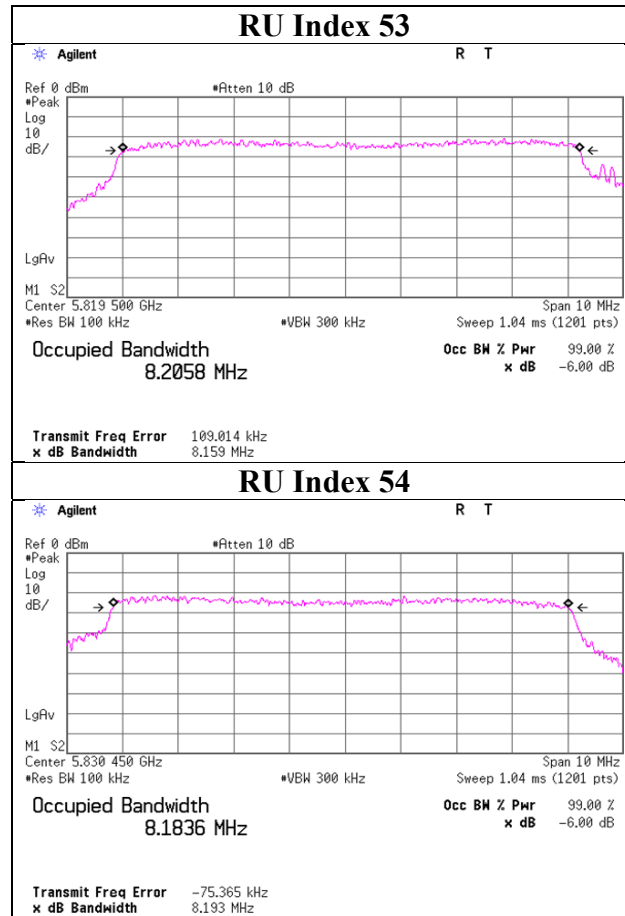


6dB Bandwidth

11ax-20 106-tone RU 5825 MHz



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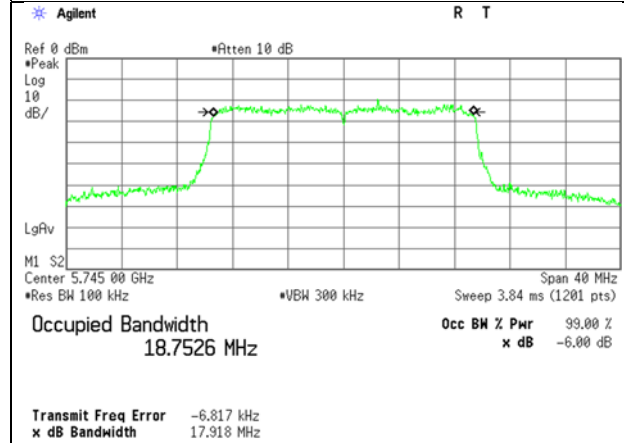
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

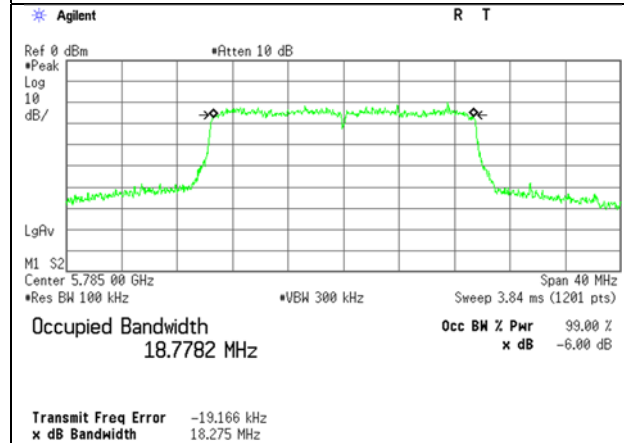
6 dB Bandwidth

11ax-20 242-tone RU

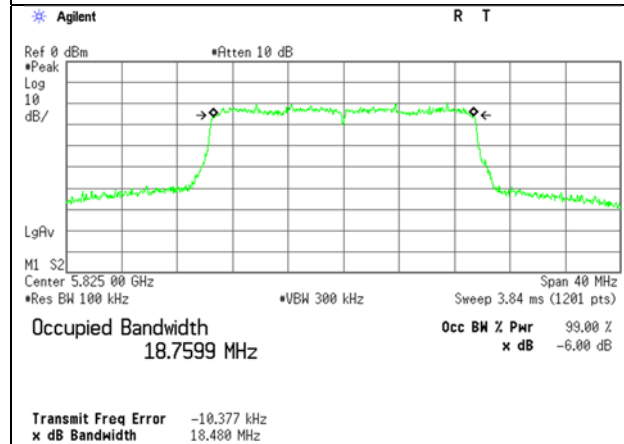
5745 MHz



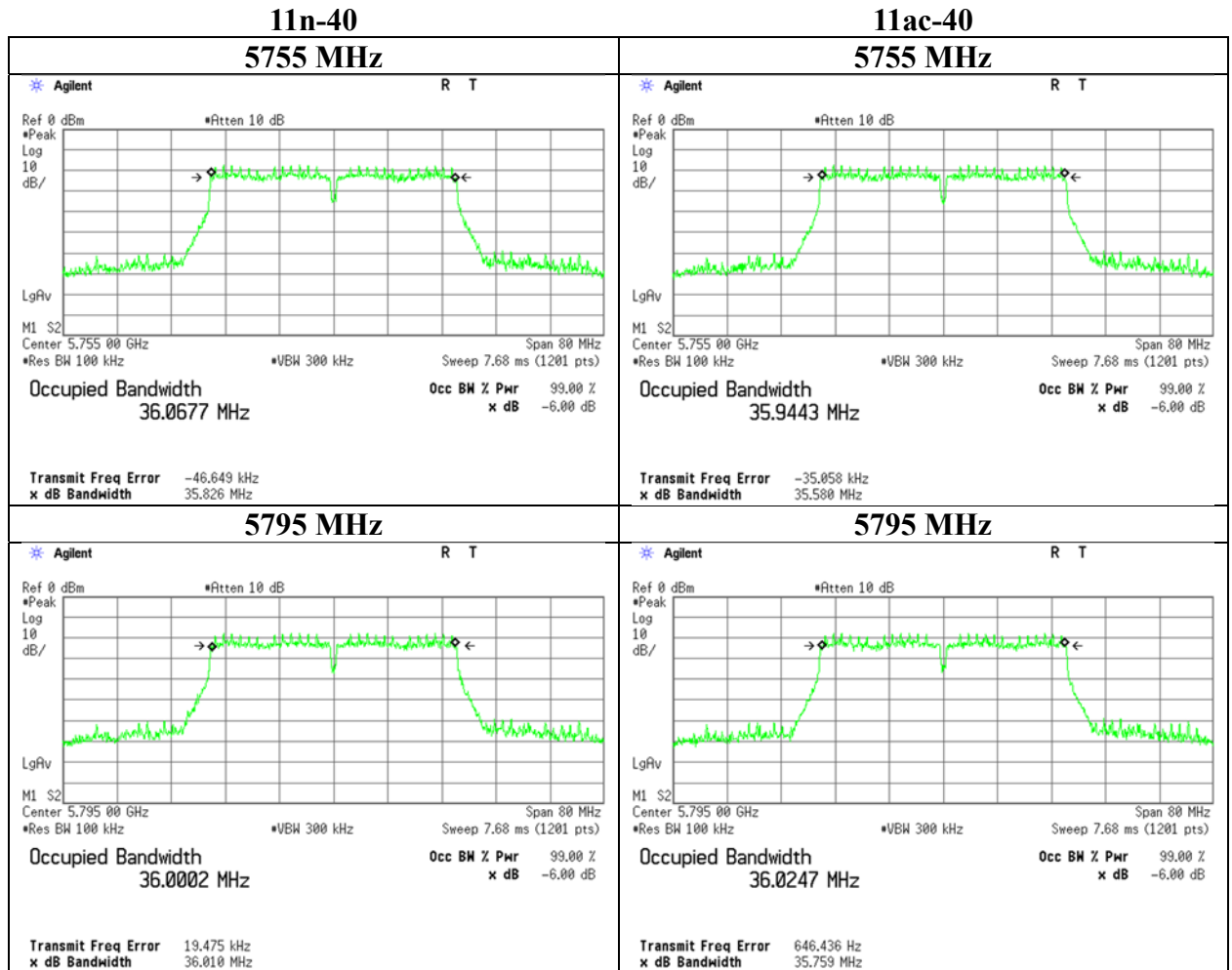
5785 MHz



5825 MHz



6 dB Bandwidth



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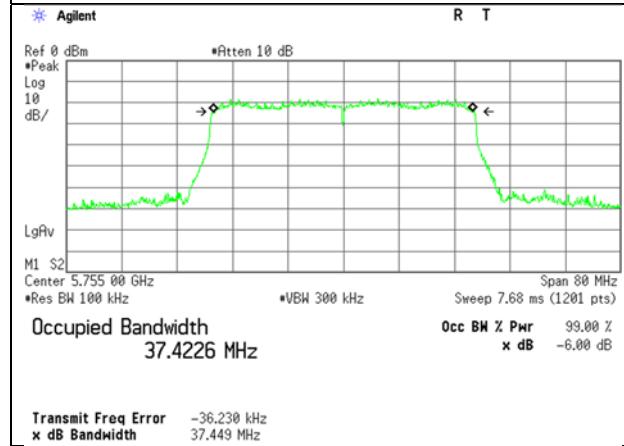
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

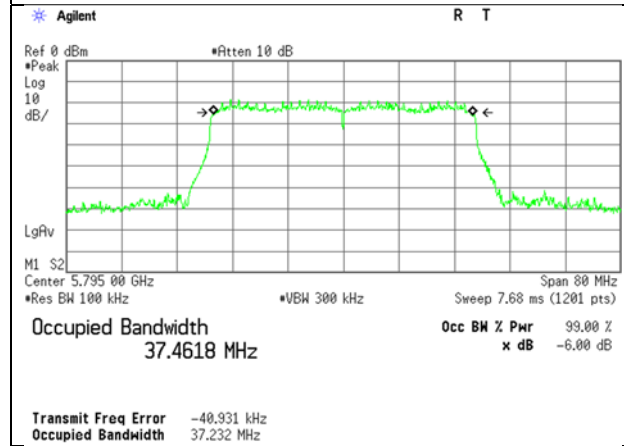
6 dB Bandwidth

11ax-40 (OFDM)

5755 MHz



5795 MHz

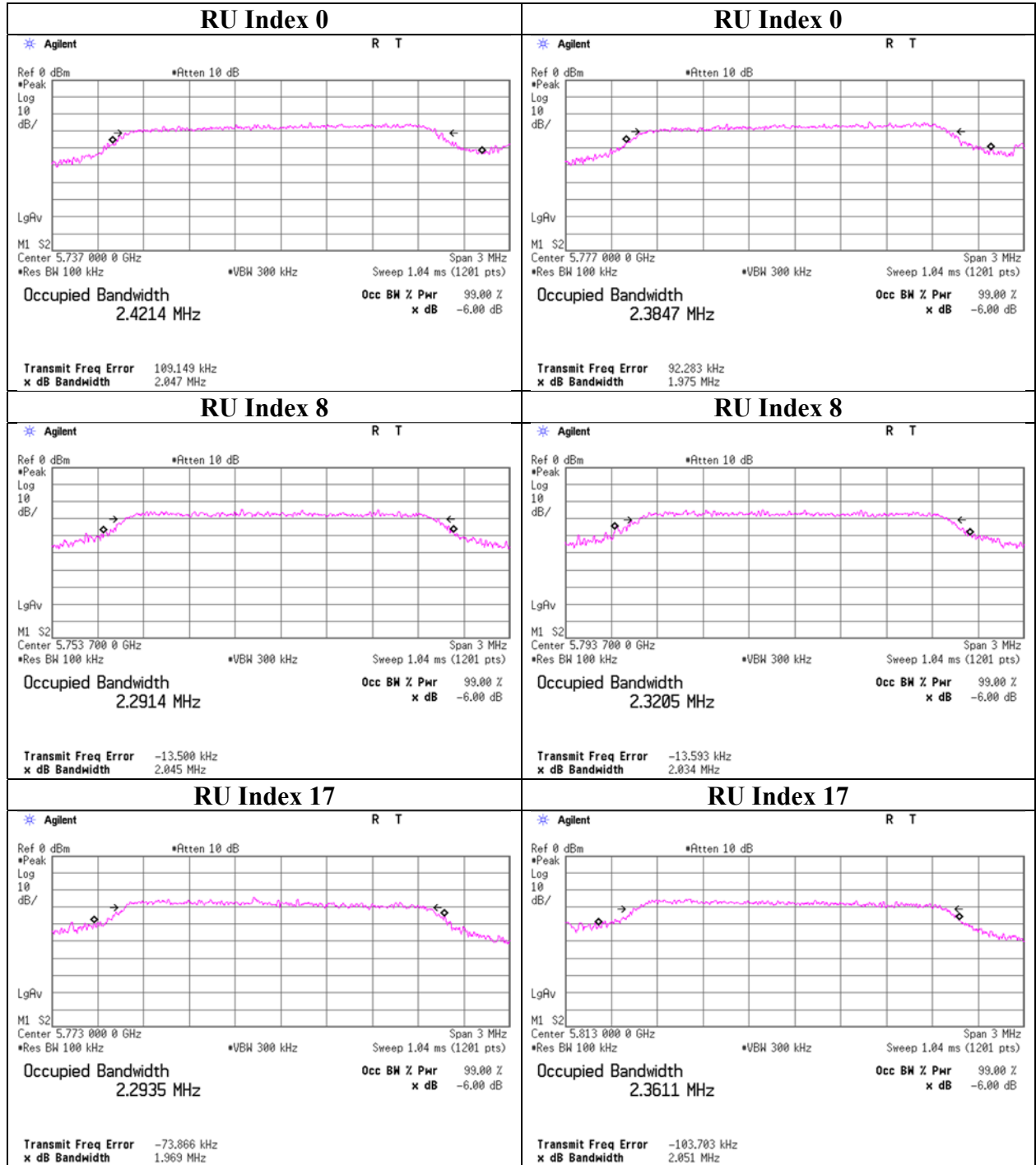


6dB Bandwidth

11ax-40

26-tone RU 5755 MHz

26-tone RU 5795 MHz



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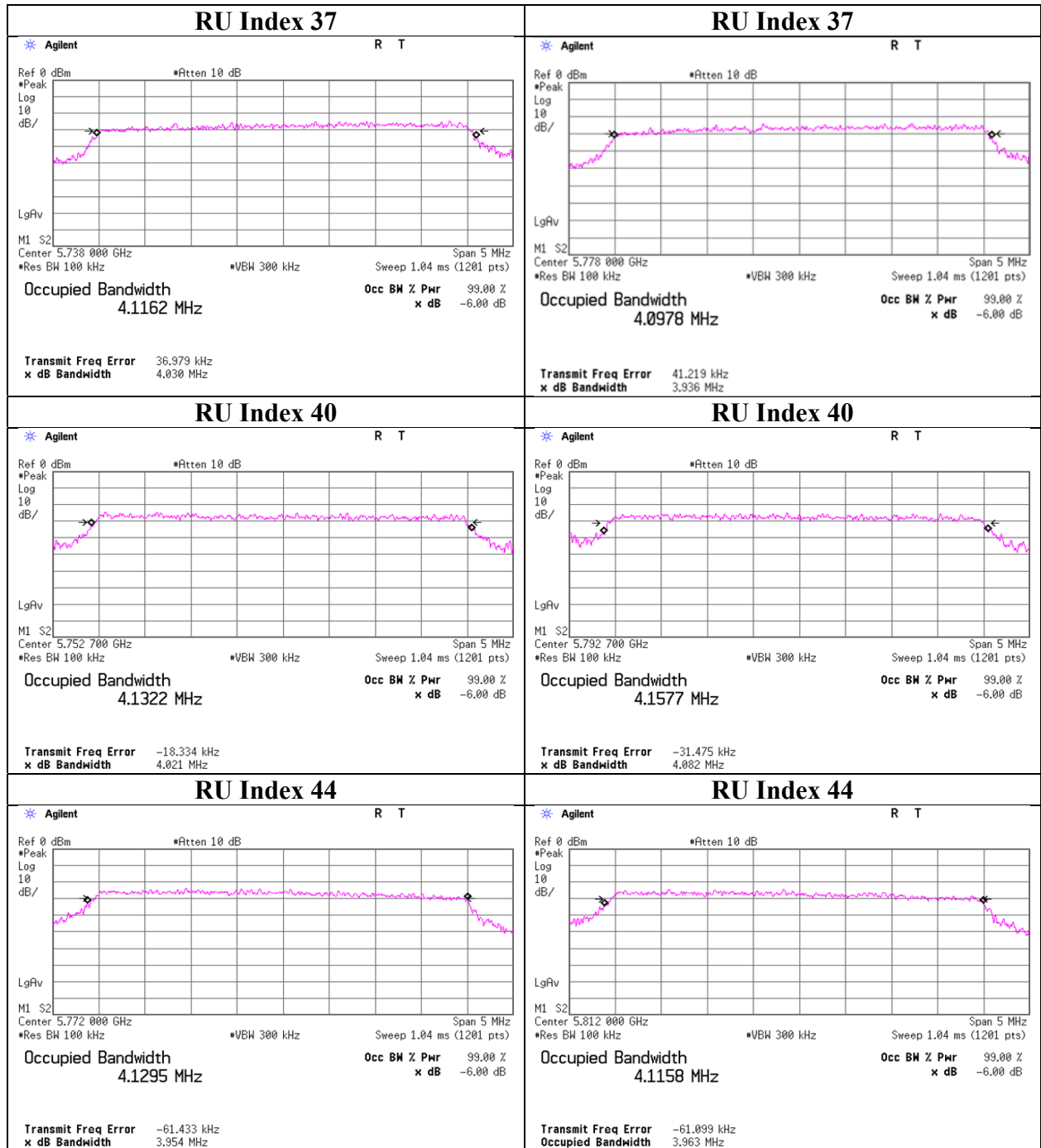
Facsimile : +81 596 24 8124

6dB Bandwidth

11ax-40

52-tone RU 5755 MHz

52-tone RU 5795 MHz



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Telephone : +81 596 24 8999

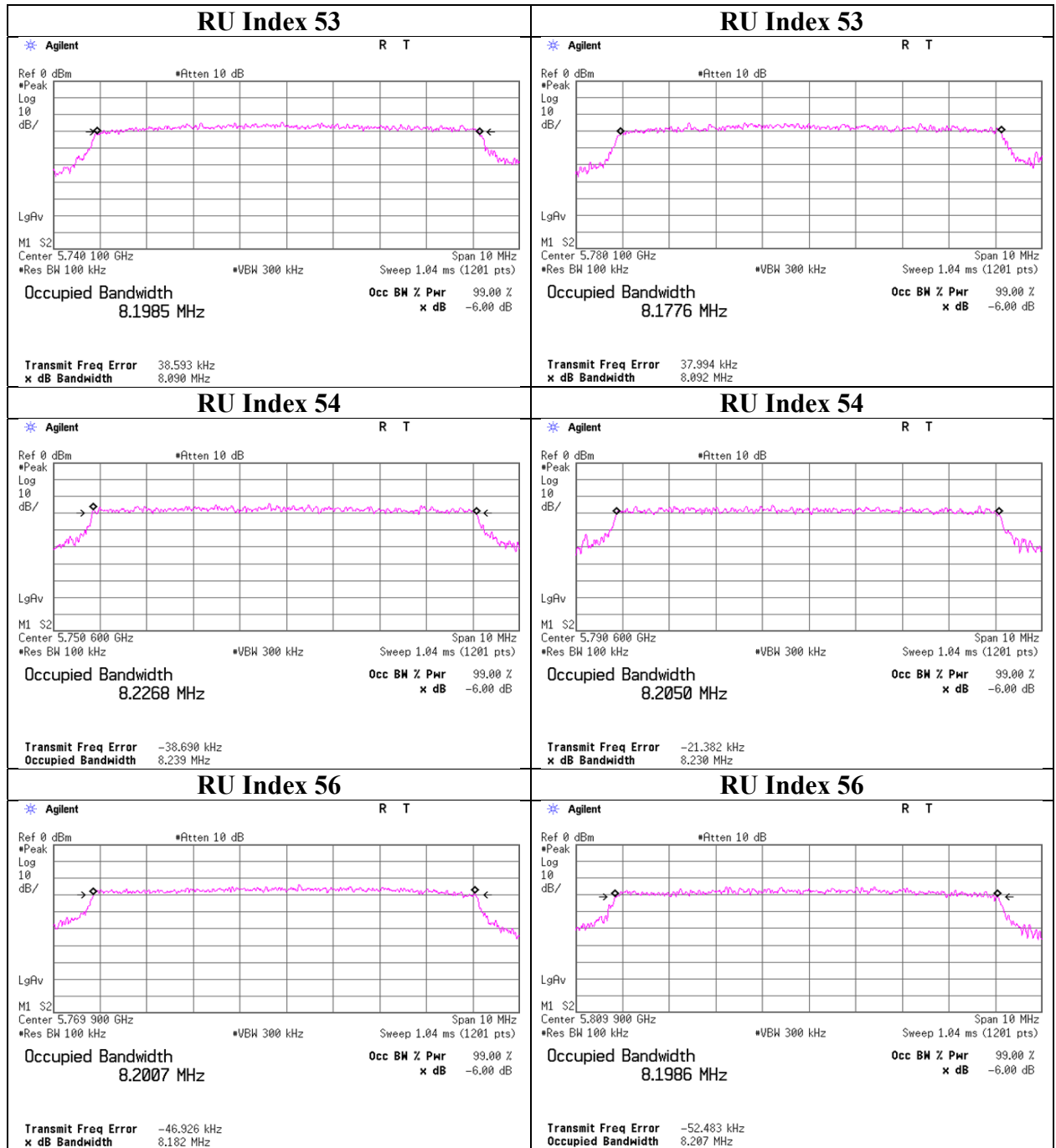
Facsimile : +81 596 24 8124

6dB Bandwidth

11ax-40

106-tone RU 5755 MHz

106-tone RU 5795 MHz



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Telephone : +81 596 24 8999

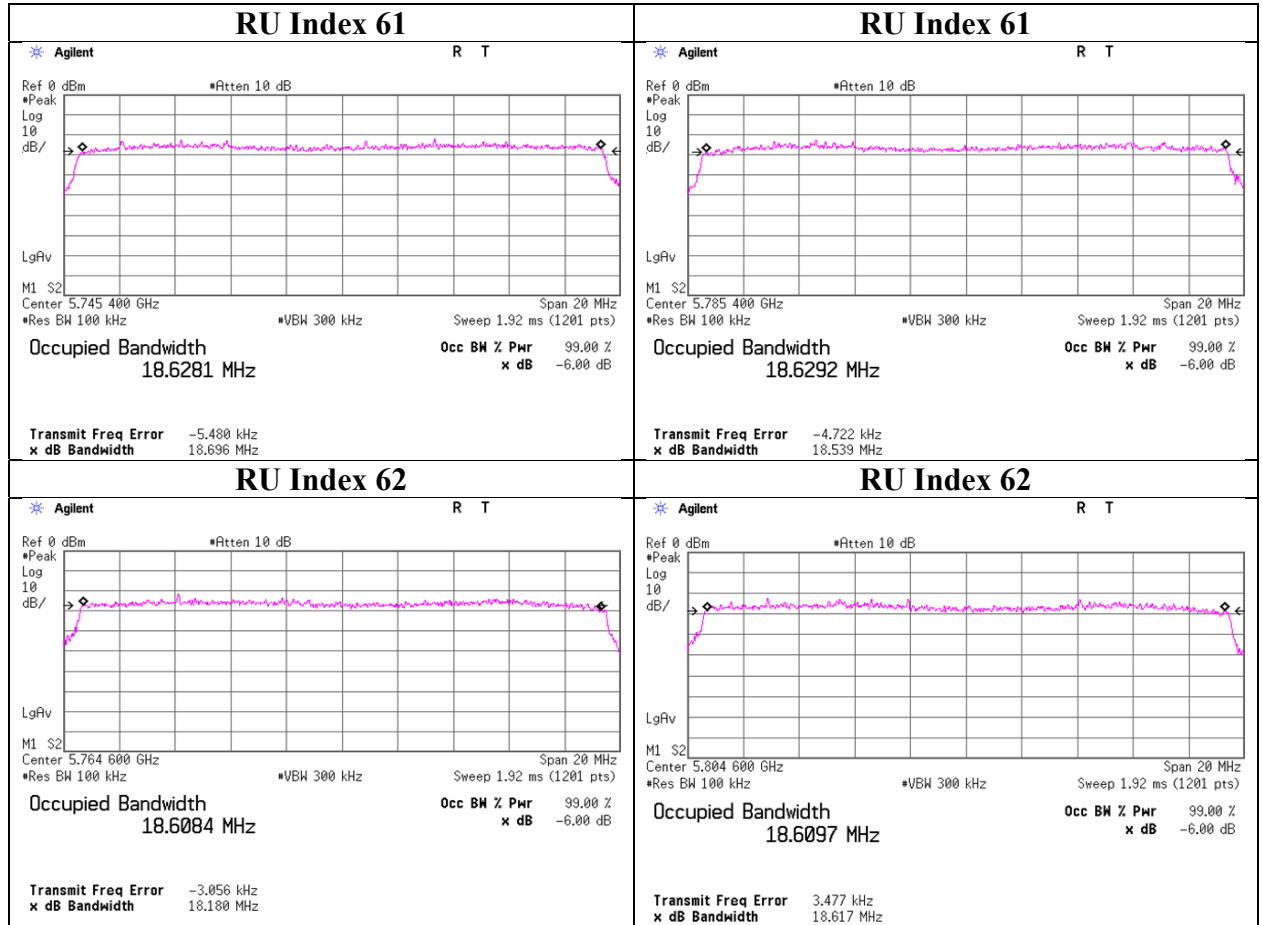
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6dB Bandwidth

11ax-40

242-tone RU 5755 MHz

242-tone RU 5795 MHz



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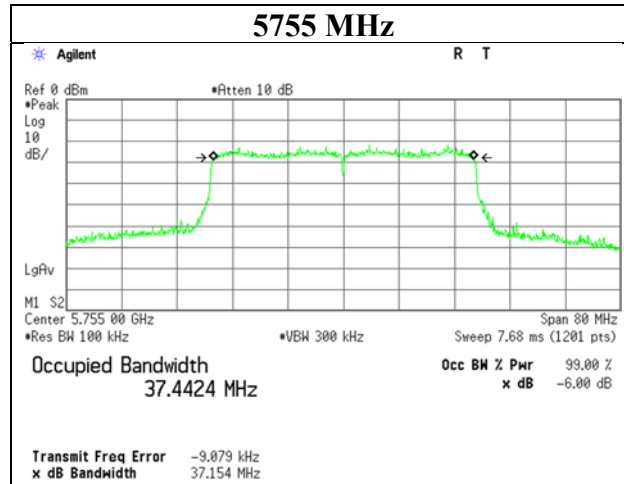
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

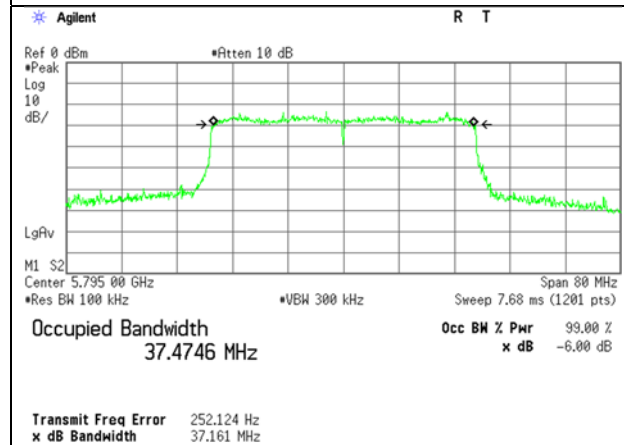
6 dB Bandwidth

11ax-40 484-tone RU

5755 MHz



5795 MHz



UL Japan, Inc.

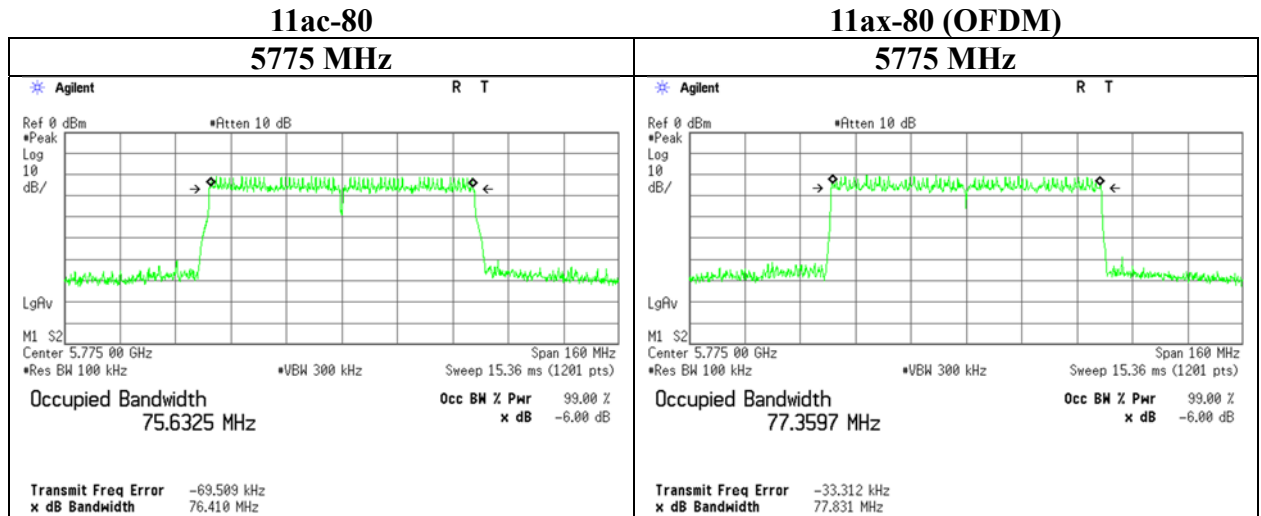
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6 dB Bandwidth



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Telephone : +81 596 24 8999

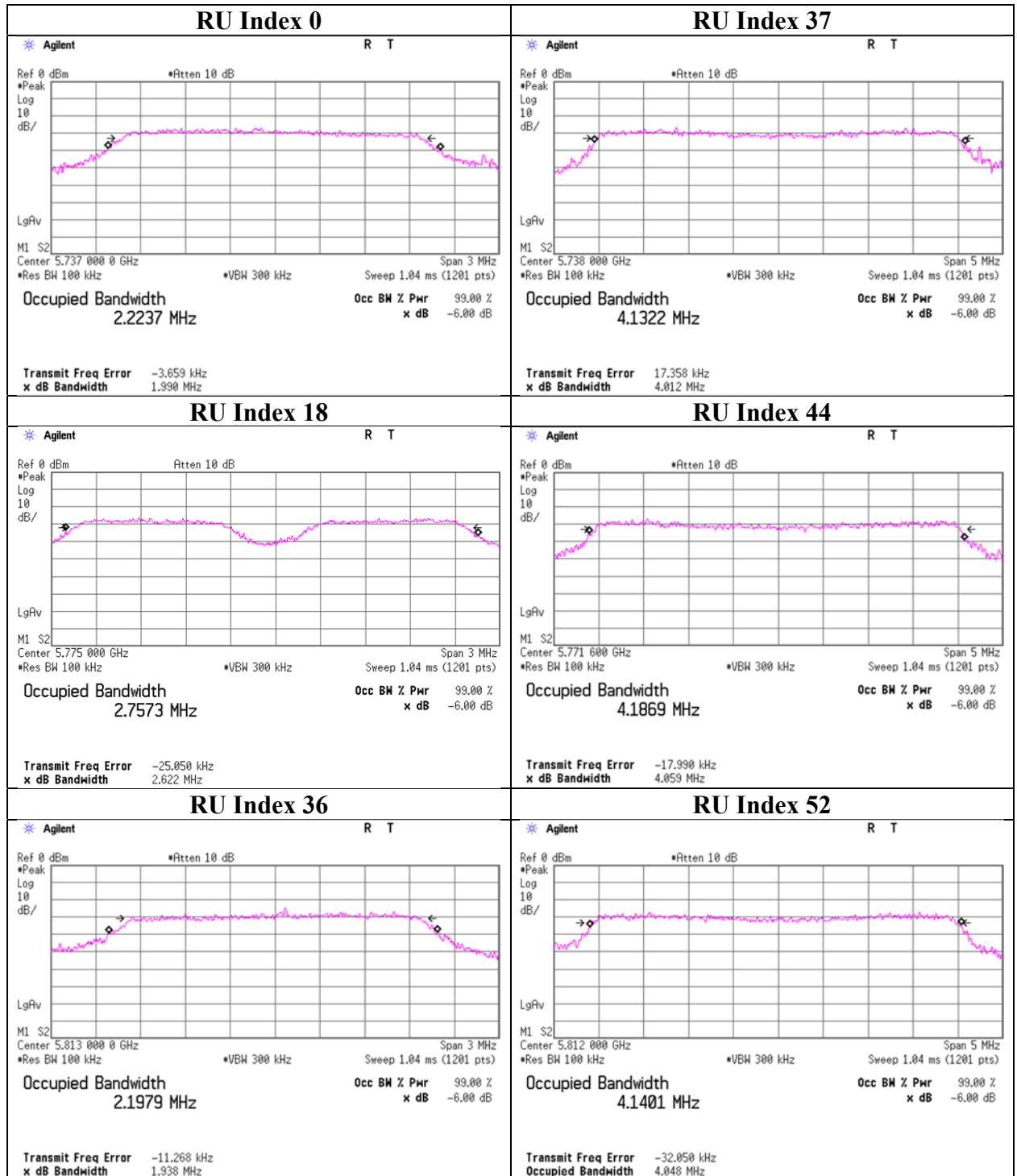
Facsimile : +81 596 24 8124

6dB Bandwidth

11ax-80

26-tone RU 5775 MHz

52-tone RU 5775 MHz



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Telephone : +81 596 24 8999

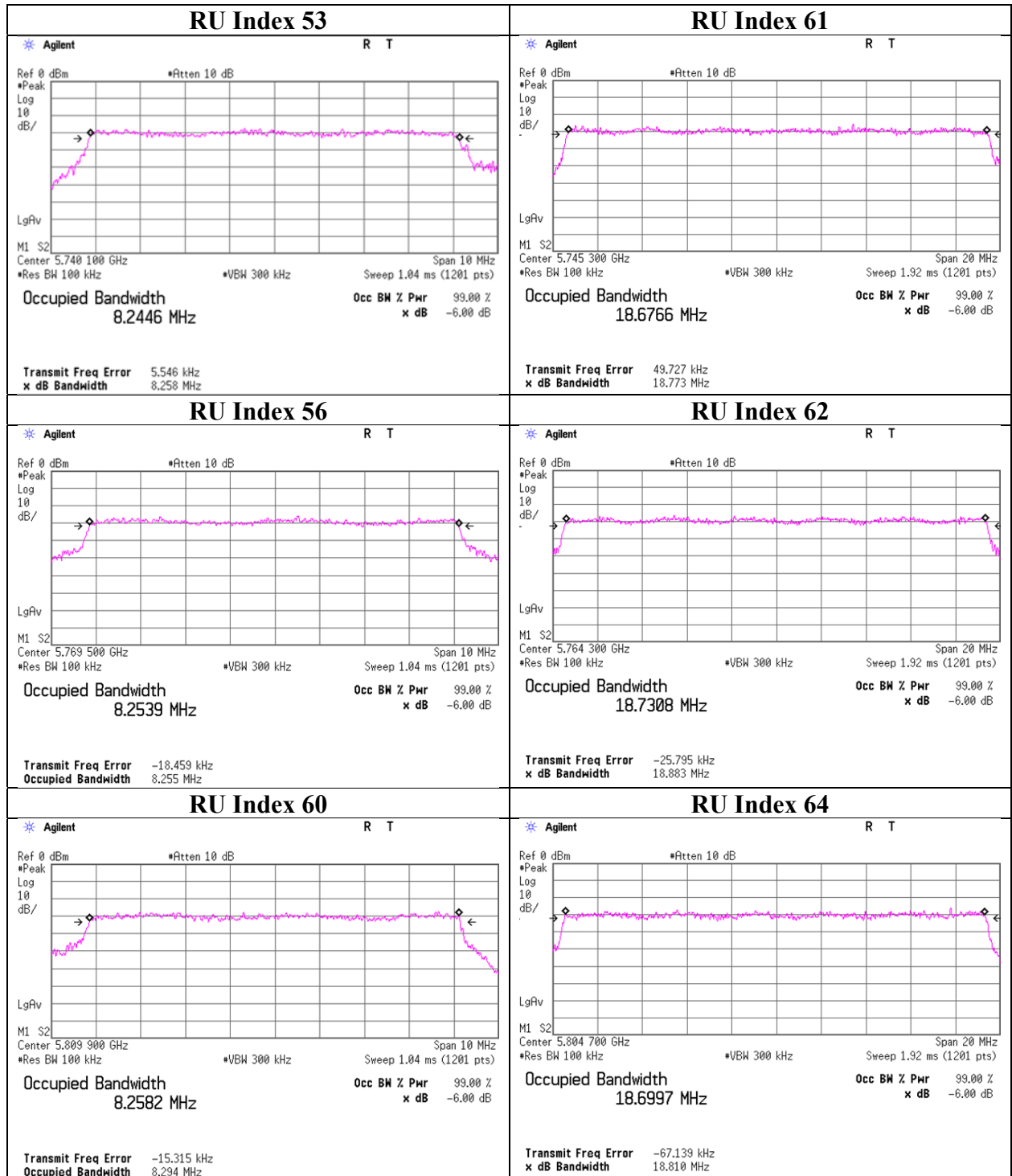
Facsimile : +81 596 24 8124

6dB Bandwidth

11ax-80

106-tone RU 5775 MHz

242-tone RU 5775 MHz



UL Japan, Inc.

Ise EMC Lab.

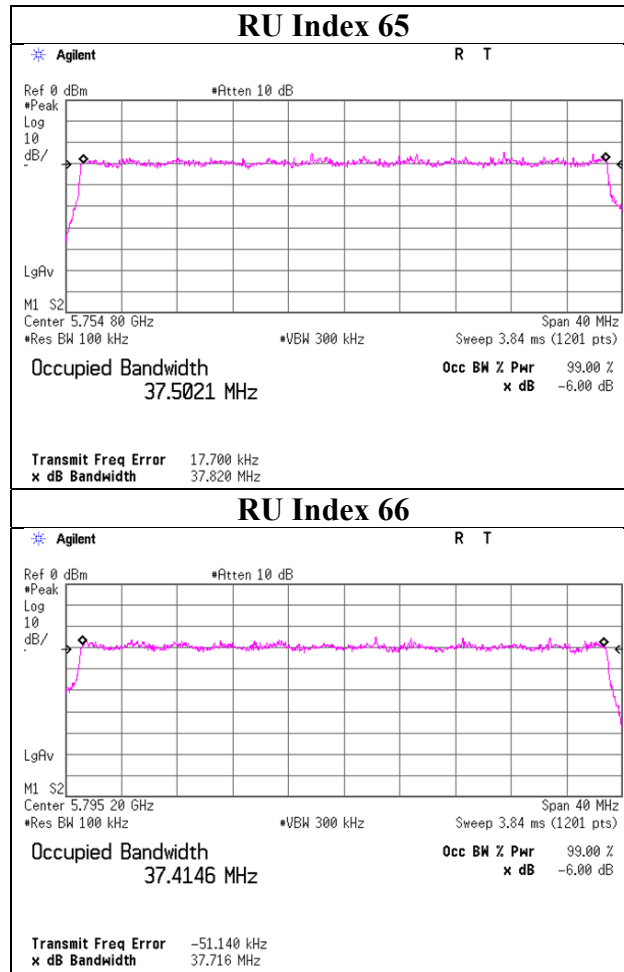
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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

6dB Bandwidth

11ax-80
484-tone RU 5775 MHz



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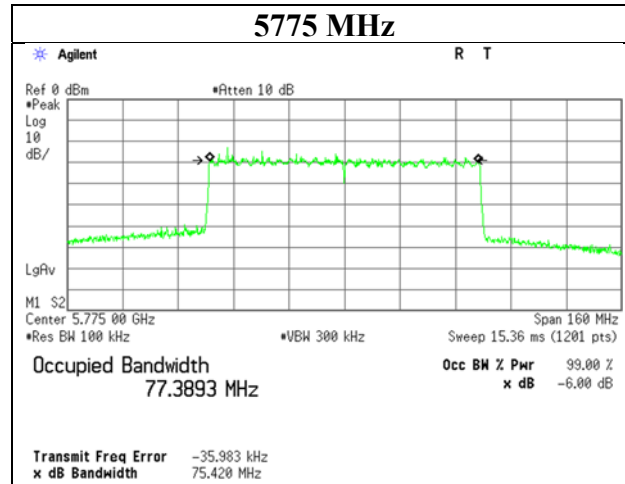
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6 dB Bandwidth

11ax-80
996-tone RU

5775 MHz



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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 18, 2019
Temperature / Humidity 24 deg. C / 42 % RH
Engineer Akihiko Maeda
Mode Tx 11a (High Power Setting)

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	-	16.844	4.03	3.18	7.20	8.58	22.68	14.10	21.58	17.02	38.60	15.87	29.97	14.10
5220	-	16.842	3.94	3.33	7.27	8.62	22.68	14.06	21.13	17.82	38.96	15.91	29.97	14.06
5240	-	16.885	3.91	3.44	7.34	8.66	22.68	14.02	20.94	18.41	39.35	15.95	29.97	14.02
5260	19.512	16.865	5.41	5.06	10.47	10.20	22.61	12.41	28.97	27.10	56.08	17.49	29.97	12.48
5300	19.543	16.899	5.25	5.38	10.63	10.27	22.61	12.34	28.12	28.84	56.96	17.56	29.97	12.41
5320	19.764	16.880	4.99	5.36	10.35	10.15	22.66	12.51	26.73	28.71	55.44	17.44	29.97	12.53
5500	19.301	16.807	4.80	5.47	10.27	10.11	22.56	12.45	25.70	29.31	55.01	17.40	29.97	12.57
5580	19.360	16.884	5.40	6.08	11.48	10.60	22.57	11.97	28.91	32.58	61.49	17.89	29.97	12.08
5700	19.407	16.886	5.82	5.62	11.44	10.59	22.58	11.99	31.19	30.13	61.32	17.88	29.97	12.09
5720	19.273	16.847	5.78	5.22	11.00	10.42	22.55	12.13	30.97	27.99	58.96	17.71	29.97	12.26
5745	-	16.883	5.57	6.10	11.67	10.67	28.71	18.04	29.85	32.66	62.51	17.96	36.00	18.04
5785	-	16.859	5.38	6.08	11.46	10.59	28.71	18.12	28.84	32.58	61.42	17.88	36.00	18.12
5825	-	16.870	5.05	6.12	11.17	10.48	28.71	18.23	27.04	32.81	59.85	17.77	36.00	18.23

		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]	
5180	0.00	-4.71	0.70	10.06	7.29	6.05	13.34	-5.50	0.70	9.82	7.29	5.02	12.31	
5220	0.00	-4.80	0.70	10.06	7.29	5.96	13.25	-5.30	0.70	9.82	7.29	5.22	12.51	
5240	0.00	-4.84	0.70	10.06	7.29	5.92	13.21	-5.16	0.70	9.82	7.29	5.36	12.65	
5260	0.00	-3.43	0.70	10.06	7.29	7.33	14.62	-3.48	0.70	9.82	7.29	7.04	14.33	
5300	0.00	-3.56	0.70	10.06	7.29	7.20	14.49	-3.21	0.70	9.82	7.29	7.31	14.60	
5320	0.00	-3.77	0.70	10.05	7.29	6.98	14.27	-3.23	0.70	9.82	7.29	7.29	14.58	
5500	0.00	-4.03	0.80	10.04	7.29	6.81	14.10	-3.24	0.80	9.82	7.29	7.38	14.67	
5580	0.00	-3.54	0.80	10.06	7.29	7.32	14.61	-2.79	0.80	9.83	7.29	7.84	15.13	
5700	0.00	-3.23	0.80	10.08	7.29	7.65	14.94	-3.14	0.80	9.84	7.29	7.50	14.79	
5720	0.00	-3.26	0.80	10.08	7.29	7.62	14.91	-3.46	0.80	9.84	7.29	7.18	14.47	
5745	0.00	-3.43	0.80	10.09	7.29	7.46	14.75	-2.80	0.80	9.85	7.29	7.85	15.14	
5785	0.00	-3.58	0.80	10.09	7.29	7.31	14.60	-2.81	0.80	9.85	7.29	7.84	15.13	
5825	0.00	-3.87	0.80	10.10	7.29	7.03	14.32	-2.78	0.80	9.85	7.29	7.87	15.16	

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 worst antenna gain was applied for e.i.r.p.

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. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 14, 2020
Temperature / Humidity 23 deg. C / 34 % RH
Engineer Yuta Moriya
Mode Tx 11a (Low Power Setting)

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]			
5260	19.512	16.865	3.69	3.44	7.13	8.53	22.61	14.08	19.77	18.45	38.22	15.82	29.97	14.15
5300	19.543	16.899	3.50	3.55	7.05	8.48	22.61	14.13	18.75	19.01	37.76	15.77	29.97	14.20
5320	19.764	16.880	3.37	3.53	6.90	8.39	22.66	14.27	18.03	18.92	36.95	15.68	29.97	14.29
5500	19.301	16.807	3.48	3.57	7.05	8.48	22.56	14.08	18.62	19.14	37.76	15.77	29.97	14.20
5580	19.360	16.884	4.10	3.91	8.01	9.04	22.57	13.53	21.98	20.94	42.92	16.33	29.97	13.64
5700	19.407	16.886	4.02	3.48	7.50	8.75	22.58	13.83	21.53	18.66	40.19	16.04	29.97	13.93
5720	19.273	16.847	3.94	3.40	7.33	8.65	22.55	13.90	21.09	18.20	39.28	15.94	29.97	14.03
5745	-	16.883	1.65	1.57	3.22	5.08	28.71	23.63	8.85	8.39	17.25	12.37	36.00	23.63
5785	-	16.859	1.55	1.58	3.12	4.95	28.71	23.76	8.28	8.45	16.73	12.24	36.00	23.76
5825	-	16.870	1.45	1.61	3.06	4.86	28.71	23.85	7.78	8.63	16.41	12.15	36.00	23.85

Antenna 1							Antenna 3						
Tested Frequency [MHz]	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]
5260	0.00	-5.09	0.70	10.06	7.29	5.67	12.96	-5.15	0.70	9.82	7.29	5.37	12.66
5300	0.00	-5.32	0.70	10.06	7.29	5.44	12.73	-5.02	0.70	9.82	7.29	5.50	12.79
5320	0.00	-5.48	0.70	10.05	7.29	5.27	12.56	-5.04	0.70	9.82	7.29	5.48	12.77
5500	0.00	-5.43	0.80	10.04	7.29	5.41	12.70	-5.09	0.80	9.82	7.29	5.53	12.82
5580	0.00	-4.73	0.80	10.06	7.29	6.13	13.42	-4.71	0.80	9.83	7.29	5.92	13.21
5700	0.00	-4.84	0.80	10.08	7.29	6.04	13.33	-5.22	0.80	9.84	7.29	5.42	12.71
5720	0.00	-4.93	0.80	10.08	7.29	5.95	13.24	-5.33	0.80	9.84	7.29	5.31	12.60
5745	0.00	-8.71	0.80	10.09	7.29	2.18	9.47	-8.70	0.80	9.85	7.29	1.95	9.24
5785	0.00	-9.00	0.80	10.09	7.29	1.89	9.18	-8.67	0.80	9.85	7.29	1.98	9.27
5825	0.00	-9.28	0.80	10.10	7.29	1.62	8.91	-8.58	0.80	9.85	7.29	2.07	9.36

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 worst antenna gain was applied for e.i.r.p.

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 18, 2019
Temperature / Humidity 24 deg. C / 42 % RH
Engineer Akihiko Maeda
Mode Tx 11n-20 (High Power Setting)

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	-	17.814	4.11	3.20	7.31	8.64	22.68	14.04	22.03	17.14	39.17	15.93	29.97	14.04
5220	-	17.883	4.03	3.36	7.38	8.68	22.68	14.00	21.58	17.99	39.57	15.97	29.97	14.00
5240	-	17.859	3.99	3.52	7.51	8.75	22.68	13.93	21.38	18.84	40.22	16.04	29.97	13.93
5260	19.599	17.785	5.62	5.22	10.85	10.35	22.63	12.28	30.13	27.99	58.12	17.64	29.97	12.33
5300	19.863	17.850	5.40	5.56	10.95	10.40	22.68	12.28	28.91	29.79	58.69	17.69	29.97	12.28
5320	19.859	17.891	5.21	5.61	10.82	10.34	22.68	12.34	27.93	30.06	57.99	17.63	29.97	12.34
5500	19.622	17.816	4.88	5.56	10.43	10.18	22.63	12.45	26.12	29.79	55.91	17.47	29.97	12.50
5580	20.051	17.809	5.50	6.12	11.62	10.65	22.68	12.03	29.44	32.81	62.25	17.94	29.97	12.03
5700	20.113	17.820	5.97	5.69	11.66	10.67	22.68	12.01	31.99	30.48	62.47	17.96	29.97	12.01
5720	19.797	17.851	6.07	5.51	11.58	10.64	22.67	12.03	32.51	29.51	62.02	17.93	29.97	12.04
5745	-	17.840	5.58	6.17	11.75	10.70	28.71	18.01	29.92	33.04	62.96	17.99	36.00	18.01
5785	-	17.880	5.56	6.17	11.72	10.69	28.71	18.02	29.79	33.04	62.82	17.98	36.00	18.02
5825	-	17.820	5.31	6.31	11.62	10.65	28.71	18.06	28.44	33.81	62.25	17.94	36.00	18.06

		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	-4.62	0.70	10.06	7.29	6.14	13.43	-5.47	0.70	9.82	7.29	5.05	12.34
5220	0.00	-4.71	0.70	10.06	7.29	6.05	13.34	-5.26	0.70	9.82	7.29	5.26	12.55
5240	0.00	-4.75	0.70	10.06	7.29	6.01	13.30	-5.06	0.70	9.82	7.29	5.46	12.75
5260	0.00	-3.26	0.70	10.06	7.29	7.50	14.79	-3.34	0.70	9.82	7.29	7.18	14.47
5300	0.00	-3.44	0.70	10.06	7.29	7.32	14.61	-3.07	0.70	9.82	7.29	7.45	14.74
5320	0.00	-3.58	0.70	10.05	7.29	7.17	14.46	-3.03	0.70	9.82	7.29	7.49	14.78
5500	0.00	-3.96	0.80	10.04	7.29	6.88	14.17	-3.17	0.80	9.82	7.29	7.45	14.74
5580	0.00	-3.46	0.80	10.06	7.29	7.40	14.69	-2.76	0.80	9.83	7.29	7.87	15.16
5700	0.00	-3.12	0.80	10.08	7.29	7.76	15.05	-3.09	0.80	9.84	7.29	7.55	14.84
5720	0.00	-3.05	0.80	10.08	7.29	7.83	15.12	-3.23	0.80	9.84	7.29	7.41	14.70
5745	0.00	-3.42	0.80	10.09	7.29	7.47	14.76	-2.75	0.80	9.85	7.29	7.90	15.19
5785	0.00	-3.44	0.80	10.09	7.29	7.45	14.74	-2.75	0.80	9.85	7.29	7.90	15.19
5825	0.00	-3.65	0.80	10.10	7.29	7.25	14.54	-2.65	0.80	9.85	7.29	8.00	15.29

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 14, 2020
Temperature / Humidity 23 deg. C / 34 % RH
Engineer Yuta Moriya
Mode Tx 11n-20 (Low Power Setting)

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]			
5260	19.599	17.785	3.55	3.32	6.87	8.37	22.63	14.26	19.01	17.78	36.79	15.66	29.97	14.31
5300	19.863	17.850	3.42	3.52	6.94	8.41	22.68	14.27	18.32	18.84	37.16	15.70	29.97	14.27
5320	19.859	17.891	3.32	3.52	6.83	8.35	22.68	14.33	17.78	18.84	36.62	15.64	29.97	14.33
5500	19.622	17.816	3.40	3.56	6.97	8.43	22.63	14.20	18.24	19.10	37.34	15.72	29.97	14.25
5580	20.051	17.809	3.68	3.82	7.50	8.75	22.68	13.93	19.72	20.46	40.19	16.04	29.97	13.93
5700	20.113	17.820	3.81	3.24	7.05	8.48	22.68	14.20	20.42	17.38	37.80	15.77	29.97	14.20
5720	19.797	17.851	3.55	3.25	6.80	8.32	22.67	14.35	19.01	17.42	36.43	15.61	29.97	14.36
5745	-	17.840	1.63	1.43	3.06	4.86	28.71	23.85	8.75	7.66	16.41	12.15	36.00	23.85
5785	-	17.880	1.41	1.43	2.84	4.54	28.71	24.17	7.55	7.67	15.22	11.83	36.00	24.17
5825	-	17.820	1.32	1.48	2.79	4.46	28.71	24.25	7.05	7.91	14.95	11.75	36.00	24.25

		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]
5260	0.00	-5.26	0.70	10.06	7.29	5.50	12.79	-5.31	0.70	9.82	7.29	5.21	12.50
5300	0.00	-5.42	0.70	10.06	7.29	5.34	12.63	-5.06	0.70	9.82	7.29	5.46	12.75
5320	0.00	-5.54	0.70	10.05	7.29	5.21	12.50	-5.06	0.70	9.82	7.29	5.46	12.75
5500	0.00	-5.52	0.80	10.04	7.29	5.32	12.61	-5.10	0.80	9.82	7.29	5.52	12.81
5580	0.00	-5.20	0.80	10.06	7.29	5.66	12.95	-4.81	0.80	9.83	7.29	5.82	13.11
5700	0.00	-5.07	0.80	10.08	7.29	5.81	13.10	-5.53	0.80	9.84	7.29	5.11	12.40
5720	0.00	-5.38	0.80	10.08	7.29	5.50	12.79	-5.52	0.80	9.84	7.29	5.12	12.41
5745	0.00	-8.76	0.80	10.09	7.29	2.13	9.42	-9.10	0.80	9.85	7.29	1.55	8.84
5785	0.00	-9.40	0.80	10.09	7.29	1.49	8.78	-9.09	0.80	9.85	7.29	1.56	8.85
5825	0.00	-9.71	0.80	10.10	7.29	1.19	8.48	-8.96	0.80	9.85	7.29	1.69	8.98

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 18, 2019
Temperature / Humidity 24 deg. C / 42 % RH
Engineer Akihiko Maeda
Mode Tx 11ac-20 (High Power Setting)

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	-	17.891	4.04	3.20	7.24	8.59	22.68	14.09	21.63	17.14	38.77	15.88	29.97	14.09
5220	-	17.844	3.98	3.38	7.36	8.67	22.68	14.01	21.33	18.11	39.44	15.96	29.97	14.01
5240	-	17.844	3.84	3.44	7.27	8.62	22.68	14.06	20.56	18.41	38.97	15.91	29.97	14.06
5260	20.055	17.852	5.58	5.07	10.65	10.28	22.68	12.40	29.92	27.16	57.09	17.57	29.97	12.40
5300	19.827	17.887	5.06	5.21	10.27	10.12	22.68	12.56	27.10	27.93	55.03	17.41	29.97	12.56
5320	20.034	17.833	5.12	5.47	10.59	10.25	22.68	12.43	27.42	29.31	56.72	17.54	29.97	12.43
5500	19.655	17.861	4.88	5.56	10.43	10.18	22.64	12.46	26.12	29.79	55.91	17.47	29.97	12.50
5580	19.709	17.821	5.36	6.21	11.57	10.63	22.65	12.02	28.71	33.27	61.97	17.92	29.97	12.05
5700	19.669	17.866	5.94	5.66	11.61	10.65	22.64	11.99	31.84	30.34	62.18	17.94	29.97	12.03
5720	19.765	17.873	6.00	5.45	11.44	10.59	22.66	12.07	32.14	29.17	61.31	17.88	29.97	12.09
5745	-	17.831	5.37	5.89	11.26	10.51	28.71	18.20	28.77	31.55	60.32	17.80	36.00	18.20
5785	-	17.835	5.35	6.15	11.50	10.61	28.71	18.10	28.64	32.96	61.60	17.90	36.00	18.10
5825	-	17.826	5.07	6.17	11.24	10.51	28.71	18.20	27.16	33.04	60.20	17.80	36.00	18.20

		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	-4.70	0.70	10.06	7.29	6.06	13.35	-5.47	0.70	9.82	7.29	5.05	12.34
5220	0.00	-4.76	0.70	10.06	7.29	6.00	13.29	-5.23	0.70	9.82	7.29	5.29	12.58
5240	0.00	-4.92	0.70	10.06	7.29	5.84	13.13	-5.16	0.70	9.82	7.29	5.36	12.65
5260	0.00	-3.29	0.70	10.06	7.29	7.47	14.76	-3.47	0.70	9.82	7.29	7.05	14.34
5300	0.00	-3.72	0.70	10.06	7.29	7.04	14.33	-3.35	0.70	9.82	7.29	7.17	14.46
5320	0.00	-3.66	0.70	10.05	7.29	7.09	14.38	-3.14	0.70	9.82	7.29	7.38	14.67
5500	0.00	-3.96	0.80	10.04	7.29	6.88	14.17	-3.17	0.80	9.82	7.29	7.45	14.74
5580	0.00	-3.57	0.80	10.06	7.29	7.29	14.58	-2.70	0.80	9.83	7.29	7.93	15.22
5700	0.00	-3.14	0.80	10.08	7.29	7.74	15.03	-3.11	0.80	9.84	7.29	7.53	14.82
5720	0.00	-3.10	0.80	10.08	7.29	7.78	15.07	-3.28	0.80	9.84	7.29	7.36	14.65
5745	0.00	-3.59	0.80	10.09	7.29	7.30	14.59	-2.95	0.80	9.85	7.29	7.70	14.99
5785	0.00	-3.61	0.80	10.09	7.29	7.28	14.57	-2.76	0.80	9.85	7.29	7.89	15.18
5825	0.00	-3.85	0.80	10.10	7.29	7.05	14.34	-2.75	0.80	9.85	7.29	7.90	15.19

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 14, 2020
Temperature / Humidity 23 deg. C / 34 % RH
Engineer Yuta Moriya
Mode Tx 11ac-20 (Low Power Setting)

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]
5260	20.055	17.852	3.74	3.44	7.18	8.56	22.68	14.12	20.04	18.41	38.45	15.85	29.97	14.12
5300	19.827	17.887	3.66	3.27	6.94	8.41	22.68	14.27	19.63	17.54	37.17	15.70	29.97	14.27
5320	20.034	17.833	3.43	3.33	6.76	8.30	22.68	14.38	18.37	17.86	36.23	15.59	29.97	14.38
5500	19.655	17.861	3.26	3.35	6.61	8.20	22.64	14.44	17.46	17.95	35.41	15.49	29.97	14.48
5580	19.709	17.821	3.85	3.56	7.40	8.69	22.65	13.96	20.61	19.05	39.66	15.98	29.97	13.99
5700	19.669	17.866	3.76	3.28	7.04	8.48	22.64	14.16	20.14	17.58	37.72	15.77	29.97	14.20
5720	19.765	17.873	3.65	3.28	6.93	8.41	22.66	14.25	19.54	17.58	37.12	15.70	29.97	14.27
5745	-	17.831	1.53	1.42	2.96	4.71	28.71	24.00	8.22	7.62	15.84	12.00	36.00	24.00
5785	-	17.835	1.42	1.42	2.84	4.54	28.71	24.17	7.62	7.62	15.24	11.83	36.00	24.17
5825	-	17.826	1.27	1.50	2.77	4.43	28.71	24.28	6.82	8.04	14.86	11.72	36.00	24.28

		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]	
5260	0.00	-5.03	0.70	10.06	7.29	5.73	13.02	-5.16	0.70	9.82	7.29	5.36	12.65	
5300	0.00	-5.12	0.70	10.06	7.29	5.64	12.93	-5.37	0.70	9.82	7.29	5.15	12.44	
5320	0.00	-5.40	0.70	10.05	7.29	5.35	12.64	-5.29	0.70	9.82	7.29	5.23	12.52	
5500	0.00	-5.71	0.80	10.04	7.29	5.13	12.42	-5.37	0.80	9.82	7.29	5.25	12.54	
5580	0.00	-5.01	0.80	10.06	7.29	5.85	13.14	-5.12	0.80	9.83	7.29	5.51	12.80	
5700	0.00	-5.13	0.80	10.08	7.29	5.75	13.04	-5.48	0.80	9.84	7.29	5.16	12.45	
5720	0.00	-5.26	0.80	10.08	7.29	5.62	12.91	-5.48	0.80	9.84	7.29	5.16	12.45	
5745	0.00	-9.03	0.80	10.09	7.29	1.86	9.15	-9.12	0.80	9.85	7.29	1.53	8.82	
5785	0.00	-9.36	0.80	10.09	7.29	1.53	8.82	-9.12	0.80	9.85	7.29	1.53	8.82	
5825	0.00	-9.85	0.80	10.10	7.29	1.05	8.34	-8.89	0.80	9.85	7.29	1.76	9.05	

