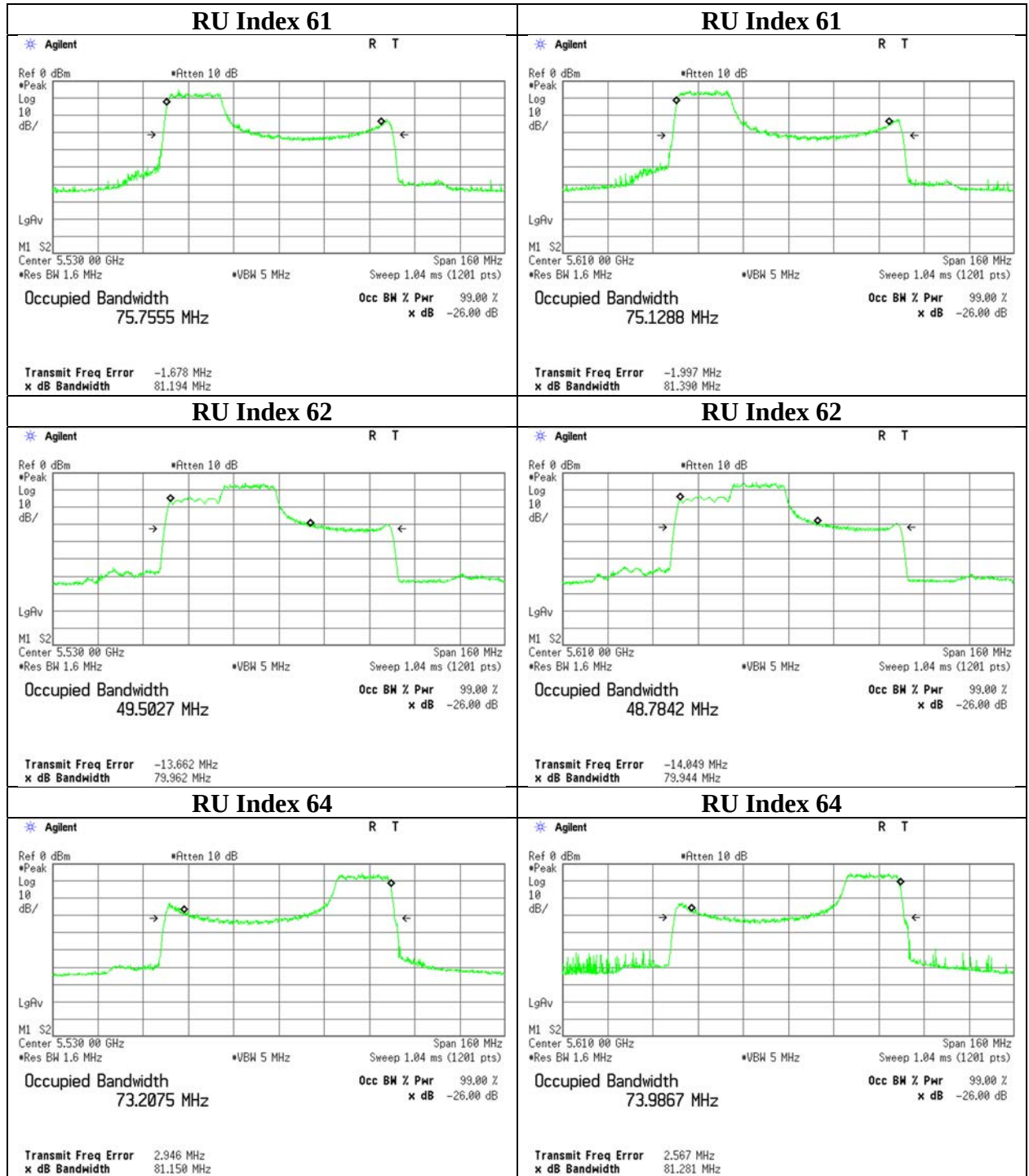


99 % Occupied Bandwidth

11ax-80 (OFDMA)

242-tone RU 5530 MHz

242-tone RU 5610 MHz

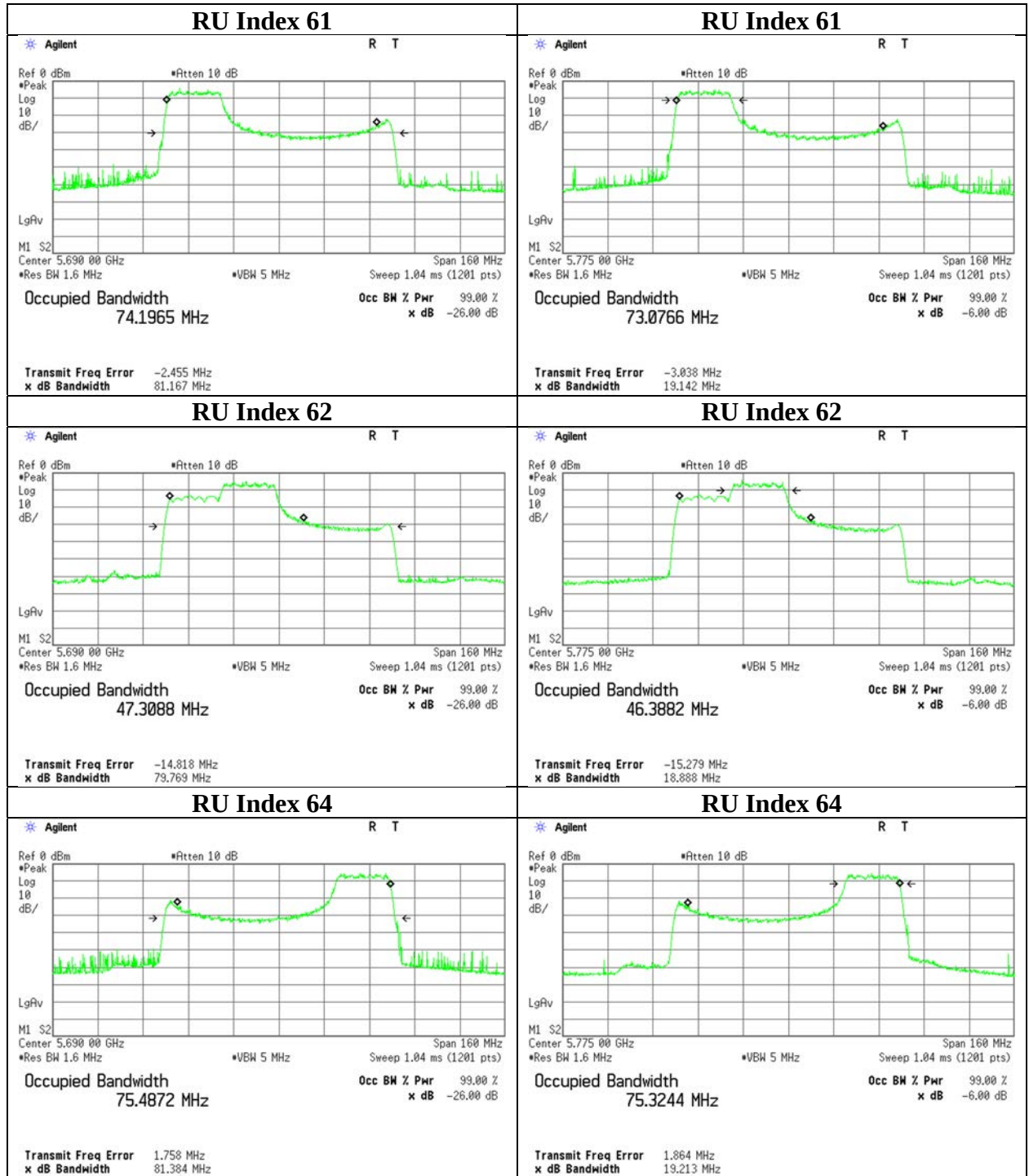


99 % Occupied Bandwidth

11ax-80 (OFDMA)

242-tone RU 5690 MHz

242-tone RU 5775 MHz

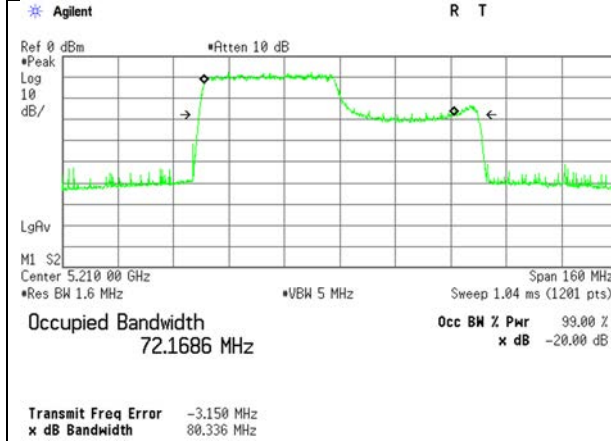


99 % Occupied Bandwidth

11ax-80 (OFDMA)

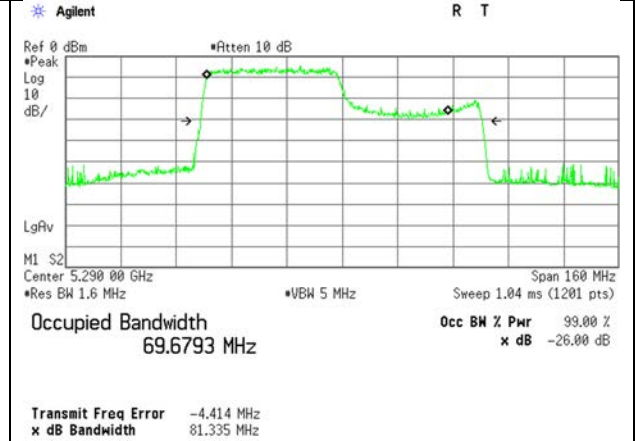
484-tone RU 5210 MHz

RU Index 65

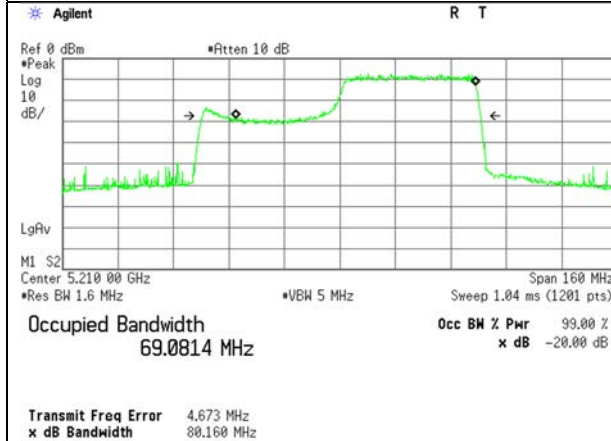


484-tone RU 5290 MHz

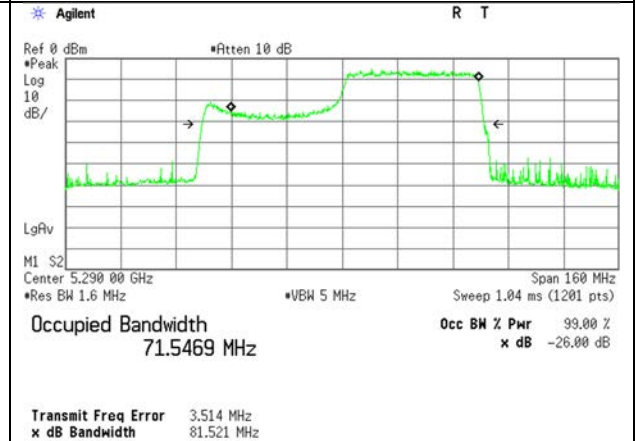
RU Index 65



RU Index 66



RU Index 66

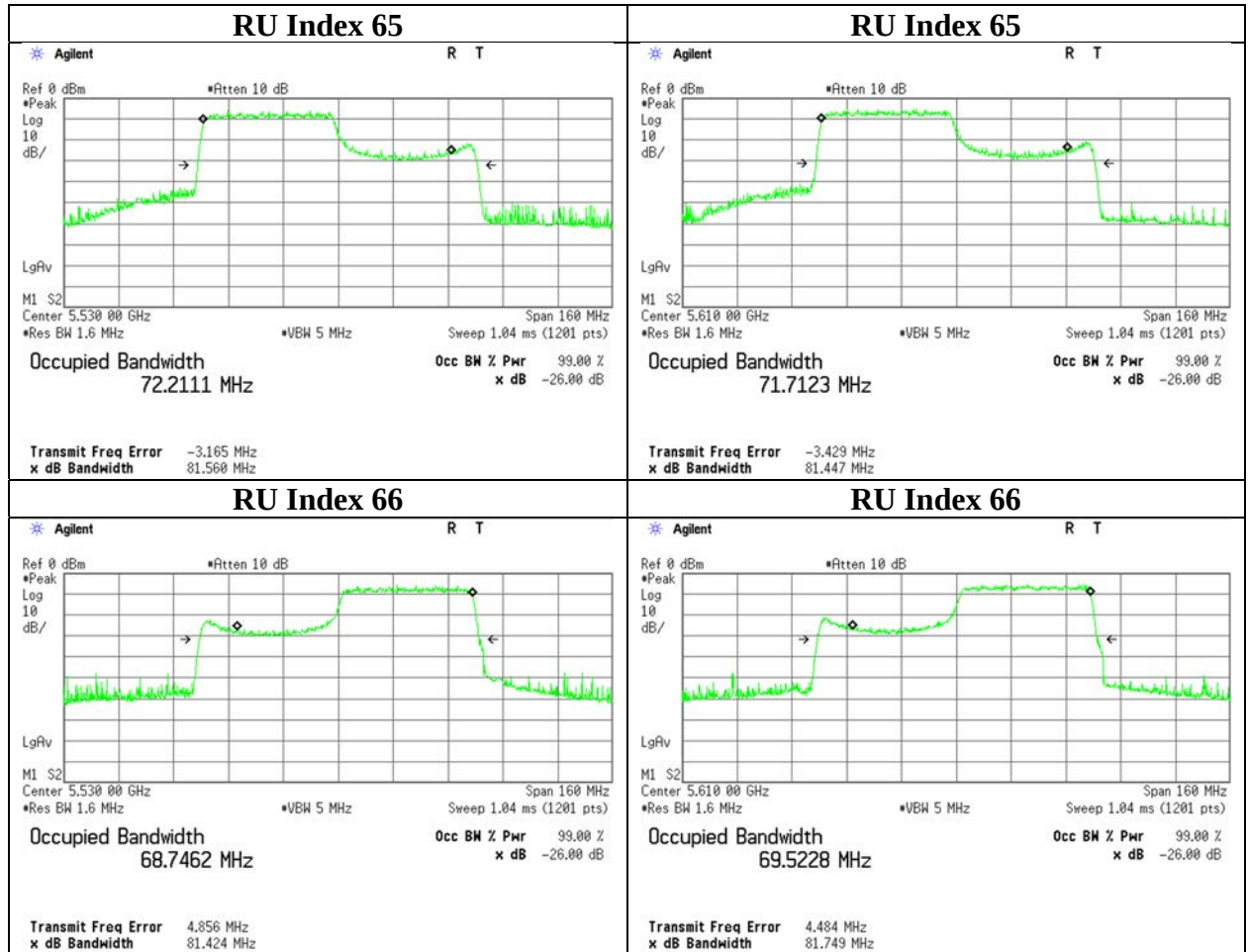


99 % Occupied Bandwidth

11ax-80 (OFDMA)

484-tone RU 5530 MHz

484-tone RU 5610 MHz

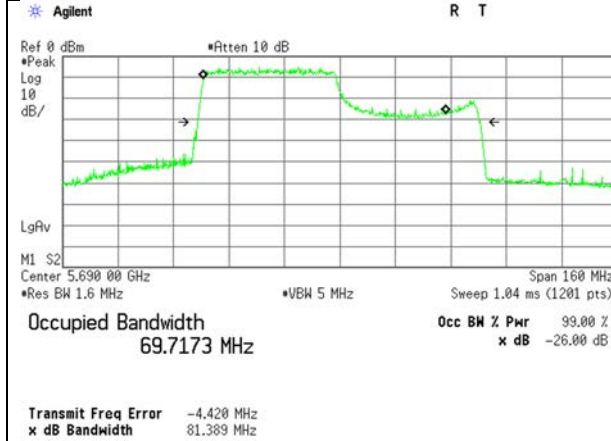


99 % Occupied Bandwidth

11ax-80 (OFDMA)

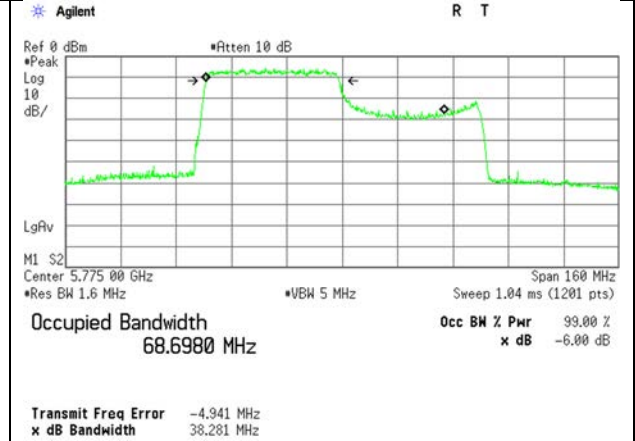
484-tone RU 5690 MHz

RU Index 65

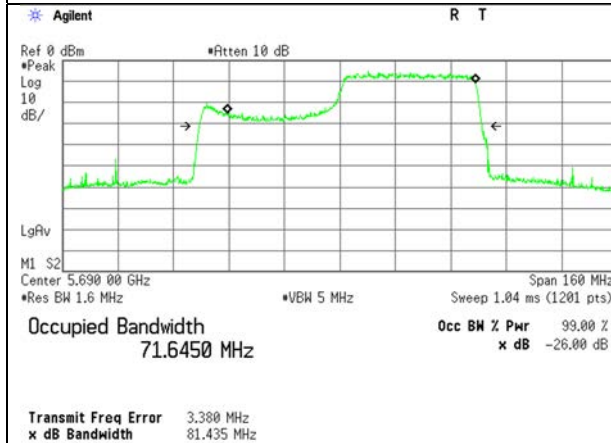


484-tone RU 5775 MHz

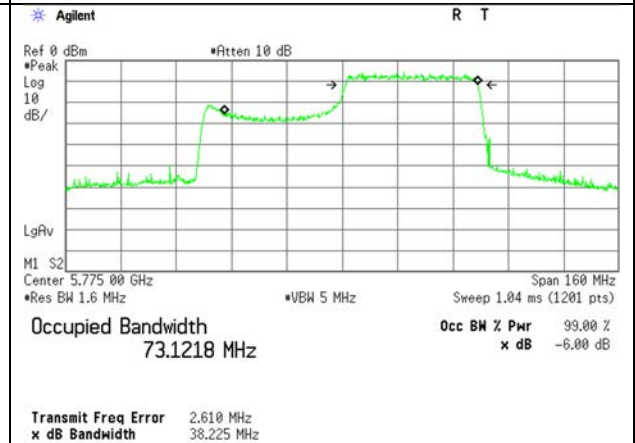
RU Index 65



RU Index 66

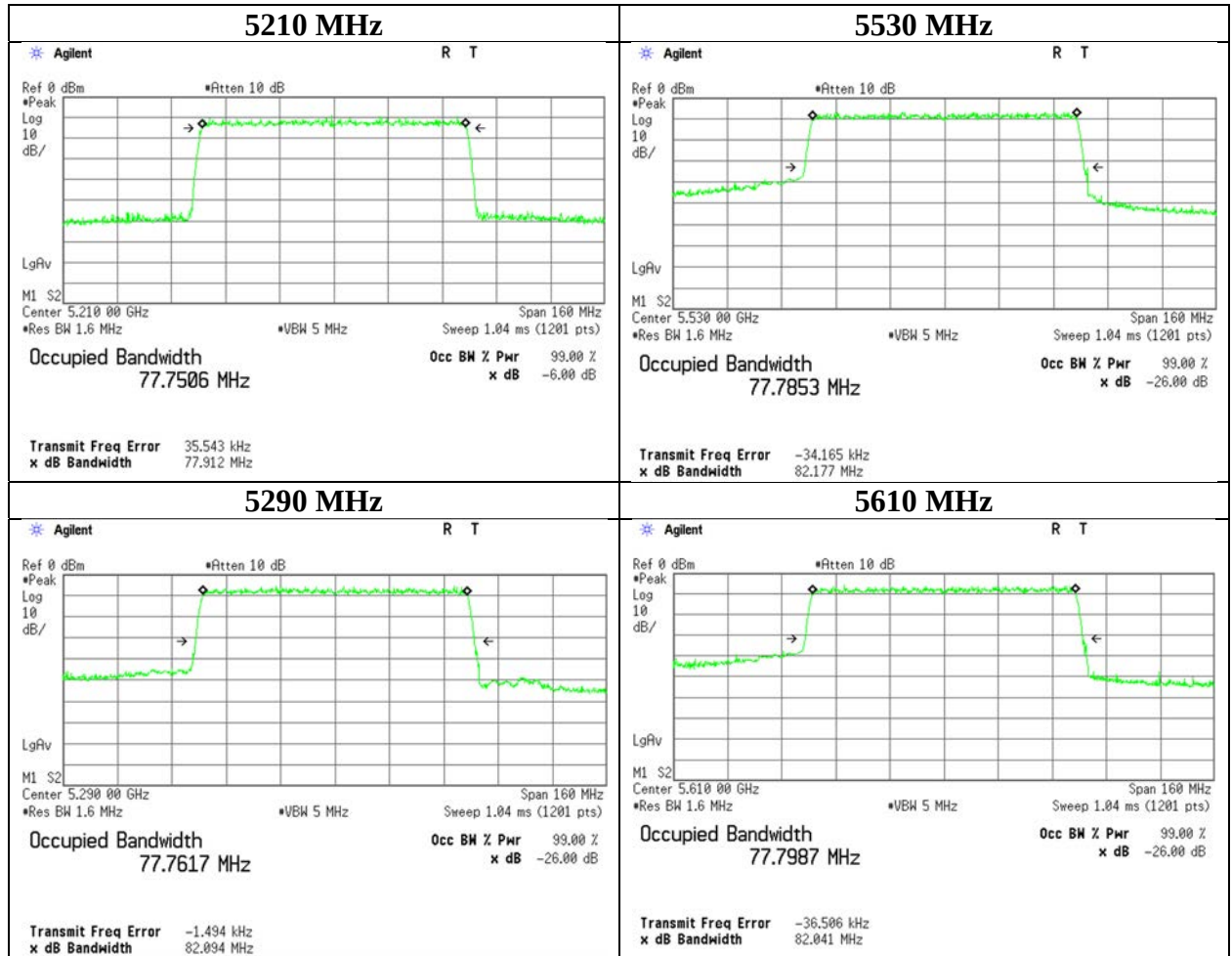


RU Index 66



99 % Occupied Bandwidth

**11ax-80 (OFDMA)
996-tone RU**



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Ise EMC Lab.

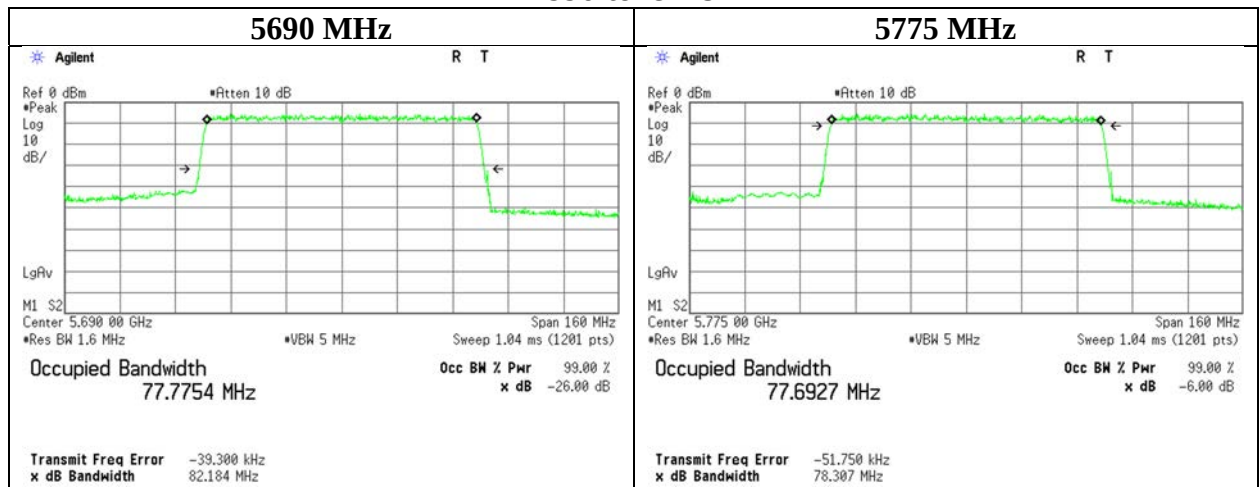
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

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Facsimile : +81 596 24 8124

99 % Occupied Bandwidth

**11ax-80 (OFDMA)
996-tone RU**



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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

6 dB Bandwidth

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 22, 2021
Temperature / Humidity 23 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx

11a

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	5745	16.389	> 0.500
	5785	16.401	> 0.500
	5825	16.382	> 0.500

11n-20

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	5745	17.555	> 0.500
	5785	17.509	> 0.500
	5825	17.571	> 0.500

11ac-20

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	5745	17.574	> 0.500
	5785	17.604	> 0.500
	5825	17.336	> 0.500

11ax-20 (OFDM)

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	5745	17.857	> 0.500
	5785	18.091	> 0.500
	5825	18.350	> 0.500

6 dB Bandwidth

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 1, 2021
Temperature / Humidity 21 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx

11ax-20 (OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	26-tone RU	5745	0	1.977	> 0.500
			4	2.642	> 0.500
			8	1.991	> 0.500
		5785	0	1.983	> 0.500
			4	2.648	> 0.500
			8	2.000	> 0.500
		5825	0	1.995	> 0.500
			4	2.648	> 0.500
			8	1.990	> 0.500
	52-tone RU	5745	37	3.962	> 0.500
			38	4.065	> 0.500
			40	3.953	> 0.500
		5785	37	3.935	> 0.500
			38	4.101	> 0.500
			40	3.996	> 0.500
		5825	37	3.964	> 0.500
			38	4.204	> 0.500
			40	3.986	> 0.500
	106-tone RU	5745	53	8.159	> 0.500
			54	8.105	> 0.500
		5785	53	8.185	> 0.500
			54	8.272	> 0.500
		5825	53	8.203	> 0.500
			54	8.304	> 0.500
	242-tone RU	5745	61	18.237	> 0.500
		5785	61	18.230	> 0.500
		5825	61	18.519	> 0.500

6 dB Bandwidth

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 23, 2021
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Junya Okuno
Mode Tx

11n-40

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	5755	35.226	> 0.500
	5795	35.684	> 0.500

11ac-40

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	5755	35.411	> 0.500
	5795	35.589	> 0.500

11ax-40 (OFDM)

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	5755	36.155	> 0.500
	5795	35.919	> 0.500

6 dB Bandwidth

Report No.	13671144H
Test place	Ise EMC Lab. No.8 Measurement Room
Date	February 4, 2021
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Hiroyuki Furutaka
Mode	Tx

11ax-40 (OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	26-tone RU	5755	0	2.042	> 0.500
			8	2.055	> 0.500
			17	2.042	> 0.500
		5795	0	2.034	> 0.500
			8	2.065	> 0.500
			17	2.047	> 0.500
	52-tone RU	5755	37	3.972	> 0.500
			40	4.076	> 0.500
			44	3.907	> 0.500
		5795	37	3.896	> 0.500
			40	4.098	> 0.500
			44	4.027	> 0.500
	106-tone RU	5755	53	8.226	> 0.500
			54	8.522	> 0.500
			56	8.087	> 0.500
		5795	53	8.247	> 0.500
			54	8.527	> 0.500
			56	8.136	> 0.500
	242-tone RU	5755	61	18.242	> 0.500
			62	18.286	> 0.500
		5795	61	18.323	> 0.500
			62	18.464	> 0.500
	484-tone RU	5755	65	37.203	> 0.500
		5795	65	36.779	> 0.500

6 dB Bandwidth

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 23, 2021
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Junya Okuno
Mode Tx

11ac-80

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	5775	76.433	> 0.500

11ax-80 (OFDM)

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	5775	77.907	> 0.500

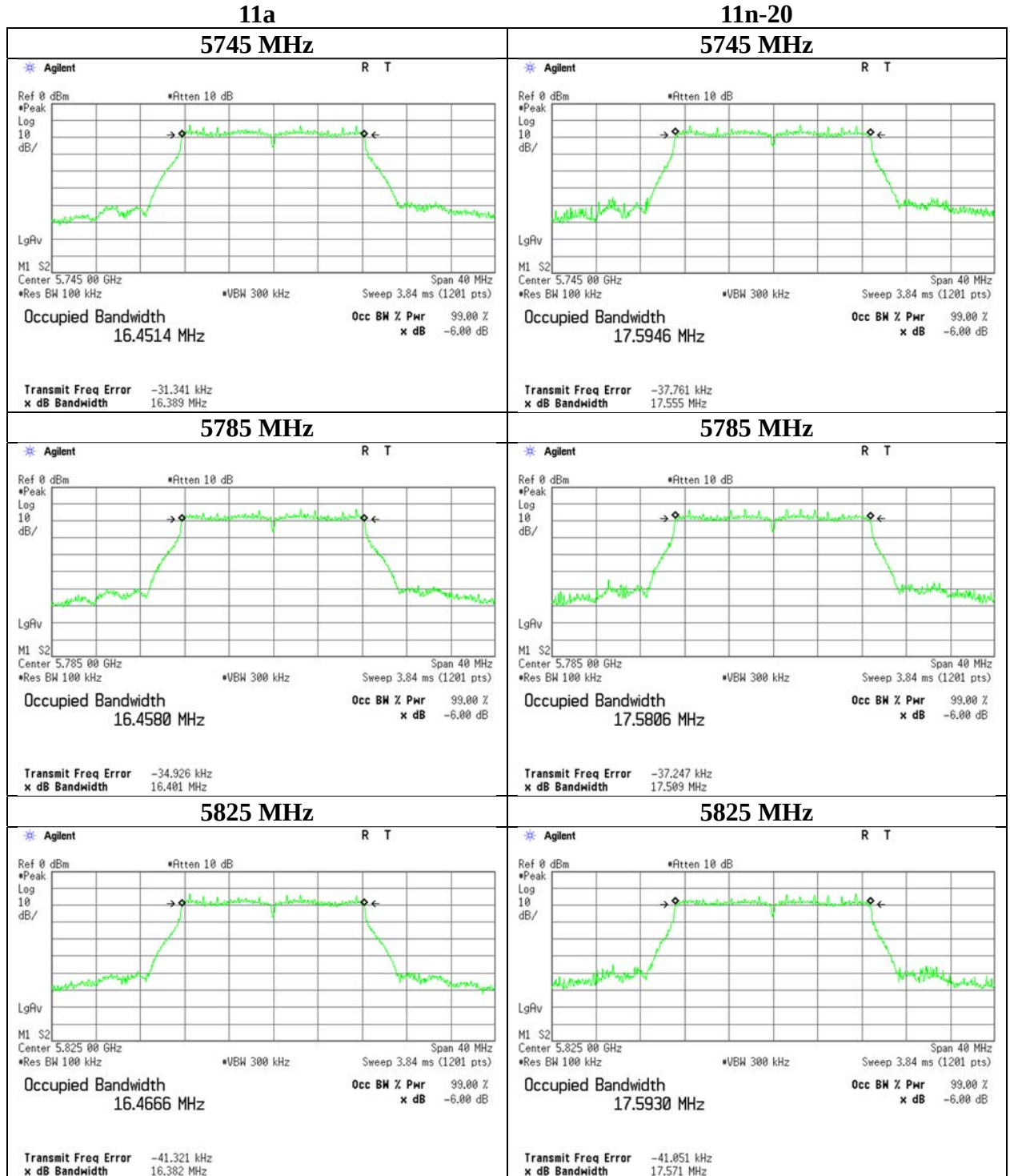
6 dB Bandwidth

Report No.	13671144H
Test place	Ise EMC Lab. No.8 Measurement Room
Date	February 5, 2021
Temperature / Humidity	20 deg. C / 41 % RH
Engineer	Hiroyuki Furutaka
Mode	Tx

11ax-80 (OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
Antenna 3	26-tone RU	5775	0	2.018	> 0.500
			18	2.686	> 0.500
			36	2.069	> 0.500
	52-tone RU	5775	37	4.120	> 0.500
			44	4.129	> 0.500
			52	4.115	> 0.500
	106-tone RU	5775	53	8.276	> 0.500
			56	8.292	> 0.500
			60	8.257	> 0.500
	242-tone RU	5775	61	18.720	> 0.500
			62	18.916	> 0.500
			64	18.836	> 0.500
	484-tone RU	5775	65	37.817	> 0.500
			66	37.754	> 0.500
	996-tone RU	5775	67	78.146	> 0.500

6 dB Bandwidth



UL Japan, Inc.

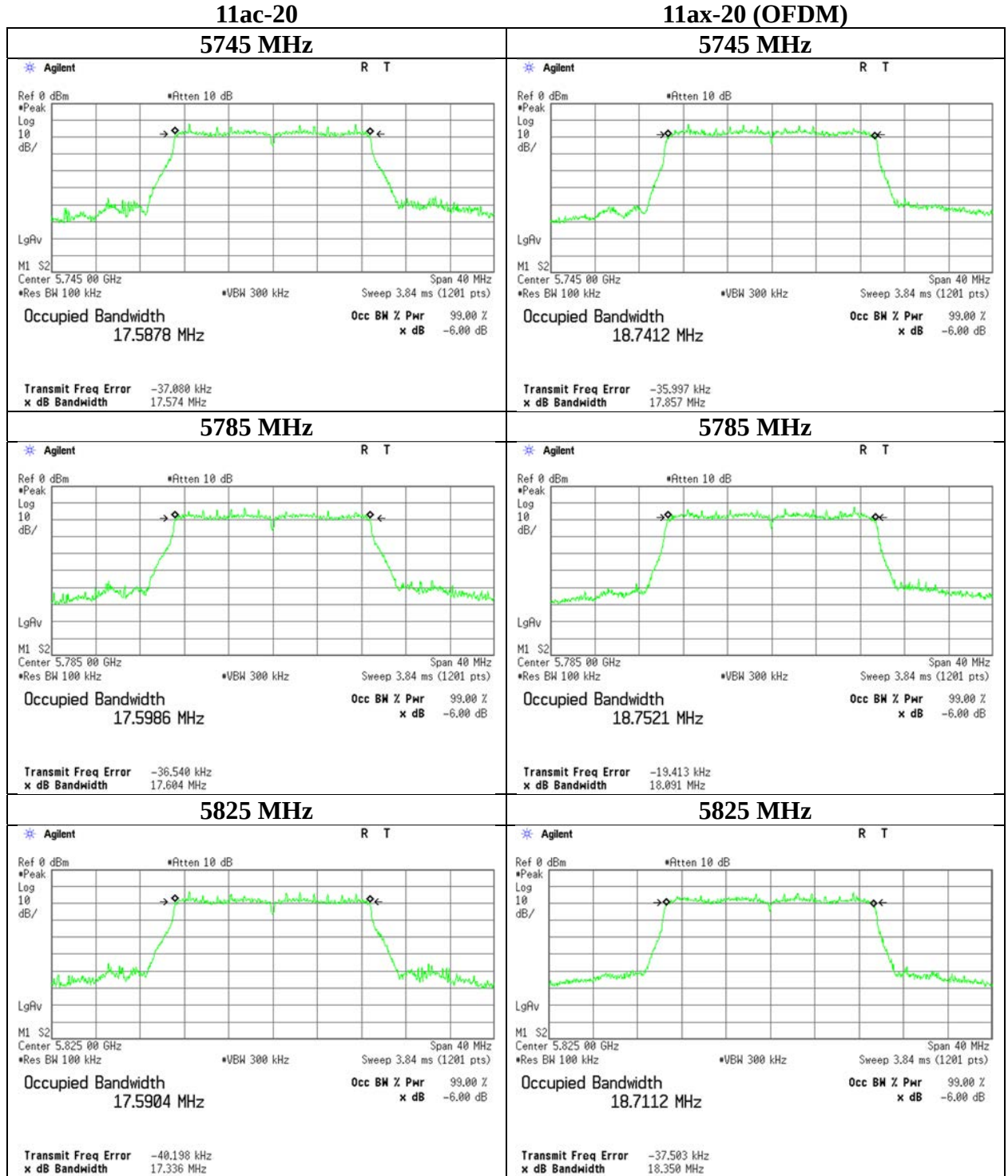
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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

6 dB Bandwidth

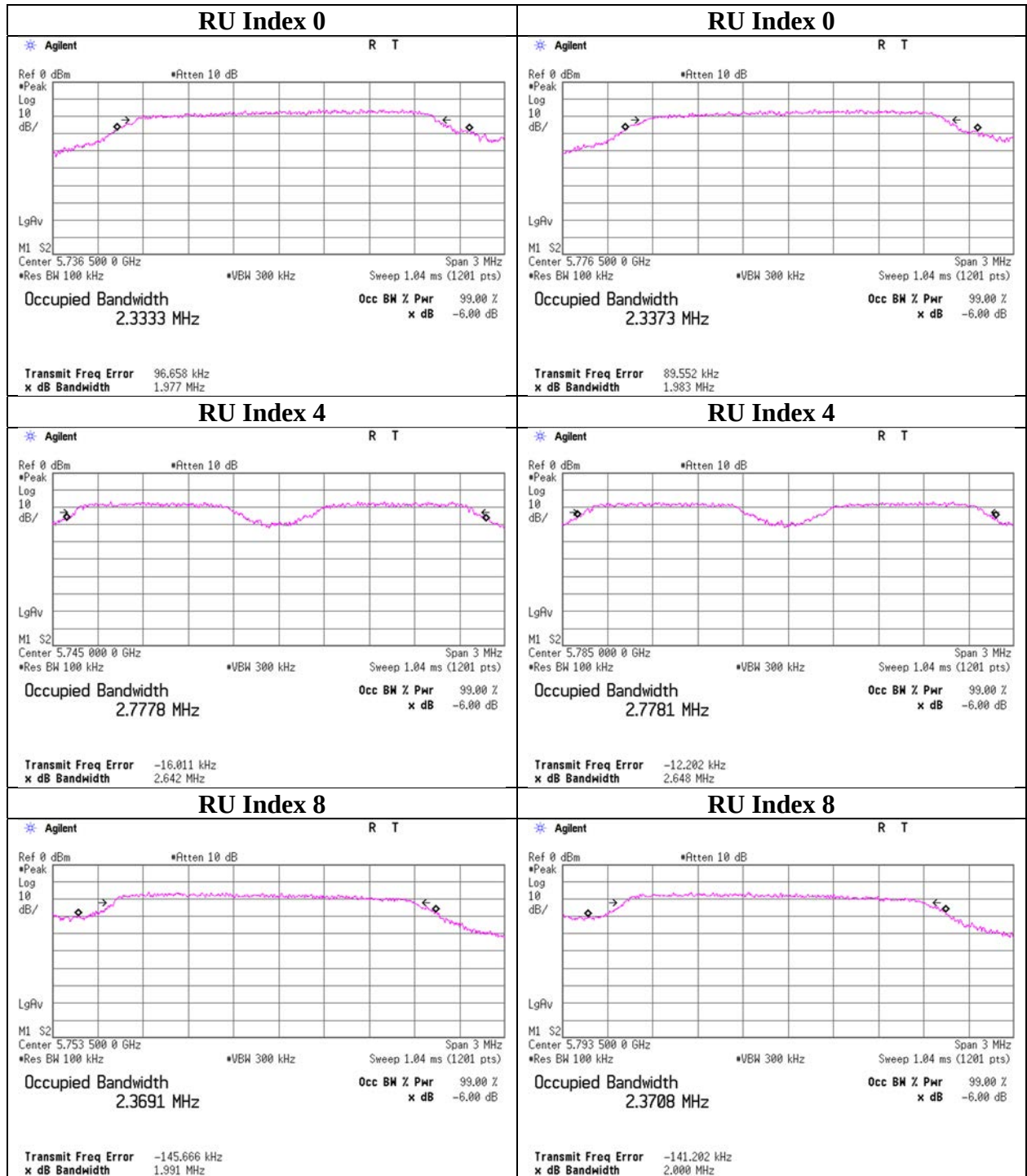


6 dB Bandwidth

11ax-20 (OFDMA)

26-tone RU 5745 MHz

26-tone RU 5785 MHz

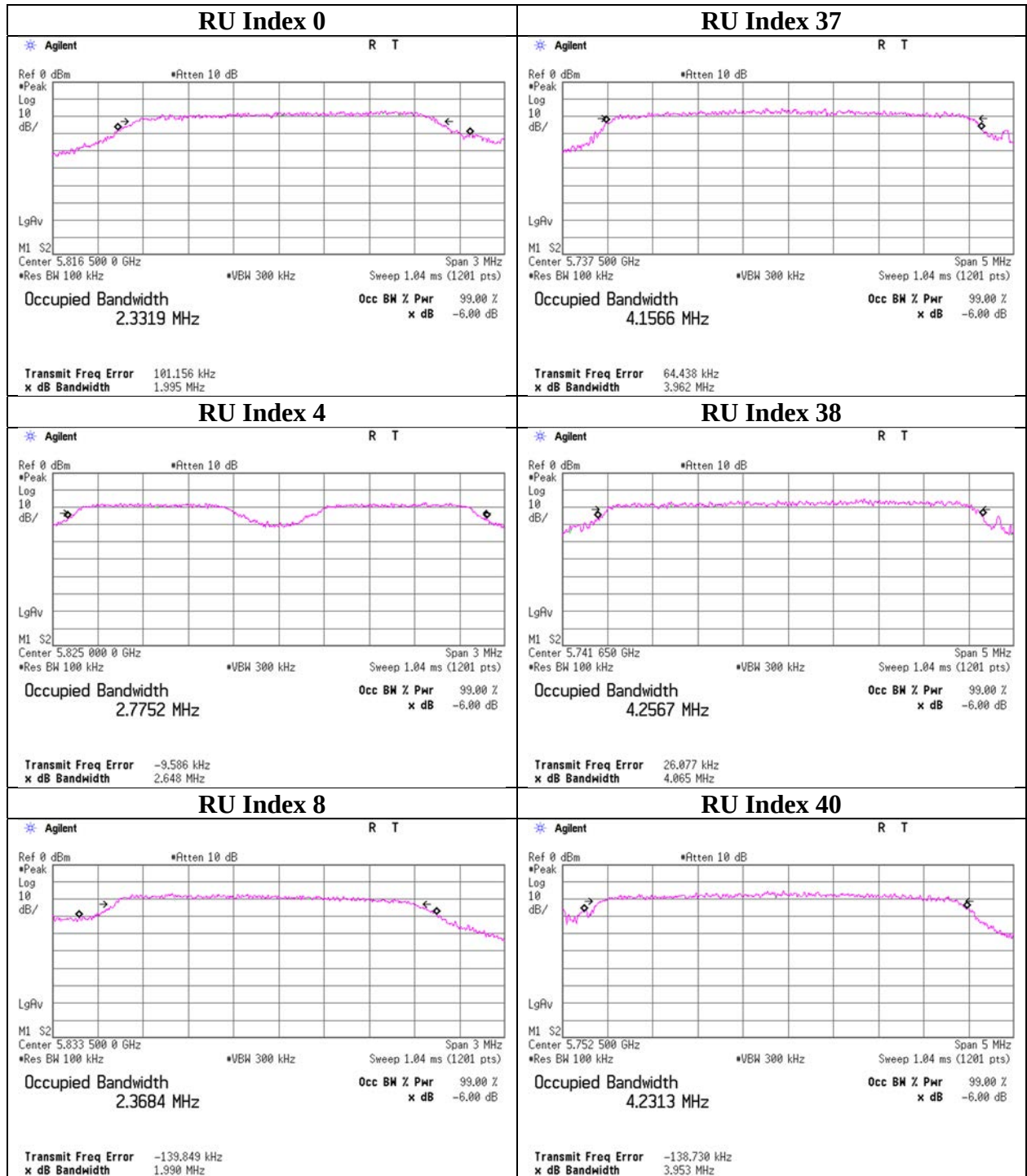


6 dB Bandwidth

11ax-20 (OFDMA)

26-tone RU 5825 MHz

52-tone RU 5745 MHz

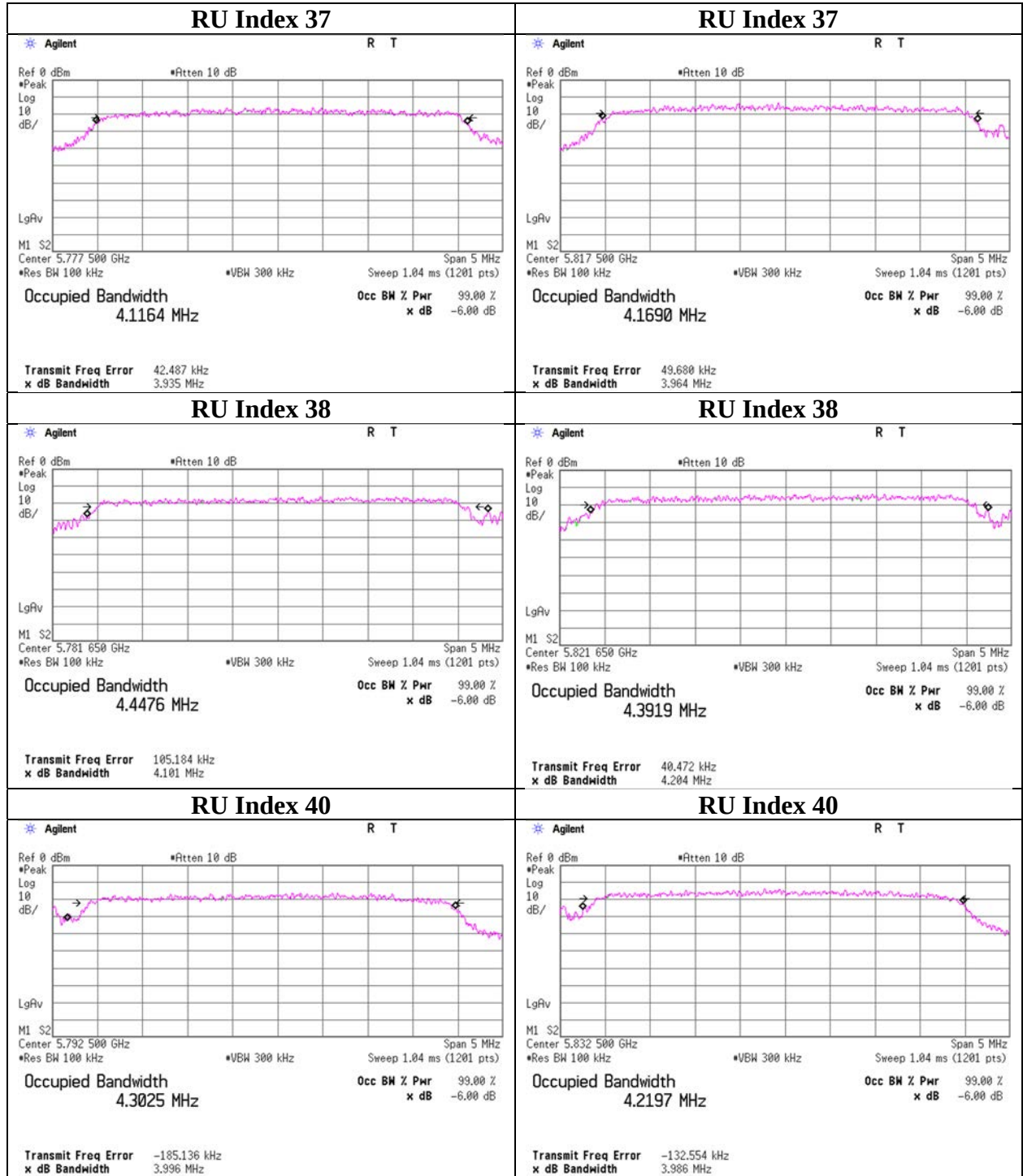


6 dB Bandwidth

11ax-20 (OFDMA)

52-tone RU 5785 MHz

52-tone RU 5825 MHz



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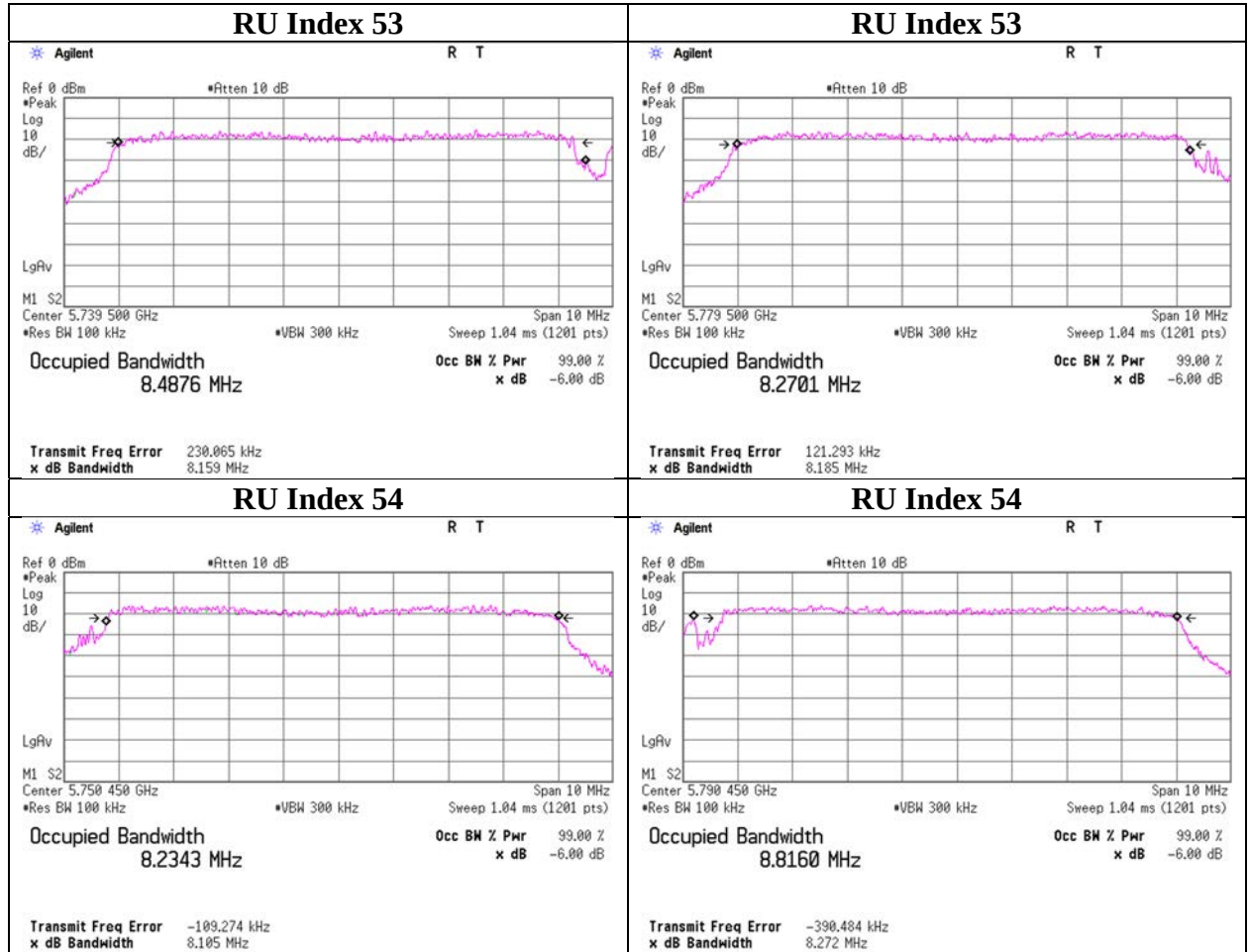
Facsimile : +81 596 24 8124

6 dB Bandwidth

11ax-20 (OFDMA)

106-tone RU 5745 MHz

106-tone RU 5785 MHz



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Ise EMC Lab.

