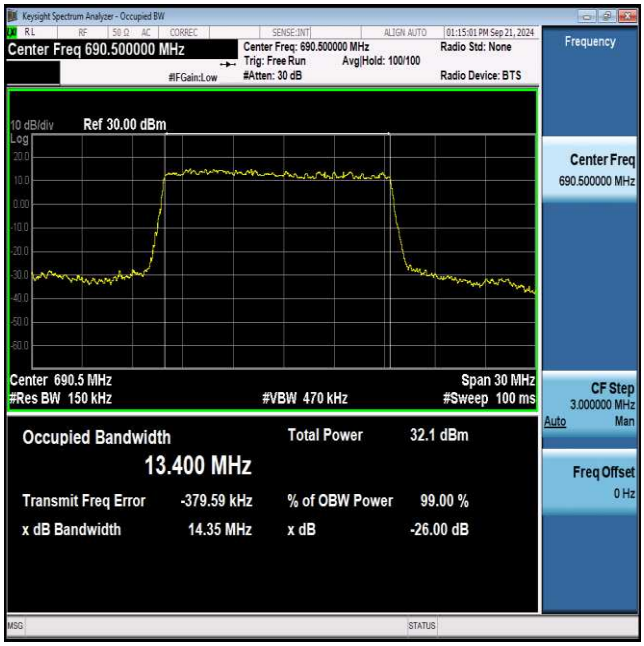
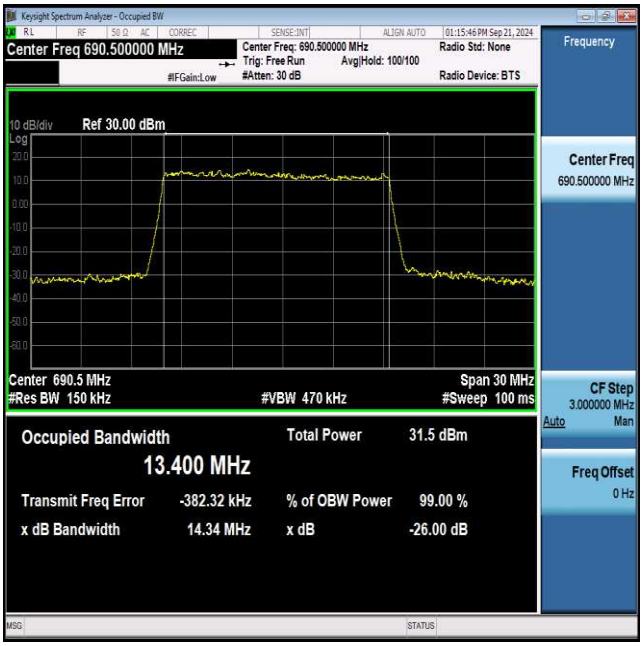
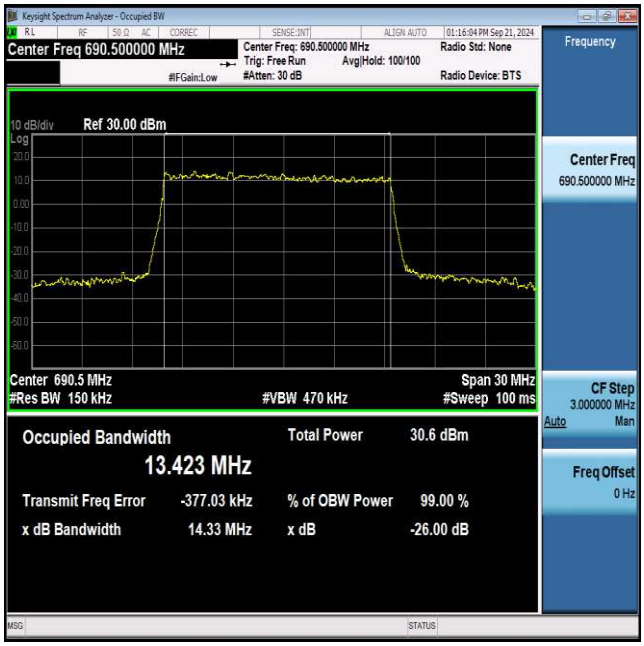


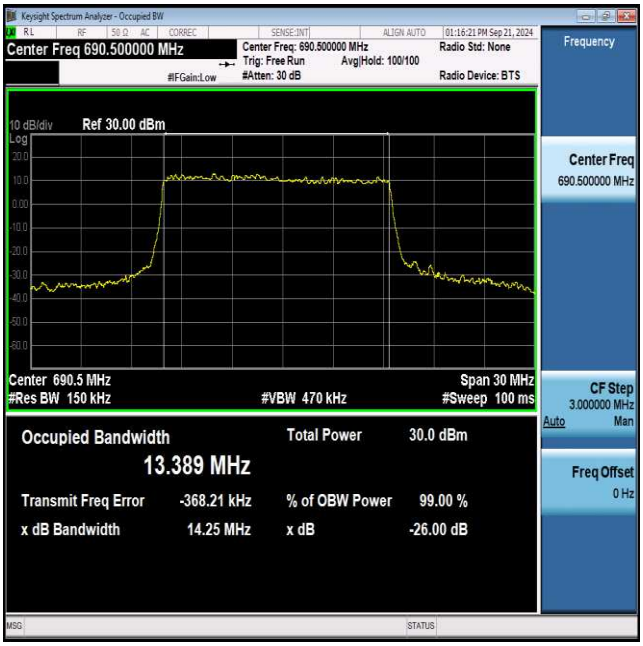
NTNV_N71_PC3_15_15_H_TID1_Ant1#1



NTNV_N71_PC3_15_15_H_TID2_Ant1#1

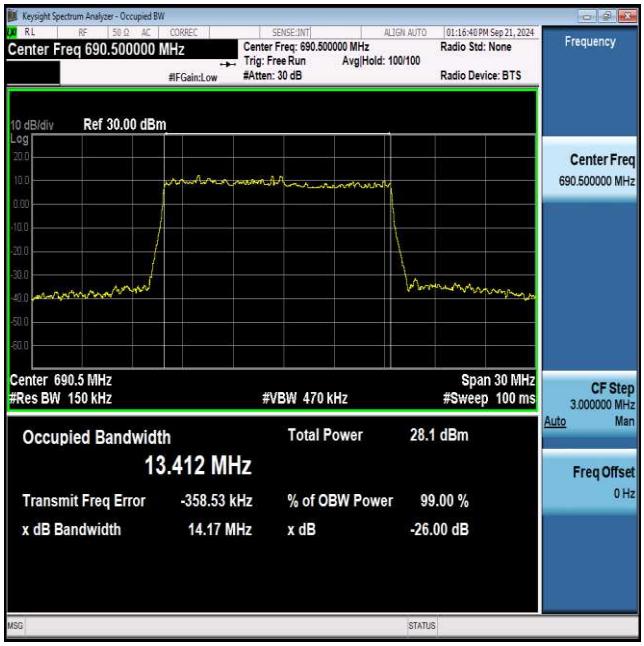


NTNV_N71_PC3_15_15_H_TID3_Ant1#1

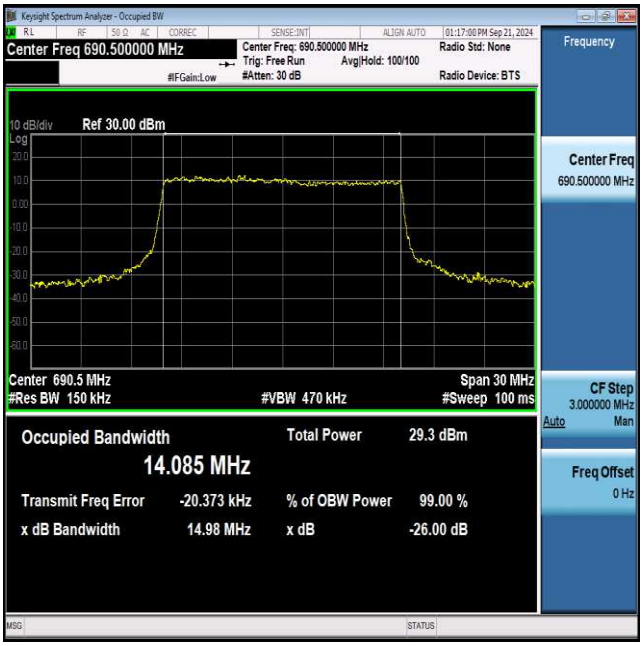


NTNV_N71_PC3_15_15_H_TID4_Ant1#1

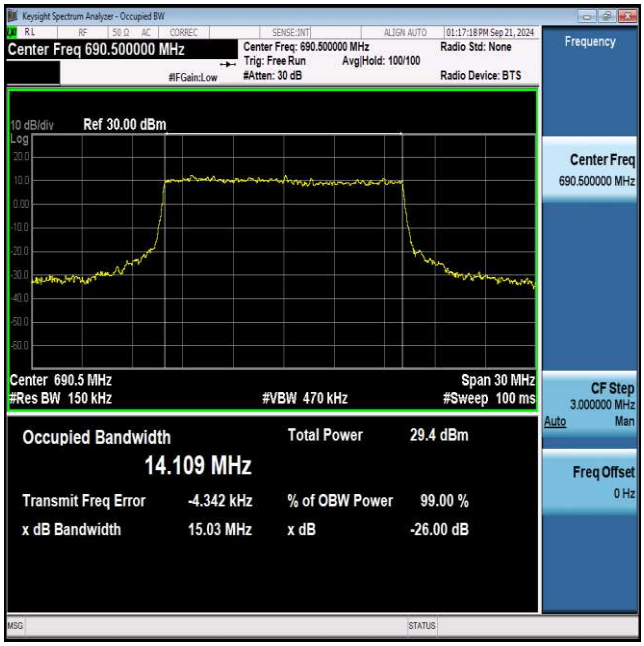
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



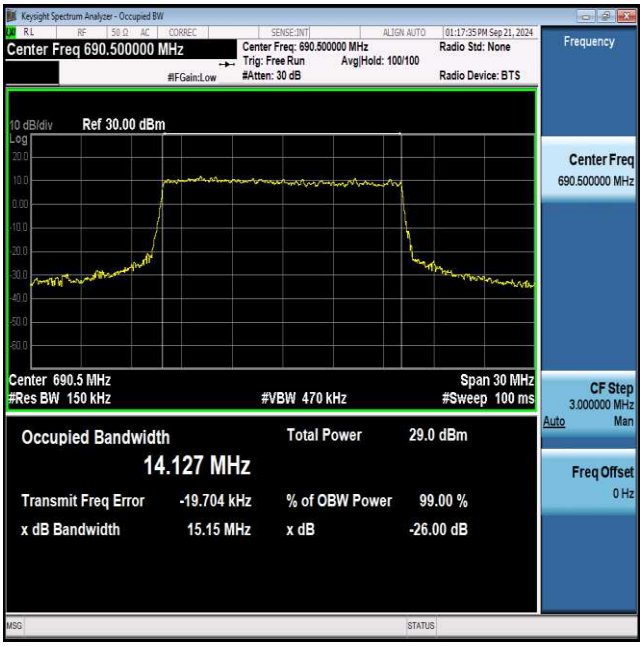
NTNV_N71_PC3_15_15_H_TID5_Ant1#1



NTNV_N71_PC3_15_15_H_TID6_Ant1#1

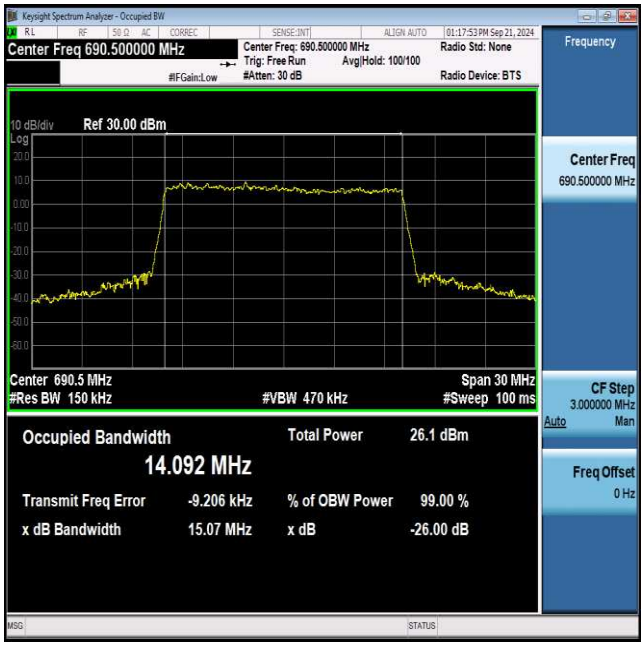


NTNV_N71_PC3_15_15_H_TID7_Ant1#1



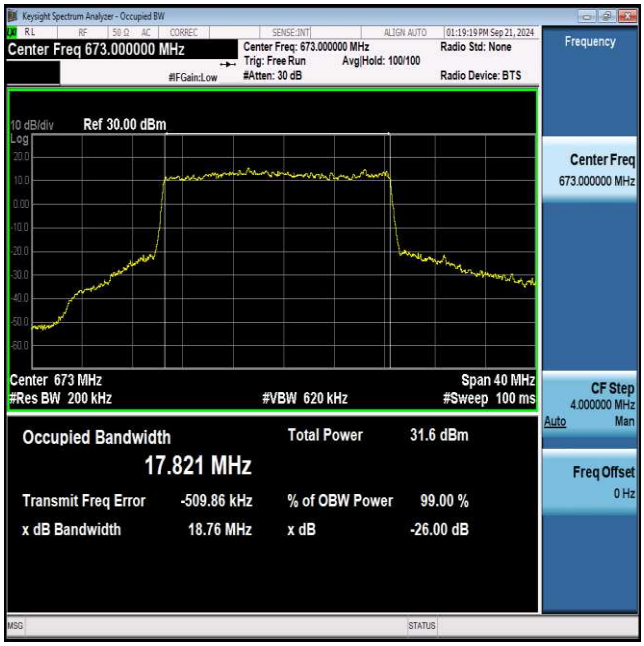
NTNV_N71_PC3_15_15_H_TID8_Ant1#1

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_N71_PC3_15_15_H_TID9_Ant1#1

