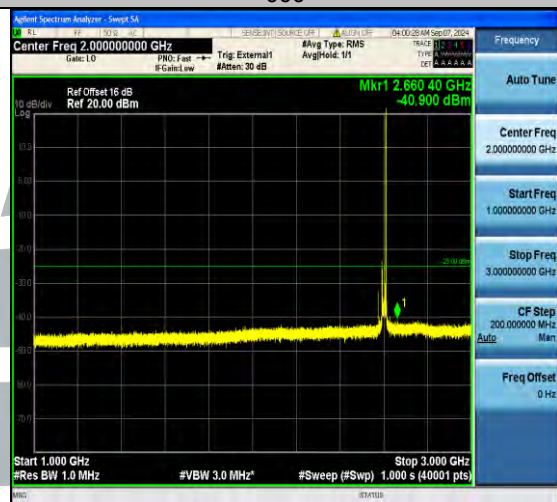




Band41_20MHz_16QAM_40690_1RB#99_1000~3000_1000~3000



Band41_20MHz_16QAM_40690_1RB#99_3000~18000_3000~18000



Band41_20MHz_16QAM_40690_1RB#99_18000~27000_18000~27000



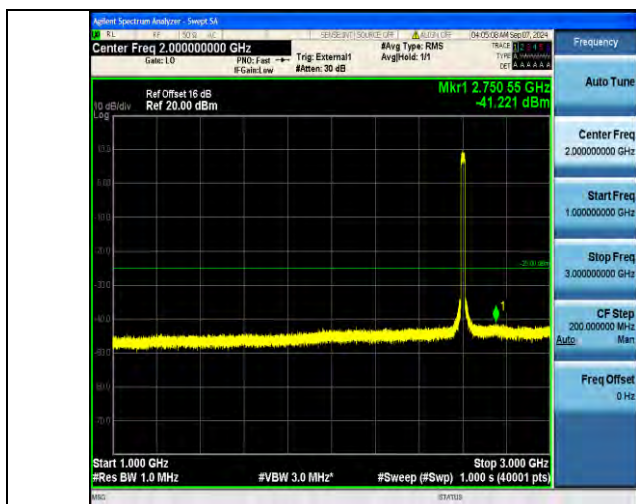
Band41_20MHz_16QAM_40690_100RB#0_30~1000_30~1000



Band41_20MHz_16QAM_40690_100RB#0_1000~3000_1000~3000



Band41_20MHz_16QAM_40690_100RB#0_3000~18000_3000~18000



Band41_20MHz_16QAM_40690_100RB#0_18000~27000_18000~27000



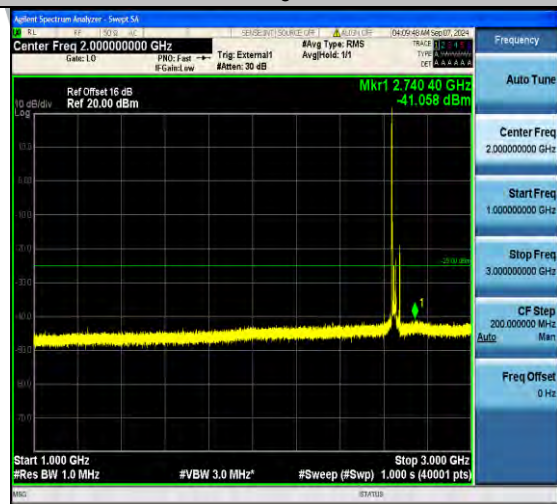
Band41_20MHz_16QAM_41140_1RB#0_30~1000_30~1000



Band41_20MHz_16QAM_41140_1RB#0_1000~3000_1000~3000



Band41_20MHz_16QAM_41140_1RB#0_3000~18000_3000~18000



Band41_20MHz_16QAM_41140_1RB#0_18000~27000_18000~27000



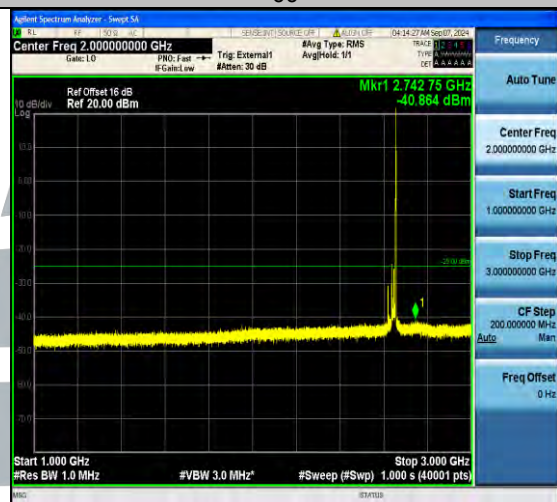
Band41_20MHz_16QAM_41140_1RB#99_30~1000_30~1000



