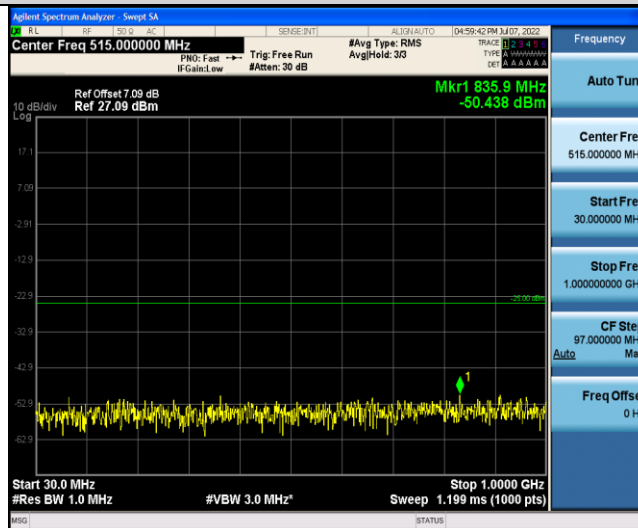
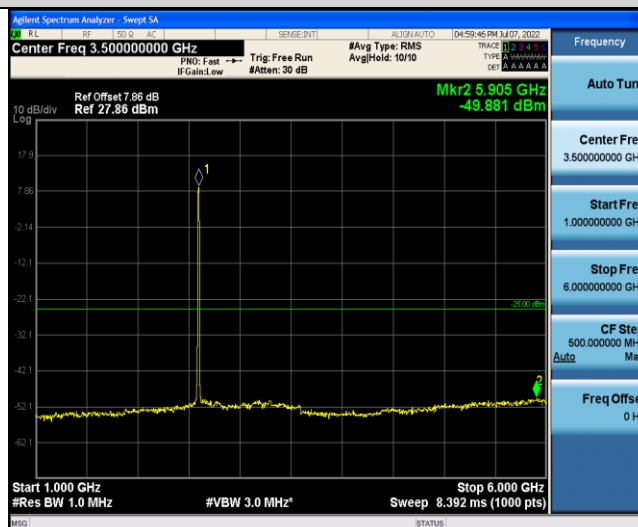




Band38-10MHz-16QAM-38000-50RB#0-Range1:30~1000MHz



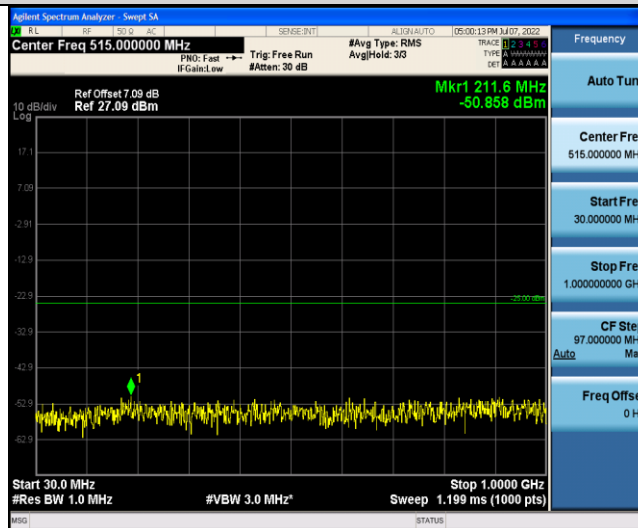
Band38-10MHz-16QAM-38000-50RB#0-Range2:1000~6000MHz



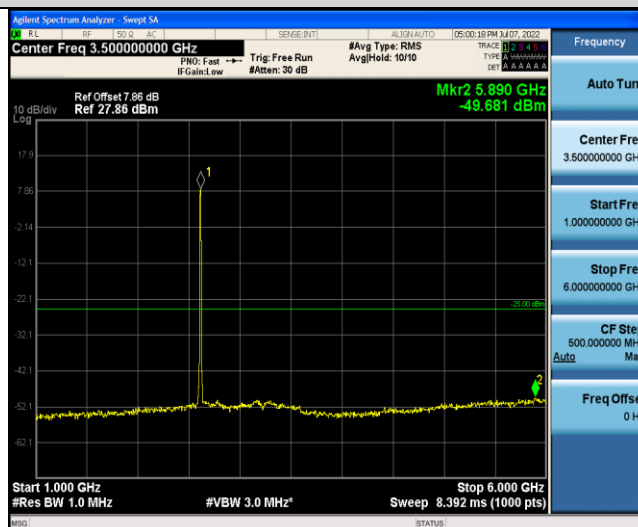
Band38-10MHz-16QAM-38000-50RB#0-Range3:6000~27000MHz



Band38-10MHz-16QAM-38200-50RB#0-Range1:30~1000MHz



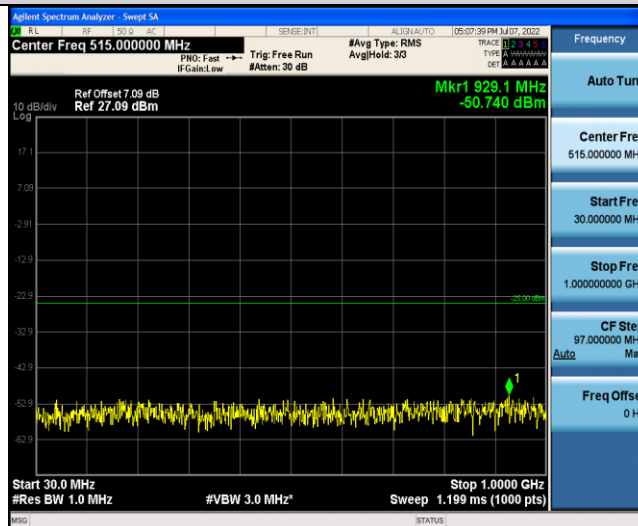
Band38-10MHz-16QAM-38200-50RB#0-Range2:1000~6000MHz



