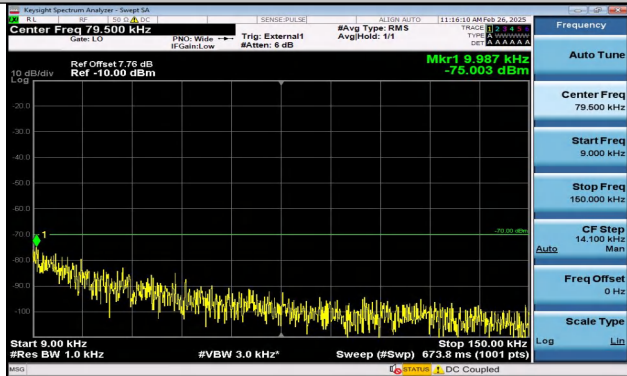
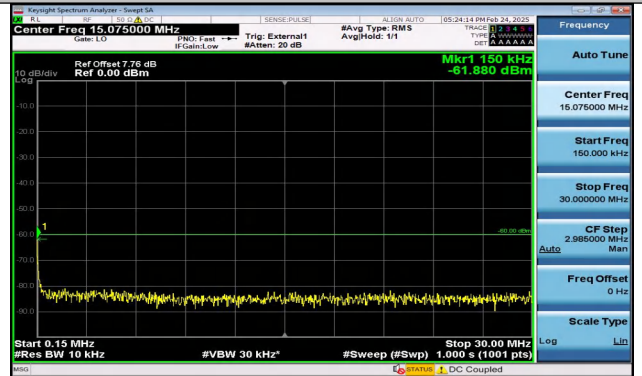




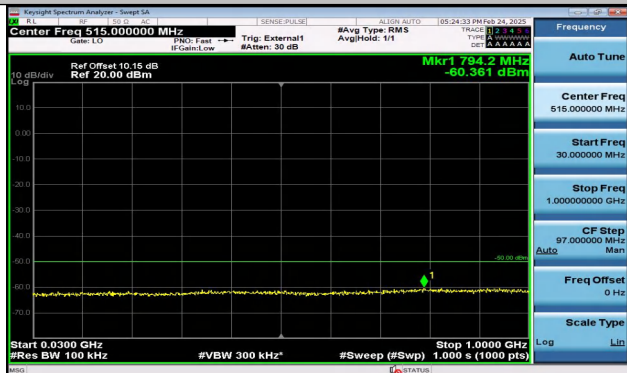
Band40_5MHz_16QAM_38775_1RB#0_1000~3000_1000
~3000



Band40_5MHz_16QAM_38775_1RB#0_3000~26500_300
0~26500



Band40_5MHz_16QAM_38775_1RB#24_0.009~0.15_0.00
9~0.15



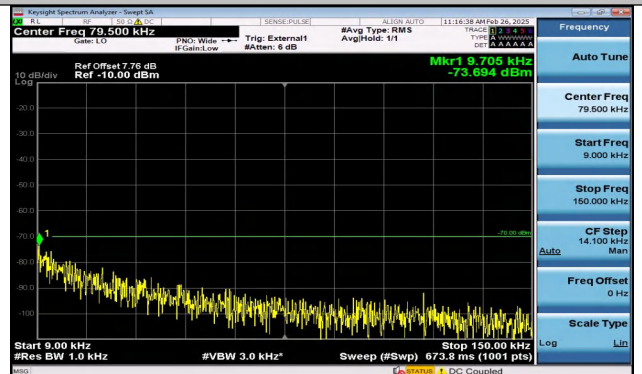
Band40_5MHz_16QAM_38775_1RB#24_0.15~30_0.15~3
0



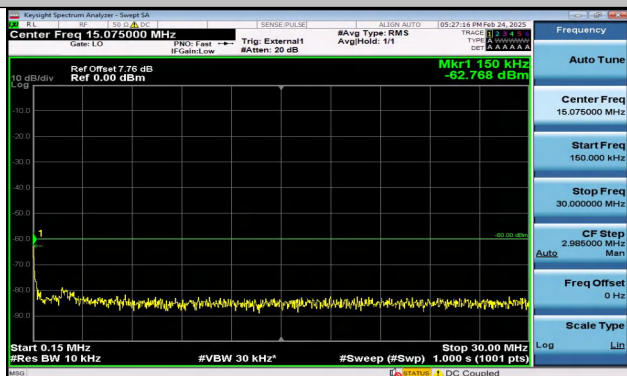
Band40_5MHz_16QAM_38775_1RB#24_30~1000_30~10
00



