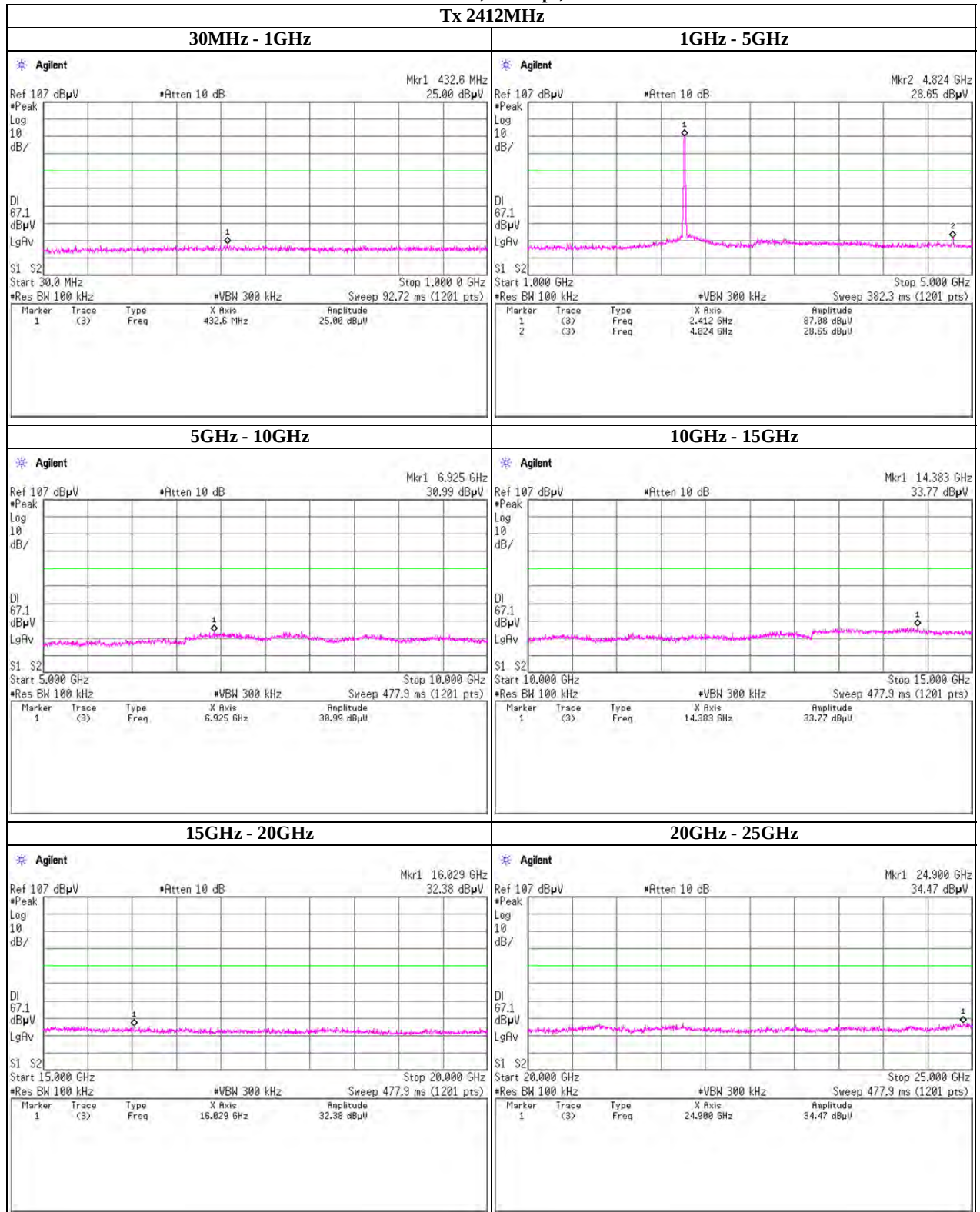


Spurious emission (Conducted)

IEEE802.11b, 11Mbps, PN9



UL Japan, Inc.

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Facsimile : +81 463 50 6401

Spurious emission (Conducted)

IEEE802.11b, 11Mbps, PN9

Tx 2437MHz



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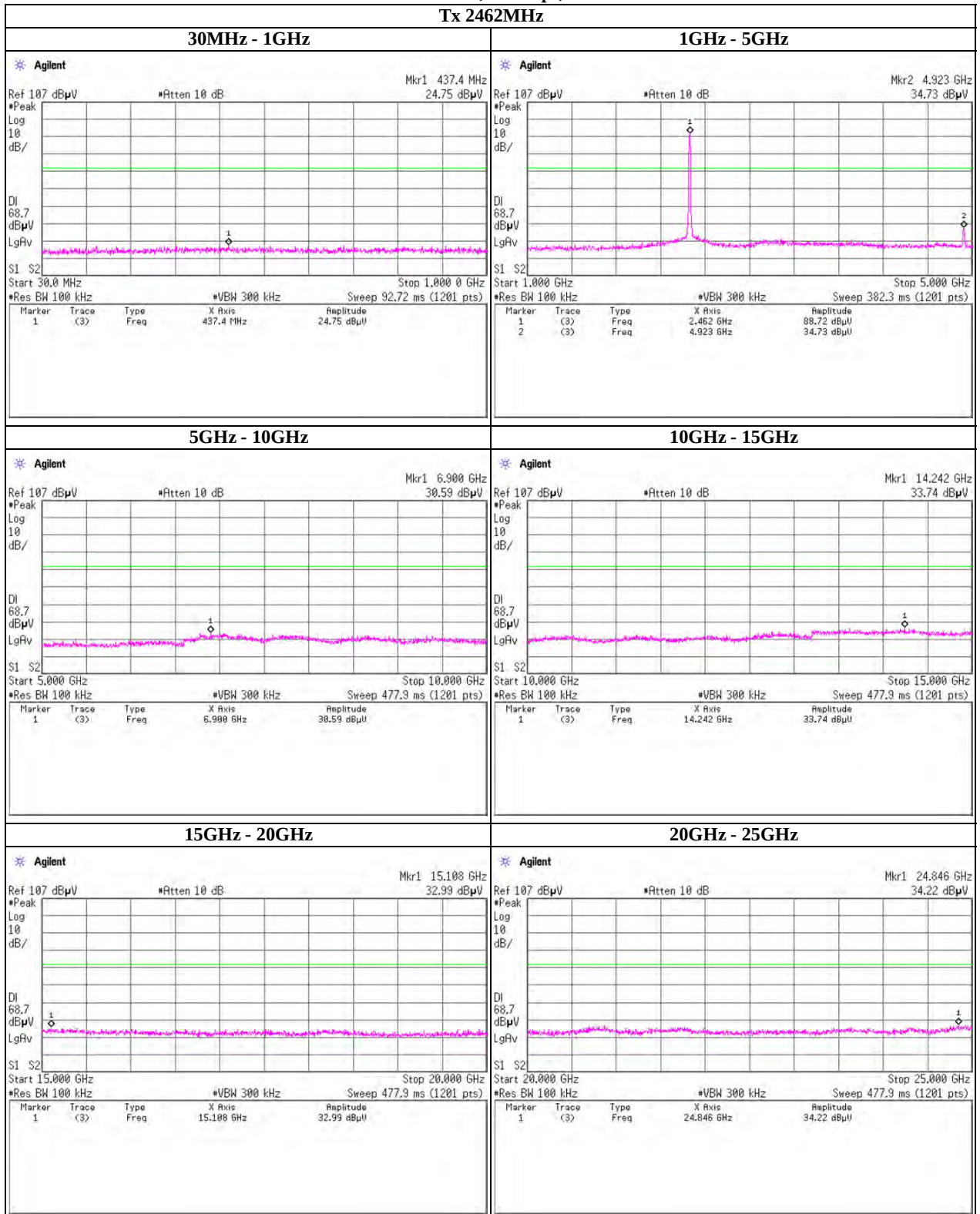
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Facsimile : +81 463 50 6401

Spurious emission (Conducted)

