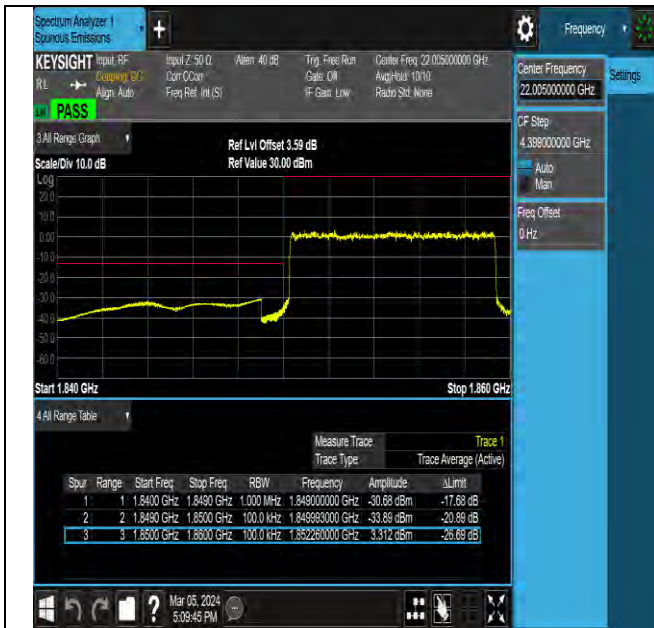




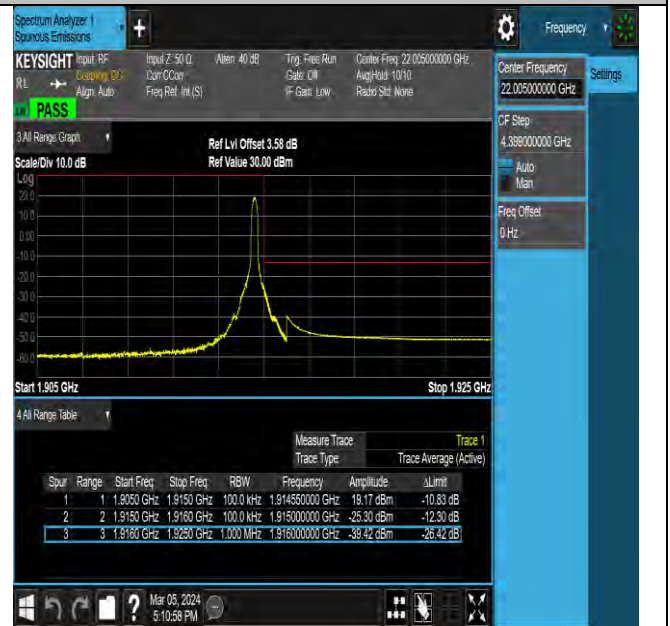
NTNV-N25-PC3-15-10-L-DFT-QPSK-Outter_Full-Ant0-PASS



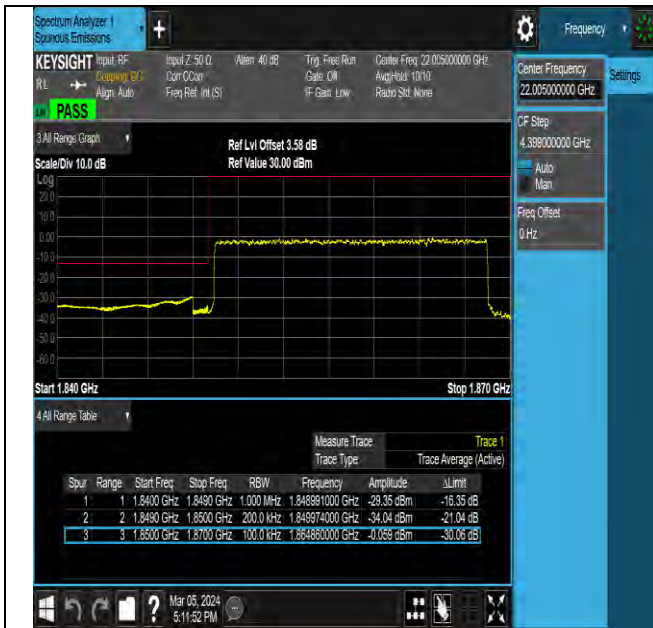
NTNV-N25-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant0-P ASS



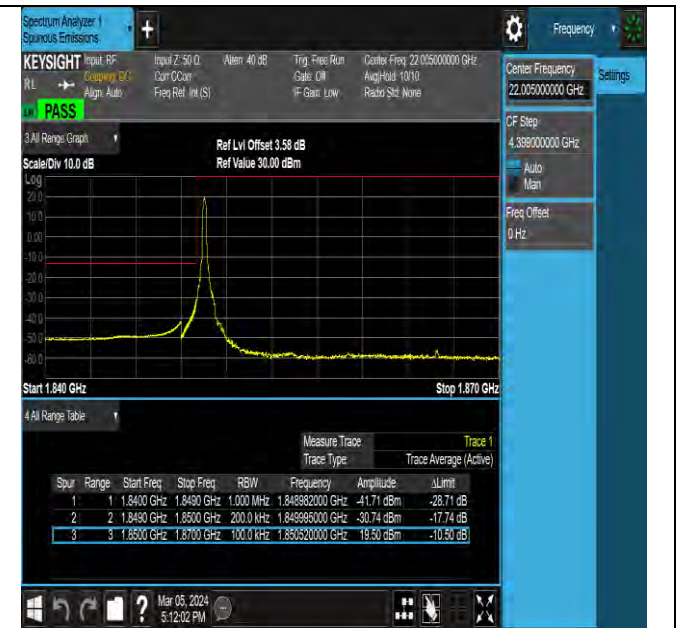
NTNV-N25-PC3-15-10-H-DFT-QPSK-Outter_Full-Ant0-PASS



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



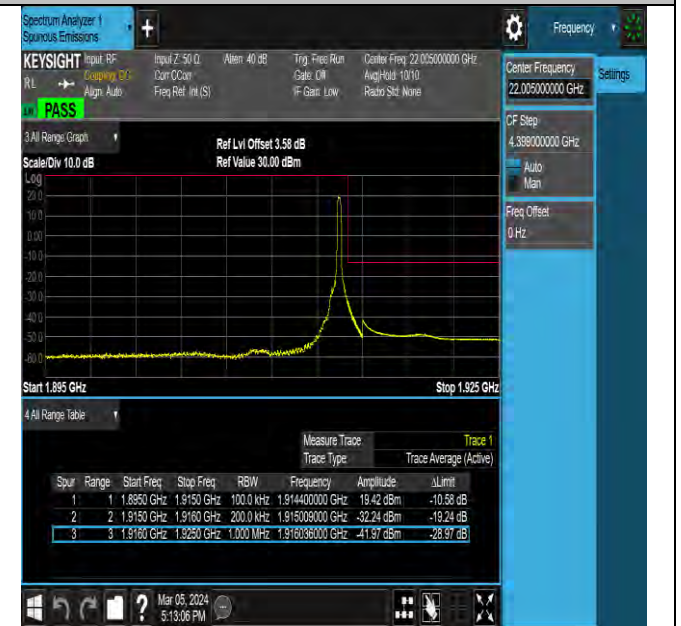
NTNV-N25-PC3-15-20-L-DFT-QPSK-Outer_Full-Ant0-PASS



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



The figure displays four screenshots of a Spectrum Analyzer interface, arranged in a 2x2 grid. Each screenshot shows a frequency spectrum plot with a yellow trace. The top status bar of each plot includes the following information:

- Top Left:** Spectrum Analyzer 1, Sweep SA, Keysight, Input RF, Input Z: 50 Ω, Ref Lvl Offset: 2.80 dB, Ref Level: 25.00 dBm, Scale/Div: 10 dB, Log, Trace 1 Pass.
- Top Center:** Center Frequency, Span, Start Freq, Stop Freq, CF Step, Freq Offset, X Axis Scale, Log, Lin, Signal Track (Scan Zoom).
- Top Right:** Input Z: 50 Ω, Ref Lvl Offset: 2.80 dB, Ref Level: 25.00 dBm, Scale/Div: 10 dB, Log, Trace 1 Pass.
- Bottom Left:** Start 0.0300 GHz, #Res BW 1.0 MHz, #Video BW 3.0 MHz, #Sweep 1.00 s (10001 pts).
- Bottom Center:** Mar 10, 2024, 3:51:28 PM.
- Bottom Right:** Mar 05, 2024, 4:58:02 PM.