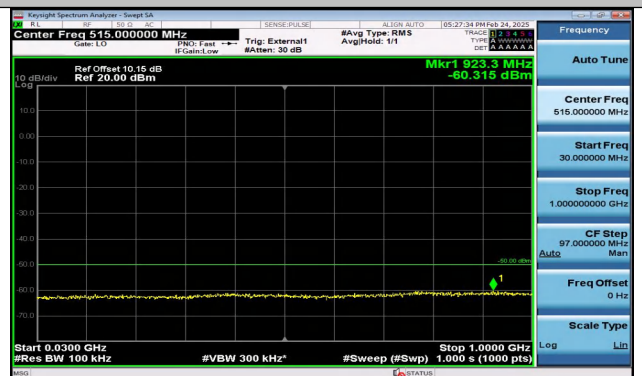
Band40_5MHz_16QAM_38775_1RB#24_1000~3000_100
0~3000



Band40_5MHz_16QAM_38775_1RB#24_3000~26500_30
00~26500



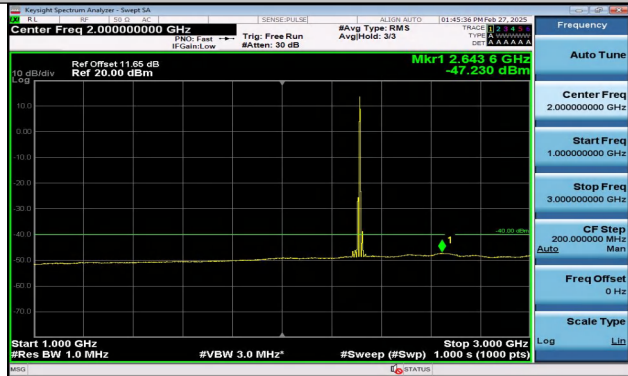
Band40_5MHz_16QAM_38775_25RB#0_0.009~0.15_0.0
09~0.15





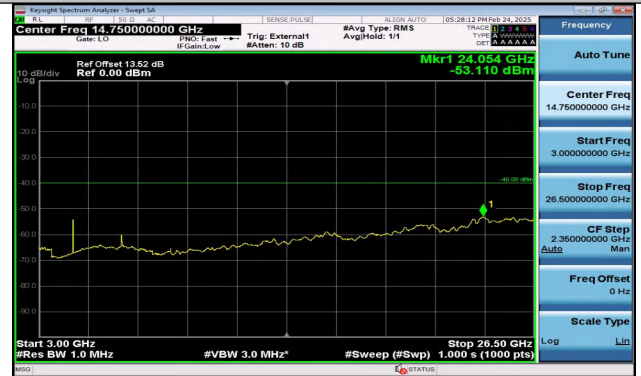
Band40_5MHz_16QAM_38775_25RB#0_0.15~30_0.15~3

0



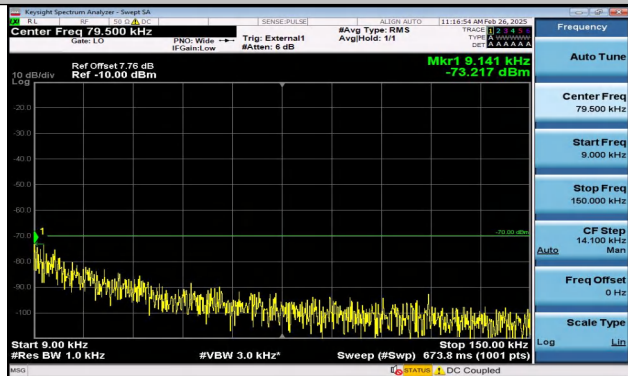
Band40_5MHz_16QAM_38775_25RB#0_30~1000_30~10