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 18, 2019
Temperature / Humidity 24 deg. C / 42 % RH
Engineer Akihiko Maeda
Mode Tx 11ax-20 (OFDM) (High Power Setting)

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
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	18.851	4.33	3.31	7.64	8.83	22.68	13.85	23.17	17.74	40.92	16.12	29.97	13.85
5220	-	18.843	4.06	3.40	7.46	8.73	22.68	13.95	21.78	18.20	39.97	16.02	29.97	13.95
5240	-	18.853	4.05	3.43	7.47	8.74	22.68	13.94	21.68	18.37	40.04	16.03	29.97	13.94
5260	20.339	18.821	6.27	5.62	11.89	10.75	22.68	11.93	33.57	30.13	63.70	18.04	29.97	11.93
5300	20.547	18.811	5.73	5.69	11.42	10.58	22.68	12.10	30.69	30.48	61.17	17.87	29.97	12.10
5320	20.408	18.852	5.51	5.68	11.18	10.49	22.68	12.19	29.51	30.41	59.92	17.78	29.97	12.19
5500	20.408	18.841	5.15	5.75	10.91	10.38	22.68	12.30	27.61	30.83	58.44	17.67	29.97	12.30
5580	20.417	18.884	5.86	6.46	12.32	10.91	22.68	11.77	31.41	34.59	66.00	18.20	29.97	11.77
5700	20.180	18.869	6.40	5.90	12.30	10.90	22.68	11.78	34.28	31.62	65.90	18.19	29.97	11.78
5720	20.436	18.821	6.43	5.70	12.13	10.84	22.68	11.84	34.43	30.55	64.98	18.13	29.97	11.84
5745	-	18.814	5.96	6.32	12.28	10.89	28.71	17.82	31.92	33.88	65.80	18.18	36.00	17.82
5785	-	18.823	5.74	6.35	12.09	10.83	28.71	17.88	30.76	34.04	64.80	18.12	36.00	17.88
5825	-	18.851	5.53	6.55	12.08	10.82	28.71	17.89	29.65	35.08	64.72	18.11	36.00	17.89

		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	-4.40	0.70	10.06	7.29	6.36	13.65	-5.32	0.70	9.82	7.29	5.20	12.49
5220	0.00	-4.67	0.70	10.06	7.29	6.09	13.38	-5.21	0.70	9.82	7.29	5.31	12.60
5240	0.00	-4.69	0.70	10.06	7.29	6.07	13.36	-5.17	0.70	9.82	7.29	5.35	12.64
5260	0.00	-2.79	0.70	10.06	7.29	7.97	15.26	-3.02	0.70	9.82	7.29	7.50	14.79
5300	0.00	-3.18	0.70	10.06	7.29	7.58	14.87	-2.97	0.70	9.82	7.29	7.55	14.84
5320	0.00	-3.34	0.70	10.05	7.29	7.41	14.70	-2.98	0.70	9.82	7.29	7.54	14.83
5500	0.00	-3.72	0.80	10.04	7.29	7.12	14.41	-3.02	0.80	9.82	7.29	7.60	14.89
5580	0.00	-3.18	0.80	10.06	7.29	7.68	14.97	-2.53	0.80	9.83	7.29	8.10	15.39
5700	0.00	-2.82	0.80	10.08	7.29	8.06	15.35	-2.93	0.80	9.84	7.29	7.71	15.00
5720	0.00	-2.80	0.80	10.08	7.29	8.08	15.37	-3.08	0.80	9.84	7.29	7.56	14.85
5745	0.00	-3.14	0.80	10.09	7.29	7.75	15.04	-2.64	0.80	9.85	7.29	8.01	15.30
5785	0.00	-3.30	0.80	10.09	7.29	7.59	14.88	-2.62	0.80	9.85	7.29	8.03	15.32
5825	0.00	-3.47	0.80	10.10	7.29	7.43	14.72	-2.49	0.80	9.85	7.29	8.16	15.45

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 14, 2020
Temperature / Humidity 23 deg. C / 34 % RH
Engineer Yuta Moriya
Mode Tx 11ax-20 (OFDM) (Low Power Setting)

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]			
5260	20.339	18.821	3.71	3.54	7.25	8.60	22.68	14.08	19.86	18.97	38.83	15.89	29.97	14.08
5300	20.547	18.811	3.53	3.59	7.12	8.53	22.68	14.15	18.92	19.23	38.15	15.82	29.97	14.15
5320	20.408	18.852	3.52	3.56	7.09	8.51	22.68	14.17	18.88	19.10	37.98	15.80	29.97	14.17
5500	20.408	18.841	3.71	3.61	7.32	8.65	22.68	14.03	19.86	19.36	39.23	15.94	29.97	14.03
5580	20.417	18.884	4.48	4.10	8.58	9.33	22.68	13.35	23.99	21.98	45.97	16.62	29.97	13.35
5700	20.180	18.869	4.12	3.55	7.67	8.85	22.68	13.83	22.08	19.01	41.09	16.14	29.97	13.83
5720	20.436	18.821	3.78	3.63	7.41	8.70	22.68	13.98	20.23	19.45	39.68	15.99	29.97	13.98
5745	-	18.814	1.81	1.79	3.60	5.57	28.71	23.14	9.71	9.59	19.30	12.86	36.00	23.14
5785	-	18.823	1.81	1.79	3.59	5.56	28.71	23.15	9.68	9.57	19.25	12.85	36.00	23.15
5825	-	18.851	1.80	1.76	3.56	5.52	28.71	23.19	9.64	9.44	19.08	12.81	36.00	23.19

Antenna 1								Antenna 3					
Tested Frequency [MHz]	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]
5260	0.00	-5.07	0.70	10.06	7.29	5.69	12.98	-5.03	0.70	9.82	7.29	5.49	12.78
5300	0.00	-5.28	0.70	10.06	7.29	5.48	12.77	-4.97	0.70	9.82	7.29	5.55	12.84
5320	0.00	-5.28	0.70	10.05	7.29	5.47	12.76	-5.00	0.70	9.82	7.29	5.52	12.81
5500	0.00	-5.15	0.80	10.04	7.29	5.69	12.98	-5.04	0.80	9.82	7.29	5.58	12.87
5580	0.00	-4.35	0.80	10.06	7.29	6.51	13.80	-4.50	0.80	9.83	7.29	6.13	13.42
5700	0.00	-4.73	0.80	10.08	7.29	6.15	13.44	-5.14	0.80	9.84	7.29	5.50	12.79
5720	0.00	-5.11	0.80	10.08	7.29	5.77	13.06	-5.04	0.80	9.84	7.29	5.60	12.89
5745	0.00	-8.31	0.80	10.09	7.29	2.58	9.87	-8.12	0.80	9.85	7.29	2.53	9.82
5785	0.00	-8.32	0.80	10.09	7.29	2.57	9.86	-8.13	0.80	9.85	7.29	2.52	9.81
5825	0.00	-8.35	0.80	10.10	7.29	2.55	9.84	-8.19	0.80	9.85	7.29	2.46	9.75

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-20 (26-tone RU) (High Power Setting)

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]			
5180	0	-	18.311	0.41	0.28	0.69	-1.59	22.68	24.27	2.19	1.52	3.72	5.70	29.97	24.27
	4	-	17.069	0.40	0.29	0.69	-1.61	22.68	24.29	2.15	1.55	3.70	5.68	29.97	24.29
	8	-	18.399	0.39	0.28	0.68	-1.68	22.68	24.36	2.11	1.52	3.64	5.61	29.97	24.36
5220	0	-	18.273	0.42	0.30	0.72	-1.41	22.68	24.09	2.26	1.61	3.88	5.88	29.97	24.09
	4	-	17.030	0.42	0.31	0.73	-1.35	22.68	24.03	2.26	1.66	3.93	5.94	29.97	24.03
	8	-	18.382	0.40	0.30	0.70	-1.53	22.68	24.21	2.14	1.63	3.77	5.76	29.97	24.21
5240	0	-	18.285	0.40	0.31	0.71	-1.48	22.68	24.16	2.13	1.67	3.81	5.81	29.97	24.16
	4	-	17.039	0.40	0.32	0.72	-1.44	22.68	24.12	2.13	1.71	3.84	5.85	29.97	24.12
	8	-	18.353	0.39	0.31	0.70	-1.54	22.68	24.22	2.09	1.66	3.76	5.75	29.97	24.22
5260	0	19.227	18.268	0.56	0.46	1.02	0.09	22.54	22.45	3.02	2.45	5.47	7.38	29.97	22.59
	4	18.235	16.998	0.58	0.46	1.04	0.16	22.31	22.15	3.10	2.47	5.56	7.45	29.97	22.52
	8	19.389	18.398	0.54	0.46	1.00	0.00	22.58	22.58	2.90	2.45	5.35	7.29	29.97	22.68
5300	0	19.295	18.294	0.50	0.46	0.96	-0.16	22.56	22.72	2.69	2.48	5.17	7.13	29.97	22.84
	4	18.242	17.050	0.52	0.48	1.00	0.00	22.32	22.32	2.81	2.55	5.36	7.29	29.97	22.68
	8	19.414	18.357	0.52	0.46	0.97	-0.12	22.59	22.71	2.76	2.45	5.22	7.17	29.97	22.80
5320	0	19.282	18.229	0.53	0.47	1.00	0.00	22.56	22.56	2.83	2.52	5.35	7.29	29.97	22.68
	4	18.187	16.985	0.53	0.48	1.00	0.02	22.30	22.28	2.83	2.55	5.38	7.31	29.97	22.66
	8	19.404	18.382	0.49	0.46	0.95	-0.21	22.58	22.79	2.63	2.47	5.10	7.08	29.97	22.89

Antenna 1														
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	0	0.00	-29.66	5.93	19.85	7.29	-3.88	3.41	-26.09	0.70	19.93	7.29	-5.46	1.83
	4	0.00	-29.74	5.93	19.85	7.29	-3.96	3.33	-26.02	0.70	19.93	7.29	-5.39	1.90
	8	0.00	-29.82	5.93	19.85	7.29	-4.04	3.25	-26.09	0.70	19.93	7.29	-5.46	1.83
5220	0	0.00	-29.50	5.91	19.85	7.29	-3.74	3.55	-25.85	0.70	19.93	7.29	-5.22	2.07
	4	0.00	-29.50	5.91	19.85	7.29	-3.74	3.55	-25.71	0.70	19.93	7.29	-5.08	2.21
	8	0.00	-29.74	5.91	19.85	7.29	-3.98	3.31	-25.81	0.70	19.93	7.29	-5.18	2.11
5240	0	0.00	-29.74	5.89	19.85	7.29	-4.00	3.29	-25.68	0.70	19.93	7.29	-5.05	2.24
	4	0.00	-29.74	5.89	19.85	7.29	-4.00	3.29	-25.59	0.70	19.93	7.29	-4.96	2.33
	8	0.00	-29.82	5.89	19.85	7.29	-4.08	3.21	-25.71	0.70	19.93	7.29	-5.08	2.21
5260	0	0.00	-28.23	5.89	19.85	7.29	-2.49	4.80	-24.02	0.70	19.93	7.29	-3.39	3.90
	4	0.00	-28.12	5.89	19.85	7.29	-2.38	4.91	-24.00	0.70	19.93	7.29	-3.37	3.92
	8	0.00	-28.41	5.89	19.85	7.29	-2.67	4.62	-24.02	0.70	19.93	7.29	-3.39	3.90
5300	0	0.00	-28.72	5.86	19.86	7.29	-3.00	4.29	-23.97	0.70	19.93	7.29	-3.34	3.95
	4	0.00	-28.53	5.86	19.86	7.29	-2.81	4.48	-23.85	0.70	19.93	7.29	-3.22	4.07
	8	0.00	-28.60	5.86	19.86	7.29	-2.88	4.41	-24.02	0.70	19.93	7.29	-3.39	3.90
5320	0	0.00	-28.47	5.84	19.86	7.29	-2.77	4.52	-23.91	0.70	19.94	7.29	-3.27	4.02
	4	0.00	-28.47	5.84	19.86	7.29	-2.77	4.52	-23.87	0.70	19.94	7.29	-3.23	4.06
	8	0.00	-28.79	5.84	19.86	7.29	-3.09	4.20	-24.00	0.70	19.94	7.29	-3.36	3.93

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-20 (26-tone RU) (High Power Setting)

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]
5500	0	19.303	18.280	0.44	0.46	0.90	-0.46	22.56	23.02	2.37	2.45	4.81	6.83	29.97	23.14	
	4	18.345	17.107	0.45	0.47	0.92	-0.35	22.34	22.69	2.41	2.54	4.95	6.94	29.97	23.03	
	8	19.426	18.391	0.45	0.47	0.92	-0.36	22.59	22.95	2.41	2.52	4.93	6.93	29.97	23.04	
5580	0	19.268	18.266	0.56	0.54	1.10	0.42	22.55	22.13	3.01	2.90	5.90	7.71	29.97	22.26	
	4	18.267	16.998	0.58	0.54	1.12	0.51	22.32	21.81	3.13	2.90	6.02	7.80	29.97	22.17	
	8	19.395	18.367	0.55	0.53	1.08	0.33	22.58	22.25	2.96	2.82	5.78	7.62	29.97	22.35	
5700	0	19.284	18.269	0.58	0.52	1.10	0.41	22.56	22.15	3.08	2.81	5.89	7.70	29.97	22.27	
	4	18.275	17.020	0.57	0.50	1.07	0.28	22.32	22.04	3.04	2.68	5.72	7.57	29.97	22.40	
	8	19.409	18.378	0.55	0.49	1.04	0.17	22.59	22.42	2.96	2.61	5.58	7.46	29.97	22.51	
5720	0	19.342	18.300	0.57	0.50	1.07	0.29	22.57	22.28	3.04	2.69	5.73	7.58	29.97	22.39	
	4	18.303	17.006	0.60	0.51	1.11	0.44	22.33	21.89	3.21	2.72	5.92	7.73	29.97	22.24	
	8	19.433	18.392	0.56	0.49	1.05	0.21	22.59	22.38	3.01	2.61	5.62	7.50	29.97	22.47	
5745	0	-	18.243	0.64	0.48	1.12	0.48	28.71	28.23	3.44	2.55	5.99	7.77	36.00	28.23	
	4	-	17.041	0.62	0.49	1.10	0.43	28.71	28.28	3.32	2.60	5.92	7.72	36.00	28.28	
	8	-	18.365	0.58	0.47	1.05	0.22	28.71	28.49	3.12	2.51	5.63	7.51	36.00	28.49	
5785	0	-	18.241	0.65	0.49	1.14	0.56	28.71	28.15	3.47	2.62	6.09	7.85	36.00	28.15	
	4	-	17.043	0.62	0.49	1.11	0.44	28.71	28.27	3.31	2.62	5.94	7.73	36.00	28.27	
	8	-	18.374	0.54	0.47	1.02	0.07	28.71	28.64	2.91	2.54	5.45	7.36	36.00	28.64	
5825	0	-	18.215	0.57	0.49	1.06	0.25	28.71	28.46	3.08	2.60	5.68	7.54	36.00	28.46	
	4	-	17.012	0.59	0.48	1.07	0.29	28.71	28.42	3.16	2.58	5.73	7.58	36.00	28.42	
	8	-	18.361	0.53	0.47	1.00	0.00	28.71	28.71	2.84	2.52	5.36	7.29	36.00	28.71	

			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]
5500	0	0.00	-29.28	5.84	19.89	7.29	-3.55	3.74	-24.15	0.80	19.95	7.29	-3.40	3.89
	4	0.00	-29.20	5.84	19.89	7.29	-3.47	3.82	-24.00	0.80	19.95	7.29	-3.25	4.04
	8	0.00	-29.20	5.84	19.89	7.29	-3.47	3.82	-24.02	0.80	19.95	7.29	-3.27	4.02
5580	0	0.00	-28.23	5.83	19.89	7.29	-2.51	4.78	-23.42	0.80	19.95	7.29	-2.67	4.62
	4	0.00	-28.06	5.83	19.89	7.29	-2.34	4.95	-23.42	0.80	19.95	7.29	-2.67	4.62
	8	0.00	-28.29	5.83	19.89	7.29	-2.57	4.72	-23.54	0.80	19.95	7.29	-2.79	4.50
5700	0	0.00	-28.12	5.84	19.88	7.29	-2.40	4.89	-23.56	0.80	19.95	7.29	-2.81	4.48
	4	0.00	-28.18	5.84	19.88	7.29	-2.46	4.83	-23.76	0.80	19.95	7.29	-3.01	4.28
	8	0.00	-28.29	5.84	19.88	7.29	-2.57	4.72	-23.87	0.80	19.95	7.29	-3.12	4.17
5720	0	0.00	-28.18	5.84	19.88	7.29	-2.46	4.83	-23.74	0.80	19.95	7.29	-2.99	4.30
	4	0.00	-27.95	5.84	19.88	7.29	-2.23	5.06	-23.70	0.80	19.95	7.29	-2.95	4.34
	8	0.00	-28.23	5.84	19.88	7.29	-2.51	4.78	-23.87	0.80	19.95	7.29	-3.12	4.17
5745	0	0.00	-27.64	5.83	19.88	7.29	-1.93	5.36	-23.97	0.80	19.95	7.29	-3.22	4.07
	4	0.00	-27.79	5.83	19.88	7.29	-2.08	5.21	-23.89	0.80	19.95	7.29	-3.14	4.15
	8	0.00	-28.06	5.83	19.88	7.29	-2.35	4.94	-24.04	0.80	19.95	7.29	-3.29	4.00
5785	0	0.00	-27.59	5.83	19.87	7.29	-1.89	5.40	-23.85	0.80	19.95	7.29	-3.10	4.19
	4	0.00	-27.79	5.83	19.87	7.29	-2.09	5.20	-23.85	0.80	19.95	7.29	-3.10	4.19
	8	0.00	-28.35	5.83	19.87	7.29	-2.65	4.64	-24.00	0.80	19.95	7.29	-3.25	4.04
5825	0	0.00	-28.12	5.84	19.87	7.29	-2.41	4.88	-23.89	0.80	19.95	7.29	-3.14	4.15
	4	0.00	-28.01	5.84	19.87	7.29	-2.30	4.99	-23.93	0.80	19.95	7.29	-3.18	4.11
	8	0.00	-28.47	5.84	19.87	7.29	-2.76	4.53	-24.02	0.80	19.95	7.29	-3.27	4.02

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 worst antenna gain was applied for e.i.r.p.
The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 18, 2020
Temperature / Humidity 23 deg. C / 54 % RH
Engineer Yuta Moriya
Mode Tx 11ax-20 (26-tone RU) (Low Power Setting)

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]
5260	0	19.227	18.268	0.39	0.30	0.69	-1.58	22.54	24.12	2.09	1.63	3.72	5.71	29.97	24.26
	4	18.235	16.998	0.42	0.33	0.75	-1.23	22.31	23.54	2.26	1.77	4.03	6.06	29.97	23.91
	8	19.389	18.398	0.40	0.33	0.73	-1.35	22.58	23.93	2.13	1.79	3.93	5.94	29.97	24.03
5300	0	19.295	18.294	0.40	0.34	0.73	-1.36	22.56	23.92	2.12	1.80	3.92	5.93	29.97	24.04
	4	18.242	17.050	0.38	0.34	0.71	-1.46	22.32	23.78	2.01	1.82	3.83	5.83	29.97	24.14
	8	19.414	18.357	0.39	0.33	0.72	-1.41	22.59	24.00	2.08	1.79	3.87	5.88	29.97	24.09
5320	0	19.282	18.229	0.41	0.35	0.75	-1.23	22.56	23.79	2.18	1.86	4.04	6.06	29.97	23.91
	4	18.187	16.985	0.43	0.35	0.78	-1.10	22.30	23.40	2.30	1.86	4.16	6.19	29.97	23.78
	8	19.404	18.382	0.41	0.34	0.75	-1.24	22.58	23.82	2.19	1.84	4.03	6.05	29.97	23.92

			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]
5260	0	0.00	-29.77	5.89	19.80	7.29	-4.08	3.21	-25.84	0.70	19.97	7.29	-5.17	2.12
	4	0.00	-29.43	5.89	19.80	7.29	-3.74	3.55	-25.48	0.70	19.97	7.29	-4.81	2.48
	8	0.00	-29.69	5.89	19.80	7.29	-4.00	3.29	-25.42	0.70	19.97	7.29	-4.75	2.54
5300	0	0.00	-29.69	5.86	19.80	7.29	-4.03	3.26	-25.40	0.70	19.97	7.29	-4.73	2.56
	4	0.00	-29.91	5.86	19.80	7.29	-4.25	3.04	-25.37	0.70	19.97	7.29	-4.70	2.59
	8	0.00	-29.77	5.86	19.80	7.29	-4.11	3.18	-25.43	0.70	19.97	7.29	-4.76	2.53
5320	0	0.00	-29.55	5.84	19.80	7.29	-3.91	3.38	-25.25	0.70	19.96	7.29	-4.59	2.70
	4	0.00	-29.32	5.84	19.80	7.29	-3.68	3.61	-25.25	0.70	19.96	7.29	-4.59	2.70
	8	0.00	-29.52	5.84	19.80	7.29	-3.88	3.41	-25.31	0.70	19.96	7.29	-4.65	2.64

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 18, 2020 May 20, 2020
Temperature / Humidity 23 deg. C / 54 % RH 22 deg. C / 53 % RH
Engineer Yuta Moriya Takafumi Noguchi
Mode Tx 11ax-20 (26-tone RU) (Low Power Setting)

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	0	19.303	18.280	0.32	0.37	0.68	-1.64	22.56	24.20	1.71	1.96	3.67	5.65	29.97	24.32
	4	18.345	17.107	0.32	0.38	0.70	-1.55	22.34	23.89	1.71	2.04	3.75	5.74	29.97	24.23
	8	19.426	18.391	0.32	0.38	0.70	-1.56	22.59	24.15	1.71	2.03	3.74	5.73	29.97	24.24
5580	0	19.268	18.266	0.42	0.45	0.88	-0.57	22.55	23.12	2.26	2.44	4.70	6.72	29.97	23.25
	4	18.267	16.998	0.42	0.44	0.87	-0.62	22.32	22.94	2.27	2.37	4.64	6.67	29.97	23.30
	8	19.395	18.367	0.42	0.43	0.85	-0.68	22.58	23.26	2.26	2.32	4.58	6.61	29.97	23.36
5700	0	19.284	18.269	0.41	0.41	0.82	-0.86	22.56	23.42	2.22	2.17	4.40	6.43	29.97	23.54
	4	18.275	17.020	0.41	0.41	0.82	-0.84	22.32	23.16	2.20	2.22	4.42	6.45	29.97	23.52
	8	19.409	18.378	0.42	0.41	0.82	-0.84	22.59	23.43	2.23	2.18	4.41	6.45	29.97	23.52
5720	0	19.342	18.300	0.44	0.40	0.84	-0.75	22.57	23.32	2.36	2.15	4.51	6.54	29.97	23.43
	4	18.303	17.006	0.43	0.40	0.83	-0.79	22.33	23.12	2.32	2.15	4.47	6.50	29.97	23.47
	8	19.433	18.392	0.40	0.37	0.78	-1.10	22.59	23.69	2.16	2.00	4.16	6.19	29.97	23.78
5745	0	-	18.243	0.19	0.15	0.35	-4.62	28.71	33.33	1.04	0.81	1.85	2.67	36.00	33.33
	4	-	17.041	0.19	0.15	0.34	-4.65	28.71	33.36	1.01	0.83	1.84	2.64	36.00	33.36
	8	-	18.365	0.18	0.16	0.34	-4.73	28.71	33.44	0.97	0.83	1.80	2.56	36.00	33.44
5785	0	-	18.241	0.20	0.17	0.37	-4.37	28.71	33.08	1.07	0.89	1.96	2.92	36.00	33.08
	4	-	17.043	0.19	0.17	0.36	-4.42	28.71	33.13	1.04	0.90	1.94	2.87	36.00	33.13
	8	-	18.374	0.19	0.16	0.36	-4.45	28.71	33.16	1.04	0.88	1.92	2.84	36.00	33.16
5825	0	-	18.215	0.19	0.17	0.35	-4.52	28.71	33.23	1.00	0.89	1.89	2.77	36.00	33.23
	4	-	17.012	0.19	0.17	0.36	-4.41	28.71	33.12	1.04	0.90	1.94	2.88	36.00	33.12
	8	-	18.361	0.19	0.16	0.35	-4.52	28.71	33.23	1.01	0.88	1.89	2.77	36.00	33.23

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	0	0.00	-30.61	5.84	19.80	7.29	-4.97	2.32	-25.10	0.80	19.94	7.29	-4.36	2.93
	4	0.00	-30.61	5.84	19.80	7.29	-4.97	2.32	-24.93	0.80	19.94	7.29	-4.19	3.10
	8	0.00	-30.61	5.84	19.80	7.29	-4.97	2.32	-24.95	0.80	19.94	7.29	-4.21	3.08
5580	0	0.00	-29.45	5.83	19.87	7.29	-3.75	3.54	-24.24	0.80	20.02	7.29	-3.42	3.87
	4	0.00	-29.43	5.83	19.87	7.29	-3.73	3.56	-24.36	0.80	20.02	7.29	-3.54	3.75
	8	0.00	-29.45	5.83	19.87	7.29	-3.75	3.54	-24.46	0.80	20.02	7.29	-3.64	3.65
5700	0	0.00	-29.53	5.84	19.87	7.29	-3.82	3.47	-24.73	0.80	20.01	7.29	-3.92	3.37
	4	0.00	-29.58	5.84	19.87	7.29	-3.87	3.42	-24.64	0.80	20.01	7.29	-3.83	3.46
	8	0.00	-29.52	5.84	19.87	7.29	-3.81	3.48	-24.71	0.80	20.01	7.29	-3.90	3.39
5720	0	0.00	-29.27	5.84	19.87	7.29	-3.56	3.73	-24.78	0.80	20.01	7.29	-3.97	3.32
	4	0.00	-29.35	5.84	19.87	7.29	-3.64	3.65	-24.78	0.80	20.01	7.29	-3.97	3.32
	8	0.00	-29.66	5.84	19.87	7.29	-3.95	3.34	-25.08	0.80	20.01	7.29	-4.27	3.02
5745	0	0.00	-32.83	5.83	19.87	7.29	-7.13	0.16	-28.99	0.80	20.00	7.29	-8.19	-0.90
	4	0.00	-32.95	5.83	19.87	7.29	-7.25	0.04	-28.92	0.80	20.00	7.29	-8.12	-0.83
	8	0.00	-33.13	5.83	19.87	7.29	-7.43	-0.14	-28.88	0.80	20.00	7.29	-8.08	-0.79
5785	0	0.00	-32.67	5.83	19.86	7.29	-6.98	0.31	-28.61	0.80	19.99	7.29	-7.82	-0.53
	4	0.00	-32.81	5.83	19.86	7.29	-7.12	0.17	-28.55	0.80	19.99	7.29	-7.76	-0.47
	8	0.00	-32.79	5.83	19.86	7.29	-7.10	0.19	-28.65	0.80	19.99	7.29	-7.86	-0.57
5825	0	0.00	-32.98	5.84	19.87	7.29	-7.27	0.02	-28.59	0.80	19.98	7.29	-7.81	-0.52
	4	0.00	-32.83	5.84	19.87	7.29	-7.12	0.17	-28.53	0.80	19.98	7.29	-7.75	-0.46
	8	0.00	-32.96	5.84	19.87	7.29	-7.25	0.04	-28.61	0.80	19.98	7.29	-7.83	-0.54

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-20 (52-tone RU) (High Power Setting)

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]				
5180	37	-	18.179	0.80	0.57	1.37	1.37	22.68	21.31		4.27	3.08	7.34	8.66	29.97	21.31	
	38	-	17.051	0.86	0.64	1.50	1.76	22.68	20.92		4.62	3.41	8.04	9.05	29.97	20.92	
	40	-	18.300	0.77	0.58	1.35	1.31	22.68	21.37		4.14	3.10	7.24	8.60	29.97	21.37	
5220	37	-	18.153	0.83	0.62	1.45	1.61	22.68	21.07		4.45	3.31	7.76	8.90	29.97	21.07	
	38	-	17.003	0.89	0.67	1.56	1.94	22.68	20.74		4.76	3.61	8.37	9.23	29.97	20.74	
	40	-	18.278	0.79	0.62	1.41	1.49	22.68	21.19		4.25	3.31	7.56	8.78	29.97	21.19	
5240	37	-	18.197	0.77	0.63	1.40	1.45	22.68	21.23		4.10	3.37	7.47	8.74	29.97	21.23	
	38	-	17.044	0.83	0.68	1.51	1.79	22.68	20.89		4.43	3.66	8.09	9.08	29.97	20.89	
	40	-	18.245	0.77	0.62	1.39	1.42	22.68	21.26		4.10	3.33	7.44	8.71	29.97	21.26	
5260	37	19.461	18.167	1.12	0.92	2.04	3.10	22.60	19.50		6.00	4.93	10.93	10.39	29.97	19.58	
	38	18.392	17.011	1.23	1.01	2.24	3.50	22.35	18.85		6.61	5.40	12.00	10.79	29.97	19.18	
	40	19.578	18.237	1.08	0.90	1.99	2.98	22.62	19.64		5.79	4.84	10.64	10.27	29.97	19.70	
5300	37	19.435	18.200	1.02	0.94	1.96	2.91	22.59	19.68		5.45	5.04	10.48	10.20	29.97	19.77	
	38	18.483	17.007	1.12	1.03	2.15	3.32	22.37	19.05		6.01	5.51	11.52	10.61	29.97	19.36	
	40	19.471	18.218	1.02	0.92	1.95	2.90	22.60	19.70		5.48	4.95	10.44	10.19	29.97	19.78	
5320	37	19.456	18.138	1.04	0.93	1.97	2.94	22.60	19.66		5.58	4.97	10.55	10.23	29.97	19.74	
	38	18.479	16.979	1.15	1.01	2.16	3.34	22.37	19.03		6.14	5.43	11.57	10.63	29.97	19.34	
	40	19.582	18.254	0.99	0.93	1.92	2.82	22.62	19.80		5.30	4.97	10.26	10.11	29.97	19.86	

			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]
5180	37	0.00	-26.77	5.93	19.85	7.29	-0.99	6.30	-23.04	0.70	19.93	7.29	-2.41	4.88
	38	0.00	-26.42	5.93	19.85	7.29	-0.64	6.65	-22.59	0.70	19.93	7.29	-1.96	5.33
	40	0.00	-26.90	5.93	19.85	7.29	-1.12	6.17	-23.01	0.70	19.93	7.29	-2.38	4.91
5220	37	0.00	-26.57	5.91	19.85	7.29	-0.81	6.48	-22.72	0.70	19.93	7.29	-2.09	5.20
	38	0.00	-26.27	5.91	19.85	7.29	-0.51	6.78	-22.35	0.70	19.93	7.29	-1.72	5.57
	40	0.00	-26.77	5.91	19.85	7.29	-1.01	6.28	-22.72	0.70	19.93	7.29	-2.09	5.20
5240	37	0.00	-26.90	5.89	19.85	7.29	-1.16	6.13	-22.64	0.70	19.93	7.29	-2.01	5.28
	38	0.00	-26.57	5.89	19.85	7.29	-0.83	6.46	-22.28	0.70	19.93	7.29	-1.65	5.64
	40	0.00	-26.90	5.89	19.85	7.29	-1.16	6.13	-22.69	0.70	19.93	7.29	-2.06	5.23
5260	37	0.00	-25.25	5.89	19.85	7.29	0.49	7.78	-20.99	0.70	19.93	7.29	-0.36	6.93
	38	0.00	-24.83	5.89	19.85	7.29	0.91	8.20	-20.60	0.70	19.93	7.29	0.03	7.32
	40	0.00	-25.40	5.89	19.85	7.29	0.34	7.63	-21.07	0.70	19.93	7.29	-0.44	6.85
5300	37	0.00	-25.65	5.86	19.86	7.29	0.07	7.36	-20.90	0.70	19.93	7.29	-0.27	7.02
	38	0.00	-25.22	5.86	19.86	7.29	0.50	7.79	-20.51	0.70	19.93	7.29	0.12	7.41
	40	0.00	-25.62	5.86	19.86	7.29	0.10	7.39	-20.97	0.70	19.93	7.29	-0.34	6.95
5320	37	0.00	-25.52	5.84	19.86	7.29	0.18	7.47	-20.97	0.70	19.94	7.29	-0.33	6.96
	38	0.00	-25.11	5.84	19.86	7.29	0.59	7.88	-20.58	0.70	19.94	7.29	0.06	7.35
	40	0.00	-25.75	5.84	19.86	7.29	-0.05	7.24	-20.97	0.70	19.94	7.29	-0.33	6.96

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-20 (52-tone RU) (High Power Setting)

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]	
5500		37 19.346	18.210	0.88	0.92	1.80	2.54	22.57	20.03		4.70	4.92	9.62	9.83	29.97	20.14	
		38 18.411	17.026	0.94	1.02	1.95	2.90	22.36	19.46		5.01	5.45	10.46	10.19	29.97	19.78	
		40 19.454	18.250	0.88	0.94	1.81	2.58	22.60	20.02		4.70	5.01	9.71	9.87	29.97	20.10	
5580		37 19.438	18.188	1.06	1.05	2.11	3.24	22.59	19.35		5.69	5.61	11.30	10.53	29.97	19.44	
		38 18.311	17.012	1.17	1.14	2.30	3.62	22.33	18.71		6.25	6.08	12.33	10.91	29.97	19.06	
		40 19.463	18.227	1.08	1.03	2.10	3.23	22.60	19.37		5.77	5.50	11.26	10.52	29.97	19.45	
5700		37 19.415	18.159	1.08	1.01	2.09	3.20	22.59	19.39		5.81	5.40	11.20	10.49	29.97	19.48	
		38 18.446	17.030	1.17	1.09	2.26	3.54	22.36	18.82		6.28	5.82	12.10	10.83	29.97	19.14	
		40 19.632	18.265	1.05	0.97	2.03	3.07	22.63	19.56		5.65	5.21	10.86	10.36	29.97	19.61	
5720		37 19.373	18.179	1.11	1.00	2.11	3.25	22.58	19.33		5.93	5.38	11.31	10.54	29.97	19.43	
		38 18.473	17.021	1.21	1.07	2.28	3.59	22.37	18.78		6.49	5.75	12.24	10.88	29.97	19.09	
		40 19.574	18.252	1.07	0.96	2.03	3.07	22.62	19.55		5.73	5.13	10.86	10.36	29.97	19.61	
5745		37 -	18.129	1.13	0.92	2.05	3.11	28.71	25.60		6.04	4.92	10.96	10.40	36.00	25.60	
		38 -	17.015	1.20	0.99	2.19	3.40	28.71	25.31		6.44	5.28	11.73	10.69	36.00	25.31	
		40 -	18.206	1.04	0.91	1.95	2.90	28.71	25.81		5.60	4.85	10.45	10.19	36.00	25.81	
5785		37 -	18.126	1.15	0.94	2.08	3.18	28.71	25.53		6.14	5.01	11.15	10.47	36.00	25.53	
		38 -	17.001	1.22	1.02	2.24	3.50	28.71	25.21		6.55	5.46	12.00	10.79	36.00	25.21	
		40 -	18.249	1.00	0.91	1.92	2.83	28.71	25.88		5.38	4.90	10.28	10.12	36.00	25.88	
5825		37 -	18.120	1.06	0.94	1.99	3.00	28.71	25.71		5.68	5.01	10.69	10.29	36.00	25.71	
		38 -	16.978	1.18	1.02	2.20	3.42	28.71	25.29		6.31	5.47	11.78	10.71	36.00	25.29	
		40 -	18.198	1.00	0.93	1.93	2.86	28.71	25.85		5.36	4.99	10.35	10.15	36.00	25.85	

			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]		
5500	37	0.00	-26.30	5.84	19.89	7.29	-0.57	6.72	-21.12	0.80	19.95	7.29	-0.37	6.92		
	38	0.00	-26.02	5.84	19.89	7.29	-0.29	7.00	-20.68	0.80	19.95	7.29	0.07	7.36		
	40	0.00	-26.30	5.84	19.89	7.29	-0.57	6.72	-21.04	0.80	19.95	7.29	-0.29	7.00		
5580	37	0.00	-25.46	5.83	19.89	7.29	0.26	7.55	-20.55	0.80	19.95	7.29	0.20	7.49		
	38	0.00	-25.05	5.83	19.89	7.29	0.67	7.96	-20.20	0.80	19.95	7.29	0.55	7.84		
	40	0.00	-25.40	5.83	19.89	7.29	0.32	7.61	-20.64	0.80	19.95	7.29	0.11	7.40		
5700	37	0.00	-25.37	5.84	19.88	7.29	0.35	7.64	-20.72	0.80	19.95	7.29	0.03	7.32		
	38	0.00	-25.03	5.84	19.88	7.29	0.69	7.98	-20.39	0.80	19.95	7.29	0.36	7.65		
	40	0.00	-25.49	5.84	19.88	7.29	0.23	7.52	-20.87	0.80	19.95	7.29	-0.12	7.17		
5720	37	0.00	-25.28	5.84	19.88	7.29	0.44	7.73	-20.73	0.80	19.95	7.29	0.02	7.31		
	38	0.00	-24.89	5.84	19.88	7.29	0.83	8.12	-20.44	0.80	19.95	7.29	0.31	7.60		
	40	0.00	-25.43	5.84	19.88	7.29	0.29	7.58	-20.94	0.80	19.95	7.29	-0.19	7.10		
5745	37	0.00	-25.19	5.83	19.88	7.29	0.52	7.81	-21.12	0.80	19.95	7.29	-0.37	6.92		
	38	0.00	-24.91	5.83	19.88	7.29	0.80	8.09	-20.81	0.80	19.95	7.29	-0.06	7.23		
	40	0.00	-25.52	5.83	19.88	7.29	0.19	7.48	-21.18	0.80	19.95	7.29	-0.43	6.86		
5785	37	0.00	-25.11	5.83	19.87	7.29	0.59	7.88	-21.04	0.80	19.95	7.29	-0.29	7.00		
	38	0.00	-24.83	5.83	19.87	7.29	0.87	8.16	-20.67	0.80	19.95	7.29	0.08	7.37		
	40	0.00	-25.68	5.83	19.87	7.29	0.02	7.31	-21.14	0.80	19.95	7.29	-0.39	6.90		
5825	37	0.00	-25.46	5.84	19.87	7.29	0.25	7.54	-21.04	0.80	19.95	7.29	-0.29	7.00		
	38	0.00	-25.00	5.84	19.87	7.29	0.71	8.00	-20.66	0.80	19.95	7.29	0.09	7.38		
	40	0.00	-25.71	5.84	19.87	7.29	0.00	7.29	-21.06	0.80	19.95	7.29	-0.31	6.98		

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date May 18, 2020
Temperature / Humidity 23 deg. C / 54 % RH
Engineer Yuta Moriya
Mode Tx 11ax-20 (52-tone RU) (Low Power Setting)

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]			
5260	37	19.461	18.167	0.83	0.66	1.49	1.73	22.60	20.87	4.45	3.53	7.98	9.02	29.97	20.95
	38	18.392	17.011	0.88	0.73	1.61	2.06	22.35	20.29	4.70	3.92	8.62	9.35	29.97	20.62
	40	19.578	18.237	0.80	0.65	1.45	1.62	22.62	21.00	4.30	3.49	7.79	8.91	29.97	21.06
5300	37	19.435	18.200	0.79	0.70	1.49	1.73	22.59	20.86	4.22	3.77	7.98	9.02	29.97	20.95
	38	18.483	17.007	0.83	0.76	1.59	2.01	22.37	20.36	4.47	4.05	8.51	9.30	29.97	20.67
	40	19.471	18.218	0.78	0.69	1.47	1.67	22.60	20.93	4.18	3.69	7.87	8.96	29.97	21.01
5320	37	19.456	18.138	0.81	0.72	1.53	1.84	22.60	20.76	4.36	3.84	8.19	9.13	29.97	20.84
	38	18.479	16.979	0.87	0.77	1.63	2.13	22.37	20.24	4.65	4.11	8.76	9.42	29.97	20.55
	40	19.582	18.254	0.78	0.71	1.50	1.75	22.62	20.87	4.20	3.83	8.03	9.04	29.97	20.93

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]
5260	37	0.00	-26.50	5.89	19.80	7.29	-0.81	6.48	-22.48	0.70	19.97	7.29	-1.81	5.48
	38	0.00	-26.26	5.89	19.80	7.29	-0.57	6.72	-22.03	0.70	19.97	7.29	-1.36	5.93
	40	0.00	-26.65	5.89	19.80	7.29	-0.96	6.33	-22.53	0.70	19.97	7.29	-1.86	5.43
5300	37	0.00	-26.70	5.86	19.80	7.29	-1.04	6.25	-22.20	0.70	19.97	7.29	-1.53	5.76
	38	0.00	-26.45	5.86	19.80	7.29	-0.79	6.50	-21.89	0.70	19.97	7.29	-1.22	6.07
	40	0.00	-26.74	5.86	19.80	7.29	-1.08	6.21	-22.29	0.70	19.97	7.29	-1.62	5.67
5320	37	0.00	-26.54	5.84	19.80	7.29	-0.90	6.39	-22.11	0.70	19.96	7.29	-1.45	5.84
	38	0.00	-26.26	5.84	19.80	7.29	-0.62	6.67	-21.81	0.70	19.96	7.29	-1.15	6.14
	40	0.00	-26.70	5.84	19.80	7.29	-1.06	6.23	-22.12	0.70	19.96	7.29	-1.46	5.83

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date May 18, 2020 May 20, 2020
Temperature / Humidity 23 deg. C / 54 % RH 22 deg. C / 53 % RH
Engineer Yuta Moriya Takafumi Noguchi
Mode Tx 11ax-20 (52-tone RU) (Low Power Setting)

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	19.346	18.210	0.63	0.70	1.33	1.24	22.57	21.33	3.38	3.74	7.12	8.53	29.97	21.44
	38	18.411	17.026	0.67	0.78	1.46	1.63	22.36	20.73	3.61	4.19	7.80	8.92	29.97	21.05
	40	19.454	18.250	0.62	0.74	1.35	1.32	22.60	21.28	3.30	3.95	7.26	8.61	29.97	21.36
5580	37	19.438	18.188	0.83	0.84	1.67	2.23	22.59	20.36	4.46	4.50	8.95	9.52	29.97	20.45
	38	18.311	17.012	0.88	0.92	1.80	2.54	22.33	19.79	4.71	4.91	9.62	9.83	29.97	20.14
	40	19.463	18.227	0.83	0.84	1.67	2.24	22.60	20.36	4.46	4.51	8.96	9.53	29.97	20.44
5700	37	19.415	18.159	0.83	0.80	1.63	2.12	22.59	20.47	4.44	4.30	8.73	9.41	29.97	20.56
	38	18.446	17.030	0.88	0.84	1.72	2.35	22.36	20.01	4.72	4.48	9.20	9.64	29.97	20.33
	40	19.632	18.265	0.80	0.76	1.56	1.94	22.63	20.69	4.31	4.06	8.37	9.23	29.97	20.74
5720	37	19.373	18.179	0.80	0.75	1.55	1.89	22.58	20.69	4.28	4.01	8.28	9.18	29.97	20.79
	38	18.473	17.021	0.87	0.81	1.68	2.26	22.37	20.11	4.68	4.34	9.01	9.55	29.97	20.42
	40	19.574	18.252	0.79	0.72	1.51	1.79	22.62	20.83	4.24	3.86	8.10	9.08	29.97	20.89
5745	37	-	18.129	0.41	0.32	0.72	-1.40	28.71	30.11	2.19	1.69	3.88	5.89	36.00	30.11
	38	-	17.015	0.43	0.34	0.77	-1.14	28.71	29.85	2.31	1.81	4.12	6.15	36.00	29.85
	40	-	18.206	0.39	0.32	0.71	-1.47	28.71	30.18	2.10	1.72	3.82	5.82	36.00	30.18
5785	37	-	18.126	0.41	0.32	0.73	-1.35	28.71	30.06	2.21	1.71	3.93	5.94	36.00	30.06
	38	-	17.001	0.43	0.35	0.78	-1.10	28.71	29.81	2.31	1.85	4.16	6.19	36.00	29.81
	40	-	18.249	0.40	0.31	0.71	-1.48	28.71	30.19	2.13	1.67	3.81	5.81	36.00	30.19
5825	37	-	18.120	0.39	0.33	0.72	-1.42	28.71	30.13	2.10	1.76	3.87	5.87	36.00	30.13
	38	-	16.978	0.42	0.36	0.78	-1.11	28.71	29.82	2.24	1.91	4.15	6.18	36.00	29.82
	40	-	18.198	0.39	0.32	0.72	-1.44	28.71	30.15	2.10	1.74	3.84	5.85	36.00	30.15

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	-27.64	5.84	19.80	7.29	-2.00	5.29	-22.30	0.80	19.94	7.29	-1.56	5.73
	38	0.00	-27.35	5.84	19.80	7.29	-1.71	5.58	-21.81	0.80	19.94	7.29	-1.07	6.22
	40	0.00	-27.74	5.84	19.80	7.29	-2.10	5.19	-22.06	0.80	19.94	7.29	-1.32	5.97
5580	37	0.00	-26.50	5.83	19.87	7.29	-0.80	6.49	-21.58	0.80	20.02	7.29	-0.76	6.53
	38	0.00	-26.26	5.83	19.87	7.29	-0.56	6.73	-21.20	0.80	20.02	7.29	-0.38	6.91
	40	0.00	-26.50	5.83	19.87	7.29	-0.80	6.49	-21.57	0.80	20.02	7.29	-0.75	6.54
5700	37	0.00	-26.53	5.84	19.87	7.29	-0.82	6.47	-21.77	0.80	20.01	7.29	-0.96	6.33
	38	0.00	-26.26	5.84	19.87	7.29	-0.55	6.74	-21.59	0.80	20.01	7.29	-0.78	6.51
	40	0.00	-26.66	5.84	19.87	7.29	-0.95	6.34	-22.01	0.80	20.01	7.29	-1.20	6.09
5720	37	0.00	-26.69	5.84	19.87	7.29	-0.98	6.31	-22.07	0.80	20.01	7.29	-1.26	6.03
	38	0.00	-26.30	5.84	19.87	7.29	-0.59	6.70	-21.73	0.80	20.01	7.29	-0.92	6.37
	40	0.00	-26.73	5.84	19.87	7.29	-1.02	6.27	-22.23	0.80	20.01	7.29	-1.42	5.87
5745	37	0.00	-29.58	5.83	19.87	7.29	-3.88	3.41	-25.81	0.80	20.00	7.29	-5.01	2.28
	38	0.00	-29.35	5.83	19.87	7.29	-3.65	3.64	-25.52	0.80	20.00	7.29	-4.72	2.57
	40	0.00	-29.77	5.83	19.87	7.29	-4.07	3.22	-25.74	0.80	20.00	7.29	-4.94	2.35
5785	37	0.00	-29.53	5.83	19.86	7.29	-3.84	3.45	-25.74	0.80	19.99	7.29	-4.95	2.34
	38	0.00	-29.35	5.83	19.86	7.29	-3.66	3.63	-25.40	0.80	19.99	7.29	-4.61	2.68
	40	0.00	-29.69	5.83	19.86	7.29	-4.00	3.29	-25.84	0.80	19.99	7.29	-5.05	2.24
5825	37	0.00	-29.77	5.84	19.87	7.29	-4.06	3.23	-25.61	0.80	19.98	7.29	-4.83	2.46
	38	0.00	-29.50	5.84	19.87	7.29	-3.79	3.50	-25.25	0.80	19.98	7.29	-4.47	2.82
	40	0.00	-29.77	5.84	19.87	7.29	-4.06	3.23	-25.67	0.80	19.98	7.29	-4.89	2.40

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 worst antenna gain was applied for e.i.r.p.
The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-20 (106-tone RU) (High Power Setting)

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]			
5180	53	-	18.052	1.67	1.23	2.90	4.62	22.68	18.06	8.93	6.61	15.54	11.91	29.97	18.06
	54	-	18.186	1.64	1.23	2.87	4.57	22.68	18.11	8.77	6.59	15.36	11.86	29.97	18.11
5220	53	-	18.042	1.74	1.29	3.04	4.82	22.68	17.86	9.33	6.93	16.27	12.11	29.97	17.86
	54	-	18.179	1.66	1.29	2.95	4.70	22.68	17.98	8.89	6.93	15.83	11.99	29.97	17.98
5240	53	-	18.083	1.58	1.31	2.90	4.62	22.68	18.06	8.49	7.03	15.52	11.91	29.97	18.06
	54	-	18.178	1.58	1.31	2.89	4.60	22.68	18.08	8.45	7.01	15.47	11.89	29.97	18.08
5260	53	19.560	18.052	2.58	2.08	4.66	6.69	22.62	15.93	13.84	11.14	24.98	13.98	29.97	15.99
	54	19.755	18.146	2.50	2.04	4.54	6.57	22.66	16.09	13.40	10.91	24.31	13.86	29.97	16.11
5300	53	19.493	18.079	2.25	2.06	4.30	6.34	22.60	16.26	12.05	11.02	23.07	13.63	29.97	16.34
	54	19.850	18.142	2.24	2.06	4.30	6.33	22.68	16.35	12.02	11.02	23.04	13.62	29.97	16.35
5320	53	19.643	18.031	2.29	2.04	4.33	6.36	22.64	16.28	12.25	10.94	23.19	13.65	29.97	16.32
	54	19.774	18.176	2.19	2.03	4.22	6.25	22.67	16.42	11.72	10.89	22.61	13.54	29.97	16.43

			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]
5180	53	0.00	-23.56	5.93	19.85	7.29	2.22	9.51	-19.72	0.70	19.93	7.29	0.91	8.20
	54	0.00	-23.64	5.93	19.85	7.29	2.14	9.43	-19.73	0.70	19.93	7.29	0.90	8.19
5220	53	0.00	-23.35	5.91	19.85	7.29	2.41	9.70	-19.51	0.70	19.93	7.29	1.12	8.41
	54	0.00	-23.56	5.91	19.85	7.29	2.20	9.49	-19.51	0.70	19.93	7.29	1.12	8.41
5240	53	0.00	-23.74	5.89	19.85	7.29	2.00	9.29	-19.45	0.70	19.93	7.29	1.18	8.47
	54	0.00	-23.76	5.89	19.85	7.29	1.98	9.27	-19.46	0.70	19.93	7.29	1.17	8.46
5260	53	0.00	-21.62	5.89	19.85	7.29	4.12	11.41	-17.45	0.70	19.93	7.29	3.18	10.47
	54	0.00	-21.76	5.89	19.85	7.29	3.98	11.27	-17.54	0.70	19.93	7.29	3.09	10.38
5300	53	0.00	-22.20	5.86	19.86	7.29	3.52	10.81	-17.50	0.70	19.93	7.29	3.13	10.42
	54	0.00	-22.21	5.86	19.86	7.29	3.51	10.80	-17.50	0.70	19.93	7.29	3.13	10.42
5320	53	0.00	-22.11	5.84	19.86	7.29	3.59	10.88	-17.54	0.70	19.94	7.29	3.10	10.39
	54	0.00	-22.30	5.84	19.86	7.29	3.40	10.69	-17.56	0.70	19.94	7.29	3.08	10.37

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-20 (106-tone RU) (High Power Setting)

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]
5500	53	19.718	18.101	2.05	2.04	4.09	6.12	22.65	16.53	10.99	10.94	21.93	13.41	29.97	16.56
	54	19.847	18.194	2.06	2.07	4.13	6.16	22.68	16.52	11.04	11.07	22.11	13.45	29.97	16.52
5580	53	19.863	18.049	2.47	2.26	4.73	6.74	22.68	15.94	13.21	12.11	25.32	14.03	29.97	15.94
	54	19.840	18.175	2.48	2.25	4.74	6.76	22.68	15.92	13.30	12.08	25.38	14.05	29.97	15.92
5700	53	19.488	18.051	2.51	2.15	4.66	6.68	22.60	15.92	13.43	11.53	24.96	13.97	29.97	16.00
	54	19.880	18.172	2.42	2.11	4.53	6.57	22.68	16.11	12.97	11.32	24.30	13.86	29.97	16.11
5720	53	19.588	18.043	2.52	2.10	4.62	6.64	22.62	15.98	13.49	11.25	24.74	13.93	29.97	16.04
	54	19.842	18.190	2.47	2.03	4.50	6.53	22.68	16.15	13.21	10.89	24.10	13.82	29.97	16.15
5745	53	-	18.051	2.64	2.12	4.77	6.78	28.71	21.93	14.16	11.38	25.53	14.07	36.00	21.93
	54	-	18.184	2.44	2.13	4.57	6.60	28.71	22.11	13.06	11.43	24.49	13.89	36.00	22.11
5785	53	-	18.047	2.63	2.20	4.83	6.84	28.71	21.87	14.09	11.78	25.87	14.13	36.00	21.87
	54	-	18.200	2.41	2.16	4.57	6.60	28.71	22.11	12.91	11.56	24.47	13.89	36.00	22.11
5825	53	-	18.007	2.47	2.23	4.71	6.73	28.71	21.98	13.24	11.97	25.21	14.02	36.00	21.98
	54	-	18.185	2.37	2.17	4.54	6.57	28.71	22.14	12.71	11.64	24.35	13.86	36.00	22.14

Antenna 1														
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]
5500	53	0.00	-22.61	5.84	19.89	7.29	3.12	10.41	-17.65	0.80	19.95	7.29	3.10	10.39
	54	0.00	-22.59	5.84	19.89	7.29	3.14	10.43	-17.60	0.80	19.95	7.29	3.15	10.44
5580	53	0.00	-21.80	5.83	19.89	7.29	3.92	11.21	-17.21	0.80	19.95	7.29	3.54	10.83
	54	0.00	-21.77	5.83	19.89	7.29	3.95	11.24	-17.22	0.80	19.95	7.29	3.53	10.82
5700	53	0.00	-21.73	5.84	19.88	7.29	3.99	11.28	-17.42	0.80	19.95	7.29	3.33	10.62
	54	0.00	-21.88	5.84	19.88	7.29	3.84	11.13	-17.50	0.80	19.95	7.29	3.25	10.54
5720	53	0.00	-21.71	5.84	19.88	7.29	4.01	11.30	-17.53	0.80	19.95	7.29	3.22	10.51
	54	0.00	-21.80	5.84	19.88	7.29	3.92	11.21	-17.67	0.80	19.95	7.29	3.08	10.37
5745	53	0.00	-21.49	5.83	19.88	7.29	4.22	11.51	-17.48	0.80	19.95	7.29	3.27	10.56
	54	0.00	-21.84	5.83	19.88	7.29	3.87	11.16	-17.46	0.80	19.95	7.29	3.29	10.58
5785	53	0.00	-21.50	5.83	19.87	7.29	4.20	11.49	-17.33	0.80	19.95	7.29	3.42	10.71
	54	0.00	-21.88	5.83	19.87	7.29	3.82	11.11	-17.41	0.80	19.95	7.29	3.34	10.63
5825	53	0.00	-21.78	5.84	19.87	7.29	3.93	11.22	-17.26	0.80	19.95	7.29	3.49	10.78
	54	0.00	-21.96	5.84	19.87	7.29	3.75	11.04	-17.38	0.80	19.95	7.29	3.37	10.66

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 19, 2020
Temperature / Humidity 25 deg. C / 35 % RH
Engineer Yuta Moriya
Mode Tx 11ax-20 (106-tone RU) (Low Power Setting)

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]
5260	53	19.560	18.052	1.66	1.35	3.01	4.78	22.62	17.84		8.87	7.24	16.12	12.07	29.97	17.90
	54	19.755	18.146	1.71	1.36	3.07	4.87	22.66	17.79		9.14	7.29	16.44	12.16	29.97	17.81
5300	53	19.493	18.079	1.58	1.43	3.01	4.79	22.60	17.81		8.45	7.67	16.13	12.08	29.97	17.89
	54	19.850	18.142	1.58	1.41	3.00	4.77	22.68	17.91		8.49	7.57	16.06	12.06	29.97	17.91
5320	53	19.643	18.031	1.67	1.45	3.12	4.94	22.64	17.70		8.93	7.76	16.70	12.23	29.97	17.74
	54	19.774	18.176	1.56	1.44	3.00	4.77	22.67	17.90		8.38	7.69	16.07	12.06	29.97	17.91

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]
5260	53	0.00	-23.50	5.89	19.80	7.29	2.19	9.48	-19.36	0.70	19.97	7.29	1.31	8.60	
	54	0.00	-23.37	5.89	19.80	7.29	2.32	9.61	-19.33	0.70	19.97	7.29	1.34	8.63	
5300	53	0.00	-23.68	5.86	19.80	7.29	1.98	9.27	-19.11	0.70	19.97	7.29	1.56	8.85	
	54	0.00	-23.66	5.86	19.80	7.29	2.00	9.29	-19.17	0.70	19.97	7.29	1.50	8.79	
5320	53	0.00	-23.42	5.84	19.80	7.29	2.22	9.51	-19.05	0.70	19.96	7.29	1.61	8.90	
	54	0.00	-23.70	5.84	19.80	7.29	1.94	9.23	-19.09	0.70	19.96	7.29	1.57	8.86	

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 19, 2020 May 20, 2020
Temperature / Humidity 25 deg. C / 35 % RH 22 deg. C / 53 % RH
Engineer Yuta Moriya Takafumi Noguchi
Mode Tx 11ax-20 (106-tone RU) (Low Power Setting)

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	19.718	18.101	1.31	1.19	2.50	3.97	22.65	18.68	7.00	6.38	13.38	11.26	29.97	18.71
	54	19.847	18.194	1.28	1.49	2.77	4.42	22.68	18.26	6.85	7.96	14.82	11.71	29.97	18.26
5580	53	19.863	18.049	1.67	1.73	3.40	5.32	22.68	17.36	8.97	9.27	18.24	12.61	29.97	17.36
	54	19.840	18.175	1.68	1.73	3.41	5.33	22.68	17.35	9.02	9.25	18.26	12.62	29.97	17.35
5700	53	19.488	18.051	1.61	1.54	3.15	4.98	22.60	17.62	8.63	8.24	16.87	12.27	29.97	17.70
	54	19.880	18.172	1.60	1.51	3.12	4.94	22.68	17.74	8.59	8.11	16.70	12.23	29.97	17.74
5720	53	19.588	18.043	1.64	1.51	3.15	4.98	22.62	17.64	8.79	8.09	16.88	12.27	29.97	17.70
	54	19.842	18.190	1.67	1.49	3.16	5.00	22.68	17.68	8.95	7.98	16.93	12.29	29.97	17.68
5745	53	-	18.051	0.83	0.63	1.45	1.62	28.71	27.09	4.43	3.36	7.78	8.91	36.00	27.09
	54	-	18.184	0.80	0.62	1.42	1.53	28.71	27.18	4.30	3.33	7.62	8.82	36.00	27.18
5785	53	-	18.047	0.84	0.64	1.48	1.70	28.71	27.01	4.50	3.44	7.93	8.99	36.00	27.01
	54	-	18.200	0.79	0.63	1.42	1.54	28.71	27.17	4.25	3.39	7.63	8.83	36.00	27.17
5825	53	-	18.007	0.79	0.66	1.45	1.62	28.71	27.09	4.23	3.55	7.77	8.91	36.00	27.09
	54	-	18.185	0.79	0.66	1.45	1.61	28.71	27.10	4.24	3.53	7.77	8.90	36.00	27.10

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 Meter Reading [dBm]
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]	
5500	53	0.00	-24.48	5.84	19.80	7.29	1.16	8.45	-19.98	0.80	19.94	7.29	0.76	8.05	-19.98
	54	0.00	-24.57	5.84	19.80	7.29	1.07	8.36	-19.02	0.80	19.94	7.29	1.72	9.01	-19.02
5580	53	0.00	-23.46	5.83	19.87	7.29	2.24	9.53	-18.44	0.80	20.02	7.29	2.38	9.67	-18.44
	54	0.00	-23.44	5.83	19.87	7.29	2.26	9.55	-18.45	0.80	20.02	7.29	2.37	9.66	-18.45
5700	53	0.00	-23.64	5.84	19.87	7.29	2.07	9.36	-18.94	0.80	20.01	7.29	1.87	9.16	-18.94
	54	0.00	-23.66	5.84	19.87	7.29	2.05	9.34	-19.01	0.80	20.01	7.29	1.80	9.09	-19.01
5720	53	0.00	-23.56	5.84	19.87	7.29	2.15	9.44	-19.02	0.80	20.01	7.29	1.79	9.08	-19.02
	54	0.00	-23.48	5.84	19.87	7.29	2.23	9.52	-19.08	0.80	20.01	7.29	1.73	9.02	-19.08
5745	53	0.00	-26.53	5.83	19.87	7.29	-0.83	6.46	-22.83	0.80	20.00	7.29	-2.03	5.26	-22.83
	54	0.00	-26.66	5.83	19.87	7.29	-0.96	6.33	-22.87	0.80	20.00	7.29	-2.07	5.22	-22.87
5785	53	0.00	-26.45	5.83	19.86	7.29	-0.76	6.53	-22.72	0.80	19.99	7.29	-1.93	5.36	-22.72
	54	0.00	-26.70	5.83	19.86	7.29	-1.01	6.28	-22.78	0.80	19.99	7.29	-1.99	5.30	-22.78
5825	53	0.00	-26.74	5.84	19.87	7.29	-1.03	6.26	-22.57	0.80	19.98	7.29	-1.79	5.50	-22.57
	54	0.00	-26.73	5.84	19.87	7.29	-1.02	6.27	-22.59	0.80	19.98	7.29	-1.81	5.48	-22.59

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 worst antenna gain was applied for e.i.r.p.
The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date March 31, 2020
Temperature / Humidity 21 deg. C / 47 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-20 (242-tone RU) (High Power Setting)

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	-	18.820	4.00	2.88	6.88	8.37	22.68	14.31	21.43	15.42	36.85	15.66	29.97	14.31
5220	-	18.794	3.82	2.88	6.70	8.26	22.68	14.42	20.46	15.45	35.92	15.55	29.97	14.42
5240	-	18.818	3.68	2.99	6.67	8.24	22.68	14.44	19.72	16.00	35.72	15.53	29.97	14.44
5260	20.287	18.807	5.38	4.39	9.77	9.90	22.68	12.78	28.84	23.50	52.34	17.19	29.97	12.78
5300	20.406	18.798	5.09	4.55	9.64	9.84	22.68	12.84	27.29	24.38	51.67	17.13	29.97	12.84
5320	20.203	18.786	5.13	4.65	9.77	9.90	22.68	12.78	27.48	24.89	52.37	17.19	29.97	12.78
5500	20.046	18.824	4.61	4.99	9.60	9.82	22.68	12.86	24.72	26.73	51.45	17.11	29.97	12.86
5580	20.106	18.880	5.50	5.45	10.94	10.39	22.68	12.29	29.44	29.17	58.62	17.68	29.97	12.29
5700	20.153	18.855	5.52	4.94	10.46	10.20	22.68	12.48	29.58	26.49	56.07	17.49	29.97	12.48
5720	20.200	18.795	5.60	4.89	10.48	10.21	22.68	12.47	29.99	26.18	56.17	17.50	29.97	12.47
5745	-	18.812	5.92	5.13	11.04	10.43	28.71	18.28	31.70	27.48	59.17	17.72	36.00	18.28
5785	-	18.804	5.81	5.18	10.98	10.41	28.71	18.30	31.12	27.73	58.85	17.70	36.00	18.30
5825	-	18.848	5.50	5.13	10.62	10.26	28.71	18.45	29.44	27.48	56.92	17.55	36.00	18.45

		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	-19.76	5.93	19.85	7.29	6.02	13.31	-16.04	0.70	19.93	7.29	4.59	11.88
5220	0.00	-19.94	5.91	19.85	7.29	5.82	13.11	-16.03	0.70	19.93	7.29	4.60	11.89
5240	0.00	-20.08	5.89	19.85	7.29	5.66	12.95	-15.88	0.70	19.93	7.29	4.75	12.04
5260	0.00	-18.43	5.89	19.85	7.29	7.31	14.60	-14.21	0.70	19.93	7.29	6.42	13.71
5300	0.00	-18.65	5.86	19.86	7.29	7.07	14.36	-14.05	0.70	19.93	7.29	6.58	13.87
5320	0.00	-18.60	5.84	19.86	7.29	7.10	14.39	-13.97	0.70	19.94	7.29	6.67	13.96
5500	0.00	-19.09	5.84	19.89	7.29	6.64	13.93	-13.77	0.80	19.95	7.29	6.98	14.27
5580	0.00	-18.32	5.83	19.89	7.29	7.40	14.69	-13.39	0.80	19.95	7.29	7.36	14.65
5700	0.00	-18.30	5.84	19.88	7.29	7.42	14.71	-13.81	0.80	19.95	7.29	6.94	14.23
5720	0.00	-18.24	5.84	19.88	7.29	7.48	14.77	-13.86	0.80	19.95	7.29	6.89	14.18
5745	0.00	-17.99	5.83	19.88	7.29	7.72	15.01	-13.65	0.80	19.95	7.29	7.10	14.39
5785	0.00	-18.06	5.83	19.87	7.29	7.64	14.93	-13.61	0.80	19.95	7.29	7.14	14.43
5825	0.00	-18.31	5.84	19.87	7.29	7.40	14.69	-13.65	0.80	19.95	7.29	7.10	14.39

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)

worst antenna gain was applied for e.i.r.p.
The test was performed with Gate function.