The four screenshots correspond to the following antenna configurations:

- Top Left:** NTNV-N25-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA SS. The plot shows a signal at 877.780 MHz with a level of -48.991 dBm.
- Top Right:** NTNV-N25-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PA SS. The plot shows a signal at 19.313 15 GHz with a level of -35.642 dBm.
- Bottom Left:** NTNV-N25-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant0-P ASS. The plot shows a signal at 899.508 MHz with a level of -57.715 dBm.
- Bottom Right:** NTNV-N25-PC3-15-5-M-DFT-QPSK-Edge_1RB_Left-Ant0-P ASS. The plot shows a signal at 18.926 50 GHz with a level of -35.667 dBm.



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

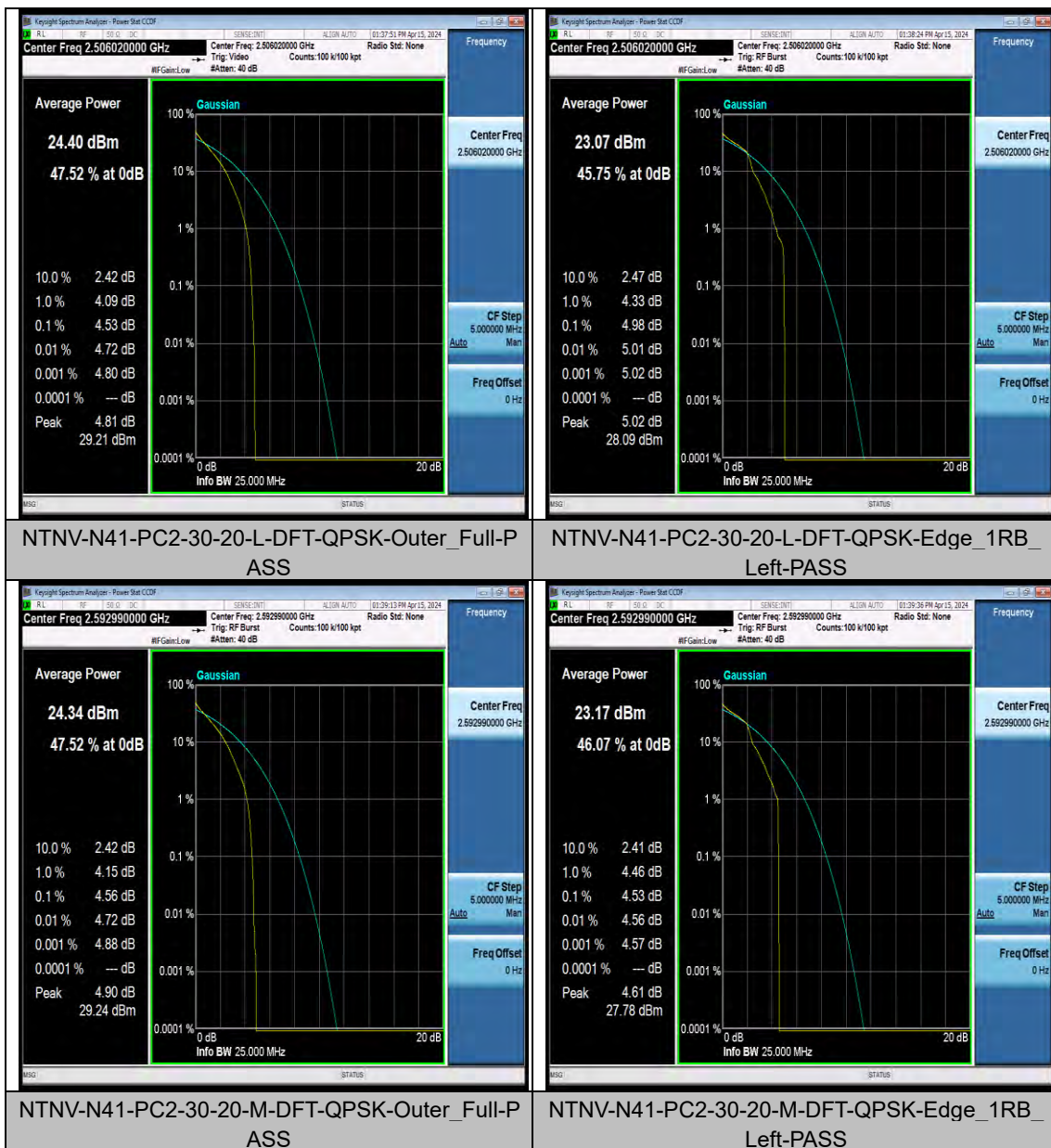
N41(INCLUDING N38)

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







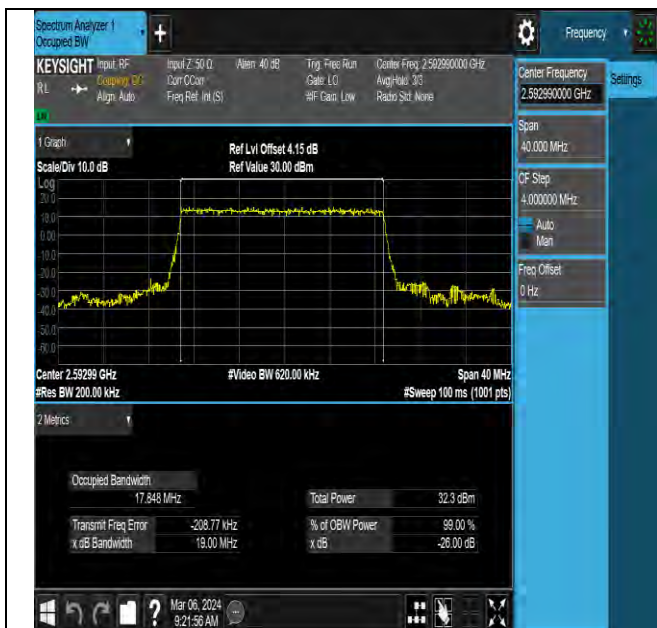
Test Report No.: PSU-QSU2312140113RF07

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

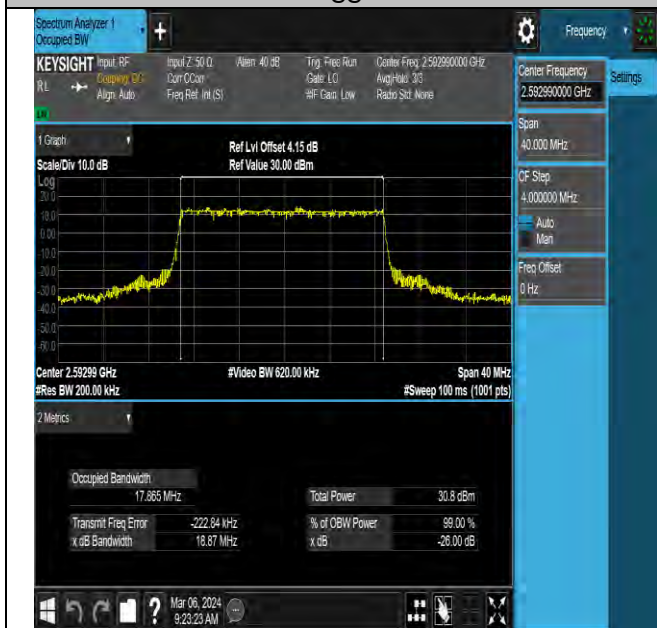
Test Graphs



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



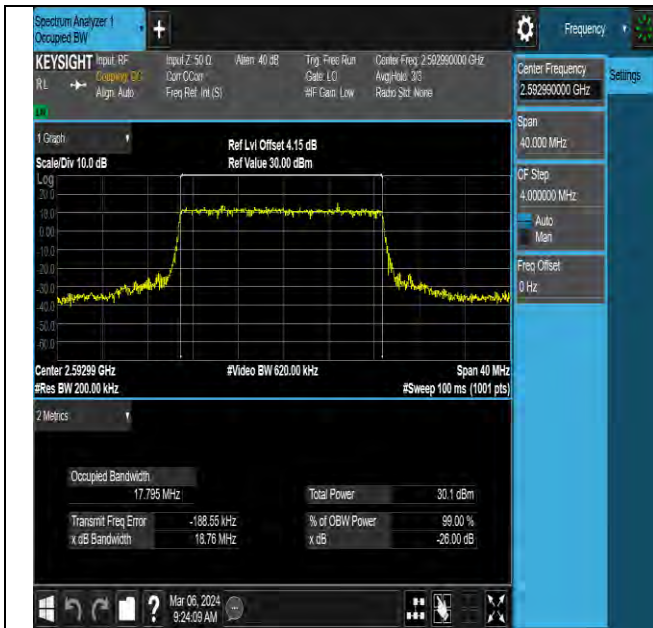
NTNV-N41-PC2-30-20-M-DFT-16QAM-Outet_Full-Ant2-PAS
S



