	Pass
	831.5	1	0	24.71	-3.50	19.06	<=38.45	Pass
			38	24.60	-3.50	18.95	<=38.45	Pass
			74	24.57	-3.50	18.92	<=38.45	Pass
		36	0	23.67	-3.50	18.02	<=38.45	Pass
			18	23.66	-3.50	18.01	<=38.45	Pass
			39	23.71	-3.50	18.06	<=38.45	Pass
		75	0	23.75	-3.50	18.10	<=38.45	Pass
	841.5	1	0	23.61	-3.50	17.96	<=38.45	Pass
			38	23.62	-3.50	17.97	<=38.45	Pass
			74	23.64	-3.50	17.99	<=38.45	Pass
		36	0	23.62	-3.50	17.97	<=38.45	Pass
			18	23.64	-3.50	17.99	<=38.45	Pass
			39	23.64	-3.50	17.99	<=38.45	Pass
		75	0	23.64	-3.50	17.99	<=38.45	Pass
16QAM	821.5	1	0	23.73	-3.50	18.08	<=38.45	Pass
			38	23.83	-3.50	18.18	<=38.45	Pass
			74	23.63	-3.50	17.98	<=38.45	Pass
		36	0	22.64	-3.50	16.99	<=38.45	Pass
			18	22.79	-3.50	17.14	<=38.45	Pass
			39	22.80	-3.50	17.15	<=38.45	Pass
		75	0	22.76	-3.50	17.11	<=38.45	Pass
	831.5	1	0	23.82	-3.50	18.17	<=38.45	Pass
			38	23.71	-3.50	18.06	<=38.45	Pass
			74	23.67	-3.50	18.02	<=38.45	Pass
		36	0	22.67	-3.50	17.02	<=38.45	Pass
			18	22.65	-3.50	17.00	<=38.45	Pass
			39	22.71	-3.50	17.06	<=38.45	Pass
		75	0	22.72	-3.50	17.07	<=38.45	Pass
	841.5	1	0	23.68	-3.50	18.03	<=38.45	Pass
			38	23.66	-3.50	18.01	<=38.45	Pass
			74	23.68	-3.50	18.03	<=38.45	Pass
		36	0	23.65	-3.50	18.00	<=38.45	Pass
			18	23.66	-3.50	18.01	<=38.45	Pass
			39	23.63	-3.50	17.98	<=38.45	Pass
		75	0	23.66	-3.50	18.01	<=38.45	Pass
64QAM	821.5	1	0	22.77	-3.50	17.12	<=38.45	Pass
			38	22.86	-3.50	17.21	<=38.45	Pass
			74	22.67	-3.50	17.02	<=38.45	Pass
		36	0	21.67	-3.50	16.02	<=38.45	Pass

		75	18	21.80	-3.50	16.15	<=38.45	Pass		
			39	21.81	-3.50	16.16	<=38.45	Pass		
			0	21.78	-3.50	16.13	<=38.45	Pass		
		831.5	1	0	22.90	-3.50	17.25	<=38.45	Pass	
				38	22.79	-3.50	17.14	<=38.45	Pass	
				74	22.73	-3.50	17.08	<=38.45	Pass	
			36	0	21.69	-3.50	16.04	<=38.45	Pass	
				18	21.63	-3.50	15.98	<=38.45	Pass	
				39	21.72	-3.50	16.07	<=38.45	Pass	
	75		0	21.76	-3.50	16.11	<=38.45	Pass		
	841.5		1	0	23.65	-3.50	18.00	<=38.45	Pass	
				38	23.64	-3.50	17.99	<=38.45	Pass	
		74		23.65	-3.50	18.00	<=38.45	Pass		
		36	0	23.64	-3.50	17.99	<=38.45	Pass		
			18	23.65	-3.50	18.00	<=38.45	Pass		
			39	23.65	-3.50	18.00	<=38.45	Pass		
		75	0	23.63	-3.50	17.98	<=38.45	Pass		
		256QAM	821.5	1	0	19.69	-3.50	14.04	<=38.45	Pass
					38	19.77	-3.50	14.12	<=38.45	Pass
	74				19.83	-3.50	14.18	<=38.45	Pass	
	36			0	19.66	-3.50	14.01	<=38.45	Pass	
				18	19.81	-3.50	14.16	<=38.45	Pass	
				39	19.79	-3.50	14.14	<=38.45	Pass	
	75			0	19.75	-3.50	14.10	<=38.45	Pass	
831.5	1			0	19.79	-3.50	14.14	<=38.45	Pass	
				38	19.75	-3.50	14.10	<=38.45	Pass	
			74	19.90	-3.50	14.25	<=38.45	Pass		
	36		0	19.69	-3.50	14.04	<=38.45	Pass		
			18	19.63	-3.50	13.98	<=38.45	Pass		
			39	19.68	-3.50	14.03	<=38.45	Pass		
	75		0	19.75	-3.50	14.10	<=38.45	Pass		
	841.5		1	0	19.73	-3.50	14.08	<=38.45	Pass	
				38	19.66	-3.50	14.01	<=38.45	Pass	
74				19.78	-3.50	14.13	<=38.45	Pass		
36			0	19.74	-3.50	14.09	<=38.45	Pass		
			18	19.70	-3.50	14.05	<=38.45	Pass		
			39	19.69	-3.50	14.04	<=38.45	Pass		
75			0	19.61	-3.50	13.96	<=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	3.65	-1.345	-0.0016	-2.5 to 2.5	Pass
					3.87	-2.146	-0.0026	-2.5 to 2.5	Pass
					4.45	-1.087	-0.0013	-2.5 to 2.5	Pass
				-30	3.87	-3.319	-0.0040	-2.5 to 2.5	Pass
				-20	3.87	-2.117	-0.0026	-2.5 to 2.5	Pass

				-10	3.87	-1.459	-0.0018	-2.5 to 2.5	Pass
				0	3.87	-2.675	-0.0033	-2.5 to 2.5	Pass
				10	3.87	0.572	0.0007	-2.5 to 2.5	Pass
				30	3.87	-1.488	-0.0018	-2.5 to 2.5	Pass
				40	3.87	-0.715	-0.0009	-2.5 to 2.5	Pass
				50	3.87	-2.961	-0.0036	-2.5 to 2.5	Pass
	831.5	75	0	20	3.65	-1.359	-0.0016	-2.5 to 2.5	Pass
					3.87	-0.300	-0.0004	-2.5 to 2.5	Pass
					4.45	-2.532	-0.0030	-2.5 to 2.5	Pass
				-30	3.87	-0.987	-0.0012	-2.5 to 2.5	Pass
				-20	3.87	-1.187	-0.0014	-2.5 to 2.5	Pass
				-10	3.87	-0.701	-0.0008	-2.5 to 2.5	Pass
				0	3.87	0.744	0.0009	-2.5 to 2.5	Pass
				10	3.87	0.515	0.0006	-2.5 to 2.5	Pass
				30	3.87	-0.858	-0.0010	-2.5 to 2.5	Pass
				40	3.87	-0.401	-0.0005	-2.5 to 2.5	Pass
				50	3.87	-0.515	-0.0006	-2.5 to 2.5	Pass
				20	3.65	-0.129	-0.0002	-2.5 to 2.5	Pass
					3.87	0.901	0.0011	-2.5 to 2.5	Pass
					4.45	0.615	0.0007	-2.5 to 2.5	Pass
	841.5	75	0	-30	3.87	1.445	0.0017	-2.5 to 2.5	Pass
				-20	3.87	-0.272	-0.0003	-2.5 to 2.5	Pass
				-10	3.87	-0.587	-0.0007	-2.5 to 2.5	Pass
				0	3.87	0.601	0.0007	-2.5 to 2.5	Pass
				10	3.87	1.059	0.0013	-2.5 to 2.5	Pass
				30	3.87	-0.644	-0.0008	-2.5 to 2.5	Pass
				40	3.87	-1.001	-0.0012	-2.5 to 2.5	Pass
				50	3.87	-0.014	0.0000	-2.5 to 2.5	Pass

