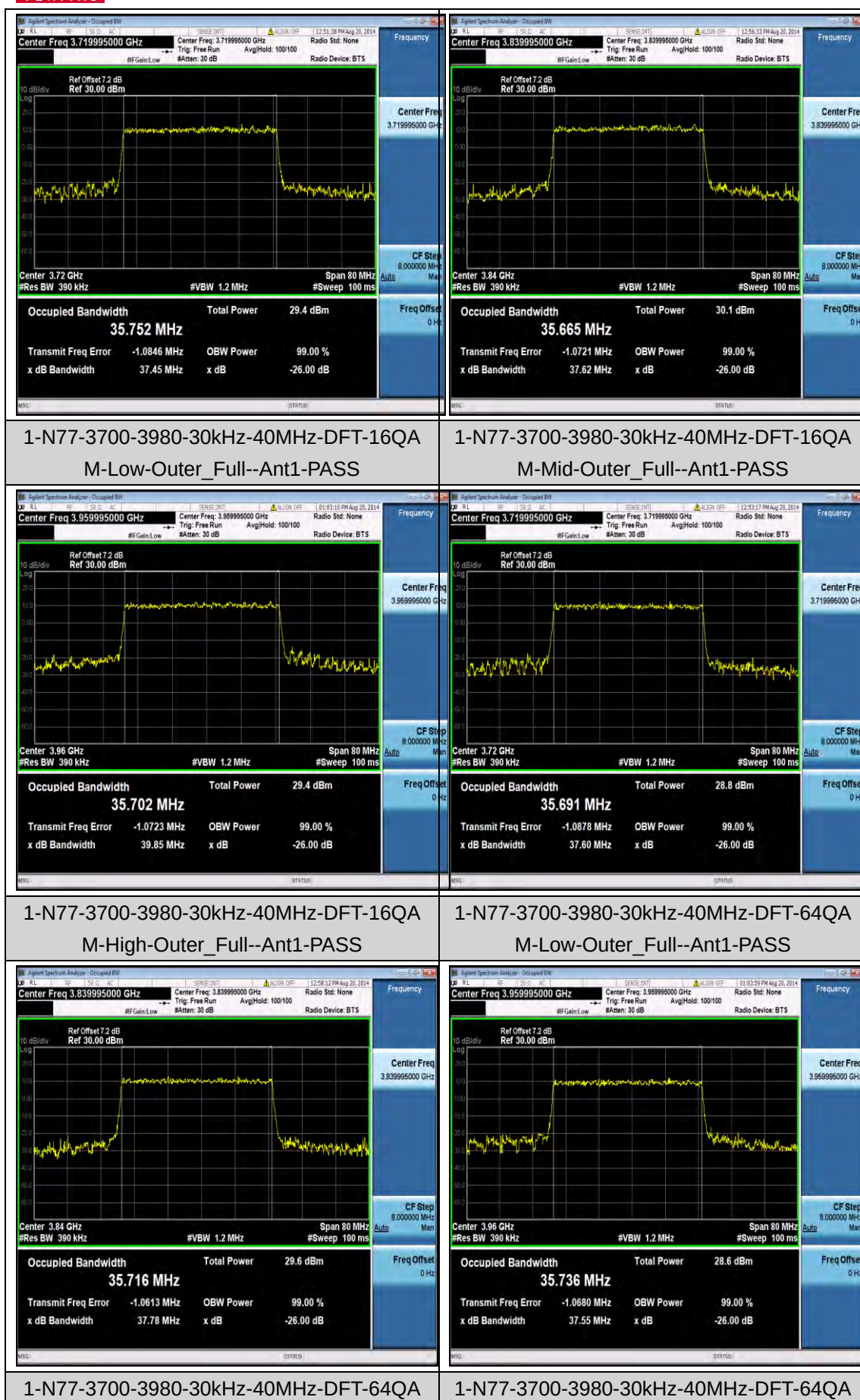




BUREAU
VERITAS

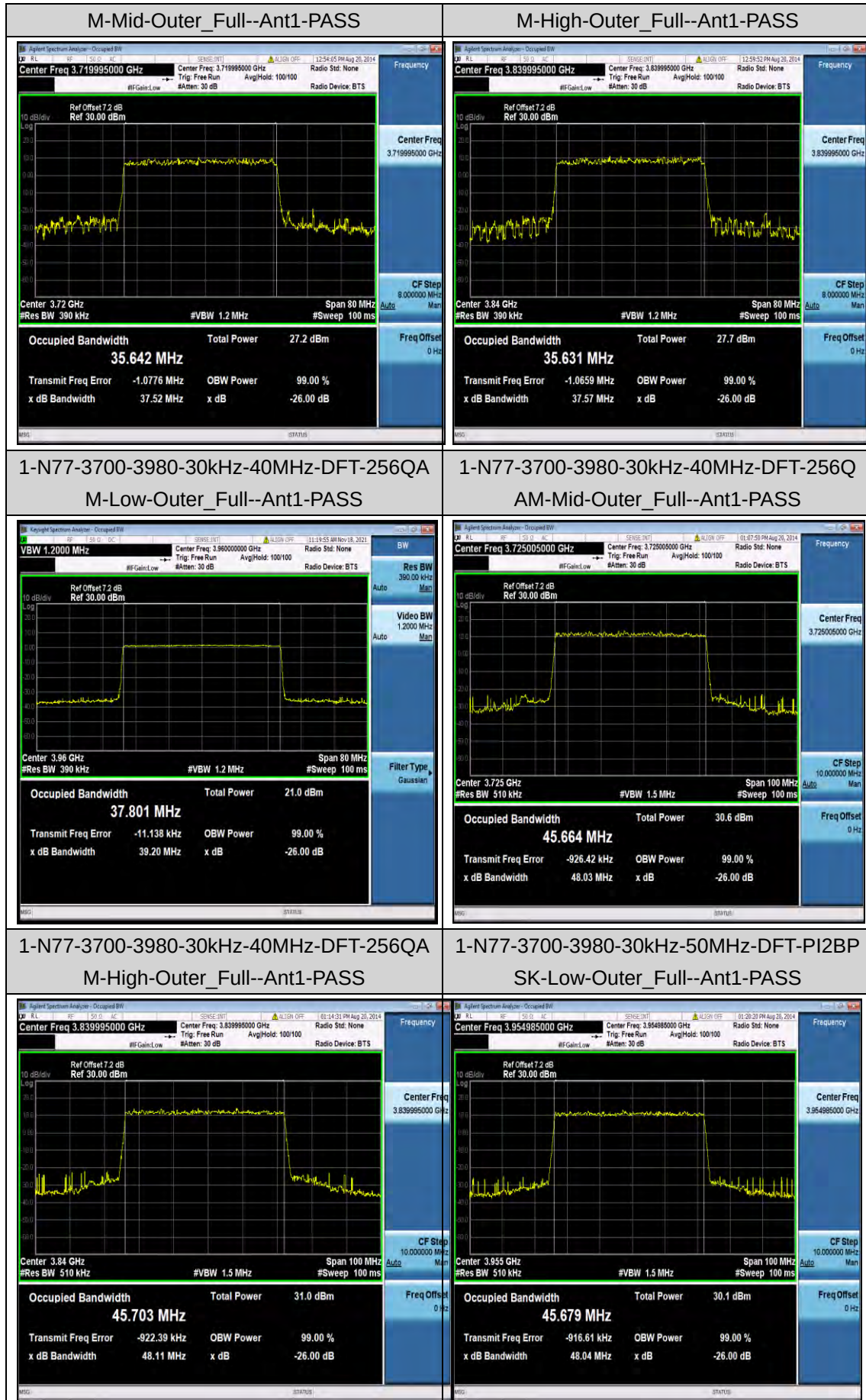
Test Report No.: W7L-P20210616-3RF06



BV 7Layers Communications
Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan
Avenue, North Area, Hi-Tech Industrial Park, Nanshan
District, Shenzhen, Guangdong, China

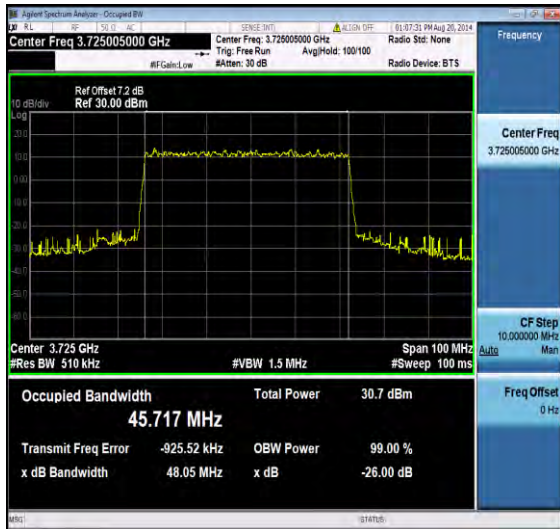
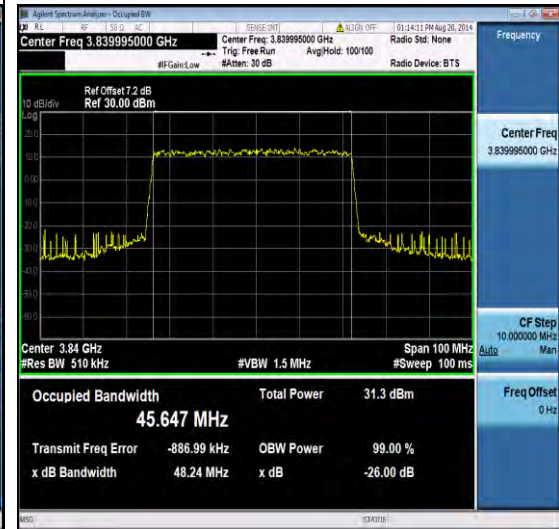
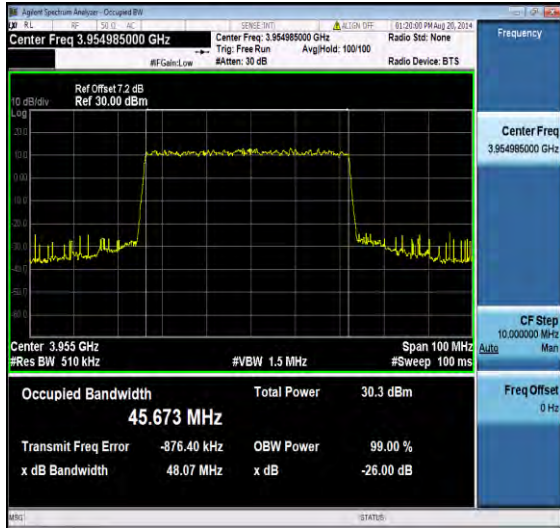
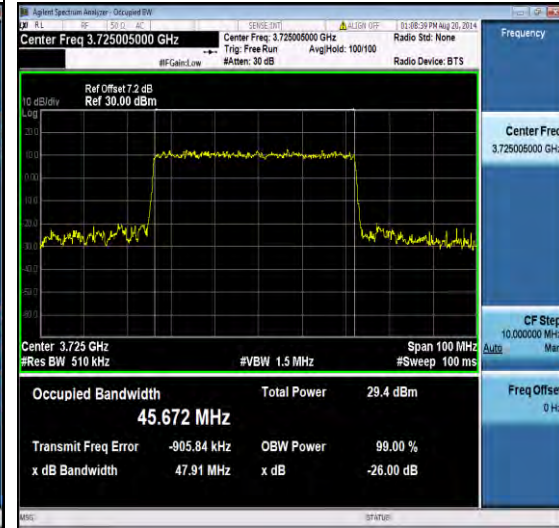
Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com





