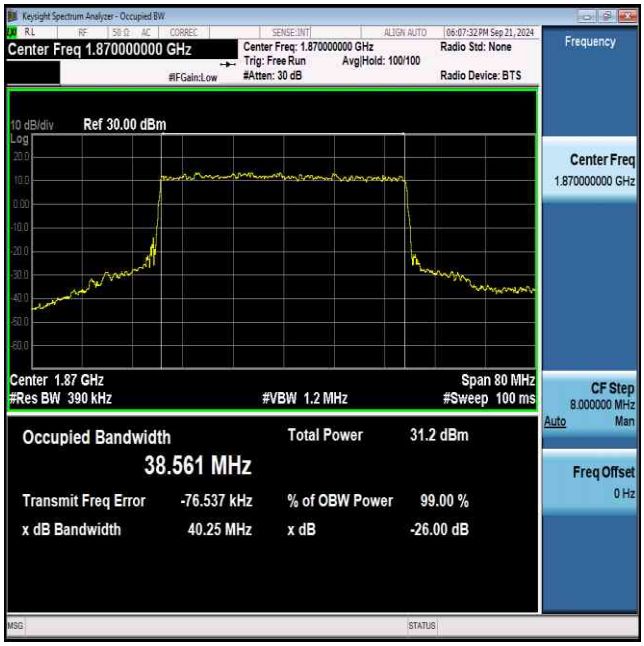
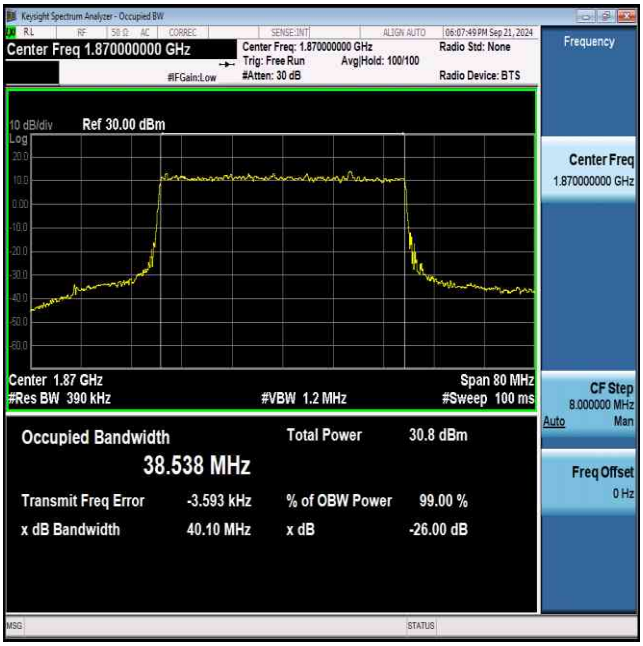
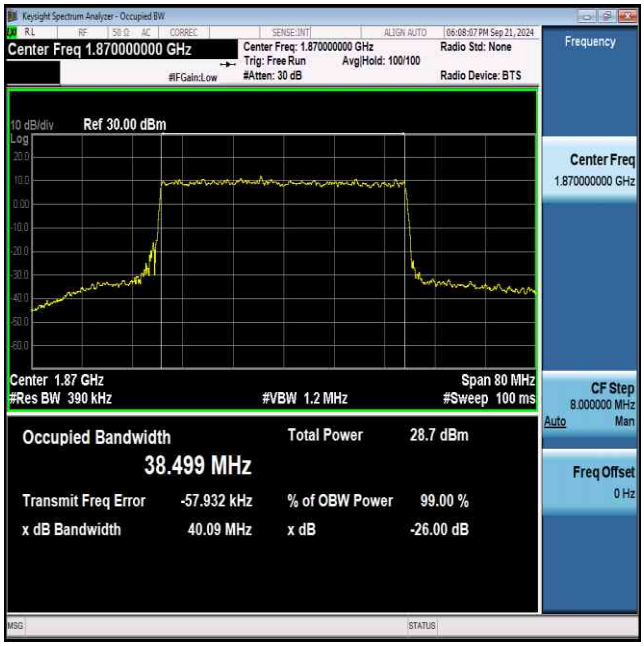


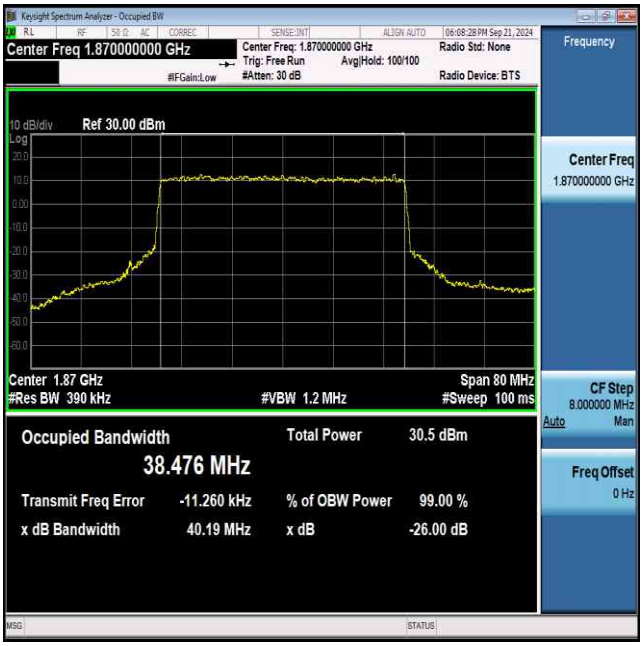
NTNV_N25_PC3_15_40_L_TID3_Ant1#1



NTNV_N25_PC3_15_40_L_TID4_Ant1#1

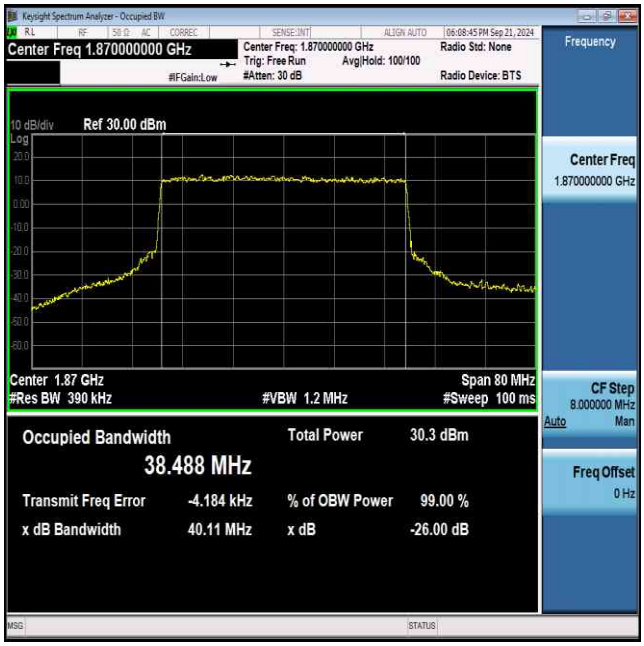


NTNV_N25_PC3_15_40_L_TID5_Ant1#1

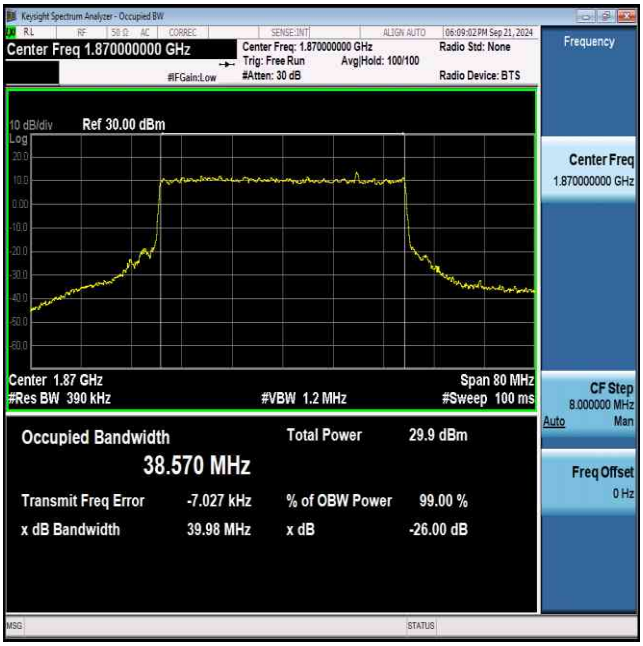


NTNV_N25_PC3_15_40_L_TID6_Ant1#1

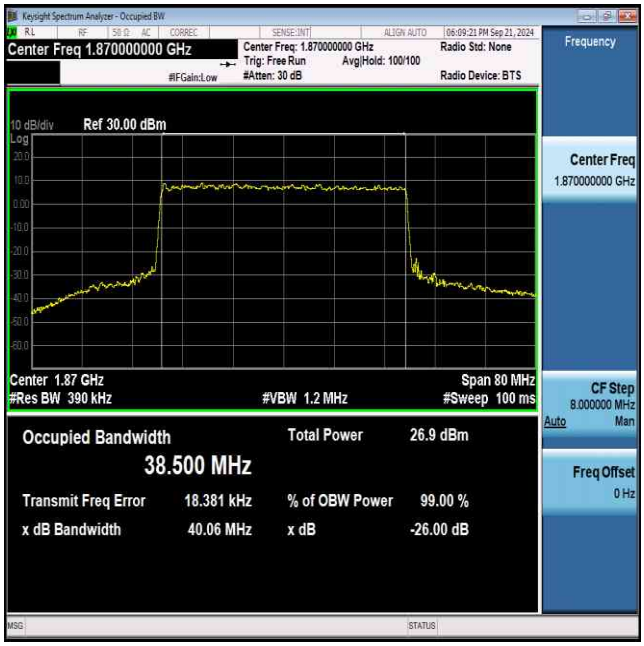
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



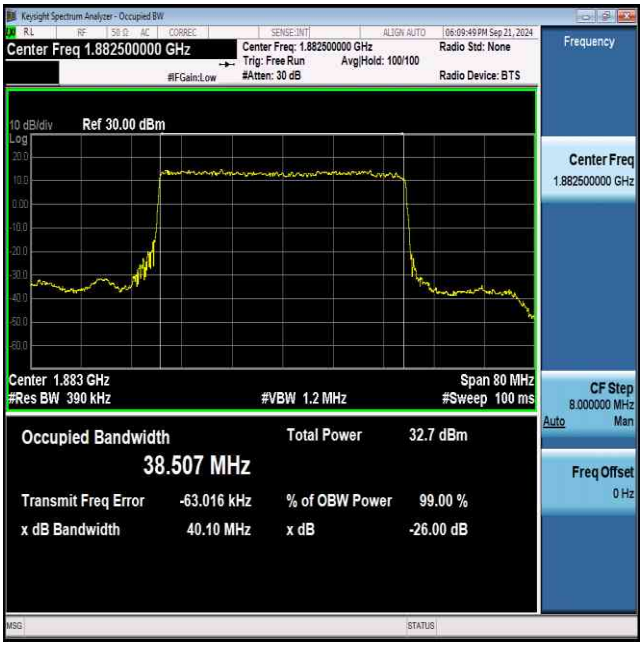
NTNV_N25_PC3_15_40_L_TID7_Ant1#1



NTNV_N25_PC3_15_40_L_TID8_Ant1#1

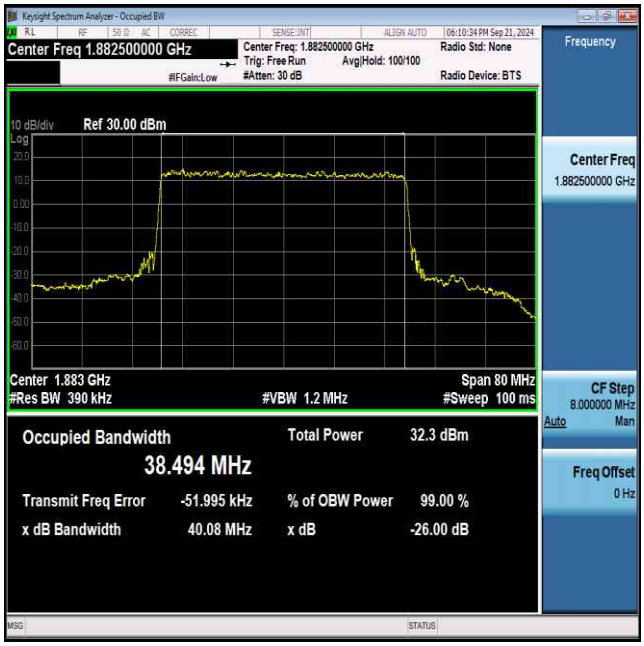


NTNV_N25_PC3_15_40_L_TID9_Ant1#1

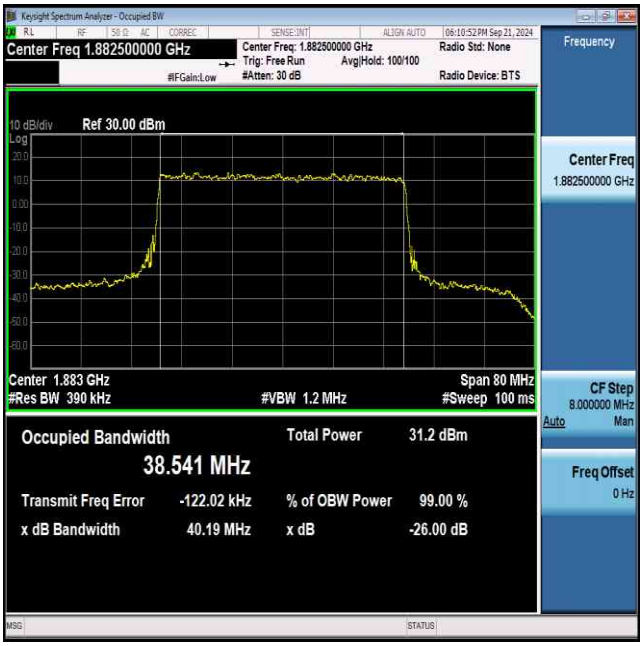


NTNV_N25_PC3_15_40_M_TID1_Ant1#1

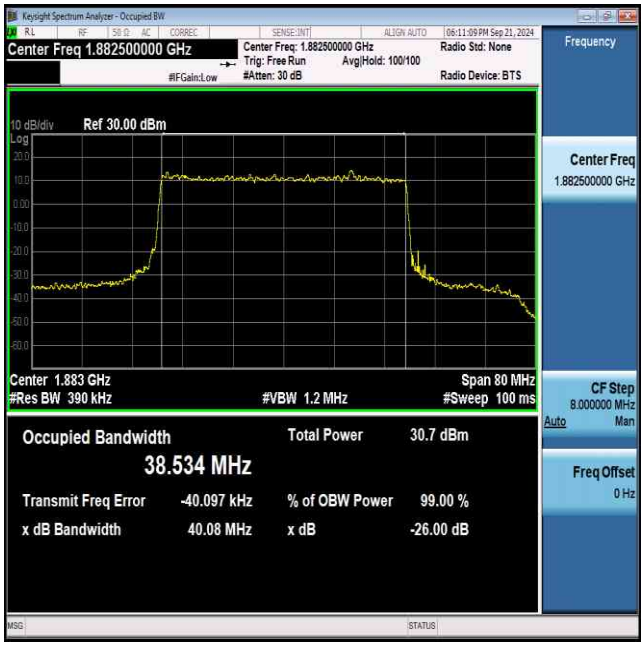
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



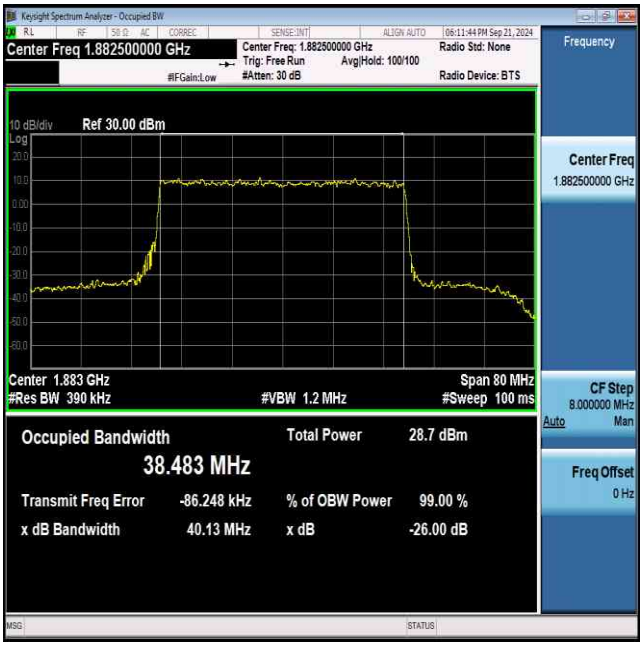
NTNV_N25_PC3_15_40_M_TID2_Ant1#1



NTNV_N25_PC3_15_40_M_TID3_Ant1#1

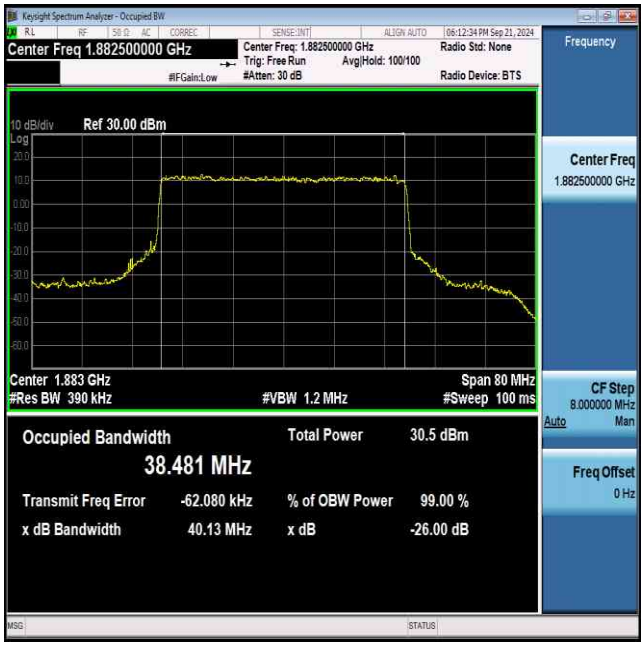


NTNV_N25_PC3_15_40_M_TID4_Ant1#1

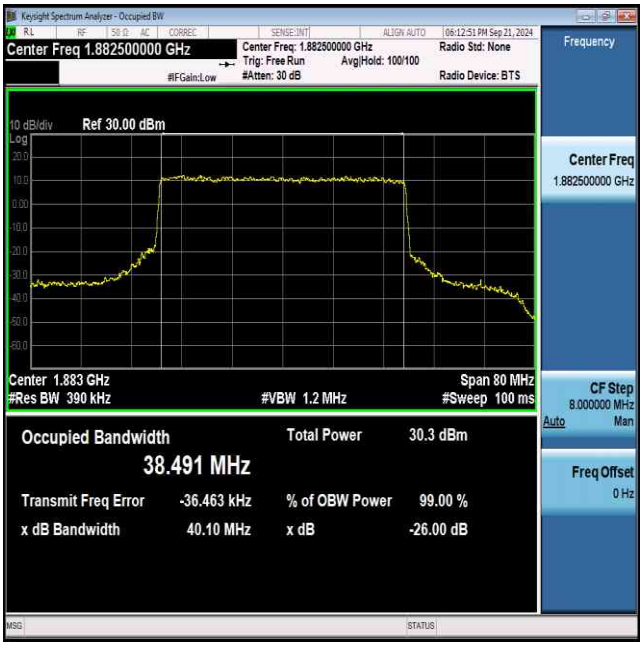


NTNV_N25_PC3_15_40_M_TID5_Ant1#1

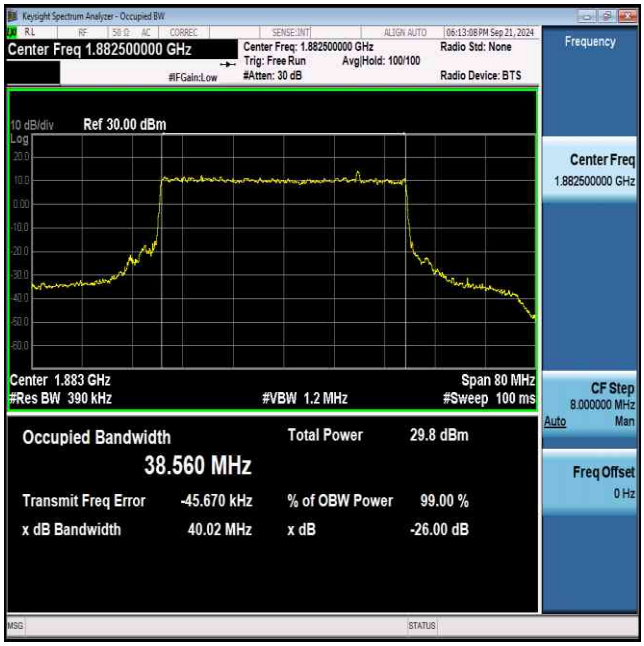
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



