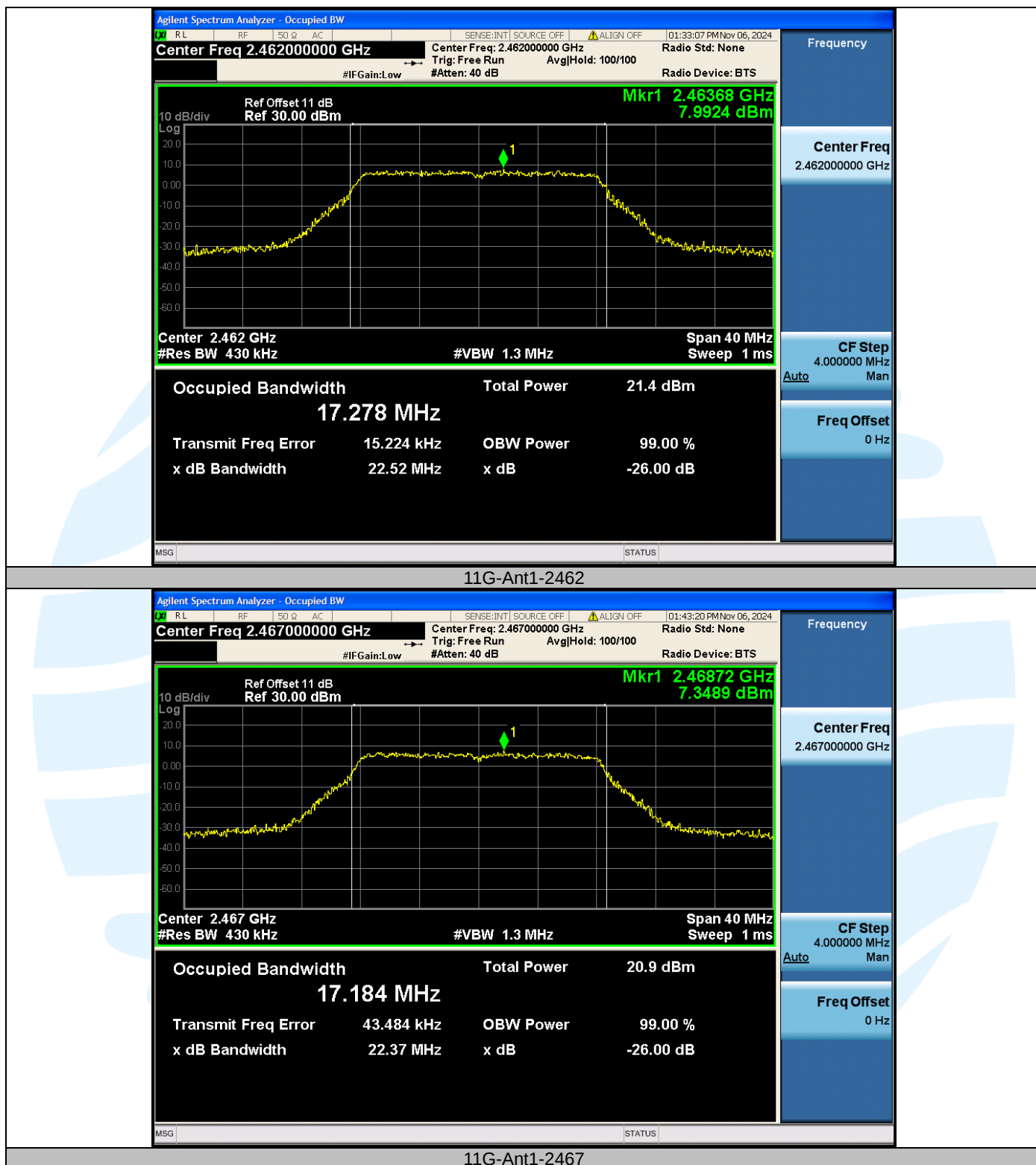
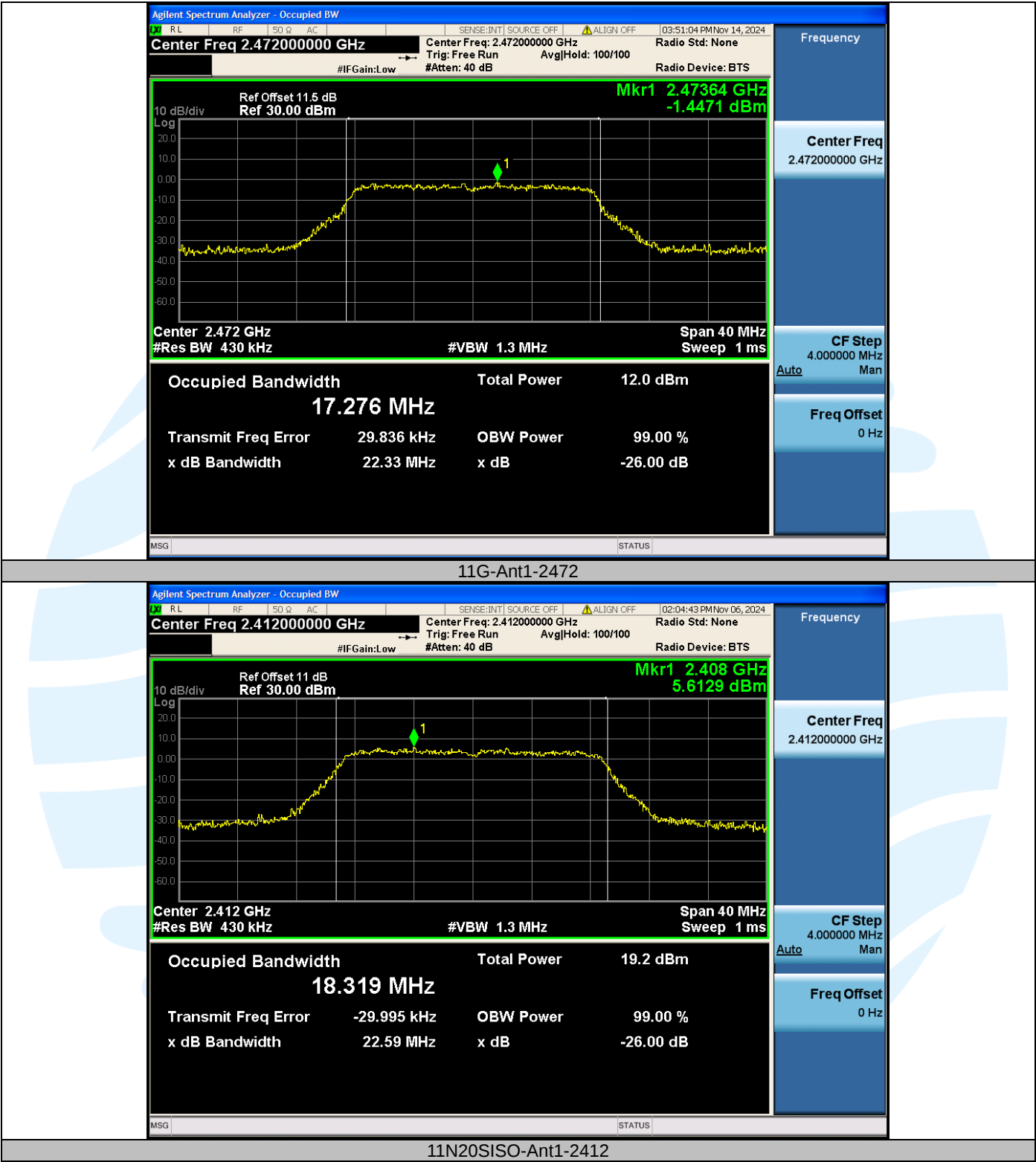






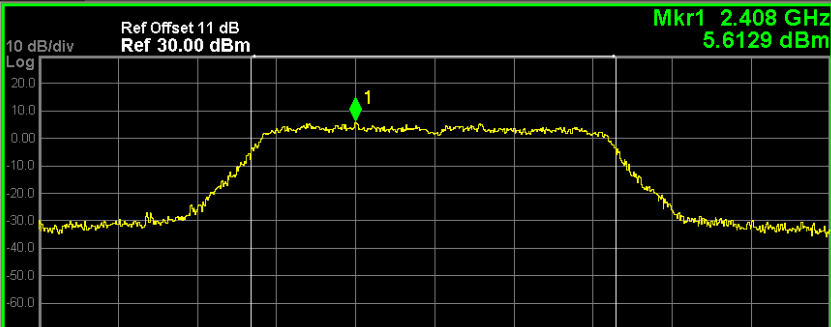
10 dB/div

Ref Offset 11 dB

Ref 30.00 dBm

Mkr1 2.408 GHz

5.6129 dBm



Center 2.412 GHz

#Res BW 430 kHz

#VBW 1.3 MHz

Span 40 MHz

Sweep 1 ms

Occupied Bandwidth

18.319 MHz

Total Power

19.2 dBm

Transmit Freq Error

-29.995 kHz

OBW Power

99.00 %

x dB Bandwidth

22.59 MHz

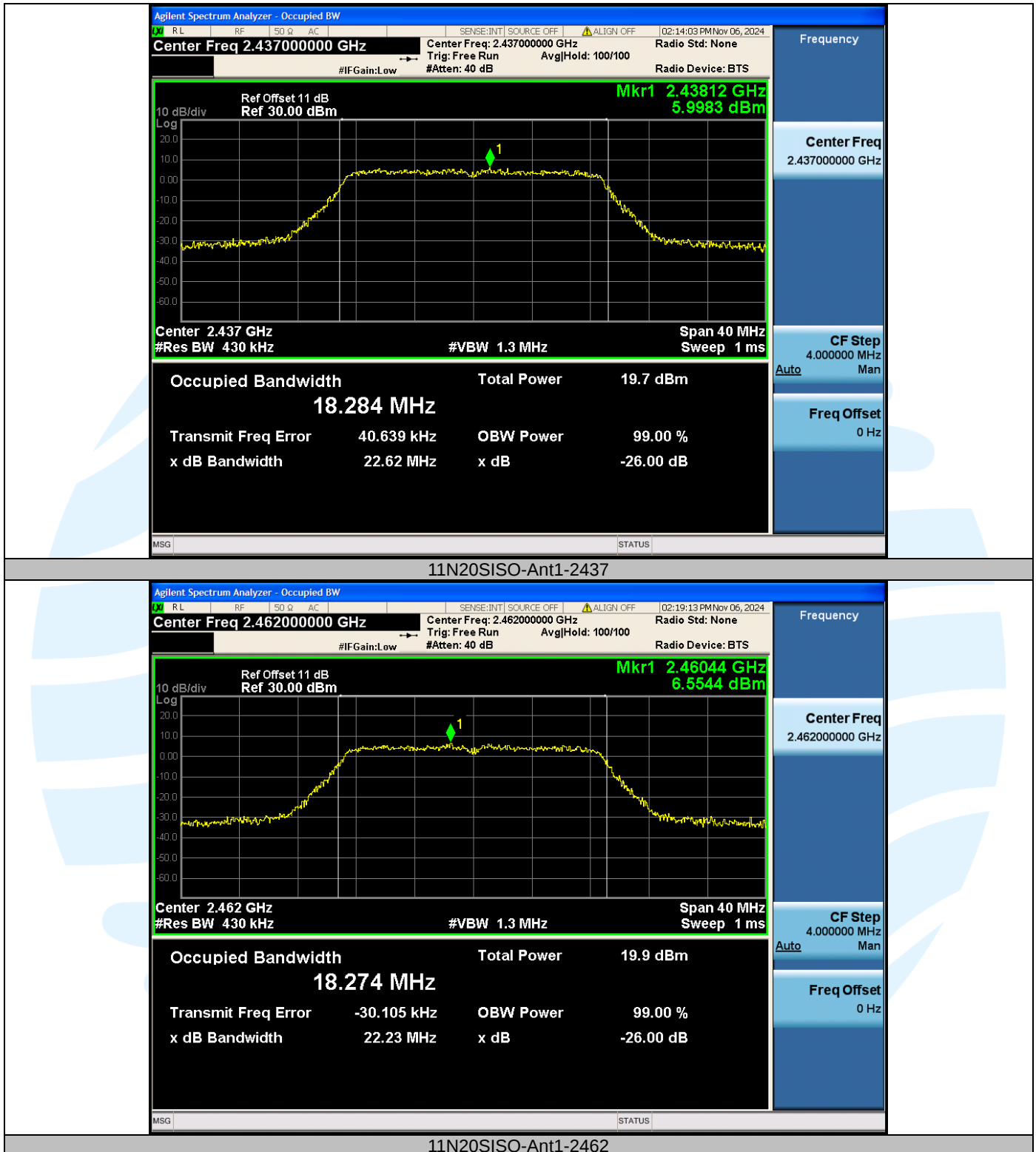
x dB

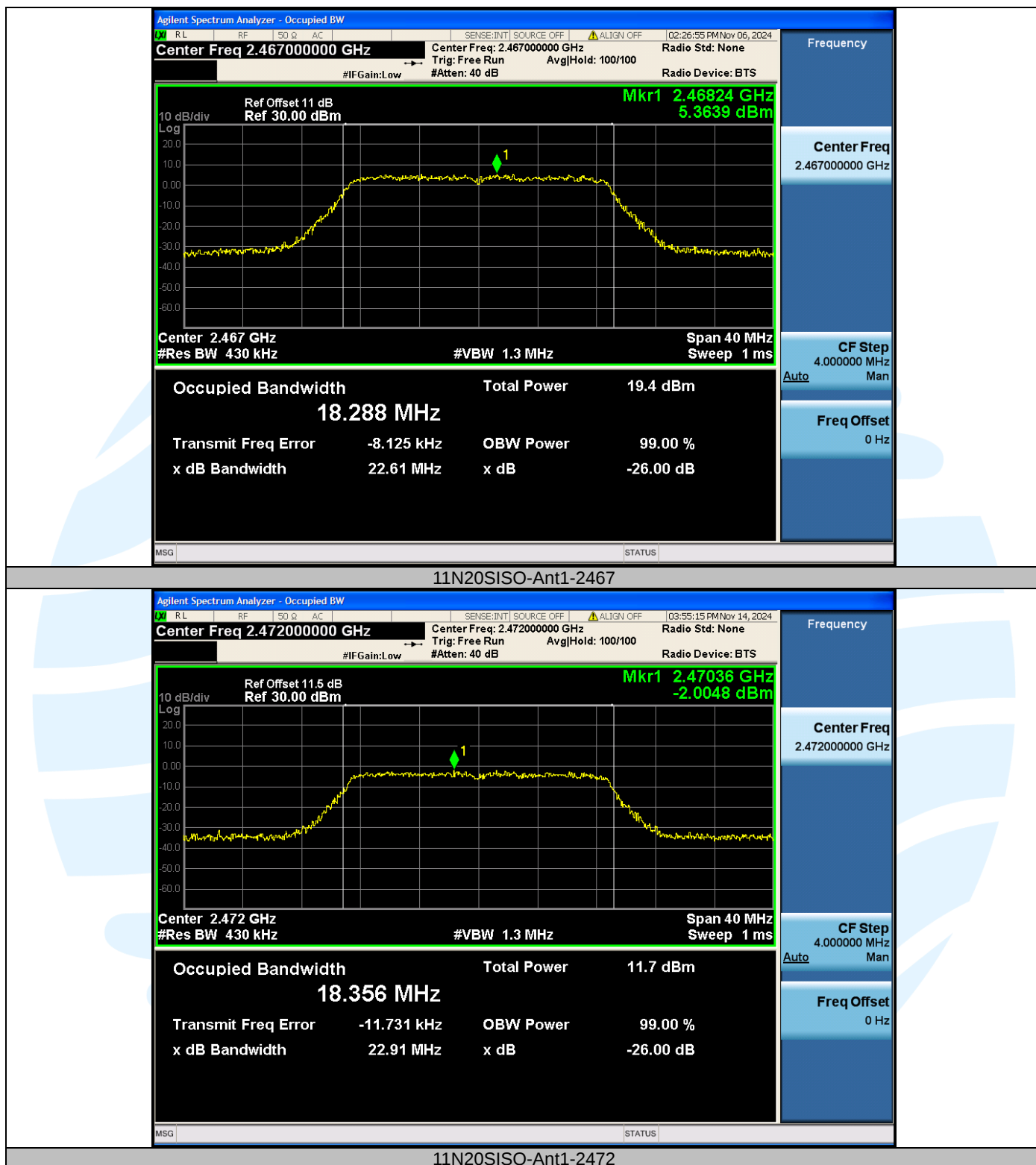
-26.00 dB

MSG

STATUS

11N20SISO-Ant1-2412



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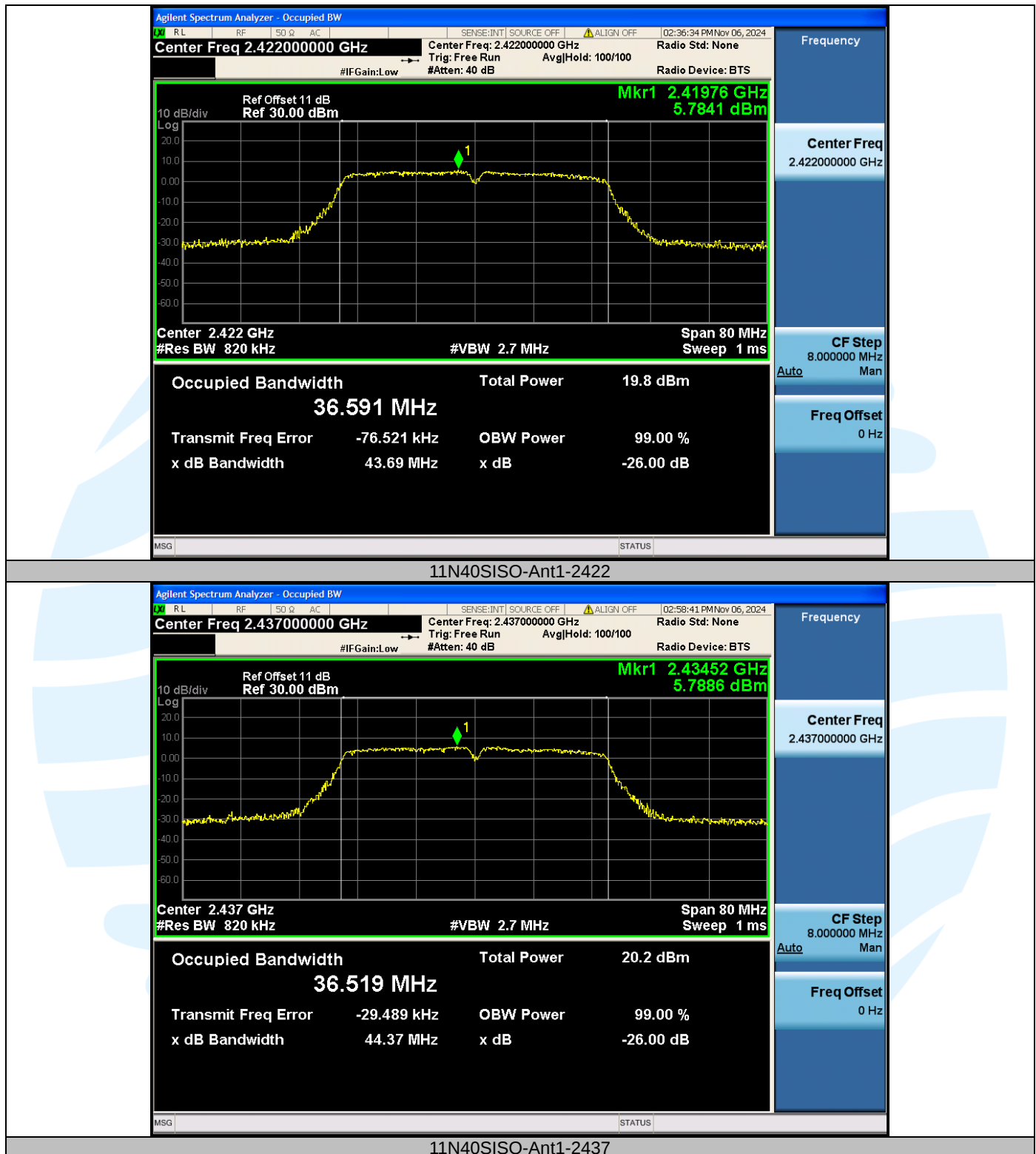
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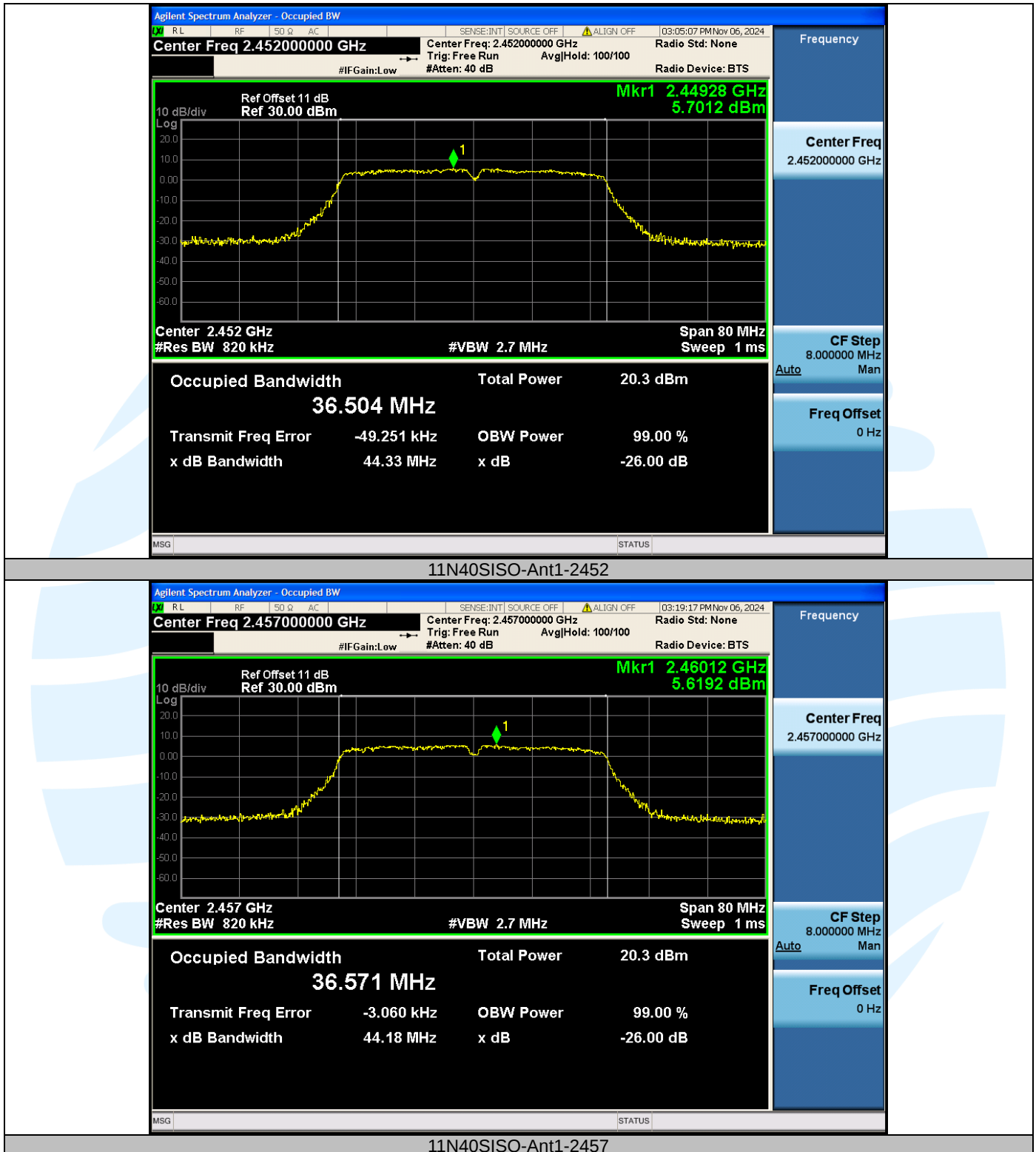
Tel: +86-755-28230888

