Appendix-A LTE Band 14

Effective (Isotropic) Radiated Power Output Data

Test Result

Ant8:

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band14	5MHz	QPSK	23305	1RB#0	24.33	23.38	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#0	23.44	22.49	34.77	PASS
Band14	5MHz	QPSK	23305	25RB#0	23.30	22.35	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#6	23.30	22.35	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#12	24.44	23.49	34.77	PASS
Band14	5MHz	QPSK	23305	12RB#13	23.25	22.3	34.77	PASS
Band14	5MHz	QPSK	23305	1RB#24	24.26	23.31	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#0	24.21	23.26	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#0	23.13	22.18	34.77	PASS
Band14	5MHz	QPSK	23330	25RB#0	23.08	22.13	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#6	23.15	22.2	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#12	24.23	23.28	34.77	PASS
Band14	5MHz	QPSK	23330	12RB#13	23.12	22.17	34.77	PASS
Band14	5MHz	QPSK	23330	1RB#24	24.15	23.2	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#0	24.16	23.21	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#0	23.21	22.26	34.77	PASS
Band14	5MHz	QPSK	23355	25RB#0	23.14	22.19	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#6	23.14	22.19	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#12	24.25	23.3	34.77	PASS
Band14	5MHz	QPSK	23355	12RB#13	23.09	22.14	34.77	PASS
Band14	5MHz	QPSK	23355	1RB#24	24.07	23.12	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#0	22.54	21.59	34.77	PASS
Band14	5MHz	64QAM	23305	12RB#0	21.47	20.52	34.77	PASS
Band14	5MHz	64QAM	23305	25RB#0	21.42	20.47	34.77	PASS
Band14	5MHz	64QAM	23305	12RB#6	21.51	20.56	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#12	22.63	21.68	34.77	PASS
Band14	5MHz	64QAM	23305	12RB#13	21.43	20.48	34.77	PASS
Band14	5MHz	64QAM	23305	1RB#24	22.41	21.46	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#0	22.39	21.44	34.77	PASS
Band14	5MHz	64QAM	23330	12RB#0	21.15	20.2	34.77	PASS
Band14	5MHz	64QAM	23330	25RB#0	21.25	20.3	34.77	PASS
Band14	5MHz	64QAM	23330	12RB#6	21.30	20.35	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#12	22.49	21.54	34.77	PASS
Band14	5MHz	64QAM	23330	12RB#13	21.27	20.32	34.77	PASS
Band14	5MHz	64QAM	23330	1RB#24	22.30	21.35	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#0	22.37	21.42	34.77	PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

Band14	5MHz	64QAM	23355	12RB#0	21.30	20.35	34.77	PASS
Band14	5MHz	64QAM	23355	25RB#0	21.28	20.33	34.77	PASS
Band14	5MHz	64QAM	23355	12RB#6	21.31	20.36	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#12	22.38	21.43	34.77	PASS
Band14	5MHz	64QAM	23355	12RB#13	21.15	20.2	34.77	PASS
Band14	5MHz	64QAM	23355	1RB#24	22.28	21.33	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#0	19.40	18.45	34.77	PASS
Band14	5MHz	256QAM	23305	12RB#0	19.55	18.6	34.77	PASS
Band14	5MHz	256QAM	23305	25RB#0	19.42	18.47	34.77	PASS
Band14	5MHz	256QAM	23305	12RB#6	19.42	18.47	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#12	19.45	18.5	34.77	PASS
Band14	5MHz	256QAM	23305	12RB#13	19.32	18.37	34.77	PASS
Band14	5MHz	256QAM	23305	1RB#24	19.44	18.49	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#0	19.55	18.6	34.77	PASS
Band14	5MHz	256QAM	23330	12RB#0	19.24	18.29	34.77	PASS
Band14	5MHz	256QAM	23330	25RB#0	19.15	18.2	34.77	PASS
Band14	5MHz	256QAM	23330	12RB#6	19.20	18.25	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#12	19.31	18.36	34.77	PASS
Band14	5MHz	256QAM	23330	12RB#13	19.10	18.15	34.77	PASS
Band14	5MHz	256QAM	23330	1RB#24	19.54	18.59	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#0	19.52	18.57	34.77	PASS
Band14	5MHz	256QAM	23355	12RB#0	19.37	18.42	34.77	PASS
Band14	5MHz	256QAM	23355	25RB#0	19.37	18.42	34.77	PASS
Band14	5MHz	256QAM	23355	12RB#6	19.28	18.33	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#12	19.35	18.4	34.77	PASS
Band14	5MHz	256QAM	23355	12RB#13	19.28	18.33	34.77	PASS
Band14	5MHz	256QAM	23355	1RB#24	19.19	18.24	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#0	23.64	22.69	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#0	22.34	21.39	34.77	PASS
Band14	5MHz	16QAM	23305	25RB#0	22.29	21.34	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#6	22.37	21.42	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#12	23.50	22.55	34.77	PASS
Band14	5MHz	16QAM	23305	12RB#13	22.33	21.38	34.77	PASS
Band14	5MHz	16QAM	23305	1RB#24	23.53	22.58	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#0	23.53	22.58	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#0	22.19	21.24	34.77	PASS
Band14	5MHz	16QAM	23330	25RB#0	22.09	21.14	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#6	22.21	21.26	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#12	23.60	22.65	34.77	PASS
Band14	5MHz	16QAM	23330	12RB#13	22.03	21.08	34.77	PASS
Band14	5MHz	16QAM	23330	1RB#24	23.51	22.56	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#0	23.34	22.39	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#0	22.16	21.21	34.77	PASS
Band14	5MHz	16QAM	23355	25RB#0	22.19	21.24	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#6	22.24	21.29	34.77	PASS

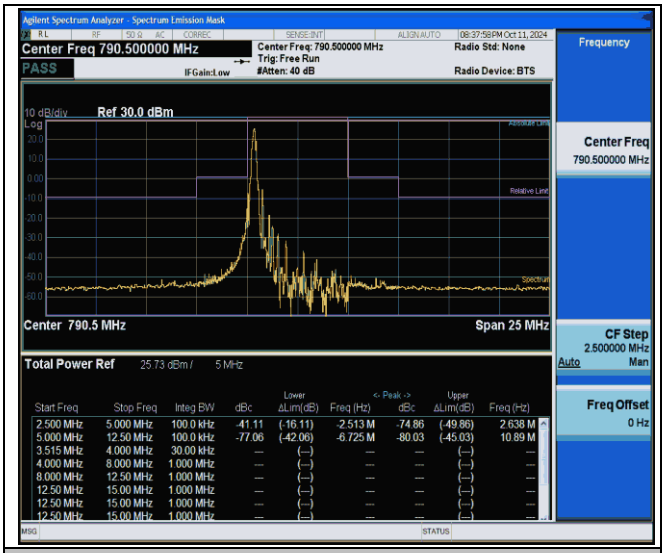
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

Band14	5MHz	16QAM	23355	1RB#12	23.53	22.58	34.77	PASS
Band14	5MHz	16QAM	23355	12RB#13	22.15	21.2	34.77	PASS
Band14	5MHz	16QAM	23355	1RB#24	23.48	22.53	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#0	24.11	23.16	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#0	23.11	22.16	34.77	PASS
Band14	10MHz	QPSK	23330	50RB#0	23.13	22.18	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#12	23.12	22.17	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#24	24.15	23.2	34.77	PASS
Band14	10MHz	QPSK	23330	25RB#25	23.18	22.23	34.77	PASS
Band14	10MHz	QPSK	23330	1RB#49	24.29	23.34	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#0	22.60	21.65	34.77	PASS
Band14	10MHz	64QAM	23330	25RB#0	21.19	20.24	34.77	PASS
Band14	10MHz	64QAM	23330	50RB#0	21.23	20.28	34.77	PASS
Band14	10MHz	64QAM	23330	25RB#12	21.18	20.23	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#24	22.40	21.45	34.77	PASS
Band14	10MHz	64QAM	23330	25RB#25	21.21	20.26	34.77	PASS
Band14	10MHz	64QAM	23330	1RB#49	22.27	21.32	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#0	19.53	18.58	34.77	PASS
Band14	10MHz	256QAM	23330	25RB#0	19.18	18.23	34.77	PASS
Band14	10MHz	256QAM	23330	50RB#0	19.25	18.3	34.77	PASS
Band14	10MHz	256QAM	23330	25RB#12	19.28	18.33	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#24	19.44	18.49	34.77	PASS
Band14	10MHz	256QAM	23330	25RB#25	19.20	18.25	34.77	PASS
Band14	10MHz	256QAM	23330	1RB#49	19.54	18.59	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#0	23.39	22.44	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#0	22.16	21.21	34.77	PASS
Band14	10MHz	16QAM	23330	50RB#0	22.09	21.14	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#12	22.13	21.18	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#24	23.41	22.46	34.77	PASS
Band14	10MHz	16QAM	23330	25RB#25	22.08	21.13	34.77	PASS
Band14	10MHz	16QAM	23330	1RB#49	23.44	22.49	34.77	PASS

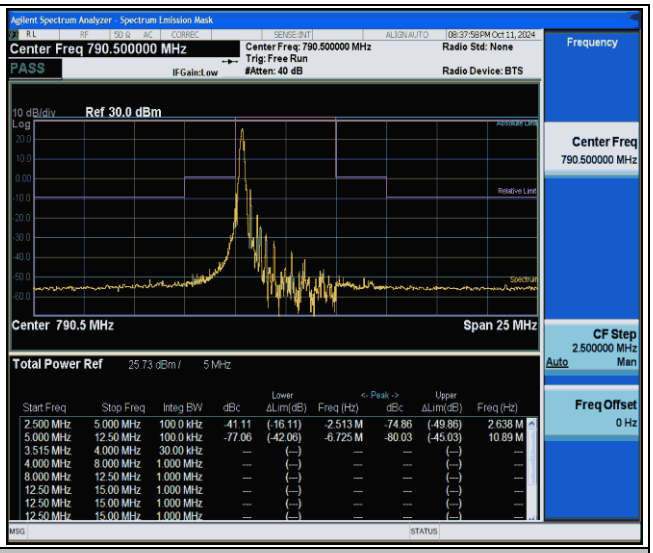
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

Spectrum_emission_mask

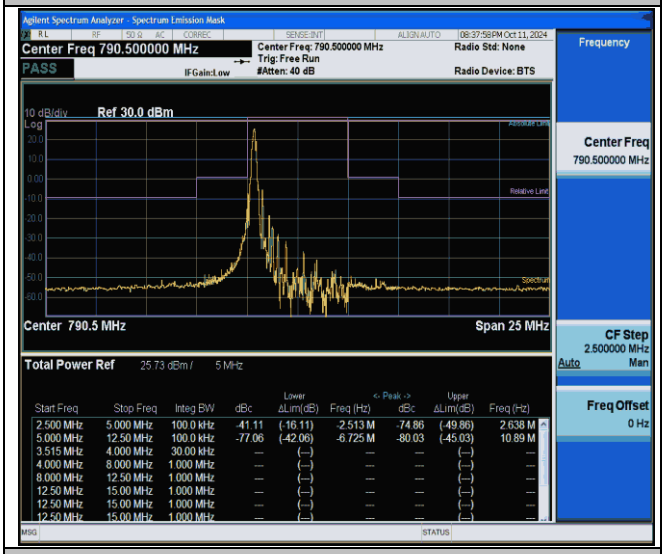
Test Graphs



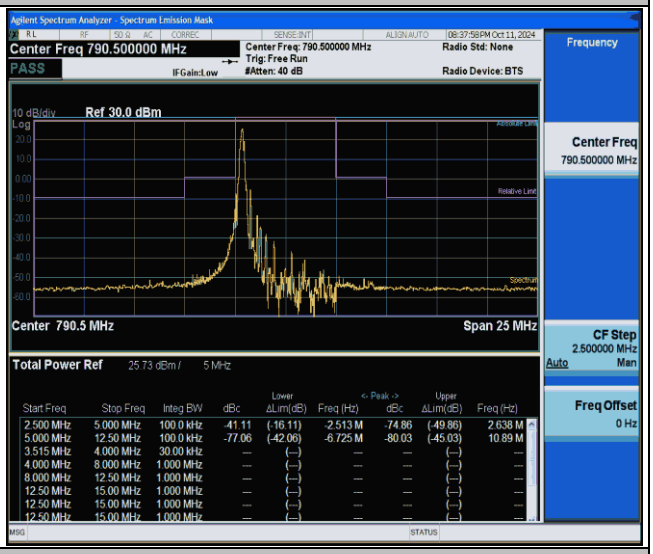
NTNV-Band14-5MHz-QPSK-23305-1RB#0--12.50--5.00-PASS



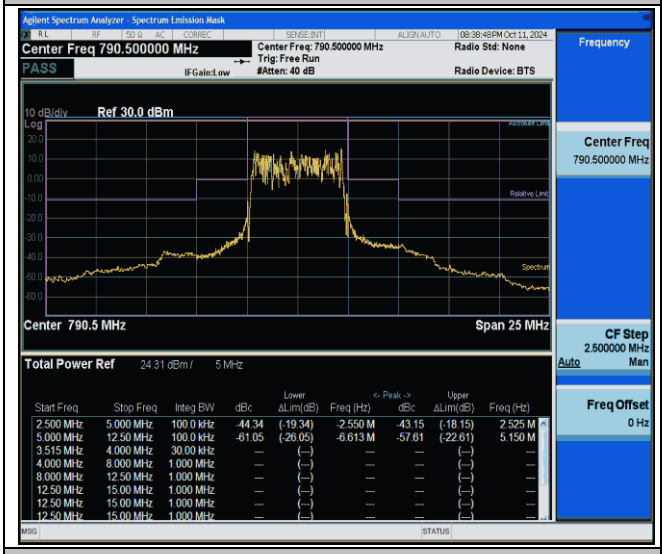
NTNV-Band14-5MHz-QPSK-23305-1RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-QPSK-23305-1RB#0-2.50-5.00-PASS



NTNV-Band14-5MHz-QPSK-23305-1RB#0-5.00-12.50-PASS



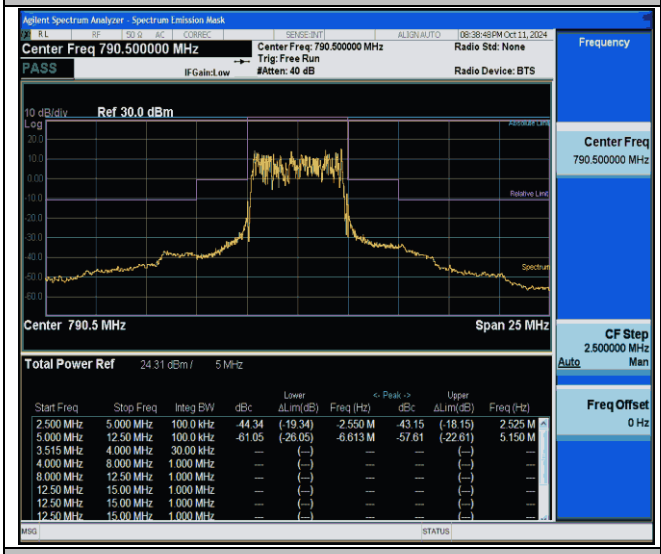
NTNV-Band14-5MHz-QPSK-23305-25RB#0--12.50--5.00-PASS

NTNV-Band14-5MHz-QPSK-23305-25RB#0--5.00--2.50-PASS

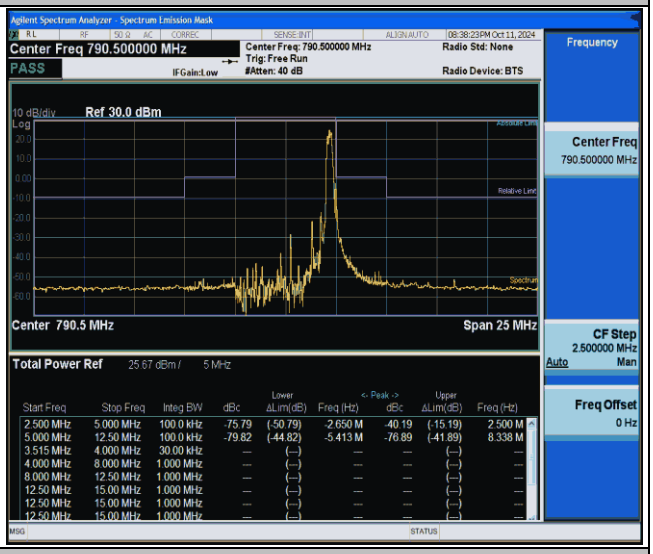
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

NTNV-Band14-5MHz-QPSK-23305-25RB#0--2.50-2.50-PASS

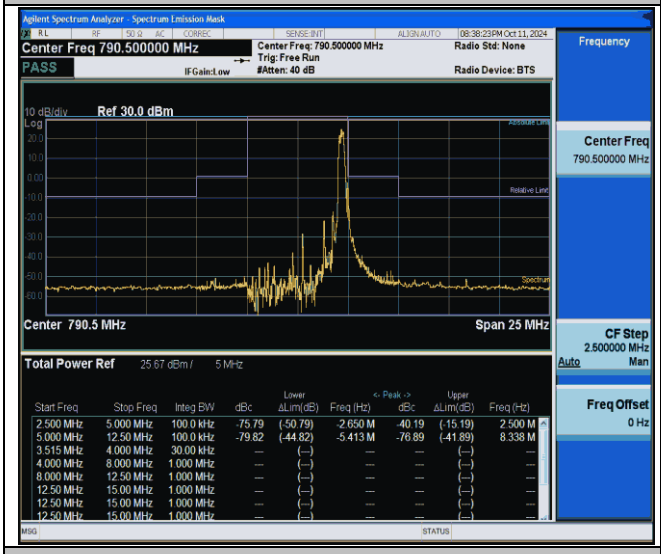
NTNV-Band14-5MHz-QPSK-23305-25RB#0-2.50-5.00-PASS



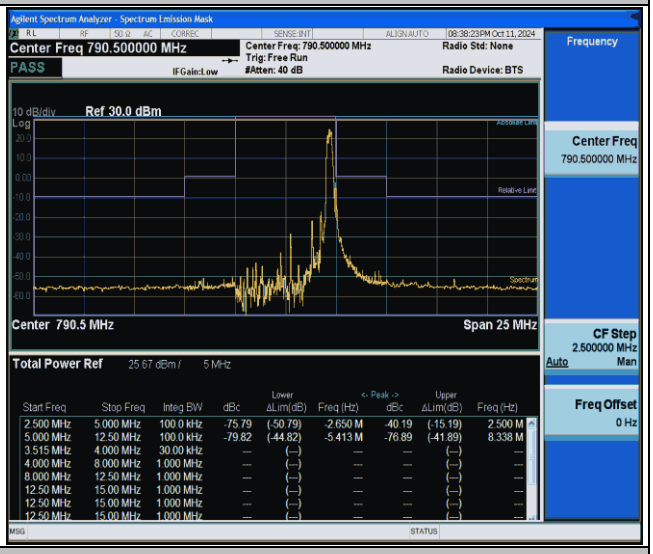
NTNV-Band14-5MHz-QPSK-23305-25RB#0-5.00-12.50-PASS



NTNV-Band14-5MHz-QPSK-23305-1RB#24--12.50--5.00-PASS

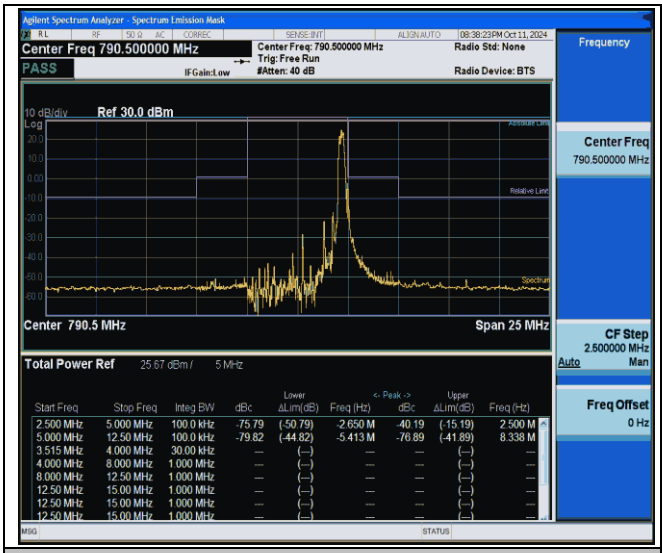


NTNV-Band14-5MHz-QPSK-23305-1RB#24--5.00--2.50-PASS

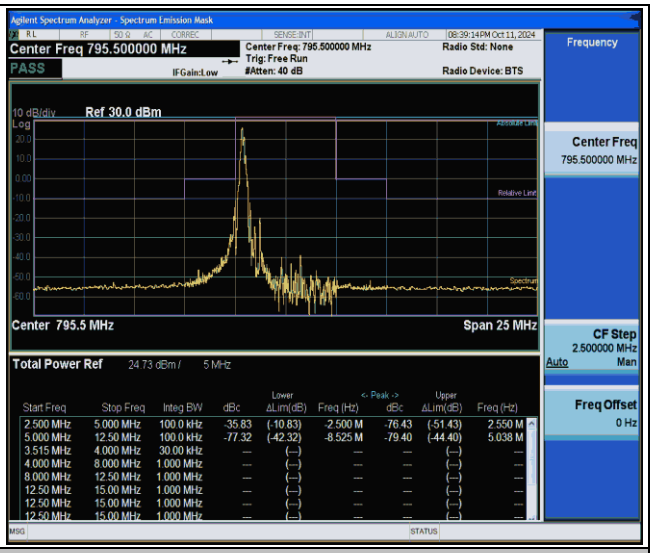


NTNV-Band14-5MHz-QPSK-23305-1RB#24--2.50-2.50-PASS

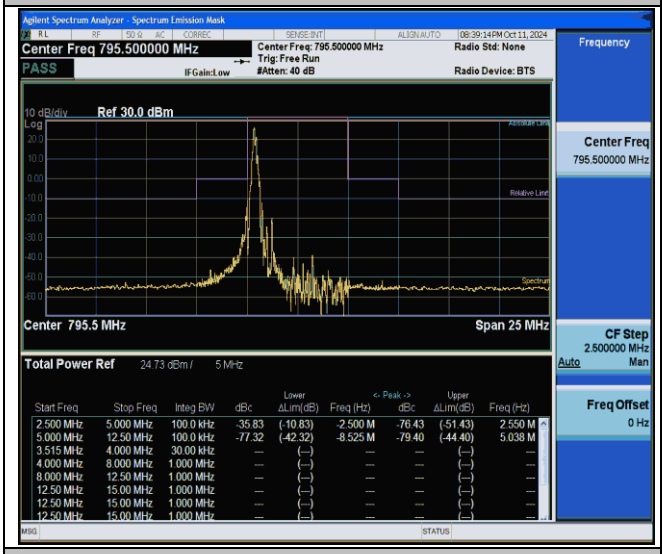
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



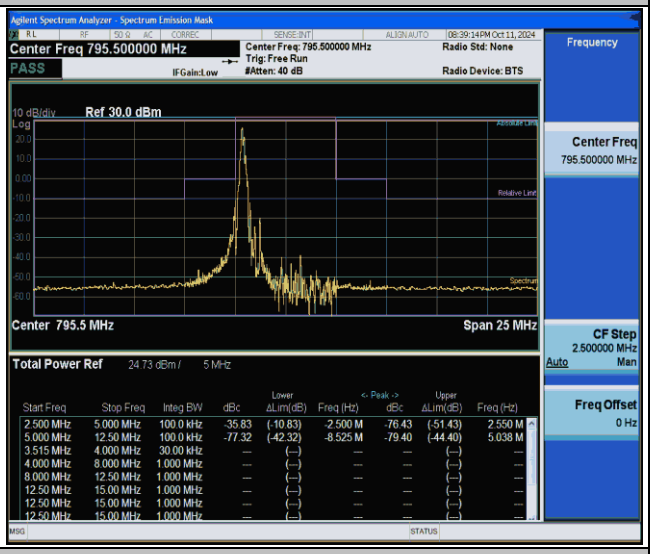
NTNV-Band14-5MHz-QPSK-23305-1RB#24-5.00-12.50-PASS



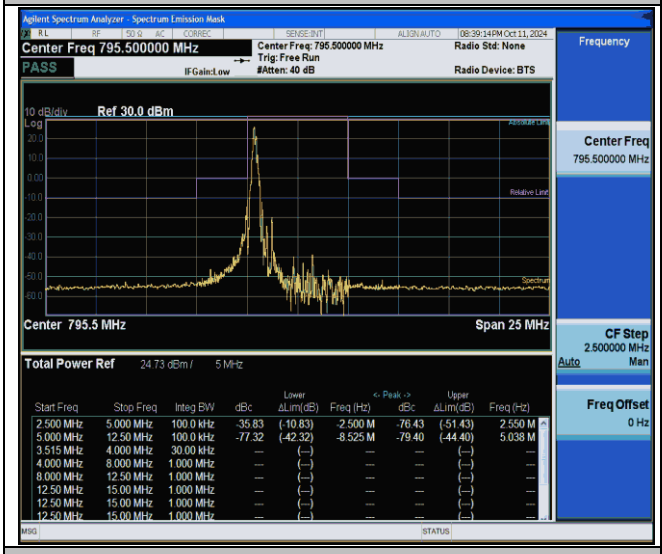
NTNV-Band14-5MHz-QPSK-23355-1RB#0--12.50--5.00-PASS



NTNV-Band14-5MHz-QPSK-23355-1RB#0--5.00--2.50-PASS



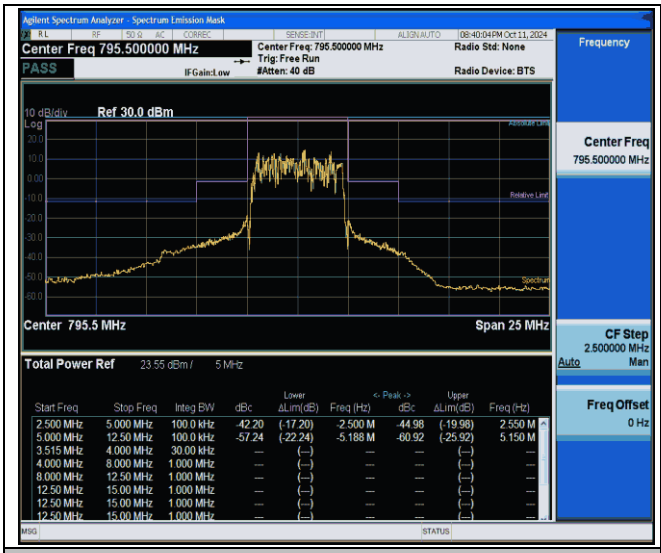
NTNV-Band14-5MHz-QPSK-23355-1RB#0-2.50-5.00-PASS



