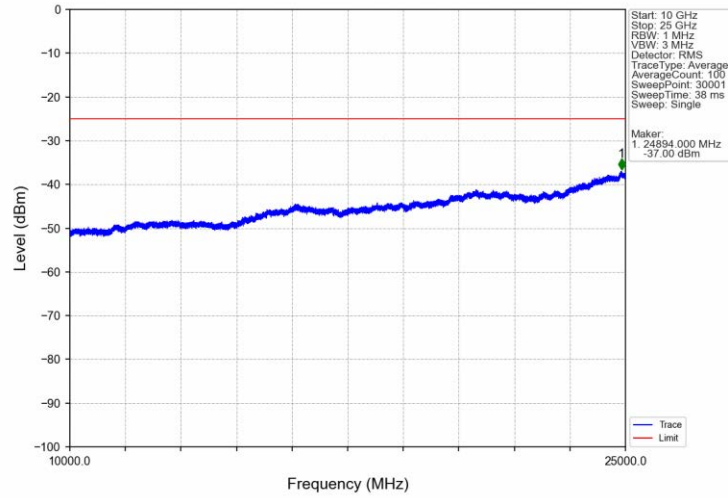
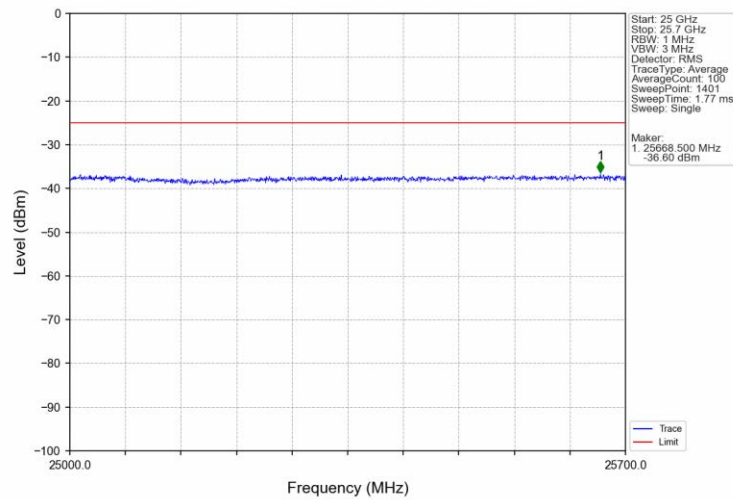


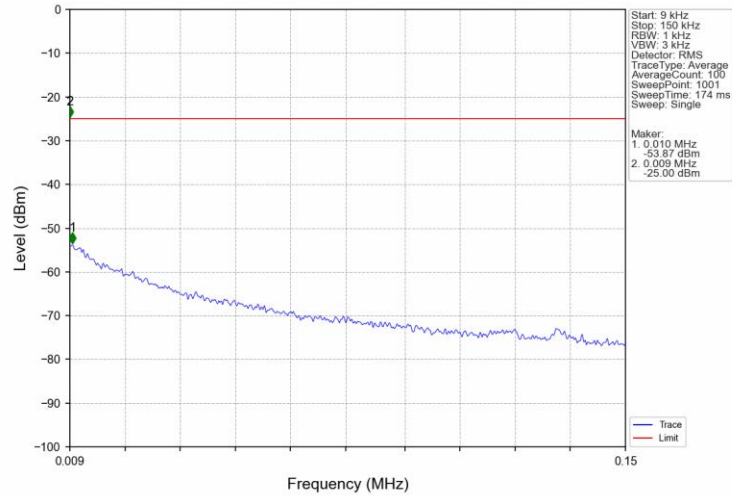
Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



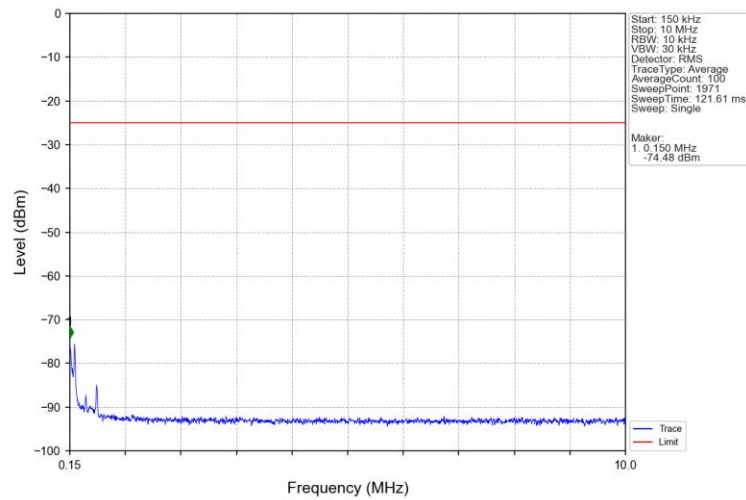
Band7_20MHz_16QAM_MCH_2535MHz_RB_1_0_NTNV



Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV

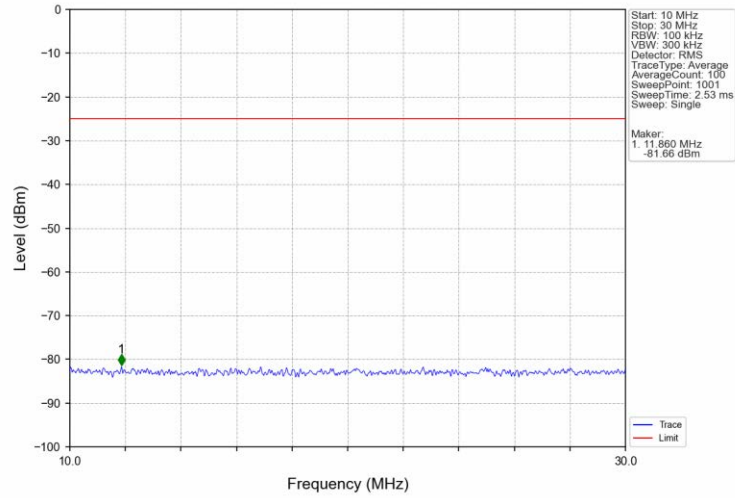


Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV

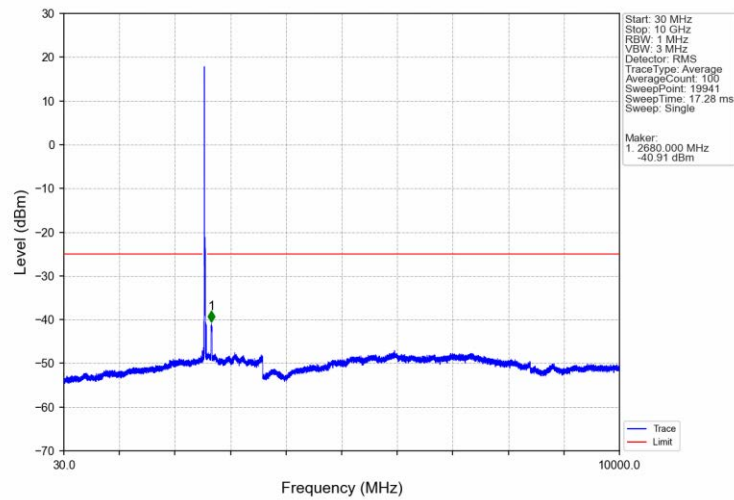


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Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV

