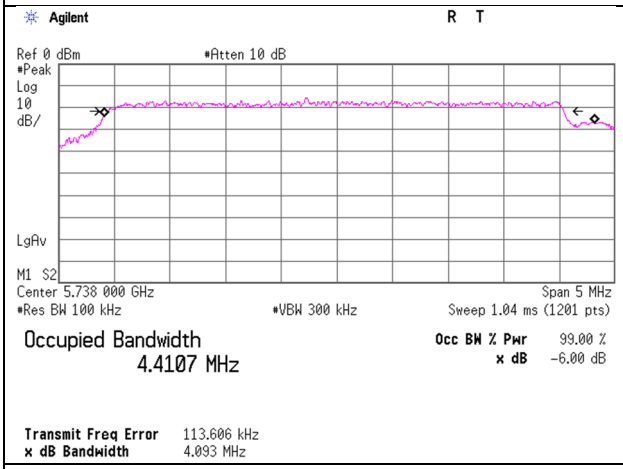
6 dB Bandwidth

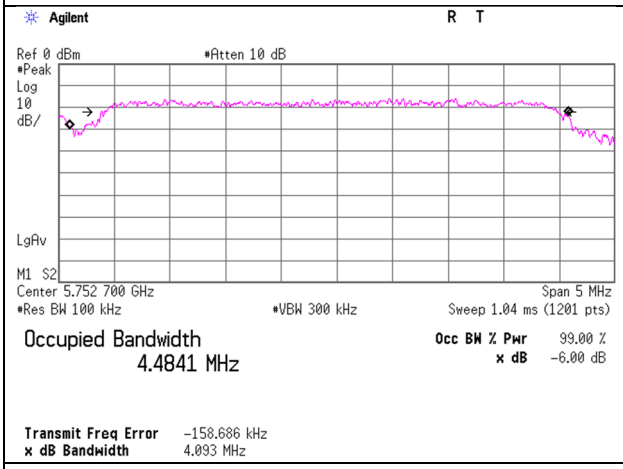
11ax-40 (OFDMA)

52-tone RU 5755 MHz

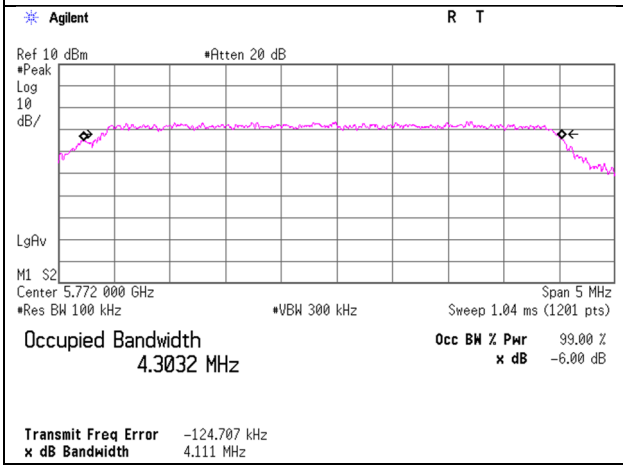
RU Index 37



RU Index 40

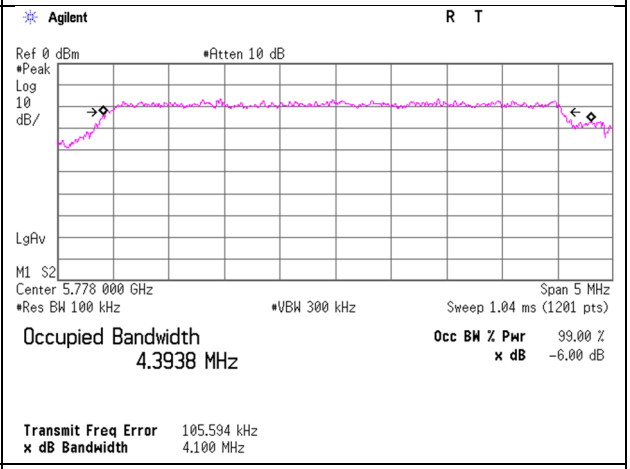


RU Index 44

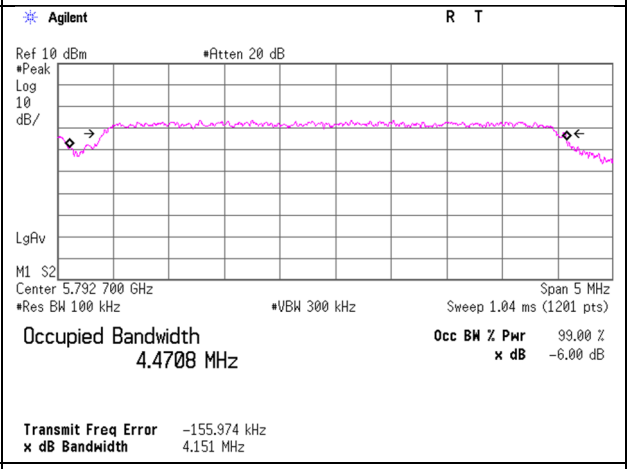


52-tone RU 5795 MHz

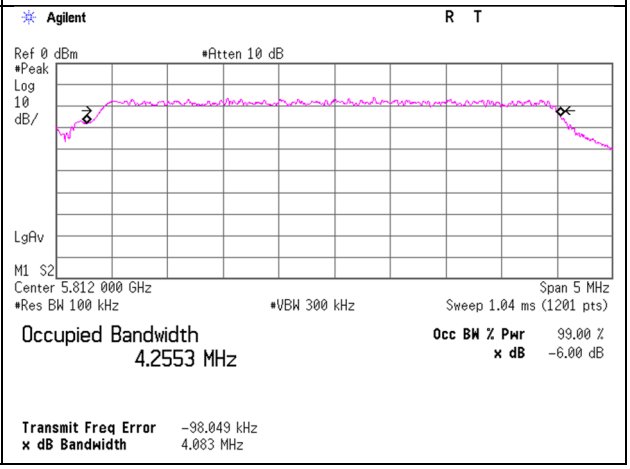
RU Index 37



RU Index 40



RU Index 44

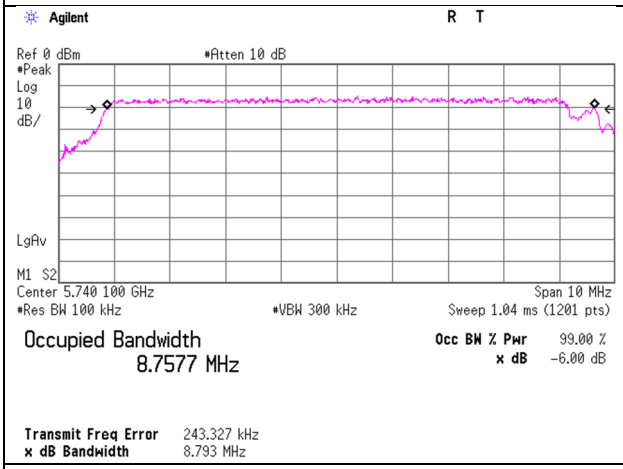


6 dB Bandwidth

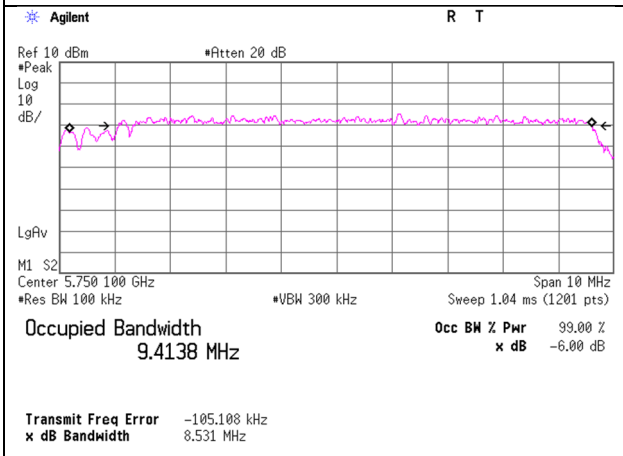
11ax-40 (OFDMA)

106-tone RU 5755 MHz

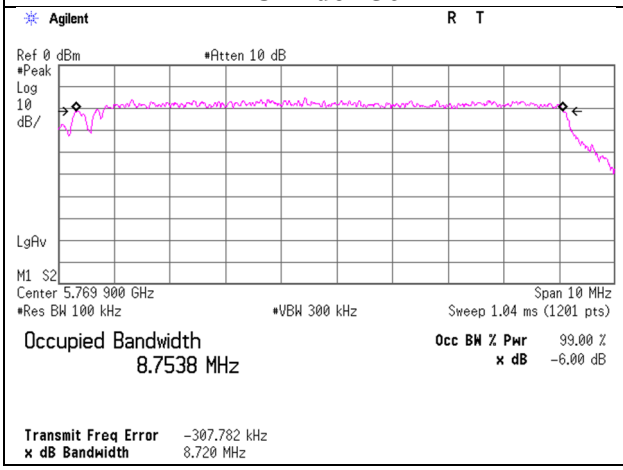
RU Index 53



RU Index 54

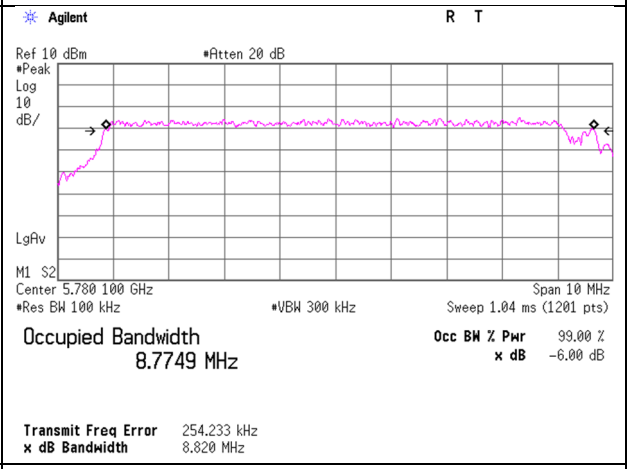


RU Index 56

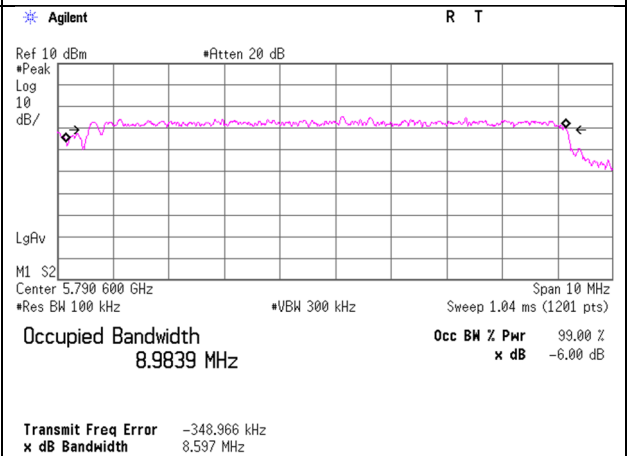


106-tone RU 5795 MHz

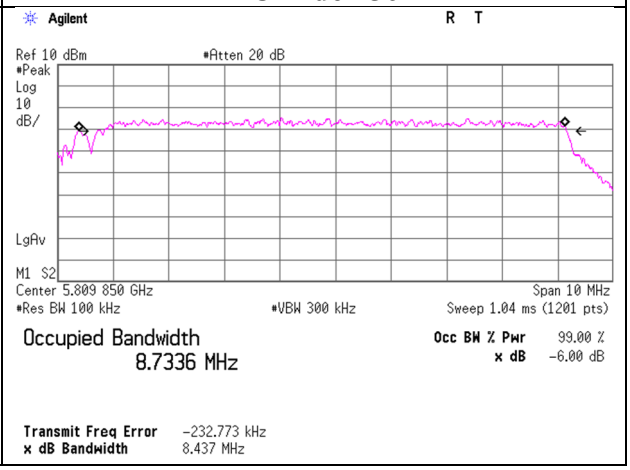
RU Index 53



RU Index 54



RU Index 56

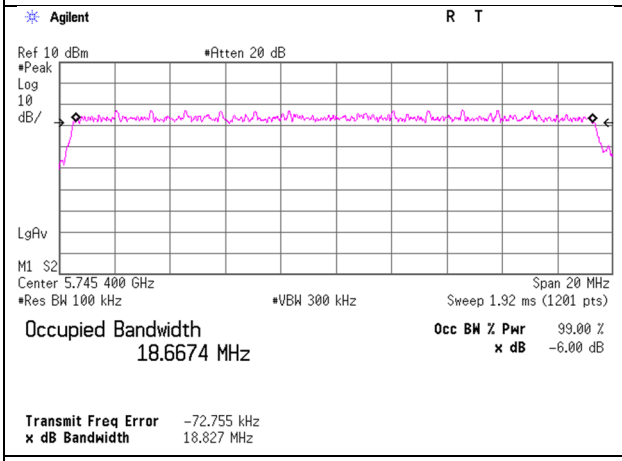


6 dB Bandwidth

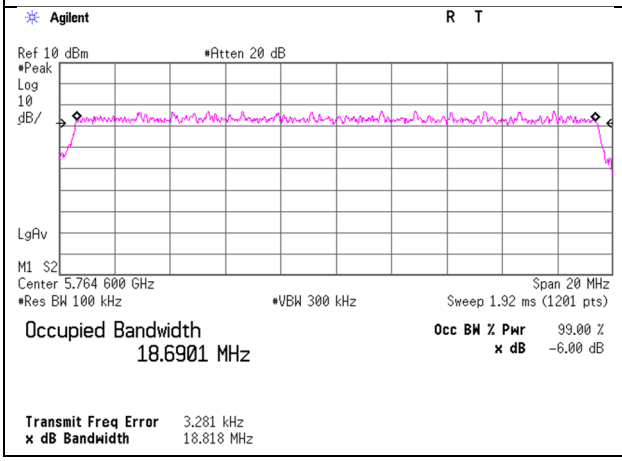
11ax-40 (OFDMA)

242-tone RU 5755 MHz

RU Index 61

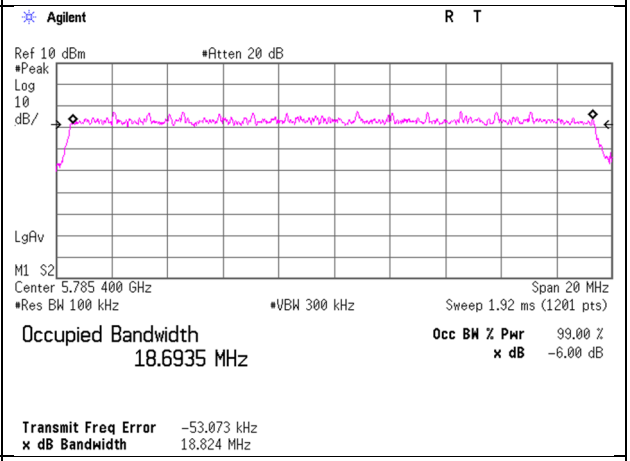


RU Index 62

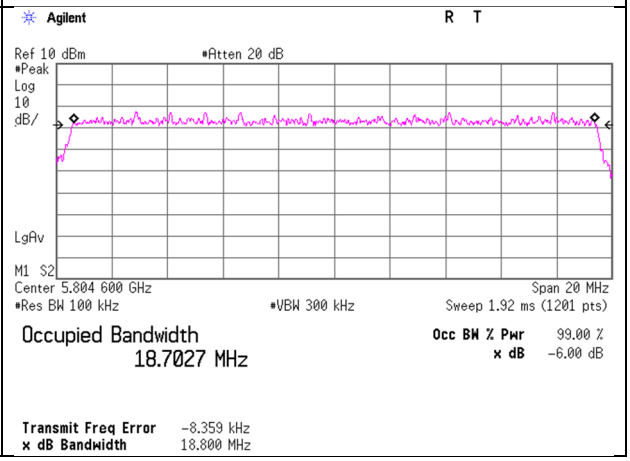


242-tone RU 5795 MHz

RU Index 61



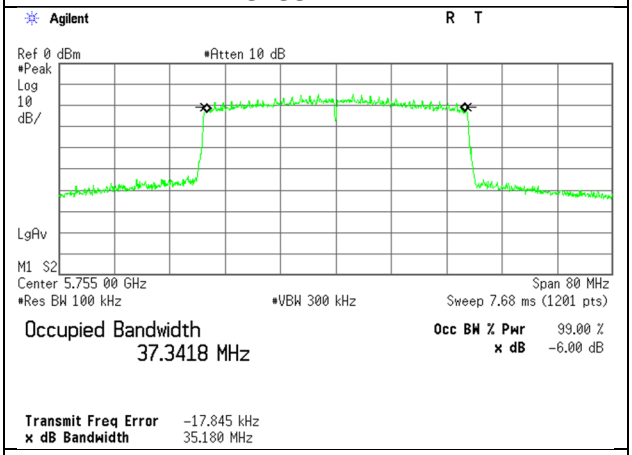
RU Index 62



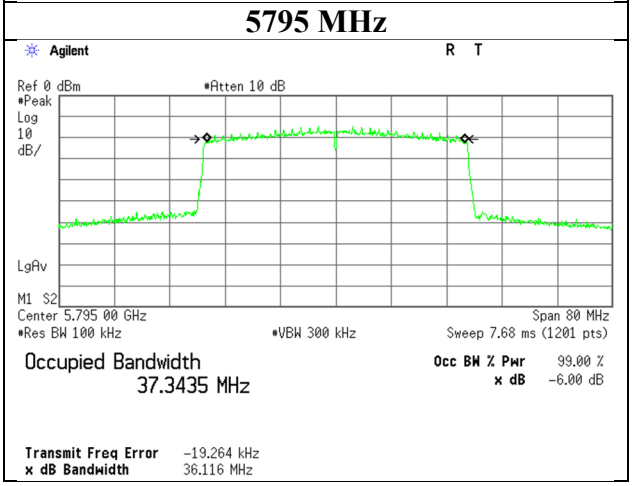
6 dB Bandwidth

11ax-40 (OFDMA)
484-tone RU

5755 MHz

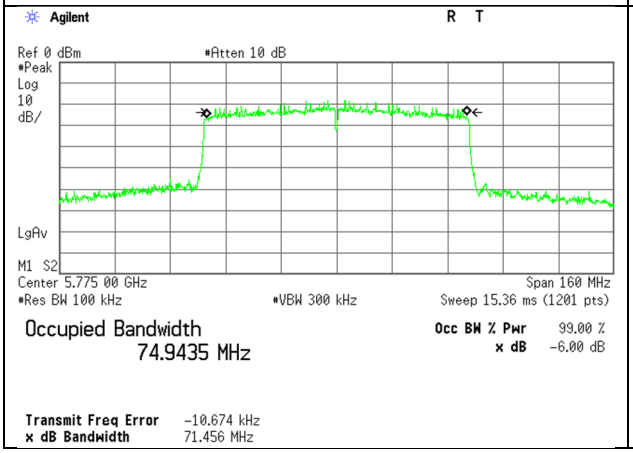


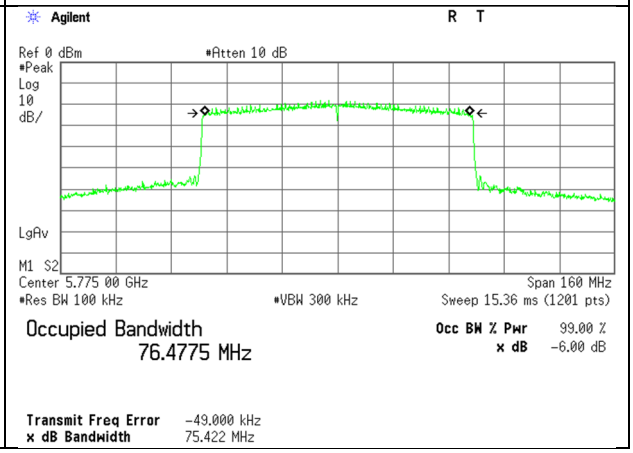
5795 MHz



6 dB Bandwidth

11ac-80	11ax-80 (OFDM)
5775 MHz	5775 MHz



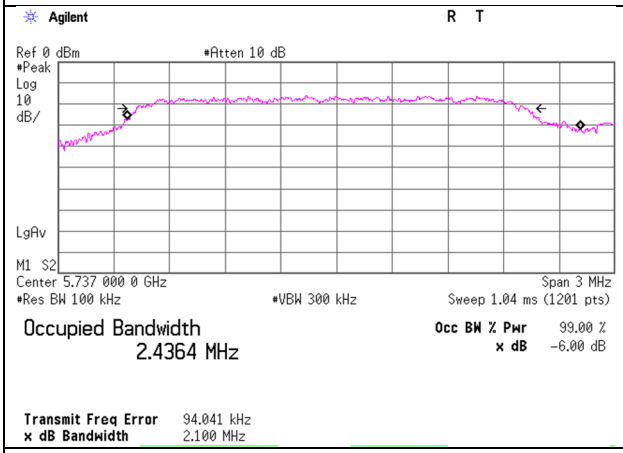


6 dB Bandwidth

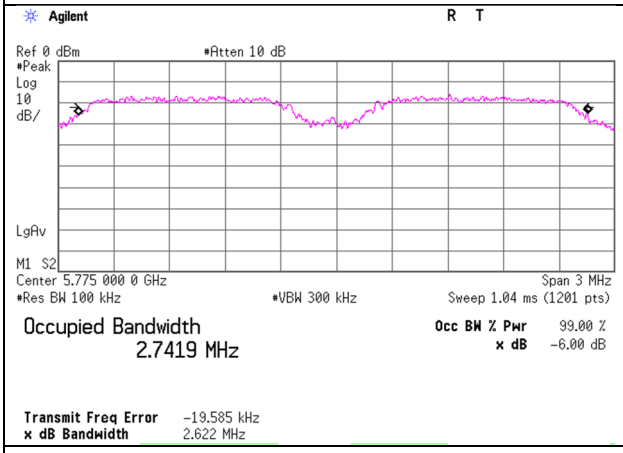
11ax-80 (OFDMA)

26-tone RU 5775 MHz

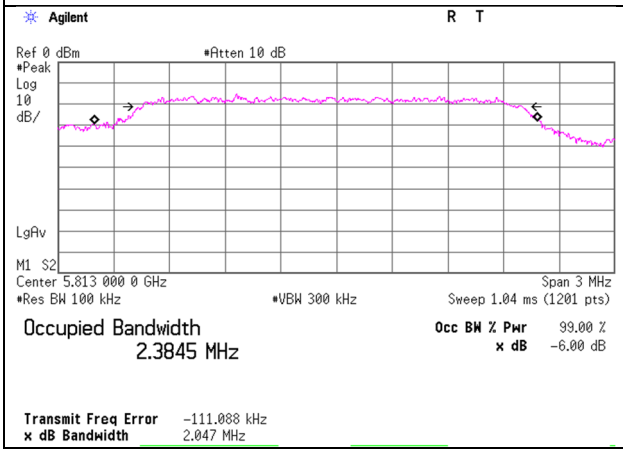
RU Index 0



RU Index 18

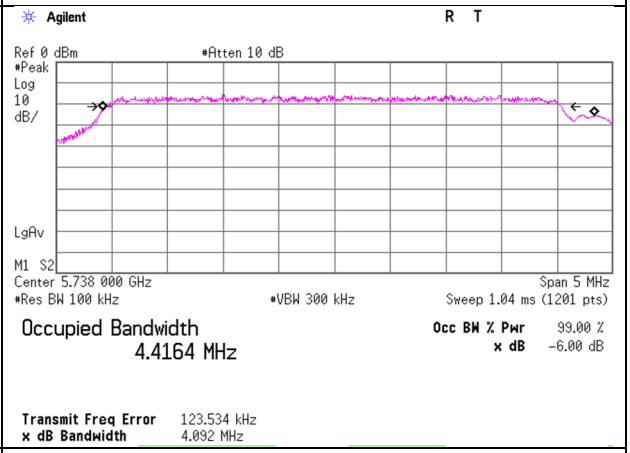


RU Index 36

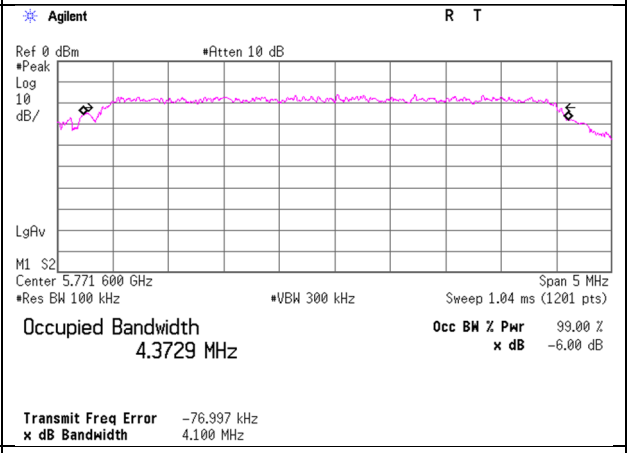


52-tone RU 5775 MHz

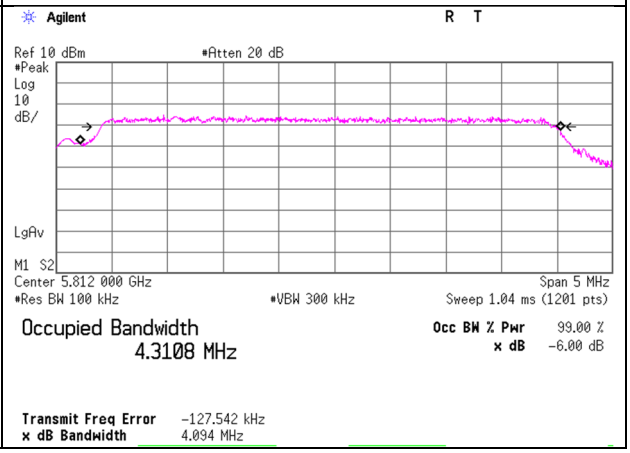
RU Index 37



RU Index 44



RU Index 52

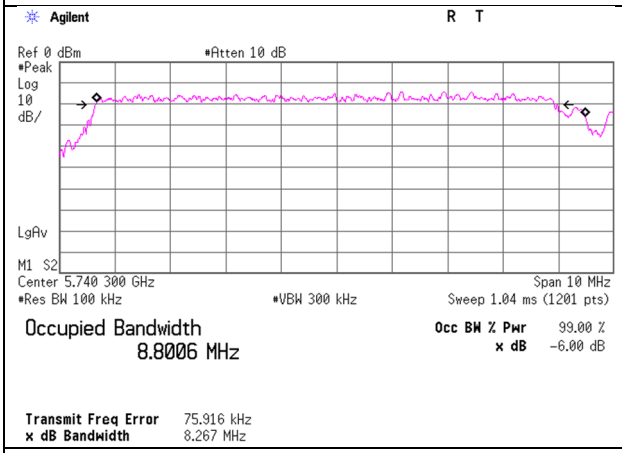


6 dB Bandwidth

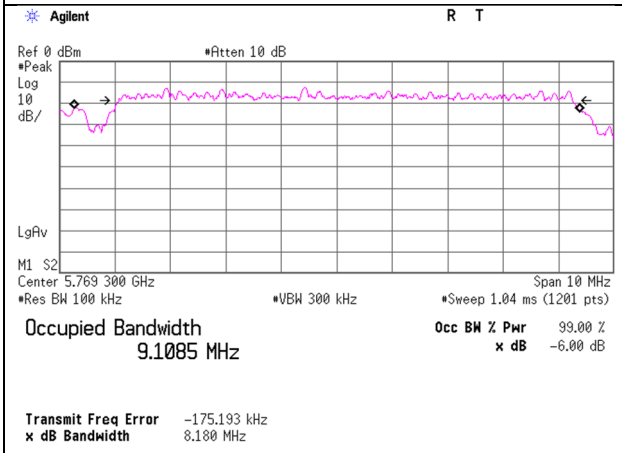
11ax-80 (OFDMA)