The

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 19, 2020 May 20, 2020
Temperature / Humidity 25 deg. C / 35 % RH 22 deg. C / 53 % RH
Engineer Yuta Moriya Takafumi Noguchi
Mode Tx 11ax-20 (242-tone RU) (Low Power Setting)

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]			
5260	20.287	18.807	4.01	3.17	7.18	8.56	22.68	14.12	21.48	16.98	38.46	15.85	29.97	14.12
5300	20.406	18.798	3.70	3.30	7.00	8.45	22.68	14.23	19.82	17.70	37.52	15.74	29.97	14.23
5320	20.203	18.786	3.81	3.06	6.87	8.37	22.68	14.31	20.42	16.41	36.82	15.66	29.97	14.31
5500	20.046	18.824	3.37	3.72	7.08	8.50	22.68	14.18	18.03	19.91	37.94	15.79	29.97	14.18
5580	20.106	18.880	4.30	4.21	8.50	9.30	22.68	13.38	23.01	22.54	45.56	16.59	29.97	13.38
5700	20.153	18.855	3.93	3.70	7.62	8.82	22.68	13.86	21.04	19.82	40.85	16.11	29.97	13.86
5720	20.200	18.795	3.72	3.19	6.91	8.39	22.68	14.29	19.91	17.10	37.01	15.68	29.97	14.29
5745	-	18.812	1.92	1.58	3.50	5.44	28.71	23.27	10.28	8.45	18.73	12.73	36.00	23.27
5785	-	18.804	1.91	1.60	3.51	5.46	28.71	23.25	10.23	8.59	18.82	12.75	36.00	23.25
5825	-	18.848	1.85	1.61	3.45	5.38	28.71	23.33	9.89	8.61	18.50	12.67	36.00	23.33

		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 [dBm]	e.i.r.p. [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5260	0.00	-19.66	5.89	19.80	7.29	6.03	13.32	-15.66	0.70	19.97	7.29	5.01	12.30
5300	0.00	-19.98	5.86	19.80	7.29	5.68	12.97	-15.48	0.70	19.97	7.29	5.19	12.48
5320	0.00	-19.83	5.84	19.80	7.29	5.81	13.10	-15.80	0.70	19.96	7.29	4.86	12.15
5500	0.00	-20.37	5.84	19.80	7.29	5.27	12.56	-15.04	0.80	19.94	7.29	5.70	12.99
5580	0.00	-19.37	5.83	19.87	7.29	6.33	13.62	-14.58	0.80	20.02	7.29	6.24	13.53
5700	0.00	-19.77	5.84	19.87	7.29	5.94	13.23	-15.13	0.80	20.01	7.29	5.68	12.97
5720	0.00	-20.01	5.84	19.87	7.29	5.70	12.99	-15.77	0.80	20.01	7.29	5.04	12.33
5745	0.00	-22.87	5.83	19.87	7.29	2.83	10.12	-18.82	0.80	20.00	7.29	1.98	9.27
5785	0.00	-22.88	5.83	19.86	7.29	2.81	10.10	-18.74	0.80	19.99	7.29	2.05	9.34
5825	0.00	-23.05	5.84	19.87	7.29	2.66	9.95	-18.72	0.80	19.98	7.29	2.06	9.35

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 19, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Akihiko Maeda
Mode Tx 11n-40 (High Power Setting)

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	-	36.272	4.10	3.30	7.41	8.70	22.68	13.98	21.98	17.70	39.68	15.99	29.97	13.98
5230	-	36.297	4.02	3.46	7.48	8.74	22.68	13.94	21.53	18.54	40.06	16.03	29.97	13.94
5270	40.143	36.295	5.58	5.31	10.89	10.37	22.68	12.31	29.92	28.44	58.37	17.66	29.97	12.31
5310	40.142	36.437	5.71	4.84	10.56	10.24	22.68	12.44	30.62	25.94	56.56	17.53	29.97	12.44
5510	40.111	36.401	4.89	5.41	10.29	10.13	22.68	12.55	26.18	28.97	55.16	17.42	29.97	12.55
5550	39.924	36.329	5.09	5.94	11.04	10.43	22.68	12.25	27.29	31.84	59.13	17.72	29.97	12.25
5670	39.698	36.282	5.45	5.28	10.73	10.31	22.68	12.37	29.17	28.31	57.49	17.60	29.97	12.37
5710	39.957	36.257	5.98	5.38	11.37	10.56	22.68	12.12	32.06	28.84	60.90	17.85	29.97	12.12
5755	-	36.420	5.37	6.05	11.42	10.58	28.71	18.13	28.77	32.43	61.21	17.87	36.00	18.13
5795	-	36.310	5.08	5.96	11.04	10.43	28.71	18.28	27.23	31.92	59.14	17.72	36.00	18.28

		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	-4.63	0.70	10.06	7.29	6.13	13.42	-5.33	0.70	9.82	7.29	5.19	12.48
5230	0.00	-4.72	0.70	10.06	7.29	6.04	13.33	-5.13	0.70	9.82	7.29	5.39	12.68
5270	0.00	-3.29	0.70	10.06	7.29	7.47	14.76	-3.27	0.70	9.82	7.29	7.25	14.54
5310	0.00	-3.18	0.70	10.05	7.29	7.57	14.86	-3.67	0.70	9.82	7.29	6.85	14.14
5510	0.00	-3.96	0.80	10.05	7.29	6.89	14.18	-3.29	0.80	9.82	7.29	7.33	14.62
5550	0.00	-3.78	0.80	10.05	7.29	7.07	14.36	-2.89	0.80	9.83	7.29	7.74	15.03
5670	0.00	-3.51	0.80	10.07	7.29	7.36	14.65	-3.41	0.80	9.84	7.29	7.23	14.52
5710	0.00	-3.10	0.80	10.07	7.29	7.77	15.06	-3.33	0.80	9.84	7.29	7.31	14.60
5755	0.00	-3.59	0.80	10.09	7.29	7.30	14.59	-2.83	0.80	9.85	7.29	7.82	15.11
5795	0.00	-3.83	0.80	10.09	7.29	7.06	14.35	-2.90	0.80	9.85	7.29	7.75	15.04

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

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Maximum Conducted Output Power

Report No.	13170804H
Test place	Ise EMC Lab. No.4 Measurement Room
Date	May 15, 2020
Temperature / Humidity	22 deg. C / 33 % RH
Engineer	Yuta Moriya
Mode	Tx 11n-40 (Low Power Setting)

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]			
5270	40.143	36.295	3.33	3.24	6.56	8.17	22.68	14.51	17.82	17.34	35.16	15.46	29.97	14.51
5310	40.142	36.437	3.13	3.32	6.45	8.09	22.68	14.59	16.75	17.78	34.53	15.38	29.97	14.59
5510	40.111	36.401	3.44	3.54	6.98	8.44	22.68	14.24	18.45	18.97	37.42	15.73	29.97	14.24
5550	39.924	36.329	2.67	2.61	5.29	7.23	22.68	15.45	14.32	14.00	28.32	14.52	29.97	15.45
5670	39.698	36.282	2.99	2.61	5.60	7.49	22.68	15.19	16.03	14.00	30.03	14.78	29.97	15.19
5710	39.957	36.257	3.07	2.67	5.74	7.59	22.68	15.09	16.44	14.32	30.77	14.88	29.97	15.09
5755	-	36.420	1.19	1.14	2.33	3.68	28.71	25.03	6.40	6.11	12.51	10.97	36.00	25.03
5795	-	36.310	1.10	1.14	2.24	3.51	28.71	25.20	5.89	6.12	12.01	10.80	36.00	25.20

		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]
5270	0.00	-5.54	0.70	10.06	7.29	5.22	12.51	-5.42	0.70	9.82	7.29	5.10	12.39
5310	0.00	-5.80	0.70	10.05	7.29	4.95	12.24	-5.31	0.70	9.82	7.29	5.21	12.50
5510	0.00	-5.48	0.80	10.05	7.29	5.37	12.66	-5.13	0.80	9.82	7.29	5.49	12.78
5550	0.00	-6.58	0.80	10.05	7.29	4.27	11.56	-6.46	0.80	9.83	7.29	4.17	11.46
5670	0.00	-6.11	0.80	10.07	7.29	4.76	12.05	-6.47	0.80	9.84	7.29	4.17	11.46
5710	0.00	-6.00	0.80	10.07	7.29	4.87	12.16	-6.37	0.80	9.84	7.29	4.27	11.56
5755	0.00	-10.12	0.80	10.09	7.29	0.77	8.06	-10.08	0.80	9.85	7.29	0.57	7.86
5795	0.00	-10.48	0.80	10.09	7.29	0.41	7.70	-10.07	0.80	9.85	7.29	0.58	7.87

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 19, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Akihiko Maeda
Mode Tx 11ac-40 (High Power Setting)

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	-	36.349	4.06	3.37	7.43	8.71	22.68	13.97	21.78	18.03	39.81	16.00	29.97	13.97
5230	-	36.309	3.83	3.35	7.18	8.56	22.68	14.12	20.51	17.95	38.46	15.85	29.97	14.12
5270	39.888	36.321	5.57	5.37	10.94	10.39	22.68	12.29	29.85	28.77	58.63	17.68	29.97	12.29
5310	40.399	36.287	5.12	5.51	10.62	10.26	22.68	12.42	27.42	29.51	56.93	17.55	29.97	12.42
5510	39.772	36.289	4.85	5.57	10.42	10.18	22.68	12.50	26.00	29.85	55.86	17.47	29.97	12.50
5550	39.960	36.273	5.04	5.86	10.90	10.37	22.68	12.31	26.98	31.41	58.38	17.66	29.97	12.31
5670	40.045	36.306	5.86	5.90	11.76	10.71	22.68	11.97	31.41	31.62	63.03	18.00	29.97	11.97
5710	39.760	36.344	6.07	5.50	11.56	10.63	22.68	12.05	32.51	29.44	61.95	17.92	29.97	12.05
5755	-	36.315	5.47	6.27	11.74	10.70	28.71	18.01	29.31	33.57	62.88	17.99	36.00	18.01
5795	-	36.267	5.06	6.05	11.11	10.46	28.71	18.25	27.10	32.43	59.54	17.75	36.00	18.25

		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]
5190	0.00	-4.67	0.70	10.06	7.29	6.09	13.38	-5.25	0.70	9.82	7.29	5.27	12.56
5230	0.00	-4.93	0.70	10.06	7.29	5.83	13.12	-5.27	0.70	9.82	7.29	5.25	12.54
5270	0.00	-3.30	0.70	10.06	7.29	7.46	14.75	-3.22	0.70	9.82	7.29	7.30	14.59
5310	0.00	-3.66	0.70	10.05	7.29	7.09	14.38	-3.11	0.70	9.82	7.29	7.41	14.70
5510	0.00	-3.99	0.80	10.05	7.29	6.86	14.15	-3.16	0.80	9.82	7.29	7.46	14.75
5550	0.00	-3.83	0.80	10.05	7.29	7.02	14.31	-2.95	0.80	9.83	7.29	7.68	14.97
5670	0.00	-3.19	0.80	10.07	7.29	7.68	14.97	-2.93	0.80	9.84	7.29	7.71	15.00
5710	0.00	-3.04	0.80	10.07	7.29	7.83	15.12	-3.24	0.80	9.84	7.29	7.40	14.69
5755	0.00	-3.51	0.80	10.09	7.29	7.38	14.67	-2.68	0.80	9.85	7.29	7.97	15.26
5795	0.00	-3.85	0.80	10.09	7.29	7.04	14.33	-2.83	0.80	9.85	7.29	7.82	15.11

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date May 15, 2020
Temperature / Humidity 22 deg. C / 33 % RH
Engineer Yuta Moriya
Mode Tx 11ac-40 (Low Power Setting)

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]			
5270	39.888	36.321	4.17	4.07	8.24	9.16	22.68	13.52	22.34	21.83	44.16	16.45	29.97	13.52
5310	40.399	36.287	3.75	4.10	7.85	8.95	22.68	13.73	20.09	21.98	42.07	16.24	29.97	13.73
5510	39.772	36.289	3.97	4.22	8.19	9.13	22.68	13.55	21.28	22.59	43.88	16.42	29.97	13.55
5550	39.960	36.273	4.49	4.55	9.04	9.56	22.68	13.12	24.04	24.38	48.42	16.85	29.97	13.12
5670	40.045	36.306	4.86	4.33	9.19	9.63	22.68	13.05	26.06	23.17	49.24	16.92	29.97	13.05
5710	39.760	36.344	4.58	4.12	8.70	9.40	22.68	13.28	24.55	22.08	46.63	16.69	29.97	13.28
5755	-	36.315	1.93	1.91	3.84	5.85	28.71	22.86	10.35	10.23	20.58	13.14	36.00	22.86
5795	-	36.267	1.84	1.92	3.76	5.75	28.71	22.96	9.84	10.30	20.14	13.04	36.00	22.96

		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]	
5270	0.00	-4.56	0.70	10.06	7.29	6.20	13.49	-4.42	0.70	9.82	7.29	6.10	13.39	
5310	0.00	-5.01	0.70	10.05	7.29	5.74	13.03	-4.39	0.70	9.82	7.29	6.13	13.42	
5510	0.00	-4.86	0.80	10.05	7.29	5.99	13.28	-4.37	0.80	9.82	7.29	6.25	13.54	
5550	0.00	-4.33	0.80	10.05	7.29	6.52	13.81	-4.05	0.80	9.83	7.29	6.58	13.87	
5670	0.00	-4.00	0.80	10.07	7.29	6.87	14.16	-4.28	0.80	9.84	7.29	6.36	13.65	
5710	0.00	-4.26	0.80	10.07	7.29	6.61	13.90	-4.49	0.80	9.84	7.29	6.15	13.44	
5755	0.00	-8.03	0.80	10.09	7.29	2.86	10.15	-7.84	0.80	9.85	7.29	2.81	10.10	
5795	0.00	-8.25	0.80	10.09	7.29	2.64	9.93	-7.81	0.80	9.85	7.29	2.84	10.13	

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 19, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Akihiko Maeda
Mode Tx 11ax-40 (OFDM) (High Power Setting)

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
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	37.645	4.31	3.58	7.89	8.97	22.68	13.71	23.07	19.19	42.25	16.26	29.97	13.71
5230	-	37.674	4.05	3.61	7.66	8.84	22.68	13.84	21.68	19.36	41.04	16.13	29.97	13.84
5270	40.849	37.595	5.83	5.65	11.48	10.60	22.68	12.08	31.26	30.27	61.53	17.89	29.97	12.08
5310	40.657	37.586	5.48	5.81	11.29	10.53	22.68	12.15	29.38	31.12	60.49	17.82	29.97	12.15
5510	40.777	37.599	5.31	5.87	11.18	10.49	22.68	12.19	28.44	31.48	59.92	17.78	29.97	12.19
5550	40.729	37.651	5.57	6.47	12.04	10.81	22.68	11.87	29.85	34.67	64.53	18.10	29.97	11.87
5670	40.799	37.644	6.30	6.27	12.56	10.99	22.68	11.69	33.73	33.57	67.30	18.28	29.97	11.69
5710	40.879	37.539	6.37	5.61	11.98	10.78	22.68	11.90	34.12	30.06	64.18	18.07	29.97	11.90
5755	-	37.590	5.94	6.87	12.81	11.08	28.71	17.63	31.84	36.81	68.65	18.37	36.00	17.63
5795	-	37.669	5.73	6.59	12.32	10.91	28.71	17.80	30.69	35.32	66.01	18.20	36.00	17.80

		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	-4.42	0.70	10.06	7.29	6.34	13.63	-4.98	0.70	9.82	7.29	5.54	12.83
5230	0.00	-4.69	0.70	10.06	7.29	6.07	13.36	-4.94	0.70	9.82	7.29	5.58	12.87
5270	0.00	-3.10	0.70	10.06	7.29	7.66	14.95	-3.00	0.70	9.82	7.29	7.52	14.81
5310	0.00	-3.36	0.70	10.05	7.29	7.39	14.68	-2.88	0.70	9.82	7.29	7.64	14.93
5510	0.00	-3.60	0.80	10.05	7.29	7.25	14.54	-2.93	0.80	9.82	7.29	7.69	14.98
5550	0.00	-3.39	0.80	10.05	7.29	7.46	14.75	-2.52	0.80	9.83	7.29	8.11	15.40
5670	0.00	-2.88	0.80	10.07	7.29	7.99	15.28	-2.67	0.80	9.84	7.29	7.97	15.26
5710	0.00	-2.83	0.80	10.07	7.29	8.04	15.33	-3.15	0.80	9.84	7.29	7.49	14.78
5755	0.00	-3.15	0.80	10.09	7.29	7.74	15.03	-2.28	0.80	9.85	7.29	8.37	15.66
5795	0.00	-3.31	0.80	10.09	7.29	7.58	14.87	-2.46	0.80	9.85	7.29	8.19	15.48

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 15, 2020
Temperature / Humidity 22 deg. C / 33 % RH
Engineer Yuta Moria
Mode Tx 11ax-40 (OFDM) (Low Power Setting)

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]			
5270	40.849	37.595	4.18	4.12	8.30	9.19	22.68	13.49	22.39	22.08	44.47	16.48	29.97	13.49
5310	40.657	37.586	4.05	4.38	8.42	9.25	22.68	13.43	21.68	23.44	45.12	16.54	29.97	13.43
5510	40.777	37.599	4.32	4.57	8.89	9.49	22.68	13.19	23.12	24.49	47.61	16.78	29.97	13.19
5550	40.729	37.651	4.63	4.81	9.44	9.75	22.68	12.93	24.83	25.76	50.59	17.04	29.97	12.93
5670	40.799	37.644	5.07	4.59	9.66	9.85	22.68	12.83	27.16	24.60	51.77	17.14	29.97	12.83
5710	40.879	37.539	4.70	4.28	8.97	9.53	22.68	13.15	25.18	22.91	48.09	16.82	29.97	13.15
5755	-	37.590	2.03	1.98	4.01	6.03	28.71	22.68	10.86	10.62	21.48	13.32	36.00	22.68
5795	-	37.669	1.85	2.07	3.91	5.93	28.71	22.78	9.91	11.07	20.97	13.22	36.00	22.78

		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]
5270	0.00	-4.55	0.70	10.06	7.29	6.21	13.50	-4.37	0.70	9.82	7.29	6.15	13.44
5310	0.00	-4.68	0.70	10.05	7.29	6.07	13.36	-4.11	0.70	9.82	7.29	6.41	13.70
5510	0.00	-4.50	0.80	10.05	7.29	6.35	13.64	-4.02	0.80	9.82	7.29	6.60	13.89
5550	0.00	-4.19	0.80	10.05	7.29	6.66	13.95	-3.81	0.80	9.83	7.29	6.82	14.11
5670	0.00	-3.82	0.80	10.07	7.29	7.05	14.34	-4.02	0.80	9.84	7.29	6.62	13.91
5710	0.00	-4.15	0.80	10.07	7.29	6.72	14.01	-4.33	0.80	9.84	7.29	6.31	13.60
5755	0.00	-7.82	0.80	10.09	7.29	3.07	10.36	-7.68	0.80	9.85	7.29	2.97	10.26
5795	0.00	-8.22	0.80	10.09	7.29	2.67	9.96	-7.50	0.80	9.85	7.29	3.15	10.44

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 20 deg. C / 30 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (26-tone RU) (High Power Setting)

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	-	37.359	0.15	0.12	0.27	-5.73	22.68	28.41	0.81	0.62	1.43	1.56	29.97	28.41
	8	-	35.954	0.19	0.14	0.33	-4.78	22.68	27.46	1.01	0.77	1.78	2.51	29.97	27.46
	17	-	37.328	0.16	0.12	0.28	-5.53	22.68	28.21	0.85	0.65	1.50	1.76	29.97	28.21
5230	0	-	37.252	0.17	0.13	0.29	-5.33	22.68	28.01	0.89	0.68	1.57	1.96	29.97	28.01
	8	-	35.939	0.20	0.16	0.35	-4.52	22.68	27.20	1.05	0.84	1.89	2.77	29.97	27.20
	17	-	37.352	0.16	0.13	0.29	-5.41	22.68	28.09	0.85	0.70	1.54	1.88	29.97	28.09
5270	0	39.032	37.154	0.23	0.19	0.43	-3.69	22.68	26.37	1.25	1.04	2.29	3.60	29.97	26.37
	8	37.552	35.789	0.29	0.25	0.54	-2.67	22.68	25.35	1.57	1.33	2.90	4.62	29.97	25.35
	17	39.109	37.399	0.21	0.20	0.41	-3.85	22.68	26.53	1.13	1.08	2.21	3.44	29.97	26.53
5310	0	39.065	37.262	0.21	0.24	0.45	-3.47	22.68	26.15	1.12	1.29	2.41	3.82	29.97	26.15
	8	37.614	35.802	0.28	0.24	0.52	-2.85	22.68	25.53	1.48	1.30	2.78	4.44	29.97	25.53
	17	39.027	37.307	0.21	0.20	0.41	-3.84	22.68	26.52	1.12	1.09	2.21	3.45	29.97	26.52

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]
5190	0	0.00	-33.97	5.93	19.85	7.29	-8.19	-0.90	-30.00	0.70	19.93	7.29	-9.37	-2.08
	8	0.00	-33.01	5.93	19.85	7.29	-7.23	0.06	-29.06	0.70	19.93	7.29	-8.43	-1.14
	17	0.00	-33.76	5.93	19.85	7.29	-7.98	-0.69	-29.82	0.70	19.93	7.29	-9.19	-1.90
5230	0	0.00	-33.56	5.90	19.85	7.29	-7.81	-0.52	-29.58	0.70	19.93	7.29	-8.95	-1.66
	8	0.00	-32.83	5.90	19.85	7.29	-7.08	0.21	-28.66	0.70	19.93	7.29	-8.03	-0.74
	17	0.00	-33.76	5.90	19.85	7.29	-8.01	-0.72	-29.50	0.70	19.93	7.29	-8.87	-1.58
5270	0	0.00	-32.07	5.88	19.86	7.29	-6.33	0.96	-27.74	0.70	19.93	7.29	-7.11	0.18
	8	0.00	-31.07	5.88	19.86	7.29	-5.33	1.96	-26.69	0.70	19.93	7.29	-6.06	1.23
	17	0.00	-32.51	5.88	19.86	7.29	-6.77	0.52	-27.59	0.70	19.93	7.29	-6.96	0.33
5310	0	0.00	-32.51	5.85	19.86	7.29	-6.80	0.49	-26.81	0.70	19.93	7.29	-6.18	1.11
	8	0.00	-31.30	5.85	19.86	7.29	-5.59	1.70	-26.77	0.70	19.93	7.29	-6.14	1.15
	17	0.00	-32.51	5.85	19.86	7.29	-6.80	0.49	-27.54	0.70	19.93	7.29	-6.91	0.38

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 worst antenna gain was applied for e.i.r.p.

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 20 deg. C / 30 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (26-tone RU) (High Power Setting)

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]
5510	0	38.938	37.437	0.18	0.22	0.40	-3.97	22.68	26.65	0.96	1.19	2.15	3.32	29.97	26.65
	8	37.755	35.970	0.23	0.27	0.50	-3.00	22.68	25.68	1.24	1.44	2.68	4.29	29.97	25.68
	17	39.164	37.256	0.20	0.23	0.43	-3.69	22.68	26.37	1.08	1.21	2.29	3.60	29.97	26.37
5550	0	38.913	37.292	0.21	0.23	0.44	-3.56	22.68	26.24	1.12	1.24	2.36	3.73	29.97	26.24
	8	37.580	35.936	0.25	0.29	0.54	-2.67	22.68	25.35	1.36	1.53	2.90	4.62	29.97	25.35
	17	38.364	37.405	0.21	0.24	0.45	-3.49	22.68	26.17	1.12	1.28	2.40	3.80	29.97	26.17
5670	0	39.032	37.251	0.24	0.24	0.48	-3.21	22.68	25.89	1.28	1.28	2.56	4.08	29.97	25.89
	8	37.587	35.724	0.31	0.30	0.61	-2.15	22.68	24.83	1.68	1.58	3.26	5.14	29.97	24.83
	17	39.075	37.299	0.24	0.24	0.48	-3.19	22.68	25.87	1.28	1.29	2.57	4.10	29.97	25.87
5710	0	39.040	37.241	0.23	0.23	0.46	-3.39	22.68	26.07	1.24	1.21	2.45	3.90	29.97	26.07
	8	37.702	35.864	0.30	0.29	0.58	-2.33	22.68	25.01	1.60	1.53	3.13	4.96	29.97	25.01
	17	39.078	37.373	0.23	0.23	0.46	-3.37	22.68	26.05	1.24	1.22	2.47	3.92	29.97	26.05
5755	0	-	37.319	0.25	0.21	0.47	-3.32	28.71	32.03	1.36	1.14	2.50	3.97	36.00	32.03
	8	-	35.970	0.31	0.25	0.55	-2.57	28.71	31.28	1.64	1.33	2.97	4.72	36.00	31.28
	17	-	37.313	0.26	0.22	0.48	-3.18	28.71	31.89	1.40	1.17	2.58	4.11	36.00	31.89
5795	0	-	37.221	0.24	0.21	0.45	-3.51	28.71	32.22	1.28	1.11	2.39	3.78	36.00	32.22
	8	-	36.028	0.28	0.24	0.51	-2.89	28.71	31.60	1.48	1.28	2.75	4.40	36.00	31.60
	17	-	37.537	0.25	0.21	0.47	-3.30	28.71	32.01	1.36	1.15	2.50	3.99	36.00	32.01

			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]
5510	0	0.00	-33.18	5.83	19.89	7.29	-7.46	-0.17	-27.30	0.80	19.95	7.29	-6.55	0.74
	8	0.00	-32.07	5.83	19.89	7.29	-6.35	0.94	-26.45	0.80	19.95	7.29	-5.70	1.59
	17	0.00	-32.67	5.83	19.89	7.29	-6.95	0.34	-27.21	0.80	19.95	7.29	-6.46	0.83
5550	0	0.00	-32.51	5.84	19.89	7.29	-6.78	0.51	-27.12	0.80	19.95	7.29	-6.37	0.92
	8	0.00	-31.67	5.84	19.89	7.29	-5.94	1.35	-26.19	0.80	19.95	7.29	-5.44	1.85
	17	0.00	-32.51	5.84	19.89	7.29	-6.78	0.51	-26.98	0.80	19.95	7.29	-6.23	1.06
5670	0	0.00	-31.93	5.84	19.88	7.29	-6.21	1.08	-26.98	0.80	19.95	7.29	-6.23	1.06
	8	0.00	-30.75	5.84	19.88	7.29	-5.03	2.26	-26.05	0.80	19.95	7.29	-5.30	1.99
	17	0.00	-31.93	5.84	19.88	7.29	-6.21	1.08	-26.94	0.80	19.95	7.29	-6.19	1.10
5710	0	0.00	-32.07	5.84	19.88	7.29	-6.35	0.94	-27.21	0.80	19.95	7.29	-6.46	0.83
	8	0.00	-30.96	5.84	19.88	7.29	-5.24	2.05	-26.19	0.80	19.95	7.29	-5.44	1.85
	17	0.00	-32.07	5.84	19.88	7.29	-6.35	0.94	-27.16	0.80	19.95	7.29	-6.41	0.88
5755	0	0.00	-31.67	5.84	19.88	7.29	-5.95	1.34	-27.49	0.80	19.95	7.29	-6.74	0.55
	8	0.00	-30.86	5.84	19.88	7.29	-5.14	2.15	-26.81	0.80	19.95	7.29	-6.06	1.23
	17	0.00	-31.54	5.84	19.88	7.29	-5.82	1.47	-27.35	0.80	19.95	7.29	-6.60	0.69
5795	0	0.00	-31.93	5.83	19.87	7.29	-6.23	1.06	-27.59	0.80	19.95	7.29	-6.84	0.45
	8	0.00	-31.30	5.83	19.87	7.29	-5.60	1.69	-26.98	0.80	19.95	7.29	-6.23	1.06
	17	0.00	-31.67	5.83	19.87	7.29	-5.97	1.32	-27.44	0.80	19.95	7.29	-6.69	0.60

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 19, 2020
Temperature / Humidity 25 deg. C / 35 % RH
Engineer Yuta Moriya
Mode Tx 11ax-40 (26-tone RU) (Low Power Setting)

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]
5270	0	39.032	37.154	0.19	0.16	0.35	-4.54	22.68	27.22	1.04	0.84	1.88	2.75	29.97	27.22
	8	37.552	35.789	0.20	0.16	0.36	-4.39	22.68	27.07	1.07	0.88	1.95	2.90	29.97	27.07
	17	39.109	37.399	0.19	0.16	0.36	-4.47	22.68	27.15	1.04	0.87	1.91	2.82	29.97	27.15
5310	0	39.065	37.262	0.19	0.16	0.36	-4.48	22.68	27.16	1.03	0.88	1.91	2.81	29.97	27.16
	8	37.614	35.802	0.19	0.17	0.37	-4.35	22.68	27.03	1.04	0.92	1.97	2.94	29.97	27.03
	17	39.027	37.307	0.19	0.17	0.36	-4.41	22.68	27.09	1.04	0.90	1.94	2.88	29.97	27.09

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]	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]
5270	0	0.00	-32.80	5.88	19.80	7.29	-7.12	0.17	-28.70	0.70	19.97	7.29	-8.03	-0.74
	8	0.00	-32.67	5.88	19.80	7.29	-6.99	0.30	-28.53	0.70	19.97	7.29	-7.86	-0.57
	17	0.00	-32.80	5.88	19.80	7.29	-7.12	0.17	-28.55	0.70	19.97	7.29	-7.88	-0.59
5310	0	0.00	-32.80	5.85	19.80	7.29	-7.15	0.14	-28.51	0.70	19.96	7.29	-7.85	-0.56
	8	0.00	-32.76	5.85	19.80	7.29	-7.11	0.18	-28.29	0.70	19.96	7.29	-7.63	-0.34
	17	0.00	-32.79	5.85	19.80	7.29	-7.14	0.15	-28.39	0.70	19.96	7.29	-7.73	-0.44

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 19, 2020
Temperature / Humidity 25 deg. C / 35 % RH
Engineer Yuta Moriya
Mode Tx 11ax-40 (26-tone RU) (Low Power Setting)

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	38.938	37.437	0.16	0.18	0.34	-4.68	22.68	27.36	0.83	0.99	1.82	2.61	29.97	27.36
	8	37.755	35.970	0.16	0.19	0.35	-4.58	22.68	27.26	0.83	1.03	1.86	2.71	29.97	27.26
	17	39.164	37.256	0.16	0.18	0.34	-4.68	22.68	27.36	0.83	0.99	1.82	2.61	29.97	27.36
5550	0	38.913	37.292	0.18	0.21	0.39	-4.11	22.68	26.79	0.96	1.12	2.08	3.18	29.97	26.79
	8	37.580	35.936	0.18	0.21	0.39	-4.05	22.68	26.73	0.96	1.15	2.11	3.24	29.97	26.73
	17	38.364	37.405	0.18	0.21	0.39	-4.14	22.68	26.82	0.96	1.10	2.06	3.15	29.97	26.82
5670	0	39.032	37.251	0.20	0.20	0.40	-3.99	22.68	26.67	1.05	1.08	2.14	3.30	29.97	26.67
	8	37.587	35.724	0.21	0.21	0.42	-3.79	22.68	26.47	1.12	1.11	2.24	3.50	29.97	26.47
	17	39.075	37.299	0.20	0.20	0.40	-4.02	22.68	26.70	1.05	1.07	2.12	3.27	29.97	26.70
5710	0	39.040	37.241	0.19	0.18	0.37	-4.31	22.68	26.99	1.01	0.98	1.99	2.98	29.97	26.99
	8	37.702	35.864	0.19	0.19	0.38	-4.22	22.68	26.90	1.01	1.02	2.03	3.07	29.97	26.90
	17	39.078	37.373	0.20	0.19	0.38	-4.16	22.68	26.84	1.05	1.00	2.05	3.13	29.97	26.84
5755	0	-	37.319	0.08	0.07	0.15	-8.21	28.71	36.92	0.45	0.36	0.81	-0.92	36.00	36.92
	8	-	35.970	0.09	0.07	0.16	-7.87	28.71	36.58	0.48	0.40	0.88	-0.58	36.00	36.58
	17	-	37.313	0.09	0.07	0.16	-7.87	28.71	36.58	0.48	0.39	0.87	-0.58	36.00	36.58
5795	0	-	37.221	0.09	0.07	0.16	-7.86	28.71	36.57	0.48	0.40	0.88	-0.57	36.00	36.57
	8	-	36.028	0.09	0.08	0.17	-7.80	28.71	36.51	0.48	0.41	0.89	-0.51	36.00	36.51
	17	-	37.537	0.08	0.07	0.16	-8.06	28.71	36.77	0.44	0.40	0.84	-0.77	36.00	36.77

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]
5510	0	0.00	-33.72	5.83	19.81	7.29	-8.08	-0.79	-28.09	0.80	19.95	7.29	-7.34	-0.05
	8	0.00	-33.73	5.83	19.81	7.29	-8.09	-0.80	-27.90	0.80	19.95	7.29	-7.15	0.14
	17	0.00	-33.72	5.83	19.81	7.29	-8.08	-0.79	-28.09	0.80	19.95	7.29	-7.34	-0.05
5550	0	0.00	-33.14	5.84	19.85	7.29	-7.45	-0.16	-27.60	0.80	19.99	7.29	-6.81	0.48
	8	0.00	-33.15	5.84	19.85	7.29	-7.46	-0.17	-27.49	0.80	19.99	7.29	-6.70	0.59
	17	0.00	-33.15	5.84	19.85	7.29	-7.46	-0.17	-27.66	0.80	19.99	7.29	-6.87	0.42
5670	0	0.00	-32.79	5.84	19.88	7.29	-7.07	0.22	-27.76	0.80	20.02	7.29	-6.94	0.35
	8	0.00	-32.51	5.84	19.88	7.29	-6.79	0.50	-27.64	0.80	20.02	7.29	-6.82	0.47
	17	0.00	-32.79	5.84	19.88	7.29	-7.07	0.22	-27.81	0.80	20.02	7.29	-6.99	0.30
5710	0	0.00	-32.96	5.84	19.87	7.29	-7.25	0.04	-28.19	0.80	20.00	7.29	-7.39	-0.10
	8	0.00	-32.97	5.84	19.87	7.29	-7.26	0.03	-28.01	0.80	20.00	7.29	-7.21	0.08
	17	0.00	-32.79	5.84	19.87	7.29	-7.08	0.21	-28.07	0.80	20.00	7.29	-7.27	0.02
5755	0	0.00	-36.51	5.84	19.87	7.29	-10.80	-3.51	-32.43	0.80	19.95	7.29	-11.68	-4.39
	8	0.00	-36.19	5.84	19.87	7.29	-10.48	-3.19	-32.07	0.80	19.95	7.29	-11.32	-4.03
	17	0.00	-36.15	5.84	19.87	7.29	-10.44	-3.15	-32.13	0.80	19.95	7.29	-11.38	-4.09
5795	0	0.00	-36.16	5.83	19.86	7.29	-10.47	-3.18	-32.10	0.80	19.99	7.29	-11.31	-4.02
	8	0.00	-36.19	5.83	19.86	7.29	-10.50	-3.21	-31.93	0.80	19.99	7.29	-11.14	-3.85
	17	0.00	-36.53	5.83	19.86	7.29	-10.84	-3.55	-32.11	0.80	19.99	7.29	-11.32	-4.03

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 20 deg. C / 30 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (52-tone RU) (High Power Setting)

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	37	-	36.931	0.40	0.29	0.69	-1.62	22.68	24.30	2.15	1.54	3.69	5.67	29.97	24.30
	40	-	35.925	0.43	0.31	0.75	-1.27	22.68	23.95	2.31	1.69	4.00	6.02	29.97	23.95
	44	-	36.968	0.41	0.29	0.70	-1.53	22.68	24.21	2.19	1.57	3.77	5.76	29.97	24.21
5230	37	-	36.913	0.41	0.31	0.72	-1.43	22.68	24.11	2.22	1.64	3.86	5.86	29.97	24.11
	40	-	35.862	0.44	0.34	0.78	-1.10	22.68	23.78	2.34	1.82	4.16	6.19	29.97	23.78
	44	-	37.037	0.39	0.31	0.70	-1.52	22.68	24.20	2.10	1.67	3.77	5.77	29.97	24.20
5270	37	39.093	36.833	0.57	0.46	1.03	0.14	22.68	22.54	3.05	2.48	5.54	7.43	29.97	22.54
	40	37.972	35.676	0.61	0.52	1.12	0.51	22.68	22.17	3.26	2.77	6.03	7.80	29.97	22.17
	44	39.264	37.146	0.52	0.47	0.99	-0.04	22.68	22.72	2.77	2.54	5.31	7.25	29.97	22.72
5310	37	38.995	36.912	0.51	0.47	0.98	-0.08	22.68	22.76	2.72	2.54	5.26	7.21	29.97	22.76
	40	37.988	35.693	0.57	0.53	1.10	0.42	22.68	22.26	3.08	2.82	5.90	7.71	29.97	22.26
	44	39.248	36.968	0.52	0.49	1.01	0.04	22.68	22.64	2.80	2.61	5.41	7.33	29.97	22.64

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]
5190	37	0.00	-29.74	5.93	19.85	7.29	-3.96	3.33	-26.05	0.70	19.93	7.29	-5.42	1.87
	40	0.00	-29.43	5.93	19.85	7.29	-3.65	3.64	-25.65	0.70	19.93	7.29	-5.02	2.27
	44	0.00	-29.66	5.93	19.85	7.29	-3.88	3.41	-25.95	0.70	19.93	7.29	-5.32	1.97
5230	37	0.00	-29.58	5.90	19.85	7.29	-3.83	3.46	-25.78	0.70	19.93	7.29	-5.15	2.14
	40	0.00	-29.35	5.90	19.85	7.29	-3.60	3.69	-25.31	0.70	19.93	7.29	-4.68	2.61
	44	0.00	-29.82	5.90	19.85	7.29	-4.07	3.22	-25.68	0.70	19.93	7.29	-5.05	2.24
5270	37	0.00	-28.18	5.88	19.86	7.29	-2.44	4.85	-23.97	0.70	19.93	7.29	-3.34	3.95
	40	0.00	-27.90	5.88	19.86	7.29	-2.16	5.13	-23.50	0.70	19.93	7.29	-2.87	4.42
	44	0.00	-28.60	5.88	19.86	7.29	-2.86	4.43	-23.87	0.70	19.93	7.29	-3.24	4.05
5310	37	0.00	-28.66	5.85	19.86	7.29	-2.95	4.34	-23.87	0.70	19.93	7.29	-3.24	4.05
	40	0.00	-28.12	5.85	19.86	7.29	-2.41	4.88	-23.41	0.70	19.93	7.29	-2.78	4.51
	44	0.00	-28.53	5.85	19.86	7.29	-2.82	4.47	-23.76	0.70	19.93	7.29	-3.13	4.16

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 20 deg. C / 30 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (52-tone RU) (High Power Setting)

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	39.025	37.039	0.46	0.49	0.95	-0.23	22.68	22.91	2.44	2.64	5.09	7.06	29.97	22.91
	40	38.070	35.851	0.51	0.56	1.07	0.27	22.68	22.41	2.72	2.99	5.71	7.56	29.97	22.41
	44	39.140	36.895	0.52	0.52	1.04	0.16	22.68	22.52	2.76	2.79	5.55	7.45	29.97	22.52
5550	37	39.109	37.016	0.53	0.53	1.06	0.27	22.68	22.41	2.85	2.84	5.70	7.56	29.97	22.41
	40	38.134	35.842	0.56	0.59	1.16	0.63	22.68	22.05	3.01	3.18	6.20	7.92	29.97	22.05
	44	39.274	36.931	0.54	0.55	1.09	0.37	22.68	22.31	2.89	2.94	5.84	7.66	29.97	22.31
5670	37	39.035	36.958	0.60	0.56	1.16	0.64	22.68	22.04	3.21	3.00	6.21	7.93	29.97	22.04
	40	37.880	35.824	0.69	0.60	1.29	1.10	22.68	21.58	3.68	3.23	6.91	8.39	29.97	21.58
	44	38.814	37.008	0.60	0.54	1.14	0.56	22.68	22.12	3.21	2.88	6.09	7.85	29.97	22.12
5710	37	39.162	36.929	0.61	0.54	1.14	0.58	22.68	22.10	3.24	2.88	6.13	7.87	29.97	22.10
	40	38.021	35.782	0.64	0.58	1.21	0.83	22.68	21.85	3.40	3.08	6.49	8.12	29.97	21.85
	44	39.266	36.951	0.60	0.51	1.11	0.45	22.68	22.23	3.21	2.74	5.95	7.74	29.97	22.23
5755	37	-	36.909	0.64	0.50	1.14	0.56	28.71	28.15	3.44	2.65	6.10	7.85	36.00	28.15
	40	-	35.810	0.66	0.55	1.20	0.81	28.71	27.90	3.52	2.93	6.45	8.10	36.00	27.90
	44	-	36.945	0.66	0.50	1.16	0.64	28.71	28.07	3.52	2.69	6.22	7.93	36.00	28.07
5795	37	-	36.924	0.66	0.51	1.17	0.68	28.71	28.03	3.55	2.72	6.26	7.97	36.00	28.03
	40	-	35.889	0.64	0.56	1.20	0.79	28.71	27.92	3.43	3.00	6.43	8.08	36.00	27.92
	44	-	37.142	0.58	0.51	1.09	0.38	28.71	28.33	3.11	2.74	5.85	7.67	36.00	28.33

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 Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5510	37	0.00	-29.13	5.83	19.89	7.29	-3.41	3.88	-23.82	0.80	19.95	7.29	-3.07	4.22
	40	0.00	-28.66	5.83	19.89	7.29	-2.94	4.35	-23.29	0.80	19.95	7.29	-2.54	4.75
	44	0.00	-28.60	5.83	19.89	7.29	-2.88	4.41	-23.58	0.80	19.95	7.29	-2.83	4.46
5550	37	0.00	-28.47	5.84	19.89	7.29	-2.74	4.55	-23.50	0.80	19.95	7.29	-2.75	4.54
	40	0.00	-28.23	5.84	19.89	7.29	-2.50	4.79	-23.01	0.80	19.95	7.29	-2.26	5.03
	44	0.00	-28.41	5.84	19.89	7.29	-2.68	4.61	-23.35	0.80	19.95	7.29	-2.60	4.69
5670	37	0.00	-27.95	5.84	19.88	7.29	-2.23	5.06	-23.27	0.80	19.95	7.29	-2.52	4.77
	40	0.00	-27.35	5.84	19.88	7.29	-1.63	5.66	-22.95	0.80	19.95	7.29	-2.20	5.09
	44	0.00	-27.95	5.84	19.88	7.29	-2.23	5.06	-23.44	0.80	19.95	7.29	-2.69	4.60
5710	37	0.00	-27.90	5.84	19.88	7.29	-2.18	5.11	-23.44	0.80	19.95	7.29	-2.69	4.60
	40	0.00	-27.69	5.84	19.88	7.29	-1.97	5.32	-23.15	0.80	19.95	7.29	-2.40	4.89
	44	0.00	-27.95	5.84	19.88	7.29	-2.23	5.06	-23.66	0.80	19.95	7.29	-2.91	4.38
5755	37	0.00	-27.64	5.84	19.88	7.29	-1.92	5.37	-23.80	0.80	19.95	7.29	-3.05	4.24
	40	0.00	-27.54	5.84	19.88	7.29	-1.82	5.47	-23.37	0.80	19.95	7.29	-2.62	4.67
	44	0.00	-27.54	5.84	19.88	7.29	-1.82	5.47	-23.74	0.80	19.95	7.29	-2.99	4.30
5795	37	0.00	-27.49	5.83	19.87	7.29	-1.79	5.50	-23.70	0.80	19.95	7.29	-2.95	4.34
	40	0.00	-27.64	5.83	19.87	7.29	-1.94	5.35	-23.27	0.80	19.95	7.29	-2.52	4.77
	44	0.00	-28.06	5.83	19.87	7.29	-2.36	4.93	-23.66	0.80	19.95	7.29	-2.91	4.38

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 19, 2020
Temperature / Humidity 25 deg. C / 35 % RH
Engineer Yuta Moriya
Mode Tx 11ax-40 (52-tone RU) (Low Power Setting)

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]
5270	37	39.093	36.833	0.41	0.33	0.74	-1.29	22.68	23.97	2.22	1.75	3.98	6.00	29.97	23.97
	40	37.972	35.676	0.46	0.36	0.82	-0.85	22.68	23.53	2.46	1.94	4.40	6.44	29.97	23.53
	44	39.264	37.146	0.41	0.33	0.74	-1.30	22.68	23.98	2.18	1.79	3.97	5.99	29.97	23.98
5310	37	38.995	36.912	0.40	0.34	0.74	-1.32	22.68	24.00	2.13	1.82	3.95	5.97	29.97	24.00
	40	37.988	35.693	0.44	0.38	0.82	-0.87	22.68	23.55	2.37	2.02	4.39	6.42	29.97	23.55
	44	39.248	36.968	0.40	0.35	0.75	-1.26	22.68	23.94	2.14	1.87	4.01	6.03	29.97	23.94

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 [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result [dBm]
5270	37	0.00	-29.50	5.88	19.80	7.29	-3.82	3.47	-25.52	0.70	19.97	7.29	-4.85	2.44
	40	0.00	-29.06	5.88	19.80	7.29	-3.38	3.91	-25.08	0.70	19.97	7.29	-4.41	2.88
	44	0.00	-29.58	5.88	19.80	7.29	-3.90	3.39	-25.44	0.70	19.97	7.29	-4.77	2.52
5310	37	0.00	-29.66	5.85	19.80	7.29	-4.01	3.28	-25.34	0.70	19.96	7.29	-4.68	2.61
	40	0.00	-29.20	5.85	19.80	7.29	-3.55	3.74	-24.89	0.70	19.96	7.29	-4.23	3.06
	44	0.00	-29.64	5.85	19.80	7.29	-3.99	3.30	-25.22	0.70	19.96	7.29	-4.56	2.73

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 19, 2020
Temperature / Humidity 25 deg. C / 35 % RH
Engineer Yuta Moriya
Mode Tx 11ax-40 (52-tone RU) (Low Power Setting)

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	37	39.025	37.039	0.34	0.38	0.71	-1.47	22.68	24.15	1.80	2.01	3.82	5.82	29.97	24.15
	40	38.070	35.851	0.35	0.43	0.78	-1.08	22.68	23.76	1.89	2.29	4.17	6.21	29.97	23.76
	44	39.140	36.895	0.37	0.40	0.77	-1.12	22.68	23.80	1.97	2.17	4.14	6.17	29.97	23.80
5550	37	39.109	37.016	0.39	0.42	0.81	-0.92	22.68	23.60	2.07	2.26	4.33	6.37	29.97	23.60
	40	38.134	35.842	0.40	0.47	0.87	-0.60	22.68	23.28	2.15	2.52	4.67	6.69	29.97	23.28
	44	39.274	36.931	0.38	0.43	0.81	-0.90	22.68	23.58	2.03	2.33	4.36	6.39	29.97	23.58
5670	37	39.035	36.958	0.43	0.42	0.85	-0.73	22.68	23.41	2.29	2.24	4.53	6.56	29.97	23.41
	40	37.880	35.824	0.47	0.46	0.93	-0.32	22.68	23.00	2.52	2.45	4.97	6.97	29.97	23.00
	44	38.814	37.008	0.44	0.41	0.85	-0.71	22.68	23.39	2.36	2.19	4.55	6.58	29.97	23.39
5710	37	39.162	36.929	0.42	0.40	0.83	-0.81	22.68	23.49	2.28	2.17	4.44	6.48	29.97	23.49
	40	38.021	35.782	0.45	0.45	0.90	-0.48	22.68	23.16	2.40	2.40	4.80	6.81	29.97	23.16
	44	39.266	36.951	0.43	0.40	0.83	-0.80	22.68	23.48	2.32	2.14	4.46	6.49	29.97	23.48
5755	37	-	36.909	0.20	0.15	0.35	-4.51	28.71	33.22	1.08	0.82	1.90	2.78	36.00	33.22
	40	-	35.810	0.19	0.16	0.36	-4.46	28.71	33.17	1.04	0.88	1.92	2.83	36.00	33.17
	44	-	36.945	0.19	0.15	0.35	-4.60	28.71	33.31	1.04	0.82	1.86	2.69	36.00	33.31
5795	37	-	36.924	0.20	0.16	0.36	-4.45	28.71	33.16	1.07	0.85	1.92	2.84	36.00	33.16
	40	-	35.889	0.20	0.17	0.37	-4.31	28.71	33.02	1.07	0.91	1.99	2.98	36.00	33.02
	44	-	37.142	0.18	0.16	0.34	-4.71	28.71	33.42	0.96	0.85	1.81	2.58	36.00	33.42

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]
5510	37	0.00	-30.37	5.83	19.81	7.29	-4.73	2.56	-25.00	0.80	19.95	7.29	-4.25	3.04
	40	0.00	-30.17	5.83	19.81	7.29	-4.53	2.76	-24.45	0.80	19.95	7.29	-3.70	3.59
	44	0.00	-29.99	5.83	19.81	7.29	-4.35	2.94	-24.68	0.80	19.95	7.29	-3.93	3.36
5550	37	0.00	-29.82	5.84	19.85	7.29	-4.13	3.16	-24.53	0.80	19.99	7.29	-3.74	3.55
	40	0.00	-29.66	5.84	19.85	7.29	-3.97	3.32	-24.06	0.80	19.99	7.29	-3.27	4.02
	44	0.00	-29.91	5.84	19.85	7.29	-4.22	3.07	-24.41	0.80	19.99	7.29	-3.62	3.67
5670	37	0.00	-29.42	5.84	19.88	7.29	-3.70	3.59	-24.60	0.80	20.02	7.29	-3.78	3.51
	40	0.00	-28.99	5.84	19.88	7.29	-3.27	4.02	-24.22	0.80	20.02	7.29	-3.40	3.89
	44	0.00	-29.28	5.84	19.88	7.29	-3.56	3.73	-24.70	0.80	20.02	7.29	-3.88	3.41
5710	37	0.00	-29.43	5.84	19.87	7.29	-3.72	3.57	-24.73	0.80	20.00	7.29	-3.93	3.36
	40	0.00	-29.20	5.84	19.87	7.29	-3.49	3.80	-24.29	0.80	20.00	7.29	-3.49	3.80
	44	0.00	-29.35	5.84	19.87	7.29	-3.64	3.65	-24.79	0.80	20.00	7.29	-3.99	3.30
5755	37	0.00	-32.67	5.84	19.87	7.29	-6.96	0.33	-28.92	0.80	19.95	7.29	-8.17	-0.88
	40	0.00	-32.83	5.84	19.87	7.29	-7.12	0.17	-28.60	0.80	19.95	7.29	-7.85	-0.56
	44	0.00	-32.83	5.84	19.87	7.29	-7.12	0.17	-28.92	0.80	19.95	7.29	-8.17	-0.88
5795	37	0.00	-32.67	5.83	19.86	7.29	-6.98	0.31	-28.79	0.80	19.99	7.29	-8.00	-0.71
	40	0.00	-32.67	5.83	19.86	7.29	-6.98	0.31	-28.47	0.80	19.99	7.29	-7.68	-0.39
	44	0.00	-33.14	5.83	19.86	7.29	-7.45	-0.16	-28.79	0.80	19.99	7.29	-8.00	-0.71

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 worst antenna gain was applied for e.i.r.p.

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

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 20 deg. C / 30 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (106-tone RU) (High Power Setting)

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]
5190	53	-	36.748	0.80	0.59	1.39	1.42	22.68	21.26	4.27	3.16	7.43	8.71	29.97	21.26
	54	-	35.881	0.88	0.67	1.55	1.90	22.68	20.78	4.71	3.60	8.31	9.19	29.97	20.78
	56	-	36.716	0.83	0.62	1.44	1.59	22.68	21.09	4.43	3.30	7.73	8.88	29.97	21.09
5230	53	-	36.681	0.82	0.63	1.45	1.62	22.68	21.06	4.40	3.39	7.78	8.91	29.97	21.06
	54	-	35.932	0.90	0.70	1.60	2.04	22.68	20.64	4.80	3.78	8.57	9.33	29.97	20.64
	56	-	36.800	0.78	0.65	1.44	1.57	22.68	21.11	4.20	3.50	7.70	8.86	29.97	21.11
5270	53	39.156	36.654	1.14	0.94	2.08	3.18	22.68	19.50	6.11	5.04	11.14	10.47	29.97	19.50
	54	38.164	35.679	1.27	1.06	2.33	3.67	22.68	19.01	6.81	5.66	12.47	10.96	29.97	19.01
	56	39.527	36.782	1.06	0.97	2.03	3.07	22.68	19.61	5.68	5.19	10.86	10.36	29.97	19.61
5310	53	39.184	36.695	1.04	0.98	2.03	3.07	22.68	19.61	5.60	5.27	10.87	10.36	29.97	19.61
	54	38.077	35.773	1.19	1.10	2.30	3.61	22.68	19.07	6.40	5.90	12.30	10.90	29.97	19.07
	56	39.371	36.662	1.07	1.00	2.07	3.17	22.68	19.51	5.75	5.36	11.11	10.46	29.97	19.51

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]
5190	53	0.00	-26.77	5.93	19.85	7.29	-0.99	6.30	-22.92	0.70	19.93	7.29	-2.29	5.00
	54	0.00	-26.34	5.93	19.85	7.29	-0.56	6.73	-22.36	0.70	19.93	7.29	-1.73	5.56
	56	0.00	-26.61	5.93	19.85	7.29	-0.83	6.46	-22.73	0.70	19.93	7.29	-2.10	5.19
5230	53	0.00	-26.61	5.90	19.85	7.29	-0.86	6.43	-22.62	0.70	19.93	7.29	-1.99	5.30
	54	0.00	-26.23	5.90	19.85	7.29	-0.48	6.81	-22.15	0.70	19.93	7.29	-1.52	5.77
	56	0.00	-26.81	5.90	19.85	7.29	-1.06	6.23	-22.48	0.70	19.93	7.29	-1.85	5.44
5270	53	0.00	-25.17	5.88	19.86	7.29	0.57	7.86	-20.90	0.70	19.93	7.29	-0.27	7.02
	54	0.00	-24.70	5.88	19.86	7.29	1.04	8.33	-20.39	0.70	19.93	7.29	0.24	7.53
	56	0.00	-25.49	5.88	19.86	7.29	0.25	7.54	-20.77	0.70	19.93	7.29	-0.14	7.15
5310	53	0.00	-25.52	5.85	19.86	7.29	0.19	7.48	-20.70	0.70	19.93	7.29	-0.07	7.22
	54	0.00	-24.94	5.85	19.86	7.29	0.77	8.06	-20.21	0.70	19.93	7.29	0.42	7.71
	56	0.00	-25.40	5.85	19.86	7.29	0.31	7.60	-20.63	0.70	19.93	7.29	0.00	7.29

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 20 deg. C / 30 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (106-tone RU) (High Power Setting)

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]
5510	53	39.232	36.834	0.91	1.01	1.92	2.84	22.68	19.84	4.89	5.42	10.31	10.13	29.97	19.84
	54	38.369	35.961	1.05	1.15	2.20	3.43	22.68	19.25	5.61	6.18	11.79	10.72	29.97	19.25
	56	39.389	36.671	1.04	1.07	2.11	3.25	22.68	19.43	5.57	5.74	11.31	10.54	29.97	19.43
5550	53	39.111	36.711	1.04	1.09	2.13	3.29	22.68	19.39	5.58	5.83	11.42	10.58	29.97	19.39
	54	38.237	35.945	1.13	1.23	2.36	3.73	22.68	18.95	6.07	6.58	12.64	11.02	29.97	18.95
	56	39.400	36.708	1.07	1.12	2.19	3.40	22.68	19.28	5.74	5.98	11.73	10.69	29.97	19.28
5670	53	39.278	36.658	1.19	1.14	2.32	3.66	22.68	19.02	6.37	6.08	12.45	10.95	29.97	19.02
	54	38.178	35.877	1.34	1.26	2.60	4.14	22.68	18.54	7.18	6.73	13.91	11.43	29.97	18.54
	56	39.427	36.742	1.19	1.11	2.30	3.61	22.68	19.07	6.37	5.93	12.30	10.90	29.97	19.07
5710	53	39.184	36.735	1.16	1.09	2.25	3.51	22.68	19.17	6.21	5.82	12.03	10.80	29.97	19.17
	54	38.138	35.782	1.28	1.19	2.47	3.93	22.68	18.75	6.85	6.40	13.25	11.22	29.97	18.75
	56	39.437	36.759	1.17	1.05	2.22	3.47	22.68	19.21	6.28	5.62	11.90	10.76	29.97	19.21
5755	53	-	36.699	1.18	0.99	2.17	3.36	28.71	25.35	6.32	5.30	11.62	10.65	36.00	25.35
	54	-	35.882	1.26	1.10	2.37	3.75	28.71	24.96	6.78	5.92	12.69	11.04	36.00	24.96
	56	-	36.719	1.23	1.00	2.23	3.48	28.71	25.23	6.61	5.35	11.95	10.77	36.00	25.23
5795	53	-	36.765	1.20	1.00	2.20	3.42	28.71	25.29	6.41	5.37	11.78	10.71	36.00	25.29
	54	-	35.908	1.24	1.12	2.36	3.73	28.71	24.98	6.62	6.03	12.65	11.02	36.00	24.98
	56	-	36.784	1.08	1.01	2.09	3.20	28.71	25.51	5.78	5.42	11.20	10.49	36.00	25.51

Antenna 1														
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Antenna 1					Result		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]	Result Cond. Power [dBm]
5510	53	0.00	-26.12	5.83	19.89	7.29	-0.40	6.89	-20.70	0.80	19.95	7.29	0.05	7.34
	54	0.00	-25.52	5.83	19.89	7.29	0.20	7.49	-20.13	0.80	19.95	7.29	0.62	7.91
	56	0.00	-25.55	5.83	19.89	7.29	0.17	7.46	-20.45	0.80	19.95	7.29	0.30	7.59
5550	53	0.00	-25.55	5.84	19.89	7.29	0.18	7.47	-20.38	0.80	19.95	7.29	0.37	7.66
	54	0.00	-25.19	5.84	19.89	7.29	0.54	7.83	-19.86	0.80	19.95	7.29	0.89	8.18
	56	0.00	-25.43	5.84	19.89	7.29	0.30	7.59	-20.27	0.80	19.95	7.29	0.48	7.77
5670	53	0.00	-24.97	5.84	19.88	7.29	0.75	8.04	-20.20	0.80	19.95	7.29	0.55	7.84
	54	0.00	-24.45	5.84	19.88	7.29	1.27	8.56	-19.76	0.80	19.95	7.29	0.99	8.28
	56	0.00	-24.97	5.84	19.88	7.29	0.75	8.04	-20.31	0.80	19.95	7.29	0.44	7.73
5710	53	0.00	-25.08	5.84	19.88	7.29	0.64	7.93	-20.39	0.80	19.95	7.29	0.36	7.65
	54	0.00	-24.65	5.84	19.88	7.29	1.07	8.36	-19.98	0.80	19.95	7.29	0.77	8.06
	56	0.00	-25.03	5.84	19.88	7.29	0.69	7.98	-20.54	0.80	19.95	7.29	0.21	7.50
5755	53	0.00	-25.00	5.84	19.88	7.29	0.72	8.01	-20.80	0.80	19.95	7.29	-0.05	7.24
	54	0.00	-24.70	5.84	19.88	7.29	1.02	8.31	-20.32	0.80	19.95	7.29	0.43	7.72
	56	0.00	-24.81	5.84	19.88	7.29	0.91	8.20	-20.76	0.80	19.95	7.29	-0.01	7.28
5795	53	0.00	-24.92	5.83	19.87	7.29	0.78	8.07	-20.74	0.80	19.95	7.29	0.01	7.30
	54	0.00	-24.78	5.83	19.87	7.29	0.92	8.21	-20.24	0.80	19.95	7.29	0.51	7.80
	56	0.00	-25.37	5.83	19.87	7.29	0.33	7.62	-20.70	0.80	19.95	7.29	0.05	7.34

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 worst antenna gain was applied for e.i.r.p.

