



Test Report No.: PSU-QSU2312140113RF07



Certificate #6613.01

APPENDIX A

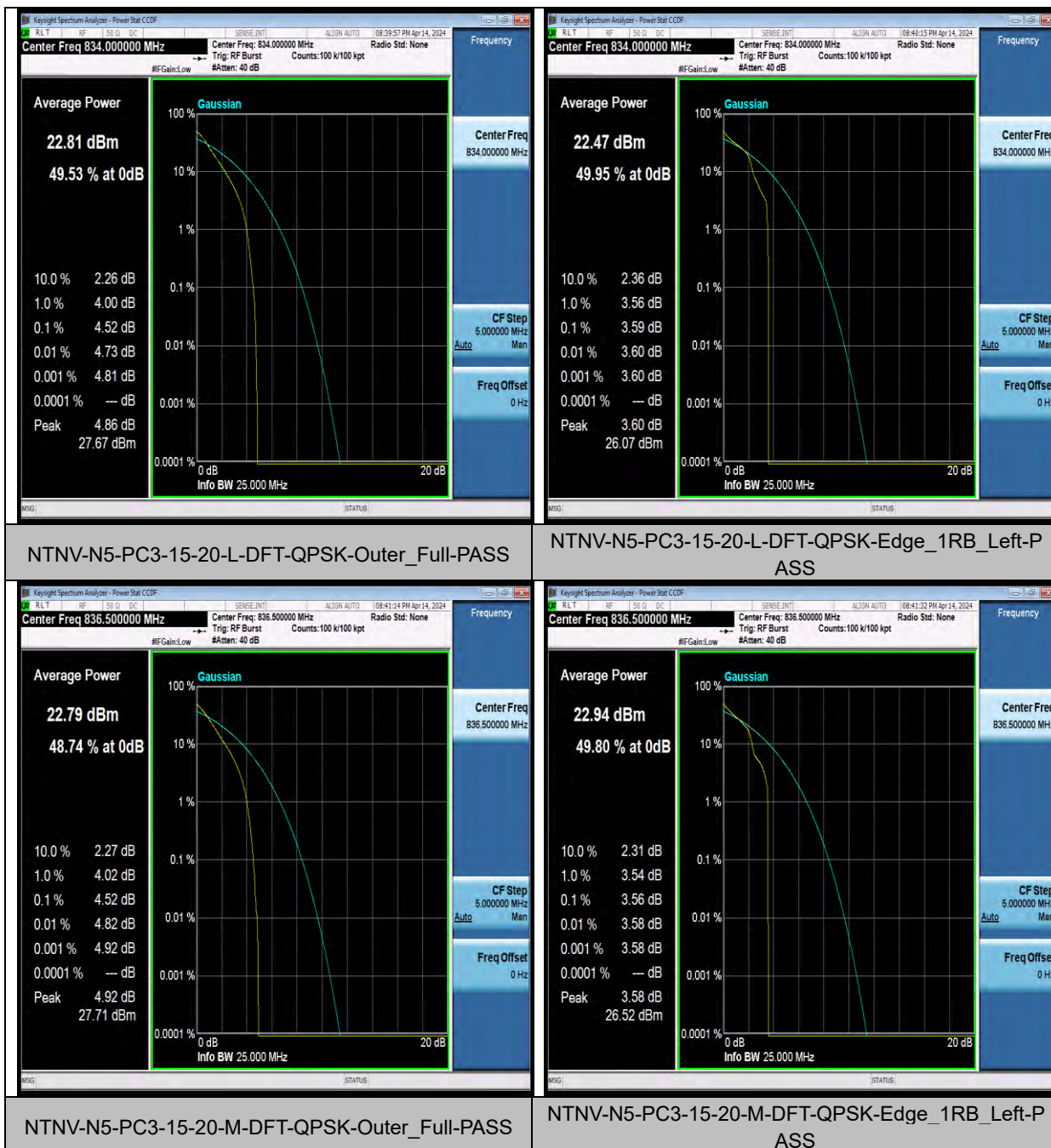
N5

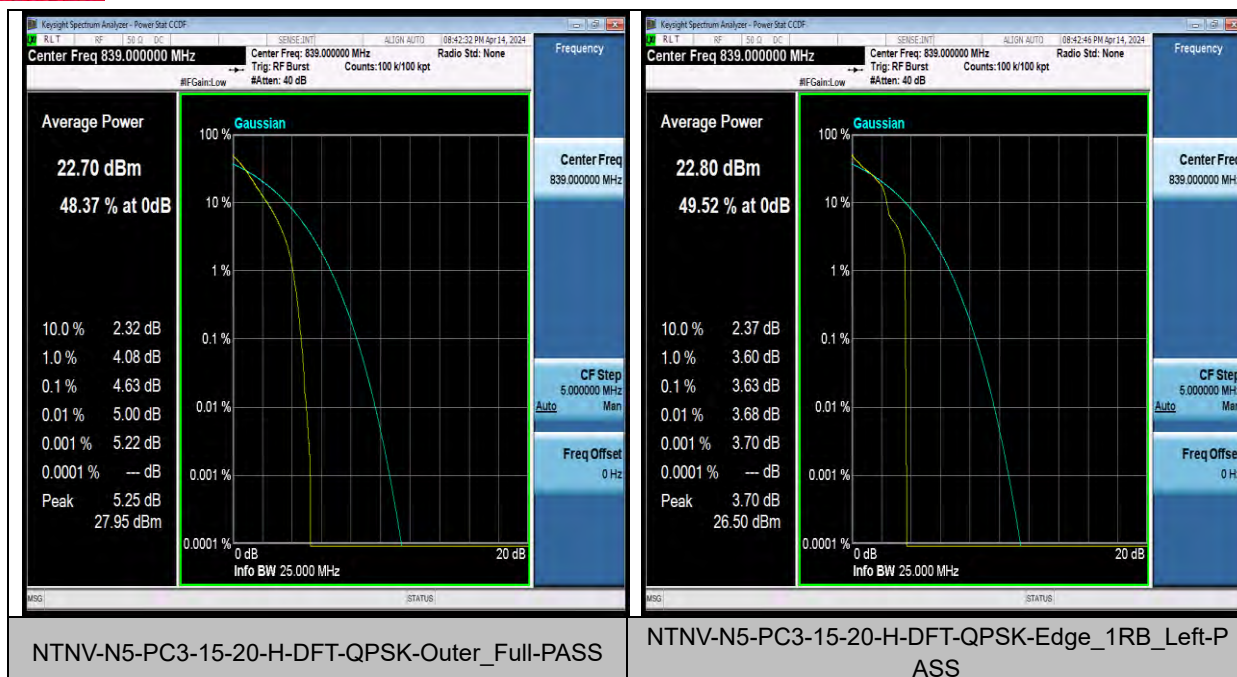
PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N5	15	20	DFT-QPSK	L	Outer_Full	4.52	≤ 13	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Left	3.59	≤ 13	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	4.52	≤ 13	PASS
N5	15	20	DFT-QPSK	M	Edge_1RB_Left	3.56	≤ 13	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	4.63	≤ 13	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Left	3.63	≤ 13	PASS

Test Graphs







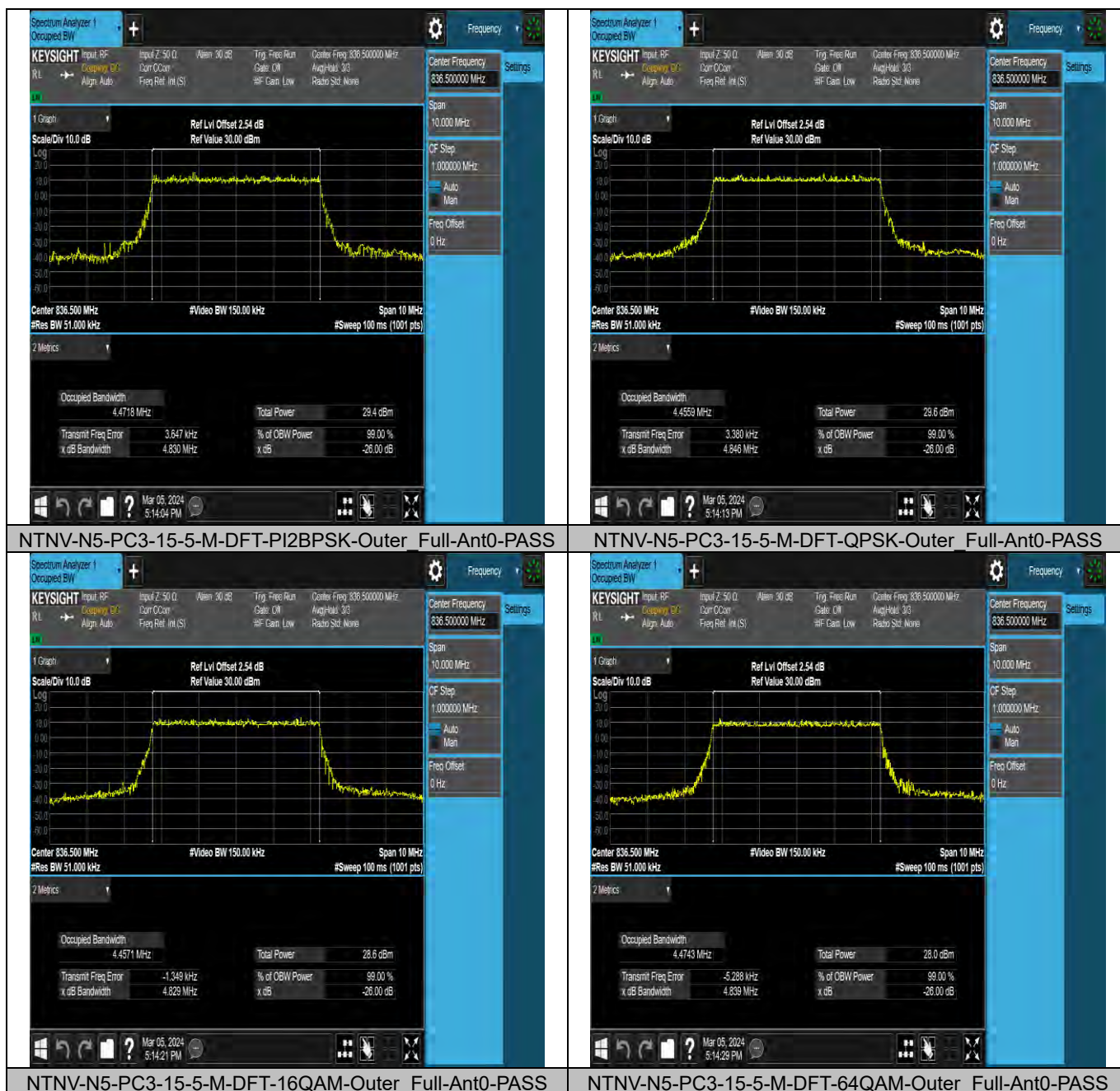
Test Report No.: PSU-QSU2312140113RF07

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

Test Result

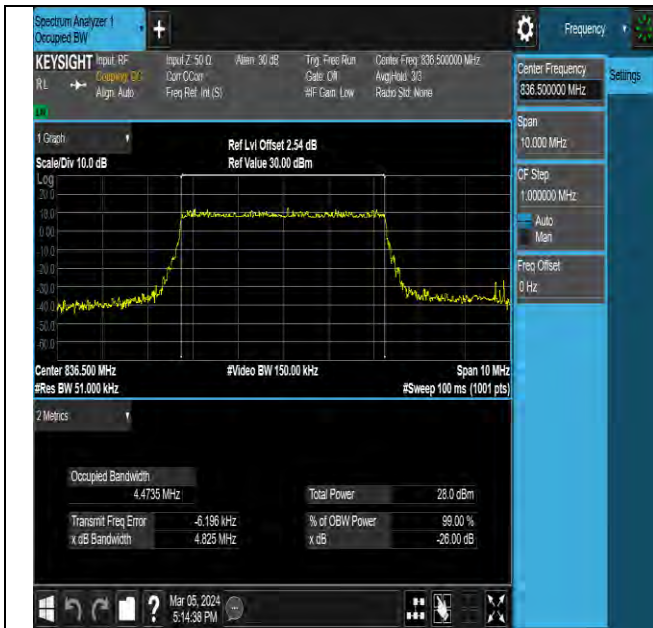
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N5	15	5	DFT-PI2BPSK	M	Outer_Full	4.4718	4.830	PASS
N5	15	5	DFT-QPSK	M	Outer_Full	4.4559	4.846	PASS
N5	15	5	DFT-16QAM	M	Outer_Full	4.4571	4.829	PASS
N5	15	5	DFT-64QAM	M	Outer_Full	4.4743	4.839	PASS
N5	15	5	DFT-256QAM	M	Outer_Full	4.4735	4.825	PASS
N5	15	10	DFT-PI2BPSK	M	Outer_Full	8.9160	9.468	PASS
N5	15	10	DFT-QPSK	M	Outer_Full	8.9053	9.463	PASS
N5	15	10	DFT-16QAM	M	Outer_Full	8.9182	9.416	PASS
N5	15	10	DFT-64QAM	M	Outer_Full	8.8951	9.424	PASS
N5	15	10	DFT-256QAM	M	Outer_Full	8.9080	9.419	PASS
N5	15	15	DFT-PI2BPSK	M	Outer_Full	13.374	14.11	PASS
N5	15	15	DFT-QPSK	M	Outer_Full	13.366	14.01	PASS
N5	15	15	DFT-16QAM	M	Outer_Full	13.376	14.09	PASS
N5	15	15	DFT-64QAM	M	Outer_Full	13.361	14.06	PASS
N5	15	15	DFT-256QAM	M	Outer_Full	13.371	14.05	PASS
N5	15	20	DFT-PI2BPSK	M	Outer_Full	17.800	18.64	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	17.823	18.61	PASS
N5	15	20	DFT-16QAM	M	Outer_Full	17.841	18.66	PASS
N5	15	20	DFT-64QAM	M	Outer_Full	17.826	18.64	PASS
N5	15	20	DFT-256QAM	M	Outer_Full	17.831	18.62	PASS

Test Graphs





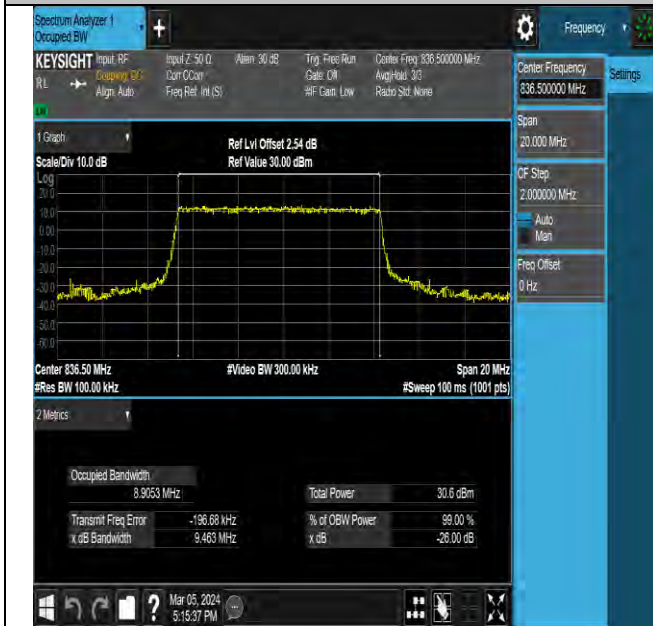
Test Report No.: PSU-QSU2312140113RF07



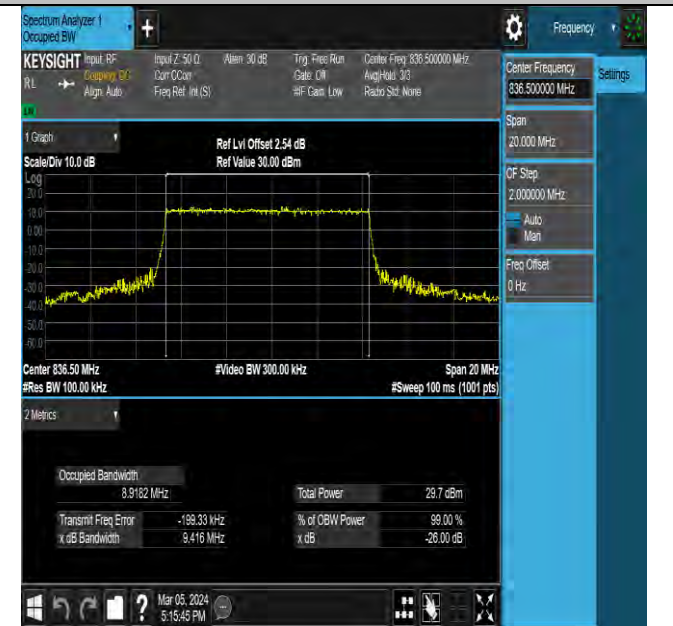
NTNV-N5-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant0-PASS