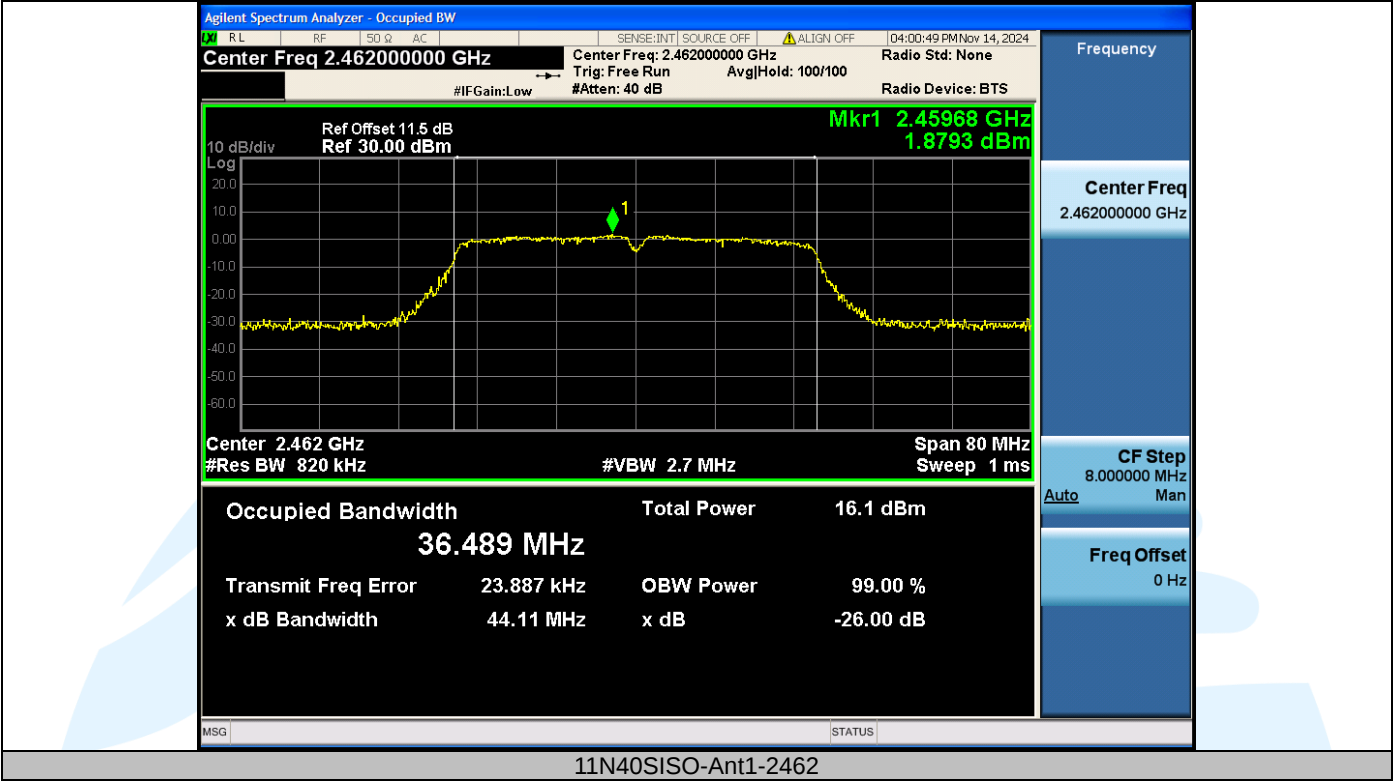
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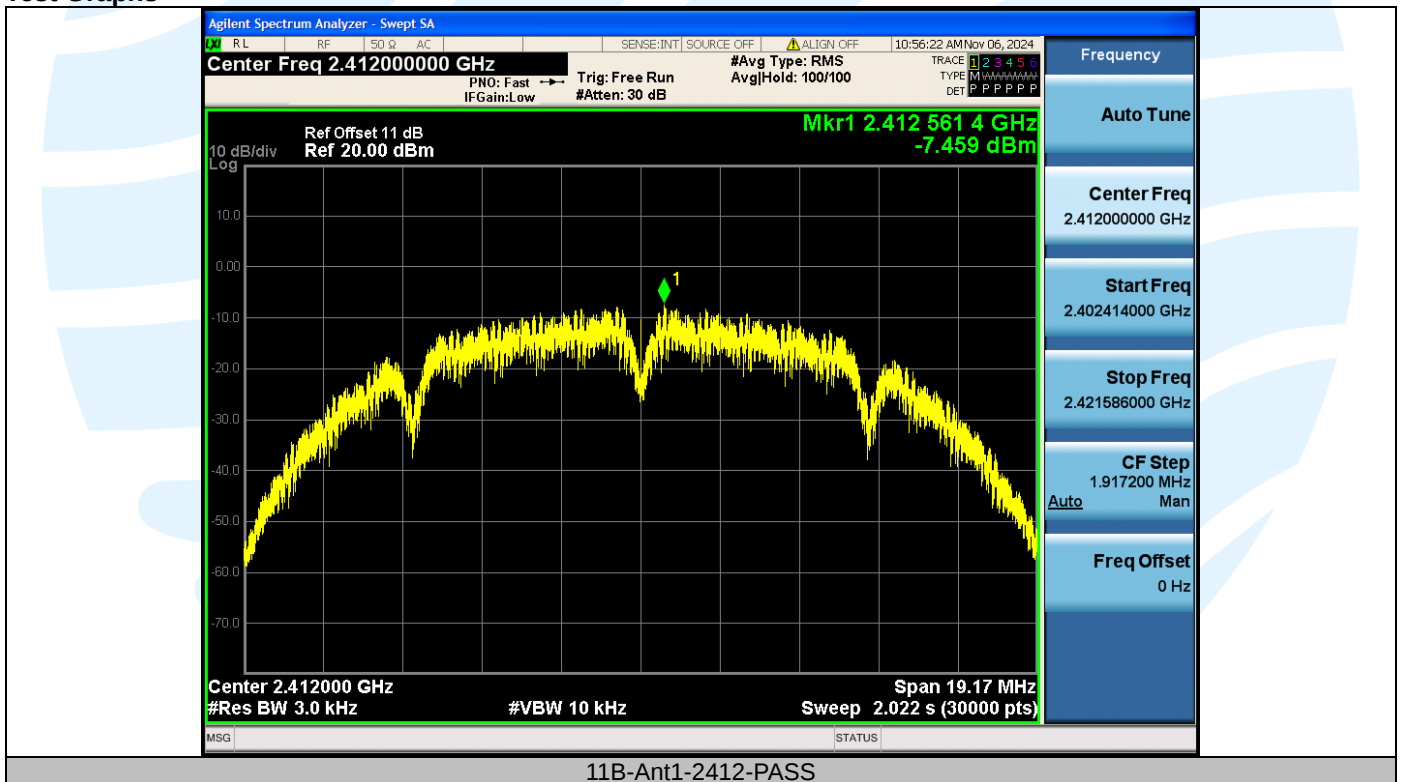


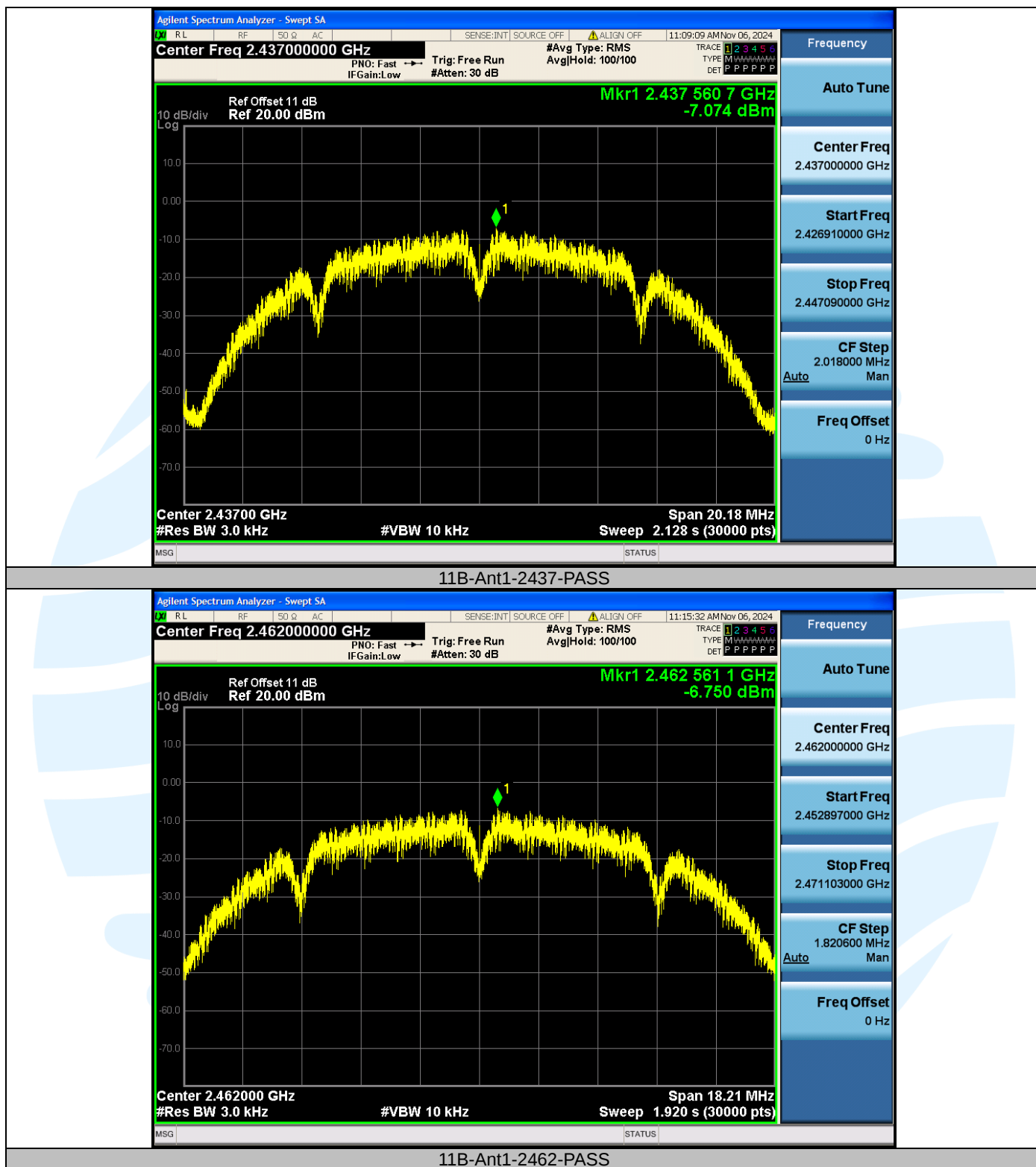


A.3 POWER SPECTRAL DENSITY

Test Mode	Antenna	Frequency [MHz]	Result [dBm/3100kHz]	Limit [dBm/3kHz]	Verdict
11B	Ant1	2412	-7.46	≤8.00	PASS
11B	Ant1	2437	-7.07	≤8.00	PASS
11B	Ant1	2462	-6.75	≤8.00	PASS
11B	Ant1	2467	-7.33	≤8.00	PASS
11B	Ant1	2472	-7.48	≤8.00	PASS
11G	Ant1	2412	-10.80	≤8.00	PASS
11G	Ant1	2437	-10.37	≤8.00	PASS
11G	Ant1	2462	-10.24	≤8.00	PASS
11G	Ant1	2467	-10.80	≤8.00	PASS
11G	Ant1	2472	-19.74	≤8.00	PASS
11N20SISO	Ant1	2412	-12.03	≤8.00	PASS
11N20SISO	Ant1	2437	-11.55	≤8.00	PASS
11N20SISO	Ant1	2462	-11.37	≤8.00	PASS
11N20SISO	Ant1	2467	-11.82	≤8.00	PASS
11N20SISO	Ant1	2472	-19.77	≤8.00	PASS
11N40SISO	Ant1	2422	-13.92	≤8.00	PASS
11N40SISO	Ant1	2437	-13.85	≤8.00	PASS
11N40SISO	Ant1	2452	-13.90	≤8.00	PASS
11N40SISO	Ant1	2457	-13.30	≤8.00	PASS
11N40SISO	Ant1	2462	-17.42	≤8.00	PASS

