

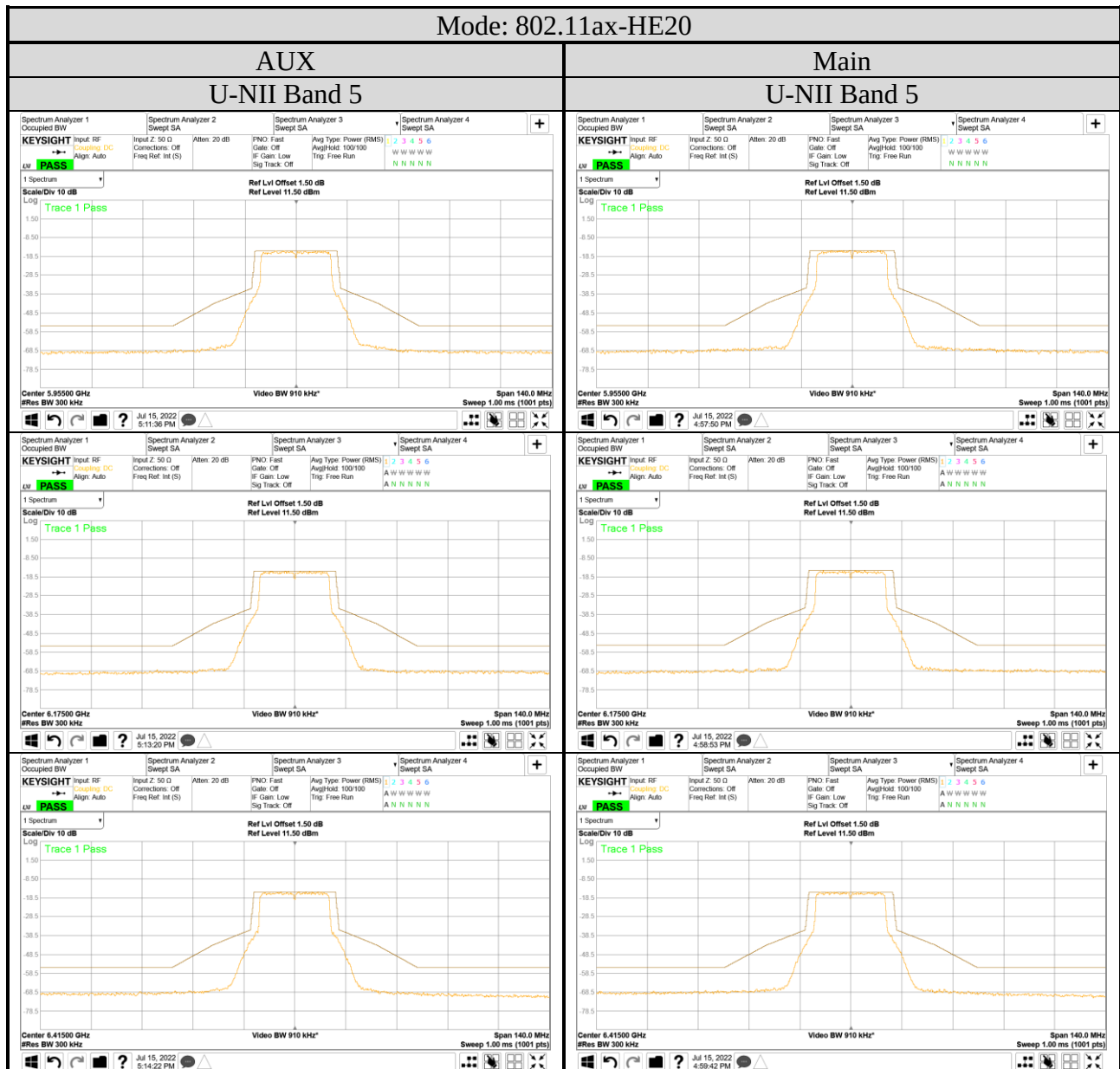
Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

A.7 IN-BAND EMISSION (CHANNEL MASK)

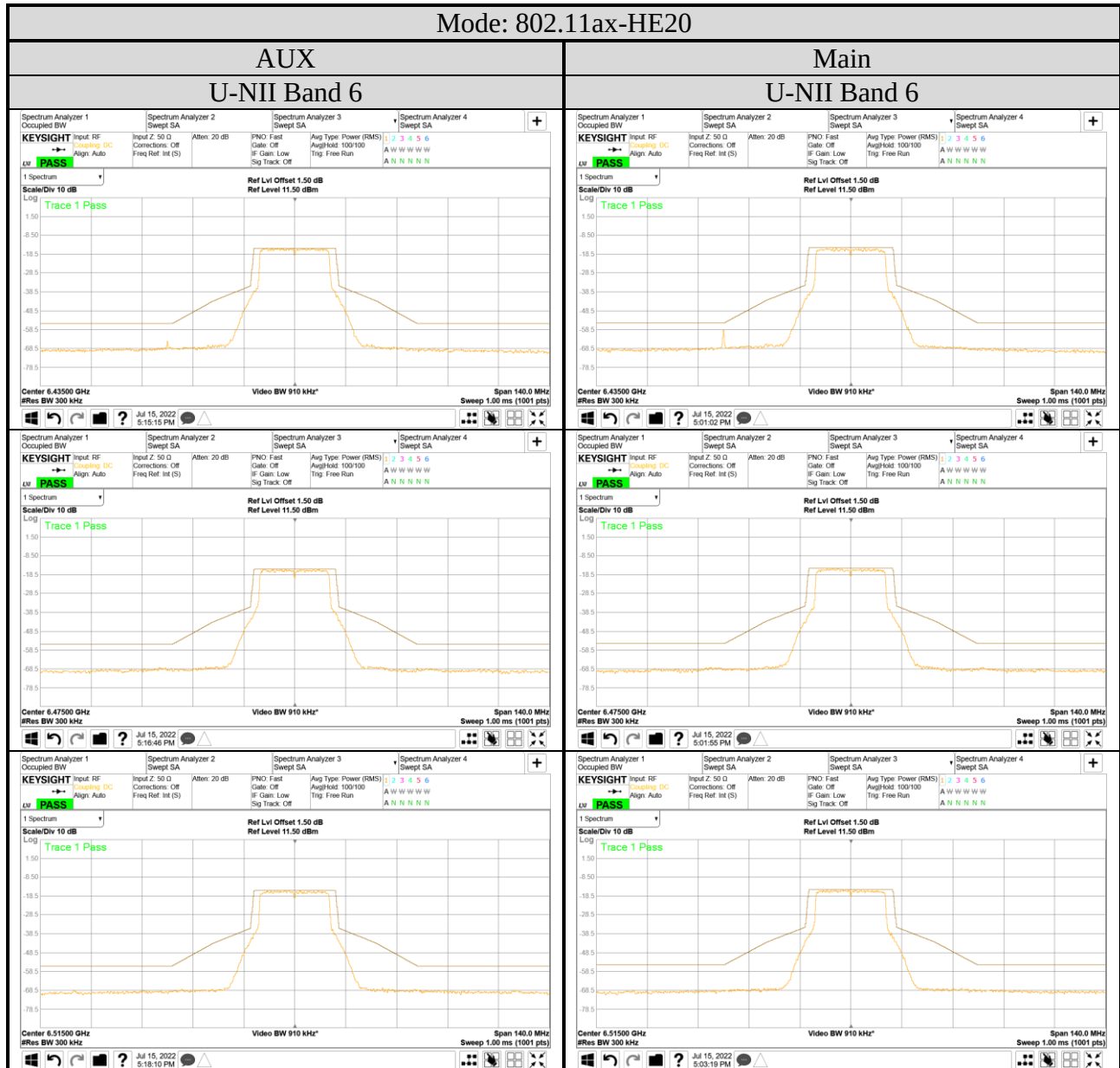
Test Date	2022/07/15 ~ 16	Temp./Hum.	25 ~ 26°C/45 ~ 49%
Cable Loss	1.5dB	Tested By	Sam Chang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