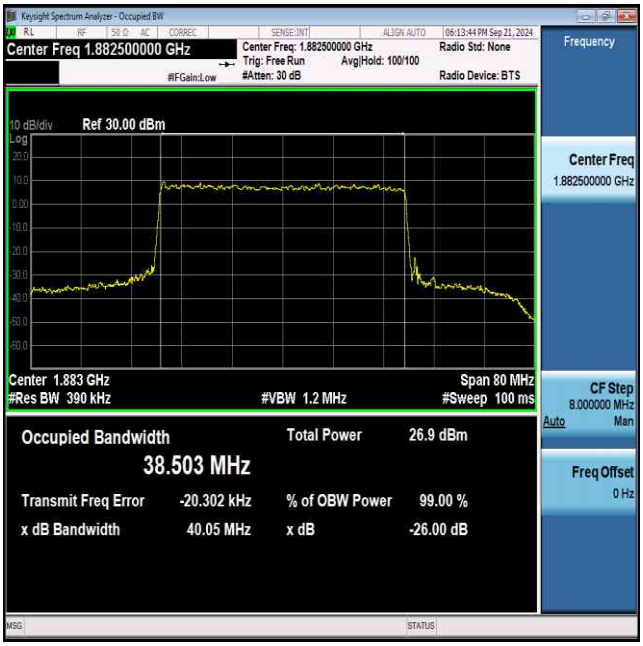
NTNV_N25_PC3_15_40_M_TID6_Ant1#1



NTNV_N25_PC3_15_40_M_TID7_Ant1#1

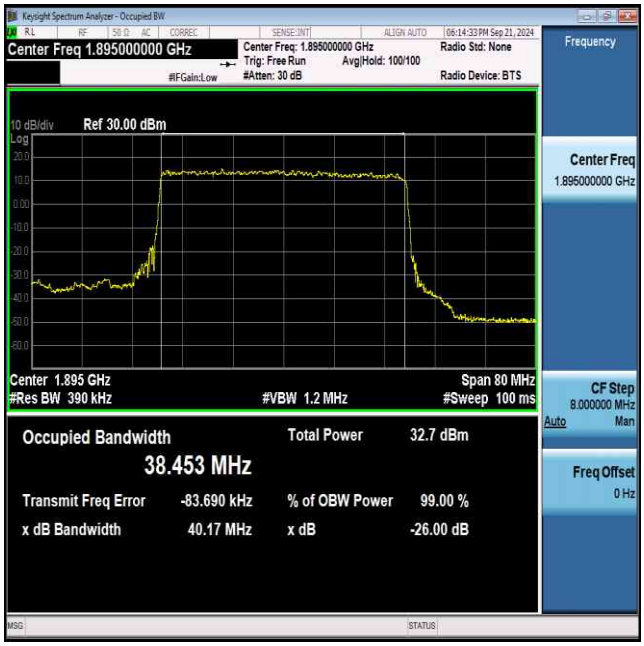


NTNV_N25_PC3_15_40_M_TID8_Ant1#1

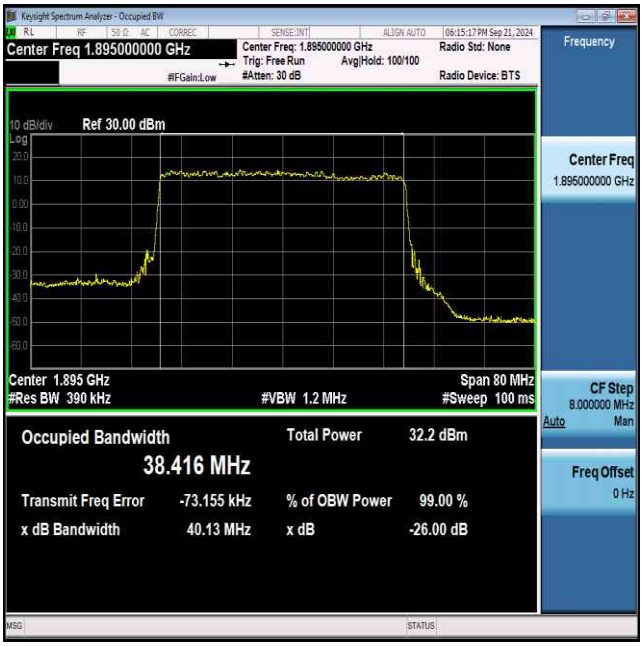


NTNV_N25_PC3_15_40_M_TID9_Ant1#1

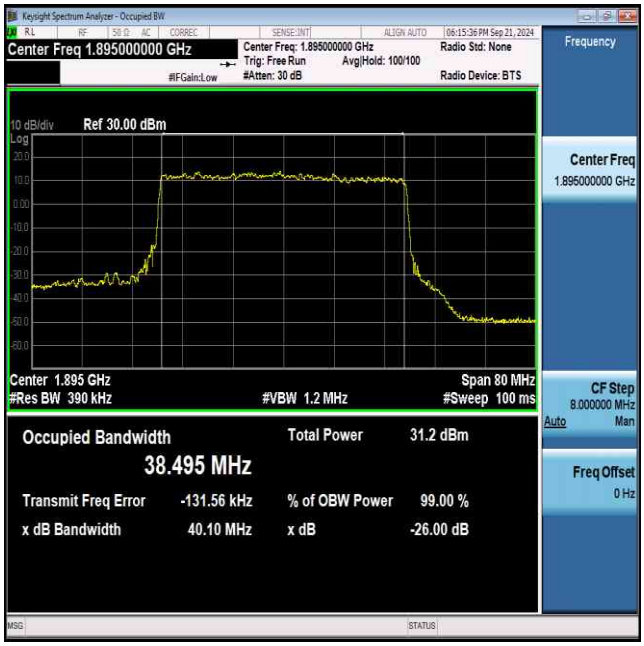
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



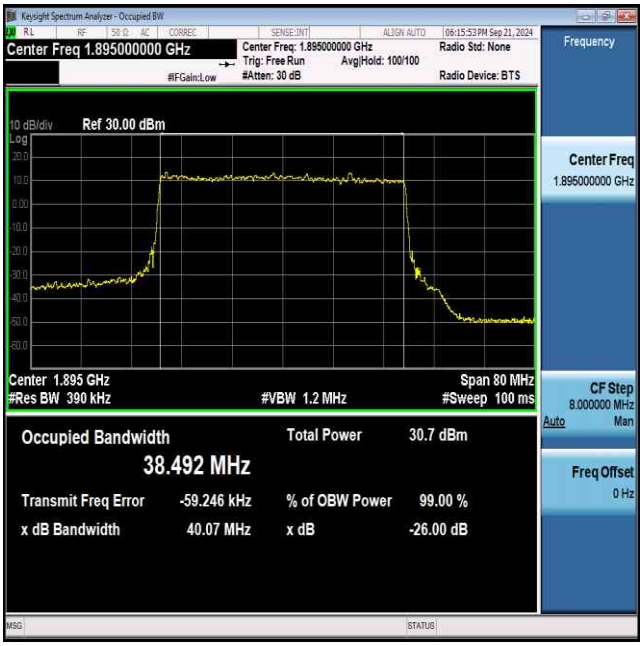
NTNV_N25_PC3_15_40_H_TID1_Ant1#1



NTNV_N25_PC3_15_40_H_TID2_Ant1#1

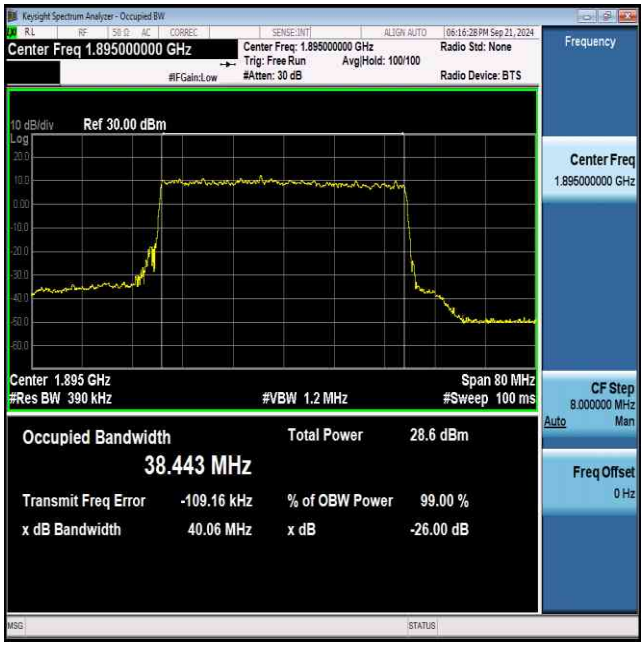


NTNV_N25_PC3_15_40_H_TID3_Ant1#1

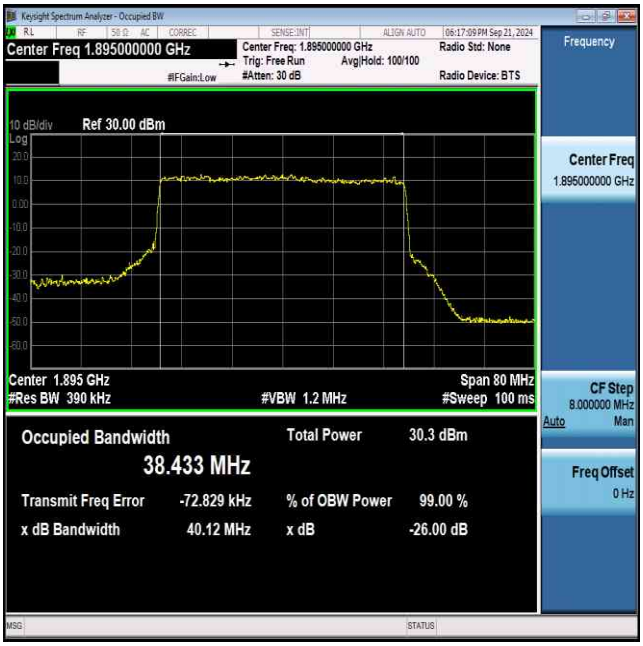


NTNV_N25_PC3_15_40_H_TID4_Ant1#1

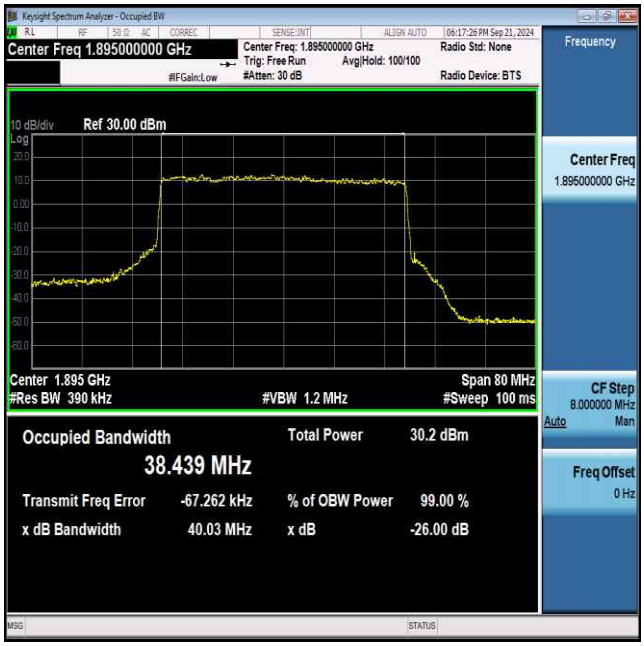
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



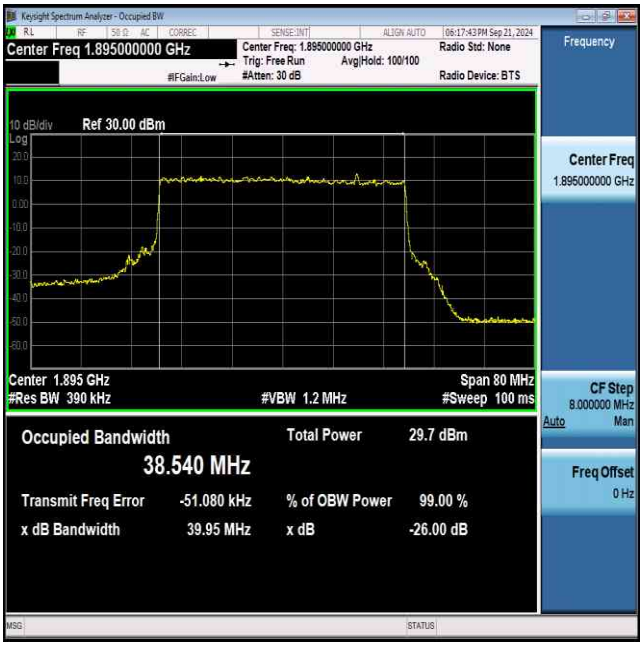
NTNV_N25_PC3_15_40_H_TID5_Ant1#1



NTNV_N25_PC3_15_40_H_TID6_Ant1#1

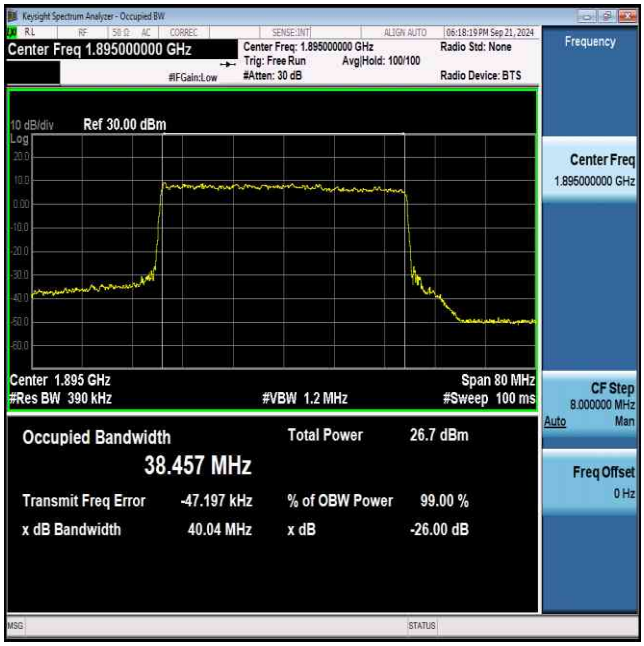


NTNV_N25_PC3_15_40_H_TID7_Ant1#1

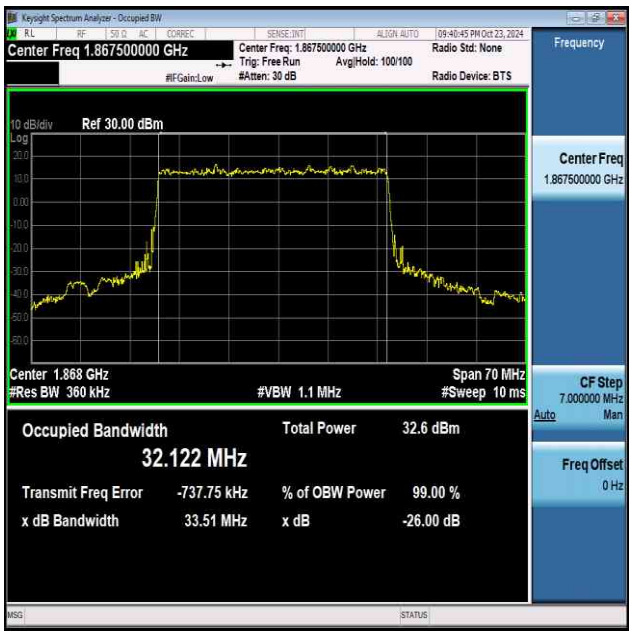


NTNV_N25_PC3_15_40_H_TID8_Ant1#1

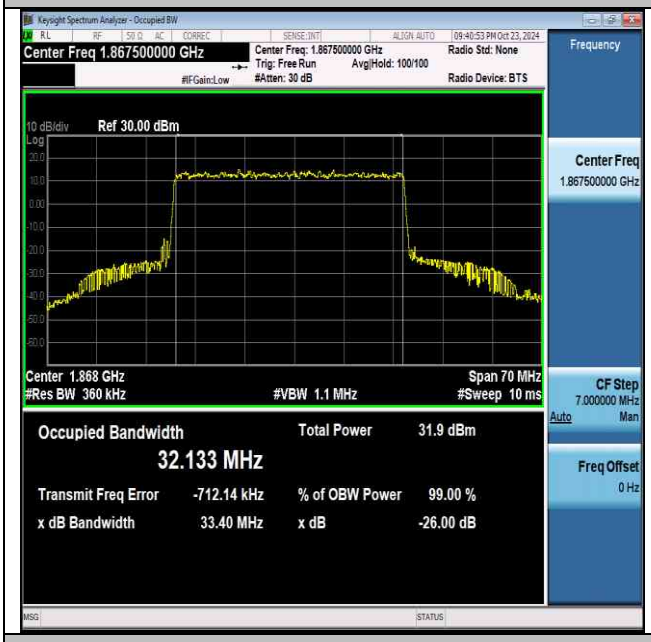
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



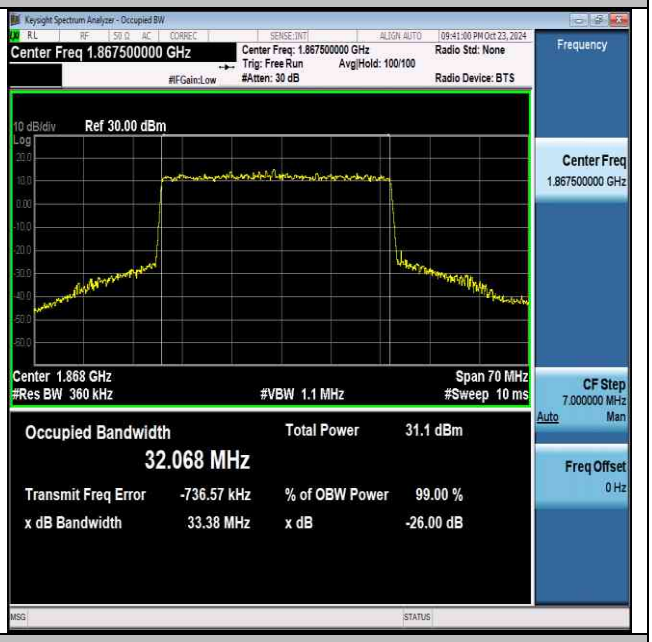
NTNV_N25_PC3_15_40_H_TID9_Ant1#1



NTNV-n25-PC3-15-35-L-DFT-PI2BPSK-Outer_Full-Ant1-PASS

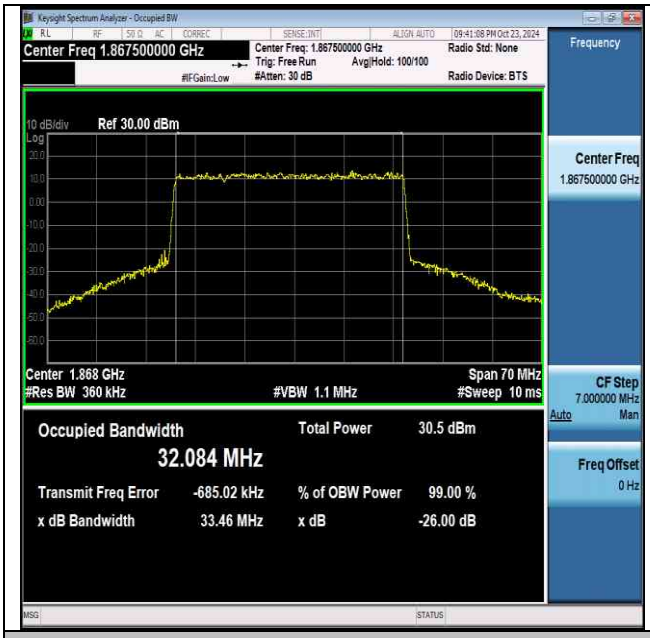


NTNV-n25-PC3-15-35-L-DFT-QPSK-Outer_Full-Ant1-PASS

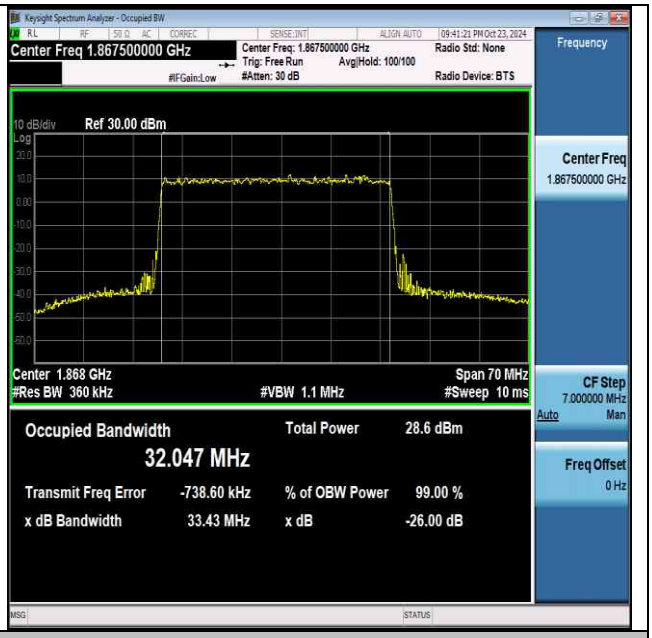


NTNV-n25-PC3-15-35-L-DFT-16QAM-Outer_Full-Ant1-PASS

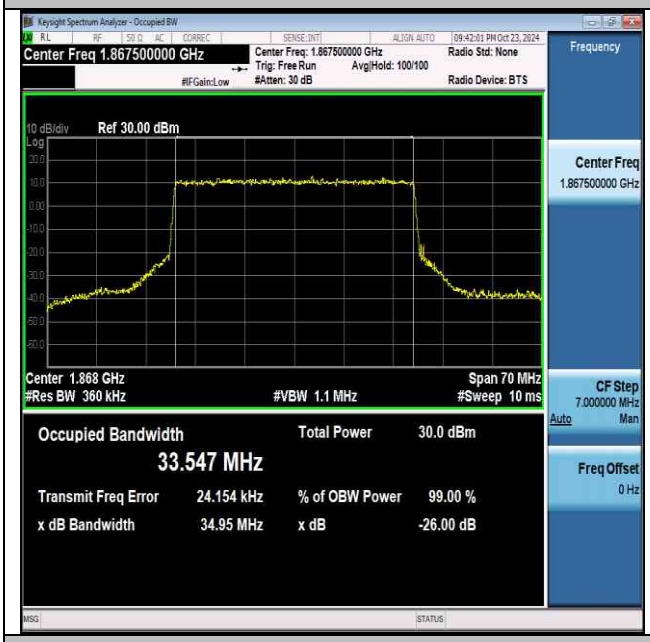
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