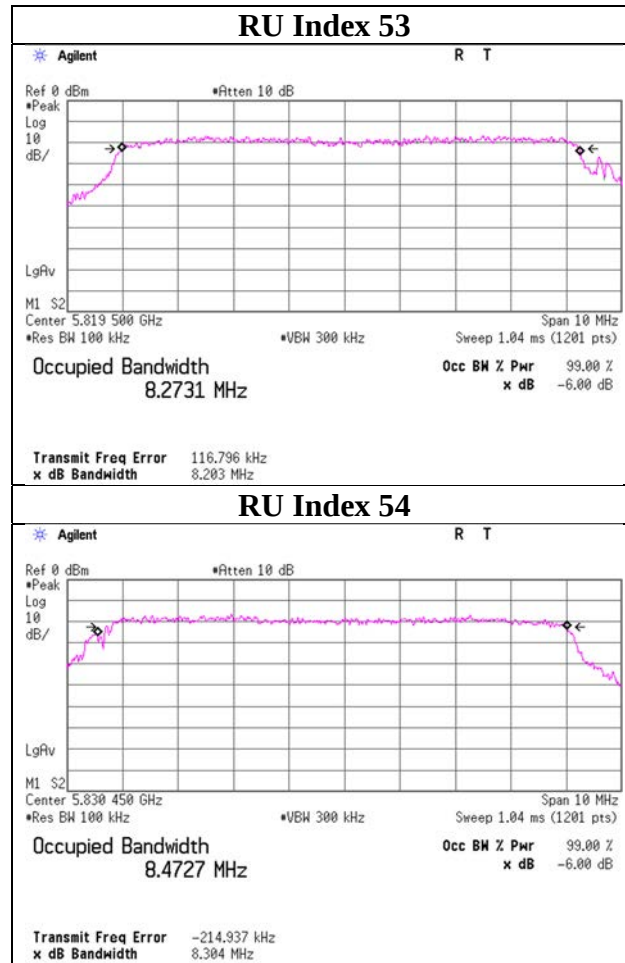
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Telephone : +81 596 24 8999

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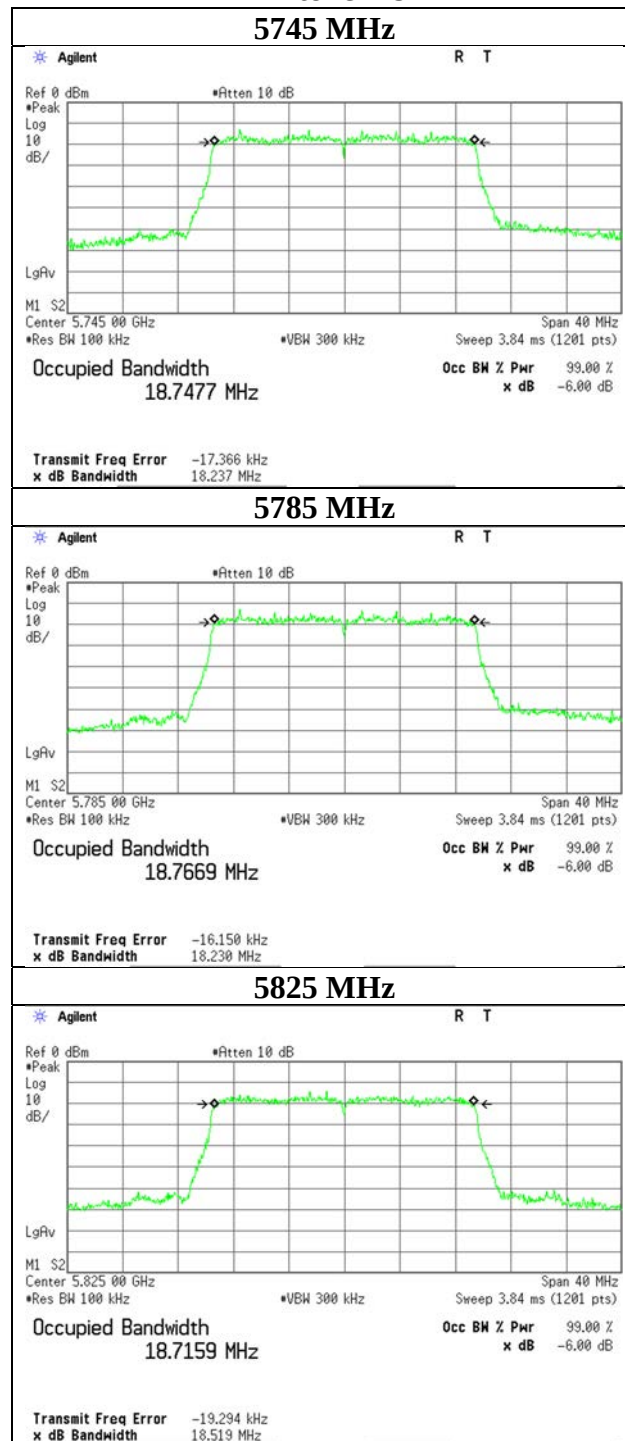
6 dB Bandwidth

11ax-20 (OFDMA) 106-tone RU 5825 MHz



6 dB Bandwidth

11ax-20 (OFDMA) 242-tone RU



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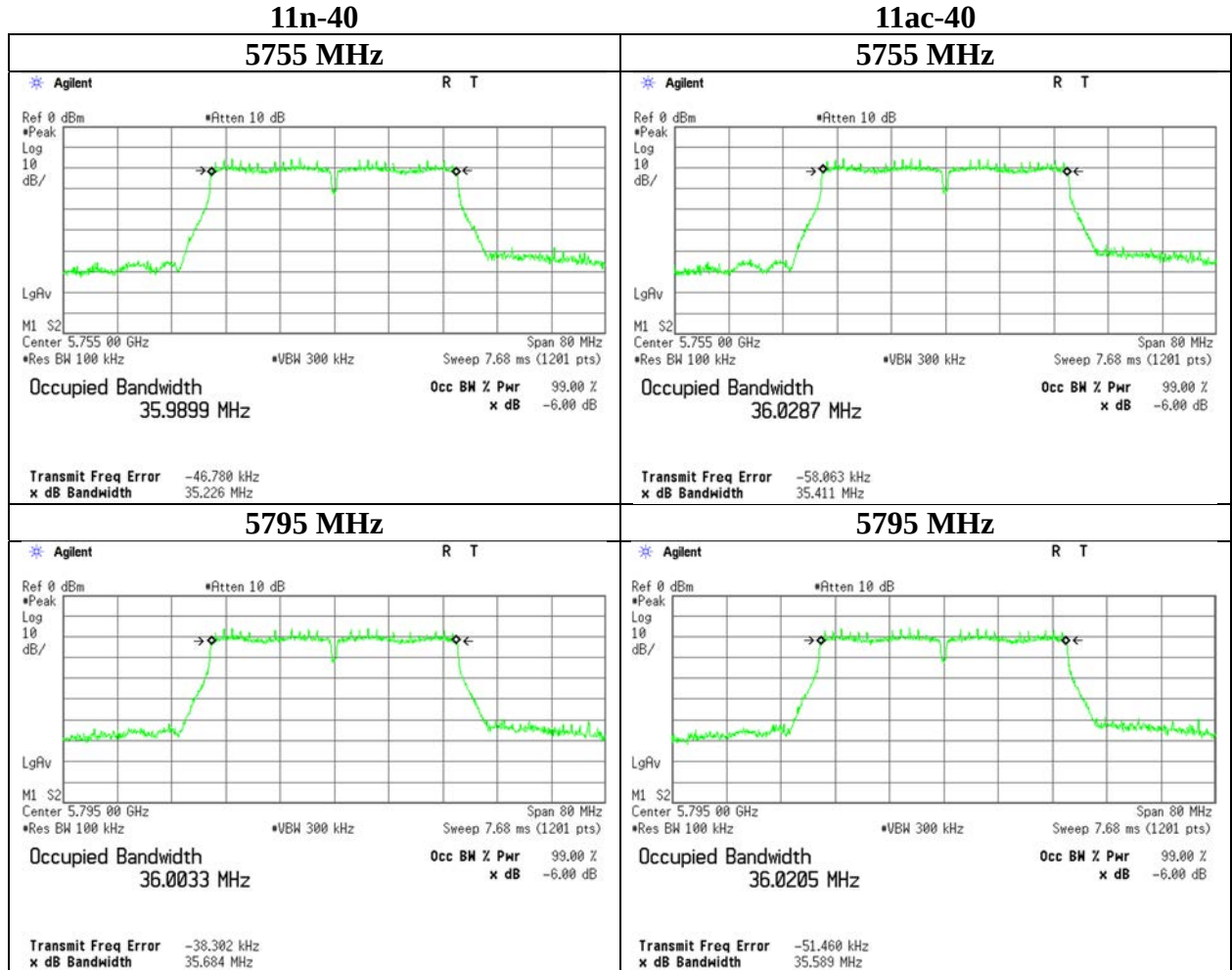
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Facsimile : +81 596 24 8124

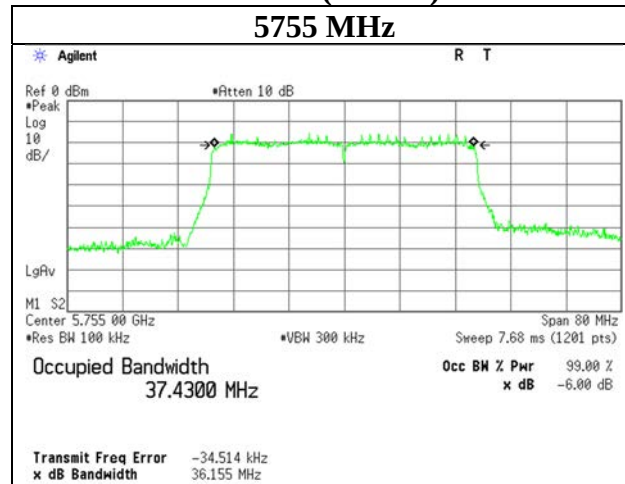
6 dB Bandwidth



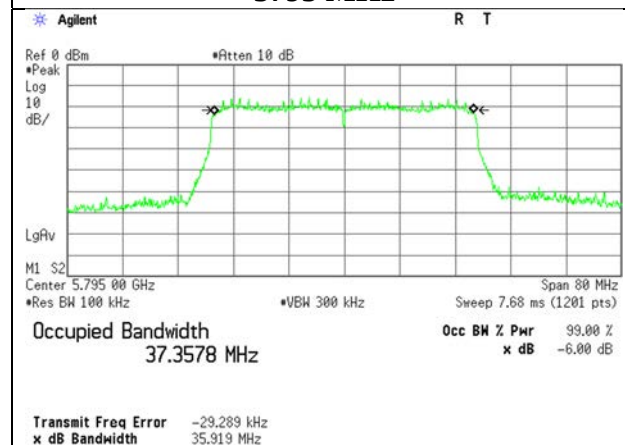
6 dB Bandwidth

11ax-40 (OFDM)

5755 MHz



5795 MHz

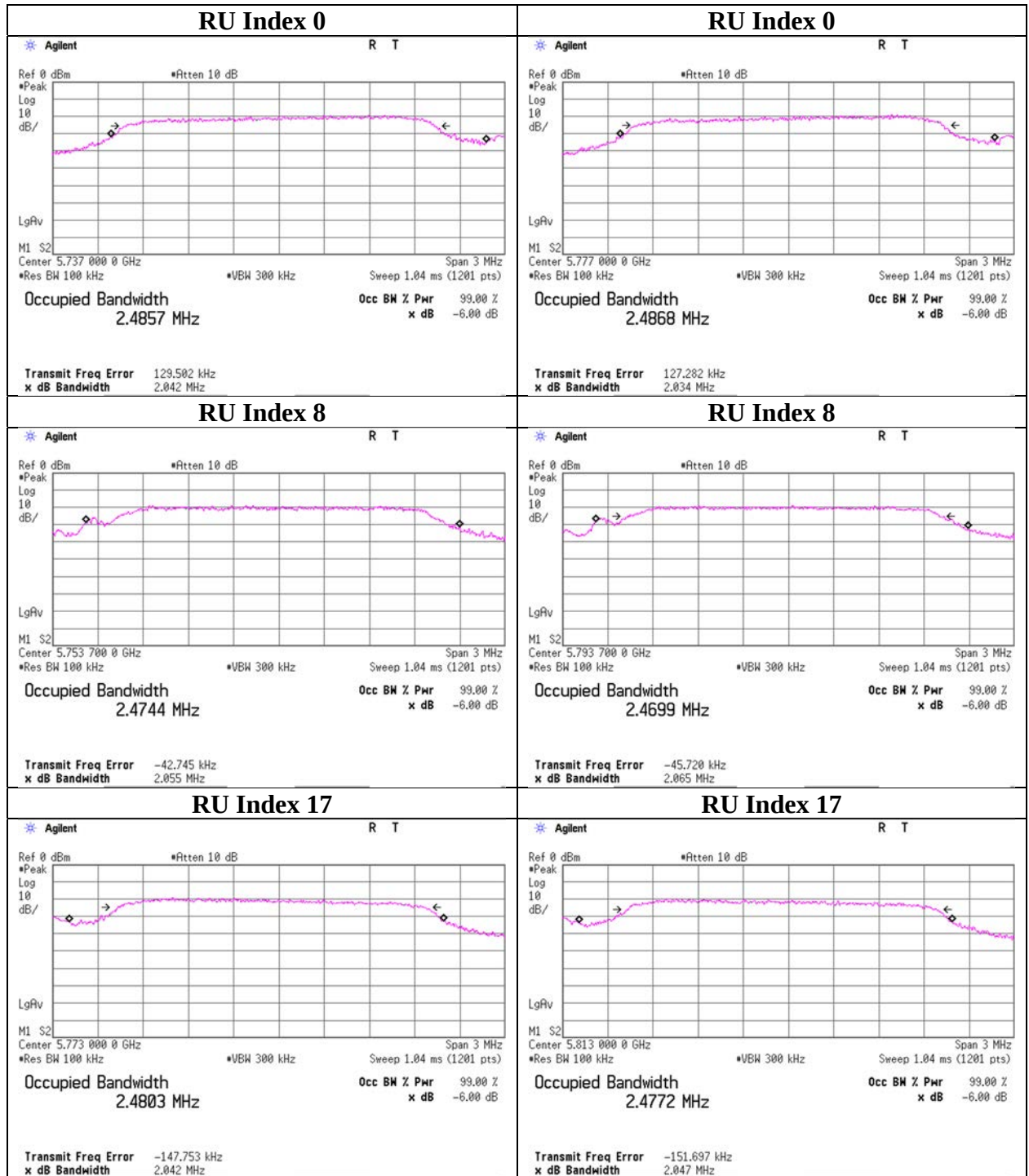


6 dB Bandwidth

11ax-40 (OFDMA)

26-tone RU 5755 MHz

26-tone RU 5795 MHz



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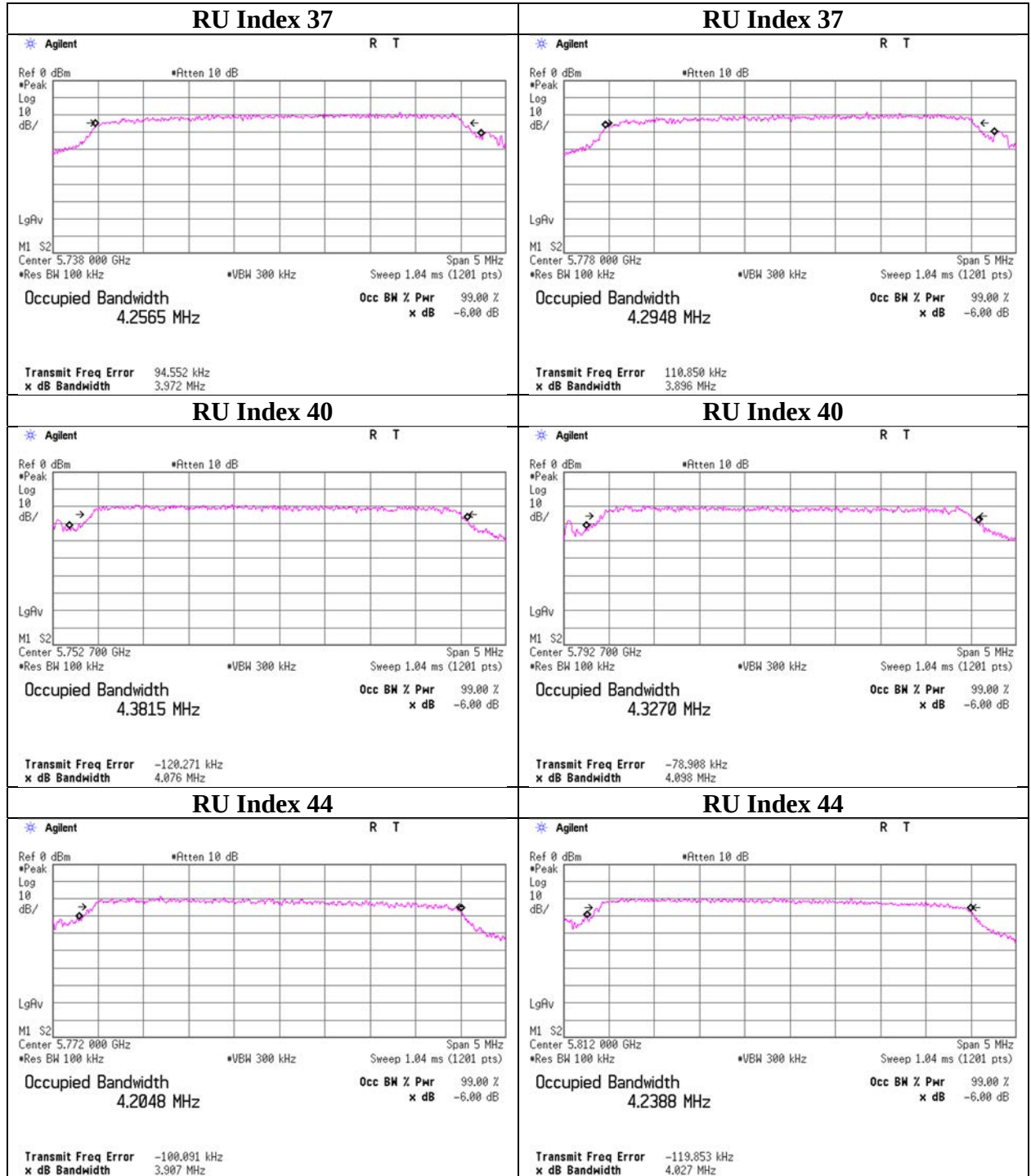
Facsimile : +81 596 24 8124

6 dB Bandwidth

11ax-40 (OFDMA)

52-tone RU 5755 MHz

52-tone RU 5795 MHz

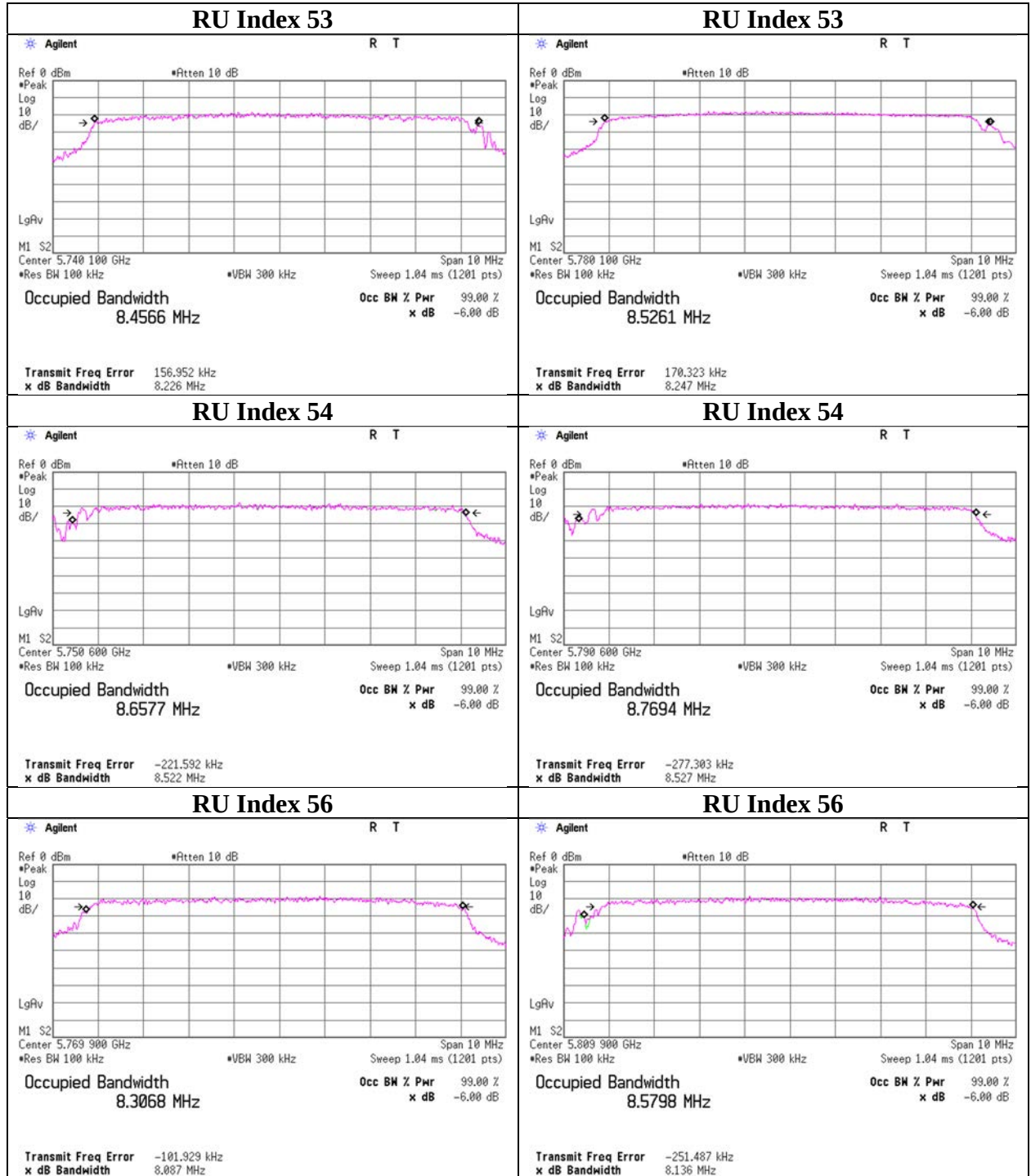


6 dB Bandwidth

11ax-40 (OFDMA)

106-tone RU 5755 MHz

106-tone RU 5795 MHz



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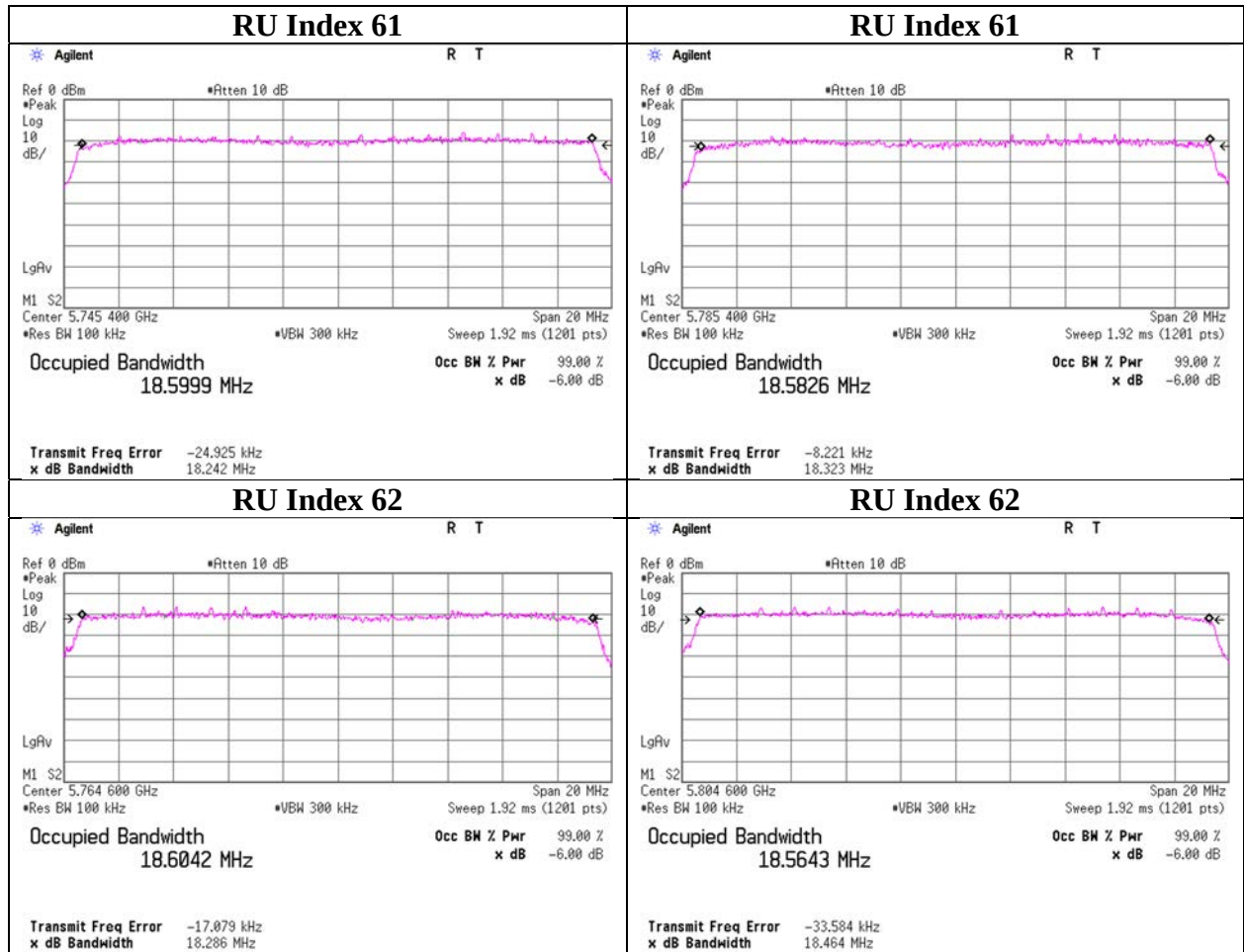
Facsimile : +81 596 24 8124

6 dB Bandwidth

11ax-40 (OFDMA)

242-tone RU 5755 MHz

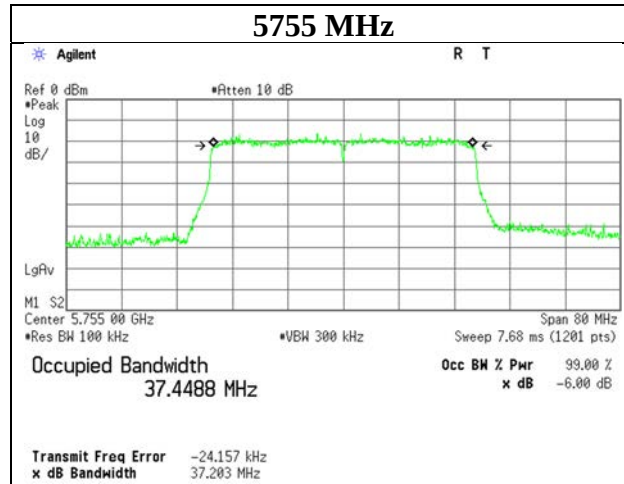
242-tone RU 5795 MHz



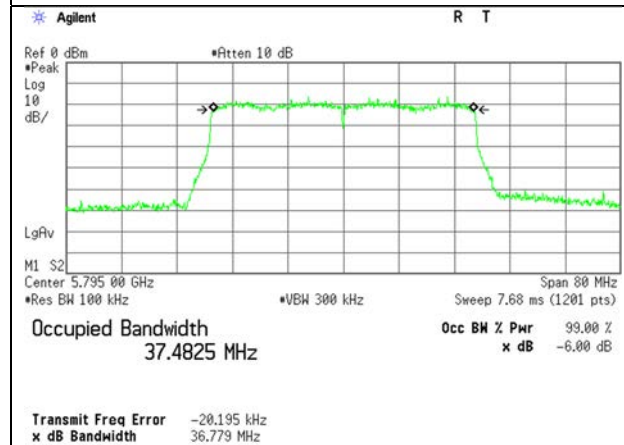
6 dB Bandwidth

11ax-40 (OFDMA) 484-tone RU

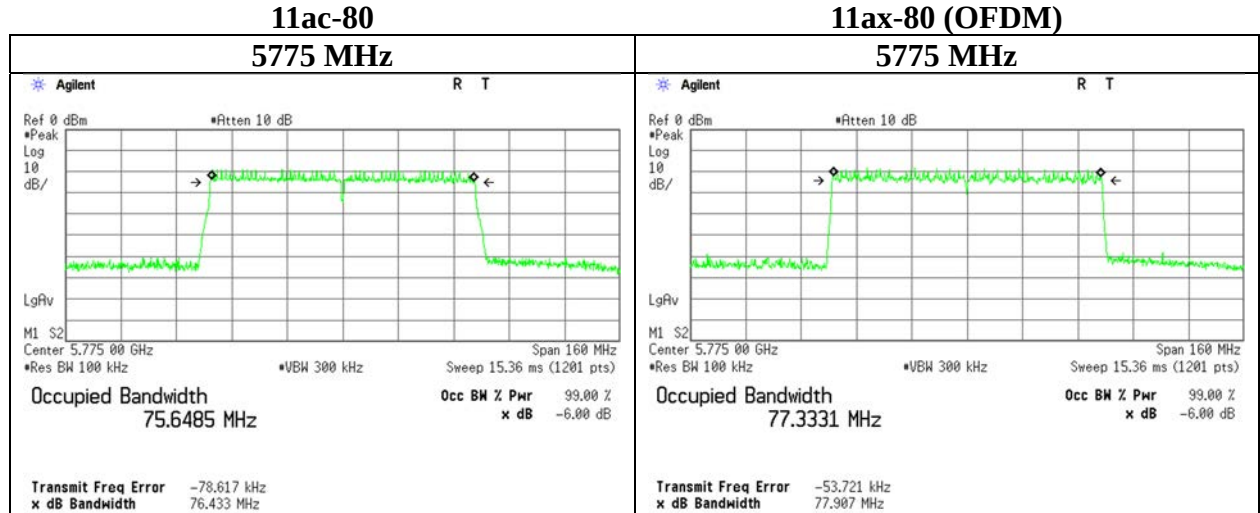
5755 MHz



5795 MHz



6 dB Bandwidth



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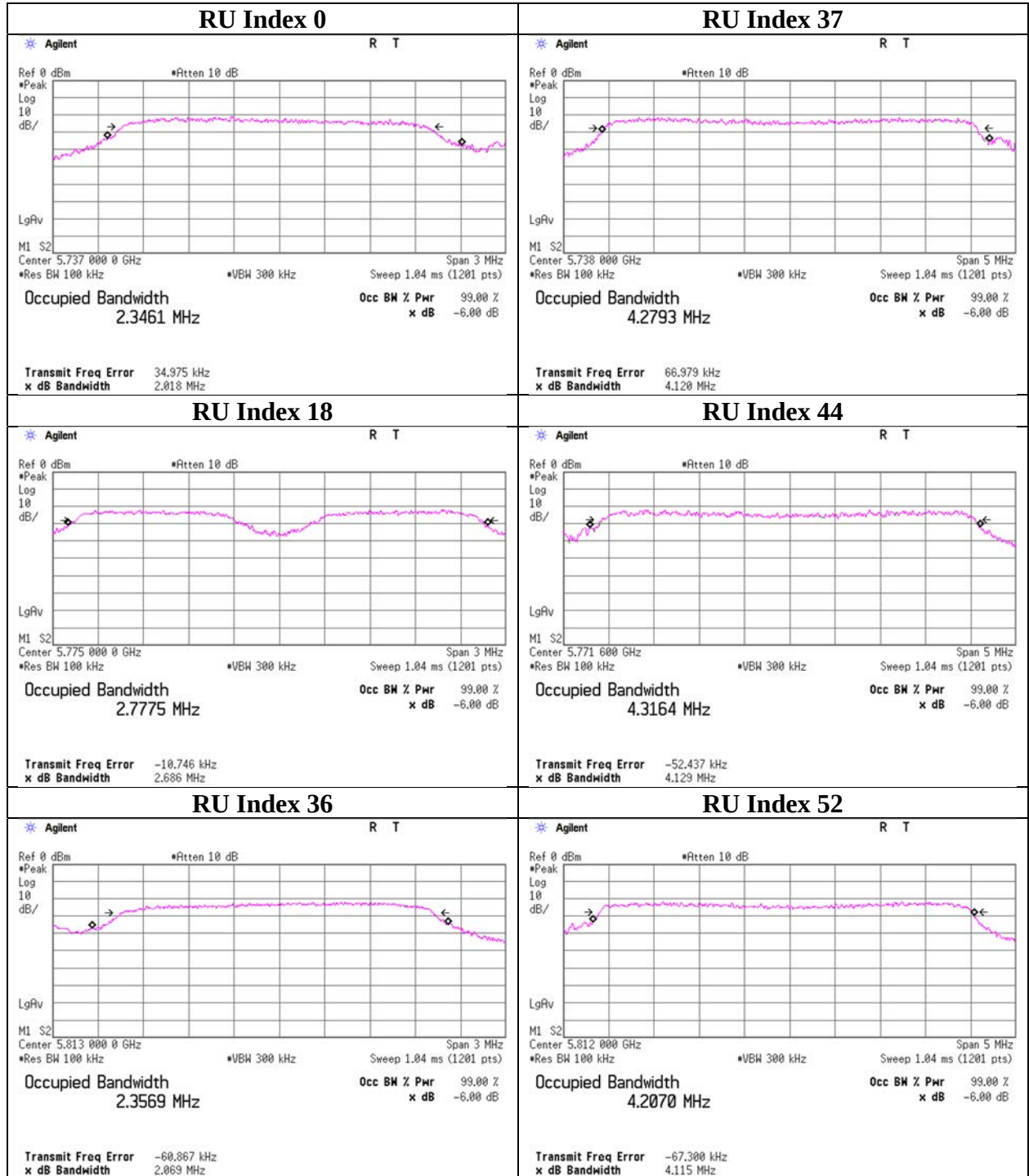
Facsimile : +81 596 24 8124

6 dB Bandwidth

11ax-80 (OFDMA)

26-tone RU 5775 MHz

52-tone RU 5775 MHz



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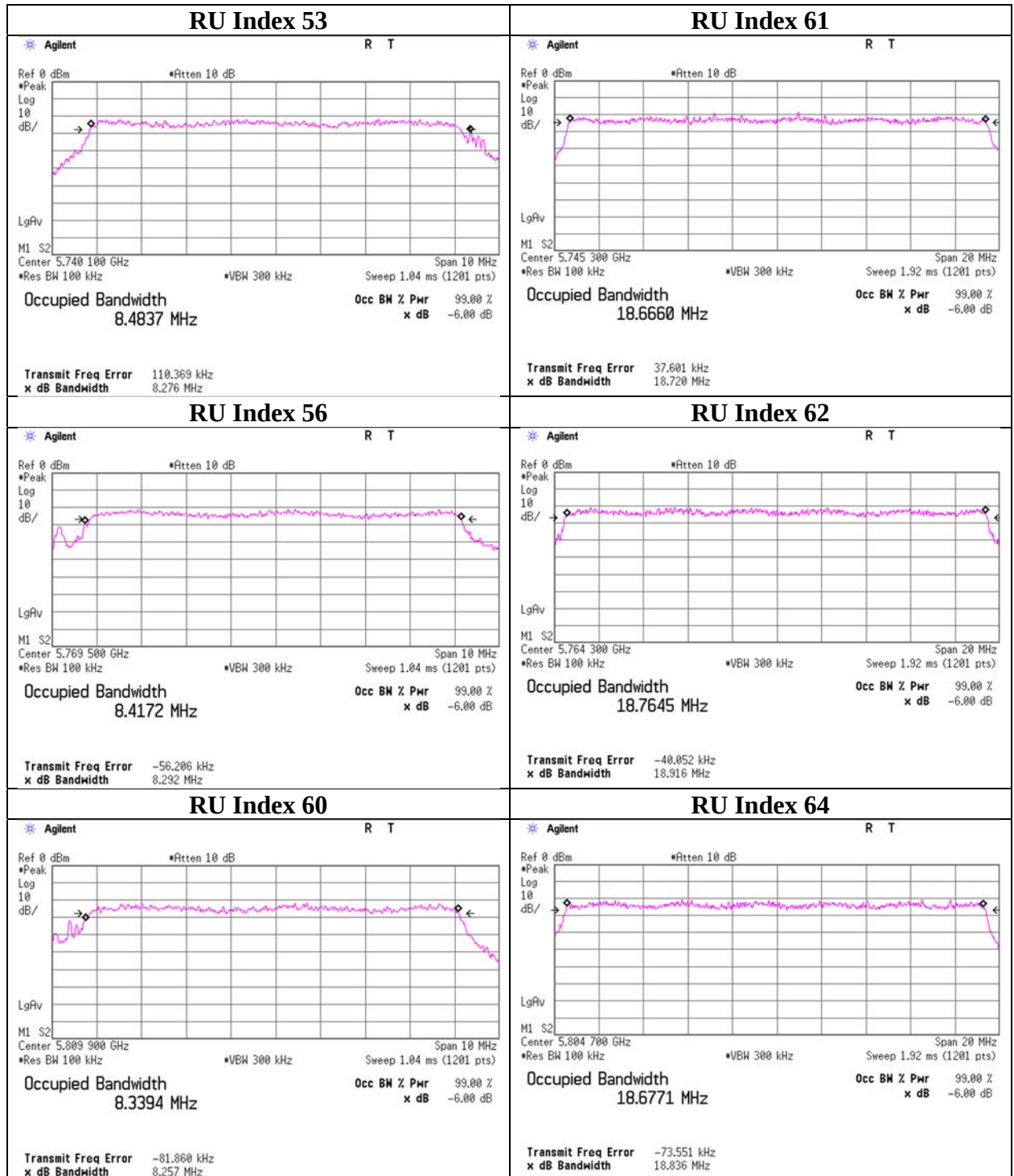
Facsimile : +81 596 24 8124

6 dB Bandwidth

11ax-80 (OFDMA)

106-tone RU 5775 MHz

242-tone RU 5775 MHz



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Ise EMC Lab.

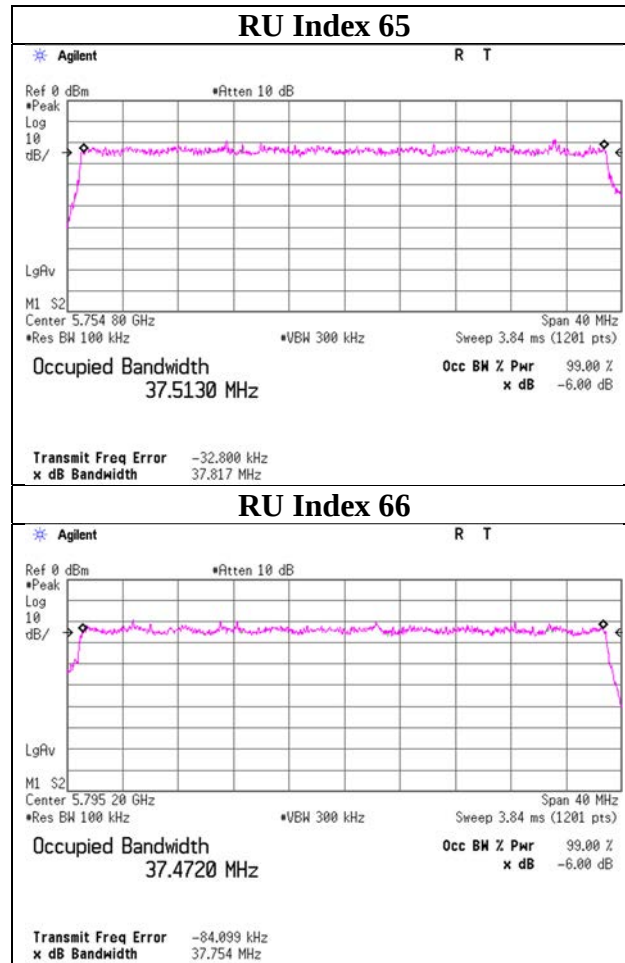
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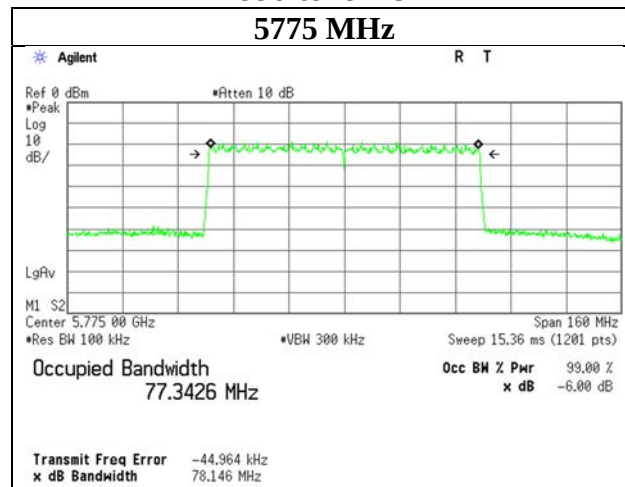
6 dB Bandwidth

11ax-80 (OFDMA) 484-tone RU 5775 MHz



6 dB Bandwidth

11ax-80 (OFDMA) 996-tone RU



Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 18, 2021
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11a

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5180	-	16.876	3.63	4.37	8.00	9.03	21.68	12.65	24.49	29.44	53.93	17.32	29.97	12.65
5220	-	16.875	4.01	4.80	8.81	9.45	21.68	12.23	27.04	32.36	59.40	17.74	29.97	12.23
5240	-	16.902	4.10	4.91	9.01	9.55	21.68	12.13	27.67	33.11	60.78	17.84	29.97	12.13
5260	19.705	16.892	6.18	7.33	13.51	11.31	21.65	10.34	41.69	49.43	91.12	19.60	29.97	10.37
5300	19.820	16.931	6.62	7.43	14.05	11.48	21.68	10.20	44.67	50.12	94.79	19.77	29.97	10.20
5320	19.771	16.898	6.65	7.35	14.00	11.46	21.67	10.21	44.87	49.55	94.42	19.75	29.97	10.22
5500	19.787	16.920	5.28	6.18	11.46	10.59	21.67	11.08	35.65	41.69	77.33	18.88	29.97	11.09
5580	19.672	16.918	6.07	7.28	13.35	11.25	21.64	10.39	40.93	49.09	90.02	19.54	29.97	10.43
5700	19.732	16.879	6.82	7.66	14.48	11.61	21.66	10.05	46.03	51.64	97.67	19.90	29.97	10.07
5720	19.738	16.887	7.00	7.46	14.46	11.60	21.66	10.06	47.21	50.35	97.56	19.89	29.97	10.08
5745	-	16.921	6.22	7.55	13.77	11.39	27.71	16.32	41.98	50.93	92.91	19.68	36.00	16.32
5785	-	16.875	6.92	7.23	14.15	11.51	27.71	16.20	46.67	48.75	95.42	19.80	36.00	16.20
5825	-	16.898	7.45	6.35	13.80	11.40	27.71	16.31	50.23	42.85	93.09	19.69	36.00	16.31

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
						Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-5.21	0.70	10.11	8.29	5.60	13.89	-4.18	0.70	9.88	8.29	6.40	14.69
5220	0.00	-4.77	0.70	10.10	8.29	6.03	14.32	-3.77	0.70	9.88	8.29	6.81	15.10
5240	0.00	-4.67	0.70	10.10	8.29	6.13	14.42	-3.67	0.70	9.88	8.29	6.91	15.20
5260	0.00	-2.89	0.70	10.10	8.29	7.91	16.20	-1.93	0.70	9.88	8.29	8.65	16.94
5300	0.00	-2.59	0.70	10.10	8.29	8.21	16.50	-1.87	0.70	9.88	8.29	8.71	17.00
5320	0.00	-2.57	0.70	10.10	8.29	8.23	16.52	-1.92	0.70	9.88	8.29	8.66	16.95
5500	0.00	-3.67	0.80	10.10	8.29	7.23	15.52	-2.77	0.80	9.88	8.29	7.91	16.20
5580	0.00	-3.07	0.80	10.10	8.29	7.83	16.12	-2.06	0.80	9.88	8.29	8.62	16.91
5700	0.00	-2.57	0.80	10.11	8.29	8.34	16.63	-1.85	0.80	9.89	8.29	8.84	17.13
5720	0.00	-2.46	0.80	10.11	8.29	8.45	16.74	-1.96	0.80	9.89	8.29	8.73	17.02
5745	0.00	-2.97	0.80	10.11	8.29	7.94	16.23	-1.92	0.80	9.90	8.29	8.78	17.07
5785	0.00	-2.52	0.80	10.12	8.29	8.40	16.69	-2.11	0.80	9.90	8.29	8.59	16.88
5825	0.00	-2.20	0.80	10.12	8.29	8.72	17.01	-2.67	0.80	9.90	8.29	8.03	16.32

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No.	13671144H
Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 19, 2021
Temperature / Humidity	22 deg. C / 46 % RH
Engineer	Junya Okuno
Mode	Tx 11n-20

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5180	-	17.860	3.59	4.32	7.90	8.98	21.68	12.70	24.21	29.11	53.32	17.27	29.97	12.70
5220	-	17.834	3.94	4.73	8.68	9.38	21.68	12.30	26.61	31.92	58.52	17.67	29.97	12.30
5240	-	17.830	4.17	4.88	9.04	9.56	21.68	12.12	28.12	32.89	61.00	17.85	29.97	12.12
5260	20.030	17.838	6.21	7.26	13.47	11.29	21.68	10.39	41.88	48.98	90.86	19.58	29.97	10.39
5300	20.078	17.838	6.56	7.38	13.94	11.44	21.68	10.24	44.26	49.77	94.03	19.73	29.97	10.24
5320	20.119	17.802	6.65	7.31	13.96	11.45	21.68	10.23	44.87	49.32	94.19	19.74	29.97	10.23
5500	20.006	17.849	5.25	6.22	11.47	10.60	21.68	11.08	35.40	41.98	77.38	18.89	29.97	11.08
5580	20.126	17.852	6.12	7.21	13.33	11.25	21.68	10.43	41.30	48.64	89.95	19.54	29.97	10.43
5700	20.028	17.839	6.93	7.50	14.43	11.59	21.68	10.09	46.77	50.58	97.36	19.88	29.97	10.09
5720	20.247	17.855	7.10	7.29	14.39	11.58	21.68	10.10	47.86	49.20	97.07	19.87	29.97	10.10
5745	-	17.813	6.11	7.48	13.59	11.33	27.71	16.38	41.21	50.47	91.68	19.62	36.00	16.38
5785	-	17.876	6.85	7.23	14.08	11.49	27.71	16.22	46.24	48.75	94.99	19.78	36.00	16.22
5825	-	17.829	7.36	6.37	13.73	11.38	27.71	16.33	49.66	42.95	92.61	19.67	36.00	16.33

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
						Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-5.26	0.70	10.11	8.29	5.55	13.84	-4.23	0.70	9.88	8.29	6.35	14.64
5220	0.00	-4.84	0.70	10.10	8.29	5.96	14.25	-3.83	0.70	9.88	8.29	6.75	15.04
5240	0.00	-4.60	0.70	10.10	8.29	6.20	14.49	-3.70	0.70	9.88	8.29	6.88	15.17
5260	0.00	-2.87	0.70	10.10	8.29	7.93	16.22	-1.97	0.70	9.88	8.29	8.61	16.90
5300	0.00	-2.63	0.70	10.10	8.29	8.17	16.46	-1.90	0.70	9.88	8.29	8.68	16.97
5320	0.00	-2.57	0.70	10.10	8.29	8.23	16.52	-1.94	0.70	9.88	8.29	8.64	16.93
5500	0.00	-3.70	0.80	10.10	8.29	7.20	15.49	-2.74	0.80	9.88	8.29	7.94	16.23
5580	0.00	-3.03	0.80	10.10	8.29	7.87	16.16	-2.10	0.80	9.88	8.29	8.58	16.87
5700	0.00	-2.50	0.80	10.11	8.29	8.41	16.70	-1.94	0.80	9.89	8.29	8.75	17.04
5720	0.00	-2.40	0.80	10.11	8.29	8.51	16.80	-2.06	0.80	9.89	8.29	8.63	16.92
5745	0.00	-3.05	0.80	10.11	8.29	7.86	16.15	-1.96	0.80	9.90	8.29	8.74	17.03
5785	0.00	-2.56	0.80	10.12	8.29	8.36	16.65	-2.11	0.80	9.90	8.29	8.59	16.88
5825	0.00	-2.25	0.80	10.12	8.29	8.67	16.96	-2.66	0.80	9.90	8.29	8.04	16.33

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 19, 2021
Temperature / Humidity 22 deg. C / 46 % RH
Engineer Junya Okuno
Mode Tx 11ac-20

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5180	-	17.867	3.60	4.28	7.87	8.96	21.68	12.72	24.27	28.84	53.11	17.25	29.97	12.72
5220	-	17.824	3.98	4.69	8.67	9.38	21.68	12.30	26.85	31.62	58.48	17.67	29.97	12.30
5240	-	17.857	4.12	4.90	9.02	9.55	21.68	12.13	27.80	33.04	60.83	17.84	29.97	12.13
5260	20.161	17.834	6.24	7.33	13.57	11.32	21.68	10.36	42.07	49.43	91.50	19.61	29.97	10.36
5300	20.065	17.846	6.62	7.45	14.07	11.48	21.68	10.20	44.67	50.23	94.90	19.77	29.97	10.20
5320	20.164	17.846	6.65	7.35	14.00	11.46	21.68	10.22	44.87	49.55	94.42	19.75	29.97	10.22
5500	20.258	17.823	5.35	6.19	11.54	10.62	21.68	11.06	36.06	41.78	77.84	18.91	29.97	11.06
5580	20.034	17.836	6.10	7.29	13.39	11.27	21.68	10.41	41.11	49.20	90.32	19.56	29.97	10.41
5700	20.090	17.829	6.93	7.62	14.56	11.63	21.68	10.05	46.77	51.40	98.18	19.92	29.97	10.05
5720	20.067	17.863	7.08	7.45	14.53	11.62	21.68	10.06	47.75	50.23	97.99	19.91	29.97	10.06
5745	-	17.822	6.19	7.60	13.80	11.40	27.71	16.31	41.78	51.29	93.07	19.69	36.00	16.31
5785	-	17.848	6.97	7.21	14.18	11.52	27.71	16.19	46.99	48.64	95.63	19.81	36.00	16.19
5825	-	17.865	7.43	6.35	13.78	11.39	27.71	16.32	50.12	42.85	92.97	19.68	36.00	16.32

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
						Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-5.25	0.70	10.11	8.29	5.56	13.85	-4.27	0.70	9.88	8.29	6.31	14.60
5220	0.00	-4.80	0.70	10.10	8.29	6.00	14.29	-3.87	0.70	9.88	8.29	6.71	15.00
5240	0.00	-4.65	0.70	10.10	8.29	6.15	14.44	-3.68	0.70	9.88	8.29	6.90	15.19
5260	0.00	-2.85	0.70	10.10	8.29	7.95	16.24	-1.93	0.70	9.88	8.29	8.65	16.94
5300	0.00	-2.59	0.70	10.10	8.29	8.21	16.50	-1.86	0.70	9.88	8.29	8.72	17.01
5320	0.00	-2.57	0.70	10.10	8.29	8.23	16.52	-1.92	0.70	9.88	8.29	8.66	16.95
5500	0.00	-3.62	0.80	10.10	8.29	7.28	15.57	-2.76	0.80	9.88	8.29	7.92	16.21
5580	0.00	-3.05	0.80	10.10	8.29	7.85	16.14	-2.05	0.80	9.88	8.29	8.63	16.92
5700	0.00	-2.50	0.80	10.11	8.29	8.41	16.70	-1.87	0.80	9.89	8.29	8.82	17.11
5720	0.00	-2.41	0.80	10.11	8.29	8.50	16.79	-1.97	0.80	9.89	8.29	8.72	17.01
5745	0.00	-2.99	0.80	10.11	8.29	7.92	16.21	-1.89	0.80	9.90	8.29	8.81	17.10
5785	0.00	-2.49	0.80	10.12	8.29	8.43	16.72	-2.12	0.80	9.90	8.29	8.58	16.87
5825	0.00	-2.21	0.80	10.12	8.29	8.71	17.00	-2.67	0.80	9.90	8.29	8.03	16.32

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 19, 2021
Temperature / Humidity 22 deg. C / 46 % RH
Engineer Junya Okuno
Mode Tx 11ax-20 (OFDM)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW [MHz]	99% OBW [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5180	-	18.841	3.83	4.72	8.55	9.32	21.68	12.36	25.82	31.84	57.66	17.61	29.97	12.36
5220	-	18.849	4.19	5.14	9.33	9.70	21.68	11.98	28.25	34.67	62.92	17.99	29.97	11.98
5240	-	18.857	4.38	5.31	9.68	9.86	21.68	11.82	29.51	35.81	65.32	18.15	29.97	11.82
5260	20.314	18.803	6.52	7.85	14.37	11.57	21.68	10.11	43.95	52.97	96.92	19.86	29.97	10.11
5300	20.165	18.811	6.81	7.87	14.68	11.67	21.68	10.01	45.92	53.09	99.01	19.96	29.97	10.01
5320	20.529	18.851	6.92	7.66	14.57	11.64	21.68	10.04	46.67	51.64	98.31	19.93	29.97	10.04
5500	20.350	18.826	5.64	6.73	12.37	10.92	21.68	10.76	38.02	45.39	83.41	19.21	29.97	10.76
5580	20.513	18.859	6.37	7.78	14.15	11.51	21.68	10.17	42.95	52.48	95.43	19.80	29.97	10.17
5700	20.401	18.851	7.10	7.96	15.06	11.78	21.68	9.90	47.86	53.70	101.57	20.07	29.97	9.90
5720	20.425	18.839	7.18	7.85	15.03	11.77	21.68	9.91	48.42	52.97	101.38	20.06	29.97	9.91
5745	-	18.842	6.70	7.94	14.64	11.66	27.71	16.05	45.19	53.58	98.77	19.95	36.00	16.05
5785	-	18.850	7.40	7.45	14.84	11.72	27.71	15.99	49.89	50.23	100.12	20.01	36.00	15.99
5825	-	18.851	7.73	6.47	14.20	11.52	27.71	16.19	52.12	43.65	95.77	19.81	36.00	16.19

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
						Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-4.98	0.70	10.11	8.29	5.83	14.12	-3.84	0.70	9.88	8.29	6.74	15.03
5220	0.00	-4.58	0.70	10.10	8.29	6.22	14.51	-3.47	0.70	9.88	8.29	7.11	15.40
5240	0.00	-4.39	0.70	10.10	8.29	6.41	14.70	-3.33	0.70	9.88	8.29	7.25	15.54
5260	0.00	-2.66	0.70	10.10	8.29	8.14	16.43	-1.63	0.70	9.88	8.29	8.95	17.24
5300	0.00	-2.47	0.70	10.10	8.29	8.33	16.62	-1.62	0.70	9.88	8.29	8.96	17.25
5320	0.00	-2.40	0.70	10.10	8.29	8.40	16.69	-1.74	0.70	9.88	8.29	8.84	17.13
5500	0.00	-3.39	0.80	10.10	8.29	7.51	15.80	-2.40	0.80	9.88	8.29	8.28	16.57
5580	0.00	-2.86	0.80	10.10	8.29	8.04	16.33	-1.77	0.80	9.88	8.29	8.91	17.20
5700	0.00	-2.40	0.80	10.11	8.29	8.51	16.80	-1.68	0.80	9.89	8.29	9.01	17.30
5720	0.00	-2.35	0.80	10.11	8.29	8.56	16.85	-1.74	0.80	9.89	8.29	8.95	17.24
5745	0.00	-2.65	0.80	10.11	8.29	8.26	16.55	-1.70	0.80	9.90	8.29	9.00	17.29
5785	0.00	-2.23	0.80	10.12	8.29	8.69	16.98	-1.98	0.80	9.90	8.29	8.72	17.01
5825	0.00	-2.04	0.80	10.12	8.29	8.88	17.17	-2.59	0.80	9.90	8.29	8.11	16.40

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 27, 2021
Temperature / Humidity 26 deg. C / 52 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-20 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				1	3	Sum	Result	Limit	Margin	1	3	Sum	Result	Limit	Margin
				[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	0	-	18.214	0.39	0.50	0.89	-0.52	21.68	22.20	2.60	3.39	5.99	7.77	29.97	22.20
	4	-	16.919	0.41	0.53	0.94	-0.27	21.68	21.95	2.76	3.58	6.34	8.02	29.97	21.95
	8	-	18.314	0.39	0.50	0.90	-0.48	21.68	22.16	2.66	3.38	6.04	7.81	29.97	22.16
5220	0	-	18.203	0.43	0.54	0.97	-0.13	21.68	21.81	2.93	3.61	6.54	8.16	29.97	21.81
	4	-	16.941	0.46	0.59	1.06	0.23	21.68	21.45	3.12	4.00	7.12	8.52	29.97	21.45
	8	-	18.309	0.45	0.56	1.01	0.04	21.68	21.64	3.05	3.76	6.81	8.33	29.97	21.64
5240	0	-	18.199	0.46	0.57	1.03	0.13	21.68	21.55	3.12	3.84	6.96	8.42	29.97	21.55
	4	-	16.939	0.49	0.60	1.10	0.40	21.68	21.28	3.32	4.07	7.39	8.69	29.97	21.28
	8	-	18.362	0.48	0.57	1.04	0.19	21.68	21.49	3.23	3.82	7.05	8.48	29.97	21.49
5260	0	19.169	18.204	0.62	0.75	1.36	1.34	21.53	20.19	4.15	5.04	9.18	9.63	29.97	20.34
	4	18.151	16.942	0.66	0.78	1.44	1.58	21.29	19.71	4.44	5.26	9.70	9.87	29.97	20.10
	8	19.374	18.332	0.63	0.74	1.37	1.36	21.58	20.22	4.24	4.99	9.23	9.65	29.97	20.32
5300	0	19.188	18.196	0.67	0.75	1.42	1.52	21.54	20.02	4.49	5.08	9.57	9.81	29.97	20.16
	4	18.158	16.946	0.70	0.77	1.47	1.69	21.30	19.61	4.73	5.21	9.94	9.98	29.97	19.99
	8	19.373	18.302	0.67	0.73	1.40	1.47	21.58	20.11	4.52	4.94	9.46	9.76	29.97	20.21
5320	0	19.212	18.188	0.67	0.75	1.42	1.53	21.54	20.01	4.55	5.05	9.60	9.82	29.97	20.15
	4	18.157	16.937	0.71	0.76	1.47	1.67	21.30	19.63	4.80	5.11	9.90	9.96	29.97	20.01
	8	19.326	18.335	0.67	0.72	1.39	1.43	21.57	20.14	4.53	4.84	9.37	9.72	29.97	20.25

