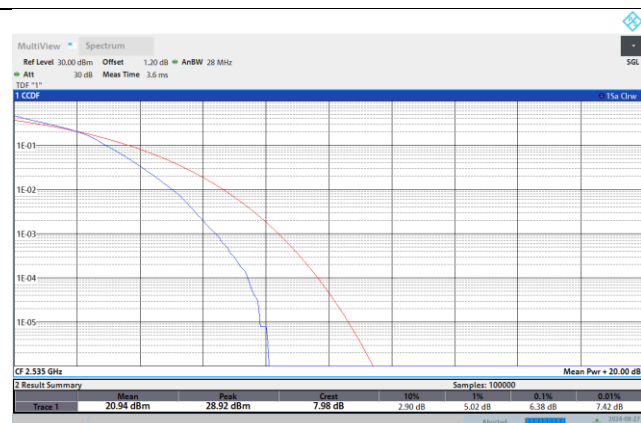
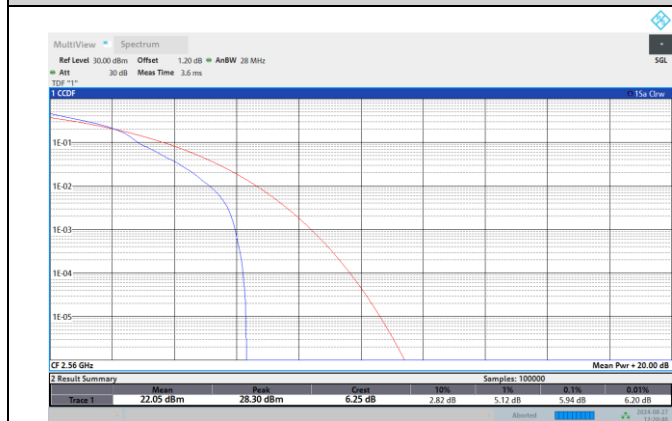




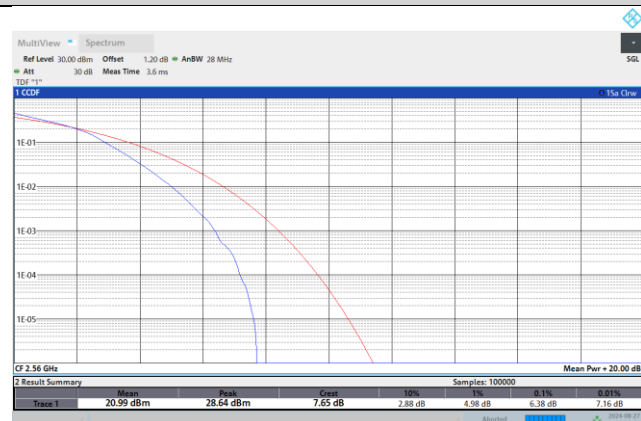
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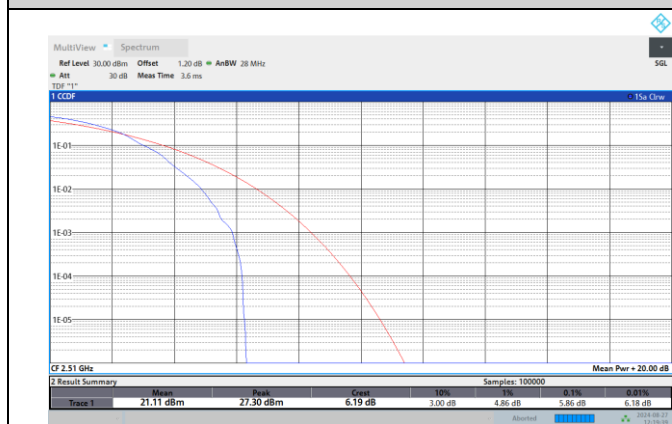
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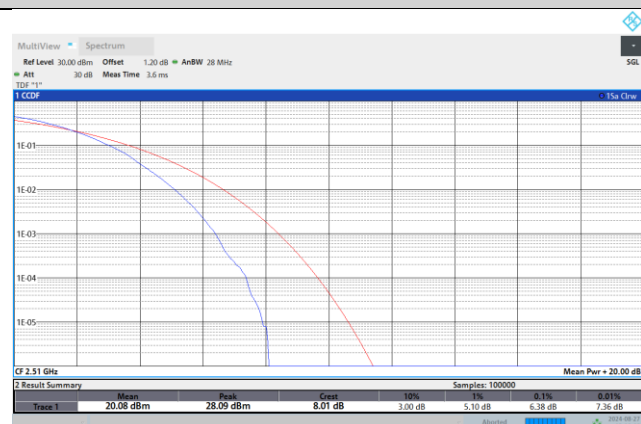
Band7-20MHz-64QAM-20850-1RB#0



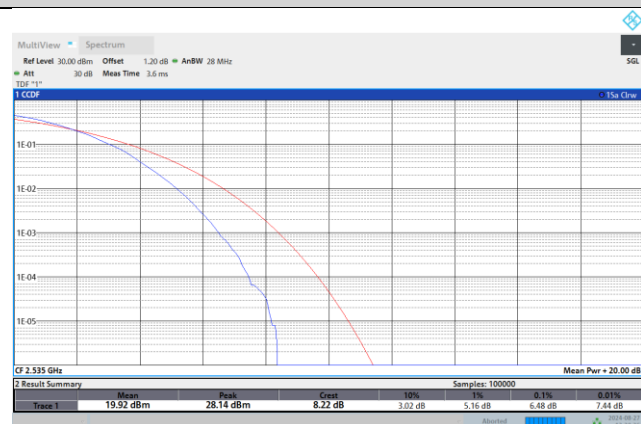
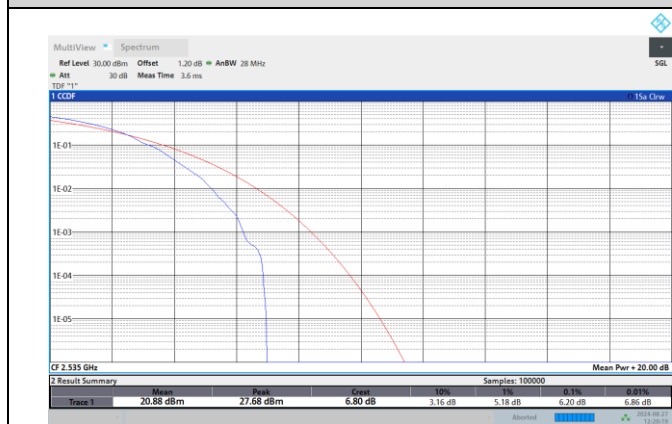
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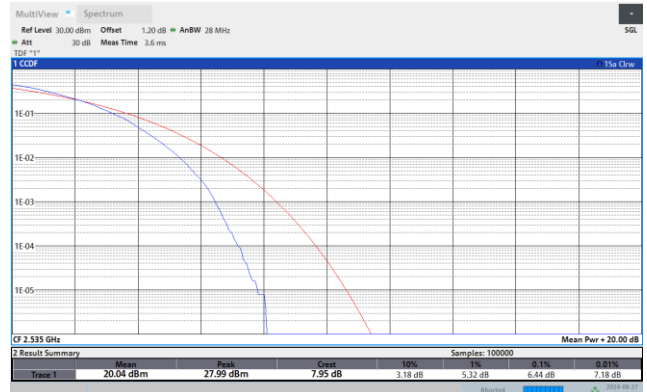
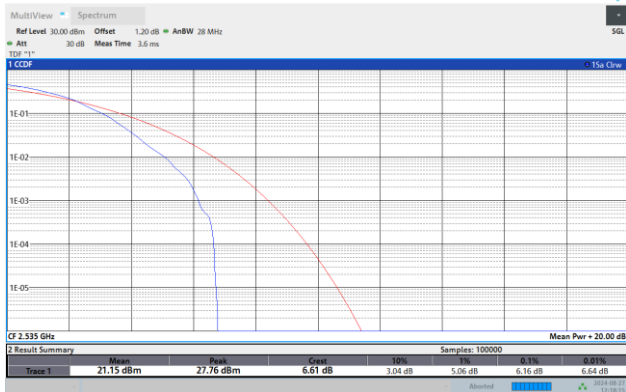
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Band7-20MHz-64QAM-21350-1RB#0

Band7-20MHz-64QAM-21350-100RB#0





26DB BANDWIDTH AND OCCUPIED BANDWIDTH

Test Result

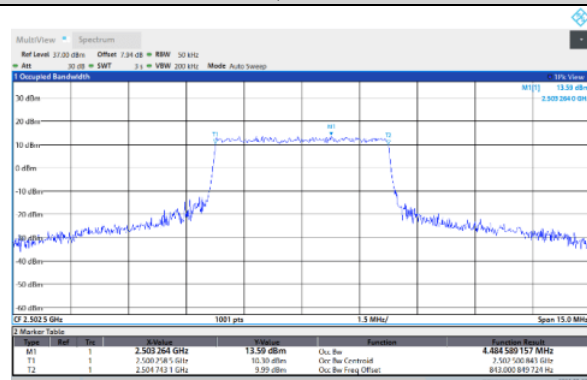
Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band7	5MHz	QPSK	20775	25RB#0	4.485	4.86	PASS
Band7	5MHz	QPSK	21100	25RB#0	4.481	4.83	PASS
Band7	5MHz	QPSK	21425	25RB#0	4.482	4.79	PASS
Band7	5MHz	16QAM	20775	25RB#0	4.478	4.79	PASS
Band7	5MHz	16QAM	21100	25RB#0	4.474	4.83	PASS
Band7	5MHz	16QAM	21425	25RB#0	4.482	4.87	PASS
Band7	5MHz	64QAM	20775	25RB#0	4.472	4.87	PASS
Band7	5MHz	64QAM	21100	25RB#0	4.471	4.87	PASS
Band7	5MHz	64QAM	21425	25RB#0	4.475	4.81	PASS
Band7	10MHz	QPSK	20800	50RB#0	8.954	9.65	PASS
Band7	10MHz	QPSK	21100	50RB#0	8.948	9.56	PASS
Band7	10MHz	QPSK	21400	50RB#0	8.946	9.59	PASS
Band7	10MHz	16QAM	20800	50RB#0	8.943	9.53	PASS
Band7	10MHz	16QAM	21100	50RB#0	8.956	9.59	PASS
Band7	10MHz	16QAM	21400	50RB#0	8.951	9.59	PASS
Band7	10MHz	64QAM	20800	50RB#0	8.949	9.56	PASS
Band7	10MHz	64QAM	21100	50RB#0	8.941	9.59	PASS
Band7	10MHz	64QAM	21400	50RB#0	8.951	9.59	PASS
Band7	15MHz	QPSK	20825	75RB#0	13.460	14.56	PASS
Band7	15MHz	QPSK	21100	75RB#0	13.425	14.48	PASS
Band7	15MHz	QPSK	21375	75RB#0	13.432	14.48	PASS
Band7	15MHz	16QAM	20825	75RB#0	13.435	14.48	PASS
Band7	15MHz	16QAM	21100	75RB#0	13.443	14.48	PASS
Band7	15MHz	16QAM	21375	75RB#0	13.444	14.43	PASS
Band7	15MHz	64QAM	20825	75RB#0	13.404	14.48	PASS
Band7	15MHz	64QAM	21100	75RB#0	13.436	14.48	PASS
Band7	15MHz	64QAM	21375	75RB#0	13.466	14.39	PASS
Band7	20MHz	QPSK	20850	100RB#0	17.899	18.94	PASS
Band7	20MHz	QPSK	21100	100RB#0	17.868	19.06	PASS
Band7	20MHz	QPSK	21350	100RB#0	17.900	19.12	PASS
Band7	20MHz	16QAM	20850	100RB#0	17.907	19.12	PASS
Band7	20MHz	16QAM	21100	100RB#0	17.885	19.12	PASS
Band7	20MHz	16QAM	21350	100RB#0	17.881	19.12	PASS
Band7	20MHz	64QAM	20850	100RB#0	17.888	19.06	PASS
Band7	20MHz	64QAM	21100	100RB#0	17.896	19.12	PASS
Band7	20MHz	64QAM	21350	100RB#0	17.872	19.00	PASS



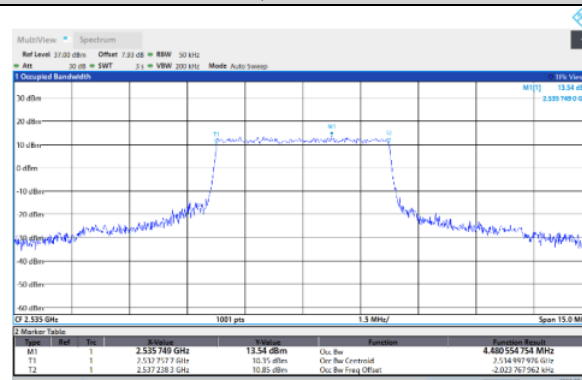
Test Graphs

Occupied Bandwidth

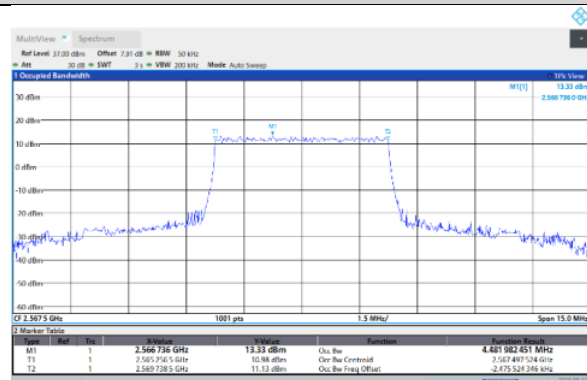
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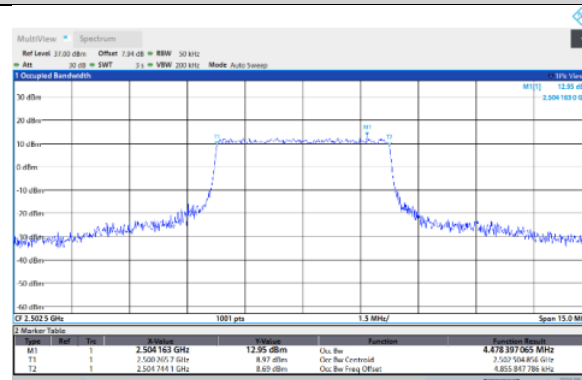
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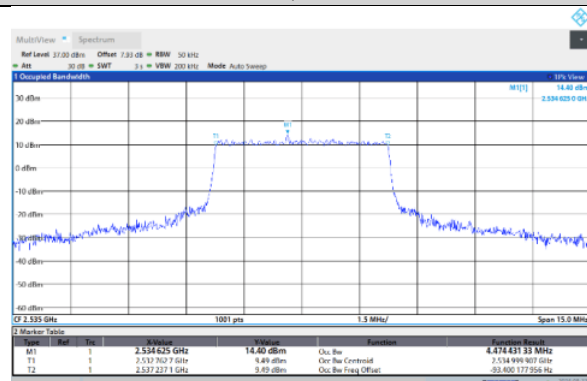
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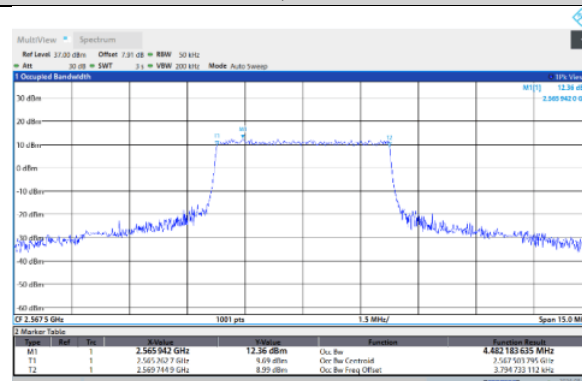
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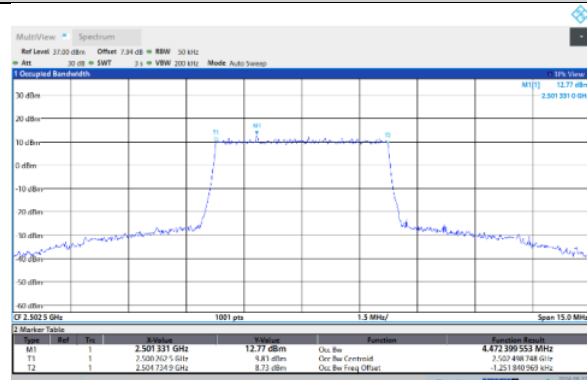
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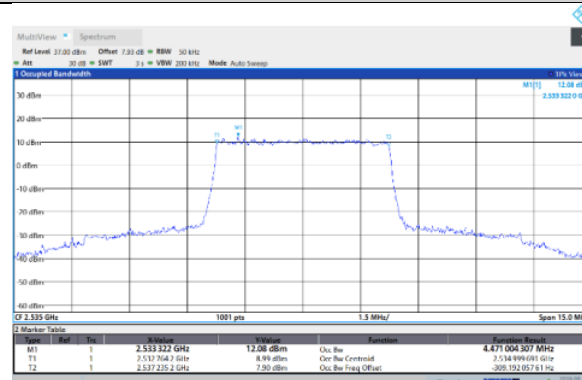
Band7-5MHz-16QAM-21425-25RB#0



