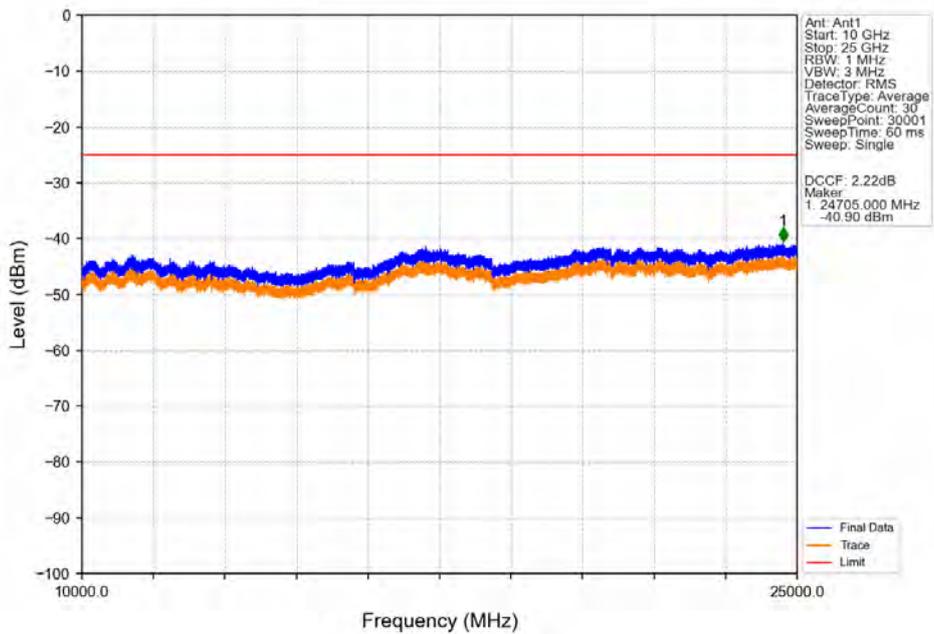


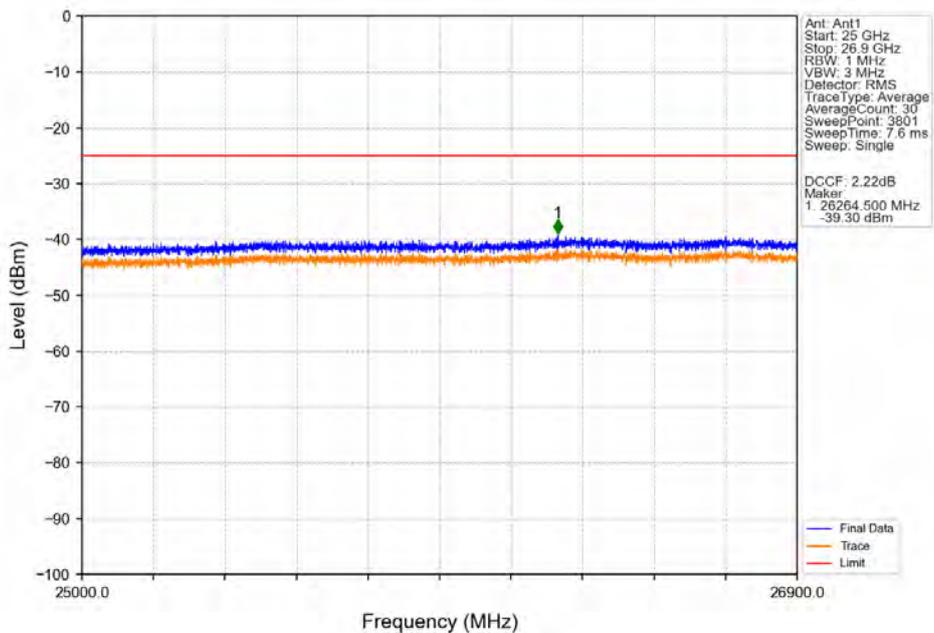


Test Report No.: PSU-NQN2504150110RF03

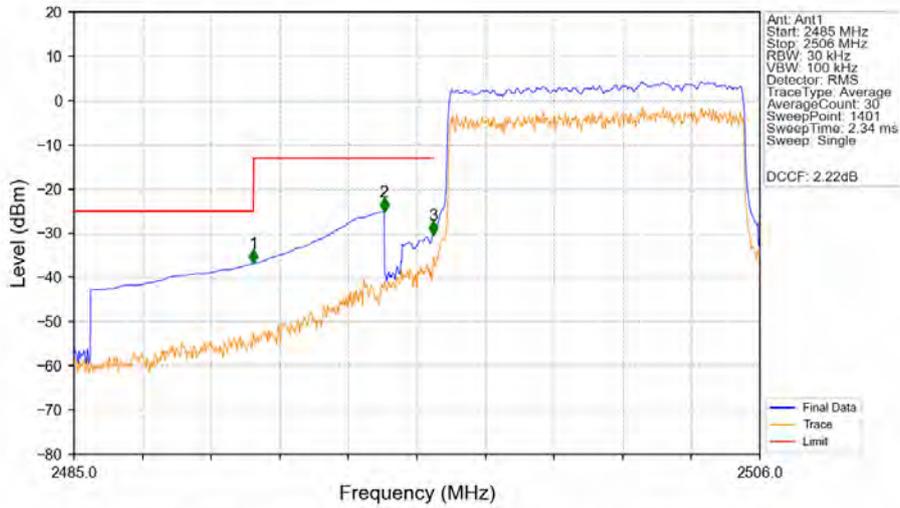
### Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_1\_0\_NTNV



### Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_1\_0\_NTNV

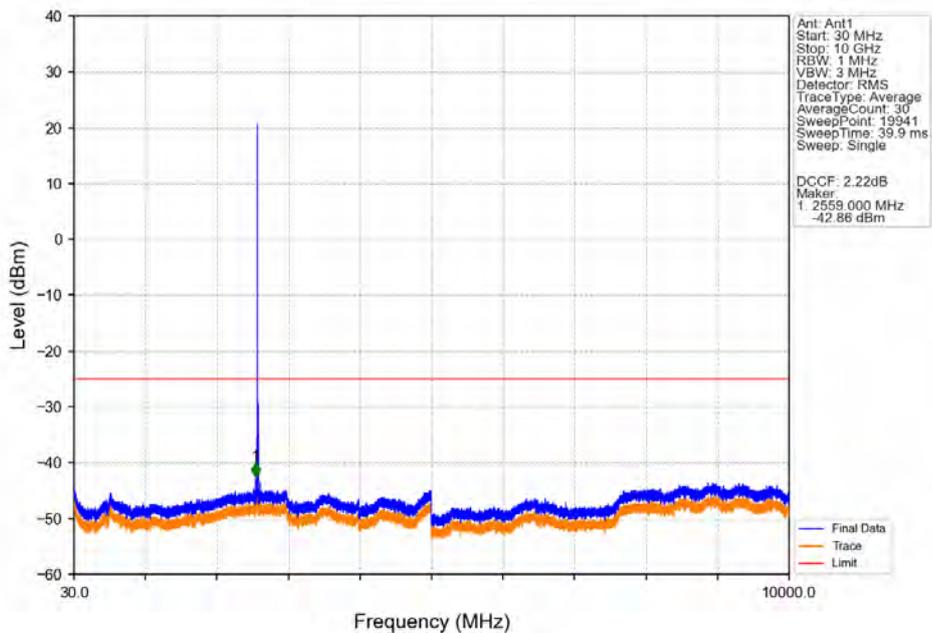


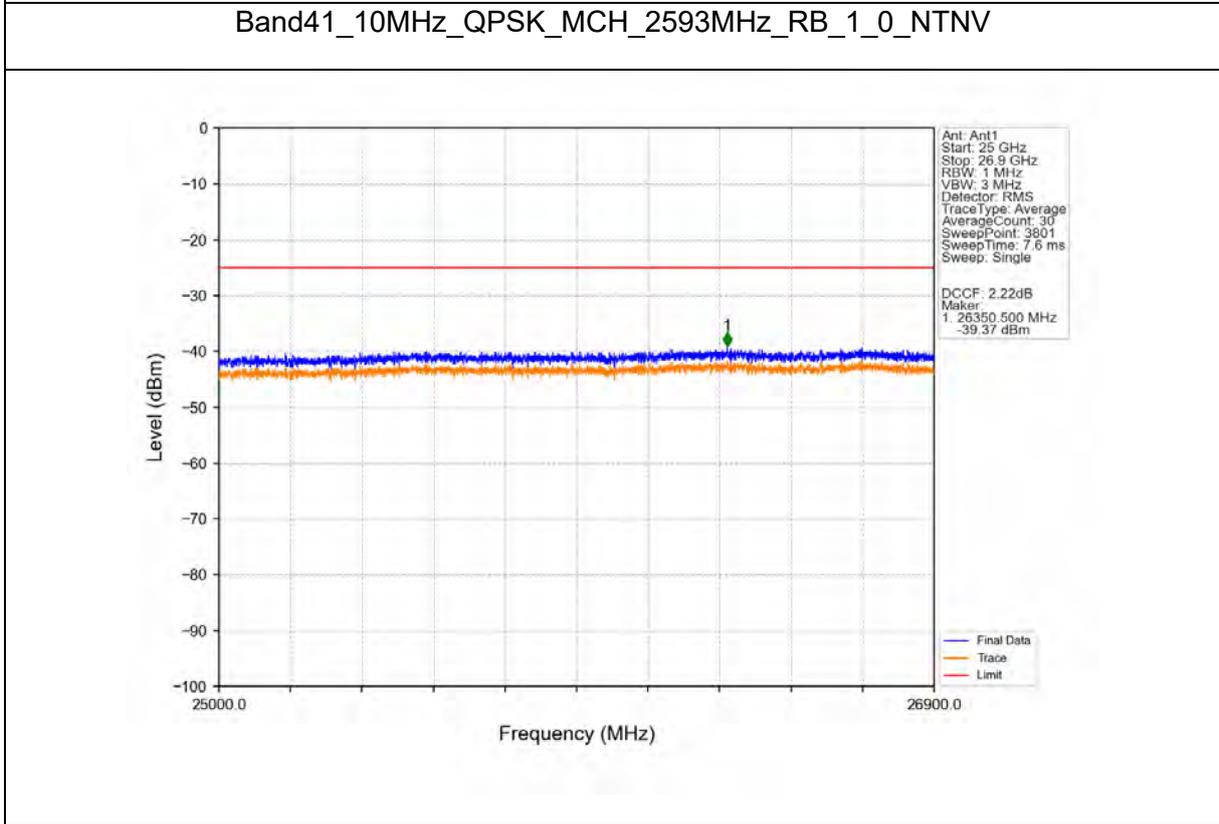
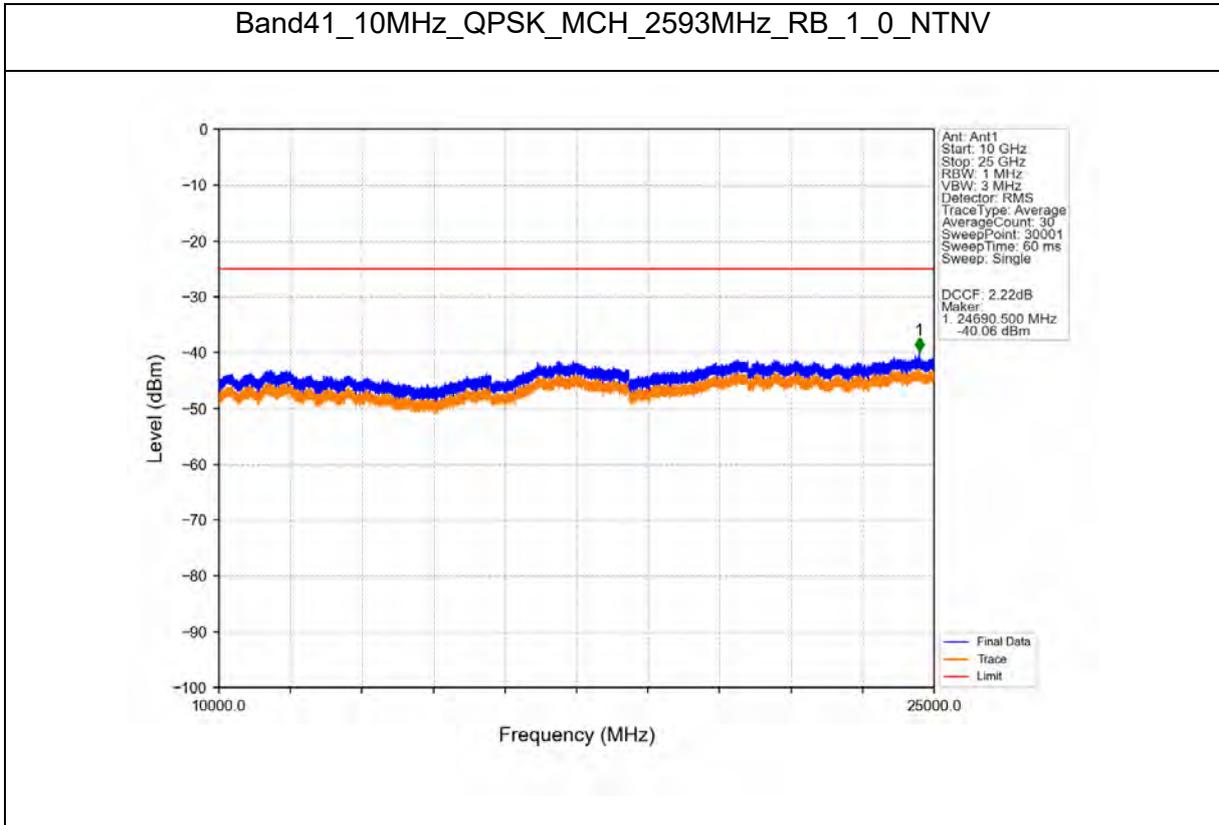
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



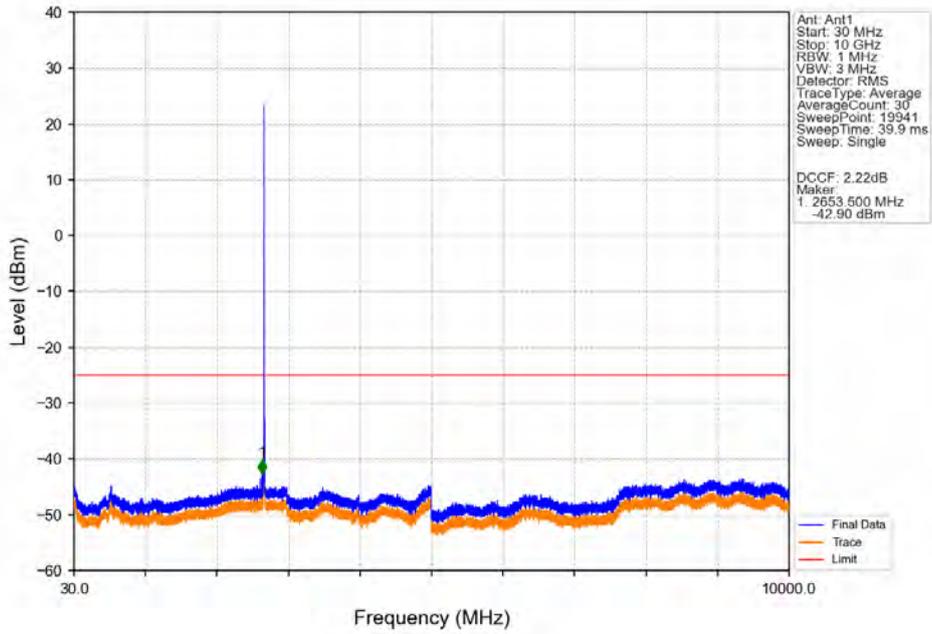
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-36.86	25	Pass
2490.5	2495	1	CHP	2	2494.495	-25.05	-13	Pass
2495	2496	0.099	CHP	3	2495.995	-30.32	-13	Pass
2496	2506	0.099	CHP	/	/	/	/	/

Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV

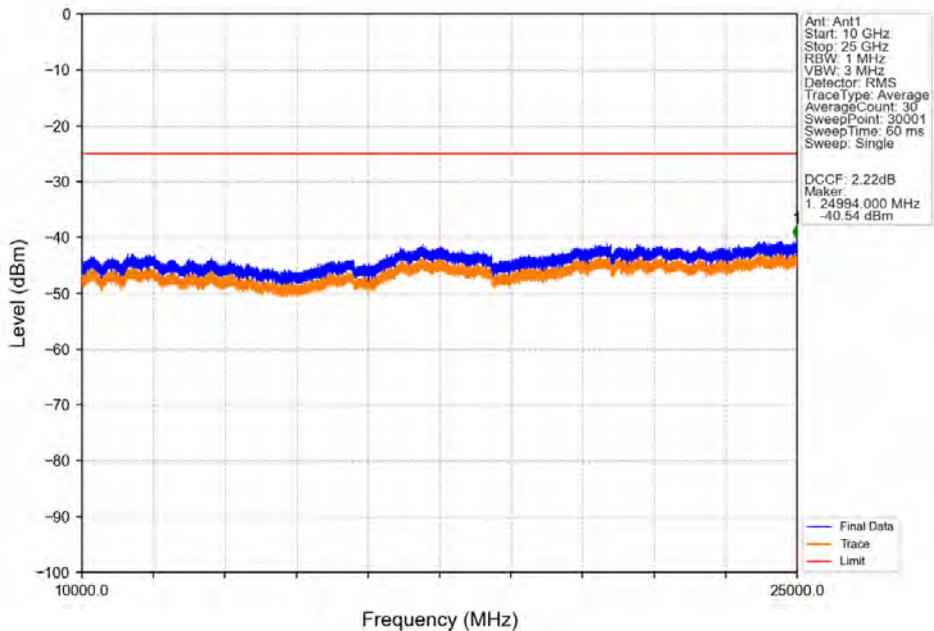




Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV



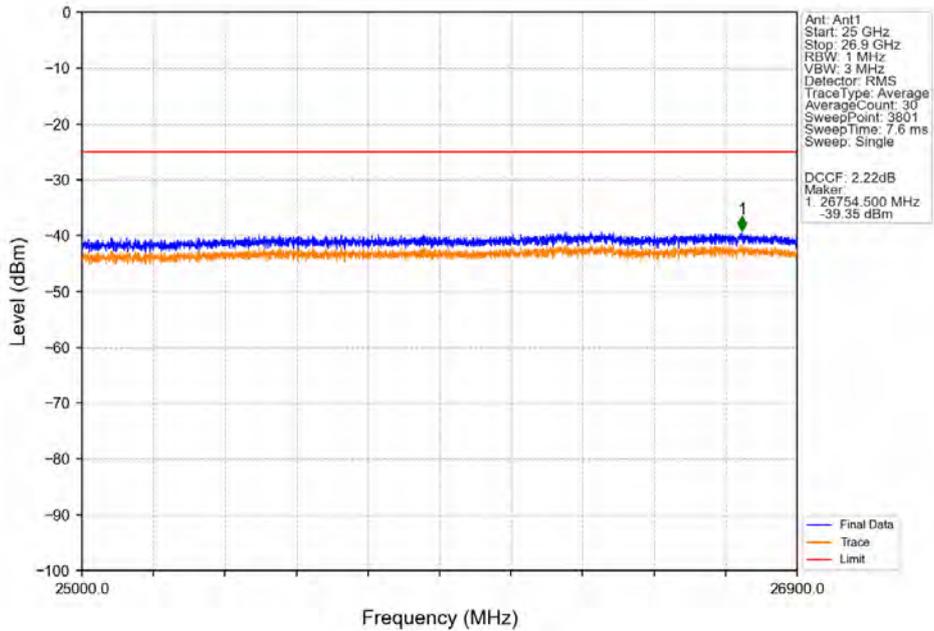
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV



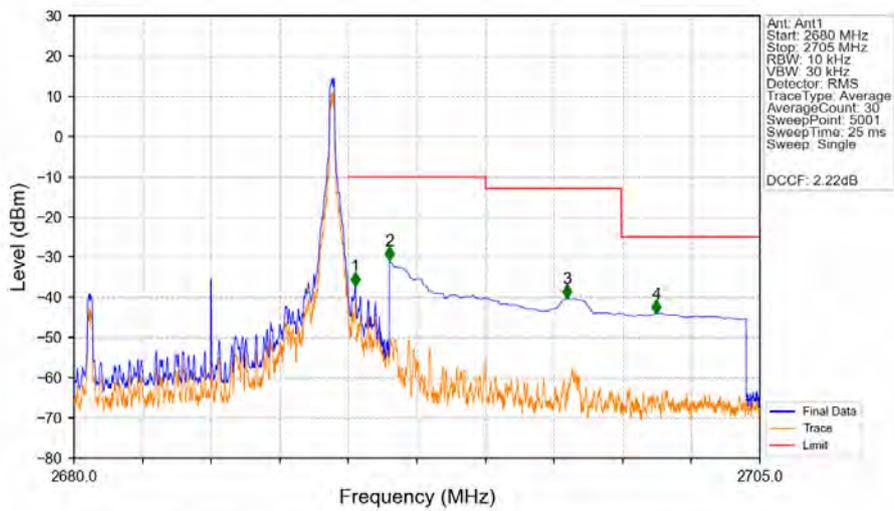


Test Report No.: PSU-NQN2504150110RF03

Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV

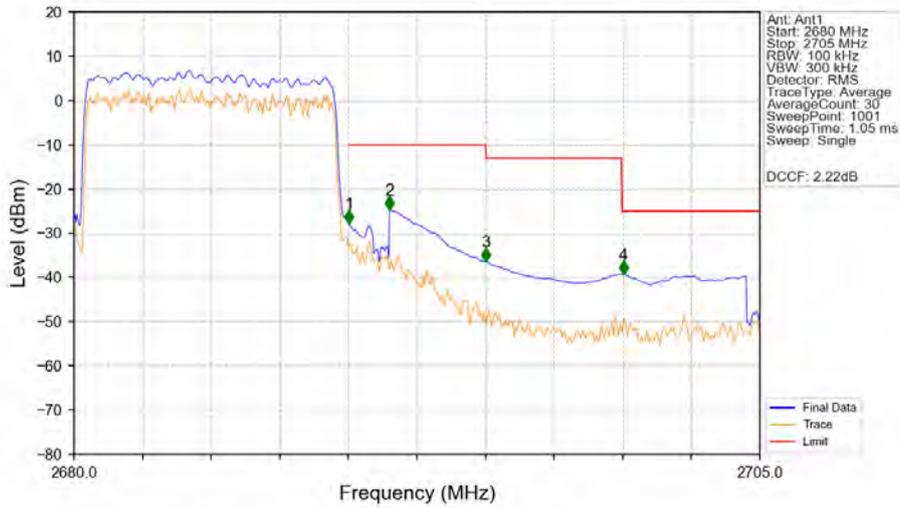


Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_49\_NTNV



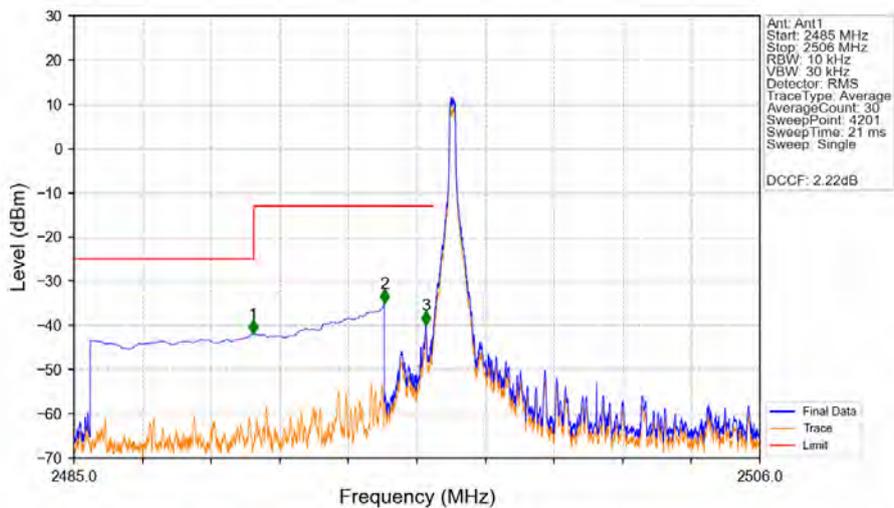
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.250	-37.16	-10	Pass
2691	2695	1	CHP	2	2691.500	-30.80	-10	Pass
2695	2699.95	1	CHP	3	2697.980	-40.33	-13	Pass
2699.95	2705	1	CHP	4	2701.225	-44.01	-25	Pass

Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



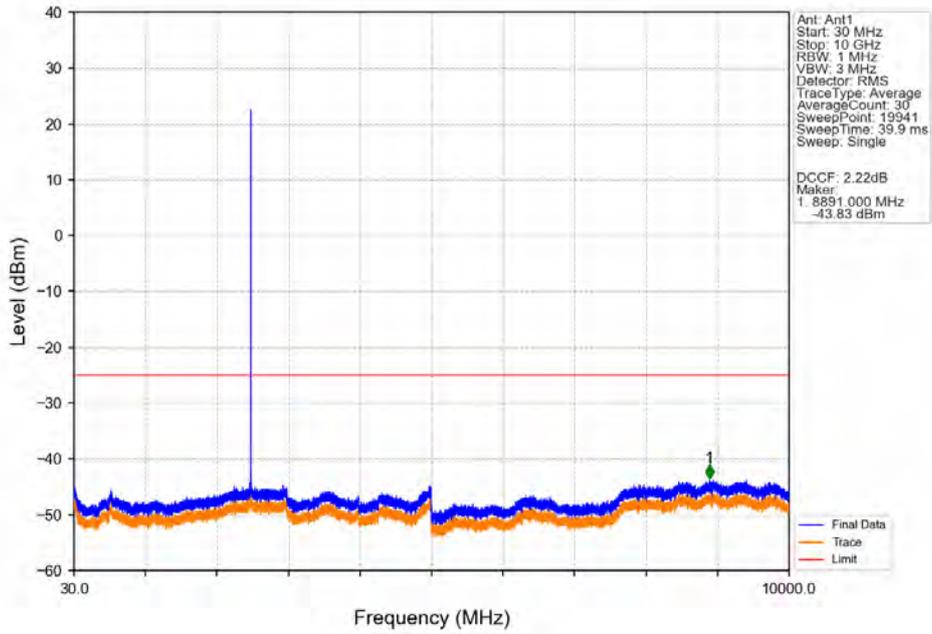
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.199	CHP	/	/	/	/	/
2690	2691	0.199	CHP	1	2690.025	-27.81	-10	Pass
2691	2695	1	CHP	2	2691.500	-24.69	-10	Pass
2695	2699.95	1	CHP	3	2695.025	-36.35	-13	Pass
2699.95	2705	1	CHP	4	2700.025	-39.29	-25	Pass

Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV

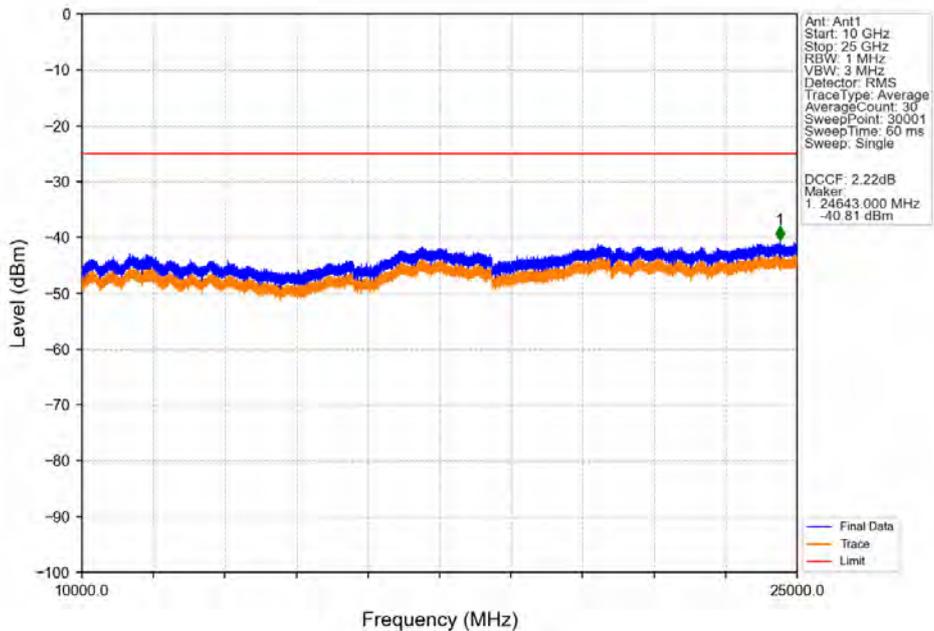


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.475	-41.94	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-34.96	-13	Pass
2495	2496	0.01	/	3	2495.775	-39.89	-13	Pass
2496	2506	0.01	/	/	/	/	/	/

Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



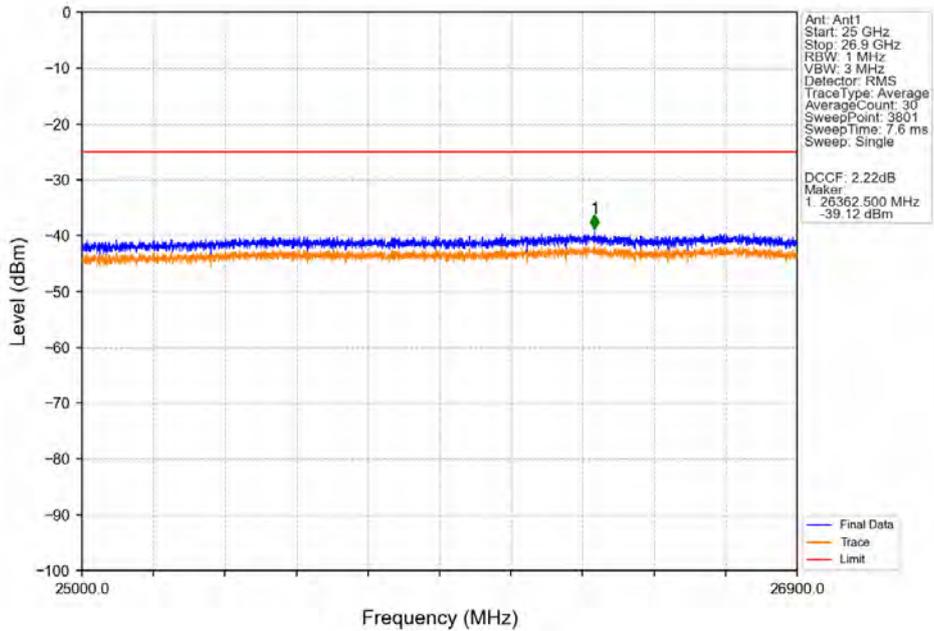
Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



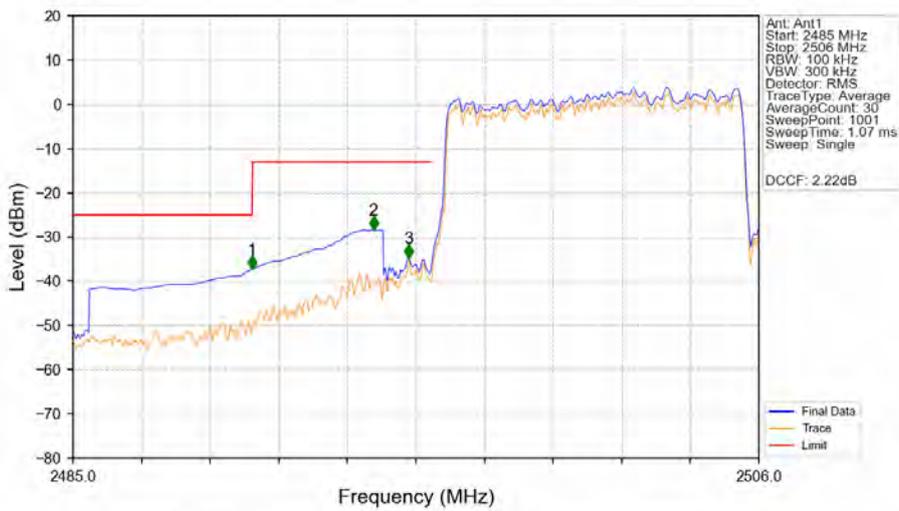


Test Report No.: PSU-NQN2504150110RF03

Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV

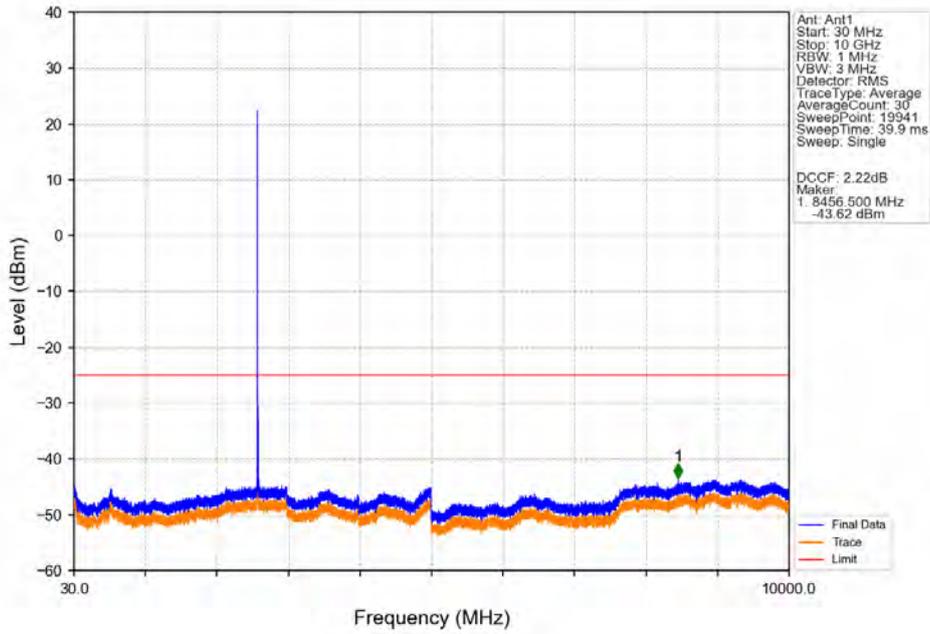


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.481	-37.30	-25	Pass
2490.5	2495	1	CHP	2	2494.198	-28.37	-13	Pass
2495	2496	0.102	CHP	3	2495.269	-34.71	-13	Pass
2496	2506	0.102	CHP	/	/	/	/	/

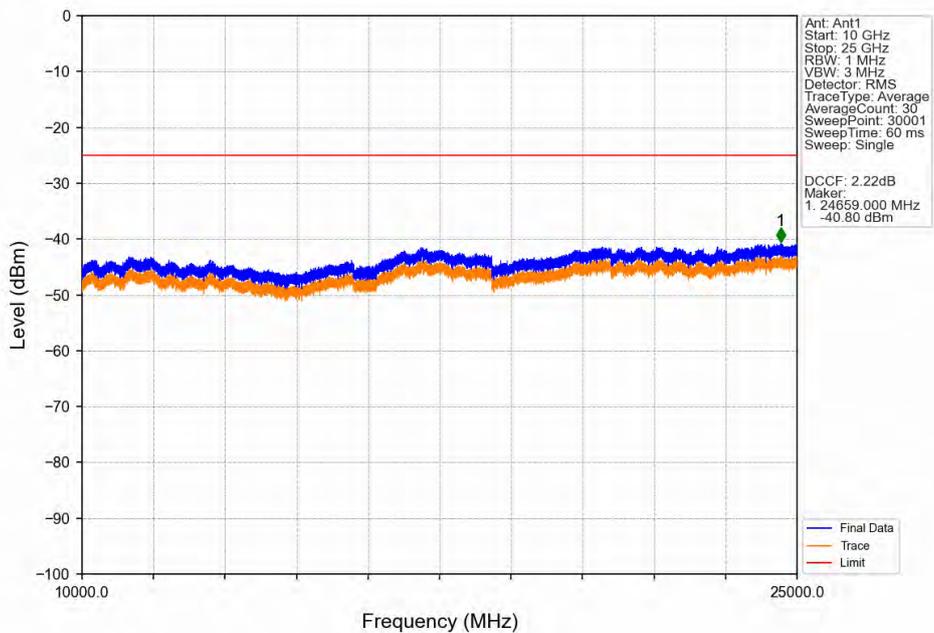


Test Report No.: PSU-NQN2504150110RF03

Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV

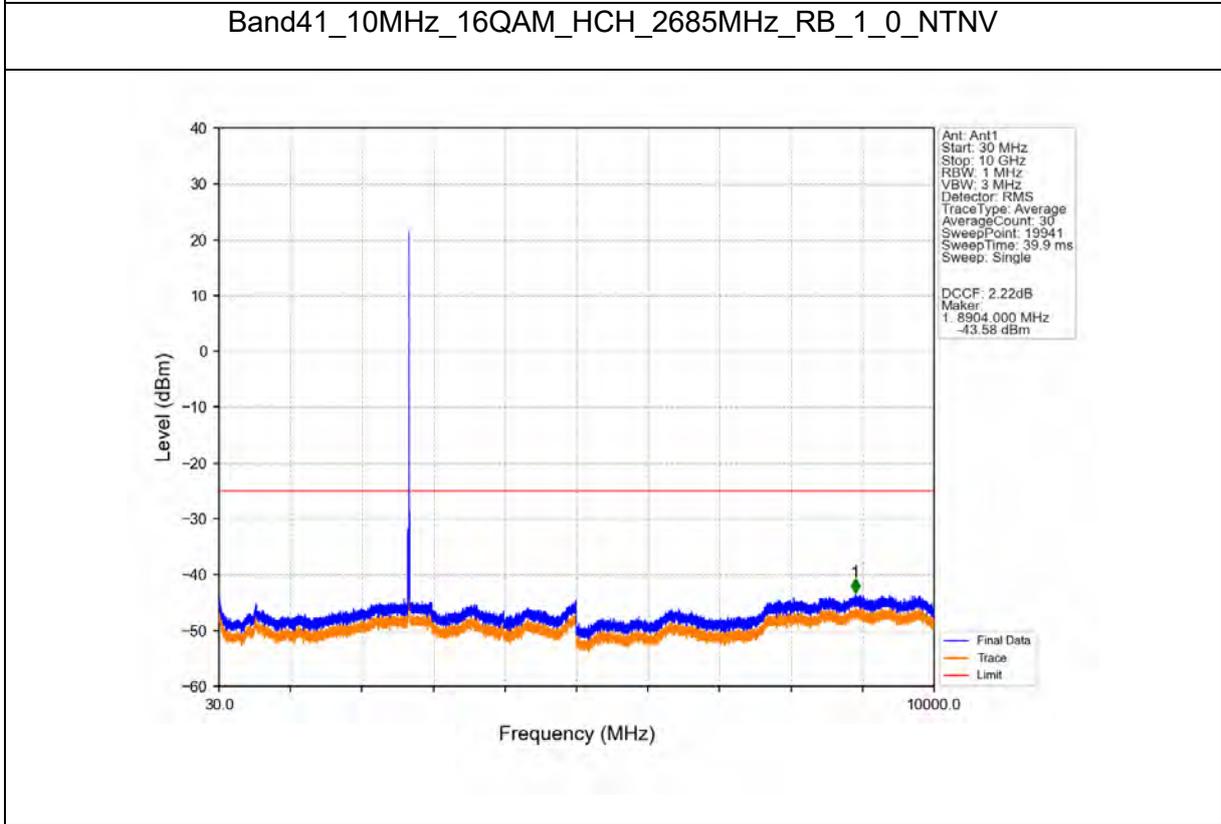
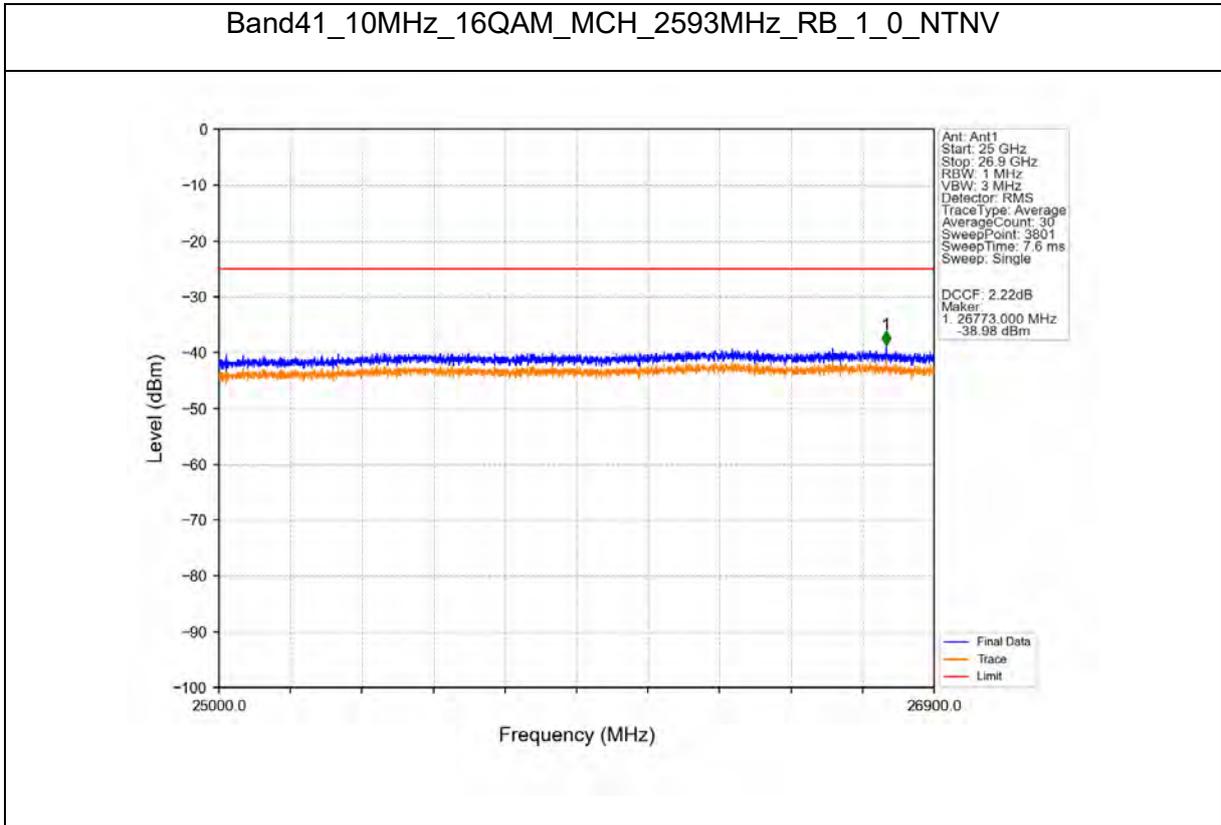


Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV





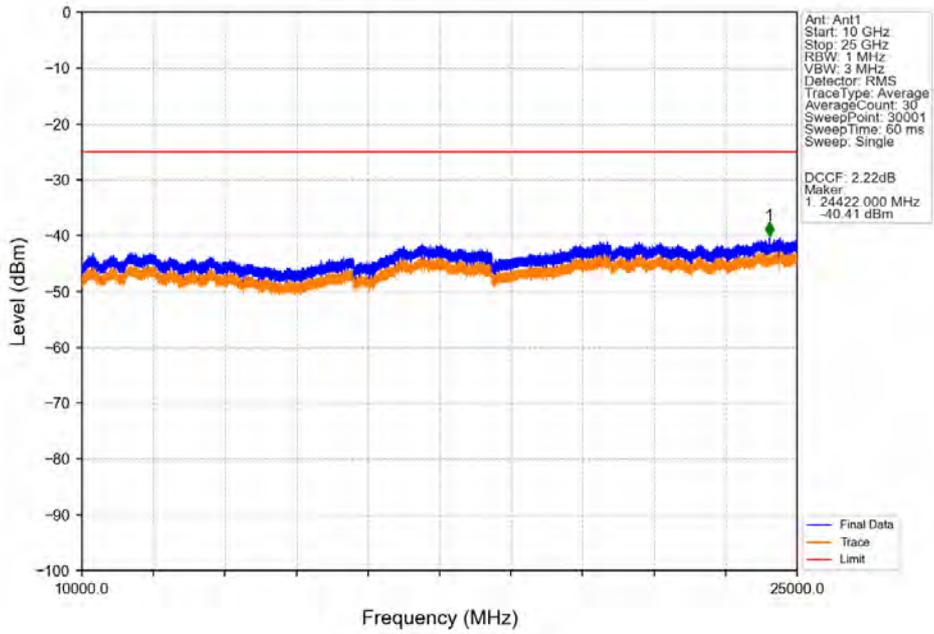
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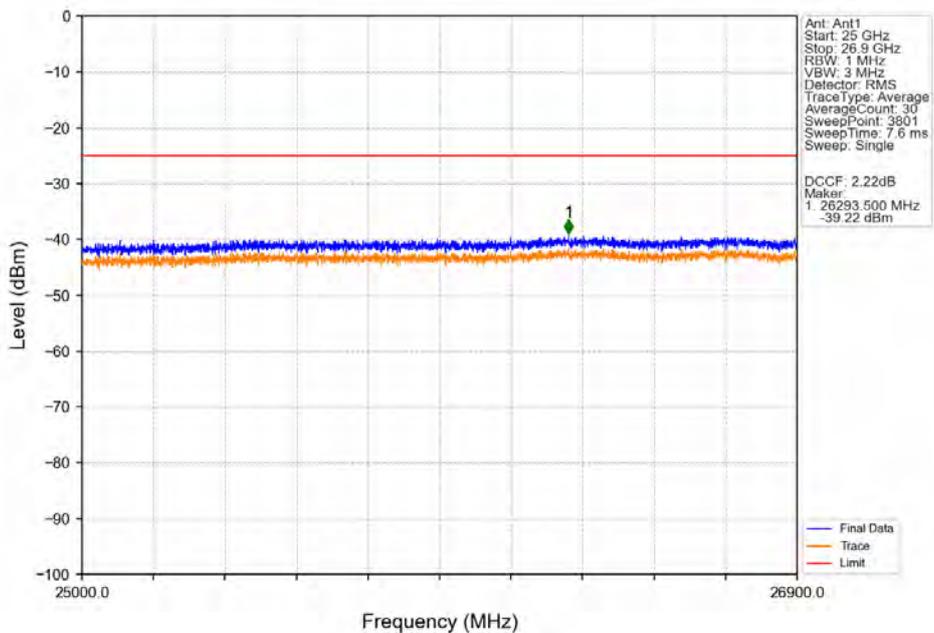


Test Report No.: PSU-NQN2504150110RF03

Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV



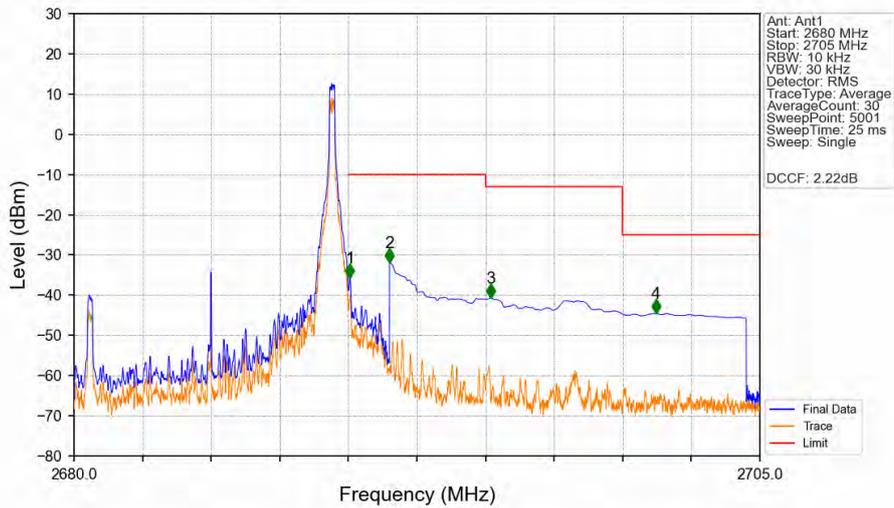
Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV





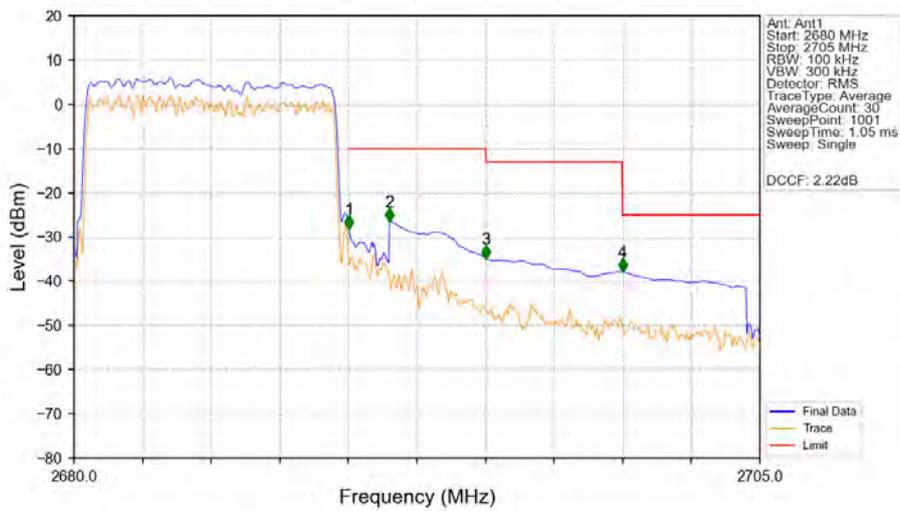
Test Report No.: PSU-NQN2504150110RF03

Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_1\_49\_NTNV



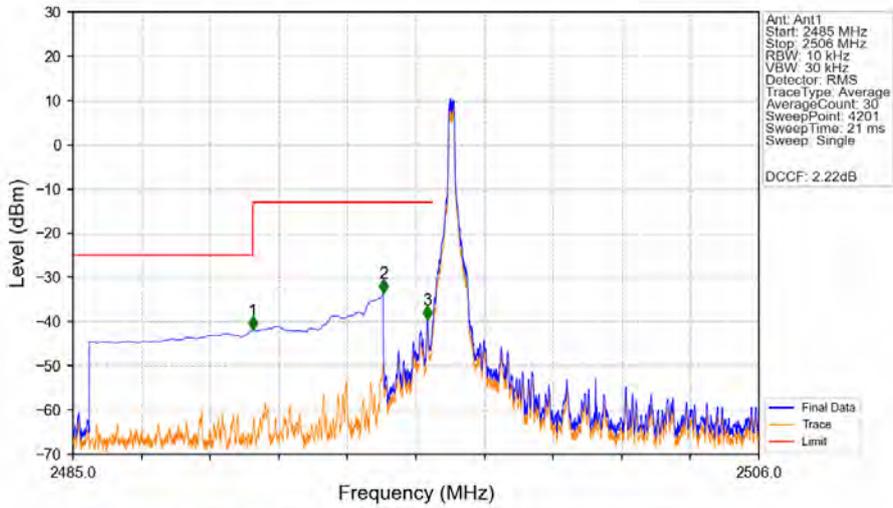
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.060	-35.71	-10	Pass
2691	2695	1	CHP	2	2691.500	-31.84	-10	Pass
2695	2699.99	1	CHP	3	2695.180	-40.64	-13	Pass
2699.99	2705	1	CHP	4	2701.210	-44.56	-25	Pass

Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV



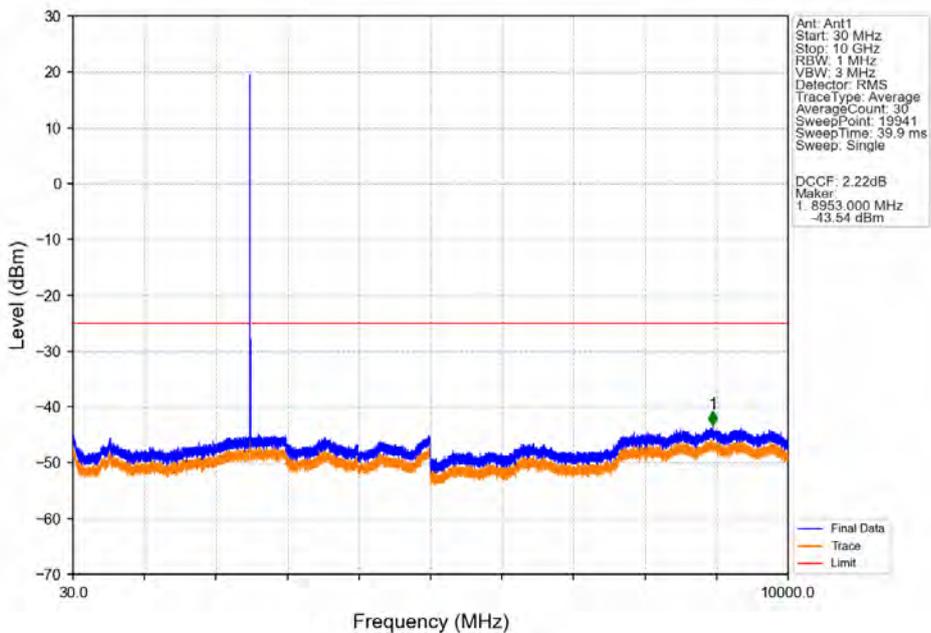
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.2	CHP	/	/	/	/	/
2690	2691	0.2	CHP	1	2690.025	-28.30	-10	Pass
2691	2695	1	CHP	2	2691.500	-26.54	-10	Pass
2695	2699.99	1	CHP	3	2695.025	-34.87	-13	Pass
2699.99	2705	1	CHP	4	2700.000	-37.94	-25	Pass

Band41\_10MHz\_64QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV

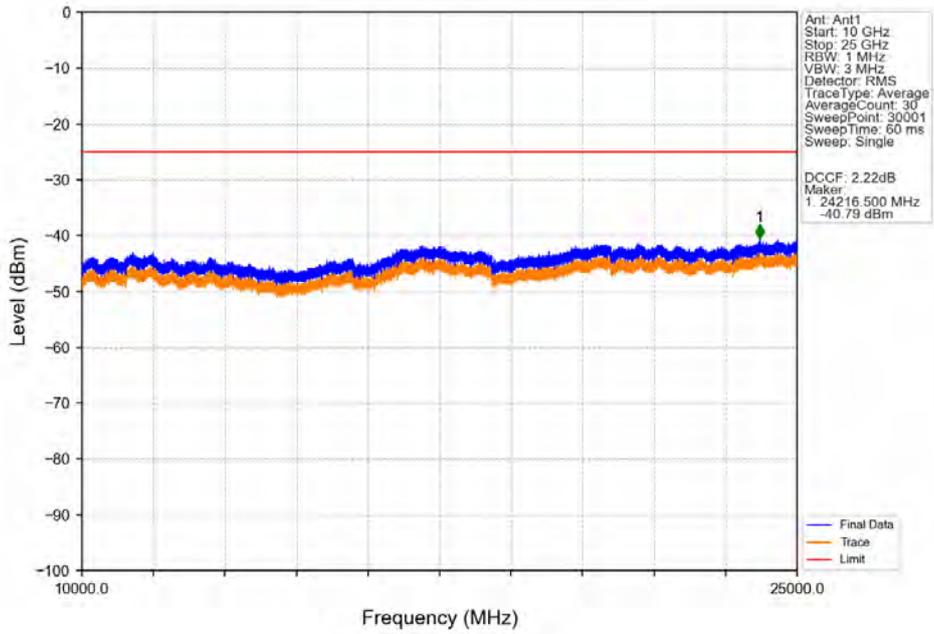


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-41.83	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-33.54	-13	Pass
2495	2496	0.01	/	3	2495.855	-39.60	-13	Pass
2496	2506	0.01	/	/	/	/	/	/