NTNV_N71_PC3_15_20_L_TID1_Ant1#1

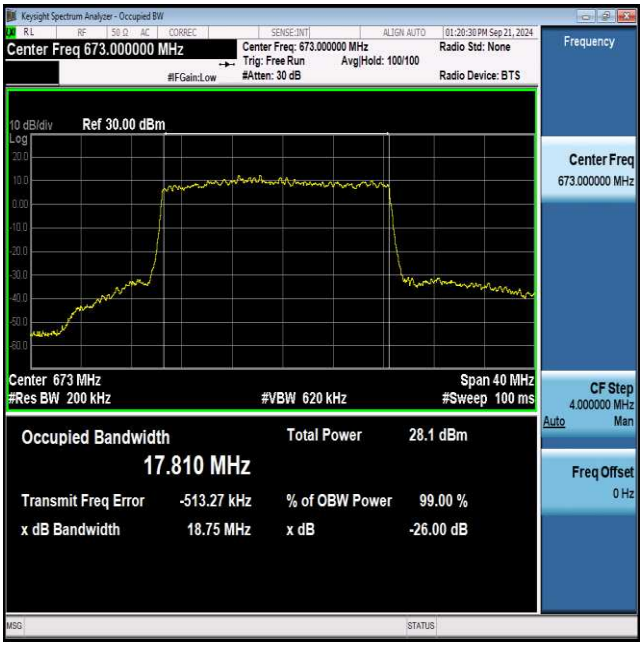


NTNV_N71_PC3_15_20_L_TID2_Ant1#1

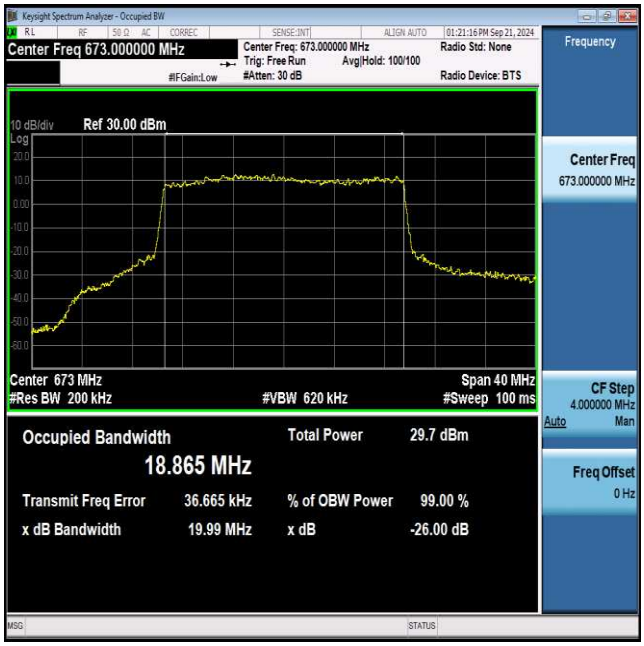
NTNV_N71_PC3_15_20_L_TID3_Ant1#1

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.

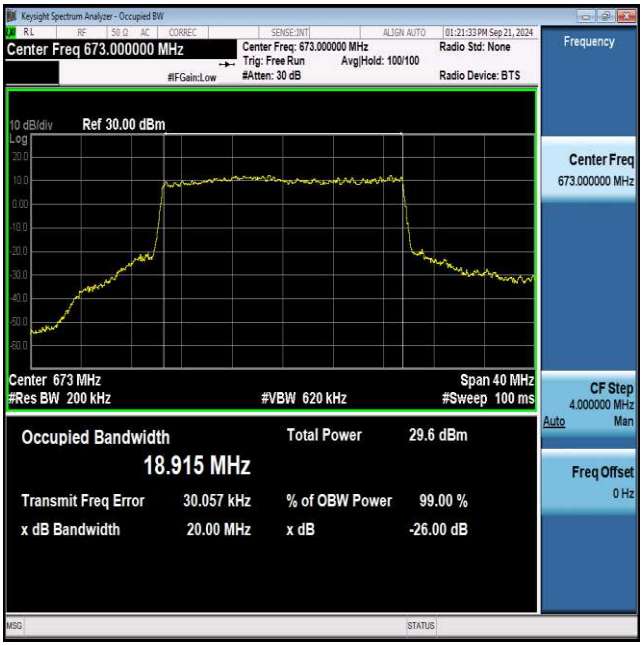
NTNV_N71_PC3_15_20_L_TID4_Ant1#1



NTNV_N71_PC3_15_20_L_TID5_Ant1#1

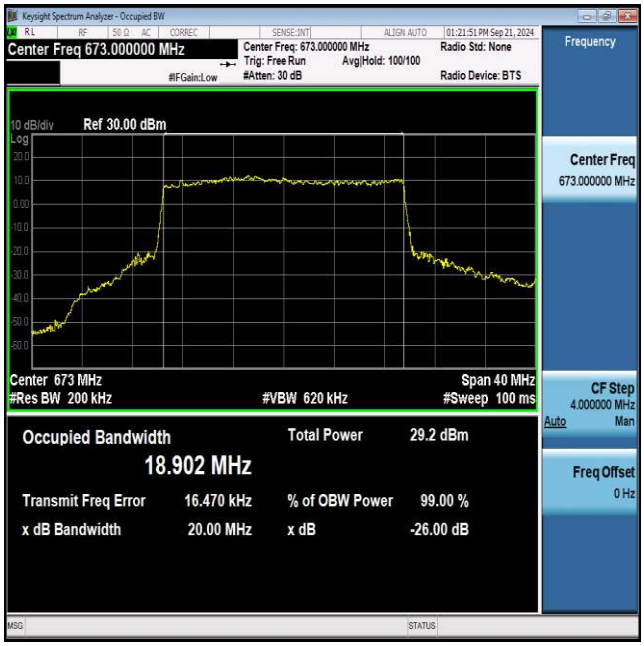


NTNV_N71_PC3_15_20_L_TID6_Ant1#1



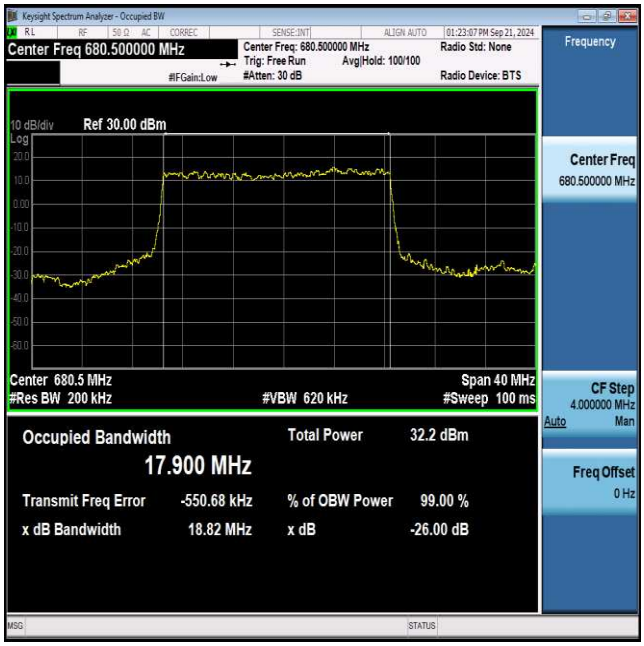
NTNV_N71_PC3_15_20_L_TID7_Ant1#1

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.

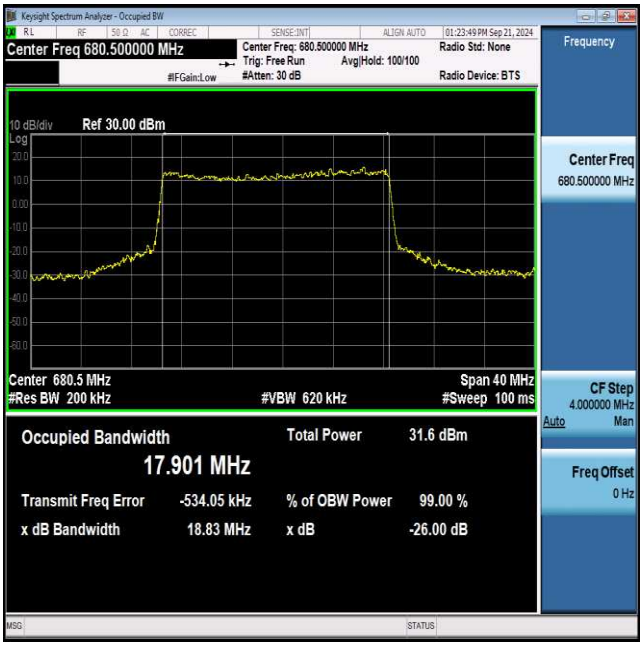


NTNV_N71_PC3_15_20_L_TID8_Ant1#1

NTNV_N71_PC3_15_20_L_TID9_Ant1#1

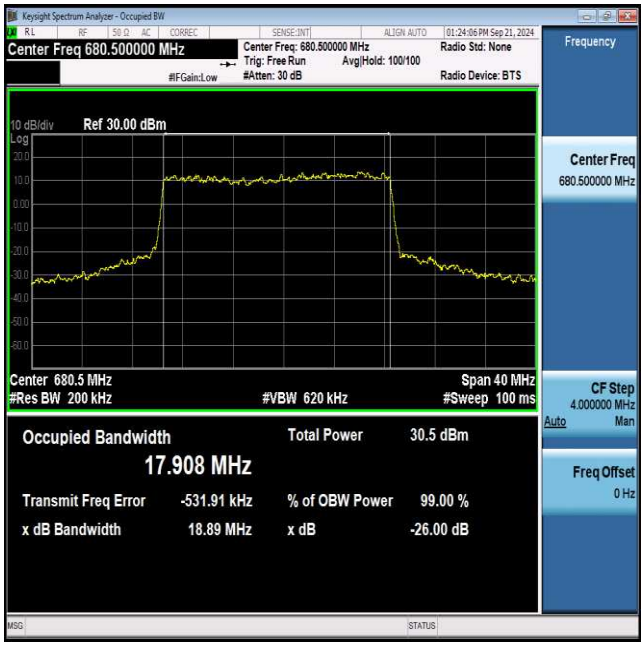


NTNV_N71_PC3_15_20_M_TID1_Ant1#1

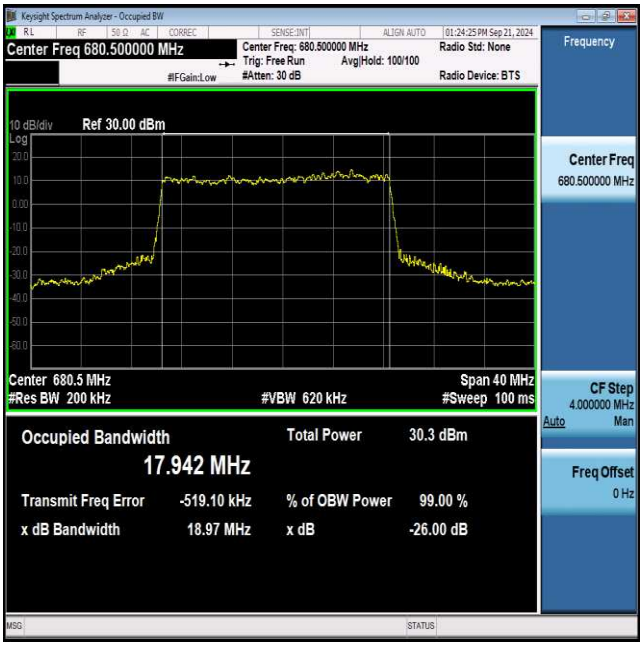


NTNV_N71_PC3_15_20_M_TID2_Ant1#1

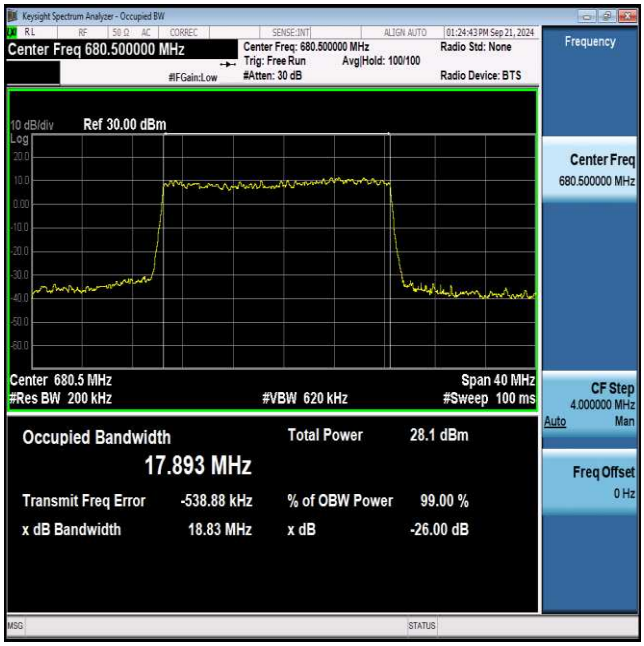
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