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. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 20, 2020
Temperature / Humidity 22 deg. C / 53 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (106-tone RU) (Low Power Setting)

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]
5270	53	39.156	36.654	0.90	0.74	1.64	2.15	22.68	20.53	4.80	3.99	8.79	9.44	29.97	20.53
	54	38.164	35.679	1.07	0.86	1.93	2.85	22.68	19.83	5.71	4.61	10.33	10.14	29.97	19.83
	56	39.527	36.782	0.92	0.79	1.71	2.34	22.68	20.34	4.93	4.26	9.19	9.63	29.97	20.34
5310	53	39.184	36.695	0.87	0.80	1.68	2.24	22.68	20.44	4.69	4.30	8.98	9.53	29.97	20.44
	54	38.077	35.773	1.00	0.90	1.90	2.79	22.68	19.89	5.36	4.83	10.19	10.08	29.97	19.89
	56	39.371	36.662	0.92	0.82	1.74	2.40	22.68	20.28	4.93	4.39	9.32	9.69	29.97	20.28

			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]
5270	53	0.00	-26.16	5.88	19.80	7.29	-0.48	6.81	-21.95	0.70	19.97	7.29	-1.28	6.01
	54	0.00	-25.40	5.88	19.80	7.29	0.28	7.57	-21.32	0.70	19.97	7.29	-0.65	6.64
	56	0.00	-26.04	5.88	19.80	7.29	-0.36	6.93	-21.67	0.70	19.97	7.29	-1.00	6.29
5310	53	0.00	-26.23	5.85	19.80	7.29	-0.58	6.71	-21.62	0.70	19.96	7.29	-0.96	6.33
	54	0.00	-25.65	5.85	19.80	7.29	0.00	7.29	-21.11	0.70	19.96	7.29	-0.45	6.84
	56	0.00	-26.01	5.85	19.80	7.29	-0.36	6.93	-21.53	0.70	19.96	7.29	-0.87	6.42

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 worst antenna gain was applied for e.i.r.p.

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. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 20, 2020
Temperature / Humidity 22 deg. C / 53 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (106-tone RU) (Low Power Setting)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	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	3	Sum				1	3	Sum					
[MHz]				[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	
5510	53	39.232	36.834	0.73	0.83	1.56	1.93	22.68	20.75		3.91	4.46	8.36	9.22	29.97	20.75	
	54	38.369	35.961	0.81	0.95	1.76	2.44	22.68	20.24		4.33	5.08	9.41	9.73	29.97	20.24	
	56	39.389	36.671	0.83	0.90	1.73	2.37	22.68	20.31		4.45	4.80	9.24	9.66	29.97	20.31	
5550	53	39.111	36.711	0.88	0.92	1.80	2.56	22.68	20.12		4.70	4.95	9.65	9.85	29.97	20.12	
	54	38.237	35.945	0.94	1.05	2.00	3.00	22.68	19.68		5.05	5.65	10.70	10.29	29.97	19.68	
	56	39.400	36.708	0.86	0.96	1.82	2.60	22.68	20.08		4.61	5.14	9.75	9.89	29.97	20.08	
5670	53	39.278	36.658	0.94	0.94	1.88	2.74	22.68	19.94		5.05	5.01	10.06	10.03	29.97	19.94	
	54	38.178	35.877	1.08	1.04	2.11	3.25	22.68	19.43		5.77	5.56	11.33	10.54	29.97	19.43	
	56	39.427	36.742	1.00	0.92	1.93	2.85	22.68	19.83		5.37	4.95	10.32	10.14	29.97	19.83	
5710	53	39.184	36.735	0.95	0.89	1.84	2.65	22.68	20.03		5.07	4.79	9.86	9.94	29.97	20.03	
	54	38.138	35.782	1.03	0.99	2.02	3.05	22.68	19.63		5.52	5.30	10.82	10.34	29.97	19.63	
	56	39.437	36.759	0.96	0.86	1.83	2.62	22.68	20.06		5.15	4.63	9.79	9.91	29.97	20.06	
5755	53	-	36.699	0.42	0.31	0.73	-1.36	28.71	30.07		2.24	1.68	3.92	5.93	36.00	30.07	
	54	-	35.882	0.44	0.35	0.79	-1.01	28.71	29.72		2.36	1.89	4.24	6.28	36.00	29.72	
	56	-	36.719	0.41	0.31	0.72	-1.40	28.71	30.11		2.20	1.68	3.88	5.89	36.00	30.11	
5795	53	-	36.765	0.42	0.32	0.74	-1.32	28.71	30.03		2.23	1.73	3.95	5.97	36.00	30.03	
	54	-	35.908	0.43	0.36	0.79	-1.02	28.71	29.73		2.31	1.93	4.24	6.27	36.00	29.73	
	56	-	36.784	0.38	0.32	0.71	-1.51	28.71	30.22		2.05	1.74	3.78	5.78	36.00	30.22	

			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]
5510	53	0.00	-27.01	5.83	19.81	7.29	-1.37	5.92	-21.55	0.80	19.95	7.29	-0.80	6.49
	54	0.00	-26.57	5.83	19.81	7.29	-0.93	6.36	-20.98	0.80	19.95	7.29	-0.23	7.06
	56	0.00	-26.45	5.83	19.81	7.29	-0.81	6.48	-21.23	0.80	19.95	7.29	-0.48	6.81
5550	53	0.00	-26.26	5.84	19.85	7.29	-0.57	6.72	-21.13	0.80	19.99	7.29	-0.34	6.95
	54	0.00	-25.95	5.84	19.85	7.29	-0.26	7.03	-20.56	0.80	19.99	7.29	0.23	7.52
	56	0.00	-26.34	5.84	19.85	7.29	-0.65	6.64	-20.97	0.80	19.99	7.29	-0.18	7.11
5670	53	0.00	-25.98	5.84	19.88	7.29	-0.26	7.03	-21.11	0.80	20.02	7.29	-0.29	7.00
	54	0.00	-25.40	5.84	19.88	7.29	0.32	7.61	-20.66	0.80	20.02	7.29	0.16	7.45
	56	0.00	-25.71	5.84	19.88	7.29	0.01	7.30	-21.16	0.80	20.02	7.29	-0.34	6.95
5710	53	0.00	-25.95	5.84	19.87	7.29	-0.24	7.05	-21.29	0.80	20.00	7.29	-0.49	6.80
	54	0.00	-25.58	5.84	19.87	7.29	0.13	7.42	-20.85	0.80	20.00	7.29	-0.05	7.24
	56	0.00	-25.88	5.84	19.87	7.29	-0.17	7.12	-21.43	0.80	20.00	7.29	-0.63	6.66
5755	53	0.00	-29.50	5.84	19.87	7.29	-3.79	3.50	-25.78	0.80	19.95	7.29	-5.03	2.26
	54	0.00	-29.28	5.84	19.87	7.29	-3.57	3.72	-25.28	0.80	19.95	7.29	-4.53	2.76
	56	0.00	-29.58	5.84	19.87	7.29	-3.87	3.42	-25.78	0.80	19.95	7.29	-5.03	2.26
5795	53	0.00	-29.50	5.83	19.86	7.29	-3.81	3.48	-25.71	0.80	19.99	7.29	-4.92	2.37
	54	0.00	-29.35	5.83	19.86	7.29	-3.66	3.63	-25.22	0.80	19.99	7.29	-4.43	2.86
	56	0.00	-29.87	5.83	19.86	7.29	-4.18	3.11	-25.68	0.80	19.99	7.29	-4.89	2.40

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 20 deg. C / 30 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (242-tone RU) (High Power Setting)

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	61	-	36.557	2.15	1.61	3.75	5.75	22.68	16.93		11.51	8.61	20.12	13.04	29.97	16.93	
	62	-	36.618	2.15	1.63	3.78	5.78	22.68	16.90		11.53	8.73	20.26	13.07	29.97	16.90	
5230	61	-	36.546	2.14	1.67	3.81	5.81	22.68	16.87		11.46	8.95	20.41	13.10	29.97	16.87	
	62	-	36.635	2.09	1.75	3.84	5.84	22.68	16.84		11.22	9.35	20.57	13.13	29.97	16.84	
5270	61	39.623	36.513	2.90	2.39	5.30	7.24	22.68	15.44		15.56	12.82	28.38	14.53	29.97	15.44	
	62	39.896	36.622	2.65	2.39	5.04	7.03	22.68	15.65		14.22	12.79	27.02	14.32	29.97	15.65	
5310	61	39.528	36.434	2.72	2.55	5.27	7.22	22.68	15.46		14.55	13.68	28.23	14.51	29.97	15.46	
	62	39.763	36.560	2.77	2.56	5.33	7.27	22.68	15.41		14.83	13.74	28.57	14.56	29.97	15.41	
5510	61	39.678	36.609	2.46	2.55	5.01	7.00	22.68	15.68		13.18	13.68	26.86	14.29	29.97	15.68	
	62	39.711	36.550	2.69	2.67	5.35	7.29	22.68	15.39		14.39	14.29	28.68	14.58	29.97	15.39	
5550	61	39.719	36.593	2.75	2.75	5.50	7.40	22.68	15.28		14.72	14.72	29.45	14.69	29.97	15.28	
	62	39.986	36.577	2.84	2.83	5.67	7.54	22.68	15.14		15.21	15.17	30.38	14.83	29.97	15.14	
5670	61	39.839	36.453	3.18	2.81	5.99	7.77	22.68	14.91		17.06	15.03	32.09	15.06	29.97	14.91	
	62	39.760	36.573	3.18	2.67	5.84	7.67	22.68	15.01		17.02	14.29	31.31	14.96	29.97	15.01	
5710	61	39.737	36.527	2.97	2.61	5.58	7.47	22.68	15.21		15.92	14.00	29.92	14.76	29.97	15.21	
	62	39.737	36.554	3.09	2.60	5.69	7.55	22.68	15.13		16.56	13.93	30.49	14.84	29.97	15.13	
5755	61	-	36.574	3.08	2.64	5.72	7.57	28.71	21.14		16.52	14.13	30.64	14.86	36.00	21.14	
	62	-	36.582	3.24	2.69	5.93	7.73	28.71	20.98		17.38	14.39	31.77	15.02	36.00	20.98	
5795	61	-	36.530	3.06	2.67	5.73	7.59	28.71	21.12		16.41	14.32	30.73	14.88	36.00	21.12	
	62	-	36.680	2.87	2.74	5.61	7.49	28.71	21.22		15.38	14.69	30.07	14.78	36.00	21.22	

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]
5190	61	0.00	-22.46	5.93	19.85	7.29	3.32	10.61	-18.57	0.70	19.93	7.29	2.06	9.35
	62	0.00	-22.45	5.93	19.85	7.29	3.33	10.62	-18.51	0.70	19.93	7.29	2.12	9.41
5230	61	0.00	-22.45	5.90	19.85	7.29	3.30	10.59	-18.40	0.70	19.93	7.29	2.23	9.52
	62	0.00	-22.54	5.90	19.85	7.29	3.21	10.50	-18.21	0.70	19.93	7.29	2.42	9.71
5270	61	0.00	-21.11	5.88	19.86	7.29	4.63	11.92	-16.84	0.70	19.93	7.29	3.79	11.08
	62	0.00	-21.50	5.88	19.86	7.29	4.24	11.53	-16.85	0.70	19.93	7.29	3.78	11.07
5310	61	0.00	-21.37	5.85	19.86	7.29	4.34	11.63	-16.56	0.70	19.93	7.29	4.07	11.36
	62	0.00	-21.29	5.85	19.86	7.29	4.42	11.71	-16.54	0.70	19.93	7.29	4.09	11.38
5510	61	0.00	-21.81	5.83	19.89	7.29	3.91	11.20	-16.68	0.80	19.95	7.29	4.07	11.36
	62	0.00	-21.43	5.83	19.89	7.29	4.29	11.58	-16.49	0.80	19.95	7.29	4.26	11.55
5550	61	0.00	-21.34	5.84	19.89	7.29	4.39	11.68	-16.36	0.80	19.95	7.29	4.39	11.68
	62	0.00	-21.20	5.84	19.89	7.29	4.53	11.82	-16.23	0.80	19.95	7.29	4.52	11.81
5670	61	0.00	-20.69	5.84	19.88	7.29	5.03	12.32	-16.27	0.80	19.95	7.29	4.48	11.77
	62	0.00	-20.70	5.84	19.88	7.29	5.02	12.31	-16.49	0.80	19.95	7.29	4.26	11.55
5710	61	0.00	-20.99	5.84	19.88	7.29	4.73	12.02	-16.58	0.80	19.95	7.29	4.17	11.46
	62	0.00	-20.82	5.84	19.88	7.29	4.90	12.19	-16.60	0.80	19.95	7.29	4.15	11.44
5755	61	0.00	-20.83	5.84	19.88	7.29	4.89	12.18	-16.54	0.80	19.95	7.29	4.21	11.50
	62	0.00	-20.61	5.84	19.88	7.29	5.11	12.40	-16.46	0.80	19.95	7.29	4.29	11.58
5795	61	0.00	-20.84	5.83	19.87	7.29	4.86	12.15	-16.48	0.80	19.95	7.29	4.27	11.56
	62	0.00	-21.12	5.83	19.87	7.29	4.58	11.87	-16.37	0.80	19.95	7.29	4.38	11.67

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 20, 2020
Temperature / Humidity 22 deg. C / 53 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (242-tone RU) (Low Power Setting)

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]			
5270	61	39.623	36.513	2.22	1.82	4.04	6.06	22.68	16.62	11.91	9.73	21.64	13.35	29.97	16.62
	62	39.896	36.622	2.11	1.84	3.95	5.97	22.68	16.71	11.32	9.84	21.16	13.26	29.97	16.71
5310	61	39.528	36.434	2.08	1.90	3.98	6.00	22.68	16.68	11.14	10.19	21.33	13.29	29.97	16.68
	62	39.763	36.560	2.16	1.90	4.06	6.08	22.68	16.60	11.59	10.16	21.75	13.37	29.97	16.60
5510	61	39.678	36.609	1.69	1.98	3.68	5.65	22.68	17.03	9.08	10.62	19.70	12.94	29.97	17.03
	62	39.711	36.550	1.85	2.07	3.91	5.93	22.68	16.75	9.91	11.07	20.97	13.22	29.97	16.75
5550	61	39.719	36.593	2.03	2.24	4.28	6.31	22.68	16.37	10.89	12.02	22.91	13.60	29.97	16.37
	62	39.986	36.577	1.98	2.24	4.22	6.25	22.68	16.43	10.59	12.02	22.62	13.54	29.97	16.43
5670	61	39.839	36.453	2.23	2.21	4.45	6.48	22.68	16.20	11.97	11.86	23.83	13.77	29.97	16.20
	62	39.760	36.573	2.36	2.14	4.50	6.53	22.68	16.15	12.65	11.46	24.10	13.82	29.97	16.15
5710	61	39.737	36.527	2.20	2.08	4.29	6.32	22.68	16.36	11.80	11.17	22.97	13.61	29.97	16.36
	62	39.737	36.554	2.21	2.00	4.22	6.25	22.68	16.43	11.86	10.74	22.60	13.54	29.97	16.43
5755	61	-	36.574	0.84	0.65	1.49	1.75	28.71	26.96	4.52	3.49	8.01	9.04	36.00	26.96
	62	-	36.582	0.86	0.67	1.52	1.83	28.71	26.88	4.59	3.57	8.16	9.12	36.00	26.88
5795	61	-	36.530	0.86	0.68	1.54	1.88	28.71	26.83	4.61	3.66	8.27	9.17	36.00	26.83
	62	-	36.680	0.79	0.69	1.48	1.70	28.71	27.01	4.22	3.71	7.92	8.99	36.00	27.01

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]
5270	61	0.00	-22.21	5.88	19.80	7.29	3.47	10.76	-18.08	0.70	19.97	7.29	2.59	9.88
	62	0.00	-22.43	5.88	19.80	7.29	3.25	10.54	-18.03	0.70	19.97	7.29	2.64	9.93
5310	61	0.00	-22.47	5.85	19.80	7.29	3.18	10.47	-17.87	0.70	19.96	7.29	2.79	10.08
	62	0.00	-22.30	5.85	19.80	7.29	3.35	10.64	-17.88	0.70	19.96	7.29	2.78	10.07
5510	61	0.00	-23.35	5.83	19.81	7.29	2.29	9.58	-17.78	0.80	19.95	7.29	2.97	10.26
	62	0.00	-22.97	5.83	19.81	7.29	2.67	9.96	-17.60	0.80	19.95	7.29	3.15	10.44
5550	61	0.00	-22.61	5.84	19.85	7.29	3.08	10.37	-17.28	0.80	19.99	7.29	3.51	10.80
	62	0.00	-22.73	5.84	19.85	7.29	2.96	10.25	-17.28	0.80	19.99	7.29	3.51	10.80
5670	61	0.00	-22.23	5.84	19.88	7.29	3.49	10.78	-17.37	0.80	20.02	7.29	3.45	10.74
	62	0.00	-21.99	5.84	19.88	7.29	3.73	11.02	-17.52	0.80	20.02	7.29	3.30	10.59
5710	61	0.00	-22.28	5.84	19.87	7.29	3.43	10.72	-17.61	0.80	20.00	7.29	3.19	10.48
	62	0.00	-22.26	5.84	19.87	7.29	3.45	10.74	-17.78	0.80	20.00	7.29	3.02	10.31
5755	61	0.00	-26.45	5.84	19.87	7.29	-0.74	6.55	-22.61	0.80	19.95	7.29	-1.86	5.43
	62	0.00	-26.38	5.84	19.87	7.29	-0.67	6.62	-22.51	0.80	19.95	7.29	-1.76	5.53
5795	61	0.00	-26.34	5.83	19.86	7.29	-0.65	6.64	-22.45	0.80	19.99	7.29	-1.66	5.63
	62	0.00	-26.73	5.83	19.86	7.29	-1.04	6.25	-22.39	0.80	19.99	7.29	-1.60	5.69

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 20 deg. C / 30 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (484-tone RU) (High Power Setting)

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
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	37.623	3.74	2.81	6.55	8.16	22.68	14.52	20.04	15.07	35.11	15.45	29.97	14.52
5230	-	37.640	3.88	3.05	6.94	8.41	22.68	14.27	20.80	16.37	37.17	15.70	29.97	14.27
5270	40.347	37.566	5.36	4.52	9.88	9.95	22.68	12.73	28.71	24.21	52.92	17.24	29.97	12.73
5310	39.686	37.506	5.15	4.65	9.80	9.91	22.68	12.77	27.61	24.89	52.49	17.20	29.97	12.77
5510	40.423	37.582	4.79	5.11	9.89	9.95	22.68	12.73	25.64	27.35	53.00	17.24	29.97	12.73
5550	40.483	37.606	5.21	5.37	10.58	10.25	22.68	12.43	27.93	28.77	56.70	17.54	29.97	12.43
5670	40.518	37.574	5.79	5.22	11.02	10.42	22.68	12.26	31.05	27.99	59.04	17.71	29.97	12.26
5710	40.461	37.527	5.57	4.93	10.50	10.21	22.68	12.47	29.85	26.42	56.28	17.50	29.97	12.47
5755	-	37.588	5.90	5.13	11.03	10.43	28.71	18.28	31.62	27.48	59.10	17.72	36.00	18.28
5795	-	37.654	5.58	5.16	10.75	10.31	28.71	18.40	29.92	27.67	57.59	17.60	36.00	18.40

		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 [dBm]	e.i.r.p. [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5190	0.00	-20.05	5.93	19.85	7.29	5.73	13.02	-16.14	0.70	19.93	7.29	4.49	11.78
5230	0.00	-19.86	5.90	19.85	7.29	5.89	13.18	-15.78	0.70	19.93	7.29	4.85	12.14
5270	0.00	-18.45	5.88	19.86	7.29	7.29	14.58	-14.08	0.70	19.93	7.29	6.55	13.84
5310	0.00	-18.59	5.85	19.86	7.29	7.12	14.41	-13.96	0.70	19.93	7.29	6.67	13.96
5510	0.00	-18.92	5.83	19.89	7.29	6.80	14.09	-13.67	0.80	19.95	7.29	7.08	14.37
5550	0.00	-18.56	5.84	19.89	7.29	7.17	14.46	-13.45	0.80	19.95	7.29	7.30	14.59
5670	0.00	-18.09	5.84	19.88	7.29	7.63	14.92	-13.57	0.80	19.95	7.29	7.18	14.47
5710	0.00	-18.26	5.84	19.88	7.29	7.46	14.75	-13.82	0.80	19.95	7.29	6.93	14.22
5755	0.00	-18.01	5.84	19.88	7.29	7.71	15.00	-13.65	0.80	19.95	7.29	7.10	14.39
5795	0.00	-18.23	5.83	19.87	7.29	7.47	14.76	-13.62	0.80	19.95	7.29	7.13	14.42

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) = 1 W

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 20, 2020
Temperature / Humidity 22 deg. C / 53 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (484-tone RU) (Low Power Setting)

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]
5270	40.347	37.566	4.06	3.41	7.48	8.74	22.68	13.94	21.78	18.28	40.06	16.03	29.97	13.94
5310	39.686	37.506	3.79	3.37	7.17	8.55	22.68	14.13	20.32	18.07	38.40	15.84	29.97	14.13
5510	40.423	37.582	3.52	3.83	7.35	8.66	22.68	14.02	18.88	20.51	39.39	15.95	29.97	14.02
5550	40.483	37.606	3.96	4.20	8.16	9.12	22.68	13.56	21.23	22.49	43.72	16.41	29.97	13.56
5670	40.518	37.574	4.52	4.06	8.57	9.33	22.68	13.35	24.21	21.73	45.94	16.62	29.97	13.35
5710	40.461	37.527	4.26	3.74	8.00	9.03	22.68	13.65	22.80	20.04	42.85	16.32	29.97	13.65
5755	-	37.588	1.94	1.62	3.56	5.52	28.71	23.19	10.40	8.69	19.09	12.81	36.00	23.19
5795	-	37.654	1.87	1.66	3.53	5.48	28.71	23.23	10.02	8.91	18.94	12.77	36.00	23.23

Antenna 1							Antenna 3						
Tested Frequency [MHz]	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]
5270	0.00	-19.59	5.88	19.80	7.29	6.09	13.38	-15.34	0.70	19.97	7.29	5.33	12.62
5310	0.00	-19.86	5.85	19.80	7.29	5.79	13.08	-15.38	0.70	19.96	7.29	5.28	12.57
5510	0.00	-20.17	5.83	19.81	7.29	5.47	12.76	-14.92	0.80	19.95	7.29	5.83	13.12
5550	0.00	-19.71	5.84	19.85	7.29	5.98	13.27	-14.56	0.80	19.99	7.29	6.23	13.52
5670	0.00	-19.17	5.84	19.88	7.29	6.55	13.84	-14.74	0.80	20.02	7.29	6.08	13.37
5710	0.00	-19.42	5.84	19.87	7.29	6.29	13.58	-15.07	0.80	20.00	7.29	5.73	13.02
5755	0.00	-22.83	5.84	19.87	7.29	2.88	10.17	-18.65	0.80	19.95	7.29	2.10	9.39
5795	0.00	-22.97	5.83	19.86	7.29	2.72	10.01	-18.58	0.80	19.99	7.29	2.21	9.50

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 19, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Akihiko Maeda
Mode Tx 11ac-80 (High Power Setting)

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	-	76.607	4.06	3.44	7.50	8.75	22.68	13.93	21.73	18.45	40.18	16.04	29.97	13.93
5290	81.622	76.494	5.40	5.35	10.74	10.31	22.68	12.37	28.91	28.64	57.55	17.60	29.97	12.37
5530	81.484	76.534	5.24	5.85	11.08	10.45	22.68	12.23	28.05	31.33	59.39	17.74	29.97	12.23
5610	81.857	76.626	5.74	6.12	11.86	10.74	22.68	11.94	30.76	32.81	63.57	18.03	29.97	11.94
5690	81.449	76.397	6.21	5.73	11.94	10.77	22.68	11.91	33.27	30.69	63.96	18.06	29.97	11.91
5775	-	76.392	5.73	6.27	11.99	10.79	28.71	17.92	30.69	33.57	64.26	18.08	36.00	17.92

		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	-4.68	0.70	10.06	7.29	6.08	13.37	-5.15	0.70	9.82	7.29	5.37	12.66
5290	0.00	-3.44	0.70	10.06	7.29	7.32	14.61	-3.24	0.70	9.82	7.29	7.28	14.57
5530	0.00	-3.66	0.80	10.05	7.29	7.19	14.48	-2.95	0.80	9.82	7.29	7.67	14.96
5610	0.00	-3.28	0.80	10.07	7.29	7.59	14.88	-2.77	0.80	9.84	7.29	7.87	15.16
5690	0.00	-2.94	0.80	10.07	7.29	7.93	15.22	-3.06	0.80	9.84	7.29	7.58	14.87
5775	0.00	-3.31	0.80	10.09	7.29	7.58	14.87	-2.68	0.80	9.85	7.29	7.97	15.26

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 worst antenna gain was applied for e.i.r.p.

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. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 15, 2020
Temperature / Humidity 22 deg. C / 33 % RH
Engineer Yuta Moriya
Mode Tx 11ac-80 (Low Power Setting)

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]	2 [mW]	Sum [mW]				1 [mW]	2 [mW]	Sum [mW]			
5290	81.622	76.494	3.96	4.12	8.08	9.08	22.68	13.60	21.23	22.08	43.31	16.37	29.97	13.60
5530	81.484	76.534	4.39	4.57	8.96	9.52	22.68	13.16	23.50	24.49	47.99	16.81	29.97	13.16
5610	81.857	76.626	4.97	4.61	9.58	9.81	22.68	12.87	26.61	24.72	51.32	17.10	29.97	12.87
5690	81.449	76.397	4.88	4.34	9.21	9.64	22.68	13.04	26.12	23.23	49.35	16.93	29.97	13.04
5775	-	76.392	1.95	2.02	3.97	5.99	28.71	22.72	10.42	10.84	21.26	13.28	36.00	22.72

		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]
5290	0.00	-4.78	0.70	10.06	7.29	5.98	13.27	-4.37	0.70	9.82	7.29	6.15	13.44
5530	0.00	-4.43	0.80	10.05	7.29	6.42	13.71	-4.02	0.80	9.82	7.29	6.60	13.89
5610	0.00	-3.91	0.80	10.07	7.29	6.96	14.25	-4.00	0.80	9.84	7.29	6.64	13.93
5690	0.00	-3.99	0.80	10.07	7.29	6.88	14.17	-4.27	0.80	9.84	7.29	6.37	13.66
5775	0.00	-8.00	0.80	10.09	7.29	2.89	10.18	-7.59	0.80	9.85	7.29	3.06	10.35

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 worst antenna gain was applied for e.i.r.p.

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 19, 2019
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Akihiko Maeda
Mode Tx 11ax-80 (OFDM) (High Power Setting)

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	-	77.662	4.26	3.65	7.90	8.98	22.68	13.70	22.80	19.54	42.35	16.27	29.97	13.70
5290	80.274	77.820	5.55	5.65	11.20	10.49	22.68	12.19	29.72	30.27	59.99	17.78	29.97	12.19
5530	80.290	77.795	5.83	6.58	12.41	10.94	22.68	11.74	31.26	35.24	66.50	18.23	29.97	11.74
5610	80.264	77.791	6.04	6.44	12.48	10.96	22.68	11.72	32.36	34.51	66.87	18.25	29.97	11.72
5690	80.307	77.772	6.46	5.93	12.39	10.93	22.68	11.75	34.59	31.77	66.36	18.22	29.97	11.75
5775	-	77.823	5.74	6.62	12.36	10.92	28.71	17.79	30.76	35.48	66.24	18.21	36.00	17.79

		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	-4.47	0.70	10.06	7.29	6.29	13.58	-4.90	0.70	9.82	7.29	5.62	12.91
5290	0.00	-3.32	0.70	10.06	7.29	7.44	14.73	-3.00	0.70	9.82	7.29	7.52	14.81
5530	0.00	-3.19	0.80	10.05	7.29	7.66	14.95	-2.44	0.80	9.82	7.29	8.18	15.47
5610	0.00	-3.06	0.80	10.07	7.29	7.81	15.10	-2.55	0.80	9.84	7.29	8.09	15.38
5690	0.00	-2.77	0.80	10.07	7.29	8.10	15.39	-2.91	0.80	9.84	7.29	7.73	15.02
5775	0.00	-3.30	0.80	10.09	7.29	7.59	14.88	-2.44	0.80	9.85	7.29	8.21	15.50

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 15, 2020
Temperature / Humidity 22 deg. C / 33 % RH
Engineer Yuta Moriya
Mode Tx 11ax-80 (OFDM) (Low Power Setting)

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]			
5290	80.274	77.820	4.22	4.30	8.51	9.30	22.68	13.38	22.59	23.01	45.61	16.59	29.97	13.38
5530	80.290	77.795	4.53	4.74	9.27	9.67	22.68	13.01	24.27	25.41	49.68	16.96	29.97	13.01
5610	80.264	77.791	5.15	4.75	9.91	9.96	22.68	12.72	27.61	25.47	53.07	17.25	29.97	12.72
5690	80.307	77.772	5.00	4.49	9.49	9.77	22.68	12.91	26.79	24.04	50.84	17.06	29.97	12.91
5775	-	77.823	1.97	2.10	4.08	6.10	28.71	22.61	10.57	11.27	21.84	13.39	36.00	22.61

		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]
5290	0.00	-4.51	0.70	10.06	7.29	6.25	13.54	-4.19	0.70	9.82	7.29	6.33	13.62
5530	0.00	-4.29	0.80	10.05	7.29	6.56	13.85	-3.86	0.80	9.82	7.29	6.76	14.05
5610	0.00	-3.75	0.80	10.07	7.29	7.12	14.41	-3.87	0.80	9.84	7.29	6.77	14.06
5690	0.00	-3.88	0.80	10.07	7.29	6.99	14.28	-4.12	0.80	9.84	7.29	6.52	13.81
5775	0.00	-7.94	0.80	10.09	7.29	2.95	10.24	-7.42	0.80	9.85	7.29	3.23	10.52

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (26-tone RU) (High Power Setting)

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]			
5210	0	-	78.948	0.08	0.07	0.15	-8.16	22.68	30.84	0.45	0.37	0.82	-0.87	29.97	30.84
	18	-	56.504	0.09	0.08	0.17	-7.70	22.68	30.38	0.49	0.42	0.91	-0.41	29.97	30.38
	36	-	78.896	0.08	0.08	0.16	-7.90	22.68	30.58	0.45	0.42	0.87	-0.61	29.97	30.58
5290	0	80.309	78.793	0.14	0.12	0.25	-5.96	22.68	28.64	0.72	0.63	1.36	1.33	29.97	28.64
	18	58.277	56.766	0.14	0.13	0.26	-5.77	22.68	28.45	0.72	0.70	1.42	1.52	29.97	28.45
	36	80.400	79.019	0.13	0.13	0.25	-5.93	22.68	28.61	0.68	0.68	1.37	1.36	29.97	28.61
5530	0	80.473	79.193	0.09	0.12	0.21	-6.70	22.68	29.38	0.48	0.66	1.14	0.59	29.97	29.38
	18	58.070	56.578	0.12	0.14	0.26	-5.85	22.68	28.53	0.64	0.75	1.39	1.44	29.97	28.53
	36	80.271	78.706	0.12	0.14	0.26	-5.85	22.68	28.53	0.64	0.75	1.39	1.44	29.97	28.53
5610	0	80.451	78.949	0.13	0.15	0.27	-5.65	22.68	28.33	0.68	0.78	1.46	1.64	29.97	28.33
	18	58.148	56.929	0.13	0.15	0.29	-5.38	22.68	28.06	0.72	0.83	1.55	1.91	29.97	28.06
	36	80.341	78.810	0.13	0.14	0.28	-5.56	22.68	28.24	0.72	0.77	1.49	1.73	29.97	28.24
5690	0	80.359	78.916	0.13	0.15	0.28	-5.53	22.68	28.21	0.72	0.78	1.50	1.76	29.97	28.21
	18	58.167	56.648	0.14	0.15	0.29	-5.38	22.68	28.06	0.76	0.79	1.55	1.91	29.97	28.06
	36	80.422	78.909	0.13	0.13	0.27	-5.72	22.68	28.40	0.72	0.71	1.44	1.57	29.97	28.40
5775	0	-	78.904	0.14	0.12	0.26	-5.80	28.71	34.51	0.76	0.65	1.41	1.49	36.00	34.51
	18	-	56.411	0.16	0.13	0.29	-5.37	28.71	34.08	0.84	0.71	1.56	1.92	36.00	34.08
	36	-	78.932	0.15	0.14	0.29	-5.45	28.71	34.16	0.80	0.73	1.53	1.84	36.00	34.16

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]
			[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	0	0.00	-36.57	5.93	19.85	7.29	-10.79	-3.50	-32.21	0.70	19.93	7.29	-11.58	-4.29
	18	0.00	-36.19	5.93	19.85	7.29	-10.41	-3.12	-31.67	0.70	19.93	7.29	-11.04	-3.75
	36	0.00	-36.57	5.93	19.85	7.29	-10.79	-3.50	-31.67	0.70	19.93	7.29	-11.04	-3.75
5290	0	0.00	-34.43	5.88	19.86	7.29	-8.69	-1.40	-29.91	0.70	19.93	7.29	-9.28	-1.99
	18	0.00	-34.43	5.88	19.86	7.29	-8.69	-1.40	-29.50	0.70	19.93	7.29	-8.87	-1.58
	36	0.00	-34.68	5.88	19.86	7.29	-8.94	-1.65	-29.58	0.70	19.93	7.29	-8.95	-1.66
5530	0	0.00	-36.19	5.83	19.89	7.29	-10.47	-3.18	-29.82	0.80	19.95	7.29	-9.07	-1.78
	18	0.00	-34.94	5.83	19.89	7.29	-9.22	-1.93	-29.28	0.80	19.95	7.29	-8.53	-1.24
	36	0.00	-34.94	5.83	19.89	7.29	-9.22	-1.93	-29.28	0.80	19.95	7.29	-8.53	-1.24
5610	0	0.00	-34.68	5.84	19.89	7.29	-8.95	-1.66	-29.13	0.80	19.95	7.29	-8.38	-1.09
	18	0.00	-34.43	5.84	19.89	7.29	-8.70	-1.41	-28.86	0.80	19.95	7.29	-8.11	-0.82
	36	0.00	-34.43	5.84	19.89	7.29	-8.70	-1.41	-29.20	0.80	19.95	7.29	-8.45	-1.16
5690	0	0.00	-34.43	5.84	19.88	7.29	-8.71	-1.42	-29.13	0.80	19.95	7.29	-8.38	-1.09
	18	0.00	-34.20	5.84	19.88	7.29	-8.48	-1.19	-29.06	0.80	19.95	7.29	-8.31	-1.02
	36	0.00	-34.43	5.84	19.88	7.29	-8.71	-1.42	-29.50	0.80	19.95	7.29	-8.75	-1.46
5775	0	0.00	-34.20	5.84	19.88	7.29	-8.48	-1.19	-29.91	0.80	19.95	7.29	-9.16	-1.87
	18	0.00	-33.76	5.84	19.88	7.29	-8.04	-0.75	-29.50	0.80	19.95	7.29	-8.75	-1.46
	36	0.00	-33.97	5.84	19.88	7.29	-8.25	-0.96	-29.43	0.80	19.95	7.29	-8.68	-1.39

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 20, 2020
Temperature / Humidity 22 deg. C / 53 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (26-tone RU) (Low Power Setting)

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]
5290	0	80.309	78.793	0.10	0.09	0.19	-7.11	22.68	29.79	0.55	0.49	1.04	0.18	29.97	29.79
	18	58.277	56.766	0.10	0.09	0.19	-7.28	22.68	29.96	0.51	0.49	1.00	0.01	29.97	29.96
	36	80.400	79.019	0.10	0.09	0.19	-7.22	22.68	29.90	0.51	0.50	1.02	0.07	29.97	29.90
5530	0	80.473	79.193	0.08	0.10	0.18	-7.52	22.68	30.20	0.44	0.51	0.95	-0.23	29.97	30.20
	18	58.070	56.578	0.10	0.11	0.20	-6.91	22.68	29.59	0.52	0.58	1.09	0.38	29.97	29.59
	36	80.271	78.706	0.10	0.11	0.21	-6.86	22.68	29.54	0.52	0.59	1.10	0.43	29.97	29.54
5610	0	80.451	78.949	0.10	0.12	0.22	-6.54	22.68	29.22	0.56	0.63	1.19	0.75	29.97	29.22
	18	58.148	56.929	0.10	0.12	0.22	-6.50	22.68	29.18	0.56	0.64	1.20	0.79	29.97	29.18
	36	80.341	78.810	0.10	0.11	0.21	-6.72	22.68	29.40	0.56	0.58	1.14	0.57	29.97	29.40
5690	0	80.359	78.916	0.11	0.12	0.22	-6.49	22.68	29.17	0.57	0.64	1.20	0.80	29.97	29.17
	18	58.167	56.648	0.11	0.11	0.22	-6.52	22.68	29.20	0.60	0.59	1.19	0.77	29.97	29.20
	36	80.422	78.909	0.11	0.10	0.21	-6.78	22.68	29.46	0.57	0.56	1.12	0.51	29.97	29.46
5775	0	-	78.904	0.11	0.08	0.19	-7.19	28.71	35.90	0.57	0.45	1.02	0.10	36.00	35.90
	18	-	56.411	0.10	0.08	0.19	-7.25	28.71	35.96	0.56	0.45	1.01	0.04	36.00	35.96
	36	-	78.932	0.09	0.08	0.17	-7.64	28.71	36.35	0.49	0.44	0.92	-0.35	36.00	36.35

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 Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5290	0	0.00	-35.52	5.86	19.80	7.29	-9.86	-2.57	-31.07	0.70	19.97	7.29	-10.40	-3.11
	18	0.00	-35.84	5.86	19.80	7.29	-10.18	-2.89	-31.07	0.70	19.97	7.29	-10.40	-3.11
	36	0.00	-35.84	5.86	19.80	7.29	-10.18	-2.89	-30.96	0.70	19.97	7.29	-10.29	-3.00
5530	0	0.00	-36.57	5.84	19.83	7.29	-10.90	-3.61	-30.96	0.80	19.97	7.29	-10.19	-2.90
	18	0.00	-35.84	5.84	19.83	7.29	-10.17	-2.88	-30.36	0.80	19.97	7.29	-9.59	-2.30
	36	0.00	-35.52	5.84	19.89	7.29	-9.79	-2.50	-30.17	0.80	20.04	7.29	-9.33	-2.04
5610	0	0.00	-35.52	5.84	19.89	7.29	-9.79	-2.50	-30.08	0.80	20.04	7.29	-9.24	-1.95
	18	0.00	-35.52	5.84	19.89	7.29	-9.79	-2.50	-30.51	0.80	20.04	7.29	-9.67	-2.38
	36	0.00	-35.46	5.83	19.88	7.29	-9.75	-2.46	-30.26	0.80	20.20	7.29	-9.26	-1.97
5690	0	0.00	-35.22	5.83	19.88	7.29	-9.51	-2.22	-30.55	0.80	20.20	7.29	-9.55	-2.26
	18	0.00	-35.47	5.83	19.88	7.29	-9.76	-2.47	-30.82	0.80	20.20	7.29	-9.82	-2.53
	36	0.00	-35.42	5.84	19.86	7.29	-9.72	-2.43	-31.54	0.80	19.99	7.29	-10.75	-3.46
5775	0	0.00	-35.52	5.84	19.86	7.29	-9.82	-2.53	-31.54	0.80	19.99	7.29	-10.75	-3.46
	18	0.00	-35.52	5.84	19.86	7.29	-9.82	-2.53	-31.54	0.80	19.99	7.29	-10.75	-3.46
	36	0.00	-36.13	5.84	19.86	7.29	-10.43	-3.14	-31.67	0.80	19.99	7.29	-10.88	-3.59

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (52-tone RU) (High Power Setting)

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.					
				1	Antenna 3	Sum	Result	Limit	Margin	1	Antenna 3	Sum	Result	Limit	Margin
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	37	-	78.363	0.21	0.15	0.36	-4.43	22.68	27.11	1.14	0.79	1.93	2.86	29.97	27.11
	44	-	48.033	0.23	0.16	0.39	-4.09	22.68	26.77	1.22	0.87	2.09	3.20	29.97	26.77
	52	-	78.478	0.21	0.17	0.38	-4.21	22.68	26.89	1.14	0.89	2.03	3.08	29.97	26.89
5290	37	80.361	78.150	0.31	0.24	0.55	-2.59	22.68	25.27	1.65	1.30	2.95	4.70	29.97	25.27
	44	44.108	48.840	0.30	0.27	0.57	-2.47	22.68	25.15	1.61	1.43	3.04	4.82	29.97	25.15
	52	80.542	78.602	0.29	0.26	0.55	-2.56	22.68	25.24	1.57	1.40	2.97	4.73	29.97	25.24
5530	37	80.504	78.741	0.24	0.26	0.50	-2.98	22.68	25.66	1.28	1.42	2.70	4.31	29.97	25.66
	44	43.222	49.292	0.29	0.30	0.59	-2.30	22.68	24.98	1.56	1.59	3.16	4.99	29.97	24.98
	52	80.414	78.170	0.29	0.30	0.59	-2.26	22.68	24.94	1.56	1.62	3.18	5.03	29.97	24.94
5610	37	80.443	78.335	0.31	0.30	0.61	-2.13	22.68	24.81	1.64	1.63	3.28	5.16	29.97	24.81
	44	43.844	49.457	0.32	0.32	0.64	-1.91	22.68	24.59	1.73	1.72	3.45	5.38	29.97	24.59
	52	80.424	78.412	0.32	0.31	0.63	-2.01	22.68	24.69	1.73	1.64	3.37	5.28	29.97	24.69
5690	37	80.419	78.233	0.32	0.30	0.63	-2.03	22.68	24.71	1.72	1.63	3.35	5.26	29.97	24.71
	44	41.946	48.159	0.34	0.31	0.65	-1.87	22.68	24.55	1.80	1.68	3.49	5.42	29.97	24.55
	52	80.531	78.445	0.32	0.29	0.61	-2.15	22.68	24.83	1.72	1.54	3.26	5.14	29.97	24.83
5775	37	-	78.312	0.34	0.26	0.61	-2.16	28.71	30.87	1.84	1.42	3.26	5.13	36.00	30.87
	44	-	47.348	0.37	0.28	0.65	-1.85	28.71	30.56	2.00	1.50	3.50	5.44	36.00	30.56
	52	-	78.512	0.31	0.28	0.59	-2.29	28.71	31.00	1.68	1.48	3.16	5.00	36.00	31.00

			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]
5210	37	0.00	-32.51	5.93	19.85	7.29	-6.73	0.56	-28.92	0.70	19.93	7.29	-8.29	-1.00
	44	0.00	-32.21	5.93	19.85	7.29	-6.43	0.86	-28.53	0.70	19.93	7.29	-7.90	-0.61
	52	0.00	-32.51	5.93	19.85	7.29	-6.73	0.56	-28.41	0.70	19.93	7.29	-7.78	-0.49
5290	37	0.00	-30.86	5.88	19.86	7.29	-5.12	2.17	-26.77	0.70	19.93	7.29	-6.14	1.15
	44	0.00	-30.96	5.88	19.86	7.29	-5.22	2.07	-26.38	0.70	19.93	7.29	-5.75	1.54
	52	0.00	-31.07	5.88	19.86	7.29	-5.33	1.96	-26.45	0.70	19.93	7.29	-5.82	1.47
5530	37	0.00	-31.93	5.83	19.89	7.29	-6.21	1.08	-26.53	0.80	19.95	7.29	-5.78	1.51
	44	0.00	-31.07	5.83	19.89	7.29	-5.35	1.94	-26.02	0.80	19.95	7.29	-5.27	2.02
	52	0.00	-31.07	5.83	19.89	7.29	-5.35	1.94	-25.95	0.80	19.95	7.29	-5.20	2.09
5610	37	0.00	-30.86	5.84	19.89	7.29	-5.13	2.16	-25.91	0.80	19.95	7.29	-5.16	2.13
	44	0.00	-30.65	5.84	19.89	7.29	-4.92	2.37	-25.68	0.80	19.95	7.29	-4.93	2.36
	52	0.00	-30.65	5.84	19.89	7.29	-4.92	2.37	-25.88	0.80	19.95	7.29	-5.13	2.16
5690	37	0.00	-30.65	5.84	19.88	7.29	-4.93	2.36	-25.91	0.80	19.95	7.29	-5.16	2.13
	44	0.00	-30.45	5.84	19.88	7.29	-4.73	2.56	-25.78	0.80	19.95	7.29	-5.03	2.26
	52	0.00	-30.65	5.84	19.88	7.29	-4.93	2.36	-26.16	0.80	19.95	7.29	-5.41	1.88
5775	37	0.00	-30.36	5.84	19.88	7.29	-4.64	2.65	-26.53	0.80	19.95	7.29	-5.78	1.51
	44	0.00	-30.00	5.84	19.88	7.29	-4.28	3.01	-26.27	0.80	19.95	7.29	-5.52	1.77
	52	0.00	-30.75	5.84	19.88	7.29	-5.03	2.26	-26.34	0.80	19.95	7.29	-5.59	1.70

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 20, 2020
Temperature / Humidity 22 deg. C / 53 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (52-tone RU) (Low Power Setting)

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]
5290	37	80.361	78.150	0.22	0.18	0.40	-3.94	22.68	26.62	1.19	0.98	2.16	3.35	29.97	26.62
	44	44.108	48.840	0.21	0.19	0.40	-4.03	22.68	26.71	1.11	1.01	2.12	3.26	29.97	26.71
	52	80.542	78.602	0.20	0.18	0.39	-4.10	22.68	26.78	1.10	0.99	2.09	3.19	29.97	26.78
5530	37	80.504	78.741	0.17	0.21	0.38	-4.25	22.68	26.93	0.91	1.10	2.01	3.04	29.97	26.93
	44	43.222	49.292	0.20	0.22	0.42	-3.72	22.68	26.40	1.07	1.21	2.27	3.57	29.97	26.40
	52	80.414	78.170	0.20	0.23	0.43	-3.70	22.68	26.38	1.07	1.22	2.29	3.59	29.97	26.38
5610	37	80.443	78.335	0.22	0.25	0.47	-3.25	22.68	25.93	1.21	1.33	2.53	4.04	29.97	25.93
	44	43.844	49.457	0.22	0.24	0.46	-3.37	22.68	26.05	1.16	1.30	2.47	3.92	29.97	26.05
	52	80.424	78.412	0.22	0.22	0.44	-3.58	22.68	26.26	1.16	1.19	2.35	3.71	29.97	26.26
5690	37	80.419	78.233	0.22	0.24	0.47	-3.32	22.68	26.00	1.20	1.30	2.50	3.97	29.97	26.00
	44	41.946	48.159	0.24	0.23	0.47	-3.27	22.68	25.95	1.28	1.24	2.52	4.02	29.97	25.95
	52	80.531	78.445	0.22	0.22	0.43	-3.64	22.68	26.32	1.16	1.16	2.31	3.65	29.97	26.32
5775	37	-	78.312	0.10	0.08	0.19	-7.31	28.71	36.02	0.56	0.44	1.00	-0.02	36.00	36.02
	44	-	47.348	0.10	0.08	0.19	-7.31	28.71	36.02	0.56	0.44	1.00	-0.02	36.00	36.02
	52	-	78.512	0.09	0.08	0.17	-7.70	28.71	36.41	0.49	0.42	0.91	-0.41	36.00	36.41

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]
5290	37	0.00	-32.21	5.86	19.80	7.29	-6.55	0.74	-28.06	0.70	19.97	7.29	-7.39	-0.10
	44	0.00	-32.51	5.86	19.80	7.29	-6.85	0.44	-27.90	0.70	19.97	7.29	-7.23	0.06
	52	0.00	-32.55	5.86	19.80	7.29	-6.89	0.40	-28.01	0.70	19.97	7.29	-7.34	-0.05
5530	37	0.00	-33.37	5.84	19.83	7.29	-7.70	-0.41	-27.64	0.80	19.97	7.29	-6.87	0.42
	44	0.00	-32.67	5.84	19.83	7.29	-7.00	0.29	-27.25	0.80	19.97	7.29	-6.48	0.81
	52	0.00	-32.67	5.84	19.83	7.29	-7.00	0.29	-27.21	0.80	19.97	7.29	-6.44	0.85
5610	37	0.00	-32.21	5.84	19.89	7.29	-6.48	0.81	-26.90	0.80	20.04	7.29	-6.06	1.23
	44	0.00	-32.36	5.84	19.89	7.29	-6.63	0.66	-26.98	0.80	20.04	7.29	-6.14	1.15
	52	0.00	-32.36	5.84	19.89	7.29	-6.63	0.66	-27.39	0.80	20.04	7.29	-6.55	0.74
5690	37	0.00	-32.21	5.83	19.88	7.29	-6.50	0.79	-27.16	0.80	20.20	7.29	-6.16	1.13
	44	0.00	-31.93	5.83	19.88	7.29	-6.22	1.07	-27.35	0.80	20.20	7.29	-6.35	0.94
	52	0.00	-32.36	5.83	19.88	7.29	-6.65	0.64	-27.66	0.80	20.20	7.29	-6.66	0.63
5775	37	0.00	-35.52	5.84	19.86	7.29	-9.82	-2.53	-31.67	0.80	19.99	7.29	-10.88	-3.59
	44	0.00	-35.52	5.84	19.86	7.29	-9.82	-2.53	-31.67	0.80	19.99	7.29	-10.88	-3.59
	52	0.00	-36.13	5.84	19.86	7.29	-10.43	-3.14	-31.80	0.80	19.99	7.29	-11.01	-3.72

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (106-tone RU) (High Power Setting)

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]			
5210	53	-	77.354	0.42	0.30	0.72	-1.42	22.68	24.10	2.28	1.59	3.86	5.87	29.97	24.10
	56	-	48.998	0.48	0.33	0.81	-0.91	22.68	23.59	2.56	1.79	4.35	6.38	29.97	23.59
	60	-	77.697	0.43	0.34	0.77	-1.15	22.68	23.83	2.31	1.80	4.11	6.14	29.97	23.83
5290	53	80.431	77.114	0.60	0.47	1.08	0.32	22.68	22.36	3.22	2.54	5.76	7.61	29.97	22.36
	56	45.346	49.644	0.55	0.48	1.03	0.13	22.68	22.55	2.94	2.58	5.52	7.42	29.97	22.55
	60	80.415	77.721	0.59	0.51	1.10	0.41	22.68	22.27	3.14	2.75	5.89	7.70	29.97	22.27
5530	53	80.559	77.706	0.49	0.52	1.02	0.07	22.68	22.61	2.64	2.81	5.45	7.36	29.97	22.61
	56	44.971	49.805	0.59	0.59	1.18	0.71	22.68	21.97	3.16	3.15	6.31	8.00	29.97	21.97
	60	80.399	77.170	0.59	0.59	1.18	0.73	22.68	21.95	3.16	3.18	6.34	8.02	29.97	21.95
5610	53	80.494	77.600	0.61	0.58	1.20	0.79	22.68	21.89	3.29	3.13	6.42	8.08	29.97	21.89
	56	45.297	50.375	0.64	0.62	1.26	1.02	22.68	21.66	3.45	3.32	6.77	8.31	29.97	21.66
	60	80.421	77.554	0.65	0.59	1.24	0.95	22.68	21.73	3.49	3.18	6.67	8.24	29.97	21.73
5690	53	80.308	77.194	0.64	0.59	1.22	0.87	22.68	21.81	3.40	3.15	6.55	8.16	29.97	21.81
	56	44.960	48.743	0.69	0.60	1.29	1.10	22.68	21.58	3.68	3.21	6.89	8.39	29.97	21.58
	60	80.365	77.665	0.64	0.56	1.20	0.79	22.68	21.89	3.44	2.99	6.43	8.08	29.97	21.89
5775	53	-	77.444	0.67	0.52	1.19	0.77	28.71	27.94	3.61	2.79	6.40	8.06	36.00	27.94
	56	-	48.084	0.76	0.57	1.32	1.22	28.71	27.49	4.05	3.05	7.09	8.51	36.00	27.49
	60	-	77.428	0.63	0.55	1.18	0.70	28.71	28.01	3.37	2.93	6.30	7.99	36.00	28.01

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]
5210	53	0.00	-29.50	5.93	19.85	7.29	-3.72	3.57	-25.91	0.70	19.93	7.29	-5.28	2.01
	56	0.00	-28.99	5.93	19.85	7.29	-3.21	4.08	-25.40	0.70	19.93	7.29	-4.77	2.52
	60	0.00	-29.43	5.93	19.85	7.29	-3.65	3.64	-25.37	0.70	19.93	7.29	-4.74	2.55
5290	53	0.00	-27.95	5.88	19.86	7.29	-2.21	5.08	-23.87	0.70	19.93	7.29	-3.24	4.05
	56	0.00	-28.35	5.88	19.86	7.29	-2.61	4.68	-23.80	0.70	19.93	7.29	-3.17	4.12
	60	0.00	-28.06	5.88	19.86	7.29	-2.32	4.97	-23.52	0.70	19.93	7.29	-2.89	4.40
5530	53	0.00	-28.79	5.83	19.89	7.29	-3.07	4.22	-23.56	0.80	19.95	7.29	-2.81	4.48
	56	0.00	-28.01	5.83	19.89	7.29	-2.29	5.00	-23.06	0.80	19.95	7.29	-2.31	4.98
	60	0.00	-28.01	5.83	19.89	7.29	-2.29	5.00	-23.02	0.80	19.95	7.29	-2.27	5.02
5610	53	0.00	-27.85	5.84	19.89	7.29	-2.12	5.17	-23.08	0.80	19.95	7.29	-2.33	4.96
	56	0.00	-27.64	5.84	19.89	7.29	-1.91	5.38	-22.83	0.80	19.95	7.29	-2.08	5.21
	60	0.00	-27.59	5.84	19.89	7.29	-1.86	5.43	-23.02	0.80	19.95	7.29	-2.27	5.02
5690	53	0.00	-27.69	5.84	19.88	7.29	-1.97	5.32	-23.06	0.80	19.95	7.29	-2.31	4.98
	56	0.00	-27.35	5.84	19.88	7.29	-1.63	5.66	-22.97	0.80	19.95	7.29	-2.22	5.07
	60	0.00	-27.64	5.84	19.88	7.29	-1.92	5.37	-23.29	0.80	19.95	7.29	-2.54	4.75
5775	53	0.00	-27.44	5.84	19.88	7.29	-1.72	5.57	-23.58	0.80	19.95	7.29	-2.83	4.46
	56	0.00	-26.94	5.84	19.88	7.29	-1.22	6.07	-23.20	0.80	19.95	7.29	-2.45	4.84
	60	0.00	-27.74	5.84	19.88	7.29	-2.02	5.27	-23.37	0.80	19.95	7.29	-2.62	4.67

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 20, 2020
Temperature / Humidity 22 deg. C / 53 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (106-tone RU) (Low Power Setting)

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 [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
				1 [mW]	3 [mW]	Sum [mW]				1 [mW]	3 [mW]	Sum [mW]			
5290	53	80.431	77.114	0.44	0.36	0.80	-0.97	22.68	23.65	2.37	1.91	4.29	6.32	29.97	23.65
	56	45.346	49.644	0.43	0.37	0.80	-0.96	22.68	23.64	2.29	2.00	4.30	6.33	29.97	23.64
	60	80.415	77.721	0.41	0.36	0.77	-1.13	22.68	23.81	2.21	1.91	4.13	6.16	29.97	23.81
5530	53	80.559	77.706	0.35	0.40	0.75	-1.25	22.68	23.93	1.86	2.15	4.01	6.04	29.97	23.93
	56	44.971	49.805	0.41	0.44	0.85	-0.70	22.68	23.38	2.18	2.38	4.56	6.59	29.97	23.38
	60	80.399	77.170	0.39	0.44	0.83	-0.79	22.68	23.47	2.10	2.37	4.47	6.50	29.97	23.47
5610	53	80.494	77.600	0.44	0.48	0.92	-0.36	22.68	23.04	2.37	2.56	4.93	6.93	29.97	23.04
	56	45.297	50.375	0.46	0.50	0.95	-0.21	22.68	22.89	2.45	2.65	5.10	7.08	29.97	22.89
	60	80.421	77.554	0.44	0.45	0.89	-0.51	22.68	23.19	2.37	2.40	4.76	6.78	29.97	23.19
5690	53	80.308	77.194	0.44	0.48	0.92	-0.38	22.68	23.06	2.36	2.55	4.91	6.91	29.97	23.06
	56	44.960	48.743	0.50	0.47	0.97	-0.12	22.68	22.80	2.68	2.53	5.21	7.17	29.97	22.80
	60	80.365	77.665	0.44	0.44	0.88	-0.56	22.68	23.24	2.37	2.34	4.71	6.73	29.97	23.24
5775	53	-	77.444	0.21	0.16	0.37	-4.32	28.71	33.03	1.12	0.86	1.98	2.97	36.00	33.03
	56	-	48.084	0.21	0.17	0.38	-4.24	28.71	32.95	1.12	0.90	2.02	3.05	36.00	32.95
	60	-	77.428	0.19	0.16	0.35	-4.56	28.71	33.27	1.01	0.86	1.87	2.73	36.00	33.27