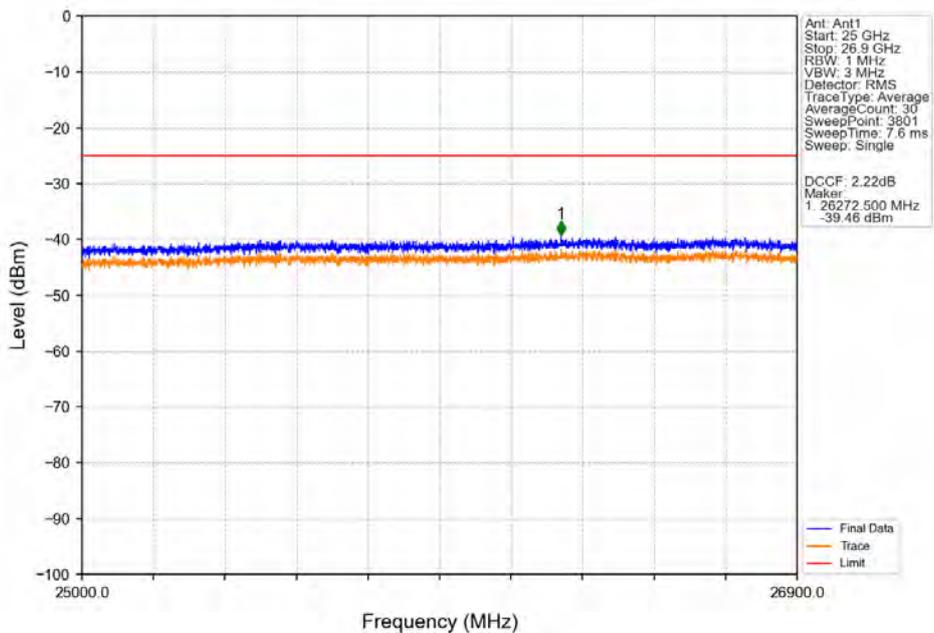
Band41\_10MHz\_64QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



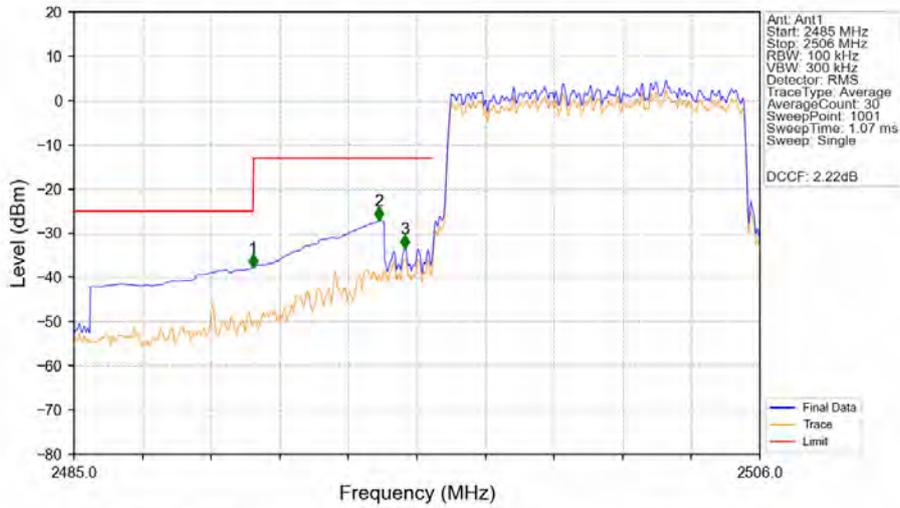
Band41\_10MHz\_64QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_64QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV

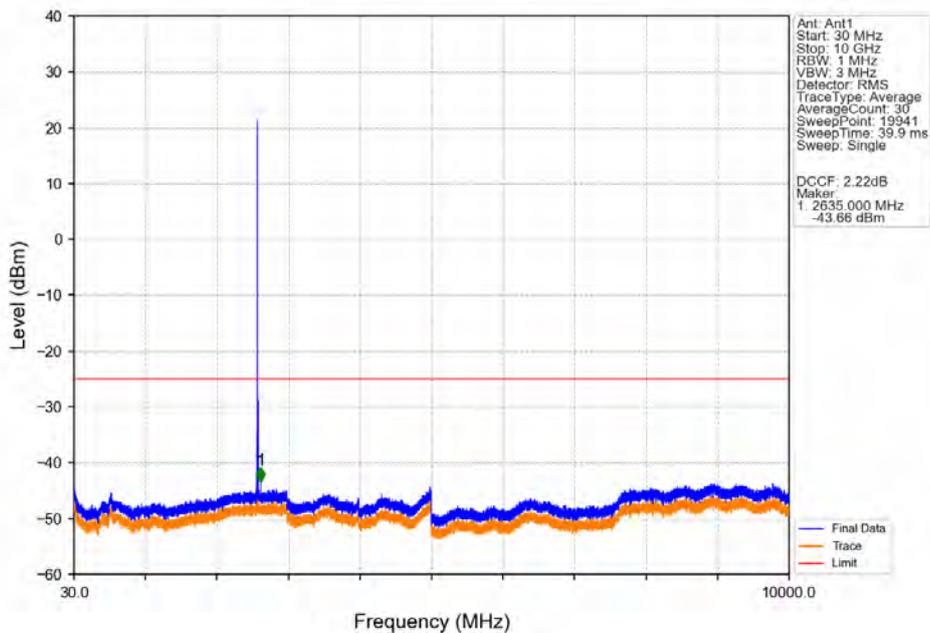


Band41\_10MHz\_64QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV

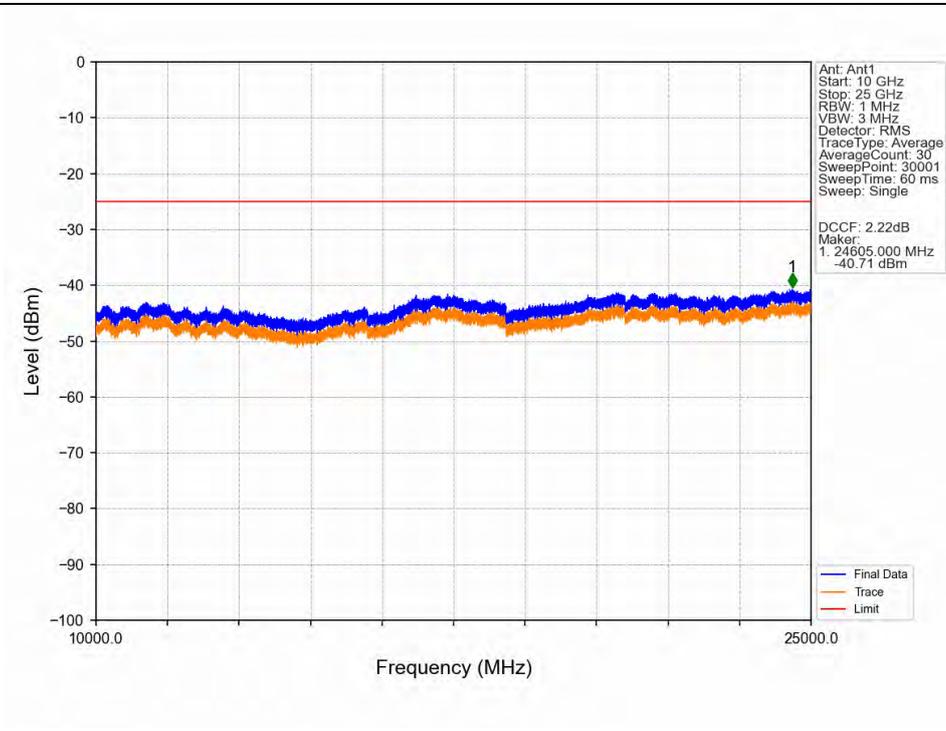


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.481	-37.80	-25	Pass
2490.5	2495	1	CHP	2	2494.345	-27.11	-13	Pass
2495	2496	0.1	/	3	2495.122	-33.55	-13	Pass
2496	2506	0.1	/	/	/	/	/	/

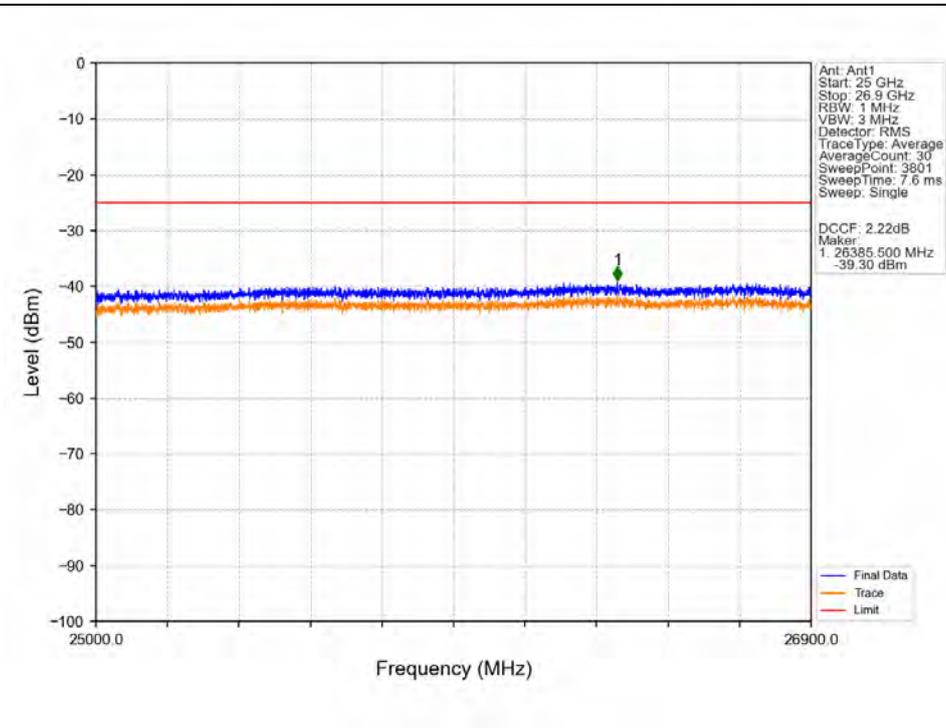
Band41\_10MHz\_64QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_64QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



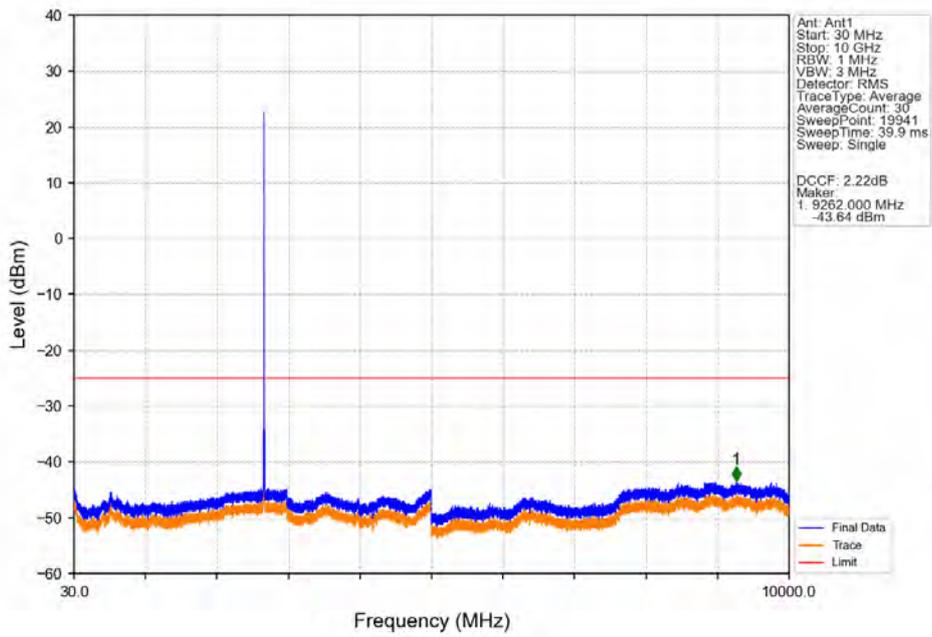
Band41\_10MHz\_64QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



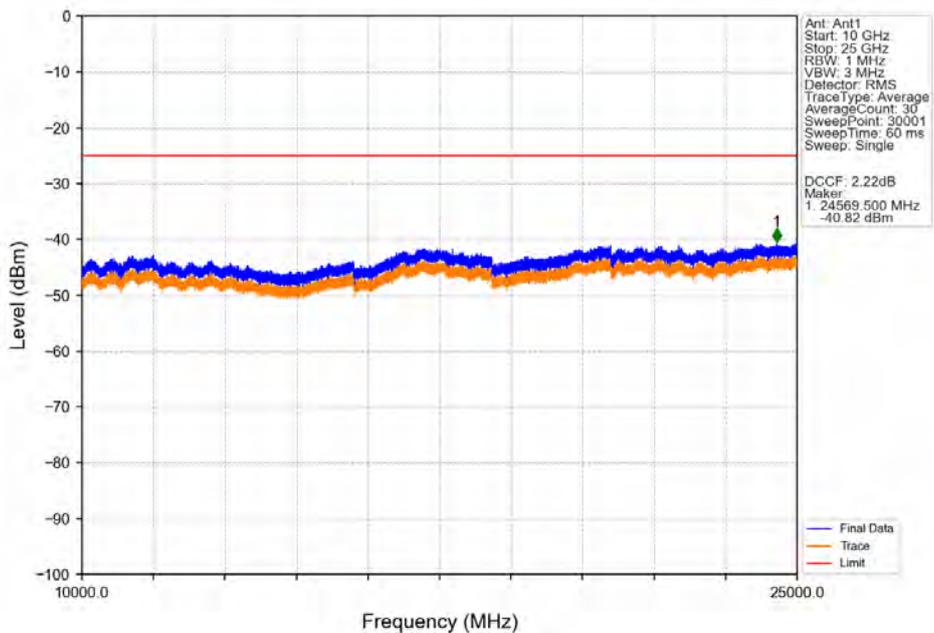


Test Report No.: PSU-NQN2504150110RF03

### Band41\_10MHz\_64QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV



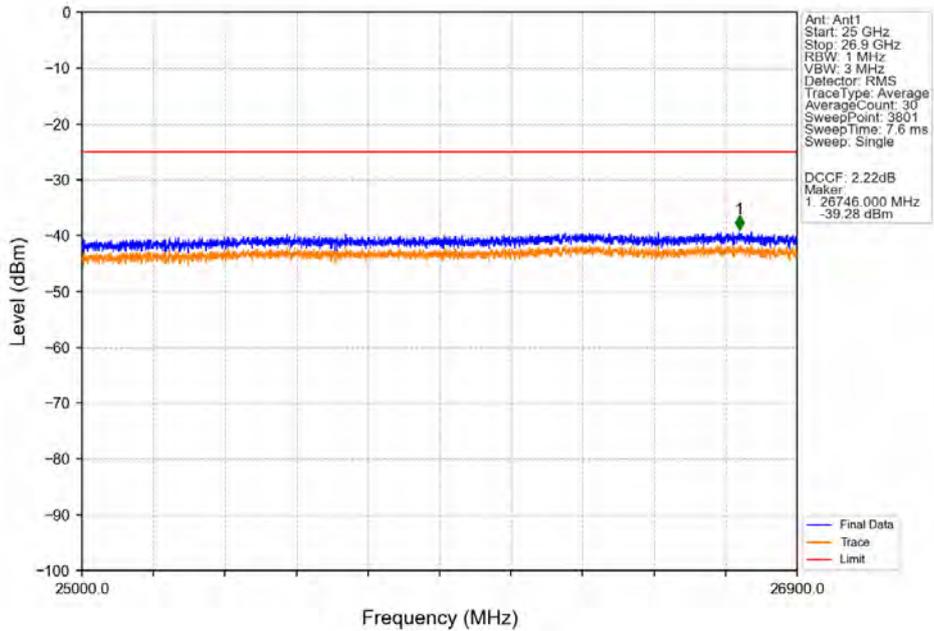
### Band41\_10MHz\_64QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV



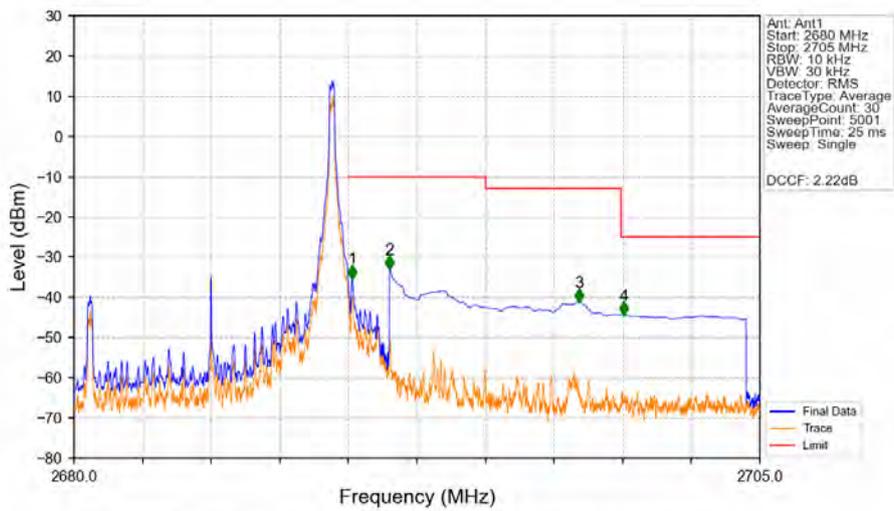


Test Report No.: PSU-NQN2504150110RF03

Band41\_10MHz\_64QAM\_HCH\_2685MHz\_RB\_1\_0\_NTNV

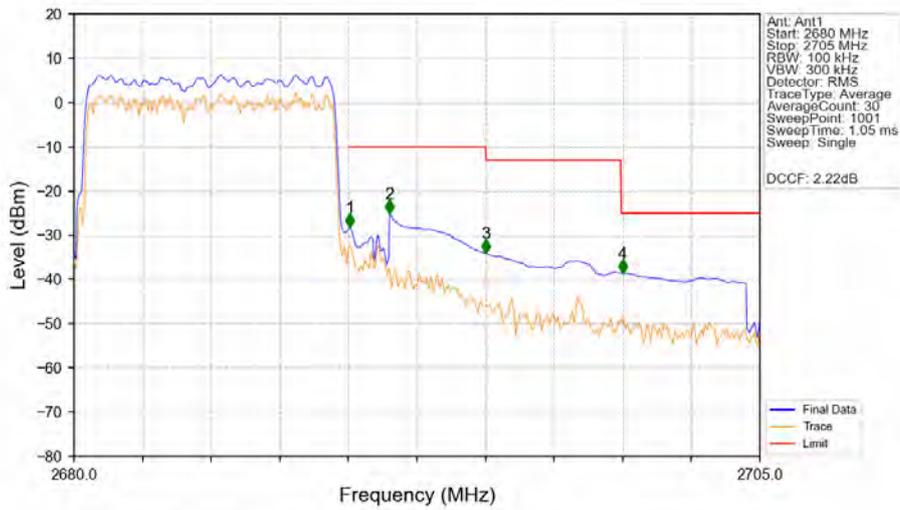


Band41\_10MHz\_64QAM\_HCH\_2685MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.140	-35.36	-10	Pass
2691	2695	1	CHP	2	2691.500	-33.00	-10	Pass
2695	2699.937	1	CHP	3	2698.405	-41.35	-13	Pass
2699.937	2705	1	CHP	4	2700.050	-44.46	-25	Pass

Band41\_10MHz\_64QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV

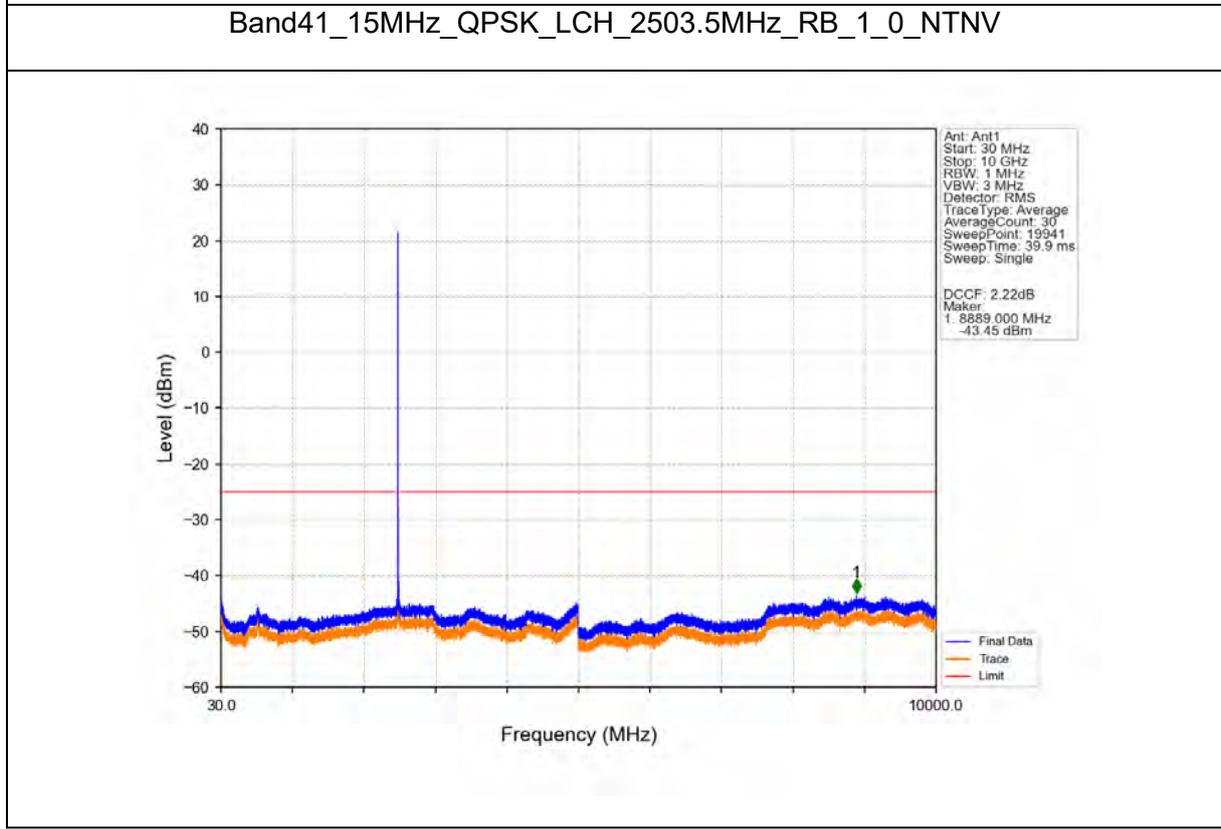
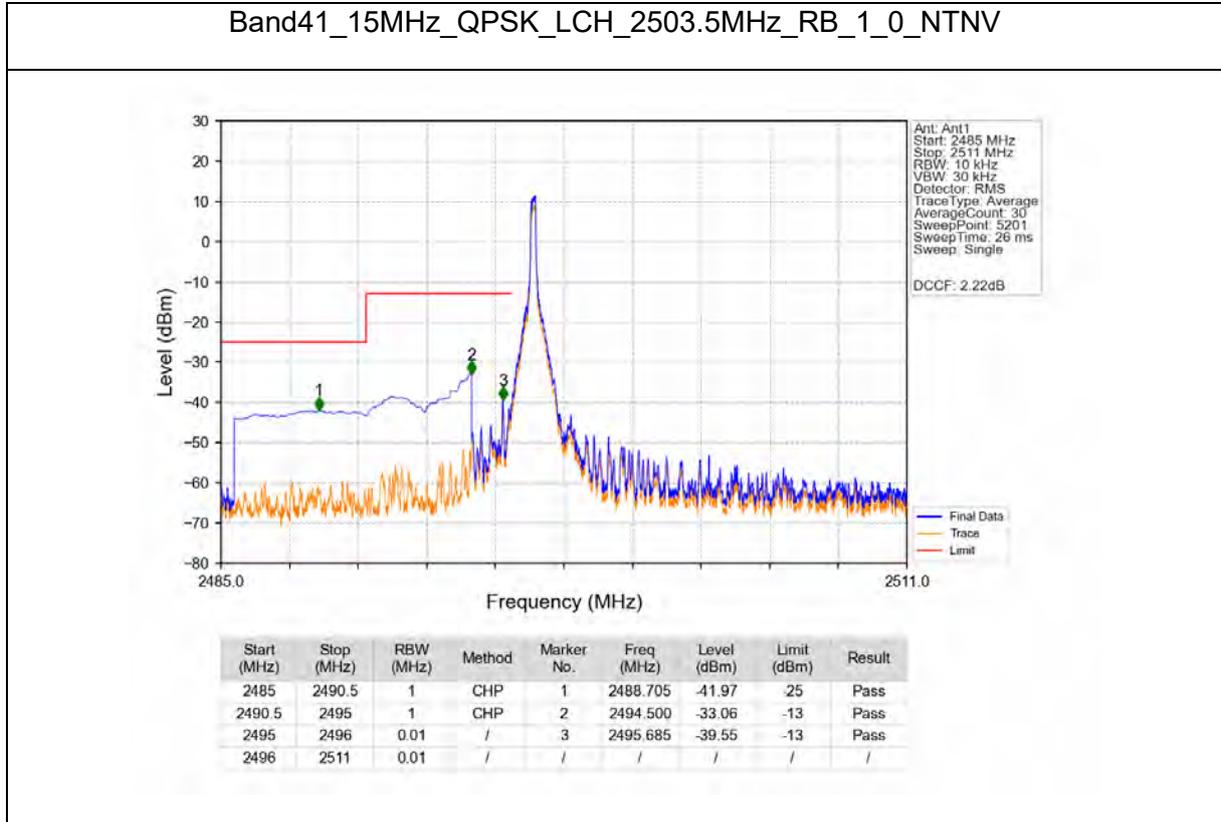


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.199	CHP	/	/	/	/	/
2690	2691	0.199	CHP	1	2690.050	-28.26	-10	Pass
2691	2695	1	CHP	2	2691.500	-25.11	-10	Pass
2695	2699.937	1	CHP	3	2695.025	-34.09	-13	Pass
2699.937	2705	1	CHP	4	2700.000	-38.54	-25	Pass

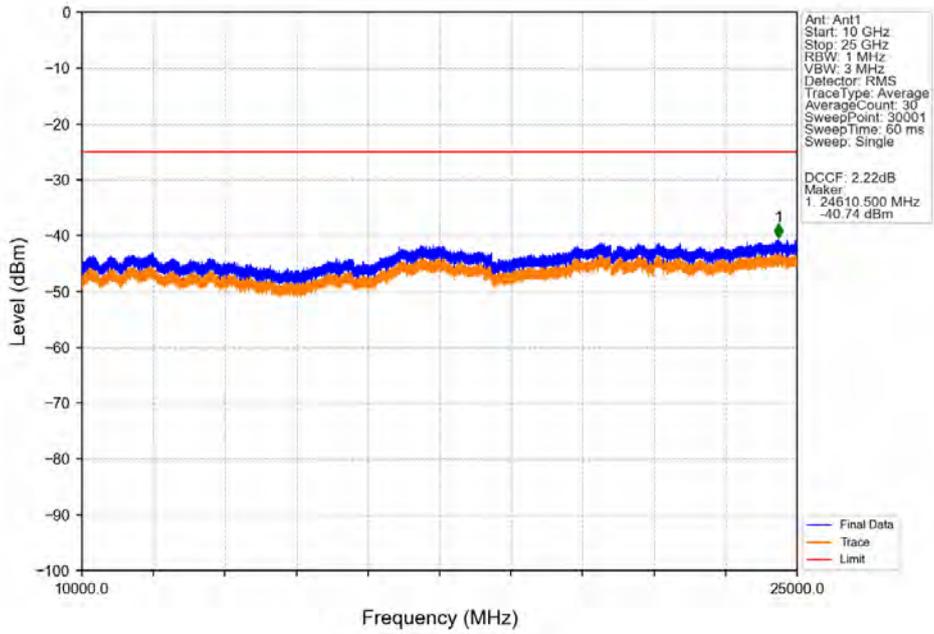


Test Report No.: PSU-NQN2504150110RF03

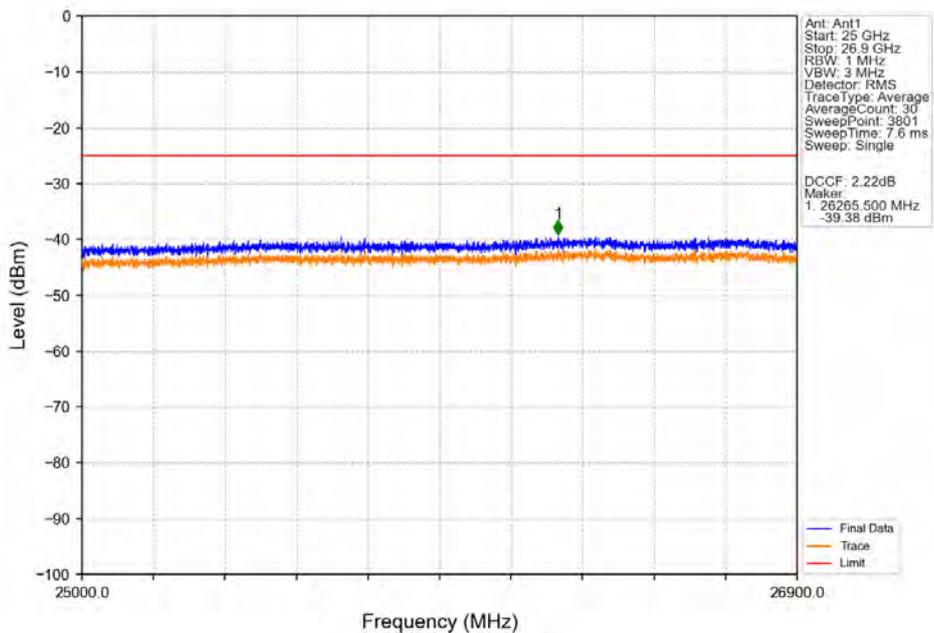
B41\_15MHz



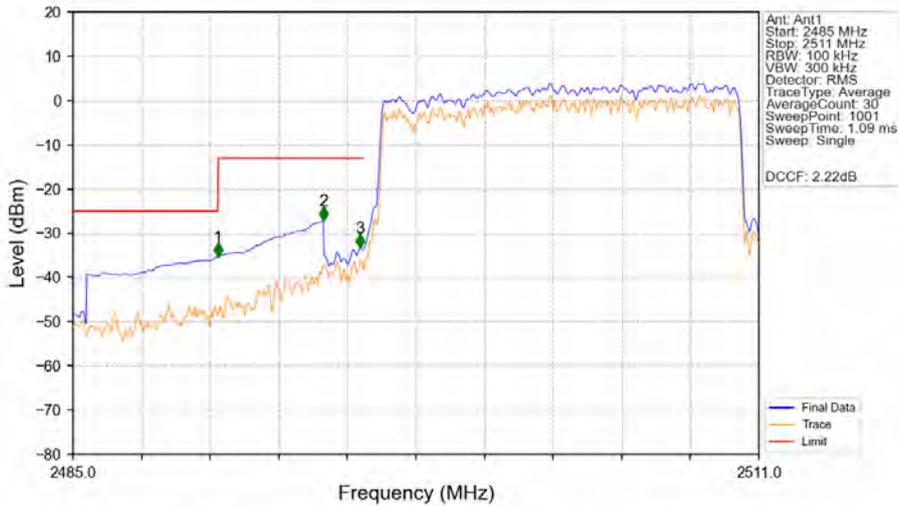
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV

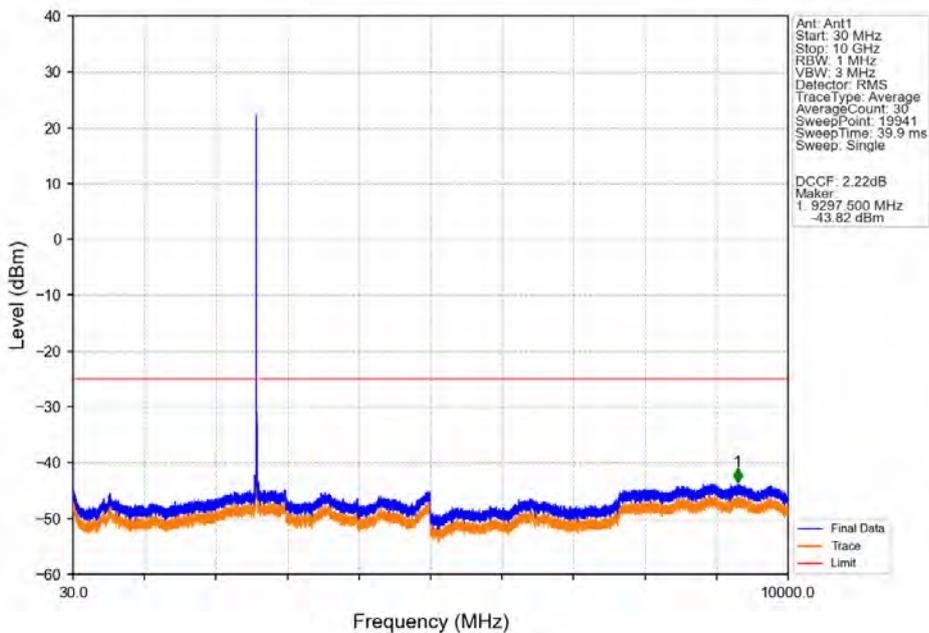


Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.486	-35.36	25	Pass
2490.5	2495	1	CHP	2	2494.490	-27.06	-13	Pass
2495	2496	0.147	CHP	3	2495.894	-33.27	-13	Pass
2496	2511	0.147	CHP	/	/	/	/	/

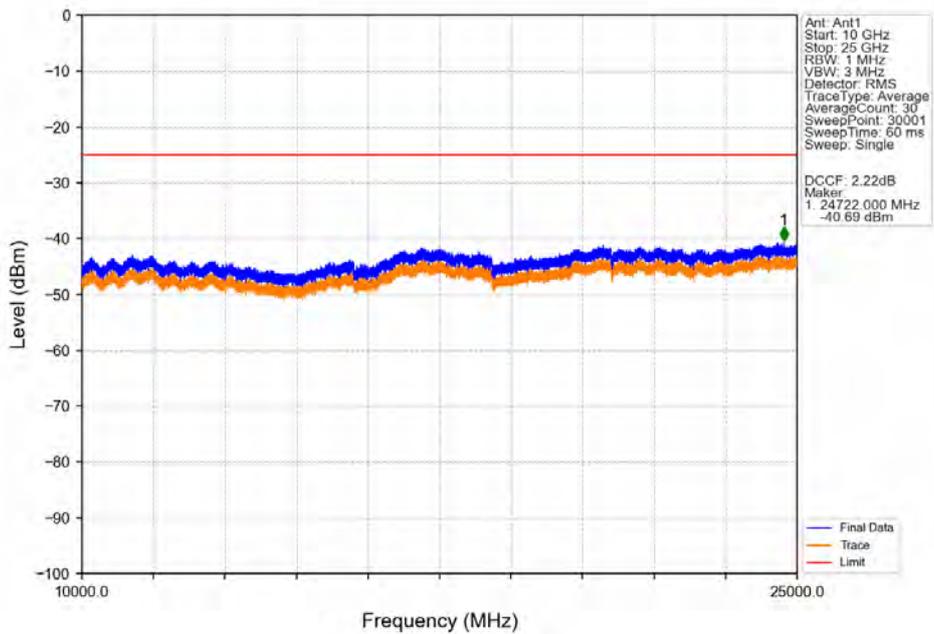
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



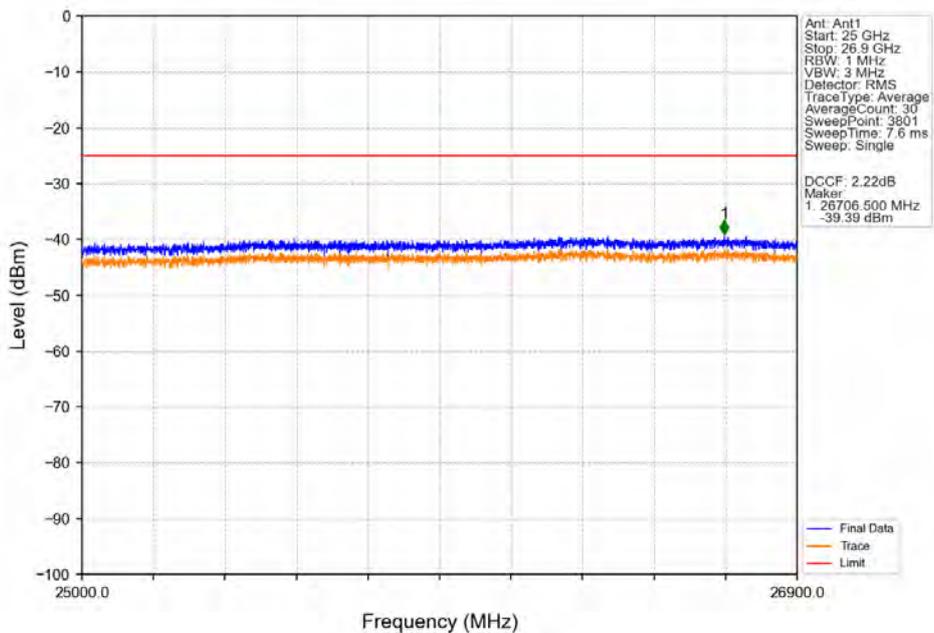


Test Report No.: PSU-NQN2504150110RF03

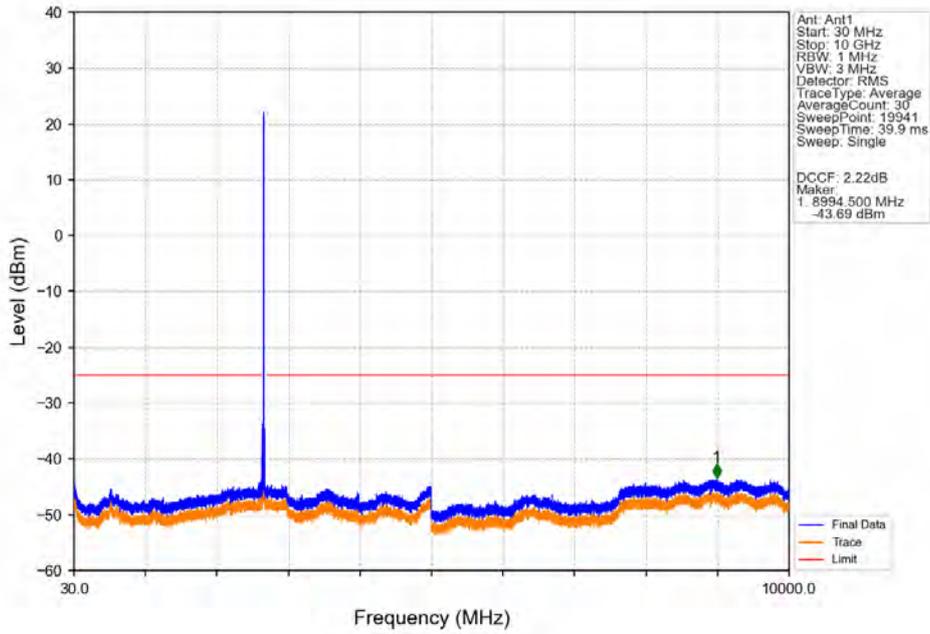
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



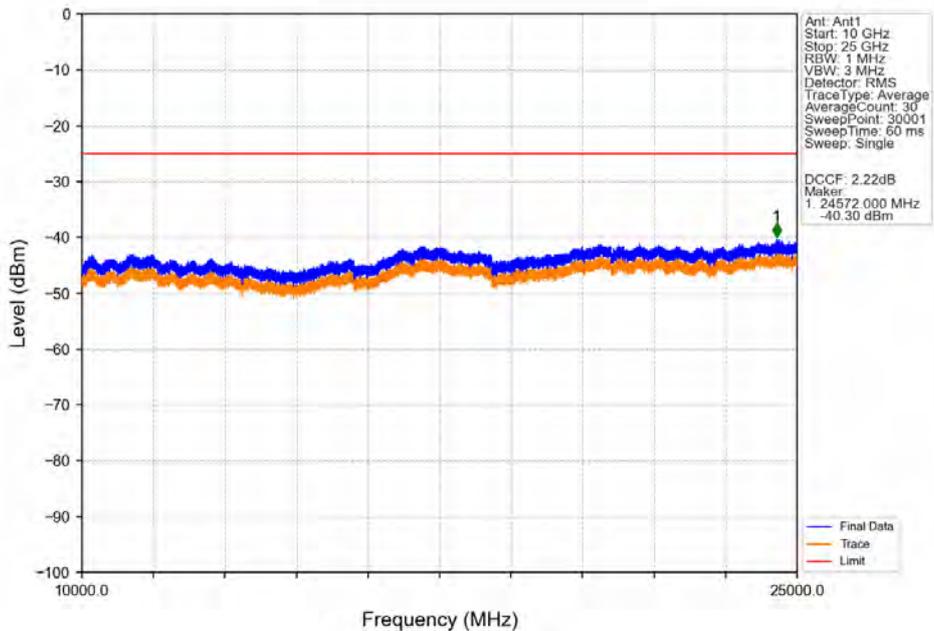
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV

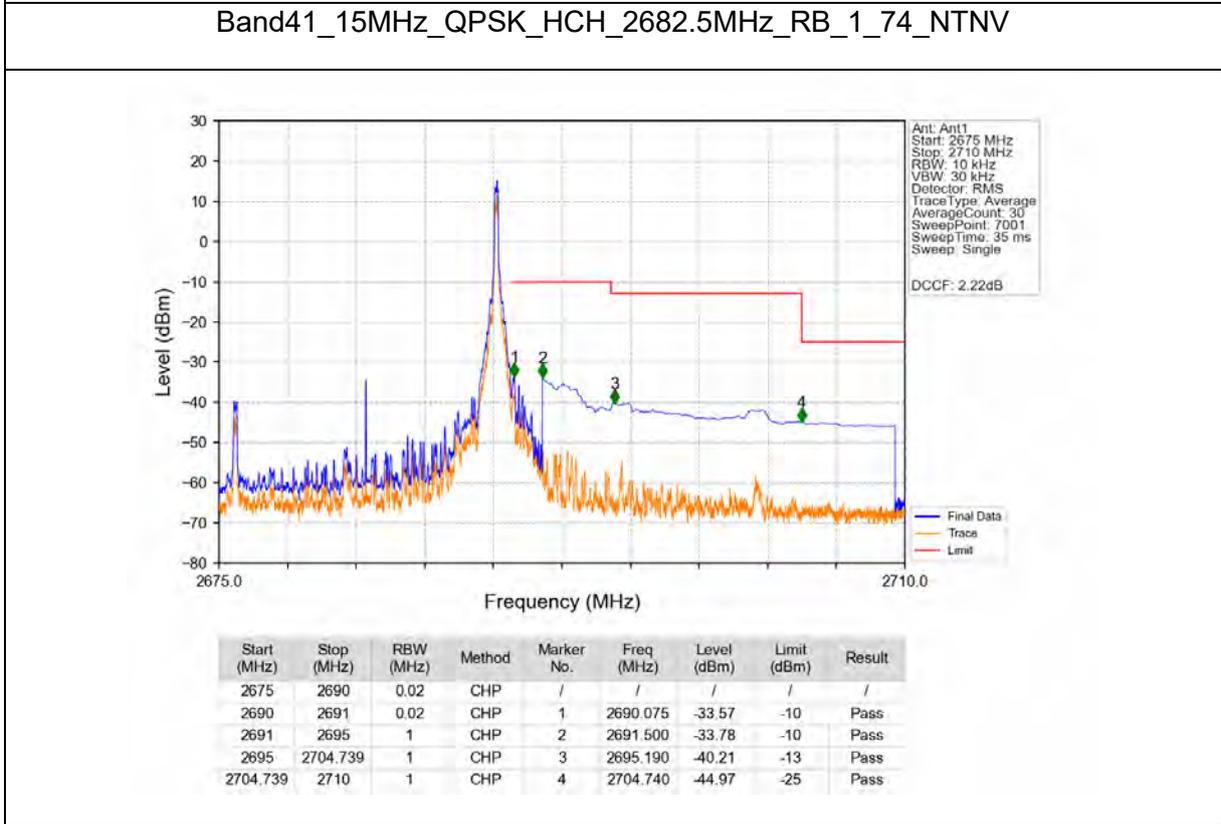
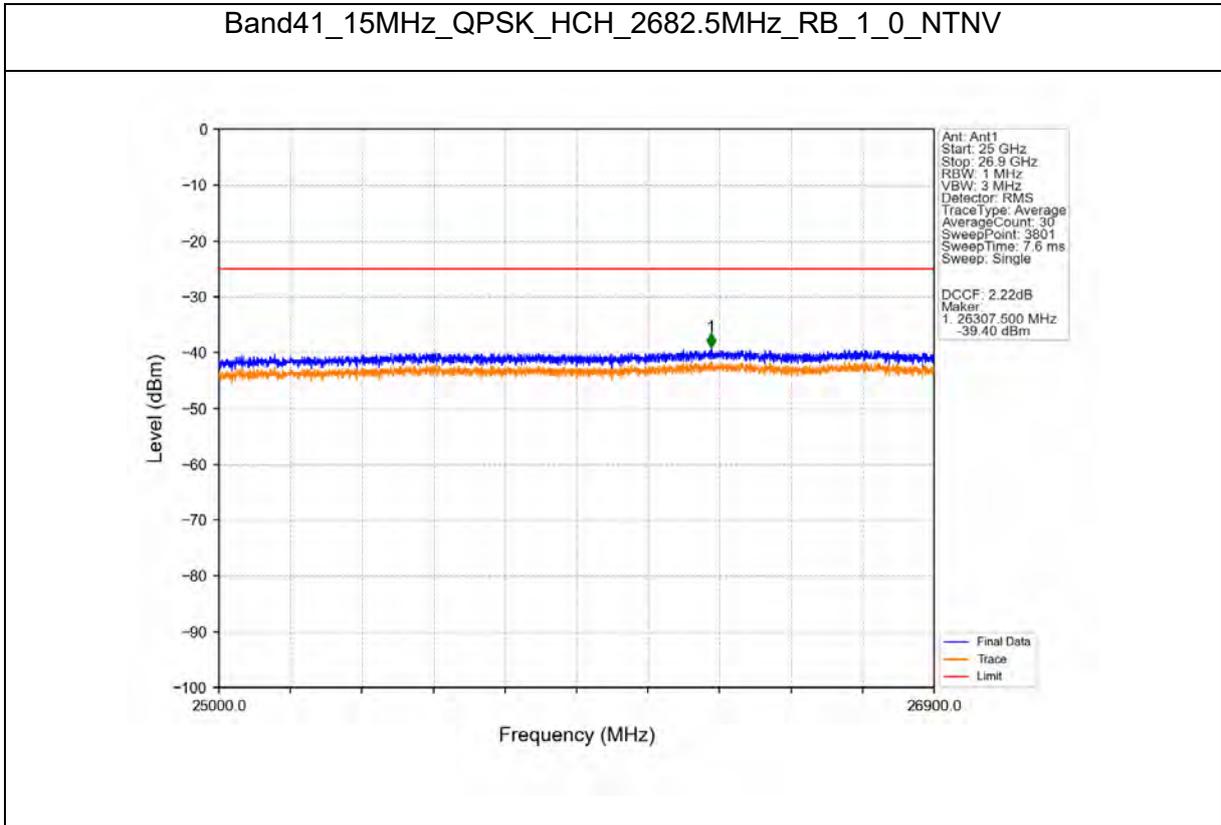


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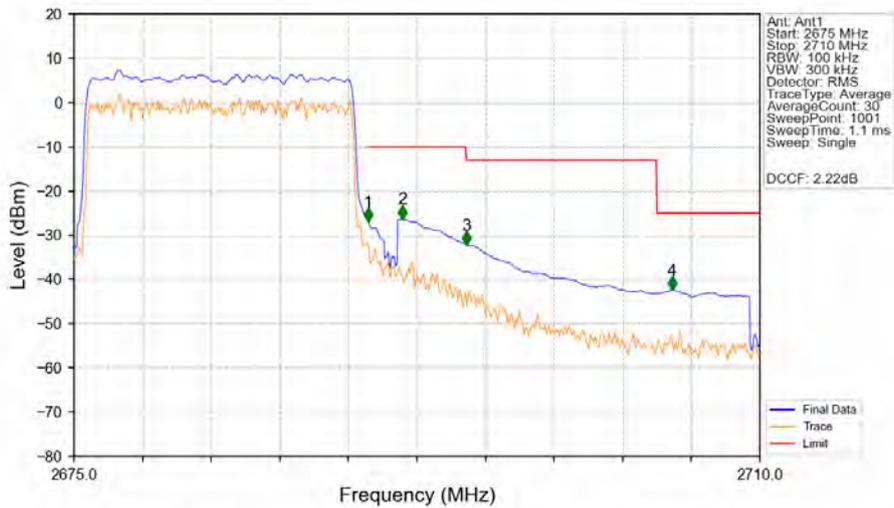




Test Report No.: PSU-NQN2504150110RF03

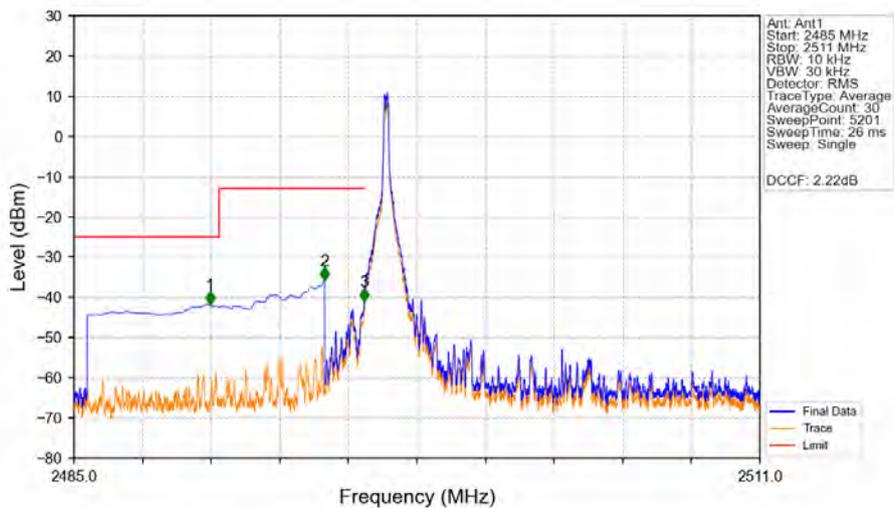


Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



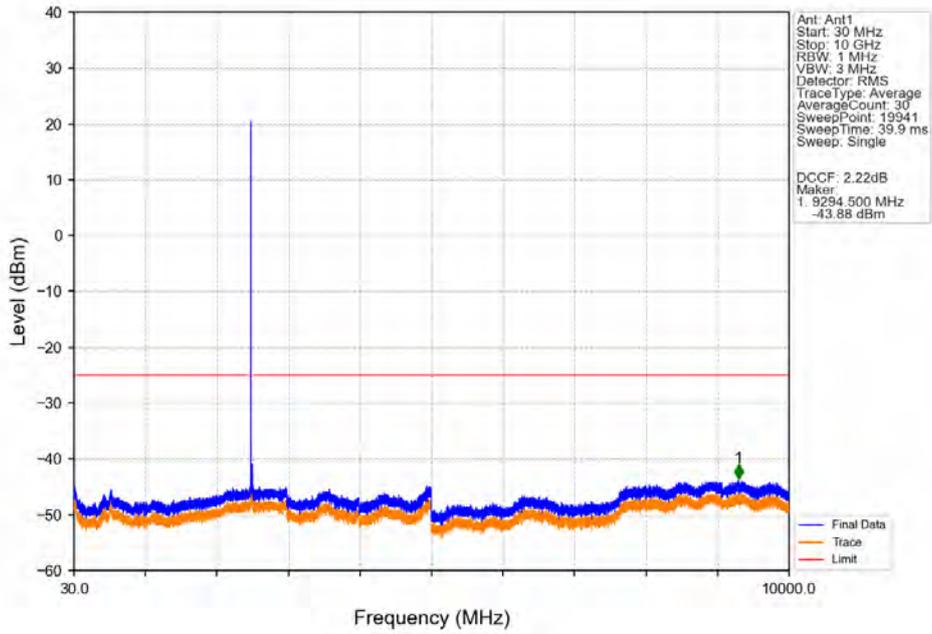
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.295	CHP	/	/	/	/	/
2690	2691	0.295	CHP	1	2690.015	-26.94	-10	Pass
2691	2695	1	CHP	2	2691.765	-26.30	-10	Pass
2695	2704.739	1	CHP	3	2695.020	-32.14	-13	Pass
2704.739	2710	1	CHP	4	2705.520	-42.40	-25	Pass

Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV

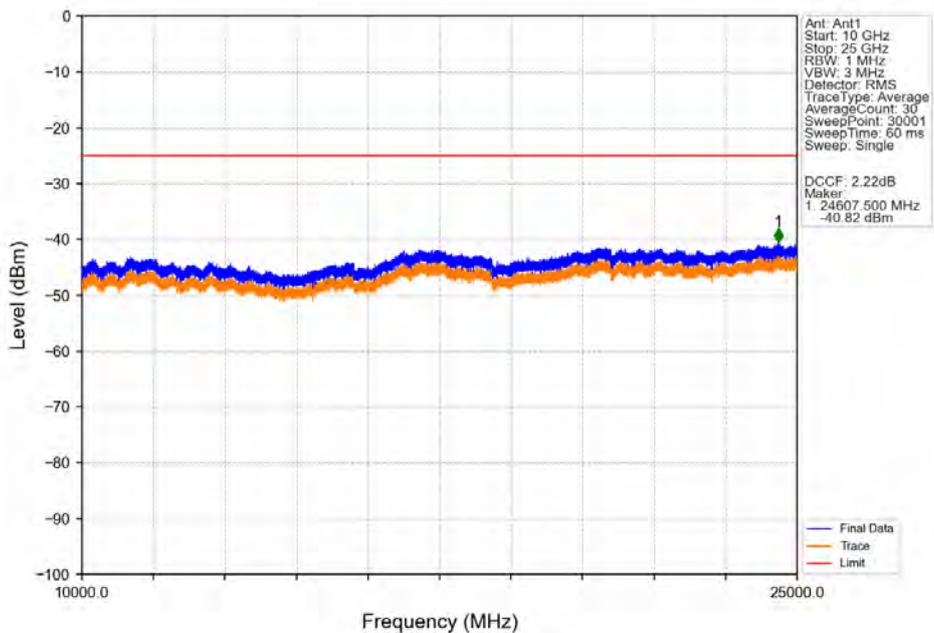


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.160	-41.87	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-35.93	-13	Pass
2495	2496	0.01	/	3	2495.995	-41.01	-13	Pass
2496	2511	0.01	/	/	/	/	/	/

Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



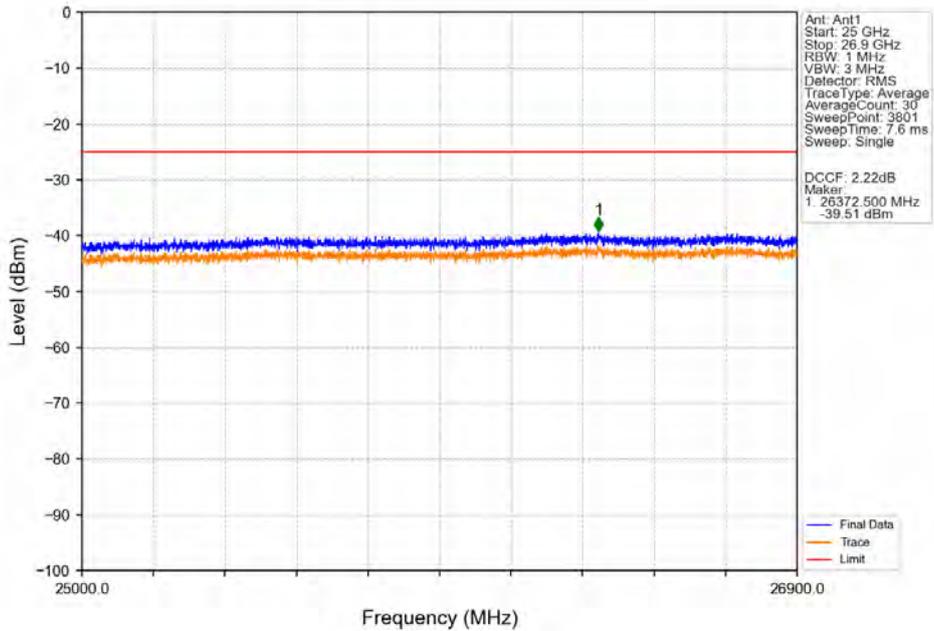
Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



