Appendix-A LTE Band 14

Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	23.25	20.6	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	23.7	21.05	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	23.66	21.01	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	22.68	20.03	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	22.17	19.52	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	22.42	19.77	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	22.51	19.86	34.77	PASS
Band14	5MHz	16QAM	23305	25RB#0	21.76	19.11	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	23.47	20.82	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	23.75	21.1	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	23.43	20.78	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	22.63	19.98	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	22.63	19.98	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	22.6	19.95	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	22.49	19.84	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	21.63	18.98	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	23.56	20.91	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	23.71	21.06	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	23.34	20.69	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	22.6	19.95	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#0	22.24	19.59	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#12	22.35	19.7	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	22.53	19.88	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	21.57	18.92	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	23.27	20.62	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	23.55	20.9	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	23.49	20.84	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	22.46	19.81	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	22.76	20.11	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	22.62	19.97	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	22.54	19.89	34.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	21.41	18.76	34.77	PASS

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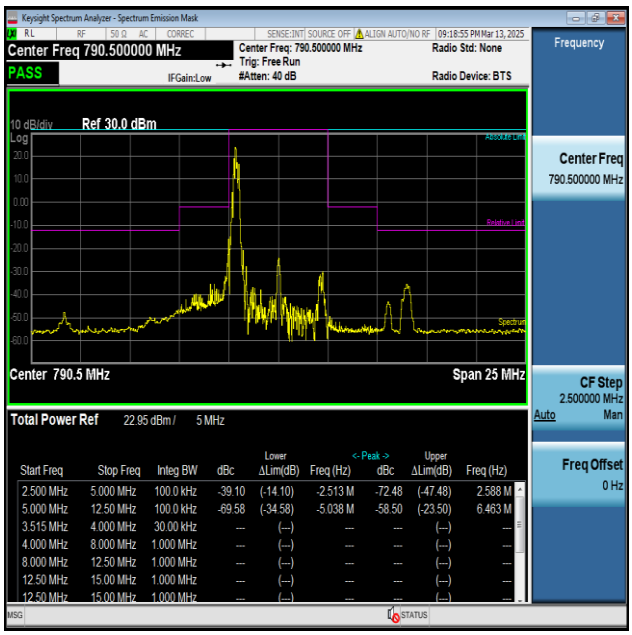
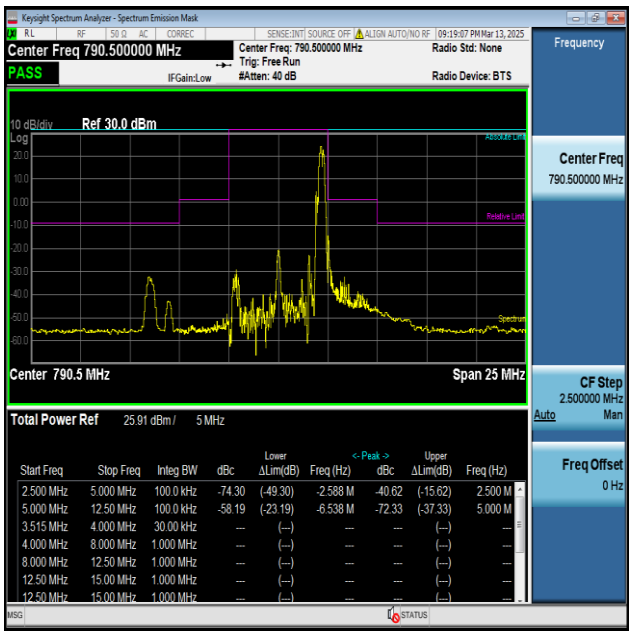
Spectrum_emission_mask

Test Graphs



NTNV-Band14-5MHz-QPSK-23305-1RB#0-PASS



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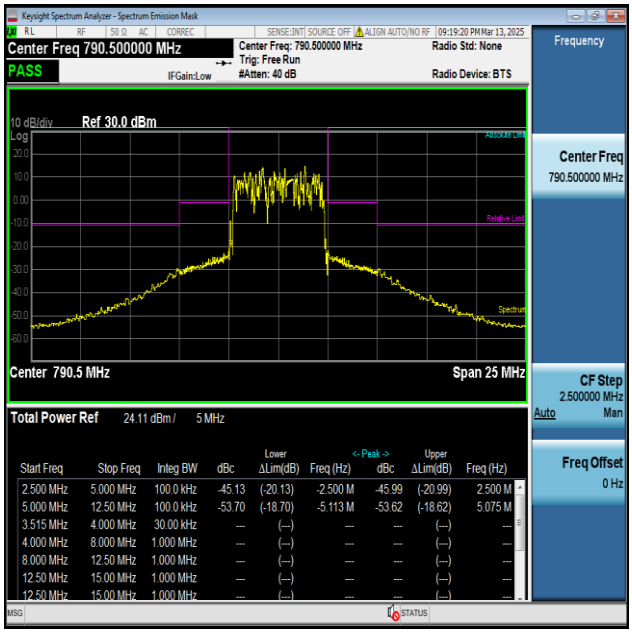
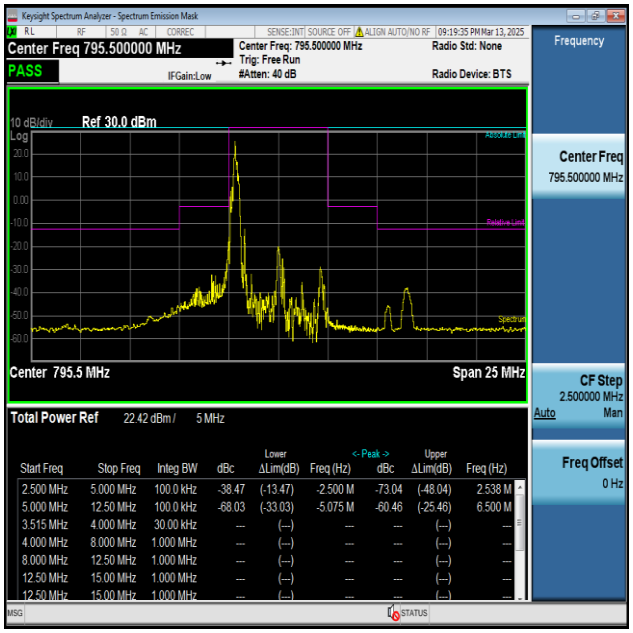


