



Test Report No.: PSU-QSU2312140113RF07

FREQUENCY STABILITY FOR MIMO

Test Result-Ant2

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	20	CP-QPSK	L	Outer Full	VL	NT	12.000000	0.004788	PASS
N41	30	20	CP-QPSK	L	Outer Full	VN	NT	8.000000	0.003192	PASS
N41	30	20	CP-QPSK	L	Outer Full	VH	NT	10.000000	0.003989	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	-30	19.000000	0.007582	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	-20	9.000000	0.003591	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	-10	11.000000	0.004389	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	0	10.000000	0.003989	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	10	12.000000	0.004788	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	20	2.000000	0.000798	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	30	1.000000	0.000399	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	40	18.000000	0.007183	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	50	1.000000	0.000399	PASS
N41	30	20	CP-QPSK	M	Outer Full	VL	NT	13.000000	0.005014	PASS
N41	30	20	CP-QPSK	M	Outer Full	VN	NT	15.000000	0.005785	PASS
N41	30	20	CP-QPSK	M	Outer Full	VH	NT	10.000000	0.003857	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	-30	8.000000	0.003085	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	-20	14.000000	0.005399	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	-10	9.000000	0.003471	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	0	15.000000	0.005785	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	10	17.000000	0.006556	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	20	14.000000	0.005399	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	30	6.000000	0.002314	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	40	15.000000	0.005785	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	50	17.000000	0.006556	PASS
N41	30	20	CP-QPSK	H	Outer Full	VL	NT	13.000000	0.004851	PASS
N41	30	20	CP-QPSK	H	Outer Full	VN	NT	12.000000	0.004478	PASS
N41	30	20	CP-QPSK	H	Outer Full	VH	NT	5.000000	0.001866	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	-30	4.000000	0.001493	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	-20	18.000000	0.006716	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	-10	15.000000	0.005597	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	0	7.000000	0.002612	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	10	9.000000	0.003358	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	20	11.000000	0.004104	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	30	1.000000	0.000373	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	40	15.000000	0.005597	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	50	2.000000	0.000746	PASS



Test Report No.: PSU-QSU2312140113RF07

Test Result-Ant1

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Voltage	Temperature	Deviation(Hz)	Deviation (ppm)	Verdict
N41	30	20	CP-QPSK	L	Outer Full	VL	NT	7.000000	0.002793	PASS
N41	30	20	CP-QPSK	L	Outer Full	VN	NT	3.000000	0.001197	PASS
N41	30	20	CP-QPSK	L	Outer Full	VH	NT	11.000000	0.004389	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	-30	10.000000	0.003989	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	-20	19.000000	0.007582	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	-10	6.000000	0.002394	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	0	5.000000	0.001994	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	10	10.000000	0.003989	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	20	2.000000	0.000798	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	30	7.000000	0.002793	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	40	6.000000	0.002394	PASS
N41	30	20	CP-QPSK	L	Outer Full	NV	50	1.000000	0.000399	PASS
N41	30	20	CP-QPSK	M	Outer Full	VL	NT	10.000000	0.003857	PASS
N41	30	20	CP-QPSK	M	Outer Full	VN	NT	8.000000	0.003085	PASS
N41	30	20	CP-QPSK	M	Outer Full	VH	NT	7.000000	0.002700	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	-30	3.000000	0.001157	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	-20	18.000000	0.006942	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	-10	1.000000	0.000386	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	0	19.000000	0.007327	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	10	12.000000	0.004628	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	20	14.000000	0.005399	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	30	16.000000	0.006170	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	40	6.000000	0.002314	PASS
N41	30	20	CP-QPSK	M	Outer Full	NV	50	12.000000	0.004628	PASS
N41	30	20	CP-QPSK	H	Outer Full	VL	NT	14.000000	0.005224	PASS
N41	30	20	CP-QPSK	H	Outer Full	VN	NT	9.000000	0.003358	PASS
N41	30	20	CP-QPSK	H	Outer Full	VH	NT	18.000000	0.006716	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	-30	5.000000	0.001866	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	-20	13.000000	0.004851	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	-10	12.000000	0.004478	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	0	11.000000	0.004104	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	10	4.000000	0.001493	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	20	3.000000	0.001119	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	30	5.000000	0.001866	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	40	7.000000	0.002612	PASS
N41	30	20	CP-QPSK	H	Outer Full	NV	50	3.000000	0.001119	PASS



Test Report No.: PSU-QSU2312140113RF07

N66

PEAK-TO-AVERAGE RATIO(CCDF)

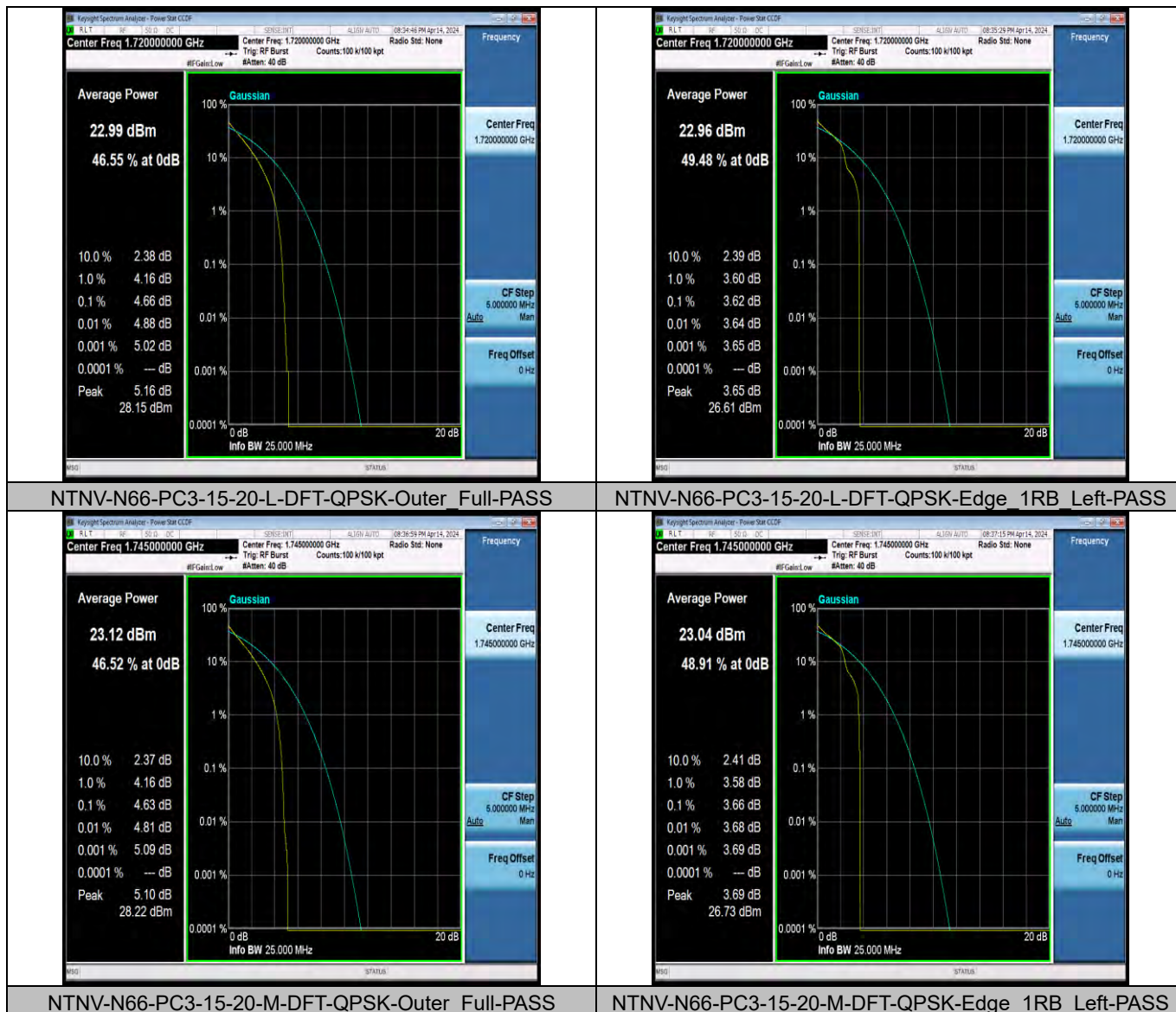
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N66	15	20	DFT-QPSK	L	Outer_Full	4.66	≤ 13	PASS
N66	15	20	DFT-QPSK	L	Edge_1RB_Left	3.62	≤ 13	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	4.63	≤ 13	PASS
N66	15	20	DFT-QPSK	M	Edge_1RB_Left	3.66	≤ 13	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	4.63	≤ 13	PASS
N66	15	20	DFT-QPSK	H	Edge_1RB_Left	4.57	≤ 13	PASS



Test Report No.: PSU-QSU2312140113RF07

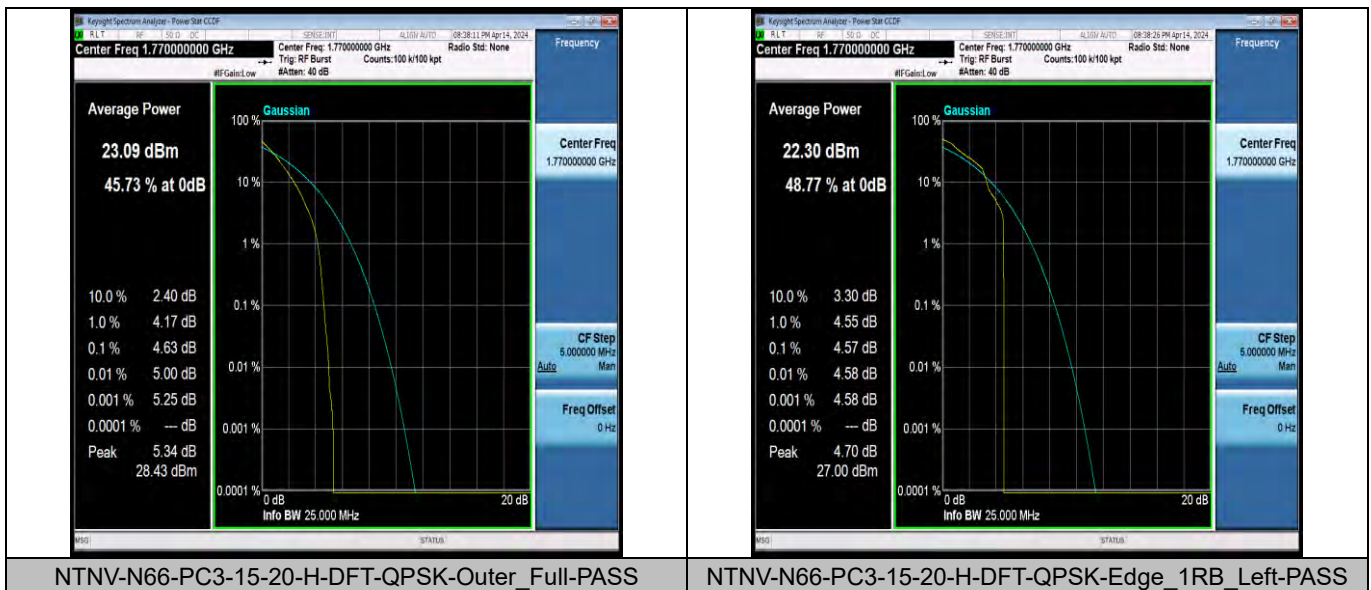
Test Graphs





BUREAU
VERITAS

Test Report No.: PSU-QSU2312140113RF07

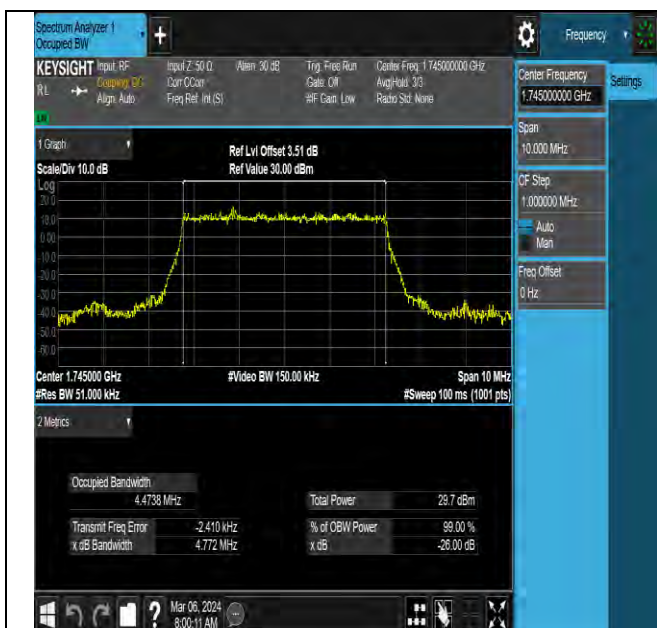


26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N66	15	5	DFT-PI2BPSK	M	Outer_Full	4.4738	4.772	PASS
N66	15	5	DFT-QPSK	M	Outer_Full	4.4568	4.835	PASS
N66	15	5	DFT-16QAM	M	Outer_Full	4.4560	4.765	PASS
N66	15	5	DFT-64QAM	M	Outer_Full	4.4667	4.816	PASS
N66	15	5	DFT-256QAM	M	Outer_Full	4.4666	4.820	PASS
N66	15	10	DFT-PI2BPSK	M	Outer_Full	8.9156	9.468	PASS
N66	15	10	DFT-QPSK	M	Outer_Full	8.9077	9.475	PASS
N66	15	10	DFT-16QAM	M	Outer_Full	8.9183	9.448	PASS
N66	15	10	DFT-64QAM	M	Outer_Full	8.9102	9.430	PASS
N66	15	10	DFT-256QAM	M	Outer_Full	8.9136	9.362	PASS
N66	15	15	DFT-PI2BPSK	M	Outer_Full	13.401	14.10	PASS
N66	15	15	DFT-QPSK	M	Outer_Full	13.386	14.12	PASS
N66	15	15	DFT-16QAM	M	Outer_Full	13.412	14.18	PASS
N66	15	15	DFT-64QAM	M	Outer_Full	13.384	14.10	PASS
N66	15	15	DFT-256QAM	M	Outer_Full	13.406	14.07	PASS
N66	15	20	DFT-PI2BPSK	M	Outer_Full	17.867	18.59	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	17.891	18.75	PASS
N66	15	20	DFT-16QAM	M	Outer_Full	17.899	18.68	PASS
N66	15	20	DFT-64QAM	M	Outer_Full	17.884	18.70	PASS
N66	15	20	DFT-256QAM	M	Outer_Full	17.879	18.66	PASS