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



Test Report No.: PSU-QSU2312140113RF07



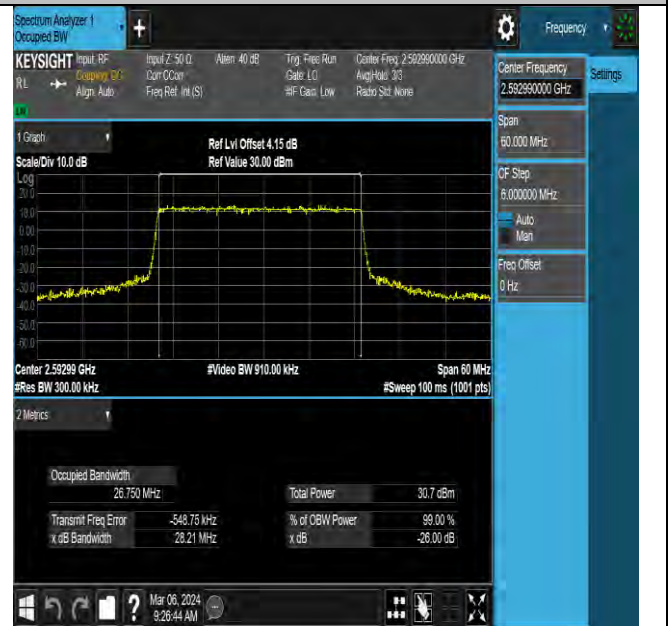
NTNV-N41-PC2-30-20-M-DFT-256QAM-Outet_Full-Ant2-PA
SS



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



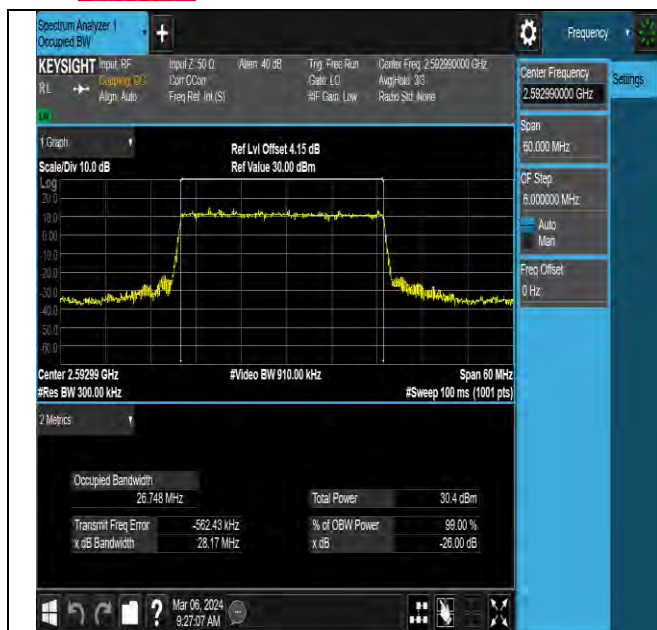
NTNV-N41-PC2-30-30-M-DFT-QPSK-Outet_Full-Ant2-PASS



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



Test Report No.: PSU-QSU2312140113RF07



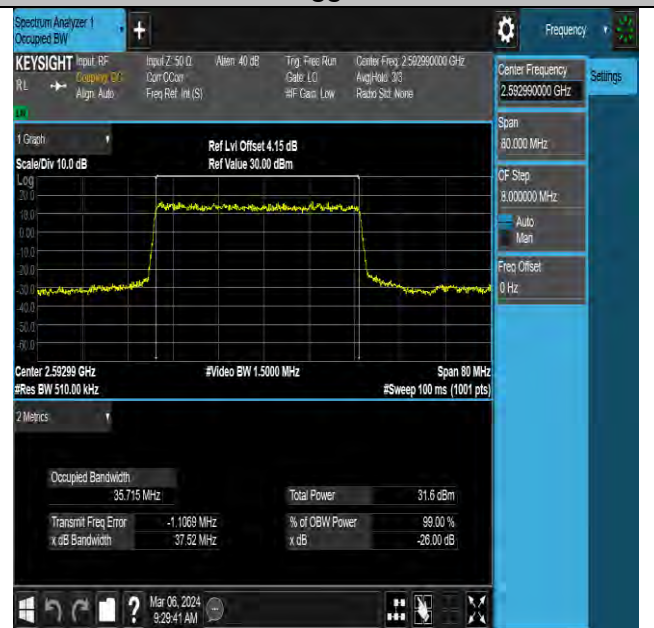
NTNV-N41-PC2-30-30-M-DFT-64QAM-Outer_Full-Ant2-PAS
S



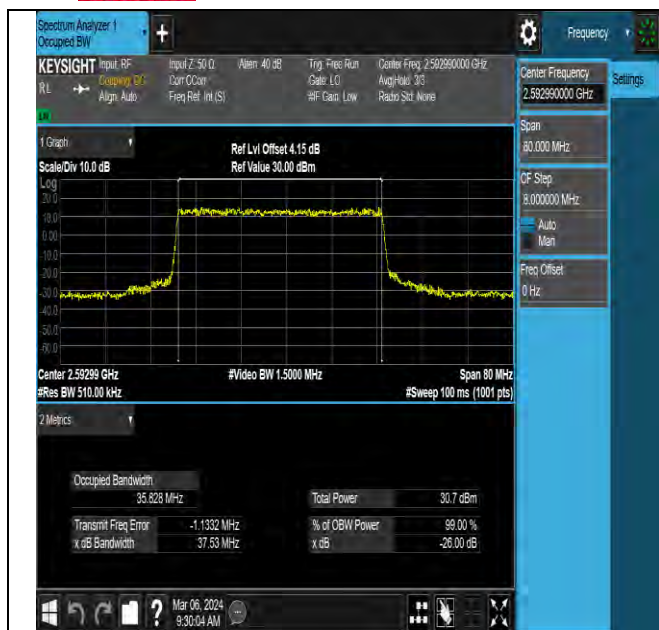
NTNV-N41-PC2-30-30-M-DFT-256QAM-Outer_Full-Ant2-PA
SS



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



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



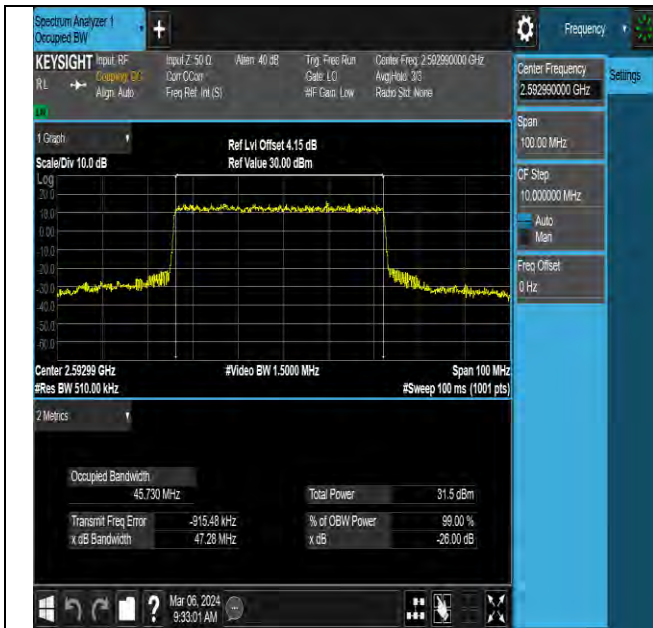
NTNV-N41-PC2-30-40-M-DFT-256QAM-Outer_Full-Ant2-PA
SS



