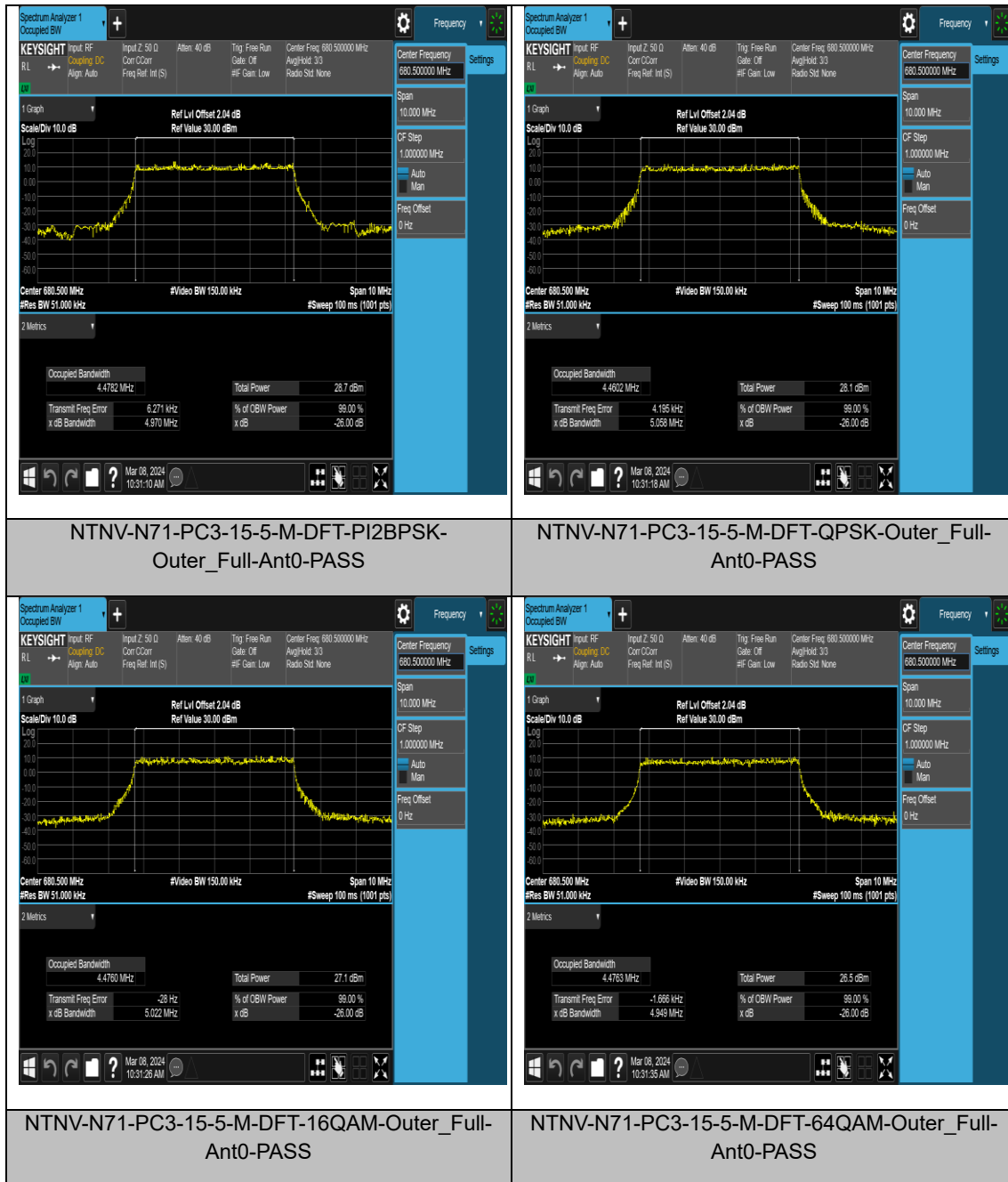




BUREAU
VERITAS

Reference No.: W7L-231218W001RF11

Test Graphs



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

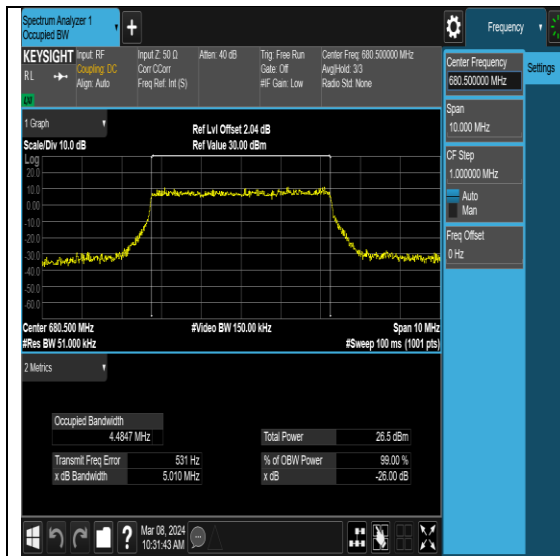
Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com

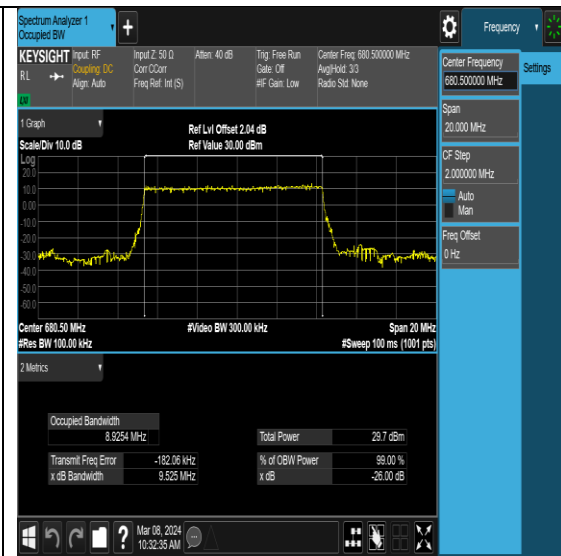


BUREAU
VERITAS

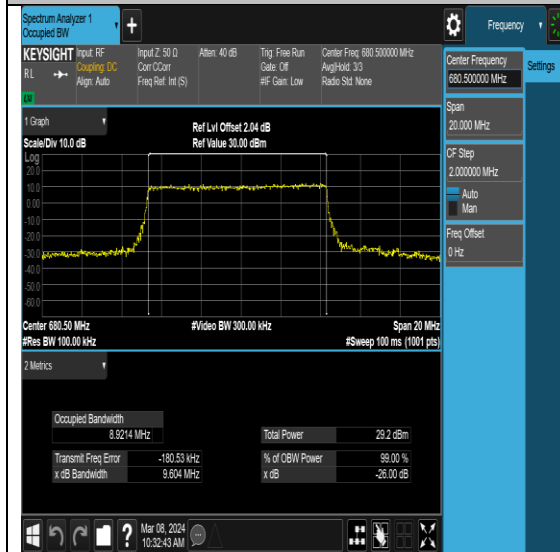
Reference No.: W7L-231218W001RF11



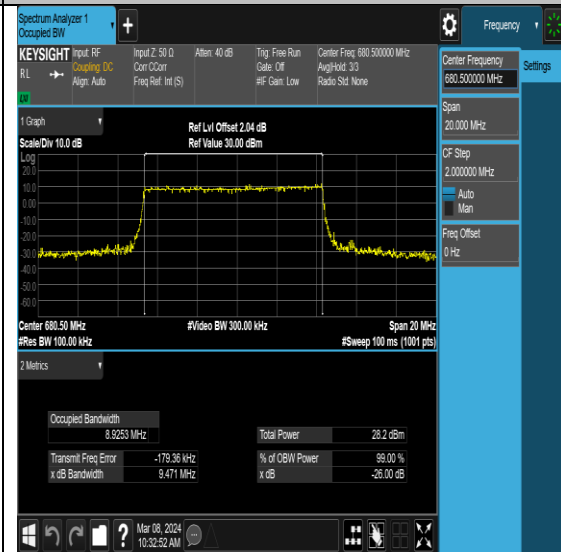
NTNV-N71-PC3-15-5-M-DFT-256QAM-Outer_Full-Ant0-PASS