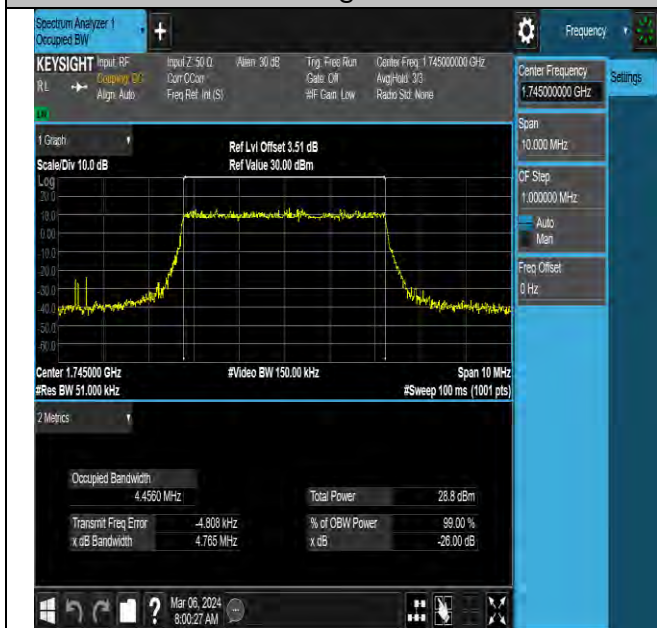
Test Graphs



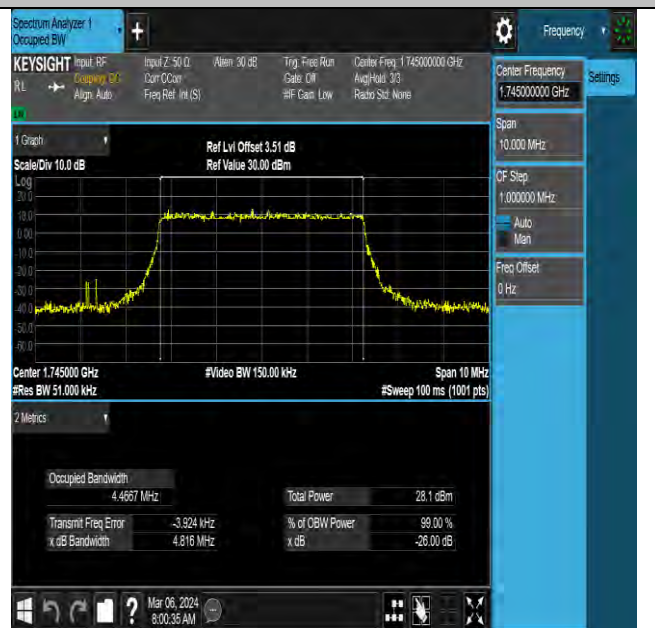
NTNV-N66-PC3-15-5-M-DFT-PI2BPSK-Outet_Full-Ant1-PASS
S



NTNV-N66-PC3-15-5-M-DFT-QPSK-Outet_Full-Ant1-PASS



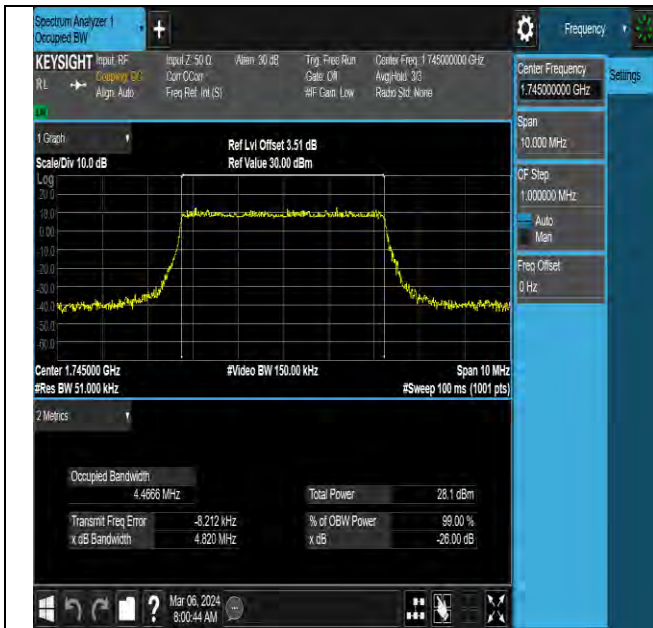
NTNV-N66-PC3-15-5-M-DFT-16QAM-Outet_Full-Ant1-PASS



NTNV-N66-PC3-15-5-M-DFT-64QAM-Outet_Full-Ant1-PASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N66-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant1-PAS
S



NTNV-N66-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant1-PA
SS



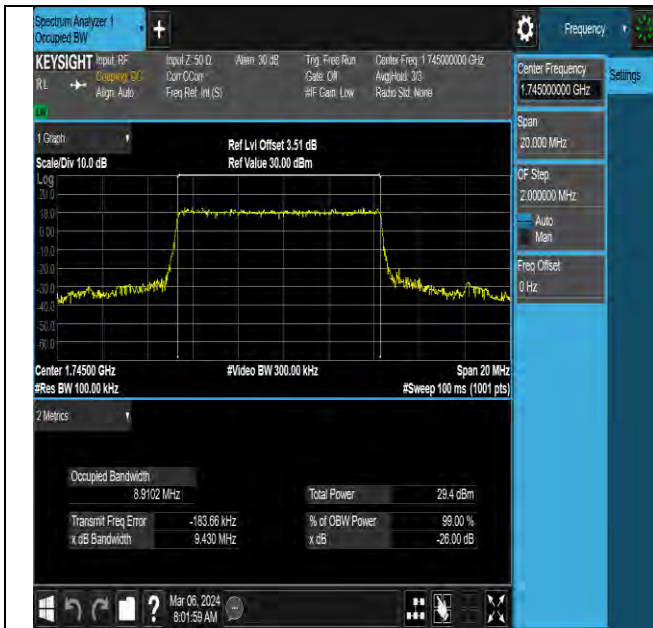
NTNV-N66-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N66-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant1-PAS
S



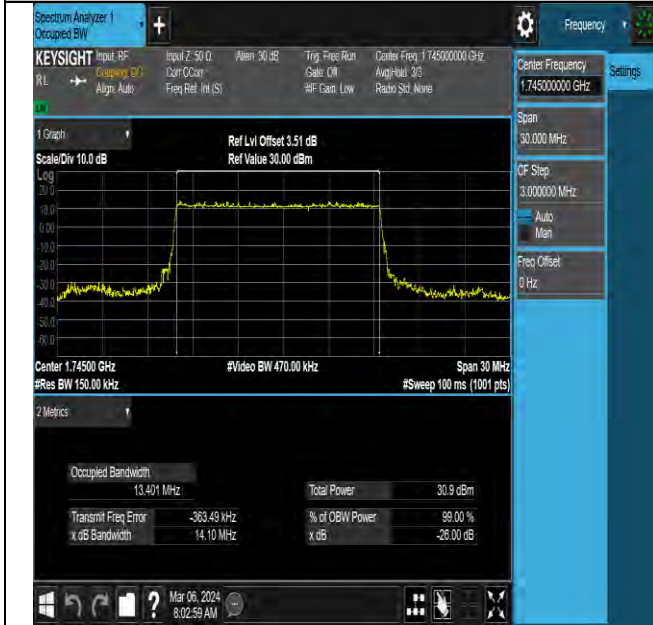
Test Report No.: PSU-QSU2312140113RF07



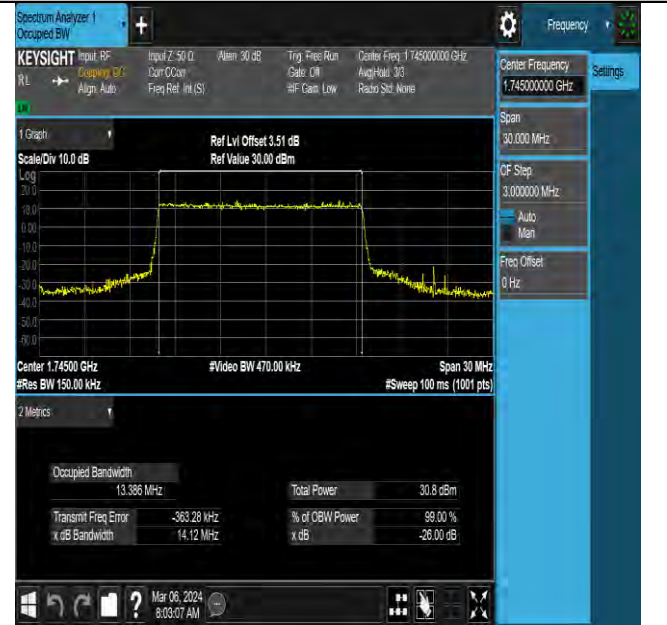
NTNV-N66-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant1-PAS
S



NTNV-N66-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant1-PA
SS



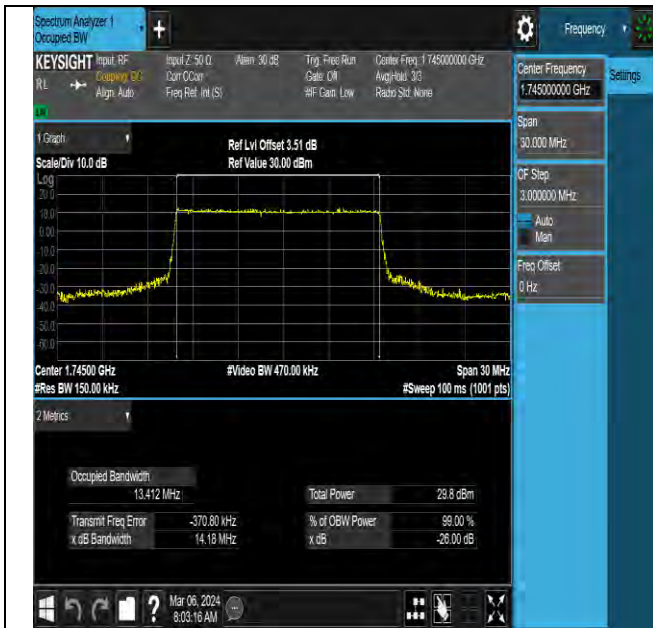
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SS



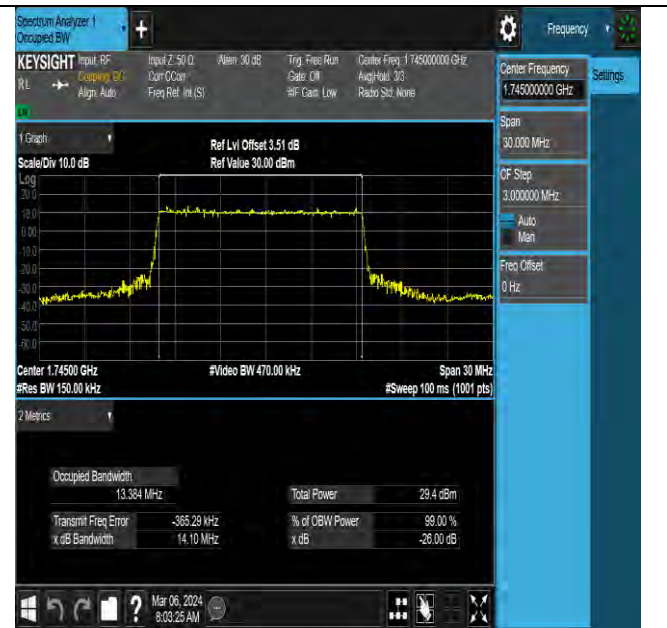
NTNV-N66-PC3-15-15-M-DFT-QPSK-Outer_Full-Ant1-PASS



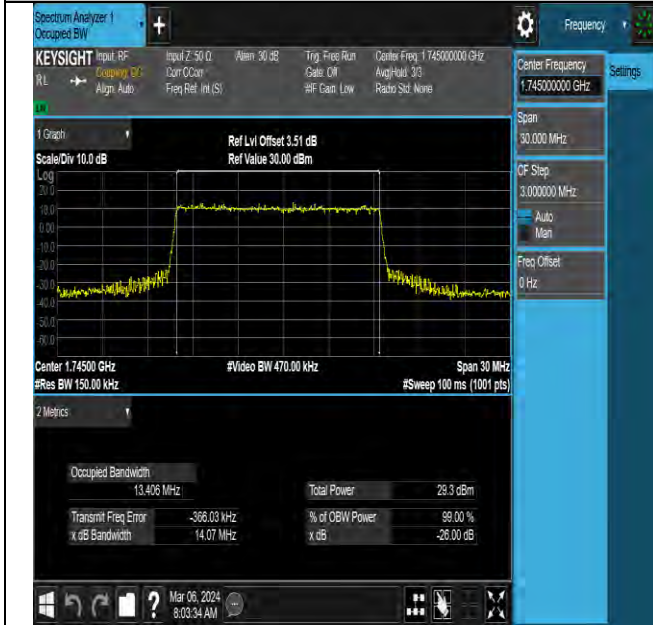
Test Report No.: PSU-QSU2312140113RF07



NTNV-N66-PC3-15-15-M-DFT-16QAM-Outer_Full-Ant1-PAS
S



NTNV-N66-PC3-15-15-M-DFT-64QAM-Outer_Full-Ant1-PAS
S



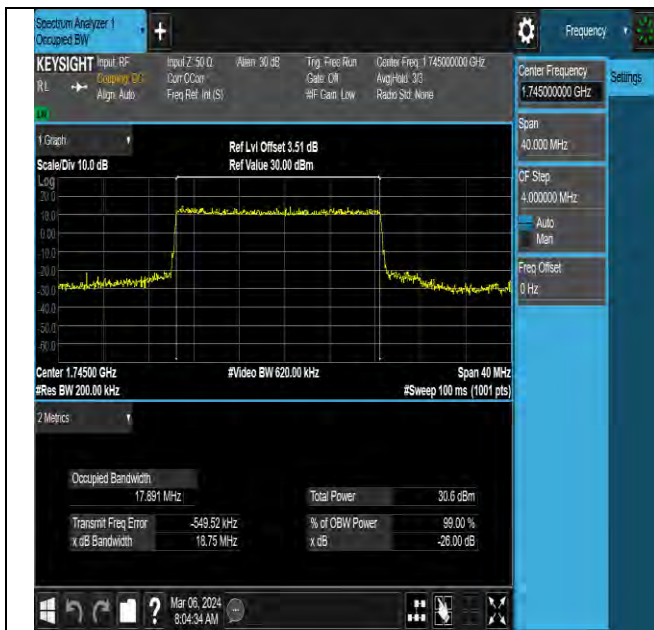
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SS