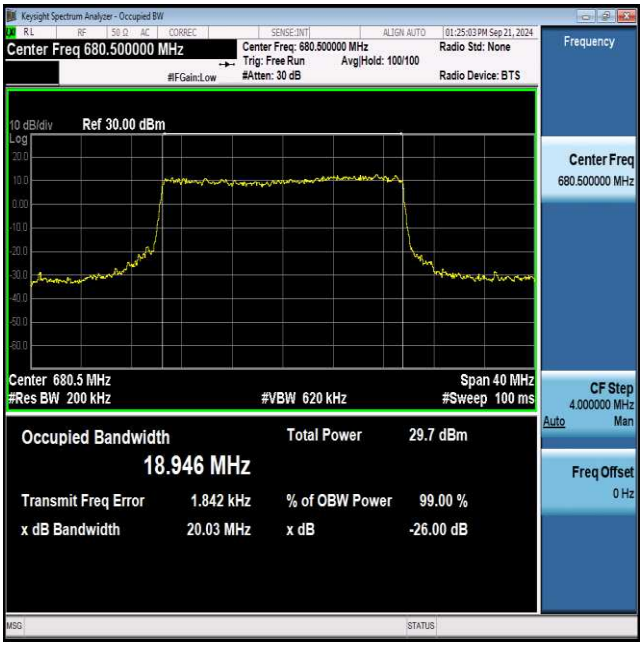
NTNV_N71_PC3_15_20_M_TID3_Ant1#1



NTNV_N71_PC3_15_20_M_TID4_Ant1#1

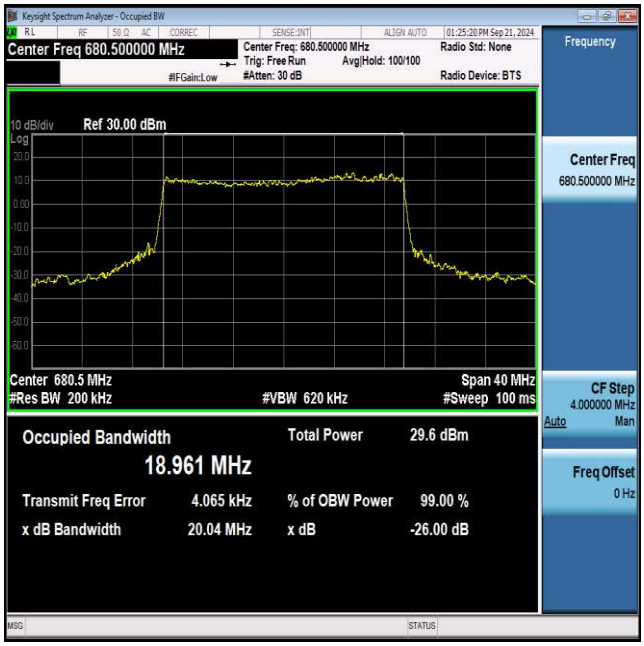


NTNV_N71_PC3_15_20_M_TID5_Ant1#1

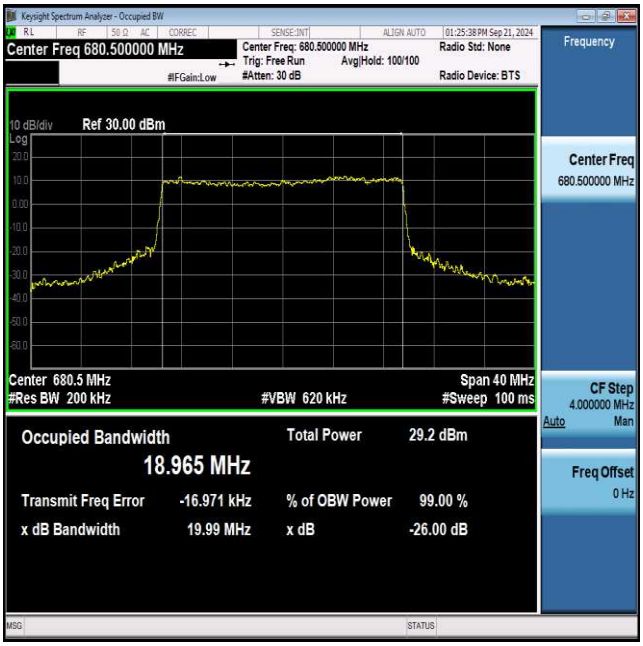


NTNV_N71_PC3_15_20_M_TID6_Ant1#1

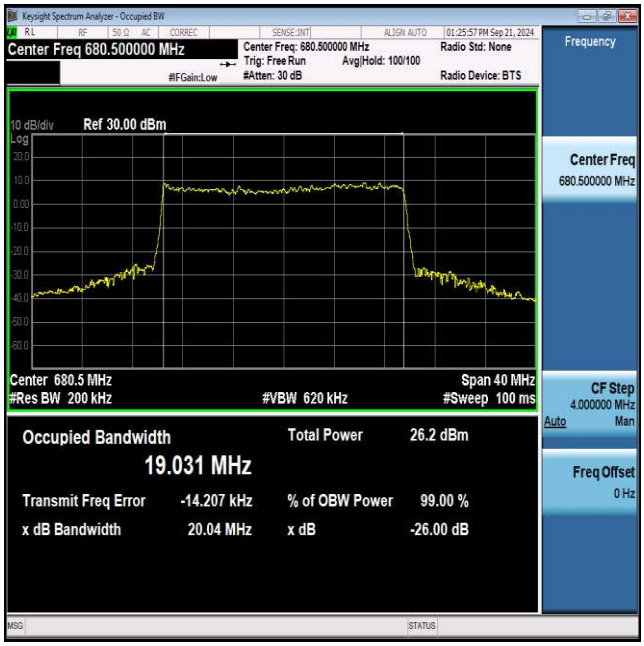
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



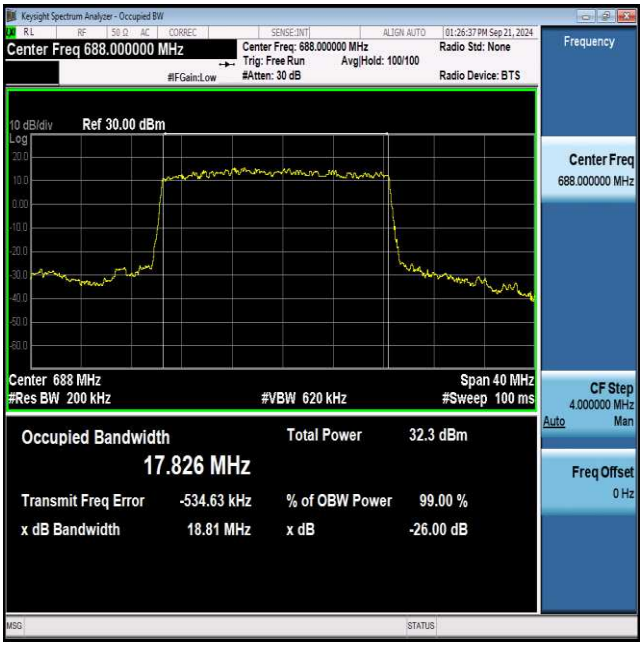
NTNV_N71_PC3_15_20_M_TID7_Ant1#1



NTNV_N71_PC3_15_20_M_TID8_Ant1#1

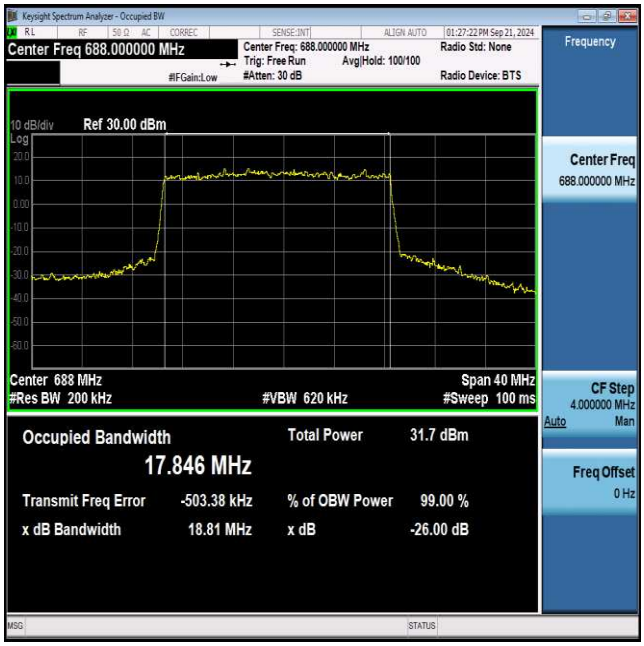


NTNV_N71_PC3_15_20_M_TID9_Ant1#1

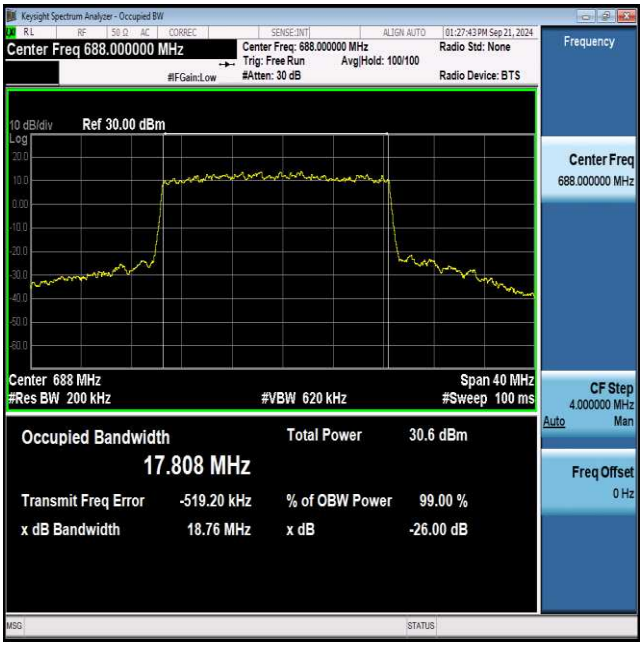


NTNV_N71_PC3_15_20_H_TID1_Ant1#1

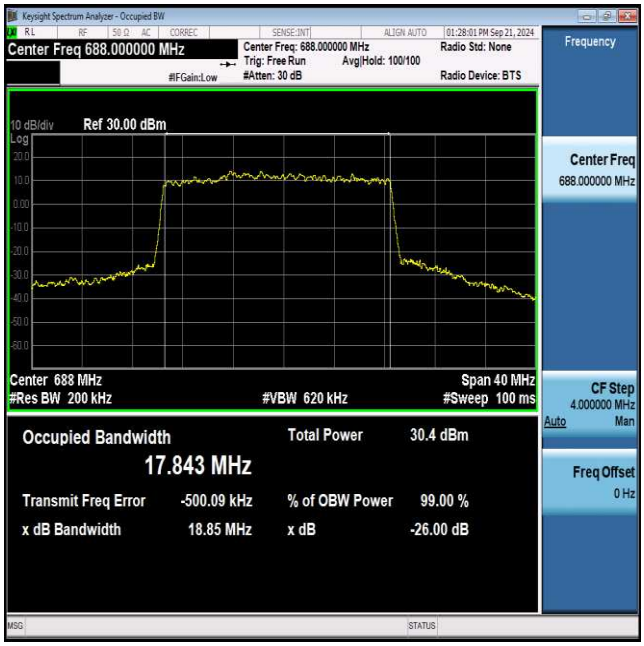
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