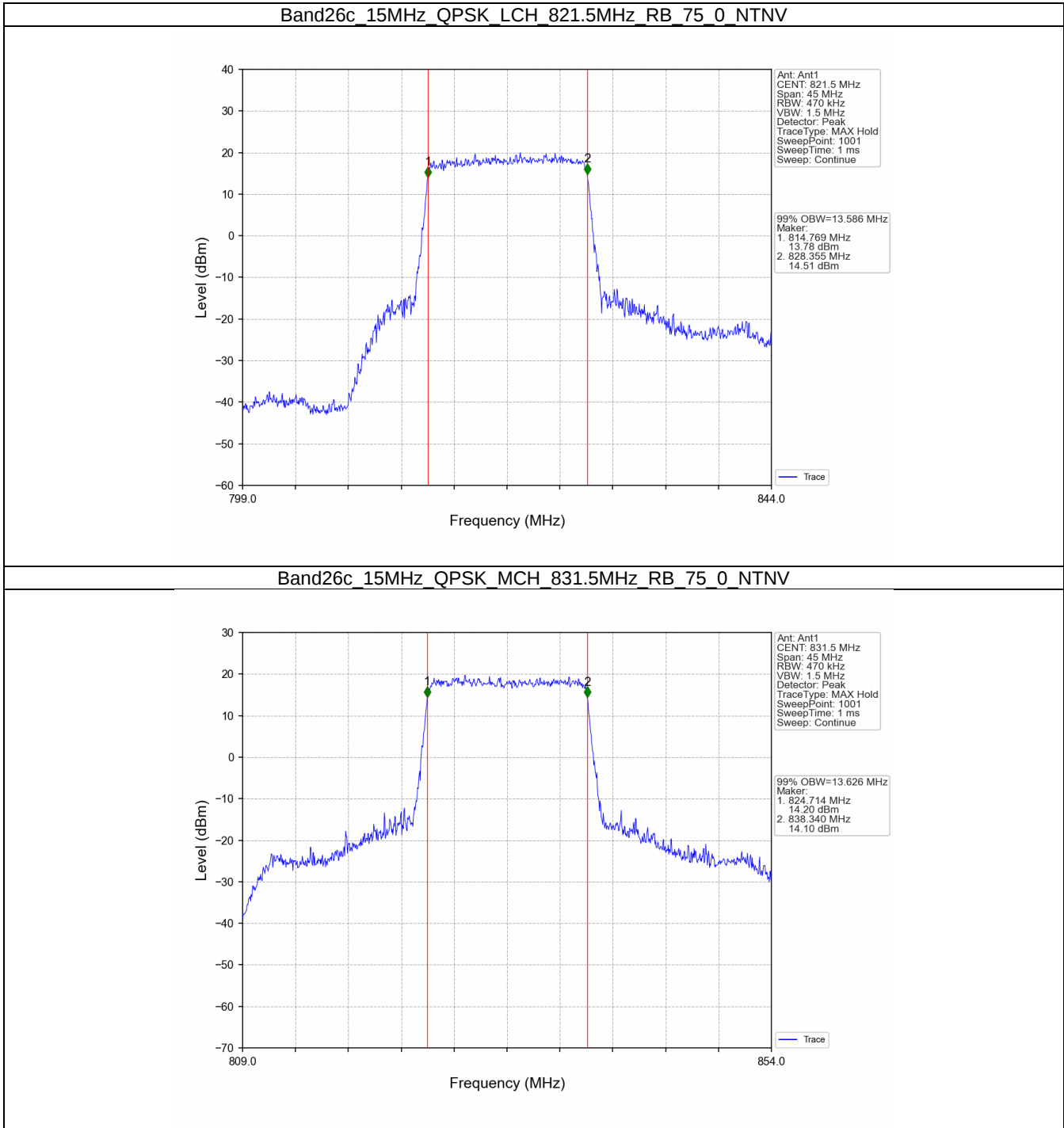
3. 99% & 26dB Bandwidth

3.1 Band26c_OBW

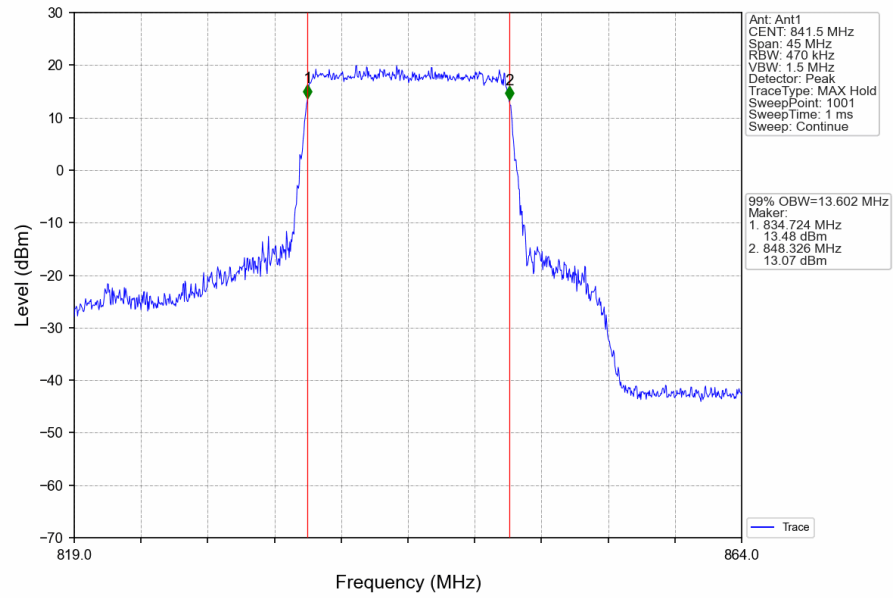
3.1.1 Test Result

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	13.586	/	Pass
		831.5	75	0	13.626	/	Pass
		841.5	75	0	13.602	/	Pass
	16QAM	821.5	75	0	13.560	/	Pass
		831.5	75	0	13.598	/	Pass
		841.5	75	0	13.583	/	Pass
	64QAM	821.5	75	0	13.548	/	Pass
		831.5	75	0	13.587	/	Pass
		841.5	75	0	13.586	/	Pass
	256QAM	821.5	75	0	13.570	/	Pass
		831.5	75	0	13.642	/	Pass
		841.5	75	0	13.536	/	Pass

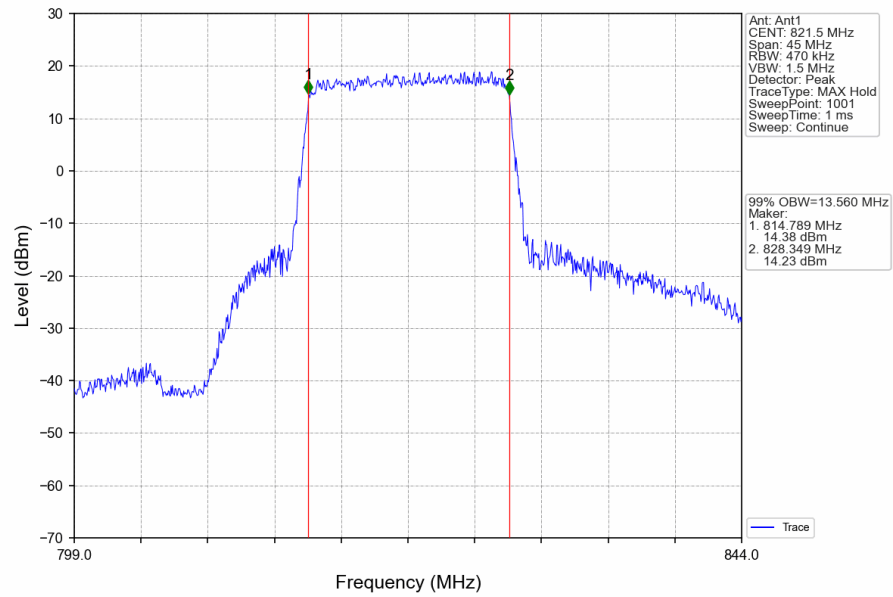
3.1.2 Test Graph



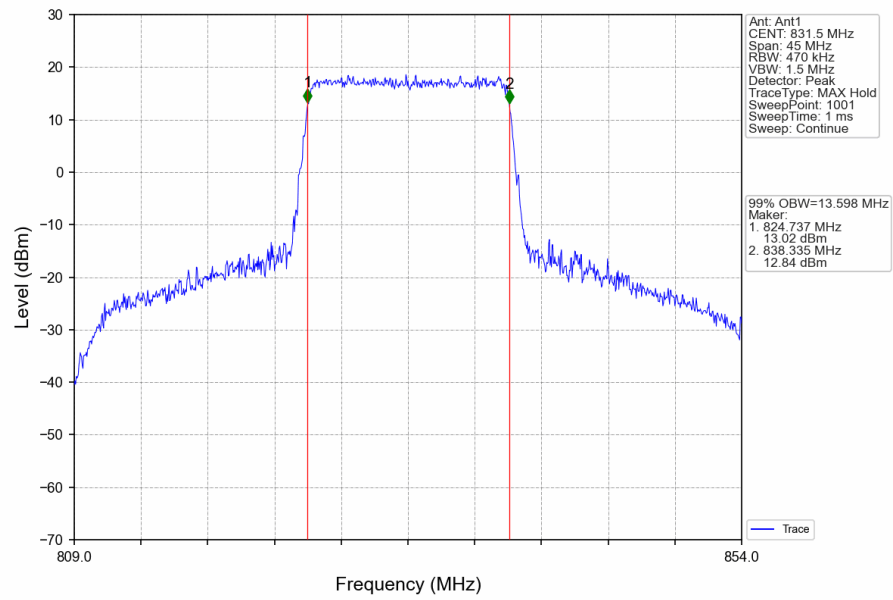
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



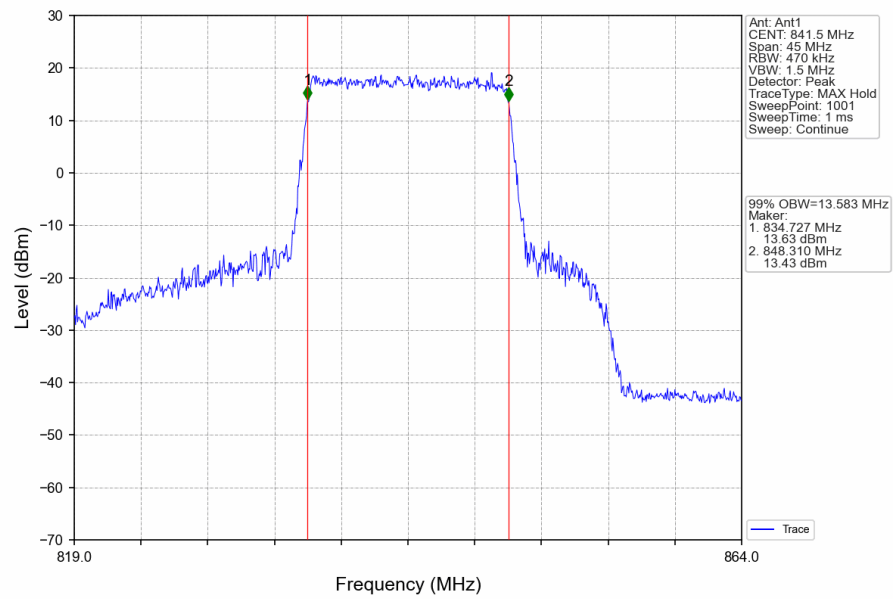
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



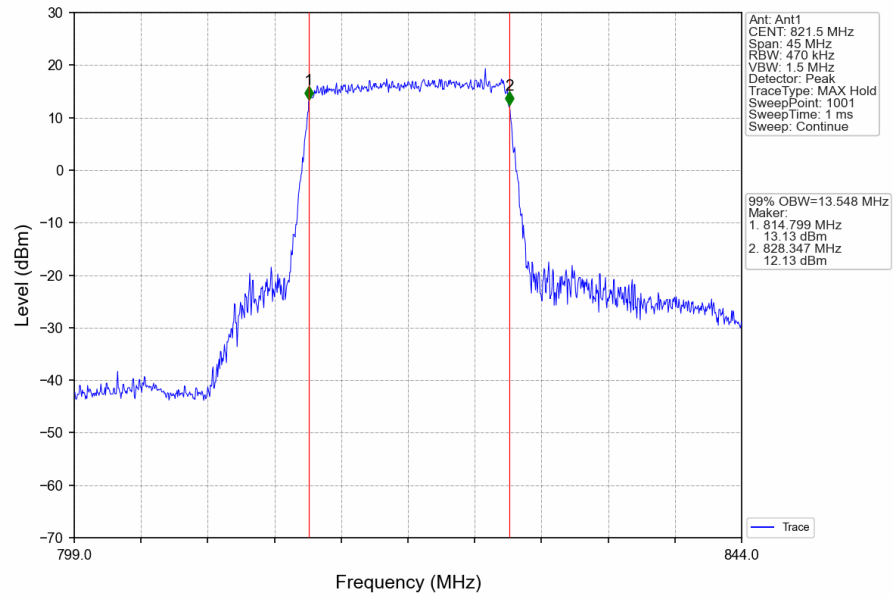
Band26c 15MHz 16QAM MCH 831.5MHz RB 75 0 NTN



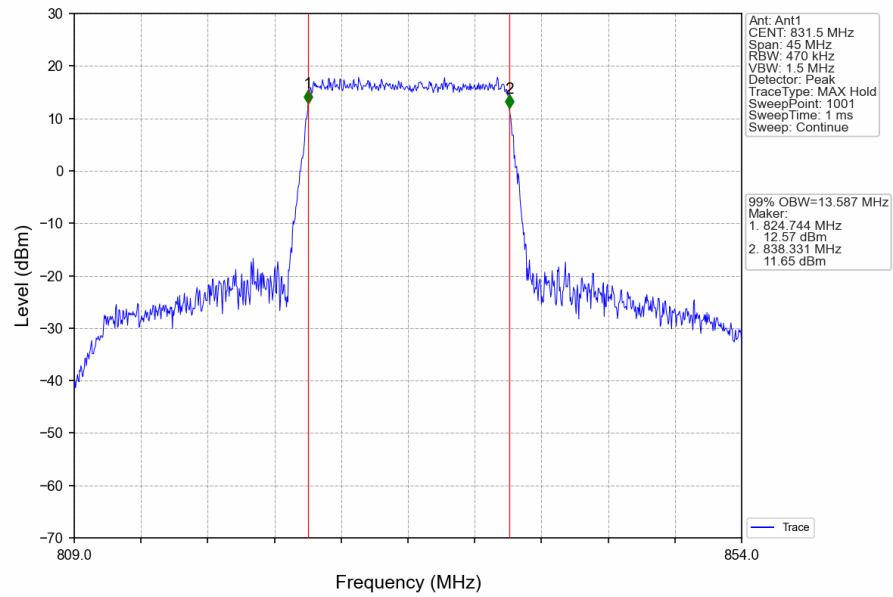
Band26c 15MHz 16QAM HCH 841.5MHz RB 75 0 NTN