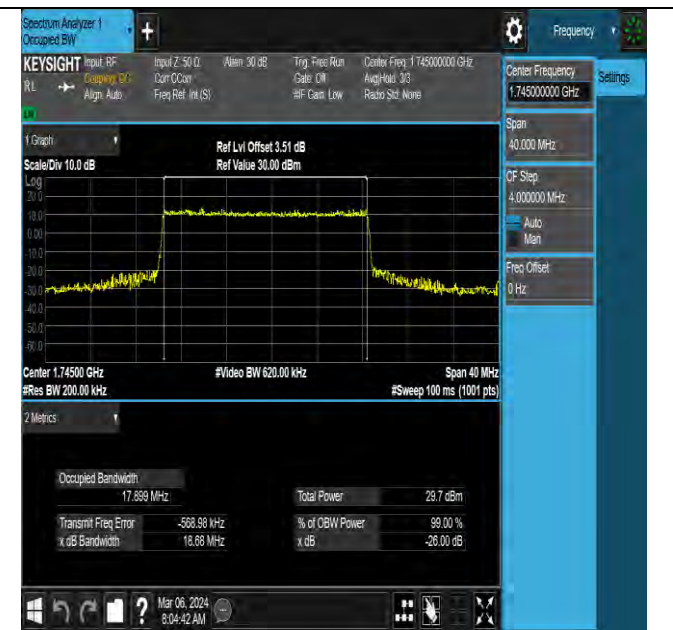
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SS



Test Report No.: PSU-QSU2312140113RF07



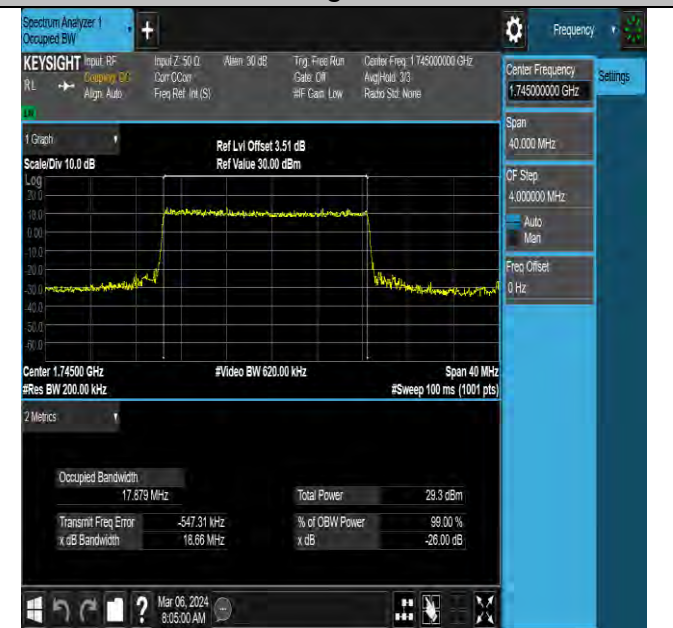
NTNV-N66-PC3-15-20-M-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N66-PC3-15-20-M-DFT-16QAM-Outer_Full-Ant1-PASS



NTNV-N66-PC3-15-20-M-DFT-64QAM-Outer_Full-Ant1-PASS



NTNV-N66-PC3-15-20-M-DFT-256QAM-Outer_Full-Ant1-PASS



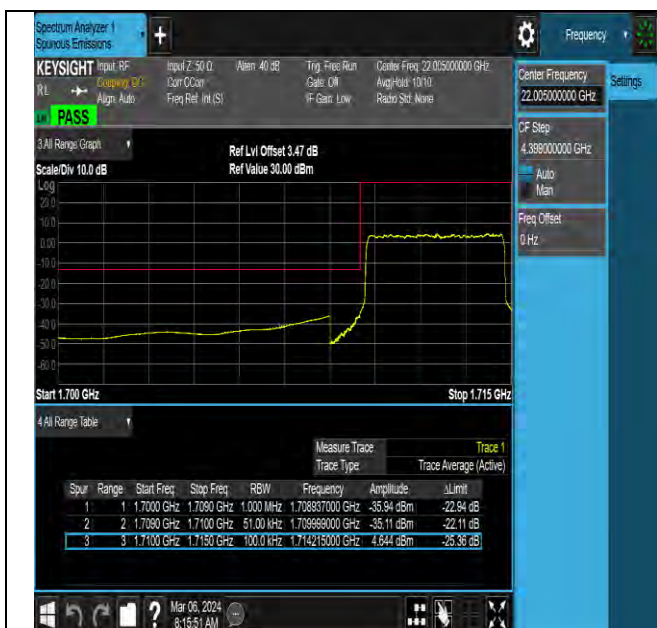
Test Report No.: PSU-QSU2312140113RF07

BAND EDGE FOR SA

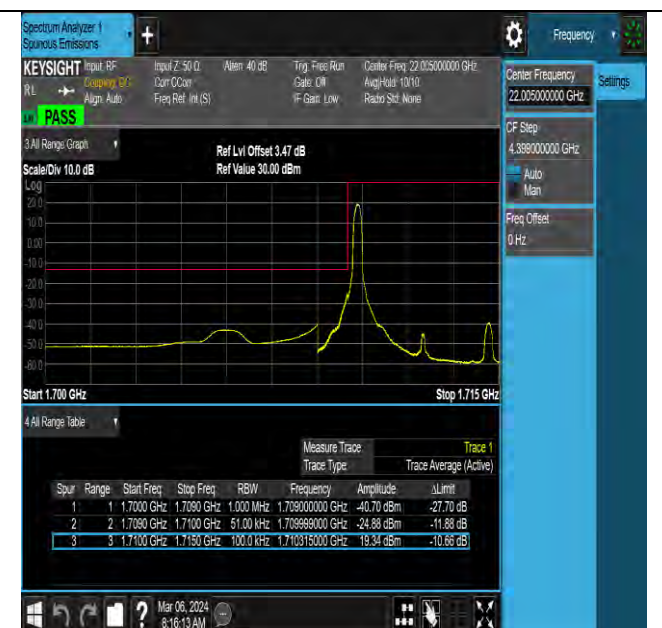
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N66	15	5	DFT-QPSK	L	Outer_Full	-35.11	PASS
N66	15	5	DFT-QPSK	L	Edge_1RB_Left	-24.88	PASS
N66	15	5	DFT-QPSK	H	Outer_Full	-32.58	PASS
N66	15	5	DFT-QPSK	H	Edge_1RB_Right	-25.92	PASS
N66	15	10	DFT-QPSK	L	Outer_Full	-29.38	PASS
N66	15	10	DFT-QPSK	L	Edge_1RB_Left	-29.97	PASS
N66	15	10	DFT-QPSK	H	Outer_Full	-26.90	PASS
N66	15	10	DFT-QPSK	H	Edge_1RB_Right	-29.24	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	-30.70	PASS
N66	15	20	DFT-QPSK	L	Edge_1RB_Left	-33.55	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	-31.03	PASS
N66	15	20	DFT-QPSK	H	Edge_1RB_Right	-33.00	PASS

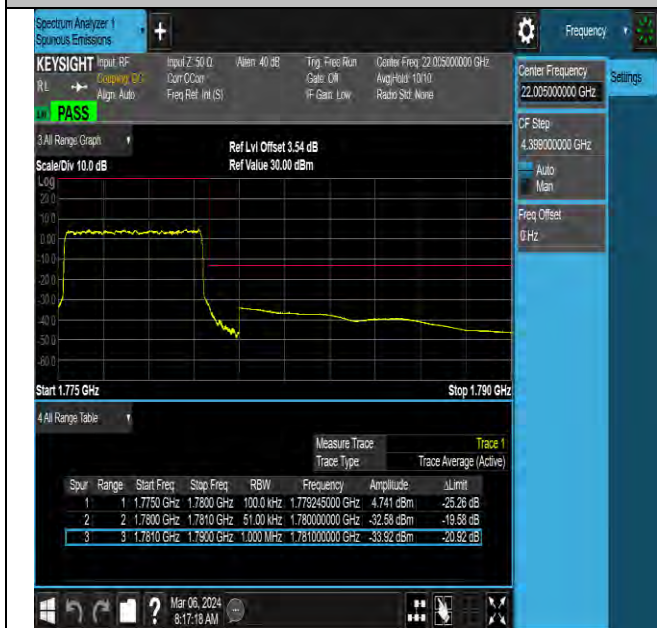
Test Graphs



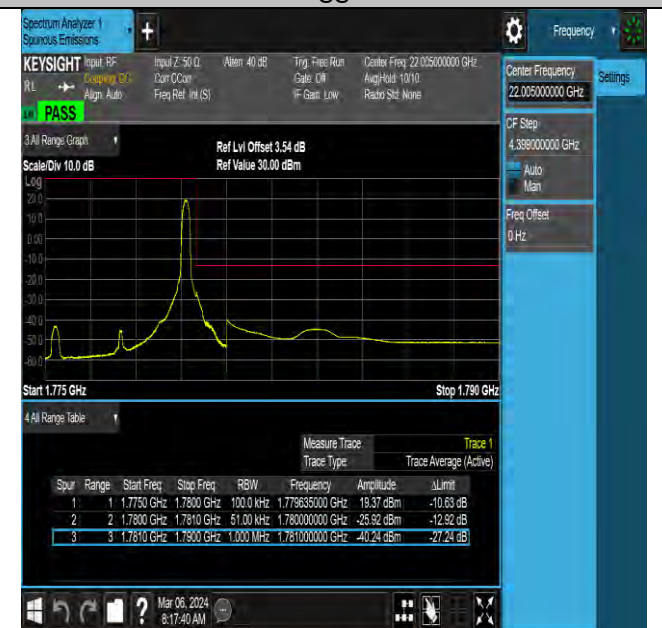
NTNV-N66-PC3-15-5-L-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N66-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



NTNV-N66-PC3-15-5-H-DFT-QPSK-Outer_Full-Ant1-PASS



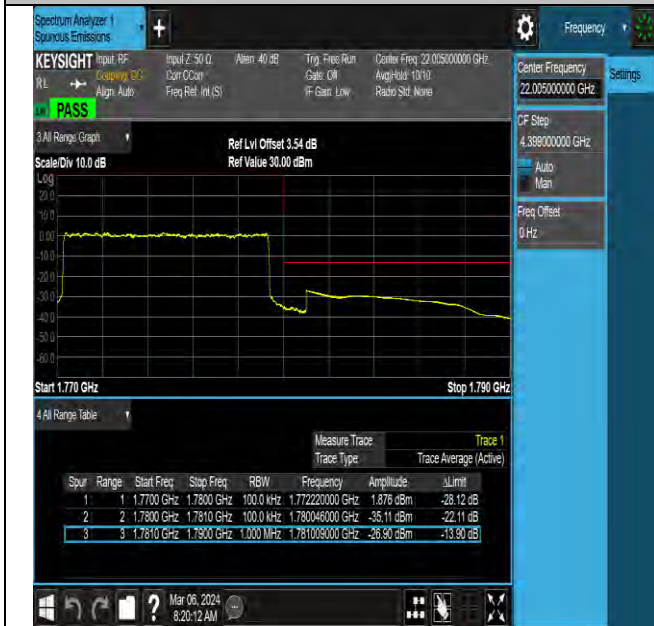
NTNV-N66-PC3-15-5-H-DFT-QPSK-Edge_1RB_Right-Ant1-PASS



NTNV-N66-PC3-15-10-L-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N66-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant1-P
ASS



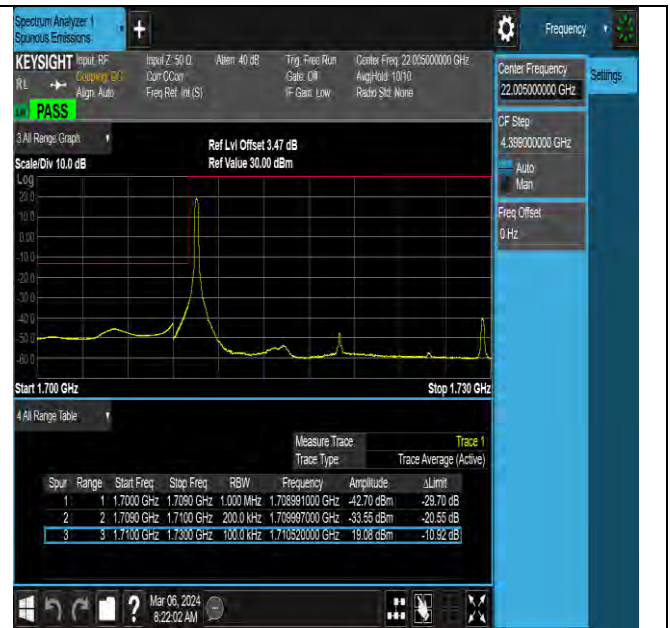
NTNV-N66-PC3-15-10-H-DFT-QPSK-Outer_Full-Ant1-PASS



NTNV-N66-PC3-15-10-H-DFT-QPSK-Edge_1RB_Right-Ant1
-PASS



NTNV-N66-PC3-15-20-L-DFT-QPSK-Outet_Full-Ant1-PASS



NTNV-N66-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant1-P ASS



NTNV-N66-PC3-15-20-H-DFT-QPSK-Outet_Full-Ant1-PASS



NTNV-N66-PC3-15-20-H-DFT-QPSK-Edge_1RB_Right-Ant1-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
N66	15	5	DFT-QPSK	L	Edge 1RB Left	30	1000	-48.90	-13	PASS
N66	15	5	DFT-QPSK	L	Edge 1RB Left	1000	18000	-37.44	-13	PASS
N66	15	5	DFT-QPSK	M	Edge 1RB Left	30	1000	-48.87	-13	PASS
N66	15	5	DFT-QPSK	M	Edge 1RB Left	1000	18000	-37.24	-13	PASS
N66	15	5	DFT-QPSK	H	Edge 1RB Left	30	1000	-48.72	-13	PASS
N66	15	5	DFT-QPSK	H	Edge 1RB Left	1000	18000	-37.27	-13	PASS
N66	15	10	DFT-QPSK	L	Edge 1RB Left	30	1000	-48.95	-13	PASS
N66	15	10	DFT-QPSK	L	Edge 1RB Left	1000	18000	-37.31	-13	PASS
N66	15	10	DFT-QPSK	M	Edge 1RB Left	30	1000	-48.89	-13	PASS
N66	15	10	DFT-QPSK	M	Edge 1RB Left	1000	18000	-37.45	-13	PASS
N66	15	10	DFT-QPSK	H	Edge 1RB Left	30	1000	-48.88	-13	PASS
N66	15	10	DFT-QPSK	H	Edge 1RB Left	1000	18000	-37.38	-13	PASS
N66	15	20	DFT-QPSK	L	Edge 1RB Left	30	1000	-48.87	-13	PASS
N66	15	20	DFT-QPSK	L	Edge 1RB Left	1000	18000	-37.39	-13	PASS
N66	15	20	DFT-QPSK	M	Edge 1RB Left	30	1000	-48.88	-13	PASS
N66	15	20	DFT-QPSK	M	Edge 1RB Left	1000	18000	-37.26	-13	PASS
N66	15	20	DFT-QPSK	H	Edge 1RB Left	30	1000	-48.84	-13	PASS
N66	15	20	DFT-QPSK	H	Edge 1RB Left	1000	18000	-37.14	-13	PASS



The screenshot displays a Spectrum Analyzer 1 interface. The top status bar shows the title "Spectrum Analyzer 1" and "Sweep SA". Below this, a control panel includes settings for Input RF (50 Q), Corr CCoar, Freq Ref Int (S), PNO Fast Gate Off, IF Gain Low, Sg Track Off, Avg Type Power (RMS), Avg Hold 5S, Trig Free Run, and a frequency display of 874.773 MHz. A "PASS" indicator is visible. The main display area shows a trace labeled "Trace 1 Pass" with a peak marker at 874.773 MHz and -48.897 dBm. The Y-axis is labeled "Scale/Div 10 dB" and "Log". The X-axis is labeled "Start 0.0300 GHz", "#Video BW 3.0 MHz", "Stop 1.0000 GHz", and "#Sweep 1.00 s (10001 pts)". The right sidebar contains settings for Center Frequency (515.00000 MHz), Span (970.000000 MHz), Sweep Span (Zero Span), Full Span, Start Freq (30.000000 MHz), Stop Freq (1.000000000 GHz), AUTO TUNE, CF Step (97.000000 MHz), Auto Man, Freq Offset (0 Hz), X Axis Scale (Log Lin), and Signal Track (Span Zoom).