IEEE802.11b, 11Mbps, PN9

Tx 2462MHz



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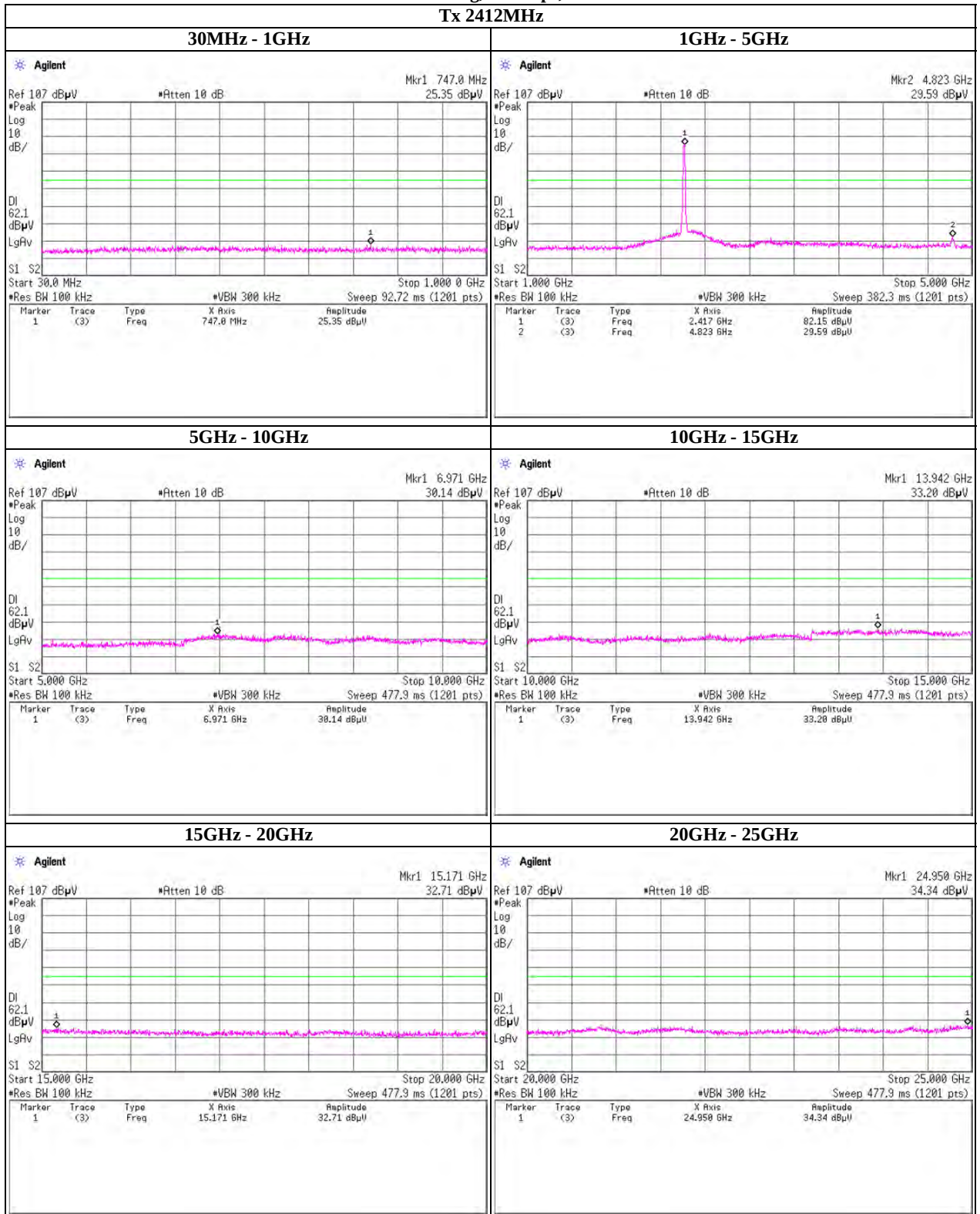
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Facsimile : +81 463 50 6401

Spurious emission (Conducted)

IEEE802.11g, 12Mbps, PN9

Tx 2412MHz



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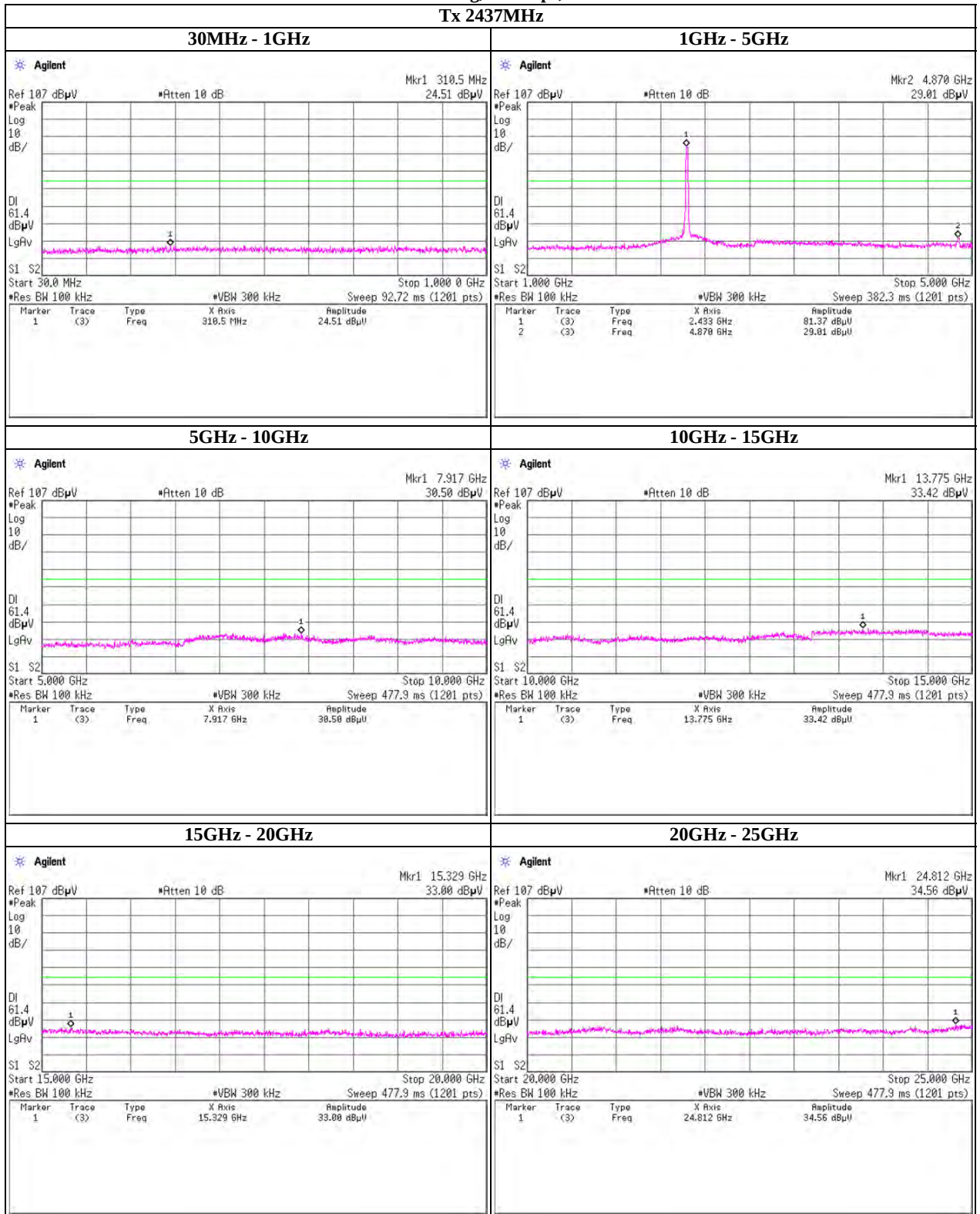
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

IEEE802.11g, 12Mbps, PN9

Tx 2437MHz



UL Japan, Inc.

Shonan EMC Lab.

