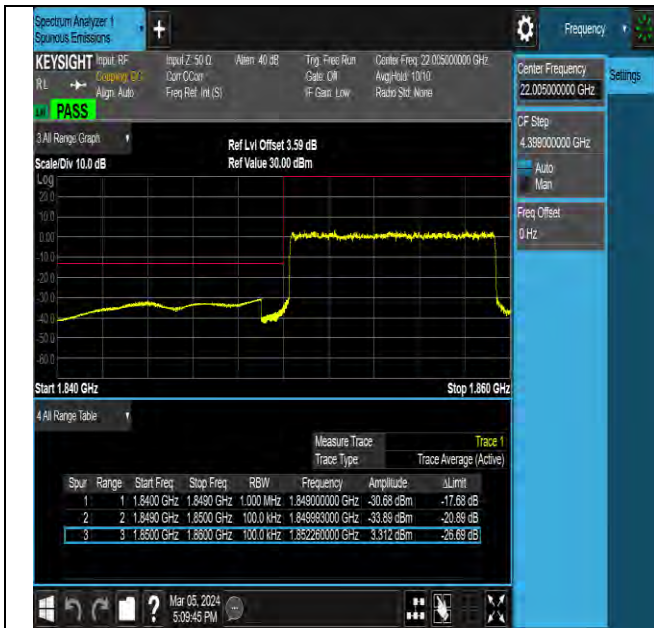




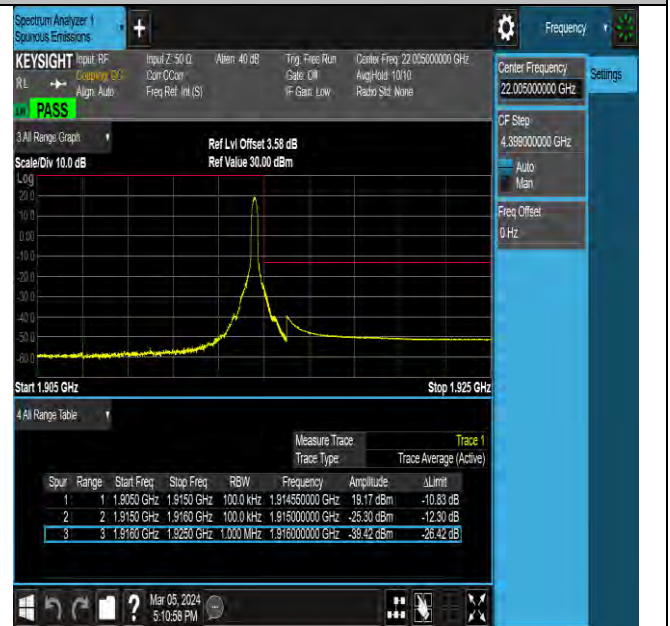
NTNV-N25-PC3-15-10-L-DFT-QPSK-Outer_Full-Ant0-PASS



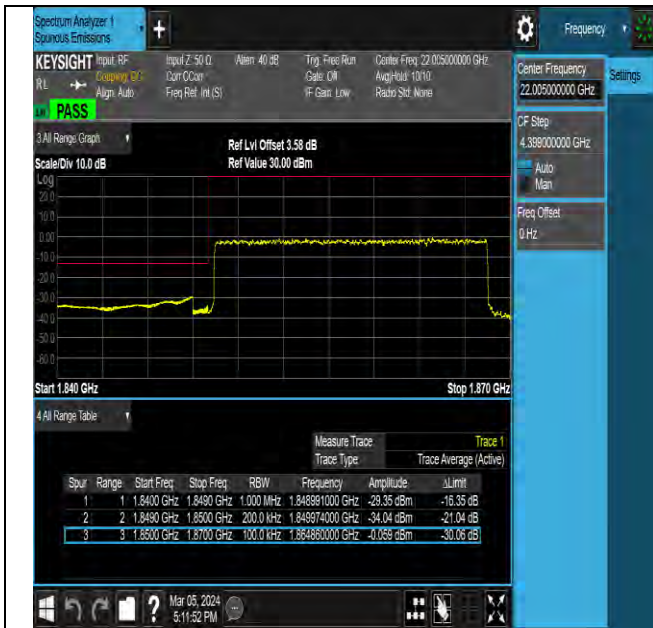
NTNV-N25-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-P ASS



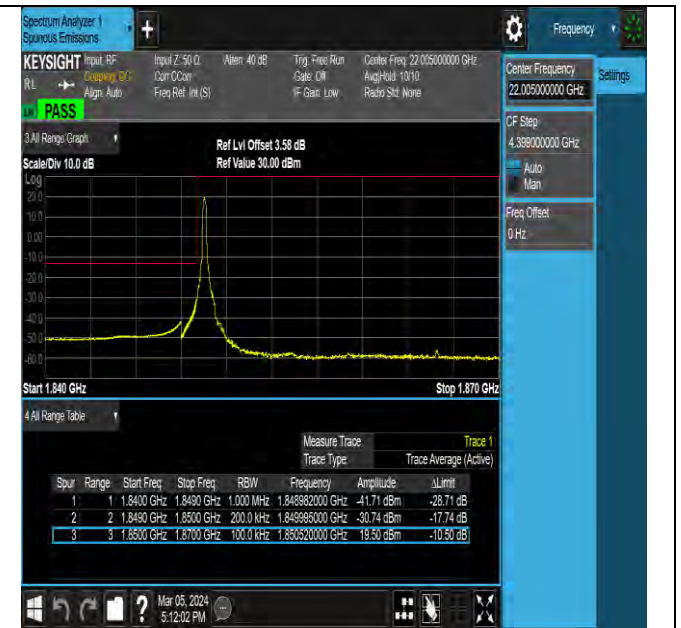
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NTNV-N25-PC3-15-10-H-DFT-QPSK-Edge_1RB_Right-Ant0 -PASS



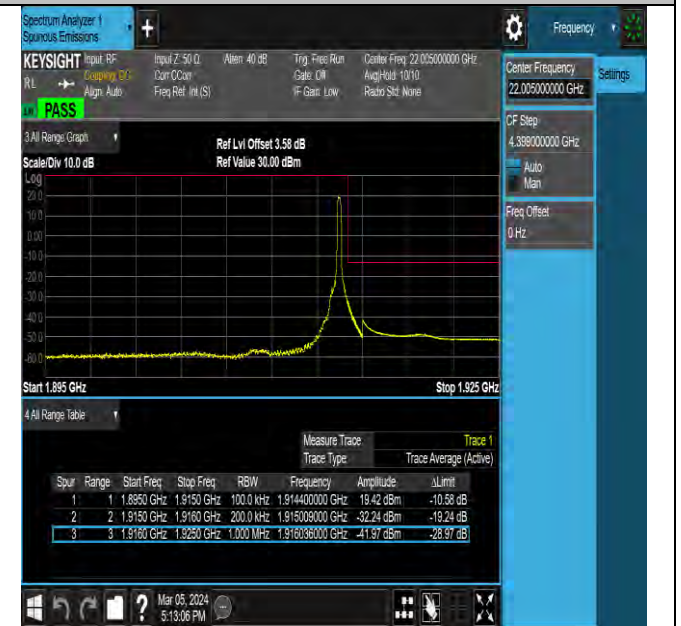
NTNV-N25-PC3-15-20-L-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N25-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-P ASS



NTNV-N25-PC3-15-20-H-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N25-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
N25	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.99	-13	PASS
N25	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	20000	-35.64	-13	PASS
N25	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.72	-13	PASS
N25	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	20000	-35.67	-13	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.93	-13	PASS
N25	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	20000	-35.72	-13	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.98	-13	PASS
N25	15	10	DFT-QPSK	L	Edge_1RB_Left	1000	20000	-35.76	-13	PASS
N25	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.94	-13	PASS
N25	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	20000	-35.58	-13	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.77	-13	PASS
N25	15	10	DFT-QPSK	H	Edge_1RB_Left	1000	20000	-35.61	-13	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.94	-13	PASS
N25	15	20	DFT-QPSK	L	Edge_1RB_Left	1000	20000	-35.66	-13	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-49.02	-13	PASS
N25	15	20	DFT-QPSK	M	Edge_1RB_Left	1000	20000	-35.64	-13	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.93	-13	PASS
N25	15	20	DFT-QPSK	H	Edge_1RB_Left	1000	20000	-35.65	-13	PASS

Test Graphs



NTNV-N25-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



NTNV-N25-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA
SS



NTNV-N25-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N25-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N25-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N25-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N25-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N25-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N25-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



NTNV-N25-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



NTNV-N25-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant0-P ASS



NTNV-N25-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant0-P ASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N25-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N25-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N25-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
PASS



NTNV-N25-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
PASS



BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N25-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N25-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
N25	15	20	DFT-QPSK	L	Outer_Full	VL	NT	15.000000	0.008064	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	VN	NT	3.000000	0.001613	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	VH	NT	14.000000	0.007527	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	-30	12.000000	0.006452	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	-20	1.000000	0.000538	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	-10	15.000000	0.008064	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	0	3.000000	0.001613	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	10	1.000000	0.000538	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	20	11.000000	0.005914	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	30	19.000000	0.010215	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	40	14.000000	0.007527	PASS
N25	15	20	DFT-QPSK	L	Outer_Full	NV	50	9.000000	0.004839	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	VL	NT	16.000000	0.008499	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	VN	NT	11.000000	0.005843	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	VH	NT	18.000000	0.009562	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	-30	6.000000	0.003187	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	-20	5.000000	0.002656	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	-10	12.000000	0.006375	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	0	3.000000	0.001594	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	10	2.000000	0.001062	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	20	12.000000	0.006375	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	30	1.000000	0.000531	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	40	18.000000	0.009562	PASS
N25	15	20	DFT-QPSK	M	Outer_Full	NV	50	10.000000	0.005312	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	VL	NT	4.000000	0.002100	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	VN	NT	17.000000	0.008924	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	VH	NT	9.000000	0.004724	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	-30	16.000000	0.008399	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	-20	15.000000	0.007874	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	-10	10.000000	0.005249	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	0	8.000000	0.004199	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	10	8.000000	0.004199	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	20	19.000000	0.009974	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	30	14.000000	0.007349	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	40	12.000000	0.006299	PASS
N25	15	20	DFT-QPSK	H	Outer_Full	NV	50	1.000000	0.000525	PASS