00



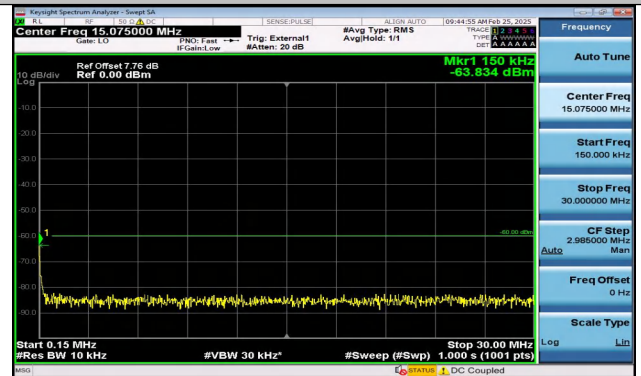
Band40_5MHz_16QAM_38775_25RB#0_1000~3000_100

0~3000



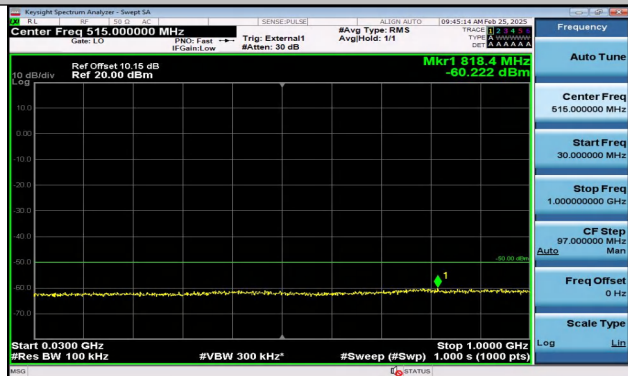
Band40_5MHz_16QAM_38775_25RB#0_3000~26500_30

00~26500



Band40_10MHz_QPSK_38750_1RB#0_0.009~0.15_0.009

~0.15



Band40_10MHz_QPSK_38750_1RB#0_0.15~30_0.15~30



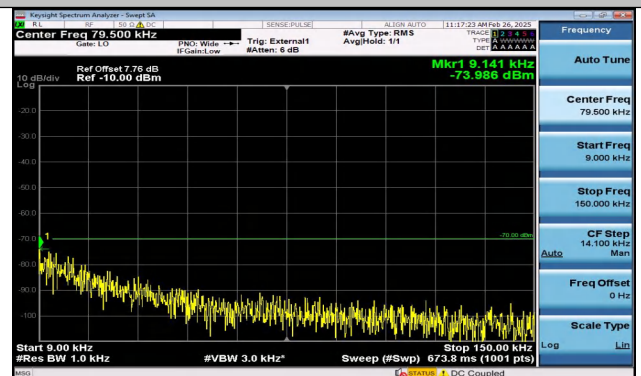
Band40_10MHz_QPSK_38750_1RB#0_30~1000_30~100

0



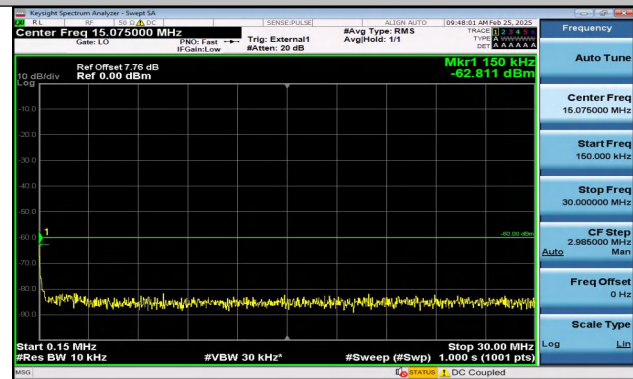
Band40_10MHz_QPSK_38750_1RB#0_1000~3000_1000