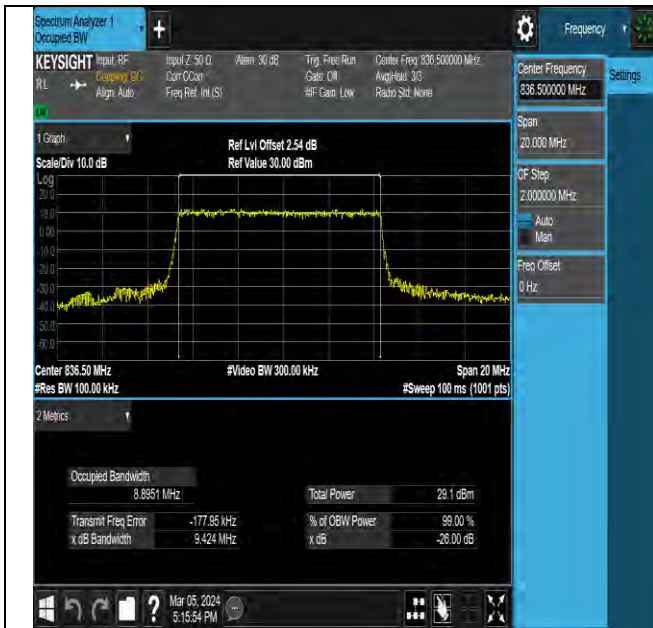
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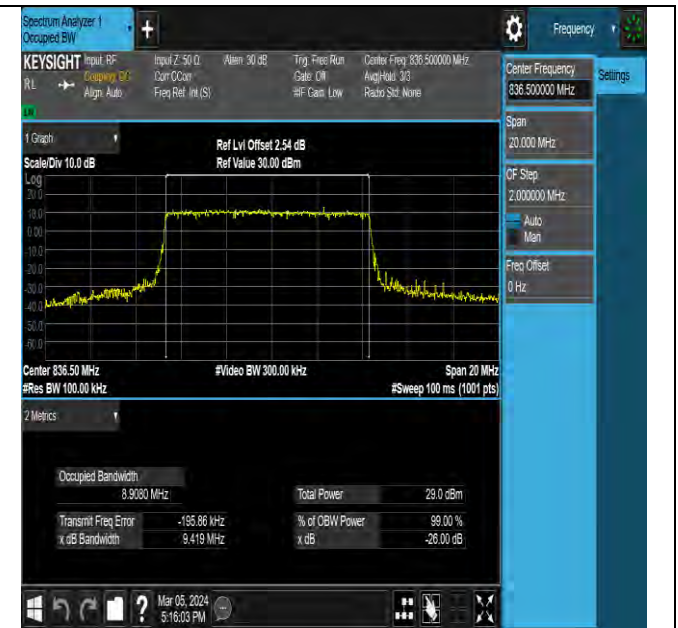
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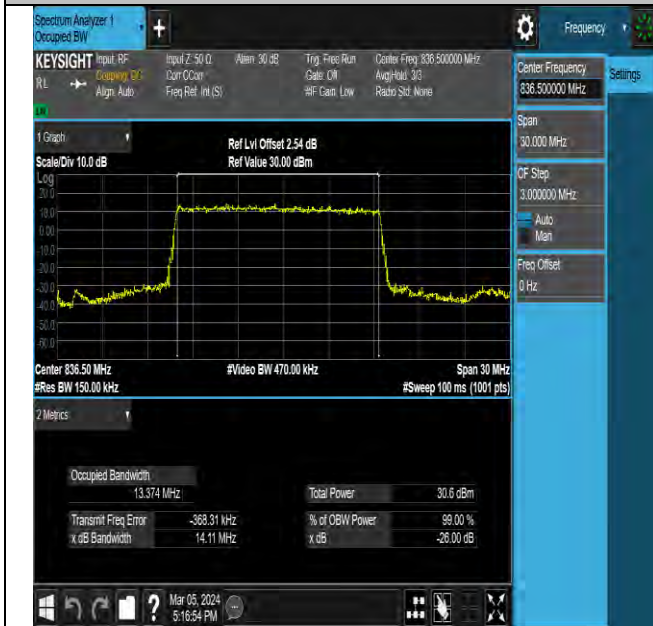
Test Report No.: PSU-QSU2312140113RF07



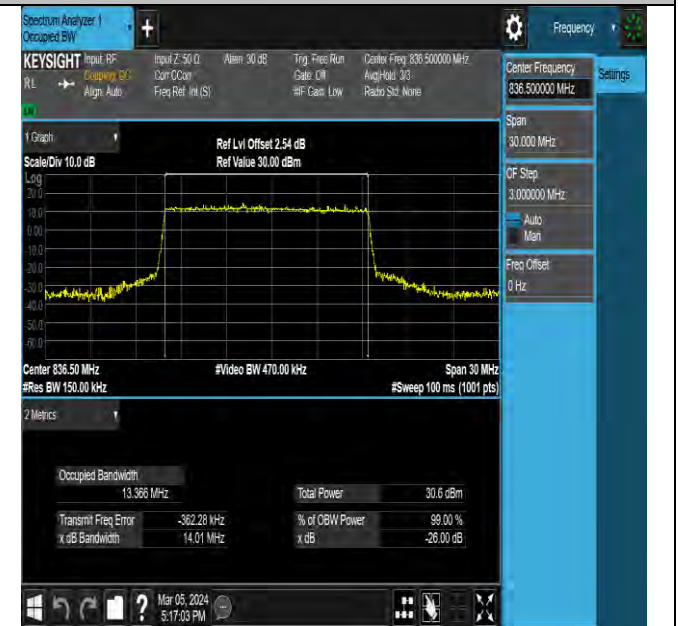
NTNV-N5-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant0-PASS



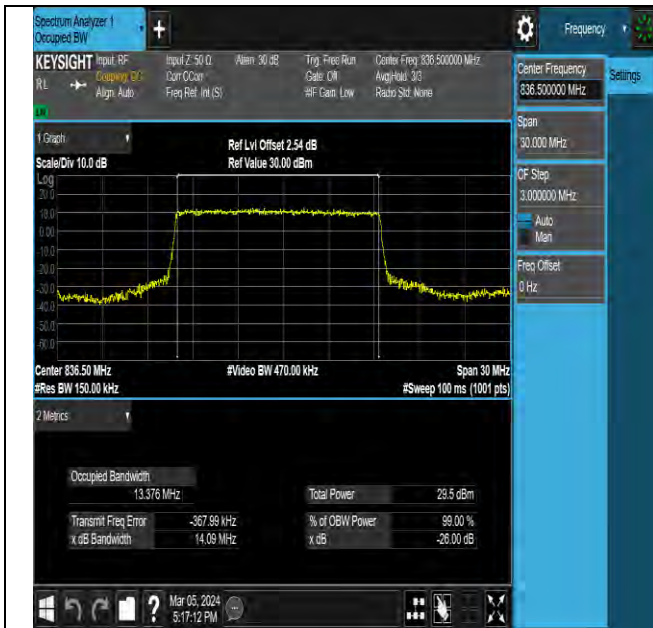
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NTNV-N5-PC3-15-15-M-DFT-QPSK-Outer_Full-Ant0-PASS



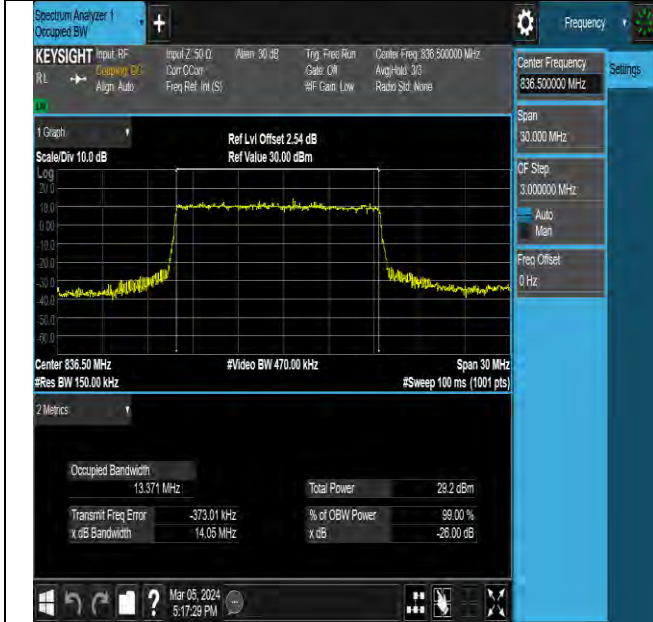
Test Report No.: PSU-QSU2312140113RF07



NTNV-N5-PC3-15-15-M-DFT-16QAM-Outer Full-Ant0-PASS



NTNV-N5-PC3-15-15-M-DFT-64QAM-Outer Full-Ant0-PASS



NTNV-N5-PC3-15-15-M-DFT-256QAM-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-20-M-DFT-P12BPSK-Outer_Full-Ant0-PASS

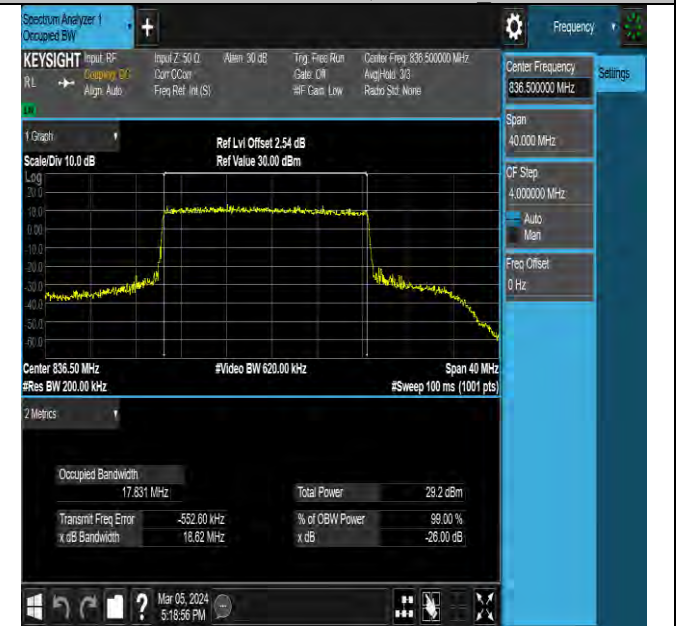


Test Report No.: PSU-QSU2312140113RF07



NTNV-N5-PC3-15-20-M-DFT-QPSK-Outter_Full-Ant0-PASS

NTNV-N5-PC3-15-20-M-DFT-16QAM-Outter_Full-Ant0-PASS



NTNV-N5-PC3-15-20-M-DFT-64QAM-Outter_Full-Ant0-PASS

NTNV-N5-PC3-15-20-M-DFT-256QAM-Outter_Full-Ant0-PASS



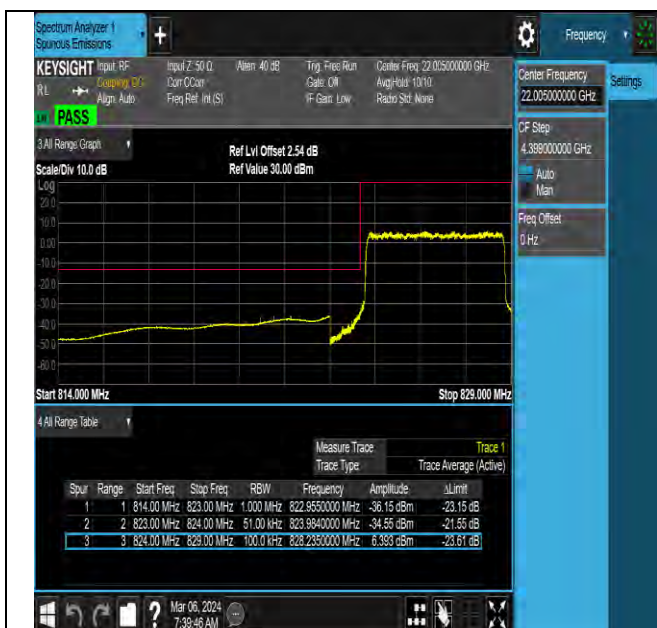
Test Report No.: PSU-QSU2312140113RF07

BAND EDGE FOR SA

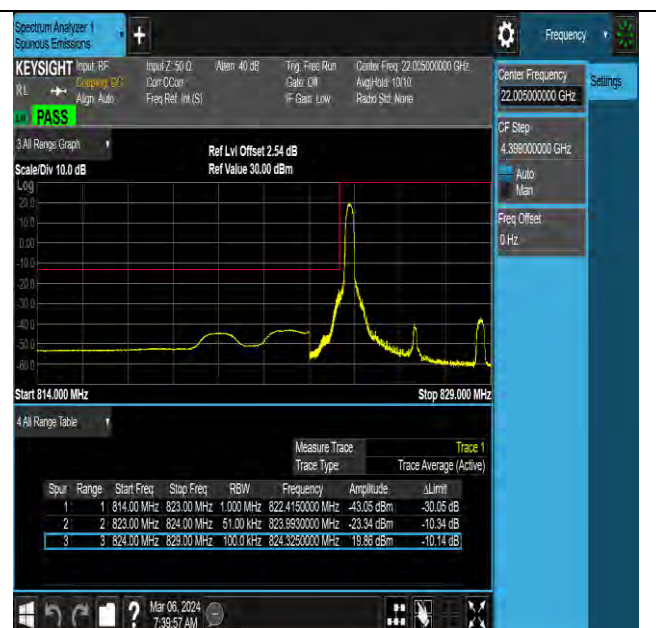
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N5	15	5	DFT-QPSK	L	Outer_Full	-34.55	PASS
N5	15	5	DFT-QPSK	L	Edge_1RB_Left	-23.34	PASS
N5	15	5	DFT-QPSK	H	Outer_Full	-27.21	PASS
N5	15	5	DFT-QPSK	H	Edge_1RB_Right	-23.50	PASS
N5	15	10	DFT-QPSK	L	Outer_Full	-33.16	PASS
N5	15	10	DFT-QPSK	L	Edge_1RB_Left	-27.56	PASS
N5	15	10	DFT-QPSK	H	Outer_Full	-23.49	PASS
N5	15	10	DFT-QPSK	H	Edge_1RB_Right	-27.20	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	-31.09	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Left	-33.17	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	-31.39	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Right	-34.06	PASS

Test Graphs



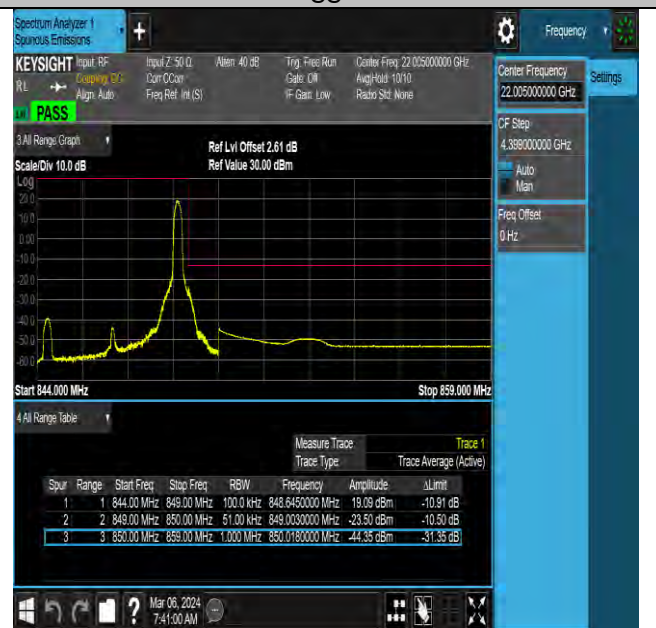
NTNV-N5-PC3-15-5-L-DFT-QPSK-Outer_Full-Ant0-PASS



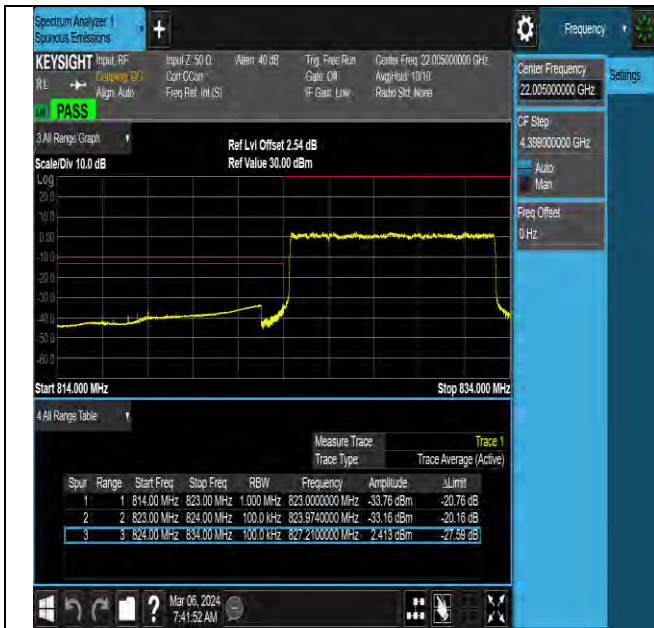
NTNV-N5-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