NTNV-Band14-5MHz-QPSK-23305-25RB#0-PASS



NTNV-Band14-5MHz-QPSK-23355-1RB#0-PASS

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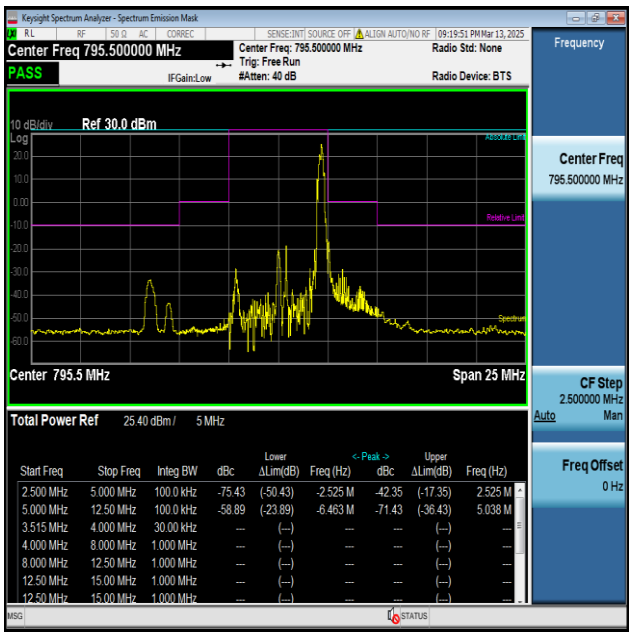

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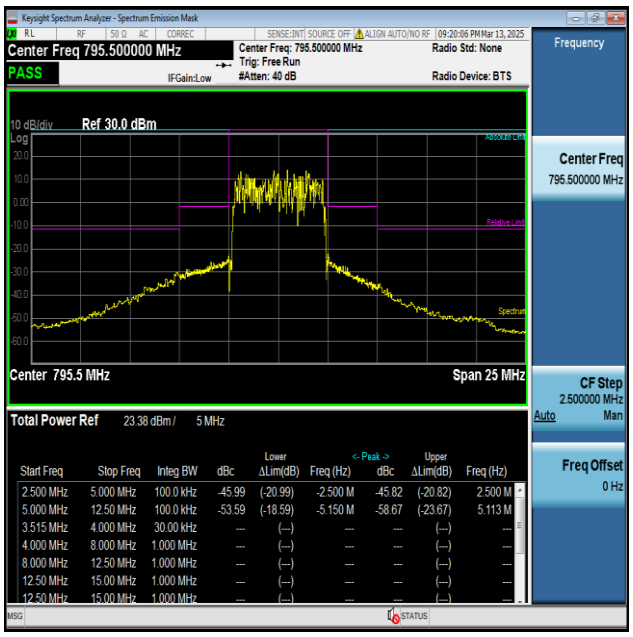
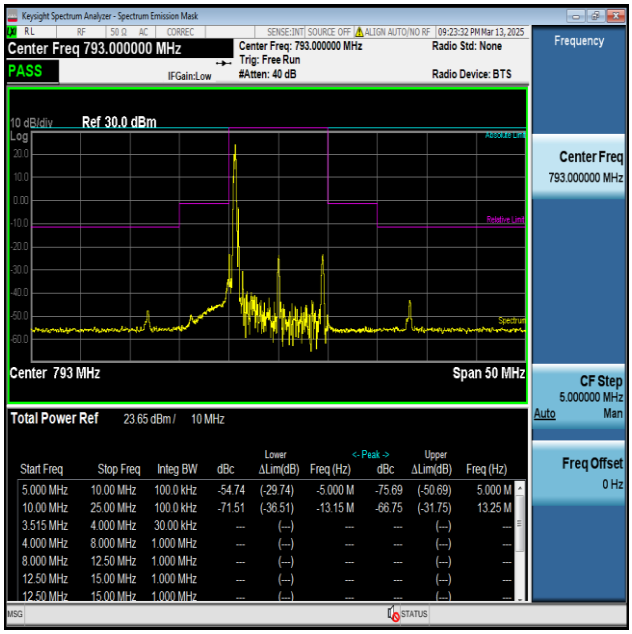
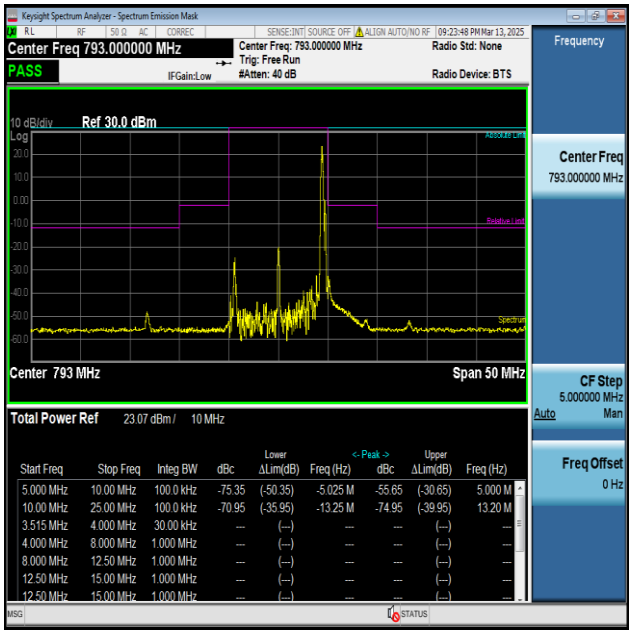