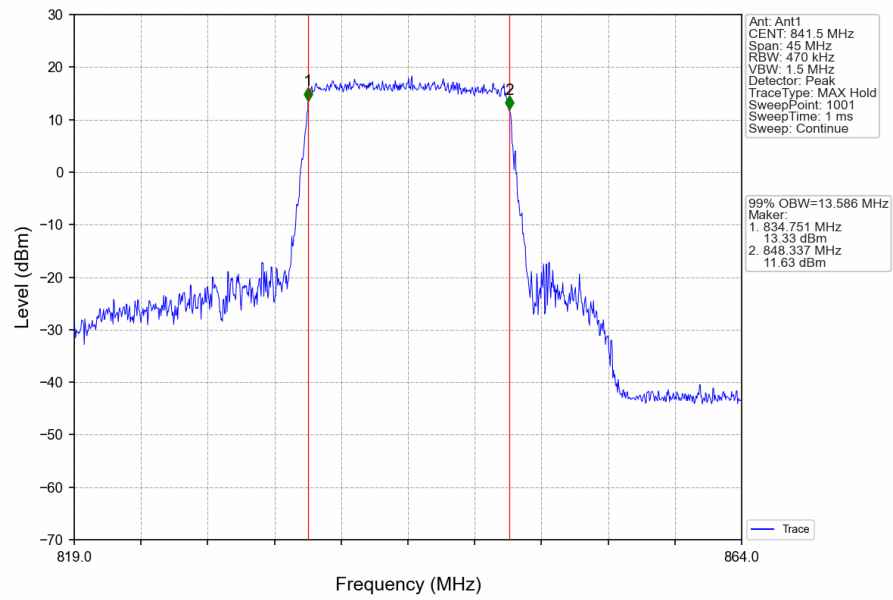
Band26c_15MHz_64QAM_LCH_821.5MHz_RB_75_0_NTNV



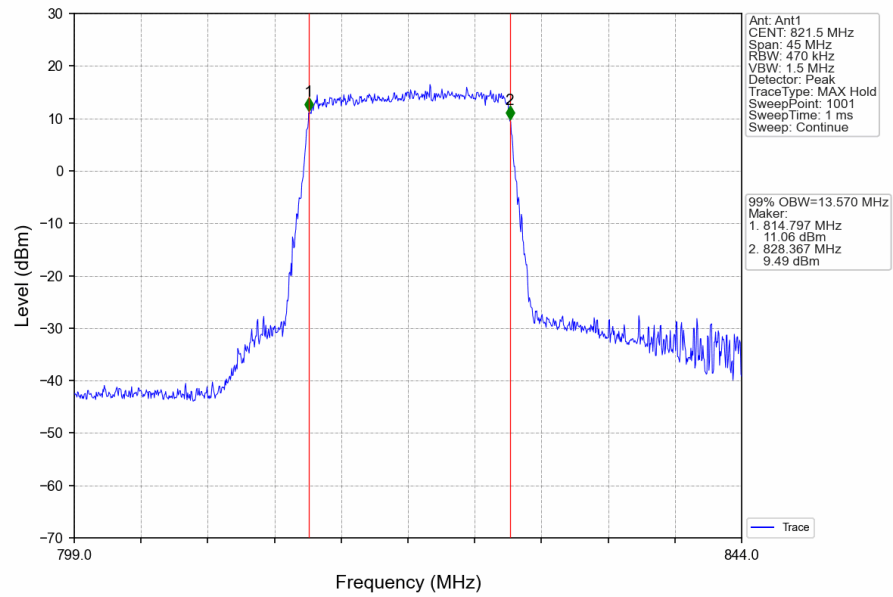
Band26c_15MHz_64QAM_MCH_831.5MHz_RB_75_0_NTNV



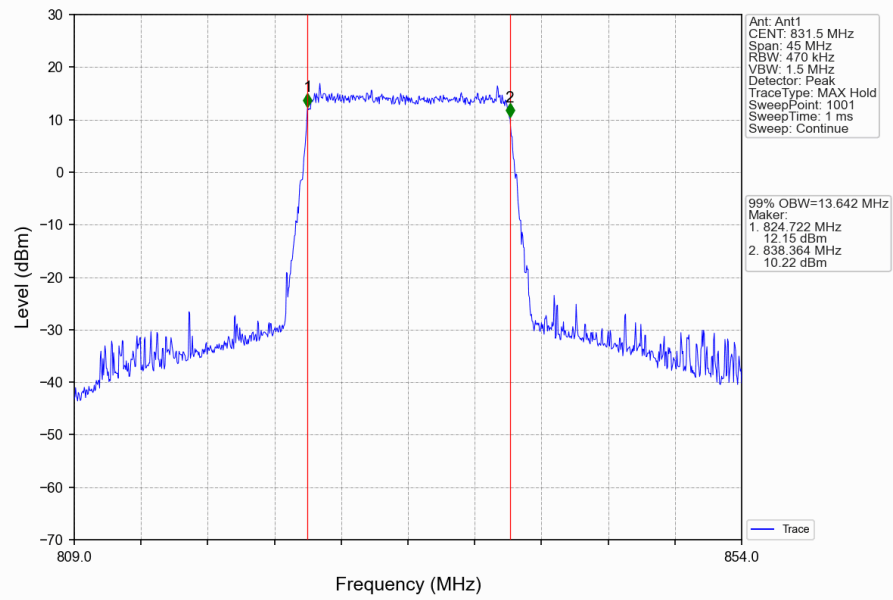
Band26c 15MHz 64QAM HCH 841.5MHz RB 75 0 NTN



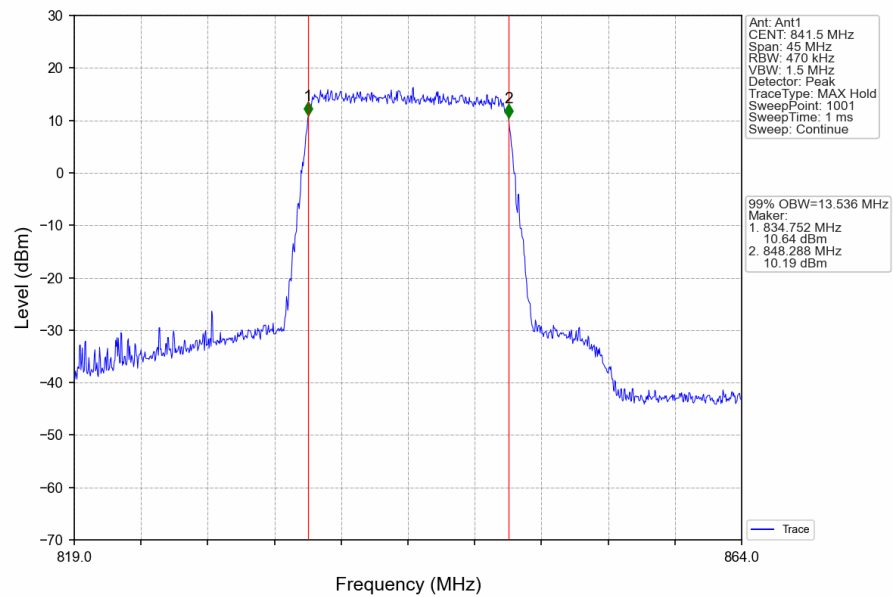
Band26c 15MHz 256QAM LCH 821.5MHz RB 75 0 NTN



Band26c_15MHz_256QAM_MCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_256QAM_HCH_841.5MHz_RB_75_0_NTNV

