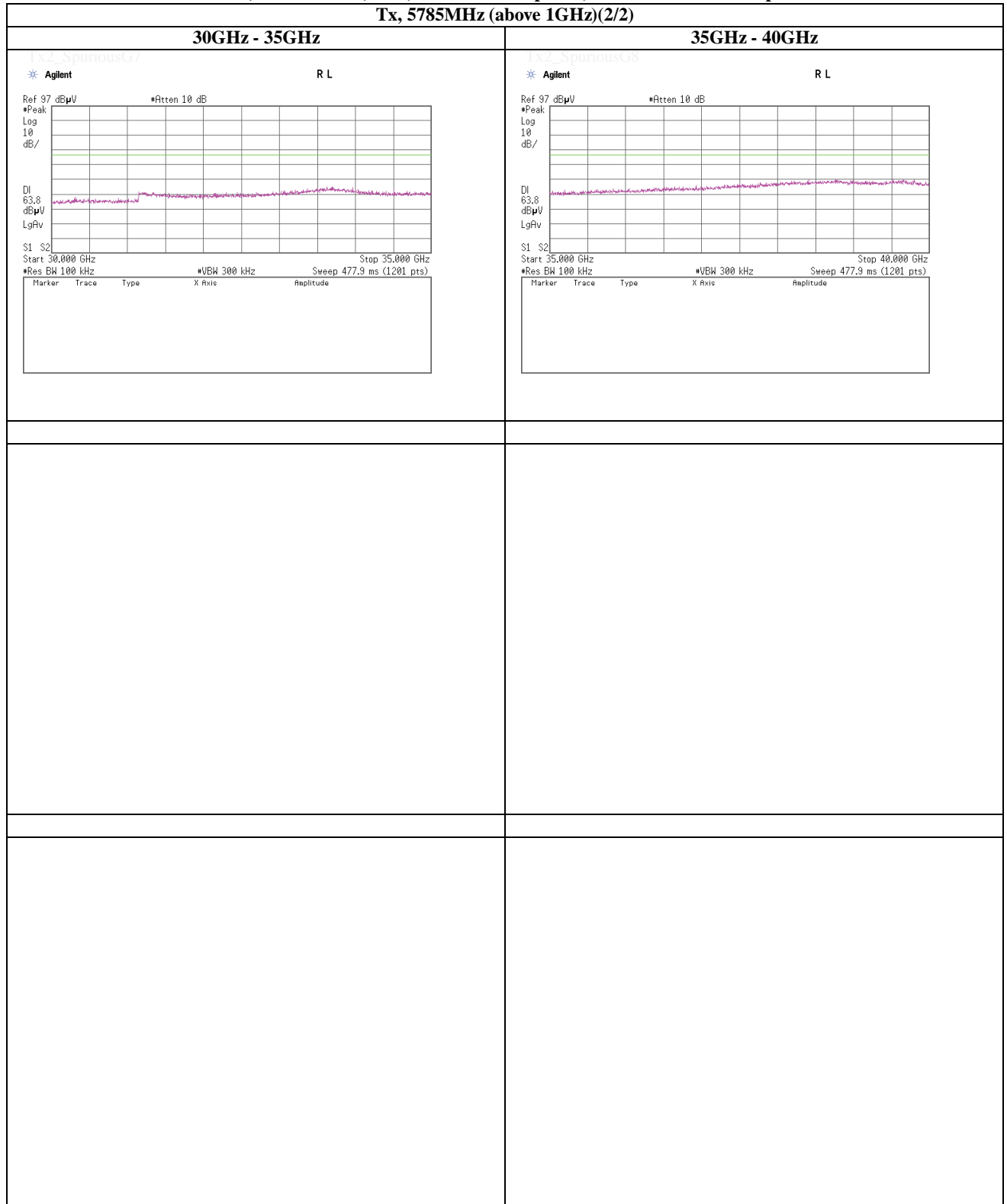


(Reference chart) Spurious emission (Conducted)

Tx, IEEE802.11a, PN9, worst antenna port 1, worst data mode 9Mbps

Tx, 5785MHz (above 1GHz)(2/2)



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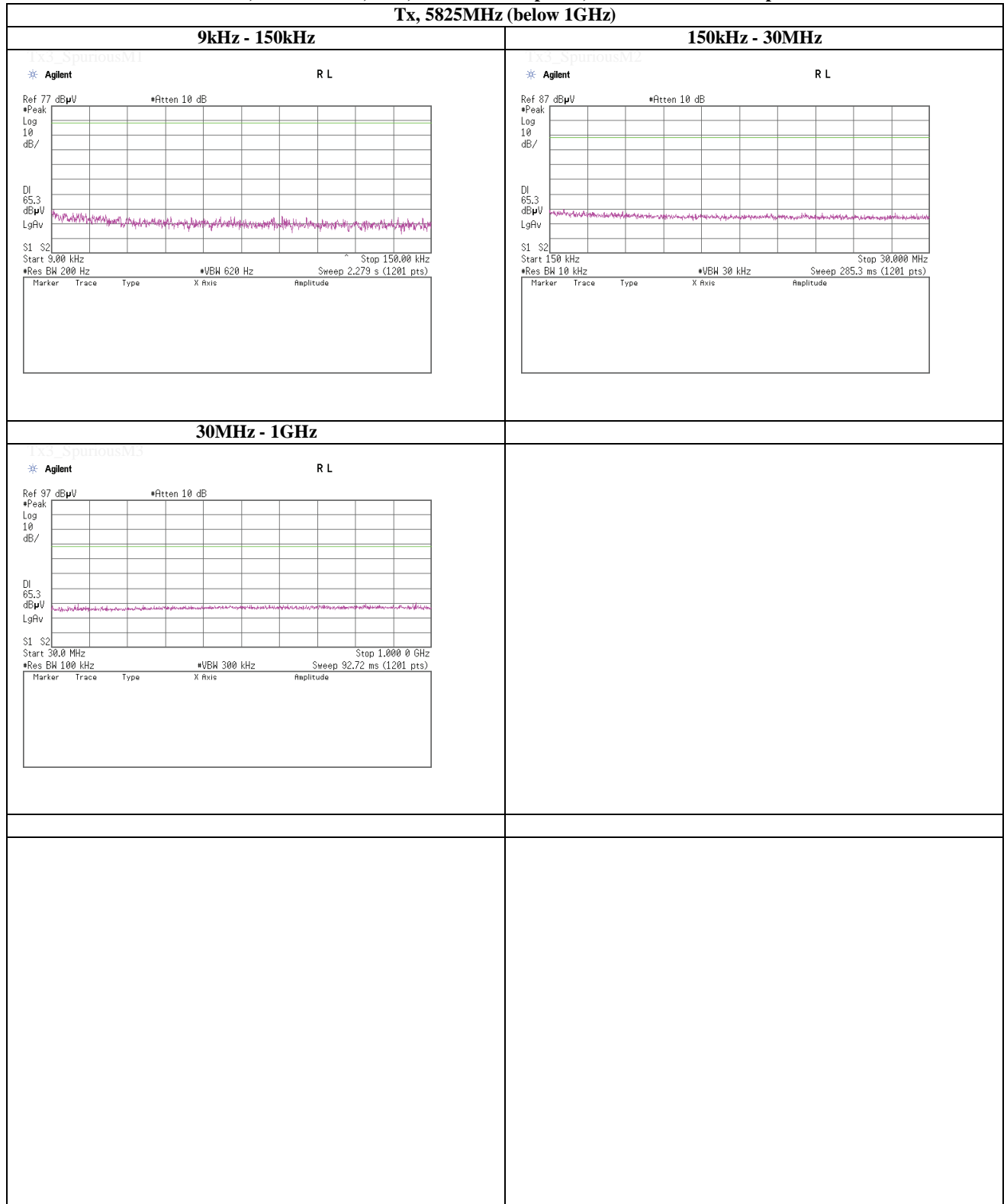
Telephone : +81 463 50 6400

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(Reference chart) Spurious emission (Conducted)

Tx, IEEE802.11a, PN9, worst antenna port 1, worst data mode 9Mbps

Tx, 5825MHz (below 1GHz)



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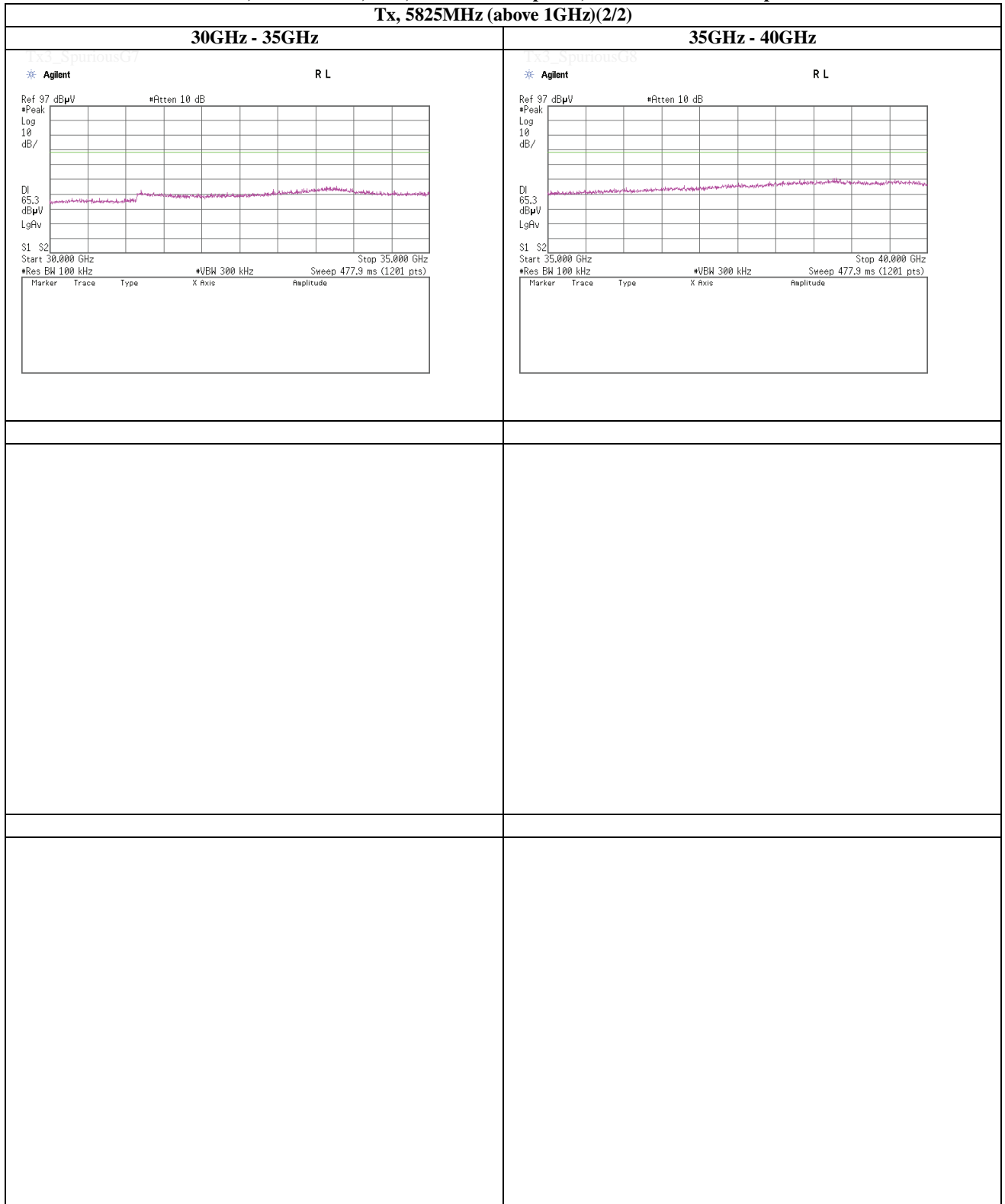
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

(Reference chart) Spurious emission (Conducted)

Tx, IEEE802.11a, PN9, worst antenna port 1, worst data mode 9Mbps

Tx, 5825MHz (above 1GHz)(2/2)



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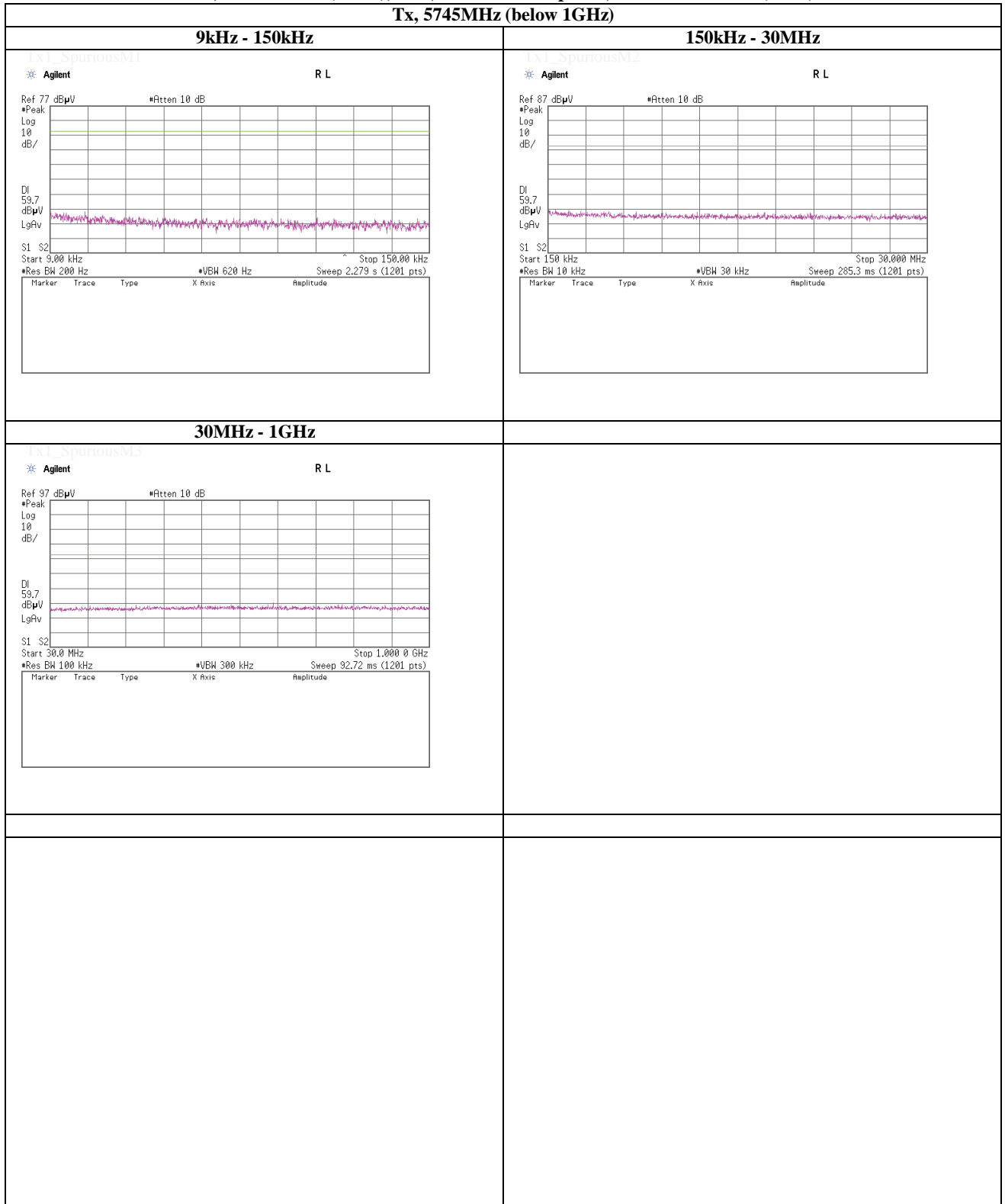
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

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(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT20), PN9, worst antenna port 2, worst data mode 0(MCS)

Tx, 5745MHz (below 1GHz)



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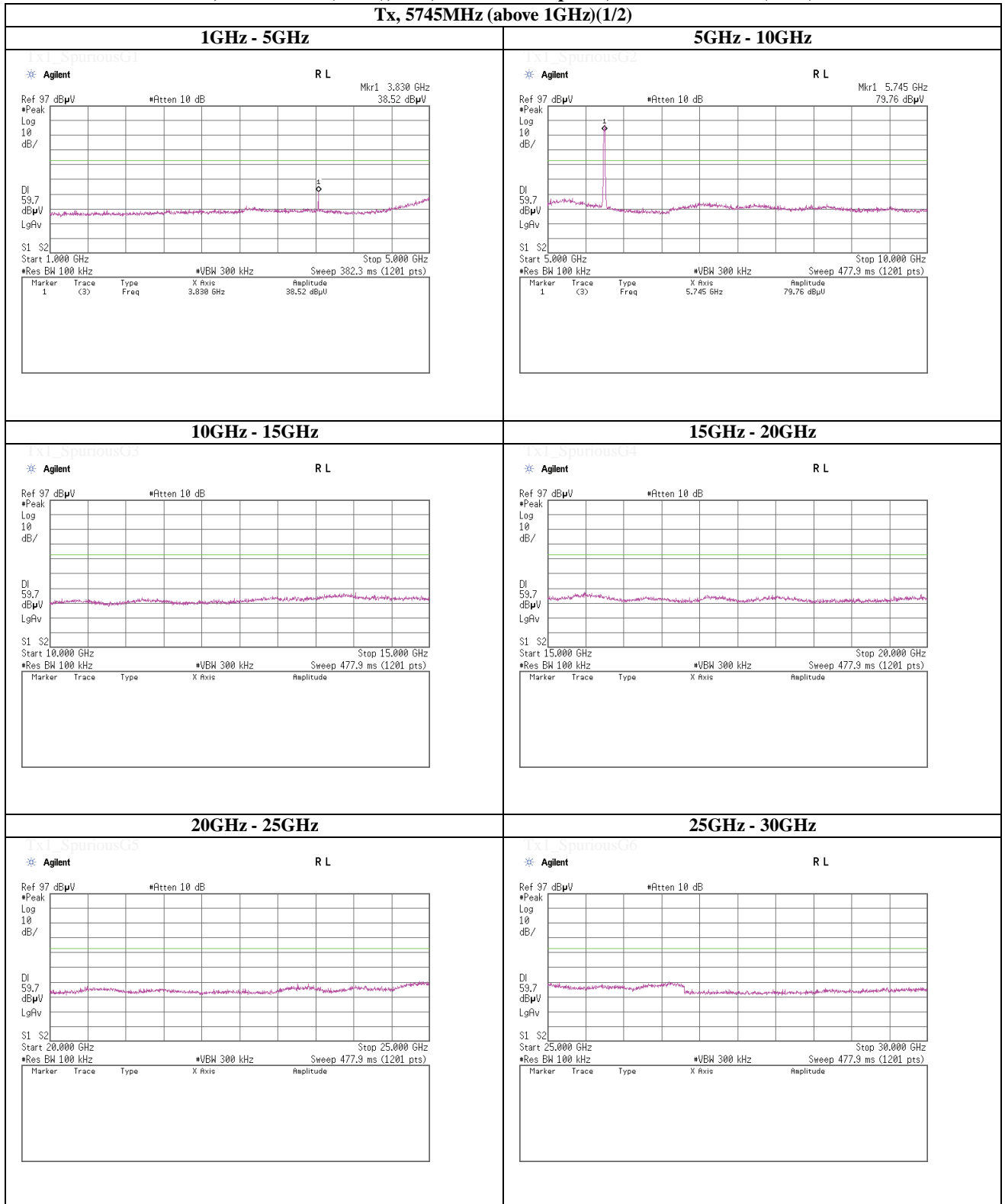
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

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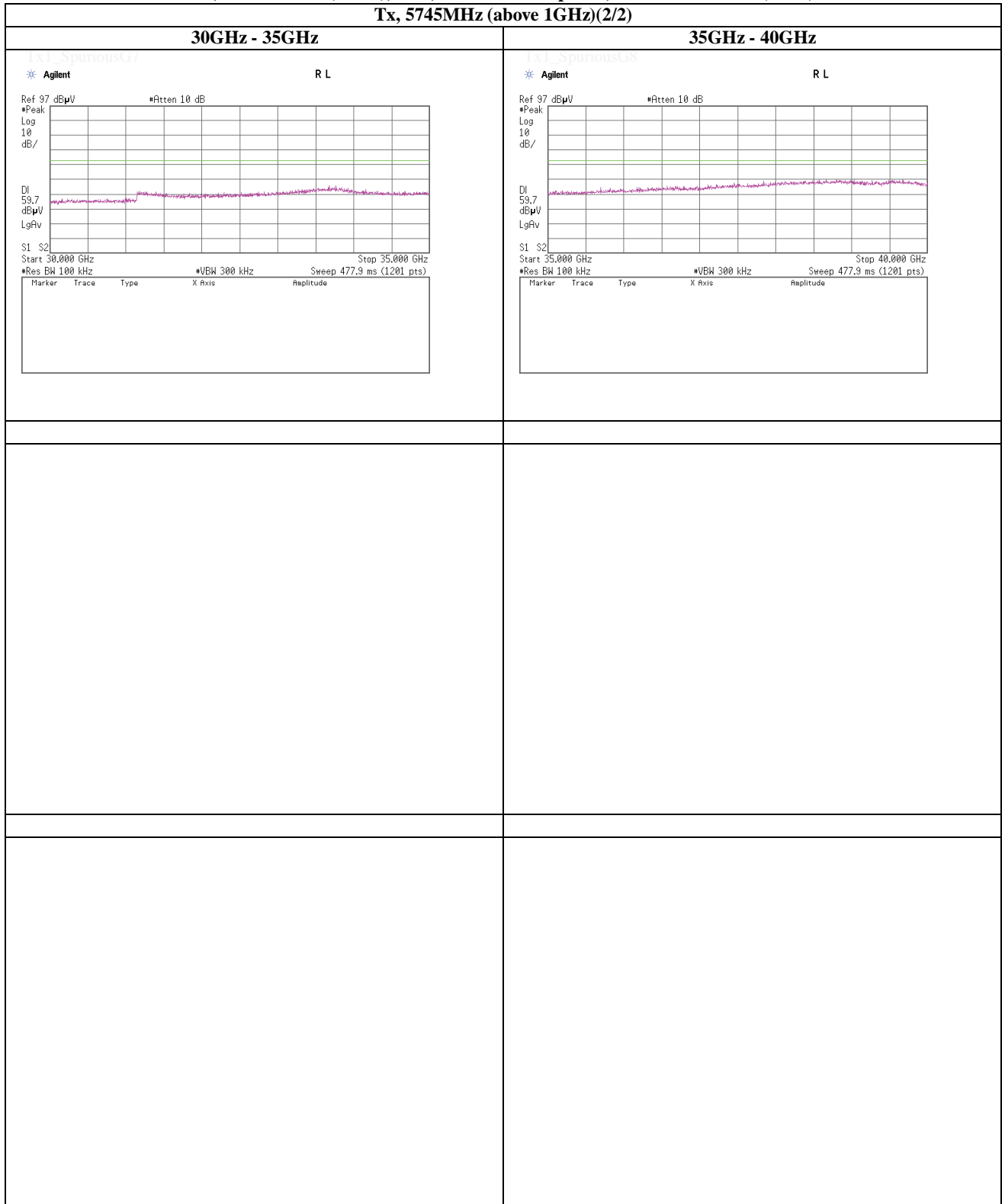
(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT20), PN9, worst antenna port 2, worst data mode 0(MCS)

Tx, 5745MHz (above 1GHz)(1/2)



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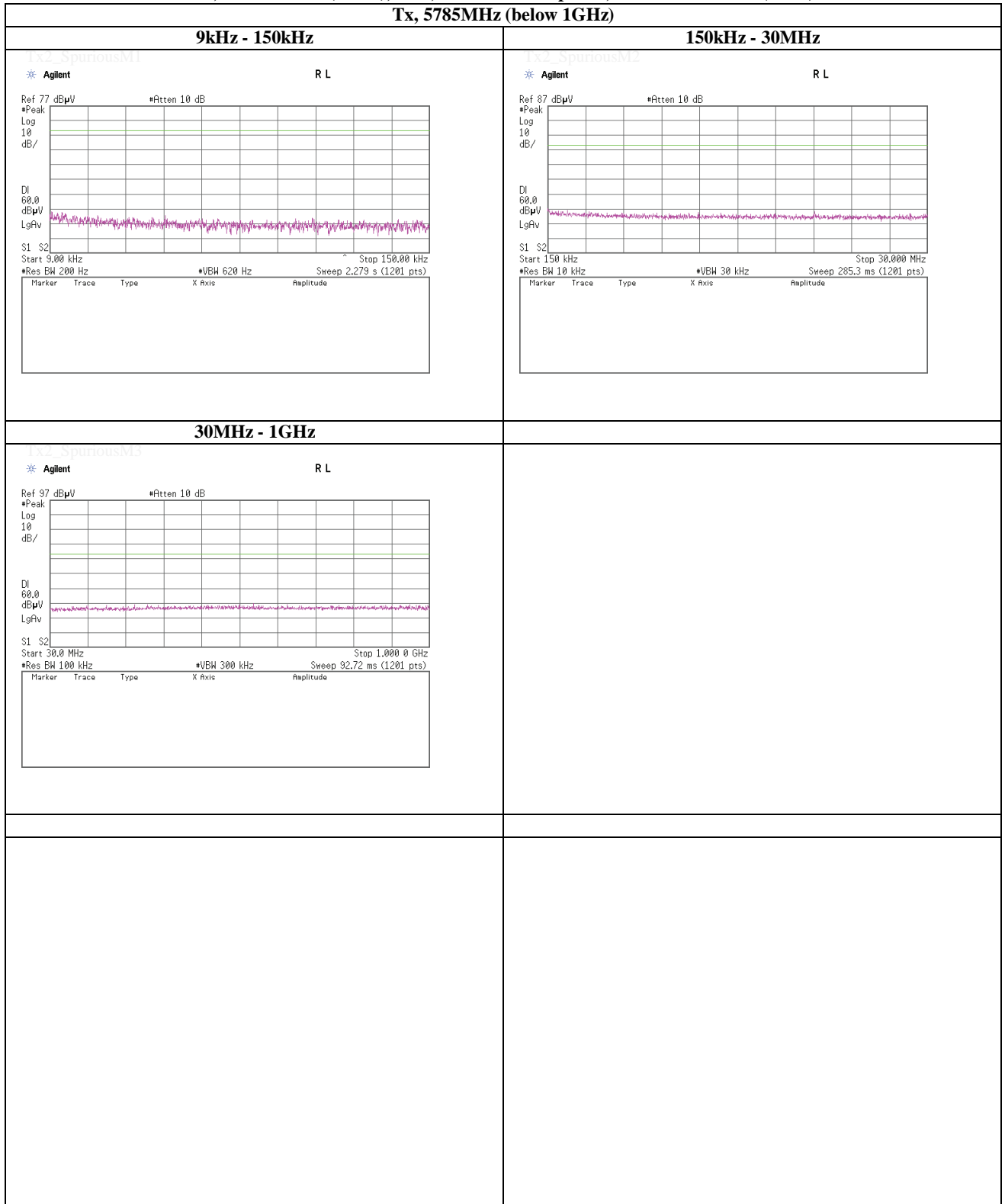
(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT20), PN9, worst antenna port 2, worst data mode 0(MCS)
Tx, 5745MHz (above 1GHz)(2/2)



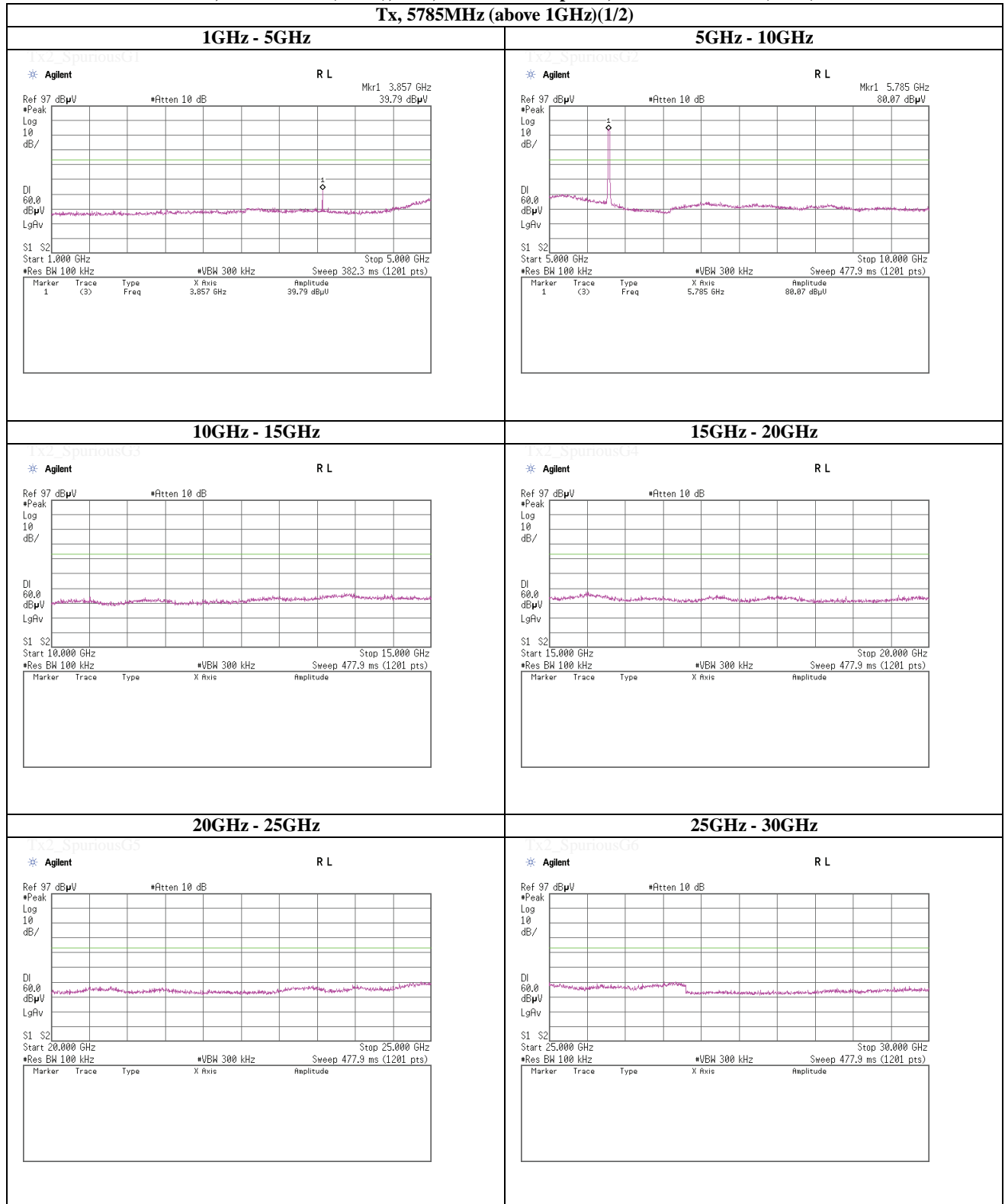
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(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT20), PN9, worst antenna port 2, worst data mode 0(MCS)

Tx, 5785MHz (below 1GHz)