Test Report No.: PSU-QSU2312140113RF07

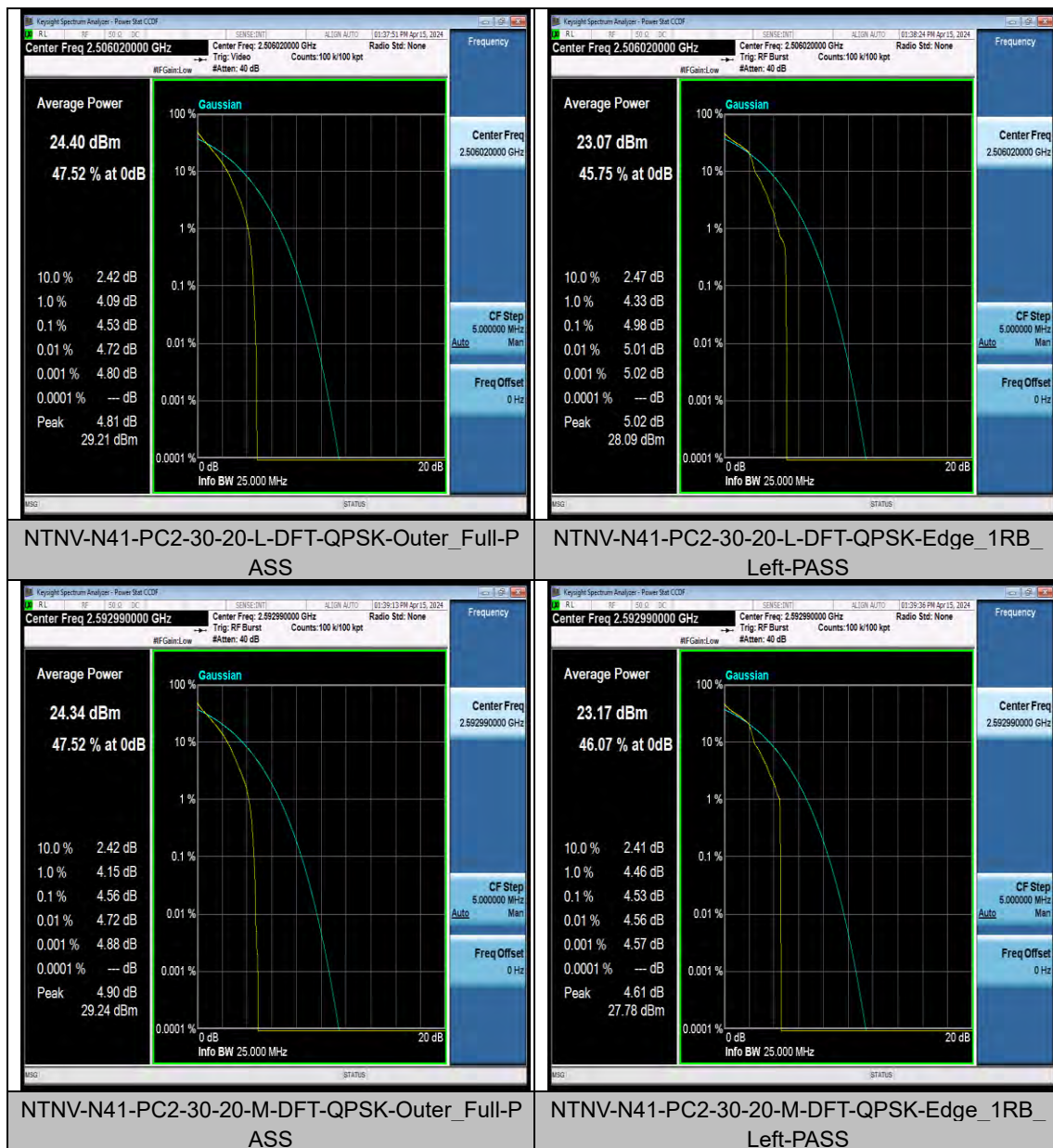
N41(INCLUDING N38)

PEAK-TO-AVERAGE RATIO FOR SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30	20	DFT-QPSK	L	Outer_Full	4.53	≤ 13	PASS
N41	30	20	DFT-QPSK	L	Edge_1RB_Left	4.98	≤ 13	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	4.56	≤ 13	PASS
N41	30	20	DFT-QPSK	M	Edge_1RB_Left	4.53	≤ 13	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	4.57	≤ 13	PASS
N41	30	20	DFT-QPSK	H	Edge_1RB_Left	3.78	≤ 13	PASS

Test Graphs







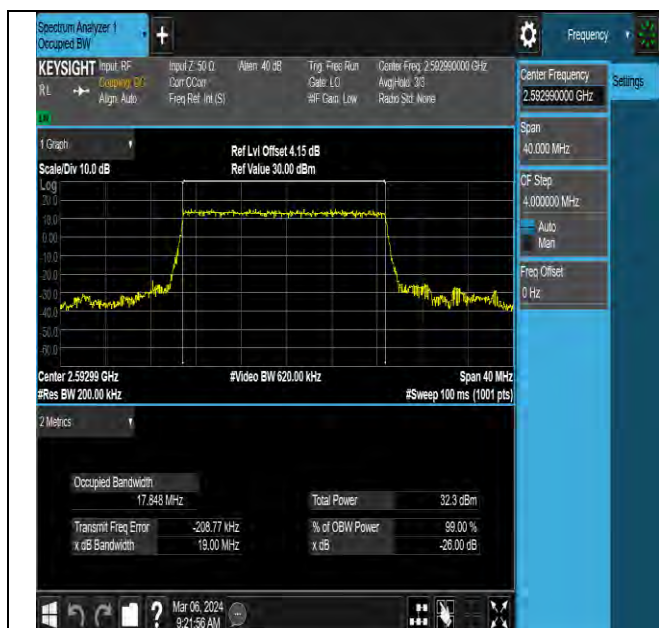
Test Report No.: PSU-QSU2312140113RF07

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N41	30	20	DFT-PI2BPSK	M	Outer_Full	17.848	19.00	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	17.848	19.15	PASS
N41	30	20	DFT-16QAM	M	Outer_Full	17.865	18.87	PASS
N41	30	20	DFT-64QAM	M	Outer_Full	17.789	18.84	PASS
N41	30	20	DFT-256QAM	M	Outer_Full	17.795	18.76	PASS
N41	30	30	DFT-PI2BPSK	M	Outer_Full	26.768	27.98	PASS
N41	30	30	DFT-QPSK	M	Outer_Full	26.724	28.13	PASS
N41	30	30	DFT-16QAM	M	Outer_Full	26.750	28.21	PASS
N41	30	30	DFT-64QAM	M	Outer_Full	26.748	28.17	PASS
N41	30	30	DFT-256QAM	M	Outer_Full	26.774	28.18	PASS
N41	30	40	DFT-PI2BPSK	M	Outer_Full	35.753	37.48	PASS
N41	30	40	DFT-QPSK	M	Outer_Full	35.715	37.52	PASS
N41	30	40	DFT-16QAM	M	Outer_Full	35.828	37.53	PASS
N41	30	40	DFT-64QAM	M	Outer_Full	35.781	37.42	PASS
N41	30	40	DFT-256QAM	M	Outer_Full	35.784	37.62	PASS
N41	30	50	DFT-PI2BPSK	M	Outer_Full	45.701	47.44	PASS
N41	30	50	DFT-QPSK	M	Outer_Full	45.730	47.28	PASS
N41	30	50	DFT-16QAM	M	Outer_Full	45.727	47.46	PASS
N41	30	50	DFT-64QAM	M	Outer_Full	45.704	47.61	PASS
N41	30	50	DFT-256QAM	M	Outer_Full	45.704	47.50	PASS
N41	30	60	DFT-PI2BPSK	M	Outer_Full	57.834	59.97	PASS
N41	30	60	DFT-QPSK	M	Outer_Full	57.918	59.85	PASS
N41	30	60	DFT-16QAM	M	Outer_Full	57.794	59.94	PASS
N41	30	60	DFT-64QAM	M	Outer_Full	57.796	60.07	PASS
N41	30	60	DFT-256QAM	M	Outer_Full	57.828	59.98	PASS
N41	30	80	DFT-PI2BPSK	M	Outer_Full	77.164	79.79	PASS
N41	30	80	DFT-QPSK	M	Outer_Full	77.101	79.65	PASS
N41	30	80	DFT-16QAM	M	Outer_Full	76.927	79.56	PASS
N41	30	80	DFT-64QAM	M	Outer_Full	77.199	79.75	PASS
N41	30	80	DFT-256QAM	M	Outer_Full	77.064	79.72	PASS
N41	30	90	DFT-PI2BPSK	M	Outer_Full	86.806	89.59	PASS
N41	30	90	DFT-QPSK	M	Outer_Full	86.697	89.57	PASS
N41	30	90	DFT-16QAM	M	Outer_Full	86.900	89.66	PASS
N41	30	90	DFT-64QAM	M	Outer_Full	86.518	89.49	PASS
N41	30	90	DFT-256QAM	M	Outer_Full	86.624	89.56	PASS
N41	30	100	DFT-PI2BPSK	M	Outer_Full	96.324	99.78	PASS
N41	30	100	DFT-QPSK	M	Outer_Full	96.448	99.70	PASS
N41	30	100	DFT-16QAM	M	Outer_Full	96.502	99.59	PASS
N41	30	100	DFT-64QAM	M	Outer_Full	96.404	99.67	PASS
N41	30	100	DFT-256QAM	M	Outer_Full	96.314	99.54	PASS