Band41_20MHz_16QAM_41140_1RB#99_1000~3000_1000~3000



Band41_20MHz_16QAM_41140_1RB#99_3000~18000_3000~18000



Band41_20MHz_16QAM_41140_1RB#99_18000~27000_18000~27000



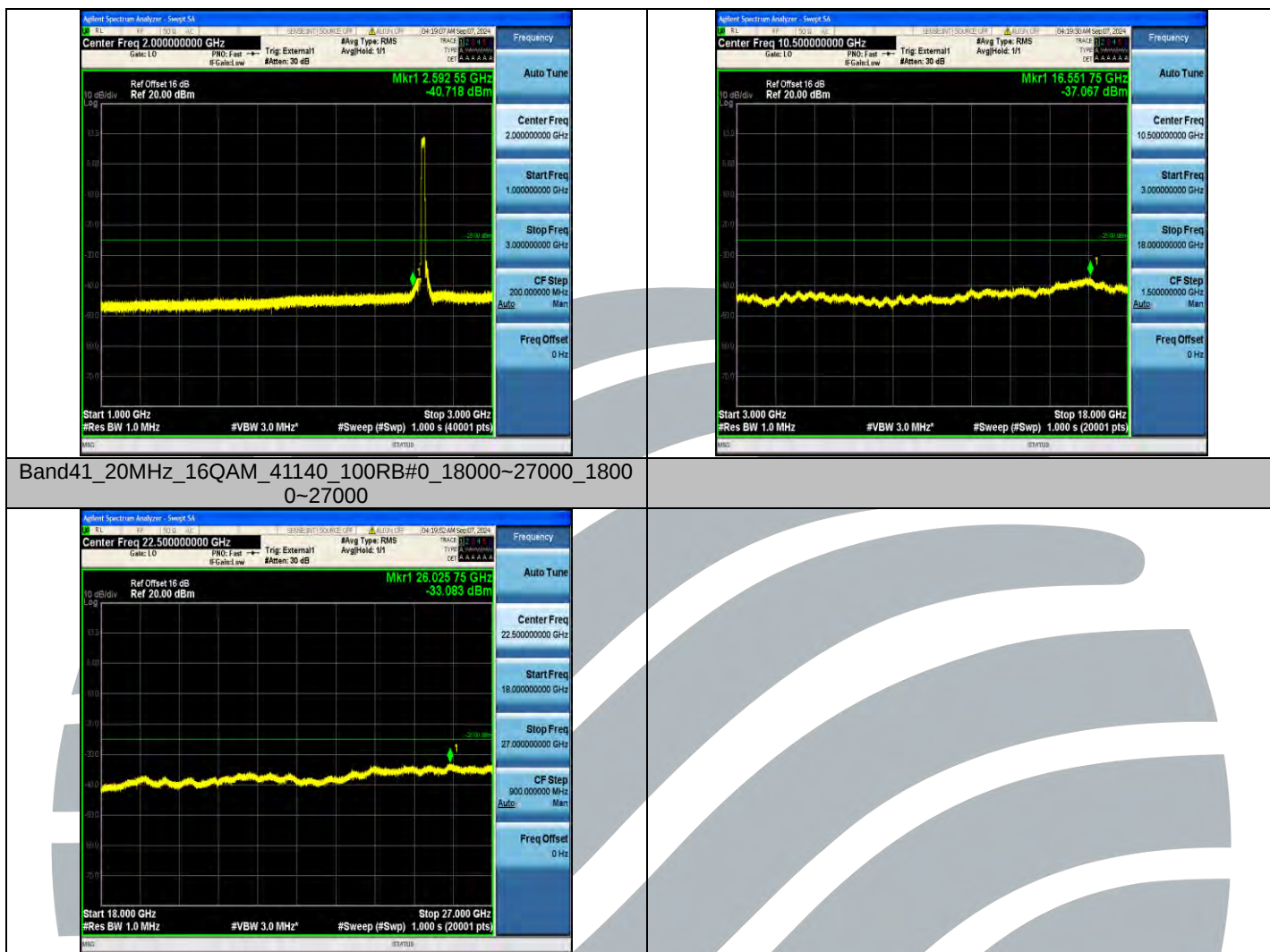
Band41_20MHz_16QAM_41140_100RB#0_30~1000_30~1000