Band7-5MHz-64QAM-20775-25RB#0



Band7-5MHz-64QAM-21100-25RB#0



Band7-5MHz-64QAM-21425-25RB#0

Band7-10MHz-QPSK-20800-50RB#0

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

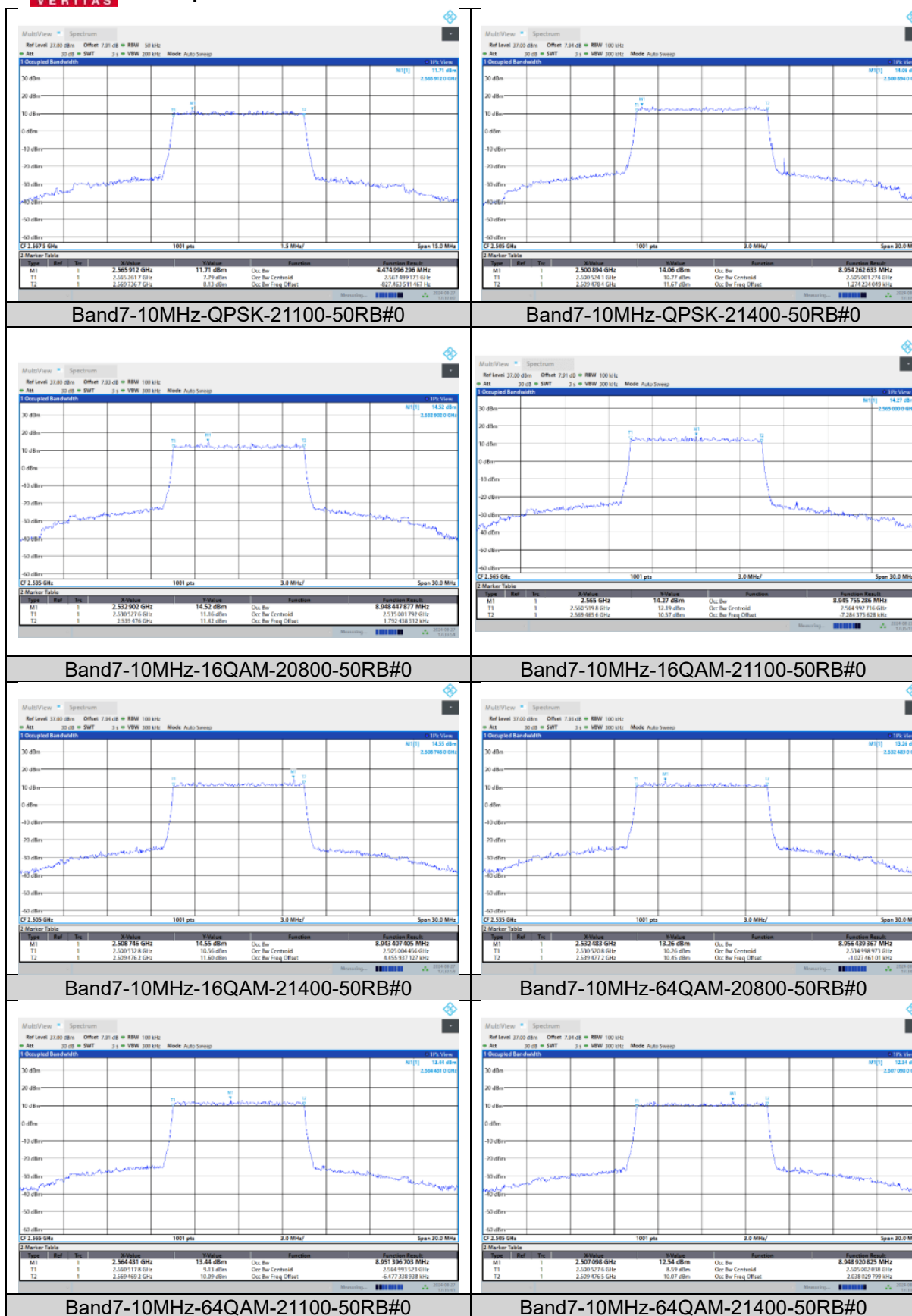
Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
Email:

customerservice.sw@bureauveritas.com



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Test Report No.: PSU-NQN2407300216RF03



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

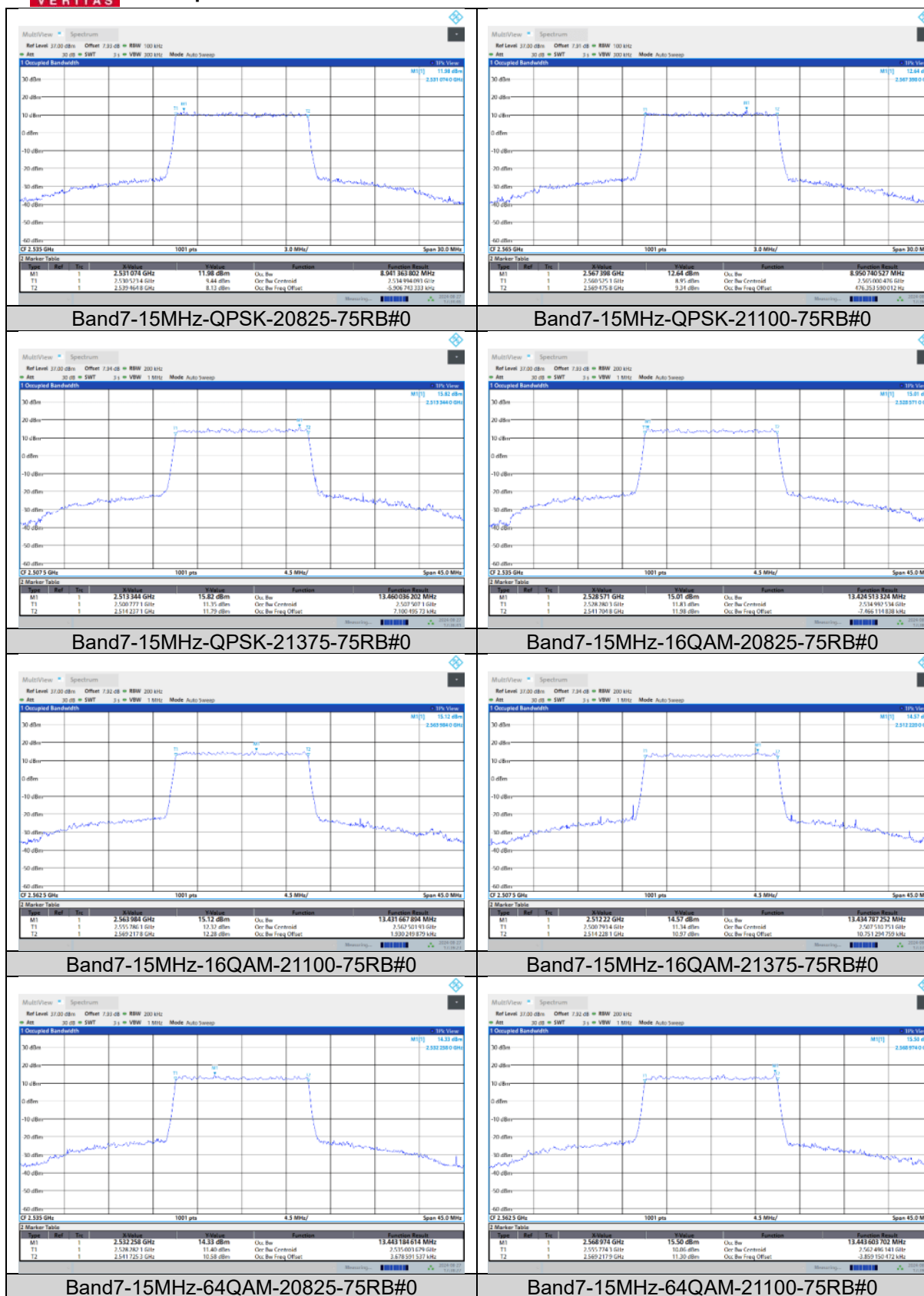
Tel: +86 755 8869 6566
Fax: +86 755 8869 6577
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Test Report No.: PSU-NQN2407300216RF03



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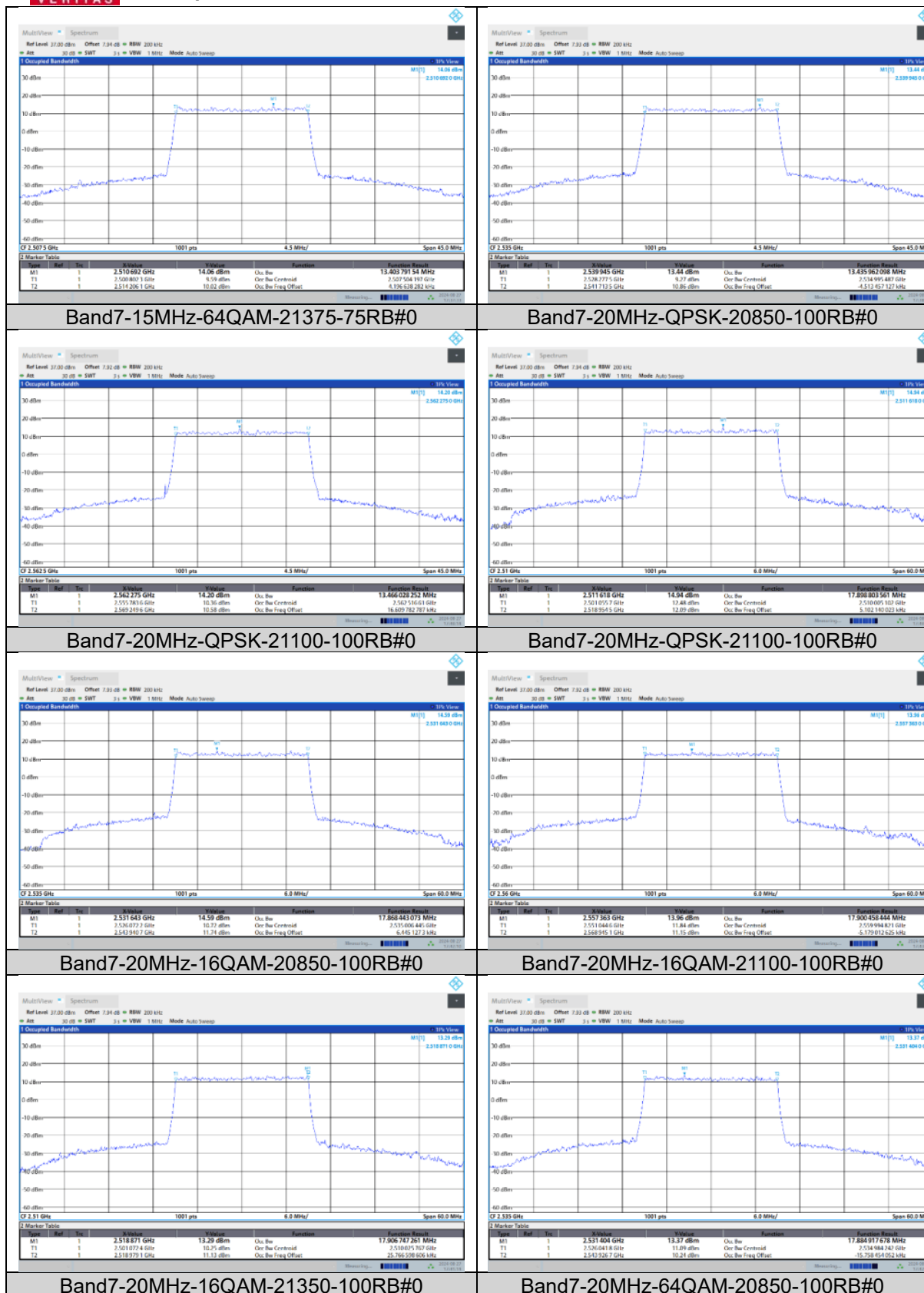
Room B37, Warehouse A5, No.3 Chiwan
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District Shenzhen, Guangdong, People's
Republic of China

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Fax: +86 755 8869 6577
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Test Report No.: PSU-NQN2407300216RF03

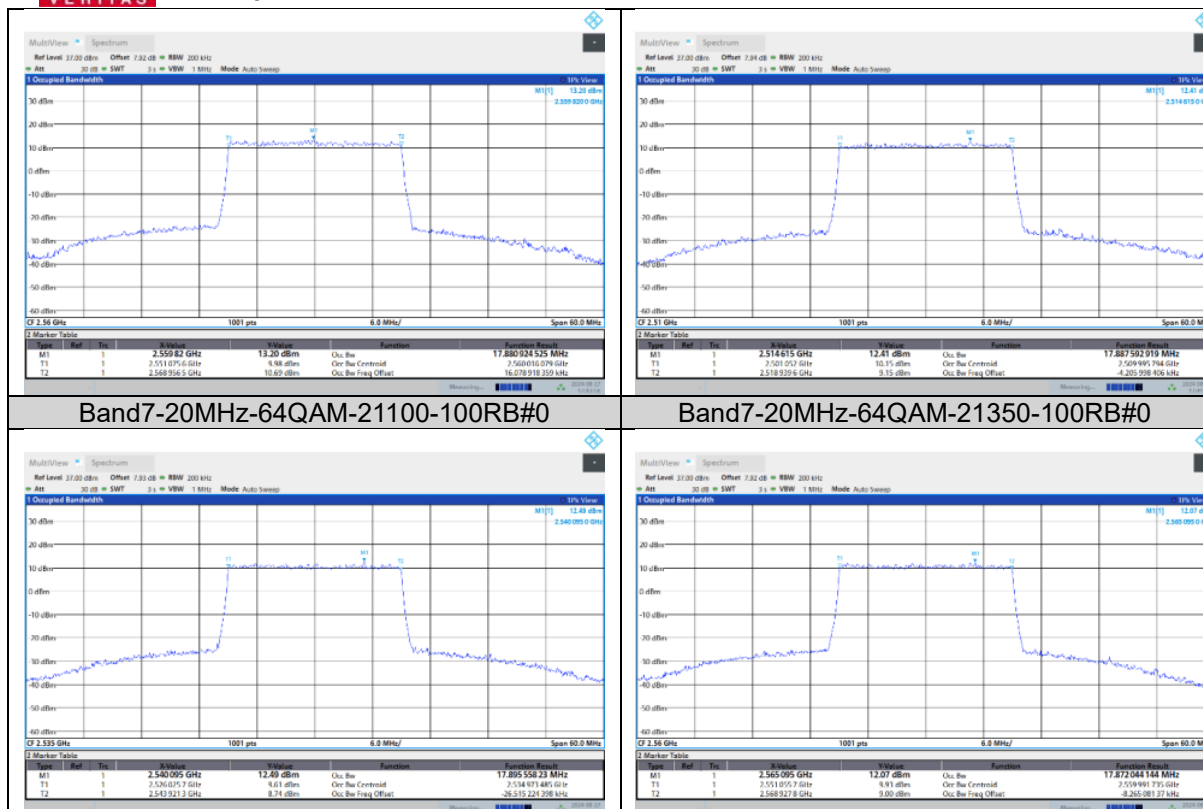


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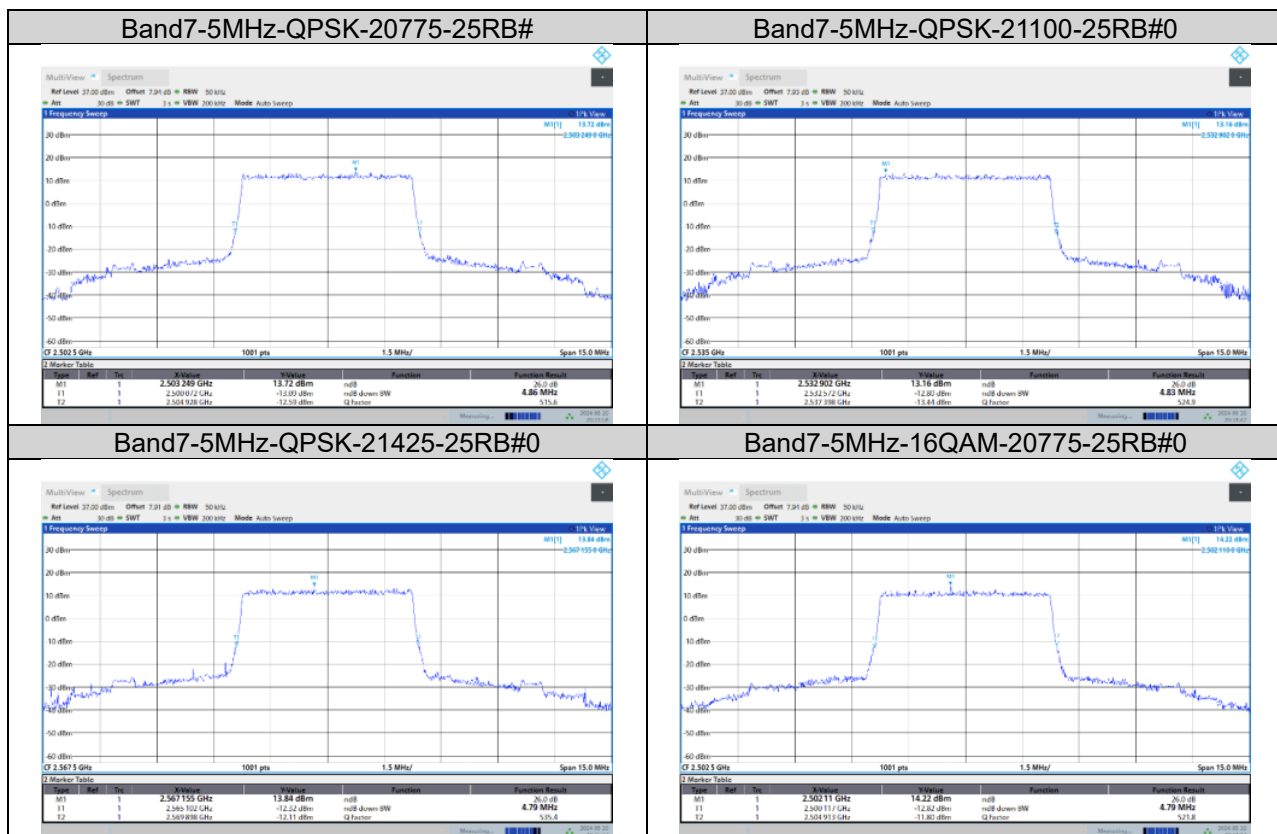
Room B37, Warehouse A5, No.3 Chiwan
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26dB Bandwidth