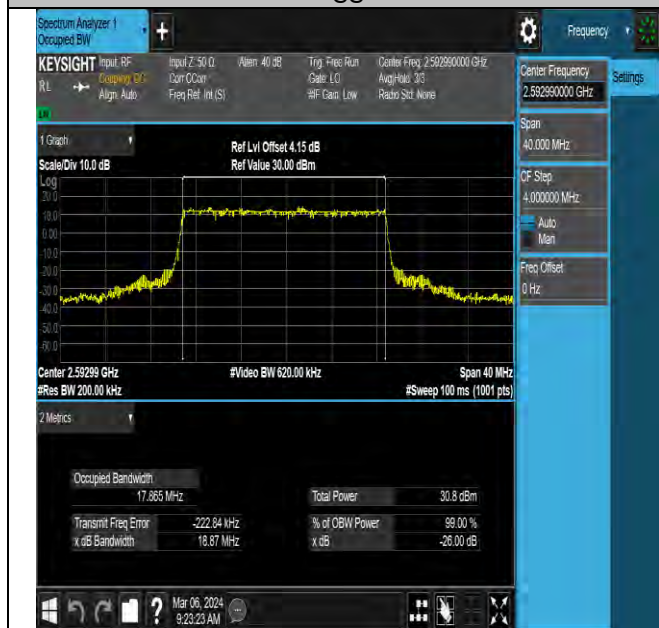
Test Graphs



NTNV-N41-PC2-30-20-M-DFT-PI2BPSK-Outet_Full-Ant2-PA
SS



NTNV-N41-PC2-30-20-M-DFT-QPSK-Outet_Full-Ant2-PASS



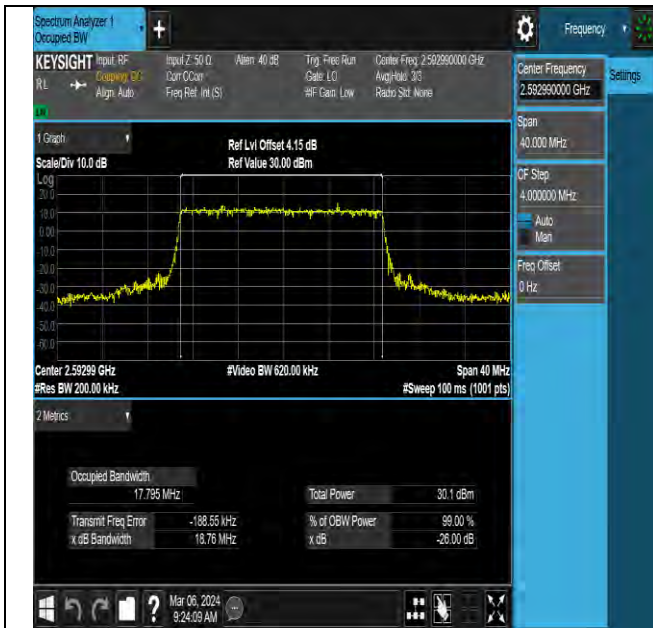
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S



NTNV-N41-PC2-30-20-M-DFT-64QAM-Outet_Full-Ant2-PAS
S



Test Report No.: PSU-QSU2312140113RF07



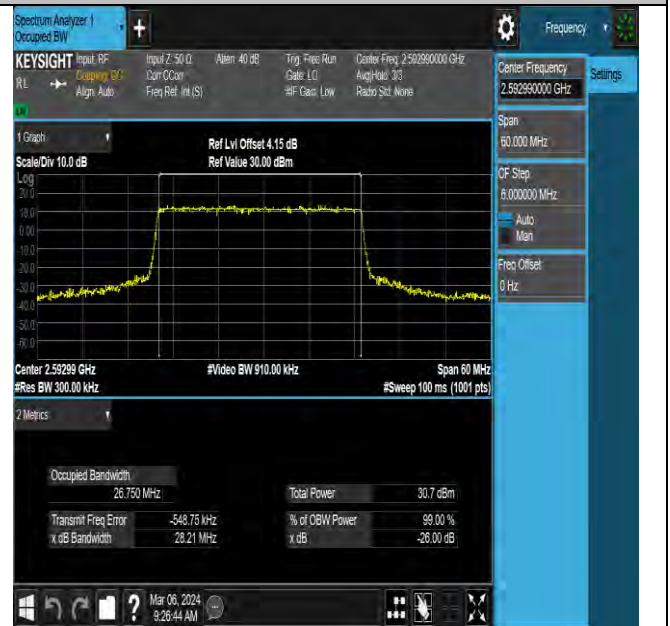
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SS



NTNV-N41-PC2-30-30-M-DFT-PI2BPSK-Outter_Full-Ant2-PA
SS



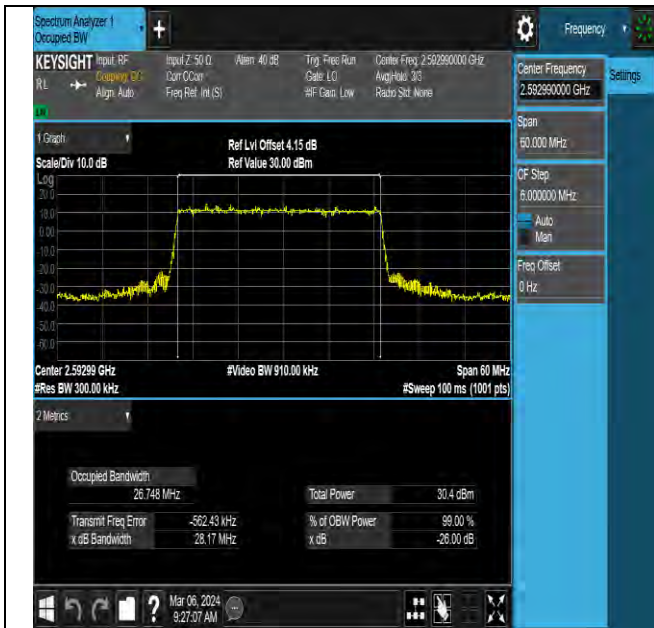
NTNV-N41-PC2-30-30-M-DFT-QPSK-Outter_Full-Ant2-PASS



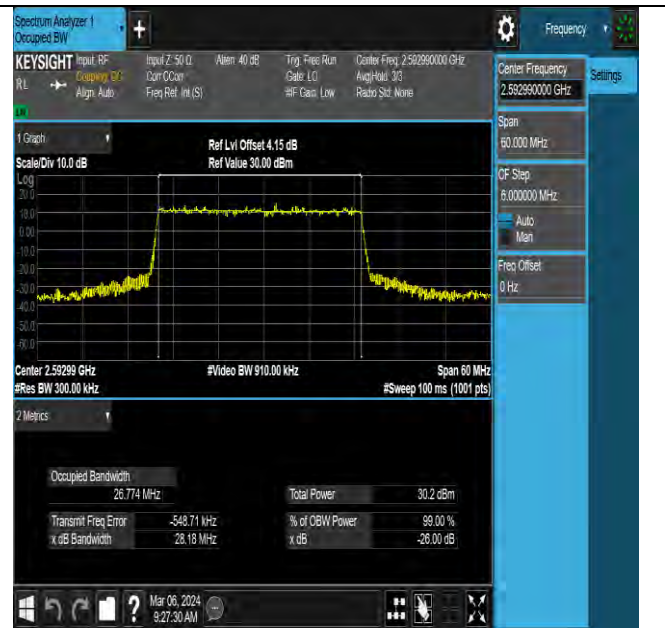
NTNV-N41-PC2-30-30-M-DFT-16QAM-Outter_Full-Ant2-PAS
S



Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-30-M-DFT-64QAM-Outer_Full-Ant2-PAS
S



NTNV-N41-PC2-30-30-M-DFT-256QAM-Outer_Full-Ant2-PA
SS



NTNV-N41-PC2-30-40-M-DFT-PI2BPSK-Outer_Full-Ant2-PA
SS



NTNV-N41-PC2-30-40-M-DFT-QPSK-Outer_Full-Ant2-PASS



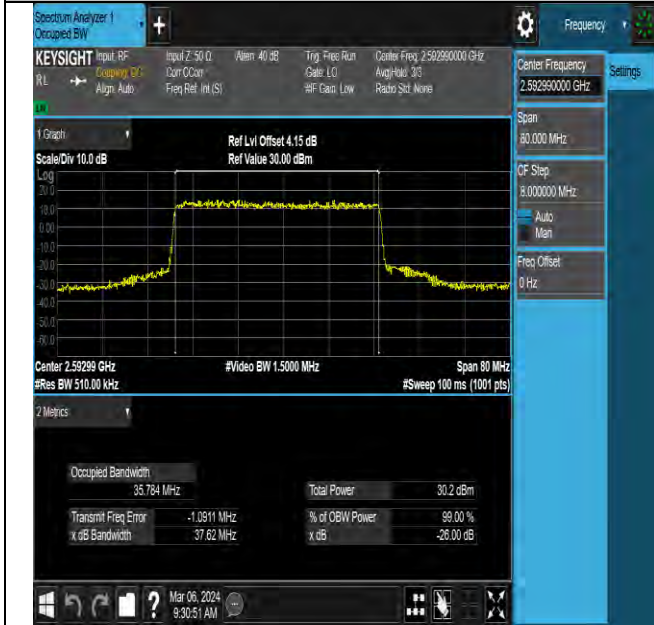
Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-40-M-DFT-16QAM-Outer_Full-Ant2-PAS
S



NTNV-N41-PC2-30-40-M-DFT-64QAM-Outer_Full-Ant2-PAS
S



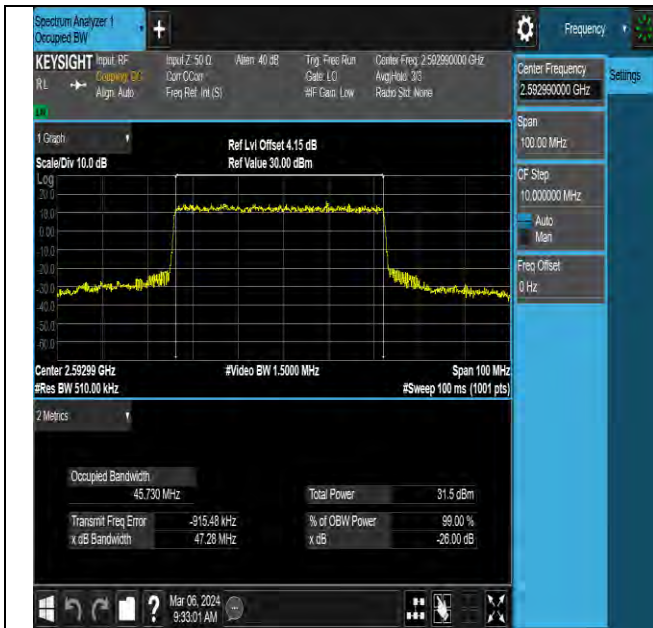
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SS



NTNV-N41-PC2-30-50-M-DFT-P12BPSK-Outer_Full-Ant2-PA
SS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-50-M-DFT-QPSK-Outer_Full-Ant2-PASS



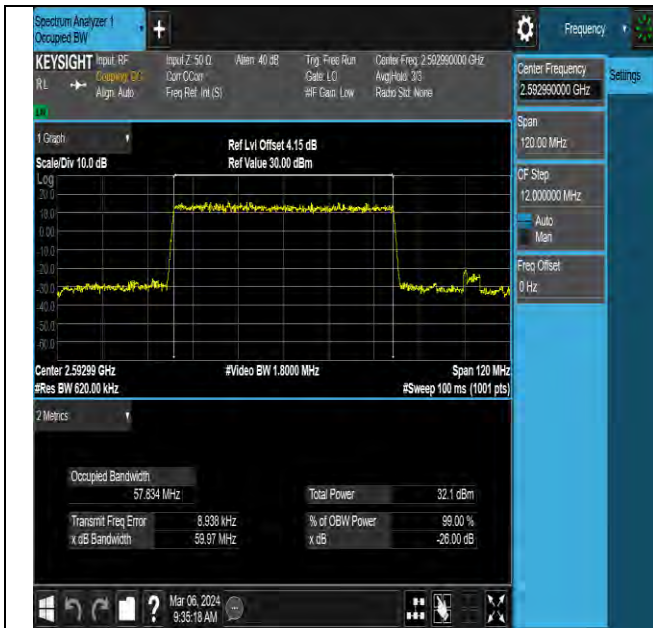
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S