~3000

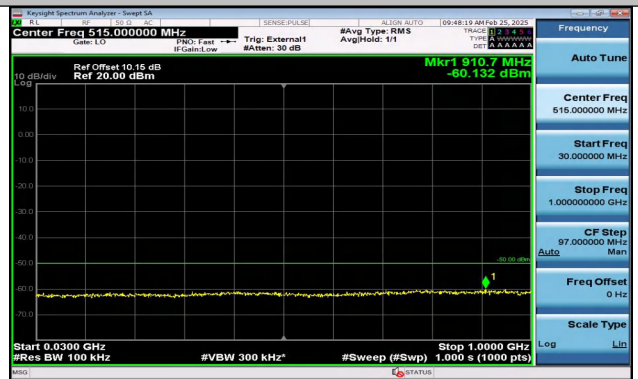




Band40_10MHz_QPSK_38750_1RB#0_3000~26500_3000
~26500



Band40_10MHz_QPSK_38750_1RB#49_0.009~0.15_0.0
09~0.15



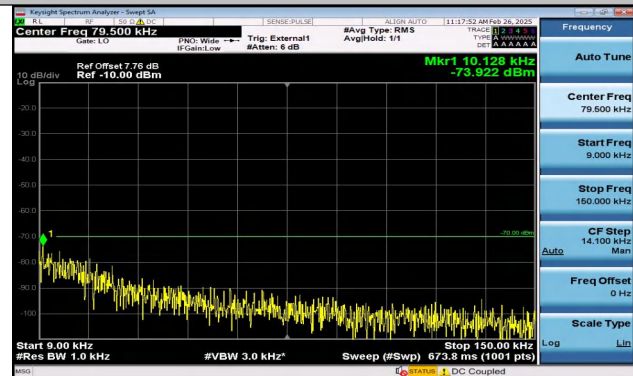
Band40_10MHz_QPSK_38750_1RB#49_0.15~30_0.15~30
00



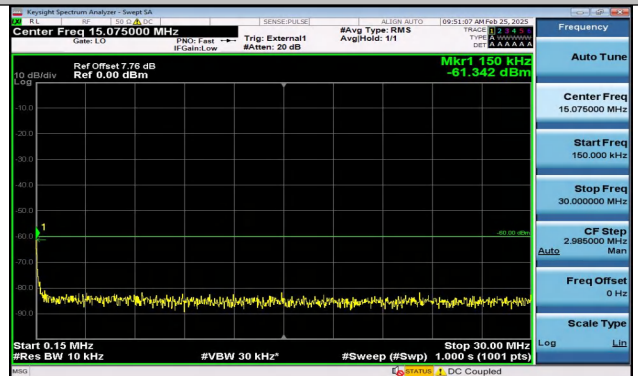
Band40_10MHz_QPSK_38750_1RB#49_30~1000_30~10
00



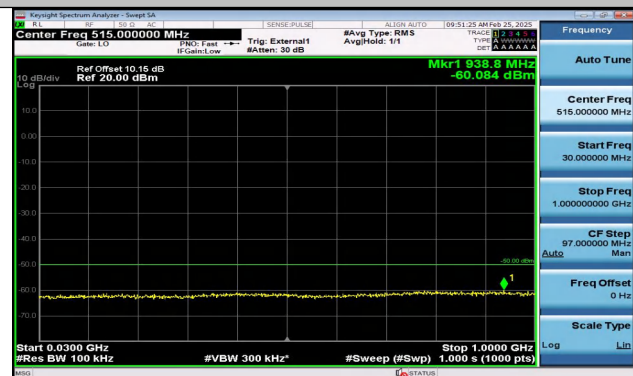
Band40_10MHz_QPSK_38750_1RB#49_1000~3000_1000
~3000



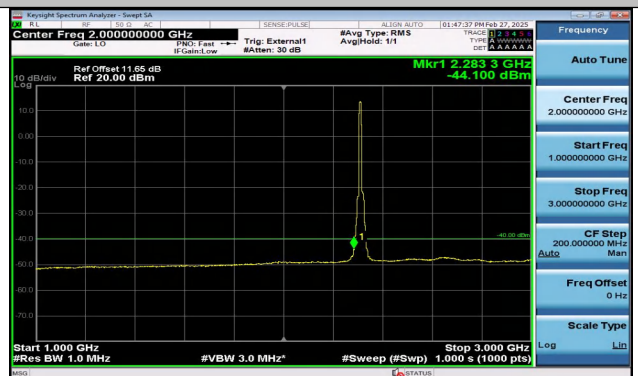
Band40_10MHz_QPSK_38750_1RB#49_3000~26500_30
00~26500



Band40_10MHz_QPSK_38750_50RB#0_0.009~0.15_0.00
9~0.15



Band40_10MHz_QPSK_38750_50RB#0_0.15~30_0.15~3
0





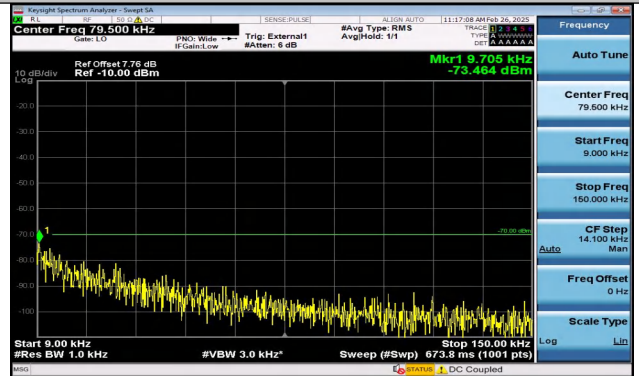
Band40_10MHz_QPSK_38750_50RB#0_30~1000_30~10