BUREAU
VERITAS

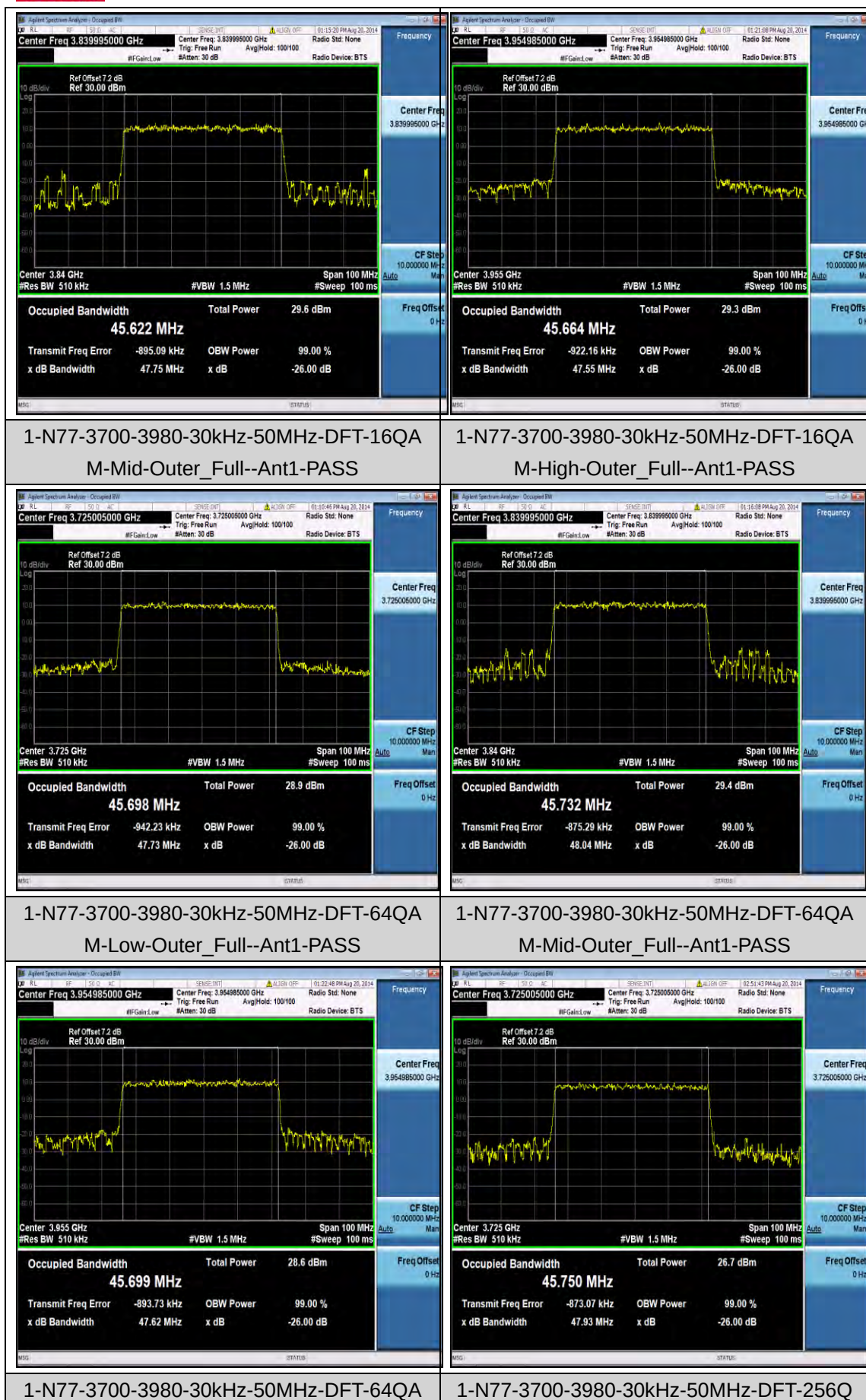
Test Report No.: W7L-P20210616-3RF06

1-N77-3700-3980-30kHz-50MHz-DFT-PI2BP SK-Mid-Outer_Full--Ant1-PASS	1-N77-3700-3980-30kHz-50MHz-DFT-PI2BP SK-High-Outer_Full--Ant1-PASS
	
1-N77-3700-3980-30kHz-50MHz-DFT-QPSK- Low-Outer_Full--Ant1-PASS	1-N77-3700-3980-30kHz-50MHz-DFT-QPSK- -Mid-Outer_Full--Ant1-PASS
	
1-N77-3700-3980-30kHz-50MHz-DFT-QPSK- High-Outer_Full--Ant1-PASS	1-N77-3700-3980-30kHz-50MHz-DFT-16QA M-Low-Outer_Full--Ant1-PASS



BUREAU
VERITAS

Test Report No.: W7L-P20210616-3RF06



BV 7Layers Communications
Technology (Shenzhen) Co. Ltd

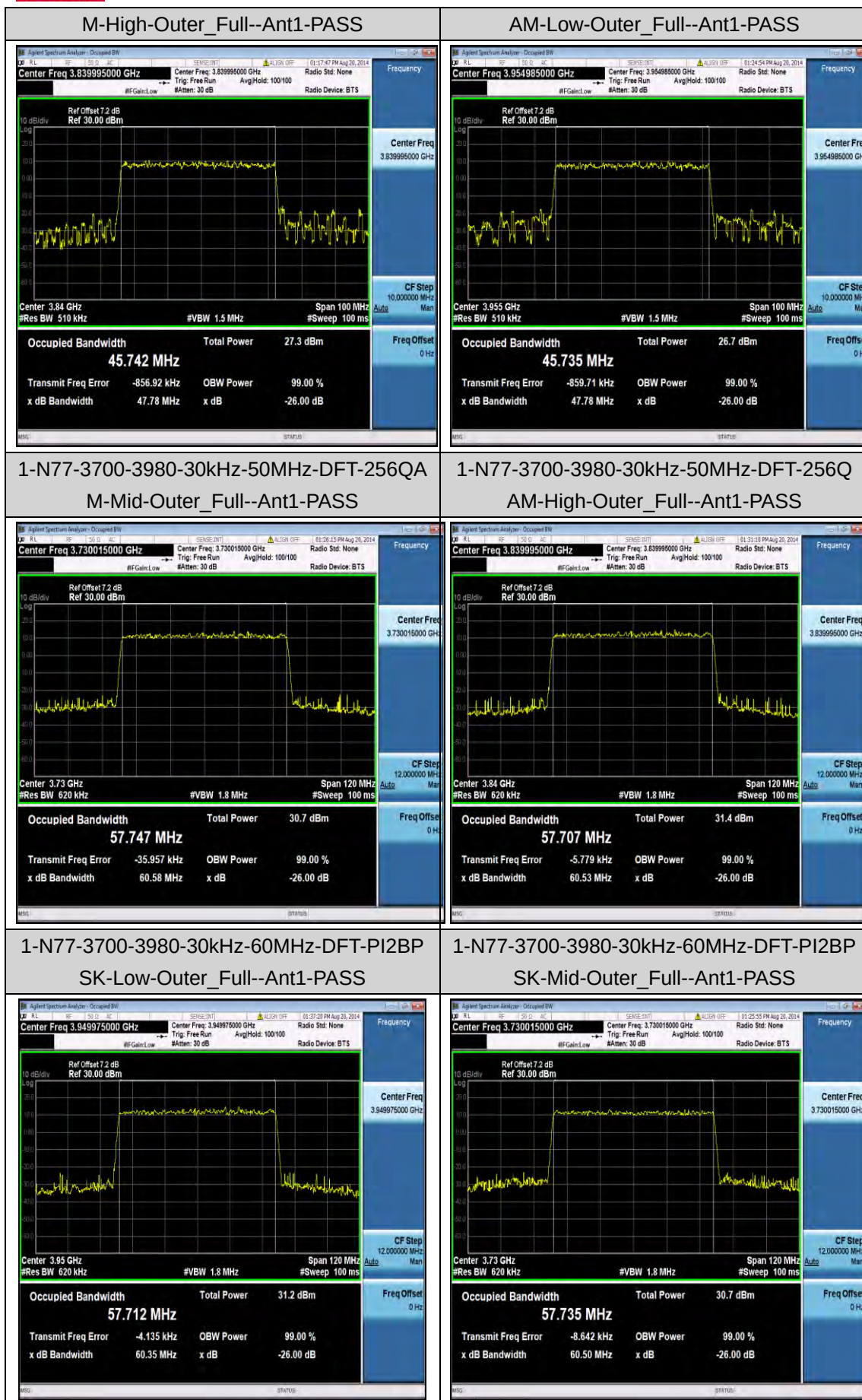
No.B102, Dazu Chuangxin Mansion, North of Beihuan
Avenue, North Area, Hi-Tech Industrial Park, Nanshan
District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com