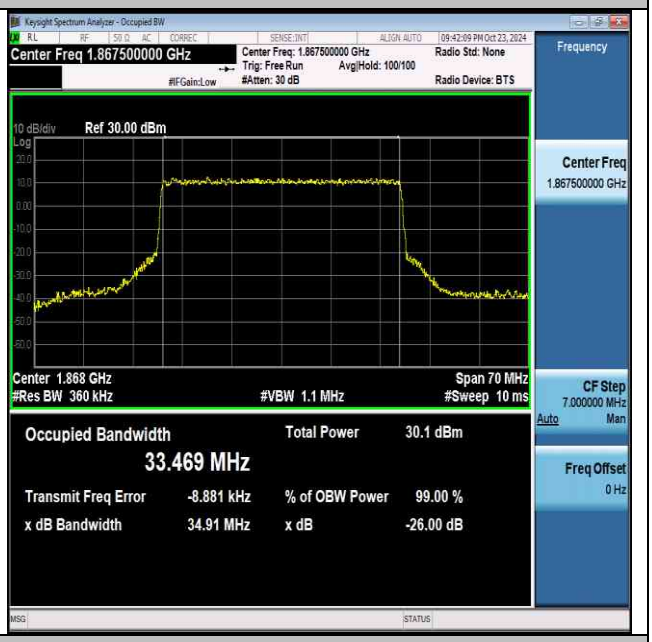
NTNV-n25-PC3-15-35-L-DFT-64QAM-Outer_Full-Ant1-PASS



NTNV-n25-PC3-15-35-L-DFT-256QAM-Outer_Full-Ant1-PASS

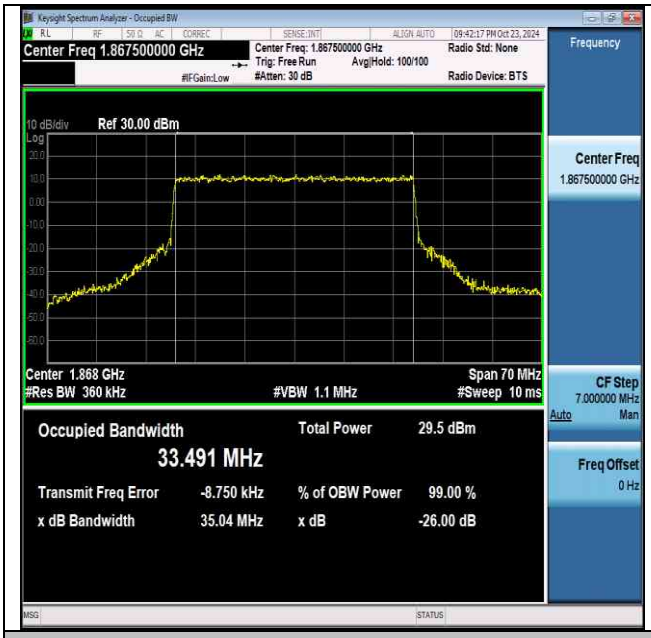


NTNV-n25-PC3-15-35-L-CP-QPSK-Outer_Full-Ant1-PASS

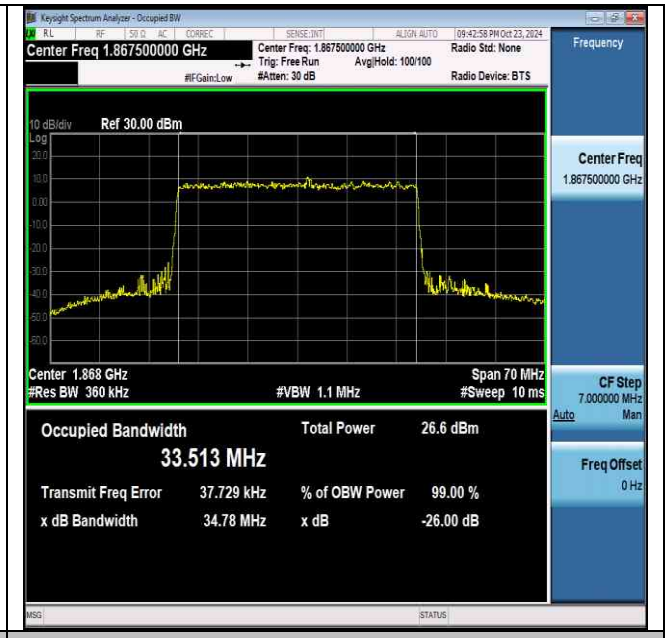


NTNV-n25-PC3-15-35-L-CP-16QAM-Outer_Full-Ant1-PASS

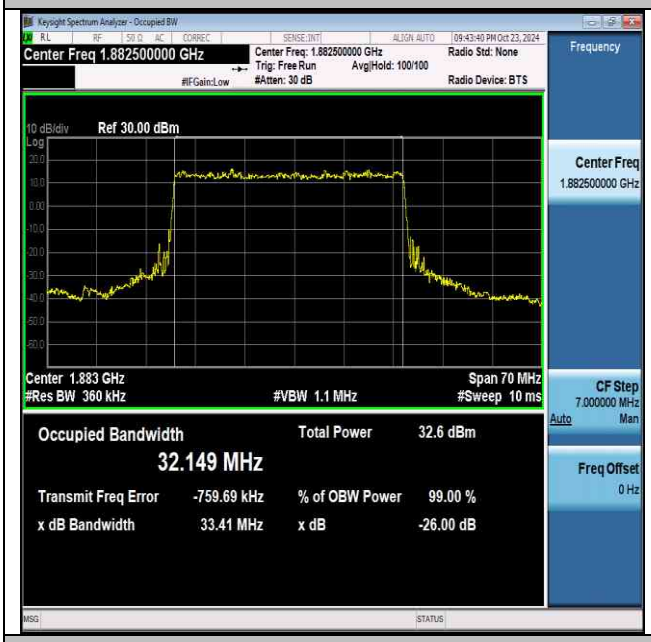
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



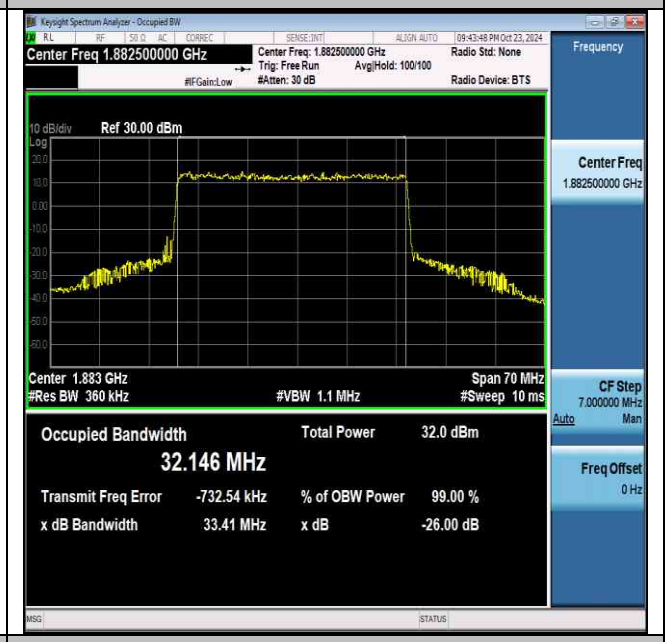
NTNV-n25-PC3-15-35-L-CP-64QAM-Outer_Full-Ant1-PASS



NTNV-n25-PC3-15-35-L-CP-256QAM-Outer_Full-Ant1-PASS

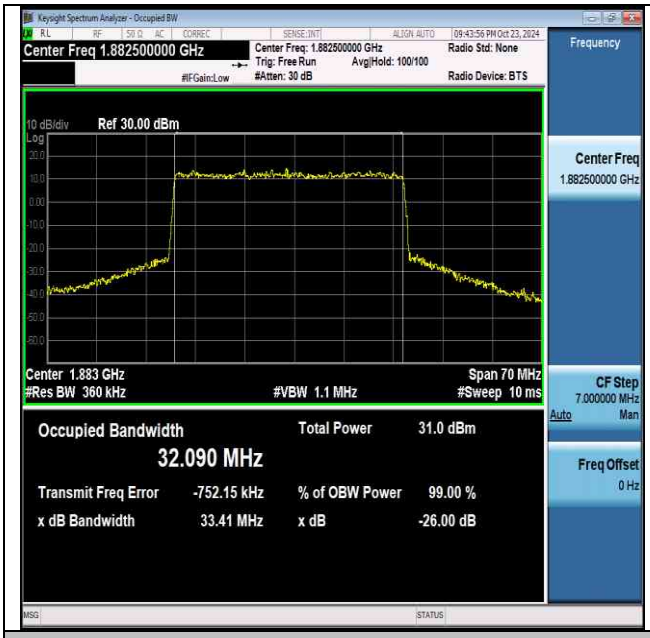


NTNV-n25-PC3-15-35-M-DFT-PI2BPSK-Outer_Full-Ant1-PASS

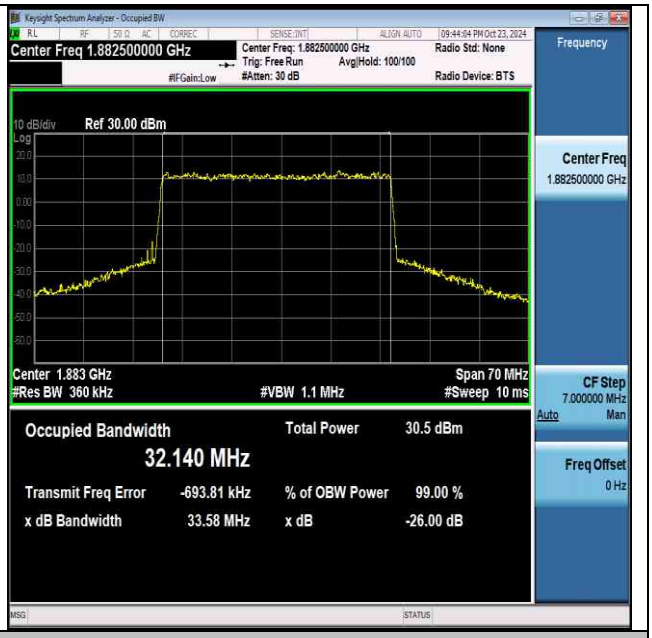


NTNV-n25-PC3-15-35-M-DFT-QPSK-Outer_Full-Ant1-PASS

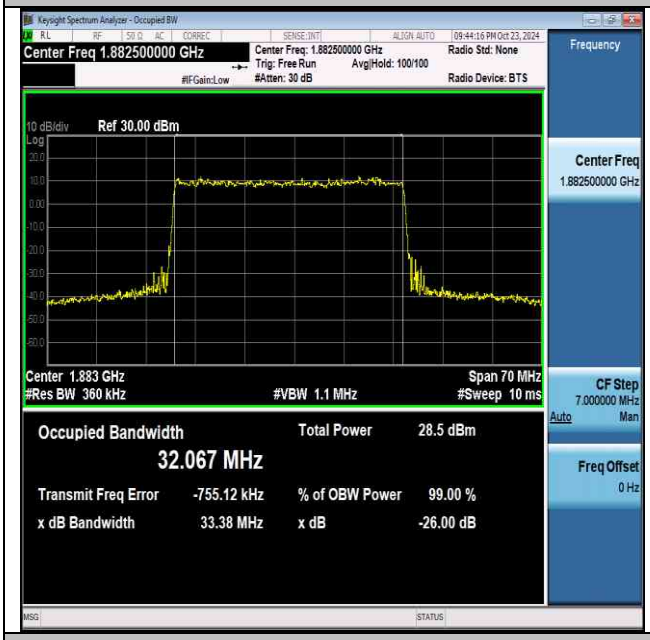
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



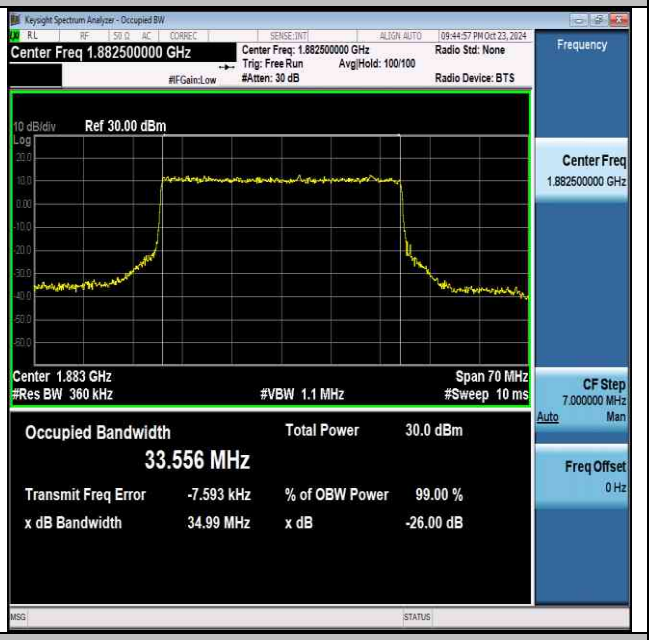
NTNV-n25-PC3-15-35-M-DFT-16QAM-Outer_Full-Ant1-PASS



NTNV-n25-PC3-15-35-M-DFT-64QAM-Outer_Full-Ant1-PASS

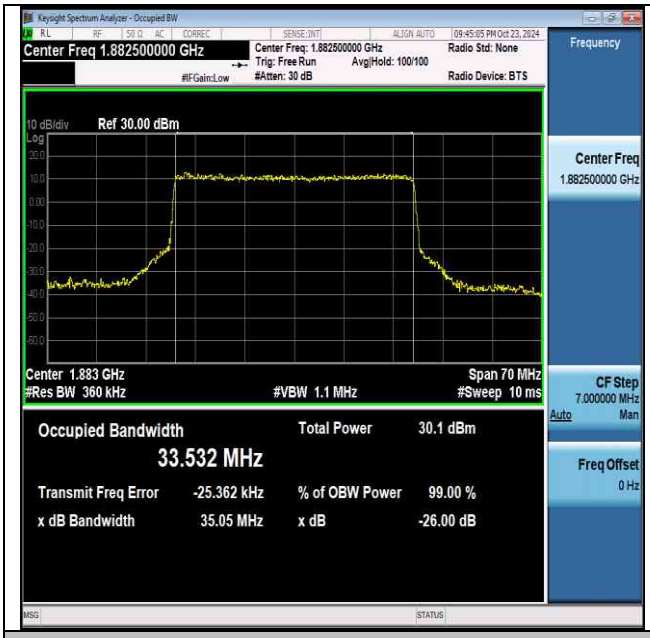


NTNV-n25-PC3-15-35-M-DFT-256QAM-Outer_Full-Ant1-PASS

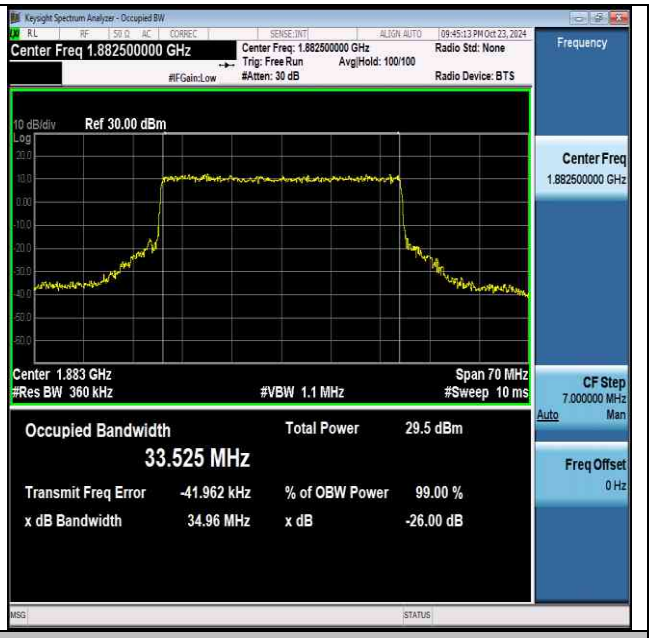


NTNV-n25-PC3-15-35-M-CP-QPSK-Outer_Full-Ant1-PASS

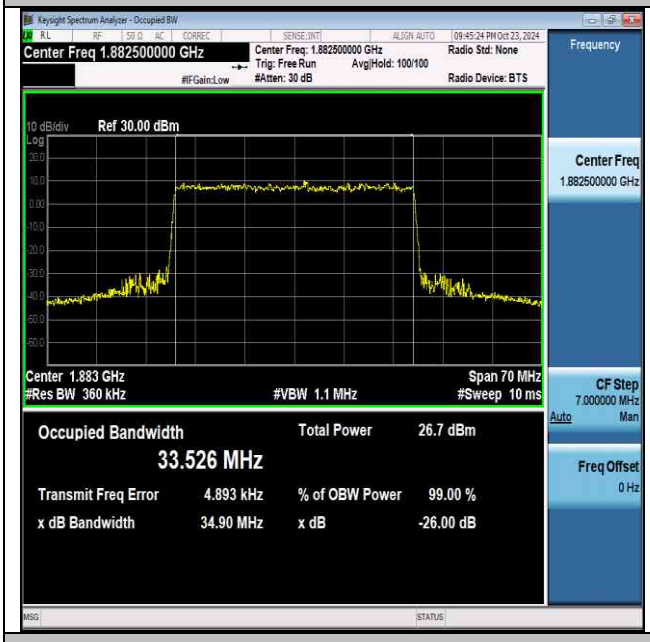
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



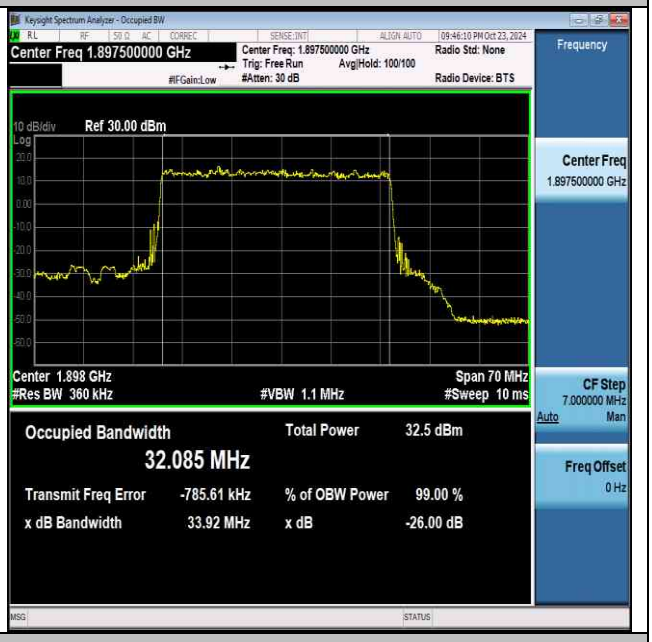
NTNV-n25-PC3-15-35-M-CP-16QAM-Outer_Full-Ant1-PASS