106-tone RU 5775 MHz

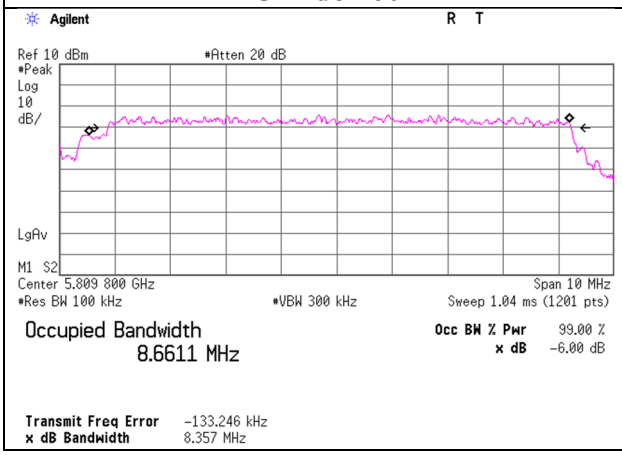
RU Index 53



RU Index 56

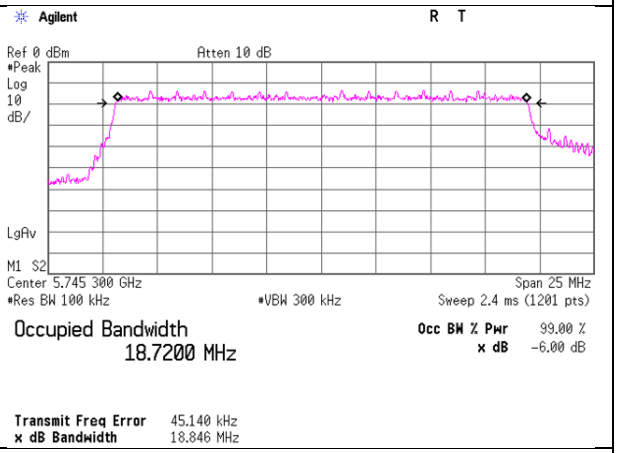


RU Index 60

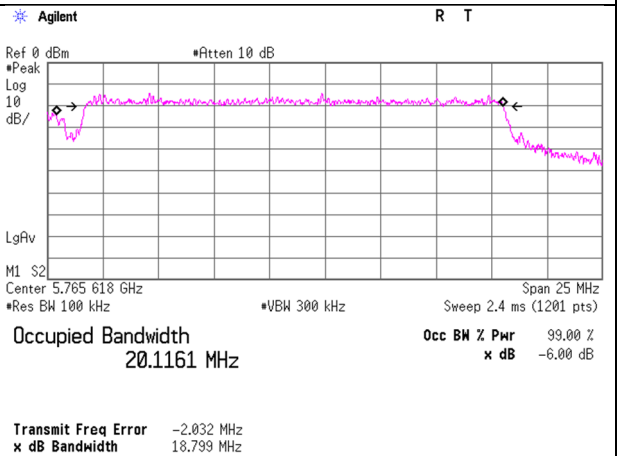


242-tone RU 5775 MHz

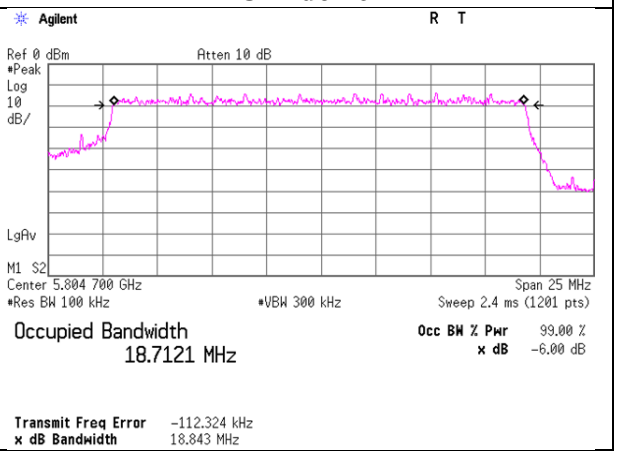
RU Index 61



RU Index 62



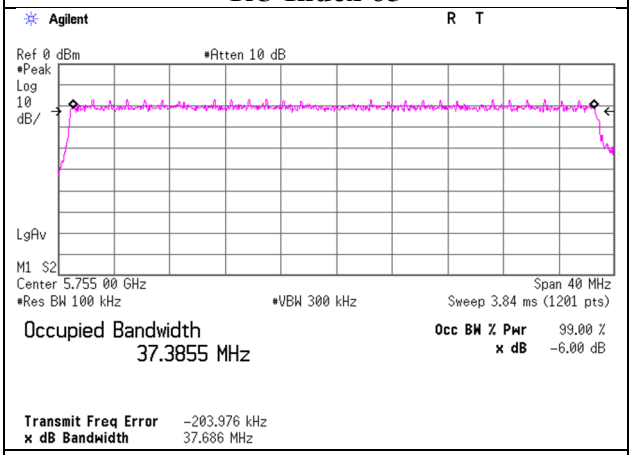
RU Index 64



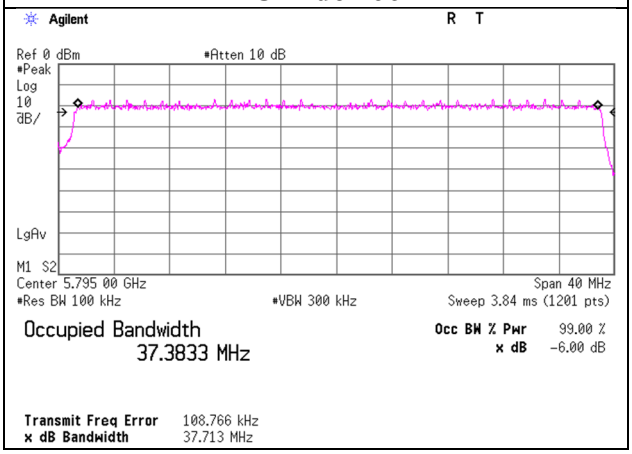
6 dB Bandwidth

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

RU Index 65



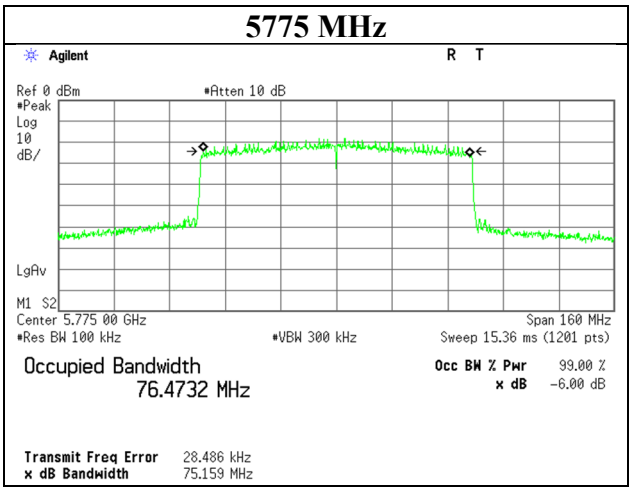
RU Index 66



6 dB Bandwidth

11ax-80 (OFDMA)
996-tone RU

5775 MHz



Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11a

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	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]
5180	-	17.278	5.04	5.75	10.79	10.33	21.23	10.90	37.67	43.05	80.72	19.07	29.97	10.90
5220	-	17.301	5.05	5.83	10.88	10.37	21.23	10.86	37.76	43.65	81.41	19.11	29.97	10.86
5240	-	16.573	5.01	5.85	10.86	10.36	21.23	10.87	37.50	43.75	81.25	19.10	29.97	10.87
5260	23.710	17.287	6.41	8.69	15.10	11.79	21.23	9.44	47.97	65.01	112.99	20.53	29.97	9.44
5300	23.794	17.375	7.40	8.07	15.47	11.89	21.23	9.34	55.34	60.39	115.73	20.63	29.97	9.34
5320	25.772	17.417	7.50	7.80	15.30	11.85	21.23	9.38	56.10	58.34	114.45	20.59	29.97	9.38
5500	24.547	17.373	8.93	6.61	15.54	11.91	21.23	9.32	66.83	49.43	116.27	20.65	29.97	9.32
5580	23.337	17.270	8.83	6.07	14.90	11.73	21.23	9.50	66.07	45.39	111.46	20.47	29.97	9.50
5700	24.129	17.385	7.33	7.62	14.95	11.75	21.23	9.48	54.83	57.02	111.84	20.49	29.97	9.48
5720	23.040	17.308	7.40	7.50	14.89	11.73	21.23	9.50	55.34	56.10	111.44	20.47	29.97	9.50
5745	-	17.298	7.40	7.40	14.79	11.70	27.26	15.56	55.34	55.34	110.67	20.44	36.00	15.56
5785	-	17.305	7.38	7.36	14.74	11.69	27.26	15.57	55.21	55.08	110.29	20.43	36.00	15.57
5825	-	17.301	7.53	7.29	14.83	11.71	27.26	15.55	56.36	54.58	110.94	20.45	36.00	15.55

	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	-3.95	0.90	10.07	8.74	7.02	15.76	-3.47	1.00	10.07	8.74	7.60	16.34
5220	0.00	-3.94	0.90	10.07	8.74	7.03	15.77	-3.41	1.00	10.07	8.74	7.66	16.40
5240	0.00	-3.97	0.90	10.07	8.74	7.00	15.74	-3.40	1.00	10.07	8.74	7.67	16.41
5260	0.00	-2.90	0.90	10.07	8.74	8.07	16.81	-1.68	1.00	10.07	8.74	9.39	18.13
5300	0.00	-2.28	0.90	10.07	8.74	8.69	17.43	-2.00	1.00	10.07	8.74	9.07	17.81
5320	0.00	-2.22	0.90	10.07	8.74	8.75	17.49	-2.15	1.00	10.07	8.74	8.92	17.66
5500	0.00	-1.56	1.00	10.07	8.74	9.51	18.25	-2.97	1.10	10.07	8.74	8.20	16.94
5580	0.00	-1.61	1.00	10.07	8.74	9.46	18.20	-3.34	1.10	10.07	8.74	7.83	16.57
5700	0.00	-2.43	1.00	10.08	8.74	8.65	17.39	-2.36	1.10	10.08	8.74	8.82	17.56
5720	0.00	-2.39	1.00	10.08	8.74	8.69	17.43	-2.43	1.10	10.08	8.74	8.75	17.49
5745	0.00	-2.39	1.00	10.08	8.74	8.69	17.43	-2.49	1.10	10.08	8.74	8.69	17.43
5785	0.00	-2.40	1.00	10.08	8.74	8.68	17.42	-2.51	1.10	10.08	8.74	8.67	17.41
5825	0.00	-2.31	1.00	10.08	8.74	8.77	17.51	-2.55	1.10	10.08	8.74	8.63	17.37

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 test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11n-20

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

Tested	26 dB	99%	Conducted power						e.i.r.p.					
Frequency	EBW	OBW	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	(B for FCC)	(B for IC)	1	3	Sum				1	3	Sum			
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	17.978	4.94	6.27	11.21	10.50	21.23	10.73	36.98	46.88	83.86	19.24	29.97	10.73
5220	-	18.042	4.98	6.11	11.09	10.45	21.23	10.78	37.24	45.71	82.95	19.19	29.97	10.78
5240	-	17.547	4.82	6.00	10.82	10.34	21.23	10.89	36.06	44.87	80.93	19.08	29.97	10.89
5260	23.018	18.023	6.24	8.93	15.17	11.81	21.23	9.42	46.67	66.83	113.50	20.55	29.97	9.42
5300	23.244	18.032	7.29	8.28	15.57	11.92	21.23	9.31	54.58	61.94	116.52	20.66	29.97	9.31
5320	23.953	18.041	7.33	8.05	15.38	11.87	21.23	9.36	54.83	60.26	115.08	20.61	29.97	9.36
5500	23.635	18.041	8.97	6.62	15.60	11.93	21.23	9.30	67.14	49.55	116.69	20.67	29.97	9.30
5580	23.609	17.966	8.77	6.67	15.44	11.89	21.23	9.34	65.61	49.89	115.50	20.63	29.97	9.34
5700	23.210	18.064	7.19	7.91	15.10	11.79	21.23	9.44	53.83	59.16	112.98	20.53	29.97	9.44
5720	23.660	17.958	7.41	7.78	15.19	11.82	21.23	9.41	55.46	58.21	113.67	20.56	29.97	9.41
5745	-	17.951	7.26	7.73	14.99	11.76	27.26	15.50	54.33	57.81	112.13	20.50	36.00	15.50
5785	-	17.993	7.31	7.50	14.81	11.71	27.26	15.55	54.70	56.10	110.81	20.45	36.00	15.55
5825	-	18.000	7.16	7.33	14.49	11.61	27.26	15.65	53.58	54.83	108.41	20.35	36.00	15.65

		Antenna 1						**Antenna 3**					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
		Reading				Power		Reading				Power	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-4.03	0.90	10.07	8.74	6.94	15.68	-3.10	1.00	10.07	8.74	7.97	16.71
5220	0.00	-4.00	0.90	10.07	8.74	6.97	15.71	-3.21	1.00	10.07	8.74	7.86	16.60
5240	0.00	-4.14	0.90	10.07	8.74	6.83	15.57	-3.29	1.00	10.07	8.74	7.78	16.52
5260	0.00	-3.02	0.90	10.07	8.74	7.95	16.69	-1.56	1.00	10.07	8.74	9.51	18.25
5300	0.00	-2.34	0.90	10.07	8.74	8.63	17.37	-1.89	1.00	10.07	8.74	9.18	17.92
5320	0.00	-2.32	0.90	10.07	8.74	8.65	17.39	-2.01	1.00	10.07	8.74	9.06	17.80
5500	0.00	-1.54	1.00	10.07	8.74	9.53	18.27	-2.96	1.10	10.07	8.74	8.21	16.95
5580	0.00	-1.64	1.00	10.07	8.74	9.43	18.17	-2.93	1.10	10.07	8.74	8.24	16.98
5700	0.00	-2.51	1.00	10.08	8.74	8.57	17.31	-2.20	1.10	10.08	8.74	8.98	17.72
5720	0.00	-2.38	1.00	10.08	8.74	8.70	17.44	-2.27	1.10	10.08	8.74	8.91	17.65
5745	0.00	-2.47	1.00	10.08	8.74	8.61	17.35	-2.30	1.10	10.08	8.74	8.88	17.62
5785	0.00	-2.44	1.00	10.08	8.74	8.64	17.38	-2.43	1.10	10.08	8.74	8.75	17.49
5825	0.00	-2.53	1.00	10.08	8.74	8.55	17.29	-2.53	1.10	10.08	8.74	8.65	17.39

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11ac-20

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

Tested	26 dB	99%	Conducted power						e.i.r.p.					
Frequency	EBW	OBW	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	(B for FCC)	(B for IC)	1	3	Sum				1	3	Sum			
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	17.994	5.11	6.25	11.36	10.55	21.23	10.68	38.19	46.77	84.97	19.29	29.97	10.68
5220	-	18.000	5.00	6.14	11.14	10.47	21.23	10.76	37.41	45.92	83.33	19.21	29.97	10.76
5240	-	17.610	5.04	5.89	10.92	10.38	21.23	10.85	37.67	44.06	81.73	19.12	29.97	10.85
5260	23.603	18.045	6.32	8.91	15.24	11.83	21.23	9.40	47.32	66.68	114.00	20.57	29.97	9.40
5300	23.321	18.019	7.13	8.26	15.39	11.87	21.23	9.36	53.33	61.80	115.14	20.61	29.97	9.36
5320	23.668	17.999	7.24	8.13	15.37	11.87	21.23	9.36	54.20	60.81	115.01	20.61	29.97	9.36
5500	23.392	18.015	9.04	6.67	15.70	11.96	21.23	9.27	67.61	49.89	117.50	20.70	29.97	9.27
5580	23.750	17.987	8.49	7.93	16.42	12.15	21.23	9.08	63.53	59.29	122.83	20.89	29.97	9.08
5700	23.698	18.047	7.03	7.91	14.94	11.74	21.23	9.49	52.60	59.16	111.76	20.48	29.97	9.49
5720	23.171	17.921	7.31	7.87	15.18	11.81	21.23	9.42	54.70	58.88	113.59	20.55	29.97	9.42
5745	-	17.990	7.31	7.78	15.09	11.79	27.26	15.47	54.70	58.21	112.91	20.53	36.00	15.47
5785	-	17.962	7.33	7.53	14.86	11.72	27.26	15.54	54.83	56.36	111.19	20.46	36.00	15.54
5825	-	17.973	7.48	7.50	14.98	11.76	27.26	15.50	55.98	56.10	112.08	20.50	36.00	15.50

		Antenna 1						**Antenna 3**					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
		Reading				Power		Reading				Power	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-3.89	0.90	10.07	8.74	7.08	15.82	-3.11	1.00	10.07	8.74	7.96	16.70
5220	0.00	-3.98	0.90	10.07	8.74	6.99	15.73	-3.19	1.00	10.07	8.74	7.88	16.62
5240	0.00	-3.95	0.90	10.07	8.74	7.02	15.76	-3.37	1.00	10.07	8.74	7.70	16.44
5260	0.00	-2.96	0.90	10.07	8.74	8.01	16.75	-1.57	1.00	10.07	8.74	9.50	18.24
5300	0.00	-2.44	0.90	10.07	8.74	8.53	17.27	-1.90	1.00	10.07	8.74	9.17	17.91
5320	0.00	-2.37	0.90	10.07	8.74	8.60	17.34	-1.97	1.00	10.07	8.74	9.10	17.84
5500	0.00	-1.51	1.00	10.07	8.74	9.56	18.30	-2.93	1.10	10.07	8.74	8.24	16.98
5580	0.00	-1.78	1.00	10.07	8.74	9.29	18.03	-2.18	1.10	10.07	8.74	8.99	17.73
5700	0.00	-2.61	1.00	10.08	8.74	8.47	17.21	-2.20	1.10	10.08	8.74	8.98	17.72
5720	0.00	-2.44	1.00	10.08	8.74	8.64	17.38	-2.22	1.10	10.08	8.74	8.96	17.70
5745	0.00	-2.44	1.00	10.08	8.74	8.64	17.38	-2.27	1.10	10.08	8.74	8.91	17.65
5785	0.00	-2.43	1.00	10.08	8.74	8.65	17.39	-2.41	1.10	10.08	8.74	8.77	17.51
5825	0.00	-2.34	1.00	10.08	8.74	8.74	17.48	-2.43	1.10	10.08	8.74	8.75	17.49

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-20 (OFDM)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	19.204	4.65	5.69	10.33	10.14	21.23	11.09	34.75	42.56	77.31	18.88	29.97	11.09
5220	-	19.181	4.78	5.98	10.76	10.32	21.23	10.91	35.73	44.77	80.50	19.06	29.97	10.91
5240	-	18.826	4.84	5.71	10.56	10.24	21.23	10.99	36.22	42.76	78.98	18.98	29.97	10.99
5260	23.794	19.174	6.10	8.28	14.37	11.58	21.23	9.65	45.60	61.94	107.55	20.32	29.97	9.65
5300	23.888	19.219	6.81	7.73	14.53	11.62	21.23	9.61	50.93	57.81	108.74	20.36	29.97	9.61
5320	24.850	19.266	6.90	7.89	14.79	11.70	21.23	9.53	51.64	59.02	110.66	20.44	29.97	9.53
5500	23.187	19.227	9.27	7.16	16.43	12.16	21.23	9.07	69.34	53.58	122.92	20.90	29.97	9.07
5580	24.341	19.207	8.69	6.53	15.22	11.82	21.23	9.41	65.01	48.87	113.88	20.56	29.97	9.41
5700	23.795	19.248	7.53	7.38	14.91	11.74	21.23	9.49	56.36	55.21	111.57	20.48	29.97	9.49
5720	22.513	19.198	7.53	7.94	15.48	11.90	21.23	9.33	56.36	59.43	115.79	20.64	29.97	9.33
5745	-	19.189	7.73	7.29	15.02	11.77	27.26	15.49	57.81	54.58	112.39	20.51	36.00	15.49
5785	-	19.215	7.89	7.69	15.58	11.93	27.26	15.33	59.02	57.54	116.56	20.67	36.00	15.33
5825	-	19.201	7.64	7.41	15.05	11.78	27.26	15.48	57.15	55.46	112.61	20.52	36.00	15.48

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-4.30	0.90	10.07	8.74	6.67	15.41	-3.52	1.00	10.07	8.74	7.55	16.29
5220	0.00	-4.18	0.90	10.07	8.74	6.79	15.53	-3.30	1.00	10.07	8.74	7.77	16.51
5240	0.00	-4.12	0.90	10.07	8.74	6.85	15.59	-3.50	1.00	10.07	8.74	7.57	16.31
5260	0.00	-3.12	0.90	10.07	8.74	7.85	16.59	-1.89	1.00	10.07	8.74	9.18	17.92
5300	0.00	-2.64	0.90	10.07	8.74	8.33	17.07	-2.19	1.00	10.07	8.74	8.88	17.62
5320	0.00	-2.58	0.90	10.07	8.74	8.39	17.13	-2.10	1.00	10.07	8.74	8.97	17.71
5500	0.00	-1.40	1.00	10.07	8.74	9.67	18.41	-2.62	1.10	10.07	8.74	8.55	17.29
5580	0.00	-1.68	1.00	10.07	8.74	9.39	18.13	-3.02	1.10	10.07	8.74	8.15	16.89
5700	0.00	-2.31	1.00	10.08	8.74	8.77	17.51	-2.50	1.10	10.08	8.74	8.68	17.42
5720	0.00	-2.31	1.00	10.08	8.74	8.77	17.51	-2.18	1.10	10.08	8.74	9.00	17.74
5745	0.00	-2.20	1.00	10.08	8.74	8.88	17.62	-2.55	1.10	10.08	8.74	8.63	17.37
5785	0.00	-2.11	1.00	10.08	8.74	8.97	17.71	-2.32	1.10	10.08	8.74	8.86	17.60
5825	0.00	-2.25	1.00	10.08	8.74	8.83	17.57	-2.48	1.10	10.08	8.74	8.70	17.44

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 test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-20 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	0	-	19.111	0.74	0.78	1.52	1.82	21.23	19.41	5.52	5.85	11.37	10.56	29.97	19.41
	4	-	16.996	0.77	0.80	1.57	1.97	21.23	19.26	5.75	6.01	11.77	10.71	29.97	19.26
	8	-	19.231	0.77	0.82	1.59	2.01	21.23	19.22	5.73	6.17	11.89	10.75	29.97	19.22
5220	0	-	19.044	0.63	0.78	1.41	1.48	21.23	19.75	4.69	5.83	10.52	10.22	29.97	19.75
	4	-	17.060	0.66	0.79	1.46	1.63	21.23	19.60	4.95	5.94	10.90	10.37	29.97	19.60
	8	-	19.141	0.65	0.81	1.45	1.62	21.23	19.61	4.83	6.03	10.86	10.36	29.97	19.61
5240	0	-	18.169	0.72	0.79	1.51	1.80	21.23	19.43	5.38	5.94	11.33	10.54	29.97	19.43
	4	-	16.854	0.78	0.84	1.61	2.08	21.23	19.15	5.82	6.25	12.07	10.82	29.97	19.15
	8	-	18.154	0.77	0.82	1.60	2.03	21.23	19.20	5.79	6.15	11.95	10.77	29.97	19.20
5260	0	20.415	19.168	0.82	1.12	1.94	2.88	21.23	18.35	6.15	8.36	14.51	11.62	29.97	18.35
	4	18.038	17.026	0.83	1.14	1.96	2.93	20.82	17.89	6.19	8.49	14.69	11.67	29.97	18.30
	8	20.595	19.122	0.81	1.11	1.92	2.84	21.23	18.39	6.10	8.30	14.39	11.58	29.97	18.39
5300	0	20.634	19.182	0.94	0.97	1.91	2.82	21.23	18.41	7.01	7.29	14.31	11.56	29.97	18.41
	4	18.017	17.033	0.97	1.00	1.97	2.94	20.81	17.87	7.23	7.50	14.73	11.68	29.97	18.29
	8	20.284	19.159	0.95	0.99	1.95	2.89	21.23	18.34	7.13	7.43	14.56	11.63	29.97	18.34
5320	0	20.427	19.078	0.90	0.97	1.87	2.71	21.23	18.52	6.73	7.23	13.96	11.45	29.97	18.52
	4	18.046	17.040	0.95	0.97	1.92	2.83	20.82	17.99	7.11	7.24	14.36	11.57	29.97	18.40
	8	20.467	19.146	0.95	0.95	1.90	2.80	21.23	18.43	7.10	7.14	14.24	11.54	29.97	18.43