BUREAU
VERITAS

Test Report No.: W7L-P20210616-3RF06





BUREAU
VERITAS

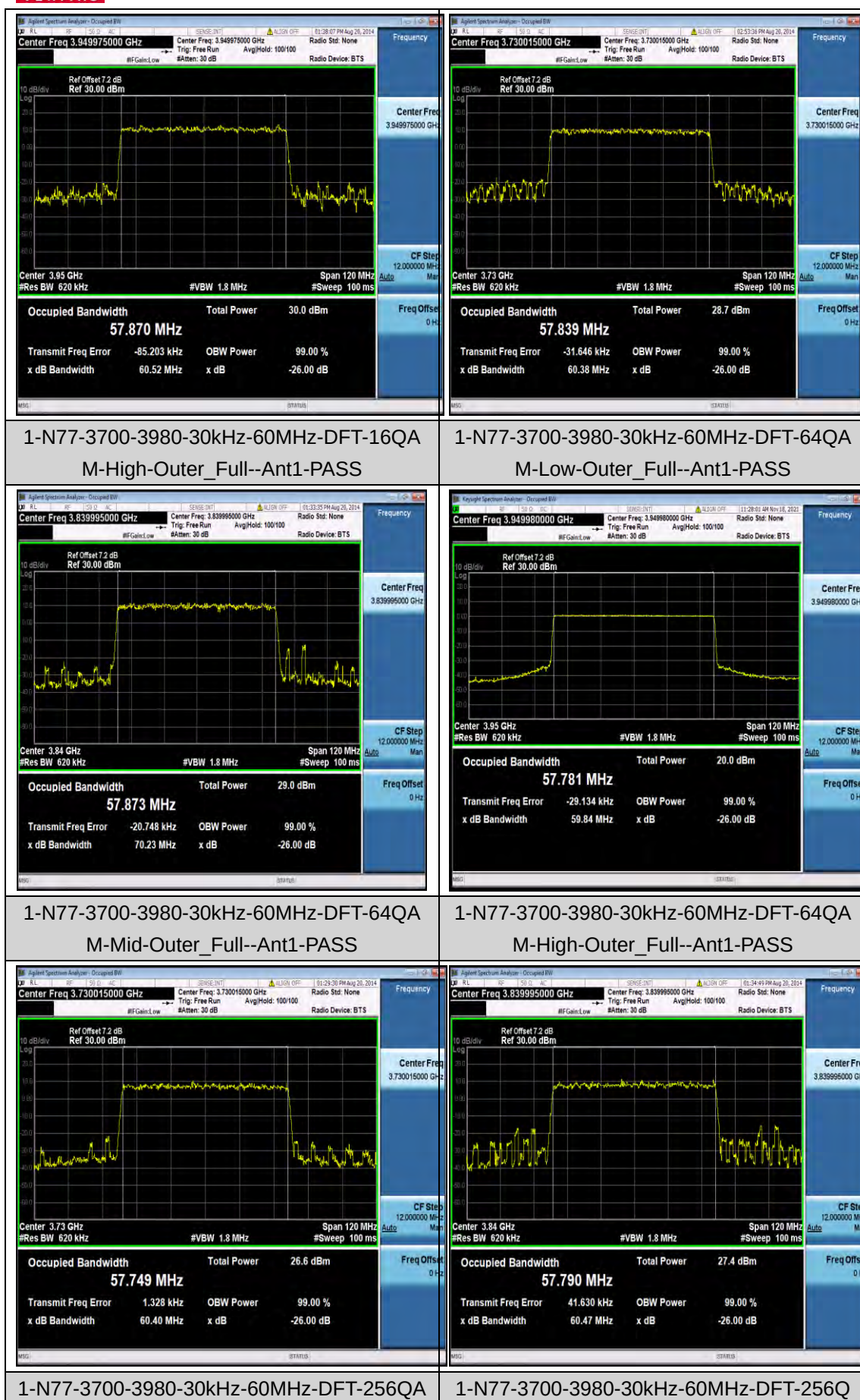
Test Report No.: W7L-P20210616-3RF06

1-N77-3700-3980-30kHz-60MHz-DFT-PI2BP SK-High-Outer_Full--Ant1-PASS	1-N77-3700-3980-30kHz-60MHz-DFT-QPSK -Low-Outer_Full--Ant1-PASS
Agilent Spectrum Analyzer - Occupied BW Center Freq: 3.83995000 GHz Ref Offset: 7.2 dB Ref: 30.00 dBm Occupied Bandwidth: 57.707 MHz Total Power: 31.4 dBm Transmit Freq Error: 2.842 kHz OBW Power: 99.00 % x dB Bandwidth: 60.49 MHz x dB: -26.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq: 3.94975000 GHz Ref Offset: 7.2 dB Ref: 30.00 dBm Occupied Bandwidth: 57.674 MHz Total Power: 31.4 dBm Transmit Freq Error: 13.101 kHz OBW Power: 99.00 % x dB Bandwidth: 60.45 MHz x dB: -26.00 dB
1-N77-3700-3980-30kHz-60MHz-DFT-QPSK- Mid-Outer_Full--Ant1-PASS	1-N77-3700-3980-30kHz-60MHz-DFT-QPSK -High-Outer_Full--Ant1-PASS
Agilent Spectrum Analyzer - Occupied BW Center Freq: 3.730015000 GHz Ref Offset: 7.2 dB Ref: 30.00 dBm Occupied Bandwidth: 57.871 MHz Total Power: 29.2 dBm Transmit Freq Error: -67.063 kHz OBW Power: 99.00 % x dB Bandwidth: 60.45 MHz x dB: -26.00 dB	Agilent Spectrum Analyzer - Occupied BW Center Freq: 3.83995000 GHz Ref Offset: 7.2 dB Ref: 30.00 dBm Occupied Bandwidth: 57.924 MHz Total Power: 30.1 dBm Transmit Freq Error: -6.604 kHz OBW Power: 99.00 % x dB Bandwidth: 61.83 MHz x dB: -26.00 dB
1-N77-3700-3980-30kHz-60MHz-DFT-16QA M-Low-Outer_Full--Ant1-PASS	1-N77-3700-3980-30kHz-60MHz-DFT-16QA M-Mid-Outer_Full--Ant1-PASS



BUREAU
VERITAS

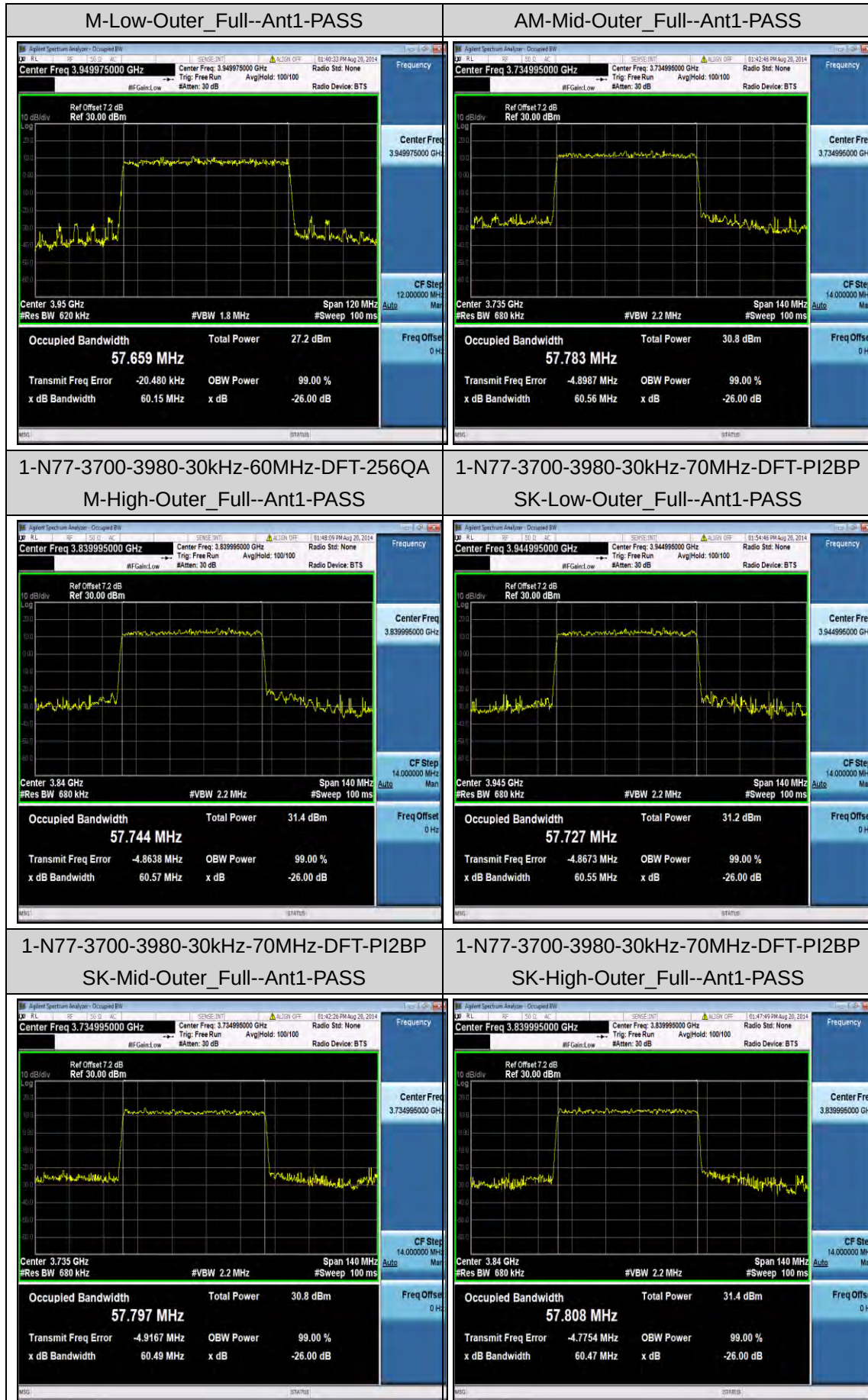
Test Report No.: W7L-P20210616-3RF06



BV 7Layers Communications
Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan
Avenue, North Area, Hi-Tech Industrial Park, Nanshan
District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com





BUREAU
VERITAS

Test Report No.: W7L-P20210616-3RF06

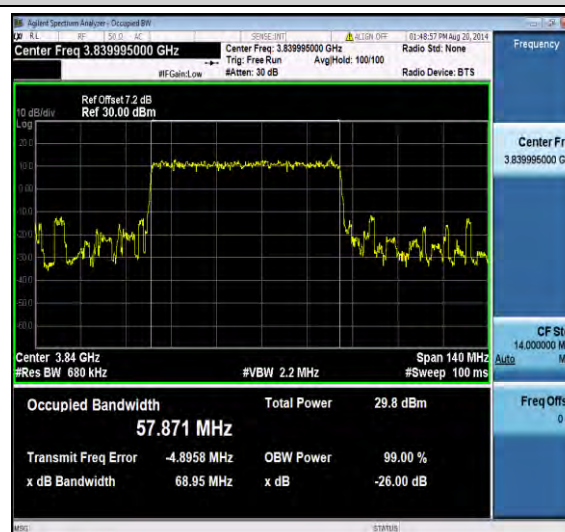
1-N77-3700-3980-30kHz-70MHz-DFT-QPSK-
Low-Outer_Full--Ant1-PASS



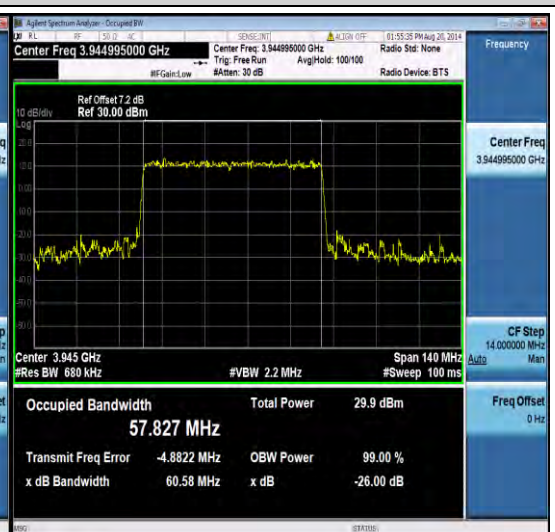
1-N77-3700-3980-30kHz-70MHz-DFT-QPSK
-Mid-Outer_Full--Ant1-PASS