NTNV-Band14-5MHz-QPSK-23355-25RB#0-PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#0-PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#49-PASS

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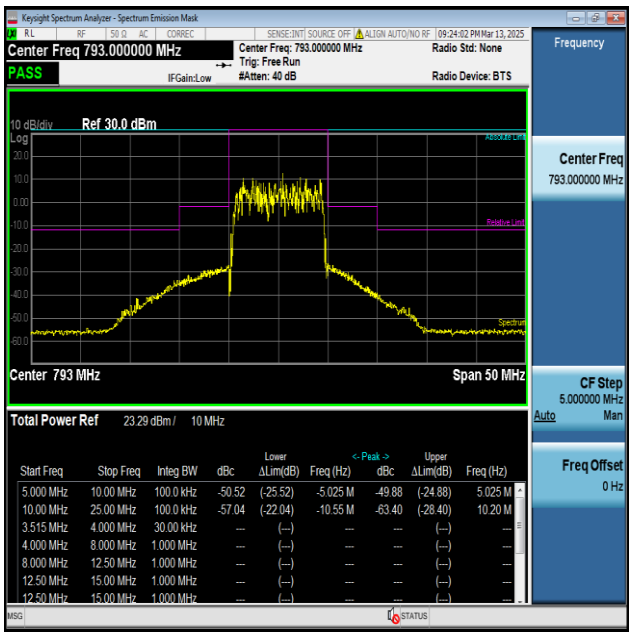

NTNV-Band14-10MHz-QPSK-23330-50RB#0-PASS

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Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	5.86	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	6.59	13	PASS

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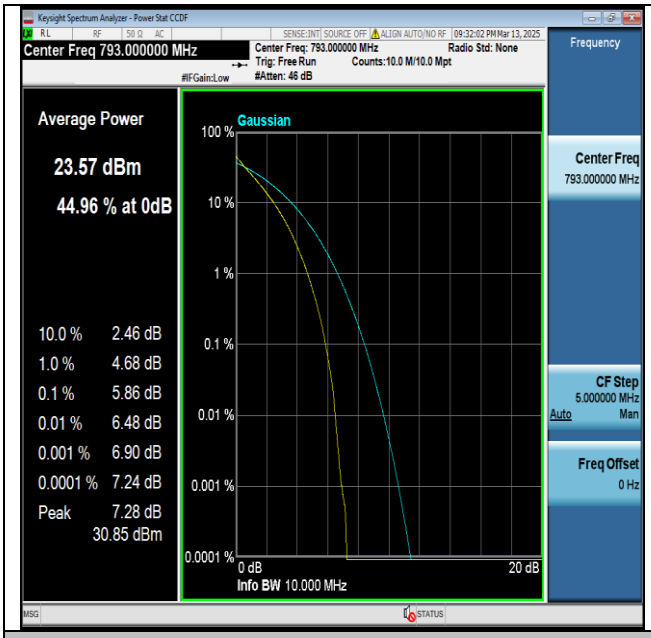
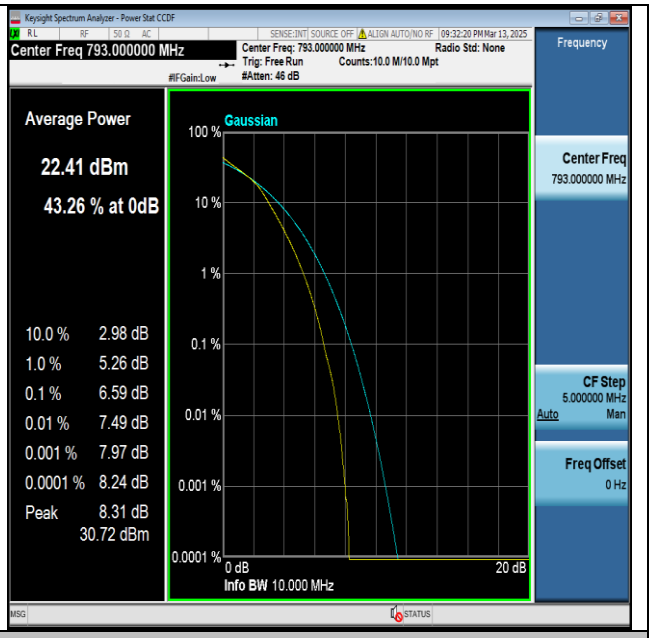
Test Graphs



Band14-10MHz-QPSK-23330-50RB#0-PASS



Band14-10MHz-16QAM-23330-50RB#0-PASS

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26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.4869	4.945	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.4840	4.979	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.4896	4.959	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.4845	4.962	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.4828	4.941	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.4855	4.979	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9542	9.754	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.9517	9.793	PASS