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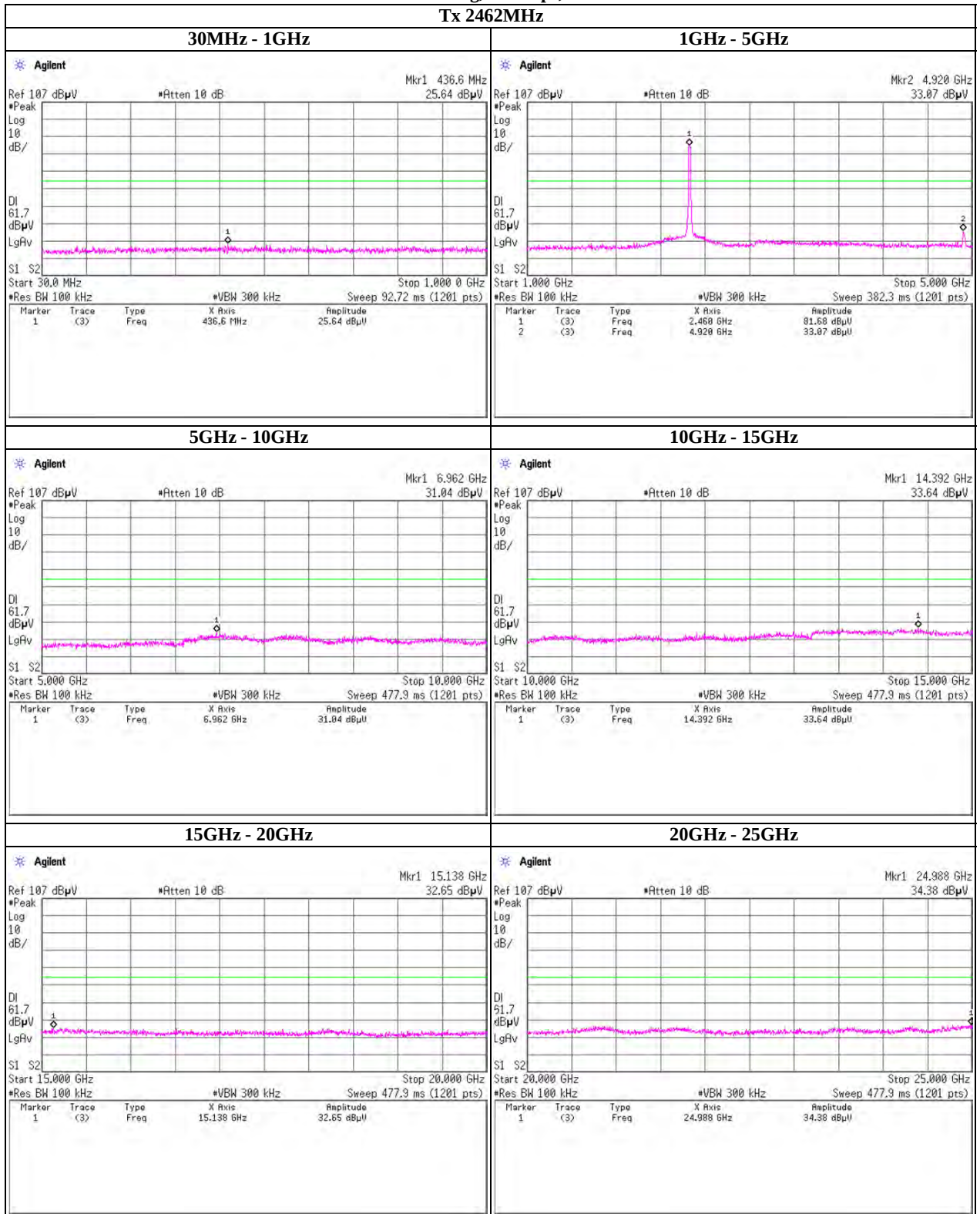
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

IEEE802.11g, 12Mbps, PN9

Tx 2462MHz



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Facsimile : +81 463 50 6401

Spurious emission (Conducted)

IEEE802.11n (20MHz)(SISO), MCS2, PN9



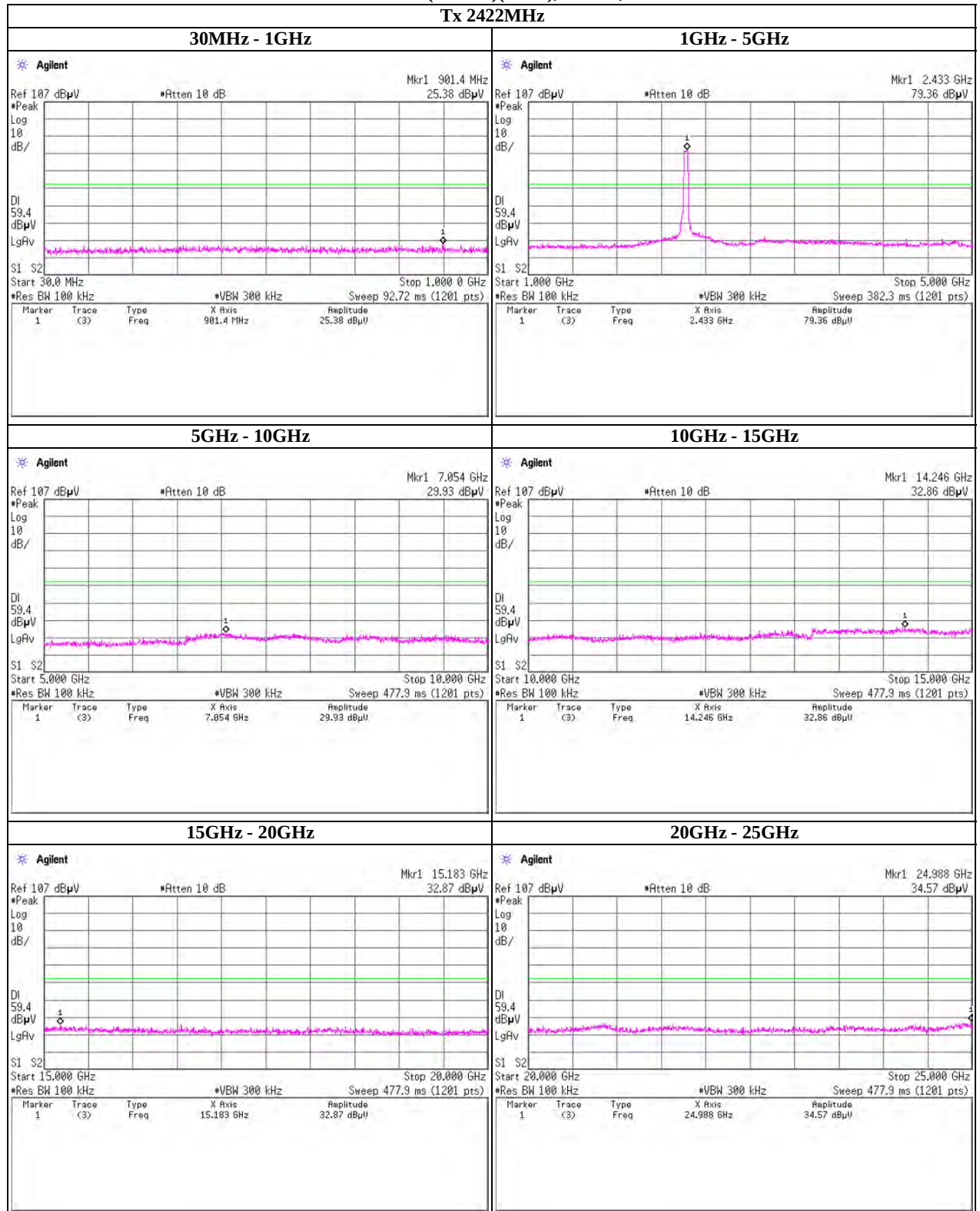
Spurious emission (Conducted)
IEEE802.11n (20MHz)(SISO), MCS2, PN9