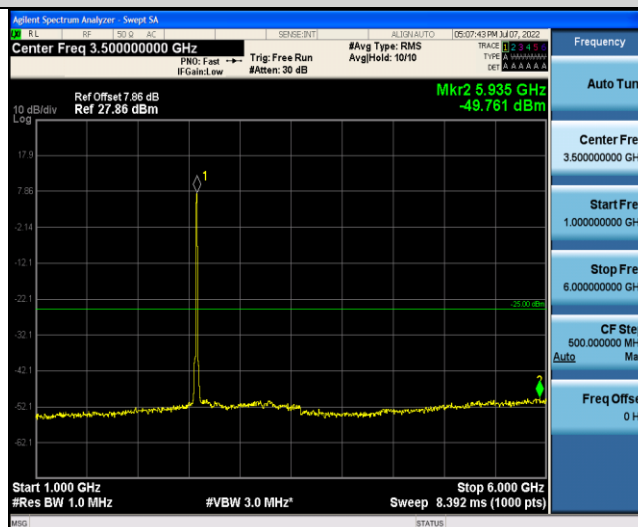
Band38-10MHz-16QAM-38200-50RB#0-Range3:6000~27000MHz



Band38-15MHz-QPSK-37825-75RB#0-Range1:30~1000MHz



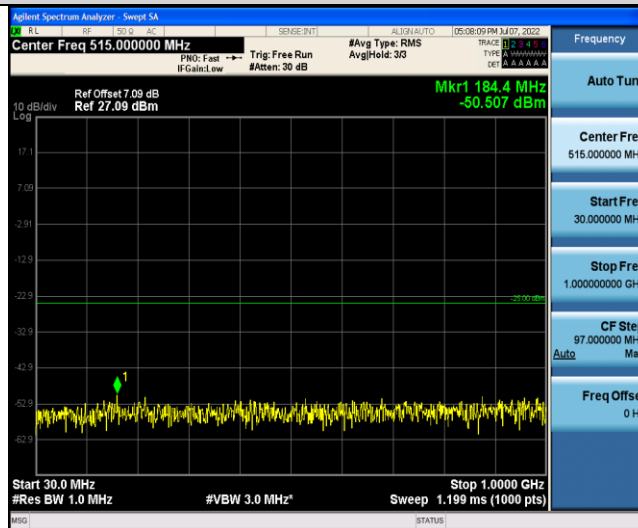
Band38-15MHz-QPSK-37825-75RB#0-Range2:1000~6000MHz



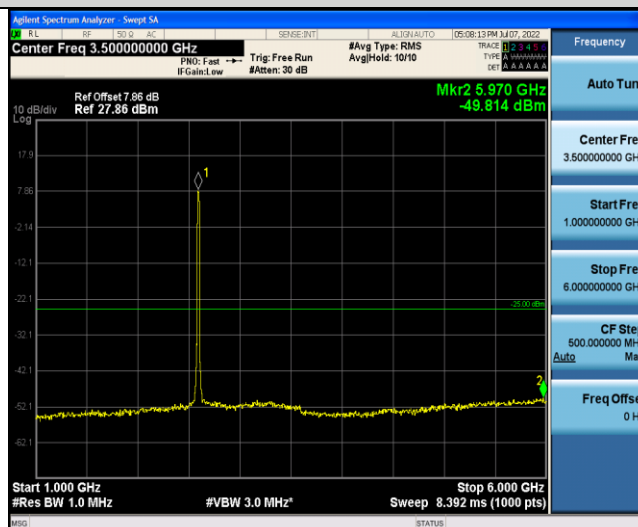
Band38-15MHz-QPSK-37825-75RB#0-Range3:6000~27000MHz