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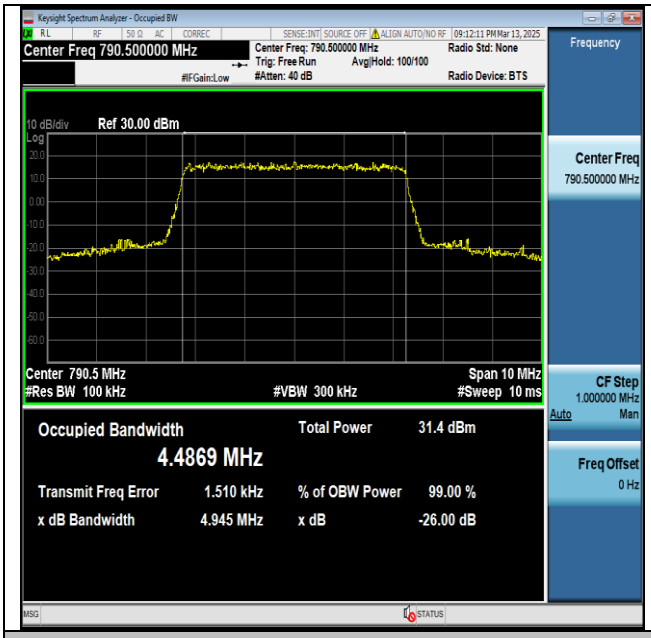
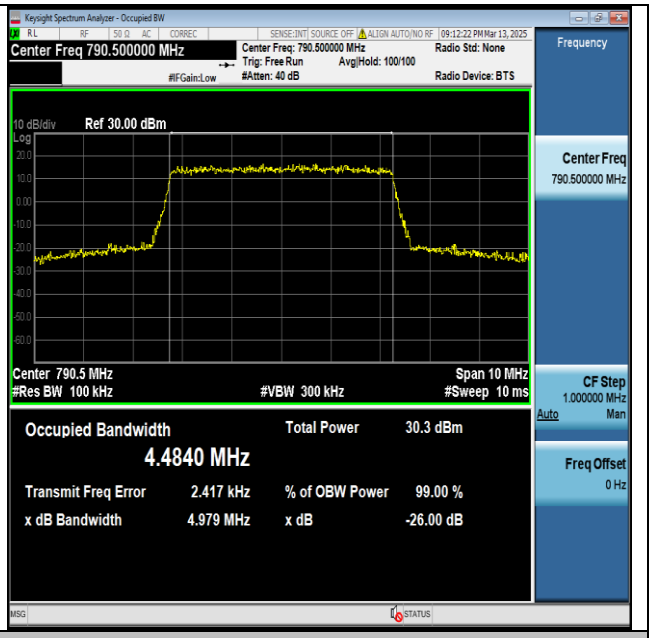
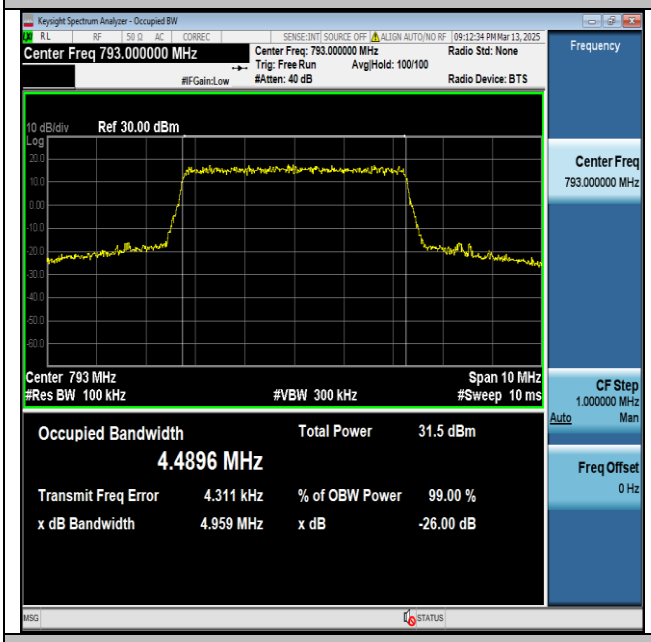
Test Graphs