NTNV-N41-PC2-30-50-M-DFT-64QAM-Outer_Full-Ant2-PAS
S



NTNV-N41-PC2-30-50-M-DFT-256QAM-Outer_Full-Ant2-PAS
SS



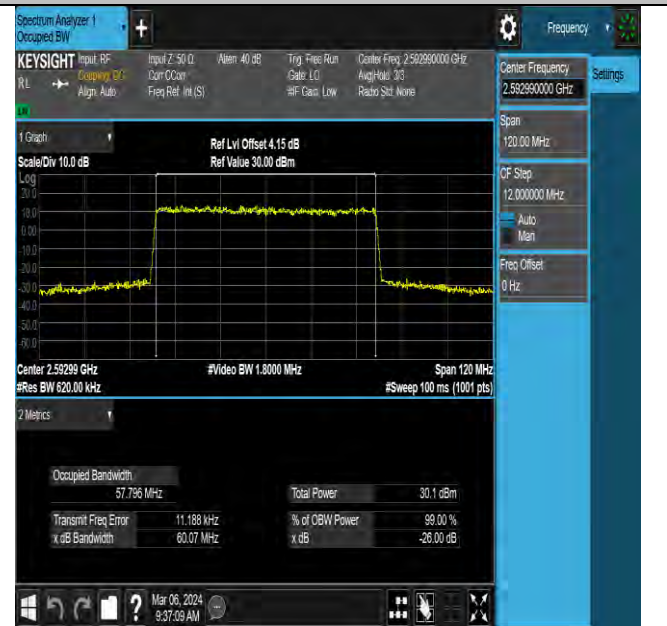
NTNV-N41-PC2-30-60-M-DFT-PI2BPSK-Outer_Full-Ant2-PASS SS



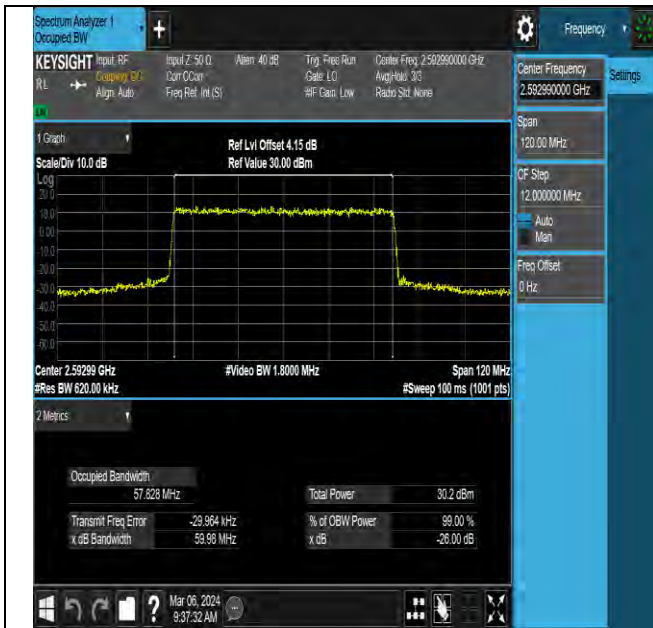
NTNV-N41-PC2-30-60-M-DFT-QPSK-Outer_Full-Ant2-PASS



NTNV-N41-PC2-30-60-M-DFT-16QAM-Outer_Full-Ant2-PASS S



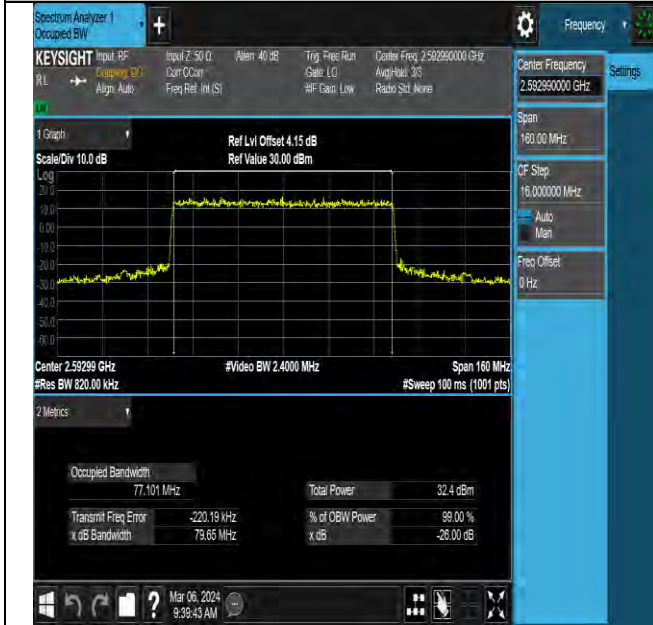
NTNV-N41-PC2-30-60-M-DFT-64QAM-Outer_Full-Ant2-PASS S



NTNV-N41-PC2-30-60-M-DFT-256QAM-Outet_Full-Ant2-PA
SS



NTNV-N41-PC2-30-80-M-DFT-PI2BPSK-Outet_Full-Ant2-PA
SS



NTNV-N41-PC2-30-80-M-DFT-QPSK-Outet_Full-Ant2-PASS



NTNV-N41-PC2-30-80-M-DFT-16QAM-Outet_Full-Ant2-PAS
S



Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-80-M-DFT-64QAM-Outer_Full-Ant2-PAS
S



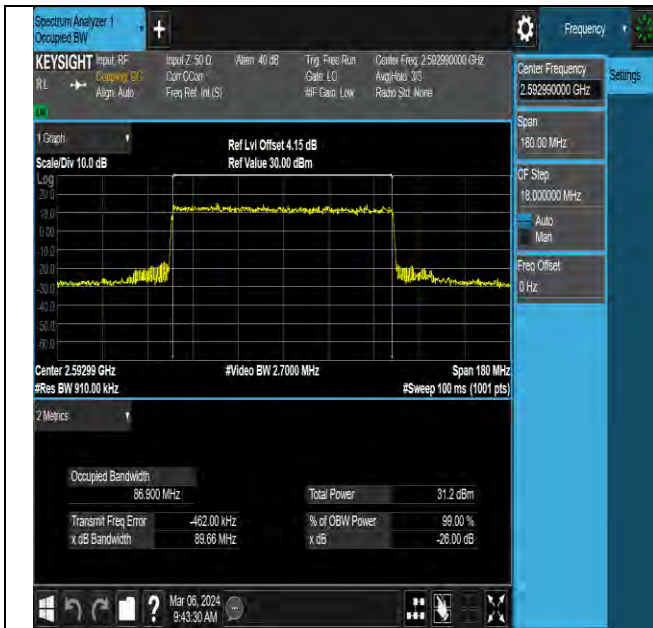
NTNV-N41-PC2-30-80-M-DFT-256QAM-Outer_Full-Ant2-PA
SS



NTNV-N41-PC2-30-90-M-DFT-PI2BPSK-Outer_Full-Ant2-PA
SS



NTNV-N41-PC2-30-90-M-DFT-QPSK-Outer_Full-Ant2-PASS



NTNV-N41-PC2-30-90-M-DFT-16QAM-Outer_Full-Ant2-PAS
S



NTNV-N41-PC2-30-90-M-DFT-64QAM-Outer_Full-Ant2-PAS
S



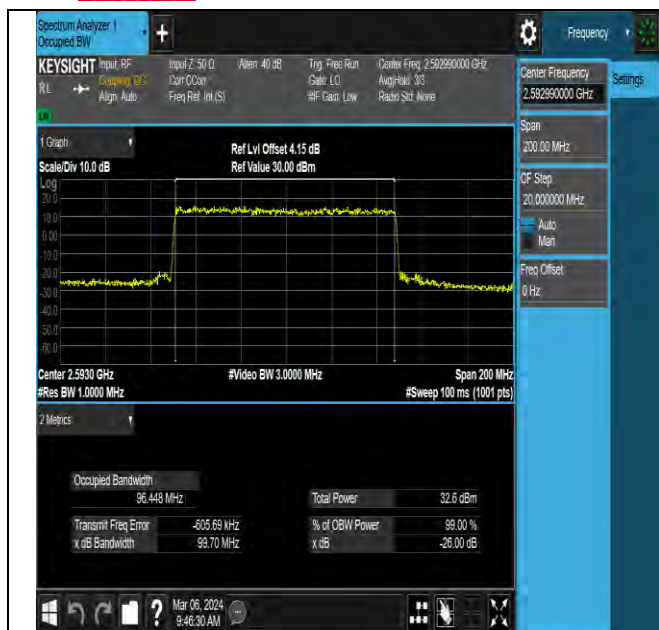
NTNV-N41-PC2-30-90-M-DFT-256QAM-Outer_Full-Ant2-PASS
SS



NTNV-N41-PC2-30-100-M-DFT-P12BPSK-Outer_Full-Ant2-PASS
ASS



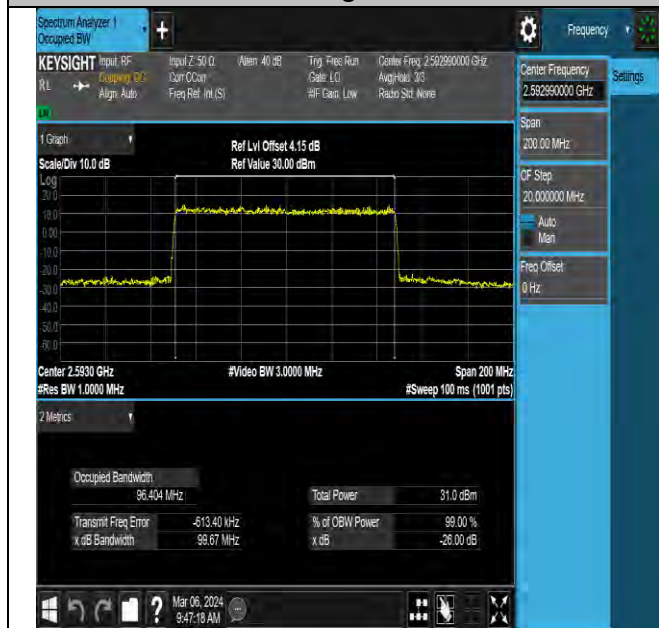
Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-100-M-DFT-QPSK-Outet_Full-Ant2-PAS
S