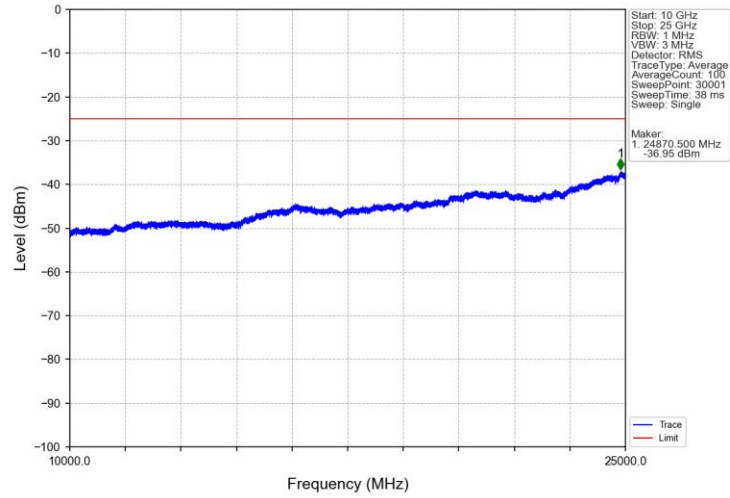


Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV

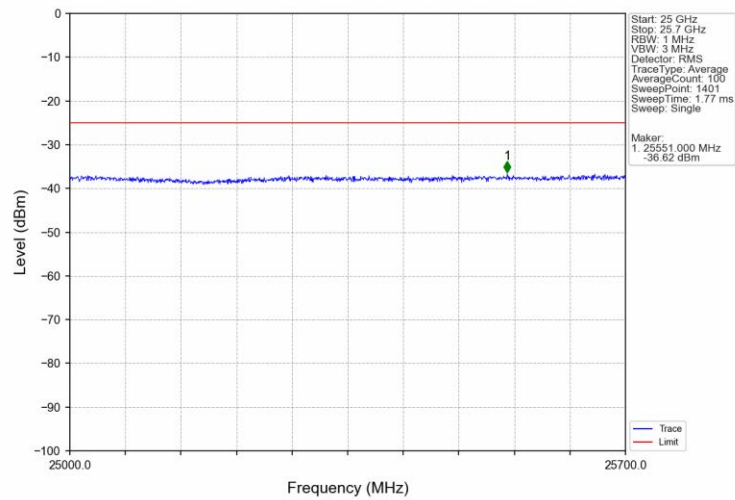


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Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV

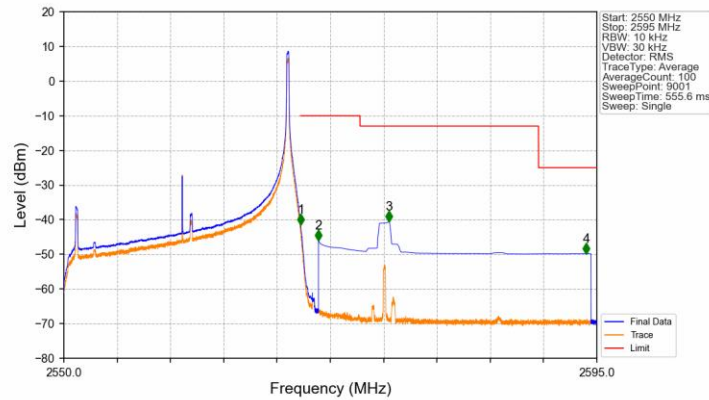


Band7_20MHz_16QAM_HCH_2560MHz_RB_1_0_NTNV



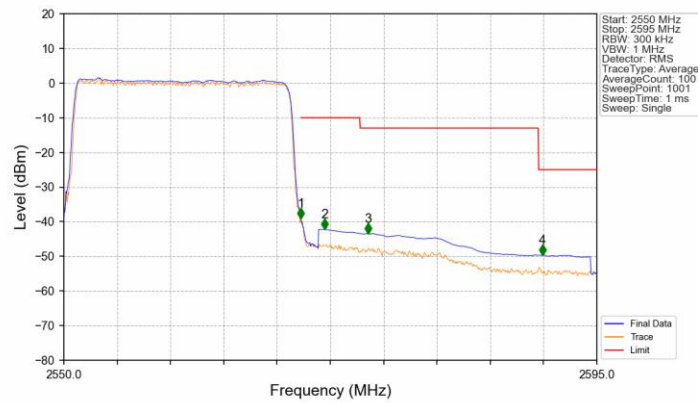
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Band7 20MHz 16QAM HCH 2560MHz RB 1 99 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.02	CHP	/	/	/	/	/
2570	2571	0.02	CHP	1	2570.005	-41.56	-10	Pass
2571	2575	1	CHP	2	2571.500	-46.13	-10	Pass
2575	2590.078	1	CHP	3	2577.440	-40.64	-13	Pass
2590.078	2595	1	CHP	4	2594.120	-49.82	-25	Pass

Band7 20MHz 16QAM HCH 2560MHz RB 100 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2550	2570	0.402	CHP	/	/	/	/	/
2570	2571	0.402	CHP	1	2570.025	-39.07	-10	Pass
2571	2575	1	CHP	2	2572.005	-42.22	-10	Pass
2575	2590.078	1	CHP	3	2575.695	-43.47	-13	Pass
2590.078	2595	1	CHP	4	2590.410	-49.64	-25	Pass