Antenna 1										Antenna 3					
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power [dBm]
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.	
							[dBm]	[dBm]					[dBm]	[dBm]	
5180	0	0.00	-14.69	0.70	9.85	8.29	-4.14	4.15	-17.44	4.57	9.88	8.29	-2.99	5.30	
	4	0.00	-14.43	0.70	9.85	8.29	-3.88	4.41	-17.20	4.57	9.88	8.29	-2.75	5.54	
	8	0.00	-14.59	0.70	9.85	8.29	-4.04	4.25	-17.45	4.57	9.88	8.29	-3.00	5.29	
5220	0	0.00	-14.17	0.70	9.85	8.29	-3.62	4.67	-17.14	4.55	9.88	8.29	-2.71	5.58	
	4	0.00	-13.90	0.70	9.85	8.29	-3.35	4.94	-16.70	4.55	9.88	8.29	-2.27	6.02	
	8	0.00	-13.99	0.70	9.85	8.29	-3.44	4.85	-16.97	4.55	9.88	8.29	-2.54	5.75	
5240	0	0.00	-13.91	0.70	9.86	8.29	-3.35	4.94	-16.88	4.54	9.89	8.29	-2.45	5.84	
	4	0.00	-13.64	0.70	9.86	8.29	-3.08	5.21	-16.62	4.54	9.89	8.29	-2.19	6.10	
	8	0.00	-13.76	0.70	9.86	8.29	-3.20	5.09	-16.90	4.54	9.89	8.29	-2.47	5.82	
5260	0	0.00	-12.67	0.70	9.86	8.29	-2.11	6.18	-15.69	4.53	9.89	8.29	-1.27	7.02	
	4	0.00	-12.38	0.70	9.86	8.29	-1.82	6.47	-15.50	4.53	9.89	8.29	-1.08	7.21	
	8	0.00	-12.58	0.70	9.86	8.29	-2.02	6.27	-15.73	4.53	9.89	8.29	-1.31	6.98	
5300	0	0.00	-12.33	0.70	9.86	8.29	-1.77	6.52	-15.63	4.51	9.89	8.29	-1.23	7.06	
	4	0.00	-12.10	0.70	9.86	8.29	-1.54	6.75	-15.52	4.51	9.89	8.29	-1.12	7.17	
	8	0.00	-12.30	0.70	9.86	8.29	-1.74	6.55	-15.75	4.51	9.89	8.29	-1.35	6.94	
5320	0	0.00	-12.27	0.70	9.86	8.29	-1.71	6.58	-15.65	4.50	9.89	8.29	-1.26	7.03	
	4	0.00	-12.04	0.70	9.86	8.29	-1.48	6.81	-15.60	4.50	9.89	8.29	-1.21	7.08	
	8	0.00	-12.29	0.70	9.86	8.29	-1.73	6.56	-15.83	4.50	9.89	8.29	-1.44	6.85	

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 27, 2021
Temperature / Humidity 26 deg. C / 52 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-20 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1 [mW]	3 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	1 [mW]	3 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5520	0	19.225	18.204	0.59	0.69	1.28	1.08	21.54	20.46	3.98	4.67	8.65	9.37	29.97	20.60
	4	18.122	16.932	0.63	0.74	1.37	1.38	21.29	19.91	4.27	5.00	9.27	9.67	29.97	20.30
	8	19.327	18.304	0.60	0.72	1.33	1.23	21.57	20.34	4.07	4.88	8.95	9.52	29.97	20.45
5580	0	19.224	18.199	0.63	0.80	1.43	1.57	21.54	19.97	4.27	5.41	9.67	9.86	29.97	20.11
	4	18.128	16.938	0.67	0.85	1.52	1.83	21.29	19.46	4.55	5.73	10.28	10.12	29.97	19.85
	8	19.396	18.322	0.64	0.82	1.46	1.65	21.58	19.93	4.34	5.52	9.86	9.94	29.97	20.03
5700	0	19.207	18.184	0.69	0.77	1.46	1.64	21.54	19.90	4.63	5.20	9.83	9.93	29.97	20.04
	4	18.146	16.943	0.72	0.79	1.51	1.78	21.29	19.51	4.88	5.30	10.17	10.07	29.97	19.90
	8	19.408	18.345	0.69	0.75	1.44	1.58	21.58	20.00	4.63	5.08	9.72	9.87	29.97	20.10
5720	0	19.280	18.207	0.73	0.72	1.44	1.59	21.56	19.97	4.90	4.83	9.73	9.88	29.97	20.09
	4	18.118	16.929	0.72	0.77	1.49	1.73	21.29	19.56	4.85	5.19	10.04	10.02	29.97	19.95
	8	19.381	18.349	0.73	0.73	1.46	1.65	21.58	19.93	4.93	4.92	9.85	9.94	29.97	20.03
5745	0	-	18.192	0.54	0.69	1.23	0.90	27.71	26.81	3.67	4.63	8.31	9.19	36.00	26.81
	4	-	16.928	0.59	0.71	1.31	1.16	27.71	26.55	3.99	4.82	8.81	9.45	36.00	26.55
	8	-	18.331	0.57	0.68	1.26	0.99	27.71	26.72	3.85	4.61	8.47	9.28	36.00	26.72
5785	0	-	18.179	0.65	0.68	1.33	1.24	27.71	26.47	4.41	4.57	8.98	9.53	36.00	26.47
	4	-	16.946	0.72	0.68	1.40	1.46	27.71	26.25	4.84	4.59	9.43	9.75	36.00	26.25
	8	-	18.324	0.70	0.64	1.34	1.26	27.71	26.45	4.69	4.33	9.01	9.55	36.00	26.45
5825	0	-	18.178	0.76	0.61	1.37	1.37	27.71	26.34	5.11	4.14	9.25	9.66	36.00	26.34
	4	-	16.930	0.82	0.62	1.44	1.57	27.71	26.14	5.52	4.16	9.68	9.86	36.00	26.14
	8	-	18.358	0.77	0.57	1.34	1.26	27.71	26.45	5.16	3.85	9.01	9.55	36.00	26.45

Tested Frequency [MHz]	RU Index	Duty Factor	Antenna 1						Antenna 3					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5520	0	0.00	-12.95	0.80	9.86	8.29	-2.29	6.00	-16.01	4.51	9.90	8.29	-1.60	6.69
	4	0.00	-12.65	0.80	9.86	8.29	-1.99	6.30	-15.71	4.51	9.90	8.29	-1.30	6.99
	8	0.00	-12.85	0.80	9.86	8.29	-2.19	6.10	-15.82	4.51	9.90	8.29	-1.41	6.88
5580	0	0.00	-12.66	0.80	9.87	8.29	-1.99	6.30	-15.32	4.46	9.90	8.29	-0.96	7.33
	4	0.00	-12.38	0.80	9.87	8.29	-1.71	6.58	-15.07	4.46	9.90	8.29	-0.71	7.58
	8	0.00	-12.59	0.80	9.87	8.29	-1.92	6.37	-15.23	4.46	9.90	8.29	-0.87	7.42
5700	0	0.00	-12.31	0.80	9.88	8.29	-1.63	6.66	-15.45	4.40	9.92	8.29	-1.13	7.16
	4	0.00	-12.09	0.80	9.88	8.29	-1.41	6.88	-15.37	4.40	9.92	8.29	-1.05	7.24
	8	0.00	-12.31	0.80	9.88	8.29	-1.63	6.66	-15.55	4.40	9.92	8.29	-1.23	7.06
5720	0	0.00	-12.07	0.80	9.88	8.29	-1.39	6.90	-15.76	4.39	9.92	8.29	-1.45	6.84
	4	0.00	-12.11	0.80	9.88	8.29	-1.43	6.86	-15.45	4.39	9.92	8.29	-1.14	7.15
	8	0.00	-12.04	0.80	9.88	8.29	-1.36	6.93	-15.68	4.39	9.92	8.29	-1.37	6.92
5745	0	0.00	-13.32	0.80	9.88	8.29	-2.64	5.65	-15.93	4.38	9.92	8.29	-1.63	6.66
	4	0.00	-12.96	0.80	9.88	8.29	-2.28	6.01	-15.76	4.38	9.92	8.29	-1.46	6.83
	8	0.00	-13.11	0.80	9.88	8.29	-2.43	5.86	-15.95	4.38	9.92	8.29	-1.65	6.64
5785	0	0.00	-12.53	0.80	9.88	8.29	-1.85	6.44	-15.97	4.35	9.93	8.29	-1.69	6.60
	4	0.00	-12.12	0.80	9.88	8.29	-1.44	6.85	-15.95	4.35	9.93	8.29	-1.67	6.62
	8	0.00	-12.26	0.80	9.88	8.29	-1.58	6.71	-16.21	4.35	9.93	8.29	-1.93	6.36
5825	0	0.00	-11.90	0.80	9.89	8.29	-1.21	7.08	-16.38	4.33	9.93	8.29	-2.12	6.17
	4	0.00	-11.56	0.80	9.89	8.29	-0.87	7.42	-16.36	4.33	9.93	8.29	-2.10	6.19
	8	0.00	-11.85	0.80	9.89	8.29	-1.16	7.13	-16.70	4.33	9.93	8.29	-2.44	5.85

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-20 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				1	3	Sum	Result	Limit	Margin	1	3	Sum	Result	Limit	Margin
				[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	37	-	18.095	0.78	0.97	1.76	2.45	21.68	19.23	5.27	6.58	11.85	10.74	29.97	19.23
	38	-	16.895	0.86	1.07	1.93	2.86	21.68	18.82	5.81	7.23	13.04	11.15	29.97	18.82
	40	-	18.170	0.81	0.99	1.80	2.55	21.68	19.13	5.47	6.65	12.12	10.84	29.97	19.13
5220	37	-	18.095	0.90	1.09	1.98	2.98	21.68	18.70	6.04	7.35	13.38	11.27	29.97	18.70
	38	-	16.914	0.99	1.20	2.19	3.40	21.68	18.28	6.67	8.07	14.74	11.69	29.97	18.28
	40	-	18.170	0.92	1.09	2.01	3.04	21.68	18.64	6.22	7.35	13.57	11.33	29.97	18.64
5240	37	-	18.136	0.95	1.11	2.06	3.14	21.68	18.54	6.41	7.48	13.89	11.43	29.97	18.54
	38	-	16.904	1.04	1.21	2.26	3.53	21.68	18.15	7.03	8.18	15.22	11.82	29.97	18.15
	40	-	18.169	0.97	1.10	2.07	3.16	21.68	18.52	6.55	7.43	13.98	11.45	29.97	18.52
5260	37	19.353	18.092	1.25	1.45	2.70	4.32	21.57	17.25	8.43	9.79	18.23	12.61	29.97	17.36
	38	18.273	16.886	1.38	1.60	2.98	4.74	21.32	16.58	9.31	10.79	20.10	13.03	29.97	16.94
	40	19.422	18.163	1.27	1.45	2.73	4.35	21.59	17.24	8.59	9.79	18.39	12.64	29.97	17.33
5300	37	19.344	18.084	1.36	1.47	2.82	4.51	21.57	17.06	9.14	9.91	19.05	12.80	29.97	17.17
	38	18.241	16.897	1.50	1.61	3.11	4.92	21.32	16.40	10.12	10.84	20.96	13.21	29.97	16.76
	40	19.500	18.176	1.37	1.46	2.83	4.52	21.61	17.09	9.27	9.82	19.09	12.81	29.97	17.16
5320	37	19.316	18.087	1.39	1.47	2.87	4.57	21.56	16.99	9.40	9.93	19.33	12.86	29.97	17.11
	38	18.281	16.883	1.52	1.61	3.13	4.96	21.33	16.37	10.28	10.86	21.14	13.25	29.97	16.72
	40	19.510	18.184	1.39	1.44	2.84	4.53	21.61	17.08	9.40	9.73	19.12	12.82	29.97	17.15

			Antenna 1						Antenna 3					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.
							[dBm]	[dBm]					[dBm]	[dBm]
5180	37	0.00	-11.62	0.70	9.85	8.29	-1.07	7.22	-14.56	4.57	9.88	8.29	-0.11	8.18
	38	0.00	-11.20	0.70	9.85	8.29	-0.65	7.64	-14.15	4.57	9.88	8.29	0.30	8.59
	40	0.00	-11.46	0.70	9.85	8.29	-0.91	7.38	-14.51	4.57	9.88	8.29	-0.06	8.23
5220	37	0.00	-11.03	0.70	9.85	8.29	-0.48	7.81	-14.06	4.55	9.88	8.29	0.37	8.66
	38	0.00	-10.60	0.70	9.85	8.29	-0.05	8.24	-13.65	4.55	9.88	8.29	0.78	9.07
	40	0.00	-10.90	0.70	9.85	8.29	-0.35	7.94	-14.06	4.55	9.88	8.29	0.37	8.66
5240	37	0.00	-10.78	0.70	9.86	8.29	-0.22	8.07	-13.98	4.54	9.89	8.29	0.45	8.74
	38	0.00	-10.38	0.70	9.86	8.29	0.18	8.47	-13.59	4.54	9.89	8.29	0.84	9.13
	40	0.00	-10.69	0.70	9.86	8.29	-0.13	8.16	-14.01	4.54	9.89	8.29	0.42	8.71
5260	37	0.00	-9.59	0.70	9.86	8.29	0.97	9.26	-12.80	4.53	9.89	8.29	1.62	9.91
	38	0.00	-9.16	0.70	9.86	8.29	1.40	9.69	-12.38	4.53	9.89	8.29	2.04	10.33
	40	0.00	-9.51	0.70	9.86	8.29	1.05	9.34	-12.80	4.53	9.89	8.29	1.62	9.91
5300	37	0.00	-9.24	0.70	9.86	8.29	1.32	9.61	-12.73	4.51	9.89	8.29	1.67	9.96
	38	0.00	-8.80	0.70	9.86	8.29	1.76	10.05	-12.34	4.51	9.89	8.29	2.06	10.35
	40	0.00	-9.18	0.70	9.86	8.29	1.38	9.67	-12.77	4.51	9.89	8.29	1.63	9.92
5320	37	0.00	-9.12	0.70	9.86	8.29	1.44	9.73	-12.71	4.50	9.89	8.29	1.68	9.97
	38	0.00	-8.73	0.70	9.86	8.29	1.83	10.12	-12.32	4.50	9.89	8.29	2.07	10.36
	40	0.00	-9.12	0.70	9.86	8.29	1.44	9.73	-12.80	4.50	9.89	8.29	1.59	9.88

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

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Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-20 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1 [mW]	3 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	1 [mW]	3 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5500	37	19.319	18.086	1.04	1.17	2.21	3.44	21.56	18.12	7.01	7.87	14.89	11.73	29.97	18.24
	38	18.249	16.887	1.13	1.28	2.41	3.81	21.32	17.51	7.60	8.63	16.23	12.10	29.97	17.87
	40	19.520	18.161	1.05	1.20	2.25	3.52	21.61	18.09	7.06	8.11	15.17	11.81	29.97	18.16
5580	37	19.252	18.097	1.19	1.44	2.64	4.21	21.55	17.34	8.05	9.73	17.78	12.50	29.97	17.47
	38	18.278	16.878	1.31	1.58	2.89	4.61	21.32	16.71	8.83	10.67	19.50	12.90	29.97	17.07
	40	19.407	18.160	1.21	1.45	2.65	4.24	21.58	17.34	8.13	9.77	17.90	12.53	29.97	17.44
5700	37	19.298	18.101	1.42	1.54	2.96	4.71	21.56	16.85	9.57	10.38	19.95	13.00	29.97	16.97
	38	18.225	16.887	1.55	1.67	3.22	5.08	21.31	16.23	10.47	11.25	21.72	13.37	29.97	16.60
	40	19.503	18.174	1.43	1.50	2.92	4.66	21.61	16.95	9.62	10.09	19.71	12.95	29.97	17.02
5720	37	19.338	18.080	1.49	1.52	3.02	4.80	21.57	16.77	10.07	10.28	20.35	13.09	29.97	16.88
	38	18.303	16.897	1.61	1.65	3.27	5.14	21.33	16.19	10.89	11.14	22.03	13.43	29.97	16.54
	40	19.437	18.186	1.47	1.45	2.92	4.66	21.59	16.93	9.93	9.77	19.70	12.95	29.97	17.02
5745	37	-	18.086	1.10	1.43	2.52	4.02	27.71	23.69	7.41	9.62	17.03	12.31	36.00	23.69
	38	-	16.911	1.21	1.54	2.75	4.39	27.71	23.32	8.15	10.40	18.55	12.68	36.00	23.32
	40	-	18.256	1.14	1.41	2.55	4.06	27.71	23.65	7.71	9.48	17.19	12.35	36.00	23.65
5785	37	-	18.086	1.32	1.39	2.71	4.33	27.71	23.38	8.91	9.35	18.27	12.62	36.00	23.38
	38	-	16.903	1.47	1.48	2.95	4.70	27.71	23.01	9.91	10.00	19.91	12.99	36.00	23.01
	40	-	18.196	1.38	1.33	2.71	4.33	27.71	23.38	9.31	8.97	18.29	12.62	36.00	23.38
5825	37	-	18.066	1.48	1.24	2.72	4.35	27.71	23.36	10.00	8.36	18.36	12.64	36.00	23.36
	38	-	16.901	1.66	1.36	3.02	4.80	27.71	22.91	11.19	9.18	20.38	13.09	36.00	22.91
	40	-	18.209	1.53	1.18	2.71	4.33	27.71	23.38	10.30	7.98	18.28	12.62	36.00	23.38

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Antenna 1						Antenna 3					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5500	37	0.00	-10.49	0.80	9.86	8.29	0.17	8.46	-13.74	4.51	9.90	8.29	0.67	8.96
	38	0.00	-10.14	0.80	9.86	8.29	0.52	8.81	-13.34	4.51	9.90	8.29	1.07	9.36
	40	0.00	-10.46	0.80	9.86	8.29	0.20	8.49	-13.61	4.51	9.90	8.29	0.80	9.09
5580	37	0.00	-9.90	0.80	9.87	8.29	0.77	9.06	-12.77	4.46	9.90	8.29	1.59	9.88
	38	0.00	-9.50	0.80	9.87	8.29	1.17	9.46	-12.37	4.46	9.90	8.29	1.99	10.28
	40	0.00	-9.86	0.80	9.87	8.29	0.81	9.10	-12.75	4.46	9.90	8.29	1.61	9.90
5700	37	0.00	-9.16	0.80	9.88	8.29	1.52	9.81	-12.45	4.40	9.92	8.29	1.87	10.16
	38	0.00	-8.77	0.80	9.88	8.29	1.91	10.20	-12.10	4.40	9.92	8.29	2.22	10.51
	40	0.00	-9.14	0.80	9.88	8.29	1.54	9.83	-12.57	4.40	9.92	8.29	1.75	10.04
5720	37	0.00	-8.94	0.80	9.88	8.29	1.74	10.03	-12.48	4.39	9.92	8.29	1.83	10.12
	38	0.00	-8.60	0.80	9.88	8.29	2.08	10.37	-12.13	4.39	9.92	8.29	2.18	10.47
	40	0.00	-9.00	0.80	9.88	8.29	1.68	9.97	-12.70	4.39	9.92	8.29	1.61	9.90
5745	37	0.00	-10.27	0.80	9.88	8.29	0.41	8.70	-12.76	4.38	9.92	8.29	1.54	9.83
	38	0.00	-9.86	0.80	9.88	8.29	0.82	9.11	-12.42	4.38	9.92	8.29	1.88	10.17
	40	0.00	-10.10	0.80	9.88	8.29	0.58	8.87	-12.82	4.38	9.92	8.29	1.48	9.77
5785	37	0.00	-9.47	0.80	9.88	8.29	1.21	9.50	-12.86	4.35	9.93	8.29	1.42	9.71
	38	0.00	-9.01	0.80	9.88	8.29	1.67	9.96	-12.57	4.35	9.93	8.29	1.71	10.00
	40	0.00	-9.28	0.80	9.88	8.29	1.40	9.69	-13.04	4.35	9.93	8.29	1.24	9.53
5825	37	0.00	-8.98	0.80	9.89	8.29	1.71	10.00	-13.33	4.33	9.93	8.29	0.93	9.22
	38	0.00	-8.49	0.80	9.89	8.29	2.20	10.49	-12.92	4.33	9.93	8.29	1.34	9.63
	40	0.00	-8.85	0.80	9.89	8.29	1.84	10.13	-13.53	4.33	9.93	8.29	0.73	9.02

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-20 OFDMA (106-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1 [mW]	3 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	1 [mW]	3 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5180	53	-	18.023	1.52	1.93	3.45	5.38	21.68	16.30	10.26	13.03	23.29	13.67	29.97	16.30
	54	-	18.093	1.53	1.95	3.48	5.42	21.68	16.26	10.35	13.15	23.50	13.71	29.97	16.26
5220	53	-	18.025	1.70	2.15	3.85	5.85	21.68	15.83	11.46	14.49	25.94	14.14	29.97	15.83
	54	-	18.098	1.73	2.16	3.89	5.90	21.68	15.78	11.67	14.55	26.22	14.19	29.97	15.78
5240	53	-	18.016	1.77	2.10	3.88	5.89	21.68	15.79	11.97	14.19	26.16	14.18	29.97	15.79
	54	-	18.104	1.79	2.10	3.89	5.90	21.68	15.78	12.08	14.16	26.24	14.19	29.97	15.78
5260	53	19.421	18.013	2.42	2.85	5.27	7.22	21.59	14.37	16.33	19.23	35.56	15.51	29.97	14.46
	54	19.705	18.097	2.46	2.86	5.32	7.26	21.65	14.39	16.60	19.32	35.92	15.55	29.97	14.42
5300	53	19.398	18.011	2.62	2.87	5.49	7.40	21.58	14.18	17.70	19.36	37.07	15.69	29.97	14.28
	54	19.699	18.107	2.61	2.83	5.44	7.35	21.65	14.30	17.58	19.10	36.68	15.64	29.97	14.33
5320	53	19.469	18.024	2.66	2.86	5.52	7.42	21.60	14.18	17.95	19.28	37.22	15.71	29.97	14.26
	54	19.675	18.111	2.64	2.82	5.46	7.37	21.64	14.27	17.82	19.01	36.83	15.66	29.97	14.31

Antenna 1														
Antenna 3														
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5180	53	0.00	-8.73	0.70	9.85	8.29	1.82	10.11	-11.59	4.57	9.88	8.29	2.86	11.15
	54	0.00	-8.69	0.70	9.85	8.29	1.86	10.15	-11.55	4.57	9.88	8.29	2.90	11.19
5220	53	0.00	-8.25	0.70	9.85	8.29	2.30	10.59	-11.11	4.55	9.88	8.29	3.32	11.61
	54	0.00	-8.17	0.70	9.85	8.29	2.38	10.67	-11.09	4.55	9.88	8.29	3.34	11.63
5240	53	0.00	-8.07	0.70	9.86	8.29	2.49	10.78	-11.20	4.54	9.89	8.29	3.23	11.52
	54	0.00	-8.03	0.70	9.86	8.29	2.53	10.82	-11.21	4.54	9.89	8.29	3.22	11.51
5260	53	0.00	-6.72	0.70	9.86	8.29	3.84	12.13	-9.87	4.53	9.89	8.29	4.55	12.84
	54	0.00	-6.65	0.70	9.86	8.29	3.91	12.20	-9.85	4.53	9.89	8.29	4.57	12.86
5300	53	0.00	-6.37	0.70	9.86	8.29	4.19	12.48	-9.82	4.51	9.89	8.29	4.58	12.87
	54	0.00	-6.40	0.70	9.86	8.29	4.16	12.45	-9.88	4.51	9.89	8.29	4.52	12.81
5320	53	0.00	-6.31	0.70	9.86	8.29	4.25	12.54	-9.83	4.50	9.89	8.29	4.56	12.85
	54	0.00	-6.34	0.70	9.86	8.29	4.22	12.51	-9.89	4.50	9.89	8.29	4.50	12.79

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-20 OFDMA (106-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
				1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5500	53	19.363	18.021	2.02	2.38	4.41	6.44	21.57	15.13	13.65	16.07	29.72	14.73	29.97	15.24
	54	19.651	18.094	2.06	2.42	4.48	6.51	21.64	15.13	13.87	16.33	30.20	14.80	29.97	15.17
5580	53	19.419	18.018	2.28	2.90	5.17	7.14	21.59	14.45	15.35	19.54	34.89	15.43	29.97	14.54
	54	19.682	18.098	2.25	2.90	5.16	7.13	21.65	14.52	15.21	19.59	34.79	15.42	29.97	14.55
5700	53	19.430	18.013	2.59	3.03	5.62	7.49	21.59	14.10	17.46	20.42	37.88	15.78	29.97	14.19
	54	19.685	18.103	2.59	2.94	5.54	7.43	21.65	14.22	17.50	19.86	37.36	15.72	29.97	14.25
5720	53	19.375	18.011	2.75	2.96	5.71	7.57	21.58	14.01	18.54	20.00	38.53	15.86	29.97	14.11
	54	19.703	18.113	2.74	2.88	5.61	7.49	21.65	14.16	18.45	19.41	37.86	15.78	29.97	14.19
5745	53	-	18.011	2.28	2.87	5.15	7.12	27.71	20.59	15.38	19.36	34.75	15.41	36.00	20.59
	54	-	18.094	2.34	2.86	5.20	7.16	27.71	20.55	15.78	19.28	35.05	15.45	36.00	20.55
5785	53	-	18.020	2.64	2.82	5.45	7.37	27.71	20.34	17.78	19.01	36.79	15.66	36.00	20.34
	54	-	18.104	2.68	2.71	5.39	7.32	27.71	20.39	18.07	18.28	36.35	15.61	36.00	20.39
5825	53	-	17.994	2.93	2.51	5.44	7.36	27.71	20.35	19.77	16.94	36.71	15.65	36.00	20.35
	54	-	18.120	2.96	2.40	5.36	7.29	27.71	20.42	19.95	16.22	36.17	15.58	36.00	20.42

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Antenna 1					Antenna 3					Result	
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5500	53	0.00	-7.60	0.80	9.86	8.29	3.06	11.35	-10.64	4.51	9.90	8.29	3.77	12.06
	54	0.00	-7.53	0.80	9.86	8.29	3.13	11.42	-10.57	4.51	9.90	8.29	3.84	12.13
5580	53	0.00	-7.10	0.80	9.87	8.29	3.57	11.86	-9.74	4.46	9.90	8.29	4.62	12.91
	54	0.00	-7.14	0.80	9.87	8.29	3.53	11.82	-9.73	4.46	9.90	8.29	4.63	12.92
5700	53	0.00	-6.55	0.80	9.88	8.29	4.13	12.42	-9.51	4.40	9.92	8.29	4.81	13.10
	54	0.00	-6.54	0.80	9.88	8.29	4.14	12.43	-9.63	4.40	9.92	8.29	4.69	12.98
5720	53	0.00	-6.29	0.80	9.88	8.29	4.39	12.68	-9.59	4.39	9.92	8.29	4.72	13.01
	54	0.00	-6.31	0.80	9.88	8.29	4.37	12.66	-9.72	4.39	9.92	8.29	4.59	12.88
5745	53	0.00	-7.10	0.80	9.88	8.29	3.58	11.87	-9.72	4.38	9.92	8.29	4.58	12.87
	54	0.00	-6.99	0.80	9.88	8.29	3.69	11.98	-9.74	4.38	9.92	8.29	4.56	12.85
5785	53	0.00	-6.47	0.80	9.88	8.29	4.21	12.50	-9.78	4.35	9.93	8.29	4.50	12.79
	54	0.00	-6.40	0.80	9.88	8.29	4.28	12.57	-9.95	4.35	9.93	8.29	4.33	12.62
5825	53	0.00	-6.01	0.80	9.88	8.29	4.67	12.96	-10.26	4.33	9.93	8.29	4.00	12.29
	54	0.00	-5.97	0.80	9.88	8.29	4.71	13.00	-10.45	4.33	9.93	8.29	3.81	12.10

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-20 OFDMA (242-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			1	3	Sum	Result	Limit	Margin	1	3	Sum	Result	Limit	Margin
			[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	18.856	3.01	3.96	6.98	8.44	21.68	13.24	20.32	26.73	47.05	16.73	29.97	13.24
5220	-	18.825	3.45	4.40	7.85	8.95	21.68	12.73	23.28	29.65	52.93	17.24	29.97	12.73
5240	-	18.809	3.64	4.49	8.13	9.10	21.68	12.58	24.55	30.27	54.82	17.39	29.97	12.58
5260	20.232	18.860	5.82	6.93	12.76	11.06	21.68	10.62	39.26	46.77	86.04	19.35	29.97	10.62
5300	20.420	18.830	6.21	6.82	13.03	11.15	21.68	10.53	41.88	46.03	87.91	19.44	29.97	10.53
5320	20.216	18.837	6.27	6.71	12.98	11.13	21.68	10.55	42.27	45.29	87.56	19.42	29.97	10.55
5500	20.456	18.881	5.53	6.05	11.59	10.64	21.68	11.04	37.33	40.83	78.16	18.93	29.97	11.04
5580	20.543	18.843	5.86	7.08	12.94	11.12	21.68	10.56	39.54	47.75	87.29	19.41	29.97	10.56
5700	20.175	18.826	6.46	7.13	13.59	11.33	21.68	10.35	43.55	48.08	91.64	19.62	29.97	10.35
5720	20.283	18.852	6.92	7.08	14.00	11.46	21.68	10.22	46.67	47.75	94.42	19.75	29.97	10.22
5745	-	18.853	5.97	7.45	13.42	11.28	27.71	16.43	40.27	50.23	90.51	19.57	36.00	16.43
5785	-	18.844	6.71	7.18	13.89	11.43	27.71	16.28	45.29	48.42	93.71	19.72	36.00	16.28
5825	-	18.823	7.36	6.46	13.82	11.40	27.71	16.31	49.66	43.55	93.21	19.69	36.00	16.31

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
						Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-5.76	0.70	9.85	8.29	4.79	13.08	-8.47	4.57	9.88	8.29	5.98	14.27
5220	0.00	-5.17	0.70	9.85	8.29	5.38	13.67	-8.00	4.55	9.88	8.29	6.43	14.72
5240	0.00	-4.95	0.70	9.86	8.29	5.61	13.90	-7.91	4.54	9.89	8.29	6.52	14.81
5260	0.00	-2.91	0.70	9.86	8.29	7.65	15.94	-6.01	4.53	9.89	8.29	8.41	16.70
5300	0.00	-2.63	0.70	9.86	8.29	7.93	16.22	-6.06	4.51	9.89	8.29	8.34	16.63
5320	0.00	-2.59	0.70	9.86	8.29	7.97	16.26	-6.12	4.50	9.89	8.29	8.27	16.56
5500	0.00	-3.23	0.80	9.86	8.29	7.43	15.72	-6.59	4.51	9.90	8.29	7.82	16.11
5580	0.00	-2.99	0.80	9.87	8.29	7.68	15.97	-5.86	4.46	9.90	8.29	8.50	16.79
5700	0.00	-2.58	0.80	9.88	8.29	8.10	16.39	-5.79	4.40	9.92	8.29	8.53	16.82
5720	0.00	-2.28	0.80	9.88	8.29	8.40	16.69	-5.81	4.39	9.92	8.29	8.50	16.79
5745	0.00	-2.92	0.80	9.88	8.29	7.76	16.05	-5.58	4.38	9.92	8.29	8.72	17.01
5785	0.00	-2.41	0.80	9.88	8.29	8.27	16.56	-5.72	4.35	9.93	8.29	8.56	16.85
5825	0.00	-2.01	0.80	9.88	8.29	8.67	16.96	-6.16	4.33	9.93	8.29	8.10	16.39

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 19, 2021
Temperature / Humidity 22 deg. C / 46 % RH
Engineer Junya Okuno
Mode Tx 11n-40

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			1	3	Sum	Result	Limit	Margin	1	3	Sum	Result	Limit	Margin
			[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	36.481	3.65	4.56	8.21	9.14	21.68	12.54	24.60	30.76	55.36	17.43	29.97	12.54
5230	-	36.400	3.94	4.85	8.80	9.44	21.68	12.24	26.61	32.73	59.34	17.73	29.97	12.24
5270	40.267	36.358	6.10	7.21	13.31	11.24	21.68	10.44	41.11	48.64	89.76	19.53	29.97	10.44
5310	40.185	36.419	6.25	7.16	13.41	11.28	21.68	10.40	42.17	48.31	90.48	19.57	29.97	10.40
5510	40.450	36.380	5.32	6.47	11.79	10.72	21.68	10.96	35.89	43.65	79.54	19.01	29.97	10.96
5550	40.435	36.434	5.71	6.85	12.57	10.99	21.68	10.69	38.55	46.24	84.79	19.28	29.97	10.69
5670	40.400	36.359	6.43	7.40	13.82	11.41	21.68	10.27	43.35	49.89	93.24	19.70	29.97	10.27
5710	40.082	36.418	6.55	7.16	13.71	11.37	21.68	10.31	44.16	48.31	92.46	19.66	29.97	10.31
5755	-	36.393	6.44	7.13	13.57	11.33	27.71	16.38	43.45	48.08	91.53	19.62	36.00	16.38
5795	-	36.380	6.98	6.61	13.59	11.33	27.71	16.38	47.10	44.57	91.66	19.62	36.00	16.38

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
						Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5190	0.00	-5.19	0.70	10.11	8.29	5.62	13.91	-3.99	0.70	9.88	8.29	6.59	14.88
5230	0.00	-4.84	0.70	10.10	8.29	5.96	14.25	-3.72	0.70	9.88	8.29	6.86	15.15
5270	0.00	-2.95	0.70	10.10	8.29	7.85	16.14	-2.00	0.70	9.88	8.29	8.58	16.87
5310	0.00	-2.84	0.70	10.10	8.29	7.96	16.25	-2.03	0.70	9.88	8.29	8.55	16.84
5510	0.00	-3.64	0.80	10.10	8.29	7.26	15.55	-2.57	0.80	9.88	8.29	8.11	16.40
5550	0.00	-3.33	0.80	10.10	8.29	7.57	15.86	-2.32	0.80	9.88	8.29	8.36	16.65
5670	0.00	-2.83	0.80	10.11	8.29	8.08	16.37	-2.00	0.80	9.89	8.29	8.69	16.98
5710	0.00	-2.75	0.80	10.11	8.29	8.16	16.45	-2.14	0.80	9.89	8.29	8.55	16.84
5755	0.00	-2.82	0.80	10.11	8.29	8.09	16.38	-2.17	0.80	9.90	8.29	8.53	16.82
5795	0.00	-2.48	0.80	10.12	8.29	8.44	16.73	-2.50	0.80	9.90	8.29	8.20	16.49

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 19, 2021
Temperature / Humidity 22 deg. C / 46 % RH
Engineer Junya Okuno
Mode Tx 11ac-40

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5190	-	36.305	3.66	4.53	8.19	9.13	21.68	12.55	24.72	30.55	55.27	17.42	29.97	12.55
5230	-	36.380	3.93	4.88	8.80	9.45	21.68	12.23	26.49	32.89	59.37	17.74	29.97	12.23
5270	40.317	36.319	6.03	7.21	13.24	11.22	21.68	10.46	40.64	48.64	89.29	19.51	29.97	10.46
5310	40.621	36.432	6.27	7.16	13.43	11.28	21.68	10.40	42.27	48.31	90.57	19.57	29.97	10.40
5510	40.101	36.371	5.36	6.41	11.77	10.71	21.68	10.97	36.14	43.25	79.39	19.00	29.97	10.97
5550	40.439	36.288	5.73	6.90	12.63	11.01	21.68	10.67	38.64	46.56	85.20	19.30	29.97	10.67
5670	40.573	36.423	6.43	7.41	13.84	11.41	21.68	10.27	43.35	50.00	93.35	19.70	29.97	10.27
5710	40.085	36.426	6.49	7.10	13.58	11.33	21.68	10.35	43.75	47.86	91.62	19.62	29.97	10.35
5755	-	36.399	6.32	7.18	13.50	11.30	27.71	16.41	42.66	48.42	91.08	19.59	36.00	16.41
5795	-	36.415	6.92	6.64	13.56	11.32	27.71	16.39	46.67	44.77	91.44	19.61	36.00	16.39

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p [dBm]
5190	0.00	-5.17	0.70	10.11	8.29	5.64	13.93	-4.02	0.70	9.88	8.29	6.56	14.85
5230	0.00	-4.86	0.70	10.10	8.29	5.94	14.23	-3.70	0.70	9.88	8.29	6.88	15.17
5270	0.00	-3.00	0.70	10.10	8.29	7.80	16.09	-2.00	0.70	9.88	8.29	8.58	16.87
5310	0.00	-2.83	0.70	10.10	8.29	7.97	16.26	-2.03	0.70	9.88	8.29	8.55	16.84
5510	0.00	-3.61	0.80	10.10	8.29	7.29	15.58	-2.61	0.80	9.88	8.29	8.07	16.36
5550	0.00	-3.32	0.80	10.10	8.29	7.58	15.87	-2.29	0.80	9.88	8.29	8.39	16.68
5670	0.00	-2.83	0.80	10.11	8.29	8.08	16.37	-1.99	0.80	9.89	8.29	8.70	16.99
5710	0.00	-2.79	0.80	10.11	8.29	8.12	16.41	-2.18	0.80	9.89	8.29	8.51	16.80
5755	0.00	-2.90	0.80	10.11	8.29	8.01	16.30	-2.14	0.80	9.90	8.29	8.56	16.85
5795	0.00	-2.52	0.80	10.12	8.29	8.40	16.69	-2.48	0.80	9.90	8.29	8.22	16.51

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 19, 2021
Temperature / Humidity 22 deg. C / 46 % RH
Engineer Junya Okuno
Mode Tx 11ax-40 (OFDM)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5190	-	37.583	3.92	4.90	8.82	9.45	21.68	12.23	26.42	33.04	59.46	17.74	29.97	12.23
5230	-	37.595	4.20	5.16	9.36	9.71	21.68	11.97	28.31	34.83	63.15	18.00	29.97	11.97
5270	40.290	37.549	6.50	7.76	14.26	11.54	21.68	10.14	43.85	52.36	96.21	19.83	29.97	10.14
5310	40.377	37.522	6.76	7.67	14.43	11.59	21.68	10.09	45.60	51.76	97.36	19.88	29.97	10.09
5510	40.144	37.606	5.73	6.95	12.68	11.03	21.68	10.65	38.64	46.88	85.52	19.32	29.97	10.65
5550	39.991	37.636	6.14	7.38	13.52	11.31	21.68	10.37	41.40	49.77	91.17	19.60	29.97	10.37
5670	40.091	37.532	6.93	7.94	14.88	11.73	21.68	9.95	46.77	53.58	100.35	20.02	29.97	9.95
5710	40.415	37.563	7.11	7.76	14.87	11.72	21.68	9.96	47.97	52.36	100.33	20.01	29.97	9.96
5755	-	37.572	6.92	7.76	14.68	11.67	27.71	16.04	46.67	52.36	99.03	19.96	36.00	16.04
5795	-	37.573	7.36	7.16	14.52	11.62	27.71	16.09	49.66	48.31	97.97	19.91	36.00	16.09

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5190	0.00	-4.88	0.70	10.11	8.29	5.93	14.22	-3.68	0.70	9.88	8.29	6.90	15.19
5230	0.00	-4.57	0.70	10.10	8.29	6.23	14.52	-3.45	0.70	9.88	8.29	7.13	15.42
5270	0.00	-2.67	0.70	10.10	8.29	8.13	16.42	-1.68	0.70	9.88	8.29	8.90	17.19
5310	0.00	-2.50	0.70	10.10	8.29	8.30	16.59	-1.73	0.70	9.88	8.29	8.85	17.14
5510	0.00	-3.32	0.80	10.10	8.29	7.58	15.87	-2.26	0.80	9.88	8.29	8.42	16.71
5550	0.00	-3.02	0.80	10.10	8.29	7.88	16.17	-2.00	0.80	9.88	8.29	8.68	16.97
5670	0.00	-2.50	0.80	10.11	8.29	8.41	16.70	-1.69	0.80	9.89	8.29	9.00	17.29
5710	0.00	-2.39	0.80	10.11	8.29	8.52	16.81	-1.79	0.80	9.89	8.29	8.90	17.19
5755	0.00	-2.51	0.80	10.11	8.29	8.40	16.69	-1.80	0.80	9.90	8.29	8.90	17.19
5795	0.00	-2.25	0.80	10.12	8.29	8.67	16.96	-2.15	0.80	9.90	8.29	8.55	16.84

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-40 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
				1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5190	0	-	18.621	0.16	0.20	0.36	-4.42	21.68	26.10	1.06	1.38	2.44	3.87	29.97	26.10
	8	-	23.758	0.21	0.26	0.47	-3.24	21.68	24.92	1.42	1.78	3.20	5.05	29.97	24.92
	17	-	18.742	0.17	0.22	0.39	-4.10	21.68	25.78	1.17	1.45	2.62	4.19	29.97	25.78
5230	0	-	18.588	0.18	0.23	0.41	-3.84	21.68	25.52	1.23	1.56	2.78	4.45	29.97	25.52
	8	-	23.850	0.24	0.29	0.53	-2.73	21.68	24.41	1.63	1.97	3.60	5.56	29.97	24.41
	17	-	18.715	0.20	0.22	0.42	-3.75	21.68	25.43	1.33	1.52	2.84	4.54	29.97	25.43
5270	0	19.886	18.609	0.26	0.31	0.57	-2.46	21.68	24.14	1.77	2.07	3.83	5.83	29.97	24.14
	8	24.049	23.700	0.34	0.39	0.73	-1.36	21.68	23.04	2.31	2.62	4.93	6.93	29.97	23.04
	17	19.826	18.749	0.27	0.30	0.57	-2.44	21.68	24.12	1.85	2.00	3.85	5.85	29.97	24.12
5310	0	19.821	18.548	0.28	0.31	0.59	-2.26	21.68	23.94	1.91	2.10	4.01	6.03	29.97	23.94
	8	23.884	23.692	0.36	0.39	0.75	-1.24	21.68	22.92	2.46	2.61	5.07	7.05	29.97	22.92
	17	19.821	18.761	0.29	0.30	0.58	-2.35	21.68	24.03	1.92	2.00	3.92	5.94	29.97	24.03

			Antenna 1						Antenna 3					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.
							[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]
5190	0	0.00	-18.59	0.70	9.85	8.29	-8.04	0.25	-21.34	4.57	9.88	8.29	-6.89	1.40
	8	0.00	-17.33	0.70	9.85	8.29	-6.78	1.51	-20.23	4.57	9.88	8.29	-5.78	2.51
	17	0.00	-18.16	0.70	9.85	8.29	-7.61	0.68	-21.12	4.57	9.88	8.29	-6.67	1.62
5230	0	0.00	-17.95	0.70	9.85	8.29	-7.40	0.89	-20.80	4.55	9.88	8.29	-6.37	1.92
	8	0.00	-16.73	0.70	9.85	8.29	-6.18	2.11	-19.77	4.55	9.88	8.29	-5.34	2.95
	17	0.00	-17.61	0.70	9.85	8.29	-7.06	1.23	-20.91	4.55	9.88	8.29	-6.48	1.81
5270	0	0.00	-16.38	0.70	9.86	8.29	-5.82	2.47	-19.56	4.53	9.89	8.29	-5.14	3.15
	8	0.00	-15.21	0.70	9.86	8.29	-4.65	3.64	-18.53	4.53	9.89	8.29	-4.11	4.18
	17	0.00	-16.19	0.70	9.86	8.29	-5.63	2.66	-19.69	4.53	9.89	8.29	-5.27	3.02
5310	0	0.00	-16.03	0.70	9.86	8.29	-5.47	2.82	-19.47	4.51	9.89	8.29	-5.07	3.22
	8	0.00	-14.94	0.70	9.86	8.29	-4.38	3.91	-18.53	4.51	9.89	8.29	-4.13	4.16
	17	0.00	-16.01	0.70	9.86	8.29	-5.45	2.84	-19.68	4.51	9.89	8.29	-5.28	3.01

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-40 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5510	0	19.895	18.621	0.22	0.28	0.50	-3.00	21.68	24.68	1.49	1.89	3.38	5.29	29.97	24.68
	8	24.267	23.827	0.29	0.38	0.67	-1.77	21.68	23.45	1.95	2.54	4.49	6.52	29.97	23.45
	17	19.869	18.733	0.23	0.31	0.54	-2.69	21.68	24.37	1.56	2.07	3.63	5.60	29.97	24.37
5550	0	19.820	18.587	0.23	0.27	0.49	-3.08	21.68	24.76	1.53	1.79	3.32	5.21	29.97	24.76
	8	24.391	23.835	0.29	0.35	0.64	-1.92	21.68	23.60	1.95	2.38	4.33	6.37	29.97	23.60
	17	19.742	18.771	0.23	0.29	0.52	-2.87	21.66	24.53	1.55	1.94	3.49	5.42	29.97	24.55
5670	0	19.811	18.558	0.27	0.32	0.60	-2.24	21.67	23.91	1.85	2.18	4.03	6.05	29.97	23.92
	8	24.189	23.701	0.34	0.40	0.74	-1.28	21.68	22.96	2.32	2.70	5.02	7.01	29.97	22.96
	17	19.831	18.841	0.28	0.30	0.58	-2.39	21.68	24.07	1.86	2.03	3.89	5.90	29.97	24.07
5710	0	19.871	18.543	0.29	0.32	0.60	-2.19	21.68	23.87	1.93	2.14	4.07	6.10	29.97	23.87
	8	23.867	23.720	0.36	0.40	0.76	-1.21	21.68	22.89	2.44	2.67	5.10	7.08	29.97	22.89
	17	19.834	18.865	0.28	0.30	0.58	-2.37	21.68	24.05	1.92	1.99	3.91	5.92	29.97	24.05
5755	0	-	18.605	0.23	0.30	0.53	-2.79	27.71	30.50	1.54	2.01	3.55	5.50	36.00	30.50
	8	-	23.675	0.30	0.38	0.68	-1.68	27.71	29.39	2.02	2.56	4.58	6.61	36.00	29.39
	17	-	18.775	0.26	0.29	0.55	-2.63	27.71	30.34	1.73	1.95	3.68	5.66	36.00	30.34
5795	0	-	18.561	0.27	0.32	0.59	-2.29	27.71	30.00	1.85	2.13	3.98	6.00	36.00	30.00
	8	-	23.497	0.37	0.38	0.75	-1.27	27.71	28.98	2.48	2.55	5.04	7.02	36.00	28.98
	17	-	18.812	0.30	0.28	0.58	-2.38	27.71	30.09	2.00	1.89	3.90	5.91	36.00	30.09

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Antenna 1					Antenna 3					Result	
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5510	0	0.00	-17.22	0.80	9.86	8.29	-6.56	1.73	-19.93	4.50	9.90	8.29	-5.53	2.76
	8	0.00	-16.05	0.80	9.86	8.29	-5.39	2.90	-18.64	4.50	9.90	8.29	-4.24	4.05
	17	0.00	-17.03	0.80	9.86	8.29	-6.37	1.92	-19.52	4.50	9.90	8.29	-5.12	3.17
5550	0	0.00	-17.11	0.80	9.86	8.29	-6.45	1.84	-20.14	4.48	9.90	8.29	-5.76	2.53
	8	0.00	-16.05	0.80	9.86	8.29	-5.39	2.90	-18.90	4.48	9.90	8.29	-4.52	3.77
	17	0.00	-17.05	0.80	9.86	8.29	-6.39	1.90	-19.80	4.48	9.90	8.29	-5.42	2.87
5670	0	0.00	-16.29	0.80	9.87	8.29	-5.62	2.67	-19.23	4.41	9.91	8.29	-4.91	3.38
	8	0.00	-15.30	0.80	9.87	8.29	-4.63	3.66	-18.30	4.41	9.91	8.29	-3.98	4.31
	17	0.00	-16.26	0.80	9.87	8.29	-5.59	2.70	-19.53	4.41	9.91	8.29	-5.21	3.08
5710	0	0.00	-16.11	0.80	9.88	8.29	-5.43	2.86	-19.30	4.39	9.92	8.29	-4.99	3.30
	8	0.00	-15.10	0.80	9.88	8.29	-4.42	3.87	-18.34	4.39	9.92	8.29	-4.03	4.26
	17	0.00	-16.14	0.80	9.88	8.29	-5.46	2.83	-19.61	4.39	9.92	8.29	-5.30	2.99
5755	0	0.00	-17.10	0.80	9.88	8.29	-6.42	1.87	-19.55	4.37	9.92	8.29	-5.26	3.03
	8	0.00	-15.91	0.80	9.88	8.29	-5.23	3.06	-18.50	4.37	9.92	8.29	-4.21	4.08
	17	0.00	-16.58	0.80	9.88	8.29	-5.90	2.39	-19.69	4.37	9.92	8.29	-5.40	2.89
5795	0	0.00	-16.29	0.80	9.88	8.29	-5.61	2.68	-19.29	4.35	9.93	8.29	-5.01	3.28
	8	0.00	-15.02	0.80	9.88	8.29	-4.34	3.95	-18.50	4.35	9.93	8.29	-4.22	4.07
	17	0.00	-15.95	0.80	9.88	8.29	-5.27	3.02	-19.80	4.35	9.93	8.29	-5.52	2.77

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

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Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-40 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	37	-	18.262	0.39	0.48	0.87	-0.59	21.68	22.27	2.62	3.27	5.89	7.70	29.97	22.27
	40	-	22.438	0.44	0.54	0.99	-0.06	21.68	21.74	3.00	3.66	6.66	8.23	29.97	21.74
	44	-	18.322	0.42	0.52	0.94	-0.25	21.68	21.93	2.86	3.51	6.37	8.04	29.97	21.93
5230	37	-	18.274	0.45	0.55	0.99	-0.02	21.68	21.70	3.01	3.70	6.71	8.27	29.97	21.70
	40	-	22.345	0.51	0.60	1.10	0.43	21.68	21.25	3.42	4.03	7.45	8.72	29.97	21.25
	44	-	18.323	0.48	0.54	1.02	0.07	21.68	21.61	3.21	3.65	6.85	8.36	29.97	21.61
5270	37	19.910	18.252	0.63	0.73	1.36	1.32	21.68	20.36	4.25	4.90	9.14	9.61	29.97	20.36
	40	24.708	22.479	0.70	0.81	1.51	1.80	21.68	19.88	4.75	5.45	10.20	10.09	29.97	19.88
	44	19.857	18.336	0.66	0.71	1.37	1.37	21.68	20.31	4.44	4.81	9.24	9.66	29.97	20.31
5310	37	19.911	18.231	0.68	0.73	1.41	1.48	21.68	20.20	4.56	4.92	9.48	9.77	29.97	20.20
	40	24.808	22.176	0.75	0.80	1.55	1.90	21.68	19.78	5.05	5.40	10.44	10.19	29.97	19.78
	44	19.885	18.368	0.69	0.71	1.40	1.46	21.68	20.22	4.63	4.80	9.43	9.75	29.97	20.22

Tested Frequency [MHz]	RU Index	Duty Factor	Antenna 1						Antenna 3					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5190	37	0.00	-14.65	0.70	9.85	8.29	-4.10	4.19	-17.60	4.57	9.88	8.29	-3.15	5.14
	40	0.00	-14.07	0.70	9.85	8.29	-3.52	4.77	-17.11	4.57	9.88	8.29	-2.66	5.63
	44	0.00	-14.28	0.70	9.85	8.29	-3.73	4.56	-17.29	4.57	9.88	8.29	-2.84	5.45
5230	37	0.00	-14.05	0.70	9.85	8.29	-3.50	4.79	-17.04	4.55	9.88	8.29	-2.61	5.68
	40	0.00	-13.50	0.70	9.85	8.29	-2.95	5.34	-16.67	4.55	9.88	8.29	-2.24	6.05
	44	0.00	-13.78	0.70	9.85	8.29	-3.23	5.06	-17.10	4.55	9.88	8.29	-2.67	5.62
5270	37	0.00	-12.57	0.70	9.86	8.29	-2.01	6.28	-15.81	4.53	9.89	8.29	-1.39	6.90
	40	0.00	-12.08	0.70	9.86	8.29	-1.52	6.77	-15.35	4.53	9.89	8.29	-0.93	7.36
	44	0.00	-12.38	0.70	9.86	8.29	-1.82	6.47	-15.89	4.53	9.89	8.29	-1.47	6.82
5310	37	0.00	-12.26	0.70	9.86	8.29	-1.70	6.59	-15.77	4.51	9.89	8.29	-1.37	6.92
	40	0.00	-11.82	0.70	9.86	8.29	-1.26	7.03	-15.37	4.51	9.89	8.29	-0.97	7.32
	44	0.00	-12.19	0.70	9.86	8.29	-1.63	6.66	-15.88	4.51	9.89	8.29	-1.48	6.81

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-40 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
				1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5510	37	19.918	18.243	0.52	0.58	1.10	0.42	21.68	21.26	3.49	3.94	7.44	8.71	29.97	21.26
	40	25.002	22.548	0.58	0.65	1.23	0.91	21.68	20.77	3.91	4.41	8.31	9.20	29.97	20.77
	44	19.796	18.317	0.54	0.64	1.17	0.70	21.67	20.97	3.62	4.30	7.92	8.99	29.97	20.98
5550	37	19.814	18.261	0.56	0.65	1.21	0.82	21.67	20.85	3.76	4.39	8.14	9.11	29.97	20.86
	40	25.106	22.410	0.62	0.75	1.37	1.37	21.68	20.31	4.17	5.07	9.24	9.66	29.97	20.31
	44	19.825	18.331	0.57	0.71	1.28	1.07	21.68	20.61	3.85	4.79	8.63	9.36	29.97	20.61
5670	37	19.948	18.227	0.67	0.77	1.44	1.58	21.68	20.10	4.51	5.20	9.71	9.87	29.97	20.10
	40	24.354	22.296	0.74	0.85	1.59	2.00	21.68	19.68	4.97	5.73	10.69	10.29	29.97	19.68
	44	19.842	18.389	0.67	0.73	1.41	1.48	21.68	20.20	4.55	4.93	9.48	9.77	29.97	20.20
5710	37	19.992	18.222	0.70	0.76	1.47	1.66	21.68	20.02	4.75	5.13	9.88	9.95	29.97	20.02
	40	24.691	22.376	0.78	0.81	1.59	2.02	21.68	19.66	5.25	5.50	10.74	10.31	29.97	19.66
	44	19.841	18.373	0.71	0.72	1.43	1.54	21.68	20.14	4.78	4.84	9.62	9.83	29.97	20.14
5755	37	-	18.229	0.57	0.71	1.28	1.07	27.71	26.64	3.83	4.80	8.63	9.36	36.00	26.64
	40	-	22.429	0.67	0.78	1.44	1.60	27.71	26.11	4.50	5.25	9.75	9.89	36.00	26.11
	44	-	18.375	0.64	0.69	1.33	1.23	27.71	26.48	4.32	4.63	8.95	9.52	36.00	26.48
5795	37	-	18.231	0.69	0.69	1.38	1.39	27.71	26.32	4.62	4.67	9.29	9.68	36.00	26.32
	40	-	22.167	0.79	0.73	1.52	1.81	27.71	25.90	5.33	4.90	10.23	10.10	36.00	25.90
	44	-	18.391	0.75	0.63	1.38	1.40	27.71	26.31	5.08	4.23	9.31	9.69	36.00	26.31

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Antenna 1						Antenna 3					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]
			[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5510	37	0.00	-13.52	0.80	9.86	8.29	-2.86	5.43	-16.73	4.50	9.90	8.29	-2.33	5.96
	40	0.00	-13.03	0.80	9.86	8.29	-2.37	5.92	-16.25	4.50	9.90	8.29	-1.85	6.44
	44	0.00	-13.36	0.80	9.86	8.29	-2.70	5.59	-16.36	4.50	9.90	8.29	-1.96	6.33
5550	37	0.00	-13.20	0.80	9.86	8.29	-2.54	5.75	-16.25	4.48	9.90	8.29	-1.87	6.42
	40	0.00	-12.75	0.80	9.86	8.29	-2.09	6.20	-15.62	4.48	9.90	8.29	-1.24	7.05
	44	0.00	-13.10	0.80	9.86	8.29	-2.44	5.85	-15.87	4.48	9.90	8.29	-1.49	6.80
5670	37	0.00	-12.42	0.80	9.87	8.29	-1.75	6.54	-15.45	4.41	9.91	8.29	-1.13	7.16
	40	0.00	-12.00	0.80	9.87	8.29	-1.33	6.96	-15.03	4.41	9.91	8.29	-0.71	7.58
	44	0.00	-12.38	0.80	9.87	8.29	-1.71	6.58	-15.68	4.41	9.91	8.29	-1.36	6.93
5710	37	0.00	-12.20	0.80	9.88	8.29	-1.52	6.77	-15.50	4.39	9.92	8.29	-1.19	7.10
	40	0.00	-11.77	0.80	9.88	8.29	-1.09	7.20	-15.20	4.39	9.92	8.29	-0.89	7.40
	44	0.00	-12.18	0.80	9.88	8.29	-1.50	6.79	-15.75	4.39	9.92	8.29	-1.44	6.85
5755	37	0.00	-13.14	0.80	9.88	8.29	-2.46	5.83	-15.77	4.37	9.92	8.29	-1.48	6.81
	40	0.00	-12.44	0.80	9.88	8.29	-1.76	6.53	-15.38	4.37	9.92	8.29	-1.09	7.20
	44	0.00	-12.62	0.80	9.88	8.29	-1.94	6.35	-15.92	4.37	9.92	8.29	-1.63	6.66
5795	37	0.00	-12.32	0.80	9.88	8.29	-1.64	6.65	-15.88	4.35	9.93	8.29	-1.60	6.69
	40	0.00	-11.70	0.80	9.88	8.29	-1.02	7.27	-15.67	4.35	9.93	8.29	-1.39	6.90
	44	0.00	-11.91	0.80	9.88	8.29	-1.23	7.06	-16.31	4.35	9.93	8.29	-2.03	6.26