NTNV-N41-PC2-30-100-M-DFT-16QAM-Outet_Full-Ant2-PA
SS



NTNV-N41-PC2-30-100-M-DFT-64QAM-Outet_Full-Ant2-PA
SS



NTNV-N41-PC2-30-100-M-DFT-256QAM-Outet_Full-Ant2-P
ASS

BAND EDGE FOR SA

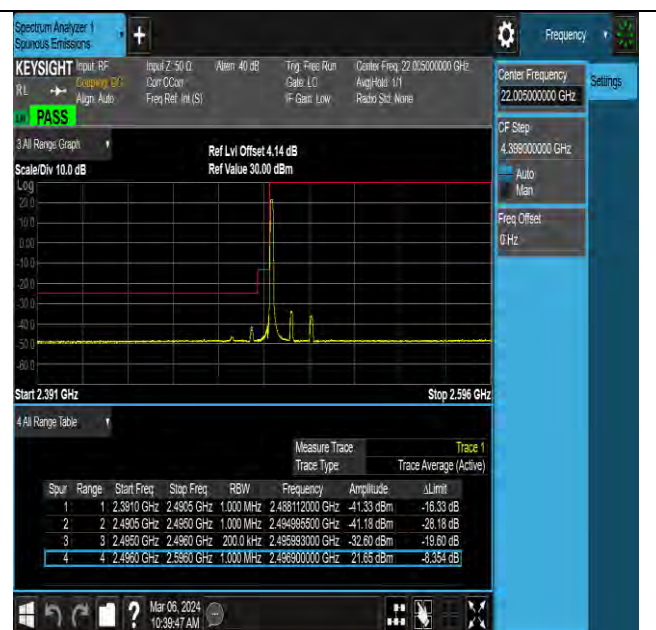
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N41	30	20	DFT-QPSK	L	Outer_Full	-38.36	PASS
N41	30	20	DFT-QPSK	L	Edge_1RB_Left	-41.33	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	-40.90	PASS
N41	30	20	DFT-QPSK	H	Edge_1RB_Right	-31.42	PASS
N41	30	20	DFT-QPSK	H	Edge_1RB_Right	-23.60	PASS
N41	30	60	DFT-QPSK	L	Outer_Full	-36.31	PASS
N41	30	60	DFT-QPSK	L	Edge_1RB_Left	-29.85	PASS
N41	30	60	DFT-QPSK	H	Outer_Full	-39.08	PASS
N41	30	60	DFT-QPSK	H	Edge_1RB_Right	-16.53	PASS
N41	30	100	DFT-QPSK	L	Outer_Full	-34.50	PASS
N41	30	100	DFT-QPSK	L	Edge_1RB_Left	-15.63	PASS
N41	30	100	DFT-QPSK	H	Outer_Full	-34.01	PASS
N41	30	100	DFT-QPSK	H	Edge_1RB_Right	-16.45	PASS

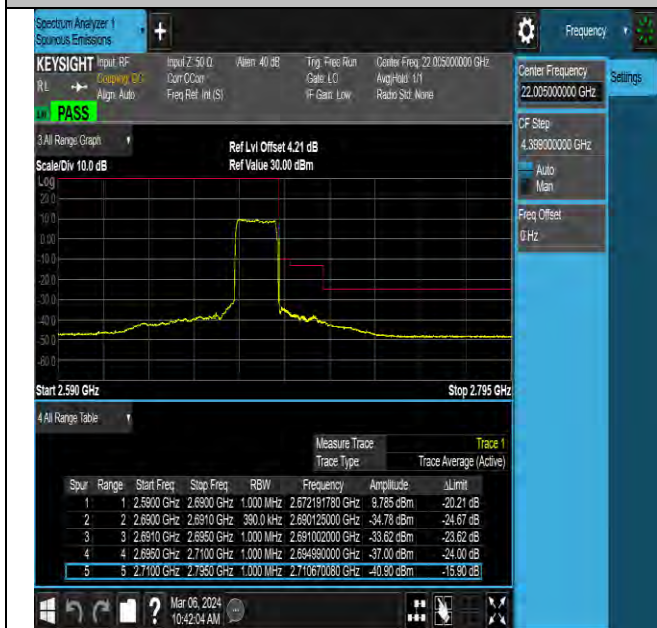
Test Graphs



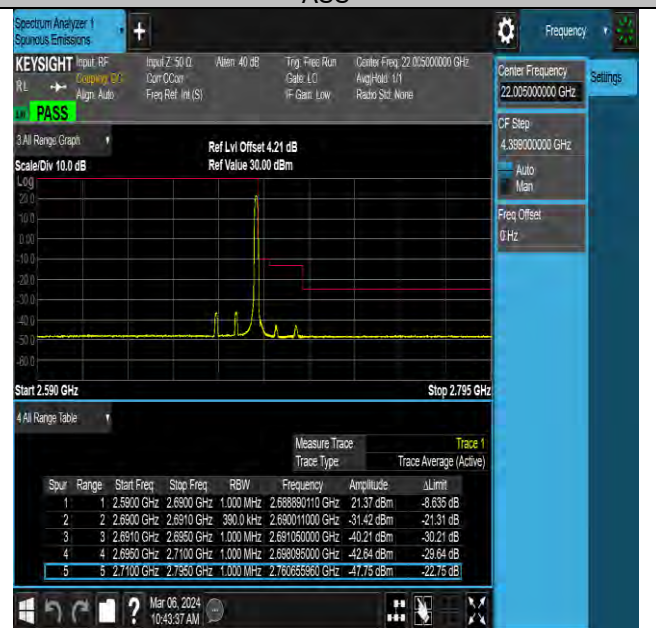
NTNV-N41-PC2-30-20-L-DFT-QPSK-Outer_Full-Ant2-PASS



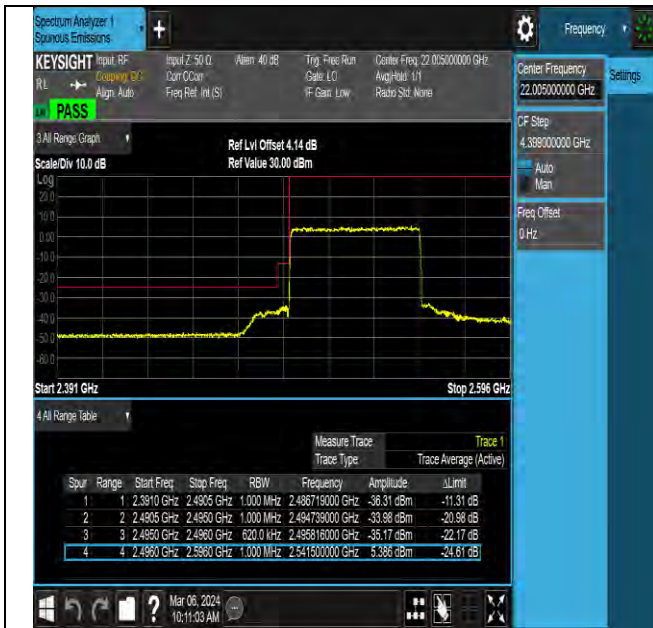
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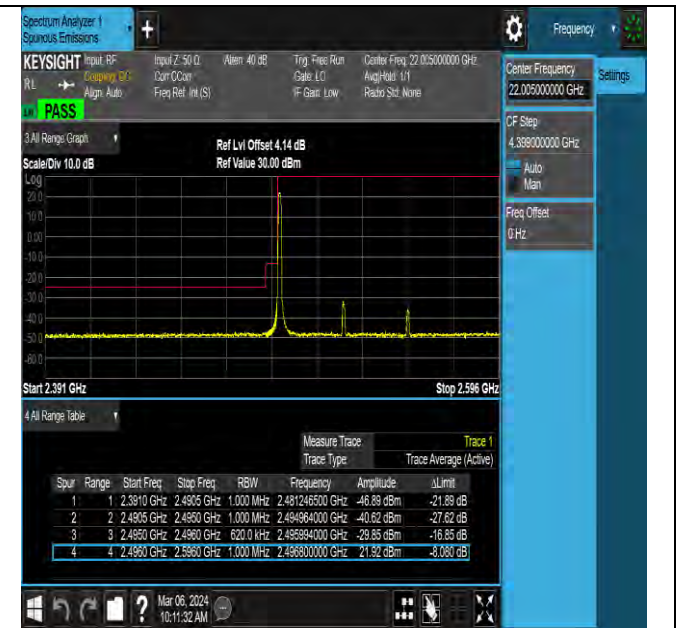
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NTNV-N41-PC2-30-20-H-DFT-QPSK-Edge_1RB_Right-Ant2-PASS



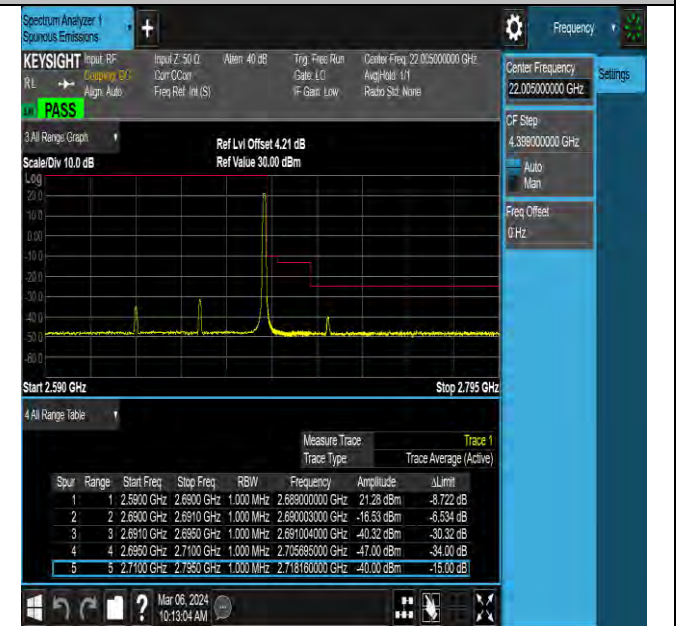
NTNV-N41-PC2-30-60-L-DFT-QPSK-Outer_Full-Ant2-PASS