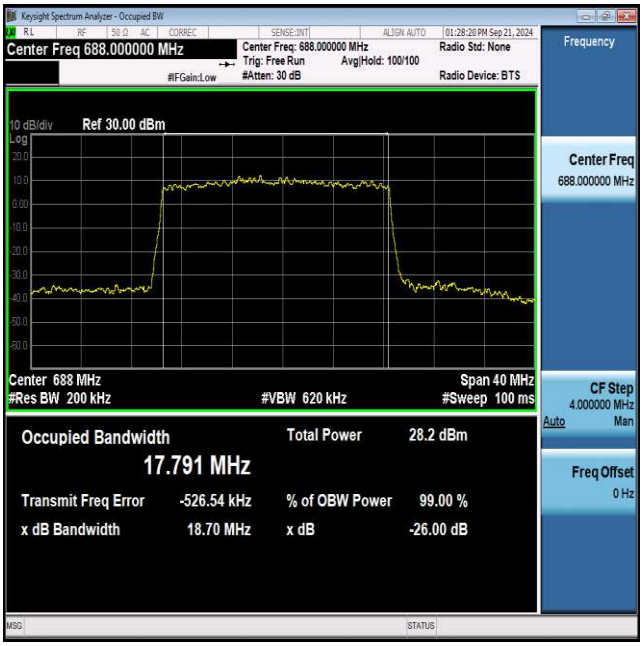
NTNV_N71_PC3_15_20_H_TID2_Ant1#1



NTNV_N71_PC3_15_20_H_TID3_Ant1#1

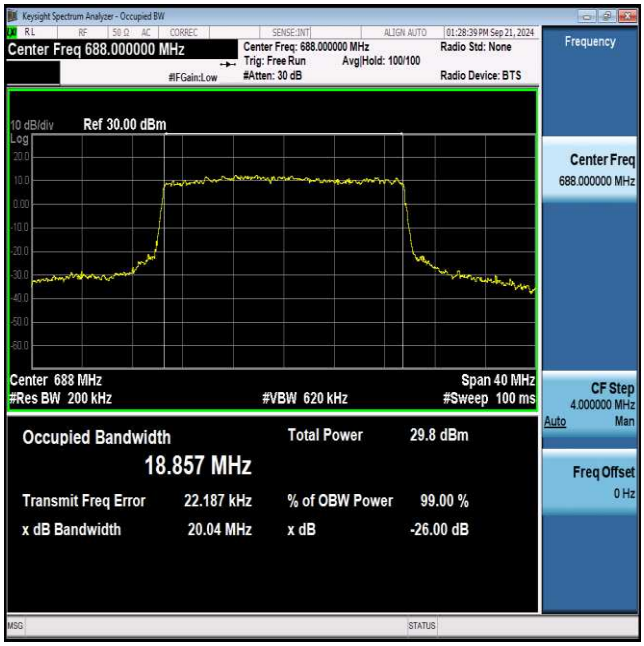


NTNV_N71_PC3_15_20_H_TID4_Ant1#1

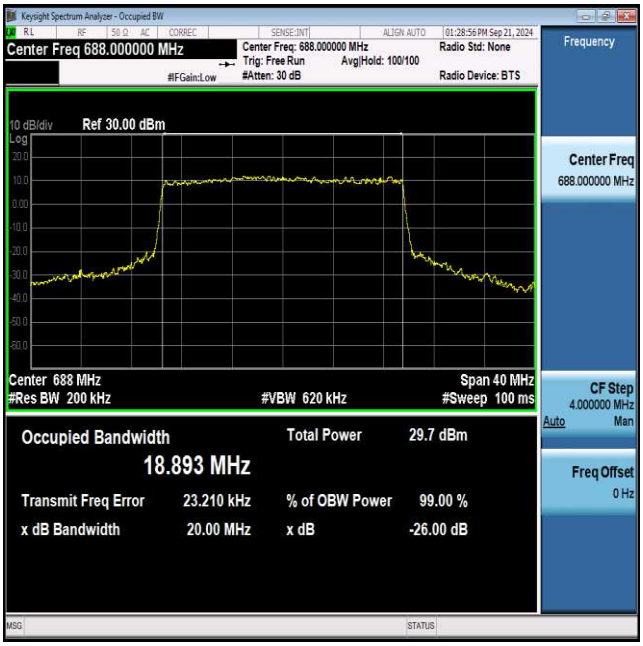


NTNV_N71_PC3_15_20_H_TID5_Ant1#1

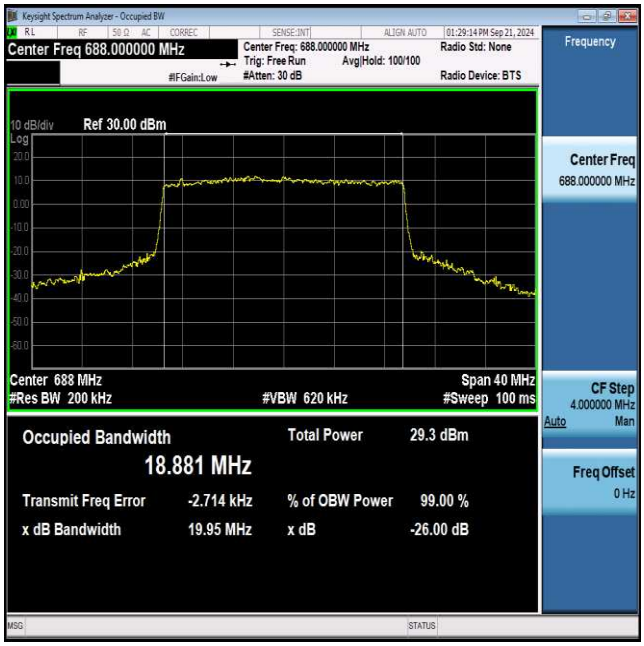
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



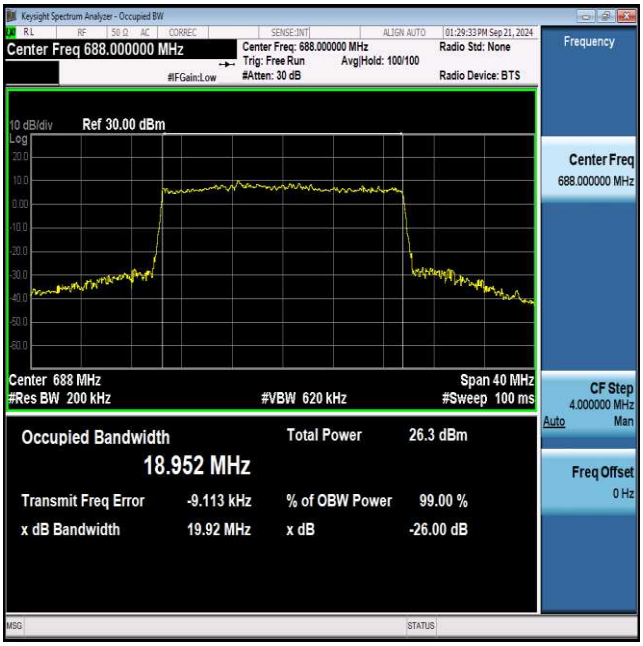
NTNV_N71_PC3_15_20_H_TID6_Ant1#1



NTNV_N71_PC3_15_20_H_TID7_Ant1#1



NTNV_N71_PC3_15_20_H_TID8_Ant1#1

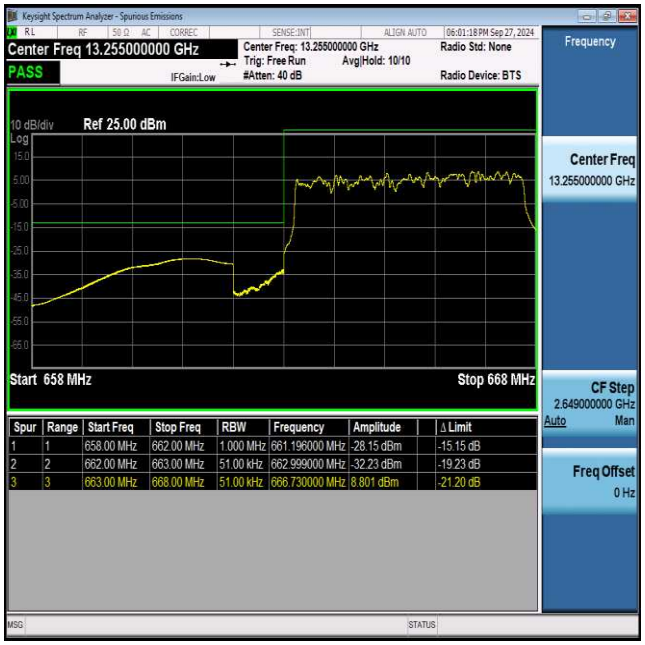


NTNV_N71_PC3_15_20_H_TID9_Ant1#1

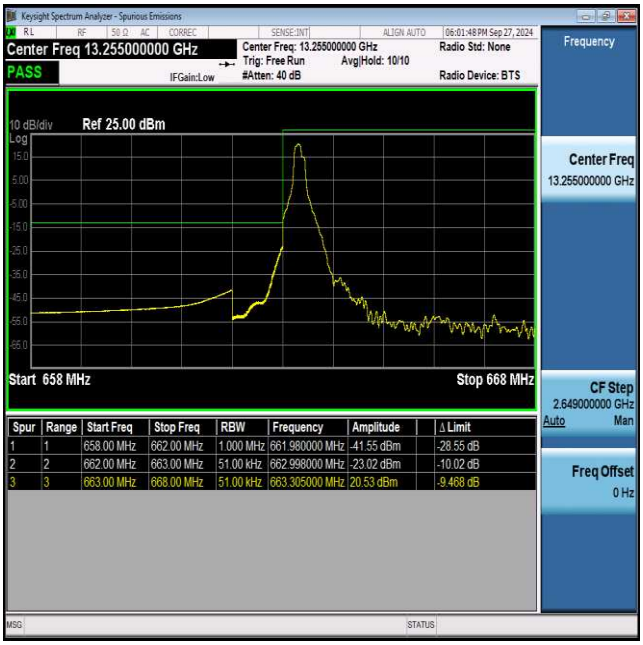
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