NTNV-n25-PC3-15-35-M-CP-64QAM-Outer_Full-Ant1-PASS

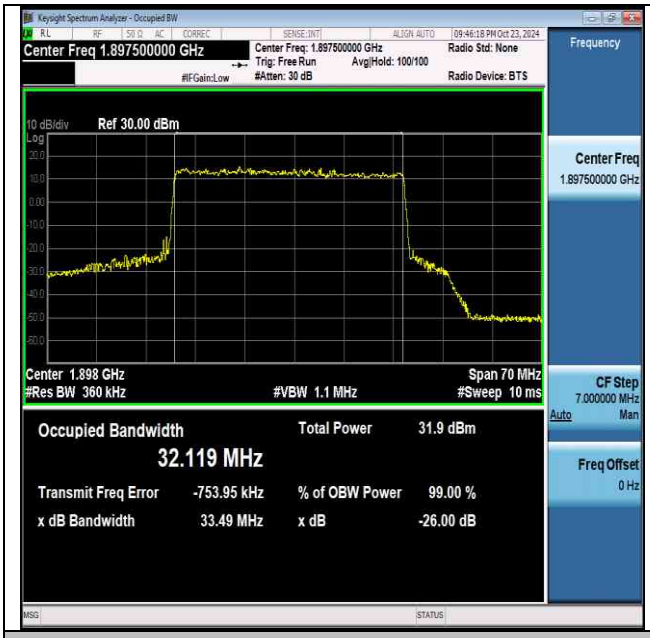


NTNV-n25-PC3-15-35-M-CP-256QAM-Outer_Full-Ant1-PASS

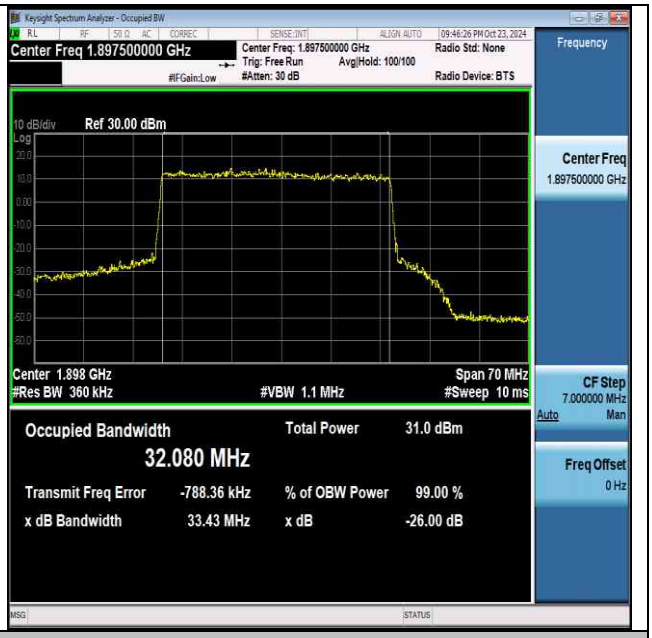


NTNV-n25-PC3-15-35-H-DFT-PI2BPSK-Outer_Full-Ant1-PASS

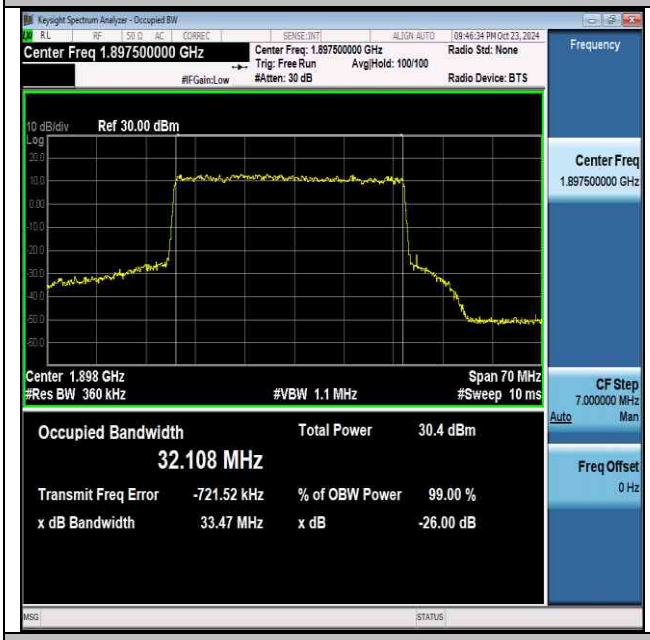
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



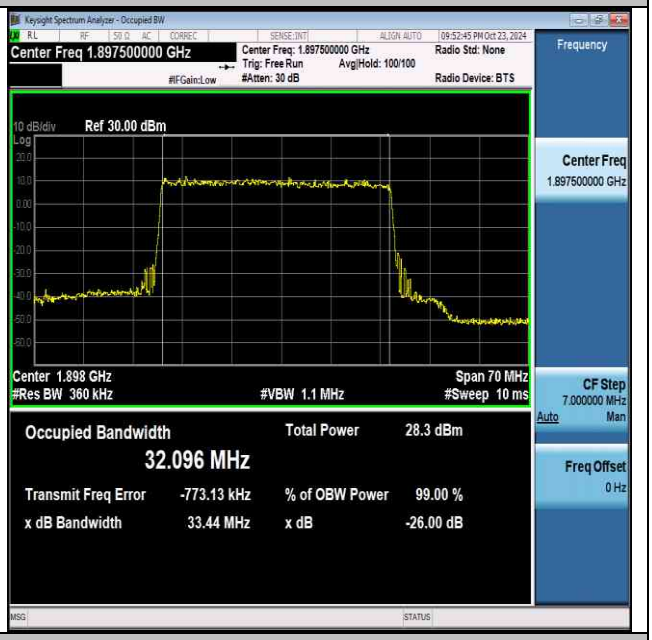
NTNV-n25-PC3-15-35-H-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-n25-PC3-15-35-H-DFT-16QAM-Outer_Full-Ant1-PASS

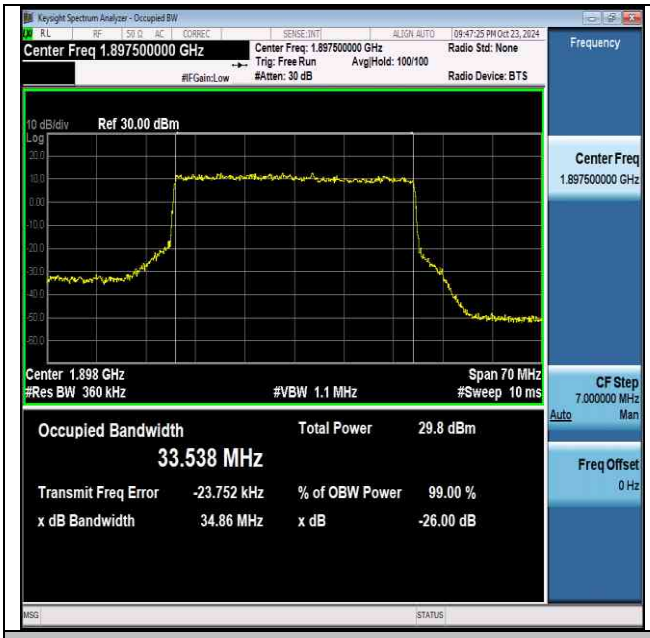


NTNV-n25-PC3-15-35-H-DFT-64QAM-Outer_Full-Ant1-PASS

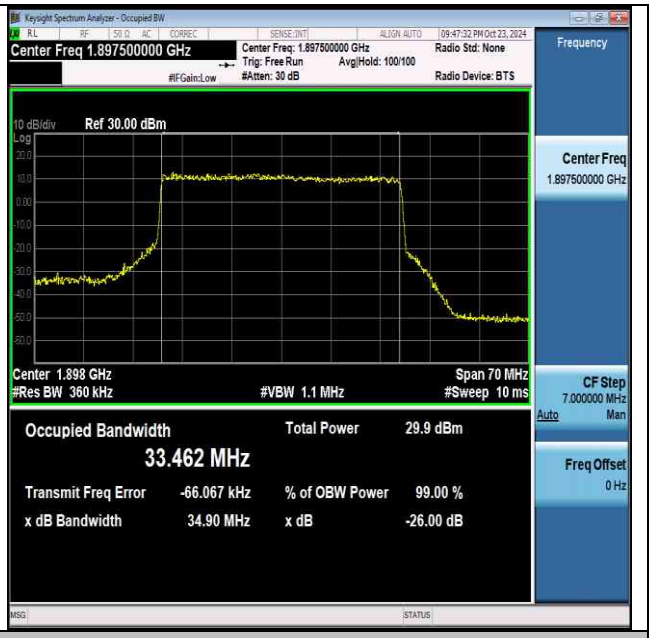


NTNV-n25-PC3-15-35-H-DFT-256QAM-Outer_Full-Ant1-PASS

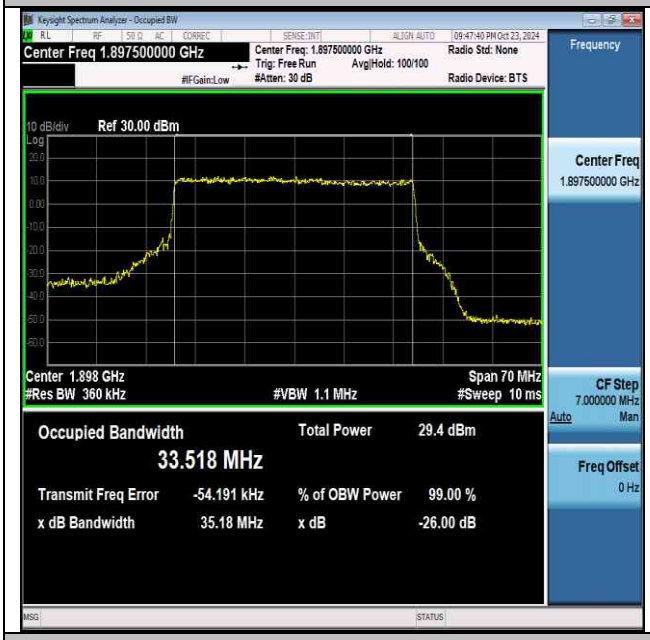
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



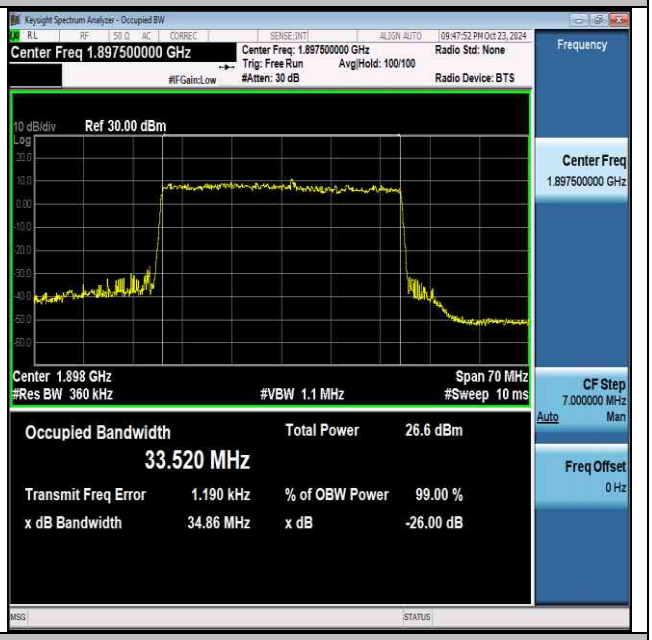
NTNV-n25-PC3-15-35-H-CP-QPSK-Outer_Full-Ant1-PASS



NTNV-n25-PC3-15-35-H-CP-16QAM-Outer_Full-Ant1-PASS



NTNV-n25-PC3-15-35-H-CP-64QAM-Outer_Full-Ant1-PASS

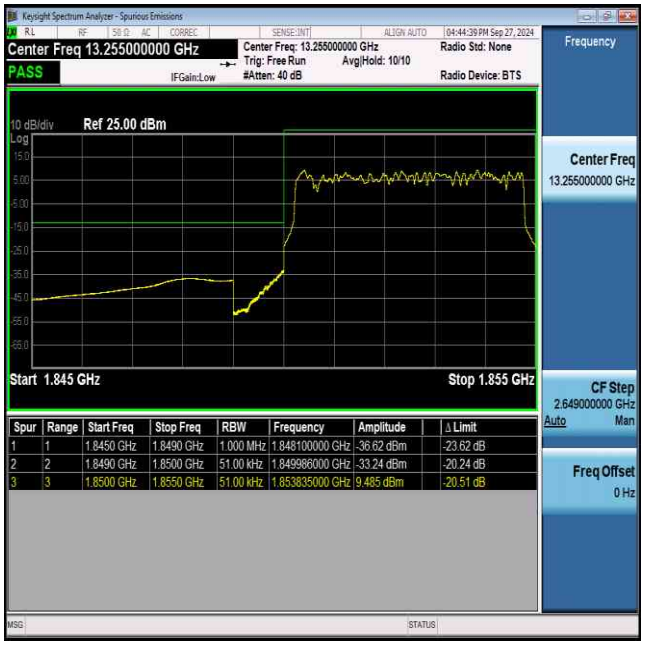


NTNV-n25-PC3-15-35-H-CP-256QAM-Outer_Full-Ant1-PASS

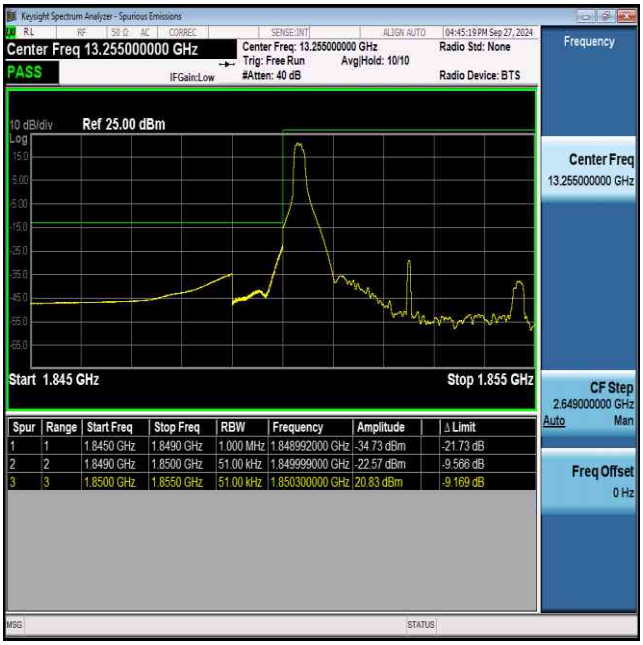
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

Band Edge for SA

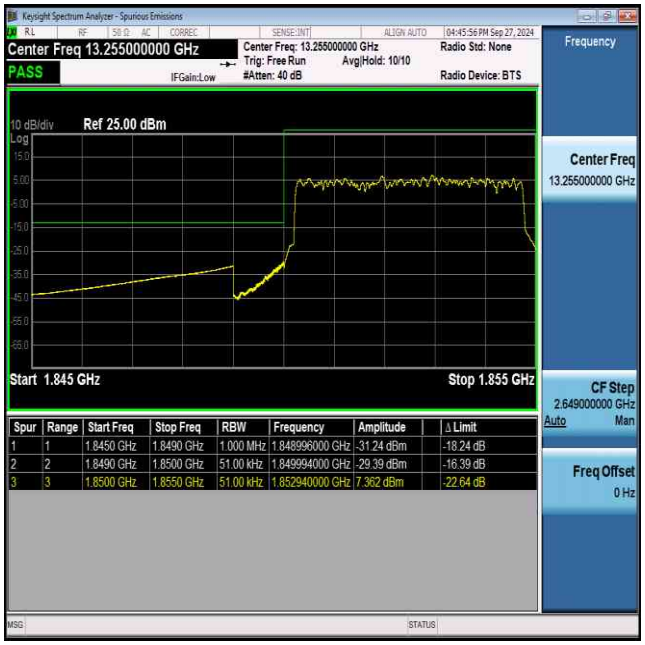
Test Graphs



NTNV_N25_PC3_15_5_L_TID1__#1



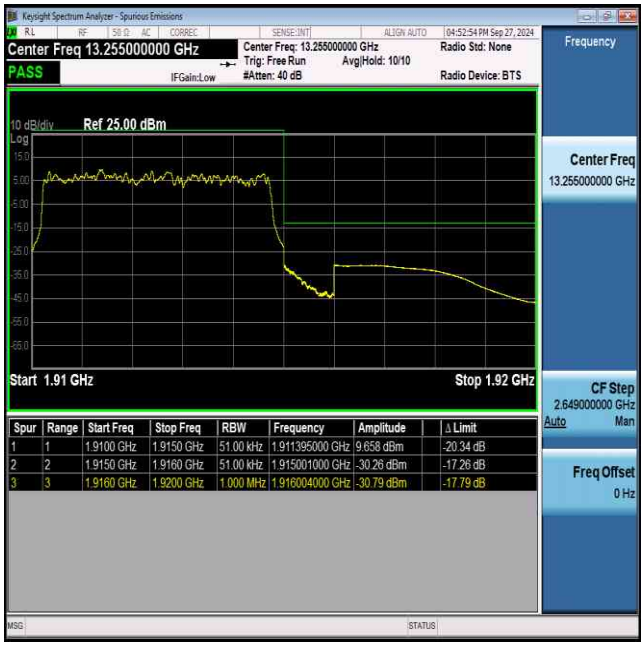
NTNV_N25_PC3_15_5_L_TID2__#1



NTNV_N25_PC3_15_5_L_TID16__#1

NTNV_N25_PC3_15_5_L_TID17__#1

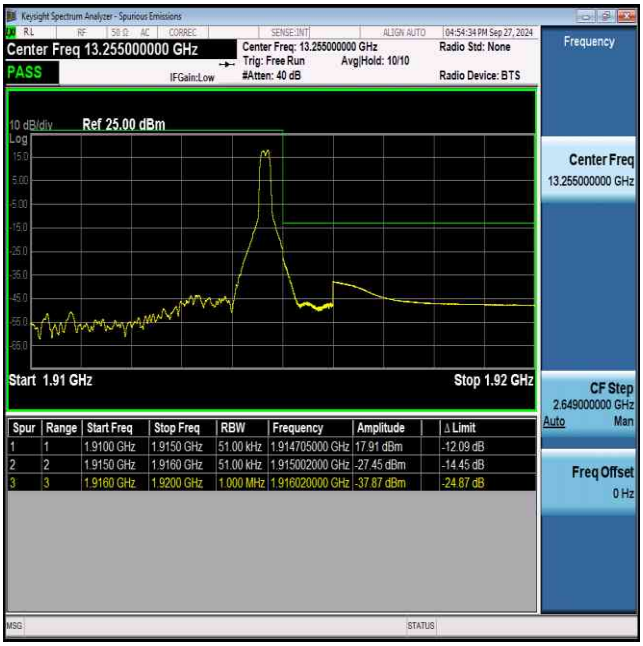
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



NTNV_N25_PC3_15_5_H_TID1__#1

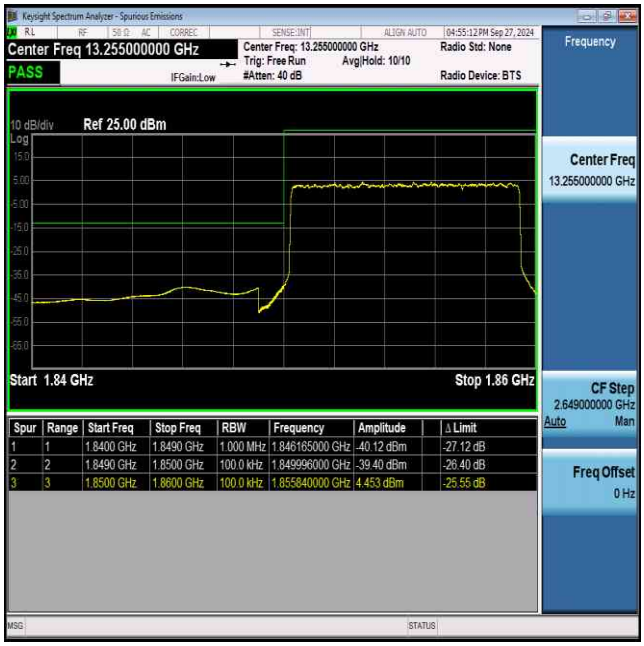
NTNV_N25_PC3_15_5_H_TID3__#1

NTNV_N25_PC3_15_5_H_TID16__#1

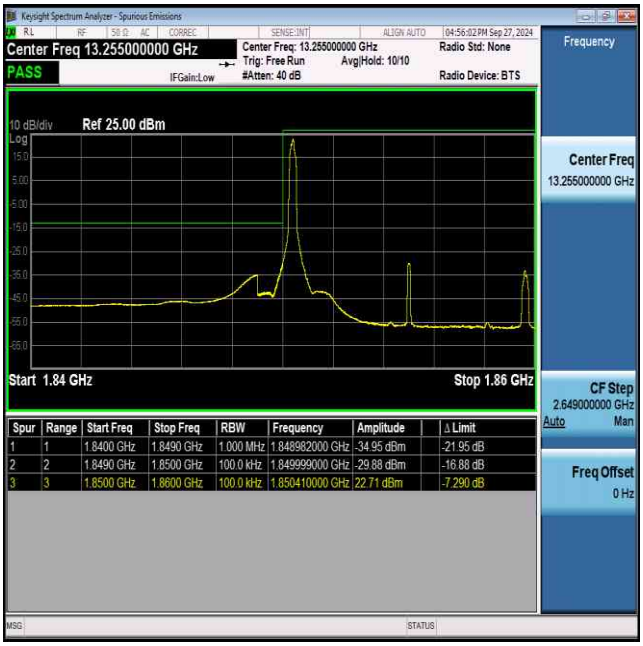


NTNV_N25_PC3_15_5_H_TID18__#1

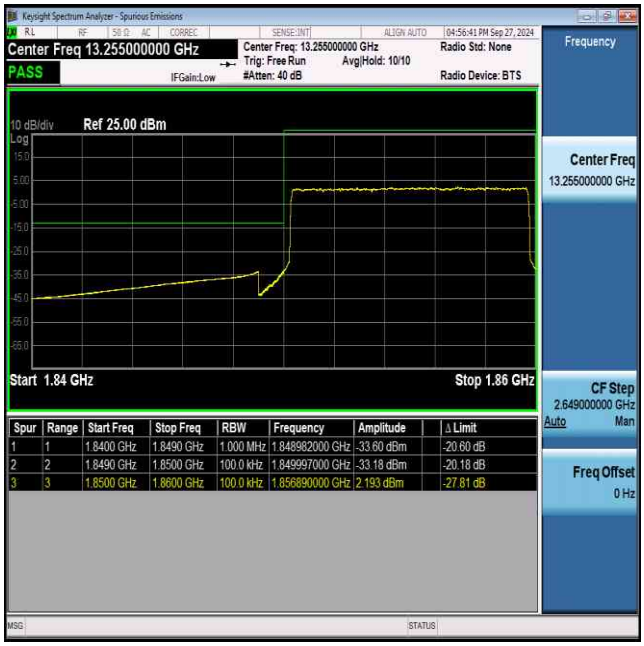
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