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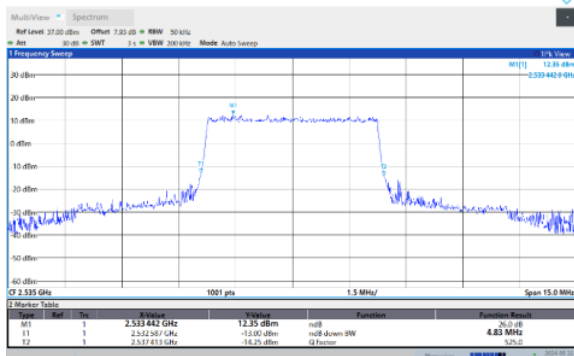
Room B37, Warehouse A5, No.3 Chiwan
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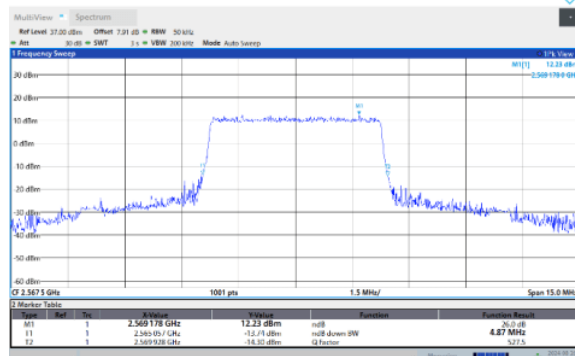
customerservice.sw@bureauveritas.com



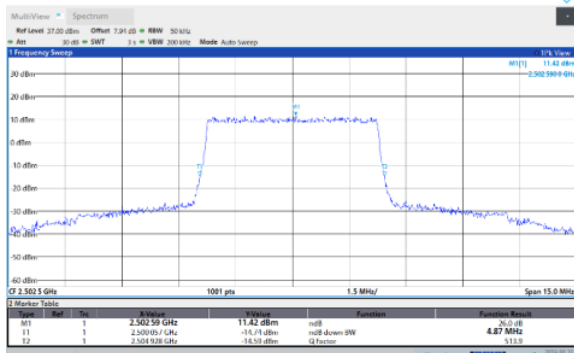
Band7-5MHz-16QAM-21100-25RB#0



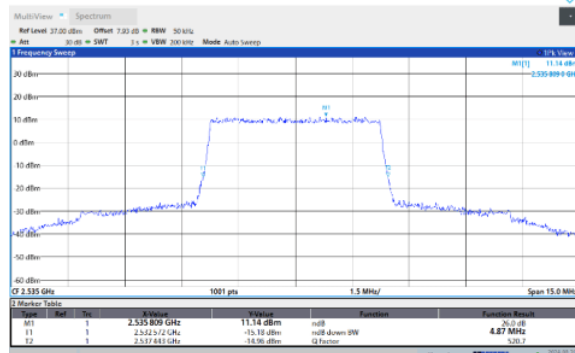
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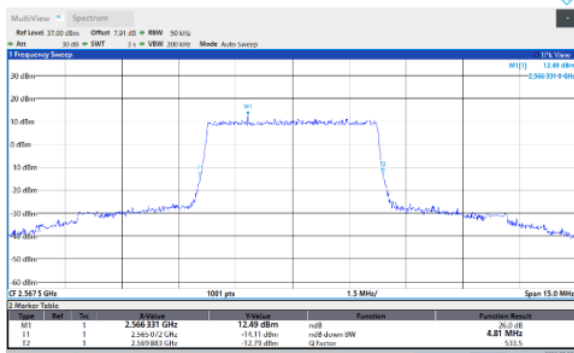
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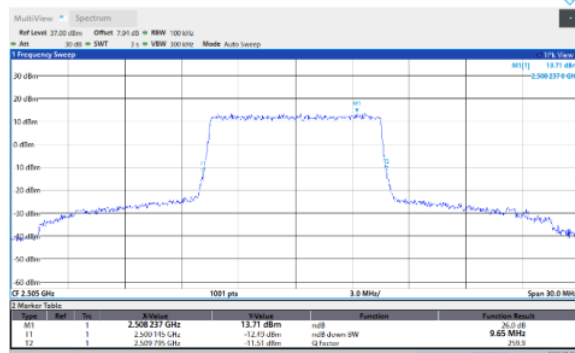
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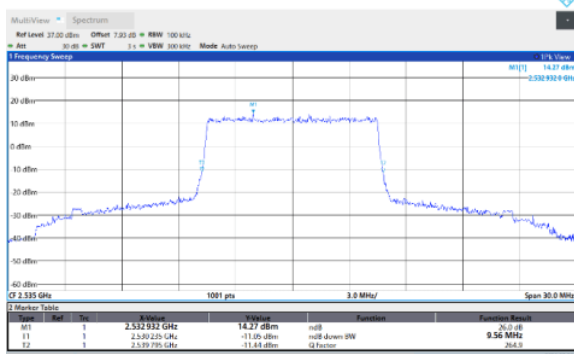
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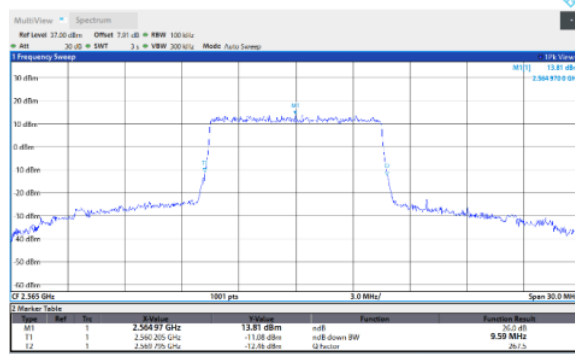
Band7-10MHz-QPSK-20800-50RB#0



Band7-10MHz-QPSK-21100-50RB#0



Band7-10MHz-QPSK-21400-50RB#0



Band7-10MHz-16QAM-20800-50RB#0

Band7-10MHz-16QAM-21100-50RB#0



MultiView Spectrum

Offset: 7.34 dB = 800W 100 kHz
BW = 500 Hz Mode: Auto Sweep

Frequency Sweep

14.38 dBm
0.000 7465 GHz

20 dBm
10 dBm
0 dBm
-10 dBm
-20 dBm
-30 dBm
-40 dBm

0 10 20 30 40 GHz

1001 pts 3.0 MHz/ Span 30.0 MHz

Frequency	Ref	Src	dBm	Power	Function	Function Result
M1	1	2.508 746 GHz	14.38 dBm	ref		26.2 dB
T1	1	2.509 215 GHz	12.17 dBm	ref	down 10W	9.53 dBm
T2	1	2.509 755 GHz	9.53 dBm	Q factor		203.2

MultiView ☐ Spectrum

Ref Level: 27.00 dBm Offset: 7.21 dB = RBW 100 kHz

Att: 0.48 = SWR 2.5 = VSW 100 dB Mode: Auto Sweep

1 Frequency Sweep

20 dBm

0 dBm

10 dBm

0 dBm

10 dBm

20 dBm

30 dBm

40 dBm

50 dBm

1001 pts

0 2.56 GHz

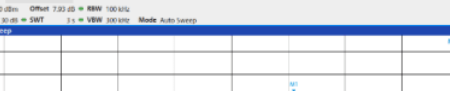
0 2 MHz/

Span 30.0 MHz

Table	Ref	Size	Frequency	Power	Function	Parameter Result
11	1	2,565 24 GHz	12.87 dBm	off	30.0 dB	9.50 MHz
12	1	2,560 175 GHz	-12.20 dBm	roll down BW	Q1	10.1

The screenshot shows a Keysight Spectrum Analyzer interface. The main display is a plot of power spectral density (PSD) versus frequency. The frequency range is from 2.507128 GHz to 2.507129 GHz. The power level is in dBm, ranging from -40 dBm to 0 dBm. A signal is visible with a notch at 2.507128 GHz. The notch is labeled with a value of 10.00 dB. The signal is identified as 'm8'. The plot shows a flat line at approximately -35 dBm, with a sharp dip to -40 dBm at the notch frequency. The signal returns to -35 dBm after the notch. The interface includes various controls for frequency, resolution, and measurement.

Span	Ref	Sec	2.507128 GHz	12.43 dBm	m8	Function	Function Result
T1	1	1	2.500205 GHz	-15.76 dBm	m8	dB down BW	9.56 MHz
S2	1	1	2.500794 GHz	-18.12 dBm	m8	dB down	26.2



MultiView Spectrum

Ref Level: 27.00 dBm Offset: 7.82 dB = RBW 100 kHz

Att: 30.48 = SWR 2.5 = VBW 500 kHz Mode Auto Sweep

Frequency Sweep

2.538 GHz

11.68 dBm

2.538 GHz

2.535 GHz

1001 pts

3.0 MHz/

Span 30.0 MHz

Trace	Ref	Dec	2.538 297 GHz	11.68 dBm	RBW	Function	Function Result
11	1	1	2.530 225 GHz	-15.40 dBm	9.59 MHz	noise shown SW	9.59 MHz
12	1	1	2.539 795 GHz	-15.40 dBm	9.59 MHz	noise shown SW	9.59 MHz

Type	Ref	Sec	Value	Unit	Function	Function Result
T1	1	1	2.585 200 GHz	dBm	m0 dB-down BW	9.59 MHz
T2	1	1	2.590 200 GHz	dBm	m1 Peak	26.7

MultiView Spectrum

Ref Level: 27.00 dBm Offset: 7.00 dB BWBW: 200 kHz

Att: 20 dB SSB 2.0 MHz 1 MHz Mode: Auto Sweep

Frequency Sweep

30 dBm

20 dBm

10 dBm

0 dBm

-10 dBm

-20 dBm

-30 dBm

-40 dBm

0.000 GHz

1.000 GHz

2.000 GHz

3.000 GHz

4.000 GHz

5.000 GHz

6.000 GHz

7.000 GHz

8.000 GHz

9.000 GHz

10.000 GHz

11.000 GHz

12.000 GHz

13.000 GHz

14.000 GHz

15.000 GHz

16.000 GHz

17.000 GHz

18.000 GHz

19.000 GHz

20.000 GHz

21.000 GHz

22.000 GHz

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266.000 GHz

267.000 GHz

268.000 GHz

269.000 GHz

270.000 GHz

271.000 GHz

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276.000 GHz

277.000 GHz

278.000 GHz

279.000 GHz

280.000 GHz

281.000 GHz

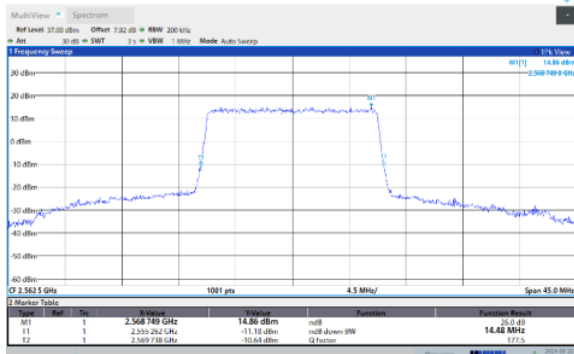
The screenshot displays the Keysight N9000A Spectrum Analyzer interface. The main plot shows a signal with a peak level of 14.93 dBm and a bandwidth of 14.66 MHz. The signal is centered at 2.505594 GHz. The plot is configured with a resolution bandwidth of 3.155 kHz and a video bandwidth of 4.5 MHz. The span is 45.0 MHz. The plot shows a signal with a peak level of 14.93 dBm and a bandwidth of 14.66 MHz. The signal is centered at 2.505594 GHz. The plot is configured with a resolution bandwidth of 3.155 kHz and a video bandwidth of 4.5 MHz. The span is 45.0 MHz.

Item	Ref	Size	Frequency	Power	Bandwidth	Modulation	Modulation Depth
11	1	1	2.505594 GHz	14.93 dBm	14.93 dBm	mod	20.0 dB
12	1	1	2.505594 GHz	-11.25 dBm	-11.25 dBm	mod	14.66 MHz

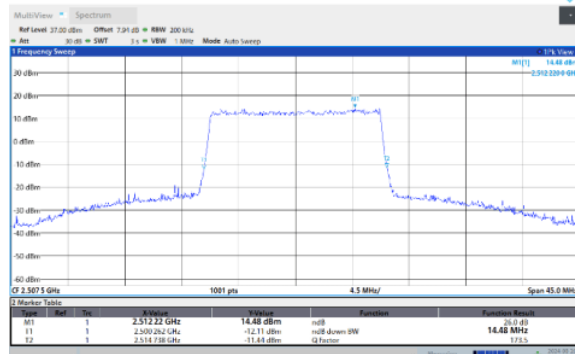


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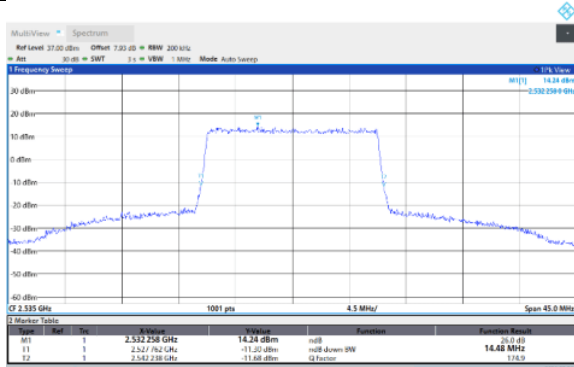
Test Report No.: PSU-NQN2407300216RF03



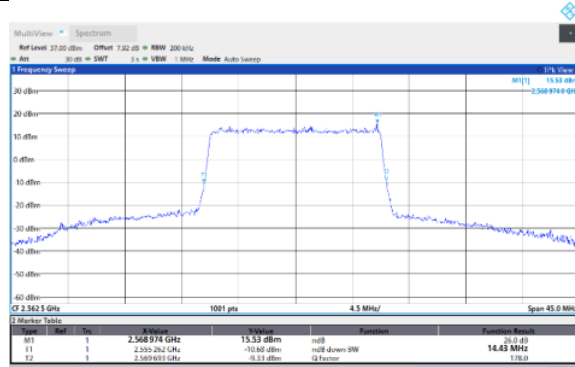
Band7-15MHz-16QAM-21100-75RB#0



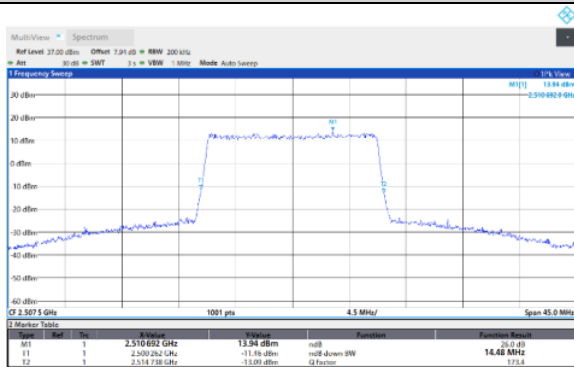
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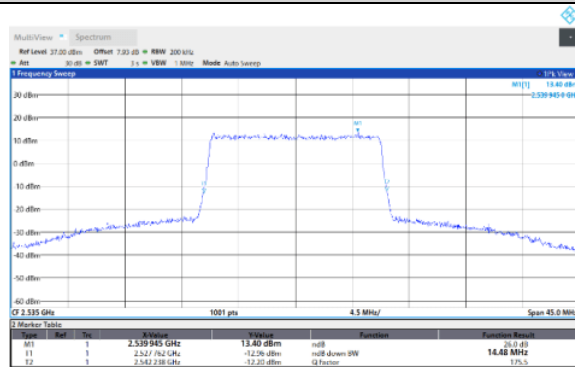
Band7-15MHz-64QAM-20825-75RB#0



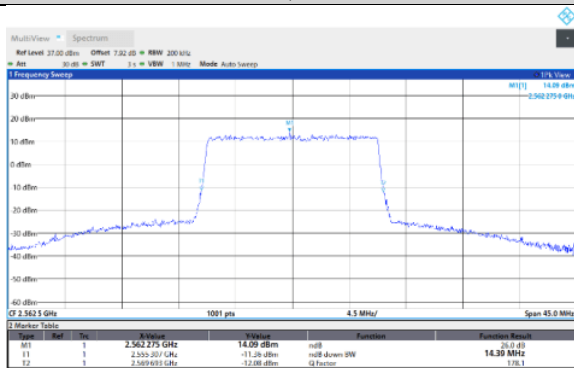
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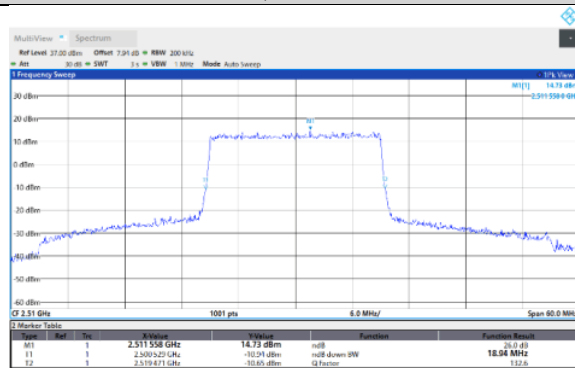
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Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21100-100RB#0