NTNV-N5-PC3-15-5-H-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-5-H-DFT-QPSK-Edge_1RB_Right-Ant0-PASS



NTNV-N5-PC3-15-10-L-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



NTNV-N5-PC3-15-10-H-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-10-H-DFT-QPSK-Edge_1RB_Right-Ant0-
PASS



Test Report No.: PSU-QSU2312140113RF07



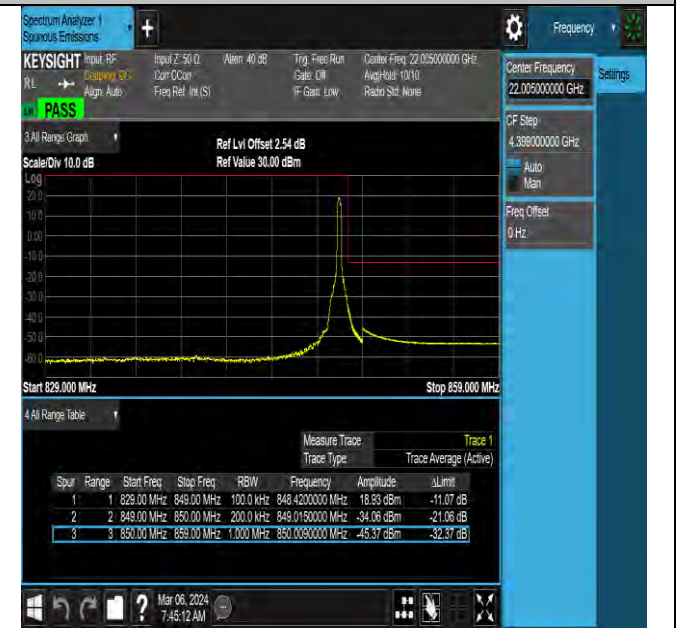
NTNV-N5-PC3-15-20-L-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA SS



NTNV-N5-PC3-15-20-H-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N5-PC3-15-20-H-DFT-QPSK-Edge_1RB_Right-Ant0-PASS



Test Report No.: PSU-QSU2312140113RF07

CONDUCTED SPURIOUS EMISSION FOR SA

Test Result

Band	SCS	Band width	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N5	15	5	DFT-QPSK	L	Edge_1RB_Left	0.009	0.15	-60.13	-33	PASS
N5	15	5	DFT-QPSK	L	Edge_1RB_Left	0.15	30	-58.92	-23	PASS
N5	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-45.98	-13	PASS
N5	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	9000	-39.96	-13	PASS
N5	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.65	-13	PASS
N5	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	9000	-38.74	-13	PASS
N5	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-56.70	-13	PASS
N5	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	9000	-40.14	-13	PASS
N5	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-49.48	-13	PASS
N5	15	10	DFT-QPSK	L	Edge_1RB_Left	1000	9000	-40.06	-13	PASS
N5	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.79	-13	PASS
N5	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	9000	-31.38	-13	PASS
N5	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.86	-13	PASS
N5	15	10	DFT-QPSK	H	Edge_1RB_Left	1000	9000	-39.90	-13	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-46.29	-13	PASS
N5	15	20	DFT-QPSK	L	Edge_1RB_Left	1000	9000	-38.17	-13	PASS
N5	15	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-56.00	-13	PASS
N5	15	20	DFT-QPSK	M	Edge_1RB_Left	1000	9000	-36.87	-13	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.28	-13	PASS
N5	15	20	DFT-QPSK	H	Edge_1RB_Left	1000	9000	-40.02	-13	PASS



The figure displays four screenshots of a Spectrum Analyzer interface, arranged in a 2x2 grid. Each screenshot shows a frequency spectrum plot with a prominent signal peak. The interface includes various control panels and status indicators.

Top Left Screenshot: Spectrum Analyzer 1, Sweep SA. Center Frequency: 515.000000 MHz. Span: 970.000000 MHz. Scale/Div 10 dB. Ref Lvl Offset 2.80 dB. Ref Level 25.00 dBm. Mkr1 819.968 MHz, -45.984 dBm. Start 0.0300 GHz, #Res BW 100 kHz, #Video BW 300 kHz, Stop 1.0000 GHz, #Sweep -1.00 s (10001 pts). Signal: NTNV-N5-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA SS.

Top Right Screenshot: Spectrum Analyzer 1, Sweep SA. Center Frequency: 5.00000000 GHz. Span: 8.00000000 GHz. Scale/Div 10 dB. Ref Lvl Offset 6.73 dB. Ref Level 25.00 dBm. Mkr1 3.792 8 GHz, -39.961 dBm. Start 1.000 GHz, #Res BW 1.0 MHz, #Video BW 3.0 MHz, Stop 9.000 GHz, #Sweep -1.00 s (10001 pts). Signal: NTNV-N5-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA SS.

Bottom Left Screenshot: Spectrum Analyzer 1, Sweep SA. Center Frequency: 515.000000 MHz. Span: 970.000000 MHz. Scale/Div 10 dB. Ref Lvl Offset 2.80 dB. Ref Level 25.00 dBm. Mkr1 886.510 MHz, -57.651 dBm. Start 0.0300 GHz, #Res BW 100 kHz, #Video BW 300 kHz, Stop 1.0000 GHz, #Sweep -1.00 s (10001 pts). Signal: NTNV-N5-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant0-PA SS.

Bottom Right Screenshot: Spectrum Analyzer 1, Sweep SA. Center Frequency: 5.00000000 GHz. Span: 8.00000000 GHz. Scale/Div 10 dB. Ref Lvl Offset 6.73 dB. Ref Level 25.00 dBm. Mkr1 2.503 2 GHz, -38.739 dBm. Start 1.000 GHz, #Res BW 1.0 MHz, #Video BW 3.0 MHz, Stop 9.000 GHz, #Sweep -1.00 s (10001 pts). Signal: NTNV-N5-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant0-PA SS.



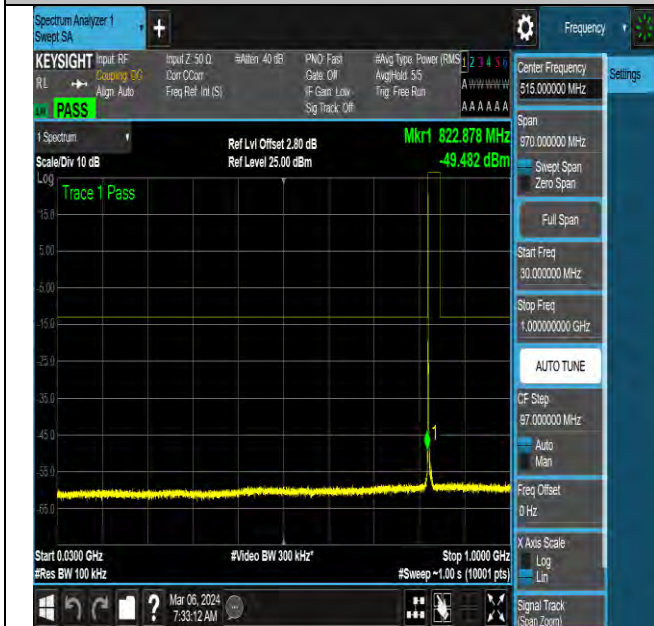
Test Report No.: PSU-QSU2312140113RF07



NTNV-N5-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



NTNV-N5-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



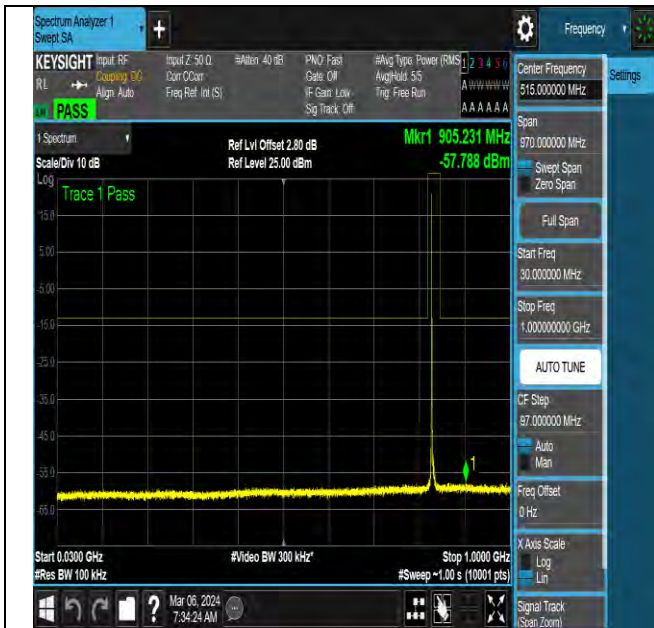
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SS



NTNV-N5-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



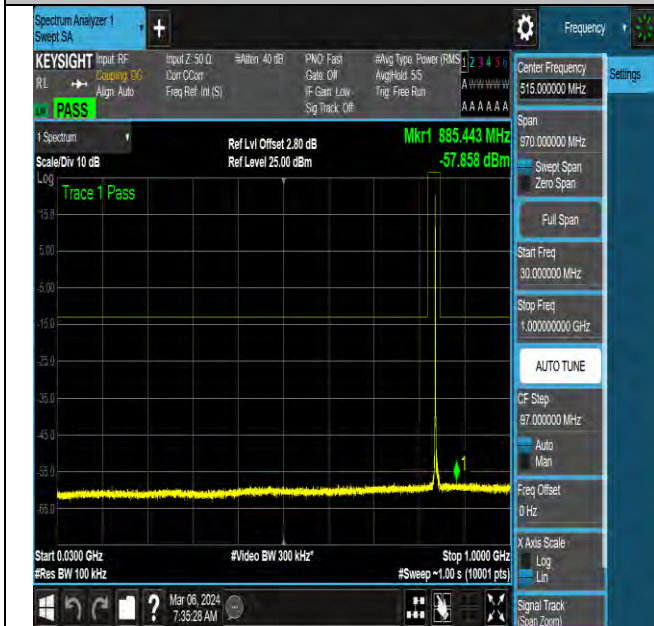
Test Report No.: PSU-QSU2312140113RF07



NTNV-N5-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N5-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



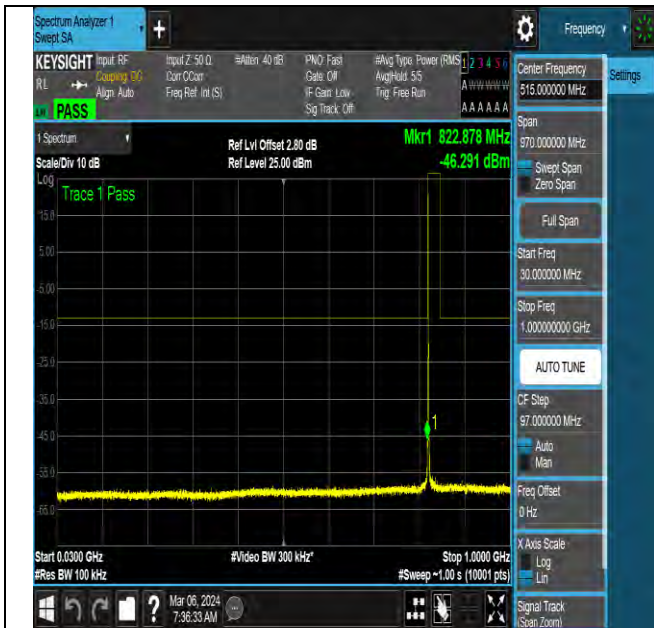
NTNV-N5-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N5-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



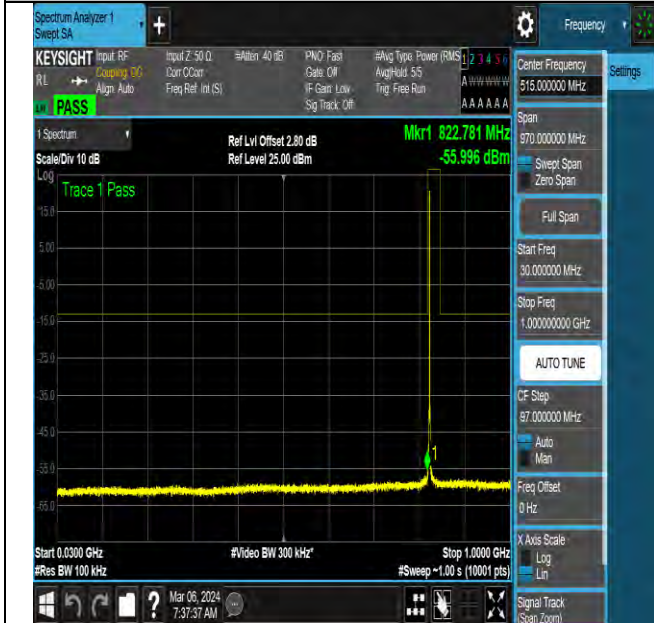
Test Report No.: PSU-QSU2312140113RF07



NTNV-N5-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



NTNV-N5-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



NTNV-N5-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS

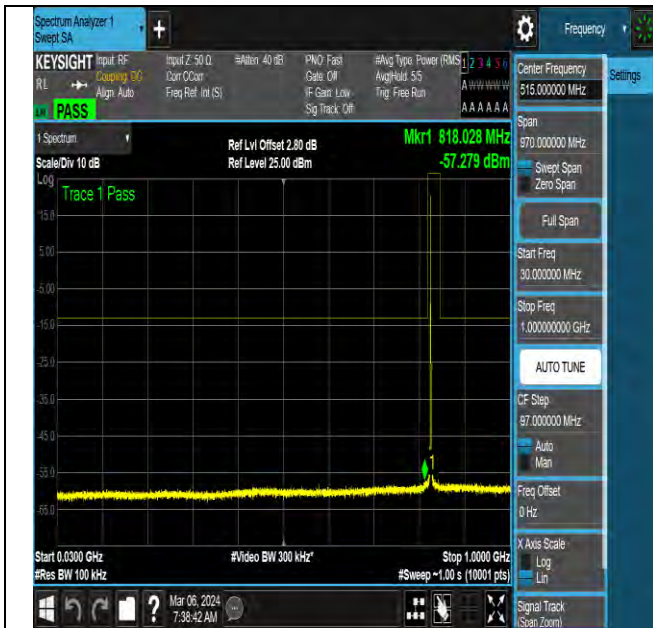


NTNV-N5-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N5-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N5-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



Test Report No.: PSU-QSU2312140113RF07

FREQUENCY STABILITY FOR SA

Test Result

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N5	15	20	DFT-QPSK	L	Outer_Full	VL	NT	18.000000	0.021583	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	VN	NT	11.000000	0.013189	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	VH	NT	2.000000	0.002398	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-30	13.000000	0.015588	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-20	2.000000	0.002398	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	-10	13.000000	0.015588	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	0	4.000000	0.004796	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	10	11.000000	0.013189	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	20	17.000000	0.020384	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	30	12.000000	0.014388	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	40	19.000000	0.022782	PASS
N5	15	20	DFT-QPSK	L	Outer_Full	NV	50	18.000000	0.021583	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VL	NT	16.000000	0.019127	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VN	NT	10.000000	0.011955	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	VH	NT	2.000000	0.002391	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-30	19.000000	0.022714	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-20	14.000000	0.016736	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	-10	3.000000	0.003586	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	0	13.000000	0.015541	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	10	11.000000	0.013150	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	20	19.000000	0.022714	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	30	13.000000	0.015541	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	40	2.000000	0.002391	PASS
N5	15	20	DFT-QPSK	M	Outer_Full	NV	50	19.000000	0.022714	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VL	NT	1.000000	0.001192	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VN	NT	15.000000	0.017878	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	VH	NT	3.000000	0.003576	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-30	2.000000	0.002384	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-20	16.000000	0.019070	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	-10	11.000000	0.013111	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	0	3.000000	0.003576	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	10	2.000000	0.002384	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	20	13.000000	0.015495	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	30	11.000000	0.013111	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	40	3.000000	0.003576	PASS
N5	15	20	DFT-QPSK	H	Outer_Full	NV	50	10.000000	0.011919	PASS