NTNV-Band14-5MHz-QPSK-23355-1RB#0-5.00-12.50-PASS

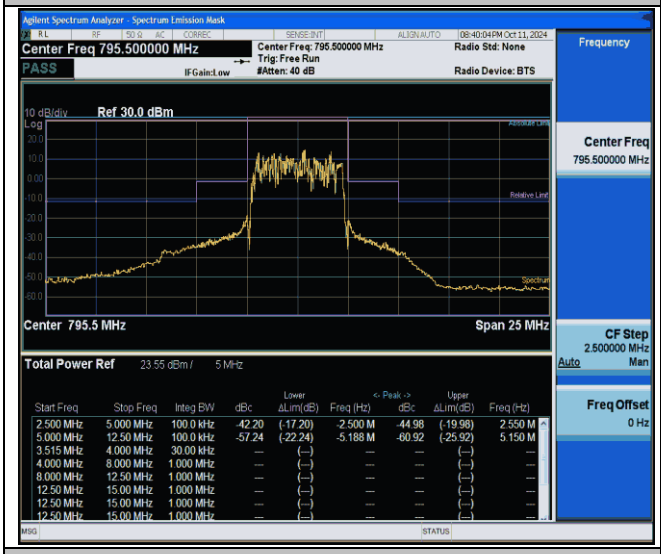
NTNV-Band14-5MHz-QPSK-23355-25RB#0--12.50--5.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

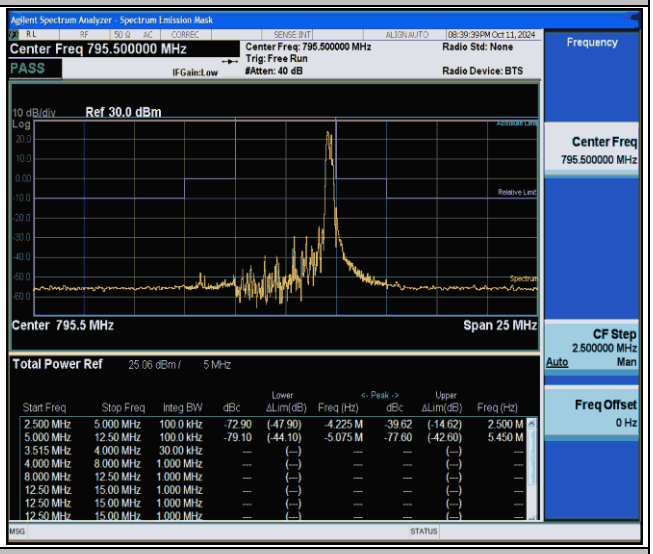


NTNV-Band14-5MHz-QPSK-23355-25RB#0--5.00--2.50-PASS

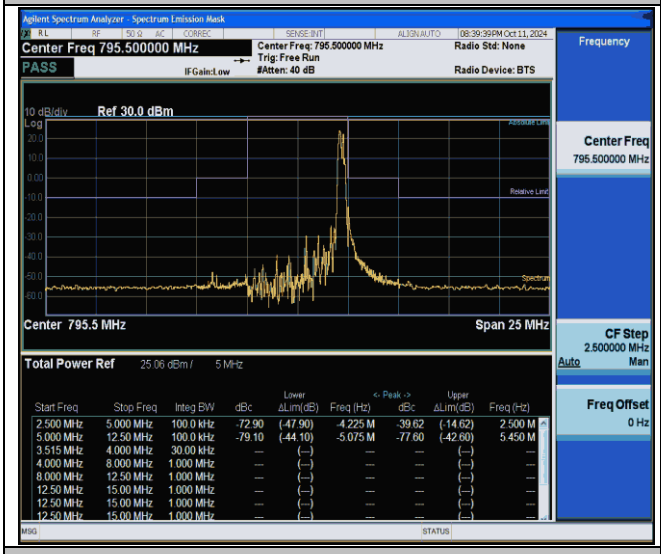
NTNV-Band14-5MHz-QPSK-23355-25RB#0-2.50-5.00-PASS



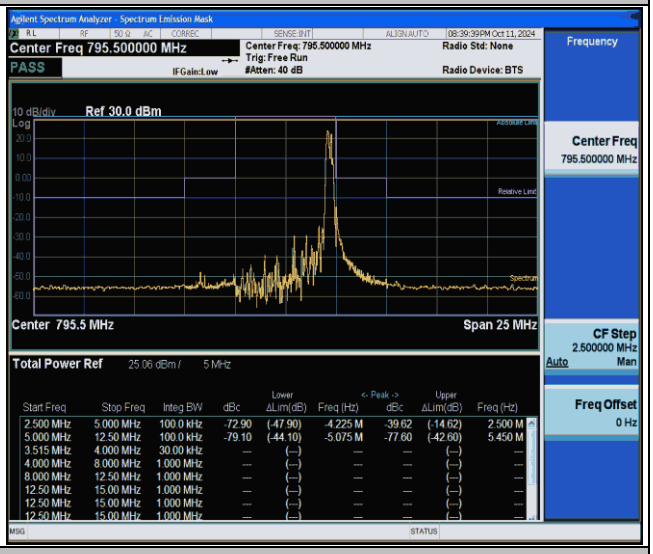
NTNV-Band14-5MHz-QPSK-23355-25RB#0-5.00-12.50-PASS



NTNV-Band14-5MHz-QPSK-23355-1RB#24--12.50--5.00-PASS

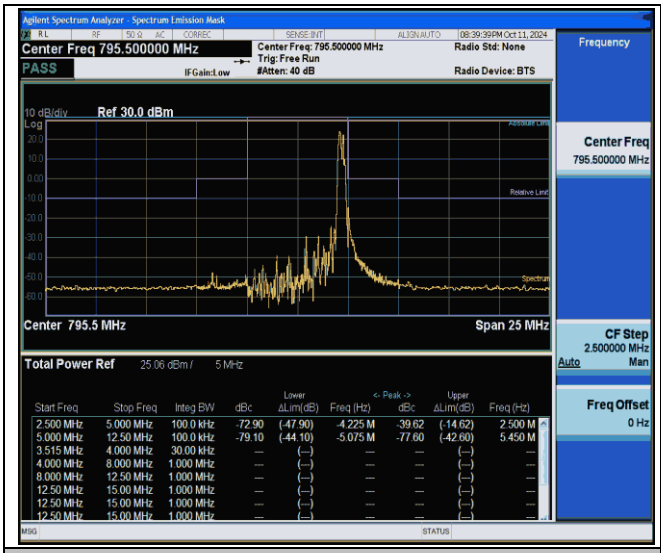


NTNV-Band14-5MHz-QPSK-23355-1RB#24--5.00--2.50-PASS

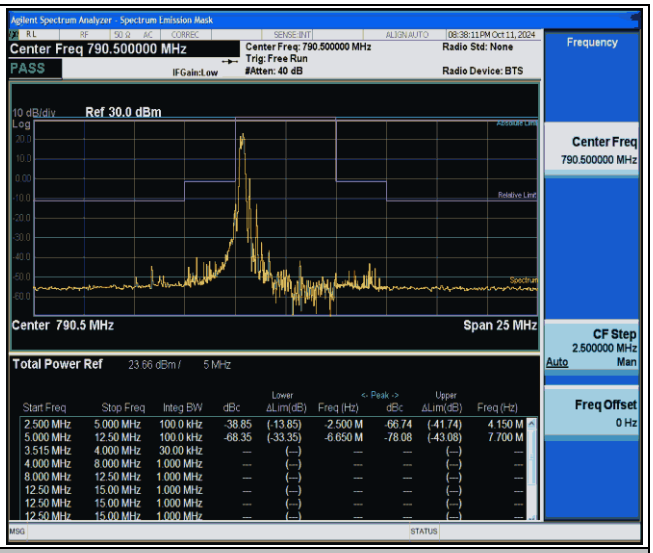


NTNV-Band14-5MHz-QPSK-23355-1RB#24--2.50-2.50-PASS

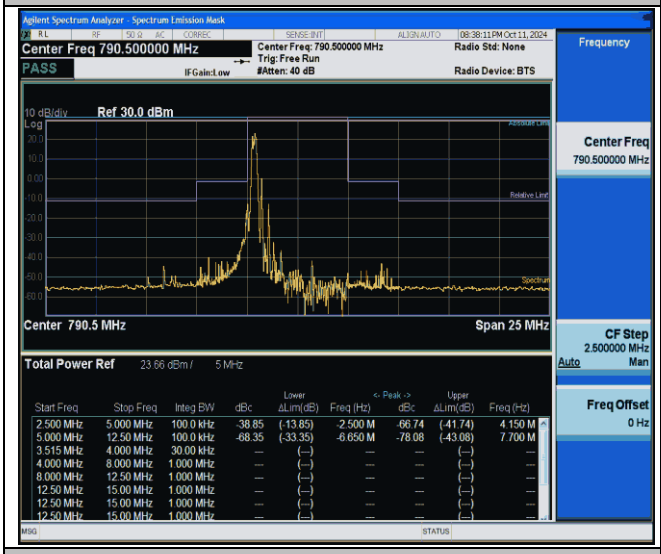
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



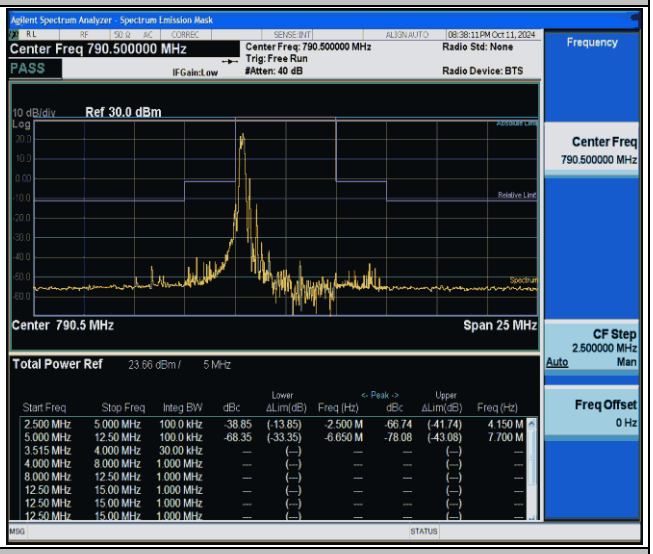
NTNV-Band14-5MHz-QPSK-23355-1RB#24-5.00-12.50-PASS



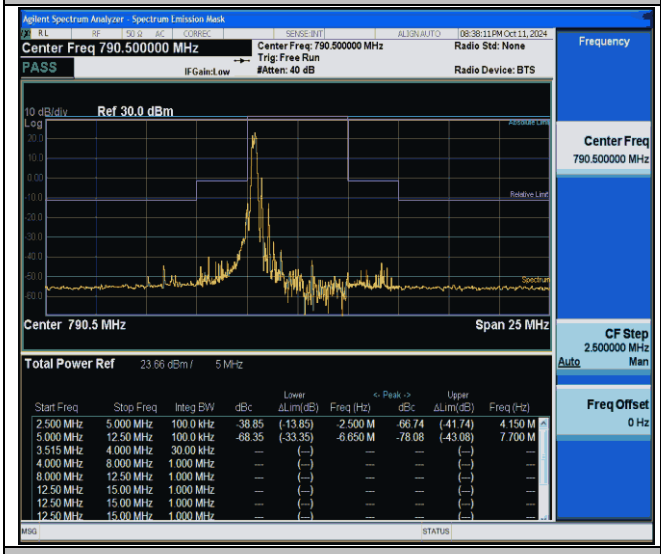
NTNV-Band14-5MHz-16QAM-23305-1RB#0--12.50--5.00-PASS



NTNV-Band14-5MHz-16QAM-23305-1RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-16QAM-23305-1RB#0-2.50-5.00-PASS



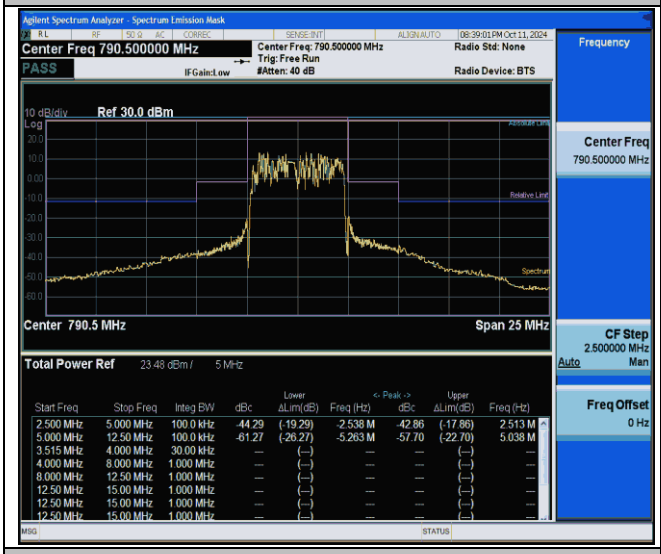
NTNV-Band14-5MHz-16QAM-23305-1RB#0-5.00-12.50-PASS

NTNV-Band14-5MHz-16QAM-23305-25RB#0--12.50--5.00-PASS

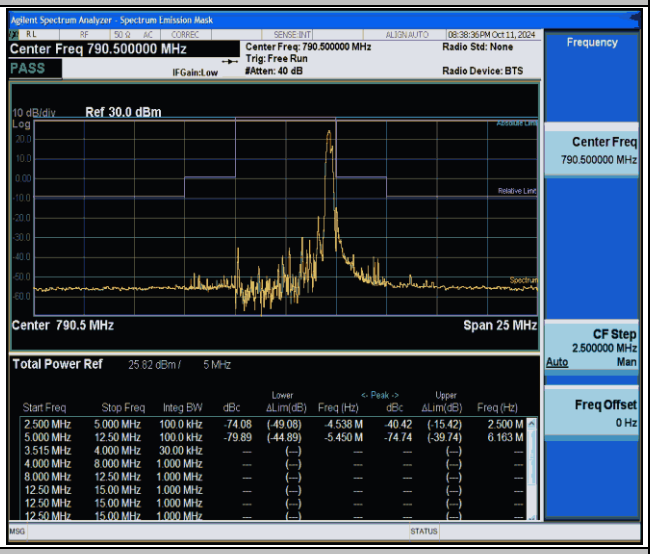
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

NTNV-Band14-5MHz-16QAM-23305-25RB#0--5.00--2.50-PASS

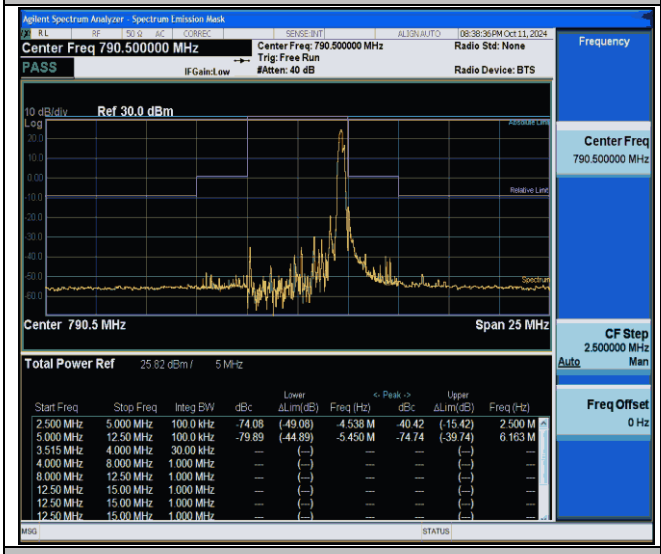
NTNV-Band14-5MHz-16QAM-23305-25RB#0-2.50-5.00-PASS



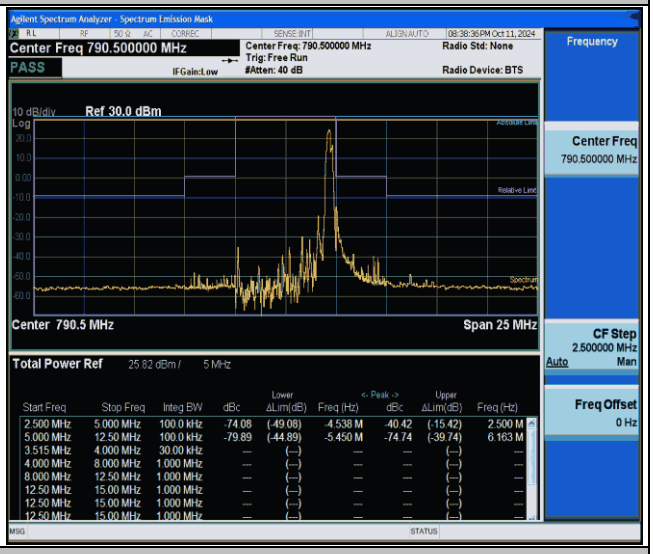
NTNV-Band14-5MHz-16QAM-23305-25RB#0-5.00-12.50-PASS



NTNV-Band14-5MHz-16QAM-23305-1RB#24--12.50--5.00-PASS

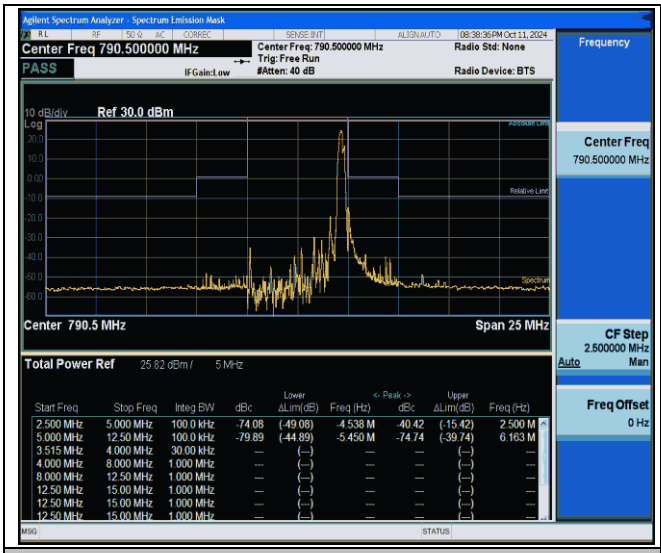


NTNV-Band14-5MHz-16QAM-23305-1RB#24--5.00--2.50-PASS

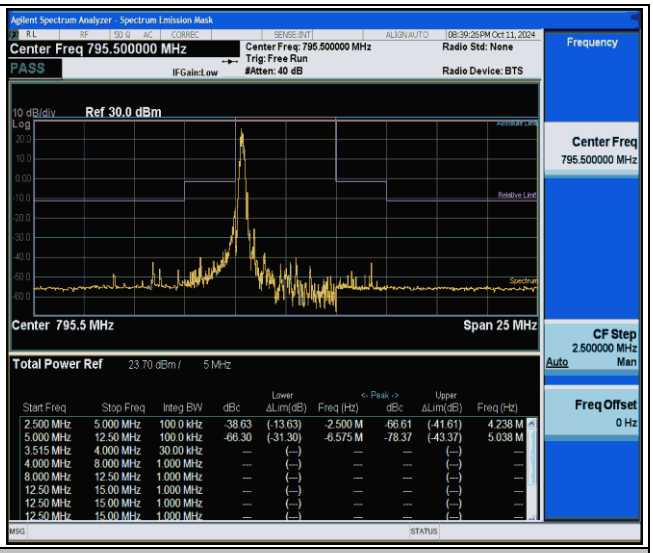


NTNV-Band14-5MHz-16QAM-23305-1RB#24--2.50-2.50-PASS

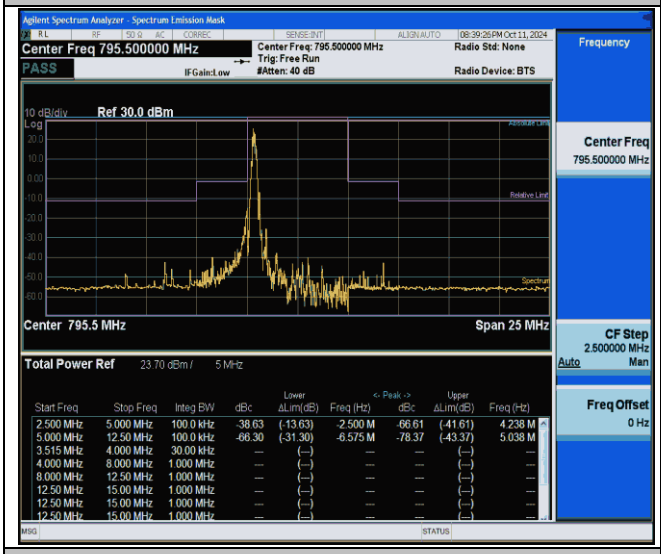
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



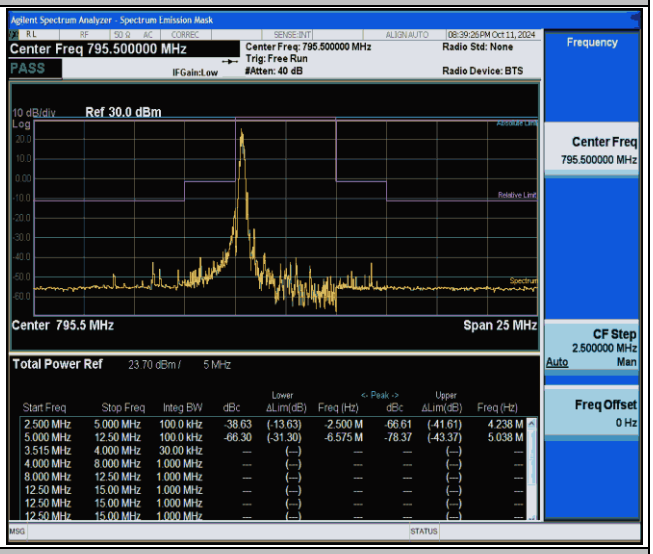
NTNV-Band14-5MHz-16QAM-23305-1RB#24-5.00-12.50-PASS



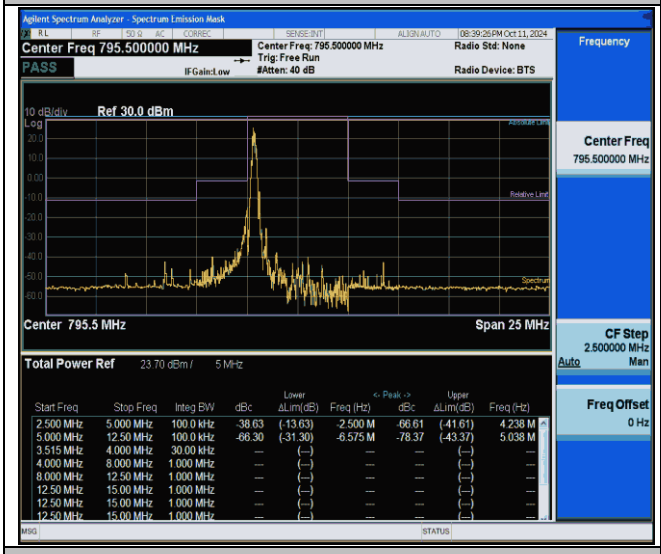
NTNV-Band14-5MHz-16QAM-23355-1RB#0--12.50--5.00-PASS



NTNV-Band14-5MHz-16QAM-23355-1RB#0--5.00--2.50-PASS



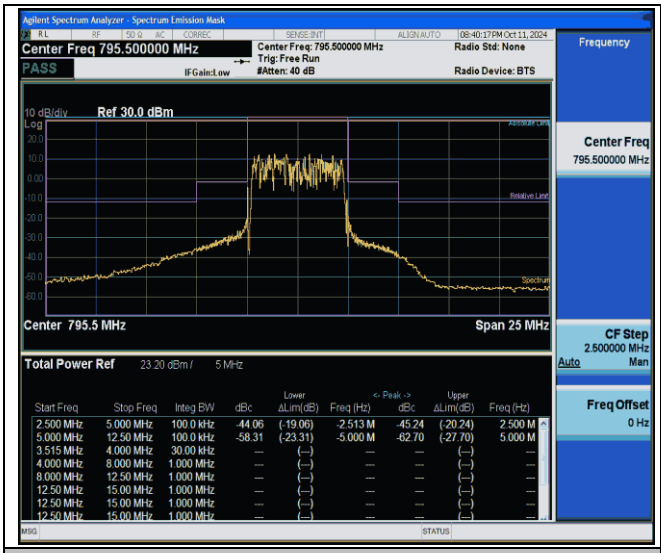
NTNV-Band14-5MHz-16QAM-23355-1RB#0-2.50-5.00-PASS



NTNV-Band14-5MHz-16QAM-23355-1RB#0-5.00-12.50-PASS

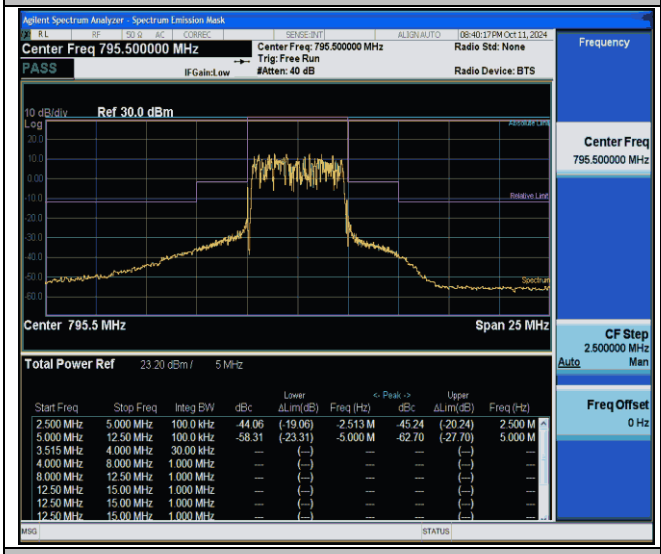
NTNV-Band14-5MHz-16QAM-23355-25RB#0--12.50--5.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