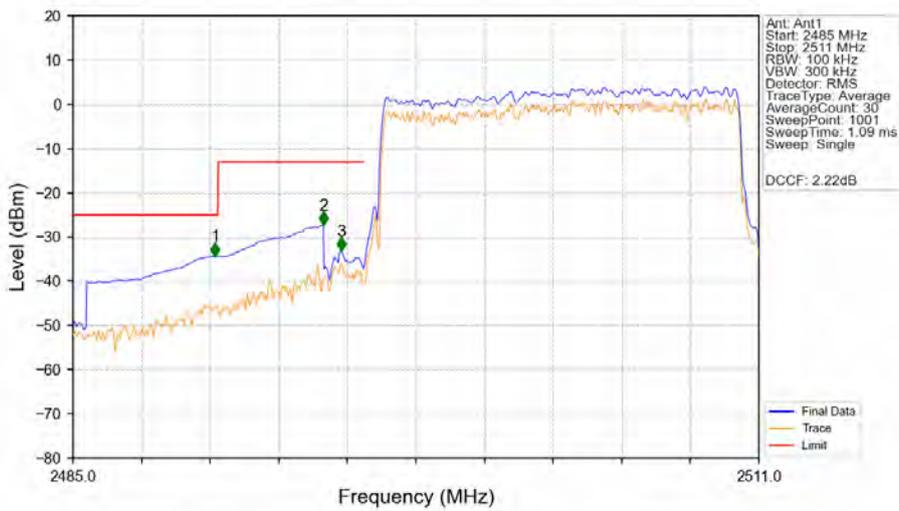


Test Report No.: PSU-NQN2504150110RF03

Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV

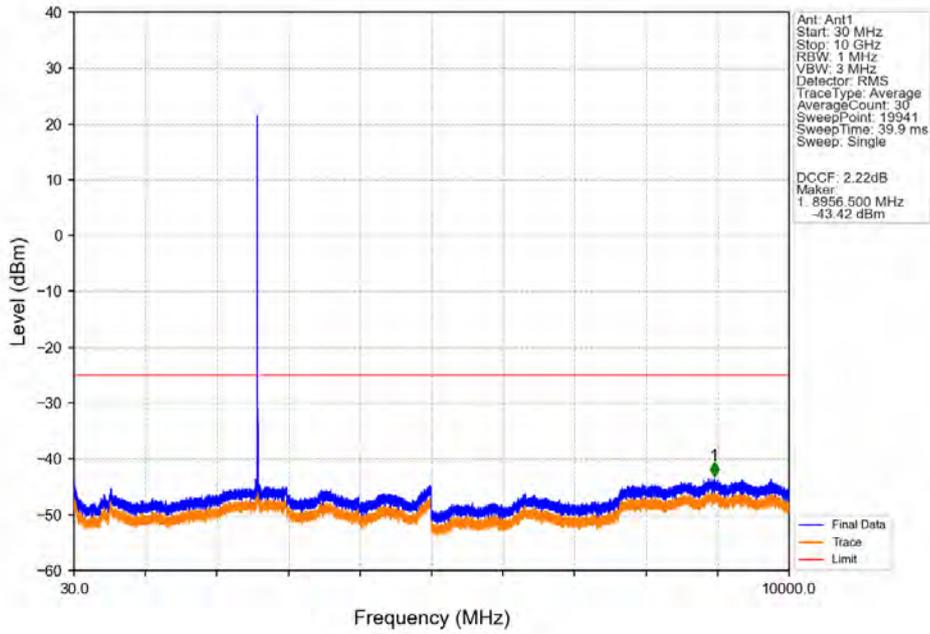


Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV

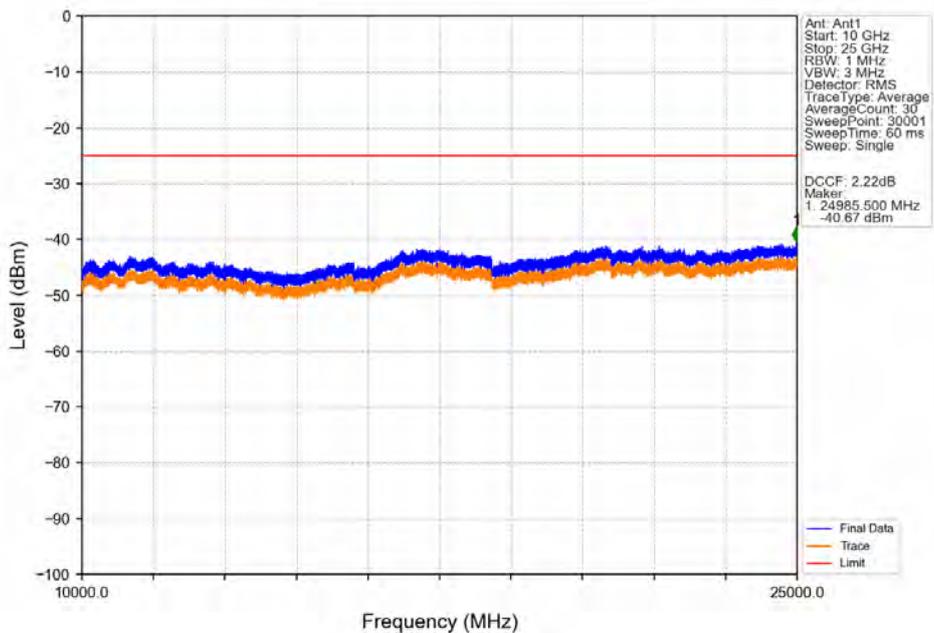


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.382	-34.32	-25	Pass
2490.5	2495	1	CHP	2	2494.490	-27.26	-13	Pass
2495	2496	0.146	CHP	3	2495.166	-33.10	-13	Pass
2496	2511	0.146	CHP	/	/	/	/	/

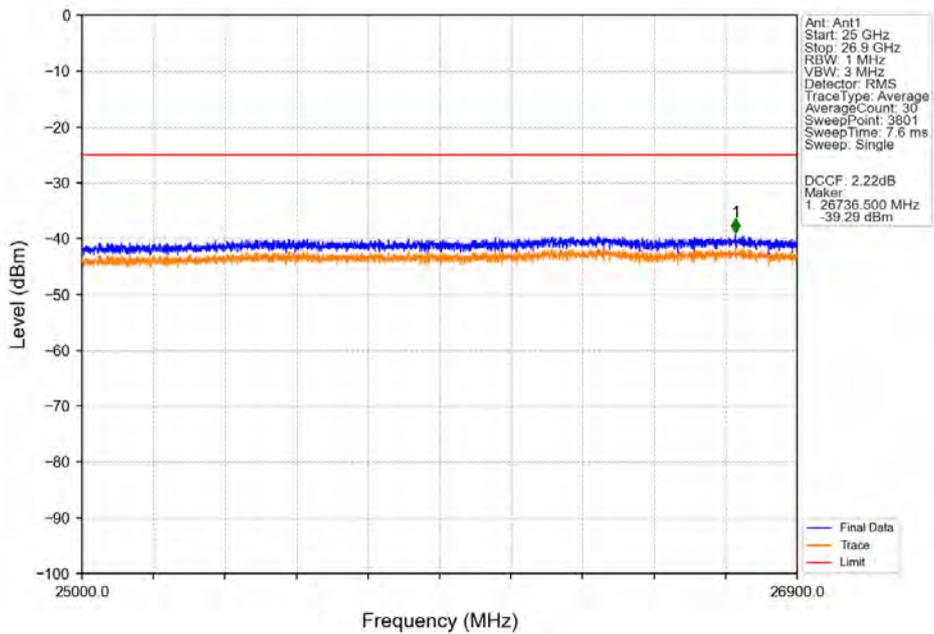
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



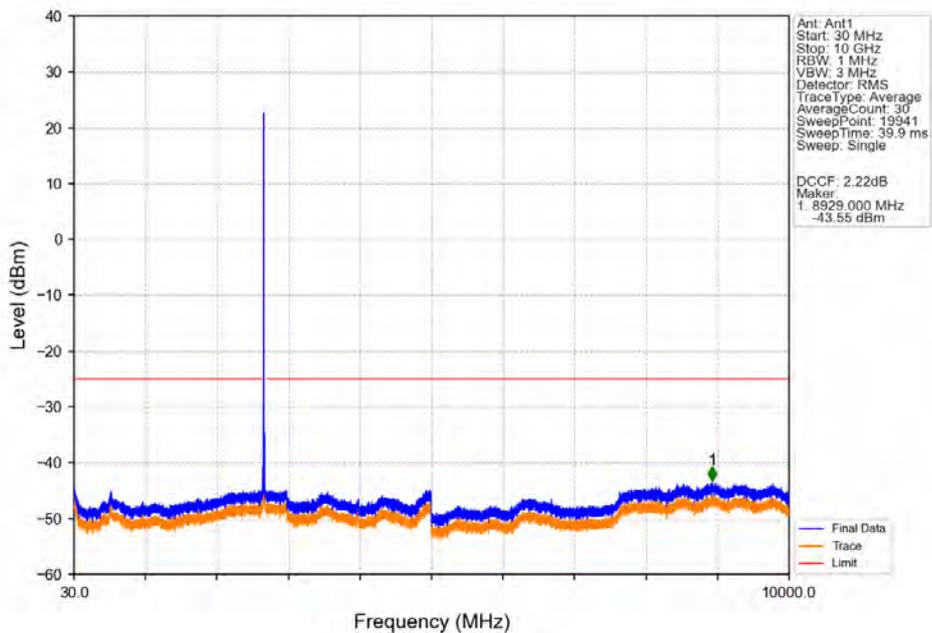
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV

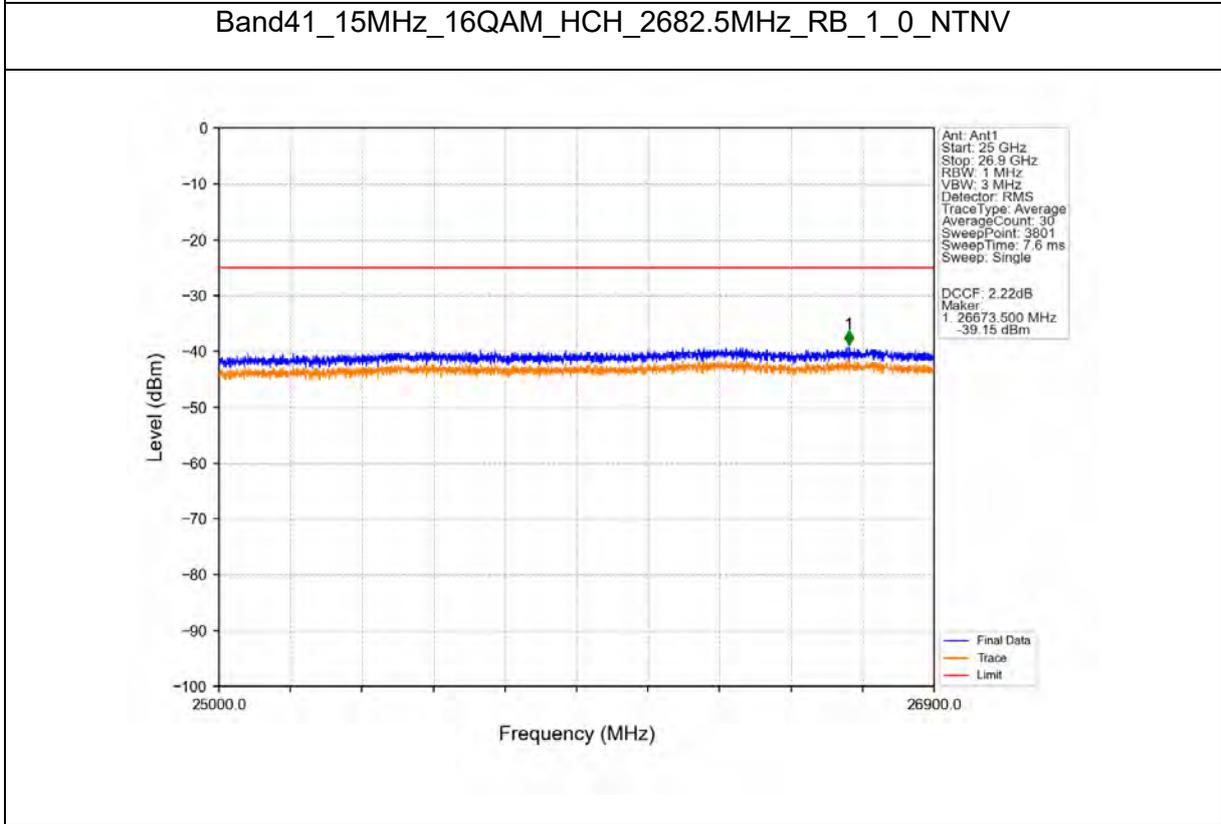
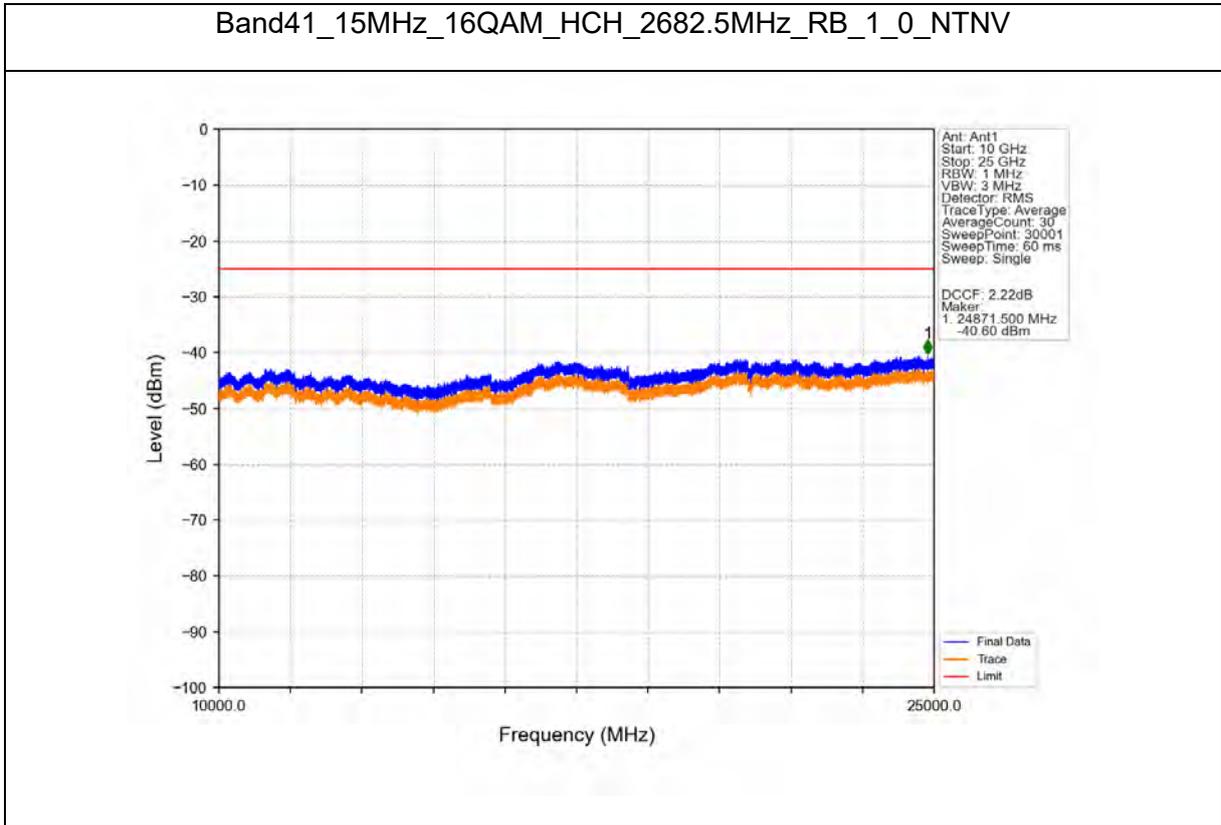


Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV

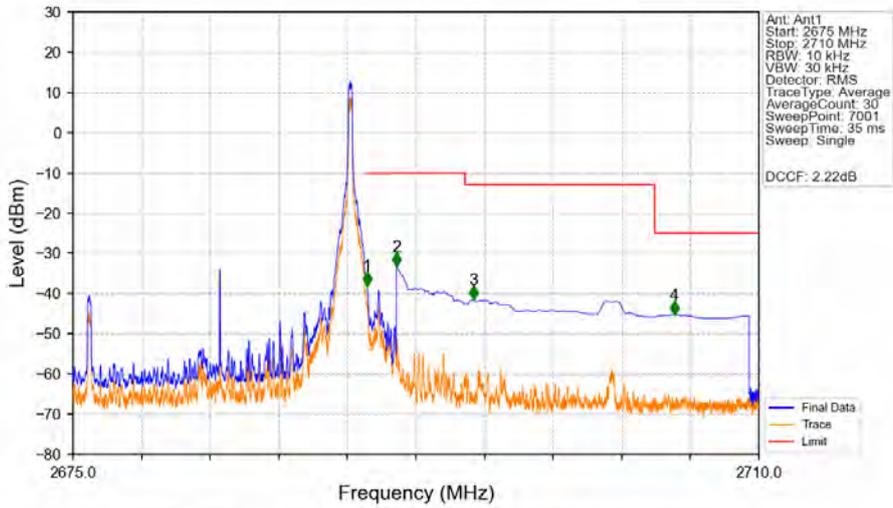




Test Report No.: PSU-NQN2504150110RF03

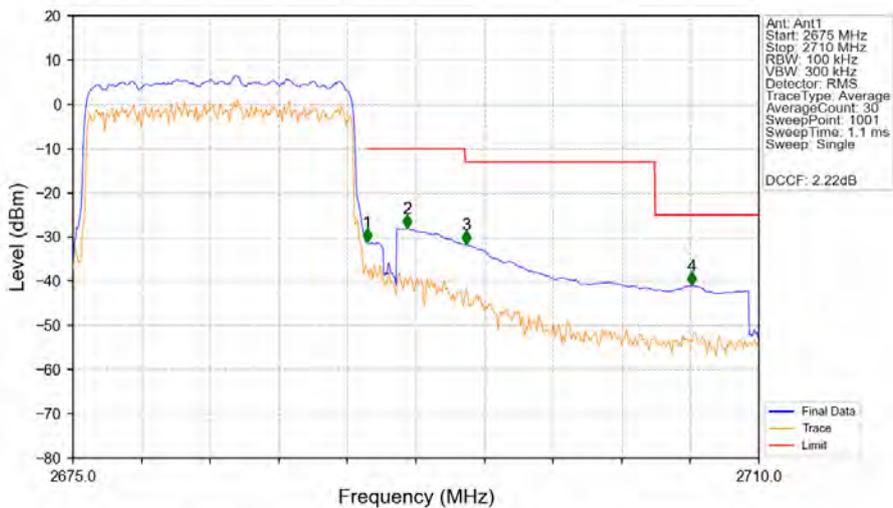


Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_1\_74\_NTNV



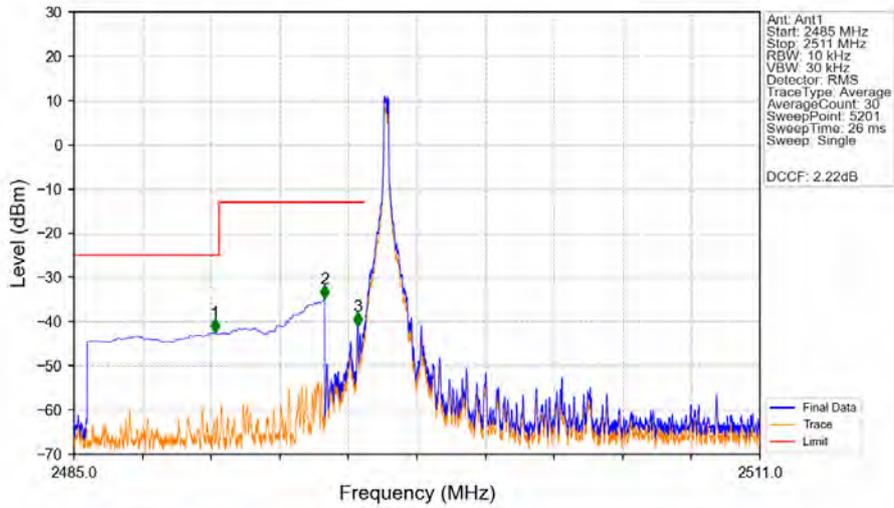
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-38.14	-10	Pass
2691	2695	1	CHP	2	2691.500	-33.26	-10	Pass
2695	2704.682	1	CHP	3	2695.435	-41.48	-13	Pass
2704.682	2710	1	CHP	4	2705.690	-45.22	-25	Pass

Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



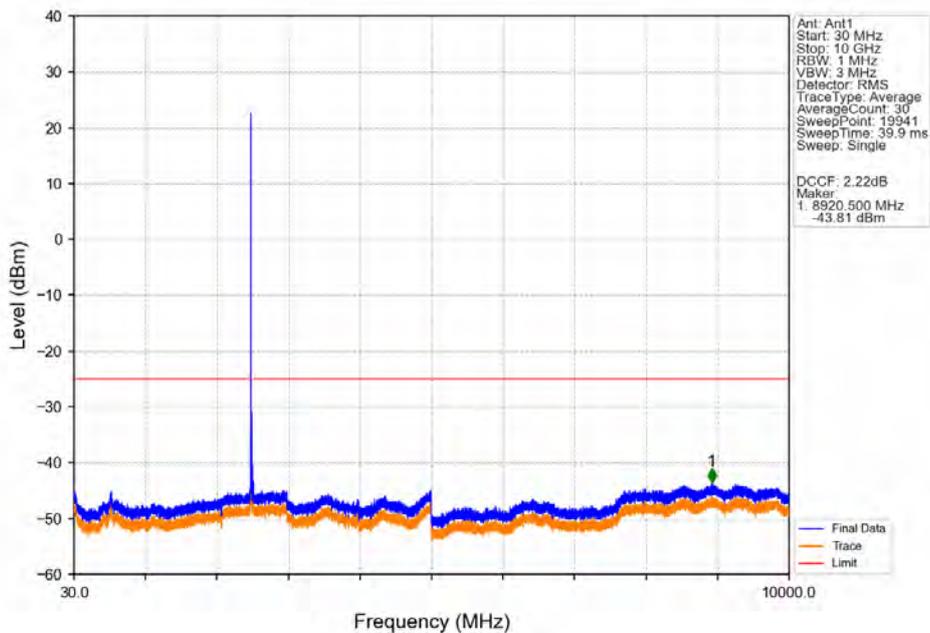
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.294	CHP	/	/	/	/	/
2690	2691	0.294	CHP	1	2690.015	-31.17	-10	Pass
2691	2695	1	CHP	2	2692.045	-28.06	-10	Pass
2695	2704.682	1	CHP	3	2695.055	-31.71	-13	Pass
2704.682	2710	1	CHP	4	2706.570	-41.03	-25	Pass

Band41\_15MHz\_64QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



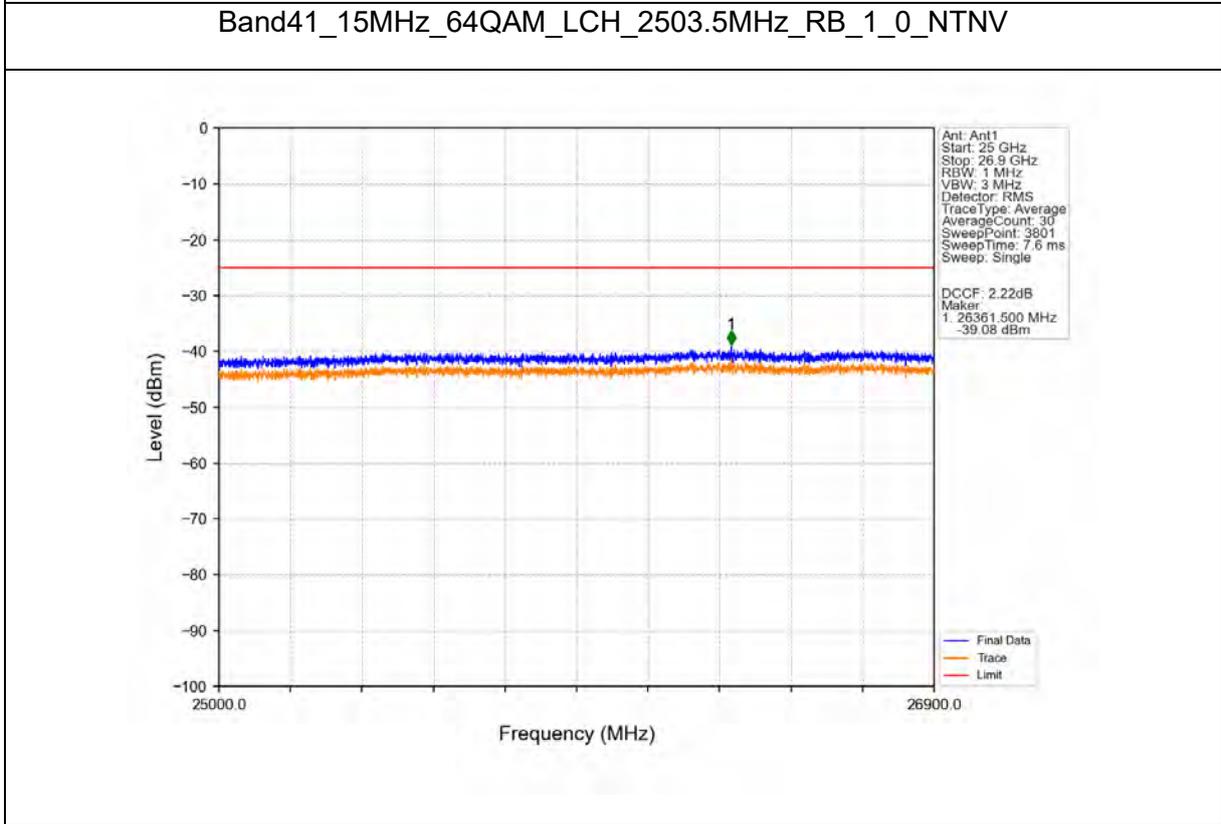
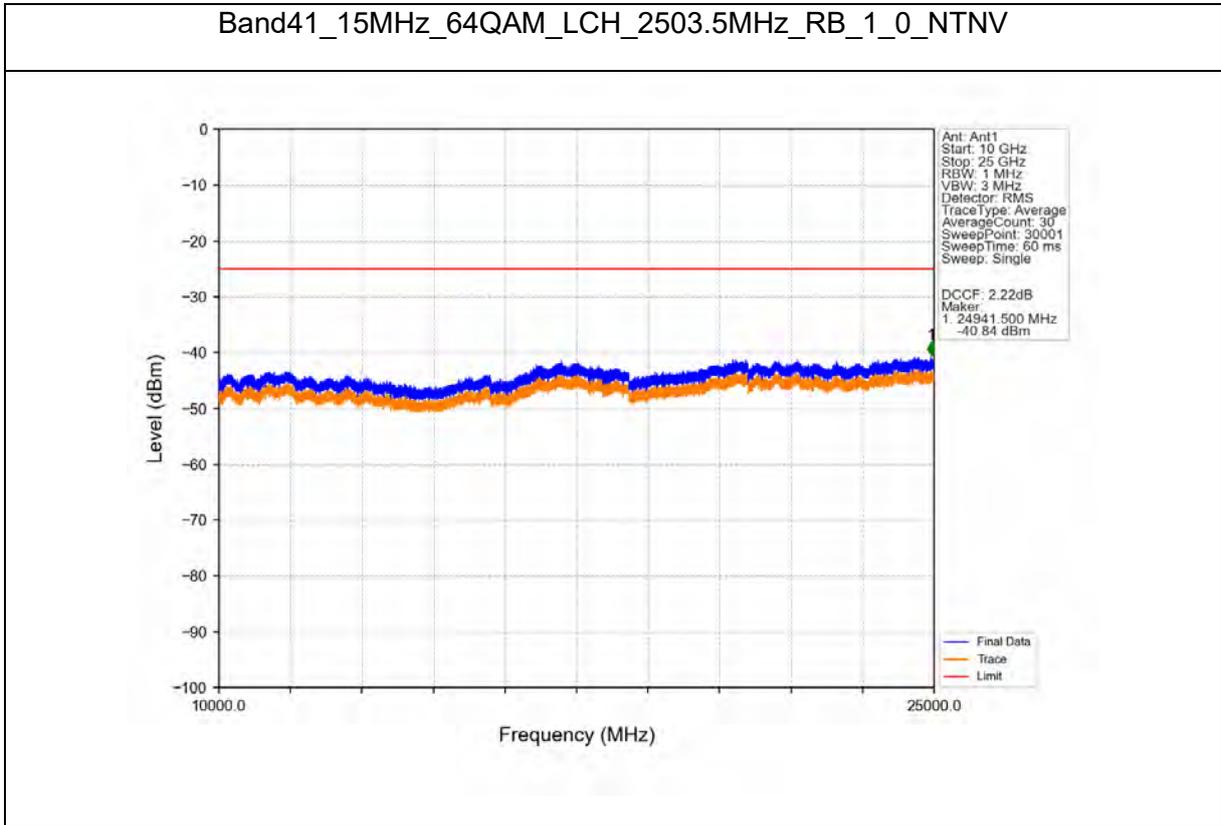
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.345	-42.49	25	Pass
2490.5	2495	1	CHP	2	2494.500	-34.87	-13	Pass
2495	2496	0.01	/	3	2495.755	-40.95	-13	Pass
2496	2511	0.01	/	/	/	/	/	/

Band41\_15MHz\_64QAM\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV

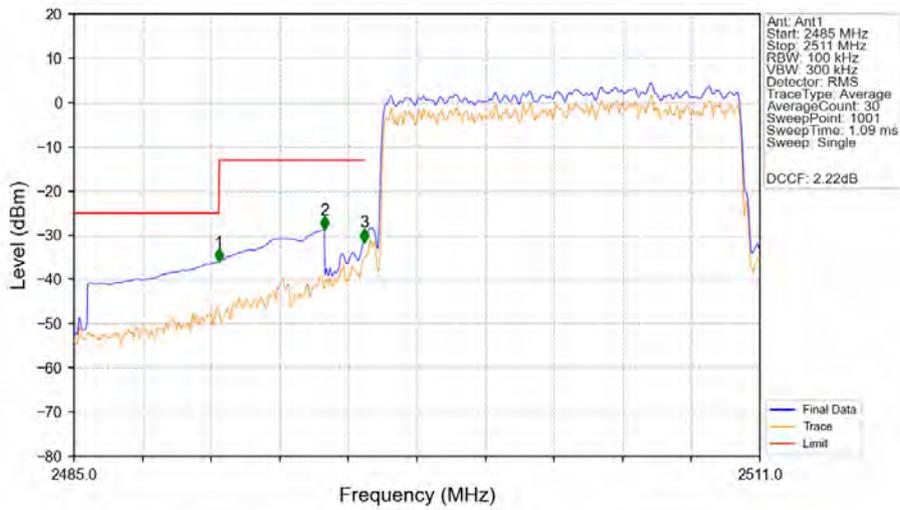




Test Report No.: PSU-NQN2504150110RF03

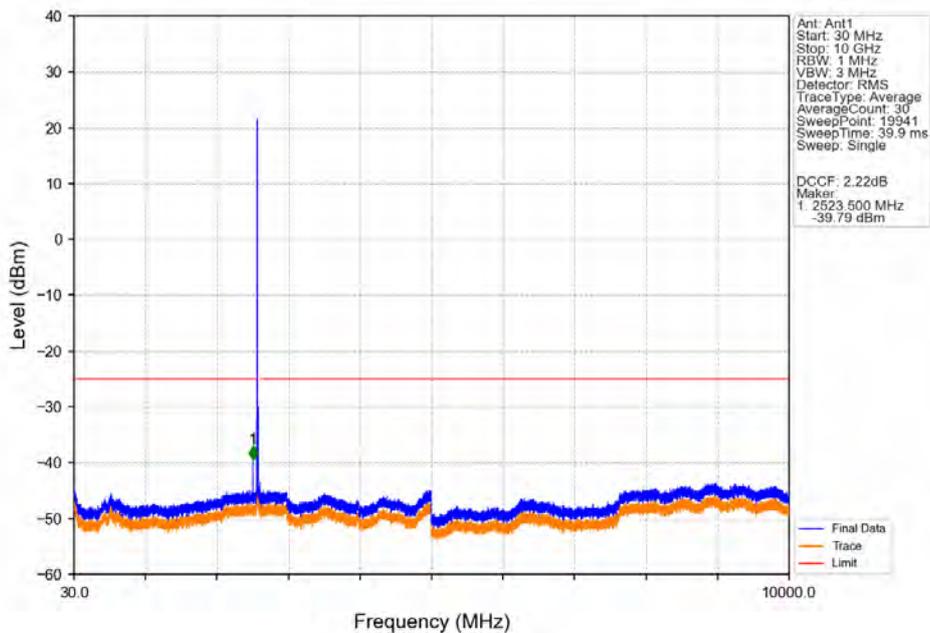


Band41\_15MHz\_64QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.486	-36.03	25	Pass
2490.5	2495	1	CHP	2	2494.490	-28.79	-13	Pass
2495	2496	0.15	CHP	3	2495.998	-31.58	-13	Pass
2496	2511	0.15	CHP	/	/	/	/	/

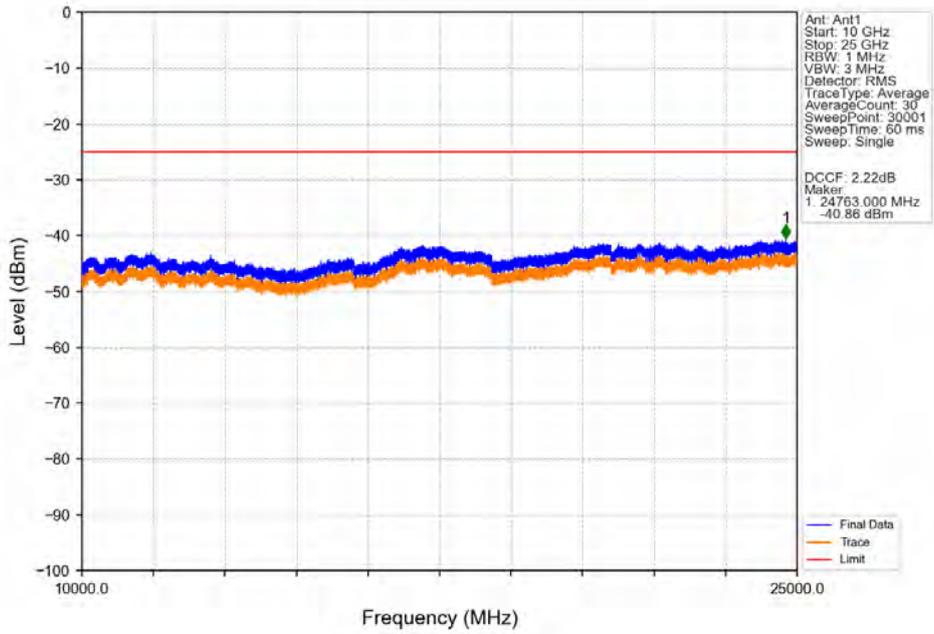
Band41\_15MHz\_64QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



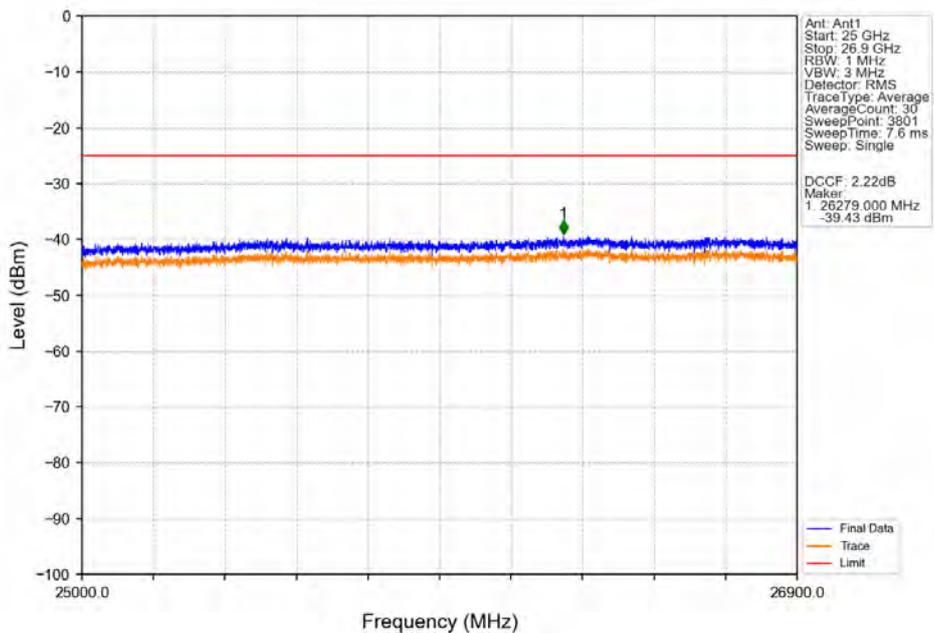


Test Report No.: PSU-NQN2504150110RF03

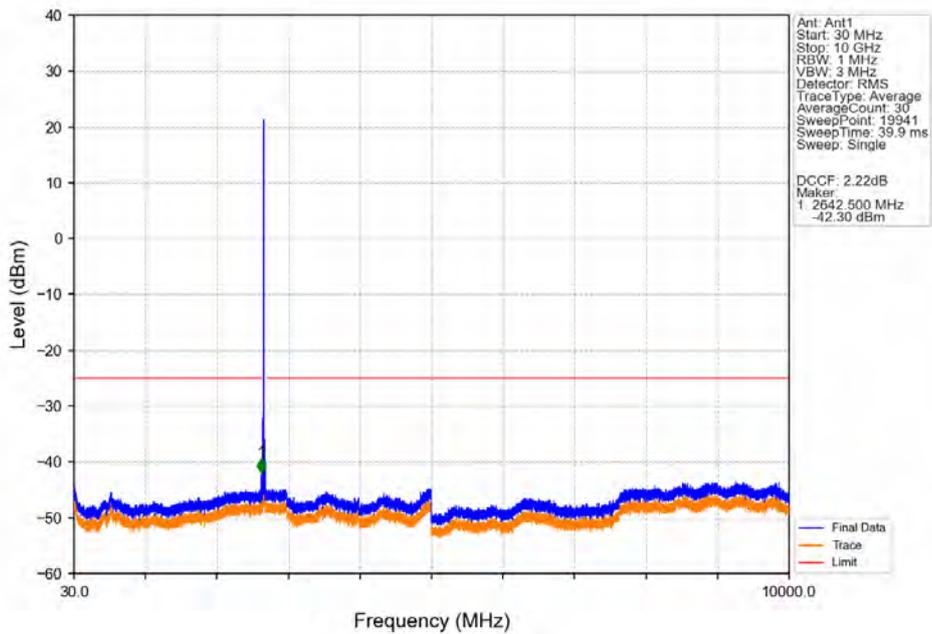
Band41\_15MHz\_64QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



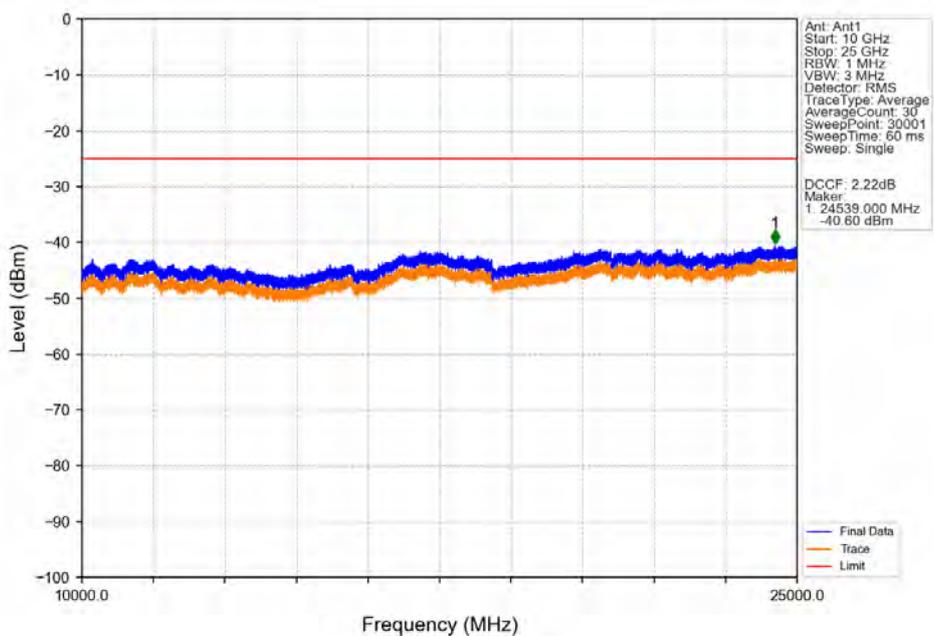
Band41\_15MHz\_64QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41\_15MHz\_64QAM\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV



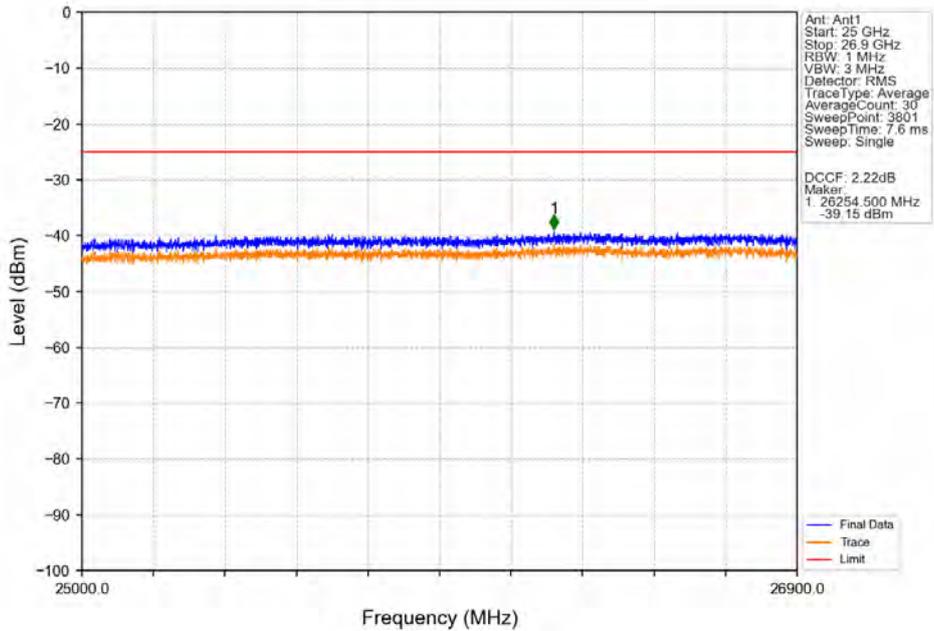
Band41\_15MHz\_64QAM\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV



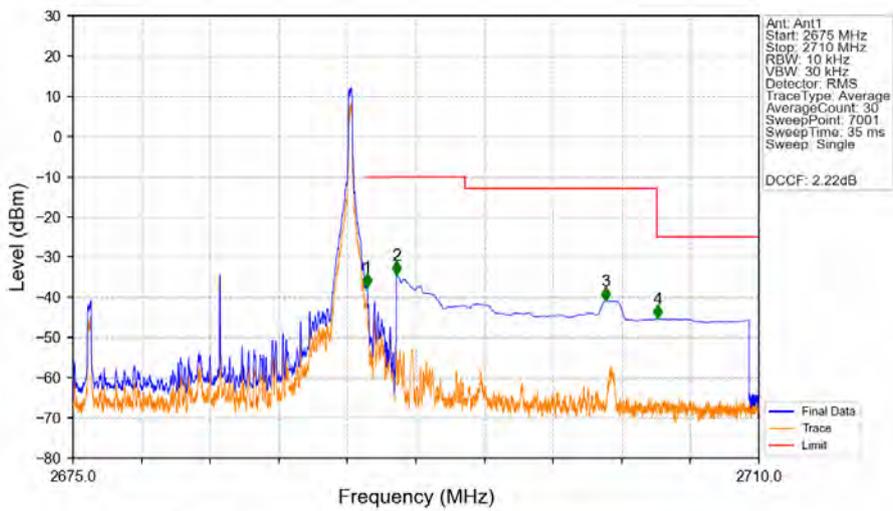


Test Report No.: PSU-NQN2504150110RF03

Band41\_15MHz\_64QAM\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV



Band41\_15MHz\_64QAM\_HCH\_2682.5MHz\_RB\_1\_74\_NTNV

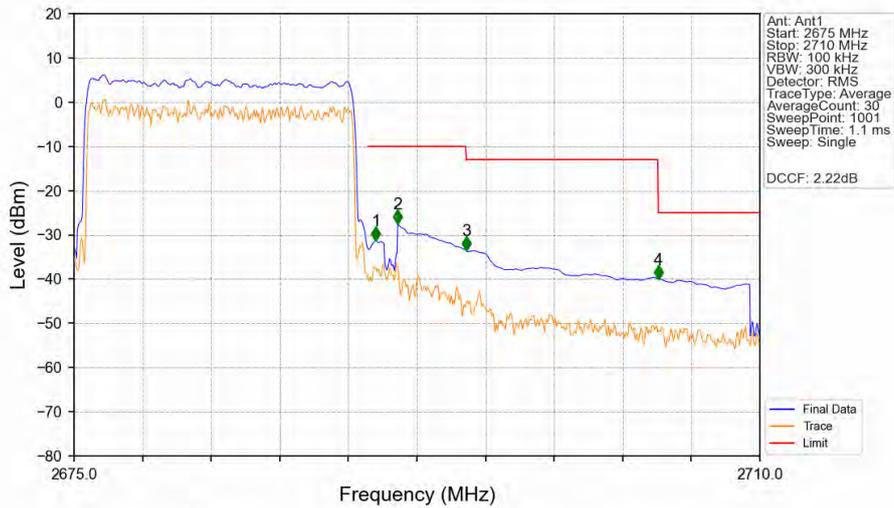


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.010	-37.51	-10	Pass
2691	2695	1	CHP	2	2691.500	-34.46	-10	Pass
2695	2704.804	1	CHP	3	2702.165	-40.86	-13	Pass
2704.804	2710	1	CHP	4	2704.845	-45.36	-25	Pass



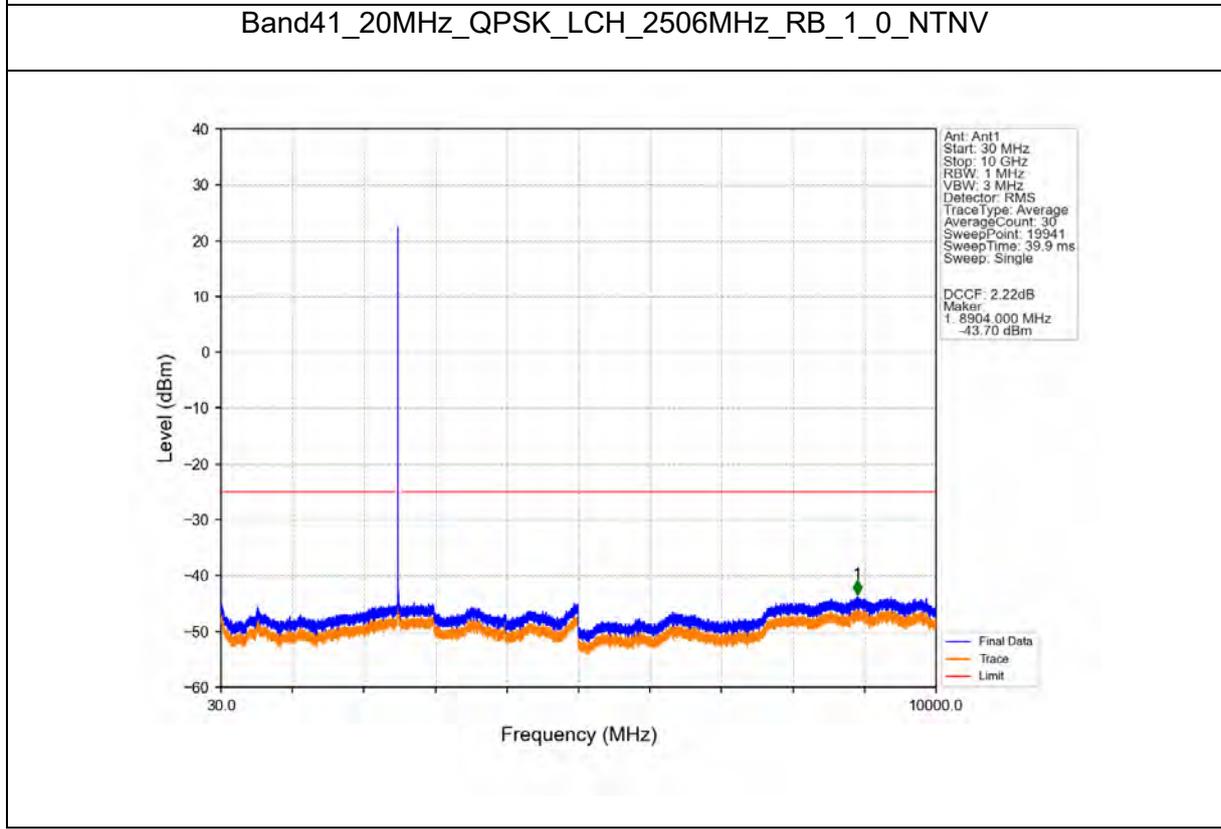
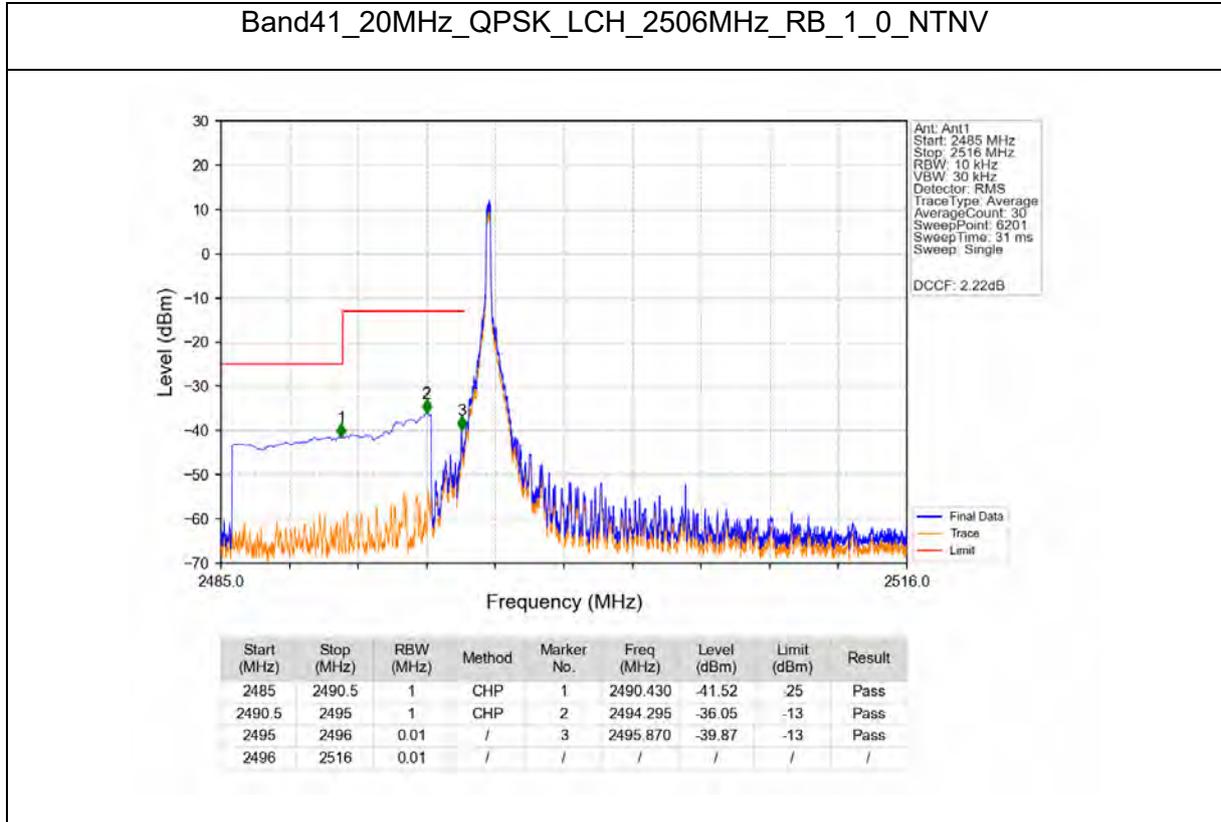
Test Report No.: PSU-NQN2504150110RF03

Band41\_15MHz\_64QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.296	CHP	/	/	/	/	/
2690	2691	0.296	CHP	1	2690.400	-31.28	-10	Pass
2691	2695	1	CHP	2	2691.520	-27.56	-10	Pass
2695	2704.804	1	CHP	3	2695.020	-33.54	-13	Pass
2704.804	2710	1	CHP	4	2704.820	-39.97	-25	Pass