Test Report No.: PSU-QSU2312140113RF07

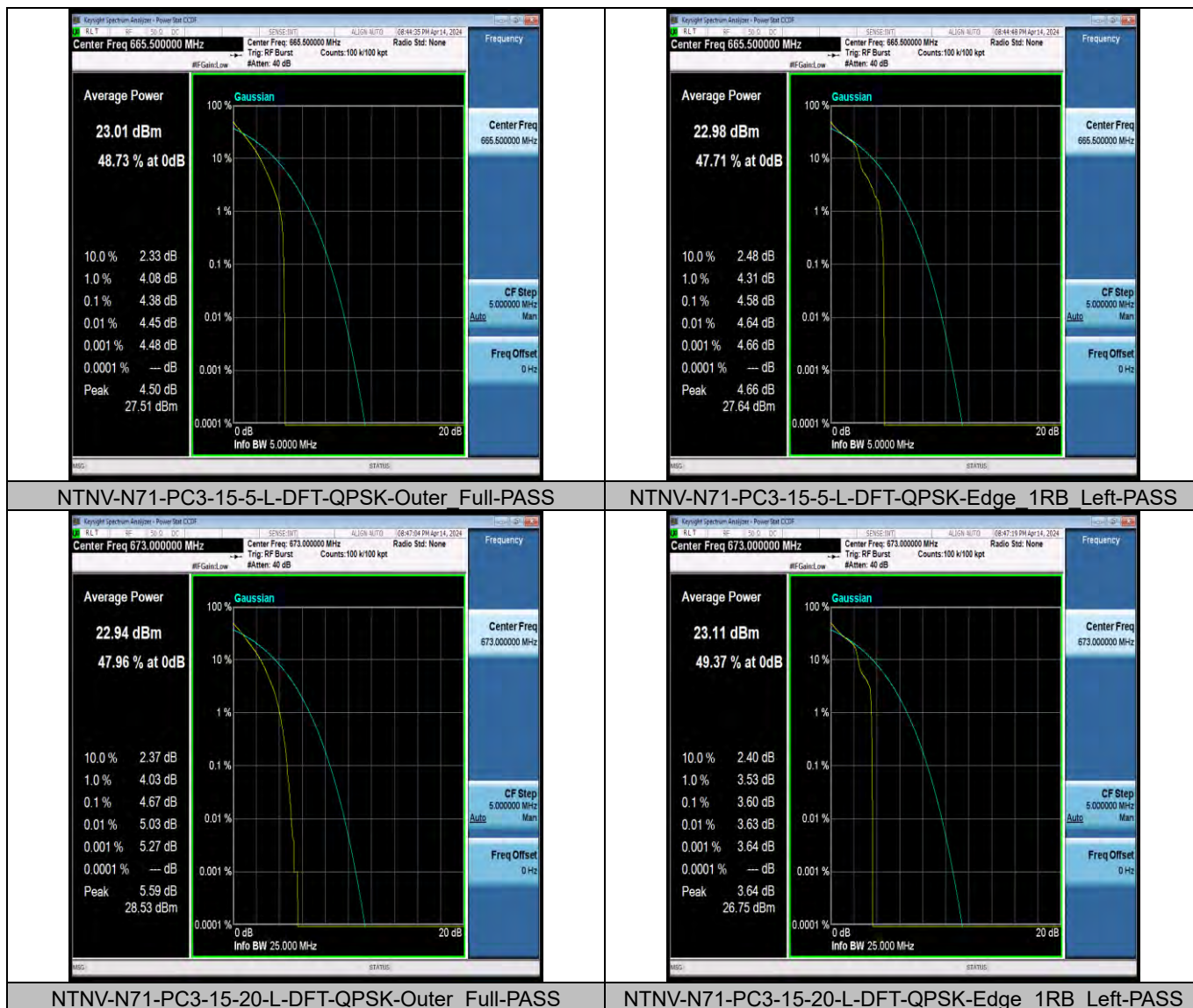
N7

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N71	15	5	DFT-QPSK	L	Outer_Full	4.38	≤ 13	PASS
N71	15	5	DFT-QPSK	L	Edge_1RB_Left	4.58	≤ 13	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	4.67	≤ 13	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Left	3.60	≤ 13	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	4.43	≤ 13	PASS
N71	15	20	DFT-QPSK	M	Edge_1RB_Left	3.50	≤ 13	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	4.46	≤ 13	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Left	3.66	≤ 13	PASS

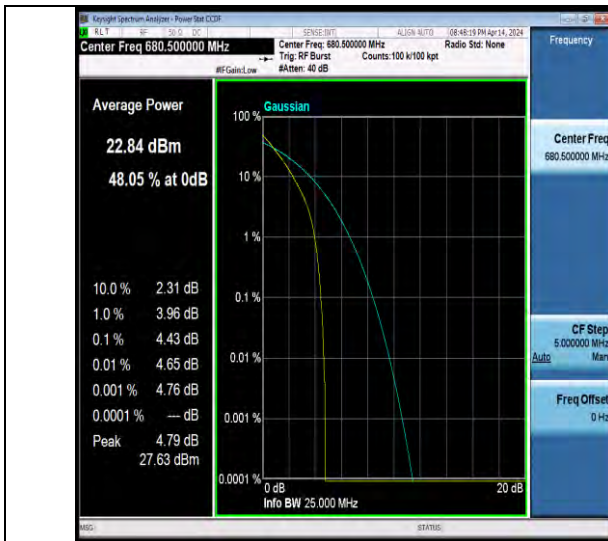
Test Graphs





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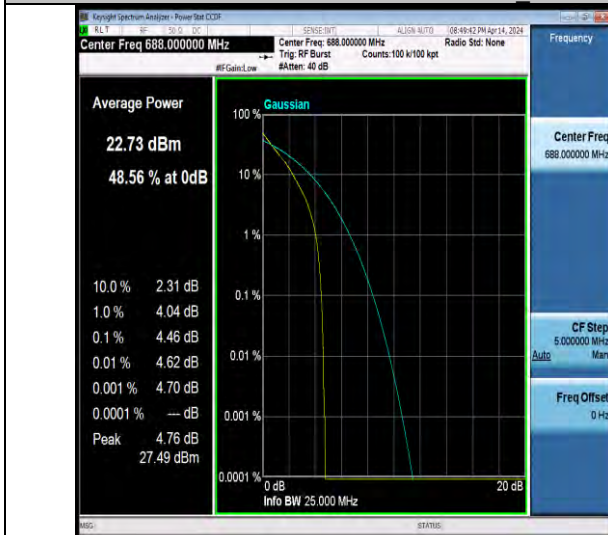
Test Report No.: PSU-QSU2312140113RF07



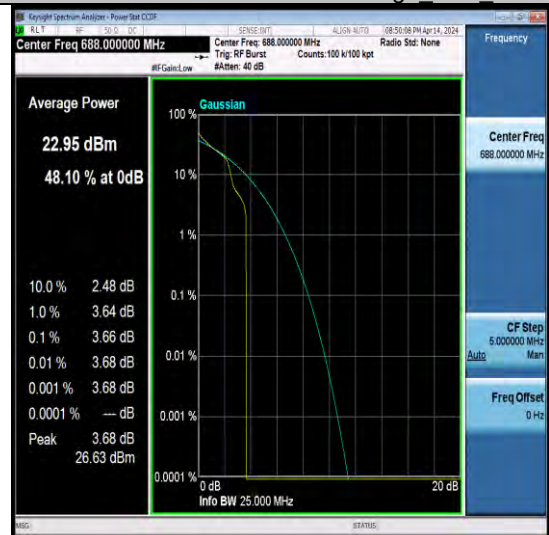
NTNV-N71-PC3-15-20-M-DFT-QPSK-Outer Full-PASS



NTNV-N71-PC3-15-20-M-DFT-QPSK-Edge 1RB Left-PASS



NTNV-N71-PC3-15-20-H-DFT-QPSK-Outer Full-PASS



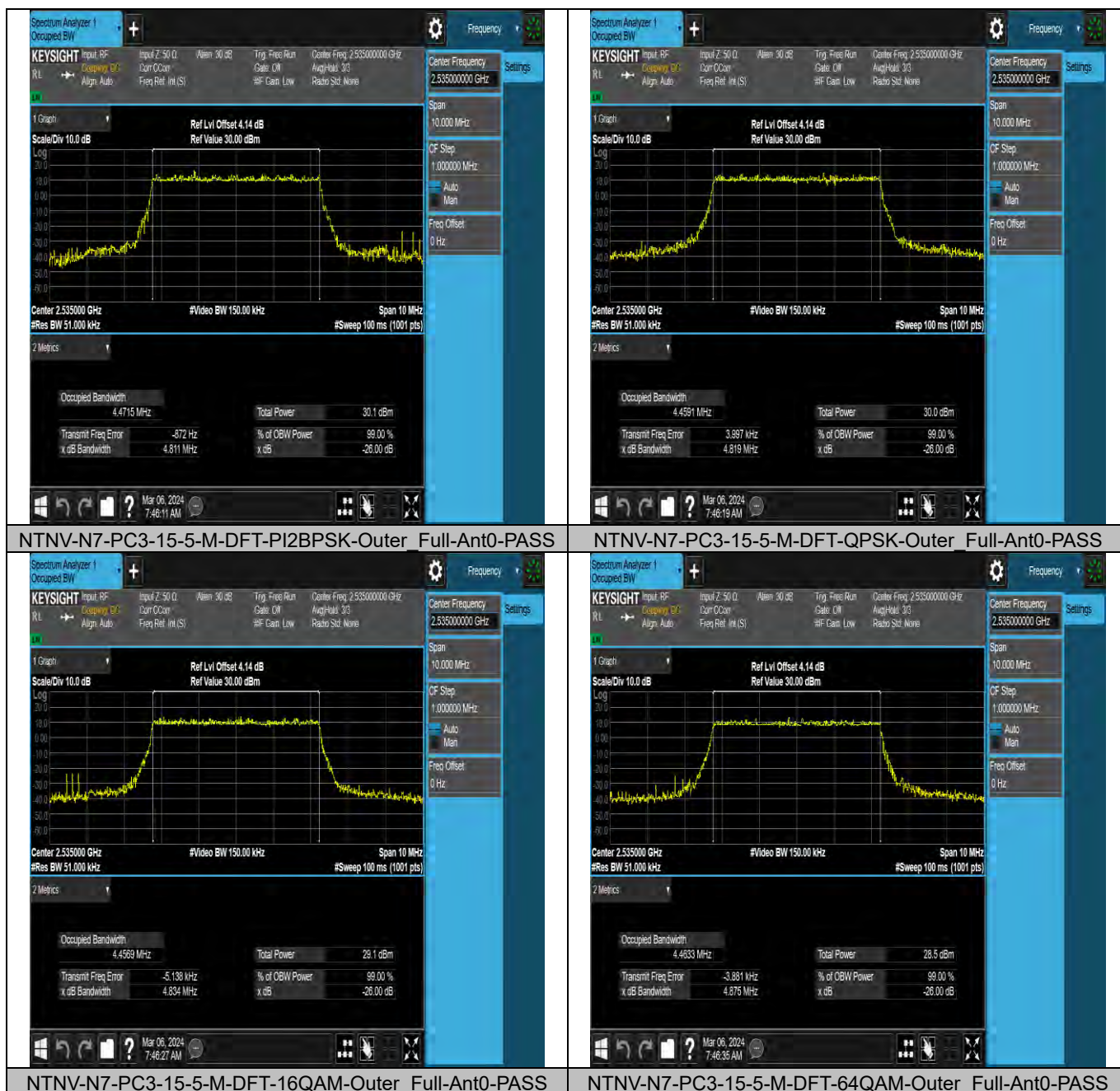
NTNV-N71-PC3-15-20-H-DFT-QPSK-Edge 1RB Left-PASS

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

Test Result

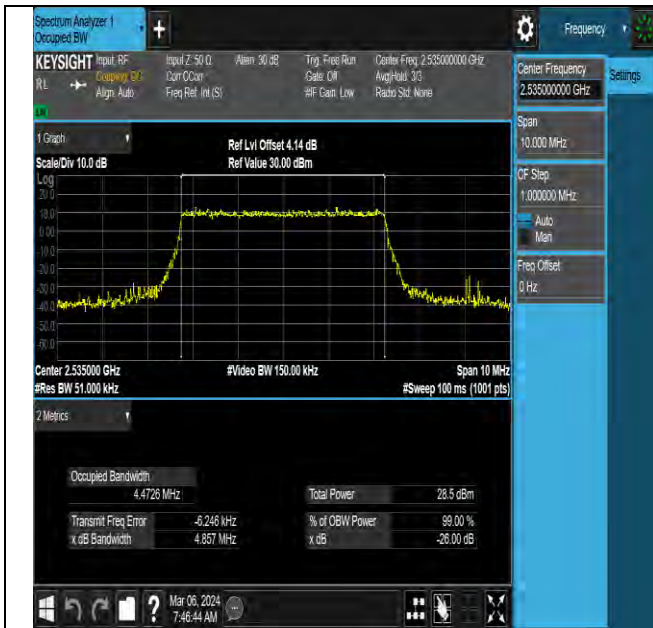
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N7	15	5	DFT-PI2BPSK	M	Outer_Full	4.4715	4.811	PASS
N7	15	5	DFT-QPSK	M	Outer_Full	4.4591	4.819	PASS
N7	15	5	DFT-16QAM	M	Outer_Full	4.4569	4.834	PASS
N7	15	5	DFT-64QAM	M	Outer_Full	4.4633	4.875	PASS
N7	15	5	DFT-256QAM	M	Outer_Full	4.4726	4.857	PASS
N7	15	10	DFT-PI2BPSK	M	Outer_Full	8.9195	9.502	PASS
N7	15	10	DFT-QPSK	M	Outer_Full	8.9085	9.466	PASS
N7	15	10	DFT-16QAM	M	Outer_Full	8.9273	9.440	PASS
N7	15	10	DFT-64QAM	M	Outer_Full	8.9119	9.343	PASS
N7	15	10	DFT-256QAM	M	Outer_Full	8.9083	9.369	PASS
N7	15	15	DFT-PI2BPSK	M	Outer_Full	13.387	14.13	PASS
N7	15	15	DFT-QPSK	M	Outer_Full	13.382	14.01	PASS
N7	15	15	DFT-16QAM	M	Outer_Full	13.400	14.13	PASS
N7	15	15	DFT-64QAM	M	Outer_Full	13.388	14.11	PASS
N7	15	15	DFT-256QAM	M	Outer_Full	13.393	14.10	PASS
N7	15	20	DFT-PI2BPSK	M	Outer_Full	17.837	18.63	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	17.873	18.65	PASS
N7	15	20	DFT-16QAM	M	Outer_Full	17.866	18.70	PASS
N7	15	20	DFT-64QAM	M	Outer_Full	17.885	18.64	PASS
N7	15	20	DFT-256QAM	M	Outer_Full	17.867	18.70	PASS

Test Graphs





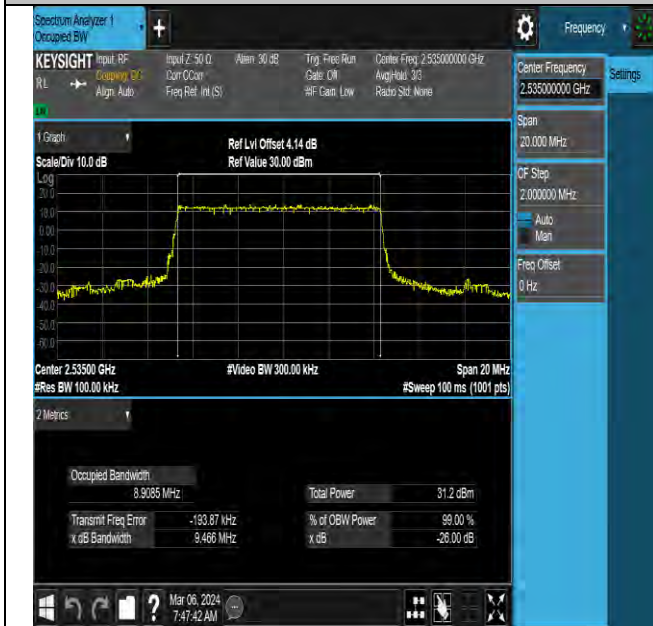
Test Report No.: PSU-QSU2312140113RF07



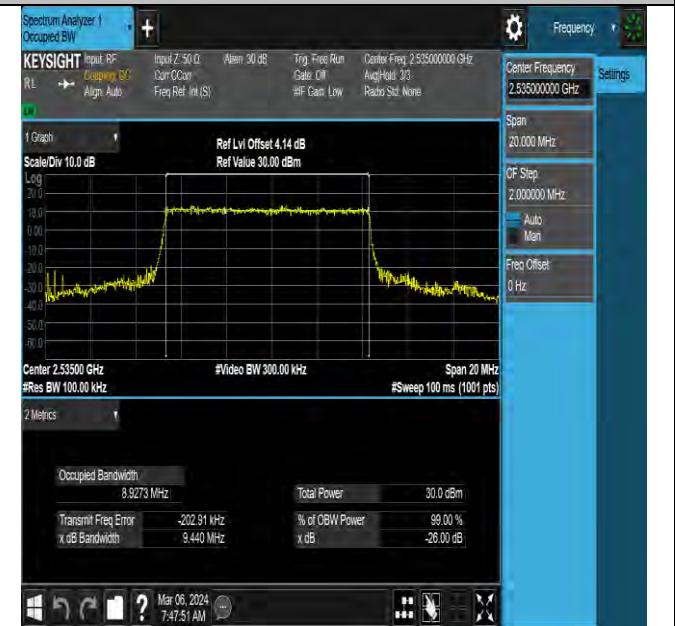
NTNV-N7-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant0-PASS