Spurious emission (Conducted)
IEEE802.11n (20MHz)(SISO), MCS2, PN9



Spurious emission (Conducted)
IEEE802.11n (40MHz)(SISO), MCS3, PN9



Spurious emission (Conducted)
IEEE802.11n (40MHz)(SISO), MCS3, PN9



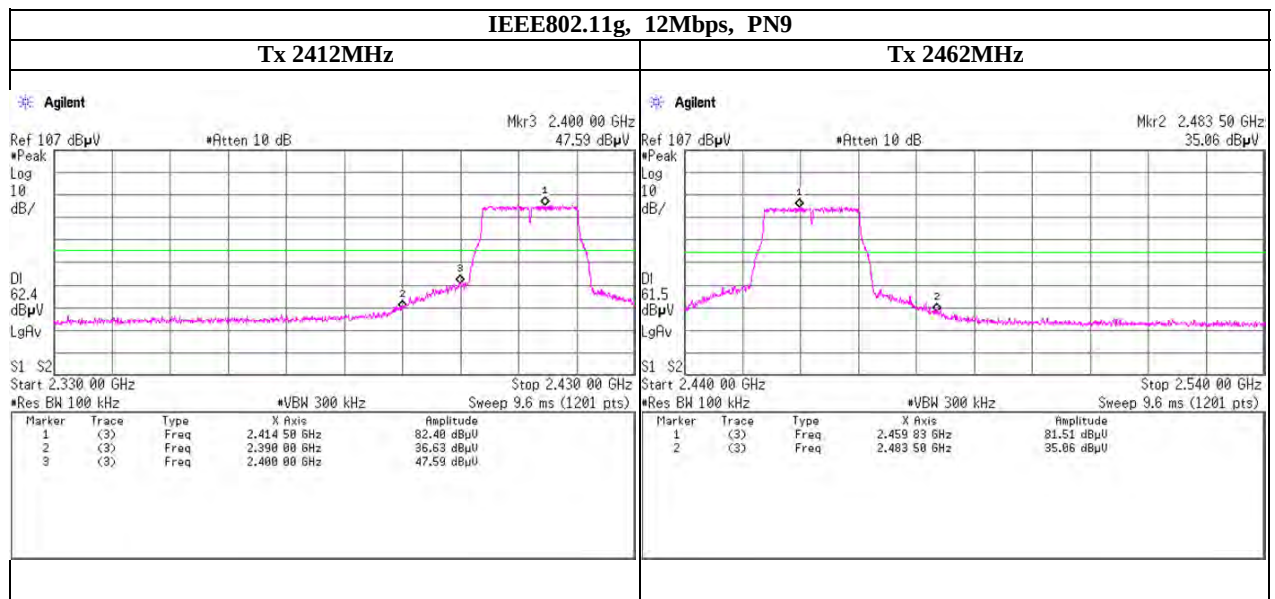
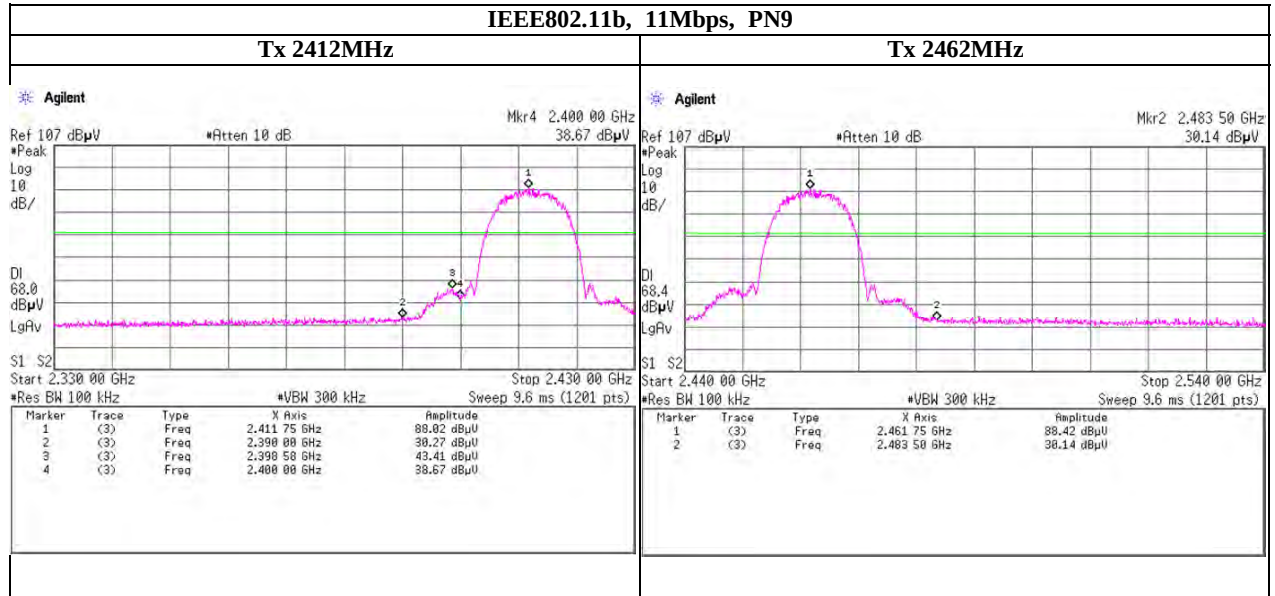
Spurious emission (Conducted)

IEEE802.11n (40MHz)(SISO), MCS3, PN9



Spurious emission (Conducted)

Band Edge compliance



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Shonan EMC Lab.

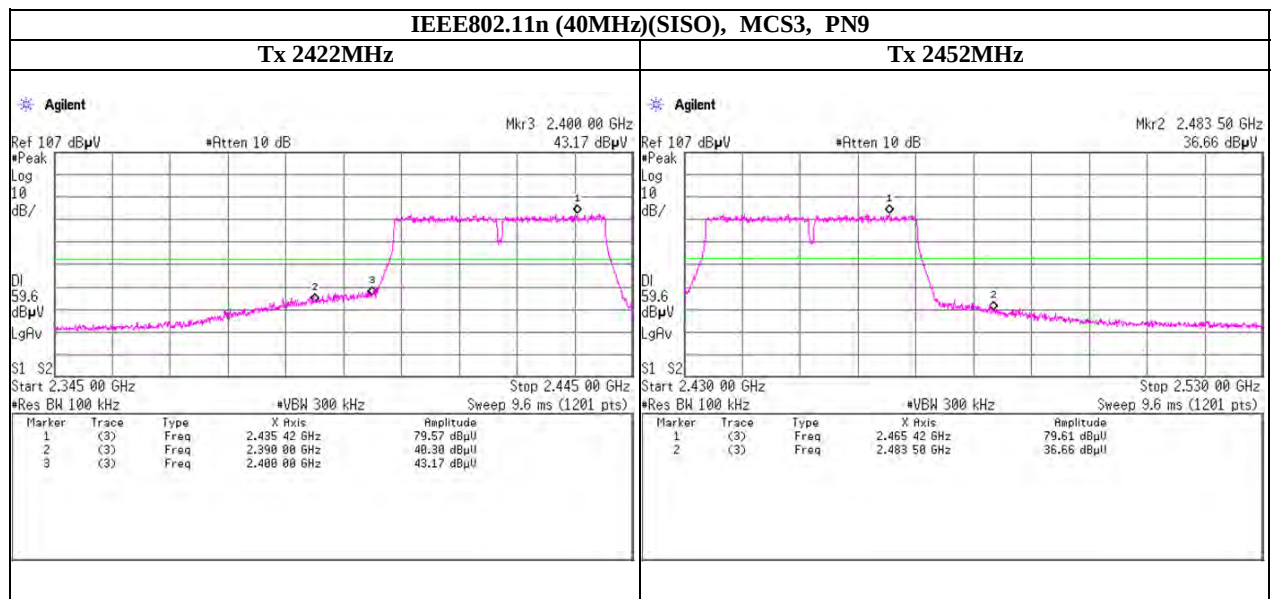
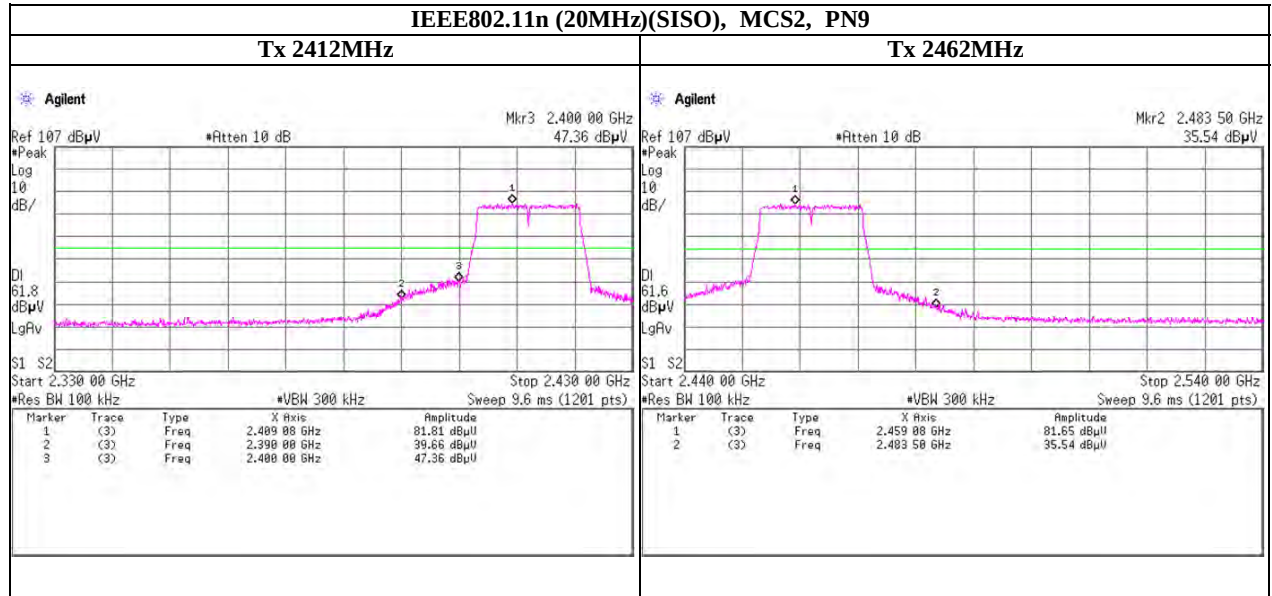
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Spurious emission (Conducted)