Band Edge for SA

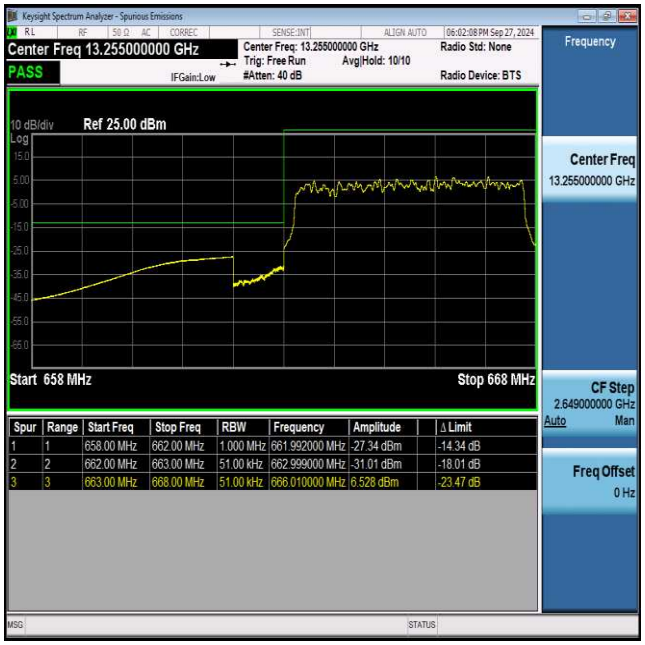
Test Graphs



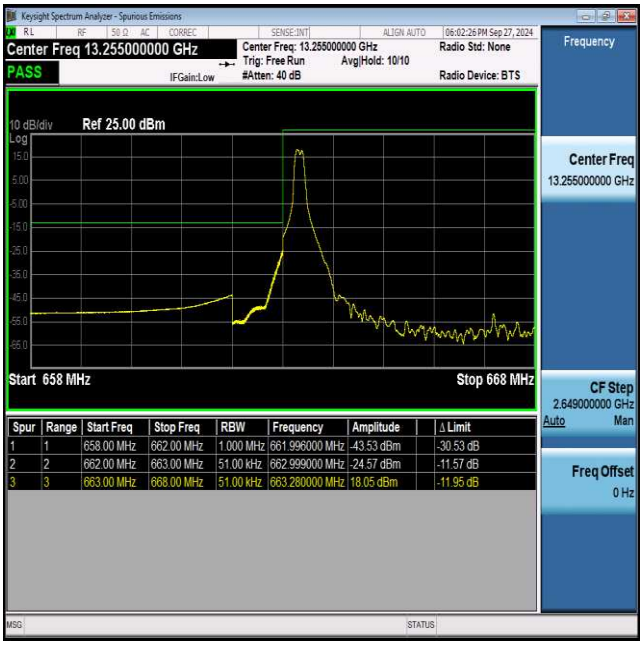
NTNV_N71_PC3_15_5_L_TID1__#1



NTNV_N71_PC3_15_5_L_TID2__#1

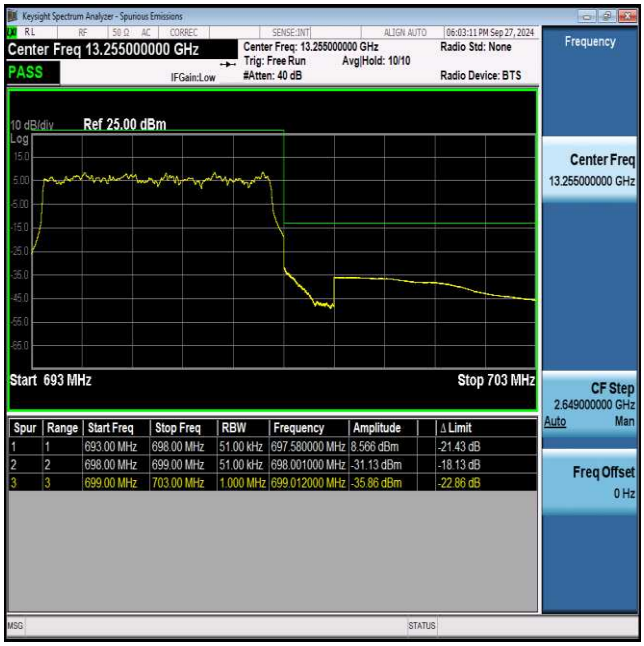


NTNV_N71_PC3_15_5_L_TID16__#1



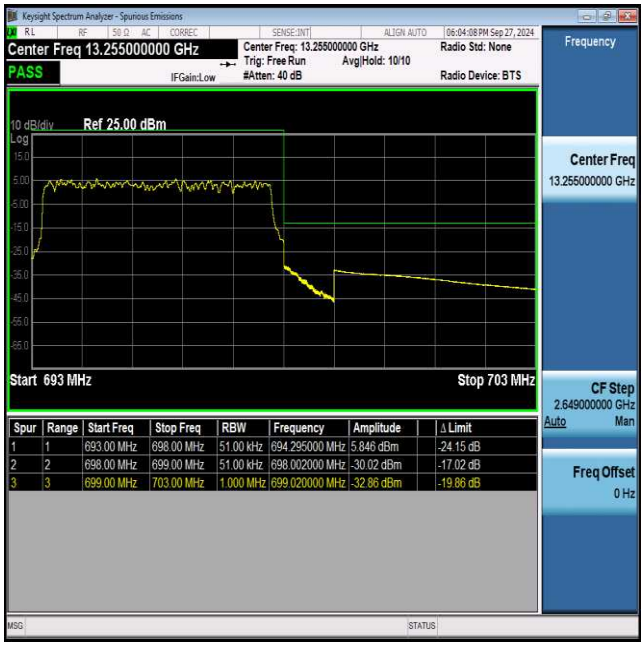
NTNV_N71_PC3_15_5_L_TID17__#1

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.

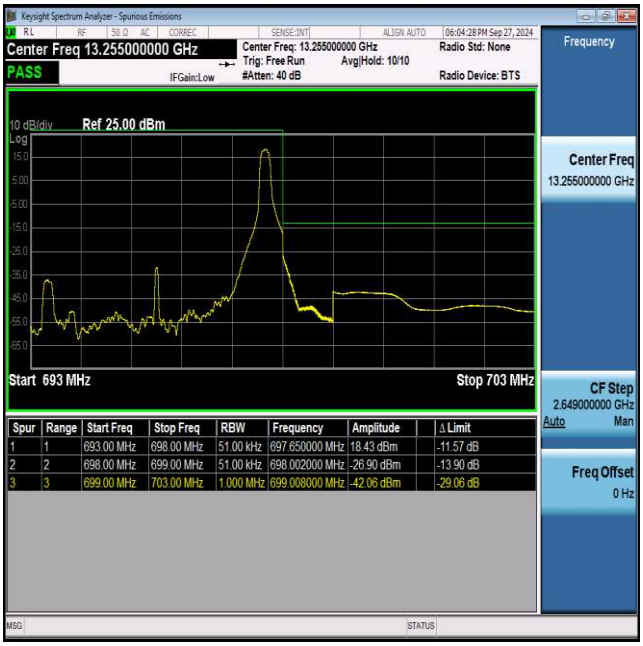


NTNV_N71_PC3_15_5_H_TID1__#1

NTNV_N71_PC3_15_5_H_TID3__#1

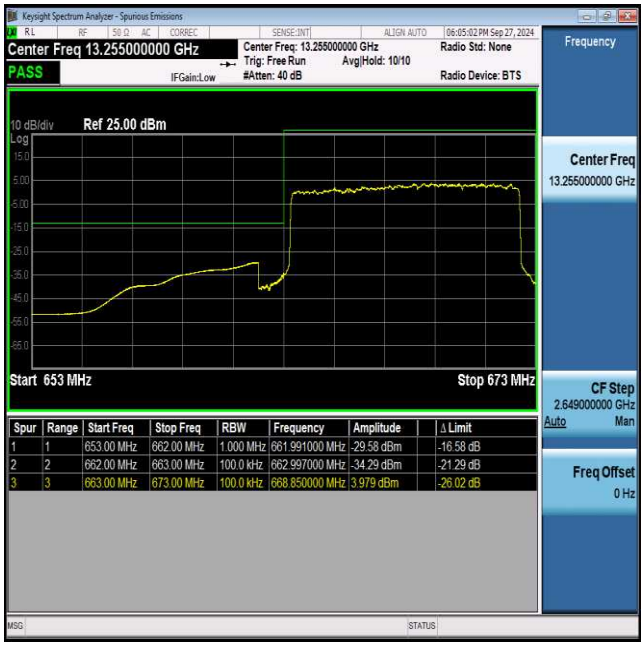


NTNV_N71_PC3_15_5_H_TID16__#1

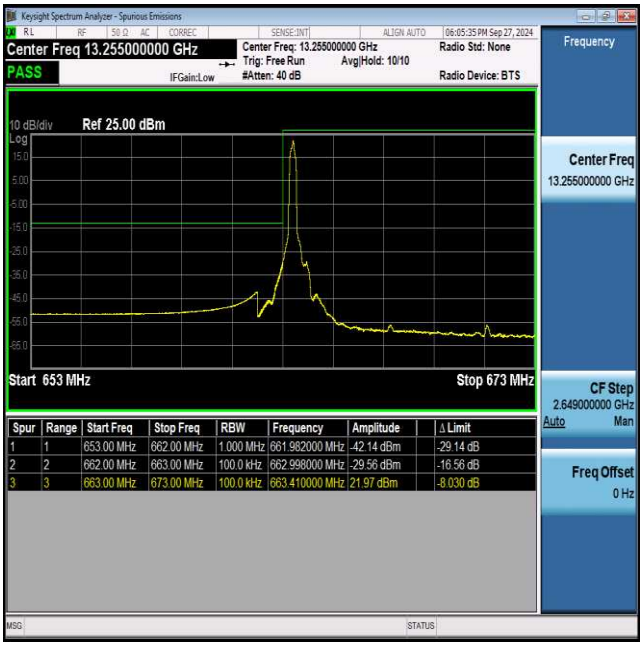


NTNV_N71_PC3_15_5_H_TID18__#1

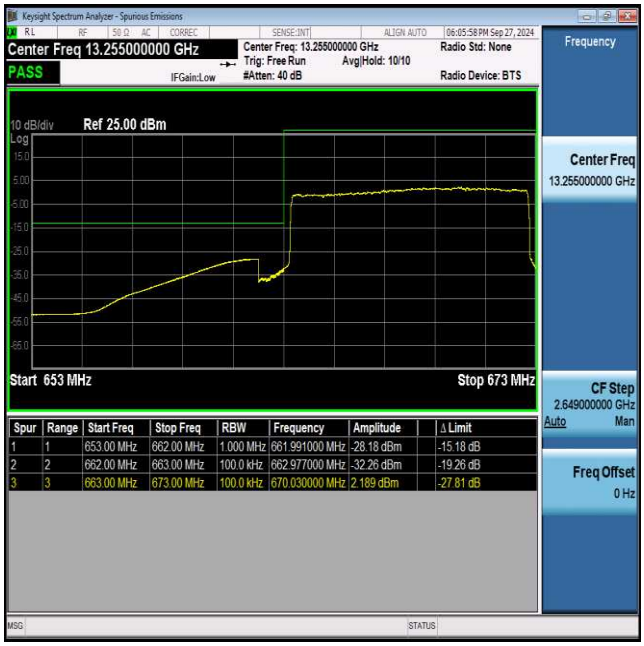
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



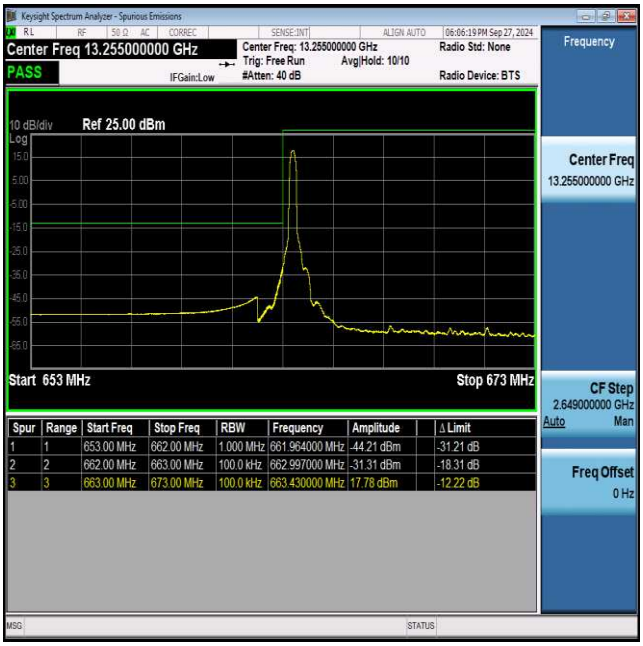
NTNV_N71_PC3_15_10_L_TID1__#1



NTNV_N71_PC3_15_10_L_TID2__#1

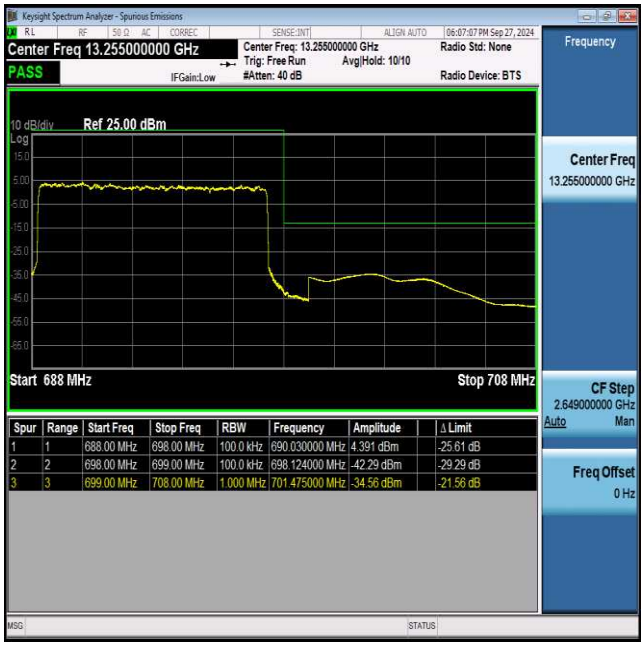


NTNV_N71_PC3_15_10_L_TID16__#1

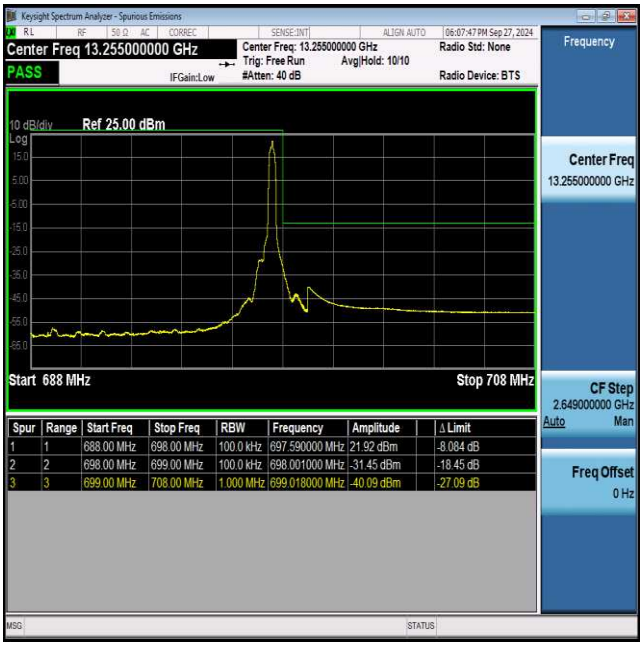


NTNV_N71_PC3_15_10_L_TID17__#1

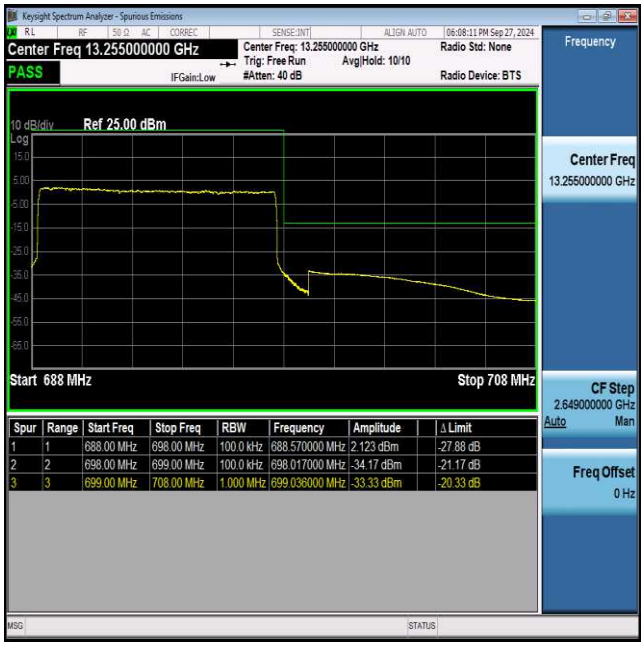
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