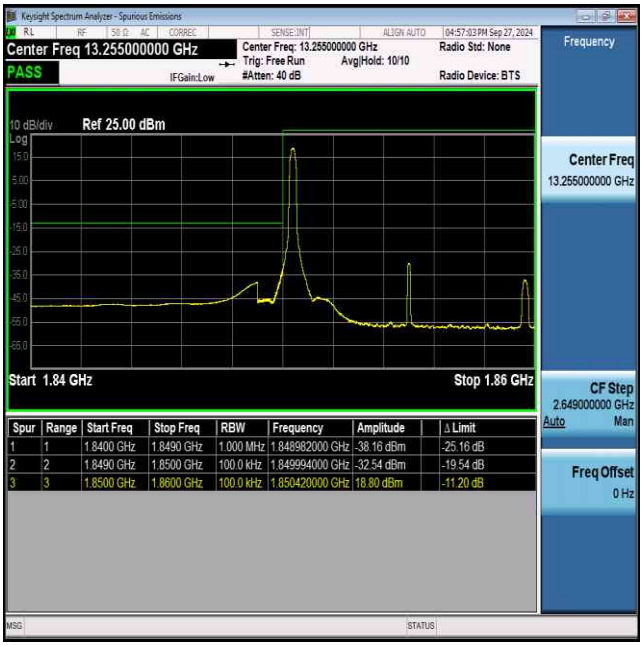
NTNV_N25_PC3_15_10_L_TID1__#1



NTNV_N25_PC3_15_10_L_TID2__#1

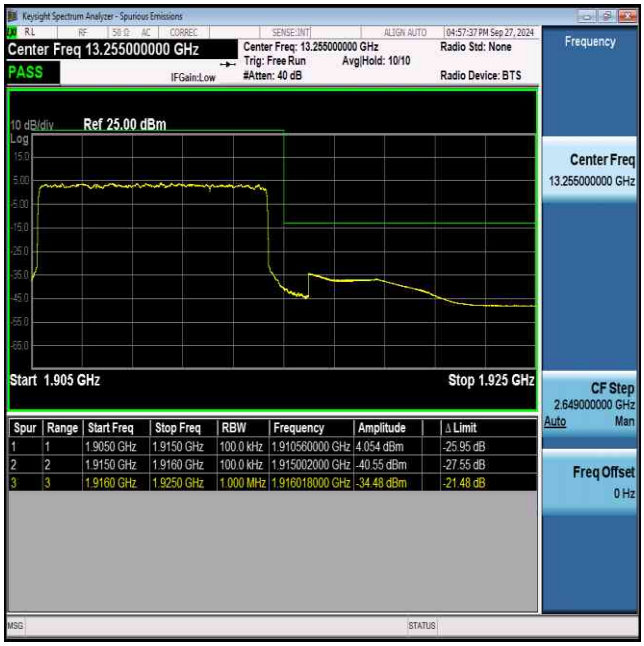


NTNV_N25_PC3_15_10_L_TID16__#1

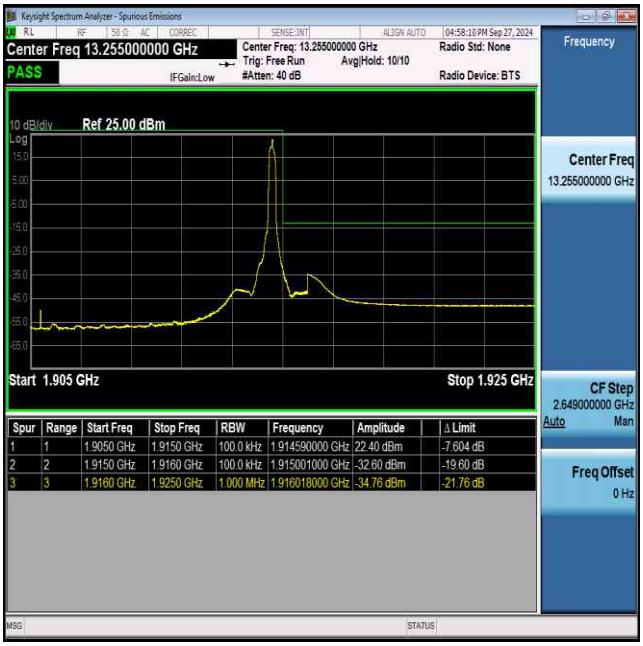


NTNV_N25_PC3_15_10_L_TID17__#1

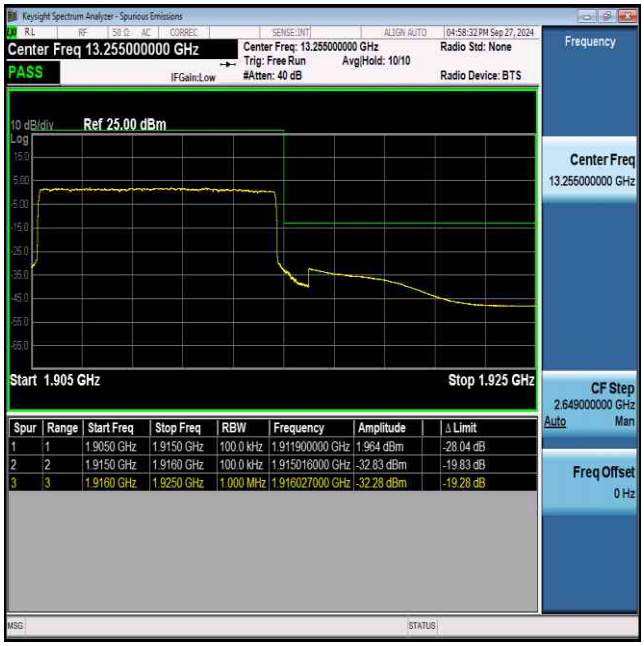
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



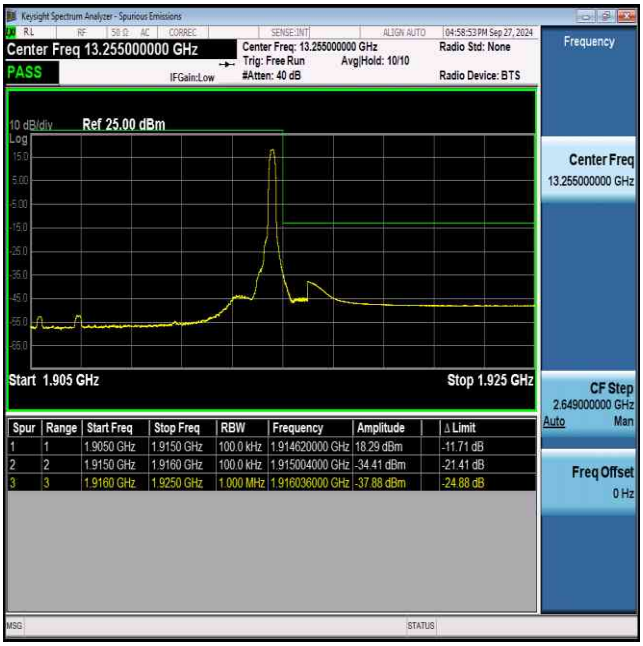
NTNV_N25_PC3_15_10_H_TID1__#1



NTNV_N25_PC3_15_10_H_TID3__#1

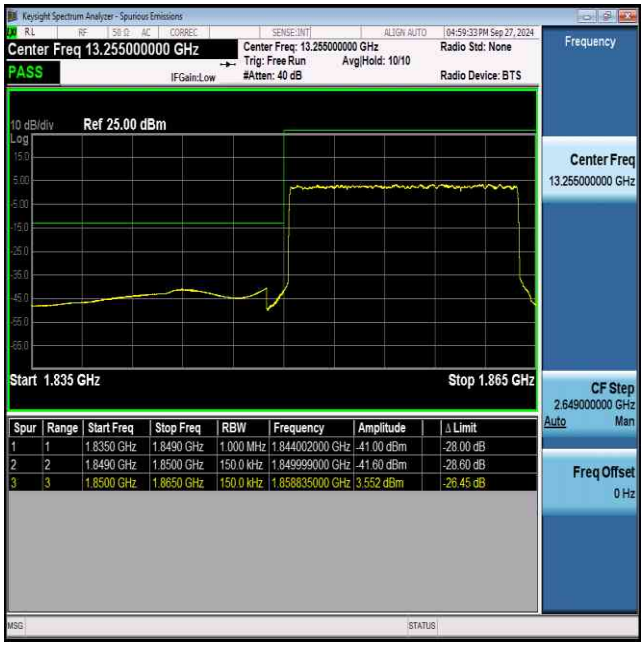


NTNV_N25_PC3_15_10_H_TID16__#1

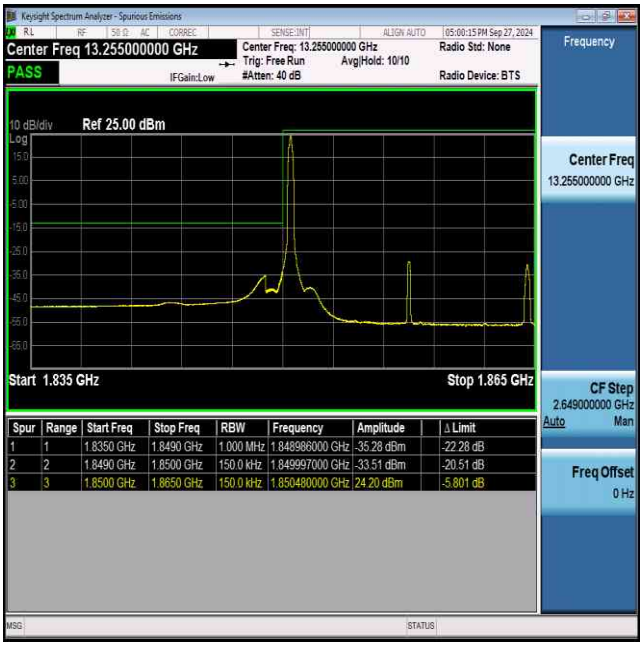


NTNV_N25_PC3_15_10_H_TID18__#1

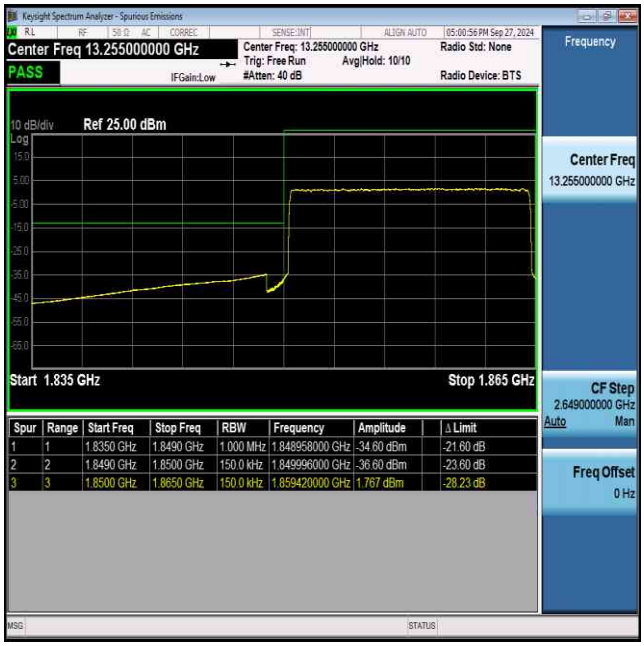
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



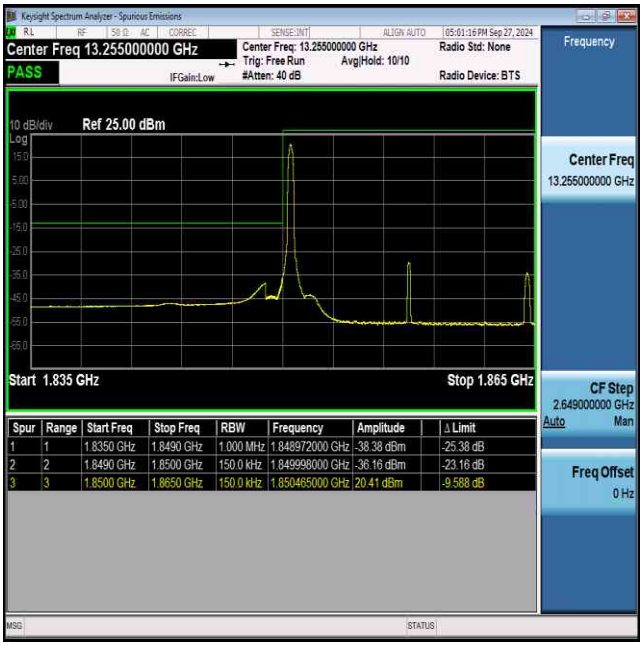
NTNV_N25_PC3_15_15_L_TID1__#1



NTNV_N25_PC3_15_15_L_TID2__#1

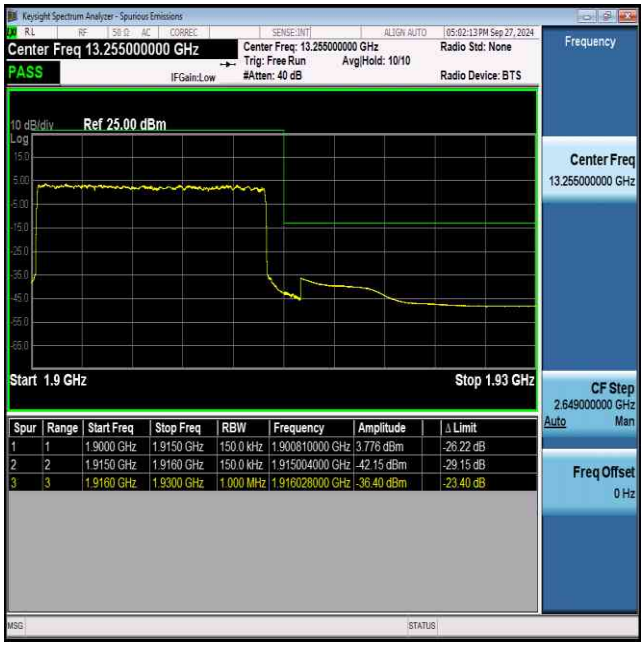


NTNV_N25_PC3_15_15_L_TID16__#1

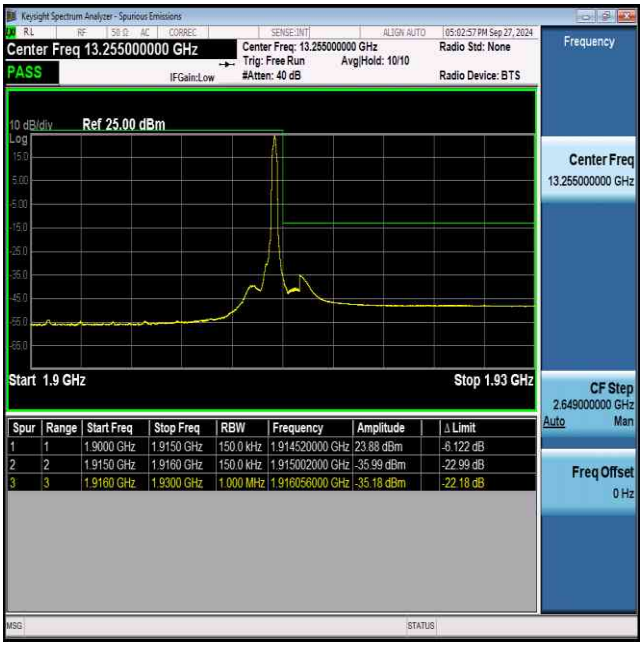


NTNV_N25_PC3_15_15_L_TID17__#1

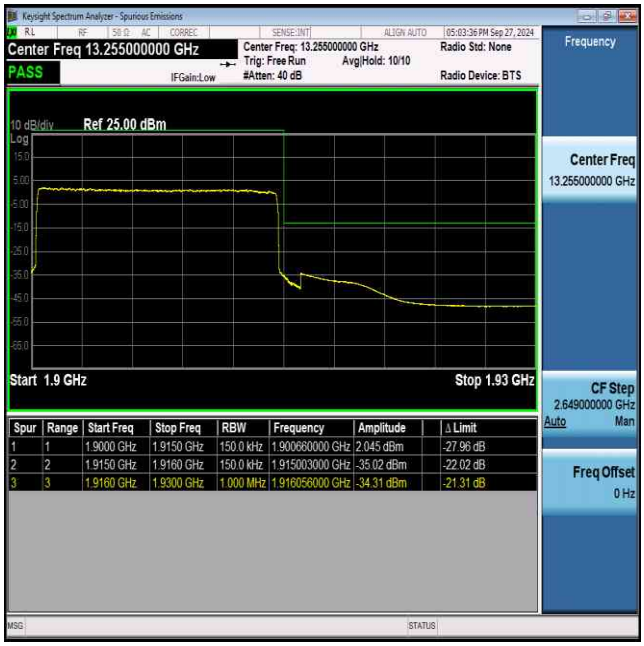
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



NTNV_N25_PC3_15_15_H_TID1__#1



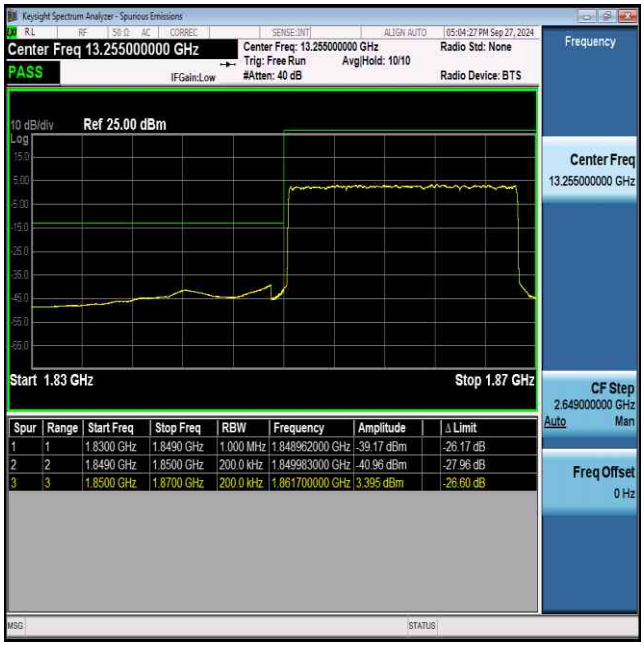
NTNV_N25_PC3_15_15_H_TID3__#1



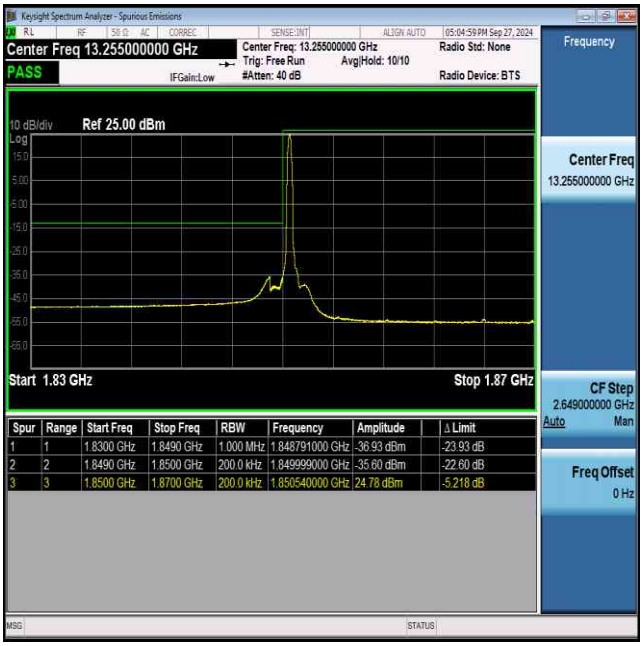
NTNV_N25_PC3_15_15_H_TID16__#1

NTNV_N25_PC3_15_15_H_TID18__#1

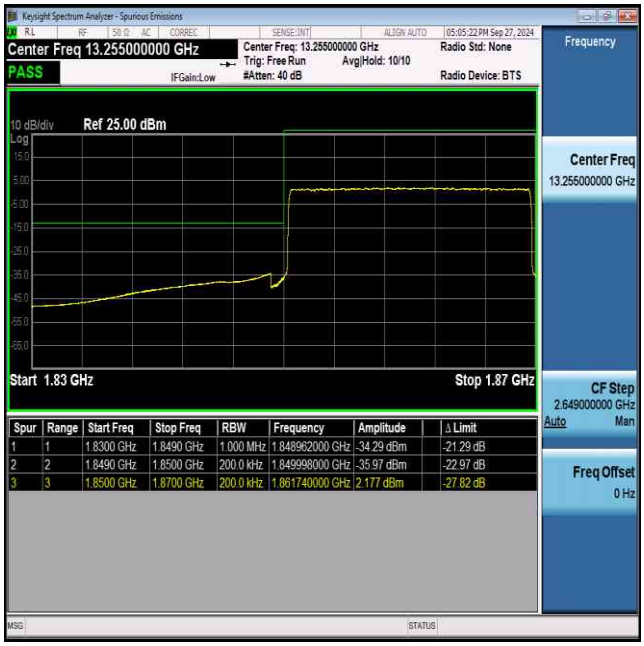
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