Band38-15MHz-QPSK-38000-75RB#0-Range1:30~1000MHz



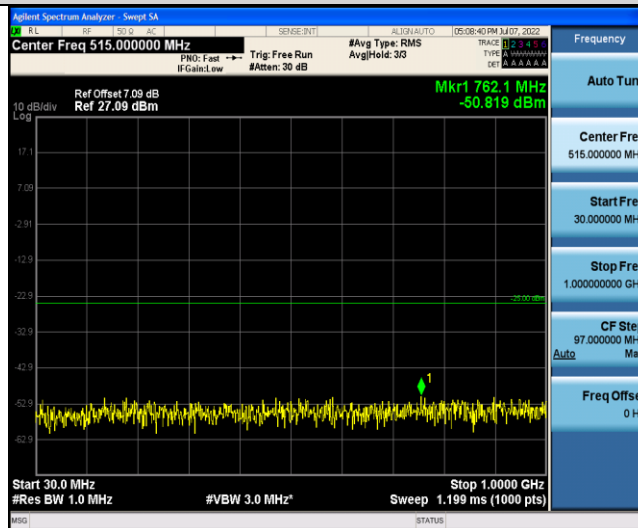
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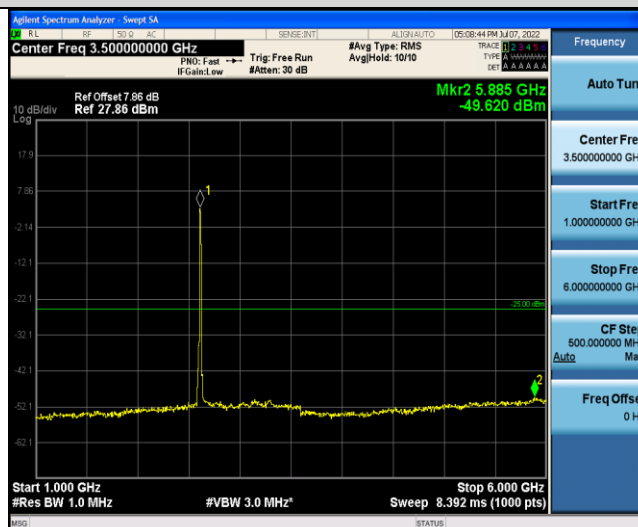
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Band38-15MHz-QPSK-38175-75RB#0-Range1:30~1000MHz



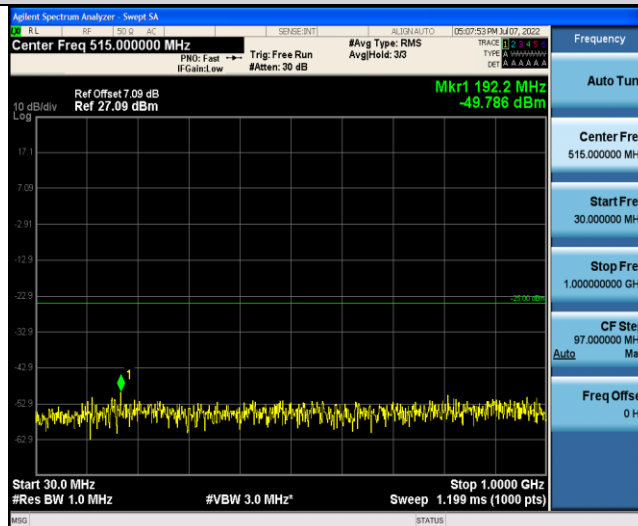
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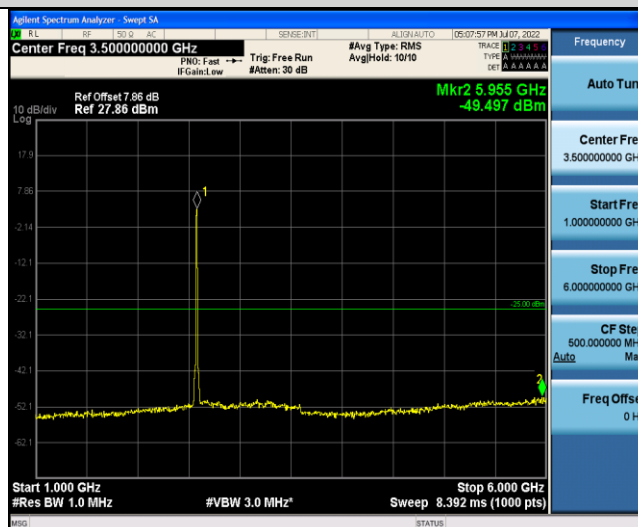
Band38-15MHz-QPSK-38175-75RB#0-Range3:6000~27000MHz



Band38-15MHz-16QAM-37825-75RB#0-Range1:30~1000MHz



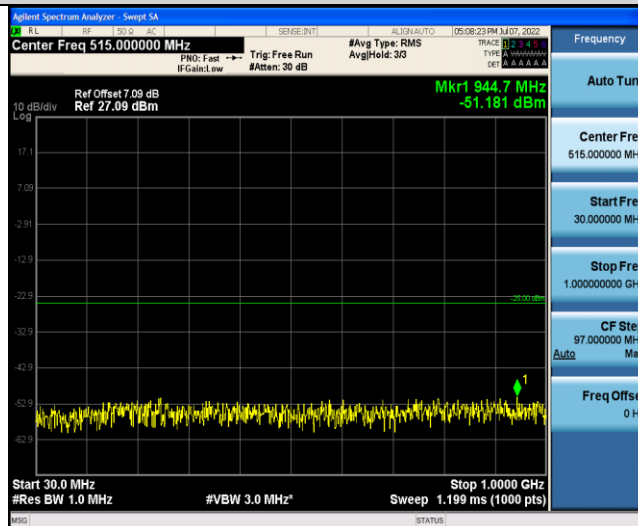
Band38-15MHz-16QAM-37825-75RB#0-Range2:1000~6000MHz