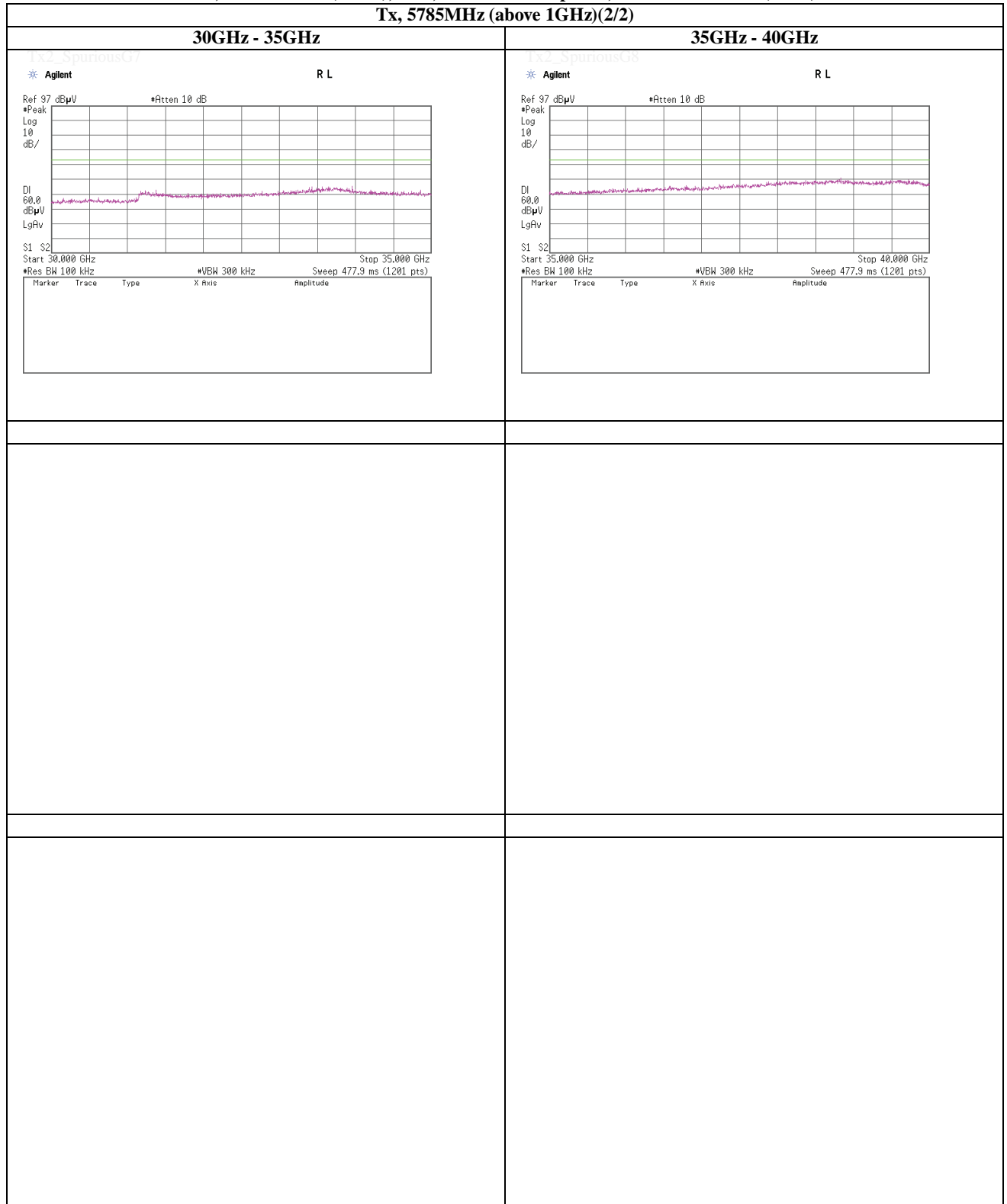


(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT20), PN9, worst antenna port 2, worst data mode 0(MCS)
Tx, 5785MHz (above 1GHz)(1/2)



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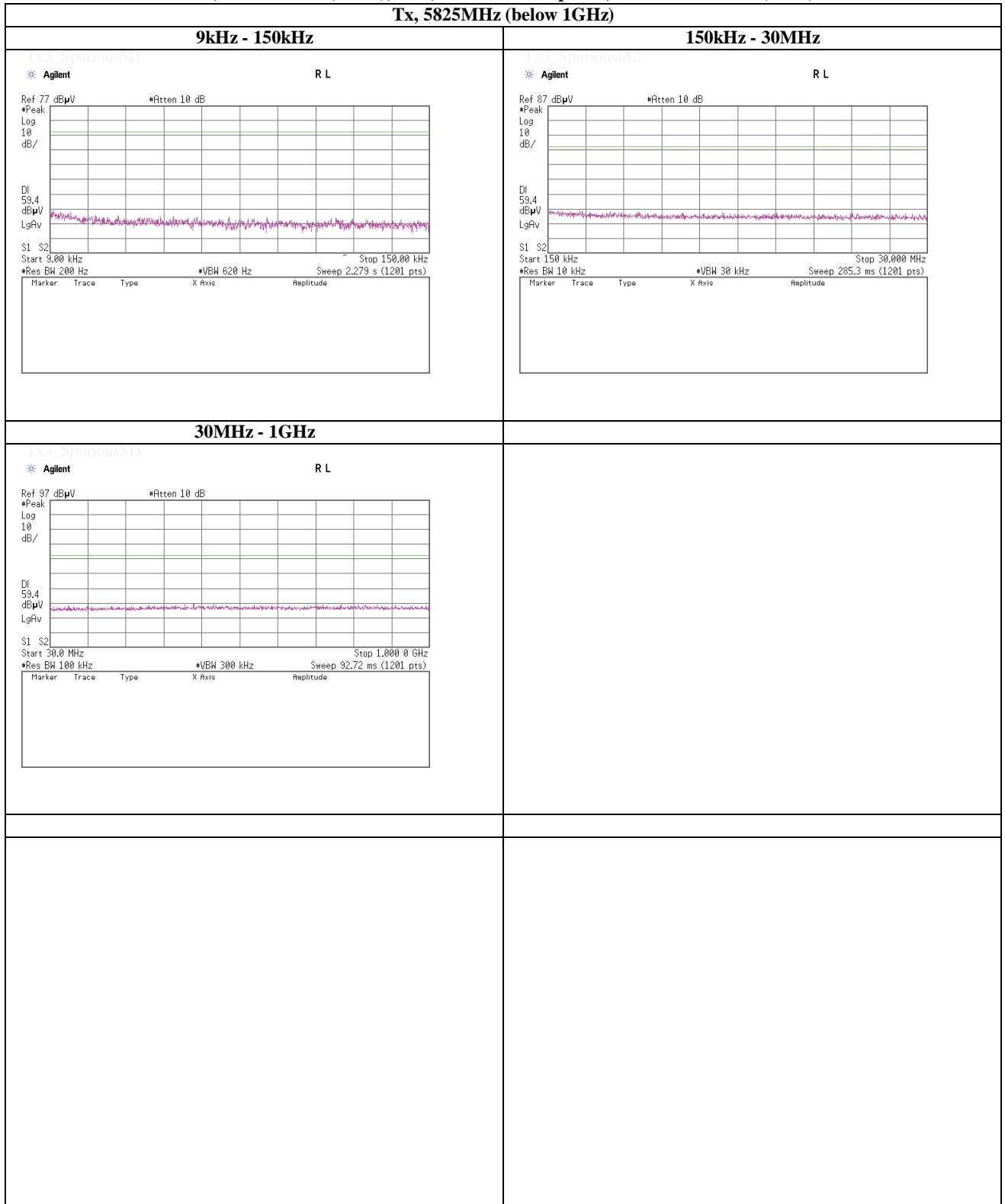
(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT20), PN9, worst antenna port 2, worst data mode 0(MCS)
Tx, 5785MHz (above 1GHz)(2/2)



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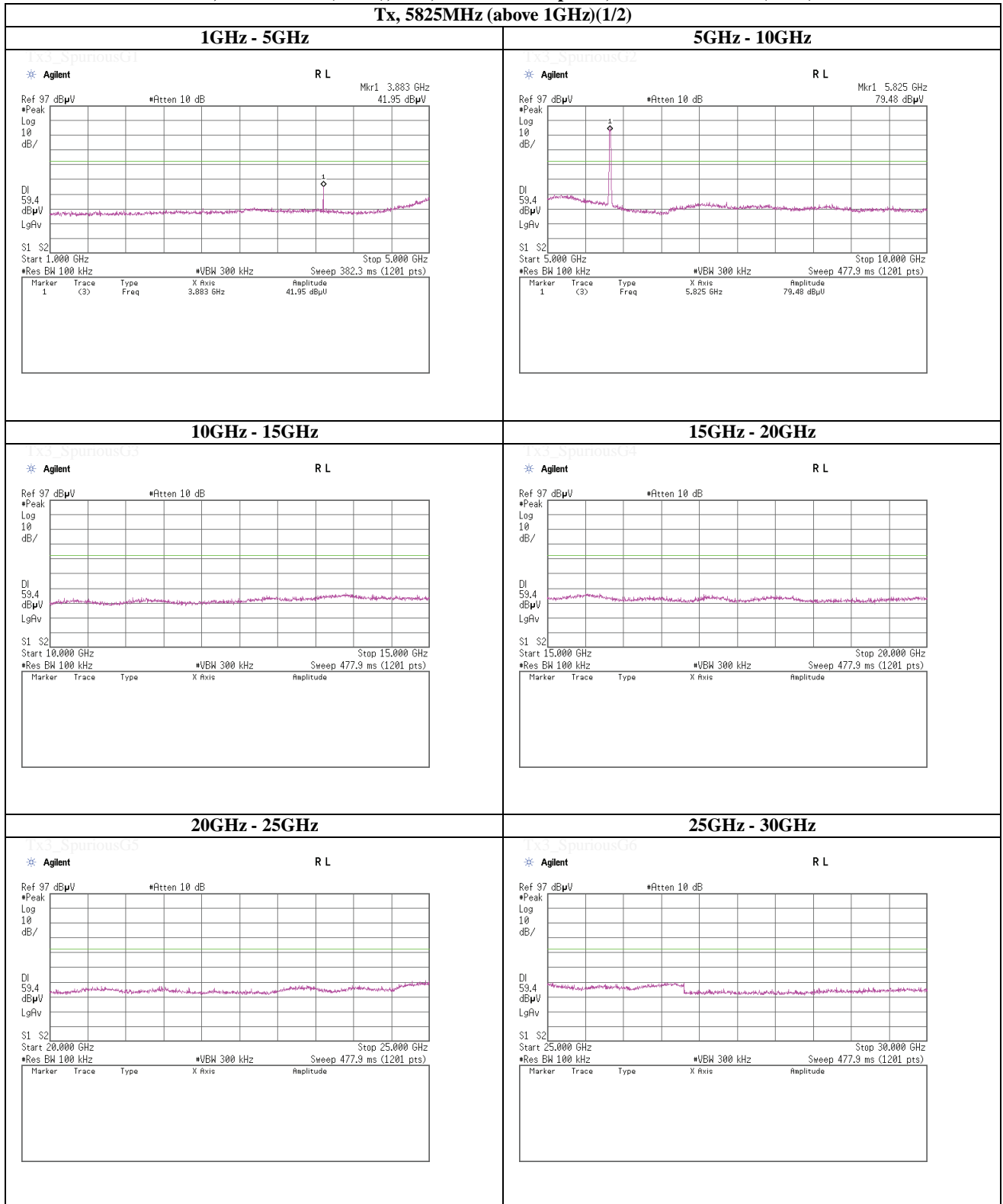
(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT20), PN9, worst antenna port 2, worst data mode 0(MCS)

Tx, 5825MHz (below 1GHz)



(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT20), PN9, worst antenna port 2, worst data mode 0(MCS)

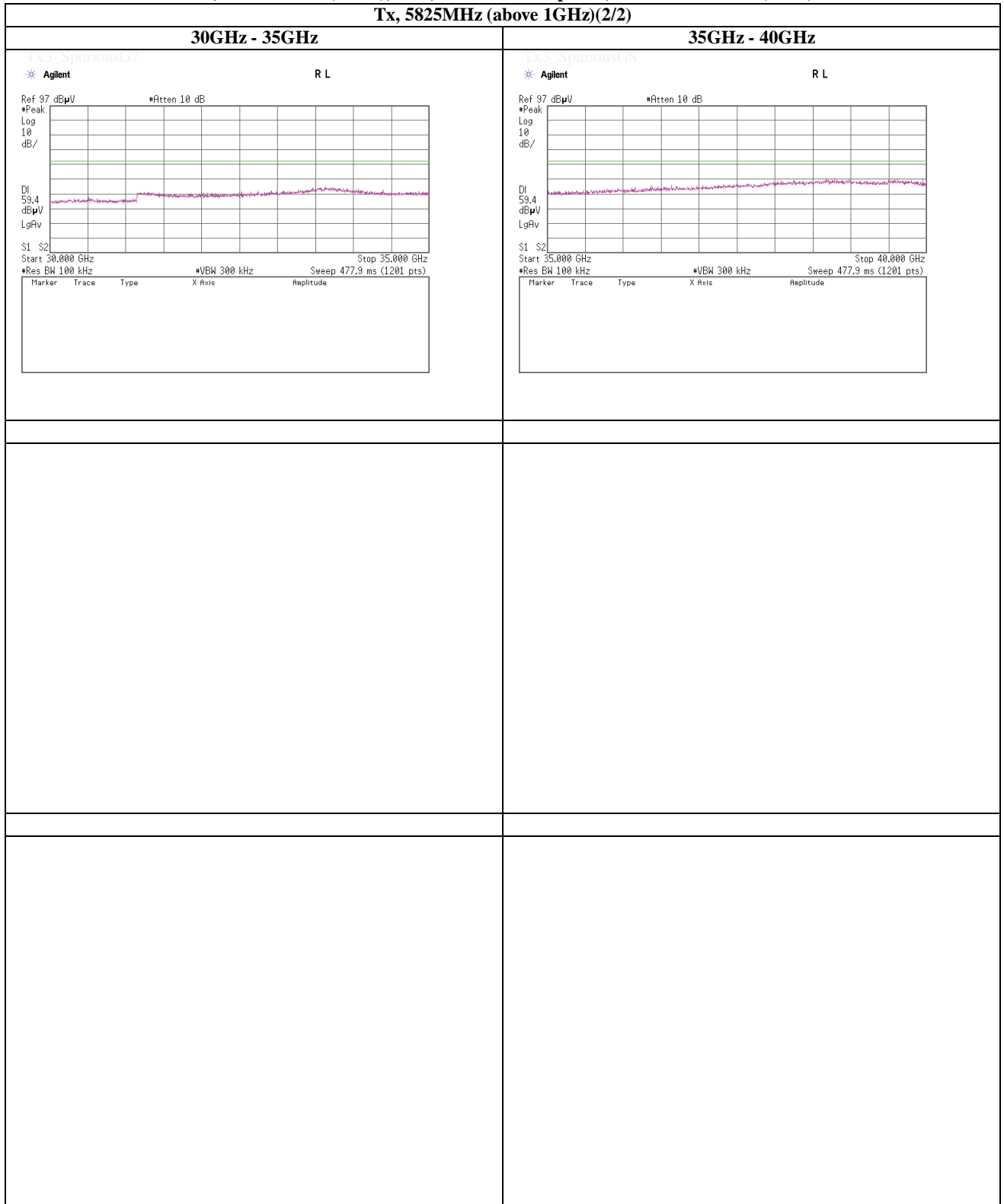
Tx, 5825MHz (above 1GHz)(1/2)



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(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT20), PN9, worst antenna port 2, worst data mode 0(MCS)

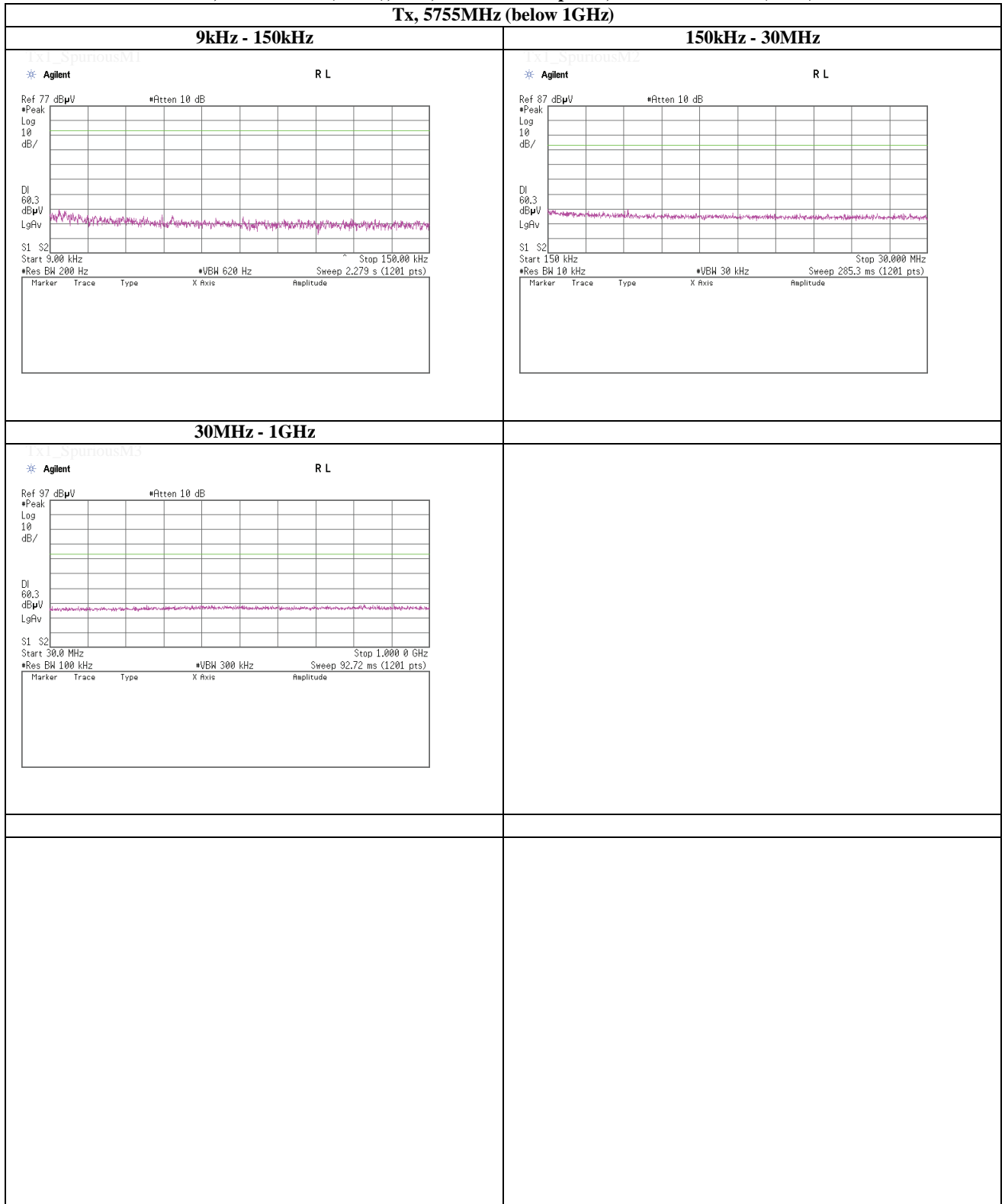
Tx, 5825MHz (above 1GHz)(2/2)



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(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT40), PN9, worst antenna port 1, worst data mode 0(MCS)

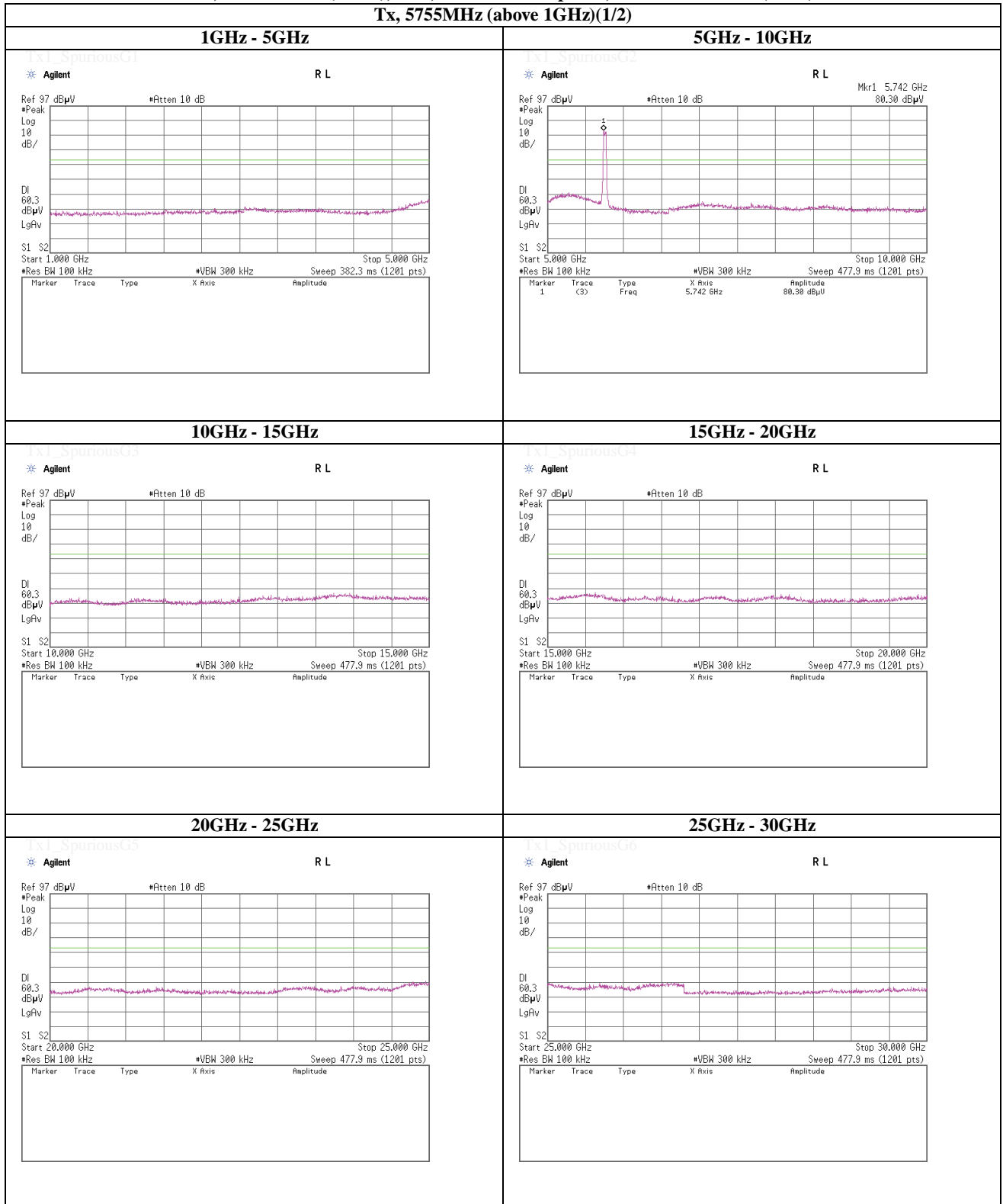
Tx, 5755MHz (below 1GHz)



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(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT40), PN9, worst antenna port 1, worst data mode 0(MCS)

Tx, 5755MHz (above 1GHz)(1/2)



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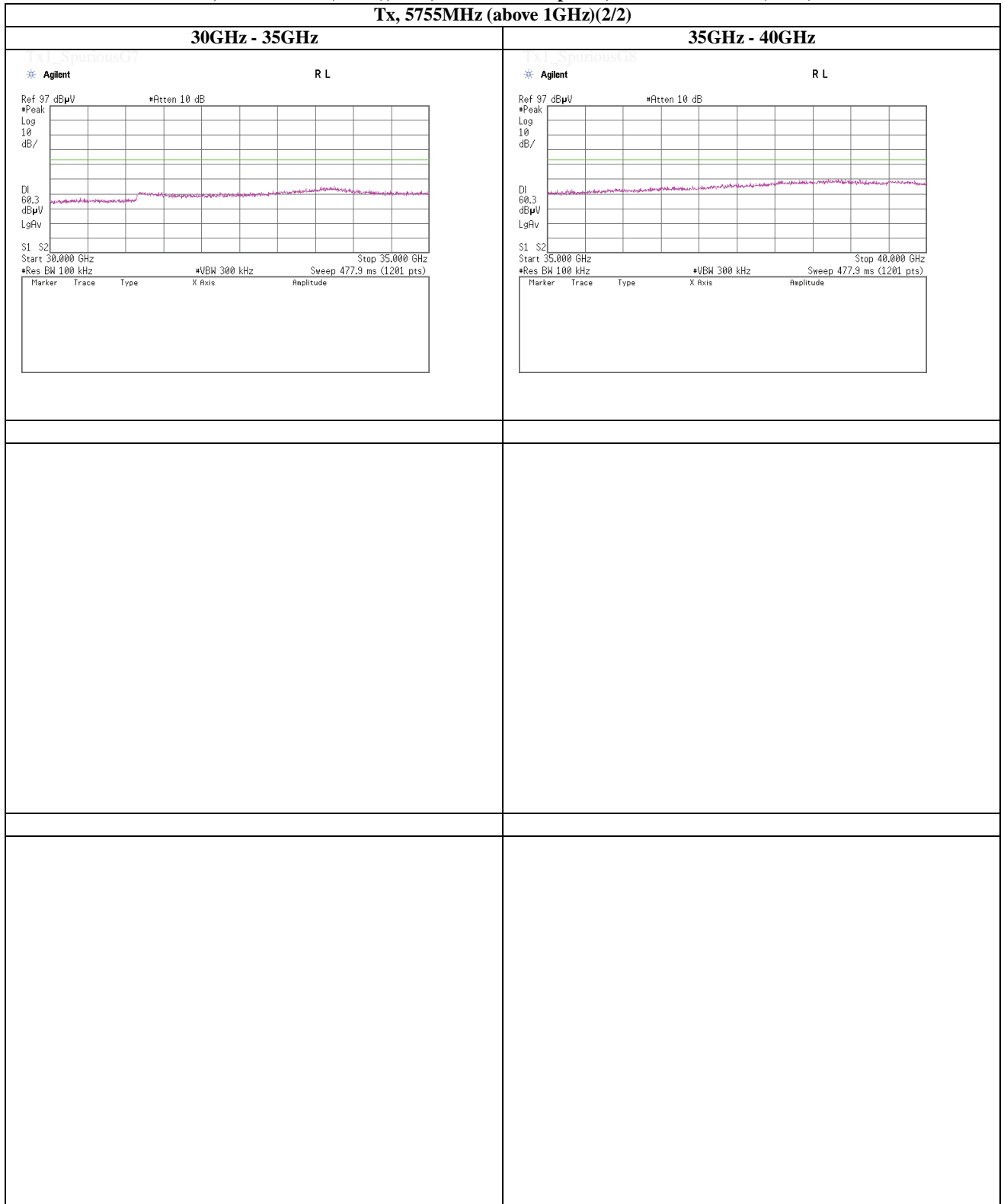
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

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(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT40), PN9, worst antenna port 1, worst data mode 0(MCS)

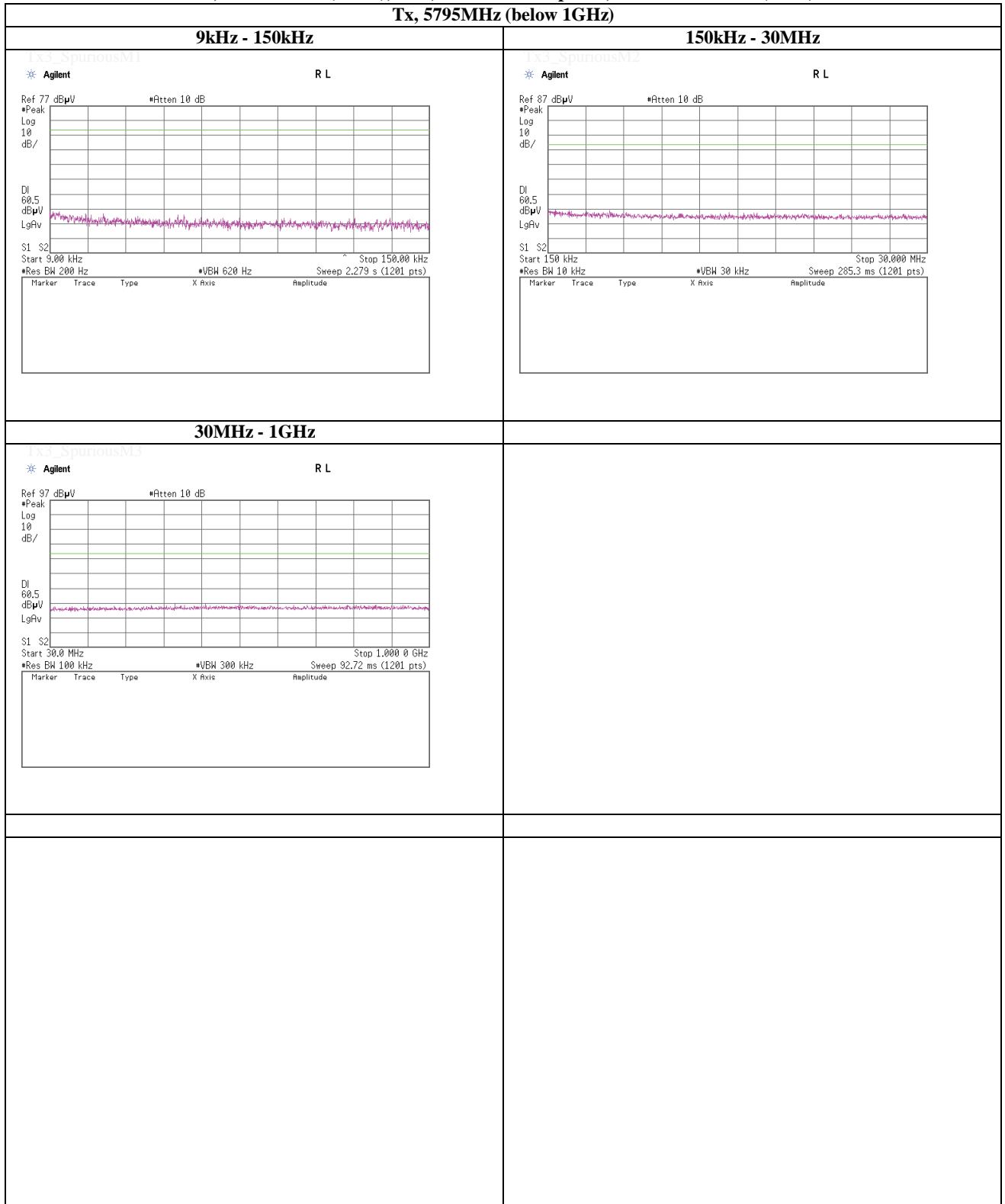
Tx, 5755MHz (above 1GHz)(2/2)