1-N77-3700-3980-30kHz-70MHz-DFT-QPSK-
High-Outer_Full--Ant1-PASS



1-N77-3700-3980-30kHz-70MHz-DFT-16QA
M-Low-Outer_Full--Ant1-PASS



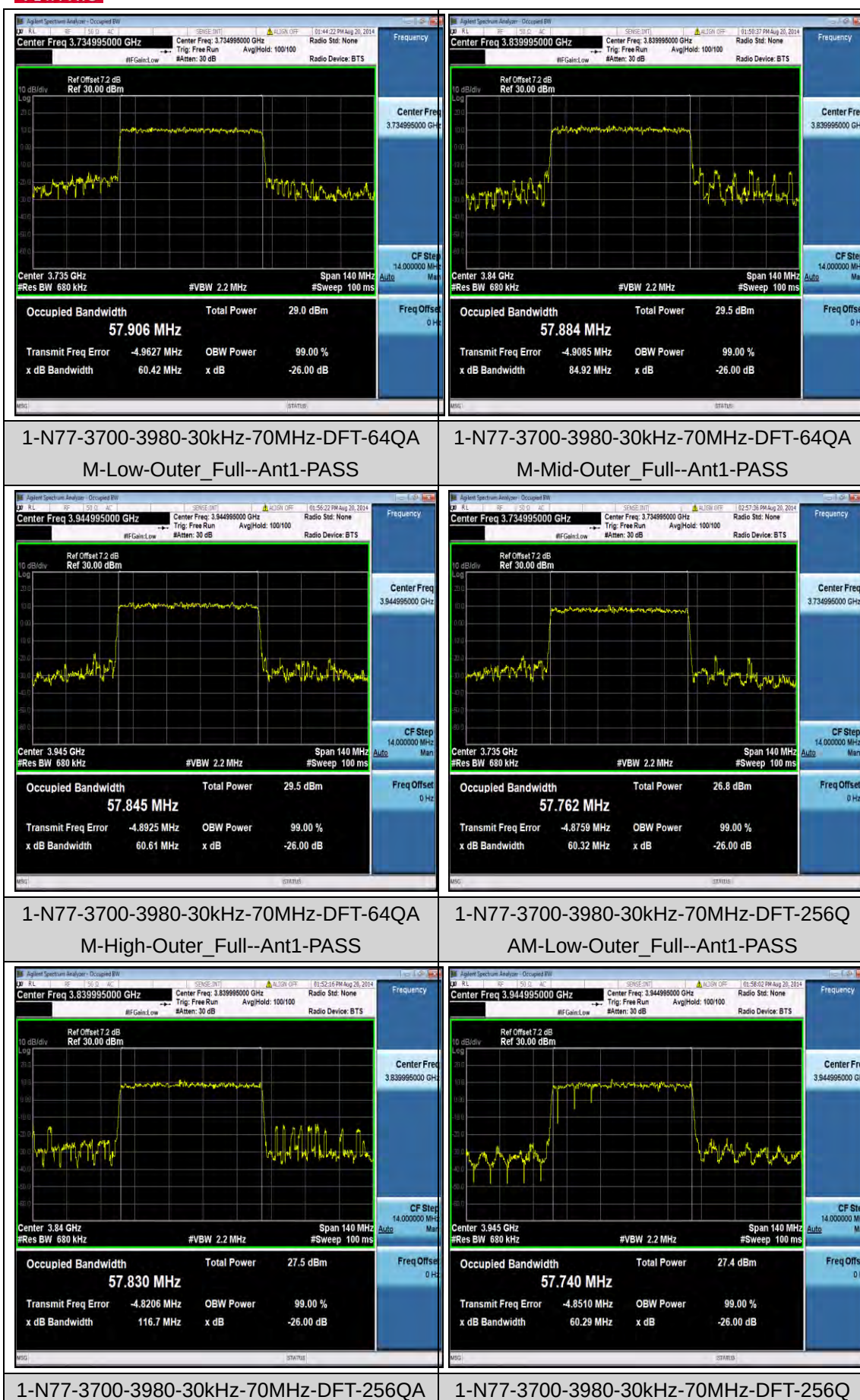
1-N77-3700-3980-30kHz-70MHz-DFT-16QA
M-Mid-Outer_Full--Ant1-PASS

1-N77-3700-3980-30kHz-70MHz-DFT-16QA
M-High-Outer_Full--Ant1-PASS



BUREAU
VERITAS

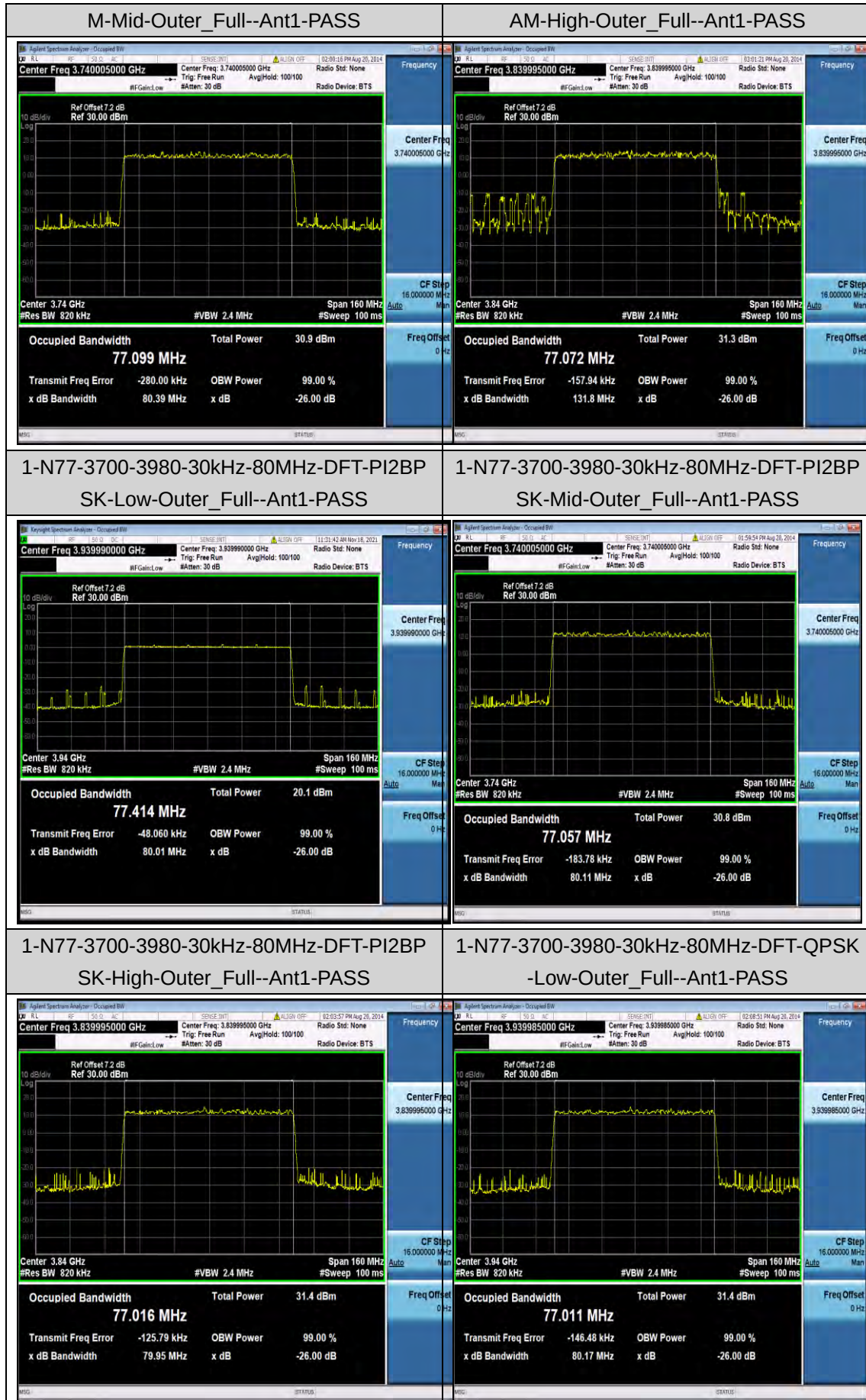
Test Report No.: W7L-P20210616-3RF06



BV 7Layers Communications
Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan
Avenue, North Area, Hi-Tech Industrial Park, Nanshan
District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com





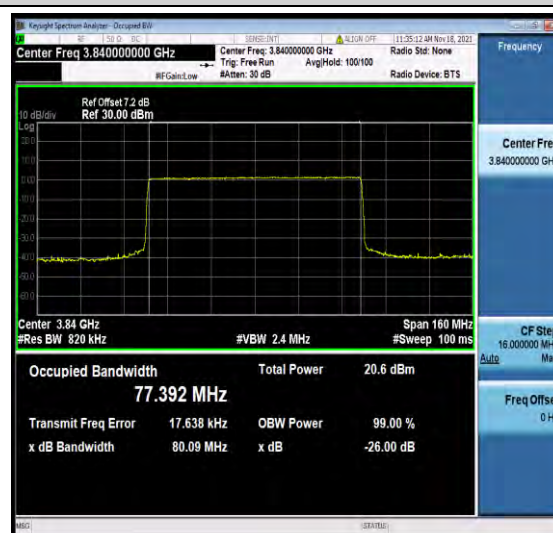
BUREAU
VERITAS

Test Report No.: W7L-P20210616-3RF06

1-N77-3700-3980-30kHz-80MHz-DFT-QPSK-
Mid-Outer_Full--Ant1-PASS



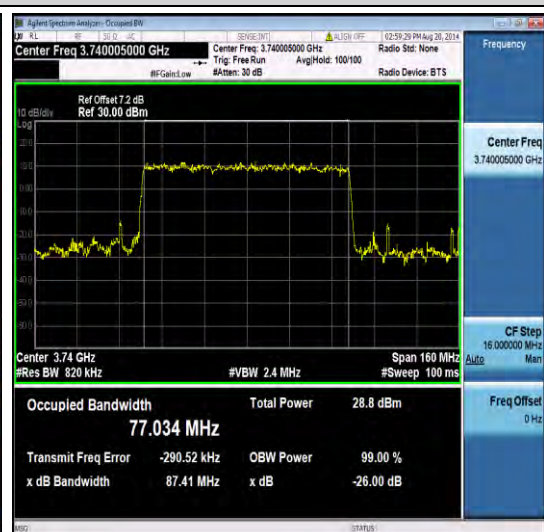
1-N77-3700-3980-30kHz-80MHz-DFT-QPSK
-High-Outer_Full--Ant1-PASS