Test Graphs





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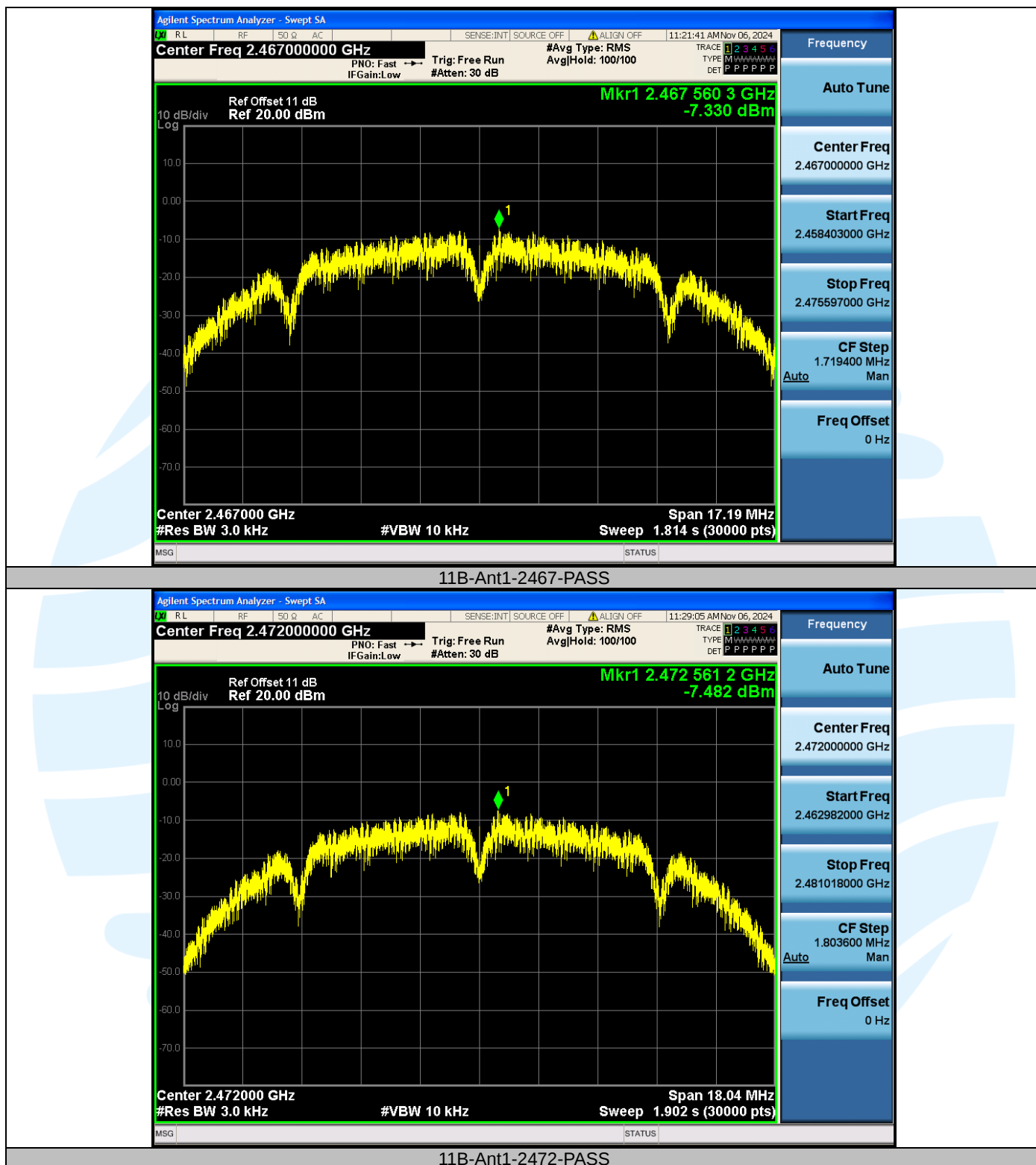
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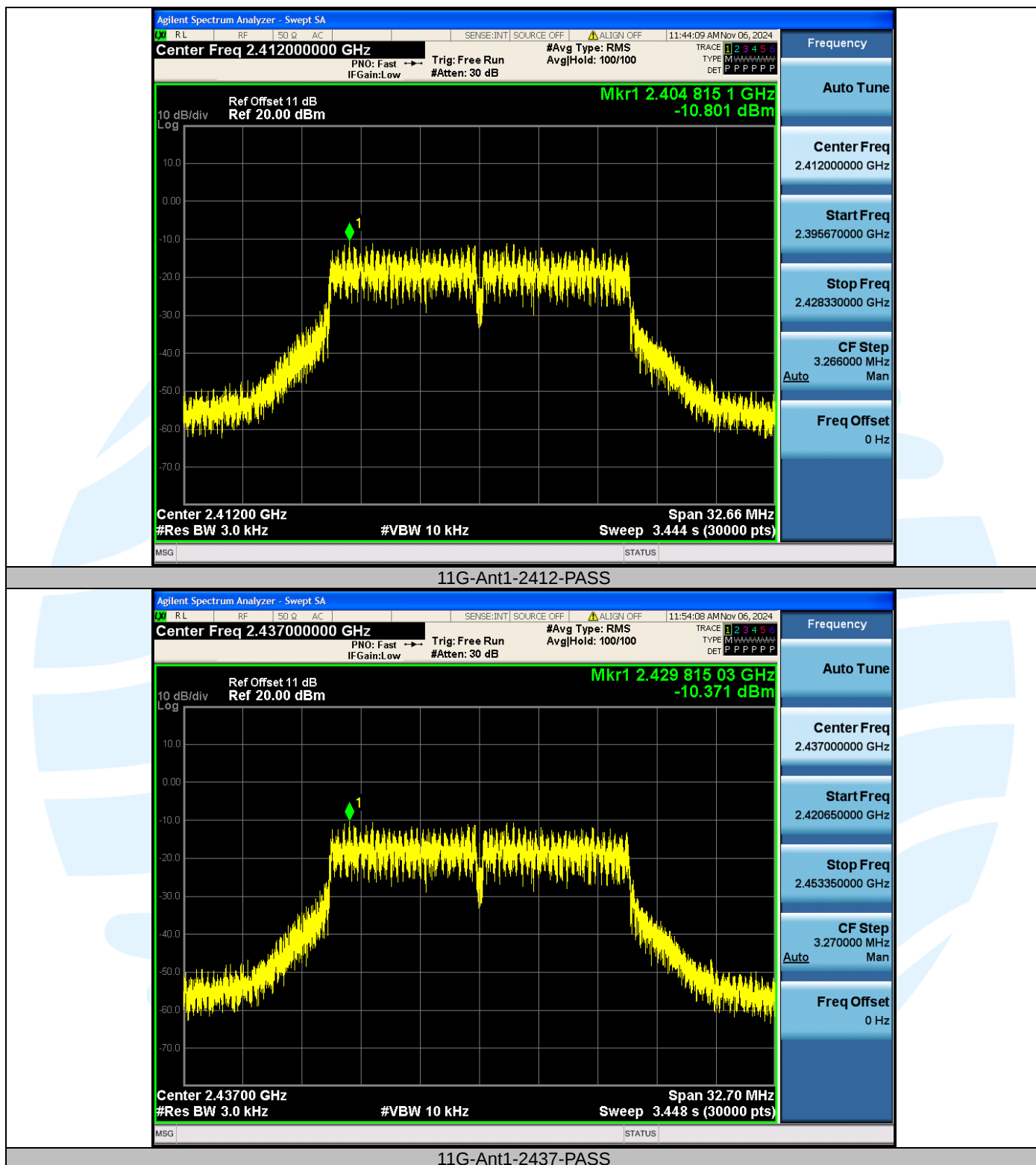
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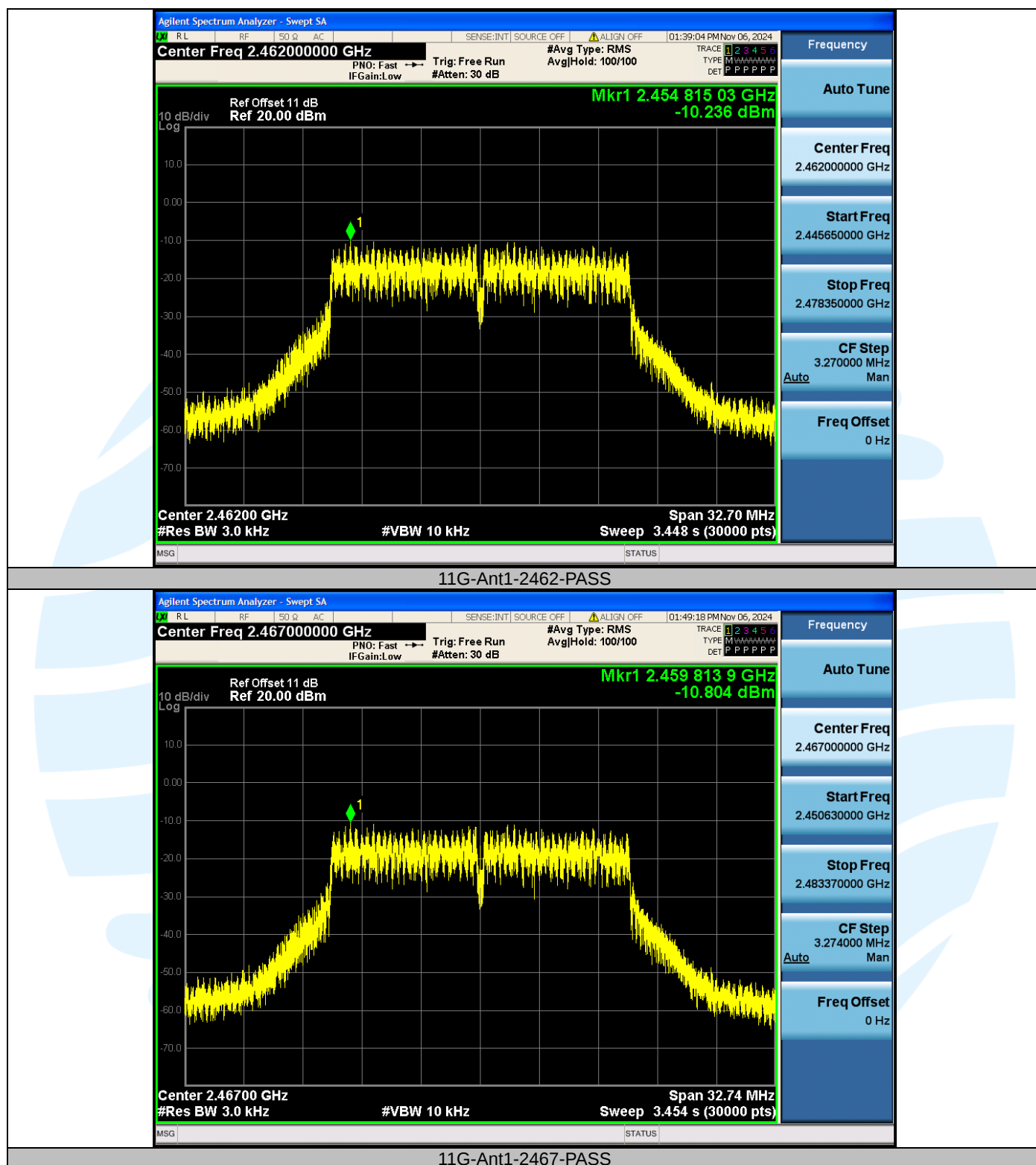
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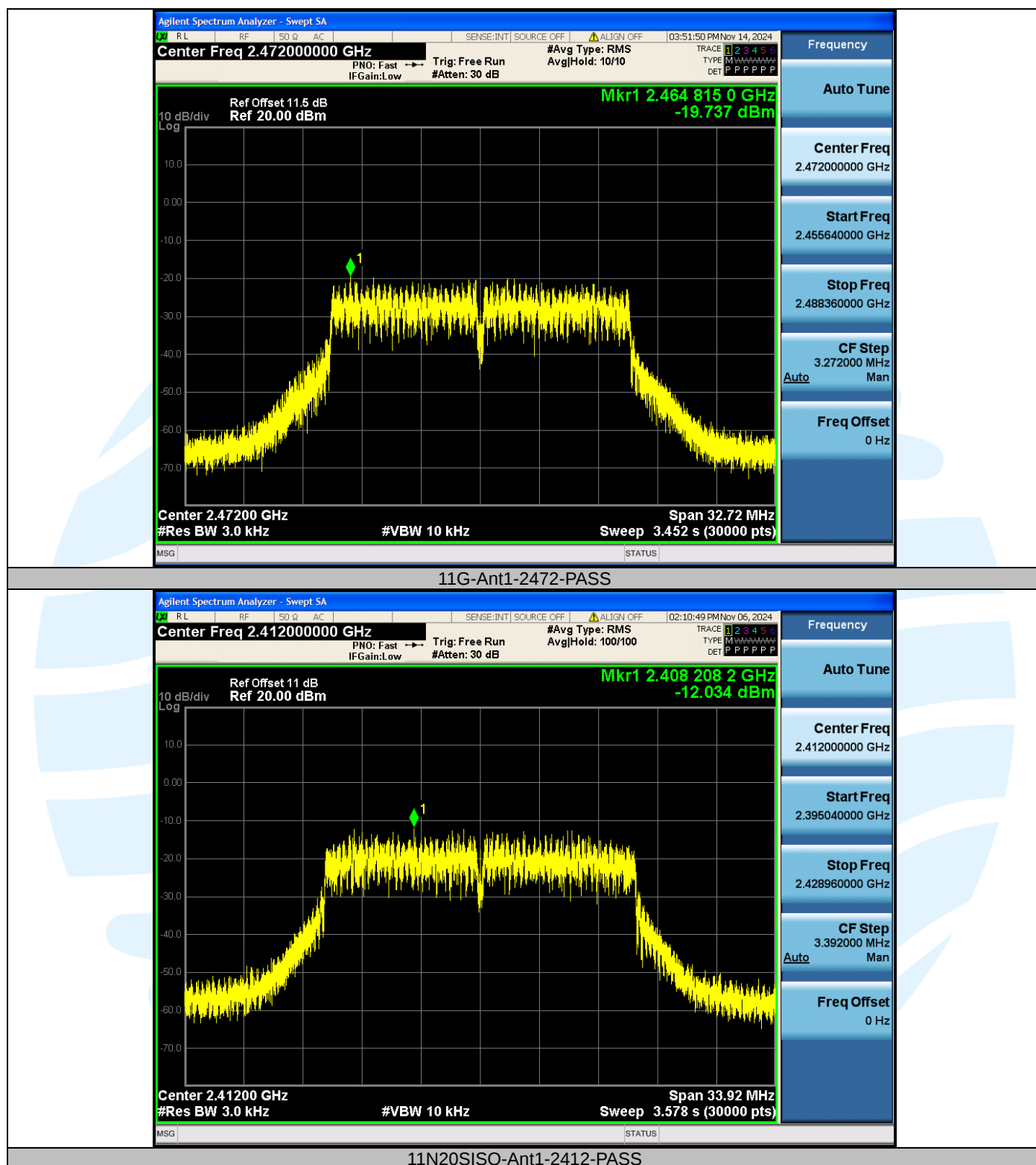
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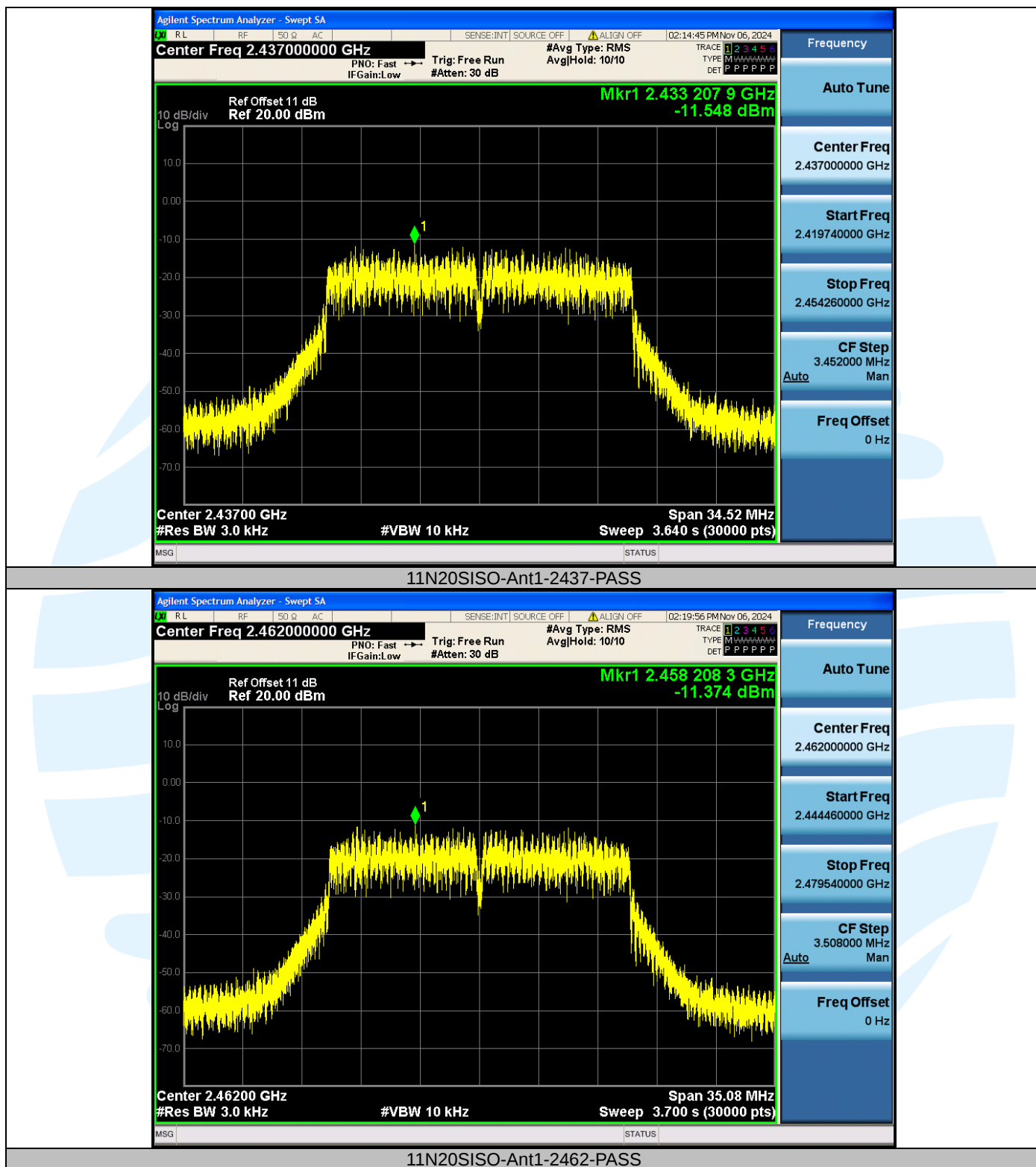
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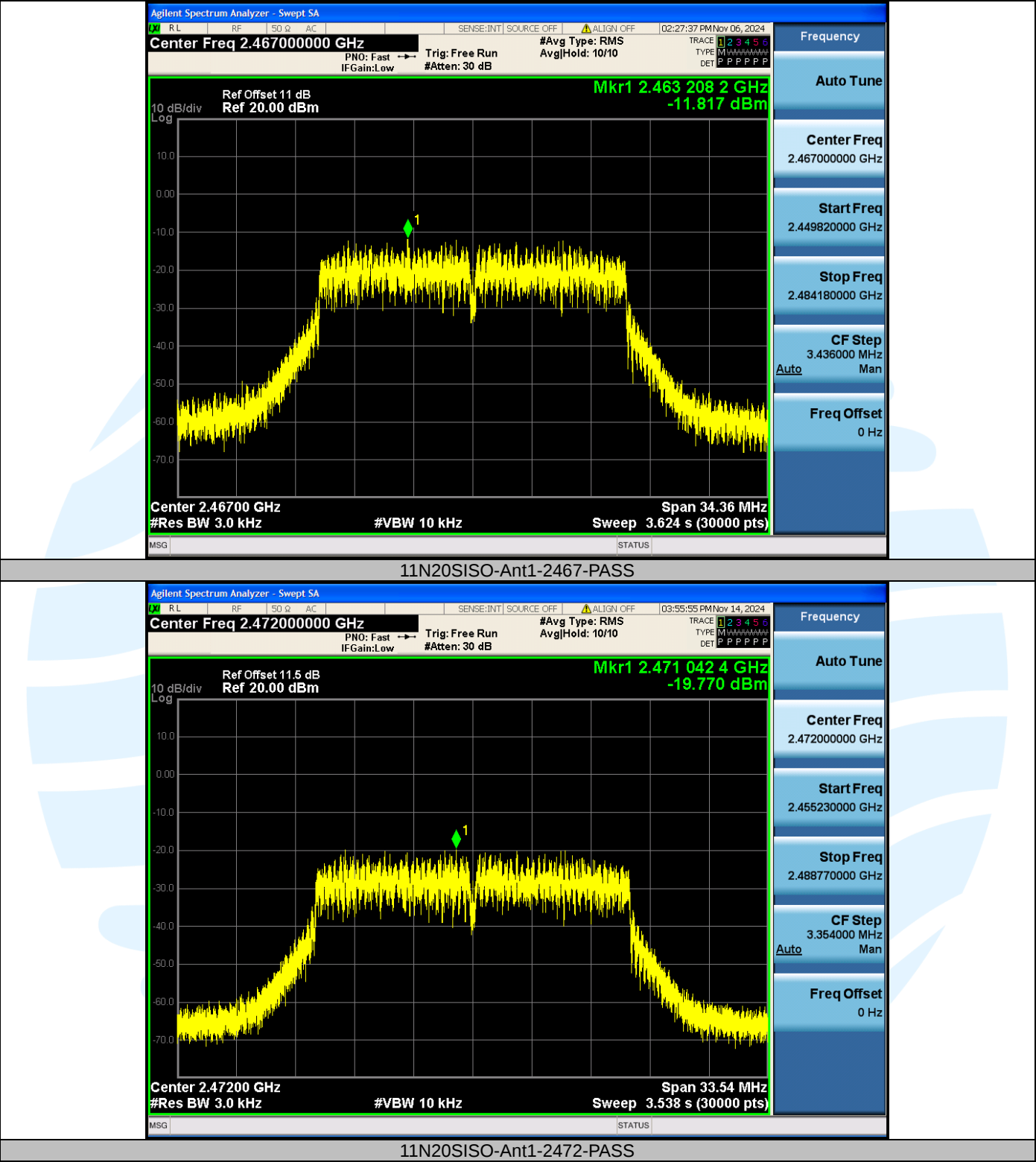
Tel: +86-755-28230888

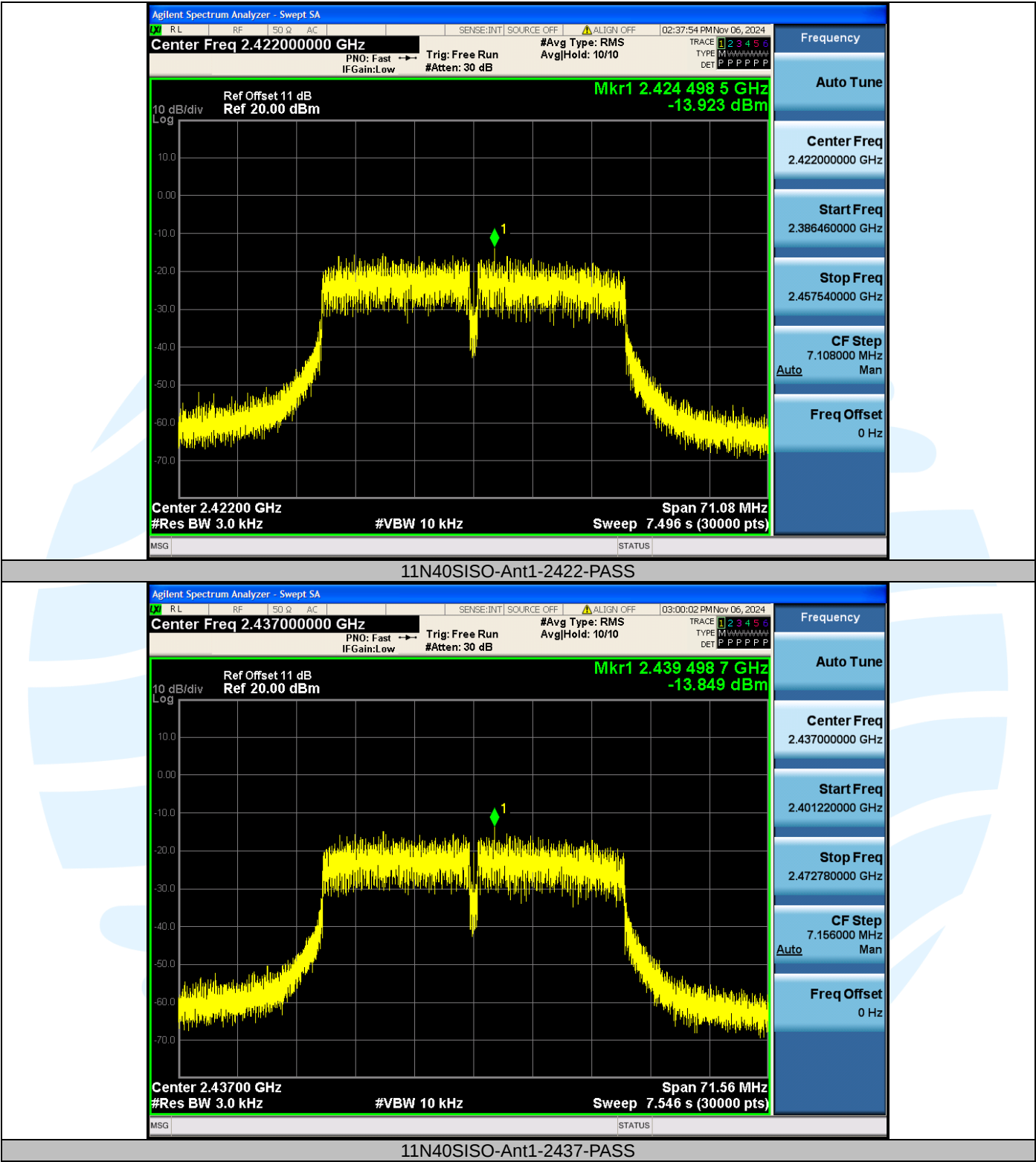
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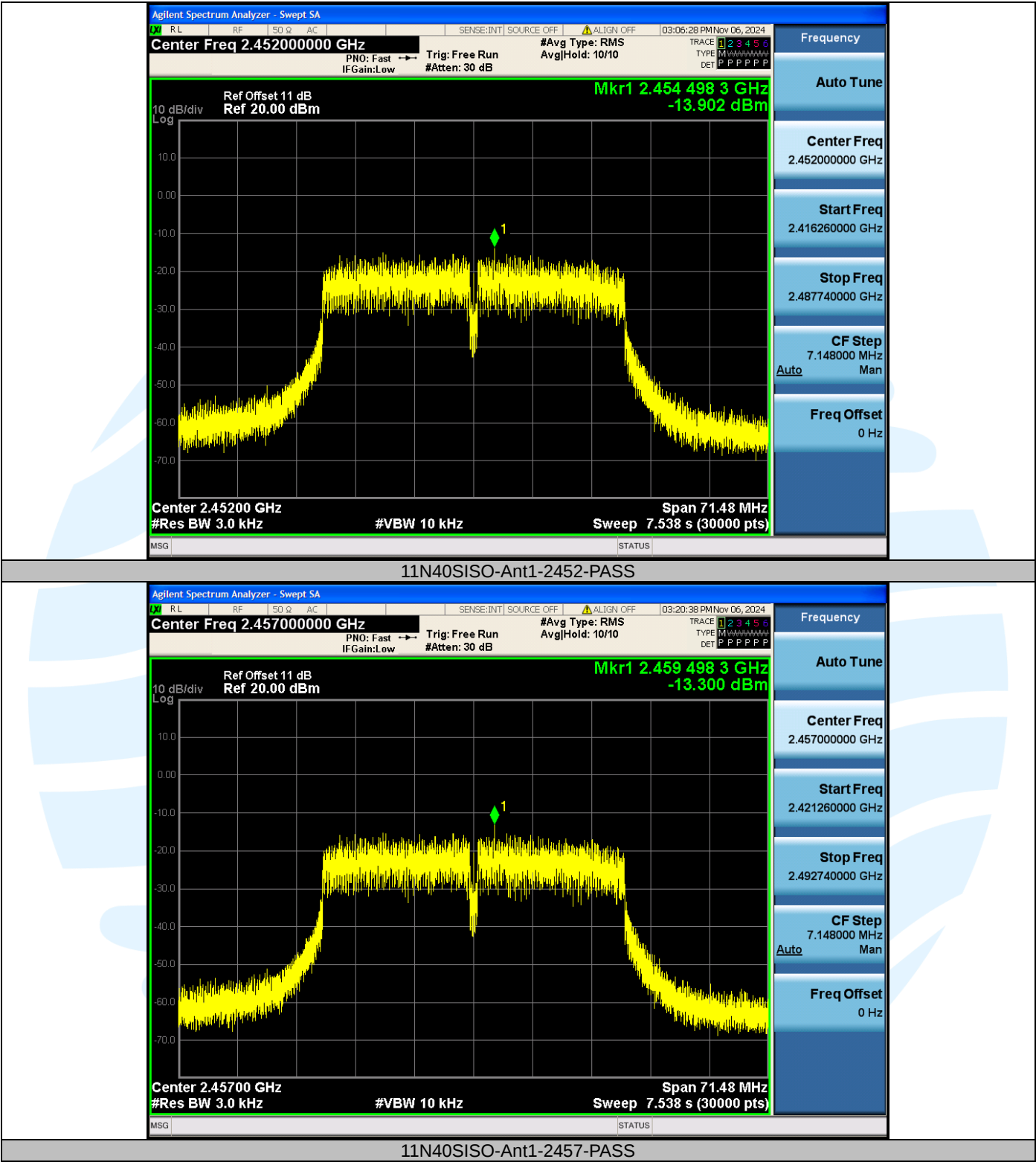
E-mail: info@uttlab.com