7. Frequency Stability (IC)

7.1 Test Result

7.1.1 B7_5MHz

Band: 7 / Bandwidth: 5MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	OBW (FL - FH) (MHz)		Limit	Verdict
		Size	Offset			FL	FH		
QPSK	2502.5	25	0	20	3.27	2500.255	2504.788	2500 to 2510	Pass
					3.85	2500.252	2504.790	2500 to 2510	Pass
					4.43	2500.249	2504.783	2500 to 2510	Pass
				-30	3.85	2500.250	2504.789	2500 to 2510	Pass
				-20	3.85	2500.255	2504.797	2500 to 2510	Pass
				-10	3.85	2500.252	2504.794	2500 to 2510	Pass
				0	3.85	2500.251	2504.795	2500 to 2510	Pass
				10	3.85	2500.241	2504.788	2500 to 2510	Pass
				30	3.85	2500.245	2504.798	2500 to 2510	Pass
				40	3.85	2500.250	2504.782	2500 to 2510	Pass
				50	3.85	2500.245	2504.791	2500 to 2510	Pass
	2535	25	0	20	3.27	2532.742	2537.280	2530 to 2540	Pass
					3.85	2532.734	2537.291	2530 to 2540	Pass
					4.43	2532.739	2537.281	2530 to 2540	Pass
				-30	3.85	2532.732	2537.289	2530 to 2540	Pass
				-20	3.85	2532.750	2537.278	2530 to 2540	Pass
				-10	3.85	2532.735	2537.291	2530 to 2540	Pass
				0	3.85	2532.741	2537.288	2530 to 2540	Pass
				10	3.85	2532.743	2537.288	2530 to 2540	Pass
				30	3.85	2532.742	2537.283	2530 to 2540	Pass
				40	3.85	2532.740	2537.284	2530 to 2540	Pass
				50	3.85	2532.739	2537.291	2530 to 2540	Pass
	2567.5	25	0	20	3.27	2565.244	2569.790	2560 to 2570	Pass
					3.85	2565.222	2569.790	2560 to 2570	Pass
					4.43	2565.227	2569.793	2560 to 2570	Pass
				-30	3.85	2565.238	2569.792	2560 to 2570	Pass
				-20	3.85	2565.234	2569.790	2560 to 2570	Pass
				-10	3.85	2565.231	2569.790	2560 to 2570	Pass
				0	3.85	2565.225	2569.799	2560 to 2570	Pass
				10	3.85	2565.232	2569.802	2560 to 2570	Pass
				30	3.85	2565.233	2569.790	2560 to 2570	Pass
				40	3.85	2565.234	2569.790	2560 to 2570	Pass
				50	3.85	2565.229	2569.783	2560 to 2570	Pass
16QAM	2502.5	25	0	20	3.27	2500.223	2504.791	2500 to 2510	Pass
					3.85	2500.215	2504.793	2500 to 2510	Pass
					4.43	2500.254	2504.805	2500 to 2510	Pass
				-30	3.85	2500.253	2504.808	2500 to 2510	Pass
				-20	3.85	2500.224	2504.804	2500 to 2510	Pass
				-10	3.85	2500.218	2504.793	2500 to 2510	Pass
				0	3.85	2500.253	2504.795	2500 to 2510	Pass
				10	3.85	2500.237	2504.803	2500 to 2510	Pass
				30	3.85	2500.227	2504.781	2500 to 2510	Pass
				40	3.85	2500.249	2504.805	2500 to 2510	Pass
				50	3.85	2500.244	2504.797	2500 to 2510	Pass
	2535	25	0	20	3.27	2532.724	2537.296	2530 to 2540	Pass
					3.85	2532.730	2537.300	2530 to 2540	Pass

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					4.43	2532.750	2537.289	2530 to 2540	Pass
				-30	3.85	2532.722	2537.305	2530 to 2540	Pass
				-20	3.85	2532.739	2537.301	2530 to 2540	Pass
				-10	3.85	2532.761	2537.284	2530 to 2540	Pass
				0	3.85	2532.725	2537.289	2530 to 2540	Pass
				10	3.85	2532.738	2537.290	2530 to 2540	Pass
				30	3.85	2532.736	2537.303	2530 to 2540	Pass
				40	3.85	2532.724	2537.303	2530 to 2540	Pass
				50	3.85	2532.727	2537.295	2530 to 2540	Pass
	2567.5	25	0	20	3.27	2565.249	2569.779	2560 to 2570	Pass
					3.85	2565.235	2569.776	2560 to 2570	Pass
					4.43	2565.233	2569.782	2560 to 2570	Pass
				-30	3.85	2565.236	2569.789	2560 to 2570	Pass
				-20	3.85	2565.248	2569.788	2560 to 2570	Pass
				-10	3.85	2565.231	2569.783	2560 to 2570	Pass
				0	3.85	2565.234	2569.783	2560 to 2570	Pass
				10	3.85	2565.246	2569.782	2560 to 2570	Pass
				30	3.85	2565.244	2569.783	2560 to 2570	Pass
				40	3.85	2565.248	2569.783	2560 to 2570	Pass
				50	3.85	2565.242	2569.793	2560 to 2570	Pass