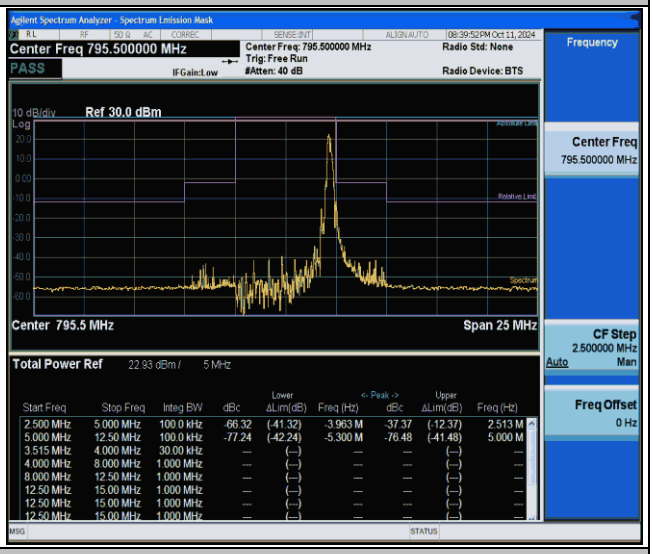


NTNV-Band14-5MHz-16QAM-23355-25RB#0--5.00--2.50-PASS

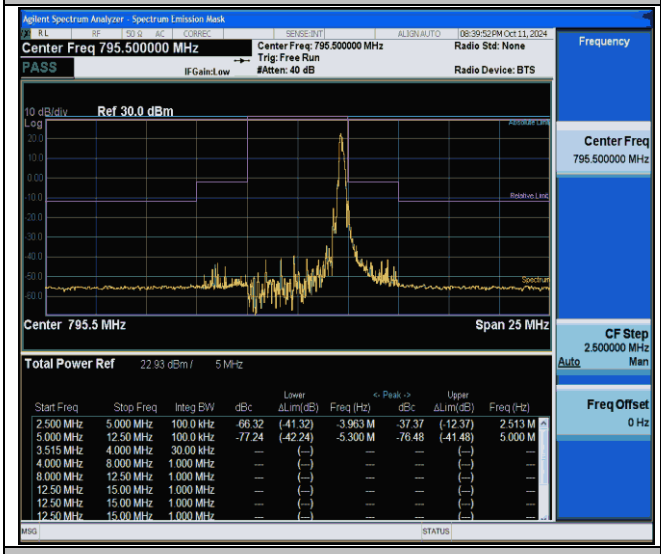
NTNV-Band14-5MHz-16QAM-23355-25RB#0--2.50-2.50-PASS



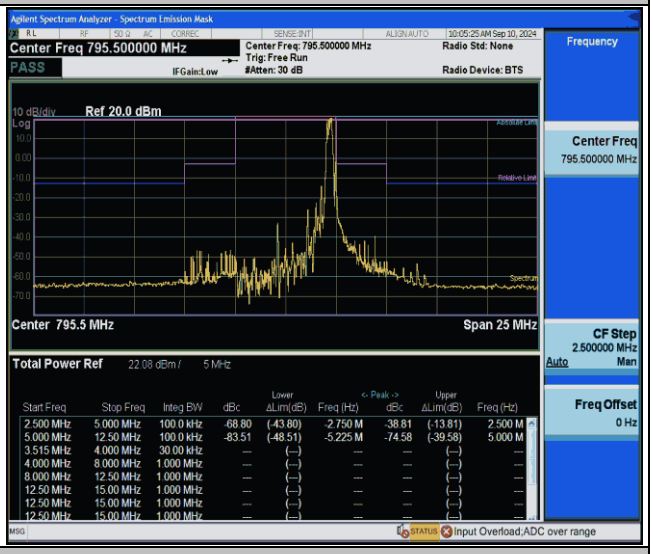
NTNV-Band14-5MHz-16QAM-23355-25RB#0-2.50-5.00-PASS



NTNV-Band14-5MHz-16QAM-23355-1RB#24--12.50--5.00-PASS

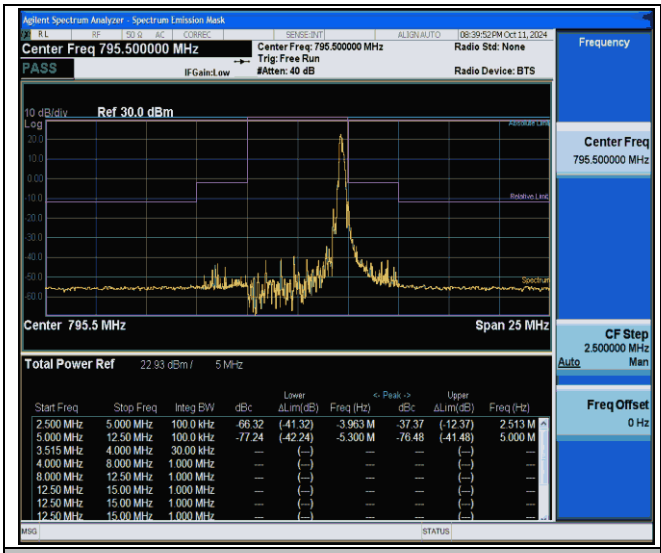


NTNV-Band14-5MHz-16QAM-23355-1RB#24--5.00--2.50-PASS

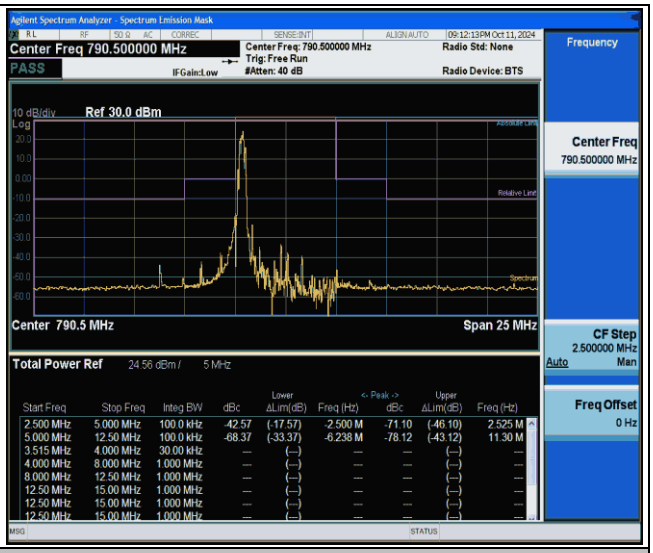


NTNV-Band14-5MHz-16QAM-23355-1RB#24--2.50-2.50-PASS

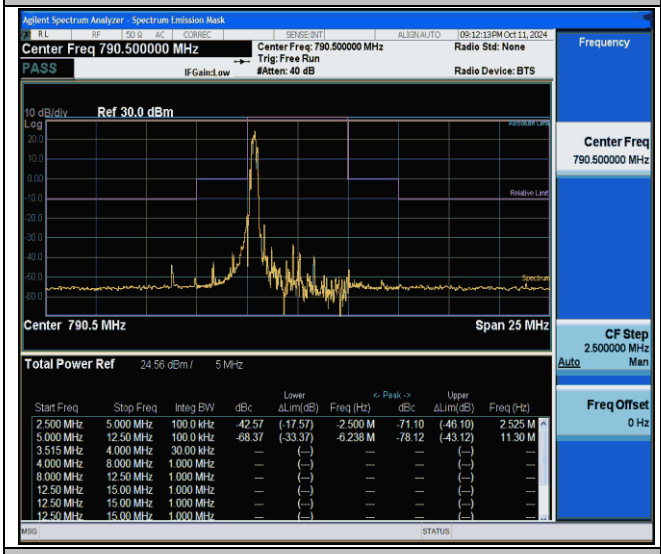
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



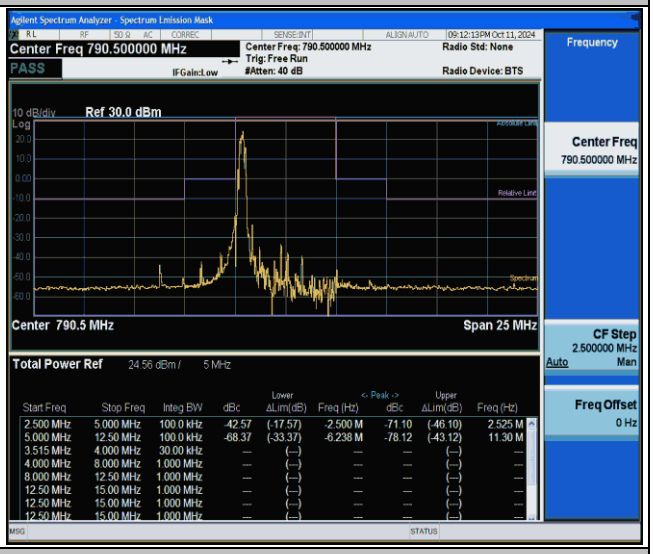
NTNV-Band14-5MHz-16QAM-23355-1RB#24-2.50-5.00-PASS



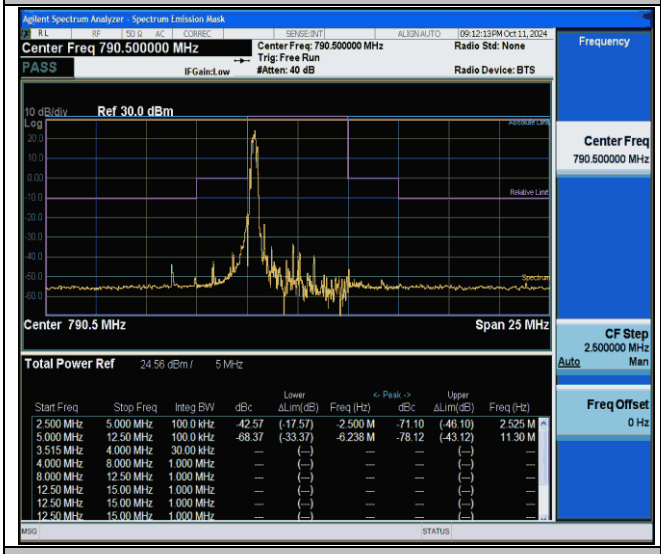
NTNV-Band14-5MHz-64QAM-23305-1RB#0--12.50--5.00-PASS



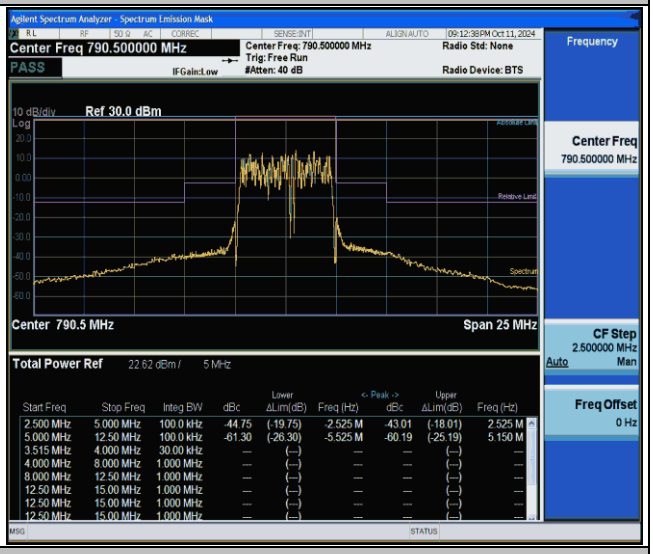
NTNV-Band14-5MHz-64QAM-23305-1RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-64QAM-23305-1RB#0-2.50-5.00-PASS



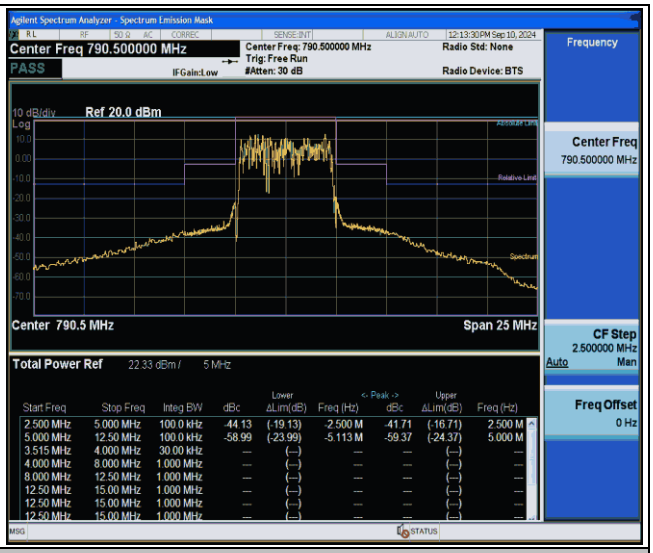
NTNV-Band14-5MHz-64QAM-23305-1RB#0-5.00-12.50-PASS



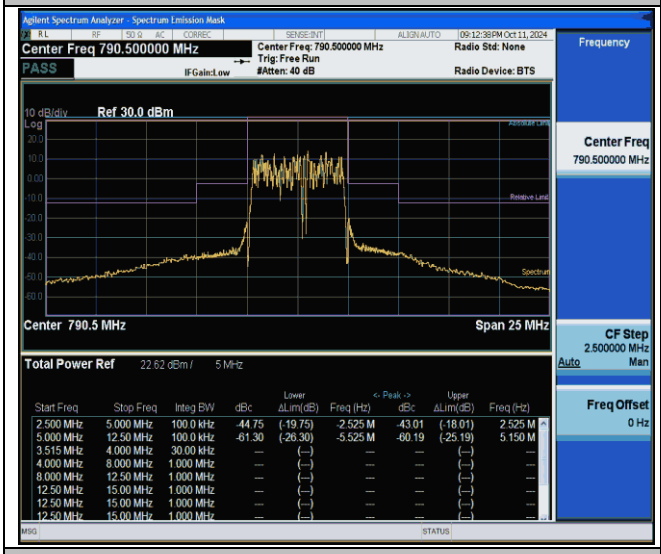
NTNV-Band14-5MHz-64QAM-23305-25RB#0--12.50--5.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

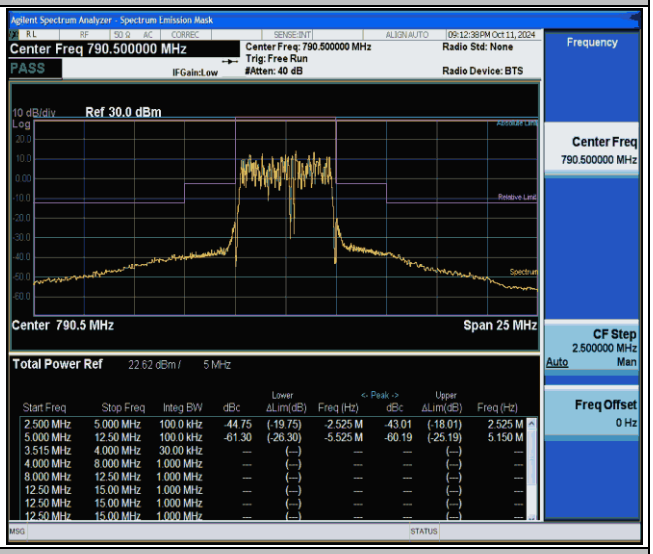
NTNV-Band14-5MHz-64QAM-23305-25RB#0--5.00--2.50-PASS



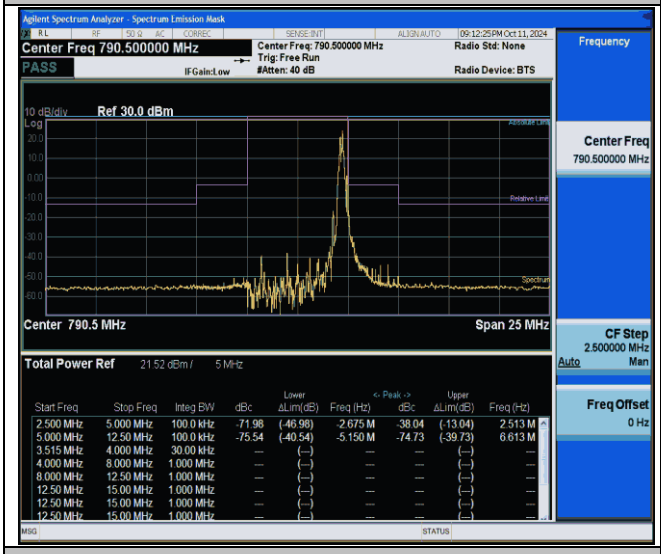
NTNV-Band14-5MHz-64QAM-23305-25RB#0--2.50-2.50-PASS



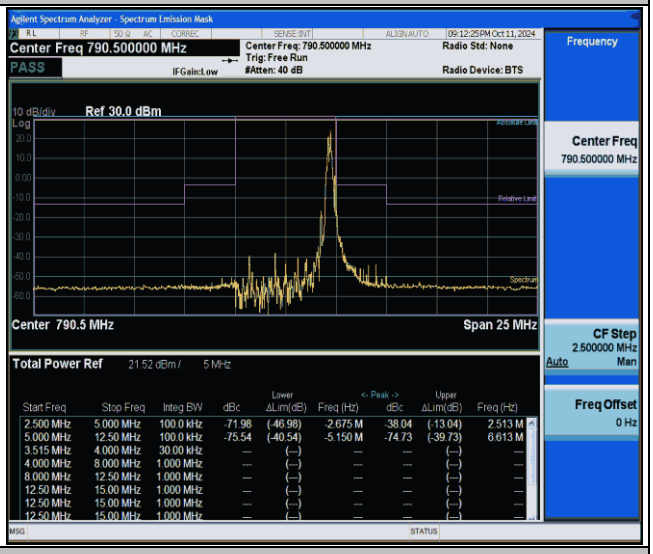
NTNV-Band14-5MHz-64QAM-23305-25RB#0-2.50-5.00-PASS



NTNV-Band14-5MHz-64QAM-23305-25RB#0-5.00-12.50-PASS

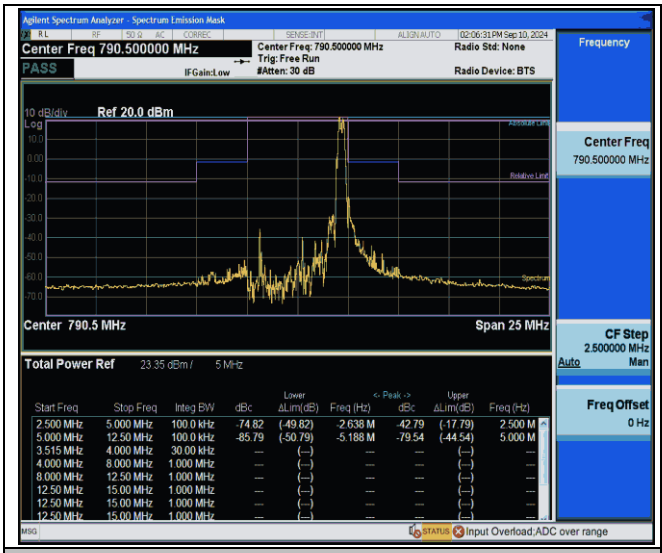


NTNV-Band14-5MHz-64QAM-23305-1RB#24--12.50--5.00-PASS

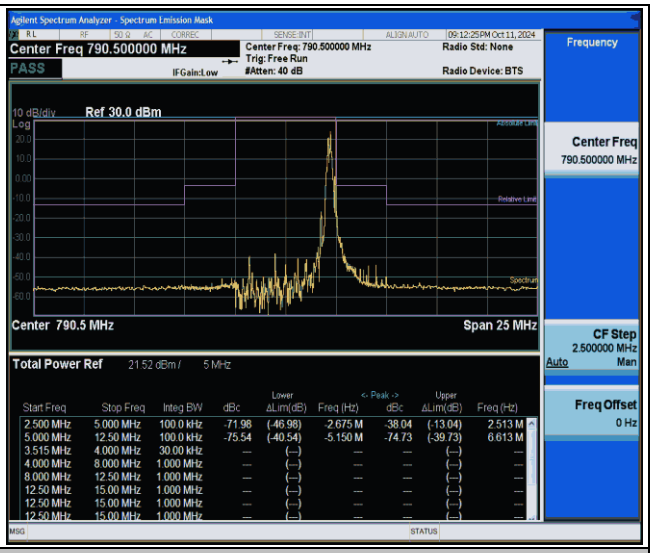


NTNV-Band14-5MHz-64QAM-23305-1RB#24--5.00--2.50-PASS

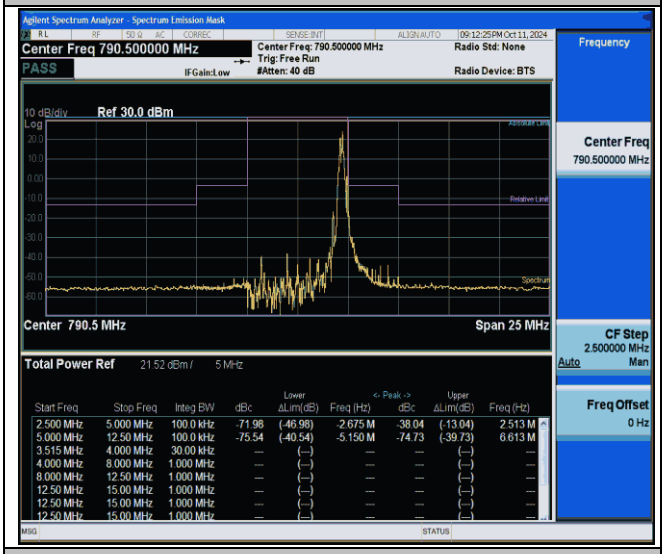
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



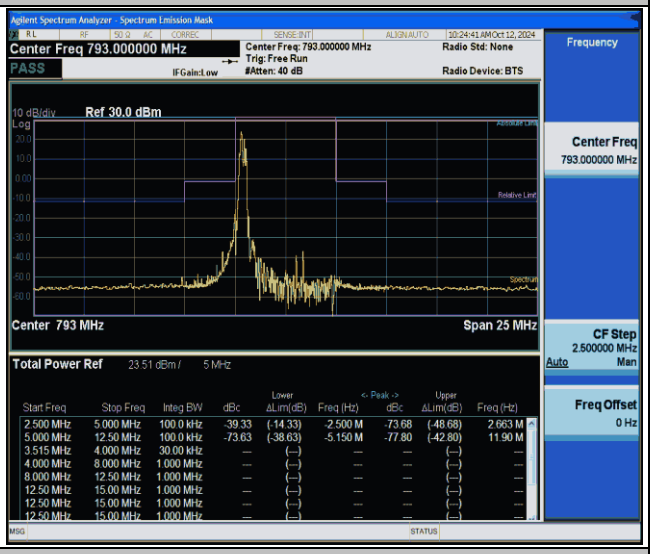
NTNV-Band14-5MHz-64QAM-23305-1RB#24--2.50-2.50-PASS



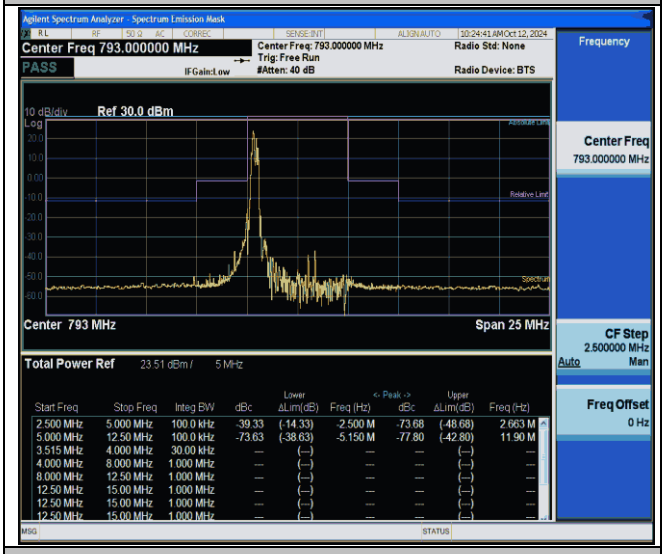
NTNV-Band14-5MHz-64QAM-23305-1RB#24-2.50-5.00-PASS



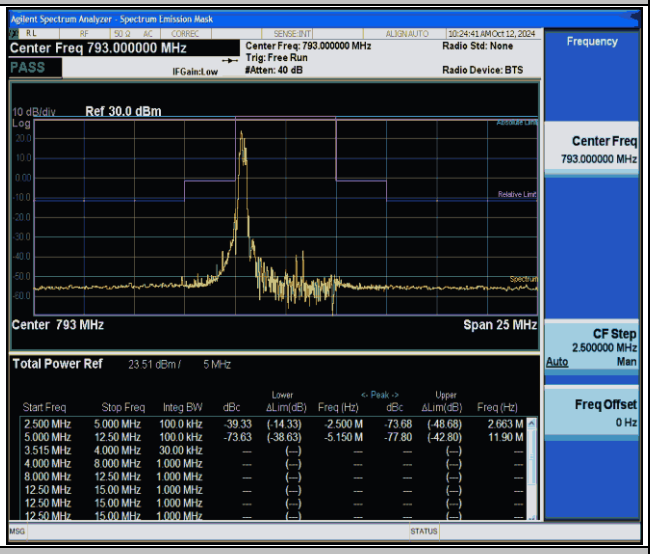
NTNV-Band14-5MHz-64QAM-23305-1RB#24-5.00-12.50-PASS