			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	
							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	0.00	-12.29	0.90	10.07	8.74	-1.32	7.42	-12.14	1.00	10.07	8.74	-1.07	7.67
	4	0.00	-12.11	0.90	10.07	8.74	-1.14	7.60	-12.02	1.00	10.07	8.74	-0.95	7.79
	8	0.00	-12.13	0.90	10.07	8.74	-1.16	7.58	-11.91	1.00	10.07	8.74	-0.84	7.90
5220	0	0.00	-13.00	0.90	10.07	8.74	-2.03	6.71	-12.15	1.00	10.07	8.74	-1.08	7.66
	4	0.00	-12.76	0.90	10.07	8.74	-1.79	6.95	-12.07	1.00	10.07	8.74	-1.00	7.74
	8	0.00	-12.87	0.90	10.07	8.74	-1.90	6.84	-12.01	1.00	10.07	8.74	-0.94	7.80
5240	0	0.00	-12.40	0.90	10.07	8.74	-1.43	7.31	-12.07	1.00	10.07	8.74	-1.00	7.74
	4	0.00	-12.06	0.90	10.07	8.74	-1.09	7.65	-11.85	1.00	10.07	8.74	-0.78	7.96
	8	0.00	-12.08	0.90	10.07	8.74	-1.11	7.63	-11.92	1.00	10.07	8.74	-0.85	7.89
5260	0	0.00	-11.82	0.90	10.07	8.74	-0.85	7.89	-10.59	1.00	10.07	8.74	0.48	9.22
	4	0.00	-11.79	0.90	10.07	8.74	-0.82	7.92	-10.52	1.00	10.07	8.74	0.55	9.29
	8	0.00	-11.86	0.90	10.07	8.74	-0.89	7.85	-10.62	1.00	10.07	8.74	0.45	9.19
5300	0	0.00	-11.25	0.90	10.07	8.74	-0.28	8.46	-11.18	1.00	10.07	8.74	-0.11	8.63
	4	0.00	-11.12	0.90	10.07	8.74	-0.15	8.59	-11.06	1.00	10.07	8.74	0.01	8.75
	8	0.00	-11.18	0.90	10.07	8.74	-0.21	8.53	-11.10	1.00	10.07	8.74	-0.03	8.71
5320	0	0.00	-11.43	0.90	10.07	8.74	-0.46	8.28	-11.22	1.00	10.07	8.74	-0.15	8.59
	4	0.00	-11.19	0.90	10.07	8.74	-0.22	8.52	-11.21	1.00	10.07	8.74	-0.14	8.60
	8	0.00	-11.20	0.90	10.07	8.74	-0.23	8.51	-11.27	1.00	10.07	8.74	-0.20	8.54

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 test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-20 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5500	0	20.888	19.131	1.13	0.83	1.96	2.93	21.23	18.30	8.45	6.24	14.69	11.67	29.97	18.30
	4	18.015	17.048	1.18	0.84	2.02	3.05	20.81	17.76	8.85	6.27	15.12	11.79	29.97	18.18
	8	20.634	19.098	1.17	0.83	2.00	3.01	21.23	18.22	8.77	6.19	14.96	11.75	29.97	18.22
5580	0	20.995	19.224	1.09	0.72	1.81	2.57	21.23	18.66	8.13	5.40	13.52	11.31	29.97	18.66
	4	18.079	17.018	1.12	0.74	1.86	2.70	20.83	18.13	8.36	5.57	13.93	11.44	29.97	18.53
	8	20.818	19.118	1.11	0.73	1.84	2.66	21.23	18.57	8.34	5.46	13.79	11.40	29.97	18.57
5700	0	20.208	19.153	0.96	0.99	1.95	2.90	21.23	18.33	7.21	7.38	14.59	11.64	29.97	18.33
	4	18.037	17.058	0.98	0.99	1.97	2.96	20.82	17.86	7.36	7.41	14.78	11.70	29.97	18.27
	8	20.938	19.097	0.95	0.95	1.90	2.79	21.23	18.44	7.10	7.13	14.22	11.53	29.97	18.44
5720	0	20.492	19.140	0.90	0.99	1.89	2.78	21.23	18.45	6.75	7.43	14.18	11.52	29.97	18.45
	4	18.068	17.061	0.94	1.01	1.94	2.89	20.82	17.93	7.01	7.53	14.55	11.63	29.97	18.34
	8	21.415	19.178	0.93	0.98	1.91	2.80	21.23	18.43	6.93	7.33	14.26	11.54	29.97	18.43
5745	0	-	19.079	0.92	0.90	1.82	2.60	27.26	24.66	6.92	6.70	13.62	11.34	36.00	24.66
	4	-	17.037	0.97	0.91	1.88	2.74	27.26	24.52	7.24	6.81	14.05	11.48	36.00	24.52
	8	-	19.111	0.94	0.90	1.84	2.65	27.26	24.61	7.01	6.75	13.76	11.39	36.00	24.61
5785	0	-	19.006	0.89	0.93	1.81	2.59	27.26	24.67	6.64	6.93	13.57	11.33	36.00	24.67
	4	-	17.034	0.95	0.95	1.90	2.79	27.26	24.47	7.08	7.14	14.22	11.53	36.00	24.47
	8	-	19.179	0.94	0.95	1.88	2.75	27.26	24.51	7.00	7.10	14.09	11.49	36.00	24.51
5825	0	-	19.040	0.91	0.89	1.80	2.56	27.26	24.70	6.81	6.67	13.48	11.30	36.00	24.70
	4	-	17.048	0.93	0.90	1.83	2.63	27.26	24.63	6.97	6.75	13.71	11.37	36.00	24.63
	8	-	19.097	0.93	0.88	1.81	2.57	27.26	24.69	6.93	6.58	13.51	11.31	36.00	24.69

			Antenna 1						**Antenna 3**					
Tested Frequency	RU Index	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5500	0	0.00	-10.54	1.00	10.07	8.74	0.53	9.27	-11.96	1.10	10.07	8.74	-0.79	7.95
	4	0.00	-10.34	1.00	10.07	8.74	0.73	9.47	-11.94	1.10	10.07	8.74	-0.77	7.97
	8	0.00	-10.38	1.00	10.07	8.74	0.69	9.43	-11.99	1.10	10.07	8.74	-0.82	7.92
5580	0	0.00	-10.71	1.00	10.07	8.74	0.36	9.10	-12.59	1.10	10.07	8.74	-1.42	7.32
	4	0.00	-10.59	1.00	10.07	8.74	0.48	9.22	-12.45	1.10	10.07	8.74	-1.28	7.46
	8	0.00	-10.60	1.00	10.07	8.74	0.47	9.21	-12.54	1.10	10.07	8.74	-1.37	7.37
5700	0	0.00	-11.24	1.00	10.08	8.74	-0.16	8.58	-11.24	1.10	10.08	8.74	-0.06	8.68
	4	0.00	-11.15	1.00	10.08	8.74	-0.07	8.67	-11.22	1.10	10.08	8.74	-0.04	8.70
	8	0.00	-11.31	1.00	10.08	8.74	-0.23	8.51	-11.39	1.10	10.08	8.74	-0.21	8.53
5720	0	0.00	-11.53	1.00	10.08	8.74	-0.45	8.29	-11.21	1.10	10.08	8.74	-0.03	8.71
	4	0.00	-11.36	1.00	10.08	8.74	-0.28	8.46	-11.15	1.10	10.08	8.74	0.03	8.77
	8	0.00	-11.41	1.00	10.08	8.74	-0.33	8.41	-11.27	1.10	10.08	8.74	-0.09	8.65
5745	0	0.00	-11.42	1.00	10.08	8.74	-0.34	8.40	-11.66	1.10	10.08	8.74	-0.48	8.26
	4	0.00	-11.22	1.00	10.08	8.74	-0.14	8.60	-11.59	1.10	10.08	8.74	-0.41	8.33
	8	0.00	-11.36	1.00	10.08	8.74	-0.28	8.46	-11.63	1.10	10.08	8.74	-0.45	8.29
5785	0	0.00	-11.60	1.00	10.08	8.74	-0.52	8.22	-11.51	1.10	10.08	8.74	-0.33	8.41
	4	0.00	-11.32	1.00	10.08	8.74	-0.24	8.50	-11.38	1.10	10.08	8.74	-0.20	8.54
	8	0.00	-11.37	1.00	10.08	8.74	-0.29	8.45	-11.41	1.10	10.08	8.74	-0.23	8.51
5825	0	0.00	-11.49	1.00	10.08	8.74	-0.41	8.33	-11.68	1.10	10.08	8.74	-0.50	8.24
	4	0.00	-11.39	1.00	10.08	8.74	-0.31	8.43	-11.63	1.10	10.08	8.74	-0.45	8.29
	8	0.00	-11.41	1.00	10.08	8.74	-0.33	8.41	-11.74	1.10	10.08	8.74	-0.56	8.18

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-20 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	37	-	18.635	1.35	1.41	2.76	4.42	21.23	16.81	10.12	10.57	20.68	13.16	29.97	16.81
	38	-	17.088	1.64	1.48	3.12	4.94	21.23	16.29	12.25	11.09	23.34	13.68	29.97	16.29
	40	-	18.655	1.40	1.47	2.87	4.57	21.23	16.66	10.45	10.99	21.44	13.31	29.97	16.66
5220	37	-	18.717	1.32	1.50	2.81	4.49	21.23	16.74	9.86	11.19	21.06	13.23	29.97	16.74
	38	-	17.093	1.34	1.55	2.89	4.61	21.23	16.62	10.05	11.56	21.61	13.35	29.97	16.62
	40	-	18.669	1.33	1.54	2.87	4.58	21.23	16.65	9.93	11.53	21.47	13.32	29.97	16.65
5240	37	-	18.067	1.34	1.58	2.92	4.65	21.23	16.58	10.05	11.80	21.85	13.39	29.97	16.58
	38	-	16.873	1.38	1.66	3.05	4.84	21.23	16.39	10.35	12.45	22.80	13.58	29.97	16.39
	40	-	18.057	1.38	1.66	3.03	4.82	21.23	16.41	10.30	12.39	22.69	13.56	29.97	16.41
5260	37	20.759	18.732	1.58	2.19	3.77	5.77	21.23	15.46	11.83	16.41	28.24	14.51	29.97	15.46
	38	18.208	17.091	1.65	2.20	3.85	5.86	20.86	15.00	12.36	16.48	28.84	14.60	29.97	15.37
	40	20.464	18.651	1.61	2.16	3.78	5.77	21.23	15.46	12.08	16.18	28.26	14.51	29.97	15.46
5300	37	21.074	18.663	1.79	2.00	3.78	5.78	21.23	15.45	13.37	14.93	28.29	14.52	29.97	15.45
	38	18.189	17.097	1.85	2.06	3.90	5.91	20.85	14.94	13.80	15.38	29.19	14.65	29.97	15.32
	40	20.196	18.726	1.84	2.00	3.84	5.84	21.23	15.39	13.74	15.00	28.74	14.58	29.97	15.39
5320	37	20.773	18.731	1.84	1.95	3.79	5.78	21.23	15.45	13.77	14.55	28.33	14.52	29.97	15.45
	38	18.188	17.085	1.91	1.98	3.90	5.91	20.85	14.94	14.32	14.83	29.15	14.65	29.97	15.32
	40	21.215	18.667	1.91	1.97	3.87	5.88	21.23	15.35	14.26	14.72	28.98	14.62	29.97	15.35

			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]
5180	37	0.00	-9.66	0.90	10.07	8.74	1.31	10.05	-9.57	1.00	10.07	8.74	1.50	10.24
	38	0.00	-8.83	0.90	10.07	8.74	2.14	10.88	-9.36	1.00	10.07	8.74	1.71	10.45
	40	0.00	-9.52	0.90	10.07	8.74	1.45	10.19	-9.40	1.00	10.07	8.74	1.67	10.41
5220	37	0.00	-9.77	0.90	10.07	8.74	1.20	9.94	-9.32	1.00	10.07	8.74	1.75	10.49
	38	0.00	-9.69	0.90	10.07	8.74	1.28	10.02	-9.18	1.00	10.07	8.74	1.89	10.63
	40	0.00	-9.74	0.90	10.07	8.74	1.23	9.97	-9.19	1.00	10.07	8.74	1.88	10.62
5240	37	0.00	-9.69	0.90	10.07	8.74	1.28	10.02	-9.09	1.00	10.07	8.74	1.98	10.72
	38	0.00	-9.56	0.90	10.07	8.74	1.41	10.15	-8.86	1.00	10.07	8.74	2.21	10.95
	40	0.00	-9.58	0.90	10.07	8.74	1.39	10.13	-8.88	1.00	10.07	8.74	2.19	10.93
5260	37	0.00	-8.98	0.90	10.07	8.74	1.99	10.73	-7.66	1.00	10.07	8.74	3.41	12.15
	38	0.00	-8.79	0.90	10.07	8.74	2.18	10.92	-7.64	1.00	10.07	8.74	3.43	12.17
	40	0.00	-8.89	0.90	10.07	8.74	2.08	10.82	-7.72	1.00	10.07	8.74	3.35	12.09
5300	37	0.00	-8.45	0.90	10.07	8.74	2.52	11.26	-8.07	1.00	10.07	8.74	3.00	11.74
	38	0.00	-8.31	0.90	10.07	8.74	2.66	11.40	-7.94	1.00	10.07	8.74	3.13	11.87
	40	0.00	-8.33	0.90	10.07	8.74	2.64	11.38	-8.05	1.00	10.07	8.74	3.02	11.76
5320	37	0.00	-8.32	0.90	10.07	8.74	2.65	11.39	-8.18	1.00	10.07	8.74	2.89	11.63
	38	0.00	-8.15	0.90	10.07	8.74	2.82	11.56	-8.10	1.00	10.07	8.74	2.97	11.71
	40	0.00	-8.17	0.90	10.07	8.74	2.80	11.54	-8.13	1.00	10.07	8.74	2.94	11.68

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-20 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5500	37	20.706	18.716	2.25	1.62	3.87	5.88	21.23	15.35	16.83	12.13	28.96	14.62	29.97	15.35
	38	18.178	17.103	2.29	1.67	3.97	5.98	20.85	14.87	17.14	12.53	29.67	14.72	29.97	15.25
	40	21.115	18.703	2.27	1.66	3.93	5.94	21.23	15.29	16.98	12.39	29.37	14.68	29.97	15.29
5580	37	20.561	18.646	2.15	1.51	3.65	5.63	21.23	15.60	16.07	11.27	27.34	14.37	29.97	15.60
	38	18.215	17.071	2.19	1.52	3.70	5.69	20.86	15.17	16.37	11.35	27.72	14.43	29.97	15.54
	40	20.873	18.681	2.17	1.51	3.68	5.66	21.23	15.57	16.22	11.30	27.52	14.40	29.97	15.57
5700	37	20.716	18.652	1.74	1.86	3.60	5.56	21.23	15.67	13.03	13.90	26.93	14.30	29.97	15.67
	38	18.165	17.063	1.77	1.91	3.68	5.65	20.85	15.20	13.21	14.29	27.50	14.39	29.97	15.58
	40	21.951	18.654	1.76	1.89	3.65	5.63	21.23	15.60	13.18	14.16	27.34	14.37	29.97	15.60
5720	37	20.706	18.715	1.87	1.87	3.74	5.73	21.23	15.50	13.96	14.00	27.96	14.47	29.97	15.50
	38	18.206	17.091	1.98	1.94	3.92	5.93	20.86	14.93	14.79	14.52	29.31	14.67	29.97	15.30
	40	21.116	18.719	1.87	1.92	3.80	5.80	21.23	15.43	14.03	14.39	28.42	14.54	29.97	15.43
5745	37	-	18.667	1.74	1.81	3.55	5.50	27.26	21.76	13.00	13.55	26.55	14.24	36.00	21.76
	38	-	17.072	1.80	1.83	3.63	5.60	27.26	21.66	13.46	13.71	27.17	14.34	36.00	21.66
	40	-	18.740	1.79	1.79	3.59	5.55	27.26	21.71	13.40	13.43	26.82	14.29	36.00	21.71
5785	37	-	18.640	1.88	1.90	3.78	5.77	27.26	21.49	14.06	14.19	28.25	14.51	36.00	21.49
	38	-	17.084	1.96	1.92	3.88	5.89	27.26	21.37	14.66	14.35	29.01	14.63	36.00	21.37
	40	-	18.699	1.89	1.85	3.74	5.73	27.26	21.53	14.13	13.87	27.99	14.47	36.00	21.53
5825	37	-	18.928	1.77	1.85	3.61	5.58	27.26	21.68	13.21	13.80	27.02	14.32	36.00	21.68
	38	-	17.083	1.82	1.92	3.73	5.72	27.26	21.54	13.58	14.35	27.94	14.46	36.00	21.54
	40	-	18.711	1.80	1.91	3.71	5.69	27.26	21.57	13.49	14.26	27.75	14.43	36.00	21.57

			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]
5500	37	0.00	-7.55	1.00	10.07	8.74	3.52	12.26	-9.07	1.10	10.07	8.74	2.10	10.84
	38	0.00	-7.47	1.00	10.07	8.74	3.60	12.34	-8.93	1.10	10.07	8.74	2.24	10.98
	40	0.00	-7.51	1.00	10.07	8.74	3.56	12.30	-8.98	1.10	10.07	8.74	2.19	10.93
5580	37	0.00	-7.75	1.00	10.07	8.74	3.32	12.06	-9.39	1.10	10.07	8.74	1.78	10.52
	38	0.00	-7.67	1.00	10.07	8.74	3.40	12.14	-9.36	1.10	10.07	8.74	1.81	10.55
	40	0.00	-7.71	1.00	10.07	8.74	3.36	12.10	-9.38	1.10	10.07	8.74	1.79	10.53
5700	37	0.00	-8.67	1.00	10.08	8.74	2.41	11.15	-8.49	1.10	10.08	8.74	2.69	11.43
	38	0.00	-8.61	1.00	10.08	8.74	2.47	11.21	-8.37	1.10	10.08	8.74	2.81	11.55
	40	0.00	-8.62	1.00	10.08	8.74	2.46	11.20	-8.41	1.10	10.08	8.74	2.77	11.51
5720	37	0.00	-8.37	1.00	10.08	8.74	2.71	11.45	-8.46	1.10	10.08	8.74	2.72	11.46
	38	0.00	-8.12	1.00	10.08	8.74	2.96	11.70	-8.30	1.10	10.08	8.74	2.88	11.62
	40	0.00	-8.35	1.00	10.08	8.74	2.73	11.47	-8.34	1.10	10.08	8.74	2.84	11.58
5745	37	0.00	-8.68	1.00	10.08	8.74	2.40	11.14	-8.60	1.10	10.08	8.74	2.58	11.32
	38	0.00	-8.53	1.00	10.08	8.74	2.55	11.29	-8.55	1.10	10.08	8.74	2.63	11.37
	40	0.00	-8.55	1.00	10.08	8.74	2.53	11.27	-8.64	1.10	10.08	8.74	2.54	11.28
5785	37	0.00	-8.34	1.00	10.08	8.74	2.74	11.48	-8.40	1.10	10.08	8.74	2.78	11.52
	38	0.00	-8.16	1.00	10.08	8.74	2.92	11.66	-8.35	1.10	10.08	8.74	2.83	11.57
	40	0.00	-8.32	1.00	10.08	8.74	2.76	11.50	-8.50	1.10	10.08	8.74	2.68	11.42
5825	37	0.00	-8.61	1.00	10.08	8.74	2.47	11.21	-8.52	1.10	10.08	8.74	2.66	11.40
	38	0.00	-8.49	1.00	10.08	8.74	2.59	11.33	-8.35	1.10	10.08	8.74	2.83	11.57
	40	0.00	-8.52	1.00	10.08	8.74	2.56	11.30	-8.38	1.10	10.08	8.74	2.80	11.54

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 test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-20 OFDMA (106-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	53	-	18.498	2.68	2.90	5.58	7.47	21.23	13.76	20.04	21.73	41.77	16.21	29.97	13.76
	54	-	18.425	2.74	2.90	5.64	7.51	21.23	13.72	20.51	21.68	42.19	16.25	29.97	13.72
5220	53	-	18.446	2.61	3.04	5.65	7.52	21.23	13.71	19.54	22.75	42.29	16.26	29.97	13.71
	54	-	18.415	2.67	3.10	5.76	7.61	21.23	13.62	19.95	23.17	43.13	16.35	29.97	13.62
5240	53	-	18.088	2.99	3.40	6.39	8.05	21.23	13.18	22.39	25.41	47.80	16.79	29.97	13.18
	54	-	18.039	3.12	3.58	6.70	8.26	21.23	12.97	23.33	26.79	50.13	17.00	29.97	12.97
5260	53	22.294	18.485	3.44	4.82	8.26	9.17	21.23	12.06	25.70	36.06	61.76	17.91	29.97	12.06
	54	21.409	18.470	3.48	4.84	8.33	9.20	21.23	12.03	26.06	36.22	62.29	17.94	29.97	12.03
5300	53	21.948	18.494	3.68	4.12	7.80	8.92	21.23	12.31	27.54	30.83	58.37	17.66	29.97	12.31
	54	21.289	18.462	3.80	4.13	7.93	8.99	21.23	12.24	28.44	30.90	59.35	17.73	29.97	12.24
5320	53	22.185	18.485	3.96	4.44	8.40	9.24	21.23	11.99	29.65	33.19	62.84	17.98	29.97	11.99
	54	21.325	18.450	4.06	4.48	8.53	9.31	21.23	11.92	30.34	33.50	63.84	18.05	29.97	11.92

			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	
							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	53	0.00	-6.69	0.90	10.07	8.74	4.28	13.02	-6.44	1.00	10.07	8.74	4.63	13.37
	54	0.00	-6.59	0.90	10.07	8.74	4.38	13.12	-6.45	1.00	10.07	8.74	4.62	13.36
5220	53	0.00	-6.80	0.90	10.07	8.74	4.17	12.91	-6.24	1.00	10.07	8.74	4.83	13.57
	54	0.00	-6.71	0.90	10.07	8.74	4.26	13.00	-6.16	1.00	10.07	8.74	4.91	13.65
5240	53	0.00	-6.21	0.90	10.07	8.74	4.76	13.50	-5.76	1.00	10.07	8.74	5.31	14.05
	54	0.00	-6.03	0.90	10.07	8.74	4.94	13.68	-5.53	1.00	10.07	8.74	5.54	14.28
5260	53	0.00	-5.61	0.90	10.07	8.74	5.36	14.10	-4.24	1.00	10.07	8.74	6.83	15.57
	54	0.00	-5.55	0.90	10.07	8.74	5.42	14.16	-4.22	1.00	10.07	8.74	6.85	15.59
5300	53	0.00	-5.31	0.90	10.07	8.74	5.66	14.40	-4.92	1.00	10.07	8.74	6.15	14.89
	54	0.00	-5.17	0.90	10.07	8.74	5.80	14.54	-4.91	1.00	10.07	8.74	6.16	14.90
5320	53	0.00	-4.99	0.90	10.07	8.74	5.98	14.72	-4.60	1.00	10.07	8.74	6.47	15.21
	54	0.00	-4.89	0.90	10.07	8.74	6.08	14.82	-4.56	1.00	10.07	8.74	6.51	15.25

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-20 OFDMA (106-tone RU)

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

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5500	53	21.022	18.433	4.58	3.40	7.98	9.02	21.23	12.21	34.28	25.41	59.69	17.76	29.97	12.21
	54	23.131	18.462	4.74	3.46	8.20	9.14	21.23	12.09	35.48	25.88	61.36	17.88	29.97	12.09
5580	53	22.688	18.484	4.15	2.93	7.08	8.50	21.23	12.73	31.05	21.93	52.97	17.24	29.97	12.73
	54	20.906	18.443	4.25	2.91	7.16	8.55	21.23	12.68	31.77	21.78	53.55	17.29	29.97	12.68
5700	53	22.114	18.479	3.59	3.97	7.56	8.79	21.23	12.44	26.85	29.72	56.57	17.53	29.97	12.44
	54	21.414	18.472	3.62	4.09	7.72	8.87	21.23	12.36	27.10	30.62	57.72	17.61	29.97	12.36
5720	53	21.321	18.459	3.79	4.06	7.85	8.95	21.23	12.28	28.38	30.34	58.72	17.69	29.97	12.28
	54	21.377	18.523	3.87	4.07	7.95	9.00	21.23	12.23	28.97	30.48	59.45	17.74	29.97	12.23
5745	53	-	18.456	3.85	3.74	7.59	8.80	27.26	18.46	28.77	27.99	56.76	17.54	36.00	18.46
	54	-	18.481	3.82	3.78	7.60	8.81	27.26	18.45	28.58	28.25	56.82	17.55	36.00	18.45
5785	53	-	18.515	3.63	3.70	7.33	8.65	27.26	18.61	27.16	27.67	54.83	17.39	36.00	18.61
	54	-	18.464	3.67	3.68	7.35	8.67	27.26	18.59	27.48	27.54	55.02	17.41	36.00	18.59
5825	53	-	18.487	3.66	3.61	7.26	8.61	27.26	18.65	27.35	26.98	54.33	17.35	36.00	18.65
	54	-	18.400	3.65	3.57	7.22	8.59	27.26	18.67	27.29	26.73	54.02	17.33	36.00	18.67