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-40 OFDMA (106-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	53	-	18.154	0.80	1.01	1.81	2.58	21.68	19.10	5.38	6.82	12.21	10.87	29.97	19.10
	54	-	22.049	0.91	1.28	2.20	3.42	21.68	18.26	6.17	8.65	14.82	11.71	29.97	18.26
	56	-	18.184	0.86	1.07	1.93	2.85	21.68	18.83	5.82	7.19	13.02	11.14	29.97	18.83
5230	53	-	18.157	0.92	1.12	2.04	3.09	21.68	18.59	6.18	7.57	13.75	11.38	29.97	18.59
	54	-	21.734	1.04	1.26	2.31	3.63	21.68	18.05	7.05	8.51	15.56	11.92	29.97	18.05
	56	-	18.244	0.97	1.11	2.08	3.18	21.68	18.50	6.52	7.52	14.03	11.47	29.97	18.50
5270	53	20.300	18.104	1.30	1.51	2.81	4.48	21.68	17.20	8.77	10.16	18.93	12.77	29.97	17.20
	54	26.363	21.936	1.47	1.66	3.13	4.95	21.68	16.73	9.89	11.22	21.11	13.24	29.97	16.73
	56	20.599	18.272	1.36	1.45	2.81	4.49	21.68	17.19	9.18	9.79	18.98	12.78	29.97	17.19
5310	53	20.272	18.117	1.39	1.48	2.87	4.58	21.68	17.10	9.38	9.98	19.35	12.87	29.97	17.10
	54	26.279	21.776	1.57	1.66	3.24	5.10	21.68	16.58	10.62	11.22	21.84	13.39	29.97	16.58
	56	20.367	18.235	1.39	1.45	2.84	4.53	21.68	17.15	9.38	9.75	19.13	12.82	29.97	17.15

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	
5190	53	0.00	-11.53	0.70	9.85	8.29	-0.98	7.31	-14.40	4.57	9.88	8.29	0.05	8.34	
	54	0.00	-10.94	0.70	9.85	8.29	-0.39	7.90	-13.37	4.57	9.88	8.29	1.08	9.37	
	56	0.00	-11.19	0.70	9.85	8.29	-0.64	7.65	-14.17	4.57	9.88	8.29	0.28	8.57	
5230	53	0.00	-10.93	0.70	9.85	8.29	-0.38	7.91	-13.93	4.55	9.88	8.29	0.50	8.79	
	54	0.00	-10.36	0.70	9.85	8.29	0.19	8.48	-13.42	4.55	9.88	8.29	1.01	9.30	
	56	0.00	-10.70	0.70	9.85	8.29	-0.15	8.14	-13.96	4.55	9.88	8.29	0.47	8.76	
5270	53	0.00	-9.42	0.70	9.86	8.29	1.14	9.43	-12.64	4.53	9.89	8.29	1.78	10.07	
	54	0.00	-8.90	0.70	9.86	8.29	1.66	9.95	-12.21	4.53	9.89	8.29	2.21	10.50	
	56	0.00	-9.22	0.70	9.86	8.29	1.34	9.63	-12.80	4.53	9.89	8.29	1.62	9.91	
5310	53	0.00	-9.13	0.70	9.86	8.29	1.43	9.72	-12.70	4.51	9.89	8.29	1.70	9.99	
	54	0.00	-8.59	0.70	9.86	8.29	1.97	10.26	-12.19	4.51	9.89	8.29	2.21	10.50	
	56	0.00	-9.13	0.70	9.86	8.29	1.43	9.72	-12.80	4.51	9.89	8.29	1.60	9.89	

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-40 OFDMA (106-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
				1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5510	53	20.284	18.181	1.06	1.20	2.26	3.54	21.68	18.14	7.16	8.09	15.25	11.83	29.97	18.14
	54	27.097	22.012	1.21	1.40	2.60	4.16	21.68	17.52	8.15	9.42	17.57	12.45	29.97	17.52
	56	20.668	18.207	1.09	1.29	2.39	3.78	21.68	17.90	7.38	8.73	16.11	12.07	29.97	17.90
5550	53	20.351	18.159	1.14	1.36	2.50	3.97	21.68	17.71	7.69	9.14	16.83	12.26	29.97	17.71
	54	26.377	22.034	1.28	1.56	2.84	4.53	21.68	17.15	8.61	10.54	19.15	12.82	29.97	17.15
	56	20.662	18.243	1.17	1.44	2.61	4.16	21.68	17.52	7.89	9.71	17.59	12.45	29.97	17.52
5670	53	20.213	18.084	1.38	1.59	2.97	4.72	21.68	16.96	9.29	10.72	20.00	13.01	29.97	16.96
	54	26.505	21.883	1.53	1.76	3.29	5.17	21.68	16.51	10.33	11.86	22.19	13.46	29.97	16.51
	56	20.591	18.266	1.38	1.51	2.89	4.61	21.68	17.07	9.33	10.16	19.50	12.90	29.97	17.07
5710	53	20.188	18.115	1.44	1.57	3.01	4.78	21.68	16.90	9.73	10.57	20.30	13.07	29.97	16.90
	54	25.433	21.850	1.63	1.74	3.37	5.28	21.68	16.40	10.99	11.75	22.74	13.57	29.97	16.40
	56	20.808	18.281	1.46	1.48	2.94	4.68	21.68	17.00	9.86	9.95	19.82	12.97	29.97	17.00
5755	53	-	18.113	1.15	1.44	2.59	4.13	27.71	23.58	7.73	9.73	17.45	12.42	36.00	23.58
	54	-	21.817	1.32	1.62	2.94	4.68	27.71	23.03	8.91	10.91	19.83	12.97	36.00	23.03
	56	-	18.233	1.26	1.42	2.68	4.28	27.71	23.43	8.53	9.55	18.08	12.57	36.00	23.43
5795	53	-	18.104	1.37	1.39	2.76	4.41	27.71	23.30	9.25	9.38	18.62	12.70	36.00	23.30
	54	-	21.809	1.57	1.53	3.10	4.91	27.71	22.80	10.57	10.33	20.90	13.20	36.00	22.80
	56	-	18.277	1.45	1.27	2.71	4.33	27.71	23.38	9.75	8.55	18.30	12.62	36.00	23.38

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Antenna 1						Antenna 3					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5510	53	0.00	-10.40	0.80	9.86	8.29	0.26	8.55	-13.61	4.50	9.90	8.29	0.79	9.08
	54	0.00	-9.84	0.80	9.86	8.29	0.82	9.11	-12.95	4.50	9.90	8.29	1.45	9.74
	56	0.00	-10.27	0.80	9.86	8.29	0.39	8.68	-13.28	4.50	9.90	8.29	1.12	9.41
5550	53	0.00	-10.09	0.80	9.86	8.29	0.57	8.86	-13.06	4.48	9.90	8.29	1.32	9.61
	54	0.00	-9.60	0.80	9.86	8.29	1.06	9.35	-12.44	4.48	9.90	8.29	1.94	10.23
	56	0.00	-9.98	0.80	9.86	8.29	0.68	8.97	-12.80	4.48	9.90	8.29	1.58	9.87
5670	53	0.00	-9.28	0.80	9.87	8.29	1.39	9.68	-12.31	4.41	9.91	8.29	2.01	10.30
	54	0.00	-8.82	0.80	9.87	8.29	1.85	10.14	-11.87	4.41	9.91	8.29	2.45	10.74
	56	0.00	-9.26	0.80	9.87	8.29	1.41	9.70	-12.54	4.41	9.91	8.29	1.78	10.07
5710	53	0.00	-9.09	0.80	9.88	8.29	1.59	9.88	-12.36	4.39	9.92	8.29	1.95	10.24
	54	0.00	-8.56	0.80	9.88	8.29	2.12	10.41	-11.90	4.39	9.92	8.29	2.41	10.70
	56	0.00	-9.03	0.80	9.88	8.29	1.65	9.94	-12.62	4.39	9.92	8.29	1.69	9.98
5755	53	0.00	-10.09	0.80	9.88	8.29	0.59	8.88	-12.70	4.37	9.92	8.29	1.59	9.88
	54	0.00	-9.47	0.80	9.88	8.29	1.21	9.50	-12.20	4.37	9.92	8.29	2.09	10.38
	56	0.00	-9.66	0.80	9.88	8.29	1.02	9.31	-12.78	4.37	9.92	8.29	1.51	9.80
5795	53	0.00	-9.31	0.80	9.88	8.29	1.37	9.66	-12.85	4.35	9.93	8.29	1.43	9.72
	54	0.00	-8.73	0.80	9.88	8.29	1.95	10.24	-12.43	4.35	9.93	8.29	1.85	10.14
	56	0.00	-9.08	0.80	9.88	8.29	1.60	9.89	-13.25	4.35	9.93	8.29	1.03	9.32

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-40 OFDMA (242-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power							e.i.r.p.						
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
				1	3	Sum				1	3	Sum					
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	
5190	61	-	20.917	1.96	2.55	4.51	6.54	21.68	15.14	13.24	17.18	30.42	14.83	29.97	15.14		
	62	-	20.666	2.06	2.59	4.65	6.67	21.68	15.01	13.87	17.50	31.37	14.96	29.97	15.01		
5230	61	-	21.187	2.22	2.79	5.01	7.00	21.68	14.68	14.96	18.84	33.80	15.29	29.97	14.68		
	62	-	20.754	2.29	2.77	5.06	7.05	21.68	14.63	15.45	18.71	34.16	15.34	29.97	14.63		
5270	61	29.249	20.951	3.16	3.75	6.90	8.39	21.68	13.29	21.28	25.29	46.57	16.68	29.97	13.29		
	62	27.590	20.766	3.21	3.75	6.96	8.42	21.68	13.26	21.63	25.29	46.92	16.71	29.97	13.26		
5310	61	28.052	20.966	3.38	3.80	7.18	8.56	21.68	13.12	22.80	25.64	48.45	16.85	29.97	13.12		
	62	27.340	20.883	3.37	3.74	7.11	8.52	21.68	13.16	22.70	25.23	47.93	16.81	29.97	13.16		
5510	61	30.001	21.198	2.65	3.09	5.74	7.59	21.68	14.09	17.91	20.84	38.75	15.88	29.97	14.09		
	62	28.960	20.697	2.66	3.26	5.92	7.72	21.68	13.96	17.95	21.98	39.93	16.01	29.97	13.96		
5550	61	29.539	21.178	2.82	3.48	6.30	7.99	21.68	13.69	19.01	23.50	42.51	16.28	29.97	13.69		
	62	27.409	20.713	2.80	3.61	6.41	8.07	21.68	13.61	18.88	24.38	43.26	16.36	29.97	13.61		
5670	61	28.708	21.094	3.21	4.07	7.29	8.63	21.68	13.05	21.68	27.48	49.16	16.92	29.97	13.05		
	62	28.259	20.826	3.20	3.85	7.05	8.48	21.68	13.20	21.58	26.00	47.58	16.77	29.97	13.20		
5710	61	27.924	20.679	3.33	3.91	7.24	8.60	21.68	13.08	22.49	26.36	48.85	16.89	29.97	13.08		
	62	27.368	20.895	3.32	3.78	7.09	8.51	21.68	13.17	22.39	25.47	47.86	16.80	29.97	13.17		
5755	61	-	20.718	3.01	3.78	6.80	8.32	27.71	19.39	20.32	25.53	45.85	16.61	36.00	19.39		
	62	-	20.854	3.18	3.63	6.81	8.33	27.71	19.38	21.48	24.49	45.97	16.62	36.00	19.38		
5795	61	-	20.942	3.44	3.57	7.02	8.46	27.71	19.25	23.23	24.10	47.33	16.75	36.00	19.25		
	62	-	21.177	3.56	3.36	6.91	8.40	27.71	19.31	23.99	22.65	46.63	16.69	36.00	19.31		

		Antenna 1							Antenna 3						
Tested Frequency	RU Index	Duty Factor	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	
5190	61	0.00	-7.62	0.70	9.85	8.29	2.93	11.22	-10.39	4.57	9.88	8.29	4.06	12.35	
	62	0.00	-7.42	0.70	9.85	8.29	3.13	11.42	-10.31	4.57	9.88	8.29	4.14	12.43	
5230	61	0.00	-7.09	0.70	9.85	8.29	3.46	11.75	-9.97	4.55	9.88	8.29	4.46	12.75	
	62	0.00	-6.95	0.70	9.85	8.29	3.60	11.89	-10.00	4.55	9.88	8.29	4.43	12.72	
5270	61	0.00	-5.57	0.70	9.86	8.29	4.99	13.28	-8.68	4.53	9.89	8.29	5.74	14.03	
	62	0.00	-5.50	0.70	9.86	8.29	5.06	13.35	-8.68	4.53	9.89	8.29	5.74	14.03	
5310	61	0.00	-5.27	0.70	9.86	8.29	5.29	13.58	-8.60	4.51	9.89	8.29	5.80	14.09	
	62	0.00	-5.29	0.70	9.86	8.29	5.27	13.56	-8.67	4.51	9.89	8.29	5.73	14.02	
5510	61	0.00	-6.42	0.80	9.86	8.29	4.24	12.53	-9.50	4.50	9.90	8.29	4.90	13.19	
	62	0.00	-6.41	0.80	9.86	8.29	4.25	12.54	-9.27	4.50	9.90	8.29	5.13	13.42	
5550	61	0.00	-6.16	0.80	9.86	8.29	4.50	12.79	-8.96	4.48	9.90	8.29	5.42	13.71	
	62	0.00	-6.19	0.80	9.86	8.29	4.47	12.76	-8.80	4.48	9.90	8.29	5.58	13.87	
5670	61	0.00	-5.60	0.80	9.87	8.29	5.07	13.36	-8.22	4.41	9.91	8.29	6.10	14.39	
	62	0.00	-5.62	0.80	9.87	8.29	5.05	13.34	-8.46	4.41	9.91	8.29	5.86	14.15	
5710	61	0.00	-5.45	0.80	9.88	8.29	5.23	13.52	-8.39	4.39	9.92	8.29	5.92	14.21	
	62	0.00	-5.47	0.80	9.88	8.29	5.21	13.50	-8.54	4.39	9.92	8.29	5.77	14.06	
5755	61	0.00	-5.89	0.80	9.88	8.29	4.79	13.08	-8.51	4.37	9.92	8.29	5.78	14.07	
	62	0.00	-5.65	0.80	9.88	8.29	5.03	13.32	-8.69	4.37	9.92	8.29	5.60	13.89	
5795	61	0.00	-5.31	0.80	9.88	8.29	5.37	13.66	-8.75	4.35	9.93	8.29	5.53	13.82	
	62	0.00	-5.17	0.80	9.88	8.29	5.51	13.80	-9.02	4.35	9.93	8.29	5.26	13.55	

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-40 OFDMA (484-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5190	-	37.591	3.13	4.10	7.24	8.59	21.68	13.09	21.13	27.67	48.80	16.88	29.97	13.09
5230	-	37.572	3.52	4.48	7.99	9.03	21.68	12.65	23.71	30.20	53.91	17.32	29.97	12.65
5270	40.084	37.646	5.86	6.92	12.78	11.07	21.68	10.61	39.54	46.67	86.20	19.36	29.97	10.61
5310	40.604	37.656	6.15	6.81	12.96	11.13	21.68	10.55	41.50	45.92	87.42	19.42	29.97	10.55
5510	40.641	37.543	5.57	6.17	11.74	10.70	21.68	10.98	37.58	41.59	79.17	18.99	29.97	10.98
5550	40.294	37.588	5.77	6.75	12.51	10.97	21.68	10.71	38.90	45.50	84.40	19.26	29.97	10.71
5670	40.450	37.558	6.19	7.18	13.37	11.26	21.68	10.42	41.78	48.42	90.20	19.55	29.97	10.42
5710	40.834	37.622	6.44	7.00	13.44	11.28	21.68	10.40	43.45	47.21	90.66	19.57	29.97	10.40
5755	-	37.622	6.05	7.57	13.62	11.34	27.71	16.37	40.83	51.05	91.88	19.63	36.00	16.37
5795	-	37.563	6.70	6.81	13.51	11.31	27.71	16.40	45.19	45.92	91.11	19.60	36.00	16.40

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p
						[dBm]	[dBm]					[dBm]	[dBm]
5190	0.00	-5.59	0.70	9.85	8.29	4.96	13.25	-8.32	4.57	9.88	8.29	6.13	14.42
5230	0.00	-5.09	0.70	9.85	8.29	5.46	13.75	-7.92	4.55	9.88	8.29	6.51	14.80
5270	0.00	-2.88	0.70	9.86	8.29	7.68	15.97	-6.02	4.53	9.89	8.29	8.40	16.69
5310	0.00	-2.67	0.70	9.86	8.29	7.89	16.18	-6.07	4.51	9.89	8.29	8.33	16.62
5510	0.00	-3.20	0.80	9.86	8.29	7.46	15.75	-6.50	4.50	9.90	8.29	7.90	16.19
5550	0.00	-3.05	0.80	9.86	8.29	7.61	15.90	-6.09	4.48	9.90	8.29	8.29	16.58
5670	0.00	-2.75	0.80	9.87	8.29	7.92	16.21	-5.76	4.41	9.91	8.29	8.56	16.85
5710	0.00	-2.59	0.80	9.88	8.29	8.09	16.38	-5.86	4.39	9.92	8.29	8.45	16.74
5755	0.00	-2.86	0.80	9.88	8.29	7.82	16.11	-5.50	4.37	9.92	8.29	8.79	17.08
5795	0.00	-2.42	0.80	9.88	8.29	8.26	16.55	-5.95	4.35	9.93	8.29	8.33	16.62

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 19, 2021
Temperature / Humidity 22 deg. C / 46 % RH
Engineer Junya Okuno
Mode Tx 11ac-80

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5210	-	76.135	3.88	4.83	8.71	9.40	21.68	12.28	26.18	32.58	58.77	17.69	29.97	12.28
5290	81.291	76.089	6.30	7.35	13.64	11.35	21.68	10.33	42.46	49.55	92.01	19.64	29.97	10.33
5530	81.278	76.158	5.57	6.76	12.33	10.91	21.68	10.77	37.58	45.60	83.19	19.20	29.97	10.77
5610	81.296	76.218	6.14	7.40	13.53	11.31	21.68	10.37	41.40	49.89	91.29	19.60	29.97	10.37
5690	81.593	76.340	6.55	7.31	13.86	11.42	21.68	10.26	44.16	49.32	93.47	19.71	29.97	10.26
5775	-	76.188	6.71	7.03	13.75	11.38	27.71	16.33	45.29	47.42	92.71	19.67	36.00	16.33

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.
						[dBm]	[dBm]					[dBm]	[dBm]
5210	0.00	-4.91	0.70	10.10	8.29	5.89	14.18	-3.74	0.70	9.88	8.29	6.84	15.13
5290	0.00	-2.81	0.70	10.10	8.29	7.99	16.28	-1.92	0.70	9.88	8.29	8.66	16.95
5530	0.00	-3.44	0.80	10.10	8.29	7.46	15.75	-2.38	0.80	9.88	8.29	8.30	16.59
5610	0.00	-3.02	0.80	10.10	8.29	7.88	16.17	-2.00	0.80	9.89	8.29	8.69	16.98
5690	0.00	-2.75	0.80	10.11	8.29	8.16	16.45	-2.05	0.80	9.89	8.29	8.64	16.93
5775	0.00	-2.65	0.80	10.12	8.29	8.27	16.56	-2.23	0.80	9.90	8.29	8.47	16.76

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 19, 2021
Temperature / Humidity 22 deg. C / 46 % RH
Engineer Junya Okuno
Mode Tx 11ax-80 (OFDM)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5210	-	77.619	4.11	5.06	9.17	9.62	21.68	12.06	27.73	34.12	61.85	17.91	29.97	12.06
5290	80.499	77.702	6.79	7.91	14.70	11.67	21.68	10.01	45.81	53.33	99.15	19.96	29.97	10.01
5530	80.400	77.647	5.93	7.28	13.21	11.21	21.68	10.47	39.99	49.09	89.09	19.50	29.97	10.47
5610	80.604	77.762	6.62	7.94	14.57	11.63	21.68	10.05	44.67	53.58	98.25	19.92	29.97	10.05
5690	80.481	77.807	7.01	7.87	14.89	11.73	21.68	9.95	47.32	53.09	100.40	20.02	29.97	9.95
5775	-	77.677	7.24	7.59	14.83	11.71	27.71	16.00	48.87	51.17	100.03	20.00	36.00	16.00

		Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.
						[dBm]	[dBm]					[dBm]	[dBm]
5210	0.00	-4.66	0.70	10.10	8.29	6.14	14.43	-3.54	0.70	9.88	8.29	7.04	15.33
5290	0.00	-2.48	0.70	10.10	8.29	8.32	16.61	-1.60	0.70	9.88	8.29	8.98	17.27
5530	0.00	-3.17	0.80	10.10	8.29	7.73	16.02	-2.06	0.80	9.88	8.29	8.62	16.91
5610	0.00	-2.69	0.80	10.10	8.29	8.21	16.50	-1.69	0.80	9.89	8.29	9.00	17.29
5690	0.00	-2.45	0.80	10.11	8.29	8.46	16.75	-1.73	0.80	9.89	8.29	8.96	17.25
5775	0.00	-2.32	0.80	10.12	8.29	8.60	16.89	-1.90	0.80	9.90	8.29	8.80	17.09

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-80 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW [MHz]	99% OBW [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1 [mW]	3 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	1 [mW]	3 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5210	0	-	79.078	0.08	0.11	0.19	-7.20	21.68	28.88	0.55	0.74	1.29	1.09	29.97	28.88
	18	-	39.890	0.09	0.12	0.21	-6.79	21.68	28.47	0.61	0.80	1.41	1.50	29.97	28.47
	36	-	78.914	0.10	0.12	0.21	-6.72	21.68	28.40	0.66	0.78	1.43	1.57	29.97	28.40
5290	0	80.155	78.995	0.18	0.21	0.38	-4.17	21.68	25.85	1.19	1.40	2.58	4.12	29.97	25.85
	18	39.618	39.924	0.19	0.20	0.39	-4.09	21.68	25.77	1.26	1.37	2.63	4.20	29.97	25.77
	36	80.217	79.113	0.18	0.19	0.38	-4.23	21.68	25.91	1.25	1.30	2.54	4.06	29.97	25.91
5530	0	80.280	79.139	0.14	0.16	0.30	-5.21	21.68	26.89	0.95	1.08	2.03	3.08	29.97	26.89
	18	39.568	40.083	0.15	0.18	0.32	-4.91	21.68	26.59	0.98	1.19	2.18	3.38	29.97	26.59
	36	80.186	79.019	0.15	0.19	0.34	-4.67	21.68	26.35	1.03	1.27	2.30	3.62	29.97	26.35
5610	0	80.250	79.146	0.16	0.20	0.36	-4.39	21.68	26.07	1.09	1.36	2.45	3.90	29.97	26.07
	18	39.585	39.974	0.17	0.21	0.38	-4.25	21.68	25.93	1.11	1.42	2.54	4.04	29.97	25.93
	36	80.218	79.136	0.17	0.21	0.37	-4.27	21.68	25.95	1.13	1.40	2.53	4.02	29.97	25.95
5690	0	79.947	78.925	0.18	0.22	0.41	-3.92	21.68	25.60	1.23	1.50	2.73	4.37	29.97	25.60
	18	39.607	40.131	0.19	0.21	0.39	-4.04	21.68	25.72	1.26	1.40	2.66	4.25	29.97	25.72
	36	80.224	79.276	0.18	0.19	0.38	-4.23	21.68	25.91	1.25	1.30	2.55	4.06	29.97	25.91
5775	0	-	78.886	0.15	0.21	0.36	-4.38	27.71	32.09	1.04	1.42	2.46	3.91	36.00	32.09
	18	-	40.178	0.18	0.20	0.38	-4.23	27.71	31.94	1.19	1.36	2.55	4.06	36.00	31.94
	36	-	79.214	0.19	0.18	0.38	-4.26	27.71	31.97	1.31	1.22	2.53	4.03	36.00	31.97

Antenna 1										Antenna 3					
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]						Cond. Power [dBm]	e.i.r.p. [dBm]
5210	0	0.00	-21.47	0.70	9.85	8.29	-10.92	-2.63	-24.04	4.56	9.88	8.29	-9.60	-1.31	
	18	0.00	-20.96	0.70	9.85	8.29	-10.41	-2.12	-23.70	4.56	9.88	8.29	-9.26	-0.97	
	36	0.00	-20.67	0.70	9.85	8.29	-10.12	-1.83	-23.82	4.56	9.88	8.29	-9.38	-1.09	
5290	0	0.00	-18.11	0.70	9.86	8.29	-7.55	0.74	-21.25	4.52	9.89	8.29	-6.84	1.45	
	18	0.00	-17.83	0.70	9.86	8.29	-7.27	1.02	-21.34	4.52	9.89	8.29	-6.93	1.36	
	36	0.00	-17.89	0.70	9.86	8.29	-7.33	0.96	-21.57	4.52	9.89	8.29	-7.16	1.13	
5530	0	0.00	-19.15	0.80	9.86	8.29	-8.49	-0.20	-22.36	4.49	9.90	8.29	-7.97	0.32	
	18	0.00	-19.02	0.80	9.86	8.29	-8.36	-0.07	-21.92	4.49	9.90	8.29	-7.53	0.76	
	36	0.00	-18.84	0.80	9.86	8.29	-8.18	0.11	-21.63	4.49	9.90	8.29	-7.24	1.05	
5610	0	0.00	-18.59	0.80	9.87	8.29	-7.92	0.37	-21.30	4.45	9.91	8.29	-6.94	1.35	
	18	0.00	-18.49	0.80	9.87	8.29	-7.82	0.47	-21.12	4.45	9.91	8.29	-6.76	1.53	
	36	0.00	-18.43	0.80	9.87	8.29	-7.76	0.53	-21.20	4.45	9.91	8.29	-6.84	1.45	
5690	0	0.00	-18.05	0.80	9.87	8.29	-7.38	0.91	-20.85	4.40	9.92	8.29	-6.53	1.76	
	18	0.00	-17.95	0.80	9.87	8.29	-7.28	1.01	-21.16	4.40	9.92	8.29	-6.84	1.45	
	36	0.00	-18.00	0.80	9.87	8.29	-7.33	0.96	-21.47	4.40	9.92	8.29	-7.15	1.14	
5775	0	0.00	-18.79	0.80	9.88	8.29	-8.11	0.18	-21.06	4.36	9.93	8.29	-6.77	1.52	
	18	0.00	-18.21	0.80	9.88	8.29	-7.53	0.76	-21.25	4.36	9.93	8.29	-6.96	1.33	
	36	0.00	-17.79	0.80	9.88	8.29	-7.11	1.18	-21.72	4.36	9.93	8.29	-7.43	0.86	

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

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Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-80 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5210	37	-	78.526	0.17	0.23	0.40	-3.99	21.68	25.67	1.16	1.53	2.69	4.30	29.97	25.67
	44	-	33.204	0.19	0.25	0.44	-3.55	21.68	25.23	1.30	1.67	2.98	4.74	29.97	25.23
	52	-	77.966	0.20	0.24	0.45	-3.52	21.68	25.20	1.38	1.62	3.00	4.77	29.97	25.20
5290	37	80.208	78.312	0.36	0.42	0.78	-1.06	21.68	22.74	2.44	2.84	5.28	7.23	29.97	22.74
	44	26.939	32.192	0.39	0.43	0.82	-0.89	21.68	22.57	2.60	2.90	5.50	7.40	29.97	22.57
	52	80.301	78.314	0.38	0.39	0.77	-1.13	21.68	22.81	2.56	2.64	5.19	7.16	29.97	22.81
5530	37	80.359	78.591	0.28	0.33	0.61	-2.12	21.68	23.80	1.91	2.23	4.14	6.17	29.97	23.80
	44	26.874	33.338	0.31	0.37	0.68	-1.68	21.68	23.36	2.06	2.52	4.58	6.61	29.97	23.36
	52	80.231	78.073	0.31	0.39	0.70	-1.54	21.68	23.22	2.07	2.65	4.73	6.75	29.97	23.22
5610	37	80.333	78.463	0.33	0.41	0.74	-1.34	21.68	23.02	2.20	2.76	4.96	6.95	29.97	23.02
	44	26.580	33.164	0.34	0.44	0.78	-1.07	21.68	22.75	2.31	2.96	5.28	7.22	29.97	22.75
	52	80.274	78.170	0.34	0.42	0.75	-1.23	21.68	22.91	2.28	2.81	5.09	7.06	29.97	22.91
5690	37	80.280	78.246	0.37	0.45	0.82	-0.88	21.68	22.56	2.51	3.01	5.51	7.41	29.97	22.56
	44	26.936	25.882	0.39	0.43	0.82	-0.87	21.68	22.55	2.61	2.91	5.52	7.42	29.97	22.55
	52	80.293	78.442	0.38	0.39	0.77	-1.15	21.68	22.83	2.55	2.62	5.17	7.14	29.97	22.83
5775	37	-	78.121	0.32	0.43	0.75	-1.27	27.71	28.98	2.16	2.88	5.04	7.02	36.00	28.98
	44	-	25.579	0.36	0.43	0.79	-1.00	27.71	28.71	2.45	2.91	5.36	7.29	36.00	28.71
	52	-	78.460	0.39	0.37	0.76	-1.17	27.71	28.88	2.65	2.50	5.15	7.12	36.00	28.88

Antenna 1										Antenna 3						
Tested Frequency [MHz]	RU Index	Duty Factor	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]		
5210	37	0.00	-18.19	0.70	9.85	8.29	-7.64	0.65	-20.89	4.56	9.88	8.29	-6.45	1.84		
	44	0.00	-17.69	0.70	9.85	8.29	-7.14	1.15	-20.49	4.56	9.88	8.29	-6.05	2.24		
	52	0.00	-17.44	0.70	9.85	8.29	-6.89	1.40	-20.63	4.56	9.88	8.29	-6.19	2.10		
5290	37	0.00	-14.98	0.70	9.86	8.29	-4.42	3.87	-18.16	4.52	9.89	8.29	-3.75	4.54		
	44	0.00	-14.70	0.70	9.86	8.29	-4.14	4.15	-18.08	4.52	9.89	8.29	-3.67	4.62		
	52	0.00	-14.77	0.70	9.86	8.29	-4.21	4.08	-18.49	4.52	9.89	8.29	-4.08	4.21		
5530	37	0.00	-16.14	0.80	9.86	8.29	-5.48	2.81	-19.30	4.60	9.90	8.29	-4.80	3.49		
	44	0.00	-15.81	0.80	9.86	8.29	-5.15	3.14	-18.78	4.60	9.90	8.29	-4.28	4.01		
	52	0.00	-15.78	0.80	9.86	8.29	-5.12	3.17	-18.55	4.60	9.90	8.29	-4.05	4.24		
5610	37	0.00	-15.54	0.80	9.87	8.29	-4.87	3.42	-18.24	4.45	9.91	8.29	-3.88	4.41		
	44	0.00	-15.32	0.80	9.87	8.29	-4.65	3.64	-17.93	4.45	9.91	8.29	-3.57	4.72		
	52	0.00	-15.38	0.80	9.87	8.29	-4.71	3.58	-18.17	4.45	9.91	8.29	-3.81	4.48		
5690	37	0.00	-14.97	0.80	9.87	8.29	-4.30	3.99	-17.83	4.40	9.92	8.29	-3.51	4.78		
	44	0.00	-14.79	0.80	9.87	8.29	-4.12	4.17	-17.97	4.40	9.92	8.29	-3.65	4.64		
	52	0.00	-14.90	0.80	9.87	8.29	-4.23	4.06	-18.42	4.40	9.92	8.29	-4.10	4.19		
5775	37	0.00	-15.63	0.80	9.88	8.29	-4.95	3.34	-17.99	4.36	9.93	8.29	-3.70	4.59		
	44	0.00	-15.08	0.80	9.88	8.29	-4.40	3.89	-17.94	4.36	9.93	8.29	-3.65	4.64		
	52	0.00	-14.74	0.80	9.88	8.29	-4.06	4.23	-18.60	4.36	9.93	8.29	-4.31	3.98		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 29, 2021
Temperature / Humidity 21 deg. C / 32 % RH
Engineer Yuta Moriya
Mode Tx 11ax-80 OFDMA (106-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5210	53	-	77.764	0.36	0.46	0.82	-0.87	21.68	22.55	2.41	3.11	5.52	7.42	29.97	22.55
	56	-	32.344	0.39	0.50	0.89	-0.52	21.68	22.20	2.62	3.37	5.99	7.77	29.97	22.20
	60	-	76.987	0.41	0.47	0.88	-0.53	21.68	22.21	2.77	3.20	5.97	7.76	29.97	22.21
5290	53	80.250	77.519	0.71	0.85	1.56	1.93	21.68	19.75	4.80	5.73	10.53	10.22	29.97	19.75
	56	31.628	25.159	0.75	0.83	1.58	1.98	21.68	19.70	5.08	5.57	10.65	10.27	29.97	19.70
	60	80.222	77.539	0.74	0.77	1.51	1.79	21.68	19.89	5.00	5.18	10.18	10.08	29.97	19.89
5530	53	80.438	77.792	0.57	0.65	1.22	0.87	21.68	20.81	3.86	4.39	8.25	9.16	29.97	20.81
	56	31.656	32.875	0.61	0.73	1.34	1.27	21.68	20.41	4.13	4.90	9.03	9.56	29.97	20.41
	60	80.284	77.051	0.62	0.77	1.39	1.42	21.68	20.26	4.17	5.18	9.34	9.71	29.97	20.26
5610	53	80.370	77.633	0.67	0.82	1.48	1.71	21.68	19.97	4.49	5.51	10.00	10.00	29.97	19.97
	56	29.693	32.497	0.69	0.87	1.56	1.93	21.68	19.75	4.67	5.85	10.51	10.22	29.97	19.75
	60	80.234	77.339	0.68	0.83	1.51	1.78	21.68	19.90	4.58	5.57	10.15	10.07	29.97	19.90
5690	53	80.267	77.301	0.75	0.86	1.61	2.07	21.68	19.61	5.04	5.82	10.86	10.36	29.97	19.61
	56	31.492	31.059	0.77	0.84	1.61	2.08	21.68	19.60	5.21	5.68	10.89	10.37	29.97	19.60
	60	80.317	77.623	0.75	0.76	1.51	1.80	21.68	19.88	5.07	5.13	10.20	10.09	29.97	19.88
5775	53	-	77.027	0.63	0.79	1.41	1.50	27.71	26.21	4.22	5.32	9.54	9.79	36.00	26.21
	56	-	24.440	0.72	0.79	1.51	1.79	27.71	25.92	4.83	5.35	10.18	10.08	36.00	25.92
	60	-	77.765	0.76	0.69	1.45	1.62	27.71	26.09	5.15	4.65	9.80	9.91	36.00	26.09

			Antenna 1						Antenna 3					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5210	53	0.00	-15.02	0.70	9.85	8.29	-4.47	3.82	-17.80	4.56	9.88	8.29	-3.36	4.93
	56	0.00	-14.65	0.70	9.85	8.29	-4.10	4.19	-17.46	4.56	9.88	8.29	-3.02	5.27
	60	0.00	-14.42	0.70	9.85	8.29	-3.87	4.42	-17.68	4.56	9.88	8.29	-3.24	5.05
5290	53	0.00	-12.04	0.70	9.86	8.29	-1.48	6.81	-15.12	4.52	9.89	8.29	-0.71	7.58
	56	0.00	-11.79	0.70	9.86	8.29	-1.23	7.06	-15.24	4.52	9.89	8.29	-0.83	7.46
	60	0.00	-11.86	0.70	9.86	8.29	-1.30	6.99	-15.56	4.52	9.89	8.29	-1.15	7.14
5530	53	0.00	-13.08	0.80	9.86	8.29	-2.42	5.87	-16.26	4.49	9.90	8.29	-1.87	6.42
	56	0.00	-12.79	0.80	9.86	8.29	-2.13	6.16	-15.78	4.49	9.90	8.29	-1.39	6.90
	60	0.00	-12.75	0.80	9.86	8.29	-2.09	6.20	-15.54	4.49	9.90	8.29	-1.15	7.14
5610	53	0.00	-12.44	0.80	9.87	8.29	-1.77	6.52	-15.24	4.45	9.91	8.29	-0.88	7.41
	56	0.00	-12.27	0.80	9.87	8.29	-1.60	6.69	-14.98	4.45	9.91	8.29	-0.62	7.67
	60	0.00	-12.35	0.80	9.87	8.29	-1.68	6.61	-15.19	4.45	9.91	8.29	-0.83	7.46
5690	53	0.00	-11.94	0.80	9.87	8.29	-1.27	7.02	-14.96	4.40	9.92	8.29	-0.64	7.65
	56	0.00	-11.79	0.80	9.87	8.29	-1.12	7.17	-15.07	4.40	9.92	8.29	-0.75	7.54
	60	0.00	-11.91	0.80	9.87	8.29	-1.24	7.05	-15.51	4.40	9.92	8.29	-1.19	7.10
5775	53	0.00	-12.72	0.80	9.88	8.29	-2.04	6.25	-15.32	4.36	9.93	8.29	-1.03	7.26
	56	0.00	-12.13	0.80	9.88	8.29	-1.45	6.84	-15.30	4.36	9.93	8.29	-1.01	7.28
	60	0.00	-11.85	0.80	9.88	8.29	-1.17	7.12	-15.91	4.36	9.93	8.29	-1.62	6.67

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 29, 2021
Temperature / Humidity 21 deg. C / 32 % RH
Engineer Yuta Moriya
Mode Tx 11ax-80 OFDMA (242-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
				Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5210	61	-	75.776	0.87	1.12	1.99	2.98	21.68	18.70	5.86	7.53	13.39	11.27	29.97	18.70
	62	-	49.050	0.93	1.15	2.08	3.18	21.68	18.50	6.25	7.76	14.01	11.47	29.97	18.50
	64	-	73.611	1.00	1.15	2.15	3.32	21.68	18.36	6.75	7.74	14.49	11.61	29.97	18.36
5290	61	80.367	74.392	1.64	1.95	3.58	5.54	21.68	16.14	11.04	13.12	24.16	13.83	29.97	16.14
	62	78.936	45.928	1.68	1.93	3.61	5.58	21.68	16.10	11.32	13.03	24.36	13.87	29.97	16.10
	64	80.302	75.066	1.70	1.79	3.50	5.44	21.68	16.24	11.48	12.11	23.59	13.73	29.97	16.24
5530	61	80.348	75.756	1.37	1.61	2.98	4.75	21.68	16.93	9.23	10.89	20.12	13.04	29.97	16.93
	62	79.273	49.503	1.39	1.69	3.08	4.89	21.68	16.79	9.38	11.40	20.78	13.18	29.97	16.79
	64	80.259	73.208	1.44	1.81	3.24	5.11	21.68	16.57	9.68	12.19	21.87	13.40	29.97	16.57
5610	61	80.330	75.129	1.53	1.94	3.47	5.41	21.68	16.27	10.33	13.09	23.42	13.70	29.97	16.27
	62	79.082	48.784	1.54	1.99	3.53	5.48	21.68	16.20	10.40	13.43	23.83	13.77	29.97	16.20
	64	80.242	73.987	1.53	1.97	3.50	5.44	21.68	16.24	10.33	13.27	23.60	13.73	29.97	16.24
5690	61	80.164	74.197	1.68	2.07	3.75	5.74	21.68	15.94	11.32	14.00	25.32	14.03	29.97	15.94
	62	78.980	47.309	1.69	2.01	3.70	5.68	21.68	16.00	11.38	13.58	24.96	13.97	29.97	16.00
	64	80.181	75.487	1.69	1.85	3.53	5.48	21.68	16.20	11.38	12.45	23.82	13.77	29.97	16.20
5775	61	-	73.077	1.56	2.00	3.56	5.51	27.71	22.20	10.54	13.46	24.00	13.80	36.00	22.20
	62	-	46.388	1.69	1.99	3.69	5.66	27.71	22.05	11.43	13.43	24.86	13.95	36.00	22.05
	64	-	75.324	1.84	1.75	3.59	5.55	27.71	22.16	12.39	11.80	24.19	13.84	36.00	22.16

Tested Frequency [MHz]	RU Index	Duty Factor	Antenna 1						Antenna 3					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]
5210	61	0.00	-11.16	0.70	9.85	8.29	-0.61	7.68	-13.96	4.56	9.88	8.29	0.48	8.77
	62	0.00	-10.88	0.70	9.85	8.29	-0.33	7.96	-13.83	4.56	9.88	8.29	0.61	8.90
	64	0.00	-10.55	0.70	9.85	8.29	0.00	8.29	-13.84	4.56	9.88	8.29	0.60	8.89
5290	61	0.00	-8.42	0.70	9.86	8.29	2.14	10.43	-11.52	4.52	9.89	8.29	2.89	11.18
	62	0.00	-8.31	0.70	9.86	8.29	2.25	10.54	-11.55	4.52	9.89	8.29	2.86	11.15
	64	0.00	-8.25	0.70	9.86	8.29	2.31	10.60	-11.87	4.52	9.89	8.29	2.54	10.83
5530	61	0.00	-9.30	0.80	9.86	8.29	1.36	9.65	-12.31	4.49	9.90	8.29	2.08	10.37
	62	0.00	-9.23	0.80	9.86	8.29	1.43	9.72	-12.11	4.49	9.90	8.29	2.28	10.57
	64	0.00	-9.09	0.80	9.86	8.29	1.57	9.86	-11.82	4.49	9.90	8.29	2.57	10.86
5610	61	0.00	-8.82	0.80	9.87	8.29	1.85	10.14	-11.48	4.45	9.91	8.29	2.88	11.17
	62	0.00	-8.79	0.80	9.87	8.29	1.88	10.17	-11.37	4.45	9.91	8.29	2.99	11.28
	64	0.00	-8.82	0.80	9.87	8.29	1.85	10.14	-11.42	4.45	9.91	8.29	2.94	11.23
5690	61	0.00	-8.42	0.80	9.87	8.29	2.25	10.54	-11.15	4.40	9.92	8.29	3.17	11.46
	62	0.00	-8.40	0.80	9.87	8.29	2.27	10.56	-11.28	4.40	9.92	8.29	3.04	11.33
	64	0.00	-8.40	0.80	9.87	8.29	2.27	10.56	-11.66	4.40	9.92	8.29	2.66	10.95
5775	61	0.00	-8.74	0.80	9.88	8.29	1.94	10.23	-11.29	4.36	9.93	8.29	3.00	11.29
	62	0.00	-8.39	0.80	9.88	8.29	2.29	10.58	-11.30	4.36	9.93	8.29	2.99	11.28
	64	0.00	-8.04	0.80	9.88	8.29	2.64	10.93	-11.86	4.36	9.93	8.29	2.43	10.72

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

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Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

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Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 29, 2021
Temperature / Humidity 21 deg. C / 32 % RH
Engineer Yuta Moriya
Mode Tx 11ax-80 OFDMA (484-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW [MHz]	99% OBW [MHz]	Conducted power						e.i.r.p.					
				Antenna 1	Antenna 3	Sum	Result	Limit	Margin	Antenna 1	Antenna 3	Sum	Result	Limit	Margin
				[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	65	-	72.169	1.63	2.16	3.79	5.79	21.68	15.89	11.02	14.55	25.57	14.08	29.97	15.89
	66	-	69.081	1.77	2.23	4.01	6.03	21.68	15.65	11.97	15.07	27.03	14.32	29.97	15.65
5290	65	80.204	69.679	3.24	3.96	7.20	8.57	21.68	13.11	21.83	26.73	48.56	16.86	29.97	13.11
	66	80.355	71.547	3.31	3.79	7.10	8.52	21.68	13.16	22.34	25.59	47.92	16.81	29.97	13.16
5530	65	80.351	72.211	2.70	3.30	6.00	7.78	21.68	13.90	18.24	22.23	40.47	16.07	29.97	13.90
	66	80.394	68.746	2.78	3.66	6.44	8.09	21.68	13.59	18.75	24.66	43.41	16.38	29.97	13.59
5610	65	80.361	71.712	2.99	4.04	7.02	8.46	21.68	13.22	20.14	27.23	47.36	16.75	29.97	13.22
	66	80.369	69.523	2.99	4.04	7.03	8.47	21.68	13.21	20.18	27.23	47.41	16.76	29.97	13.21
5690	65	80.203	69.717	3.30	4.16	7.46	8.72	21.68	12.96	22.23	28.05	50.29	17.01	29.97	12.96
	66	80.398	71.645	3.30	3.86	7.16	8.55	21.68	13.13	22.23	26.06	48.29	16.84	29.97	13.13
5775	65	-	68.698	3.18	3.88	7.07	8.49	27.71	19.22	21.48	26.18	47.66	16.78	36.00	19.22
	66	-	73.122	3.40	3.49	6.90	8.39	27.71	19.32	22.96	23.55	46.51	16.68	36.00	19.32

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Antenna 1					Antenna 3					Result	
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Power [dBm]	Result e.i.r.p. [dBm]
5210	65	0.00	-8.42	0.70	9.85	8.29	2.13	10.42	-11.10	4.56	9.88	8.29	3.34	11.63
	66	0.00	-8.06	0.70	9.85	8.29	2.49	10.78	-10.95	4.56	9.88	8.29	3.49	11.78
5290	65	0.00	-5.46	0.70	9.86	8.29	5.10	13.39	-8.43	4.52	9.89	8.29	5.98	14.27
	66	0.00	-5.36	0.70	9.86	8.29	5.20	13.49	-8.62	4.52	9.89	8.29	5.79	14.08
5530	65	0.00	-6.34	0.80	9.86	8.29	4.32	12.61	-9.21	4.49	9.90	8.29	5.18	13.47
	66	0.00	-6.22	0.80	9.86	8.29	4.44	12.73	-8.76	4.49	9.90	8.29	5.63	13.92
5610	65	0.00	-5.92	0.80	9.87	8.29	4.75	13.04	-8.30	4.45	9.91	8.29	6.06	14.35
	66	0.00	-5.91	0.80	9.87	8.29	4.76	13.05	-8.30	4.45	9.91	8.29	6.06	14.35
5690	65	0.00	-5.49	0.80	9.87	8.29	5.18	13.47	-8.13	4.40	9.92	8.29	6.19	14.48
	66	0.00	-5.49	0.80	9.87	8.29	5.18	13.47	-8.45	4.40	9.92	8.29	5.87	14.16
5775	65	0.00	-5.65	0.80	9.88	8.29	5.03	13.32	-8.40	4.36	9.93	8.29	5.89	14.18
	66	0.00	-5.36	0.80	9.88	8.29	5.32	13.61	-8.86	4.36	9.93	8.29	5.43	13.72

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 29, 2021
Temperature / Humidity 21 deg. C / 32 % RH
Engineer Yuta Moriya
Mode Tx 11ax-80 OFDMA (996-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5210	-	77.751	3.33	4.46	7.79	8.92	21.68	12.76	22.49	30.06	52.55	17.21	29.97	12.76
5290	80.632	77.762	6.08	7.16	13.24	11.22	21.68	10.46	41.02	48.31	89.33	19.51	29.97	10.46
5530	80.735	77.785	5.82	6.73	12.55	10.99	21.68	10.69	39.26	45.39	84.66	19.28	29.97	10.69
5610	80.698	77.799	6.03	7.55	13.58	11.33	21.68	10.35	40.64	50.93	91.58	19.62	29.97	10.35
5690	80.732	77.775	6.49	7.45	13.93	11.44	21.68	10.24	43.75	50.23	93.99	19.73	29.97	10.24
5775	-	77.693	6.44	7.57	14.01	11.46	27.71	16.25	43.45	51.05	94.50	19.75	36.00	16.25

		Antenna 1							Antenna 3					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		
						Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	
5210	0.00	-5.32	0.70	9.85	8.29	5.23	13.52	-7.95	4.56	9.88	8.29	6.49	14.78	
5290	0.00	-2.72	0.70	9.86	8.29	7.84	16.13	-5.86	4.52	9.89	8.29	8.55	16.84	
5530	0.00	-3.01	0.80	9.86	8.29	7.65	15.94	-6.11	4.49	9.90	8.29	8.28	16.57	
5610	0.00	-2.87	0.80	9.87	8.29	7.80	16.09	-5.58	4.45	9.91	8.29	8.78	17.07	
5690	0.00	-2.55	0.80	9.87	8.29	8.12	16.41	-5.60	4.40	9.92	8.29	8.72	17.01	
5775	0.00	-2.59	0.80	9.88	8.29	8.09	16.38	-5.50	4.36	9.93	8.29	8.79	17.08	

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor

e.i.r.p. Result = Conducted Power Result + Antenna Gain

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

Conducted Power Limit (5725 MHz-5850 MHz) = 1W

The conducted power limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

The test was performed with Gate function.

Maximum Conducted Output Power (Rate Check)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 14, 2021
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Takafumi Noguchi
Mode Tx 11a

5500 MHz

mode	Rate [Mbps]	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Power		Remark [dB]
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11a	6	-3.45	0.452	-2.65	0.543	-0.02	0.995	*
	9	-3.47	0.450	-2.70	0.537	-0.06	0.987	
	12	-3.45	0.452	-2.70	0.537	-0.05	0.989	
	18	-3.45	0.452	-2.68	0.540	-0.04	0.991	
	24	-3.51	0.446	-2.66	0.542	-0.05	0.988	
	36	-3.47	0.450	-2.70	0.537	-0.06	0.987	
	48	-3.53	0.444	-2.67	0.541	-0.07	0.984	
	54	-3.45	0.452	-2.66	0.542	-0.03	0.994	

*: Worst Rate

*1)The test was conducted by the use of Gate function.

All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power
(Rate Check)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 14, 2021
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Takafumi Noguchi
Mode Tx 11n-20

5500 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Power		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11n-20	0	-3.44	0.453	-2.64	0.545	-0.01	0.997	*
	1	-3.48	0.449	-2.66	0.542	-0.04	0.991	
	2	-3.48	0.449	-2.70	0.537	-0.06	0.986	
	3	-3.47	0.450	-2.69	0.538	-0.05	0.988	
	4	-3.53	0.444	-2.67	0.541	-0.07	0.984	
	5	-3.44	0.453	-2.66	0.542	-0.02	0.995	
	6	-3.49	0.448	-2.69	0.538	-0.06	0.986	
	7	-3.45	0.452	-2.65	0.543	-0.02	0.995	
	8	-3.50	0.447	-2.69	0.538	-0.07	0.985	
	9	-3.53	0.444	-2.65	0.543	-0.06	0.987	
	10	-3.50	0.447	-2.65	0.543	-0.04	0.990	
	11	-3.42	0.455	-2.69	0.538	-0.03	0.993	
	12	-3.45	0.452	-2.64	0.545	-0.02	0.996	
	13	-3.44	0.453	-2.66	0.542	-0.02	0.995	
	14	-3.46	0.451	-2.64	0.545	-0.02	0.995	
	15	-3.47	0.450	-2.63	0.546	-0.02	0.996	

*Worst MCS

*1)The test was conducted by the use of Gate function.

All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power (Rate Check)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 14, 2021
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Takafumi Noguchi
Mode Tx 11ac-20

5500 MHz

mode	MCS Number	Antenna 1		Antenna 3		Total		Remark
		Reading Average		Reading Average		Reading Power		
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-20 1TX	0	-3.46	0.451	-2.61	0.548	0.00	0.999	*
	1	-3.51	0.446	-2.68	0.540	-0.06	0.985	
	2	-3.48	0.449	-2.70	0.537	-0.06	0.986	
	3	-3.48	0.449	-2.70	0.537	-0.06	0.986	
	4	-3.52	0.445	-2.66	0.542	-0.06	0.987	
	5	-3.51	0.446	-2.64	0.545	-0.04	0.990	
	6	-3.47	0.450	-2.65	0.543	-0.03	0.993	
	7	-3.50	0.447	-2.59	0.551	-0.01	0.997	
	8	-3.47	0.450	-2.61	0.548	-0.01	0.998	
11ac-20 2TX	0	-3.49	0.448	-2.69	0.538	-0.06	0.986	
	1	-3.50	0.447	-2.61	0.548	-0.02	0.995	
	2	-3.47	0.450	-2.69	0.538	-0.05	0.988	
	3	-3.43	0.454	-2.74	0.532	-0.06	0.986	
	4	-3.49	0.448	-2.61	0.548	-0.02	0.996	
	5	-3.47	0.450	-2.65	0.543	-0.03	0.993	
	6	-3.42	0.455	-2.65	0.543	-0.01	0.998	
	7	-3.46	0.451	-2.62	0.547	-0.01	0.998	
	8	-3.44	0.453	-2.64	0.545	-0.01	0.997	

*Worst MCS

*1)The test was conducted by the use of Gate function.

All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power (Rate Check)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 14, 2021
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-20 (OFDM)

5500 MHz

mode	MCS Number	Antenna 1		Antenna 3		Total		Remark
		Reading Average		Reading Average		Reading Power		
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ax-20 1TX	0	-3.24	0.474	-2.35	0.582	0.24	1.056	*
	1	-3.28	0.470	-2.39	0.577	0.20	1.047	
	2	-3.26	0.472	-2.44	0.570	0.18	1.042	
	3	-3.28	0.470	-2.44	0.570	0.17	1.040	
	4	-3.28	0.470	-2.43	0.571	0.18	1.041	
	5	-3.23	0.475	-2.44	0.570	0.19	1.045	
	6	-3.25	0.473	-2.43	0.571	0.19	1.045	
	7	-3.27	0.471	-2.40	0.575	0.20	1.046	
	8	-3.28	0.470	-2.51	0.561	0.13	1.031	
	9	-3.25	0.473	-2.42	0.573	0.20	1.046	
	10	-3.29	0.469	-2.41	0.574	0.18	1.043	
	11	-3.29	0.469	-2.45	0.569	0.16	1.038	
11ax-20 2TX	0	-3.30	0.468	-2.44	0.570	0.16	1.038	
	1	-3.29	0.469	-2.39	0.577	0.19	1.046	
	2	-3.28	0.470	-2.44	0.570	0.17	1.040	
	3	-3.27	0.471	-2.41	0.574	0.19	1.045	
	4	-3.27	0.471	-2.41	0.574	0.19	1.045	
	5	-3.23	0.475	-2.44	0.570	0.19	1.045	
	6	-3.26	0.472	-2.40	0.575	0.20	1.048	
	7	-3.25	0.473	-2.40	0.575	0.21	1.049	
	8	-3.28	0.470	-2.40	0.575	0.19	1.045	
	9	-3.23	0.475	-2.37	0.579	0.23	1.055	
	10	-3.32	0.466	-2.39	0.577	0.18	1.042	
	11	-3.30	0.468	-2.41	0.574	0.18	1.042	

*Worst MCS

*1)The test was conducted by the use of Gate function.

All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power
(Rate Check)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 14, 2021
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Takafumi Noguchi
Mode Tx 11n-40

5510 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Power		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11n-40	0	-3.48	0.449	-2.55	0.556	0.02	1.005	*
	1	-3.54	0.443	-2.62	0.547	-0.05	0.990	
	2	-3.55	0.442	-2.68	0.540	-0.08	0.981	
	3	-3.54	0.443	-2.60	0.550	-0.03	0.992	
	4	-3.53	0.444	-2.60	0.550	-0.03	0.993	
	5	-3.45	0.452	-2.62	0.547	0.00	0.999	
	6	-3.46	0.451	-2.58	0.552	0.01	1.003	
	7	-3.44	0.453	-2.60	0.550	0.01	1.002	
	8	-3.55	0.442	-2.62	0.547	-0.05	0.989	
	9	-3.54	0.443	-2.66	0.542	-0.07	0.985	
	10	-3.51	0.446	-2.65	0.543	-0.05	0.989	
	11	-3.46	0.451	-2.60	0.550	0.00	1.000	
	12	-3.49	0.448	-2.59	0.551	-0.01	0.999	
	13	-3.45	0.452	-2.62	0.547	0.00	0.999	
	14	-3.48	0.449	-2.57	0.553	0.01	1.002	
	15	-3.47	0.450	-2.57	0.553	0.01	1.003	

*Worst MCS

*1)The test was conducted by the use of Gate function.