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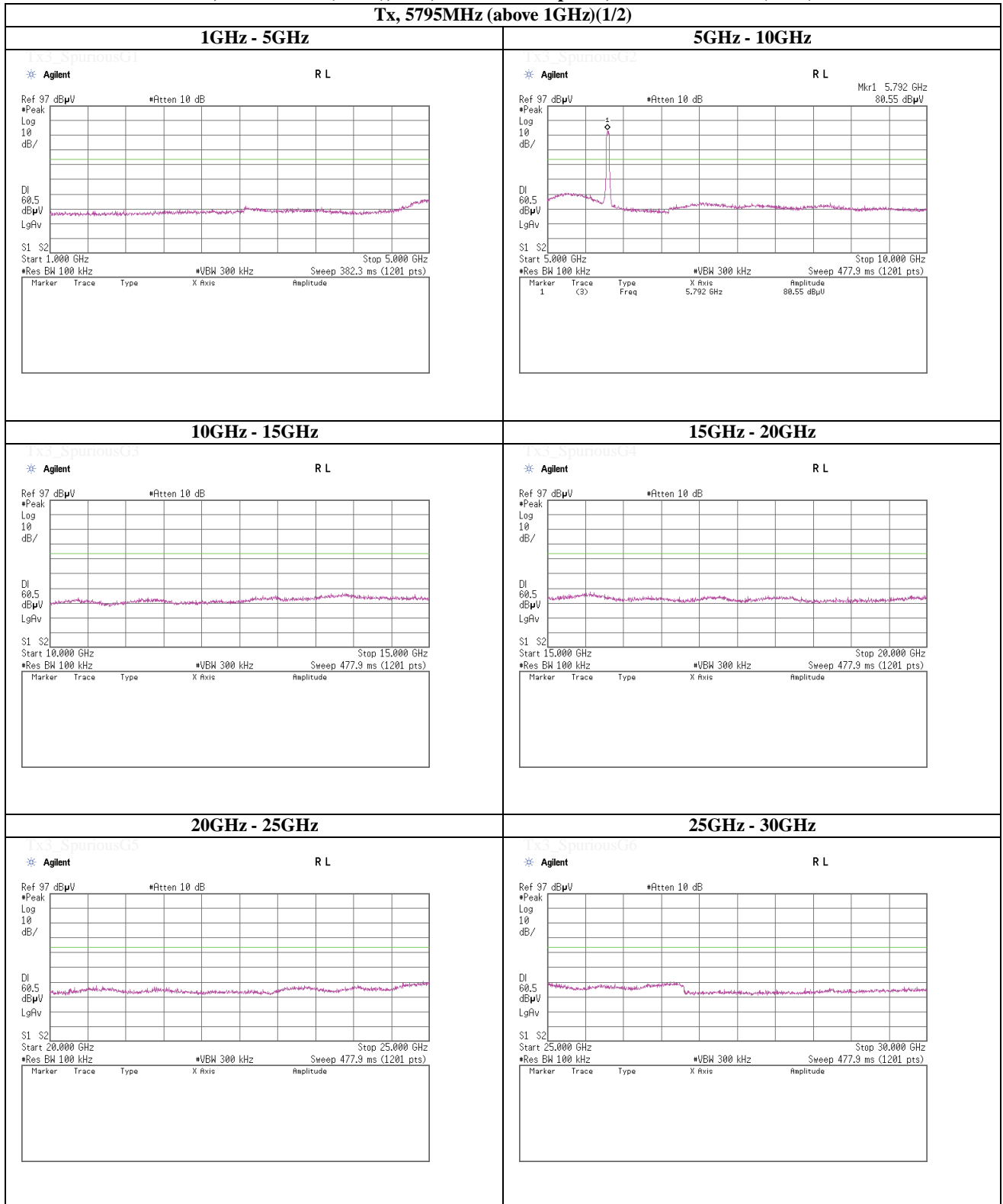
(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT40), PN9, worst antenna port 1, worst data mode 0(MCS)

Tx, 5795MHz (below 1GHz)



(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT40), PN9, worst antenna port 1, worst data mode 0(MCS)

Tx, 5795MHz (above 1GHz)(1/2)



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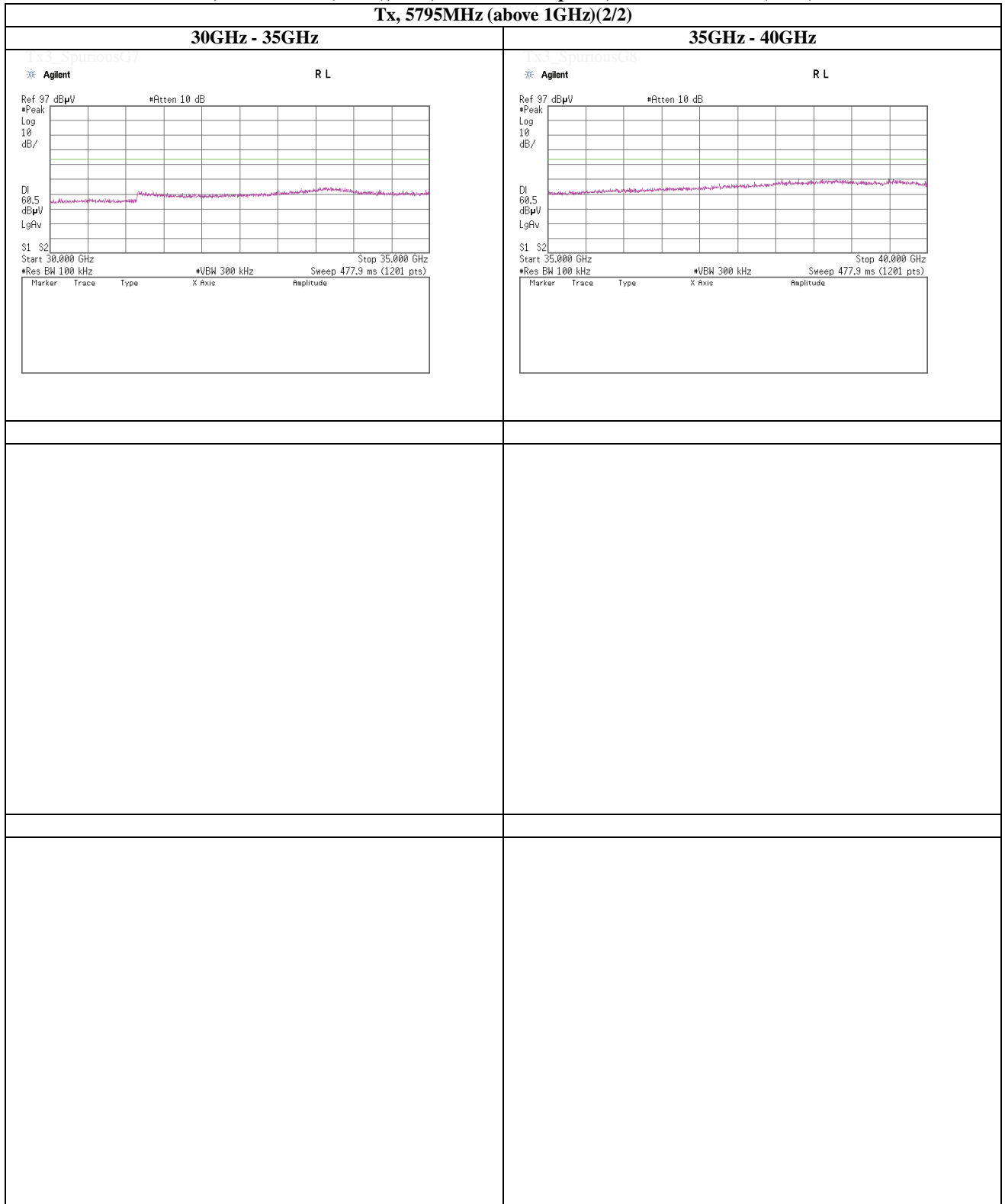
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

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(Reference chart) Spurious emission (Conducted)
Tx, IEEE802.11n(HT40), PN9, worst antenna port 1, worst data mode 0(MCS)

Tx, 5795MHz (above 1GHz)(2/2)

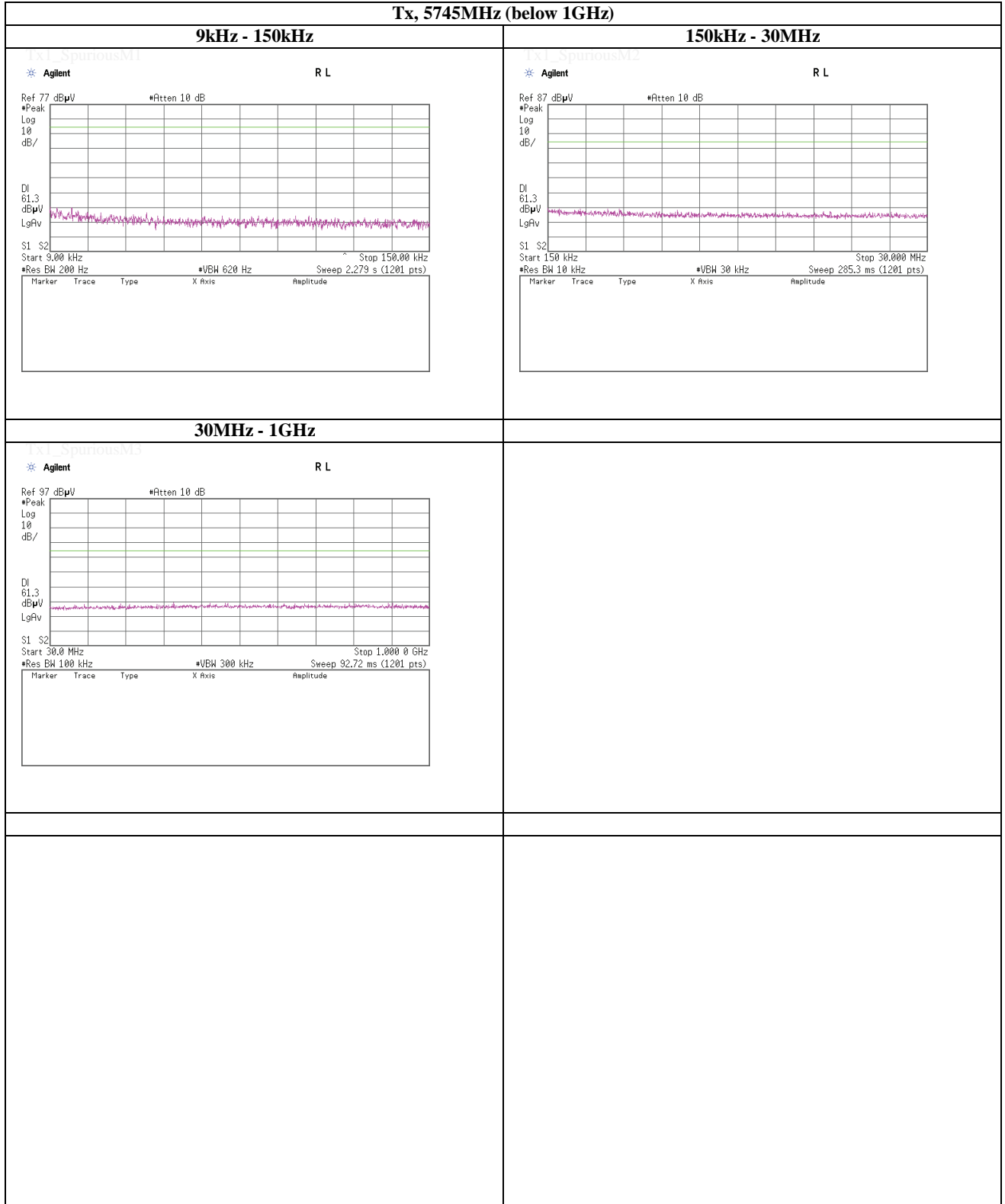


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Spurious emission (Conducted)

Tx, IEEE802.11n (HT20), PN9, antenna port 1, worst data mode 10(MCS)

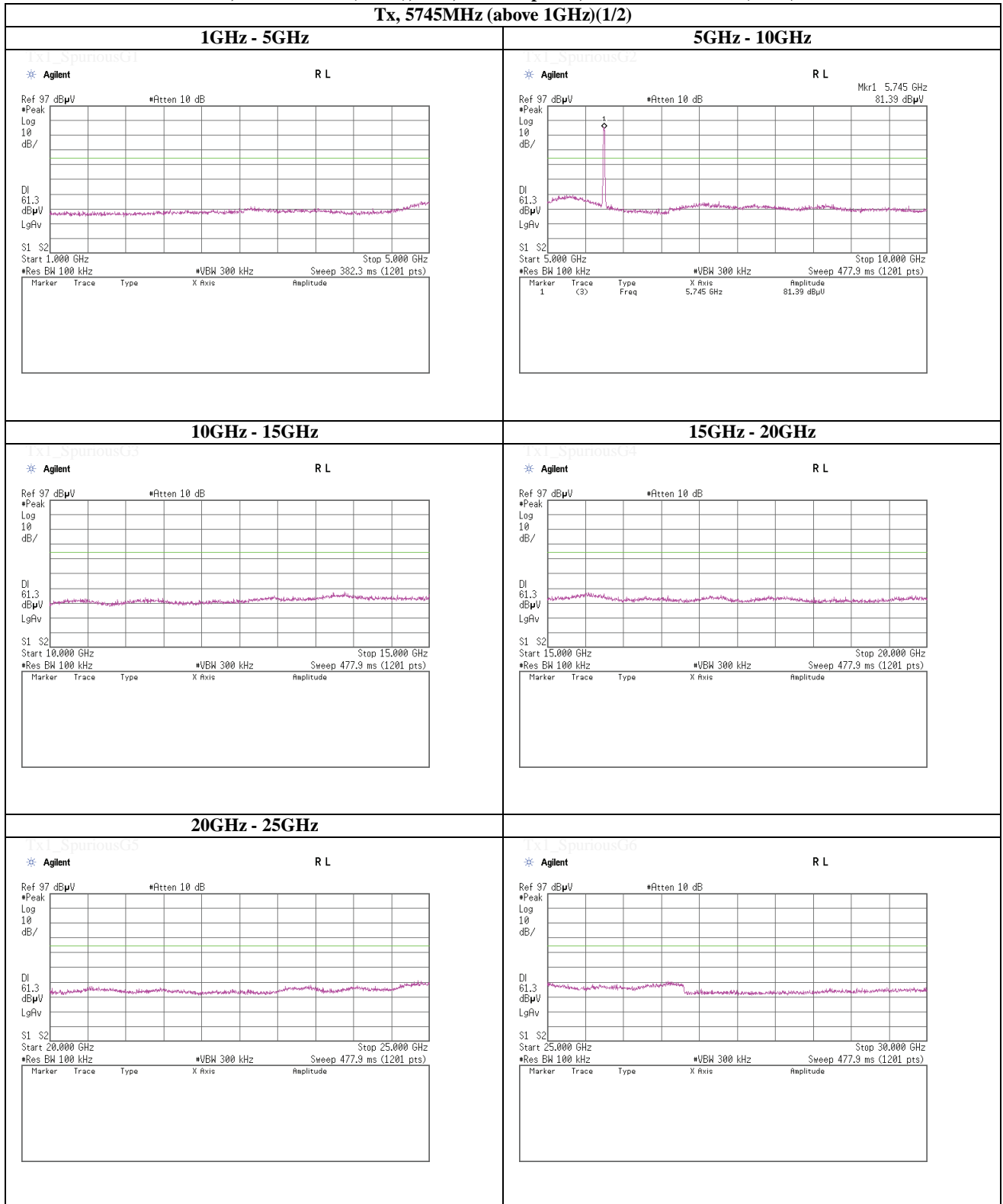
Tx, 5745MHz (below 1GHz)



Spurious emission (Conducted)

Tx, IEEE802.11n (HT20), PN9, antenna port 1, worst data mode 10(MCS)

Tx, 5745MHz (above 1GHz)(1/2)



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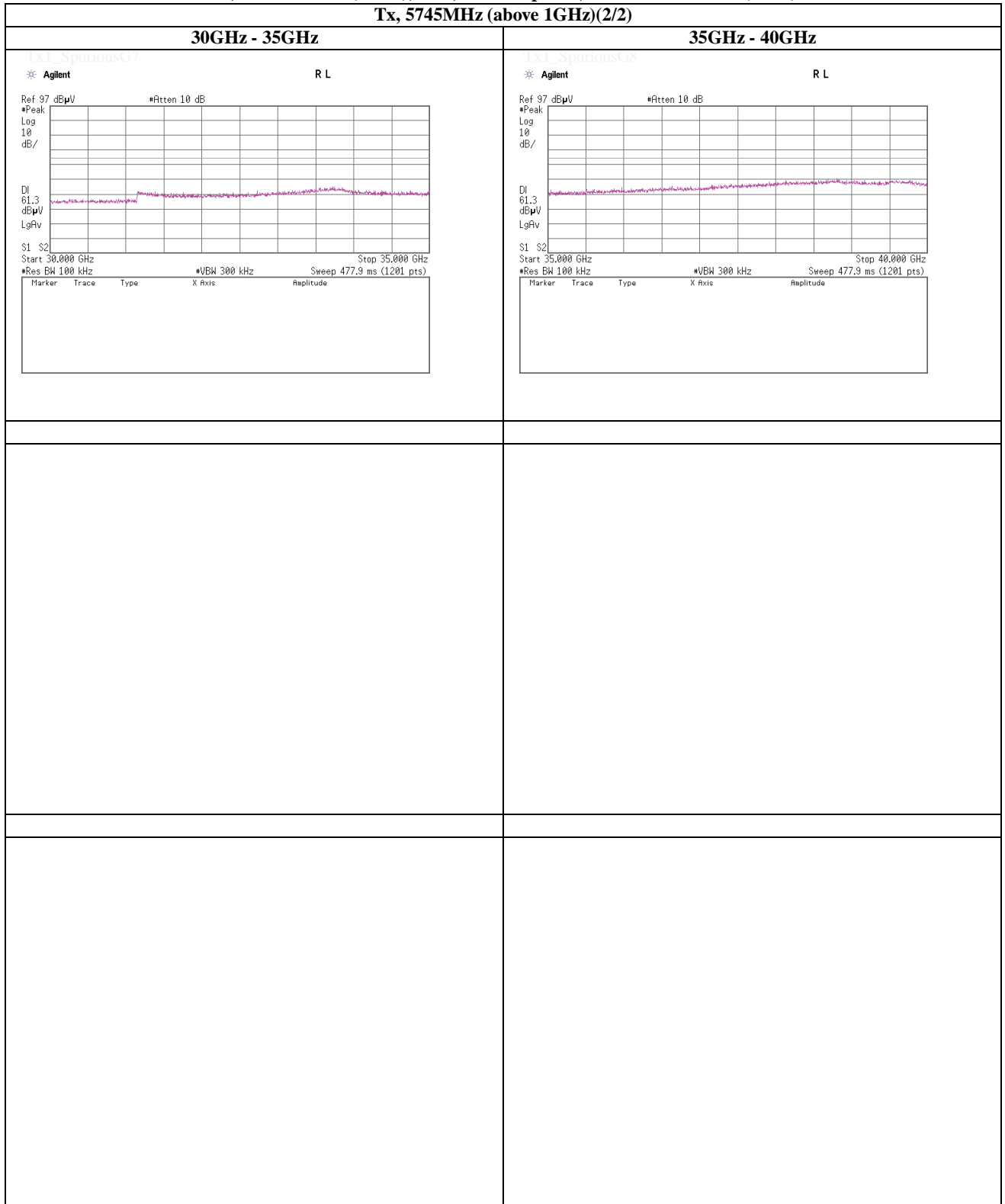
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Tx, IEEE802.11n (HT20), PN9, antenna port 1, worst data mode 10(MCS)

Tx, 5745MHz (above 1GHz)(2/2)



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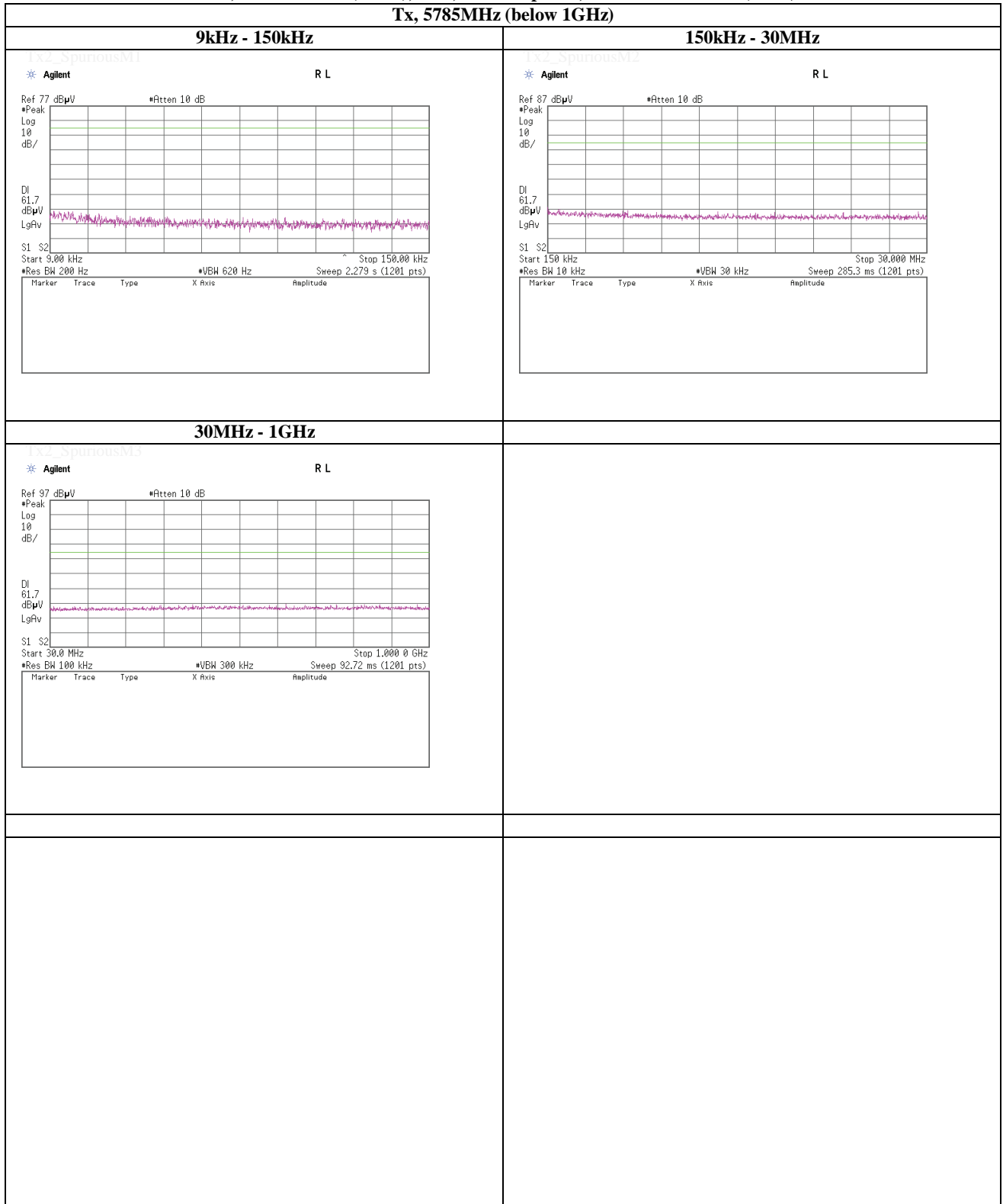
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Tx, IEEE802.11n (HT20), PN9, antenna port 1, worst data mode 10(MCS)

Tx, 5785MHz (below 1GHz)



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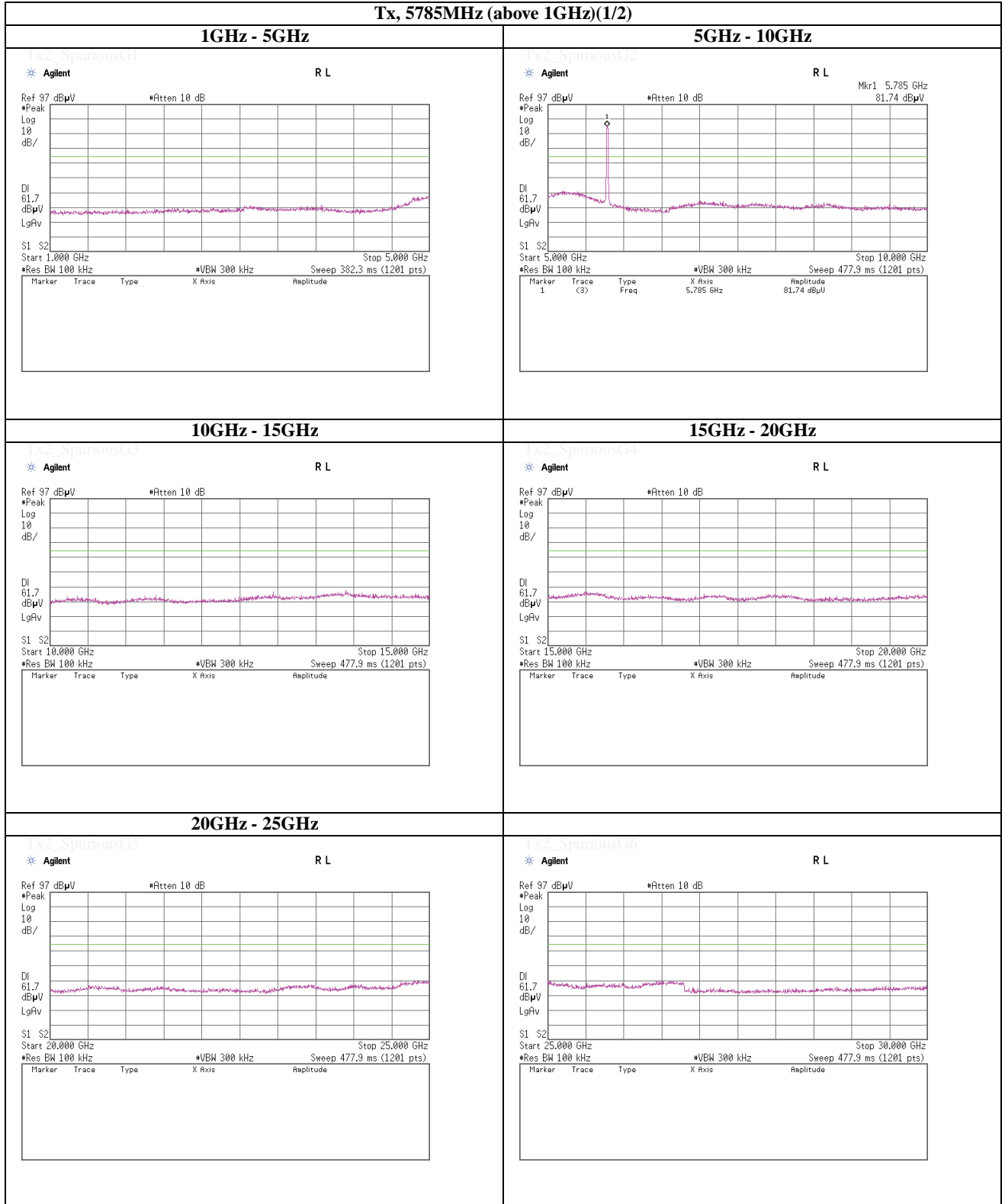
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Tx, IEEE802.11n (HT20), PN9, antenna port 1, worst data mode 10(MCS)

Tx, 5785MHz (above 1GHz)(1/2)



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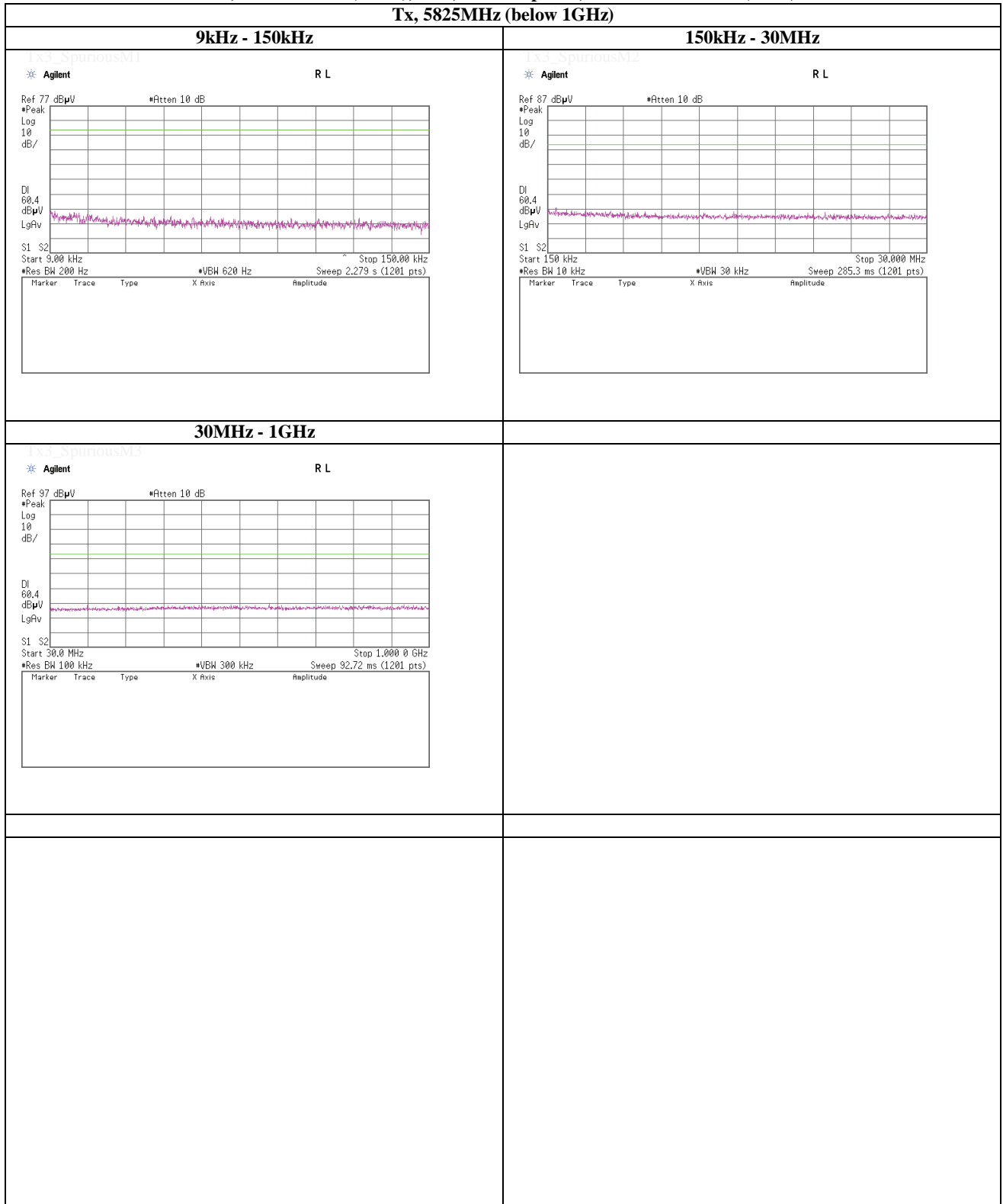
Telephone : +81 463 50 6400

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Spurious emission (Conducted)

Tx, IEEE802.11n (HT20), PN9, antenna port 1, worst data mode 10(MCS)

Tx, 5825MHz (below 1GHz)



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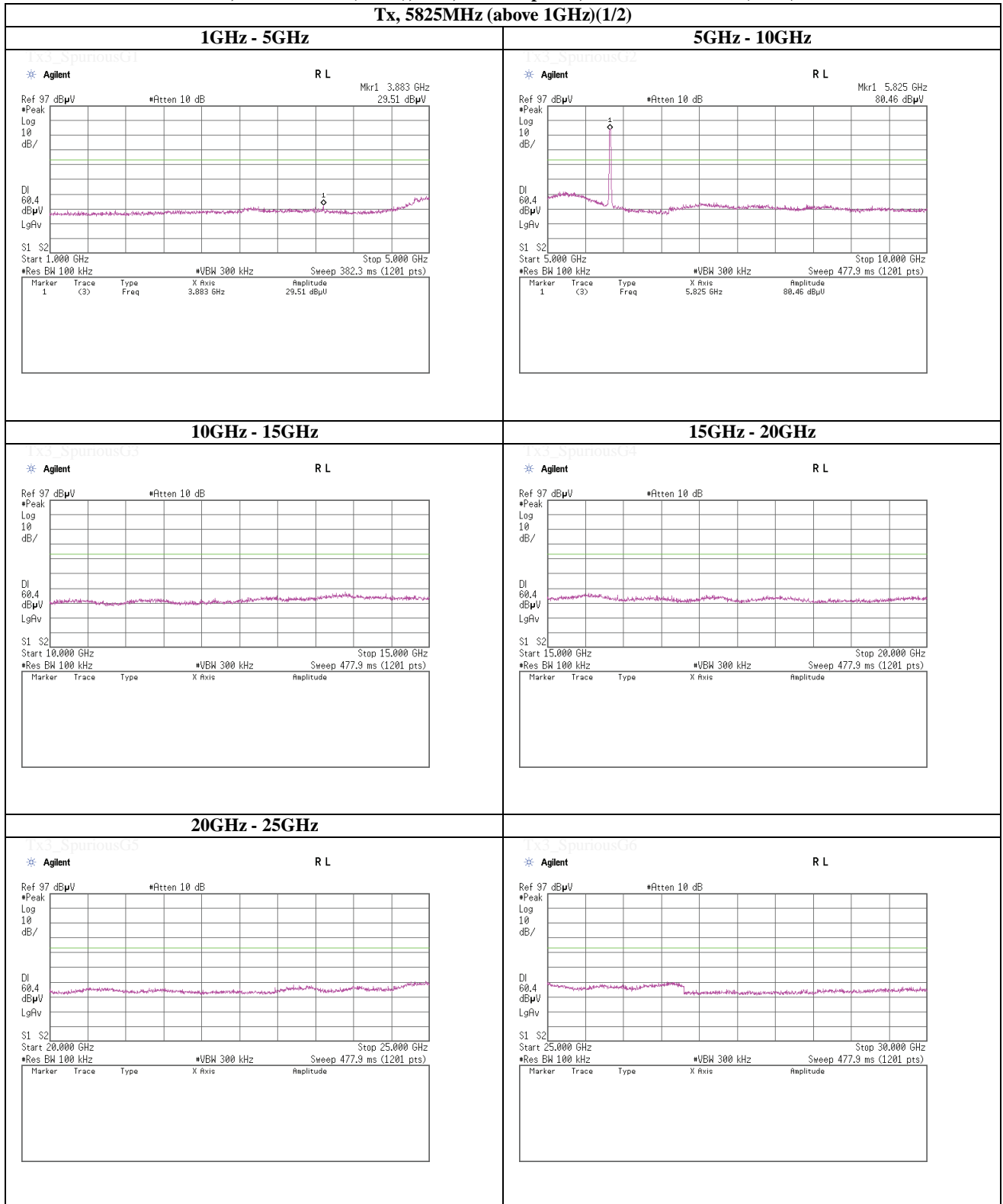
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Tx, IEEE802.11n (HT20), PN9, antenna port 1, worst data mode 10(MCS)