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-Outter_Full-Ant2-PASS



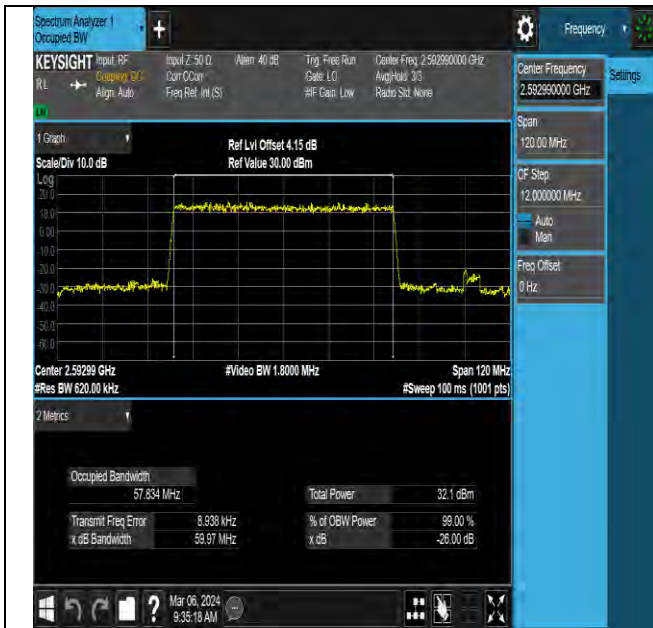
NTNV-N41-PC2-30-50-M-DFT-16QAM-Outter_Full-Ant2-PAS
S



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



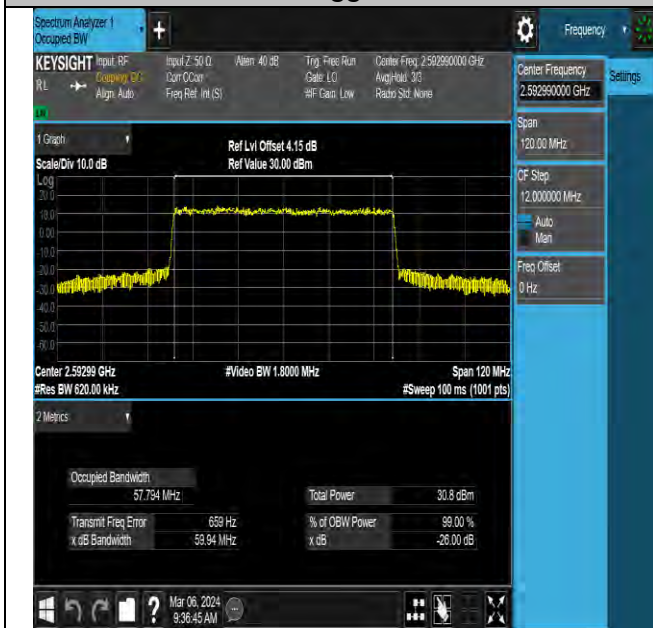
NTNV-N41-PC2-30-50-M-DFT-256QAM-Outter_Full-Ant2-PAS
SS



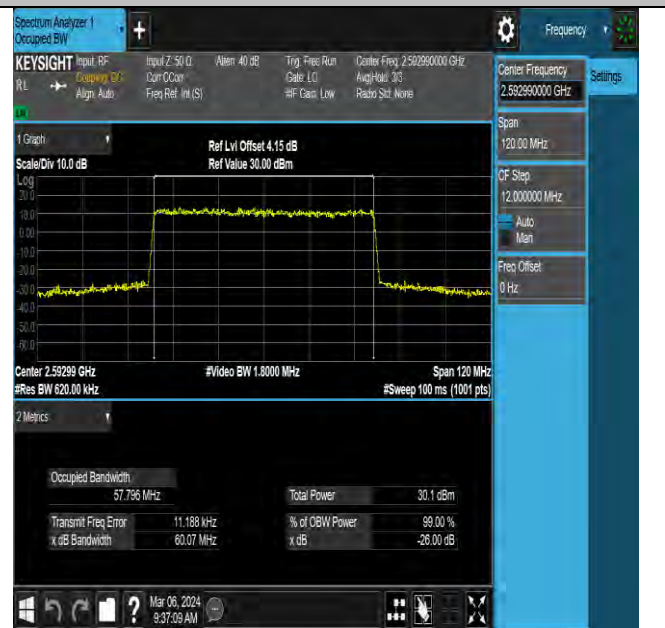
NTNV-N41-PC2-30-60-M-DFT-PI2BPSK-Outer_Full-Ant2-PASS
SS



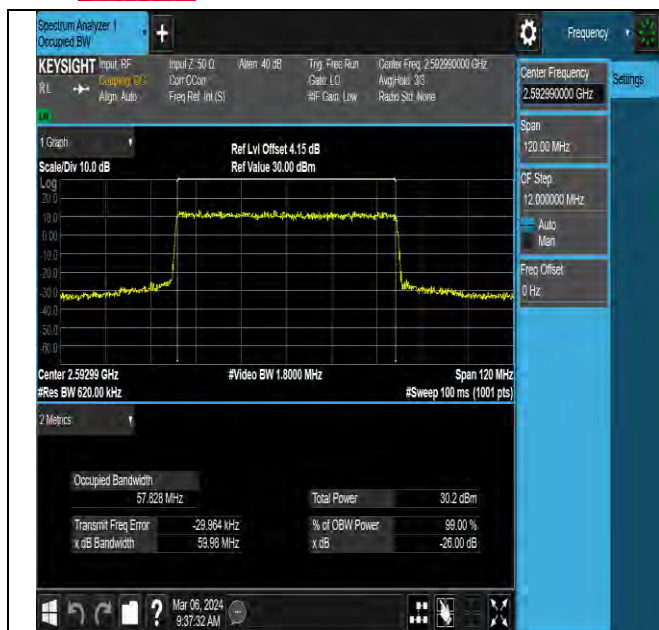
NTNV-N41-PC2-30-60-M-DFT-QPSK-Outer_Full-Ant2-PASS



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



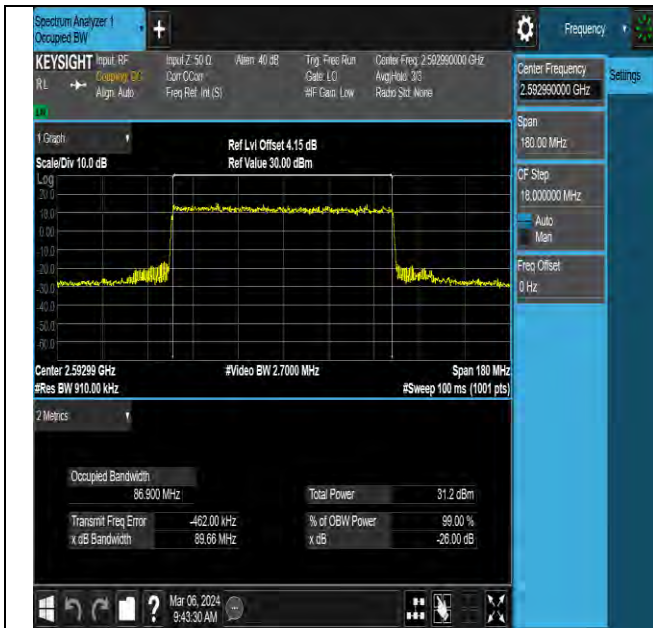
NTNV-N41-PC2-30-90-M-DFT-PI2BPSK-Outer_Full-Ant2-PA
SS