All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power (Rate Check)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 14, 2021
Temperature / Humidity 22 deg. C / 36 % RH
Engineer Takafumi Noguchi
Mode Tx 11ac-40

5510 MHz

5510 MHz

mode	MCS Number	Antenna 1		Antenna 3		Total		Remark
		Reading Average		Reading Average		Reading Power		
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-40 1TX	0	-3.47	0.450	-2.55	0.556	0.02	1.006	*
	1	-3.51	0.446	-2.65	0.543	-0.05	0.989	
	2	-3.51	0.446	-2.66	0.542	-0.05	0.988	
	3	-3.48	0.449	-2.67	0.541	-0.05	0.989	
	4	-3.54	0.443	-2.59	0.551	-0.03	0.993	
	5	-3.49	0.448	-2.60	0.550	-0.01	0.997	
	6	-3.46	0.451	-2.64	0.545	-0.02	0.995	
	7	-3.50	0.447	-2.58	0.552	-0.01	0.999	
	8	-3.47	0.450	-2.61	0.548	-0.01	0.998	
	9	-3.45	0.452	-2.62	0.547	0.00	0.999	
11ac-40 2TX	0	-3.54	0.443	-2.62	0.547	-0.05	0.990	
	1	-3.51	0.446	-2.65	0.543	-0.05	0.989	
	2	-3.49	0.448	-2.66	0.542	-0.04	0.990	
	3	-3.48	0.449	-2.60	0.550	-0.01	0.998	
	4	-3.47	0.450	-2.61	0.548	-0.01	0.998	
	5	-3.51	0.446	-2.67	0.541	-0.06	0.986	
	6	-3.50	0.447	-2.61	0.548	-0.02	0.995	
	7	-3.48	0.449	-2.56	0.555	0.01	1.003	
	8	-3.47	0.450	-2.56	0.555	0.02	1.004	
	9	-3.48	0.449	-2.60	0.550	-0.01	0.998	

*Worst MCS

*1)The test was conducted by the use of Gate function.

All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power (Rate Check)

Report No.	13671144H
Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 14, 2021
Temperature / Humidity	22 deg. C / 36 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 (OFDM)

5510 MHz

mode	MCS Number	Antenna 1		Antenna 3		Total		Remark
		Reading Average		Reading Average		Reading Power		
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ax-40 1TX	0	-3.20	0.479	-2.33	0.585	0.27	1.063	*
	1	-3.22	0.476	-2.37	0.579	0.24	1.056	
	2	-3.21	0.478	-2.36	0.581	0.25	1.058	
	3	-3.23	0.475	-2.36	0.581	0.24	1.056	
	4	-3.18	0.481	-2.37	0.579	0.25	1.060	
	5	-3.20	0.479	-2.34	0.583	0.26	1.062	
	6	-3.20	0.479	-2.35	0.582	0.26	1.061	
	7	-3.20	0.479	-2.34	0.583	0.26	1.062	
	8	-3.21	0.478	-2.34	0.583	0.26	1.061	
	9	-3.18	0.481	-2.36	0.581	0.26	1.062	
	10	-3.22	0.476	-2.33	0.585	0.26	1.061	
	11	-3.20	0.479	-2.34	0.583	0.26	1.062	
11ax-40 2TX	0	-3.20	0.479	-2.40	0.575	0.23	1.054	
	1	-3.26	0.472	-2.44	0.570	0.18	1.042	
	2	-3.25	0.473	-2.41	0.574	0.20	1.047	
	3	-3.24	0.474	-2.35	0.582	0.24	1.056	
	4	-3.24	0.474	-2.37	0.579	0.23	1.054	
	5	-3.23	0.475	-2.35	0.582	0.24	1.057	
	6	-3.22	0.476	-2.39	0.577	0.23	1.053	
	7	-3.21	0.478	-2.37	0.579	0.24	1.057	
	8	-3.20	0.479	-2.34	0.583	0.26	1.062	
	9	-3.08	0.492	-2.44	0.570	0.26	1.062	
	10	-3.21	0.478	-2.34	0.583	0.26	1.061	
	11	-3.24	0.474	-2.34	0.583	0.24	1.058	

*Worst MCS

*1)The test was conducted by the use of Gate function.

All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power (Rate Check)

Report No.	13671144H
Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 14, 2021
Temperature / Humidity	22 deg. C / 36 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-80

5530 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Power		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-80 1TX	0	-2.97	0.505	-2.08	0.619	0.51	1.124	*
	1	-3.01	0.500	-2.10	0.617	0.48	1.117	
	2	-2.97	0.505	-2.16	0.608	0.46	1.113	
	3	-2.98	0.504	-2.10	0.617	0.49	1.120	
	4	-2.99	0.502	-2.12	0.614	0.48	1.116	
	5	-2.96	0.506	-2.11	0.615	0.50	1.121	
	6	-3.00	0.501	-2.11	0.615	0.48	1.116	
	7	-2.96	0.506	-2.14	0.611	0.48	1.117	
	8	-2.96	0.506	-2.11	0.615	0.50	1.121	
	9	-2.95	0.507	-2.14	0.611	0.48	1.118	
11ac-80 2TX	0	-2.98	0.504	-2.14	0.611	0.47	1.114	
	1	-2.97	0.505	-2.12	0.614	0.49	1.118	
	2	-3.00	0.501	-2.12	0.614	0.47	1.115	
	3	-2.98	0.504	-2.10	0.617	0.49	1.120	
	4	-3.02	0.499	-2.18	0.605	0.43	1.104	
	5	-2.97	0.505	-2.09	0.618	0.50	1.123	
	6	-3.00	0.501	-2.18	0.605	0.44	1.107	
	7	-2.93	0.509	-2.12	0.614	0.50	1.123	
	8	-2.98	0.504	-2.09	0.618	0.50	1.122	
	9	-2.94	0.508	-2.14	0.611	0.49	1.119	

*Worst MCS

*1)The test was conducted by the use of Gate function.

All comparison were carried out on same frequency and measurement factors.

Maximum Conducted Output Power (Rate Check)

Report No.	13671144H
Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 14, 2021
Temperature / Humidity	22 deg. C / 36 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 (OFDM)

5530 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Power		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ax-80 1TX	0	-2.96	0.506	-2.07	0.621	0.52	1.127	*
	1	-2.98	0.504	-2.15	0.610	0.47	1.113	
	2	-3.01	0.500	-2.12	0.614	0.47	1.114	
	3	-2.99	0.502	-2.08	0.619	0.50	1.122	
	4	-2.94	0.508	-2.15	0.610	0.48	1.118	
	5	-3.00	0.501	-2.11	0.615	0.48	1.116	
	6	-2.99	0.502	-2.14	0.611	0.47	1.113	
	7	-2.99	0.502	-2.12	0.614	0.48	1.116	
	8	-2.94	0.508	-2.12	0.614	0.50	1.122	
	9	-2.96	0.506	-2.10	0.617	0.50	1.122	
	10	-2.95	0.507	-2.08	0.619	0.52	1.126	
	11	-2.96	0.506	-2.14	0.611	0.48	1.117	
11ax-80 2TX	0	-3.01	0.500	-2.18	0.605	0.44	1.105	
	1	-3.03	0.498	-2.10	0.617	0.47	1.114	
	2	-3.00	0.501	-2.15	0.610	0.46	1.111	
	3	-2.94	0.508	-2.12	0.614	0.50	1.122	
	4	-2.96	0.506	-2.12	0.614	0.49	1.120	
	5	-2.95	0.507	-2.12	0.614	0.50	1.121	
	6	-3.02	0.499	-2.19	0.604	0.43	1.103	
	7	-2.95	0.507	-2.11	0.615	0.50	1.122	
	8	-2.98	0.504	-2.13	0.612	0.48	1.116	
	9	-2.95	0.507	-2.13	0.612	0.49	1.119	
	10	-2.94	0.508	-2.12	0.614	0.50	1.122	
	11	-2.93	0.509	-2.13	0.612	0.50	1.122	

*Worst MCS

*1)The test was conducted by the use of Gate function.

All comparison were carried out on same frequency and measurement factors.

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 18, 2021
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11a

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average)			
									Antenna 1	3	Sum 1+3	
									[mW]	[mW]	[mW]	[dBm]
5180	-5.21	0.70	10.11	5.60	-4.18	0.70	9.88	6.40	3.63	4.37	8.00	9.03
5220	-4.77	0.70	10.10	6.03	-3.77	0.70	9.88	6.81	4.01	4.80	8.81	9.45
5240	-4.67	0.70	10.10	6.13	-3.67	0.70	9.88	6.91	4.10	4.91	9.01	9.55
5260	-2.89	0.70	10.10	7.91	-1.93	0.70	9.88	8.65	6.18	7.33	13.51	11.31
5300	-2.59	0.70	10.10	8.21	-1.87	0.70	9.88	8.71	6.62	7.43	14.05	11.48
5320	-2.57	0.70	10.10	8.23	-1.92	0.70	9.88	8.66	6.65	7.35	14.00	11.46
5500	-3.67	0.80	10.10	7.23	-2.77	0.80	9.88	7.91	5.28	6.18	11.46	10.59
5580	-3.07	0.80	10.10	7.83	-2.06	0.80	9.88	8.62	6.07	7.28	13.35	11.25
5700	-2.60	0.80	10.11	8.31	-1.89	0.80	9.89	8.80	6.78	7.59	14.36	11.57
5720	-2.26	0.80	10.11	8.65	-1.93	0.80	9.89	8.76	7.33	7.52	14.84	11.72
5745	-2.97	0.80	10.11	7.94	-1.92	0.80	9.90	8.78	6.22	7.55	13.77	11.39
5785	-2.52	0.80	10.12	8.40	-2.11	0.80	9.90	8.59	6.92	7.23	14.15	11.51
5825	-2.20	0.80	10.12	8.72	-2.67	0.80	9.90	8.03	7.45	6.35	13.80	11.40

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 18, 2021
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11n-20

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna			
									1 [mW]	3 [mW]	1+3 [mW]	Sum 1+3 [dBm]
5180	-5.26	0.70	10.11	5.55	-4.23	0.70	9.88	6.35	3.59	4.32	7.90	8.98
5220	-4.84	0.70	10.10	5.96	-3.83	0.70	9.88	6.75	3.94	4.73	8.68	9.38
5240	-4.60	0.70	10.10	6.20	-3.70	0.70	9.88	6.88	4.17	4.88	9.04	9.56
5260	-2.87	0.70	10.10	7.93	-1.97	0.70	9.88	8.61	6.21	7.26	13.47	11.29
5300	-2.63	0.70	10.10	8.17	-1.90	0.70	9.88	8.68	6.56	7.38	13.94	11.44
5320	-2.57	0.70	10.10	8.23	-1.94	0.70	9.88	8.64	6.65	7.31	13.96	11.45
5500	-3.70	0.80	10.10	7.20	-2.74	0.80	9.88	7.94	5.25	6.22	11.47	10.60
5580	-3.03	0.80	10.10	7.87	-2.10	0.80	9.88	8.58	6.12	7.21	13.33	11.25
5700	-2.55	0.80	10.11	8.36	-1.96	0.80	9.89	8.73	6.85	7.46	14.32	11.56
5720	-2.30	0.80	10.11	8.61	-2.00	0.80	9.89	8.69	7.26	7.40	14.66	11.66
5745	-3.05	0.80	10.11	7.86	-1.96	0.80	9.90	8.74	6.11	7.48	13.59	11.33
5785	-2.56	0.80	10.12	8.36	-2.11	0.80	9.90	8.59	6.85	7.23	14.08	11.49
5825	-2.25	0.80	10.12	8.67	-2.66	0.80	9.90	8.04	7.36	6.37	13.73	11.38

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 18, 2021
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11ac-20

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna			
									1 [mW]	3 [mW]	1+3 [mW]	Sum 1+3 [dBm]
5180	-5.25	0.70	10.11	5.56	-4.27	0.70	9.88	6.31	3.60	4.28	7.87	8.96
5220	-4.80	0.70	10.10	6.00	-3.87	0.70	9.88	6.71	3.98	4.69	8.67	9.38
5240	-4.65	0.70	10.10	6.15	-3.68	0.70	9.88	6.90	4.12	4.90	9.02	9.55
5260	-2.85	0.70	10.10	7.95	-1.93	0.70	9.88	8.65	6.24	7.33	13.57	11.32
5300	-2.59	0.70	10.10	8.21	-1.86	0.70	9.88	8.72	6.62	7.45	14.07	11.48
5320	-2.57	0.70	10.10	8.23	-1.92	0.70	9.88	8.66	6.65	7.35	14.00	11.46
5500	-3.62	0.80	10.10	7.28	-2.76	0.80	9.88	7.92	5.35	6.19	11.54	10.62
5580	-3.05	0.80	10.10	7.85	-2.05	0.80	9.88	8.63	6.10	7.29	13.39	11.27
5700	-2.56	0.80	10.11	8.35	-1.88	0.80	9.89	8.81	6.84	7.60	14.44	11.60
5720	-2.30	0.80	10.11	8.61	-1.94	0.80	9.89	8.75	7.26	7.50	14.76	11.69
5745	-2.99	0.80	10.11	7.92	-1.89	0.80	9.90	8.81	6.19	7.60	13.80	11.40
5785	-2.49	0.80	10.12	8.43	-2.12	0.80	9.90	8.58	6.97	7.21	14.18	11.52
5825	-2.21	0.80	10.12	8.71	-2.67	0.80	9.90	8.03	7.43	6.35	13.78	11.39

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 18, 2021
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11ax-20 (OFDM)

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna			
									1 [mW]	3 [mW]	1+3 [mW]	Sum 1+3 [dBm]
5180	-4.98	0.70	10.11	5.83	-3.84	0.70	9.88	6.74	3.83	4.72	8.55	9.32
5220	-4.58	0.70	10.10	6.22	-3.47	0.70	9.88	7.11	4.19	5.14	9.33	9.70
5240	-4.39	0.70	10.10	6.41	-3.33	0.70	9.88	7.25	4.38	5.31	9.68	9.86
5260	-2.66	0.70	10.10	8.14	-1.63	0.70	9.88	8.95	6.52	7.85	14.37	11.57
5300	-2.47	0.70	10.10	8.33	-1.62	0.70	9.88	8.96	6.81	7.87	14.68	11.67
5320	-2.40	0.70	10.10	8.40	-1.74	0.70	9.88	8.84	6.92	7.66	14.57	11.64
5500	-3.39	0.80	10.10	7.51	-2.40	0.80	9.88	8.28	5.64	6.73	12.37	10.92
5580	-2.86	0.80	10.10	8.04	-1.77	0.80	9.88	8.91	6.37	7.78	14.15	11.51
5700	-2.40	0.80	10.11	8.51	-1.68	0.80	9.89	9.01	7.10	7.96	15.06	11.78
5720	-2.35	0.80	10.11	8.56	-1.74	0.80	9.89	8.95	7.18	7.85	15.03	11.77
5745	-2.65	0.80	10.11	8.26	-1.70	0.80	9.90	9.00	6.70	7.94	14.64	11.66
5785	-2.23	0.80	10.12	8.69	-1.98	0.80	9.90	8.72	7.40	7.45	14.84	11.72
5825	-2.04	0.80	10.12	8.88	-2.59	0.80	9.90	8.11	7.73	6.47	14.20	11.52

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-20 OFDMA (242-tone RU)

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna		Sum 1+3	
									1 [mW]	3 [mW]	[mW]	[dBm]
5180	-5.76	0.70	9.85	4.79	-8.47	4.57	9.88	5.98	3.01	3.96	6.98	8.44
5220	-5.17	0.70	9.85	5.38	-8.00	4.55	9.88	6.43	3.45	4.40	7.85	8.95
5240	-4.95	0.70	9.86	5.61	-7.91	4.54	9.89	6.52	3.64	4.49	8.13	9.10
5260	-2.91	0.70	9.86	7.65	-6.01	4.53	9.89	8.41	5.82	6.93	12.76	11.06
5300	-2.63	0.70	9.86	7.93	-6.06	4.51	9.89	8.34	6.21	6.82	13.03	11.15
5320	-2.59	0.70	9.86	7.97	-6.12	4.50	9.89	8.27	6.27	6.71	12.98	11.13
5500	-3.23	0.80	9.86	7.43	-6.59	4.51	9.90	7.82	5.53	6.05	11.59	10.64
5580	-2.99	0.80	9.87	7.68	-5.86	4.46	9.90	8.50	5.86	7.08	12.94	11.12
5700	-2.58	0.80	9.88	8.10	-5.79	4.40	9.92	8.53	6.46	7.13	13.59	11.33
5720	-2.28	0.80	9.88	8.40	-5.81	4.39	9.92	8.50	6.92	7.08	14.00	11.46
5745	-2.92	0.80	9.88	7.76	-5.58	4.38	9.92	8.72	5.97	7.45	13.42	11.28
5785	-2.41	0.80	9.88	8.27	-5.72	4.35	9.93	8.56	6.71	7.18	13.89	11.43
5825	-2.01	0.80	9.88	8.67	-6.16	4.33	9.93	8.10	7.36	6.46	13.82	11.40

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

*) The test on 11ax-20 was performed on OFDM / OFDMA (242-tone RU) was the worst condition.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 18, 2021
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11n-40

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna			
									1 [mW]	3 [mW]	1+3 [mW]	Sum 1+3 [dBm]
5190	-5.19	0.70	10.11	5.62	-3.99	0.70	9.88	6.59	3.65	4.56	8.21	9.14
5230	-4.84	0.70	10.10	5.96	-3.72	0.70	9.88	6.86	3.94	4.85	8.80	9.44
5270	-2.95	0.70	10.10	7.85	-2.00	0.70	9.88	8.58	6.10	7.21	13.31	11.24
5310	-2.84	0.70	10.10	7.96	-2.03	0.70	9.88	8.55	6.25	7.16	13.41	11.28
5510	-3.64	0.80	10.10	7.26	-2.57	0.80	9.88	8.11	5.32	6.47	11.79	10.72
5550	-3.33	0.80	10.10	7.57	-2.32	0.80	9.88	8.36	5.71	6.85	12.57	10.99
5670	-2.83	0.80	10.11	8.08	-2.00	0.80	9.89	8.69	6.43	7.40	13.82	11.41
5710	-2.75	0.80	10.11	8.16	-2.14	0.80	9.89	8.55	6.55	7.16	13.71	11.37
5755	-2.82	0.80	10.11	8.09	-2.17	0.80	9.90	8.53	6.44	7.13	13.57	11.33
5795	-2.48	0.80	10.12	8.44	-2.50	0.80	9.90	8.20	6.98	6.61	13.59	11.33

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 18, 2021
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11ac-40

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna		Sum 1+3	
									1 [mW]	3 [mW]	1+3 [mW]	[dBm]
5190	-5.17	0.70	10.11	5.64	-4.02	0.70	9.88	6.56	3.66	4.53	8.19	9.13
5230	-4.86	0.70	10.10	5.94	-3.70	0.70	9.88	6.88	3.93	4.88	8.80	9.45
5270	-3.00	0.70	10.10	7.80	-2.00	0.70	9.88	8.58	6.03	7.21	13.24	11.22
5310	-2.83	0.70	10.10	7.97	-2.03	0.70	9.88	8.55	6.27	7.16	13.43	11.28
5510	-3.61	0.80	10.10	7.29	-2.61	0.80	9.88	8.07	5.36	6.41	11.77	10.71
5550	-3.32	0.80	10.10	7.58	-2.29	0.80	9.88	8.39	5.73	6.90	12.63	11.01
5670	-2.83	0.80	10.11	8.08	-1.99	0.80	9.89	8.70	6.43	7.41	13.84	11.41
5710	-2.79	0.80	10.11	8.12	-2.18	0.80	9.89	8.51	6.49	7.10	13.58	11.33
5755	-2.90	0.80	10.11	8.01	-2.14	0.80	9.90	8.56	6.32	7.18	13.50	11.30
5795	-2.52	0.80	10.12	8.40	-2.48	0.80	9.90	8.22	6.92	6.64	13.56	11.32

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 18, 2021
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11ax-40 (OFDM)

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna		Sum 1+3	
									1 [mW]	3 [mW]	1+3 [mW]	[dBm]
5190	-4.88	0.70	10.11	5.93	-3.68	0.70	9.88	6.90	3.92	4.90	8.82	9.45
5230	-4.57	0.70	10.10	6.23	-3.45	0.70	9.88	7.13	4.20	5.16	9.36	9.71
5270	-2.67	0.70	10.10	8.13	-1.68	0.70	9.88	8.90	6.50	7.76	14.26	11.54
5310	-2.50	0.70	10.10	8.30	-1.73	0.70	9.88	8.85	6.76	7.67	14.43	11.59
5510	-3.32	0.80	10.10	7.58	-2.26	0.80	9.88	8.42	5.73	6.95	12.68	11.03
5550	-3.02	0.80	10.10	7.88	-2.00	0.80	9.88	8.68	6.14	7.38	13.52	11.31
5670	-2.52	0.80	10.11	8.39	-1.67	0.80	9.89	9.02	6.90	7.98	14.88	11.73
5710	-2.39	0.80	10.11	8.52	-1.75	0.80	9.89	8.94	7.11	7.83	14.95	11.75
5755	-2.50	0.80	10.11	8.41	-1.80	0.80	9.90	8.90	6.93	7.76	14.70	11.67
5795	-2.25	0.80	10.12	8.67	-2.15	0.80	9.90	8.55	7.36	7.16	14.52	11.62

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab.No.8 Measurement Room
Date January 28, 2021
Temperature / Humidity 22 deg. C / 40 % RH
Engineer Hiroyuki Furutaka
Mode Tx 11ax-40 OFDMA (484-tone RU)

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna		Sum	
									1 [mW]	3 [mW]	1+3 [mW]	1+3 [dBm]
5190	-5.59	0.70	9.85	4.96	-8.32	4.57	9.88	6.13	3.13	4.10	7.24	8.59
5230	-5.09	0.70	9.85	5.46	-7.92	4.55	9.88	6.51	3.52	4.48	7.99	9.03
5270	-2.88	0.70	9.86	7.68	-6.02	4.53	9.89	8.40	5.86	6.92	12.78	11.07
5310	-2.67	0.70	9.86	7.89	-6.07	4.51	9.89	8.33	6.15	6.81	12.96	11.13
5510	-3.20	0.80	9.86	7.46	-6.50	4.50	9.90	7.90	5.57	6.17	11.74	10.70
5550	-3.05	0.80	9.86	7.61	-6.09	4.48	9.90	8.29	5.77	6.75	12.51	10.97
5670	-2.75	0.80	9.87	7.92	-5.76	4.41	9.91	8.56	6.19	7.18	13.37	11.26
5710	-2.59	0.80	9.88	8.09	-5.86	4.39	9.92	8.45	6.44	7.00	13.44	11.28
5755	-2.86	0.80	9.88	7.82	-5.50	4.37	9.92	8.79	6.05	7.57	13.62	11.34
5795	-2.42	0.80	9.88	8.26	-5.95	4.35	9.93	8.33	6.70	6.81	13.51	11.31

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

*) The test on 11ax-40 was performed on OFDM / OFDMA (484-tone RU) was the worst condition.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 18, 2021
Temperature / Humidity 21 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11ac-80

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna		Sum 1+3	
									1 [mW]	3 [mW]	1+3 [mW]	[dBm]
5210	-4.91	0.70	10.10	5.89	-3.74	0.70	9.88	6.84	3.88	4.83	8.71	9.40
5290	-2.81	0.70	10.10	7.99	-1.92	0.70	9.88	8.66	6.30	7.35	13.64	11.35
5530	-3.44	0.80	10.10	7.46	-2.38	0.80	9.88	8.30	5.57	6.76	12.33	10.91
5610	-3.02	0.80	10.10	7.88	-2.00	0.80	9.89	8.69	6.14	7.40	13.53	11.31
5690	-2.75	0.80	10.11	8.16	-2.05	0.80	9.89	8.64	6.55	7.31	13.86	11.42
5775	-2.65	0.80	10.12	8.27	-2.23	0.80	9.90	8.47	6.71	7.03	13.75	11.38

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

Average Output Power **(Reference data for RF Exposure)**

Report No.	13671144H
Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 18, 2021
Temperature / Humidity	21 deg. C / 45 % RH
Engineer	Junya Okuno
Mode	Tx 11ax-80 (OFDM)

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna		Sum 1+3	
									1 [mW]	3 [mW]	1+3 [mW]	[dBm]
5210	-4.66	0.70	10.10	6.14	-3.54	0.70	9.88	7.04	4.11	5.06	9.17	9.62
5290	-2.48	0.70	10.10	8.32	-1.60	0.70	9.88	8.98	6.79	7.91	14.70	11.67
5530	-3.17	0.80	10.10	7.73	-2.06	0.80	9.88	8.62	5.93	7.28	13.21	11.21
5610	-2.69	0.80	10.10	8.21	-1.67	0.80	9.89	9.02	6.62	7.98	14.60	11.64
5690	-2.45	0.80	10.11	8.46	-1.73	0.80	9.89	8.96	7.01	7.87	14.89	11.73
5775	-2.32	0.80	10.12	8.60	-1.90	0.80	9.90	8.80	7.24	7.59	14.83	11.71

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Average Output Power
(Reference data for RF Exposure)

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 29, 2021
Temperature / Humidity 21 deg. C / 32 % RH
Engineer Yuta Moriya
Mode Tx 11ax-80 OFDMA (996-tone RU)

Tested Frequency [MHz]	Antenna 1				Antenna 3				Antenna 1+3			
	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result (Burst power average) [dBm]	Result (Burst power average) Antenna			
									1 [mW]	3 [mW]	1+3 [mW]	Sum 1+3 [dBm]
5210	-5.32	0.70	9.85	5.23	-7.95	4.56	9.88	6.49	3.33	4.46	7.79	8.92
5290	-2.72	0.70	9.86	7.84	-5.86	4.52	9.89	8.55	6.08	7.16	13.24	11.22
5530	-3.01	0.80	9.86	7.65	-6.11	4.49	9.90	8.28	5.82	6.73	12.55	10.99
5610	-2.87	0.80	9.87	7.80	-5.58	4.45	9.91	8.78	6.03	7.55	13.58	11.33
5690	-2.55	0.80	9.87	8.12	-5.60	4.40	9.92	8.72	6.49	7.45	13.93	11.44
5775	-2.59	0.80	9.88	8.09	-5.50	4.36	9.93	8.79	6.44	7.57	14.01	11.46

Sample Calculation:

Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss

The test was performed with Gate function.

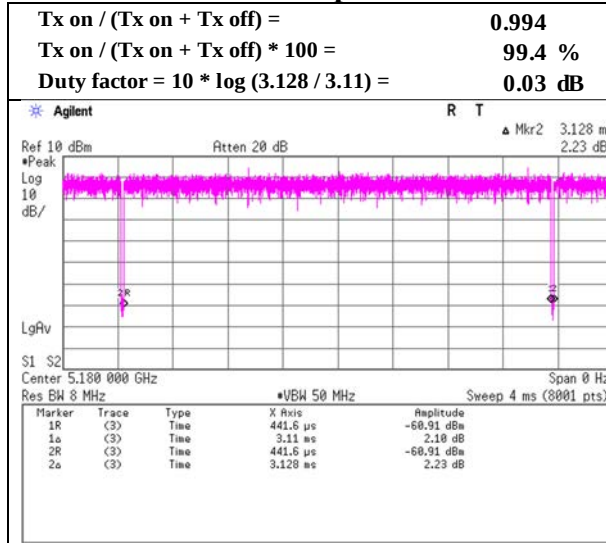
*) The test on 11ax-80 was performed on OFDM / OFDMA (996-tone RU) was the worst condition.

**The average output power was measured with the lowest order modulation and
lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.**

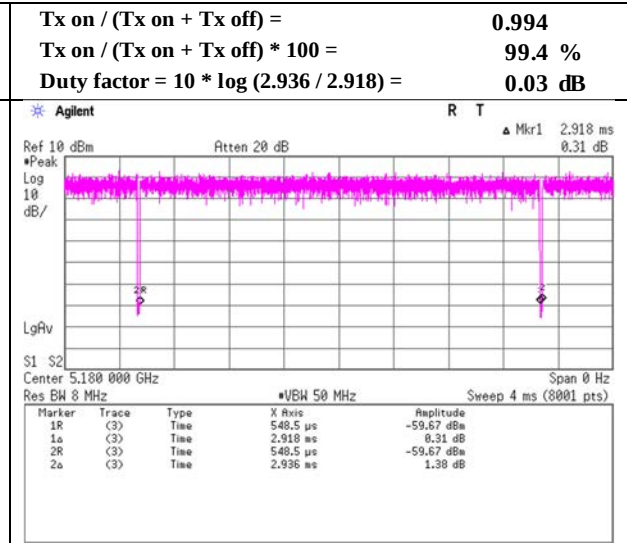
Burst rate confirmation

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 19, 2021
Temperature / Humidity 22 deg. C / 46 % RH
Engineer Junya Okuno
Mode Tx

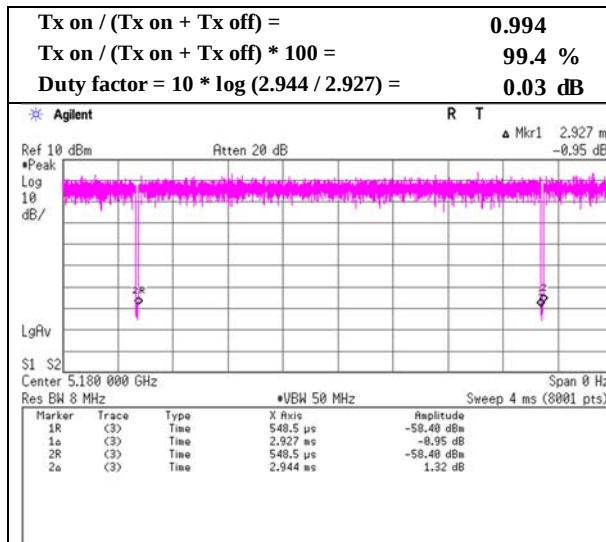
11a 6Mbps



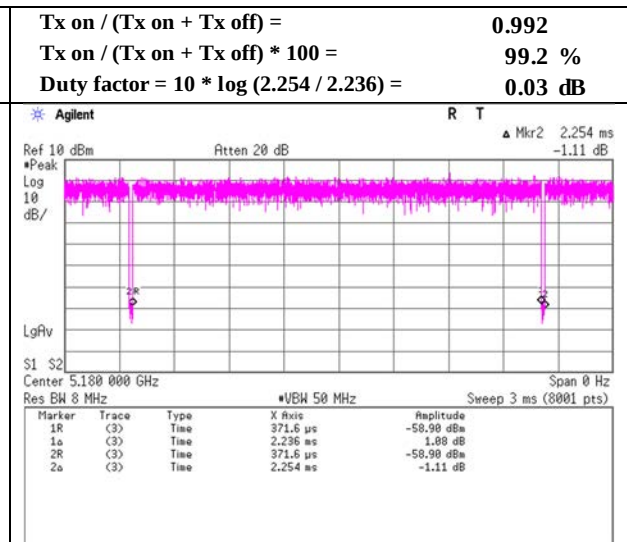
11n-20 MCS 0



11ac-20 MCS 0



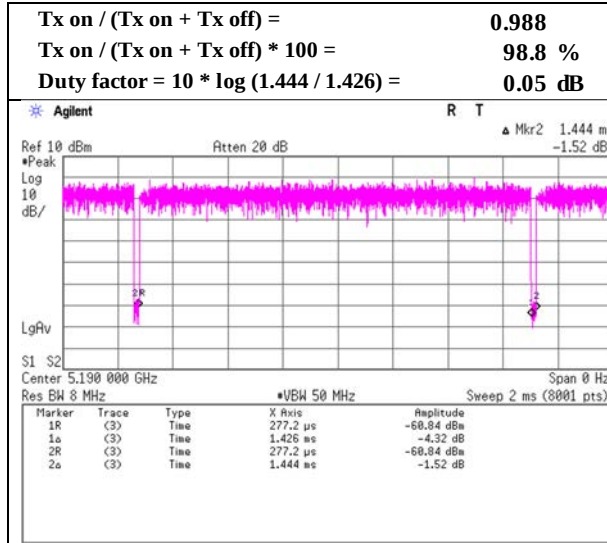
11ax-20 (OFDM) MCS 0



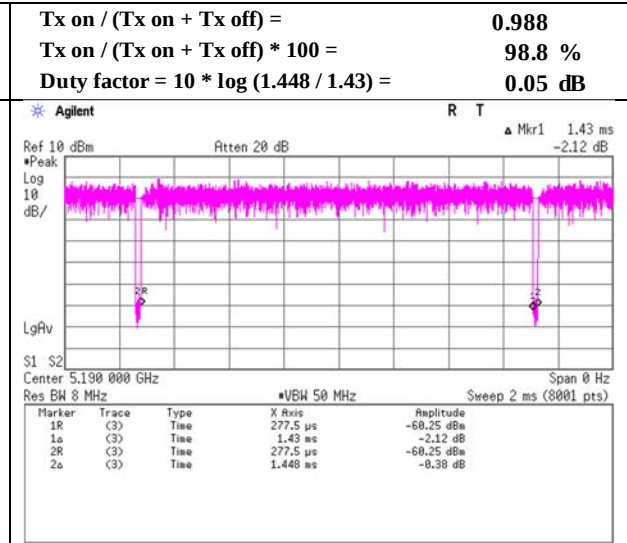
Burst rate confirmation

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 19, 2021
Temperature / Humidity 22 deg. C / 46 % RH
Engineer Junya Okuno
Mode Tx

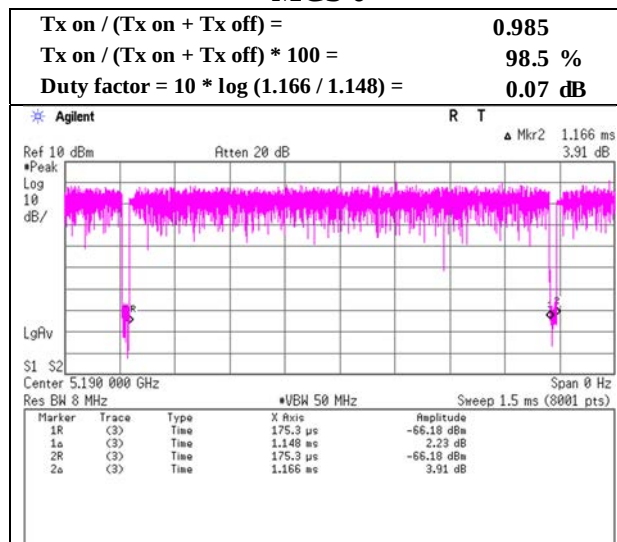
11n-40 MCS 0



11ac-40 MCS 0



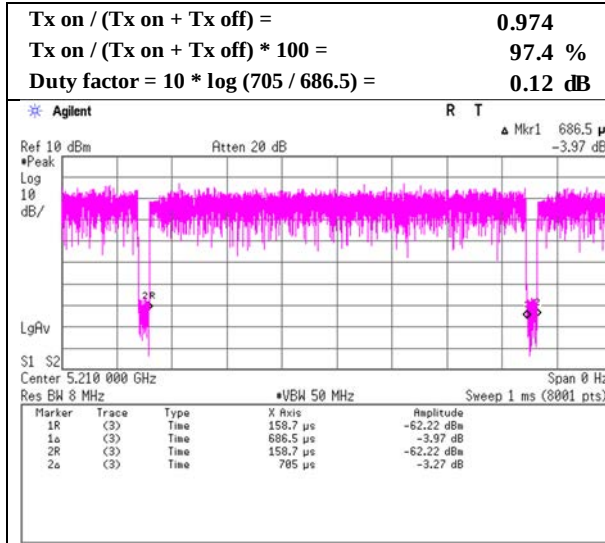
11ax-40 (OFDM) MCS 0



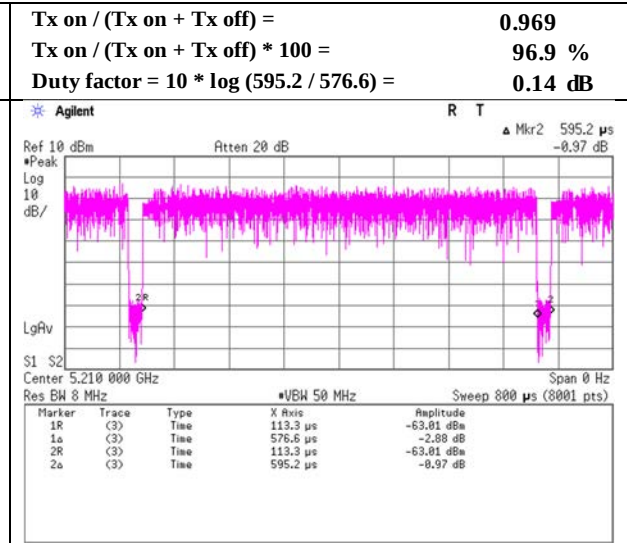
Burst rate confirmation

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 19, 2021
Temperature / Humidity 22 deg. C / 46 % RH
Engineer Junya Okuno
Mode Tx

11ac-80 MCS 0



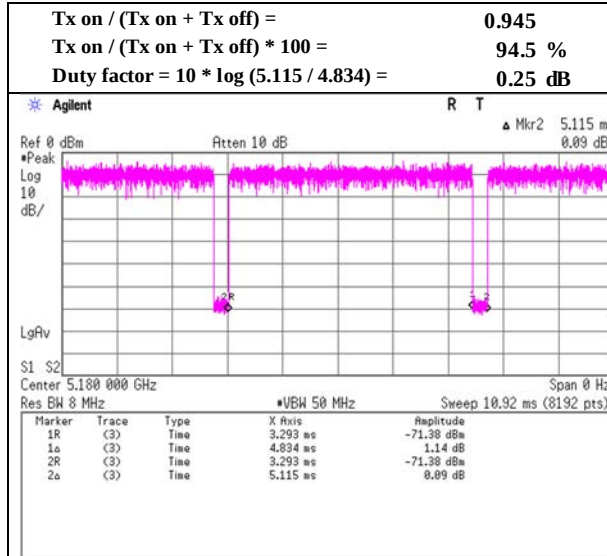
11ax-80 (OFDM) MCS 0



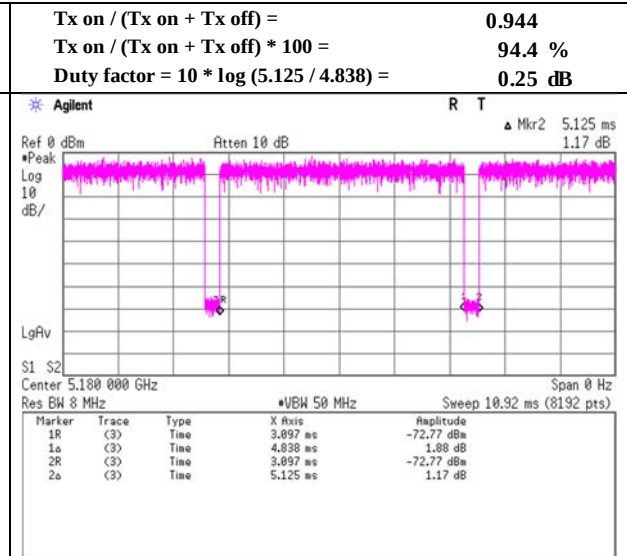
Burst rate confirmation

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 3, 2021
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
Mode Tx

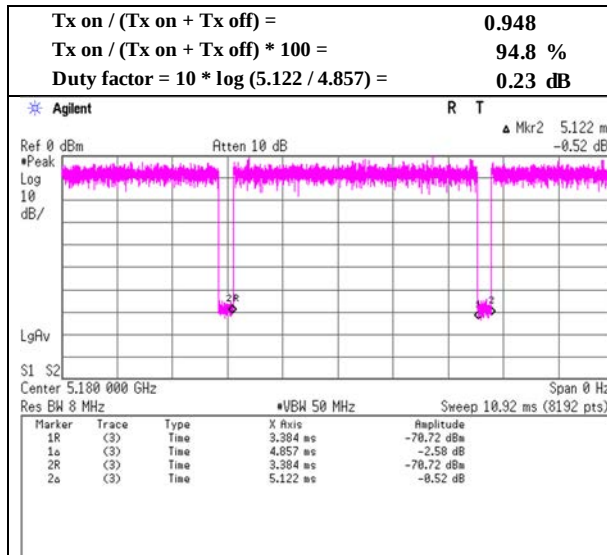
11ax-20 (26-tone RU) MCS 0



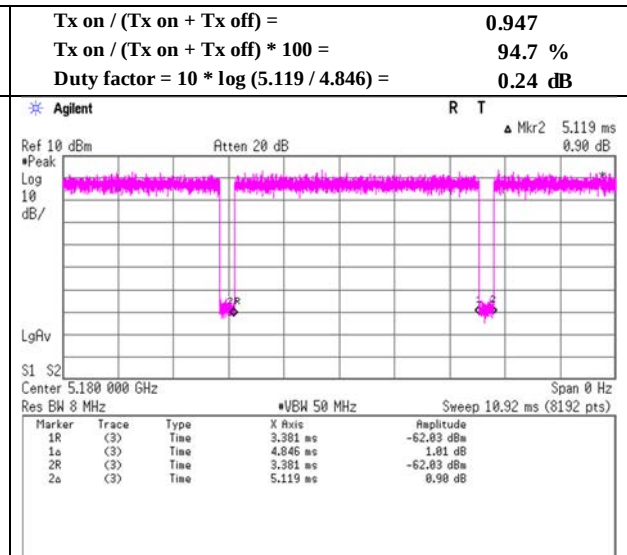
11ax-20 (52-tone RU) MCS 0



11ax-20 (106-tone RU) MCS 0



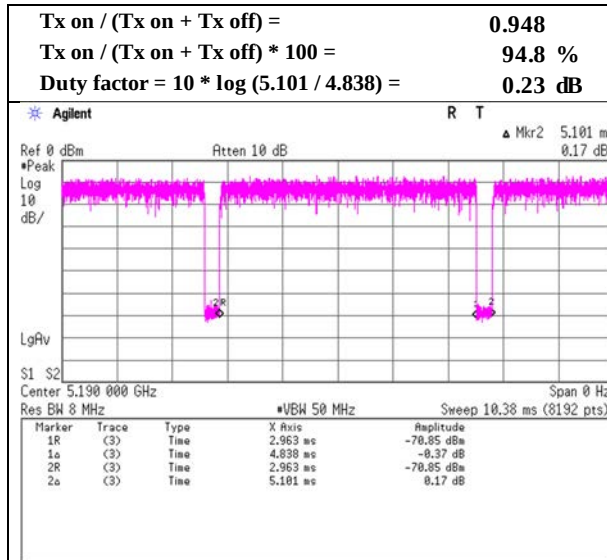
11ax-20 (242-tone RU) MCS 0



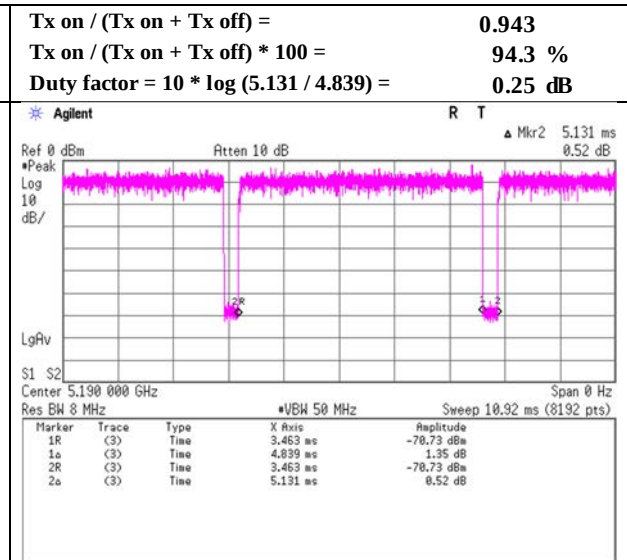
Burst rate confirmation

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 3, 2021
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
Mode Tx

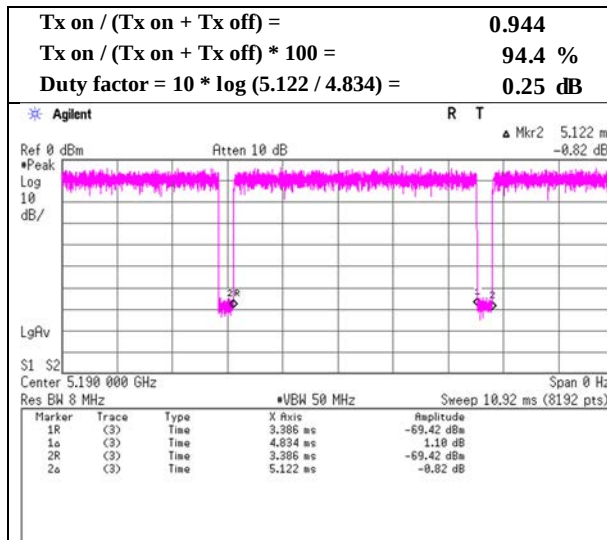
11ax-40 (26-tone RU) MCS 0



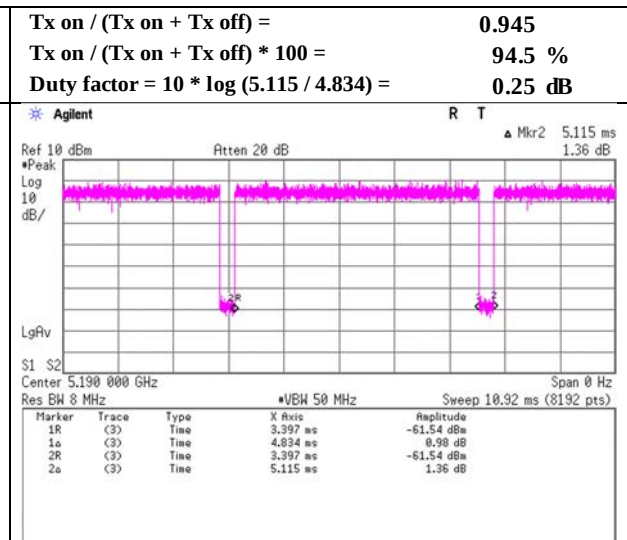
11ax-40 (52-tone RU) MCS 0



11ax-40 (106-tone RU) MCS 0



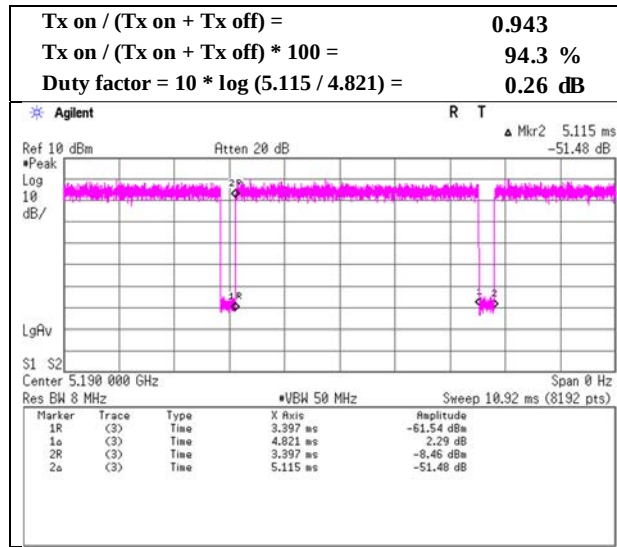
11ax-40 (242-tone RU) MCS 0



Burst rate confirmation

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 3, 2021
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
Mode Tx

11ax-40 (484-tone RU) MCS 0



UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

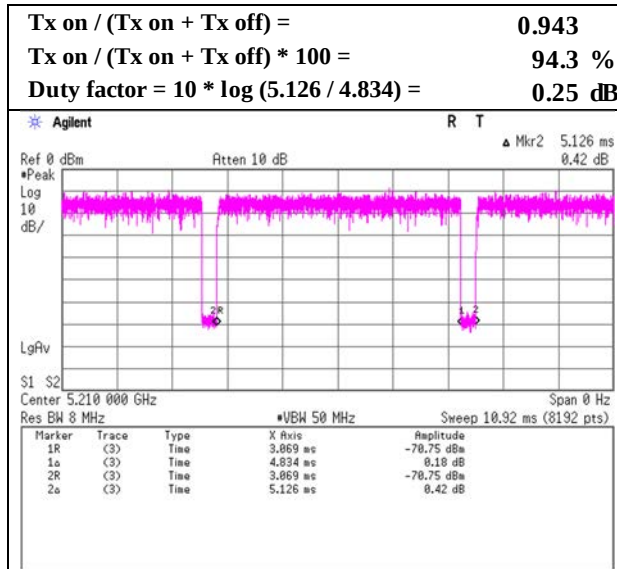
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

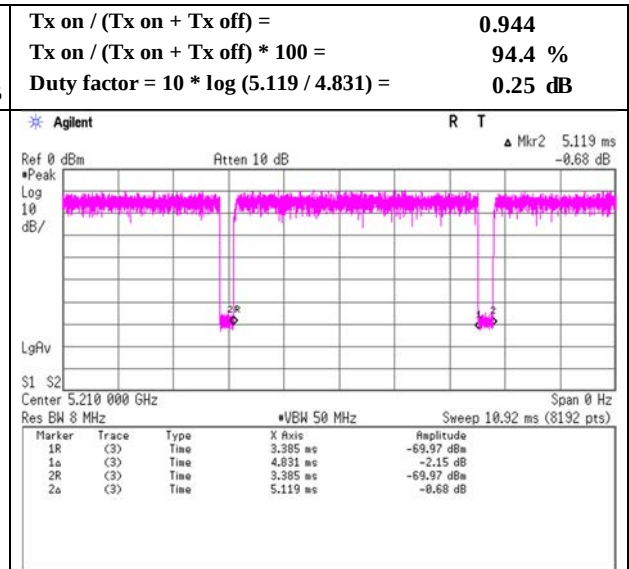
Burst rate confirmation

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 3, 2021
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
Mode Tx

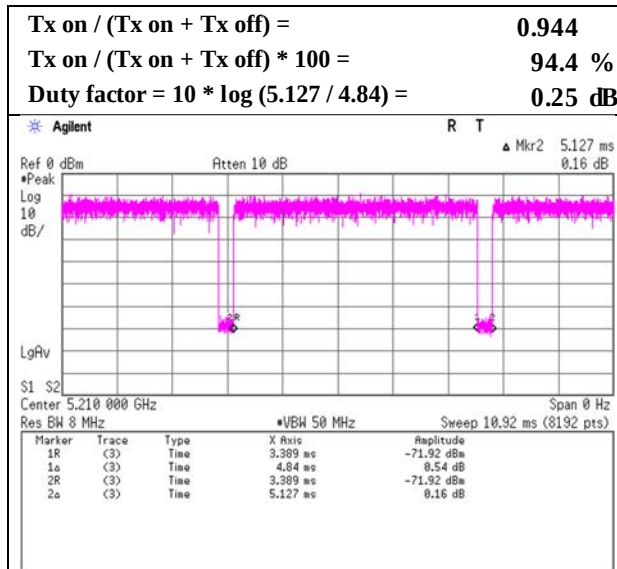
11ax-80 (26-tone RU) MCS 0



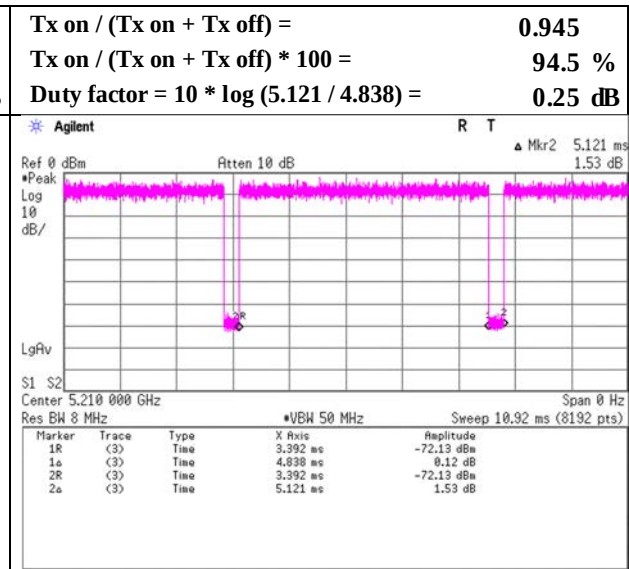
11ax-80 (52-tone RU) MCS 0



11ax-80 (106-tone RU) MCS 0



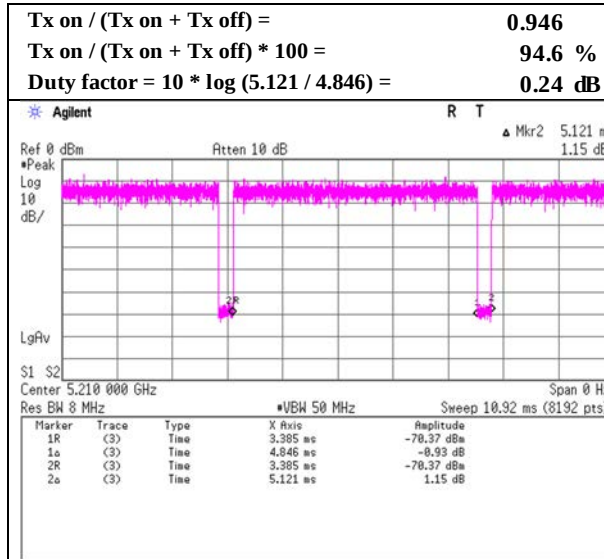
11ax-80 (242-tone RU) MCS 0



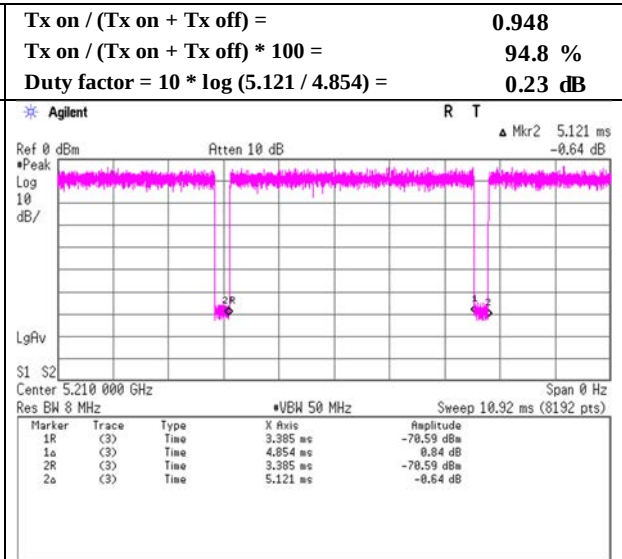
Burst rate confirmation

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 3, 2021
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Hiroyuki Furutaka
Mode Tx

11ax-80 (484-tone RU) MCS 0



11ax-80 (996-tone RU) MCS 0



Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 22, 2021
Temperature / Humidity 23 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11a

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna 1	Antenna 3	Sum	Result	Limit	Margin	Antenna 1	Antenna 3	Sum	Result	Limit	Margin
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.26	0.36	0.62	-2.08	8.71	10.79	1.75	2.42	4.17	6.21	17.00	10.79
5220	0.28	0.38	0.66	-1.82	8.71	10.53	1.90	2.54	4.44	6.47	17.00	10.53
5240	0.31	0.39	0.70	-1.55	8.71	10.26	2.12	2.61	4.72	6.74	17.00	10.26
5260	0.48	0.60	1.08	0.35	8.71	8.36	3.24	4.07	7.32	8.64	17.00	8.36
5300	0.49	0.60	1.09	0.36	8.71	8.35	3.30	4.03	7.33	8.65	17.00	8.35
5320	0.51	0.59	1.10	0.42	8.71	8.29	3.45	3.97	7.42	8.71	17.00	8.29
5500	0.39	0.49	0.88	-0.55	8.71	9.26	2.64	3.30	5.94	7.74	17.00	9.26
5580	0.44	0.60	1.04	0.16	8.71	8.55	2.94	4.06	6.99	8.45	17.00	8.55
5700	0.49	0.58	1.08	0.32	8.71	8.39	3.32	3.94	7.26	8.61	17.00	8.39
5720	0.56	0.60	1.16	0.66	8.71	8.05	3.79	4.06	7.85	8.95	17.00	8.05
5745	0.26	0.30	0.56	-2.52	27.71	30.23	1.75	2.02	3.78	5.77	36.00	30.23
5785	0.27	0.28	0.55	-2.64	27.71	30.35	1.81	1.87	3.68	5.65	36.00	30.35
5825	0.29	0.26	0.55	-2.63	27.71	30.34	1.94	1.73	3.68	5.66	36.00	30.34

			Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.03	0.00	-16.46	0.70	9.88	8.29	-5.85	2.44	-15.06	0.70	9.88	8.29	-4.45	3.84
5220	0.03	0.00	-16.12	0.70	9.88	8.29	-5.51	2.78	-14.85	0.70	9.88	8.29	-4.24	4.05
5240	0.03	0.00	-15.64	0.70	9.88	8.29	-5.03	3.26	-14.74	0.70	9.88	8.29	-4.13	4.16
5260	0.03	0.00	-13.79	0.70	9.88	8.29	-3.18	5.11	-12.80	0.70	9.88	8.29	-2.19	6.10
5300	0.03	0.00	-13.71	0.70	9.88	8.29	-3.10	5.19	-12.85	0.70	9.88	8.29	-2.24	6.05
5320	0.03	0.00	-13.52	0.70	9.88	8.29	-2.91	5.38	-12.91	0.70	9.88	8.29	-2.30	5.99
5500	0.03	0.00	-14.79	0.80	9.88	8.29	-4.08	4.21	-13.81	0.80	9.88	8.29	-3.10	5.19
5580	0.03	0.00	-14.32	0.80	9.88	8.29	-3.61	4.68	-12.92	0.80	9.88	8.29	-2.21	6.08
5700	0.03	0.00	-13.80	0.80	9.89	8.29	-3.08	5.21	-13.05	0.80	9.89	8.29	-2.33	5.96
5720	0.03	0.00	-13.22	0.80	9.89	8.29	-2.50	5.79	-12.93	0.80	9.89	8.29	-2.21	6.08
5745	0.03	0.27	-16.85	0.80	9.90	8.29	-5.85	2.44	-16.23	0.80	9.90	8.29	-5.23	3.06
5785	0.03	0.27	-16.71	0.80	9.90	8.29	-5.71	2.58	-16.58	0.80	9.90	8.29	-5.58	2.71
5825	0.03	0.27	-16.40	0.80	9.90	8.29	-5.40	2.89	-16.90	0.80	9.90	8.29	-5.90	2.39

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 22, 2021
Temperature / Humidity 23 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11n-20

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.27	0.36	0.64	-1.96	8.71	10.67	1.85	2.45	4.30	6.33	17.00	10.67
5220	0.28	0.37	0.65	-1.89	8.71	10.60	1.89	2.48	4.37	6.40	17.00	10.60
5240	0.31	0.39	0.71	-1.52	8.71	10.23	2.11	2.65	4.76	6.77	17.00	10.23
5260	0.47	0.60	1.07	0.31	8.71	8.40	3.18	4.06	7.24	8.60	17.00	8.40
5300	0.45	0.55	1.00	0.00	8.71	8.71	3.01	3.73	6.74	8.29	17.00	8.71
5320	0.47	0.54	1.01	0.03	8.71	8.68	3.18	3.61	6.79	8.32	17.00	8.68
5500	0.38	0.49	0.87	-0.60	8.71	9.31	2.54	3.33	5.88	7.69	17.00	9.31
5580	0.43	0.54	0.96	-0.17	8.71	8.88	2.88	3.61	6.49	8.12	17.00	8.88
5700	0.47	0.56	1.03	0.13	8.71	8.58	3.17	3.78	6.95	8.42	17.00	8.58
5720	0.53	0.59	1.12	0.49	8.71	8.22	3.55	4.01	7.56	8.78	17.00	8.22
5745	0.24	0.30	0.55	-2.63	27.71	30.34	1.63	2.05	3.68	5.66	36.00	30.34
5785	0.26	0.28	0.54	-2.71	27.71	30.42	1.75	1.86	3.61	5.58	36.00	30.42
5825	0.28	0.24	0.51	-2.90	27.71	30.61	1.86	1.60	3.46	5.39	36.00	30.61

			Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.03	0.00	-16.24	0.70	9.88	8.29	-5.63	2.66	-15.00	0.70	9.88	8.29	-4.39	3.90
5220	0.03	0.00	-16.14	0.70	9.88	8.29	-5.53	2.76	-14.96	0.70	9.88	8.29	-4.35	3.94
5240	0.03	0.00	-15.66	0.70	9.88	8.29	-5.05	3.24	-14.67	0.70	9.88	8.29	-4.06	4.23
5260	0.03	0.00	-13.88	0.70	9.88	8.29	-3.27	5.02	-12.81	0.70	9.88	8.29	-2.20	6.09
5300	0.03	0.00	-14.12	0.70	9.88	8.29	-3.51	4.78	-13.18	0.70	9.88	8.29	-2.57	5.72
5320	0.03	0.00	-13.88	0.70	9.88	8.29	-3.27	5.02	-13.32	0.70	9.88	8.29	-2.71	5.58
5500	0.03	0.00	-14.95	0.80	9.88	8.29	-4.24	4.05	-13.77	0.80	9.88	8.29	-3.06	5.23
5580	0.03	0.00	-14.41	0.80	9.88	8.29	-3.70	4.59	-13.42	0.80	9.88	8.29	-2.71	5.58
5700	0.03	0.00	-14.00	0.80	9.89	8.29	-3.28	5.01	-13.24	0.80	9.89	8.29	-2.52	5.77
5720	0.03	0.00	-13.51	0.80	9.89	8.29	-2.79	5.50	-12.98	0.80	9.89	8.29	-2.26	6.03
5745	0.03	0.27	-17.16	0.80	9.90	8.29	-6.16	2.13	-16.17	0.80	9.90	8.29	-5.17	3.12
5785	0.03	0.27	-16.85	0.80	9.90	8.29	-5.85	2.44	-16.60	0.80	9.90	8.29	-5.60	2.69
5825	0.03	0.27	-16.59	0.80	9.90	8.29	-5.59	2.70	-17.26	0.80	9.90	8.29	-6.26	2.03

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 22, 2021
Temperature / Humidity 23 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11ac-20

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna 1 [mW/MHz]	Antenna 3 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna 1 [mW/MHz]	Antenna 3 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
5180	0.27	0.35	0.62	-2.05	8.71	10.76	1.81	2.39	4.20	6.24	17.00	10.76
5220	0.29	0.39	0.68	-1.67	8.71	10.38	1.95	2.64	4.59	6.62	17.00	10.38
5240	0.29	0.38	0.67	-1.72	8.71	10.43	1.97	2.57	4.54	6.57	17.00	10.43
5260	0.45	0.59	1.04	0.18	8.71	8.53	3.03	4.01	7.04	8.47	17.00	8.53
5300	0.47	0.55	1.02	0.08	8.71	8.63	3.16	3.72	6.87	8.37	17.00	8.63
5320	0.46	0.56	1.02	0.10	8.71	8.61	3.12	3.78	6.89	8.39	17.00	8.61
5500	0.37	0.47	0.84	-0.75	8.71	9.46	2.49	3.19	5.68	7.54	17.00	9.46
5580	0.43	0.59	1.01	0.05	8.71	8.66	2.87	3.95	6.82	8.34	17.00	8.66
5700	0.46	0.59	1.04	0.19	8.71	8.52	3.08	3.96	7.05	8.48	17.00	8.52
5720	0.53	0.59	1.12	0.51	8.71	8.20	3.58	4.00	7.58	8.80	17.00	8.20
5745	0.26	0.31	0.57	-2.45	27.71	30.16	1.75	2.08	3.84	5.84	36.00	30.16
5785	0.26	0.27	0.53	-2.77	27.71	30.48	1.73	1.84	3.56	5.52	36.00	30.48
5825	0.26	0.24	0.50	-2.97	27.71	30.68	1.75	1.65	3.40	5.32	36.00	30.68

			Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.03	0.00	-16.32	0.70	9.88	8.29	-5.71	2.58	-15.11	0.70	9.88	8.29	-4.50	3.79
5220	0.03	0.00	-15.99	0.70	9.88	8.29	-5.38	2.91	-14.69	0.70	9.88	8.29	-4.08	4.21
5240	0.03	0.00	-15.95	0.70	9.88	8.29	-5.34	2.95	-14.80	0.70	9.88	8.29	-4.19	4.10
5260	0.03	0.00	-14.09	0.70	9.88	8.29	-3.48	4.81	-12.87	0.70	9.88	8.29	-2.26	6.03
5300	0.03	0.00	-13.91	0.70	9.88	8.29	-3.30	4.99	-13.20	0.70	9.88	8.29	-2.59	5.70
5320	0.03	0.00	-13.96	0.70	9.88	8.29	-3.35	4.94	-13.13	0.70	9.88	8.29	-2.52	5.77
5500	0.03	0.00	-15.04	0.80	9.88	8.29	-4.33	3.96	-13.96	0.80	9.88	8.29	-3.25	5.04
5580	0.03	0.00	-14.42	0.80	9.88	8.29	-3.71	4.58	-13.03	0.80	9.88	8.29	-2.32	5.97
5700	0.03	0.00	-14.12	0.80	9.89	8.29	-3.40	4.89	-13.03	0.80	9.89	8.29	-2.31	5.98
5720	0.03	0.00	-13.47	0.80	9.89	8.29	-2.75	5.54	-12.99	0.80	9.89	8.29	-2.27	6.02
5745	0.03	0.27	-16.85	0.80	9.90	8.29	-5.85	2.44	-16.10	0.80	9.90	8.29	-5.10	3.19
5785	0.03	0.27	-16.92	0.80	9.90	8.29	-5.92	2.37	-16.65	0.80	9.90	8.29	-5.65	2.64
5825	0.03	0.27	-16.85	0.80	9.90	8.29	-5.85	2.44	-17.11	0.80	9.90	8.29	-6.11	2.18

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 22, 2021
Temperature / Humidity 23 deg. C / 45 % RH
Engineer Junya Okuno
Mode Tx 11ax-20 (OFDM)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna 1 [mW/MHz]	Antenna 3 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna 1 [mW/MHz]	Antenna 3 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
5180	0.26	0.36	0.62	-2.09	8.71	10.80	1.76	2.41	4.17	6.20	17.00	10.80
5220	0.28	0.40	0.68	-1.67	8.71	10.38	1.91	2.69	4.60	6.62	17.00	10.38
5240	0.31	0.41	0.72	-1.44	8.71	10.15	2.06	2.79	4.85	6.85	17.00	10.15
5260	0.46	0.58	1.05	0.19	8.71	8.52	3.13	3.92	7.05	8.48	17.00	8.52
5300	0.50	0.58	1.09	0.36	8.71	8.35	3.39	3.94	7.32	8.65	17.00	8.35
5320	0.49	0.54	1.03	0.12	8.71	8.59	3.31	3.62	6.93	8.41	17.00	8.59
5500	0.39	0.48	0.87	-0.62	8.71	9.33	2.62	3.23	5.85	7.67	17.00	9.33
5580	0.45	0.57	1.02	0.08	8.71	8.63	3.04	3.83	6.87	8.37	17.00	8.63
5700	0.50	0.58	1.07	0.31	8.71	8.40	3.35	3.90	7.25	8.60	17.00	8.40
5720	0.57	0.62	1.19	0.75	8.71	7.96	3.85	4.17	8.01	9.04	17.00	7.96
5745	0.24	0.30	0.54	-2.65	27.71	30.36	1.64	2.03	3.67	5.64	36.00	30.36
5785	0.28	0.30	0.58	-2.35	27.71	30.06	1.88	2.05	3.93	5.94	36.00	30.06
5825	0.28	0.25	0.54	-2.69	27.71	30.40	1.92	1.71	3.63	5.60	36.00	30.40

			Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.03	0.00	-16.45	0.70	9.88	8.29	-5.84	2.45	-15.08	0.70	9.88	8.29	-4.47	3.82
5220	0.03	0.00	-16.10	0.70	9.88	8.29	-5.49	2.80	-14.60	0.70	9.88	8.29	-3.99	4.30
5240	0.03	0.00	-15.76	0.70	9.88	8.29	-5.15	3.14	-14.45	0.70	9.88	8.29	-3.84	4.45
5260	0.03	0.00	-13.94	0.70	9.88	8.29	-3.33	4.96	-12.97	0.70	9.88	8.29	-2.36	5.93
5300	0.03	0.00	-13.60	0.70	9.88	8.29	-2.99	5.30	-12.95	0.70	9.88	8.29	-2.34	5.95
5320	0.03	0.00	-13.70	0.70	9.88	8.29	-3.09	5.20	-13.31	0.70	9.88	8.29	-2.70	5.59
5500	0.03	0.00	-14.81	0.80	9.88	8.29	-4.10	4.19	-13.91	0.80	9.88	8.29	-3.20	5.09
5580	0.03	0.00	-14.17	0.80	9.88	8.29	-3.46	4.83	-13.17	0.80	9.88	8.29	-2.46	5.83
5700	0.03	0.00	-13.76	0.80	9.89	8.29	-3.04	5.25	-13.10	0.80	9.89	8.29	-2.38	5.91
5720	0.03	0.00	-13.16	0.80	9.89	8.29	-2.44	5.85	-12.81	0.80	9.89	8.29	-2.09	6.20
5745	0.03	0.27	-17.14	0.80	9.90	8.29	-6.14	2.15	-16.22	0.80	9.90	8.29	-5.22	3.07
5785	0.03	0.27	-16.54	0.80	9.90	8.29	-5.54	2.75	-16.18	0.80	9.90	8.29	-5.18	3.11
5825	0.03	0.27	-16.46	0.80	9.90	8.29	-5.46	2.83	-16.95	0.80	9.90	8.29	-5.95	2.34

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 1, 2021
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 40 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-20 OFDMA (26-tone RU)

Antenna 1+3							Applied limit: 15.407, mobile and portable client device						
Tested Frequency	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		1	3	Sum				1	3	Sum			
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0	0.23	0.32	0.54	-2.67	8.71	11.38	1.52	2.13	3.65	5.62	17.00	11.38
	4	0.19	0.24	0.43	-3.62	8.71	12.33	1.30	1.63	2.93	4.67	17.00	12.33
	8	0.24	0.31	0.55	-2.56	8.71	11.27	1.63	2.11	3.74	5.73	17.00	11.27
5220	0	0.27	0.33	0.60	-2.24	8.71	10.95	1.81	2.22	4.02	6.05	17.00	10.95
	4	0.21	0.28	0.49	-3.07	8.71	11.78	1.44	1.89	3.33	5.22	17.00	11.78
	8	0.29	0.39	0.68	-1.68	8.71	10.39	1.96	2.62	4.58	6.61	17.00	10.39
5240	0	0.27	0.36	0.63	-2.00	8.71	10.71	1.85	2.40	4.25	6.29	17.00	10.71
	4	0.22	0.26	0.48	-3.19	8.71	11.90	1.46	1.78	3.23	5.10	17.00	11.90
	8	0.31	0.40	0.70	-1.52	8.71	10.23	2.08	2.67	4.75	6.77	17.00	10.23
5260	0	0.39	0.49	0.88	-0.56	8.71	9.27	2.60	3.32	5.92	7.73	17.00	9.27
	4	0.28	0.35	0.63	-2.02	8.71	10.73	1.90	2.34	4.24	6.27	17.00	10.73
	8	0.40	0.51	0.92	-0.38	8.71	9.09	2.71	3.46	6.18	7.91	17.00	9.09
5300	0	0.40	0.49	0.89	-0.50	8.71	9.21	2.71	3.29	6.01	7.79	17.00	9.21
	4	0.30	0.38	0.68	-1.70	8.71	10.41	2.01	2.55	4.56	6.59	17.00	10.41
	8	0.41	0.47	0.88	-0.56	8.71	9.27	2.76	3.17	5.93	7.73	17.00	9.27
5320	0	0.43	0.50	0.92	-0.34	8.71	9.05	2.88	3.35	6.24	7.95	17.00	9.05
	4	0.32	0.37	0.70	-1.56	8.71	10.27	2.18	2.53	4.71	6.73	17.00	10.27
	8	0.45	0.48	0.93	-0.32	8.71	9.03	3.05	3.21	6.26	7.97	17.00	9.03

Antenna 1										Antenna 3						
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	Result e.i.r.p.	
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
5180	0	0.25	0.00	-17.82	1.24	9.86	8.29	-6.47	1.82	-16.36	1.24	9.86	8.29	-5.01	3.28	
	4	0.25	0.00	-18.49	1.24	9.86	8.29	-7.14	1.15	-17.53	1.24	9.86	8.29	-6.18	2.11	
	8	0.25	0.00	-17.53	1.24	9.86	8.29	-6.18	2.11	-16.39	1.24	9.86	8.29	-5.04	3.25	
5220	0	0.25	0.00	-17.07	1.24	9.86	8.29	-5.72	2.57	-16.18	1.24	9.86	8.29	-4.84	3.46	
	4	0.25	0.00	-18.05	1.24	9.86	8.29	-6.71	1.59	-16.88	1.24	9.86	8.29	-5.53	2.76	
	8	0.25	0.00	-16.71	1.24	9.86	8.29	-5.36	2.93	-15.46	1.24	9.86	8.29	-4.11	4.18	
5240	0	0.25	0.00	-16.96	1.24	9.86	8.29	-5.61	2.68	-15.84	1.24	9.86	8.29	-4.49	3.80	
	4	0.25	0.00	-18.01	1.24	9.86	8.29	-6.66	1.63	-17.14	1.24	9.86	8.29	-5.79	2.50	
	8	0.25	0.00	-16.45	1.24	9.86	8.29	-5.10	3.19	-15.38	1.24	9.86	8.29	-4.03	4.26	
5260	0	0.25	0.00	-15.50	1.25	9.86	8.29	-4.14	4.15	-14.43	1.25	9.86	8.29	-3.08	5.22	
	4	0.25	0.00	-16.85	1.25	9.86	8.29	-5.49	2.80	-15.97	1.25	9.86	8.29	-4.61	3.68	
	8	0.25	0.00	-15.32	1.25	9.86	8.29	-3.96	4.33	-14.25	1.25	9.86	8.29	-2.90	5.40	
5300	0	0.25	0.00	-15.32	1.25	9.87	8.29	-3.95	4.34	-14.48	1.25	9.87	8.29	-3.12	5.18	
	4	0.25	0.00	-16.63	1.25	9.87	8.29	-5.27	3.02	-15.59	1.25	9.87	8.29	-4.22	4.07	
	8	0.25	0.00	-15.24	1.25	9.87	8.29	-3.88	4.41	-14.65	1.25	9.87	8.29	-3.29	5.01	
5320	0	0.25	0.00	-15.06	1.25	9.87	8.29	-3.69	4.60	-14.40	1.25	9.87	8.29	-3.03	5.26	
	4	0.25	0.00	-16.27	1.25	9.87	8.29	-4.90	3.39	-15.63	1.25	9.87	8.29	-4.27	4.03	
	8	0.25	0.00	-14.81	1.25	9.87	8.29	-3.44	4.85	-14.59	1.25	9.87	8.29	-3.22	5.07	

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 1, 2021
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 40 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-20 OFDMA (26-tone RU)

Antenna 1+3								Applied limit: 15.407, mobile and portable client device							
Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)							
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
		1 [mW/MHz]	3 [mW/MHz]	Sum [mW/MHz]				1 [mW/MHz]	3 [mW/MHz]	Sum [mW/MHz]					
5520	0	0.32	0.39	0.71	-1.48	8.71	10.19	2.15	2.64	4.80	6.81	17.00	10.19		
	4	0.25	0.29	0.53	-2.73	8.71	11.44	1.66	1.94	3.60	5.56	17.00	11.44		
	8	0.31	0.40	0.71	-1.46	8.71	10.17	2.11	2.71	4.82	6.83	17.00	10.17		
5580	0	0.36	0.44	0.80	-0.99	8.71	9.70	2.40	2.96	5.37	7.30	17.00	9.70		
	4	0.25	0.33	0.59	-2.32	8.71	11.03	1.70	2.25	3.95	5.97	17.00	11.03		
	8	0.35	0.45	0.80	-0.97	8.71	9.68	2.38	3.02	5.40	7.32	17.00	9.68		
5700	0	0.43	0.48	0.91	-0.42	8.71	9.13	2.91	3.21	6.12	7.87	17.00	9.13		
	4	0.33	0.38	0.70	-1.52	8.71	10.23	2.21	2.55	4.75	6.77	17.00	10.23		
	8	0.43	0.48	0.91	-0.40	8.71	9.11	2.91	3.24	6.15	7.89	17.00	9.11		
5720	0	0.48	0.46	0.95	-0.23	8.71	8.94	3.27	3.13	6.40	8.06	17.00	8.94		
	4	0.33	0.37	0.70	-1.55	8.71	10.26	2.23	2.49	4.72	6.74	17.00	10.26		
	8	0.46	0.48	0.95	-0.24	8.71	8.95	3.13	3.25	6.38	8.05	17.00	8.95		
5745	0	0.20	0.27	0.48	-3.21	27.71	30.92	1.37	1.84	3.22	5.08	36.00	30.92		
	4	0.18	0.22	0.40	-4.00	27.71	31.71	1.22	1.46	2.68	4.29	36.00	31.71		
	8	0.20	0.26	0.46	-3.37	27.71	31.08	1.33	1.77	3.10	4.92	36.00	31.08		
5785	0	0.22	0.24	0.46	-3.37	27.71	31.08	1.49	1.62	3.11	4.92	36.00	31.08		
	4	0.21	0.21	0.41	-3.83	27.71	31.54	1.39	1.40	2.79	4.46	36.00	31.54		
	8	0.25	0.24	0.49	-3.12	27.71	30.83	1.67	1.62	3.29	5.17	36.00	30.83		
5825	0	0.25	0.22	0.47	-3.27	27.71	30.98	1.69	1.49	3.18	5.02	36.00	30.98		
	4	0.23	0.18	0.41	-3.87	27.71	31.58	1.58	1.19	2.77	4.42	36.00	31.58		
	8	0.27	0.22	0.49	-3.11	27.71	30.82	1.83	1.47	3.30	5.18	36.00	30.82		

				Antenna 1						Antenna 3					
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	e.i.r.p.
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5520	0	0.25	0.00	-16.45	1.36	9.88	8.29	-4.96	3.33	-15.56	1.36	9.88	8.29	-4.07	4.22
	4	0.25	0.00	-17.57	1.36	9.88	8.29	-6.08	2.21	-16.91	1.36	9.88	8.29	-5.42	2.87
	8	0.25	0.00	-16.54	1.36	9.88	8.29	-5.05	3.24	-15.45	1.36	9.88	8.29	-3.96	4.33
5580	0	0.25	0.00	-15.97	1.36	9.88	8.29	-4.48	3.81	-15.06	1.36	9.88	8.29	-3.57	4.72
	4	0.25	0.00	-17.47	1.36	9.88	8.29	-5.98	2.31	-16.26	1.36	9.88	8.29	-4.77	3.52
	8	0.25	0.00	-16.02	1.36	9.88	8.29	-4.53	3.76	-14.98	1.36	9.88	8.29	-3.49	4.80
5700	0	0.25	0.00	-15.16	1.37	9.89	8.29	-3.65	4.64	-14.74	1.37	9.89	8.29	-3.23	5.06
	4	0.25	0.00	-16.36	1.37	9.89	8.29	-4.85	3.44	-15.74	1.37	9.89	8.29	-4.23	4.06
	8	0.25	0.00	-15.16	1.37	9.89	8.29	-3.65	4.64	-14.69	1.37	9.89	8.29	-3.18	5.11
5720	0	0.25	0.00	-14.66	1.37	9.89	8.29	-3.15	5.14	-14.84	1.37	9.89	8.29	-3.33	4.96
	4	0.25	0.00	-16.32	1.37	9.89	8.29	-4.81	3.48	-15.84	1.37	9.89	8.29	-4.33	3.96
	8	0.25	0.00	-14.85	1.37	9.89	8.29	-3.34	4.95	-14.68	1.37	9.89	8.29	-3.17	5.12
5745	0	0.25	0.27	-18.69	1.37	9.89	8.29	-6.91	1.38	-17.41	1.37	9.89	8.29	-5.63	2.66
	4	0.25	0.27	-19.20	1.37	9.89	8.29	-7.42	0.87	-18.42	1.37	9.89	8.29	-6.64	1.65
	8	0.25	0.27	-18.82	1.37	9.89	8.29	-7.04	1.25	-17.59	1.37	9.89	8.29	-5.81	2.48
5785	0	0.25	0.27	-18.35	1.38	9.89	8.29	-6.56	1.73	-17.99	1.38	9.89	8.29	-6.20	2.09
	4	0.25	0.27	-18.64	1.38	9.89	8.29	-6.85	1.44	-18.62	1.38	9.89	8.29	-6.83	1.46
	8	0.25	0.27	-17.85	1.38	9.89	8.29	-6.06	2.23	-17.98	1.38	9.89	8.29	-6.19	2.10
5825	0	0.25	0.27	-17.79	1.38	9.89	8.29	-6.00	2.29	-18.36	1.38	9.89	8.29	-6.57	1.72
	4	0.25	0.27	-18.09	1.38	9.89	8.29	-6.30	1.99	-19.34	1.38	9.89	8.29	-7.55	0.74
	8	0.25	0.27	-17.45	1.38	9.89	8.29	-5.66	2.63	-18.42	1.38	9.89	8.29	-6.63	1.66

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 1, 2021
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 40 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-20 OFDMA (52-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1	3	Sum					1	3	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5180	37	0.26	0.35	0.61	-2.17	8.71	10.88		1.73	2.37	4.09	6.12	17.00	10.88	
	38	0.28	0.36	0.64	-1.92	8.71	10.63		1.90	2.44	4.33	6.37	17.00	10.63	
	40	0.30	0.35	0.64	-1.91	8.71	10.62		1.99	2.36	4.35	6.38	17.00	10.62	
5220	37	0.31	0.40	0.70	-1.53	8.71	10.24		2.07	2.67	4.74	6.76	17.00	10.24	
	38	0.31	0.39	0.70	-1.53	8.71	10.24		2.10	2.64	4.74	6.76	17.00	10.24	
	40	0.31	0.46	0.77	-1.13	8.71	9.84		2.12	3.08	5.20	7.16	17.00	9.84	
5240	37	0.33	0.40	0.73	-1.39	8.71	10.10		2.23	2.67	4.90	6.90	17.00	10.10	
	38	0.35	0.41	0.77	-1.15	8.71	9.86		2.38	2.80	5.18	7.14	17.00	9.86	
	40	0.33	0.43	0.76	-1.16	8.71	9.87		2.25	2.90	5.16	7.13	17.00	9.87	
5260	37	0.43	0.61	1.04	0.19	8.71	8.52		2.93	4.11	7.04	8.48	17.00	8.52	
	38	0.44	0.61	1.05	0.22	8.71	8.49		2.99	4.11	7.10	8.51	17.00	8.49	
	40	0.46	0.56	1.02	0.09	8.71	8.62		3.13	3.75	6.88	8.38	17.00	8.62	
5300	37	0.47	0.54	1.01	0.03	8.71	8.68		3.18	3.61	6.79	8.32	17.00	8.68	
	38	0.50	0.60	1.10	0.43	8.71	8.28		3.40	4.04	7.44	8.72	17.00	8.28	
	40	0.46	0.56	1.03	0.13	8.71	8.58		3.13	3.81	6.94	8.42	17.00	8.58	
5320	37	0.54	0.54	1.08	0.32	8.71	8.39		3.62	3.64	7.26	8.61	17.00	8.39	
	38	0.52	0.61	1.12	0.51	8.71	8.20		3.50	4.08	7.58	8.80	17.00	8.20	
	40	0.49	0.59	1.08	0.33	8.71	8.38		3.30	3.98	7.28	8.62	17.00	8.38	

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	37	0.25	0.00	-17.27	1.24	9.86	8.29	-5.92	2.37	-15.90	1.24	9.86	8.29	-4.55	3.74
	38	0.25	0.00	-16.86	1.24	9.86	8.29	-5.51	2.78	-15.77	1.24	9.86	8.29	-4.42	3.87
	40	0.25	0.00	-16.65	1.24	9.86	8.29	-5.30	2.99	-15.92	1.24	9.86	8.29	-4.57	3.72
5220	37	0.25	0.00	-16.49	1.24	9.86	8.29	-5.14	3.15	-15.37	1.24	9.86	8.29	-4.02	4.27
	38	0.25	0.00	-16.41	1.24	9.86	8.29	-5.06	3.23	-15.43	1.24	9.86	8.29	-4.08	4.21
	40	0.25	0.00	-16.38	1.24	9.86	8.29	-5.03	3.26	-14.75	1.24	9.86	8.29	-3.40	4.89
5240	37	0.25	0.00	-16.15	1.24	9.86	8.29	-4.80	3.49	-15.38	1.24	9.86	8.29	-4.03	4.26
	38	0.25	0.00	-15.88	1.24	9.86	8.29	-4.53	3.76	-15.17	1.24	9.86	8.29	-3.82	4.47
	40	0.25	0.00	-16.11	1.24	9.86	8.29	-4.76	3.53	-15.01	1.24	9.86	8.29	-3.66	4.63
5260	37	0.25	0.00	-14.98	1.25	9.86	8.29	-3.62	4.67	-13.51	1.25	9.86	8.29	-2.15	6.14
	38	0.25	0.00	-14.90	1.25	9.86	8.29	-3.54	4.75	-13.51	1.25	9.86	8.29	-2.15	6.14
	40	0.25	0.00	-14.69	1.25	9.86	8.29	-3.33	4.96	-13.91	1.25	9.86	8.29	-2.55	5.74
5300	37	0.25	0.00	-14.64	1.25	9.87	8.29	-3.27	5.02	-14.08	1.25	9.87	8.29	-2.71	5.58
	38	0.25	0.00	-14.34	1.25	9.87	8.29	-2.97	5.32	-13.60	1.25	9.87	8.29	-2.23	6.06
	40	0.25	0.00	-14.70	1.25	9.87	8.29	-3.33	4.96	-13.85	1.25	9.87	8.29	-2.48	5.81
5320	37	0.25	0.00	-14.07	1.25	9.87	8.29	-2.70	5.59	-14.05	1.25	9.87	8.29	-2.68	5.61
	38	0.25	0.00	-14.22	1.25	9.87	8.29	-2.85	5.44	-13.55	1.25	9.87	8.29	-2.18	6.11
	40	0.25	0.00	-14.48	1.25	9.87	8.29	-3.11	5.18	-13.66	1.25	9.87	8.29	-2.29	6.00

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 2, 2021
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-20 OFDMA (52-tone RU)

Antenna 1+3								Applied limit: 15.407, mobile and portable client device							
Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
		1 [mW/MHz]	3 [mW/MHz]	Sum [mW/MHz]				1 [mW/MHz]	3 [mW/MHz]	Sum [mW/MHz]					
5500	37	0.36	0.42	0.78	-1.09	8.71	9.80	2.41	2.84	5.25	7.20	17.00	9.80		
	38	0.39	0.45	0.83	-0.79	8.71	9.50	2.61	3.01	5.62	7.50	17.00	9.50		
	40	0.35	0.42	0.77	-1.15	8.71	9.86	2.33	2.85	5.18	7.14	17.00	9.86		
5580	37	0.44	0.52	0.96	-0.16	8.71	8.87	3.00	3.50	6.50	8.13	17.00	8.87		
	38	0.45	0.52	0.98	-0.11	8.71	8.82	3.04	3.54	6.58	8.18	17.00	8.82		
	40	0.41	0.56	0.97	-0.14	8.71	8.85	2.76	3.77	6.53	8.15	17.00	8.85		
5700	37	0.49	0.59	1.09	0.36	8.71	8.35	3.33	4.01	7.34	8.65	17.00	8.35		
	38	0.52	0.66	1.17	0.70	8.71	8.01	3.48	4.44	7.92	8.99	17.00	8.01		
	40	0.52	0.59	1.11	0.44	8.71	8.27	3.50	3.96	7.46	8.73	17.00	8.27		
5720	37	0.49	0.57	1.06	0.24	8.71	8.47	3.30	3.83	7.12	8.53	17.00	8.47		
	38	0.55	0.58	1.13	0.53	8.71	8.18	3.68	3.94	7.63	8.82	17.00	8.18		
	40	0.52	0.54	1.06	0.26	8.71	8.45	3.49	3.67	7.16	8.55	17.00	8.45		
5745	37	0.21	0.30	0.50	-2.98	27.71	30.69	1.38	2.01	3.40	5.31	36.00	30.69		
	38	0.21	0.30	0.51	-2.92	27.71	30.63	1.41	2.04	3.45	5.37	36.00	30.63		
	40	0.21	0.30	0.51	-2.89	27.71	30.60	1.44	2.03	3.47	5.40	36.00	30.60		
5785	37	0.15	0.27	0.42	-3.72	27.71	31.43	1.04	1.82	2.87	4.57	36.00	31.43		
	38	0.18	0.27	0.45	-3.49	27.71	31.20	1.19	1.83	3.02	4.80	36.00	31.20		
	40	0.17	0.27	0.44	-3.56	27.71	31.27	1.16	1.81	2.97	4.73	36.00	31.27		
5825	37	0.17	0.26	0.43	-3.66	27.71	31.37	1.16	1.75	2.91	4.63	36.00	31.37		
	38	0.18	0.18	0.36	-4.45	27.71	32.16	1.21	1.21	2.42	3.84	36.00	32.16		
	40	0.17	0.17	0.35	-4.62	27.71	32.33	1.15	1.18	2.33	3.67	36.00	32.33		

				Antenna 1					Antenna 3						
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	e.i.r.p.
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5500	37	0.25	0.00	-15.96	1.36	9.88	8.29	-4.47	3.82	-15.25	1.36	9.88	8.29	-3.76	4.53
	38	0.25	0.00	-15.62	1.36	9.88	8.29	-4.13	4.16	-14.99	1.36	9.88	8.29	-3.50	4.79
	40	0.25	0.00	-16.11	1.36	9.88	8.29	-4.62	3.67	-15.23	1.36	9.88	8.29	-3.74	4.55
5580	37	0.25	0.00	-15.01	1.36	9.88	8.29	-3.52	4.77	-14.34	1.36	9.88	8.29	-2.85	5.44
	38	0.25	0.00	-14.95	1.36	9.88	8.29	-3.46	4.83	-14.29	1.36	9.88	8.29	-2.80	5.49
	40	0.25	0.00	-15.37	1.36	9.88	8.29	-3.88	4.41	-14.02	1.36	9.88	8.29	-2.53	5.76
5700	37	0.25	0.00	-14.58	1.37	9.89	8.29	-3.07	5.22	-13.77	1.37	9.89	8.29	-2.26	6.03
	38	0.25	0.00	-14.38	1.37	9.89	8.29	-2.87	5.42	-13.33	1.37	9.89	8.29	-1.82	6.47
	40	0.25	0.00	-14.36	1.37	9.89	8.29	-2.85	5.44	-13.82	1.37	9.89	8.29	-2.31	5.98
5720	37	0.25	0.00	-14.62	1.37	9.89	8.29	-3.11	5.18	-13.97	1.37	9.89	8.29	-2.46	5.83
	38	0.25	0.00	-14.14	1.37	9.89	8.29	-2.63	5.66	-13.84	1.37	9.89	8.29	-2.33	5.96
	40	0.25	0.00	-14.37	1.37	9.89	8.29	-2.86	5.43	-14.15	1.37	9.89	8.29	-2.64	5.65
5745	37	0.25	0.27	-18.66	1.37	9.89	8.29	-6.88	1.41	-17.03	1.37	9.89	8.29	-5.25	3.04
	38	0.25	0.27	-18.58	1.37	9.89	8.29	-6.80	1.49	-16.98	1.37	9.89	8.29	-5.20	3.09
	40	0.25	0.27	-18.49	1.37	9.89	8.29	-6.71	1.58	-17.00	1.37	9.89	8.29	-5.22	3.07
5785	37	0.25	0.27	-19.90	1.38	9.89	8.29	-8.11	0.18	-17.47	1.38	9.89	8.29	-5.68	2.61
	38	0.25	0.27	-19.32	1.38	9.89	8.29	-7.53	0.76	-17.46	1.38	9.89	8.29	-5.67	2.62
	40	0.25	0.27	-19.44	1.38	9.89	8.29	-7.66	0.63	-17.49	1.38	9.89	8.29	-5.70	2.59
5825	37	0.25	0.27	-19.45	1.38	9.89	8.29	-7.66	0.63	-17.65	1.38	9.89	8.29	-5.86	2.43
	38	0.25	0.27	-19.26	1.38	9.89	8.29	-7.47	0.82	-19.23	1.38	9.89	8.29	-7.45	0.84
	40	0.25	0.27	-19.46	1.38	9.89	8.29	-7.67	0.62	-19.37	1.38	9.89	8.29	-7.58	0.71

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

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Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 2, 2021
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-20 OFDMA (106-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1	3	Sum					1	3	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5180	53	0.25	0.35	0.61	-2.17	8.71	10.88		1.70	2.39	4.09	6.12	17.00	10.88	
	54	0.25	0.39	0.64	-1.95	8.71	10.66		1.70	2.60	4.30	6.34	17.00	10.66	
5220	53	0.28	0.39	0.67	-1.76	8.71	10.47		1.87	2.63	4.50	6.53	17.00	10.47	
	54	0.30	0.39	0.69	-1.64	8.71	10.35		2.00	2.63	4.63	6.65	17.00	10.35	
5240	53	0.30	0.40	0.71	-1.51	8.71	10.22		2.05	2.72	4.76	6.78	17.00	10.22	
	54	0.32	0.39	0.71	-1.48	8.71	10.19		2.14	2.65	4.79	6.81	17.00	10.19	
5260	53	0.42	0.54	0.96	-0.17	8.71	8.88		2.82	3.67	6.49	8.12	17.00	8.88	
	54	0.43	0.54	0.97	-0.14	8.71	8.85		2.91	3.61	6.52	8.15	17.00	8.85	
5300	53	0.45	0.55	1.00	0.00	8.71	8.71		3.04	3.70	6.74	8.29	17.00	8.71	
	54	0.44	0.55	0.99	-0.04	8.71	8.75		2.96	3.73	6.69	8.25	17.00	8.75	
5320	53	0.45	0.52	0.97	-0.14	8.71	8.85		3.03	3.50	6.53	8.15	17.00	8.85	
	54	0.46	0.51	0.97	-0.15	8.71	8.86		3.08	3.44	6.52	8.14	17.00	8.86	

Antenna 1										Antenna 3						
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
5180	53	0.23	0.00	-17.31	1.24	9.86	8.29	-5.98	2.31	-15.84	1.24	9.86	8.29	-4.51	3.78	
	54	0.23	0.00	-17.31	1.24	9.86	8.29	-5.98	2.31	-15.47	1.24	9.86	8.29	-4.14	4.15	
5220	53	0.23	0.00	-16.90	1.24	9.86	8.29	-5.57	2.72	-15.42	1.24	9.86	8.29	-4.09	4.20	
	54	0.23	0.00	-16.62	1.24	9.86	8.29	-5.29	3.00	-15.42	1.24	9.86	8.29	-4.09	4.20	
5240	53	0.23	0.00	-16.51	1.24	9.86	8.29	-5.18	3.11	-15.28	1.24	9.86	8.29	-3.95	4.34	
	54	0.23	0.00	-16.32	1.24	9.86	8.29	-4.99	3.30	-15.38	1.24	9.86	8.29	-4.05	4.24	
5260	53	0.23	0.00	-15.13	1.25	9.86	8.29	-3.79	4.50	-13.98	1.25	9.86	8.29	-2.64	5.65	
	54	0.23	0.00	-14.99	1.25	9.86	8.29	-3.65	4.64	-14.05	1.25	9.86	8.29	-2.71	5.58	
5300	53	0.23	0.00	-14.81	1.25	9.87	8.29	-3.46	4.83	-13.96	1.25	9.87	8.29	-2.61	5.68	
	54	0.23	0.00	-14.93	1.25	9.87	8.29	-3.58	4.71	-13.92	1.25	9.87	8.29	-2.57	5.72	
5320	53	0.23	0.00	-14.82	1.25	9.87	8.29	-3.47	4.82	-14.20	1.25	9.87	8.29	-2.85	5.44	
	54	0.23	0.00	-14.75	1.25	9.87	8.29	-3.40	4.89	-14.28	1.25	9.87	8.29	-2.93	5.36	

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

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Maximum Power Spectral Density

Report No. 13671144H
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Date February 8, 2021 February 2, 2021
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-20 OFDMA (106-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1	3	Sum					1	3	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5500	53	0.33	0.40	0.72	-1.41	8.71	10.12	2.20	2.68	4.88	6.88	17.00	10.12		
	54	0.34	0.43	0.77	-1.16	8.71	9.87	2.28	2.88	5.16	7.13	17.00	9.87		
5580	53	0.40	0.52	0.92	-0.36	8.71	9.07	2.70	3.50	6.20	7.93	17.00	9.07		
	54	0.38	0.50	0.88	-0.54	8.71	9.25	2.56	3.39	5.95	7.75	17.00	9.25		
5700	53	0.45	0.56	1.01	0.05	8.71	8.66	3.03	3.80	6.83	8.34	17.00	8.66		
	54	0.45	0.55	1.00	-0.01	8.71	8.72	3.03	3.70	6.73	8.28	17.00	8.72		
5720	53	0.45	0.56	1.02	0.07	8.71	8.64	3.07	3.78	6.85	8.36	17.00	8.64		
	54	0.46	0.55	1.01	0.05	8.71	8.66	3.13	3.69	6.82	8.34	17.00	8.66		
5745	53	0.20	0.30	0.49	-3.06	27.71	30.77	1.34	1.99	3.34	5.23	36.00	30.77		
	54	0.21	0.27	0.48	-3.21	27.71	30.92	1.38	1.84	3.22	5.08	36.00	30.92		
5785	53	0.22	0.26	0.48	-3.15	27.71	30.86	1.49	1.78	3.27	5.14	36.00	30.86		
	54	0.23	0.25	0.48	-3.18	27.71	30.89	1.56	1.69	3.25	5.11	36.00	30.89		
5825	53	0.26	0.24	0.51	-2.96	27.71	30.67	1.77	1.64	3.41	5.33	36.00	30.67		
	54	0.28	0.22	0.49	-3.07	27.71	30.78	1.87	1.46	3.33	5.22	36.00	30.78		

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1				Antenna 3				Antenna 3			
				PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5500	53	0.23	0.00	-16.34	1.36	9.88	8.29	-4.87	3.42	-15.48	1.36	9.88	8.29	-4.01	4.28
	54	0.23	0.00	-16.18	1.36	9.88	8.29	-4.71	3.58	-15.16	1.36	9.88	8.29	-3.69	4.60
5580	53	0.23	0.00	-15.44	1.36	9.88	8.29	-3.97	4.32	-14.32	1.36	9.88	8.29	-2.85	5.44
	54	0.23	0.00	-15.67	1.36	9.88	8.29	-4.20	4.09	-14.46	1.36	9.88	8.29	-2.99	5.30
5700	53	0.23	0.00	-14.97	1.37	9.89	8.29	-3.48	4.81	-13.98	1.37	9.89	8.29	-2.49	5.80
	54	0.23	0.00	-14.97	1.37	9.89	8.29	-3.48	4.81	-14.10	1.37	9.89	8.29	-2.61	5.68
5720	53	0.23	0.00	-14.91	1.37	9.89	8.29	-3.42	4.87	-14.00	1.37	9.89	8.29	-2.51	5.78
	54	0.23	0.00	-14.82	1.37	9.89	8.29	-3.33	4.96	-14.11	1.37	9.89	8.29	-2.62	5.67
5745	53	0.23	0.27	-18.77	1.37	9.89	8.29	-7.01	1.28	-17.05	1.37	9.89	8.29	-5.29	3.00
	54	0.23	0.27	-18.64	1.37	9.89	8.29	-6.88	1.41	-17.40	1.37	9.89	8.29	-5.64	2.65
5785	53	0.23	0.27	-18.33	1.38	9.89	8.29	-6.56	1.73	-17.56	1.38	9.89	8.29	-5.79	2.50
	54	0.23	0.27	-18.14	1.38	9.89	8.29	-6.37	1.92	-17.78	1.38	9.89	8.29	-6.01	2.28
5825	53	0.23	0.27	-17.59	1.38	9.89	8.29	-5.82	2.47	-17.90	1.38	9.89	8.29	-6.13	2.16
	54	0.23	0.27	-17.34	1.38	9.89	8.29	-5.57	2.72	-18.43	1.38	9.89	8.29	-6.66	1.63

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 2, 2021
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 38 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-20 OFDMA (242-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.26	0.36	0.63	-2.04	8.71	10.75	1.79	2.43	4.22	6.25	17.00	10.75
5220	0.28	0.36	0.64	-1.97	8.71	10.68	1.86	2.43	4.28	6.32	17.00	10.68
5240	0.27	0.39	0.66	-1.81	8.71	10.52	1.84	2.61	4.45	6.48	17.00	10.52
5260	0.47	0.55	1.01	0.06	8.71	8.65	3.16	3.69	6.84	8.35	17.00	8.65
5300	0.50	0.57	1.07	0.28	8.71	8.43	3.35	3.85	7.20	8.57	17.00	8.43
5320	0.46	0.56	1.02	0.09	8.71	8.62	3.11	3.78	6.89	8.38	17.00	8.62
5500	0.42	0.46	0.88	-0.56	8.71	9.27	2.81	3.12	5.92	7.73	17.00	9.27
5580	0.42	0.53	0.95	-0.22	8.71	8.93	2.84	3.56	6.41	8.07	17.00	8.93
5700	0.51	0.55	1.06	0.25	8.71	8.46	3.44	3.72	7.15	8.54	17.00	8.46
5720	0.54	0.58	1.12	0.47	8.71	8.24	3.62	3.90	7.52	8.76	17.00	8.24
5745	0.24	0.33	0.57	-2.44	27.71	30.15	1.62	2.23	3.85	5.85	36.00	30.15
5785	0.27	0.31	0.57	-2.40	27.71	30.11	1.80	2.08	3.88	5.89	36.00	30.11
5825	0.30	0.28	0.58	-2.38	27.71	30.09	2.03	1.87	3.90	5.91	36.00	30.09

			Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.24	0.00	-17.11	1.24	9.86	8.29	-5.77	2.52	-15.77	1.24	9.86	8.29	-4.43	3.86
5220	0.24	0.00	-16.94	1.24	9.86	8.29	-5.60	2.69	-15.78	1.24	9.86	8.29	-4.44	3.85
5240	0.24	0.00	-16.98	1.24	9.86	8.29	-5.64	2.65	-15.47	1.24	9.86	8.29	-4.13	4.16
5260	0.24	0.00	-14.65	1.25	9.86	8.29	-3.30	4.99	-13.97	1.25	9.86	8.29	-2.62	5.67
5300	0.24	0.00	-14.40	1.25	9.87	8.29	-3.04	5.25	-13.80	1.25	9.87	8.29	-2.44	5.85
5320	0.24	0.00	-14.72	1.25	9.87	8.29	-3.36	4.93	-13.88	1.25	9.87	8.29	-2.52	5.77
5500	0.24	0.00	-15.29	1.36	9.88	8.29	-3.81	4.48	-14.83	1.36	9.88	8.29	-3.35	4.94
5580	0.24	0.00	-15.23	1.36	9.88	8.29	-3.75	4.54	-14.25	1.36	9.88	8.29	-2.77	5.52
5700	0.24	0.00	-14.43	1.37	9.89	8.29	-2.93	5.36	-14.09	1.37	9.89	8.29	-2.59	5.70
5720	0.24	0.00	-14.20	1.37	9.89	8.29	-2.70	5.59	-13.88	1.37	9.89	8.29	-2.38	5.91
5745	0.24	0.27	-17.97	1.37	9.89	8.29	-6.20	2.09	-16.58	1.37	9.89	8.29	-4.81	3.48
5785	0.24	0.27	-17.52	1.38	9.89	8.29	-5.74	2.55	-16.89	1.38	9.89	8.29	-5.11	3.18
5825	0.24	0.27	-17.00	1.38	9.89	8.29	-5.22	3.07	-17.34	1.38	9.89	8.29	-5.56	2.73

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 23, 2021
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Junya Okuno
Mode Tx 11n-40

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna 1 [mW/MHz]	Antenna 3 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna 1 [mW/MHz]	Antenna 3 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
5190	0.13	0.18	0.32	-4.98	8.71	13.69	0.90	1.24	2.14	3.31	17.00	13.69
5230	0.15	0.18	0.33	-4.84	8.71	13.55	1.00	1.22	2.21	3.45	17.00	13.55
5270	0.22	0.28	0.51	-2.95	8.71	11.66	1.52	1.90	3.42	5.34	17.00	11.66
5310	0.22	0.27	0.49	-3.10	8.71	11.81	1.51	1.79	3.30	5.19	17.00	11.81
5510	0.19	0.24	0.43	-3.63	8.71	12.34	1.29	1.63	2.93	4.66	17.00	12.34
5550	0.19	0.27	0.47	-3.30	8.71	12.01	1.32	1.84	3.15	4.99	17.00	12.01
5670	0.23	0.29	0.52	-2.84	8.71	11.55	1.53	1.97	3.51	5.45	17.00	11.55
5710	0.22	0.27	0.49	-3.06	8.71	11.77	1.50	1.84	3.34	5.23	17.00	11.77
5755	0.12	0.14	0.26	-5.78	27.71	33.49	0.84	0.94	1.78	2.51	36.00	33.49
5795	0.13	0.13	0.26	-5.82	27.71	33.53	0.87	0.89	1.77	2.47	36.00	33.53

Tested Frequency [MHz]	Antenna 1						Antenna 3							
	Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5190	0.05	0.00	-19.37	0.70	9.88	8.29	-8.74	-0.45	-17.98	0.70	9.88	8.29	-7.35	0.94
5230	0.05	0.00	-18.94	0.70	9.88	8.29	-8.31	-0.02	-18.06	0.70	9.88	8.29	-7.43	0.86
5270	0.05	0.00	-17.11	0.70	9.88	8.29	-6.48	1.81	-16.13	0.70	9.88	8.29	-5.50	2.79
5310	0.05	0.00	-17.14	0.70	9.88	8.29	-6.51	1.78	-16.38	0.70	9.88	8.29	-5.75	2.54
5510	0.05	0.00	-17.90	0.80	9.88	8.29	-7.17	1.12	-16.89	0.80	9.88	8.29	-6.16	2.13
5550	0.05	0.00	-17.83	0.80	9.88	8.29	-7.10	1.19	-16.38	0.80	9.88	8.29	-5.65	2.64
5670	0.05	0.00	-17.17	0.80	9.89	8.29	-6.43	1.86	-16.08	0.80	9.89	8.29	-5.34	2.95
5710	0.05	0.00	-17.27	0.80	9.89	8.29	-6.53	1.76	-16.39	0.80	9.89	8.29	-5.65	2.64
5755	0.05	0.27	-20.07	0.80	9.90	8.29	-9.05	-0.76	-19.57	0.80	9.90	8.29	-8.55	-0.26
5795	0.05	0.27	-19.89	0.80	9.90	8.29	-8.87	-0.58	-19.80	0.80	9.90	8.29	-8.78	-0.49

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 23, 2021
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Junya Okuno
Mode Tx 11ac-40

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.13	0.18	0.31	-5.14	8.71	13.85	0.88	1.18	2.06	3.15	17.00	13.85
5230	0.15	0.19	0.33	-4.76	8.71	13.47	0.98	1.27	2.25	3.53	17.00	13.47
5270	0.23	0.29	0.52	-2.83	8.71	11.54	1.55	1.97	3.52	5.46	17.00	11.54
5310	0.23	0.28	0.51	-2.90	8.71	11.61	1.56	1.90	3.46	5.39	17.00	11.61
5510	0.18	0.24	0.42	-3.74	8.71	12.45	1.22	1.63	2.85	4.55	17.00	12.45
5550	0.20	0.26	0.46	-3.39	8.71	12.10	1.37	1.72	3.09	4.90	17.00	12.10
5670	0.23	0.29	0.52	-2.87	8.71	11.58	1.55	1.93	3.48	5.42	17.00	11.58
5710	0.24	0.27	0.51	-2.92	8.71	11.63	1.62	1.83	3.45	5.37	17.00	11.63
5755	0.12	0.15	0.27	-5.76	27.71	33.47	0.80	0.99	1.79	2.53	36.00	33.47
5795	0.13	0.13	0.26	-5.79	27.71	33.50	0.89	0.89	1.78	2.50	36.00	33.50

Tested Frequency [MHz]	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1					Antenna 3					PSD Result	
			PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.
			[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	0.05	0.00	-19.47	0.70	9.88	8.29	-8.84	-0.55	-18.19	0.70	9.88	8.29	-7.56	0.73
5230	0.05	0.00	-19.00	0.70	9.88	8.29	-8.37	-0.08	-17.88	0.70	9.88	8.29	-7.25	1.04
5270	0.05	0.00	-17.02	0.70	9.88	8.29	-6.39	1.90	-15.98	0.70	9.88	8.29	-5.35	2.94
5310	0.05	0.00	-16.98	0.70	9.88	8.29	-6.35	1.94	-16.14	0.70	9.88	8.29	-5.51	2.78
5510	0.05	0.00	-18.14	0.80	9.88	8.29	-7.41	0.88	-16.91	0.80	9.88	8.29	-6.18	2.11
5550	0.05	0.00	-17.65	0.80	9.88	8.29	-6.92	1.37	-16.66	0.80	9.88	8.29	-5.93	2.36
5670	0.05	0.00	-17.12	0.80	9.89	8.29	-6.38	1.91	-16.18	0.80	9.89	8.29	-5.44	2.85
5710	0.05	0.00	-16.94	0.80	9.89	8.29	-6.20	2.09	-16.41	0.80	9.89	8.29	-5.67	2.62
5755	0.05	0.27	-20.28	0.80	9.90	8.29	-9.26	-0.97	-19.35	0.80	9.90	8.29	-8.33	-0.04
5795	0.05	0.27	-19.80	0.80	9.90	8.29	-8.78	-0.49	-19.83	0.80	9.90	8.29	-8.81	-0.52

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 23, 2021
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Junya Okuno
Mode Tx 11ax-40 (OFDM)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.13	0.18	0.32	-4.98	8.71	13.69	0.89	1.25	2.14	3.31	17.00	13.69
5230	0.15	0.20	0.35	-4.60	8.71	13.31	1.00	1.34	2.34	3.69	17.00	13.31
5270	0.23	0.31	0.54	-2.66	8.71	11.37	1.56	2.10	3.66	5.63	17.00	11.37
5310	0.23	0.30	0.53	-2.78	8.71	11.49	1.54	2.02	3.56	5.51	17.00	11.49
5510	0.19	0.24	0.44	-3.58	8.71	12.29	1.31	1.65	2.96	4.71	17.00	12.29
5550	0.20	0.27	0.47	-3.31	8.71	12.02	1.34	1.81	3.15	4.98	17.00	12.02
5670	0.24	0.31	0.55	-2.61	8.71	11.32	1.63	2.07	3.69	5.68	17.00	11.32
5710	0.24	0.29	0.53	-2.72	8.71	11.43	1.64	1.96	3.60	5.57	17.00	11.43
5755	0.12	0.16	0.28	-5.59	27.71	33.30	0.81	1.05	1.86	2.70	36.00	33.30
5795	0.13	0.14	0.28	-5.57	27.71	33.28	0.90	0.97	1.87	2.72	36.00	33.28