Tx, 5825MHz (above 1GHz)(1/2)



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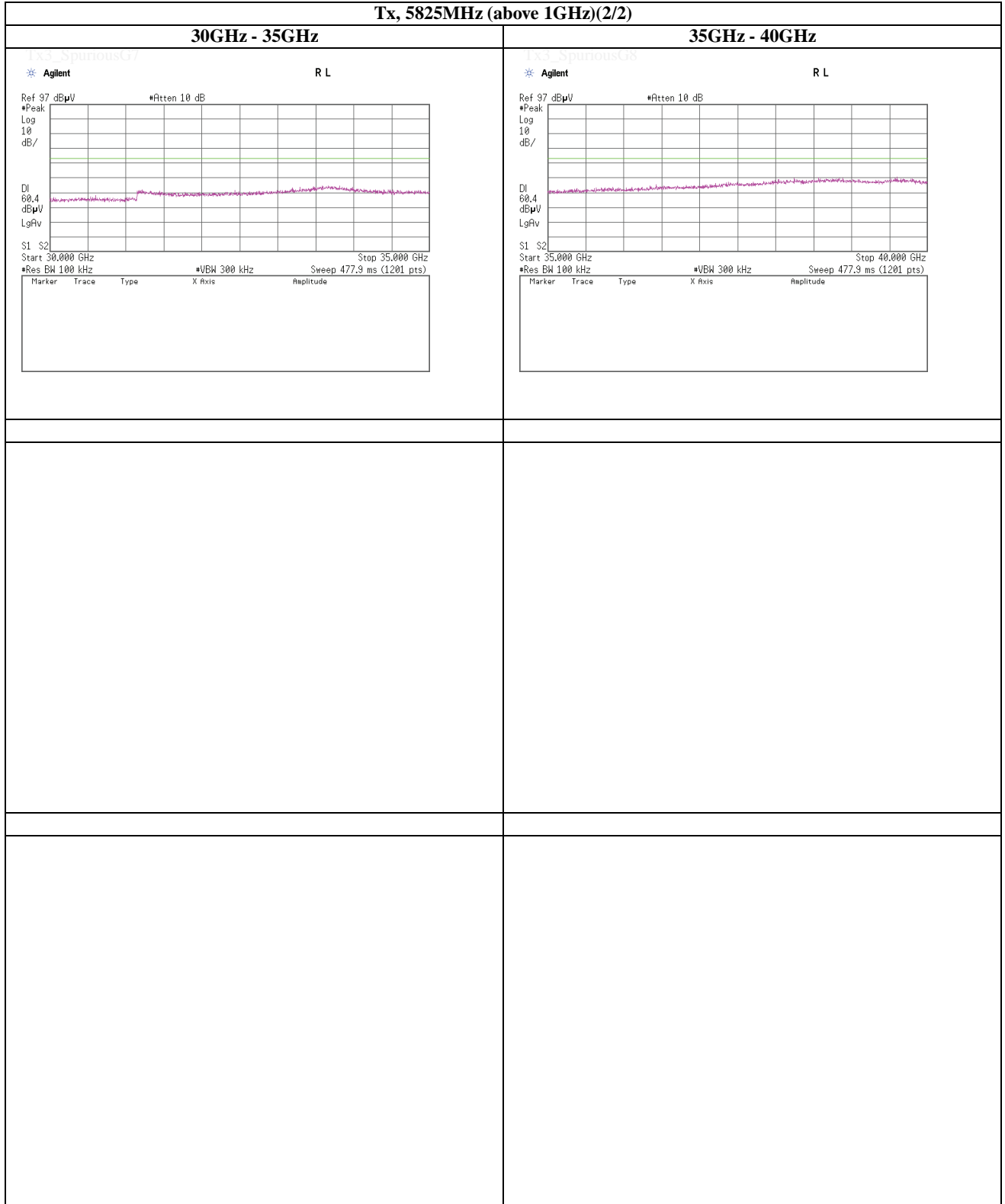
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Tx, IEEE802.11n (HT20), PN9, antenna port 1, worst data mode 10(MCS)

Tx, 5825MHz (above 1GHz)(2/2)



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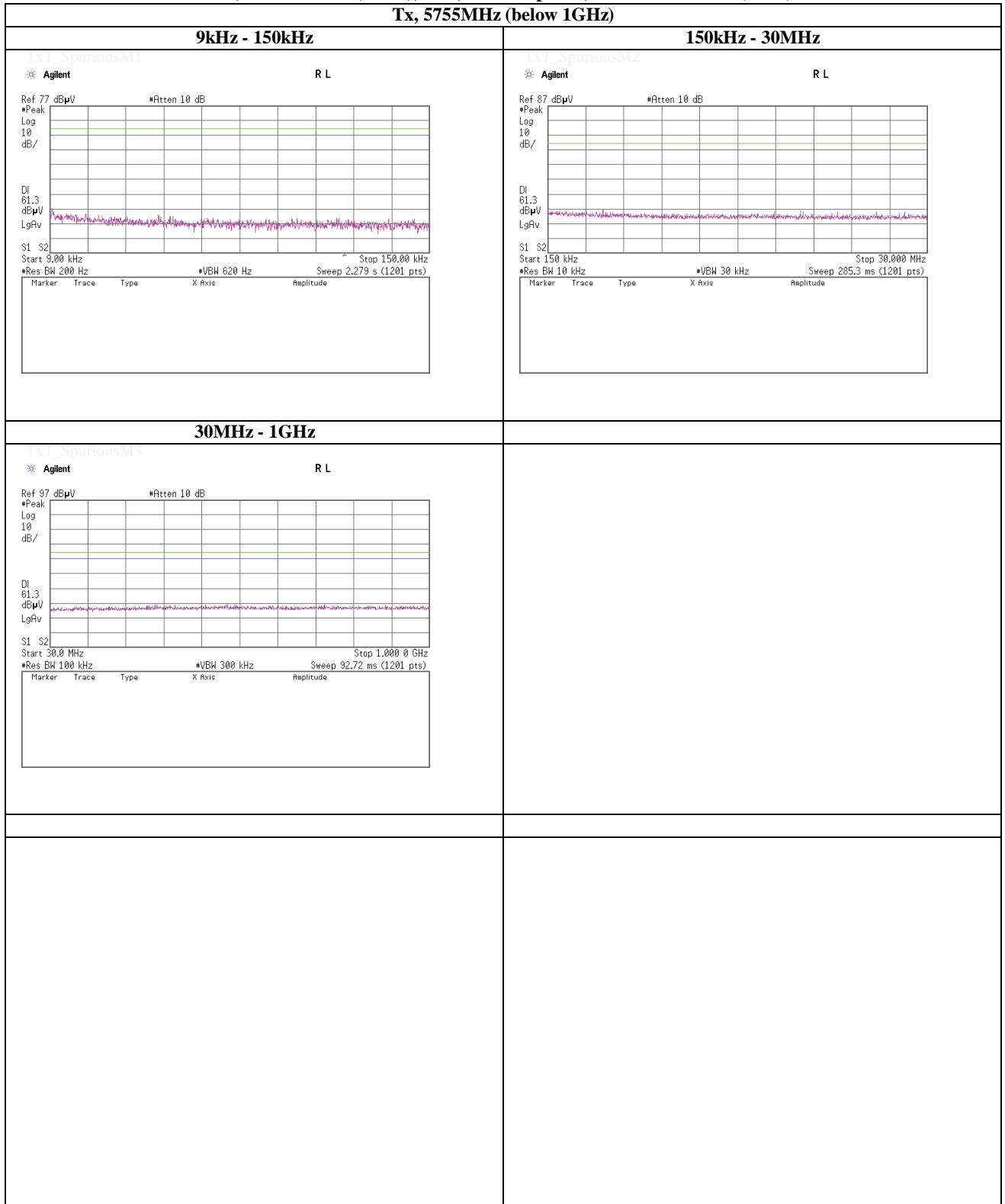
Telephone : +81 463 50 6400

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Spurious emission (Conducted)

Tx, IEEE802.11n (HT40), PN9, antenna port 2, worst data mode 8(MCS)

Tx, 5755MHz (below 1GHz)



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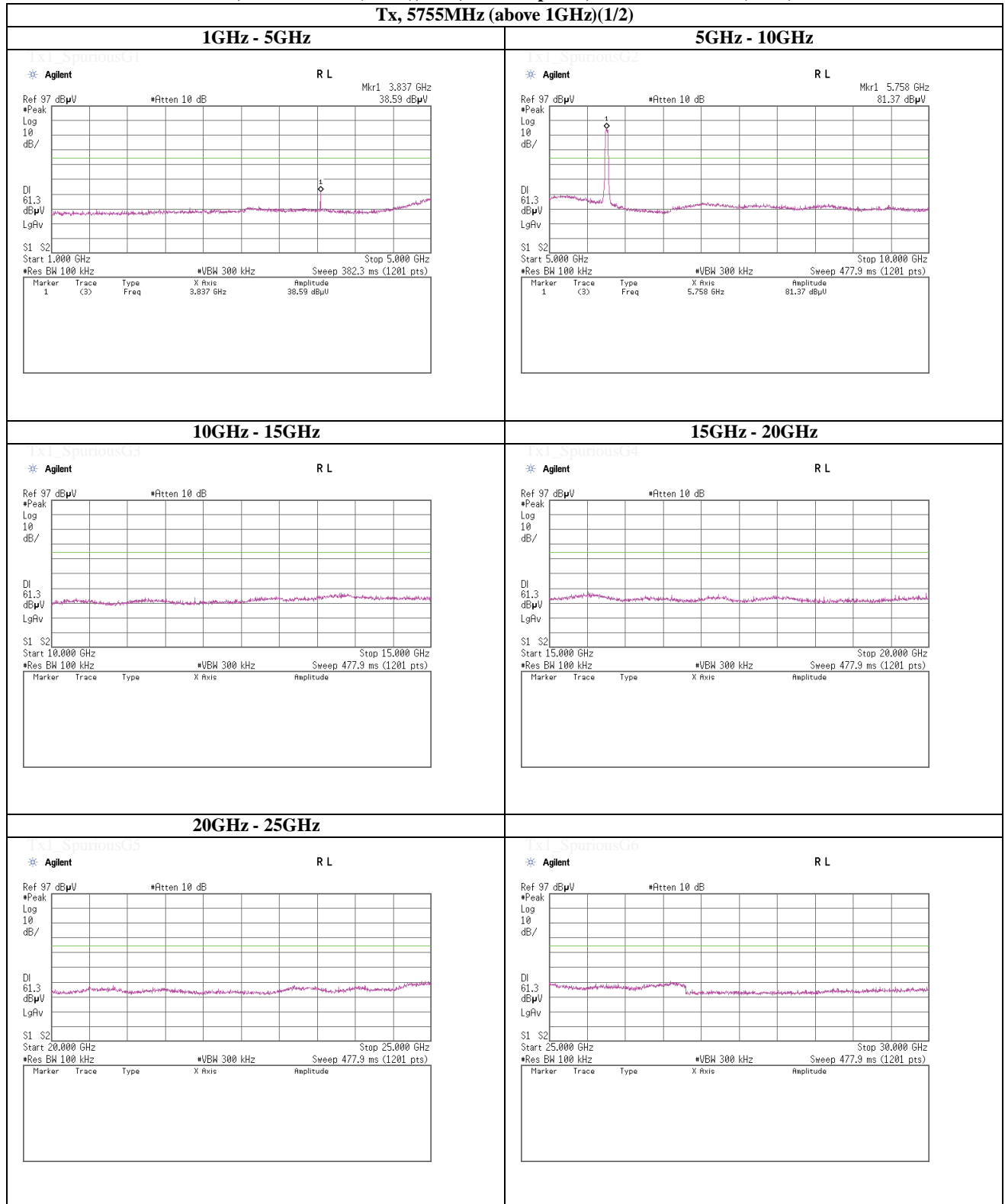
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Tx, IEEE802.11n (HT40), PN9, antenna port 2, worst data mode 8(MCS)

Tx, 5755MHz (above 1GHz)(1/2)



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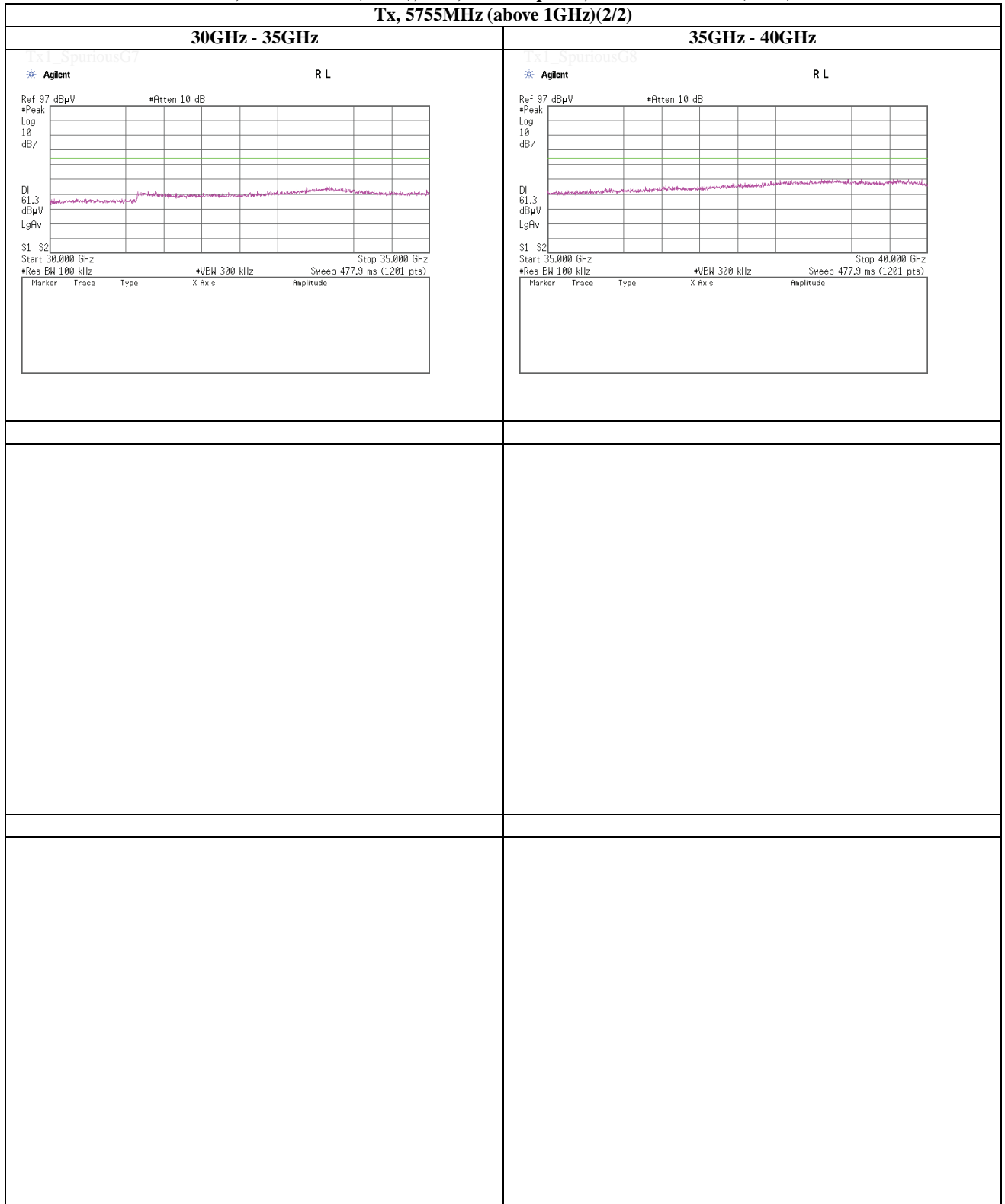
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Tx, IEEE802.11n (HT40), PN9, antenna port 2, worst data mode 8(MCS)

Tx, 5755MHz (above 1GHz)(2/2)



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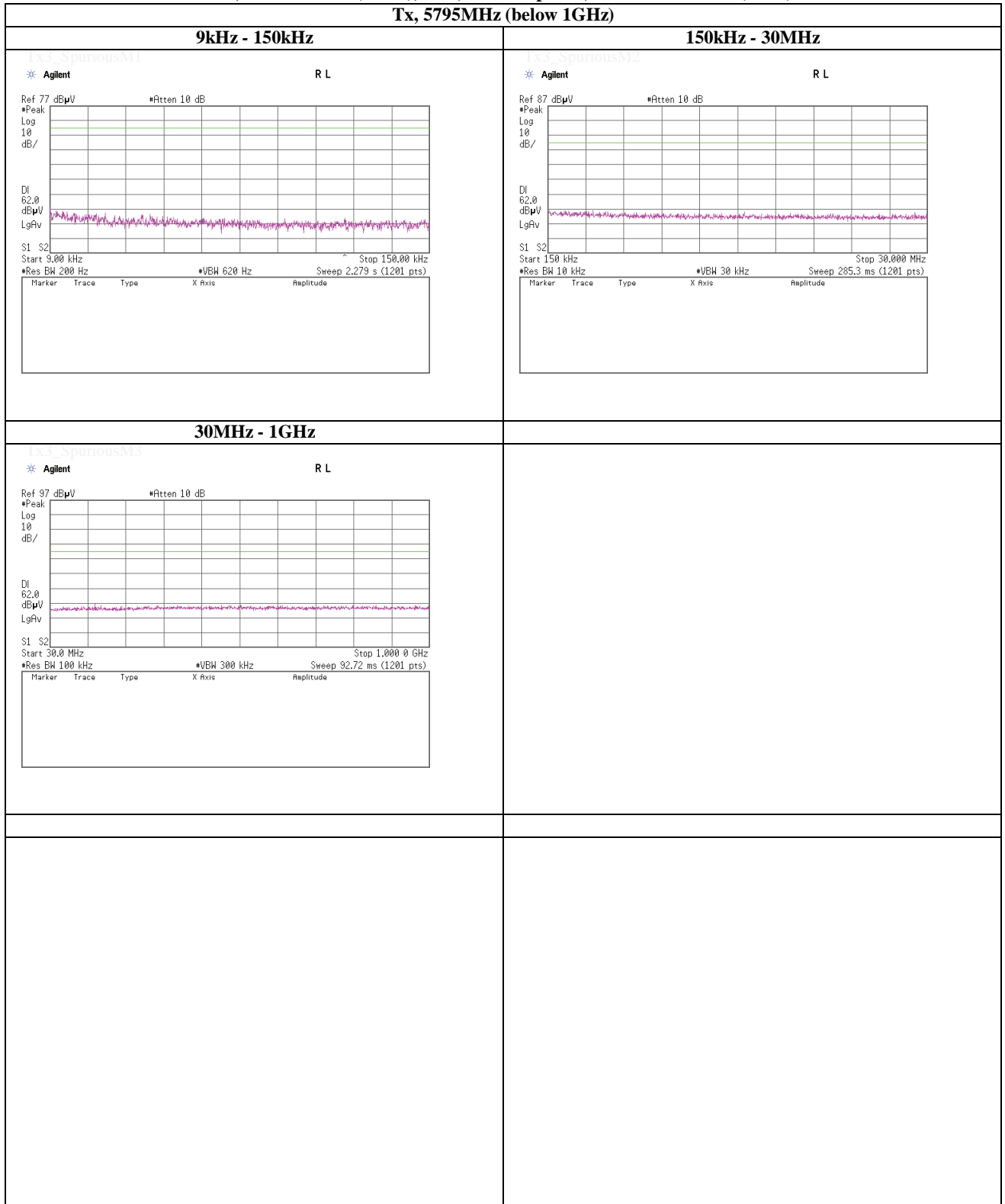
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Tx, IEEE802.11n (HT40), PN9, antenna port 2, worst data mode 8(MCS)

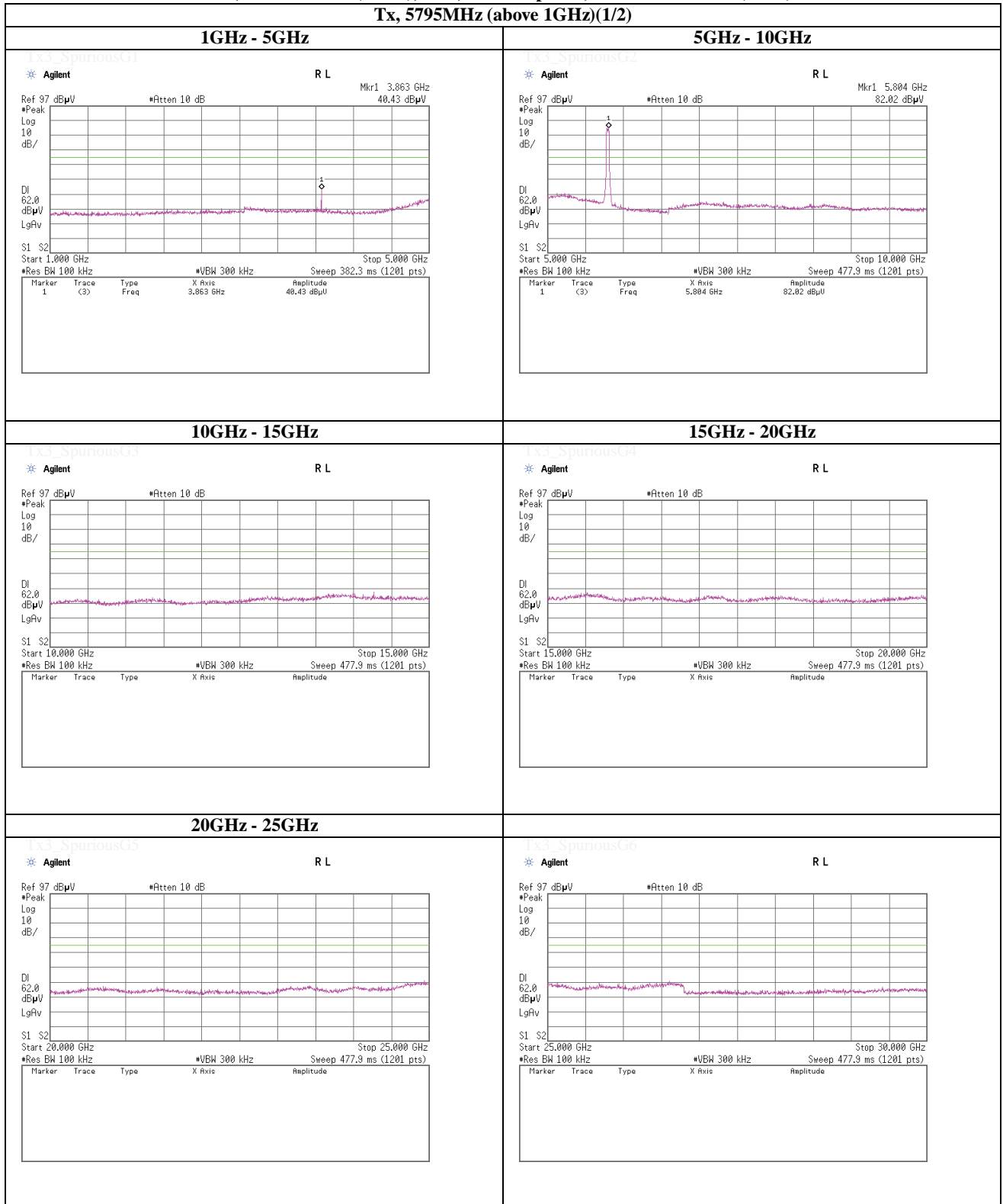
Tx, 5795MHz (below 1GHz)



Spurious emission (Conducted)

Tx, IEEE802.11n (HT40), PN9, antenna port 2, worst data mode 8(MCS)

Tx, 5795MHz (above 1GHz)(1/2)



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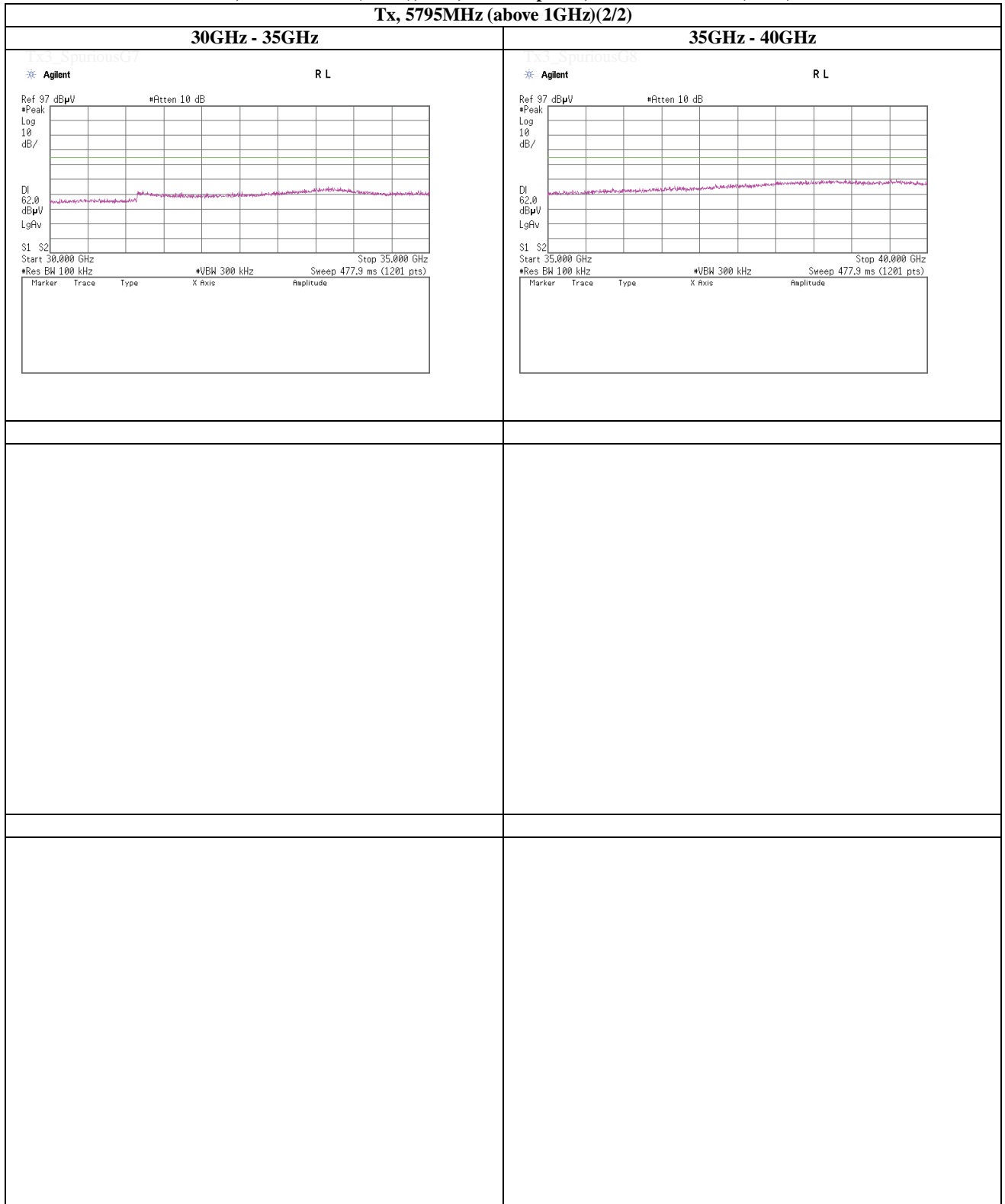
Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Tx, IEEE802.11n (HT40), PN9, antenna port 2, worst data mode 8(MCS)

Tx, 5795MHz (above 1GHz)(2/2)



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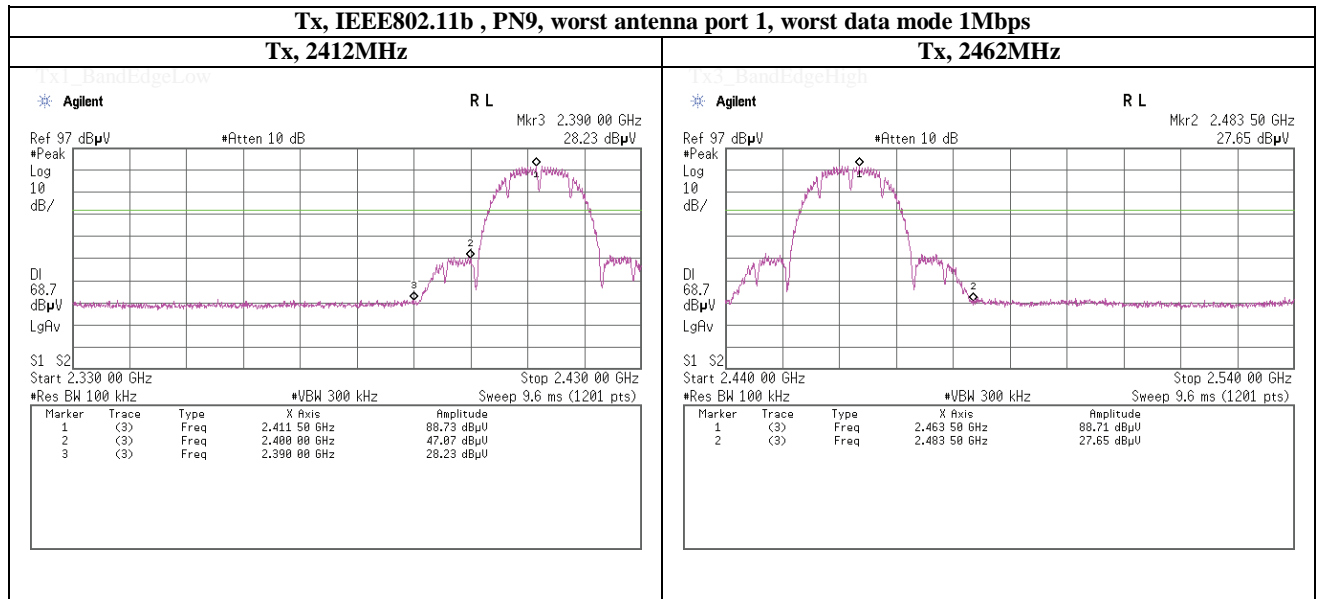
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