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



Test Report No.: PSU-QSU2312140113RF07



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



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



Test Report No.: PSU-QSU2312140113RF07

BAND EDGE FOR SA

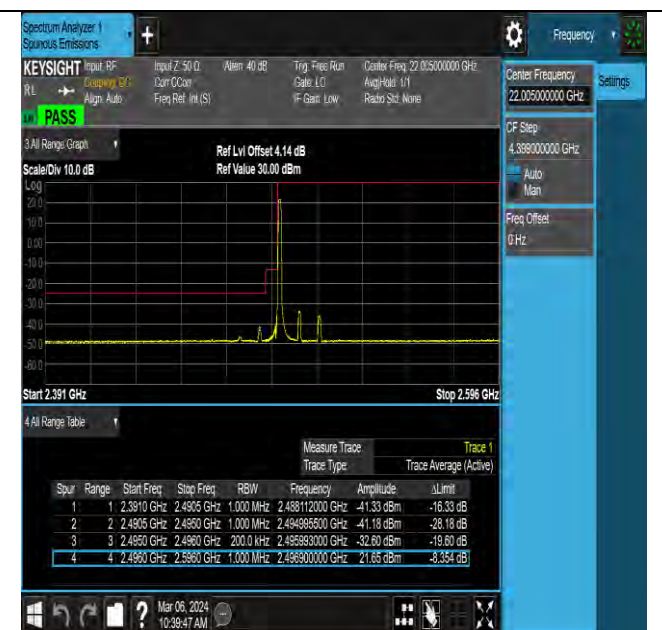
Test Result

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

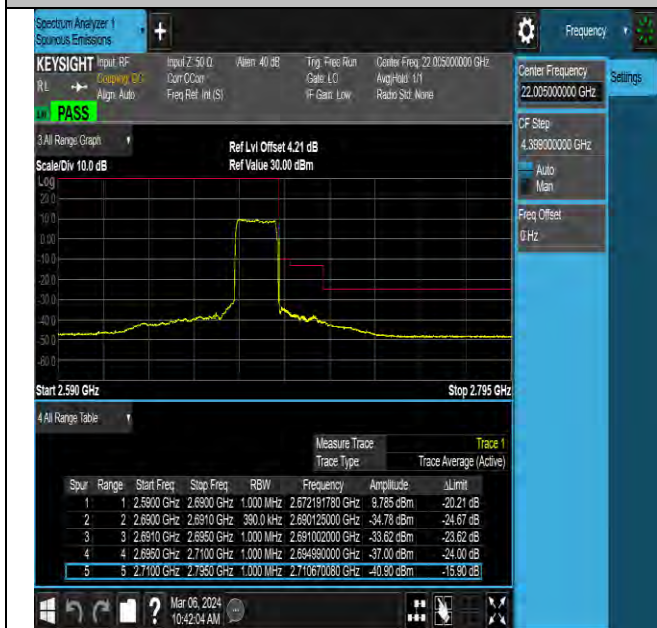
Test Graphs



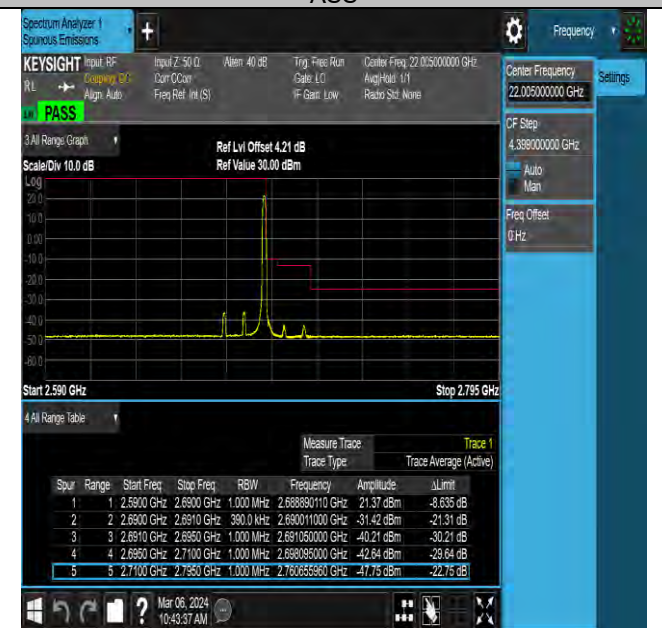
NTNV-N41-PC2-30-20-L-DFT-QPSK-Outer_Full-Ant2-PASS



NTNV-N41-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-Ant2-PASS



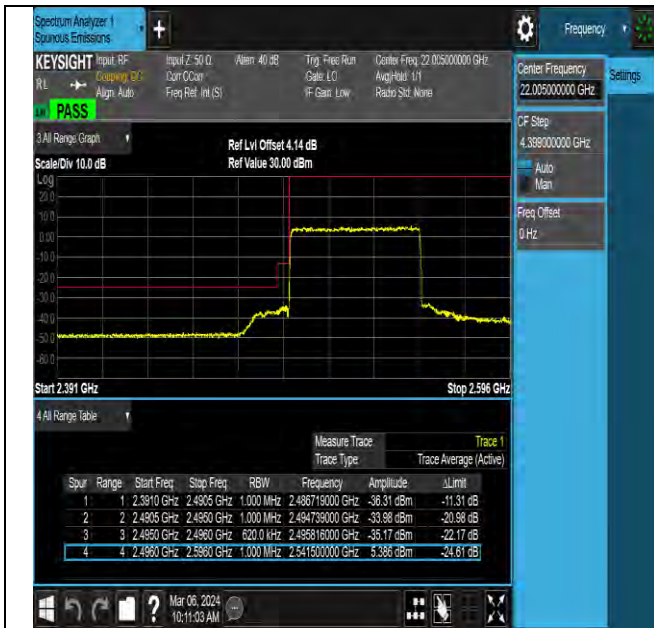
NTNV-N41-PC2-30-20-H-DFT-QPSK-Outer_Full-Ant2-PASS



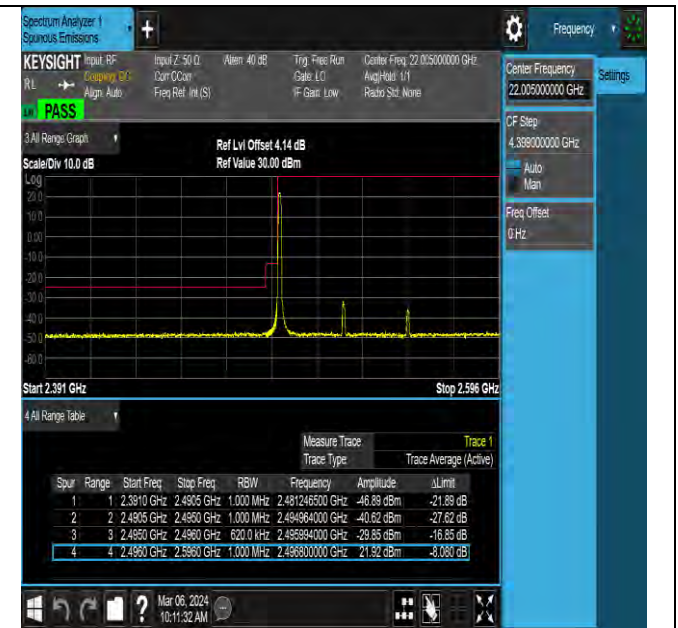
NTNV-N41-PC2-30-20-H-DFT-QPSK-Edge_1RB_Right-Ant2-PASS