NTNV-N7-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant0-PASS



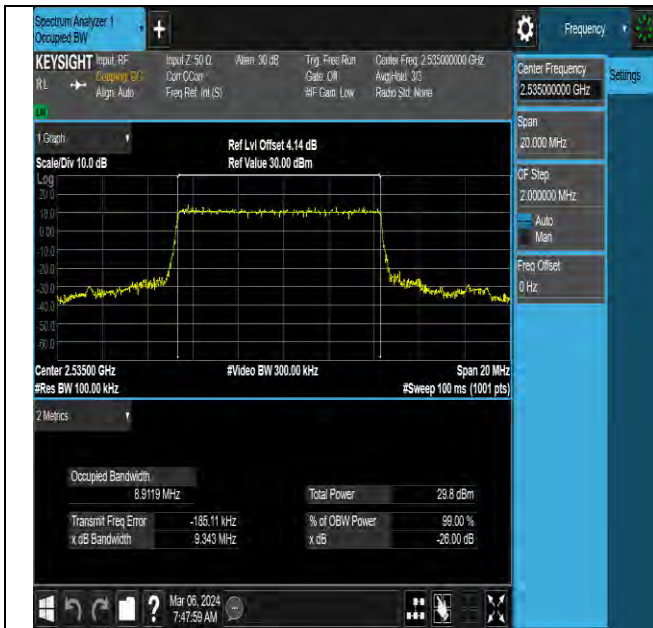
NTNV-N7-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N7-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant0-PASS



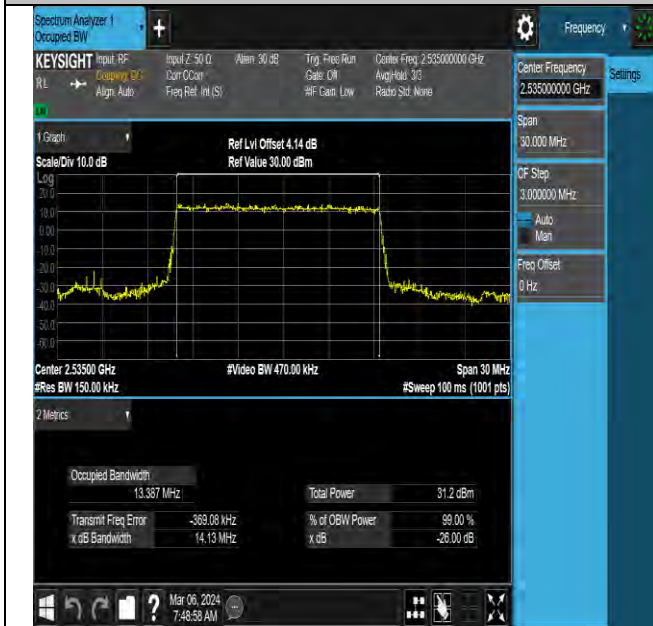
Test Report No.: PSU-QSU2312140113RF07



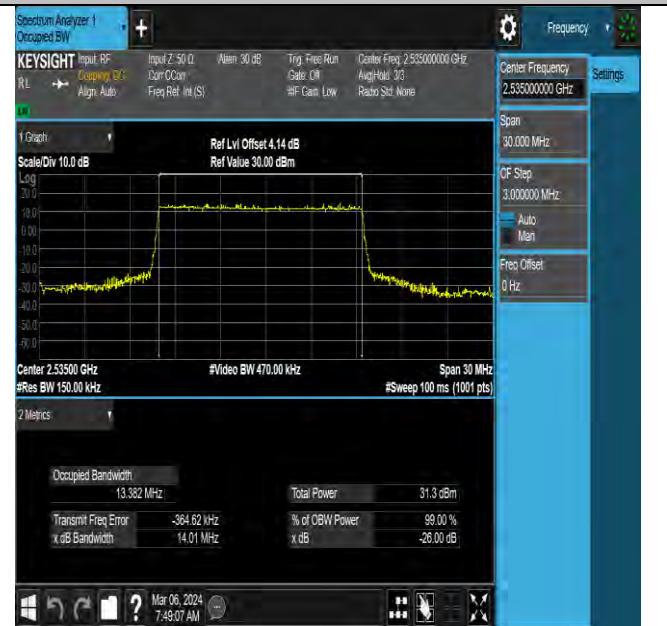
NTNV-N7-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant0-PASS



NTNV-N7-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant0-PASS



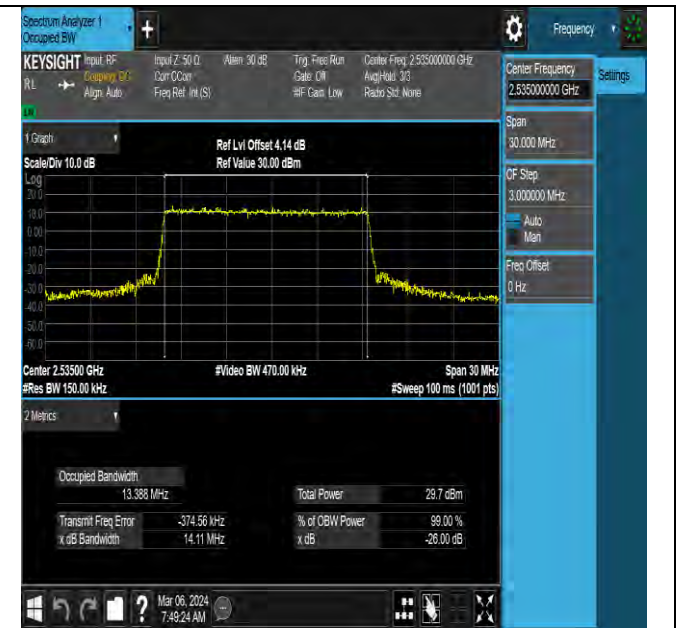
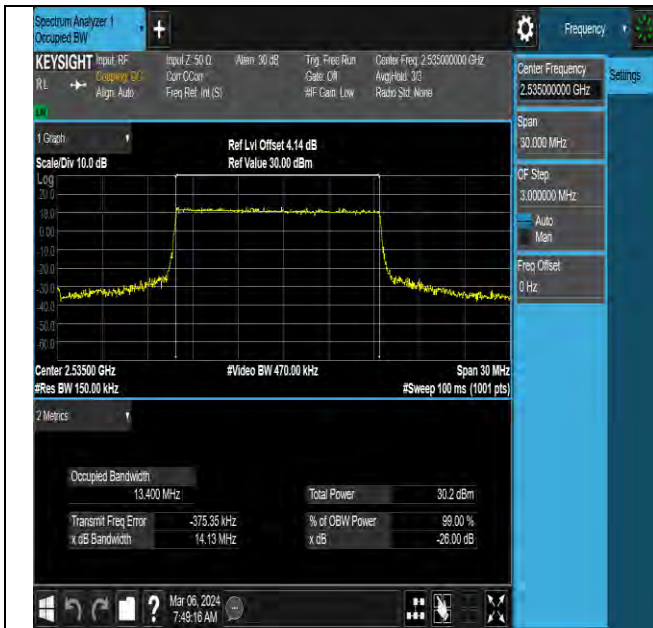
NTNV-N7-PC3-15-15-M-DFT-PI2BPSK-Outer_Full-Ant0-PASS



NTNV-N7-PC3-15-15-M-DFT-QPSK-Outer_Full-Ant0-PASS

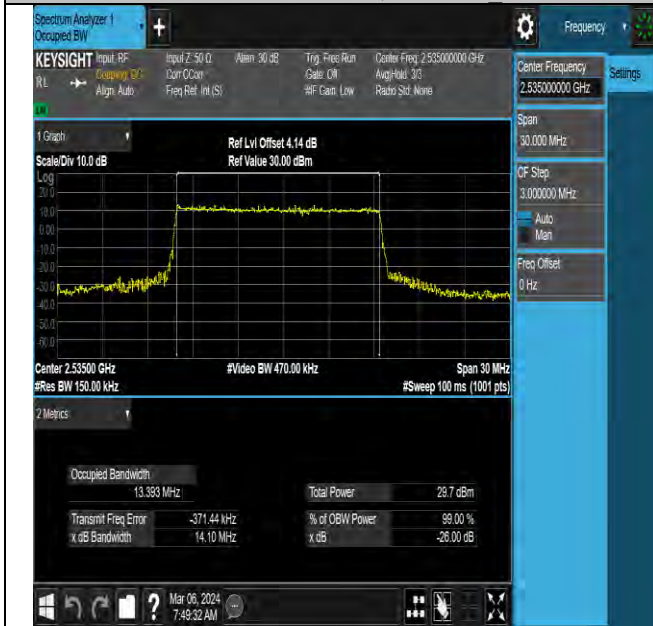


Test Report No.: PSU-QSU2312140113RF07



NTNV-N7-PC3-15-15-M-DFT-16QAM-Outer Full-Ant0-PASS

NTNV-N7-PC3-15-15-M-DFT-64QAM-Outer Full-Ant0-PASS

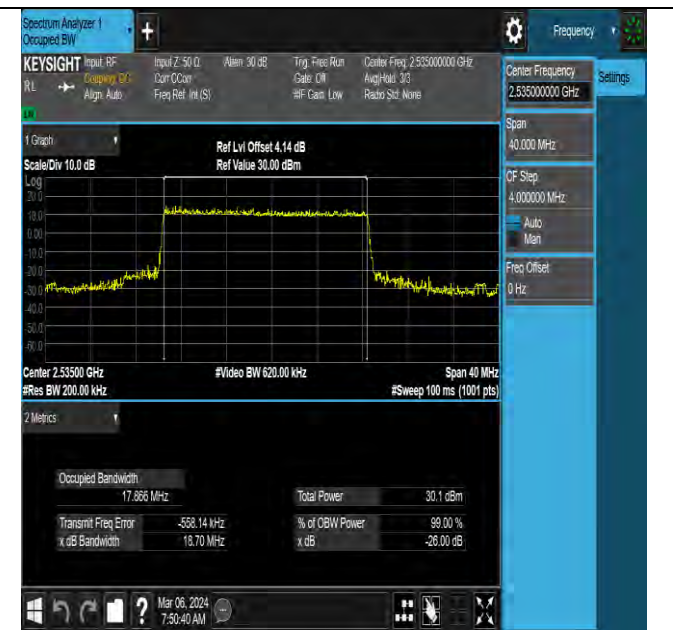
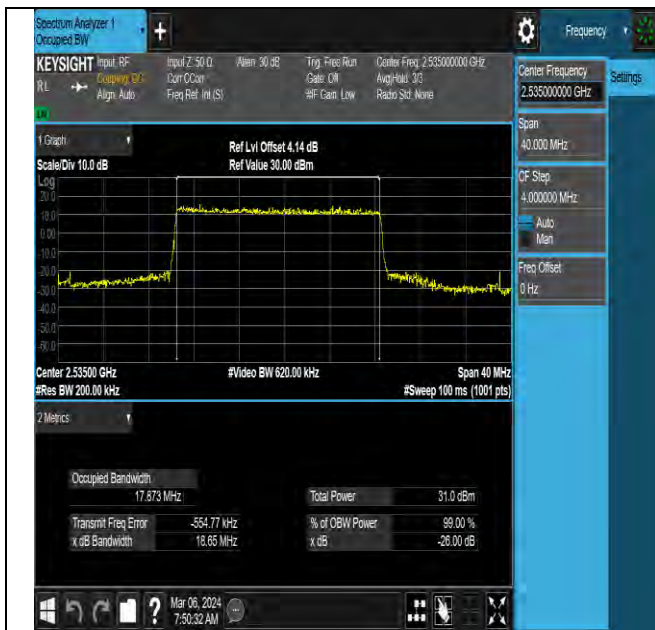


NTNV-N7-PC3-15-15-M-DFT-256QAM-Outer_Full-Ant0-PASS

NTNV-N7-PC3-15-20-M-DFT-P12BPSK-Outer_Full-Ant0-PASS

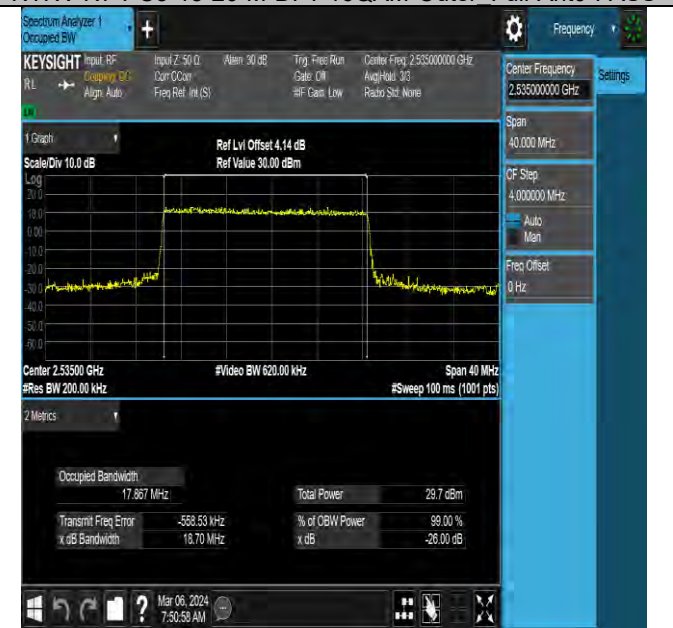


Test Report No.: PSU-QSU2312140113RF07



NTNV-N7-PC3-15-20-M-DFT-QPSK-Outter_Full-Ant0-PASS

NTNV-N7-PC3-15-20-M-DFT-16QAM-Outter_Full-Ant0-PASS



NTNV-N7-PC3-15-20-M-DFT-64QAM-Outter_Full-Ant0-PASS

NTNV-N7-PC3-15-20-M-DFT-256QAM-Outter_Full-Ant0-PASS



Test Report No.: PSU-QSU2312140113RF07

BAND EDGE FOR SA

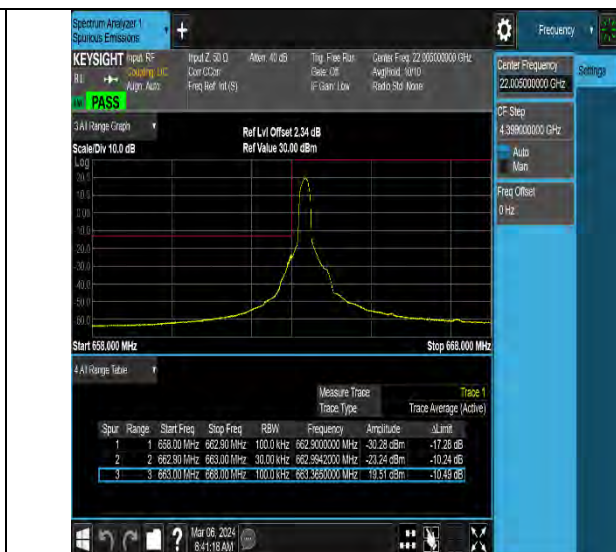
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N71	15	5	DFT-QPSK	L	Outer_Full	-33.79	PASS
N71	15	5	DFT-QPSK	L	Edge_1RB_Left	-23.24	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	-33.45	PASS
N71	15	5	DFT-QPSK	H	Edge_1RB_Right	-24.24	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	-31.09	PASS
N71	15	10	DFT-QPSK	L	Edge_1RB_Left	-25.12	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	-37.48	PASS
N71	15	10	DFT-QPSK	H	Edge_1RB_Right	-26.17	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	-37.08	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Left	-30.99	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	-40.01	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Right	-33.47	PASS