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Antenna 1					Antenna 3					Result e.i.r.p.	
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result [dBm]	e.i.r.p. [dBm]
5290	53	0.00	-29.20	5.86	19.80	7.29	-3.54	3.75	-25.14	0.70	19.97	7.29	-4.47	2.82
	56	0.00	-29.35	5.86	19.80	7.29	-3.69	3.60	-24.94	0.70	19.97	7.29	-4.27	3.02
	60	0.00	-29.50	5.86	19.80	7.29	-3.84	3.45	-25.14	0.70	19.97	7.29	-4.47	2.82
5530	53	0.00	-30.26	5.84	19.83	7.29	-4.59	2.70	-24.73	0.80	19.97	7.29	-3.96	3.33
	56	0.00	-29.58	5.84	19.83	7.29	-3.91	3.38	-24.29	0.80	19.97	7.29	-3.52	3.77
	60	0.00	-29.74	5.84	19.83	7.29	-4.07	3.22	-24.31	0.80	19.97	7.29	-3.54	3.75
5610	53	0.00	-29.28	5.84	19.89	7.29	-3.55	3.74	-24.04	0.80	20.04	7.29	-3.20	4.09
	56	0.00	-29.13	5.84	19.89	7.29	-3.40	3.89	-23.89	0.80	20.04	7.29	-3.05	4.24
	60	0.00	-29.28	5.84	19.89	7.29	-3.55	3.74	-24.33	0.80	20.04	7.29	-3.49	3.80
5690	53	0.00	-29.28	5.83	19.88	7.29	-3.57	3.72	-24.22	0.80	20.20	7.29	-3.22	4.07
	56	0.00	-28.72	5.83	19.88	7.29	-3.01	4.28	-24.26	0.80	20.20	7.29	-3.26	4.03
	60	0.00	-29.25	5.83	19.88	7.29	-3.54	3.75	-24.60	0.80	20.20	7.29	-3.60	3.69
5775	53	0.00	-32.51	5.84	19.86	7.29	-6.81	0.48	-28.72	0.80	19.99	7.29	-7.93	-0.64
	56	0.00	-32.51	5.84	19.86	7.29	-6.81	0.48	-28.53	0.80	19.99	7.29	-7.74	-0.45
	60	0.00	-32.94	5.84	19.86	7.29	-7.24	0.05	-28.72	0.80	19.99	7.29	-7.93	-0.64

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (242-tone RU) (High Power Setting)

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]			
5210	61	-	75.016	0.93	0.69	1.62	2.09	22.68	20.59	4.99	3.68	8.67	9.38	29.97	20.59
	62	-	49.044	0.98	0.72	1.70	2.30	22.68	20.38	5.24	3.87	9.11	9.59	29.97	20.38
	64	-	74.948	0.95	0.77	1.72	2.36	22.68	20.32	5.12	4.10	9.22	9.65	29.97	20.32
5290	61	80.389	73.489	1.54	1.25	2.79	4.45	22.68	18.23	8.24	6.70	14.94	11.74	29.97	18.23
	62	48.806	49.251	1.50	1.33	2.84	4.53	22.68	18.15	8.05	7.14	15.20	11.82	29.97	18.15
	64	80.485	75.365	1.53	1.36	2.89	4.61	22.68	18.07	8.20	7.29	15.50	11.90	29.97	18.07
5530	61	80.508	75.848	1.23	1.32	2.56	4.08	22.68	18.60	6.61	7.10	13.70	11.37	29.97	18.60
	62	45.565	50.286	1.37	1.39	2.77	4.42	22.68	18.26	7.36	7.46	14.83	11.71	29.97	18.26
	64	80.587	73.004	1.45	1.49	2.94	4.68	22.68	18.00	7.76	7.98	15.74	11.97	29.97	18.00
5610	61	80.448	74.779	1.53	1.49	3.02	4.80	22.68	17.88	8.22	7.96	16.18	12.09	29.97	17.88
	62	48.712	50.802	1.53	1.50	3.03	4.82	22.68	17.86	8.18	8.05	16.24	12.11	29.97	17.86
	64	80.541	74.709	1.66	1.51	3.17	5.00	22.68	17.68	8.87	8.09	16.96	12.29	29.97	17.68
5690	61	80.457	74.318	1.58	1.45	3.02	4.80	22.68	17.88	8.45	7.74	16.20	12.09	29.97	17.88
	62	48.022	48.676	1.61	1.44	3.06	4.85	22.68	17.83	8.65	7.73	16.38	12.14	29.97	17.83
	64	80.428	75.163	1.60	1.41	3.01	4.78	22.68	17.90	8.57	7.55	16.12	12.07	29.97	17.90
5775	61	-	74.489	1.55	1.31	2.86	4.56	28.71	24.15	8.30	7.01	15.31	11.85	36.00	24.15
	62	-	48.104	1.58	1.32	2.91	4.63	28.71	24.08	8.49	7.08	15.57	11.92	36.00	24.08
	64	-	75.552	1.52	1.42	2.94	4.68	28.71	24.03	8.13	7.62	15.75	11.97	36.00	24.03

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]
5210	61	0.00	-26.09	5.93	19.85	7.29	-0.31	6.98	-22.26	0.70	19.93	7.29	-1.63	5.66
	62	0.00	-25.88	5.93	19.85	7.29	-0.10	7.19	-22.04	0.70	19.93	7.29	-1.41	5.88
	64	0.00	-25.98	5.93	19.85	7.29	-0.20	7.09	-21.79	0.70	19.93	7.29	-1.16	6.13
5290	61	0.00	-23.87	5.88	19.86	7.29	1.87	9.16	-19.66	0.70	19.93	7.29	0.97	8.26
	62	0.00	-23.97	5.88	19.86	7.29	1.77	9.06	-19.38	0.70	19.93	7.29	1.25	8.54
	64	0.00	-23.89	5.88	19.86	7.29	1.85	9.14	-19.29	0.70	19.93	7.29	1.34	8.63
5530	61	0.00	-24.81	5.83	19.89	7.29	0.91	8.20	-19.53	0.80	19.95	7.29	1.22	8.51
	62	0.00	-24.34	5.83	19.89	7.29	1.38	8.67	-19.31	0.80	19.95	7.29	1.44	8.73
	64	0.00	-24.11	5.83	19.89	7.29	1.61	8.90	-19.02	0.80	19.95	7.29	1.73	9.02
5610	61	0.00	-23.87	5.84	19.89	7.29	1.86	9.15	-19.03	0.80	19.95	7.29	1.72	9.01
	62	0.00	-23.89	5.84	19.89	7.29	1.84	9.13	-18.98	0.80	19.95	7.29	1.77	9.06
	64	0.00	-23.54	5.84	19.89	7.29	2.19	9.48	-18.96	0.80	19.95	7.29	1.79	9.08
5690	61	0.00	-23.74	5.84	19.88	7.29	1.98	9.27	-19.15	0.80	19.95	7.29	1.60	8.89
	62	0.00	-23.64	5.84	19.88	7.29	2.08	9.37	-19.16	0.80	19.95	7.29	1.59	8.88
	64	0.00	-23.68	5.84	19.88	7.29	2.04	9.33	-19.26	0.80	19.95	7.29	1.49	8.78
5775	61	0.00	-23.82	5.84	19.88	7.29	1.90	9.19	-19.58	0.80	19.95	7.29	1.17	8.46
	62	0.00	-23.72	5.84	19.88	7.29	2.00	9.29	-19.54	0.80	19.95	7.29	1.21	8.50
	64	0.00	-23.91	5.84	19.88	7.29	1.81	9.10	-19.22	0.80	19.95	7.29	1.53	8.82

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 20, 2020
Temperature / Humidity 22 deg. C / 53 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (242-tone RU) (Low Power Setting)

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]			
5290	61	80.389	73.489	0.97	0.80	1.77	2.47	22.68	20.21	5.18	4.30	9.47	9.76	29.97	20.21
	62	48.806	49.251	0.91	0.80	1.72	2.35	22.68	20.33	4.90	4.31	9.20	9.64	29.97	20.33
	64	80.485	75.365	0.93	0.81	1.74	2.41	22.68	20.27	4.98	4.36	9.33	9.70	29.97	20.27
5530	61	80.508	75.848	0.76	0.88	1.65	2.16	22.68	20.52	4.08	4.73	8.81	9.45	29.97	20.52
	62	45.565	50.286	0.81	0.89	1.70	2.31	22.68	20.37	4.36	4.76	9.12	9.60	29.97	20.37
	64	80.587	73.004	0.84	0.94	1.77	2.49	22.68	20.19	4.48	5.02	9.50	9.78	29.97	20.19
5610	61	80.448	74.779	1.00	1.04	2.04	3.09	22.68	19.59	5.35	5.56	10.90	10.38	29.97	19.59
	62	48.712	50.802	0.97	1.02	1.99	2.98	22.68	19.70	5.18	5.47	10.65	10.27	29.97	19.70
	64	80.541	74.709	1.00	0.97	1.98	2.97	22.68	19.71	5.38	5.22	10.61	10.26	29.97	19.71
5690	61	80.457	74.318	1.00	1.02	2.02	3.05	22.68	19.63	5.36	5.45	10.80	10.34	29.97	19.63
	62	48.022	48.676	1.04	0.98	2.02	3.05	22.68	19.63	5.56	5.26	10.82	10.34	29.97	19.63
	64	80.428	75.163	0.96	0.95	1.91	2.82	22.68	19.86	5.15	5.09	10.25	10.11	29.97	19.86
5775	61	-	74.489	0.42	0.33	0.75	-1.23	28.71	29.94	2.28	1.76	4.04	6.06	36.00	29.94
	62	-	48.104	0.41	0.33	0.74	-1.32	28.71	30.03	2.19	1.76	3.95	5.97	36.00	30.03
	64	-	75.552	0.40	0.33	0.72	-1.41	28.71	30.12	2.12	1.75	3.87	5.88	36.00	30.12

Tested Frequency [MHz]	RU Index	Duty Factor	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]
5290	61	0.00	-25.81	5.86	19.80	7.29	-0.15	7.14	-21.63	0.70	19.97	7.29	-0.96	6.33
	62	0.00	-26.05	5.86	19.80	7.29	-0.39	6.90	-21.62	0.70	19.97	7.29	-0.95	6.34
	64	0.00	-25.98	5.86	19.80	7.29	-0.32	6.97	-21.57	0.70	19.97	7.29	-0.90	6.39
5530	61	0.00	-26.85	5.84	19.83	7.29	-1.18	6.11	-21.31	0.80	19.97	7.29	-0.54	6.75
	62	0.00	-26.57	5.84	19.83	7.29	-0.90	6.39	-21.28	0.80	19.97	7.29	-0.51	6.78
	64	0.00	-26.45	5.84	19.83	7.29	-0.78	6.51	-21.05	0.80	19.97	7.29	-0.28	7.01
5610	61	0.00	-25.74	5.84	19.89	7.29	-0.01	7.28	-20.68	0.80	20.04	7.29	0.16	7.45
	62	0.00	-25.88	5.84	19.89	7.29	-0.15	7.14	-20.75	0.80	20.04	7.29	0.09	7.38
	64	0.00	-25.71	5.84	19.89	7.29	0.02	7.31	-20.95	0.80	20.04	7.29	-0.11	7.18
5690	61	0.00	-25.71	5.83	19.88	7.29	0.00	7.29	-20.93	0.80	20.20	7.29	0.07	7.36
	62	0.00	-25.55	5.83	19.88	7.29	0.16	7.45	-21.08	0.80	20.20	7.29	-0.08	7.21
	64	0.00	-25.88	5.83	19.88	7.29	-0.17	7.12	-21.22	0.80	20.20	7.29	-0.22	7.07
5775	61	0.00	-29.42	5.84	19.86	7.29	-3.72	3.57	-25.62	0.80	19.99	7.29	-4.83	2.46
	62	0.00	-29.58	5.84	19.86	7.29	-3.88	3.41	-25.62	0.80	19.99	7.29	-4.83	2.46
	64	0.00	-29.72	5.84	19.86	7.29	-4.02	3.27	-25.65	0.80	19.99	7.29	-4.86	2.43

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 26, 2020
Temperature / Humidity 24 deg. C / 32 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (484-tone RU) (High Power Setting)

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	65	-	73.208	1.88	1.38	3.26	5.14	22.68	17.54	10.07	7.41	17.48	12.43	29.97	17.54
	66	-	70.303	1.96	1.50	3.47	5.40	22.68	17.28	10.52	8.05	18.57	12.69	29.97	17.28
5290	65	80.457	70.438	2.84	2.38	5.23	7.18	22.68	15.50	15.24	12.76	28.00	14.47	29.97	15.50
	66	80.404	71.637	2.87	2.52	5.39	7.32	22.68	15.36	15.38	13.52	28.90	14.61	29.97	15.36
5530	65	80.582	74.128	2.62	2.58	5.20	7.16	22.68	15.52	14.06	13.80	27.86	14.45	29.97	15.52
	66	80.421	67.481	2.90	2.80	5.70	7.56	22.68	15.12	15.56	15.00	30.56	14.85	29.97	15.12
5610	65	80.667	73.330	3.01	2.78	5.79	7.62	22.68	15.06	16.11	14.89	31.00	14.91	29.97	15.06
	66	80.428	70.430	3.27	2.83	6.10	7.86	22.68	14.82	17.54	15.17	32.71	15.15	29.97	14.82
5690	65	80.507	72.731	3.16	2.69	5.84	7.66	22.68	15.02	16.90	14.39	31.29	14.95	29.97	15.02
	66	80.606	71.413	3.15	2.66	5.81	7.64	22.68	15.04	16.87	14.26	31.12	14.93	29.97	15.04
5775	65	-	73.093	3.14	2.64	5.78	7.62	28.71	21.09	16.83	14.13	30.95	14.91	36.00	21.09
	66	-	71.638	3.07	2.77	5.84	7.67	28.71	21.04	16.44	14.86	31.30	14.96	36.00	21.04

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																
							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	65	0.00	-23.04	5.93	19.85	7.29	2.74	10.03	-19.22	0.70	19.93	7.29	1.41	8.70															
	66	0.00	-22.85	5.93	19.85	7.29	2.93	10.22	-18.86	0.70	19.93	7.29	1.77	9.06															
5290	65	0.00	-21.20	5.88	19.86	7.29	4.54	11.83	-16.86	0.70	19.93	7.29	3.77	11.06															
	66	0.00	-21.16	5.88	19.86	7.29	4.58	11.87	-16.61	0.70	19.93	7.29	4.02	11.31															
5530	65	0.00	-21.53	5.83	19.89	7.29	4.19	11.48	-16.64	0.80	19.95	7.29	4.11	11.40															
	66	0.00	-21.09	5.83	19.89	7.29	4.63	11.92	-16.28	0.80	19.95	7.29	4.47	11.76															
5610	65	0.00	-20.95	5.84	19.89	7.29	4.78	12.07	-16.31	0.80	19.95	7.29	4.44	11.73															
	66	0.00	-20.58	5.84	19.89	7.29	5.15	12.44	-16.23	0.80	19.95	7.29	4.52	11.81															
5690	65	0.00	-20.73	5.84	19.88	7.29	4.99	12.28	-16.46	0.80	19.95	7.29	4.29	11.58															
	66	0.00	-20.74	5.84	19.88	7.29	4.98	12.27	-16.50	0.80	19.95	7.29	4.25	11.54															
5775	65	0.00	-20.75	5.84	19.88	7.29	4.97	12.26	-16.54	0.80	19.95	7.29	4.21	11.50															
	66	0.00	-20.85	5.84	19.88	7.29	4.87	12.16	-16.32	0.80	19.95	7.29	4.43	11.72															

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 20, 2020
Temperature / Humidity 22 deg. C / 53 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (484-tone RU) (Low Power Setting)

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]			
5290	65	80.457	70.438	1.88	1.60	3.48	5.42	22.68	17.26	10.07	8.59	18.66	12.71	29.97	17.26
	66	80.404	71.637	1.85	1.63	3.47	5.41	22.68	17.27	9.89	8.73	18.62	12.70	29.97	17.27
5530	65	80.582	74.128	1.60	1.80	3.41	5.32	22.68	17.36	8.59	9.66	18.25	12.61	29.97	17.36
	66	80.421	67.481	1.75	1.94	3.68	5.66	22.68	17.02	9.35	10.38	19.73	12.95	29.97	17.02
5610	65	80.667	73.330	1.98	2.08	4.06	6.08	22.68	16.60	10.59	11.14	21.74	13.37	29.97	16.60
	66	80.428	70.430	2.05	2.01	4.06	6.09	22.68	16.59	10.99	10.76	21.75	13.38	29.97	16.59
5690	65	80.507	72.731	2.04	2.00	4.04	6.07	22.68	16.61	10.94	10.72	21.65	13.36	29.97	16.61
	66	80.606	71.413	1.95	1.86	3.82	5.82	22.68	16.86	10.47	9.98	20.45	13.11	29.97	16.86
5775	65	-	73.093	0.85	0.67	1.51	1.80	28.71	26.91	4.55	3.56	8.11	9.09	36.00	26.91
	66	-	71.638	0.82	0.66	1.48	1.71	28.71	27.00	4.39	3.56	7.94	9.00	36.00	27.00

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]
5290	65	0.00	-22.92	5.86	19.80	7.29	2.74	10.03	-18.62	0.70	19.97	7.29	2.05	9.34
	66	0.00	-23.00	5.86	19.80	7.29	2.66	9.95	-18.55	0.70	19.97	7.29	2.12	9.41
5530	65	0.00	-23.62	5.84	19.83	7.29	2.05	9.34	-18.21	0.80	19.97	7.29	2.56	9.85
	66	0.00	-23.25	5.84	19.83	7.29	2.42	9.71	-17.90	0.80	19.97	7.29	2.87	10.16
5610	65	0.00	-22.77	5.84	19.89	7.29	2.96	10.25	-17.66	0.80	20.04	7.29	3.18	10.47
	66	0.00	-22.61	5.84	19.89	7.29	3.12	10.41	-17.81	0.80	20.04	7.29	3.03	10.32
5690	65	0.00	-22.61	5.83	19.88	7.29	3.10	10.39	-17.99	0.80	20.20	7.29	3.01	10.30
	66	0.00	-22.80	5.83	19.88	7.29	2.91	10.20	-18.30	0.80	20.20	7.29	2.70	9.99
5775	65	0.00	-26.41	5.84	19.86	7.29	-0.71	6.58	-22.56	0.80	19.99	7.29	-1.77	5.52
	66	0.00	-26.57	5.84	19.86	7.29	-0.87	6.42	-22.57	0.80	19.99	7.29	-1.78	5.51

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

UL Japan, Inc.

Ise EMC Lab.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date March 31, 2020
Temperature / Humidity 21 deg. C / 47 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (996-tone RU) (High Power Setting)

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	-	77.641	3.75	2.94	6.69	8.25	22.68	14.43	20.09	15.74	35.83	15.54	29.97	14.43
5290	80.131	77.649	5.16	4.56	9.72	9.88	22.68	12.80	27.67	24.43	52.10	17.17	29.97	12.80
5530	80.154	77.751	5.00	5.27	10.27	10.12	22.68	12.56	26.79	28.25	55.04	17.41	29.97	12.56
5610	80.236	77.715	5.65	5.50	11.14	10.47	22.68	12.21	30.27	29.44	59.71	17.76	29.97	12.21
5690	80.295	77.740	5.65	5.08	10.73	10.31	22.68	12.37	30.27	27.23	57.50	17.60	29.97	12.37
5775	-	77.663	5.82	5.20	11.02	10.42	28.71	18.29	31.19	27.86	59.05	17.71	36.00	18.29

		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	-20.02	5.91	19.85	7.29	5.74	13.03	-15.95	0.70	19.93	7.29	4.68	11.97		
5290	0.00	-18.59	5.86	19.86	7.29	7.13	14.42	-14.04	0.70	19.93	7.29	6.59	13.88		
5530	0.00	-18.74	5.84	19.89	7.29	6.99	14.28	-13.53	0.80	19.95	7.29	7.22	14.51		
5610	0.00	-18.20	5.84	19.88	7.29	7.52	14.81	-13.35	0.80	19.95	7.29	7.40	14.69		
5690	0.00	-18.19	5.83	19.88	7.29	7.52	14.81	-13.69	0.80	19.95	7.29	7.06	14.35		
5775	0.00	-18.06	5.84	19.87	7.29	7.65	14.94	-13.59	0.80	19.95	7.29	7.16	14.45		

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

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Maximum Conducted Output Power

Report No. 13170804H
Test place Ise EMC Lab. No.4 Measurement Room
Date May 20, 2020
Temperature / Humidity 22 deg. C / 53 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (996-tone RU) (Low Power Setting)

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]			
5290	80.131	77.649	3.89	3.41	7.30	8.63	22.68	14.05	20.84	18.28	39.13	15.92	29.97	14.05
5530	80.154	77.751	3.76	3.98	7.74	8.89	22.68	13.79	20.14	21.33	41.47	16.18	29.97	13.79
5610	80.236	77.715	4.37	4.31	8.67	9.38	22.68	13.30	23.39	23.07	46.46	16.67	29.97	13.30
5690	80.295	77.740	4.38	4.07	8.45	9.27	22.68	13.41	23.44	21.83	45.27	16.56	29.97	13.41
5775	-	77.663	1.86	1.63	3.50	5.43	28.71	23.28	9.98	8.75	18.73	12.72	36.00	23.28

		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.
5290	0.00	-19.76	5.86	19.80	7.29	5.90	13.19	-15.34	0.70	19.97	7.29	5.33	12.62
5530	0.00	-19.92	5.84	19.83	7.29	5.75	13.04	-14.77	0.80	19.97	7.29	6.00	13.29
5610	0.00	-19.33	5.84	19.89	7.29	6.40	13.69	-14.50	0.80	20.04	7.29	6.34	13.63
5690	0.00	-19.30	5.83	19.88	7.29	6.41	13.70	-14.90	0.80	20.20	7.29	6.10	13.39
5775	0.00	-23.00	5.84	19.86	7.29	2.70	9.99	-18.66	0.80	19.99	7.29	2.13	9.42

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 worst antenna gain was applied for e.i.r.p.

The test was performed with Gate function.

Maximum Conducted Output Power
(Rate Check)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 17, 2019
Temperature / Humidity 23 deg. C / 39 % RH
Engineer Akihiko Maeda
Mode Tx 11a

5500 MHz

mode	Rate [Mbps]	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Power		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11a	6	-4.17	0.383	-3.39	0.458	-0.75	0.841	
	9	-4.13	0.386	-3.37	0.460	-0.72	0.847	
	12	-4.11	0.388	-3.42	0.455	-0.74	0.843	
	18	-4.02	0.396	-3.30	0.468	-0.63	0.864	
	24	-4.11	0.388	-3.36	0.461	-0.71	0.849	
	36	-4.04	0.394	-3.28	0.470	-0.63	0.864	
	48	-4.04	0.394	-3.29	0.469	-0.64	0.863	
	54	-4.03	0.395	-3.24	0.474	-0.61	0.870	*

*: 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.	13170804H
Test place	Ise EMC Lab. No.3 Measurement Room
Date	December 17, 2019
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Akihiko Maeda
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	-4.22	0.378	-3.46	0.451	-0.81	0.829	
	1	-4.16	0.384	-3.39	0.458	-0.75	0.842	
	2	-4.12	0.387	-3.42	0.455	-0.75	0.842	
	3	-4.11	0.388	-3.34	0.463	-0.70	0.852	
	4	-4.04	0.394	-3.34	0.463	-0.67	0.858	
	5	-4.08	0.391	-3.30	0.468	-0.66	0.859	
	6	-4.05	0.394	-3.30	0.468	-0.65	0.861	
	7	-4.12	0.387	-3.32	0.466	-0.69	0.853	
	8	-4.10	0.389	-3.43	0.454	-0.74	0.843	
	9	-4.06	0.393	-3.39	0.458	-0.70	0.851	
	10	-4.03	0.395	-3.33	0.465	-0.66	0.860	
	11	-4.07	0.392	-3.38	0.459	-0.70	0.851	
	12	-4.04	0.394	-3.23	0.475	-0.61	0.870	
	13	-3.99	0.399	-3.28	0.470	-0.61	0.869	
	14	-3.98	0.400	-3.22	0.476	-0.57	0.876	
	15	-3.96	0.402	-3.17	0.482	-0.54	0.884	*

*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.	13170804H
Test place	Ise EMC Lab. No.3 Measurement Room
Date	December 17, 2019
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Akihiko Maeda
Mode	Tx 11ac-20

5500 MHz

mode	MCS Number	Antenna 1		Antenna 3		Total		Remarks
		Reading Average		Reading Average		Reading Power		
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-20 1TX	0	-4.17	0.383	-3.48	0.449	-0.80	0.832	
	1	-4.10	0.389	-3.31	0.467	-0.68	0.856	
	2	-4.11	0.388	-3.34	0.463	-0.70	0.852	
	3	-4.09	0.390	-3.39	0.458	-0.72	0.848	
	4	-4.08	0.391	-3.34	0.463	-0.68	0.854	
	5	-4.08	0.391	-3.33	0.465	-0.68	0.855	
	6	-4.06	0.393	-3.31	0.467	-0.66	0.859	
	7	-4.03	0.395	-3.27	0.471	-0.62	0.866	
	8	-4.03	0.395	-3.22	0.476	-0.60	0.872	
11ac-20 2TX	0	-4.17	0.383	-3.39	0.458	-0.75	0.841	
	1	-4.14	0.385	-3.38	0.459	-0.73	0.845	
	2	-4.03	0.395	-3.34	0.463	-0.66	0.859	
	3	-4.08	0.391	-3.39	0.458	-0.71	0.849	
	4	-4.01	0.397	-3.27	0.471	-0.61	0.868	
	5	-4.02	0.396	-3.29	0.469	-0.63	0.865	
	6	-3.93	0.405	-3.27	0.471	-0.58	0.876	
	7	-3.97	0.401	-3.19	0.480	-0.55	0.881	
	8	-3.96	0.402	-3.17	0.482	-0.54	0.884	*

*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.	13170804H
Test place	Ise EMC Lab. No.3 Measurement Room
Date	December 17, 2019
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Akihiko Maeda
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	-3.92	0.406	-3.18	0.481	-0.52	0.886	
	1	-3.87	0.410	-3.18	0.481	-0.50	0.891	
	2	-3.93	0.405	-3.16	0.483	-0.52	0.888	
	3	-3.86	0.411	-3.16	0.483	-0.49	0.894	
	4	-3.87	0.410	-3.11	0.489	-0.46	0.899	
	5	-3.88	0.409	-3.14	0.485	-0.48	0.895	
	6	-3.84	0.413	-3.06	0.494	-0.42	0.907	
	7	-3.80	0.417	-3.07	0.493	-0.41	0.910	
	8	-3.78	0.419	-3.08	0.492	-0.41	0.911	
	9	-3.78	0.419	-3.09	0.491	-0.41	0.910	
	10	-3.78	0.419	-3.07	0.493	-0.40	0.912	
	11	-3.75	0.422	-3.08	0.492	-0.39	0.914	
11ax-20 2TX	0	-3.95	0.403	-3.17	0.482	-0.53	0.885	
	1	-3.98	0.400	-3.17	0.482	-0.55	0.882	
	2	-3.89	0.408	-3.19	0.480	-0.52	0.888	
	3	-3.89	0.408	-3.07	0.493	-0.45	0.901	
	4	-3.87	0.410	-3.02	0.499	-0.41	0.909	
	5	-3.83	0.414	-3.08	0.492	-0.43	0.906	
	6	-3.78	0.419	-3.01	0.500	-0.37	0.919	
	7	-3.80	0.417	-3.11	0.489	-0.43	0.906	
	8	-3.82	0.415	-3.02	0.499	-0.39	0.914	
	9	-3.72	0.425	-3.02	0.499	-0.35	0.924	*
	10	-3.83	0.414	-3.08	0.492	-0.43	0.906	
	11	-3.82	0.415	-3.02	0.499	-0.39	0.914	

*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.	13170804H
Test place	Ise EMC Lab. No.3 Measurement Room
Date	December 17, 2019
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Akihiko Maeda
Mode	Tx 11n-40

5510 MHz

mode	MCS Number	Antenna 1		Antenna 3		Total		Remark
		Reading Average		Reading Average		Reading Power		
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11n-40	0	-4.24	0.377	-3.54	0.443	-0.87	0.819	
	1	-4.25	0.376	-3.53	0.444	-0.86	0.819	
	2	-4.23	0.378	-3.53	0.444	-0.86	0.821	
	3	-4.26	0.375	-3.49	0.448	-0.85	0.823	
	4	-4.12	0.387	-3.47	0.450	-0.77	0.837	
	5	-4.10	0.389	-3.45	0.452	-0.75	0.841	
	6	-4.07	0.392	-3.39	0.458	-0.71	0.850	
	7	-4.09	0.390	-3.37	0.460	-0.70	0.850	
	8	-4.22	0.378	-3.55	0.442	-0.86	0.820	
	9	-4.22	0.378	-3.51	0.446	-0.84	0.824	
	10	-4.18	0.382	-3.49	0.448	-0.81	0.830	
	11	-4.14	0.385	-3.42	0.455	-0.75	0.840	
	12	-4.06	0.393	-3.39	0.458	-0.70	0.851	
	13	-4.05	0.394	-3.34	0.463	-0.67	0.857	
	14	-3.97	0.401	-3.30	0.468	-0.61	0.869	
15	-3.96	0.402	-3.29	0.469	-0.60	0.871	*	

*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.	13170804H
Test place	Ise EMC Lab. No.3 Measurement Room
Date	December 17, 2019
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Akihiko Maeda
Mode	Tx 11ac-40

5510 MHz

mode	Number	Antenna 1		Antenna 3		Total		Remark
		Reading Average		Reading Average		Reading Power		
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-40 1TX	0	-4.30	0.372	-3.57	0.440	-0.91	0.811	
	1	-4.23	0.378	-3.55	0.442	-0.87	0.819	
	2	-4.07	0.392	-3.53	0.444	-0.78	0.835	
	3	-4.23	0.378	-3.48	0.449	-0.83	0.826	
	4	-4.25	0.376	-3.43	0.454	-0.81	0.830	
	5	-4.12	0.387	-3.43	0.454	-0.75	0.841	
	6	-4.10	0.389	-3.42	0.455	-0.74	0.844	
	7	-4.10	0.389	-3.38	0.459	-0.71	0.848	
	8	-4.03	0.395	-3.29	0.469	-0.63	0.864	
	9	-4.07	0.392	-3.30	0.468	-0.66	0.859	
11ac-40 2TX	0	-4.28	0.373	-3.55	0.442	-0.89	0.815	
	1	-4.22	0.378	-3.51	0.446	-0.84	0.824	
	2	-4.20	0.380	-3.46	0.451	-0.80	0.831	
	3	-4.08	0.391	-3.41	0.456	-0.72	0.847	
	4	-4.08	0.391	-3.36	0.461	-0.69	0.852	
	5	-4.06	0.393	-3.30	0.468	-0.65	0.860	
	6	-4.07	0.392	-3.33	0.465	-0.67	0.856	
	7	-4.05	0.394	-3.27	0.471	-0.63	0.865	
	8	-3.99	0.399	-3.23	0.475	-0.58	0.874	
		9	-3.99	0.399	-3.16	0.483	-0.54	0.882

*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.	13170804H
Test place	Ise EMC Lab. No.3 Measurement Room
Date	December 17, 2019
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Akihiko Maeda
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	-3.98	0.400	-3.29	0.469	-0.61	0.869	
	1	-3.99	0.399	-3.29	0.469	-0.62	0.868	
	2	-3.99	0.399	-3.25	0.473	-0.59	0.872	
	3	-3.95	0.403	-3.21	0.478	-0.55	0.880	
	4	-3.87	0.410	-3.22	0.476	-0.52	0.887	
	5	-3.86	0.411	-3.18	0.481	-0.50	0.892	
	6	-3.83	0.414	-3.08	0.492	-0.43	0.906	
	7	-3.78	0.419	-3.11	0.489	-0.42	0.907	
	8	-3.87	0.410	-3.16	0.483	-0.49	0.893	
	9	-3.60	0.437	-3.14	0.485	-0.35	0.922	
	10	-3.79	0.418	-3.01	0.500	-0.37	0.918	
	11	-3.78	0.419	-3.10	0.490	-0.42	0.909	
11ax-40 2TX	0	-4.00	0.398	-3.26	0.472	-0.60	0.870	
	1	-3.94	0.404	-3.24	0.474	-0.57	0.878	
	2	-3.90	0.407	-3.21	0.478	-0.53	0.885	
	3	-3.60	0.437	-3.18	0.481	-0.37	0.917	
	4	-3.82	0.415	-3.09	0.491	-0.43	0.906	
	5	-3.51	0.446	-3.06	0.494	-0.27	0.940	
	6	-3.72	0.425	-3.01	0.500	-0.34	0.925	
	7	-3.74	0.423	-3.07	0.493	-0.38	0.916	
	8	-3.71	0.426	-3.01	0.500	-0.34	0.926	
	9	-3.63	0.434	-2.96	0.506	-0.27	0.939	
	10	-3.60	0.437	-2.93	0.509	-0.24	0.946	*
	11	-3.66	0.431	-2.93	0.509	-0.27	0.940	

*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.	13170804H
Test place	Ise EMC Lab. No.3 Measurement Room
Date	December 17, 2019
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-80

5530 MHz

3.550 MHz

mode	MCS Number	Antenna 1		Antenna 3		Total		Remark
		Reading Average		Reading Average		Reading Power		
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-80 1TX	0	-3.98	0.400	-3.10	0.490	-0.51	0.890	
	1	-3.82	0.415	-3.07	0.493	-0.42	0.908	
	2	-4.08	0.391	-3.35	0.462	-0.69	0.853	
	3	-4.08	0.391	-3.28	0.470	-0.65	0.861	
	4	-3.98	0.400	-3.25	0.473	-0.59	0.873	
	5	-3.93	0.405	-3.20	0.479	-0.54	0.883	
	6	-3.88	0.409	-3.06	0.494	-0.44	0.904	
	7	-3.88	0.409	-2.99	0.502	-0.40	0.912	
	8	-3.85	0.412	-3.04	0.497	-0.42	0.909	
	9	-3.77	0.420	-3.07	0.493	-0.40	0.913	
11ac-80 2TX	0	-4.01	0.397	-3.27	0.471	-0.61	0.868	
	1	-3.98	0.400	-3.28	0.470	-0.61	0.870	
	2	-3.90	0.407	-3.19	0.480	-0.52	0.887	
	3	-3.83	0.414	-3.14	0.485	-0.46	0.899	
	4	-3.88	0.409	-3.05	0.495	-0.43	0.905	
	5	-3.75	0.422	-2.98	0.504	-0.34	0.925	
	6	-3.76	0.421	-2.97	0.505	-0.34	0.925	
	7	-3.67	0.430	-3.00	0.501	-0.31	0.931	
	8	-3.79	0.418	-2.97	0.505	-0.35	0.922	
	9	-3.66	0.431	-2.95	0.507	-0.28	0.938	*

*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.	13170804H
Test place	Ise EMC Lab. No.3 Measurement Room
Date	December 17, 2019
Temperature / Humidity	23 deg. C / 39 % 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	-3.57	0.440	-3.06	0.494	-0.30	0.934	
	1	-3.80	0.417	-3.05	0.495	-0.40	0.912	
	2	-3.79	0.418	-3.06	0.494	-0.40	0.912	
	3	-3.62	0.435	-2.94	0.508	-0.26	0.943	
	4	-3.50	0.447	-2.85	0.519	-0.15	0.965	
	5	-3.38	0.459	-2.61	0.548	0.03	1.007	
	6	-3.70	0.427	-2.91	0.512	-0.28	0.938	
	7	-3.43	0.454	-2.73	0.533	-0.06	0.987	
	8	-3.63	0.434	-2.91	0.512	-0.24	0.945	
	9	-3.53	0.444	-2.82	0.522	-0.15	0.966	
	10	-3.19	0.480	-2.44	0.570	0.21	1.050	*
	11	-3.51	0.446	-2.82	0.522	-0.14	0.968	
11ax-80 2TX	0	-3.79	0.418	-3.06	0.494	-0.40	0.912	
	1	-3.74	0.423	-3.06	0.494	-0.38	0.917	
	2	-3.77	0.420	-2.99	0.502	-0.35	0.922	
	3	-3.66	0.431	-2.97	0.505	-0.29	0.935	
	4	-3.70	0.427	-2.96	0.506	-0.30	0.932	
	5	-3.46	0.451	-2.75	0.531	-0.08	0.982	
	6	-3.38	0.459	-2.64	0.545	0.02	1.004	
	7	-3.50	0.447	-2.87	0.516	-0.16	0.963	
	8	-3.60	0.437	-2.90	0.513	-0.23	0.949	
	9	-3.54	0.443	-2.88	0.515	-0.19	0.958	
	10	-3.63	0.434	-2.75	0.531	-0.16	0.964	
	11	-3.54	0.443	-2.91	0.512	-0.20	0.954	

*Worst MCS

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

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

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Average Output Power
(Reference data for RF Exposure)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019 March 31, 2020
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 47 % RH
Engineer Akihiko Maeda Takafumi Noguchi
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		Sum 1+3	
									1 [mW]	3 [mW]	[mW]	[dBm]
5180	-4.76	0.70	9.82	5.76	-5.62	0.70	10.06	5.14	3.77	3.27	7.03	8.47
5220	-4.74	0.70	9.82	5.78	-5.34	0.70	10.06	5.42	3.78	3.48	7.27	8.61
5240	-4.71	0.70	9.82	5.81	-5.33	0.70	10.06	5.43	3.81	3.49	7.30	8.63
5260	-3.41	0.70	9.82	7.11	-3.51	0.70	10.06	7.25	5.14	5.31	10.45	10.19
5300	-3.59	0.70	9.82	6.93	-3.41	0.70	10.06	7.35	4.93	5.43	10.36	10.16
5320	-3.60	0.70	9.82	6.92	-3.42	0.70	10.05	7.33	4.92	5.41	10.33	10.14
5500	-3.79	0.80	9.82	6.83	-3.49	0.80	10.04	7.35	4.82	5.43	10.25	10.11
5580	-3.02	0.80	9.83	7.61	-3.32	0.80	10.06	7.54	5.77	5.68	11.44	10.59
5700	-3.07	0.80	9.84	7.57	-3.39	0.80	10.08	7.49	5.71	5.61	11.33	10.54
5720	-3.23	0.80	9.84	7.41	-3.52	0.80	10.08	7.36	5.51	5.45	10.95	10.40
5745	-3.58	0.80	9.85	7.07	-2.96	0.80	10.09	7.93	5.09	6.21	11.30	10.53
5785	-3.51	0.80	9.85	7.14	-2.91	0.80	10.09	7.98	5.18	6.28	11.46	10.59
5825	-3.69	0.80	9.85	6.96	-2.99	0.80	10.10	7.91	4.97	6.18	11.15	10.47

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 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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019 March 31, 2020
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 47 % RH
Engineer Akihiko Maeda Takafumi Noguchi
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		Sum	
									1	3	1+3	
									[mW]	[mW]	[mW]	[dBm]
5180	-4.56	0.70	9.82	5.96	-5.51	0.70	10.06	5.25	3.94	3.35	7.29	8.63
5220	-4.68	0.70	9.82	5.84	-5.28	0.70	10.06	5.48	3.84	3.53	7.37	8.67
5240	-4.72	0.70	9.82	5.80	-5.14	0.70	10.06	5.62	3.80	3.65	7.45	8.72
5260	-3.51	0.70	9.82	7.01	-3.53	0.70	10.06	7.23	5.02	5.28	10.31	10.13
5300	-3.64	0.70	9.82	6.88	-3.21	0.70	10.06	7.55	4.88	5.69	10.56	10.24
5320	-3.89	0.70	9.82	6.63	-3.48	0.70	10.05	7.27	4.60	5.33	9.94	9.97
5500	-3.95	0.80	9.82	6.67	-3.53	0.80	10.04	7.31	4.65	5.38	10.03	10.01
5580	-3.23	0.80	9.83	7.40	-3.01	0.80	10.06	7.85	5.50	6.10	11.59	10.64
5700	-3.06	0.80	9.84	7.58	-3.20	0.80	10.08	7.68	5.73	5.86	11.59	10.64
5720	-3.14	0.80	9.84	7.50	-3.33	0.80	10.08	7.55	5.62	5.69	11.31	10.54
5745	-3.54	0.80	9.85	7.11	-2.82	0.80	10.09	8.07	5.14	6.41	11.55	10.63
5785	-3.72	0.80	9.85	6.93	-2.85	0.80	10.09	8.04	4.93	6.37	11.30	10.53
5825	-4.00	0.80	9.85	6.65	-2.93	0.80	10.10	7.97	4.62	6.27	10.89	10.37

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019 March 31, 2020
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 47 % RH
Engineer Akihiko Maeda Takafumi Noguchi
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]	Sum 1+3 [mW]	Sum 1+3 [dBm]
5180	-4.77	0.70	9.82	5.75	-5.37	0.70	10.06	5.39	3.76	3.46	7.22	8.58
5220	-4.71	0.70	9.82	5.81	-5.26	0.70	10.06	5.50	3.81	3.55	7.36	8.67
5240	-4.98	0.70	9.82	5.54	-5.29	0.70	10.06	5.47	3.58	3.52	7.10	8.52
5260	-3.47	0.70	9.82	7.05	-3.32	0.70	10.06	7.44	5.07	5.55	10.62	10.26
5300	-3.60	0.70	9.82	6.92	-3.51	0.70	10.06	7.25	4.92	5.31	10.23	10.10
5320	-3.51	0.70	9.82	7.01	-3.31	0.70	10.05	7.44	5.02	5.55	10.57	10.24
5500	-3.72	0.80	9.82	6.90	-3.42	0.80	10.04	7.42	4.90	5.52	10.42	10.18
5580	-3.18	0.80	9.83	7.45	-3.11	0.80	10.06	7.75	5.56	5.96	11.52	10.61
5700	-3.01	0.80	9.84	7.63	-3.25	0.80	10.08	7.63	5.79	5.79	11.59	10.64
5720	-3.14	0.80	9.84	7.50	-3.24	0.80	10.08	7.64	5.62	5.81	11.43	10.58
5745	-3.57	0.80	9.85	7.08	-3.01	0.80	10.09	7.88	5.11	6.14	11.24	10.51
5785	-3.70	0.80	9.85	6.95	-2.96	0.80	10.09	7.93	4.95	6.21	11.16	10.48
5825	-3.79	0.80	9.85	6.86	-3.05	0.80	10.10	7.85	4.85	6.10	10.95	10.39

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019 March 31, 2020
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 47 % RH
Engineer Akihiko Maeda Takafumi Noguchi
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		Sum	
									1	3	1+3	
									[mW]	[mW]	[mW]	[dBm]
5180	-4.41	0.70	9.82	6.11	-5.32	0.70	10.06	5.44	4.08	3.50	7.58	8.80
5220	-4.47	0.70	9.82	6.05	-5.41	0.70	10.06	5.35	4.03	3.43	7.45	8.72
5240	-4.77	0.70	9.82	5.75	-5.11	0.70	10.06	5.65	3.76	3.67	7.43	8.71
5260	-3.24	0.70	9.82	7.28	-3.26	0.70	10.06	7.50	5.35	5.62	10.97	10.40
5300	-3.34	0.70	9.82	7.18	-3.18	0.70	10.06	7.58	5.22	5.73	10.95	10.39
5320	-3.56	0.70	9.82	6.96	-3.15	0.70	10.05	7.60	4.97	5.75	10.72	10.30
5500	-3.56	0.80	9.82	7.06	-3.38	0.80	10.04	7.46	5.08	5.57	10.65	10.27
5580	-2.98	0.80	9.83	7.65	-2.75	0.80	10.06	8.11	5.82	6.47	12.29	10.90
5700	-2.80	0.80	9.84	7.84	-3.06	0.80	10.08	7.82	6.08	6.05	12.13	10.84
5720	-2.99	0.80	9.84	7.65	-3.16	0.80	10.08	7.72	5.82	5.92	11.74	10.70
5745	-3.35	0.80	9.85	7.30	-2.51	0.80	10.09	8.38	5.37	6.89	12.26	10.88
5785	-3.50	0.80	9.85	7.15	-2.71	0.80	10.09	8.18	5.19	6.58	11.76	10.71
5825	-3.88	0.80	9.85	6.77	-2.99	0.80	10.10	7.91	4.75	6.18	10.93	10.39

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 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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date March 31, 2020
Temperature / Humidity 21 deg. C / 47 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-20 (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]	1+3 [mW]	1+3 [dBm]
5180	-19.92	5.93	19.85	5.86	-16.03	0.70	19.93	4.60	3.85	2.88	6.74	8.29
5220	-19.99	5.91	19.85	5.77	-16.02	0.70	19.93	4.61	3.78	2.89	6.67	8.24
5240	-20.22	5.89	19.85	5.52	-15.79	0.70	19.93	4.84	3.56	3.05	6.61	8.20
5260	-18.45	5.89	19.85	7.29	-14.28	0.70	19.93	6.35	5.36	4.32	9.67	9.86
5300	-18.68	5.86	19.86	7.04	-14.10	0.70	19.93	6.53	5.06	4.50	9.56	9.80
5320	-18.66	5.84	19.86	7.04	-13.95	0.70	19.94	6.69	5.06	4.67	9.72	9.88
5500	-19.09	5.84	19.89	6.64	-13.77	0.80	19.95	6.98	4.61	4.99	9.60	9.82
5580	-18.33	5.83	19.89	7.39	-13.44	0.80	19.95	7.31	5.48	5.38	10.87	10.36
5700	-18.32	5.84	19.88	7.40	-13.82	0.80	19.95	6.93	5.50	4.93	10.43	10.18
5720	-18.24	5.84	19.88	7.48	-13.90	0.80	19.95	6.85	5.60	4.84	10.44	10.19
5745	-18.00	5.83	19.88	7.71	-13.65	0.80	19.95	7.10	5.90	5.13	11.03	10.43
5785	-18.16	5.83	19.87	7.54	-13.67	0.80	19.95	7.08	5.68	5.11	10.78	10.33
5825	-18.31	5.84	19.87	7.40	-13.66	0.80	19.95	7.09	5.50	5.12	10.61	10.26

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019 March 31, 2020
Temperature / Humidity 22 deg. C / 38 % RH 21 deg. C / 47 % RH
Engineer Akihiko Maeda Takafumi Noguchi
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]	Sum 1+3 [mW]	Sum 1+3 [dBm]
5190	-4.85	0.70	9.82	5.67	-5.68	0.70	10.06	5.08	3.69	3.22	6.91	8.40
5230	-5.02	0.70	9.82	5.50	-5.52	0.70	10.06	5.24	3.55	3.34	6.89	8.38
5270	-3.59	0.70	9.82	6.93	-3.73	0.70	10.06	7.03	4.93	5.05	9.98	9.99
5310	-3.70	0.70	9.82	6.82	-3.63	0.70	10.05	7.12	4.81	5.15	9.96	9.98
5510	-4.04	0.80	9.82	6.58	-3.65	0.80	10.05	7.20	4.55	5.25	9.80	9.91
5550	-3.29	0.80	9.83	7.34	-3.36	0.80	10.05	7.49	5.42	5.61	11.03	10.43
5670	-3.38	0.80	9.84	7.26	-3.54	0.80	10.07	7.33	5.32	5.41	10.73	10.31
5710	-3.13	0.80	9.84	7.51	-3.32	0.80	10.08	7.56	5.64	5.70	11.34	10.55
5755	-3.62	0.80	9.85	7.03	-3.05	0.80	10.09	7.84	5.05	6.08	11.13	10.46
5795	-3.87	0.80	9.85	6.78	-3.17	0.80	10.09	7.72	4.76	5.92	10.68	10.29

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Akihiko Maeda
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			
									1 [mW]	3 [mW]	Sum 1+3 [mW]	Sum 1+3 [dBm]
5190	-4.90	0.70	9.82	5.62	-5.69	0.70	10.06	5.07	3.65	3.21	6.86	8.36
5230	-5.06	0.70	9.82	5.46	-5.53	0.70	10.06	5.23	3.52	3.33	6.85	8.36
5270	-3.72	0.70	9.82	6.80	-3.61	0.70	10.06	7.15	4.79	5.19	9.97	9.99
5310	-3.50	0.70	9.82	7.02	-3.90	0.70	10.05	6.85	5.04	4.84	9.88	9.95
5510	-3.98	0.80	9.82	6.64	-3.67	0.80	10.05	7.18	4.61	5.22	9.84	9.93
5550	-3.65	0.80	9.83	6.98	-3.32	0.80	10.05	7.53	4.99	5.66	10.65	10.27
5670	-3.11	0.80	9.84	7.53	-3.31	0.80	10.07	7.56	5.66	5.70	11.36	10.56
5710	-3.28	0.80	9.84	7.36	-3.51	0.80	10.08	7.37	5.45	5.46	10.90	10.38
5755	-3.70	0.80	9.85	6.95	-3.06	0.80	10.09	7.83	4.95	6.07	11.02	10.42
5795	-3.85	0.80	9.85	6.80	-3.13	0.80	10.09	7.76	4.79	5.97	10.76	10.32

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Akihiko Maeda
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			
									1 [mW]	3 [mW]	Sum 1+3 [mW]	Sum 1+3 [dBm]
5190	-4.59	0.70	9.82	5.93	-5.22	0.70	10.06	5.54	3.92	3.58	7.50	8.75
5230	-4.41	0.70	9.82	6.11	-5.23	0.70	10.06	5.53	4.08	3.57	7.66	8.84
5270	-3.37	0.70	9.82	7.15	-3.28	0.70	10.06	7.48	5.19	5.60	10.79	10.33
5310	-3.65	0.70	9.82	6.87	-3.36	0.70	10.05	7.39	4.86	5.48	10.35	10.15
5510	-3.75	0.80	9.82	6.87	-3.45	0.80	10.05	7.40	4.86	5.50	10.36	10.15
5550	-3.29	0.80	9.83	7.34	-3.14	0.80	10.05	7.71	5.42	5.90	11.32	10.54
5670	-2.89	0.80	9.84	7.75	-3.12	0.80	10.07	7.75	5.96	5.96	11.91	10.76
5710	-3.03	0.80	9.84	7.61	-3.29	0.80	10.08	7.59	5.77	5.74	11.51	10.61
5755	-3.47	0.80	9.85	7.18	-2.91	0.80	10.09	7.98	5.22	6.28	11.50	10.61
5795	-3.68	0.80	9.85	6.97	-2.96	0.80	10.09	7.93	4.98	6.21	11.19	10.49

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date March 31, 2020
Temperature / Humidity 21 deg. C / 47 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (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			
									1 [mW]	3 [mW]	Sum 1+3 [mW]	Sum 1+3 [dBm]
5190	-20.11	5.93	19.85	5.67	-16.22	0.70	19.93	4.41	3.69	2.76	6.45	8.10
5230	-19.98	5.90	19.85	5.77	-15.83	0.70	19.93	4.80	3.78	3.02	6.80	8.32
5270	-18.48	5.88	19.86	7.26	-14.15	0.70	19.93	6.48	5.32	4.45	9.77	9.90
5310	-18.66	5.85	19.86	7.05	-13.98	0.70	19.93	6.65	5.07	4.62	9.69	9.86
5510	-18.95	5.83	19.89	6.77	-13.71	0.80	19.95	7.04	4.75	5.06	9.81	9.92
5550	-18.63	5.84	19.89	7.10	-13.46	0.80	19.95	7.29	5.13	5.36	10.49	10.21
5670	-18.13	5.84	19.88	7.59	-13.63	0.80	19.95	7.12	5.74	5.15	10.89	10.37
5710	-18.31	5.84	19.88	7.41	-13.84	0.80	19.95	6.91	5.51	4.91	10.42	10.18
5755	-18.10	5.84	19.88	7.62	-13.67	0.80	19.95	7.08	5.78	5.11	10.89	10.37
5795	-18.33	5.83	19.87	7.37	-13.62	0.80	19.95	7.13	5.46	5.16	10.62	10.26

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Akihiko Maeda
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 1	3	1+3	Sum 1+3
									[mW]	[mW]	[mW]	[dBm]
5210	-4.95	0.70	9.82	5.57	-5.59	0.70	10.06	5.17	3.61	3.29	6.89	8.38
5290	-3.60	0.70	9.82	6.92	-3.68	0.70	10.06	7.08	4.92	5.11	10.03	10.01
5530	-3.67	0.80	9.83	6.96	-3.58	0.80	10.05	7.27	4.97	5.33	10.30	10.13
5610	-3.22	0.80	9.83	7.41	-3.25	0.80	10.06	7.61	5.51	5.77	11.28	10.52
5690	-3.14	0.80	9.84	7.50	-3.38	0.80	10.08	7.50	5.62	5.62	11.25	10.51
5775	-3.84	0.80	9.85	6.81	-3.22	0.80	10.09	7.67	4.80	5.85	10.65	10.27

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Akihiko Maeda
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			
									1 [mW]	3 [mW]	1+3 [mW]	Sum 1+3 [dBm]
5210	-4.57	0.70	9.82	5.95	-5.24	0.70	10.06	5.52	3.94	3.56	7.50	8.75
5290	-3.42	0.70	9.82	7.10	-3.33	0.70	10.06	7.43	5.13	5.53	10.66	10.28
5530	-3.45	0.80	9.83	7.18	-3.27	0.80	10.05	7.58	5.22	5.73	10.95	10.39
5610	-2.95	0.80	9.83	7.68	-3.01	0.80	10.06	7.85	5.86	6.10	11.96	10.78
5690	-2.86	0.80	9.84	7.78	-3.10	0.80	10.08	7.78	6.00	6.00	12.00	10.79
5775	-3.54	0.80	9.85	7.11	-2.93	0.80	10.09	7.96	5.14	6.25	11.39	10.57

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.**

Average Output Power
(Reference data for RF Exposure)

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date March 31, 2020
Temperature / Humidity 21 deg. C / 47 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (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	-20.02	5.91	19.85	5.74	-16.02	0.70	19.93	4.61	3.75	2.89	6.64	8.22
5290	-18.66	5.86	19.86	7.06	-14.07	0.70	19.93	6.56	5.08	4.53	9.61	9.83
5530	-18.78	5.84	19.89	6.95	-13.54	0.80	19.95	7.21	4.95	5.26	10.21	10.09
5610	-18.28	5.84	19.88	7.44	-13.39	0.80	19.95	7.36	5.55	5.45	10.99	10.41
5690	-18.23	5.83	19.88	7.48	-13.67	0.80	19.95	7.08	5.60	5.11	10.70	10.29
5775	-18.16	5.84	19.87	7.55	-13.63	0.80	19.95	7.12	5.69	5.15	10.84	10.35

Sample Calculation:

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

The test was performed with Gate function.

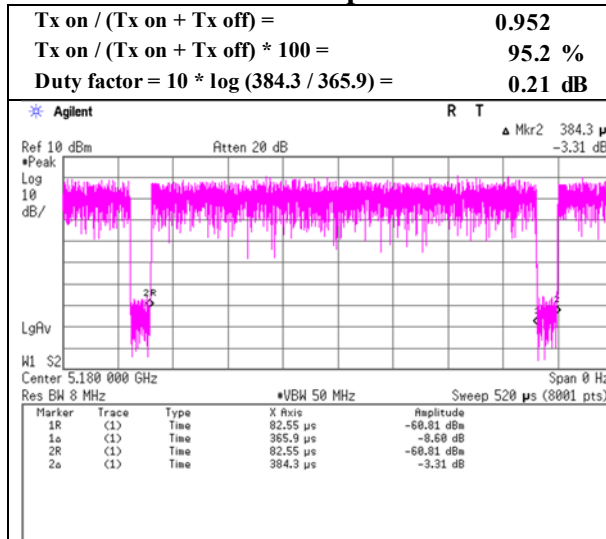
*) The test on 11ax-80 was performed on OFDM / OFDMA (996-tone RU) was the worst condition.

**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.**

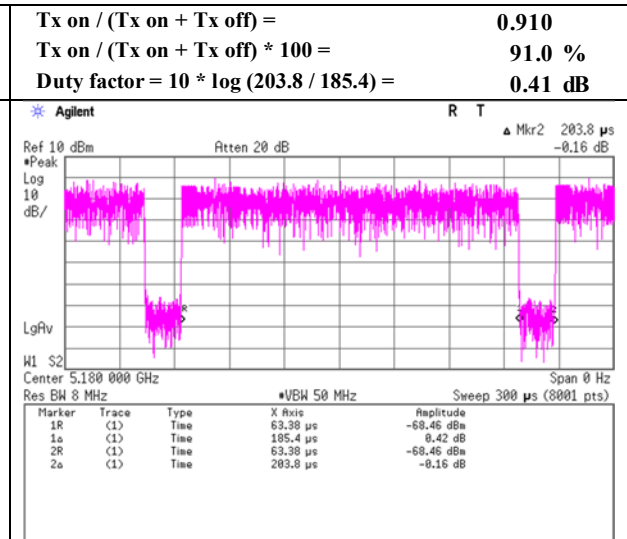
Burst rate confirmation

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Akihiko Maeda
Mode Tx

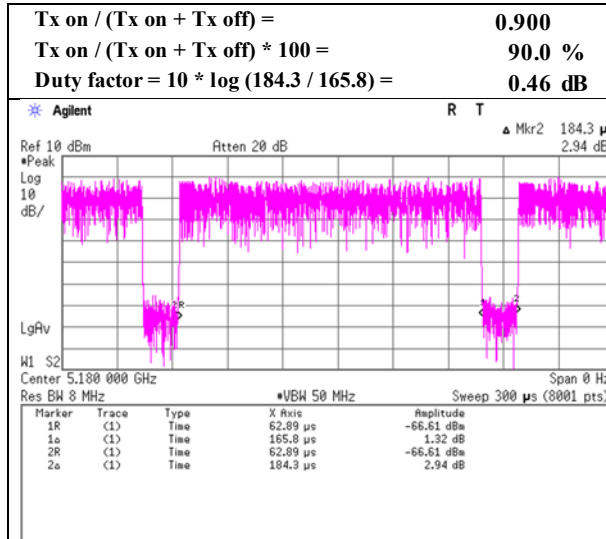
11a 54 Mbps



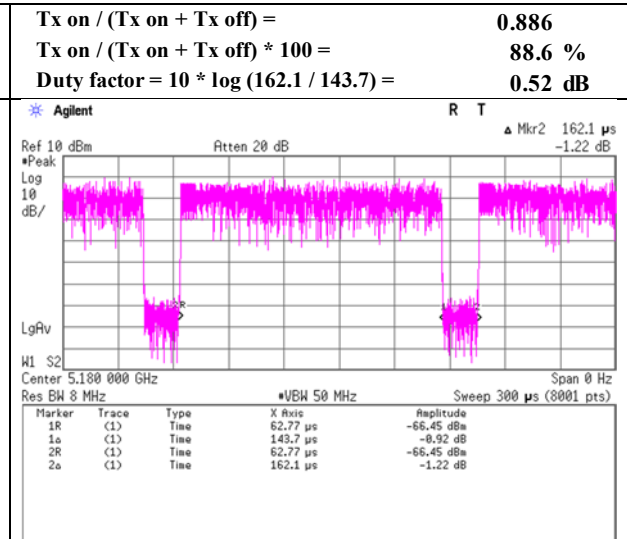
11n-20 MCS 15



11ac-20 MCS 8



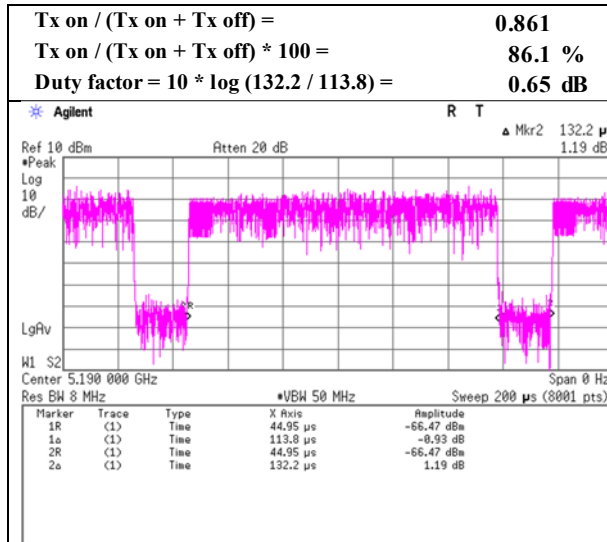
11ax-20 (OFDM) MCS 9



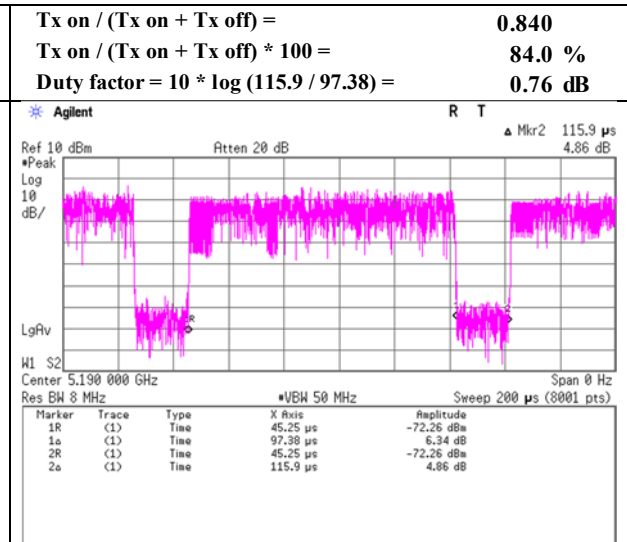
Burst rate confirmation

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Akihiko Maeda
Mode Tx

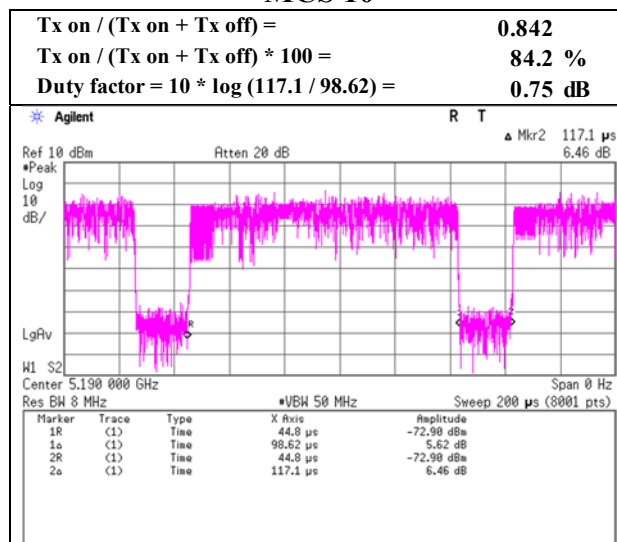
11n-40 MCS 15



11ac-40 MCS 9



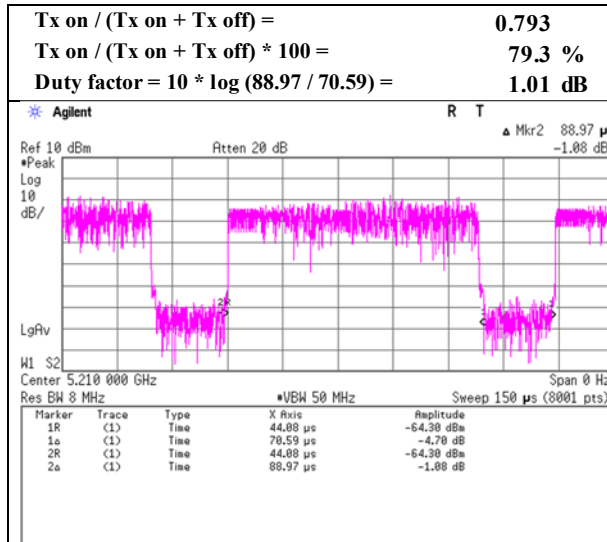
11ax-40 (OFDM) MCS 10



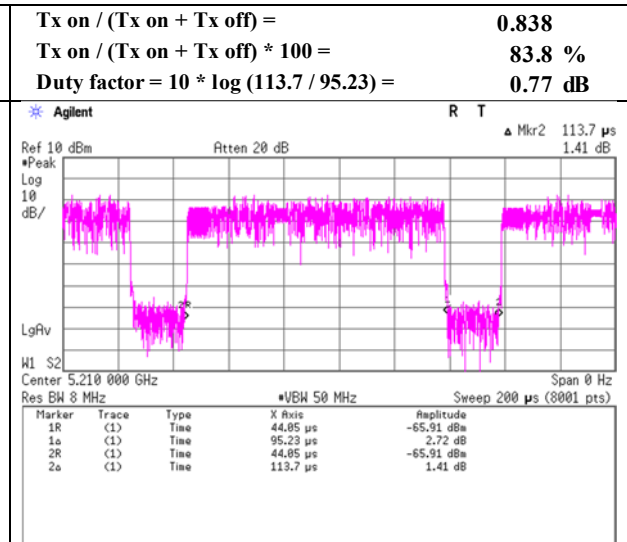
Burst rate confirmation

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 22, 2019
Temperature / Humidity 22 deg. C / 38 % RH
Engineer Akihiko Maeda
Mode Tx

11ac-80 MCS 9



11ax-80 (OFDM) MCS 10



UL Japan, Inc.