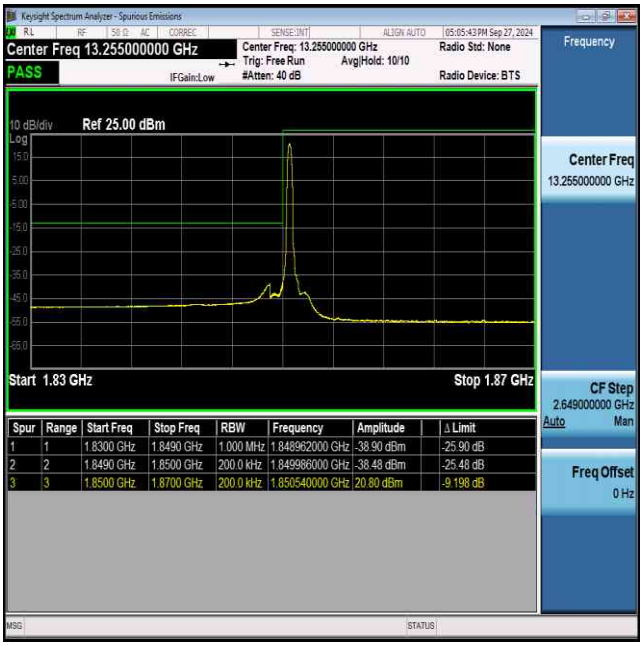
NTNV_N25_PC3_15_20_L_TID1__#1



NTNV_N25_PC3_15_20_L_TID2__#1

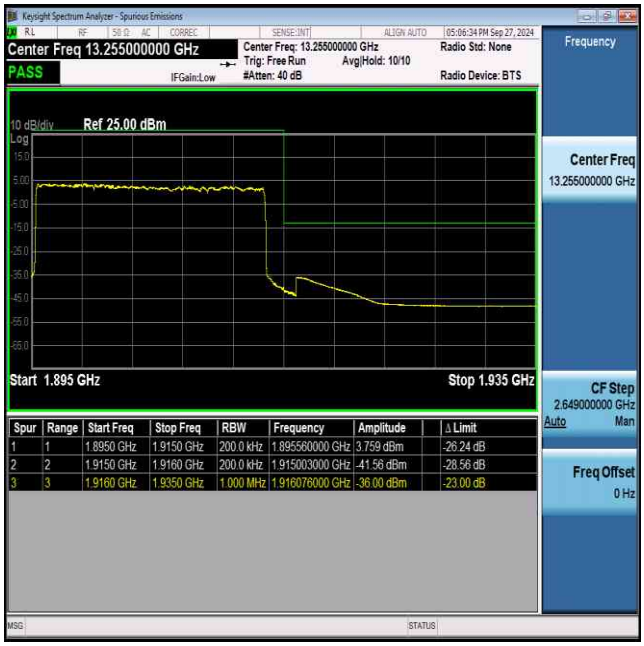


NTNV_N25_PC3_15_20_L_TID16__#1

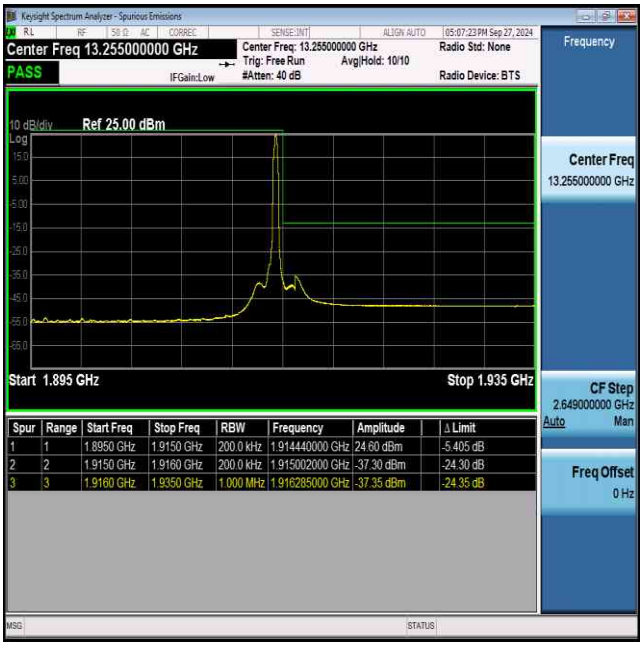


NTNV_N25_PC3_15_20_L_TID17__#1

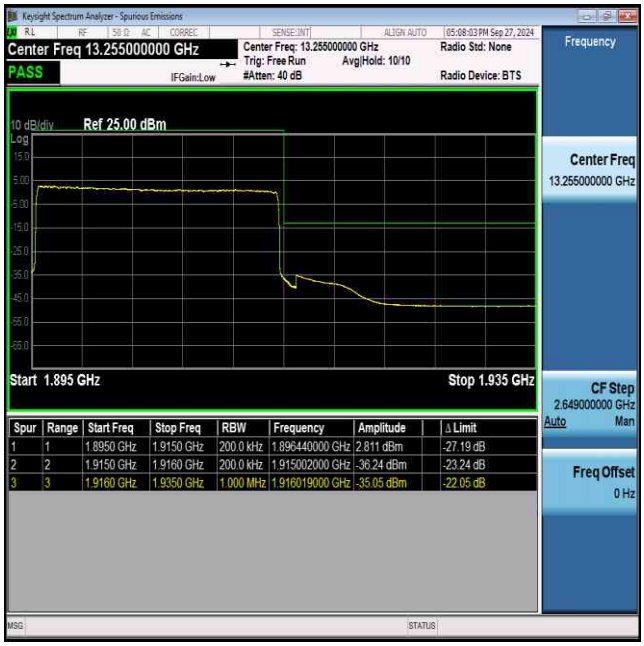
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



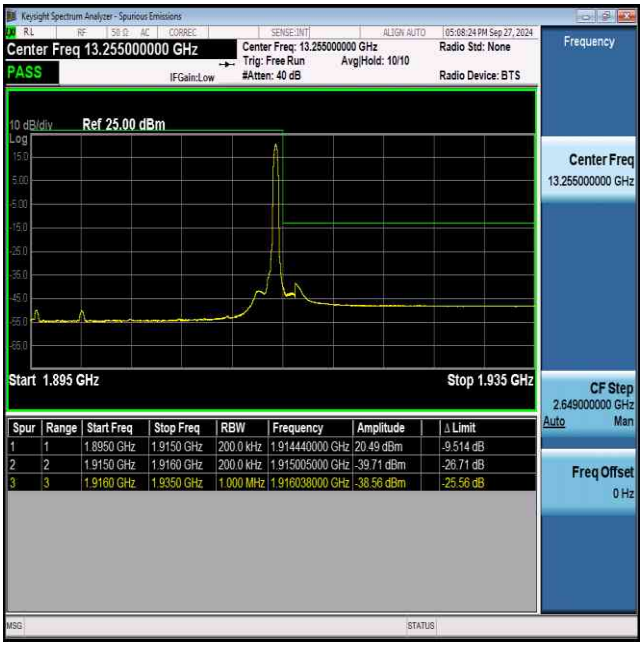
NTNV_N25_PC3_15_20_H_TID1__#1



NTNV_N25_PC3_15_20_H_TID3__#1

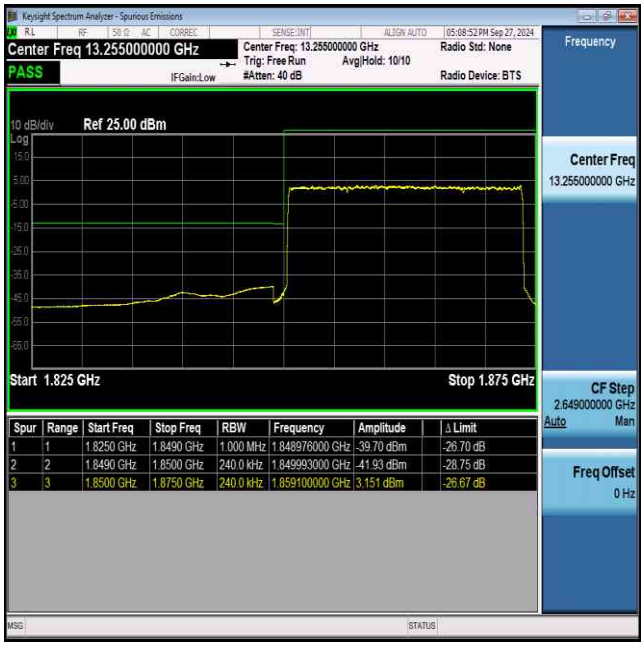


NTNV_N25_PC3_15_20_H_TID16__#1

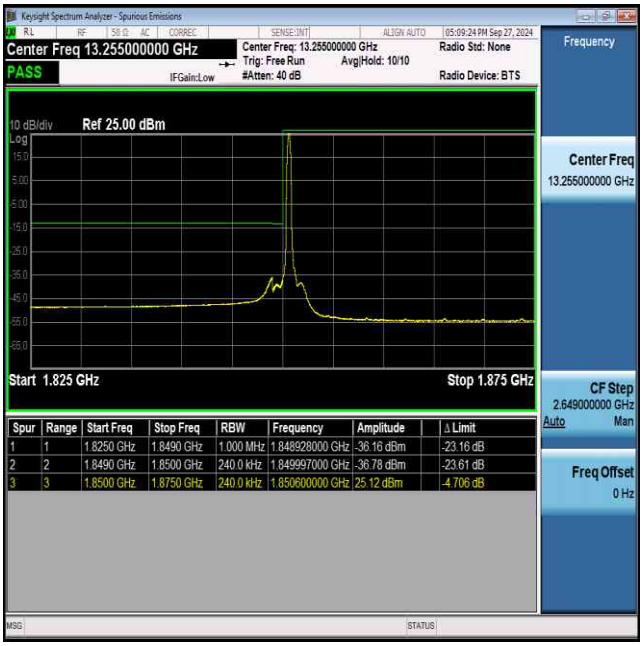


NTNV_N25_PC3_15_20_H_TID18__#1

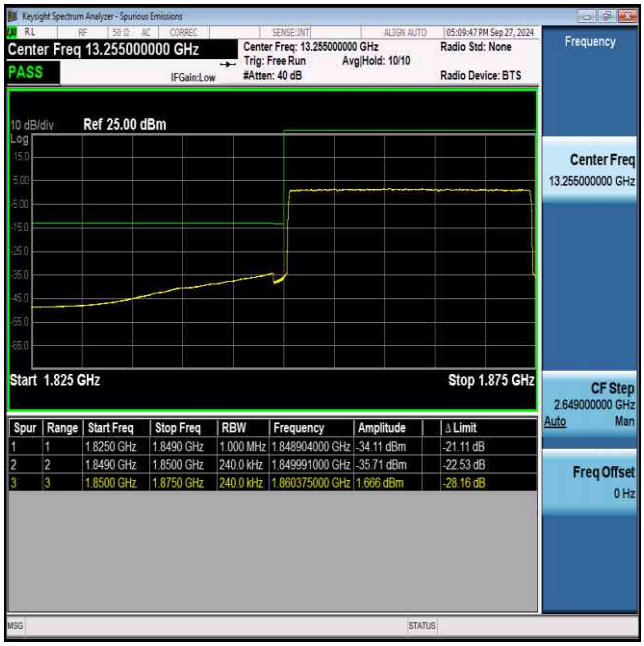
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



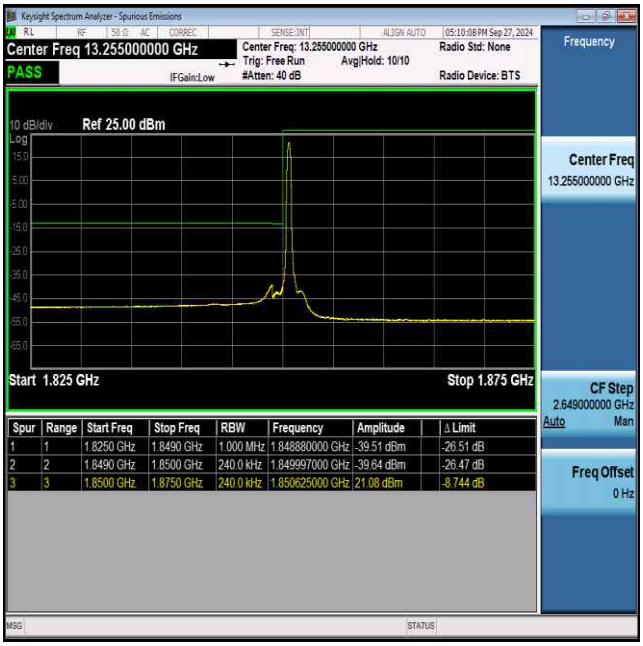
NTNV_N25_PC3_15_25_L_TID1__#1



NTNV_N25_PC3_15_25_L_TID2__#1

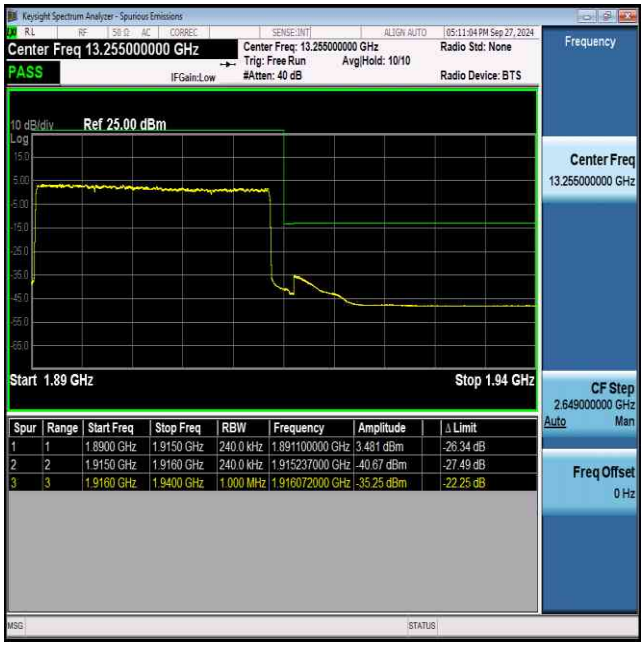


NTNV_N25_PC3_15_25_L_TID16__#1

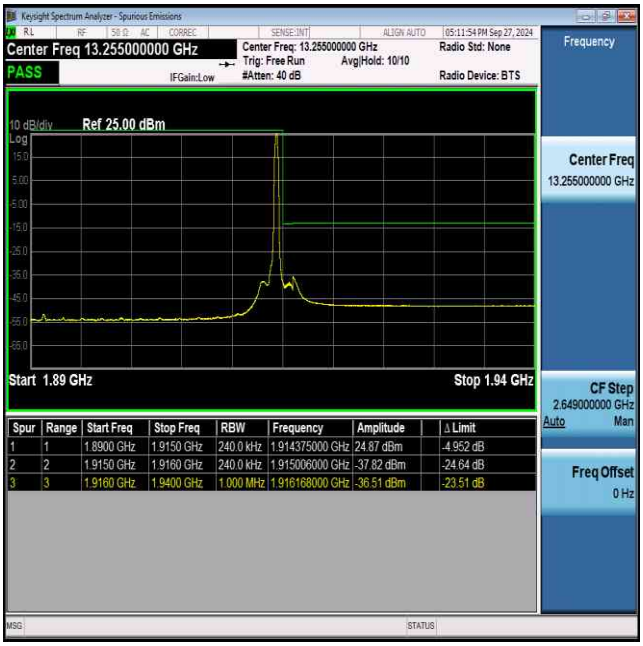


NTNV_N25_PC3_15_25_L_TID17__#1

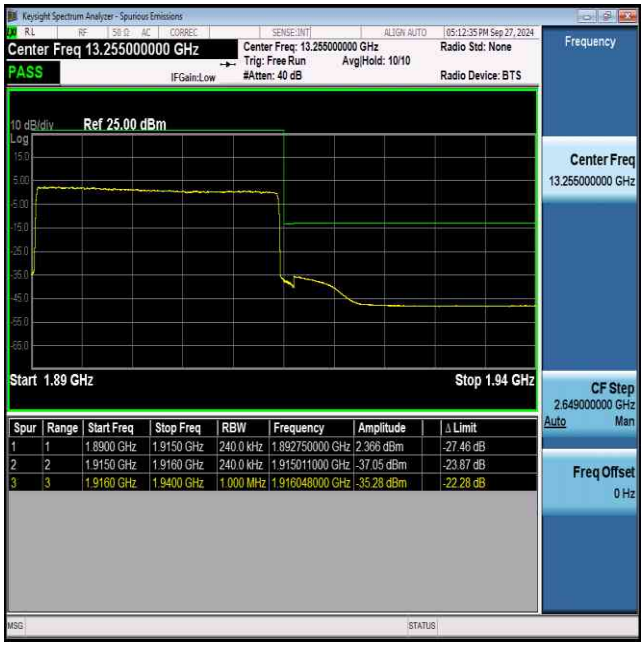
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



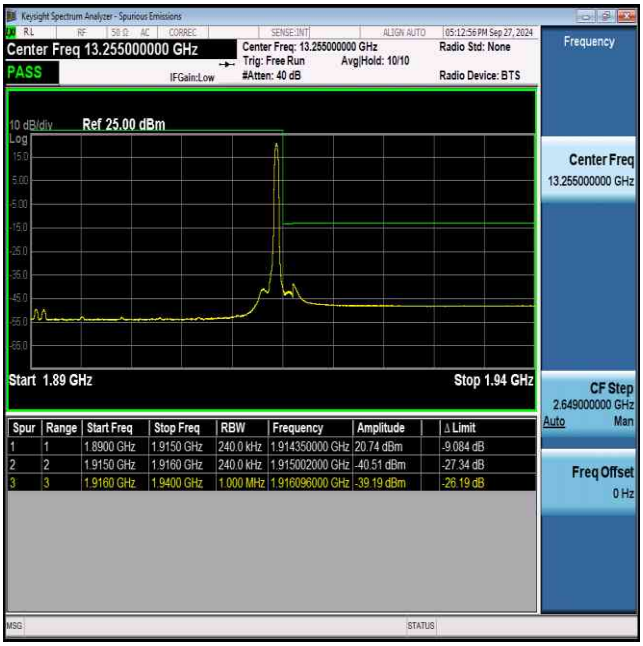
NTNV_N25_PC3_15_25_H_TID1__#1



NTNV_N25_PC3_15_25_H_TID3__#1

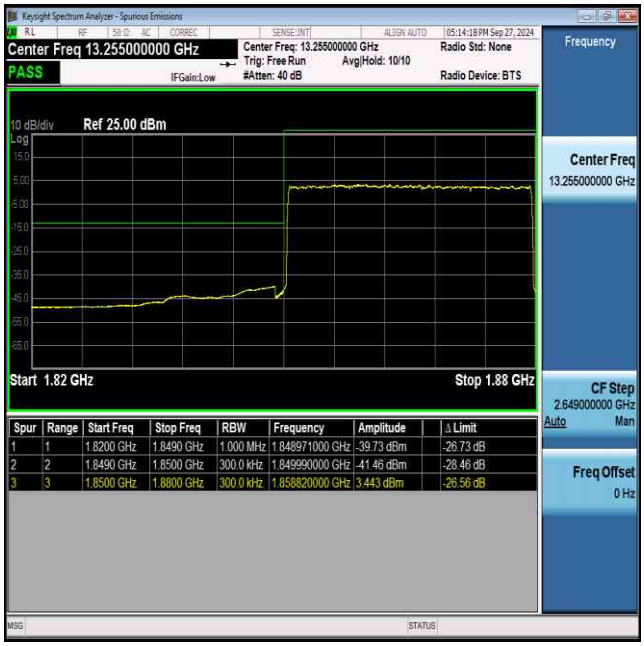


NTNV_N25_PC3_15_25_H_TID16__#1

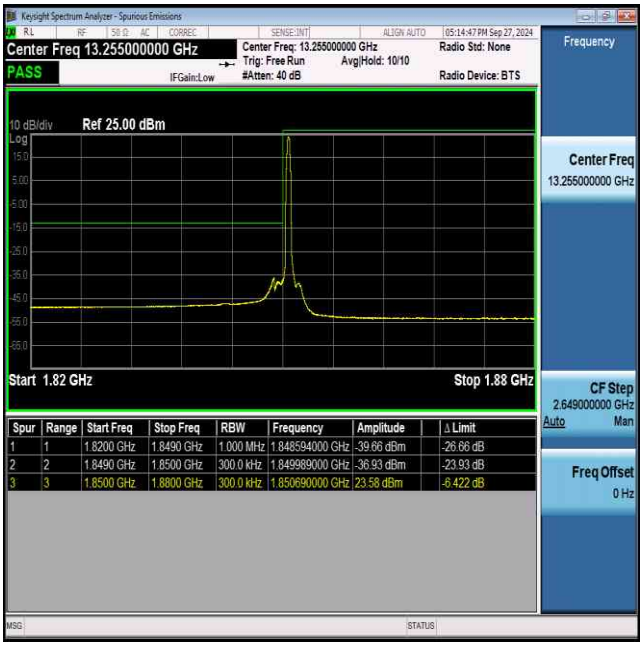


NTNV_N25_PC3_15_25_H_TID18__#1

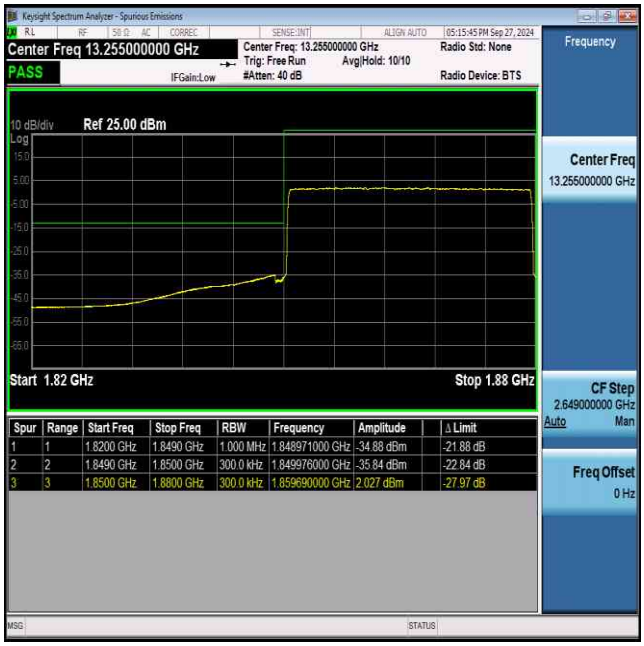
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