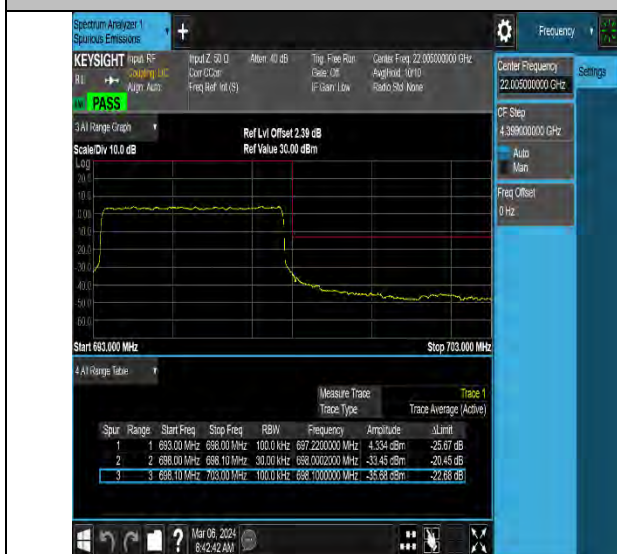
Test Graphs



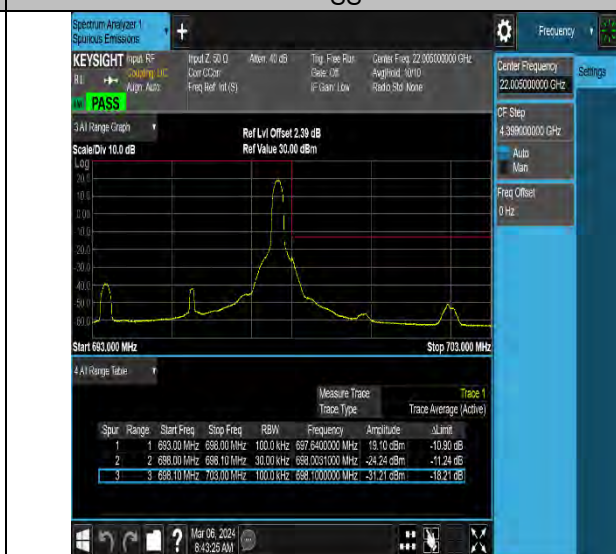
NTNV-N71-PC3-15-5-L-DFT-QPSK-Outer_Full-Ant0-PASS



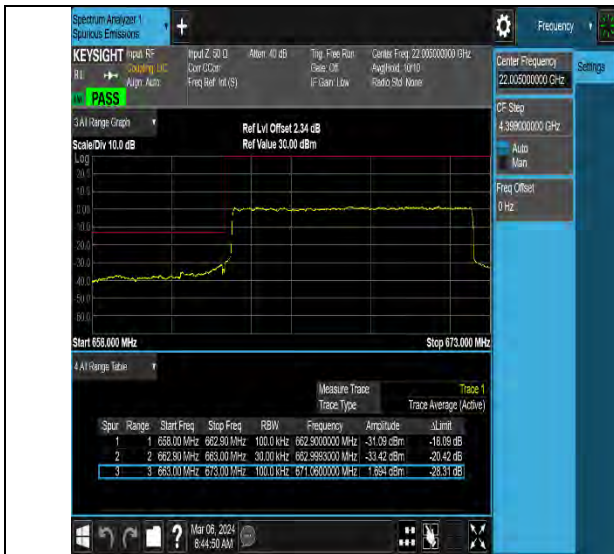
NTNV-N71-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



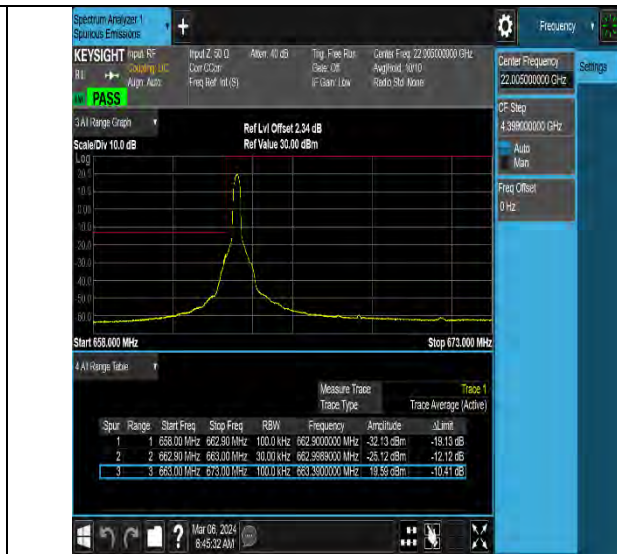
NTNV-N71-PC3-15-5-H-DFT-QPSK-Outer_Full-Ant0-PASS



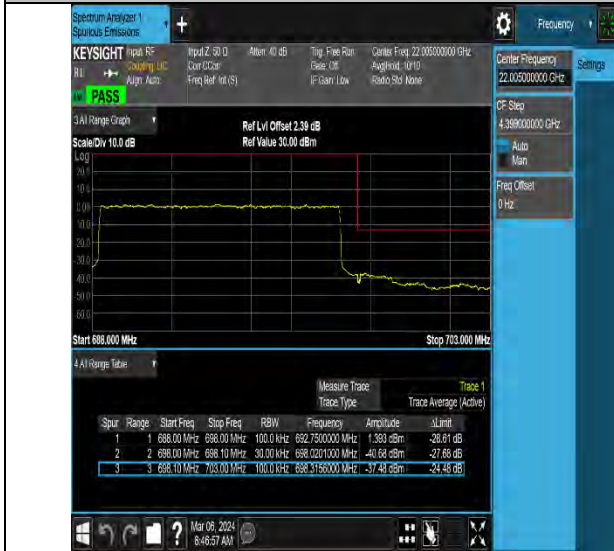
NTNV-N71-PC3-15-5-H-DFT-QPSK-Edge_1RB_Right-Ant0-
PASS



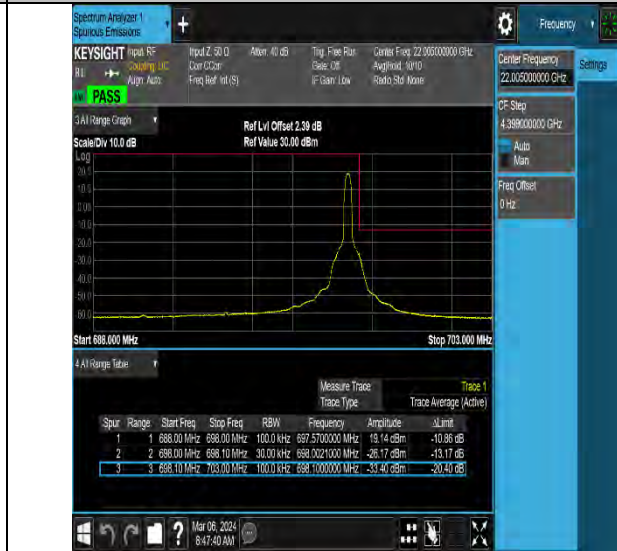
NTNV-N71-PC3-15-10-L-DFT-QPSK-Outer_Full-Ant0-PASS



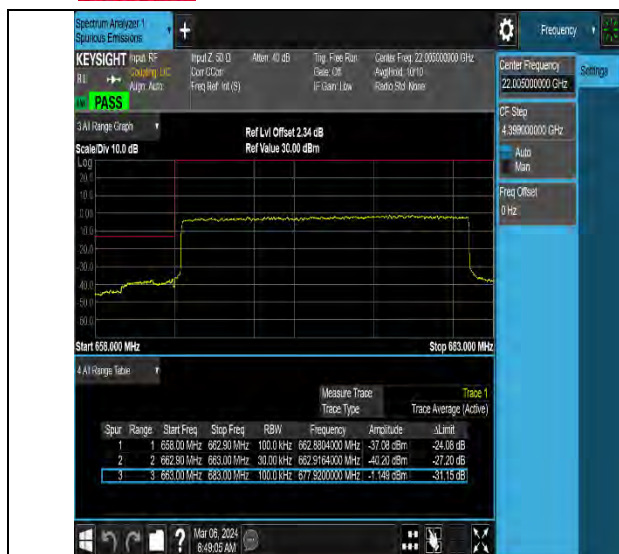
NTNV-N71-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



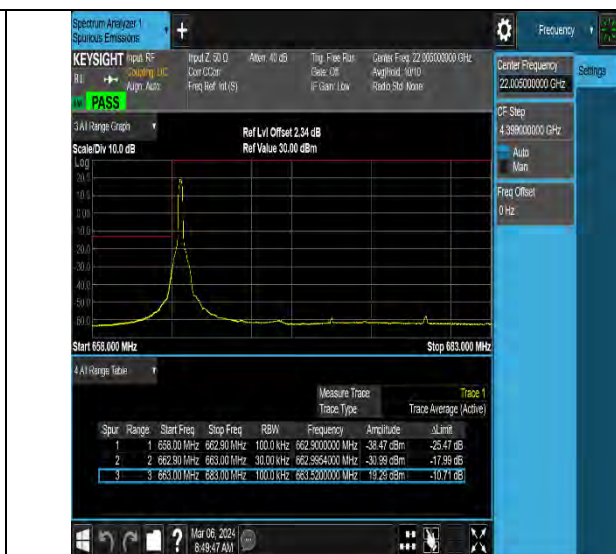
NTNV-N71-PC3-15-10-H-DFT-QPSK-Outer_Full-Ant0-PASS



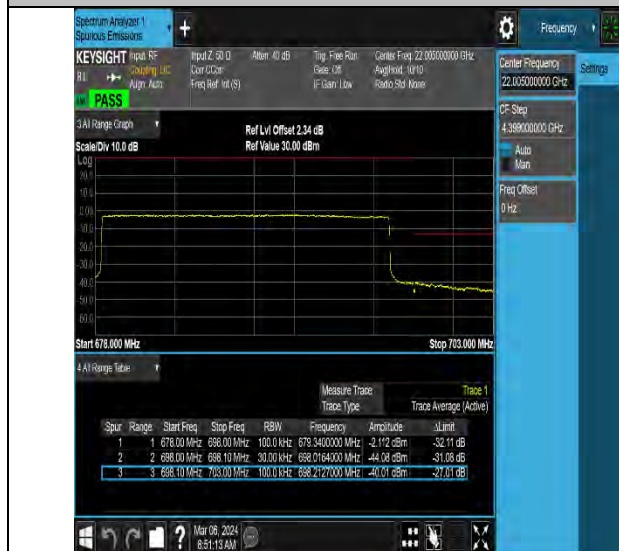
NTNV-N71-PC3-15-10-H-DFT-QPSK-Edge_1RB_Right-Ant0
-PASS



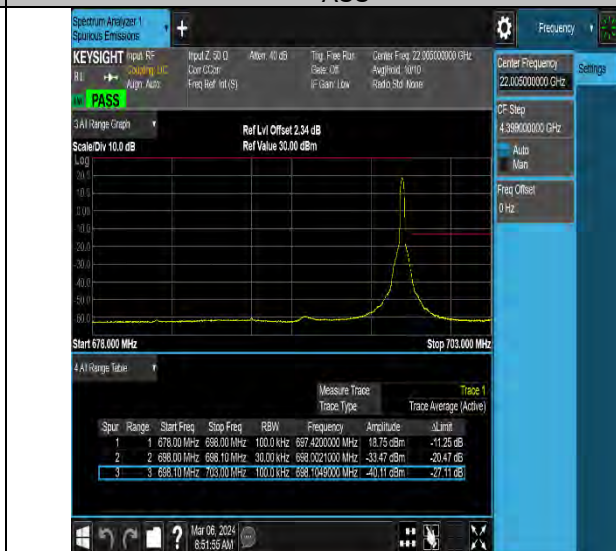
NTNV-N71-PC3-15-20-L-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N71-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N71-PC3-15-20-H-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N71-PC3-15-20-H-DFT-QPSK-Edge_1RB_Right-Ant0
-PASS



Test Report No.: PSU-QSU2312140113RF07

CONDUCTED SPURIOUS EMISSION FOR SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N7	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.98	-25	PASS
N7	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.90	-25	PASS
N7	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.96	-25	PASS
N7	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.95	-25	PASS
N7	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.98	-25	PASS
N7	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.80	-25	PASS
N7	15	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.90	-25	PASS
N7	15	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.87	-25	PASS
N7	15	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.81	-25	PASS

Test Graphs



NTNV-N7-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



NTNV-N7-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



NTNV-N7-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



NTNV-N7-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N7-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N7-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N7-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



NTNV-N7-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



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Test Report No.: PSU-QSU2312140113RF07



NTNV-N7-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



Test Report No.: PSU-QSU2312140113RF07

FREQUENCY STABILITY FOR SA

Test Result

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N7	15	20	DFT-QPSK	L	Outer_Full	VL	NT	11.000000	0.004382	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	VN	NT	11.000000	0.004382	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	VH	NT	3.000000	0.001195	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	-30	13.000000	0.005179	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	-20	2.000000	0.000797	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	-10	19.000000	0.007570	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	0	14.000000	0.005578	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	10	3.000000	0.001195	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	20	1.000000	0.000398	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	30	15.000000	0.005976	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	40	14.000000	0.005578	PASS
N7	15	20	DFT-QPSK	L	Outer_Full	NV	50	18.000000	0.007171	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	VL	NT	4.000000	0.001578	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	VN	NT	11.000000	0.004339	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	VH	NT	9.000000	0.003550	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	-30	5.000000	0.001971	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	-20	4.000000	0.001578	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	-10	14.000000	0.005523	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	0	9.000000	0.003550	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	10	1.000000	0.000394	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	20	8.000000	0.003156	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	30	7.000000	0.002761	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	40	14.000000	0.005523	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	NV	50	9.000000	0.003550	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	VL	NT	10.000000	0.003906	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	VN	NT	12.000000	0.004688	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	VH	NT	19.000000	0.007422	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	-30	18.000000	0.007031	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	-20	6.000000	0.002344	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	-10	4.000000	0.001563	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	0	15.000000	0.005859	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	10	7.000000	0.002734	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	20	5.000000	0.001953	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	30	12.000000	0.004688	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	40	19.000000	0.007422	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	NV	50	11.000000	0.004297	PASS



Test Report No.: PSU-QSU2312140113RF07

N25 (INCLUDING N2)

PEAK-TO-AVERAGE RATIO(CCDF)

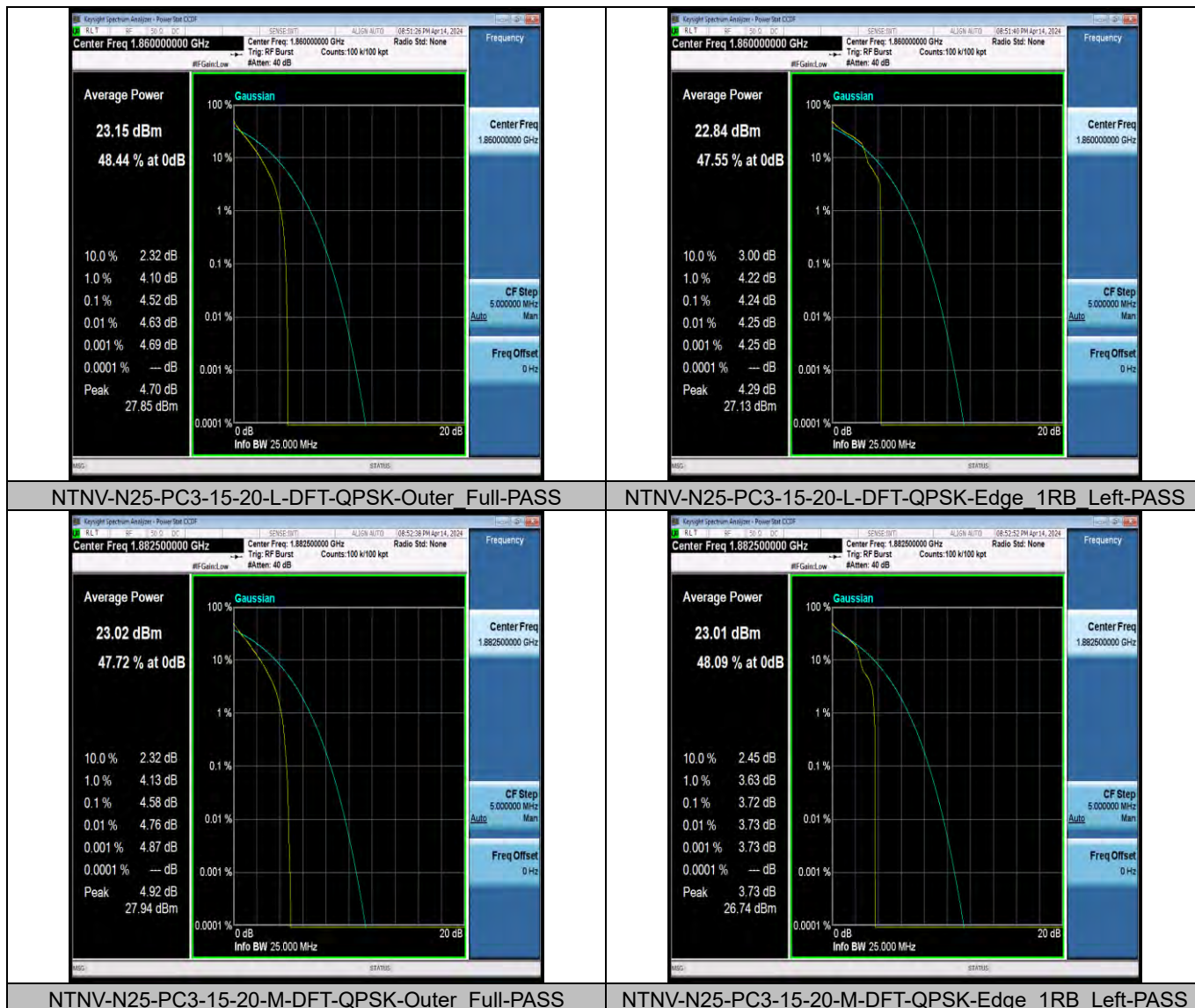
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N25	15	20	DFT-QPSK	L	Outer_Full	4.52	≤ 13	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	4.24	≤ 13	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	4.58	≤ 13	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Left	3.72	≤ 13	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	4.72	≤ 13	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Left	3.94	≤ 13	PASS



Test Report No.: PSU-QSU2312140113RF07

Test Graphs



Huarui 7layers High Technology
(Suzhou) Co., Ltd.