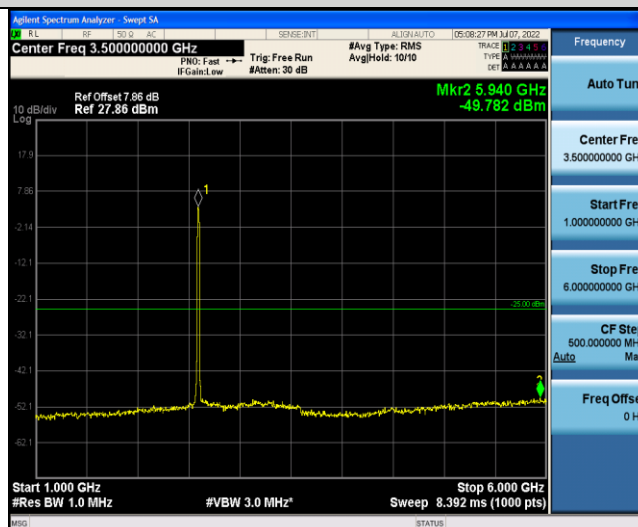
Band38-15MHz-16QAM-37825-75RB#0-Range3:6000~27000MHz



Band38-15MHz-16QAM-38000-75RB#0-Range1:30~1000MHz



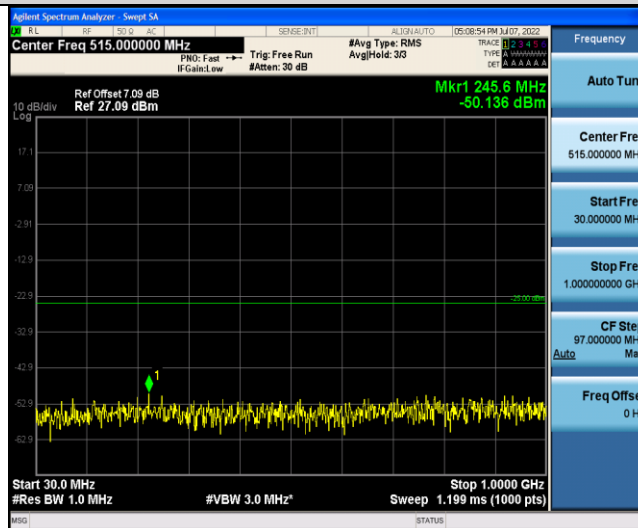
Band38-15MHz-16QAM-38000-75RB#0-Range2:1000~6000MHz



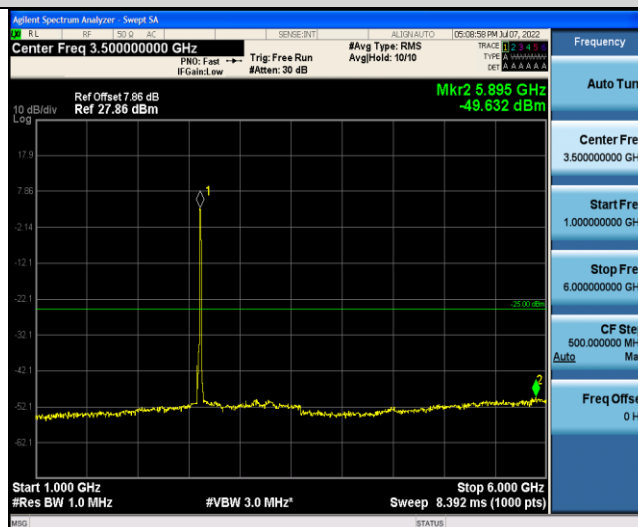
Band38-15MHz-16QAM-38000-75RB#0-Range3:6000~27000MHz



Band38-15MHz-16QAM-38175-75RB#0-Range1:30~1000MHz



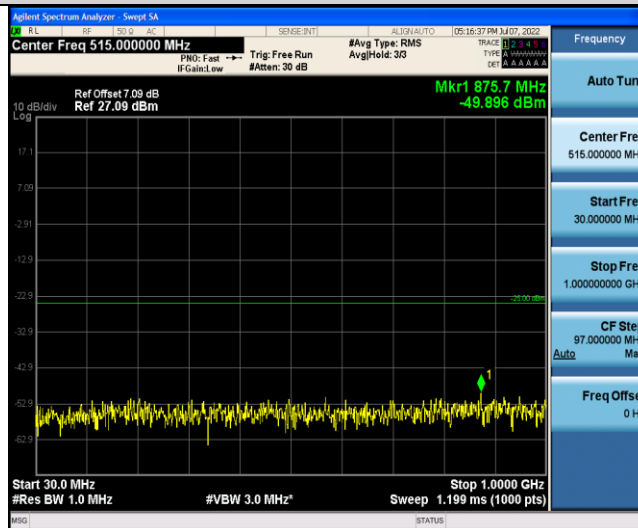
Band38-15MHz-16QAM-38175-75RB#0-Range2:1000~6000MHz



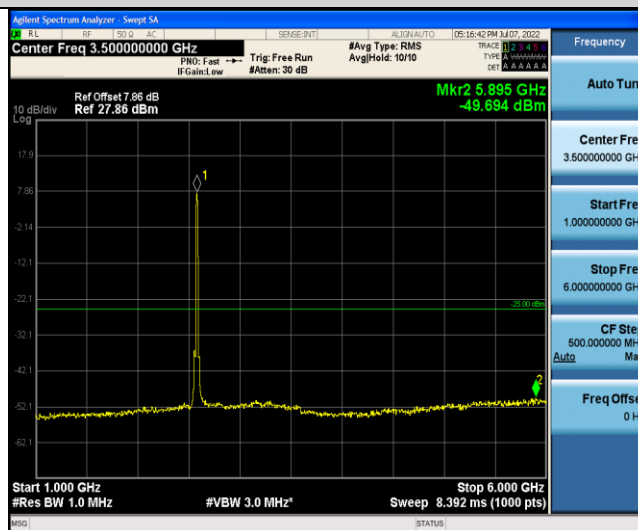
Band38-15MHz-16QAM-38175-75RB#0-Range3:6000~27000MHz