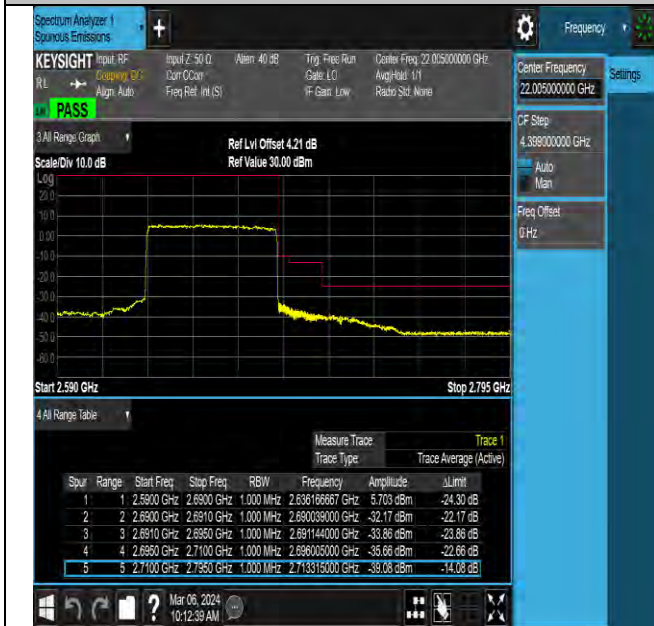
Test Report No.: PSU-QSU2312140113RF07



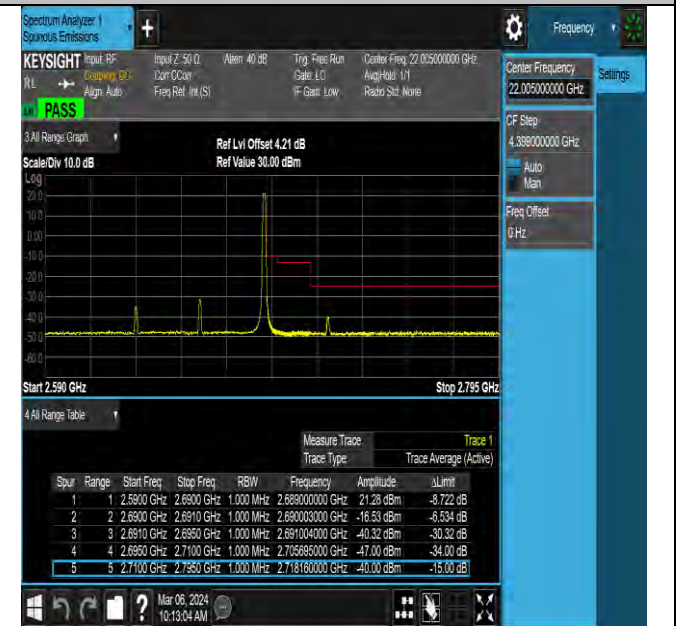
NTNV-N41-PC2-30-60-L-DFT-QPSK-Outer_Full-Ant2-PASS



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



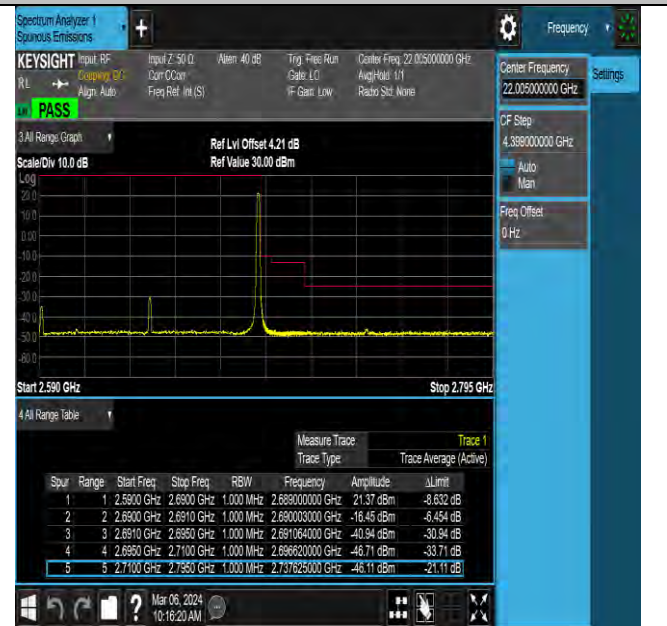
NTNV-N41-PC2-30-100-L-DFT-QPSK-Outer_Full-Ant2-PASS



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



The figure displays four screenshots of a Spectrum Analyzer (Spectrum Analyzer 1, Sweep SA) showing signal measurements for different antenna configurations and modulation schemes. Each screenshot includes a main display area with a spectrum plot, a top status bar with various parameters, and a right-hand settings panel.

Top Left Screenshot: Shows a signal at 914.155 MHz with a power level of -48.293 dBm. The center frequency is 515.000000 MHz. The span is 970.000000 MHz. The start frequency is 30.000000 MHz, and the stop frequency is 1.000000000 GHz. The CF step is 97.000000 MHz. The X-axis scale is Log. The Y-axis scale is 10 dB. The video bandwidth is 3.0 MHz. The resolution bandwidth is 1.0 MHz. The sweep rate is 1.00 s (10001 pts). The signal is identified as NTNV-N41-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-Ant2-P ASS.

Top Right Screenshot: Shows a signal at 26.296 05 GHz with a power level of -29.778 dBm. The center frequency is 14.00000000 GHz. The span is 26.000000 GHz. The start frequency is 1.000000000 GHz, and the stop frequency is 27.00000000 GHz. The CF step is 2.600000000 GHz. The X-axis scale is Log. The Y-axis scale is 10 dB. The video bandwidth is 3.0 MHz. The resolution bandwidth is 1.0 MHz. The sweep rate is 1.00 s (40001 pts). The signal is identified as NTNV-N41-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-Ant2-P ASS.

Bottom Left Screenshot: Shows a signal at 900.090 MHz with a power level of -48.226 dBm. The center frequency is 515.000000 MHz. The span is 970.000000 MHz. The start frequency is 30.000000 MHz, and the stop frequency is 1.000000000 GHz. The CF step is 97.000000 MHz. The X-axis scale is Log. The Y-axis scale is 10 dB. The video bandwidth is 3.0 MHz. The resolution bandwidth is 1.0 MHz. The sweep rate is 1.00 s (10001 pts). The signal is identified as NTNV-N41-PC2-30-20-M-DFT-QPSK-Edge_1RB_Left-Ant2-P ASS.

Bottom Right Screenshot: Shows a signal at 26.328 55 GHz with a power level of -30.584 dBm. The center frequency is 14.00000000 GHz. The span is 26.000000 GHz. The start frequency is 1.000000000 GHz, and the stop frequency is 27.00000000 GHz. The CF step is 2.600000000 GHz. The X-axis scale is Log. The Y-axis scale is 10 dB. The video bandwidth is 3.0 MHz. The resolution bandwidth is 1.0 MHz. The sweep rate is 1.00 s (40001 pts). The signal is identified as NTNV-N41-PC2-30-20-M-DFT-QPSK-Edge_1RB_Left-Ant2-P ASS.



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-PASS



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



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



BUREAU
VERITAS

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



BUREAU
VERITAS

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)