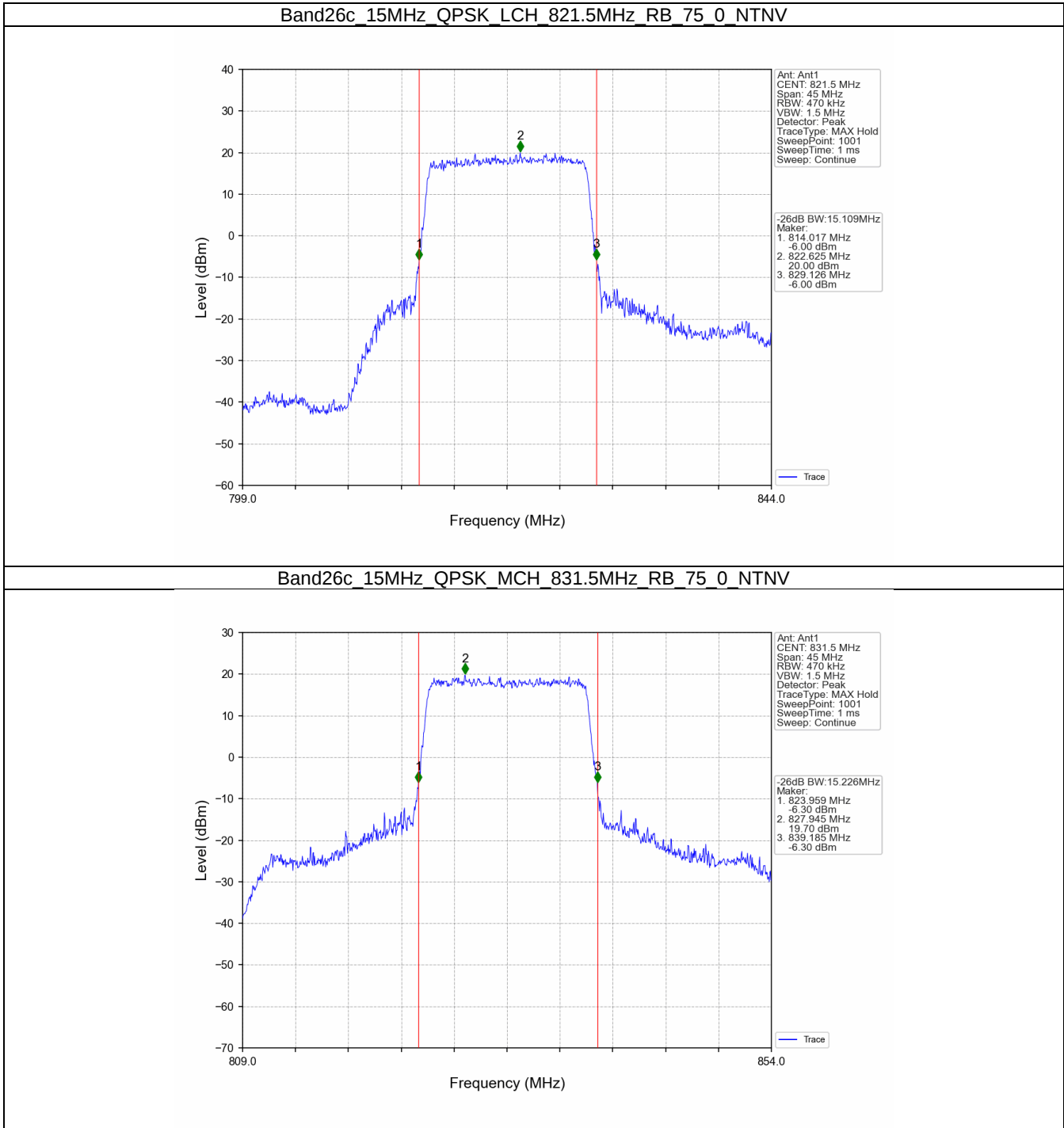


3.2 Band26c_XDB

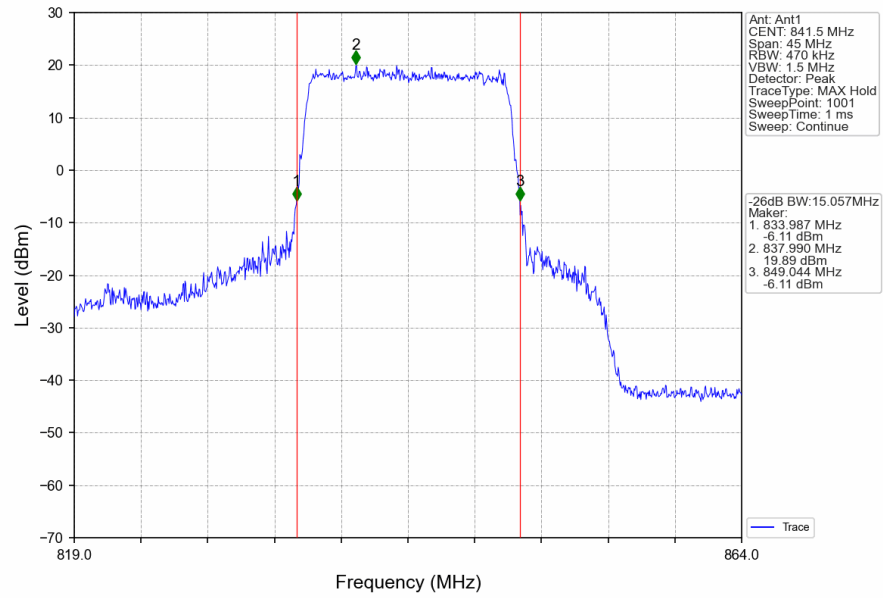
3.2.1 Test Result

Band: 26c / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
15	QPSK	821.5	75	0	15.109	/	Pass
		831.5	75	0	15.226	/	Pass
		841.5	75	0	15.057	/	Pass
	16QAM	821.5	75	0	15.226	/	Pass
		831.5	75	0	15.184	/	Pass
		841.5	75	0	15.079	/	Pass
	64QAM	821.5	75	0	14.938	/	Pass
		831.5	75	0	15.243	/	Pass
		841.5	75	0	15.083	/	Pass
	256QAM	821.5	75	0	15.241	/	Pass
		831.5	75	0	15.012	/	Pass
		841.5	75	0	15.050	/	Pass

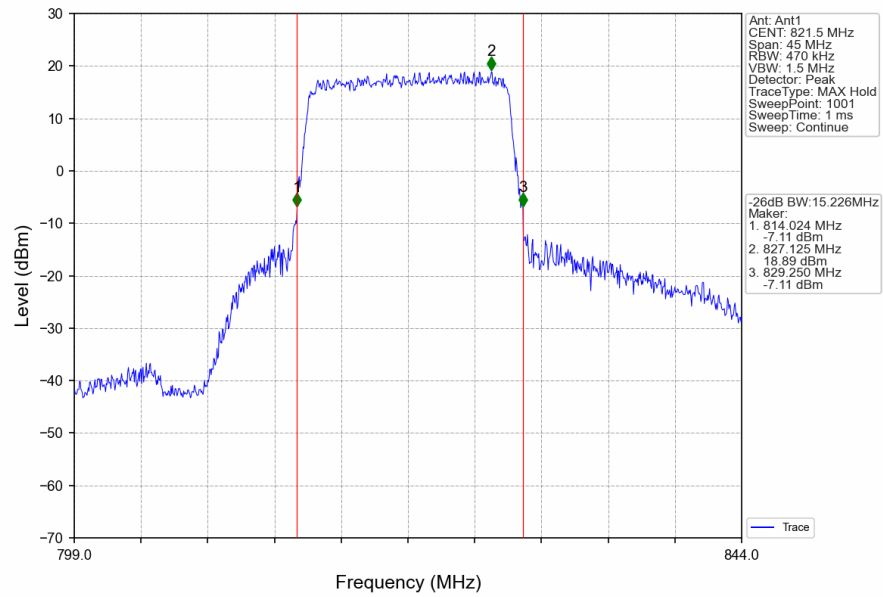
3.2.2 Test Graph



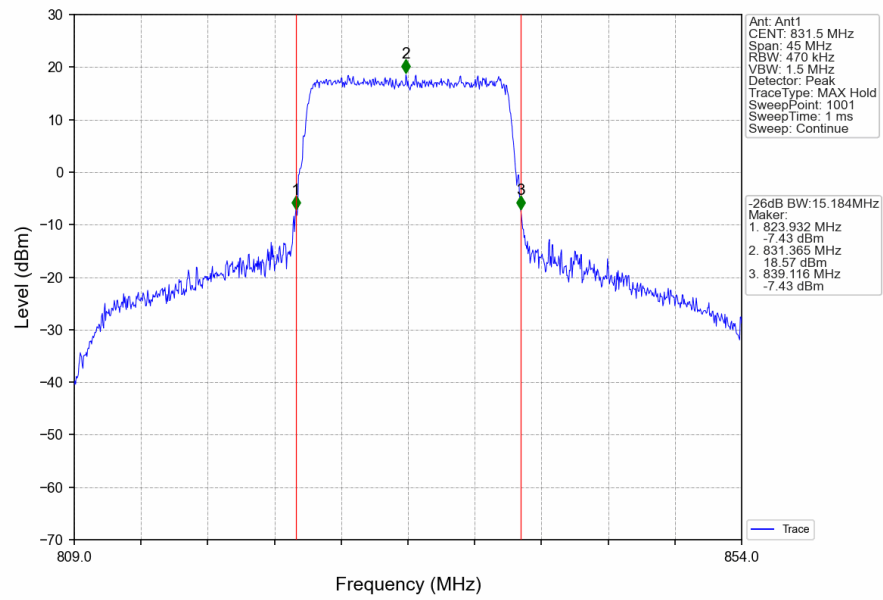
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



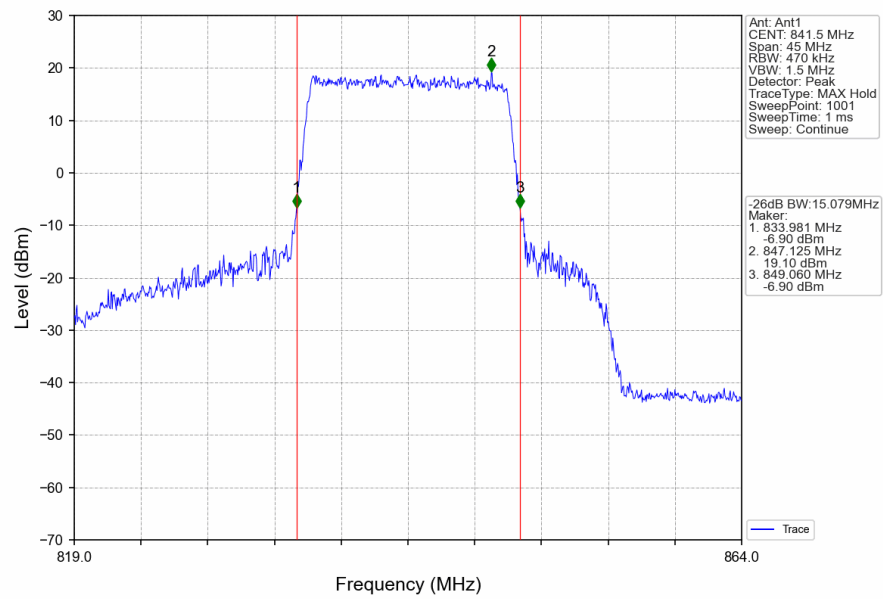
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



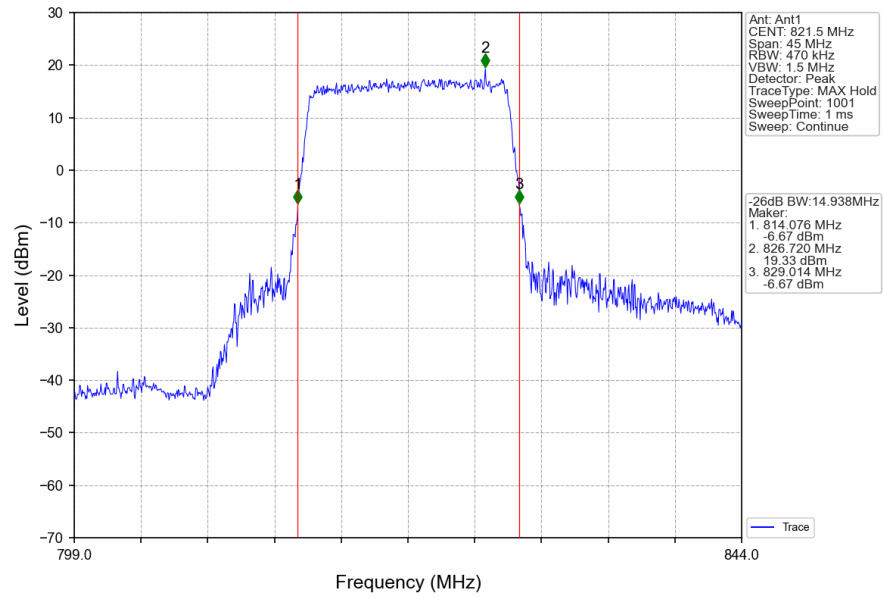
Band26c 15MHz 16QAM MCH 831.5MHz RB 75 0 NTN