7.1.2 B7_10MHz

Band: 7 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	OBW (FL - FH) (MHz)		Limit	Verdict
		Size	Offset			FL	FH		
QPSK	2505	50	0	20	3.27	2500.520	2509.584	2500 to 2510	Pass
					3.85	2500.519	2509.567	2500 to 2510	Pass
					4.43	2500.515	2509.561	2500 to 2510	Pass
				-30	3.85	2500.531	2509.587	2500 to 2510	Pass
				-20	3.85	2500.512	2509.590	2500 to 2510	Pass
				-10	3.85	2500.519	2509.581	2500 to 2510	Pass
				0	3.85	2500.525	2509.584	2500 to 2510	Pass
				10	3.85	2500.511	2509.590	2500 to 2510	Pass
				30	3.85	2500.520	2509.593	2500 to 2510	Pass
				40	3.85	2500.516	2509.570	2500 to 2510	Pass
				50	3.85	2500.522	2509.584	2500 to 2510	Pass
	2535	50	0	20	3.27	2530.492	2539.576	2530 to 2540	Pass
					3.85	2530.498	2539.576	2530 to 2540	Pass
					4.43	2530.494	2539.583	2530 to 2540	Pass
				-30	3.85	2530.485	2539.582	2530 to 2540	Pass
				-20	3.85	2530.479	2539.591	2530 to 2540	Pass
				-10	3.85	2530.490	2539.569	2530 to 2540	Pass
				0	3.85	2530.512	2539.568	2530 to 2540	Pass
				10	3.85	2530.507	2539.558	2530 to 2540	Pass
				30	3.85	2530.511	2539.580	2530 to 2540	Pass
				40	3.85	2530.498	2539.559	2530 to 2540	Pass
				50	3.85	2530.496	2539.575	2530 to 2540	Pass
	2565	50	0	20	3.27	2560.525	2569.565	2560 to 2570	Pass
					3.85	2560.515	2569.571	2560 to 2570	Pass
					4.43	2560.515	2569.560	2560 to 2570	Pass
				-30	3.85	2560.521	2569.564	2560 to 2570	Pass
				-20	3.85	2560.521	2569.548	2560 to 2570	Pass
				-10	3.85	2560.518	2569.550	2560 to 2570	Pass
				0	3.85	2560.509	2569.551	2560 to 2570	Pass
				10	3.85	2560.518	2569.565	2560 to 2570	Pass
				30	3.85	2560.524	2569.555	2560 to 2570	Pass
				40	3.85	2560.509	2569.564	2560 to 2570	Pass

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16QAM									
16QAM	2505	50	0	50	3.85	2560.528	2569.567	2560 to 2570	Pass
				20	3.27	2500.512	2509.575	2500 to 2510	Pass
					3.85	2500.520	2509.587	2500 to 2510	Pass
					4.43	2500.520	2509.582	2500 to 2510	Pass
				-30	3.85	2500.507	2509.568	2500 to 2510	Pass
				-20	3.85	2500.523	2509.569	2500 to 2510	Pass
				-10	3.85	2500.520	2509.562	2500 to 2510	Pass
				0	3.85	2500.546	2509.559	2500 to 2510	Pass
				10	3.85	2500.513	2509.586	2500 to 2510	Pass
				30	3.85	2500.521	2509.556	2500 to 2510	Pass
	2535	50	0	40	3.85	2500.525	2509.559	2500 to 2510	Pass
				50	3.85	2500.520	2509.601	2500 to 2510	Pass
				20	3.27	2530.494	2539.564	2530 to 2540	Pass
					3.85	2530.496	2539.564	2530 to 2540	Pass
					4.43	2530.495	2539.556	2530 to 2540	Pass
				-30	3.85	2530.506	2539.553	2530 to 2540	Pass
				-20	3.85	2530.493	2539.556	2530 to 2540	Pass
				-10	3.85	2530.491	2539.561	2530 to 2540	Pass
				0	3.85	2530.498	2539.557	2530 to 2540	Pass
				10	3.85	2530.500	2539.560	2530 to 2540	Pass
	2565	50	0	30	3.85	2530.487	2539.552	2530 to 2540	Pass
				40	3.85	2530.489	2539.568	2530 to 2540	Pass
				50	3.85	2530.499	2539.560	2530 to 2540	Pass
				20	3.27	2560.512	2569.571	2560 to 2570	Pass
					3.85	2560.516	2569.581	2560 to 2570	Pass
					4.43	2560.506	2569.559	2560 to 2570	Pass
				-30	3.85	2560.516	2569.571	2560 to 2570	Pass
				-20	3.85	2560.507	2569.577	2560 to 2570	Pass
				-10	3.85	2560.528	2569.553	2560 to 2570	Pass
				0	3.85	2560.500	2569.555	2560 to 2570	Pass
	10	3.85	2560.551	2569.528	2560 to 2570	Pass			
	30	3.85	2560.517	2569.552	2560 to 2570	Pass			
	40	3.85	2560.495	2569.581	2560 to 2570	Pass			
50	3.85	2560.523	2569.550	2560 to 2570	Pass				