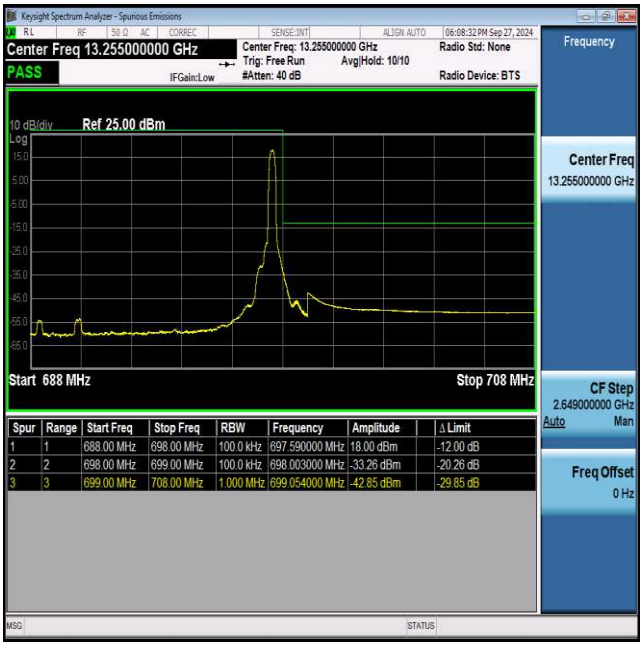
NTNV_N71_PC3_15_10_H_TID1__#1



NTNV_N71_PC3_15_10_H_TID3__#1

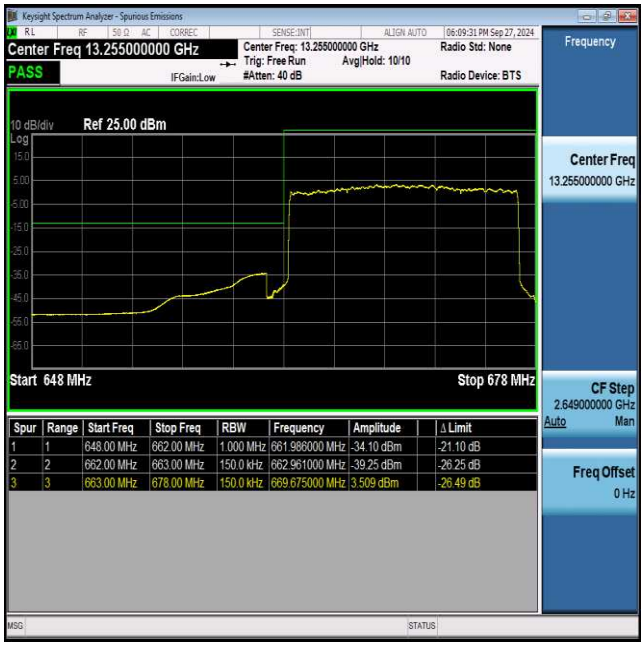


NTNV_N71_PC3_15_10_H_TID16__#1

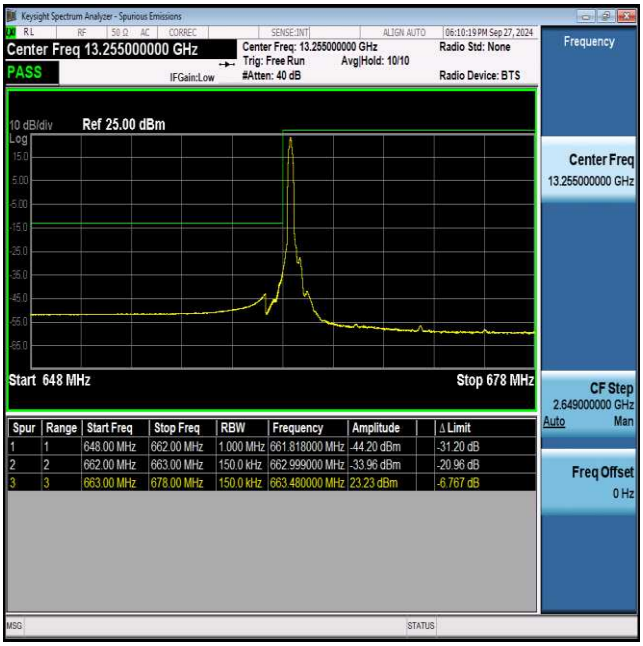


NTNV_N71_PC3_15_10_H_TID18__#1

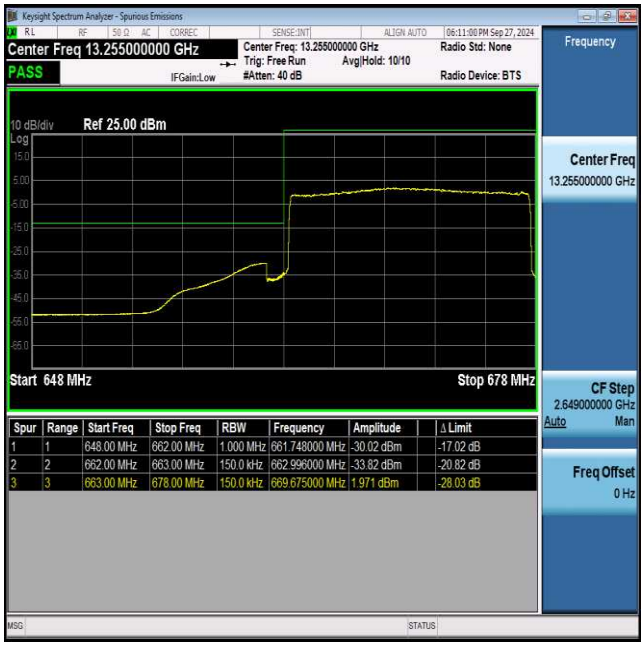
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



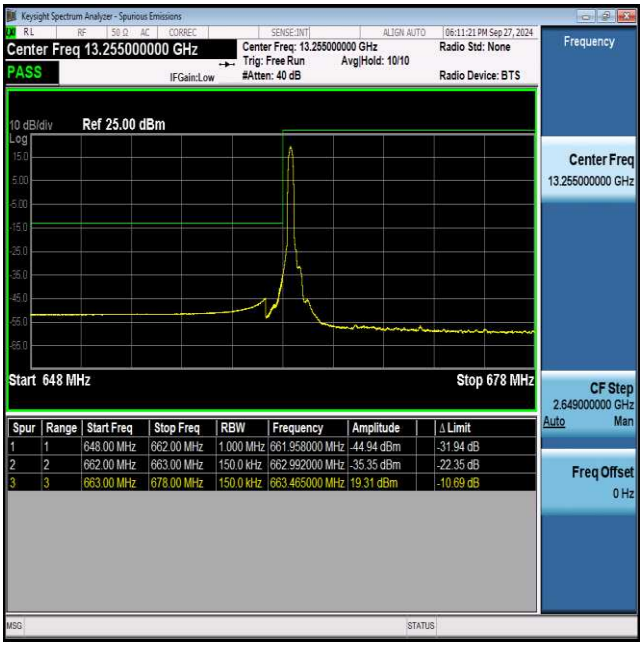
NTNV_N71_PC3_15_15_L_TID1__#1



NTNV_N71_PC3_15_15_L_TID2__#1

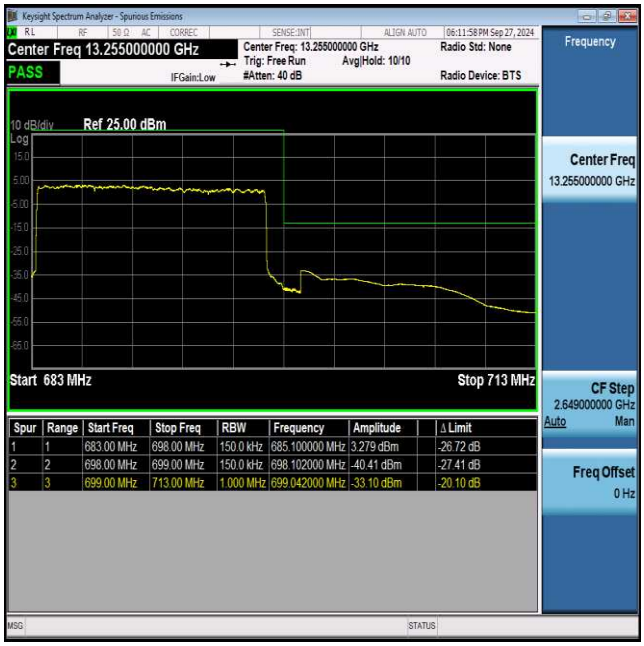


NTNV_N71_PC3_15_15_L_TID16__#1

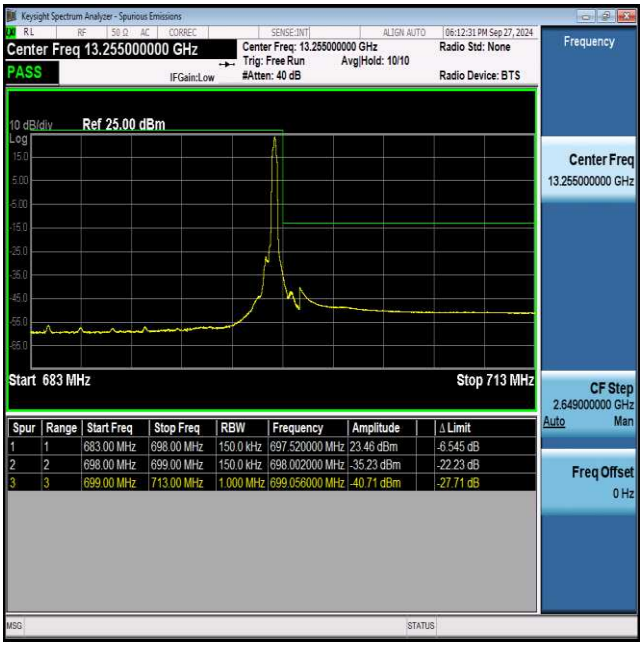


NTNV_N71_PC3_15_15_L_TID17__#1

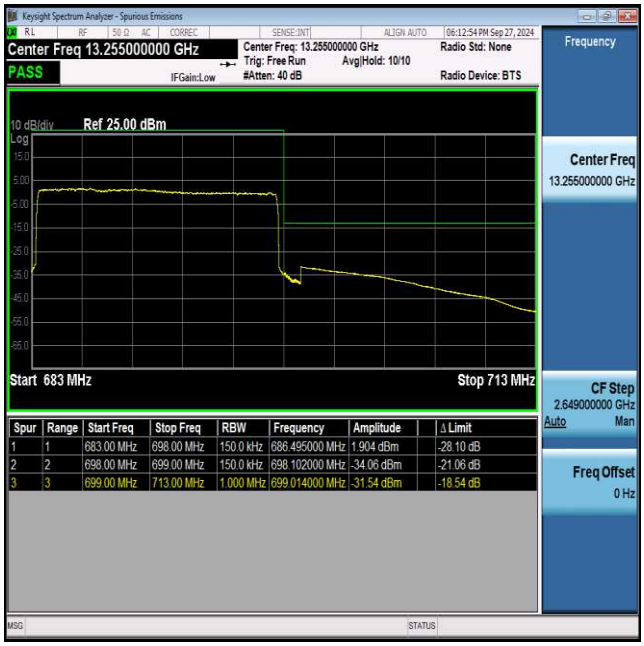
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