Band38-20MHz-QPSK-37850-100RB#0-Range1:30~1000MHz



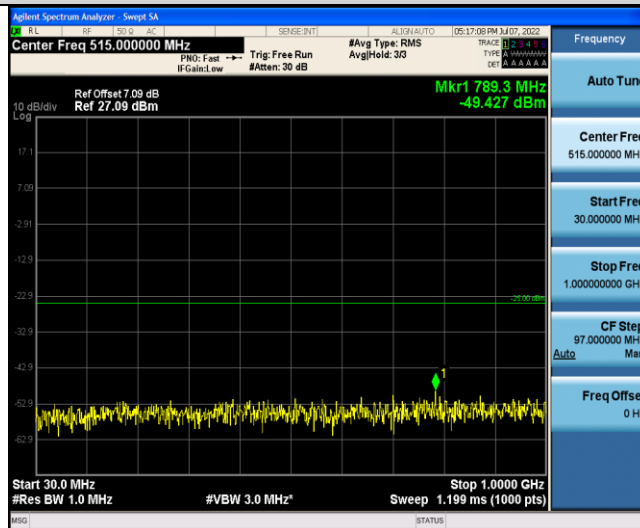
Band38-20MHz-QPSK-37850-100RB#0-Range2:1000~6000MHz



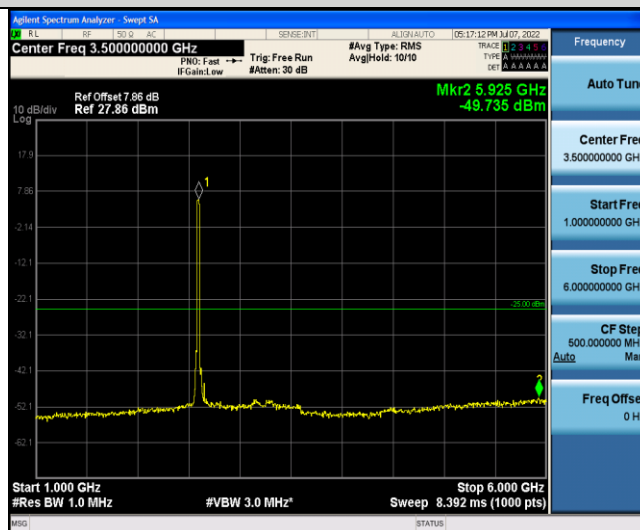
Band38-20MHz-QPSK-37850-100RB#0-Range3:6000~27000MHz



Band38-20MHz-QPSK-38000-100RB#0-Range1:30~1000MHz



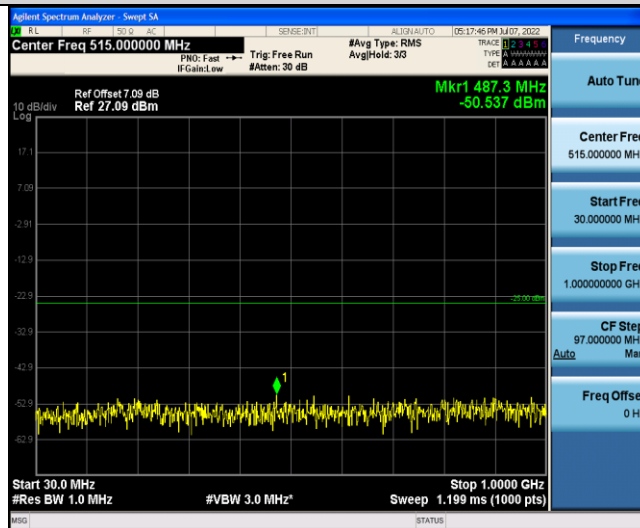
Band38-20MHz-QPSK-38000-100RB#0-Range2:1000~6000MHz



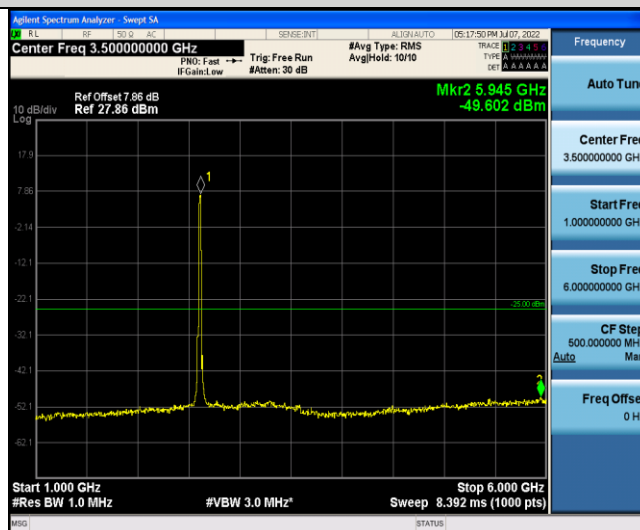
Band38-20MHz-QPSK-38000-100RB#0-Range3:6000~27000MHz