1-N77-3700-3980-30kHz-80MHz-DFT-16QA
M-Low-Outer_Full--Ant1-PASS



1-N77-3700-3980-30kHz-80MHz-DFT-16QA
M-Mid-Outer_Full--Ant1-PASS



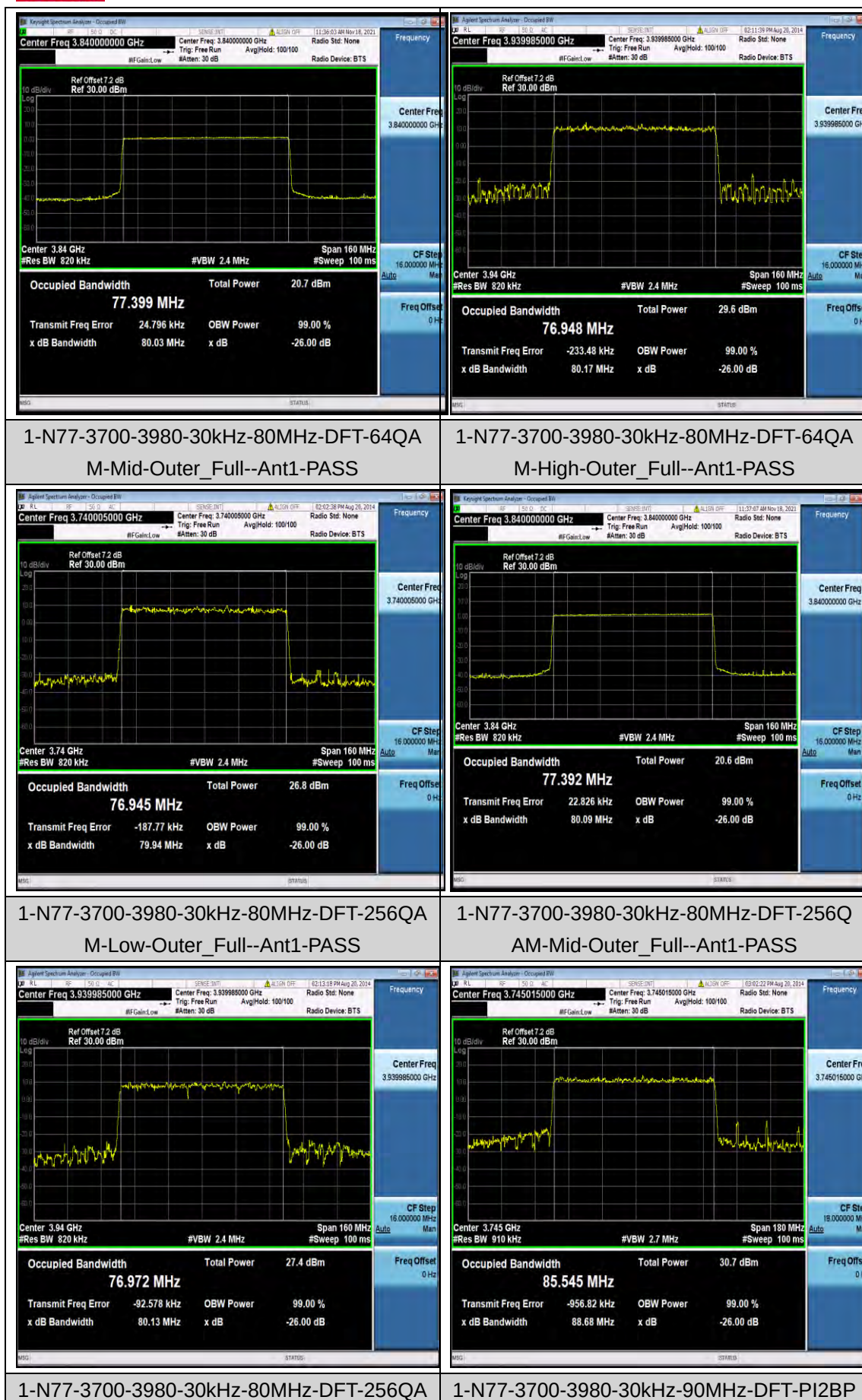
1-N77-3700-3980-30kHz-80MHz-DFT-16QA
M-High-Outer_Full--Ant1-PASS

1-N77-3700-3980-30kHz-80MHz-DFT-64QA
M-Low-Outer_Full--Ant1-PASS



BUREAU
VERITAS

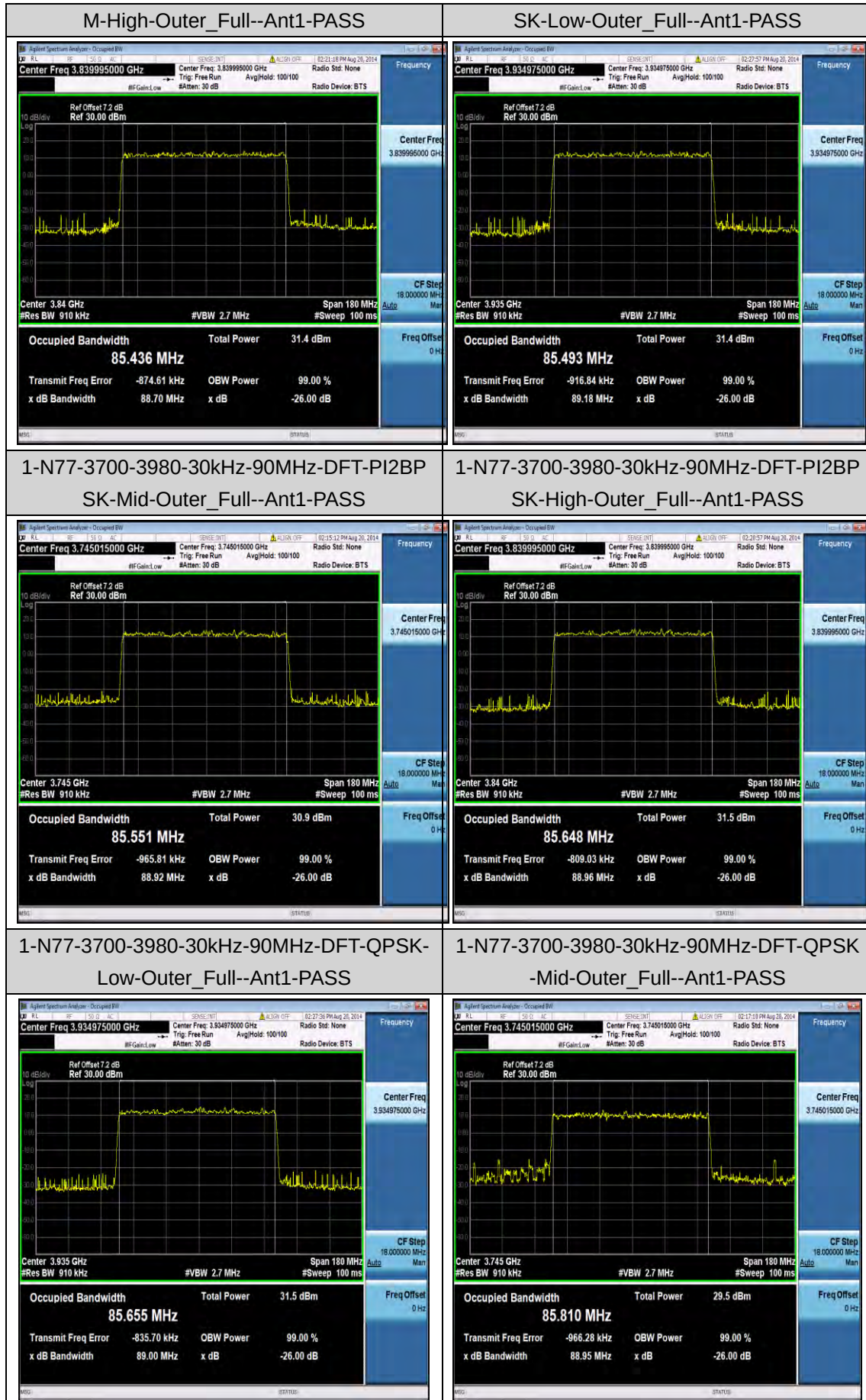
Test Report No.: W7L-P20210616-3RF06



BV 7Layers Communications
Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan
Avenue, North Area, Hi-Tech Industrial Park, Nanshan
District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com





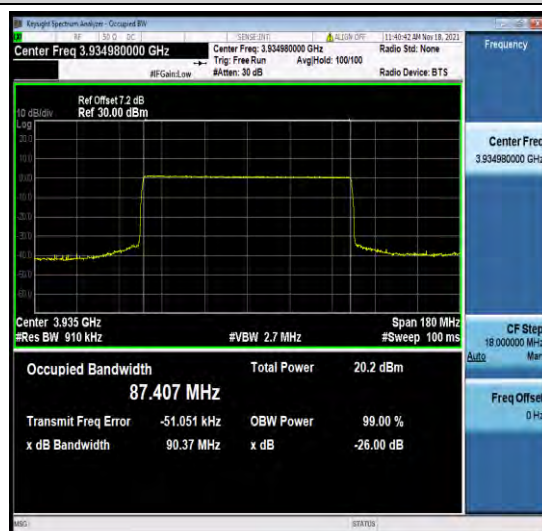
BUREAU
VERITAS

Test Report No.: W7L-P20210616-3RF06

1-N77-3700-3980-30kHz-90MHz-DFT-QPSK-
High-Outer_Full--Ant1-PASS



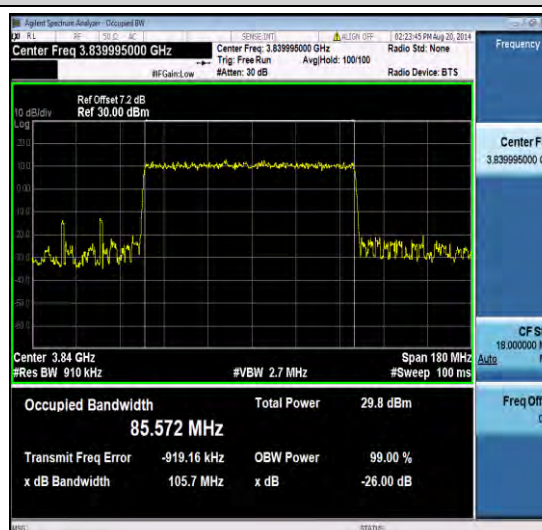
1-N77-3700-3980-30kHz-90MHz-DFT-16QA
M-Low-Outer_Full--Ant1-PASS