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(Reference chart) Spurious emission (Conducted)

Band Edge compliance



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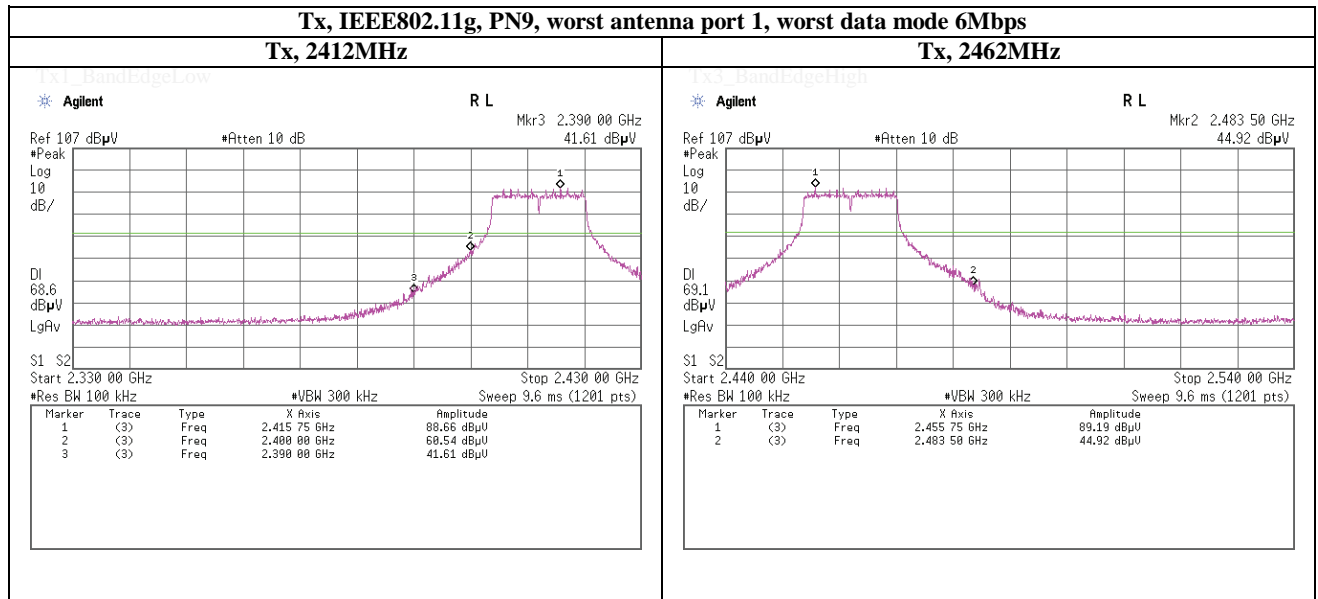
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

Telephone : +81 463 50 6400

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(Reference chart) Spurious emission (Conducted)

Band Edge compliance



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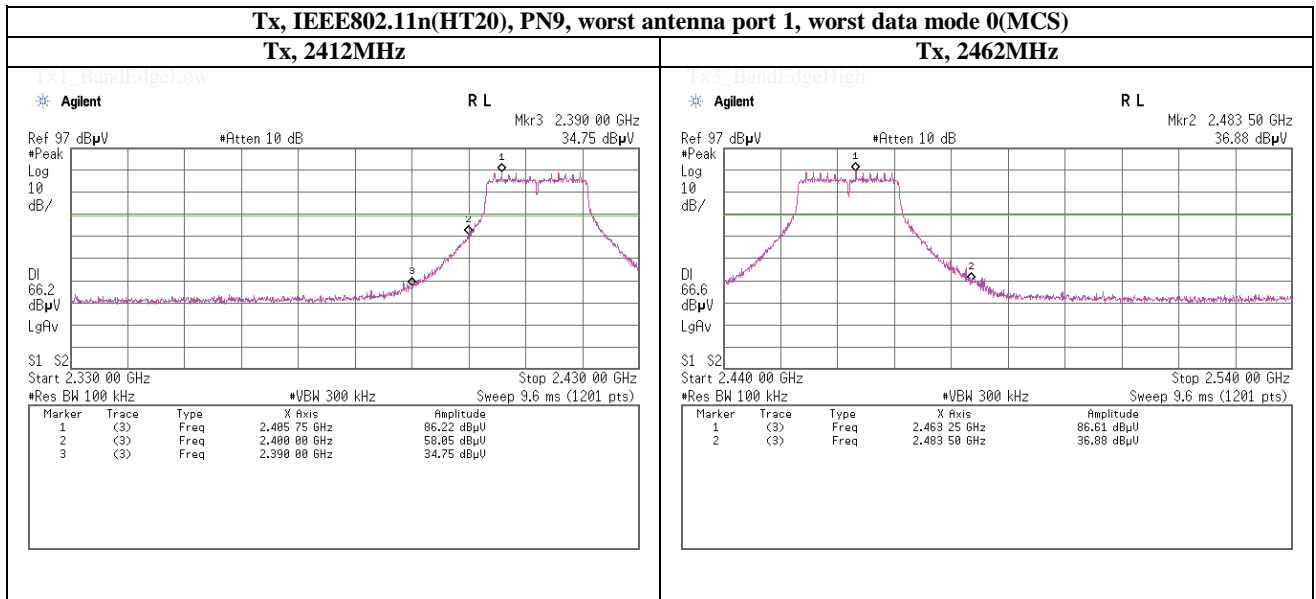
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

Telephone : +81 463 50 6400

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(Reference chart) Spurious emission (Conducted)

Band Edge compliance



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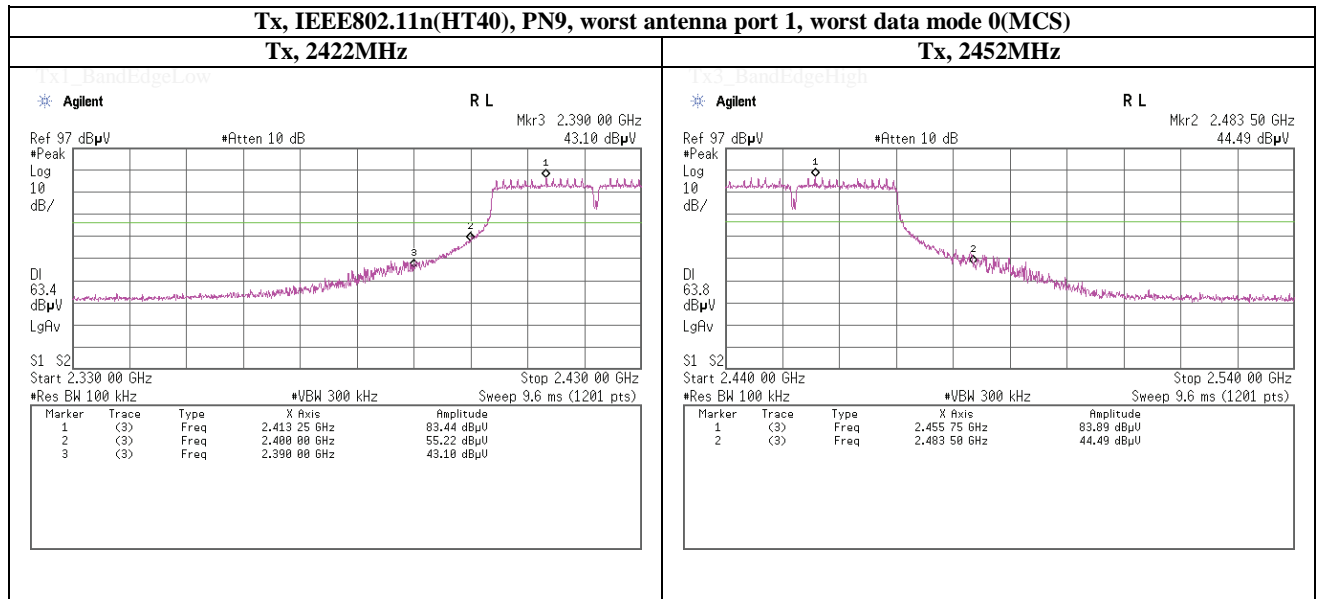
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

Telephone : +81 463 50 6400

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(Reference chart) Spurious emission (Conducted)

Band Edge compliance



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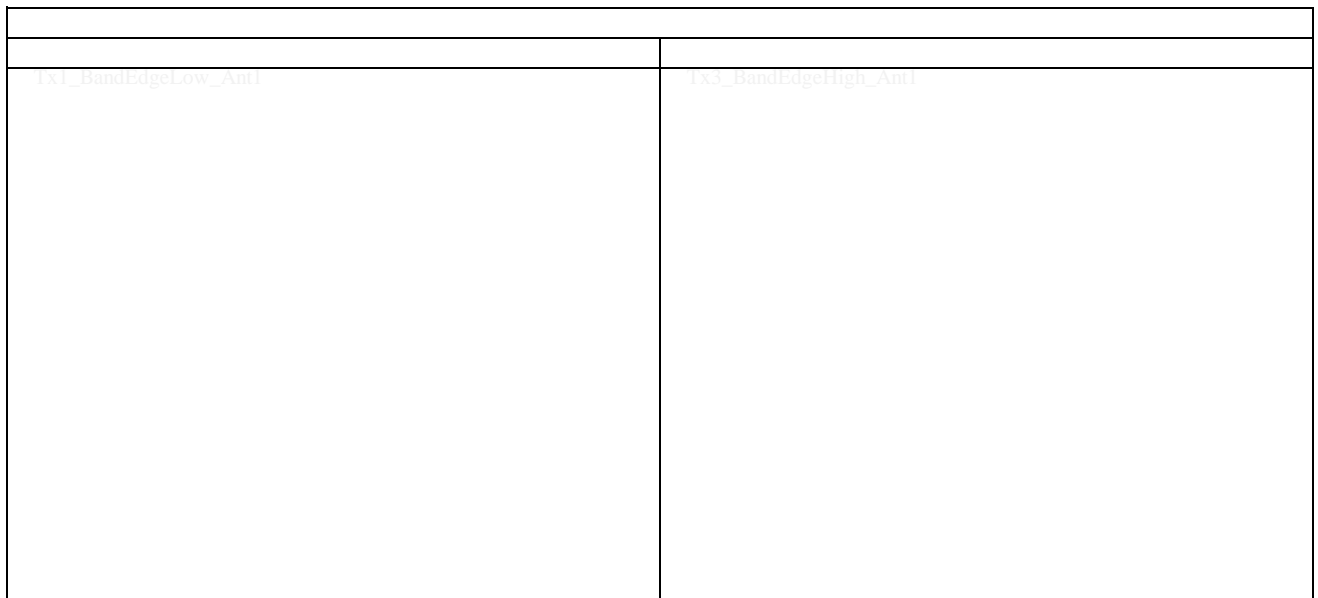
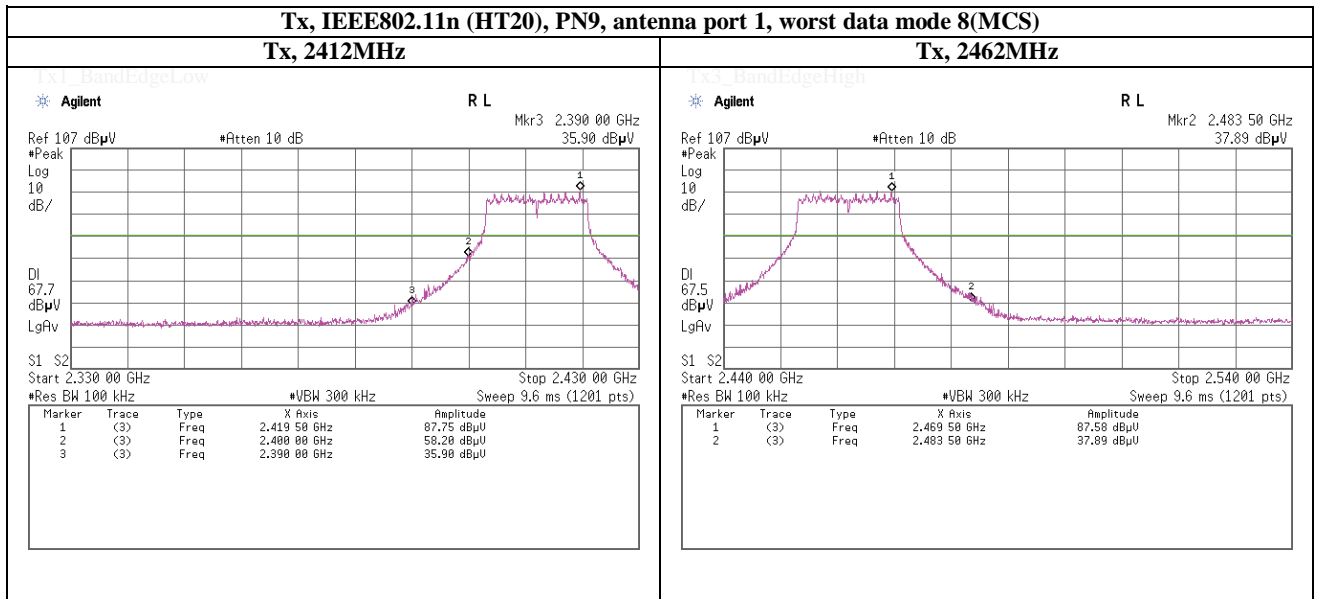
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Band Edge compliance



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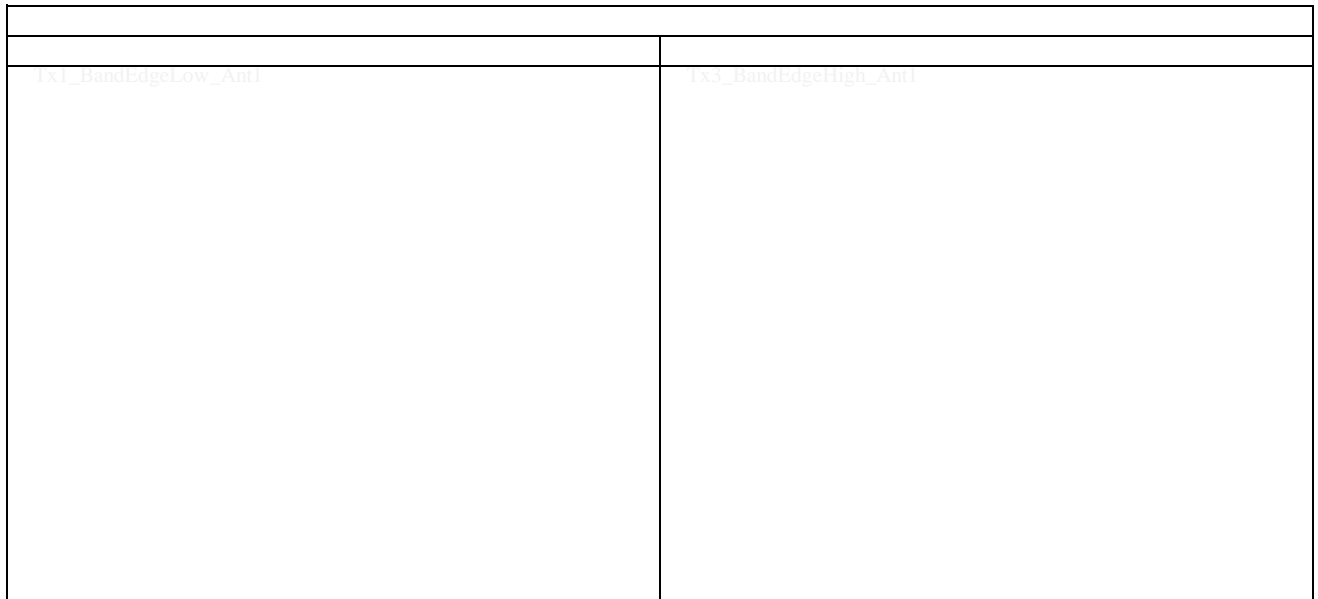
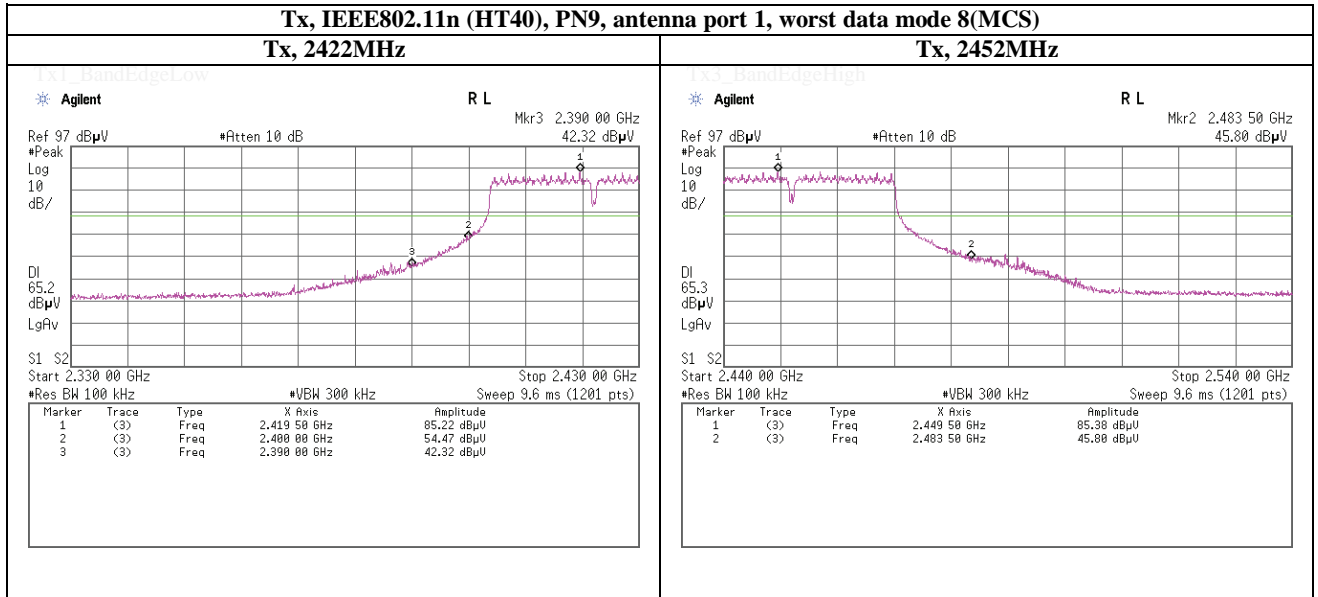
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

Spurious emission (Conducted)

Band Edge compliance



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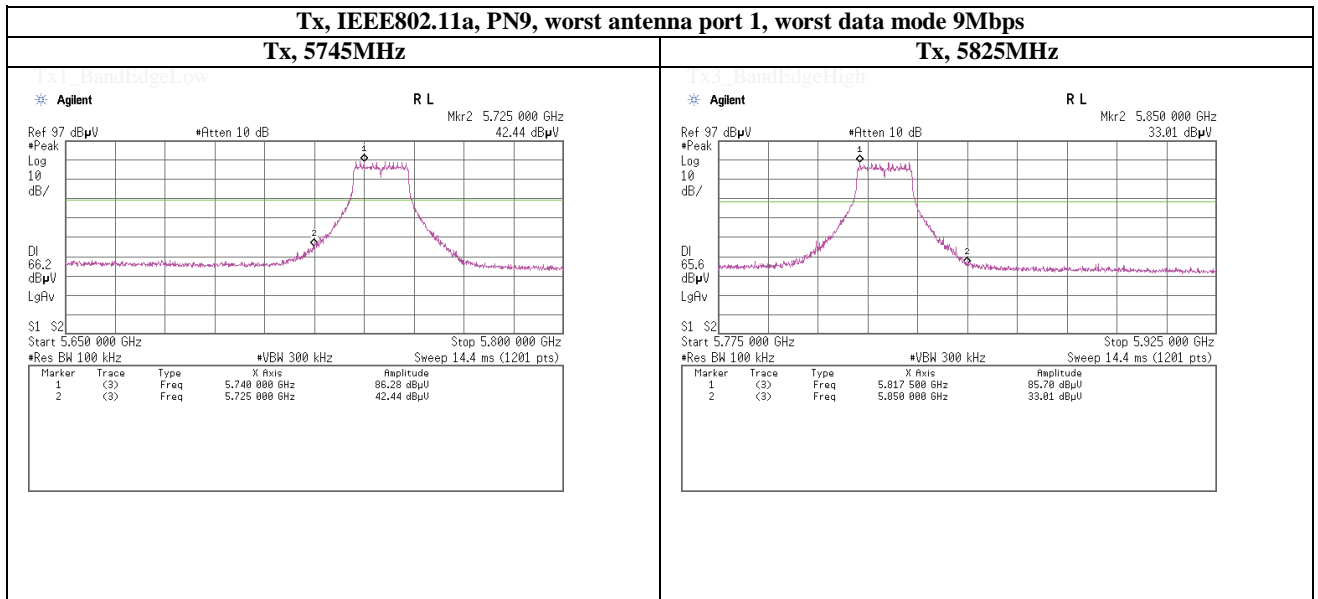
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

(Reference chart) Spurious emission (Conducted)

Band Edge compliance



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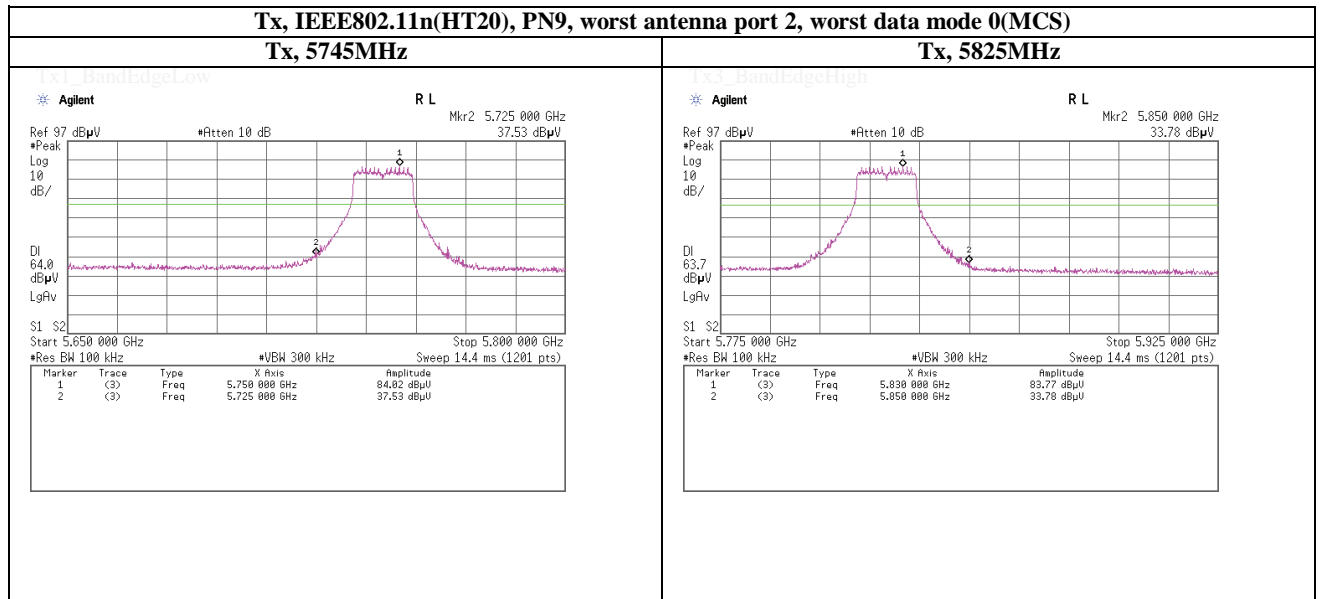
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

Telephone : +81 463 50 6400

Facsimile : +81 463 50 6401

(Reference chart) Spurious emission (Conducted)

Band Edge compliance



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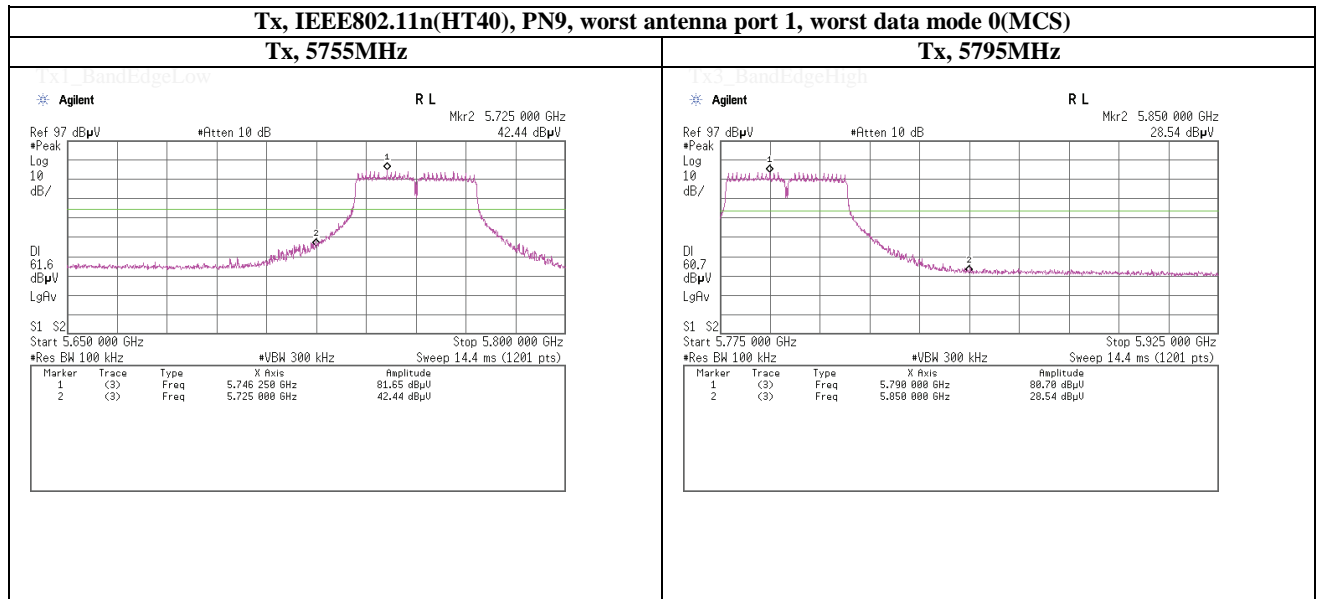
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

Telephone : +81 463 50 6400

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(Reference chart) Spurious emission (Conducted)

Band Edge compliance



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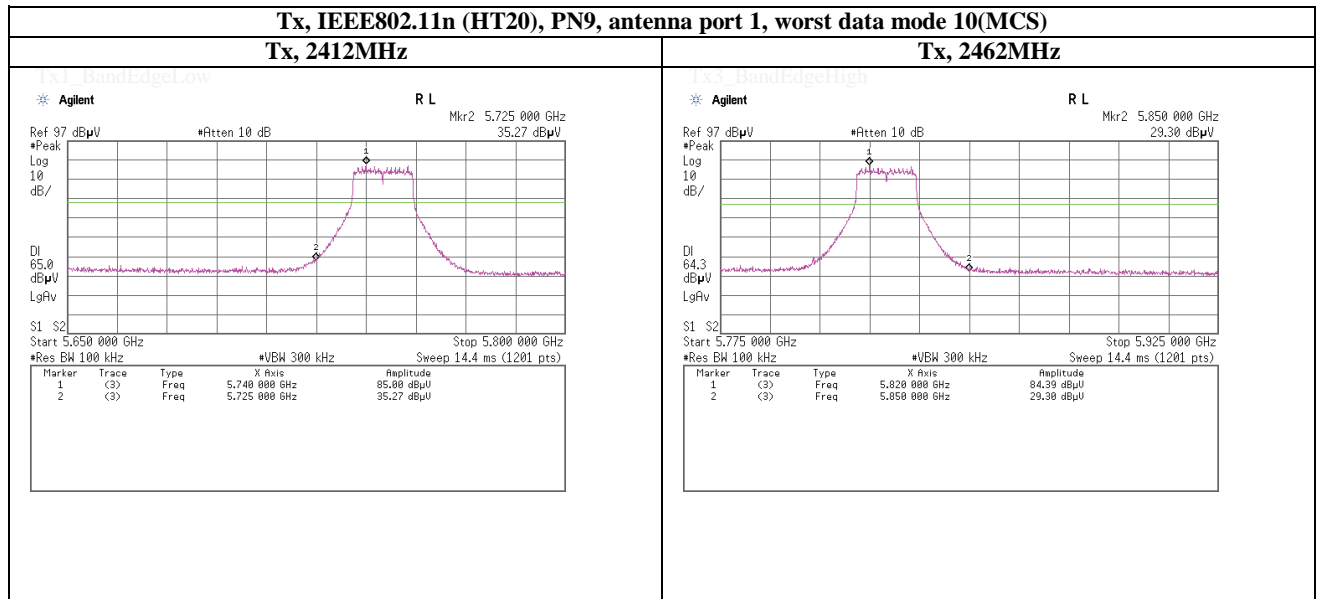
1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa 259-1220 JAPAN

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Spurious emission (Conducted)

Band Edge compliance



Tx1_BandEdgeLow_Ant1

Tx3_BandEdgeHigh_Ant1

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Shonan EMC Lab.