Band38-20MHz-QPSK-38150-100RB#0-Range1:30~1000MHz



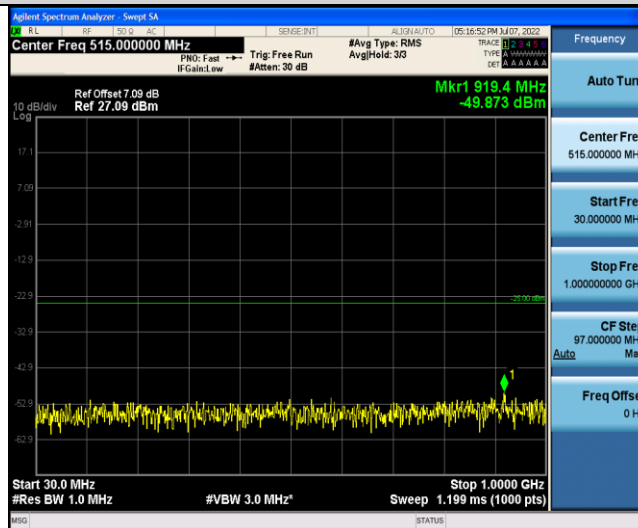
Band38-20MHz-QPSK-38150-100RB#0-Range2:1000~6000MHz



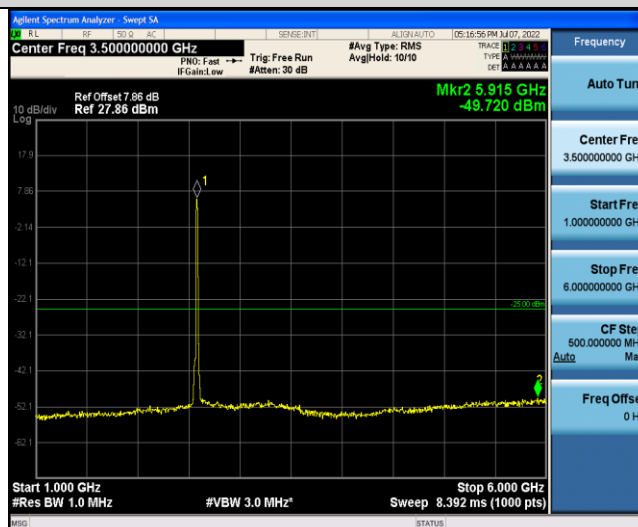
Band38-20MHz-QPSK-38150-100RB#0-Range3:6000~27000MHz



Band38-20MHz-16QAM-37850-100RB#0-Range1:30~1000MHz



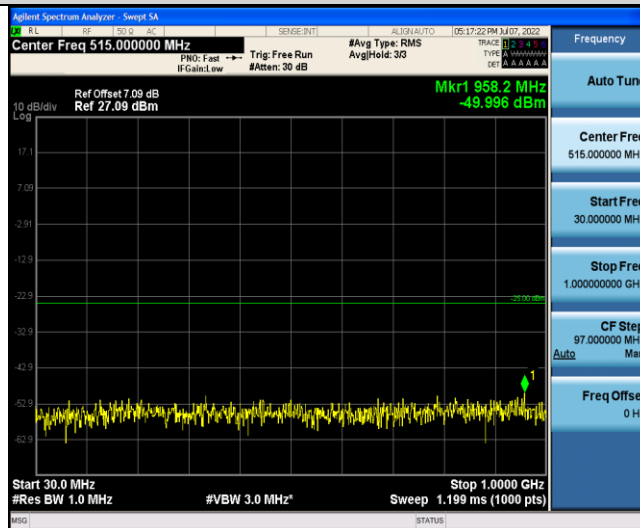
Band38-20MHz-16QAM-37850-100RB#0-Range2:1000~6000MHz



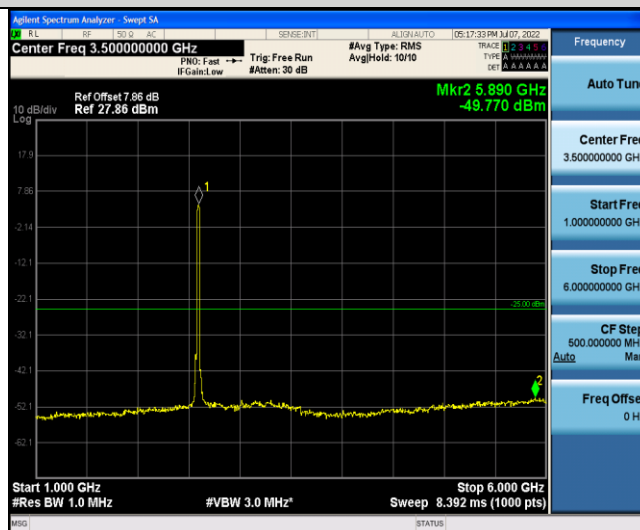
Band38-20MHz-16QAM-37850-100RB#0-Range3:6000~27000MHz