Band41_20MHz_16QAM_41140_100RB#0_1000~3000_1000~3000



Band41_20MHz_16QAM_41140_100RB#0_3000~18000_3000~18000



APPENDIX A5: FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Ch.	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	VN	NT	-5510.00	-2.930851	NA	PASS
Band2	20MHz	QPSK	18900	100RB#0	VL	NT	-4580.00	-2.436170	NA	PASS
Band2	20MHz	QPSK	18900	100RB#0	VH	NT	-5740.00	-3.053191	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	VN	NT	6750.00	3.896104	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	VL	NT	4750.00	2.741703	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	VH	NT	3850.00	2.222222	NA	PASS
Band5	10MHz	QPSK	20525	50RB#0	VN	NT	-8.47	-0.010126	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VL	NT	-10.87	-0.012995	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	VH	NT	-7.58	-0.009062	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	VN	NT	2980.00	1.175542	NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	VL	NT	1970.00	0.777120	NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	VH	NT	2440.00	0.962525	NA	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	VN	NT	-9.48	-0.011575	±2.5	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	VL	NT	-8.24	-0.010061	±2.5	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	VH	NT	-10.67	-0.013028	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	VN	NT	-10.89	-0.013019	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	VL	NT	-9.75	-0.011656	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	VH	NT	-12.47	-0.014907	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	4170.00	1.606936	NA	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	1640.00	0.631985	NA	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	2570.00	0.990366	NA	PASS
Band41 (2555-2655)	20MHz	QPSK	40690	100RB#0	VN	NT	2420.00	0.930769	NA	PASS
Band41 (2555-2655)	20MHz	QPSK	40690	100RB#0	VL	NT	1940.00	0.746154	NA	PASS
Band41 (2555-2655)	20MHz	QPSK	40690	100RB#0	VH	NT	2040.00	0.784615	NA	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band2	20MHz	QPSK	18900	100RB#0	NV	-30	-12980.00	-6.904255	NA	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-20	-8190.00	-4.356383	NA	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	-10	-8740.00	-4.648936	NA	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	0	-7100.00	-3.776596	NA	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	10	-16150.00	-8.590426	NA	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	20	-15510.00	-8.250000	NA	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	30	-19800.00	-10.531915	NA	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	40	-13080.00	-6.957447	NA	PASS
Band2	20MHz	QPSK	18900	100RB#0	NV	50	-9520.00	-5.063830	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-30	2170.00	1.252525	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-20	8070.00	4.658009	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	-10	8640.00	4.987013	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	0	8270.00	4.773449	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	10	4620.00	2.666667	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	20	6750.00	3.896104	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	30	1860.00	1.073593	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	40	3610.00	2.083694	NA	PASS
Band4	20MHz	QPSK	20175	100RB#0	NV	50	2390.00	1.379509	NA	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-30	-11.73	-0.014023	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	-20	-9.97	-0.011919	±2.5	PASS

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Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band5	10MHz	QPSK	20525	50RB#0	NV	-10	-11.21	-0.013401	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	0	-5.80	-0.006934	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	10	-11.12	-0.013293	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	20	-6.80	-0.008129	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	30	1.31	0.001566	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	40	-7.50	-0.008966	±2.5	PASS
Band5	10MHz	QPSK	20525	50RB#0	NV	50	-8.57	-0.010245	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	6280.00	2.477318	NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	0460.00	0.181460	NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	3340.00	1.317554	NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	7980.00	3.147929	NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	7790.00	3.072978	NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	2980.00	1.175542	NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	5460.00	2.153846	NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	7890.00	3.112426	NA	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	6600.00	2.603550	NA	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	-30	-13.40	-0.016361	±2.5	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	-20	-10.46	-0.012772	±2.5	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	-10	-9.66	-0.011795	±2.5	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	0	-8.30	-0.010134	±2.5	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	10	-12.10	-0.014774	±2.5	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	20	-9.48	-0.011575	±2.5	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	30	-11.44	-0.013968	±2.5	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	40	-8.04	-0.009817	±2.5	PASS
Band26 (814-824)	10MHz	QPSK	26740	50RB#0	NV	50	-10.69	-0.013053	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	NV	-30	-9.12	-0.010903	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	NV	-20	-10.45	-0.012493	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	NV	-10	-10.47	-0.012516	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	NV	0	-8.63	-0.010317	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	NV	10	-11.77	-0.014071	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	NV	20	-6.11	-0.007304	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	NV	30	-13.85	-0.016557	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	NV	40	-7.01	-0.008380	±2.5	PASS
Band26 (824-849)	15MHz	QPSK	26915	75RB#0	NV	50	-6.22	-0.007436	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	3510.00	1.352601	NA	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	3150.00	1.213873	NA	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	3960.00	1.526012	NA	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	3810.00	1.468208	NA	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	3790.00	1.460501	NA	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	4170.00	1.606936	NA	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	3830.00	1.475915	NA	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	3740.00	1.441233	NA	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	4070.00	1.568401	NA	PASS
Band41(2 555-2655)	20MHz	QPSK	40690	100RB#0	NV	-30	2690.00	1.034615	NA	PASS
Band41(2 555-2655)	20MHz	QPSK	40690	100RB#0	NV	-20	2020.00	0.776923	NA	PASS
Band41(2 555-2655)	20MHz	QPSK	40690	100RB#0	NV	-10	1580.00	0.607692	NA	PASS

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Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temp. (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
555-2655)										
Band41(2 555-2655)	20MHz	QPSK	40690	100RB#0	NV	0	2250.00	0.865385	NA	PASS
Band41(2 555-2655)	20MHz	QPSK	40690	100RB#0	NV	10	1980.00	0.761538	NA	PASS
Band41(2 555-2655)	20MHz	QPSK	40690	100RB#0	NV	20	2420.00	0.930769	NA	PASS
Band41(2 555-2655)	20MHz	QPSK	40690	100RB#0	NV	30	2320.00	0.892308	NA	PASS
Band41(2 555-2655)	20MHz	QPSK	40690	100RB#0	NV	40	2250.00	0.865385	NA	PASS
Band41(2 555-2655)	20MHz	QPSK	40690	100RB#0	NV	50	1970.00	0.757692	NA	PASS

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