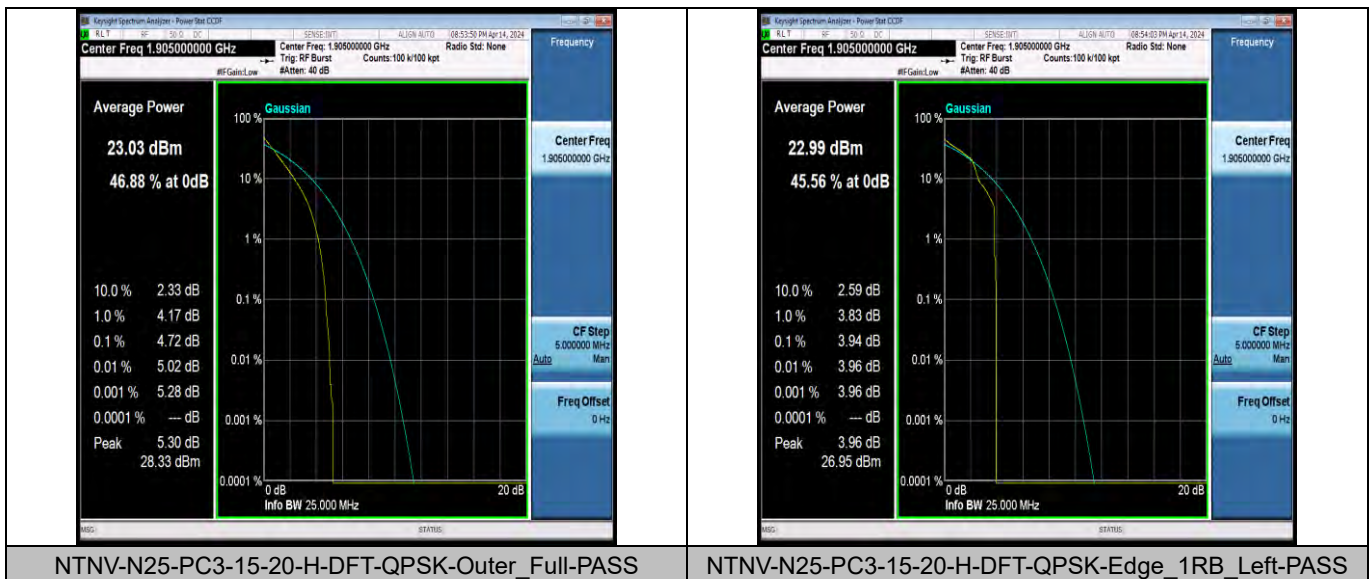
Tower N, Innovation Center, 88 Zuyi Road,
High-tech District, Suzhou City, Anhui Province

Tel: +86 (0557) 368 1008



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Test Report No.: PSU-QSU2312140113RF07

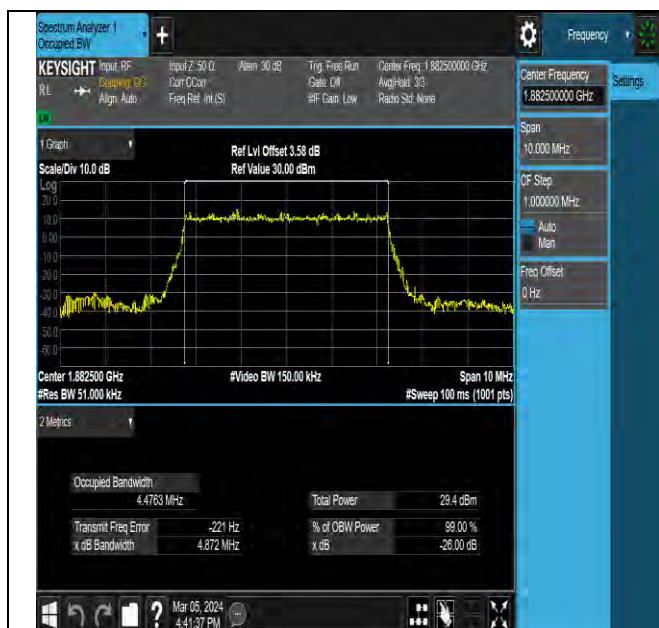


26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

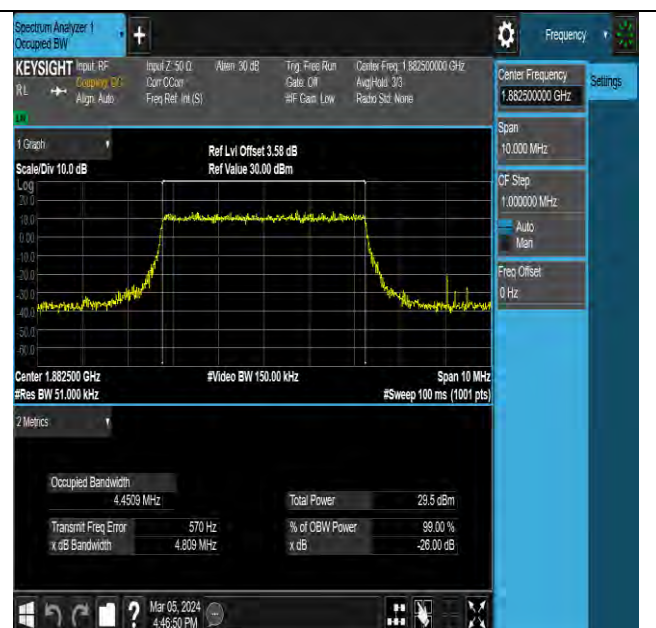
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N25	15	5	DFT-PI2BPSK	M	Outer_Full	4.4763	4.872	PASS
N25	15	5	DFT-QPSK	M	Outer_Full	4.4509	4.809	PASS
N25	15	5	DFT-16QAM	M	Outer_Full	4.4607	4.853	PASS
N25	15	5	DFT-64QAM	M	Outer_Full	4.4701	4.837	PASS
N25	15	5	DFT-256QAM	M	Outer_Full	4.4775	4.859	PASS
N25	15	10	DFT-PI2BPSK	M	Outer_Full	8.9129	9.453	PASS
N25	15	10	DFT-QPSK	M	Outer_Full	8.9149	9.447	PASS
N25	15	10	DFT-16QAM	M	Outer_Full	8.9198	9.392	PASS
N25	15	10	DFT-64QAM	M	Outer_Full	8.9123	9.542	PASS
N25	15	10	DFT-256QAM	M	Outer_Full	8.9169	9.424	PASS
N25	15	15	DFT-PI2BPSK	M	Outer_Full	13.389	14.14	PASS
N25	15	15	DFT-QPSK	M	Outer_Full	13.401	14.11	PASS
N25	15	15	DFT-16QAM	M	Outer_Full	13.404	14.18	PASS
N25	15	15	DFT-64QAM	M	Outer_Full	13.390	14.08	PASS
N25	15	15	DFT-256QAM	M	Outer_Full	13.396	14.08	PASS
N25	15	20	DFT-PI2BPSK	M	Outer_Full	17.865	18.58	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	17.880	18.64	PASS
N25	15	20	DFT-16QAM	M	Outer_Full	17.909	18.65	PASS
N25	15	20	DFT-64QAM	M	Outer_Full	17.867	18.70	PASS
N25	15	20	DFT-256QAM	M	Outer_Full	17.871	18.64	PASS

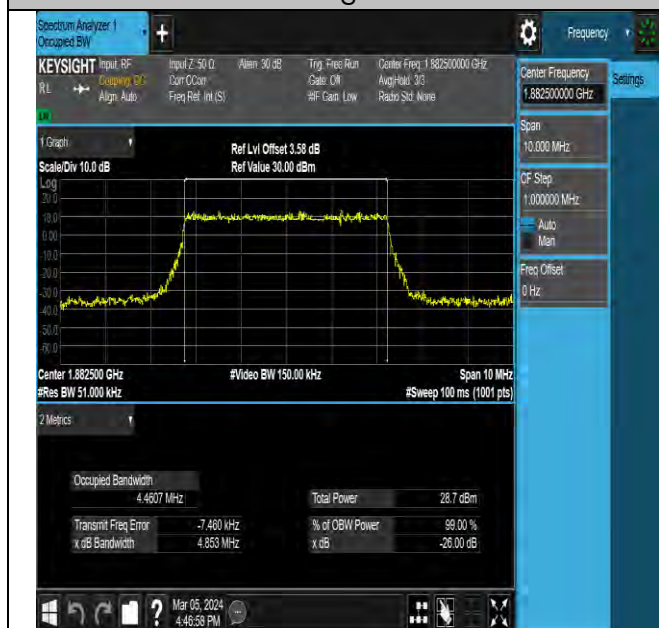
Test Graphs



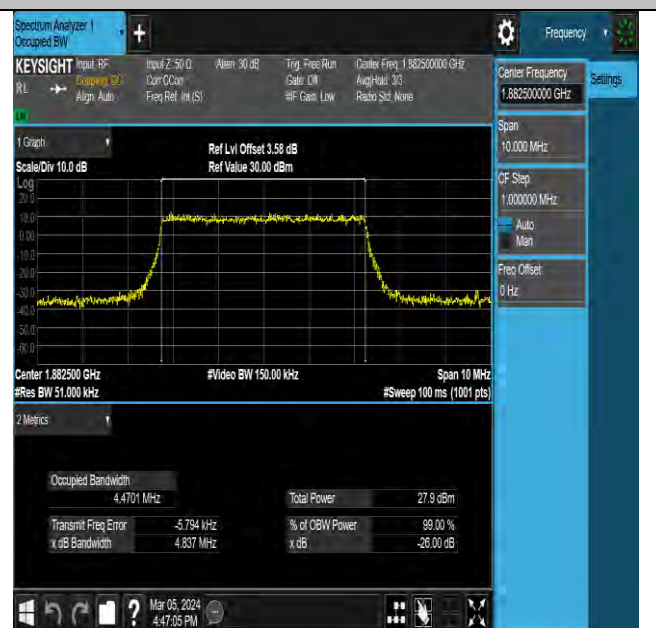
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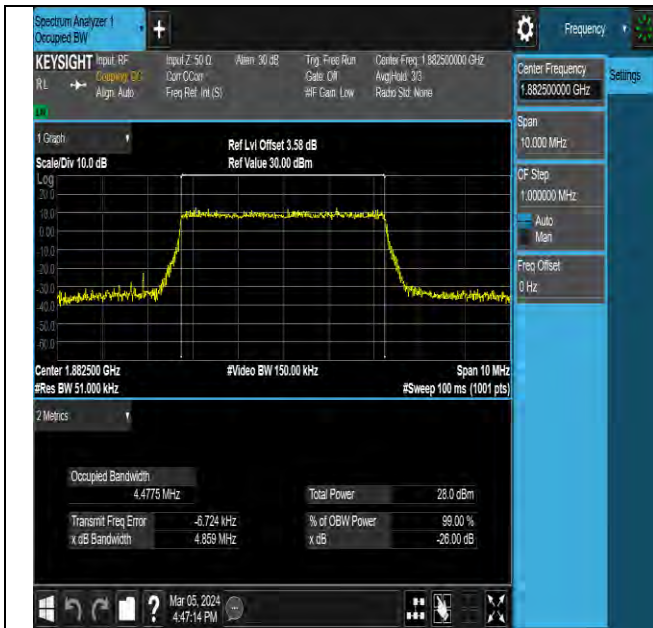
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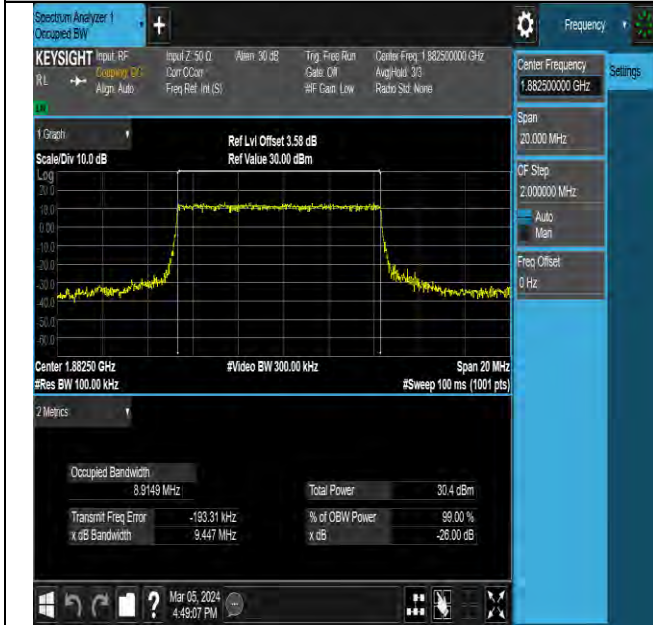
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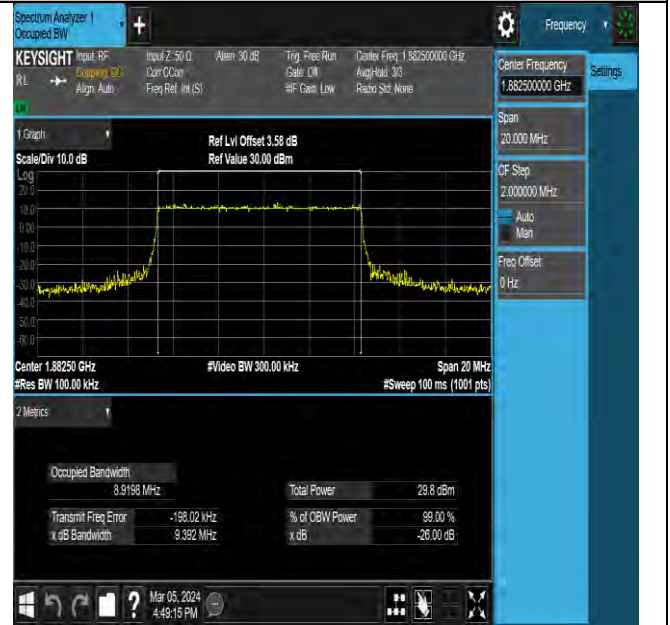
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NTNV-N25-PC3-15-10-M-DFT-P12BPSK-Outet_Full-Ant0-PA
SS