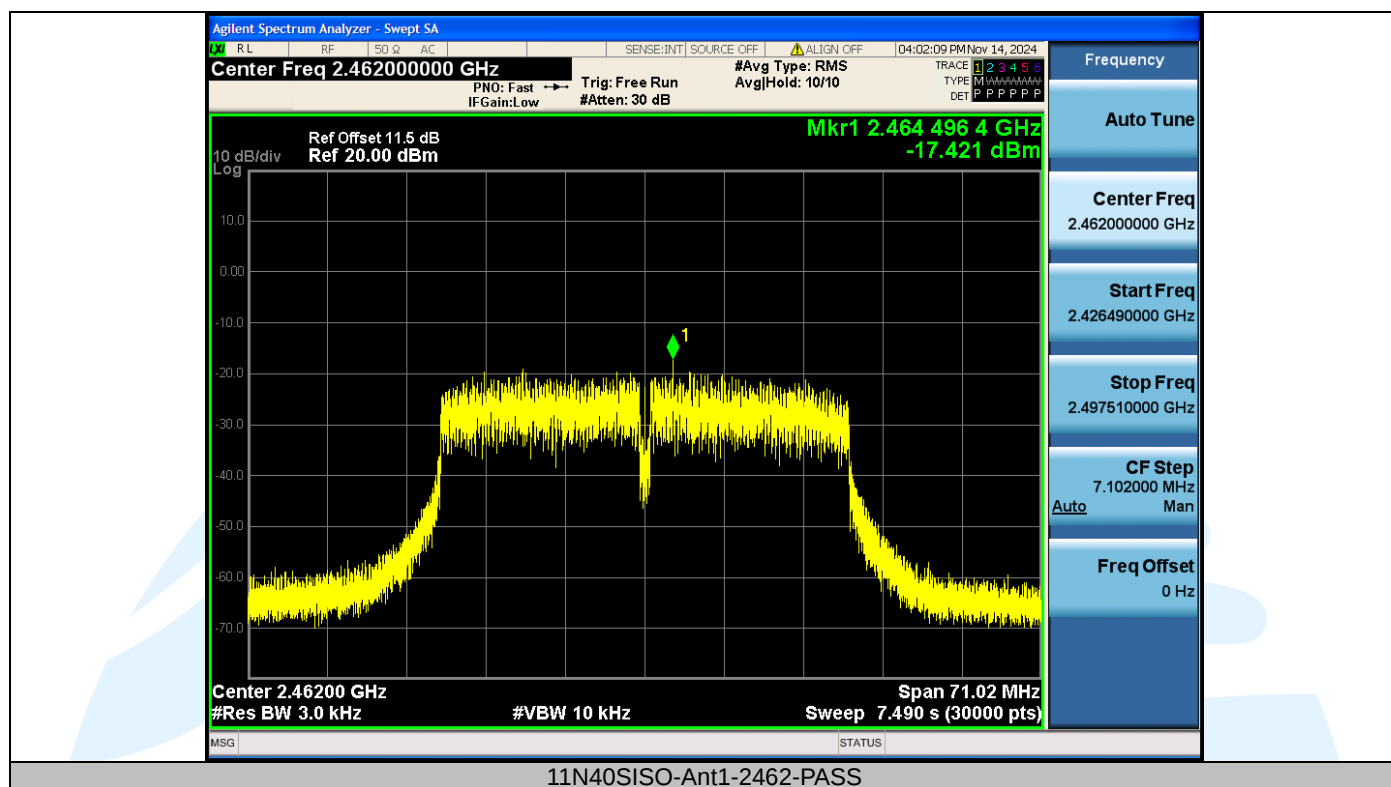
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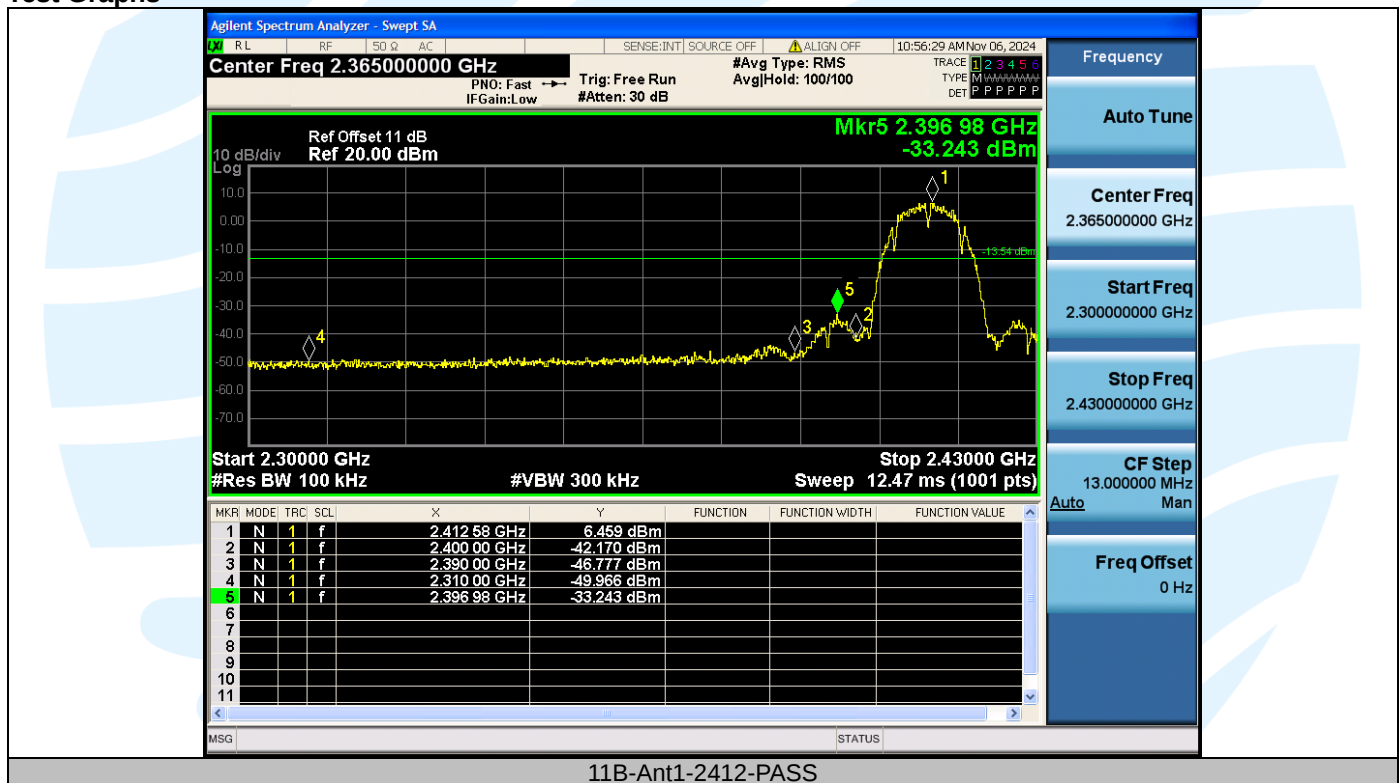
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A.4 OUT OF BAND EMISSION

Test Mode	Antenna	Ch Name	Frequency [MHz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	Low	2412	6.46	-33.24	≤-13.54	PASS
11B	Ant1	High	2462	8.16	-44.64	≤-11.84	PASS
11B	Ant1	High	2467	6.88	-40.31	≤-13.12	PASS
11B	Ant1	High	2472	6.72	-37.9	≤-13.28	PASS
11G	Ant1	Low	2412	3.84	-31.67	≤-16.16	PASS
11G	Ant1	High	2462	4.33	-41.43	≤-15.67	PASS
11G	Ant1	High	2467	3.91	-38.8	≤-16.09	PASS
11G	Ant1	High	2472	-5.62	-40.23	≤-25.62	PASS
11N20SISO	Ant1	Low	2412	2.20	-32.92	≤-17.8	PASS
11N20SISO	Ant1	High	2462	3.00	-41.92	≤-17	PASS
11N20SISO	Ant1	High	2467	2.67	-38.4	≤-17.34	PASS
11N20SISO	Ant1	High	2472	-5.19	-40.41	≤-25.19	PASS
11N40SISO	Ant1	Low	2422	-0.96	-29.69	≤-20.96	PASS
11N40SISO	Ant1	High	2452	-0.56	-40.74	≤-20.56	PASS
11N40SISO	Ant1	High	2457	-0.27	-38.84	≤-20.27	PASS
11N40SISO	Ant1	High	2462	-4.67	-35.48	≤-24.67	PASS

Test Graphs



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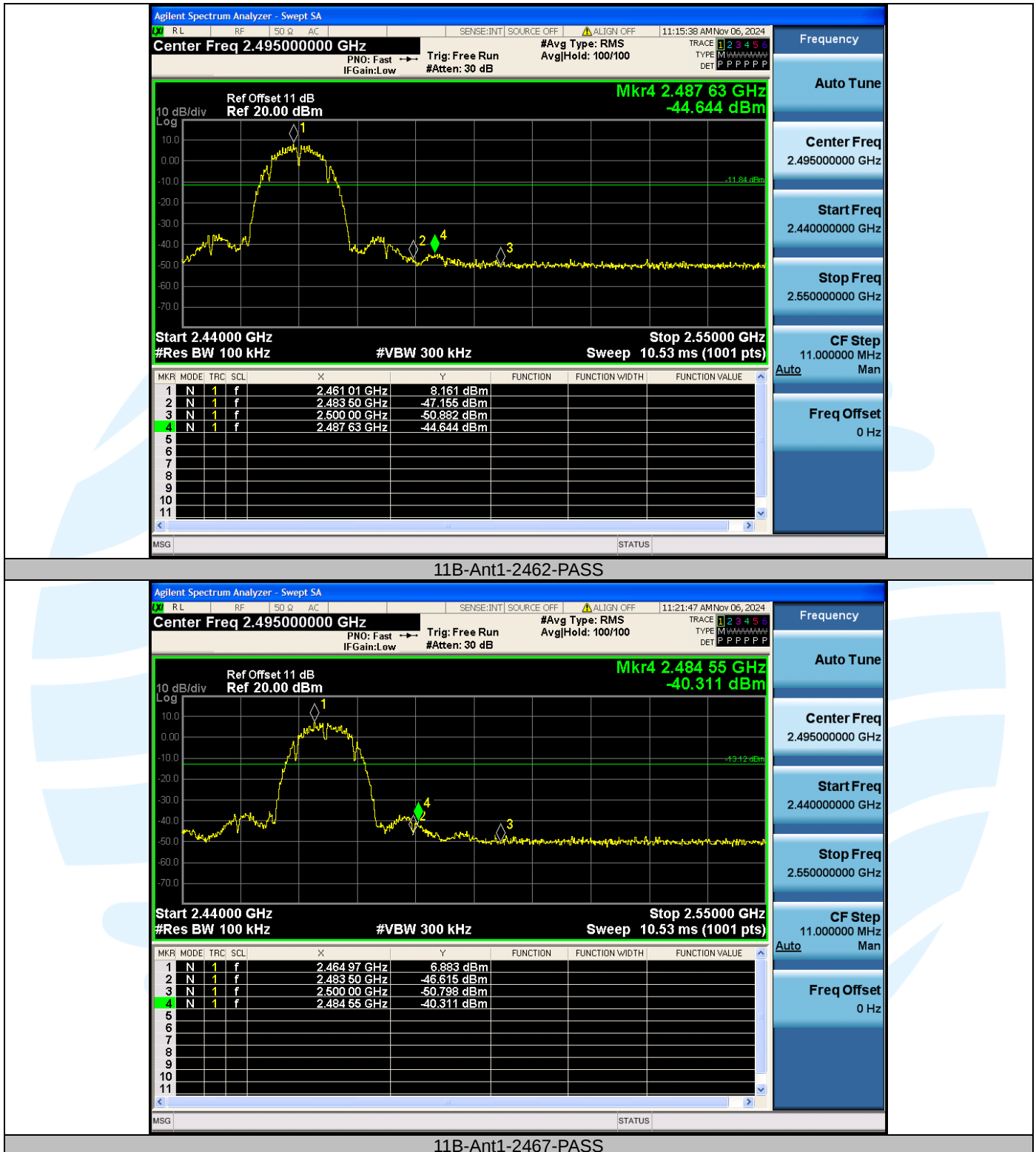
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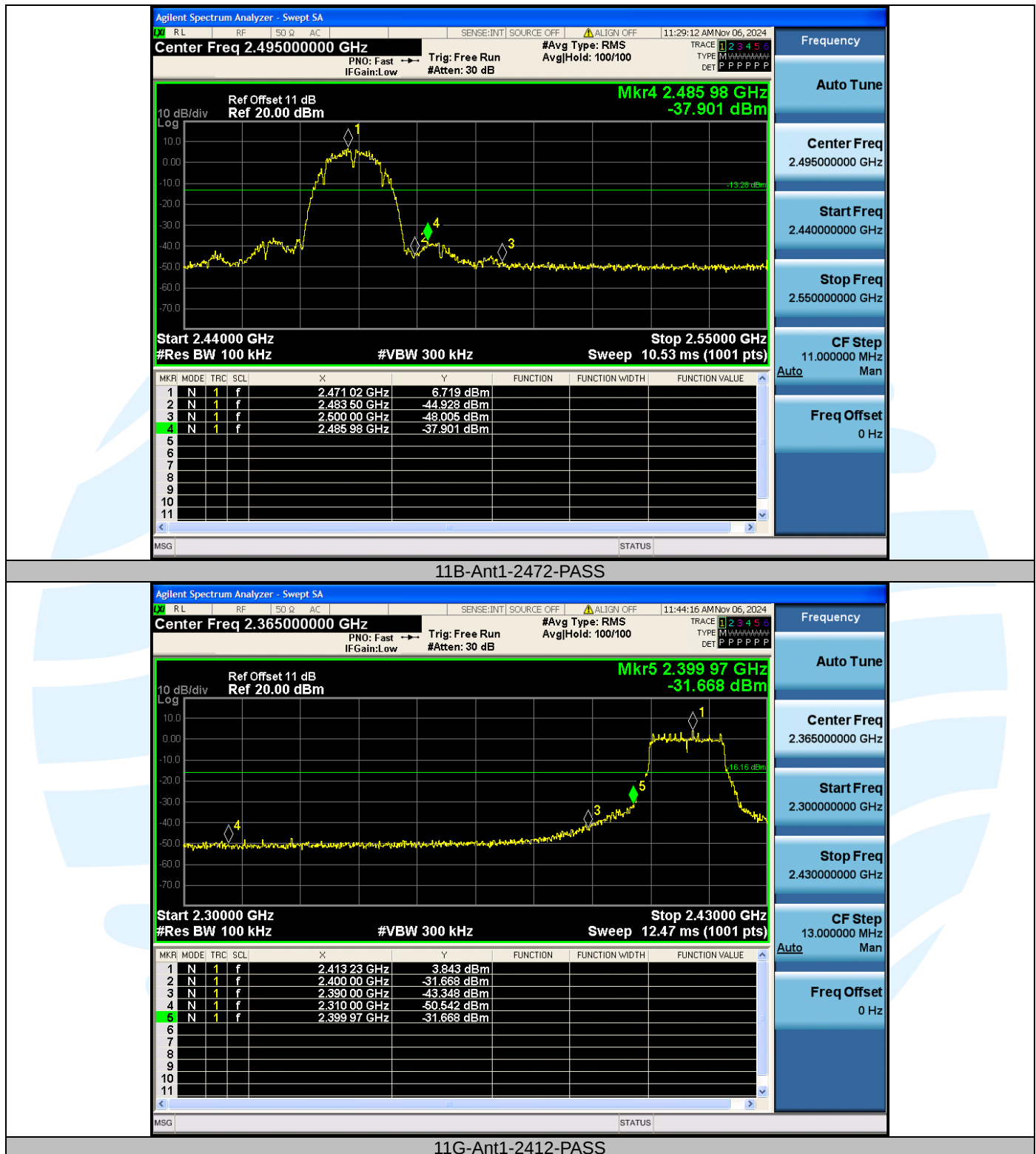
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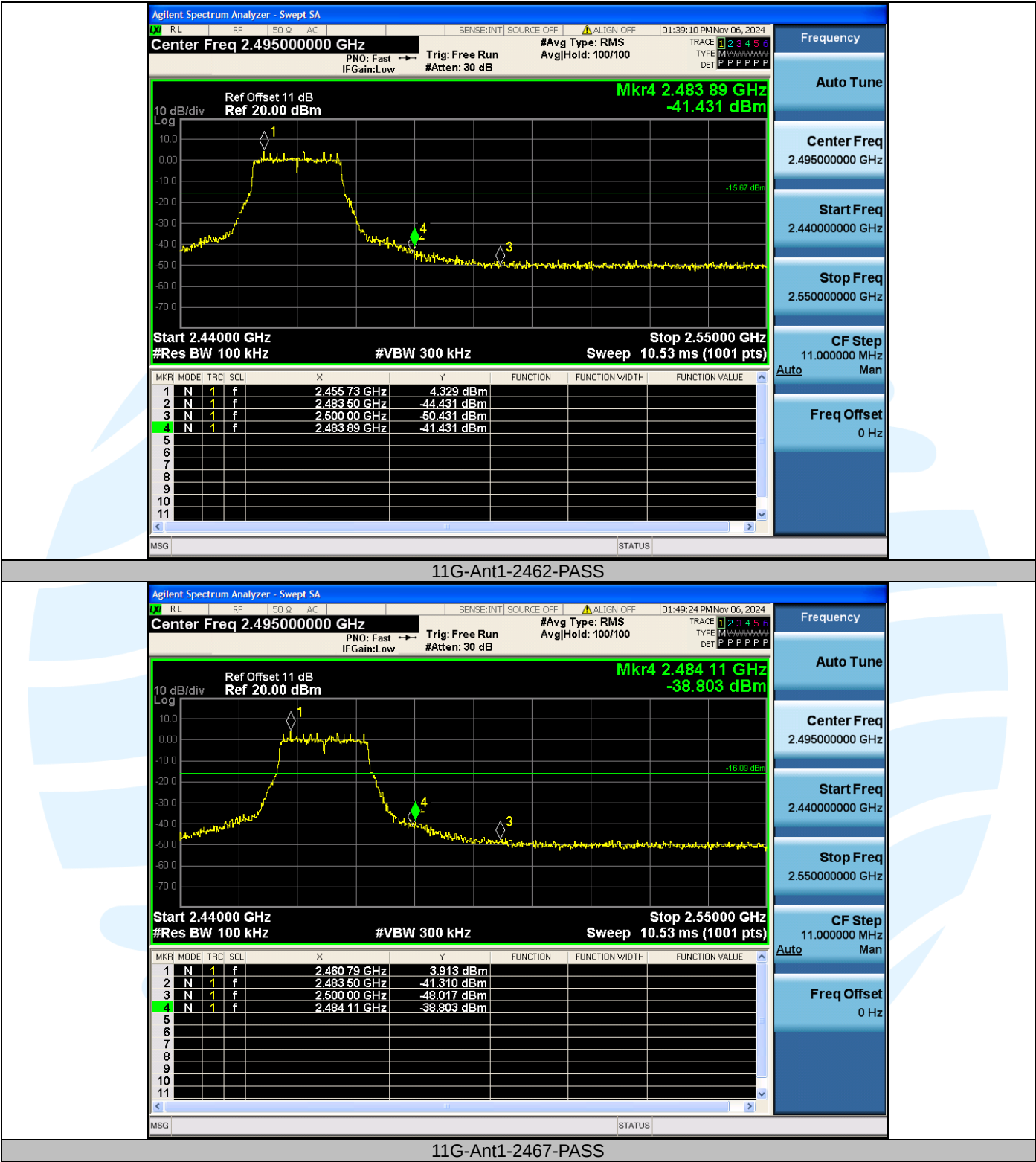
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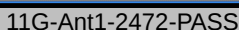
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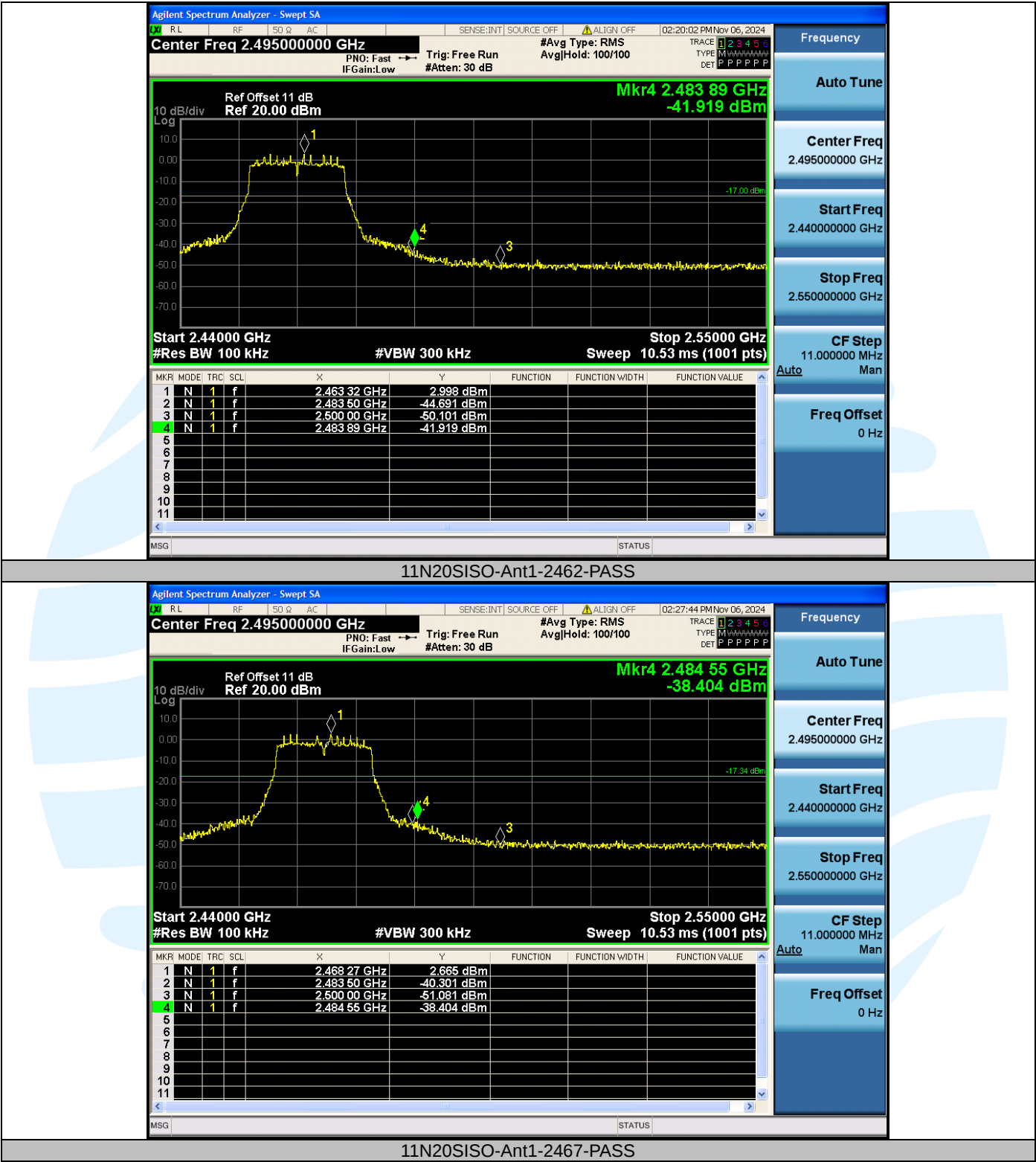
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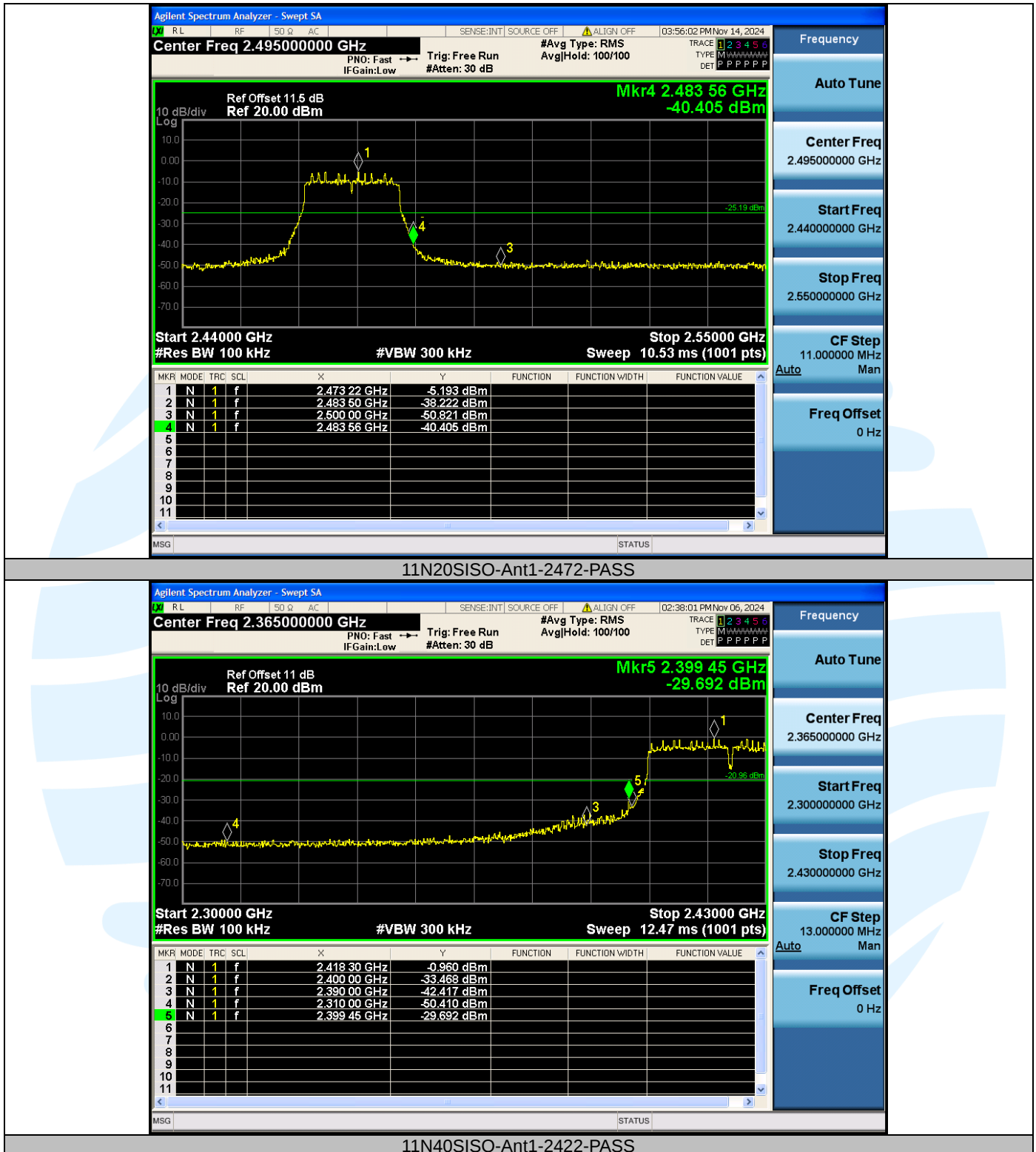
11G-Ant1-2467-PASS