NTNV-N71-PC3-15-10-M-DFT-PI2BPSK-Outer_Full-Ant0-PASS



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



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

BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

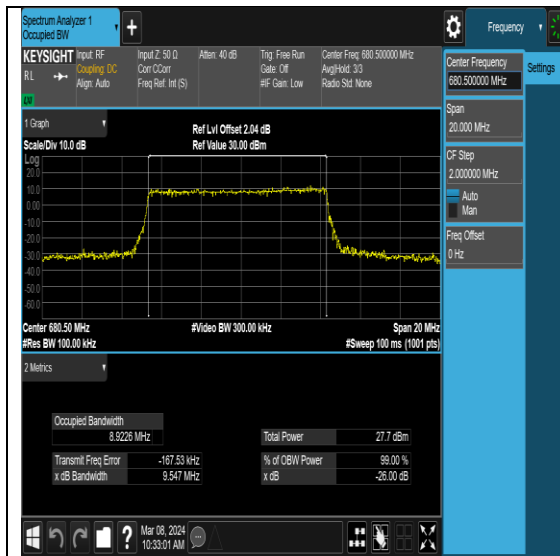
Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com

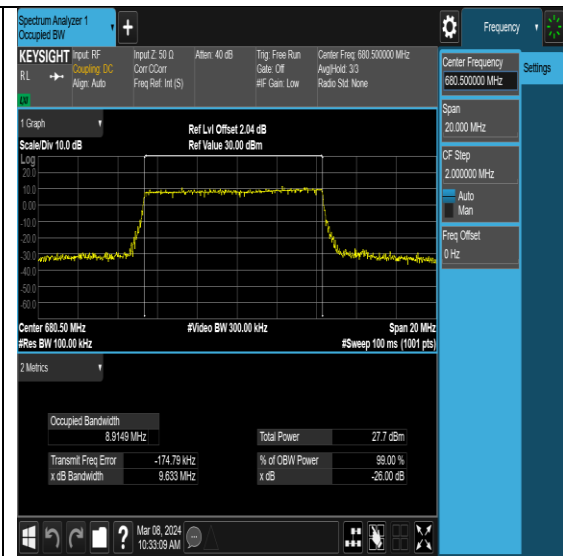


BUREAU
VERITAS

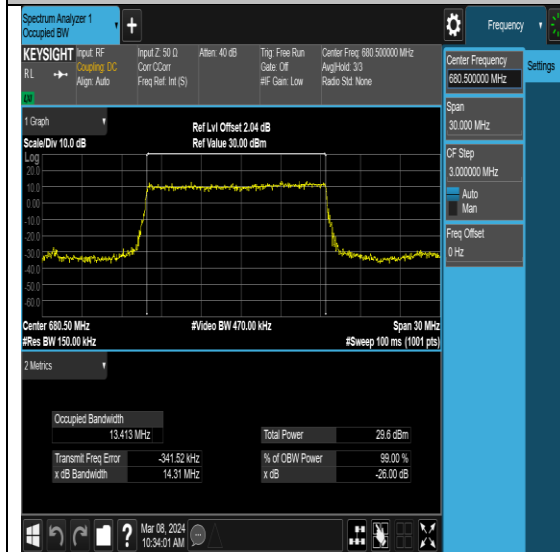
Reference No.: W7L-231218W001RF11



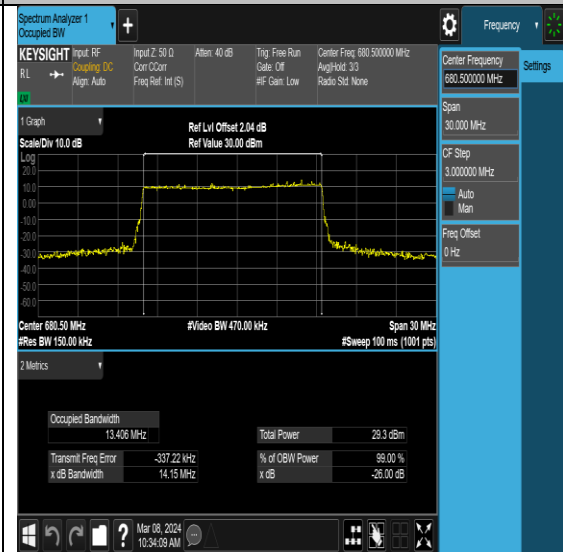
NTNV-N71-PC3-15-10-M-DFT-64QAM-Outer_Full-Ant0-PASS