1-N77-3700-3980-30kHz-90MHz-DFT-16QA
M-Mid-Outer_Full--Ant1-PASS



1-N77-3700-3980-30kHz-90MHz-DFT-16QA
M-High-Outer_Full--Ant1-PASS



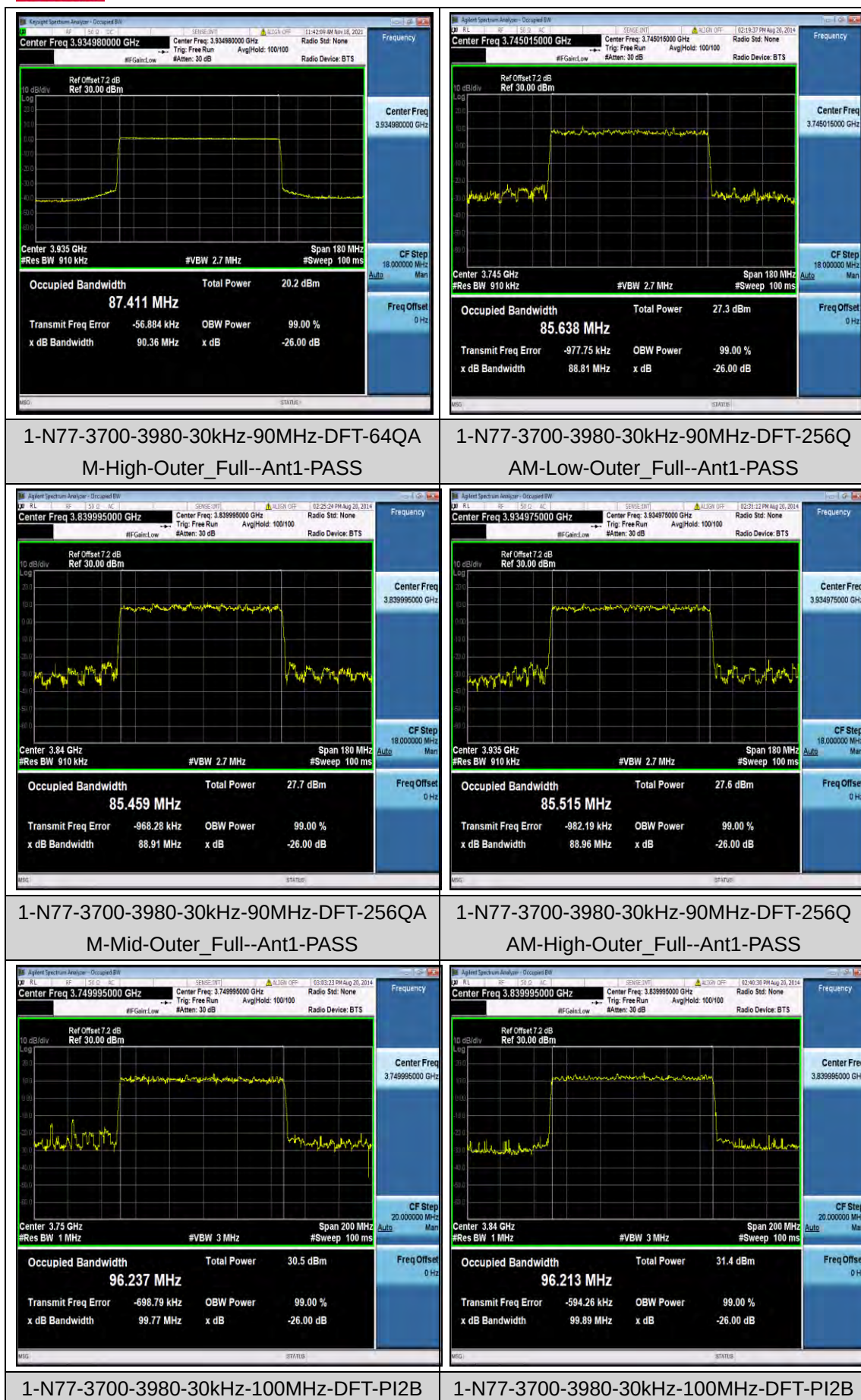
1-N77-3700-3980-30kHz-90MHz-DFT-64QA
M-Low-Outer_Full--Ant1-PASS

1-N77-3700-3980-30kHz-90MHz-DFT-64QA
M-Mid-Outer_Full--Ant1-PASS



BUREAU
VERITAS

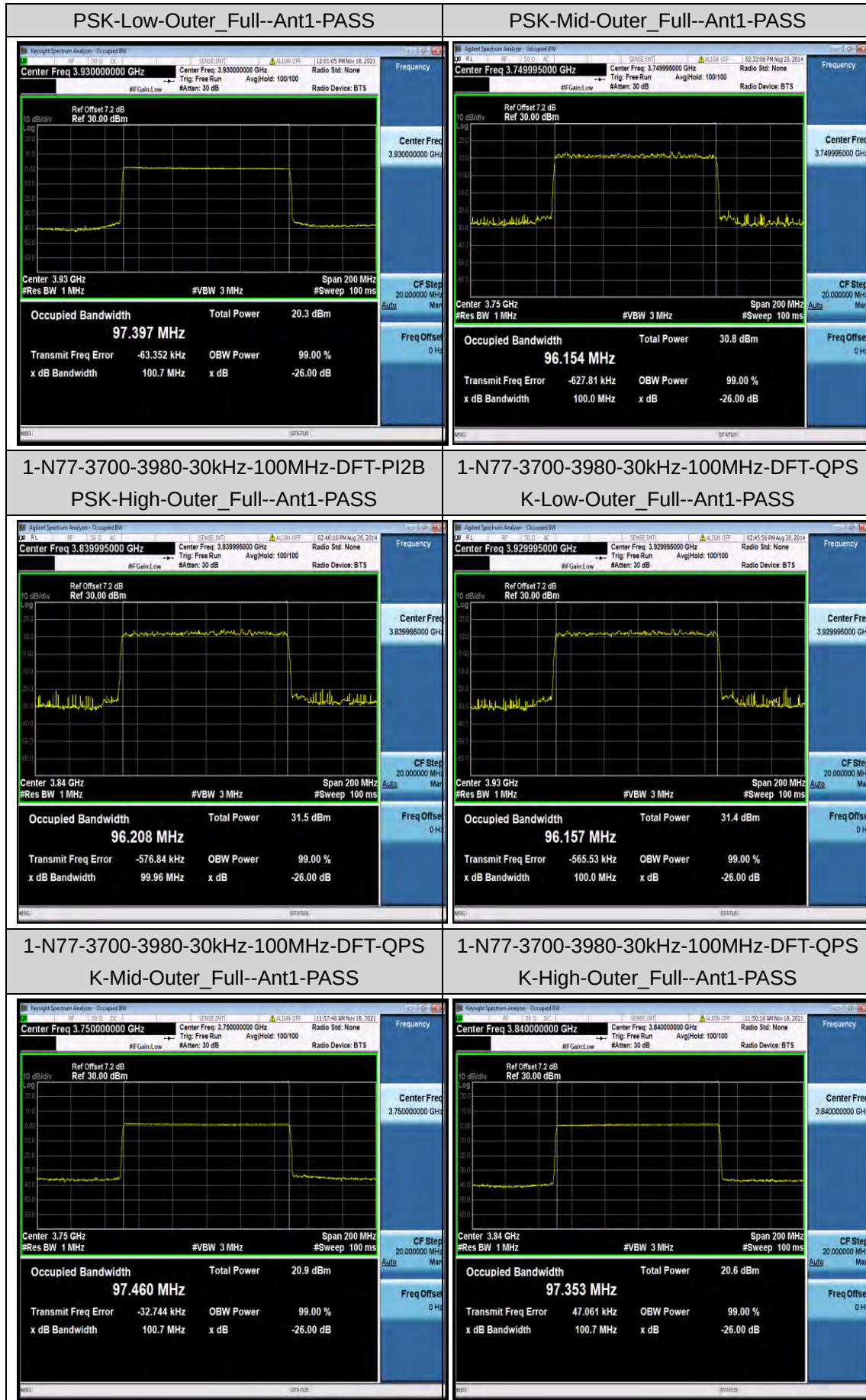
Test Report No.: W7L-P20210616-3RF06



BV 7Layers Communications
Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan
Avenue, North Area, Hi-Tech Industrial Park, Nanshan
District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com





BUREAU
VERITAS

Test Report No.: W7L-P20210616-3RF06





1-N77-3700-3980-30kHz-100MHz-DFT-256Q AM-Low-Outer_Full--Ant1-PASS	1-N77-3700-3980-30kHz-100MHz-DFT-256Q AM-Mid-Outer_Full--Ant1-PASS
Center Freq 3.929995000 GHz Span 200 MHz Res BW 1 MHz Occupied Bandwidth 96.175 MHz Total Power 28.1 dBm Transmit Freq Error -497.42 kHz x dB Bandwidth 100.0 MHz OBW Power 99.00 % x dB -26.00 dB	
1-N77-3700-3980-30kHz-100MHz-DFT-256Q AM-High-Outer_Full--Ant1-PASS	

3. Band Edge for SA

3.1 N41

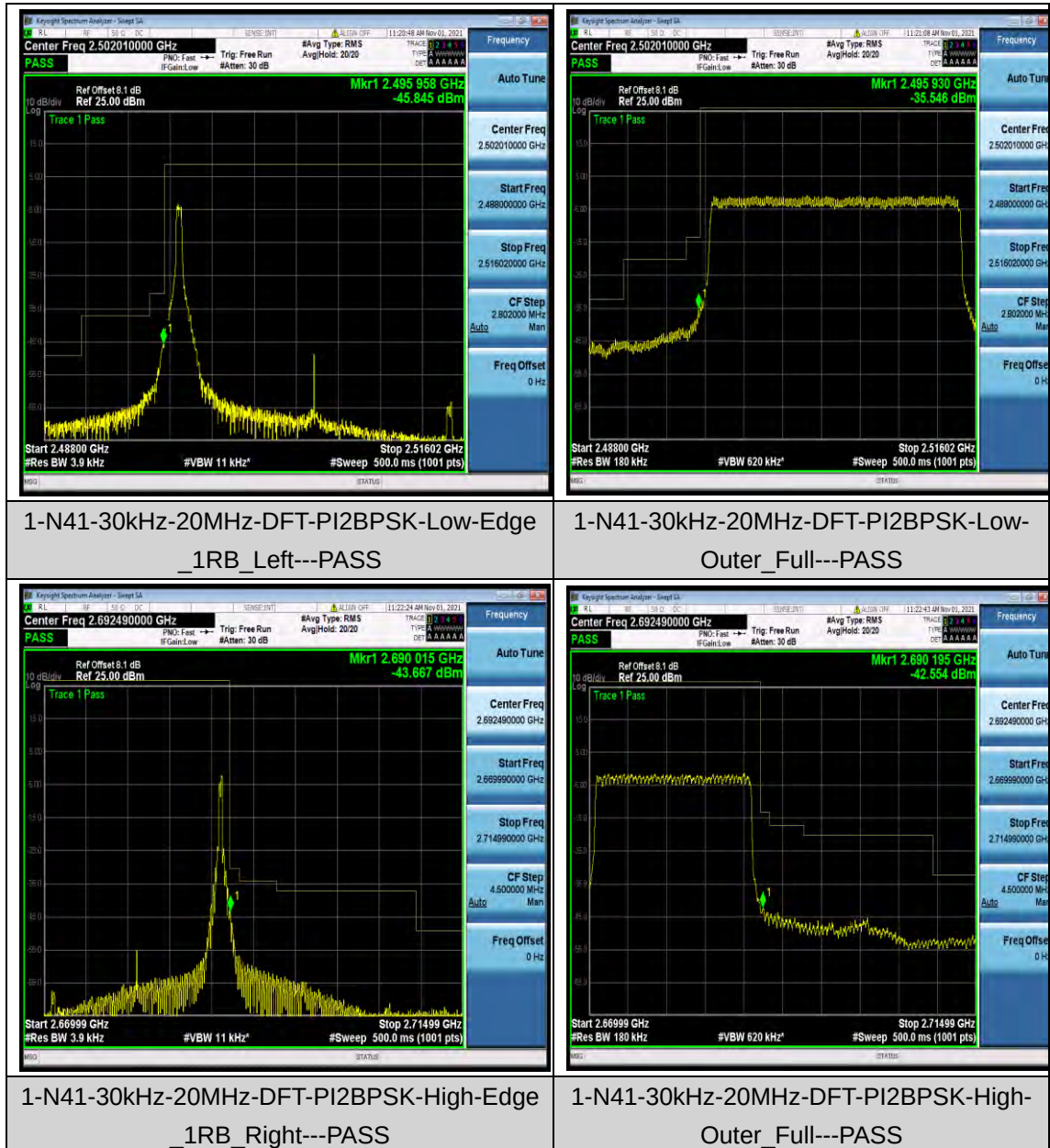
3.1.1 Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N41	30kHz	20MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N41	30kHz	20MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N41	30kHz	20MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N41	30kHz	20MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS
N41	30kHz	30MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N41	30kHz	30MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N41	30kHz	30MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N41	30kHz	30MHz	DFT-PI2BP	High	Outer_Full	see	see	PASS