NTNV-Band14-5MHz-64QAM-23330-1RB#0--12.50--5.00-PASS

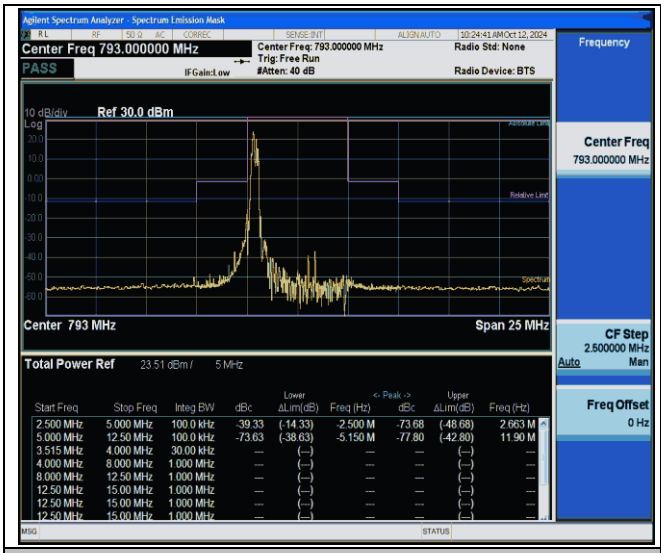


NTNV-Band14-5MHz-64QAM-23330-1RB#0--5.00--2.50-PASS



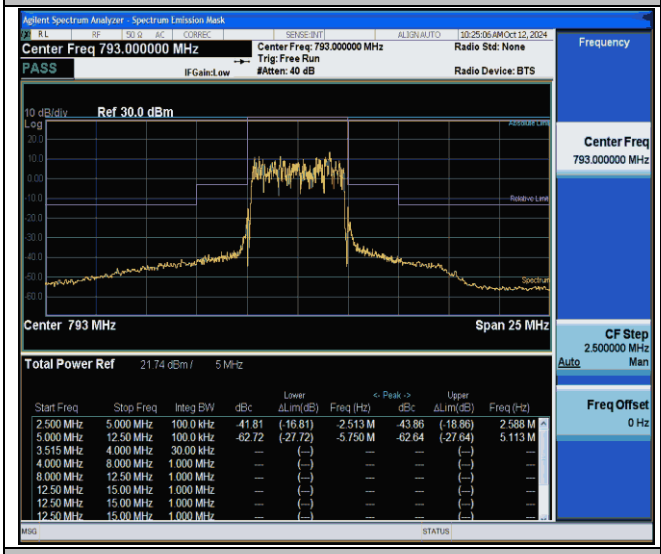
NTNV-Band14-5MHz-64QAM-23330-1RB#0-2.50-5.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

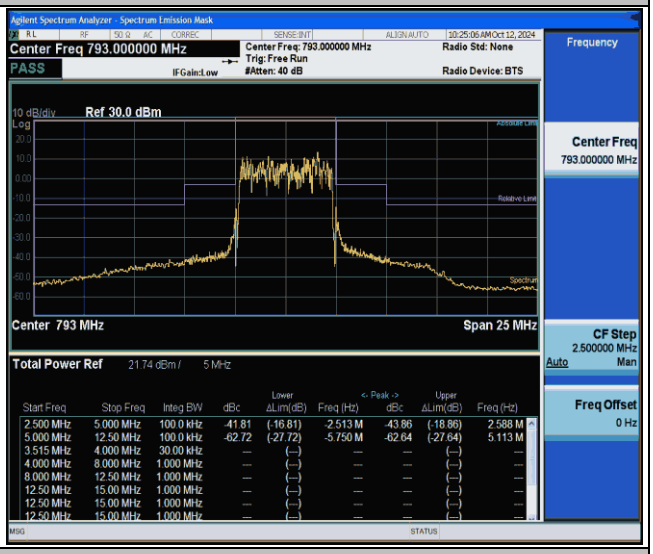


NTNV-Band14-5MHz-64QAM-23330-1RB#0-5.00-12.50-PASS

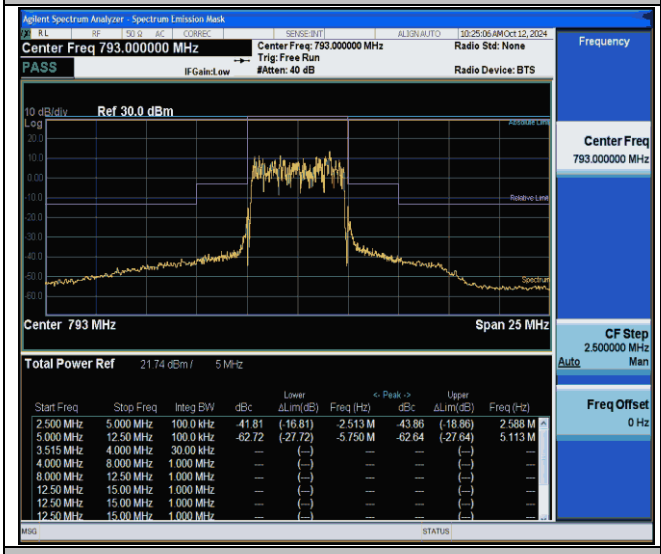
NTNV-Band14-5MHz-64QAM-23330-25RB#0--12.50--5.00-PASS



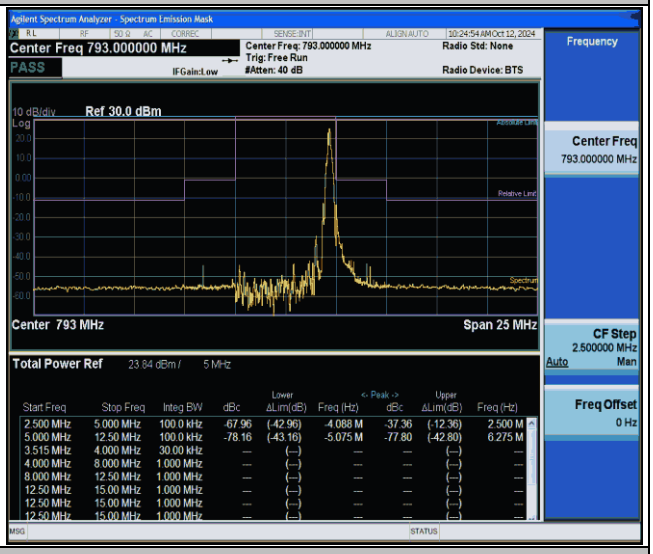
NTNV-Band14-5MHz-64QAM-23330-25RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-64QAM-23330-25RB#0-2.50-5.00-PASS

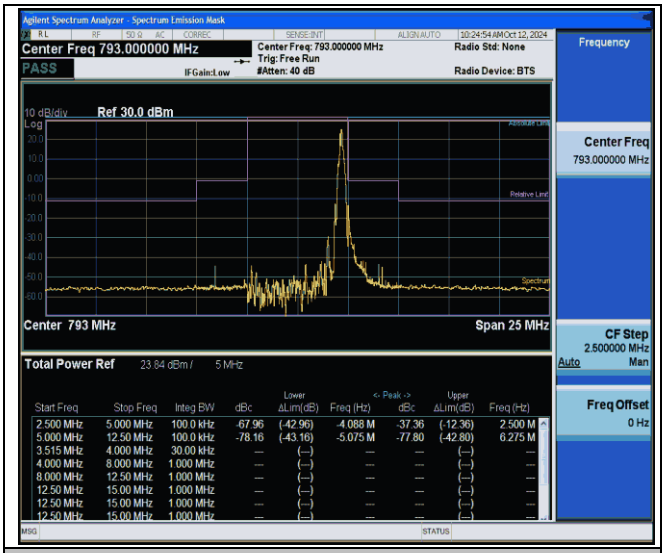


NTNV-Band14-5MHz-64QAM-23330-25RB#0-5.00-12.50-PASS

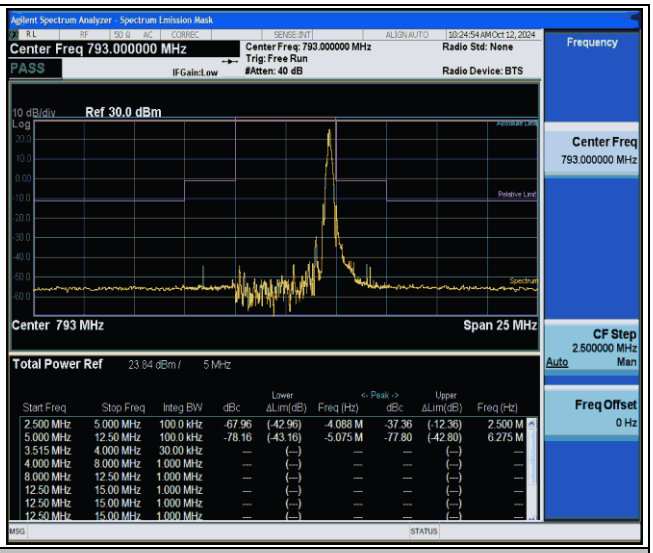


NTNV-Band14-5MHz-64QAM-23330-1RB#24--12.50--5.00-PASS

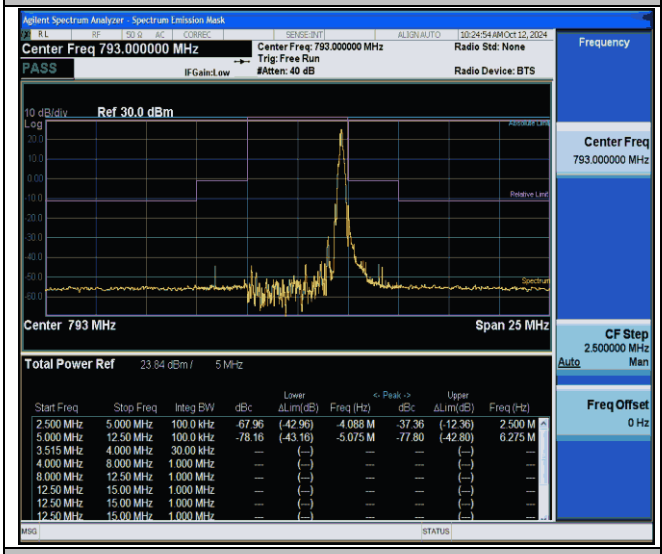
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



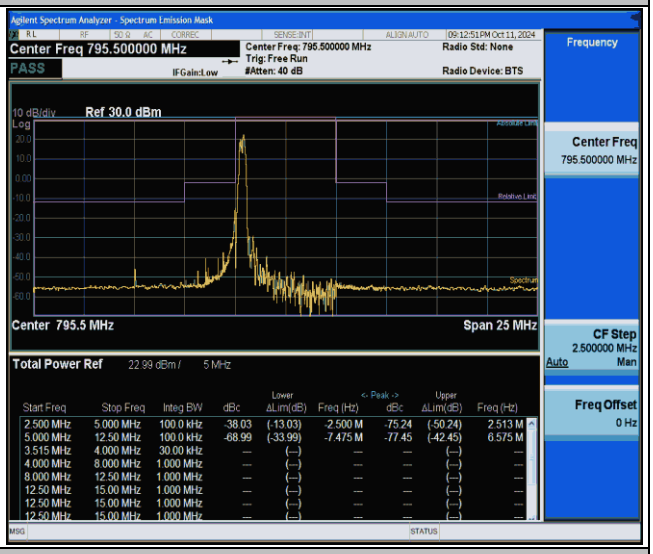
NTNV-Band14-5MHz-64QAM-23330-1RB#24--5.00--2.50-PASS



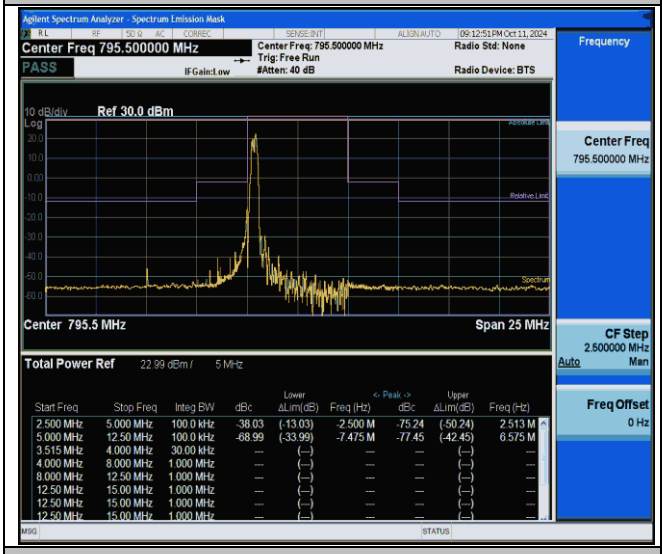
NTNV-Band14-5MHz-64QAM-23330-1RB#24--2.50-2.50-PASS



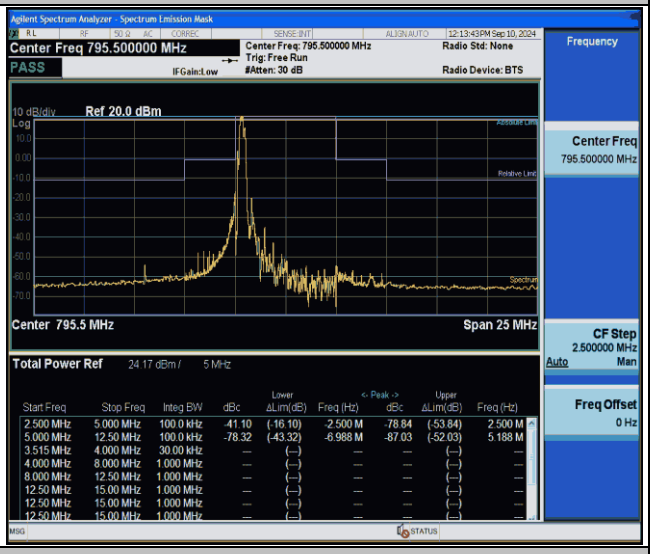
NTNV-Band14-5MHz-64QAM-23330-1RB#24-5.00-12.50-PASS



NTNV-Band14-5MHz-64QAM-23355-1RB#0--12.50--5.00-PASS

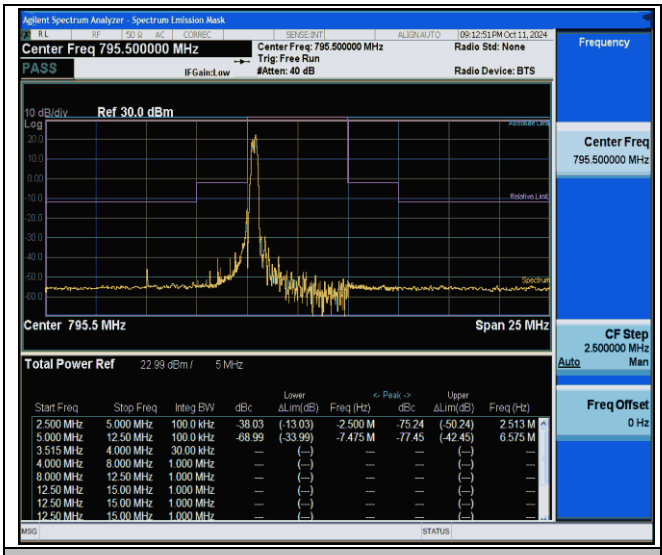


NTNV-Band14-5MHz-64QAM-23355-1RB#0--5.00--2.50-PASS

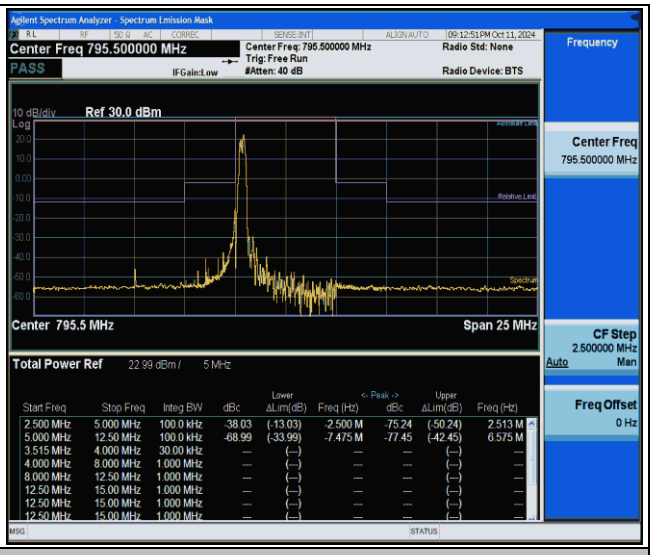


NTNV-Band14-5MHz-64QAM-23355-1RB#0--2.50-2.50-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

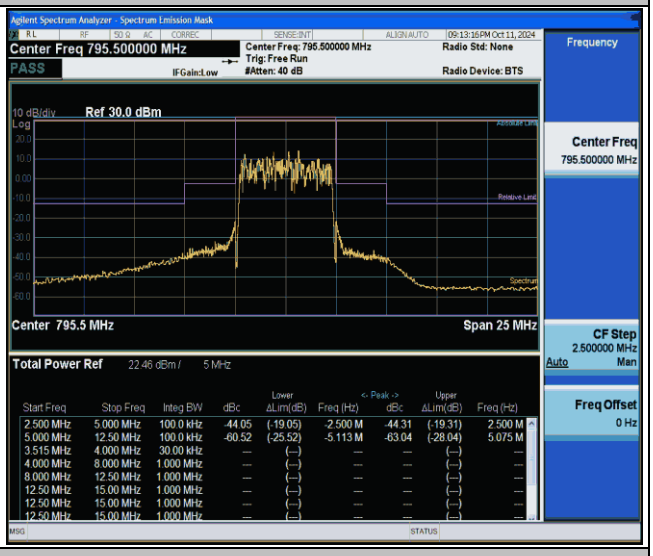


NTNV-Band14-5MHz-64QAM-23355-1RB#0-2.50-5.00-PASS



NTNV-Band14-5MHz-64QAM-23355-1RB#0-5.00-12.50-PASS

NTNV-Band14-5MHz-64QAM-23355-25RB#0--12.50--5.00-PASS



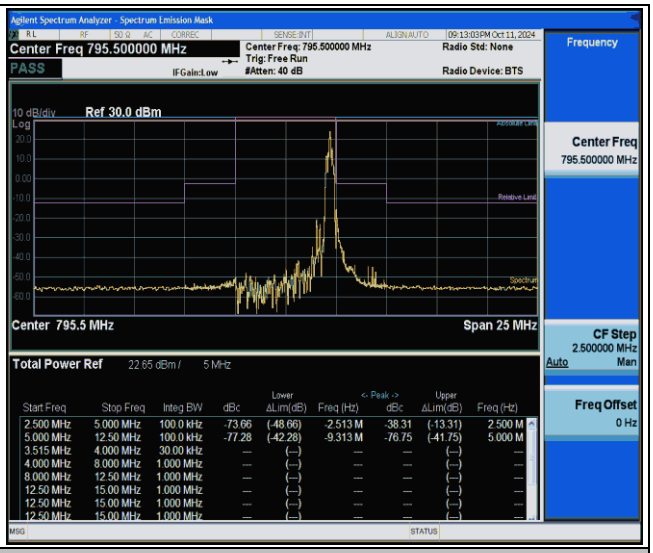
NTNV-Band14-5MHz-64QAM-23355-25RB#0--5.00--2.50-PASS

NTNV-Band14-5MHz-64QAM-23355-25RB#0--2.50-2.50-PASS

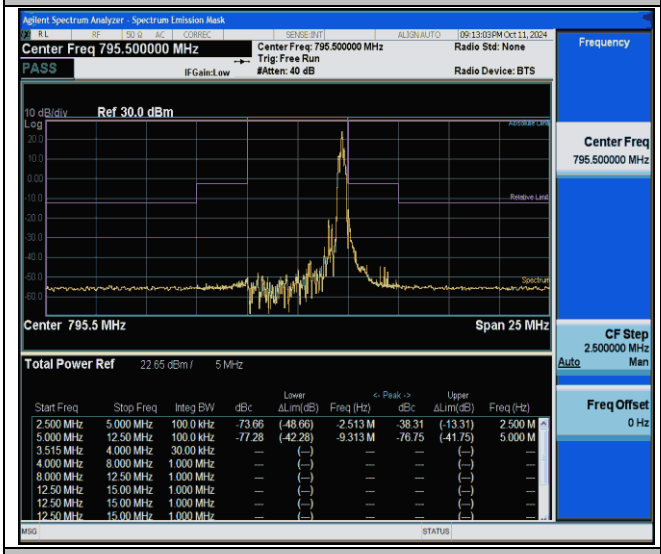
NTNV-Band14-5MHz-64QAM-23355-25RB#0-2.50-5.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

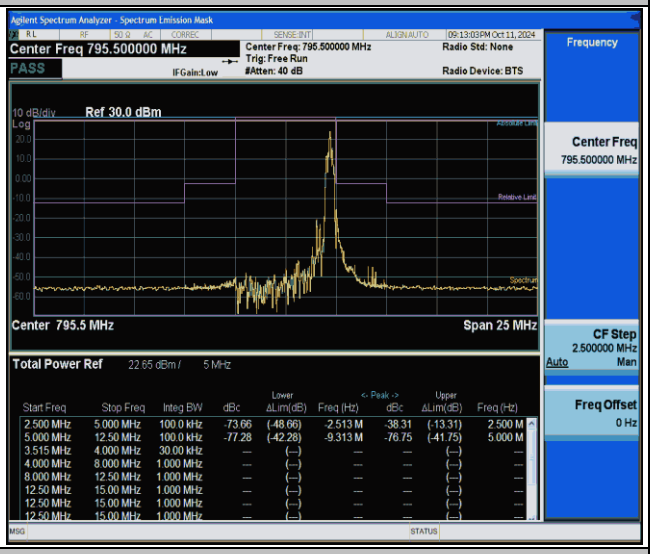
NTNV-Band14-5MHz-64QAM-23355-25RB#0-5.00-12.50-PASS



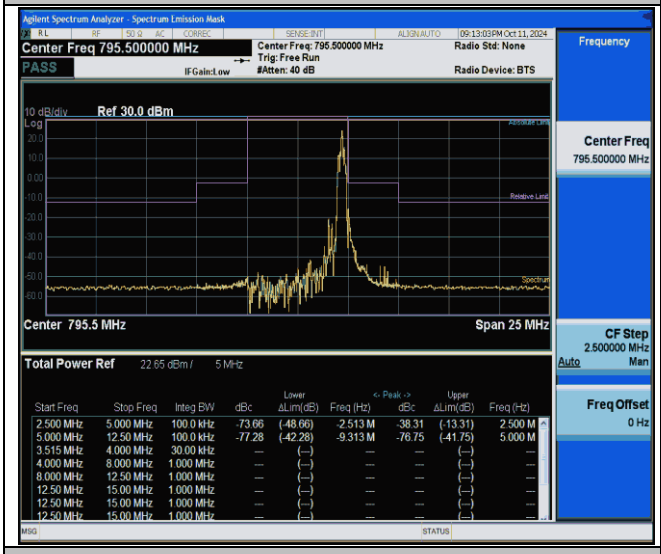
NTNV-Band14-5MHz-64QAM-23355-1RB#24--12.50--5.00-PASS



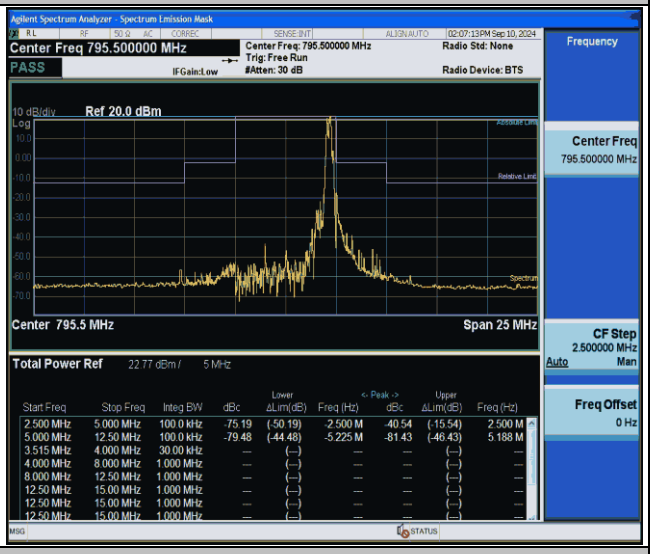
NTNV-Band14-5MHz-64QAM-23355-1RB#24--5.00--2.50-PASS



NTNV-Band14-5MHz-64QAM-23355-1RB#24--2.50-2.50-PASS

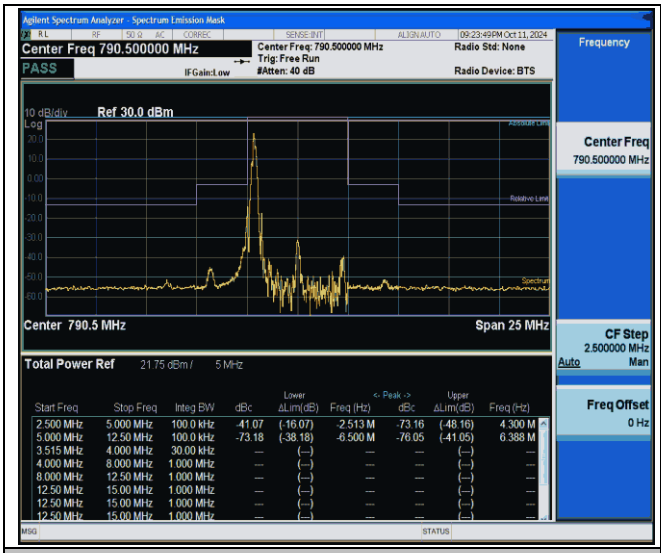


NTNV-Band14-5MHz-64QAM-23355-1RB#24-2.50-5.00-PASS

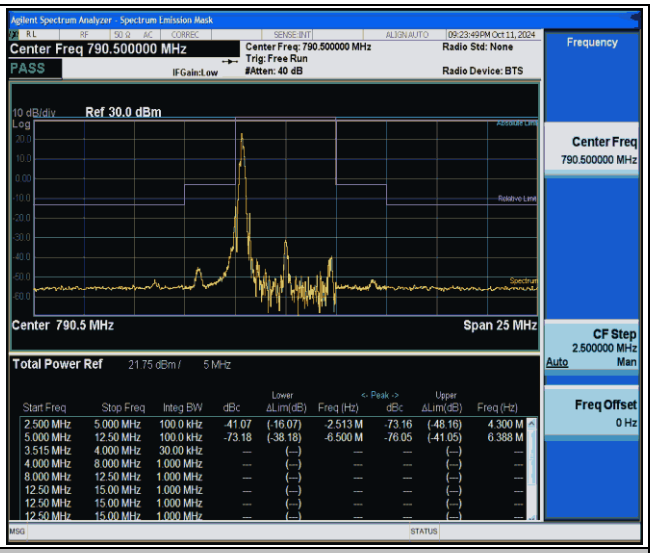


NTNV-Band14-5MHz-64QAM-23355-1RB#24-5.00-12.50-PASS

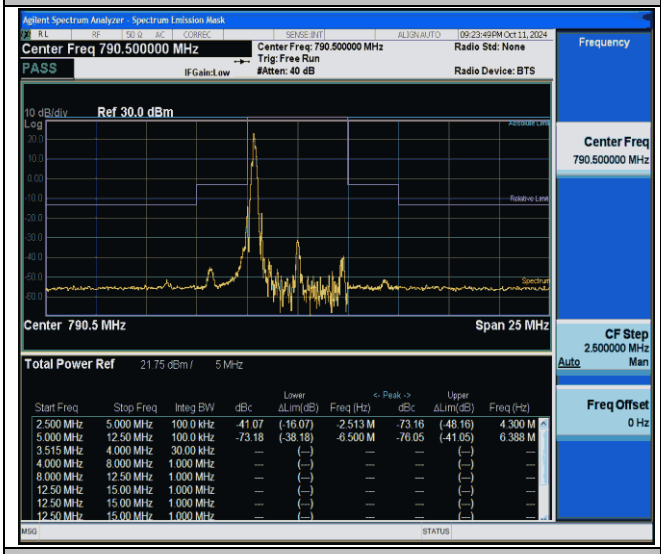
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