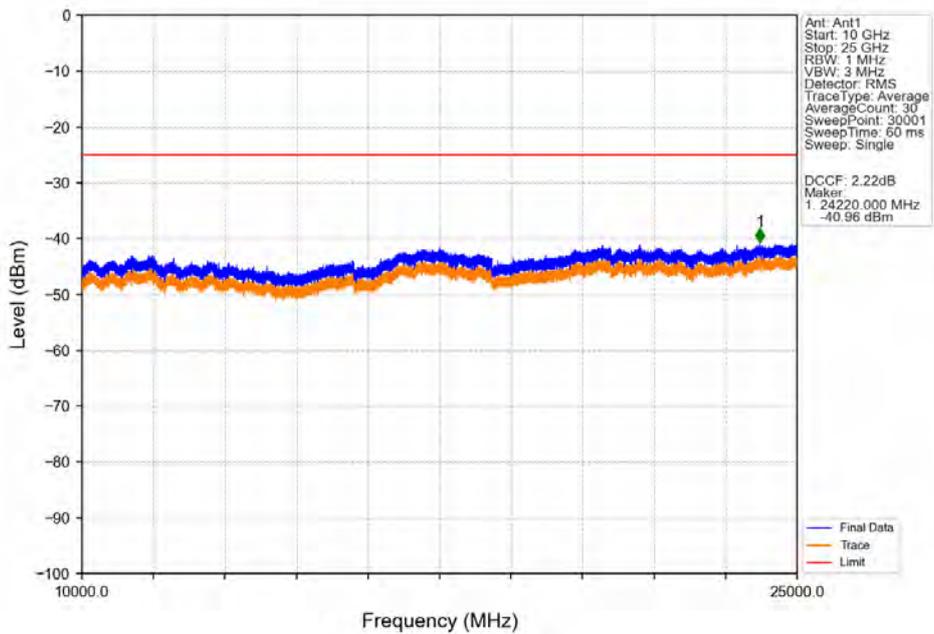
B41\_20MHz



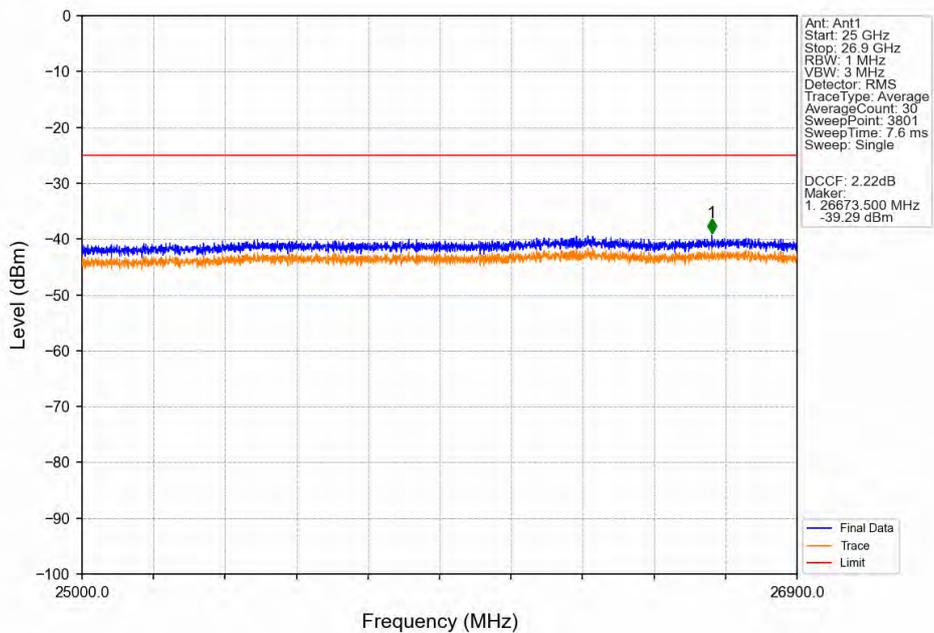


Test Report No.: PSU-NQN2504150110RF03

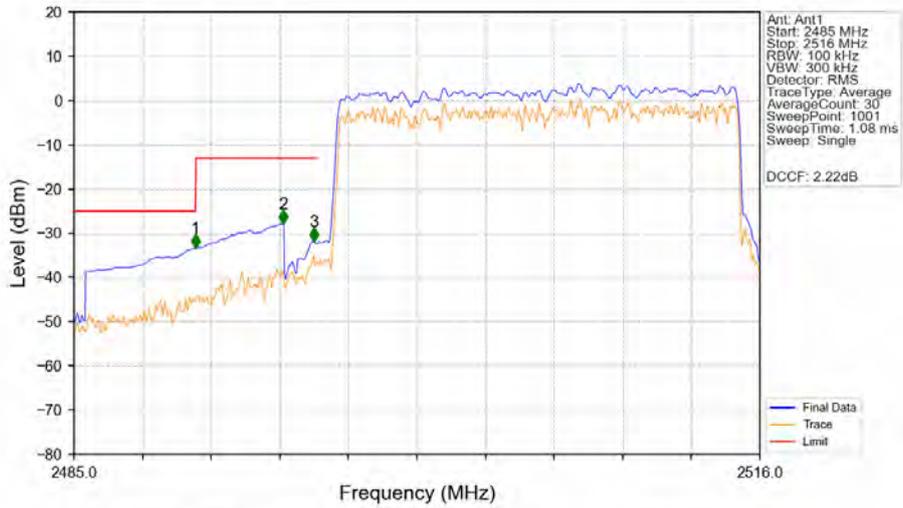
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV



Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV

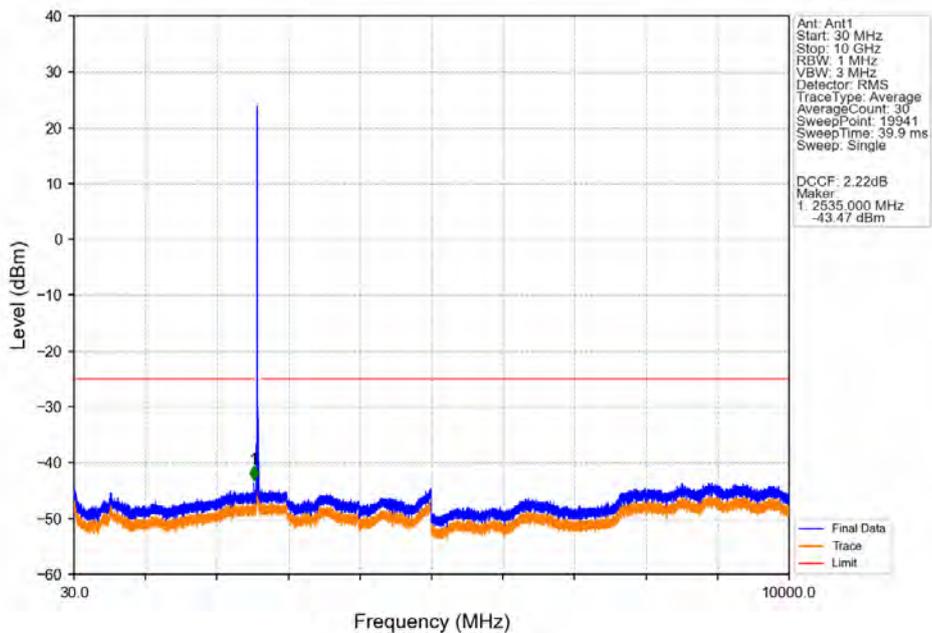


Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV

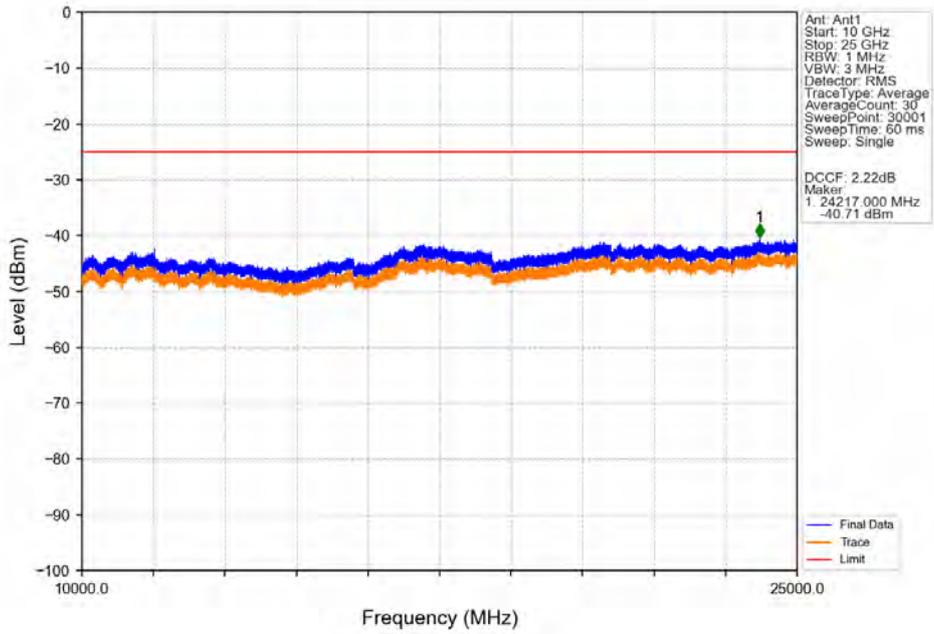


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.487	-33.30	25	Pass
2490.5	2495	1	CHP	2	2494.455	-27.86	-13	Pass
2495	2496	0.193	CHP	3	2495.850	-31.86	-13	Pass
2496	2516	0.193	CHP	/	/	/	/	/

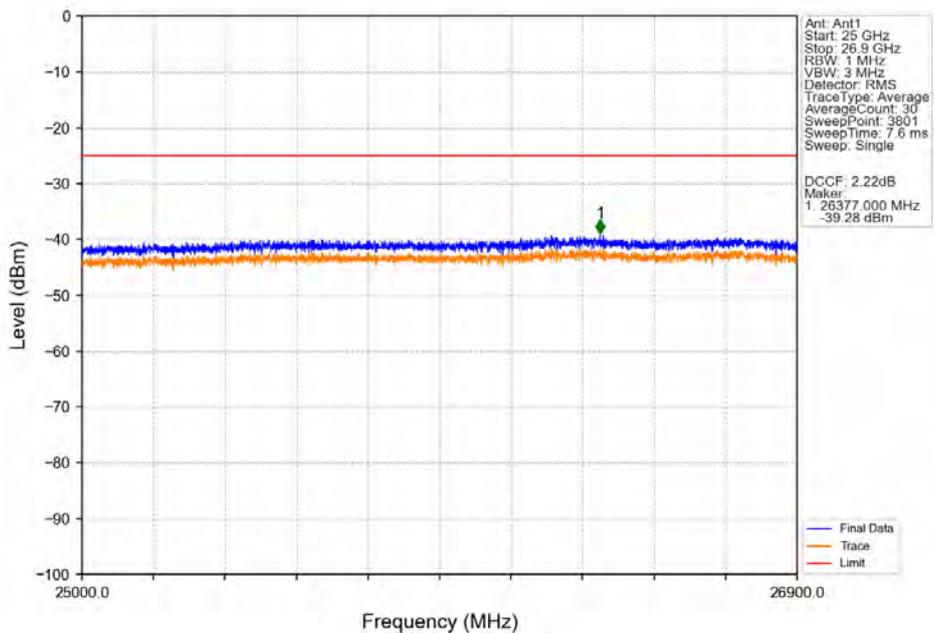
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



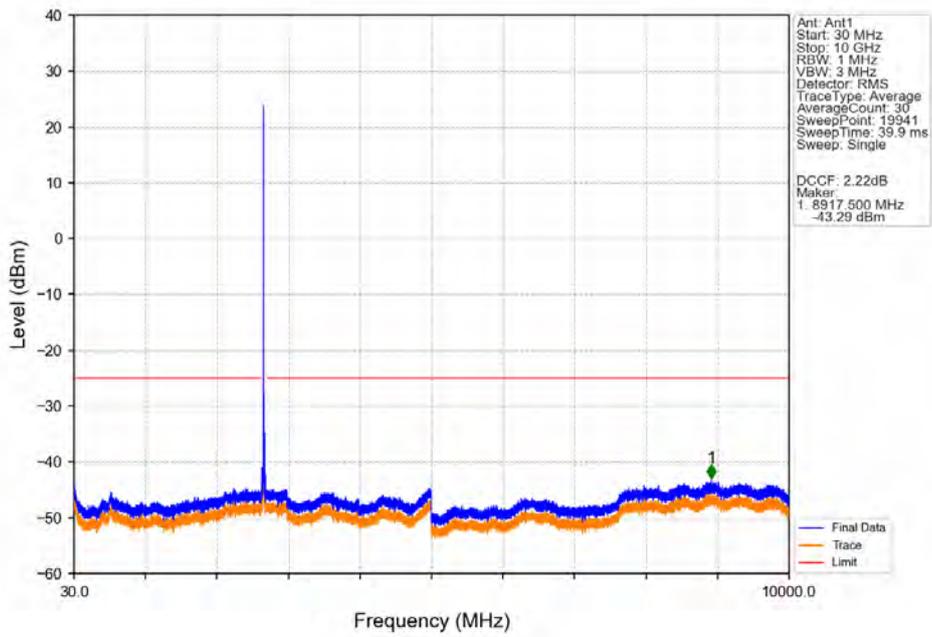
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



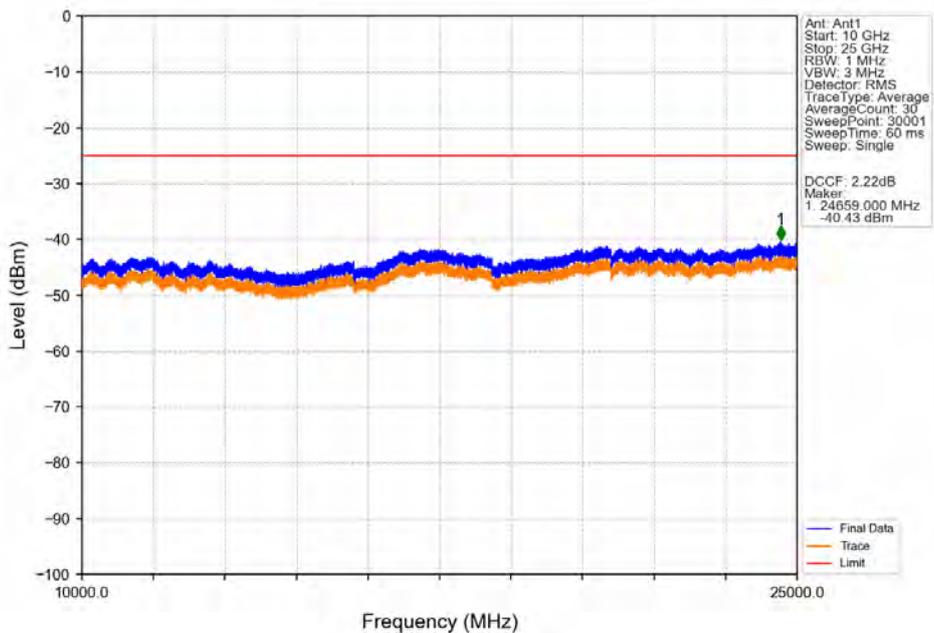


Test Report No.: PSU-NQN2504150110RF03

### Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



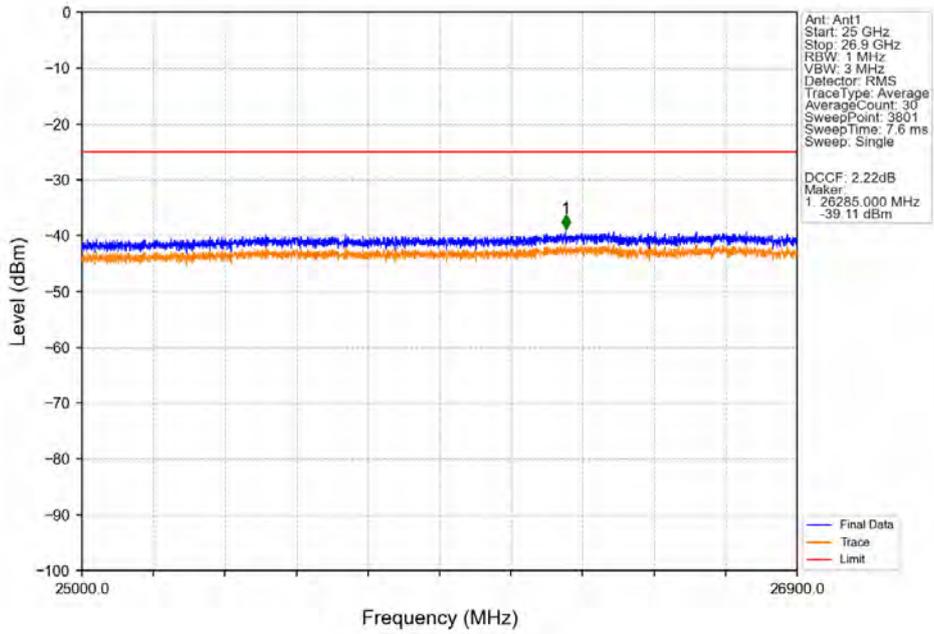
### Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



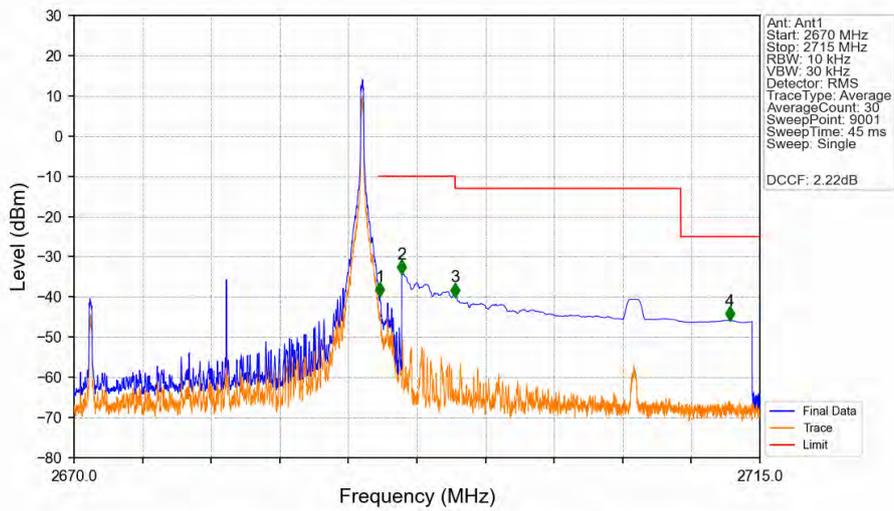


Test Report No.: PSU-NQN2504150110RF03

Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV

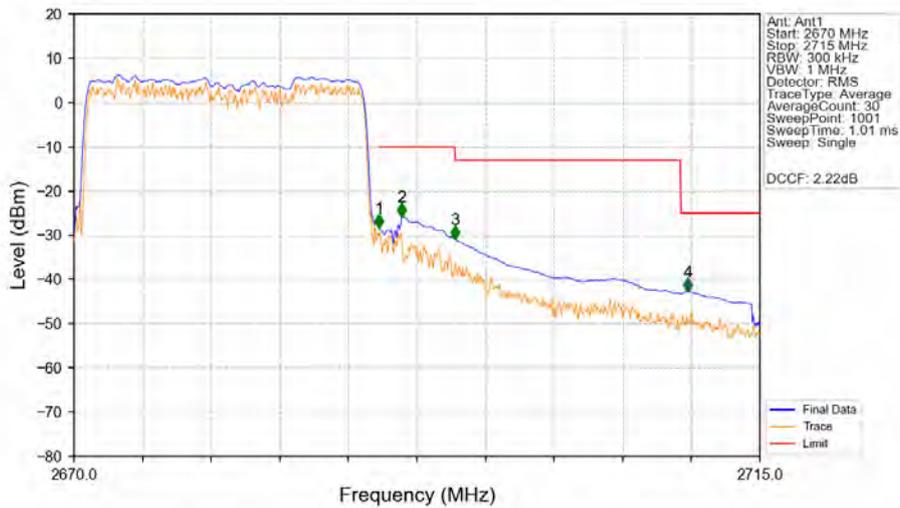


Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_99\_NTNV



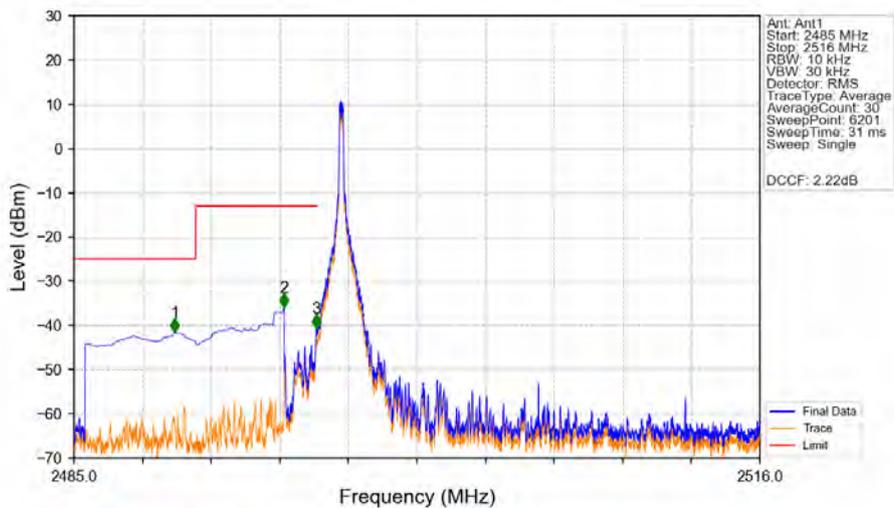
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.060	-39.82	-10	Pass
2691	2695	1	CHP	2	2691.500	-34.18	-10	Pass
2695	2709.806	1	CHP	3	2695.005	-39.97	-13	Pass
2709.806	2715	1	CHP	4	2713.015	-45.85	-25	Pass

Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



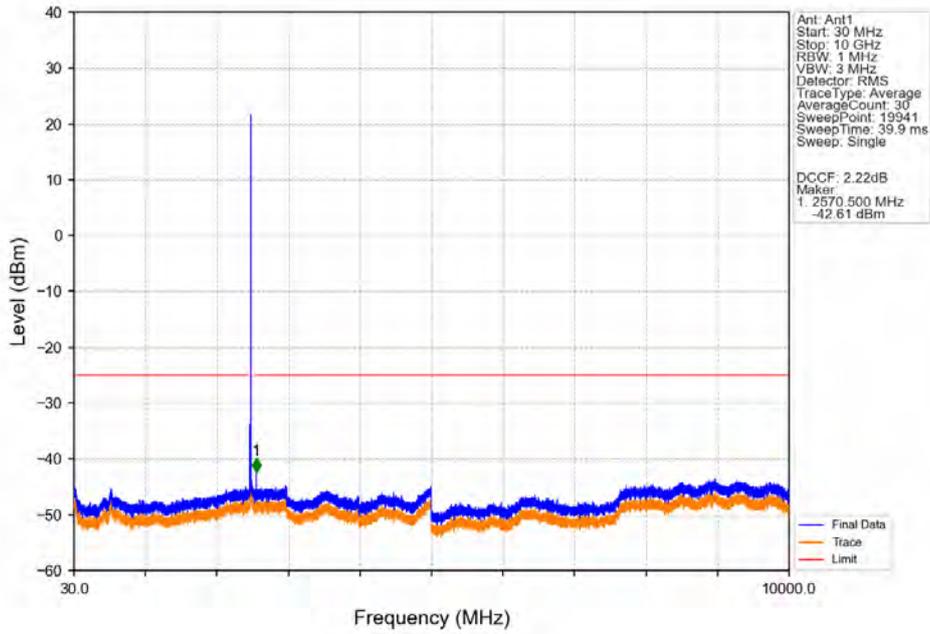
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.396	CHP	/	/	/	/	/
2690	2691	0.396	CHP	1	2690.025	-28.46	-10	Pass
2691	2695	1	CHP	2	2691.510	-25.78	-10	Pass
2695	2709.806	1	CHP	3	2695.020	-30.88	-13	Pass
2709.806	2715	1	CHP	4	2710.275	-42.78	-25	Pass

Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV

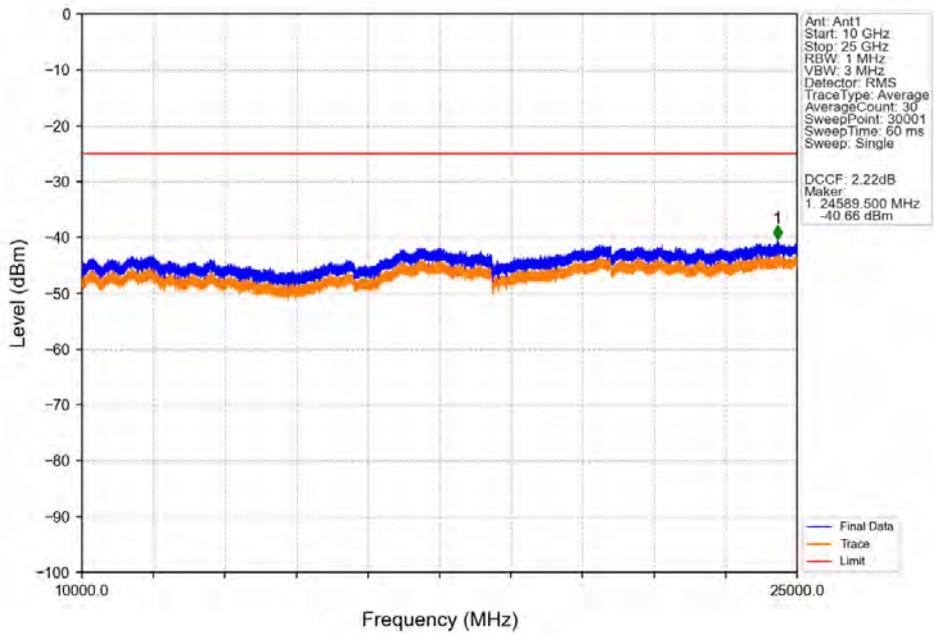


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.560	-41.54	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-35.93	-13	Pass
2495	2496	0.01	/	3	2495.950	-40.62	-13	Pass
2496	2516	0.01	/	/	/	/	/	/

Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV



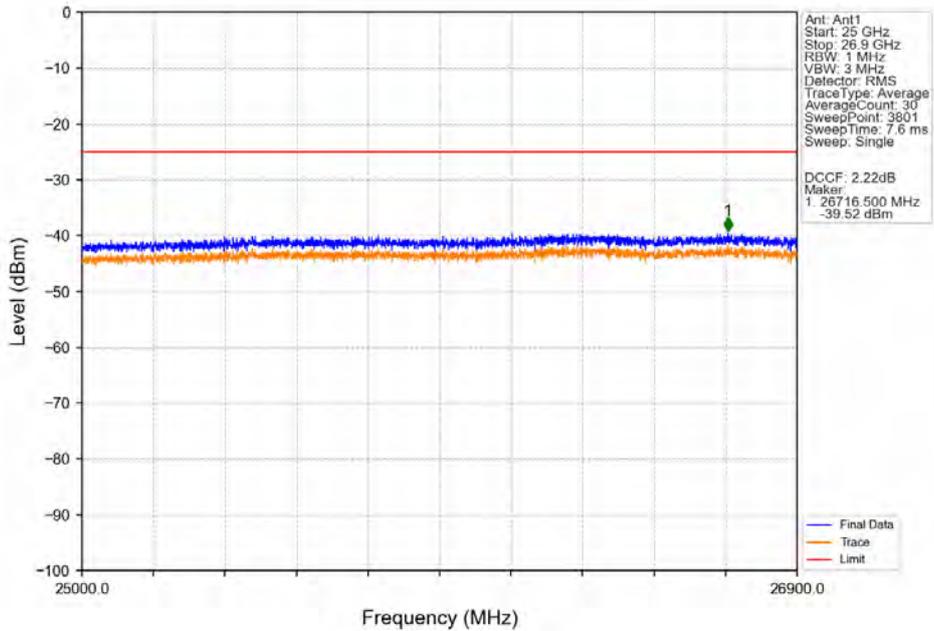
Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV



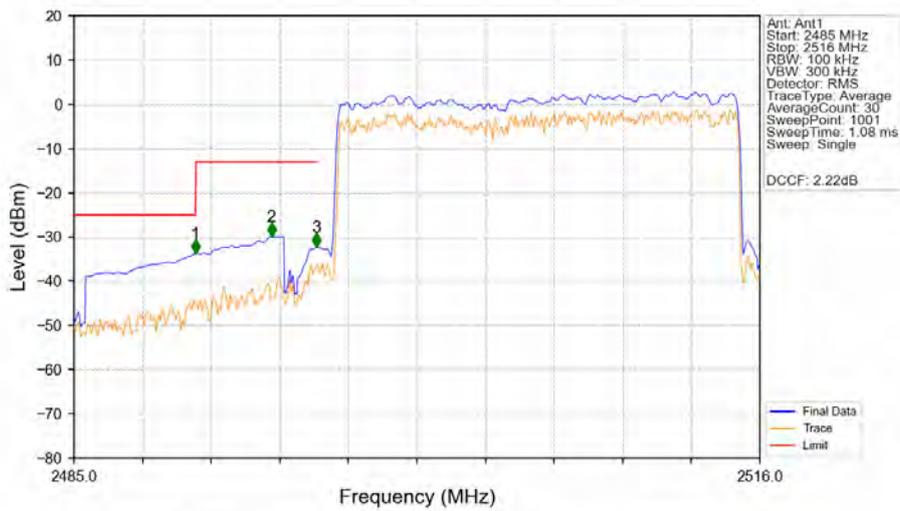


Test Report No.: PSU-NQN2504150110RF03

Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV

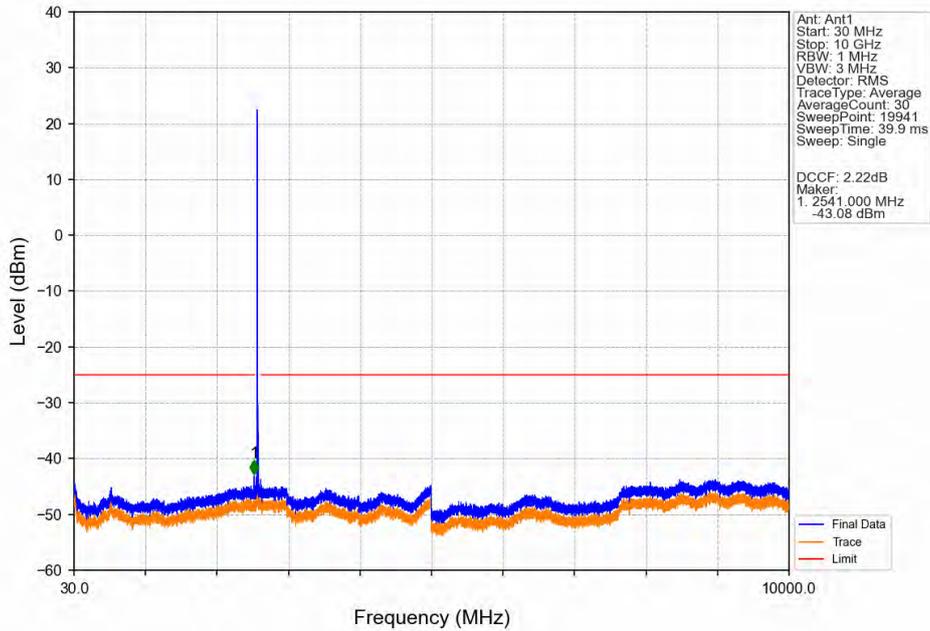


Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV

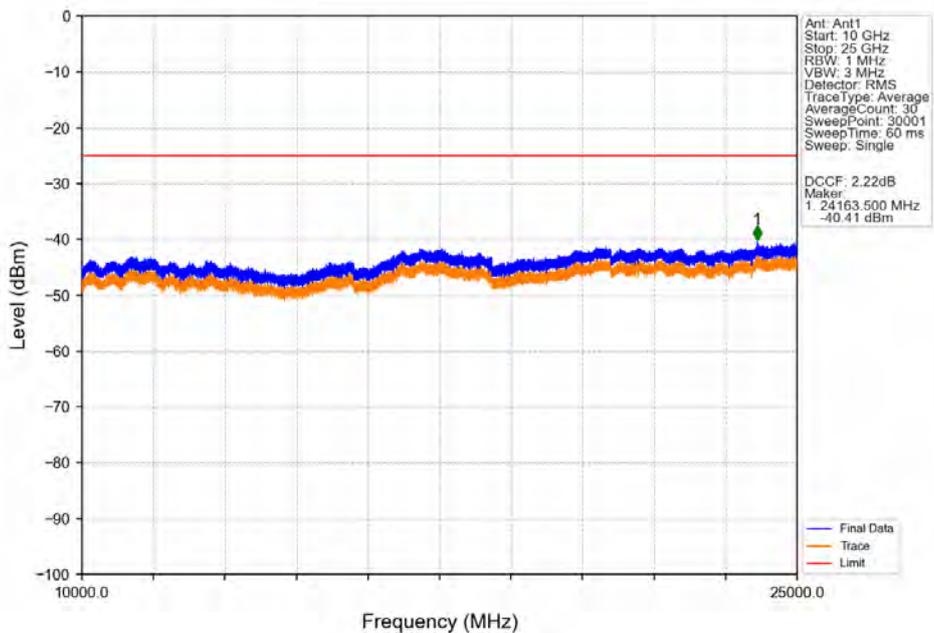


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.487	-33.66	-25	Pass
2490.5	2495	1	CHP	2	2493.928	-29.91	-13	Pass
2495	2496	0.198	CHP	3	2495.943	-32.26	-13	Pass
2496	2516	0.198	CHP	/	/	/	/	/

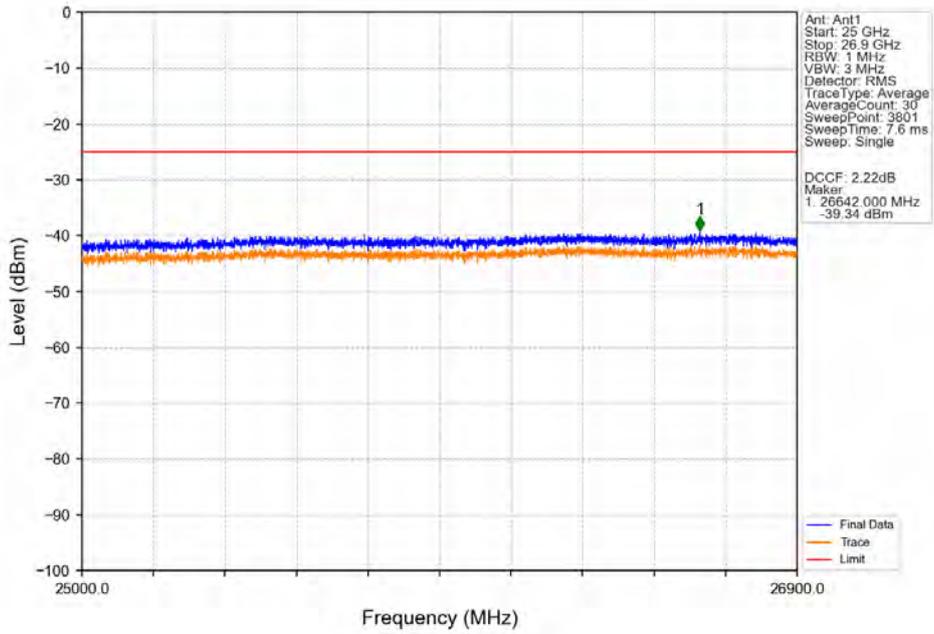
Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



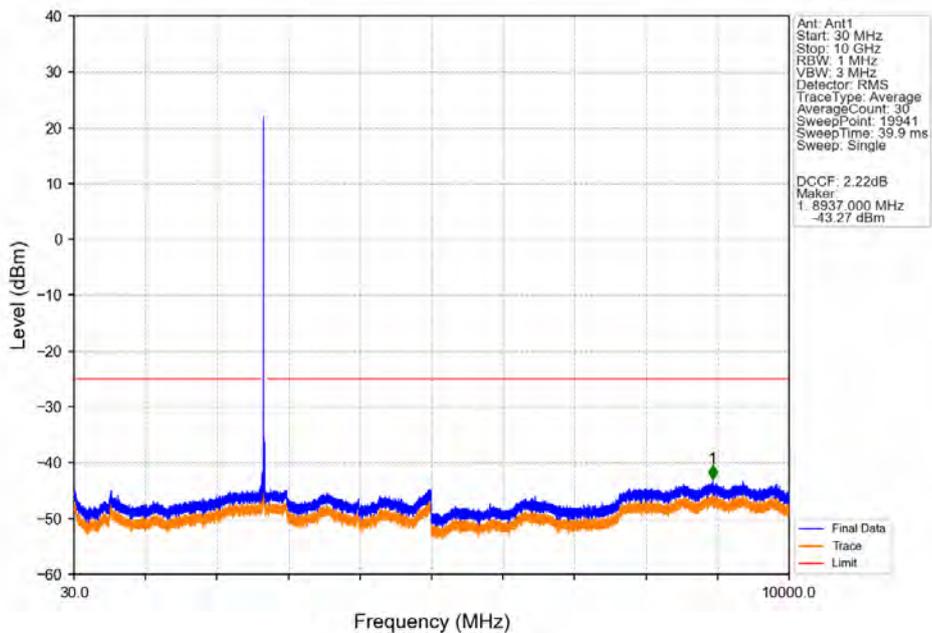
Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



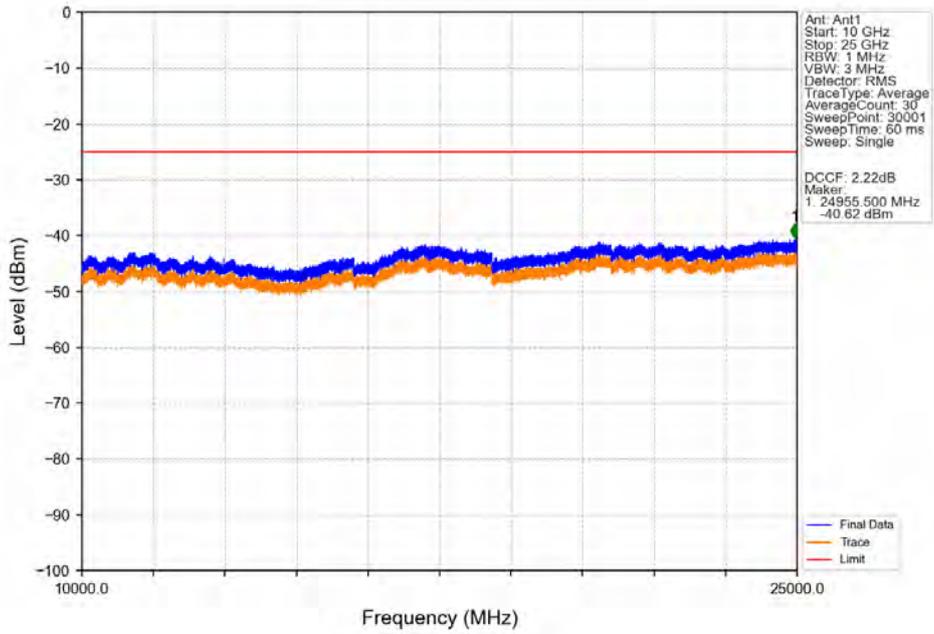
Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV



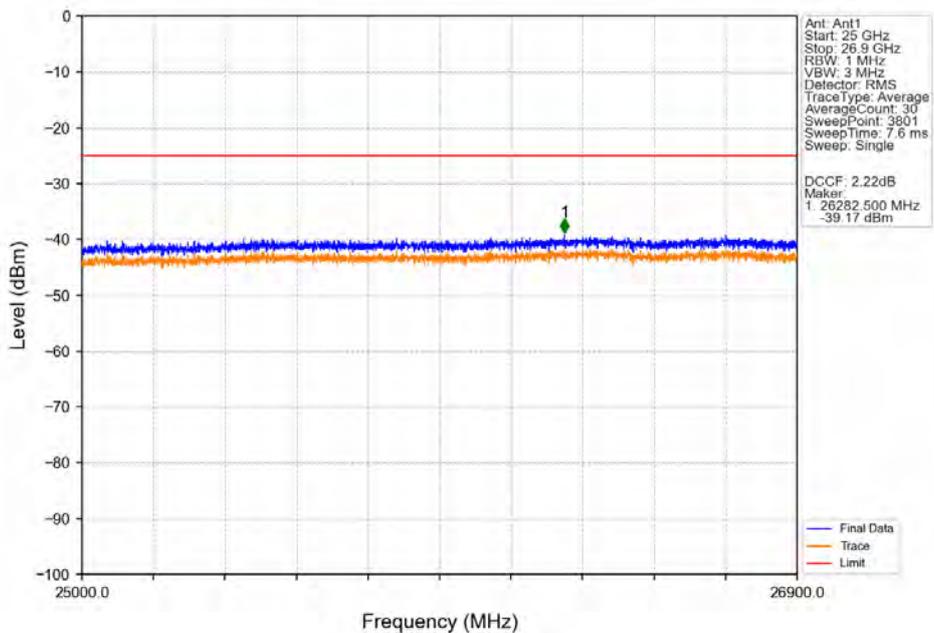


Test Report No.: PSU-NQN2504150110RF03

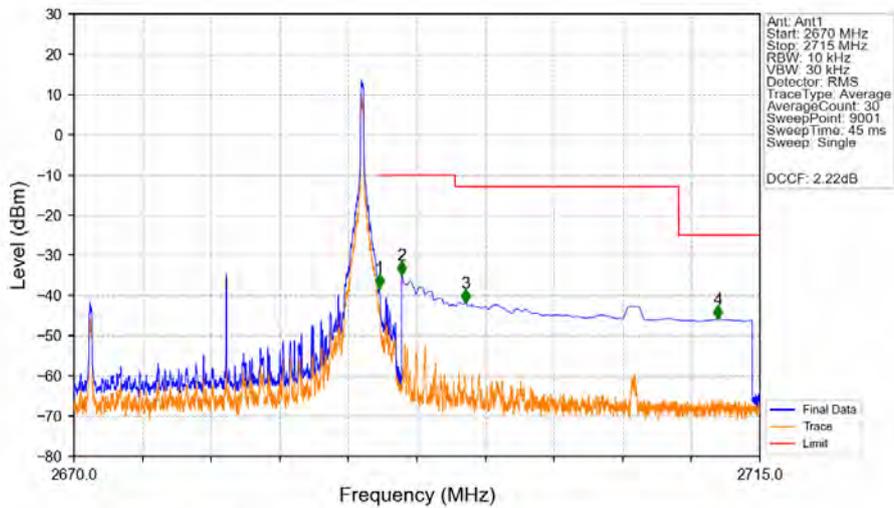
Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV

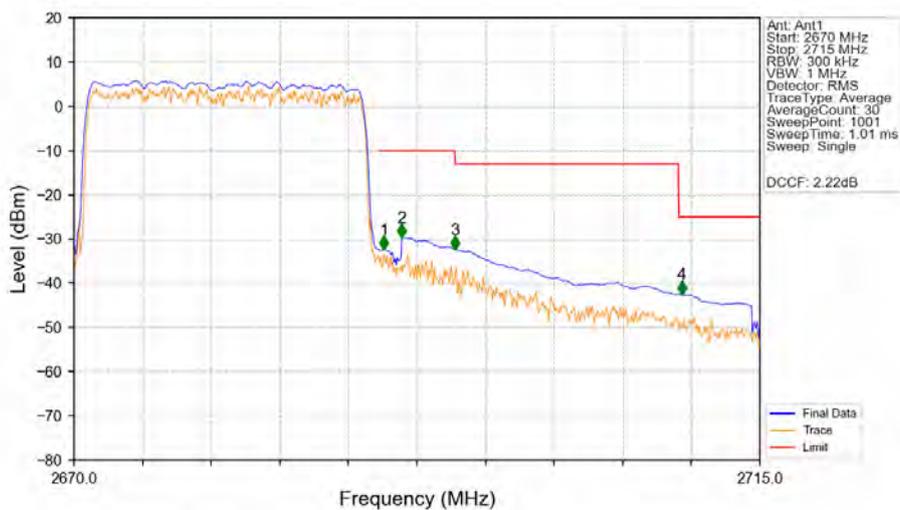


Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_1\_99\_NTNV



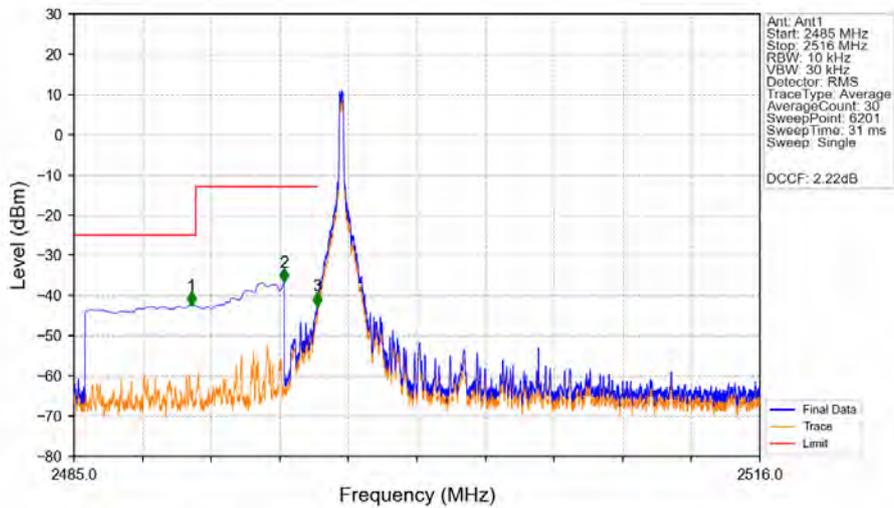
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.035	-37.99	-10	Pass
2691	2695	1	CHP	2	2691.500	-34.83	-10	Pass
2695	2709.67	1	CHP	3	2695.665	-41.82	-13	Pass
2709.67	2715	1	CHP	4	2712.260	-45.90	-25	Pass

Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV



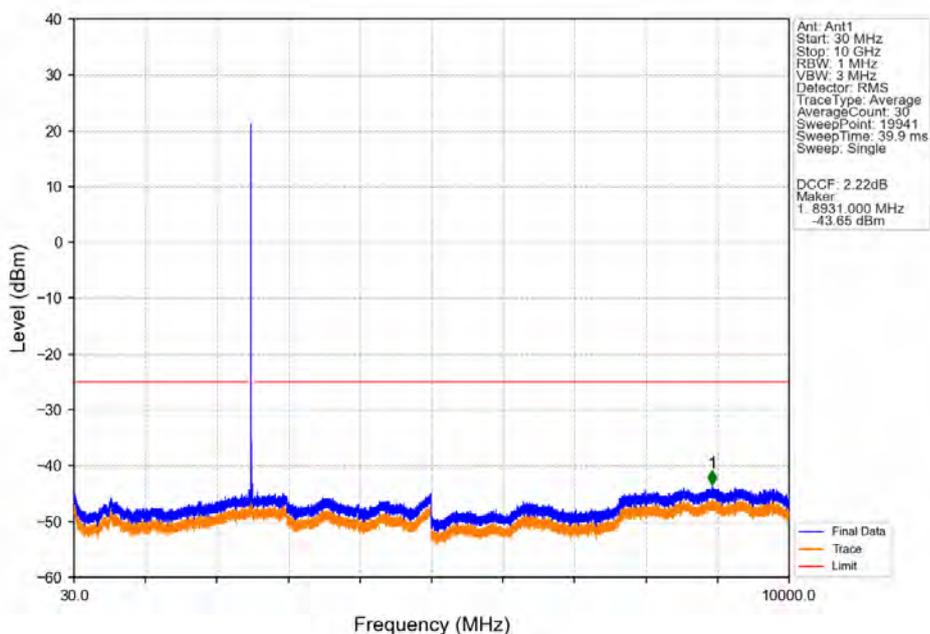
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.393	CHP	/	/	/	/	/
2690	2691	0.393	CHP	1	2690.340	-32.41	-10	Pass
2691	2695	1	CHP	2	2691.510	-29.64	-10	Pass
2695	2709.67	1	CHP	3	2695.020	-32.42	-13	Pass
2709.67	2715	1	CHP	4	2709.870	-42.51	-25	Pass

Band41\_20MHz\_64QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV

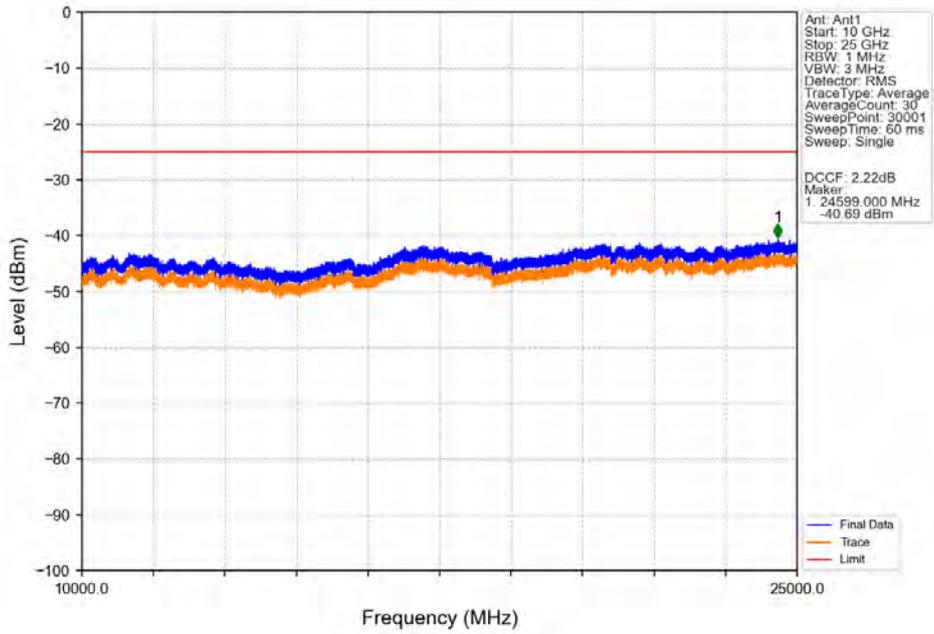


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.300	-42.41	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-36.75	-13	Pass
2495	2496	0.01	/	3	2495.990	-42.57	-13	Pass
2496	2516	0.01	/	/	/	/	/	/

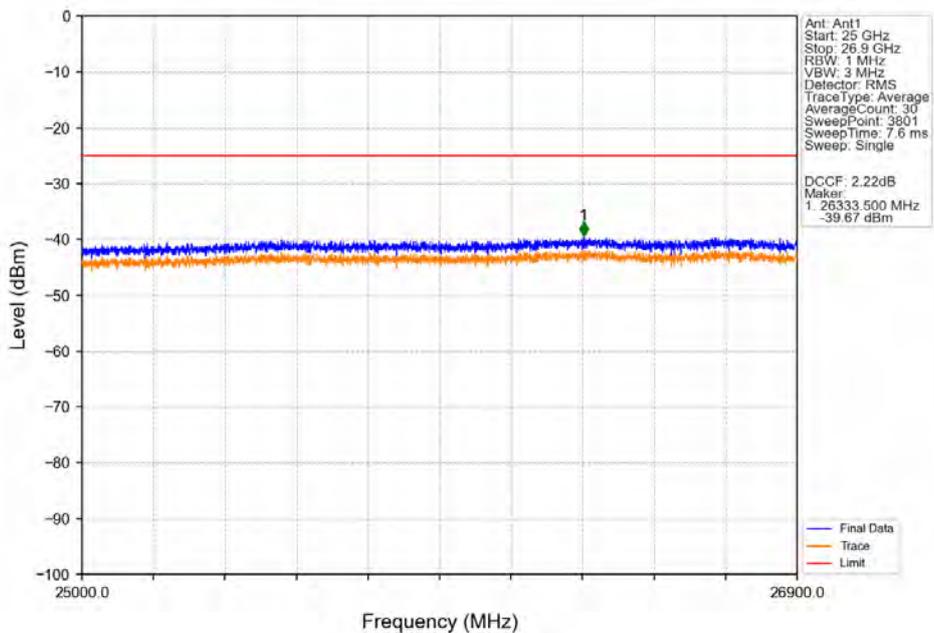
Band41\_20MHz\_64QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV



Band41\_20MHz\_64QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV



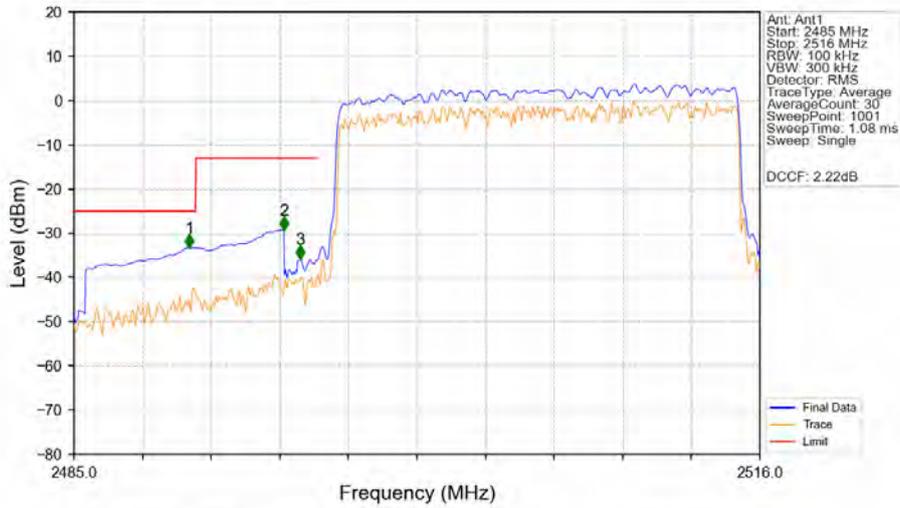
Band41\_20MHz\_64QAM\_LCH\_2506MHz\_RB\_1\_0\_NTNV





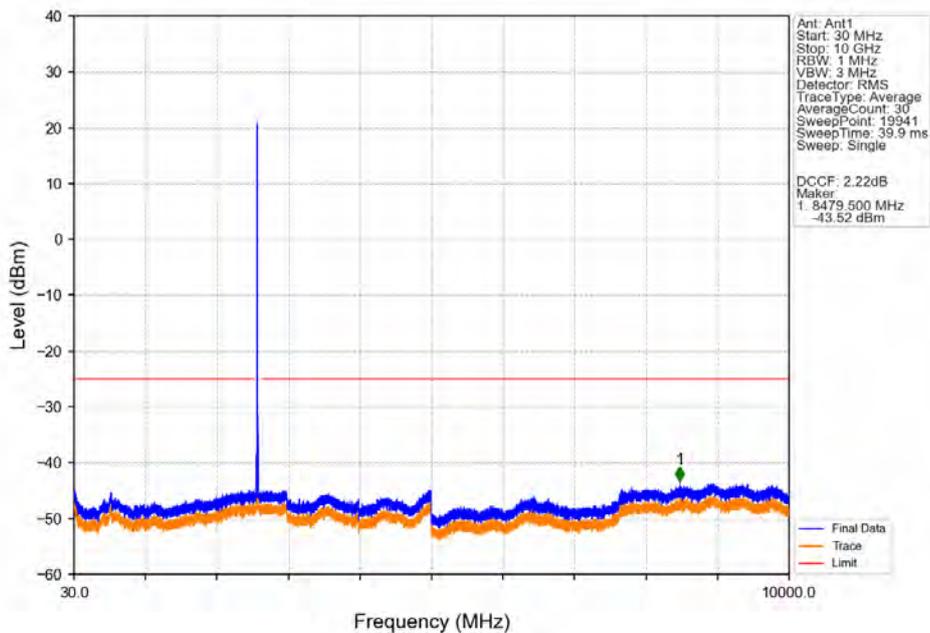
Test Report No.: PSU-NQN2504150110RF03

Band41\_20MHz\_64QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.208	-33.23	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-29.29	-13	Pass
2495	2496	0.195	CHP	3	2495.230	-35.94	-13	Pass
2496	2516	0.195	CHP	/	/	/	/	/

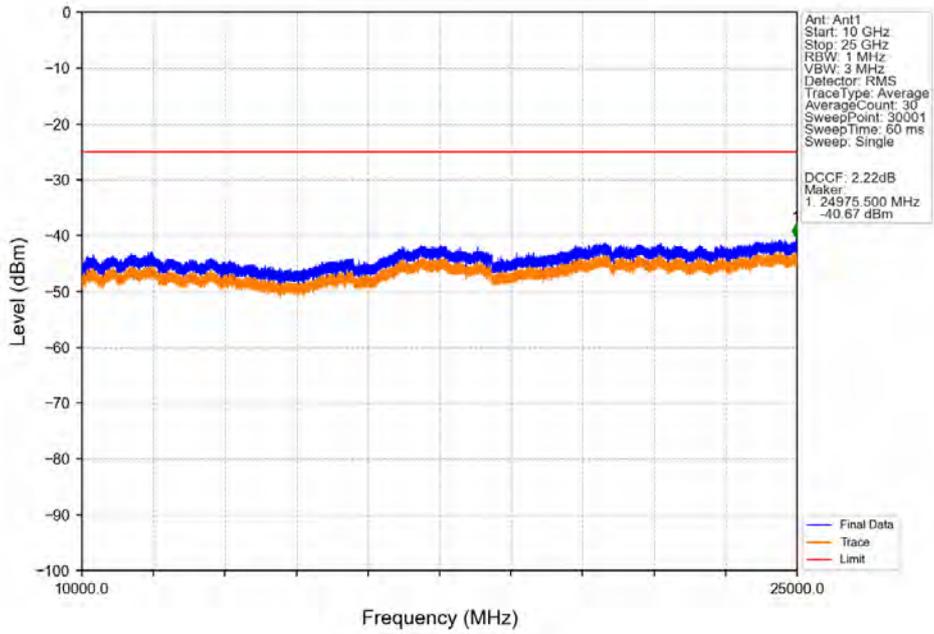
Band41\_20MHz\_64QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