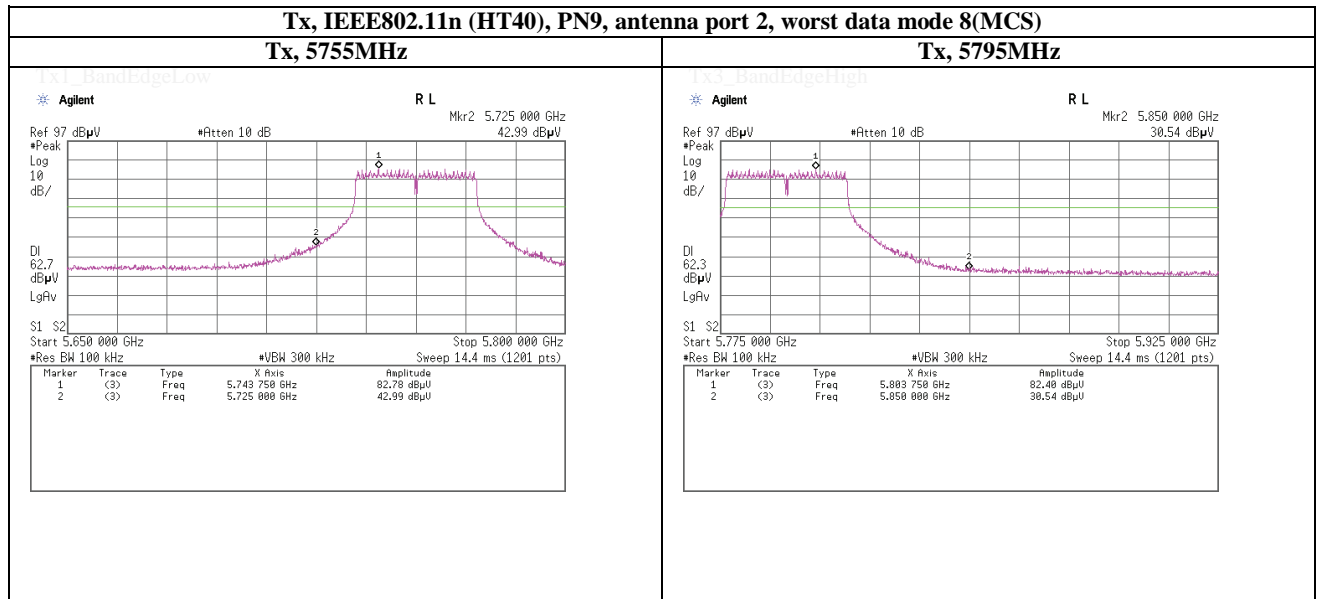
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Spurious emission (Conducted)

Band Edge compliance



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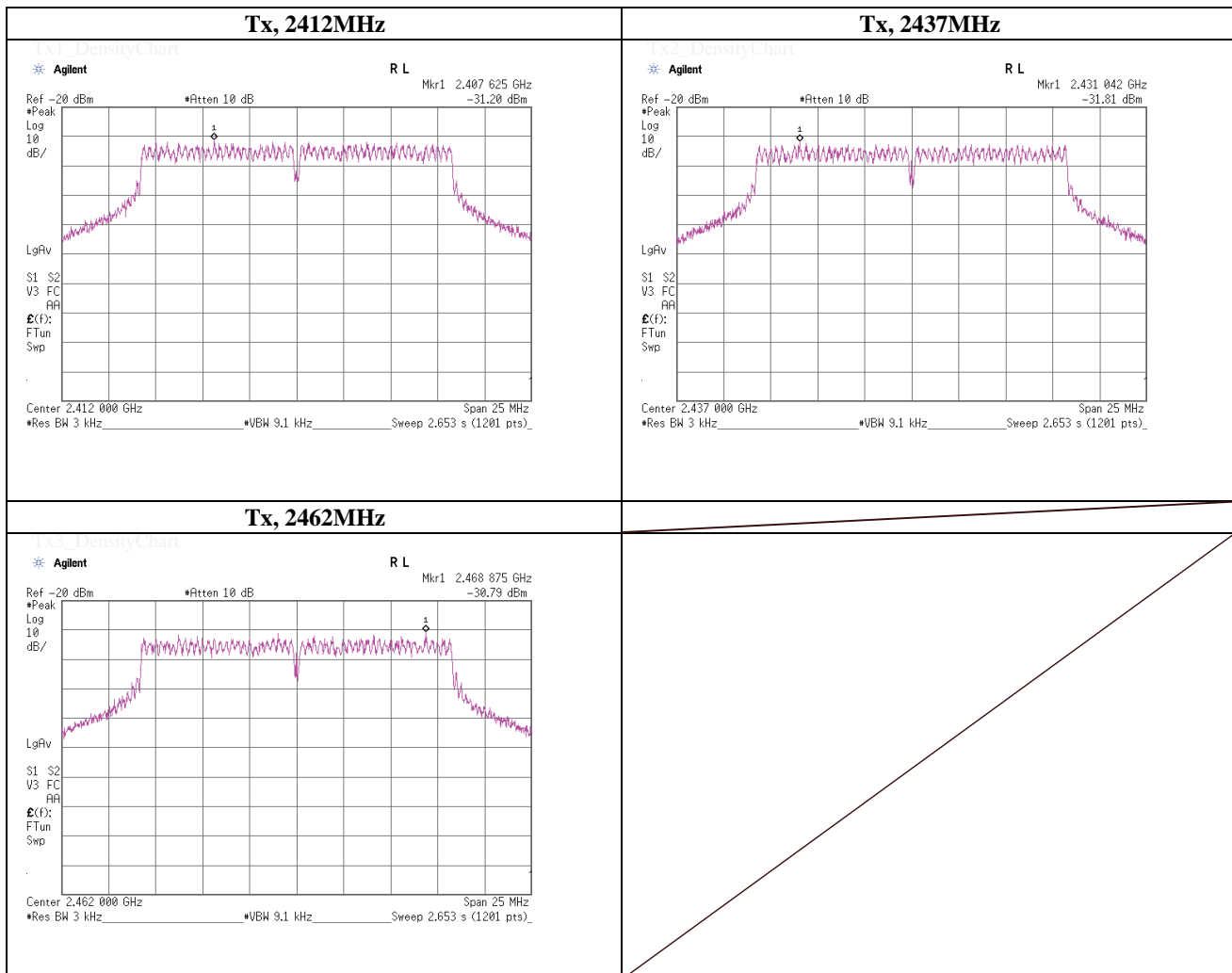
Maximum Power Spectral Density

(Method 10.2 PKPSD)

Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
 Date May 2, 2013
 Temperature / Humidity 24deg.C , 40%RH
 Engineer Makoto Hosaka
 Mode Tx, IEEE802.11g, PN9, worst antenna port 1, worst data mode 6Mbps

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
2412.0000	2407.63	-31.20	1.50	20.21	-9.49	8.00	17.49
2437.0000	2431.04	-31.81	1.50	20.21	-10.10	8.00	18.10
2462.0000	2468.88	-30.79	1.51	20.21	-9.07	8.00	17.07

Sample Calculation:
 Result = Reading + Cable Loss + Atten. Loss



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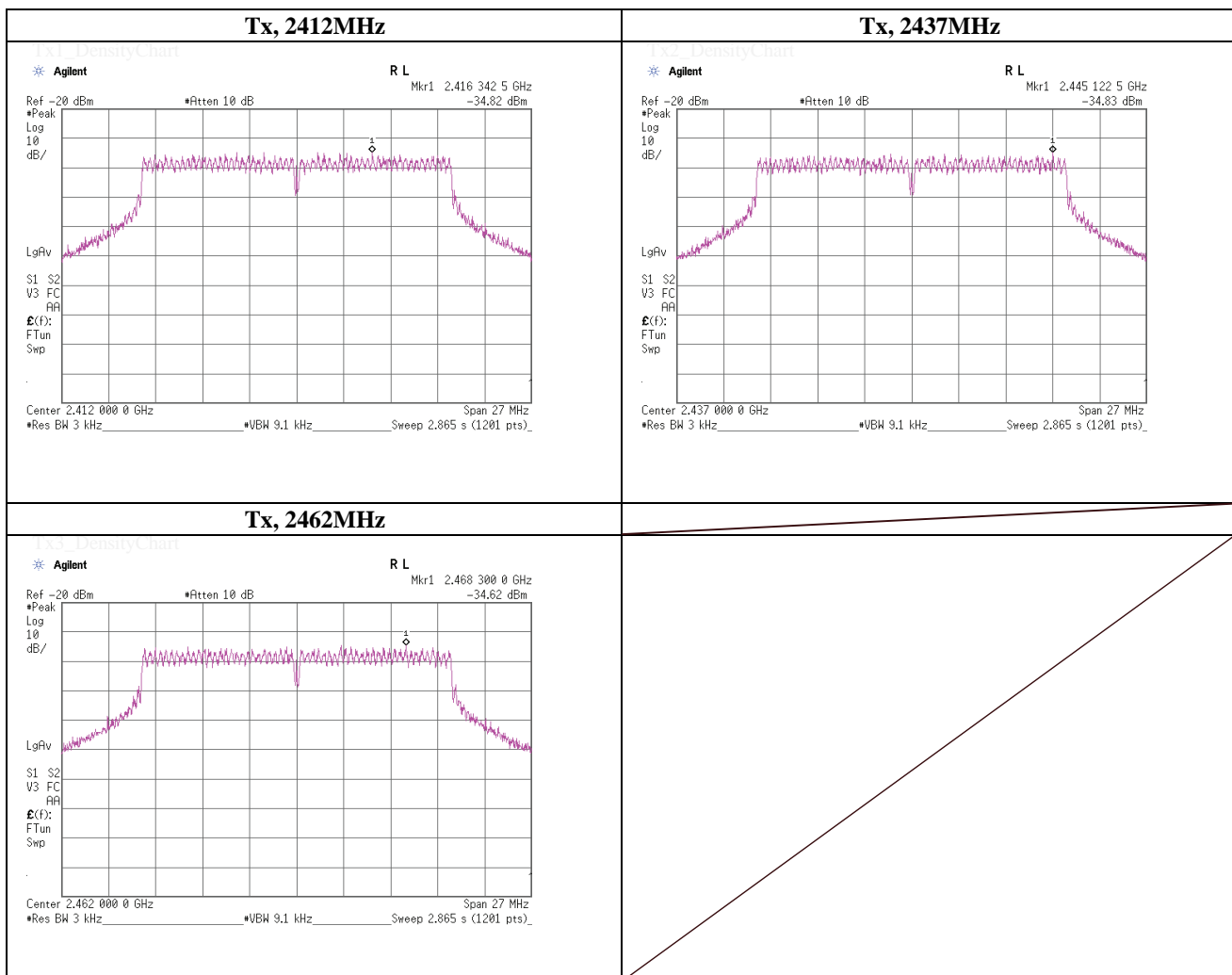
Maximum Power Spectral Density

(Method 10.2 PKPSD)

Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
 Date May 2, 2013
 Temperature / Humidity 24deg.C , 40%RH
 Engineer Makoto Hosaka
 Mode Tx, IEEE802.11n(HT20), PN9, worst antenna port 1, worst data mode 0(MCS)

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
2412.0000	2416.34	-34.82	1.50	20.21	-13.11	8.00	21.11
2437.0000	2445.12	-34.83	1.50	20.21	-13.12	8.00	21.12
2462.0000	2468.30	-34.62	1.51	20.21	-12.90	8.00	20.90

Sample Calculation:
 Result = Reading + Cable Loss + Atten. Loss



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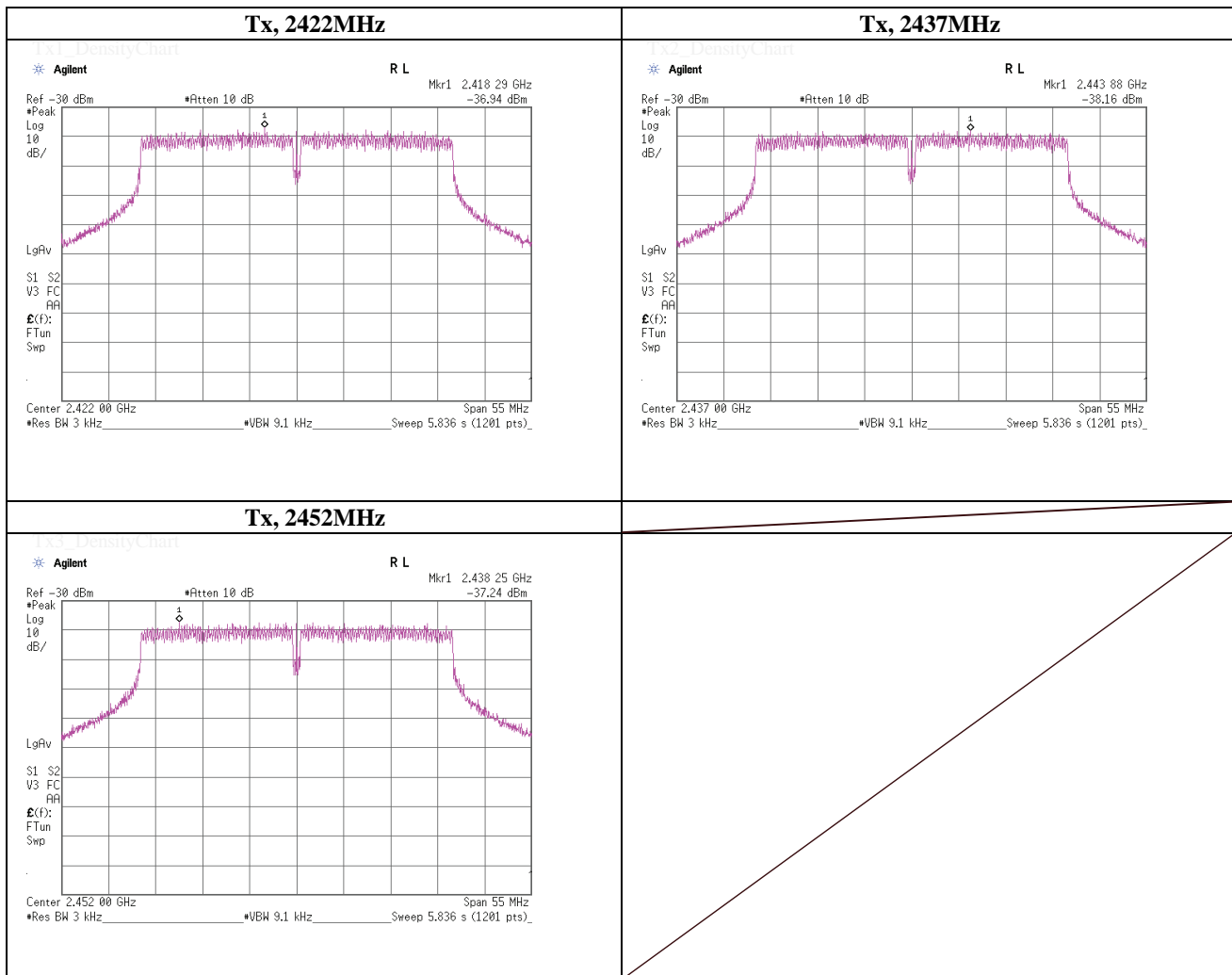
Maximum Power Spectral Density

(Method 10.2 PKPSD)

Test place	UL Japan, Inc. Shonan EMC Lab.	No.5 Shielded Room
Date	May 2, 2013	
Temperature / Humidity	24deg.C , 40%RH	
Engineer	Makoto Hosaka	
Mode	Tx, IEEE802.11n(HT40), PN9, worst antenna port 1, worst data mode 0(MCS)	

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
2422.0000	2418.29	-36.94	1.50	20.21	-15.23	8.00	23.23
2437.0000	2443.88	-38.16	1.50	20.21	-16.45	8.00	24.45
2452.0000	2438.25	-37.24	1.50	20.21	-15.53	8.00	23.53

Sample Calculation:
Result = Reading + Cable Loss + Atten. Loss



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Maximum Power Spectral Density

(Method 10.2 PKPSD)

Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
Date May 2, 2013
Temperature / Humidity 24deg.C , 40%RH
Engineer Makoto Hosaka
Mode Tx, IEEE802.11n (HT20), PN9, worst data mode 8(MCS)

Antenna 1

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	10log (N _{ANT})* [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
2412.0000	2418.26	-34.66	1.50	20.21	3.01	-9.94	8.00	17.94
2437.0000	2431.40	-34.85	1.50	20.21	3.01	-10.13	8.00	18.13
2462.0000	2453.61	-34.35	1.51	20.21	3.01	-9.62	8.00	17.62

Sample Calculation:

Result = Reading + Cable Loss + Atten. Loss + 10log(NANT)

Antenna 2

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	10log (N _{ANT})* [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
2412.0000	2410.76	-33.97	1.52	20.21	3.01	-9.23	8.00	17.23
2437.0000	2429.51	-33.17	1.51	20.21	3.01	-8.43	8.00	16.43
2462.0000	2462.97	-34.78	1.51	20.21	3.01	-10.05	8.00	18.05

Sample Calculation:

Result = Reading + Cable Loss + Atten. Loss + 10log(NANT)

*) This test was measured based on Method In-Band Power Spectral Density (PSD) Measurements (2) of
"Emissions Testing of Transmitters with Multiple Outputs in the Same Band (KDB662911 D01 v01r02)"

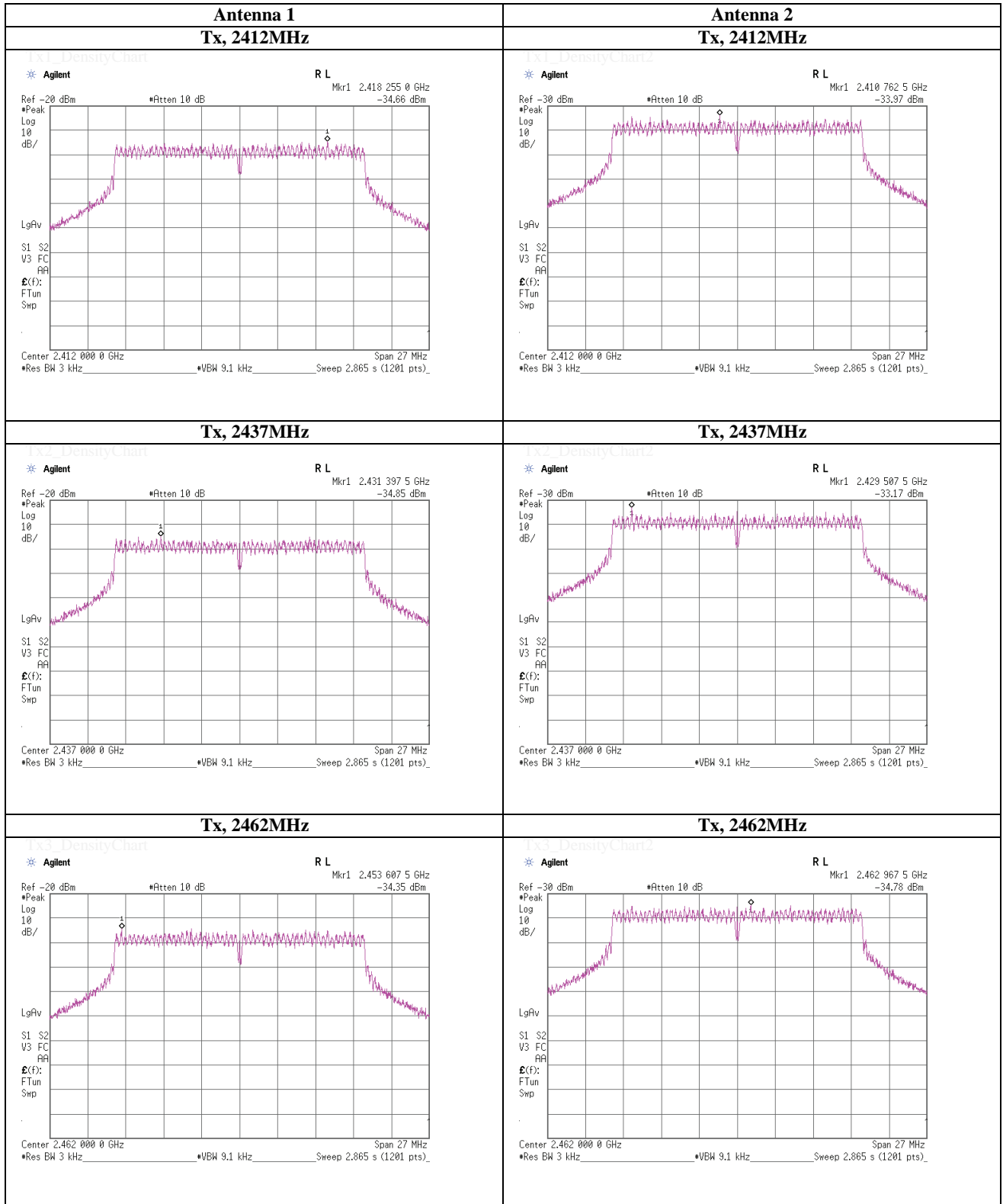
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Power Density



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Maximum Power Spectral Density

(Method 10.2 PKPSD)

Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
Date May 2, 2013
Temperature / Humidity 24deg.C , 40%RH
Engineer Makoto Hosaka
Mode Tx, IEEE802.11n (HT40), PN9, worst data mode 8(MCS)

Antenna 1

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	10log (N _{ANT})* [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
2422.0000	2434.51	-36.78	1.50	20.21	3.01	-12.06	8.00	20.06
2437.0000	2436.06	-36.52	1.50	20.21	3.01	-11.80	8.00	19.80
2452.0000	2464.51	-35.54	1.50	20.21	3.01	-10.82	8.00	18.82

Sample Calculation:

Result = Reading + Cable Loss + Atten. Loss + 10log(NANT)

Antenna 2

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	10log (N _{ANT})* [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
2422.0000	2430.75	-35.87	1.52	20.21	3.01	-11.13	8.00	19.13
2437.0000	2438.28	-37.23	1.51	20.21	3.01	-12.50	8.00	20.50
2452.0000	2452.00	-36.25	1.51	20.21	3.01	-11.52	8.00	19.52

Sample Calculation:

Result = Reading + Cable Loss + Atten. Loss + 10log(NANT)

*) This test was measured based on Method In-Band Power Spectral Density (PSD) Measurements (2) of
"Emissions Testing of Transmitters with Multiple Outputs in the Same Band (KDB662911 D01 v01r02)"

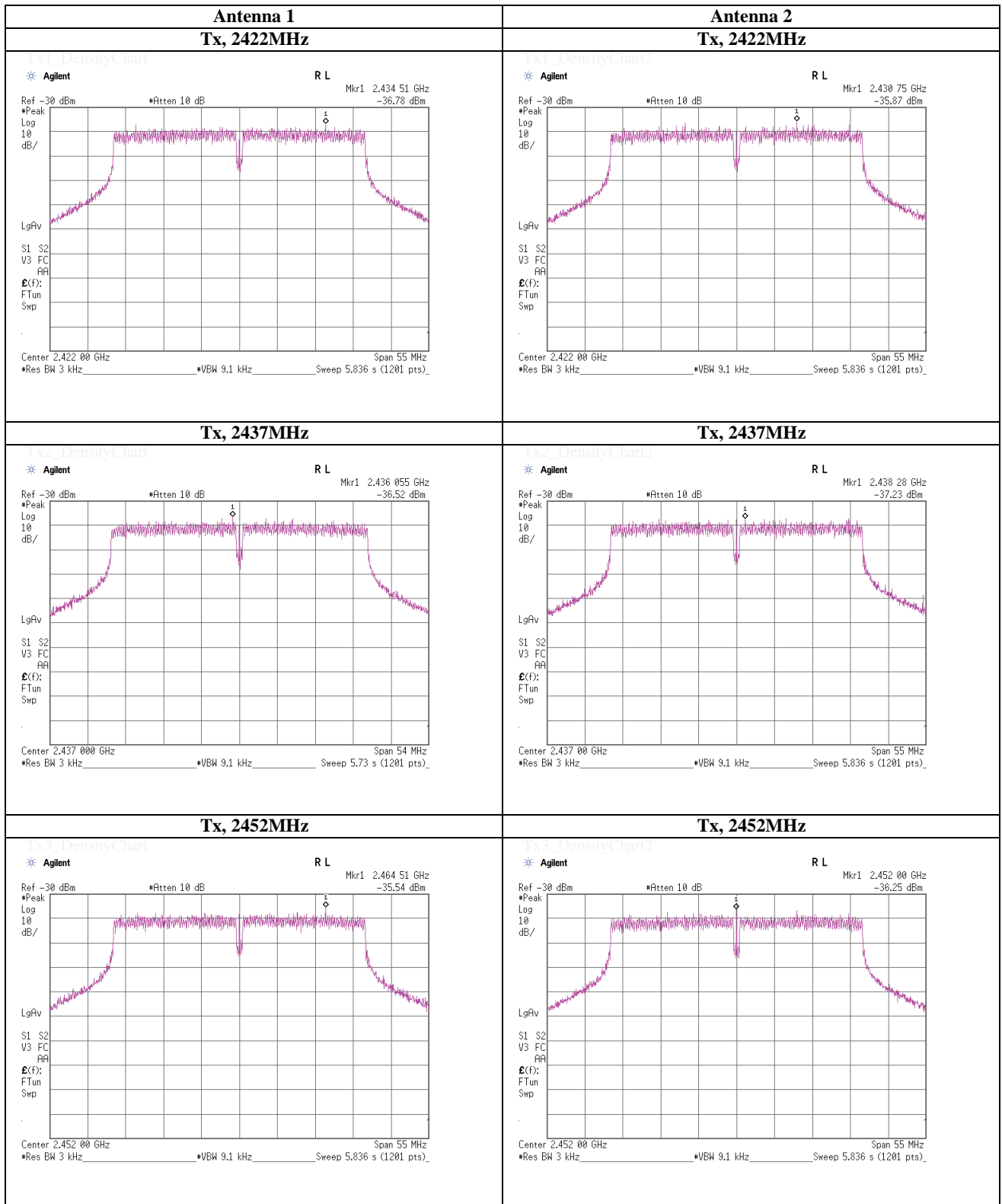
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Power Density



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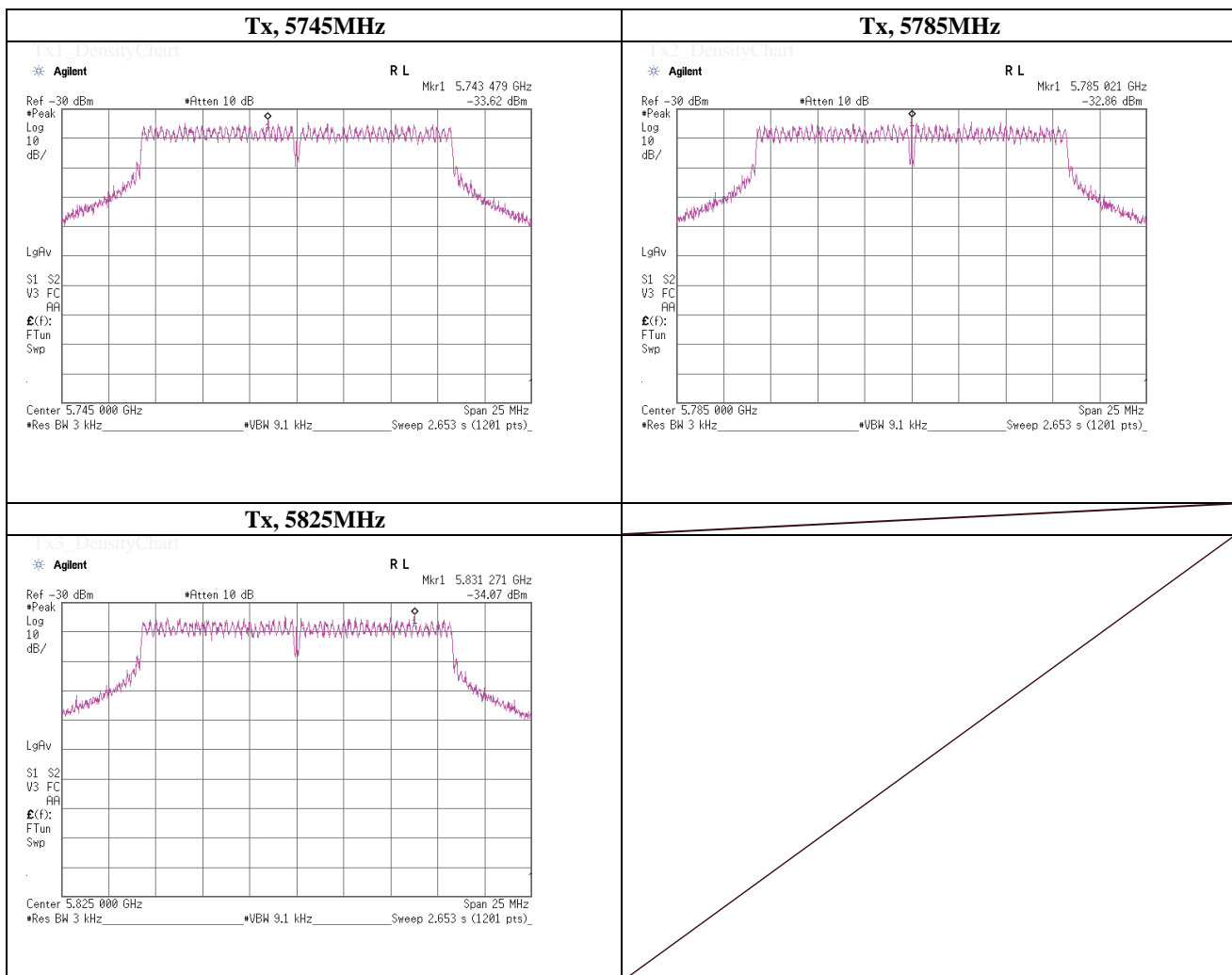
Maximum Power Spectral Density

(Method 10.2 PKPSD)

Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
 Date May 2, 2013
 Temperature / Humidity 24deg.C , 40%RH
 Engineer Makoto Hosaka
 Mode Tx, IEEE802.11a, PN9, worst antenna port 1, worst data mode 9Mbps

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5745.0000	5743.48	-33.62	2.31	20.09	-11.22	8.00	19.22
5785.0000	5785.02	-32.86	2.32	20.09	-10.45	8.00	18.45
5825.0000	5831.27	-34.07	2.65	20.10	-11.32	8.00	19.32

Sample Calculation:
 Result = Reading + Cable Loss + Atten. Loss



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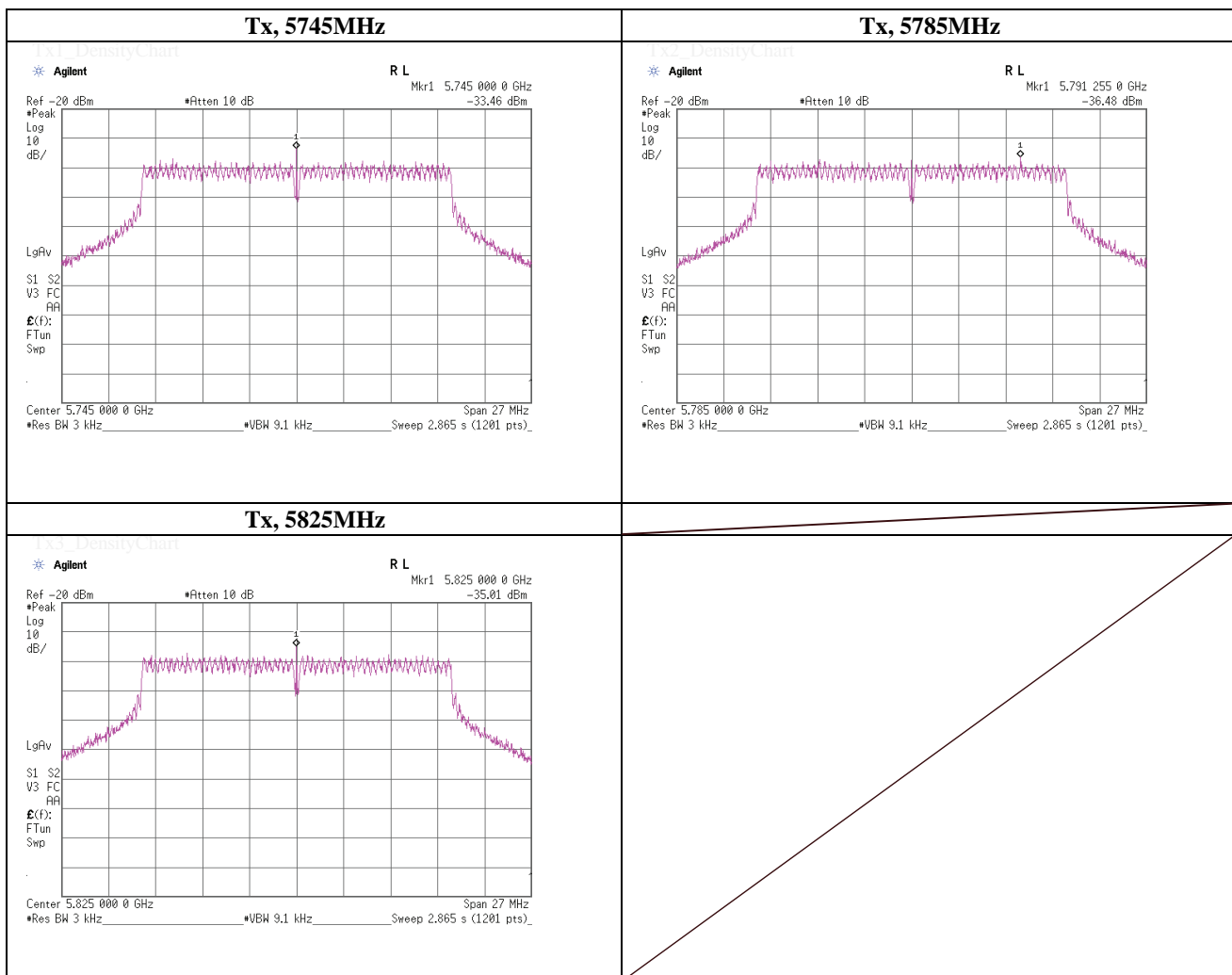
Maximum Power Spectral Density

(Method 10.2 PKPSD)

Test place	UL Japan, Inc. Shonan EMC Lab.	No.5 Shielded Room
Date	May 2, 2013	
Temperature / Humidity	24deg.C , 40%RH	
Engineer	Makoto Hosaka	
Mode	Tx, IEEE802.11n(HT20), PN9, worst antenna port 2, worst data mode 0(MCS)	

