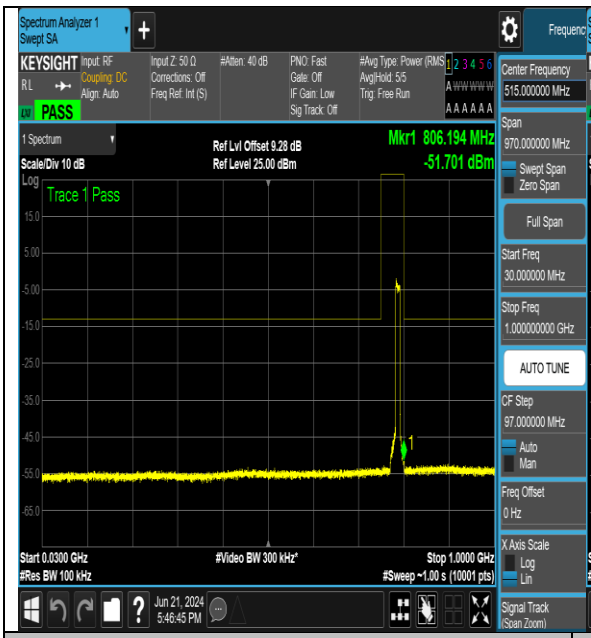

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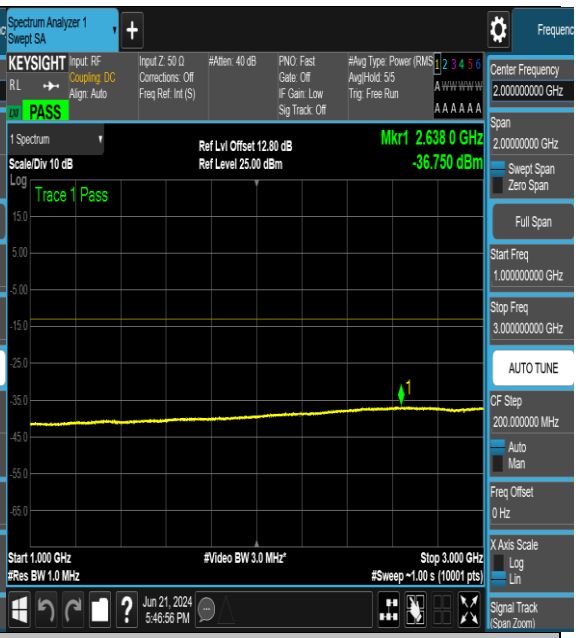

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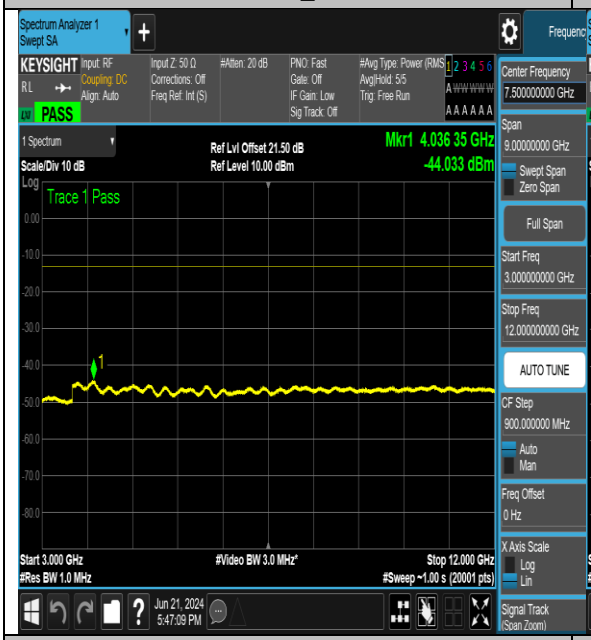