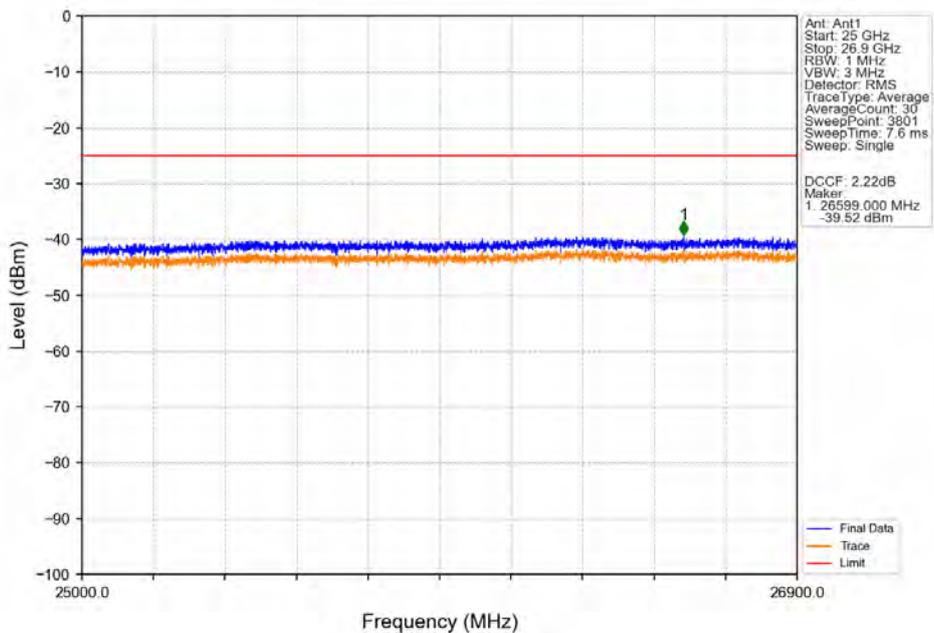


Test Report No.: PSU-NQN2504150110RF03

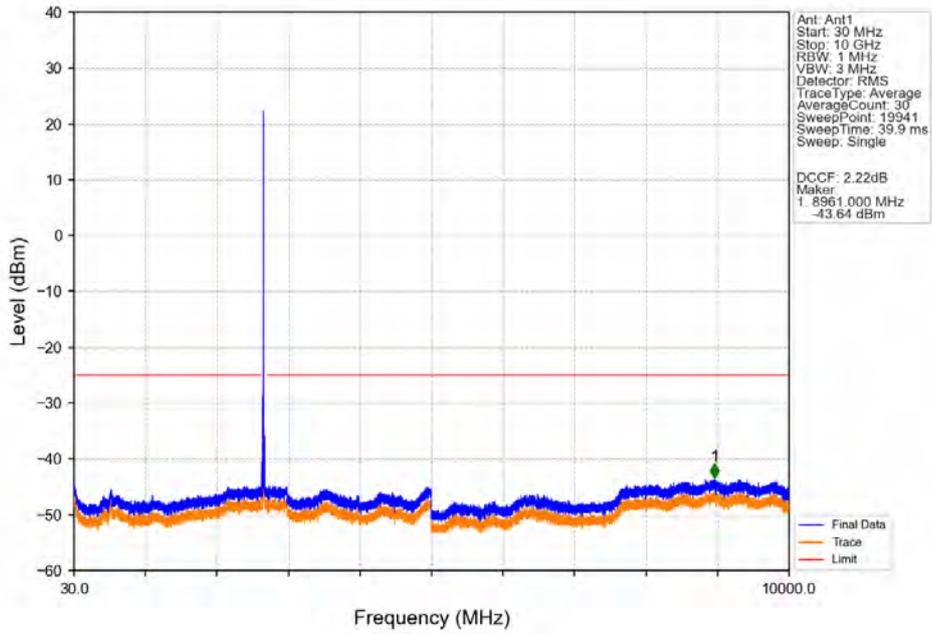
Band41\_20MHz\_64QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



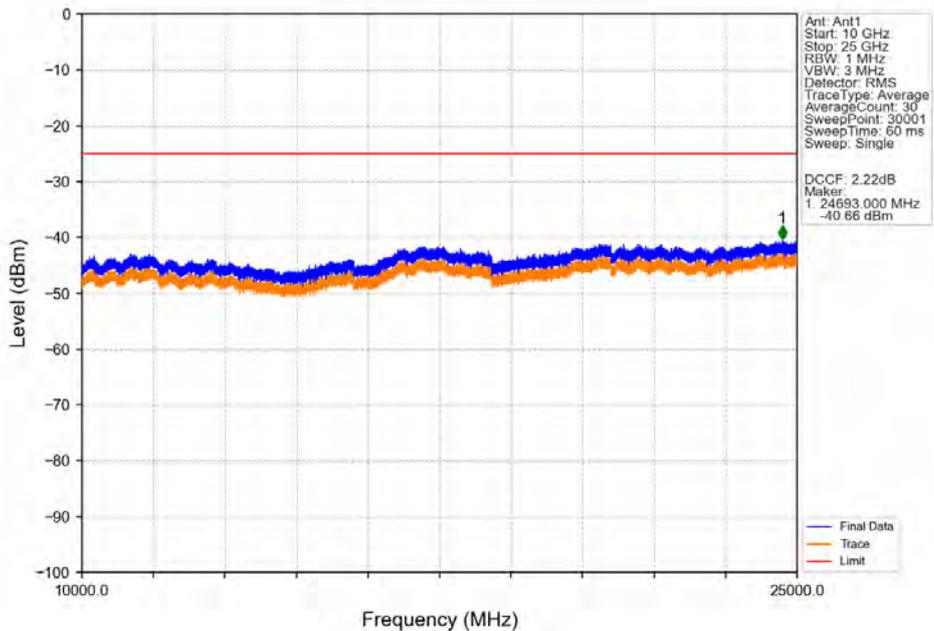
Band41\_20MHz\_64QAM\_MCH\_2593MHz\_RB\_1\_0\_NTNV



Band41\_20MHz\_64QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV

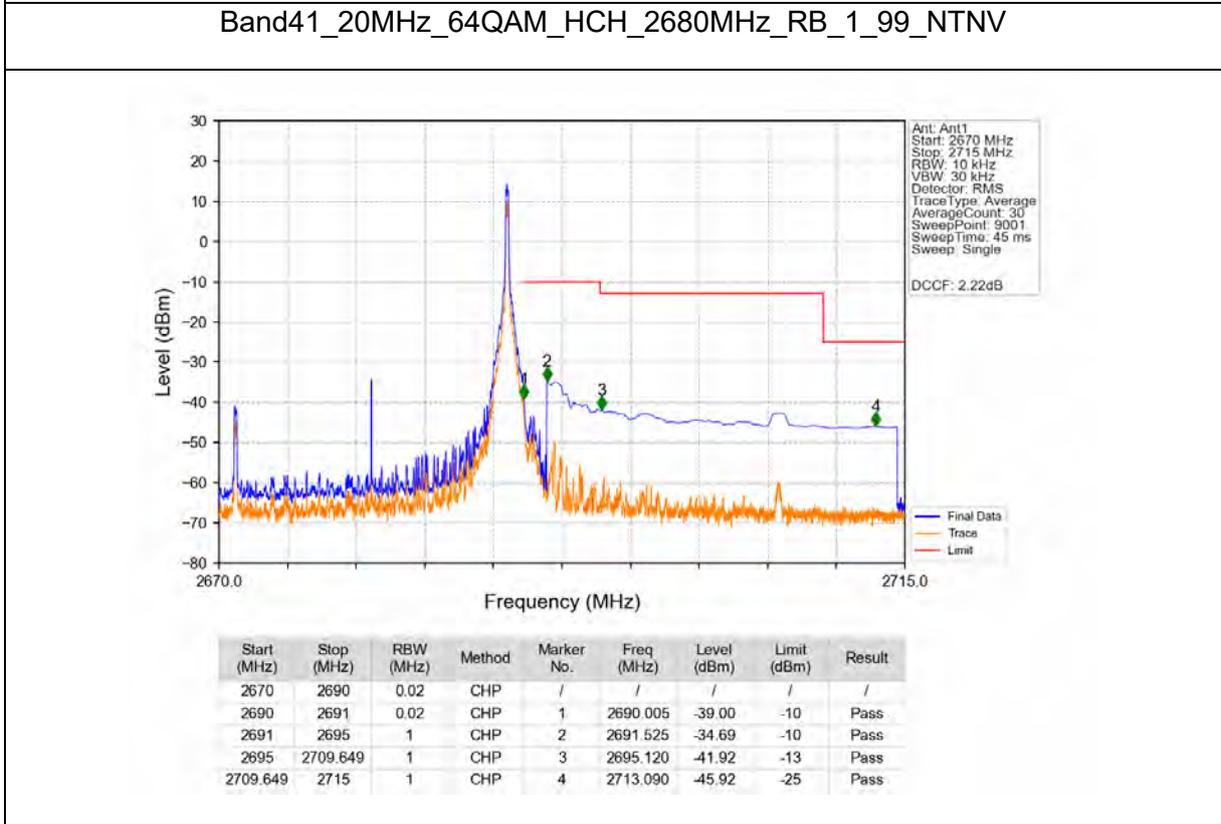
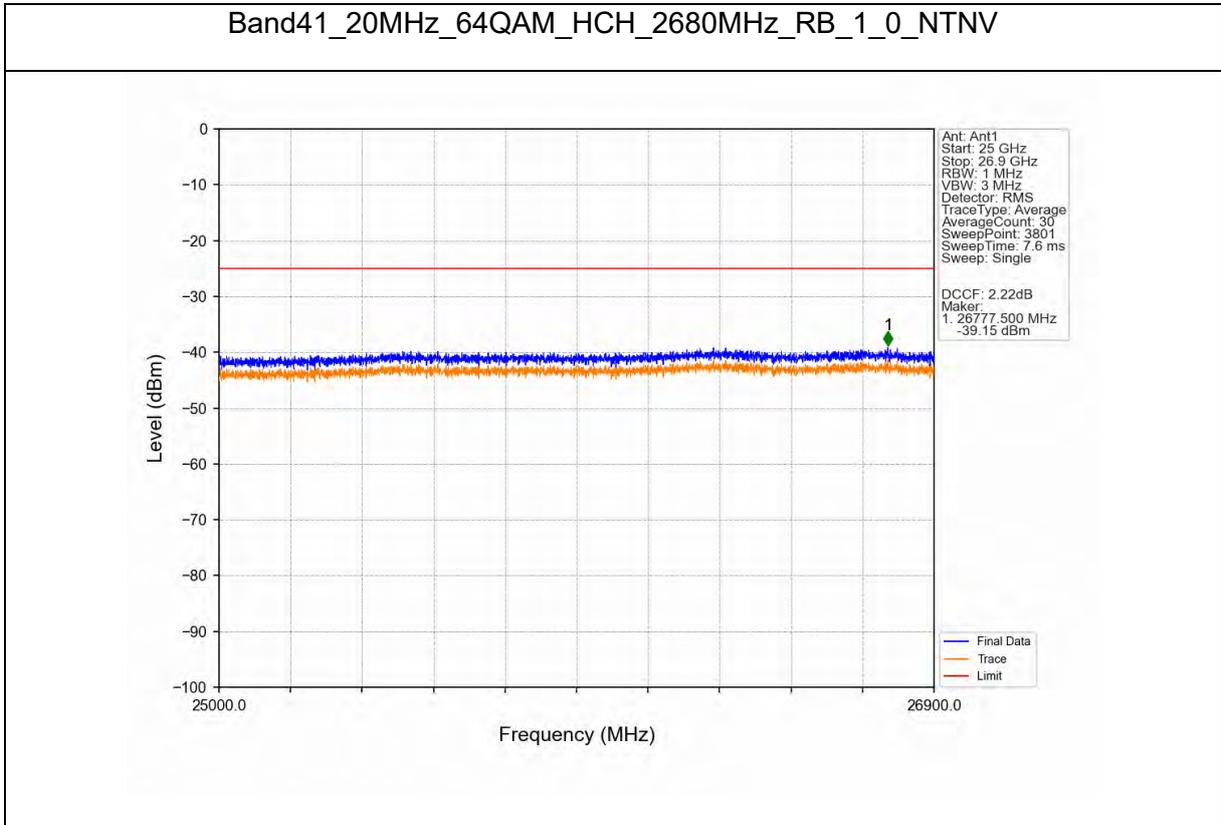


Band41\_20MHz\_64QAM\_HCH\_2680MHz\_RB\_1\_0\_NTNV

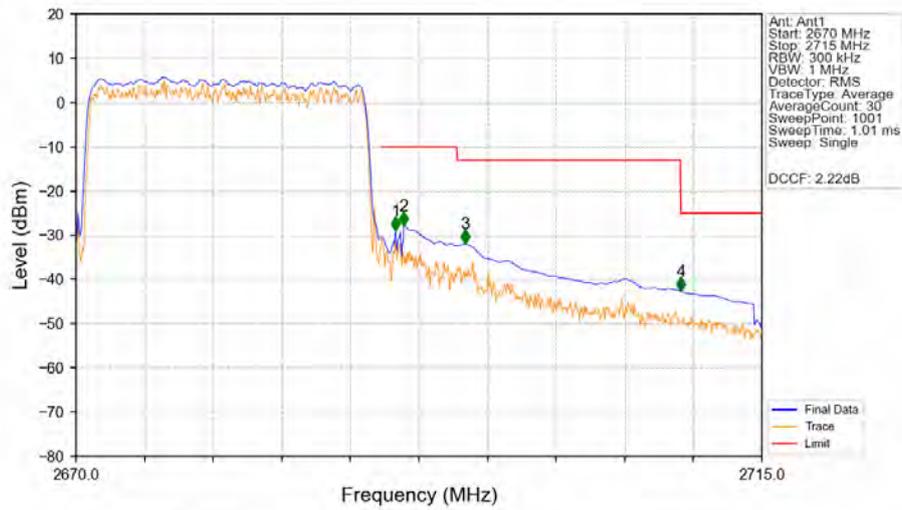




Test Report No.: PSU-NQN2504150110RF03



Band41\_20MHz\_64QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.393	CHP	/	/	/	/	/
2690	2691	0.393	CHP	1	2690.970	-28.96	-10	Pass
2691	2695	1	CHP	2	2691.510	-27.90	-10	Pass
2695	2709.649	1	CHP	3	2695.515	-31.89	-13	Pass
2709.649	2715	1	CHP	4	2709.690	-42.66	-25	Pass



### FREQUENCY STABILITY

#### Test Result

B41\_5MHz

Band: 41 / Bandwidth: 5MHz											
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict		
		Size	Offset				Result	Limit			
QPSK	2498.5	25	0	20	3.4	-1.900	-0.0008	-2.5 to 2.5	Pass		
					4	0.200	0.0001	-2.5 to 2.5	Pass		
					4.6	0.600	0.0002	-2.5 to 2.5	Pass		
					5	4	2.200	0.0009	-2.5 to 2.5	Pass	
					15	4	1.800	0.0007	-2.5 to 2.5	Pass	
					25	4	-0.200	-0.0001	-2.5 to 2.5	Pass	
	2593	25	0	20	3.4	-0.200	-0.0001	-2.5 to 2.5	Pass		
					4	-0.200	-0.0001	-2.5 to 2.5	Pass		
					4.6	0.000	0.0000	-2.5 to 2.5	Pass		
					5	4	-1.200	-0.0005	-2.5 to 2.5	Pass	
					15	4	0.800	0.0003	-2.5 to 2.5	Pass	
					25	4	4.000	0.0015	-2.5 to 2.5	Pass	
	2687.5	25	0	20	3.4	-3.100	-0.0012	-2.5 to 2.5	Pass		
					4	-1.800	-0.0007	-2.5 to 2.5	Pass		
					4.6	-4.200	-0.0016	-2.5 to 2.5	Pass		
					5	4	-3.200	-0.0012	-2.5 to 2.5	Pass	
					15	4	-4.600	-0.0017	-2.5 to 2.5	Pass	
					25	4	-2.000	-0.0007	-2.5 to 2.5	Pass	
	16QAM	2498.5	25	0	20	3.4	0.500	0.0002	-2.5 to 2.5	Pass	
						4	3.000	0.0012	-2.5 to 2.5	Pass	
						4.6	-3.300	-0.0013	-2.5 to 2.5	Pass	
						5	4	-3.200	-0.0013	-2.5 to 2.5	Pass
						15	4	7.400	0.0030	-2.5 to 2.5	Pass
						25	4	-0.200	-0.0001	-2.5 to 2.5	Pass
2593		25	0	20	3.4	-1.200	-0.0005	-2.5 to 2.5	Pass		
					4	-2.100	-0.0008	-2.5 to 2.5	Pass		
					4.6	-0.600	-0.0002	-2.5 to 2.5	Pass		
					5	4	1.700	0.0007	-2.5 to 2.5	Pass	
					15	4	-1.400	-0.0005	-2.5 to 2.5	Pass	
					25	4	-3.900	-0.0015	-2.5 to 2.5	Pass	
2687.5		25	0	20	3.4	-8.500	-0.0032	-2.5 to 2.5	Pass		
					4	-5.300	-0.0020	-2.5 to 2.5	Pass		
					4.6	-9.000	-0.0033	-2.5 to 2.5	Pass		
					5	4	-6.000	-0.0022	-2.5 to 2.5	Pass	
					15	4	-0.900	-0.0003	-2.5 to 2.5	Pass	
					25	4	-1.800	-0.0007	-2.5 to 2.5	Pass	
64QAM		2498.5	25	0	20	3.4	-10.500	-0.0042	-2.5 to 2.5	Pass	
						4	-58.200	-0.0233	-2.5 to 2.5	Pass	
						4.6	-23.700	-0.0095	-2.5 to 2.5	Pass	
						5	4	-27.900	-0.0112	-2.5 to 2.5	Pass
						15	4	-27.000	-0.0108	-2.5 to 2.5	Pass
						25	4	-8.100	-0.0032	-2.5 to 2.5	Pass
	2593	25	0	20	3.4	-26.900	-0.0104	-2.5 to 2.5	Pass		
					4	0.700	0.0003	-2.5 to 2.5	Pass		
					4.6	4.000	0.0016	-2.5 to 2.5	Pass		
					5	4	4.000	0.0016	-2.5 to 2.5	Pass	
					15	4	4.000	0.0016	-2.5 to 2.5	Pass	
					25	4	4.000	0.0016	-2.5 to 2.5	Pass	



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VERITAS**

**Test Report No.: PSU-NQN2504150110RF03**

				4.6	34.600	0.0133	-2.5 to 2.5	Pass	
				5	4	0.700	0.0003	-2.5 to 2.5	Pass
				15	4	31.100	0.0120	-2.5 to 2.5	Pass
				25	4	34.300	0.0132	-2.5 to 2.5	Pass
				35	4	22.600	0.0087	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.4	-36.900	-0.0137	-2.5 to 2.5	Pass
					4	-6.700	-0.0025	-2.5 to 2.5	Pass
					4.6	-0.800	-0.0003	-2.5 to 2.5	Pass
				5	4	-44.200	-0.0164	-2.5 to 2.5	Pass
				15	4	32.300	0.0120	-2.5 to 2.5	Pass
				25	4	-34.400	-0.0128	-2.5 to 2.5	Pass
				35	4	34.400	0.0128	-2.5 to 2.5	Pass

B41\_10MHz

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.4	-4.400	-0.0018	-2.5 to 2.5	Pass
					4	-6.000	-0.0024	-2.5 to 2.5	Pass
					4.6	-6.200	-0.0025	-2.5 to 2.5	Pass
				5	4	-3.400	-0.0014	-2.5 to 2.5	Pass
				15	4	-3.400	-0.0014	-2.5 to 2.5	Pass
				25	4	-3.200	-0.0013	-2.5 to 2.5	Pass
				35	4	-4.600	-0.0018	-2.5 to 2.5	Pass
	2593	50	0	20	3.4	-0.500	-0.0002	-2.5 to 2.5	Pass
					4	0.000	0.0000	-2.5 to 2.5	Pass
					4.6	-0.500	-0.0002	-2.5 to 2.5	Pass
				5	4	-3.600	-0.0014	-2.5 to 2.5	Pass
				15	4	0.700	0.0003	-2.5 to 2.5	Pass
				25	4	1.700	0.0007	-2.5 to 2.5	Pass
				35	4	1.000	0.0004	-2.5 to 2.5	Pass
	2685	50	0	20	3.4	-7.500	-0.0028	-2.5 to 2.5	Pass
					4	0.000	0.0000	-2.5 to 2.5	Pass
					4.6	-1.000	-0.0004	-2.5 to 2.5	Pass
				5	4	-3.800	-0.0014	-2.5 to 2.5	Pass
				15	4	-3.000	-0.0011	-2.5 to 2.5	Pass
				25	4	-1.400	-0.0005	-2.5 to 2.5	Pass
				35	4	-2.800	-0.0010	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.4	-5.600	-0.0022	-2.5 to 2.5	Pass
					4	-3.900	-0.0016	-2.5 to 2.5	Pass
					4.6	-6.400	-0.0026	-2.5 to 2.5	Pass
				5	4	-4.500	-0.0018	-2.5 to 2.5	Pass
				15	4	-5.200	-0.0021	-2.5 to 2.5	Pass
				25	4	-4.200	-0.0017	-2.5 to 2.5	Pass
				35	4	-2.200	-0.0009	-2.5 to 2.5	Pass
	2593	50	0	20	3.4	1.400	0.0005	-2.5 to 2.5	Pass
					4	0.000	0.0000	-2.5 to 2.5	Pass
					4.6	-3.800	-0.0015	-2.5 to 2.5	Pass
				5	4	-4.900	-0.0019	-2.5 to 2.5	Pass
				15	4	0.600	0.0002	-2.5 to 2.5	Pass
				25	4	-0.900	-0.0003	-2.5 to 2.5	Pass
				35	4	1.100	0.0004	-2.5 to 2.5	Pass
	2685	50	0	20	3.4	-6.500	-0.0024	-2.5 to 2.5	Pass
					4	-9.300	-0.0035	-2.5 to 2.5	Pass
					4.6	-7.400	-0.0028	-2.5 to 2.5	Pass
				5	4	-8.100	-0.0030	-2.5 to 2.5	Pass
				15	4	-6.900	-0.0026	-2.5 to 2.5	Pass
				25	4	-3.400	-0.0013	-2.5 to 2.5	Pass
				35	4	-0.800	-0.0003	-2.5 to 2.5	Pass
64QAM	2501	50	0	20	3.4	7.200	0.0029	-2.5 to 2.5	Pass



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VERITAS**

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				4	-18.300	-0.0073	-2.5 to 2.5	Pass		
				4.6	-14.400	-0.0058	-2.5 to 2.5	Pass		
				5	4	-25.100	-0.0100	-2.5 to 2.5	Pass	
				15	4	1.600	0.0006	-2.5 to 2.5	Pass	
				25	4	7.200	0.0029	-2.5 to 2.5	Pass	
				35	4	-24.500	-0.0098	-2.5 to 2.5	Pass	
	2593	50	0	20	3.4	12.600	0.0049	-2.5 to 2.5	Pass	
					4	-0.600	-0.0002	-2.5 to 2.5	Pass	
					4.6	2.000	0.0008	-2.5 to 2.5	Pass	
					5	4	-16.900	-0.0065	-2.5 to 2.5	Pass
					15	4	-4.400	-0.0017	-2.5 to 2.5	Pass
					25	4	-14.100	-0.0054	-2.5 to 2.5	Pass
	2685	50	0	35	4	-5.600	-0.0022	-2.5 to 2.5	Pass	
					20	3.4	-2.600	-0.0010	-2.5 to 2.5	Pass
						4	-2.800	-0.0010	-2.5 to 2.5	Pass
						4.6	-6.100	-0.0023	-2.5 to 2.5	Pass
					5	4	-23.300	-0.0087	-2.5 to 2.5	Pass
					15	4	-10.000	-0.0037	-2.5 to 2.5	Pass
25	4	-7.900	-0.0029	-2.5 to 2.5	Pass					
35	4	11.000	0.0041	-2.5 to 2.5	Pass					

B41\_15MHz

Band: 41 / Bandwidth: 15MHz											
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict		
		Size	Offset				Result	Limit			
QPSK	2503.5	75	0	20	3.4	-8.900	-0.0036	-2.5 to 2.5	Pass		
					4	-1.900	-0.0008	-2.5 to 2.5	Pass		
					4.6	-2.400	-0.0010	-2.5 to 2.5	Pass		
					5	4	-1.000	-0.0004	-2.5 to 2.5	Pass	
					15	4	-1.400	-0.0006	-2.5 to 2.5	Pass	
					25	4	0.000	0.0000	-2.5 to 2.5	Pass	
	2593	75	0	35	4	-3.800	-0.0015	-2.5 to 2.5	Pass		
					20	3.4	3.000	0.0012	-2.5 to 2.5	Pass	
						4	-1.300	-0.0005	-2.5 to 2.5	Pass	
						4.6	0.700	0.0003	-2.5 to 2.5	Pass	
					5	4	-5.500	-0.0021	-2.5 to 2.5	Pass	
					15	4	2.300	0.0009	-2.5 to 2.5	Pass	
	2682.5	75	0	25	4	-0.100	0.0000	-2.5 to 2.5	Pass		
					35	4	-4.100	-0.0016	-2.5 to 2.5	Pass	
					20	3.4	-4.300	-0.0016	-2.5 to 2.5	Pass	
						4	-4.400	-0.0016	-2.5 to 2.5	Pass	
						4.6	-5.700	-0.0021	-2.5 to 2.5	Pass	
					5	4	-3.900	-0.0015	-2.5 to 2.5	Pass	
	15	4	-3.100	-0.0012	-2.5 to 2.5	Pass					
	16QAM	2503.5	75	0	25	4	-3.900	-0.0015	-2.5 to 2.5	Pass	
						35	4	-3.600	-0.0013	-2.5 to 2.5	Pass
						20	3.4	-1.900	-0.0008	-2.5 to 2.5	Pass
							4	-2.700	-0.0011	-2.5 to 2.5	Pass
							4.6	2.200	0.0009	-2.5 to 2.5	Pass
5						4	-1.700	-0.0007	-2.5 to 2.5	Pass	
2593		75	0	15	4	-2.700	-0.0011	-2.5 to 2.5	Pass		
					25	4	-0.300	-0.0001	-2.5 to 2.5	Pass	
					35	4	-0.700	-0.0003	-2.5 to 2.5	Pass	
					20	3.4	-1.600	-0.0006	-2.5 to 2.5	Pass	
						4	1.300	0.0005	-2.5 to 2.5	Pass	
						4.6	0.400	0.0002	-2.5 to 2.5	Pass	
5	4	-1.700	-0.0007	-2.5 to 2.5	Pass						
15	4	0.100	0.0000	-2.5 to 2.5	Pass						
25	4	-1.500	-0.0006	-2.5 to 2.5	Pass						
35	4	1.000	0.0004	-2.5 to 2.5	Pass						



**BUREAU  
VERITAS**

**Test Report No.: PSU-NQN2504150110RF03**

	2682.5	75	0	20	3.4	-5.400	-0.0020	-2.5 to 2.5	Pass				
					4	-1.400	-0.0005	-2.5 to 2.5	Pass				
					4.6	-3.300	-0.0012	-2.5 to 2.5	Pass				
				5	4	-3.700	-0.0014	-2.5 to 2.5	Pass				
					15	4	-4.200	-0.0016	-2.5 to 2.5	Pass			
						25	4	-2.800	-0.0010	-2.5 to 2.5	Pass		
64QAM	2503.5	75	0	20	3.4	2.100	0.0008	-2.5 to 2.5	Pass				
					4	-2.100	-0.0008	-2.5 to 2.5	Pass				
					4.6	8.100	0.0032	-2.5 to 2.5	Pass				
				5	4	-15.900	-0.0064	-2.5 to 2.5	Pass				
					15	4	1.600	0.0006	-2.5 to 2.5	Pass			
						25	4	5.500	0.0022	-2.5 to 2.5	Pass		
	35	4	-2.600	-0.0010	-2.5 to 2.5	Pass							
		2593	75	0	20	3.4	4.500	0.0017	-2.5 to 2.5	Pass			
						4	7.900	0.0030	-2.5 to 2.5	Pass			
	4.6					-0.600	-0.0002	-2.5 to 2.5	Pass				
	2682.5	75	0	5	4	-7.200	-0.0028	-2.5 to 2.5	Pass				
					15	4	14.200	0.0055	-2.5 to 2.5	Pass			
						25	4	7.500	0.0029	-2.5 to 2.5	Pass		
					35	4	-0.200	-0.0001	-2.5 to 2.5	Pass			
						20	75	0	3.4	2.600	0.0010	-2.5 to 2.5	Pass
									4	4.700	0.0018	-2.5 to 2.5	Pass
	4.6	-3.600	-0.0013	-2.5 to 2.5	Pass								
	5	4	1.400	0.0005	-2.5 to 2.5	Pass							
15		4	-3.200	-0.0012	-2.5 to 2.5	Pass							
		25	4	4.900	0.0018	-2.5 to 2.5	Pass						
35	4	-4.000	-0.0015	-2.5 to 2.5	Pass								

B41\_20MHz

Band: 41 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2506	100	0	20	3.4	-1.900	-0.0008	-2.5 to 2.5	Pass	
					4	1.500	0.0006	-2.5 to 2.5	Pass	
					4.6	-7.600	-0.0030	-2.5 to 2.5	Pass	
				5	4	-0.700	-0.0003	-2.5 to 2.5	Pass	
					15	4	-3.300	-0.0013	-2.5 to 2.5	Pass
						25	4	-0.400	-0.0002	-2.5 to 2.5
	35	4	-0.500	-0.0002	-2.5 to 2.5	Pass				
		2593	100	0	20	3.4	1.200	0.0005	-2.5 to 2.5	Pass
						4	-1.700	-0.0007	-2.5 to 2.5	Pass
	4.6					0.700	0.0003	-2.5 to 2.5	Pass	
	2680	100	0	5	4	-1.800	-0.0007	-2.5 to 2.5	Pass	
					15	4	-4.100	-0.0016	-2.5 to 2.5	Pass
						25	4	-0.800	-0.0003	-2.5 to 2.5
				35	4	-0.900	-0.0003	-2.5 to 2.5	Pass	
					20	3.4	-1.700	-0.0006	-2.5 to 2.5	Pass
						4	-1.000	-0.0004	-2.5 to 2.5	Pass
	4.6	0.600	0.0002	-2.5 to 2.5		Pass				
	16QAM	2506	100	0	20	3.4	-6.000	-0.0024	-2.5 to 2.5	Pass
4						-2.900	-0.0012	-2.5 to 2.5	Pass	
4.6						-0.100	0.0000	-2.5 to 2.5	Pass	
5					4	0.000	0.0000	-2.5 to 2.5	Pass	
					15	4	-1.500	-0.0006	-2.5 to 2.5	Pass
						25	4	3.200	0.0013	-2.5 to 2.5



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	2593	100	0	35	4	-2.000	-0.0008	-2.5 to 2.5	Pass
				20	3.4	-5.800	-0.0022	-2.5 to 2.5	Pass
					4	-1.600	-0.0006	-2.5 to 2.5	Pass
					4.6	-1.200	-0.0005	-2.5 to 2.5	Pass
				5	4	7.400	0.0029	-2.5 to 2.5	Pass
				15	4	0.200	0.0001	-2.5 to 2.5	Pass
				25	4	-5.300	-0.0020	-2.5 to 2.5	Pass
	35	4	0.400	0.0002	-2.5 to 2.5	Pass			
	2680	100	0	20	3.4	1.200	0.0004	-2.5 to 2.5	Pass
					4	-1.100	-0.0004	-2.5 to 2.5	Pass
					4.6	0.000	0.0000	-2.5 to 2.5	Pass
				5	4	-1.500	-0.0006	-2.5 to 2.5	Pass
				15	4	-2.100	-0.0008	-2.5 to 2.5	Pass
				25	4	-0.800	-0.0003	-2.5 to 2.5	Pass
35				4	-0.500	-0.0002	-2.5 to 2.5	Pass	
64QAM	2506	100	0	20	3.4	14.100	0.0056	-2.5 to 2.5	Pass
					4	-24.900	-0.0099	-2.5 to 2.5	Pass
					4.6	-14.000	-0.0056	-2.5 to 2.5	Pass
				5	4	0.100	0.0000	-2.5 to 2.5	Pass
				15	4	-13.200	-0.0053	-2.5 to 2.5	Pass
				25	4	8.000	0.0032	-2.5 to 2.5	Pass
	35	4	-19.400	-0.0077	-2.5 to 2.5	Pass			
	2593	100	0	20	3.4	-3.200	-0.0012	-2.5 to 2.5	Pass
					4	-0.400	-0.0002	-2.5 to 2.5	Pass
					4.6	-4.900	-0.0019	-2.5 to 2.5	Pass
				5	4	-11.100	-0.0043	-2.5 to 2.5	Pass
				15	4	6.300	0.0024	-2.5 to 2.5	Pass
				25	4	-3.300	-0.0013	-2.5 to 2.5	Pass
	35	4	-4.700	-0.0018	-2.5 to 2.5	Pass			
	2680	100	0	20	3.4	-19.500	-0.0073	-2.5 to 2.5	Pass
					4	11.900	0.0044	-2.5 to 2.5	Pass
					4.6	10.500	0.0039	-2.5 to 2.5	Pass
				5	4	18.600	0.0069	-2.5 to 2.5	Pass
				15	4	3.000	0.0011	-2.5 to 2.5	Pass
				25	4	0.900	0.0003	-2.5 to 2.5	Pass
	35	4	-5.100	-0.0019	-2.5 to 2.5	Pass			



## LTE BAND66

### PEAK-TO-AVERAGE RATIO (CCDF)

#### Test Result

B66\_1.4MHz

Band: 66 / Bandwidth: 1.4MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.60	<=13	Pass
	1745	6	0	4.54	<=13	Pass
	1779.3	6	0	4.70	<=13	Pass
16QAM	1710.7	6	0	5.56	<=13	Pass
	1745	6	0	5.42	<=13	Pass
	1779.3	6	0	5.66	<=13	Pass
64QAM	1710.7	6	0	5.60	<=13	Pass
	1745	6	0	5.44	<=13	Pass
	1779.3	6	0	5.68	<=13	Pass

B66\_3MHz

Band: 66 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.60	<=13	Pass
	1745	15	0	4.40	<=13	Pass
	1778.5	15	0	4.66	<=13	Pass
16QAM	1711.5	15	0	5.56	<=13	Pass
	1745	15	0	5.40	<=13	Pass
	1778.5	15	0	5.62	<=13	Pass
64QAM	1711.5	15	0	5.56	<=13	Pass
	1745	15	0	5.40	<=13	Pass
	1778.5	15	0	5.68	<=13	Pass

B66\_5MHz

Band: 66 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	4.64	<=13	Pass
	1745	25	0	4.58	<=13	Pass
	1777.5	25	0	4.66	<=13	Pass
16QAM	1712.5	25	0	5.76	<=13	Pass
	1745	25	0	5.64	<=13	Pass
	1777.5	25	0	5.78	<=13	Pass
64QAM	1712.5	25	0	5.76	<=13	Pass
	1745	25	0	5.62	<=13	Pass
	1777.5	25	0	5.80	<=13	Pass



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B66\_10MHz

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	4.72	<=13	Pass
	1745	50	0	4.64	<=13	Pass
	1775	50	0	4.60	<=13	Pass
16QAM	1715	50	0	5.84	<=13	Pass
	1745	50	0	5.68	<=13	Pass
	1775	50	0	5.74	<=13	Pass
64QAM	1715	50	0	5.86	<=13	Pass
	1745	50	0	5.66	<=13	Pass
	1775	50	0	5.74	<=13	Pass

B66\_15MHz

Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.68	<=13	Pass
	1745	75	0	4.52	<=13	Pass
	1772.5	75	0	4.42	<=13	Pass
16QAM	1717.5	75	0	5.74	<=13	Pass
	1745	75	0	5.52	<=13	Pass
	1772.5	75	0	5.48	<=13	Pass
64QAM	1717.5	75	0	5.78	<=13	Pass
	1745	75	0	5.52	<=13	Pass
	1772.5	75	0	5.48	<=13	Pass

B66\_20MHz

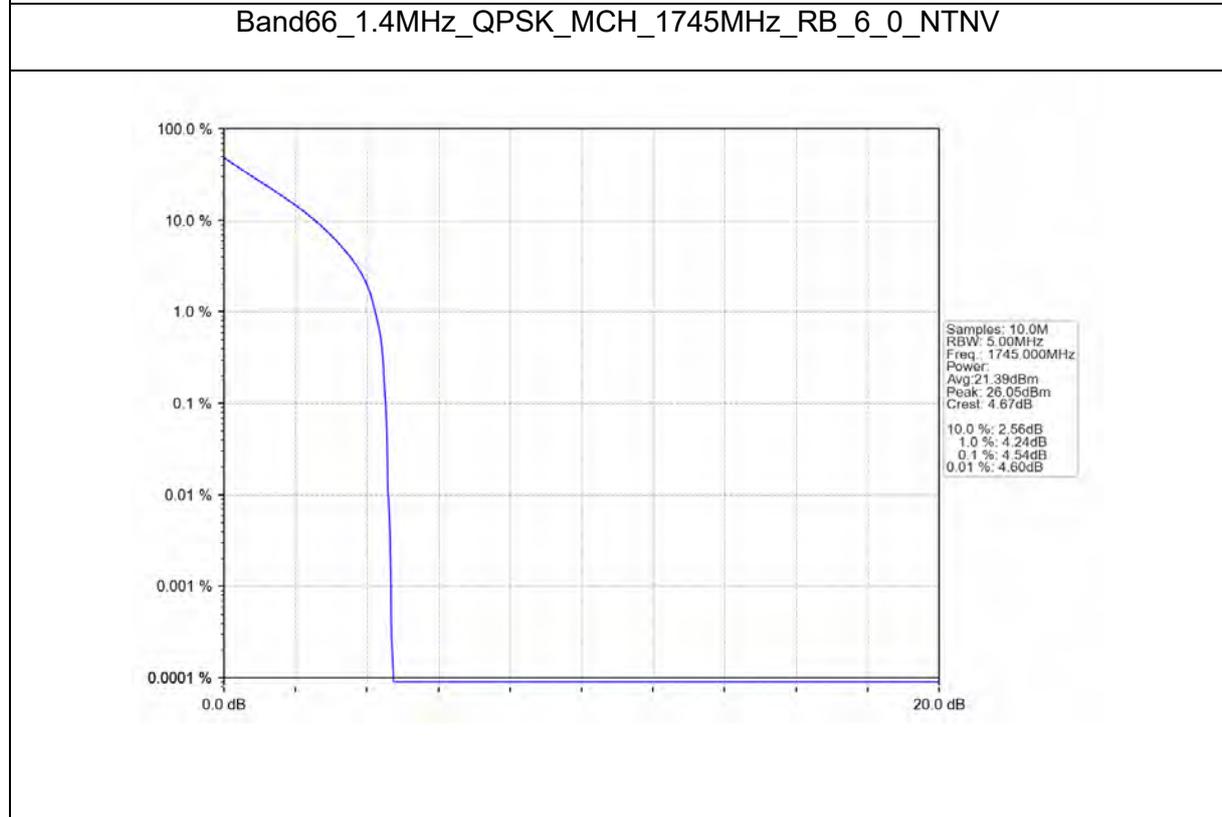
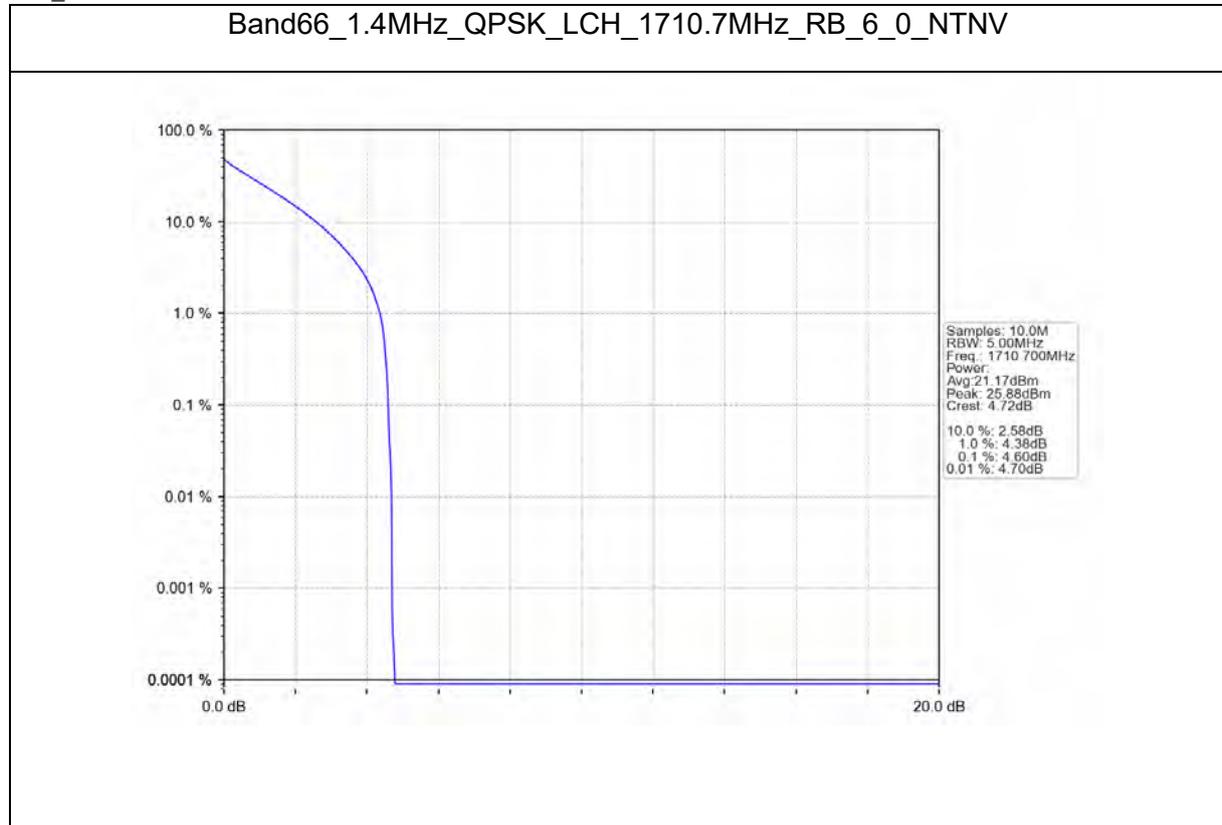
Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	4.78	<=13	Pass
	1745	100	0	4.72	<=13	Pass
	1770	100	0	4.58	<=13	Pass
16QAM	1720	100	0	5.90	<=13	Pass
	1745	100	0	5.72	<=13	Pass
	1770	100	0	5.64	<=13	Pass
64QAM	1720	100	0	5.92	<=13	Pass
	1745	100	0	5.74	<=13	Pass
	1770	100	0	5.66	<=13	Pass



Test Report No.: PSU-NQN2504150110RF03

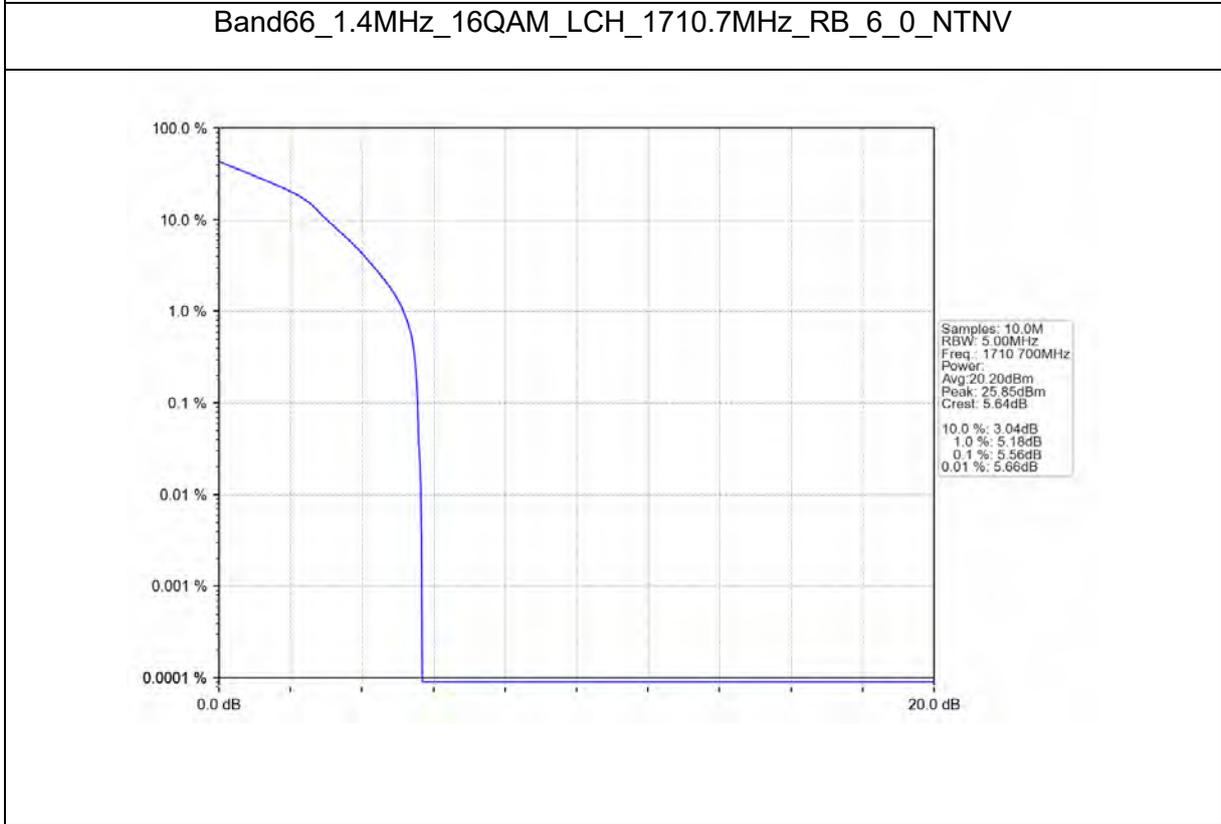
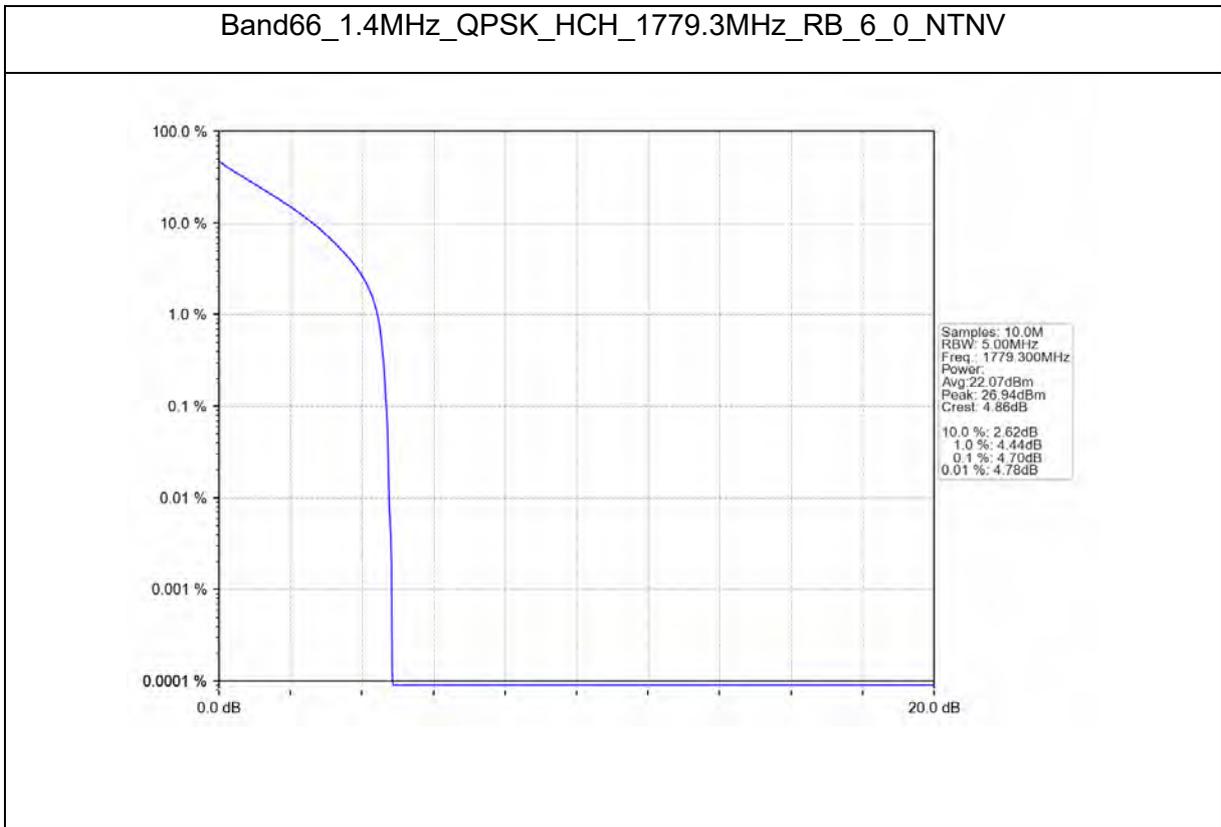
### Test Graphs

B66\_1.4MHz

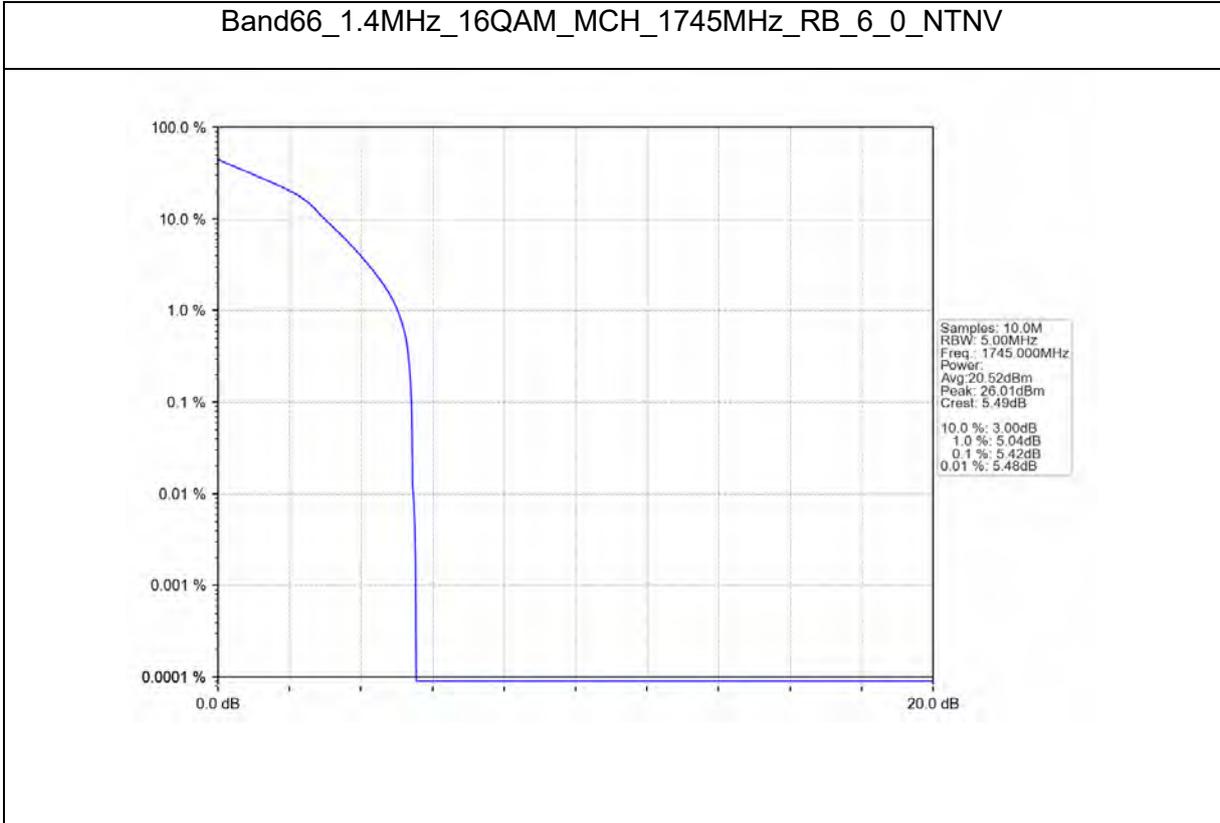




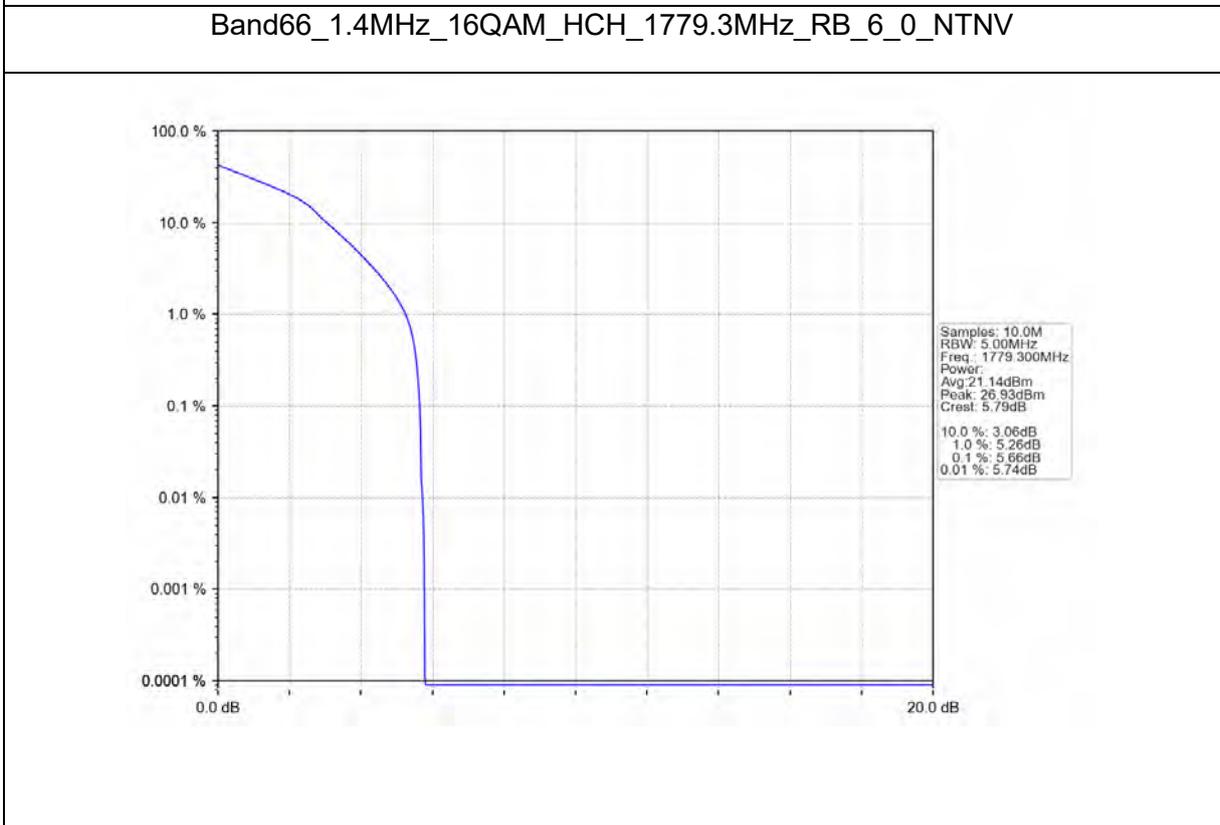
Test Report No.: PSU-NQN2504150110RF03



Band66\_1.4MHz\_16QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV

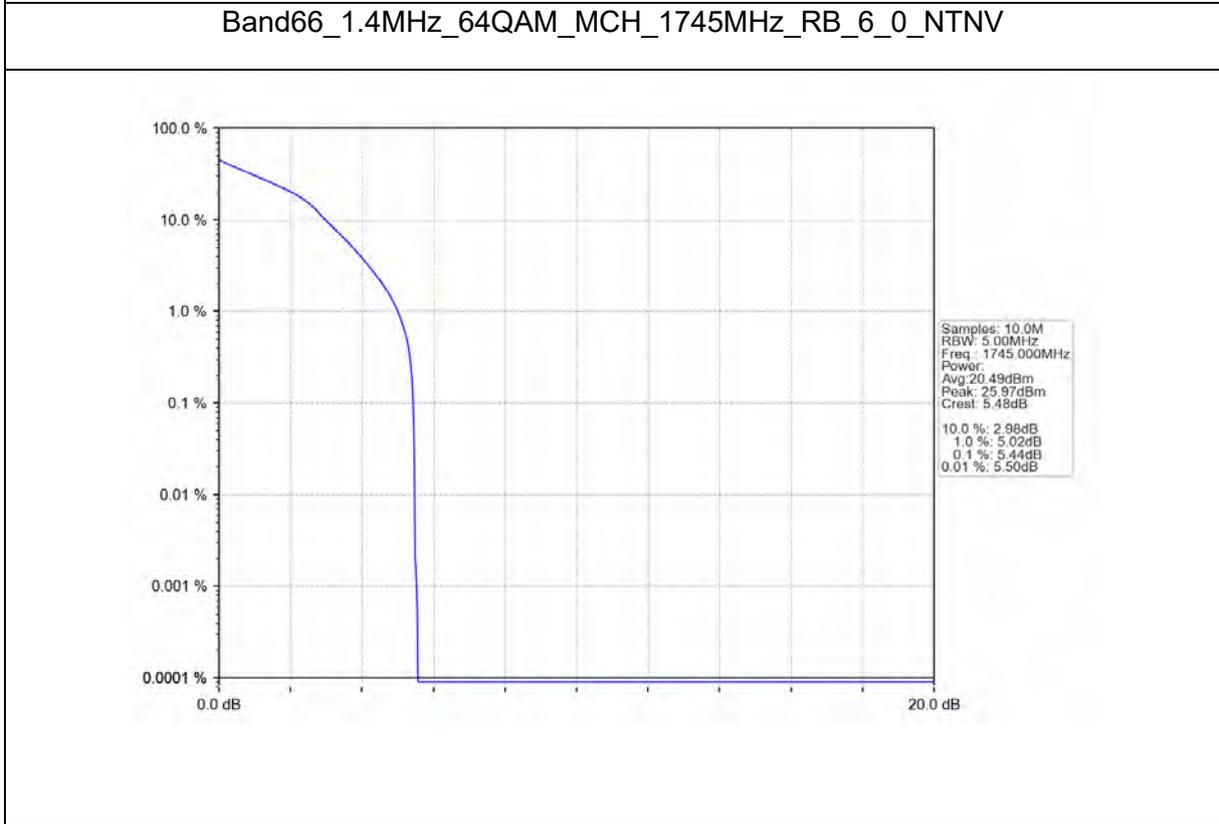
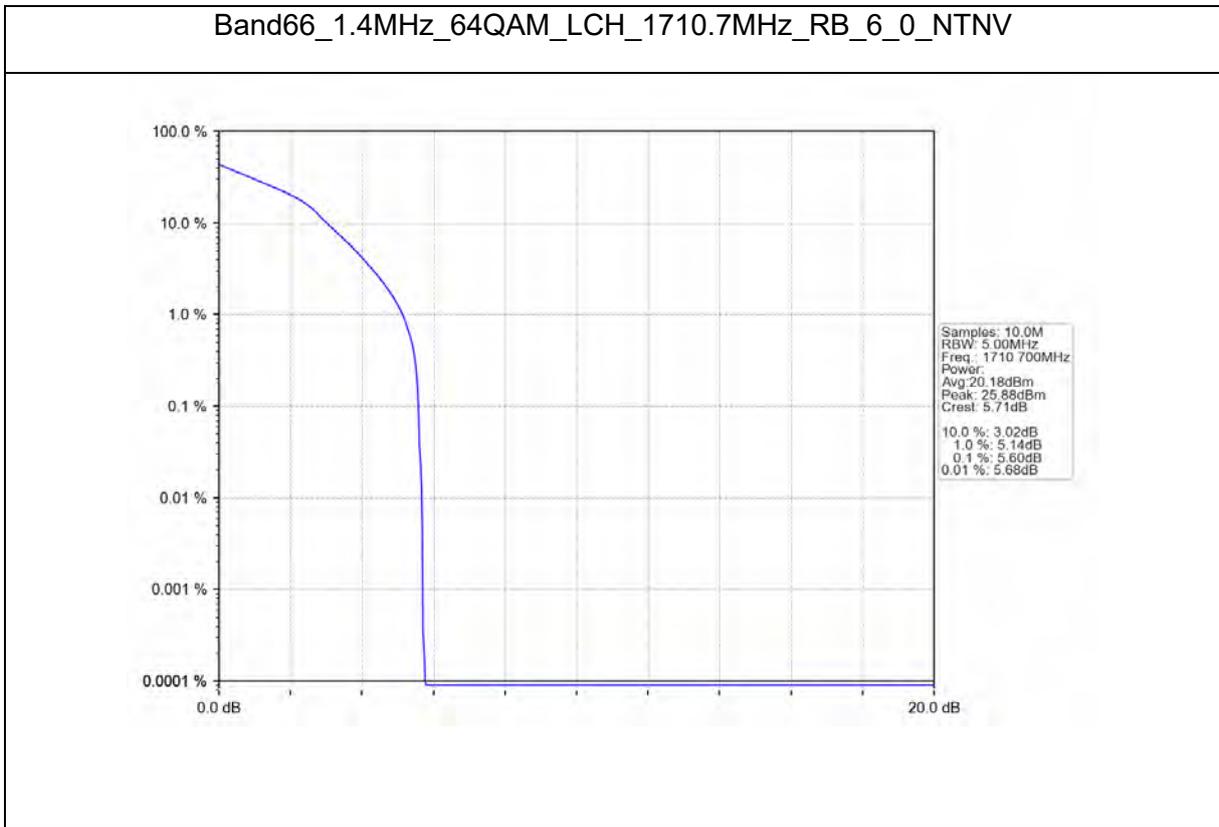