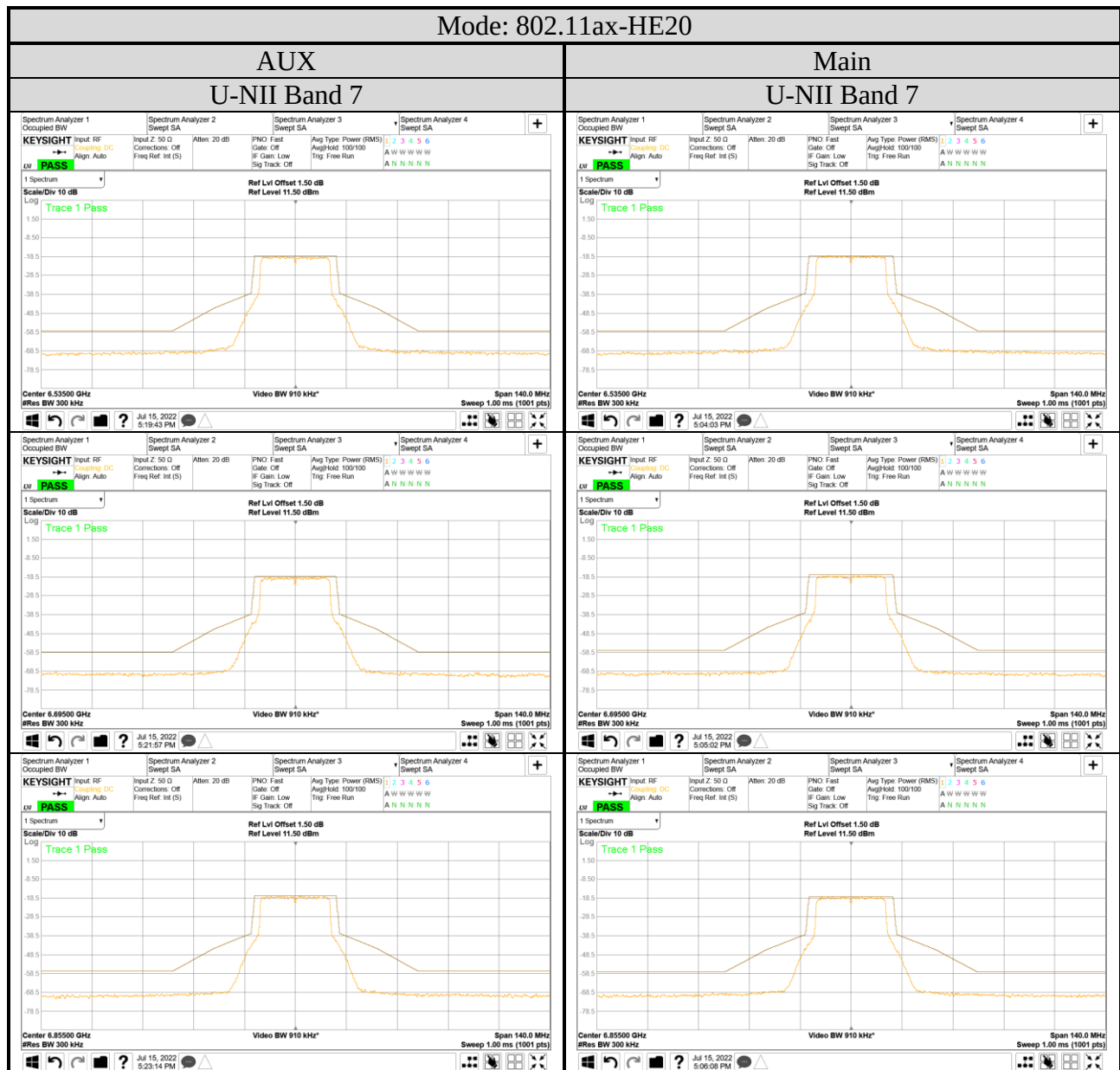
● OFDM Modulation



Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

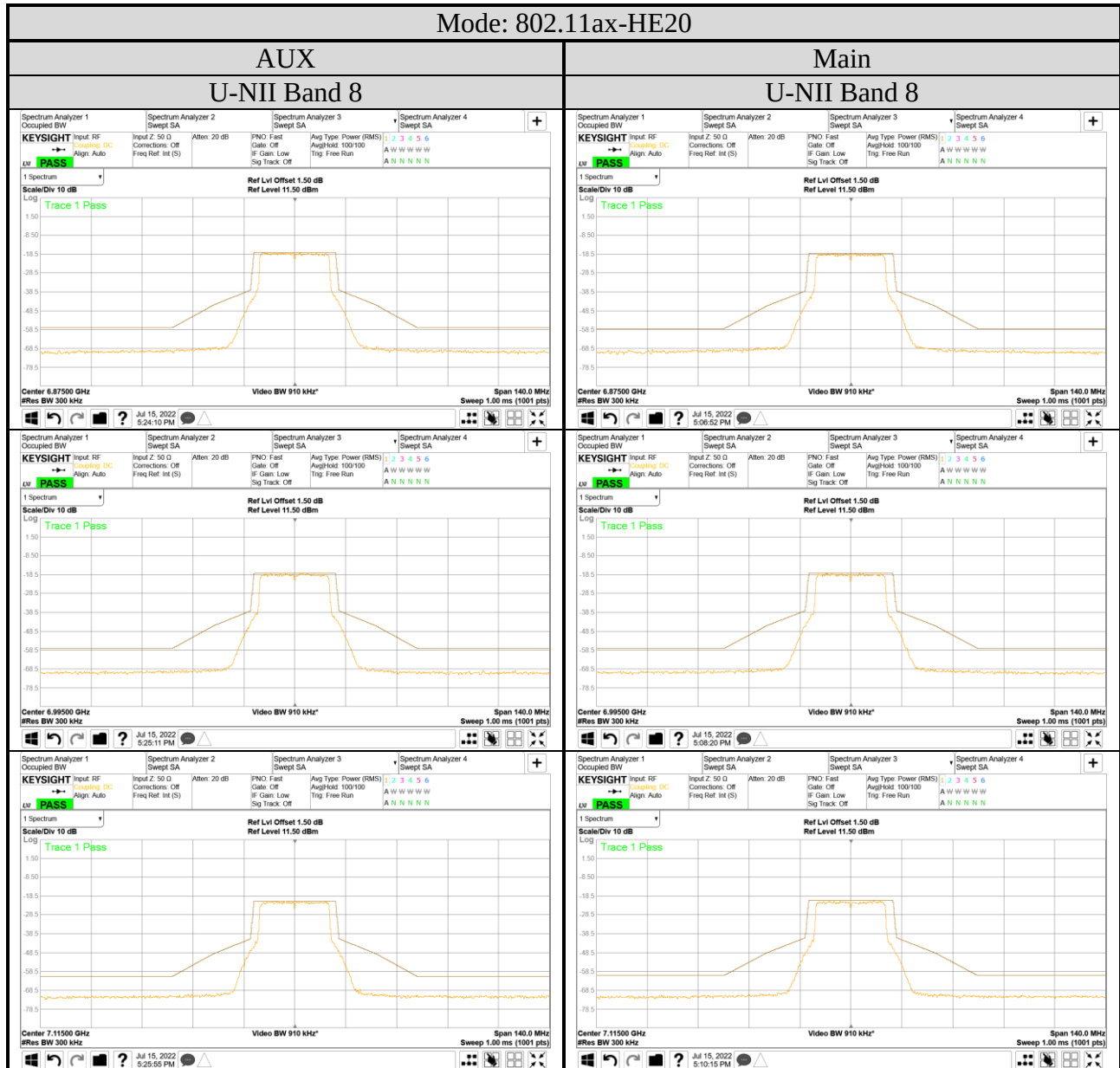
Tel: +886 2 26099301
Fax: +886 2 26099303





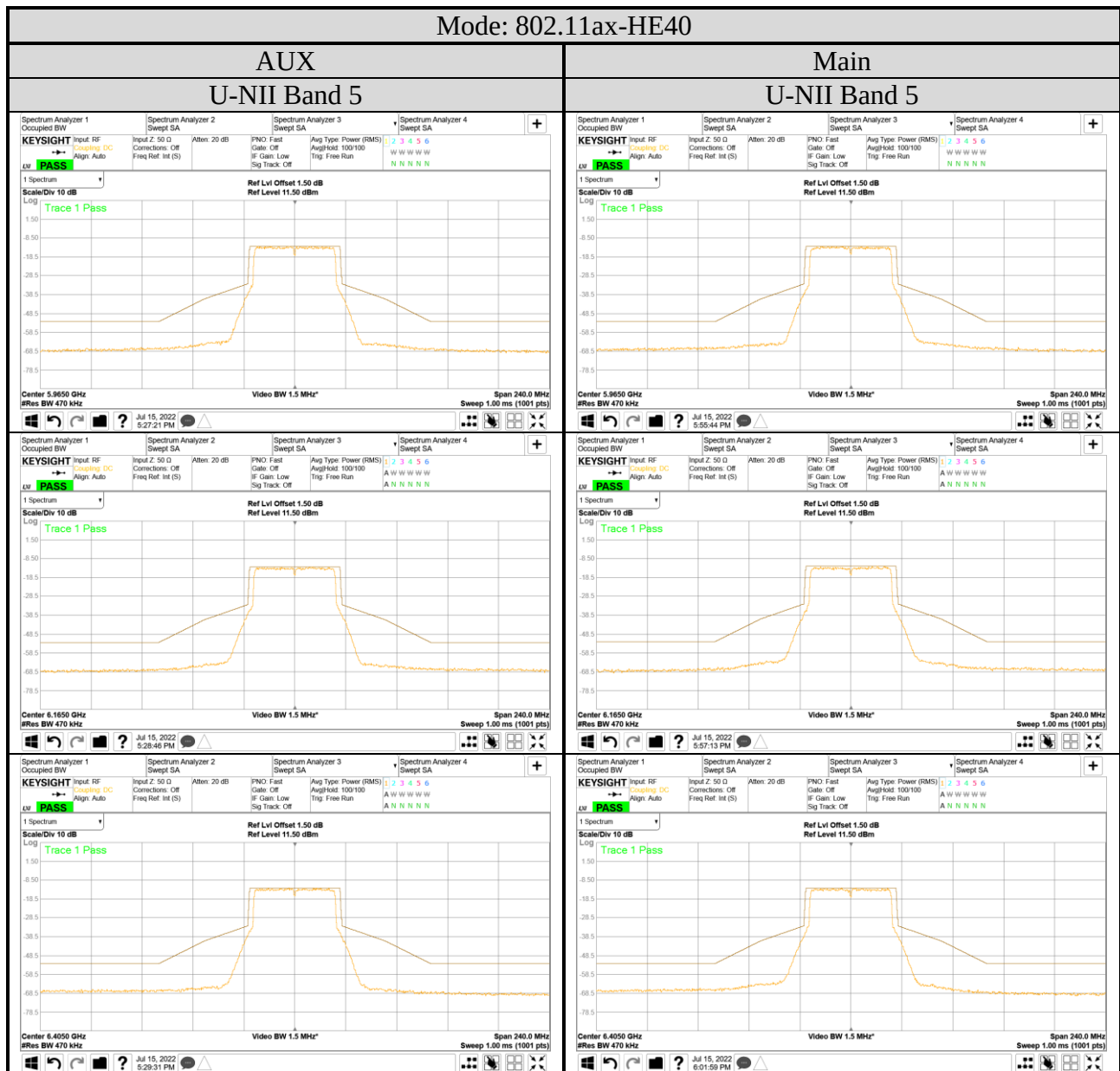
Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