			SK			graph	graph	
N41	30kHz	40MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N41	30kHz	40MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N41	30kHz	40MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N41	30kHz	40MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS
N41	30kHz	50MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N41	30kHz	50MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N41	30kHz	50MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N41	30kHz	50MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS
N41	30kHz	60MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N41	30kHz	60MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N41	30kHz	60MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N41	30kHz	60MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS
N41	30kHz	80MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N41	30kHz	80MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N41	30kHz	80MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N41	30kHz	80MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS
N41	30kHz	90MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N41	30kHz	90MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N41	30kHz	90MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N41	30kHz	90MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS
N41	30kHz	100MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS

N41	30kHz	100MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N41	30kHz	100MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N41	30kHz	100MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS

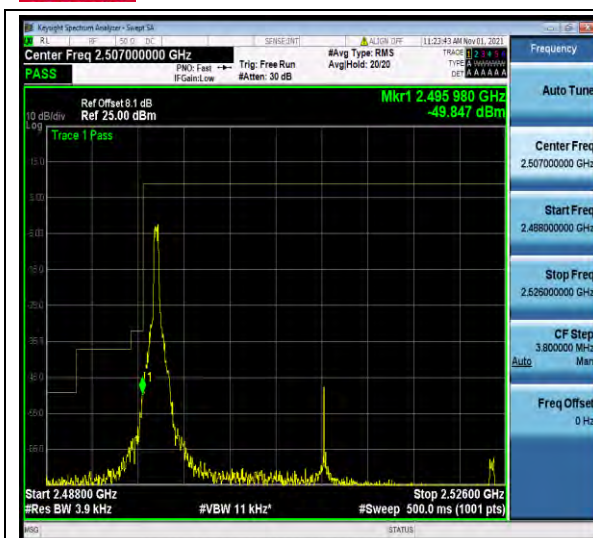
3.1.1 Test Graphs



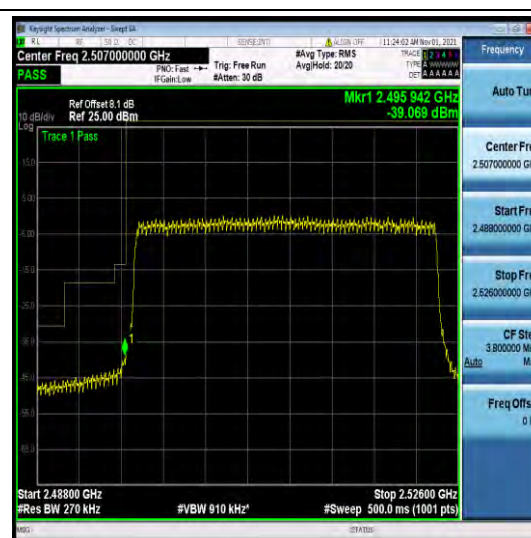


BUREAU
VERITAS

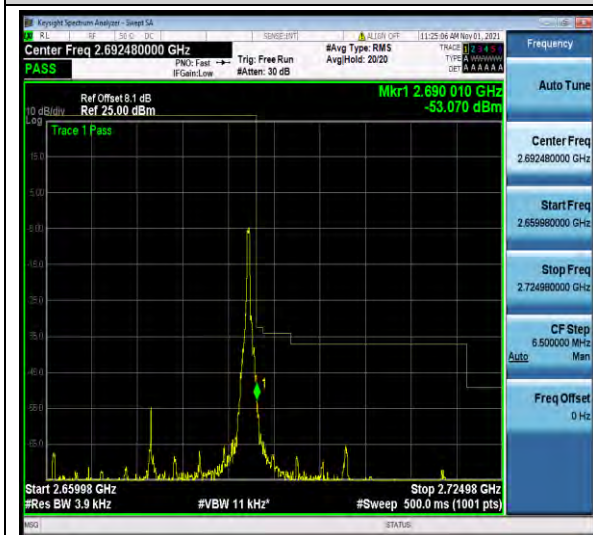
Test Report No.: W7L-P20210616-3RF06



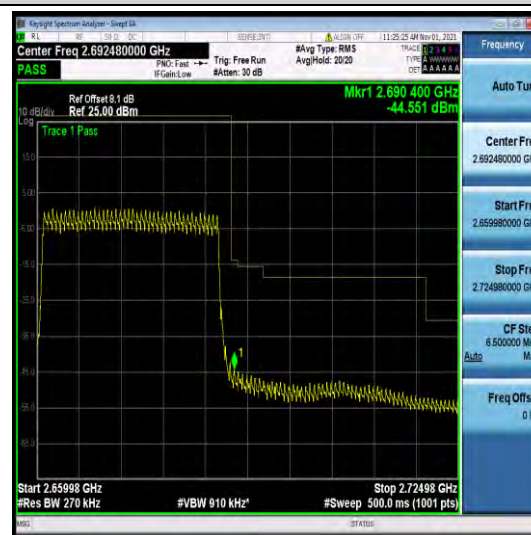
1-N41-30kHz-30MHz-DFT-PI2BPSK-Low-Edge_1RB_Left---PASS



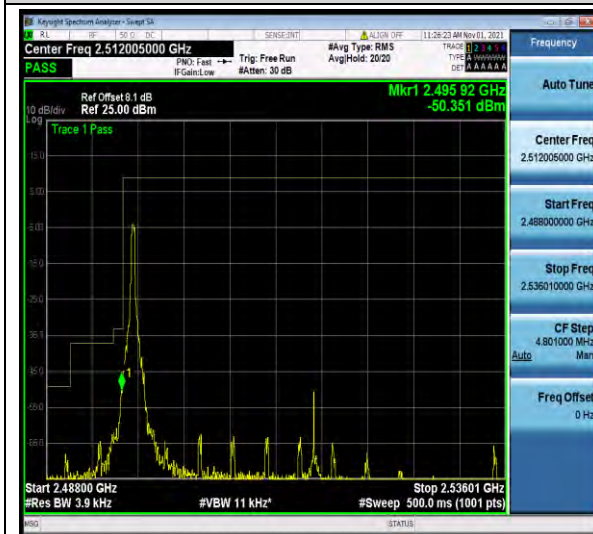
1-N41-30kHz-30MHz-DFT-PI2BPSK-Low-Outer_Full---PASS



1-N41-30kHz-30MHz-DFT-PI2BPSK-High-Edge_1RB_Right---PASS



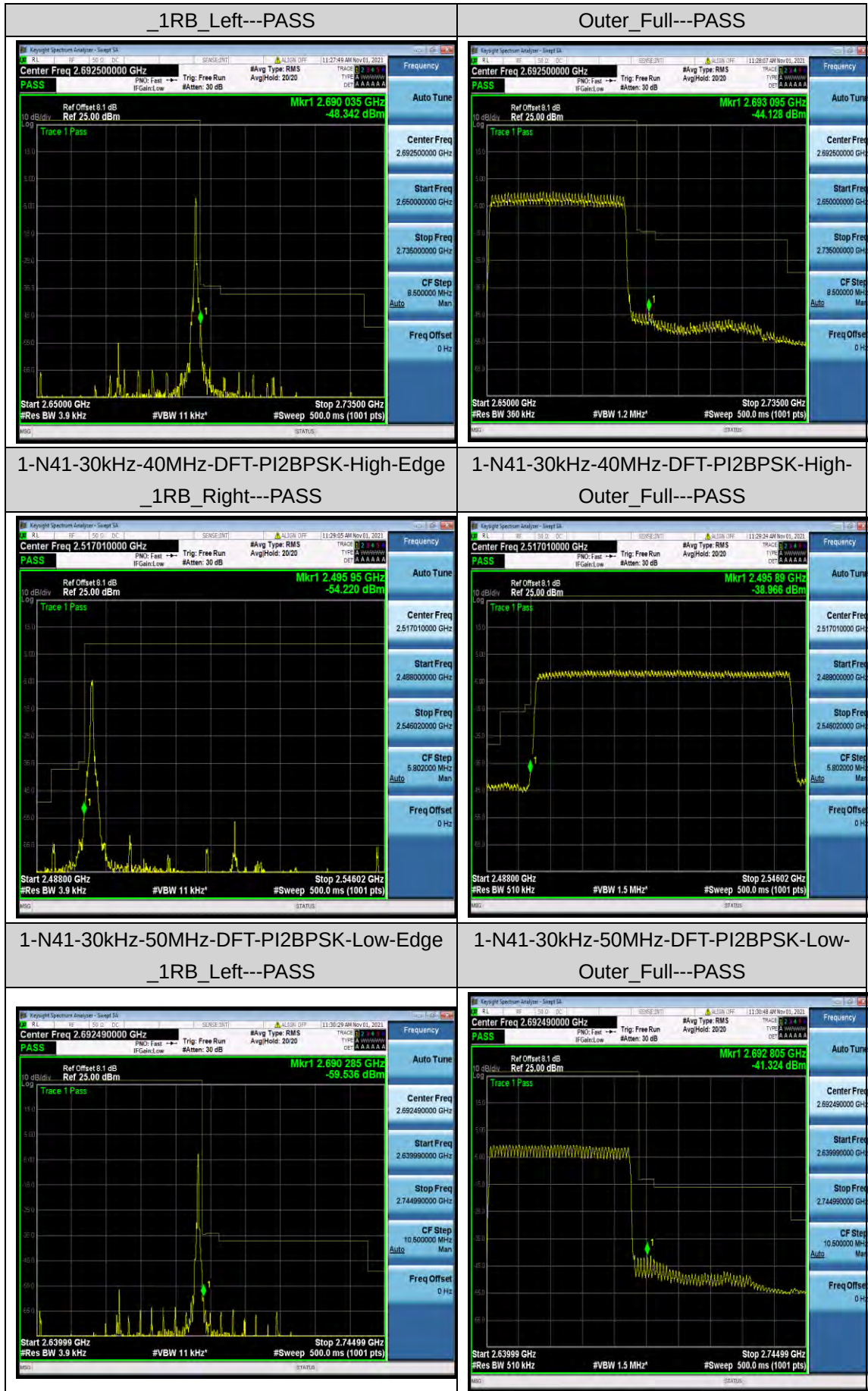
1-N41-30kHz-30MHz-DFT-PI2BPSK-High-Outer_Full---PASS