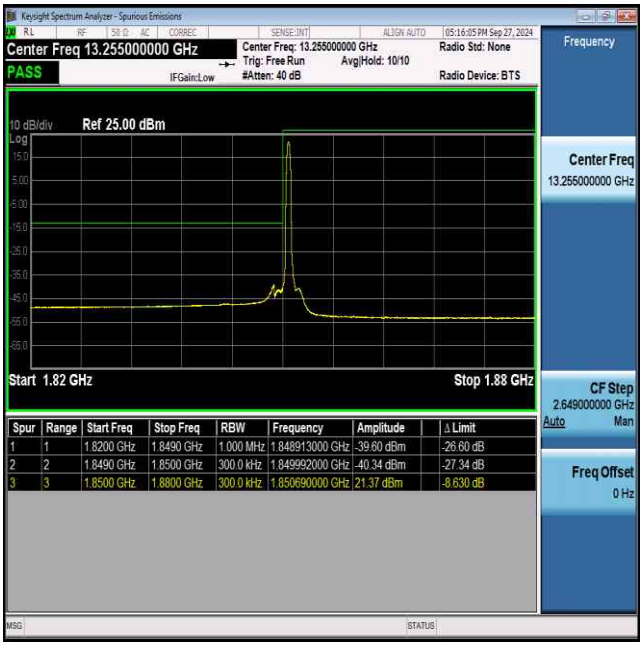
NTNV_N25_PC3_15_30_L_TID1__#1



NTNV_N25_PC3_15_30_L_TID2__#1

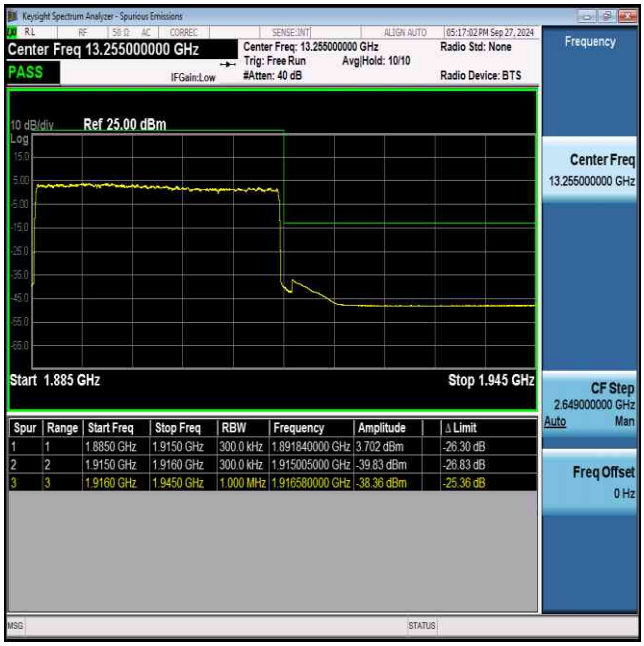


NTNV_N25_PC3_15_30_L_TID16__#1

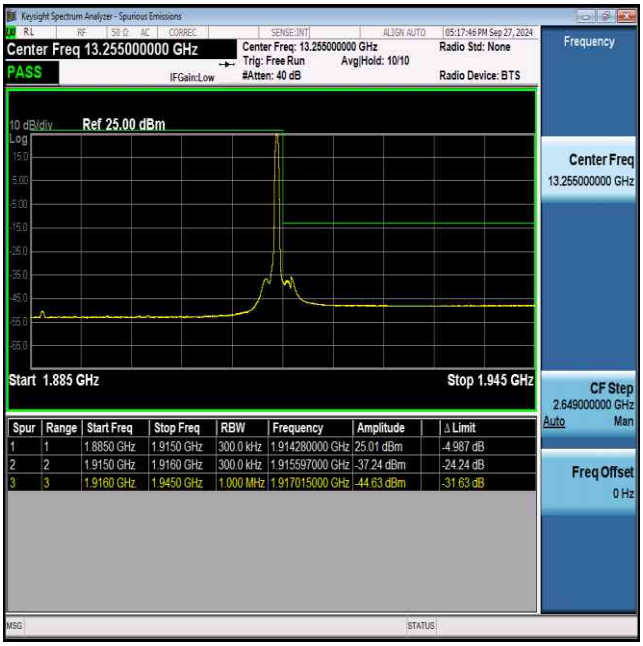


NTNV_N25_PC3_15_30_L_TID17__#1

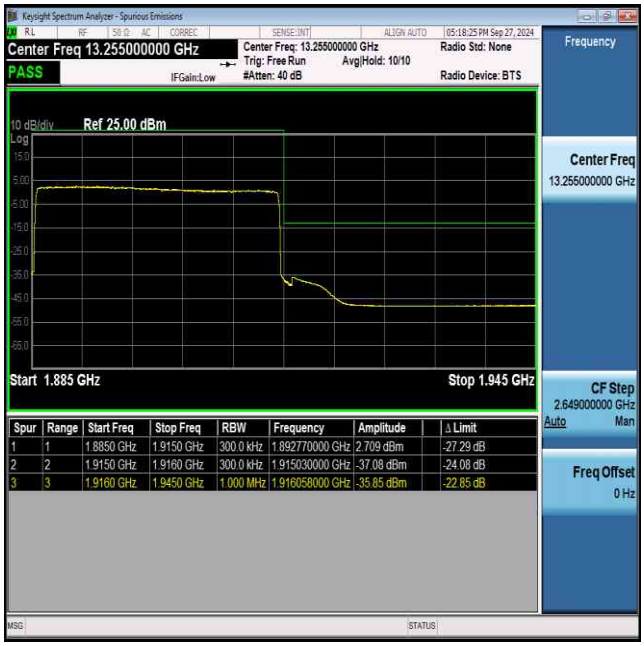
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



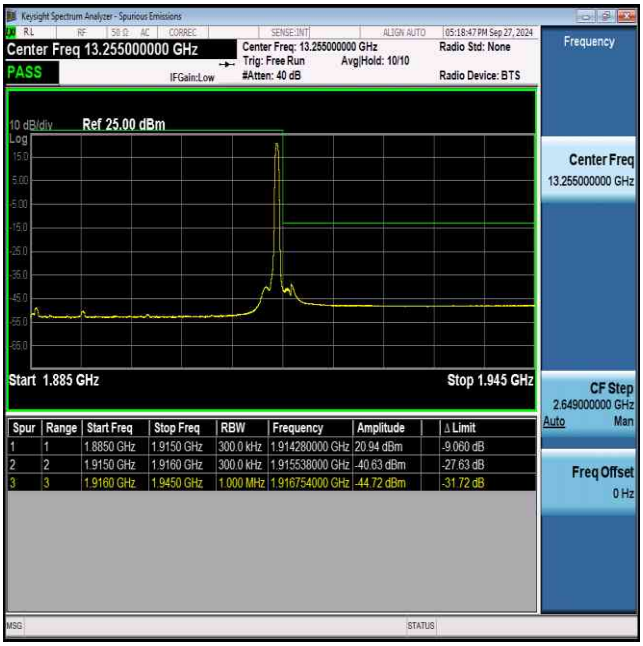
NTNV_N25_PC3_15_30_H_TID1__#1



NTNV_N25_PC3_15_30_H_TID3__#1

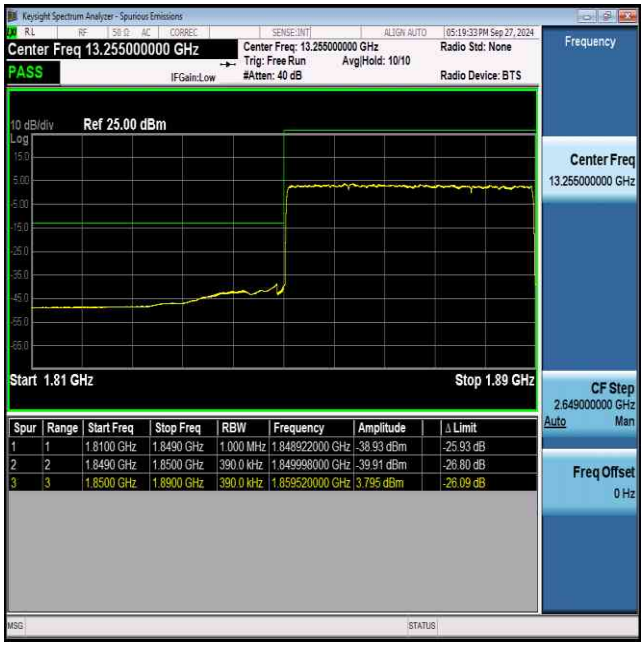


NTNV_N25_PC3_15_30_H_TID16__#1

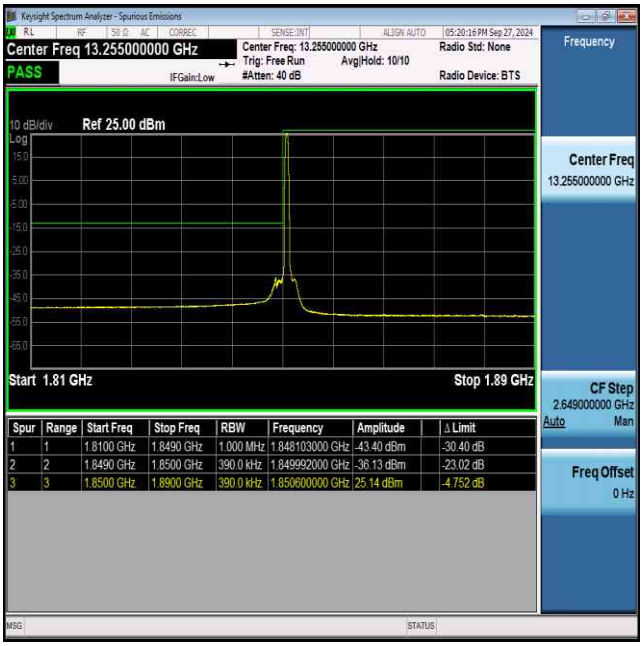


NTNV_N25_PC3_15_30_H_TID18__#1

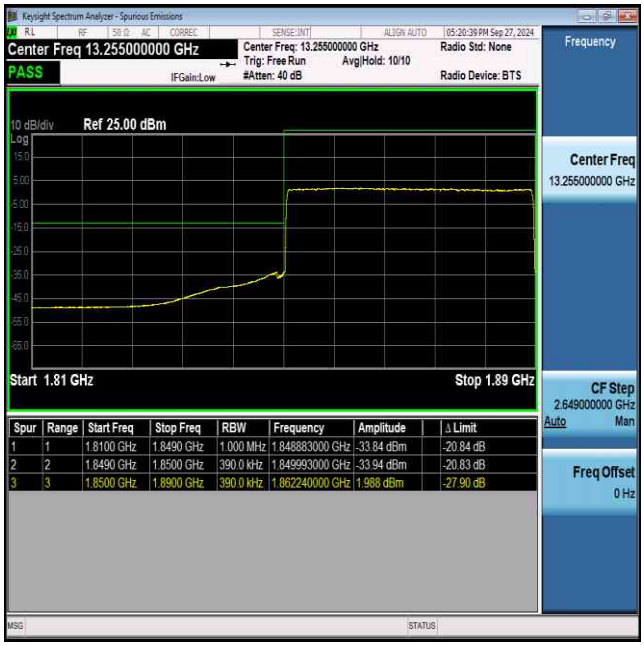
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



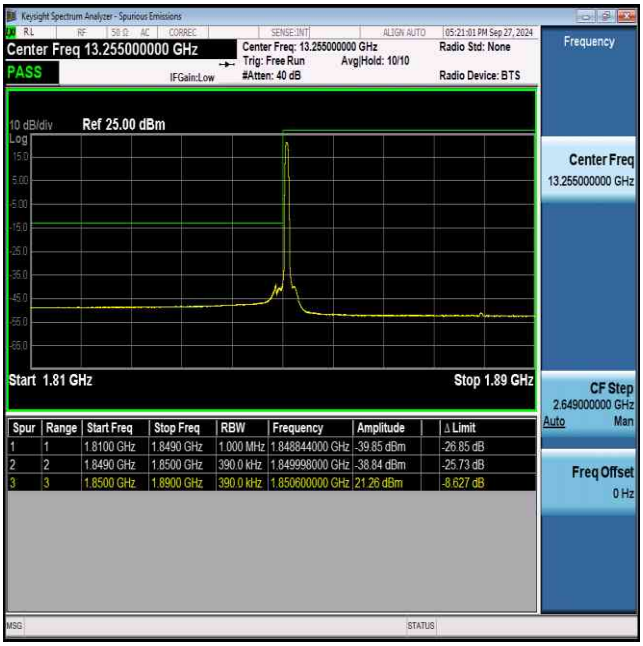
NTNV_N25_PC3_15_40_L_TID1__#1



NTNV_N25_PC3_15_40_L_TID2__#1

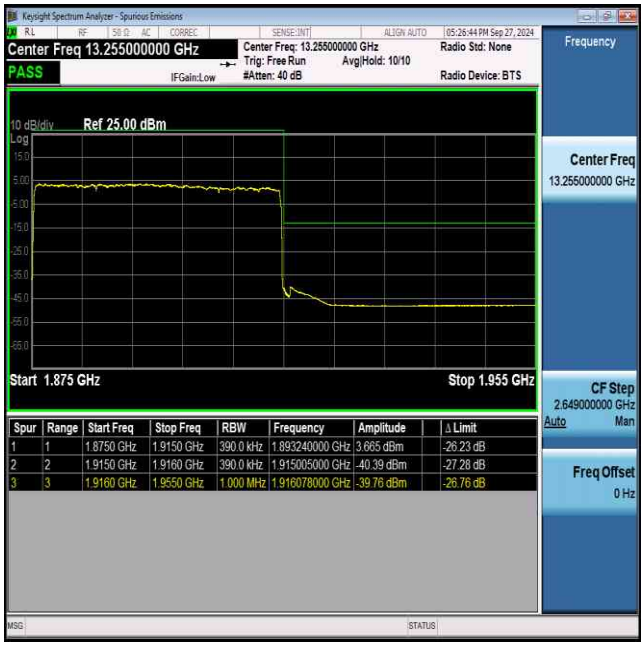


NTNV_N25_PC3_15_40_L_TID16__#1

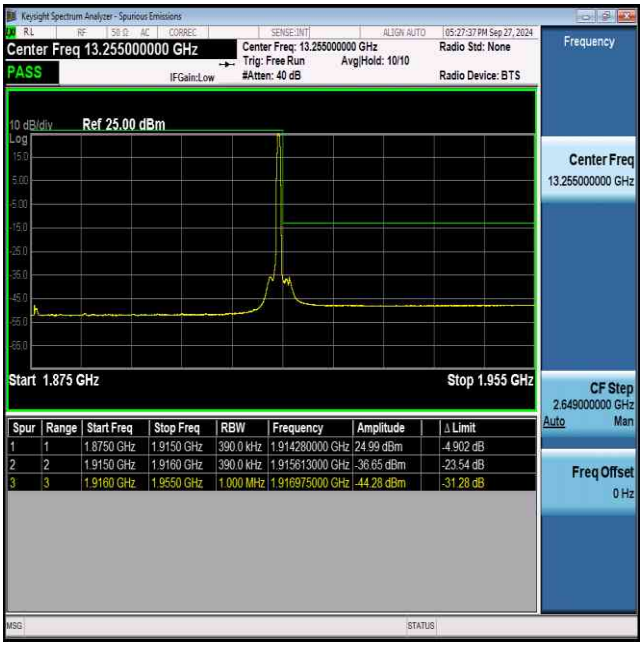


NTNV_N25_PC3_15_40_L_TID17__#1

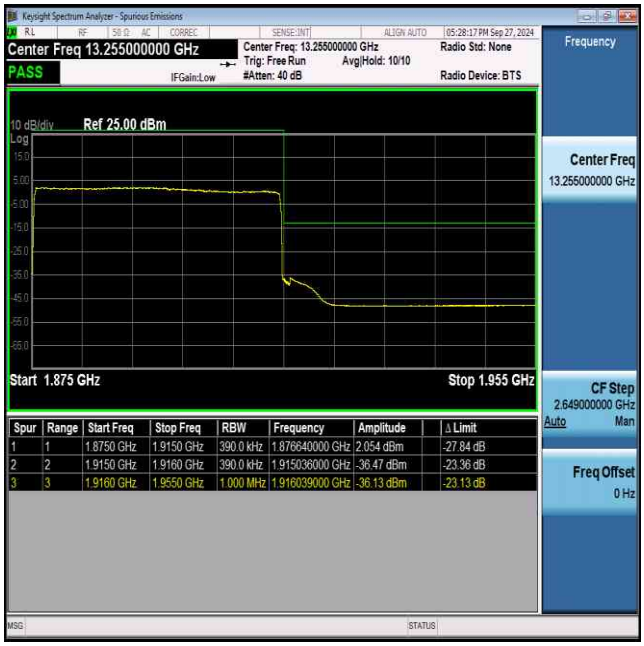
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