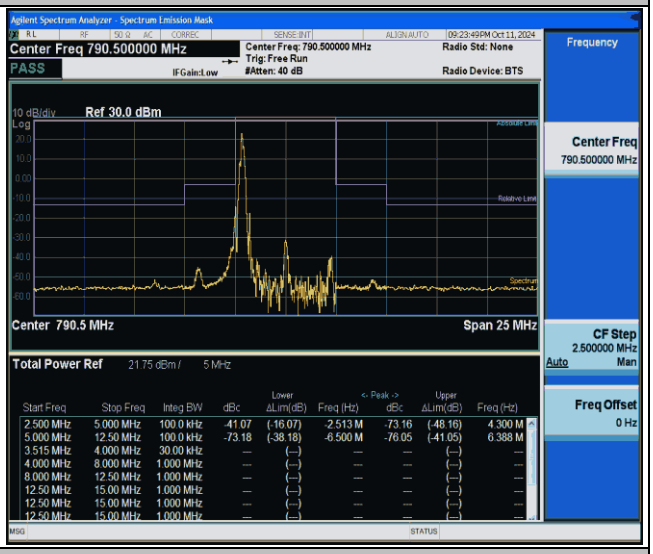
NTNV-Band14-5MHz-256QAM-23305-1RB#0--12.50--5.00-PASS



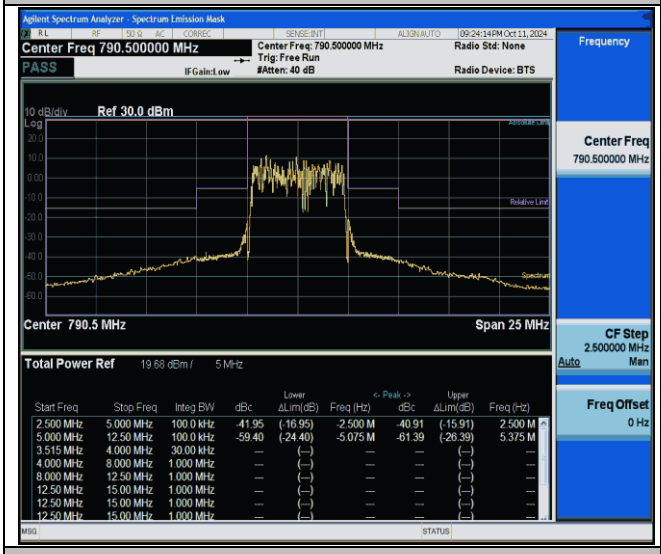
NTNV-Band14-5MHz-256QAM-23305-1RB#0--5.00--2.50-PASS



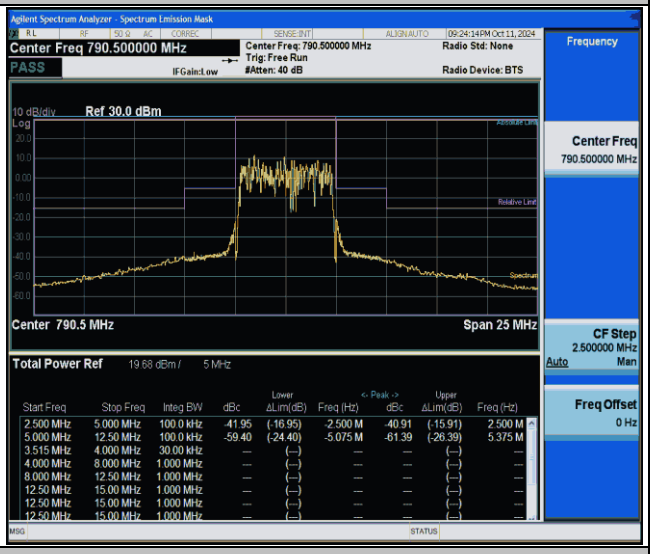
NTNV-Band14-5MHz-256QAM-23305-1RB#0-2.50-5.00-PASS



NTNV-Band14-5MHz-256QAM-23305-1RB#0-5.00-12.50-PASS

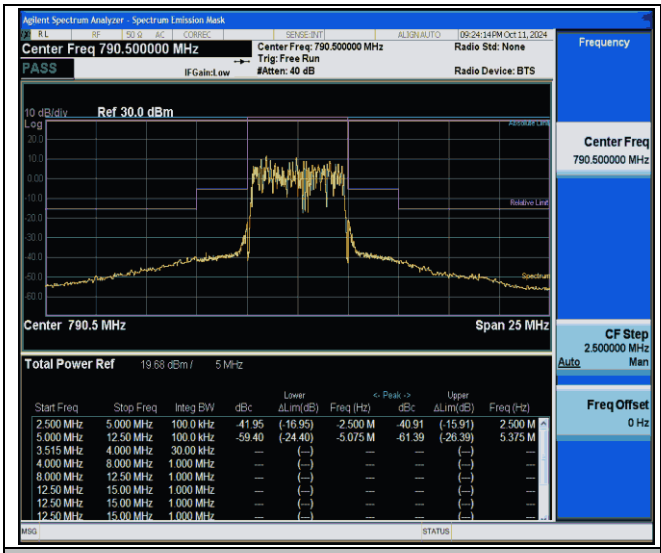


NTNV-Band14-5MHz-256QAM-23305-25RB#0--12.50--5.00-PASS

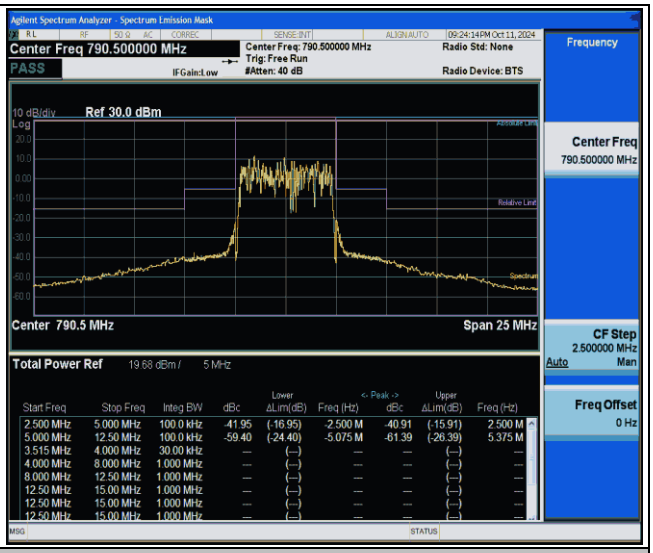


NTNV-Band14-5MHz-256QAM-23305-25RB#0--5.00--2.50-PASS

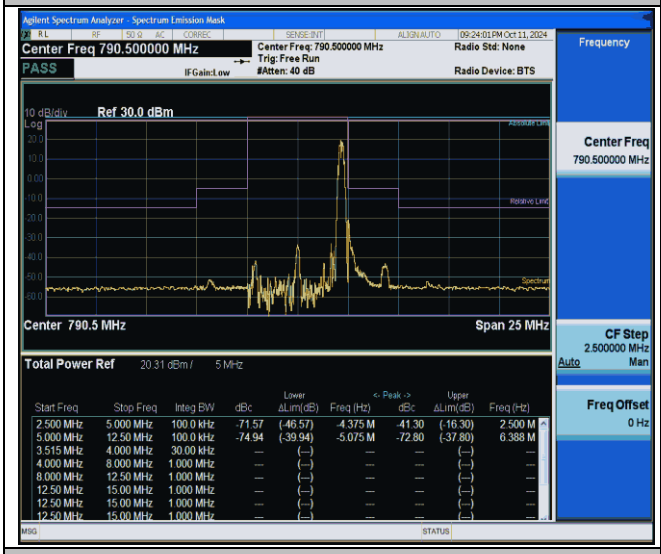
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



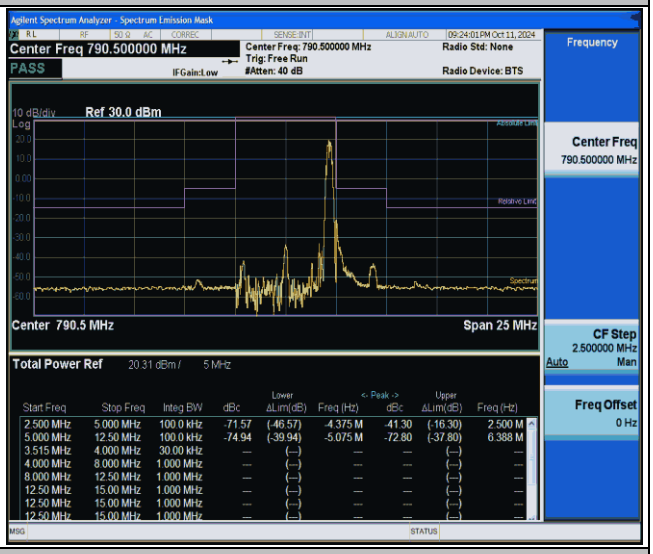
NTNV-Band14-5MHz-256QAM-23305-25RB#0--2.50-2.50-PASS



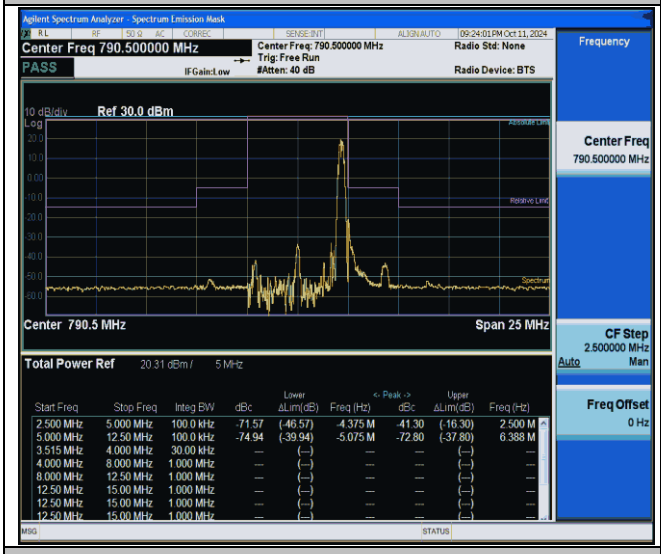
NTNV-Band14-5MHz-256QAM-23305-25RB#0-5.00-12.50-PASS



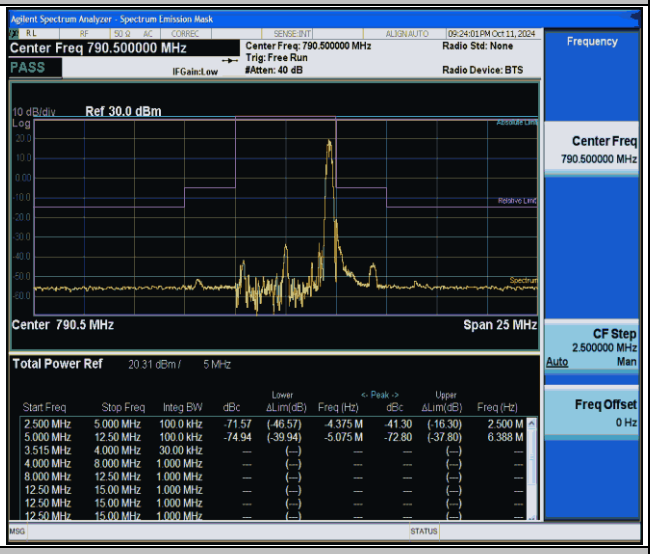
NTNV-Band14-5MHz-256QAM-23305-1RB#24--12.50--5.00-PASS



NTNV-Band14-5MHz-256QAM-23305-1RB#24--5.00--2.50-PASS

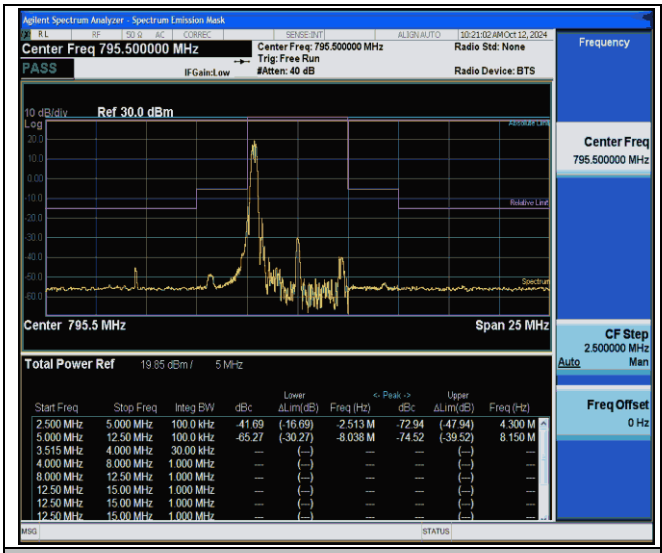


NTNV-Band14-5MHz-256QAM-23305-1RB#24--2.50-2.50-PASS

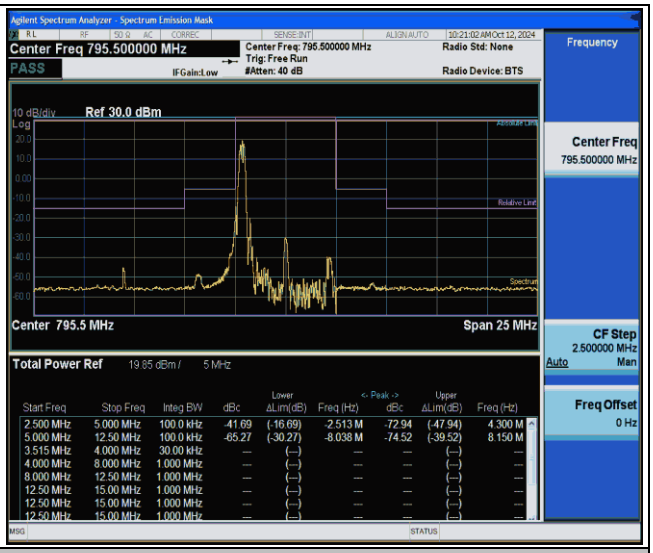


NTNV-Band14-5MHz-256QAM-23305-1RB#24-5.00-12.50-PASS

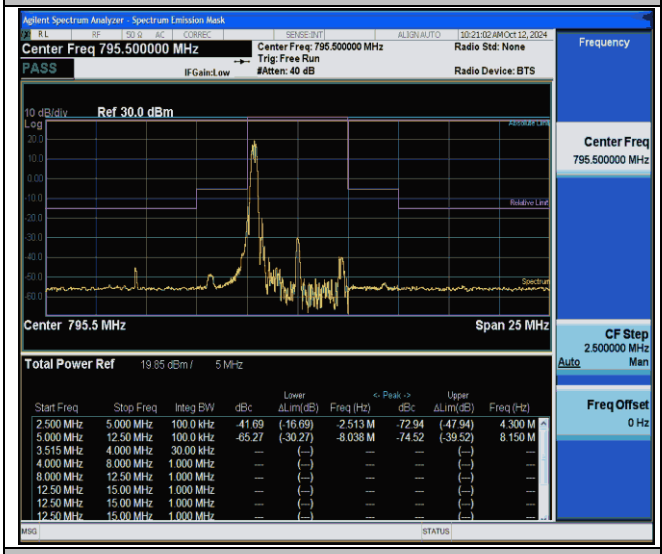
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



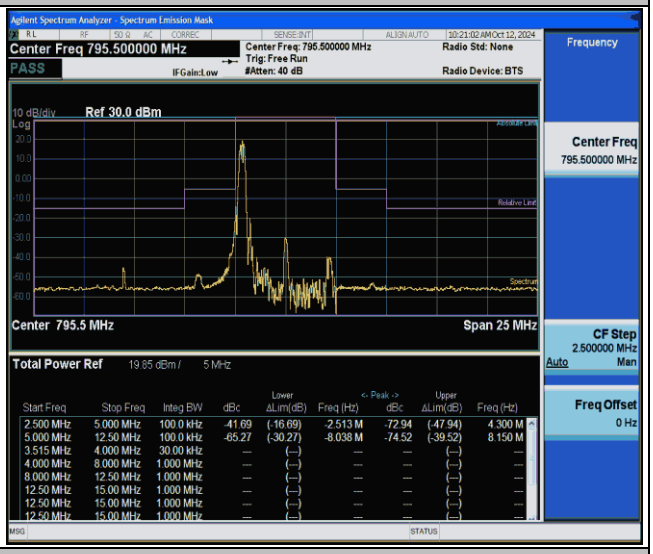
NTNV-Band14-5MHz-256QAM-23355-1RB#0--12.50--5.00-PASS



NTNV-Band14-5MHz-256QAM-23355-1RB#0--5.00--2.50-PASS



NTNV-Band14-5MHz-256QAM-23355-1RB#0-2.50-5.00-PASS



NTNV-Band14-5MHz-256QAM-23355-1RB#0-5.00-12.50-PASS

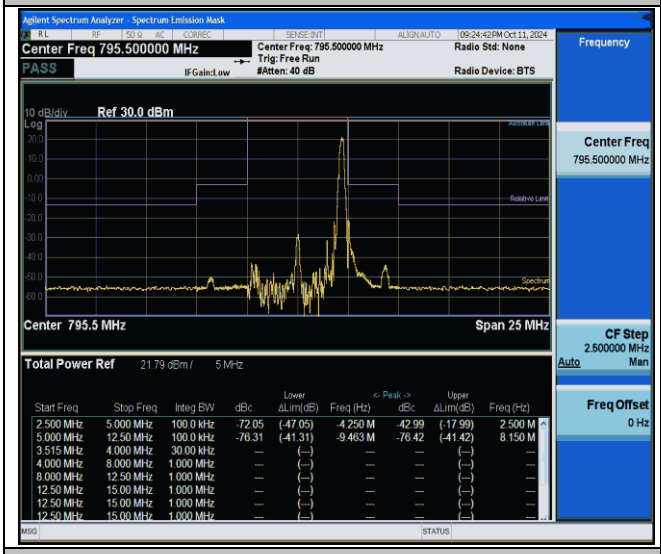
NTNV-Band14-5MHz-256QAM-23355-25RB#0--12.50--5.00-PASS

NTNV-Band14-5MHz-256QAM-23355-25RB#0--5.00--2.50-PASS

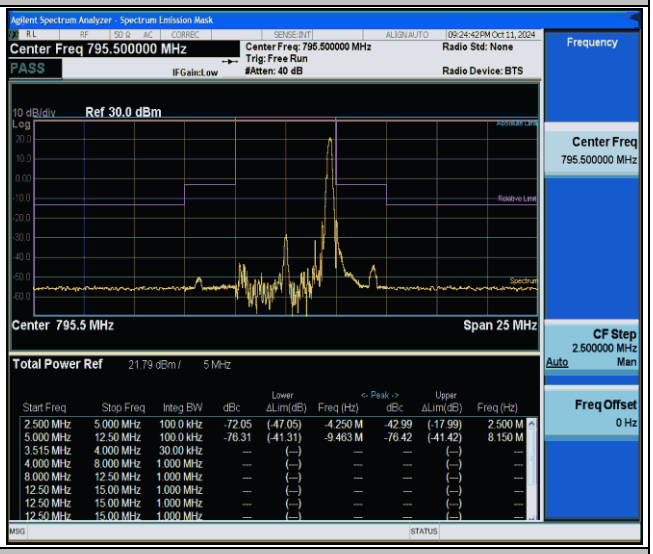
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

NTNV-Band14-5MHz-256QAM-23355-25RB#0-2.50-5.00-PASS

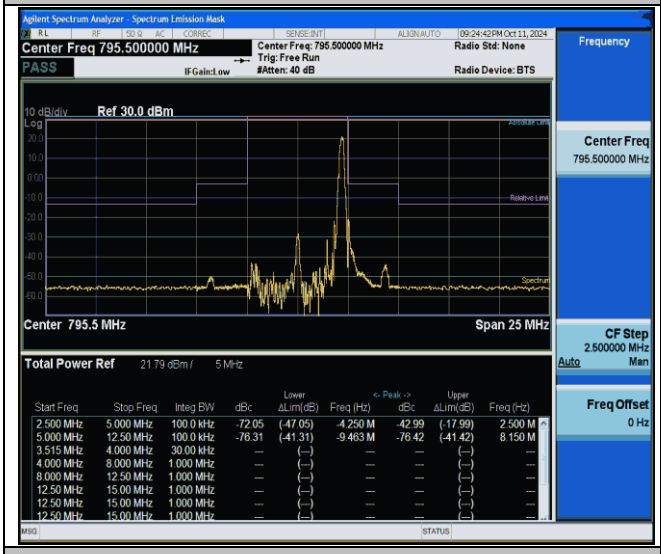
NTNV-Band14-5MHz-256QAM-23355-25RB#0-5.00-12.50-PASS



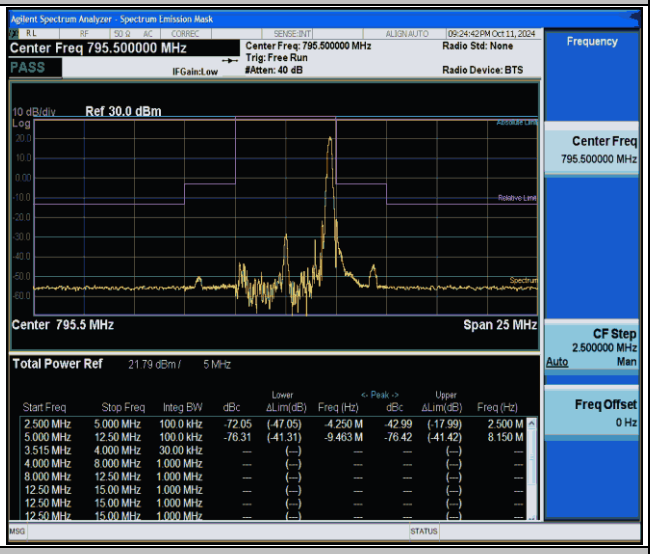
NTNV-Band14-5MHz-256QAM-23355-1RB#24--12.50--5.00-PASS



NTNV-Band14-5MHz-256QAM-23355-1RB#24--5.00--2.50-PASS

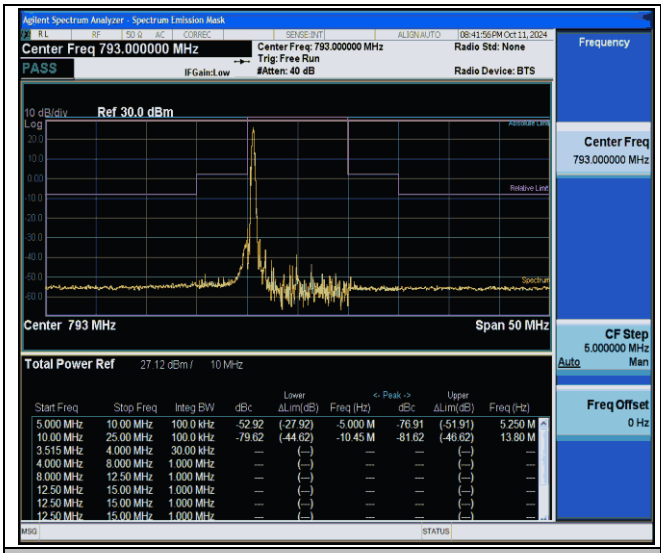


NTNV-Band14-5MHz-256QAM-23355-1RB#24--2.50-2.50-PASS

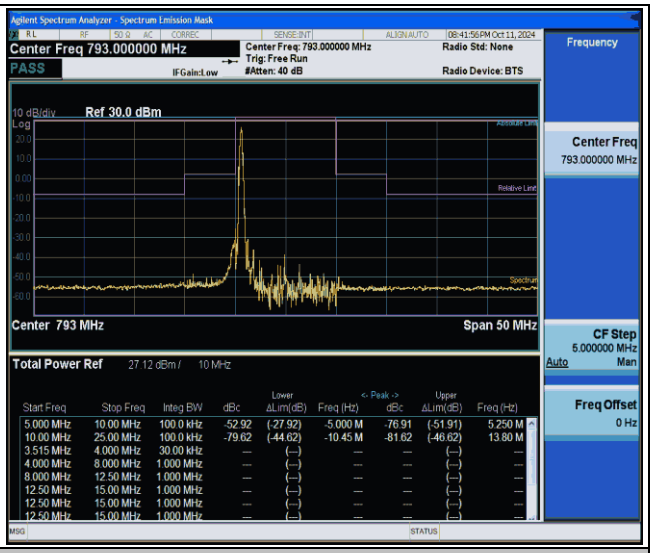


NTNV-Band14-5MHz-256QAM-23355-1RB#24-5.00-12.50-PASS

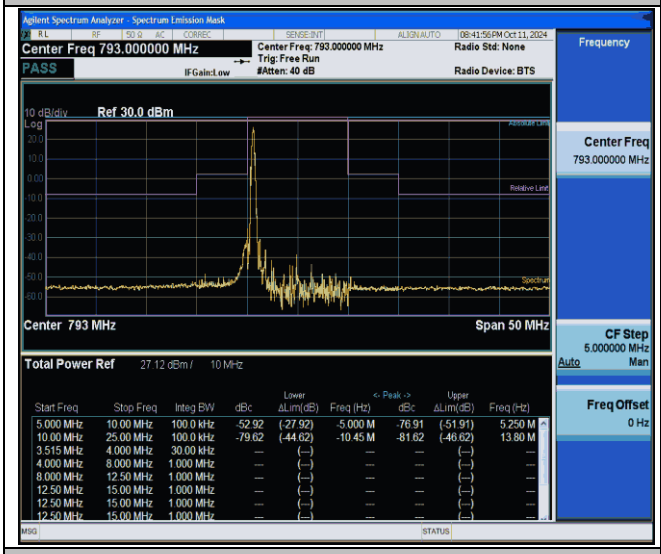
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