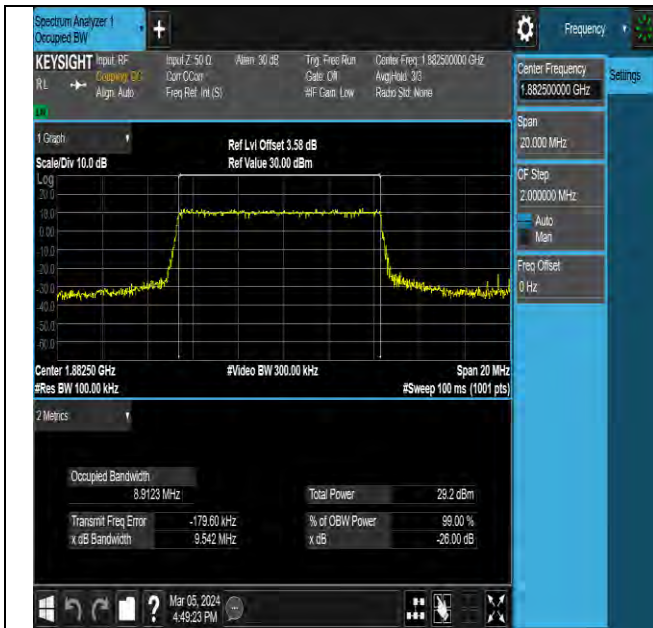
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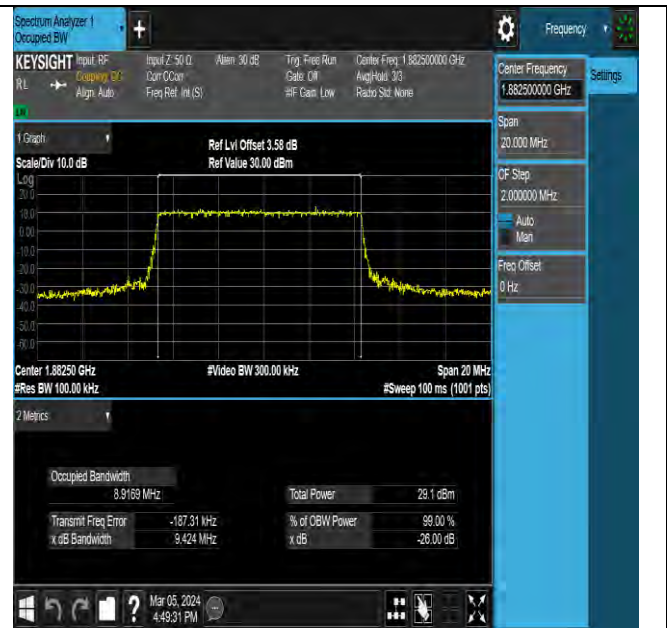
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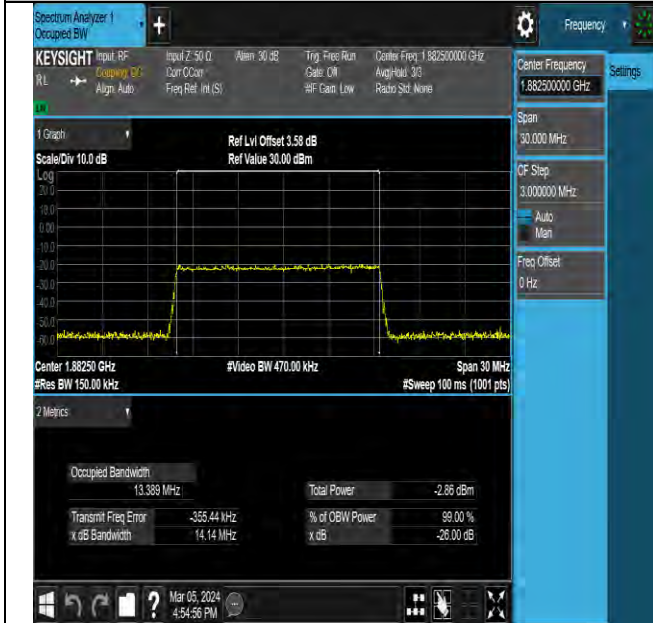
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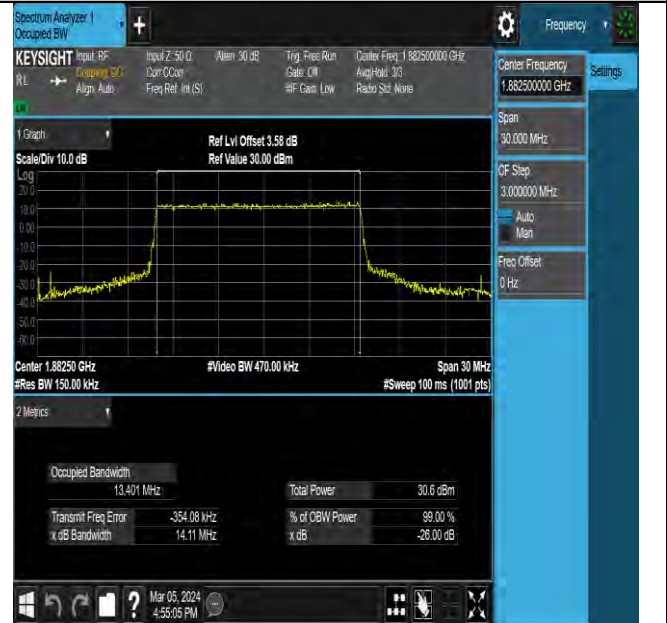
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SS



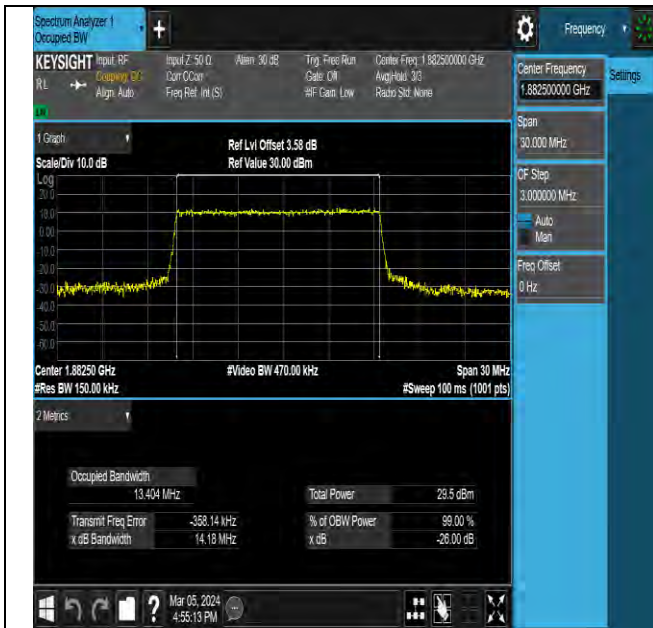
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SS



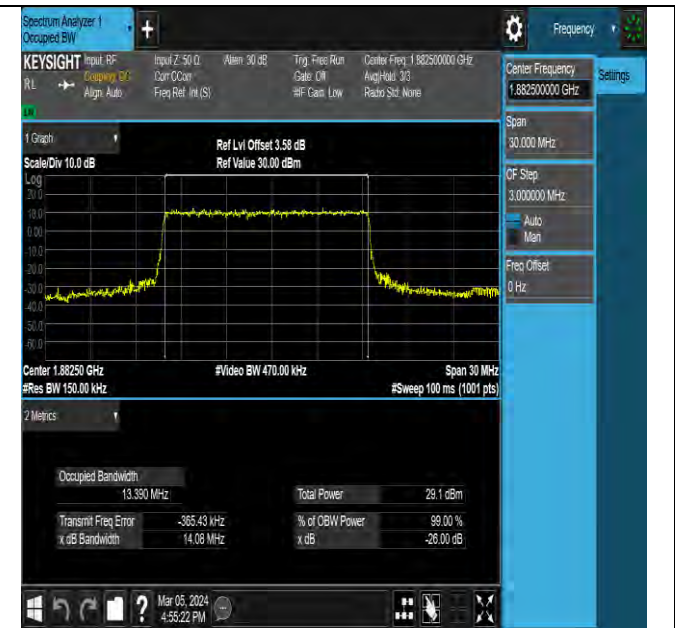
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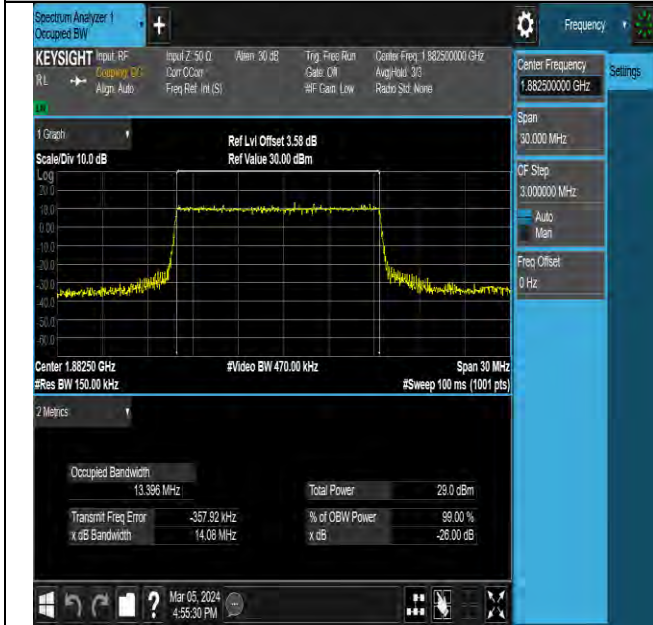
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S



NTNV-N25-PC3-15-15-M-DFT-64QAM-Outer_Full-Ant0-PAS
S



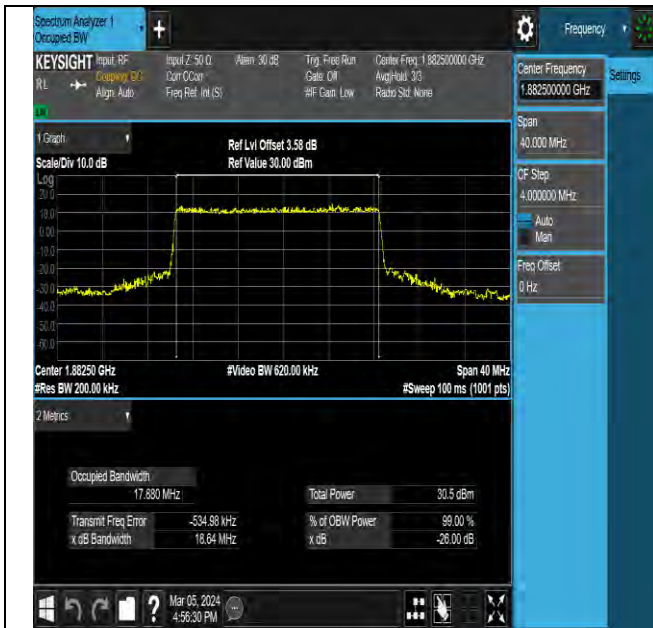
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SS



NTNV-N25-PC3-15-20-M-DFT-P12BPSK-Outer_Full-Ant0-PA
SS



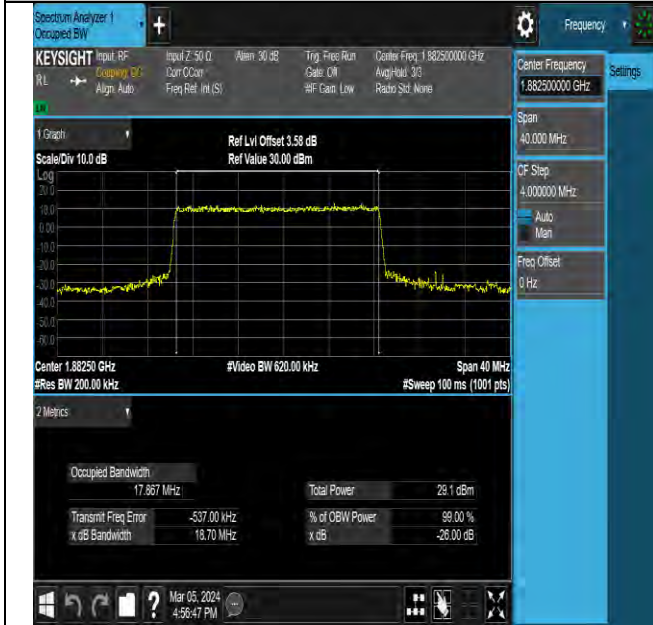
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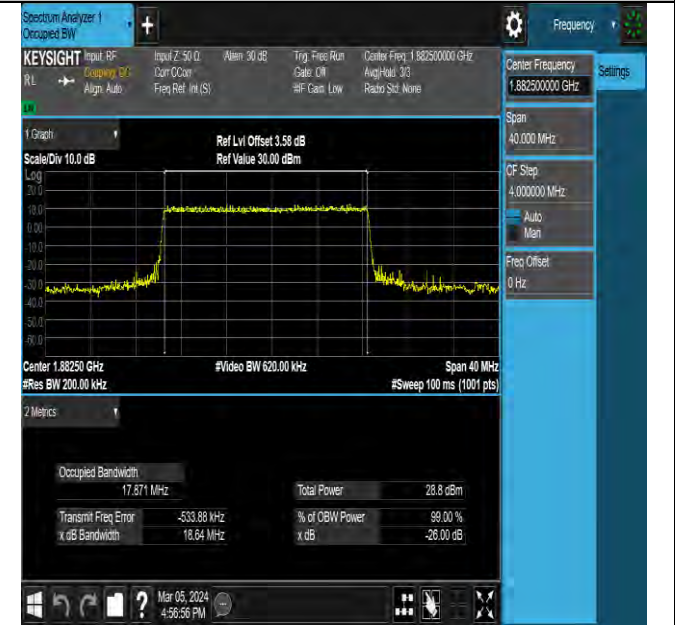
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NTNV-N25-PC3-15-20-M-DFT-16QAM-Outer_Full-Ant0-PAS
S



NTNV-N25-PC3-15-20-M-DFT-64QAM-Outer_Full-Ant0-PAS
S



NTNV-N25-PC3-15-20-M-DFT-256QAM-Outer_Full-Ant0-PA
SS



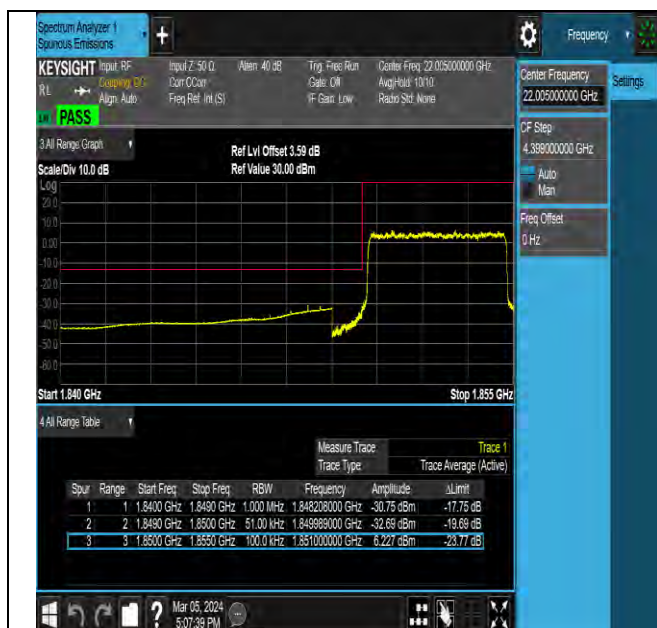
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BAND EDGE FOR SA

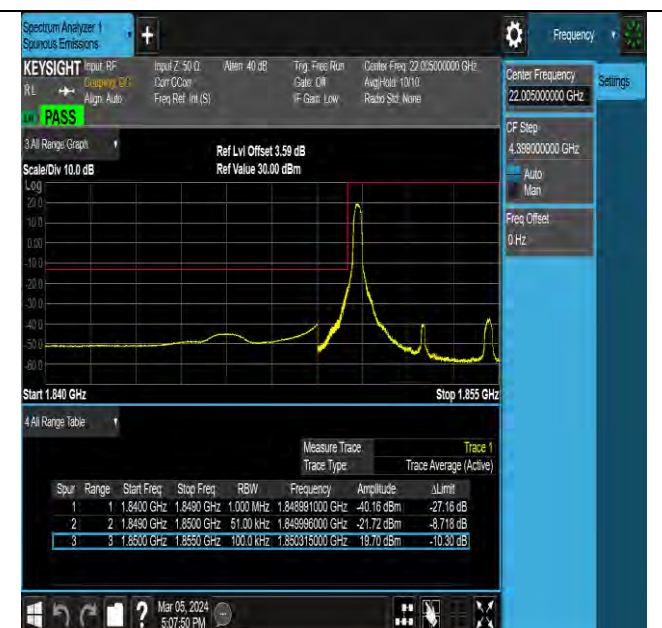
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N25	15	5	DFT-QPSK	L	Outer_Full	-30.75	PASS
N25	15	5	DFT-QPSK	L	Edge_1RB_Left	-21.72	PASS
N25	15	5	DFT-QPSK	H	Outer_Full	-28.28	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Right	-22.36	PASS
N25	15	10	DFT-QPSK	L	Outer_Full	-30.68	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Left	-23.98	PASS
N25	15	10	DFT-QPSK	H	Outer_Full	-29.05	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Right	-25.30	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	-29.35	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	-30.74	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	-21.57	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Right	-32.24	PASS

Test Graphs



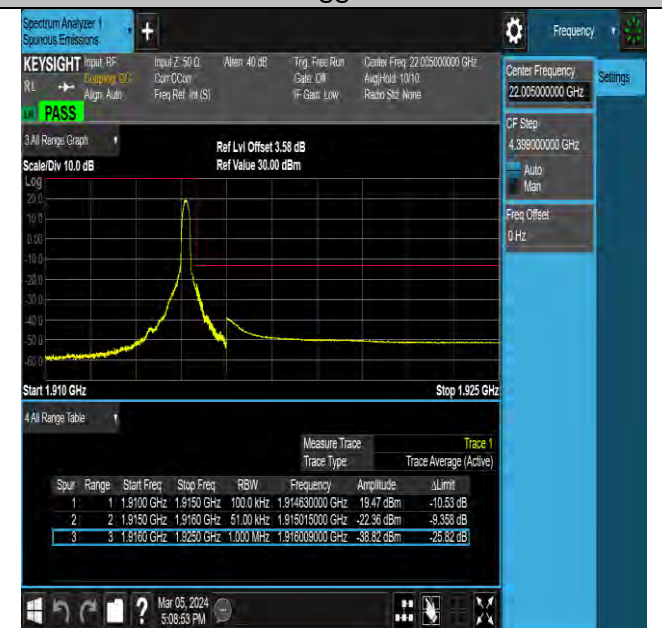
NTNV-N25-PC3-15-5-L-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N25-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



NTNV-N25-PC3-15-5-H-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N25-PC3-15-5-H-DFT-QPSK-Edge_1RB_Right-Ant0-PASS