The screenshot displays a Spectrum Analyzer 1 interface. The main display area shows a frequency spectrum plot with a yellow trace. A peak is labeled '1' at approximately 13.6038 GHz. The plot has a logarithmic scale on the y-axis (dB) ranging from -75 to 15. The x-axis represents frequency in GHz, ranging from 1.000 to 18.000. The plot is titled 'Truce 1 Pass'.

Key parameters and settings visible on the interface include:

- Input:** Input Z: 50 Ω, #AAtt: 40 dB, PWR: Fast Gate: Off, IF Gain: Low, Sig Track: Off.
- Output:** #Avg Type: Power (RMS), #Avg Hold: 55, Trig: Free Run.
- Marker:** Mkr1 13.603 80 GHz, -37.437 dBm.
- Reference:** Ref Lvl Offset: 0.01 dB, Ref Level: 25.00 dBm.
- Span:** Center Frequency: 9.500000000 GHz, Span: 17.00000000 GHz, Sweep Span: Zero Span.
- Frequency:** Full Span, Start Freq: 1.000000000 GHz, Stop Freq: 18.000000000 GHz.
- CF Stop:** 1.700000000 GHz.
- Auto Tune:** CF Stop: 1.700000000 GHz, Auto Man: Auto, Freq Offset: 0 Hz.
- X Axis Scale:** Log, Lin.
- Signal Track:** (Sweep, Trace).
- Bottom Status Bar:** Start 1.000 GHz, #Res BW 1.0 MHz, #Video BW 3.0 MHz, Stop 18.000 GHz, #Sweep -1.00 s (20001 pts).

Spectrum Analyzer 1
Sweep SA

KEYSIGHT Input RF: Input Z: 50 Ω #AAtt: 40 dB PNO: Fast Gate: Off #Avg Type: Power (RMS) 1 2 3 4 5 6
 RLE Frequency CG: Corr: C-Corr: IF Gain: Low Avg-Hold: 55 A A A A A A A A
 Align: Auto Freq Ref: Int (S) Trig: Free Run A A A A A A

Trace 1 Pass

1 Spectrum Ref Lvl Offset 2.00 dB **Mkr1 906.977 MHz**
 Scale/Div 10 dB Ref Level 25.00 dBm **-48.866 dBm**

Log

Trace 1 Pass

Start 0.0300 GHz #Video BW 3.0 MHz* Stop 1.0000 GHz
 #Res BW 1.0 MHz #Sweep: 1.00 s (10001 pts)

Center Frequency
 515.000000 MHz

Span
 970.000000 MHz

Sweep Span
 Zero Span

Full Span

Start Freq
 30.000000 MHz

Stop Freq
 1.00000000 GHz

AUTO TUNE

CF Step
 97.000000 MHz

Auto
 Man

Freq Offset
 0 Hz

X Axis Scale
 Log
 Lin

Signal Trail
 Spig 70mV

[illegible]

Report Version 1



Test Report No.: PSU-QSU2312140113RF07



NTNV-N66-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant1-P
ASS



NTNV-N66-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant1-P
ASS



NTNV-N66-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant1-P
ASS



NTNV-N66-PC3-15-10-L-DFT-QPSK-Edge_1RB_Left-Ant1-P
ASS



Test Report No.: PSU-QSU2312140113RF07



NTNV-N66-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



NTNV-N66-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



NTNV-N66-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



NTNV-N66-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant1-PASS



Test Report No.: PSU-QSU2312140113RF07



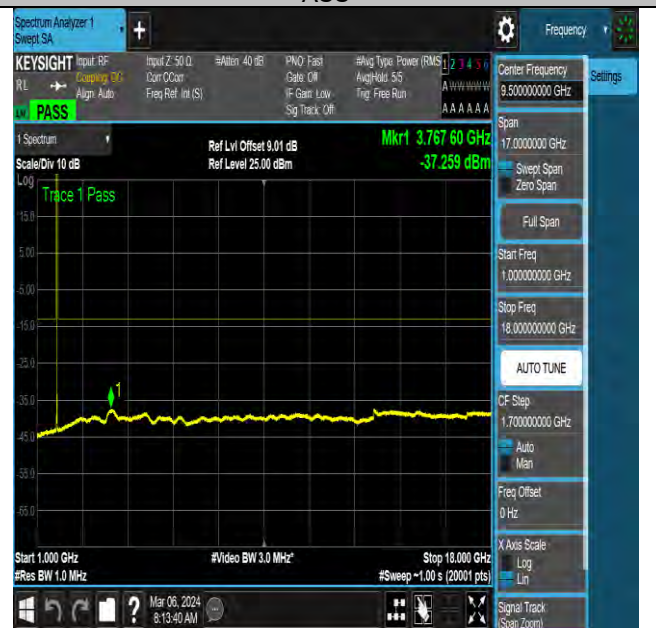
NTNV-N66-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant1-P
ASS



NTNV-N66-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant1-P
ASS



NTNV-N66-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant1-P
PASS



NTNV-N66-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant1-P
PASS



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VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N66-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-Ant1-P
ASS



NTNV-N66-PC3-15-20-H-DFT-QPSK-Edge_1RB_Left-Ant1-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
N66	15	20	DFT-QPSK	L	Outer_Full	VL	NT	9.000000	0.005233	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	VN	NT	4.000000	0.002326	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	VH	NT	8.000000	0.004651	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	-30	6.000000	0.003488	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	-20	16.000000	0.009302	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	-10	5.000000	0.002907	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	0	3.000000	0.001744	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	10	11.000000	0.006395	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	20	9.000000	0.005233	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	30	4.000000	0.002326	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	40	18.000000	0.010465	PASS
N66	15	20	DFT-QPSK	L	Outer_Full	NV	50	6.000000	0.003488	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	VL	NT	14.000000	0.008023	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	VN	NT	9.000000	0.005158	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	VH	NT	7.000000	0.004011	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	-30	17.000000	0.009742	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	-20	6.000000	0.003438	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	-10	4.000000	0.002292	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	0	8.000000	0.004585	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	10	6.000000	0.003438	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	20	10.000000	0.005731	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	30	8.000000	0.004585	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	40	4.000000	0.002292	PASS
N66	15	20	DFT-QPSK	M	Outer_Full	NV	50	15.000000	0.008596	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	VL	NT	16.000000	0.009040	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	VN	NT	16.000000	0.009040	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	VH	NT	7.000000	0.003955	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	-30	6.000000	0.003390	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	-20	13.000000	0.007345	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	-10	15.000000	0.008475	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	0	4.000000	0.002260	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	10	2.000000	0.001130	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	20	9.000000	0.005085	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	30	8.000000	0.004520	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	40	18.000000	0.010169	PASS
N66	15	20	DFT-QPSK	H	Outer_Full	NV	50	1.000000	0.000565	PASS

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Tel: +86 (0557) 368 1008



Test Report No.: PSU-QSU2312140113RF07

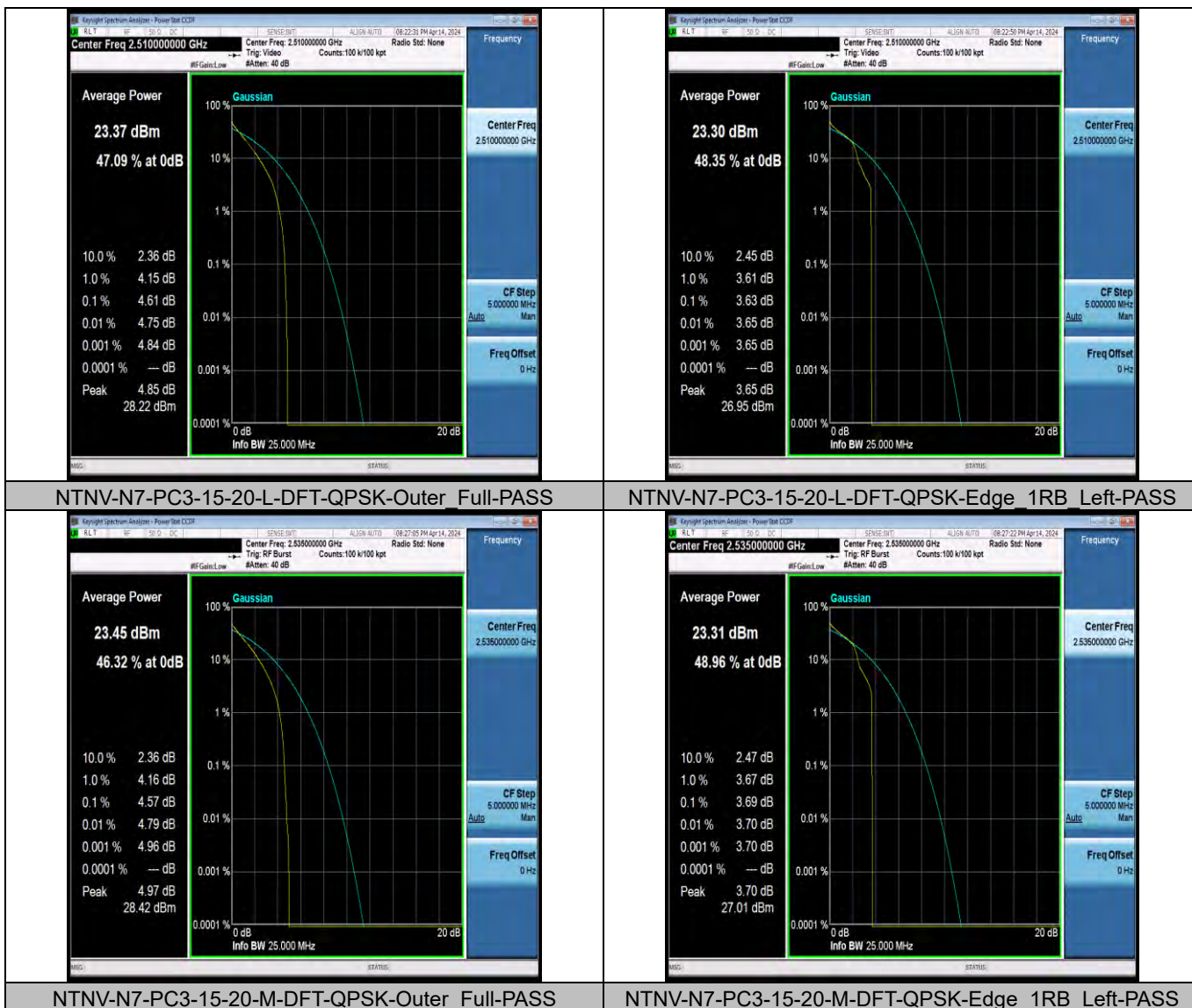
N71

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N7	15	20	DFT-QPSK	L	Outer_Full	4.61	≤ 13	PASS
N7	15	20	DFT-QPSK	L	Edge_1RB_Left	3.63	≤ 13	PASS
N7	15	20	DFT-QPSK	M	Outer_Full	4.57	≤ 13	PASS
N7	15	20	DFT-QPSK	M	Edge_1RB_Left	3.69	≤ 13	PASS
N7	15	20	DFT-QPSK	H	Outer_Full	4.51	≤ 13	PASS
N7	15	20	DFT-QPSK	H	Edge_1RB_Left	4.09	≤ 13	PASS