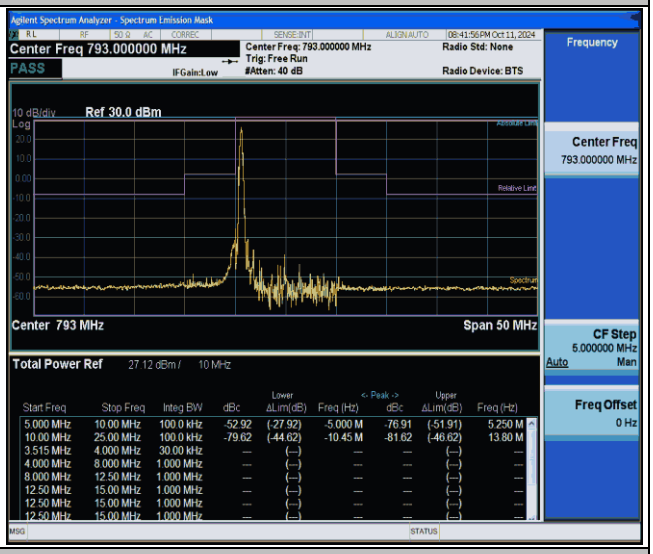
NTNV-Band14-10MHz-QPSK-23330-1RB#0--25.00--10.00-PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#0--10.00--5.00-PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#0-5.00-10.00-PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#0-10.00-25.00-PASS

NTNV-Band14-10MHz-QPSK-23330-50RB#0--25.00--10.00-PASS

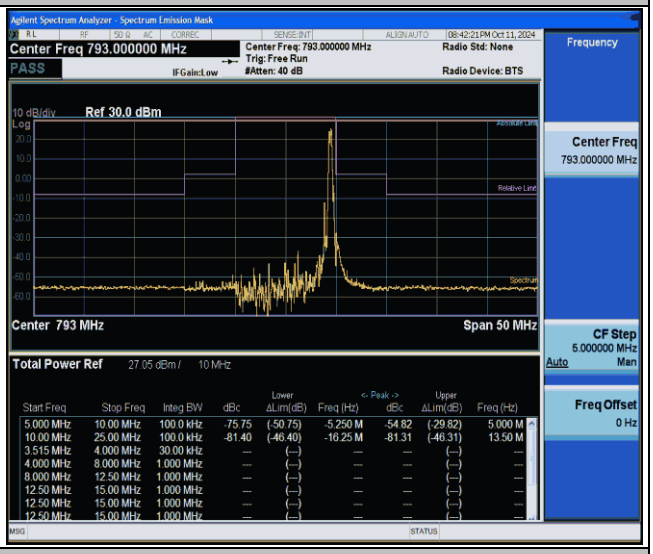
NTNV-Band14-10MHz-QPSK-23330-50RB#0--10.00--5.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

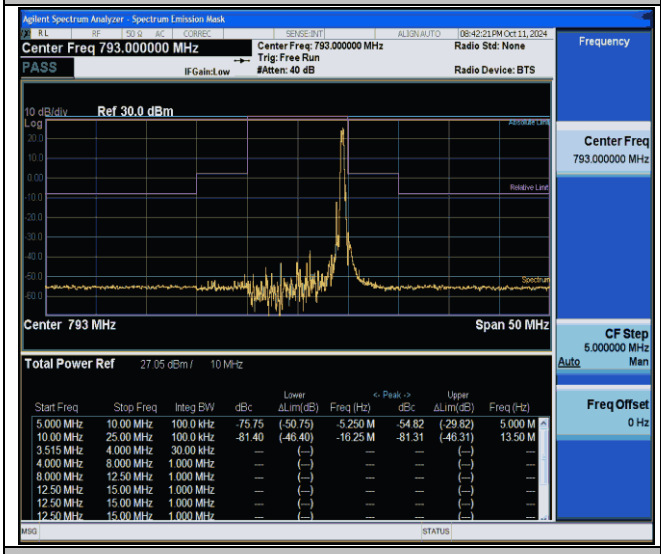
NTNV-Band14-10MHz-QPSK-23330-50RB#0--5.00-5.00-PASS

NTNV-Band14-10MHz-QPSK-23330-50RB#0-5.00-10.00-PASS

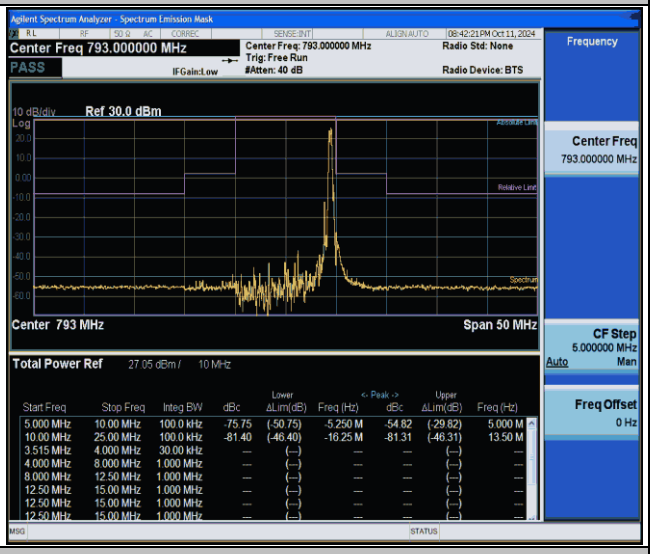
NTNV-Band14-10MHz-QPSK-23330-50RB#0-10.00-25.00-PASS



NTNV-Band14-10MHz-QPSK-23330-1RB#49--25.00--10.00-PASS

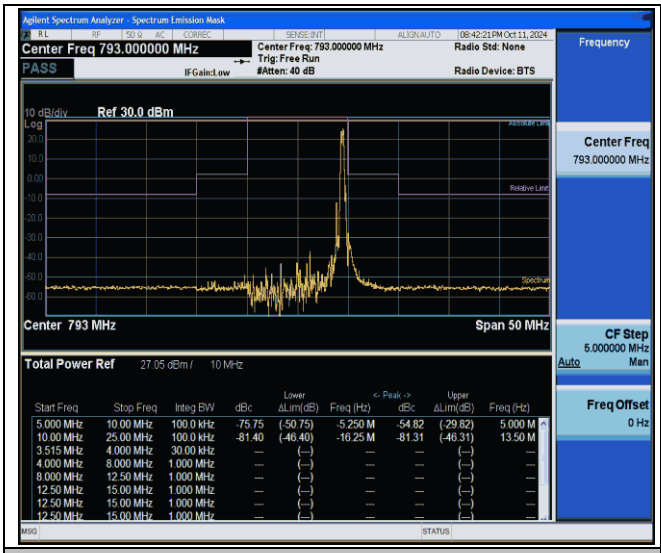


NTNV-Band14-10MHz-QPSK-23330-1RB#49--10.00--5.00-PASS

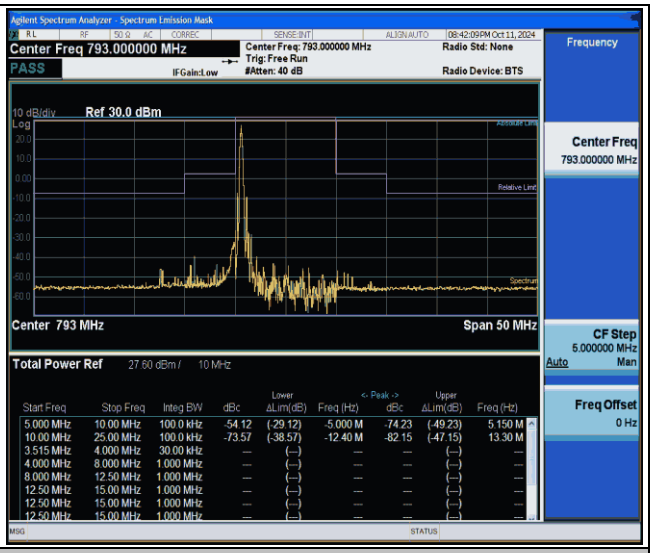


NTNV-Band14-10MHz-QPSK-23330-1RB#49--5.00-5.00-PASS

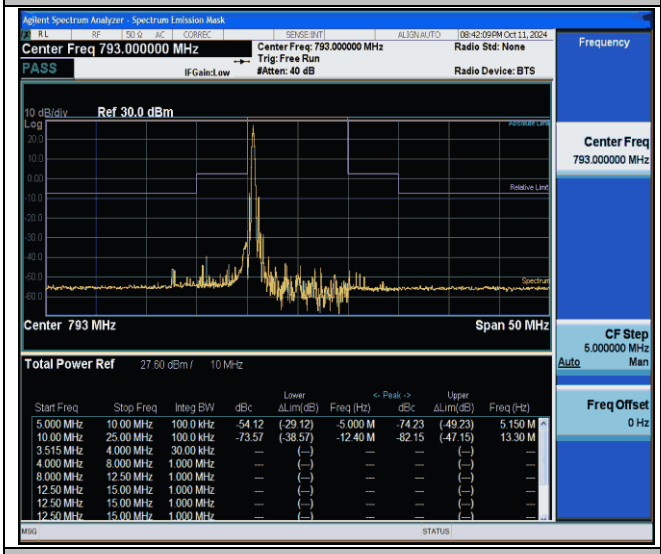
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



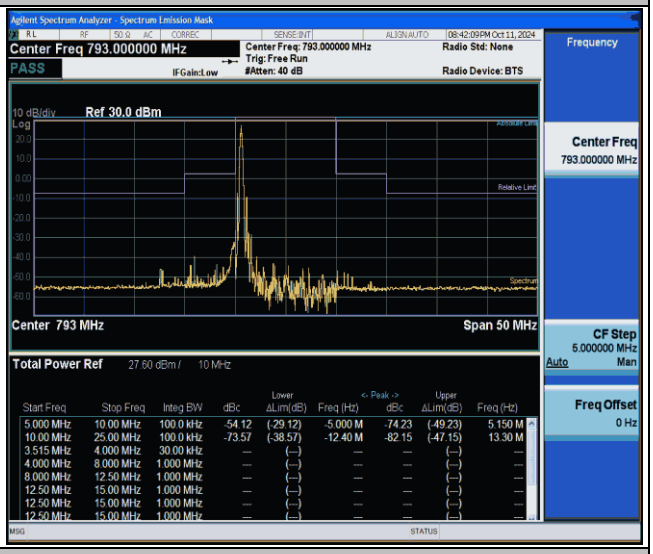
NTNV-Band14-10MHz-QPSK-23330-1RB#49-10.00-25.00-PASS



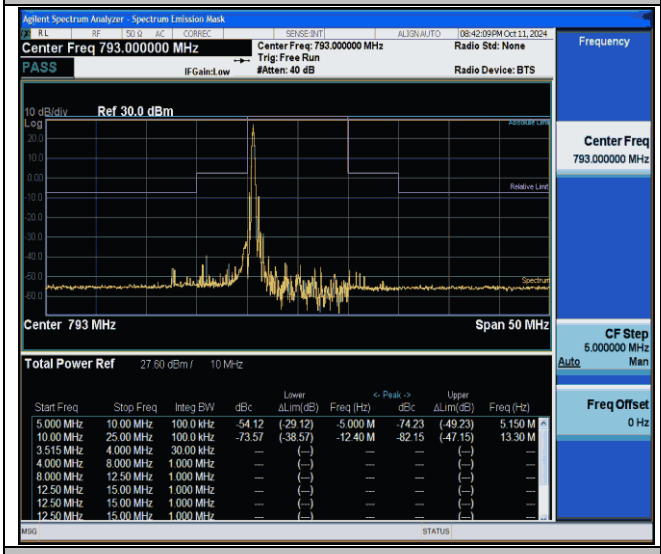
NTNV-Band14-10MHz-16QAM-23330-1RB#0--25.00--10.00-PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#0--10.00--5.00-PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#0-5.00-10.00-PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#0-10.00-25.00-PASS

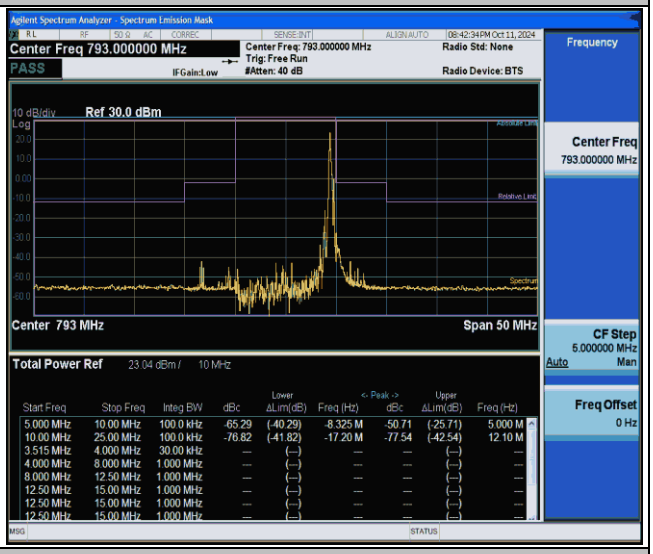
NTNV-Band14-10MHz-16QAM-23330-50RB#0--25.00--10.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

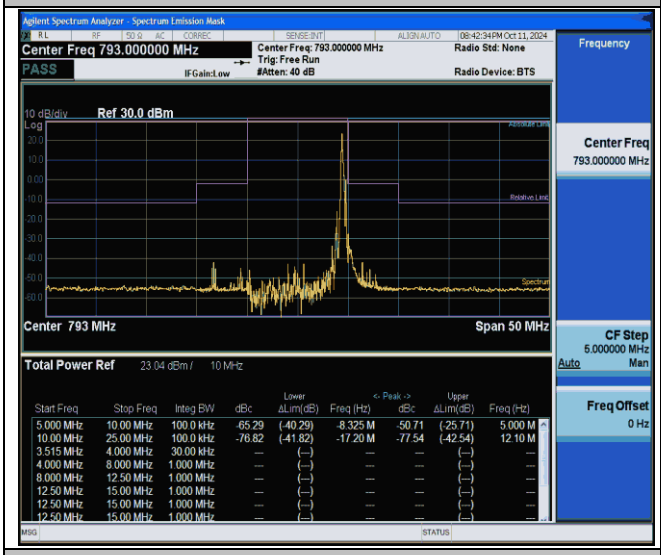
NTNV-Band14-10MHz-16QAM-23330-50RB#0--10.00--5.00-PASS

NTNV-Band14-10MHz-16QAM-23330-50RB#0-5.00-10.00-PASS

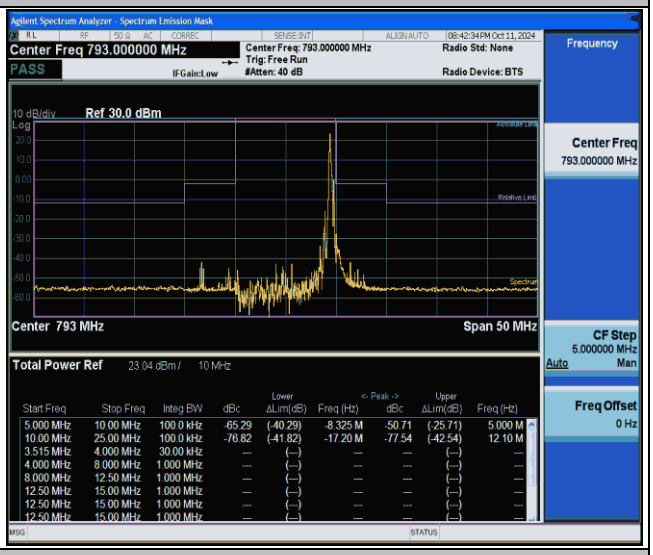
NTNV-Band14-10MHz-16QAM-23330-50RB#0-10.00-25.00-PASS



NTNV-Band14-10MHz-16QAM-23330-1RB#49--25.00--10.00-PASS

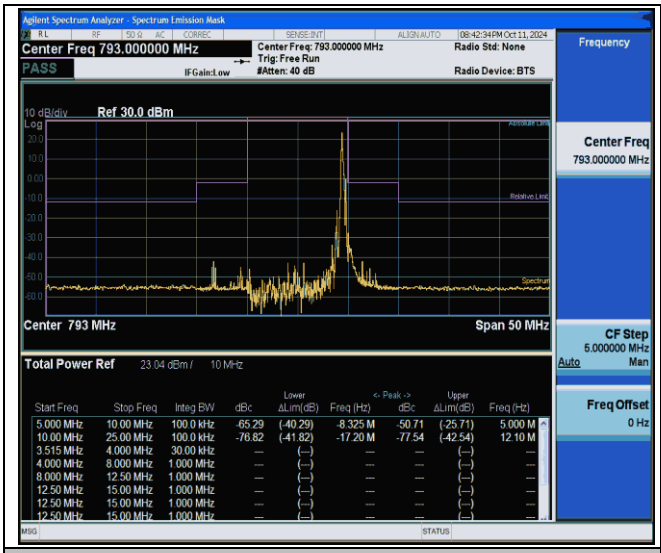


NTNV-Band14-10MHz-16QAM-23330-1RB#49--10.00--5.00-PASS

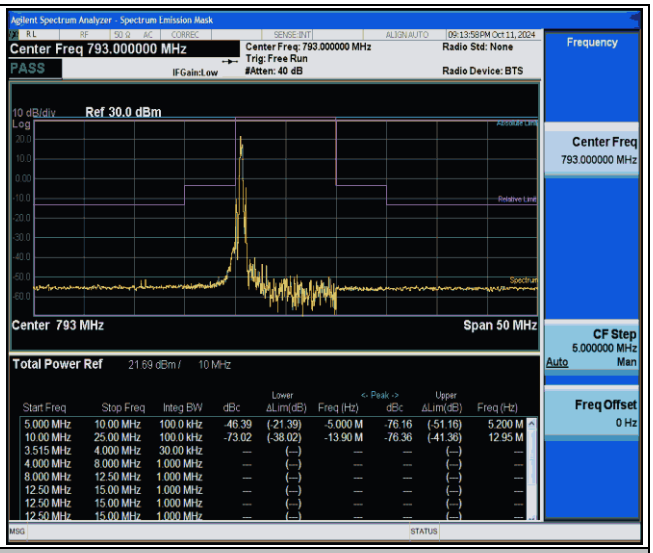


NTNV-Band14-10MHz-16QAM-23330-1RB#49--5.00-5.00-PASS

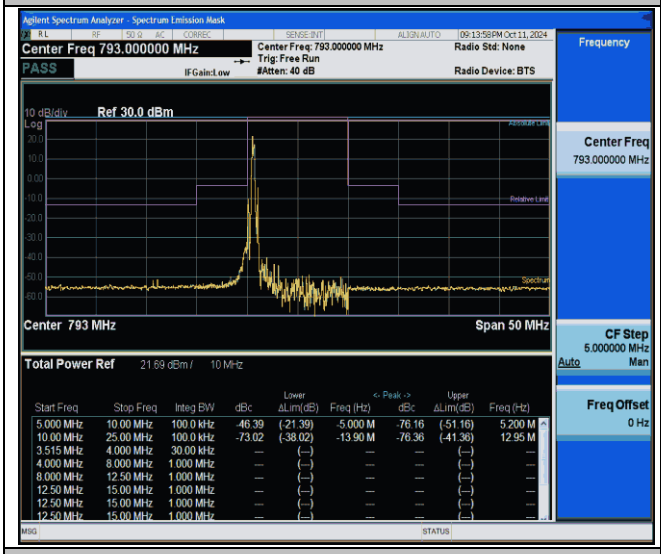
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



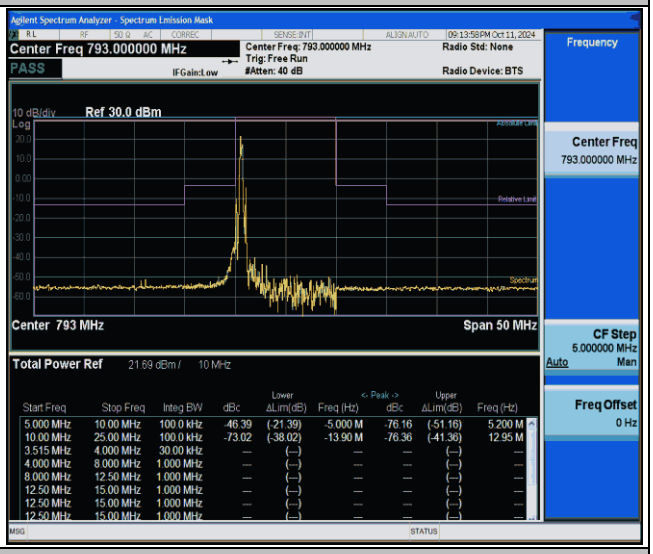
NTNV-Band14-10MHz-16QAM-23330-1RB#49-10.00-25.00-PASS



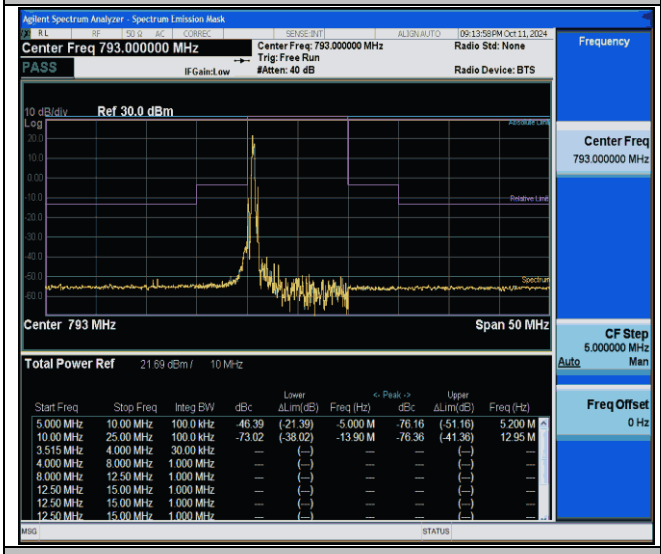
NTNV-Band14-10MHz-64QAM-23330-1RB#0--25.00--10.00-PASS



NTNV-Band14-10MHz-64QAM-23330-1RB#0--10.00--5.00-PASS



NTNV-Band14-10MHz-64QAM-23330-1RB#0-5.00-10.00-PASS



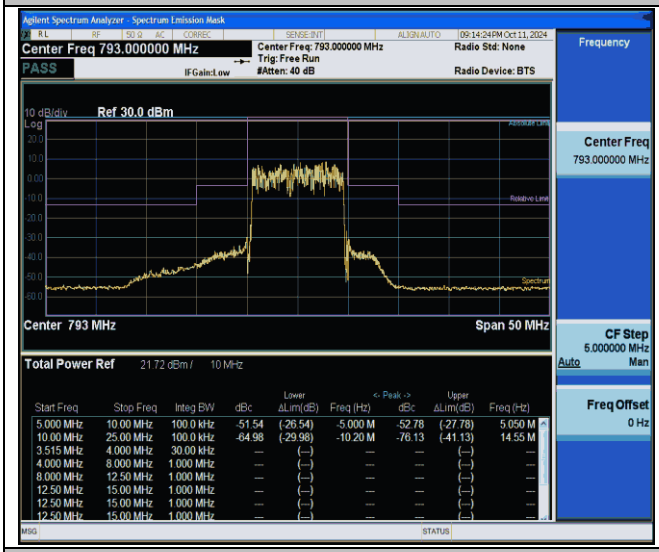
NTNV-Band14-10MHz-64QAM-23330-1RB#0-10.00-25.00-PASS

NTNV-Band14-10MHz-64QAM-23330-50RB#0--25.00--10.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

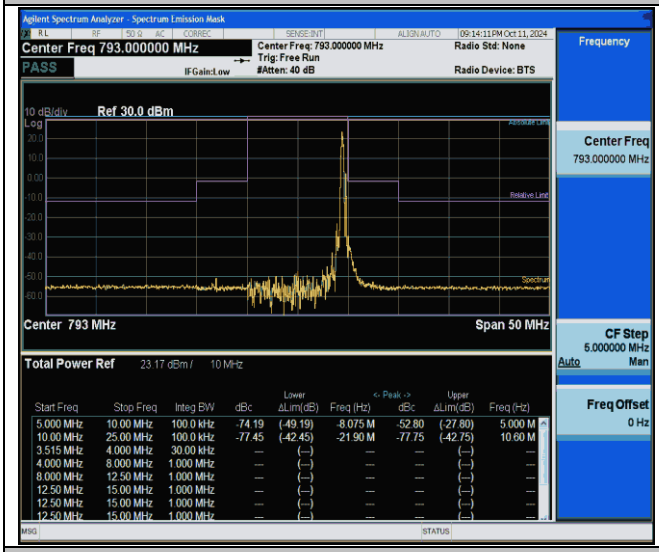
NTNV-Band14-10MHz-64QAM-23330-50RB#0--10.00--5.00-PASS