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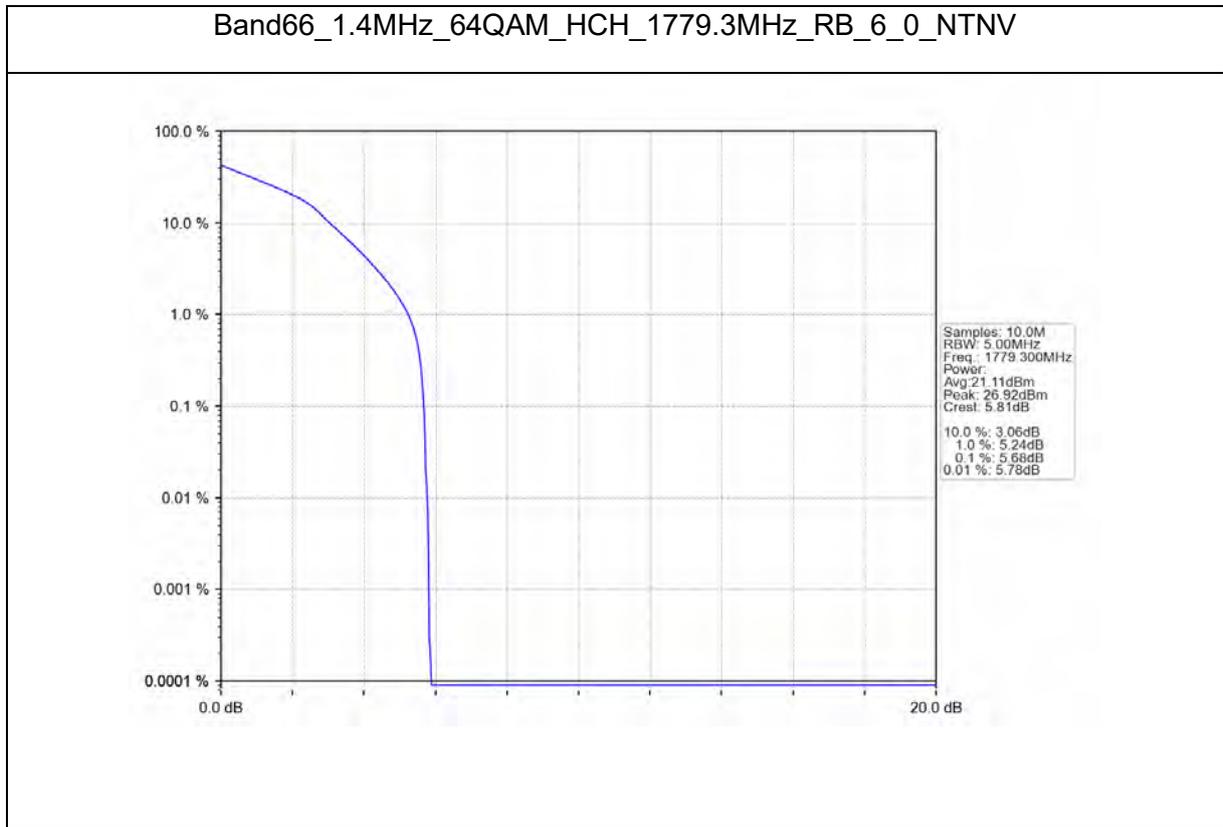


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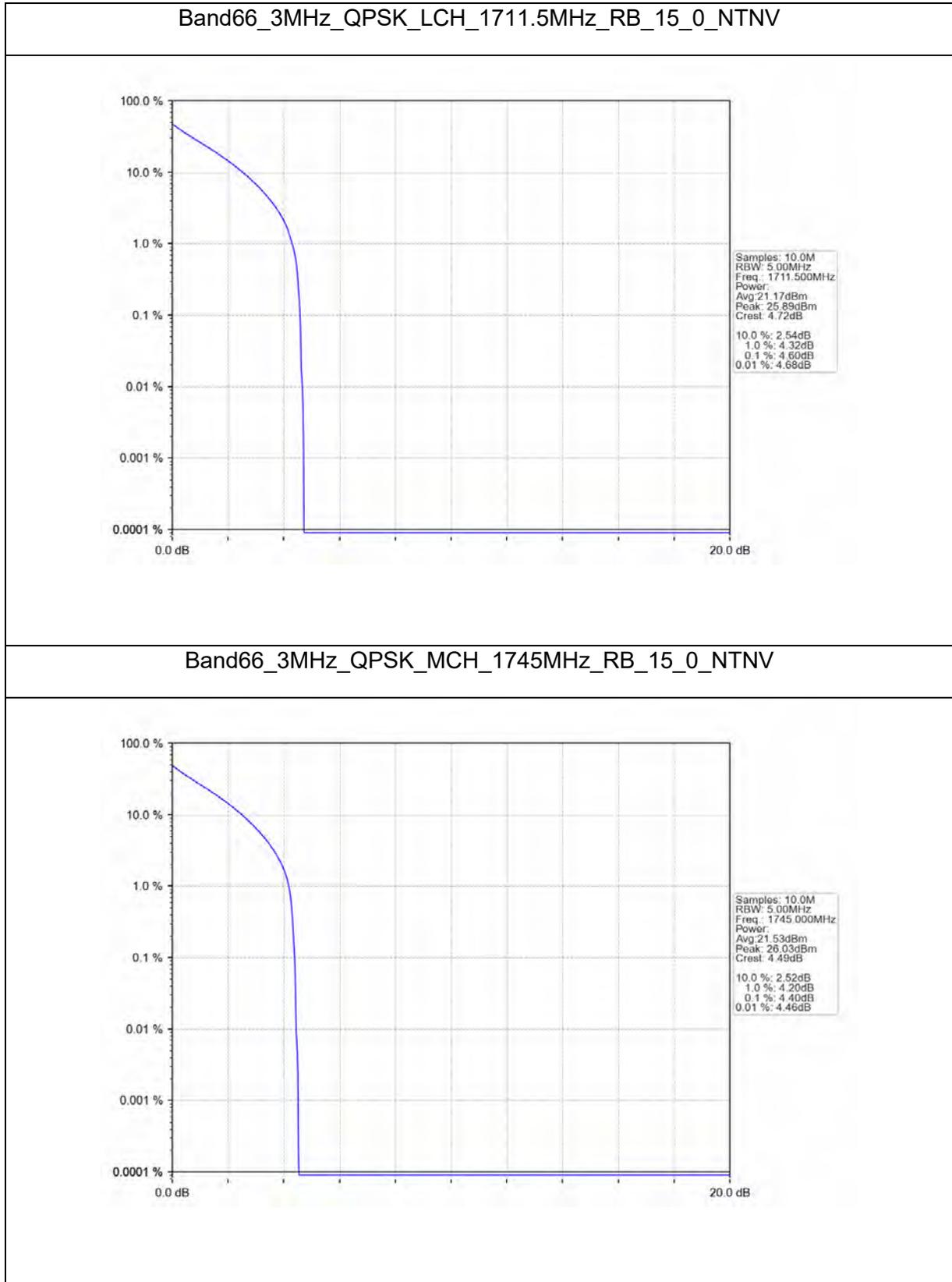




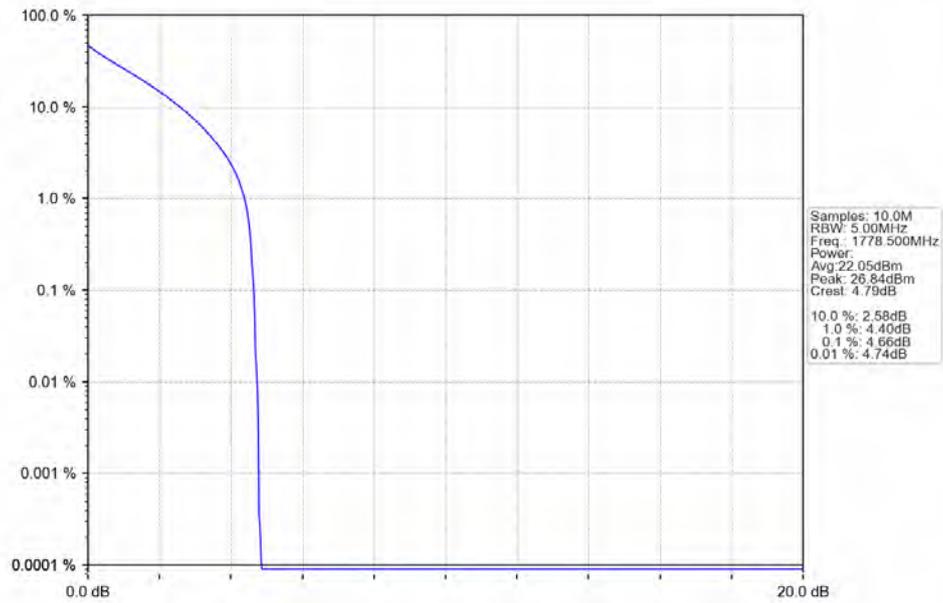
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Test Report No.: PSU-NQN2504150110RF03

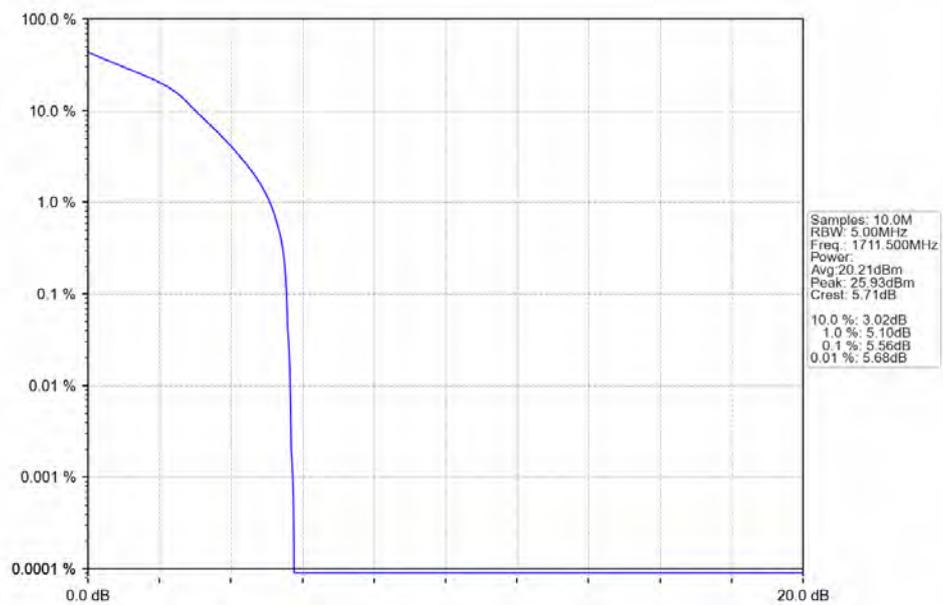
B66\_3MHz



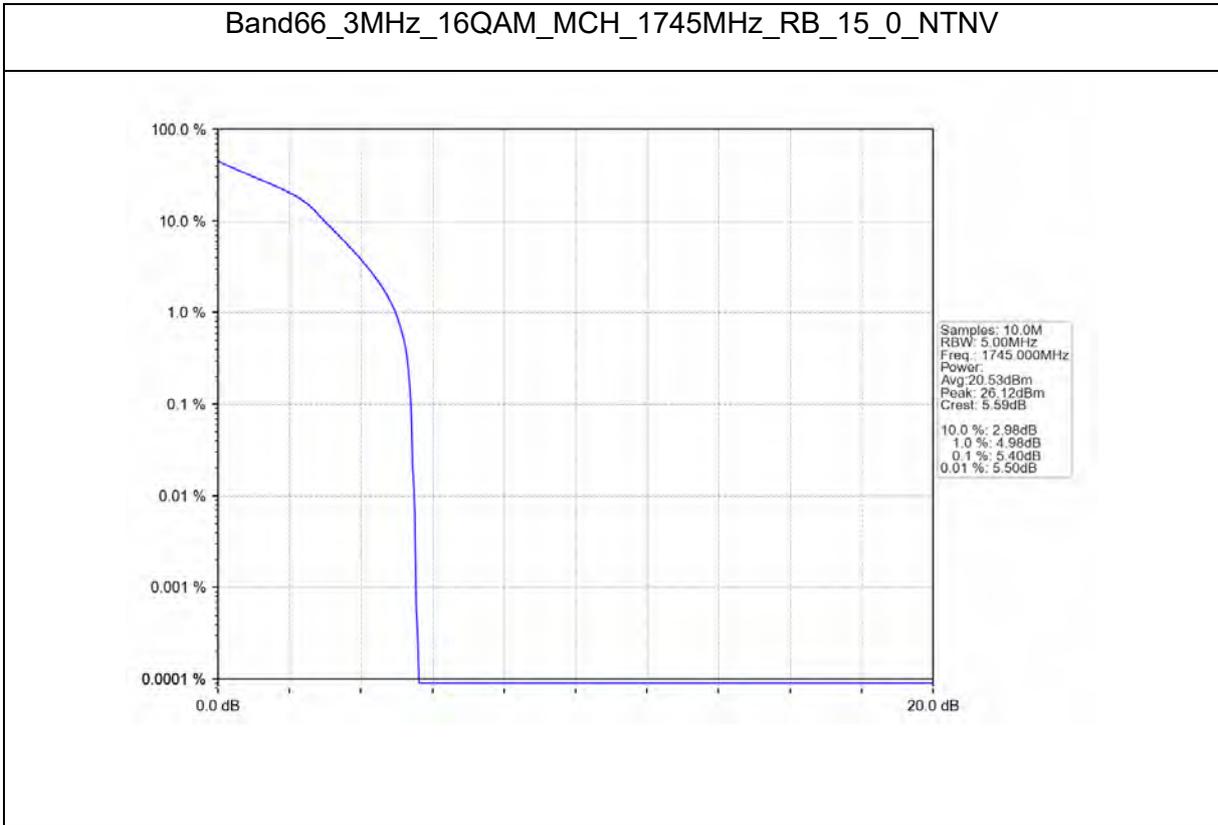
Band66\_3MHz\_QPSK\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



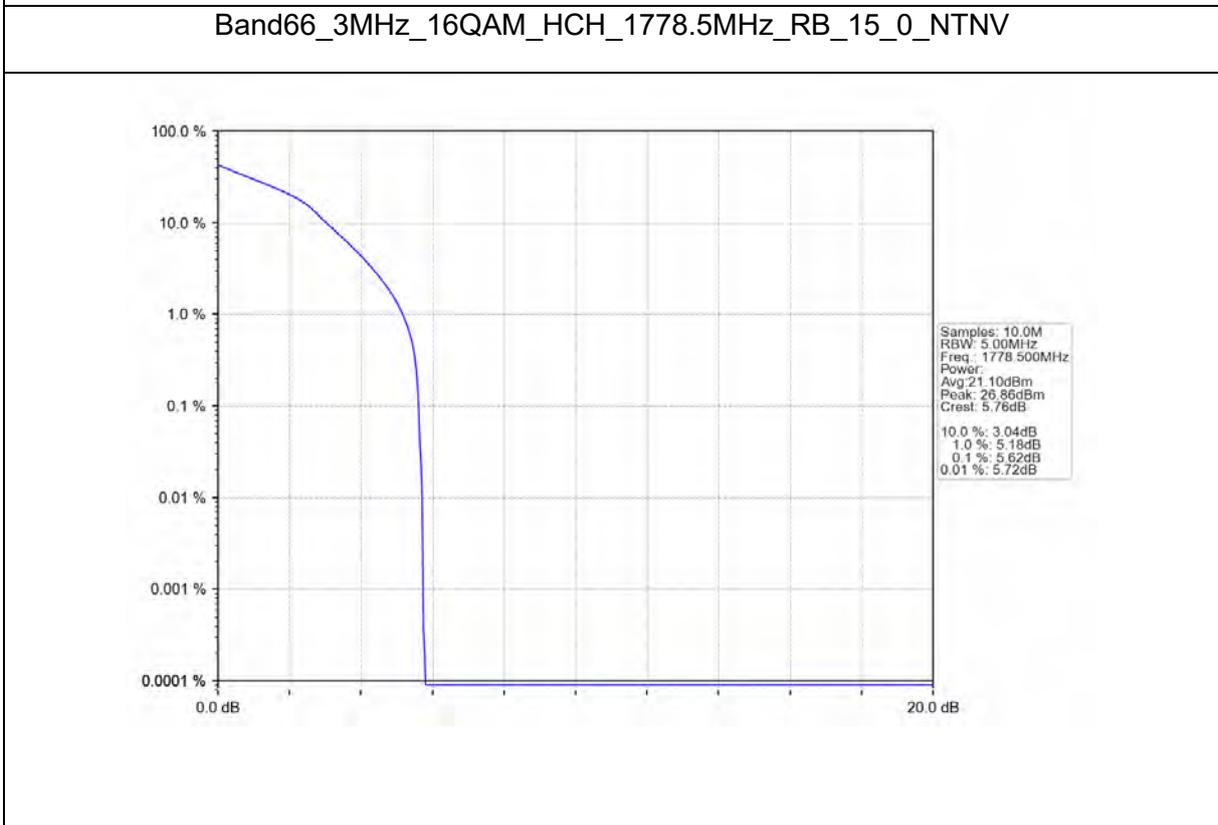
Band66\_3MHz\_16QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV



Band66\_3MHz\_16QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV



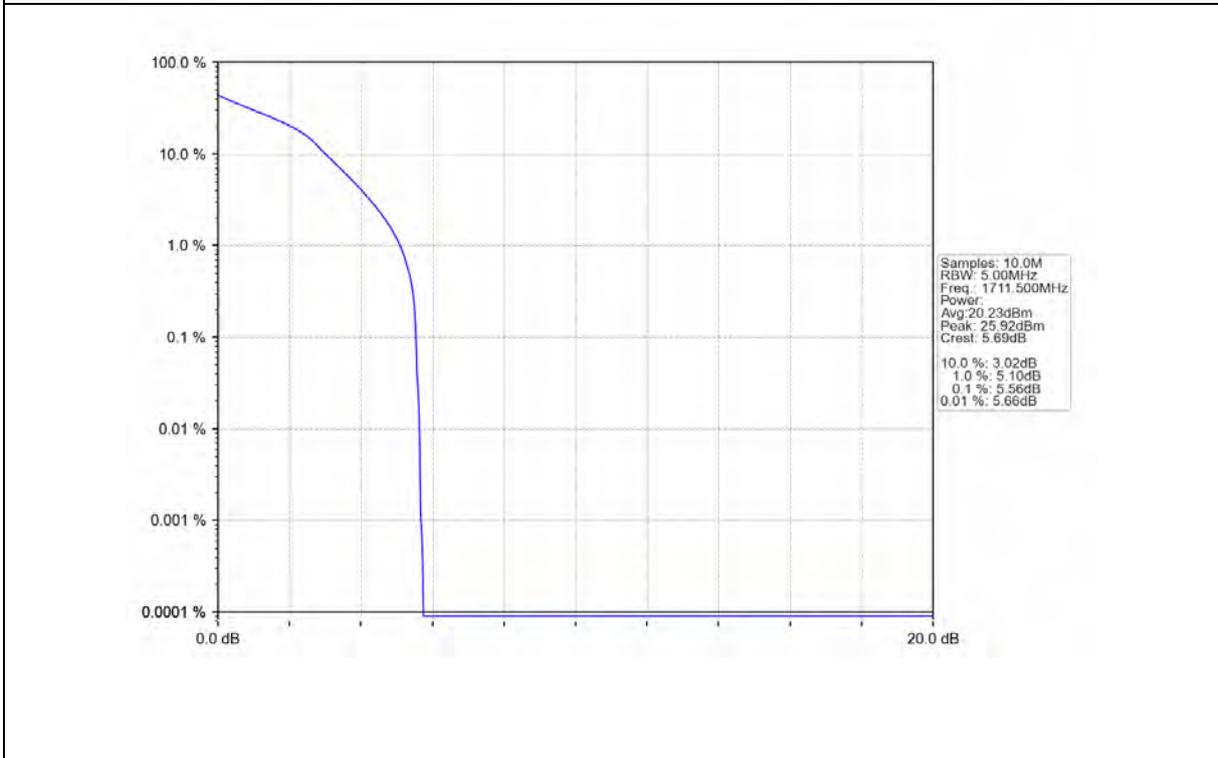
Band66\_3MHz\_16QAM\_HCH\_1778.5MHz\_RB\_15\_0\_NTNV



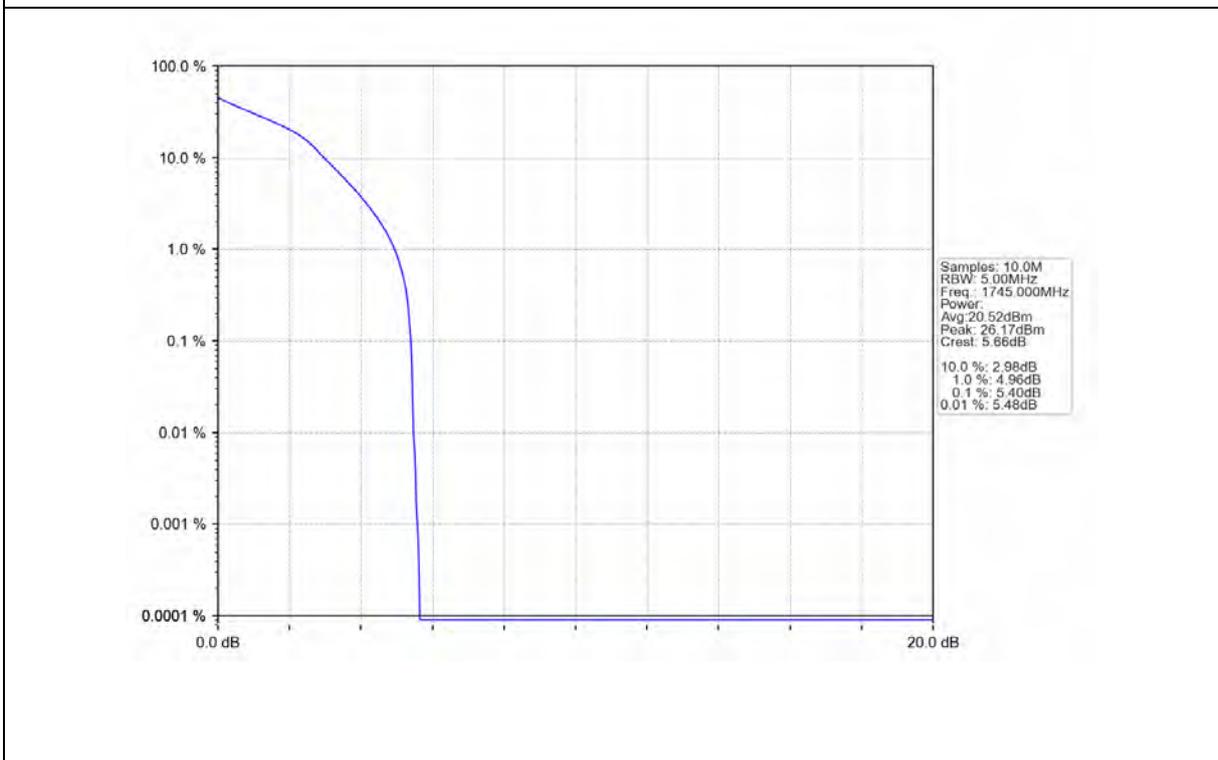


Test Report No.: PSU-NQN2504150110RF03

Band66\_3MHz\_64QAM\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

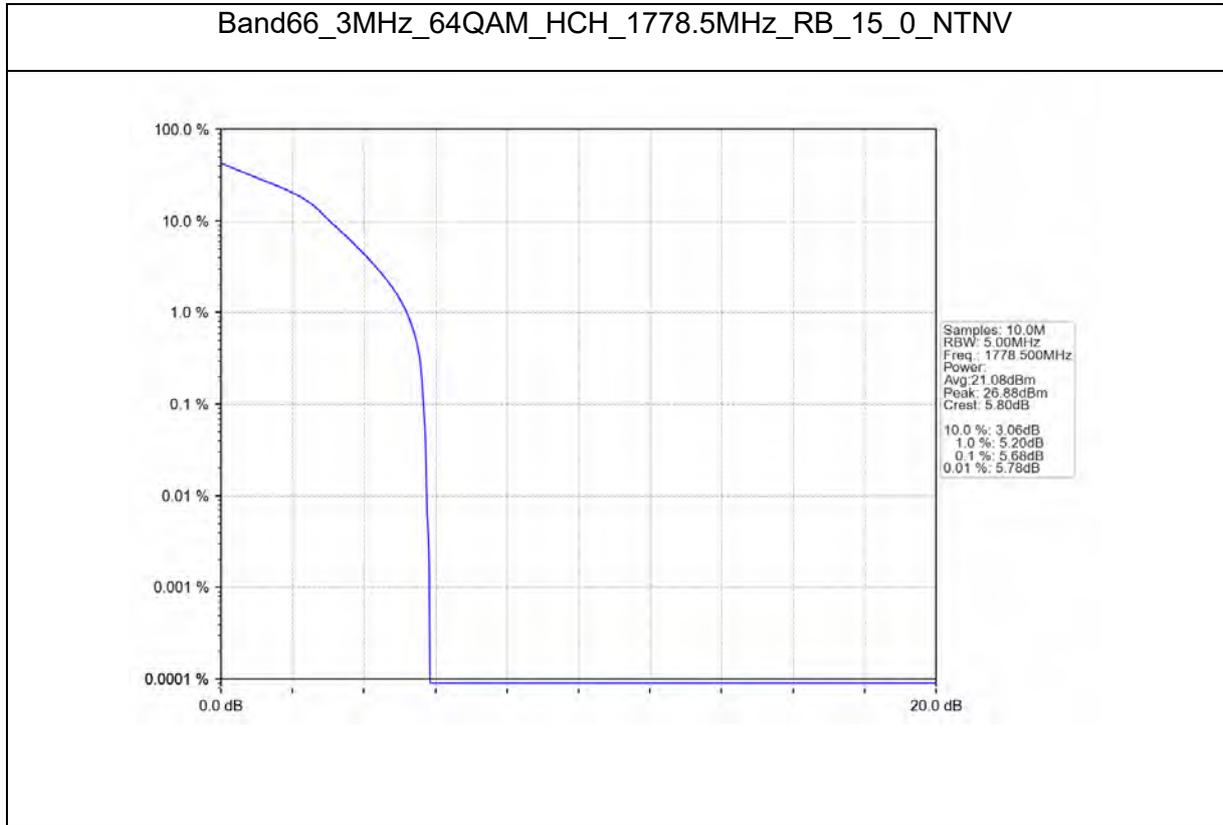


Band66\_3MHz\_64QAM\_MCH\_1745MHz\_RB\_15\_0\_NTNV

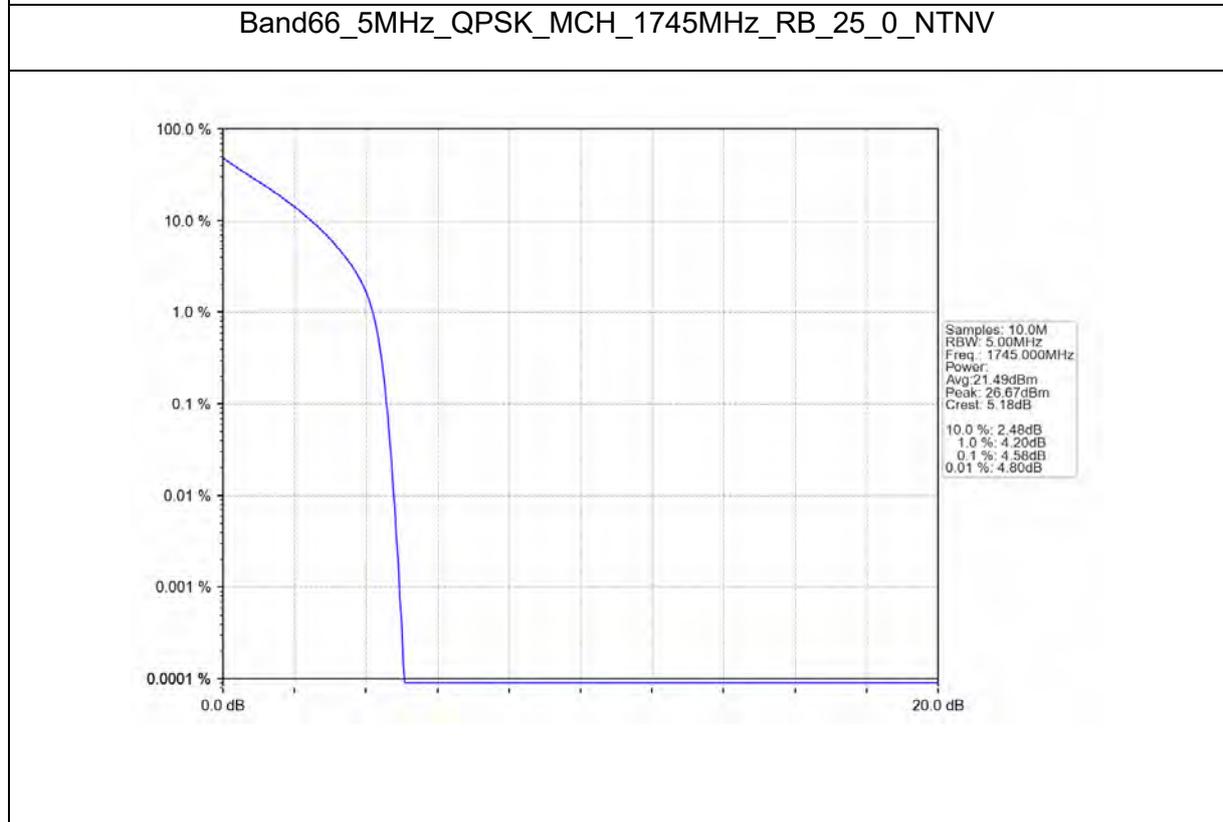
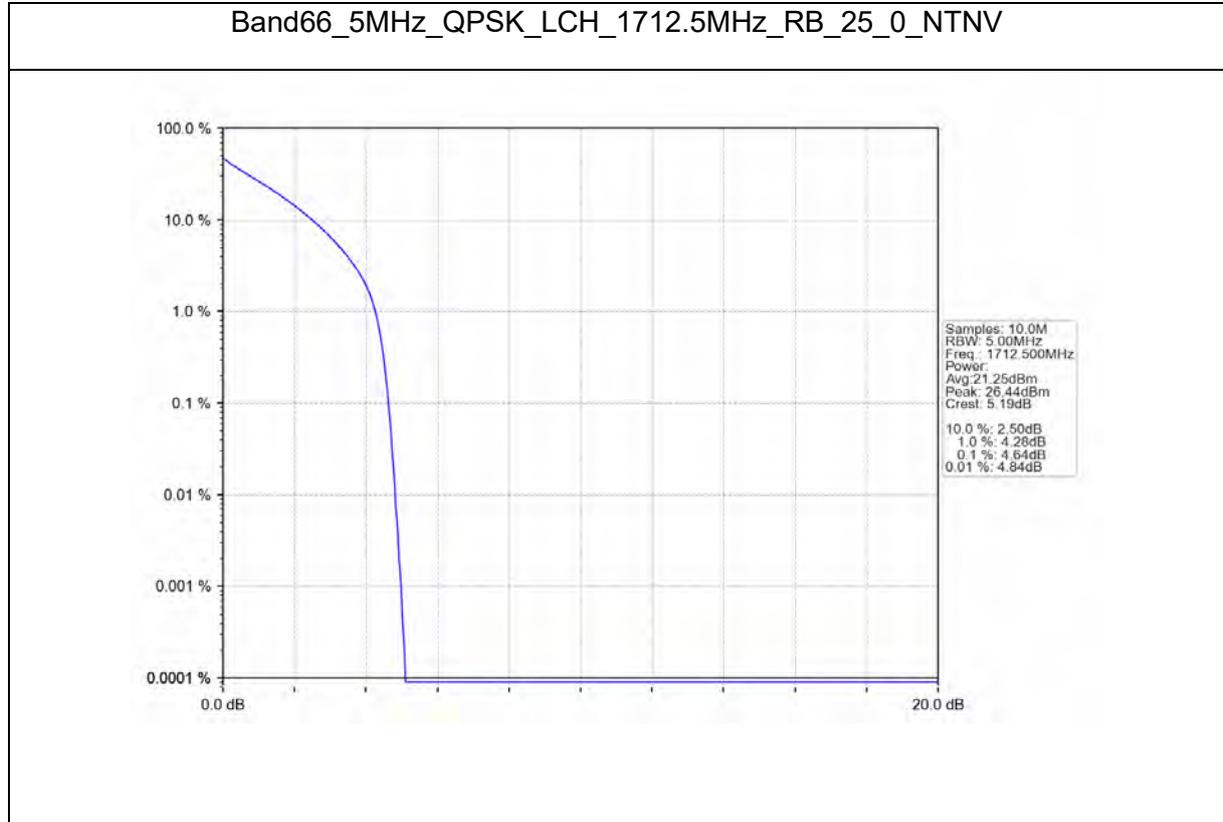




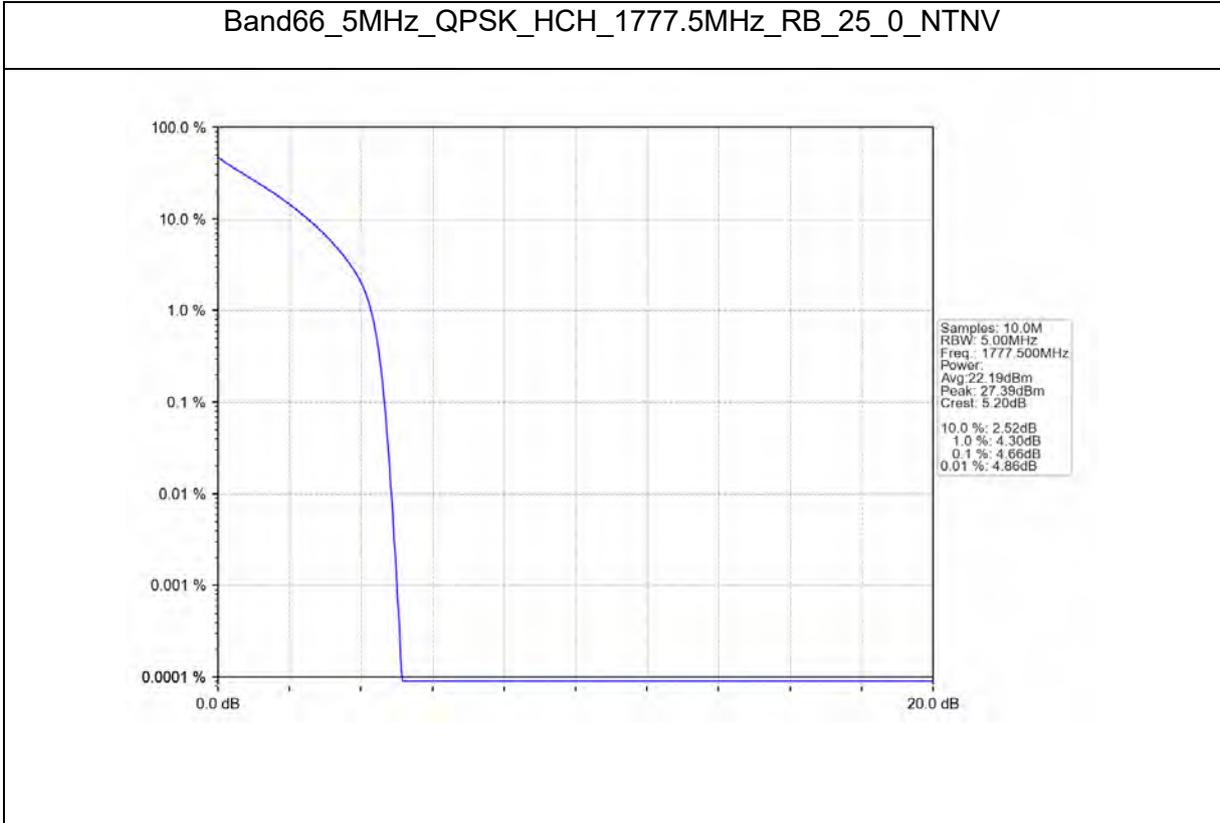
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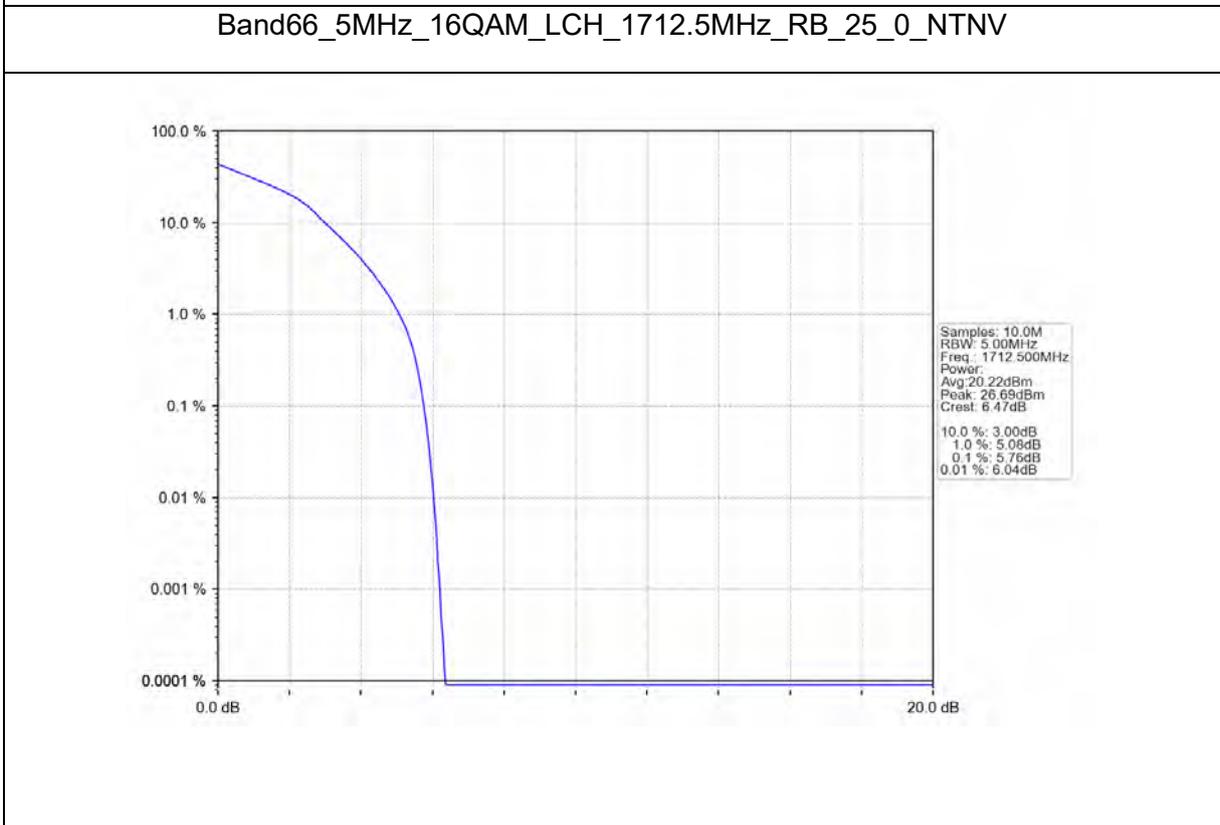
B66\_5MHz



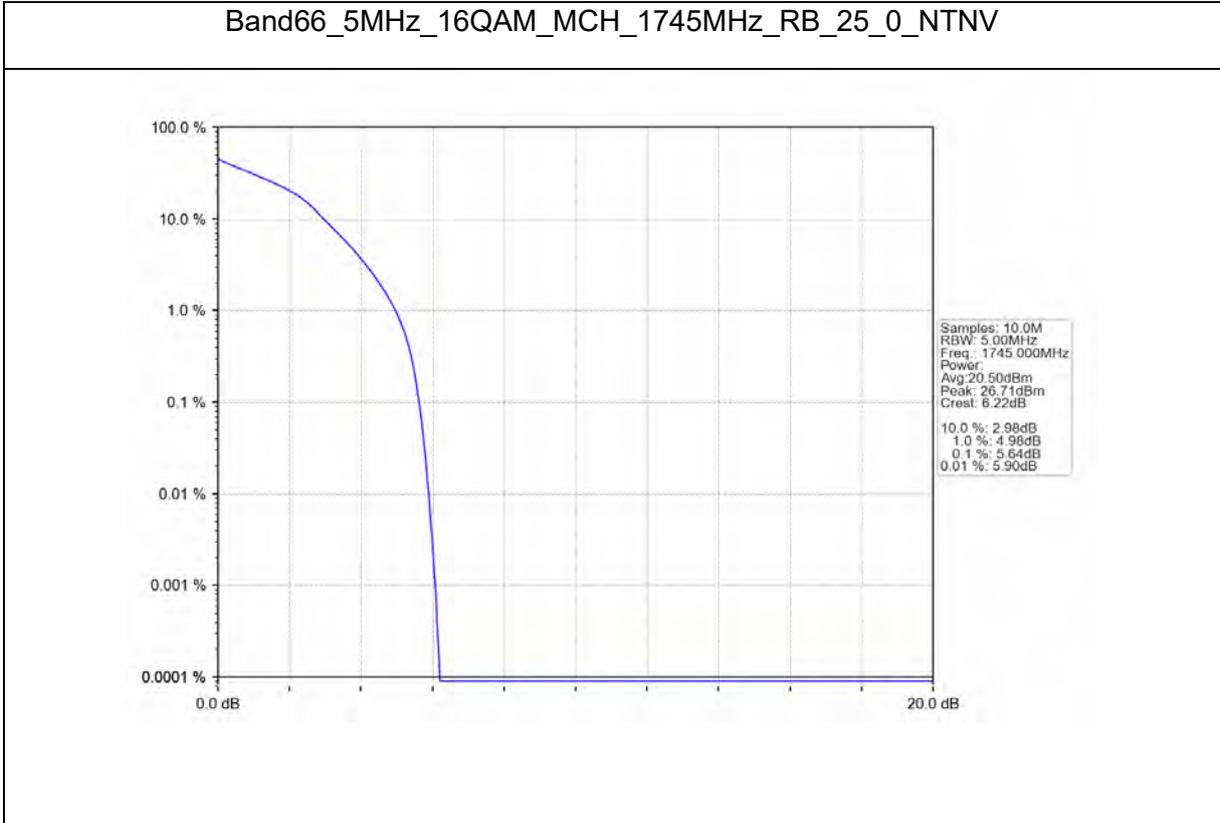
Band66\_5MHz\_QPSK\_HCH\_1777.5MHz\_RB\_25\_0\_NTNV



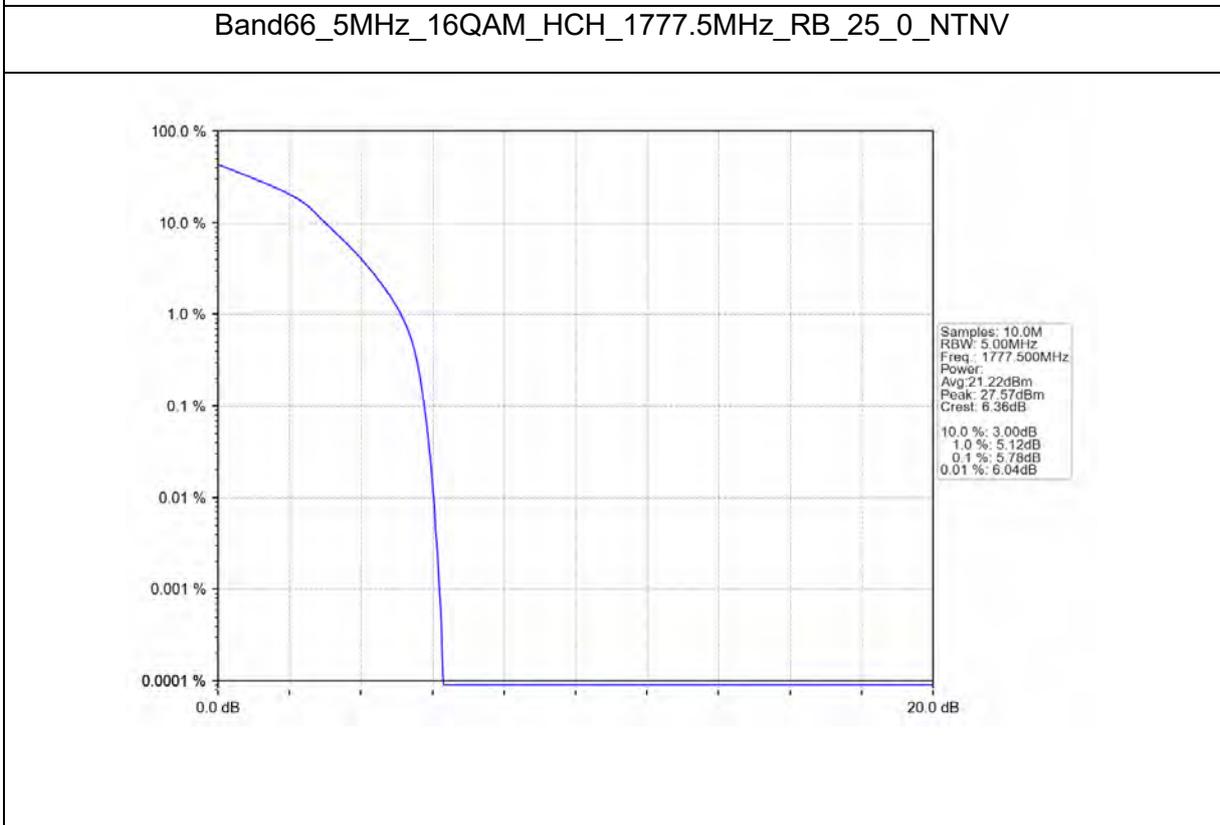
Band66\_5MHz\_16QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV



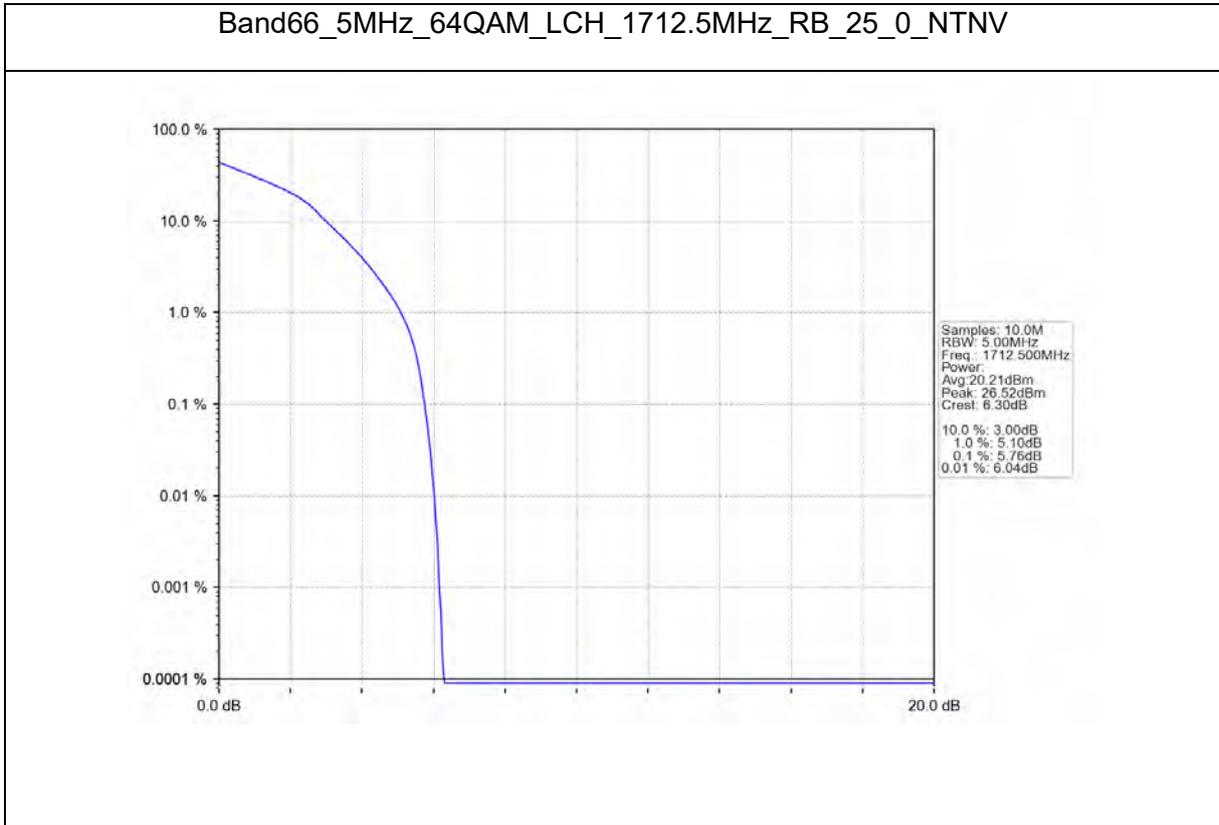
Band66\_5MHz\_16QAM\_MCH\_1745MHz\_RB\_25\_0\_NTNV