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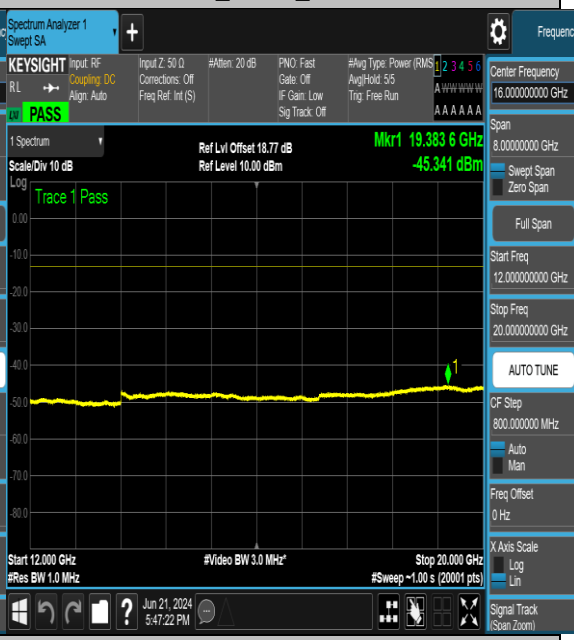

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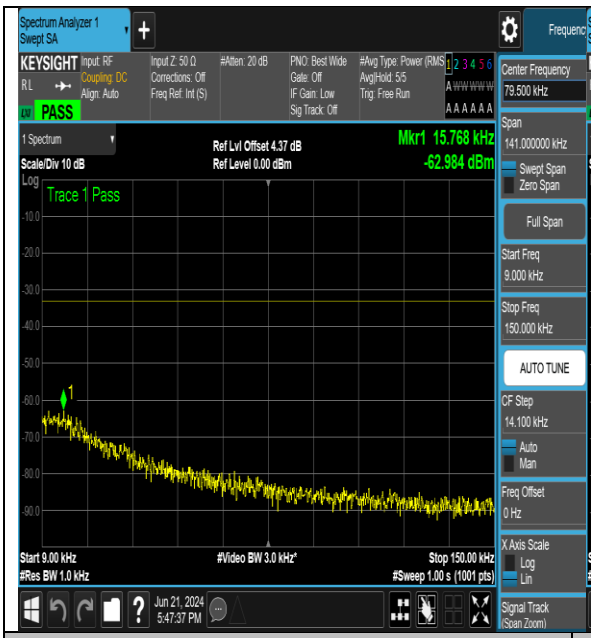

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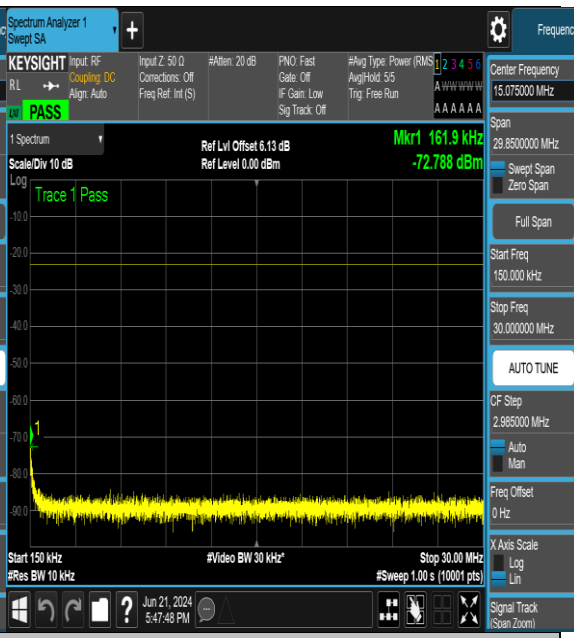