7.1.3 B7_15MHz

Band: 7 / Bandwidth: 15MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	OBW (FL - FH) (MHz)		Limit	Verdict
		Size	Offset			FL	FH		
QPSK	2507.5	75	0	20	3.27	2500.749	2514.348	2500 to 2520	Pass
					3.85	2500.750	2514.367	2500 to 2520	Pass
					4.43	2500.758	2514.370	2500 to 2520	Pass
				-30	3.85	2500.752	2514.384	2500 to 2520	Pass
				-20	3.85	2500.750	2514.365	2500 to 2520	Pass
				-10	3.85	2500.741	2514.370	2500 to 2520	Pass
				0	3.85	2500.754	2514.381	2500 to 2520	Pass
				10	3.85	2500.769	2514.356	2500 to 2520	Pass
				30	3.85	2500.757	2514.364	2500 to 2520	Pass
				40	3.85	2500.753	2514.380	2500 to 2520	Pass
	50	3.85	2500.764	2514.366	2500 to 2520	Pass			
	2535	75	0	20	3.27	2528.219	2541.834	2520 to 2550	Pass
					3.85	2528.223	2541.857	2520 to 2550	Pass
					4.43	2528.220	2541.863	2520 to 2550	Pass
				-30	3.85	2528.233	2541.851	2520 to 2550	Pass
				-20	3.85	2528.229	2541.849	2520 to 2550	Pass
				-10	3.85	2528.243	2541.841	2520 to 2550	Pass
				0	3.85	2528.252	2541.849	2520 to 2550	Pass