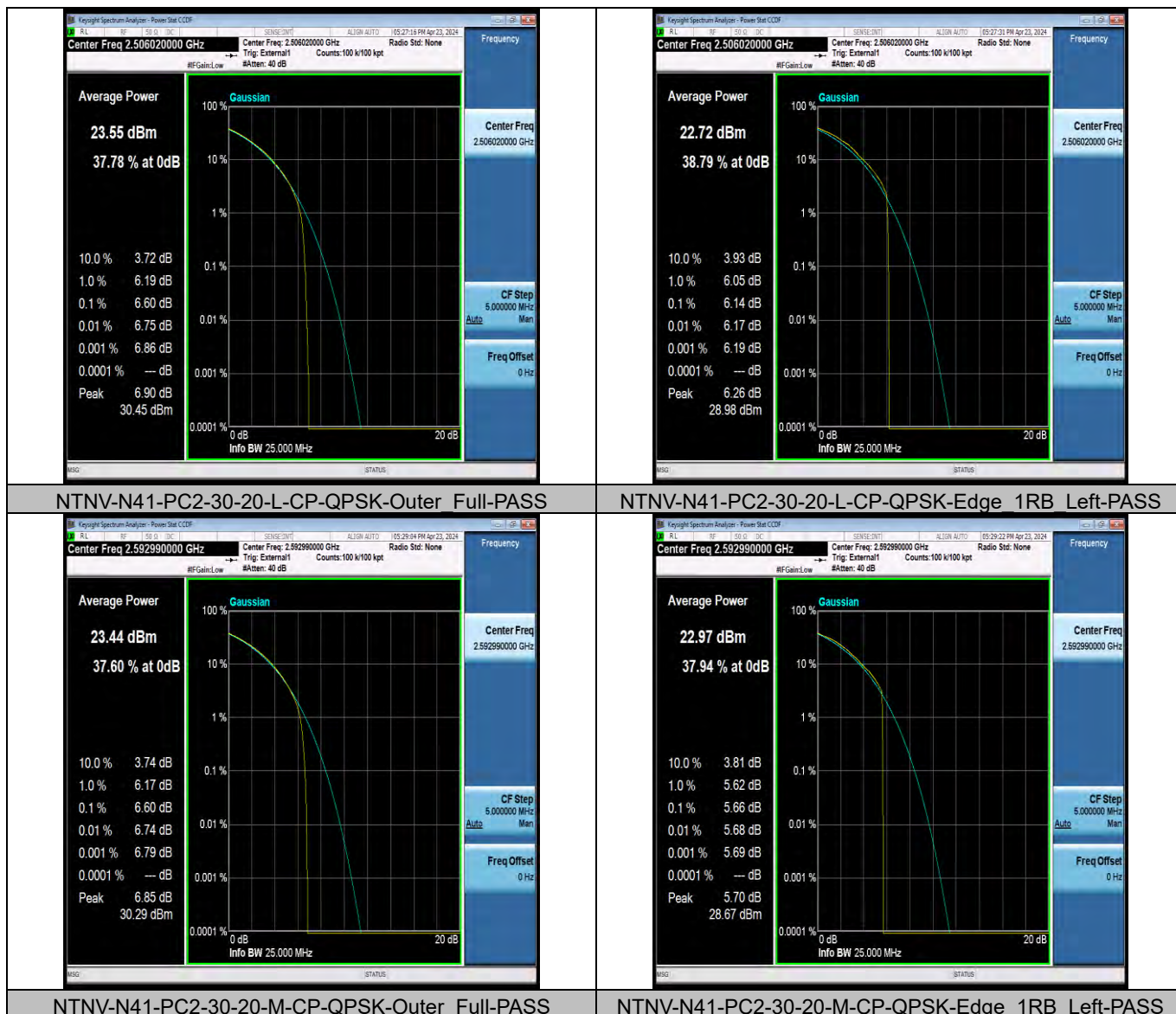
Test Result-Ant2

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

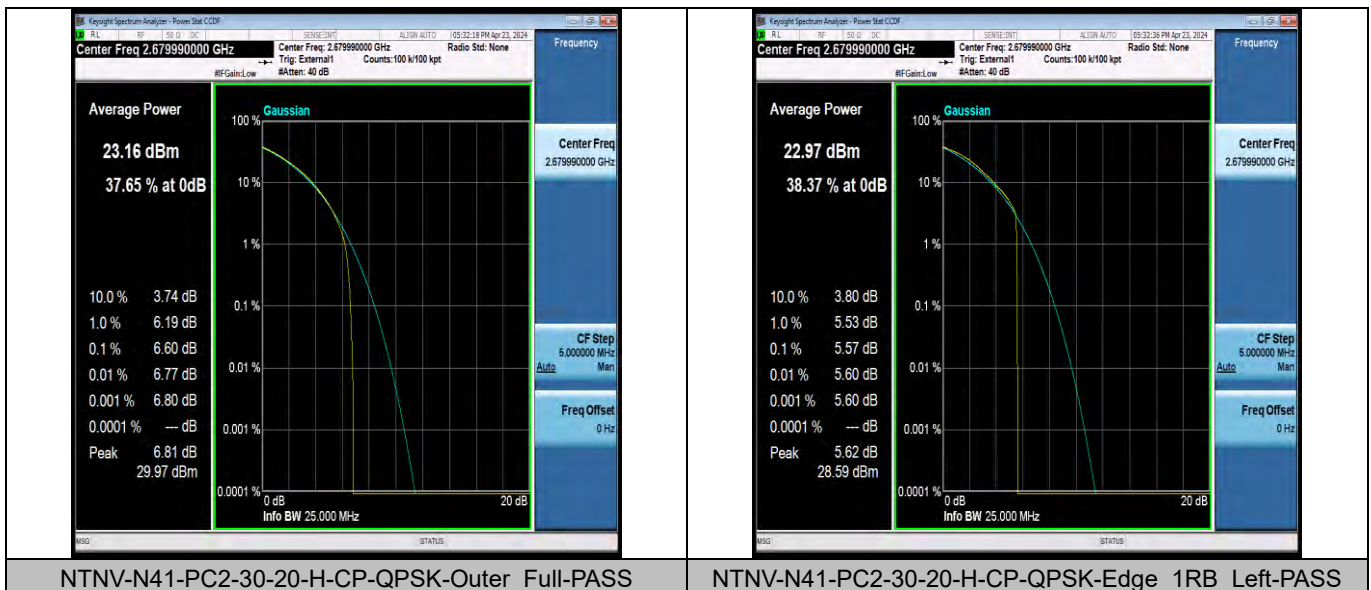
Test Graphs-Ant2





BUREAU
VERITAS

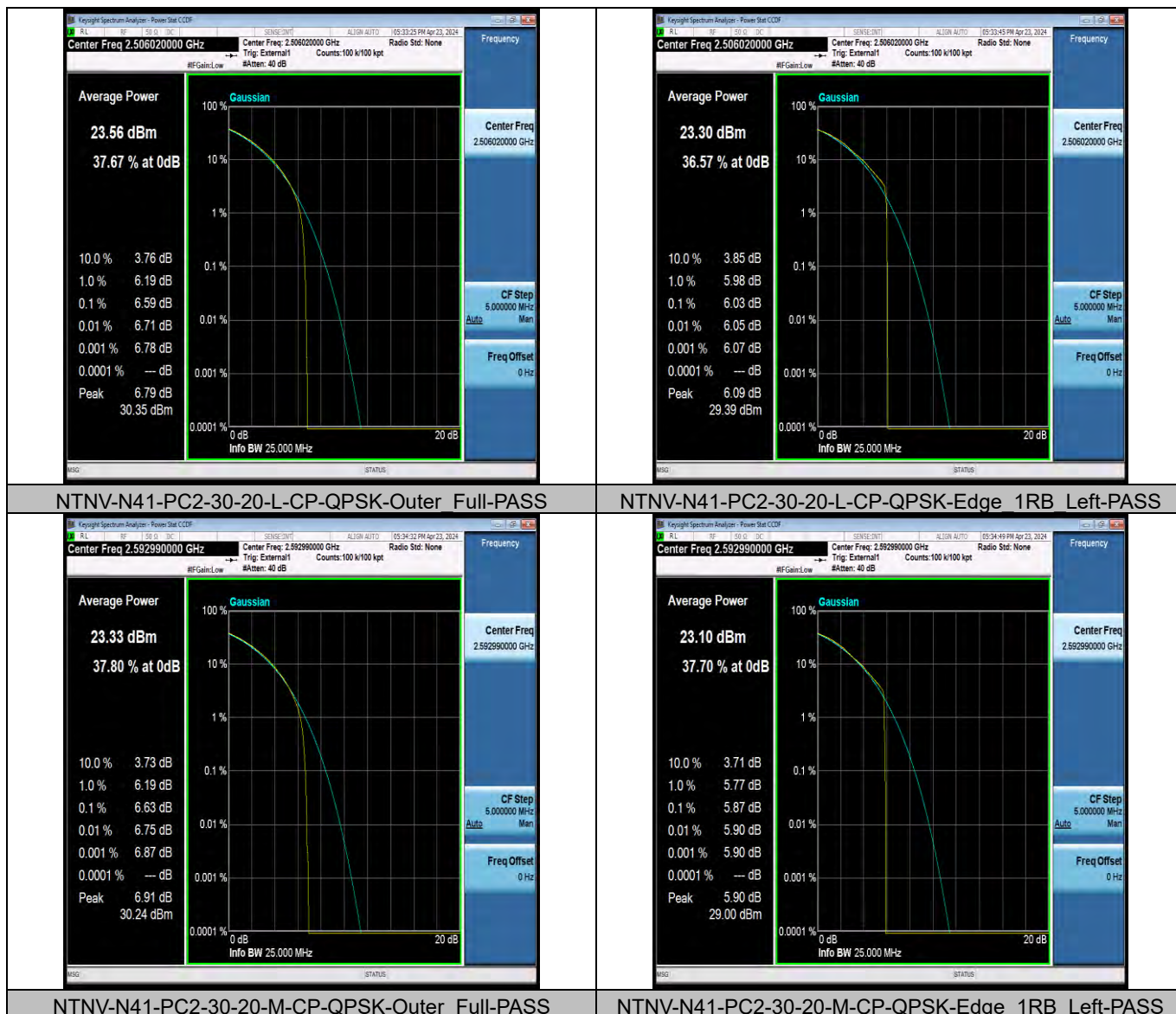
Test Report No.: PSU-QSU2312140113RF07



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

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

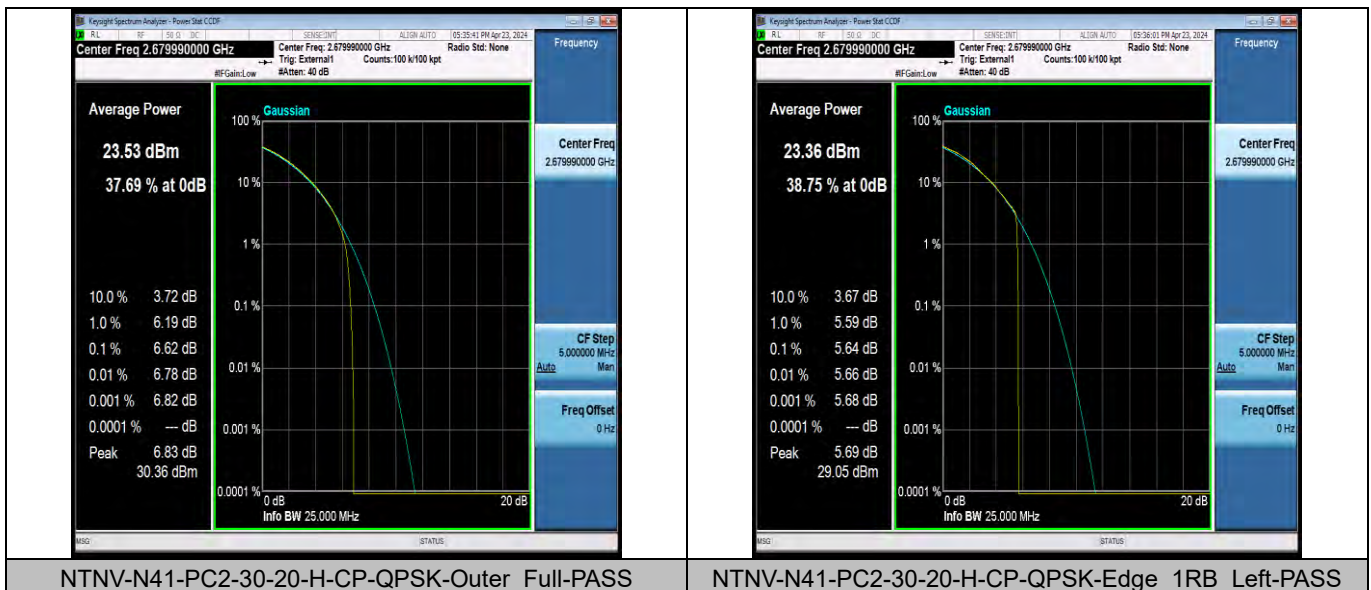