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



NTNV-N71-PC3-15-15-M-DFT-PI2BPSK-Outer_Full-Ant0-PASS

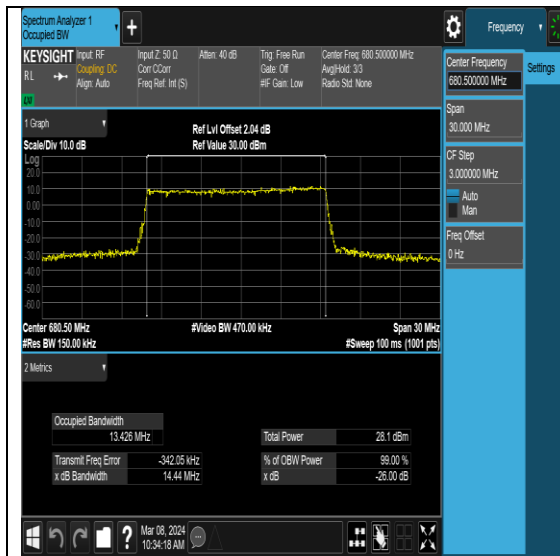


NTNV-N71-PC3-15-15-M-DFT-QPSK-Outer_Full-Ant0-PASS

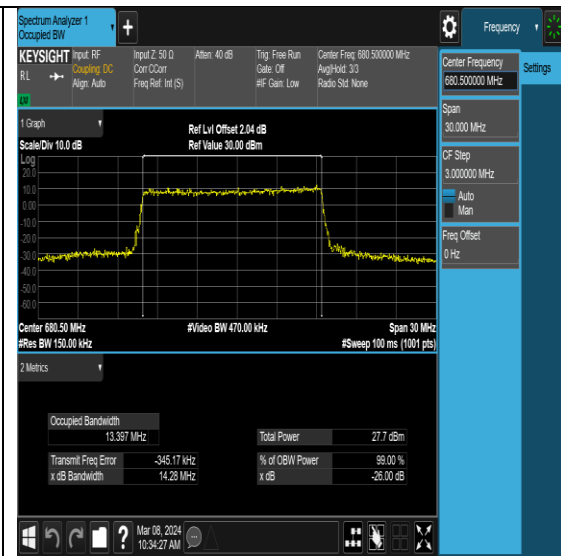


BUREAU
VERITAS

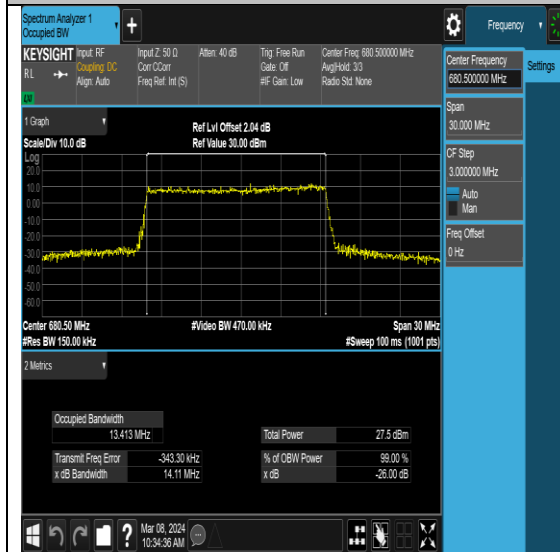
Reference No.: W7L-231218W001RF11



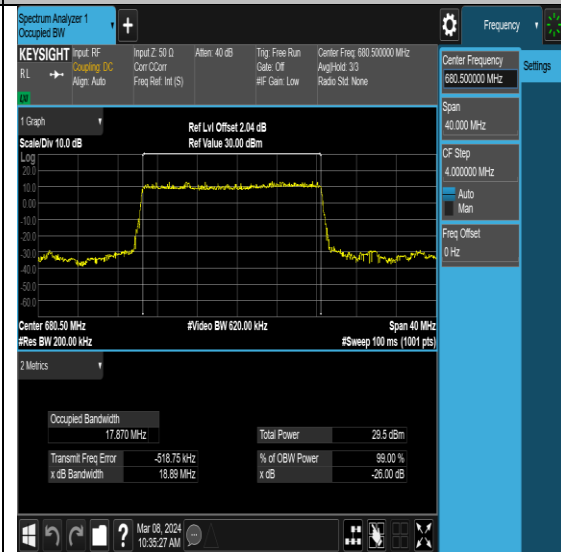
NTNV-N71-PC3-15-15-M-DFT-16QAM-Outer_Full-Ant0-PASS



NTNV-N71-PC3-15-15-M-DFT-64QAM-Outer_Full-Ant0-PASS



NTNV-N71-PC3-15-15-M-DFT-256QAM-Outer_Full-Ant0-PASS

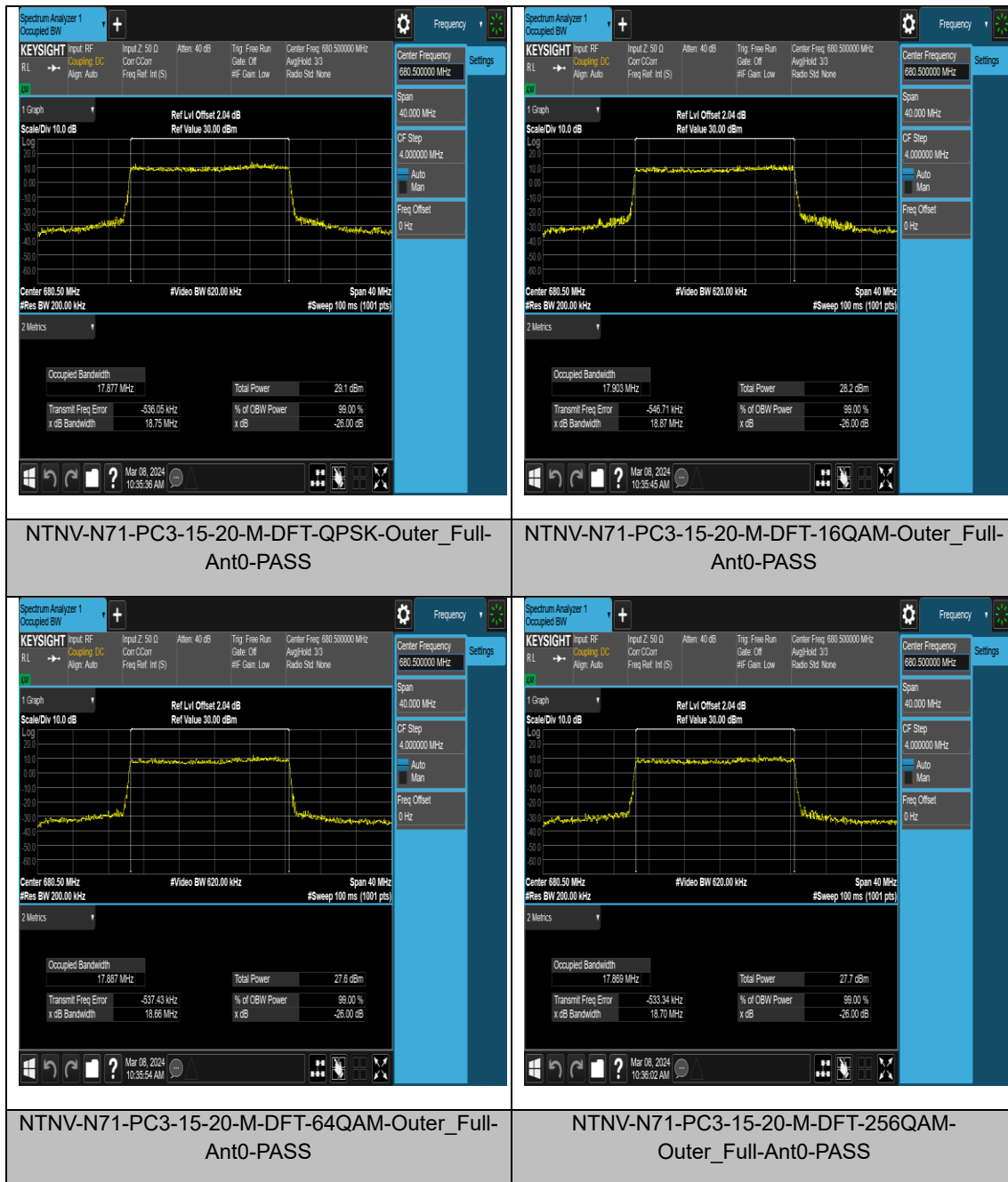


NTNV-N71-PC3-15-20-M-DFT-PI2BPSK-Outer_Full-Ant0-PASS



BUREAU
VERITAS

Reference No.: W7L-231218W001RF11



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



Band Edge

Test Result

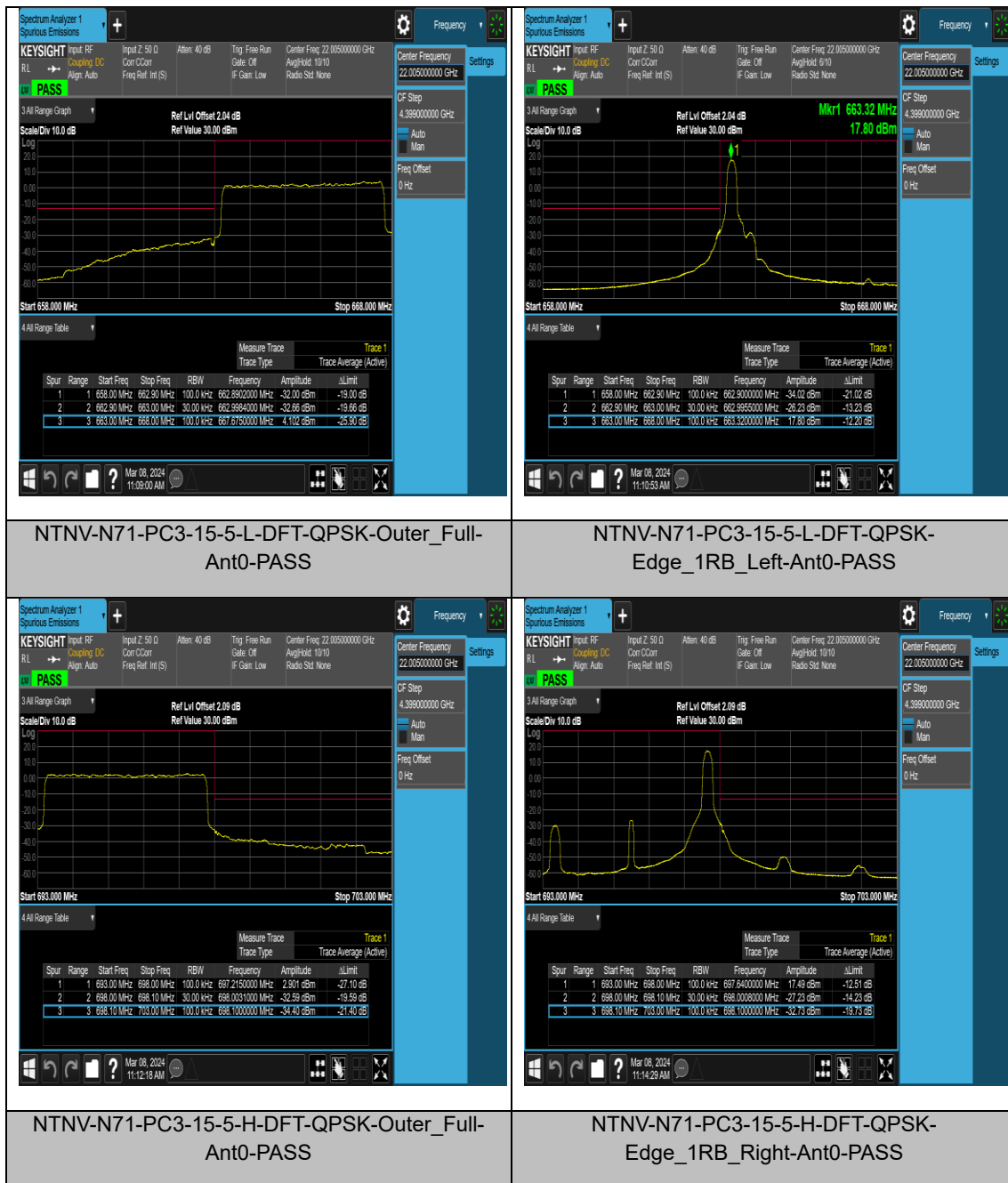
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N71	15	5	DFT-QPSK	L	Outer_Full	-32.00	PASS
N71	15	5	DFT-QPSK	L	Edge_1RB_Left	-34.02	PASS
N71	15	5	DFT-QPSK	H	Outer_Full	-32.59	PASS
N71	15	5	DFT-QPSK	H	Edge_1RB_Right	-27.23	PASS
N71	15	10	DFT-QPSK	L	Outer_Full	-37.53	PASS
N71	15	10	DFT-QPSK	L	Edge_1RB_Left	-27.60	PASS
N71	15	10	DFT-QPSK	H	Outer_Full	-40.56	PASS
N71	15	10	DFT-QPSK	H	Edge_1RB_Right	-28.69	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	-40.77	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Left	-33.52	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	-44.45	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Right	-35.59	PASS