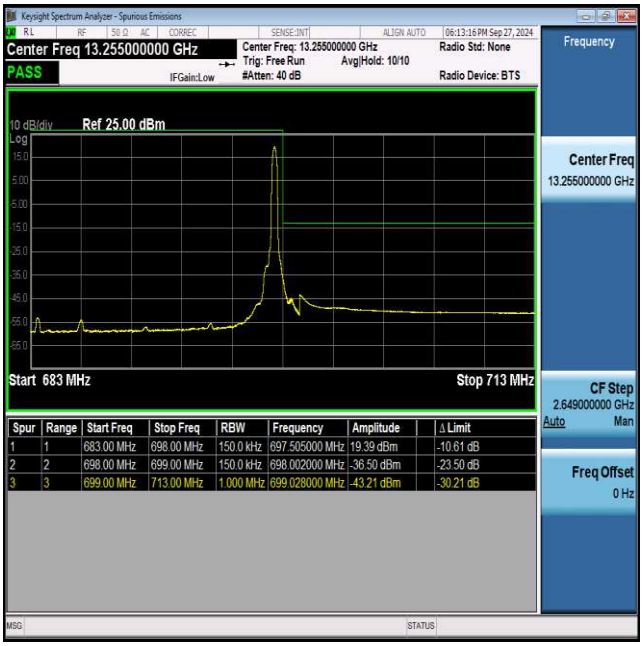
NTNV_N71_PC3_15_15_H_TID1__#1



NTNV_N71_PC3_15_15_H_TID3__#1

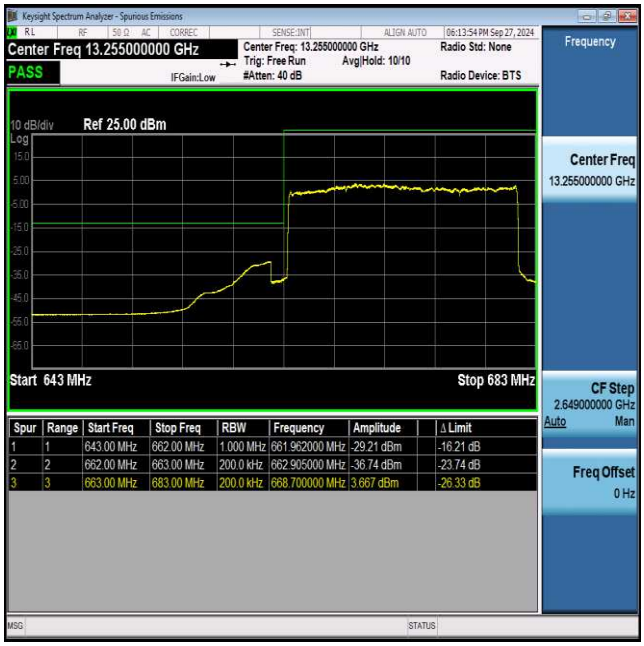


NTNV_N71_PC3_15_15_H_TID16__#1

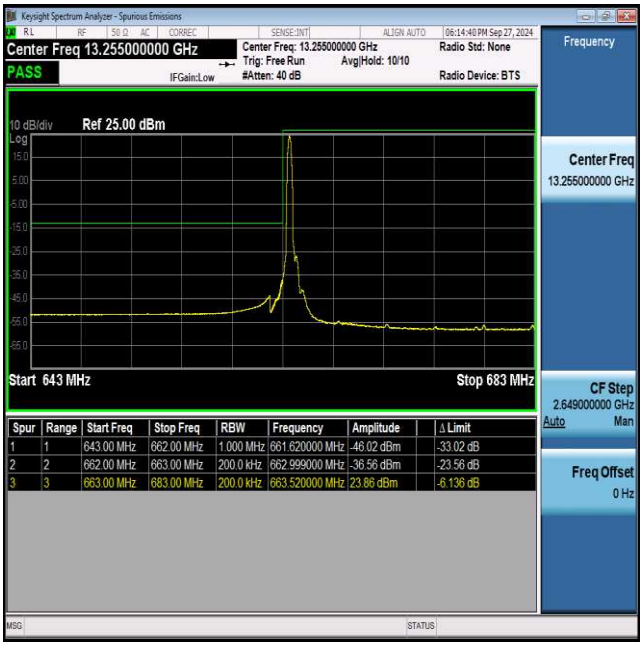


NTNV_N71_PC3_15_15_H_TID18__#1

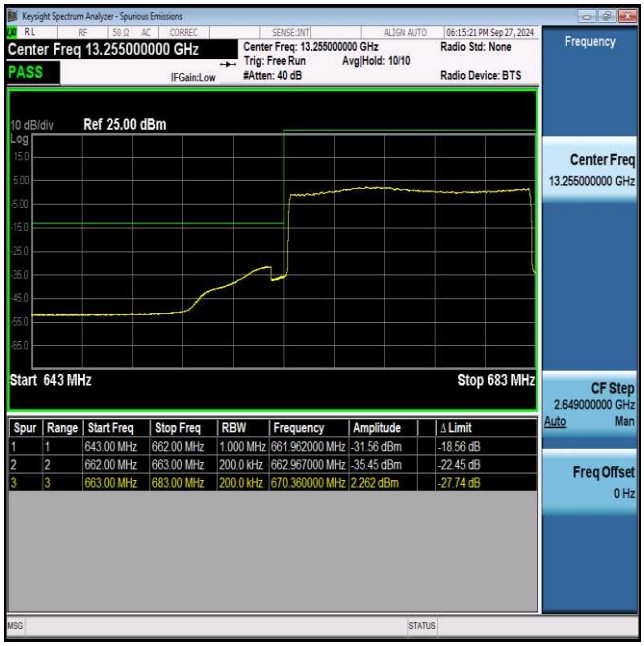
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



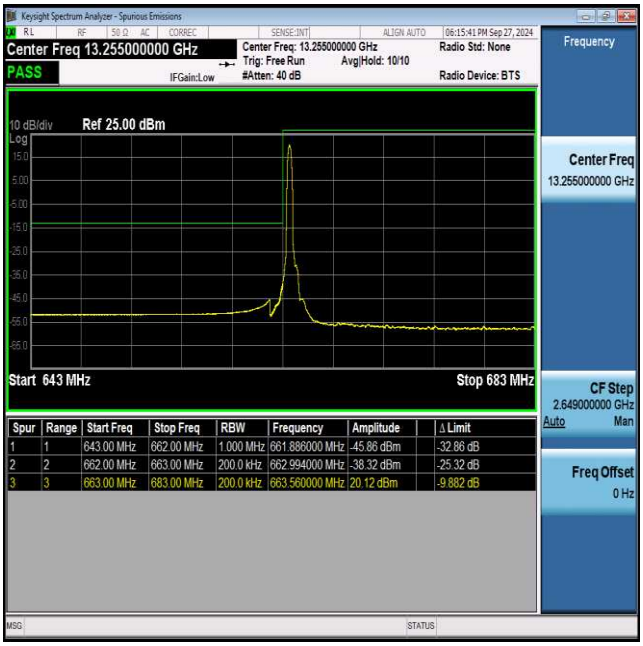
NTNV_N71_PC3_15_20_L_TID1__#1



NTNV_N71_PC3_15_20_L_TID2__#1

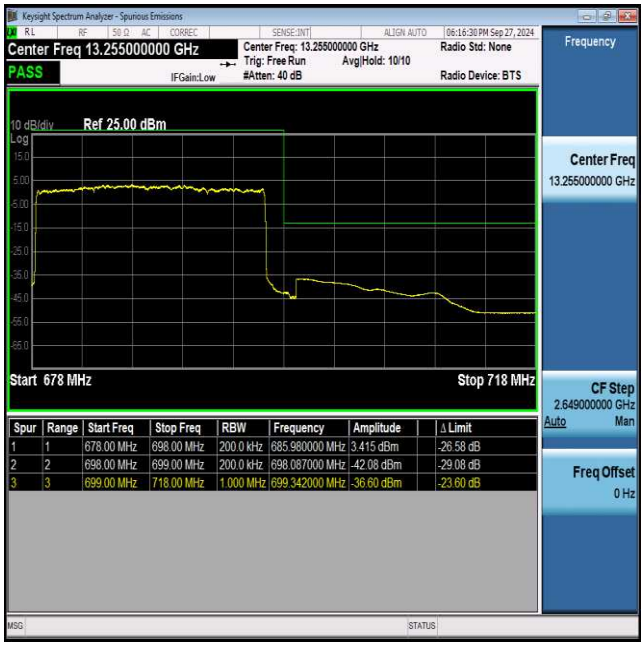


NTNV_N71_PC3_15_20_L_TID16__#1

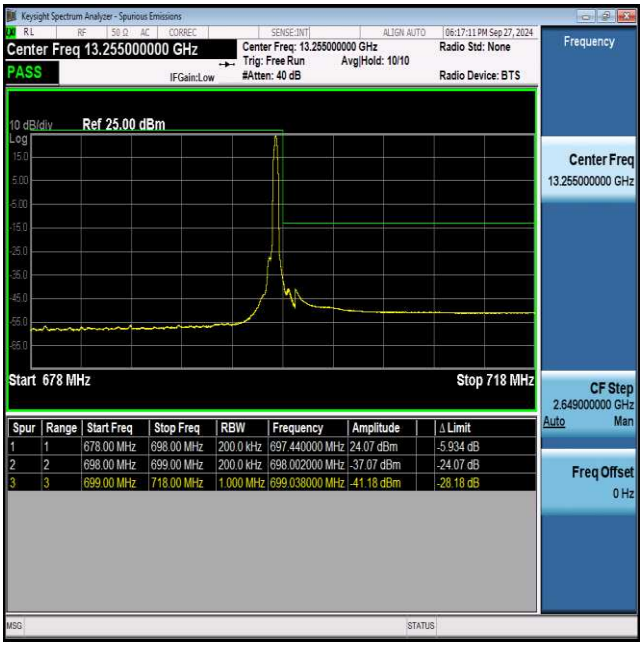


NTNV_N71_PC3_15_20_L_TID17__#1

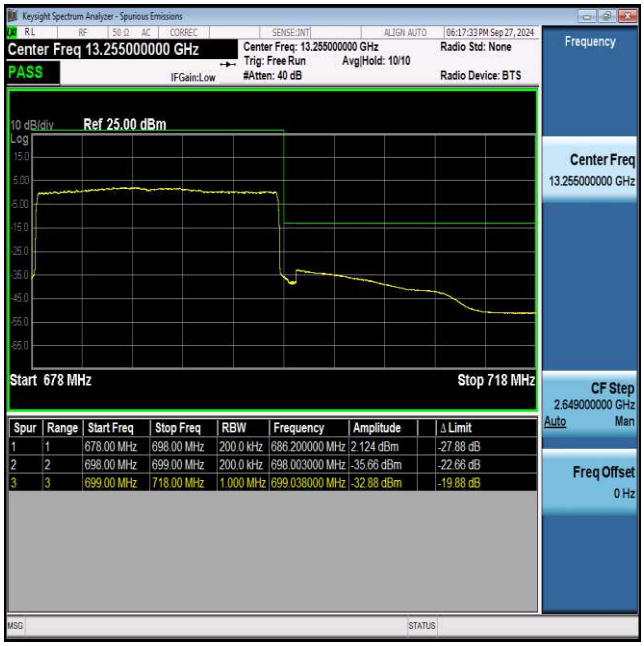
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



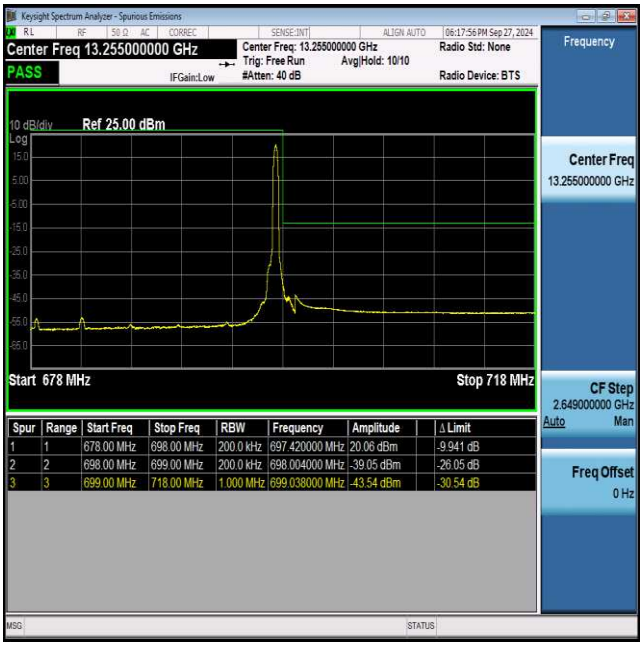
NTNV_N71_PC3_15_20_H_TID1__#1



NTNV_N71_PC3_15_20_H_TID3__#1



NTNV_N71_PC3_15_20_H_TID16__#1



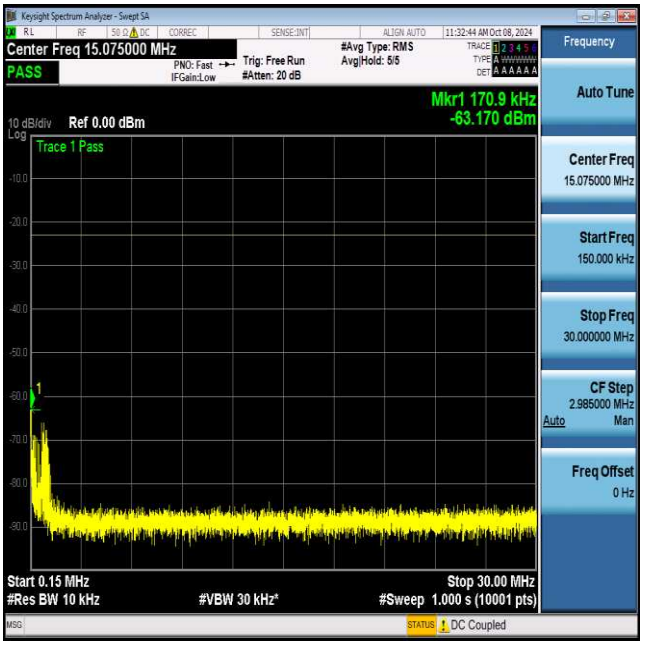
NTNV_N71_PC3_15_20_H_TID18__#1

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.