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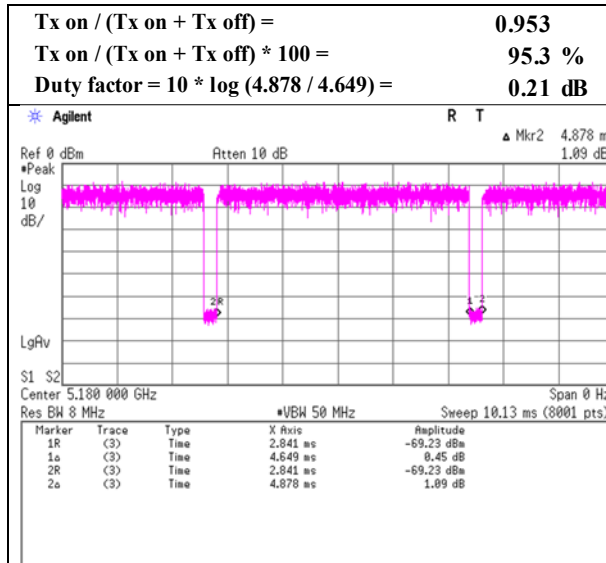
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

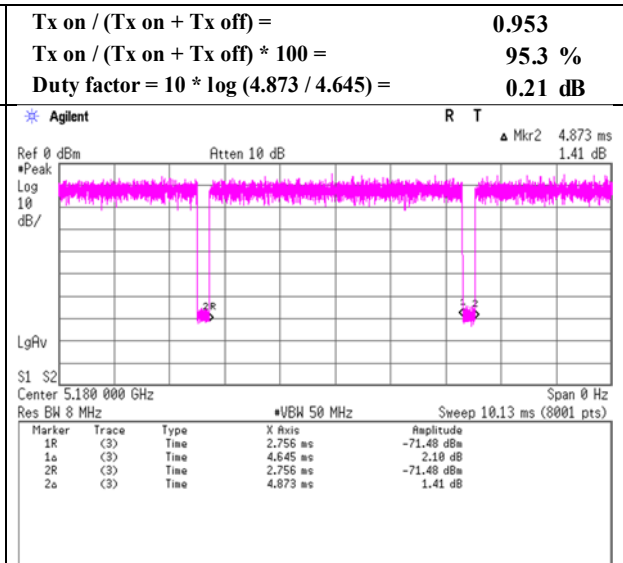
Burst rate confirmation

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020 April 1, 2020
Temperature / Humidity 23 deg. C / 35 % RH 24 deg. C / 47 % RH
Engineer Takafumi Noguchi Takafumi Noguchi
Mode Tx

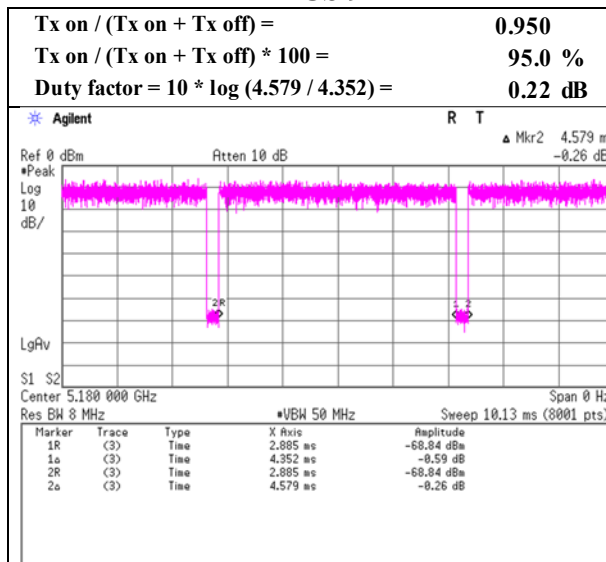
11ax-20 (26-tone RU) MCS 9



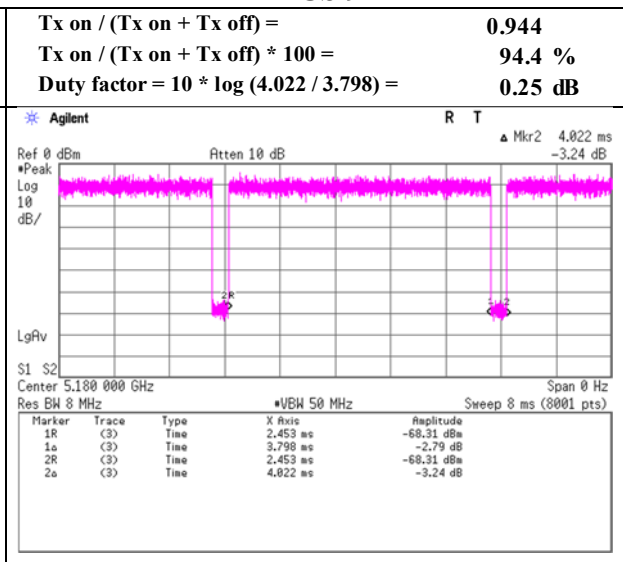
11ax-20 (52-tone RU) MCS 9



11ax-20 (106-tone RU) MCS 9



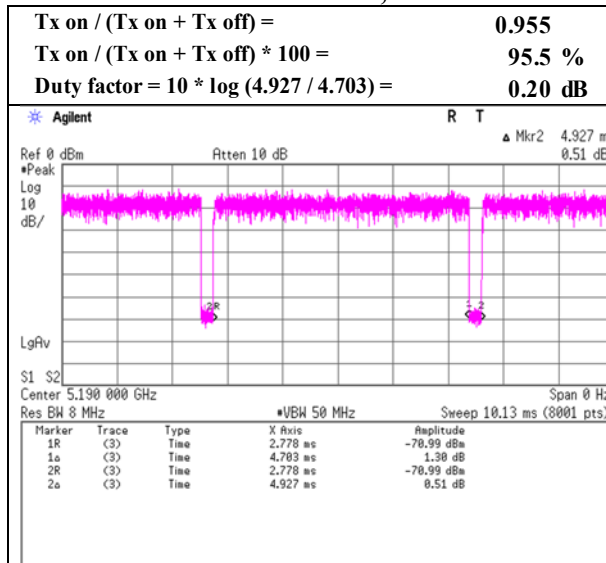
11ax-20 (242-tone RU) MCS 9



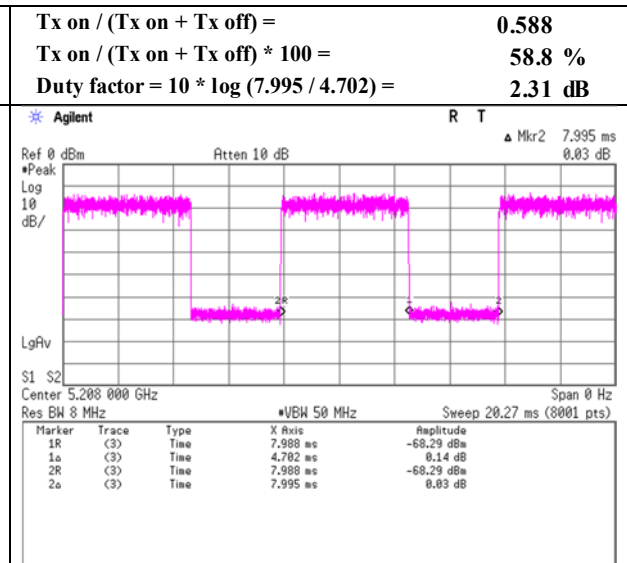
Burst rate confirmation

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Takafumi Noguchi
Mode Tx

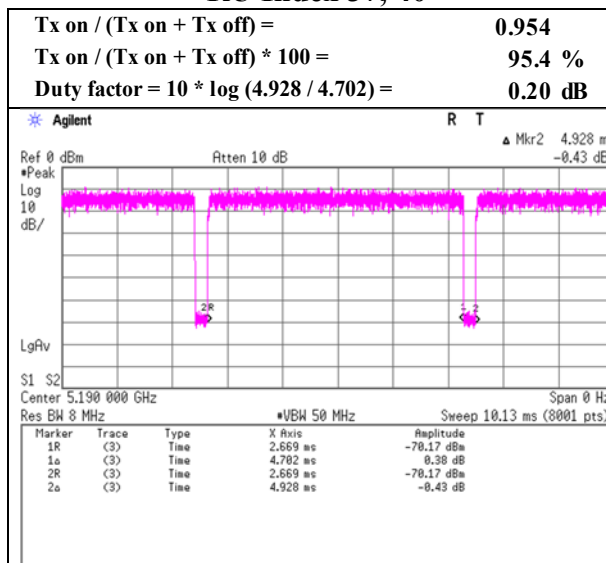
11ax-40 (26-tone RU) MCS 10 RU Index 0, 8



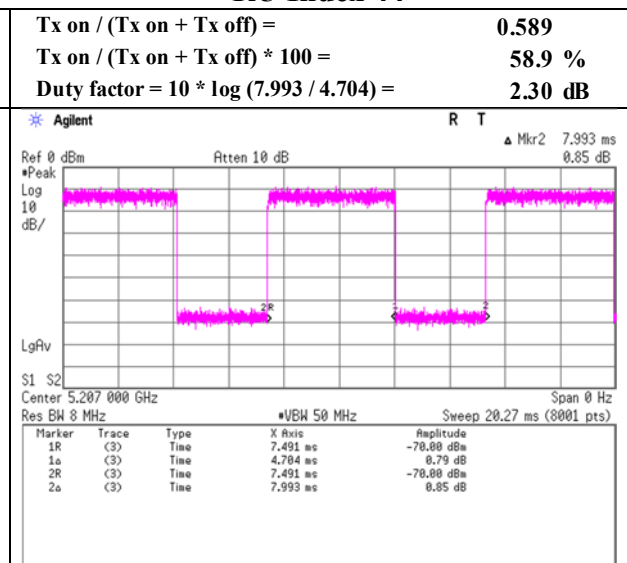
11ax-40 (26-tone RU) MCS 10 RU Index 17



11ax-40 (52-tone RU) MCS 10 RU Index 37, 40



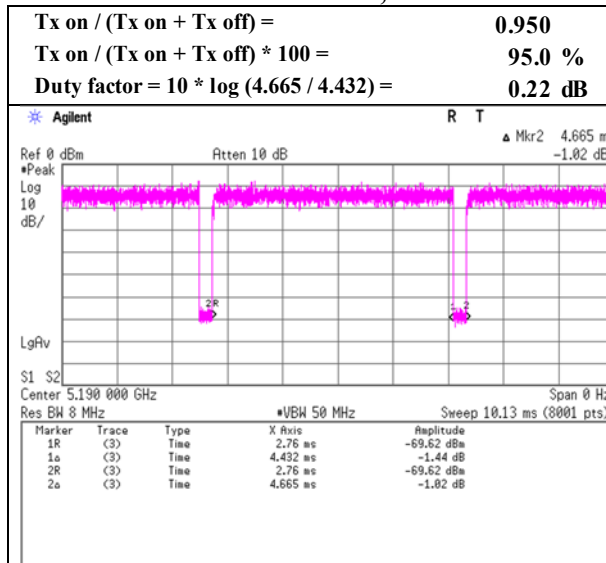
11ax-40 (52-tone RU) MCS 10 RU Index 44



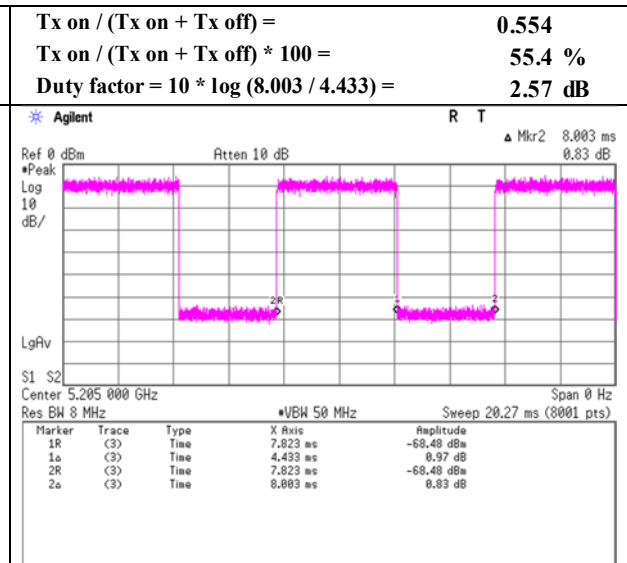
Burst rate confirmation

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Takafumi Noguchi
Mode Tx

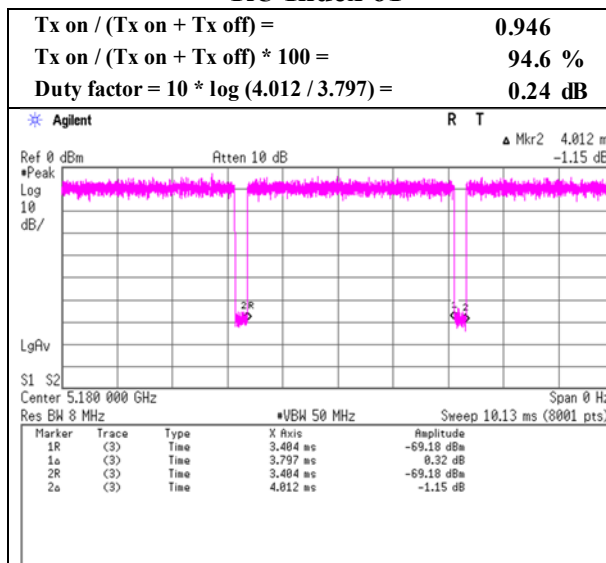
11ax-40 (106-tone RU) MCS 10 RU Index 53, 54



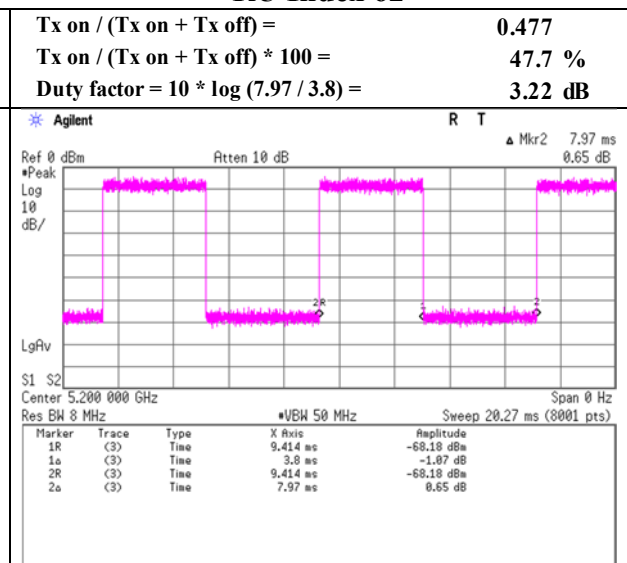
11ax-40 (106-tone RU) MCS 10 RU Index 56



11ax-40 (242-tone RU) MCS 10 RU Index 61



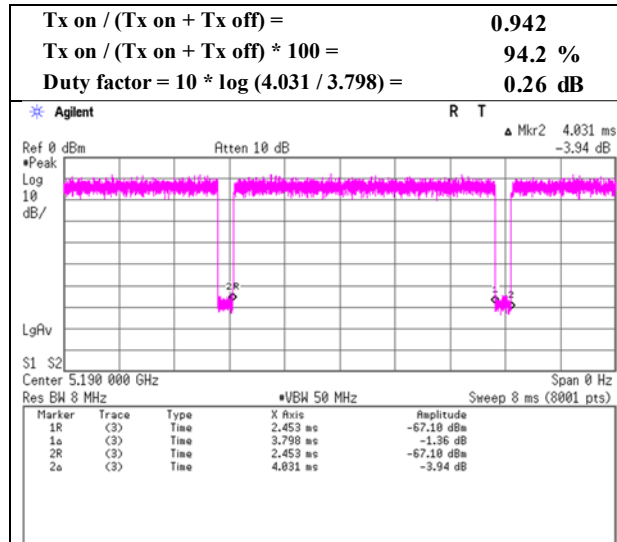
11ax-40 (242-tone RU) MCS 10 RU Index 62



Burst rate confirmation

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date April 1, 2020
Temperature / Humidity 24 deg. C / 47 % RH
Engineer Takafumi Noguchi
Mode Tx

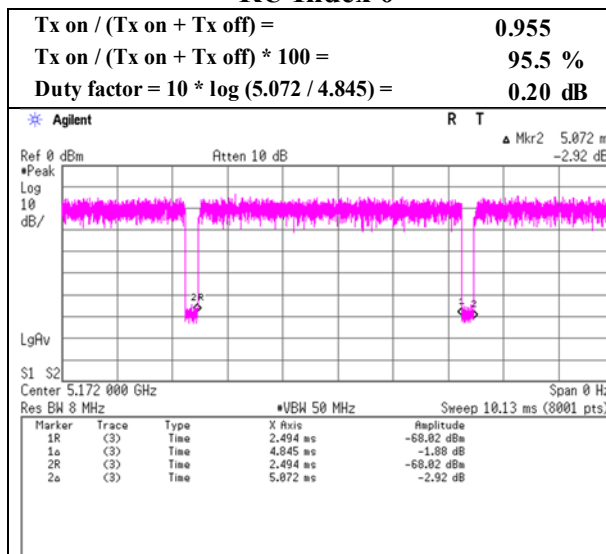
11ax-40 (484-tone RU) MCS 10



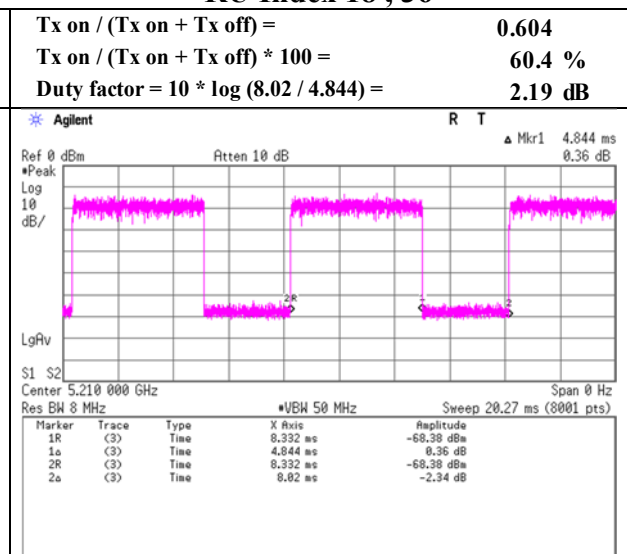
Burst rate confirmation

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Takafumi Noguchi
Mode Tx

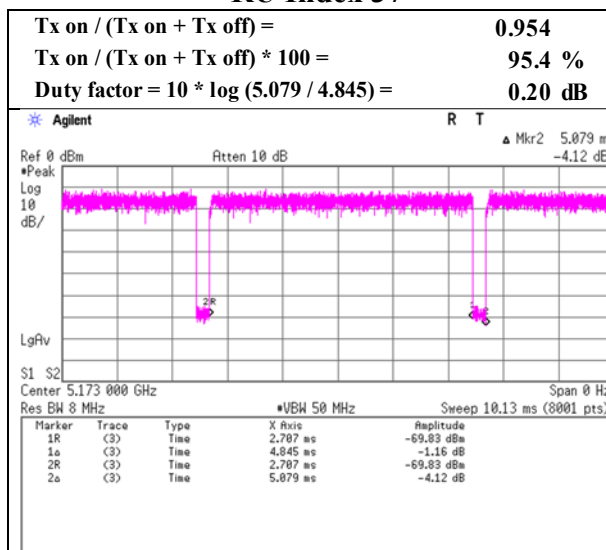
11ax-80 (26-tone RU) MCS 10 RU Index 0



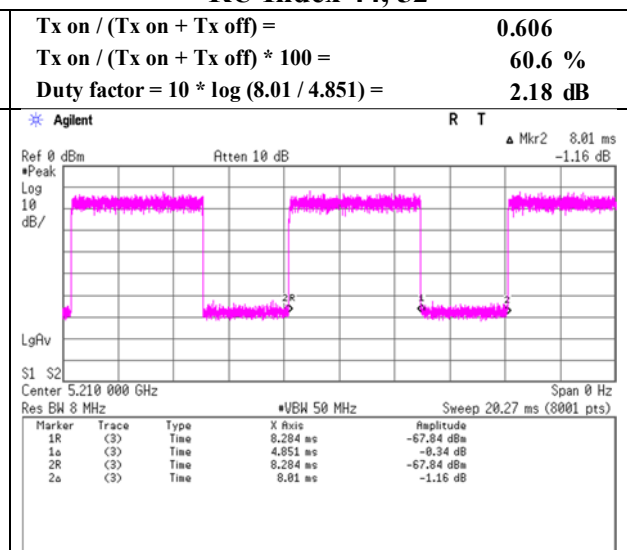
11ax-80 (26-tone RU) MCS 10 RU Index 18, 36



11ax-80 (52-tone RU) MCS 10 RU Index 37



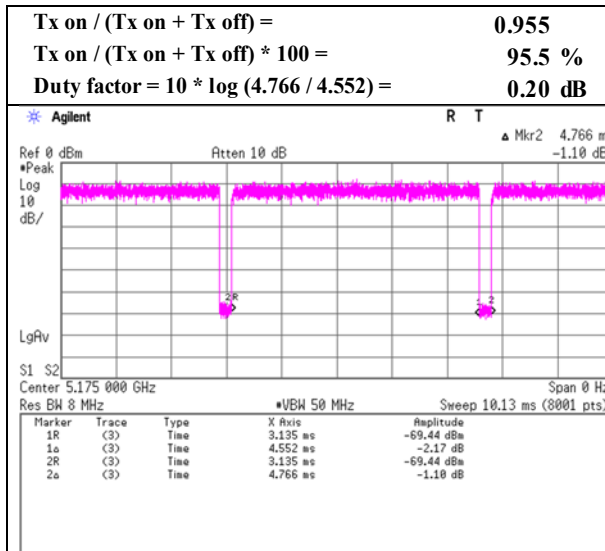
11ax-80 (52-tone RU) MCS 10 RU Index 44, 52



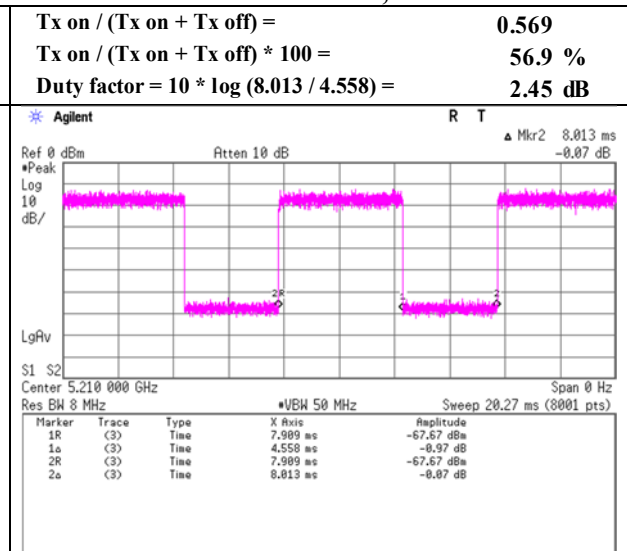
Burst rate confirmation

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 27, 2020
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Takafumi Noguchi
Mode Tx

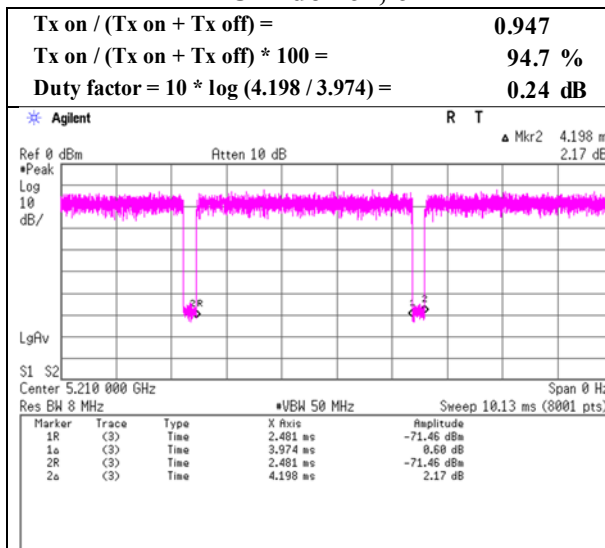
11ax-80 (106-tone RU) MCS 10 RU Index 53



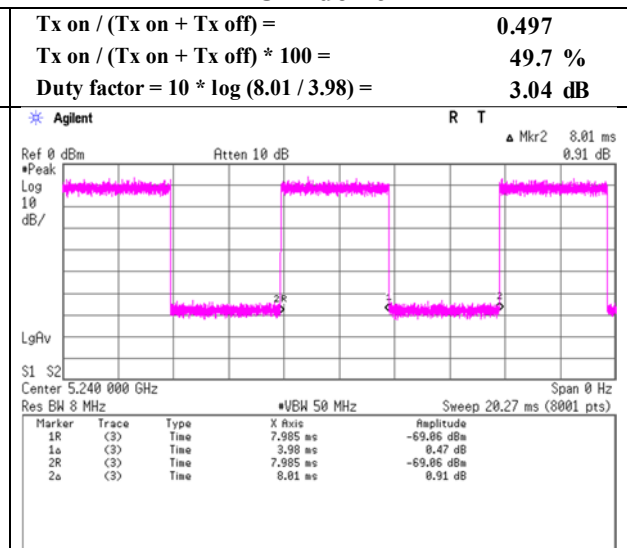
11ax-80 (106-tone RU) MCS 10 RU Index 56, 60



11ax-80 (242-tone RU) MCS 10 RU Index 61, 62



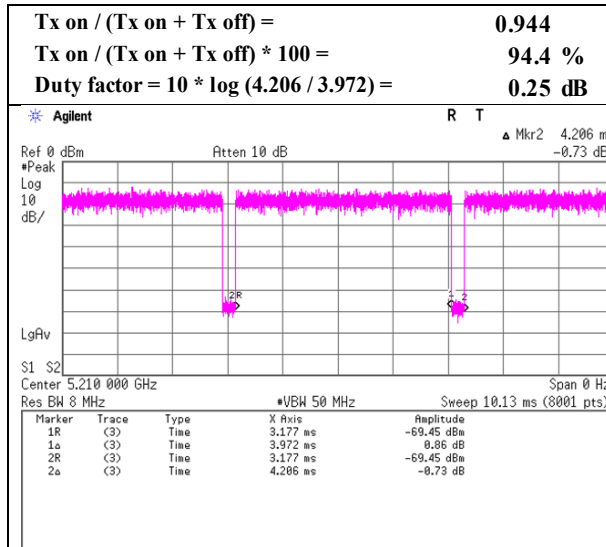
11ax-80 (242-tone RU) MCS 10 RU Index 64



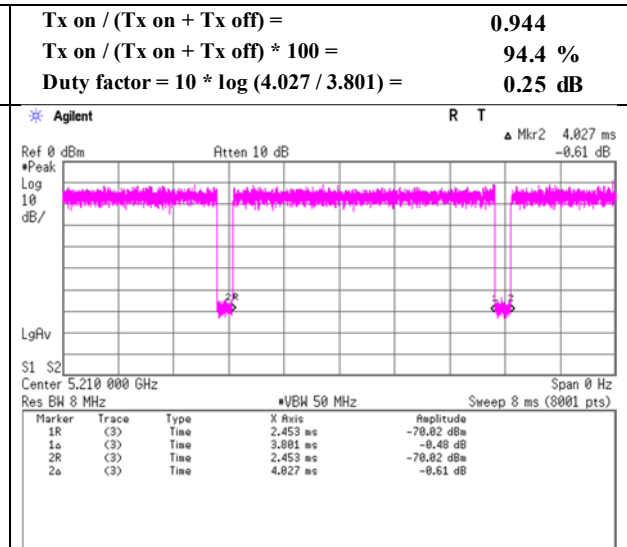
Burst rate confirmation

Report No.	13170804H	
Test place	Ise EMC Lab. No.3 Measurement Room	
Date	February 27, 2020	April 1, 2020
Temperature / Humidity	23 deg. C / 35 % RH	24 deg. C / 47 % RH
Engineer	Takafumi Noguchi	Takafumi Noguchi
Mode	Tx	

11ax-80 (484-tone RU) MCS 10



11ax-80 (996-tone RU) MCS 10



UL Japan, Inc.

Ise EMC Lab.

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 19, 2019 December 22, 2019
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 38 % RH
Engineer Akihiko Maeda Akihiko Maeda
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			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	0.30	0.26	0.56	-2.52	9.71	12.23	1.63	1.37	3.00	4.77	17.00	12.23
5220	0.31	0.29	0.60	-2.22	9.71	11.93	1.68	1.53	3.21	5.07	17.00	11.93
5240	0.32	0.29	0.61	-2.16	9.71	11.87	1.71	1.55	3.26	5.13	17.00	11.87
5260	0.44	0.43	0.87	-0.60	9.71	10.31	2.38	2.29	4.66	6.69	17.00	10.31
5300	0.40	0.43	0.83	-0.82	9.71	10.53	2.16	2.28	4.44	6.47	17.00	10.53
5320	0.37	0.42	0.78	-1.08	9.71	10.79	1.96	2.22	4.18	6.21	17.00	10.79
5500	0.31	0.36	0.67	-1.74	9.71	11.45	1.66	1.92	3.59	5.55	17.00	11.45
5580	0.40	0.44	0.84	-0.78	9.71	10.49	2.13	2.35	4.48	6.51	17.00	10.49
5700	0.40	0.42	0.82	-0.85	9.71	10.56	2.14	2.27	4.41	6.44	17.00	10.56
5720	0.50	0.44	0.94	-0.25	9.71	9.96	2.68	2.38	5.06	7.04	17.00	9.96
5745	0.22	0.24	0.46	-3.36	28.71	32.07	1.17	1.30	2.47	3.93	36.00	32.07
5785	0.21	0.25	0.46	-3.34	28.71	32.05	1.14	1.34	2.48	3.95	36.00	32.05
5825	0.23	0.26	0.48	-3.15	28.71	31.86	1.22	1.37	2.59	4.14	36.00	31.86

Tested Frequency [MHz]	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1					Antenna 3				
			PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result
			[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]
5180	0.21	0.00	-16.53	1.10	10.06	7.29	-5.16	2.13	-17.06	1.10	9.82	7.29
5220	0.21	0.00	-16.40	1.10	10.06	7.29	-5.03	2.26	-16.58	1.10	9.82	7.29
5240	0.21	0.00	-16.34	1.10	10.06	7.29	-4.97	2.32	-16.52	1.10	9.82	7.29
5260	0.21	0.00	-14.91	1.11	10.06	7.29	-3.53	3.76	-14.84	1.11	9.82	7.29
5300	0.21	0.00	-15.33	1.11	10.06	7.29	-3.95	3.34	-14.86	1.11	9.82	7.29
5320	0.21	0.00	-15.75	1.11	10.05	7.29	-4.38	2.92	-14.96	1.11	9.82	7.29
5500	0.21	0.00	-16.54	1.21	10.04	7.29	-5.08	2.21	-15.69	1.21	9.82	7.29
5580	0.21	0.00	-15.50	1.22	10.06	7.29	-4.01	3.29	-14.85	1.22	9.83	7.29
5700	0.21	0.00	-15.49	1.22	10.08	7.29	-3.98	3.31	-15.00	1.22	9.84	7.29
5720	0.21	0.00	-14.52	1.22	10.08	7.29	-3.01	4.28	-14.79	1.22	9.84	7.29
5745	0.21	0.27	-18.41	1.23	10.09	7.29	-6.62	0.67	-17.70	1.23	9.85	7.29
5785	0.21	0.27	-18.52	1.23	10.09	7.29	-6.72	0.57	-17.56	1.23	9.85	7.29
5825	0.21	0.27	-18.23	1.23	10.10	7.29	-6.42	0.87	-17.49	1.23	9.85	7.29

Sample Calculation:

PSD: Power Spectral Density

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

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

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 19, 2019 December 22, 2019
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 38 % RH
Engineer Akihiko Maeda Akihiko Maeda
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	0.32	0.24	0.56	-2.52	9.71	12.23	1.70	1.30	3.00	4.77	17.00	12.23
5220	0.32	0.25	0.57	-2.44	9.71	12.15	1.70	1.35	3.06	4.85	17.00	12.15
5240	0.32	0.26	0.58	-2.37	9.71	12.08	1.73	1.38	3.10	4.92	17.00	12.08
5260	0.40	0.36	0.76	-1.19	9.71	10.90	2.13	1.95	4.07	6.10	17.00	10.90
5300	0.36	0.38	0.74	-1.33	9.71	11.04	1.93	2.01	3.94	5.96	17.00	11.04
5320	0.38	0.37	0.75	-1.26	9.71	10.97	2.02	1.99	4.01	6.03	17.00	10.97
5500	0.34	0.36	0.70	-1.57	9.71	11.28	1.82	1.92	3.74	5.72	17.00	11.28
5580	0.39	0.40	0.79	-1.04	9.71	10.75	2.09	2.13	4.22	6.25	17.00	10.75
5700	0.44	0.41	0.85	-0.72	9.71	10.43	2.35	2.20	4.54	6.57	17.00	10.43
5720	0.51	0.41	0.91	-0.39	9.71	10.10	2.72	2.17	4.90	6.90	17.00	10.10
5745	0.24	0.24	0.48	-3.23	28.71	31.94	1.27	1.28	2.55	4.06	36.00	31.94
5785	0.21	0.24	0.45	-3.45	28.71	32.16	1.13	1.29	2.42	3.84	36.00	32.16
5825	0.22	0.25	0.47	-3.27	28.71	31.98	1.18	1.34	2.52	4.02	36.00	31.98

Tested Frequency [MHz]	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1					Antenna 3				
			PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result
			[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]
5180	0.41	0.00	-16.55	1.10	10.06	7.29	-4.98	2.31	-17.49	1.10	9.82	7.29
5220	0.41	0.00	-16.55	1.10	10.06	7.29	-4.98	2.31	-17.31	1.10	9.82	7.29
5240	0.41	0.00	-16.48	1.10	10.06	7.29	-4.91	2.38	-17.23	1.10	9.82	7.29
5260	0.41	0.00	-15.60	1.11	10.06	7.29	-4.02	3.27	-15.74	1.11	9.82	7.29
5300	0.41	0.00	-16.02	1.11	10.06	7.29	-4.44	2.86	-15.60	1.11	9.82	7.29
5320	0.41	0.00	-15.80	1.11	10.05	7.29	-4.23	3.06	-15.65	1.11	9.82	7.29
5500	0.41	0.00	-16.36	1.21	10.04	7.29	-4.70	2.59	-15.90	1.21	9.82	7.29
5580	0.41	0.00	-15.78	1.22	10.06	7.29	-4.09	3.20	-15.47	1.22	9.83	7.29
5700	0.41	0.00	-15.30	1.22	10.08	7.29	-3.59	3.70	-15.34	1.22	9.84	7.29
5720	0.41	0.00	-14.65	1.22	10.08	7.29	-2.94	4.35	-15.39	1.22	9.84	7.29
5745	0.41	0.27	-18.25	1.23	10.09	7.29	-6.25	1.04	-17.99	1.23	9.85	7.29
5785	0.41	0.27	-18.78	1.23	10.09	7.29	-6.78	0.51	-17.93	1.23	9.85	7.29
5825	0.41	0.27	-18.58	1.23	10.10	7.29	-6.57	0.72	-17.77	1.23	9.85	7.29

Sample Calculation:

PSD: Power Spectral Density

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

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

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 19, 2019 December 22, 2019
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 38 % RH
Engineer Akihiko Maeda Akihiko Maeda
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			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]
5180	0.31	0.23	0.54	-2.70	9.71	12.41	1.66	1.22	2.88	4.59	17.00	12.41
5220	0.30	0.25	0.55	-2.63	9.71	12.34	1.60	1.33	2.92	4.66	17.00	12.34
5240	0.30	0.27	0.57	-2.45	9.71	12.16	1.61	1.44	3.05	4.84	17.00	12.16
5260	0.39	0.41	0.79	-1.00	9.71	10.71	2.08	2.18	4.26	6.29	17.00	10.71
5300	0.35	0.37	0.72	-1.41	9.71	11.12	1.87	2.01	3.88	5.88	17.00	11.12
5320	0.35	0.37	0.71	-1.46	9.71	11.17	1.85	1.98	3.83	5.83	17.00	11.17
5500	0.33	0.35	0.68	-1.68	9.71	11.39	1.79	1.85	3.64	5.61	17.00	11.39
5580	0.42	0.41	0.82	-0.84	9.71	10.55	2.23	2.19	4.42	6.45	17.00	10.55
5700	0.42	0.40	0.83	-0.83	9.71	10.54	2.26	2.17	4.43	6.46	17.00	10.54
5720	0.47	0.42	0.90	-0.48	9.71	10.19	2.52	2.28	4.80	6.81	17.00	10.19
5745	0.24	0.24	0.48	-3.20	28.71	31.91	1.29	1.28	2.57	4.09	36.00	31.91
5785	0.23	0.20	0.43	-3.66	28.71	32.37	1.24	1.07	2.31	3.63	36.00	32.37
5825	0.22	0.24	0.47	-3.31	28.71	32.02	1.19	1.31	2.50	3.98	36.00	32.02

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]
5180	0.46	0.00	-16.71	1.10	10.06	7.29	-5.09	2.20	-17.81	1.10	9.82	7.29	-6.43	0.86
5220	0.46	0.00	-16.88	1.10	10.06	7.29	-5.26	2.03	-17.44	1.10	9.82	7.29	-6.06	1.23
5240	0.46	0.00	-16.84	1.10	10.06	7.29	-5.22	2.07	-17.09	1.10	9.82	7.29	-5.71	1.58
5260	0.46	0.00	-15.74	1.11	10.06	7.29	-4.11	3.18	-15.30	1.11	9.82	7.29	-3.91	3.38
5300	0.46	0.00	-16.20	1.11	10.06	7.29	-4.57	2.72	-15.66	1.11	9.82	7.29	-4.27	3.02
5320	0.46	0.00	-16.24	1.11	10.05	7.29	-4.62	2.67	-15.72	1.11	9.82	7.29	-4.33	2.96
5500	0.46	0.00	-16.47	1.21	10.04	7.29	-4.76	2.53	-16.11	1.21	9.82	7.29	-4.62	2.67
5580	0.46	0.00	-15.55	1.22	10.06	7.29	-3.81	3.48	-15.40	1.22	9.83	7.29	-3.89	3.40
5700	0.46	0.00	-15.51	1.22	10.08	7.29	-3.75	3.54	-15.45	1.22	9.84	7.29	-3.93	3.36
5720	0.46	0.00	-15.04	1.22	10.08	7.29	-3.28	4.01	-15.24	1.22	9.84	7.29	-3.72	3.57
5745	0.46	0.27	-18.24	1.23	10.09	7.29	-6.19	1.10	-18.04	1.23	9.85	7.29	-6.23	1.06
5785	0.46	0.27	-18.42	1.23	10.09	7.29	-6.37	0.92	-18.80	1.23	9.85	7.29	-6.99	0.30
5825	0.46	0.27	-18.58	1.23	10.10	7.29	-6.52	0.77	-17.93	1.23	9.85	7.29	-6.12	1.17

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 19, 2019 December 22, 2019
Temperature / Humidity 23 deg. C / 40 % RH 22 deg. C / 38 % RH
Engineer Akihiko Maeda Akihiko Maeda
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	0.31	0.23	0.54	-2.69	9.71	12.40	1.67	1.22	2.88	4.60	17.00	12.40
5220	0.30	0.26	0.56	-2.55	9.71	12.26	1.59	1.39	2.98	4.74	17.00	12.26
5240	0.32	0.28	0.59	-2.28	9.71	11.99	1.69	1.48	3.17	5.01	17.00	11.99
5260	0.41	0.37	0.79	-1.04	9.71	10.75	2.21	2.00	4.21	6.25	17.00	10.75
5300	0.36	0.39	0.75	-1.23	9.71	10.94	1.95	2.09	4.04	6.06	17.00	10.94
5320	0.33	0.41	0.74	-1.28	9.71	10.99	1.79	2.20	3.99	6.01	17.00	10.99
5500	0.36	0.36	0.73	-1.39	9.71	11.10	1.95	1.94	3.89	5.90	17.00	11.10
5580	0.44	0.42	0.86	-0.64	9.71	10.35	2.37	2.25	4.63	6.65	17.00	10.35
5700	0.45	0.41	0.86	-0.67	9.71	10.38	2.40	2.20	4.59	6.62	17.00	10.38
5720	0.49	0.39	0.87	-0.58	9.71	10.29	2.62	2.06	4.68	6.71	17.00	10.29
5745	0.24	0.24	0.48	-3.19	28.71	31.90	1.26	1.31	2.57	4.10	36.00	31.90
5785	0.23	0.24	0.47	-3.25	28.71	31.96	1.24	1.30	2.54	4.04	36.00	31.96
5825	0.25	0.26	0.51	-2.92	28.71	31.63	1.35	1.38	2.73	4.37	36.00	31.63

			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	
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p.	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p.
5180	0.52	0.00	-16.75	1.10	10.06	7.29	-5.07	2.22	-17.88	1.10	9.82	7.29	-6.44	0.85
5220	0.52	0.00	-16.96	1.10	10.06	7.29	-5.28	2.01	-17.31	1.10	9.82	7.29	-5.87	1.42
5240	0.52	0.00	-16.69	1.10	10.06	7.29	-5.01	2.28	-17.04	1.10	9.82	7.29	-5.60	1.70
5260	0.52	0.00	-15.54	1.11	10.06	7.29	-3.85	3.44	-15.72	1.11	9.82	7.29	-4.27	3.02
5300	0.52	0.00	-16.08	1.11	10.06	7.29	-4.39	2.90	-15.54	1.11	9.82	7.29	-4.09	3.20
5320	0.52	0.00	-16.44	1.11	10.05	7.29	-4.76	2.53	-15.32	1.11	9.82	7.29	-3.87	3.42
5500	0.52	0.00	-16.16	1.21	10.04	7.29	-4.39	2.90	-15.96	1.21	9.82	7.29	-4.41	2.88
5580	0.52	0.00	-15.34	1.22	10.06	7.29	-3.54	3.75	-15.33	1.22	9.83	7.29	-3.76	3.53
5700	0.52	0.00	-15.31	1.22	10.08	7.29	-3.49	3.80	-15.45	1.22	9.84	7.29	-3.87	3.42
5720	0.52	0.00	-14.93	1.22	10.08	7.29	-3.11	4.18	-15.73	1.22	9.84	7.29	-4.15	3.15
5745	0.52	0.27	-18.39	1.23	10.09	7.29	-6.28	1.01	-17.98	1.23	9.85	7.29	-6.11	1.18
5785	0.52	0.27	-18.46	1.23	10.09	7.29	-6.35	0.94	-18.04	1.23	9.85	7.29	-6.17	1.12
5825	0.52	0.27	-18.09	1.23	10.10	7.29	-5.97	1.32	-17.77	1.23	9.85	7.29	-5.90	1.39

Sample Calculation:

PSD: Power Spectral Density

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

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

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)

Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 5, 2020
Temperature / Humidity 23 deg. C / 35 % RH 24 deg. C / 31 % RH 24 deg. C / 30 % RH
Engineer Takafumi Noguchi Takafumi Noguchi Takafumi Noguchi
Mode Tx 11ax-20 (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]	
5180	0	0.24	0.16	0.39	-4.07	9.71	13.78		1.26	0.84	2.10	3.22	17.00	13.78	
	4	0.17	0.13	0.30	-5.16	9.71	14.87		0.92	0.71	1.63	2.13	17.00	14.87	
	8	0.22	0.18	0.40	-3.93	9.71	13.64		1.19	0.97	2.17	3.36	17.00	13.64	
5220	0	0.24	0.21	0.45	-3.47	9.71	13.18		1.27	1.15	2.41	3.82	17.00	13.18	
	4	0.17	0.15	0.32	-4.92	9.71	14.63		0.90	0.82	1.72	2.37	17.00	14.63	
	8	0.21	0.21	0.42	-3.72	9.71	13.43		1.15	1.12	2.27	3.57	17.00	13.43	
5240	0	0.23	0.21	0.43	-3.66	9.71	13.37		1.21	1.10	2.31	3.63	17.00	13.37	
	4	0.16	0.15	0.31	-5.05	9.71	14.76		0.87	0.81	1.68	2.24	17.00	14.76	
	8	0.24	0.21	0.45	-3.42	9.71	13.13		1.30	1.14	2.44	3.87	17.00	13.13	
5260	0	0.31	0.32	0.63	-1.98	9.71	11.69		1.67	1.73	3.40	5.31	17.00	11.69	
	4	0.27	0.24	0.50	-2.98	9.71	12.69		1.43	1.26	2.70	4.31	17.00	12.69	
	8	0.33	0.31	0.64	-1.97	9.71	11.68		1.76	1.65	3.41	5.32	17.00	11.68	
5300	0	0.29	0.31	0.59	-2.26	9.71	11.97		1.53	1.65	3.18	5.03	17.00	11.97	
	4	0.23	0.24	0.47	-3.27	9.71	12.98		1.25	1.27	2.52	4.02	17.00	12.98	
	8	0.32	0.33	0.65	-1.89	9.71	11.60		1.71	1.75	3.47	5.40	17.00	11.60	
5320	0	0.29	0.34	0.63	-2.02	9.71	11.73		1.55	1.81	3.36	5.27	17.00	11.73	
	4	0.24	0.25	0.48	-3.16	9.71	12.87		1.26	1.32	2.59	4.13	17.00	12.87	
	8	0.28	0.33	0.62	-2.10	9.71	11.81		1.52	1.78	3.31	5.19	17.00	11.81	

Antenna 1																Antenna 3					
Tested Frequency [MHz]	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							
								Cond.	e.i.r.p.					Cond.	e.i.r.p.						
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]					[dBm/MHz]	[dBm/MHz]						
5180	0	0.21	0.00	-22.24	5.93	9.82	7.29	-6.28	1.02	-24.03	5.93	9.82	7.29	-8.07	-0.78						
	4	0.21	0.00	-23.59	5.93	9.82	7.29	-7.63	-0.34	-24.76	5.93	9.82	7.29	-8.80	-1.51						
	8	0.21	0.00	-22.48	5.93	9.82	7.29	-6.52	0.77	-23.36	5.93	9.82	7.29	-7.40	-0.11						
5220	0	0.21	0.00	-22.20	5.91	9.82	7.29	-6.26	1.03	-22.64	5.91	9.82	7.29	-6.70	0.59						
	4	0.21	0.00	-23.67	5.91	9.82	7.29	-7.73	-0.44	-24.09	5.91	9.82	7.29	-8.15	-0.86						
	8	0.21	0.00	-22.62	5.91	9.82	7.29	-6.68	0.61	-22.72	5.91	9.82	7.29	-6.78	0.51						
5240	0	0.21	0.00	-22.40	5.89	9.82	7.29	-6.48	0.81	-22.79	5.89	9.82	7.29	-6.87	0.42						
	4	0.21	0.00	-23.82	5.89	9.82	7.29	-7.90	-0.61	-24.14	5.89	9.82	7.29	-8.22	-0.93						
	8	0.21	0.00	-22.07	5.89	9.82	7.29	-6.15	1.14	-22.66	5.89	9.82	7.29	-6.74	0.55						
5260	0	0.21	0.00	-21.00	5.89	9.82	7.29	-5.08	2.22	-20.82	5.89	9.82	7.29	-4.90	2.39						
	4	0.21	0.00	-21.65	5.89	9.82	7.29	-5.73	1.56	-22.19	5.89	9.82	7.29	-6.27	1.02						
	8	0.21	0.00	-20.77	5.89	9.82	7.29	-4.85	2.44	-21.03	5.89	9.82	7.29	-5.11	2.18						
5300	0	0.21	0.00	-21.33	5.86	9.82	7.29	-5.44	1.85	-21.00	5.86	9.82	7.29	-5.11	2.18						
	4	0.21	0.00	-22.20	5.86	9.82	7.29	-6.31	0.98	-22.14	5.86	9.82	7.29	-6.25	1.04						
	8	0.21	0.00	-20.85	5.86	9.82	7.29	-4.96	2.33	-20.74	5.86	9.82	7.29	-4.85	2.44						
5320	0	0.21	0.00	-21.26	5.84	9.82	7.29	-5.39	1.91	-20.58	5.84	9.82	7.29	-4.71	2.58						
	4	0.21	0.00	-22.15	5.84	9.82	7.29	-6.28	1.01	-21.94	5.84	9.82	7.29	-6.07	1.22						
	8	0.21	0.00	-21.33	5.84	9.82	7.29	-5.46	1.83	-20.65	5.84	9.82	7.29	-4.78	2.51						

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.