BUREAU
VERITAS

Reference No.: W7L-231218W001RF11

Test Graphs



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

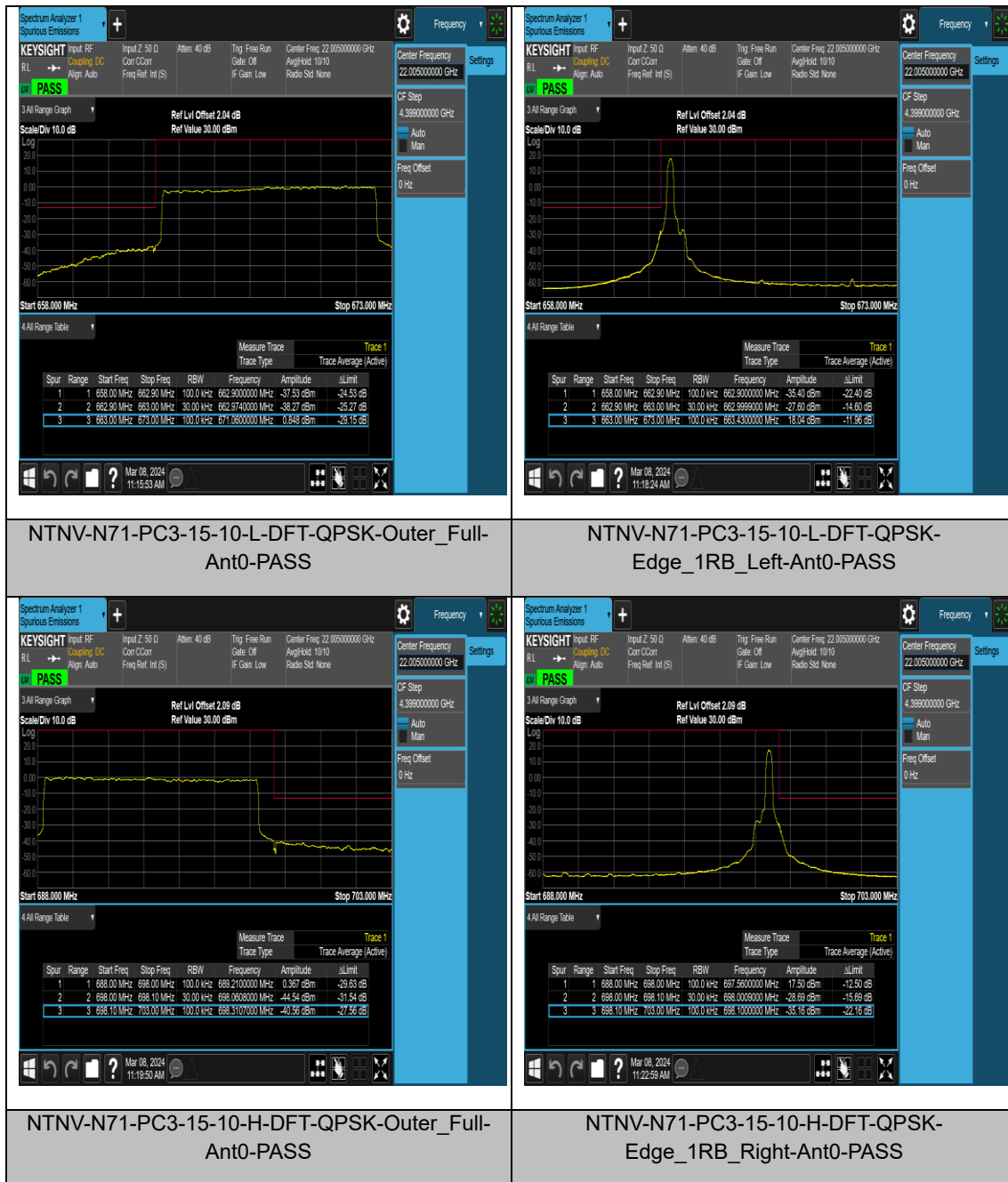
Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