00



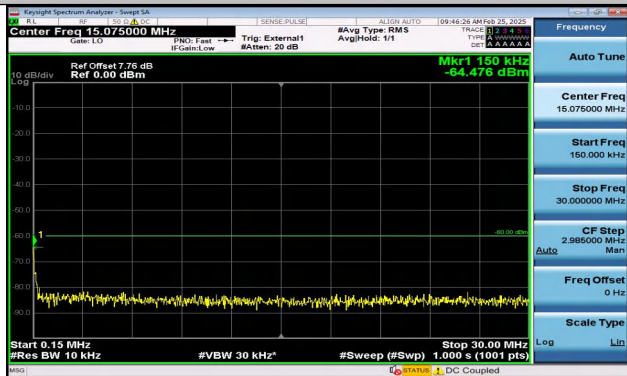
Band40_10MHz_QPSK_38750_50RB#0_1000~3000_100

0~3000



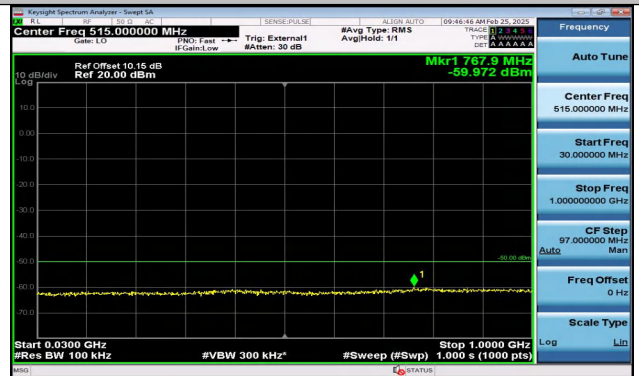
Band40_10MHz_QPSK_38750_50RB#0_3000~26500_300

0~26500



Band40_10MHz_16QAM_38750_1RB#0_0.009~0.15_0.0

09~0.15



Band40_10MHz_16QAM_38750_1RB#0_0.15~30_0.15~3

0



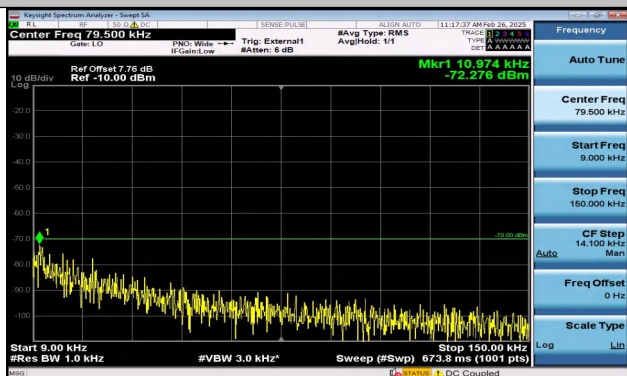
Band40_10MHz_16QAM_38750_1RB#0_30~1000_30~10

00



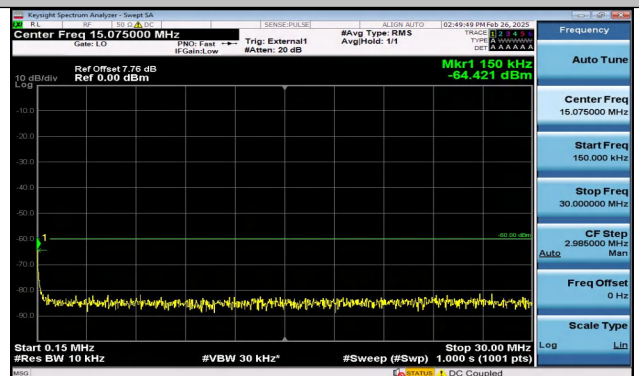
Band40_10MHz_16QAM_38750_1RB#0_1000~3000_100