Antenna 1								Antenna 3							
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD	Cable	Atten.	Antenna	PSD Result	PSD	Cable	Atten.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond.	e.i.r.p.	Reading	Loss	Loss	Gain	Cond.	e.i.r.p.	Loss
							[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.07	0.00	-19.43	0.70	9.88	8.29	-8.78	-0.49	-17.98	0.70	9.88	8.29	-7.33	0.96	0.70
5230	0.07	0.00	-18.94	0.70	9.88	8.29	-8.29	0.00	-17.68	0.70	9.88	8.29	-7.03	1.26	0.70
5270	0.07	0.00	-17.02	0.70	9.88	8.29	-6.37	1.92	-15.71	0.70	9.88	8.29	-5.06	3.23	0.70
5310	0.07	0.00	-17.06	0.70	9.88	8.29	-6.41	1.88	-15.89	0.70	9.88	8.29	-5.24	3.05	0.70
5510	0.07	0.00	-17.86	0.80	9.88	8.29	-7.11	1.18	-16.87	0.80	9.88	8.29	-6.12	2.17	0.80
5550	0.07	0.00	-17.77	0.80	9.88	8.29	-7.02	1.27	-16.47	0.80	9.88	8.29	-5.72	2.57	0.80
5670	0.07	0.00	-16.93	0.80	9.89	8.29	-6.17	2.12	-15.90	0.80	9.89	8.29	-5.14	3.15	0.80
5710	0.07	0.00	-16.90	0.80	9.89	8.29	-6.14	2.15	-16.12	0.80	9.89	8.29	-5.36	2.93	0.80
5755	0.07	0.27	-20.24	0.80	9.90	8.29	-9.20	-0.91	-19.12	0.80	9.90	8.29	-8.08	0.21	0.80
5795	0.07	0.27	-19.78	0.80	9.90	8.29	-8.74	-0.45	-19.46	0.80	9.90	8.29	-8.42	-0.13	0.80

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 3, 2021
Temperature / Humidity 22 deg. C / 38 % RH 20 deg. C / 39 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-40 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1	3	Sum					1	3	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5190	0	0.09	0.13	0.22	-6.55	8.71	15.26		0.64	0.86	1.49	1.74	17.00	15.26	
	8	0.12	0.16	0.27	-5.62	8.71	14.33		0.79	1.06	1.85	2.67	17.00	14.33	
	17	0.10	0.13	0.24	-6.28	8.71	14.99		0.69	0.90	1.59	2.01	17.00	14.99	
5230	0	0.11	0.14	0.25	-6.06	8.71	14.77		0.72	0.95	1.67	2.23	17.00	14.77	
	8	0.14	0.18	0.31	-5.04	8.71	13.75		0.91	1.20	2.11	3.25	17.00	13.75	
	17	0.12	0.15	0.27	-5.62	8.71	14.33		0.82	1.03	1.85	2.67	17.00	14.33	
5270	0	0.16	0.21	0.37	-4.36	8.71	13.07		1.05	1.42	2.47	3.93	17.00	13.07	
	8	0.20	0.25	0.45	-3.50	8.71	12.21		1.35	1.67	3.02	4.79	17.00	12.21	
	17	0.17	0.19	0.36	-4.41	8.71	13.12		1.14	1.31	2.44	3.88	17.00	13.12	
5310	0	0.20	0.19	0.40	-4.03	8.71	12.74		1.36	1.30	2.66	4.26	17.00	12.74	
	8	0.21	0.24	0.45	-3.47	8.71	12.18		1.41	1.62	3.03	4.82	17.00	12.18	
	17	0.17	0.20	0.37	-4.35	8.71	13.06		1.15	1.33	2.48	3.94	17.00	13.06	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1					Antenna 3					PSD Result	
				PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]			[dBm/MHz]	[dB]	[dB]	[dBi]		
5190	0	0.23	0.00	-21.57	1.24	9.86	8.29	-10.24	-1.95	-20.30	1.24	9.86	8.29	-8.97	-0.68
	8	0.23	0.00	-20.64	1.24	9.86	8.29	-9.31	-1.02	-19.37	1.24	9.86	8.29	-8.04	0.25
	17	0.23	0.00	-21.23	1.24	9.86	8.29	-9.90	-1.61	-20.09	1.24	9.86	8.29	-8.76	-0.47
5230	0	0.23	0.00	-21.04	1.24	9.86	8.29	-9.71	-1.42	-19.84	1.24	9.86	8.29	-8.51	-0.22
	8	0.23	0.00	-20.02	1.24	9.86	8.29	-8.69	-0.40	-18.82	1.24	9.86	8.29	-7.49	0.80
	17	0.23	0.00	-20.49	1.24	9.86	8.29	-9.16	-0.87	-19.49	1.24	9.86	8.29	-8.16	0.13
5270	0	0.23	0.00	-19.43	1.25	9.86	8.29	-8.09	0.20	-18.10	1.25	9.86	8.29	-6.76	1.53
	8	0.23	0.00	-18.33	1.25	9.86	8.29	-6.99	1.30	-17.41	1.25	9.86	8.29	-6.07	2.22
	17	0.23	0.00	-19.07	1.25	9.86	8.29	-7.73	0.56	-18.47	1.25	9.86	8.29	-7.13	1.16
5310	0	0.23	0.00	-18.29	1.25	9.87	8.29	-6.94	1.35	-18.50	1.25	9.87	8.29	-7.15	1.14
	8	0.23	0.00	-18.14	1.25	9.87	8.29	-6.79	1.50	-17.54	1.25	9.87	8.29	-6.19	2.10
	17	0.23	0.00	-19.05	1.25	9.87	8.29	-7.70	0.59	-18.40	1.25	9.87	8.29	-7.05	1.24

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-

5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 3, 2021
Temperature / Humidity 22 deg. C / 38 % RH 20 deg. C / 39 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-40 OFDMA (26-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		1 [mW/MHz]	3 [mW/MHz]	Sum [mW/MHz]				1 [mW/MHz]	3 [mW/MHz]	Sum [mW/MHz]			
5510	0	0.11	0.14	0.25	-5.96	8.71	14.67	0.77	0.94	1.71	2.33	17.00	14.67
	8	0.14	0.18	0.32	-4.96	8.71	13.67	0.97	1.18	2.15	3.33	17.00	13.67
	17	0.13	0.15	0.27	-5.61	8.71	14.32	0.86	0.99	1.85	2.68	17.00	14.32
5550	0	0.13	0.15	0.28	-5.48	8.71	14.19	0.87	1.04	1.91	2.81	17.00	14.19
	8	0.16	0.20	0.36	-4.46	8.71	13.17	1.07	1.34	2.41	3.83	17.00	13.17
	17	0.14	0.17	0.32	-5.00	8.71	13.71	0.97	1.16	2.14	3.29	17.00	13.71
5670	0	0.18	0.20	0.38	-4.16	8.71	12.87	1.23	1.36	2.59	4.13	17.00	12.87
	8	0.19	0.25	0.44	-3.58	8.71	12.29	1.30	1.66	2.96	4.71	17.00	12.29
	17	0.18	0.20	0.38	-4.15	8.71	12.86	1.22	1.37	2.59	4.14	17.00	12.86
5710	0	0.17	0.18	0.36	-4.47	8.71	13.18	1.17	1.24	2.41	3.82	17.00	13.18
	8	0.19	0.23	0.42	-3.77	8.71	12.48	1.31	1.52	2.83	4.52	17.00	12.48
	17	0.15	0.18	0.33	-4.76	8.71	13.47	1.02	1.23	2.25	3.53	17.00	13.47
5755	0	0.07	0.11	0.18	-7.36	27.71	35.07	0.50	0.73	1.24	0.93	36.00	35.07
	8	0.09	0.13	0.23	-6.46	27.71	34.17	0.62	0.90	1.52	1.83	36.00	34.17
	17	0.09	0.11	0.19	-7.18	27.71	34.89	0.58	0.71	1.29	1.11	36.00	34.89
5795	0	0.09	0.11	0.20	-7.04	27.71	34.75	0.62	0.71	1.33	1.25	36.00	34.75
	8	0.10	0.12	0.23	-6.45	27.71	34.16	0.70	0.83	1.53	1.84	36.00	34.16
	17	0.10	0.10	0.19	-7.14	27.71	34.85	0.64	0.66	1.30	1.15	36.00	34.85

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1						Antenna 3					
				PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5510	0	0.23	0.00	-20.90	1.36	9.88	8.29	-9.43	-1.14	-20.03	1.36	9.88	8.29	-8.56	-0.27
	8	0.23	0.00	-19.90	1.36	9.88	8.29	-8.43	-0.14	-19.03	1.36	9.88	8.29	-7.56	0.73
	17	0.23	0.00	-20.41	1.36	9.88	8.29	-8.94	-0.65	-19.79	1.36	9.88	8.29	-8.32	-0.03
5550	0	0.23	0.00	-20.35	1.36	9.88	8.29	-8.88	-0.59	-19.60	1.36	9.88	8.29	-8.13	0.16
	8	0.23	0.00	-19.45	1.36	9.88	8.29	-7.98	0.31	-18.49	1.36	9.88	8.29	-7.02	1.27
	17	0.23	0.00	-19.88	1.36	9.88	8.29	-8.41	-0.12	-19.11	1.36	9.88	8.29	-7.64	0.65
5670	0	0.23	0.00	-18.87	1.37	9.88	8.29	-7.39	0.90	-18.44	1.37	9.88	8.29	-6.96	1.33
	8	0.23	0.00	-18.65	1.37	9.88	8.29	-7.17	1.13	-17.57	1.37	9.88	8.29	-6.09	2.20
	17	0.23	0.00	-18.91	1.37	9.88	8.29	-7.43	0.86	-18.40	1.37	9.88	8.29	-6.92	1.38
5710	0	0.23	0.00	-19.10	1.37	9.89	8.29	-7.61	0.68	-18.84	1.37	9.89	8.29	-7.35	0.94
	8	0.23	0.00	-18.60	1.37	9.89	8.29	-7.11	1.18	-17.95	1.37	9.89	8.29	-6.46	1.83
	17	0.23	0.00	-19.68	1.37	9.89	8.29	-8.19	0.10	-18.88	1.37	9.89	8.29	-7.39	0.90
5755	0	0.23	0.27	-23.04	1.38	9.89	8.29	-11.27	-2.98	-21.40	1.38	9.89	8.29	-9.63	-1.34
	8	0.23	0.27	-22.10	1.38	9.89	8.29	-10.33	-2.04	-20.52	1.38	9.89	8.29	-8.75	-0.46
	17	0.23	0.27	-22.44	1.38	9.89	8.29	-10.67	-2.38	-21.53	1.38	9.89	8.29	-9.76	-1.47
5795	0	0.23	0.27	-22.12	1.38	9.89	8.29	-10.35	-2.06	-21.54	1.38	9.89	8.29	-9.77	-1.48
	8	0.23	0.27	-21.60	1.38	9.89	8.29	-9.83	-1.54	-20.89	1.38	9.89	8.29	-9.12	-0.83
	17	0.23	0.27	-21.97	1.38	9.89	8.29	-10.20	-1.91	-21.86	1.38	9.89	8.29	-10.09	-1.80

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No.	13671144H
Test place	Ise EMC Lab. No.8 Measurement Room
Date	February 8, 2021 February 3, 2021
Temperature / Humidity	22 deg. C / 38 % RH 20 deg. C / 39 % RH
Engineer	Hiroyuki Furutaka Hiroyuki Furutaka
Remarks	ANT1 ANT3
Mode	Tx 11ax-40 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		1	3	Sum				1	3	Sum			
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	37	0.13	0.18	0.31	-5.15	8.71	13.86	0.88	1.18	2.06	3.14	17.00	13.86
	40	0.14	0.18	0.31	-5.03	8.71	13.74	0.93	1.19	2.12	3.26	17.00	13.74
	44	0.15	0.19	0.34	-4.68	8.71	13.39	0.99	1.31	2.30	3.61	17.00	13.39
5230	37	0.16	0.19	0.34	-4.65	8.71	13.36	1.06	1.26	2.31	3.64	17.00	13.36
	40	0.16	0.19	0.35	-4.52	8.71	13.23	1.07	1.31	2.38	3.77	17.00	13.23
	44	0.17	0.22	0.39	-4.08	8.71	12.79	1.14	1.49	2.64	4.21	17.00	12.79
5270	37	0.22	0.25	0.48	-3.21	8.71	11.92	1.51	1.72	3.22	5.08	17.00	11.92
	40	0.21	0.18	0.39	-4.05	8.71	12.76	1.45	1.21	2.65	4.24	17.00	12.76
	44	0.23	0.27	0.50	-3.03	8.71	11.74	1.53	1.83	3.36	5.26	17.00	11.74
5310	37	0.24	0.28	0.52	-2.82	8.71	11.53	1.60	1.92	3.52	5.47	17.00	11.53
	40	0.23	0.27	0.49	-3.07	8.71	11.78	1.52	1.81	3.33	5.22	17.00	11.78
	44	0.24	0.29	0.53	-2.76	8.71	11.47	1.65	1.92	3.58	5.53	17.00	11.47

Tested Frequency [MHz]	RU Index	Antenna 1								Antenna 3							
		Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.		
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]		
5190	37	0.25	0.00	-20.20	1.24	9.86	8.29	-8.85	-0.56	-18.91	1.24	9.86	8.29	-7.56	0.73		
	40	0.25	0.00	-19.95	1.24	9.86	8.29	-8.60	-0.31	-18.89	1.24	9.86	8.29	-7.54	0.75		
	44	0.25	0.00	-19.70	1.24	9.86	8.29	-8.35	-0.06	-18.47	1.24	9.86	8.29	-7.12	1.17		
5230	37	0.25	0.00	-19.40	1.24	9.86	8.29	-8.05	0.24	-18.65	1.24	9.86	8.29	-7.30	0.99		
	40	0.25	0.00	-19.34	1.24	9.86	8.29	-7.99	0.30	-18.46	1.24	9.86	8.29	-7.11	1.18		
	44	0.25	0.00	-19.06	1.24	9.86	8.29	-7.71	0.58	-17.90	1.24	9.86	8.29	-6.55	1.74		
5270	37	0.25	0.00	-17.87	1.25	9.86	8.29	-6.51	1.78	-17.30	1.25	9.86	8.29	-5.94	2.35		
	40	0.25	0.00	-18.05	1.25	9.86	8.29	-6.69	1.60	-18.83	1.25	9.86	8.29	-7.47	0.82		
	44	0.25	0.00	-17.80	1.25	9.86	8.29	-6.44	1.85	-17.03	1.25	9.86	8.29	-5.67	2.62		
5310	37	0.25	0.00	-17.61	1.25	9.87	8.29	-6.24	2.05	-16.83	1.25	9.87	8.29	-5.46	2.83		
	40	0.25	0.00	-17.84	1.25	9.87	8.29	-6.47	1.82	-17.09	1.25	9.87	8.29	-5.72	2.57		
	44	0.25	0.00	-17.48	1.25	9.87	8.29	-6.11	2.18	-16.82	1.25	9.87	8.29	-5.45	2.84		

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz - 5850 MHz for IC)

UL Japan, Inc.

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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 4, 2021
Temperature / Humidity 22 deg. C / 38 % RH 24 deg. C / 41 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-40 OFDMA (52-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		1 [mW/MHz]	3 [mW/MHz]	Sum [mW/MHz]				1 [mW/MHz]	3 [mW/MHz]	Sum [mW/MHz]			
5510	37	0.18	0.20	0.38	-4.23	8.71	12.94	1.19	1.36	2.55	4.06	17.00	12.94
	40	0.17	0.20	0.37	-4.34	8.71	13.05	1.12	1.36	2.48	3.95	17.00	13.05
	44	0.18	0.22	0.40	-3.99	8.71	12.70	1.24	1.46	2.69	4.30	17.00	12.70
5550	37	0.19	0.23	0.43	-3.71	8.71	12.42	1.29	1.58	2.87	4.58	17.00	12.42
	40	0.19	0.23	0.42	-3.81	8.71	12.52	1.26	1.55	2.81	4.48	17.00	12.52
	44	0.18	0.25	0.43	-3.64	8.71	12.35	1.23	1.68	2.92	4.65	17.00	12.35
5670	37	0.24	0.29	0.53	-2.77	8.71	11.48	1.63	1.93	3.56	5.52	17.00	11.48
	40	0.22	0.27	0.49	-3.08	8.71	11.79	1.51	1.81	3.32	5.21	17.00	11.79
	44	0.23	0.28	0.51	-2.91	8.71	11.62	1.57	1.89	3.45	5.38	17.00	11.62
5710	37	0.24	0.28	0.52	-2.81	8.71	11.52	1.63	1.90	3.53	5.48	17.00	11.52
	40	0.22	0.28	0.50	-3.01	8.71	11.72	1.51	1.86	3.38	5.28	17.00	11.72
	44	0.25	0.27	0.52	-2.85	8.71	11.56	1.66	1.85	3.50	5.44	17.00	11.56
5755	37	0.10	0.15	0.24	-6.15	27.71	33.86	0.66	0.98	1.64	2.14	36.00	33.86
	40	0.10	0.14	0.24	-6.20	27.71	33.91	0.68	0.93	1.62	2.09	36.00	33.91
	44	0.10	0.14	0.24	-6.16	27.71	33.87	0.70	0.93	1.63	2.13	36.00	33.87
5795	37	0.12	0.13	0.24	-6.17	27.71	33.88	0.78	0.85	1.63	2.12	36.00	33.88
	40	0.13	0.13	0.26	-5.85	27.71	33.56	0.86	0.89	1.75	2.44	36.00	33.56
	44	0.14	0.12	0.26	-5.93	27.71	33.64	0.93	0.79	1.72	2.36	36.00	33.64

				Antenna 1						Antenna 3					
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5510	37	0.25	0.00	-19.02	1.36	9.88	8.29	-7.53	0.76	-18.45	1.36	9.88	8.29	-6.96	1.33
	40	0.25	0.00	-19.29	1.36	9.88	8.29	-7.80	0.49	-18.43	1.36	9.88	8.29	-6.94	1.35
	44	0.25	0.00	-18.85	1.36	9.88	8.29	-7.36	0.93	-18.15	1.36	9.88	8.29	-6.66	1.63
5550	37	0.25	0.00	-18.69	1.36	9.88	8.29	-7.20	1.09	-17.78	1.36	9.88	8.29	-6.29	2.00
	40	0.25	0.00	-18.78	1.36	9.88	8.29	-7.29	1.00	-17.88	1.36	9.88	8.29	-6.39	1.90
	44	0.25	0.00	-18.87	1.36	9.88	8.29	-7.38	0.91	-17.52	1.36	9.88	8.29	-6.03	2.26
5670	37	0.25	0.00	-17.67	1.37	9.88	8.29	-6.17	2.12	-16.93	1.37	9.88	8.29	-5.43	2.86
	40	0.25	0.00	-17.99	1.37	9.88	8.29	-6.49	1.80	-17.22	1.37	9.88	8.29	-5.72	2.57
	44	0.25	0.00	-17.84	1.37	9.88	8.29	-6.34	1.95	-17.03	1.37	9.88	8.29	-5.53	2.76
5710	37	0.25	0.00	-17.67	1.37	9.89	8.29	-6.16	2.13	-17.02	1.37	9.89	8.29	-5.51	2.78
	40	0.25	0.00	-18.00	1.37	9.89	8.29	-6.49	1.80	-17.10	1.37	9.89	8.29	-5.59	2.70
	44	0.25	0.00	-17.61	1.37	9.89	8.29	-6.10	2.19	-17.14	1.37	9.89	8.29	-5.63	2.66
5755	37	0.25	0.27	-21.90	1.38	9.89	8.29	-10.11	-1.82	-20.17	1.38	9.89	8.29	-8.38	-0.09
	40	0.25	0.27	-21.73	1.38	9.89	8.29	-9.94	-1.65	-20.38	1.38	9.89	8.29	-8.59	-0.30
	44	0.25	0.27	-21.62	1.38	9.89	8.29	-9.83	-1.54	-20.38	1.38	9.89	8.29	-8.59	-0.30
5795	37	0.25	0.27	-21.14	1.38	9.89	8.29	-9.35	-1.06	-20.80	1.38	9.89	8.29	-9.01	-0.72
	40	0.25	0.27	-20.71	1.38	9.89	8.29	-8.92	-0.63	-20.59	1.38	9.89	8.29	-8.80	-0.51
	44	0.25	0.27	-20.40	1.38	9.89	8.29	-8.61	-0.32	-21.09	1.38	9.89	8.29	-9.30	-1.01

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

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Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 4, 2021
Temperature / Humidity 22 deg. C / 38 % RH 24 deg. C / 41 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-40 OFDMA (106-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1	3	Sum					1	3	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5190	53	0.14	0.18	0.32	-4.94	8.71	13.65		0.93	1.23	2.16	3.35	17.00	13.65	
	54	0.15	0.20	0.35	-4.58	8.71	13.29		1.00	1.36	2.35	3.71	17.00	13.29	
	56	0.14	0.19	0.33	-4.79	8.71	13.50		0.93	1.31	2.24	3.50	17.00	13.50	
5230	53	0.16	0.20	0.36	-4.47	8.71	13.18		1.08	1.32	2.41	3.82	17.00	13.18	
	54	0.15	0.22	0.37	-4.33	8.71	13.04		1.03	1.47	2.49	3.96	17.00	13.04	
	56	0.16	0.21	0.38	-4.22	8.71	12.93		1.10	1.45	2.55	4.07	17.00	12.93	
5270	53	0.21	0.27	0.49	-3.13	8.71	11.84		1.44	1.85	3.28	5.16	17.00	11.84	
	54	0.24	0.31	0.55	-2.63	8.71	11.34		1.61	2.07	3.68	5.66	17.00	11.34	
	56	0.26	0.28	0.54	-2.71	8.71	11.42		1.76	1.86	3.62	5.58	17.00	11.42	
5310	53	0.24	0.27	0.51	-2.93	8.71	11.64		1.61	1.83	3.44	5.36	17.00	11.64	
	54	0.24	0.29	0.54	-2.71	8.71	11.42		1.65	1.97	3.62	5.58	17.00	11.42	
	56	0.26	0.29	0.55	-2.63	8.71	11.34		1.74	1.94	3.68	5.66	17.00	11.34	

				Antenna 1					Antenna 3						
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	53	0.25	0.00	-19.94	1.24	9.86	8.29	-8.59	-0.30	-18.74	1.24	9.86	8.29	-7.39	0.90
	54	0.25	0.00	-19.66	1.24	9.86	8.29	-8.31	-0.02	-18.32	1.24	9.86	8.29	-6.97	1.32
	56	0.25	0.00	-19.96	1.24	9.86	8.29	-8.61	-0.32	-18.47	1.24	9.86	8.29	-7.12	1.17
5230	53	0.25	0.00	-19.29	1.24	9.86	8.29	-7.94	0.35	-18.42	1.24	9.86	8.29	-7.07	1.22
	54	0.25	0.00	-19.53	1.24	9.86	8.29	-8.18	0.11	-17.98	1.24	9.86	8.29	-6.63	1.66
	56	0.25	0.00	-19.22	1.24	9.86	8.29	-7.87	0.42	-18.03	1.24	9.86	8.29	-6.68	1.61
5270	53	0.25	0.00	-18.07	1.25	9.86	8.29	-6.71	1.58	-16.99	1.25	9.86	8.29	-5.63	2.66
	54	0.25	0.00	-17.59	1.25	9.86	8.29	-6.23	2.06	-16.48	1.25	9.86	8.29	-5.12	3.17
	56	0.25	0.00	-17.20	1.25	9.86	8.29	-5.84	2.45	-16.96	1.25	9.86	8.29	-5.60	2.69
5310	53	0.25	0.00	-17.59	1.25	9.87	8.29	-6.22	2.07	-17.04	1.25	9.87	8.29	-5.67	2.62
	54	0.25	0.00	-17.49	1.25	9.87	8.29	-6.12	2.17	-16.72	1.25	9.87	8.29	-5.35	2.94
	56	0.25	0.00	-17.25	1.25	9.87	8.29	-5.88	2.41	-16.78	1.25	9.87	8.29	-5.41	2.88

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

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4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

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Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 4, 2021
Temperature / Humidity 22 deg. C / 38 % RH 24 deg. C / 41 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-40 OFDMA (106-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
		1	3	Sum				1	3	Sum					
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		
5510	53	0.18	0.21	0.39	-4.10	8.71	12.81	1.21	1.42	2.63	4.19	17.00	12.81		
	54	0.13	0.23	0.36	-4.43	8.71	13.14	0.89	1.54	2.43	3.86	17.00	13.14		
	56	0.20	0.22	0.42	-3.77	8.71	12.48	1.35	1.48	2.83	4.52	17.00	12.48		
5550	53	0.18	0.23	0.41	-3.83	8.71	12.54	1.22	1.57	2.79	4.46	17.00	12.54		
	54	0.21	0.25	0.46	-3.38	8.71	12.09	1.40	1.70	3.10	4.91	17.00	12.09		
	56	0.20	0.25	0.45	-3.44	8.71	12.15	1.34	1.72	3.06	4.85	17.00	12.15		
5670	53	0.23	0.30	0.54	-2.71	8.71	11.42	1.58	2.03	3.61	5.58	17.00	11.42		
	54	0.24	0.29	0.54	-2.71	8.71	11.42	1.64	1.98	3.61	5.58	17.00	11.42		
	56	0.25	0.31	0.56	-2.51	8.71	11.22	1.68	2.10	3.79	5.78	17.00	11.22		
5710	53	0.25	0.29	0.53	-2.73	8.71	11.44	1.66	1.94	3.60	5.56	17.00	11.44		
	54	0.26	0.29	0.55	-2.56	8.71	11.27	1.77	1.97	3.74	5.73	17.00	11.27		
	56	0.25	0.28	0.53	-2.74	8.71	11.45	1.72	1.87	3.59	5.55	17.00	11.45		
5755	53	0.10	0.14	0.24	-6.22	27.71	33.93	0.64	0.97	1.61	2.07	36.00	33.93		
	54	0.10	0.14	0.25	-6.08	27.71	33.79	0.69	0.98	1.66	2.21	36.00	33.79		
	56	0.11	0.13	0.25	-6.09	27.71	33.80	0.77	0.89	1.66	2.20	36.00	33.80		
5795	53	0.11	0.13	0.24	-6.11	27.71	33.82	0.75	0.90	1.65	2.18	36.00	33.82		
	54	0.13	0.14	0.27	-5.67	27.71	33.38	0.89	0.94	1.83	2.62	36.00	33.38		
	56	0.13	0.12	0.25	-5.96	27.71	33.67	0.90	0.81	1.71	2.33	36.00	33.67		

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1					Antenna 3					PSD Result	
				PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	Cond.	e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5510	53	0.25	0.00	-18.96	1.36	9.88	8.29	-7.47	0.82	-18.26	1.36	9.88	8.29	-6.77	1.52
	54	0.25	0.00	-20.28	1.36	9.88	8.29	-8.79	-0.50	-17.90	1.36	9.88	8.29	-6.41	1.88
	56	0.25	0.00	-18.47	1.36	9.88	8.29	-6.98	1.31	-18.07	1.36	9.88	8.29	-6.58	1.71
5550	53	0.25	0.00	-18.91	1.36	9.88	8.29	-7.42	0.87	-17.82	1.36	9.88	8.29	-6.33	1.96
	54	0.25	0.00	-18.32	1.36	9.88	8.29	-6.83	1.46	-17.48	1.36	9.88	8.29	-5.99	2.30
	56	0.25	0.00	-18.51	1.36	9.88	8.29	-7.02	1.27	-17.43	1.36	9.88	8.29	-5.94	2.35
5670	53	0.25	0.00	-17.79	1.37	9.88	8.29	-6.29	2.00	-16.72	1.37	9.88	8.29	-5.22	3.07
	54	0.25	0.00	-17.65	1.37	9.88	8.29	-6.15	2.14	-16.83	1.37	9.88	8.29	-5.33	2.96
	56	0.25	0.00	-17.53	1.37	9.88	8.29	-6.03	2.26	-16.56	1.37	9.88	8.29	-5.06	3.23
5710	53	0.25	0.00	-17.61	1.37	9.89	8.29	-6.10	2.19	-16.92	1.37	9.89	8.29	-5.41	2.88
	54	0.25	0.00	-17.32	1.37	9.89	8.29	-5.81	2.48	-16.86	1.37	9.89	8.29	-5.35	2.94
	56	0.25	0.00	-17.45	1.37	9.89	8.29	-5.94	2.35	-17.07	1.37	9.89	8.29	-5.56	2.73
5755	53	0.25	0.27	-22.00	1.38	9.89	8.29	-10.21	-1.92	-20.22	1.38	9.89	8.29	-8.43	-0.14
	54	0.25	0.27	-21.72	1.38	9.89	8.29	-9.93	-1.64	-20.18	1.38	9.89	8.29	-8.39	-0.10
	56	0.25	0.27	-21.23	1.38	9.89	8.29	-9.44	-1.15	-20.58	1.38	9.89	8.29	-8.79	-0.50
5795	53	0.25	0.27	-21.33	1.38	9.89	8.29	-9.54	-1.25	-20.53	1.38	9.89	8.29	-8.74	-0.45
	54	0.25	0.27	-20.59	1.38	9.89	8.29	-8.80	-0.51	-20.36	1.38	9.89	8.29	-8.57	-0.28
	56	0.25	0.27	-20.55	1.38	9.89	8.29	-8.76	-0.47	-20.97	1.38	9.89	8.29	-9.18	-0.89

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \times \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

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Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 4, 2021
Temperature / Humidity 22 deg. C / 38 % RH 24 deg. C / 41 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-40 OFDMA (242-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1	3	Sum					1	3	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5190	61	0.16	0.20	0.36	-4.44	8.71	13.15		1.07	1.36	2.43	3.85	17.00	13.15	
	62	0.17	0.21	0.38	-4.20	8.71	12.91		1.12	1.45	2.57	4.09	17.00	12.91	
5230	61	0.16	0.22	0.38	-4.20	8.71	12.91		1.08	1.48	2.56	4.09	17.00	12.91	
	62	0.17	0.23	0.40	-3.93	8.71	12.64		1.18	1.55	2.73	4.36	17.00	12.64	
5270	61	0.25	0.35	0.60	-2.22	8.71	10.93		1.70	2.34	4.04	6.07	17.00	10.93	
	62	0.24	0.33	0.57	-2.42	8.71	11.13		1.63	2.23	3.86	5.87	17.00	11.13	
5310	61	0.29	0.30	0.59	-2.28	8.71	10.99		1.94	2.05	3.99	6.01	17.00	10.99	
	62	0.24	0.30	0.54	-2.64	8.71	11.35		1.65	2.02	3.67	5.65	17.00	11.35	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1				PSD Result		Antenna 3				PSD Result	
				PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond.	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond.	e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	61	0.25	0.00	-19.33	1.24	9.86	8.29	-7.98	0.31	-18.32	1.24	9.86	8.29	-6.97	1.32
	62	0.25	0.00	-19.16	1.24	9.86	8.29	-7.81	0.48	-18.03	1.24	9.86	8.29	-6.68	1.61
5230	61	0.25	0.00	-19.29	1.24	9.86	8.29	-7.94	0.35	-17.94	1.24	9.86	8.29	-6.59	1.70
	62	0.25	0.00	-18.93	1.24	9.86	8.29	-7.58	0.71	-17.74	1.24	9.86	8.29	-6.39	1.90
5270	61	0.25	0.00	-17.35	1.25	9.86	8.29	-5.99	2.30	-15.95	1.25	9.86	8.29	-4.59	3.70
	62	0.25	0.00	-17.53	1.25	9.86	8.29	-6.17	2.12	-16.16	1.25	9.86	8.29	-4.80	3.49
5310	61	0.25	0.00	-16.78	1.25	9.87	8.29	-5.41	2.88	-16.54	1.25	9.87	8.29	-5.17	3.12
	62	0.25	0.00	-17.48	1.25	9.87	8.29	-6.11	2.18	-16.60	1.25	9.87	8.29	-5.23	3.06

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 4, 2021
Temperature / 22 deg. C / 38 % 24 deg. C / 41 %
Humidity RH RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-40 OFDMA (242-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		1	3	Sum				1	3	Sum			
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5510	61	0.20	0.24	0.43	-3.64	8.71	12.35	1.32	1.59	2.92	4.65	17.00	12.35
	62	0.19	0.23	0.42	-3.75	8.71	12.46	1.27	1.58	2.85	4.54	17.00	12.46
5550	61	0.21	0.26	0.47	-3.30	8.71	12.01	1.43	1.73	3.16	4.99	17.00	12.01
	62	0.21	0.26	0.48	-3.19	8.71	11.90	1.45	1.79	3.23	5.10	17.00	11.90
5670	61	0.24	0.31	0.55	-2.60	8.71	11.31	1.63	2.08	3.71	5.69	17.00	11.31
	62	0.24	0.31	0.55	-2.57	8.71	11.28	1.62	2.11	3.73	5.72	17.00	11.28
5710	61	0.24	0.30	0.54	-2.68	8.71	11.39	1.60	2.04	3.64	5.61	17.00	11.39
	62	0.23	0.32	0.55	-2.62	8.71	11.33	1.53	2.17	3.69	5.67	17.00	11.33
5755	61	0.12	0.15	0.27	-5.67	27.71	33.38	0.79	1.04	1.83	2.62	36.00	33.38
	62	0.12	0.14	0.27	-5.74	27.71	33.45	0.83	0.97	1.80	2.55	36.00	33.45
5795	61	0.13	0.15	0.28	-5.50	27.71	33.21	0.89	1.01	1.90	2.79	36.00	33.21
	62	0.14	0.14	0.28	-5.49	27.71	33.20	0.97	0.94	1.90	2.80	36.00	33.20

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5510	61	0.25	0.00	-18.57	1.36	9.88	8.29	-7.08	1.21	-17.76	1.36	9.88	8.29	-6.27	2.02
	62	0.25	0.00	-18.74	1.36	9.88	8.29	-7.25	1.04	-17.81	1.36	9.88	8.29	-6.32	1.97
5550	61	0.25	0.00	-18.23	1.36	9.88	8.29	-6.74	1.56	-17.41	1.36	9.88	8.29	-5.92	2.37
	62	0.25	0.00	-18.18	1.36	9.88	8.29	-6.69	1.61	-17.26	1.36	9.88	8.29	-5.77	2.52
5670	61	0.25	0.00	-17.66	1.37	9.88	8.29	-6.16	2.13	-16.61	1.37	9.88	8.29	-5.11	3.18
	62	0.25	0.00	-17.70	1.37	9.88	8.29	-6.20	2.09	-16.54	1.37	9.88	8.29	-5.04	3.25
5710	61	0.25	0.00	-17.76	1.37	9.89	8.29	-6.25	2.04	-16.70	1.37	9.89	8.29	-5.19	3.10
	62	0.25	0.00	-17.97	1.37	9.89	8.29	-6.46	1.83	-16.44	1.37	9.89	8.29	-4.93	3.36
5755	61	0.25	0.27	-21.13	1.38	9.89	8.29	-9.34	-1.05	-19.90	1.38	9.89	8.29	-8.11	0.18
	62	0.25	0.27	-20.90	1.38	9.89	8.29	-9.12	-0.83	-20.20	1.38	9.89	8.29	-8.41	-0.12
5795	61	0.25	0.27	-20.60	1.38	9.89	8.29	-8.81	-0.52	-20.02	1.38	9.89	8.29	-8.23	0.06
	62	0.25	0.27	-20.22	1.38	9.89	8.29	-8.43	-0.14	-20.37	1.38	9.89	8.29	-8.58	-0.29

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 5, 2021
Temperature / Humidity 22 deg. C / 38 % RH 23 deg. C / 43 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-40 OFDMA (484-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.13	0.17	0.29	-5.33	8.71	14.04	0.86	1.12	1.98	2.96	17.00	14.04
5230	0.14	0.18	0.33	-4.84	8.71	13.55	0.98	1.24	2.21	3.45	17.00	13.55
5270	0.25	0.28	0.53	-2.76	8.71	11.47	1.69	1.88	3.57	5.53	17.00	11.47
5310	0.26	0.27	0.53	-2.72	8.71	11.43	1.75	1.85	3.60	5.57	17.00	11.43
5510	0.22	0.24	0.46	-3.35	8.71	12.06	1.49	1.63	3.12	4.94	17.00	12.06
5550	0.23	0.27	0.50	-3.00	8.71	11.71	1.56	1.82	3.38	5.29	17.00	11.71
5670	0.26	0.28	0.54	-2.70	8.71	11.41	1.75	1.87	3.62	5.59	17.00	11.41
5710	0.25	0.28	0.53	-2.75	8.71	11.46	1.66	1.91	3.58	5.54	17.00	11.46
5755	0.12	0.15	0.27	-5.67	27.71	33.38	0.82	1.00	1.83	2.62	36.00	33.38
5795	0.16	0.14	0.30	-5.22	27.71	32.93	1.07	0.96	2.03	3.07	36.00	32.93

			Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	0.26	0.00	-20.30	1.24	9.86	8.29	-8.94	-0.65	-19.17	1.24	9.86	8.29	-7.81	0.48
5230	0.26	0.00	-19.75	1.24	9.86	8.29	-8.39	-0.10	-18.73	1.24	9.86	8.29	-7.37	0.92
5270	0.26	0.00	-17.39	1.25	9.86	8.29	-6.02	2.27	-16.91	1.25	9.86	8.29	-5.54	2.75
5310	0.26	0.00	-17.23	1.25	9.87	8.29	-5.85	2.44	-17.00	1.25	9.87	8.29	-5.62	2.67
5510	0.26	0.00	-18.07	1.36	9.88	8.29	-6.57	1.72	-17.66	1.36	9.88	8.29	-6.16	2.13
5550	0.26	0.00	-17.85	1.36	9.88	8.29	-6.35	1.94	-17.20	1.36	9.88	8.29	-5.70	2.59
5670	0.26	0.00	-17.38	1.37	9.88	8.29	-5.87	2.42	-17.07	1.37	9.88	8.29	-5.56	2.73
5710	0.26	0.00	-17.59	1.37	9.88	8.29	-6.08	2.21	-16.98	1.37	9.88	8.29	-5.47	2.82
5755	0.26	0.27	-20.93	1.38	9.89	8.29	-9.13	-0.84	-20.07	1.38	9.89	8.29	-8.27	0.02
5795	0.26	0.27	-19.81	1.38	9.89	8.29	-8.01	0.28	-20.25	1.38	9.89	8.29	-8.45	-0.16

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 23, 2021
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Junya Okuno
Mode Tx 11ac-80

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5210	0.06	0.08	0.14	-8.39	8.71	17.10	0.42	0.56	0.98	-0.10	17.00	17.10
5290	0.09	0.12	0.21	-6.73	8.71	15.44	0.63	0.80	1.43	1.56	17.00	15.44
5530	0.09	0.11	0.20	-7.05	8.71	15.76	0.60	0.73	1.33	1.24	17.00	15.76
5610	0.09	0.11	0.20	-6.96	8.71	15.67	0.59	0.77	1.36	1.33	17.00	15.67
5690	0.09	0.12	0.22	-6.67	8.71	15.38	0.63	0.82	1.45	1.62	17.00	15.38
5775	0.05	0.06	0.11	-9.45	27.71	37.16	0.37	0.40	0.77	-1.16	36.00	37.16

			Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	0.12	0.00	-22.79	0.70	9.88	8.29	-12.09	-3.80	-21.51	0.70	9.88	8.29	-10.81	-2.52
5290	0.12	0.00	-20.98	0.70	9.88	8.29	-10.28	-1.99	-19.96	0.70	9.88	8.29	-9.26	-0.97
5530	0.12	0.00	-21.33	0.80	9.88	8.29	-10.53	-2.24	-20.43	0.80	9.88	8.29	-9.63	-1.34
5610	0.12	0.00	-21.38	0.80	9.89	8.29	-10.57	-2.28	-20.26	0.80	9.89	8.29	-9.45	-1.16
5690	0.12	0.00	-21.08	0.80	9.89	8.29	-10.27	-1.98	-19.98	0.80	9.89	8.29	-9.17	-0.88
5775	0.12	0.27	-23.69	0.80	9.90	8.29	-12.60	-4.31	-23.41	0.80	9.90	8.29	-12.32	-4.03

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 * \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date January 23, 2021
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Junya Okuno
Mode Tx 11ax-80 (OFDM)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5210	0.07	0.10	0.17	-7.69	8.71	16.40	0.49	0.66	1.15	0.60	17.00	16.40
5290	0.11	0.15	0.26	-5.80	8.71	14.51	0.76	1.01	1.77	2.49	17.00	14.51
5530	0.10	0.13	0.23	-6.39	8.71	15.10	0.67	0.89	1.55	1.90	17.00	15.10
5610	0.11	0.14	0.25	-6.01	8.71	14.72	0.77	0.92	1.69	2.28	17.00	14.72
5690	0.12	0.15	0.27	-5.77	8.71	14.48	0.78	1.01	1.79	2.52	17.00	14.48
5775	0.07	0.08	0.15	-8.23	27.71	35.94	0.50	0.51	1.01	0.06	36.00	35.94

Antenna 1								Antenna 3							
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]
5210	0.14	0.00	-22.11	0.70	9.88	8.29	-11.39	-3.10	-20.82	0.70	9.88	8.29	-10.10	-1.81	-1.81
5290	0.14	0.00	-20.18	0.70	9.88	8.29	-9.46	-1.17	-18.97	0.70	9.88	8.29	-8.25	0.04	0.04
5530	0.14	0.00	-20.88	0.80	9.88	8.29	-10.06	-1.77	-19.64	0.80	9.88	8.29	-8.82	-0.53	-0.53
5610	0.14	0.00	-20.28	0.80	9.89	8.29	-9.45	-1.16	-19.46	0.80	9.89	8.29	-8.63	-0.34	-0.34
5690	0.14	0.00	-20.22	0.80	9.89	8.29	-9.39	-1.10	-19.07	0.80	9.89	8.29	-8.24	0.05	0.05
5775	0.14	0.27	-22.41	0.80	9.90	8.29	-11.30	-3.01	-22.29	0.80	9.90	8.29	-11.18	-2.89	-2.89

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 5, 2021
Temperature / Humidity 22 deg. C / 38 % RH 23 deg. C / 43 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-80 OFDMA (26-tone RU)

Antenna 1+3								Applied limit: 15.407, mobile and portable client device					
Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		1 [mW/MHz]	3 [mW/MHz]	Sum [mW/MHz]				1 [mW/MHz]	3 [mW/MHz]	Sum [mW/MHz]			
5210	0	0.05	0.06	0.11	-9.63	8.71	18.34	0.33	0.41	0.73	-1.34	17.00	18.34
	18	0.04	0.05	0.09	-10.37	8.71	19.08	0.27	0.35	0.62	-2.08	17.00	19.08
	36	0.06	0.07	0.13	-8.79	8.71	17.50	0.39	0.50	0.89	-0.50	17.00	17.50
5290	0	0.10	0.13	0.23	-6.29	8.71	15.00	0.68	0.91	1.58	2.00	17.00	15.00
	18	0.08	0.10	0.17	-7.58	8.71	16.29	0.53	0.65	1.18	0.71	17.00	16.29
	36	0.12	0.12	0.25	-6.09	8.71	14.80	0.82	0.84	1.66	2.20	17.00	14.80
5530	0	0.07	0.09	0.17	-7.76	8.71	16.47	0.50	0.63	1.13	0.53	17.00	16.47
	18	0.06	0.07	0.13	-8.88	8.71	17.59	0.38	0.49	0.87	-0.59	17.00	17.59
	36	0.10	0.12	0.21	-6.73	8.71	15.44	0.64	0.79	1.43	1.56	17.00	15.44
5610	0	0.09	0.12	0.21	-6.87	8.71	15.58	0.59	0.80	1.39	1.42	17.00	15.58
	18	0.07	0.09	0.16	-7.91	8.71	16.62	0.48	0.62	1.09	0.38	17.00	16.62
	36	0.11	0.14	0.25	-5.95	8.71	14.66	0.74	0.97	1.72	2.34	17.00	14.66
5690	0	0.11	0.14	0.24	-6.16	8.71	14.87	0.71	0.92	1.63	2.13	17.00	14.87
	18	0.09	0.10	0.18	-7.34	8.71	16.05	0.58	0.66	1.24	0.95	17.00	16.05
	36	0.12	0.11	0.23	-6.31	8.71	15.02	0.80	0.77	1.58	1.98	17.00	15.02
5775	0	0.05	0.08	0.13	-8.90	27.71	36.61	0.33	0.54	0.87	-0.61	36.00	36.61
	18	0.05	0.06	0.11	-9.66	27.71	37.37	0.33	0.40	0.73	-1.37	36.00	37.37
	36	0.07	0.06	0.13	-8.80	27.71	36.51	0.47	0.42	0.89	-0.51	36.00	36.51

Antenna 1										Antenna 3									
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	PSD e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	PSD e.i.r.p.				
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]				
5210	0	0.25	0.00	-24.50	1.24	9.86	8.29	-13.15	-4.86	-23.54	1.24	9.86	8.29	-12.19	-3.90				
	18	0.25	0.00	-25.38	1.24	9.86	8.29	-14.03	-5.74	-24.17	1.24	9.86	8.29	-12.82	-4.53				
	36	0.25	0.00	-23.70	1.24	9.86	8.29	-12.35	-4.06	-22.66	1.24	9.86	8.29	-11.31	-3.02				
5290	0	0.25	0.00	-21.34	1.25	9.86	8.29	-9.98	-1.69	-20.08	1.25	9.86	8.29	-8.72	-0.43				
	18	0.25	0.00	-22.40	1.25	9.86	8.29	-11.04	-2.75	-21.55	1.25	9.86	8.29	-10.19	-1.90				
	36	0.25	0.00	-20.51	1.25	9.86	8.29	-9.15	-0.86	-20.42	1.25	9.86	8.29	-9.06	-0.77				
5530	0	0.25	0.00	-22.81	1.36	9.88	8.29	-11.32	-3.03	-21.77	1.36	9.88	8.29	-10.28	-1.99				
	18	0.25	0.00	-23.97	1.36	9.88	8.29	-12.48	-4.19	-22.87	1.36	9.88	8.29	-11.38	-3.09				
	36	0.25	0.00	-21.70	1.36	9.88	8.29	-10.21	-1.92	-20.80	1.36	9.88	8.29	-9.31	-1.02				
5610	0	0.25	0.00	-22.07	1.37	9.88	8.29	-10.57	-2.28	-20.78	1.37	9.88	8.29	-9.28	-0.99				
	18	0.25	0.00	-23.02	1.37	9.88	8.29	-11.52	-3.23	-21.89	1.37	9.88	8.29	-10.39	-2.10				
	36	0.25	0.00	-21.08	1.37	9.88	8.29	-9.58	-1.29	-19.91	1.37	9.88	8.29	-8.41	-0.12				
5690	0	0.25	0.00	-21.27	1.37	9.88	8.29	-9.77	-1.48	-20.14	1.37	9.88	8.29	-8.64	-0.35				
	18	0.25	0.00	-22.16	1.37	9.88	8.29	-10.66	-2.37	-21.57	1.37	9.88	8.29	-10.07	-1.78				
	36	0.25	0.00	-20.75	1.37	9.88	8.29	-9.25	-0.96	-20.90	1.37	9.88	8.29	-9.40	-1.11				
5775	0	0.25	0.27	-24.86	1.38	9.89	8.29	-13.07	-4.78	-22.78	1.38	9.89	8.29	-10.99	-2.70				
	18	0.25	0.27	-24.88	1.38	9.89	8.29	-13.09	-4.80	-24.07	1.38	9.89	8.29	-12.28	-3.99				
	36	0.25	0.27	-23.36	1.38	9.89	8.29	-11.57	-3.28	-23.86	1.38	9.89	8.29	-12.07	-3.78				

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 5, 2021
Temperature / Humidity 22 deg. C / 38 % RH 23 deg. C / 43 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-80 OFDMA (52-tone RU)

Antenna 1+3								Applied limit: 15.407, mobile and portable client device							
Tested Frequency	RU Index	PSD (Conducted)						PSD (e.i.r.p.)							
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
		1	3	Sum				1	3	Sum					
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		
5210	37	0.05	0.07	0.12	-9.09	8.71	17.80	0.35	0.49	0.83	-0.80	17.00	17.80		
	44	0.05	0.07	0.12	-9.03	8.71	17.74	0.35	0.49	0.84	-0.74	17.00	17.74		
	52	0.06	0.08	0.14	-8.48	8.71	17.19	0.44	0.52	0.96	-0.19	17.00	17.19		
5290	37	0.11	0.14	0.24	-6.11	8.71	14.82	0.73	0.92	1.65	2.18	17.00	14.82		
	44	0.11	0.14	0.25	-6.01	8.71	14.72	0.75	0.94	1.69	2.28	17.00	14.72		
	52	0.11	0.13	0.24	-6.25	8.71	14.96	0.74	0.86	1.60	2.04	17.00	14.96		
5530	37	0.08	0.09	0.17	-7.60	8.71	16.31	0.54	0.63	1.17	0.69	17.00	16.31		
	44	0.09	0.10	0.19	-7.16	8.71	15.87	0.59	0.70	1.30	1.13	17.00	15.87		
	52	0.09	0.12	0.21	-6.84	8.71	15.55	0.62	0.78	1.40	1.45	17.00	15.55		
5610	37	0.09	0.12	0.21	-6.74	8.71	15.45	0.59	0.84	1.43	1.55	17.00	15.45		
	44	0.10	0.13	0.23	-6.43	8.71	15.14	0.67	0.87	1.54	1.86	17.00	15.14		
	52	0.11	0.14	0.24	-6.12	8.71	14.83	0.72	0.92	1.65	2.17	17.00	14.83		
5690	37	0.10	0.13	0.23	-6.42	8.71	15.13	0.66	0.88	1.54	1.87	17.00	15.13		
	44	0.12	0.13	0.25	-5.99	8.71	14.70	0.79	0.91	1.70	2.30	17.00	14.70		
	52	0.12	0.13	0.25	-5.98	8.71	14.69	0.82	0.88	1.70	2.31	17.00	14.69		
5775	37	0.05	0.07	0.12	-9.15	27.71	36.86	0.34	0.48	0.82	-0.86	36.00	36.86		
	44	0.06	0.07	0.13	-8.74	27.71	36.45	0.40	0.50	0.90	-0.45	36.00	36.45		
	52	0.07	0.07	0.14	-8.68	27.71	36.39	0.46	0.46	0.91	-0.39	36.00	36.39		

Antenna 1										Antenna 3						
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	PSD	Cable	Atten.	Antenna	PSD Result		PSD	Cable	Atten.	Antenna	PSD Result		
				Reading [dBm/MHz]	Loss [dB]	Loss [dB]	Gain [dBi]	Cond.	e.i.r.p. [dBm/MHz]	Reading [dBm/MHz]	Loss [dB]	Loss [dB]	Gain [dBi]	Cond.	e.i.r.p. [dBm/MHz]	
5210	37	0.25	0.00	-24.26	1.24	9.86	8.29	-12.91	-4.62	-22.76	1.24	9.86	8.29	-11.41	-3.12	
	44	0.25	0.00	-24.15	1.24	9.86	8.29	-12.80	-4.51	-22.75	1.24	9.86	8.29	-11.40	-3.11	
	52	0.25	0.00	-23.23	1.24	9.86	8.29	-11.88	-3.59	-22.48	1.24	9.86	8.29	-11.13	-2.84	
5290	37	0.25	0.00	-21.00	1.25	9.86	8.29	-9.64	-1.35	-20.02	1.25	9.86	8.29	-8.66	-0.37	
	44	0.25	0.00	-20.91	1.25	9.86	8.29	-9.55	-1.26	-19.90	1.25	9.86	8.29	-8.54	-0.25	
	52	0.25	0.00	-20.97	1.25	9.86	8.29	-9.61	-1.32	-20.30	1.25	9.86	8.29	-8.94	-0.65	
5530	37	0.25	0.00	-22.47	1.36	9.88	8.29	-10.98	-2.69	-21.76	1.36	9.88	8.29	-10.27	-1.98	
	44	0.25	0.00	-22.05	1.36	9.88	8.29	-10.56	-2.27	-21.30	1.36	9.88	8.29	-9.81	-1.52	
	52	0.25	0.00	-21.87	1.36	9.88	8.29	-10.38	-2.09	-20.86	1.36	9.88	8.29	-9.37	-1.08	
5610	37	0.25	0.00	-22.10	1.37	9.88	8.29	-10.60	-2.31	-20.54	1.37	9.88	8.29	-9.04	-0.75	
	44	0.25	0.00	-21.54	1.37	9.88	8.29	-10.04	-1.75	-20.41	1.37	9.88	8.29	-8.91	-0.62	
	52	0.25	0.00	-21.20	1.37	9.88	8.29	-9.70	-1.41	-20.13	1.37	9.88	8.29	-8.63	-0.34	
5690	37	0.25	0.00	-21.59	1.37	9.88	8.29	-10.09	-1.80	-20.36	1.37	9.88	8.29	-8.86	-0.57	
	44	0.25	0.00	-20.83	1.37	9.88	8.29	-9.33	-1.04	-20.20	1.37	9.88	8.29	-8.70	-0.41	
	52	0.25	0.00	-20.63	1.37	9.88	8.29	-9.13	-0.84	-20.35	1.37	9.88	8.29	-8.85	-0.56	
5775	37	0.25	0.27	-24.78	1.38	9.89	8.29	-12.99	-4.70	-23.25	1.38	9.89	8.29	-11.46	-3.17	
	44	0.25	0.27	-24.01	1.38	9.89	8.29	-12.22	-3.93	-23.11	1.38	9.89	8.29	-11.32	-3.03	
	52	0.25	0.27	-23.48	1.38	9.89	8.29	-11.69	-3.40	-23.47	1.38	9.89	8.29	-11.68	-3.39	

Sample Calculation:
PSD: Power Spectral Density
The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.
RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain
The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz - 5850 MHz for IC)

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 8, 2021 February 5, 2021
Temperature / Humidity 22 deg. C / 38 % RH 23 deg. C / 43 % RH
Engineer Hiroyuki Furutaka Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-80 OFDMA (106-tone RU)

Antenna 1+3 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1	3	Sum					1	3	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5210	53	0.06	0.07	0.12	-9.05	8.71	17.76		0.38	0.46	0.84	-0.76	17.00	17.76	
	56	0.05	0.07	0.13	-8.92	8.71	17.63		0.36	0.50	0.87	-0.63	17.00	17.63	
	60	0.07	0.08	0.14	-8.39	8.71	17.10		0.44	0.54	0.98	-0.10	17.00	17.10	
5290	53	0.11	0.14	0.25	-6.06	8.71	14.77		0.74	0.94	1.67	2.23	17.00	14.77	
	56	0.11	0.14	0.25	-6.04	8.71	14.75		0.77	0.91	1.68	2.25	17.00	14.75	
	60	0.12	0.14	0.26	-5.85	8.71	14.56		0.81	0.94	1.75	2.44	17.00	14.56	
5530	53	0.08	0.10	0.18	-7.37	8.71	16.08		0.55	0.69	1.24	0.92	17.00	16.08	
	56	0.09	0.11	0.19	-7.12	8.71	15.83		0.59	0.72	1.31	1.17	17.00	15.83	
	60	0.10	0.12	0.22	-6.49	8.71	15.20		0.68	0.83	1.51	1.80	17.00	15.20	
5610	53	0.10	0.12	0.23	-6.46	8.71	15.17		0.69	0.83	1.53	1.83	17.00	15.17	
	56	0.10	0.13	0.24	-6.29	8.71	15.00		0.68	0.90	1.59	2.00	17.00	15.00	
	60	0.11	0.13	0.25	-6.05	8.71	14.76		0.77	0.91	1.68	2.24	17.00	14.76	
5690	53	0.12	0.14	0.26	-5.85	8.71	14.56		0.83	0.93	1.75	2.44	17.00	14.56	
	56	0.13	0.14	0.27	-5.76	8.71	14.47		0.85	0.94	1.79	2.53	17.00	14.47	
	60	0.12	0.13	0.25	-5.99	8.71	14.70		0.83	0.87	1.70	2.30	17.00	14.70	
5775	53	0.06	0.07	0.13	-8.89	27.71	36.60		0.39	0.48	0.87	-0.60	36.00	36.60	
	56	0.06	0.07	0.13	-8.93	27.71	36.64		0.38	0.48	0.86	-0.64	36.00	36.64	
	60	0.06	0.06	0.12	-9.08	27.71	36.79		0.42	0.41	0.83	-0.79	36.00	36.79	