NTNV-Band14-10MHz-64QAM-23330-50RB#0--5.00-5.00-PASS

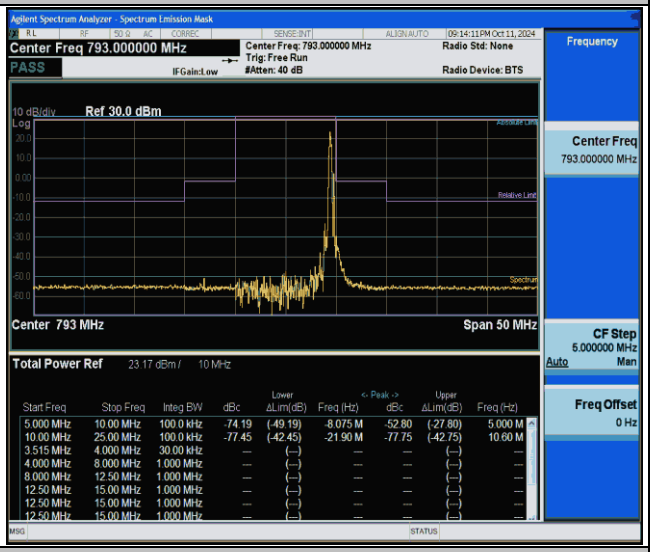


NTNV-Band14-10MHz-64QAM-23330-50RB#0-5.00-10.00-PASS

NTNV-Band14-10MHz-64QAM-23330-50RB#0-10.00-25.00-PASS

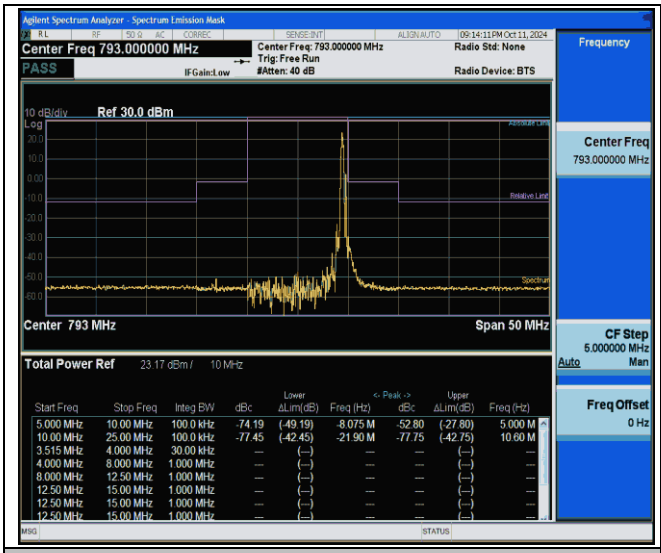


NTNV-Band14-10MHz-64QAM-23330-1RB#49--25.00--10.00-PASS

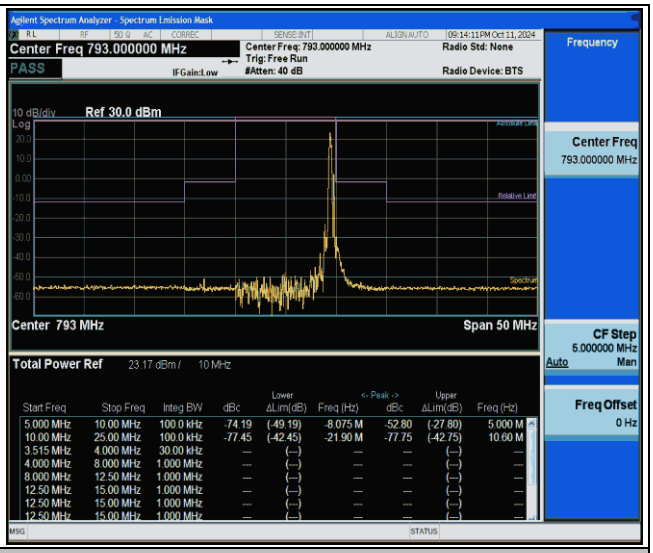


NTNV-Band14-10MHz-64QAM-23330-1RB#49--10.00--5.00-PASS

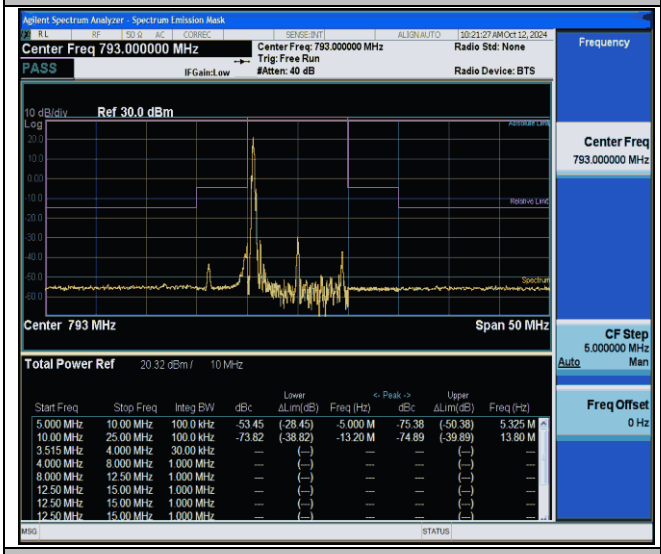
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



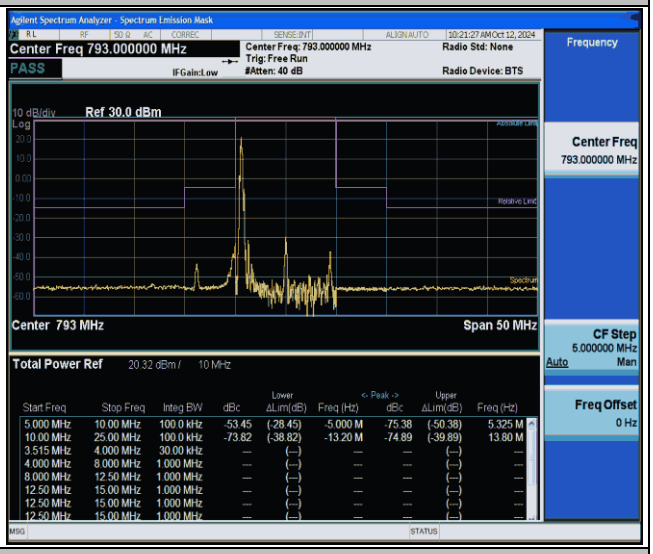
NTNV-Band14-10MHz-64QAM-23330-1RB#49--5.00-5.00-PASS



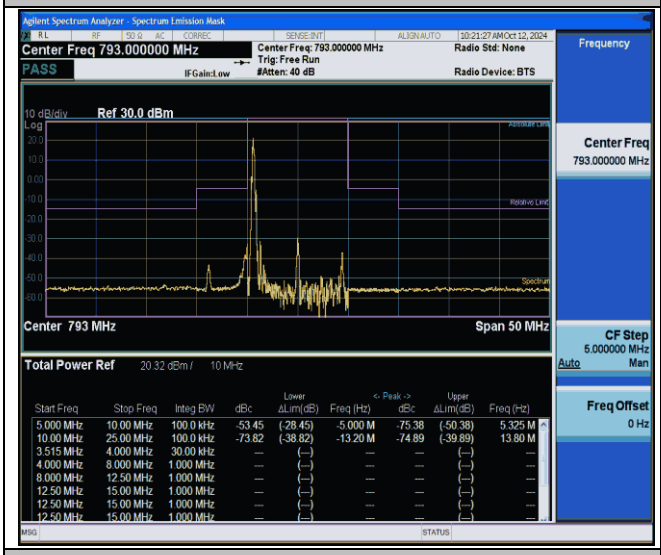
NTNV-Band14-10MHz-64QAM-23330-1RB#49-10.00-25.00-PASS



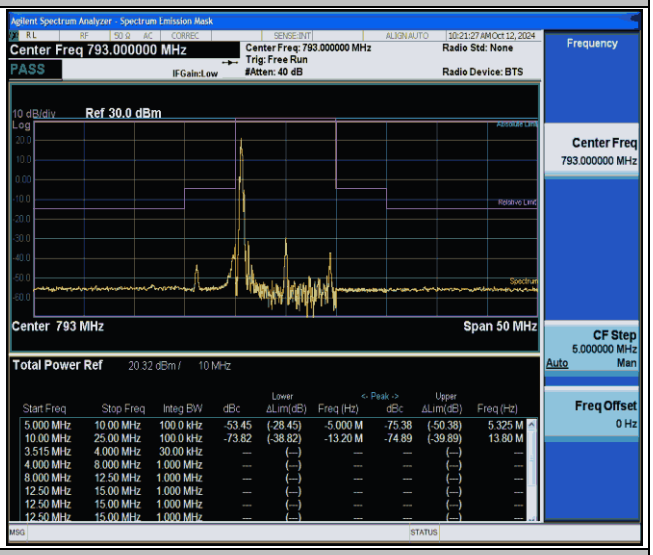
NTNV-Band14-10MHz-256QAM-23330-1RB#0--25.00--10.00-PASS



NTNV-Band14-10MHz-256QAM-23330-1RB#0--10.00--5.00-PASS



NTNV-Band14-10MHz-256QAM-23330-1RB#0-5.00-10.00-PASS



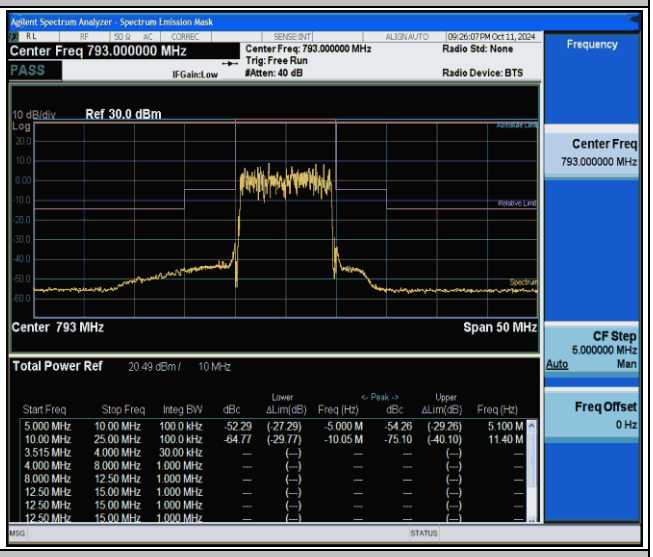
NTNV-Band14-10MHz-256QAM-23330-1RB#0-10.00-25.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

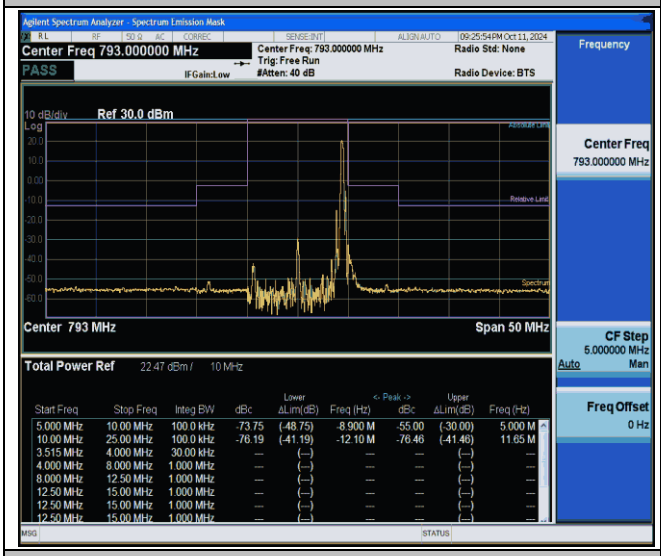
NTNV-Band14-10MHz-256QAM-23330-50RB#0--25.00--10.00-PASS

NTNV-Band14-10MHz-256QAM-23330-50RB#0--10.00--5.00-PASS

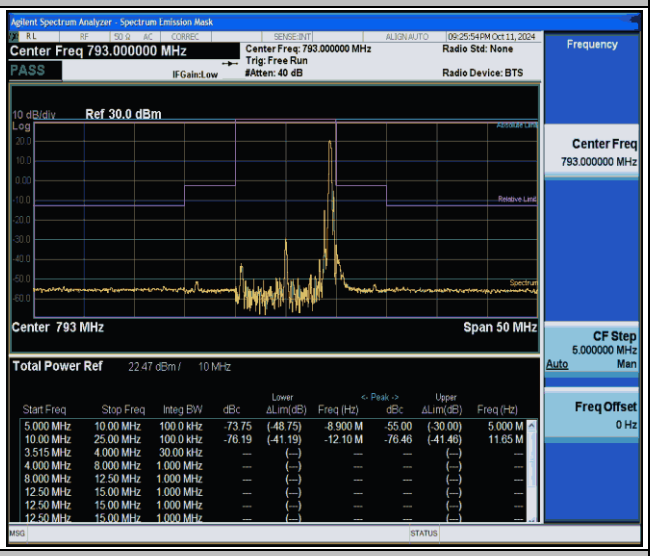
NTNV-Band14-10MHz-256QAM-23330-50RB#0-5.00-10.00-PASS



NTNV-Band14-10MHz-256QAM-23330-50RB#0-10.00-25.00-PASS

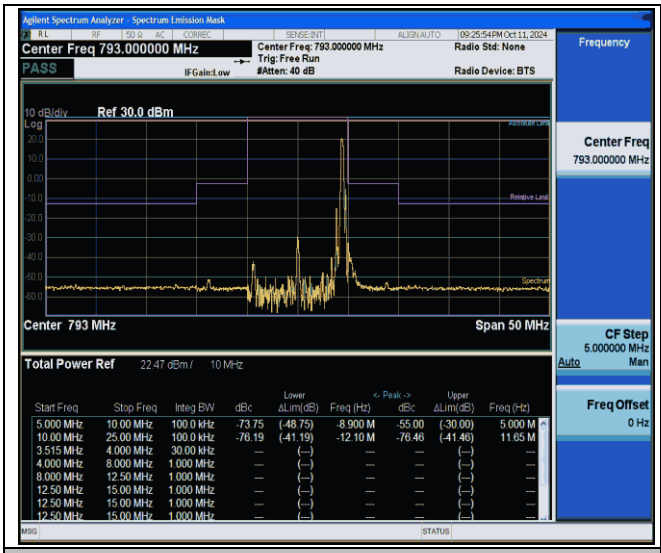


NTNV-Band14-10MHz-256QAM-23330-1RB#49--25.00--10.00-PASS

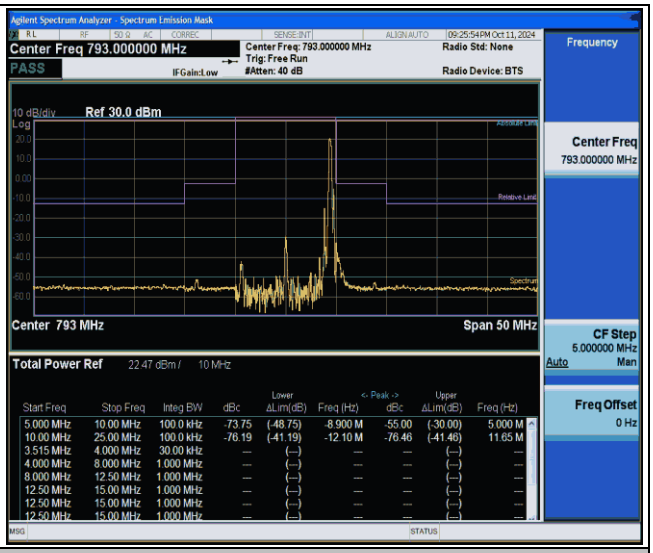


NTNV-Band14-10MHz-256QAM-23330-1RB#49--10.00--5.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



NTNV-Band14-10MHz-256QAM-23330-1RB#49--5.00-5.00-PASS



NTNV-Band14-10MHz-256QAM-23330-1RB#49-10.00-25.00-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

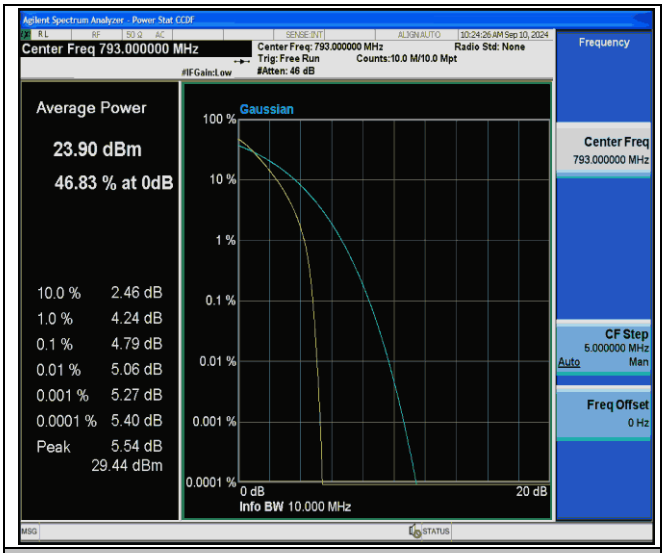
Peak-to-Average Ratio(CCDF)

Test Result

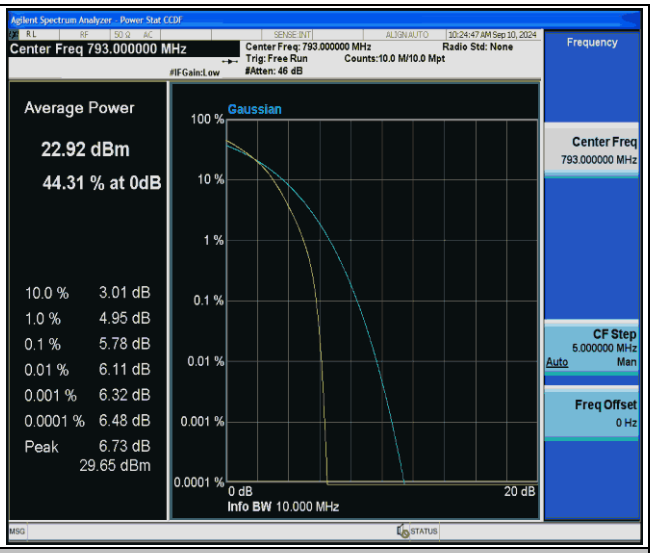
Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dB)	Limit (dB)	Verdict
Band14	10MHz	QPSK	23330	50RB#0	4.79	13	PASS
Band14	10MHz	16QAM	23330	50RB#0	5.78	13	PASS
Band14	10MHz	64QAM	23330	50RB#0	6.27	13	PASS
Band14	10MHz	256QAM	23330	50RB#0	6.66	13	PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

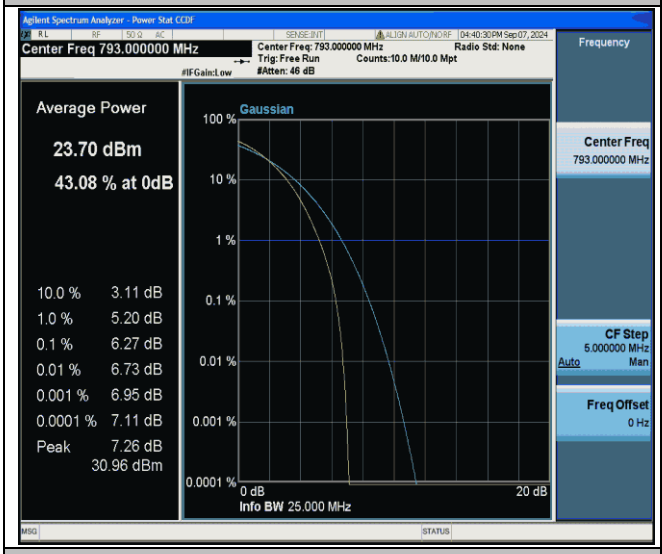
Test Graphs



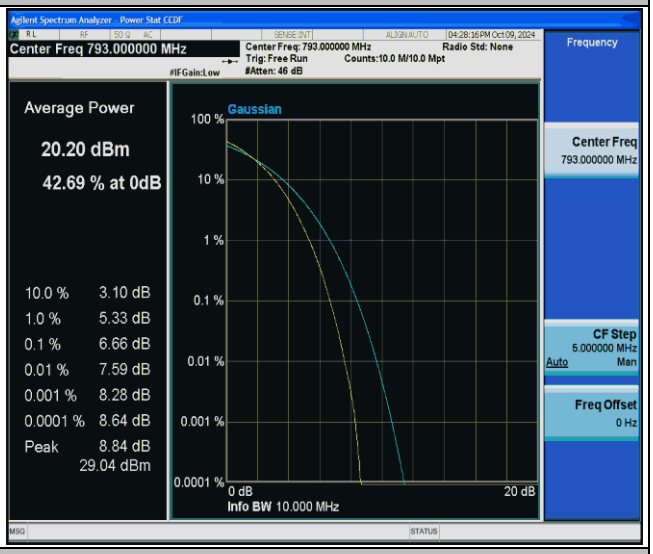
Band14-10MHz-QPSK-23330-50RB#0-PASS



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



Band14-10MHz-64QAM-23330-50RB#0-PASS



Band14-10MHz-256QAM-23330-50RB#0-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

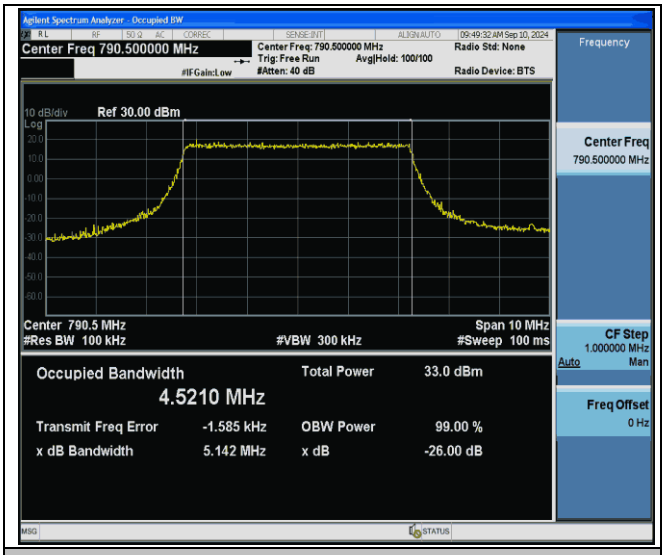
26dB Bandwidth and Occupied Bandwidth

Test Result

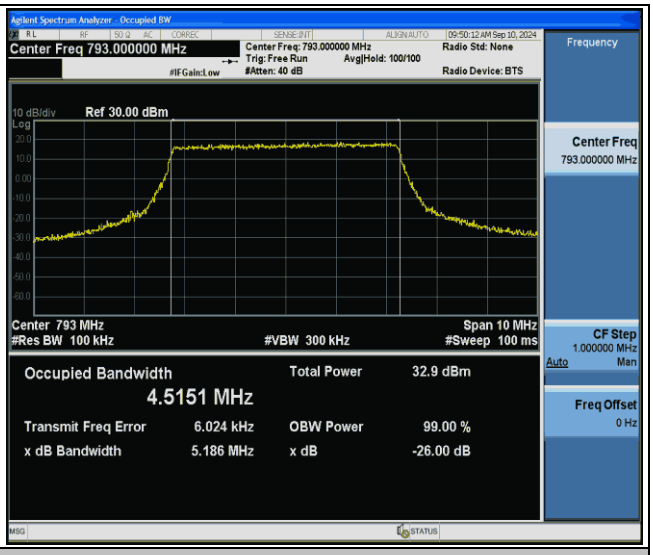
Band	Bandwidth	Modulation	Channel	RB Configuration	OBW (MHz)	26dB EBW (MHz)	Verdict
Band14	5MHz	QPSK	23305	25RB#0	4.5210	5.142	PASS
Band14	5MHz	QPSK	23330	25RB#0	4.5151	5.186	PASS
Band14	5MHz	QPSK	23355	25RB#0	4.4939	5.095	PASS
Band14	5MHz	16QAM	23305	25RB#0	4.5135	5.153	PASS
Band14	5MHz	16QAM	23330	25RB#0	4.5007	5.176	PASS
Band14	5MHz	16QAM	23355	25RB#0	4.4895	5.109	PASS
Band14	5MHz	64QAM	23305	25RB#0	4.5326	5.130	PASS
Band14	5MHz	64QAM	23330	25RB#0	4.5067	5.203	PASS
Band14	5MHz	64QAM	23355	25RB#0	4.4864	5.108	PASS
Band14	5MHz	256QAM	23305	25RB#0	4.4068	4.694	PASS
Band14	5MHz	256QAM	23330	25RB#0	4.5045	5.102	PASS
Band14	5MHz	256QAM	23355	25RB#0	4.4823	5.044	PASS
Band14	10MHz	QPSK	23330	50RB#0	8.9824	10.04	PASS
Band14	10MHz	16QAM	23330	50RB#0	8.9725	9.997	PASS
Band14	10MHz	64QAM	23330	50RB#0	8.9743	10.00	PASS
Band14	10MHz	256QAM	23330	50RB#0	8.8886	9.361	PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