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11N20SISO-Ant1-2467-PASS

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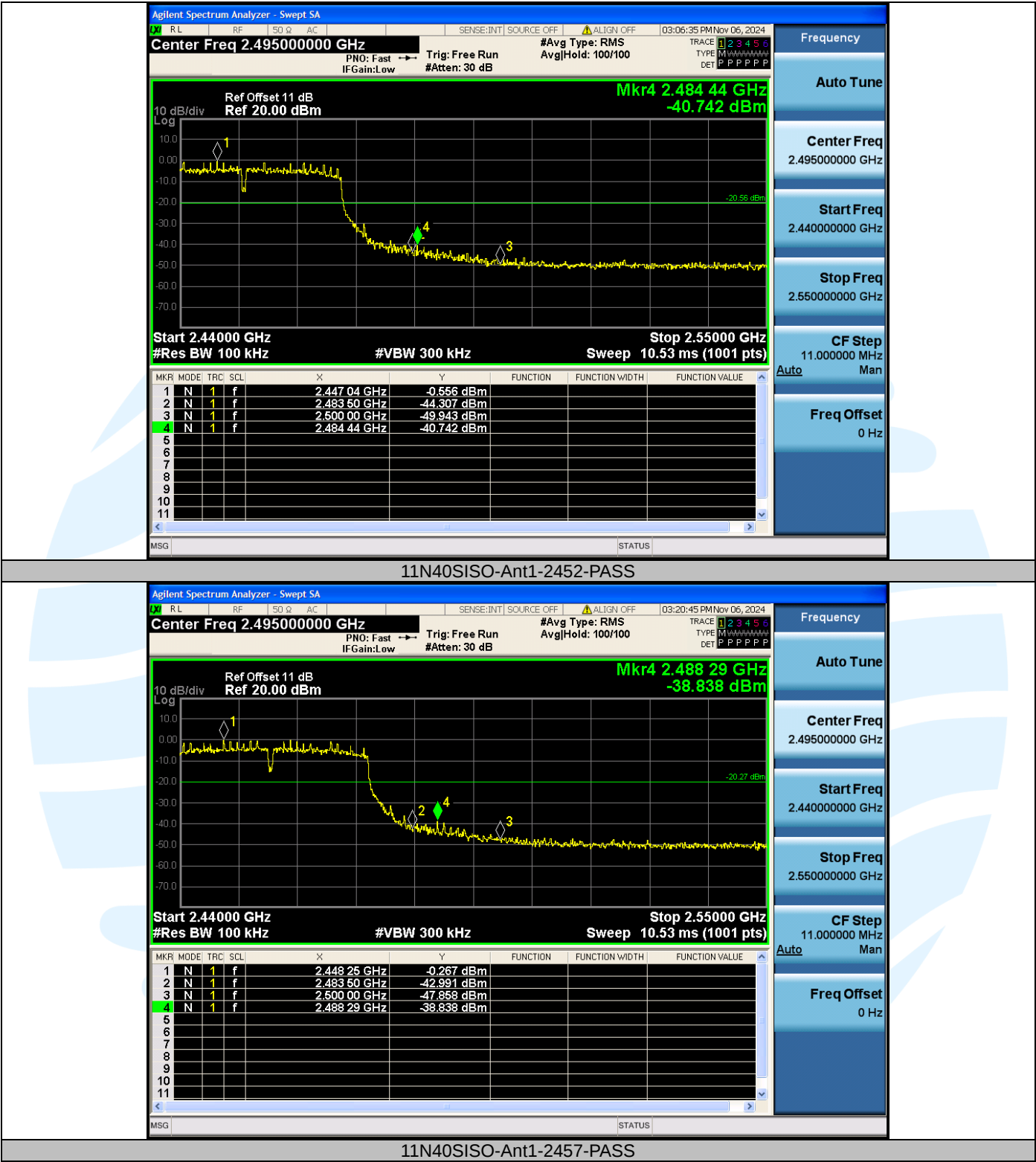
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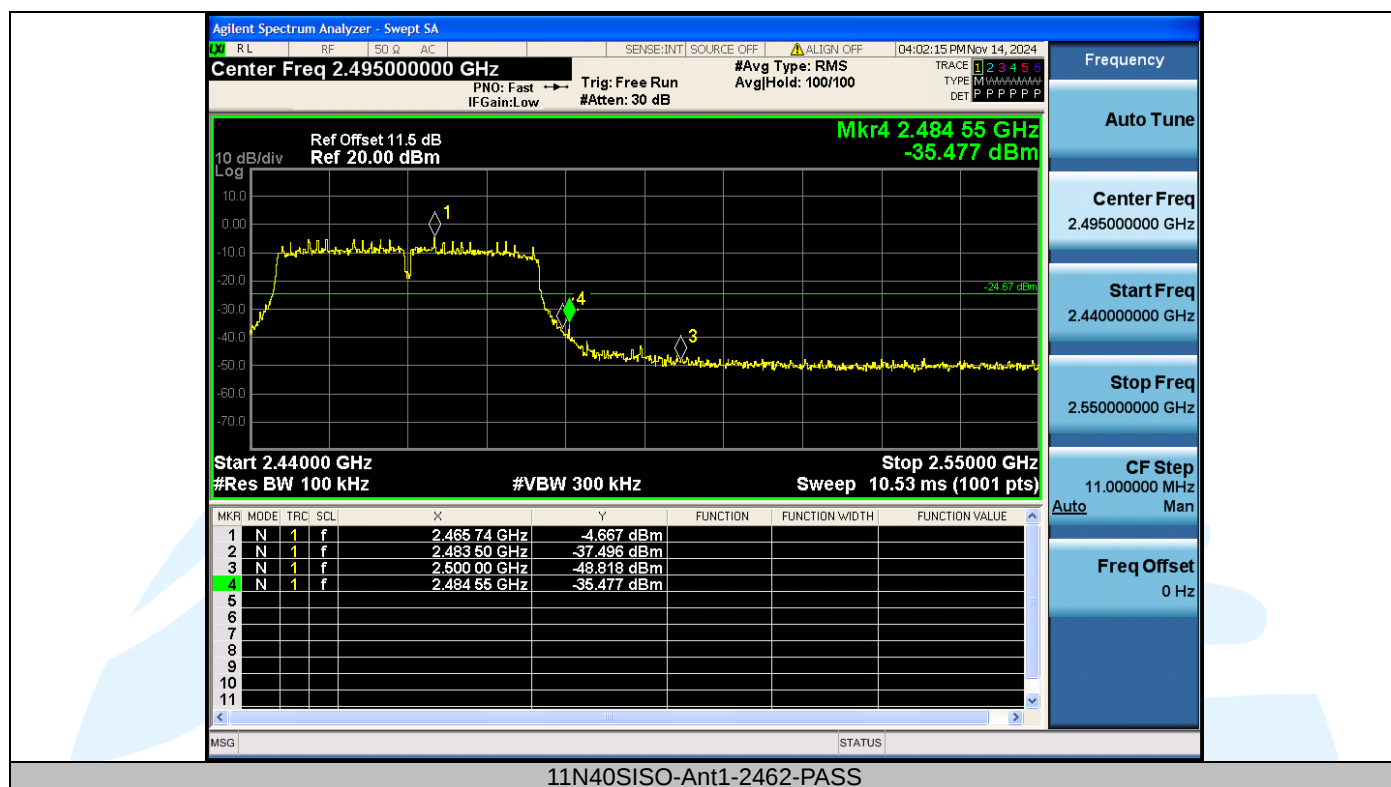
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11N40SISO-Ant1-2457-PASS



A.5 CONDUCTED SPURIOUS EMISSION

Test Mode	Antenna	Frequency [MHz]	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	0~Reference	6.58	6.58	---	PASS
11B	Ant1	2412	30~1000	6.58	-58.91	≤-13.42	PASS
11B	Ant1	2412	1000~26500	6.58	-47.71	≤-13.42	PASS
11B	Ant1	2437	0~Reference	6.07	6.07	---	PASS
11B	Ant1	2437	30~1000	6.07	-59.32	≤-13.93	PASS
11B	Ant1	2437	1000~26500	6.07	-47.02	≤-13.93	PASS
11B	Ant1	2462	0~Reference	6.41	6.41	---	PASS
11B	Ant1	2462	30~1000	6.41	-59.15	≤-13.59	PASS
11B	Ant1	2462	1000~26500	6.41	-46.44	≤-13.59	PASS
11B	Ant1	2467	0~Reference	7.51	7.51	---	PASS
11B	Ant1	2467	30~1000	7.51	-58.7	≤-12.49	PASS
11B	Ant1	2467	1000~26500	7.51	-47.67	≤-12.49	PASS
11B	Ant1	2472	0~Reference	7.48	7.48	---	PASS
11B	Ant1	2472	30~1000	7.48	-58.68	≤-12.52	PASS
11B	Ant1	2472	1000~26500	7.48	-47.11	≤-12.52	PASS
11G	Ant1	2412	0~Reference	3.27	3.27	---	PASS
11G	Ant1	2412	30~1000	3.27	-59.4	≤-16.73	PASS
11G	Ant1	2412	1000~26500	3.27	-47.24	≤-16.73	PASS
11G	Ant1	2437	0~Reference	3.43	3.43	---	PASS
11G	Ant1	2437	30~1000	3.43	-59.5	≤-16.57	PASS
11G	Ant1	2437	1000~26500	3.43	-47.72	≤-16.57	PASS
11G	Ant1	2462	0~Reference	2.91	2.91	---	PASS
11G	Ant1	2462	30~1000	2.91	-59.99	≤-17.09	PASS
11G	Ant1	2462	1000~26500	2.91	-47.17	≤-17.09	PASS
11G	Ant1	2467	0~Reference	3.48	3.48	---	PASS
11G	Ant1	2467	30~1000	3.48	-59.07	≤-16.52	PASS
11G	Ant1	2467	1000~26500	3.48	-47.04	≤-16.52	PASS
11G	Ant1	2472	0~Reference	-5.27	-5.27	---	PASS
11G	Ant1	2472	30~1000	-5.27	-59.42	≤-25.27	PASS
11G	Ant1	2472	1000~26500	-5.27	-46.66	≤-25.27	PASS
11N20SISO	Ant1	2412	0~Reference	1.85	1.85	---	PASS
11N20SISO	Ant1	2412	30~1000	1.85	-59.63	≤-18.15	PASS
11N20SISO	Ant1	2412	1000~26500	1.85	-47	≤-18.15	PASS
11N20SISO	Ant1	2437	0~Reference	1.91	1.91	---	PASS
11N20SISO	Ant1	2437	30~1000	1.91	-59.55	≤-18.09	PASS
11N20SISO	Ant1	2437	1000~26500	1.91	-47.18	≤-18.09	PASS
11N20SISO	Ant1	2462	0~Reference	2.54	2.54	---	PASS
11N20SISO	Ant1	2462	30~1000	2.54	-60.02	≤-17.46	PASS
11N20SISO	Ant1	2462	1000~26500	2.54	-47.85	≤-17.46	PASS
11N20SISO	Ant1	2467	0~Reference	1.59	1.59	---	PASS
11N20SISO	Ant1	2467	30~1000	1.59	-59.77	≤-18.41	PASS
11N20SISO	Ant1	2467	1000~26500	1.59	-46.88	≤-18.41	PASS
11N20SISO	Ant1	2472	0~Reference	-5.45	-5.45	---	PASS
11N20SISO	Ant1	2472	30~1000	-5.45	-59.18	≤-25.45	PASS
11N20SISO	Ant1	2472	1000~26500	-5.45	-47.27	≤-25.45	PASS
11N40SISO	Ant1	2422	0~Reference	-1.54	-1.54	---	PASS
11N40SISO	Ant1	2422	30~1000	-1.54	-57.77	≤-21.54	PASS
11N40SISO	Ant1	2422	1000~26500	-1.54	-46.66	≤-21.54	PASS
11N40SISO	Ant1	2437	0~Reference	-0.84	-0.84	---	PASS
11N40SISO	Ant1	2437	30~1000	-0.84	-57.42	≤-20.84	PASS
11N40SISO	Ant1	2437	1000~26500	-0.84	-47.36	≤-20.84	PASS
11N40SISO	Ant1	2452	0~Reference	-0.89	-0.89	---	PASS
11N40SISO	Ant1	2452	30~1000	-0.89	-55.65	≤-20.89	PASS
11N40SISO	Ant1	2452	1000~26500	-0.89	-47.42	≤-20.89	PASS
11N40SISO	Ant1	2457	0~Reference	-1.53	-1.53	---	PASS
11N40SISO	Ant1	2457	30~1000	-1.53	-54.12	≤-21.53	PASS
11N40SISO	Ant1	2457	1000~26500	-1.53	-46.83	≤-21.53	PASS
11N40SISO	Ant1	2462	0~Reference	-5.78	-5.78	---	PASS
11N40SISO	Ant1	2462	30~1000	-5.78	-58.66	≤-25.78	PASS
11N40SISO	Ant1	2462	1000~26500	-5.78	-46.41	≤-25.78	PASS

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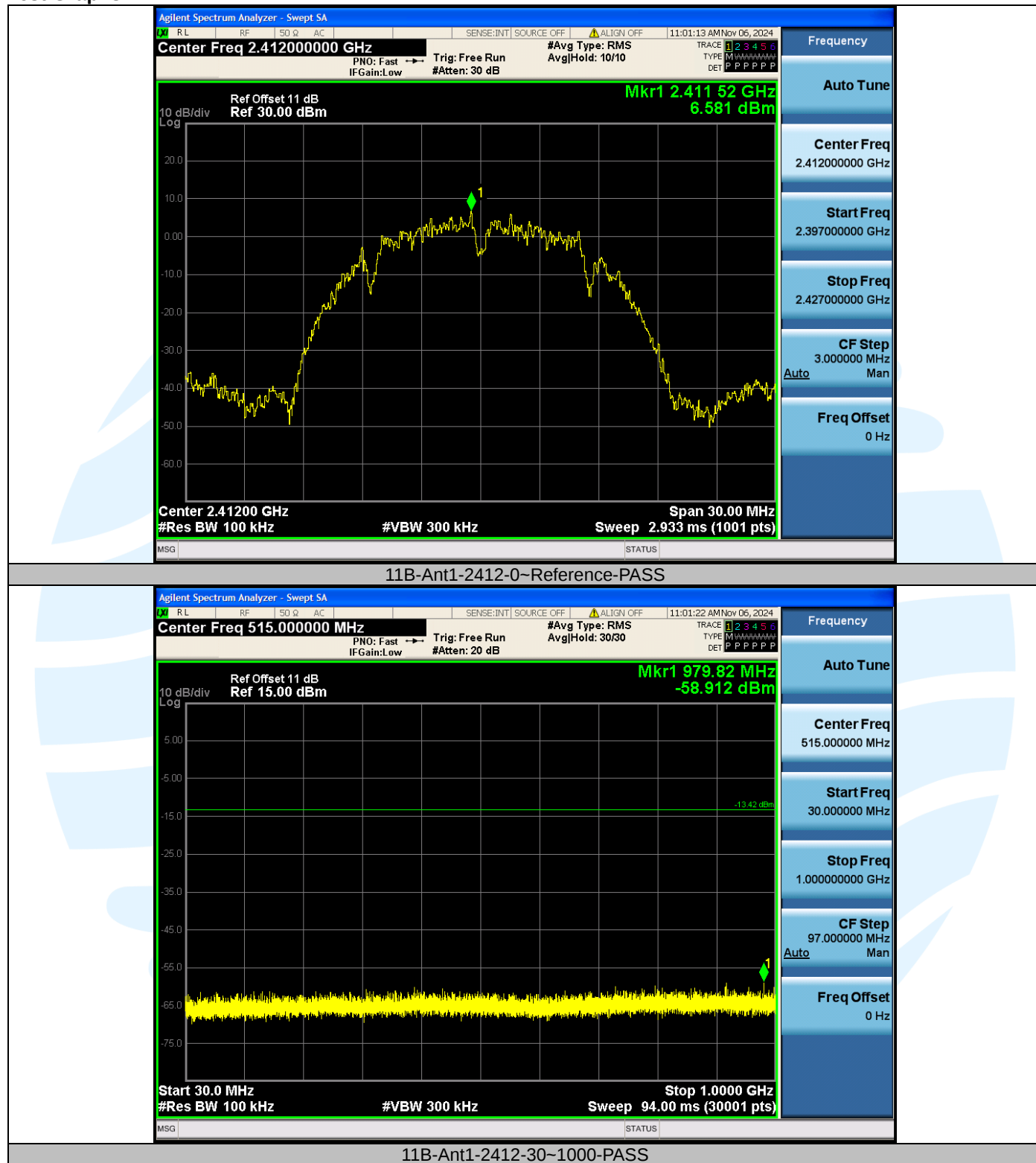
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Test Graphs