			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]
5500	53	0.00	-4.46	1.00	10.07	8.74	6.61	15.35	-5.86	1.10	10.07	8.74	5.31	14.05
	54	0.00	-4.31	1.00	10.07	8.74	6.76	15.50	-5.78	1.10	10.07	8.74	5.39	14.13
5580	53	0.00	-4.89	1.00	10.07	8.74	6.18	14.92	-6.50	1.10	10.07	8.74	4.67	13.41
	54	0.00	-4.79	1.00	10.07	8.74	6.28	15.02	-6.53	1.10	10.07	8.74	4.64	13.38
5700	53	0.00	-5.53	1.00	10.08	8.74	5.55	14.29	-5.19	1.10	10.08	8.74	5.99	14.73
	54	0.00	-5.49	1.00	10.08	8.74	5.59	14.33	-5.06	1.10	10.08	8.74	6.12	14.86
5720	53	0.00	-5.29	1.00	10.08	8.74	5.79	14.53	-5.10	1.10	10.08	8.74	6.08	14.82
	54	0.00	-5.20	1.00	10.08	8.74	5.88	14.62	-5.08	1.10	10.08	8.74	6.10	14.84
5745	53	0.00	-5.23	1.00	10.08	8.74	5.85	14.59	-5.45	1.10	10.08	8.74	5.73	14.47
	54	0.00	-5.26	1.00	10.08	8.74	5.82	14.56	-5.41	1.10	10.08	8.74	5.77	14.51
5785	53	0.00	-5.48	1.00	10.08	8.74	5.60	14.34	-5.50	1.10	10.08	8.74	5.68	14.42
	54	0.00	-5.43	1.00	10.08	8.74	5.65	14.39	-5.52	1.10	10.08	8.74	5.66	14.40
5825	53	0.00	-5.45	1.00	10.08	8.74	5.63	14.37	-5.61	1.10	10.08	8.74	5.57	14.31
	54	0.00	-5.46	1.00	10.08	8.74	5.62	14.36	-5.65	1.10	10.08	8.74	5.53	14.27

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-20 OFDMA (242-tone RU)

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

Tested	26 dB	99%	Conducted power						e.i.r.p.					
Frequency	EBW	OBW	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	(B for FCC)	(B for IC)	1	3	Sum				1	3	Sum			
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	19.189	4.86	5.86	10.73	10.30	21.23	10.93	36.39	43.85	80.24	19.04	29.97	10.93
5220	-	19.265	4.74	5.66	10.40	10.17	21.23	11.06	35.48	42.36	77.85	18.91	29.97	11.06
5240	-	18.842	4.67	5.73	10.39	10.17	21.23	11.06	34.91	42.85	77.77	18.91	29.97	11.06
5260	24.575	19.228	5.74	8.17	13.91	11.43	21.23	9.80	42.95	61.09	104.05	20.17	29.97	9.80
5300	24.053	19.324	7.03	7.71	14.74	11.68	21.23	9.55	52.60	57.68	110.28	20.42	29.97	9.55
5320	23.187	19.207	7.18	7.69	14.87	11.72	21.23	9.51	53.70	57.54	111.25	20.46	29.97	9.51
5500	22.288	19.200	9.14	6.37	15.51	11.91	21.23	9.32	68.39	47.64	116.03	20.65	29.97	9.32
5580	26.339	19.243	8.53	5.73	14.26	11.54	21.23	9.69	63.83	42.85	106.68	20.28	29.97	9.69
5700	22.837	19.210	7.28	7.50	14.78	11.70	21.23	9.53	54.45	56.10	110.56	20.44	29.97	9.53
5720	25.450	19.236	7.19	7.45	14.64	11.66	21.23	9.57	53.83	55.72	109.55	20.40	29.97	9.57
5745	-	19.256	7.14	7.11	14.26	11.54	27.26	15.72	53.46	53.21	106.67	20.28	36.00	15.72
5785	-	19.185	7.38	6.93	14.31	11.56	27.26	15.70	55.21	51.88	107.09	20.30	36.00	15.70
5825	-	19.231	7.33	6.68	14.01	11.46	27.26	15.80	54.83	50.00	104.83	20.20	36.00	15.80

		Antenna 1						**Antenna 3**					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
		Reading				Power		Reading				Power	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5180	0.00	-4.10	0.90	10.07	8.74	6.87	15.61	-3.39	1.00	10.07	8.74	7.68	16.42
5220	0.00	-4.21	0.90	10.07	8.74	6.76	15.50	-3.54	1.00	10.07	8.74	7.53	16.27
5240	0.00	-4.28	0.90	10.07	8.74	6.69	15.43	-3.49	1.00	10.07	8.74	7.58	16.32
5260	0.00	-3.38	0.90	10.07	8.74	7.59	16.33	-1.95	1.00	10.07	8.74	9.12	17.86
5300	0.00	-2.50	0.90	10.07	8.74	8.47	17.21	-2.20	1.00	10.07	8.74	8.87	17.61
5320	0.00	-2.41	0.90	10.07	8.74	8.56	17.30	-2.21	1.00	10.07	8.74	8.86	17.60
5500	0.00	-1.46	1.00	10.07	8.74	9.61	18.35	-3.13	1.10	10.07	8.74	8.04	16.78
5580	0.00	-1.76	1.00	10.07	8.74	9.31	18.05	-3.59	1.10	10.07	8.74	7.58	16.32
5700	0.00	-2.46	1.00	10.08	8.74	8.62	17.36	-2.43	1.10	10.08	8.74	8.75	17.49
5720	0.00	-2.51	1.00	10.08	8.74	8.57	17.31	-2.46	1.10	10.08	8.74	8.72	17.46
5745	0.00	-2.54	1.00	10.08	8.74	8.54	17.28	-2.66	1.10	10.08	8.74	8.52	17.26
5785	0.00	-2.40	1.00	10.08	8.74	8.68	17.42	-2.77	1.10	10.08	8.74	8.41	17.15
5825	0.00	-2.43	1.00	10.08	8.74	8.65	17.39	-2.93	1.10	10.08	8.74	8.25	16.99

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11n-40

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

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	35.997	4.81	6.15	10.96	10.40	21.23	10.83	35.97	46.03	82.00	19.14	29.97	10.83
5230	-	35.795	4.65	6.01	10.66	10.28	21.23	10.95	34.75	44.98	79.73	19.02	29.97	10.95
5270	39.234	35.964	5.97	8.93	14.90	11.73	21.23	9.50	44.67	66.83	111.50	20.47	29.97	9.50
5310	39.020	35.982	6.78	8.11	14.89	11.73	21.23	9.50	50.70	60.67	111.37	20.47	29.97	9.50
5510	39.197	35.941	8.57	6.67	15.24	11.83	21.23	9.40	64.12	49.89	114.01	20.57	29.97	9.40
5550	39.138	35.852	7.93	6.00	13.92	11.44	21.23	9.79	59.29	44.87	104.17	20.18	29.97	9.79
5670	39.191	35.963	6.58	7.53	14.11	11.50	21.23	9.73	49.20	56.36	105.57	20.24	29.97	9.73
5710	39.015	36.033	6.73	7.87	14.60	11.64	21.23	9.59	50.35	58.88	109.23	20.38	29.97	9.59
5755	-	35.946	6.87	7.67	14.54	11.63	27.26	15.63	51.40	57.41	108.82	20.37	36.00	15.63
5795	-	35.845	6.81	7.50	14.31	11.56	27.26	15.70	50.93	56.10	107.04	20.30	36.00	15.70

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5190	0.00	-4.15	0.90	10.07	8.74	6.82	15.56	-3.18	1.00	10.07	8.74	7.89	16.63
5230	0.00	-4.30	0.90	10.07	8.74	6.67	15.41	-3.28	1.00	10.07	8.74	7.79	16.53
5270	0.00	-3.21	0.90	10.07	8.74	7.76	16.50	-1.56	1.00	10.07	8.74	9.51	18.25
5310	0.00	-2.66	0.90	10.07	8.74	8.31	17.05	-1.98	1.00	10.07	8.74	9.09	17.83
5510	0.00	-1.74	1.00	10.07	8.74	9.33	18.07	-2.93	1.10	10.07	8.74	8.24	16.98
5550	0.00	-2.08	1.00	10.07	8.74	8.99	17.73	-3.39	1.10	10.07	8.74	7.78	16.52
5670	0.00	-2.90	1.00	10.08	8.74	8.18	16.92	-2.41	1.10	10.08	8.74	8.77	17.51
5710	0.00	-2.80	1.00	10.08	8.74	8.28	17.02	-2.22	1.10	10.08	8.74	8.96	17.70
5755	0.00	-2.71	1.00	10.08	8.74	8.37	17.11	-2.33	1.10	10.08	8.74	8.85	17.59
5795	0.00	-2.75	1.00	10.08	8.74	8.33	17.07	-2.43	1.10	10.08	8.74	8.75	17.49

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11ac-40

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

Tested	26 dB	99%	Conducted power						e.i.r.p.					
Frequency	EBW	OBW	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	(B for FCC)	(B for IC)	1	3	Sum				1	3	Sum			
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	35.800	4.56	8.41	12.97	11.13	21.23	10.10	34.12	62.95	97.07	19.87	29.97	10.10
5230	-	35.874	4.57	8.38	12.95	11.12	21.23	10.11	34.20	62.66	96.86	19.86	29.97	10.11
5270	39.328	35.961	5.90	8.71	14.61	11.65	21.23	9.58	44.16	65.16	109.32	20.39	29.97	9.58
5310	38.858	35.956	6.85	8.18	15.04	11.77	21.23	9.46	51.29	61.24	112.52	20.51	29.97	9.46
5510	38.976	35.996	8.41	6.70	15.11	11.79	21.23	9.44	62.95	50.12	113.07	20.53	29.97	9.44
5550	39.177	35.901	7.85	5.81	13.66	11.35	21.23	9.88	58.75	43.45	102.20	20.09	29.97	9.88
5670	38.950	35.989	6.75	7.76	14.51	11.62	21.23	9.61	50.47	58.08	108.54	20.36	29.97	9.61
5710	39.002	35.927	6.95	7.67	14.62	11.65	21.23	9.58	52.00	57.41	109.41	20.39	29.97	9.58
5755	-	35.895	6.97	7.57	14.53	11.62	27.26	15.64	52.12	56.62	108.74	20.36	36.00	15.64
5795	-	36.019	7.01	7.23	14.24	11.54	27.26	15.72	52.48	54.08	106.56	20.28	36.00	15.72

		Antenna 1						**Antenna 3**					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter Reading	Loss	Loss	Gain	Cond. Power	e.i.r.p.	Meter Reading	Loss	Loss	Gain	Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5190	0.00	-4.38	0.90	10.07	8.74	6.59	15.33	-1.82	1.00	10.07	8.74	9.25	17.99
5230	0.00	-4.37	0.90	10.07	8.74	6.60	15.34	-1.84	1.00	10.07	8.74	9.23	17.97
5270	0.00	-3.26	0.90	10.07	8.74	7.71	16.45	-1.67	1.00	10.07	8.74	9.40	18.14
5310	0.00	-2.61	0.90	10.07	8.74	8.36	17.10	-1.94	1.00	10.07	8.74	9.13	17.87
5510	0.00	-1.82	1.00	10.07	8.74	9.25	17.99	-2.91	1.10	10.07	8.74	8.26	17.00
5550	0.00	-2.12	1.00	10.07	8.74	8.95	17.69	-3.53	1.10	10.07	8.74	7.64	16.38
5670	0.00	-2.79	1.00	10.08	8.74	8.29	17.03	-2.28	1.10	10.08	8.74	8.90	17.64
5710	0.00	-2.66	1.00	10.08	8.74	8.42	17.16	-2.33	1.10	10.08	8.74	8.85	17.59
5755	0.00	-2.65	1.00	10.08	8.74	8.43	17.17	-2.39	1.10	10.08	8.74	8.79	17.53
5795	0.00	-2.62	1.00	10.08	8.74	8.46	17.20	-2.59	1.10	10.08	8.74	8.59	17.33

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-40 (OFDM)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	37.497	4.95	6.25	11.21	10.49	21.23	10.74	37.07	46.77	83.84	19.23	29.97	10.74
5230	-	37.476	4.86	6.32	11.19	10.49	21.23	10.74	36.39	47.32	83.71	19.23	29.97	10.74
5270	39.559	37.501	6.19	9.16	15.36	11.86	21.23	9.37	46.34	68.55	114.89	20.60	29.97	9.37
5310	39.518	37.479	7.06	8.73	15.79	11.98	21.23	9.25	52.84	65.31	118.16	20.72	29.97	9.25
5510	39.495	37.546	8.71	6.92	15.63	11.94	21.23	9.29	65.16	51.76	116.92	20.68	29.97	9.29
5550	39.492	37.468	8.02	6.25	14.27	11.54	21.23	9.69	59.98	46.77	106.75	20.28	29.97	9.69
5670	39.543	37.458	6.97	8.05	15.02	11.77	21.23	9.46	52.12	60.26	112.38	20.51	29.97	9.46
5710	39.519	37.507	7.26	7.94	15.20	11.82	21.23	9.41	54.33	59.43	113.75	20.56	29.97	9.41
5755	-	37.467	7.08	7.85	14.93	11.74	27.26	15.52	52.97	58.75	111.72	20.48	36.00	15.52
5795	-	37.515	7.14	8.05	15.20	11.82	27.26	15.44	53.46	60.26	113.71	20.56	36.00	15.44

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5190	0.00	-4.02	0.90	10.07	8.74	6.95	15.69	-3.11	1.00	10.07	8.74	7.96	16.70
5230	0.00	-4.10	0.90	10.07	8.74	6.87	15.61	-3.06	1.00	10.07	8.74	8.01	16.75
5270	0.00	-3.05	0.90	10.07	8.74	7.92	16.66	-1.45	1.00	10.07	8.74	9.62	18.36
5310	0.00	-2.48	0.90	10.07	8.74	8.49	17.23	-1.66	1.00	10.07	8.74	9.41	18.15
5510	0.00	-1.67	1.00	10.07	8.74	9.40	18.14	-2.77	1.10	10.07	8.74	8.40	17.14
5550	0.00	-2.03	1.00	10.07	8.74	9.04	17.78	-3.21	1.10	10.07	8.74	7.96	16.70
5670	0.00	-2.65	1.00	10.08	8.74	8.43	17.17	-2.12	1.10	10.08	8.74	9.06	17.80
5710	0.00	-2.47	1.00	10.08	8.74	8.61	17.35	-2.18	1.10	10.08	8.74	9.00	17.74
5755	0.00	-2.58	1.00	10.08	8.74	8.50	17.24	-2.23	1.10	10.08	8.74	8.95	17.69
5795	0.00	-2.54	1.00	10.08	8.74	8.54	17.28	-2.12	1.10	10.08	8.74	9.06	17.80

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-40 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	0	-	18.100	0.65	0.76	1.40	1.47	21.23	19.76	4.84	5.66	10.50	10.21	29.97	19.76
	8	-	21.848	0.70	0.87	1.57	1.96	21.23	19.27	5.27	6.49	11.76	10.70	29.97	19.27
	17	-	18.010	0.64	0.82	1.46	1.63	21.23	19.60	4.76	6.12	10.89	10.37	29.97	19.60
5230	0	-	18.048	0.57	0.76	1.33	1.24	21.23	19.99	4.29	5.66	9.95	9.98	29.97	19.99
	8	-	21.679	0.64	0.82	1.46	1.66	21.23	19.57	4.82	6.14	10.96	10.40	29.97	19.57
	17	-	18.008	0.61	0.76	1.38	1.39	21.23	19.84	4.59	5.70	10.29	10.13	29.97	19.84
5270	0	19.083	18.083	0.69	1.06	1.75	2.43	21.06	18.63	5.19	7.91	13.09	11.17	29.97	18.80
	8	22.257	21.674	0.77	1.12	1.89	2.77	21.23	18.46	5.79	8.38	14.17	11.51	29.97	18.46
	17	19.057	18.081	0.72	1.05	1.77	2.48	21.06	18.58	5.40	7.85	13.25	11.22	29.97	18.75
5310	0	19.153	18.084	0.77	0.95	1.72	2.35	21.08	18.73	5.73	7.11	12.84	11.09	29.97	18.88
	8	21.818	21.256	0.83	1.06	1.89	2.77	21.23	18.46	6.18	7.96	14.14	11.51	29.97	18.46
	17	19.065	18.092	0.80	0.97	1.77	2.49	21.06	18.57	5.98	7.28	13.26	11.23	29.97	18.74

Tested Frequency	RU Index	Duty Factor	**Antenna 1**						**Antenna 3**					
			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	0.00	-12.86	0.90	10.07	8.74	-1.89	6.85	-12.28	1.00	10.07	8.74	-1.21	7.53
	8	0.00	-12.49	0.90	10.07	8.74	-1.52	7.22	-11.69	1.00	10.07	8.74	-0.62	8.12
	17	0.00	-12.93	0.90	10.07	8.74	-1.96	6.78	-11.94	1.00	10.07	8.74	-0.87	7.87
5230	0	0.00	-13.39	0.90	10.07	8.74	-2.42	6.32	-12.28	1.00	10.07	8.74	-1.21	7.53
	8	0.00	-12.88	0.90	10.07	8.74	-1.91	6.83	-11.93	1.00	10.07	8.74	-0.86	7.88
	17	0.00	-13.09	0.90	10.07	8.74	-2.12	6.62	-12.25	1.00	10.07	8.74	-1.18	7.56
5270	0	0.00	-12.56	0.90	10.07	8.74	-1.59	7.15	-10.83	1.00	10.07	8.74	0.24	8.98
	8	0.00	-12.08	0.90	10.07	8.74	-1.11	7.63	-10.58	1.00	10.07	8.74	0.49	9.23
	17	0.00	-12.39	0.90	10.07	8.74	-1.42	7.32	-10.86	1.00	10.07	8.74	0.21	8.95
5310	0	0.00	-12.13	0.90	10.07	8.74	-1.16	7.58	-11.29	1.00	10.07	8.74	-0.22	8.52
	8	0.00	-11.80	0.90	10.07	8.74	-0.83	7.91	-10.80	1.00	10.07	8.74	0.27	9.01
	17	0.00	-11.94	0.90	10.07	8.74	-0.97	7.77	-11.19	1.00	10.07	8.74	-0.12	8.62

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-40 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5510	0	19.071	18.098	0.92	0.88	1.80	2.55	21.06	18.51	6.90	6.56	13.46	11.29	29.97	18.68
	8	21.924	21.510	1.09	0.94	2.04	3.09	21.23	18.14	8.18	7.05	15.23	11.83	29.97	18.14
	17	19.029	18.097	1.00	0.95	1.94	2.89	21.05	18.16	7.46	7.08	14.54	11.63	29.97	18.34
5550	0	19.112	18.100	0.91	0.85	1.76	2.44	21.07	18.63	6.81	6.32	13.13	11.18	29.97	18.79
	8	22.162	21.322	0.99	0.92	1.91	2.81	21.23	18.42	7.41	6.89	14.30	11.55	29.97	18.42
	17	19.058	18.076	0.95	0.95	1.90	2.80	21.06	18.26	7.14	7.10	14.24	11.54	29.97	18.43
5670	0	19.120	18.035	0.79	0.92	1.71	2.32	21.07	18.75	5.89	6.89	12.77	11.06	29.97	18.91
	8	21.697	21.181	0.87	0.97	1.85	2.66	21.23	18.57	6.53	7.28	13.81	11.40	29.97	18.57
	17	19.102	18.115	0.79	0.92	1.71	2.34	21.07	18.73	5.94	6.89	12.83	11.08	29.97	18.89
5710	0	19.109	18.057	0.84	0.97	1.81	2.57	21.07	18.50	6.25	7.28	13.53	11.31	29.97	18.66
	8	22.008	21.273	0.92	1.07	1.99	2.98	21.23	18.25	6.87	8.00	14.87	11.72	29.97	18.25
	17	19.072	18.035	0.87	0.97	1.84	2.66	21.06	18.40	6.55	7.24	13.79	11.40	29.97	18.57
5755	0	-	18.045	0.83	0.93	1.76	2.46	27.26	24.80	6.22	6.95	13.17	11.20	36.00	24.80
	8	-	21.525	0.96	0.97	1.93	2.86	27.26	24.40	7.18	7.28	14.46	11.60	36.00	24.40
	17	-	18.119	0.89	0.91	1.79	2.53	27.26	24.73	6.62	6.78	13.40	11.27	36.00	24.73
5795	0	-	18.069	0.85	0.93	1.78	2.50	27.26	24.76	6.32	6.98	13.31	11.24	36.00	24.76
	8	-	21.426	0.93	0.97	1.90	2.79	27.26	24.47	6.98	7.23	14.21	11.53	36.00	24.47
	17	-	18.136	0.88	0.91	1.78	2.51	27.26	24.75	6.56	6.78	13.34	11.25	36.00	24.75

			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]
5510	0	0.00	-11.42	1.00	10.07	8.74	-0.35	8.39	-11.74	1.10	10.07	8.74	-0.57	8.17
	8	0.00	-10.68	1.00	10.07	8.74	0.39	9.13	-11.43	1.10	10.07	8.74	-0.26	8.48
	17	0.00	-11.08	1.00	10.07	8.74	-0.01	8.73	-11.41	1.10	10.07	8.74	-0.24	8.50
5550	0	0.00	-11.48	1.00	10.07	8.74	-0.41	8.33	-11.90	1.10	10.07	8.74	-0.73	8.01
	8	0.00	-11.11	1.00	10.07	8.74	-0.04	8.70	-11.53	1.10	10.07	8.74	-0.36	8.38
	17	0.00	-11.27	1.00	10.07	8.74	-0.20	8.54	-11.40	1.10	10.07	8.74	-0.23	8.51
5670	0	0.00	-12.12	1.00	10.08	8.74	-1.04	7.70	-11.54	1.10	10.08	8.74	-0.36	8.38
	8	0.00	-11.67	1.00	10.08	8.74	-0.59	8.15	-11.30	1.10	10.08	8.74	-0.12	8.62
	17	0.00	-12.08	1.00	10.08	8.74	-1.00	7.74	-11.54	1.10	10.08	8.74	-0.36	8.38
5710	0	0.00	-11.86	1.00	10.08	8.74	-0.78	7.96	-11.30	1.10	10.08	8.74	-0.12	8.62
	8	0.00	-11.45	1.00	10.08	8.74	-0.37	8.37	-10.89	1.10	10.08	8.74	0.29	9.03
	17	0.00	-11.66	1.00	10.08	8.74	-0.58	8.16	-11.32	1.10	10.08	8.74	-0.14	8.60
5755	0	0.00	-11.88	1.00	10.08	8.74	-0.80	7.94	-11.50	1.10	10.08	8.74	-0.32	8.42
	8	0.00	-11.26	1.00	10.08	8.74	-0.18	8.56	-11.30	1.10	10.08	8.74	-0.12	8.62
	17	0.00	-11.61	1.00	10.08	8.74	-0.53	8.21	-11.61	1.10	10.08	8.74	-0.43	8.31
5795	0	0.00	-11.81	1.00	10.08	8.74	-0.73	8.01	-11.48	1.10	10.08	8.74	-0.30	8.44
	8	0.00	-11.38	1.00	10.08	8.74	-0.30	8.44	-11.33	1.10	10.08	8.74	-0.15	8.59
	17	0.00	-11.65	1.00	10.08	8.74	-0.57	8.17	-11.61	1.10	10.08	8.74	-0.43	8.31

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-40 OFDMA (52-tone RU)

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

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	37	-	18.029	1.26	1.49	2.75	4.40	21.23	16.83	9.42	11.17	20.59	13.14	29.97	16.83
	40	-	22.102	1.44	1.69	3.13	4.95	21.23	16.28	10.76	12.62	23.38	13.69	29.97	16.28
	44	-	17.940	1.31	1.55	2.86	4.57	21.23	16.66	9.82	11.59	21.41	13.31	29.97	16.66
5230	37	-	18.030	1.16	1.60	2.76	4.41	21.23	16.82	8.71	11.94	20.65	13.15	29.97	16.82
	40	-	22.572	1.30	1.81	3.10	4.92	21.23	16.31	9.71	13.52	23.23	13.66	29.97	16.31
	44	-	17.973	1.20	1.65	2.85	4.54	21.23	16.69	8.97	12.33	21.31	13.28	29.97	16.69
5270	37	19.195	17.995	1.34	1.64	2.98	4.74	21.09	16.35	10.02	12.27	22.30	13.48	29.97	16.49
	40	25.381	22.072	1.52	2.09	3.61	5.57	21.23	15.66	11.35	15.63	26.98	14.31	29.97	15.66
	44	19.327	17.939	1.43	1.99	3.42	5.34	21.12	15.78	10.69	14.89	25.58	14.08	29.97	15.89
5310	37	19.250	17.976	1.57	1.93	3.49	5.43	21.10	15.67	11.72	14.42	26.14	14.17	29.97	15.80
	40	23.483	23.477	1.74	2.11	3.85	5.86	21.23	15.37	13.00	15.81	28.81	14.60	29.97	15.37
	44	19.327	18.004	1.66	1.93	3.60	5.56	21.12	15.56	12.45	14.45	26.90	14.30	29.97	15.67

			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 Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5190	37	0.00	-9.97	0.90	10.07	8.74	1.00	9.74	-9.33	1.00	10.07	8.74	1.74	10.48
	40	0.00	-9.39	0.90	10.07	8.74	1.58	10.32	-8.80	1.00	10.07	8.74	2.27	11.01
	44	0.00	-9.79	0.90	10.07	8.74	1.18	9.92	-9.17	1.00	10.07	8.74	1.90	10.64
5230	37	0.00	-10.31	0.90	10.07	8.74	0.66	9.40	-9.04	1.00	10.07	8.74	2.03	10.77
	40	0.00	-9.84	0.90	10.07	8.74	1.13	9.87	-8.50	1.00	10.07	8.74	2.57	11.31
	44	0.00	-10.18	0.90	10.07	8.74	0.79	9.53	-8.90	1.00	10.07	8.74	2.17	10.91
5270	37	0.00	-9.70	0.90	10.07	8.74	1.27	10.01	-8.92	1.00	10.07	8.74	2.15	10.89
	40	0.00	-9.16	0.90	10.07	8.74	1.81	10.55	-7.87	1.00	10.07	8.74	3.20	11.94
	44	0.00	-9.42	0.90	10.07	8.74	1.55	10.29	-8.08	1.00	10.07	8.74	2.99	11.73
5310	37	0.00	-9.02	0.90	10.07	8.74	1.95	10.69	-8.22	1.00	10.07	8.74	2.85	11.59
	40	0.00	-8.57	0.90	10.07	8.74	2.40	11.14	-7.82	1.00	10.07	8.74	3.25	11.99
	44	0.00	-8.76	0.90	10.07	8.74	2.21	10.95	-8.21	1.00	10.07	8.74	2.86	11.60