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Telephone : +81 596 24 8999

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 5, 2020
Temperature / Humidity 23 deg. C / 35 % RH 24 deg. C / 31 % RH 24 deg. C / 30 % RH
Engineer Takafumi Noguchi Takafumi Noguchi Takafumi Noguchi
Mode Tx 11ax-20 (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]	
5500	0	0.24	0.32	0.56	-2.55	9.71	12.26		1.28	1.70	2.98	4.74	17.00	12.26	
	4	0.18	0.22	0.40	-4.01	9.71	13.72		0.96	1.17	2.13	3.28	17.00	13.72	
	8	0.25	0.30	0.55	-2.61	9.71	12.32		1.36	1.58	2.94	4.68	17.00	12.32	
5580	0	0.31	0.35	0.67	-1.77	9.71	11.48		1.68	1.89	3.57	5.52	17.00	11.48	
	4	0.25	0.26	0.51	-2.95	9.71	12.66		1.31	1.40	2.72	4.34	17.00	12.66	
	8	0.32	0.36	0.68	-1.71	9.71	11.42		1.70	1.92	3.62	5.58	17.00	11.42	
5700	0	0.34	0.38	0.71	-1.46	9.71	11.17		1.81	2.02	3.82	5.83	17.00	11.17	
	4	0.26	0.26	0.52	-2.84	9.71	12.55		1.39	1.40	2.79	4.45	17.00	12.55	
	8	0.34	0.35	0.69	-1.62	9.71	11.33		1.81	1.88	3.69	5.67	17.00	11.33	
5720	0	0.32	0.34	0.66	-1.79	9.71	11.50		1.72	1.83	3.55	5.50	17.00	11.50	
	4	0.25	0.26	0.51	-2.97	9.71	12.68		1.33	1.38	2.71	4.32	17.00	12.68	
	8	0.32	0.33	0.65	-1.90	9.71	11.61		1.71	1.75	3.46	5.39	17.00	11.61	
5745	0	0.21	0.17	0.38	-4.24	28.71	32.95		1.10	0.92	2.02	3.05	36.00	32.95	
	4	0.17	0.17	0.34	-4.72	28.71	33.43		0.90	0.91	1.81	2.57	36.00	33.43	
	8	0.19	0.20	0.39	-4.10	28.71	32.81		1.03	1.06	2.08	3.19	36.00	32.81	
5785	0	0.21	0.17	0.38	-4.16	28.71	32.87		1.13	0.93	2.06	3.13	36.00	32.87	
	4	0.16	0.16	0.32	-5.01	28.71	33.72		0.86	0.83	1.69	2.28	36.00	33.72	
	8	0.19	0.19	0.38	-4.26	28.71	32.97		1.01	1.00	2.01	3.03	36.00	32.97	
5825	0	0.21	0.19	0.40	-3.97	28.71	32.68		1.11	1.04	2.15	3.32	36.00	32.68	
	4	0.18	0.17	0.35	-4.55	28.71	33.26		0.98	0.90	1.88	2.74	36.00	33.26	
	8	0.19	0.17	0.36	-4.40	28.71	33.11		1.03	0.92	1.95	2.89	36.00	33.11	

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]	[dB]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dB]	[dBm/MHz]	[dBm/MHz]
5500	0	0.21	0.00	-22.10	5.84	9.82	7.29	-6.23	1.06	-20.85	5.84	9.82	7.29	-4.98	2.31
	4	0.21	0.00	-23.36	5.84	9.82	7.29	-7.49	-0.20	-22.47	5.84	9.82	7.29	-6.60	0.69
	8	0.21	0.00	-21.84	5.84	9.82	7.29	-5.97	1.32	-21.16	5.84	9.82	7.29	-5.29	2.00
5580	0	0.21	0.00	-20.92	5.83	9.83	7.29	-5.05	2.24	-20.40	5.83	9.83	7.29	-4.53	2.77
	4	0.21	0.00	-21.97	5.83	9.83	7.29	-6.10	1.19	-21.69	5.83	9.83	7.29	-5.82	1.47
	8	0.21	0.00	-20.86	5.83	9.83	7.29	-4.99	2.30	-20.33	5.83	9.83	7.29	-4.46	2.83
5700	0	0.21	0.00	-20.61	5.84	9.84	7.29	-4.72	2.57	-20.13	5.84	9.84	7.29	-4.24	3.05
	4	0.21	0.00	-21.76	5.84	9.84	7.29	-5.87	1.42	-21.71	5.84	9.84	7.29	-5.82	1.47
	8	0.21	0.00	-20.60	5.84	9.84	7.29	-4.71	2.58	-20.44	5.84	9.84	7.29	-4.55	2.74
5720	0	0.21	0.00	-20.82	5.84	9.84	7.29	-4.93	2.36	-20.56	5.84	9.84	7.29	-4.67	2.62
	4	0.21	0.00	-21.96	5.84	9.84	7.29	-6.07	1.23	-21.78	5.84	9.84	7.29	-5.89	1.40
	8	0.21	0.00	-20.86	5.84	9.84	7.29	-4.97	2.32	-20.74	5.84	9.84	7.29	-4.85	2.44
5745	0	0.21	0.27	-23.03	5.83	9.85	7.29	-6.87	0.42	-23.82	5.83	9.85	7.29	-7.66	-0.37
	4	0.21	0.27	-23.90	5.83	9.85	7.29	-7.74	-0.45	-23.88	5.83	9.85	7.29	-7.72	-0.43
	8	0.21	0.27	-23.33	5.83	9.85	7.29	-7.17	0.12	-23.22	5.83	9.85	7.29	-7.06	0.23
5785	0	0.21	0.27	-22.93	5.83	9.85	7.29	-6.77	0.52	-23.77	5.83	9.85	7.29	-7.61	-0.32
	4	0.21	0.27	-24.11	5.83	9.85	7.29	-7.95	-0.66	-24.24	5.83	9.85	7.29	-8.08	-0.79
	8	0.21	0.27	-23.41	5.83	9.85	7.29	-7.25	0.04	-23.45	5.83	9.85	7.29	-7.29	0.00
5825	0	0.21	0.27	-23.01	5.84	9.85	7.29	-6.85	0.44	-23.28	5.84	9.85	7.29	-7.11	0.18
	4	0.21	0.27	-23.57	5.84	9.85	7.29	-7.40	-0.11	-23.89	5.84	9.85	7.29	-7.72	-0.43
	8	0.21	0.27	-23.34	5.84	9.85	7.29	-7.17	0.12	-23.83	5.84	9.85	7.29	-7.66	-0.37

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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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 5, 2020
Temperature / Humidity 23 deg. C / 35 % RH 24 deg. C / 31 % RH 24 deg. C / 30 % RH
Engineer Takafumi Noguchi Takafumi Noguchi Takafumi Noguchi
Mode Tx 11ax-20 (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	0.23	0.10	0.33	-4.76	9.71	14.47		1.25	0.54	1.79	2.53	17.00	14.47	
	38	0.25	0.10	0.35	-4.52	9.71	14.23		1.36	0.53	1.89	2.77	17.00	14.23	
	40	0.23	0.11	0.33	-4.76	9.71	14.47		1.22	0.56	1.79	2.53	17.00	14.47	
5220	37	0.25	0.12	0.36	-4.39	9.71	14.10		1.33	0.62	1.95	2.90	17.00	14.10	
	38	0.26	0.11	0.38	-4.24	9.71	13.95		1.42	0.60	2.02	3.05	17.00	13.95	
	40	0.25	0.11	0.36	-4.48	9.71	14.19		1.33	0.58	1.91	2.81	17.00	14.19	
5240	37	0.26	0.23	0.49	-3.09	9.71	12.80		1.39	1.24	2.63	4.20	17.00	12.80	
	38	0.25	0.23	0.48	-3.20	9.71	12.91		1.33	1.24	2.57	4.09	17.00	12.91	
	40	0.25	0.24	0.49	-3.08	9.71	12.79		1.33	1.31	2.64	4.21	17.00	12.79	
5260	37	0.36	0.36	0.72	-1.43	9.71	11.14		1.94	1.91	3.86	5.86	17.00	11.14	
	38	0.40	0.39	0.79	-1.04	9.71	10.75		2.12	2.10	4.22	6.25	17.00	10.75	
	40	0.37	0.33	0.70	-1.56	9.71	11.27		1.98	1.77	3.74	5.73	17.00	11.27	
5300	37	0.36	0.35	0.71	-1.48	9.71	11.19		1.95	1.86	3.81	5.81	17.00	11.19	
	38	0.36	0.38	0.74	-1.32	9.71	11.03		1.91	2.04	3.95	5.97	17.00	11.03	
	40	0.34	0.38	0.72	-1.40	9.71	11.11		1.83	2.05	3.88	5.89	17.00	11.11	
5320	37	0.36	0.37	0.73	-1.37	9.71	11.08		1.93	1.98	3.91	5.92	17.00	11.08	
	38	0.35	0.36	0.72	-1.45	9.71	11.16		1.89	1.95	3.84	5.84	17.00	11.16	
	40	0.32	0.34	0.66	-1.83	9.71	11.54		1.69	1.83	3.52	5.46	17.00	11.54	

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		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 Result	
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond. e.i.r.p.	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond. e.i.r.p.	[dBm/MHz]	[dBm/MHz]
5180	37	0.21	0.00	-22.28	5.93	9.82	7.29	-6.32 0.97	-25.92	5.93	9.82	7.29	-9.96	-2.67	
	38	0.21	0.00	-21.92	5.93	9.82	7.29	-5.96 1.33	-25.97	5.93	9.82	7.29	-10.01	-2.72	
	40	0.21	0.00	-22.37	5.93	9.82	7.29	-6.41 0.88	-25.73	5.93	9.82	7.29	-9.77	-2.48	
5220	37	0.21	0.00	-21.99	5.91	9.82	7.29	-6.05 1.24	-25.32	5.91	9.82	7.29	-9.38	-2.09	
	38	0.21	0.00	-21.72	5.91	9.82	7.29	-5.78 1.51	-25.45	5.91	9.82	7.29	-9.51	-2.22	
	40	0.21	0.00	-22.00	5.91	9.82	7.29	-6.06 1.23	-25.58	5.91	9.82	7.29	-9.64	-2.35	
5240	37	0.21	0.00	-21.79	5.89	9.82	7.29	-5.87 1.43	-22.27	5.89	9.82	7.29	-6.35	0.94	
	38	0.21	0.00	-21.97	5.89	9.82	7.29	-6.05 1.24	-22.29	5.89	9.82	7.29	-6.37	0.92	
	40	0.21	0.00	-21.98	5.89	9.82	7.29	-6.06 1.23	-22.04	5.89	9.82	7.29	-6.12	1.17	
5260	37	0.21	0.00	-20.33	5.89	9.82	7.29	-4.41 2.89	-20.39	5.89	9.82	7.29	-4.47	2.82	
	38	0.21	0.00	-19.94	5.89	9.82	7.29	-4.02 3.27	-20.00	5.89	9.82	7.29	-4.08	3.21	
	40	0.21	0.00	-20.25	5.89	9.82	7.29	-4.33 2.96	-20.74	5.89	9.82	7.29	-4.82	2.47	
5300	37	0.21	0.00	-20.27	5.86	9.82	7.29	-4.38 2.91	-20.48	5.86	9.82	7.29	-4.59	2.70	
	38	0.21	0.00	-20.37	5.86	9.82	7.29	-4.48 2.81	-20.08	5.86	9.82	7.29	-4.19	3.10	
	40	0.21	0.00	-20.57	5.86	9.82	7.29	-4.68 2.62	-20.06	5.86	9.82	7.29	-4.17	3.12	
5320	37	0.21	0.00	-20.30	5.84	9.82	7.29	-4.43 2.86	-20.19	5.84	9.82	7.29	-4.32	2.97	
	38	0.21	0.00	-20.40	5.84	9.82	7.29	-4.53 2.76	-20.26	5.84	9.82	7.29	-4.39	2.90	
	40	0.21	0.00	-20.89	5.84	9.82	7.29	-5.02 2.28	-20.54	5.84	9.82	7.29	-4.67	2.62	

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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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 5, 2020
Temperature / Humidity 23 deg. C / 35 % RH 24 deg. C / 31 % RH 24 deg. C / 30 % RH
Engineer Takafumi Noguchi Takafumi Noguchi Takafumi Noguchi
Mode Tx 11ax-20 (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]
5500	37	0.26	0.35	0.61	-2.15	9.71	11.86	1.41	1.85	3.26	5.14	17.00	11.86
	38	0.27	0.34	0.61	-2.15	9.71	11.86	1.45	1.81	3.26	5.14	17.00	11.86
	40	0.27	0.34	0.61	-2.13	9.71	11.84	1.47	1.81	3.28	5.16	17.00	11.84
5580	37	0.34	0.39	0.73	-1.36	9.71	11.07	1.84	2.08	3.91	5.93	17.00	11.07
	38	0.38	0.43	0.80	-0.94	9.71	10.65	2.03	2.28	4.31	6.35	17.00	10.65
	40	0.35	0.42	0.77	-1.16	9.71	10.87	1.86	2.24	4.10	6.13	17.00	10.87
5700	37	0.36	0.39	0.75	-1.27	9.71	10.98	1.93	2.07	4.00	6.02	17.00	10.98
	38	0.37	0.43	0.80	-0.96	9.71	10.67	1.96	2.33	4.29	6.33	17.00	10.67
	40	0.34	0.40	0.74	-1.30	9.71	11.01	1.83	2.14	3.97	5.99	17.00	11.01
5720	37	0.36	0.38	0.74	-1.29	9.71	11.00	1.93	2.06	3.99	6.00	17.00	11.00
	38	0.37	0.38	0.75	-1.23	9.71	10.94	1.98	2.06	4.04	6.06	17.00	10.94
	40	0.35	0.36	0.71	-1.47	9.71	11.18	1.90	1.92	3.82	5.82	17.00	11.18
5745	37	0.19	0.19	0.38	-4.22	28.71	32.93	1.03	1.00	2.03	3.07	36.00	32.93
	38	0.19	0.19	0.38	-4.25	28.71	32.96	0.99	1.02	2.01	3.04	36.00	32.96
	40	0.19	0.20	0.39	-4.12	28.71	32.83	1.02	1.05	2.07	3.17	36.00	32.83
5785	37	0.22	0.17	0.39	-4.08	28.71	32.79	1.16	0.94	2.09	3.21	36.00	32.79
	38	0.19	0.18	0.37	-4.30	28.71	33.01	1.04	0.95	1.99	2.99	36.00	33.01
	40	0.17	0.19	0.36	-4.40	28.71	33.11	0.94	1.01	1.95	2.89	36.00	33.11
5825	37	0.21	0.19	0.40	-3.99	28.71	32.70	1.10	1.04	2.14	3.30	36.00	32.70
	38	0.21	0.20	0.40	-3.98	28.71	32.69	1.10	1.05	2.14	3.31	36.00	32.69
	40	0.18	0.18	0.36	-4.41	28.71	33.12	0.96	0.98	1.94	2.88	36.00	33.12

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]
5500	37	0.21	0.00	-21.67	5.84	9.82	7.29	-5.80	1.49	-20.48	5.84	9.82	7.29	-4.61	2.68
	38	0.21	0.00	-21.54	5.84	9.82	7.29	-5.67	1.62	-20.58	5.84	9.82	7.29	-4.71	2.58
	40	0.21	0.00	-21.48	5.84	9.82	7.29	-5.61	1.68	-20.59	5.84	9.82	7.29	-4.72	2.57
5580	37	0.21	0.00	-20.52	5.83	9.83	7.29	-4.65	2.64	-19.98	5.83	9.83	7.29	-4.11	3.18
	38	0.21	0.00	-20.08	5.83	9.83	7.29	-4.21	3.08	-19.58	5.83	9.83	7.29	-3.71	3.58
	40	0.21	0.00	-20.46	5.83	9.83	7.29	-4.59	2.70	-19.67	5.83	9.83	7.29	-3.80	3.49
5700	37	0.21	0.00	-20.34	5.84	9.84	7.29	-4.45	2.85	-20.01	5.84	9.84	7.29	-4.12	3.17
	38	0.21	0.00	-20.25	5.84	9.84	7.29	-4.36	2.93	-19.51	5.84	9.84	7.29	-3.62	3.67
	40	0.21	0.00	-20.56	5.84	9.84	7.29	-4.67	2.62	-19.87	5.84	9.84	7.29	-3.98	3.31
5720	37	0.21	0.00	-20.33	5.84	9.84	7.29	-4.44	2.85	-20.04	5.84	9.84	7.29	-4.15	3.14
	38	0.21	0.00	-20.21	5.84	9.84	7.29	-4.32	2.97	-20.05	5.84	9.84	7.29	-4.16	3.14
	40	0.21	0.00	-20.40	5.84	9.84	7.29	-4.51	2.78	-20.35	5.84	9.84	7.29	-4.46	2.83
5745	37	0.21	0.27	-23.32	5.83	9.85	7.29	-7.16	0.13	-23.45	5.83	9.85	7.29	-7.29	0.00
	38	0.21	0.27	-23.48	5.83	9.85	7.29	-7.33	-0.04	-23.35	5.83	9.85	7.29	-7.19	0.10
	40	0.21	0.27	-23.36	5.83	9.85	7.29	-7.20	0.09	-23.23	5.83	9.85	7.29	-7.07	0.22
5785	37	0.21	0.27	-22.82	5.83	9.85	7.29	-6.66	0.63	-23.73	5.83	9.85	7.29	-7.57	-0.28
	38	0.21	0.27	-23.28	5.83	9.85	7.29	-7.12	0.17	-23.67	5.83	9.85	7.29	-7.51	-0.22
	40	0.21	0.27	-23.73	5.83	9.85	7.29	-7.57	-0.28	-23.41	5.83	9.85	7.29	-7.25	0.04
5825	37	0.21	0.27	-23.03	5.84	9.85	7.29	-6.86	0.43	-23.31	5.84	9.85	7.29	-7.14	0.15
	38	0.21	0.27	-23.05	5.84	9.85	7.29	-6.88	0.41	-23.27	5.84	9.85	7.29	-7.10	0.19
	40	0.21	0.27	-23.62	5.84	9.85	7.29	-7.45	-0.16	-23.56	5.84	9.85	7.29	-7.39	-0.10

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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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 5, 2020
Temperature / Humidity 23 deg. C / 35 % RH 24 deg. C / 31 % RH 24 deg. C / 30 % RH
Engineer Takafumi Noguchi Takafumi Noguchi Takafumi Noguchi
Mode Tx 11ax-20 (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	0.24	0.05	0.29	-5.34	9.71	15.05	1.31	0.26	1.57	1.95	17.00	15.05
	54	0.25	0.05	0.30	-5.17	9.71	14.88	1.36	0.27	1.63	2.12	17.00	14.88
5220	53	0.26	0.06	0.32	-4.94	9.71	14.65	1.41	0.30	1.72	2.35	17.00	14.65
	54	0.25	0.05	0.31	-5.13	9.71	14.84	1.35	0.29	1.65	2.16	17.00	14.84
5240	53	0.24	0.24	0.48	-3.23	9.71	12.94	1.28	1.27	2.55	4.06	17.00	12.94
	54	0.24	0.25	0.49	-3.10	9.71	12.81	1.28	1.35	2.62	4.19	17.00	12.81
5260	53	0.40	0.39	0.79	-1.04	9.71	10.75	2.13	2.09	4.22	6.25	17.00	10.75
	54	0.40	0.38	0.78	-1.08	9.71	10.79	2.12	2.06	4.18	6.21	17.00	10.79
5300	53	0.35	0.39	0.74	-1.33	9.71	11.04	1.87	2.07	3.94	5.96	17.00	11.04
	54	0.36	0.37	0.73	-1.38	9.71	11.09	1.91	1.99	3.90	5.91	17.00	11.09
5320	53	0.37	0.38	0.74	-1.28	9.71	10.99	1.96	2.03	3.99	6.01	17.00	10.99
	54	0.37	0.36	0.73	-1.36	9.71	11.07	2.01	1.91	3.92	5.93	17.00	11.07

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 Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]
5180	53	0.22	0.00	-22.08	5.93	9.82	7.29	-6.11	1.18	-29.19	5.93	9.82	7.29	-13.22	-5.93
	54	0.22	0.00	-21.93	5.93	9.82	7.29	-5.96	1.33	-28.91	5.93	9.82	7.29	-12.94	-5.65
5220	53	0.22	0.00	-21.74	5.91	9.82	7.29	-5.79	1.50	-28.42	5.91	9.82	7.29	-12.47	-5.18
	54	0.22	0.00	-21.93	5.91	9.82	7.29	-5.98	1.32	-28.58	5.91	9.82	7.29	-12.63	-5.34
5240	53	0.22	0.00	-22.16	5.89	9.82	7.29	-6.23	1.06	-22.17	5.89	9.82	7.29	-6.24	1.05
	54	0.22	0.00	-22.16	5.89	9.82	7.29	-6.23	1.06	-21.93	5.89	9.82	7.29	-6.00	1.29
5260	53	0.22	0.00	-19.94	5.89	9.82	7.29	-4.01	3.28	-20.02	5.89	9.82	7.29	-4.09	3.20
	54	0.22	0.00	-19.96	5.89	9.82	7.29	-4.03	3.26	-20.08	5.89	9.82	7.29	-4.15	3.14
5300	53	0.22	0.00	-20.48	5.86	9.82	7.29	-4.58	2.71	-20.02	5.86	9.82	7.29	-4.12	3.17
	54	0.22	0.00	-20.38	5.86	9.82	7.29	-4.48	2.81	-20.20	5.86	9.82	7.29	-4.30	2.99
5320	53	0.22	0.00	-20.25	5.84	9.82	7.29	-4.37	2.92	-20.09	5.84	9.82	7.29	-4.21	3.08
	54	0.22	0.00	-20.15	5.84	9.82	7.29	-4.27	3.02	-20.36	5.84	9.82	7.29	-4.48	2.81

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 5, 2020
Temperature / Humidity 23 deg. C / 35 % RH 24 deg. C / 31 % RH 24 deg. C / 30 % RH
Engineer Takafumi Noguchi Takafumi Noguchi Takafumi Noguchi
Mode Tx 11ax-20 (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	0.31	0.37	0.68	-1.67	9.71	11.38	1.68	1.98	3.65	5.62	17.00	11.38
	54	0.31	0.37	0.68	-1.67	9.71	11.38	1.67	1.97	3.64	5.62	17.00	11.38
5580	53	0.40	0.41	0.82	-0.89	9.71	10.60	2.16	2.20	4.37	6.40	17.00	10.60
	54	0.40	0.40	0.80	-0.98	9.71	10.69	2.13	2.15	4.28	6.31	17.00	10.69
5700	53	0.40	0.40	0.80	-0.95	9.71	10.66	2.14	2.17	4.30	6.34	17.00	10.66
	54	0.41	0.41	0.82	-0.87	9.71	10.58	2.18	2.20	4.38	6.42	17.00	10.58
5720	53	0.38	0.40	0.78	-1.09	9.71	10.80	2.02	2.15	4.17	6.20	17.00	10.80
	54	0.39	0.39	0.78	-1.09	9.71	10.80	2.11	2.06	4.17	6.20	17.00	10.80
5745	53	0.23	0.21	0.44	-3.52	28.71	32.23	1.23	1.15	2.38	3.77	36.00	32.23
	54	0.22	0.22	0.44	-3.56	28.71	32.27	1.16	1.20	2.36	3.73	36.00	32.27
5785	53	0.21	0.19	0.40	-3.95	28.71	32.66	1.12	1.04	2.16	3.34	36.00	32.66
	54	0.21	0.20	0.41	-3.88	28.71	32.59	1.11	1.08	2.19	3.41	36.00	32.59
5825	53	0.21	0.22	0.43	-3.69	28.71	32.40	1.13	1.16	2.29	3.60	36.00	32.40
	54	0.22	0.21	0.43	-3.65	28.71	32.36	1.16	1.15	2.31	3.64	36.00	32.36

Antenna 1										Antenna 3					
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD 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]
5500	53	0.22	0.00	-20.93	5.84	9.82	7.29	-5.05	2.24	-20.21	5.84	9.82	7.29	-4.33	2.96
	54	0.22	0.00	-20.93	5.84	9.82	7.29	-5.05	2.24	-20.22	5.84	9.82	7.29	-4.34	2.95
5580	53	0.22	0.00	-19.82	5.83	9.83	7.29	-3.94	3.35	-19.74	5.83	9.83	7.29	-3.86	3.43
	54	0.22	0.00	-19.89	5.83	9.83	7.29	-4.01	3.28	-19.85	5.83	9.83	7.29	-3.97	3.32
5700	53	0.22	0.00	-19.89	5.84	9.84	7.29	-3.99	3.30	-19.83	5.84	9.84	7.29	-3.93	3.36
	54	0.22	0.00	-19.81	5.84	9.84	7.29	-3.91	3.38	-19.76	5.84	9.84	7.29	-3.86	3.43
5720	53	0.22	0.00	-20.14	5.84	9.84	7.29	-4.24	3.05	-19.87	5.84	9.84	7.29	-3.97	3.32
	54	0.22	0.00	-19.95	5.84	9.84	7.29	-4.05	3.24	-20.04	5.84	9.84	7.29	-4.14	3.15
5745	53	0.22	0.27	-22.55	5.83	9.85	7.29	-6.38	0.91	-22.85	5.83	9.85	7.29	-6.69	0.60
	54	0.22	0.27	-22.82	5.83	9.85	7.29	-6.65	0.64	-22.65	5.83	9.85	7.29	-6.48	0.81
5785	53	0.22	0.27	-22.96	5.83	9.85	7.29	-6.79	0.50	-23.31	5.83	9.85	7.29	-7.14	0.15
	54	0.22	0.27	-23.00	5.83	9.85	7.29	-6.83	0.46	-23.12	5.83	9.85	7.29	-6.95	0.34
5825	53	0.22	0.27	-22.92	5.84	9.85	7.29	-6.74	0.55	-22.84	5.84	9.85	7.29	-6.66	0.63
	54	0.22	0.27	-22.81	5.84	9.85	7.29	-6.63	0.66	-22.87	5.84	9.85	7.29	-6.69	0.60

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.

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date March 31, 2020
Temperature / Humidity 21 deg. C / 47 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-20 (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			
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.24	0.20	0.44	-3.56	9.71	13.27	1.30	1.06	2.36	3.73	17.00	13.27
5220	0.26	0.22	0.48	-3.18	9.71	12.89	1.42	1.16	2.58	4.11	17.00	12.89
5240	0.23	0.22	0.45	-3.46	9.71	13.17	1.23	1.19	2.42	3.83	17.00	13.17
5260	0.36	0.35	0.72	-1.45	9.71	11.16	1.95	1.89	3.84	5.84	17.00	11.16
5300	0.36	0.35	0.71	-1.49	9.71	11.20	1.92	1.88	3.80	5.80	17.00	11.20
5320	0.36	0.35	0.70	-1.54	9.71	11.25	1.91	1.85	3.76	5.75	17.00	11.25
5500	0.29	0.32	0.62	-2.11	9.71	11.82	1.57	1.73	3.30	5.18	17.00	11.82
5580	0.37	0.36	0.74	-1.34	9.71	11.05	1.99	1.95	3.94	5.95	17.00	11.05
5700	0.35	0.35	0.70	-1.56	9.71	11.27	1.88	1.86	3.74	5.73	17.00	11.27
5720	0.37	0.38	0.75	-1.23	9.71	10.94	1.99	2.06	4.04	6.06	17.00	10.94
5745	0.19	0.21	0.40	-3.97	28.71	32.68	1.04	1.11	2.15	3.32	36.00	32.68
5785	0.17	0.18	0.35	-4.52	28.71	33.23	0.93	0.96	1.89	2.77	36.00	33.23
5825	0.18	0.20	0.38	-4.21	28.71	32.92	0.96	1.07	2.03	3.08	36.00	32.92

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]
5180	0.25	0.00	-22.14	5.93	9.82	7.29	-6.14	1.15	-23.06	5.93	9.82	7.29	-7.06	0.24
5220	0.25	0.00	-21.76	5.91	9.82	7.29	-5.78	1.52	-22.63	5.91	9.82	7.29	-6.65	0.64
5240	0.25	0.00	-22.37	5.89	9.82	7.29	-6.41	0.88	-22.49	5.89	9.82	7.29	-6.53	0.76
5260	0.25	0.00	-20.36	5.89	9.82	7.29	-4.40	2.89	-20.47	5.89	9.82	7.29	-4.51	2.78
5300	0.25	0.00	-20.38	5.86	9.82	7.29	-4.45	2.84	-20.48	5.86	9.82	7.29	-4.55	2.74
5320	0.25	0.00	-20.39	5.84	9.82	7.29	-4.48	2.81	-20.53	5.84	9.82	7.29	-4.62	2.67
5500	0.25	0.00	-21.24	5.84	9.82	7.29	-5.33	1.96	-20.82	5.84	9.82	7.29	-4.91	2.38
5580	0.25	0.00	-20.21	5.83	9.83	7.29	-4.30	2.99	-20.30	5.83	9.83	7.29	-4.39	2.90
5700	0.25	0.00	-20.47	5.84	9.84	7.29	-4.54	2.75	-20.53	5.84	9.84	7.29	-4.60	2.69
5720	0.25	0.00	-20.24	5.84	9.84	7.29	-4.31	2.98	-20.09	5.84	9.84	7.29	-4.16	3.13
5745	0.25	0.27	-23.33	5.83	9.85	7.29	-7.13	0.16	-23.04	5.83	9.85	7.29	-6.84	0.45
5785	0.25	0.27	-23.82	5.83	9.85	7.29	-7.62	-0.33	-23.65	5.83	9.85	7.29	-7.45	-0.16
5825	0.25	0.27	-23.67	5.84	9.85	7.29	-7.46	-0.17	-23.20	5.84	9.85	7.29	-6.99	0.30

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.

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 20, 2019 December 22, 2019
Temperature / Humidity 24 deg. C / 45 % RH 22 deg. C / 38 % RH
Engineer Akihiko Maeda Akihiko Maeda
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			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	0.15	0.12	0.27	-5.74	9.71	15.45	0.79	0.64	1.43	1.55	17.00	15.45
5230	0.14	0.12	0.26	-5.90	9.71	15.61	0.74	0.64	1.38	1.39	17.00	15.61
5270	0.20	0.19	0.40	-4.01	9.71	13.72	1.10	1.03	2.13	3.28	17.00	13.72
5310	0.19	0.17	0.37	-4.37	9.71	14.08	1.03	0.93	1.96	2.92	17.00	14.08
5510	0.19	0.19	0.37	-4.26	9.71	13.97	1.00	1.01	2.01	3.03	17.00	13.97
5550	0.21	0.19	0.40	-4.02	9.71	13.73	1.10	1.02	2.12	3.27	17.00	13.73
5670	0.24	0.21	0.45	-3.46	9.71	13.17	1.29	1.12	2.42	3.83	17.00	13.17
5710	0.22	0.20	0.43	-3.69	9.71	13.40	1.20	1.09	2.29	3.60	17.00	13.40
5755	0.12	0.12	0.24	-6.25	28.71	34.96	0.65	0.62	1.27	1.04	36.00	34.96
5795	0.12	0.13	0.24	-6.15	28.71	34.86	0.62	0.68	1.30	1.14	36.00	34.86

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	0.65	0.00	-20.13	1.10	10.06	7.29	-8.32	-1.03	-20.81	1.10	9.82	7.29	-9.24	-1.95
5230	0.65	0.00	-20.43	1.10	10.06	7.29	-8.62	-1.33	-20.79	1.10	9.82	7.29	-9.22	-1.93
5270	0.65	0.00	-18.71	1.11	10.06	7.29	-6.89	0.41	-18.73	1.11	9.82	7.29	-7.15	0.14
5310	0.65	0.00	-18.96	1.11	10.05	7.29	-7.15	0.14	-19.19	1.11	9.82	7.29	-7.61	-0.32
5510	0.65	0.00	-19.20	1.21	10.05	7.29	-7.29	0.00	-18.94	1.21	9.82	7.29	-7.26	0.03
5550	0.65	0.00	-18.80	1.22	10.05	7.29	-6.88	0.41	-18.90	1.22	9.83	7.29	-7.20	0.09
5670	0.65	0.00	-18.11	1.22	10.07	7.29	-6.17	1.12	-18.50	1.22	9.84	7.29	-6.79	0.50
5710	0.65	0.00	-18.44	1.22	10.08	7.29	-6.49	0.80	-18.62	1.22	9.84	7.29	-6.91	0.38
5755	0.65	0.27	-21.41	1.23	10.09	7.29	-9.18	-1.89	-21.34	1.23	9.85	7.29	-9.34	-2.05
5795	0.65	0.27	-21.63	1.23	10.09	7.29	-9.39	-2.10	-20.94	1.23	9.85	7.29	-8.94	-1.65

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 20, 2019 December 22, 2019
Temperature / Humidity 24 deg. C / 45 % RH 22 deg. C / 38 % RH
Engineer Akihiko Maeda Akihiko Maeda
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]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.15	0.12	0.27	-5.75	9.71	15.46	0.80	0.62	1.43	1.54	17.00	15.46
5230	0.15	0.13	0.28	-5.51	9.71	15.22	0.83	0.68	1.51	1.78	17.00	15.22
5270	0.21	0.19	0.39	-4.04	9.71	13.75	1.11	1.00	2.12	3.25	17.00	13.75
5310	0.18	0.18	0.36	-4.43	9.71	14.14	0.99	0.94	1.93	2.86	17.00	14.14
5510	0.18	0.17	0.35	-4.54	9.71	14.25	0.95	0.94	1.89	2.75	17.00	14.25
5550	0.20	0.20	0.41	-3.89	9.71	13.60	1.10	1.09	2.19	3.40	17.00	13.60
5670	0.23	0.21	0.43	-3.63	9.71	13.34	1.22	1.10	2.32	3.66	17.00	13.34
5710	0.22	0.20	0.42	-3.74	9.71	13.45	1.20	1.07	2.27	3.55	17.00	13.45
5755	0.12	0.12	0.25	-6.05	28.71	34.76	0.66	0.66	1.33	1.24	36.00	34.76
5795	0.12	0.13	0.25	-6.05	28.71	34.76	0.62	0.71	1.33	1.24	36.00	34.76

Tested Frequency [MHz]	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	0.76	0.00	-20.17	1.10	10.06	7.29	-8.25	-0.96	-21.02	1.10	9.82	7.29	-9.34	-2.05
5230	0.76	0.00	-20.03	1.10	10.06	7.29	-8.11	-0.82	-20.66	1.10	9.82	7.29	-8.98	-1.69
5270	0.76	0.00	-18.75	1.11	10.06	7.29	-6.82	0.47	-18.98	1.11	9.82	7.29	-7.29	0.00
5310	0.76	0.00	-19.26	1.11	10.05	7.29	-7.34	-0.05	-19.23	1.11	9.82	7.29	-7.54	-0.25
5510	0.76	0.00	-19.54	1.21	10.05	7.29	-7.52	-0.23	-19.36	1.21	9.82	7.29	-7.57	-0.28
5550	0.76	0.00	-18.92	1.22	10.05	7.29	-6.89	0.40	-18.73	1.22	9.83	7.29	-6.92	0.37
5670	0.76	0.00	-18.49	1.22	10.07	7.29	-6.44	0.85	-18.68	1.22	9.84	7.29	-6.86	0.43
5710	0.76	0.00	-18.56	1.22	10.08	7.29	-6.50	0.79	-18.83	1.22	9.84	7.29	-7.01	0.28
5755	0.76	0.27	-21.41	1.23	10.09	7.29	-9.06	-1.77	-21.17	1.23	9.85	7.29	-9.06	-1.77
5795	0.76	0.27	-21.74	1.23	10.09	7.29	-9.39	-2.10	-20.87	1.23	9.85	7.29	-8.76	-1.47

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 20, 2019 December 22, 2019
Temperature / Humidity 24 deg. C / 45 % RH 22 deg. C / 38 % RH
Engineer Akihiko Maeda Akihiko Maeda
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	0.16	0.12	0.28	-5.50	9.71	15.21	0.87	0.64	1.51	1.79	17.00	15.21
5230	0.16	0.13	0.29	-5.36	9.71	15.07	0.84	0.72	1.56	1.93	17.00	15.07
5270	0.23	0.20	0.43	-3.69	9.71	13.40	1.21	1.08	2.29	3.60	17.00	13.40
5310	0.20	0.20	0.40	-4.01	9.71	13.72	1.08	1.05	2.13	3.28	17.00	13.72
5510	0.19	0.20	0.39	-4.06	9.71	13.77	1.04	1.06	2.10	3.23	17.00	13.77
5550	0.22	0.21	0.43	-3.69	9.71	13.40	1.18	1.11	2.29	3.60	17.00	13.40
5670	0.26	0.22	0.48	-3.15	9.71	12.86	1.42	1.17	2.59	4.14	17.00	12.86
5710	0.24	0.20	0.44	-3.54	9.71	13.25	1.31	1.06	2.37	3.75	17.00	13.25
5755	0.13	0.14	0.27	-5.73	28.71	34.44	0.70	0.74	1.43	1.56	36.00	34.44
5795	0.12	0.15	0.27	-5.68	28.71	34.39	0.65	0.80	1.45	1.61	36.00	34.39

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	0.75	0.00	-19.79	1.10	10.06	7.29	-7.88	-0.58	-20.92	1.10	9.82	7.29	-9.25	-1.96
5230	0.75	0.00	-19.97	1.10	10.06	7.29	-8.06	-0.77	-20.38	1.10	9.82	7.29	-8.71	-1.42
5270	0.75	0.00	-18.38	1.11	10.06	7.29	-6.46	0.83	-18.64	1.11	9.82	7.29	-6.96	0.33
5310	0.75	0.00	-18.88	1.11	10.05	7.29	-6.97	0.33	-18.75	1.11	9.82	7.29	-7.07	0.22
5510	0.75	0.00	-19.13	1.21	10.05	7.29	-7.12	0.17	-18.80	1.21	9.82	7.29	-7.02	0.27
5550	0.75	0.00	-18.58	1.22	10.05	7.29	-6.56	0.73	-18.65	1.22	9.83	7.29	-6.85	0.44
5670	0.75	0.00	-17.81	1.22	10.07	7.29	-5.77	1.52	-18.41	1.22	9.84	7.29	-6.60	0.69
5710	0.75	0.00	-18.18	1.22	10.08	7.29	-6.13	1.17	-18.83	1.22	9.84	7.29	-7.02	0.27
5755	0.75	0.27	-21.20	1.23	10.09	7.29	-8.86	-1.57	-20.72	1.23	9.85	7.29	-8.62	-1.33
5795	0.75	0.27	-21.52	1.23	10.09	7.29	-9.18	-1.89	-20.35	1.23	9.85	7.29	-8.25	-0.96

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, March 5, March 6, March 9, March 10, March 13,
2020 2020 2020 2020 2020 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 23 deg. C / 24 deg. C / 23 deg. C /
Humidity 35 % RH 30 % RH 29 % RH 35 % RH 35 % RH 32 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takumi Takumi
Noguchi Noguchi Noguchi Shimada Shimada Shimada
Mode Tx 11ax-40 (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	0.08	0.07	0.15	-8.15	9.71	17.86	0.45	0.37	0.82	-0.86	17.00	17.86
	8	0.10	0.09	0.19	-7.30	9.71	17.01	0.54	0.46	1.00	-0.01	17.00	17.01
	17	0.10	0.08	0.18	-7.47	9.71	17.18	0.53	0.43	0.96	-0.18	17.00	17.18
5230	0	0.10	0.08	0.17	-7.63	9.71	17.34	0.51	0.41	0.92	-0.34	17.00	17.34
	8	0.11	0.09	0.19	-7.13	9.71	16.84	0.57	0.47	1.04	0.16	17.00	16.84
	17	0.09	0.09	0.17	-7.58	9.71	17.29	0.47	0.46	0.93	-0.29	17.00	17.29
5270	0	0.13	0.13	0.26	-5.91	9.71	15.62	0.69	0.68	1.37	1.38	17.00	15.62
	8	0.15	0.15	0.30	-5.19	9.71	14.90	0.81	0.81	1.62	2.10	17.00	14.90
	17	0.19	0.12	0.31	-5.13	9.71	14.84	1.03	0.62	1.64	2.16	17.00	14.84
5310	0	0.12	0.13	0.25	-5.96	9.71	15.67	0.65	0.71	1.36	1.33	17.00	15.67
	8	0.15	0.16	0.31	-5.07	9.71	14.78	0.83	0.84	1.67	2.22	17.00	14.78
	17	0.14	0.16	0.30	-5.22	9.71	14.93	0.73	0.88	1.61	2.07	17.00	14.93

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]									
5190	0	0.20	0.00	-26.66	5.93	9.82	7.29	-10.71	-3.42	-27.61	5.93	9.82	7.29	-11.66	-4.37									
	8	0.20	0.00	-25.93	5.93	9.82	7.29	-9.98	-2.69	-26.61	5.93	9.82	7.29	-10.66	-3.37									
	17	2.31	0.00	-28.10	5.93	9.82	7.29	-10.04	-2.75	-29.03	5.93	9.82	7.29	-10.97	-3.68									
5230	0	0.20	0.00	-26.13	5.90	9.82	7.29	-10.21	-2.92	-27.05	5.90	9.82	7.29	-11.13	-3.84									
	8	0.20	0.00	-25.69	5.90	9.82	7.29	-9.77	-2.48	-26.47	5.90	9.82	7.29	-10.55	-3.26									
	17	2.31	0.00	-28.56	5.90	9.82	7.29	-10.53	-3.24	-28.69	5.90	9.82	7.29	-10.66	-3.37									
5270	0	0.20	0.00	-24.79	5.88	9.82	7.29	-8.89	-1.60	-24.85	5.88	9.82	7.29	-8.95	-1.66									
	8	0.20	0.00	-24.11	5.88	9.82	7.29	-8.21	-0.92	-24.09	5.88	9.82	7.29	-8.19	-0.90									
	17	2.31	0.00	-25.19	5.88	9.82	7.29	-7.18	0.11	-27.39	5.88	9.82	7.29	-9.38	-2.09									
5310	0	0.20	0.00	-25.05	5.85	9.82	7.29	-9.18	-1.89	-24.64	5.85	9.82	7.29	-8.77	-1.48									
	8	0.20	0.00	-23.99	5.85	9.82	7.29	-8.12	-0.83	-23.90	5.85	9.82	7.29	-8.03	-0.74									
	17	2.31	0.00	-26.64	5.85	9.82	7.29	-8.66	-1.37	-25.82	5.85	9.82	7.29	-7.84	-0.55									

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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Telephone : +81 596 24 8999

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 5, 2020 March 6, 2020 March 9, 2020 March 10, 2020 March 13, 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 23 deg. C / 24 deg. C / 23 deg. C /
Humidity 35 % RH 30 % RH 29 % RH 35 % RH 35 % RH 32 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takumi Takumi
Noguchi Noguchi Noguchi Shimada Shimada Shimada
Mode Tx 11ax-40 (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 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]
5510	0	0.09	0.11	0.20	-6.88	9.71	16.59	0.49	0.61	1.10	0.41	17.00	16.59
	8	0.11	0.16	0.28	-5.60	9.71	15.31	0.61	0.86	1.47	1.69	17.00	15.31
	17	0.12	0.17	0.29	-5.32	9.71	15.03	0.66	0.92	1.57	1.97	17.00	15.03
5550	0	0.11	0.15	0.25	-6.00	9.71	15.71	0.57	0.78	1.34	1.29	17.00	15.71
	8	0.13	0.17	0.30	-5.29	9.71	15.00	0.68	0.91	1.59	2.00	17.00	15.00
	17	0.14	0.16	0.30	-5.25	9.71	14.96	0.76	0.84	1.60	2.04	17.00	14.96
5670	0	0.13	0.15	0.28	-5.53	9.71	15.24	0.71	0.79	1.50	1.76	17.00	15.24
	8	0.15	0.17	0.32	-4.93	9.71	14.64	0.81	0.91	1.72	2.36	17.00	14.64
	17	0.15	0.13	0.29	-5.43	9.71	15.14	0.82	0.72	1.54	1.86	17.00	15.14
5710	0	0.12	0.14	0.26	-5.85	9.71	15.56	0.66	0.73	1.39	1.44	17.00	15.56
	8	0.15	0.17	0.32	-4.95	9.71	14.66	0.81	0.90	1.71	2.34	17.00	14.66
	17	0.16	0.15	0.31	-5.10	9.71	14.81	0.83	0.82	1.65	2.19	17.00	14.81
5755	0	0.08	0.07	0.15	-8.23	28.71	36.94	0.41	0.40	0.80	-0.94	36.00	36.94
	8	0.09	0.09	0.17	-7.67	28.71	36.38	0.46	0.46	0.92	-0.38	36.00	36.38
	17	0.08	0.07	0.15	-8.10	28.71	36.81	0.45	0.38	0.83	-0.81	36.00	36.81
5795	0	0.08	0.07	0.15	-8.13	28.71	36.84	0.45	0.38	0.82	-0.84	36.00	36.84
	8	0.08	0.08	0.17	-7.80	28.71	36.51	0.44	0.45	0.89	-0.51	36.00	36.51
	17	0.08	0.09	0.17	-7.70	28.71	36.41	0.40	0.51	0.91	-0.41	36.00	36.41

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1				Antenna 3				Antenna 3			
				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]
5510	0	0.20	0.00	-26.23	5.83	9.82	7.29	-10.38	-3.09	-25.31	5.83	9.82	7.29	-9.46	-2.17
	8	0.20	0.00	-25.26	5.83	9.82	7.29	-9.41	-2.12	-23.79	5.83	9.82	7.29	-7.94	-0.65
	17	2.31	0.00	-27.08	5.83	9.82	7.29	-9.12	-1.83	-25.62	5.83	9.82	7.29	-7.66	-0.37
5550	0	0.20	0.00	-25.63	5.84	9.83	7.29	-9.76	-2.47	-24.25	5.84	9.83	7.29	-8.38	-1.09
	8	0.20	0.00	-24.84	5.84	9.83	7.29	-8.97	-1.68	-23.59	5.84	9.83	7.29	-7.72	-0.43
	17	2.31	0.00	-26.48	5.84	9.83	7.29	-8.50	-1.21	-26.01	5.84	9.83	7.29	-8.03	-0.74
5670	0	0.20	0.00	-24.66	5.84	9.84	7.29	-8.78	-1.49	-24.20	5.84	9.84	7.29	-8.32	-1.03
	8	0.20	0.00	-24.06	5.84	9.84	7.29	-8.18	-0.89	-23.59	5.84	9.84	7.29	-7.71	-0.42
	17	2.31	0.00	-26.17	5.84	9.84	7.29	-8.18	-0.89	-26.70	5.84	9.84	7.29	-8.71	-1.42
5710	0	0.20	0.00	-24.98	5.84	9.84	7.29	-9.10	-1.81	-24.51	5.84	9.84	7.29	-8.63	-1.34
	8	0.20	0.00	-24.08	5.84	9.84	7.29	-8.20	-0.91	-23.62	5.84	9.84	7.29	-7.74	-0.45
	17	2.31	0.00	-26.07	5.84	9.84	7.29	-8.08	-0.79	-26.13	5.84	9.84	7.29	-8.14	-0.85
5755	0	0.20	0.27	-27.34	5.84	9.85	7.29	-11.18	-3.89	-27.47	5.84	9.85	7.29	-11.31	-4.02
	8	0.20	0.27	-26.86	5.84	9.85	7.29	-10.70	-3.41	-26.81	5.84	9.85	7.29	-10.65	-3.36
	17	2.31	0.27	-29.07	5.84	9.85	7.29	-10.80	-3.51	-29.71	5.84	9.85	7.29	-11.44	-4.15
5795	0	0.20	0.27	-26.96	5.83	9.85	7.29	-10.81	-3.52	-27.66	5.83	9.85	7.29	-11.51	-4.22
	8	0.20	0.27	-27.03	5.83	9.85	7.29	-10.88	-3.59	-26.88	5.83	9.85	7.29	-10.73	-3.44
	17	2.31	0.27	-29.49	5.83	9.85	7.29	-11.23	-3.94	-28.51	5.83	9.85	7.29	-10.25	-2.96

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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Telephone : +81 596 24 8999

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 5, 2020 March 6, 2020 March 9, 2020 March 10, 2020 March 13, 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 23 deg. C / 24 deg. C / 23 deg. C /
Humidity 35 % RH 30 % RH 29 % RH 35 % RH 35 % RH 32 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takumi Takumi
Noguchi Noguchi Noguchi Shimada Shimada Shimada
Mode Tx 11ax-40 (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 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]
5190	37	0.13	0.09	0.22	-6.62	9.71	16.33	0.68	0.49	1.17	0.67	17.00	16.33
	40	0.12	0.10	0.22	-6.53	9.71	16.24	0.66	0.53	1.19	0.76	17.00	16.24
	44	0.15	0.12	0.27	-5.68	9.71	15.39	0.82	0.63	1.45	1.61	17.00	15.39
5230	37	0.13	0.11	0.24	-6.17	9.71	15.88	0.70	0.59	1.29	1.12	17.00	15.88
	40	0.14	0.10	0.24	-6.24	9.71	15.95	0.73	0.54	1.27	1.05	17.00	15.95
	44	0.14	0.14	0.29	-5.45	9.71	15.16	0.76	0.77	1.53	1.84	17.00	15.16
5270	37	0.19	0.17	0.36	-4.48	9.71	14.19	1.00	0.91	1.91	2.81	17.00	14.19
	40	0.17	0.16	0.34	-4.72	9.71	14.43	0.93	0.88	1.81	2.57	17.00	14.43
	44	0.17	0.17	0.34	-4.72	9.71	14.43	0.89	0.92	1.81	2.57	17.00	14.43
5310	37	0.15	0.17	0.32	-4.93	9.71	14.64	0.81	0.91	1.72	2.36	17.00	14.64
	40	0.17	0.18	0.35	-4.52	9.71	14.23	0.92	0.97	1.89	2.77	17.00	14.23
	44	0.18	0.20	0.38	-4.19	9.71	13.90	0.97	1.07	2.04	3.10	17.00	13.90

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]
5190	37	0.20	0.00	-24.92	5.93	9.82	7.29	-8.97	-1.68	-26.37	5.93	9.82	7.29	-10.42	-3.13
	40	0.20	0.00	-25.02	5.93	9.82	7.29	-9.07	-1.78	-26.02	5.93	9.82	7.29	-10.07	-2.78
	44	2.30	0.00	-26.22	5.93	9.82	7.29	-8.17	-0.88	-27.34	5.93	9.82	7.29	-9.29	-2.00
5230	37	0.20	0.00	-24.76	5.90	9.82	7.29	-8.84	-1.55	-25.47	5.90	9.82	7.29	-9.55	-2.26
	40	0.20	0.00	-24.55	5.90	9.82	7.29	-8.63	-1.34	-25.88	5.90	9.82	7.29	-9.96	-2.67
	44	2.30	0.00	-26.51	5.90	9.82	7.29	-8.49	-1.20	-26.45	5.90	9.82	7.29	-8.43	-1.14
5270	37	0.20	0.00	-23.18	5.88	9.82	7.29	-7.28	0.01	-23.62	5.88	9.82	7.29	-7.72	-0.43
	40	0.20	0.00	-23.51	5.88	9.82	7.29	-7.61	-0.32	-23.75	5.88	9.82	7.29	-7.85	-0.56
	44	2.30	0.00	-25.81	5.88	9.82	7.29	-7.81	-0.52	-25.65	5.88	9.82	7.29	-7.65	-0.36
5310	37	0.20	0.00	-24.06	5.85	9.82	7.29	-8.19	-0.90	-23.57	5.85	9.82	7.29	-7.70	-0.41
	40	0.20	0.00	-23.52	5.85	9.82	7.29	-7.65	-0.36	-23.29	5.85	9.82	7.29	-7.42	-0.13
	44	2.30	0.00	-25.38	5.85	9.82	7.29	-7.41	-0.12	-24.97	5.85	9.82	7.29	-7.00	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

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 5, 2020 March 6, 2020 March 9, 2020 March 10, 2020 March 13, 2020
Temperature / Humidity 23 deg. C / 35 % RH 24 deg. C / 30 % RH 20 deg. C / 29 % RH 23 deg. C / 35 % RH 24 deg. C / 35 % RH 23 deg. C / 32 % RH
Engineer Takafumi Noguchi Takafumi Noguchi Takafumi Noguchi Takumi Shimada Takumi Shimada Takumi Shimada
Mode Tx 11ax-40 (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.)					
		1	3	Sum	Result	Limit	Margin	1	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]
5510	37	0.12	0.16	0.28	-5.51	9.71	15.22	0.66	0.85	1.51	1.78	17.00	15.22
	40	0.14	0.17	0.31	-5.15	9.71	14.86	0.73	0.90	1.64	2.14	17.00	14.86
	44	0.17	0.19	0.37	-4.36	9.71	14.07	0.93	1.03	1.96	2.93	17.00	14.07
5550	37	0.16	0.17	0.33	-4.83	9.71	14.54	0.84	0.92	1.76	2.46	17.00	14.54
	40	0.16	0.19	0.34	-4.62	9.71	14.33	0.83	1.02	1.85	2.67	17.00	14.33
	44	0.17	0.20	0.38	-4.25	9.71	13.96	0.93	1.09	2.02	3.04	17.00	13.96
5670	37	0.18	0.22	0.40	-4.03	9.71	13.74	0.96	1.16	2.12	3.26	17.00	13.74
	40	0.18	0.18	0.36	-4.45	9.71	14.16	0.94	0.98	1.92	2.84	17.00	14.16
	44	0.21	0.19	0.40	-4.01	9.71	13.72	1.13	1.00	2.13	3.28	17.00	13.72
5710	37	0.17	0.19	0.37	-4.34	9.71	14.05	0.93	1.04	1.97	2.95	17.00	14.05
	40	0.18	0.18	0.36	-4.42	9.71	14.13	0.95	0.99	1.94	2.87	17.00	14.13
	44	0.18	0.19	0.37	-4.27	9.71	13.98	0.99	1.02	2.00	3.02	17.00	13.98
5755	37	0.11	0.10	0.20	-6.96	28.71	35.67	0.56	0.52	1.08	0.33	36.00	35.67
	40	0.10	0.10	0.20	-7.01	28.71	35.72	0.56	0.51	1.07	0.28	36.00	35.72
	44	0.13	0.10	0.23	-6.38	28.71	35.09	0.67	0.56	1.23	0.91	36.00	35.09
5795	37	0.10	0.09	0.19	-7.23	28.71	35.94	0.55	0.46	1.01	0.06	36.00	35.94
	40	0.09	0.09	0.19	-7.24	28.71	35.95	0.50	0.51	1.01	0.05	36.00	35.95
	44	0.12	0.12	0.23	-6.32	28.71	35.03	0.62	0.62	1.25	0.97	36.00	35.03

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1					Antenna 3					PSD Result	
				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]
5510	37	0.20	0.00	-24.94	5.83	9.82	7.29	-9.09	-1.80	-23.87	5.83	9.82	7.29	-8.02	-0.73
	40	0.20	0.00	-24.48	5.83	9.82	7.29	-8.63	-1.34	-23.59	5.83	9.82	7.29	-7.74	-0.45
	44	2.30	0.00	-25.54	5.83	9.82	7.29	-7.59	-0.30	-25.11	5.83	9.82	7.29	-7.16	0.13
5550	37	0.20	0.00	-23.92	5.84	9.83	7.29	-8.05	-0.76	-23.52	5.84	9.83	7.29	-7.65	-0.36
	40	0.20	0.00	-23.96	5.84	9.83	7.29	-8.09	-0.80	-23.09	5.84	9.83	7.29	-7.22	0.07
	44	2.30	0.00	-25.58	5.84	9.83	7.29	-7.61	-0.32	-24.90	5.84	9.83	7.29	-6.93	0.36
5670	37	0.20	0.00	-23.35	5.84	9.84	7.29	-7.47	-0.18	-22.53	5.84	9.84	7.29	-6.65	0.64
	40	0.20	0.00	-23.44	5.84	9.84	7.29	-7.56	-0.27	-23.24	5.84	9.84	7.29	-7.36	-0.07
	44	2.30	0.00	-24.74	5.84	9.84	7.29	-6.76	0.53	-25.27	5.84	9.84	7.29	-7.29	0.00
5710	37	0.20	0.00	-23.48	5.84	9.84	7.29	-7.60	-0.31	-22.99	5.84	9.84	7.29	-7.11	0.18
	40	0.20	0.00	-23.41	5.84	9.84	7.29	-7.53	-0.24	-23.21	5.84	9.84	7.29	-7.33	-0.04
	44	2.30	0.00	-25.32	5.84	9.84	7.29	-7.34	-0.05	-25.20	5.84	9.84	7.29	-7.22	0.07
5755	37	0.20	0.27	-25.94	5.84	9.85	7.29	-9.78	-2.49	-26.32	5.84	9.85	7.29	-10.16	-2.87
	40	0.20	0.27	-25.98	5.84	9.85	7.29	-9.82	-2.53	-26.38	5.84	9.85	7.29	-10.22	-2.93
	44	2.30	0.27	-27.28	5.84	9.85	7.29	-9.02	-1.73	-28.06	5.84	9.85	7.29	-9.80	-2.51
5795	37	0.20	0.27	-26.05	5.83	9.85	7.29	-9.90	-2.61	-26.77	5.83	9.85	7.29	-10.62	-3.33
	40	0.20	0.27	-26.41	5.83	9.85	7.29	-10.26	-2.97	-26.40	5.83	9.85	7.29	-10.25	-2.96
	44	2.30	0.27	-27.58	5.83	9.85	7.29	-9.33	-2.04	-27.58	5.83	9.85	7.29	-9.34	-2.05

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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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 5, 2020 March 6, 2020 March 9, 2020 March 10, 2020 March 13, 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 23 deg. C / 24 deg. C / 23 deg. C /
Humidity 35 % RH 30 % RH 29 % RH 35 % RH 35 % RH 32 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takumi Takumi
Noguchi Noguchi Noguchi Shimada Shimada Shimada
Mode Tx 11ax-40 (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.)					
		1	3	Sum	Result	Limit	Margin	1	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]
5190	53	0.12	0.11	0.23	-6.32	9.71	16.03	0.64	0.61	1.25	0.97	17.00	16.03
	54	0.13	0.11	0.24	-6.24	9.71	15.95	0.71	0.57	1.27	1.05	17.00	15.95
	56	0.16	0.11	0.27	-5.62	9.71	15.33	0.88	0.59	1.47	1.67	17.00	15.33
5230	53	0.13	0.11	0.24	-6.18	9.71	15.89	0.68	0.61	1.29	1.11	17.00	15.89
	54	0.13	0.11	0.25	-6.10	9.71	15.81	0.70	0.61	1.31	1.19	17.00	15.81
	56	0.14	0.15	0.28	-5.46	9.71	15.17	0.73	0.80	1.52	1.83	17.00	15.17
5270	53	0.20	0.18	0.38	-4.23	9.71	13.94	1.07	0.95	2.02	3.06	17.00	13.94
	54	0.18	0.19	0.37	-4.30	9.71	14.01	0.96	1.03	1.99	2.99	17.00	14.01
	56	0.14	0.18	0.32	-4.93	9.71	14.64	0.75	0.97	1.72	2.36	17.00	14.64
5310	53	0.16	0.17	0.33	-4.82	9.71	14.53	0.86	0.91	1.77	2.47	17.00	14.53
	54	0.18	0.20	0.37	-4.29	9.71	14.00	0.95	1.05	2.00	3.00	17.00	14.00
	56	0.18	0.18	0.37	-4.38	9.71	14.09	0.97	0.98	1.96	2.91	17.00	14.09

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1				Antenna 3				Antenna 3			
				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	53	0.22	0.00	-25.19	5.93	9.82	7.29	-9.22	-1.93	-25.41	5.93	9.82	7.29	-9.44	-2.15
	54	0.22	0.00	-24.77	5.93	9.82	7.29	-8.80	-1.51	-25.72	5.93	9.82	7.29	-9.75	-2.46
	56	2.57	0.00	-26.17	5.93	9.82	7.29	-7.85	-0.56	-27.90	5.93	9.82	7.29	-9.58	-2.29
5230	53	0.22	0.00	-24.93	5.90	9.82	7.29	-8.99	-1.70	-25.35	5.90	9.82	7.29	-9.41	-2.12
	54	0.22	0.00	-24.76	5.90	9.82	7.29	-8.82	-1.53	-25.36	5.90	9.82	7.29	-9.42	-2.13
	56	2.57	0.00	-26.96	5.90	9.82	7.29	-8.67	-1.38	-26.57	5.90	9.82	7.29	-8.28	-0.99
5270	53	0.22	0.00	-22.91	5.88	9.82	7.29	-6.99	0.30	-23.43	5.88	9.82	7.29	-7.51	-0.22
	54	0.22	0.00	-23.38	5.88	9.82	7.29	-7.46	-0.17	-23.09	5.88	9.82	7.29	-7.17	0.12
	56	2.57	0.00	-26.80	5.88	9.82	7.29	-8.53	-1.24	-25.70	5.88	9.82	7.29	-7.43	-0.14
5310	53	0.22	0.00	-23.82	5.85	9.82	7.29	-7.93	-0.64	-23.61	5.85	9.82	7.29	-7.72	-0.43
	54	0.22	0.00	-23.41	5.85	9.82	7.29	-7.52	-0.23	-22.98	5.85	9.82	7.29	-7.09	0.20
	56	2.57	0.00	-25.65	5.85	9.82	7.29	-7.41	-0.12	-25.60	5.85	9.82	7.29	-7.36	-0.07

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)

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 5, 2020 March 6, 2020 March 9, 2020 March 10, 2020 March 13, 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 23 deg. C / 24 deg. C / 23 deg. C /
Humidity 35 % RH 30 % RH 29 % RH 35 % RH 35 % RH 32 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takumi Takumi
Noguchi Noguchi Noguchi Shimada Shimada Shimada
Mode Tx 11ax-40 (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 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]
5510	53	0.14	0.18	0.31	-5.05	9.71	14.76	0.73	0.94	1.67	2.24	17.00	14.76
	54	0.14	0.19	0.32	-4.90	9.71	14.61	0.73	1.00	1.73	2.39	17.00	14.61
	56	0.18	0.17	0.35	-4.53	9.71	14.24	0.98	0.91	1.89	2.76	17.00	14.24
5550	53	0.16	0.19	0.35	-4.60	9.71	14.31	0.85	1.01	1.86	2.69	17.00	14.31
	54	0.17	0.21	0.37	-4.29	9.71	14.00	0.89	1.11	1.99	3.00	17.00	14.00
	56	0.21	0.19	0.39	-4.04	9.71	13.75	1.12	0.99	2.11	3.25	17.00	13.75
5670	53	0.18	0.20	0.39	-4.14	9.71	13.85	0.97	1.09	2.06	3.15	17.00	13.85
	54	0.19	0.20	0.39	-4.11	9.71	13.82	1.01	1.07	2.08	3.18	17.00	13.82
	56	0.20	0.23	0.43	-3.67	9.71	13.38	1.08	1.22	2.30	3.62	17.00	13.38
5710	53	0.20	0.19	0.39	-4.10	9.71	13.81	1.06	1.02	2.08	3.19	17.00	13.81
	54	0.18	0.20	0.38	-4.22	9.71	13.93	0.96	1.07	2.03	3.07	17.00	13.93
	56	0.19	0.18	0.37	-4.26	9.71	13.97	1.03	0.98	2.01	3.03	17.00	13.97
5755	53	0.09	0.09	0.18	-7.45	28.71	36.16	0.50	0.46	0.96	-0.16	36.00	36.16
	54	0.10	0.09	0.19	-7.18	28.71	35.89	0.52	0.50	1.02	0.11	36.00	35.89
	56	0.10	0.11	0.20	-6.95	28.71	35.66	0.51	0.57	1.08	0.34	36.00	35.66
5795	53	0.09	0.09	0.18	-7.38	28.71	36.09	0.49	0.49	0.98	-0.09	36.00	36.09
	54	0.10	0.09	0.20	-7.07	28.71	35.78	0.55	0.50	1.05	0.22	36.00	35.78
	56	0.10	0.10	0.19	-7.19	28.71	35.90	0.51	0.52	1.02	0.10	36.00	35.90

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1						Antenna 3					
				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]
5510	53	0.22	0.00	-24.50	5.83	9.82	7.29	-8.63	-1.34	-23.43	5.83	9.82	7.29	-7.56	-0.27
	54	0.22	0.00	-24.51	5.83	9.82	7.29	-8.64	-1.35	-23.16	5.83	9.82	7.29	-7.29	0.00
	56	2.57	0.00	-25.60	5.83	9.82	7.29	-7.38	-0.09	-25.93	5.83	9.82	7.29	-7.71	-0.42
5550	53	0.22	0.00	-23.89	5.84	9.83	7.29	-8.00	-0.71	-23.15	5.84	9.83	7.29	-7.26	0.03
	54	0.22	0.00	-23.71	5.84	9.83	7.29	-7.82	-0.53	-22.73	5.84	9.83	7.29	-6.84	0.45
	56	2.57	0.00	-25.03	5.84	9.83	7.29	-6.79	0.50	-25.56	5.84	9.83	7.29	-7.32	-0.03
5670	53	0.22	0.00	-23.32	5.84	9.84	7.29	-7.42	-0.13	-22.80	5.84	9.84	7.29	-6.90	0.39
	54	0.22	0.00	-23.16	5.84	9.84	7.29	-7.26	0.03	-22.88	5.84	9.84	7.29	-6.98	0.31
	56	2.57	0.00	-25.21	5.84	9.84	7.29	-6.96	0.34	-24.68	5.84	9.84	7.29	-6.43	0.86
5710	53	0.22	0.00	-22.94	5.84	9.84	7.29	-7.04	0.25	-23.08	5.84	9.84	7.29	-7.18	0.11
	54	0.22	0.00	-23.38	5.84	9.84	7.29	-7.48	-0.19	-22.90	5.84	9.84	7.29	-7.00	0.29
	56	2.57	0.00	-25.41	5.84	9.84	7.29	-7.16	0.13	-25.64	5.84	9.84	7.29	-7.39	-0.10
5755	53	0.22	0.27	-26.44	5.84	9.85	7.29	-10.26	-2.97	-26.84	5.84	9.85	7.29	-10.67	-3.38
	54	0.22	0.27	-26.30	5.84	9.85	7.29	-10.12	-2.83	-26.45	5.84	9.85	7.29	-10.27	-2.98
	56	2.57	0.27	-28.72	5.84	9.85	7.29	-10.19	-2.90	-28.26	5.84	9.85	7.29	-9.73	-2.44
5795	53	0.22	0.27	-26.55	5.83	9.85	7.29	-10.38	-3.09	-26.58	5.83	9.85	7.29	-10.41	-3.12
	54	0.22	0.27	-26.08	5.83	9.85	7.29	-9.91	-2.62	-26.43	5.83	9.85	7.29	-10.26	-2.97
	56	2.57	0.27	-28.74	5.83	9.85	7.29	-10.22	-2.93	-28.69	5.83	9.85	7.29	-10.17	-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)

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, March 5, March 6, March 9, March 10, March 13,
2020 2020 2020 2020 2020 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 23 deg. C / 24 deg. C / 23 deg. C /
Humidity 35 % RH 30 % RH 29 % RH 35 % RH 35 % RH 32 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takumi Takumi
Noguchi Noguchi Noguchi Shimada Shimada Shimada
Mode Tx 11ax-40 (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	0.14	0.12	0.26	-5.90	9.71	15.61	0.74	0.64	1.38	1.39	17.00	15.61
	62	0.14	0.13	0.27	-5.61	9.71	15.32	0.77	0.70	1.47	1.68	17.00	15.32
5230	61	0.15	0.13	0.28	-5.49	9.71	15.20	0.81	0.70	1.51	1.80	17.00	15.20
	62	0.15	0.13	0.28	-5.45	9.71	15.16	0.82	0.71	1.53	1.84	17.00	15.16
5270	61	0.21	0.19	0.40	-4.01	9.71	13.72	1.10	1.03	2.13	3.28	17.00	13.72
	62	0.22	0.21	0.42	-3.73	9.71	13.44	1.17	1.10	2.27	3.56	17.00	13.44
5310	61	0.18	0.20	0.39	-4.14	9.71	13.85	0.97	1.10	2.07	3.15	17.00	13.85
	62	0.19	0.20	0.39	-4.06	9.71	13.77	1.04	1.06	2.11	3.23	17.00	13.77

Antenna 1								Antenna 3							
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	PSD				PSD Result		PSD				PSD Result	
				Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond.	e.i.r.p.	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	0.24	0.00	-24.60	5.93	9.82	7.29	-8.61	-1.32	-25.22	5.93	9.82	7.29	-9.23	-1.94
	62	3.22	0.00	-27.37	5.93	9.82	7.29	-8.40	-1.11	-27.82	5.93	9.82	7.29	-8.85	-1.56
5230	61	0.24	0.00	-24.16	5.90	9.82	7.29	-8.20	-0.91	-24.79	5.90	9.82	7.29	-8.83	-1.54
	62	3.22	0.00	-27.12	5.90	9.82	7.29	-8.18	-0.89	-27.71	5.90	9.82	7.29	-8.77	-1.48
5270	61	0.24	0.00	-22.81	5.88	9.82	7.29	-6.87	0.42	-23.12	5.88	9.82	7.29	-7.18	0.11
	62	3.22	0.00	-25.54	5.88	9.82	7.29	-6.62	0.67	-25.78	5.88	9.82	7.29	-6.86	0.43
5310	61	0.24	0.00	-23.34	5.85	9.82	7.29	-7.43	-0.13	-22.80	5.85	9.82	7.29	-6.89	0.40
	62	3.22	0.00	-26.00	5.85	9.82	7.29	-7.11	0.18	-25.91	5.85	9.82	7.29	-7.02	0.27

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 5, 2020 March 6, 2020 March 9, 2020 March 10, 2020 March 13, 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 23 deg. C / 24 deg. C / 23 deg. C /
Humidity 35 % RH 30 % RH 29 % RH 35 % RH 35 % RH 32 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takumi Takumi
Noguchi Noguchi Noguchi Shimada Shimada Shimada
Mode Tx 11ax-40 (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	0.15	0.19	0.35	-4.60	9.71	14.31	0.83	1.03	1.86	2.69	17.00	14.31
	62	0.20	0.18	0.38	-4.21	9.71	13.92	1.05	0.98	2.03	3.08	17.00	13.92
5550	61	0.18	0.21	0.39	-4.05	9.71	13.76	0.97	1.14	2.11	3.24	17.00	13.76
	62	0.21	0.21	0.42	-3.75	9.71	13.46	1.11	1.15	2.26	3.54	17.00	13.46
5670	61	0.22	0.21	0.43	-3.70	9.71	13.41	1.16	1.12	2.28	3.59	17.00	13.41
	62	0.24	0.23	0.48	-3.20	9.71	12.91	1.31	1.26	2.56	4.09	17.00	12.91
5710	61	0.19	0.20	0.40	-4.00	9.71	13.71	1.04	1.10	2.14	3.29	17.00	13.71
	62	0.22	0.22	0.44	-3.60	9.71	13.31	1.18	1.16	2.34	3.69	17.00	13.31
5755	61	0.11	0.11	0.22	-6.55	28.71	35.26	0.59	0.59	1.19	0.74	36.00	35.26
	62	0.12	0.13	0.25	-5.98	28.71	34.69	0.65	0.70	1.35	1.31	36.00	34.69
5795	61	0.10	0.10	0.20	-7.02	28.71	35.73	0.54	0.52	1.06	0.27	36.00	35.73
	62	0.11	0.13	0.24	-6.20	28.71	34.91	0.60	0.68	1.28	1.09	36.00	34.91

Antenna 1								Antenna 3							
Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result		PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Result	
								Cond.	e.i.r.p.					Cond.	e.i.r.p.
5510	61	0.24	0.00	-23.99	5.83	9.82	7.29	-8.10	-0.81	-23.06	5.83	9.82	7.29	-7.17	0.12
	62	3.22	0.00	-25.96	5.83	9.82	7.29	-7.09	0.20	-26.23	5.83	9.82	7.29	-7.36	-0.07
5550	61	0.24	0.00	-23.34	5.84	9.83	7.29	-7.43	-0.14	-22.64	5.84	9.83	7.29	-6.73	0.56
	62	3.22	0.00	-25.72	5.84	9.83	7.29	-6.83	0.46	-25.57	5.84	9.83	7.29	-6.68	0.61
5670	61	0.24	0.00	-22.56	5.84	9.84	7.29	-6.64	0.66	-22.71	5.84	9.84	7.29	-6.79	0.50
	62	3.22	0.00	-25.03	5.84	9.84	7.29	-6.13	1.16	-25.19	5.84	9.84	7.29	-6.29	1.00
5710	61	0.24	0.00	-23.04	5.84	9.84	7.29	-7.12	0.17	-22.81	5.84	9.84	7.29	-6.89	0.40
	62	3.22	0.00	-25.48	5.84	9.84	7.29	-6.58	0.71	-25.55	5.84	9.84	7.29	-6.65	0.64
5755	61	0.24	0.27	-25.78	5.84	9.85	7.29	-9.58	-2.29	-25.74	5.84	9.85	7.29	-9.55	-2.26
	62	3.22	0.27	-28.37	5.84	9.85	7.29	-9.19	-1.90	-27.99	5.84	9.85	7.29	-8.81	-1.52
5795	61	0.24	0.27	-26.14	5.83	9.85	7.29	-9.95	-2.66	-26.30	5.83	9.85	7.29	-10.11	-2.82
	62	3.22	0.27	-28.65	5.83	9.85	7.29	-9.48	-2.19	-28.13	5.83	9.85	7.29	-8.96	-1.67

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.