1-N41-30kHz-40MHz-DFT-PI2BPSK-Low-Edge



1-N41-30kHz-40MHz-DFT-PI2BPSK-Low-





BUREAU
VERITAS

Test Report No.: W7L-P20210616-3RF06

1-N41-30kHz-50MHz-DFT-PI2BPSK-High-Edge
_1RB_Right---PASS



1-N41-30kHz-50MHz-DFT-PI2BPSK-High-
Outer_Full---PASS



1-N41-30kHz-60MHz-DFT-PI2BPSK-Low-Edge
_1RB_Left---PASS



1-N41-30kHz-60MHz-DFT-PI2BPSK-Low-
Outer_Full---PASS



1-N41-30kHz-60MHz-DFT-PI2BPSK-High-Edge
_1RB_Right---PASS

1-N41-30kHz-60MHz-DFT-PI2BPSK-High-
Outer_Full---PASS

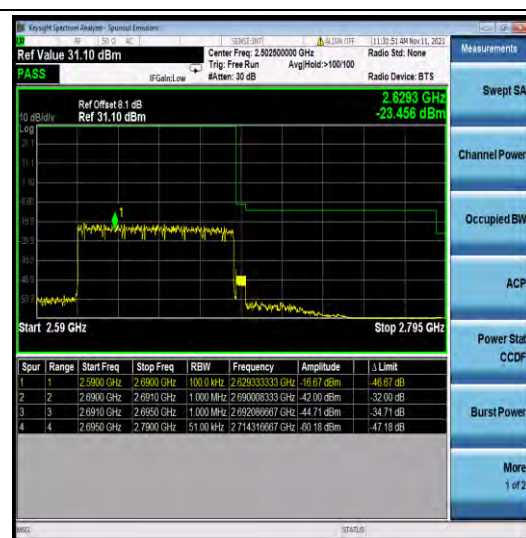


BUREAU
VERITAS

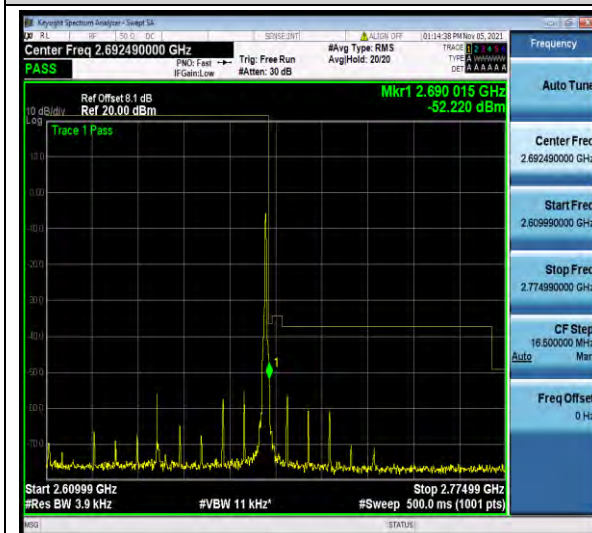
Test Report No.: W7L-P20210616-3RF06



1-N41-30kHz-80MHz-DFT-PI2BPSK-Low-Edge
_1RB_Left---PASS



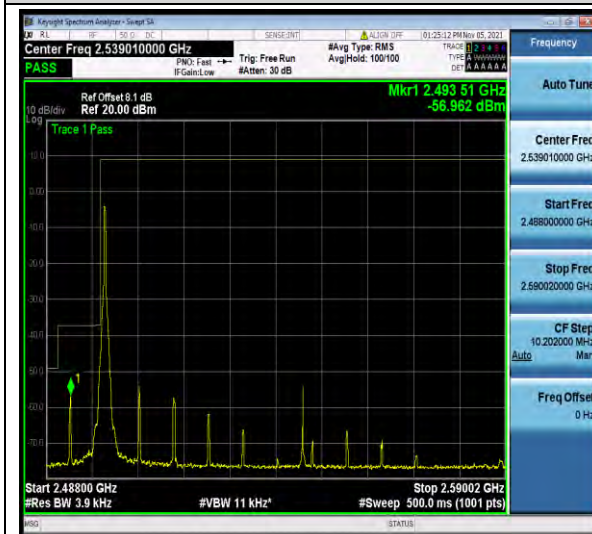
1-N41-30kHz-80MHz-DFT-PI2BPSK-Low-Outer_Full---PASS



1-N41-30kHz-80MHz-DFT-PI2BPSK-High-Edge
_1RB_Right---PASS



1-N41-30kHz-80MHz-DFT-PI2BPSK-High-Outer_Full---PASS



1-N41-30kHz-90MHz-DFT-PI2BPSK-Low-Edge

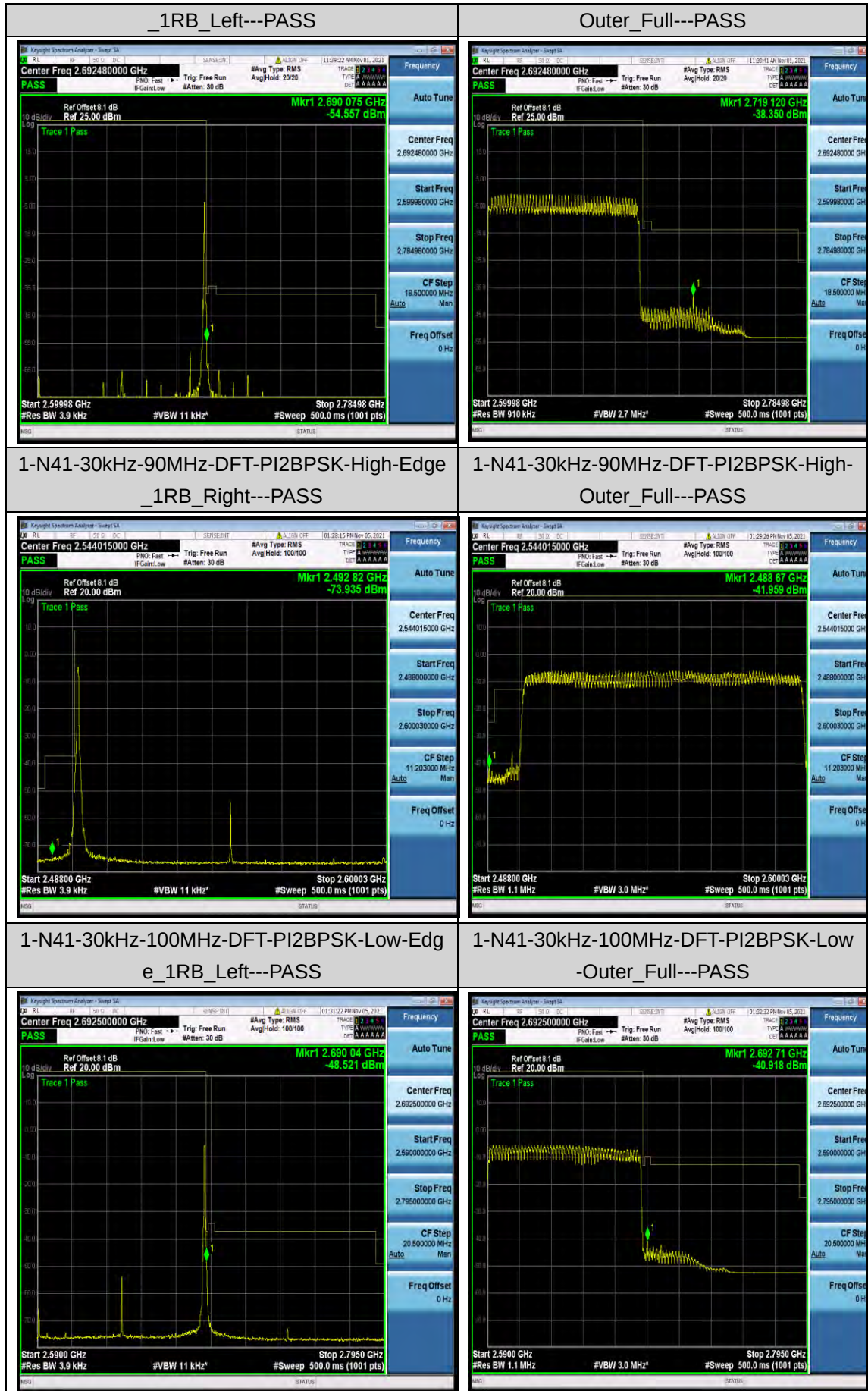


1-N41-30kHz-90MHz-DFT-PI2BPSK-Low-

BV 7Layers Communications
Technology (Shenzhen) Co. Ltd

No.B102, Dazu Chuangxin Mansion, North of Beihuan
Avenue, North Area, Hi-Tech Industrial Park, Nanshan
District, Shenzhen, Guangdong, China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email: customerservice.sw@bureauveritas.com





**BUREAU
VERITAS**

Test Report No.: W7L-P20210616-3RF06

1-N41-30kHz-100MHz-DFT-PI2BPSK-High-Edg e_1RB_Right---PASS	1-N41-30kHz-100MHz-DFT-PI2BPSK-High -Outer_Full---PASS
---	---

3.2 N66

3.2.1 Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Limit	Verdict
N66	15kHz	5MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N66	15kHz	5MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N66	15kHz	5MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N66	15kHz	5MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS
N66	15kHz	10MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N66	15kHz	10MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N66	15kHz	10MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N66	15kHz	10MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS
N66	15kHz	15MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N66	15kHz	15MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N66	15kHz	15MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N66	15kHz	15MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS
N66	15kHz	20MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N66	15kHz	20MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N66	15kHz	20MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS
N66	15kHz	20MHz	DFT-PI2BP SK	High	Outer_Full	see graph	see graph	PASS
N66	15kHz	30MHz	DFT-PI2BP SK	Low	Edge_1RB_Le ft	see graph	see graph	PASS
N66	15kHz	30MHz	DFT-PI2BP SK	Low	Outer_Full	see graph	see graph	PASS
N66	15kHz	30MHz	DFT-PI2BP SK	High	Edge_1RB_Ri ght	see graph	see graph	PASS