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5745.0000	5745.00	-33.46	2.36	20.09	-11.01	8.00	19.01
5785.0000	5791.26	-36.48	2.38	20.09	-14.01	8.00	22.01
5825.0000	5825.00	-35.01	2.42	20.10	-12.49	8.00	20.49

Sample Calculation:
Result = Reading + Cable Loss + Atten. Loss



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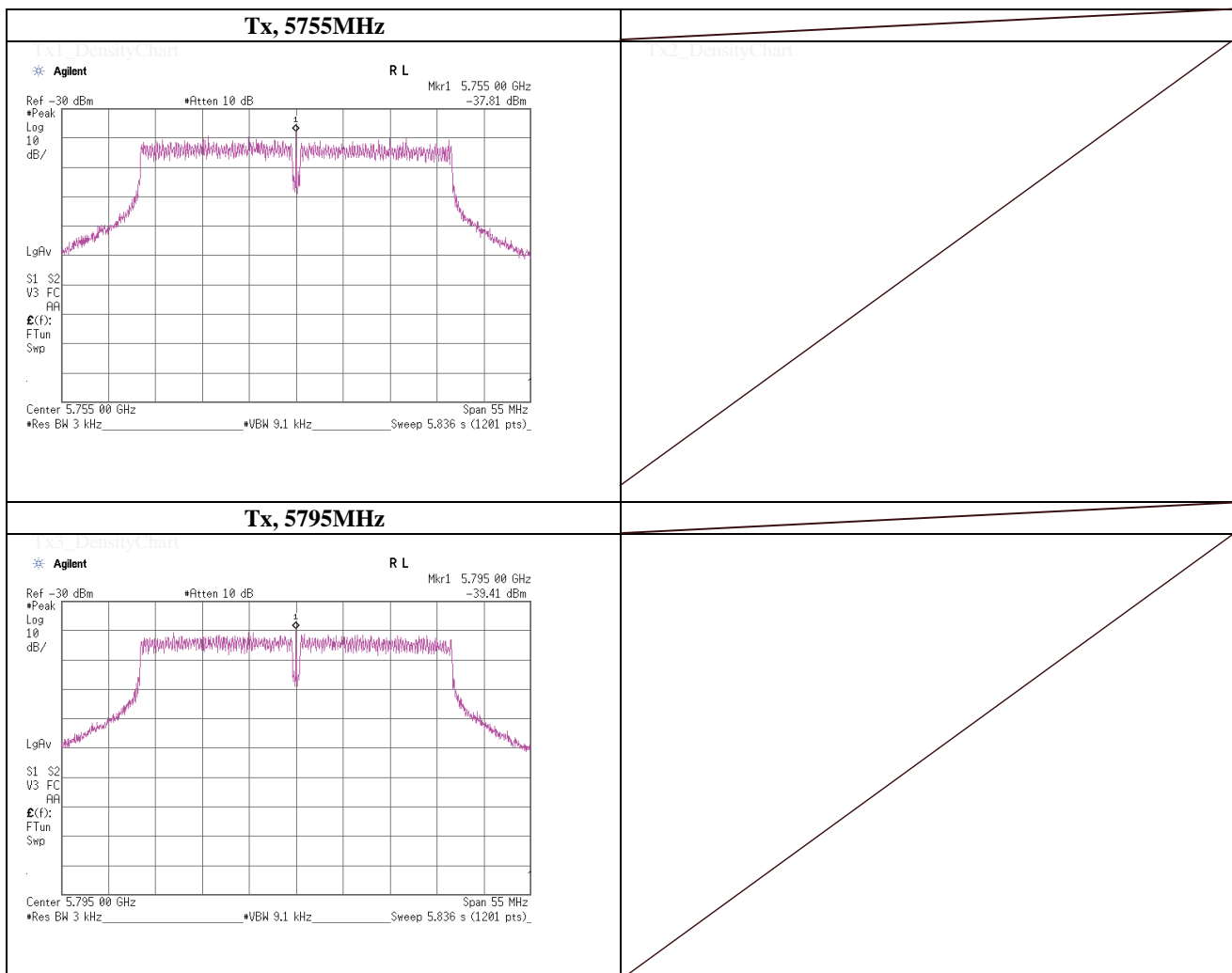
Maximum Power Spectral Density

(Method 10.2 PKPSD)

Test place	UL Japan, Inc. Shonan EMC Lab.	No.5 Shielded Room
Date	May 2, 2013	
Temperature / Humidity	24deg.C , 40%RH	
Engineer	Makoto Hosaka	
Mode	Tx, IEEE802.11n(HT40), PN9, worst antenna port 1, worst data mode 0(MCS)	

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5755.0000	5755.00	-37.81	2.31	20.09	-15.41	8.00	23.41
5795.0000	5795.00	-39.41	2.32	20.09	-17.00	8.00	25.00

Sample Calculation:
 Result = Reading + Cable Loss + Atten. Loss



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Maximum Power Spectral Density

(Method 10.2 PKPSD)

Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
 Date May 2, 2013
 Temperature / Humidity 24deg.C , 40%RH
 Engineer Makoto Hosaka
 Mode Tx, IEEE802.11n (HT20), PN9, worst data mode 10(MCS)

Antenna 1

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	10log (N _{ANT})* [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5745.0000	5739.96	-38.09	2.31	20.09	3.01	-12.68	8.00	20.68
5785.0000	5780.01	-37.49	2.32	20.09	3.01	-12.07	8.00	20.07
5825.0000	5820.01	-38.03	2.65	20.10	3.01	-12.27	8.00	20.27

Sample Calculation:

Result = Reading + Cable Loss + Atten. Loss + 10log(NANT)

Antenna 2

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	10log (N _{ANT})* [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5745.0000	5745.00	-35.49	2.36	20.09	3.01	-10.03	8.00	18.03
5785.0000	5778.77	-37.11	2.38	20.09	3.01	-11.63	8.00	19.63
5825.0000	5825.00	-36.66	2.42	20.10	3.01	-11.13	8.00	19.13

Sample Calculation:

Result = Reading + Cable Loss + Atten. Loss + 10log(NANT)

*) This test was measured based on Method In-Band Power Spectral Density (PSD) Measurements (2) of
 "Emissions Testing of Transmitters with Multiple Outputs in the Same Band (KDB662911 D01 v01r02)"

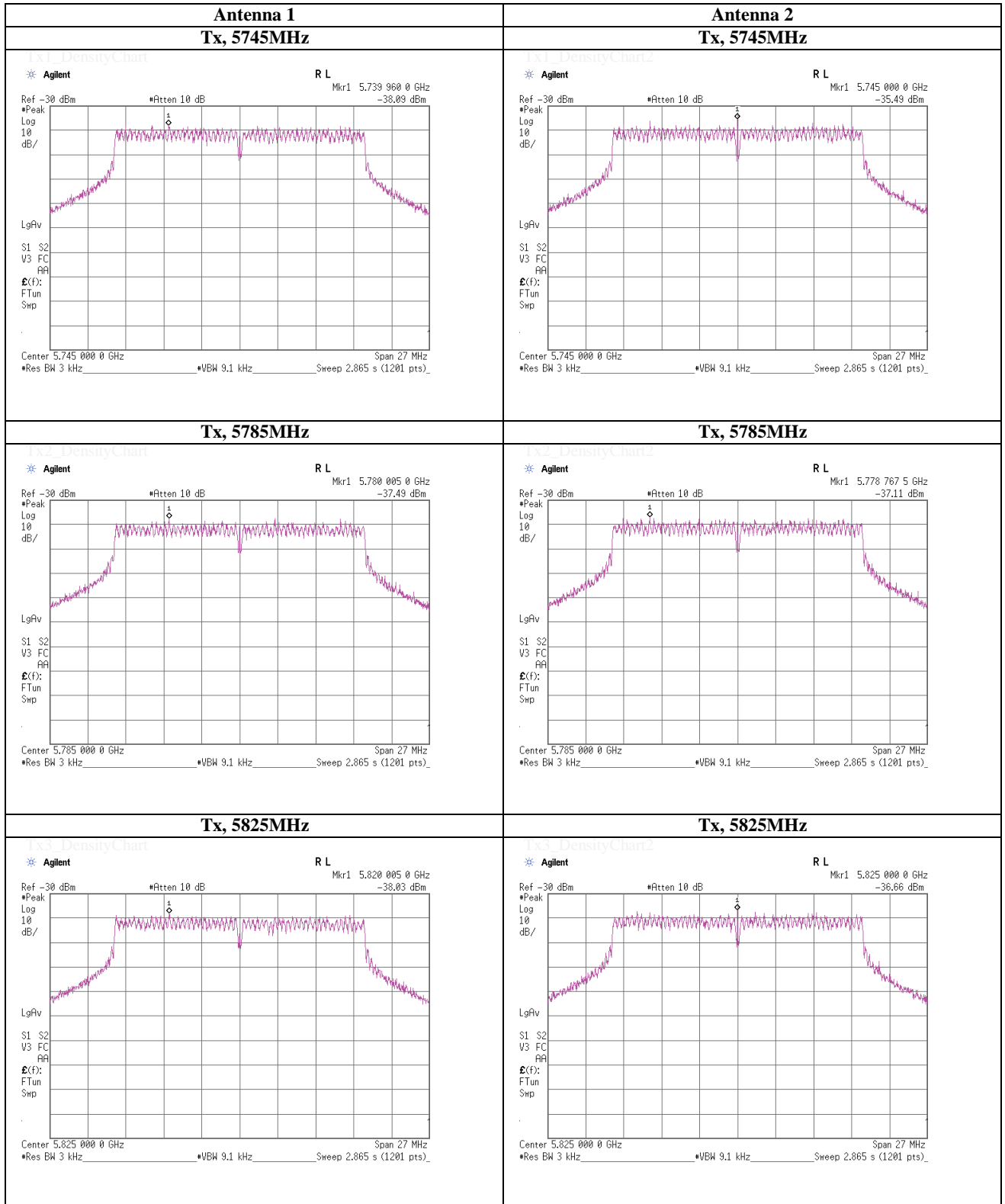
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Power Density



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Maximum Power Spectral Density

(Method 10.2 PKPSD)

Test place UL Japan, Inc. Shonan EMC Lab. No.5 Shielded Room
Date May 2, 2013
Temperature / Humidity 24deg.C , 40%RH
Engineer Makoto Hosaka
Mode Tx, IEEE802.11n (HT40), PN9, worst data mode 8(MCS)

Antenna 1

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	10log (N _{ANT})* [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5755.0000	5755.00	-37.02	2.31	20.09	3.01	-11.61	8.00	19.61
5795.0000	5795.00	-37.46	2.32	20.09	3.01	-12.04	8.00	20.04

Sample Calculation:

Result = Reading + Cable Loss + Atten. Loss + 10log(NANT)

Antenna 2

Ch. Freq. [MHz]	Freq. Reading [MHz]	Reading [dBm]	Cable Loss [dB]	Atten. [dB]	10log (N _{ANT})* [dB]	Result [dBm]	Limit [dBm]	Margin [dB]
5755.0000	5755.00	-34.37	2.37	20.09	3.01	-8.90	8.00	16.90
5795.0000	5795.00	-32.34	2.38	20.09	3.01	-6.86	8.00	14.86

Sample Calculation:

Result = Reading + Cable Loss + Atten. Loss + 10log(NANT)

*) This test was measured based on Method In-Band Power Spectral Density (PSD) Measurements (2) of
"Emissions Testing of Transmitters with Multiple Outputs in the Same Band (KDB662911 D01 v01r02)"

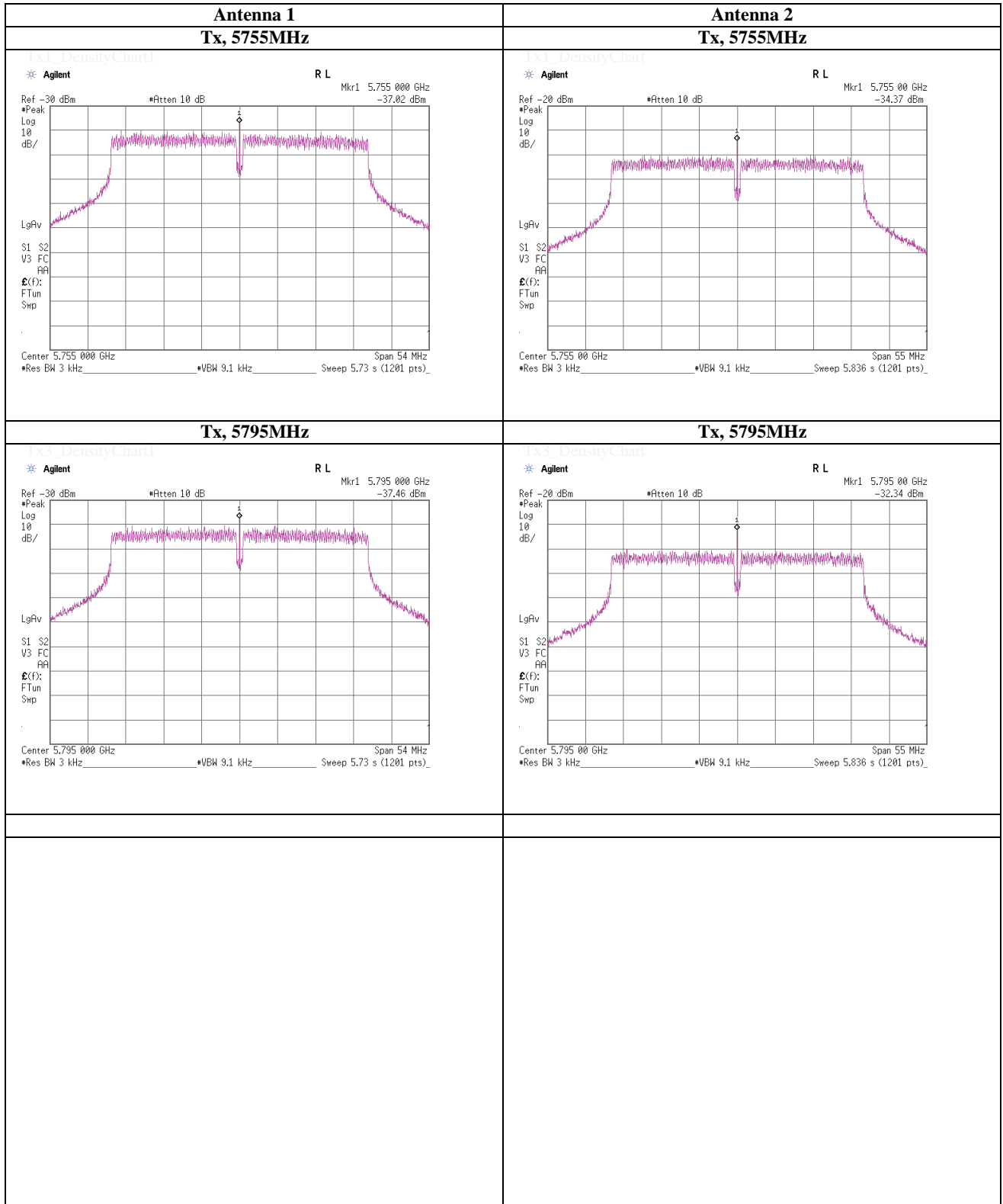
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Power Density



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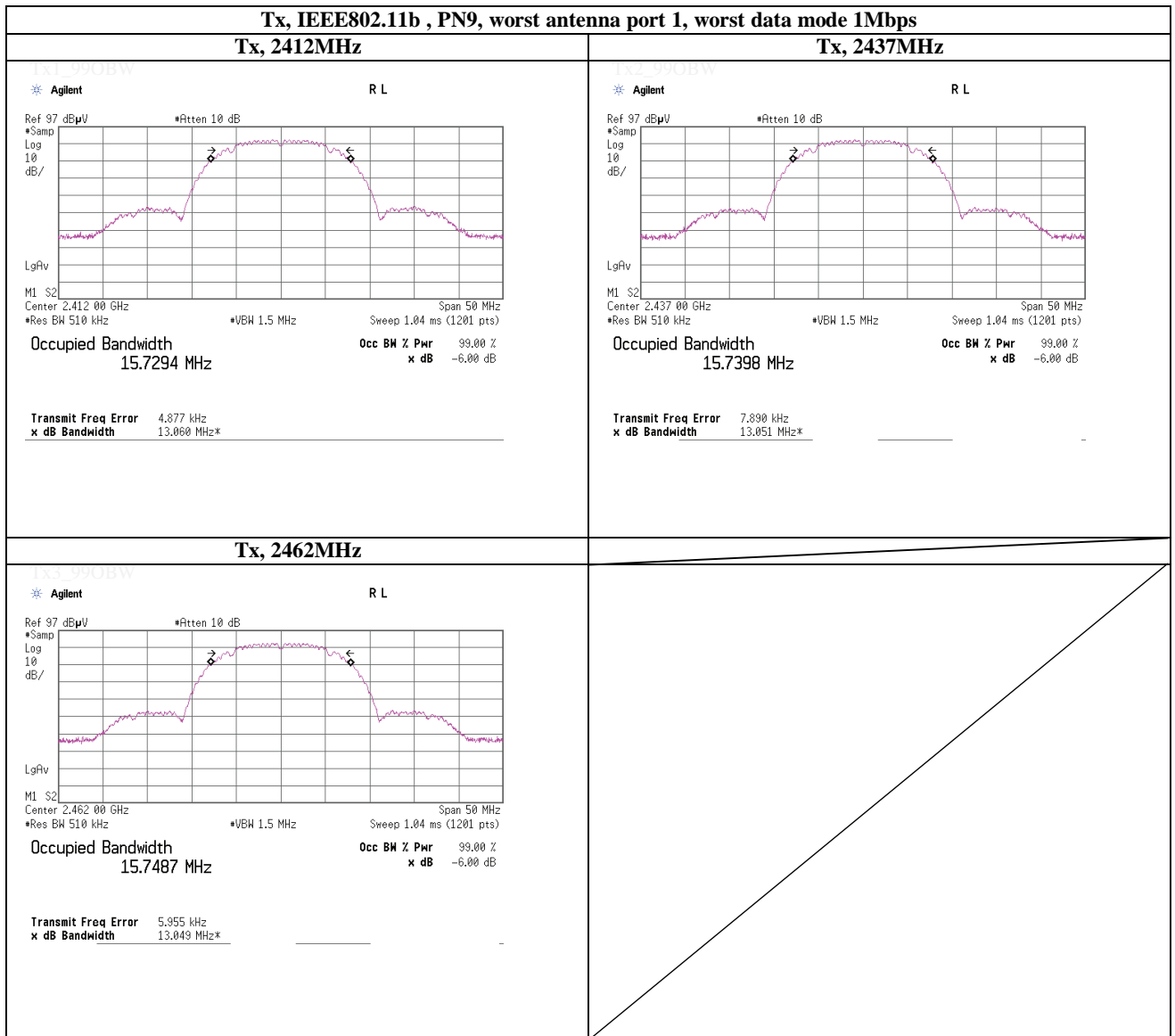
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99% Occupied Bandwidth



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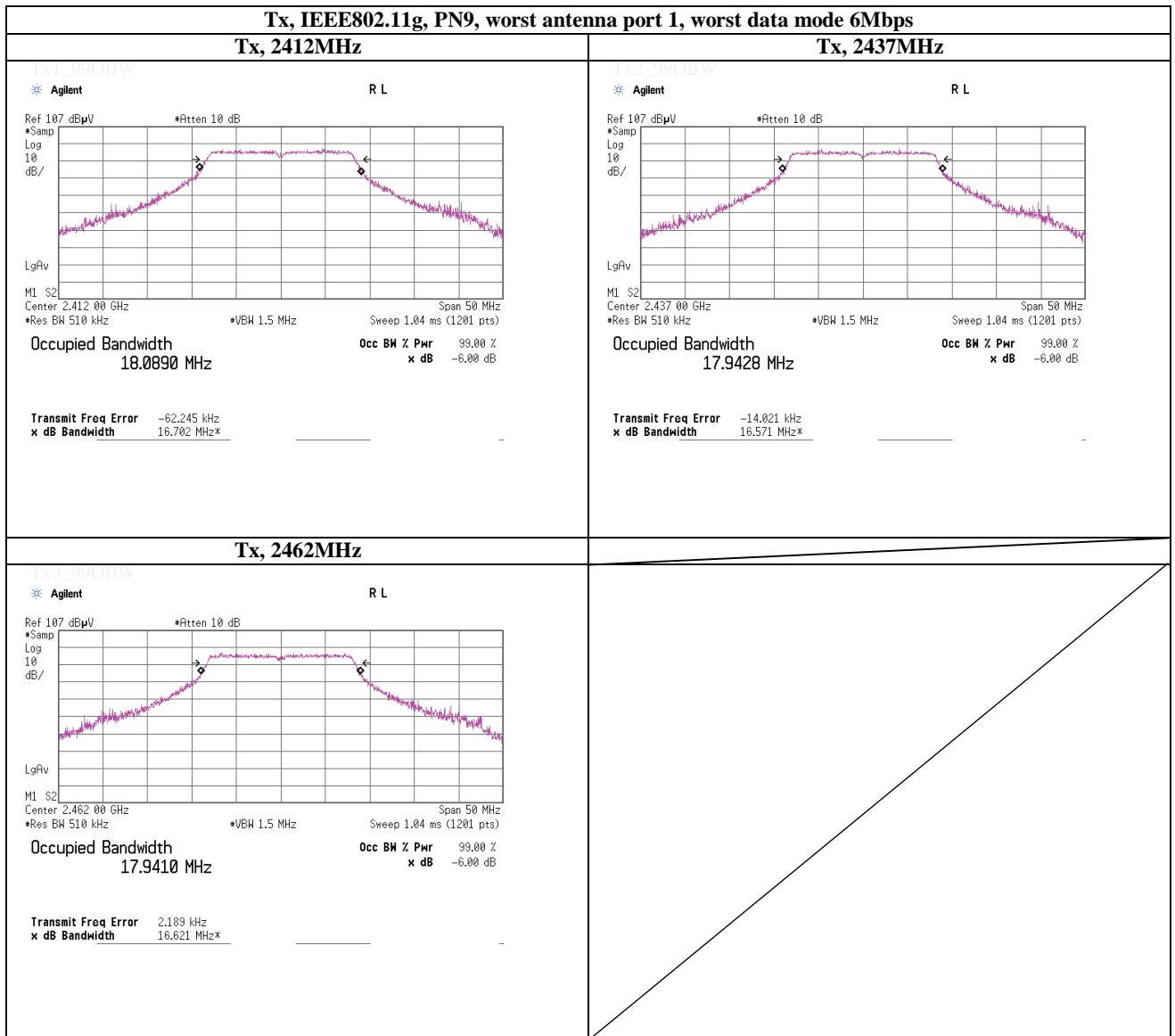
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99% Occupied Bandwidth



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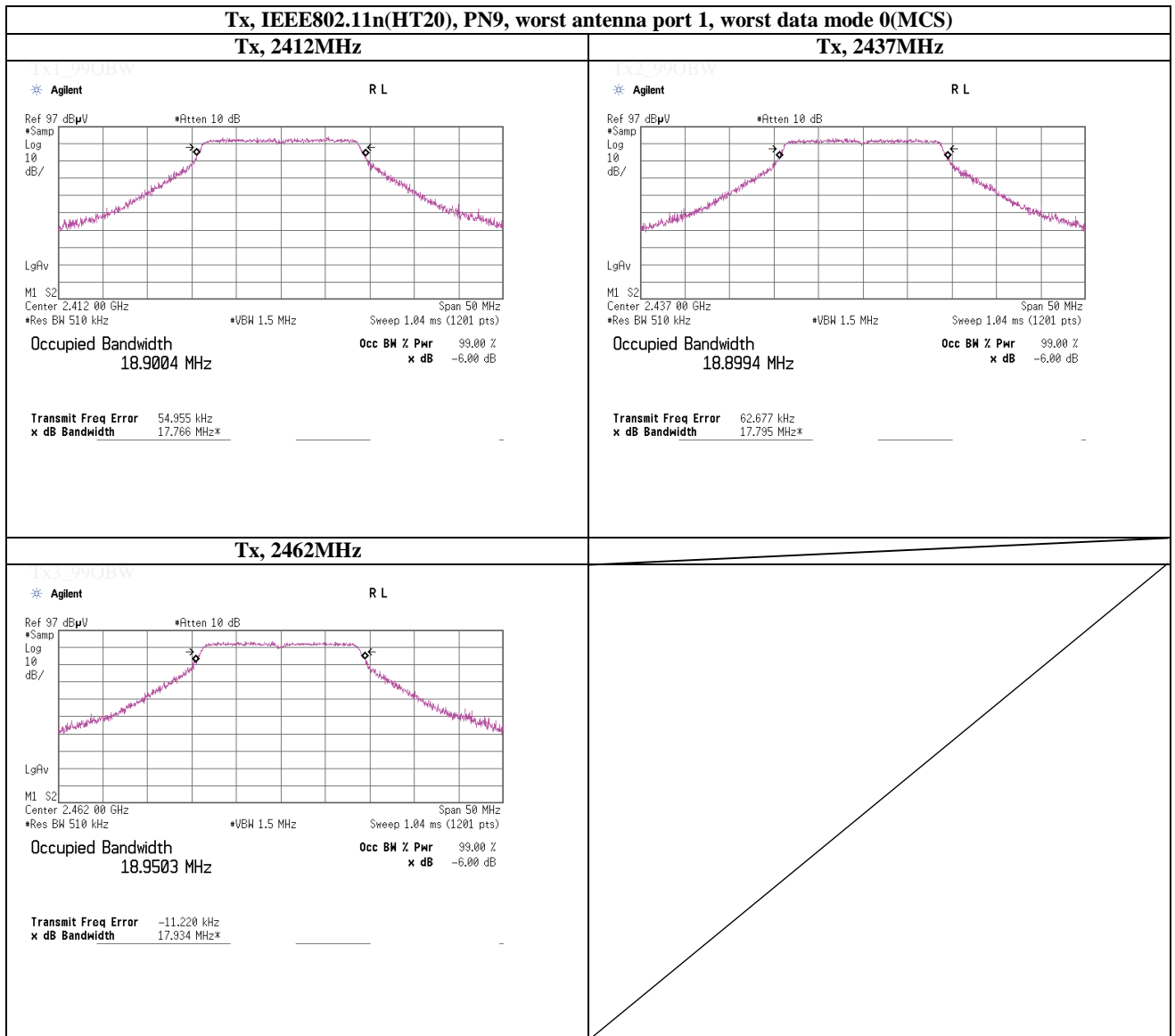
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99% Occupied Bandwidth



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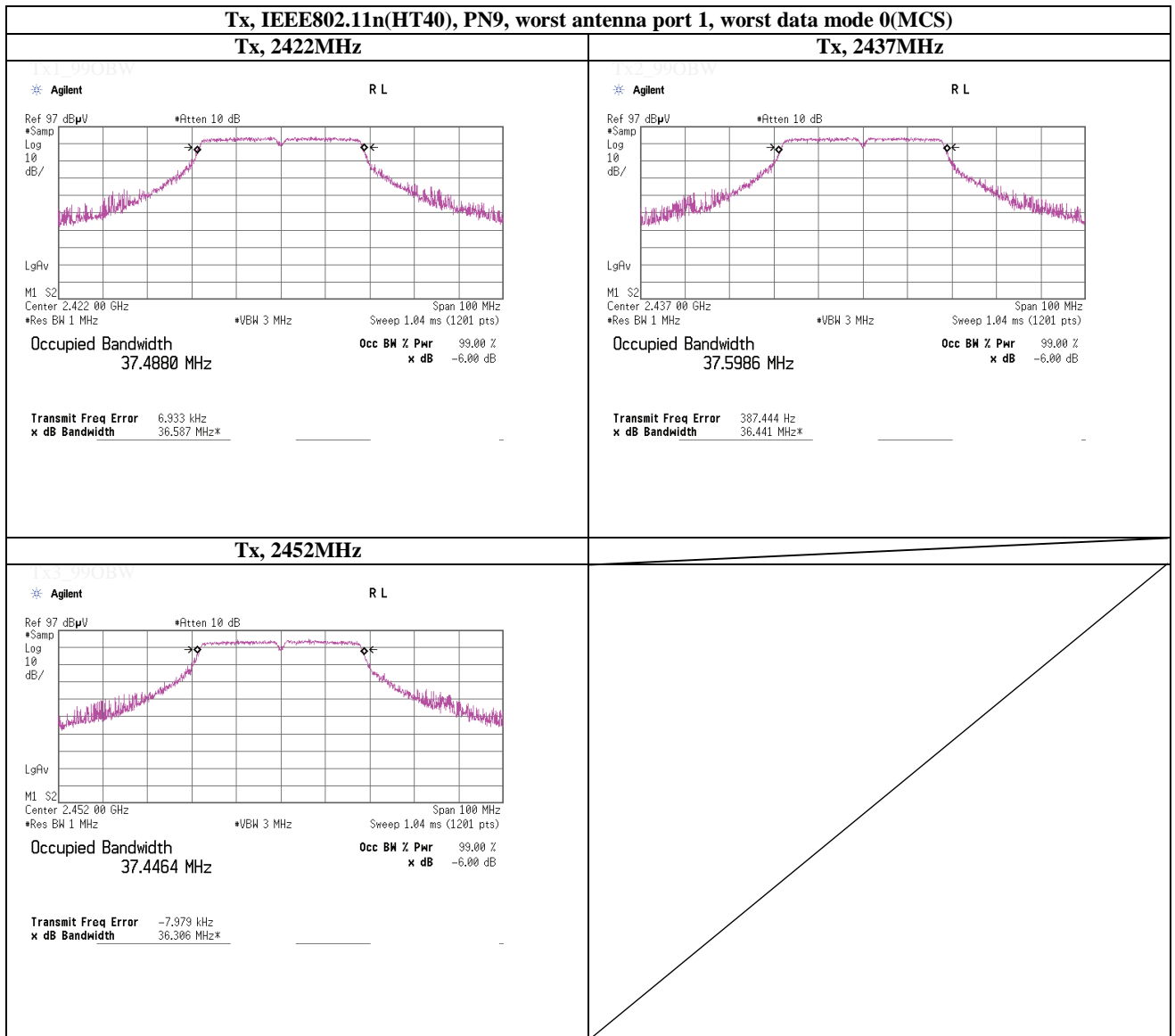
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99% Occupied Bandwidth