Band Edge compliance



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Facsimile : +81 463 50 6401

Power Density

Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
Date 2010/11/15
Temperature / Humidity 24deg.C. , 37%
Engineer Tatsuya Arai
Mode Tx

[IEEE802.11b, 11Mbps, PN9]

Ch. Freq.	Freq.	Reading	Cable Loss	Atten.	Result	Limit	Margin
[MHz]	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]
2412	2410.72	-23.72	1.75	20.16	-1.81	8.00	9.81
2437	2435.72	-23.53	1.75	20.16	-1.62	8.00	9.62
2462	2460.72	-23.38	1.75	20.16	-1.47	8.00	9.47

[IEEE802.11g, 12Mbps, PN9]

Ch. Freq.	Freq.	Reading	Cable Loss	Atten.	Result	Limit	Margin
[MHz]	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]
2412	2408.87	-27.90	1.75	20.16	-5.99	8.00	13.99
2437	2433.87	-28.77	1.75	20.16	-6.86	8.00	14.86
2462	2460.12	-28.16	1.75	20.16	-6.25	8.00	14.25

[IEEE802.11n (20MHz)(SISO), MCS2, PN9]

Ch. Freq.	Freq.	Reading	Cable Loss	Atten.	Result	Limit	Margin
[MHz]	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]
2412	2412.62	-27.43	1.75	20.16	-5.52	8.00	13.52
2437	2437.62	-28.63	1.75	20.16	-6.72	8.00	14.72
2462	2462.62	-28.40	1.75	20.16	-6.49	8.00	14.49

[IEEE802.11n (40MHz)(SISO), MCS3, PN9]

Ch. Freq.	Freq.	Reading	Cable Loss	Atten.	Result	Limit	Margin
[MHz]	[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]
2422	2439.20	-31.51	1.75	20.16	-9.60	8.00	17.60
2437	2454.20	-31.59	1.75	20.16	-9.68	8.00	17.68
2452	2447.93	-31.48	1.75	20.16	-9.57	8.00	17.57

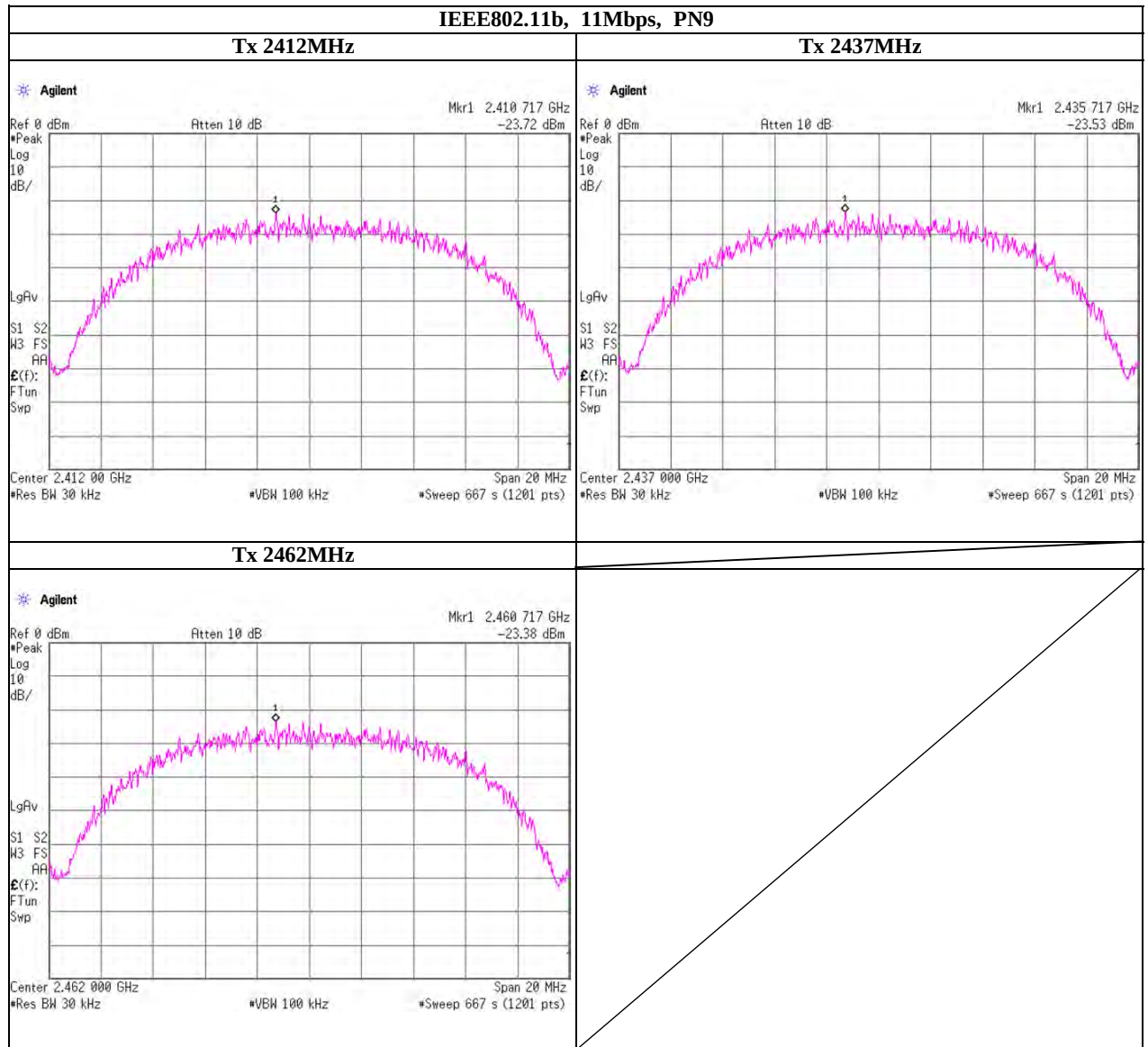
Sample Calculation:

Result = Reading + Cable Loss (supplied by customer) + Atten. Loss

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1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN
Telephone : +81 463 50 6400
Facsimile : +81 463 50 6401

Power Density



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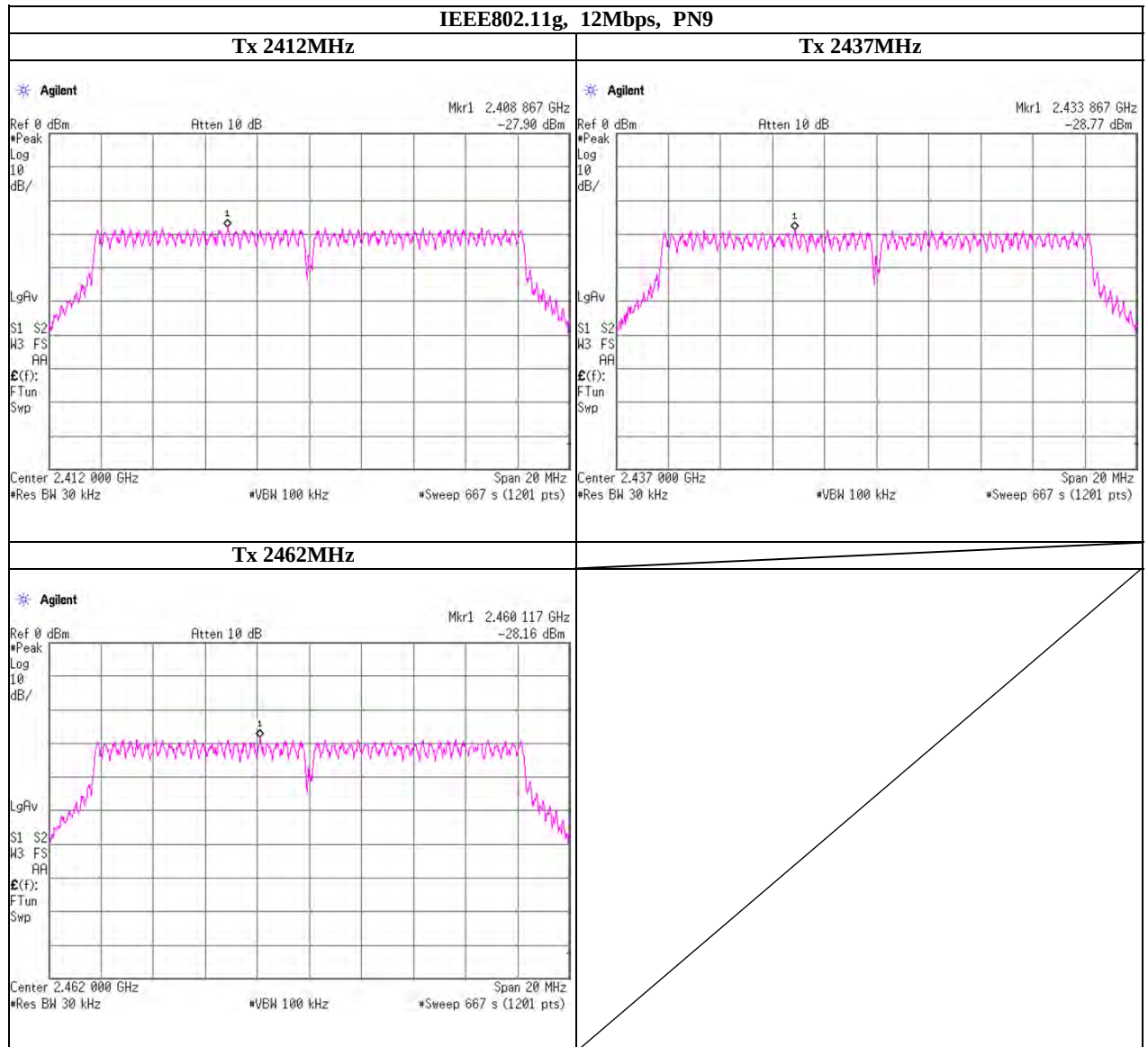
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Telephone : +81 463 50 6400