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				10	3.85	2528.245	2541.845	2520 to 2550	Pass
				30	3.85	2528.235	2541.856	2520 to 2550	Pass
				40	3.85	2528.241	2541.845	2520 to 2550	Pass
				50	3.85	2528.227	2541.820	2520 to 2550	Pass
	2562.5	75	0	20	3.27	2555.754	2569.333	2550 to 2570	Pass
					3.85	2555.763	2569.340	2550 to 2570	Pass
					4.43	2555.764	2569.332	2550 to 2570	Pass
				-30	3.85	2555.762	2569.322	2550 to 2570	Pass
				-20	3.85	2555.749	2569.336	2550 to 2570	Pass
				-10	3.85	2555.756	2569.321	2550 to 2570	Pass
				0	3.85	2555.765	2569.348	2550 to 2570	Pass
				10	3.85	2555.755	2569.331	2550 to 2570	Pass
				30	3.85	2555.756	2569.339	2550 to 2570	Pass
				40	3.85	2555.758	2569.343	2550 to 2570	Pass
				50	3.85	2555.760	2569.340	2550 to 2570	Pass
16QAM	2507.5	75	0	20	3.27	2500.747	2514.340	2500 to 2520	Pass
					3.85	2500.775	2514.359	2500 to 2520	Pass
					4.43	2500.786	2514.382	2500 to 2520	Pass
				-30	3.85	2500.750	2514.388	2500 to 2520	Pass
				-20	3.85	2500.778	2514.322	2500 to 2520	Pass
				-10	3.85	2500.766	2514.346	2500 to 2520	Pass
				0	3.85	2500.746	2514.368	2500 to 2520	Pass
				10	3.85	2500.767	2514.342	2500 to 2520	Pass
				30	3.85	2500.775	2514.371	2500 to 2520	Pass
				40	3.85	2500.778	2514.367	2500 to 2520	Pass
				50	3.85	2500.748	2514.369	2500 to 2520	Pass
	2535	75	0	20	3.27	2528.229	2541.834	2520 to 2550	Pass
					3.85	2528.241	2541.844	2520 to 2550	Pass
					4.43	2528.245	2541.865	2520 to 2550	Pass
				-30	3.85	2528.251	2541.847	2520 to 2550	Pass
				-20	3.85	2528.244	2541.839	2520 to 2550	Pass
				-10	3.85	2528.240	2541.848	2520 to 2550	Pass
				0	3.85	2528.233	2541.857	2520 to 2550	Pass
				10	3.85	2528.237	2541.825	2520 to 2550	Pass
				30	3.85	2528.247	2541.857	2520 to 2550	Pass
				40	3.85	2528.229	2541.878	2520 to 2550	Pass
				50	3.85	2528.228	2541.840	2520 to 2550	Pass
	2562.5	75	0	20	3.27	2555.736	2569.338	2550 to 2570	Pass
					3.85	2555.743	2569.342	2550 to 2570	Pass
					4.43	2555.691	2569.357	2550 to 2570	Pass
				-30	3.85	2555.728	2569.338	2550 to 2570	Pass
				-20	3.85	2555.712	2569.354	2550 to 2570	Pass
				-10	3.85	2555.735	2569.349	2550 to 2570	Pass
				0	3.85	2555.720	2569.352	2550 to 2570	Pass
				10	3.85	2555.730	2569.337	2550 to 2570	Pass
				30	3.85	2555.739	2569.342	2550 to 2570	Pass
				40	3.85	2555.753	2569.338	2550 to 2570	Pass
				50	3.85	2555.735	2569.348	2550 to 2570	Pass

7.1.4 B7_20MHz

Band: 7 / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	OBW (FL - FH) (MHz)		Limit	Verdict
		Size	Offset			FL	FH		
QPSK	2510	100	0	20	3.27	2501.018	2519.175	2500 to 2520	Pass
					3.85	2501.007	2519.158	2500 to 2520	Pass
					4.43	2501.020	2519.158	2500 to 2520	Pass
				-30	3.85	2501.022	2519.153	2500 to 2520	Pass