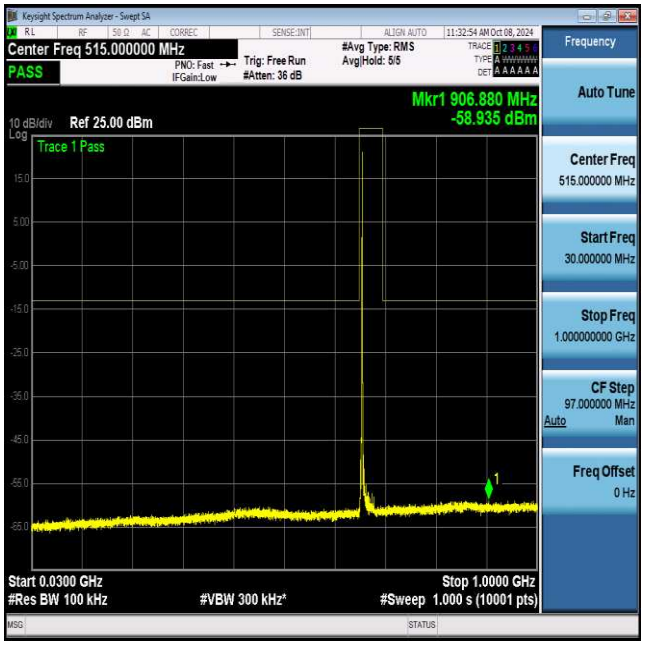
Conducted Spurious Emission for SA

Test Graphs

NTNV_N71_PC3_15_20_L_TID2_NS_01_0.009_0.15_#1



NTNV_N71_PC3_15_20_L_TID2_NS_01_0.15_30_#1



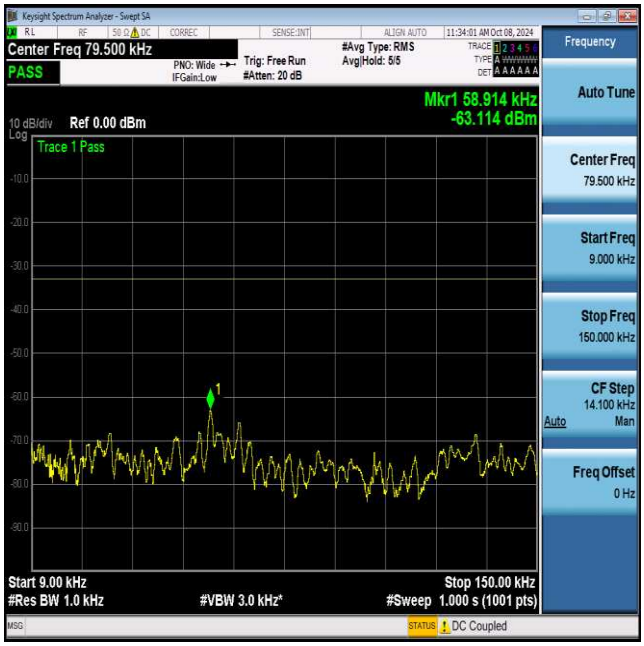
NTNV_N71_PC3_15_20_L_TID2_NS_01_30_1000_#1

NTNV_N71_PC3_15_20_L_TID2_NS_01_1000_3000_#1

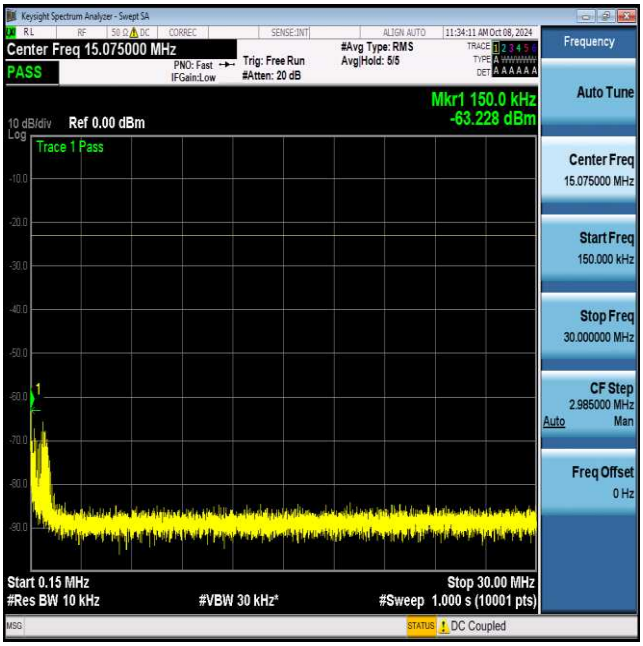
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.

NTNV_N71_PC3_15_20_L_TID2_NS_01_3000_12000_#1

NTNV_N71_PC3_15_20_L_TID2_NS_01_12000_20000_#1

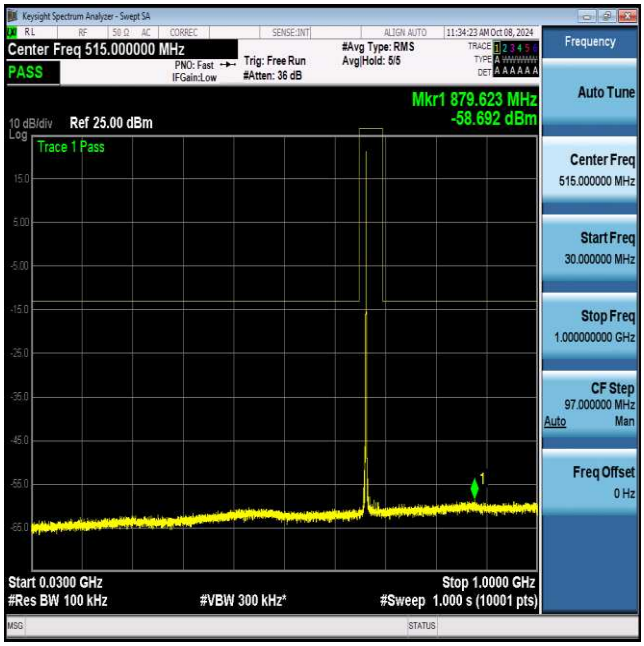


NTNV_N71_PC3_15_20_M_TID2_NS_01_0.009_0.15_#1



NTNV_N71_PC3_15_20_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.



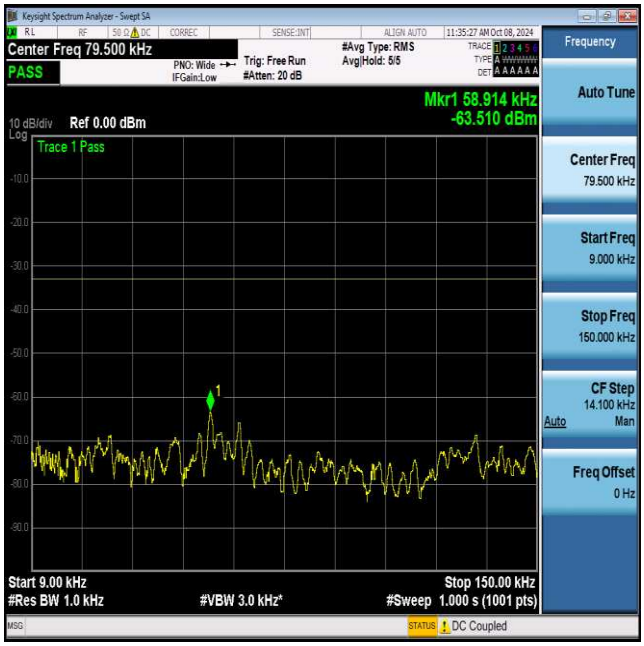
NTNV_N71_PC3_15_20_M_TID2_NS_01_30_1000_#1

NTNV_N71_PC3_15_20_M_TID2_NS_01_1000_3000_#1

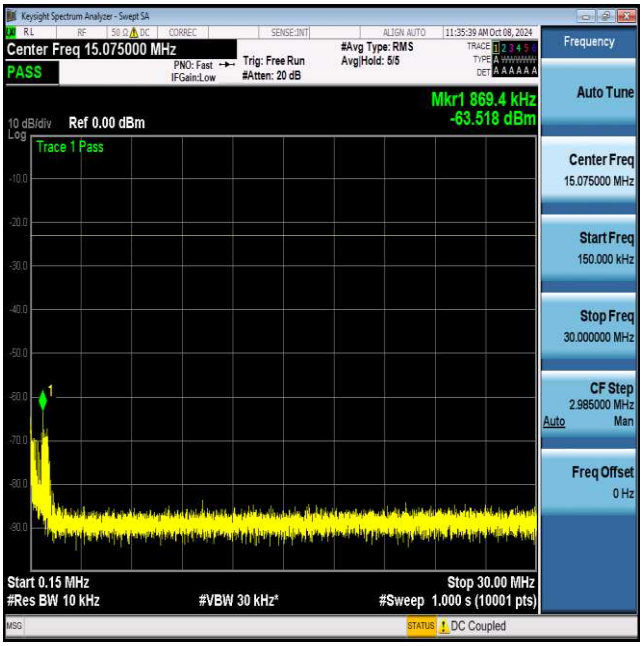
NTNV_N71_PC3_15_20_M_TID2_NS_01_3000_12000_#1

NTNV_N71_PC3_15_20_M_TID2_NS_01_12000_20000_#1

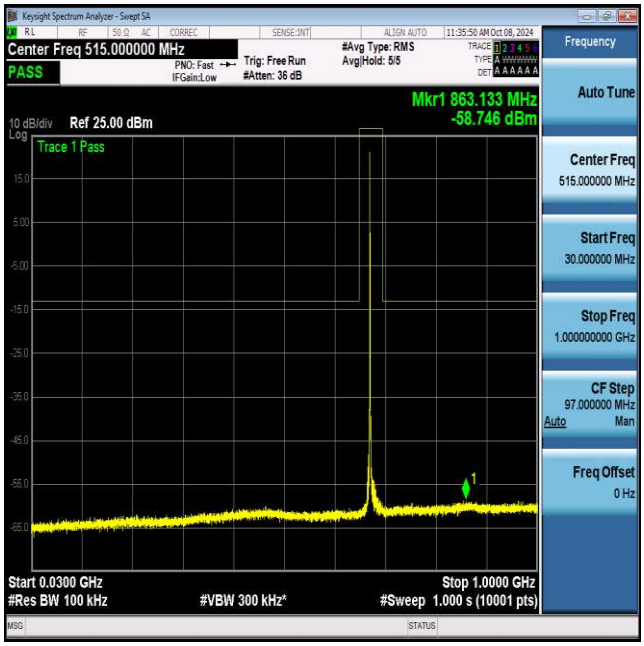
All rights reserved. Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from TOWE.



NTNV_N71_PC3_15_20_H_TID2_NS_01_0.009_0.15_#1



NTNV_N71_PC3_15_20_H_TID2_NS_01_0.15_30_#1



NTNV_N71_PC3_15_20_H_TID2_NS_01_30_1000_#1

NTNV_N71_PC3_15_20_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_N71_PC3_15_20_H_TID2_NS_01_3000_12000_#1

NTNV_N71_PC3_15_20_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	Temp	Deviation (Hz)	Deviation (ppm)	Verdict
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VL	NT	-11.700000	-0.017193	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VN	NT	-11.500000	-0.016899	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	VH	NT	-9.700000	-0.014254	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VL	NT	-5.400000	-0.007934	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VN	NT	-4.000000	-0.005878	PASS
N71	15	20	CP-QPSK	M	Outer_Full	VH	NT	-7.000000	-0.010287	PASS

Frequency Error VS. Temperature

Temperature										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temp	Deviation (Hz)	Deviation (ppm)	Verdic t
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-30	-12.500000	-0.018369	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-20	-12.000000	-0.017634	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	-10	-10.800000	-0.015871	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	0	-14.500000	-0.021308	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	10	-12.100000	-0.017781	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	20	-12.400000	-0.018222	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	30	-14.100000	-0.020720	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	40	-11.500000	-0.016899	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	NV	50	-12.100000	-0.017781	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-30	-8.300000	-0.012197	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-20	-6.300000	-0.009258	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	-10	-7.500000	-0.011021	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	0	-7.700000	-0.011315	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	10	-5.700000	-0.008376	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	20	-7.200000	-0.010580	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	30	-6.400000	-0.009405	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	40	-7.300000	-0.010727	PASS
N71	15	20	CP-QPSK	M	Outer_Full	NV	50	-8.800000	-0.012932	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.