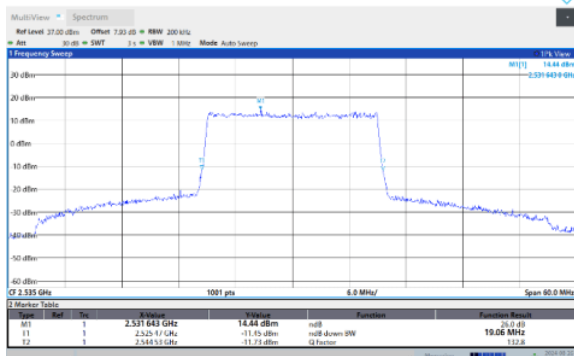


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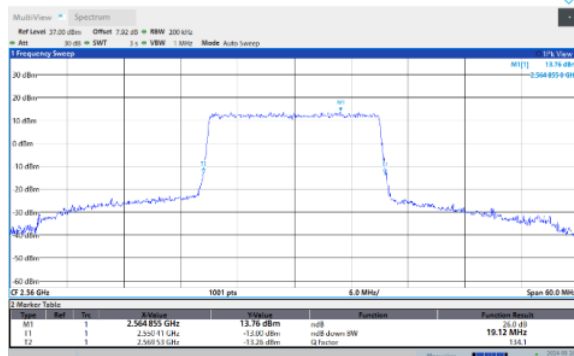


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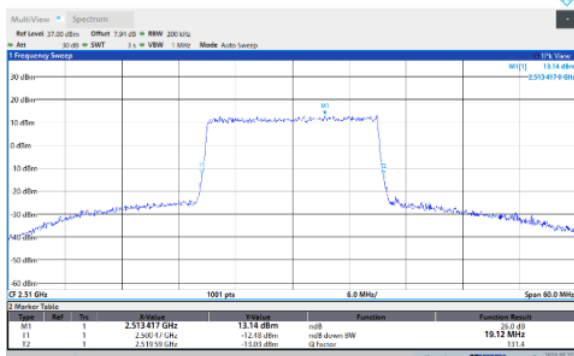
Test Report No.: PSU-NQN2407300216RF03



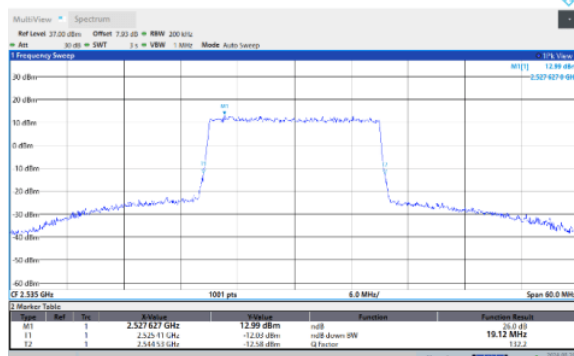
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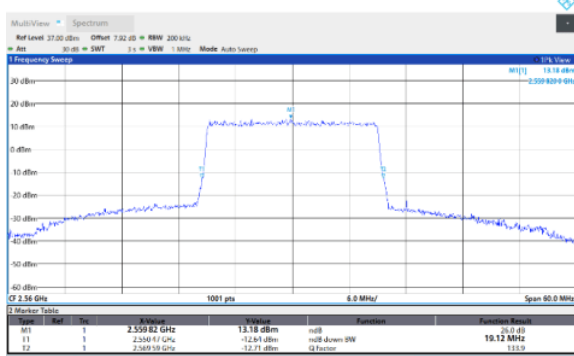
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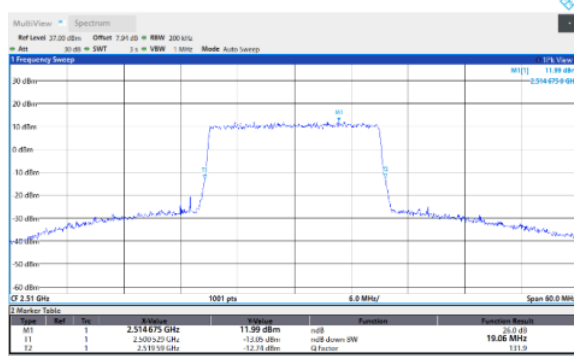
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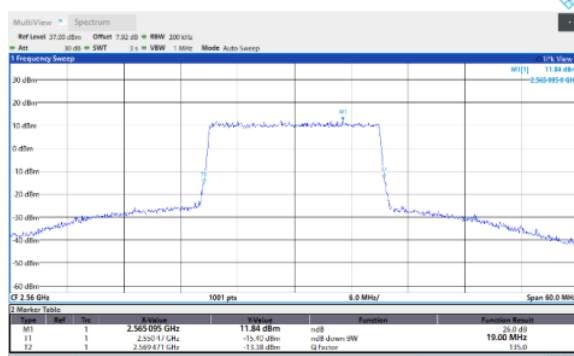
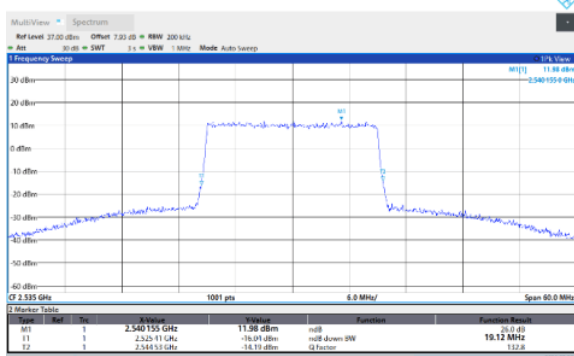
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Band7-20MHz-64QAM-21100-100RB#0



Band7-20MHz-64QAM-21350-100RB#0





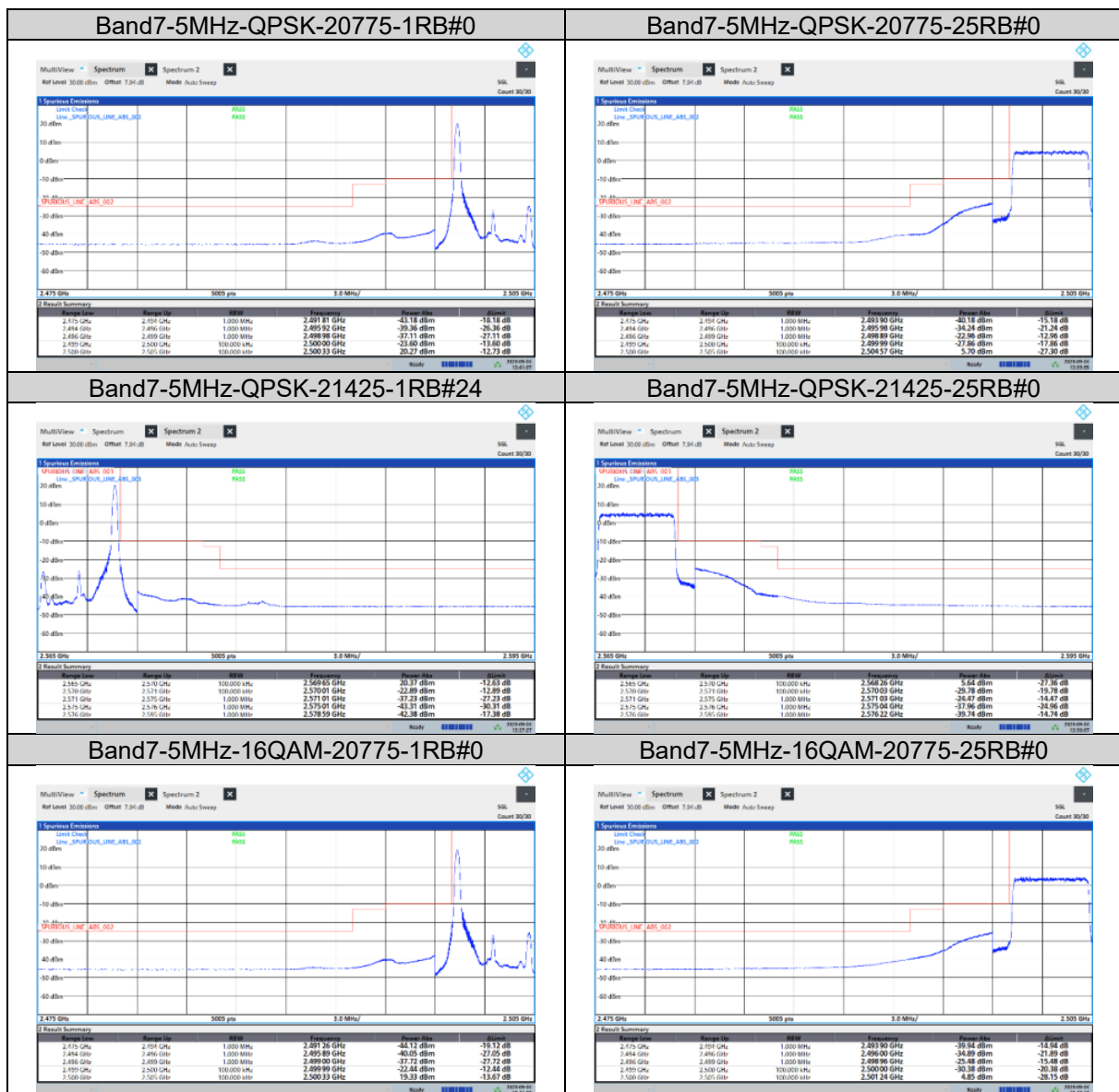
BAND EDGE

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	See Graph	PASS
Band7	5MHz	QPSK	20775	25RB#0	See Graph	PASS
Band7	5MHz	QPSK	21425	1RB#24	See Graph	PASS
Band7	5MHz	QPSK	21425	25RB#0	See Graph	PASS
Band7	5MHz	16QAM	20775	1RB#0	See Graph	PASS
Band7	5MHz	16QAM	20775	25RB#0	See Graph	PASS
Band7	5MHz	16QAM	21425	1RB#24	See Graph	PASS
Band7	5MHz	16QAM	21425	25RB#0	See Graph	PASS
Band7	5MHz	64QAM	20775	1RB#0	See Graph	PASS
Band7	5MHz	64QAM	20775	25RB#0	See Graph	PASS
Band7	5MHz	64QAM	21425	1RB#24	See Graph	PASS
Band7	5MHz	64QAM	21425	25RB#0	See Graph	PASS
Band7	10MHz	QPSK	20800	1RB#0	See Graph	PASS
Band7	10MHz	QPSK	20800	50RB#0	See Graph	PASS
Band7	10MHz	QPSK	21400	1RB#49	See Graph	PASS
Band7	10MHz	QPSK	21400	50RB#0	See Graph	PASS
Band7	10MHz	16QAM	20800	1RB#0	See Graph	PASS
Band7	10MHz	16QAM	20800	50RB#0	See Graph	PASS
Band7	10MHz	16QAM	21400	1RB#49	See Graph	PASS
Band7	10MHz	16QAM	21400	50RB#0	See Graph	PASS
Band7	10MHz	64QAM	20800	1RB#0	See Graph	PASS
Band7	10MHz	64QAM	20800	50RB#0	See Graph	PASS
Band7	10MHz	64QAM	21400	1RB#49	See Graph	PASS
Band7	10MHz	64QAM	21400	50RB#0	See Graph	PASS
Band7	15MHz	QPSK	20825	1RB#0	See Graph	PASS
Band7	15MHz	QPSK	20825	75RB#0	See Graph	PASS
Band7	15MHz	QPSK	21375	1RB#74	See Graph	PASS
Band7	15MHz	QPSK	21375	75RB#0	See Graph	PASS
Band7	15MHz	16QAM	20825	1RB#0	See Graph	PASS
Band7	15MHz	16QAM	20825	75RB#0	See Graph	PASS
Band7	15MHz	16QAM	21375	1RB#74	See Graph	PASS
Band7	15MHz	16QAM	21375	75RB#0	See Graph	PASS
Band7	15MHz	64QAM	20825	1RB#0	See Graph	PASS
Band7	15MHz	64QAM	20825	75RB#0	See Graph	PASS
Band7	15MHz	64QAM	21375	1RB#74	See Graph	PASS
Band7	15MHz	64QAM	21375	75RB#0	See Graph	PASS
Band7	20MHz	QPSK	20850	1RB#0	See Graph	PASS
Band7	20MHz	QPSK	20850	100RB#0	See Graph	PASS
Band7	20MHz	QPSK	21350	1RB#99	See Graph	PASS
Band7	20MHz	QPSK	21350	100RB#0	See Graph	PASS
Band7	20MHz	16QAM	20850	1RB#0	See Graph	PASS
Band7	20MHz	16QAM	20850	100RB#0	See Graph	PASS
Band7	20MHz	16QAM	21350	1RB#99	See Graph	PASS
Band7	20MHz	16QAM	21350	100RB#0	See Graph	PASS
Band7	20MHz	64QAM	20850	1RB#0	See Graph	PASS
Band7	20MHz	64QAM	20850	100RB#0	See Graph	PASS
Band7	20MHz	64QAM	21350	1RB#99	See Graph	PASS
Band7	20MHz	64QAM	21350	100RB#0	See Graph	PASS