BUREAU
VERITAS

Reference No.: W7L-231218W001RF11



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com

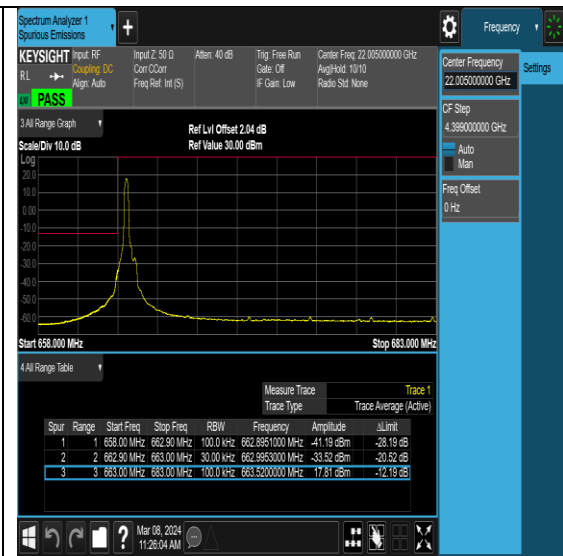


BUREAU
VERITAS

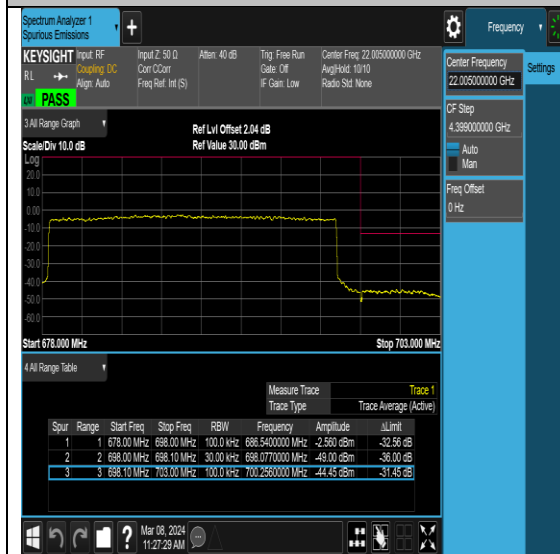
Reference No.: W7L-231218W001RF11



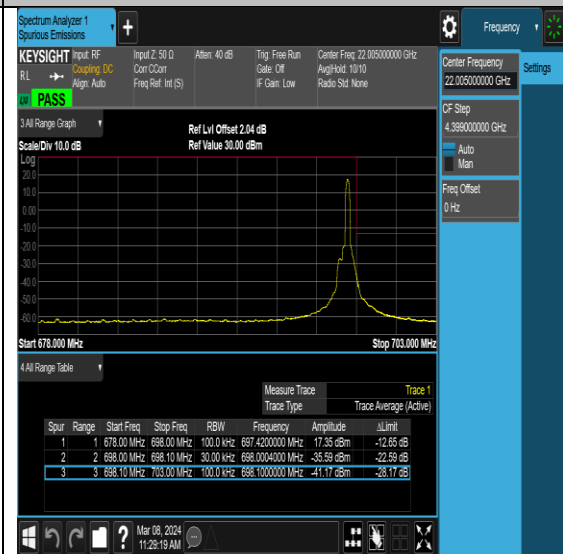
NTNV-N71-PC3-15-20-L-DFT-QPSK-Outter_Full-Ant0-PASS



NTNV-N71-PC3-15-20-L-DFT-QPSK-Edge_1RB_Left-Ant0-PASS



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



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

BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



Conducted Spurious Emission

Test Result

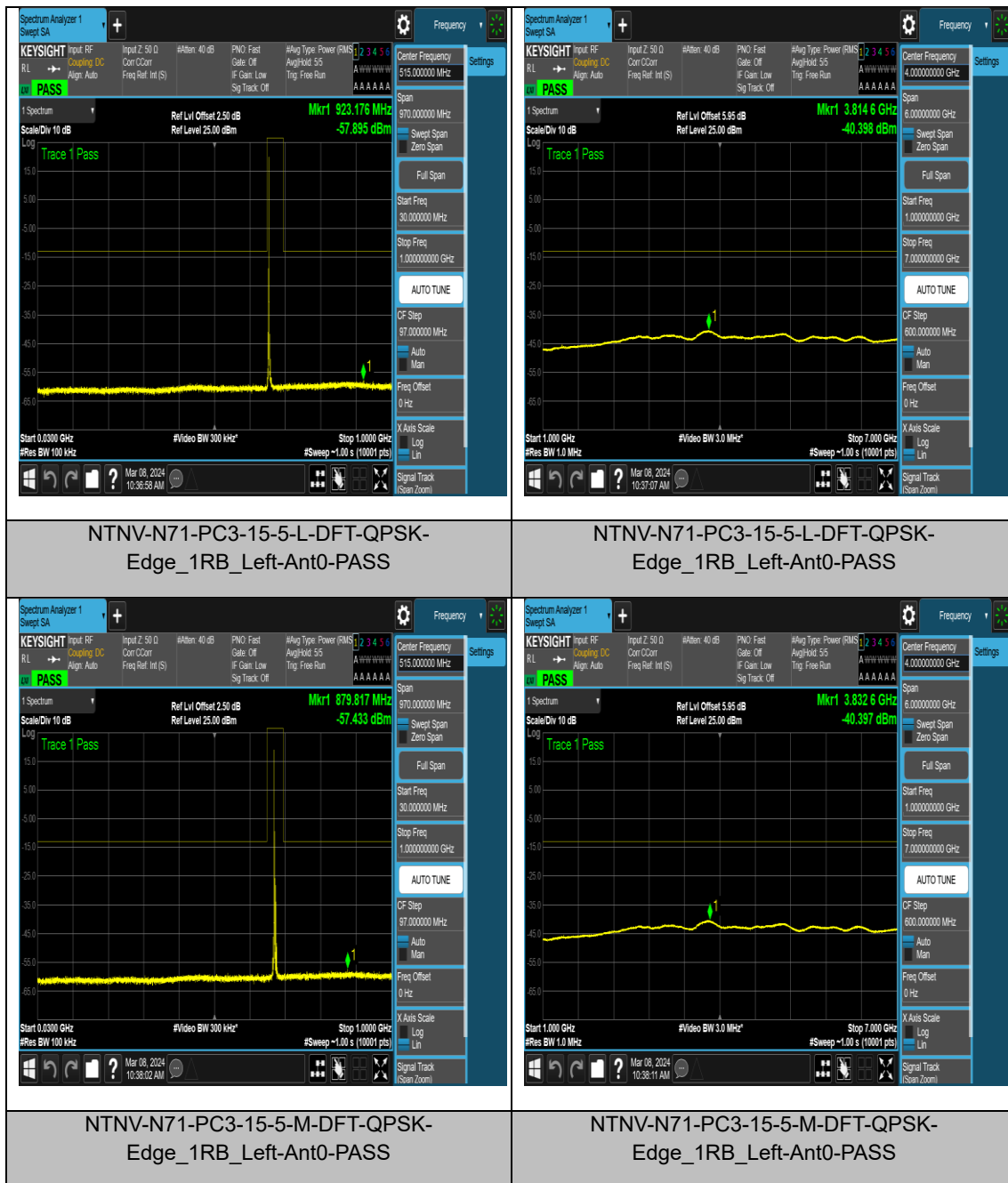
Band	SCS	Bandwidth	Modulation	Channel	RB Config	StartFreq	StopFreq	Result	Limit	Verdict
N71	15	5	DFT-QPSK	L	Edge_1RB_Left	30	1000	-57.90	-13	PASS
N71	15	5	DFT-QPSK	L	Edge_1RB_Left	1000	7000	-40.40	-13	PASS
N71	15	5	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.43	-13	PASS
N71	15	5	DFT-QPSK	M	Edge_1RB_Left	1000	7000	-40.40	-13	PASS
N71	15	5	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.93	-13	PASS
N71	15	5	DFT-QPSK	H	Edge_1RB_Left	1000	7000	-40.43	-13	PASS
N71	15	10	DFT-QPSK	L	Edge_1RB_Left	30	1000	-58.04	-13	PASS
N71	15	10	DFT-QPSK	L	Edge_1RB_Left	1000	7000	-40.36	-13	PASS
N71	15	10	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.84	-13	PASS
N71	15	10	DFT-QPSK	M	Edge_1RB_Left	1000	7000	-40.25	-13	PASS
N71	15	10	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.55	-13	PASS
N71	15	10	DFT-QPSK	H	Edge_1RB_Left	1000	7000	-40.45	-13	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Left	30	1000	-57.98	-13	PASS
N71	15	20	DFT-QPSK	L	Edge_1RB_Left	1000	7000	-40.36	-13	PASS
N71	15	20	DFT-QPSK	M	Edge_1RB_Left	30	1000	-57.85	-13	PASS
N71	15	20	DFT-QPSK	M	Edge_1RB_Left	1000	7000	-40.39	-13	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Left	30	1000	-57.86	-13	PASS
N71	15	20	DFT-QPSK	H	Edge_1RB_Left	1000	7000	-40.36	-13	PASS