NTNV-N41-PC2-30-60-L-DFT-QPSK-Edge_1RB_Left-Ant2-P ASS



NTNV-N41-PC2-30-60-H-DFT-QPSK-Outer_Full-Ant2-PASS



NTNV-N41-PC2-30-60-H-DFT-QPSK-Edge_1RB_Right-Ant2-PASS



Test Report No.: PSU-QSU2312140113RF07



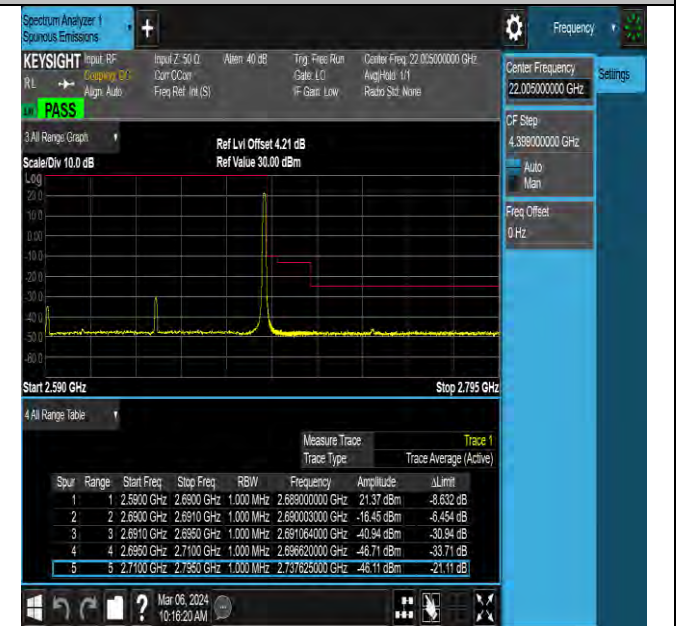
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NTNV-N41-PC2-30-100-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



NTNV-N41-PC2-30-100-H-DFT-QPSK-Outer_Full-Ant2-PASS



NTNV-N41-PC2-30-100-H-DFT-QPSK-Edge_1RB_Right-Ant2-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
N41	30	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.29	-25	PASS
N41	30	20	DFT-QPSK	L	Edge_1RB_Left	1000	27000	-29.78	-25	PASS
N41	30	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.23	-25	PASS
N41	30	20	DFT-QPSK	M	Edge_1RB_Left	1000	27000	-30.58	-25	PASS
N41	30	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.43	-25	PASS
N41	30	20	DFT-QPSK	H	Edge_1RB_Left	1000	27000	-30.06	-25	PASS
N41	30	60	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.23	-25	PASS
N41	30	60	DFT-QPSK	L	Edge_1RB_Left	1000	27000	-30.28	-25	PASS
N41	30	60	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.32	-25	PASS
N41	30	60	DFT-QPSK	M	Edge_1RB_Left	1000	27000	-29.92	-25	PASS
N41	30	60	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.15	-25	PASS
N41	30	60	DFT-QPSK	H	Edge_1RB_Left	1000	27000	-30.39	-25	PASS
N41	30	100	DFT-QPSK	L	Edge_1RB_Left	30	1000	-48.29	-25	PASS
N41	30	100	DFT-QPSK	L	Edge_1RB_Left	1000	27000	-29.95	-25	PASS
N41	30	100	DFT-QPSK	M	Edge_1RB_Left	30	1000	-48.49	-25	PASS
N41	30	100	DFT-QPSK	M	Edge_1RB_Left	1000	27000	-30.47	-25	PASS
N41	30	100	DFT-QPSK	H	Edge_1RB_Left	30	1000	-48.40	-25	PASS
N41	30	100	DFT-QPSK	H	Edge_1RB_Left	1000	27000	-30.26	-25	PASS

Test Graphs





Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-20-H-DFT-QPSK-Edge_1RB_Left-Ant2-P
ASS



NTNV-N41-PC2-30-20-H-DFT-QPSK-Edge_1RB_Left-Ant2-P
ASS



NTNV-N41-PC2-30-60-L-DFT-QPSK-Edge_1RB_Left-Ant2-P
ASS



NTNV-N41-PC2-30-60-L-DFT-QPSK-Edge_1RB_Left-Ant2-P
ASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-60-M-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



NTNV-N41-PC2-30-60-M-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



NTNV-N41-PC2-30-60-H-DFT-QPSK-Edge_1RB_Left-Ant2-P ASS



NTNV-N41-PC2-30-60-H-DFT-QPSK-Edge_1RB_Left-Ant2-P ASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-100-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



NTNV-N41-PC2-30-100-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



NTNV-N41-PC2-30-100-M-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



NTNV-N41-PC2-30-100-M-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



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Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-100-H-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



NTNV-N41-PC2-30-100-H-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



Test Report No.: PSU-QSU2312140113RF07

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
N41	30	20	DFT-QPSK	L	Outer_Full	VL	NT	2.000000	0.000798	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VN	NT	3.000000	0.001197	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	VH	NT	9.000000	0.003591	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VL	NT	9.000000	0.003471	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VN	NT	15.000000	0.005785	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	VH	NT	2.000000	0.000771	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VL	NT	17.000000	0.006343	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VN	NT	3.000000	0.001119	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	VH	NT	4.000000	0.001493	PASS

Frequency Error VS. Temperature

Voltage										
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-30	14.000000	0.005587	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-20	18.000000	0.007183	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	-10	2.000000	0.000798	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	0	8.000000	0.003192	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	10	5.000000	0.001995	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	20	18.000000	0.007183	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	30	4.000000	0.001596	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	40	7.000000	0.002793	PASS
N41	30	20	DFT-QPSK	L	Outer_Full	NV	50	13.000000	0.005188	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-30	8.000000	0.003085	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-20	10.000000	0.003857	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	-10	4.000000	0.001543	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	0	17.000000	0.006556	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	10	19.000000	0.007327	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	20	13.000000	0.005014	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	30	6.000000	0.002314	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	40	9.000000	0.003471	PASS
N41	30	20	DFT-QPSK	M	Outer_Full	NV	50	18.000000	0.006942	PASS



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Test Report No.: PSU-QSU2312140113RF07

N41	30	20	DFT-QPSK	H	Outer_Full	NV	-30	7.000000	0.002612	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-20	19.000000	0.007090	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	-10	13.000000	0.004851	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	0	15.000000	0.005597	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	10	9.000000	0.003358	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	20	15.000000	0.005597	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	30	17.000000	0.006343	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	40	11.000000	0.004104	PASS
N41	30	20	DFT-QPSK	H	Outer_Full	NV	50	17.000000	0.006343	PASS



Test Report No.: PSU-QSU2312140113RF07

N41_UL_MIMO

PEAK-TO-AVERAGE RATIO(CCDF)

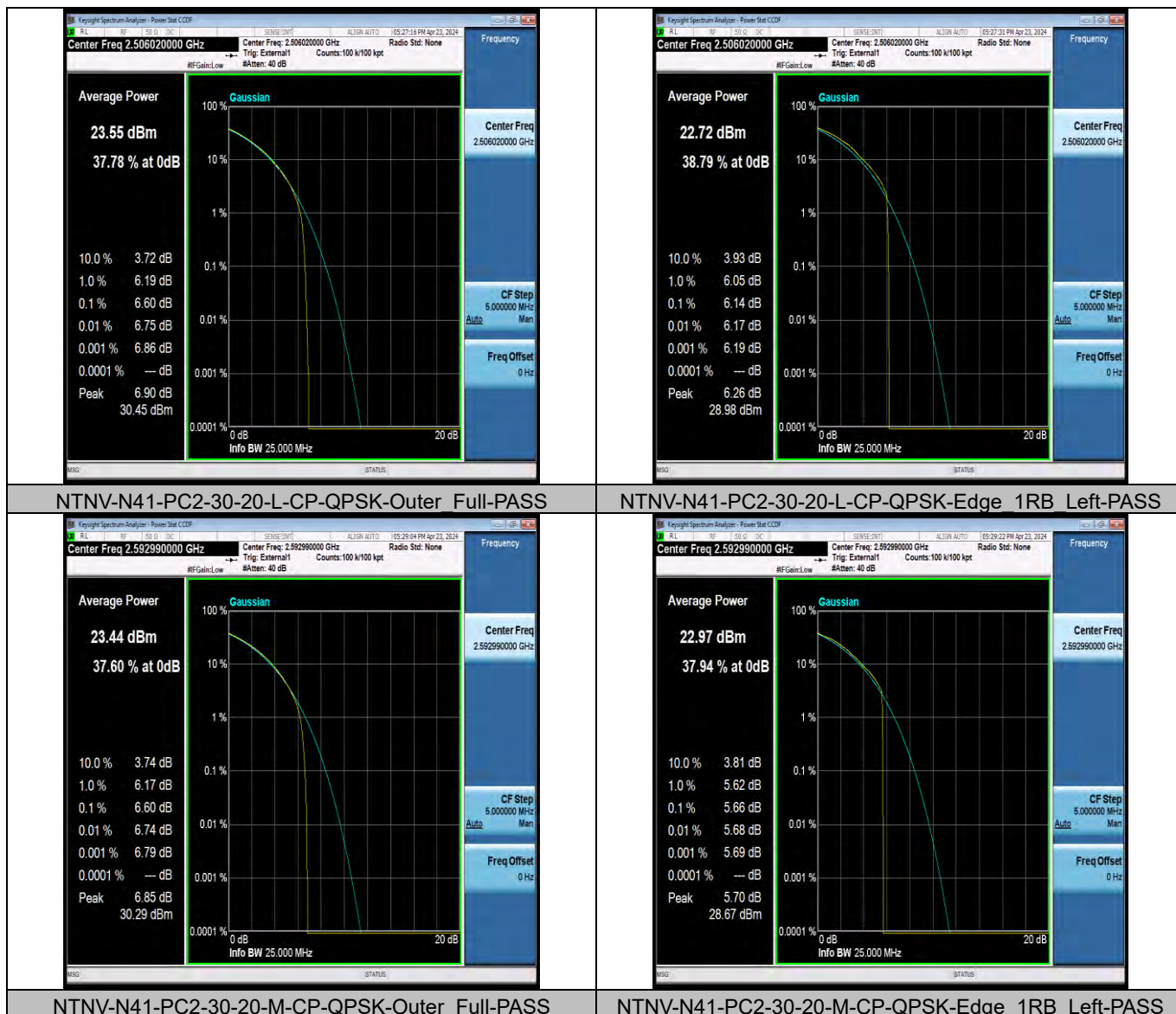
Test Result-Ant2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30	20	CP-QPSK	L	Outer_Full	6.60	≤ 13	PASS
N41	30	20	CP-QPSK	L	Edge_1RB_Left	6.14	≤ 13	PASS
N41	30	20	CP-QPSK	M	Outer_Full	6.60	≤ 13	PASS
N41	30	20	CP-QPSK	M	Edge_1RB_Left	5.66	≤ 13	PASS
N41	30	20	CP-QPSK	H	Outer_Full	6.60	≤ 13	PASS
N41	30	20	CP-QPSK	H	Edge_1RB_Left	5.57	≤ 13	PASS