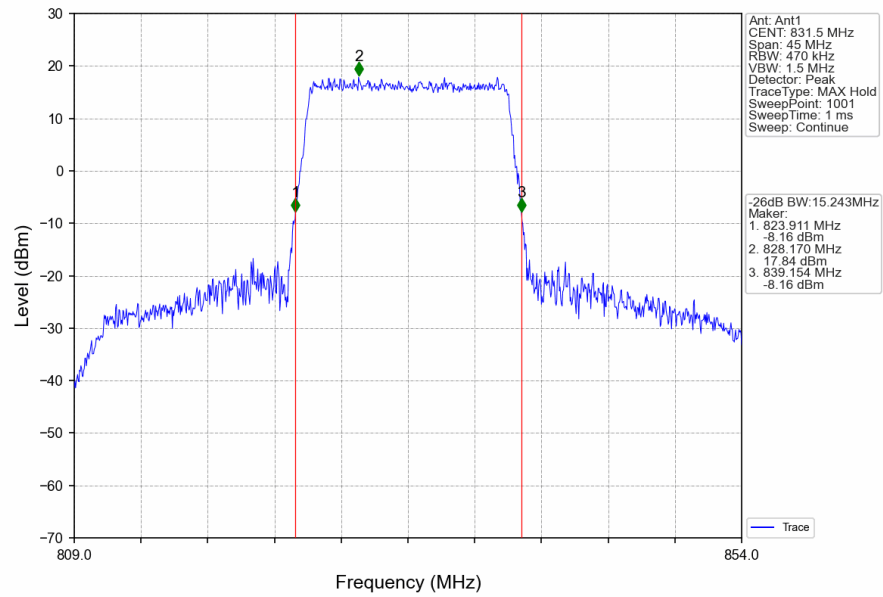
Band26c 15MHz 16QAM HCH 841.5MHz RB 75 0 NTN



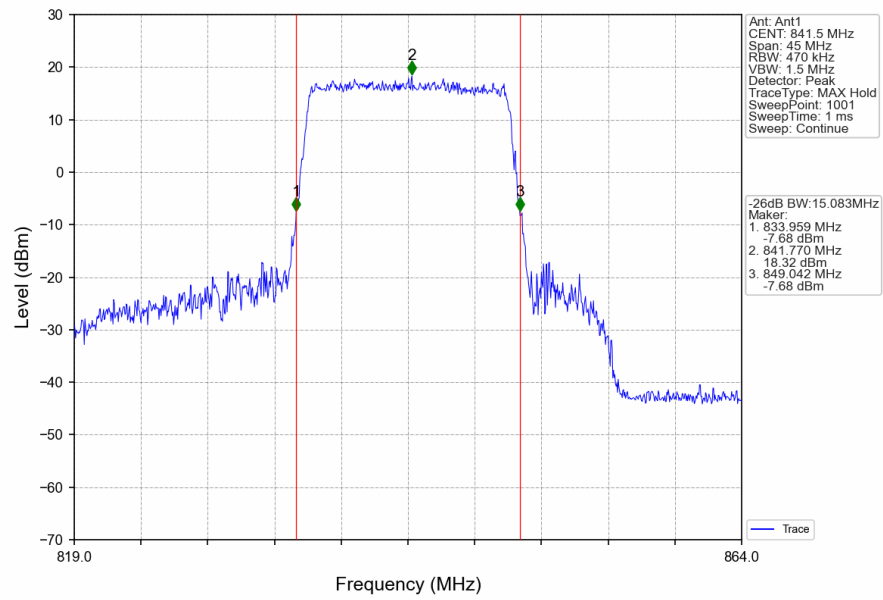
Band26c_15MHz_64QAM_LCH_821.5MHz_RB_75_0_NTNV



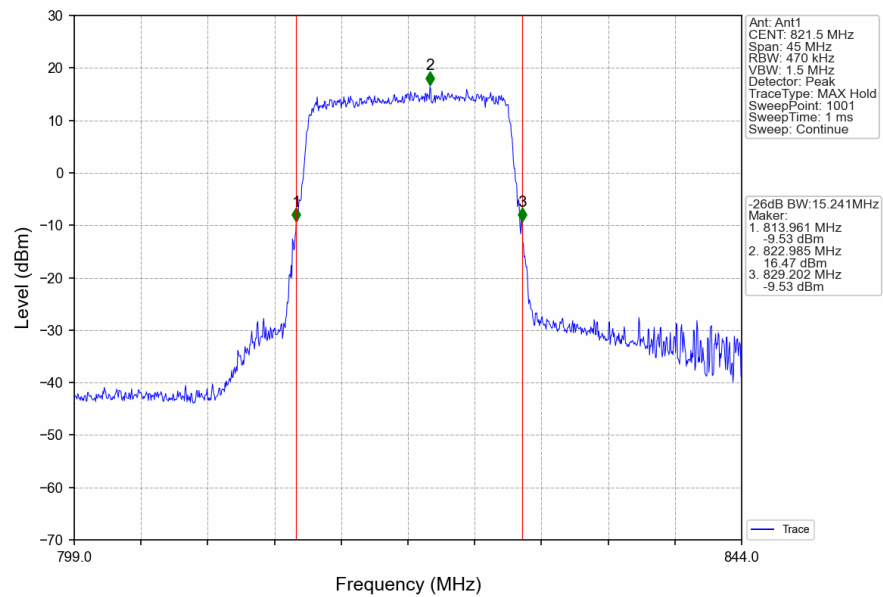
Band26c_15MHz_64QAM_MCH_831.5MHz_RB_75_0_NTNV



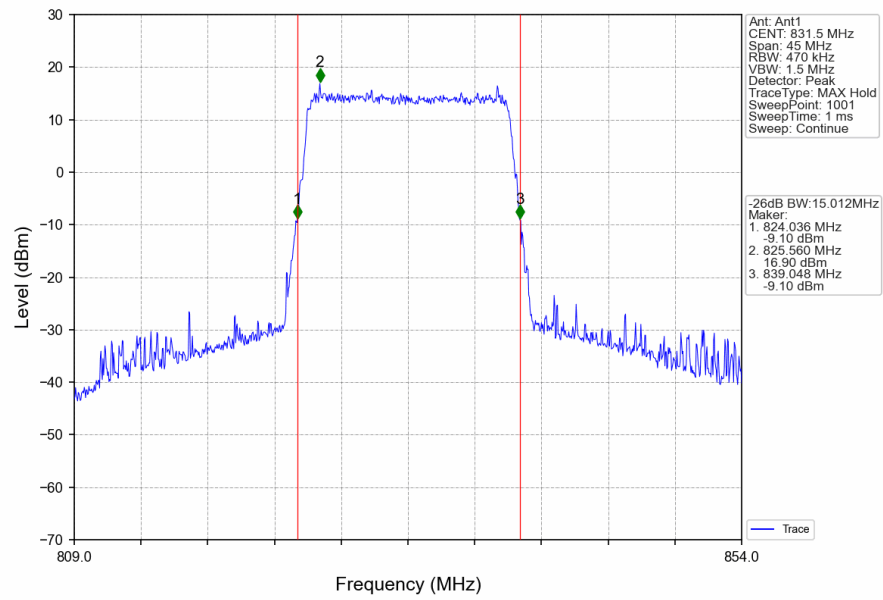
Band26c 15MHz 64QAM HCH 841.5MHz RB 75 0 NTN



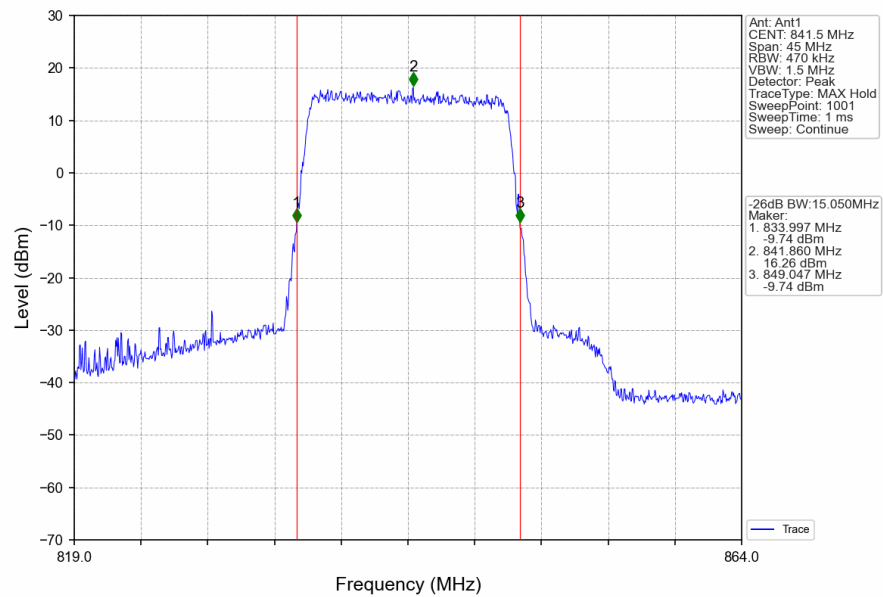
Band26c 15MHz 256QAM LCH 821.5MHz RB 75 0 NTN



Band26c_15MHz_256QAM_MCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_256QAM_HCH_841.5MHz_RB_75_0_NTNV