BUREAU
VERITAS

Reference No.: W7L-231218W001RF11

Test Graphs



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

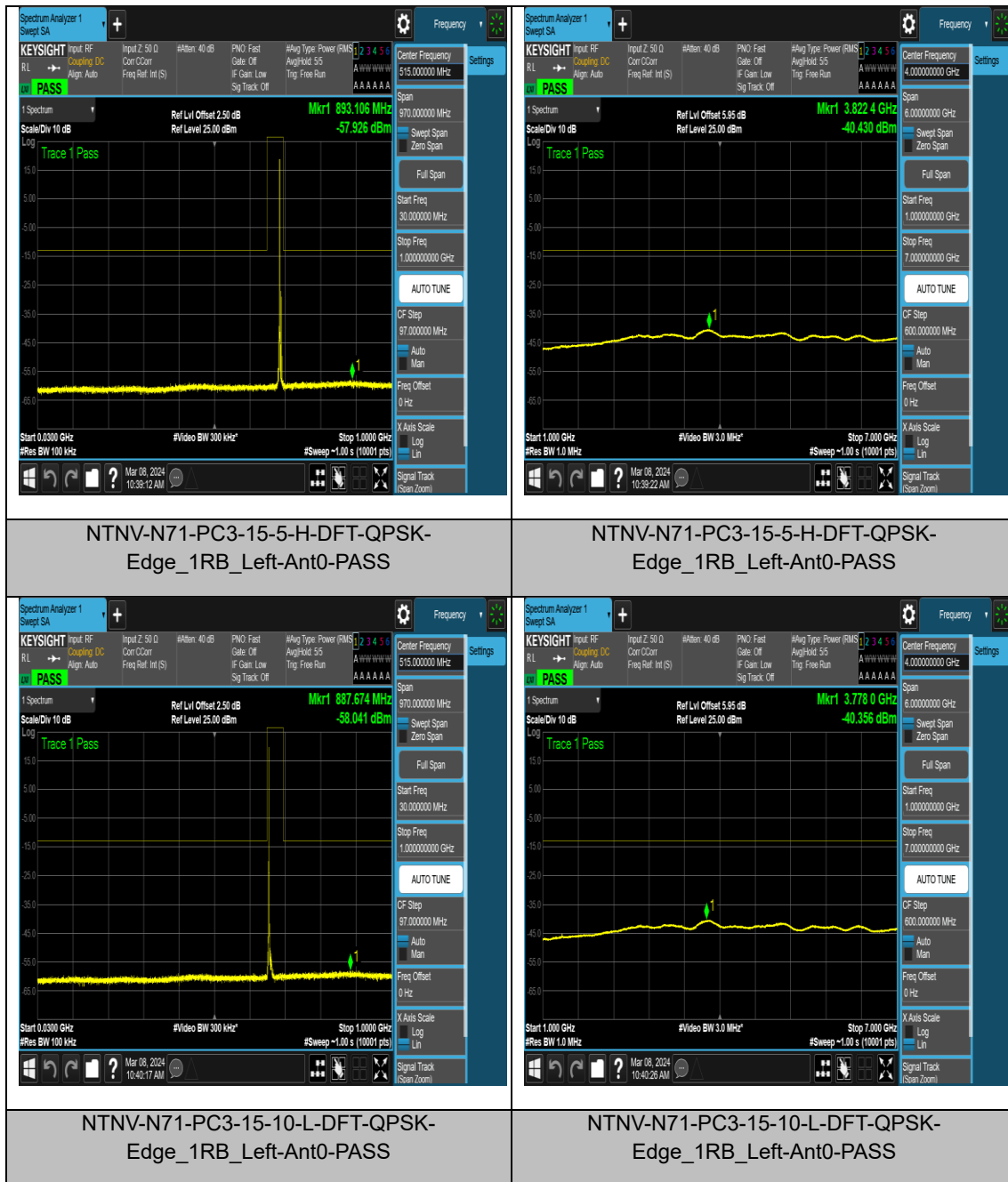
Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



BUREAU
VERITAS

Reference No.: W7L-231218W001RF11



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

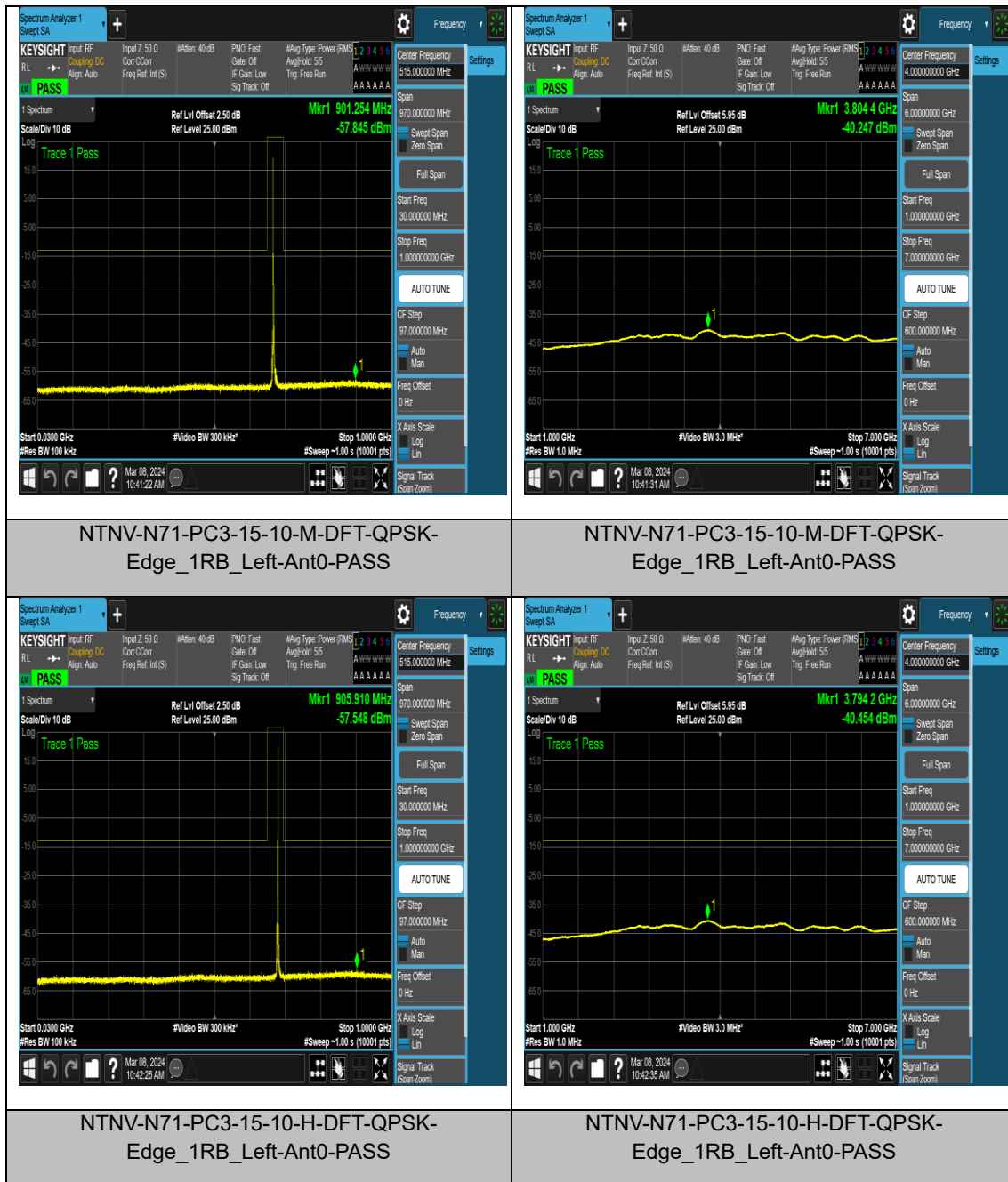
Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