Test Result-Ant1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30	20	CP-QPSK	L	Outer_Full	6.59	≤ 13	PASS
N41	30	20	CP-QPSK	L	Edge_1RB_Left	6.03	≤ 13	PASS
N41	30	20	CP-QPSK	M	Outer_Full	6.63	≤ 13	PASS
N41	30	20	CP-QPSK	M	Edge_1RB_Left	5.87	≤ 13	PASS
N41	30	20	CP-QPSK	H	Outer_Full	6.62	≤ 13	PASS
N41	30	20	CP-QPSK	H	Edge_1RB_Left	5.64	≤ 13	PASS

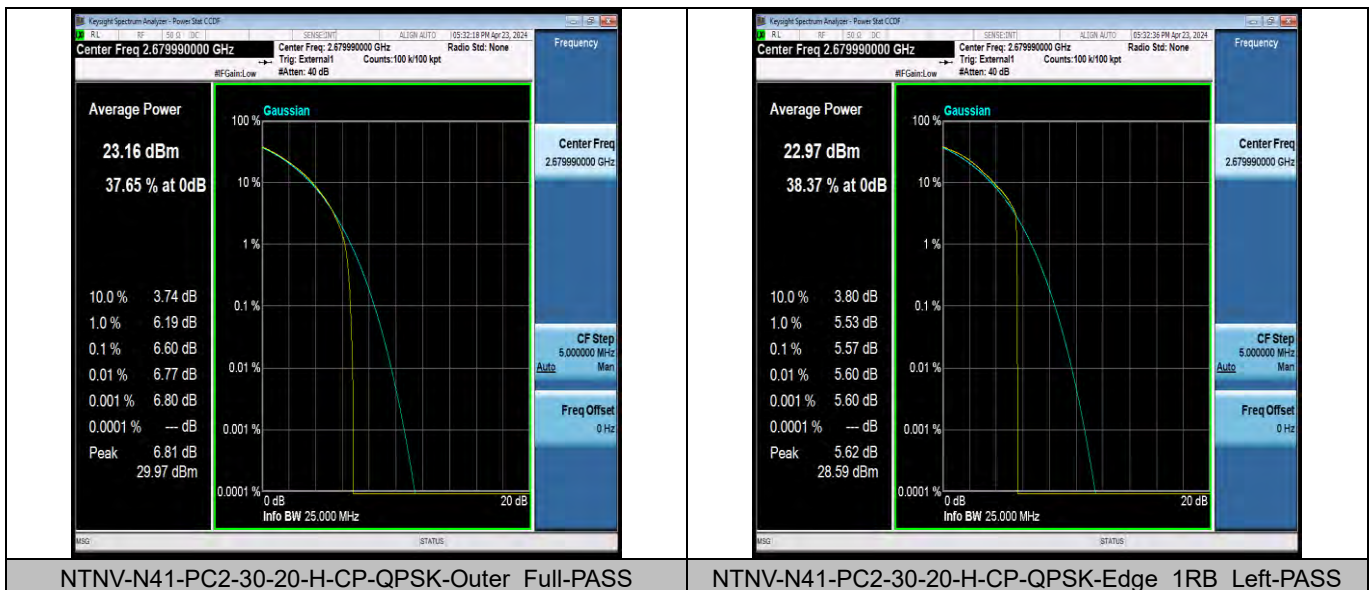
Test Graphs-Ant2





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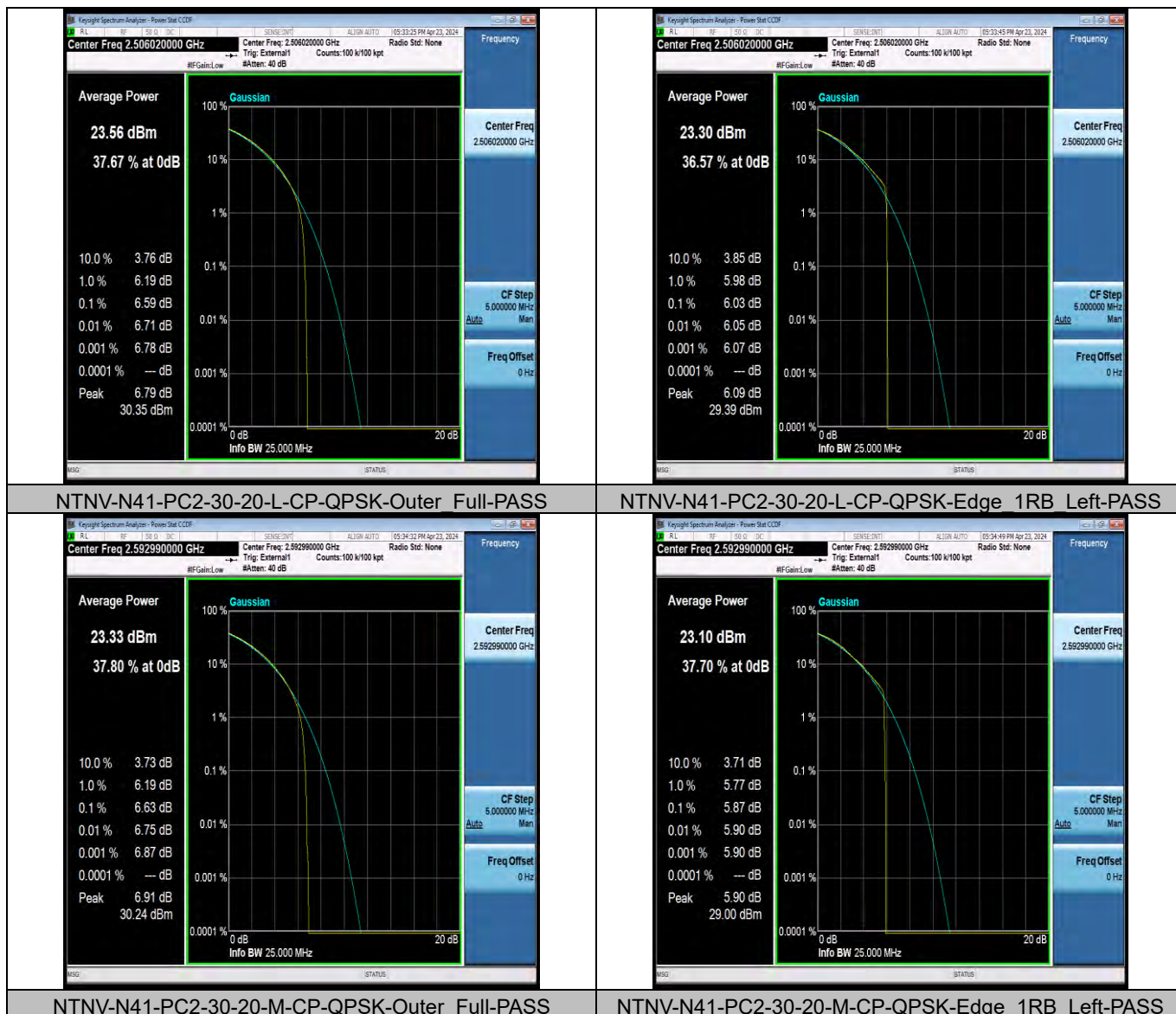
Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-20-H-CP-QPSK-Outer Full-PASS

NTNV-N41-PC2-30-20-H-CP-QPSK-Edge 1RB Left-PASS

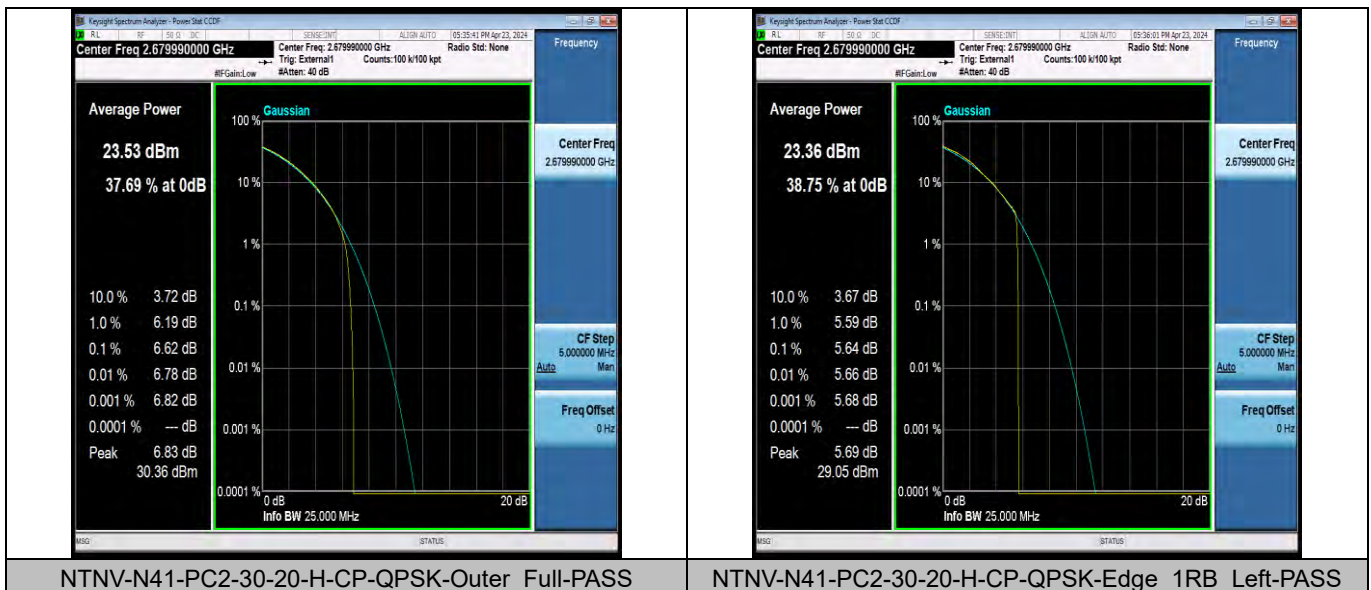
Test Graphs-Ant1





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Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-20-H-CP-QPSK-Outer Full-PASS