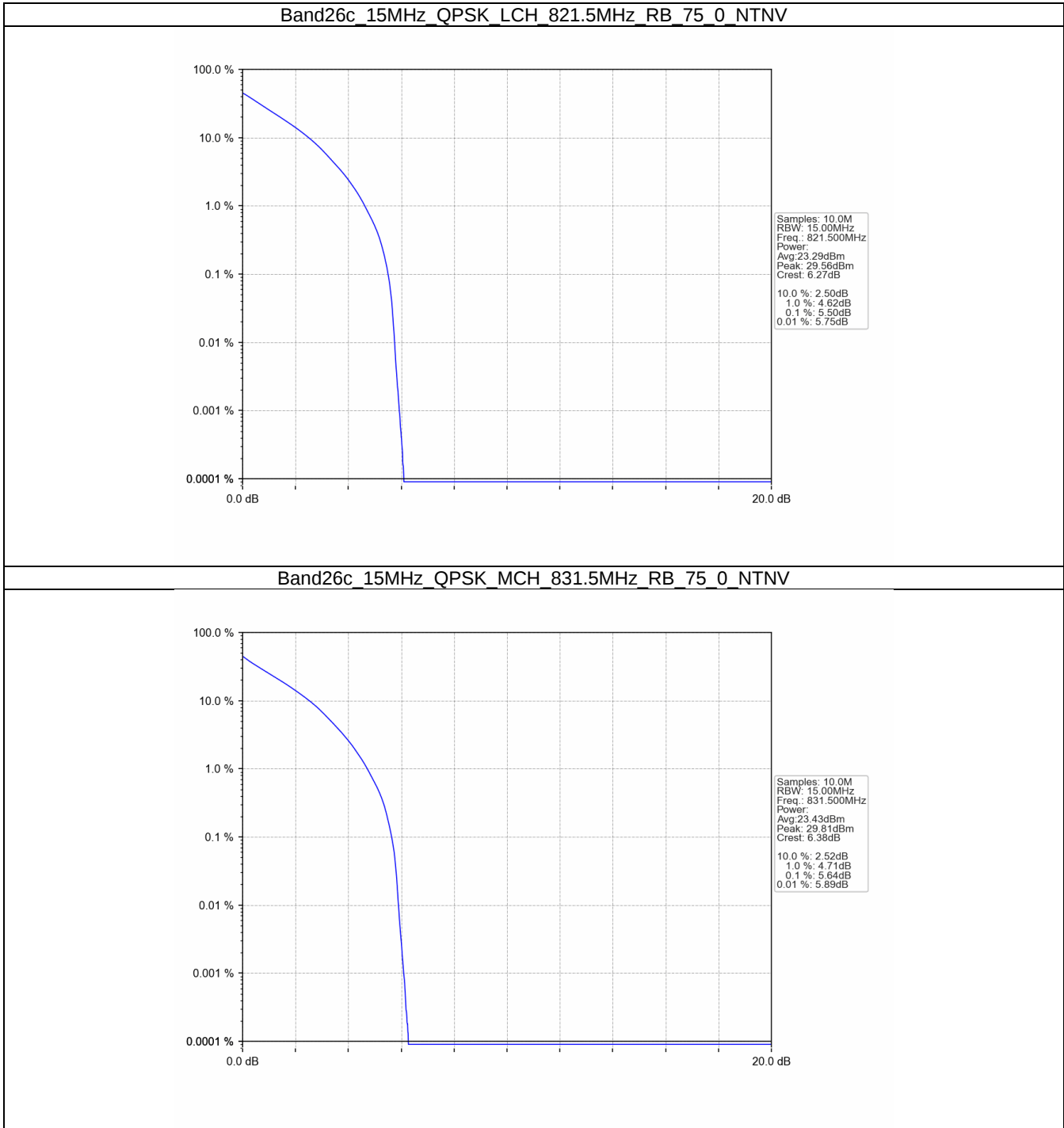
4. Peak-Average Ratio

4.1 B26c_15MHz

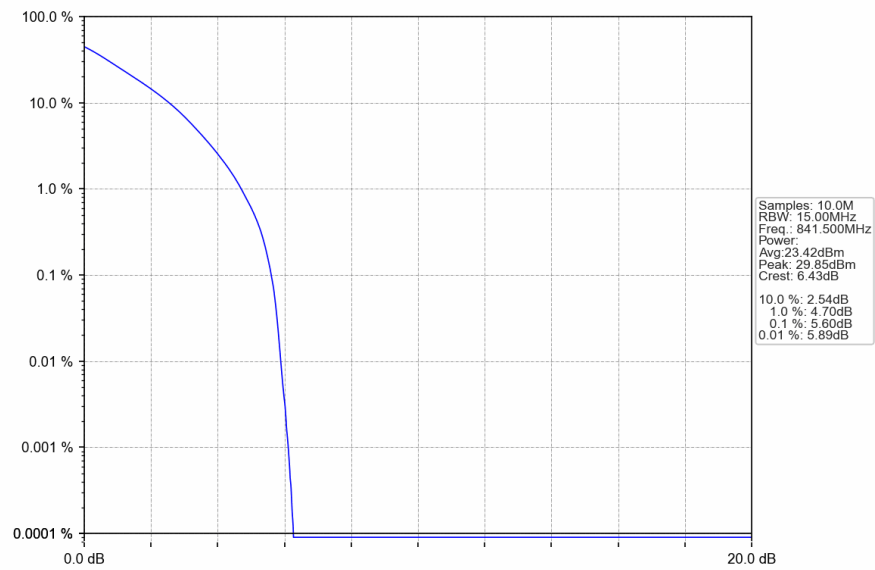
4.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	821.5	75	0	5.50	<=13	Pass
	831.5	75	0	5.64	<=13	Pass
	841.5	75	0	5.60	<=13	Pass
16QAM	821.5	75	0	6.21	<=13	Pass
	831.5	75	0	6.31	<=13	Pass
	841.5	75	0	6.29	<=13	Pass
64QAM	821.5	75	0	7.31	<=13	Pass
	831.5	75	0	7.47	<=13	Pass
	841.5	75	0	7.46	<=13	Pass
256QAM	821.5	75	0	6.76	<=13	Pass
	831.5	75	0	6.80	<=13	Pass
	841.5	75	0	6.79	<=13	Pass

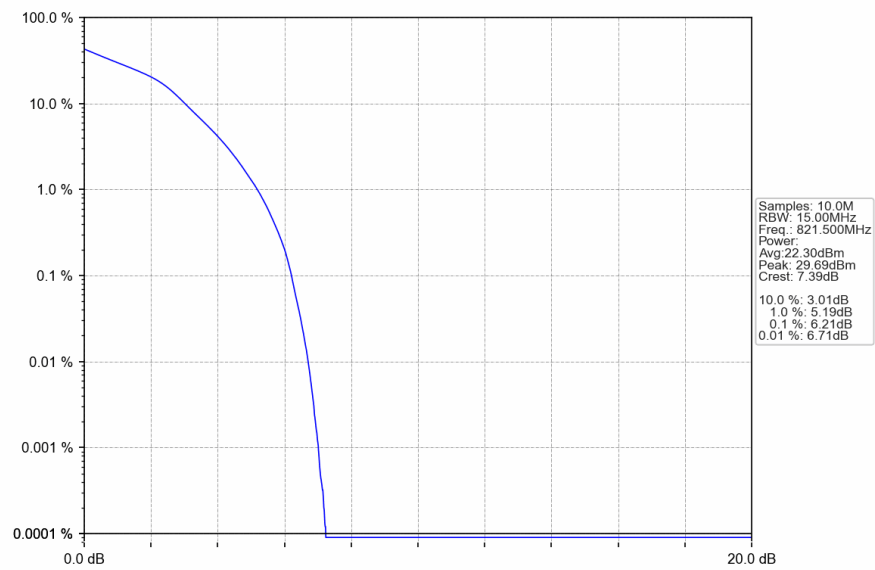
4.1.2 Test Graph



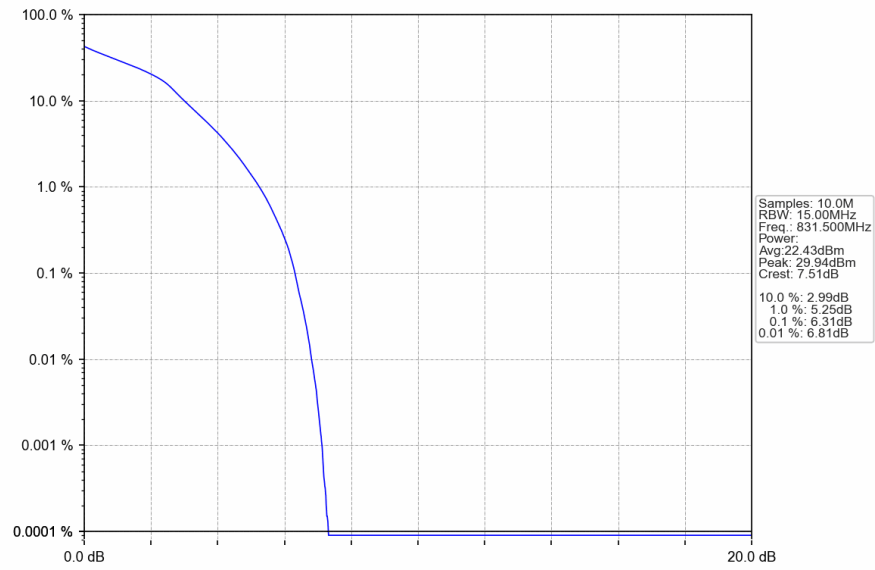
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



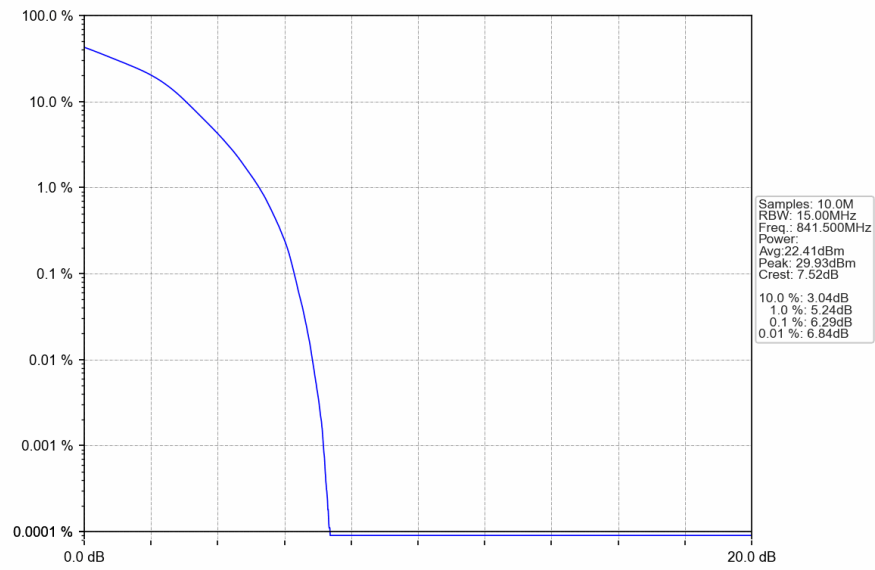
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



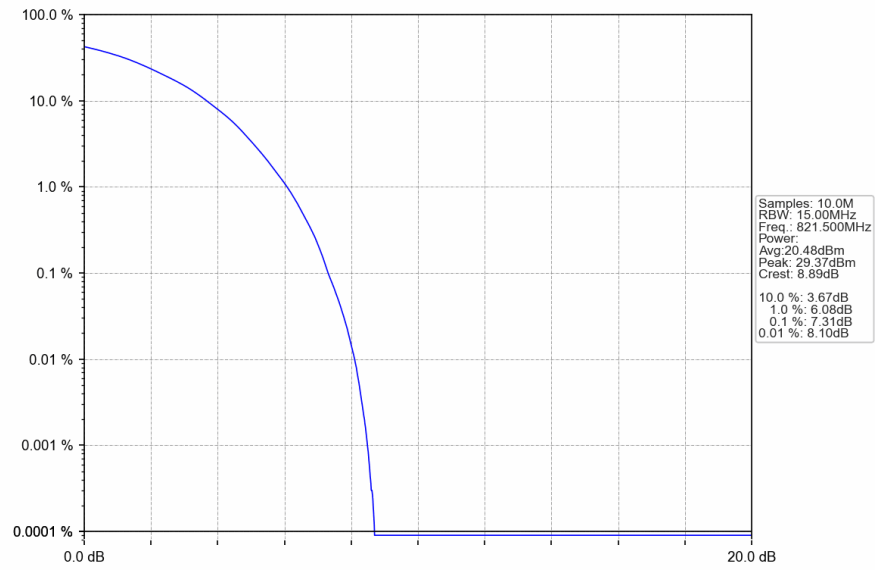
Band26c 15MHz 16QAM MCH 831.5MHz RB 75 0 NTNV