Test Graphs





Band7-5MHz-16QAM-21425-1RB#24



Band7-5MHz-16QAM-21425-25RB#0



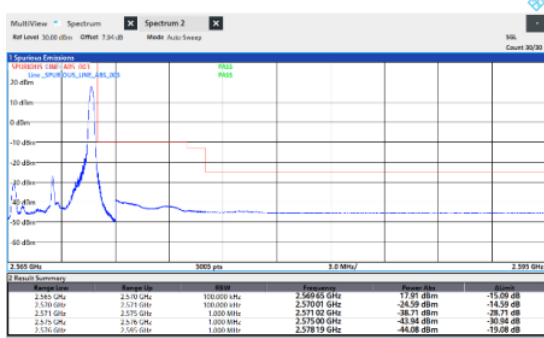
Band7-5MHz-64QAM-20775-1RB#0



Band7-5MHz-64QAM-20775-25RB#0



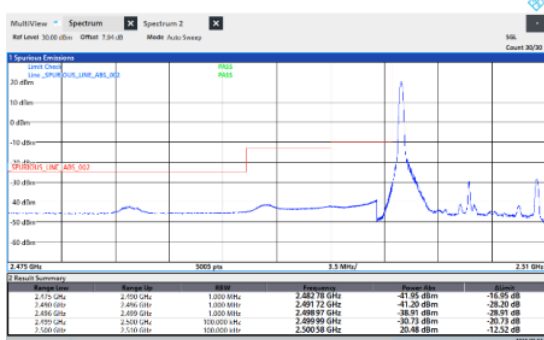
Band7-5MHz-64QAM-21425-1RB#24



Band7-5MHz-64QAM-21425-25RB#0



Band7-10MHz-QPSK-20800-1RB#0



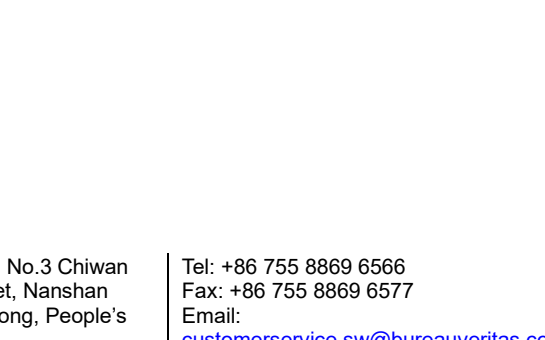
Band7-10MHz-QPSK-20800-50RB#0

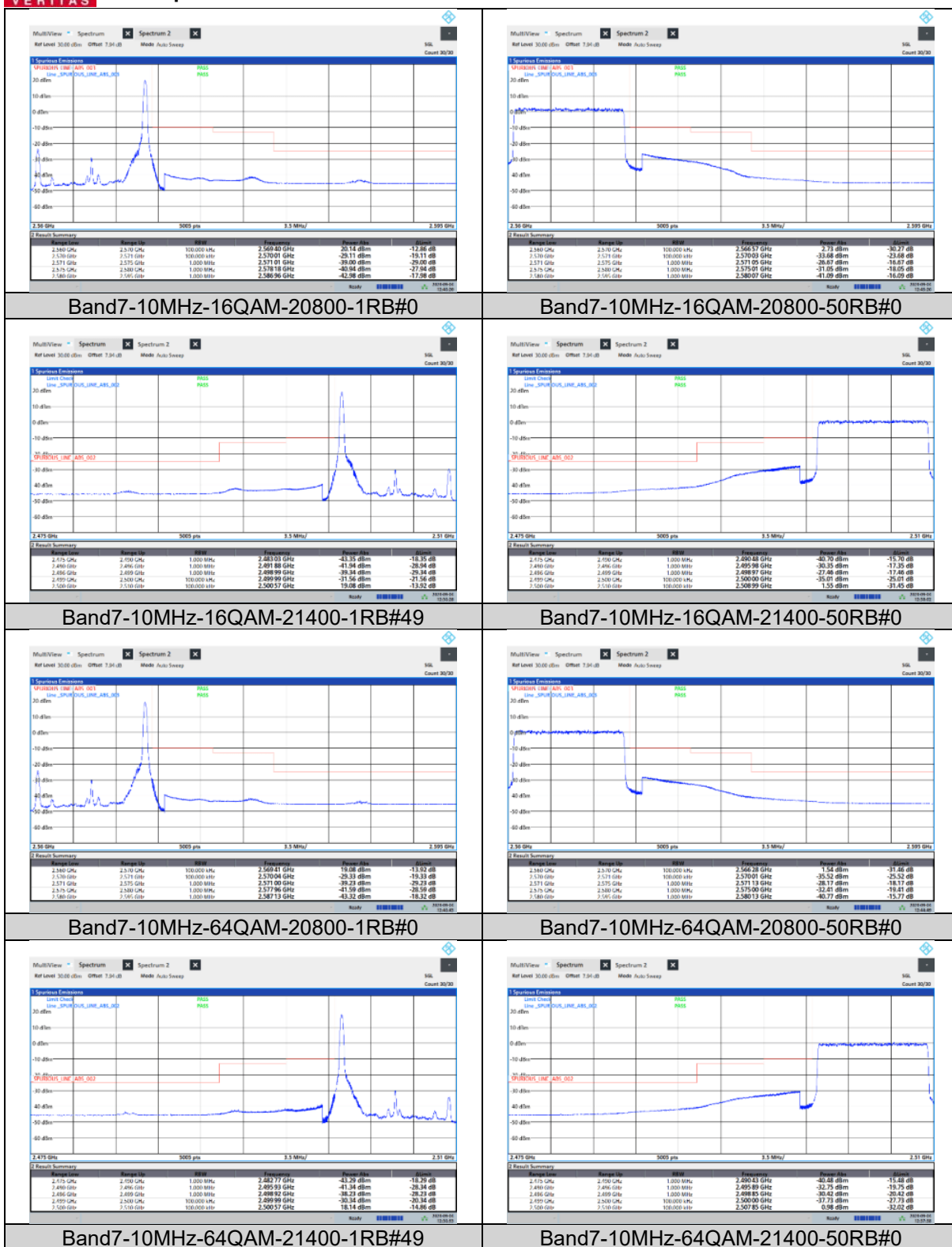


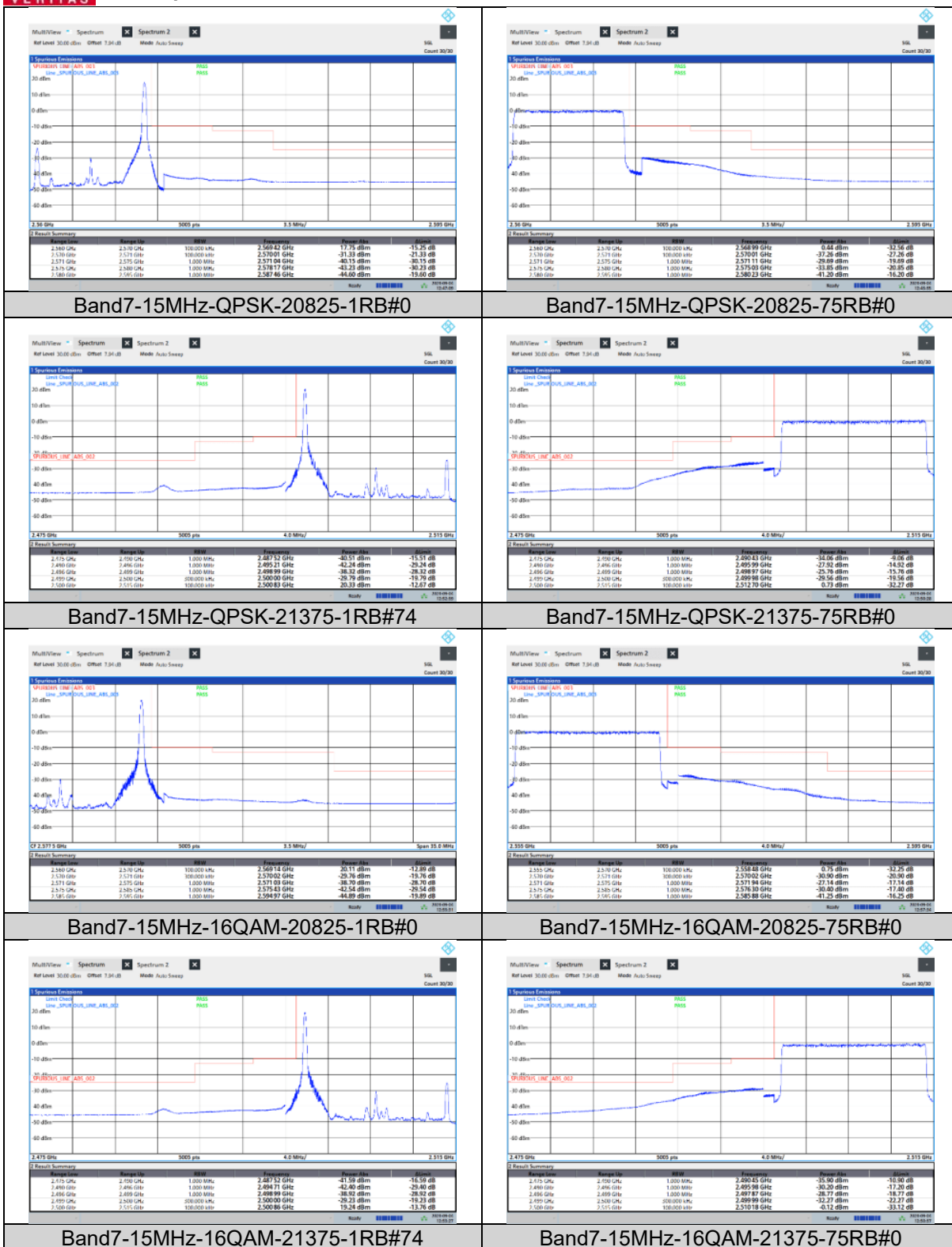
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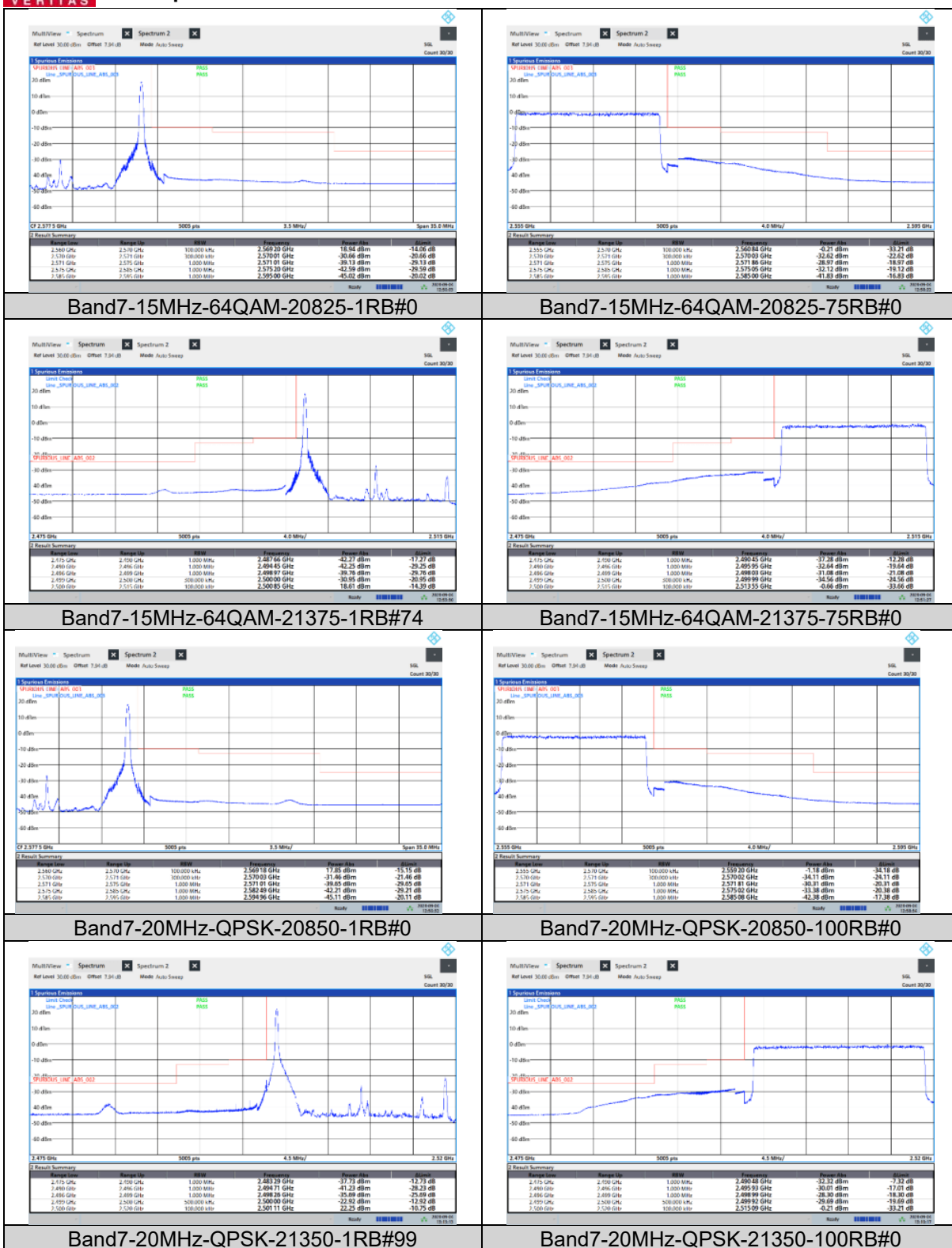


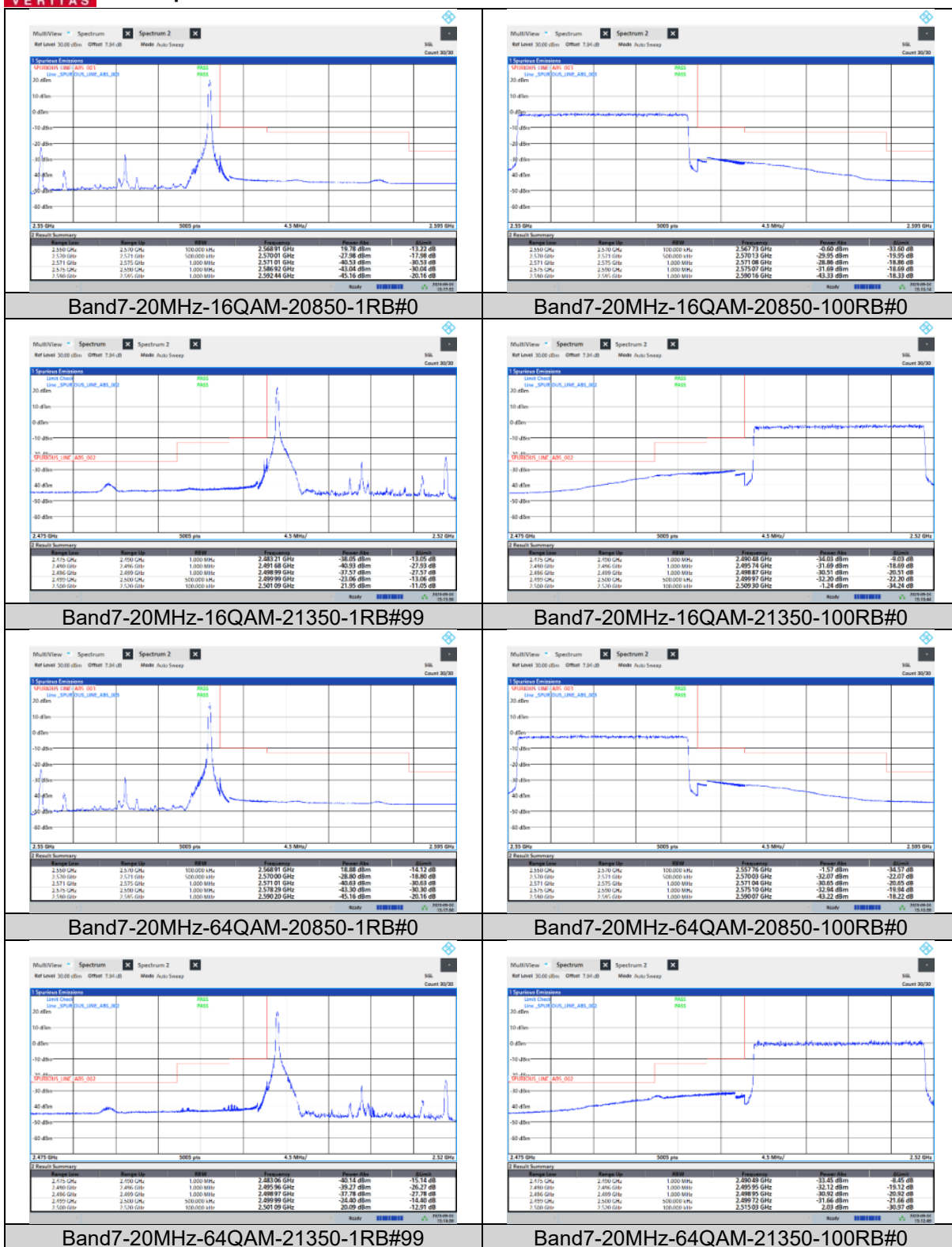
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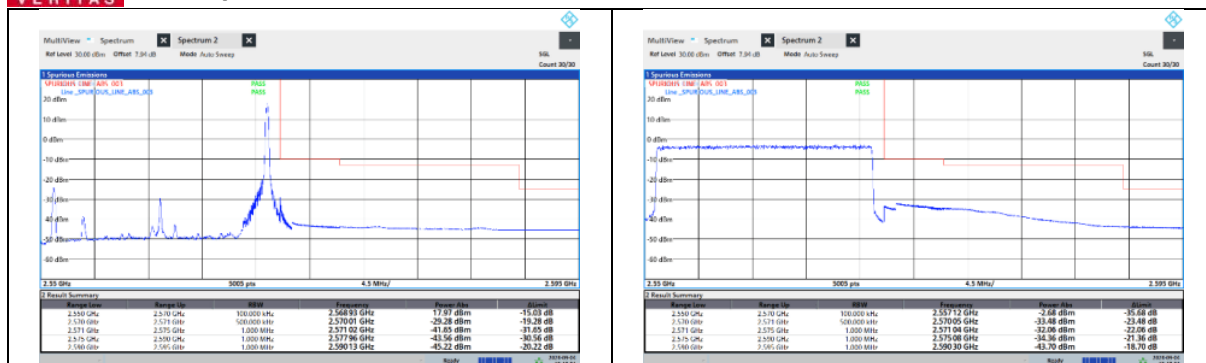






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Test Report No.: PSU-NQN2407300216RF03



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 Test Report No.: PSU-NQN2407300216RF03
CONDUCTED SPURIOUS EMISSION

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band7	5MHz	QPSK	20775	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	5MHz	QPSK	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	5MHz	QPSK	21425	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	5MHz	16QAM	20775	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	5MHz	16QAM	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	5MHz	16QAM	21425	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	5MHz	64QAM	20775	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	5MHz	64QAM	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	5MHz	64QAM	21425	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	10MHz	QPSK	20800	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	10MHz	QPSK	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	10MHz	QPSK	21400	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	10MHz	16QAM	20800	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	10MHz	16QAM	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	10MHz	16QAM	21400	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	10MHz	64QAM	20800	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	10MHz	64QAM	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	10MHz	64QAM	21400	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	15MHz	QPSK	20825	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	15MHz	QPSK	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	15MHz	QPSK	21375	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	15MHz	16QAM	20825	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	15MHz	16QAM	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	15MHz	16QAM	21375	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	15MHz	64QAM	20825	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	15MHz	64QAM	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	15MHz	64QAM	21375	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	20MHz	QPSK	20850	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	20MHz	QPSK	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	20MHz	QPSK	21350	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	20MHz	16QAM	20850	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	20MHz	16QAM	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	20MHz	16QAM	21350	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	20MHz	64QAM	20850	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	20MHz	64QAM	21100	1RB#0	Range:30~25700MHz	See Graph	PASS
Band7	20MHz	64QAM	21350	1RB#0	Range:30~25700MHz	See Graph	PASS

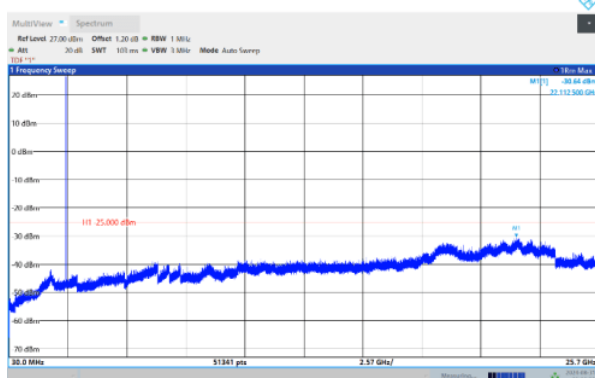
Test Graphs

Band7-5MHz-QPSK-20775-1RB#0- Range:30~25700MHz	Band7-5MHz-QPSK-21100-1RB#0- Range:30~25700MHz
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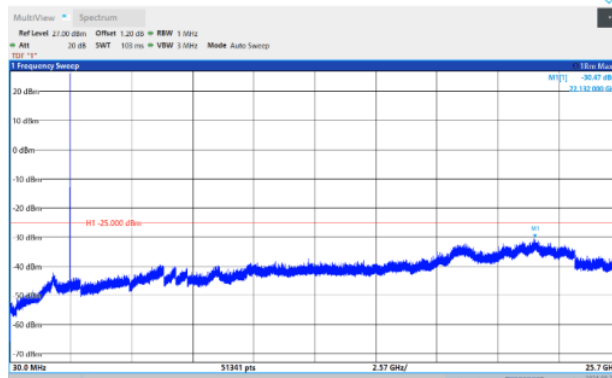


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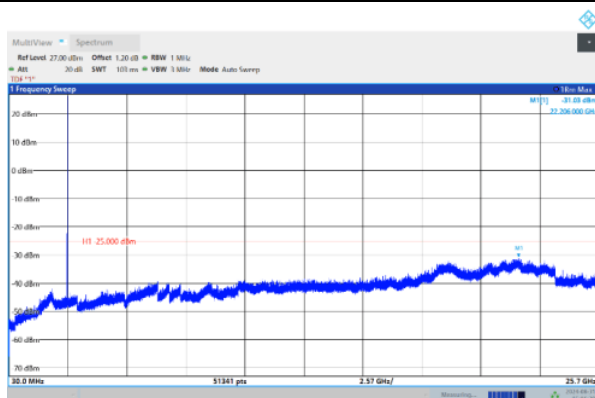
Test Report No.: PSU-NQN2407300216RF03