NTNV-N41-PC2-30-20-H-CP-QPSK-Edge 1RB Left-PASS



Test Report No.: PSU-QSU2312140113RF07

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR MIMO

Test Result-Ant2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N41	30	20	CP-QPSK	M	Outer_Full	18.184	19.46	PASS
N41	30	20	CP-16QAM	M	Outer_Full	18.246	19.44	PASS
N41	30	20	CP-64QAM	M	Outer_Full	18.178	19.29	PASS
N41	30	20	CP-256QAM	M	Outer_Full	18.196	19.31	PASS
N41	30	30	CP-QPSK	M	Outer_Full	27.833	29.11	PASS
N41	30	30	CP-16QAM	M	Outer_Full	27.847	29.40	PASS
N41	30	30	CP-64QAM	M	Outer_Full	27.852	29.38	PASS
N41	30	30	CP-256QAM	M	Outer_Full	27.834	29.19	PASS
N41	30	40	CP-QPSK	M	Outer_Full	37.721	39.31	PASS
N41	30	40	CP-16QAM	M	Outer_Full	37.800	39.60	PASS
N41	30	40	CP-64QAM	M	Outer_Full	37.831	39.50	PASS
N41	30	40	CP-256QAM	M	Outer_Full	37.801	39.18	PASS
N41	30	50	CP-QPSK	M	Outer_Full	47.391	49.24	PASS
N41	30	50	CP-16QAM	M	Outer_Full	47.456	49.16	PASS
N41	30	50	CP-64QAM	M	Outer_Full	47.415	48.98	PASS
N41	30	50	CP-256QAM	M	Outer_Full	47.402	49.15	PASS
N41	30	60	CP-QPSK	M	Outer_Full	57.740	60.15	PASS
N41	30	60	CP-16QAM	M	Outer_Full	57.776	60.01	PASS
N41	30	60	CP-64QAM	M	Outer_Full	57.704	60.10	PASS
N41	30	60	CP-256QAM	M	Outer_Full	57.735	59.88	PASS
N41	30	70	CP-QPSK	M	Outer_Full	67.372	69.74	PASS
N41	30	70	CP-16QAM	M	Outer_Full	67.509	69.78	PASS
N41	30	70	CP-64QAM	M	Outer_Full	67.386	69.95	PASS
N41	30	70	CP-256QAM	M	Outer_Full	67.460	69.91	PASS
N41	30	80	CP-QPSK	M	Outer_Full	77.315	80.06	PASS
N41	30	80	CP-16QAM	M	Outer_Full	77.341	79.93	PASS
N41	30	80	CP-64QAM	M	Outer_Full	77.268	79.94	PASS
N41	30	80	CP-256QAM	M	Outer_Full	77.251	79.99	PASS
N41	30	90	CP-QPSK	M	Outer_Full	87.336	90.24	PASS
N41	30	90	CP-16QAM	M	Outer_Full	87.383	90.28	PASS
N41	30	90	CP-64QAM	M	Outer_Full	87.429	90.27	PASS
N41	30	90	CP-256QAM	M	Outer_Full	87.538	90.44	PASS
N41	30	100	CP-QPSK	M	Outer_Full	97.349	100.5	PASS
N41	30	100	CP-16QAM	M	Outer_Full	97.346	100.5	PASS
N41	30	100	CP-64QAM	M	Outer_Full	97.349	100.5	PASS
N41	30	100	CP-256QAM	M	Outer_Full	97.318	100.4	PASS



Test Report No.: PSU-QSU2312140113RF07

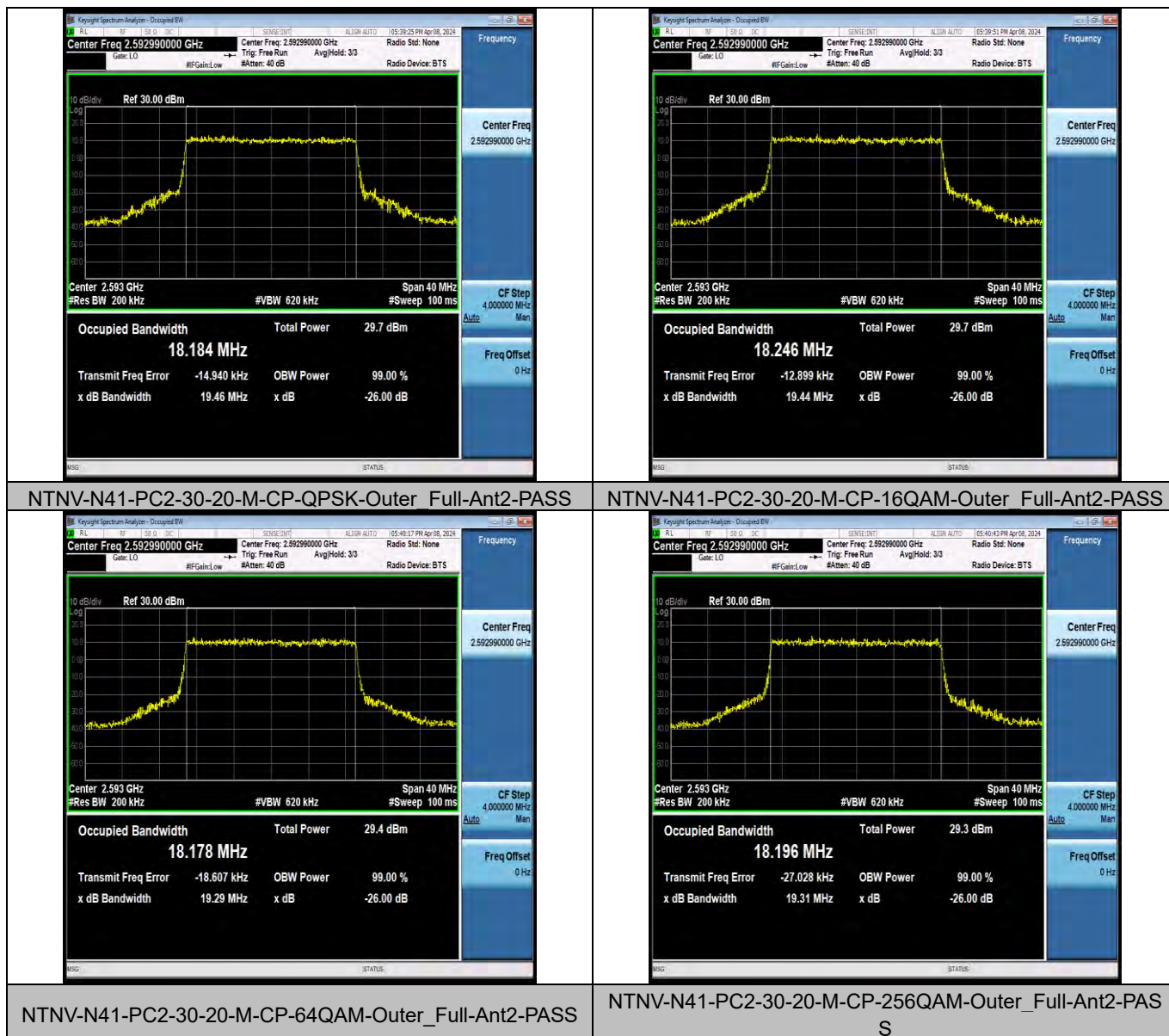
Test Result-Ant1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N41	30	20	CP-QPSK	M	Outer_Full	18.200	19.23	PASS
N41	30	20	CP-16QAM	M	Outer_Full	18.185	19.39	PASS
N41	30	20	CP-64QAM	M	Outer_Full	18.177	19.26	PASS
N41	30	20	CP-256QAM	M	Outer_Full	18.180	19.21	PASS
N41	30	30	CP-QPSK	M	Outer_Full	27.850	29.33	PASS
N41	30	30	CP-16QAM	M	Outer_Full	27.831	29.13	PASS
N41	30	30	CP-64QAM	M	Outer_Full	27.871	29.34	PASS
N41	30	30	CP-256QAM	M	Outer_Full	27.806	29.11	PASS
N41	30	40	CP-QPSK	M	Outer_Full	37.842	39.65	PASS
N41	30	40	CP-16QAM	M	Outer_Full	37.847	39.71	PASS
N41	30	40	CP-64QAM	M	Outer_Full	37.793	39.73	PASS
N41	30	40	CP-256QAM	M	Outer_Full	37.835	39.70	PASS
N41	30	50	CP-QPSK	M	Outer_Full	47.430	49.40	PASS
N41	30	50	CP-16QAM	M	Outer_Full	47.459	49.43	PASS
N41	30	50	CP-64QAM	M	Outer_Full	47.458	49.23	PASS
N41	30	50	CP-256QAM	M	Outer_Full	47.428	49.16	PASS
N41	30	60	CP-QPSK	M	Outer_Full	57.684	60.04	PASS
N41	30	60	CP-16QAM	M	Outer_Full	57.747	59.72	PASS
N41	30	60	CP-64QAM	M	Outer_Full	57.723	59.78	PASS
N41	30	60	CP-256QAM	M	Outer_Full	57.626	59.75	PASS
N41	30	70	CP-QPSK	M	Outer_Full	67.330	69.82	PASS
N41	30	70	CP-16QAM	M	Outer_Full	67.369	69.83	PASS
N41	30	70	CP-64QAM	M	Outer_Full	67.329	69.83	PASS
N41	30	70	CP-256QAM	M	Outer_Full	67.250	69.73	PASS
N41	30	80	CP-QPSK	M	Outer_Full	77.430	80.02	PASS
N41	30	80	CP-16QAM	M	Outer_Full	77.179	80.00	PASS
N41	30	80	CP-64QAM	M	Outer_Full	77.247	79.99	PASS
N41	30	80	CP-256QAM	M	Outer_Full	77.210	79.97	PASS
N41	30	90	CP-QPSK	M	Outer_Full	87.198	90.18	PASS
N41	30	90	CP-16QAM	M	Outer_Full	87.250	90.24	PASS
N41	30	90	CP-64QAM	M	Outer_Full	87.232	90.17	PASS
N41	30	90	CP-256QAM	M	Outer_Full	87.173	90.35	PASS
N41	30	100	CP-QPSK	M	Outer_Full	97.232	100.5	PASS
N41	30	100	CP-16QAM	M	Outer_Full	97.393	100.5	PASS
N41	30	100	CP-64QAM	M	Outer_Full	97.322	100.5	PASS
N41	30	100	CP-256QAM	M	Outer_Full	97.363	100.5	PASS



Test Report No.: PSU-QSU2312140113RF07

Test Graphs-Ant2





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Test Report No.: PSU-QSU2312140113RF07



NTNV-N41-PC2-30-30-M-CP-QPSK-Outer Full-Ant2-PASS



NTNV-N41-PC2-30-30-M-CP-16QAM-Outer Full-Ant2-PASS



NTNV-N41-PC2-30-30-M-CP-64QAM-Outer_Full-Ant2-PASS



NTNV-N41-PC2-30-30-M-CP-256QAM-Outer_Full-Ant2-PASS