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				-20	3.85	2501.063	2519.171	2500 to 2520	Pass
				-10	3.85	2501.039	2519.134	2500 to 2520	Pass
				0	3.85	2501.037	2519.164	2500 to 2520	Pass
				10	3.85	2501.004	2519.171	2500 to 2520	Pass
				30	3.85	2501.013	2519.167	2500 to 2520	Pass
				40	3.85	2501.019	2519.165	2500 to 2520	Pass
				50	3.85	2501.017	2519.150	2500 to 2520	Pass
	2535	100	0	20	3.27	2525.978	2544.102	2520 to 2550	Pass
					3.85	2525.959	2544.122	2520 to 2550	Pass
					4.43	2525.964	2544.100	2520 to 2550	Pass
				-30	3.85	2525.968	2544.112	2520 to 2550	Pass
				-20	3.85	2525.962	2544.123	2520 to 2550	Pass
				-10	3.85	2525.926	2544.124	2520 to 2550	Pass
				0	3.85	2525.956	2544.132	2520 to 2550	Pass
				10	3.85	2525.994	2544.110	2520 to 2550	Pass
				30	3.85	2525.953	2544.100	2520 to 2550	Pass
				40	3.85	2525.986	2544.114	2520 to 2550	Pass
	50	3.85	2525.971	2544.104	2520 to 2550	Pass			
	2560	100	0	20	3.27	2551.013	2569.109	2550 to 2570	Pass
					3.85	2550.997	2569.128	2550 to 2570	Pass
					4.43	2551.003	2569.098	2550 to 2570	Pass
				-30	3.85	2550.977	2569.186	2550 to 2570	Pass
				-20	3.85	2550.988	2569.160	2550 to 2570	Pass
				-10	3.85	2551.012	2569.142	2550 to 2570	Pass
				0	3.85	2551.016	2569.200	2550 to 2570	Pass
				10	3.85	2551.013	2569.110	2550 to 2570	Pass
				30	3.85	2551.008	2569.212	2550 to 2570	Pass
				40	3.85	2551.014	2569.126	2550 to 2570	Pass
	50	3.85	2551.009	2569.099	2550 to 2570	Pass			
	16QAM	2510	100	0	20	3.27	2500.998	2519.191	2500 to 2520
3.85						2501.033	2519.167	2500 to 2520	Pass
4.43						2501.031	2519.248	2500 to 2520	Pass
-30					3.85	2501.006	2519.239	2500 to 2520	Pass
-20					3.85	2501.032	2519.169	2500 to 2520	Pass
-10					3.85	2500.997	2519.242	2500 to 2520	Pass
0					3.85	2501.012	2519.157	2500 to 2520	Pass
10					3.85	2501.003	2519.222	2500 to 2520	Pass
30					3.85	2501.018	2519.168	2500 to 2520	Pass
40					3.85	2501.008	2519.194	2500 to 2520	Pass
50		3.85	2501.018	2519.218	2500 to 2520	Pass			
2535		100	0	20	3.27	2525.999	2544.116	2520 to 2550	Pass
					3.85	2526.002	2544.127	2520 to 2550	Pass
					4.43	2525.992	2544.127	2520 to 2550	Pass
				-30	3.85	2526.020	2544.159	2520 to 2550	Pass
				-20	3.85	2525.995	2544.107	2520 to 2550	Pass
				-10	3.85	2526.011	2544.109	2520 to 2550	Pass
				0	3.85	2526.002	2544.132	2520 to 2550	Pass
				10	3.85	2525.978	2544.132	2520 to 2550	Pass
				30	3.85	2525.988	2544.118	2520 to 2550	Pass
				40	3.85	2526.018	2544.119	2520 to 2550	Pass
50		3.85	2526.003	2544.131	2520 to 2550	Pass			
2560		100	0	20	3.27	2550.996	2569.109	2550 to 2570	Pass
					3.85	2551.011	2569.110	2550 to 2570	Pass
					4.43	2550.964	2569.091	2550 to 2570	Pass
				-30	3.85	2550.982	2569.116	2550 to 2570	Pass
				-20	3.85	2550.995	2569.094	2550 to 2570	Pass
				-10	3.85	2550.988	2569.132	2550 to 2570	Pass
				0	3.85	2550.999	2569.115	2550 to 2570	Pass
				10	3.85	2550.971	2569.076	2550 to 2570	Pass



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				30	3.85	2550.962	2569.100	2550 to 2570	Pass
				40	3.85	2550.965	2569.116	2550 to 2570	Pass
				50	3.85	2550.979	2569.113	2550 to 2570	Pass

8. Form731

8.1 Test Result

8.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
7	5	2502.5	2567.5	0.1406	99.0000	ppm	4M56G7D	27M	21.48
7	5	2502.5	2567.5	0.1312	99.0000	ppm	4M56W7D	27M	21.18
7	10	2505	2565	0.1416	99.0000	ppm	9M07G7D	27M	21.51
7	10	2505	2565	0.1334	99.0000	ppm	9M08W7D	27M	21.25
7	15	2507.5	2562.5	0.1400	99.0000	ppm	13M6G7D	27M	21.46
7	15	2507.5	2562.5	0.1393	99.0000	ppm	13M6W7D	27M	21.44
7	20	2510	2560	0.0887	99.0000	ppm	18M2G7D	27M	19.48
7	20	2510	2560	0.0955	99.0000	ppm	18M2W7D	27M	19.80

8.1.2 Form731_EIRP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
7	5	2502.5	2567.5	0.1914	99.0000	ppm	4M56G7D	27M	22.82
7	5	2502.5	2567.5	0.1786	99.0000	ppm	4M56W7D	27M	22.52
7	10	2505	2565	0.1928	99.0000	ppm	9M07G7D	27M	22.85
7	10	2505	2565	0.1816	99.0000	ppm	9M08W7D	27M	22.59
7	15	2507.5	2562.5	0.1905	99.0000	ppm	13M6G7D	27M	22.80
7	15	2507.5	2562.5	0.1897	99.0000	ppm	13M6W7D	27M	22.78
7	20	2510	2560	0.1208	99.0000	ppm	18M2G7D	27M	20.82
7	20	2510	2560	0.1300	99.0000	ppm	18M2W7D	27M	21.14