0~3000



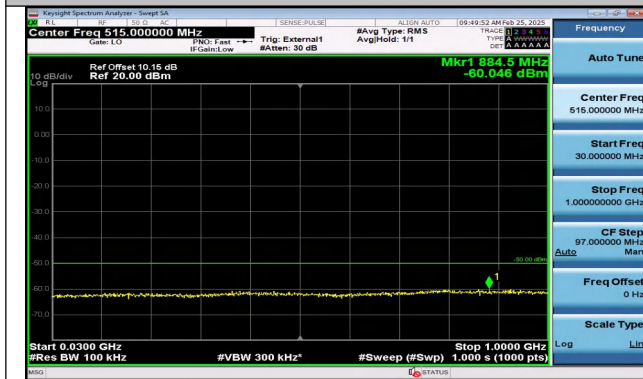
Band40_10MHz_16QAM_38750_1RB#0_3000~26500_30

00~26500

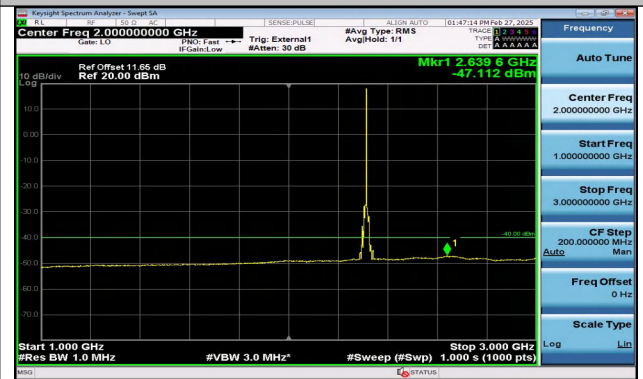




Band40_10MHz_16QAM_38750_1RB#49_0.009~0.15_0.0
09~0.15



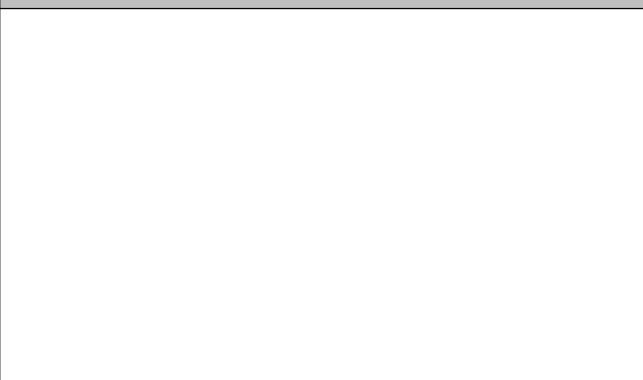
Band40_10MHz_16QAM_38750_1RB#49_0.15~30_0.15~
30



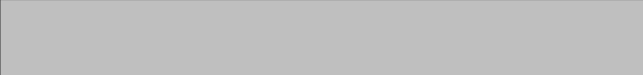
Band40_10MHz_16QAM_38750_1RB#49_30~1000_30~1
000



Band40_10MHz_16QAM_38750_1RB#49_1000~3000_10
00~3000



Band40_10MHz_16QAM_38750_1RB#49_3000~26500_3
000~26500





Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	VN	NT	16.34	0.007081	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	VL	NT	7.72	0.003346	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38725	25RB#0	VH	NT	26.58	0.011519	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	VN	NT	24.78	0.010739	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	VL	NT	-23.72	-0.010280	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38725	25RB#0	VH	NT	-14.33	-0.006210	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	VN	NT	13.26	0.005740	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	VL	NT	23.45	0.010152	±2.5	PASS
Band40 (2305-2315)	5MHz	QPSK	38750	25RB#0	VH	NT	26.78	0.011593	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	VN	NT	14.42	0.006242	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	VL	NT	-18.93	-0.008195	±2.5	PASS
Band40 (2305-2315)	5MHz	16QAM	38750	25RB#0	VH	NT	-33.73	-0.014602	±2.5	PASS



Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	VN	NT	22.87	0.009890	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	VL	NT	15.16	0.006556	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	VH	NT	19.71	0.008523	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	VN	NT	25.63	0.011083	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	VL	NT	-26.44	-0.011434	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	VH	NT	-18.84	-0.008147	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	VN	NT	-9.48	-0.004104	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	VL	NT	-8.20	-0.003550	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	VH	NT	-12.66	-0.005481	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band40 (2305-2 315)	5MHz	QPSK	38725	25RB#0	NV	-30	12.86	0.005573	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38725	25RB#0	NV	-20	15.76	0.006830	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38725	25RB#0	NV	-10	11.83	0.005127	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38725	25RB#0	NV	0	25.75	0.011159	±2.5	PASS



315)										
Band40 (2305-2 315)	5MHz	QPSK	38725	25RB#0	NV	10	14.02	0.006076	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38725	25RB#0	NV	20	24.59	0.010657	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38725	25RB#0	NV	30	5.82	0.002522	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38725	25RB#0	NV	40	14.62	0.006336	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38725	25RB#0	NV	50	22.40	0.009707	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38725	25RB#0	NV	-30	-26.42	-0.011450	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38725	25RB#0	NV	-20	-31.54	-0.013668	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38725	25RB#0	NV	-10	-33.92	-0.014700	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38725	25RB#0	NV	0	-13.95	-0.006046	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38725	25RB#0	NV	10	-18.53	-0.008030	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38725	25RB#0	NV	20	-20.14	-0.008728	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38725	25RB#0	NV	30	-21.17	-0.009174	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38725	25RB#0	NV	40	-23.22	-0.010063	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38725	25RB#0	NV	50	-29.20	-0.012654	±2.5	PASS



Band40 (2305-2 315)	5MHz	QPSK	38750	25RB#0	NV	-30	19.74	0.008545	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38750	25RB#0	NV	-20	6.37	0.002758	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38750	25RB#0	NV	-10	9.23	0.003996	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38750	25RB#0	NV	0	14.85	0.006429	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38750	25RB#0	NV	10	20.18	0.008736	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38750	25RB#0	NV	20	23.03	0.009970	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38750	25RB#0	NV	30	-6.17	-0.002671	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38750	25RB#0	NV	40	4.16	0.001801	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38750	25RB#0	NV	50	8.20	0.003550	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38750	25RB#0	NV	-30	-26.04	-0.011273	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38750	25RB#0	NV	-20	-32.47	-0.014056	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38750	25RB#0	NV	-10	-15.02	-0.006502	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38750	25RB#0	NV	0	-19.07	-0.008255	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38750	25RB#0	NV	10	-23.05	-0.009978	±2.5	PASS
Band40	5MHz	16QAM	38750	25RB#0	NV	20	-23.78	-0.010294	±2.5	PASS



(2305-2 315)										
Band40 (2305-2 315)	5MHz	16QAM	38750	25RB#0	NV	30	-29.95	-0.012965	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38750	25RB#0	NV	40	-34.30	-0.014848	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38750	25RB#0	NV	50	-36.38	-0.015749	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	NV	-30	7.37	0.003187	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	NV	-20	14.35	0.006205	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	NV	-10	22.67	0.009803	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	NV	0	6.17	0.002668	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	NV	10	8.03	0.003472	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	NV	20	12.53	0.005418	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	NV	30	18.53	0.008013	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	NV	40	16.49	0.007131	±2.5	PASS
Band40 (2305-2 315)	5MHz	QPSK	38775	25RB#0	NV	50	22.73	0.009829	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	NV	-30	-32.84	-0.014201	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	NV	-20	-16.61	-0.007183	±2.5	PASS



315)										
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	NV	-10	-24.16	-0.010448	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	NV	0	-27.84	-0.012039	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	NV	10	-31.16	-0.013475	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	NV	20	-34.48	-0.014910	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	NV	30	-34.62	-0.014971	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	NV	40	-13.36	-0.005777	±2.5	PASS
Band40 (2305-2 315)	5MHz	16QAM	38775	25RB#0	NV	50	-14.59	-0.006309	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	NV	-30	-12.57	-0.005442	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	NV	-20	-10.16	-0.004398	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	NV	-10	-10.13	-0.004385	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	NV	0	-9.57	-0.004143	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	NV	10	-11.99	-0.005190	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	NV	20	-9.27	-0.004013	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	NV	30	-9.47	-0.004100	±2.5	PASS



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No.:GRCTR250202015-09

Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	NV	40	-9.71	-0.004203	±2.5	PASS
Band40 (2305-2 315)	10MHz	QPSK	38750	50RB#0	NV	50	-11.36	-0.004918	±2.5	PASS