BUREAU
VERITAS

Reference No.: W7L-231218W001RF11



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

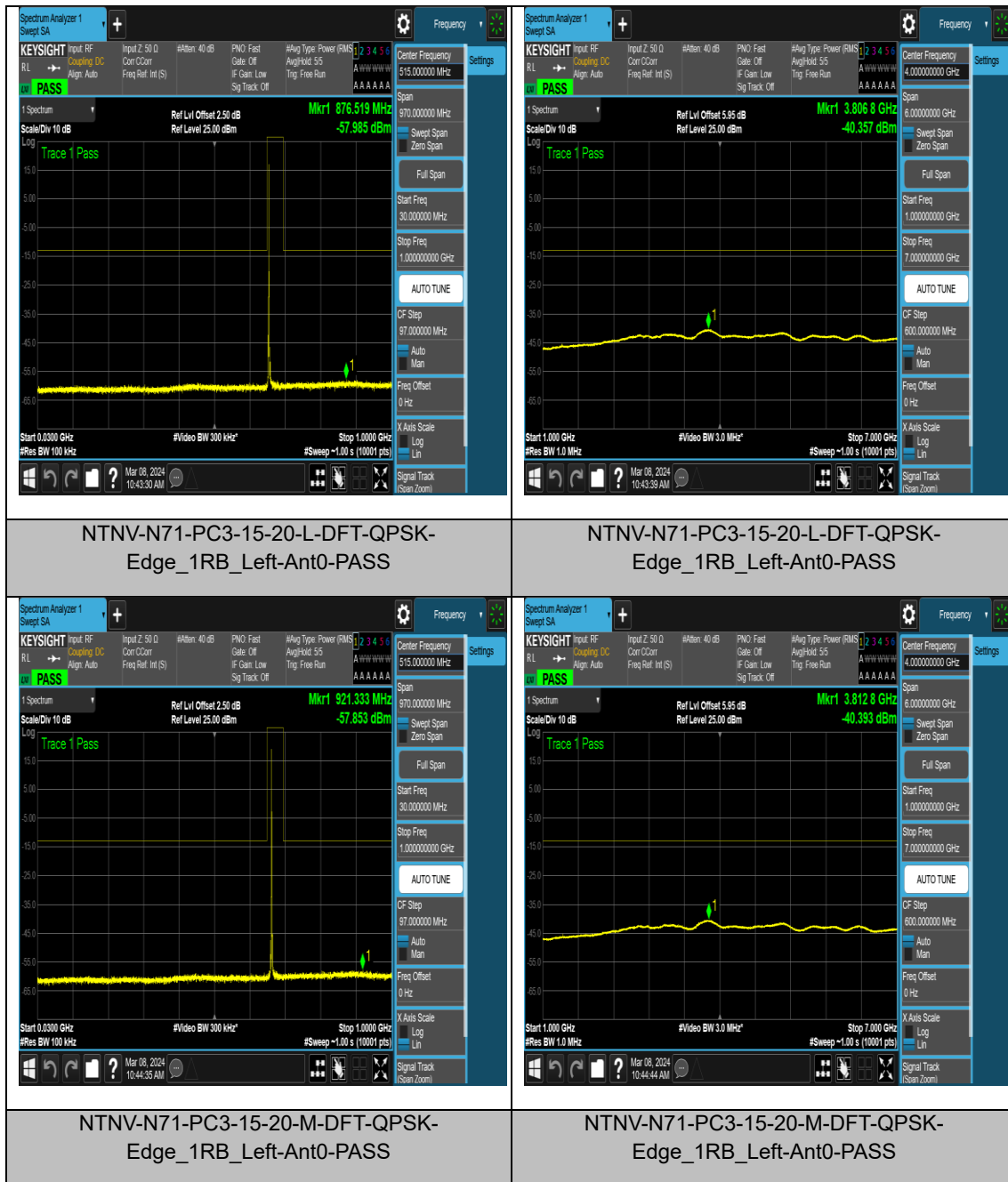
Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



BUREAU
VERITAS

Reference No.: W7L-231218W001RF11



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

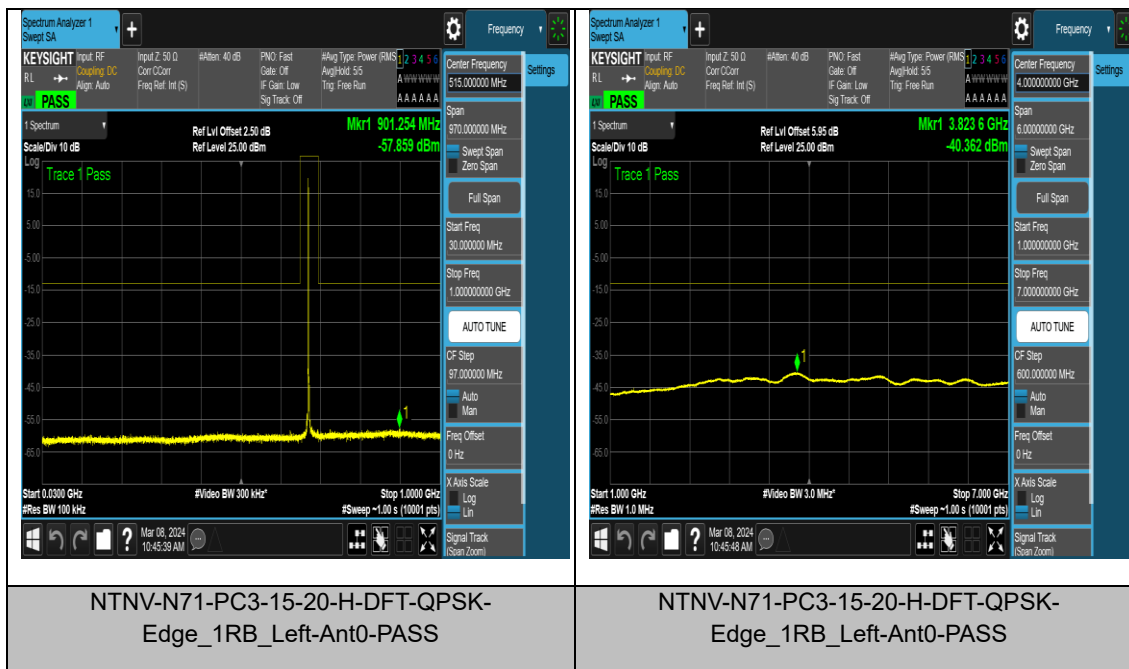
Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



BUREAU
VERITAS

Reference No.: W7L-231218W001RF11



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



Frequency Stability

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	14.000000	0.020802	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	VH	NT	9.000000	0.013373	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	-30	11.000000	0.016344	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	-20	7.000000	0.010401	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	-10	18.000000	0.026746	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	0	12.000000	0.017831	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	10	8.000000	0.011887	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	20	3.000000	0.004458	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	30	5.000000	0.007429	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	40	3.000000	0.004458	PASS
N71	15	20	DFT-QPSK	L	Outer_Full	NV	50	14.000000	0.020802	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	VL	NT	6.000000	0.008817	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	VN	NT	1.000000	0.001470	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	17.000000	0.024982	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	-20	9.000000	0.013226	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	-10	18.000000	0.026451	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	0	9.000000	0.013226	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	10	12.000000	0.017634	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	20	14.000000	0.020573	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	30	6.000000	0.008817	PASS
N71	15	20	DFT-QPSK	M	Outer_Full	NV	40	11.000000	0.016164	PASS



N71	15	20	DFT-QPSK	M	Outer_Full	NV	50	10.000000	0.014695	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	VL	NT	9.000000	0.013081	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	VN	NT	15.000000	0.021802	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	VH	NT	6.000000	0.008721	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	4.000000	0.005814	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	-10	6.000000	0.008721	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	0	16.000000	0.023256	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	10	6.000000	0.008721	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	20	1.000000	0.001453	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	30	15.000000	0.021802	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	40	17.000000	0.024709	PASS
N71	15	20	DFT-QPSK	H	Outer_Full	NV	50	16.000000	0.023256	PASS



N77-3700-3980

Peak-to-Average Ratio(CCDF)