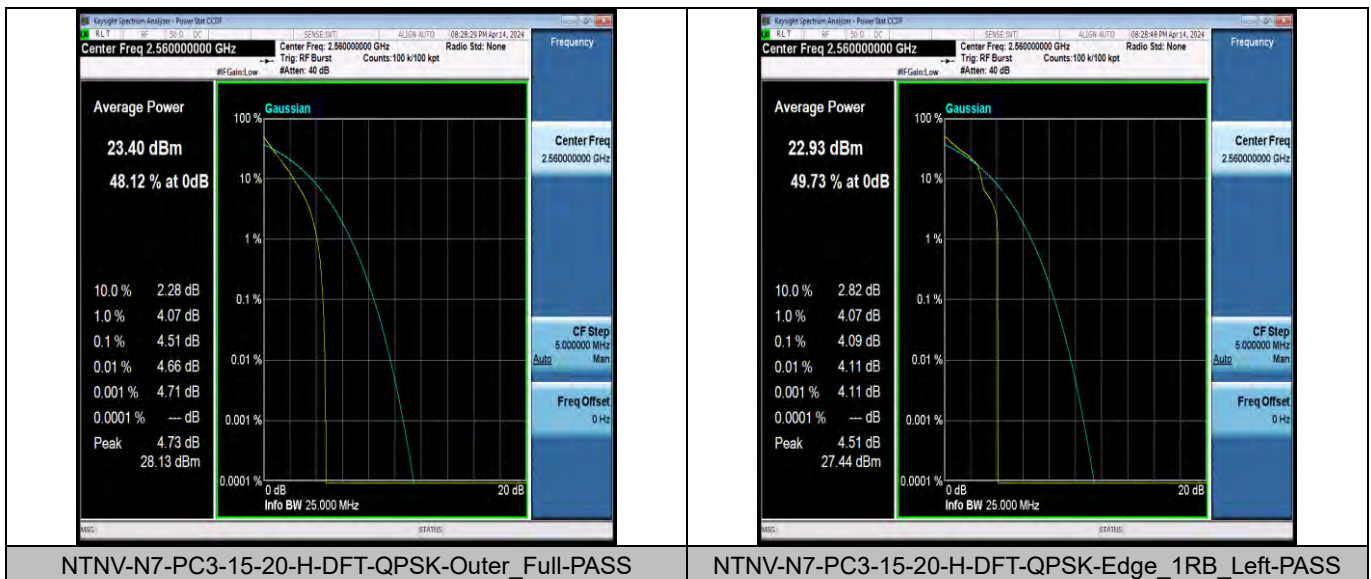
Test Graphs





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VERITAS

Test Report No.: PSU-QSU2312140113RF07





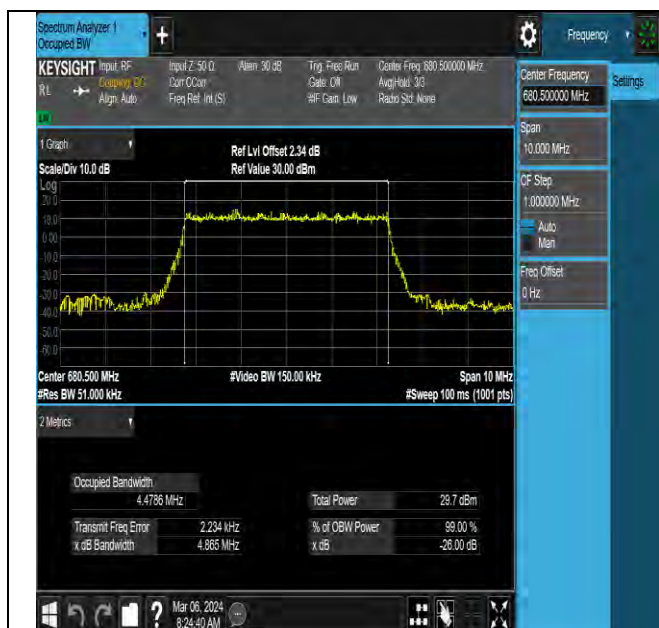
Test Report No.: PSU-QSU2312140113RF07

26DB BANDWIDTH AND OCCUPIED BANDWIDTH FOR SA

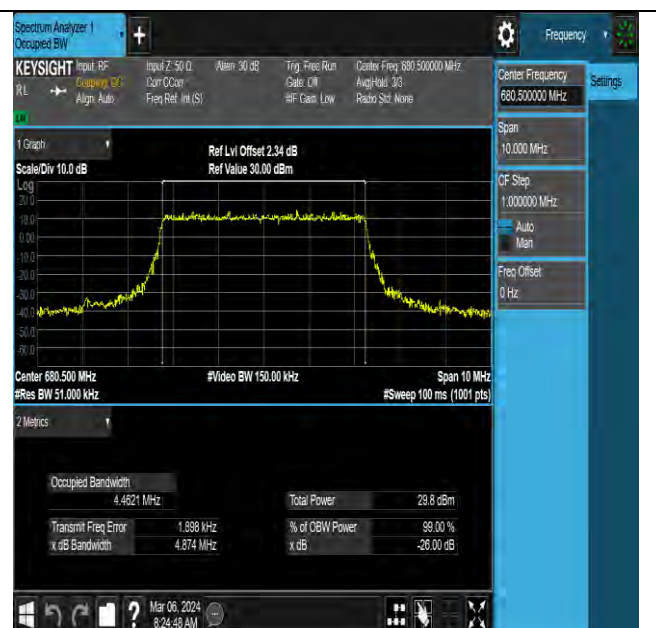
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N71	15	5	DFT-PI2BPSK	M	Outer_Full	4.4786	4.865	PASS
N71	15	5	DFT-QPSK	M	Outer_Full	4.4621	4.874	PASS
N71	15	5	DFT-16QAM	M	Outer_Full	4.4614	4.905	PASS
N71	15	5	DFT-64QAM	M	Outer_Full	4.4699	4.834	PASS
N71	15	5	DFT-256QAM	M	Outer_Full	4.4719	4.854	PASS
N71	15	10	DFT-PI2BPSK	M	Outer_Full	8.8933	9.450	PASS
N71	15	10	DFT-QPSK	M	Outer_Full	8.9015	9.440	PASS
N71	15	10	DFT-16QAM	M	Outer_Full	8.9068	9.374	PASS
N71	15	10	DFT-64QAM	M	Outer_Full	8.9028	9.479	PASS
N71	15	10	DFT-256QAM	M	Outer_Full	8.9023	9.377	PASS
N71	15	15	DFT-PI2BPSK	M	Outer_Full	13.375	14.07	PASS
N71	15	15	DFT-QPSK	M	Outer_Full	13.377	14.03	PASS
N71	15	15	DFT-16QAM	M	Outer_Full	13.392	14.13	PASS
N71	15	15	DFT-64QAM	M	Outer_Full	13.351	14.10	PASS
N71	15	15	DFT-256QAM	M	Outer_Full	13.368	14.07	PASS
N71	15	20	DFT-PI2BPSK	M	Outer_Full	17.798	18.59	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	17.806	18.66	PASS
N71	15	20	DFT-16QAM	M	Outer_Full	17.859	18.71	PASS
N71	15	20	DFT-64QAM	M	Outer_Full	17.822	18.61	PASS
N71	15	20	DFT-256QAM	M	Outer_Full	17.832	18.63	PASS

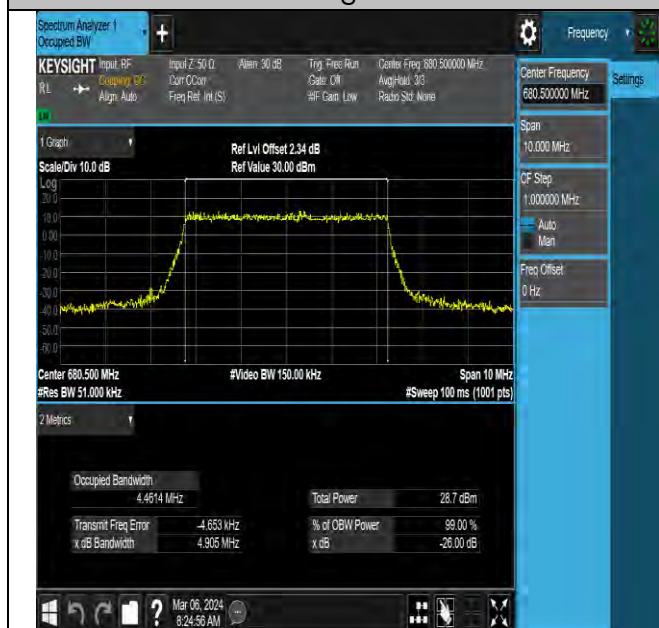
Test Graphs



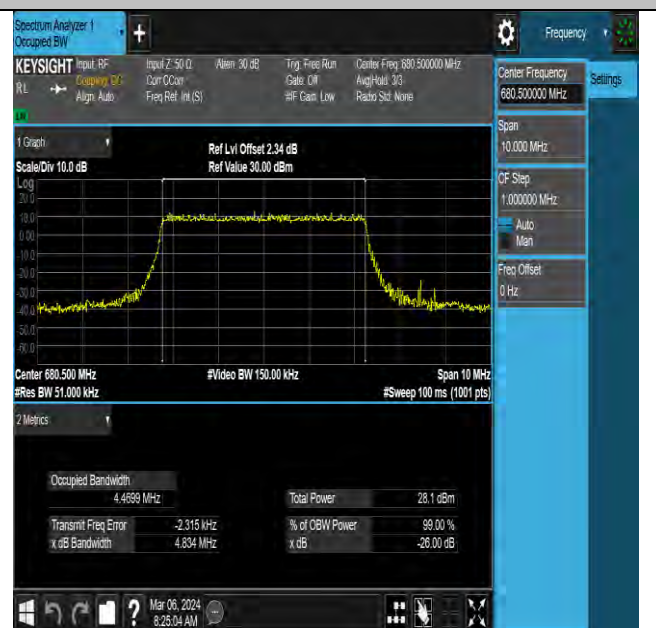
NTNV-N71-PC3-15-5-M-DFT-PI2BPSK-Outet_Full-Ant0-PASS
S



NTNV-N71-PC3-15-5-M-DFT-QPSK-Outet_Full-Ant0-PASS



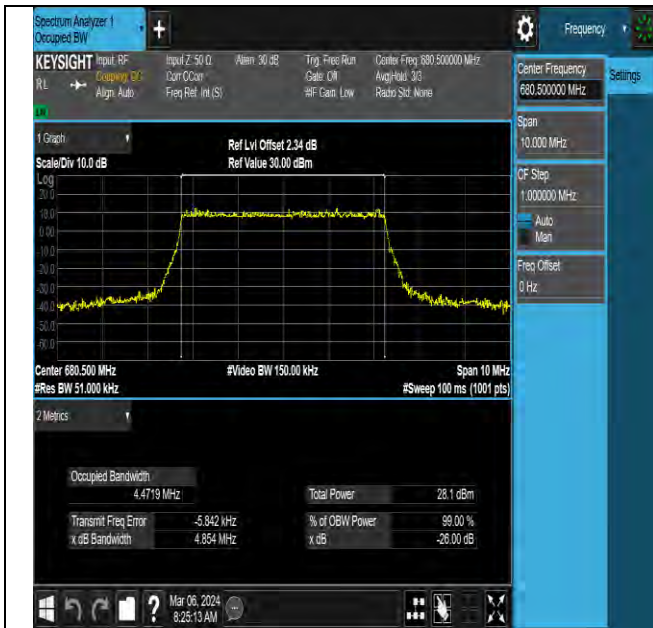
NTNV-N71-PC3-15-5-M-DFT-16QAM-Outet_Full-Ant0-PASS



NTNV-N71-PC3-15-5-M-DFT-64QAM-Outet_Full-Ant0-PASS



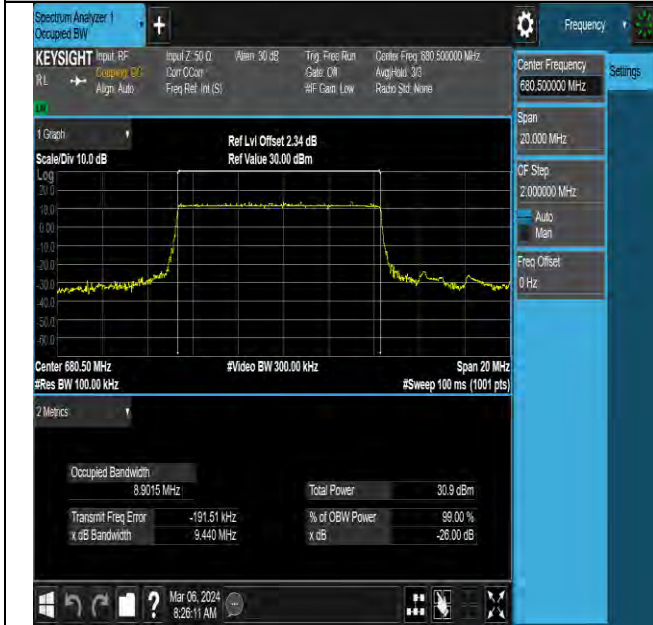
Test Report No.: PSU-QSU2312140113RF07



NTNV-N71-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant0-PAS
S



NTNV-N71-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant0-PA
SS



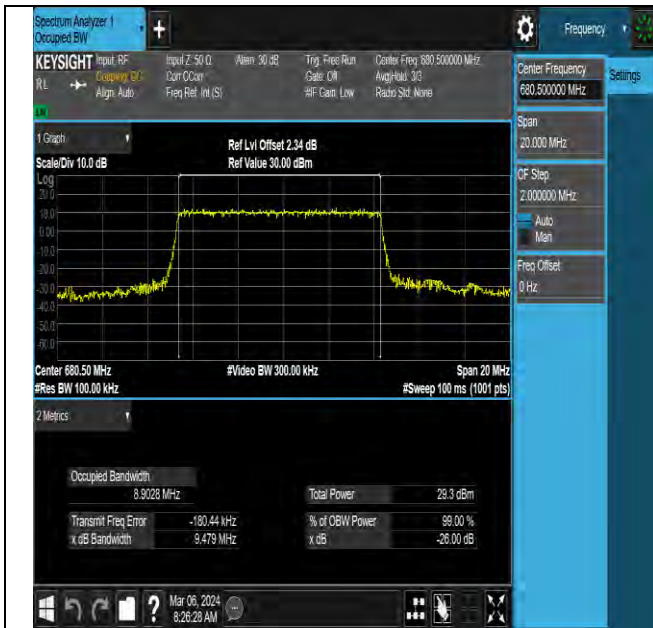
NTNV-N71-PC3-15-10-M-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N71-PC3-15-10-M-DFT-16QAM-Outer_Full-Ant0-PAS
S



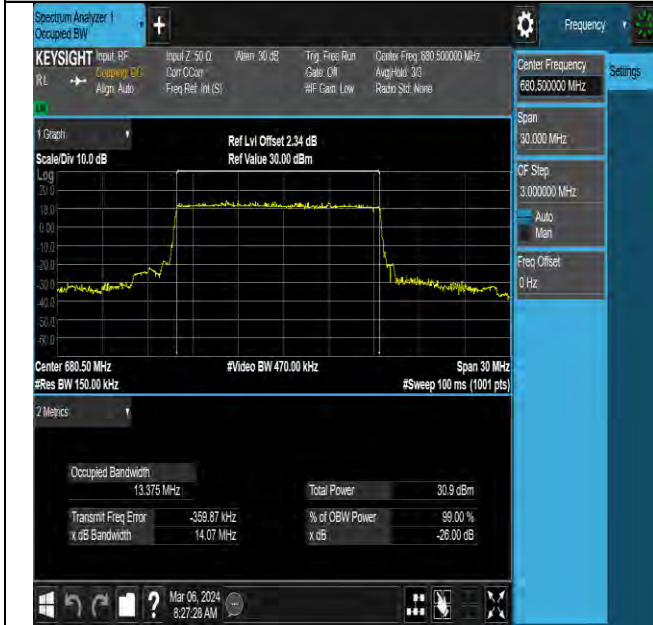
Test Report No.: PSU-QSU2312140113RF07



NTNV-N71-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant0-PAS
S



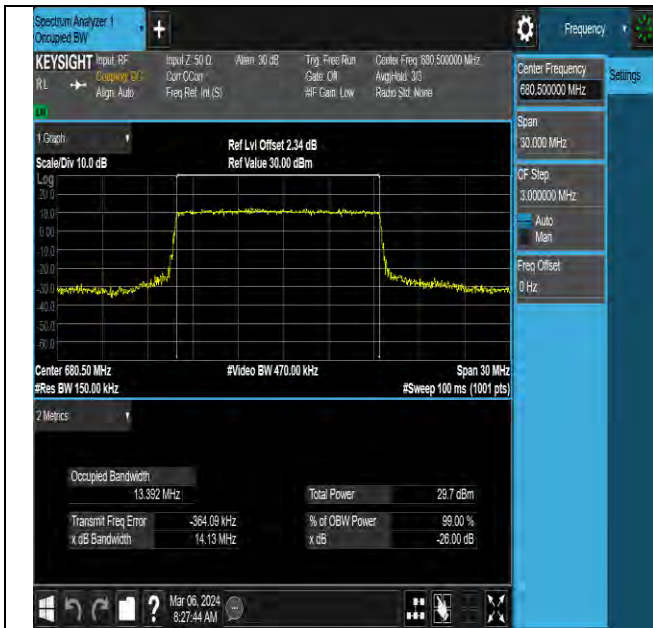
NTNV-N71-PC3-15-10-M-DFT-256QAM-Outer_Full-Ant0-PA
SS