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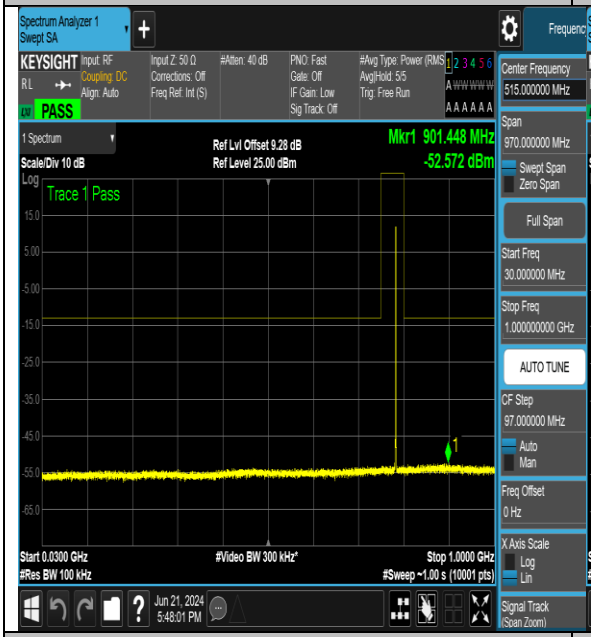

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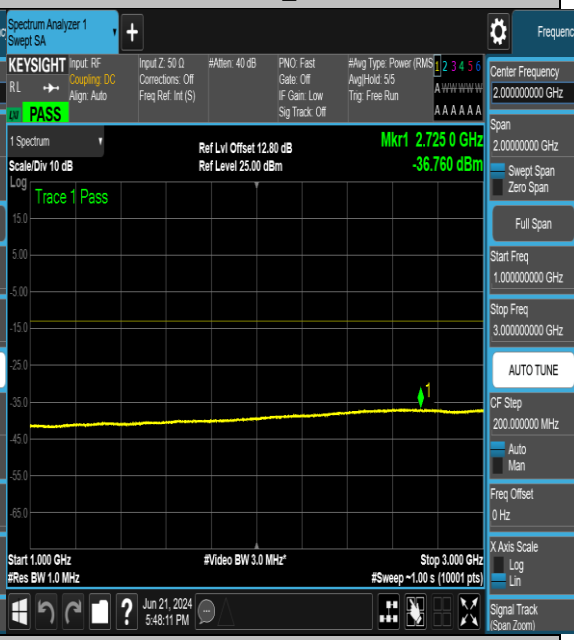

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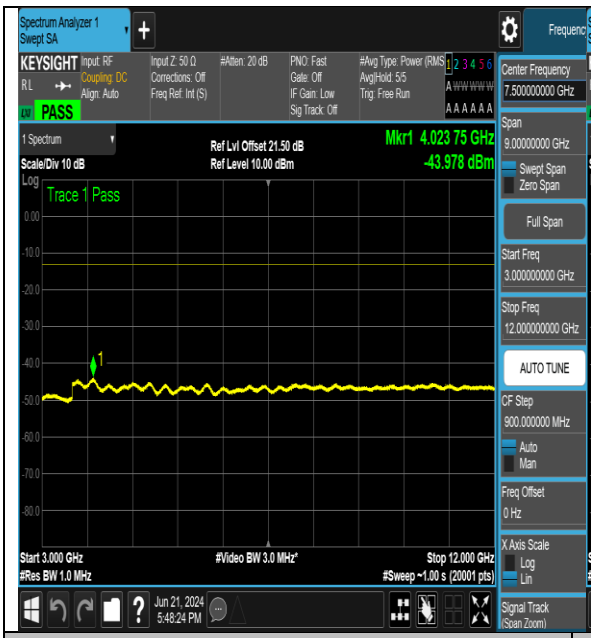