Test Result

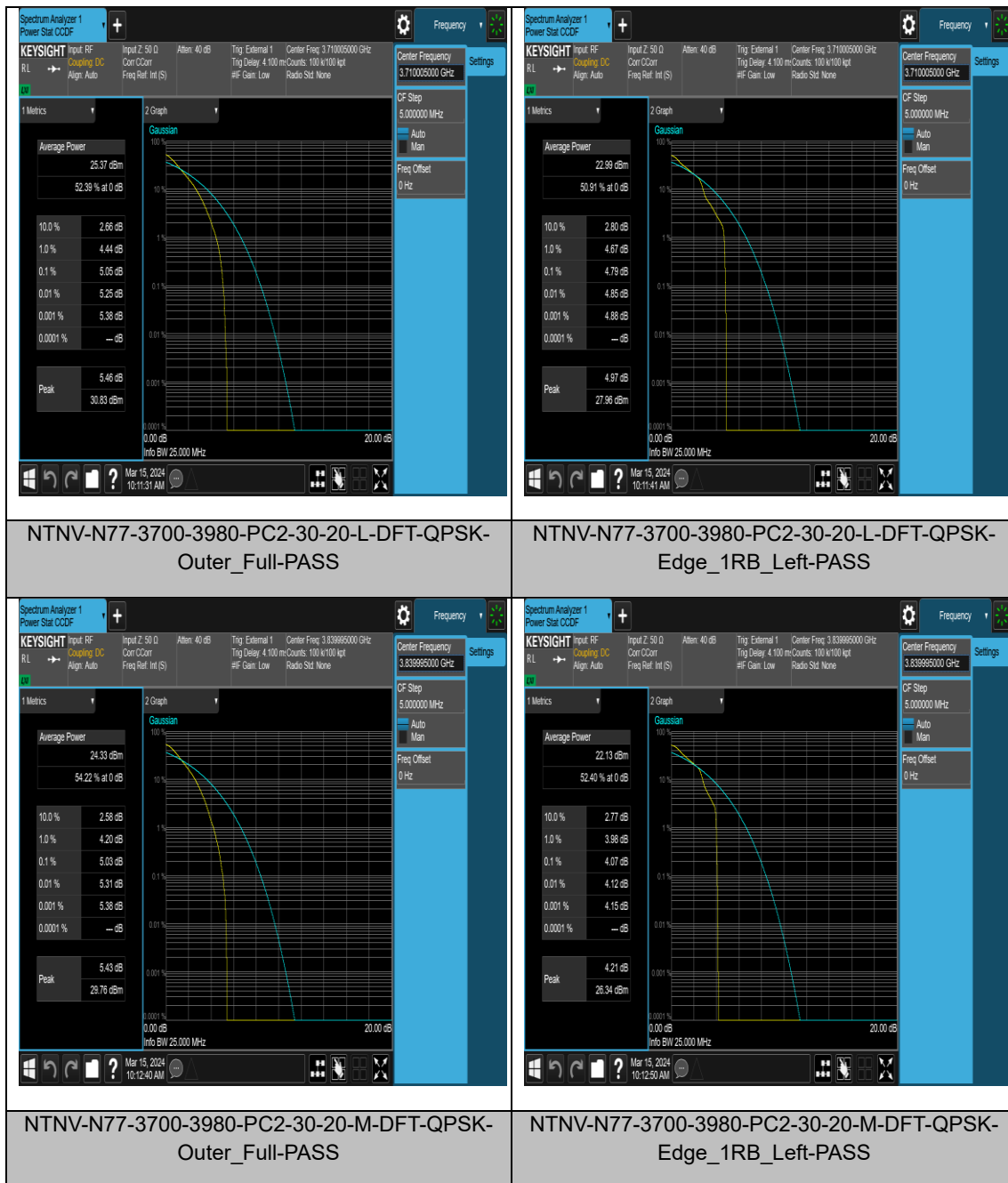
Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N77-3700-3980	30	20	DFT-QPSK	L	Outer_Full	5.05	≤13	PASS
N77-3700-3980	30	20	DFT-QPSK	L	Edge_1RB_Left	4.79	≤13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Outer_Full	5.03	≤13	PASS
N77-3700-3980	30	20	DFT-QPSK	M	Edge_1RB_Left	4.07	≤13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Outer_Full	4.85	≤13	PASS
N77-3700-3980	30	20	DFT-QPSK	H	Edge_1RB_Left	4.23	≤13	PASS



BUREAU
VERITAS

Reference No.: W7L-231218W001RF11

Test Graphs



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

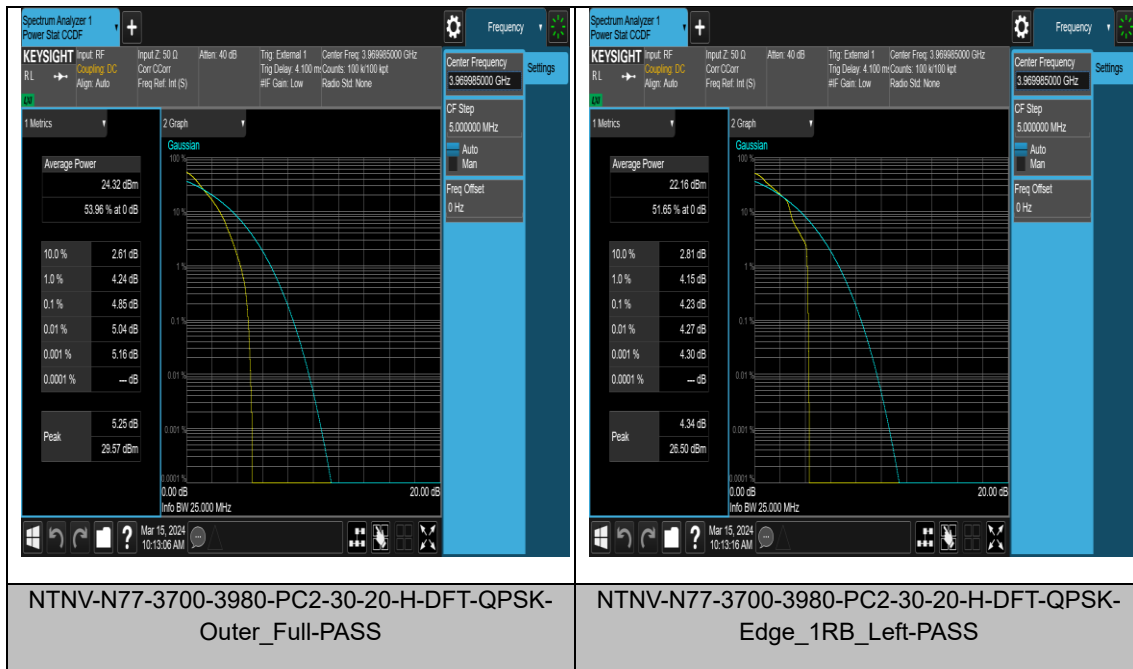
Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



BUREAU
VERITAS

Reference No.: W7L-231218W001RF11



BV 7Layers Communications Technology
(Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan 4th Road,
Zhaoshang Street, Nanshan District Shenzhen,
Guangdong, People's Republic of China

Tel: +86 755 8869 6566

Fax: +86 755 8869 6577

Email: customerservice.sw@bureauveritas.com



26dB Bandwidth and Occupied Bandwidth

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N77- 3700- 3980	30	20	DFT-PI2BPSK	M	Outer_Full	17.791	18.84	PASS
N77- 3700- 3980	30	20	DFT-QPSK	M	Outer_Full	17.871	20.03	PASS
N77- 3700- 3980	30	20	DFT-16QAM	M	Outer_Full	17.892	18.99	PASS
N77- 3700- 3980	30	20	DFT-64QAM	M	Outer_Full	17.842	19.48	PASS
N77- 3700- 3980	30	20	DFT-256QAM	M	Outer_Full	17.849	19.29	PASS
N77- 3700- 3980	30	30	DFT-PI2BPSK	M	Outer_Full	26.769	28.61	PASS
N77- 3700- 3980	30	30	DFT-QPSK	M	Outer_Full	26.812	29.23	PASS
N77- 3700- 3980	30	30	DFT-16QAM	M	Outer_Full	26.776	29.16	PASS
N77- 3700- 3980	30	30	DFT-64QAM	M	Outer_Full	26.788	28.57	PASS
N77- 3700- 3980	30	30	DFT-256QAM	M	Outer_Full	26.786	28.43	PASS
N77- 3700- 3980	30	40	DFT-PI2BPSK	M	Outer_Full	35.779	37.81	PASS