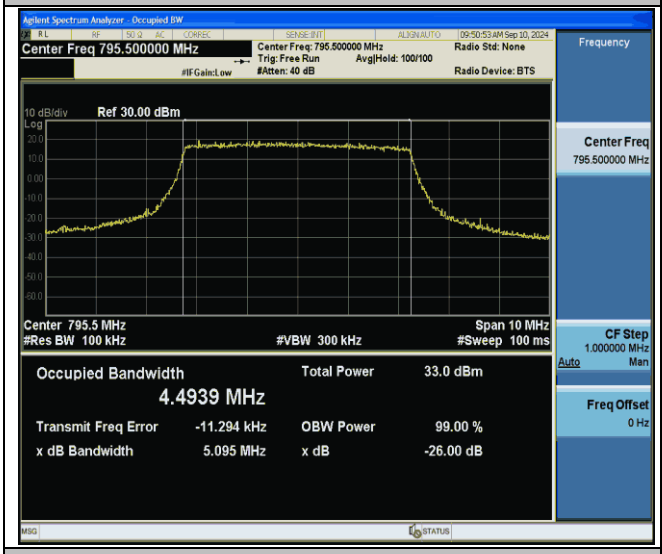
Test Graphs



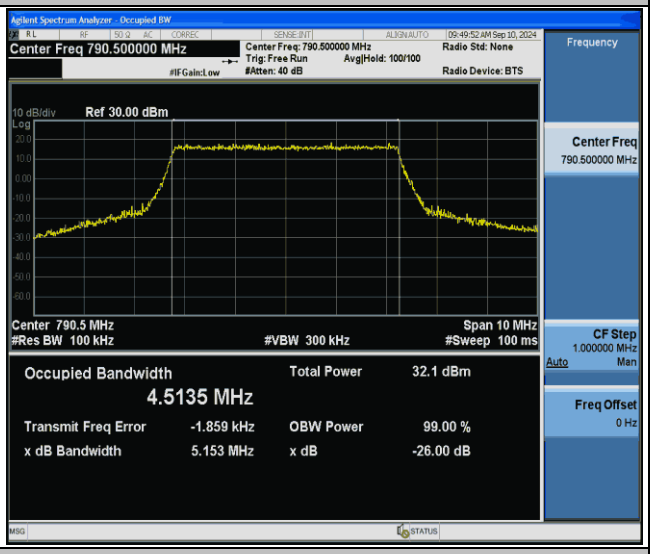
Band14-5MHz-QPSK-23305-25RB#0-PASS



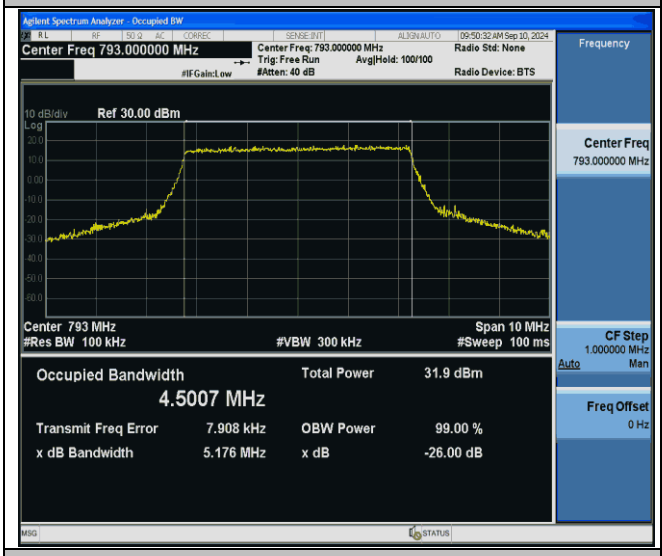
Band14-5MHz-QPSK-23330-25RB#0-PASS



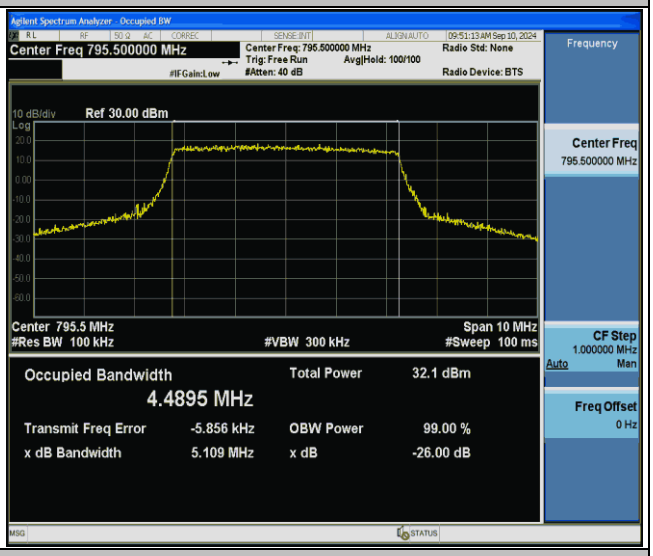
Band14-5MHz-QPSK-23355-25RB#0-PASS



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



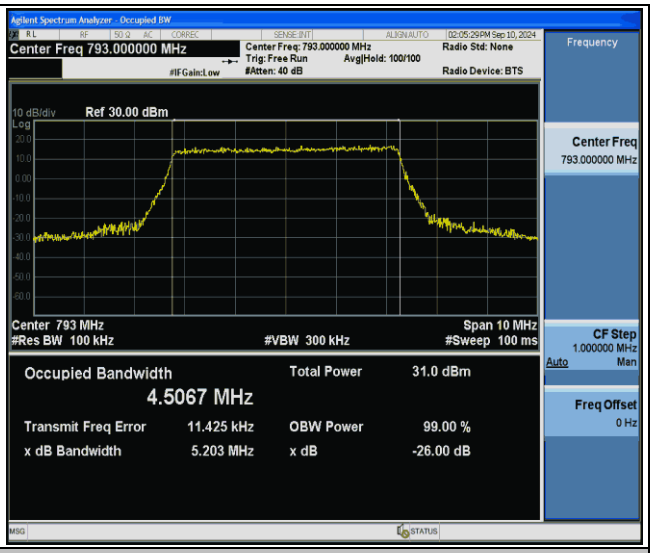
Band14-5MHz-16QAM-23330-25RB#0-PASS



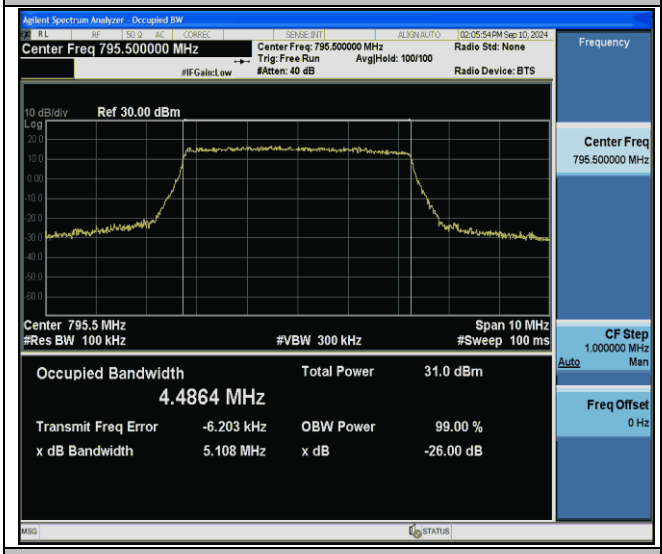
Band14-5MHz-16QAM-23355-25RB#0-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

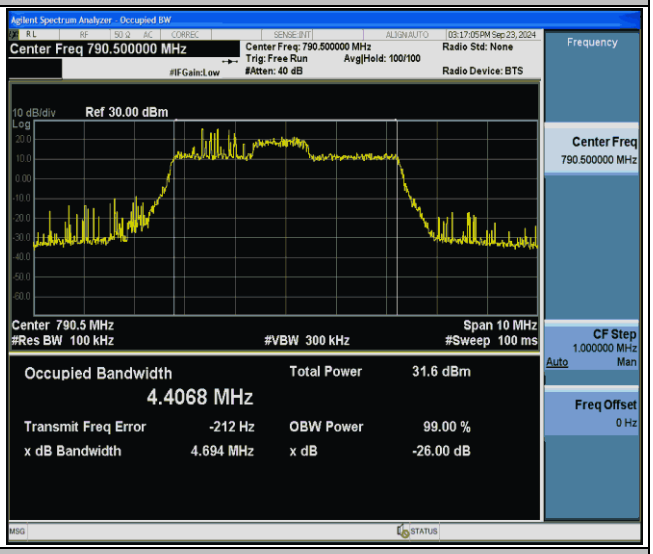
Band14-5MHz-64QAM-23305-25RB#0-PASS



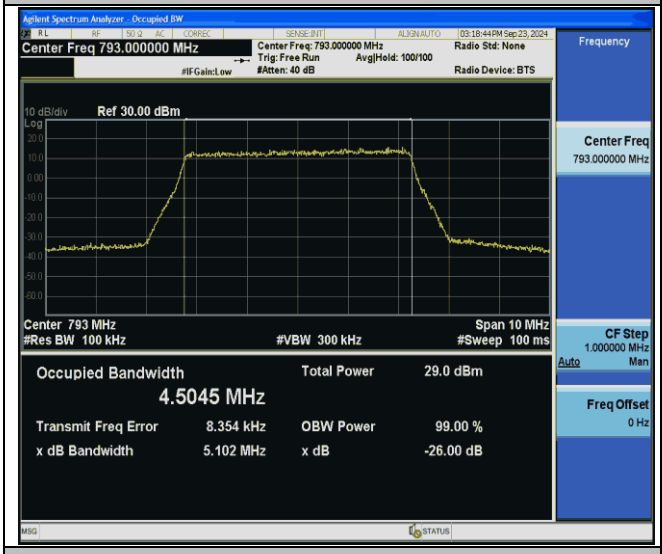
Band14-5MHz-64QAM-23330-25RB#0-PASS



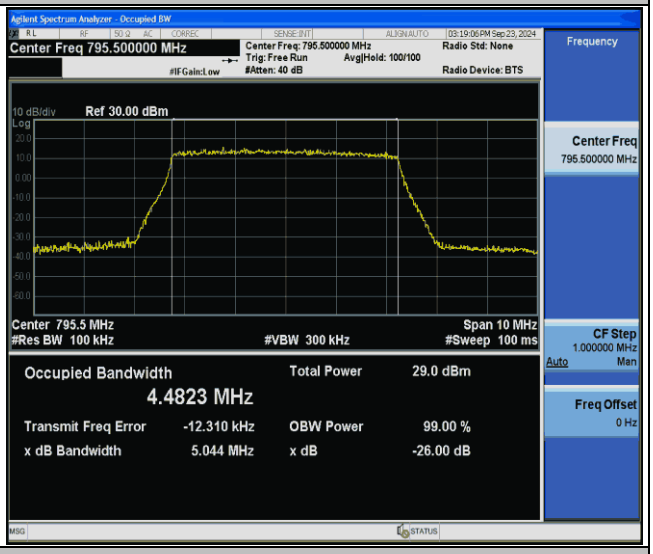
Band14-5MHz-64QAM-23355-25RB#0-PASS



Band14-5MHz-256QAM-23305-25RB#0-PASS

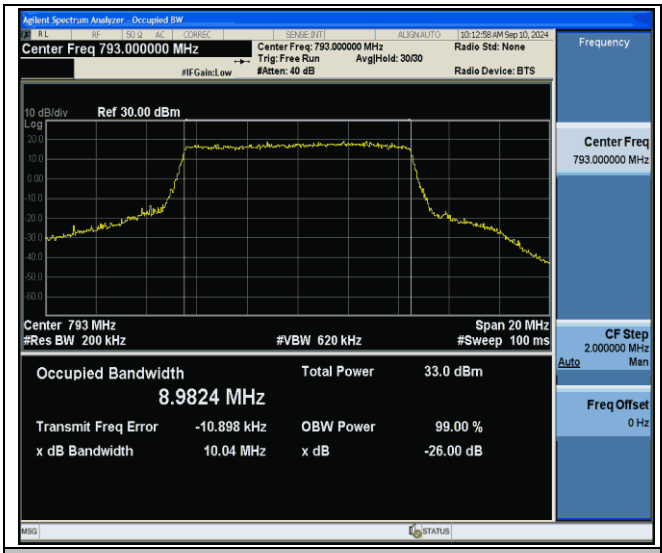


Band14-5MHz-256QAM-23330-25RB#0-PASS



Band14-5MHz-256QAM-23355-25RB#0-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



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

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

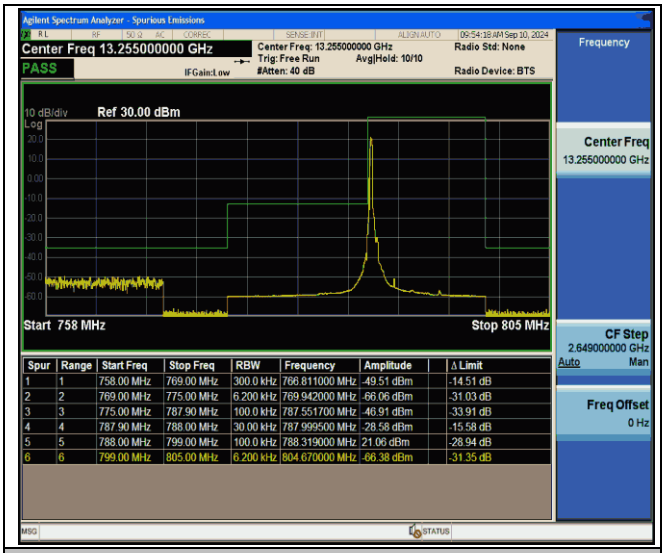
Band14-10MHz-64QAM-23330-50RB#0-PASS

Band14-10MHz-256QAM-23330-50RB#0-PASS

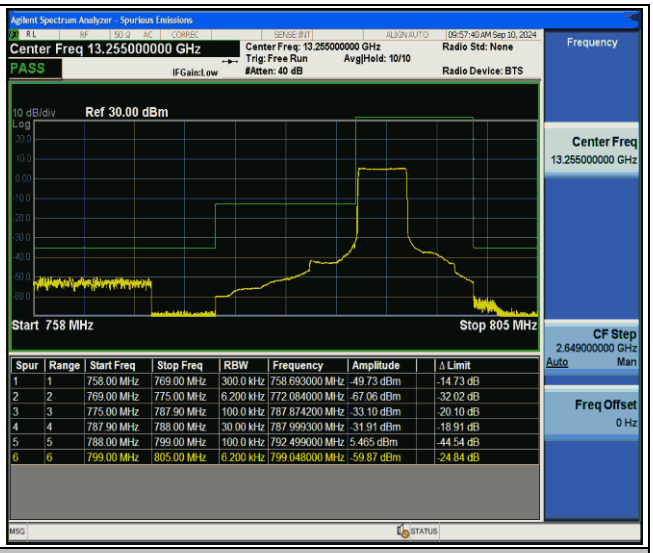
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

Band Edge

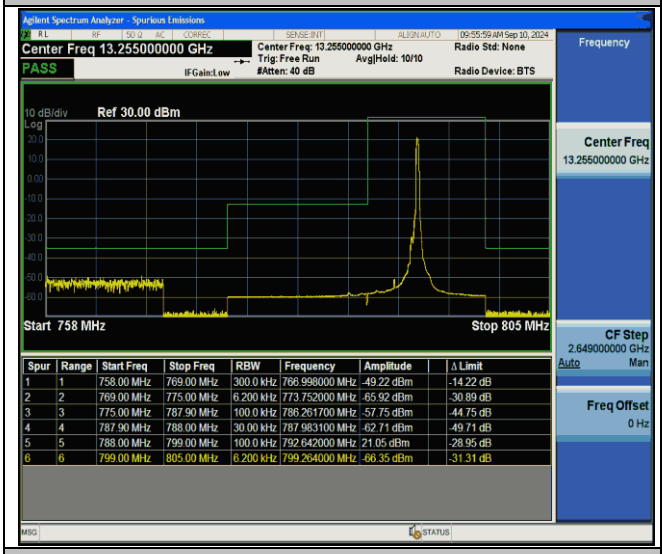
Test Graphs



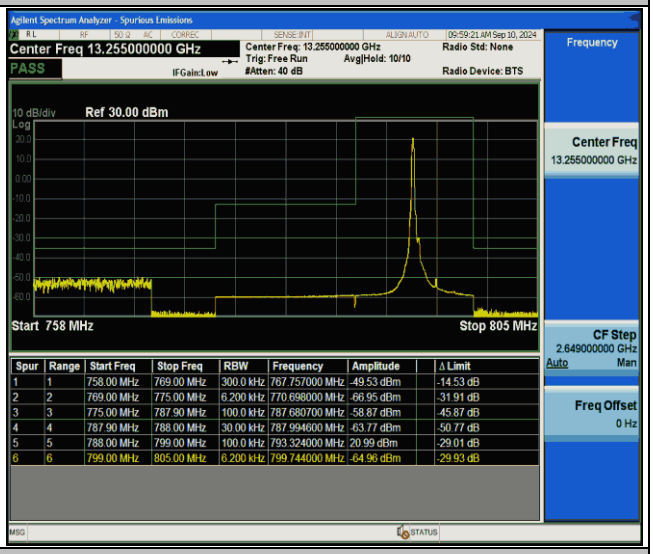
Band14-5MHz-QPSK-23305-1RB#0-PASS



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

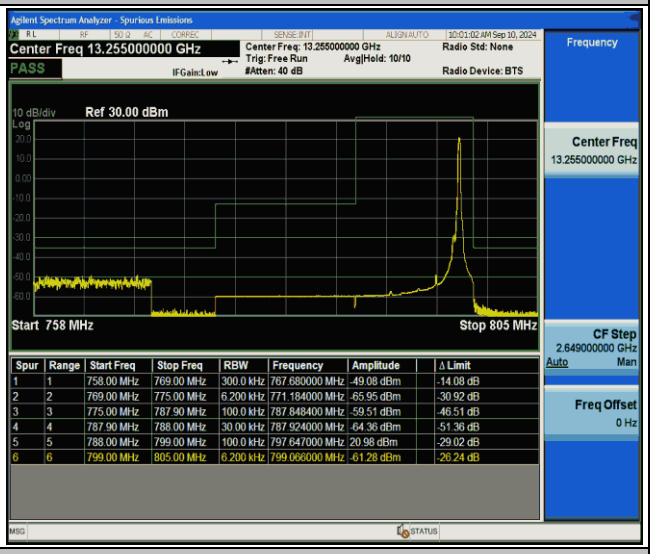


Band14-5MHz-QPSK-23305-1RB#24-PASS



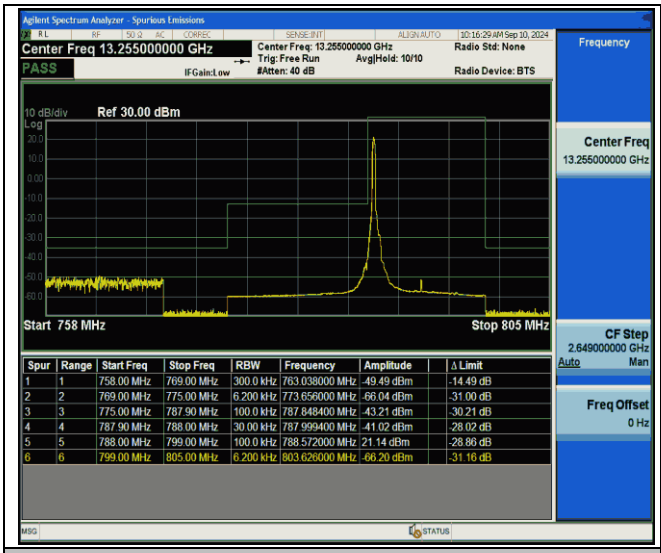
Band14-5MHz-QPSK-23355-1RB#0-PASS

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



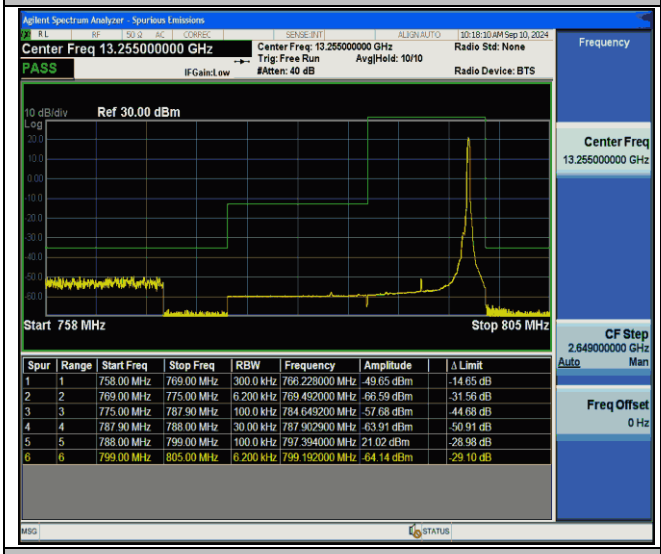
Band14-5MHz-QPSK-23355-1RB#24-PASS

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



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

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

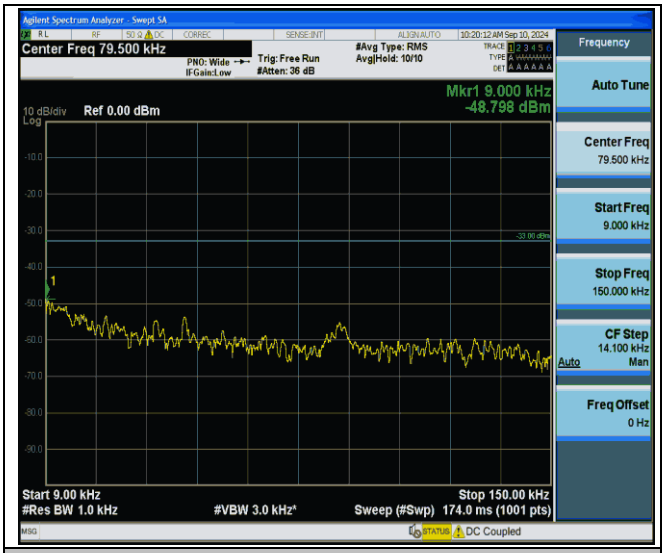


Band14-10MHz-QPSK-23330-1RB#49-PASS

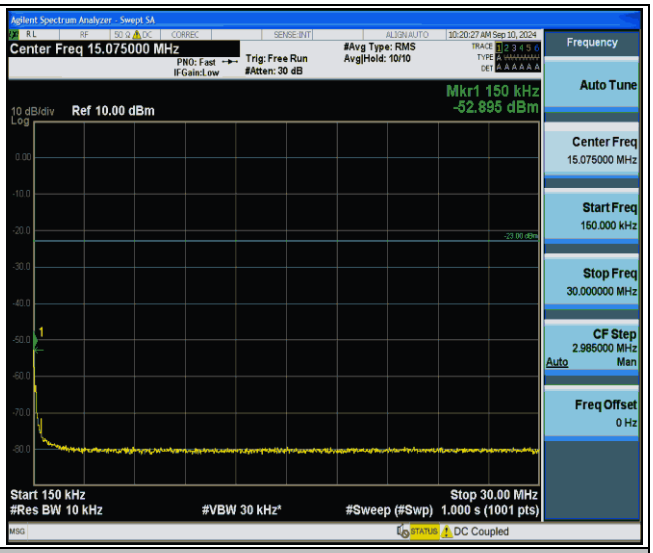
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

Conducted Spurious Emission

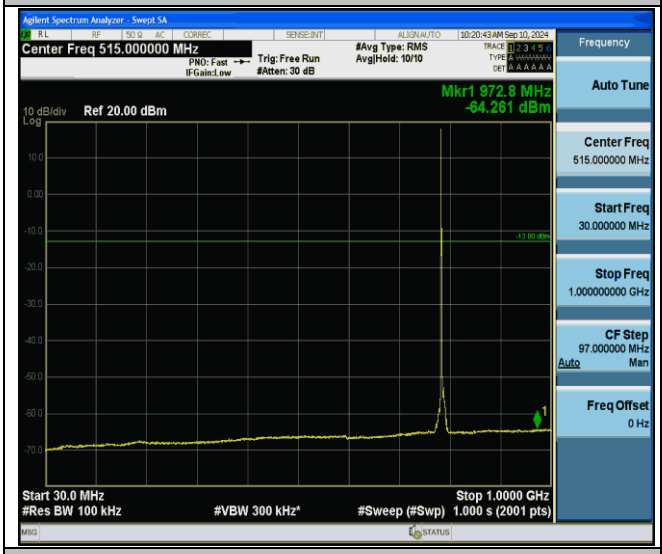
Test Graphs



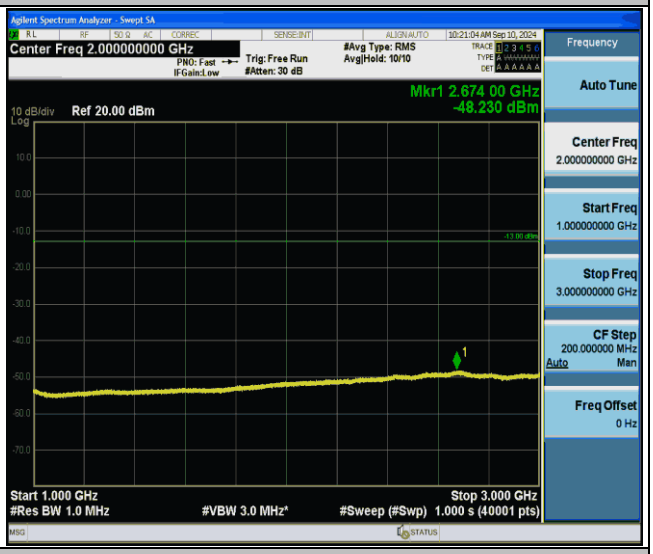
Band14-10MHz-QPSK-23330-1RB#0-0.009~0.15-PASS



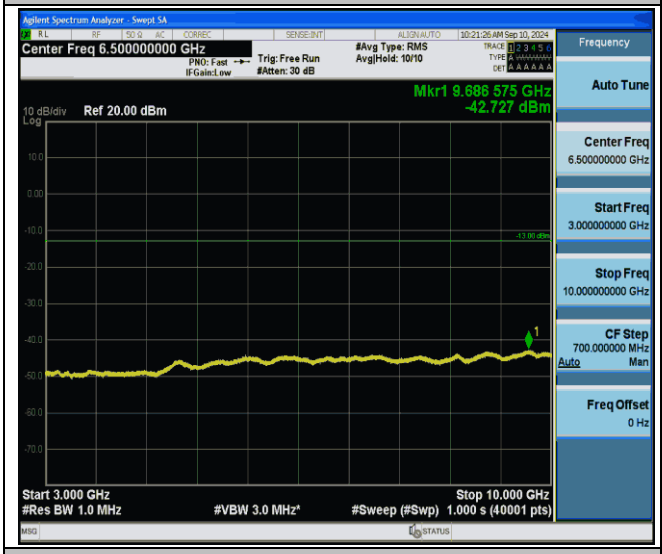
Band14-10MHz-QPSK-23330-1RB#0-0.15~30-PASS



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



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



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

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

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	1.60	0.002018	PASS
Band14	10MHz	QPSK	23330	50RB#0	VL	NT	-0.60	-0.000757	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	0.30	0.000378	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-20	-0.20	-0.000252	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	-10	1.80	0.002270	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	0	0.30	0.000378	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	10	0.90	0.001135	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	20	1.40	0.001765	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	30	0.20	0.000252	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	40	1.00	0.001261	PASS
Band14	10MHz	QPSK	23330	50RB#0	NV	50	-0.40	-0.000504	PASS

~The End~

All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.