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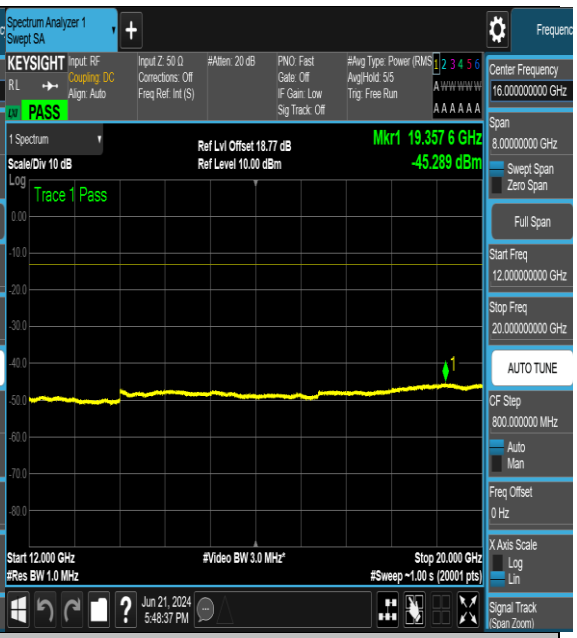

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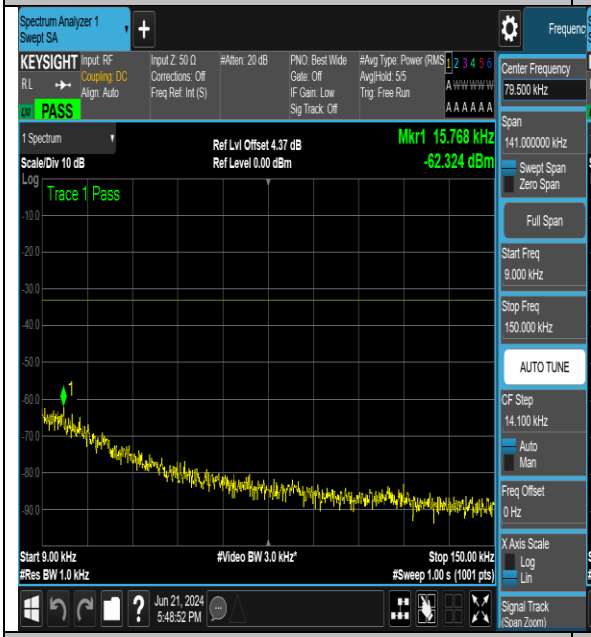

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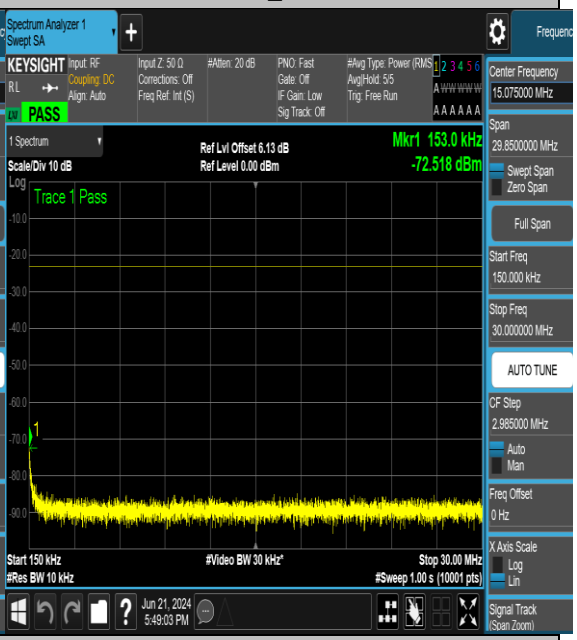