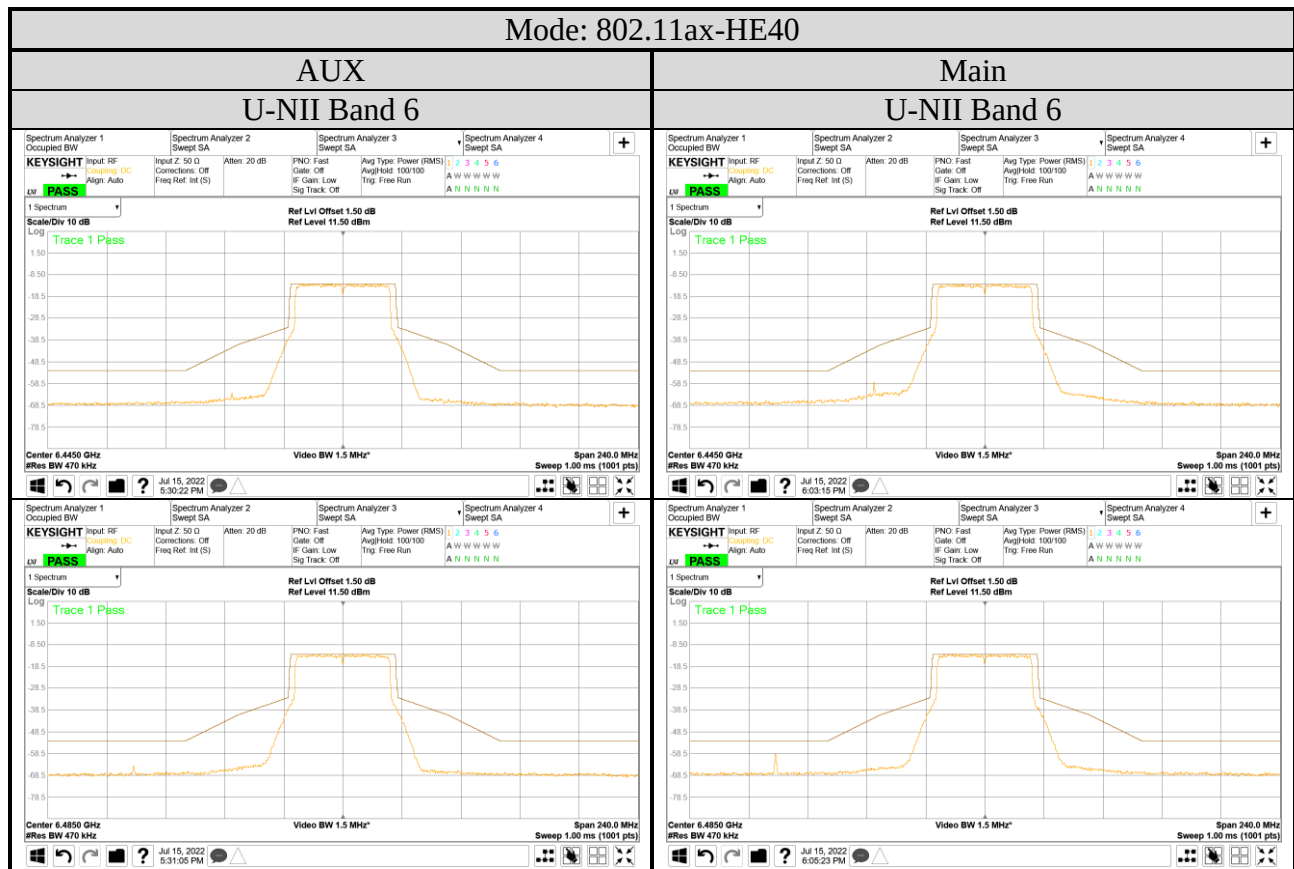
Tel: +886 2 26099301
Fax: +886 2 26099303



Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

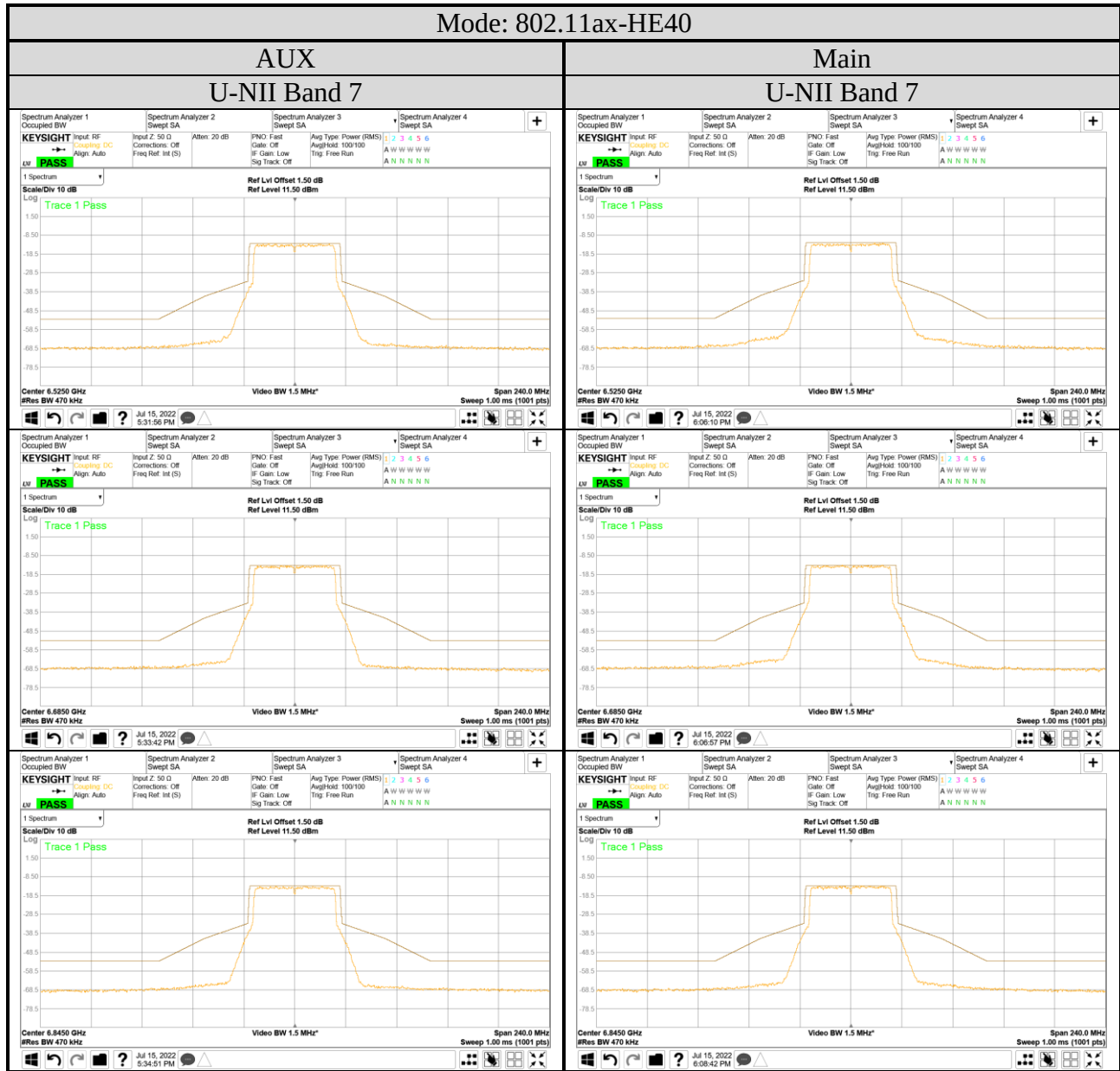
Tel: +886 2 26099301
Fax: +886 2 26099303





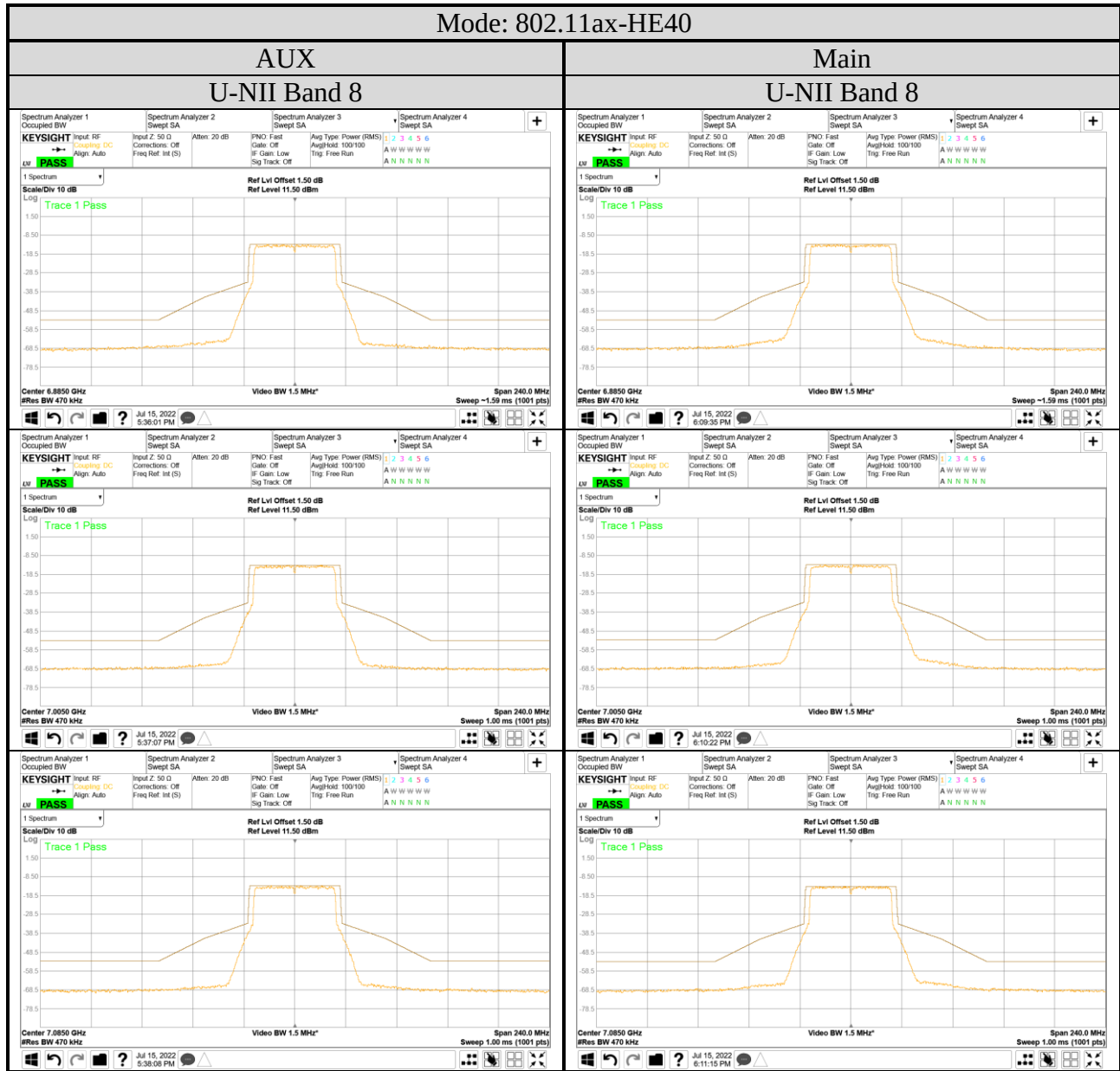
Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303