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date April 1, 2020
Temperature / Humidity 24 deg. C / 47 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-40 (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]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.13	0.12	0.25	-6.09	9.71	15.80	0.69	0.63	1.32	1.20	17.00	15.80
5230	0.13	0.11	0.25	-6.08	9.71	15.79	0.71	0.62	1.32	1.21	17.00	15.79
5270	0.20	0.18	0.37	-4.31	9.71	14.02	1.05	0.94	1.99	2.98	17.00	14.02
5310	0.17	0.18	0.36	-4.49	9.71	14.20	0.93	0.98	1.91	2.80	17.00	14.20
5510	0.16	0.21	0.37	-4.29	9.71	14.00	0.88	1.11	1.99	3.00	17.00	14.00
5550	0.16	0.19	0.35	-4.56	9.71	14.27	0.86	1.01	1.87	2.73	17.00	14.27
5670	0.20	0.22	0.42	-3.76	9.71	13.47	1.07	1.18	2.25	3.53	17.00	13.47
5710	0.19	0.20	0.39	-4.13	9.71	13.84	1.02	1.05	2.07	3.16	17.00	13.84
5755	0.11	0.11	0.22	-6.55	28.71	35.26	0.60	0.58	1.19	0.74	36.00	35.26
5795	0.08	0.10	0.19	-7.32	28.71	36.03	0.45	0.55	0.99	-0.03	36.00	36.03

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	0.26	0.00	-24.94	5.93	9.82	7.29	-8.93	-1.64	-25.28	5.93	9.82	7.29	-9.27	-1.98
5230	0.26	0.00	-24.79	5.90	9.82	7.29	-8.81	-1.52	-25.38	5.90	9.82	7.29	-9.40	-2.11
5270	0.26	0.00	-23.05	5.88	9.82	7.29	-7.09	0.20	-23.53	5.88	9.82	7.29	-7.57	-0.28
5310	0.26	0.00	-23.54	5.85	9.82	7.29	-7.61	-0.32	-23.32	5.85	9.82	7.29	-7.39	-0.10
5510	0.26	0.00	-23.76	5.83	9.82	7.29	-7.85	-0.55	-22.73	5.83	9.82	7.29	-6.82	0.47
5550	0.26	0.00	-23.86	5.84	9.83	7.29	-7.93	-0.64	-23.18	5.84	9.83	7.29	-7.25	0.04
5670	0.26	0.00	-22.94	5.84	9.84	7.29	-7.00	0.29	-22.50	5.84	9.84	7.29	-6.56	0.73
5710	0.26	0.00	-23.15	5.84	9.84	7.29	-7.21	0.08	-23.02	5.84	9.84	7.29	-7.08	0.21
5755	0.26	0.27	-25.72	5.84	9.85	7.29	-9.50	-2.21	-25.84	5.84	9.85	7.29	-9.62	-2.33
5795	0.26	0.27	-27.00	5.83	9.85	7.29	-10.79	-3.50	-26.12	5.83	9.85	7.29	-9.91	-2.62

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 20, 2019 December 22, 2019
Temperature / Humidity 24 deg. C / 45 % RH 22 deg. C / 38 % RH
Engineer Akihiko Maeda Akihiko Maeda
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	0.07	0.06	0.12	-9.09	9.71	18.80	0.36	0.30	0.66	-1.80	17.00	18.80
5290	0.09	0.08	0.17	-7.70	9.71	17.41	0.48	0.43	0.91	-0.41	17.00	17.41
5530	0.09	0.08	0.18	-7.52	9.71	17.23	0.49	0.45	0.95	-0.23	17.00	17.23
5610	0.10	0.09	0.19	-7.19	9.71	16.90	0.53	0.49	1.02	0.10	17.00	16.90
5690	0.11	0.09	0.20	-6.97	9.71	16.68	0.58	0.49	1.08	0.32	17.00	16.68
5775	0.06	0.07	0.12	-9.05	28.71	37.76	0.30	0.37	0.67	-1.76	36.00	37.76

Tested Frequency [MHz]	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]
5210	1.01	0.00	-23.92	1.10	10.06	7.29	-11.75	-4.46	-24.41	1.10	9.82	7.29	-12.48	-5.19
5290	1.01	0.00	-22.68	1.11	10.06	7.29	-10.50	-3.21	-22.87	1.11	9.82	7.29	-10.93	-3.64
5530	1.01	0.00	-22.63	1.22	10.05	7.29	-10.35	-3.06	-22.77	1.22	9.83	7.29	-10.71	-3.42
5610	1.01	0.00	-22.30	1.22	10.06	7.29	-10.01	-2.72	-22.46	1.22	9.83	7.29	-10.40	-3.11
5690	1.01	0.00	-21.93	1.22	10.08	7.29	-9.62	-2.33	-22.44	1.22	9.84	7.29	-10.37	-3.08
5775	1.01	0.27	-25.14	1.23	10.09	7.29	-12.54	-5.25	-23.99	1.23	9.85	7.29	-11.63	-4.34

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)

Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date December 20, 2019 December 22, 2019
Temperature / Humidity 24 deg. C / 45 % RH 22 deg. C / 38 % RH
Engineer Akihiko Maeda Akihiko Maeda
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]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5210	0.08	0.06	0.14	-8.53	9.71	18.24	0.41	0.34	0.75	-1.24	17.00	18.24
5290	0.10	0.09	0.19	-7.20	9.71	16.91	0.54	0.48	1.02	0.09	17.00	16.91
5530	0.11	0.10	0.21	-6.77	9.71	16.48	0.59	0.54	1.13	0.52	17.00	16.48
5610	0.11	0.10	0.21	-6.82	9.71	16.53	0.58	0.53	1.11	0.47	17.00	16.53
5690	0.12	0.10	0.22	-6.50	9.71	16.21	0.65	0.55	1.20	0.79	17.00	16.21
5775	0.07	0.07	0.14	-8.48	28.71	37.19	0.38	0.39	0.76	-1.19	36.00	37.19

Tested Frequency [MHz]	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]
5210	0.77	0.00	-23.06	1.10	10.06	7.29	-11.13	-3.84	-23.68	1.10	9.82	7.29	-11.99	-4.70
5290	0.77	0.00	-21.92	1.11	10.06	7.29	-9.98	-2.69	-22.14	1.11	9.82	7.29	-10.44	-3.15
5530	0.77	0.00	-21.61	1.22	10.05	7.29	-9.57	-2.28	-21.83	1.22	9.83	7.29	-10.01	-2.72
5610	0.77	0.00	-21.70	1.22	10.06	7.29	-9.65	-2.36	-21.84	1.22	9.83	7.29	-10.02	-2.73
5690	0.77	0.00	-21.22	1.22	10.08	7.29	-9.15	-1.86	-21.74	1.22	9.84	7.29	-9.91	-2.62
5775	0.77	0.27	-23.91	1.23	10.09	7.29	-11.55	-4.26	-23.54	1.23	9.85	7.29	-11.42	-4.13

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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 6, 2020 March 10, 2020 March 11, 2020 March 12, 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 24 deg. C / 23 deg. C / 24 deg. C /
Humidity 35 % RH 31 % RH 29 % RH 35 % RH 32 % RH 33 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takafumi Takumi
Noguchi Noguchi Noguchi Shimada Noguchi Shimada
Mode Tx 11ax-80 (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 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]
5210	0	0.05	0.04	0.10	-10.22	9.71	19.93	0.29	0.22	0.51	-2.93	17.00	19.93
	18	0.07	0.04	0.11	-9.52	9.71	19.23	0.36	0.24	0.60	-2.23	17.00	19.23
	36	0.07	0.05	0.13	-8.98	9.71	18.69	0.39	0.29	0.68	-1.69	17.00	18.69
5290	0	0.09	0.08	0.16	-7.84	9.71	17.55	0.47	0.41	0.88	-0.55	17.00	17.55
	18	0.06	0.06	0.13	-9.00	9.71	18.71	0.35	0.33	0.67	-1.71	17.00	18.71
	36	0.08	0.09	0.18	-7.47	9.71	17.18	0.45	0.51	0.96	-0.18	17.00	17.18
5530	0	0.05	0.07	0.13	-9.00	9.71	18.71	0.29	0.39	0.67	-1.71	17.00	18.71
	18	0.08	0.07	0.15	-8.26	9.71	17.97	0.45	0.35	0.80	-0.97	17.00	17.97
	36	0.08	0.10	0.18	-7.38	9.71	17.09	0.45	0.53	0.98	-0.09	17.00	17.09
5610	0	0.05	0.09	0.14	-8.39	9.71	18.10	0.29	0.49	0.78	-1.10	17.00	18.10
	18	0.08	0.09	0.17	-7.61	9.71	17.32	0.45	0.48	0.93	-0.32	17.00	17.32
	36	0.08	0.10	0.19	-7.24	9.71	16.95	0.45	0.56	1.01	0.05	17.00	16.95
5690	0	0.05	0.09	0.15	-8.33	9.71	18.04	0.29	0.50	0.79	-1.04	17.00	18.04
	18	0.08	0.06	0.15	-8.31	9.71	18.02	0.45	0.34	0.79	-1.02	17.00	18.02
	36	0.08	0.10	0.18	-7.44	9.71	17.15	0.45	0.52	0.97	-0.15	17.00	17.15
5775	0	0.06	0.05	0.10	-9.91	28.71	38.62	0.31	0.24	0.55	-2.62	36.00	38.62
	18	0.09	0.04	0.13	-8.92	28.71	37.63	0.48	0.20	0.69	-1.63	36.00	37.63
	36	0.09	0.06	0.15	-8.31	28.71	37.02	0.48	0.31	0.79	-1.02	36.00	37.02

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1					Antenna 3					PSD Result	
				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]
5210	0	0.20	0.00	-28.64	5.91	9.82	7.29	-12.71	-5.42	-29.74	5.91	9.82	7.29	-13.81	-6.52
	18	2.19	0.00	-29.61	5.91	9.82	7.29	-11.69	-4.40	-31.49	5.91	9.82	7.29	-13.57	-6.28
	36	2.19	0.00	-29.32	5.91	9.82	7.29	-11.40	-4.11	-30.59	5.91	9.82	7.29	-12.67	-5.38
5290	0	0.20	0.00	-26.49	5.86	9.82	7.29	-10.61	-3.32	-26.99	5.86	9.82	7.29	-11.11	-3.82
	18	2.19	0.00	-29.75	5.86	9.82	7.29	-11.88	-4.59	-30.01	5.86	9.82	7.29	-12.14	-4.85
	36	2.19	0.00	-28.60	5.86	9.82	7.29	-10.73	-3.44	-28.11	5.86	9.82	7.29	-10.24	-2.95
5530	0	0.20	0.00	-28.60	5.84	9.83	7.29	-12.73	-5.44	-27.25	5.84	9.82	7.29	-11.39	-4.10
	18	2.19	0.00	-28.60	5.84	9.83	7.29	-10.74	-3.45	-29.71	5.84	9.82	7.29	-11.86	-4.57
	36	2.19	0.00	-28.60	5.84	9.83	7.29	-10.74	-3.45	-27.92	5.84	9.82	7.29	-10.07	-2.78
5610	0	0.20	0.00	-28.60	5.84	9.83	7.29	-12.73	-5.44	-26.25	5.84	9.83	7.29	-10.38	-3.09
	18	2.19	0.00	-28.60	5.84	9.83	7.29	-10.74	-3.45	-28.36	5.84	9.83	7.29	-10.50	-3.21
	36	2.19	0.00	-28.60	5.84	9.83	7.29	-10.74	-3.45	-27.67	5.84	9.83	7.29	-9.81	-2.52
5690	0	0.20	0.00	-28.60	5.83	9.84	7.29	-12.73	-5.44	-26.15	5.83	9.84	7.29	-10.28	-2.99
	18	2.19	0.00	-28.60	5.83	9.84	7.29	-10.74	-3.45	-29.85	5.83	9.84	7.29	-11.99	-4.70
	36	2.19	0.00	-28.60	5.83	9.84	7.29	-10.74	-3.45	-28.03	5.83	9.84	7.29	-10.17	-2.88
5775	0	0.20	0.27	-28.60	5.84	9.85	7.29	-12.44	-5.15	-29.61	5.84	9.85	7.29	-13.45	-6.16
	18	2.19	0.27	-28.60	5.84	9.85	7.29	-10.45	-3.16	-32.33	5.84	9.85	7.29	-14.18	-6.89
	36	2.19	0.27	-28.60	5.84	9.85	7.29	-10.45	-3.16	-30.55	5.84	9.85	7.29	-12.40	-5.11

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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Telephone : +81 596 24 8999

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 6, 2020 March 10, 2020 March 11, 2020 March 12, 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 24 deg. C / 23 deg. C / 24 deg. C /
Humidity 35 % RH 31 % RH 29 % RH 35 % RH 32 % RH 33 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takafumi Takumi
Noguchi Noguchi Noguchi Shimada Noguchi Shimada
Mode Tx 11ax-80 (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 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]
5210	37	0.06	0.05	0.10	-9.79	9.71	19.50	0.32	0.25	0.56	-2.50	17.00	19.50
	44	0.07	0.05	0.13	-8.91	9.71	18.62	0.39	0.29	0.69	-1.62	17.00	18.62
	52	0.07	0.06	0.13	-8.95	9.71	18.66	0.38	0.31	0.68	-1.66	17.00	18.66
5290	37	0.09	0.09	0.18	-7.56	9.71	17.27	0.47	0.47	0.94	-0.27	17.00	17.27
	44	0.10	0.08	0.18	-7.48	9.71	17.19	0.51	0.44	0.96	-0.19	17.00	17.19
	52	0.10	0.09	0.19	-7.20	9.71	16.91	0.51	0.51	1.02	0.09	17.00	16.91
5530	37	0.07	0.08	0.14	-8.42	9.71	18.13	0.35	0.42	0.77	-1.13	17.00	18.13
	44	0.07	0.10	0.17	-7.65	9.71	17.36	0.39	0.53	0.92	-0.36	17.00	17.36
	52	0.09	0.10	0.19	-7.23	9.71	16.94	0.48	0.53	1.01	0.06	17.00	16.94
5610	37	0.09	0.10	0.19	-7.33	9.71	17.04	0.47	0.52	0.99	-0.04	17.00	17.04
	44	0.10	0.09	0.19	-7.23	9.71	16.94	0.52	0.49	1.01	0.06	17.00	16.94
	52	0.09	0.11	0.19	-7.12	9.71	16.83	0.47	0.57	1.04	0.17	17.00	16.83
5690	37	0.09	0.10	0.19	-7.32	9.71	17.03	0.48	0.51	0.99	-0.03	17.00	17.03
	44	0.10	0.10	0.20	-7.02	9.71	16.73	0.51	0.55	1.06	0.27	17.00	16.73
	52	0.10	0.08	0.18	-7.43	9.71	17.14	0.55	0.42	0.97	-0.14	17.00	17.14
5775	37	0.05	0.05	0.10	-10.02	28.71	38.73	0.29	0.25	0.53	-2.73	36.00	38.73
	44	0.06	0.05	0.11	-9.58	28.71	38.29	0.33	0.26	0.59	-2.29	36.00	38.29
	52	0.06	0.06	0.12	-9.31	28.71	38.02	0.33	0.30	0.63	-2.02	36.00	38.02

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1				Antenna 3				PSD Result			
				PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Cond. [dBm/MHz]	PSD e.i.r.p. [dBm/MHz]	PSD Cond. [dBm/MHz]	PSD e.i.r.p. [dBm/MHz]
5210	37	0.20	0.00	-28.21	5.91	9.82	7.29	-12.28	-4.99	-29.32	5.91	9.82	7.29	-13.39	-6.10
	44	2.18	0.00	-29.24	5.91	9.82	7.29	-11.33	-4.04	-30.51	5.91	9.82	7.29	-12.60	-5.31
	52	2.18	0.00	-29.46	5.91	9.82	7.29	-11.55	-4.26	-30.33	5.91	9.82	7.29	-12.42	-5.13
5290	37	0.20	0.00	-26.41	5.86	9.82	7.29	-10.53	-3.24	-26.49	5.86	9.82	7.29	-10.61	-3.32
	44	2.18	0.00	-28.05	5.86	9.82	7.29	-10.19	-2.90	-28.67	5.86	9.82	7.29	-10.81	-3.52
	52	2.18	0.00	-28.06	5.86	9.82	7.29	-10.20	-2.91	-28.09	5.86	9.82	7.29	-10.23	-2.94
5530	37	0.20	0.00	-27.71	5.84	9.83	7.29	-11.84	-4.55	-26.91	5.84	9.82	7.29	-11.05	-3.76
	44	2.18	0.00	-29.19	5.84	9.83	7.29	-11.34	-4.05	-27.91	5.84	9.82	7.29	-10.07	-2.78
	52	2.18	0.00	-28.30	5.84	9.83	7.29	-10.45	-3.16	-27.89	5.84	9.82	7.29	-10.05	-2.76
5610	37	0.20	0.00	-26.42	5.84	9.83	7.29	-10.55	-3.26	-26.01	5.84	9.83	7.29	-10.14	-2.85
	44	2.18	0.00	-27.96	5.84	9.83	7.29	-10.11	-2.82	-28.22	5.84	9.83	7.29	-10.37	-3.08
	52	2.18	0.00	-28.44	5.84	9.83	7.29	-10.59	-3.30	-27.57	5.84	9.83	7.29	-9.72	-2.43
5690	37	0.20	0.00	-26.33	5.83	9.84	7.29	-10.46	-3.17	-26.08	5.83	9.84	7.29	-10.21	-2.92
	44	2.18	0.00	-28.02	5.83	9.84	7.29	-10.17	-2.88	-27.75	5.83	9.84	7.29	-9.90	-2.61
	52	2.18	0.00	-27.77	5.83	9.84	7.29	-9.92	-2.63	-28.88	5.83	9.84	7.29	-11.03	-3.74
5775	37	0.20	0.27	-28.90	5.84	9.85	7.29	-12.74	-5.45	-29.49	5.84	9.85	7.29	-13.33	-6.04
	44	2.18	0.27	-30.19	5.84	9.85	7.29	-12.05	-4.76	-31.34	5.84	9.85	7.29	-13.20	-5.91
	52	2.18	0.27	-30.25	5.84	9.85	7.29	-12.11	-4.82	-30.68	5.84	9.85	7.29	-12.54	-5.25

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 (Specified bandwidth / 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. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 6, 2020 March 10, 2020 March 11, 2020 March 12, 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 24 deg. C / 23 deg. C / 24 deg. C /
Humidity 35 % RH 31 % RH 29 % RH 35 % RH 32 % RH 33 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takafumi Takumi
Noguchi Noguchi Noguchi Shimada Noguchi Shimada
Mode Tx 11ax-80 (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 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]
5210	53	0.06	0.05	0.11	-9.71	9.71	19.42	0.32	0.25	0.57	-2.42	17.00	19.42
	56	0.07	0.06	0.13	-8.86	9.71	18.57	0.38	0.32	0.70	-1.57	17.00	18.57
	60	0.07	0.06	0.13	-8.80	9.71	18.51	0.40	0.31	0.71	-1.51	17.00	18.51
5290	53	0.09	0.09	0.18	-7.57	9.71	17.28	0.47	0.47	0.94	-0.28	17.00	17.28
	56	0.09	0.10	0.19	-7.25	9.71	16.96	0.46	0.55	1.01	0.04	17.00	16.96
	60	0.09	0.08	0.17	-7.71	9.71	17.42	0.47	0.44	0.91	-0.42	17.00	17.42
5530	53	0.07	0.08	0.15	-8.30	9.71	18.01	0.36	0.43	0.79	-1.01	17.00	18.01
	56	0.08	0.09	0.17	-7.78	9.71	17.49	0.41	0.48	0.89	-0.49	17.00	17.49
	60	0.09	0.09	0.19	-7.31	9.71	17.02	0.51	0.49	1.00	-0.02	17.00	17.02
5610	53	0.09	0.10	0.19	-7.18	9.71	16.89	0.46	0.56	1.03	0.11	17.00	16.89
	56	0.10	0.10	0.20	-7.00	9.71	16.71	0.53	0.54	1.07	0.29	17.00	16.71
	60	0.09	0.11	0.21	-6.86	9.71	16.57	0.51	0.60	1.11	0.43	17.00	16.57
5690	53	0.09	0.10	0.19	-7.20	9.71	16.91	0.48	0.54	1.02	0.09	17.00	16.91
	56	0.11	0.09	0.20	-7.08	9.71	16.79	0.57	0.48	1.05	0.21	17.00	16.79
	60	0.10	0.09	0.19	-7.21	9.71	16.92	0.51	0.50	1.02	0.08	17.00	16.92
5775	53	0.06	0.05	0.10	-9.89	28.71	38.60	0.30	0.25	0.55	-2.60	36.00	38.60
	56	0.07	0.05	0.12	-9.21	28.71	37.92	0.36	0.29	0.64	-1.92	36.00	37.92
	60	0.06	0.06	0.12	-9.19	28.71	37.90	0.32	0.33	0.65	-1.90	36.00	37.90

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1				Antenna 3				PSD Result			
				PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Cond. [dBm/MHz]	PSD e.i.r.p. [dBm/MHz]	PSD Cond. [dBm/MHz]	PSD e.i.r.p. [dBm/MHz]
5210	53	0.20	0.00	-28.13	5.91	9.82	7.29	-12.20	-4.91	-29.24	5.91	9.82	7.29	-13.31	-6.02
	56	2.45	0.00	-29.72	5.91	9.82	7.29	-11.54	-4.25	-30.41	5.91	9.82	7.29	-12.23	-4.94
	60	2.45	0.00	-29.48	5.91	9.82	7.29	-11.30	-4.01	-30.56	5.91	9.82	7.29	-12.38	-5.09
5290	53	0.20	0.00	-26.47	5.86	9.82	7.29	-10.59	-3.30	-26.44	5.86	9.82	7.29	-10.56	-3.27
	56	2.45	0.00	-28.81	5.86	9.82	7.29	-10.68	-3.39	-28.00	5.86	9.82	7.29	-9.87	-2.58
	60	2.45	0.00	-28.72	5.86	9.82	7.29	-10.59	-3.30	-28.98	5.86	9.82	7.29	-10.85	-3.56
5530	53	0.20	0.00	-27.59	5.84	9.83	7.29	-11.72	-4.43	-26.79	5.84	9.82	7.29	-10.93	-3.64
	56	2.45	0.00	-29.28	5.84	9.83	7.29	-11.16	-3.87	-28.56	5.84	9.82	7.29	-10.45	-3.16
	60	2.45	0.00	-28.34	5.84	9.83	7.29	-10.22	-2.93	-28.53	5.84	9.82	7.29	-10.42	-3.13
5610	53	0.20	0.00	-26.49	5.84	9.83	7.29	-10.62	-3.33	-25.67	5.84	9.83	7.29	-9.80	-2.51
	56	2.45	0.00	-28.21	5.84	9.83	7.29	-10.09	-2.80	-28.05	5.84	9.83	7.29	-9.93	-2.64
	60	2.45	0.00	-28.35	5.84	9.83	7.29	-10.23	-2.94	-27.65	5.84	9.83	7.29	-9.53	-2.24
5690	53	0.20	0.00	-26.32	5.83	9.84	7.29	-10.45	-3.16	-25.85	5.83	9.84	7.29	-9.98	-2.69
	56	2.45	0.00	-27.83	5.83	9.84	7.29	-9.71	-2.42	-28.62	5.83	9.84	7.29	-10.50	-3.21
	60	2.45	0.00	-28.31	5.83	9.84	7.29	-10.19	-2.90	-28.38	5.83	9.84	7.29	-10.26	-2.97
5775	53	0.20	0.27	-28.61	5.84	9.85	7.29	-12.45	-5.16	-29.55	5.84	9.85	7.29	-13.40	-6.11
	56	2.45	0.27	-30.18	5.84	9.85	7.29	-11.77	-4.48	-31.13	5.84	9.85	7.29	-12.72	-5.43
	60	2.45	0.27	-30.70	5.84	9.85	7.29	-12.29	-5.00	-30.51	5.84	9.85	7.29	-12.11	-4.82

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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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 6, 2020 March 10, 2020 March 11, 2020 March 12, 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 24 deg. C / 23 deg. C / 24 deg. C /
Humidity 35 % RH 31 % RH 29 % RH 35 % RH 32 % RH 33 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takafumi Takumi
Noguchi Noguchi Noguchi Shimada Noguchi Shimada
Mode Tx 11ax-80 (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 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]
5210	61	0.06	0.05	0.12	-9.35	9.71	19.06	0.33	0.29	0.62	-2.06	17.00	19.06
	62	0.07	0.06	0.13	-8.98	9.71	18.69	0.36	0.32	0.68	-1.69	17.00	18.69
	64	0.07	0.06	0.14	-8.67	9.71	18.38	0.39	0.34	0.73	-1.38	17.00	18.38
5290	61	0.09	0.10	0.19	-7.27	9.71	16.98	0.49	0.51	1.00	0.02	17.00	16.98
	62	0.09	0.09	0.19	-7.23	9.71	16.94	0.51	0.51	1.01	0.06	17.00	16.94
	64	0.10	0.09	0.19	-7.21	9.71	16.92	0.52	0.49	1.02	0.08	17.00	16.92
5530	61	0.08	0.11	0.19	-7.19	9.71	16.90	0.45	0.57	1.02	0.10	17.00	16.90
	62	0.09	0.10	0.18	-7.36	9.71	17.07	0.46	0.53	0.98	-0.07	17.00	17.07
	64	0.10	0.11	0.21	-6.81	9.71	16.52	0.52	0.60	1.12	0.48	17.00	16.52
5610	61	0.10	0.11	0.21	-6.88	9.71	16.59	0.52	0.58	1.10	0.41	17.00	16.59
	62	0.10	0.11	0.20	-6.89	9.71	16.60	0.52	0.58	1.10	0.40	17.00	16.60
	64	0.10	0.11	0.20	-6.90	9.71	16.61	0.51	0.58	1.09	0.39	17.00	16.61
5690	61	0.11	0.11	0.22	-6.56	9.71	16.27	0.57	0.61	1.18	0.73	17.00	16.27
	62	0.11	0.10	0.21	-6.73	9.71	16.44	0.58	0.56	1.14	0.56	17.00	16.44
	64	0.12	0.11	0.22	-6.52	9.71	16.23	0.62	0.57	1.19	0.77	17.00	16.23
5775	61	0.06	0.05	0.11	-9.47	28.71	38.18	0.32	0.29	0.61	-2.18	36.00	38.18
	62	0.06	0.06	0.12	-9.32	28.71	38.03	0.30	0.32	0.63	-2.03	36.00	38.03
	64	0.06	0.07	0.13	-8.96	28.71	37.67	0.33	0.35	0.68	-1.67	36.00	37.67

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	Antenna 1				Antenna 3				PSD Result			
				PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	PSD Cond. [dBm/MHz]	PSD e.i.r.p. [dBm/MHz]	PSD Cond. [dBm/MHz]	PSD e.i.r.p. [dBm/MHz]
5210	61	0.24	0.00	-28.09	5.91	9.82	7.29	-12.12	-4.83	-28.58	5.91	9.82	7.29	-12.61	-5.32
	62	0.24	0.00	-27.68	5.91	9.82	7.29	-11.71	-4.42	-28.26	5.91	9.82	7.29	-12.29	-5.00
	64	3.04	0.00	-30.19	5.91	9.82	7.29	-11.42	-4.13	-30.73	5.91	9.82	7.29	-11.96	-4.67
5290	61	0.24	0.00	-26.27	5.86	9.82	7.29	-10.35	-3.06	-26.14	5.86	9.82	7.29	-10.22	-2.93
	62	0.24	0.00	-26.14	5.86	9.82	7.29	-10.22	-2.93	-26.18	5.86	9.82	7.29	-10.26	-2.97
	64	3.04	0.00	-28.81	5.86	9.82	7.29	-10.09	-2.80	-29.07	5.86	9.82	7.29	-10.35	-3.06
5530	61	0.24	0.00	-26.65	5.84	9.83	7.29	-10.74	-3.45	-25.63	5.84	9.82	7.29	-9.73	-2.44
	62	0.24	0.00	-26.61	5.84	9.83	7.29	-10.70	-3.41	-25.96	5.84	9.82	7.29	-10.06	-2.77
	64	3.04	0.00	-28.86	5.84	9.83	7.29	-10.15	-2.86	-28.20	5.84	9.82	7.29	-9.50	-2.21
5610	61	0.24	0.00	-26.04	5.84	9.83	7.29	-10.13	-2.84	-25.57	5.84	9.83	7.29	-9.66	-2.37
	62	0.24	0.00	-26.05	5.84	9.83	7.29	-10.14	-2.85	-25.59	5.84	9.83	7.29	-9.68	-2.39
	64	3.04	0.00	-28.93	5.84	9.83	7.29	-10.22	-2.93	-28.34	5.84	9.83	7.29	-9.63	-2.34
5690	61	0.24	0.00	-25.63	5.83	9.84	7.29	-9.72	-2.43	-25.34	5.83	9.84	7.29	-9.43	-2.14
	62	0.24	0.00	-25.57	5.83	9.84	7.29	-9.66	-2.37	-25.74	5.83	9.84	7.29	-9.83	-2.54
	64	3.04	0.00	-28.05	5.83	9.84	7.29	-9.34	-2.05	-28.44	5.83	9.84	7.29	-9.73	-2.44
5775	61	0.24	0.27	-28.50	5.84	9.85	7.29	-12.30	-5.01	-28.86	5.84	9.85	7.29	-12.66	-5.37
	62	0.24	0.27	-28.68	5.84	9.85	7.29	-12.48	-5.19	-28.39	5.84	9.85	7.29	-12.19	-4.90
	64	3.04	0.27	-31.09	5.84	9.85	7.29	-12.09	-4.80	-30.85	5.84	9.85	7.29	-11.86	-4.57

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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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date February 28, 2020 March 3, 2020 March 6, 2020 March 10, 2020 March 11, 2020 March 12, 2020
Temperature / 23 deg. C / 24 deg. C / 20 deg. C / 24 deg. C / 23 deg. C / 24 deg. C /
Humidity 35 % RH 31 % RH 29 % RH 35 % RH 32 % RH 33 % RH
Engineer Takafumi Takafumi Takafumi Takumi Takafumi Takumi
Noguchi Noguchi Noguchi Shimada Noguchi Shimada
Mode Tx 11ax-80 (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	0.06	0.12	-9.08	9.71	18.79	0.34	0.32	0.66	-1.79	17.00	18.79
	66	0.06	0.06	0.13	-9.02	9.71	18.73	0.33	0.34	0.67	-1.73	17.00	18.73
5290	65	0.10	0.09	0.19	-7.26	9.71	16.97	0.53	0.47	1.01	0.03	17.00	16.97
	66	0.10	0.09	0.19	-7.23	9.71	16.94	0.51	0.50	1.01	0.06	17.00	16.94
5530	65	0.08	0.10	0.18	-7.43	9.71	17.14	0.45	0.52	0.97	-0.14	17.00	17.14
	66	0.09	0.11	0.20	-6.99	9.71	16.70	0.51	0.56	1.07	0.30	17.00	16.70
5610	65	0.09	0.11	0.21	-6.87	9.71	16.58	0.51	0.60	1.10	0.42	17.00	16.58
	66	0.10	0.10	0.21	-6.87	9.71	16.58	0.54	0.56	1.10	0.42	17.00	16.58
5690	65	0.10	0.11	0.21	-6.79	9.71	16.50	0.55	0.57	1.12	0.50	17.00	16.50
	66	0.10	0.11	0.21	-6.88	9.71	16.59	0.53	0.57	1.10	0.41	17.00	16.59
5775	65	0.06	0.06	0.12	-9.35	28.71	38.06	0.32	0.31	0.62	-2.06	36.00	38.06
	66	0.06	0.06	0.11	-9.41	28.71	38.12	0.31	0.31	0.61	-2.12	36.00	38.12

Tested Frequency [MHz]	RU Index	Antenna 1							Antenna 3						
		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	PSD Result
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond. e.i.r.p.	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond. e.i.r.p.	[dBm/MHz]	[dBm/MHz]
5210	65	0.25	0.00	-27.94	5.91	9.82	7.29	-11.96	-4.67	-28.20	5.91	9.82	7.29	-12.22	-4.93
	66	0.25	0.00	-28.06	5.91	9.82	7.29	-12.08	-4.79	-27.96	5.91	9.82	7.29	-11.98	-4.69
5290	65	0.25	0.00	-25.94	5.86	9.82	7.29	-10.01	-2.72	-26.47	5.86	9.82	7.29	-10.54	-3.25
	66	0.25	0.00	-26.10	5.86	9.82	7.29	-10.17	-2.88	-26.23	5.86	9.82	7.29	-10.30	-3.01
5530	65	0.25	0.00	-26.68	5.84	9.83	7.29	-10.76	-3.47	-26.06	5.84	9.82	7.29	-10.15	-2.86
	66	0.25	0.00	-26.15	5.84	9.83	7.29	-10.23	-2.94	-25.69	5.84	9.82	7.29	-9.78	-2.49
5610	65	0.25	0.00	-26.16	5.84	9.83	7.29	-10.24	-2.95	-25.46	5.84	9.83	7.29	-9.54	-2.25
	66	0.25	0.00	-25.89	5.84	9.83	7.29	-9.97	-2.68	-25.72	5.84	9.83	7.29	-9.80	-2.51
5690	65	0.25	0.00	-25.79	5.83	9.84	7.29	-9.87	-2.58	-25.65	5.83	9.84	7.29	-9.73	-2.44
	66	0.25	0.00	-25.97	5.83	9.84	7.29	-10.05	-2.76	-25.65	5.83	9.84	7.29	-9.73	-2.44
5775	65	0.25	0.27	-28.51	5.84	9.85	7.29	-12.30	-5.01	-28.63	5.84	9.85	7.29	-12.42	-5.13
	66	0.25	0.27	-28.64	5.84	9.85	7.29	-12.43	-5.14	-28.62	5.84	9.85	7.29	-12.41	-5.12

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.

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Maximum Power Spectral Density

Report No. 13170804H
Test place Ise EMC Lab. No.3 Measurement Room
Date April 1, 2020
Temperature / Humidity 24 deg. C / 47 % RH
Engineer Takafumi Noguchi
Mode Tx 11ax-80 (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]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5210	0.06	0.06	0.12	-9.24	9.71	18.95	0.33	0.31	0.64	-1.95	17.00	18.95
5290	0.09	0.09	0.18	-7.49	9.71	17.20	0.46	0.50	0.96	-0.20	17.00	17.20
5530	0.08	0.09	0.17	-7.73	9.71	17.44	0.43	0.47	0.90	-0.44	17.00	17.44
5610	0.09	0.10	0.19	-7.31	9.71	17.02	0.49	0.51	1.00	-0.02	17.00	17.02
5690	0.10	0.10	0.20	-7.04	9.71	16.75	0.54	0.52	1.06	0.25	17.00	16.75
5775	0.05	0.05	0.11	-9.75	28.71	38.46	0.28	0.29	0.57	-2.46	36.00	38.46

			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	0.25	0.00	-28.06	5.91	9.82	7.29	-12.08	-4.79	-28.41	5.91	9.82	7.29	-12.43	-5.14
5290	0.25	0.00	-26.62	5.86	9.82	7.29	-10.69	-3.40	-26.25	5.86	9.82	7.29	-10.32	-3.03
5530	0.25	0.00	-26.89	5.84	9.83	7.29	-10.97	-3.68	-26.45	5.84	9.83	7.29	-10.53	-3.24
5610	0.25	0.00	-26.35	5.84	9.83	7.29	-10.43	-3.14	-26.14	5.84	9.83	7.29	-10.22	-2.93
5690	0.25	0.00	-25.91	5.83	9.84	7.29	-9.99	-2.70	-26.04	5.83	9.84	7.29	-10.12	-2.83
5775	0.25	0.27	-29.02	5.84	9.85	7.29	-12.81	-5.52	-28.92	5.84	9.85	7.29	-12.71	-5.42

Sample Calculation:

PSD: Power Spectral Density

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

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

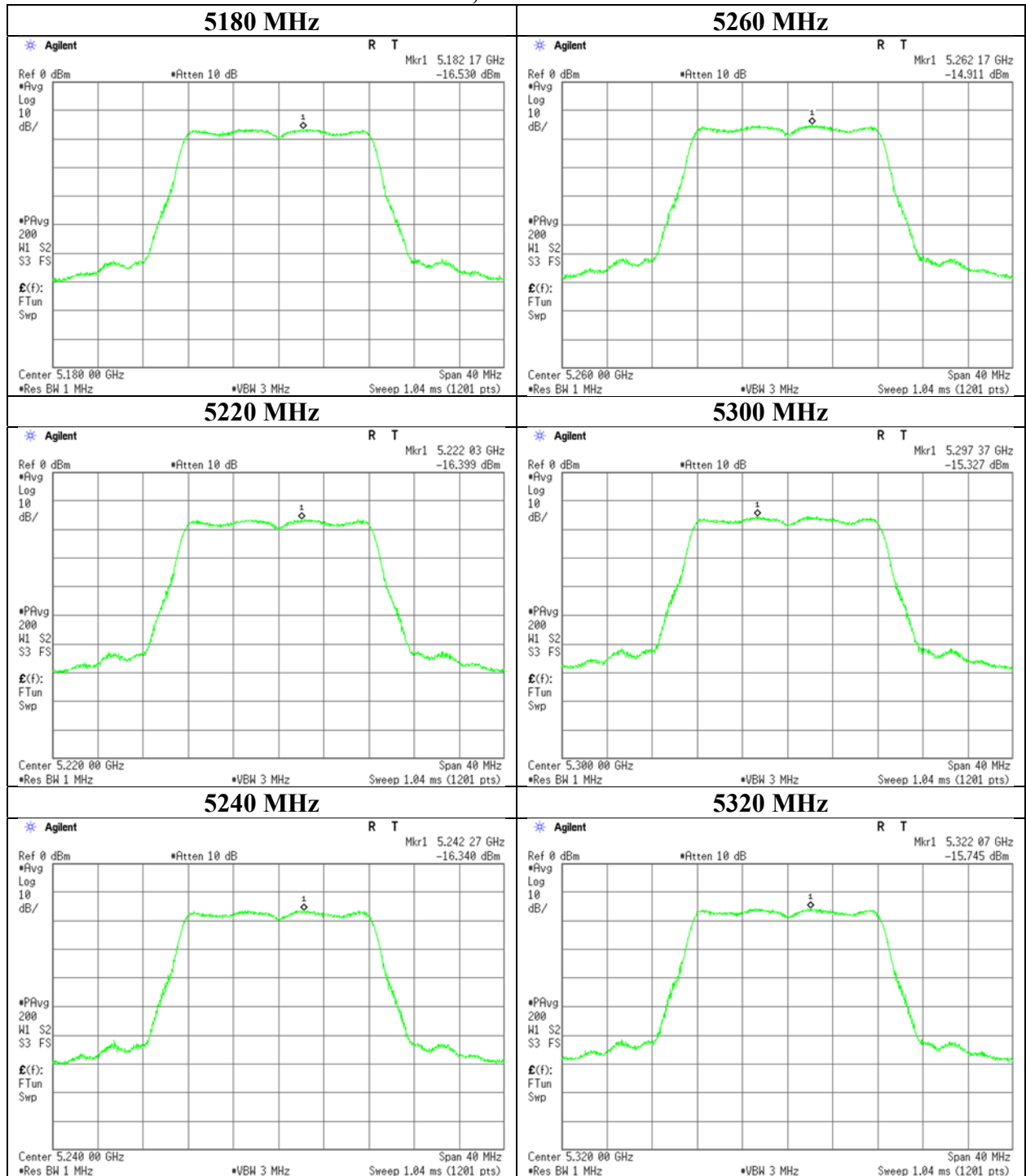
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

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

11a, Antenna 1



UL Japan, Inc.

Ise EMC Lab.

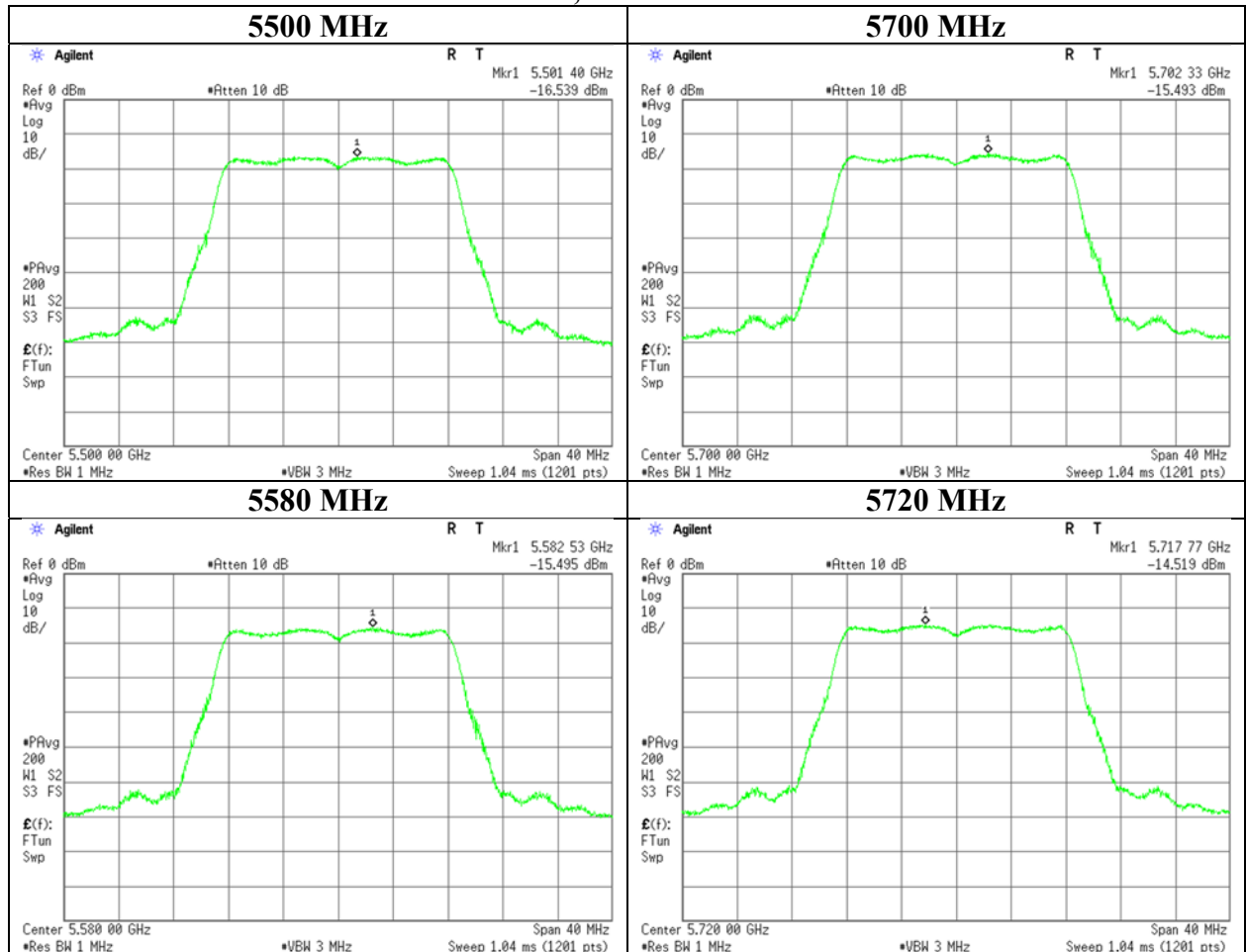
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Maximum Power Spectral Density

11a, Antenna 1



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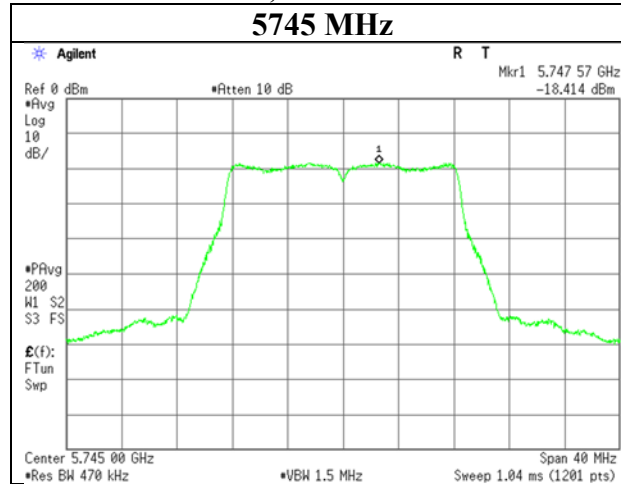
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

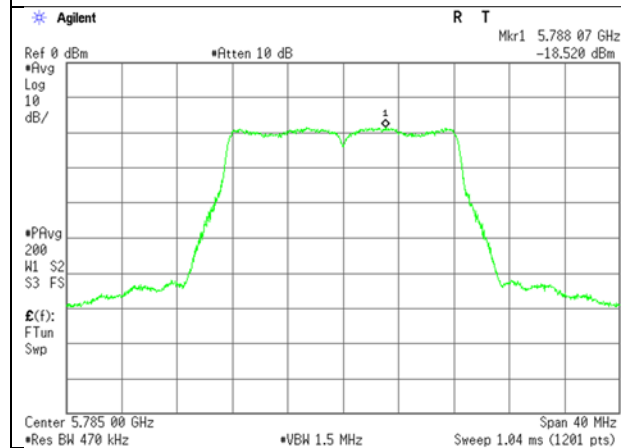
Maximum Power Spectral Density

11a, Antenna 1

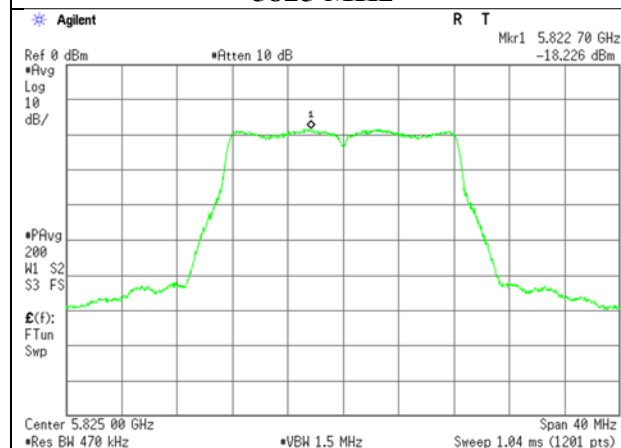
5745 MHz



5785 MHz

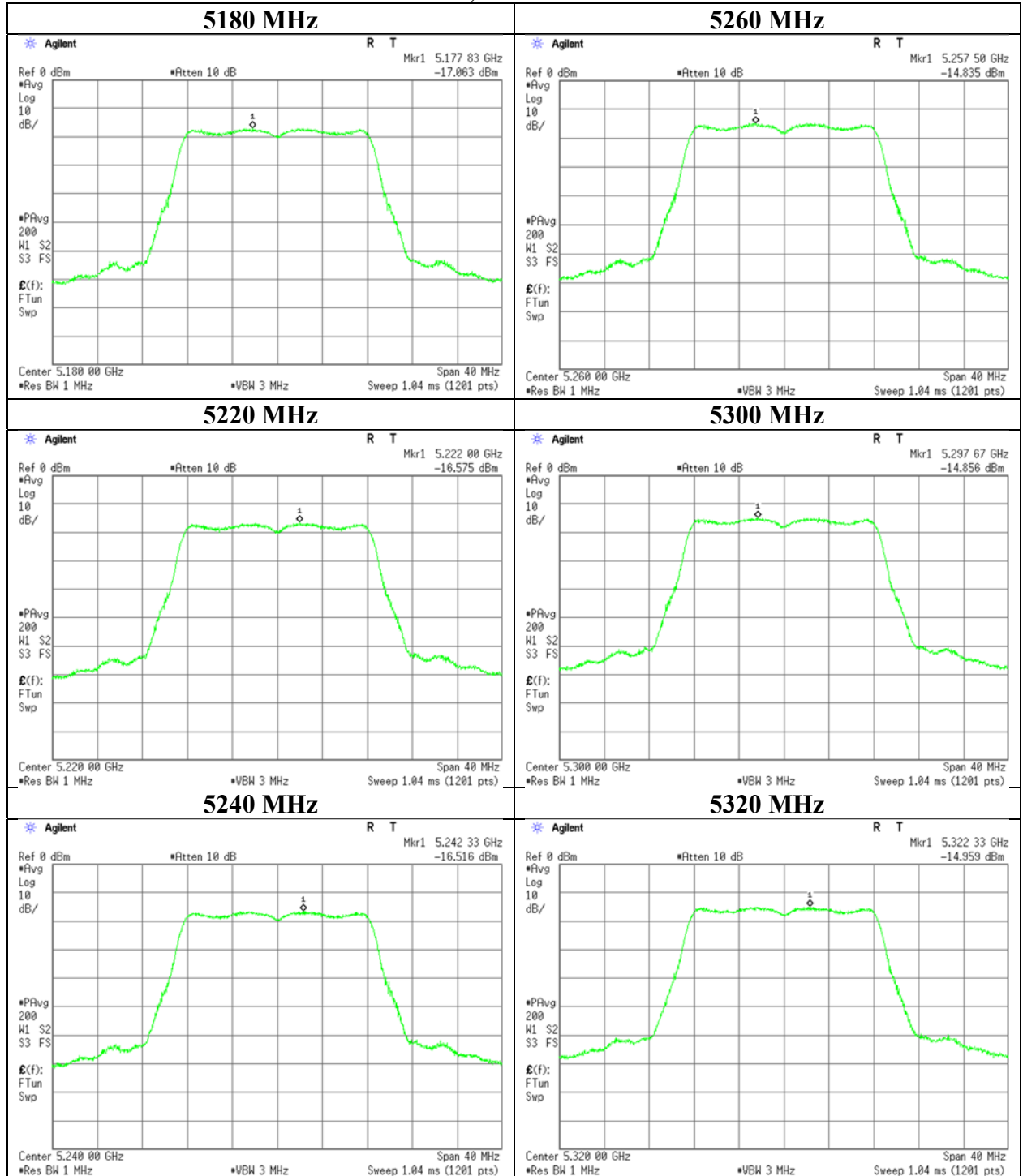


5825 MHz



Maximum Power Spectral Density

11a, Antenna 3



UL Japan, Inc.

Ise EMC Lab.

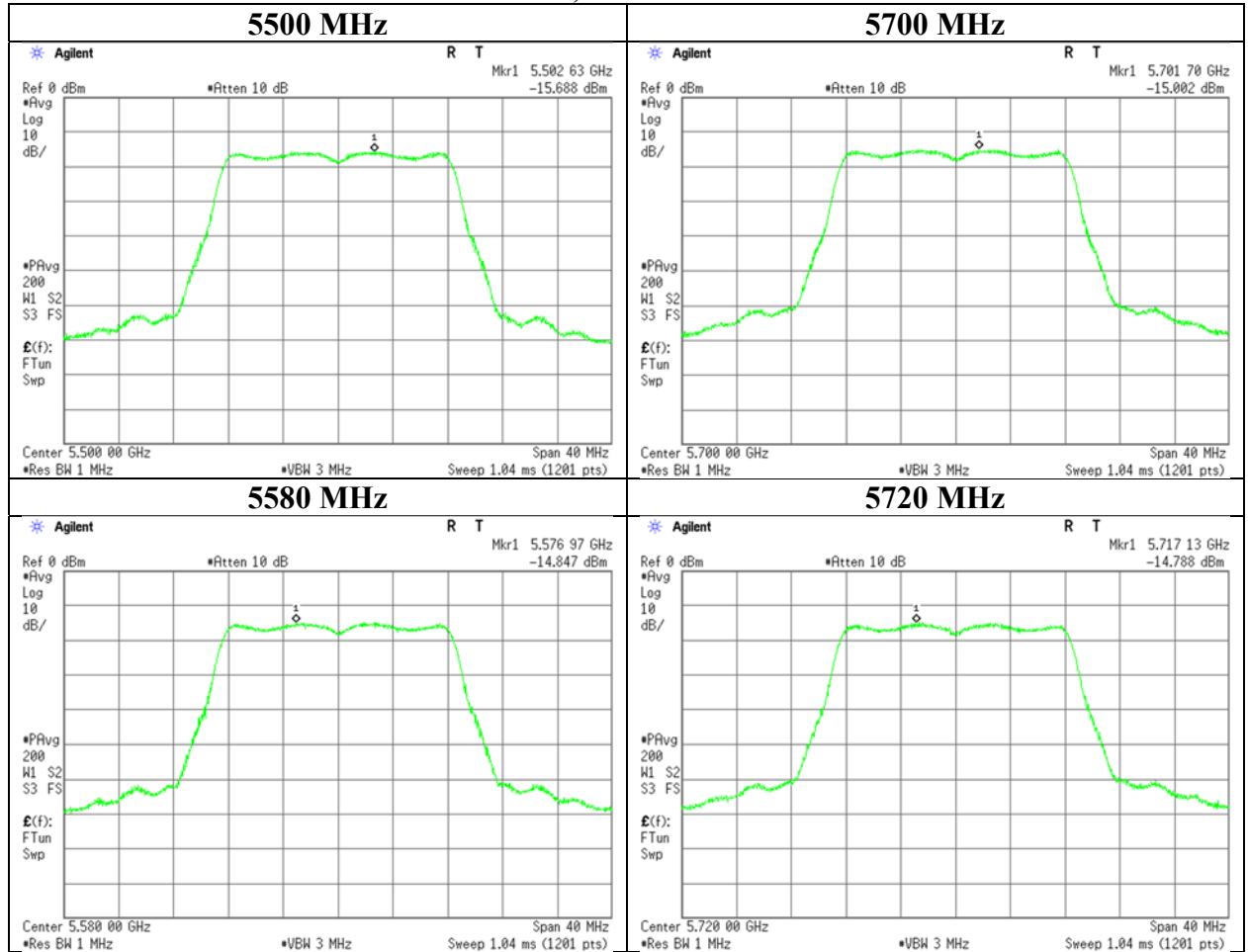
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Maximum Power Spectral Density

11a, Antenna 3



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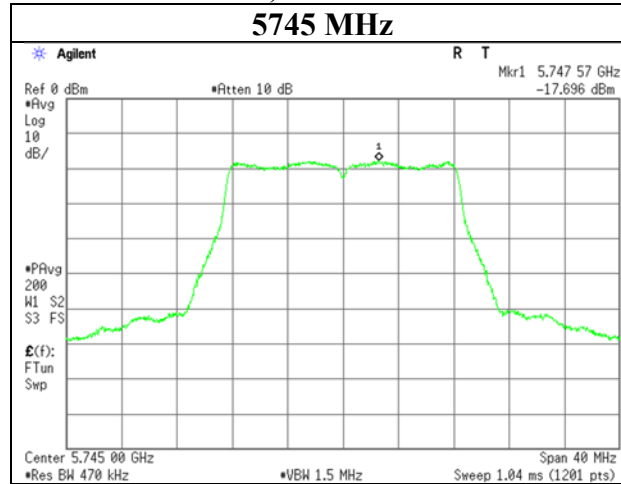
Telephone : +81 596 24 8999

Facsimile : +81 596 24 8124

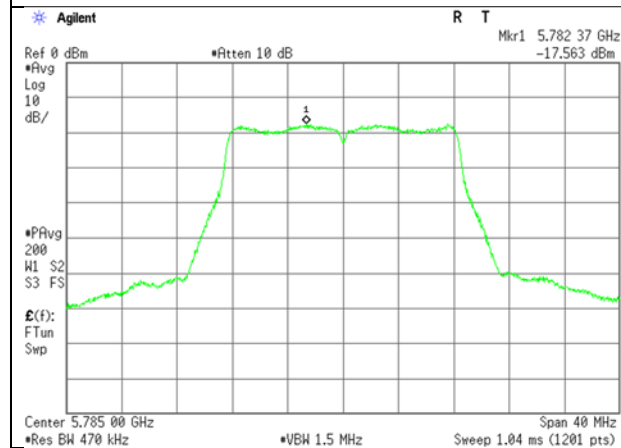
Maximum Power Spectral Density

11a, Antenna 3

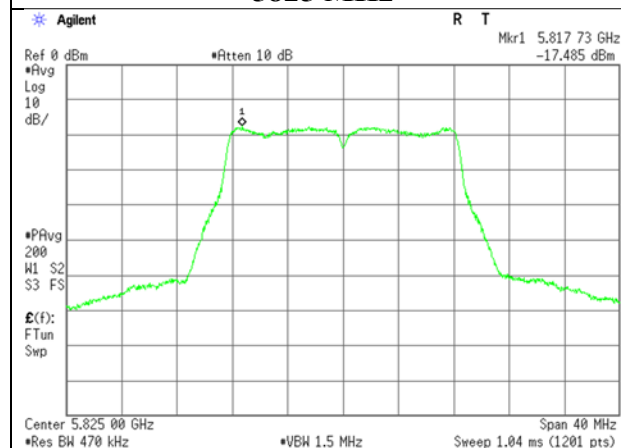
5745 MHz



5785 MHz



5825 MHz



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