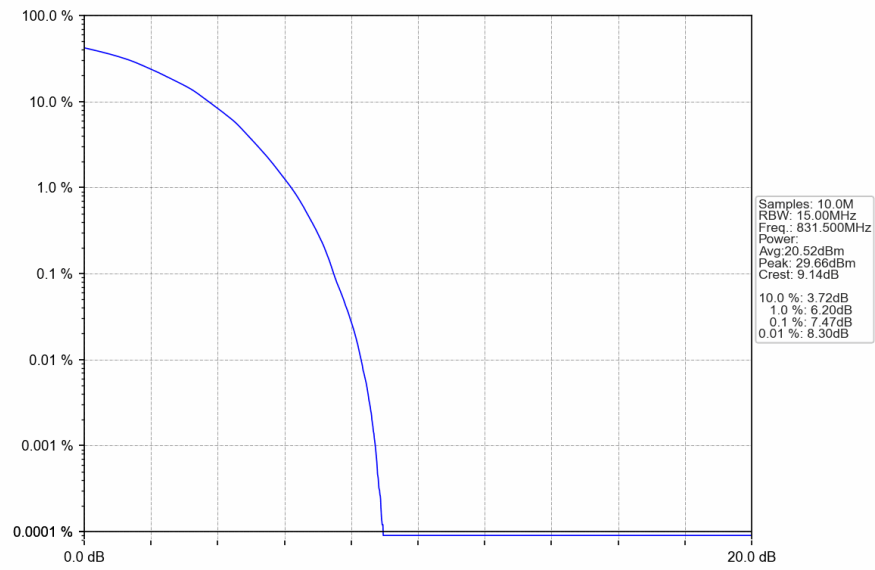
Band26c 15MHz 16QAM HCH 841.5MHz RB 75 0 NTNV



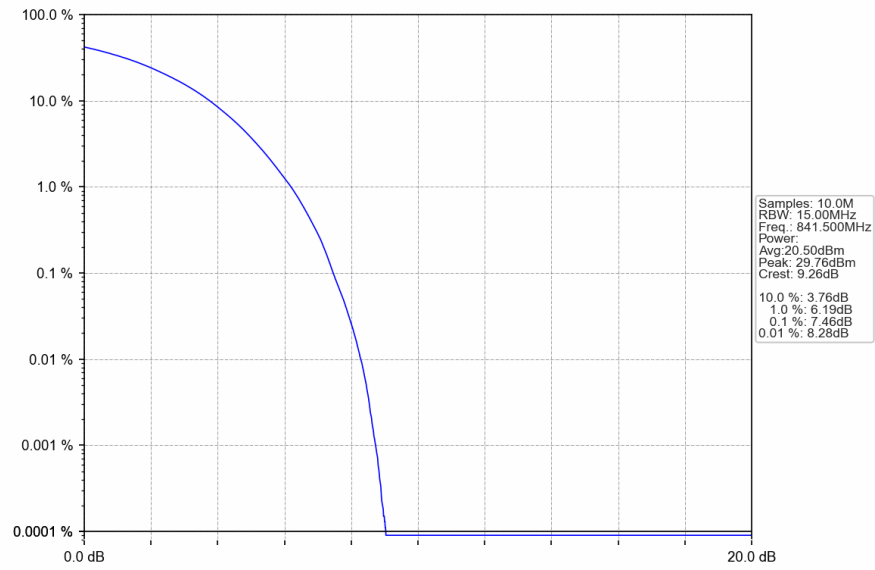
Band26c_15MHz_64QAM_LCH_821.5MHz_RB_75_0_NTNV



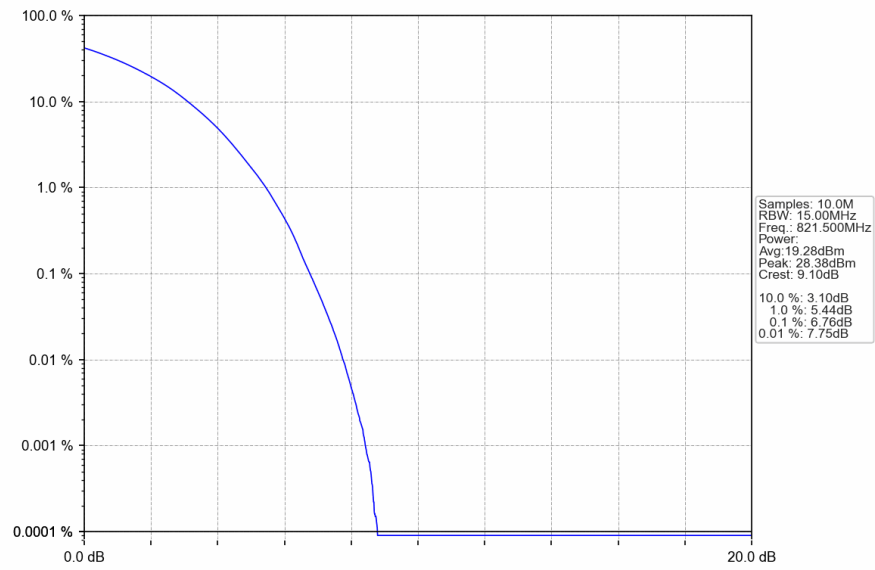
Band26c_15MHz_64QAM_MCH_831.5MHz_RB_75_0_NTNV



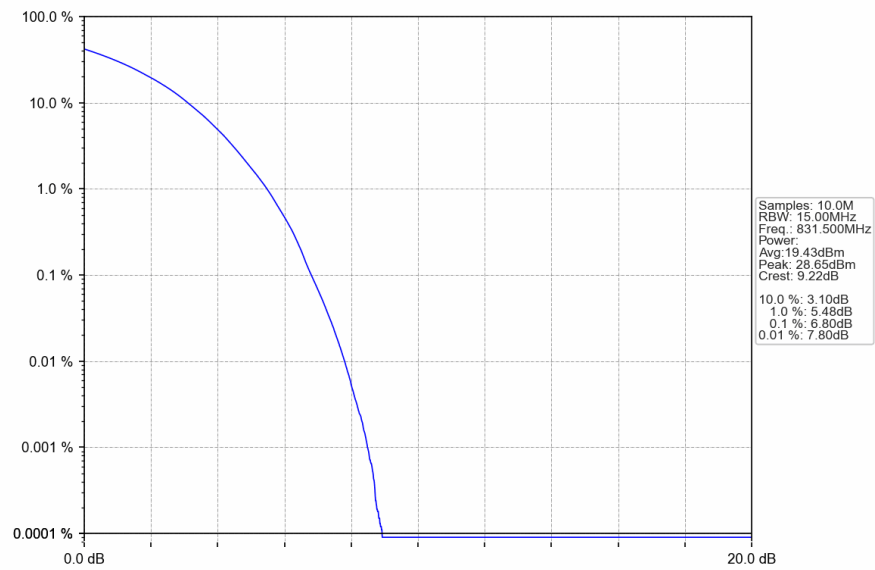
Band26c 15MHz 64QAM HCH 841.5MHz RB 75 0 NTN



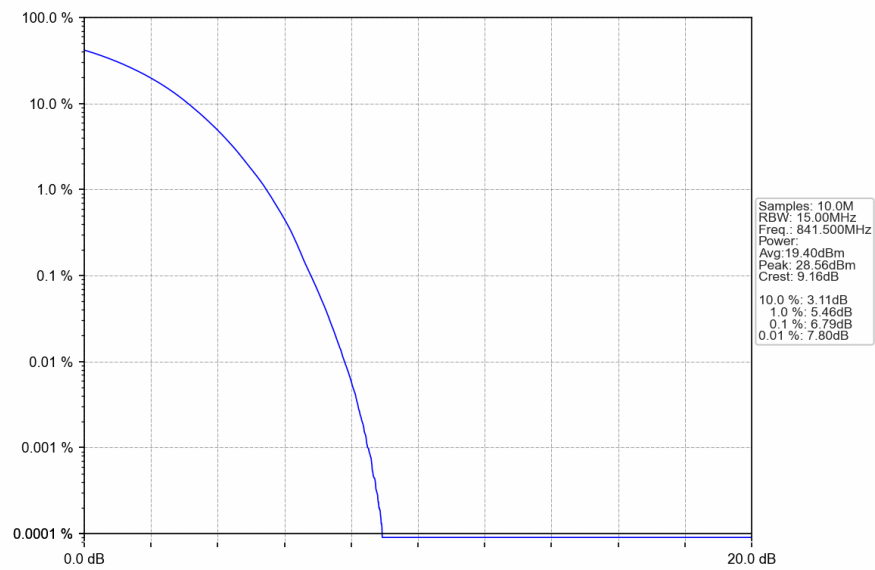
Band26c 15MHz 256QAM LCH 821.5MHz RB 75 0 NTN