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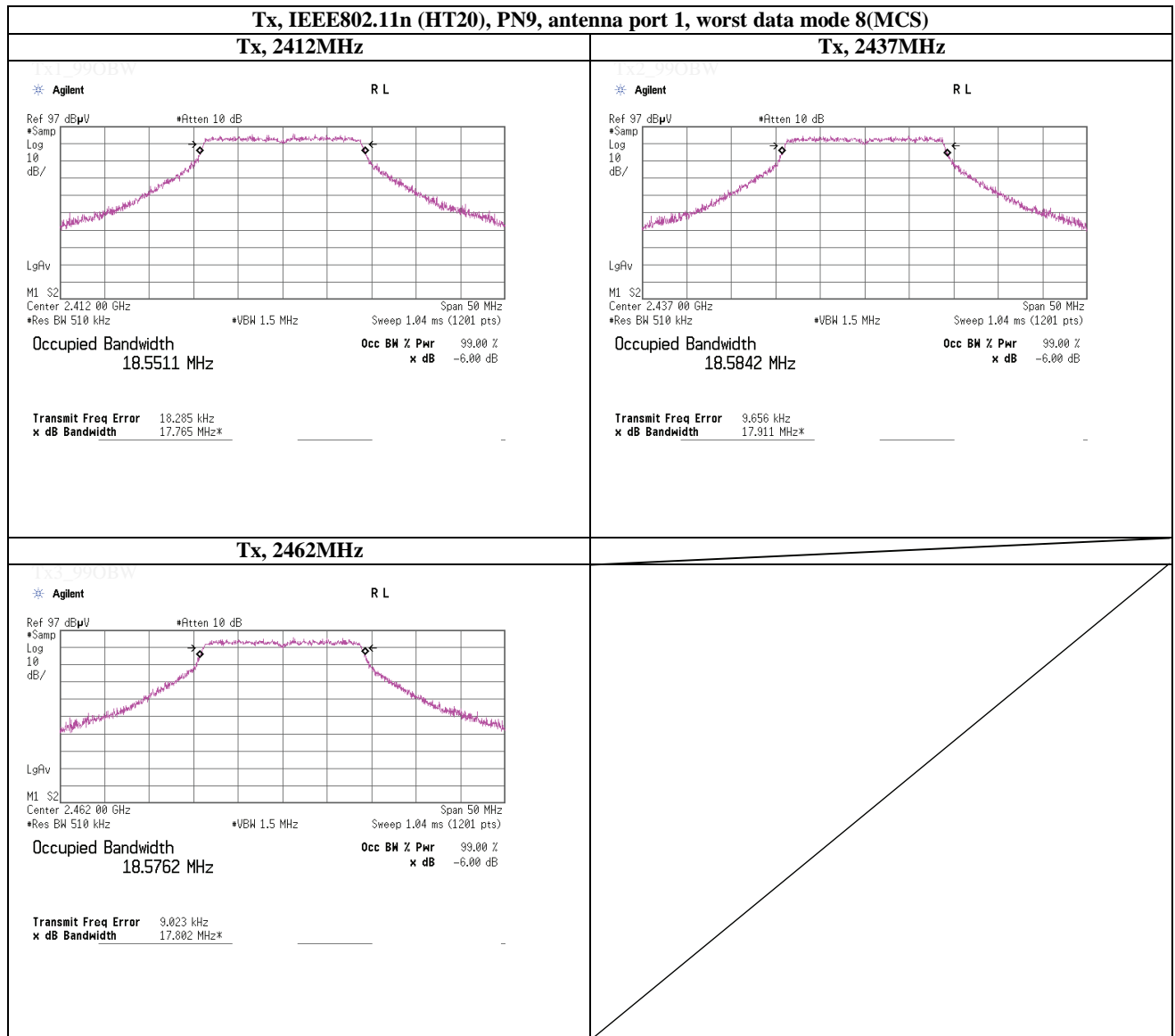
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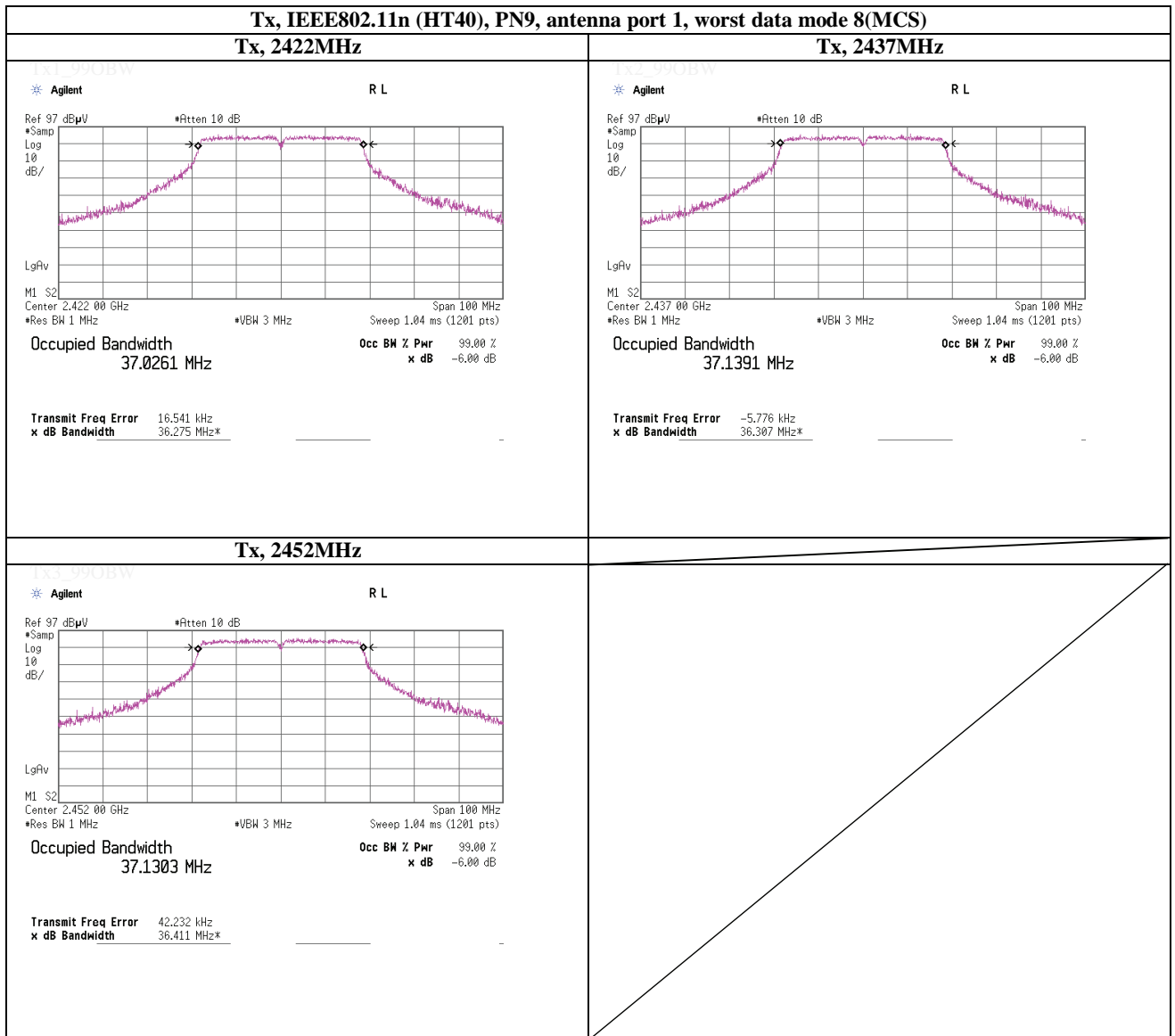
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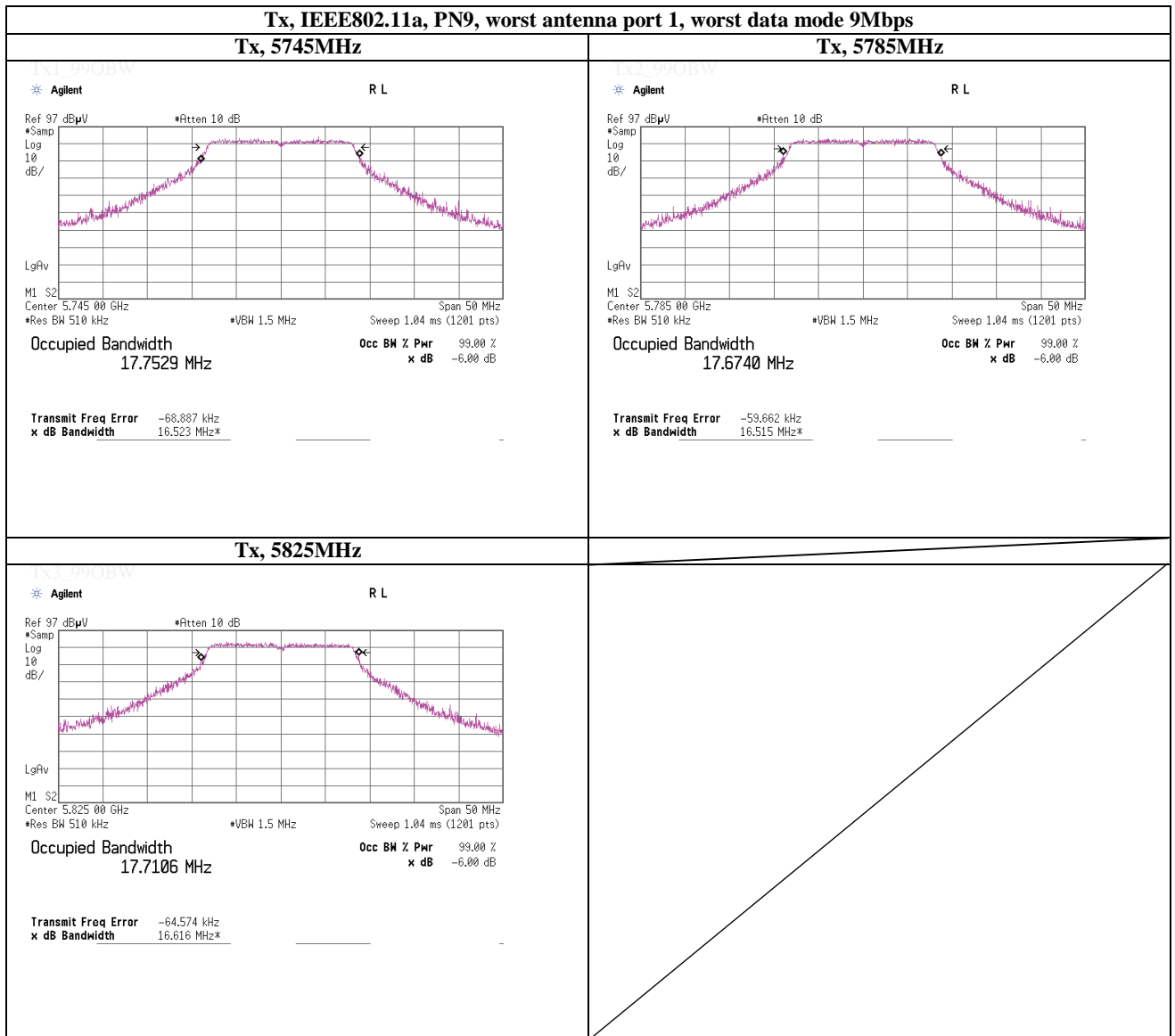
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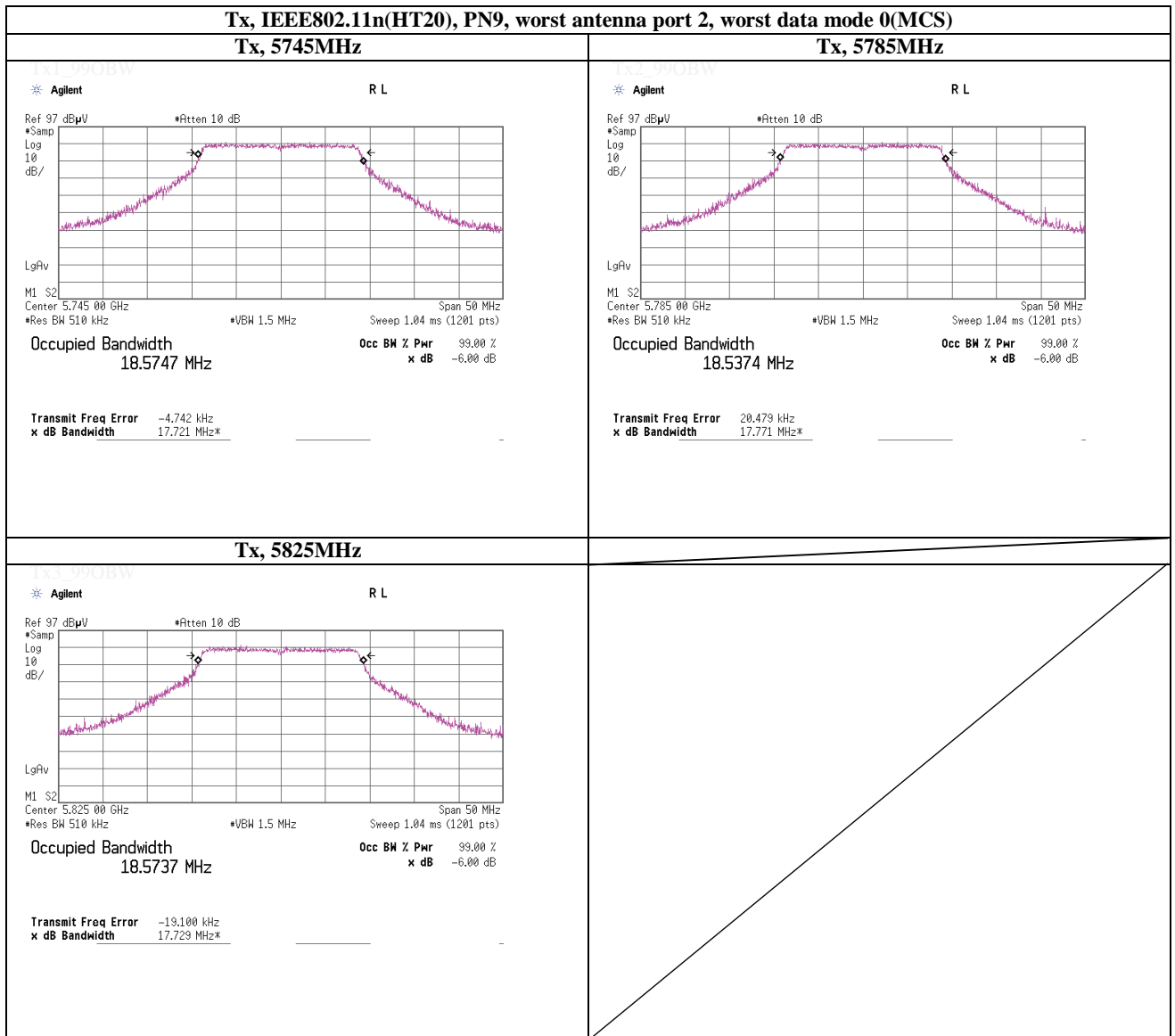
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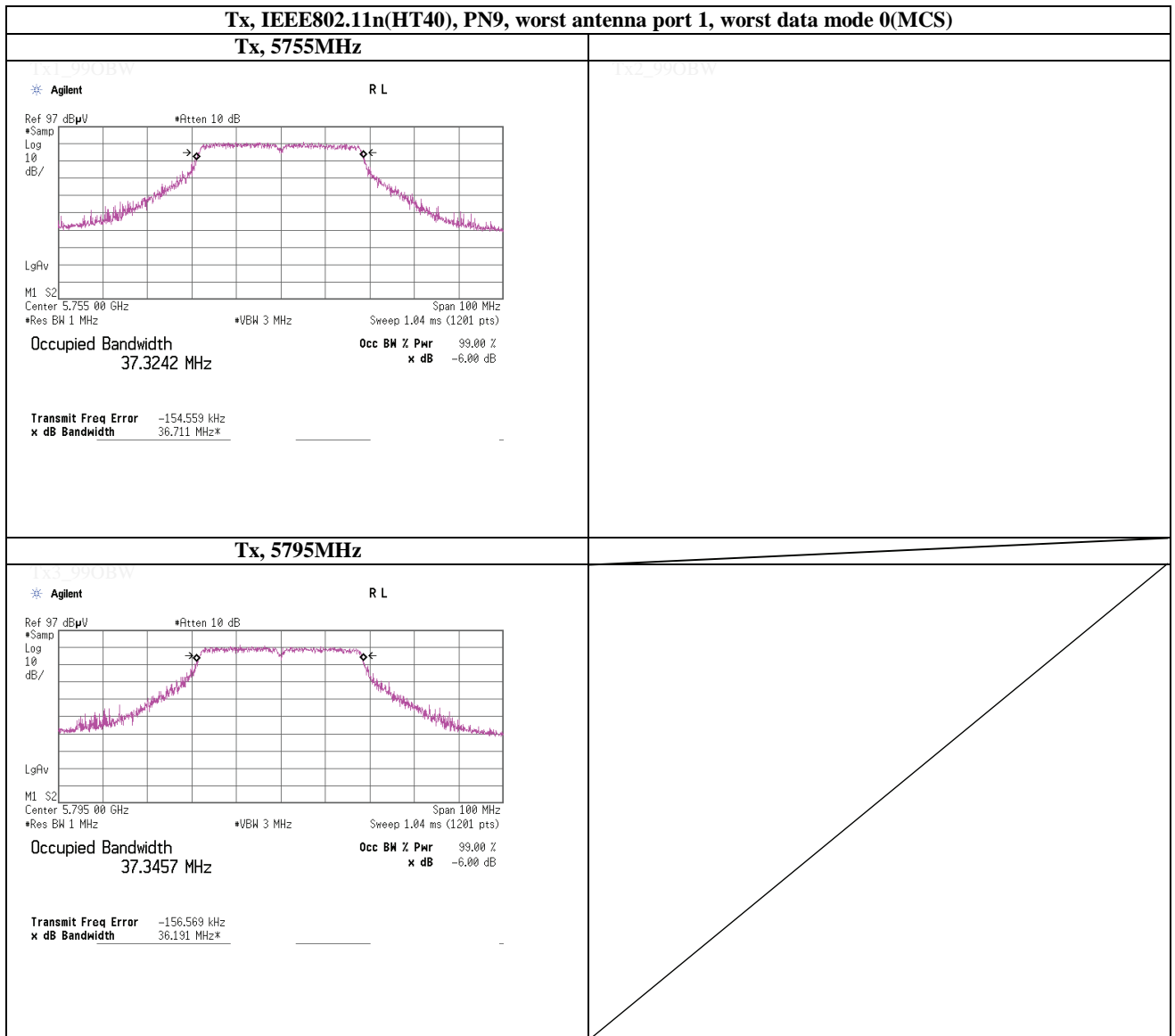
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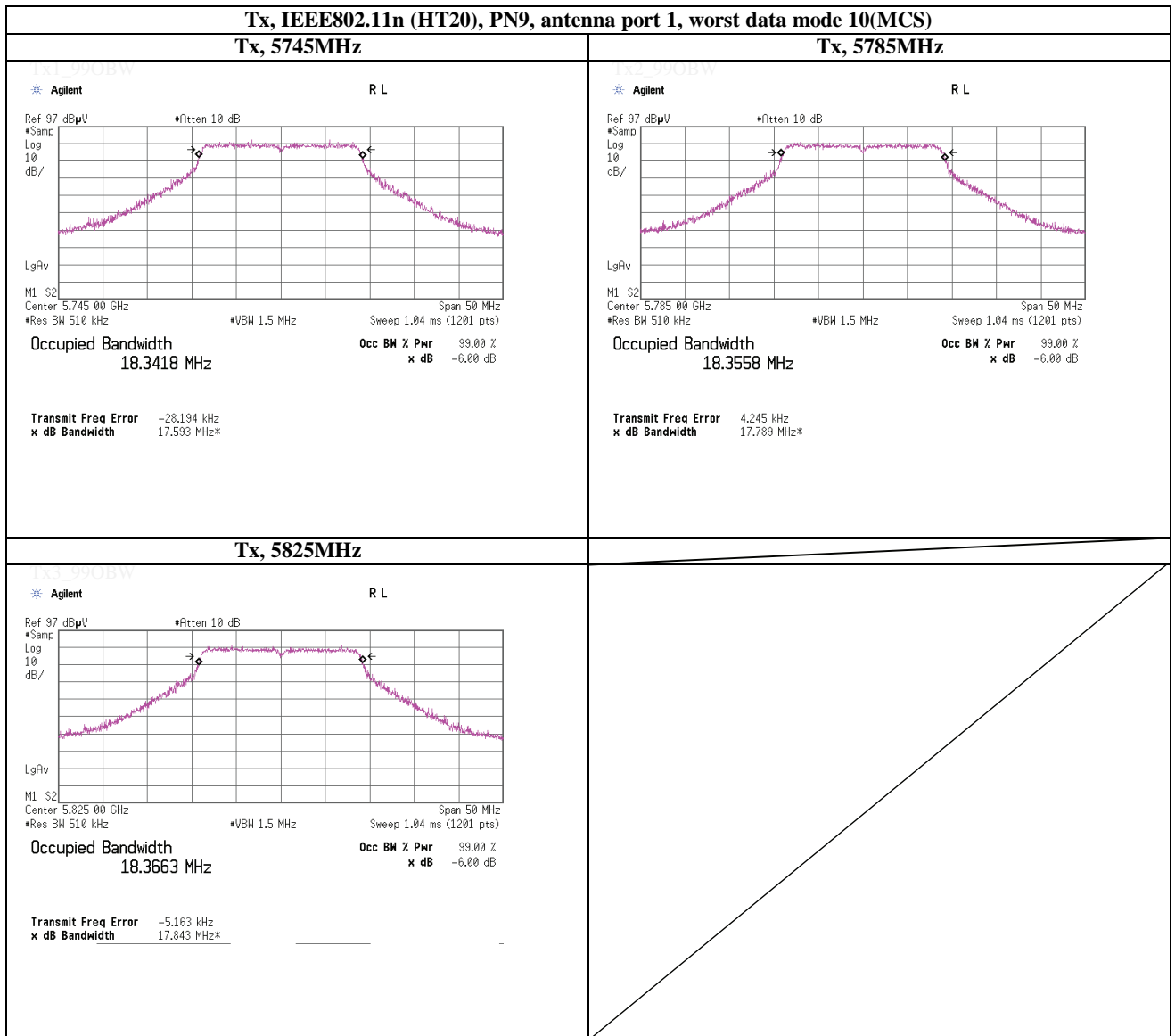
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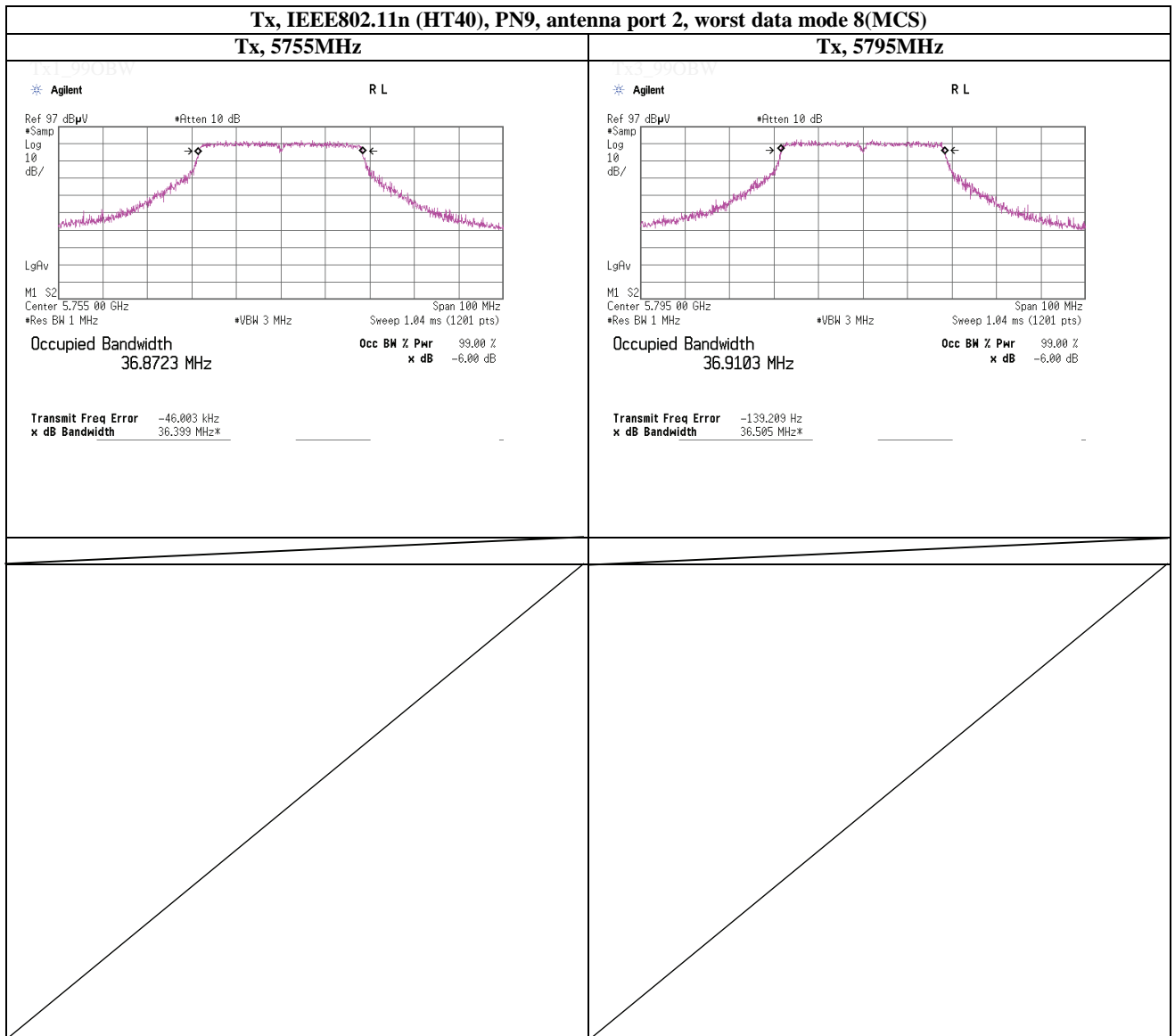
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99% Occupied Bandwidth



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APPENDIX 2 Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
KSA-08	Spectrum Analyzer	Agilent	E4446A	MY46180525	AT/RE	2013/03/04 * 12
SPM-06	Power Meter	Anritsu	ML2495A	0850009	AT	2013/04/09 * 12
SPSS-03	Power sensor	Anritsu	MA2411B	0917063	AT	2013/04/09 * 12
SAT20-05	Attenuator	Weinschel Corp.	54A-20	Y5649	AT	2012/11/15 * 12
SCC-G12	Coaxial Cable	Suhner	SUCOFLEX 102	30790/2	AT	2013/03/16 * 12
SCC-H5	Microwave cable	Hirose Electric	U.FL-2LP-066J1-A-(200)	-	AT	Pre Check
SCC-H2	Microwave cable	Hirose Electric	U.FL-2LP-066J1-A-(200)	-	AT	Pre Check
STM-G5	Terminator	Weinschel	M1459A	U6594	AT	2012/07/18 * 12
SOS-09	Humidity Indicator	A&D	AD-5681	4061484	AT	2013/03/07 * 12
SAEC-02(NSA)	Semi-Anechoic Chamber	TDK	SAEC-02(NSA)	2	RE	2012/09/21 * 12
SAF-05	Pre Amplifier	TOYO Corporation	TPA0118-36	1440490	RE	2013/03/19 * 12
SCC-G02	Coaxial Cable	Suhner	SUCOFLEX 104A	46498/4A	RE	2013/04/09 * 12
SCC-G22	Coaxial Cable	Suhner	SUCOFLEX 104	296199/4	RE	2012/05/22 * 12
SHA-02	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-726	RE	2012/08/17 * 12
SOS-03	Humidity Indicator	A&D	AD-5681	4063325	RE	2013/02/27 * 12
SJM-02	Measure	KOMELON	KMC-36	-	RE	-
COTS-SEMI-1	EMI Software	TSJ	TEPTO-DV(RE,CE,RFI,MF)	-	RE	-
SAT20-01	Attenuator(above1GHz)	Agilent	8493C-020	74889	RE	2012/12/18 * 12
SAT10-06	Attenuator	Agilent	8493C-010	74865	RE	2012/12/18 * 12
SFL-02	Highpass Filter	MICRO-TRONICS	HPM50111	051	RE	2012/12/18 * 12
SFL-03	Highpass Filter	MICRO-TRONICS	HPM50112	028	RE	2012/12/18 * 12
SAEC-01(NSA)	Semi-Anechoic Chamber	TDK	SAEC-01(NSA)	1	RE	2012/09/11 * 12
SAF-04	Pre Amplifier	TOYO Corporation	TPA0118-36	1440489	RE	2013/03/19 * 12
SCC-G01	Coaxial Cable	Suhner	SUCOFLEX 104A	46497/4A	RE	2013/04/09 * 12
SCC-G21	Coaxial Cable	Suhner	SUCOFLEX 104	296169/4	RE	2012/05/22 * 12
SHA-01	Horn Antenna	Schwarzbeck	BBHA9120D	9120D-725	RE	2012/08/20 * 12
SOS-01	Humidity Indicator	A&D	AD-5681	4062555	RE	2013/02/27 * 12
SSA-02	Spectrum Analyzer	Agilent	E4448A	MY48250106	RE	2013/03/28 * 12
SJM-08	Measure	PROMART	SEN1935	-	RE	-
SHA-05	Horn Antenna	ETS LINDGREN	3160-09	LM4210	RE	2013/03/14 * 12
SAF-09	Pre Amplifier	TOYO Corporation	HAP18-26W	00000018	RE	2013/03/19 * 12
SCC-G18	Coaxial Cable	Suhner	SUCOFLEX 104A	46292/4A	RE	2013/03/16 * 12
SHA-06	Horn Antenna	ETS LINDGREN	3160-10	LM3459	RE	2013/03/14 * 12
SAF-10	Pre Amplifier	TOYO Corporation	HAP26-40W	00000010	RE	2013/03/19 * 12
SCC-G19	Coaxial Cable	Suhner	SUCOFLEX 102A	1188/2A	RE	2013/03/16 * 12

The expiration date of the calibration is the end of the expired month .
As for some calibrations performed after the tested dates , those test equipment have been controlled by means of an unbroken chains of calibrations .

All equipment is calibrated with valid calibrations . Each measurement data is traceable to the national or international standards .

Test Item :

RE: Radiated emission ,

AT: Antenna terminal disturbance voltage

APPENDIX 2

Test Instruments

EMI test equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
SAF-02	Pre Amplifier	SONOMA	310N	290212	RE	2013/02/12 * 12
SAT6-02	Attenuator	JFW	50HF-006N	-	RE	2013/02/12 * 12
KAT3-11	Attenuator	JFW IND. INC.	50HF-003N	-	RE	2012/08/07 * 12
SBA-02	Biconical Antenna	Schwarzbeck	BBA9106	91032665	RE	2012/11/18 * 12
SCC-B1/B3/B5/B7/B8/B13/SRSE-02	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/141PE/NS4906	-/0901-270(RF Selector)	RE	2013/04/03 * 12
SCC-B2/B4/B6/B7/B8/B13/SRSE-02	Coaxial Cable&RF Selector	Fujikura/Fujikura/Suhner/Suhner/Suhner/TOYO	8D2W/12DSFA/141PE/141PE/141PE/141PE/NS4906	-/0901-270(RF Selector)	RE	2013/04/03 * 12
SLA-02	Logperiodic Antenna	Schwarzbeck	UHALP9108A	UHALP9108-A 0893	RE	2012/11/18 * 12
SOS-03	Humidity Indicator	A&D	AD-5681	4063325	RE	2013/02/27 * 12
STR-02	Test Receiver	Rohde & Schwarz	ESCI	100575	RE	2012/09/03 * 12
SJM-02	Measure	KOMELON	KMC-36	-	RE	-
SAEC-02(NSA)	Semi-Anechoic Chamber	TDK	SAEC-02(NSA)	2	RE	2012/09/21 * 12
COTS-SEMI-1	EMI Software	TSJ	TEPTO-DV(RE,CE,RFLMF)	-	RE	-
SCC-B12/B13/SRSE-02	Coaxial Cable&RF Selector	Suhner/Suhner/TOYO	RG223U/141PE/NS4906	-/0901-270(RF Selector)	CE	2013/04/03 * 12
SLS-03	LISN	Rohde & Schwarz	ENV216	100513	CE	2013/02/22 * 12
SAT3-05	Attenuator	JFW	50HF-003N	-	CE	2013/02/12 * 12
SOS-04	Humidity Indicator	A&D	AD-5681	4061512	CE	2013/03/07 * 12
STM-03	Terminator	TME	CT-01 BP	-	CE	2013/01/16 * 12
STR-02	Test Receiver	Rohde & Schwarz	ESCI	100575	CE	2012/09/03 * 12
SJM-02	Measure	KOMELON	KMC-36	-	CE	-
COTS-SEMI-1	EMI Software	TSJ	TEPTO-DV(RE,CE,RFLMF)	-	CE	-

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

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

All equipment is calibrated with valid calibrations . Each measurement data is traceable to the national or international standards .

Test Item :

- CE: Conducted emission ,
- RE: Radiated emission