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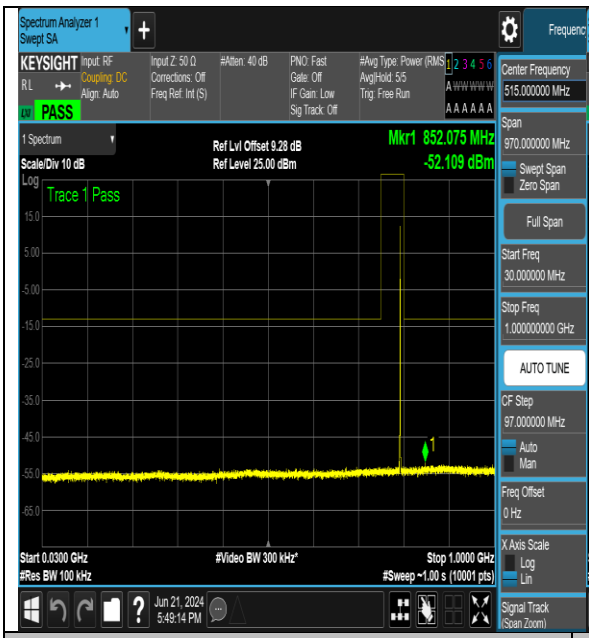

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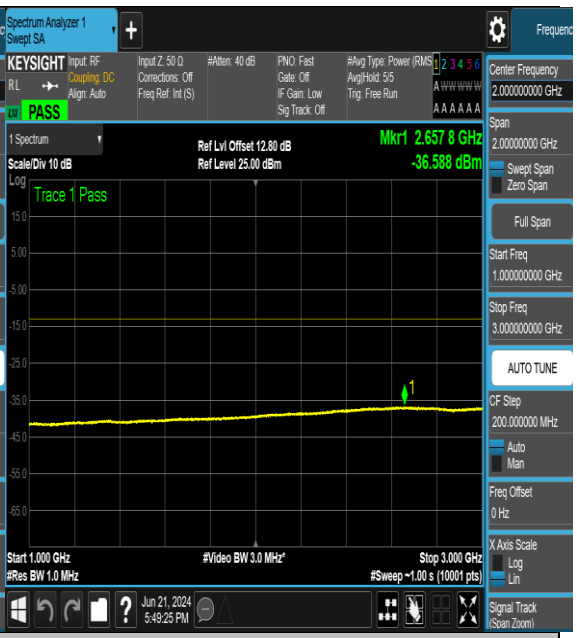

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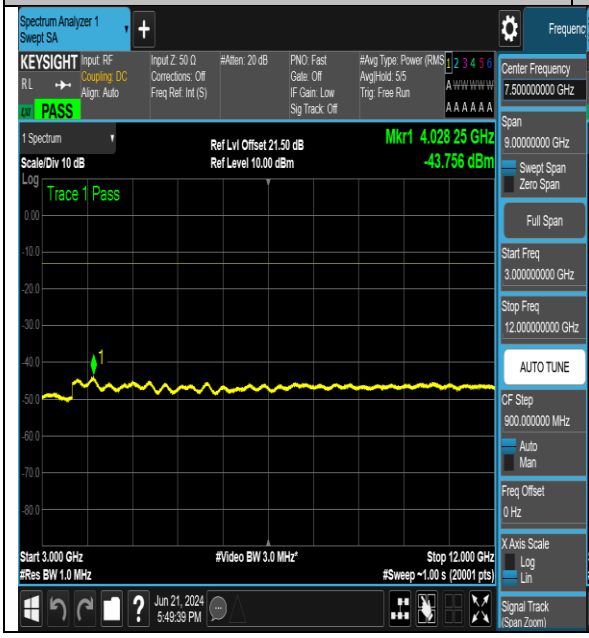