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Power Density



UL Japan, Inc.

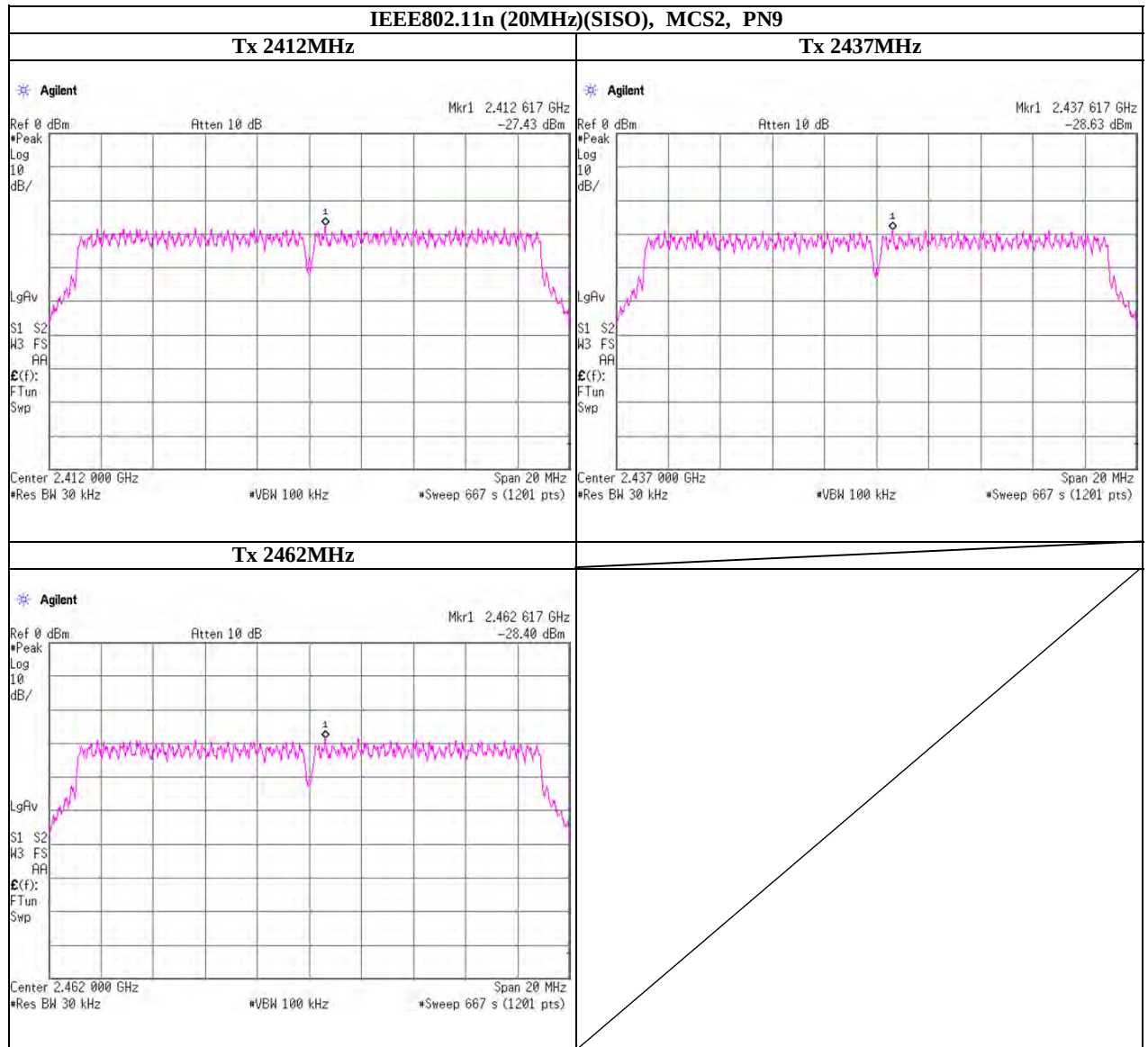
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Power Density



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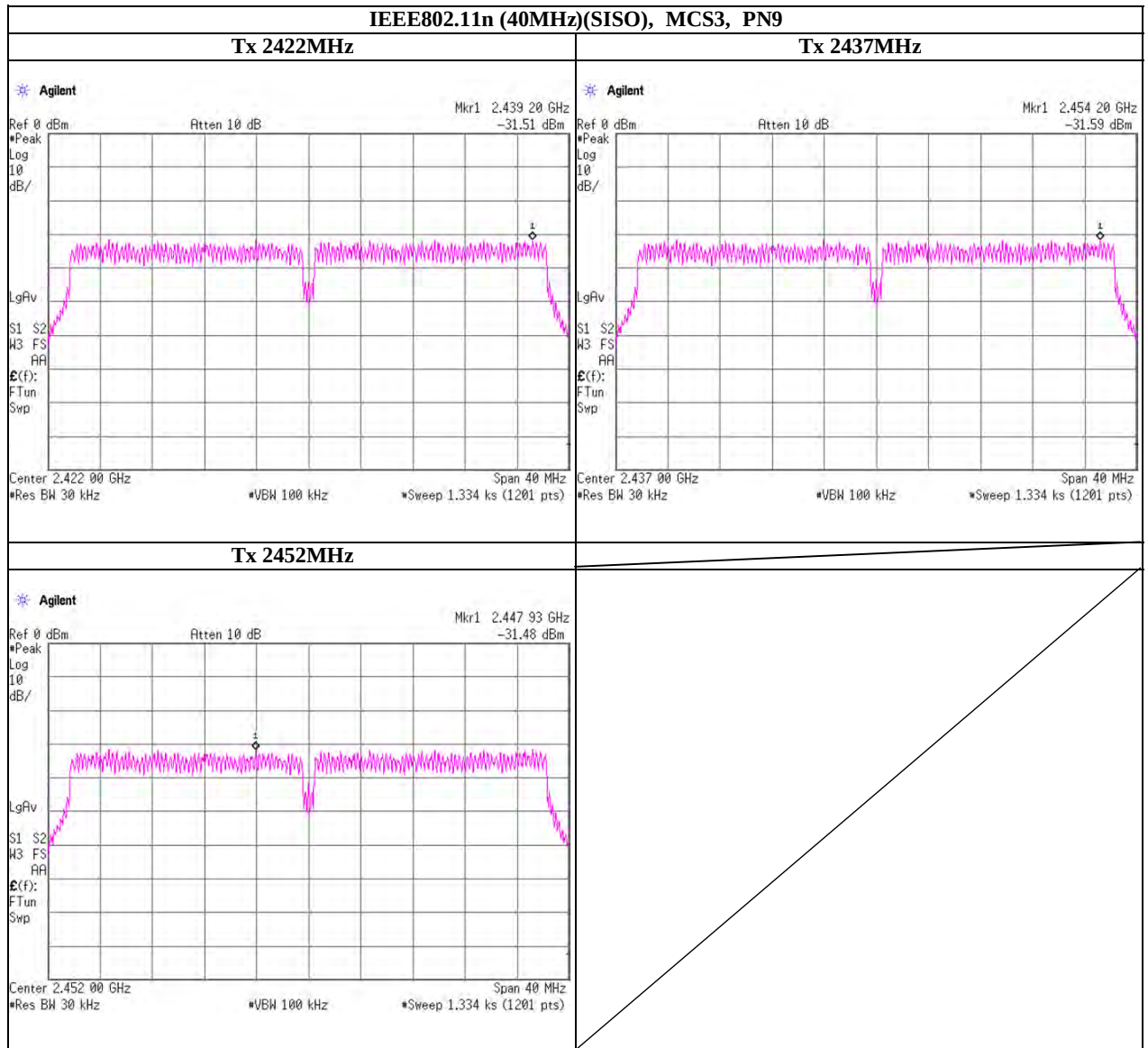
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Power Density