Band14-5MHz-QPSK-23305-25RB#0-PASS



Band14-5MHz-16QAM-23305-25RB#0-PASS



Band14-5MHz-QPSK-23330-25RB#0-PASS

Band14-5MHz-16QAM-23330-25RB#0-PASS

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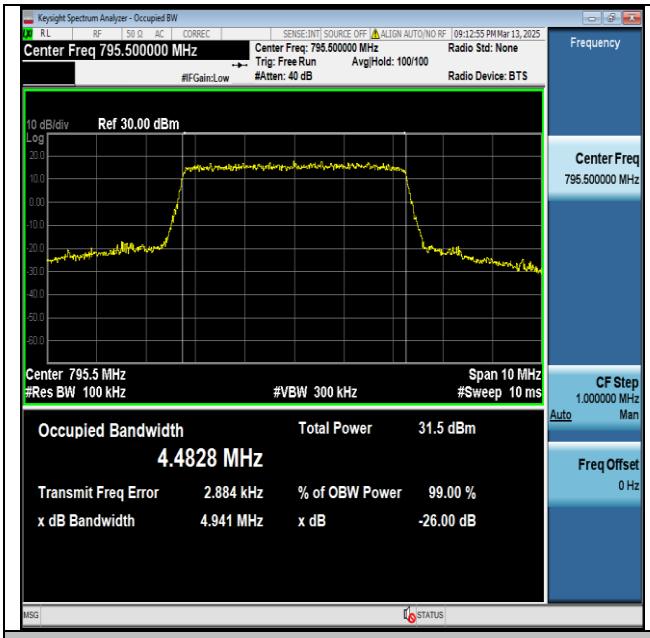
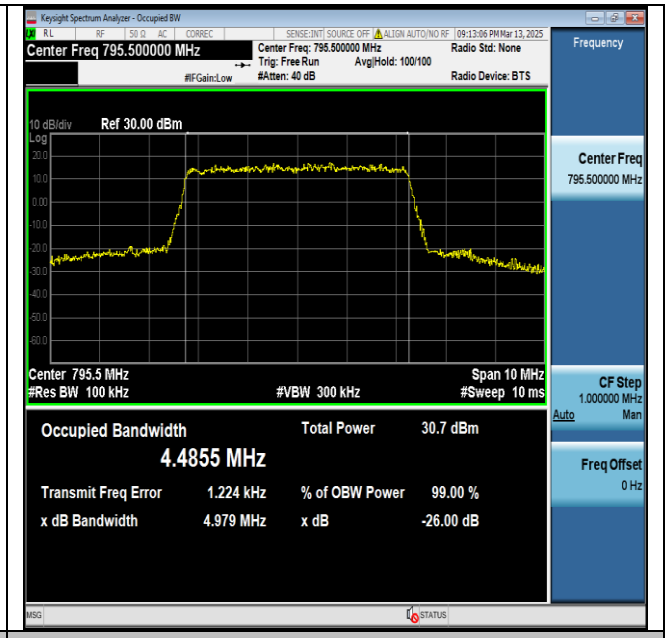
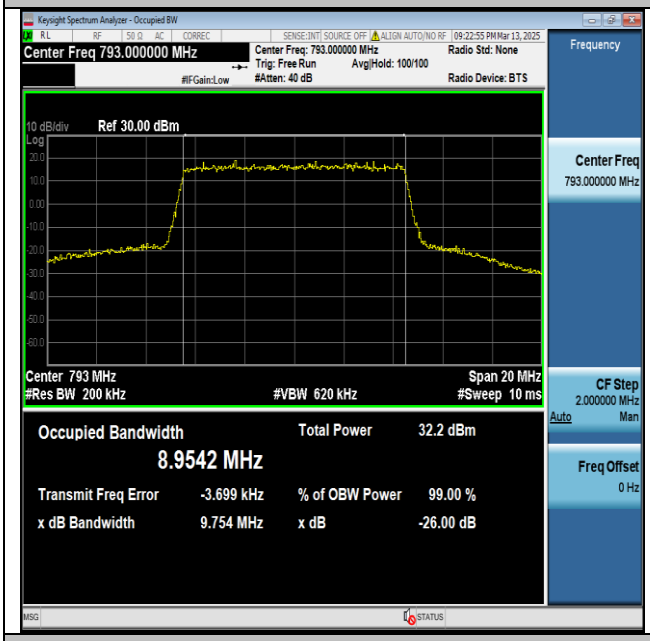