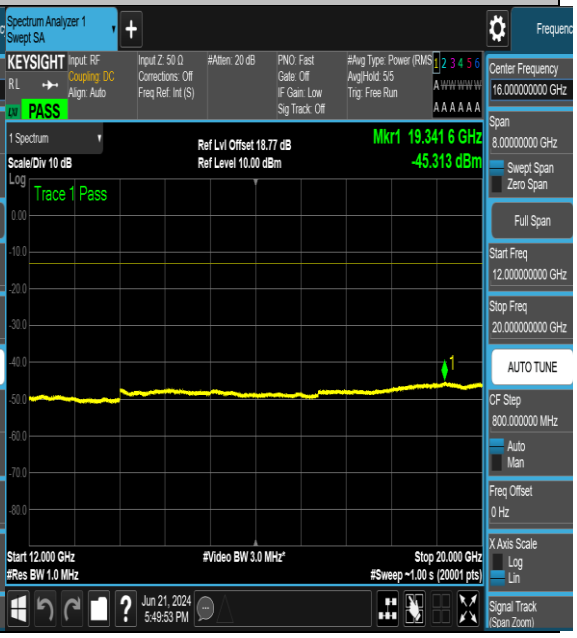

Appendix F: Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	VL	NT	10.000000	0.012650	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	VN	NT	15.000000	0.018975	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	VH	NT	14.000000	0.017710	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	VL	NT	3.000000	0.003795	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	VN	NT	5.000000	0.006325	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	VH	NT	7.000000	0.008855	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	VL	NT	12.000000	0.015132	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	VN	NT	7.000000	0.008827	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	VH	NT	10.000000	0.012610	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	VL	NT	11.000000	0.013871	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	VN	NT	3.000000	0.003783	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	VH	NT	5.000000	0.006305	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	VL	NT	9.000000	0.011314	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	VN	NT	1.000000	0.001257	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	VH	NT	5.000000	0.006285	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	VL	NT	12.000000	0.015085	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	VN	NT	10.000000	0.012571	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	VH	NT	2.000000	0.002514	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	VL	NT	14.000000	0.017654	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	VN	NT	9.000000	0.011349	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	VH	NT	12.000000	0.015132	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	VL	NT	14.000000	0.017654	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	VN	NT	16.000000	0.020177	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	VH	NT	8.000000	0.010088	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	VL	NT	14.000000	0.017654	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	VN	NT	12.000000	0.015132	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	VH	NT	4.000000	0.005044	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	VL	NT	9.000000	0.011349	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	VN	NT	1.000000	0.001261	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	VH	NT	11.000000	0.013871	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	VL	NT	6.000000	0.007566	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	VN	NT	5.000000	0.006305	PASS

N14	15	10	DFT-QPSK	H	Outer_Full	VH	NT	13.000000	0.016393	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	VL	NT	10.000000	0.012610	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	VN	NT	12.000000	0.015132	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	VH	NT	3.000000	0.003783	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N14	15	5	DFT-QPSK	L	Outer_Full	NV	-30	9.000000	0.011385	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	-20	12.000000	0.015180	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	-10	14.000000	0.017710	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	0	6.000000	0.007590	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	10	8.000000	0.010120	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	20	4.000000	0.005060	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	30	6.000000	0.007590	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	40	8.000000	0.010120	PASS
N14	15	5	DFT-QPSK	L	Outer_Full	NV	50	10.000000	0.012650	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	NV	-30	5.000000	0.006325	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	NV	-20	16.000000	0.020240	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	NV	-10	3.000000	0.003795	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	NV	0	5.000000	0.006325	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	NV	10	18.000000	0.022770	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	NV	20	5.000000	0.006325	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	NV	30	7.000000	0.008855	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	NV	40	19.000000	0.024035	PASS
N14	15	5	DFT-16QAM	L	Outer_Full	NV	50	9.000000	0.011385	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	-30	12.000000	0.015132	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	-20	14.000000	0.017654	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	-10	12.000000	0.015132	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	0	4.000000	0.005044	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	10	6.000000	0.007566	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	20	2.000000	0.002522	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	30	11.000000	0.013871	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	40	3.000000	0.003783	PASS
N14	15	5	DFT-QPSK	M	Outer_Full	NV	50	5.000000	0.006305	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	NV	-30	15.000000	0.018916	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	NV	-20	5.000000	0.006305	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	NV	-10	4.000000	0.005044	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	NV	0	19.000000	0.023960	PASS