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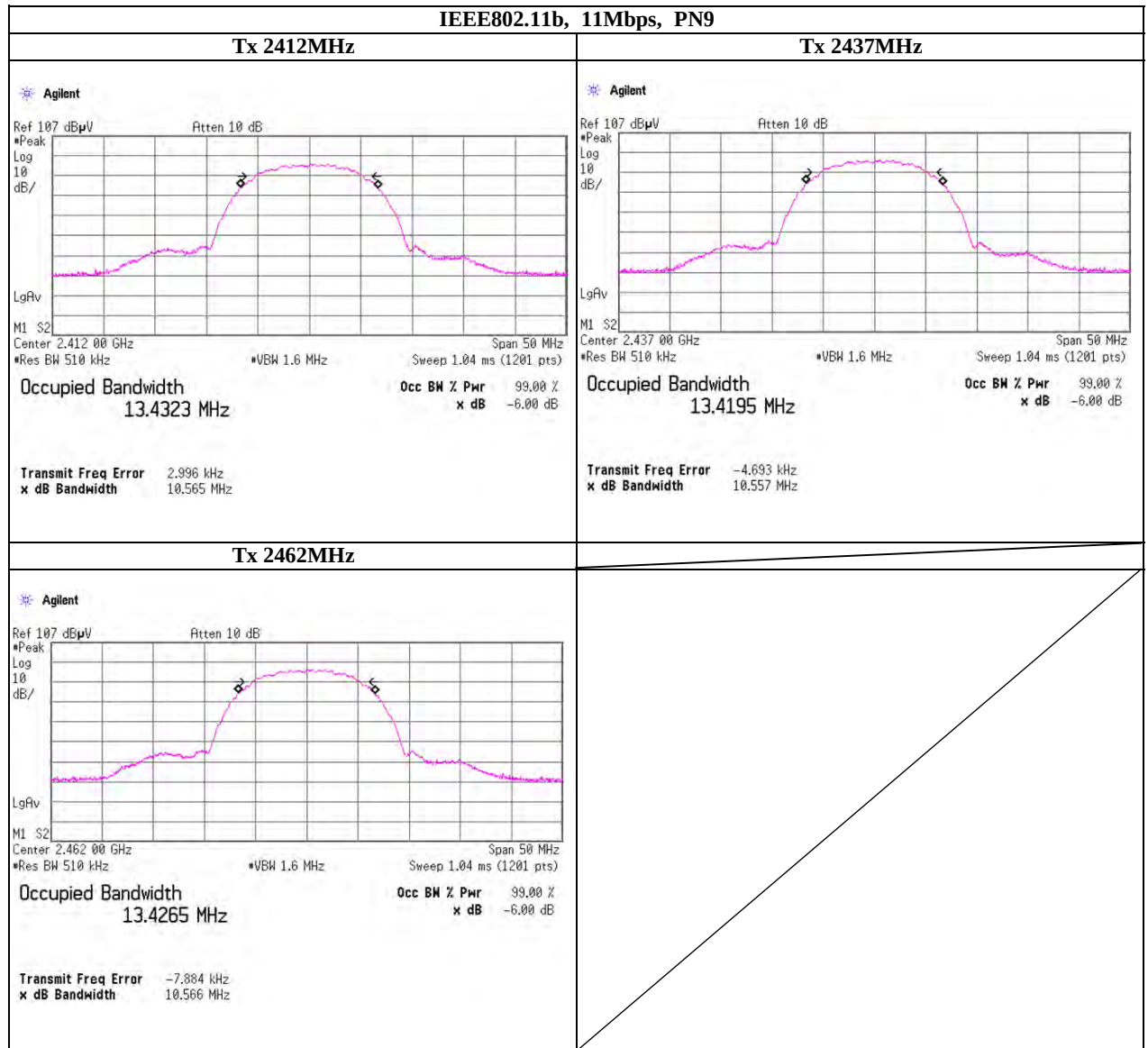
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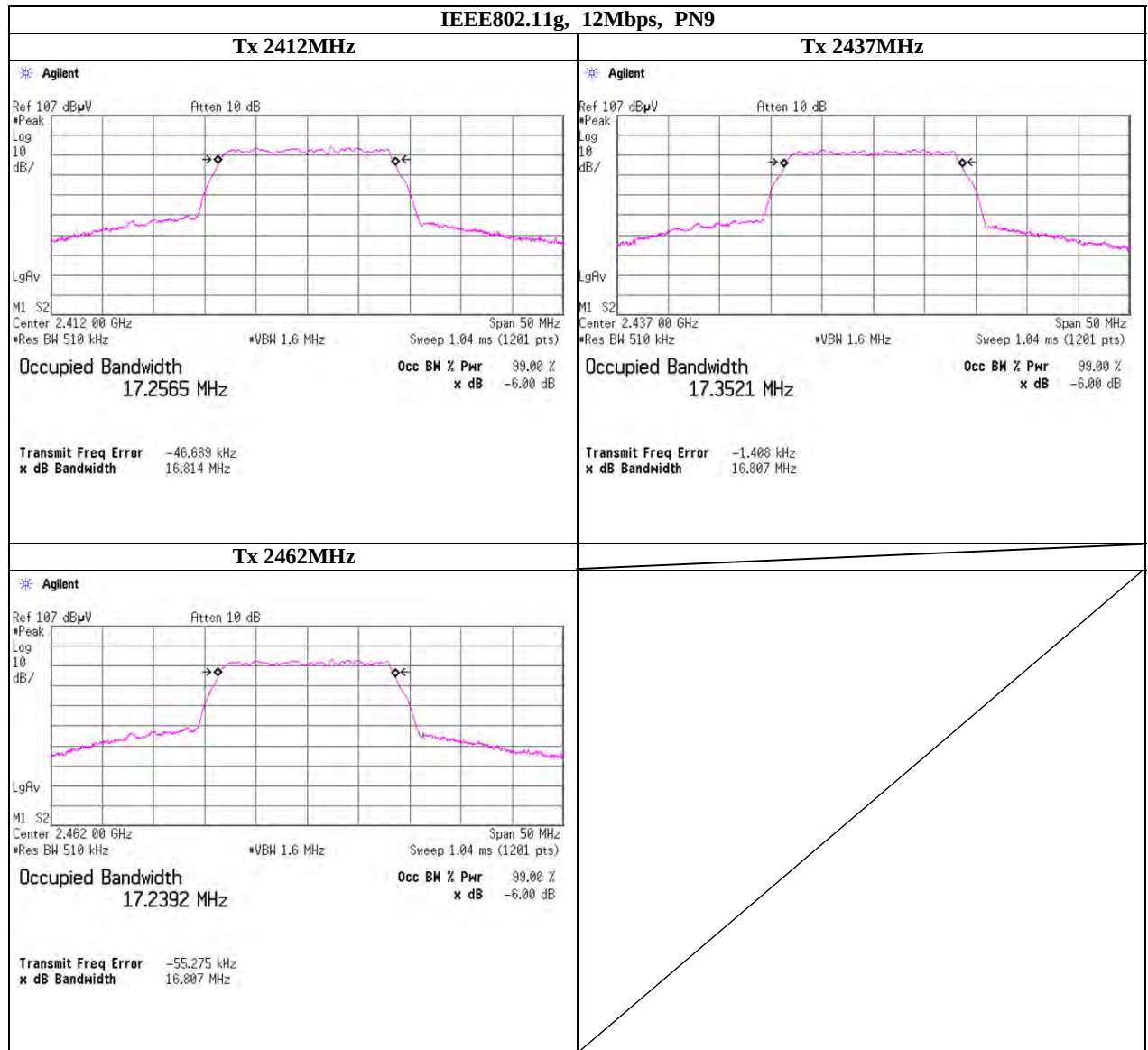
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99% Occupied Bandwidth



99% Occupied Bandwidth



UL Japan, Inc.