Band38-20MHz-16QAM-38000-100RB#0-Range1:30~1000MHz



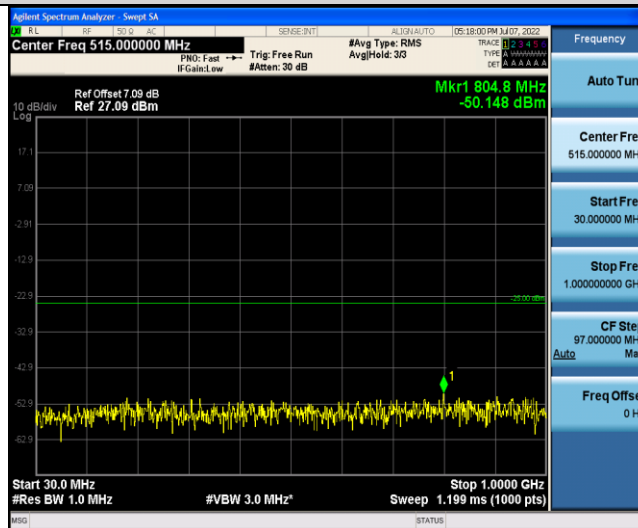
Band38-20MHz-16QAM-38000-100RB#0-Range2:1000~6000MHz



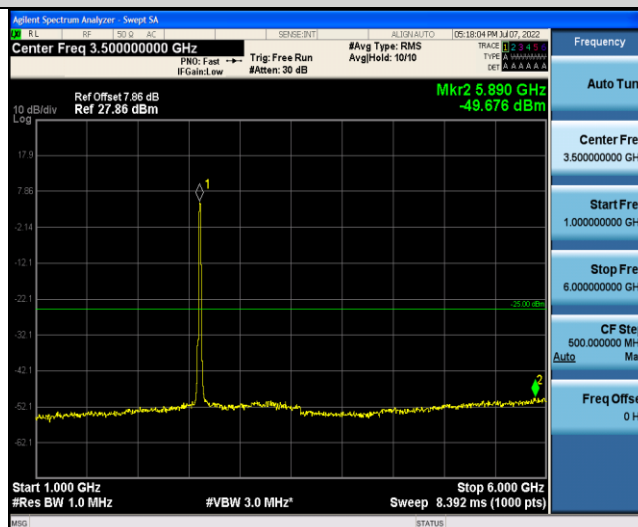
Band38-20MHz-16QAM-38000-100RB#0-Range3:6000~27000MHz



Band38-20MHz-16QAM-38150-100RB#0-Range1:30~1000MHz



Band38-20MHz-16QAM-38150-100RB#0-Range2:1000~6000MHz



Band38-20MHz-16QAM-38150-100RB#0-Range3:6000~27000MHz



Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band3 8	5MHz	QPSK	37775	25RB#0	VL	NT	-10.07	-0.003914	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	VN	NT	-12.16	-0.004727	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	VH	NT	-10.96	-0.004260	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	VL	NT	-12.52	-0.004825	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	VN	NT	-13.53	-0.005214	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	VH	NT	-8.73	-0.003364	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	VL	NT	-15.18	-0.005799	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	VN	NT	-9.84	-0.003759	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	VH	NT	-13.15	-0.005024	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	VL	NT	-9.14	-0.003553	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	VN	NT	-11.44	-0.004447	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	VH	NT	-5.06	-0.001967	±2.5	PASS
Band3 8	5MHz	16QAM	38000	25RB#0	VL	NT	-10.07	-0.003881	±2.5	PASS
Band3 8	5MHz	16QAM	38000	25RB#0	VN	NT	-13.06	-0.005033	±2.5	PASS
Band3 8	5MHz	16QAM	38000	25RB#0	VH	NT	-9.96	-0.003838	±2.5	PASS
Band3	5MHz	16QAM	38225	25RB#0	VL	NT	-14.35	-0.005482	±2.5	PASS

8										
Band3 8	5MHz	16QAM	38225	25RB#0	VN	NT	-9.27	-0.003542	±2.5	PASS
Band3 8	5MHz	16QAM	38225	25RB#0	VH	NT	-11.83	-0.004520	±2.5	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	VL	NT	-5.89	-0.002287	±2.5	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	VN	NT	-9.10	-0.003534	±2.5	PASS
Band3 8	10MHz	QPSK	37800	50RB#0	VH	NT	-4.12	-0.001600	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	VL	NT	-6.95	-0.002678	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	VN	NT	-12.59	-0.004852	±2.5	PASS
Band3 8	10MHz	QPSK	38000	50RB#0	VH	NT	-11.20	-0.004316	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	VL	NT	5.89	0.002252	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	VN	NT	4.72	0.001805	±2.5	PASS
Band3 8	10MHz	QPSK	38200	50RB#0	VH	NT	-3.93	-0.001503	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	VL	NT	-7.08	-0.002750	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	VN	NT	-7.71	-0.002994	±2.5	PASS
Band3 8	10MHz	16QAM	37800	50RB#0	VH	NT	-7.88	-0.003060	±2.5	PASS
Band3 8	10MHz	16QAM	38000	50RB#0	VL	NT	-13.00	-0.005010	±2.5	PASS
Band3 8	10MHz	16QAM	38000	50RB#0	VN	NT	-7.40	-0.002852	±2.5	PASS
Band3 8	10MHz	16QAM	38000	50RB#0	VH	NT	-11.93	-0.004597	±2.5	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	VL	NT	-6.15	-0.002352	±2.5	PASS