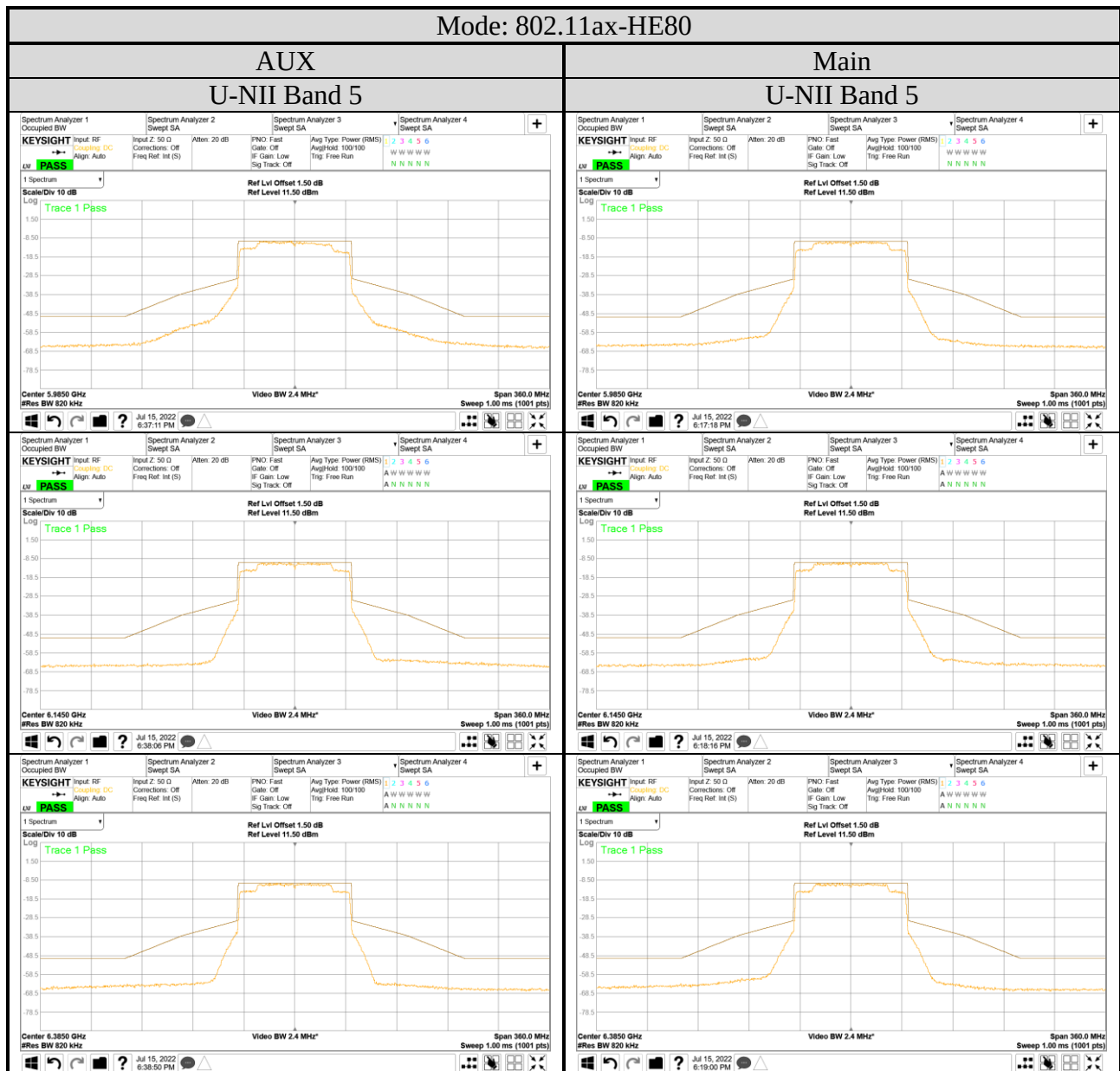
Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303



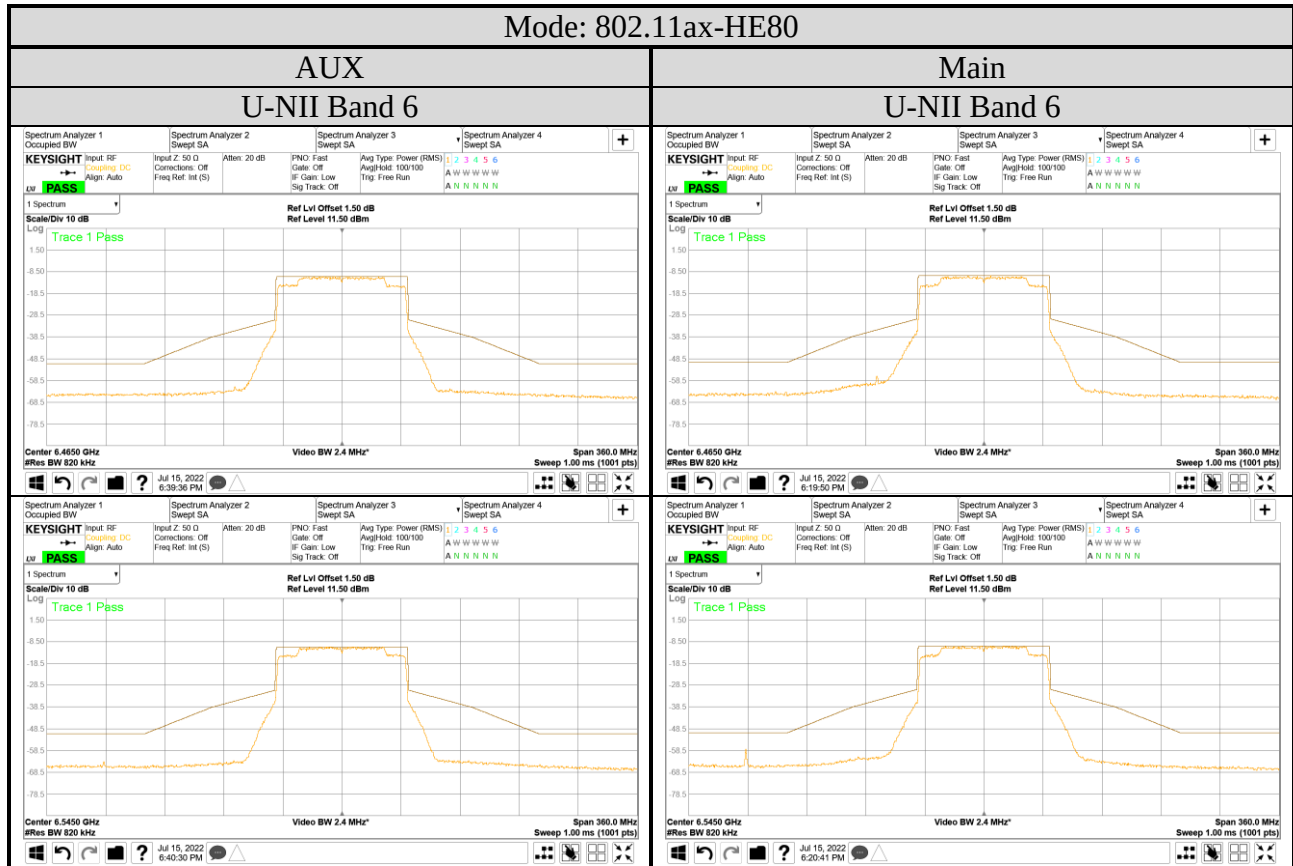
Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303



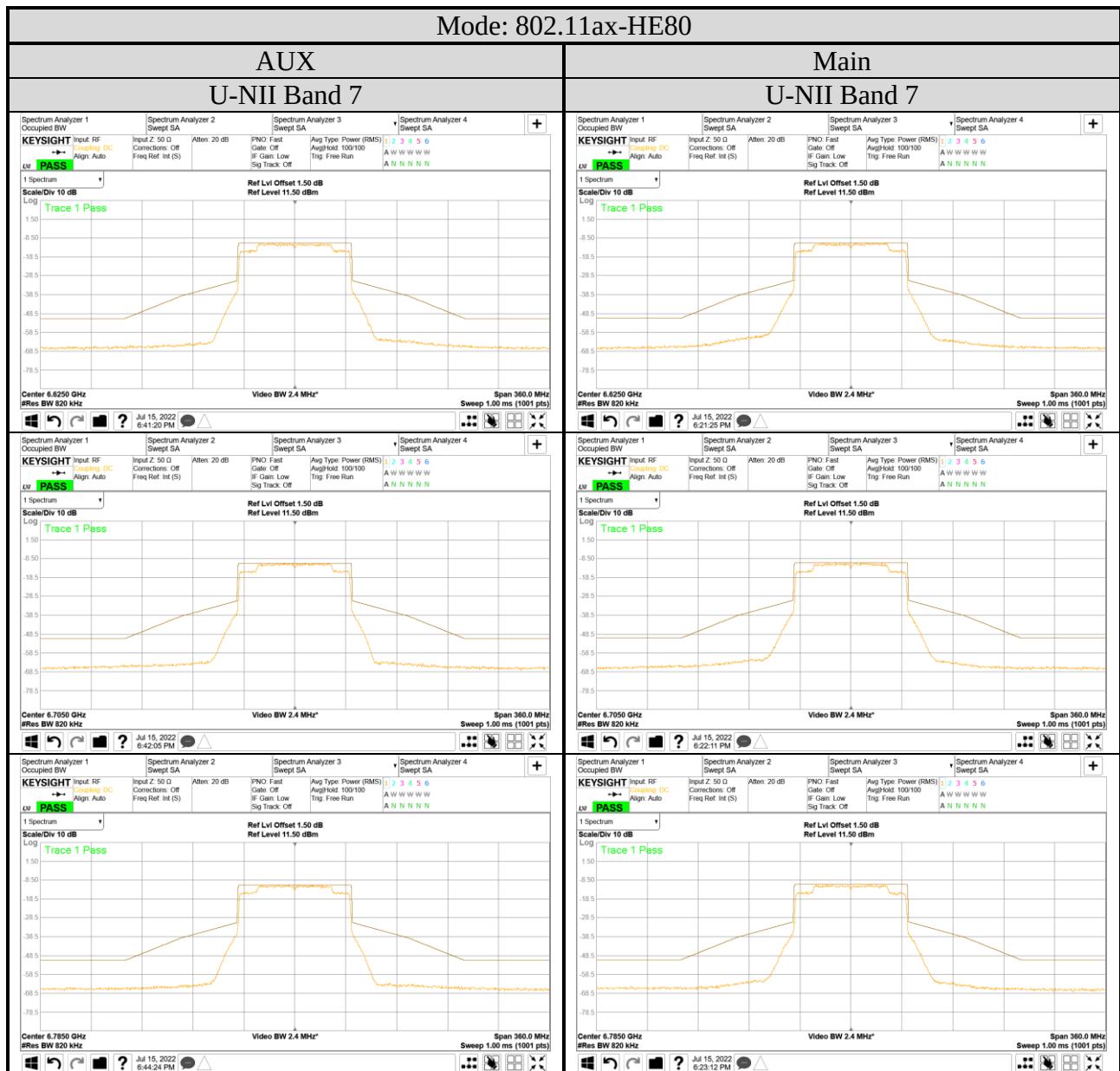
Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303