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 test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-40 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5510	37	19.262	17.939	1.82	1.74	3.55	5.51	21.10	15.59	13.58	13.00	26.58	14.25	29.97	15.72
	40	23.993	22.658	2.09	1.85	3.94	5.95	21.23	15.28	15.63	13.84	29.47	14.69	29.97	15.28
	44	19.381	17.899	1.95	1.80	3.74	5.73	21.13	15.40	14.55	13.46	28.01	14.47	29.97	15.50
5550	37	19.189	17.987	1.72	1.45	3.17	5.02	21.09	16.07	12.88	10.86	23.75	13.76	29.97	16.21
	40	24.273	22.939	1.91	1.58	3.49	5.43	21.23	15.80	14.29	11.83	26.12	14.17	29.97	15.80
	44	19.343	17.960	1.80	1.49	3.29	5.18	21.12	15.94	13.49	11.14	24.63	13.92	29.97	16.05
5670	37	19.224	17.951	1.40	1.89	3.29	5.17	21.09	15.92	10.50	14.13	24.62	13.91	29.97	16.06
	40	23.381	22.144	1.55	2.07	3.62	5.58	21.23	15.65	11.61	15.45	27.07	14.32	29.97	15.65
	44	19.311	17.916	1.43	1.93	3.35	5.25	21.11	15.86	10.67	14.42	25.09	13.99	29.97	15.98
5710	37	19.223	17.957	1.52	1.91	3.43	5.36	21.09	15.73	11.38	14.32	25.70	14.10	29.97	15.87
	40	24.165	22.140	1.66	2.09	3.75	5.74	21.23	15.49	12.39	15.67	28.06	14.48	29.97	15.49
	44	19.368	17.992	1.57	1.93	3.50	5.44	21.13	15.69	11.72	14.45	26.18	14.18	29.97	15.79
5755	37	-	17.909	1.65	1.91	3.55	5.51	27.26	21.75	12.33	14.26	26.59	14.25	36.00	21.75
	40	-	22.126	1.77	1.97	3.75	5.74	27.26	21.52	13.27	14.76	28.03	14.48	36.00	21.52
	44	-	17.961	1.67	1.91	3.58	5.54	27.26	21.72	12.50	14.29	26.79	14.28	36.00	21.72
5795	37	-	17.937	1.66	1.76	3.42	5.34	27.26	21.92	12.42	13.18	25.60	14.08	36.00	21.92
	40	-	21.055	1.82	1.94	3.75	5.74	27.26	21.52	13.58	14.49	28.07	14.48	36.00	21.52
	44	-	17.960	1.69	1.77	3.47	5.40	27.26	21.86	12.68	13.27	25.95	14.14	36.00	21.86

Tested Frequency	RU Index	Duty Factor	**Antenna 1** Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	**Antenna 3** Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5510	37	0.00	-8.48	1.00	10.07	8.74	2.59	11.33	-8.77	1.10	10.07	8.74	2.40	11.14
	40	0.00	-7.87	1.00	10.07	8.74	3.20	11.94	-8.50	1.10	10.07	8.74	2.67	11.41
	44	0.00	-8.18	1.00	10.07	8.74	2.89	11.63	-8.62	1.10	10.07	8.74	2.55	11.29
5550	37	0.00	-8.71	1.00	10.07	8.74	2.36	11.10	-9.55	1.10	10.07	8.74	1.62	10.36
	40	0.00	-8.26	1.00	10.07	8.74	2.81	11.55	-9.18	1.10	10.07	8.74	1.99	10.73
	44	0.00	-8.51	1.00	10.07	8.74	2.56	11.30	-9.44	1.10	10.07	8.74	1.73	10.47
5670	37	0.00	-9.61	1.00	10.08	8.74	1.47	10.21	-8.42	1.10	10.08	8.74	2.76	11.50
	40	0.00	-9.17	1.00	10.08	8.74	1.91	10.65	-8.03	1.10	10.08	8.74	3.15	11.89
	44	0.00	-9.54	1.00	10.08	8.74	1.54	10.28	-8.33	1.10	10.08	8.74	2.85	11.59
5710	37	0.00	-9.26	1.00	10.08	8.74	1.82	10.56	-8.36	1.10	10.08	8.74	2.82	11.56
	40	0.00	-8.89	1.00	10.08	8.74	2.19	10.93	-7.97	1.10	10.08	8.74	3.21	11.95
	44	0.00	-9.13	1.00	10.08	8.74	1.95	10.69	-8.32	1.10	10.08	8.74	2.86	11.60
5755	37	0.00	-8.91	1.00	10.08	8.74	2.17	10.91	-8.38	1.10	10.08	8.74	2.80	11.54
	40	0.00	-8.59	1.00	10.08	8.74	2.49	11.23	-8.23	1.10	10.08	8.74	2.95	11.69
	44	0.00	-8.85	1.00	10.08	8.74	2.23	10.97	-8.37	1.10	10.08	8.74	2.81	11.55
5795	37	0.00	-8.88	1.00	10.08	8.74	2.20	10.94	-8.72	1.10	10.08	8.74	2.46	11.20
	40	0.00	-8.49	1.00	10.08	8.74	2.59	11.33	-8.31	1.10	10.08	8.74	2.87	11.61
	44	0.00	-8.79	1.00	10.08	8.74	2.29	11.03	-8.69	1.10	10.08	8.74	2.49	11.23

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-40 OFDMA (106-tone RU)

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

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99% OBW (B for IC) [MHz]	Conducted power Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	e.i.r.p. Antenna 1 [mW]	Antenna 3 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	53	-	17.757	2.35	3.15	5.50	7.40	21.23	13.83	17.58	23.55	41.13	16.14	29.97	13.83
	54	-	20.558	2.48	3.30	5.77	7.61	21.23	13.62	18.54	24.66	43.20	16.35	29.97	13.62
	56	-	17.728	2.37	3.18	5.55	7.44	21.23	13.79	17.74	23.77	41.51	16.18	29.97	13.79
5230	53	-	17.751	2.50	3.24	5.74	7.59	21.23	13.64	18.71	24.21	42.92	16.33	29.97	13.64
	54	-	21.631	2.62	3.40	6.03	7.80	21.23	13.43	19.63	25.47	45.10	16.54	29.97	13.43
	56	-	17.654	2.57	3.27	5.84	7.66	21.23	13.57	19.23	24.43	43.67	16.40	29.97	13.57
5270	53	19.496	17.684	3.03	4.80	7.82	8.93	21.15	12.22	22.65	35.89	58.54	17.67	29.97	12.30
	54	23.322	20.534	3.21	5.12	8.33	9.21	21.23	12.02	24.04	38.28	62.33	17.95	29.97	12.02
	56	19.341	17.688	3.09	4.93	8.02	9.04	21.12	12.08	23.12	36.90	60.02	17.78	29.97	12.19
5310	53	19.495	17.743	3.24	3.84	7.07	8.50	21.15	12.65	24.21	28.71	52.92	17.24	29.97	12.73
	54	24.292	20.671	3.44	4.18	7.62	8.82	21.23	12.41	25.76	31.26	57.02	17.56	29.97	12.41
	56	19.409	17.677	3.35	3.88	7.23	8.59	21.14	12.55	25.06	29.04	54.10	17.33	29.97	12.64

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Antenna 1 Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Antenna 3 Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5190	53	0.00	-7.26	0.90	10.07	8.74	3.71	12.45	-6.09	1.00	10.07	8.74	4.98	13.72
	54	0.00	-7.03	0.90	10.07	8.74	3.94	12.68	-5.89	1.00	10.07	8.74	5.18	13.92
	56	0.00	-7.22	0.90	10.07	8.74	3.75	12.49	-6.05	1.00	10.07	8.74	5.02	13.76
5230	53	0.00	-6.99	0.90	10.07	8.74	3.98	12.72	-5.97	1.00	10.07	8.74	5.10	13.84
	54	0.00	-6.78	0.90	10.07	8.74	4.19	12.93	-5.75	1.00	10.07	8.74	5.32	14.06
	56	0.00	-6.87	0.90	10.07	8.74	4.10	12.84	-5.93	1.00	10.07	8.74	5.14	13.88
5270	53	0.00	-6.16	0.90	10.07	8.74	4.81	13.55	-4.26	1.00	10.07	8.74	6.81	15.55
	54	0.00	-5.90	0.90	10.07	8.74	5.07	13.81	-3.98	1.00	10.07	8.74	7.09	15.83
	56	0.00	-6.07	0.90	10.07	8.74	4.90	13.64	-4.14	1.00	10.07	8.74	6.93	15.67
5310	53	0.00	-5.87	0.90	10.07	8.74	5.10	13.84	-5.23	1.00	10.07	8.74	5.84	14.58
	54	0.00	-5.60	0.90	10.07	8.74	5.37	14.11	-4.86	1.00	10.07	8.74	6.21	14.95
	56	0.00	-5.72	0.90	10.07	8.74	5.25	13.99	-5.18	1.00	10.07	8.74	5.89	14.63

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-40 OFDMA (106-tone RU)

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

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5510	53	19.411	17.767	3.81	3.61	7.42	8.70	21.14	12.44	28.51	26.98	55.49	17.44	29.97	12.53
	54	26.386	20.743	4.17	3.89	8.06	9.06	21.23	12.17	31.19	29.11	60.30	17.80	29.97	12.17
	56	19.331	17.672	4.02	3.68	7.70	8.86	21.12	12.26	30.06	27.54	57.60	17.60	29.97	12.37
5550	53	19.468	17.815	3.56	3.22	6.78	8.31	21.15	12.84	26.61	24.10	50.71	17.05	29.97	12.92
	54	23.945	20.672	3.79	3.54	7.33	8.65	21.23	12.58	28.38	26.49	54.86	17.39	29.97	12.58
	56	19.369	17.673	3.71	3.27	6.98	8.44	21.13	12.69	27.73	24.49	52.22	17.18	29.97	12.79
5670	53	19.374	17.724	3.10	4.00	7.10	8.51	21.13	12.62	23.17	29.92	53.10	17.25	29.97	12.72
	54	24.698	20.467	3.33	4.33	7.65	8.84	21.23	12.39	24.89	32.36	57.25	17.58	29.97	12.39
	56	19.352	17.655	3.19	4.03	7.22	8.58	21.12	12.54	23.88	30.13	54.01	17.32	29.97	12.65
5710	53	19.364	17.737	3.08	3.72	6.80	8.32	21.13	12.81	23.07	27.80	50.86	17.06	29.97	12.91
	54	25.113	20.781	3.26	4.03	7.29	8.62	21.23	12.61	24.38	30.13	54.51	17.36	29.97	12.61
	56	19.278	17.738	3.18	3.84	7.02	8.46	21.11	12.65	23.82	28.71	52.53	17.20	29.97	12.77
5755	53	-	17.759	3.36	3.65	7.00	8.45	27.26	18.81	25.12	27.29	52.41	17.19	36.00	18.81
	54	-	21.340	3.63	3.96	7.59	8.80	27.26	18.46	27.16	29.65	56.81	17.54	36.00	18.46
	56	-	17.674	3.44	3.71	7.15	8.54	27.26	18.72	25.76	27.73	53.50	17.28	36.00	18.72
5795	53	-	17.749	3.30	3.88	7.18	8.56	27.26	18.70	24.66	29.04	53.70	17.30	36.00	18.70
	54	-	20.633	3.55	4.13	7.68	8.85	27.26	18.41	26.55	30.90	57.45	17.59	36.00	18.41
	56	-	17.729	3.48	3.94	7.42	8.70	27.26	18.56	26.00	29.51	55.51	17.44	36.00	18.56

			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]
5510	53	0.00	-5.26	1.00	10.07	8.74	5.81	14.55	-5.60	1.10	10.07	8.74	5.57	14.31
	54	0.00	-4.87	1.00	10.07	8.74	6.20	14.94	-5.27	1.10	10.07	8.74	5.90	14.64
	56	0.00	-5.03	1.00	10.07	8.74	6.04	14.78	-5.51	1.10	10.07	8.74	5.66	14.40
5550	53	0.00	-5.56	1.00	10.07	8.74	5.51	14.25	-6.09	1.10	10.07	8.74	5.08	13.82
	54	0.00	-5.28	1.00	10.07	8.74	5.79	14.53	-5.68	1.10	10.07	8.74	5.49	14.23
	56	0.00	-5.38	1.00	10.07	8.74	5.69	14.43	-6.02	1.10	10.07	8.74	5.15	13.89
5670	53	0.00	-6.17	1.00	10.08	8.74	4.91	13.65	-5.16	1.10	10.08	8.74	6.02	14.76
	54	0.00	-5.86	1.00	10.08	8.74	5.22	13.96	-4.82	1.10	10.08	8.74	6.36	15.10
	56	0.00	-6.04	1.00	10.08	8.74	5.04	13.78	-5.13	1.10	10.08	8.74	6.05	14.79
5710	53	0.00	-6.19	1.00	10.08	8.74	4.89	13.63	-5.48	1.10	10.08	8.74	5.70	14.44
	54	0.00	-5.95	1.00	10.08	8.74	5.13	13.87	-5.13	1.10	10.08	8.74	6.05	14.79
	56	0.00	-6.05	1.00	10.08	8.74	5.03	13.77	-5.34	1.10	10.08	8.74	5.84	14.58
5755	53	0.00	-5.82	1.00	10.08	8.74	5.26	14.00	-5.56	1.10	10.08	8.74	5.62	14.36
	54	0.00	-5.48	1.00	10.08	8.74	5.60	14.34	-5.20	1.10	10.08	8.74	5.98	14.72
	56	0.00	-5.71	1.00	10.08	8.74	5.37	14.11	-5.49	1.10	10.08	8.74	5.69	14.43
5795	53	0.00	-5.90	1.00	10.08	8.74	5.18	13.92	-5.29	1.10	10.08	8.74	5.89	14.63
	54	0.00	-5.58	1.00	10.08	8.74	5.50	14.24	-5.02	1.10	10.08	8.74	6.16	14.90
	56	0.00	-5.67	1.00	10.08	8.74	5.41	14.15	-5.22	1.10	10.08	8.74	5.96	14.70

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 test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-40 OFDMA (242-tone RU)

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

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	61	-	23.431	4.65	6.19	10.84	10.35	21.23	10.88	34.75	46.34	81.10	19.09	29.97	10.88
	62	-	23.018	4.70	6.03	10.72	10.30	21.23	10.93	35.16	45.08	80.24	19.04	29.97	10.93
5230	61	-	23.672	4.49	5.96	10.44	10.19	21.23	11.04	33.57	44.57	78.14	18.93	29.97	11.04
	62	-	23.711	4.56	5.87	10.44	10.19	21.23	11.04	34.12	43.95	78.07	18.93	29.97	11.04
5270	61	39.304	24.005	5.75	8.93	14.69	11.67	21.23	9.56	43.05	66.83	109.89	20.41	29.97	9.56
	62	39.294	23.502	5.89	8.95	14.84	11.71	21.23	9.52	44.06	66.99	111.04	20.45	29.97	9.52
5310	61	39.431	27.712	6.70	8.41	15.11	11.79	21.23	9.44	50.12	62.95	113.07	20.53	29.97	9.44
	62	39.414	22.786	6.85	8.11	14.96	11.75	21.23	9.48	51.29	60.67	111.96	20.49	29.97	9.48
5510	61	39.441	25.902	8.32	6.79	15.11	11.79	21.23	9.44	62.23	50.82	113.05	20.53	29.97	9.44
	62	39.272	23.891	8.53	6.90	15.43	11.88	21.23	9.35	63.83	51.64	115.47	20.62	29.97	9.35
5550	61	39.419	27.962	7.85	6.07	13.92	11.44	21.23	9.79	58.75	45.39	104.14	20.18	29.97	9.79
	62	39.374	23.077	7.89	6.11	14.00	11.46	21.23	9.77	59.02	45.71	104.73	20.20	29.97	9.77
5670	61	39.225	26.671	6.56	7.80	14.36	11.57	21.23	9.66	49.09	58.34	107.44	20.31	29.97	9.66
	62	39.209	27.780	6.67	7.87	14.54	11.63	21.23	9.60	49.89	58.88	108.77	20.37	29.97	9.60
5710	61	39.329	25.595	6.64	7.85	14.49	11.61	21.23	9.62	49.66	58.75	108.41	20.35	29.97	9.62
	62	39.068	23.296	7.08	7.64	14.72	11.68	21.23	9.55	52.97	57.15	110.11	20.42	29.97	9.55
5755	61	-	25.922	6.70	7.41	14.11	11.50	27.26	15.76	50.12	55.46	105.58	20.24	36.00	15.76
	62	-	25.515	6.98	7.53	14.52	11.62	27.26	15.64	52.24	56.36	108.60	20.36	36.00	15.64
5795	61	-	25.469	6.95	7.28	14.23	11.53	27.26	15.73	52.00	54.45	106.45	20.27	36.00	15.73
	62	-	22.612	7.00	7.45	14.45	11.60	27.26	15.66	52.36	55.72	108.08	20.34	36.00	15.66

			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]
5190	61	0.00	-4.30	0.90	10.07	8.74	6.67	15.41	-3.15	1.00	10.07	8.74	7.92	16.66
	62	0.00	-4.25	0.90	10.07	8.74	6.72	15.46	-3.27	1.00	10.07	8.74	7.80	16.54
5230	61	0.00	-4.45	0.90	10.07	8.74	6.52	15.26	-3.32	1.00	10.07	8.74	7.75	16.49
	62	0.00	-4.38	0.90	10.07	8.74	6.59	15.33	-3.38	1.00	10.07	8.74	7.69	16.43
5270	61	0.00	-3.37	0.90	10.07	8.74	7.60	16.34	-1.56	1.00	10.07	8.74	9.51	18.25
	62	0.00	-3.27	0.90	10.07	8.74	7.70	16.44	-1.55	1.00	10.07	8.74	9.52	18.26
5310	61	0.00	-2.71	0.90	10.07	8.74	8.26	17.00	-1.82	1.00	10.07	8.74	9.25	17.99
	62	0.00	-2.61	0.90	10.07	8.74	8.36	17.10	-1.98	1.00	10.07	8.74	9.09	17.83
5510	61	0.00	-1.87	1.00	10.07	8.74	9.20	17.94	-2.85	1.10	10.07	8.74	8.32	17.06
	62	0.00	-1.76	1.00	10.07	8.74	9.31	18.05	-2.78	1.10	10.07	8.74	8.39	17.13
5550	61	0.00	-2.12	1.00	10.07	8.74	8.95	17.69	-3.34	1.10	10.07	8.74	7.83	16.57
	62	0.00	-2.10	1.00	10.07	8.74	8.97	17.71	-3.31	1.10	10.07	8.74	7.86	16.60
5670	61	0.00	-2.91	1.00	10.08	8.74	8.17	16.91	-2.26	1.10	10.08	8.74	8.92	17.66
	62	0.00	-2.84	1.00	10.08	8.74	8.24	16.98	-2.22	1.10	10.08	8.74	8.96	17.70
5710	61	0.00	-2.86	1.00	10.08	8.74	8.22	16.96	-2.23	1.10	10.08	8.74	8.95	17.69
	62	0.00	-2.58	1.00	10.08	8.74	8.50	17.24	-2.35	1.10	10.08	8.74	8.83	17.57
5755	61	0.00	-2.82	1.00	10.08	8.74	8.26	17.00	-2.48	1.10	10.08	8.74	8.70	17.44
	62	0.00	-2.64	1.00	10.08	8.74	8.44	17.18	-2.41	1.10	10.08	8.74	8.77	17.51
5795	61	0.00	-2.66	1.00	10.08	8.74	8.42	17.16	-2.56	1.10	10.08	8.74	8.62	17.36
	62	0.00	-2.63	1.00	10.08	8.74	8.45	17.19	-2.46	1.10	10.08	8.74	8.72	17.46

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-40 OFDMA (484-tone RU)

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

Tested	26 dB	99%	Conducted power						e.i.r.p.					
Frequency	EBW	OBW	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	(B for FCC)	(B for IC)	1	3	Sum				1	3	Sum			
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	37.389	4.91	6.22	11.13	10.47	21.23	10.76	36.73	46.56	83.29	19.21	29.97	10.76
5230	-	37.374	4.73	6.05	10.78	10.33	21.23	10.90	35.40	45.29	80.69	19.07	29.97	10.90
5270	39.546	37.407	6.03	9.08	15.10	11.79	21.23	9.44	45.08	67.92	113.00	20.53	29.97	9.44
5310	39.509	37.379	6.89	8.39	15.28	11.84	21.23	9.39	51.52	62.81	114.33	20.58	29.97	9.39
5510	39.400	37.501	8.59	6.84	15.43	11.88	21.23	9.35	64.27	51.17	115.44	20.62	29.97	9.35
5550	39.307	37.384	7.82	6.21	14.02	11.47	21.23	9.76	58.48	46.45	104.93	20.21	29.97	9.76
5670	39.541	37.377	6.92	7.94	14.86	11.72	21.23	9.51	51.76	59.43	111.19	20.46	29.97	9.51
5710	39.580	37.474	6.85	7.96	14.82	11.71	21.23	9.52	51.29	59.57	110.85	20.45	29.97	9.52
5755	-	37.435	6.85	7.64	14.49	11.61	27.26	15.65	51.29	57.15	108.43	20.35	36.00	15.65
5795	-	37.416	7.00	7.60	14.60	11.64	27.26	15.62	52.36	56.89	109.25	20.38	36.00	15.62

		Antenna 1						**Antenna 3**					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
		Reading				Power		Reading				Power	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5190	0.00	-4.06	0.90	10.07	8.74	6.91	15.65	-3.13	1.00	10.07	8.74	7.94	16.68
5230	0.00	-4.22	0.90	10.07	8.74	6.75	15.49	-3.25	1.00	10.07	8.74	7.82	16.56
5270	0.00	-3.17	0.90	10.07	8.74	7.80	16.54	-1.49	1.00	10.07	8.74	9.58	18.32
5310	0.00	-2.59	0.90	10.07	8.74	8.38	17.12	-1.83	1.00	10.07	8.74	9.24	17.98
5510	0.00	-1.73	1.00	10.07	8.74	9.34	18.08	-2.82	1.10	10.07	8.74	8.35	17.09
5550	0.00	-2.14	1.00	10.07	8.74	8.93	17.67	-3.24	1.10	10.07	8.74	7.93	16.67
5670	0.00	-2.68	1.00	10.08	8.74	8.40	17.14	-2.18	1.10	10.08	8.74	9.00	17.74
5710	0.00	-2.72	1.00	10.08	8.74	8.36	17.10	-2.17	1.10	10.08	8.74	9.01	17.75
5755	0.00	-2.72	1.00	10.08	8.74	8.36	17.10	-2.35	1.10	10.08	8.74	8.83	17.57
5795	0.00	-2.63	1.00	10.08	8.74	8.45	17.19	-2.37	1.10	10.08	8.74	8.81	17.55

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11ac-80

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

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	-	74.977	4.40	5.32	9.72	9.88	21.23	11.35	32.89	39.81	72.70	18.62	29.97	11.35
5290	79.012	75.038	5.78	7.82	13.60	11.33	21.23	9.90	43.25	58.48	101.73	20.07	29.97	9.90
5530	78.751	75.066	8.04	6.12	14.16	11.51	21.23	9.72	60.12	45.81	105.93	20.25	29.97	9.72
5610	79.069	75.057	7.55	5.50	13.05	11.15	21.23	10.08	56.49	41.11	97.61	19.89	29.97	10.08
5690	78.997	75.042	6.11	7.35	13.45	11.29	21.23	9.94	45.71	54.95	100.66	20.03	29.97	9.94
5775	-	75.056	6.32	7.19	13.52	11.31	27.26	15.95	47.32	53.83	101.14	20.05	36.00	15.95

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	0.00	-4.54	0.90	10.07	8.74	6.43	15.17	-3.81	1.00	10.07	8.74	7.26	16.00
5290	0.00	-3.35	0.90	10.07	8.74	7.62	16.36	-2.14	1.00	10.07	8.74	8.93	17.67
5530	0.00	-2.02	1.00	10.07	8.74	9.05	17.79	-3.30	1.10	10.07	8.74	7.87	16.61
5610	0.00	-2.29	1.00	10.07	8.74	8.78	17.52	-3.77	1.10	10.07	8.74	7.40	16.14
5690	0.00	-3.22	1.00	10.08	8.74	7.86	16.60	-2.52	1.10	10.08	8.74	8.66	17.40
5775	0.00	-3.07	1.00	10.08	8.74	8.01	16.75	-2.61	1.10	10.08	8.74	8.57	17.31

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-80 (OFDM)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power Antenna 1	Antenna 3	Sum	Result	Limit	Margin	e.i.r.p. Antenna 1	Antenna 3	Sum	Result	Limit	Margin
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	-	76.818	4.59	5.83	10.43	10.18	21.23	11.05	34.36	43.65	78.01	18.92	29.97	11.05
5290	80.163	76.794	6.01	8.38	14.39	11.58	21.23	9.65	44.98	62.66	107.64	20.32	29.97	9.65
5530	80.184	76.799	8.55	6.28	14.83	11.71	21.23	9.52	63.97	46.99	110.96	20.45	29.97	9.52
5610	80.177	76.825	7.57	6.24	13.81	11.40	21.23	9.83	56.62	46.67	103.29	20.14	29.97	9.83
5690	80.183	76.767	6.71	7.40	14.11	11.50	21.23	9.73	50.23	55.34	105.57	20.24	29.97	9.73
5775	-	76.850	6.97	7.08	14.05	11.48	27.26	15.78	52.12	52.97	105.09	20.22	36.00	15.78