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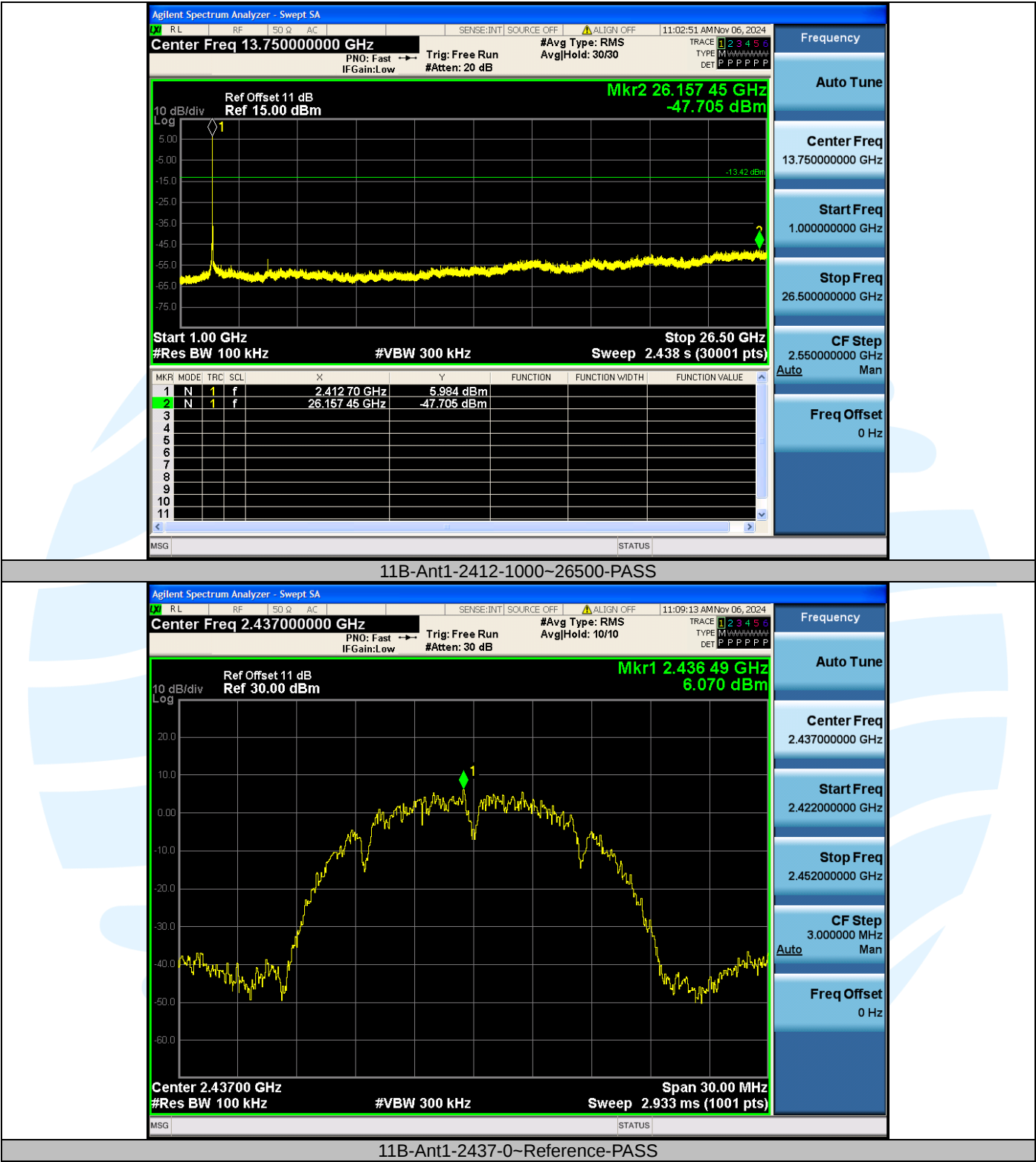
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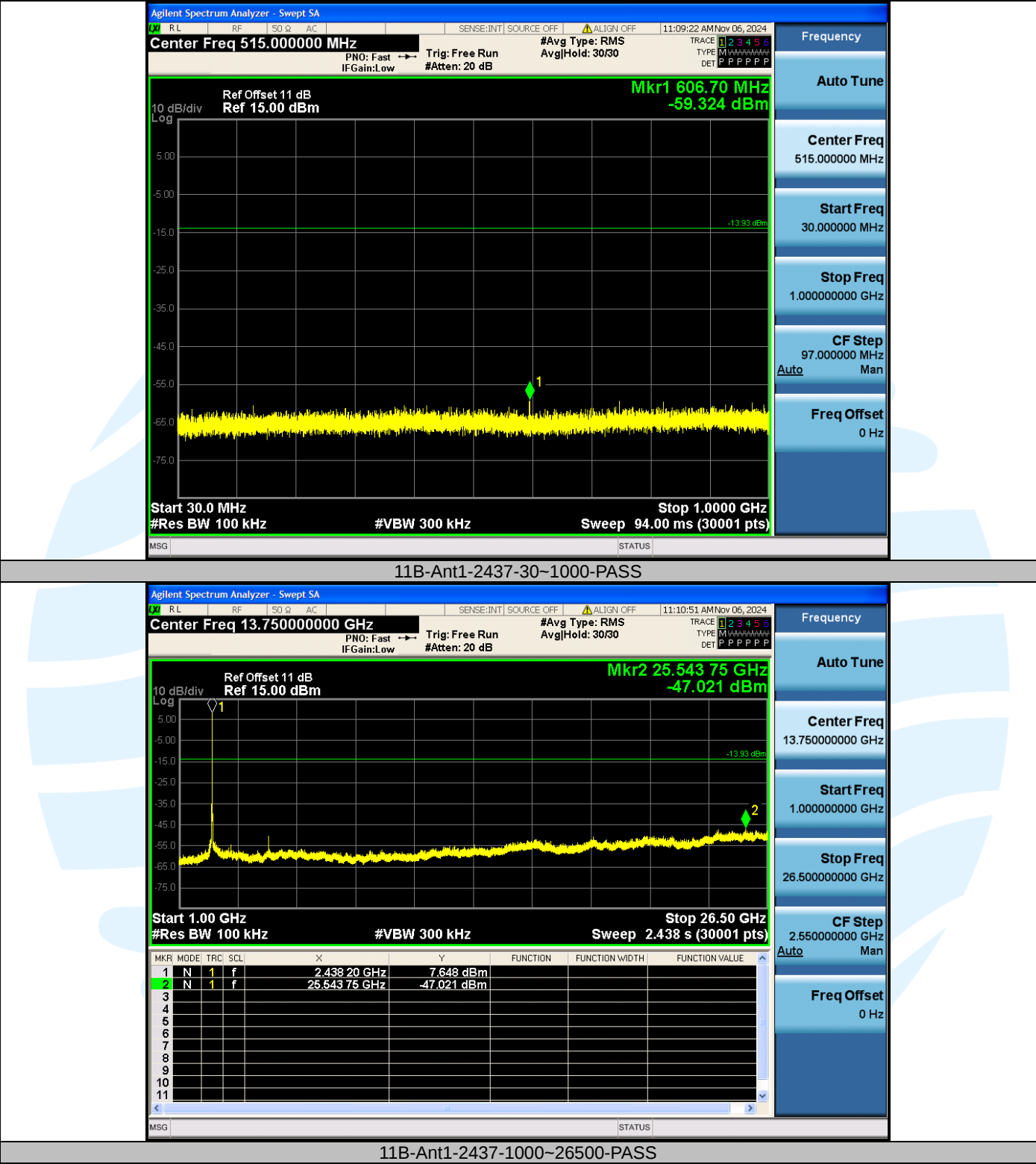
Fax: +86-755-28230886

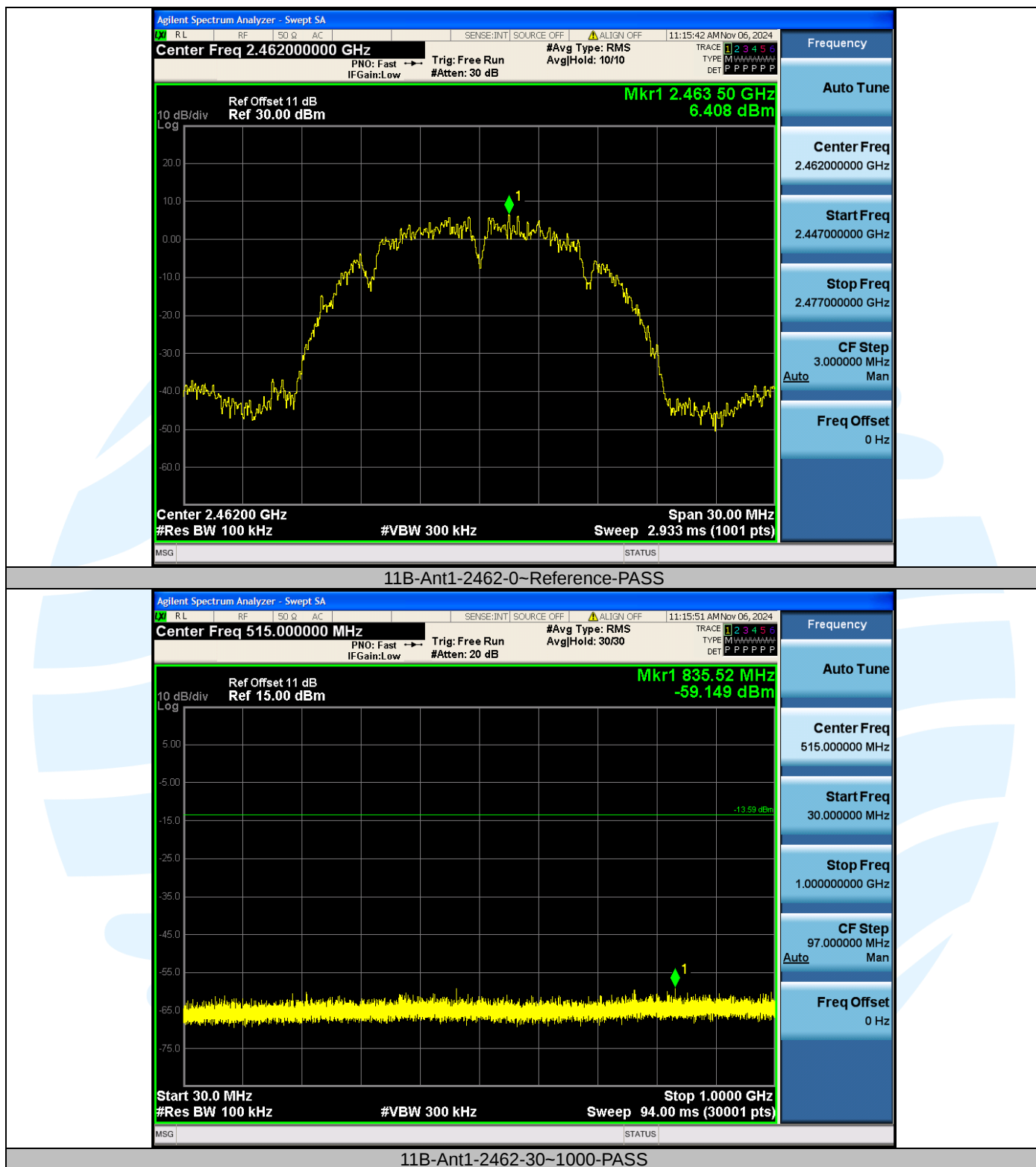
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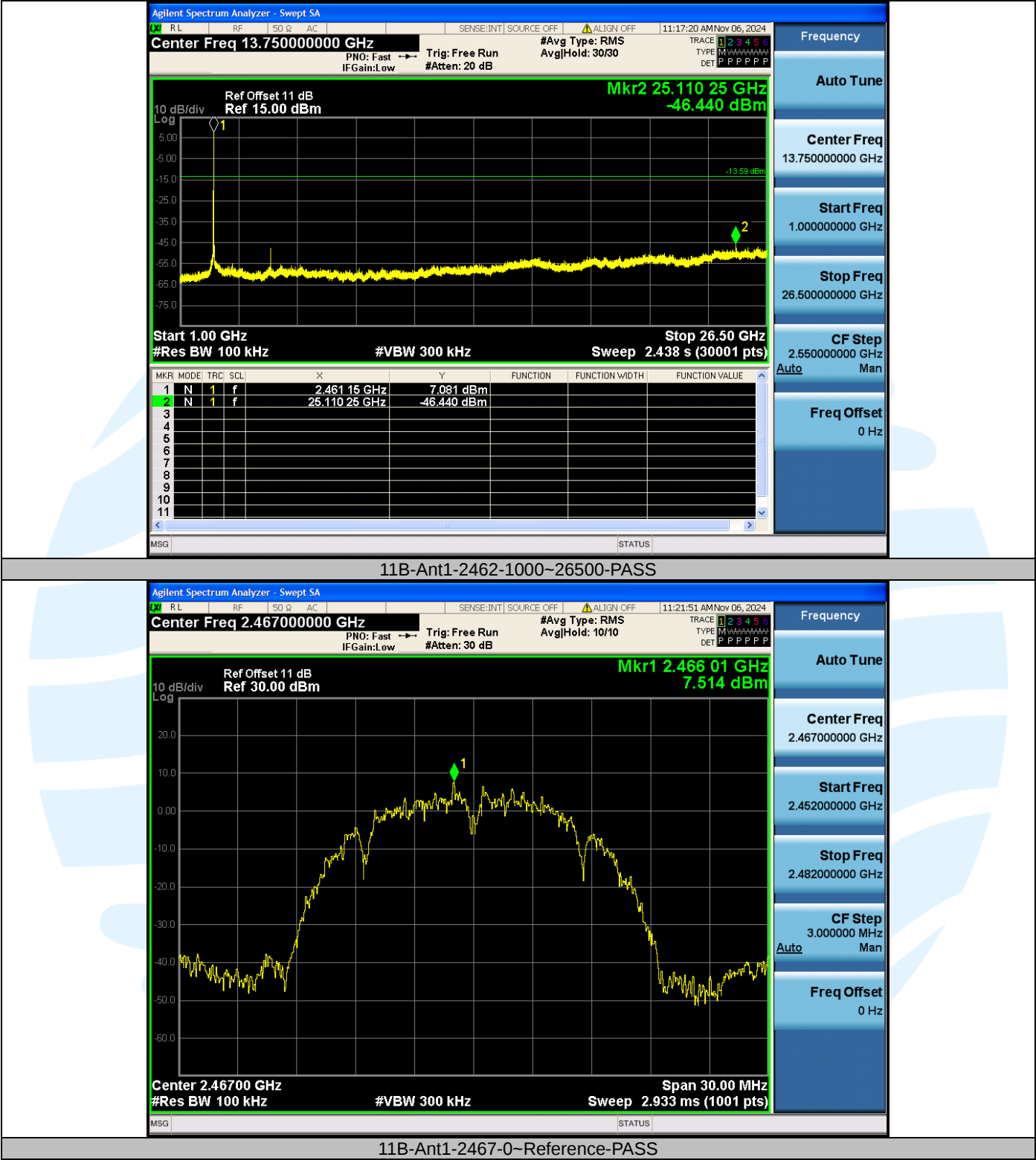
Tel: +86-755-28230888