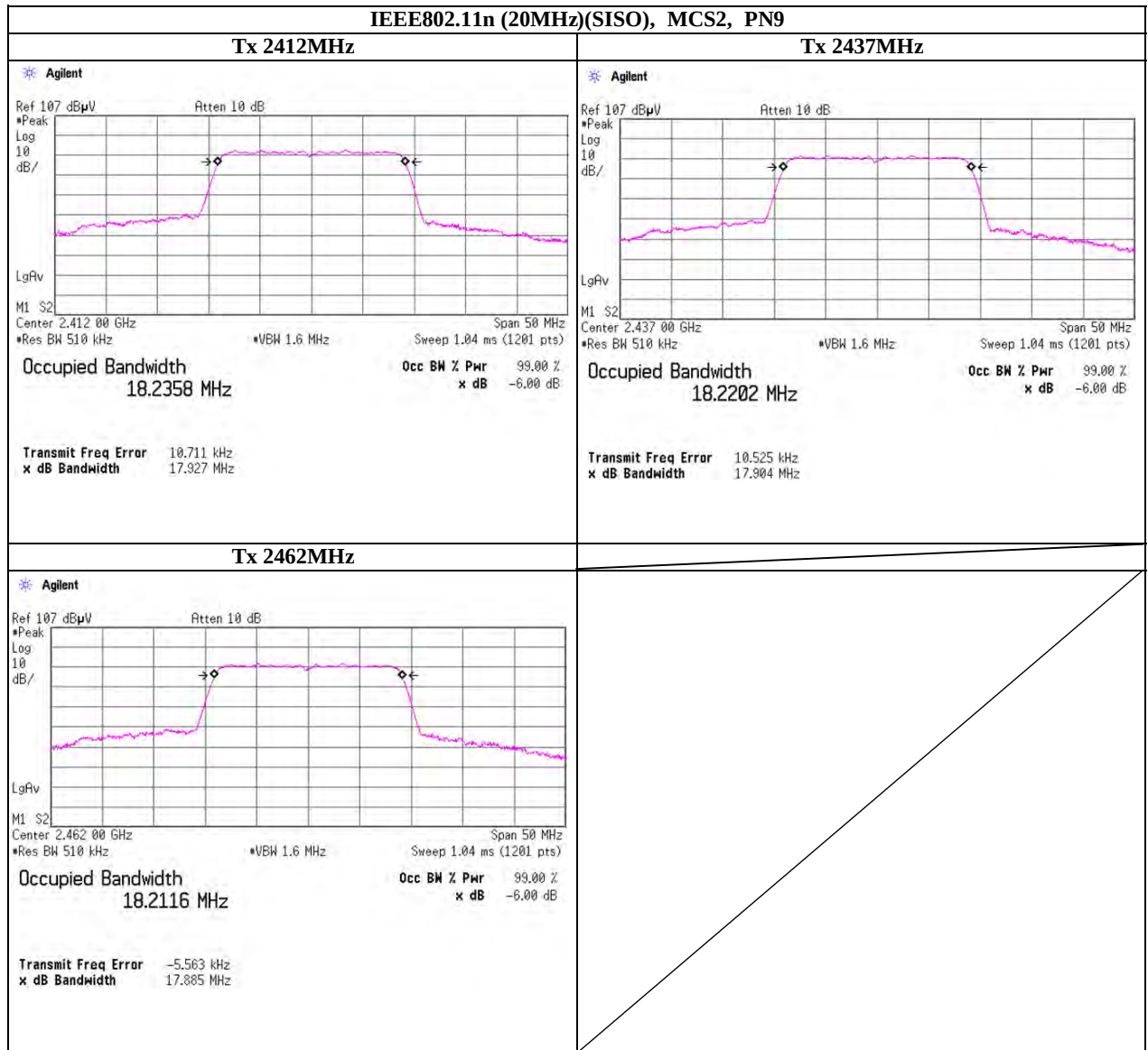
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99% Occupied Bandwidth



UL Japan, Inc.

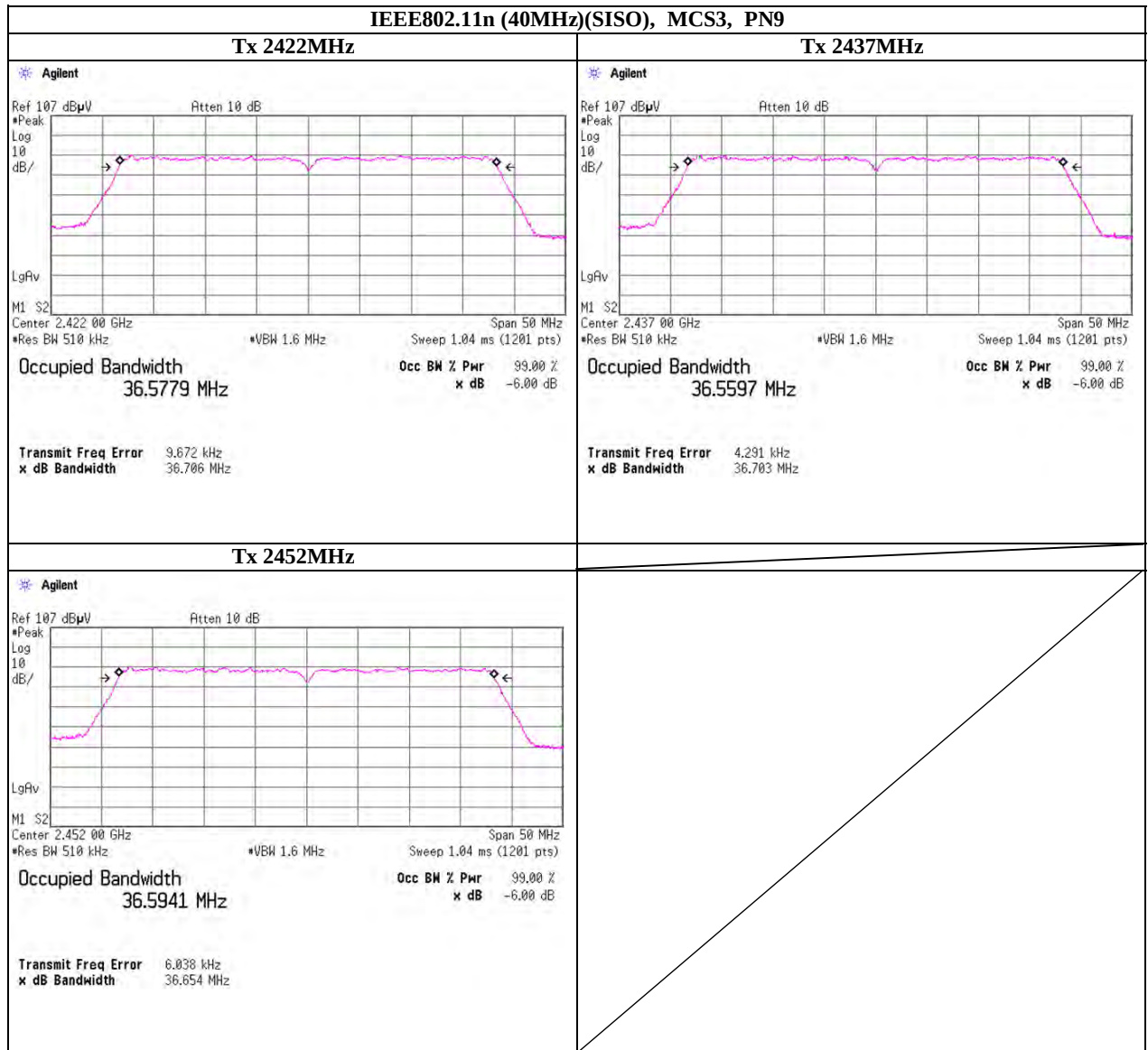
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99% Occupied Bandwidth



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APPENDIX 3: Test instruments

EMI test equipment

[illegible]

The expiration date of the calibration is the end of the expired month.

All equipment is calibrated with traceable calibrations. Each calibration is traceable to the national or international standards.

As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

Test Item:

CE: Conducted Emission

RE: Radiated Emission

AT: Antenna Terminal Conducted test

UL Japan, Inc.

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1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa, Japan 259-1220

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401