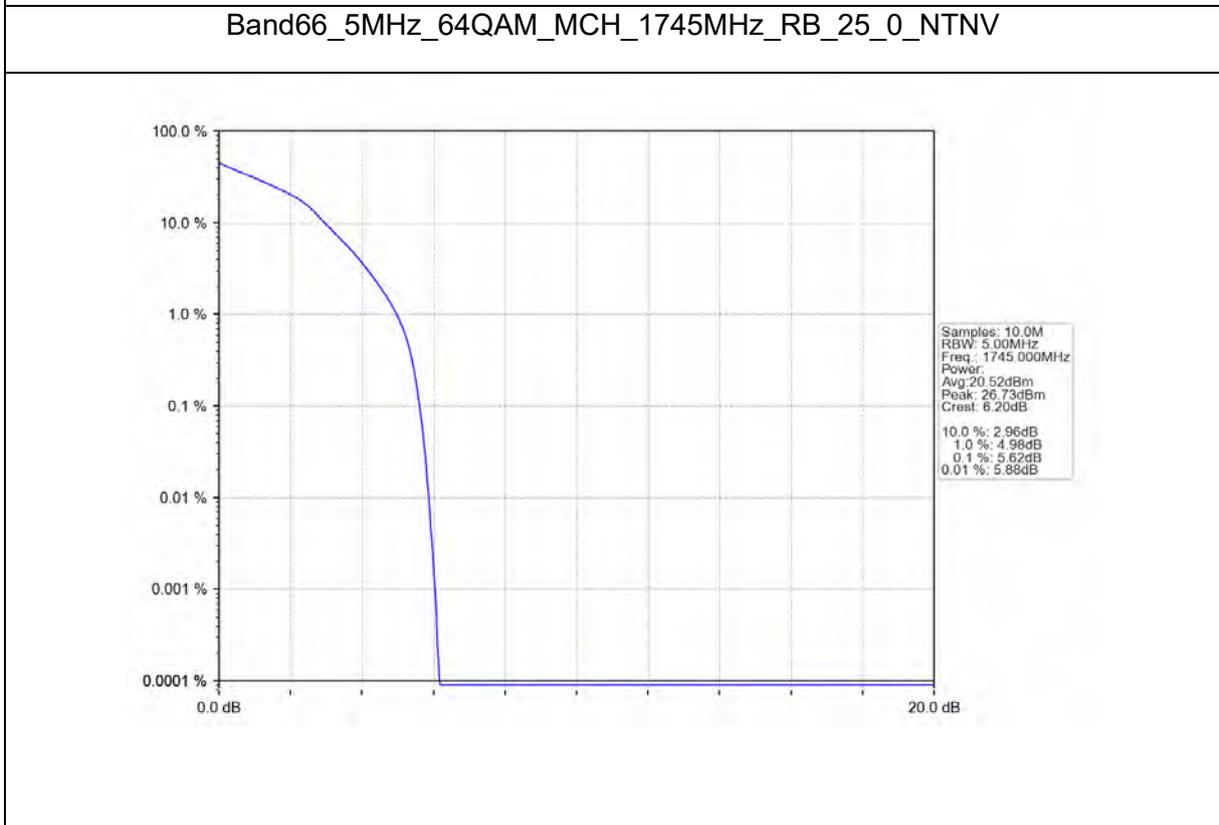
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Band66\_5MHz\_64QAM\_LCH\_1712.5MHz\_RB\_25\_0\_NTNV

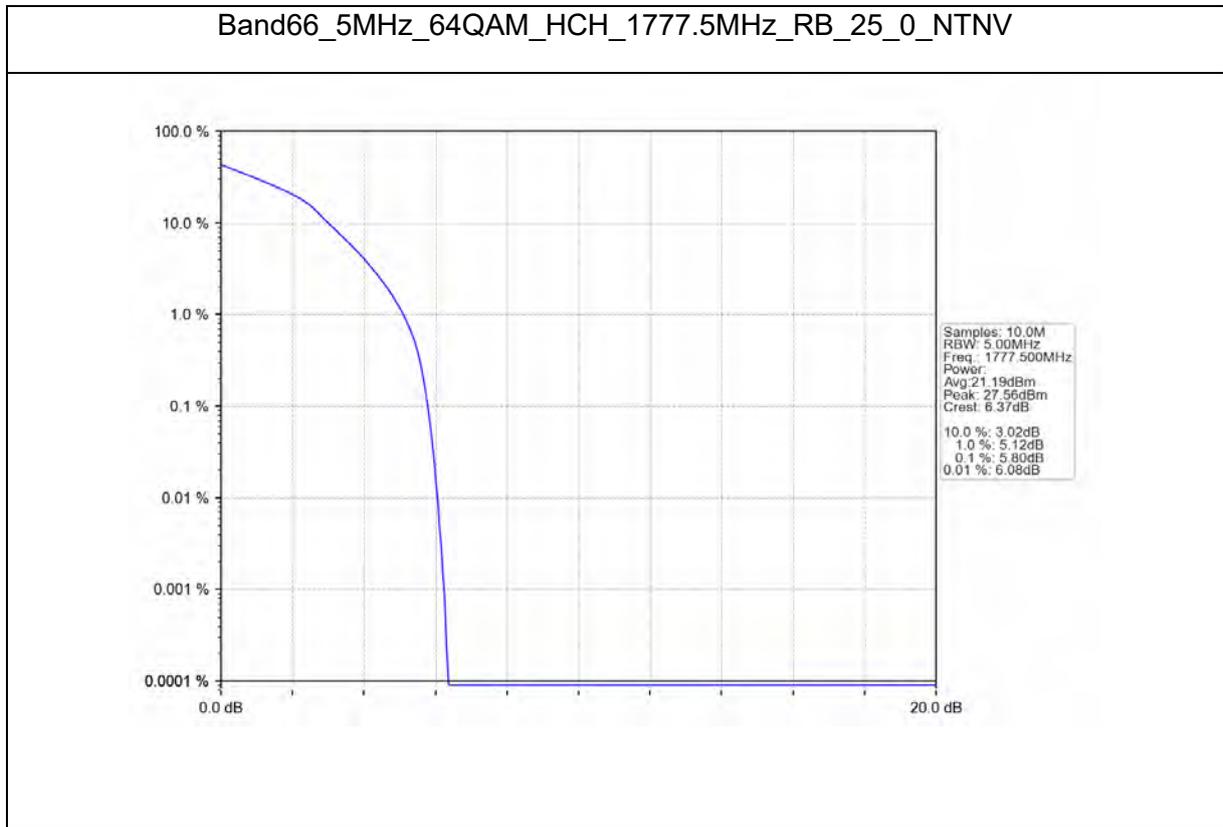


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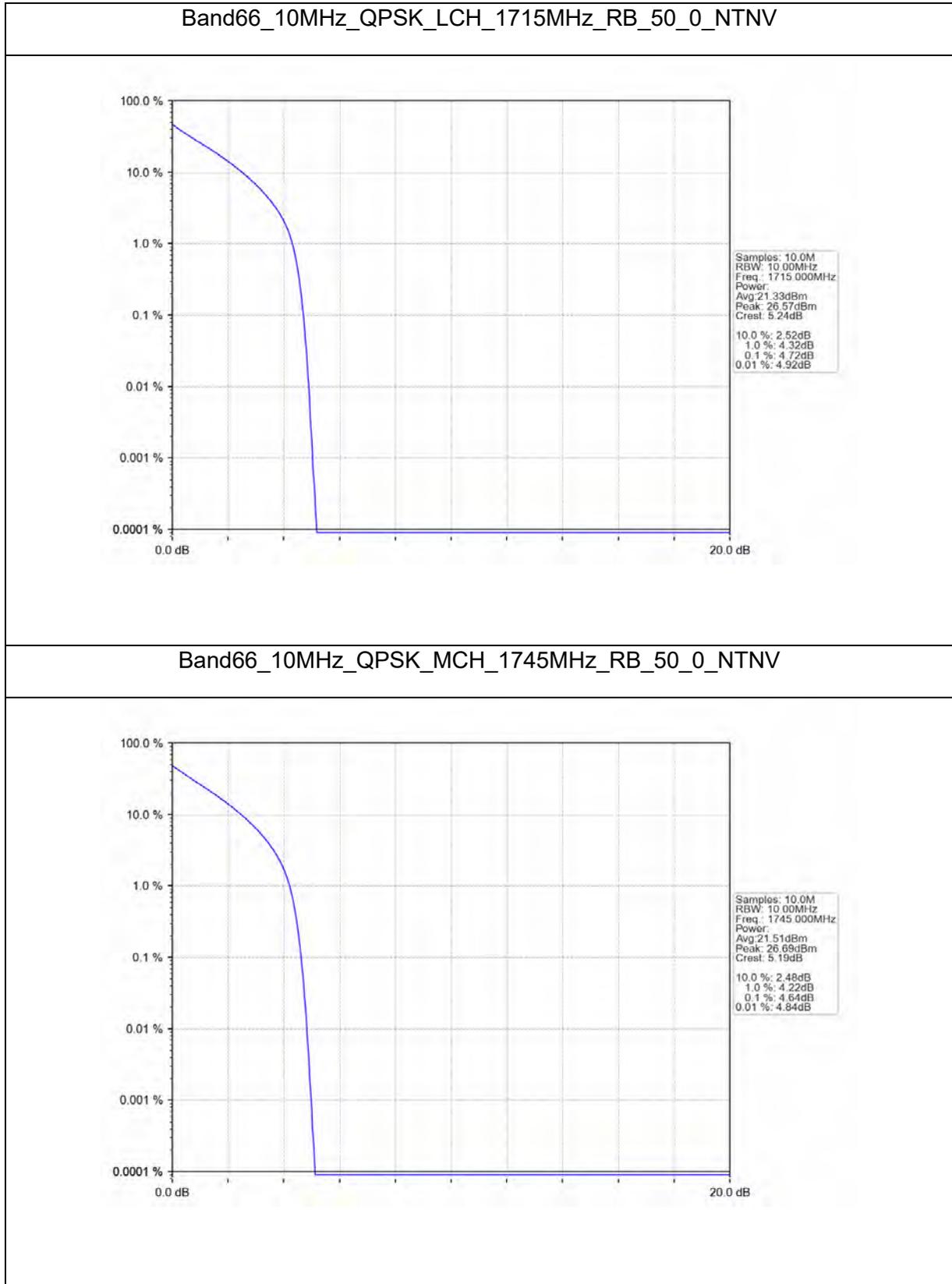




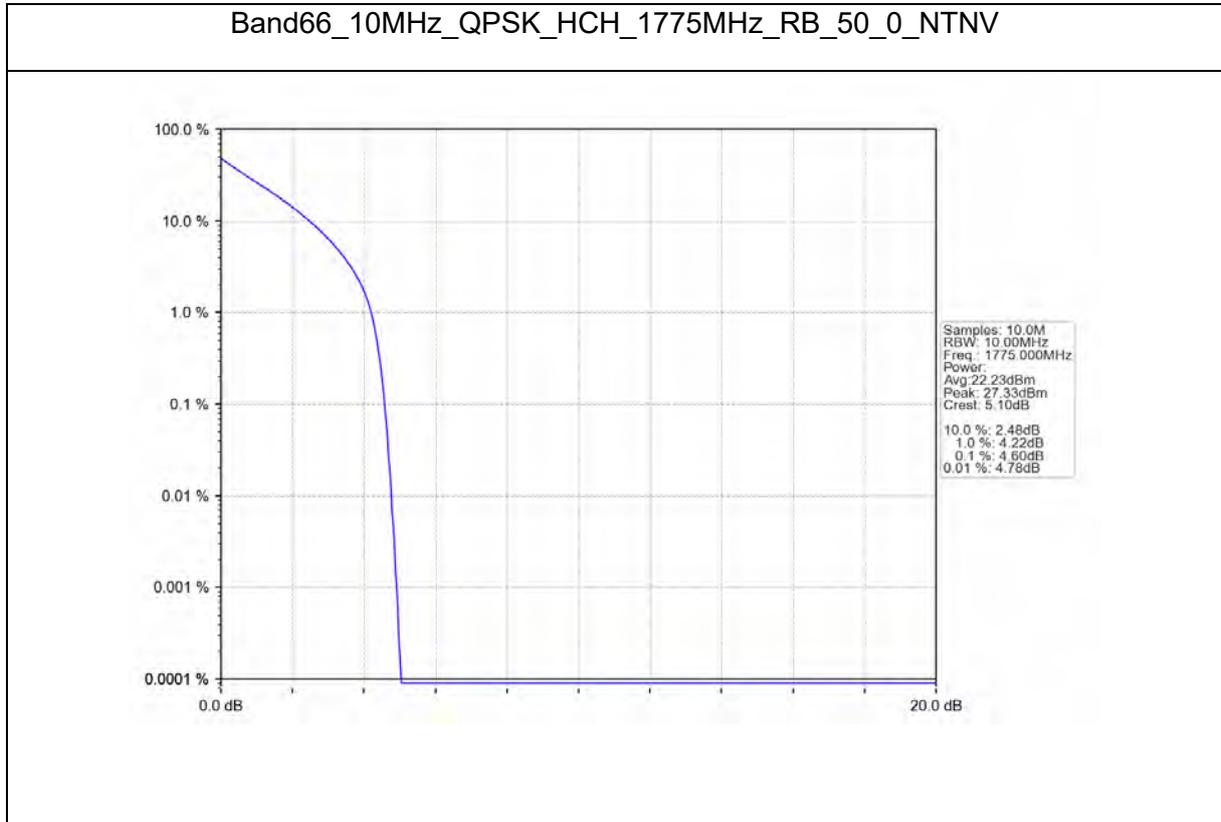
BUREAU  
VERITAS

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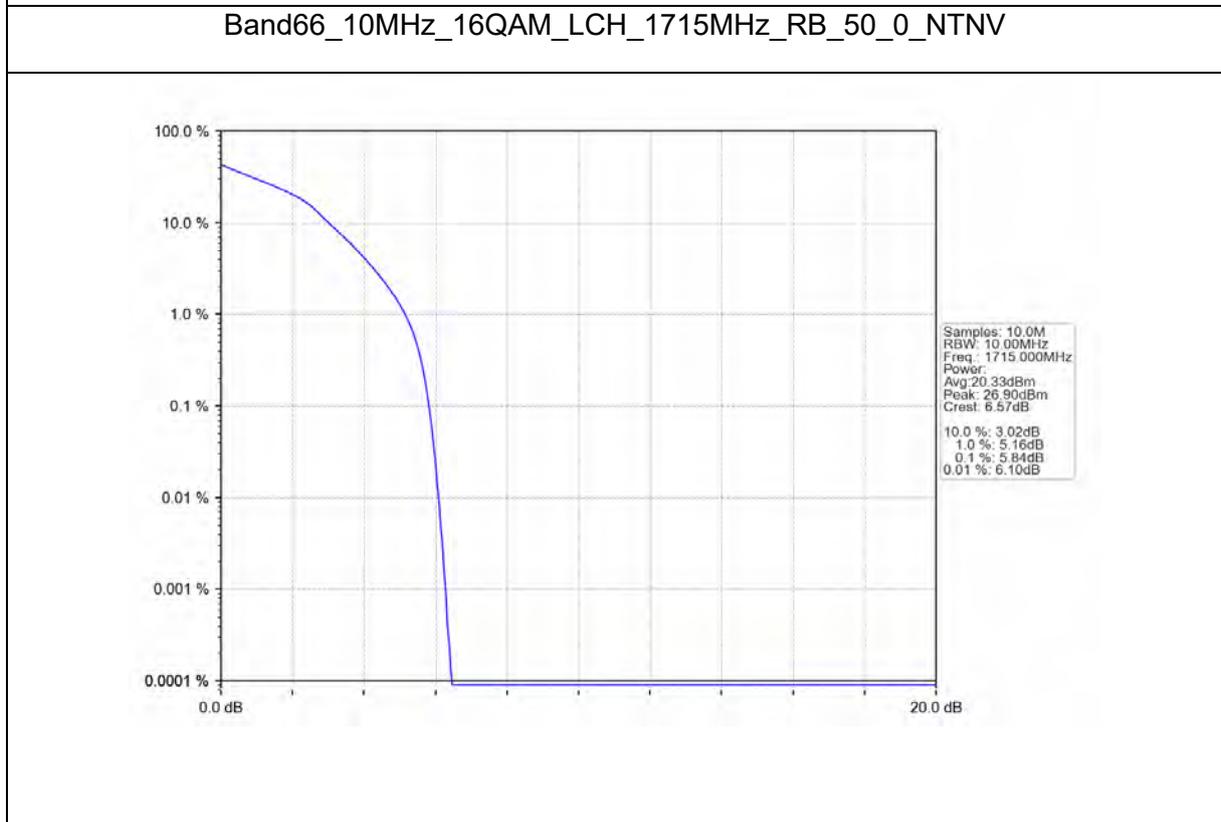
B66\_10MHz



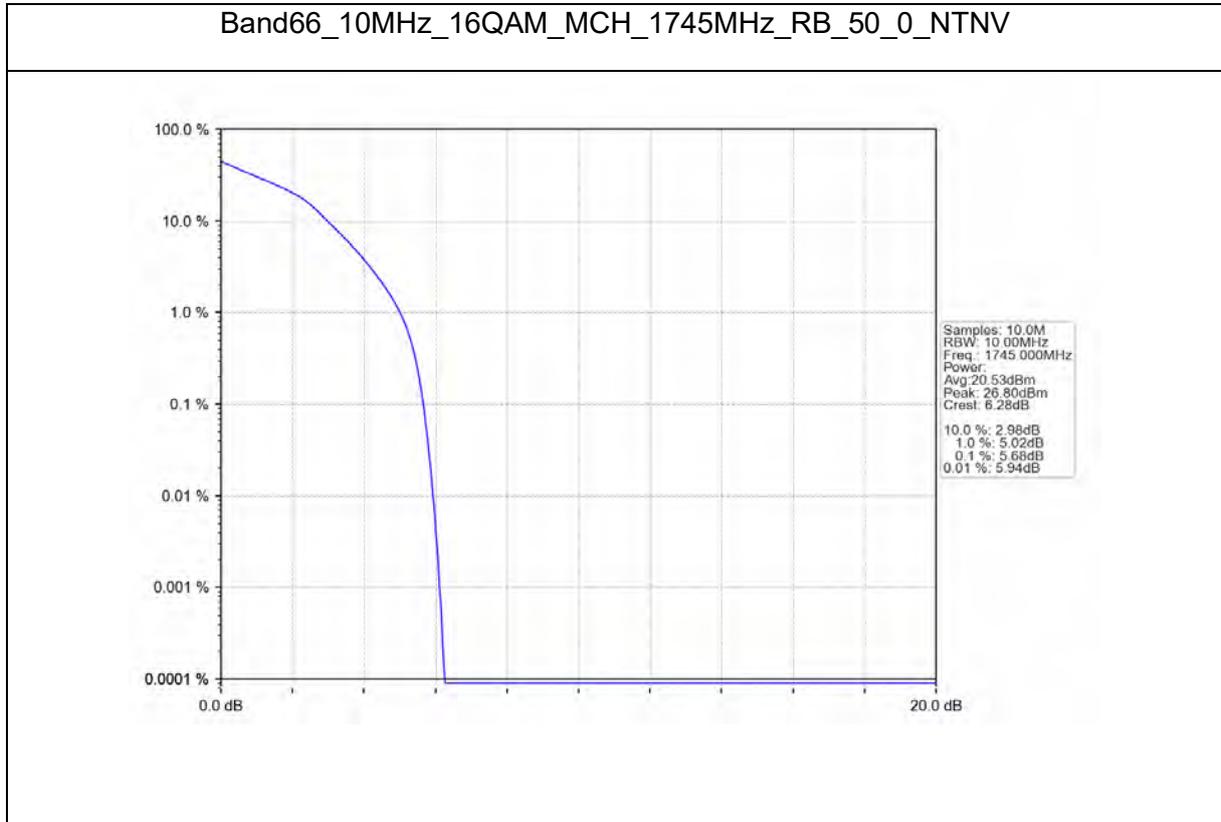
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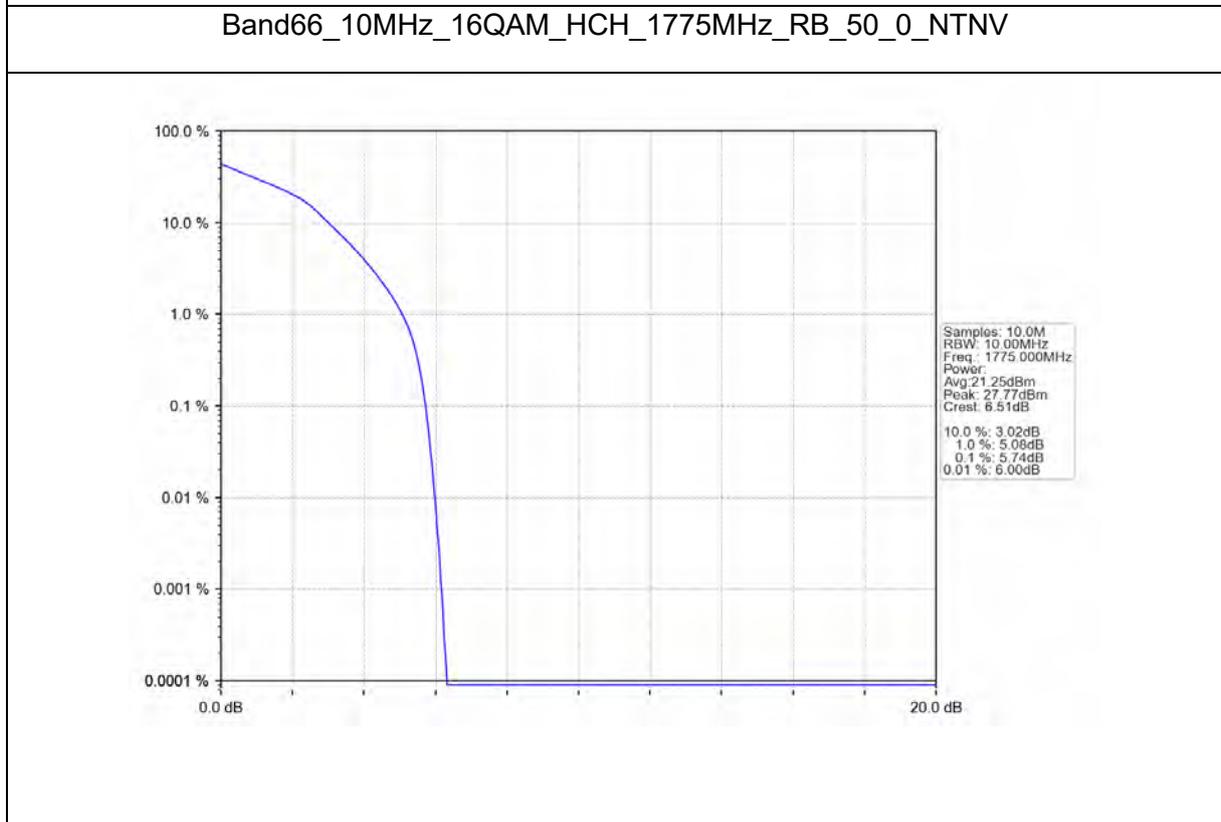
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Band66\_10MHz\_16QAM\_MCH\_1745MHz\_RB\_50\_0\_NTNV

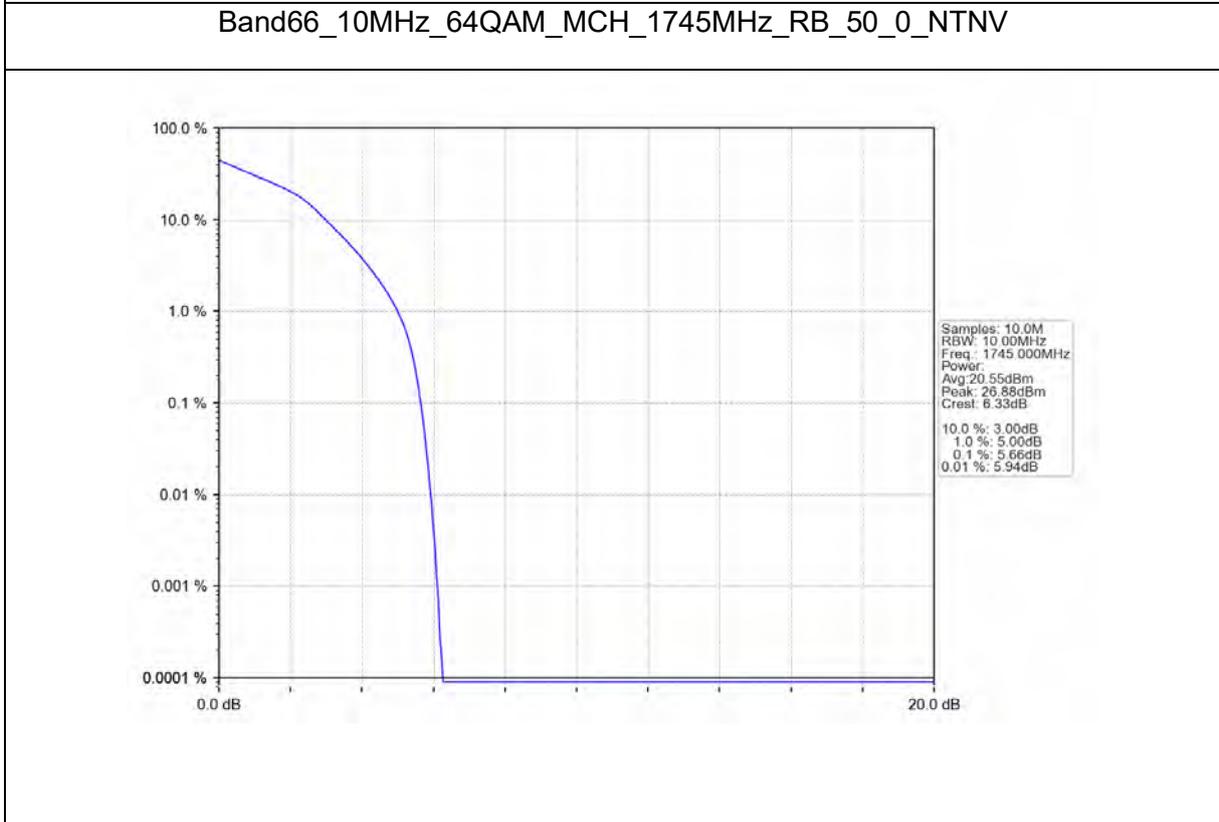
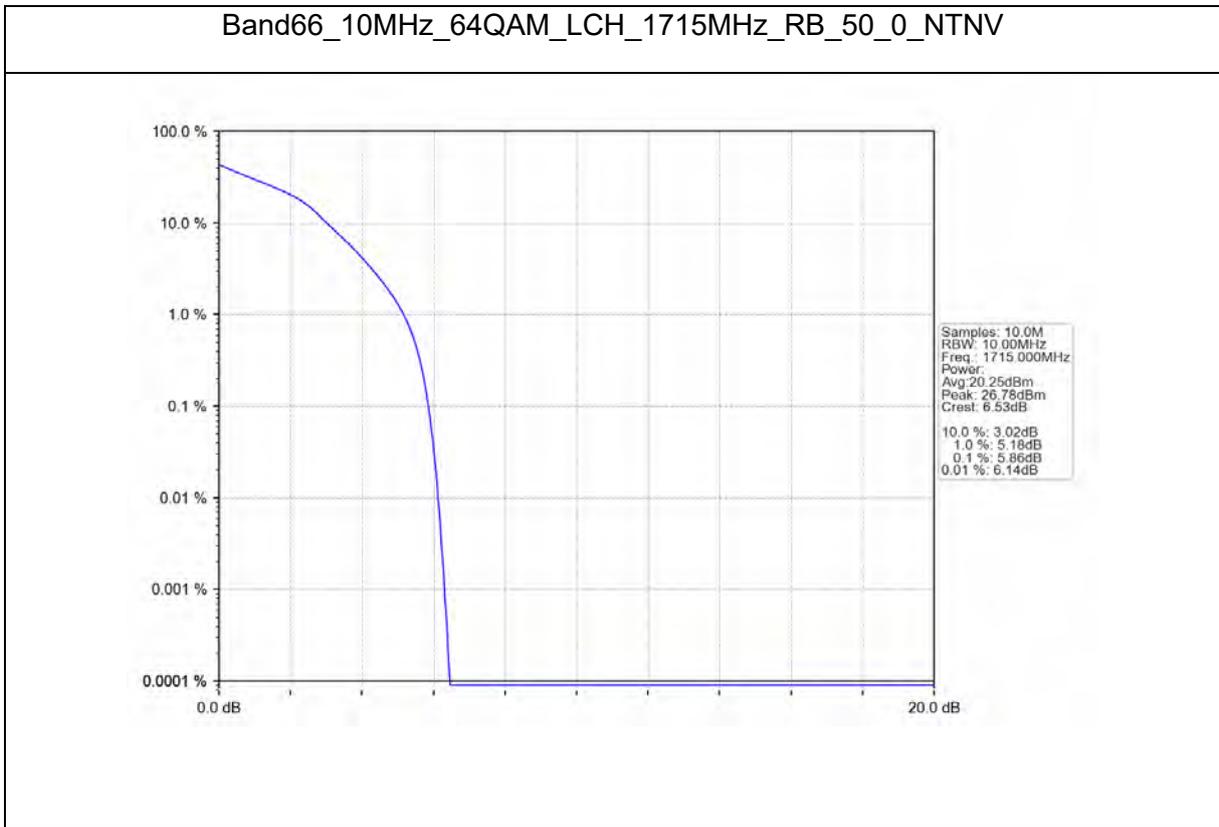


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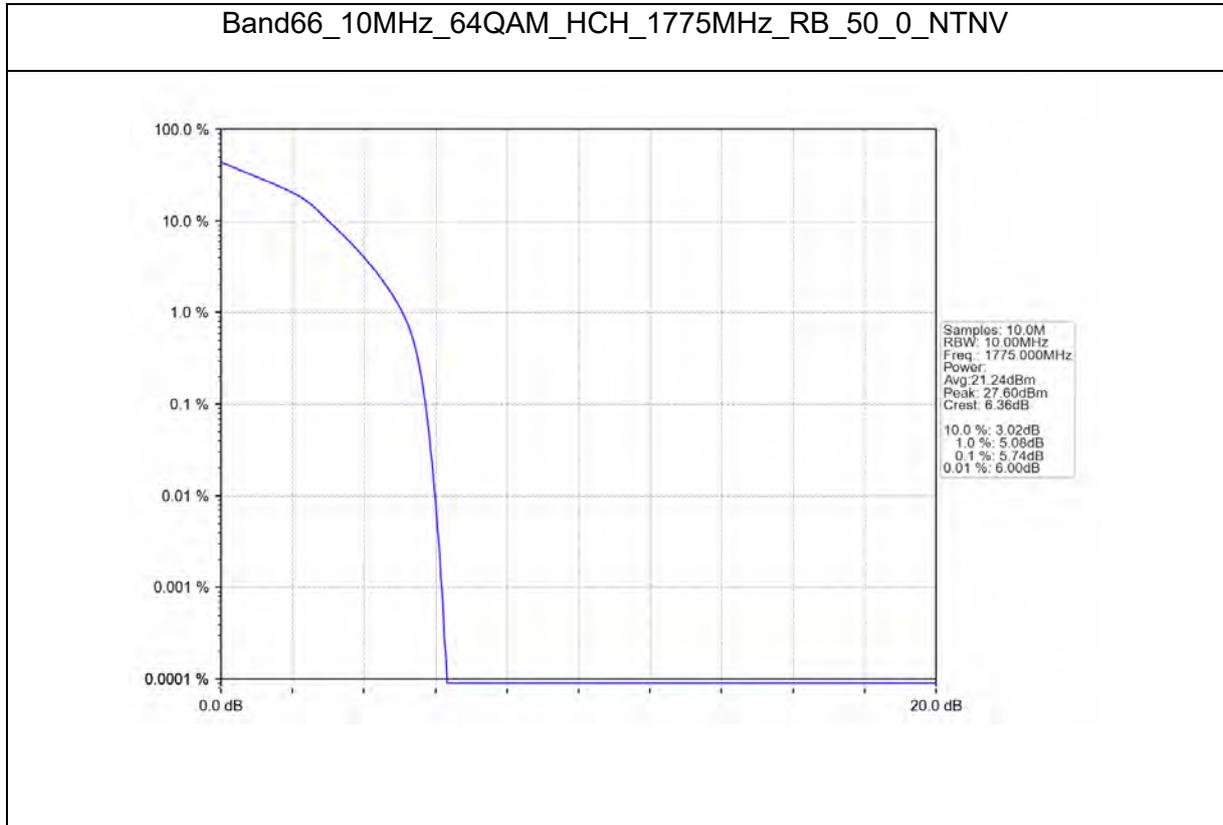


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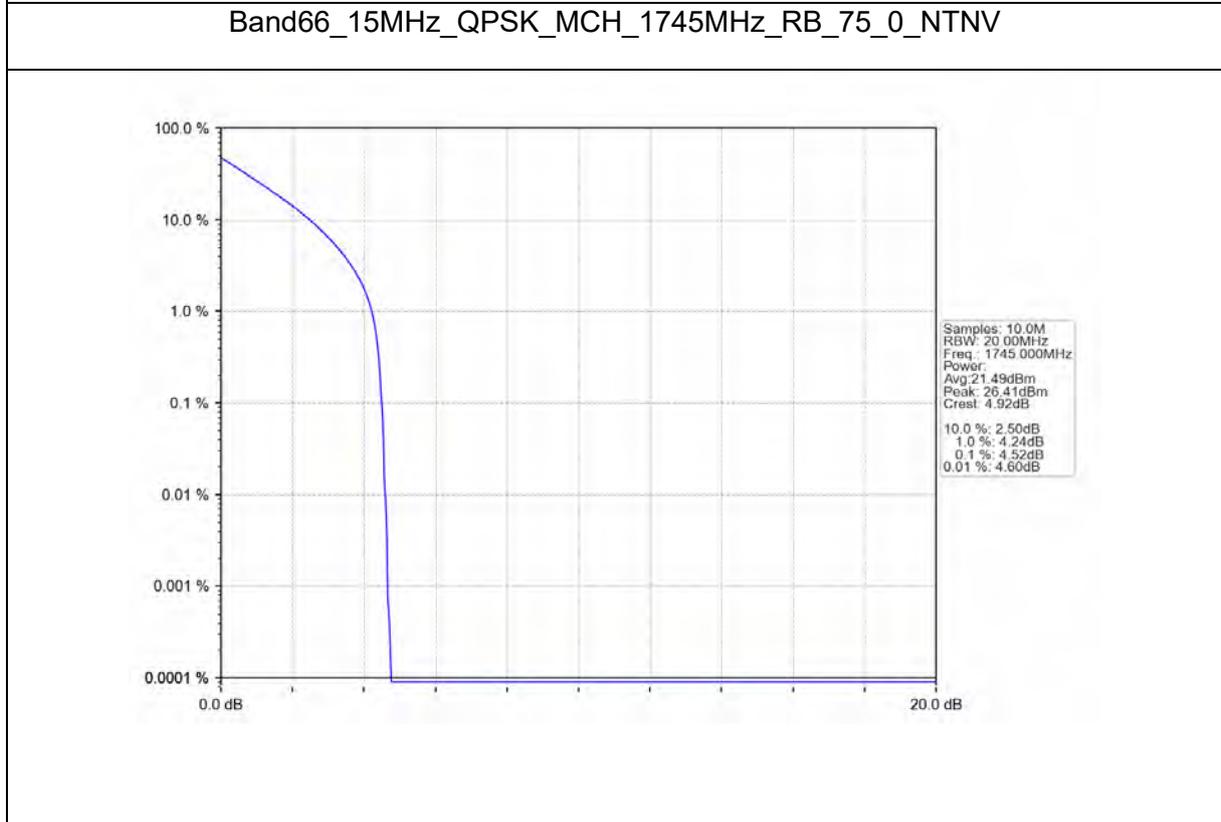
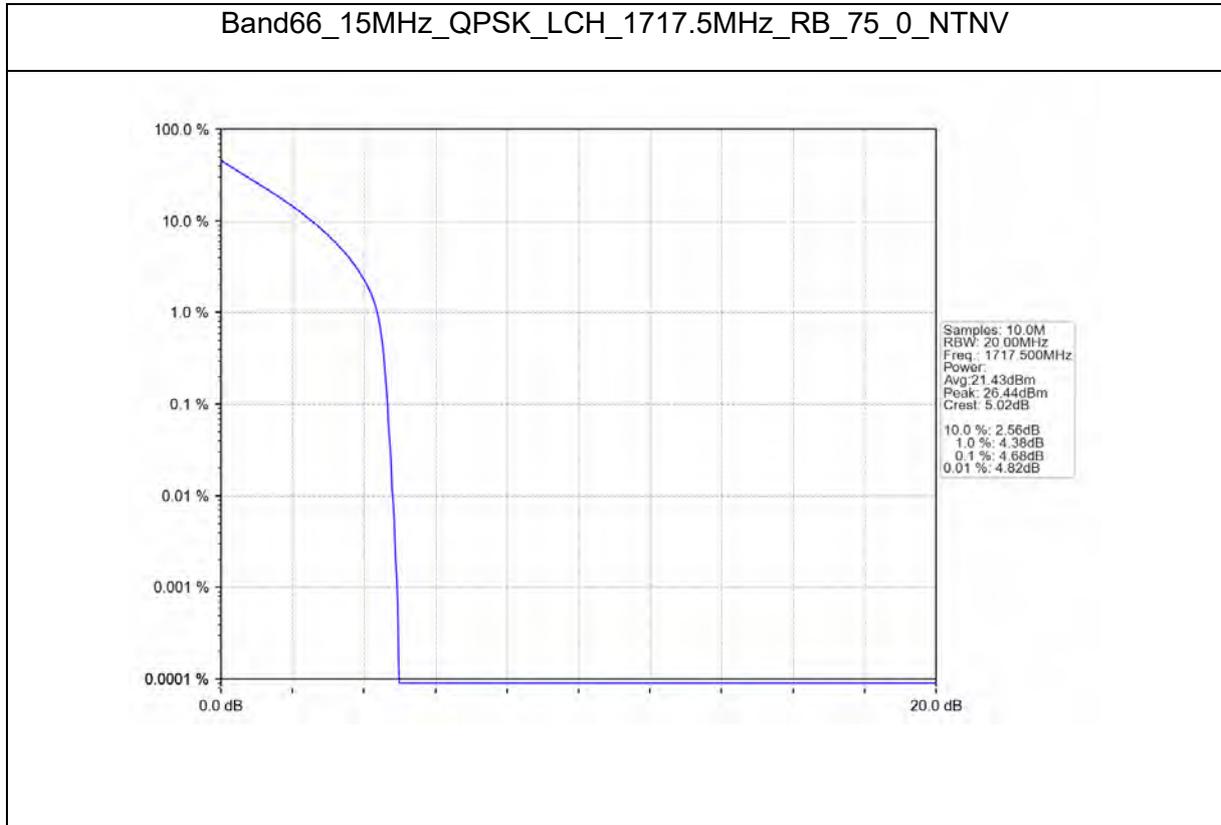




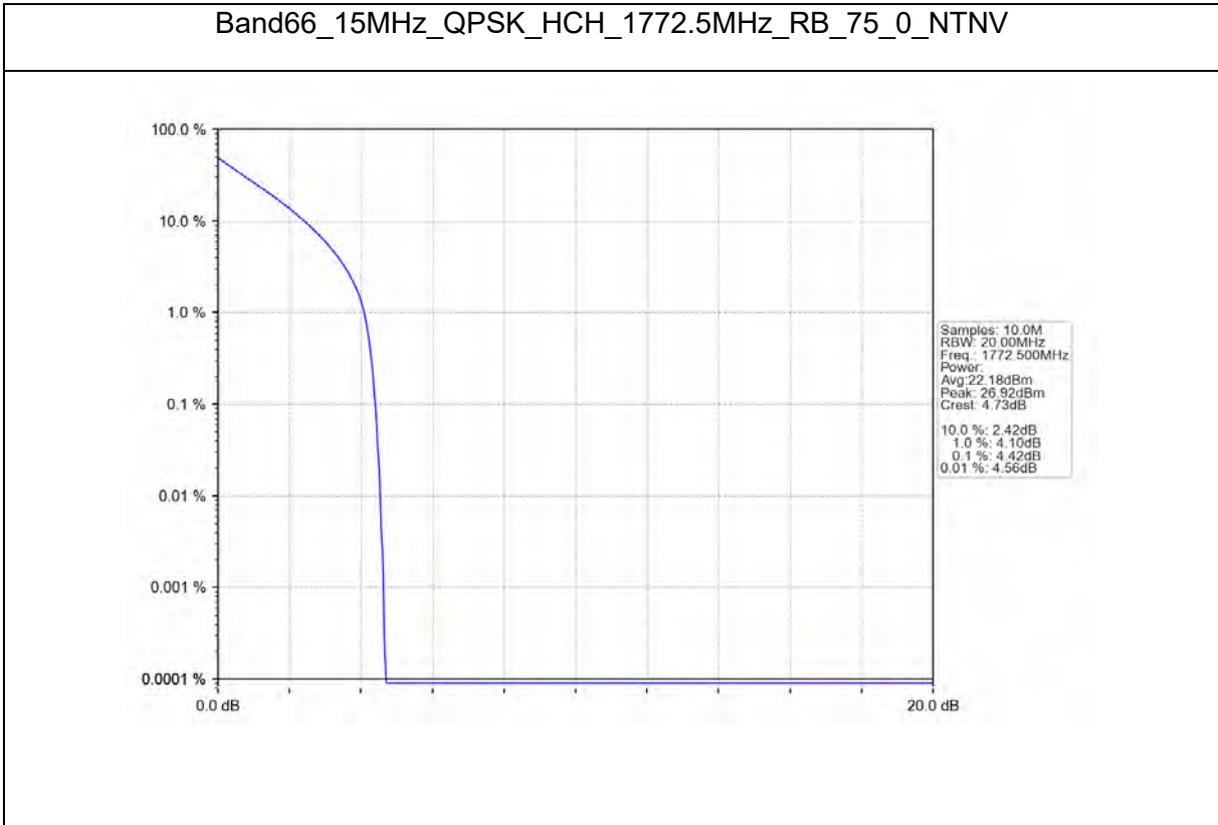
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Test Report No.: PSU-NQN2504150110RF03

B66\_15MHz

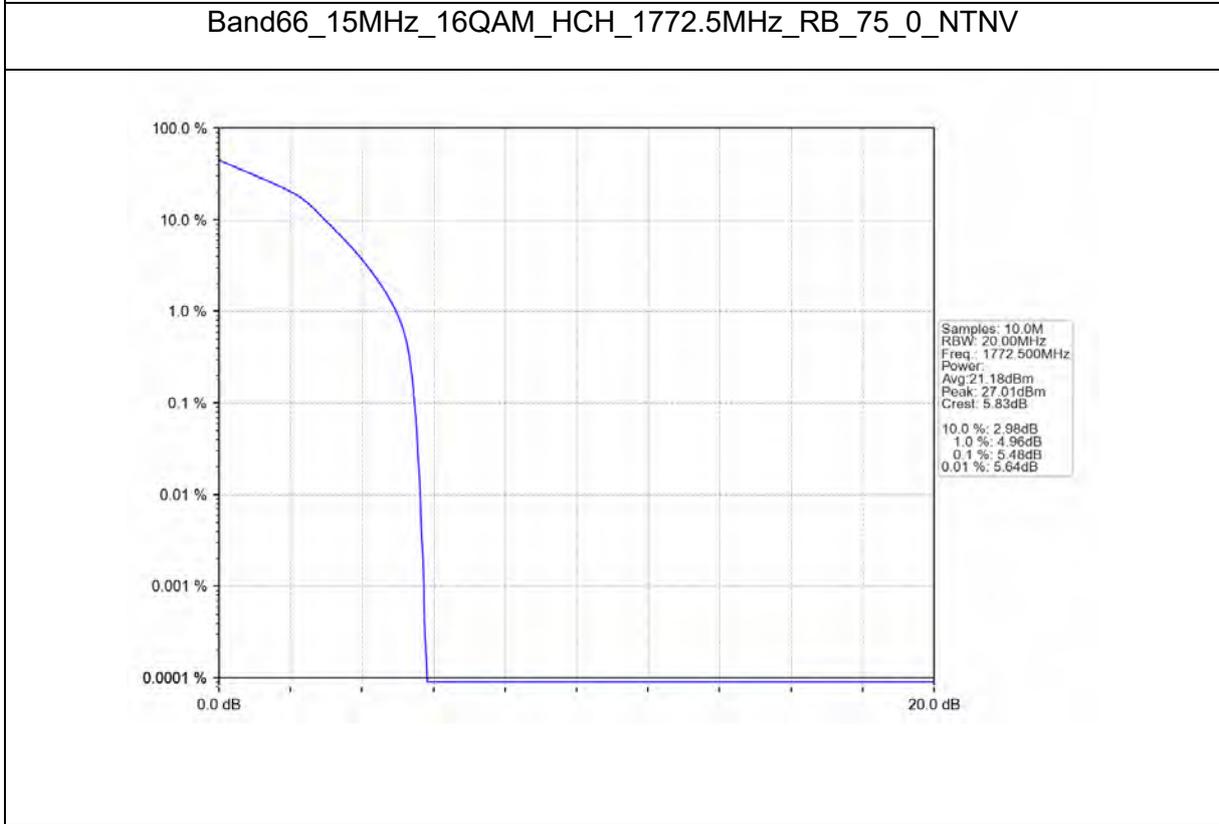
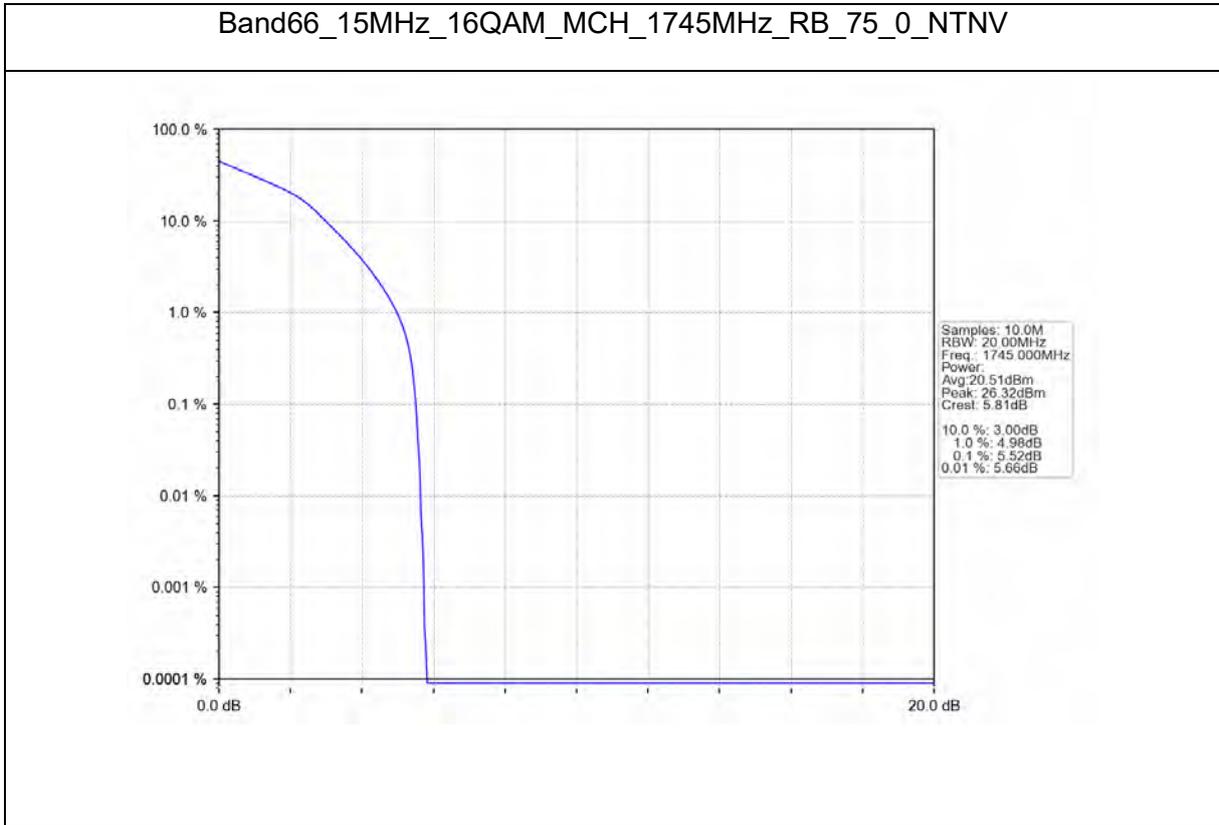


Band66\_15MHz\_QPSK\_HCH\_1772.5MHz\_RB\_75\_0\_NTNV

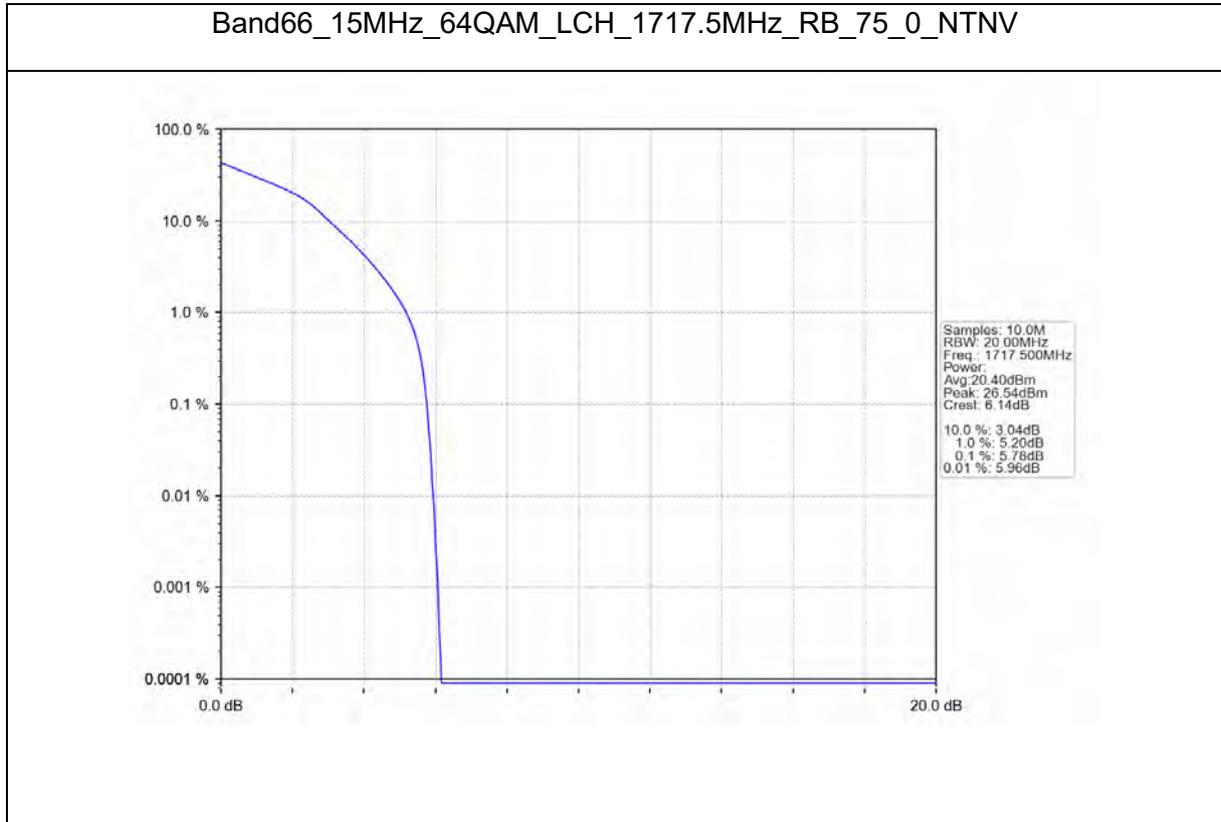


Band66\_15MHz\_16QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

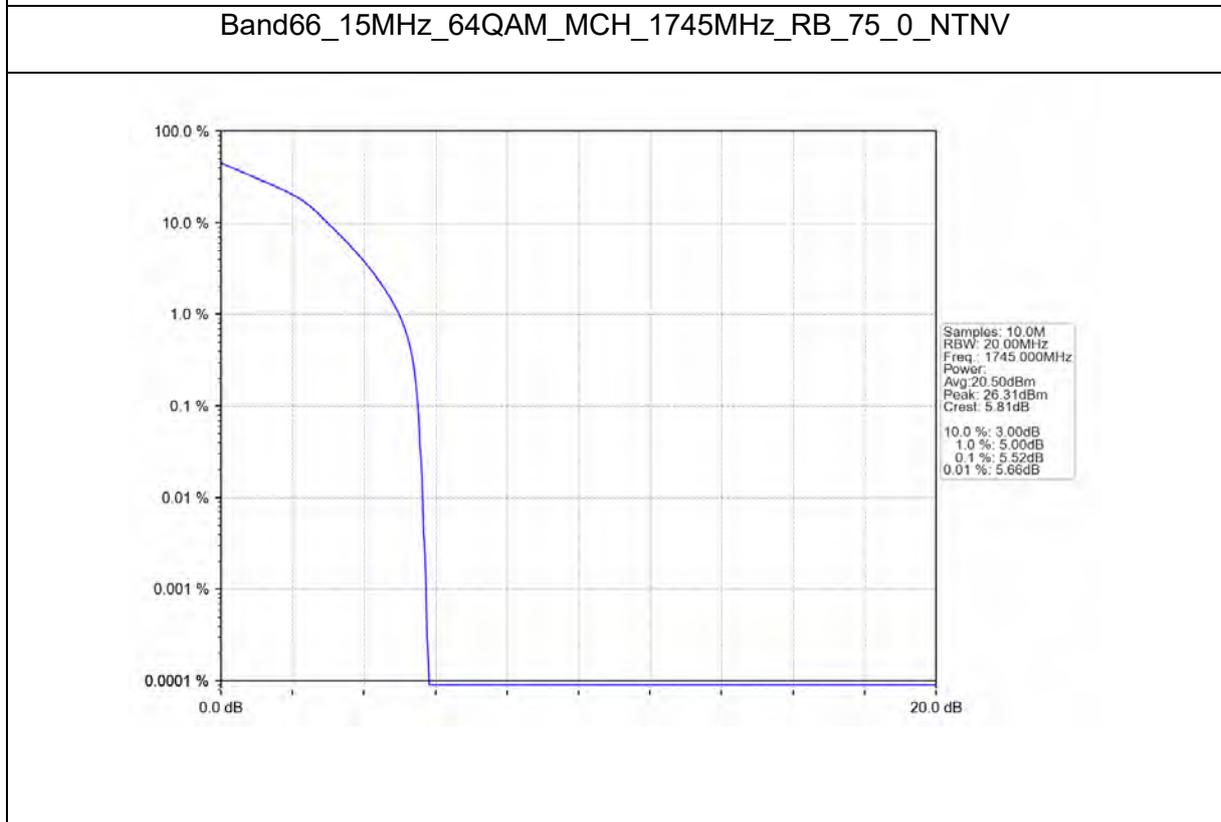




Band66\_15MHz\_64QAM\_LCH\_1717.5MHz\_RB\_75\_0\_NTNV

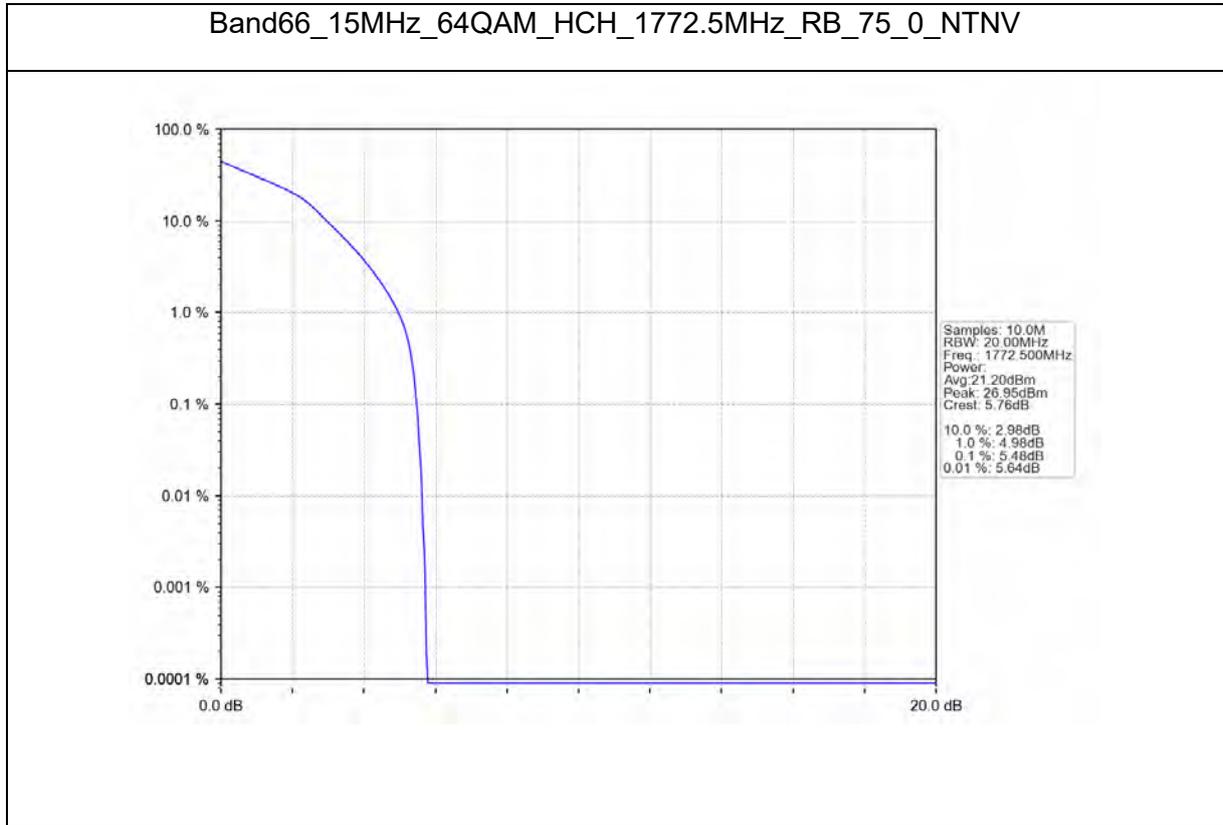


Band66\_15MHz\_64QAM\_MCH\_1745MHz\_RB\_75\_0\_NTNV

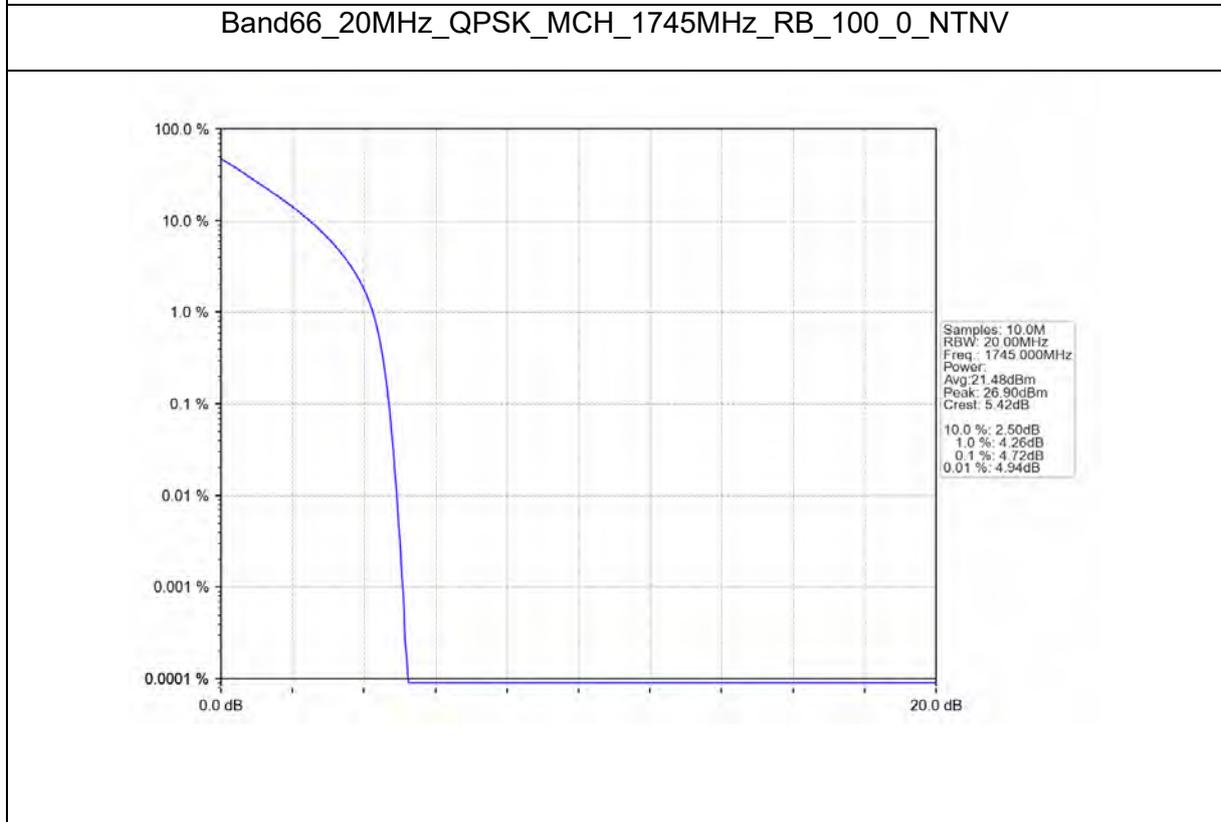
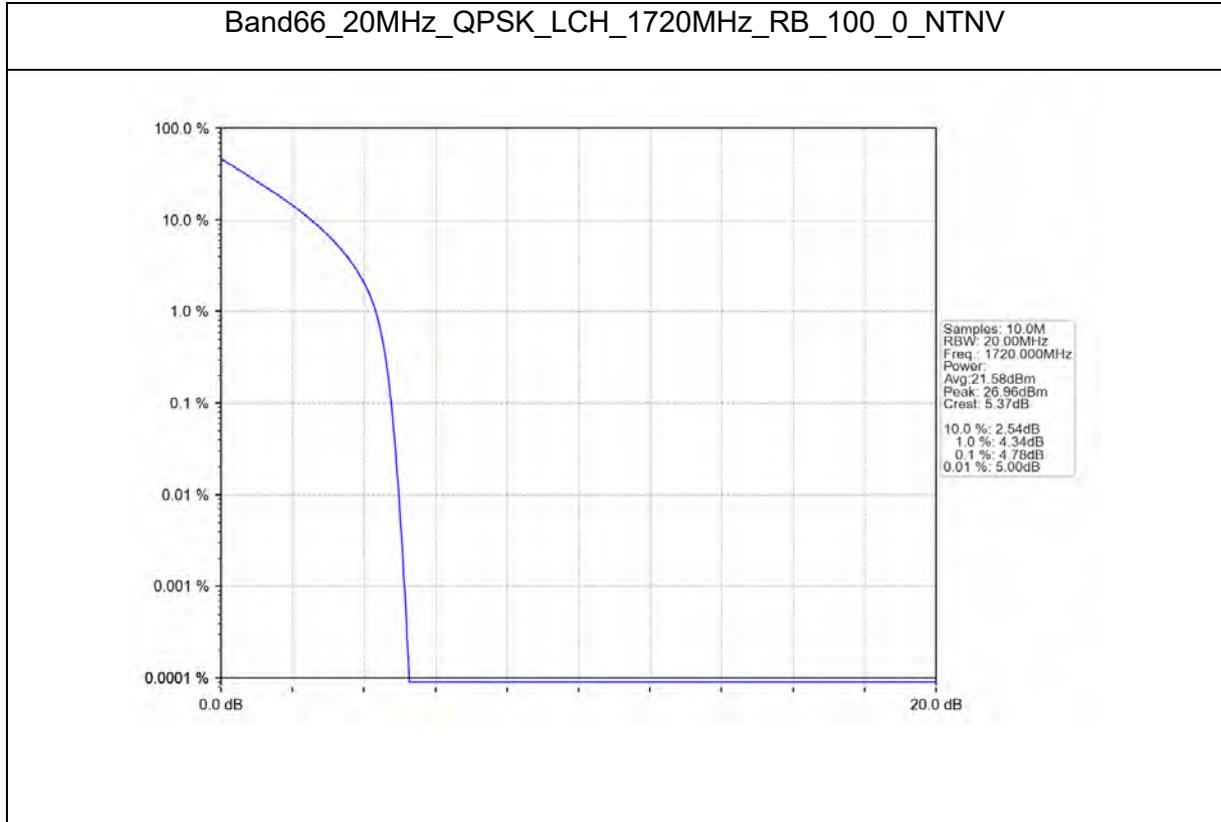