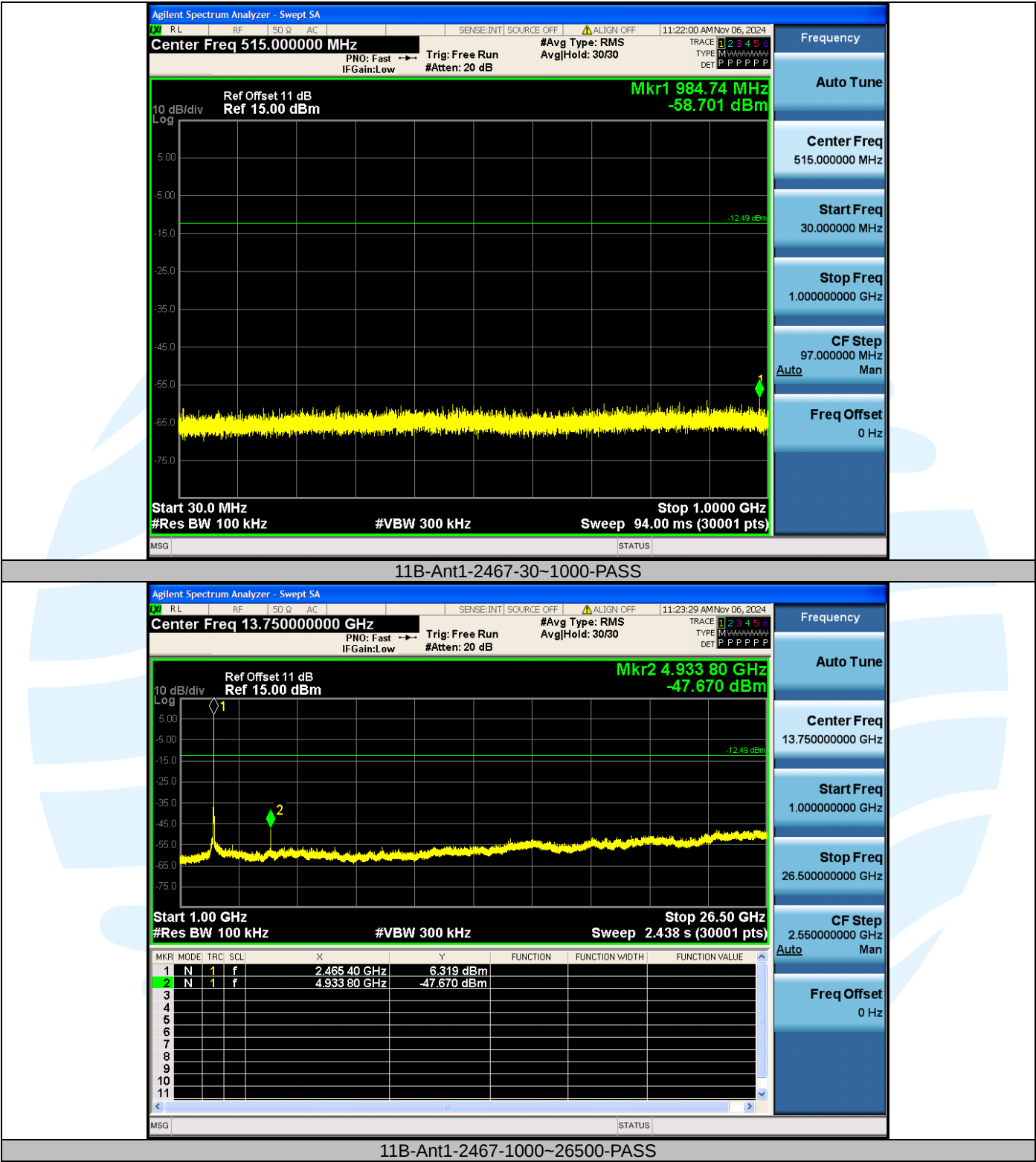
Fax: +86-755-28230886

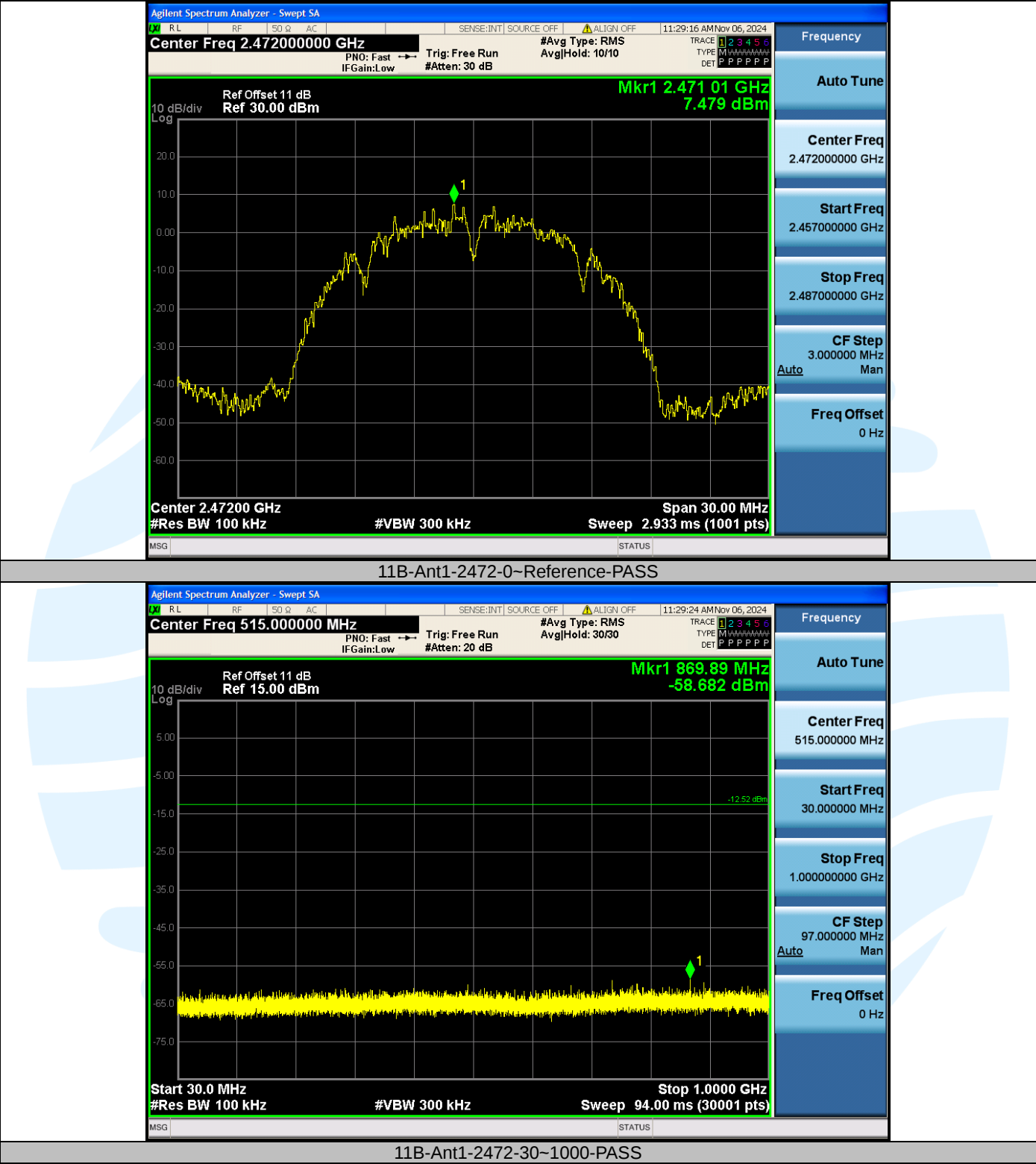
E-mail: info@uttlab.com

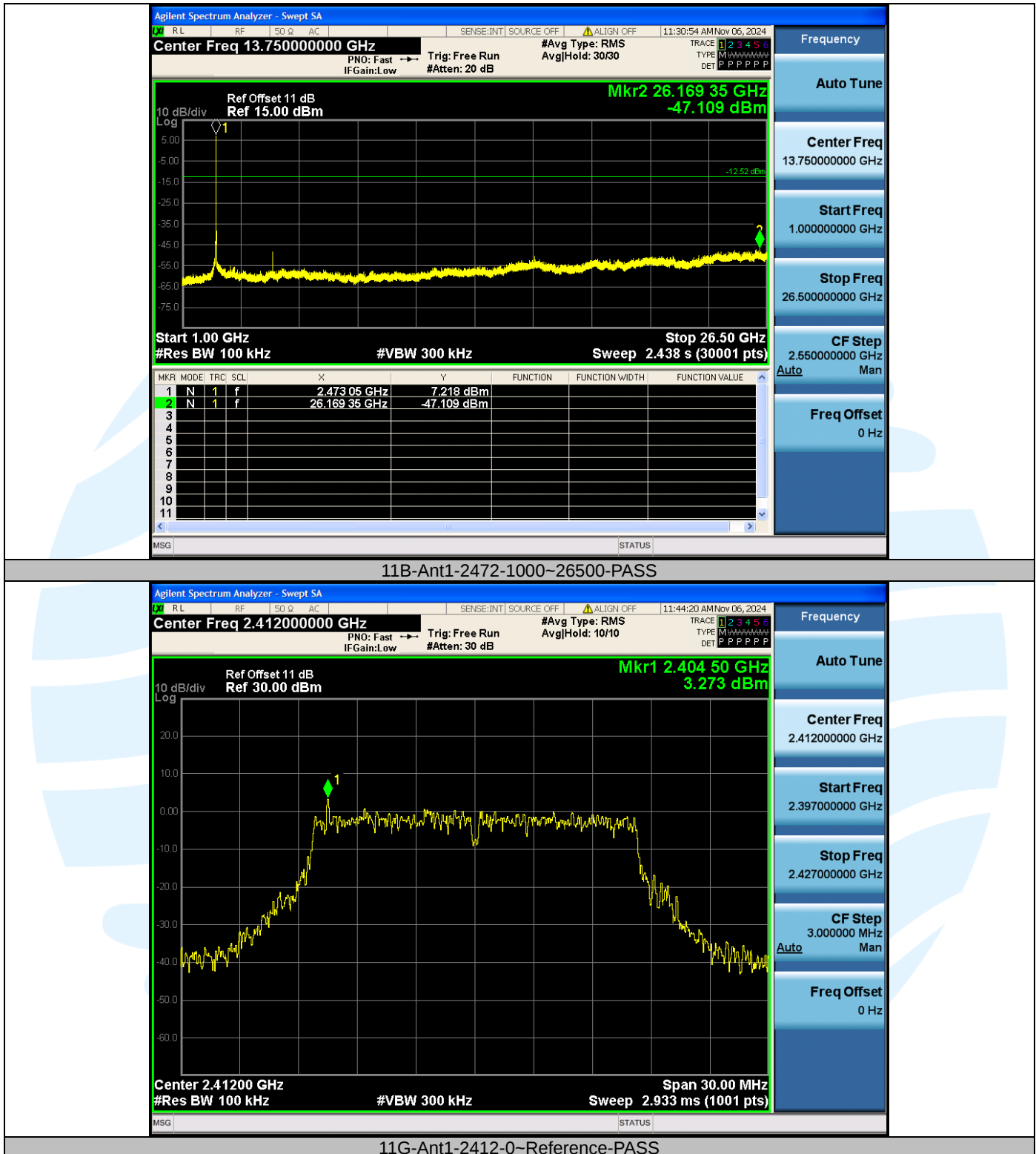
<http://www.uttlab.com>

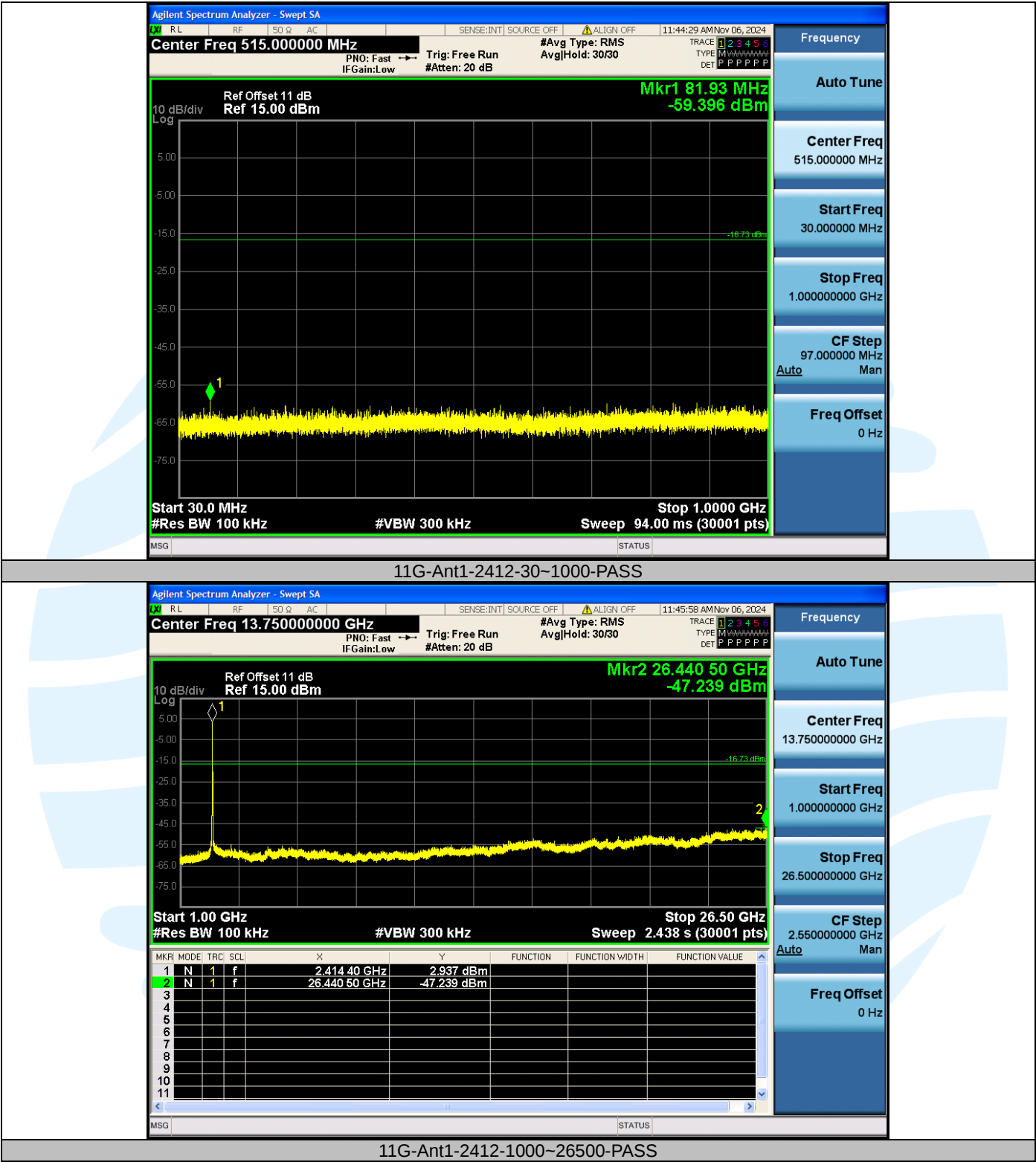
UTTR-RF-FCCPART15.247-V1.1

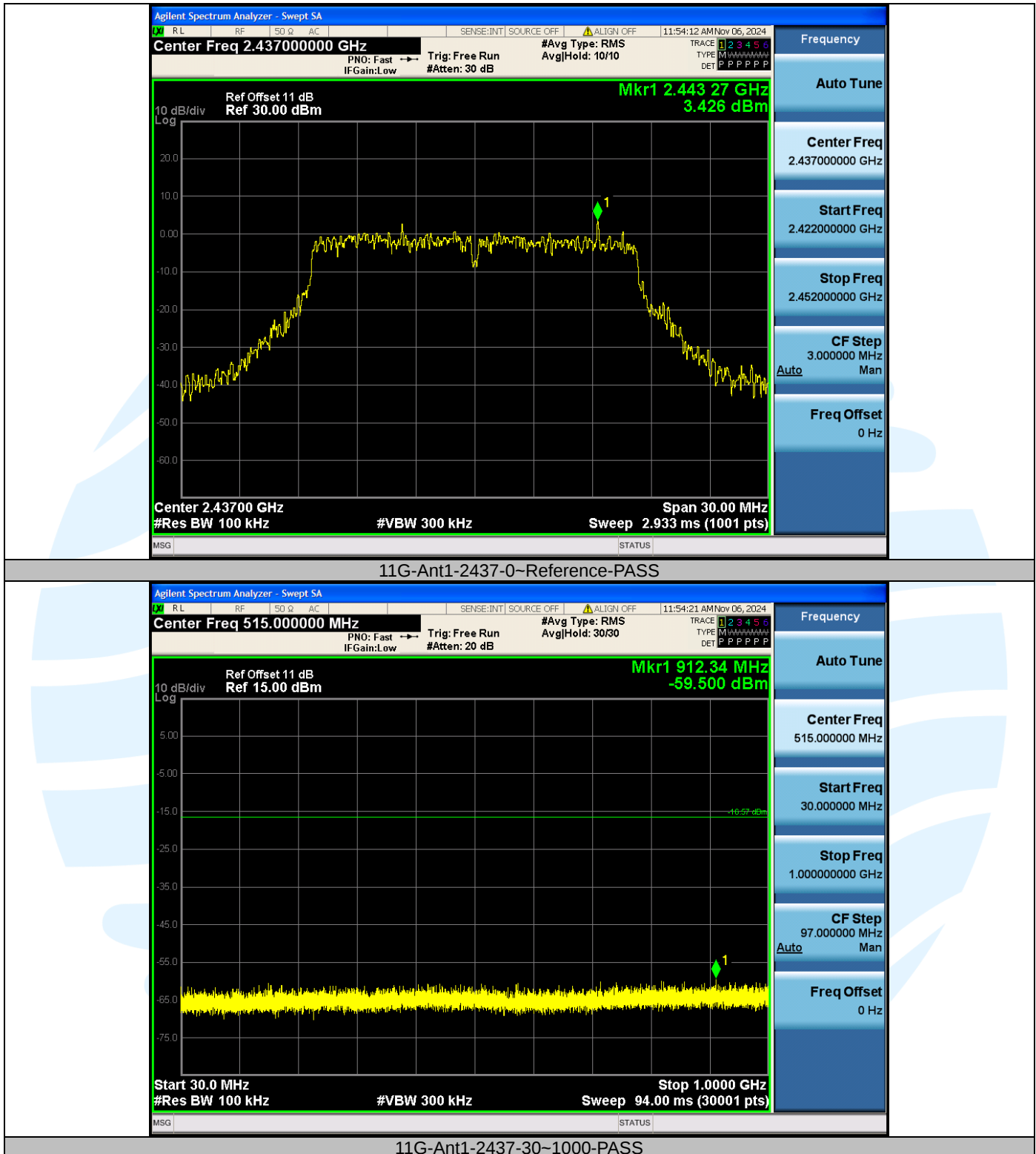












Shenzhen UnionTrust Quality and Technology Co., Ltd.

Address: 16/F, Block A, Building 6th, Baoneng Science and Technology Park, Longhua Street, Longhua District, Shenzhen, China

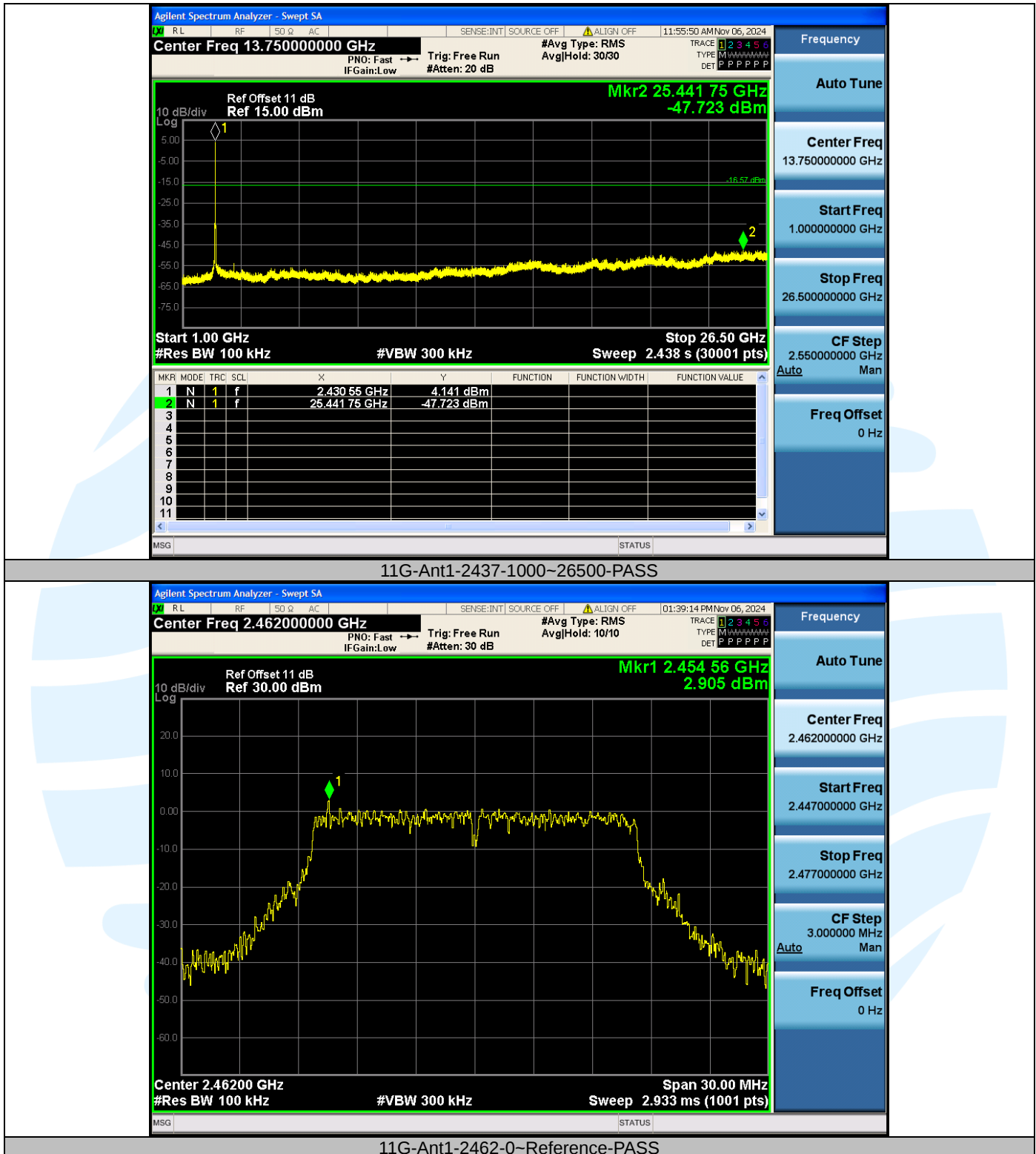
Tel: +86-755-28230888

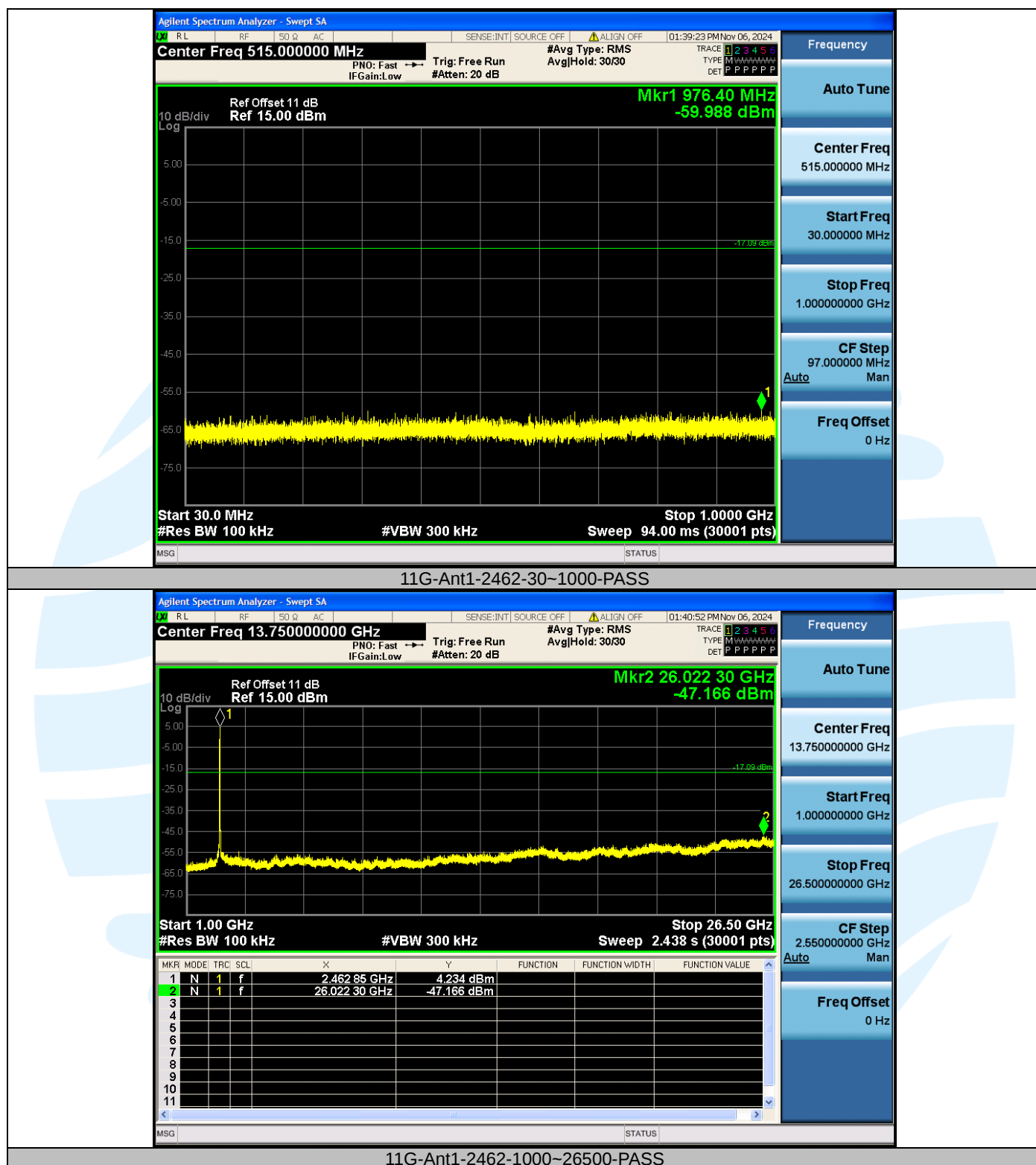
Fax: +86-755-28230886

E-mail: info@uttlab.com

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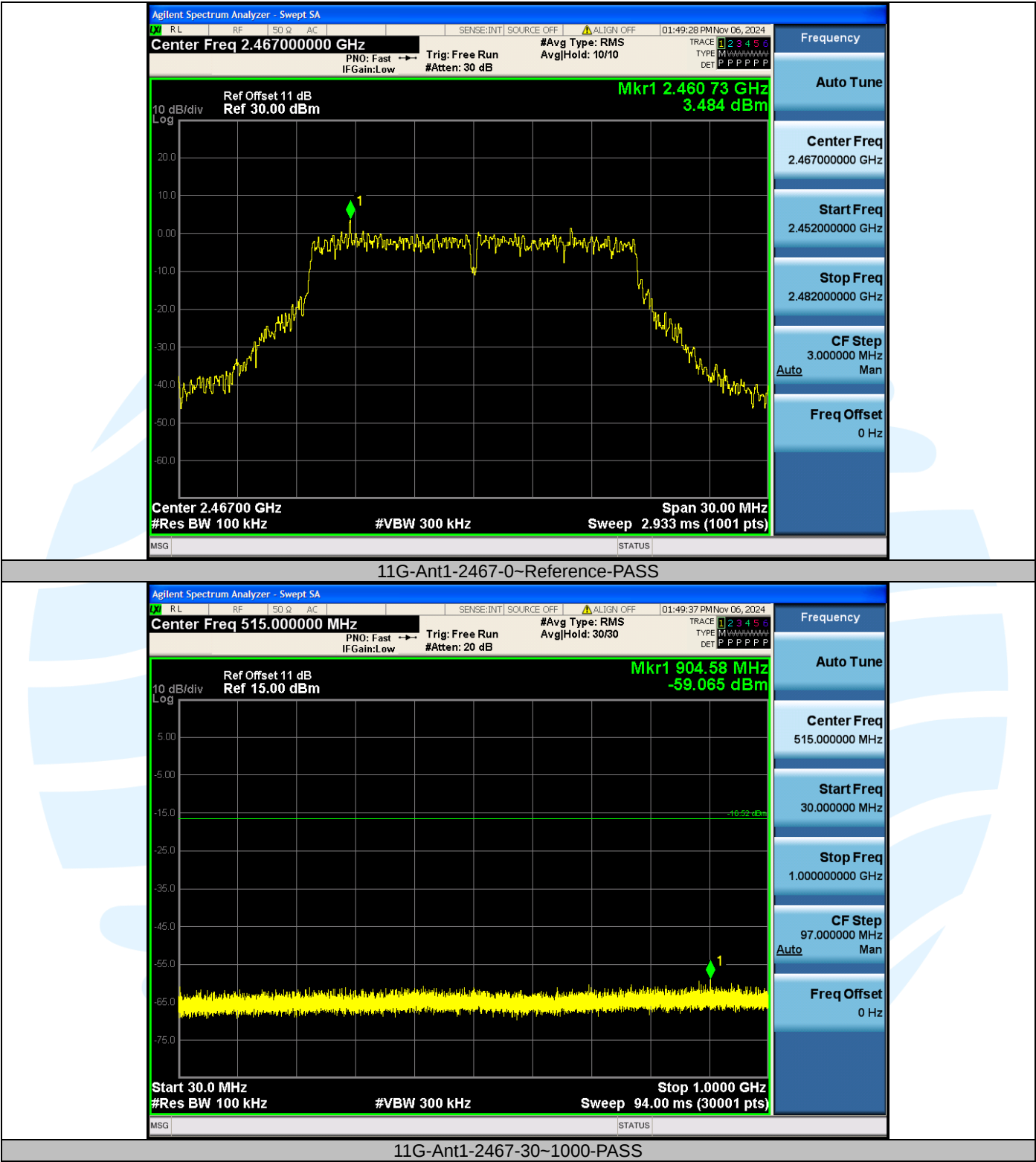
Tel: +86-755-28230886