NTNV-N71-PC3-15-15-M-DFT-PI2BPSK-Outer_Full-Ant0-PA
SS



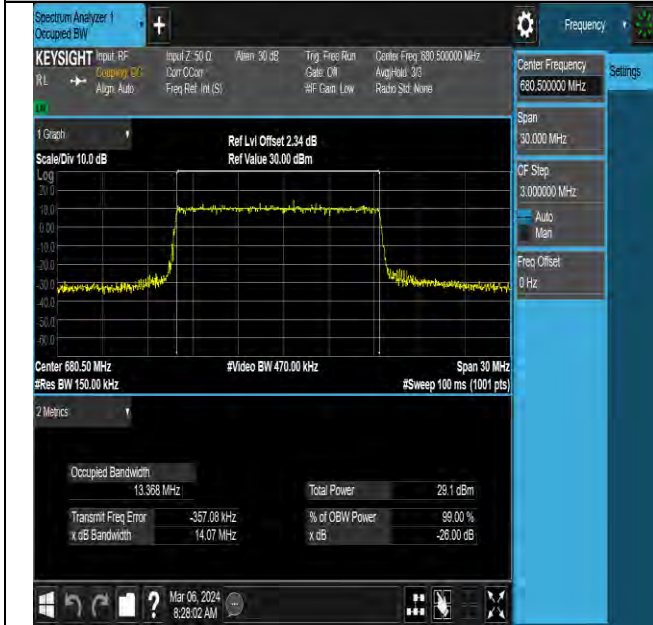
NTNV-N71-PC3-15-15-M-DFT-QPSK-Outer_Full-Ant0-PASS



NTNV-N71-PC3-15-15-M-DFT-16QAM-Outer_Full-Ant0-PAS
S



NTNV-N71-PC3-15-15-M-DFT-64QAM-Outer_Full-Ant0-PAS
S



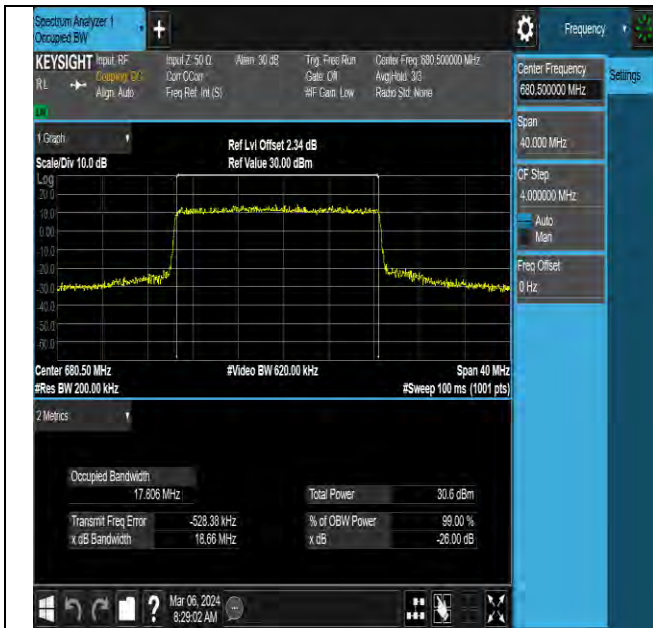
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SS



NTNV-N71-PC3-15-20-M-DFT-P12BPSK-Outer_Full-Ant0-PA
SS



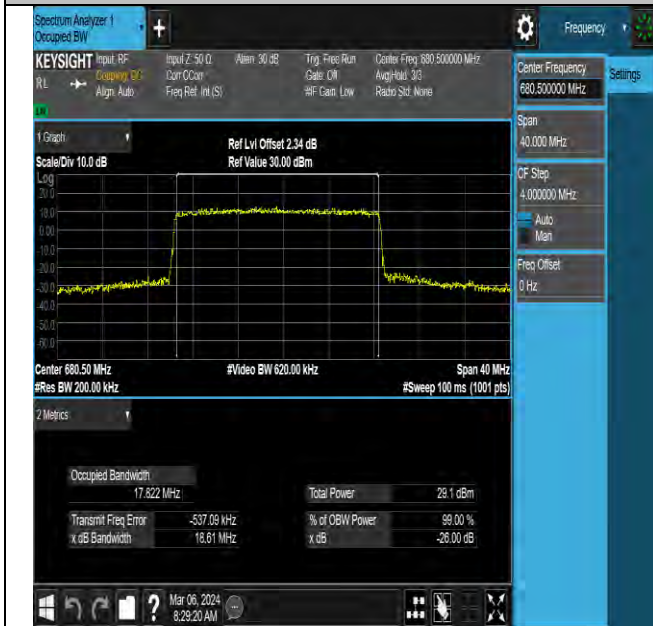
Test Report No.: PSU-QSU2312140113RF07



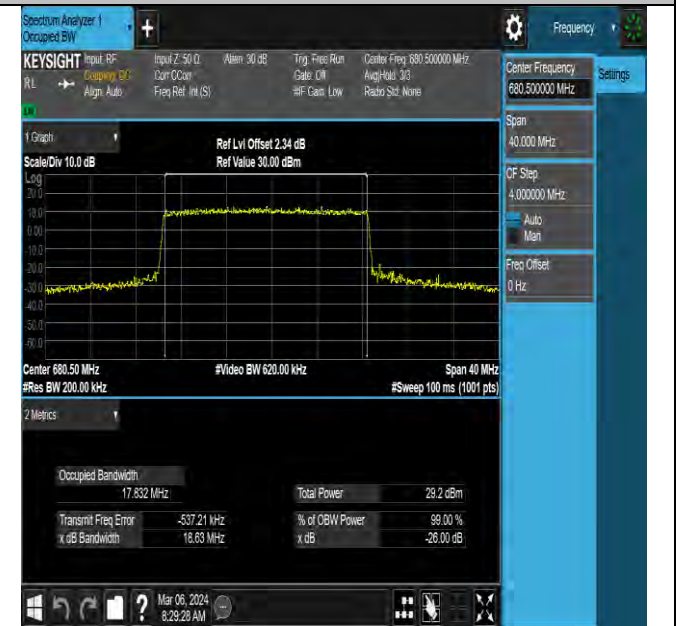
NTNV-N71-PC3-15-20-M-DFT-QPSK-Outter_Full-Ant0-PASS



NTNV-N71-PC3-15-20-M-DFT-16QAM-Outter_Full-Ant0-PAS
S



NTNV-N71-PC3-15-20-M-DFT-64QAM-Outter_Full-Ant0-PAS
S



NTNV-N71-PC3-15-20-M-DFT-256QAM-Outter_Full-Ant0-PA
SS



Test Report No.: PSU-QSU2312140113RF07

BAND EDGE FOR SA

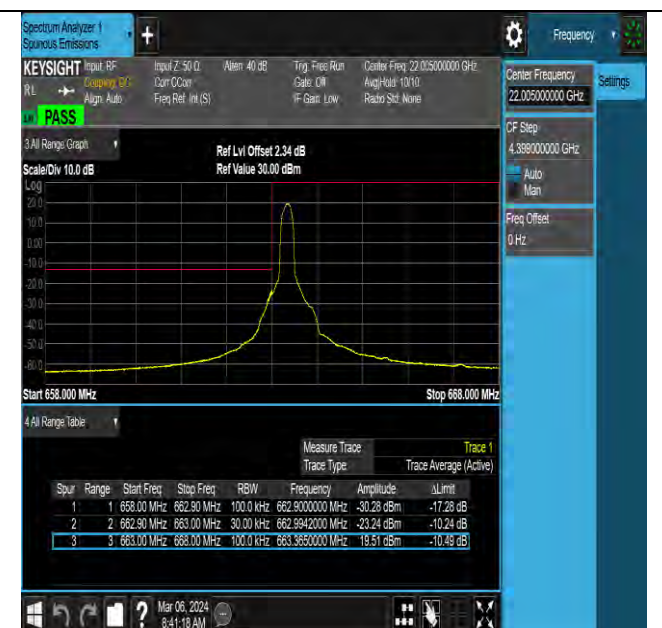
Test Result

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



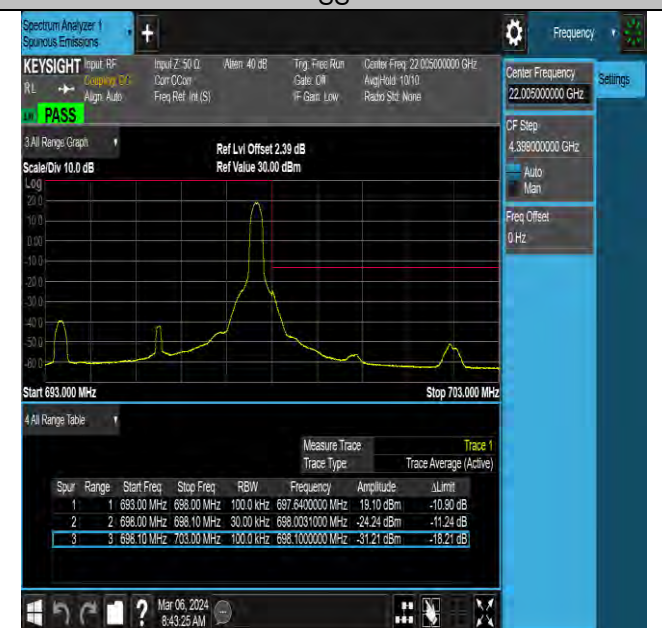
NTNV-N71-PC3-15-5-L-DFT-QPSK-Outer_Full-Ant0-PASS



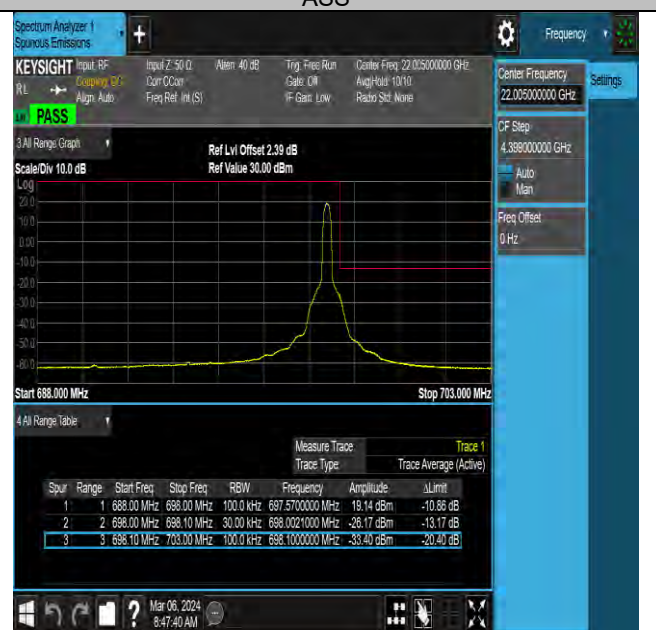
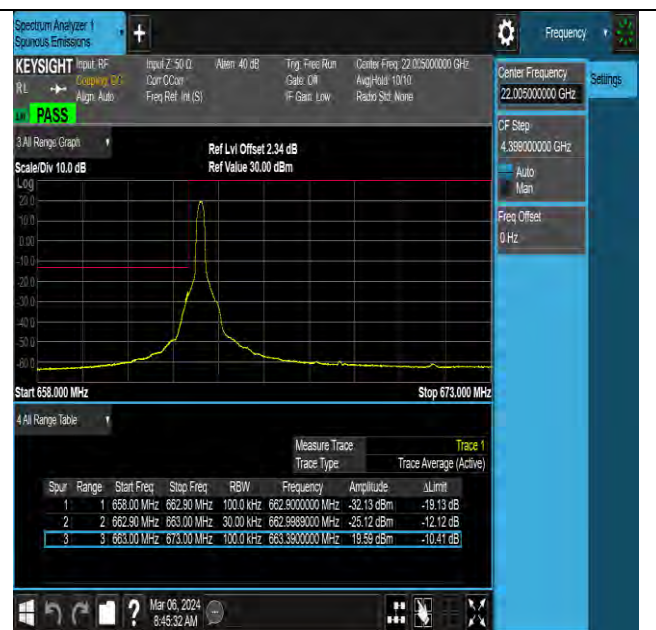
NTNV-N71-PC3-15-5-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



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

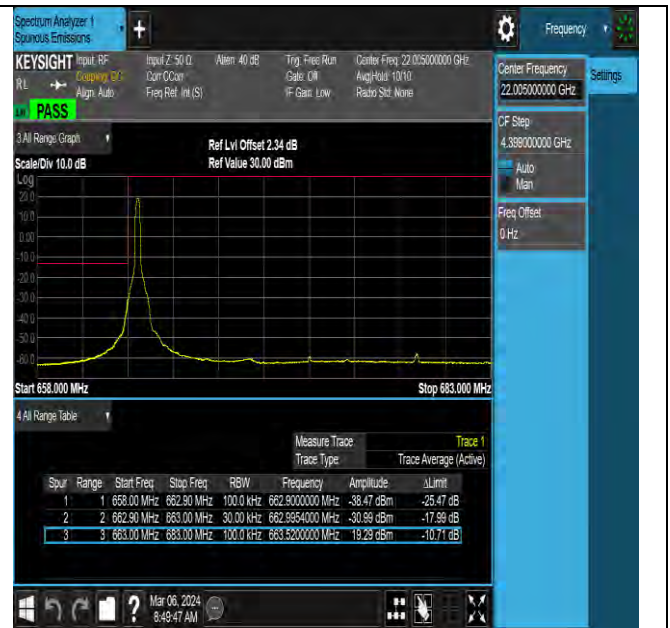




Test Report No.: PSU-QSU2312140113RF07



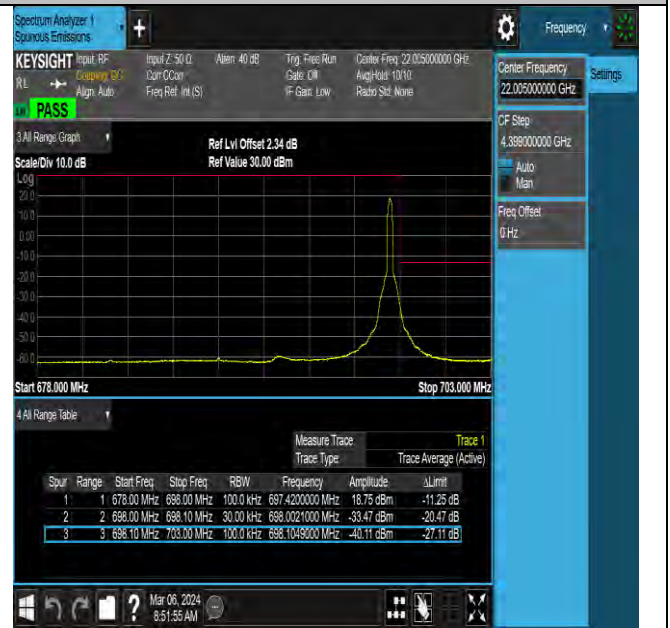
NTNV-N71-PC3-15-20-L-DFT-QPSK-Outer_Full-Ant0-PASS