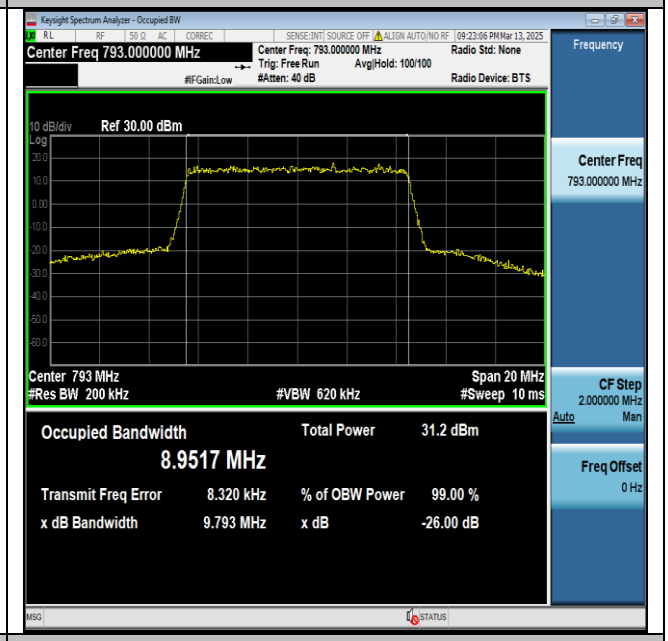
Band14-5MHz-QPSK-23355-25RB#0-PASS



Band14-5MHz-16QAM-23355-25RB#0-PASS



Band14-10MHz-QPSK-23330-50RB#0-PASS



Band14-10MHz-16QAM-23330-50RB#0-PASS

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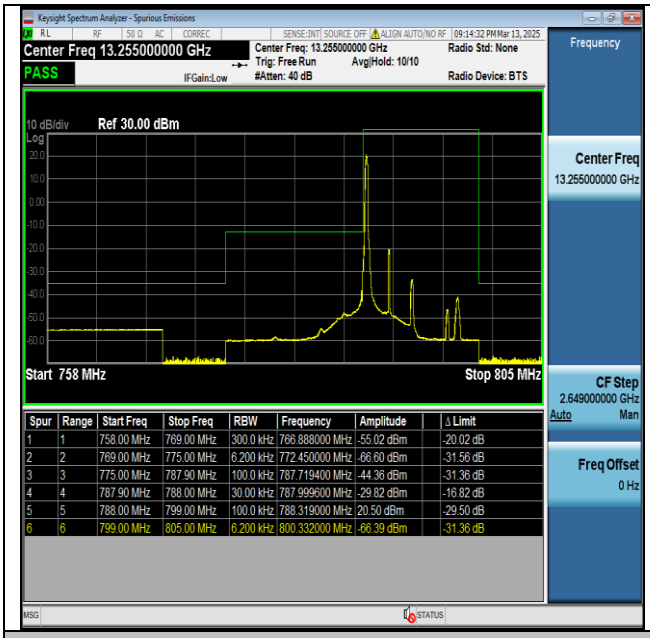
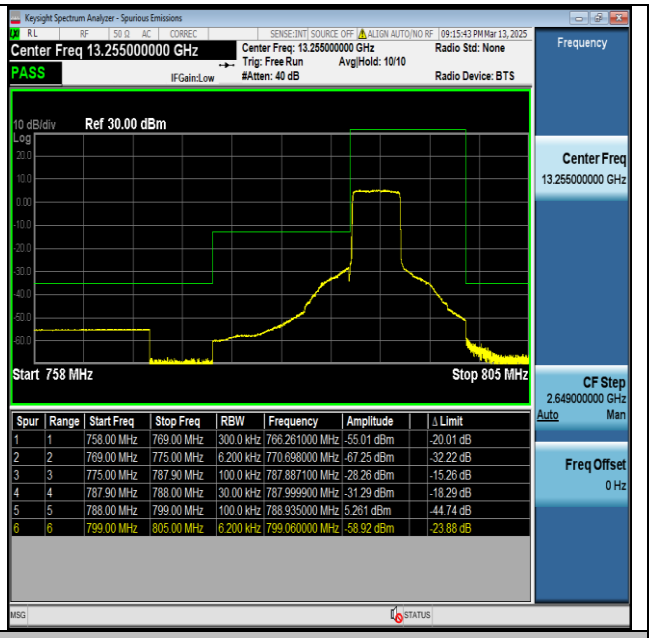
Band Edge