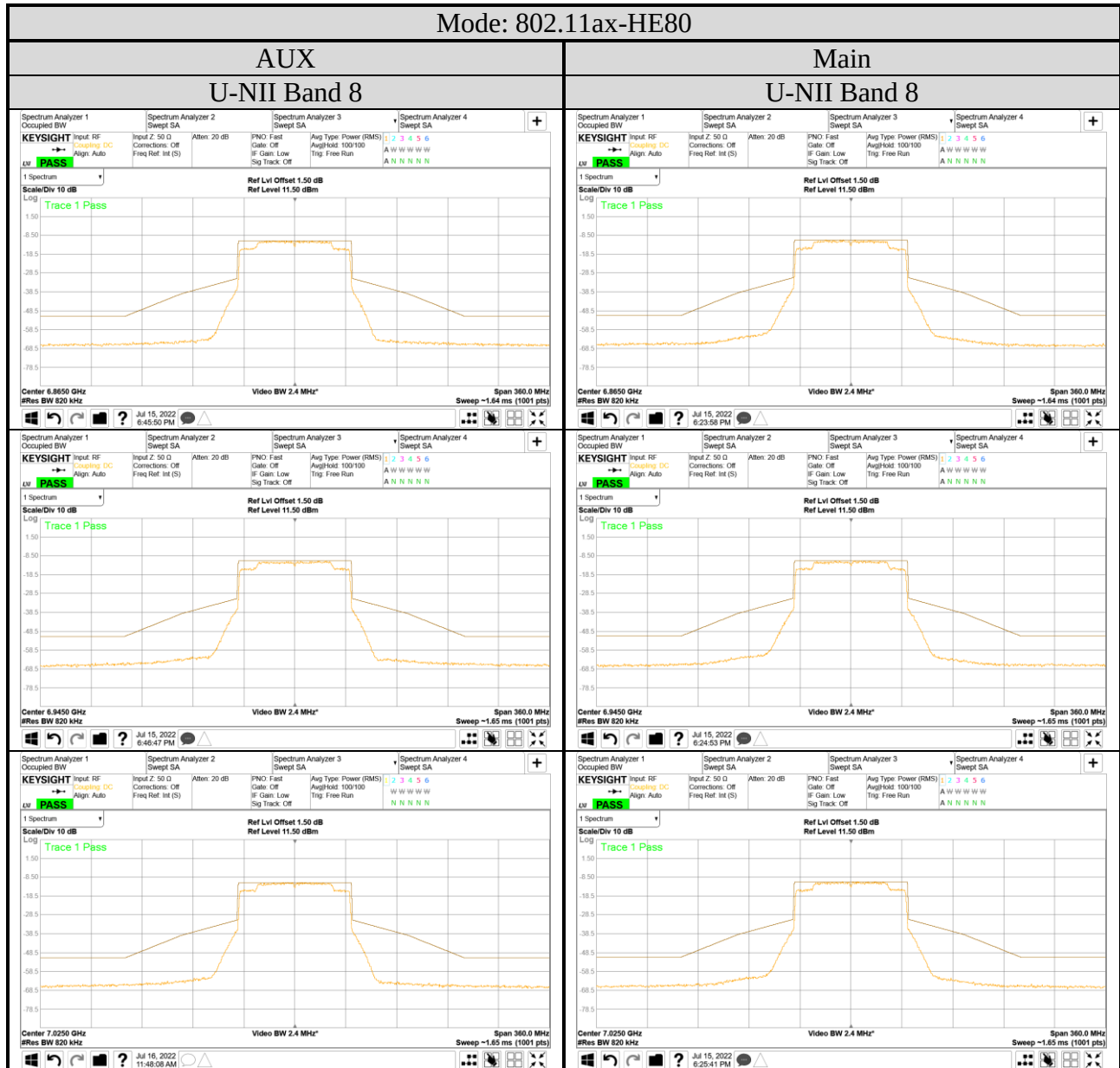
Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

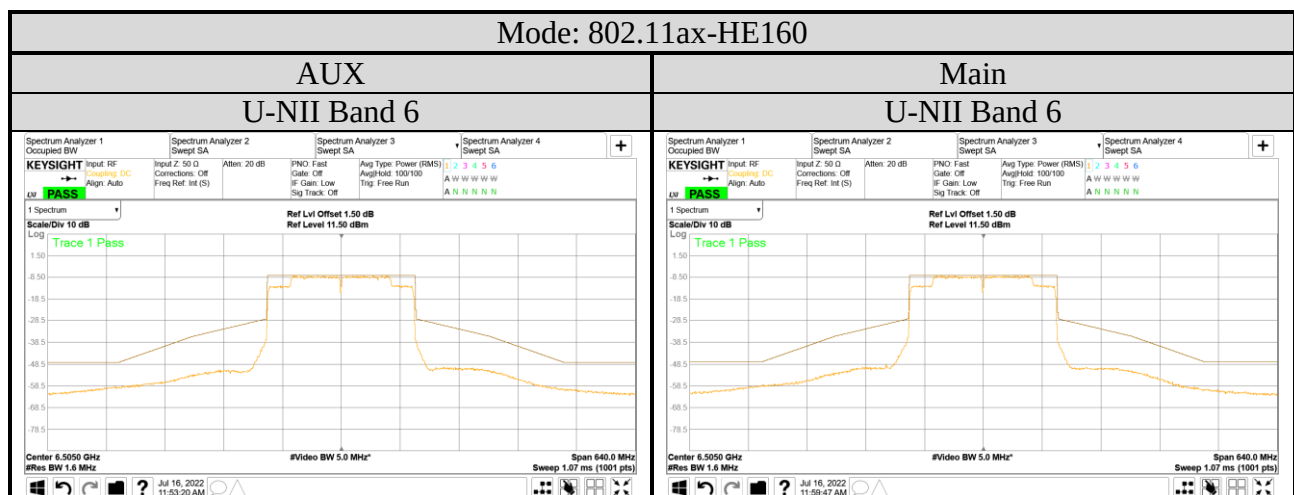
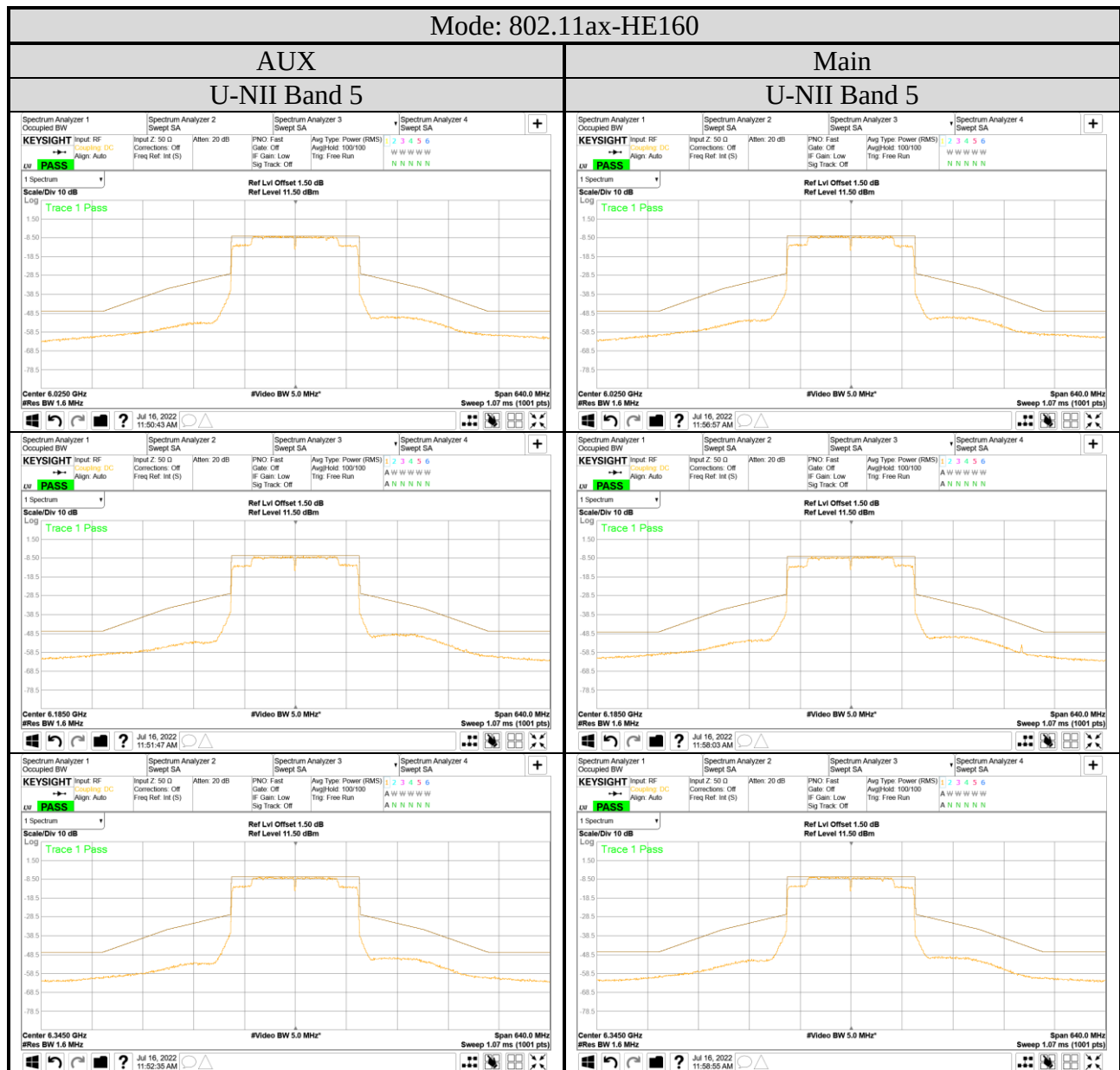
Tel: +886 2 26099301
Fax: +886 2 26099303



Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

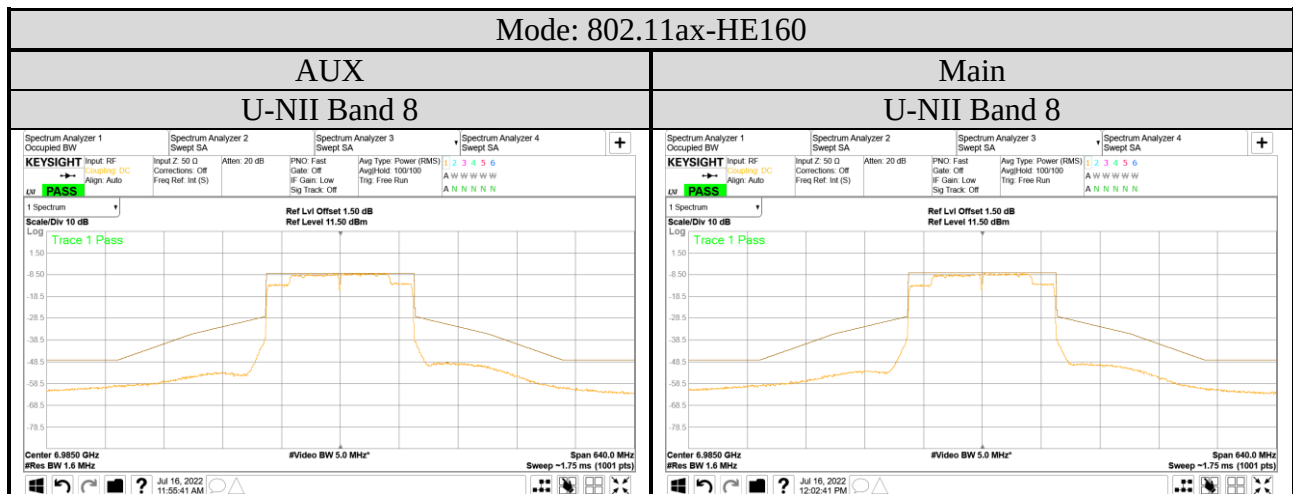
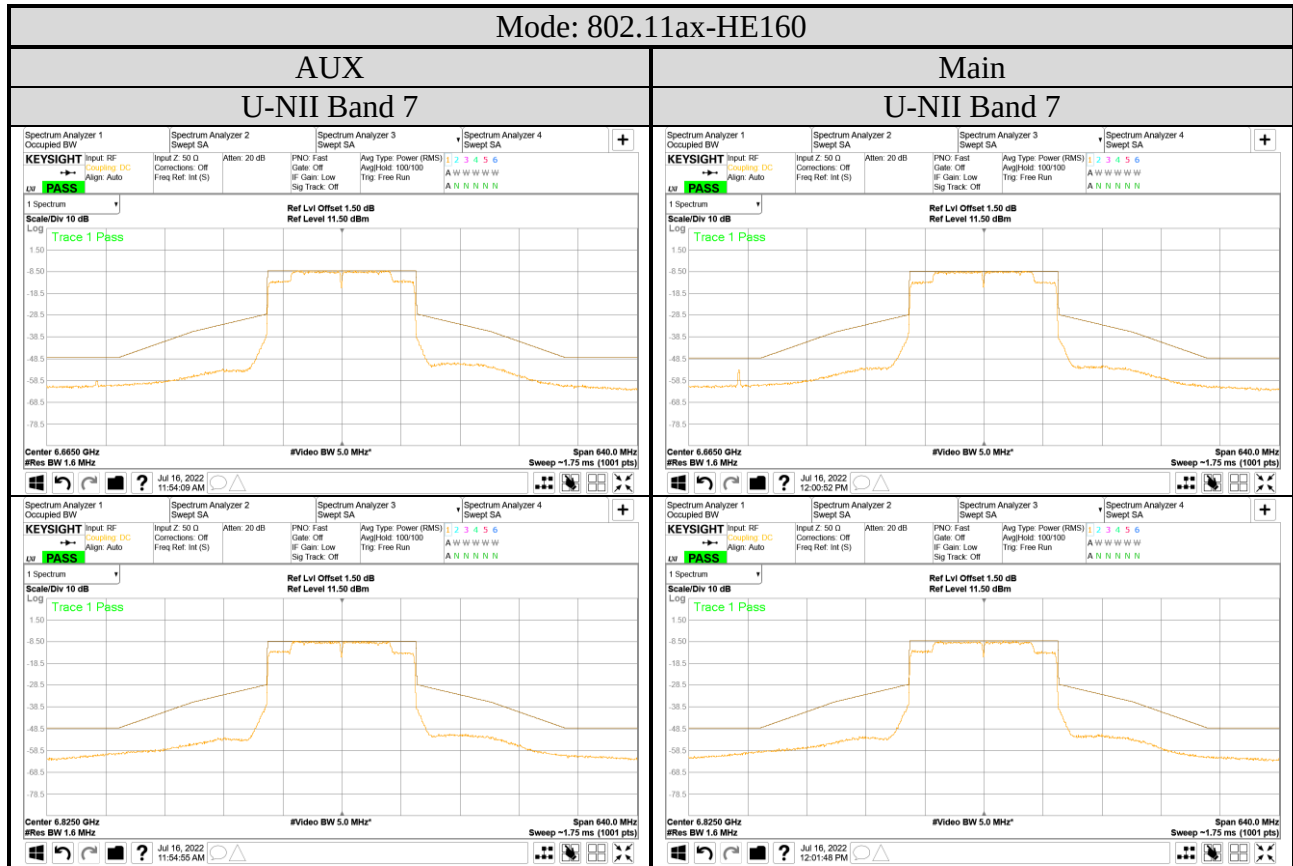
Tel: +886 2 26099301
Fax: +886 2 26099303





Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

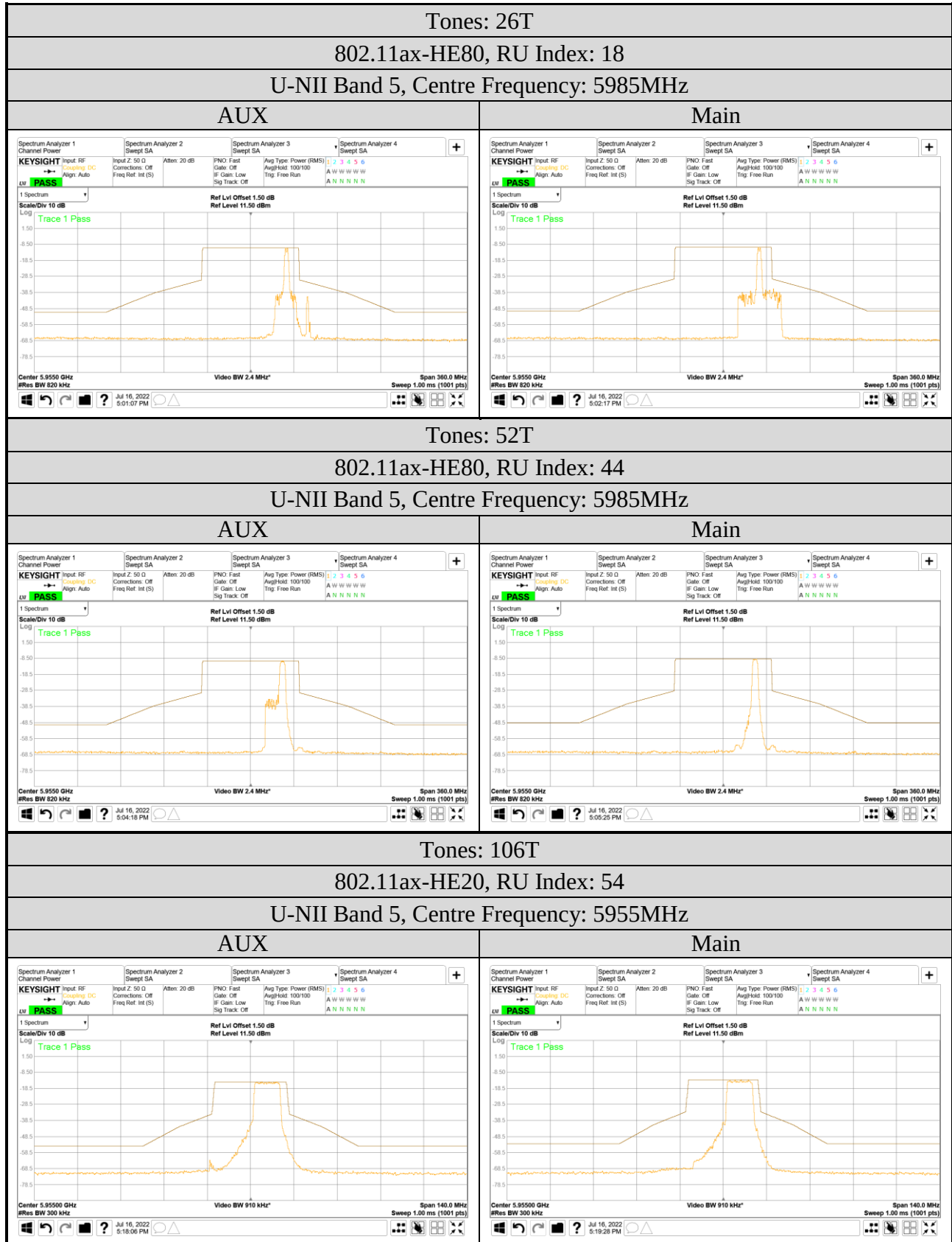
Tel: +886 2 26099301
Fax: +886 2 26099303



Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

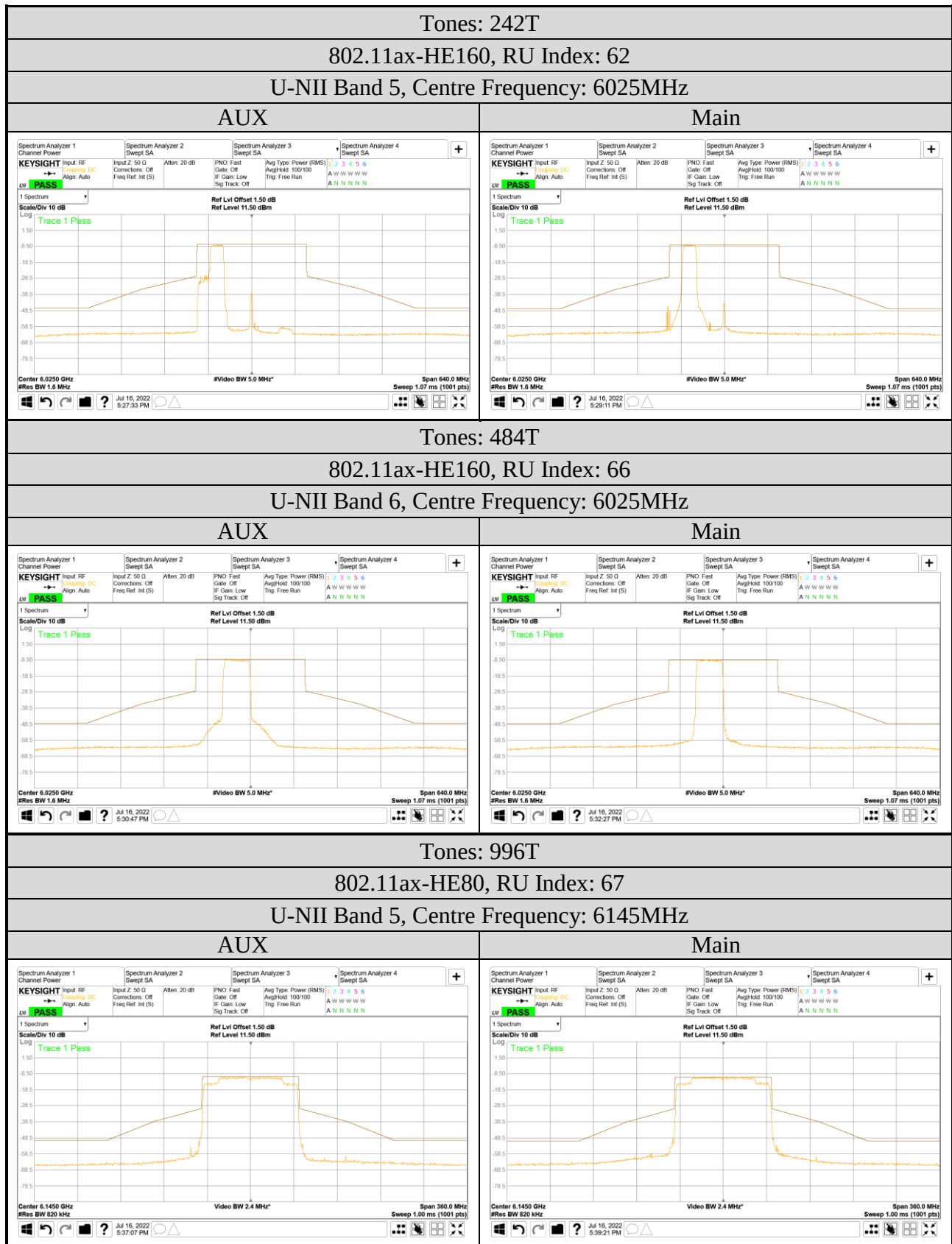
Tel: +886 2 26099301
Fax: +886 2 26099303

● OFDMA Modulation



Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City 244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303



Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

A.8 CONTENTION BASED PROTOCOL

Test Date	2022/07/11 ~ 12	Temp./Hum.	25~ 26°C/41 ~ 42%
Cable Loss	N/A	Tested By	Sam Chang
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.8.1 Contention-based Protocol

● Contention-based Protocol Threshold Incumbent Signal & Mini. Detection level

Mode	U-NII Band	EUT Frequency (MHz)	AWGN Frequency (MHz)	AWGN Power (dBm)	Min. Antenna Gain (dBi)	Path Loss (dB)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status
802.11ax-HE20	5	6135	6135	-31.50	1.40	-30.50	-63.40	-62	OFF
			6135	-40.50	1.40	-30.50	-72.40	-62	Minimum
			6135	-52.00	1.40	-30.50	-83.90	-62	ON
	6	6455	6455	-32.00	1.40	-30.00	-63.40	-62	OFF
			6455	-47.50	1.40	-30.00	-78.90	-62	Minimum
			6455	-51.00	1.40	-30.00	-82.40	-62	ON
	7	6695	6695	-35.50	1.40	-26.50	-63.40	-62	OFF
			6695	-44.00	1.40	-26.50	-71.90	-62	Minimum
			6695	-50.00	1.40	-26.50	-77.90	-62	ON
	8	7015	7015	-35.00	1.40	-27.00	-63.40	-62	OFF
			7015	-39.00	1.40	-27.00	-67.40	-62	Minimum
			7015	-47.50	1.40	-27.00	-75.90	-62	ON

Note 1: The AWGN level is reported for the following conditions:

- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.
 - Minimal: AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently.
 - ON = AWGN level at which no impact on the transmission is detected, consistently for a minimum period of 10 seconds.
- Detected level (Adjusted Power) = Injected AWGN Power (dBm) – Antenna Gain (dBi) + Path Loss (dB).

Note 2: The EUT don't support channel puncturing or BW reduction mechanism.

Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

Mode	U-NII Band	EUT Frequency (MHz)	AWGN Frequency (MHz)	AWGN Power (dBm)	Min. Antenna Gain (dBi)	Path Loss (dB)	Adjusted Power (dBm)	Detection Limit (dBm)	EUT Tx Status
802.11ax-HE160	5	6185	6110	-34.50	1.40	-27.50	-63.40	-62	OFF
			6110	-51.00	1.40	-27.50	-79.90	-62	Minimum
			6110	-52.50	1.40	-27.50	-81.40	-62	ON
			6185	-32.00	1.40	-30.00	-63.40	-62	OFF
			6185	-37.50	1.40	-30.00	-68.90	-62	Minimum
			6185	-45.00	1.40	-30.00	-76.40	-62	ON
			6260	-34.50	1.40	-27.50	-63.40	-62	OFF
			6260	-41.50	1.40	-27.50	-70.40	-62	Minimum
			6260	-44.00	1.40	-27.50	-72.90	-62	ON
	6-7	6505	6430	-33.00	1.40	-29.00	-63.40	-62	OFF
			6430	-46.00	1.40	-29.00	-76.40	-62	Minimum
			6430	-50.00	1.40	-29.00	-80.40	-62	ON
			6505	-34.50	1.40	-27.50	-63.40	-62	OFF
			6505	-41.50	1.40	-27.50	-70.40	-62	Minimum
			6505	-45.00	1.40	-27.50	-73.90	-62	ON
			6580	-34.00	1.40	-28.00	-63.40	-62	OFF
			6580	-41.50	1.40	-28.00	-70.90	-62	Minimum
			6580	-43.50	1.40	-28.00	-72.90	-62	ON
	7	6665	6590	-36.00	1.40	-26.00	-63.40	-62	OFF
			6590	-48.00	1.40	-26.00	-75.40	-62	Minimum
			6590	-50.50	1.40	-26.00	-77.90	-62	ON
			6665	-29.00	1.40	-33.00	-63.40	-62	OFF
			6665	-36.00	1.40	-33.00	-70.40	-62	Minimum
			6665	-38.00	1.40	-33.00	-72.40	-62	ON
			6740	-31.50	1.40	-30.50	-63.40	-62	OFF
			6740	-39.00	1.40	-30.50	-70.90	-62	Minimum
			6740	-42.00	1.40	-30.50	-73.90	-62	ON
	8	6985	6910	-31.00	1.40	-31.00	-63.40	-62	OFF
			6910	-45.50	1.40	-31.00	-77.90	-62	Minimum
			6910	-48.00	1.40	-31.00	-80.40	-62	ON
			6985	-32.00	1.40	-30.00	-63.40	-62	OFF
			6985	-38.00	1.40	-30.00	-69.40	-62	Minimum
			6985	-43.00	1.40	-30.00	-74.40	-62	ON
			7060	-31.00	1.40	-31.00	-63.40	-62	OFF
			7060	-34.50	1.40	-31.00	-66.90	-62	Minimum
			7060	-37.00	1.40	-31.00	-69.40	-62	ON

Note 1: The AWGN level is reported for the following conditions:

- OFF = AWGN level at which no transmission is detected, consistently for a minimum period of 10 seconds.
 - Minimal: AWGN level at which the system begins to trigger the transmission switch-off, albeit not being kept off consistently.
 - ON = AWGN level at which no impact on the transmission is detected, consistently for a minimum period of 10 seconds.
- Detected level (Adjusted Power) = Injected AWGN Power (dBm) – Antenna Gain (dBi) + Path Loss (dB).

Note 2: The EUT don't support channel puncturing or BW reduction mechanism.

Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

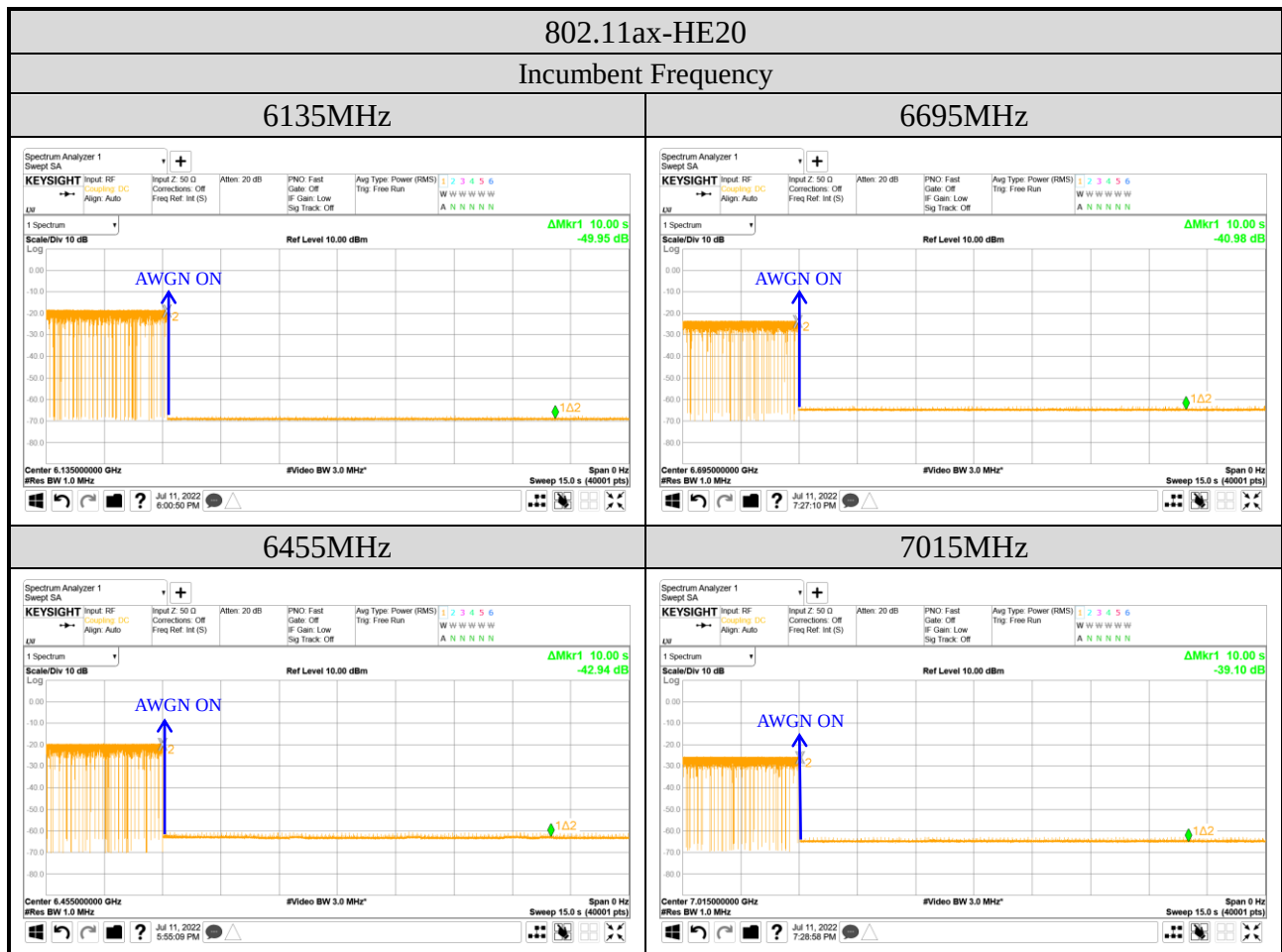
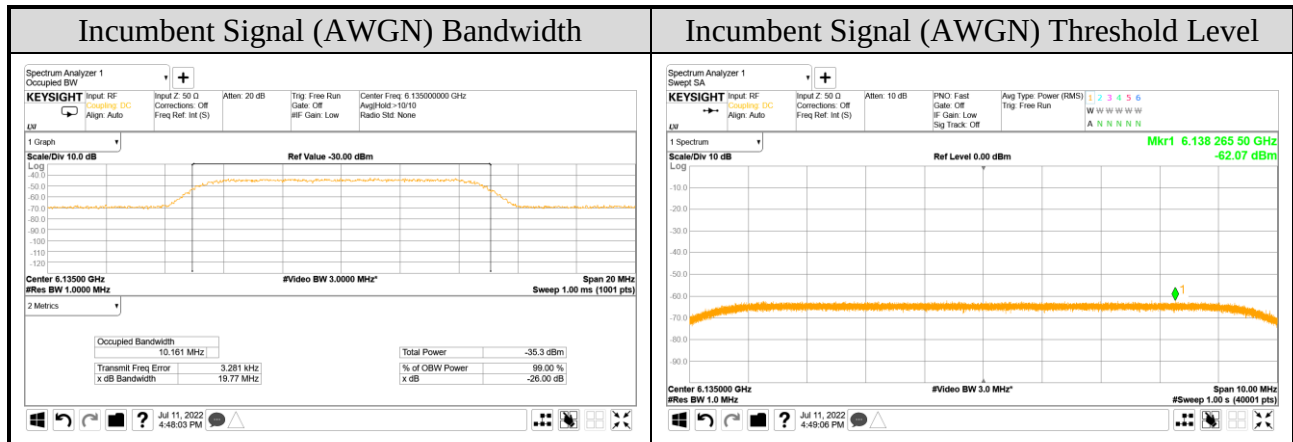
Tel: +886 2 26099301
Fax: +886 2 26099303

● Summary table

Mode	U-NII Band	Centre Frequency (MHz)	Incumbent Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	Detection Possibility (%)	Limit (%)
802.11ax-HE20	5	6135	6135	1	1	1	1	1	1	1	1	1	1	100	90
	6	6455	6455	1	1	1	1	1	1	1	1	1	1	100	90
	7	6695	6695	1	1	1	1	1	1	1	1	1	1	100	90
	8	7015	7015	1	1	1	1	1	1	1	1	1	1	100	90
802.11ax-HE160	5	6185	6110	1	1	1	1	1	1	1	1	1	1	100	90
			6185	1	1	1	1	1	1	1	1	1	1	100	90
			6260	1	1	1	1	1	1	1	1	1	1	100	90
	6-7	6505	6430	1	1	1	1	1	1	1	1	1	1	100	90
			6505	1	1	1	1	1	1	1	1	1	1	100	90
			6580	1	1	1	1	1	1	1	1	1	1	100	90
	7	6665	6590	1	1	1	1	1	1	1	1	1	1	100	90
			6665	1	1	1	1	1	1	1	1	1	1	100	90
			6740	1	1	1	1	1	1	1	1	1	1	100	90
	8	6985	6910	1	1	1	1	1	1	1	1	1	1	100	90
			6985	1	1	1	1	1	1	1	1	1	1	100	90
			7060	1	1	1	1	1	1	1	1	1	1	100	90

Note: CBP Detection Trials (1= Detection, 0= No Detection)

A.8.2 Measurement Plots



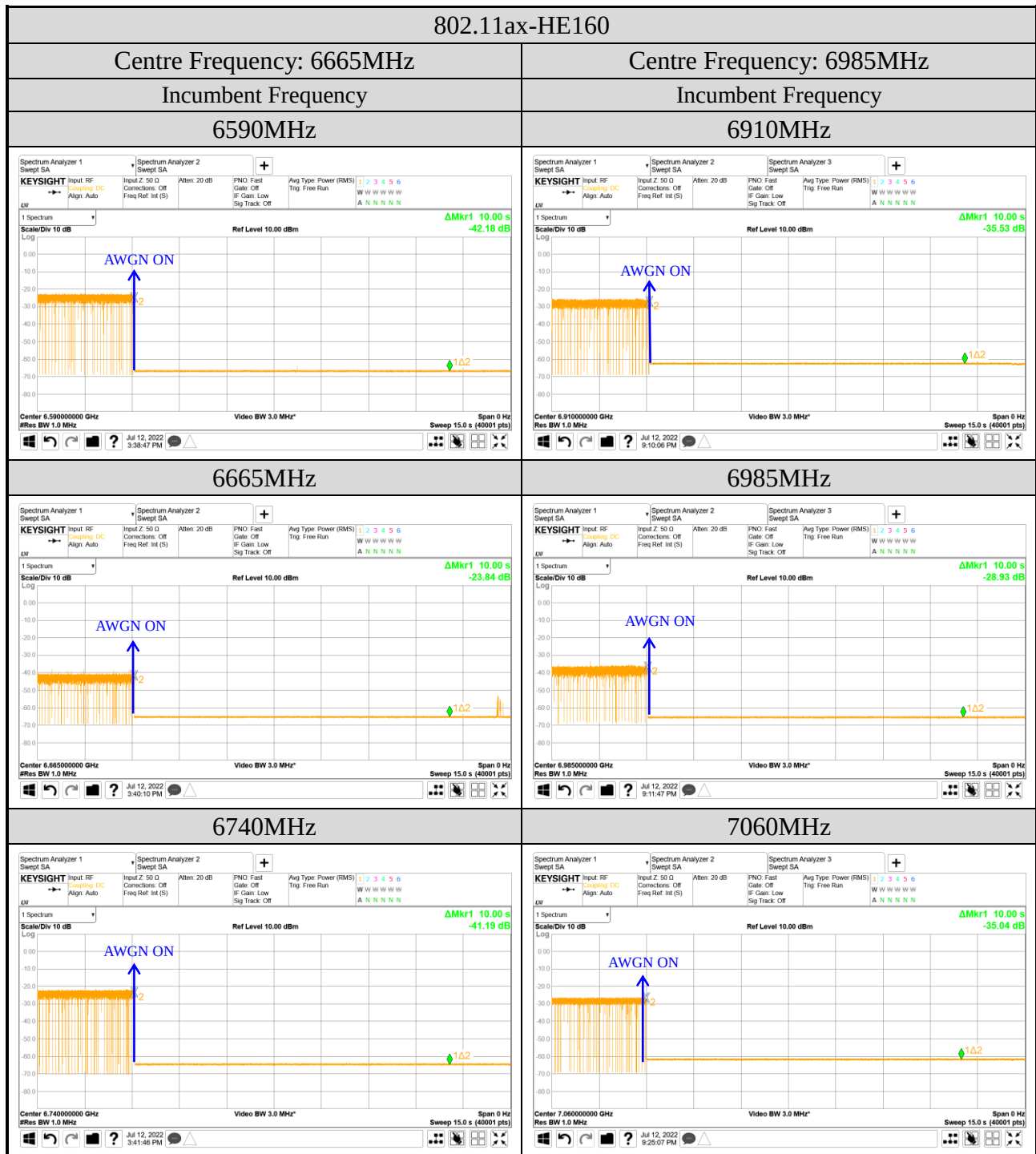
Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303



Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City 244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303





Audix Technology Corp.
No. 491, Zhongfu Rd., Linkou Dist.,
New Taipei City 244, Taiwan

Tel: +886 2 26099301
Fax: +886 2 26099303

APPDNDIX B

TEST PHOTOGRAPHS

(Model: 14ZB90Q)