Band3 8	10MHz	16QAM	38200	50RB#0	VN	NT	-4.63	-0.001771	±2.5	PASS
Band3 8	10MHz	16QAM	38200	50RB#0	VH	NT	-6.37	-0.002436	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	VL	NT	5.44	0.002111	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	VN	NT	-3.98	-0.001544	±2.5	PASS
Band3 8	15MHz	QPSK	37825	75RB#0	VH	NT	6.15	0.002386	±2.5	PASS
Band3 8	15MHz	QPSK	38000	75RB#0	VL	NT	-6.61	-0.002547	±2.5	PASS
Band3 8	15MHz	QPSK	38000	75RB#0	VN	NT	-9.63	-0.003711	±2.5	PASS
Band3 8	15MHz	QPSK	38000	75RB#0	VH	NT	-12.67	-0.004882	±2.5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	VL	NT	-4.58	-0.001753	±2.5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	VN	NT	-6.59	-0.002522	±2.5	PASS
Band3 8	15MHz	QPSK	38175	75RB#0	VH	NT	-8.43	-0.003227	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	VL	NT	-4.99	-0.001936	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	VN	NT	6.28	0.002436	±2.5	PASS
Band3 8	15MHz	16QAM	37825	75RB#0	VH	NT	5.25	0.002037	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	VL	NT	-11.26	-0.004339	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	VN	NT	-12.26	-0.004724	±2.5	PASS
Band3 8	15MHz	16QAM	38000	75RB#0	VH	NT	-13.06	-0.005033	±2.5	PASS
Band3 8	15MHz	16QAM	38175	75RB#0	VL	NT	3.83	0.001466	±2.5	PASS
Band3	15MHz	16QAM	38175	75RB#0	VN	NT	-8.98	-0.003437	±2.5	PASS

8										
Band3 8	15MHz	16QAM	38175	75RB#0	VH	NT	-4.86	-0.001860	±2.5	PASS
Band3 8	20MHz	QPSK	37850	100RB#0	VL	NT	-14.02	-0.005434	±2.5	PASS
Band3 8	20MHz	QPSK	37850	100RB#0	VN	NT	-11.76	-0.004558	±2.5	PASS
Band3 8	20MHz	QPSK	37850	100RB#0	VH	NT	-9.40	-0.003643	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	VL	NT	-12.87	-0.004960	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	VN	NT	-9.84	-0.003792	±2.5	PASS
Band3 8	20MHz	QPSK	38000	100RB#0	VH	NT	-10.91	-0.004204	±2.5	PASS
Band3 8	20MHz	QPSK	38150	100RB#0	VL	NT	-6.97	-0.002670	±2.5	PASS
Band3 8	20MHz	QPSK	38150	100RB#0	VN	NT	-12.87	-0.004931	±2.5	PASS
Band3 8	20MHz	QPSK	38150	100RB#0	VH	NT	-8.57	-0.003284	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	VL	NT	-9.04	-0.003504	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	VN	NT	-8.44	-0.003271	±2.5	PASS
Band3 8	20MHz	16QAM	37850	100RB#0	VH	NT	-11.27	-0.004368	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	VL	NT	-8.87	-0.003418	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	VN	NT	-9.90	-0.003815	±2.5	PASS
Band3 8	20MHz	16QAM	38000	100RB#0	VH	NT	-11.40	-0.004393	±2.5	PASS
Band3 8	20MHz	16QAM	38150	100RB#0	VL	NT	-10.63	-0.004073	±2.5	PASS
Band3 8	20MHz	16QAM	38150	100RB#0	VN	NT	-12.40	-0.004751	±2.5	PASS

Band3 8	20MHz	16QAM	38150	100RB#0	VH	NT	-11.07	-0.004241	±2.5	PASS
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Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band3 8	5MHz	QPSK	37775	25RB#0	NV	-30	-9.04	-0.003514	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	-20	-11.00	-0.004276	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	-10	-9.91	-0.003852	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	0	-10.37	-0.004031	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	10	-11.80	-0.004587	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	20	-11.62	-0.004517	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	30	-10.89	-0.004233	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	40	-10.46	-0.004066	±2.5	PASS
Band3 8	5MHz	QPSK	37775	25RB#0	NV	50	-12.47	-0.004847	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	-30	-4.98	-0.001919	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	-20	-6.15	-0.002370	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	-10	-10.01	-0.003857	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	0	-4.11	-0.001584	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	10	-11.47	-0.004420	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	20	-11.19	-0.004312	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	30	-12.46	-0.004802	±2.5	PASS

8										
Band3 8	5MHz	QPSK	38000	25RB#0	NV	40	-6.57	-0.002532	±2.5	PASS
Band3 8	5MHz	QPSK	38000	25RB#0	NV	50	-13.02	-0.005017	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	-30	-11.84	-0.004523	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	-20	-14.35	-0.005482	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	-10	-13.48	-0.005150	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	0	-13.99	-0.005345	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	10	-8.68	-0.003316	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	20	-11.22	-0.004287	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	30	-11.47	-0.004382	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	40	-9.73	-0.003717	±2.5	PASS
Band3 8	5MHz	QPSK	38225	25RB#0	NV	50	-12.90	-0.004928	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	-30	-11.50	-0.004470	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	-20	-11.66	-0.004533	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	-10	-8.04	-0.003125	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	0	-10.57	-0.004109	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	10	-5.45	-0.002119	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	20	-9.18	-0.003569	±2.5	PASS
Band3 8	5MHz	16QAM	37775	25RB#0	NV	30	-11.07	-0.004303	±2.5	PASS