				Antenna 1					Antenna 3						
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	53	0.25	0.00	-23.82	1.24	9.86	8.29	-12.47	-4.18	-23.03	1.24	9.86	8.29	-11.68	-3.39
	56	0.25	0.00	-24.04	1.24	9.86	8.29	-12.69	-4.40	-22.63	1.24	9.86	8.29	-11.28	-2.99
	60	0.25	0.00	-23.22	1.24	9.86	8.29	-11.87	-3.58	-22.32	1.24	9.86	8.29	-10.97	-2.68
5290	53	0.25	0.00	-20.98	1.25	9.86	8.29	-9.62	-1.33	-19.94	1.25	9.86	8.29	-8.58	-0.29
	56	0.25	0.00	-20.81	1.25	9.86	8.29	-9.45	-1.16	-20.04	1.25	9.86	8.29	-8.68	-0.39
	60	0.25	0.00	-20.55	1.25	9.86	8.29	-9.19	-0.90	-19.92	1.25	9.86	8.29	-8.56	-0.27
5530	53	0.25	0.00	-22.39	1.36	9.88	8.29	-10.90	-2.61	-21.40	1.36	9.88	8.29	-9.91	-1.62
	56	0.25	0.00	-22.07	1.36	9.88	8.29	-10.58	-2.29	-21.21	1.36	9.88	8.29	-9.72	-1.43
	60	0.25	0.00	-21.43	1.36	9.88	8.29	-9.94	-1.65	-20.60	1.36	9.88	8.29	-9.11	-0.82
5610	53	0.25	0.00	-21.38	1.37	9.88	8.29	-9.88	-1.59	-20.59	1.37	9.88	8.29	-9.09	-0.80
	56	0.25	0.00	-21.44	1.37	9.88	8.29	-9.94	-1.65	-20.24	1.37	9.88	8.29	-8.74	-0.45
	60	0.25	0.00	-20.92	1.37	9.88	8.29	-9.42	-1.13	-20.22	1.37	9.88	8.29	-8.72	-0.43
5690	53	0.25	0.00	-20.62	1.37	9.88	8.29	-9.12	-0.83	-20.12	1.37	9.88	8.29	-8.62	-0.33
	56	0.25	0.00	-20.50	1.37	9.88	8.29	-9.00	-0.71	-20.06	1.37	9.88	8.29	-8.56	-0.27
	60	0.25	0.00	-20.60	1.37	9.88	8.29	-9.10	-0.81	-20.40	1.37	9.88	8.29	-8.90	-0.61
5775	53	0.25	0.27	-24.15	1.38	9.89	8.29	-12.36	-4.07	-23.27	1.38	9.89	8.29	-11.48	-3.19
	56	0.25	0.27	-24.23	1.38	9.89	8.29	-12.44	-4.15	-23.28	1.38	9.89	8.29	-11.49	-3.20
	60	0.25	0.27	-23.80	1.38	9.89	8.29	-12.01	-3.72	-23.96	1.38	9.89	8.29	-12.17	-3.88

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 9, 2021 February 5, 2021
Temperature / Humidity 25 deg. C / 50 % RH 21 deg. C / 37 % RH
Engineer Yuta Moriya Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-80 OFDMA (242-tone RU)

Antenna 1+3								Applied limit: 15.407, mobile and portable client device							
Tested Frequency	RU Index	PSD (Conducted)						PSD (e.i.r.p.)							
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
		1	3	Sum				1	3	Sum					
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		
5210	61	0.06	0.08	0.14	-8.42	8.71	17.13	0.42	0.55	0.97	-0.13	17.00	17.13		
	62	0.07	0.08	0.15	-8.30	8.71	17.01	0.45	0.55	1.00	-0.01	17.00	17.01		
	64	0.07	0.09	0.16	-7.92	8.71	16.63	0.49	0.59	1.09	0.37	17.00	16.63		
5290	61	0.12	0.15	0.28	-5.59	8.71	14.30	0.83	1.04	1.86	2.70	17.00	14.30		
	62	0.12	0.15	0.28	-5.60	8.71	14.31	0.83	1.02	1.86	2.69	17.00	14.31		
	64	0.13	0.15	0.28	-5.60	8.71	14.31	0.87	0.99	1.86	2.69	17.00	14.31		
5530	61	0.09	0.11	0.21	-6.85	8.71	15.56	0.63	0.77	1.39	1.44	17.00	15.56		
	62	0.09	0.12	0.21	-6.77	8.71	15.48	0.63	0.79	1.42	1.52	17.00	15.48		
	64	0.10	0.14	0.24	-6.18	8.71	14.89	0.70	0.93	1.62	2.11	17.00	14.89		
5610	61	0.10	0.14	0.24	-6.16	8.71	14.87	0.70	0.93	1.63	2.13	17.00	14.87		
	62	0.10	0.15	0.26	-5.90	8.71	14.61	0.70	1.03	1.74	2.39	17.00	14.61		
	64	0.11	0.15	0.26	-5.86	8.71	14.57	0.73	1.02	1.75	2.43	17.00	14.57		
5690	61	0.12	0.16	0.28	-5.60	8.71	14.31	0.81	1.05	1.86	2.69	17.00	14.31		
	62	0.12	0.16	0.28	-5.60	8.71	14.31	0.81	1.05	1.86	2.69	17.00	14.31		
	64	0.13	0.14	0.27	-5.70	8.71	14.41	0.87	0.95	1.81	2.59	17.00	14.41		
5775	61	0.06	0.09	0.15	-8.23	27.71	35.94	0.44	0.58	1.01	0.06	36.00	35.94		
	62	0.06	0.08	0.14	-8.57	27.71	36.28	0.41	0.53	0.94	-0.28	36.00	36.28		
	64	0.07	0.07	0.14	-8.45	27.71	36.16	0.48	0.49	0.96	-0.16	36.00	36.16		

				Antenna 1						Antenna 3					
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	Result e.i.r.p.
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	61	0.25	0.00	-23.40	1.24	9.86	8.29	-12.05	-3.76	-22.24	1.24	9.86	8.29	-10.89	-2.60
	62	0.25	0.00	-23.15	1.24	9.86	8.29	-11.80	-3.51	-22.22	1.24	9.86	8.29	-10.87	-2.58
	64	0.25	0.00	-22.70	1.24	9.86	8.29	-11.35	-3.06	-21.90	1.24	9.86	8.29	-10.55	-2.26
5290	61	0.25	0.00	-20.48	1.25	9.86	8.29	-9.12	-0.83	-19.49	1.25	9.86	8.29	-8.13	0.16
	62	0.25	0.00	-20.44	1.25	9.86	8.29	-9.08	-0.79	-19.55	1.25	9.86	8.29	-8.19	0.10
	64	0.25	0.00	-20.25	1.25	9.86	8.29	-8.89	-0.60	-19.71	1.25	9.86	8.29	-8.35	-0.06
5530	61	0.25	0.00	-21.80	1.36	9.88	8.29	-10.31	-2.02	-20.94	1.36	9.88	8.29	-9.45	-1.16
	62	0.25	0.00	-21.79	1.36	9.88	8.29	-10.30	-2.01	-20.81	1.36	9.88	8.29	-9.32	-1.03
	64	0.25	0.00	-21.34	1.36	9.88	8.29	-9.85	-1.56	-20.11	1.36	9.88	8.29	-8.62	-0.33
5610	61	0.25	0.00	-21.34	1.37	9.88	8.29	-9.84	-1.55	-20.10	1.37	9.88	8.29	-8.60	-0.30
	62	0.25	0.00	-21.33	1.37	9.88	8.29	-9.83	-1.54	-19.65	1.37	9.88	8.29	-8.15	0.15
	64	0.25	0.00	-21.15	1.37	9.88	8.29	-9.65	-1.36	-19.70	1.37	9.88	8.29	-8.20	0.09
5690	61	0.25	0.00	-20.71	1.37	9.88	8.29	-9.21	-0.92	-19.58	1.37	9.88	8.29	-8.08	0.21
	62	0.25	0.00	-20.70	1.37	9.88	8.29	-9.20	-0.91	-19.59	1.37	9.88	8.29	-8.09	0.20
	64	0.25	0.00	-20.41	1.37	9.88	8.29	-8.91	-0.62	-20.03	1.37	9.88	8.29	-8.53	-0.24
5775	61	0.25	0.27	-23.68	1.38	9.89	8.29	-11.89	-3.60	-22.46	1.38	9.89	8.29	-10.67	-2.38
	62	0.25	0.27	-23.95	1.38	9.89	8.29	-12.16	-3.87	-22.85	1.38	9.89	8.29	-11.06	-2.77
	64	0.25	0.27	-23.30	1.38	9.89	8.29	-11.51	-3.22	-23.20	1.38	9.89	8.29	-11.41	-3.12

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz - 5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 9, 2021 February 5, 2021
Temperature / Humidity 25 deg. C / 50 % RH 21 deg. C / 37 % RH
Engineer Yuta Moriya Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-80 OFDMA (484-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1	3	Sum					1	3	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5210	65	0.06	0.08	0.14	-8.59	8.71	17.30		0.40	0.54	0.93	-0.30	17.00	17.30	
	66	0.07	0.09	0.16	-7.85	8.71	16.56		0.49	0.62	1.11	0.44	17.00	16.56	
5290	65	0.12	0.16	0.28	-5.52	8.71	14.23		0.81	1.08	1.89	2.77	17.00	14.23	
	66	0.12	0.15	0.26	-5.77	8.71	14.48		0.79	0.99	1.79	2.52	17.00	14.48	
5530	65	0.10	0.13	0.23	-6.46	8.71	15.17		0.65	0.88	1.52	1.83	17.00	15.17	
	66	0.10	0.13	0.23	-6.33	8.71	15.04		0.67	0.90	1.57	1.96	17.00	15.04	
5610	65	0.11	0.14	0.25	-5.95	8.71	14.66		0.74	0.98	1.71	2.34	17.00	14.66	
	66	0.11	0.15	0.27	-5.72	8.71	14.43		0.77	1.04	1.81	2.57	17.00	14.43	
5690	65	0.12	0.15	0.27	-5.68	8.71	14.39		0.79	1.04	1.83	2.61	17.00	14.39	
	66	0.13	0.15	0.28	-5.46	8.71	14.17		0.88	1.03	1.92	2.83	17.00	14.17	
5775	65	0.06	0.07	0.14	-8.64	27.71	36.35		0.43	0.50	0.92	-0.35	36.00	36.35	
	66	0.07	0.07	0.14	-8.51	27.71	36.22		0.47	0.48	0.95	-0.22	36.00	36.22	

Tested Frequency [MHz]	RU Index	Antenna 1								Antenna 3							
		Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.		
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]		
5210	65	0.24	0.00	-23.65	1.24	9.86	8.29	-12.31	-4.02	-22.33	1.24	9.86	8.29	-10.99	-2.70		
	66	0.24	0.00	-22.74	1.24	9.86	8.29	-11.40	-3.11	-21.72	1.24	9.86	8.29	-10.38	-2.09		
5290	65	0.24	0.00	-20.53	1.25	9.86	8.29	-9.18	-0.89	-19.32	1.25	9.86	8.29	-7.97	0.32		
	66	0.24	0.00	-20.65	1.25	9.86	8.29	-9.30	-1.01	-19.66	1.25	9.86	8.29	-8.31	-0.02		
5530	65	0.24	0.00	-21.66	1.36	9.88	8.29	-10.18	-1.89	-20.35	1.36	9.88	8.29	-8.87	-0.57		
	66	0.24	0.00	-21.48	1.36	9.88	8.29	-10.00	-1.71	-20.24	1.36	9.88	8.29	-8.76	-0.47		
5610	65	0.24	0.00	-21.11	1.37	9.88	8.29	-9.62	-1.33	-19.88	1.37	9.88	8.29	-8.39	-0.10		
	66	0.24	0.00	-20.93	1.37	9.88	8.29	-9.44	-1.15	-19.61	1.37	9.88	8.29	-8.12	0.17		
5690	65	0.24	0.00	-20.83	1.37	9.88	8.29	-9.34	-1.05	-19.61	1.37	9.88	8.29	-8.12	0.17		
	66	0.24	0.00	-20.33	1.37	9.88	8.29	-8.84	-0.54	-19.63	1.37	9.88	8.29	-8.14	0.15		
5775	65	0.24	0.27	-23.76	1.38	9.89	8.29	-11.98	-3.69	-23.12	1.38	9.89	8.29	-11.34	-3.05		
	66	0.24	0.27	-23.34	1.38	9.89	8.29	-11.56	-3.27	-23.27	1.38	9.89	8.29	-11.49	-3.20		

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

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Ise EMC Lab.

4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

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Maximum Power Spectral Density

Report No. 13671144H
Test place Ise EMC Lab. No.8 Measurement Room
Date February 9, 2021 February 5, 2021
Temperature / Humidity 25 deg. C / 50 % RH 21 deg. C / 37 % RH
Engineer Yuta Moriya Hiroyuki Furutaka
Remarks ANT1 ANT3
Mode Tx 11ax-80 OFDMA (996-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1	3	Sum				1	3	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5210	0.06	0.08	0.15	-8.30	8.71	17.01	0.43	0.57	1.00	-0.01	17.00	17.01
5290	0.13	0.14	0.26	-5.80	8.71	14.51	0.84	0.93	1.77	2.49	17.00	14.51
5530	0.11	0.12	0.23	-6.41	8.71	15.12	0.75	0.79	1.54	1.88	17.00	15.12
5610	0.11	0.13	0.24	-6.15	8.71	14.86	0.74	0.89	1.64	2.14	17.00	14.86
5690	0.12	0.14	0.26	-5.91	8.71	14.62	0.81	0.92	1.73	2.38	17.00	14.62
5775	0.07	0.07	0.14	-8.42	27.71	36.13	0.47	0.50	0.97	-0.13	36.00	36.13

			Antenna 1						Antenna 3					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	0.23	0.00	-23.28	1.24	9.86	8.29	-11.95	-3.66	-22.08	1.24	9.86	8.29	-10.75	-2.46
5290	0.23	0.00	-20.36	1.24	9.86	8.29	-9.03	-0.74	-19.94	1.24	9.86	8.29	-8.61	-0.32
5530	0.23	0.00	-21.02	1.36	9.88	8.29	-9.55	-1.26	-20.76	1.36	9.88	8.29	-9.29	-1.00
5610	0.23	0.00	-21.05	1.37	9.88	8.29	-9.57	-1.28	-20.27	1.37	9.88	8.29	-8.79	-0.50
5690	0.23	0.00	-20.69	1.37	9.88	8.29	-9.21	-0.92	-20.12	1.37	9.88	8.29	-8.64	-0.35
5775	0.23	0.27	-23.33	1.38	9.89	8.29	-11.56	-3.27	-23.08	1.38	9.89	8.29	-11.31	-3.02

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for IC)

UL Japan, Inc.

Ise EMC Lab.

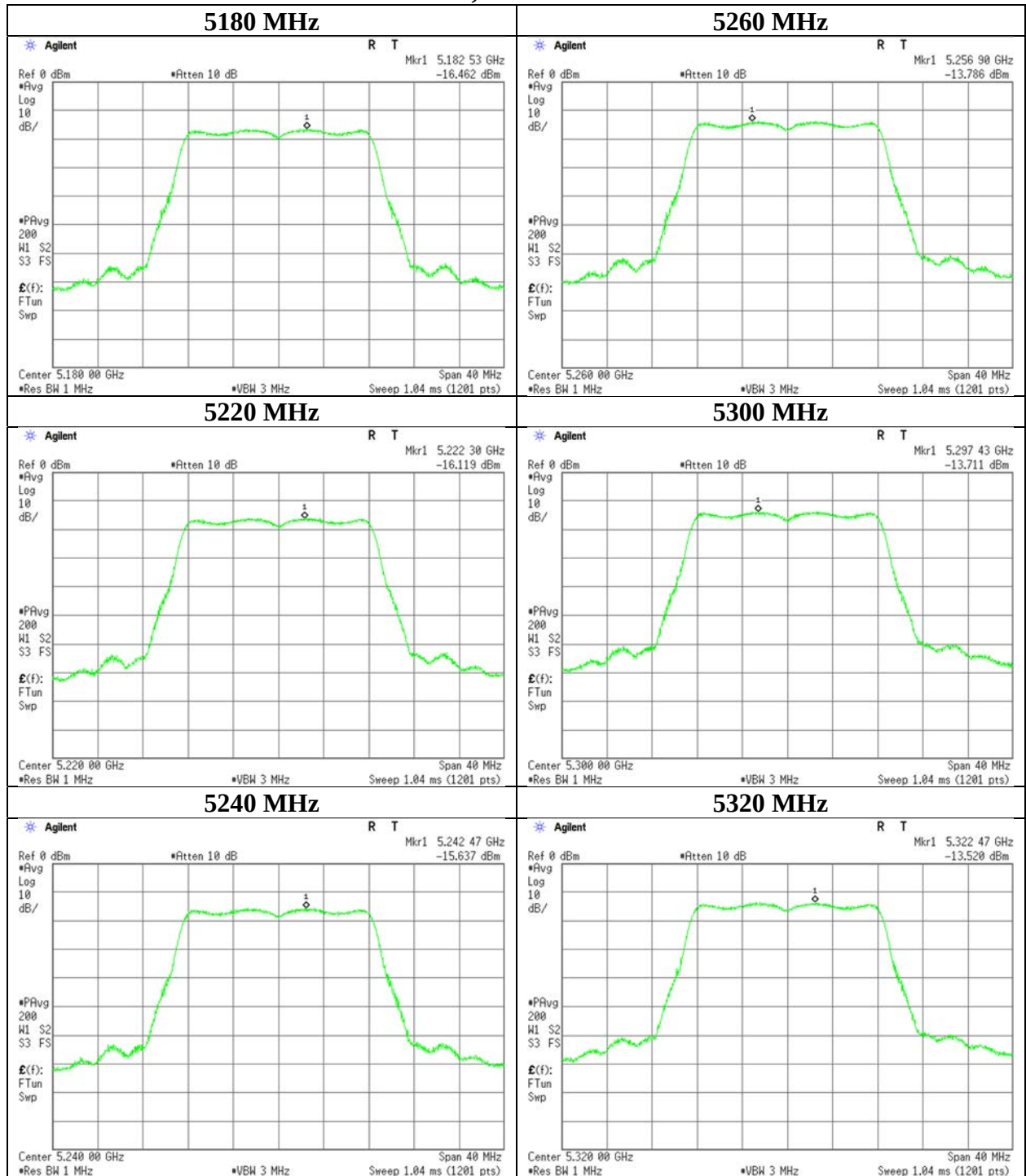
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Power Spectral Density

11a, Antenna 1



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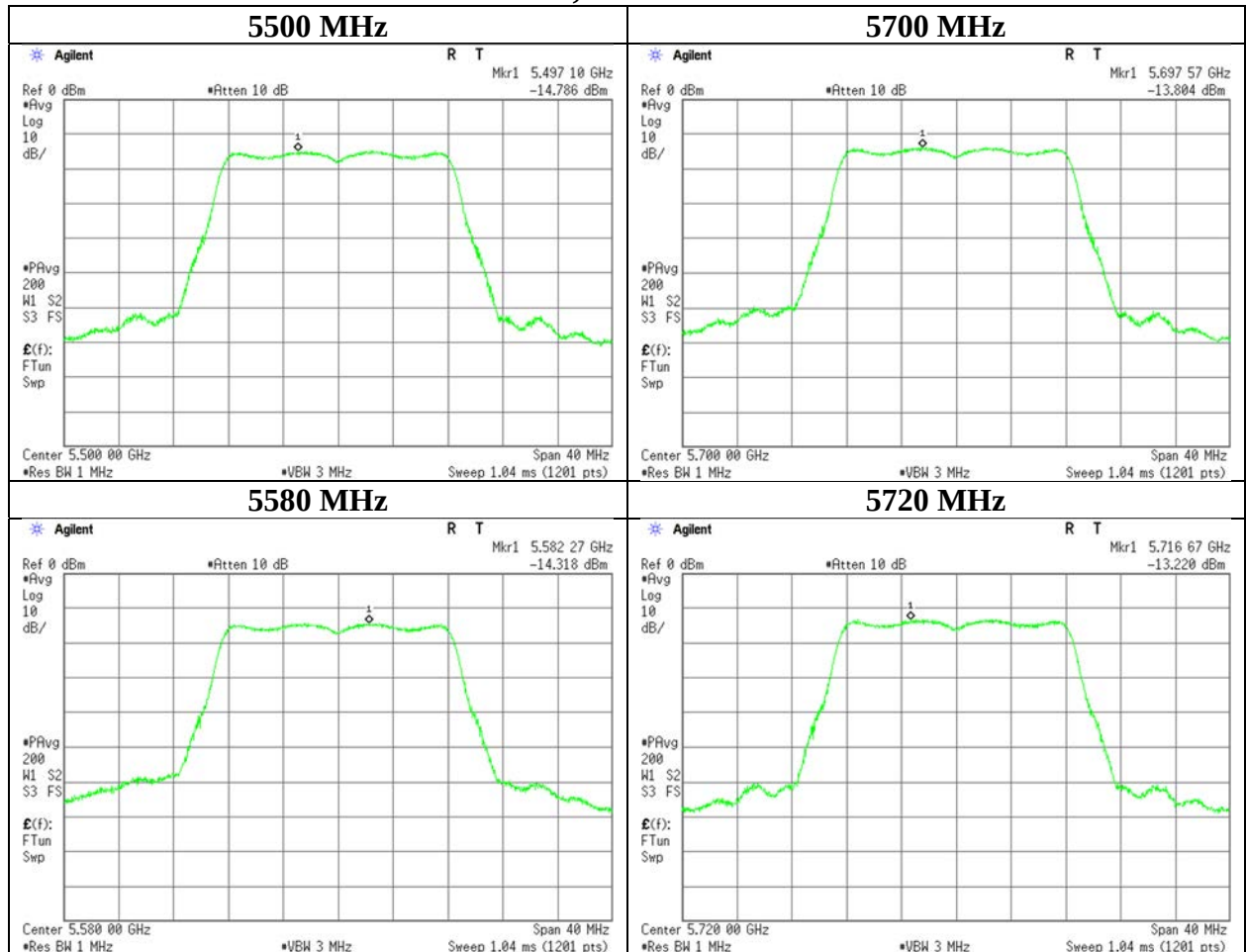
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Maximum Power Spectral Density

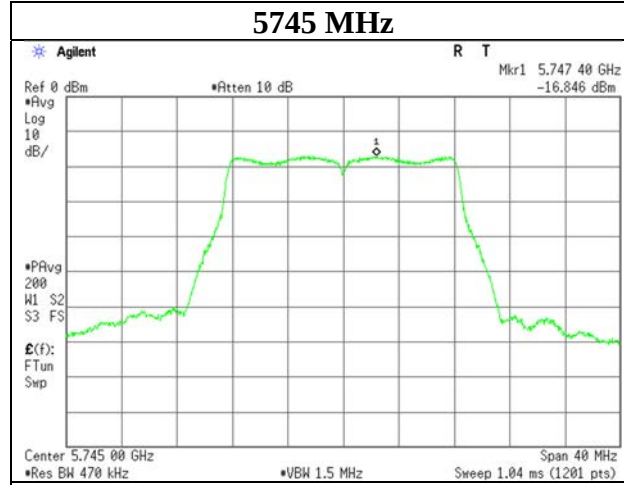
11a, Antenna 1



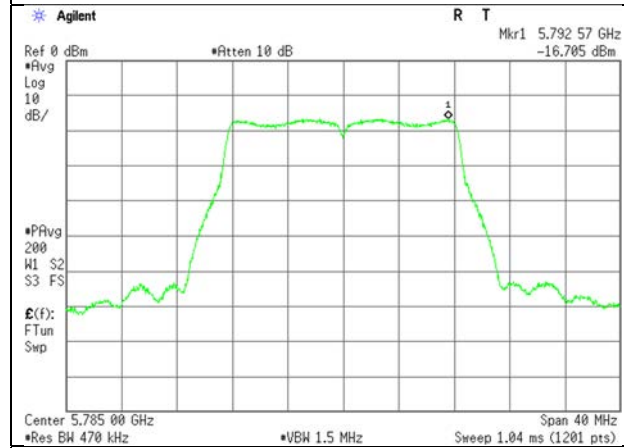
Maximum Power Spectral Density

11a, Antenna 1

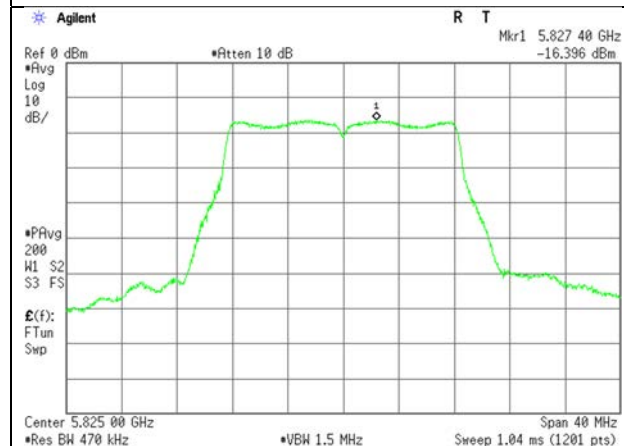
5745 MHz



5785 MHz

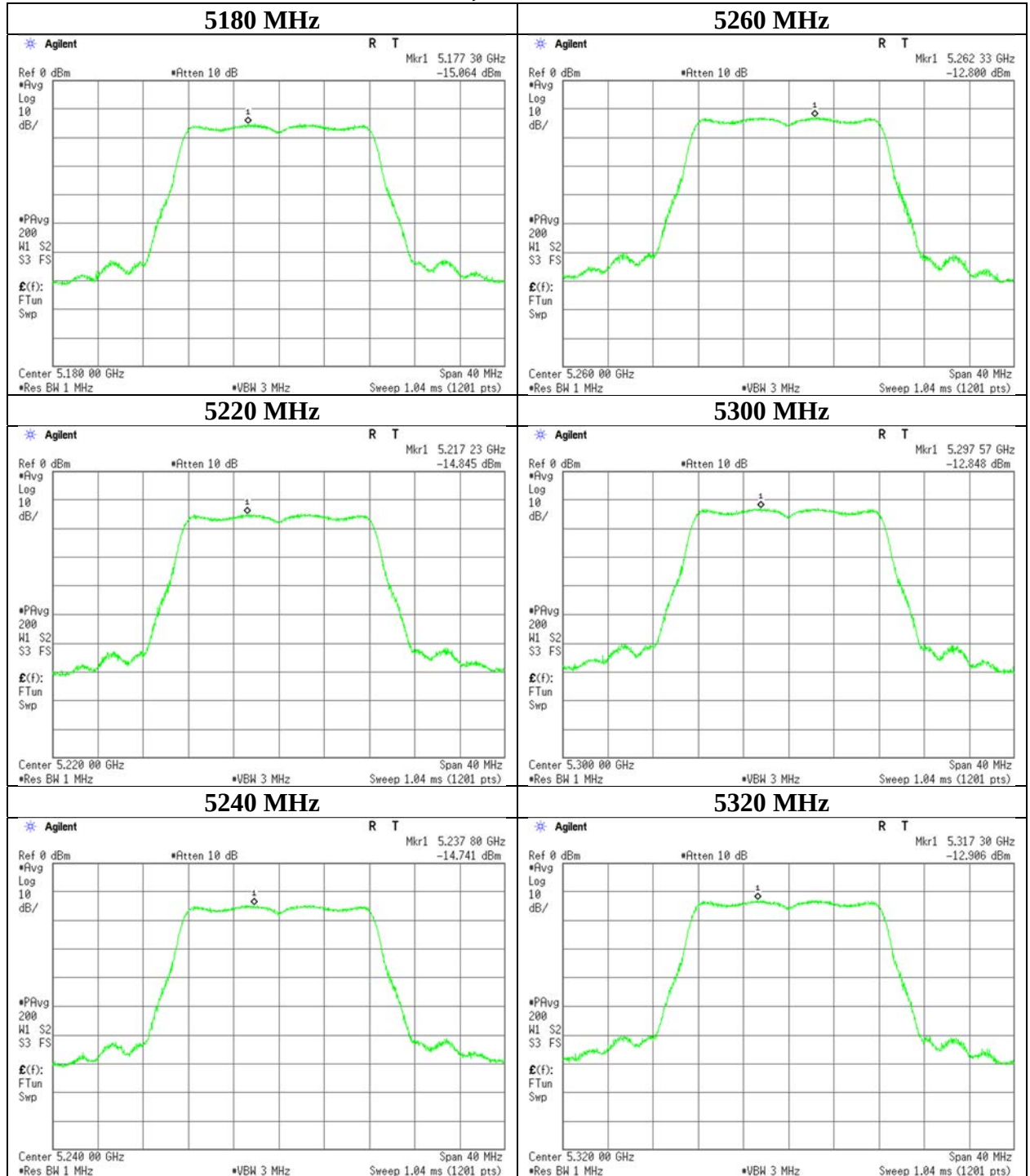


5825 MHz



Maximum Power Spectral Density

11a, Antenna 3



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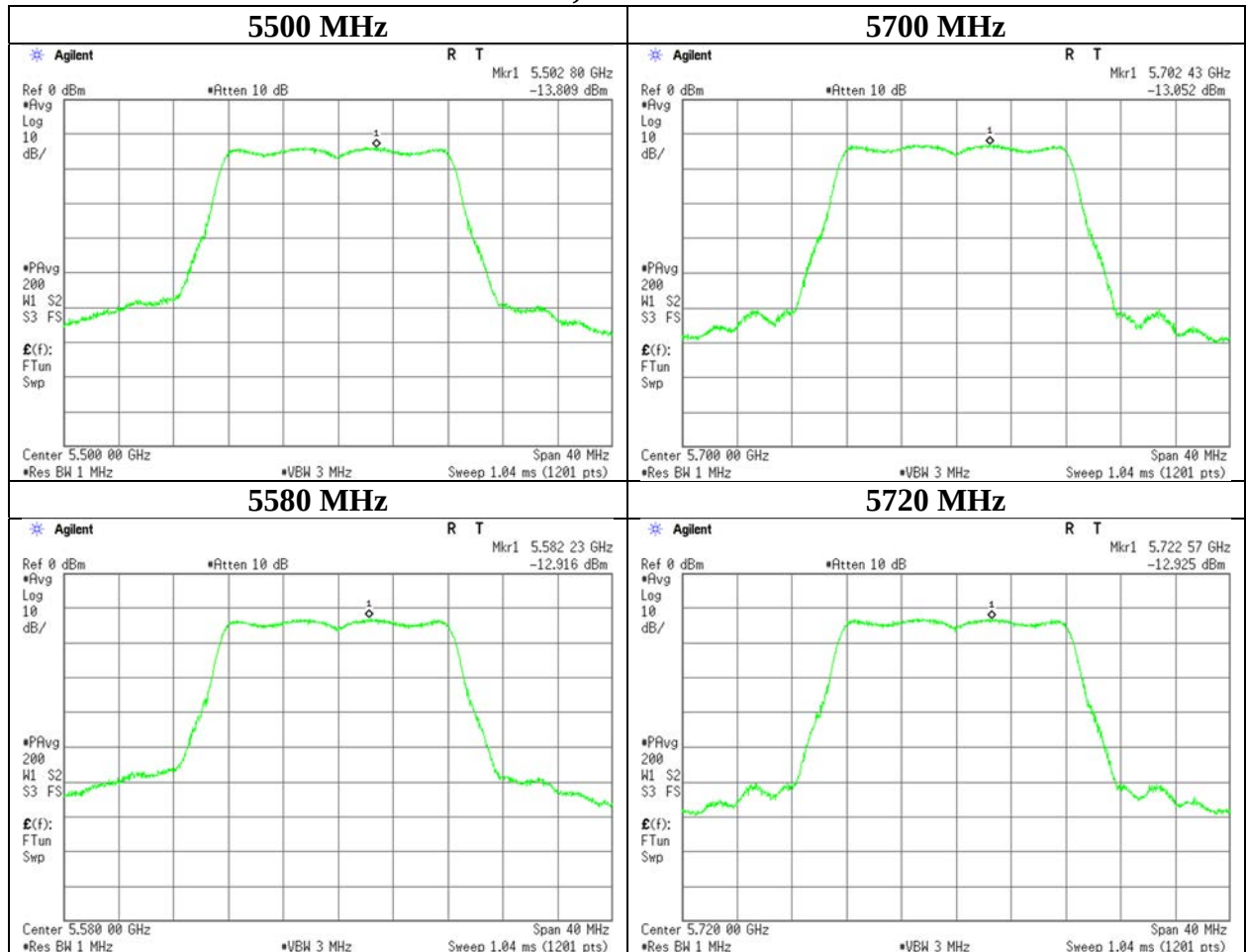
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

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Facsimile : +81 596 24 8124

Maximum Power Spectral Density

11a, Antenna 3



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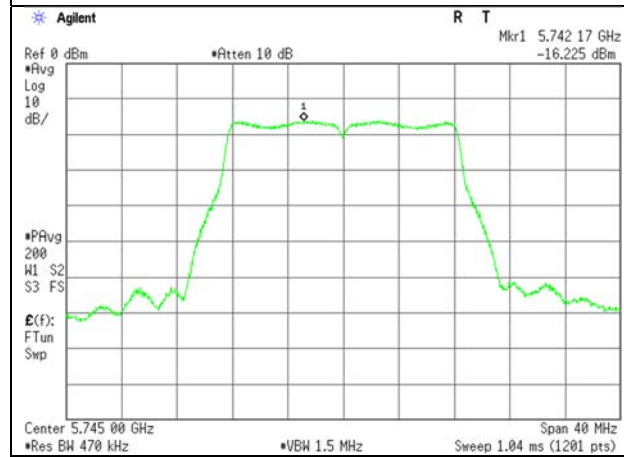
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

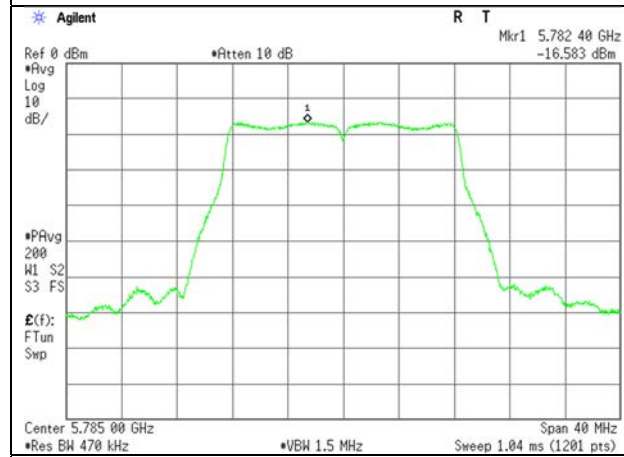
Maximum Power Spectral Density

11a, Antenna 3

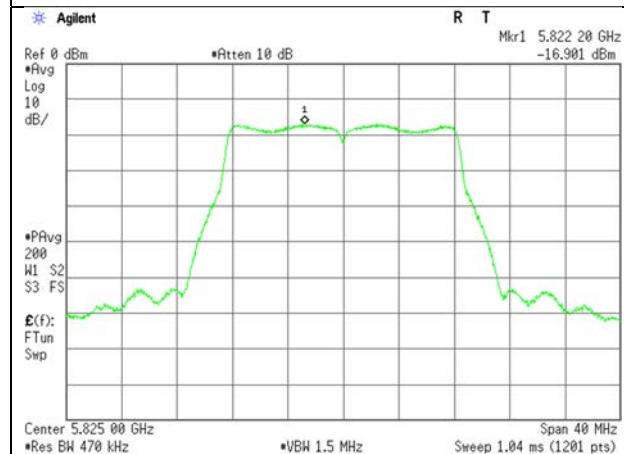
5745 MHz



5785 MHz



5825 MHz



UL Japan, Inc.

Ise EMC Lab.

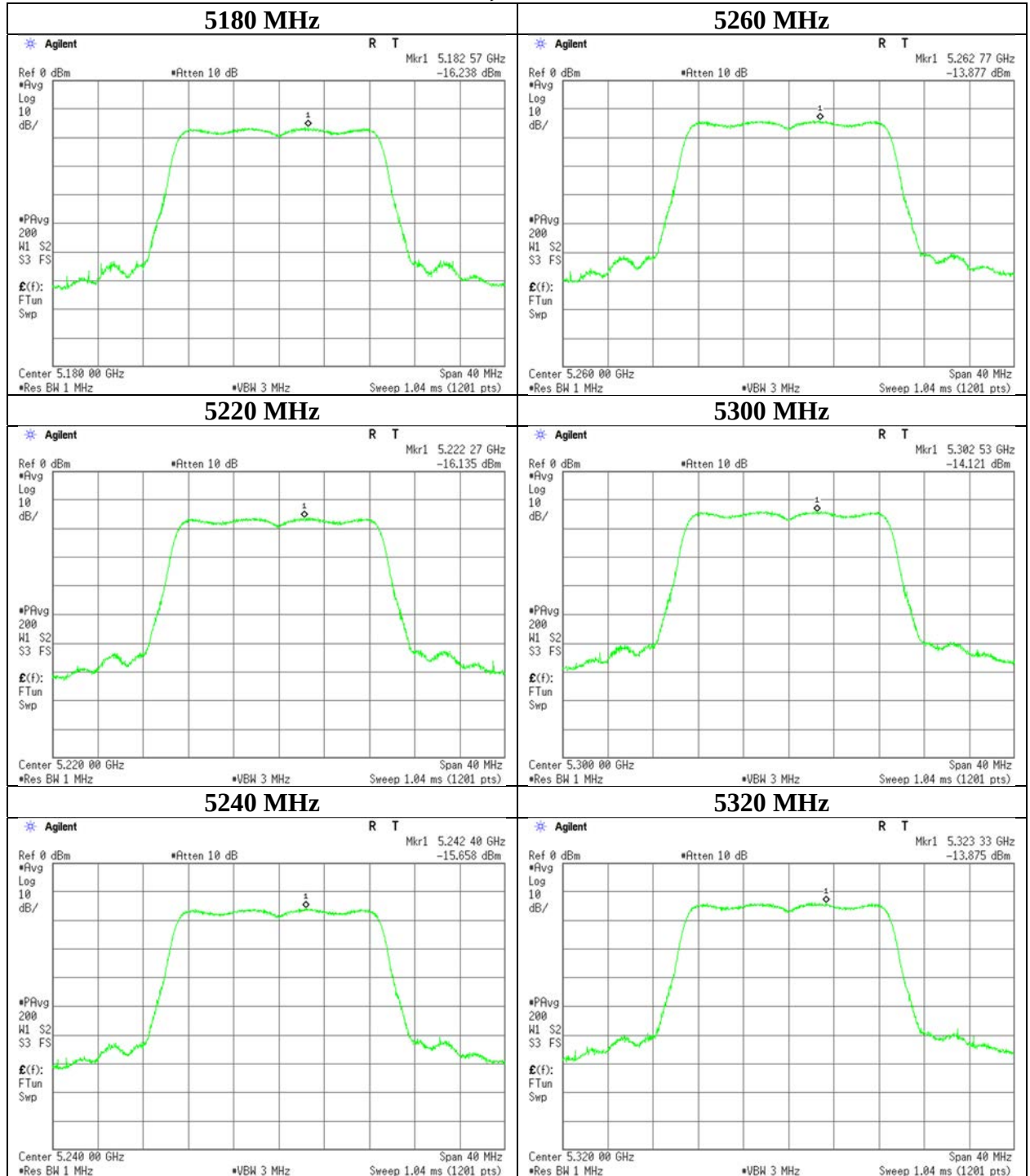
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

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Maximum Power Spectral Density

11n-20, Antenna 1



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Ise EMC Lab.

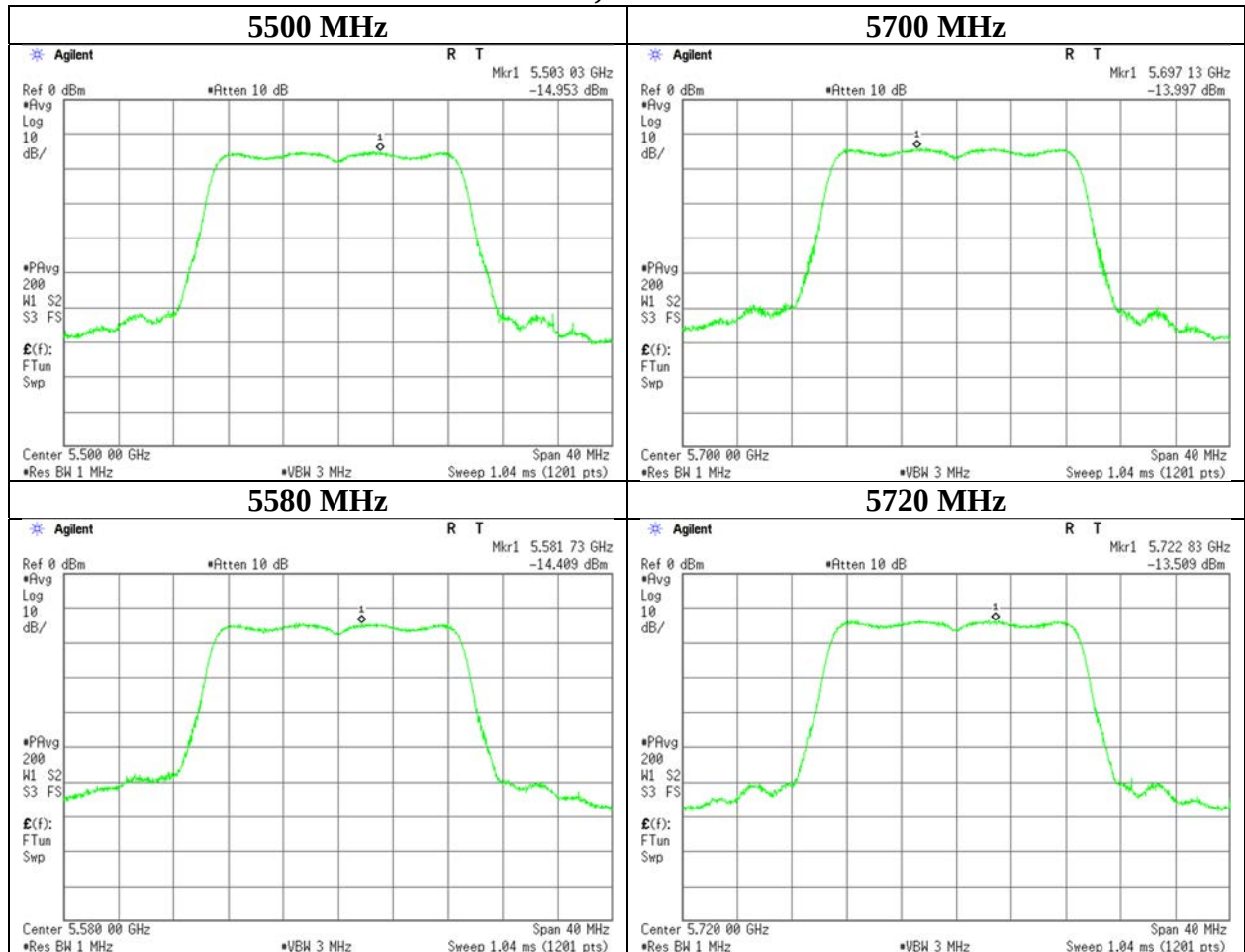
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN

Telephone : +81 596 24 8999

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Maximum Power Spectral Density

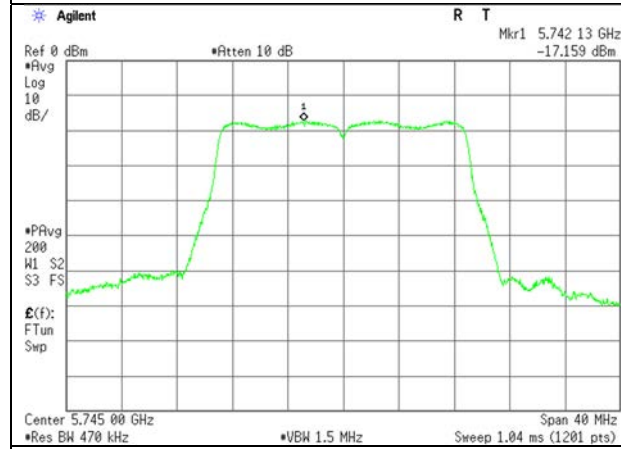
11n-20, Antenna 1



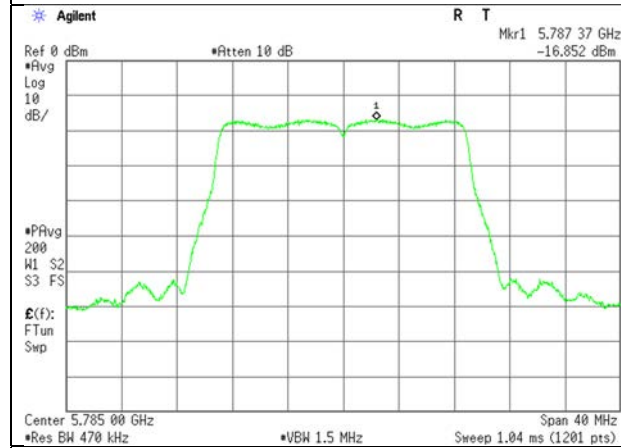
Maximum Power Spectral Density

11n-20, Antenna 1

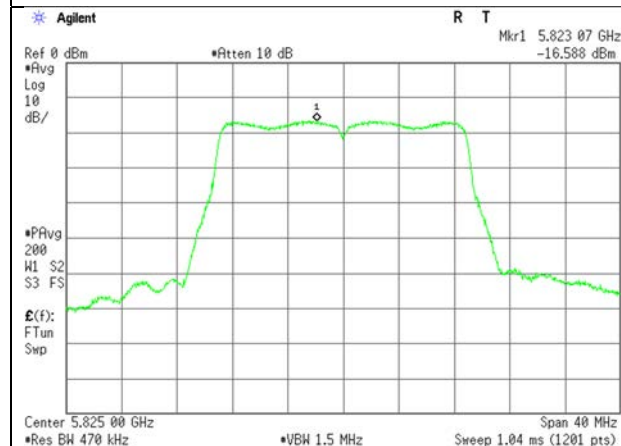
5745 MHz



5785 MHz



5825 MHz



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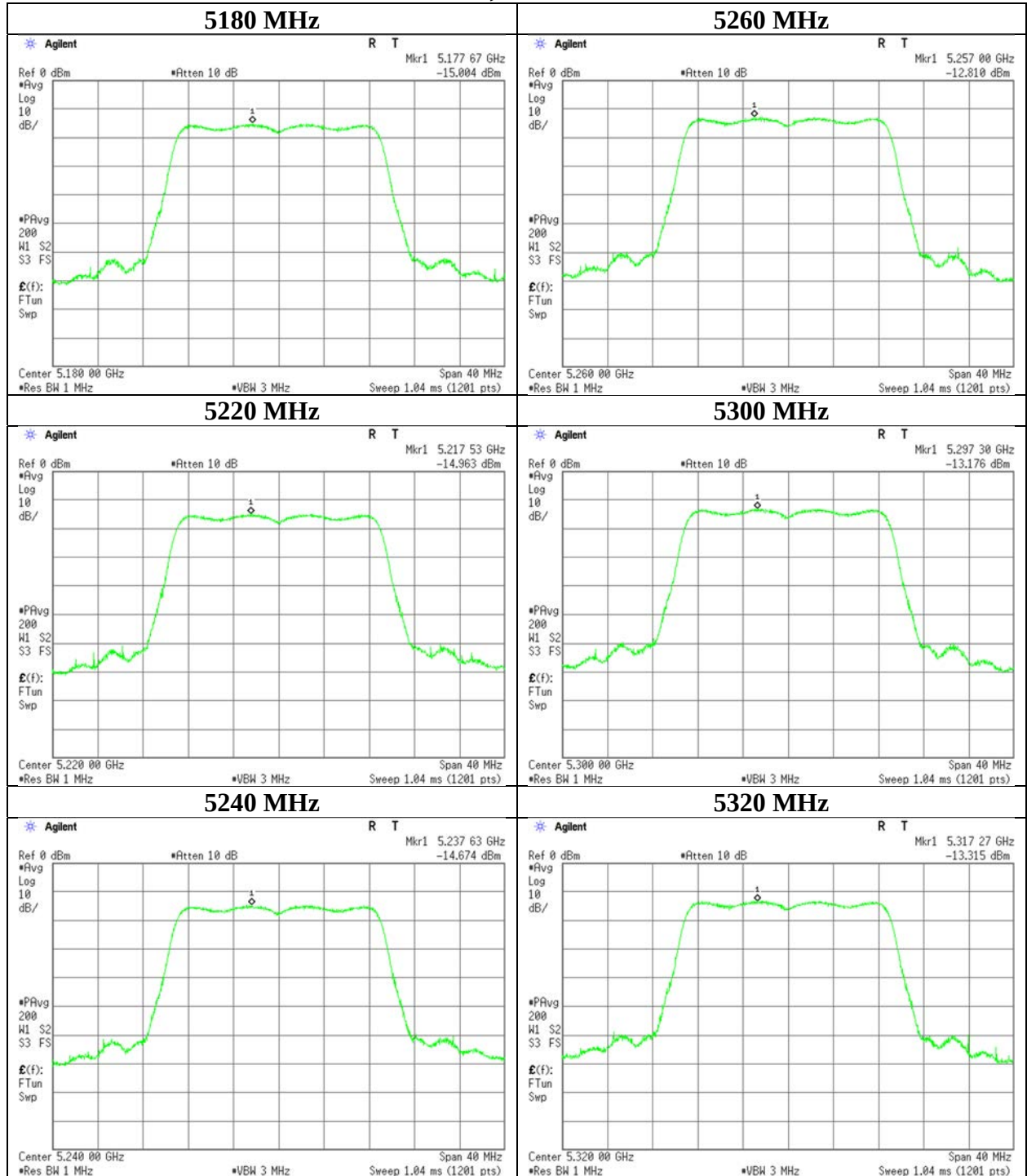
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Maximum Power Spectral Density

11n-20, Antenna 3



UL Japan, Inc.

Ise EMC Lab.

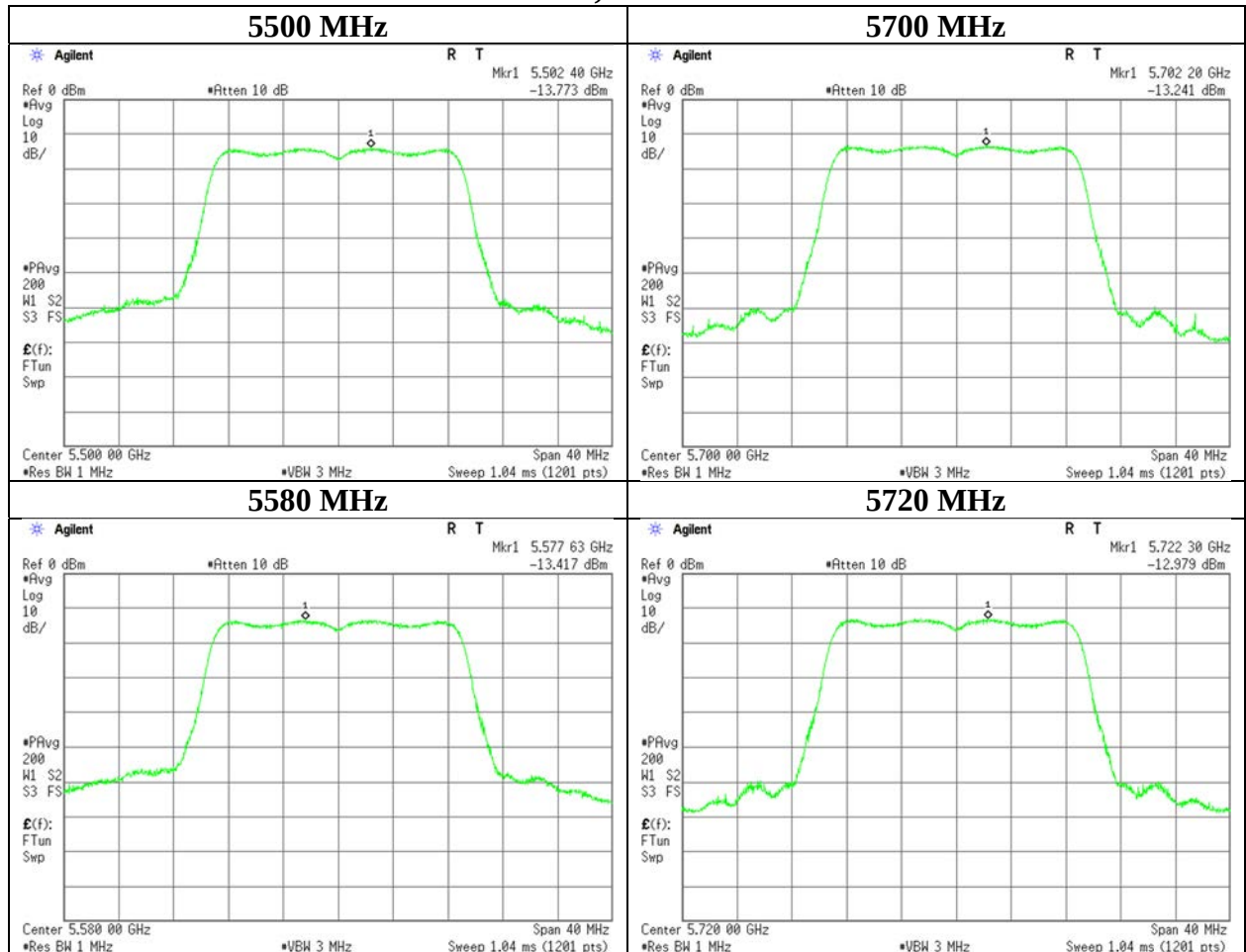
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Maximum Power Spectral Density

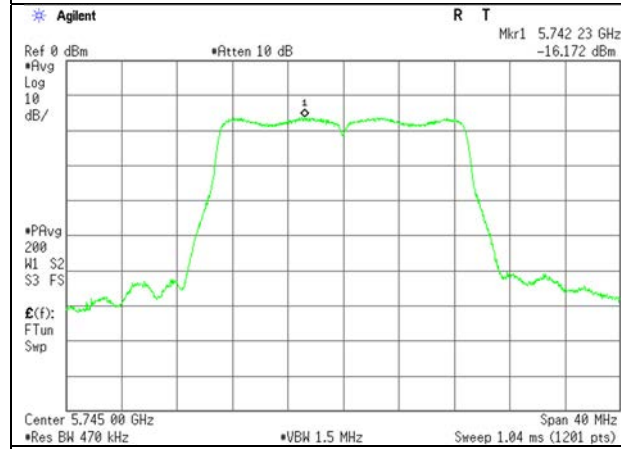
11n-20, Antenna 3



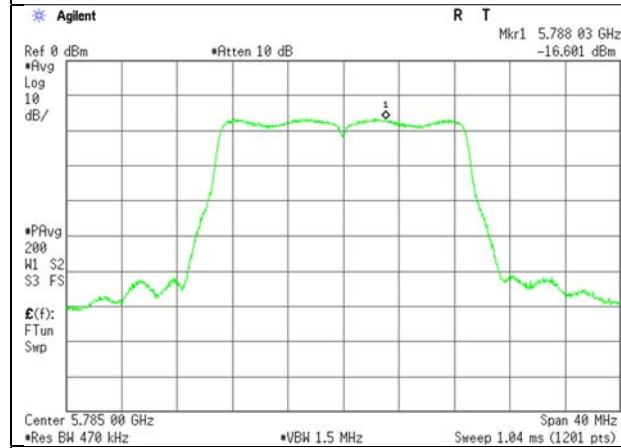
Maximum Power Spectral Density

11n-20, Antenna 3

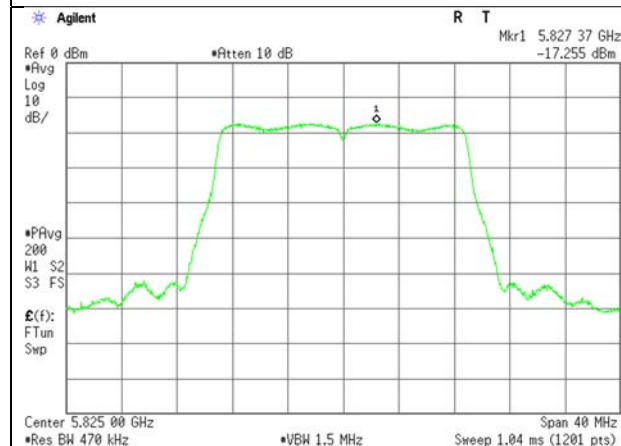
5745 MHz



5785 MHz



5825 MHz



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