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
N71	15	5	DFT-QPSK	L	Edge 1RB Left	30	1000	-57.57	-13	PASS
N71	15	5	DFT-QPSK	L	Edge 1RB Left	1000	7000	-40.31	-13	PASS
N71	15	5	DFT-QPSK	M	Edge 1RB Left	30	1000	-57.70	-13	PASS
N71	15	5	DFT-QPSK	M	Edge 1RB Left	1000	7000	-40.29	-13	PASS
N71	15	5	DFT-QPSK	H	Edge 1RB Left	30	1000	-57.58	-13	PASS
N71	15	5	DFT-QPSK	H	Edge 1RB Left	1000	7000	-40.24	-13	PASS
N71	15	10	DFT-QPSK	L	Edge 1RB Left	30	1000	-57.30	-13	PASS
N71	15	10	DFT-QPSK	L	Edge 1RB Left	1000	7000	-40.28	-13	PASS
N71	15	10	DFT-QPSK	M	Edge 1RB Left	30	1000	-57.74	-13	PASS
N71	15	10	DFT-QPSK	M	Edge 1RB Left	1000	7000	-40.19	-13	PASS
N71	15	10	DFT-QPSK	H	Edge 1RB Left	30	1000	-57.82	-13	PASS
N71	15	10	DFT-QPSK	H	Edge 1RB Left	1000	7000	-40.19	-13	PASS
N71	15	20	DFT-QPSK	L	Edge 1RB Left	30	1000	-57.87	-13	PASS
N71	15	20	DFT-QPSK	L	Edge 1RB Left	1000	7000	-40.26	-13	PASS
N71	15	20	DFT-QPSK	M	Edge 1RB Left	30	1000	-57.59	-13	PASS
N71	15	20	DFT-QPSK	M	Edge 1RB Left	1000	7000	-40.30	-13	PASS
N71	15	20	DFT-QPSK	H	Edge 1RB Left	30	1000	-57.61	-13	PASS
N71	15	20	DFT-QPSK	H	Edge 1RB Left	1000	7000	-40.29	-13	PASS



The screenshot displays the Spectrum Analyzer 1 interface. The top status bar shows the input as RF, sweep type as Z 50 Q, and various settings like PNO: Fast, Gate: Off, and IF Gain: Low. The main display area shows a spectrum trace with a prominent peak at 871.087 MHz, labeled 'Mkr1'. The peak level is 25.00 dBm, and the reference level is 2.80 dB. The trace is labeled 'Trace 1 Pass'. The right sidebar contains settings for Center Frequency (515.000000 MHz), Span (970.000000 MHz), and other parameters. The bottom status bar shows the start frequency at 0.0000 GHz, video bandwidth at 300 kHz, and stop frequency at 1.0000 GHz.

The screenshot displays a Spectrum Analyzer interface with the following components:

- Top Bar:**
 - Left: Spectrum Analyzer 1, Sweep: SA
 - Center: A grid of function icons (e.g., zoom, pan, hold).
 - Right: Frequency dropdown menu, a gear icon for settings, and a power icon.
- KEYSTONE Section:**
 - Input RF: Channel 05
 - RL: Align: Auto
 - Input Z: 50 Ω
 - #Aatten: 40 dB
 - PNO: Fast
 - Gate: Off
 - #Avg Type: Power (RMS)
 - Avg Hold: 5.5
 - #Sig Track: Off
 - Trig: Free Run
 - Display: 1 2 3 4 5
 - AAAAAA
- Center Frequency:** 4.000000000 GHz
- Span:** 6.000000000 GHz
- Swept Span:** Zero Span
- Full Span:** (button)
- Start Freq:** 1.000000000 GHz
- Stop Freq:** 7.000000000 GHz
- AUTO TUNE:** (button)
- CF Step:** 600.000000 MHz
- Auto:** (button)
- Man:** (button)
- Freq Offset:** 0 Hz
- X Axis Scale:**
 - Log (selected)
 - Lin
- Signal Track:** (button)
- Signal Zoom:** (button)
- Main Display:**
 - 1 Spectrum
 - Scale/Div 10 dB
 - Log
 - Trace 1 Pass
 - Ref Lvl Offset 8.25 dB
 - Ref Level 25.00 dBm
 - Mkr1 3.775 6 GHz
 - 40.309 dBm
 - Graph showing a signal trace with a peak labeled '1'.
- Bottom Bar:**
 - Start 1.000 GHz
 - #Res BW 1.0 MHz
 - #Video BW 3.0 MHz
 - Stop 7.000 GHz
 - #Sweep -1.0 s (10001 pts)
- System Bar:**
 - Windows taskbar showing icons for File Explorer, Settings, and others.
 - Date/Time: Mar 06, 2024, 8:30:35 AM
 - System tray icons.

The screenshot displays the Spectrum Analyzer 1 interface. The main display area shows a spectrum plot with a yellow trace. A prominent peak is visible at 859.835 MHz, labeled 'Mkr1' with a level of -57.695 dBm. The plot is titled 'Trace 1 Pass'. The x-axis represents frequency, ranging from 0.0000 GHz to 1.0000 GHz, with a resolution bandwidth (BW) of 300 kHz. The y-axis represents power, ranging from -150 dBm to 150 dBm. The plot is titled 'Spectrum' and 'Scale/Div 10 dB'. The interface includes various control panels and settings:

- Top Panel:**
 - Frequency:** 515.000000 MHz
 - Span:** 970.000000 MHz
 - Sweep Span:** Zero Span
 - Full Span:** (button)
 - Start Freq:** 30.000000 MHz
 - Stop Freq:** 1.000000000 GHz
 - AUTO TUNE:** (button)
 - CF Step:** 97.000000 MHz
 - Auto/Man:** (toggle)
 - Freq Offset:** 0 Hz
 - X Axis Scale:** Log (selected), Lin (button)
 - Signal Track:** (button)
- Left Panel:**
 - Input RF:** Sweep SA
 - Input Z:** 50 Ω
 - Gain:** 40 dB
 - PN0:** Fast
 - Gate:** Off
 - IF Gain:** Low
 - Sig Track:** Off
 - Avg Type:** Power (RMS)
 - Avghold:** 55
 - Trig:** Free Run
 - Align:** Auto
 - Compens:** Off
 - Ref Lvl Offset:** 2.80 dB
 - Ref Level:** 25.00 dBm
- Bottom Panel:**
 - Start:** 0.0000 GHz
 - Res:** BW 100 kHz
 - #Video BW:** 300 kHz
 - Stop:** 1.0000 GHz
 - #Sweep:** ~1.00 s (10001 pts)

The screenshot displays a Spectrum Analyzer 1 interface. At the top, the title bar reads "Spectrum Analyzer 1" and "Sweep SA". Below the title bar, there are several input and control fields: "Input: RF", "Input Z: 50 Ohm", "Attenu: 40 dB", "PNO: Fast", "Gate: Off", "Avg Mode: 5/5", "Sig Track: Off", "Input: RF", "Align: Auto", "Frag Ref: Int (S)", "Tig: Freq Run", and a "Frequency" dropdown menu set to "MHz". A "Center Frequency" field shows "4.000000000 GHz". A "Span" field shows "6.000000000 GHz". A "Sweep Span" field shows "Zero Span". A "Full Span" button is visible. A "Start Freq" field shows "1.000000000 GHz". A "Stop Freq" field shows "7.000000000 GHz". An "AUTO TUNE" button is present. A "CF Step" field shows "600.000000 MHz". An "Auto" button is visible. A "Man" button is visible. A "Freq Offset" field shows "0 Hz". An "X Axis Scale" dropdown menu is set to "Log". A "Log" button is visible. A "Lin" button is visible. A "Signal Track" dropdown menu is set to "Show: 7mhz".

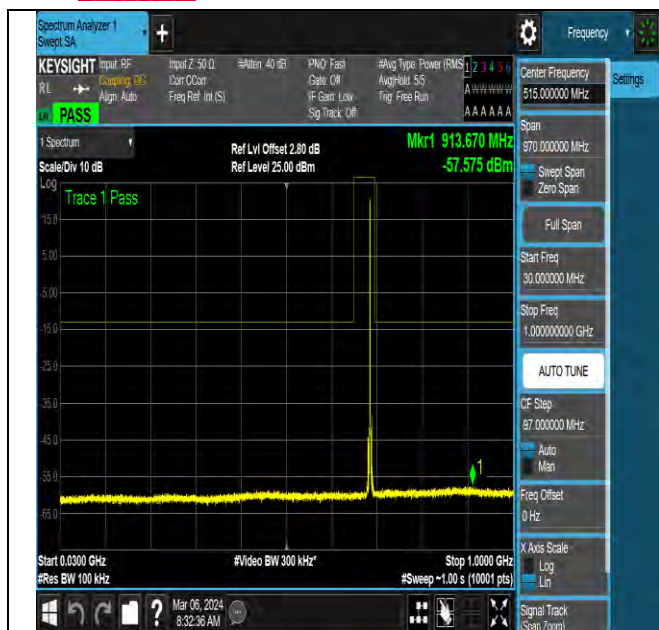
The main display area shows a spectrum plot with a yellow trace. The plot has a grid with a vertical axis labeled "Scale/Div 10 dB" and a horizontal axis labeled "Log". The trace shows a signal with a peak labeled "Mkr1 3.796 GHz" and a value of "-40.288 dBm". The plot also shows "Trace 1 Pass" and "Ref Lvl Offset 6.25 dB" and "Ref Level 25.00 dBm".

At the bottom of the interface, there are several status fields: "Start 1.000 GHz", "#Res BW 1.0 MHz", "#Video BW 3.0 MHz", "Stop 7.000 GHz", and "#Sweep -1.00 s (10001 pts)".

Report Version 1



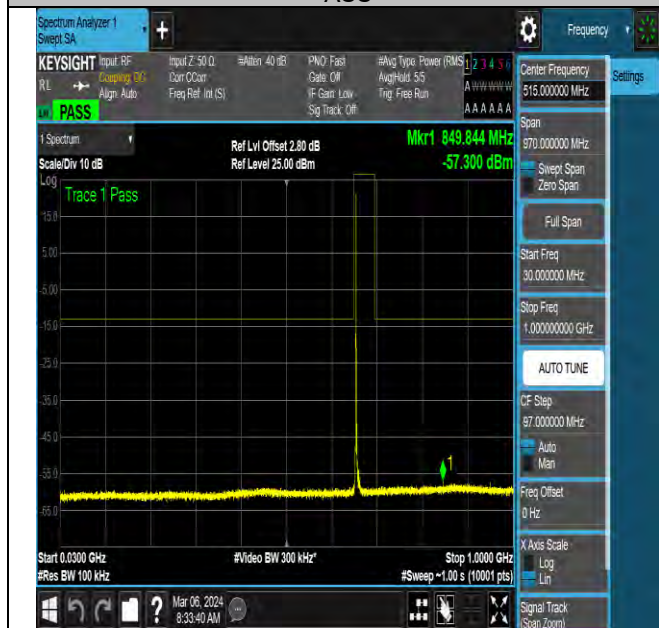
Test Report No.: PSU-QSU2312140113RF07



NTNV-N71-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



NTNV-N71-PC3-15-5-H-DFT-QPSK-Edge_1RB_Left-Ant0-P
ASS



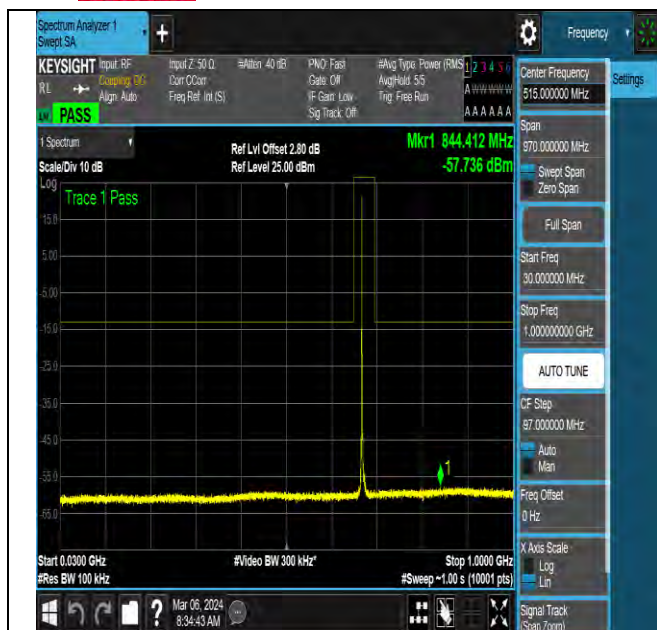
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ASS



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



Test Report No.: PSU-QSU2312140113RF07



NTNV-N71-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



NTNV-N71-PC3-15-10-M-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



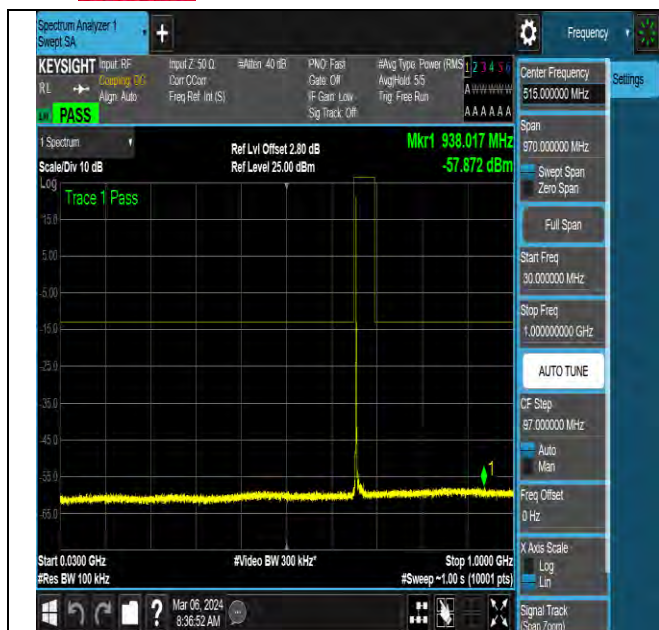
NTNV-N71-PC3-15-10-H-DFT-QPSK-Edge_1RB_Left-Ant0-P ASS