Band26c_15MHz_256QAM_MCH_831.5MHz_RB_75_0_NTNV



Band26c_15MHz_256QAM_HCH_841.5MHz_RB_75_0_NTNV



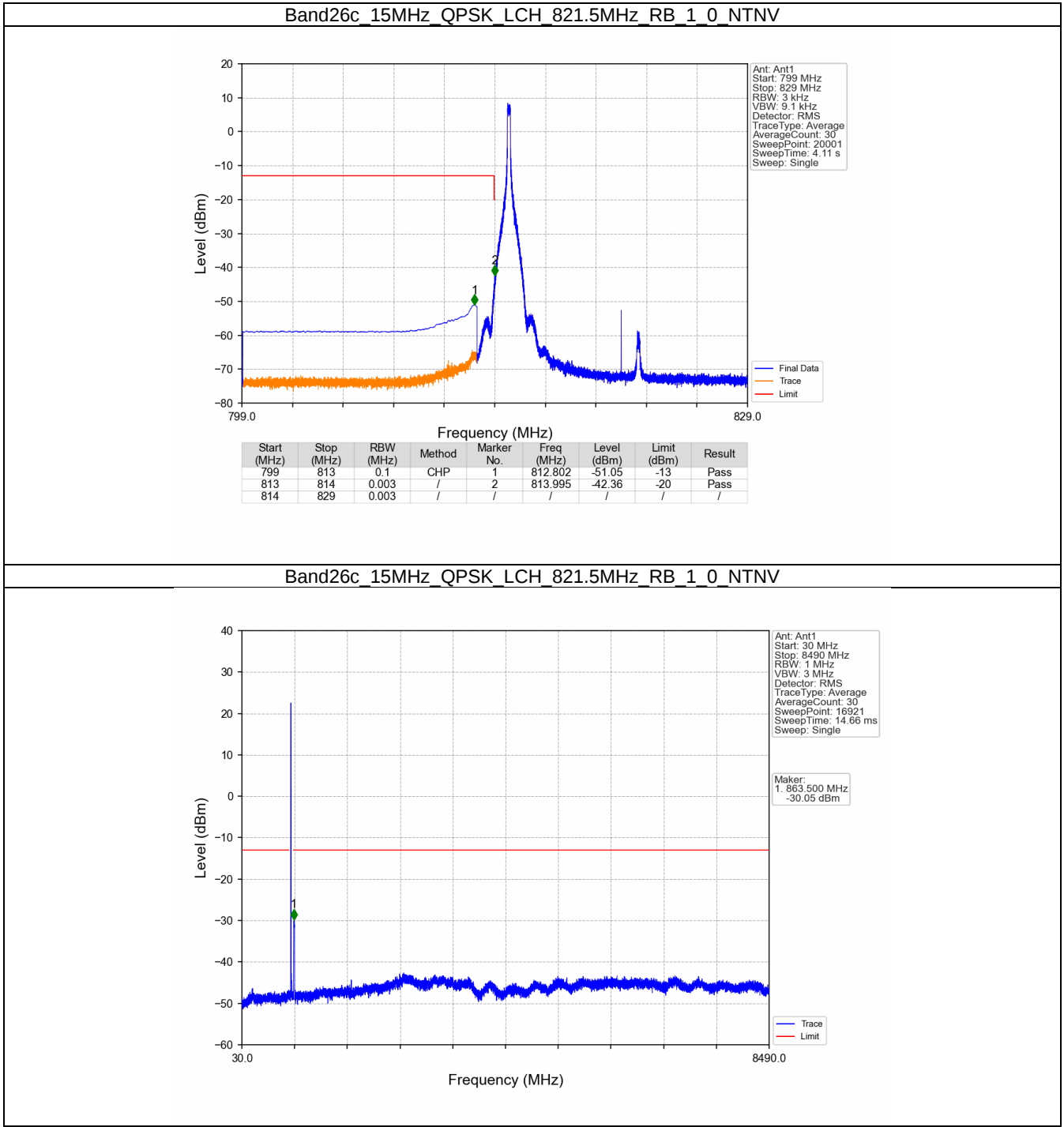
5. Spurious Emission

5.1 B26c_15MHz

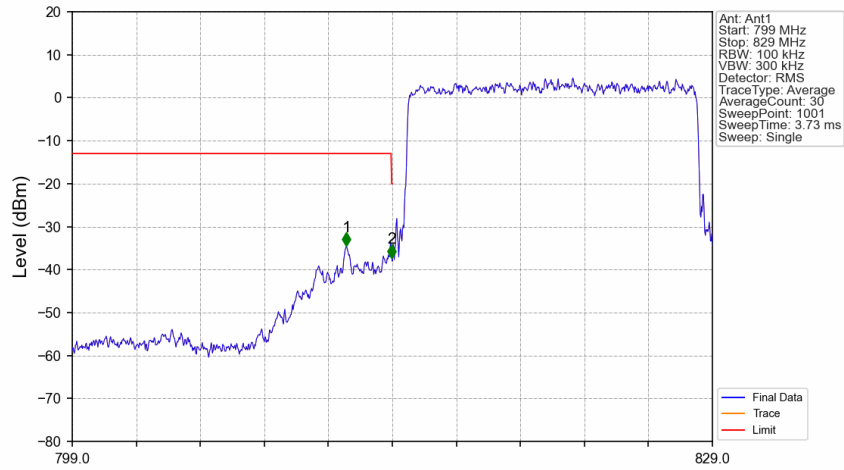
5.1.1 Test Result

Band: 26c / Bandwidth: 15MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
	841.5	1	74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

5.1.2 Test Graph

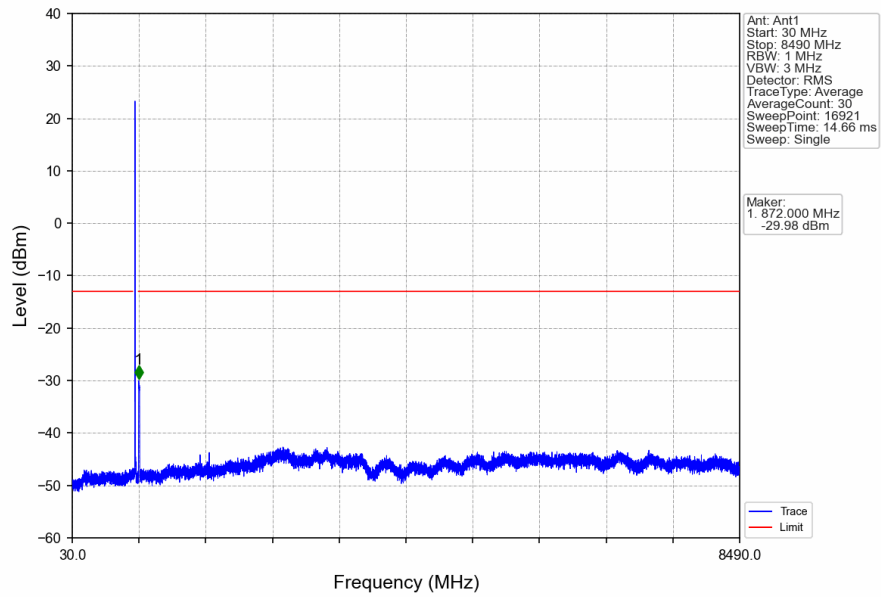


Band26c_15MHz_QPSK_LCH_821.5MHz_RB_75_0_NTNV

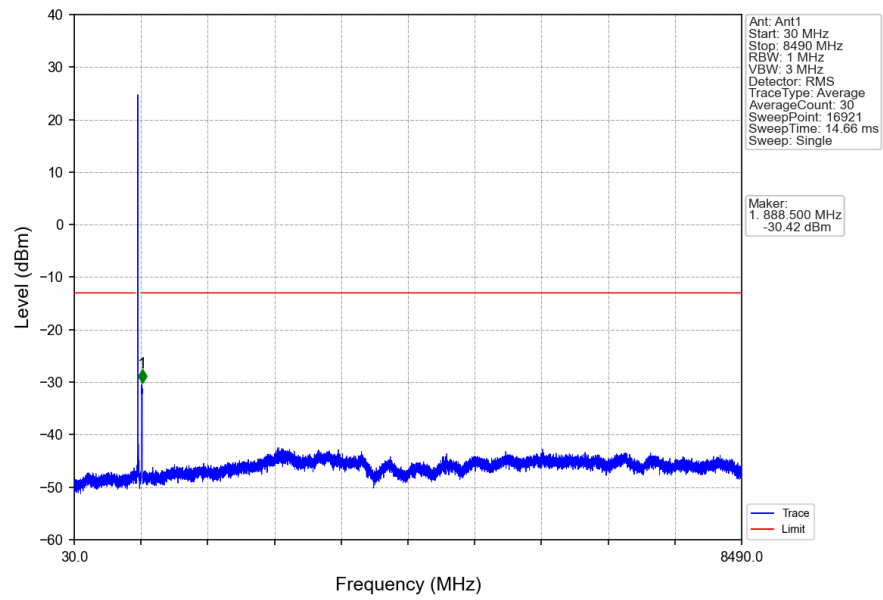


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
799	813	0.1	/	1	811.840	-34.58	-13	Pass
813	814	0.151	/	2	813.970	-37.25	-20	Pass
814	829	0.151	/	/	/	/	/	/

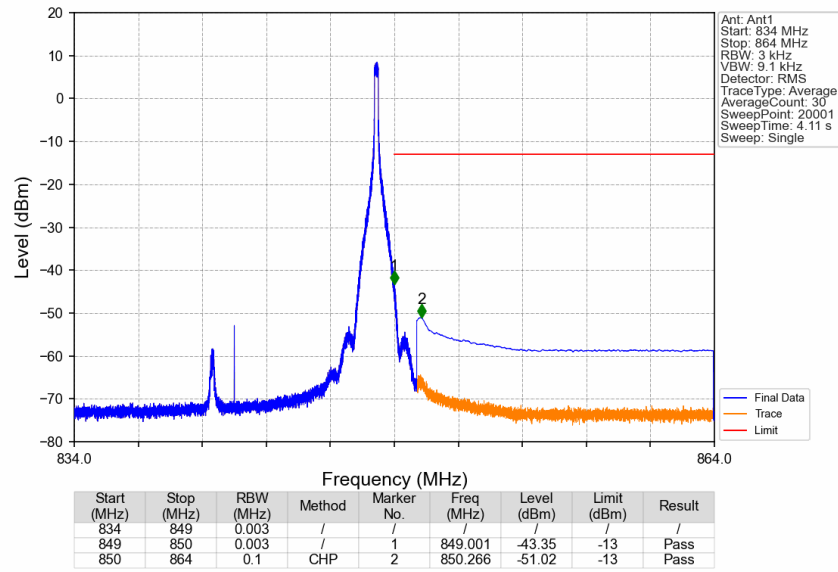
Band26c_15MHz_QPSK_MCH_831.5MHz_RB_1_0_NTNV



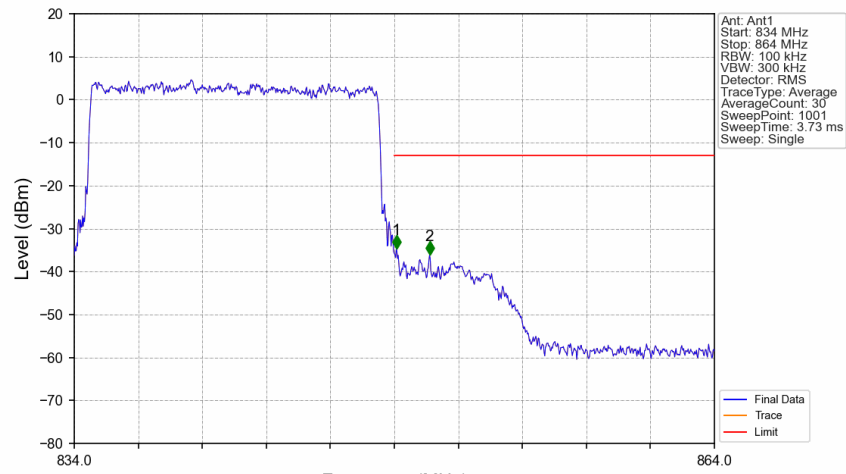
Band26c 15MHz QPSK HCH 841.5MHz RB 1 0 NTNV



Band26c 15MHz QPSK HCH 841.5MHz RB 1 74 NTNV



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	0.151	/	/	/	/	/	/
849	850	0.151	/	1	849.090	-34.75	-13	Pass
850	864	0.1	/	2	850.650	-36.12	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 26 814-849-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
1629.5	-66.79	-13	-53.79	-69.72	2.62	5.55	Horizontal	Pass
2444.25	-65.18	-13	-52.18	-67.83	3.04	5.69	Horizontal	Pass
3259.0	-66.86	-13	-53.86	-71.15	3.28	7.57	Horizontal	Pass
1629.5	-66.15	-13	-53.15	-69.08	2.62	5.55	Vertical	Pass
2444.25	-65.96	-13	-52.96	-68.61	3.04	5.69	Vertical	Pass
3259.0	-66.83	-13	-53.83	-71.12	3.28	7.57	Vertical	Pass

LTE Band 26 814-849-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
1649.5	-68.98	-13	-55.98	-71.86	2.62	5.5	Horizontal	Pass
2474.25	-67.48	-13	-54.48	-70.18	3.06	5.76	Horizontal	Pass
3299.0	-67.07	-13	-54.07	-71.44	3.3	7.67	Horizontal	Pass
1649.5	-62.6	-13	-49.6	-65.48	2.62	5.5	Vertical	Pass
2474.25	-67.81	-13	-54.81	-70.51	3.06	5.76	Vertical	Pass
3299.0	-66.77	-13	-53.77	-71.14	3.3	7.67	Vertical	Pass

LTE Band 26 814-849-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
1669.5	-73.03	-13	-60.03	-75.85	2.63	5.45	Horizontal	Pass
2504.5	-69.53	-13	-56.53	-72.28	3.08	5.83	Horizontal	Pass
3339.0	-67.05	-13	-54.05	-71.5	3.32	7.77	Horizontal	Pass
1669.5	-72.64	-13	-59.64	-75.46	2.63	5.45	Vertical	Pass
2504.5	-69.52	-13	-56.52	-72.27	3.08	5.83	Vertical	Pass
3339.0	-67.07	-13	-54.07	-71.52	3.32	7.77	Vertical	Pass