		Antenna 1						**Antenna 3**					
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	0.00	-4.35	0.90	10.07	8.74	6.62	15.36	-3.41	1.00	10.07	8.74	7.66	16.40
5290	0.00	-3.18	0.90	10.07	8.74	7.79	16.53	-1.84	1.00	10.07	8.74	9.23	17.97
5530	0.00	-1.75	1.00	10.07	8.74	9.32	18.06	-3.19	1.10	10.07	8.74	7.98	16.72
5610	0.00	-2.28	1.00	10.07	8.74	8.79	17.53	-3.22	1.10	10.07	8.74	7.95	16.69
5690	0.00	-2.81	1.00	10.08	8.74	8.27	17.01	-2.49	1.10	10.08	8.74	8.69	17.43
5775	0.00	-2.65	1.00	10.08	8.74	8.43	17.17	-2.68	1.10	10.08	8.74	8.50	17.24

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-80 OFDMA (26-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	0	-	19.570	0.69	0.73	1.42	1.53	21.23	19.70	5.18	5.47	10.65	10.27	29.97	19.70
	18	-	37.086	0.68	0.76	1.44	1.60	21.23	19.63	5.11	5.70	10.81	10.34	29.97	19.63
	36	-	19.470	0.69	0.75	1.44	1.58	21.23	19.65	5.16	5.61	10.77	10.32	29.97	19.65
5290	0	19.739	19.477	0.71	1.06	1.77	2.48	21.21	18.73	5.31	7.94	13.25	11.22	29.97	18.75
	18	38.748	37.023	0.72	1.04	1.75	2.44	21.23	18.79	5.38	7.74	13.13	11.18	29.97	18.79
	36	19.866	19.501	0.74	0.99	1.74	2.39	21.23	18.84	5.57	7.41	12.98	11.13	29.97	18.84
5530	0	19.805	19.484	1.04	0.85	1.89	2.76	21.22	18.46	7.76	6.37	14.13	11.50	29.97	18.47
	18	38.828	37.122	1.11	0.87	1.98	2.97	21.23	18.26	8.30	6.53	14.83	11.71	29.97	18.26
	36	19.760	19.392	1.14	0.89	2.03	3.08	21.21	18.13	8.55	6.65	15.20	11.82	29.97	18.15
5610	0	19.772	19.380	0.99	0.89	1.87	2.73	21.22	18.49	7.40	6.62	14.02	11.47	29.97	18.50
	18	38.651	37.057	1.05	0.86	1.91	2.82	21.23	18.41	7.89	6.43	14.32	11.56	29.97	18.41
	36	19.747	19.355	1.07	0.85	1.92	2.83	21.21	18.38	7.98	6.37	14.35	11.57	29.97	18.40
5690	0	19.778	19.355	0.80	0.91	1.71	2.33	21.22	18.89	5.98	6.82	12.81	11.07	29.97	18.90
	18	38.565	37.141	0.86	0.94	1.81	2.57	21.23	18.66	6.46	7.06	13.52	11.31	29.97	18.66
	36	19.863	19.460	0.81	0.96	1.78	2.50	21.23	18.73	6.10	7.21	13.31	11.24	29.97	18.73
5775	0	-	19.440	0.79	0.87	1.66	2.20	27.26	25.06	5.93	6.50	12.43	10.94	36.00	25.06
	18	-	37.036	0.80	0.88	1.68	2.25	27.26	25.01	5.97	6.58	12.55	10.99	36.00	25.01
	36	-	19.347	0.80	0.86	1.66	2.20	27.26	25.06	6.00	6.43	12.42	10.94	36.00	25.06

			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	0	0.00	-12.57	0.90	10.07	8.74	-1.60	7.14	-12.43	1.00	10.07	8.74	-1.36	7.38
	18	0.00	-12.63	0.90	10.07	8.74	-1.66	7.08	-12.25	1.00	10.07	8.74	-1.18	7.56
	36	0.00	-12.58	0.90	10.07	8.74	-1.61	7.13	-12.32	1.00	10.07	8.74	-1.25	7.49
5290	0	0.00	-12.46	0.90	10.07	8.74	-1.49	7.25	-10.81	1.00	10.07	8.74	0.26	9.00
	18	0.00	-12.40	0.90	10.07	8.74	-1.43	7.31	-10.92	1.00	10.07	8.74	0.15	8.89
	36	0.00	-12.25	0.90	10.07	8.74	-1.28	7.46	-11.11	1.00	10.07	8.74	-0.04	8.70
5530	0	0.00	-10.91	1.00	10.07	8.74	0.16	8.90	-11.87	1.10	10.07	8.74	-0.70	8.04
	18	0.00	-10.62	1.00	10.07	8.74	0.45	9.19	-11.76	1.10	10.07	8.74	-0.59	8.15
	36	0.00	-10.49	1.00	10.07	8.74	0.58	9.32	-11.68	1.10	10.07	8.74	-0.51	8.23
5610	0	0.00	-11.12	1.00	10.07	8.74	-0.05	8.69	-11.70	1.10	10.07	8.74	-0.53	8.21
	18	0.00	-10.84	1.00	10.07	8.74	0.23	8.97	-11.83	1.10	10.07	8.74	-0.66	8.08
	36	0.00	-10.79	1.00	10.07	8.74	0.28	9.02	-11.87	1.10	10.07	8.74	-0.70	8.04
5690	0	0.00	-12.05	1.00	10.08	8.74	-0.97	7.77	-11.58	1.10	10.08	8.74	-0.40	8.34
	18	0.00	-11.72	1.00	10.08	8.74	-0.64	8.10	-11.43	1.10	10.08	8.74	-0.25	8.49
	36	0.00	-11.97	1.00	10.08	8.74	-0.89	7.85	-11.34	1.10	10.08	8.74	-0.16	8.58
5775	0	0.00	-12.09	1.00	10.08	8.74	-1.01	7.73	-11.79	1.10	10.08	8.74	-0.61	8.13
	18	0.00	-12.06	1.00	10.08	8.74	-0.98	7.76	-11.74	1.10	10.08	8.74	-0.56	8.18
	36	0.00	-12.04	1.00	10.08	8.74	-0.96	7.78	-11.84	1.10	10.08	8.74	-0.66	8.08

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-80 OFDMA (52-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	37	-	20.151	1.27	1.49	2.76	4.41	21.23	16.82	9.53	11.12	20.65	13.15	29.97	16.82
	44	-	26.629	1.30	1.50	2.80	4.47	21.23	16.76	9.71	11.22	20.93	13.21	29.97	16.76
	52	-	19.286	1.33	1.51	2.84	4.53	21.23	16.70	9.95	11.30	21.25	13.27	29.97	16.70
5290	37	20.382	20.129	1.39	2.09	3.48	5.42	21.23	15.81	10.42	15.63	26.05	14.16	29.97	15.81
	44	24.112	26.096	1.47	2.10	3.57	5.53	21.23	15.70	11.02	15.70	26.72	14.27	29.97	15.70
	52	20.243	19.360	1.51	2.04	3.55	5.50	21.23	15.73	11.30	15.28	26.57	14.24	29.97	15.73
5530	37	21.181	19.983	2.07	1.68	3.75	5.74	21.23	15.49	15.49	12.59	28.08	14.48	29.97	15.49
	44	25.667	27.176	2.12	1.69	3.82	5.82	21.23	15.41	15.89	12.68	28.56	14.56	29.97	15.41
	52	20.168	19.253	2.21	1.76	3.97	5.99	21.23	15.24	16.52	13.18	29.70	14.73	29.97	15.24
5610	37	20.914	19.980	1.93	1.40	3.32	5.22	21.23	16.01	14.42	10.45	24.87	13.96	29.97	16.01
	44	25.354	27.431	1.99	1.46	3.45	5.38	21.23	15.85	14.89	10.91	25.81	14.12	29.97	15.85
	52	20.139	19.190	2.01	1.55	3.55	5.51	21.23	15.72	15.03	11.56	26.59	14.25	29.97	15.72
5690	37	20.826	19.966	1.57	1.78	3.35	5.24	21.23	15.99	11.72	13.30	25.03	13.98	29.97	15.99
	44	25.621	26.403	1.54	1.87	3.41	5.33	21.23	15.90	11.51	14.00	25.50	14.07	29.97	15.90
	52	20.154	19.222	1.62	1.88	3.50	5.44	21.23	15.79	12.11	14.06	26.17	14.18	29.97	15.79
5775	37	-	20.032	1.58	1.80	3.38	5.29	27.26	21.97	11.86	13.46	25.32	14.03	36.00	21.97
	44	-	27.286	1.59	1.84	3.43	5.35	27.26	21.91	11.89	13.74	25.63	14.09	36.00	21.91
	52	-	19.236	1.64	1.79	3.43	5.35	27.26	21.91	12.25	13.40	25.64	14.09	36.00	21.91

			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	37	0.00	-9.92	0.90	10.07	8.74	1.05	9.79	-9.35	1.00	10.07	8.74	1.72	10.46
	44	0.00	-9.84	0.90	10.07	8.74	1.13	9.87	-9.31	1.00	10.07	8.74	1.76	10.50
	52	0.00	-9.73	0.90	10.07	8.74	1.24	9.98	-9.28	1.00	10.07	8.74	1.79	10.53
5290	37	0.00	-9.53	0.90	10.07	8.74	1.44	10.18	-7.87	1.00	10.07	8.74	3.20	11.94
	44	0.00	-9.29	0.90	10.07	8.74	1.68	10.42	-7.85	1.00	10.07	8.74	3.22	11.96
	52	0.00	-9.18	0.90	10.07	8.74	1.79	10.53	-7.97	1.00	10.07	8.74	3.10	11.84
5530	37	0.00	-7.91	1.00	10.07	8.74	3.16	11.90	-8.91	1.10	10.07	8.74	2.26	11.00
	44	0.00	-7.80	1.00	10.07	8.74	3.27	12.01	-8.88	1.10	10.07	8.74	2.29	11.03
	52	0.00	-7.63	1.00	10.07	8.74	3.44	12.18	-8.71	1.10	10.07	8.74	2.46	11.20
5610	37	0.00	-8.22	1.00	10.07	8.74	2.85	11.59	-9.72	1.10	10.07	8.74	1.45	10.19
	44	0.00	-8.08	1.00	10.07	8.74	2.99	11.73	-9.53	1.10	10.07	8.74	1.64	10.38
	52	0.00	-8.04	1.00	10.07	8.74	3.03	11.77	-9.28	1.10	10.07	8.74	1.89	10.63
5690	37	0.00	-9.13	1.00	10.08	8.74	1.95	10.69	-8.68	1.10	10.08	8.74	2.50	11.24
	44	0.00	-9.21	1.00	10.08	8.74	1.87	10.61	-8.46	1.10	10.08	8.74	2.72	11.46
	52	0.00	-8.99	1.00	10.08	8.74	2.09	10.83	-8.44	1.10	10.08	8.74	2.74	11.48
5775	37	0.00	-9.08	1.00	10.08	8.74	2.00	10.74	-8.63	1.10	10.08	8.74	2.55	11.29
	44	0.00	-9.07	1.00	10.08	8.74	2.01	10.75	-8.54	1.10	10.08	8.74	2.64	11.38
	52	0.00	-8.94	1.00	10.08	8.74	2.14	10.88	-8.65	1.10	10.08	8.74	2.53	11.27

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-80 OFDMA (106-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	53	-	19.978	2.59	2.91	5.50	7.41	21.23	13.82	19.41	21.78	41.19	16.15	29.97	13.82
	56	-	23.688	2.52	3.03	5.55	7.44	21.23	13.79	18.88	22.65	41.53	16.18	29.97	13.79
	60	-	19.244	2.46	3.05	5.51	7.41	21.23	13.82	18.41	22.80	41.21	16.15	29.97	13.82
5290	53	21.183	20.008	2.88	4.38	7.25	8.60	21.23	12.63	21.53	32.73	54.26	17.34	29.97	12.63
	56	26.366	24.556	2.92	4.32	7.23	8.59	21.23	12.64	21.83	32.28	54.11	17.33	29.97	12.64
	60	20.701	19.167	3.08	4.22	7.29	8.63	21.23	12.60	23.01	31.55	54.56	17.37	29.97	12.60
5530	53	22.233	19.905	4.12	3.37	7.49	8.74	21.23	12.49	30.83	25.18	56.01	17.48	29.97	12.49
	56	26.278	24.032	4.14	3.55	7.69	8.86	21.23	12.37	30.97	26.55	57.52	17.60	29.97	12.37
	60	21.318	19.170	4.45	3.57	8.02	9.04	21.23	12.19	33.27	26.73	60.00	17.78	29.97	12.19
5610	53	21.712	19.635	3.92	2.76	6.68	8.25	21.23	12.98	29.31	20.65	49.96	16.99	29.97	12.98
	56	25.661	24.107	4.03	2.79	6.81	8.33	21.23	12.90	30.13	20.84	50.97	17.07	29.97	12.90
	60	20.718	19.082	4.08	2.93	7.01	8.46	21.23	12.77	30.55	21.93	52.48	17.20	29.97	12.77
5690	53	22.203	19.981	3.13	3.78	6.91	8.39	21.23	12.84	23.44	28.25	51.69	17.13	29.97	12.84
	56	27.417	23.734	3.25	3.85	7.10	8.51	21.23	12.72	24.32	28.77	53.10	17.25	29.97	12.72
	60	20.482	19.124	3.30	3.87	7.17	8.55	21.23	12.68	24.66	28.97	53.63	17.29	29.97	12.68
5775	53	-	19.572	3.21	3.47	6.68	8.25	27.26	19.01	24.04	25.94	49.99	16.99	36.00	19.01
	56	-	24.291	3.29	3.48	6.77	8.31	27.26	18.95	24.60	26.06	50.67	17.05	36.00	18.95
	60	-	19.129	3.31	3.53	6.84	8.35	27.26	18.91	24.77	26.42	51.20	17.09	36.00	18.91

			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	53	0.00	-6.83	0.90	10.07	8.74	4.14	12.88	-6.43	1.00	10.07	8.74	4.64	13.38
	56	0.00	-6.95	0.90	10.07	8.74	4.02	12.76	-6.26	1.00	10.07	8.74	4.81	13.55
	60	0.00	-7.06	0.90	10.07	8.74	3.91	12.65	-6.23	1.00	10.07	8.74	4.84	13.58
5290	53	0.00	-6.38	0.90	10.07	8.74	4.59	13.33	-4.66	1.00	10.07	8.74	6.41	15.15
	56	0.00	-6.32	0.90	10.07	8.74	4.65	13.39	-4.72	1.00	10.07	8.74	6.35	15.09
	60	0.00	-6.09	0.90	10.07	8.74	4.88	13.62	-4.82	1.00	10.07	8.74	6.25	14.99
5530	53	0.00	-4.92	1.00	10.07	8.74	6.15	14.89	-5.90	1.10	10.07	8.74	5.27	14.01
	56	0.00	-4.90	1.00	10.07	8.74	6.17	14.91	-5.67	1.10	10.07	8.74	5.50	14.24
	60	0.00	-4.59	1.00	10.07	8.74	6.48	15.22	-5.64	1.10	10.07	8.74	5.53	14.27
5610	53	0.00	-5.14	1.00	10.07	8.74	5.93	14.67	-6.76	1.10	10.07	8.74	4.41	13.15
	56	0.00	-5.02	1.00	10.07	8.74	6.05	14.79	-6.72	1.10	10.07	8.74	4.45	13.19
	60	0.00	-4.96	1.00	10.07	8.74	6.11	14.85	-6.50	1.10	10.07	8.74	4.67	13.41
5690	53	0.00	-6.12	1.00	10.08	8.74	4.96	13.70	-5.41	1.10	10.08	8.74	5.77	14.51
	56	0.00	-5.96	1.00	10.08	8.74	5.12	13.86	-5.33	1.10	10.08	8.74	5.85	14.59
	60	0.00	-5.90	1.00	10.08	8.74	5.18	13.92	-5.30	1.10	10.08	8.74	5.88	14.62
5775	53	0.00	-6.01	1.00	10.08	8.74	5.07	13.81	-5.78	1.10	10.08	8.74	5.40	14.14
	56	0.00	-5.91	1.00	10.08	8.74	5.17	13.91	-5.76	1.10	10.08	8.74	5.42	14.16
	60	0.00	-5.88	1.00	10.08	8.74	5.20	13.94	-5.70	1.10	10.08	8.74	5.48	14.22

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-80 OFDMA (242-tone RU)

Antenna 1+3

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	61	-	23.096	4.66	5.57	10.23	10.10	21.23	11.13	34.83	41.69	76.52	18.84	29.97	11.13
	62	-	40.994	4.63	5.66	10.30	10.13	21.23	11.10	34.67	42.36	77.04	18.87	29.97	11.10
	64	-	22.320	4.57	5.64	10.21	10.09	21.23	11.14	34.20	42.17	76.37	18.83	29.97	11.14
5290	61	28.165	22.396	5.92	8.28	14.20	11.52	21.23	9.71	44.26	61.94	106.20	20.26	29.97	9.71
	62	48.077	41.256	5.65	8.59	14.24	11.53	21.23	9.70	42.27	64.27	106.54	20.27	29.97	9.70
	64	26.645	22.362	5.97	8.13	14.10	11.49	21.23	9.74	44.67	60.81	105.48	20.23	29.97	9.74
5530	61	30.249	22.519	8.49	6.30	14.79	11.70	21.23	9.53	63.53	47.10	110.63	20.44	29.97	9.53
	62	51.193	41.904	8.47	6.27	14.74	11.68	21.23	9.55	63.39	46.88	110.27	20.42	29.97	9.55
	64	28.646	22.564	8.63	6.18	14.81	11.71	21.23	9.52	64.57	46.24	110.80	20.45	29.97	9.52
5610	61	28.146	22.399	7.71	5.53	13.24	11.22	21.23	10.01	57.68	41.40	99.08	19.96	29.97	10.01
	62	43.721	40.435	7.91	5.77	13.67	11.36	21.23	9.87	59.16	43.15	102.31	20.10	29.97	9.87
	64	28.675	22.242	7.98	5.66	13.64	11.35	21.23	9.88	59.70	42.36	102.07	20.09	29.97	9.88
5690	61	29.877	22.640	6.43	7.60	14.03	11.47	21.23	9.76	48.08	56.89	104.97	20.21	29.97	9.76
	62	45.068	41.282	6.53	7.31	13.84	11.41	21.23	9.82	48.87	54.70	103.57	20.15	29.97	9.82
	64	29.347	22.256	6.68	7.18	13.86	11.42	21.23	9.81	50.00	53.70	103.71	20.16	29.97	9.81
5775	61	-	22.363	6.68	7.01	13.70	11.37	27.26	15.89	50.00	52.48	102.48	20.11	36.00	15.89
	62	-	40.568	6.55	7.08	13.63	11.34	27.26	15.92	48.98	52.97	101.94	20.08	36.00	15.92
	64	-	22.526	6.67	7.24	13.91	11.43	27.26	15.83	49.89	54.20	104.09	20.17	36.00	15.83

Tested Frequency	RU Index	Duty Factor	**Antenna 1** Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.	**Antenna 3** Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result Cond. Power	Result e.i.r.p.
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	61	0.00	-4.29	0.90	10.07	8.74	6.68	15.42	-3.61	1.00	10.07	8.74	7.46	16.20
	62	0.00	-4.31	0.90	10.07	8.74	6.66	15.40	-3.54	1.00	10.07	8.74	7.53	16.27
	64	0.00	-4.37	0.90	10.07	8.74	6.60	15.34	-3.56	1.00	10.07	8.74	7.51	16.25
5290	61	0.00	-3.25	0.90	10.07	8.74	7.72	16.46	-1.89	1.00	10.07	8.74	9.18	17.92
	62	0.00	-3.45	0.90	10.07	8.74	7.52	16.26	-1.73	1.00	10.07	8.74	9.34	18.08
	64	0.00	-3.21	0.90	10.07	8.74	7.76	16.50	-1.97	1.00	10.07	8.74	9.10	17.84
5530	61	0.00	-1.78	1.00	10.07	8.74	9.29	18.03	-3.18	1.10	10.07	8.74	7.99	16.73
	62	0.00	-1.79	1.00	10.07	8.74	9.28	18.02	-3.20	1.10	10.07	8.74	7.97	16.71
	64	0.00	-1.71	1.00	10.07	8.74	9.36	18.10	-3.26	1.10	10.07	8.74	7.91	16.65
5610	61	0.00	-2.20	1.00	10.07	8.74	8.87	17.61	-3.74	1.10	10.07	8.74	7.43	16.17
	62	0.00	-2.09	1.00	10.07	8.74	8.98	17.72	-3.56	1.10	10.07	8.74	7.61	16.35
	64	0.00	-2.05	1.00	10.07	8.74	9.02	17.76	-3.64	1.10	10.07	8.74	7.53	16.27
5690	61	0.00	-3.00	1.00	10.08	8.74	8.08	16.82	-2.37	1.10	10.08	8.74	8.81	17.55
	62	0.00	-2.93	1.00	10.08	8.74	8.15	16.89	-2.54	1.10	10.08	8.74	8.64	17.38
	64	0.00	-2.83	1.00	10.08	8.74	8.25	16.99	-2.62	1.10	10.08	8.74	8.56	17.30
5775	61	0.00	-2.83	1.00	10.08	8.74	8.25	16.99	-2.72	1.10	10.08	8.74	8.46	17.20
	62	0.00	-2.92	1.00	10.08	8.74	8.16	16.90	-2.68	1.10	10.08	8.74	8.50	17.24
	64	0.00	-2.84	1.00	10.08	8.74	8.24	16.98	-2.58	1.10	10.08	8.74	8.60	17.34

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 test was performed with Gate function.

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-80 OFDMA (484-tone RU)

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

Tested Frequency	RU Index	26 dB EBW (B for FCC)	99% OBW (B for IC)	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				1	3	Sum				1	3	Sum			
[MHz]		[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	65	-	67.605	4.40	5.90	10.30	10.13	21.23	11.10	32.89	44.16	77.04	18.87	29.97	11.10
	66	-	60.259	4.59	5.73	10.32	10.14	21.23	11.09	34.36	42.85	77.21	18.88	29.97	11.09
5290	65	79.638	62.445	5.77	8.34	14.10	11.49	21.23	9.74	43.15	62.37	105.53	20.23	29.97	9.74
	66	79.852	60.521	6.07	8.13	14.20	11.52	21.23	9.71	45.39	60.81	106.21	20.26	29.97	9.71
5530	65	79.696	67.637	8.30	6.34	14.64	11.65	21.23	9.58	62.09	47.42	109.51	20.39	29.97	9.58
	66	79.653	61.590	8.59	6.18	14.77	11.69	21.23	9.54	64.27	46.24	110.51	20.43	29.97	9.54
5610	65	80.012	63.735	7.74	5.61	13.36	11.26	21.23	9.97	57.94	41.98	99.92	20.00	29.97	9.97
	66	79.840	60.567	7.93	5.53	13.46	11.29	21.23	9.94	59.29	41.40	100.69	20.03	29.97	9.94
5690	65	79.742	65.023	6.75	7.16	13.91	11.43	21.23	9.80	50.47	53.58	104.05	20.17	29.97	9.80
	66	79.943	67.731	6.90	6.97	13.87	11.42	21.23	9.81	51.64	52.12	103.76	20.16	29.97	9.81
5775	65	-	66.158	7.05	6.84	13.89	11.43	27.26	15.83	52.72	51.17	103.89	20.17	36.00	15.83
	66	-	66.213	7.08	6.92	14.00	11.46	27.26	15.80	52.97	51.76	104.73	20.20	36.00	15.80

			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	-4.54	0.90	10.07	8.74	6.43	15.17	-3.36	1.00	10.07	8.74	7.71	16.45
	66	0.00	-4.35	0.90	10.07	8.74	6.62	15.36	-3.49	1.00	10.07	8.74	7.58	16.32
5290	65	0.00	-3.36	0.90	10.07	8.74	7.61	16.35	-1.86	1.00	10.07	8.74	9.21	17.95
	66	0.00	-3.14	0.90	10.07	8.74	7.83	16.57	-1.97	1.00	10.07	8.74	9.10	17.84
5530	65	0.00	-1.88	1.00	10.07	8.74	9.19	17.93	-3.15	1.10	10.07	8.74	8.02	16.76
	66	0.00	-1.73	1.00	10.07	8.74	9.34	18.08	-3.26	1.10	10.07	8.74	7.91	16.65
5610	65	0.00	-2.18	1.00	10.07	8.74	8.89	17.63	-3.68	1.10	10.07	8.74	7.49	16.23
	66	0.00	-2.08	1.00	10.07	8.74	8.99	17.73	-3.74	1.10	10.07	8.74	7.43	16.17
5690	65	0.00	-2.79	1.00	10.08	8.74	8.29	17.03	-2.63	1.10	10.08	8.74	8.55	17.29
	66	0.00	-2.69	1.00	10.08	8.74	8.39	17.13	-2.75	1.10	10.08	8.74	8.43	17.17
5775	65	0.00	-2.60	1.00	10.08	8.74	8.48	17.22	-2.83	1.10	10.08	8.74	8.35	17.09
	66	0.00	-2.58	1.00	10.08	8.74	8.50	17.24	-2.78	1.10	10.08	8.74	8.40	17.14

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-80 OFDMA (996-tone RU)

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

Tested	26 dB	99%	Conducted power						e.i.r.p.					
Frequency	EBW	OBW	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	(B for FCC)	(B for IC)	1	3	Sum				1	3	Sum			
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	-	76.802	4.59	5.61	10.20	10.09	21.23	11.14	34.36	41.98	76.33	18.83	29.97	11.14
5290	79.745	76.548	6.00	8.11	14.11	11.49	21.23	9.74	44.87	60.67	105.55	20.23	29.97	9.74
5530	80.130	76.768	8.45	6.25	14.70	11.67	21.23	9.56	63.24	46.77	110.01	20.41	29.97	9.56
5610	80.084	76.802	7.64	5.40	13.03	11.15	21.23	10.08	57.15	40.36	97.51	19.89	29.97	10.08
5690	79.820	76.758	6.61	7.19	13.80	11.40	21.23	9.83	49.43	53.83	103.26	20.14	29.97	9.83
5775	-	76.971	6.85	6.98	13.84	11.41	27.26	15.85	51.29	52.24	103.53	20.15	36.00	15.85