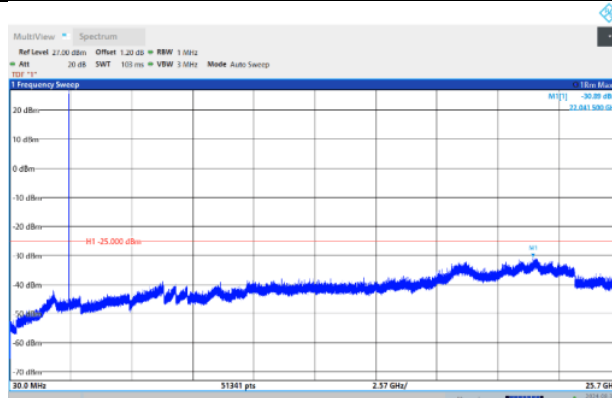
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Range:30~25700MHz**



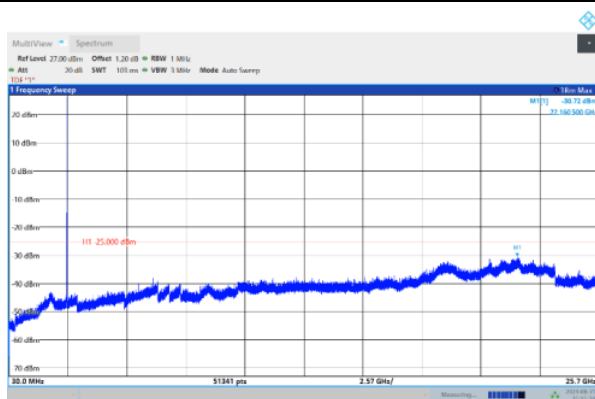
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Range:30~25700MHz**



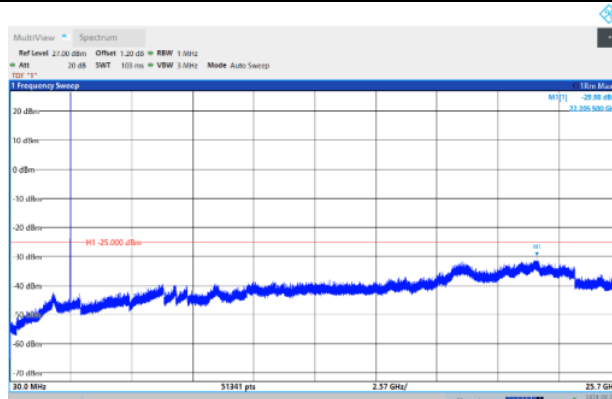
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Range:30~25700MHz**



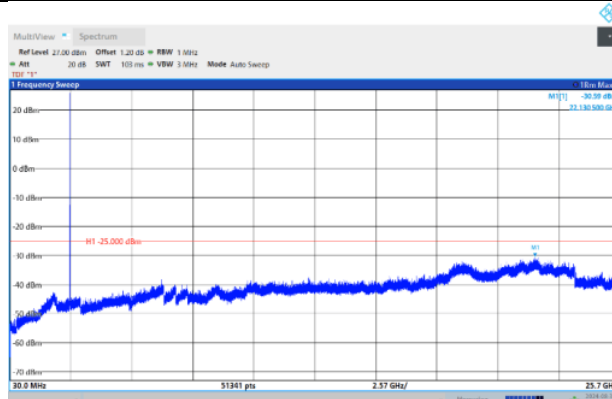
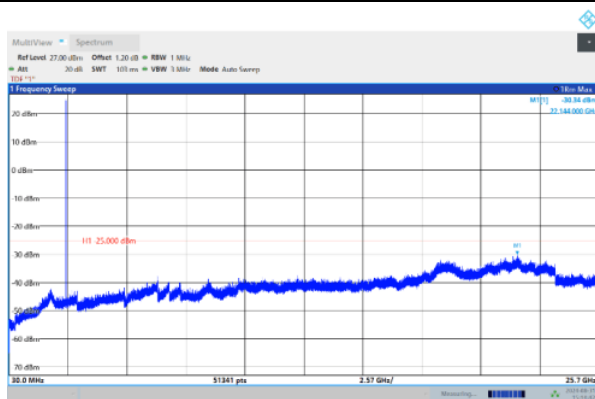
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Range:30~25700MHz**



**Band7-5MHz-64QAM-20775-1RB#0-
Range:30~25700MHz**



**Band7-5MHz-64QAM-21100-1RB#0-
Range:30~25700MHz**



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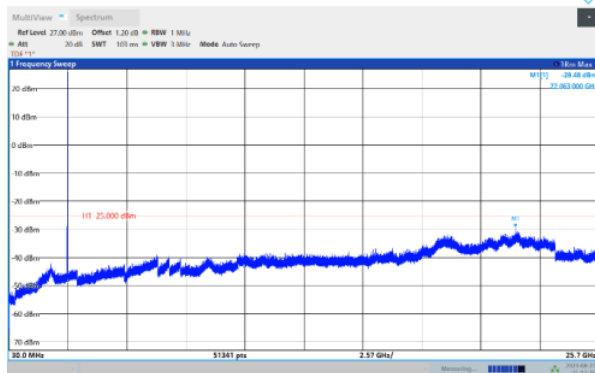
Room B37, Warehouse A5, No.3 Chiwan
4th Road, Zhaoshang Street, Nanshan
District Shenzhen, Guangdong, People's
Republic of China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577

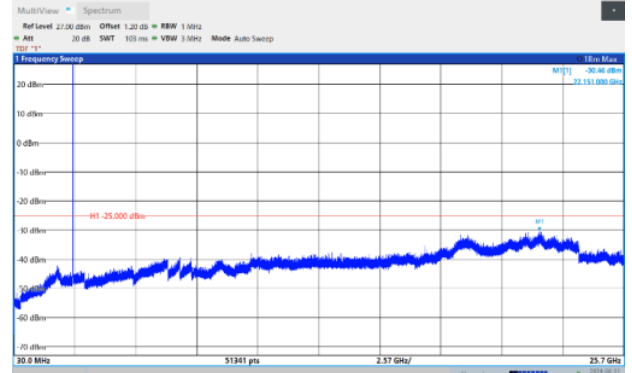
Email:
customerservice.sw@bureauveritas.com



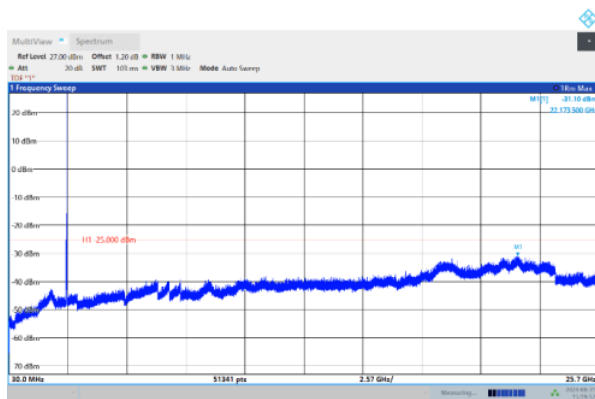
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Range:30~25700MHz



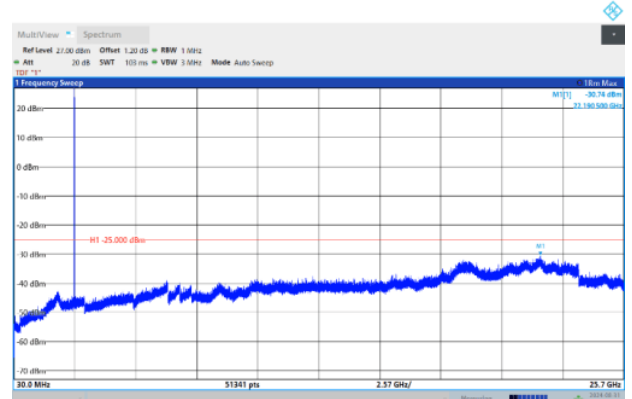
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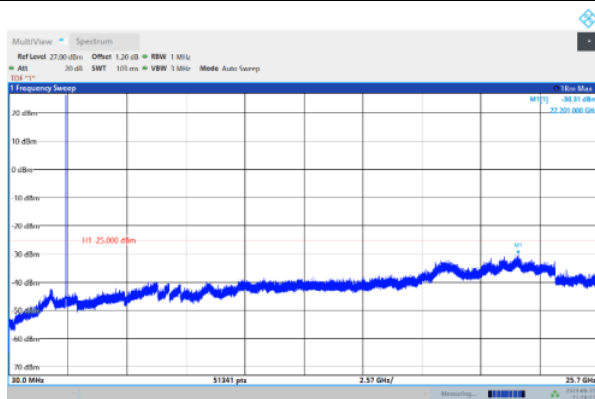
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Range:30~25700MHz



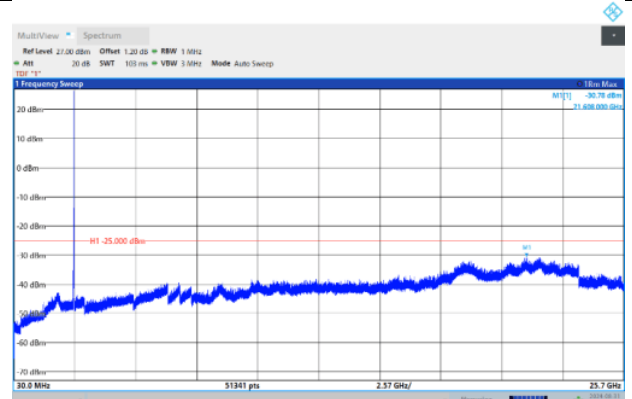
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Range:30~25700MHz



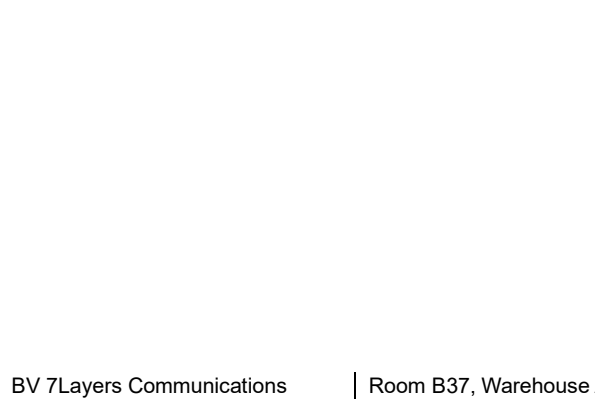
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Range:30~25700MHz



Band7-10MHz-16QAM-21100-1RB#0-
Range:30~25700MHz



Band7-10MHz-16QAM-21400-1RB#0-
Range:30~25700MHz



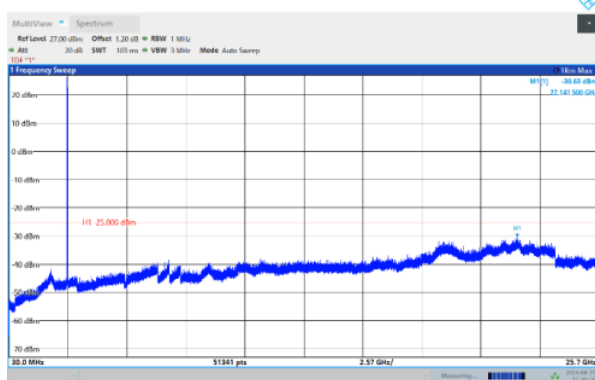
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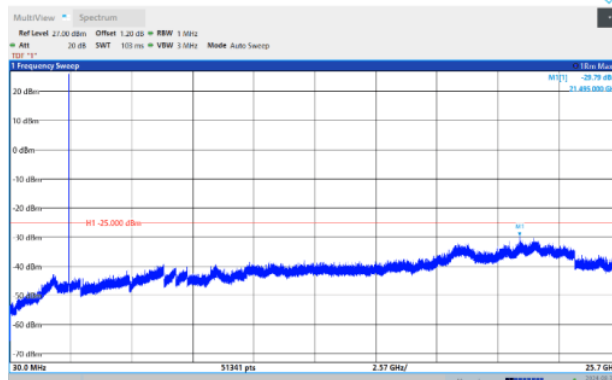


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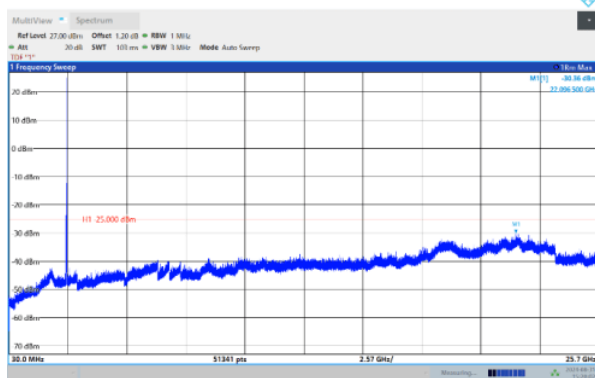
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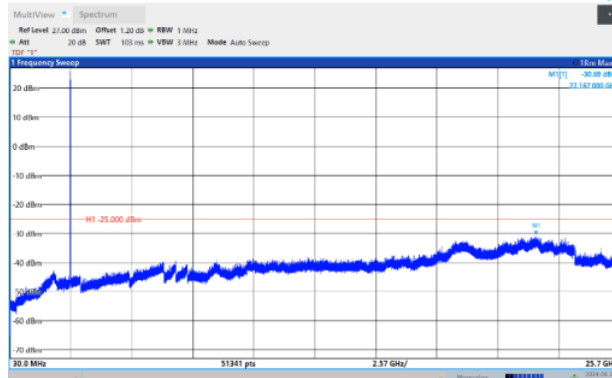
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Range:30~25700MHz



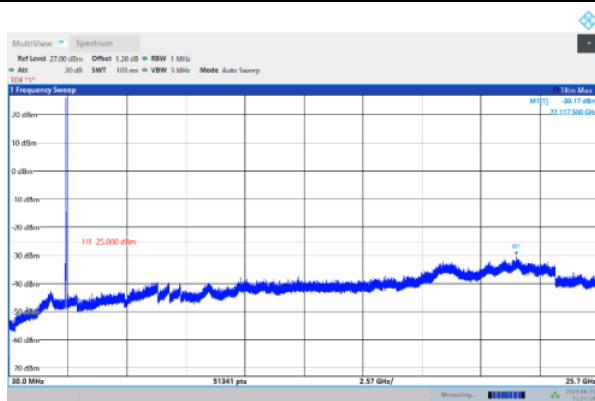
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Range:30~25700MHz



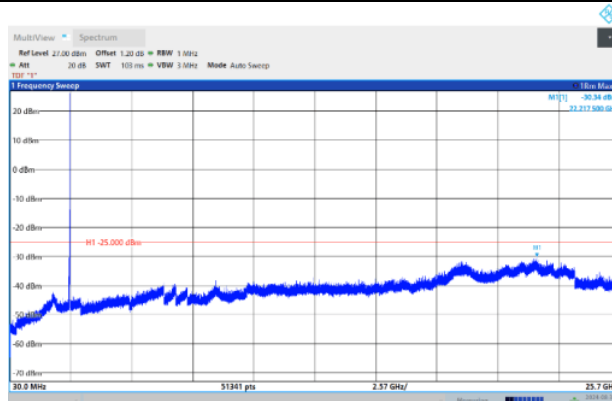
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Range:30~25700MHz



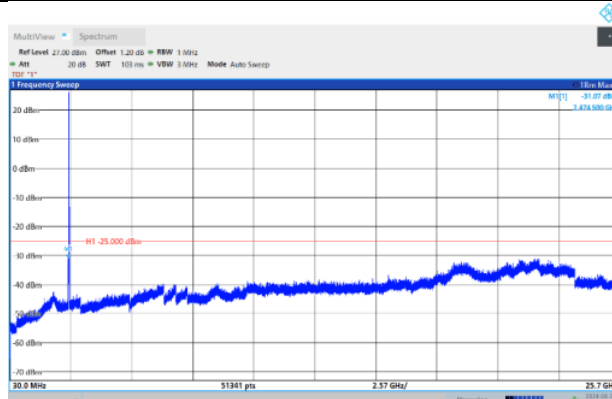
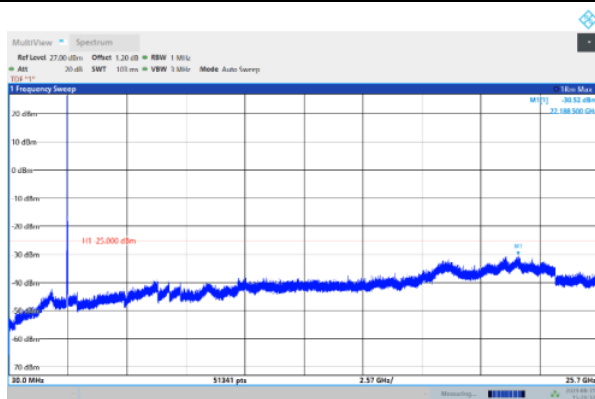
Band7-15MHz-QPSK-21100-1RB#0-
Range:30~25700MHz



Band7-15MHz-QPSK-21375-1RB#0-
Range:30~25700MHz



Band7-15MHz-16QAM-20825-1RB#0-
Range:30~25700MHz



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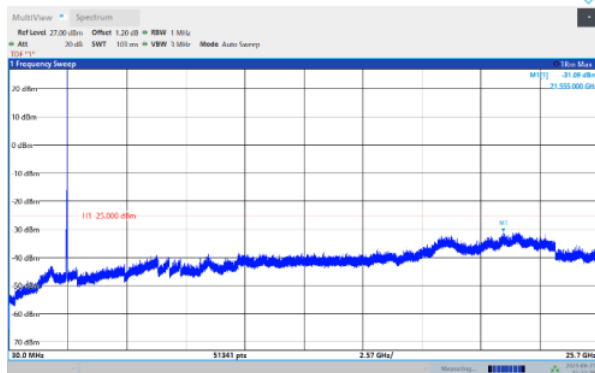
Room B37, Warehouse A5, No.3 Chiwan
4th Road, Zhaoshang Street, Nanshan
District Shenzhen, Guangdong, People's
Republic of China