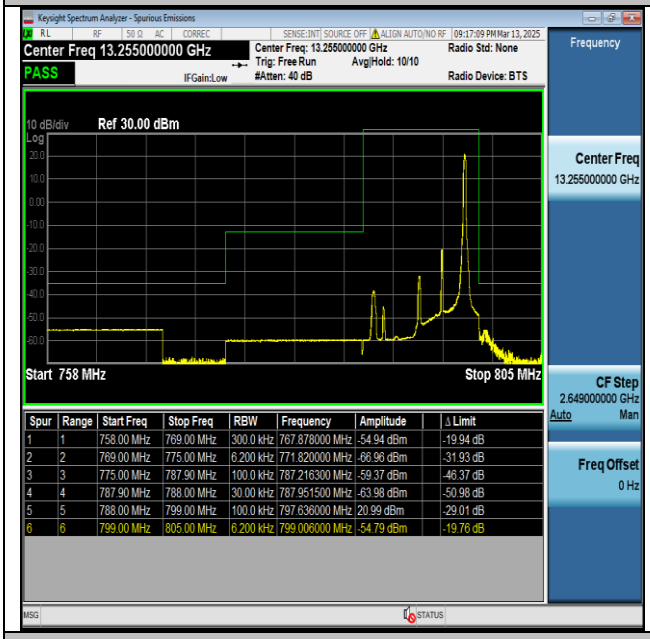
Test Graphs



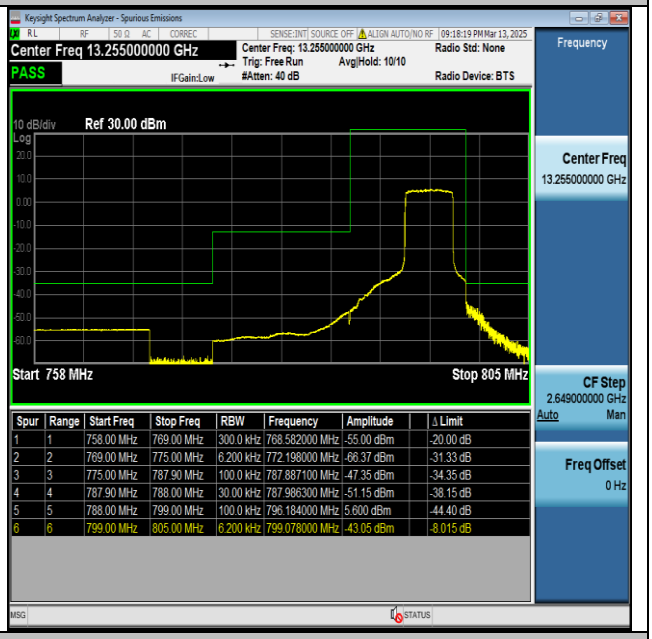
Band14-5MHz-QPSK-23305-1RB#0-PASS



Band14-5MHz-QPSK-23305-25RB#0-PASS



Band14-5MHz-QPSK-23355-1RB#24-PASS



Band14-5MHz-QPSK-23355-25RB#0-PASS

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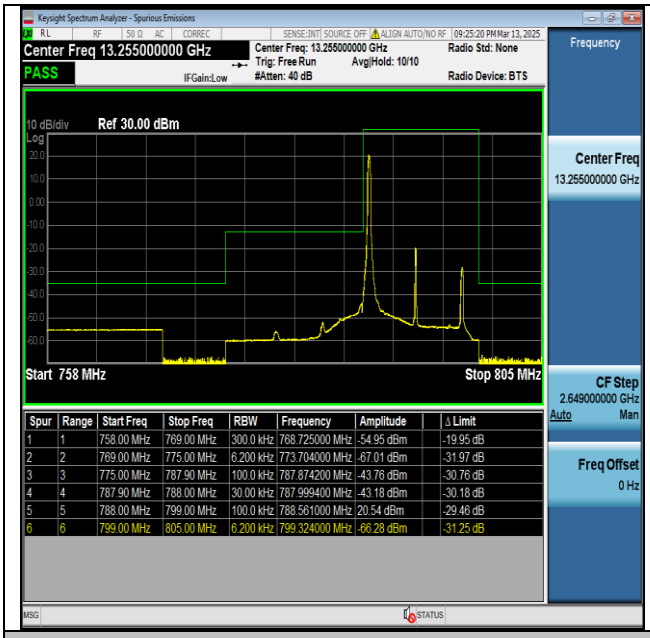
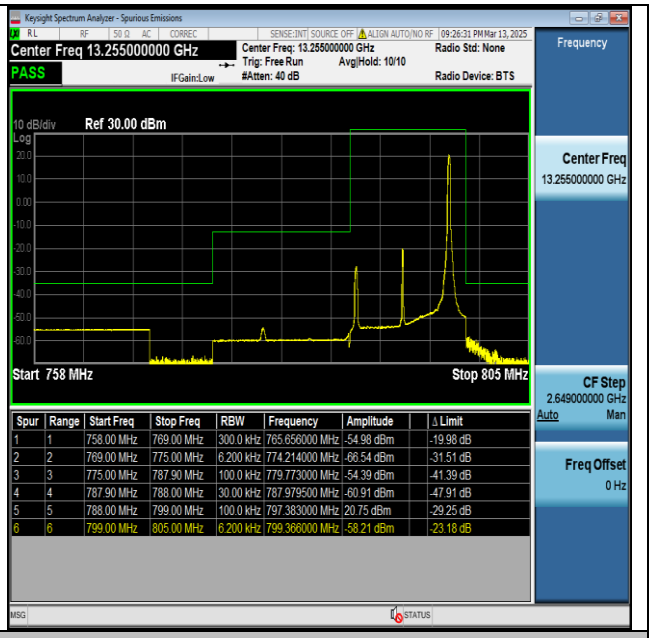
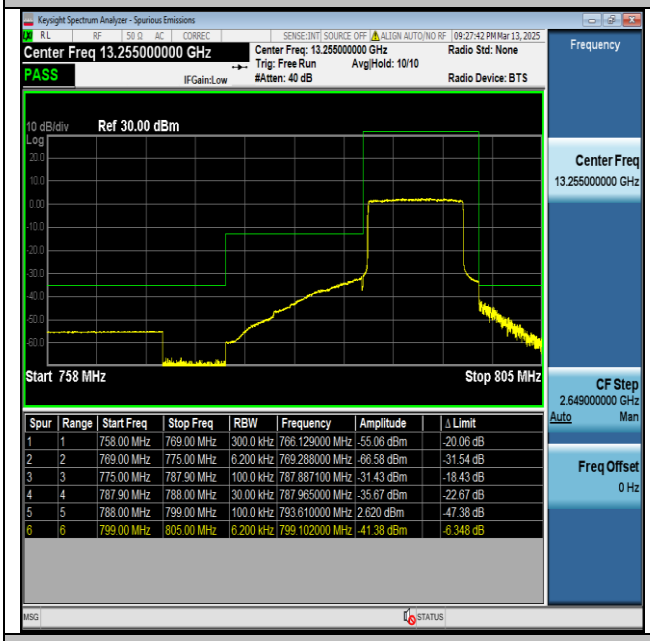


Band14-10MHz-QPSK-23330-1RB#0-PASS



Band14-10MHz-QPSK-23330-1RB#49-PASS



Band14-10MHz-QPSK-23330-50RB#0-PASS

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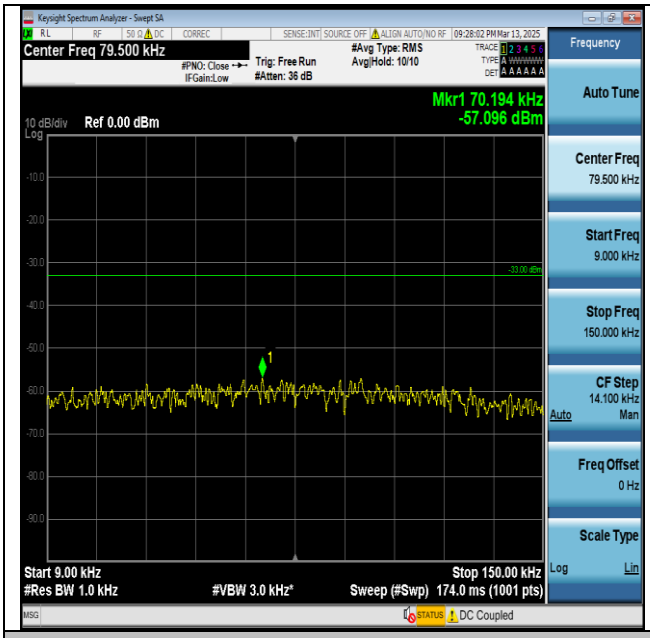
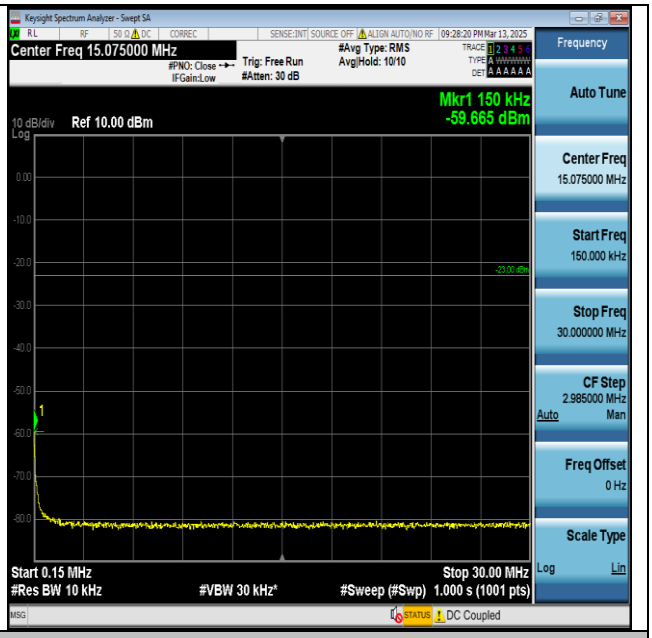
Conducted Spurious Emission