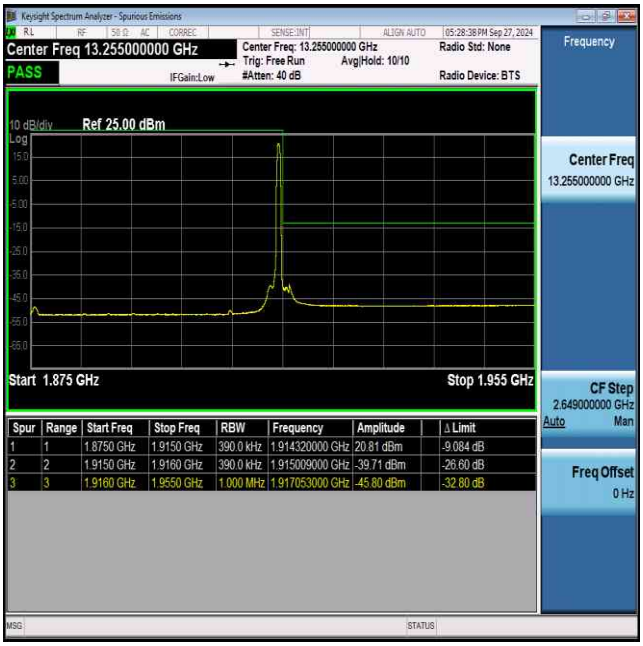
NTNV_N25_PC3_15_40_H_TID1__#1



NTNV_N25_PC3_15_40_H_TID3__#1

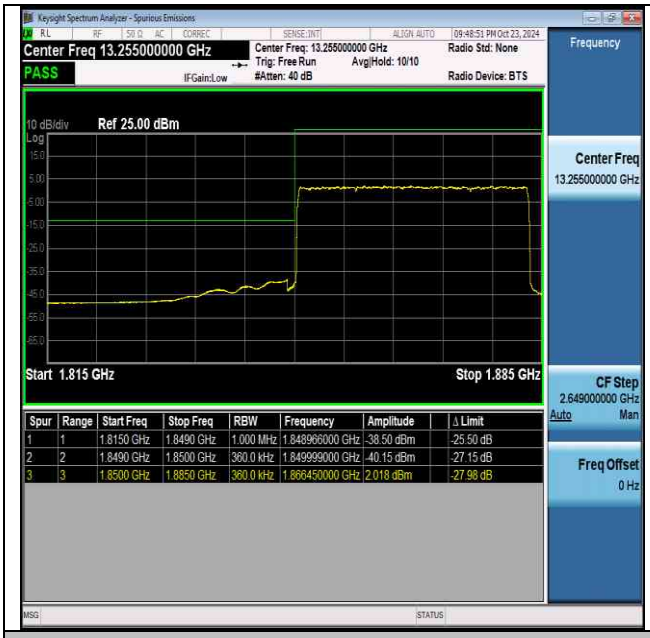


NTNV_N25_PC3_15_40_H_TID16__#1

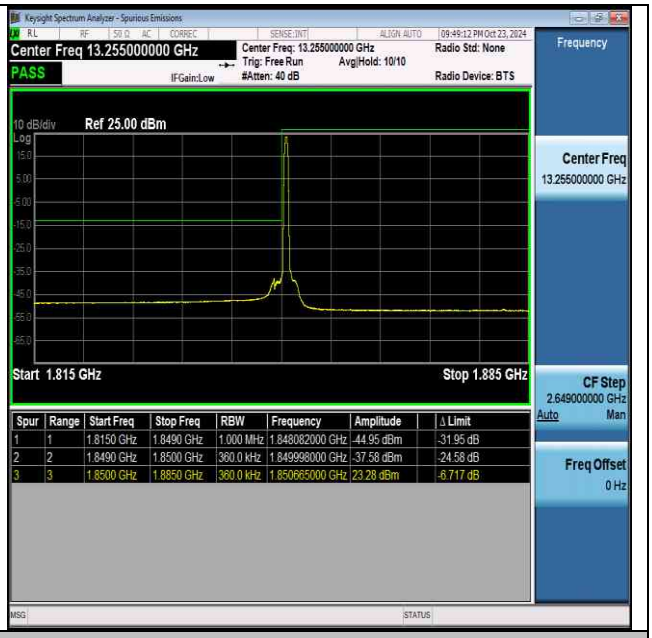


NTNV_N25_PC3_15_40_H_TID18__#1

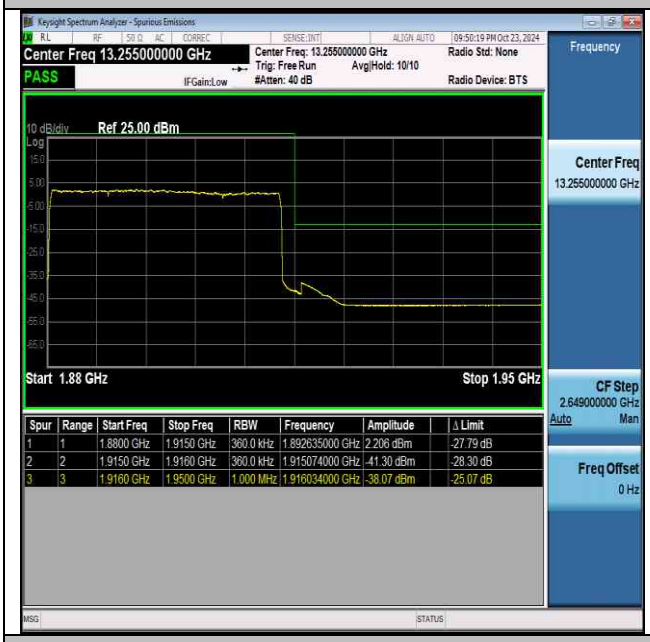
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



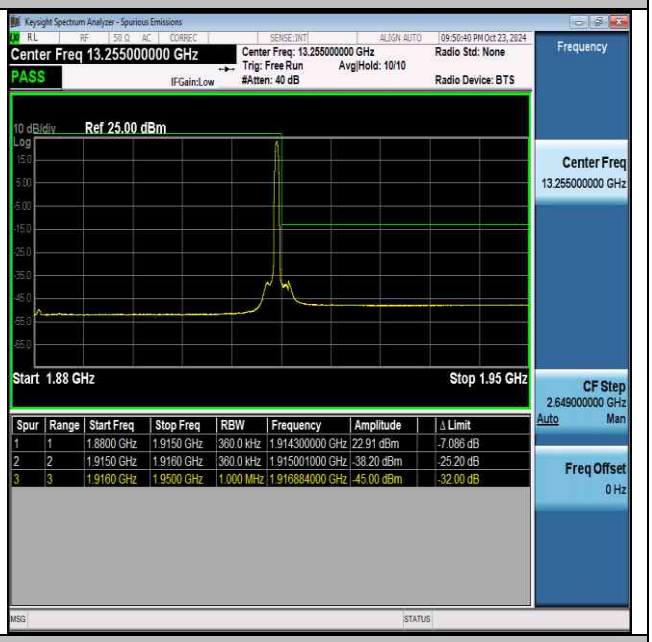
NTNV-n25-PC3-15-35-L-DFT-PI2BPSK-Outer_Full-PASS



NTNV-n25-PC3-15-35-L-DFT-PI2BPSK-Edge_1RB_Left-PASS



NTNV-n25-PC3-15-35-H-DFT-PI2BPSK-Outer_Full-PASS

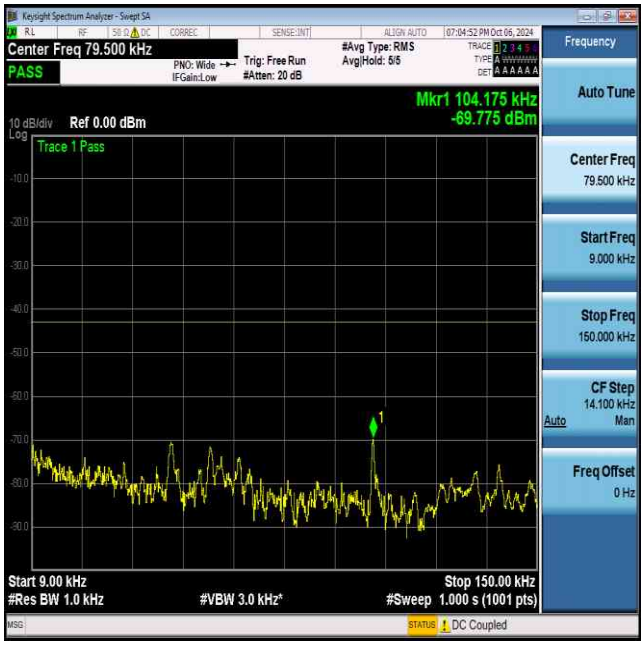


NTNV-n25-PC3-15-35-H-DFT-PI2BPSK-Edge_1RB_Right-PASS

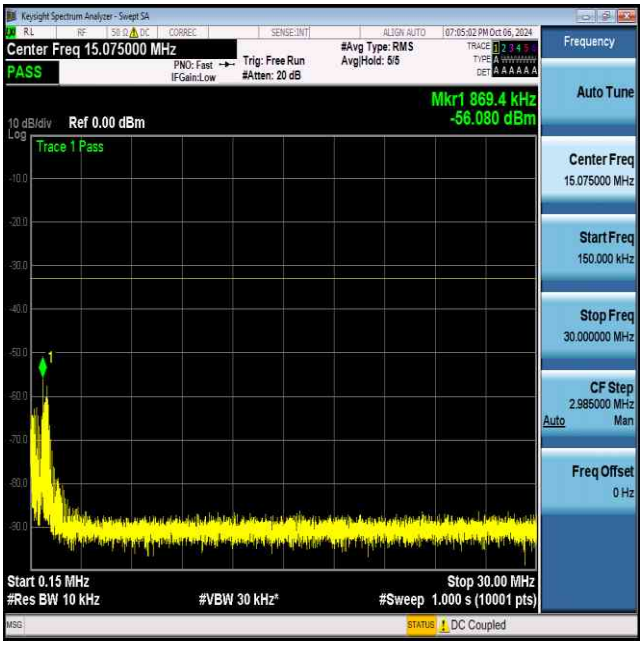
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

Conducted Spurious Emission for SA

Test Graphs

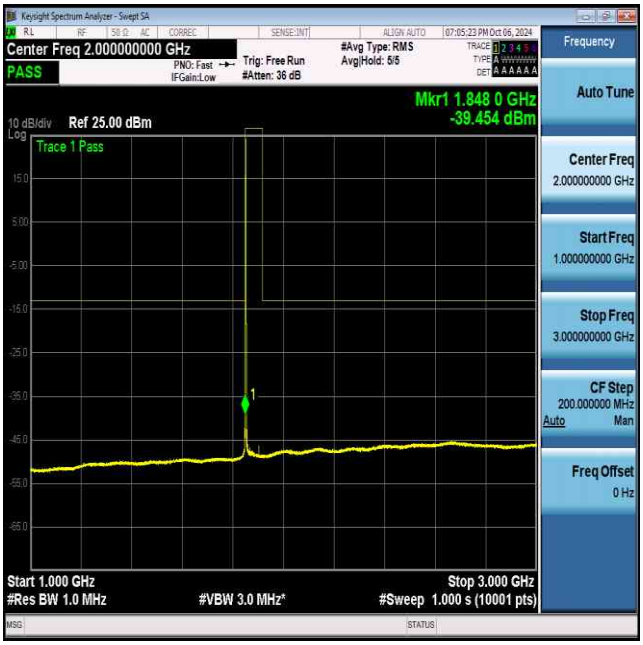


NTNV_N25_PC3_15_40_L_TID2_NS_01_0.009_0.15_#1



NTNV_N25_PC3_15_40_L_TID2_NS_01_0.15_30_#1

NTNV_N25_PC3_15_40_L_TID2_NS_01_30_1000_#1

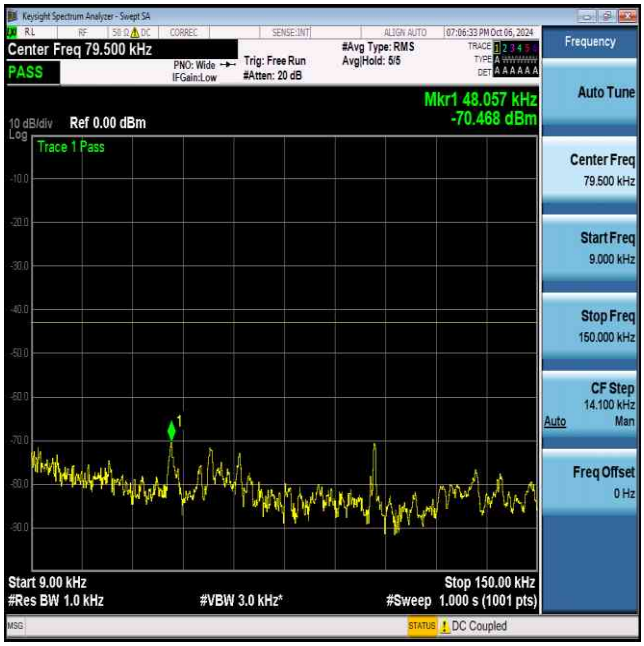


NTNV_N25_PC3_15_40_L_TID2_NS_01_1000_3000_#1

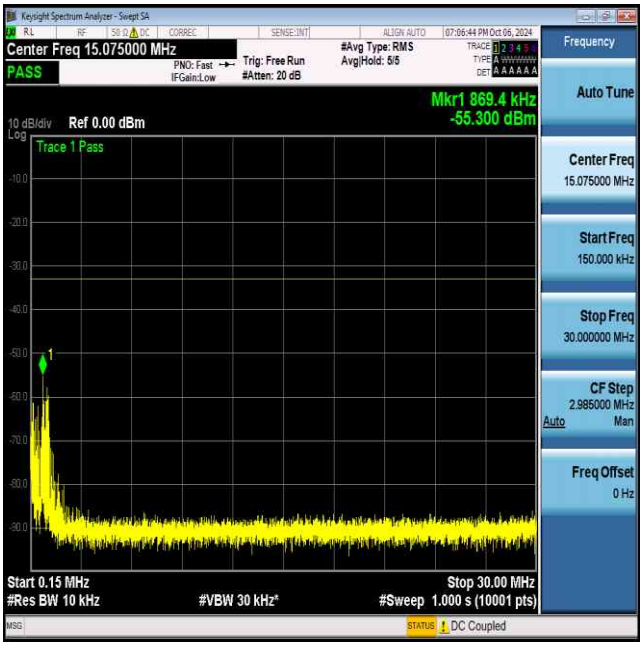
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

NTNV_N25_PC3_15_40_L_TID2_NS_01_3000_12000_#1

NTNV_N25_PC3_15_40_L_TID2_NS_01_12000_20000_#1

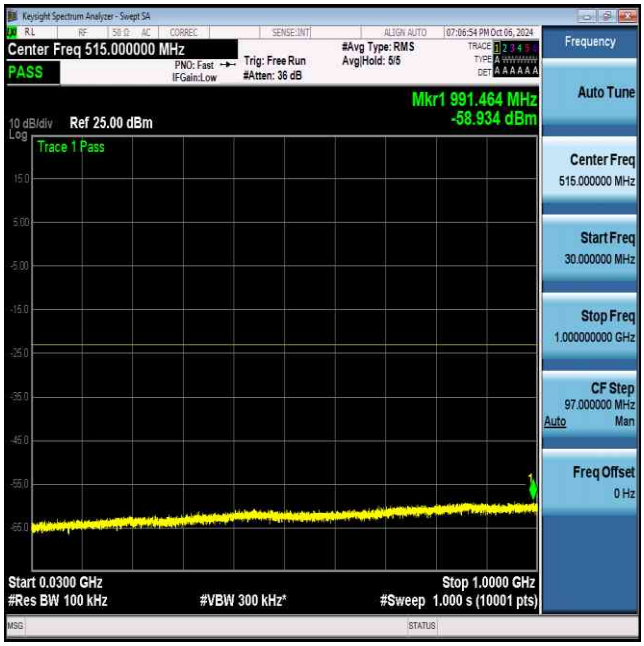


NTNV_N25_PC3_15_40_M_TID2_NS_01_0.009_0.15_#1

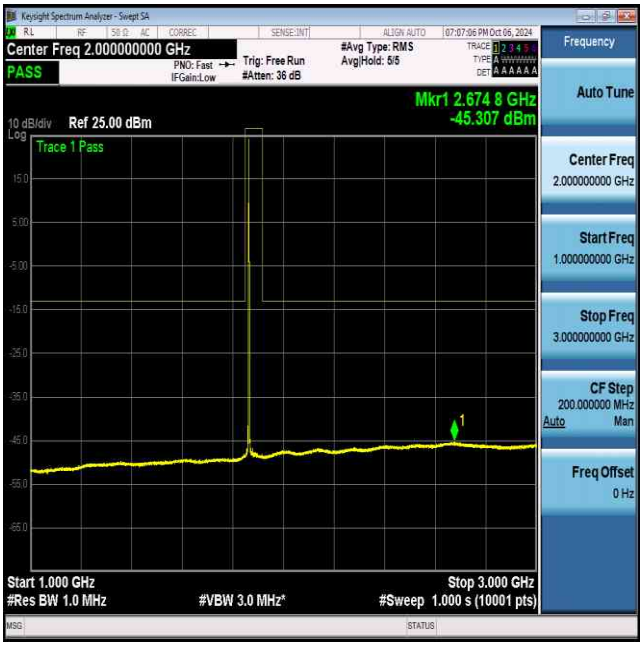


NTNV_N25_PC3_15_40_M_TID2_NS_01_0.15_30_#1

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_N25_PC3_15_40_M_TID2_NS_01_30_1000_#1

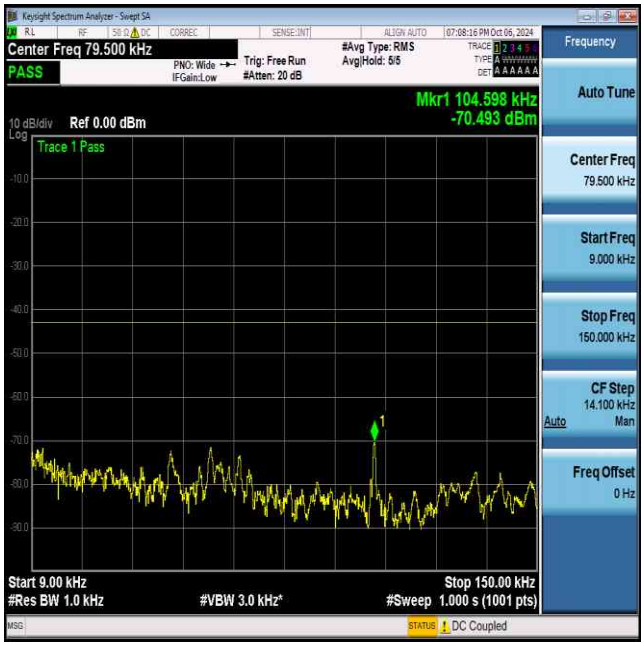


NTNV_N25_PC3_15_40_M_TID2_NS_01_1000_3000_#1

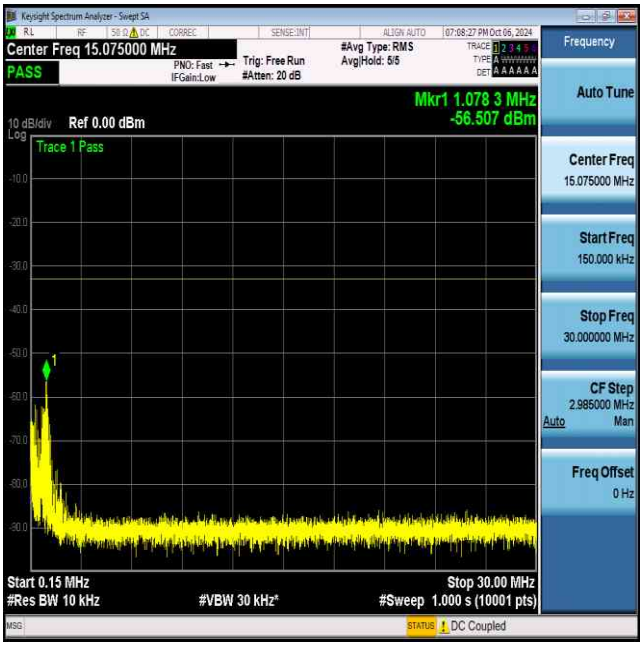
NTNV_N25_PC3_15_40_M_TID2_NS_01_3000_12000_#1

NTNV_N25_PC3_15_40_M_TID2_NS_01_12000_20000_#1

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.

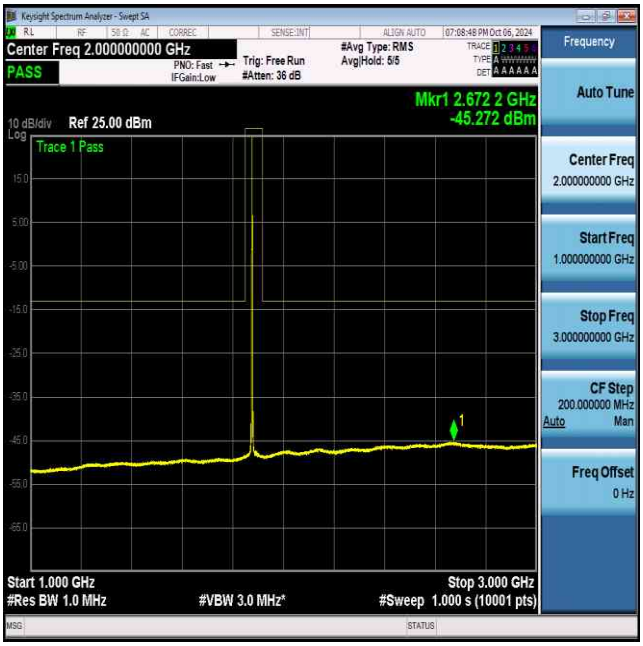


NTNV_N25_PC3_15_40_H_TID2_NS_01_0.009_0.15_#1



NTNV_N25_PC3_15_40_H_TID2_NS_01_0.15_30_#1

NTNV_N25_PC3_15_40_H_TID2_NS_01_30_1000_#1



NTNV_N25_PC3_15_40_H_TID2_NS_01_1000_3000_#1

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_N25_PC3_15_40_H_TID2_NS_01_3000_12000_#1

NTNV_N25_PC3_15_40_H_TID2_NS_01_12000_20000_#1

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 for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VL	NT	18.00	0.01	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VN	NT	12.00	0.01	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	VH	NT	6.00	0.00	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VL	NT	3.00	0.00	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VN	NT	16.00	0.01	PASS
N25	15	40	CP-QPSK	M	Outer_Full	VH	NT	19.00	0.01	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-30	15.000000	0.007968	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-20	18.000000	0.009562	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	-10	15.000000	0.007968	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	0	2.000000	0.001062	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	10	2.000000	0.001062	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	20	12.000000	0.006375	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	30	14.000000	0.007437	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	40	8.000000	0.004250	PASS
N25	15	40	DFT-PI2BPSK	M	Outer_Full	NV	50	1.000000	0.000531	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-30	12.000000	0.006375	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-20	15.000000	0.007968	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	-10	8.000000	0.004250	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	0	2.000000	0.001062	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	10	11.000000	0.005843	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	20	2.000000	0.001062	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	30	14.000000	0.007437	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	40	17.000000	0.009031	PASS
N25	15	40	CP-QPSK	M	Outer_Full	NV	50	11.000000	0.005843	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.