Tel: +86 755 8869 6566
Fax: +86 755 8869 6577

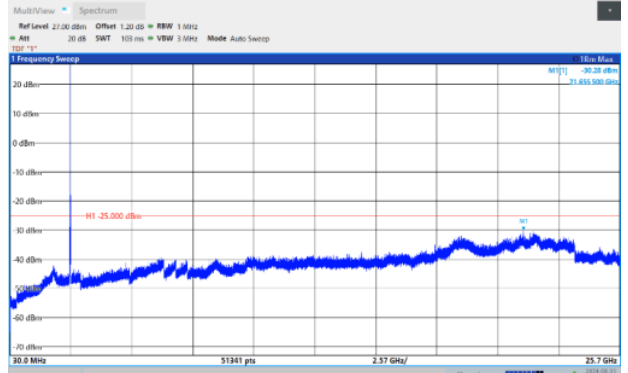
Email:
customerservice.sw@bureauveritas.com



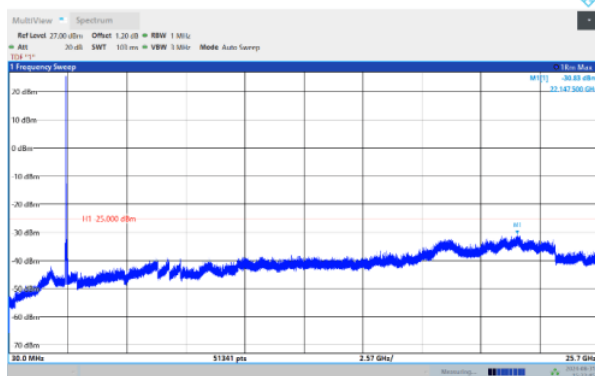
**Band7-15MHz-16QAM-21100-1RB#0-
Range:30~25700MHz**



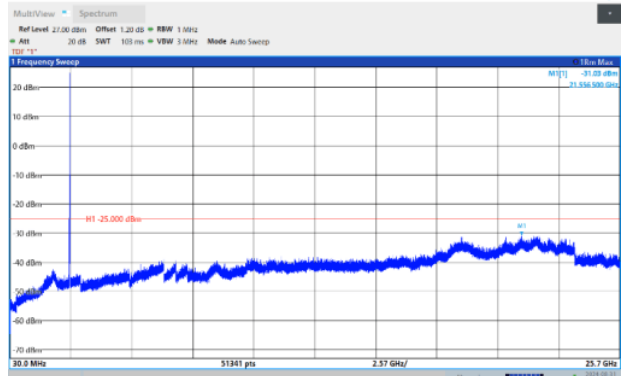
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Range:30~25700MHz**



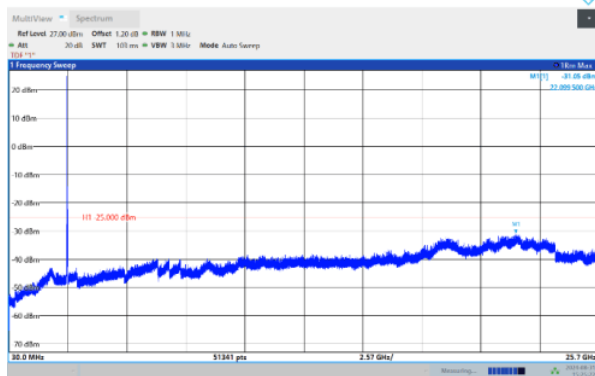
**Band7-15MHz-64QAM-20825-1RB#0-
Range:30~25700MHz**



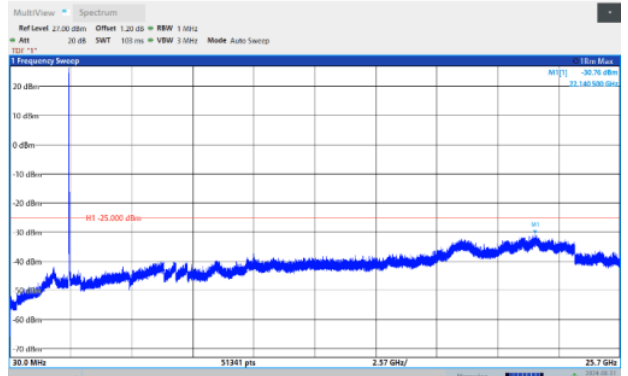
**Band7-15MHz-64QAM-21100-1RB#0-
Range:30~25700MHz**



**Band7-15MHz-64QAM-21375-1RB#0-
Range:30~25700MHz**



**Band7-20MHz-QPSK-20850-1RB#0-
Range:30~25700MHz**



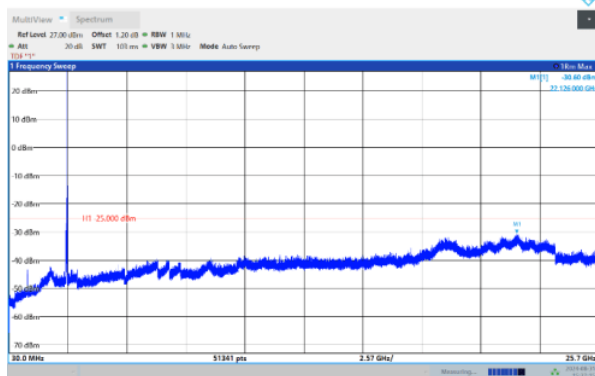
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**Band7-20MHz-QPSK-21350-1RB#0-
Range:30~25700MHz**

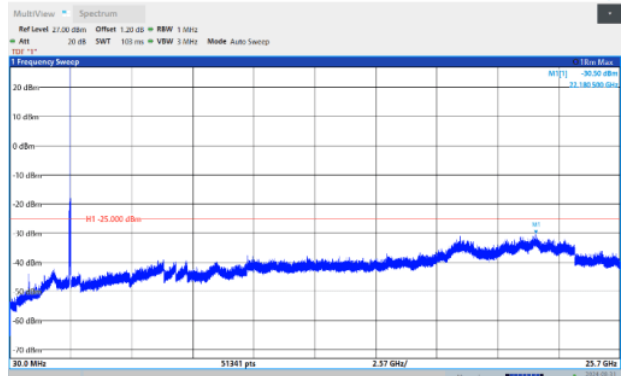


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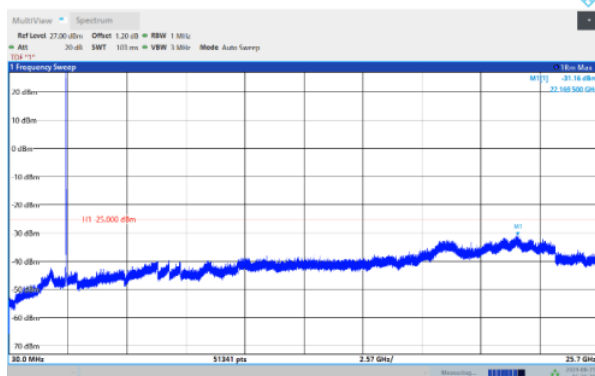
Test Report No.: PSU-NQN2407300216RF03



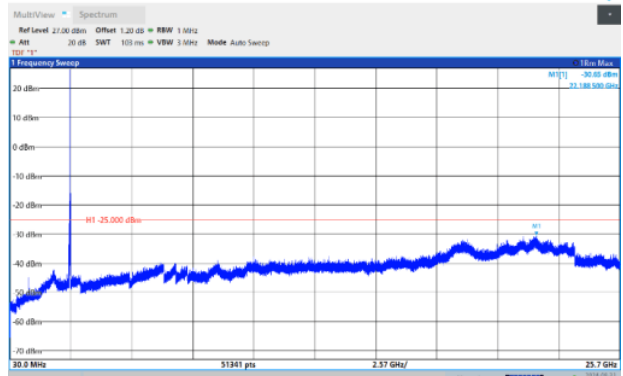
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Range:30~25700MHz



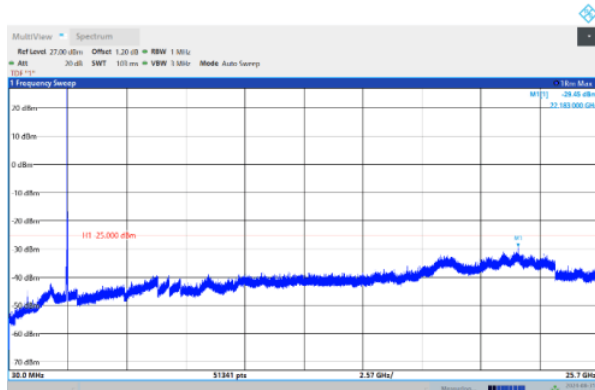
Band7-20MHz-16QAM-21100-1RB#0-
Range:30~25700MHz



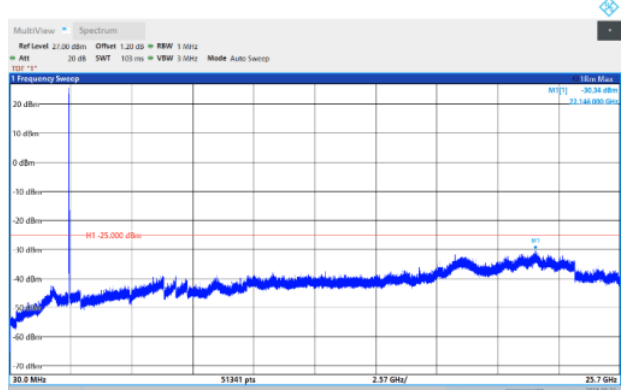
Band7-20MHz-16QAM-21350-1RB#0-
Range:30~25700MHz



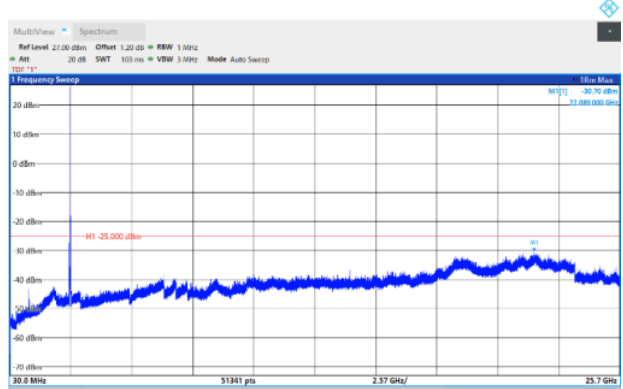
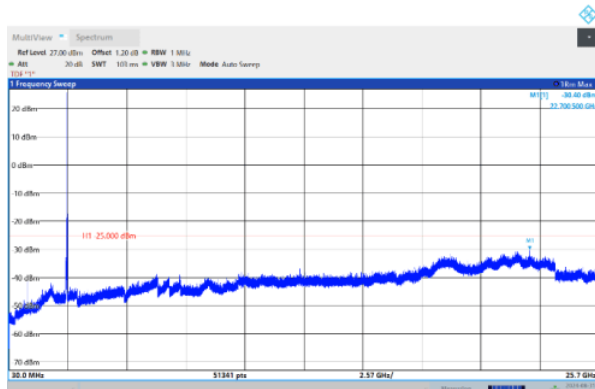
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Range:30~25700MHz



Band7-20MHz-64QAM-21100-1RB#0-
Range:30~25700MHz



Band7-20MHz-64QAM-21350-1RB#0-
Range:30~25700MHz



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



Test Report No.: PSU-NQN2407300216RF03



FREQUENCY STABILITY

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	LV	NT	-12.58	-0.0050	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	NT	9.50	0.0038	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	HV	NT	-15.58	-0.0062	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	LV	NT	-2.97	-0.0012	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	NT	1.67	0.0007	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	HV	NT	-3.46	-0.0014	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	LV	NT	12.99	0.0051	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	NT	14.60	0.0057	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	HV	NT	-2.49	-0.0010	±2.5	PASS

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band7	20MHz	QPSK	20850	100RB#0	NV	-30	16.60	0.0066	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-20	-12.60	-0.0050	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	-10	19.50	0.0078	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	0	-22.00	-0.0088	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	10	-14.30	-0.0057	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	20	-13.70	-0.0055	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	30	-26.80	-0.0107	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	40	0.80	0.0003	±2.5	PASS
Band7	20MHz	QPSK	20850	100RB#0	NV	50	14.70	0.0059	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-30	-5.96	-0.0024	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-20	-1.51	-0.0006	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	-10	-12.10	-0.0048	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	0	-22.92	-0.0090	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	10	3.12	0.0012	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	20	-15.39	-0.0061	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	30	-23.92	-0.0094	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	40	-3.41	-0.0013	±2.5	PASS
Band7	20MHz	QPSK	21100	100RB#0	NV	50	15.61	0.0062	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-30	18.00	0.0070	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-20	15.10	0.0059	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	-10	-8.70	-0.0034	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	0	-29.50	-0.0115	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	10	-29.70	-0.0116	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	20	23.30	0.0091	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	30	-11.30	-0.0044	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	40	-29.20	-0.0114	±2.5	PASS
Band7	20MHz	QPSK	21350	100RB#0	NV	50	26.80	0.0105	±2.5	PASS

MAX Deviation calculation

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Frequency Stability	Frequency (MHz)	Limit Line(MHz)	Result
$f_L - \text{MAX}(\Delta f) $	2501.046470	≥ 2500	PASS
$f_H + \text{MAX}(\Delta f) $	2568.950030	≤ 2570	

- Note: 1. $|\text{MAX}(\Delta f)|$ = Max Deviation
 2. f_L = Occ low channel f_L (-13dBm/MHz)
 3. f_H = Occ High channel f_H (-13dBm/MHz)
 4. $|\text{MAX}(\Delta f)|$ = 29.70 Hz.

LTE BAND12(INCLUDING LTE B17)

PEAK-TO-AVERAGE RATIO(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band12	1.4MHz	QPSK	23017	1RB#0	5.18	13	PASS
Band12	1.4MHz	QPSK	23017	6RB#0	5.70	13	PASS
Band12	1.4MHz	QPSK	23095	1RB#0	5.28	13	PASS
Band12	1.4MHz	QPSK	23095	6RB#0	5.52	13	PASS
Band12	1.4MHz	QPSK	23173	1RB#0	4.38	13	PASS
Band12	1.4MHz	QPSK	23173	6RB#0	5.10	13	PASS
Band12	1.4MHz	16QAM	23017	1RB#0	6.08	13	PASS
Band12	1.4MHz	16QAM	23017	6RB#0	6.40	13	PASS
Band12	1.4MHz	16QAM	23095	1RB#0	5.94	13	PASS
Band12	1.4MHz	16QAM	23095	6RB#0	6.46	13	PASS
Band12	1.4MHz	16QAM	23173	1RB#0	4.98	13	PASS
Band12	1.4MHz	16QAM	23173	6RB#0	5.98	13	PASS
Band12	1.4MHz	64QAM	23017	1RB#0	6.36	13	PASS
Band12	1.4MHz	64QAM	23017	6RB#0	6.66	13	PASS
Band12	1.4MHz	64QAM	23095	1RB#0	6.82	13	PASS
Band12	1.4MHz	64QAM	23095	6RB#0	6.44	13	PASS
Band12	1.4MHz	64QAM	23173	1RB#0	5.84	13	PASS
Band12	1.4MHz	64QAM	23173	6RB#0	6.48	13	PASS
Band12	3MHz	QPSK	23025	1RB#0	5.16	13	PASS
Band12	3MHz	QPSK	23025	15RB#0	5.84	13	PASS
Band12	3MHz	QPSK	23095	1RB#0	5.12	13	PASS
Band12	3MHz	QPSK	23095	15RB#0	5.84	13	PASS
Band12	3MHz	QPSK	23165	1RB#0	4.84	13	PASS
Band12	3MHz	QPSK	23165	15RB#0	5.44	13	PASS
Band12	3MHz	16QAM	23025	1RB#0	5.76	13	PASS
Band12	3MHz	16QAM	23025	15RB#0	6.66	13	PASS
Band12	3MHz	16QAM	23095	1RB#0	5.88	13	PASS
Band12	3MHz	16QAM	23095	15RB#0	6.60	13	PASS
Band12	3MHz	16QAM	23165	1RB#0	5.46	13	PASS