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



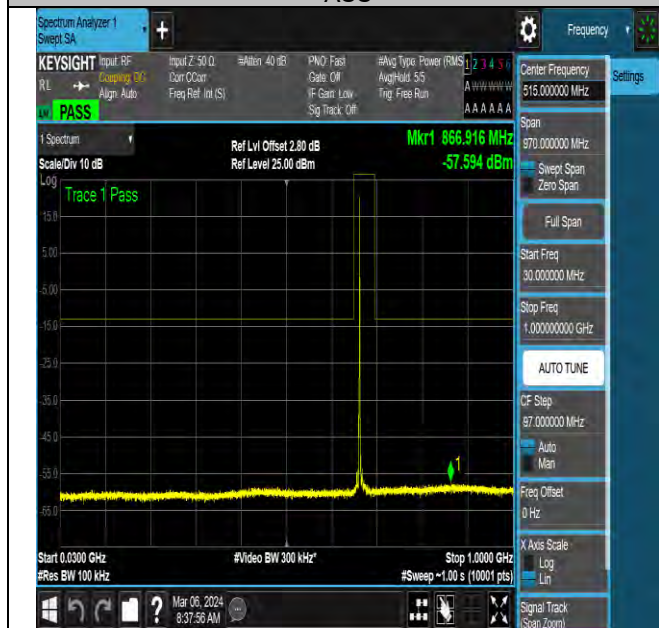
Test Report No.: PSU-QSU2312140113RF07



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



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



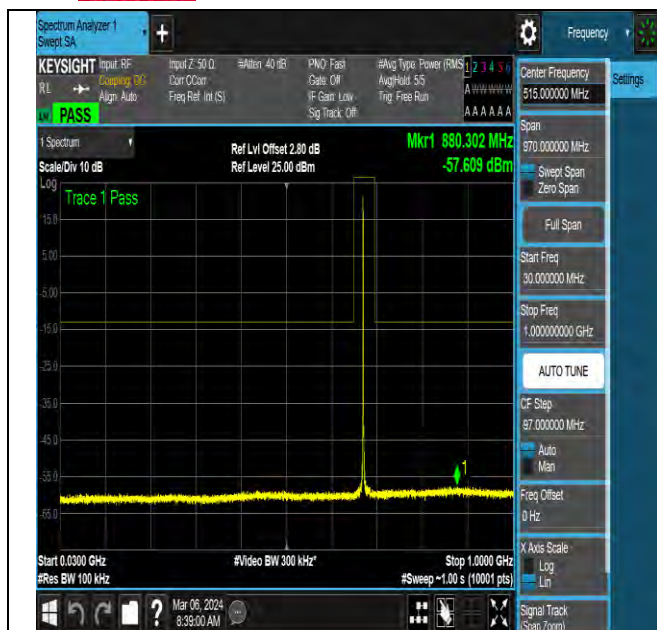
NTNV-N71-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
PASS



NTNV-N71-PC3-15-20-M-DFT-QPSK-Edge_1RB_Left-Ant0-P
PASS



Test Report No.: PSU-QSU2312140113RF07



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



NTNV-N71-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
N71	15	20	DFT-QPSK	L	Outer Full	VL	NT	19.000000	0.028232	PASS
N71	15	20	DFT-QPSK	L	Outer Full	VN	NT	13.000000	0.019316	PASS
N71	15	20	DFT-QPSK	L	Outer Full	VH	NT	5.000000	0.007429	PASS
N71	15	20	DFT-QPSK	L	Outer Full	NV	-30	12.000000	0.017831	PASS
N71	15	20	DFT-QPSK	L	Outer Full	NV	-20	4.000000	0.005944	PASS
N71	15	20	DFT-QPSK	L	Outer Full	NV	-10	2.000000	0.002972	PASS
N71	15	20	DFT-QPSK	L	Outer Full	NV	0	10.000000	0.014859	PASS
N71	15	20	DFT-QPSK	L	Outer Full	NV	10	1.000000	0.001486	PASS
N71	15	20	DFT-QPSK	L	Outer Full	NV	20	18.000000	0.026746	PASS
N71	15	20	DFT-QPSK	L	Outer Full	NV	30	10.000000	0.014859	PASS
N71	15	20	DFT-QPSK	L	Outer Full	NV	40	1.000000	0.001486	PASS
N71	15	20	DFT-QPSK	L	Outer Full	NV	50	9.000000	0.013373	PASS
N71	15	20	DFT-QPSK	M	Outer Full	VL	NT	17.000000	0.024982	PASS
N71	15	20	DFT-QPSK	M	Outer Full	VN	NT	11.000000	0.016164	PASS
N71	15	20	DFT-QPSK	M	Outer Full	VH	NT	3.000000	0.004409	PASS
N71	15	20	DFT-QPSK	M	Outer Full	NV	-30	10.000000	0.014695	PASS
N71	15	20	DFT-QPSK	M	Outer Full	NV	-20	5.000000	0.007348	PASS
N71	15	20	DFT-QPSK	M	Outer Full	NV	-10	2.000000	0.002939	PASS
N71	15	20	DFT-QPSK	M	Outer Full	NV	0	19.000000	0.027921	PASS
N71	15	20	DFT-QPSK	M	Outer Full	NV	10	11.000000	0.016164	PASS
N71	15	20	DFT-QPSK	M	Outer Full	NV	20	18.000000	0.026451	PASS
N71	15	20	DFT-QPSK	M	Outer Full	NV	30	16.000000	0.023512	PASS
N71	15	20	DFT-QPSK	M	Outer Full	NV	40	5.000000	0.007348	PASS
N71	15	20	DFT-QPSK	M	Outer Full	NV	50	3.000000	0.004409	PASS
N71	15	20	DFT-QPSK	H	Outer Full	VL	NT	12.000000	0.017442	PASS
N71	15	20	DFT-QPSK	H	Outer Full	VN	NT	6.000000	0.008721	PASS
N71	15	20	DFT-QPSK	H	Outer Full	VH	NT	1.000000	0.001453	PASS
N71	15	20	DFT-QPSK	H	Outer Full	NV	-30	11.000000	0.015987	PASS
N71	15	20	DFT-QPSK	H	Outer Full	NV	-20	3.000000	0.004360	PASS
N71	15	20	DFT-QPSK	H	Outer Full	NV	-10	1.000000	0.001453	PASS
N71	15	20	DFT-QPSK	H	Outer Full	NV	0	8.000000	0.011628	PASS
N71	15	20	DFT-QPSK	H	Outer Full	NV	10	7.000000	0.010174	PASS
N71	15	20	DFT-QPSK	H	Outer Full	NV	20	14.000000	0.020349	PASS
N71	15	20	DFT-QPSK	H	Outer Full	NV	30	9.000000	0.013081	PASS
N71	15	20	DFT-QPSK	H	Outer Full	NV	40	16.000000	0.023256	PASS
N71	15	20	DFT-QPSK	H	Outer Full	NV	50	14.000000	0.020349	PASS



Test Report No.: PSU-QSU2312140113RF07

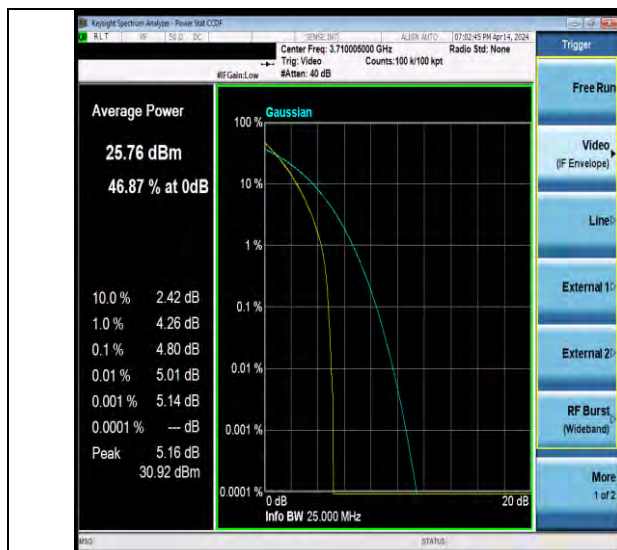
N77-3700-3980

PEAK-TO-AVERAGE RATIO(CCDF)

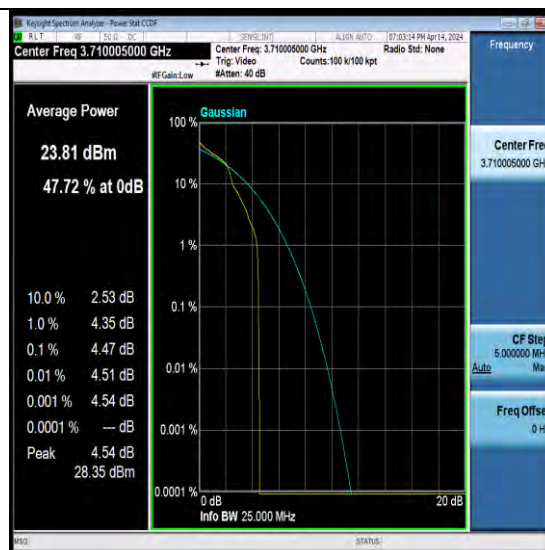
Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	5.25	≤ 13	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	4.47	≤ 13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	4.65	≤ 13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Edge_1RB_Left	4.47	≤ 13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	5.02	≤ 13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Left	4.33	≤ 13	PASS

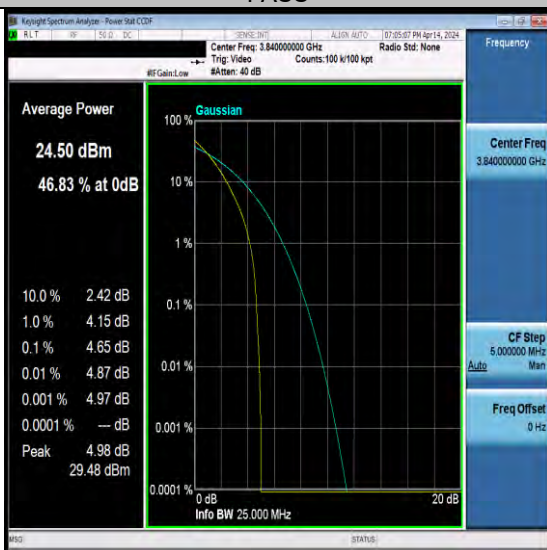
Test Graphs



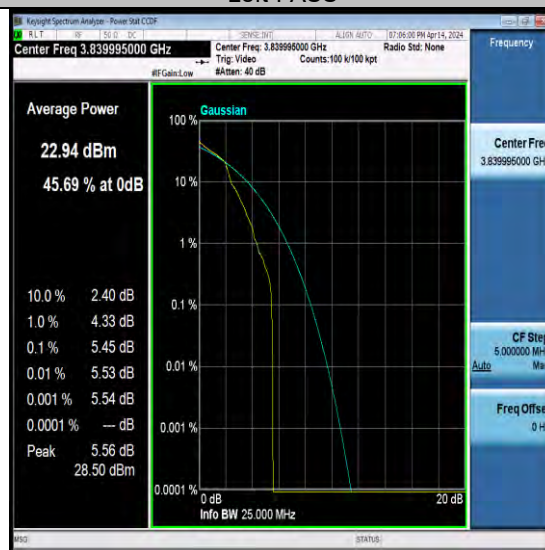
NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Outer_Full-PASS



NTNV-N77-3700-3980-PC2-30-20-L-DFT-QPSK-Edge_1RB_Left-PASS



NTNV-N77-3700-3980-PC2-30-20-M-DFT-QPSK-Outer_Full-PASS



NTNV-N77-3700-3980-PC2-30-20-M-DFT-QPSK-Edge_1RB_Left-PASS

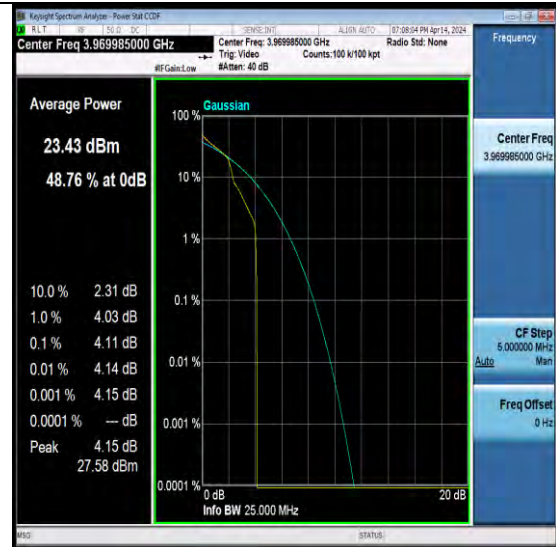


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VERITAS

Test Report No.: PSU-QSU2312140113RF07



NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Outer_Full-PASS



NTNV-N77-3700-3980-PC2-30-20-H-DFT-QPSK-Edge_1RB_Left-PASS



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
N77-3700-3980	30	20	DFT-PI2BPSK	M	Outer_Full	17.804	18.84	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	17.827	18.87	PASS
N77-3700-3980	30	20	DFT-16QAM	M	Outer_Full	17.863	18.75	PASS
N77-3700-3980	30	20	DFT-64QAM	M	Outer_Full	17.804	19.04	PASS
N77-3700-3980	30	20	DFT-256QAM	M	Outer_Full	17.805	18.90	PASS
N77-3700-3980	30	30	DFT-PI2BPSK	M	Outer_Full	26.782	28.22	PASS
N77-3700-3980	30	30	DFT-QPSK	M	Outer_Full	26.728	28.13	PASS
N77-3700-3980	30	30	DFT-16QAM	M	Outer_Full	26.748	28.14	PASS
N77-3700-3980	30	30	DFT-64QAM	M	Outer_Full	26.745	28.19	PASS
N77-3700-3980	30	30	DFT-256QAM	M	Outer_Full	26.762	28.07	PASS
N77-3700-3980	30	40	DFT-PI2BPSK	M	Outer_Full	35.727	37.46	PASS
N77-3700-3980	30	40	DFT-QPSK	M	Outer_Full	35.694	37.30	PASS
N77-3700-3980	30	40	DFT-16QAM	M	Outer_Full	35.814	37.53	PASS
N77-3700-3980	30	40	DFT-64QAM	M	Outer_Full	35.755	37.47	PASS
N77-3700-3980	30	40	DFT-256QAM	M	Outer_Full	35.766	37.46	PASS
N77-3700-3980	30	60	DFT-PI2BPSK	M	Outer_Full	57.742	59.91	PASS
N77-3700-3980	30	60	DFT-QPSK	M	Outer_Full	57.874	60.02	PASS
N77-3700-3980	30	60	DFT-16QAM	M	Outer_Full	57.745	59.91	PASS
N77-3700-3980	30	60	DFT-64QAM	M	Outer_Full	57.777	59.99	PASS
N77-3700-3980	30	60	DFT-256QAM	M	Outer_Full	57.772	60.01	PASS
N77-3700-3980	30	80	DFT-PI2BPSK	M	Outer_Full	77.110	79.70	PASS
N77-3700-3980	30	80	DFT-QPSK	M	Outer_Full	77.096	79.65	PASS



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VERITAS

Test Report No.: PSU-QSU2312140113RF07

-3980								
N77-3700 -3980	30	80	DFT-16QAM	M	Outer_Full	76.883	79.72	PASS
N77-3700 -3980	30	80	DFT-64QAM	M	Outer_Full	77.211	79.62	PASS
N77-3700 -3980	30	80	DFT-256QAM	M	Outer_Full	77.058	79.65	PASS
N77-3700 -3980	30	100	DFT-PI2BPSK	M	Outer_Full	96.137	99.45	PASS
N77-3700 -3980	30	100	DFT-QPSK	M	Outer_Full	96.309	99.67	PASS
N77-3700 -3980	30	100	DFT-16QAM	M	Outer_Full	96.388	99.52	PASS
N77-3700 -3980	30	100	DFT-64QAM	M	Outer_Full	96.273	99.50	PASS
N77-3700 -3980	30	100	DFT-256QAM	M	Outer_Full	96.221	99.50	PASS