		Antenna 1						**Antenna 3**					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
		Reading				Power		Reading				Power	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5210	0.00	-4.35	0.90	10.07	8.74	6.62	15.36	-3.58	1.00	10.07	8.74	7.49	16.23
5290	0.00	-3.19	0.90	10.07	8.74	7.78	16.52	-1.98	1.00	10.07	8.74	9.09	17.83
5530	0.00	-1.80	1.00	10.07	8.74	9.27	18.01	-3.21	1.10	10.07	8.74	7.96	16.70
5610	0.00	-2.24	1.00	10.07	8.74	8.83	17.57	-3.85	1.10	10.07	8.74	7.32	16.06
5690	0.00	-2.88	1.00	10.08	8.74	8.20	16.94	-2.61	1.10	10.08	8.74	8.57	17.31
5775	0.00	-2.72	1.00	10.08	8.74	8.36	17.10	-2.74	1.10	10.08	8.74	8.44	17.18

Sample Calculation:
Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W

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

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11a

5500 MHz

mode	Rate	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
	[Mbps]	[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11a	6	10.00	10.000	8.56	7.178	12.35	17.178	*
	9	9.98	9.954	8.56	7.178	12.34	17.132	
	12	9.96	9.908	8.54	7.145	12.32	17.053	
	18	9.96	9.908	8.55	7.161	12.32	17.070	
	24	9.94	9.863	8.57	7.194	12.32	17.057	
	36	9.89	9.750	8.43	6.966	12.23	16.716	
	48	9.86	9.683	8.50	7.079	12.24	16.762	
	54	9.89	9.750	8.46	7.015	12.24	16.764	

*: Worst Rate

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

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11n-20

5500 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11n-20	0	9.98	9.954	8.65	7.328	12.38	17.282	*
	1	9.91	9.795	8.73	7.464	12.37	17.259	
	2	9.99	9.977	8.50	7.079	12.32	17.056	
	3	9.86	9.683	8.45	6.998	12.22	16.681	
	4	9.91	9.795	8.46	7.015	12.26	16.809	
	5	9.92	9.817	8.37	6.871	12.22	16.688	
	6	9.98	9.954	8.48	7.047	12.30	17.001	
	7	9.89	9.750	8.43	6.966	12.23	16.716	
	8	9.81	9.572	8.41	6.934	12.18	16.506	
	9	9.87	9.705	8.36	6.855	12.19	16.560	
	10	9.88	9.727	8.42	6.950	12.22	16.678	
	11	9.93	9.840	8.59	7.228	12.32	17.068	
	12	9.91	9.795	8.37	6.871	12.22	16.666	
	13	9.91	9.795	8.42	6.950	12.24	16.745	
	14	9.87	9.705	8.41	6.934	12.21	16.639	
	15	9.85	9.661	8.30	6.761	12.15	16.421	

*: Worst Rate

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

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-20

5500 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-20 1TX	0	10.00	10.000	8.63	7.295	12.38	17.295	*
	1	9.95	9.886	8.69	7.396	12.38	17.282	
	2	9.98	9.954	8.51	7.096	12.32	17.050	
	3	9.98	9.954	8.50	7.079	12.31	17.034	
	4	9.96	9.908	8.51	7.096	12.31	17.004	
	5	9.96	9.908	8.44	6.982	12.28	16.891	
	6	9.94	9.863	8.50	7.079	12.29	16.942	
	7	9.93	9.840	8.46	7.015	12.27	16.855	
	8	9.95	9.886	8.43	6.966	12.27	16.852	
11ac-20 2TX	0	9.99	9.977	8.50	7.079	12.32	17.056	
	1	9.91	9.795	8.59	7.228	12.31	17.023	
	2	9.95	9.886	8.39	6.902	12.25	16.788	
	3	9.97	9.931	8.67	7.362	12.38	17.293	
	4	9.92	9.817	8.43	6.966	12.25	16.784	
	5	9.94	9.863	8.43	6.966	12.26	16.829	
	6	9.95	9.886	8.48	7.047	12.29	16.932	
	7	9.88	9.727	8.52	7.112	12.26	16.840	
	8	9.95	9.886	8.42	6.950	12.26	16.836	

*: Worst Rate

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

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-20 (OFDM)

5500 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ax-20 1TX	0	10.22	10.520	8.64	7.311	12.51	17.831	*
	1	10.13	10.304	8.66	7.345	12.47	17.649	
	2	10.21	10.495	8.62	7.278	12.50	17.773	
	3	10.12	10.280	8.59	7.228	12.43	17.508	
	4	10.17	10.399	8.56	7.178	12.45	17.577	
	5	10.17	10.399	8.60	7.244	12.47	17.644	
	6	10.11	10.257	8.57	7.194	12.42	17.451	
	7	10.11	10.257	8.48	7.047	12.38	17.303	
	8	10.19	10.447	8.64	7.311	12.49	17.759	
	9	10.27	10.641	8.56	7.178	12.51	17.819	
	10	9.80	9.550	8.51	7.096	12.21	16.646	
	11	9.87	9.705	8.54	7.145	12.27	16.850	
11ax-20 2TX	0	10.24	10.568	8.55	7.161	12.49	17.730	
	1	10.18	10.423	8.58	7.211	12.46	17.634	
	2	10.21	10.495	8.52	7.112	12.46	17.608	
	3	10.13	10.304	8.51	7.096	12.41	17.400	
	4	10.22	10.520	8.53	7.129	12.47	17.648	
	5	10.19	10.447	8.58	7.211	12.47	17.658	
	6	10.12	10.280	8.60	7.244	12.44	17.525	
	7	10.13	10.304	8.47	7.031	12.39	17.335	
	8	10.16	10.375	8.57	7.194	12.45	17.570	
	9	10.16	10.375	8.53	7.129	12.43	17.504	
	10	9.80	9.550	8.45	6.998	12.19	16.548	
	11	9.83	9.616	8.50	7.079	12.23	16.696	

*: Worst Rate

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

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11n-40

5510 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11n-40	0	9.71	9.354	8.61	7.261	12.21	16.615	*
	1	9.64	9.204	8.46	7.015	12.10	16.219	
	2	9.65	9.226	8.55	7.161	12.15	16.387	
	3	9.68	9.290	8.60	7.244	12.18	16.534	
	4	9.66	9.247	8.55	7.161	12.15	16.408	
	5	9.64	9.204	8.43	6.966	12.09	16.171	
	6	9.67	9.268	8.55	7.161	12.16	16.430	
	7	9.66	9.247	8.49	7.063	12.12	16.310	
	8	9.66	9.247	8.54	7.145	12.15	16.392	
	9	9.67	9.268	8.59	7.228	12.17	16.496	
	10	9.61	9.141	8.45	6.998	12.08	16.140	
	11	9.69	9.311	8.54	7.145	12.16	16.456	
	12	9.59	9.099	8.46	7.015	12.07	16.114	
	13	9.55	9.016	8.42	6.950	12.03	15.966	
	14	9.62	9.162	8.31	6.776	12.02	15.939	
	15	9.58	9.078	8.32	6.792	12.01	15.870	

*: Worst Rate

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

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-40

5510 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-40 1TX	0	9.70	9.333	8.66	7.345	12.22	16.678	*
	1	9.68	9.290	8.56	7.178	12.17	16.468	
	2	9.70	9.333	8.53	7.129	12.16	16.461	
	3	9.70	9.333	8.62	7.278	12.20	16.610	
	4	9.70	9.333	8.50	7.079	12.15	16.412	
	5	9.74	9.419	8.48	7.047	12.17	16.466	
	6	9.76	9.462	8.48	7.047	12.18	16.509	
	7	9.63	9.183	8.45	6.998	12.09	16.182	
	8	9.66	9.247	8.27	6.714	12.03	15.961	
	9	9.53	8.974	8.37	6.871	12.00	15.845	
11ac-40 2TX	0	9.71	9.354	8.62	7.278	12.21	16.632	
	1	9.68	9.290	8.56	7.178	12.17	16.468	
	2	9.63	9.183	8.42	6.950	12.08	16.134	
	3	9.69	9.311	8.55	7.161	12.17	16.473	
	4	9.61	9.141	8.48	7.047	12.09	16.188	
	5	9.57	9.057	8.46	7.015	12.06	16.072	
	6	9.57	9.057	8.42	6.950	12.04	16.008	
	7	9.56	9.036	8.47	7.031	12.06	16.067	
	8	9.37	8.650	8.19	6.592	11.83	15.241	
	9	9.43	8.770	8.23	6.653	11.88	15.423	

*: Worst Rate

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

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-40 (OFDM)

5510 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ax-40 1TX	0	9.91	9.795	8.78	7.551	12.39	17.346	*
	1	9.89	9.750	8.74	7.482	12.36	17.232	
	2	9.86	9.683	8.75	7.499	12.35	17.182	
	3	9.88	9.727	8.68	7.379	12.33	17.107	
	4	9.86	9.683	8.81	7.603	12.38	17.286	
	5	9.93	9.840	8.70	7.413	12.37	17.253	
	6	9.87	9.705	8.83	7.638	12.39	17.343	
	7	9.90	9.772	8.65	7.328	12.33	17.101	
	8	9.73	9.397	8.59	7.228	12.21	16.625	
	9	9.74	9.419	8.64	7.311	12.24	16.730	
	10	9.29	8.492	8.49	7.063	11.92	15.555	
	11	9.34	8.590	8.51	7.096	11.96	15.686	
11ax-40 2TX	0	9.90	9.772	8.72	7.447	12.36	17.220	
	1	9.92	9.817	8.76	7.516	12.39	17.334	
	2	9.91	9.795	8.76	7.516	12.38	17.311	
	3	9.97	9.931	8.70	7.413	12.39	17.344	
	4	9.88	9.727	8.69	7.396	12.34	17.124	
	5	9.89	9.750	8.75	7.499	12.37	17.249	
	6	9.87	9.705	8.77	7.534	12.37	17.239	
	7	9.89	9.750	8.64	7.311	12.32	17.061	
	8	9.77	9.484	8.56	7.178	12.22	16.662	
	9	9.77	9.484	8.55	7.161	12.21	16.646	
	10	9.36	8.630	8.60	7.244	12.01	15.874	
	11	9.35	8.610	8.56	7.178	11.98	15.788	

*: Worst Rate

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

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ac-80

5530 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ac-80 1TX	0	9.56	9.036	8.14	6.516	11.92	15.553	*
	1	9.52	8.954	7.99	6.295	11.83	15.249	
	2	9.56	9.036	8.13	6.501	11.91	15.538	
	3	9.57	9.057	8.11	6.471	11.91	15.529	
	4	9.61	9.141	8.05	6.383	11.91	15.524	
	5	9.62	9.162	7.95	6.237	11.88	15.400	
	6	9.59	9.099	8.04	6.368	11.89	15.467	
	7	9.49	8.892	7.98	6.281	11.81	15.173	
	8	9.45	8.810	7.92	6.194	11.76	15.005	
	9	9.44	8.790	7.91	6.180	11.75	14.970	
11ac-80 2TX	0	9.50	8.913	8.01	6.324	11.83	15.237	
	1	9.51	8.933	7.96	6.252	11.81	15.185	
	2	9.49	8.892	7.97	6.266	11.81	15.158	
	3	9.50	8.913	8.01	6.324	11.83	15.237	
	4	9.47	8.851	7.89	6.152	11.76	15.003	
	5	9.42	8.750	7.96	6.252	11.76	15.002	
	6	9.45	8.810	7.94	6.223	11.77	15.033	
	7	9.50	8.913	7.92	6.194	11.79	15.107	
	8	9.48	8.872	7.81	6.039	11.74	14.911	
	9	9.44	8.790	7.87	6.124	11.74	14.914	

*: Worst Rate

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

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Maximum Conducted Output Power
(Rate Check)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 21, 2022
Temperature / Humidity	22 deg. C / 38 % RH
Engineer	Takafumi Noguchi
Mode	Tx 11ax-80 (OFDM)

5530 MHz

mode	MCS Number	Antenna 1 Reading Average		Antenna 3 Reading Average		Total Reading Average		Remark
		[dBm]	[mW]	[dBm]	[mW]	[dBm]	[mW]	
11ax-80 1TX	0	9.94	9.863	8.35	6.839	12.23	16.702	*
	1	9.86	9.683	8.22	6.637	12.13	16.320	
	2	9.89	9.750	8.35	6.839	12.20	16.589	
	3	9.84	9.638	8.30	6.761	12.15	16.399	
	4	9.82	9.594	8.29	6.745	12.13	16.339	
	5	9.85	9.661	8.28	6.730	12.15	16.390	
	6	9.81	9.572	8.28	6.730	12.12	16.302	
	7	9.82	9.594	8.36	6.855	12.16	16.449	
	8	9.75	9.441	8.22	6.637	12.06	16.078	
	9	9.82	9.594	8.25	6.683	12.12	16.277	
	10	9.32	8.551	8.13	6.501	11.78	15.052	
	11	9.33	8.570	8.13	6.501	11.78	15.072	
11ax-80 2TX	0	9.90	9.772	8.38	6.887	12.22	16.659	
	1	9.92	9.817	8.37	6.871	12.22	16.688	
	2	9.86	9.683	8.28	6.730	12.15	16.413	
	3	9.91	9.795	8.39	6.902	12.23	16.697	
	4	9.81	9.572	8.30	6.761	12.13	16.333	
	5	9.85	9.661	8.23	6.653	12.13	16.313	
	6	9.81	9.572	8.26	6.699	12.11	16.271	
	7	9.87	9.705	8.29	6.745	12.16	16.450	
	8	9.79	9.528	8.25	6.683	12.10	16.211	
	9	9.82	9.594	8.36	6.855	12.16	16.449	
	10	9.31	8.531	8.16	6.546	11.78	15.077	
	11	9.38	8.670	8.26	6.699	11.87	15.368	

*: Worst Rate

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

*Cable Loss and Attenuator Loss are include in the P/M(AV) Reading

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11a

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5180	-3.95	0.90	10.07	7.02	-3.47	1.00	10.07	7.60	5.04	5.75	10.79	10.33
5220	-3.94	0.90	10.07	7.03	-3.41	1.00	10.07	7.66	5.05	5.83	10.88	10.37
5240	-3.97	0.90	10.07	7.00	-3.40	1.00	10.07	7.67	5.01	5.85	10.86	10.36
5260	-2.90	0.90	10.07	8.07	-1.68	1.00	10.07	9.39	6.41	8.69	15.10	11.79
5300	-2.28	0.90	10.07	8.69	-2.00	1.00	10.07	9.07	7.40	8.07	15.47	11.89
5320	-2.22	0.90	10.07	8.75	-2.15	1.00	10.07	8.92	7.50	7.80	15.30	11.85
5500	-1.56	1.00	10.07	9.51	-2.97	1.10	10.07	8.20	8.93	6.61	15.54	11.91
5580	-1.61	1.00	10.07	9.46	-3.34	1.10	10.07	7.83	8.83	6.07	14.90	11.73
5700	-2.43	1.00	10.08	8.65	-2.36	1.10	10.08	8.82	7.33	7.62	14.95	11.75
5720	-2.39	1.00	10.08	8.69	-2.43	1.10	10.08	8.75	7.40	7.50	14.89	11.73
5745	-2.39	1.00	10.08	8.69	-2.49	1.10	10.08	8.69	7.40	7.40	14.79	11.70
5785	-2.40	1.00	10.08	8.68	-2.51	1.10	10.08	8.67	7.38	7.36	14.74	11.69
5825	-2.31	1.00	10.08	8.77	-2.55	1.10	10.08	8.63	7.53	7.29	14.83	11.71

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

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

Average Output Power
(Reference data for RF Exposure)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11n-20

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5180	-4.03	0.90	10.07	6.94	-3.10	1.00	10.07	7.97	4.94	6.27	11.21	10.50
5220	-4.00	0.90	10.07	6.97	-3.21	1.00	10.07	7.86	4.98	6.11	11.09	10.45
5240	-4.14	0.90	10.07	6.83	-3.29	1.00	10.07	7.78	4.82	6.00	10.82	10.34
5260	-3.02	0.90	10.07	7.95	-1.56	1.00	10.07	9.51	6.24	8.93	15.17	11.81
5300	-2.34	0.90	10.07	8.63	-1.89	1.00	10.07	9.18	7.29	8.28	15.57	11.92
5320	-2.32	0.90	10.07	8.65	-2.01	1.00	10.07	9.06	7.33	8.05	15.38	11.87
5500	-1.54	1.00	10.07	9.53	-2.96	1.10	10.07	8.21	8.97	6.62	15.60	11.93
5580	-1.64	1.00	10.07	9.43	-2.93	1.10	10.07	8.24	8.77	6.67	15.44	11.89
5700	-2.51	1.00	10.08	8.57	-2.20	1.10	10.08	8.98	7.19	7.91	15.10	11.79
5720	-2.38	1.00	10.08	8.70	-2.27	1.10	10.08	8.91	7.41	7.78	15.19	11.82
5745	-2.47	1.00	10.08	8.61	-2.30	1.10	10.08	8.88	7.26	7.73	14.99	11.76
5785	-2.44	1.00	10.08	8.64	-2.43	1.10	10.08	8.75	7.31	7.50	14.81	11.71
5825	-2.53	1.00	10.08	8.55	-2.53	1.10	10.08	8.65	7.16	7.33	14.49	11.61

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)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11ac-20

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5180	-3.89	0.90	10.07	7.08	-3.11	1.00	10.07	7.96	5.11	6.25	11.36	10.55
5220	-3.98	0.90	10.07	6.99	-3.19	1.00	10.07	7.88	5.00	6.14	11.14	10.47
5240	-3.95	0.90	10.07	7.02	-3.37	1.00	10.07	7.70	5.04	5.89	10.92	10.38
5260	-2.96	0.90	10.07	8.01	-1.57	1.00	10.07	9.50	6.32	8.91	15.24	11.83
5300	-2.44	0.90	10.07	8.53	-1.90	1.00	10.07	9.17	7.13	8.26	15.39	11.87
5320	-2.37	0.90	10.07	8.60	-1.97	1.00	10.07	9.10	7.24	8.13	15.37	11.87
5500	-1.51	1.00	10.07	9.56	-2.93	1.10	10.07	8.24	9.04	6.67	15.70	11.96
5580	-1.78	1.00	10.07	9.29	-2.18	1.10	10.07	8.99	8.49	7.93	16.42	12.15
5700	-2.61	1.00	10.08	8.47	-2.20	1.10	10.08	8.98	7.03	7.91	14.94	11.74
5720	-2.44	1.00	10.08	8.64	-2.22	1.10	10.08	8.96	7.31	7.87	15.18	11.81
5745	-2.44	1.00	10.08	8.64	-2.27	1.10	10.08	8.91	7.31	7.78	15.09	11.79
5785	-2.43	1.00	10.08	8.65	-2.41	1.10	10.08	8.77	7.33	7.53	14.86	11.72
5825	-2.34	1.00	10.08	8.74	-2.43	1.10	10.08	8.75	7.48	7.50	14.98	11.76

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)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-20 (OFDM)

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5180	-4.30	0.90	10.07	6.67	-3.52	1.00	10.07	7.55	4.65	5.69	10.33	10.14
5220	-4.18	0.90	10.07	6.79	-3.30	1.00	10.07	7.77	4.78	5.98	10.76	10.32
5240	-4.12	0.90	10.07	6.85	-3.50	1.00	10.07	7.57	4.84	5.71	10.56	10.24
5260	-3.12	0.90	10.07	7.85	-1.89	1.00	10.07	9.18	6.10	8.28	14.37	11.58
5300	-2.64	0.90	10.07	8.33	-2.19	1.00	10.07	8.88	6.81	7.73	14.53	11.62
5320	-2.58	0.90	10.07	8.39	-2.10	1.00	10.07	8.97	6.90	7.89	14.79	11.70
5500	-1.40	1.00	10.07	9.67	-2.62	1.10	10.07	8.55	9.27	7.16	16.43	12.16
5580	-1.68	1.00	10.07	9.39	-3.02	1.10	10.07	8.15	8.69	6.53	15.22	11.82
5700	-2.31	1.00	10.08	8.77	-2.50	1.10	10.08	8.68	7.53	7.38	14.91	11.74
5720	-2.31	1.00	10.08	8.77	-2.18	1.10	10.08	9.00	7.53	7.94	15.48	11.90
5745	-2.20	1.00	10.08	8.88	-2.55	1.10	10.08	8.63	7.73	7.29	15.02	11.77
5785	-2.11	1.00	10.08	8.97	-2.32	1.10	10.08	8.86	7.89	7.69	15.58	11.93
5825	-2.25	1.00	10.08	8.83	-2.48	1.10	10.08	8.70	7.64	7.41	15.05	11.78

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)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-20 OFDMA (242-tone RU)

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5180	-4.10	0.90	10.07	6.87	-3.39	1.00	10.07	7.68	4.86	5.86	10.73	10.30
5220	-4.21	0.90	10.07	6.76	-3.54	1.00	10.07	7.53	4.74	5.66	10.40	10.17
5240	-4.28	0.90	10.07	6.69	-3.49	1.00	10.07	7.58	4.67	5.73	10.39	10.17
5260	-3.38	0.90	10.07	7.59	-1.95	1.00	10.07	9.12	5.74	8.17	13.91	11.43
5300	-2.50	0.90	10.07	8.47	-2.20	1.00	10.07	8.87	7.03	7.71	14.74	11.68
5320	-2.41	0.90	10.07	8.56	-2.21	1.00	10.07	8.86	7.18	7.69	14.87	11.72
5500	-1.46	1.00	10.07	9.61	-3.13	1.10	10.07	8.04	9.14	6.37	15.51	11.91
5580	-1.76	1.00	10.07	9.31	-3.59	1.10	10.07	7.58	8.53	5.73	14.26	11.54
5700	-2.46	1.00	10.08	8.62	-2.43	1.10	10.08	8.75	7.28	7.50	14.78	11.70
5720	-2.51	1.00	10.08	8.57	-2.46	1.10	10.08	8.72	7.19	7.45	14.64	11.66
5745	-2.54	1.00	10.08	8.54	-2.66	1.10	10.08	8.52	7.14	7.11	14.26	11.54
5785	-2.40	1.00	10.08	8.68	-2.77	1.10	10.08	8.41	7.38	6.93	14.31	11.56
5825	-2.43	1.00	10.08	8.65	-2.93	1.10	10.08	8.25	7.33	6.68	14.01	11.46

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.
*) The test on 11ax-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)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11n-40

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average)			
									Antenna		Sum 1+3	
									1	3		
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5190	-4.15	0.90	10.07	6.82	-3.18	1.00	10.07	7.89	4.81	6.15	10.96	10.40
5230	-4.30	0.90	10.07	6.67	-3.28	1.00	10.07	7.79	4.65	6.01	10.66	10.28
5270	-3.21	0.90	10.07	7.76	-1.56	1.00	10.07	9.51	5.97	8.93	14.90	11.73
5310	-2.66	0.90	10.07	8.31	-1.98	1.00	10.07	9.09	6.78	8.11	14.89	11.73
5510	-1.74	1.00	10.07	9.33	-2.93	1.10	10.07	8.24	8.57	6.67	15.24	11.83
5550	-2.08	1.00	10.07	8.99	-3.39	1.10	10.07	7.78	7.93	6.00	13.92	11.44
5670	-2.90	1.00	10.08	8.18	-2.41	1.10	10.08	8.77	6.58	7.53	14.11	11.50
5710	-2.80	1.00	10.08	8.28	-2.22	1.10	10.08	8.96	6.73	7.87	14.60	11.64
5755	-2.71	1.00	10.08	8.37	-2.33	1.10	10.08	8.85	6.87	7.67	14.54	11.63
5795	-2.75	1.00	10.08	8.33	-2.43	1.10	10.08	8.75	6.81	7.50	14.31	11.56

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)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11ac-40

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average)			
									Antenna		Sum 1+3	
									1	3		
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5190	-4.38	0.90	10.07	6.59	-1.82	1.00	10.07	9.25	4.56	8.41	12.97	11.13
5230	-4.37	0.90	10.07	6.60	-1.84	1.00	10.07	9.23	4.57	8.38	12.95	11.12
5270	-3.26	0.90	10.07	7.71	-1.67	1.00	10.07	9.40	5.90	8.71	14.61	11.65
5310	-2.61	0.90	10.07	8.36	-1.94	1.00	10.07	9.13	6.85	8.18	15.04	11.77
5510	-1.82	1.00	10.07	9.25	-2.91	1.10	10.07	8.26	8.41	6.70	15.11	11.79
5550	-2.12	1.00	10.07	8.95	-3.53	1.10	10.07	7.64	7.85	5.81	13.66	11.35
5670	-2.79	1.00	10.08	8.29	-2.28	1.10	10.08	8.90	6.75	7.76	14.51	11.62
5710	-2.66	1.00	10.08	8.42	-2.33	1.10	10.08	8.85	6.95	7.67	14.62	11.65
5755	-2.65	1.00	10.08	8.43	-2.39	1.10	10.08	8.79	6.97	7.57	14.53	11.62
5795	-2.62	1.00	10.08	8.46	-2.59	1.10	10.08	8.59	7.01	7.23	14.24	11.54

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)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-40 (OFDM)

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5190	-4.02	0.90	10.07	6.95	-3.11	1.00	10.07	7.96	4.95	6.25	11.21	10.49
5230	-4.10	0.90	10.07	6.87	-3.06	1.00	10.07	8.01	4.86	6.32	11.19	10.49
5270	-3.05	0.90	10.07	7.92	-1.45	1.00	10.07	9.62	6.19	9.16	15.36	11.86
5310	-2.48	0.90	10.07	8.49	-1.66	1.00	10.07	9.41	7.06	8.73	15.79	11.98
5510	-1.67	1.00	10.07	9.40	-2.77	1.10	10.07	8.40	8.71	6.92	15.63	11.94
5550	-2.03	1.00	10.07	9.04	-3.21	1.10	10.07	7.96	8.02	6.25	14.27	11.54
5670	-2.65	1.00	10.08	8.43	-2.12	1.10	10.08	9.06	6.97	8.05	15.02	11.77
5710	-2.47	1.00	10.08	8.61	-2.18	1.10	10.08	9.00	7.26	7.94	15.20	11.82
5755	-2.58	1.00	10.08	8.50	-2.23	1.10	10.08	8.95	7.08	7.85	14.93	11.74
5795	-2.54	1.00	10.08	8.54	-2.12	1.10	10.08	9.06	7.14	8.05	15.20	11.82

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)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-40 OFDMA (484-tone RU)

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5190	-4.06	0.90	10.07	6.91	-3.13	1.00	10.07	7.94	4.91	6.22	11.13	10.47
5230	-4.22	0.90	10.07	6.75	-3.25	1.00	10.07	7.82	4.73	6.05	10.78	10.33
5270	-3.17	0.90	10.07	7.80	-1.49	1.00	10.07	9.58	6.03	9.08	15.10	11.79
5310	-2.59	0.90	10.07	8.38	-1.83	1.00	10.07	9.24	6.89	8.39	15.28	11.84
5510	-1.73	1.00	10.07	9.34	-2.82	1.10	10.07	8.35	8.59	6.84	15.43	11.88
5550	-2.14	1.00	10.07	8.93	-3.24	1.10	10.07	7.93	7.82	6.21	14.02	11.47
5670	-2.68	1.00	10.08	8.40	-2.18	1.10	10.08	9.00	6.92	7.94	14.86	11.72
5710	-2.72	1.00	10.08	8.36	-2.17	1.10	10.08	9.01	6.85	7.96	14.82	11.71
5755	-2.72	1.00	10.08	8.36	-2.35	1.10	10.08	8.83	6.85	7.64	14.49	11.61
5795	-2.63	1.00	10.08	8.45	-2.37	1.10	10.08	8.81	7.00	7.60	14.60	11.64

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)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	21 deg. C / 40 % RH
Engineer	Ken Fujita
Mode	Tx 11ac-80

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5210	-4.54	0.90	10.07	6.43	-3.81	1.00	10.07	7.26	4.40	5.32	9.72	9.88
5290	-3.35	0.90	10.07	7.62	-2.14	1.00	10.07	8.93	5.78	7.82	13.60	11.33
5530	-2.02	1.00	10.07	9.05	-3.30	1.10	10.07	7.87	8.04	6.12	14.16	11.51
5610	-2.29	1.00	10.07	8.78	-3.77	1.10	10.07	7.40	7.55	5.50	13.05	11.15
5690	-3.22	1.00	10.08	7.86	-2.52	1.10	10.08	8.66	6.11	7.35	13.45	11.29
5775	-3.07	1.00	10.08	8.01	-2.61	1.10	10.08	8.57	6.32	7.19	13.52	11.31

Sample Calculation:
Result (Burst power average) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
The test was performed with Gate function.