Test Graphs-Ant1





BUREAU
VERITAS

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

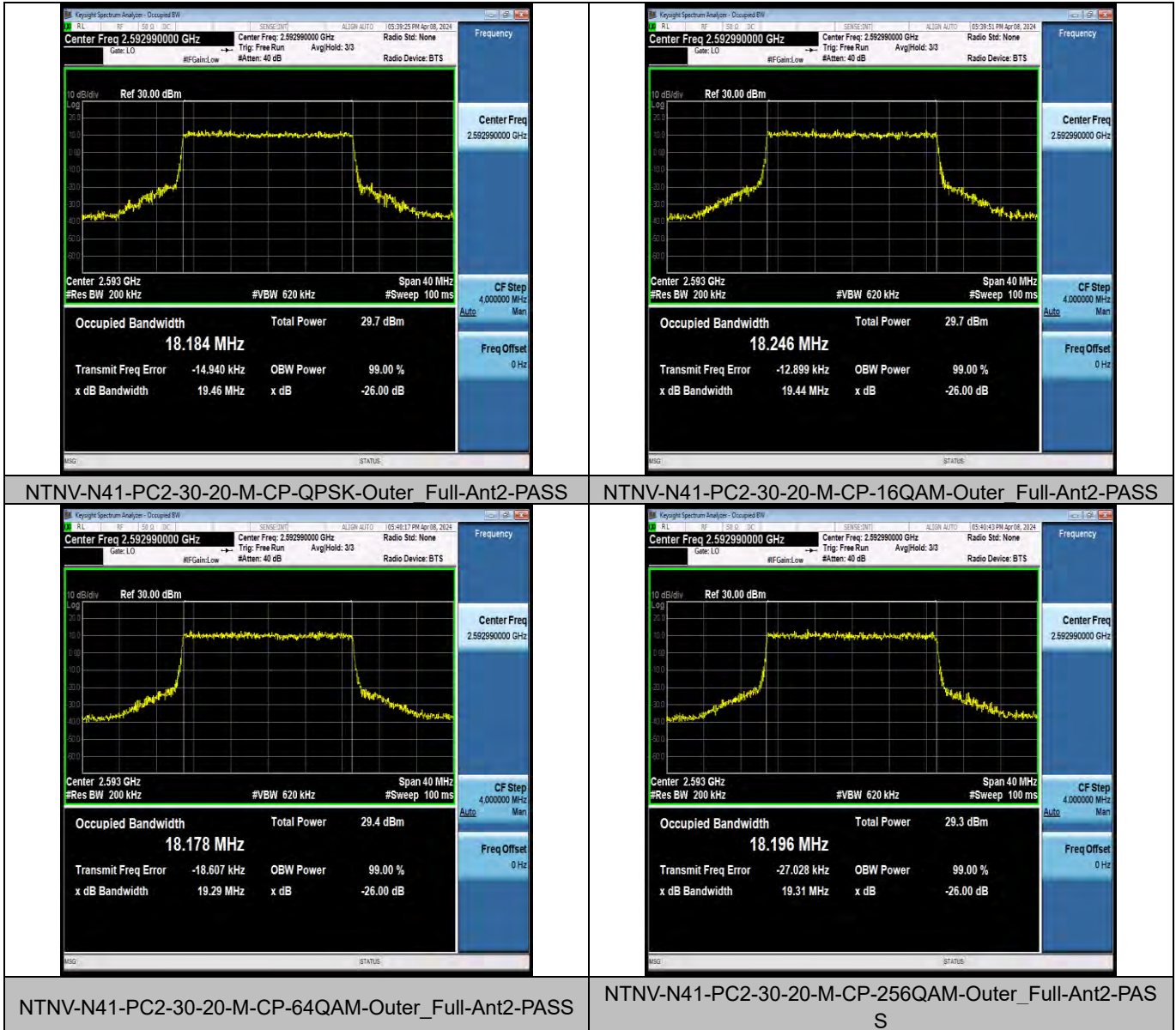
Test Result-Ant1

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





BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07



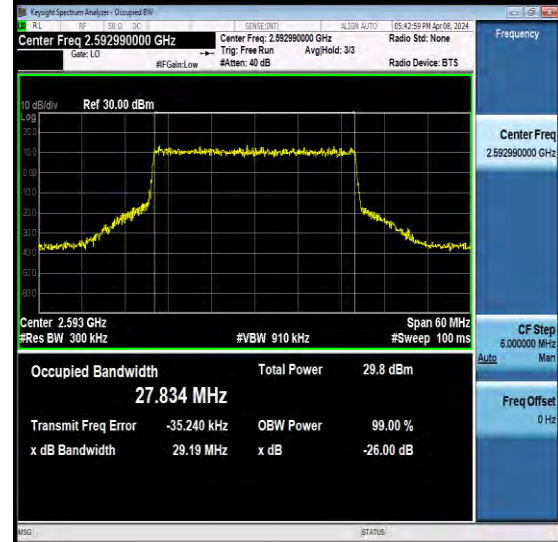
NTNV-N41-PC2-30-30-M-CP-QPSK-Outer Full-Ant2-PASS



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