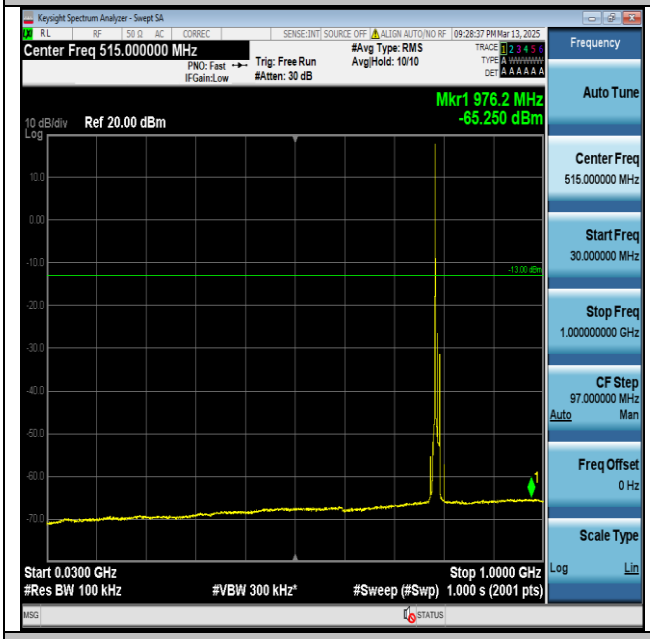
Test Graphs



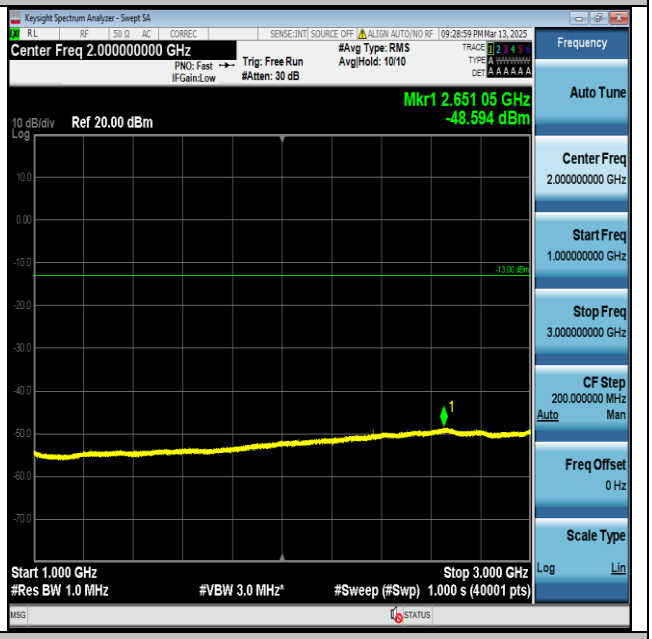
Band14-10MHz-QPSK-23330-1RB#0-0.009~0.15-PASS



Band14-10MHz-QPSK-23330-1RB#0-0.15~30-PASS



Band14-10MHz-QPSK-23330-1RB#0-30~1000-PASS



Band14-10MHz-QPSK-23330-1RB#0-1000~3000-PASS

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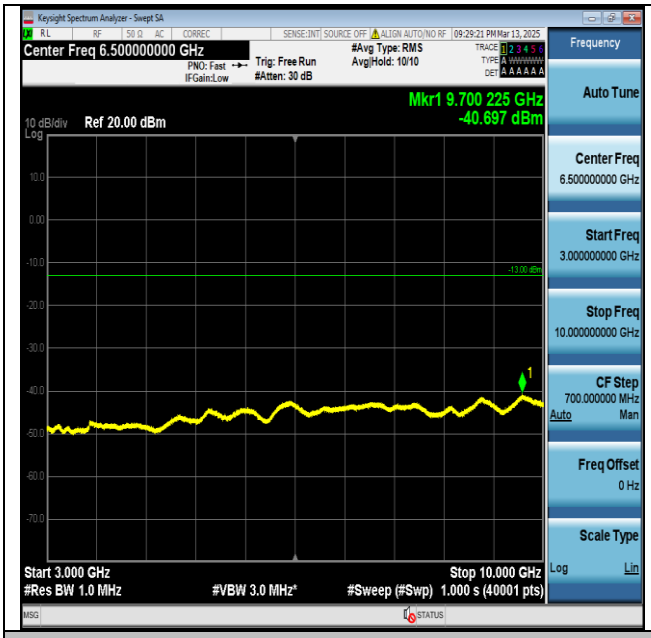

Band14-10MHz-QPSK-23330-1RB#0-3000~10000-PASS

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Frequency Stability

Test Result

Voltage									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	VN	NT	-0.20	-0.000252	PASS
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	0.20	0.000252	PASS
Band14	10MHz	QPSK	23330	50RB#0	VH	NT	0.40	0.000504	PASS

Temperature									
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	NV	-30	2.30	0.002900	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	-0.50	-0.000631	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	-0.80	-0.001009	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	-0.40	-0.000504	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	-0.50	-0.000631	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	1.50	0.001892	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	-0.90	-0.001135	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	-0.60	-0.000757	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-0.60	-0.000757	PASS

~The End~

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