N14	15	5	DFT-16QAM	M	Outer_Full	NV	10	6.000000	0.007566	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	NV	20	8.000000	0.010088	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	NV	30	10.000000	0.012610	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	NV	40	12.000000	0.015132	PASS
N14	15	5	DFT-16QAM	M	Outer_Full	NV	50	5.000000	0.006305	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	-30	16.000000	0.020113	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	-20	2.000000	0.002514	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	-10	4.000000	0.005028	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	0	1.000000	0.001257	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	10	3.000000	0.003771	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	20	5.000000	0.006285	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	30	8.000000	0.010057	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	40	19.000000	0.023884	PASS
N14	15	5	DFT-QPSK	H	Outer_Full	NV	50	6.000000	0.007542	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	NV	-30	4.000000	0.005028	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	NV	-20	3.000000	0.003771	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	NV	-10	11.000000	0.013828	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	NV	0	4.000000	0.005028	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	NV	10	2.000000	0.002514	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	NV	20	11.000000	0.013828	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	NV	30	3.000000	0.003771	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	NV	40	6.000000	0.007542	PASS
N14	15	5	DFT-16QAM	H	Outer_Full	NV	50	8.000000	0.010057	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	NV	-30	14.000000	0.017654	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	NV	-20	16.000000	0.020177	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	NV	-10	3.000000	0.003783	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	NV	0	1.000000	0.001261	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	NV	10	4.000000	0.005044	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	NV	20	15.000000	0.018916	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	NV	30	8.000000	0.010088	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	NV	40	6.000000	0.007566	PASS
N14	15	10	DFT-QPSK	L	Outer_Full	NV	50	9.000000	0.011349	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	NV	-30	17.000000	0.021438	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	NV	-20	3.000000	0.003783	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	NV	-10	14.000000	0.017654	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	NV	0	16.000000	0.020177	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	NV	10	18.000000	0.022699	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	NV	20	16.000000	0.020177	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	NV	30	15.000000	0.018916	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	NV	40	1.000000	0.001261	PASS
N14	15	10	DFT-16QAM	L	Outer_Full	NV	50	19.000000	0.023960	PASS

N14	15	10	DFT-QPSK	M	Outer_Full	NV	-30	6.000000	0.007566	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	NV	-20	15.000000	0.018916	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	NV	-10	14.000000	0.017654	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	NV	0	17.000000	0.021438	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	NV	10	4.000000	0.005044	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	NV	20	6.000000	0.007566	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	NV	30	17.000000	0.021438	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	NV	40	7.000000	0.008827	PASS
N14	15	10	DFT-QPSK	M	Outer_Full	NV	50	3.000000	0.003783	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	NV	-30	13.000000	0.016393	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	NV	-20	15.000000	0.018916	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	NV	-10	11.000000	0.013871	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	NV	0	14.000000	0.017654	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	NV	10	12.000000	0.015132	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	NV	20	15.000000	0.018916	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	NV	30	17.000000	0.021438	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	NV	40	1.000000	0.001261	PASS
N14	15	10	DFT-16QAM	M	Outer_Full	NV	50	19.000000	0.023960	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	NV	-30	12.000000	0.015132	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	NV	-20	11.000000	0.013871	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	NV	-10	6.000000	0.007566	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	NV	0	5.000000	0.006305	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	NV	10	8.000000	0.010088	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	NV	20	10.000000	0.012610	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	NV	30	9.000000	0.011349	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	NV	40	18.000000	0.022699	PASS
N14	15	10	DFT-QPSK	H	Outer_Full	NV	50	5.000000	0.006305	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	NV	-30	2.000000	0.002522	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	NV	-20	4.000000	0.005044	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	NV	-10	7.000000	0.008827	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	NV	0	9.000000	0.011349	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	NV	10	8.000000	0.010088	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	NV	20	10.000000	0.012610	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	NV	30	9.000000	0.011349	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	NV	40	9.000000	0.011349	PASS
N14	15	10	DFT-16QAM	H	Outer_Full	NV	50	8.000000	0.010088	PASS