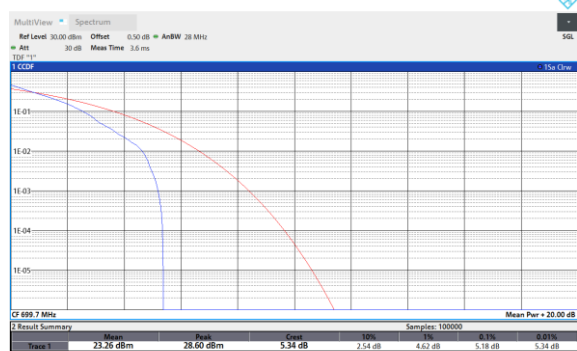


Band12	3MHz	16QAM	23165	15RB#0	6.10	13	PASS
Band12	3MHz	64QAM	23025	1RB#0	6.34	13	PASS
Band12	3MHz	64QAM	23025	15RB#0	6.98	13	PASS
Band12	3MHz	64QAM	23095	1RB#0	6.32	13	PASS
Band12	3MHz	64QAM	23095	15RB#0	6.94	13	PASS
Band12	3MHz	64QAM	23165	1RB#0	5.94	13	PASS
Band12	3MHz	64QAM	23165	15RB#0	6.68	13	PASS
Band12	5MHz	QPSK	23035	1RB#0	5.36	13	PASS
Band12	5MHz	QPSK	23035	25RB#0	5.86	13	PASS
Band12	5MHz	QPSK	23095	1RB#0	5.18	13	PASS
Band12	5MHz	QPSK	23095	25RB#0	5.92	13	PASS
Band12	5MHz	QPSK	23155	1RB#0	4.94	13	PASS
Band12	5MHz	QPSK	23155	25RB#0	5.44	13	PASS
Band12	5MHz	16QAM	23035	1RB#0	5.86	13	PASS
Band12	5MHz	16QAM	23035	25RB#0	6.60	13	PASS
Band12	5MHz	16QAM	23095	1RB#0	5.76	13	PASS
Band12	5MHz	16QAM	23095	25RB#0	6.60	13	PASS
Band12	5MHz	16QAM	23155	1RB#0	5.66	13	PASS
Band12	5MHz	16QAM	23155	25RB#0	6.26	13	PASS
Band12	5MHz	64QAM	23035	1RB#0	6.28	13	PASS
Band12	5MHz	64QAM	23035	25RB#0	6.94	13	PASS
Band12	5MHz	64QAM	23095	1RB#0	6.78	13	PASS
Band12	5MHz	64QAM	23095	25RB#0	6.96	13	PASS
Band12	5MHz	64QAM	23155	1RB#0	6.68	13	PASS
Band12	5MHz	64QAM	23155	25RB#0	6.74	13	PASS
Band12	10MHz	QPSK	23060	1RB#0	5.00	13	PASS
Band12	10MHz	QPSK	23060	50RB#0	5.88	13	PASS
Band12	10MHz	QPSK	23095	1RB#0	5.20	13	PASS
Band12	10MHz	QPSK	23095	50RB#0	5.82	13	PASS
Band12	10MHz	QPSK	23130	1RB#0	4.98	13	PASS
Band12	10MHz	QPSK	23130	50RB#0	5.74	13	PASS
Band12	10MHz	16QAM	23060	1RB#0	5.74	13	PASS
Band12	10MHz	16QAM	23060	50RB#0	6.62	13	PASS
Band12	10MHz	16QAM	23095	1RB#0	6.12	13	PASS
Band12	10MHz	16QAM	23095	50RB#0	6.58	13	PASS
Band12	10MHz	16QAM	23130	1RB#0	5.64	13	PASS
Band12	10MHz	16QAM	23130	50RB#0	6.54	13	PASS
Band12	10MHz	64QAM	23060	1RB#0	6.20	13	PASS
Band12	10MHz	64QAM	23060	50RB#0	6.86	13	PASS
Band12	10MHz	64QAM	23095	1RB#0	6.82	13	PASS
Band12	10MHz	64QAM	23095	50RB#0	7.04	13	PASS
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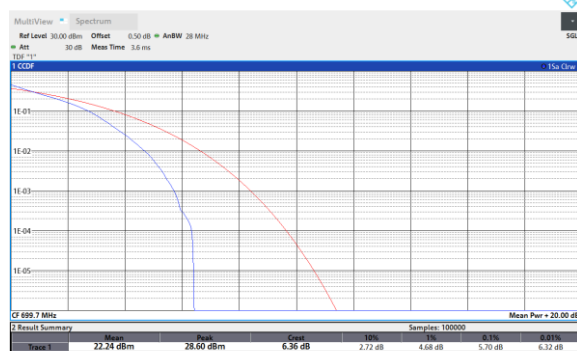


Test Graphs

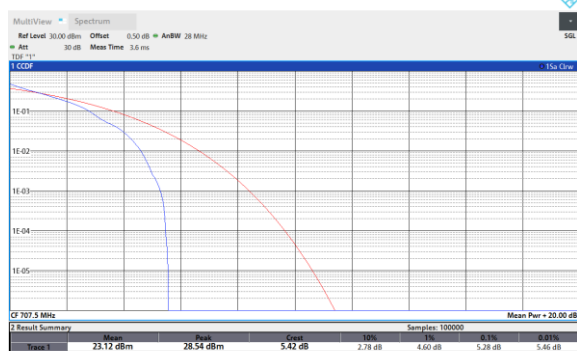
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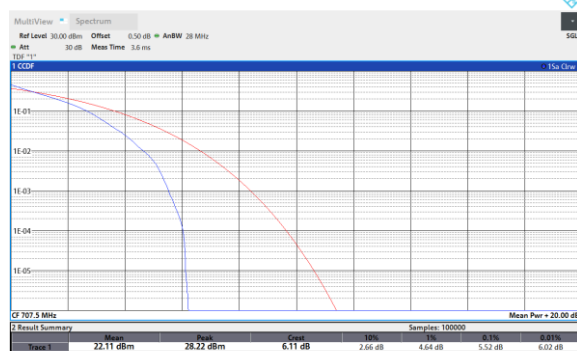
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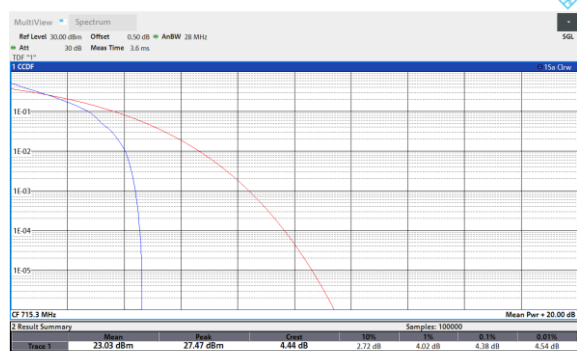
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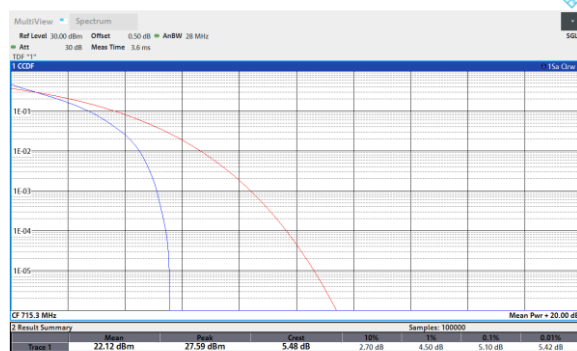
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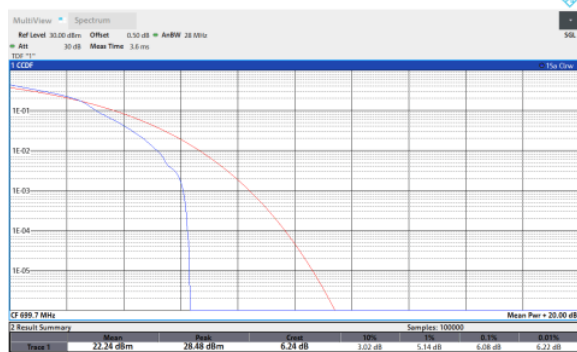
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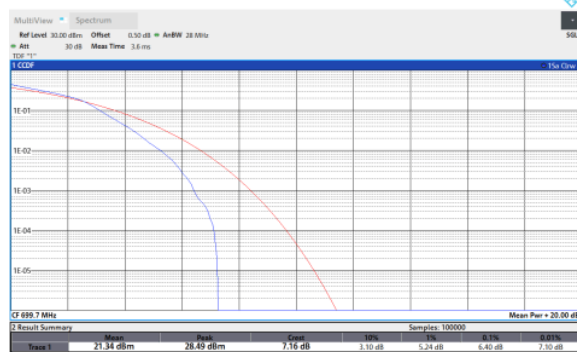
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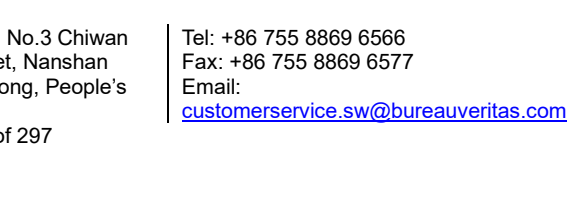
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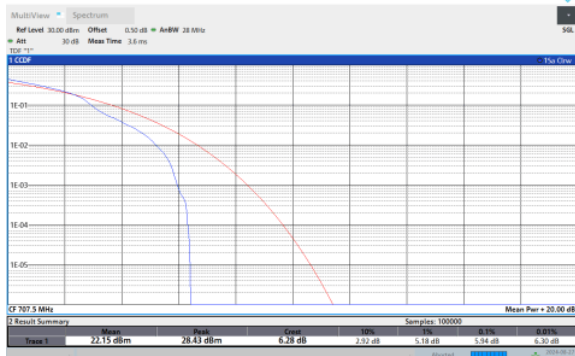


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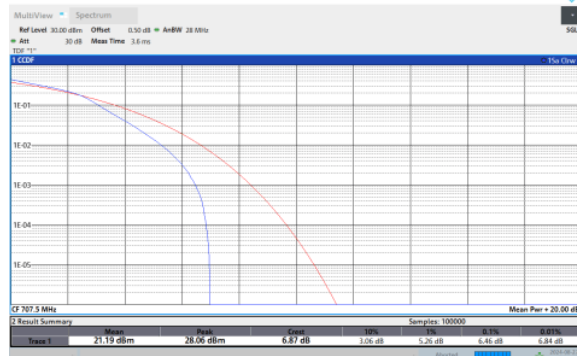


Band12-1.4MHz-16QAM-23095-6RB#0

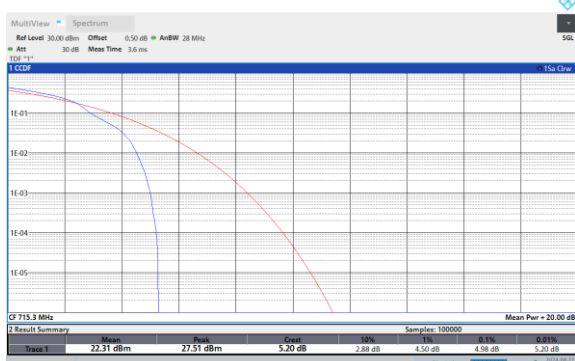




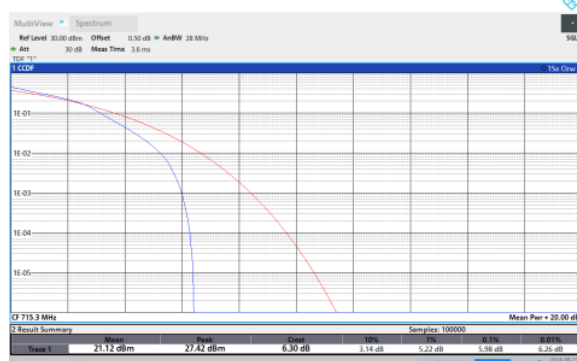
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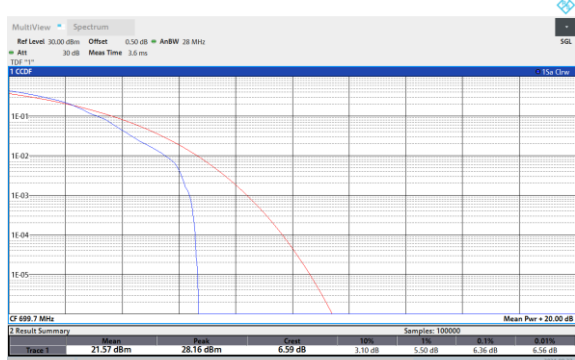
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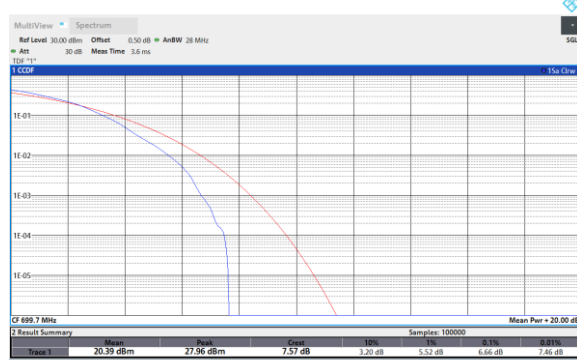
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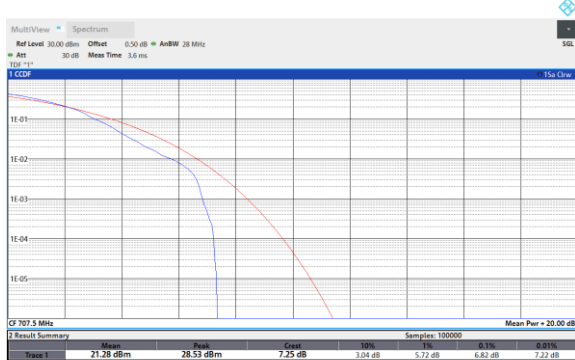
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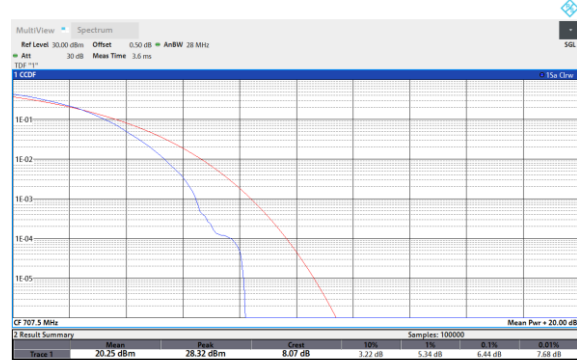
Band12-1.4MHz-64QAM-23095-1RB#0



Band12-1.4MHz-64QAM-23095-6RB#0



Band12-1.4MHz-64QAM-23173-1RB#0

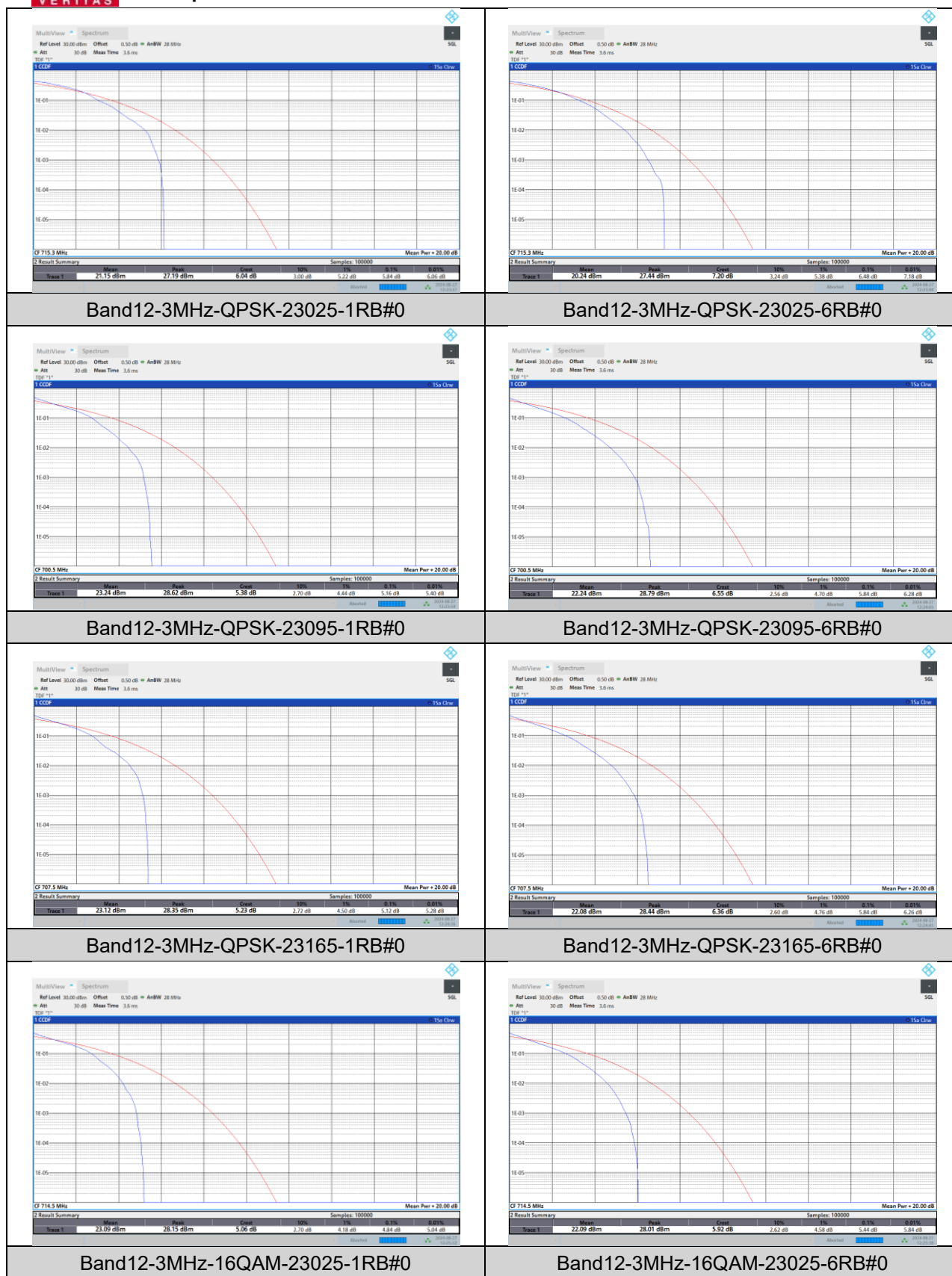


Band12-1.4MHz-64QAM-23173-6RB#0



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Technology (Shenzhen) Co., Ltd

Room B37, Warehouse A5, No.3 Chiwan
4th Road, Zhaoshang Street, Nanshan
District Shenzhen, Guangdong, People's
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Tel: +86 755 8869 6566
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Email:

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