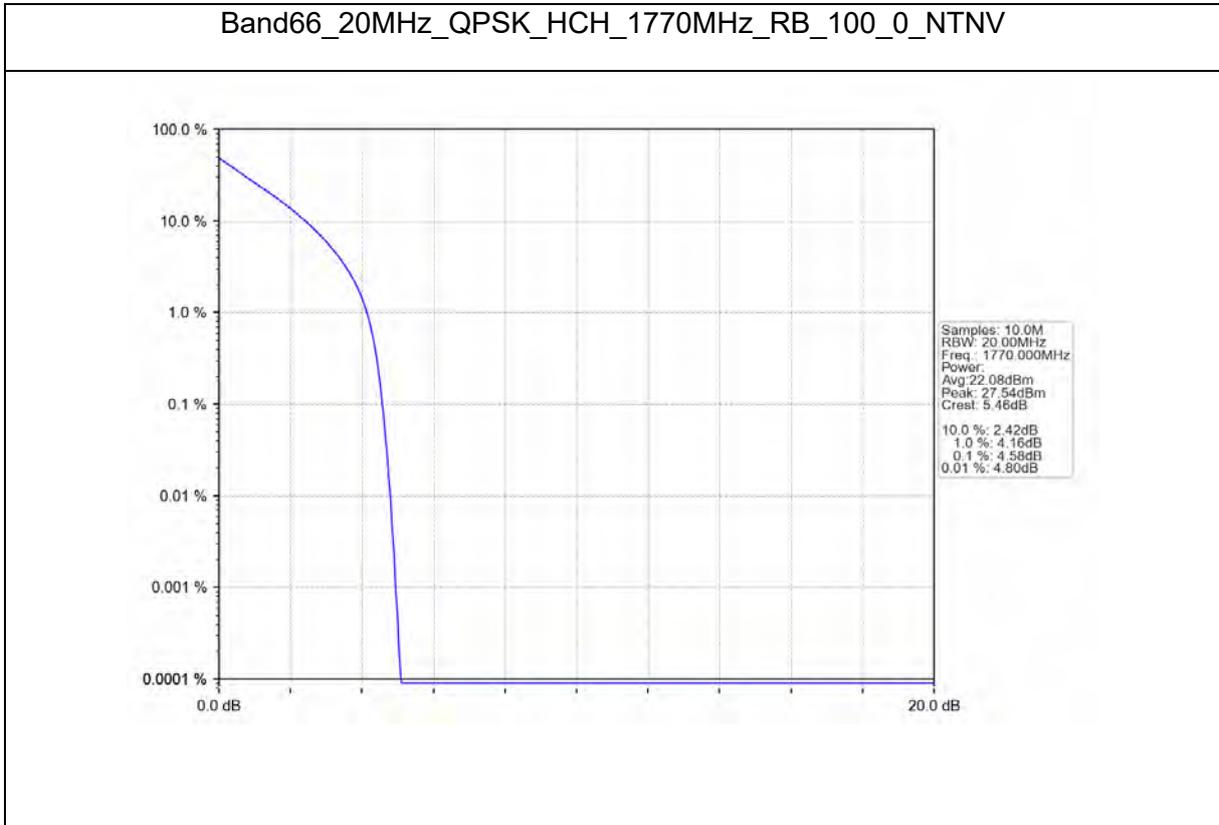
Test Report No.: PSU-NQN2504150110RF03



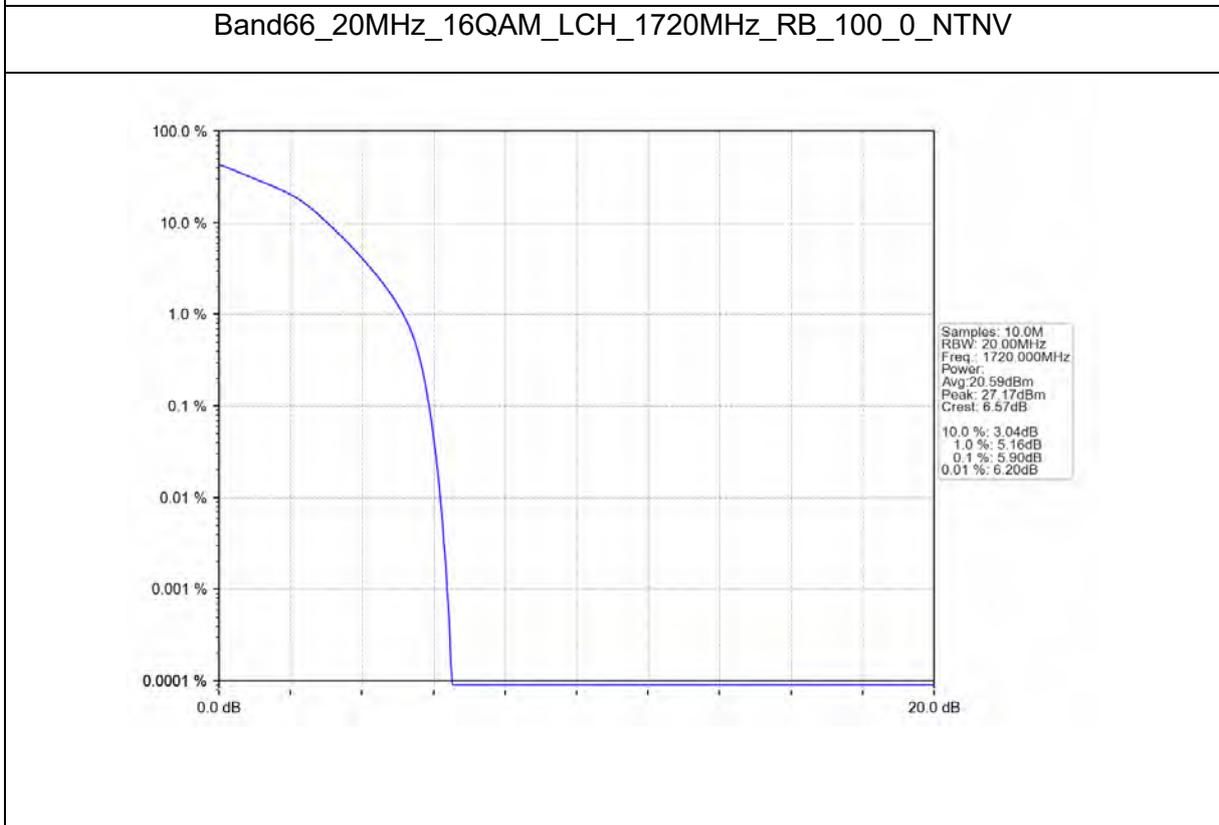
B66\_20MHz



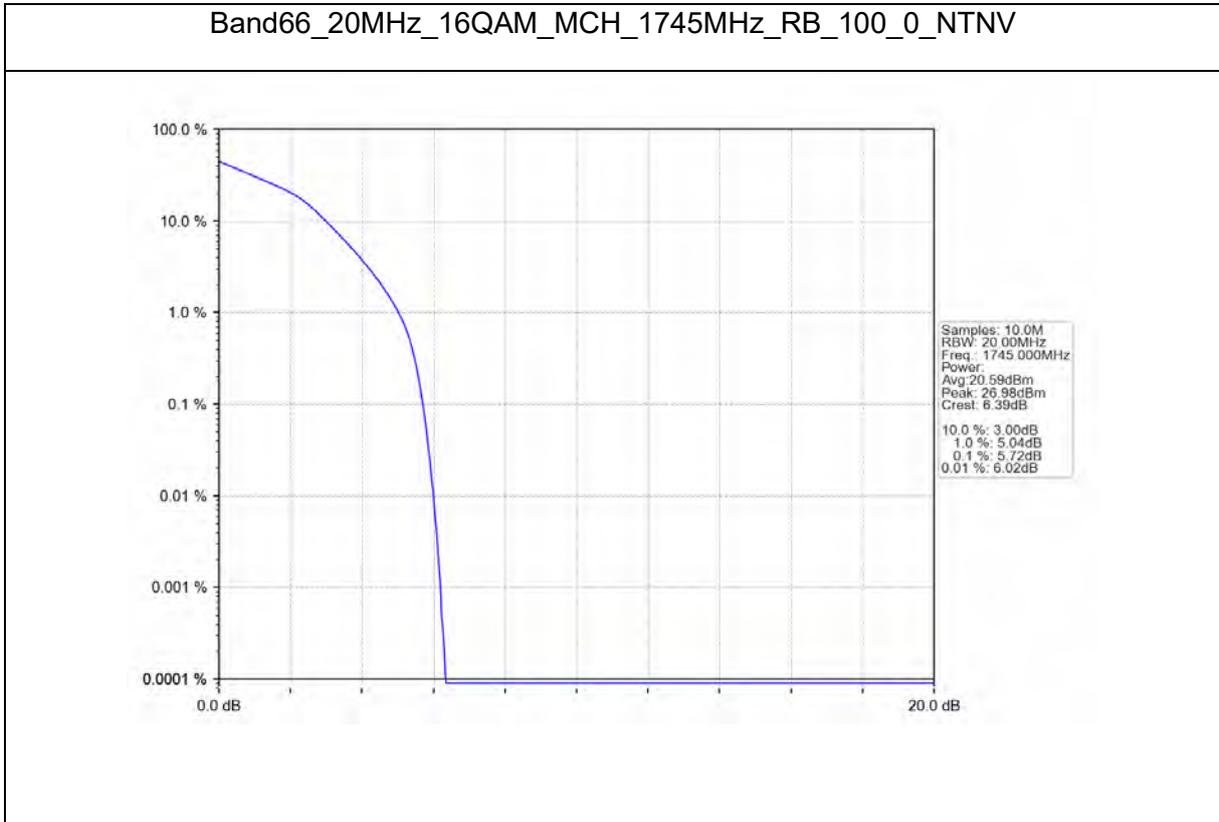
Band66\_20MHz\_QPSK\_HCH\_1770MHz\_RB\_100\_0\_NTNV



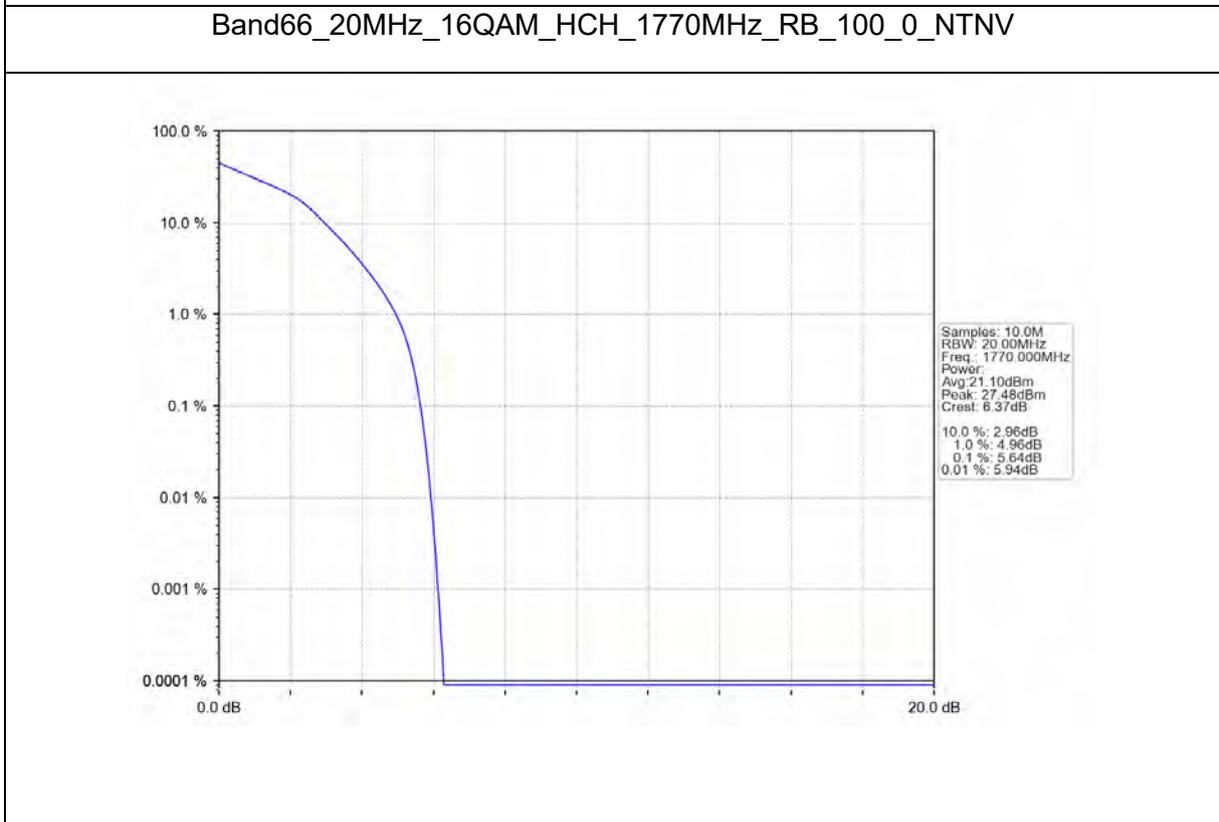
Band66\_20MHz\_16QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV



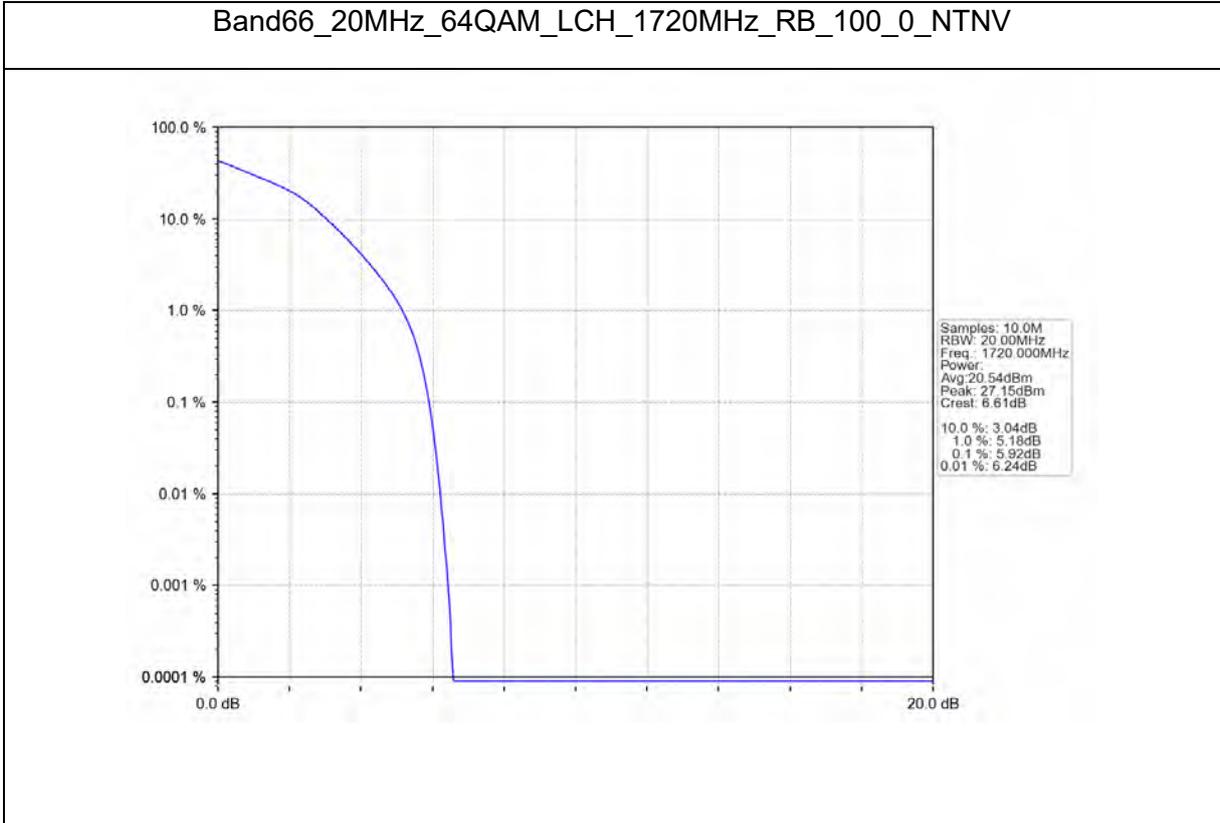
Band66\_20MHz\_16QAM\_MCH\_1745MHz\_RB\_100\_0\_NTNV



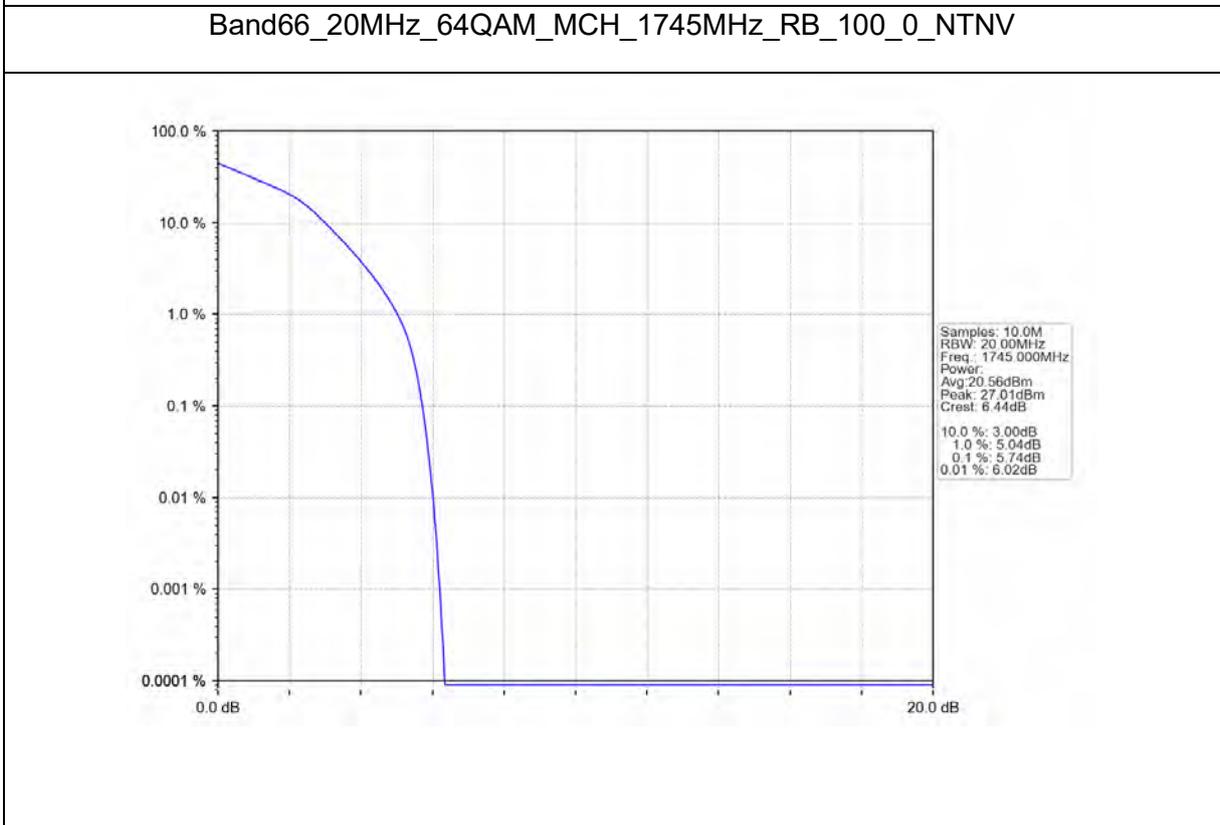
Band66\_20MHz\_16QAM\_HCH\_1770MHz\_RB\_100\_0\_NTNV



Band66\_20MHz\_64QAM\_LCH\_1720MHz\_RB\_100\_0\_NTNV

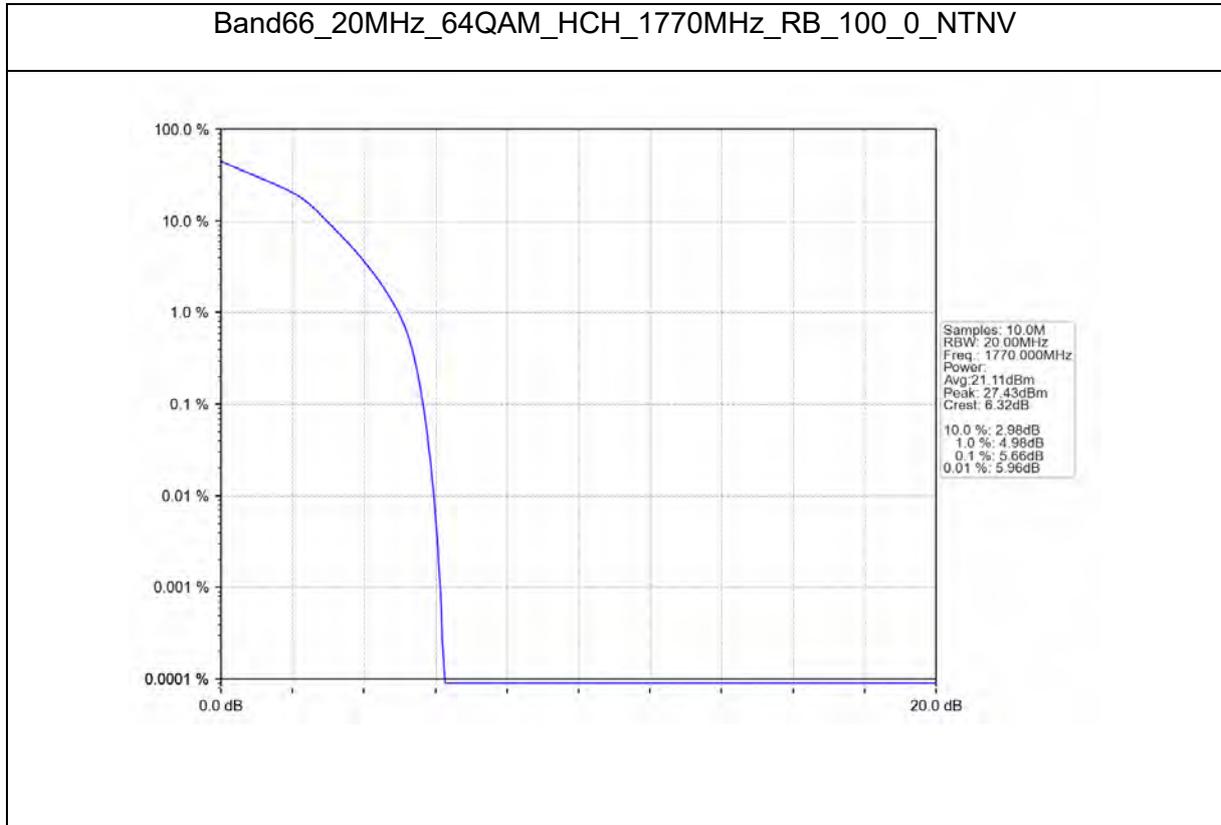


Band66\_20MHz\_64QAM\_MCH\_1745MHz\_RB\_100\_0\_NTNV





Test Report No.: PSU-NQN2504150110RF03





## 26DB BANDWIDTH AND OCCUPIED BANDWIDTH

### Test Result

Band: 66 / NTVN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.103	/	Pass
		1745	6	0	1.113	/	Pass
		1779.3	6	0	1.101	/	Pass
	16QAM	1710.7	6	0	1.120	/	Pass
		1745	6	0	1.110	/	Pass
		1779.3	6	0	1.109	/	Pass
	64QAM	1710.7	6	0	1.099	/	Pass
		1745	6	0	1.108	/	Pass
		1779.3	6	0	1.098	/	Pass
3	QPSK	1711.5	15	0	2.740	/	Pass
		1745	15	0	2.742	/	Pass
		1778.5	15	0	2.750	/	Pass
	16QAM	1711.5	15	0	2.761	/	Pass
		1745	15	0	2.737	/	Pass
		1778.5	15	0	2.751	/	Pass
	64QAM	1711.5	15	0	2.744	/	Pass
		1745	15	0	2.748	/	Pass
		1778.5	15	0	2.737	/	Pass
5	QPSK	1712.5	25	0	4.526	/	Pass
		1745	25	0	4.515	/	Pass
		1777.5	25	0	4.532	/	Pass
	16QAM	1712.5	25	0	4.521	/	Pass
		1745	25	0	4.529	/	Pass
		1777.5	25	0	4.517	/	Pass
	64QAM	1712.5	25	0	4.526	/	Pass
		1745	25	0	4.517	/	Pass
		1777.5	25	0	4.525	/	Pass
10	QPSK	1715	50	0	9.028	/	Pass
		1745	50	0	9.007	/	Pass
		1775	50	0	9.023	/	Pass
	16QAM	1715	50	0	9.033	/	Pass
		1745	50	0	9.004	/	Pass
		1775	50	0	9.026	/	Pass
	64QAM	1715	50	0	9.036	/	Pass
		1745	50	0	9.003	/	Pass
		1775	50	0	9.000	/	Pass
15	QPSK	1717.5	75	0	13.475	/	Pass
		1745	75	0	13.541	/	Pass
		1772.5	75	0	13.530	/	Pass
	16QAM	1717.5	75	0	13.486	/	Pass
		1745	75	0	13.507	/	Pass
		1772.5	75	0	13.503	/	Pass
	64QAM	1717.5	75	0	13.499	/	Pass
		1745	75	0	13.539	/	Pass
		1772.5	75	0	13.479	/	Pass
20	QPSK	1720	100	0	18.043	/	Pass
		1745	100	0	18.049	/	Pass
		1770	100	0	17.967	/	Pass
	16QAM	1720	100	0	18.076	/	Pass
		1745	100	0	18.010	/	Pass
		1770	100	0	18.036	/	Pass



**BUREAU  
VERITAS**

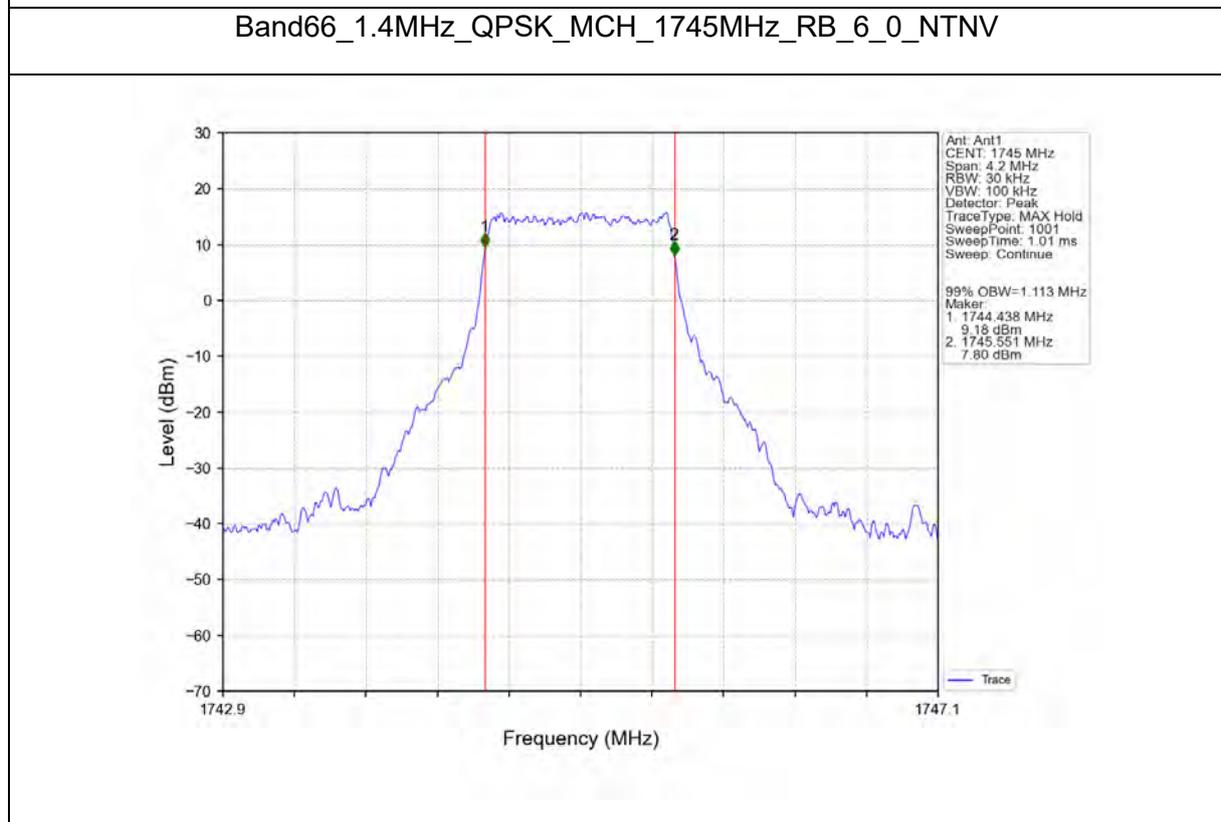
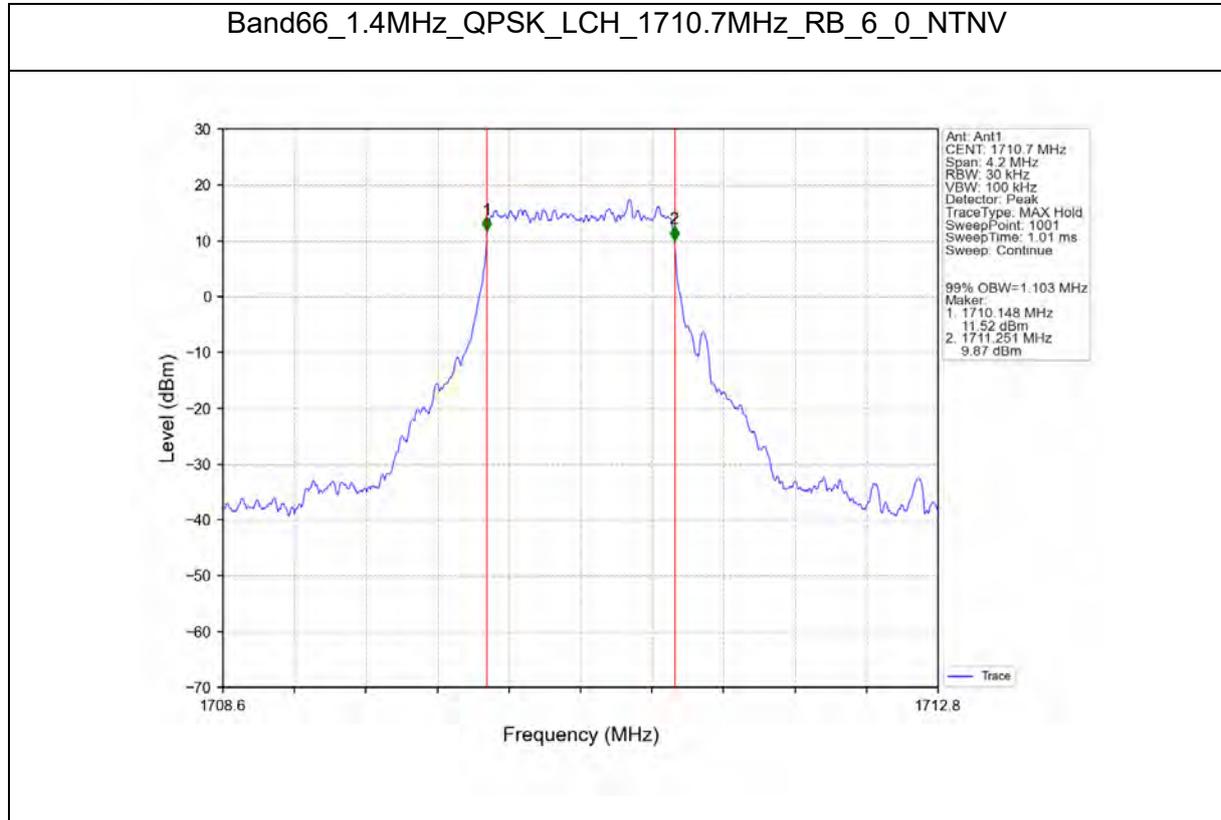
**Test Report No.: PSU-NQN2504150110RF03**

	64QAM	1720	100	0	18.022	/	Pass
		1745	100	0	18.037	/	Pass
		1770	100	0	17.939	/	Pass

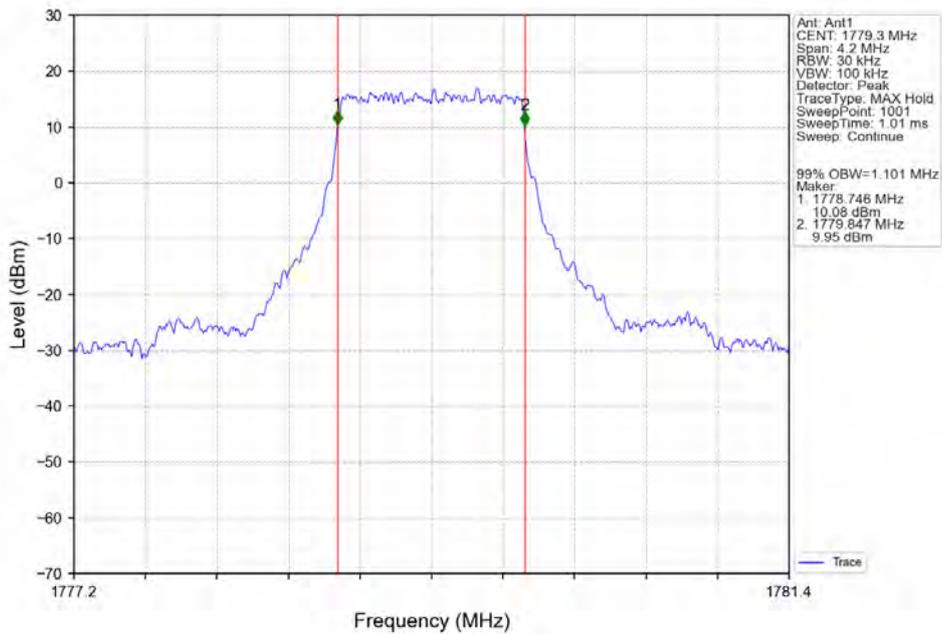
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.404	/	Pass
		1745	6	0	1.387	/	Pass
		1779.3	6	0	1.367	/	Pass
	16QAM	1710.7	6	0	1.440	/	Pass
		1745	6	0	1.542	/	Pass
		1779.3	6	0	1.492	/	Pass
	64QAM	1710.7	6	0	1.406	/	Pass
		1745	6	0	1.369	/	Pass
		1779.3	6	0	1.382	/	Pass
3	QPSK	1711.5	15	0	3.127	/	Pass
		1745	15	0	3.137	/	Pass
		1778.5	15	0	3.145	/	Pass
	16QAM	1711.5	15	0	3.168	/	Pass
		1745	15	0	3.117	/	Pass
		1778.5	15	0	3.184	/	Pass
	64QAM	1711.5	15	0	3.118	/	Pass
		1745	15	0	3.125	/	Pass
		1778.5	15	0	3.144	/	Pass
5	QPSK	1712.5	25	0	5.155	/	Pass
		1745	25	0	5.179	/	Pass
		1777.5	25	0	5.211	/	Pass
	16QAM	1712.5	25	0	5.194	/	Pass
		1745	25	0	5.186	/	Pass
		1777.5	25	0	5.100	/	Pass
	64QAM	1712.5	25	0	5.170	/	Pass
		1745	25	0	5.164	/	Pass
		1777.5	25	0	5.176	/	Pass
10	QPSK	1715	50	0	10.038	/	Pass
		1745	50	0	10.050	/	Pass
		1775	50	0	10.056	/	Pass
	16QAM	1715	50	0	9.938	/	Pass
		1745	50	0	9.846	/	Pass
		1775	50	0	10.027	/	Pass
	64QAM	1715	50	0	9.931	/	Pass
		1745	50	0	9.992	/	Pass
		1775	50	0	9.944	/	Pass
15	QPSK	1717.5	75	0	14.865	/	Pass
		1745	75	0	14.953	/	Pass
		1772.5	75	0	14.947	/	Pass
	16QAM	1717.5	75	0	14.815	/	Pass
		1745	75	0	14.798	/	Pass
		1772.5	75	0	14.999	/	Pass
	64QAM	1717.5	75	0	14.985	/	Pass
		1745	75	0	14.933	/	Pass
		1772.5	75	0	14.649	/	Pass
20	QPSK	1720	100	0	20.079	/	Pass
		1745	100	0	19.798	/	Pass
		1770	100	0	19.606	/	Pass
	16QAM	1720	100	0	19.758	/	Pass
		1745	100	0	19.657	/	Pass
		1770	100	0	19.790	/	Pass
	64QAM	1720	100	0	19.489	/	Pass
		1745	100	0	19.785	/	Pass
		1770	100	0	20.000	/	Pass

## Test Graphs

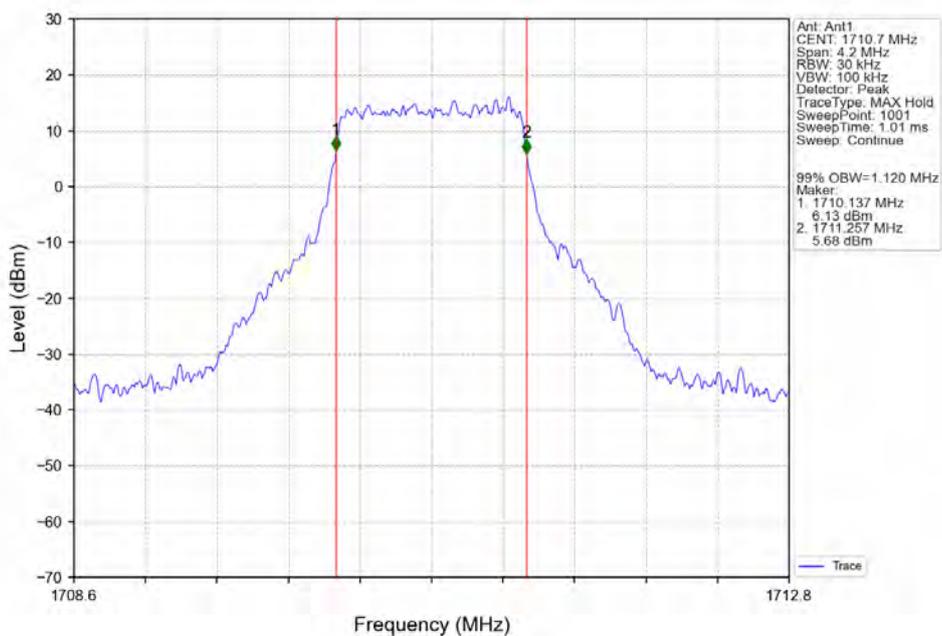
### OCCUPIED BANDWIDTH



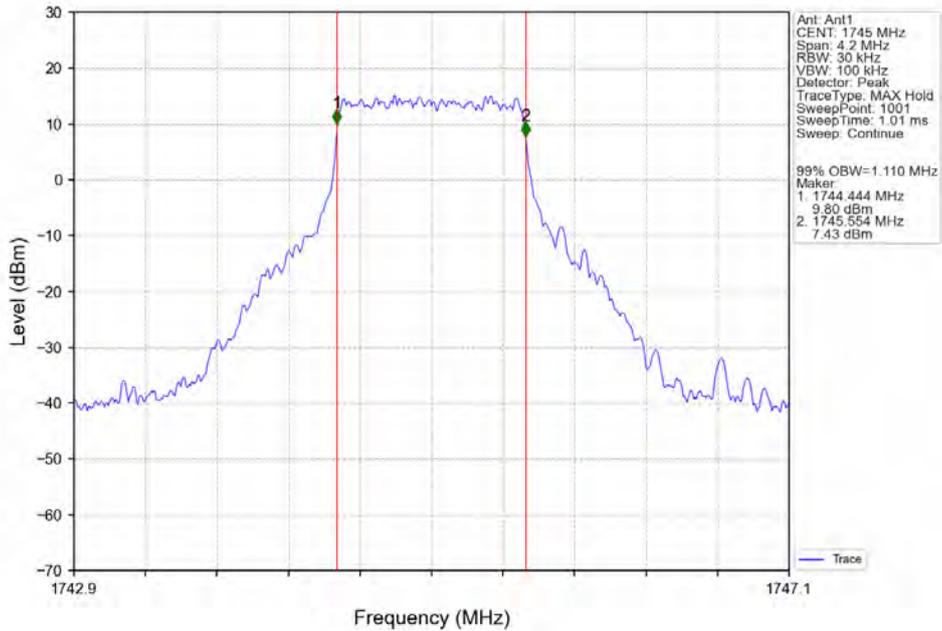
Band66\_1.4MHz\_QPSK\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



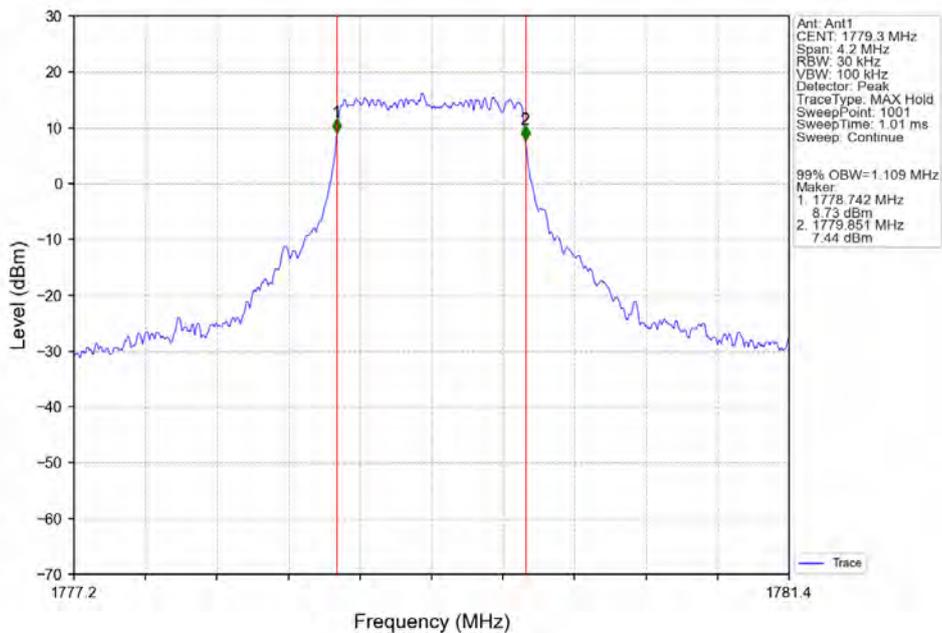
Band66\_1.4MHz\_16QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



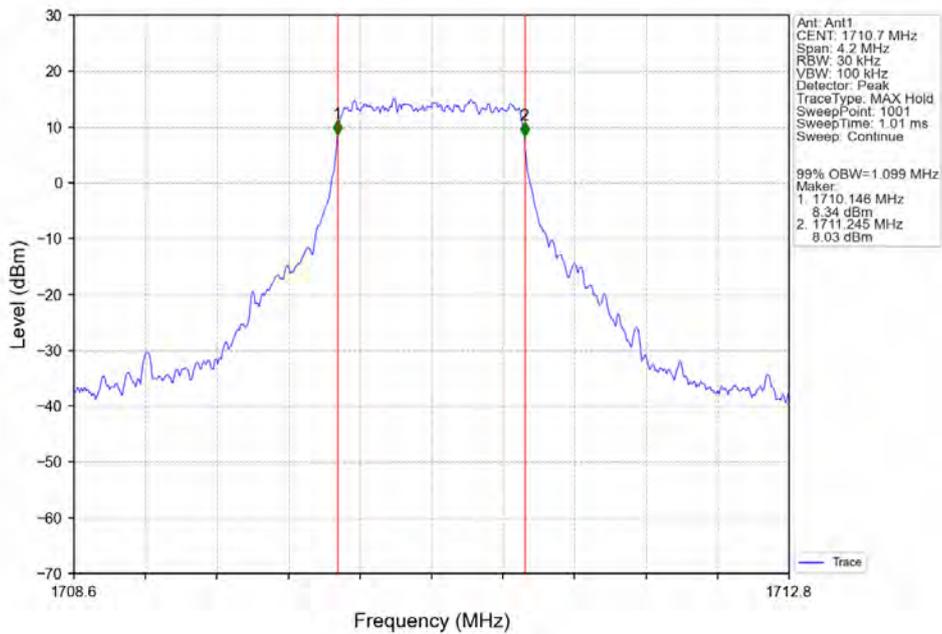
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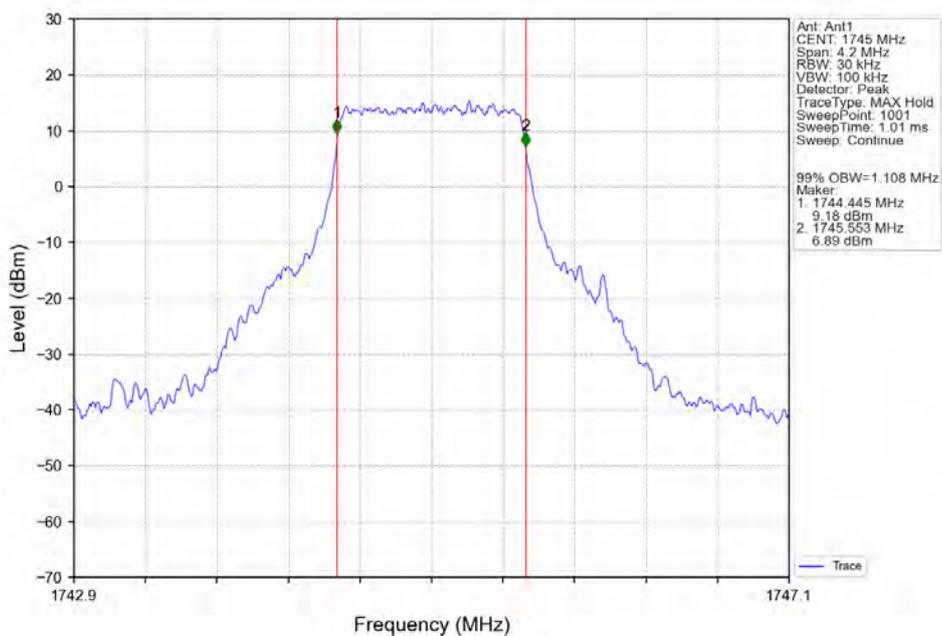
Band66\_1.4MHz\_16QAM\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



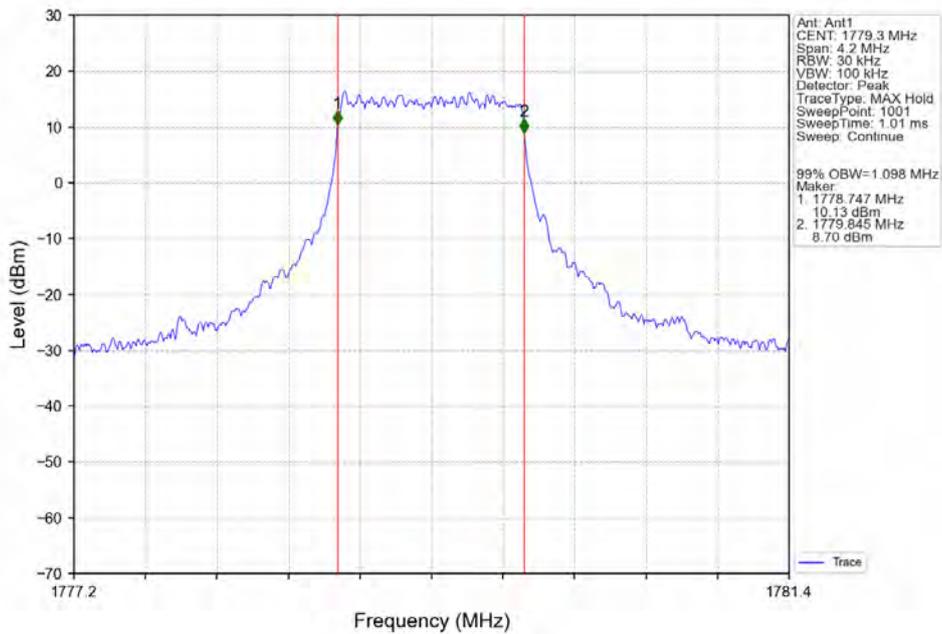
Band66\_1.4MHz\_64QAM\_LCH\_1710.7MHz\_RB\_6\_0\_NTNV



Band66\_1.4MHz\_64QAM\_MCH\_1745MHz\_RB\_6\_0\_NTNV



Band66\_1.4MHz\_64QAM\_HCH\_1779.3MHz\_RB\_6\_0\_NTNV



Band66\_3MHz\_QPSK\_LCH\_1711.5MHz\_RB\_15\_0\_NTNV