Fax: +86-755-28230886

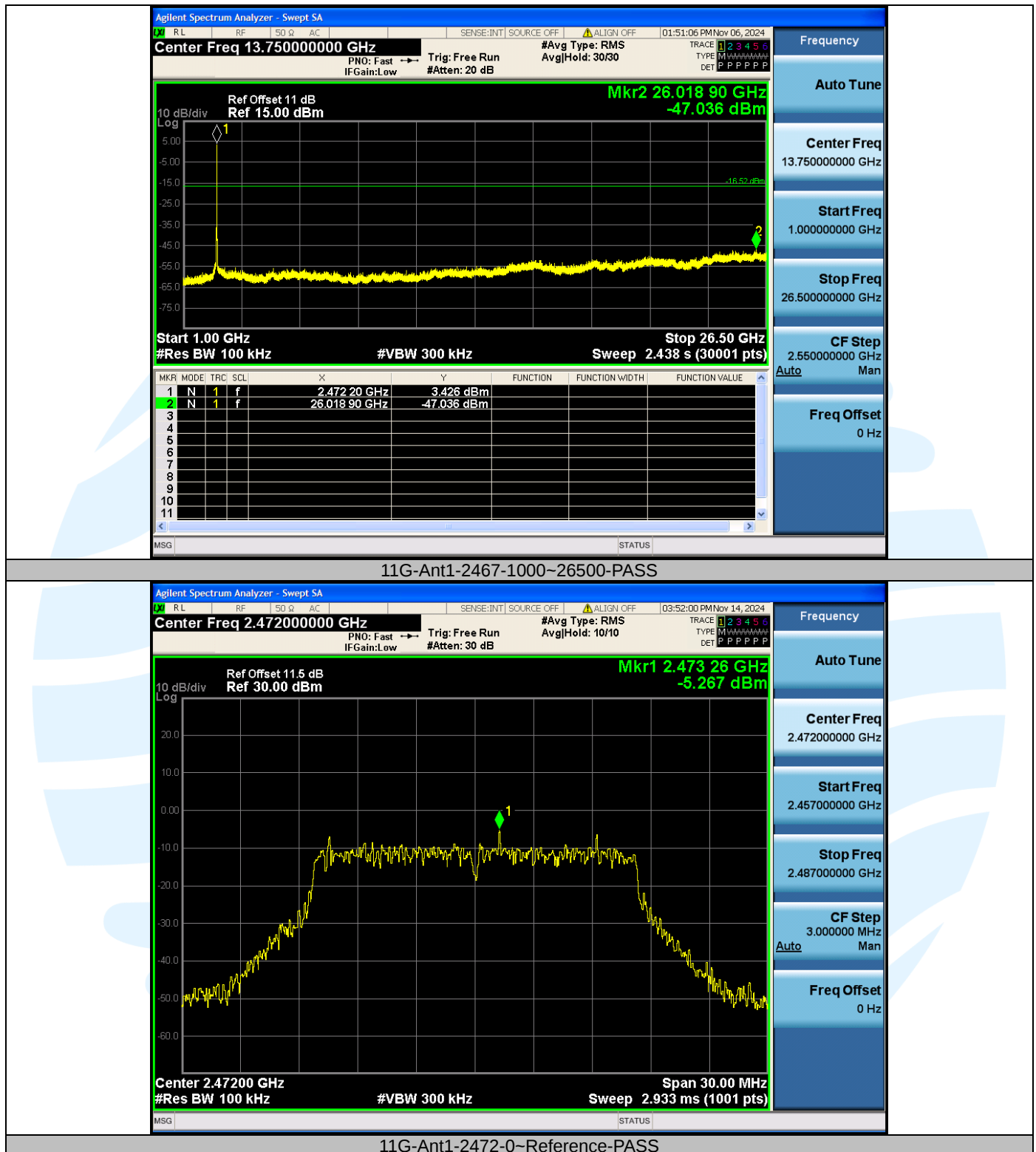
E-mail: info@uttlab.com

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11G-Ant1-2467-30~1000-PASS

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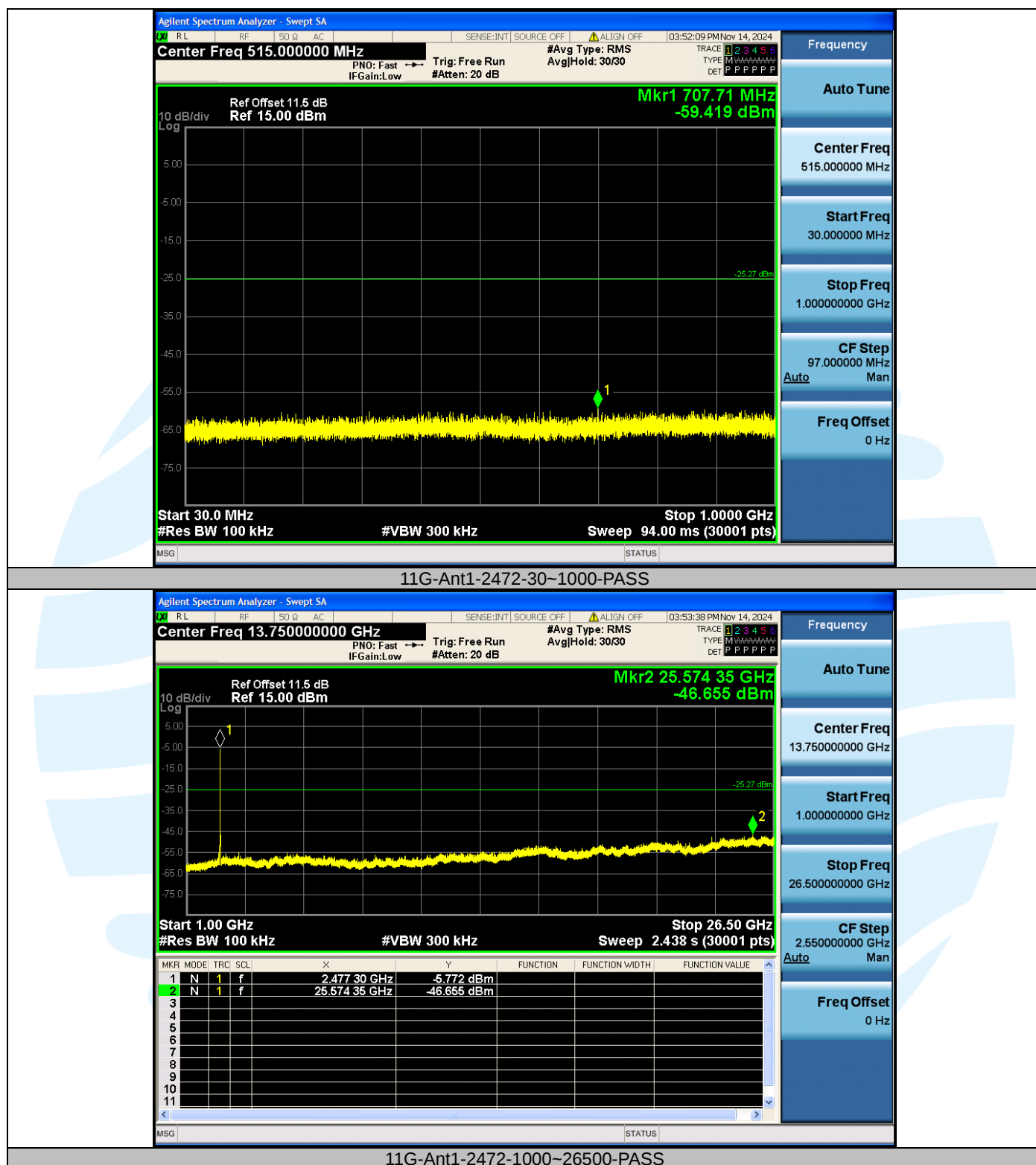
Tel: +86-755-28230888

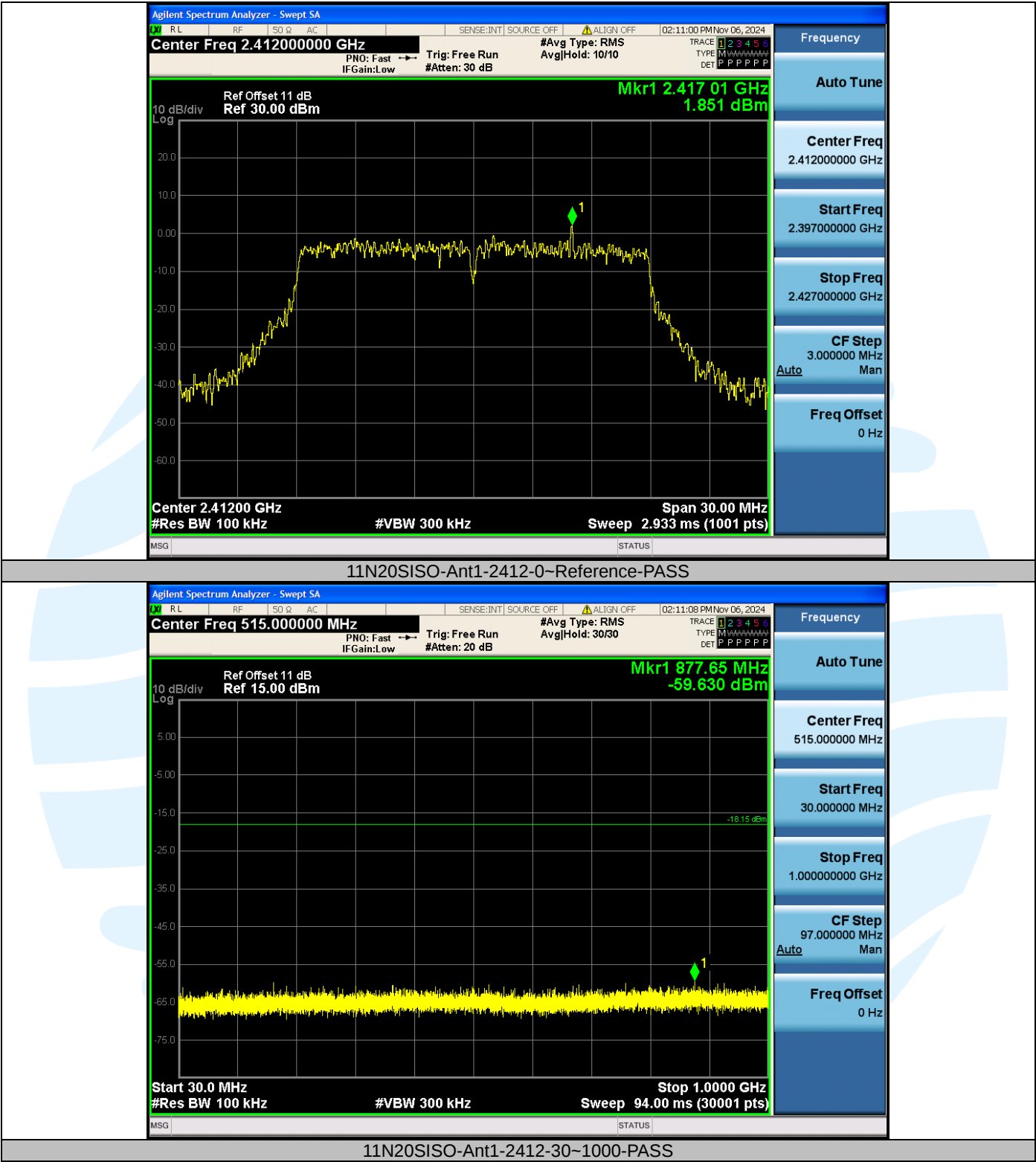
Fax: +86-755-28230886

E-mail: info@uttlab.com

<http://www.uttlab.com>

UTTR-RF-FCCPART15.247-V1.1





Agilent Spectrum Analyzer - Swept SA

RL

RF

SO Q

AC

SENSE:INT SOURCE:OFF 02:11:08 PM Nov 06, 2024

Center Freq 515.000000 MHz

PNO: Fast

Trig: Free Run

#Avg Type: RMS

IFGain:Low

#Atten: 20 dB

AvgHold: 30/30

TRACE 1 2 3 4 5 6

TYPE M W W W W W W W

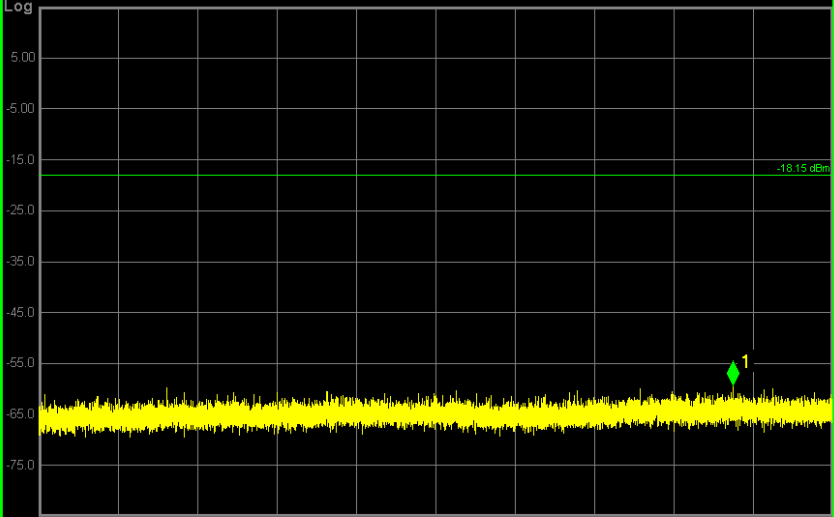
DET P P P P P P

Ref Offset 11 dB

Ref 15.00 dBm

Mkr1 877.65 MHz

-59.630 dBm



Start 30.0 MHz

#Res BW 100 kHz

#VBW 300 kHz

Stop 1.0000 GHz

Sweep 94.00 ms (30001 pts)

MSG

STATUS

Frequency

Auto Tune

Center Freq
515.000000 MHz

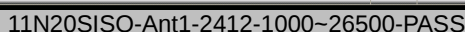
Start Freq
30.000000 MHz

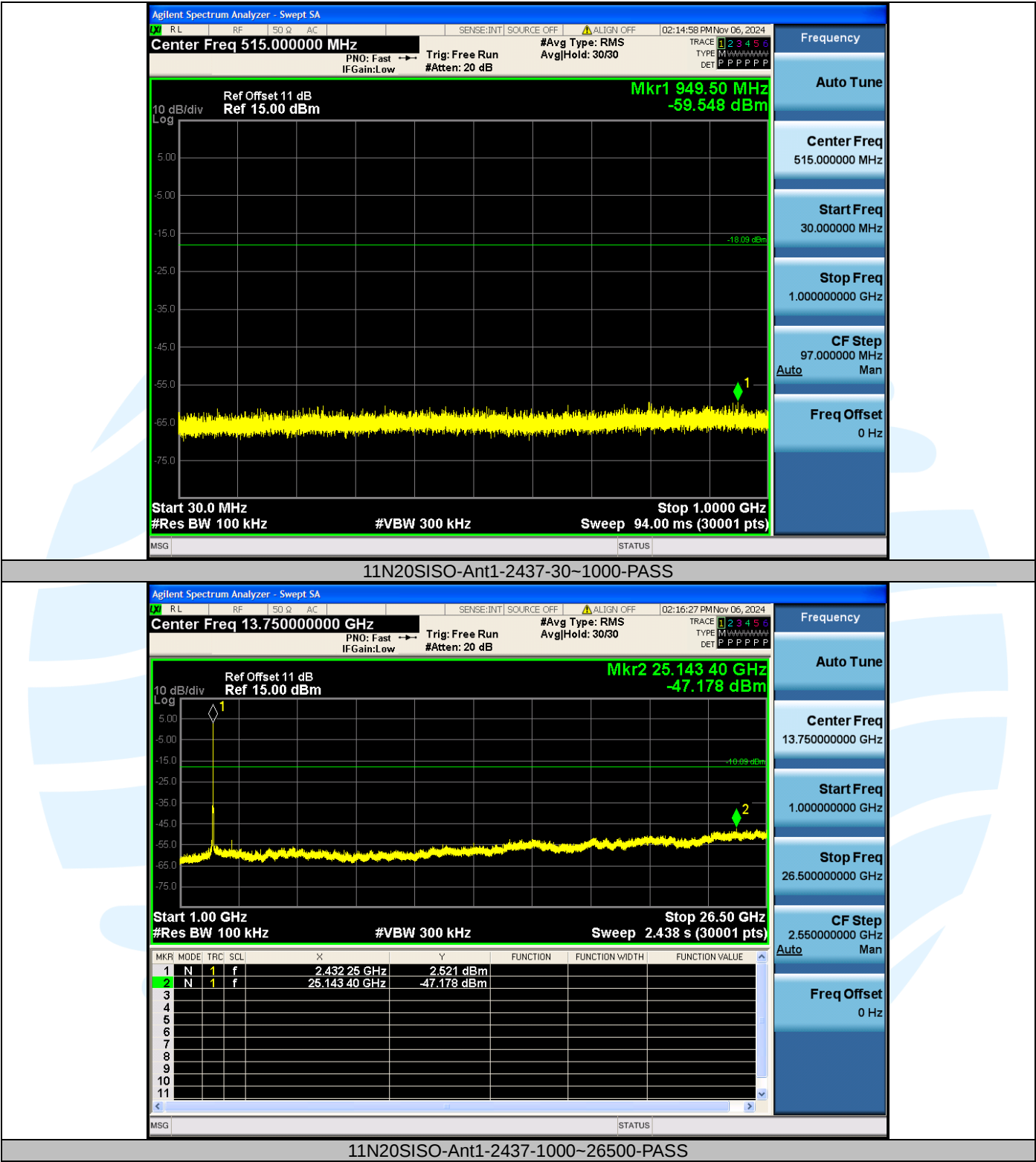
Stop Freq
1.000000000 GHz

CF Step
97.000000 MHz
Auto Man

Freq Offset
0 Hz

11N20SISO-Ant1-2412-30-1000-PASS





Agilent Spectrum Analyzer - Swept SA

RL

RF

ISO

AC

SENSE:INT SOURCE:OFF ALIGN:OFF

02:16:27 PM Nov 06, 2024

Center Freq 13.750000000 GHz

PNO: Fast

IFGain:Low

Trig: Free Run

#Atten: 20 dB

#Avg Type: RMS

AvgHold: 30/30

TRACE 1 2 3 4 5 6

TYPE M W W W W W W W W W

DET P P P P P P P

Ref Offset 11 dB

Ref 15.00 dBm

Mkr2 25.143 40 GHz

-47.178 dBm

10 dB/div

Log

5.00

-5.00

-15.0

-25.0

-35.0

-45.0

-55.0

-65.0

-75.0

Start 1.00 GHz

#Res BW 100 kHz

#VBW 300 kHz

Sweep 2.438 s (30001 pts)

Stop 26.50 GHz

MSG

STATUS

Frequency

Auto Tune

Center Freq
13.750000000 GHz

Start Freq
1.000000000 GHz

Stop Freq
26.500000000 GHz

CF Step
2.550000000 GHz
Auto Man

Freq Offset
0 Hz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.432 25 GHz	2.521 dBm			
2	N	1	f	25.143 40 GHz	-47.178 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								

11N20SISO-Ant1-2437-1000~26500-PASS