The 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)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 26, 2022
Temperature / Humidity	22 deg. C / 42 % RH
Engineer	Nachi Konegawa
Mode	Tx 11ax-80 (OFDM)

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average)			
									Antenna		Sum 1+3	
									1	3		
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5210	-4.35	0.90	10.07	6.62	-3.41	1.00	10.07	7.66	4.59	5.83	10.43	10.18
5290	-3.18	0.90	10.07	7.79	-1.84	1.00	10.07	9.23	6.01	8.38	14.39	11.58
5530	-1.75	1.00	10.07	9.32	-3.19	1.10	10.07	7.98	8.55	6.28	14.83	11.71
5610	-2.28	1.00	10.07	8.79	-3.22	1.10	10.07	7.95	7.57	6.24	13.81	11.40
5690	-2.81	1.00	10.08	8.27	-2.49	1.10	10.08	8.69	6.71	7.40	14.11	11.50
5775	-2.65	1.00	10.08	8.43	-2.68	1.10	10.08	8.50	6.97	7.08	14.05	11.48

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)

Test place	Ise EMC Lab. No.8 Measurement Room
Date	January 27, 2022
Temperature / Humidity	23 deg. C / 39 % RH
Engineer	Ken Fujita
Mode	Tx 11ax-80 OFDMA (996-tone RU)

	Antenna 1				Antenna 3				Antenna 1+3			
Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Power Meter Reading	Cable Loss	Atten. Loss	Result (Burst power average)	Result (Burst power average) Antenna 1	Antenna 3	Sum 1+3	
[MHz]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[mW]	[dBm]
5210	-4.35	0.90	10.07	6.62	-3.58	1.00	10.07	7.49	4.59	5.61	10.20	10.09
5290	-3.19	0.90	10.07	7.78	-1.98	1.00	10.07	9.09	6.00	8.11	14.11	11.49
5530	-1.80	1.00	10.07	9.27	-3.21	1.10	10.07	7.96	8.45	6.25	14.70	11.67
5610	-2.24	1.00	10.07	8.83	-3.85	1.10	10.07	7.32	7.64	5.40	13.03	11.15
5690	-2.88	1.00	10.08	8.20	-2.61	1.10	10.08	8.57	6.61	7.19	13.80	11.40
5775	-2.72	1.00	10.08	8.36	-2.74	1.10	10.08	8.44	6.85	6.98	13.84	11.41

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.

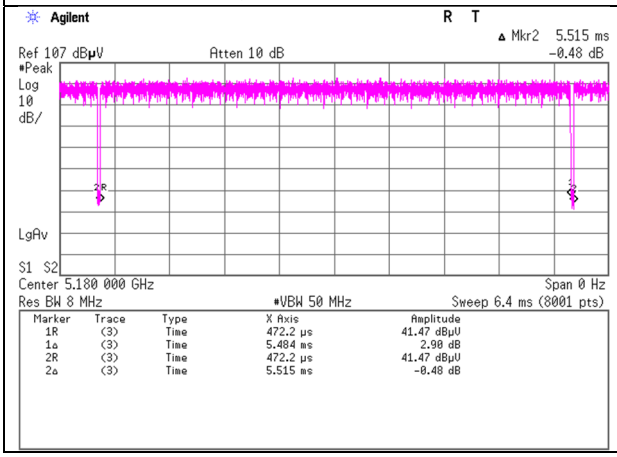
The average output power was measured with the lowest order modulation and lowest data rate configuration in each IEEE 802.11 mode based on KDB 248227 D01.

Burst rate confirmation

Test place	Ise EMC Lab. No.3 Semi Anechoic Chamber
Date	January 30, 2022
Temperature / Humidity	20 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx

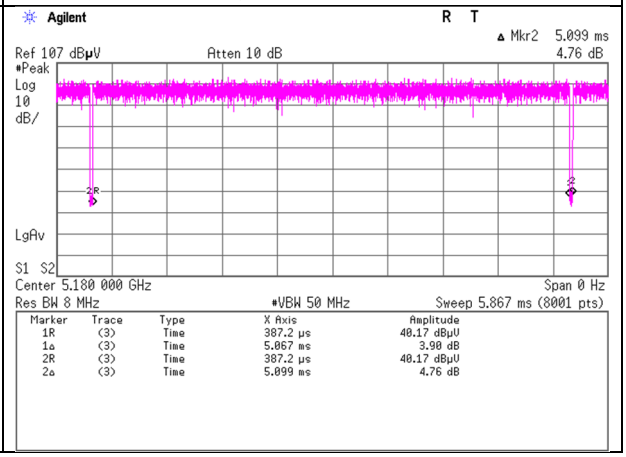
11a 6Mbps

Tx on / (Tx on + Tx off) =	0.994
Tx on / (Tx on + Tx off) * 100 =	99.4 %
Duty factor = 10 * log (5.515 / 5.484) =	0.02 dB



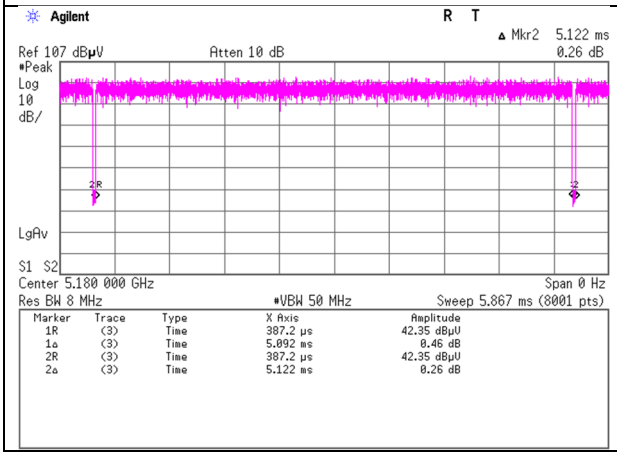
11n-20 MCS 0

Tx on / (Tx on + Tx off) =	0.994
Tx on / (Tx on + Tx off) * 100 =	99.4 %
Duty factor = 10 * log (5.099 / 5.067) =	0.03 dB



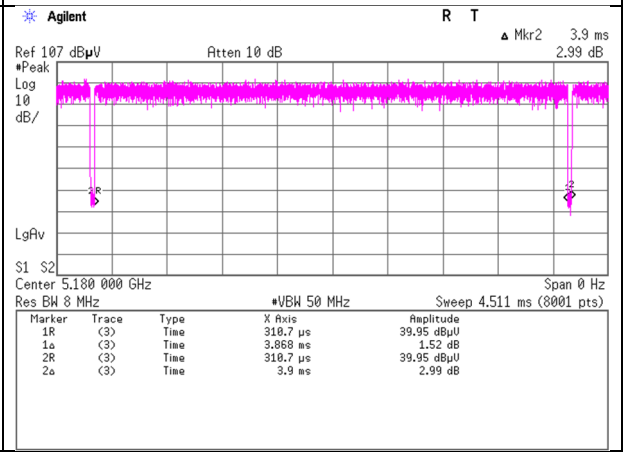
11ac-20 MCS 0

Tx on / (Tx on + Tx off) =	0.994
Tx on / (Tx on + Tx off) * 100 =	99.4 %
Duty factor = 10 * log (5.122 / 5.092) =	0.03 dB



11ax-20 (OFDM) MCS 0

Tx on / (Tx on + Tx off) =	0.992
Tx on / (Tx on + Tx off) * 100 =	99.2 %
Duty factor = 10 * log (3.9 / 3.868) =	0.04 dB

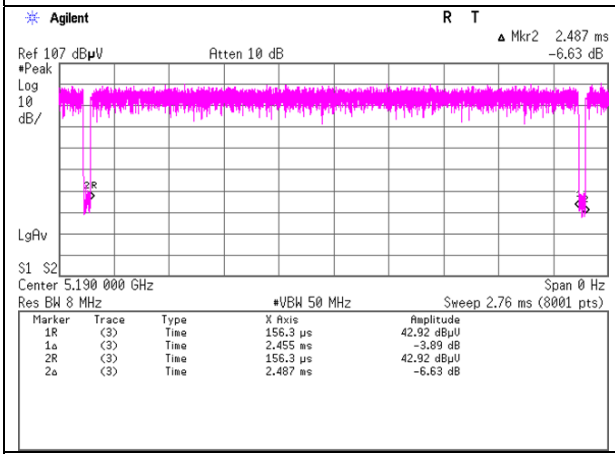


Burst rate confirmation

Test place	Ise EMC Lab. No.3 Semi Anechoic Chamber
Date	January 30, 2022
Temperature / Humidity	20 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx

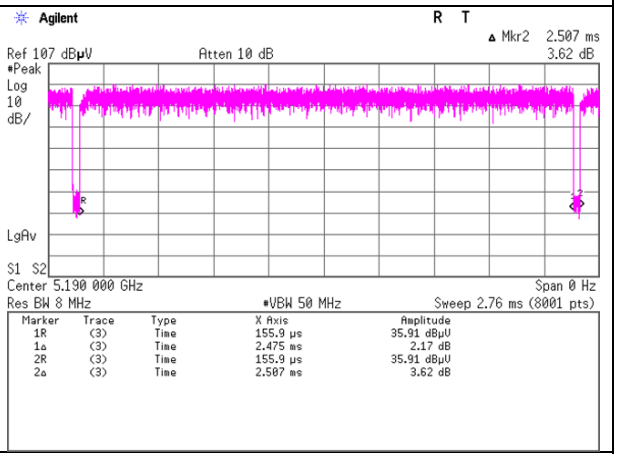
11n-40 MCS 0

Tx on / (Tx on + Tx off) = 0.987
Tx on / (Tx on + Tx off) * 100 = 98.7 %
Duty factor = 10 * log (2.487 / 2.455) = 0.06 dB



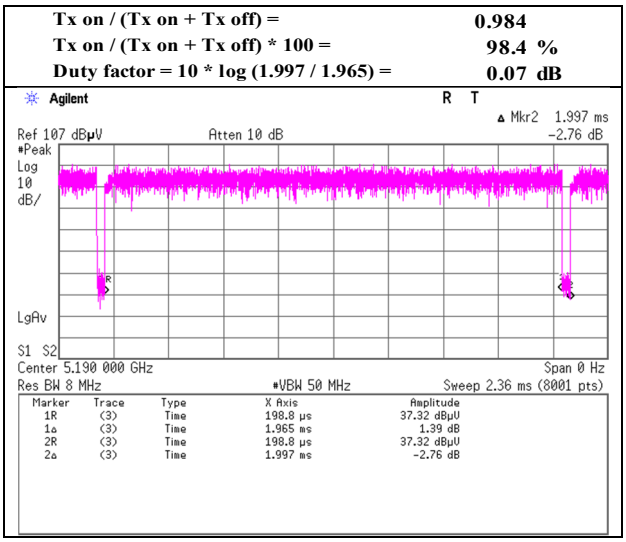
11ac-40 MCS 0

Tx on / (Tx on + Tx off) = 0.987
Tx on / (Tx on + Tx off) * 100 = 98.7 %
Duty factor = 10 * log (2.507 / 2.475) = 0.06 dB



11ax-40 (OFDM) MCS 0

Tx on / (Tx on + Tx off) = 0.984
Tx on / (Tx on + Tx off) * 100 = 98.4 %
Duty factor = 10 * log (1.997 / 1.965) = 0.07 dB

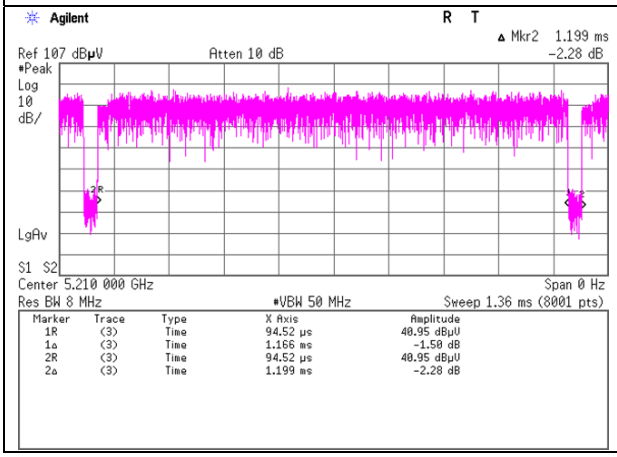


Burst rate confirmation

Test place	Ise EMC Lab. No.3 Semi Anechoic Chamber
Date	January 30, 2022
Temperature / Humidity	20 deg. C / 30 % RH
Engineer	Takafumi Noguchi
Mode	Tx

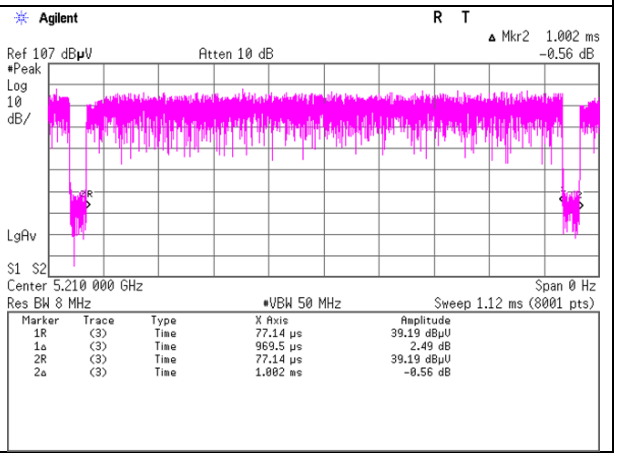
11ac-80 MCS 0

Tx on / (Tx on + Tx off) =	**0.972**
Tx on / (Tx on + Tx off) * 100 =	**97.2 %**
Duty factor = 10 * log (1.199 / 1.166) =	**0.12 dB**



11ax-80 (OFDM) MCS 0

Tx on / (Tx on + Tx off) =	**0.968**
Tx on / (Tx on + Tx off) * 100 =	**96.8 %**
Duty factor = 10 * log (1.002 / 0.9695) =	**0.14 dB**

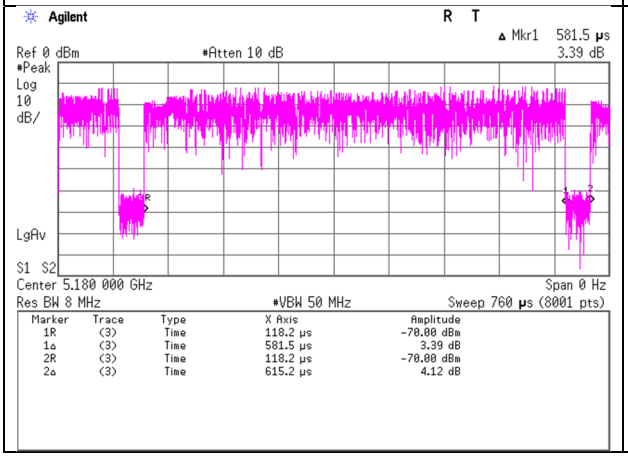


Burst rate confirmation

Test place	Ise EMC Lab. No.3 Semi Anechoic Chamber
Date	January 29, 2022
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroki Numata
Mode	Tx

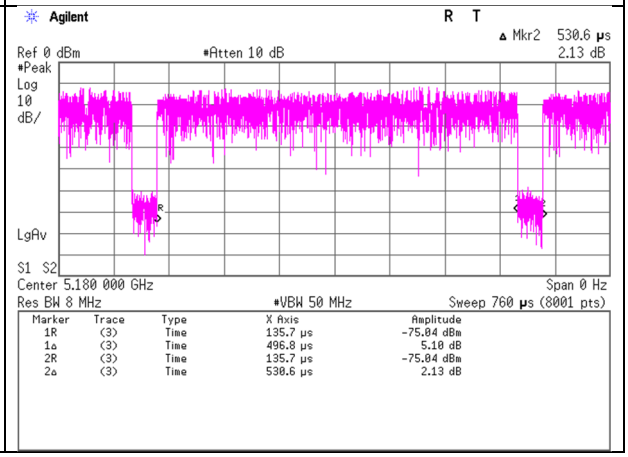
11ax-20 (26-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.945
Tx on / (Tx on + Tx off) * 100 = 94.5 %
Duty factor = 10 * log (615.2 / 581.5) = 0.24 dB



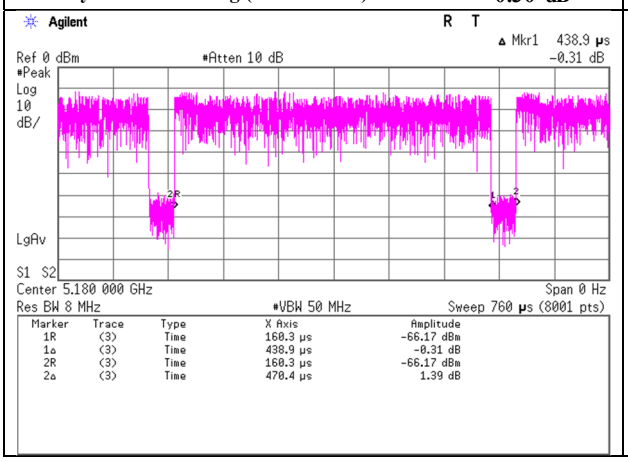
11ax-20 (52-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.936
Tx on / (Tx on + Tx off) * 100 = 93.6 %
Duty factor = 10 * log (530.6 / 496.8) = 0.29 dB



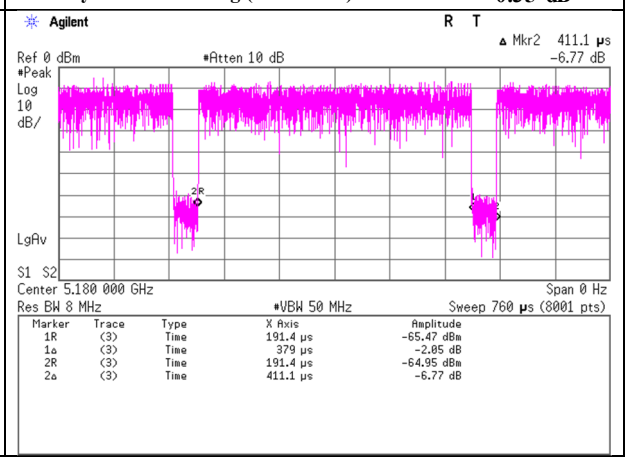
11ax-20 (106-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.933
Tx on / (Tx on + Tx off) * 100 = 93.3 %
Duty factor = 10 * log (470.4 / 438.9) = 0.30 dB



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

Tx on / (Tx on + Tx off) = 0.922
Tx on / (Tx on + Tx off) * 100 = 92.2 %
Duty factor = 10 * log (411.1 / 379) = 0.35 dB

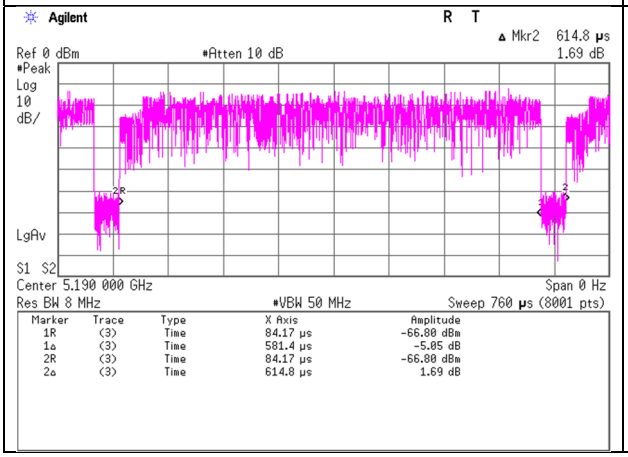


Burst rate confirmation

Test place	Ise EMC Lab. No.3 Semi Anechoic Chamber
Date	January 29, 2022
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroki Numata
Mode	Tx

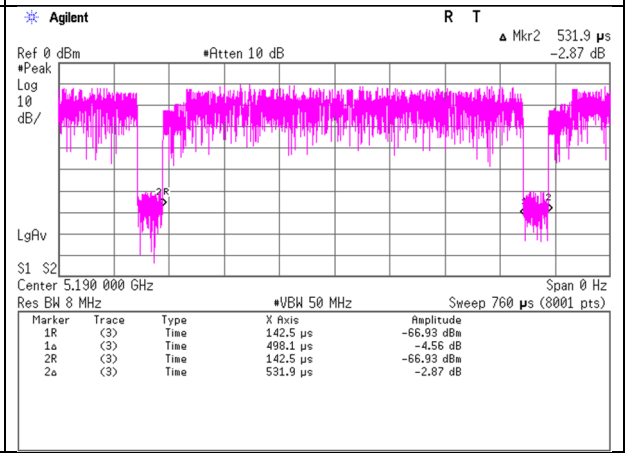
11ax-40 (26-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.946
Tx on / (Tx on + Tx off) * 100 = 94.6 %
Duty factor = 10 * log (614.8 / 581.4) = 0.24 dB



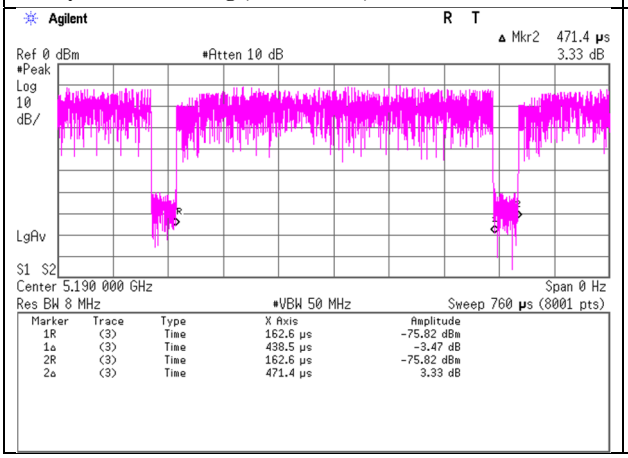
11ax-40 (52-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.936
Tx on / (Tx on + Tx off) * 100 = 93.6 %
Duty factor = 10 * log (531.9 / 498.1) = 0.29 dB



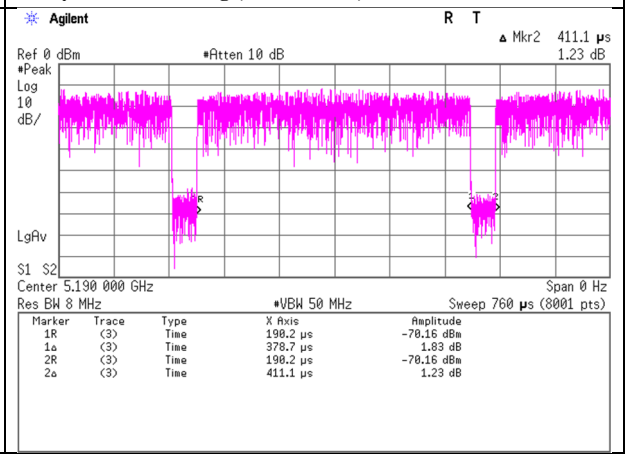
11ax-40 (106-tone RU) MCS 0

Tx on / (Tx on + Tx off) = 0.930
Tx on / (Tx on + Tx off) * 100 = 93.0 %
Duty factor = 10 * log (471.4 / 438.5) = 0.31 dB



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

Tx on / (Tx on + Tx off) = 0.921
Tx on / (Tx on + Tx off) * 100 = 92.1 %
Duty factor = 10 * log (411.1 / 378.7) = 0.36 dB



Burst rate confirmation

Test place	Ise EMC Lab. No.3 Semi Anechoic Chamber
Date	January 29, 2022
Temperature / Humidity	21 deg. C / 37 % RH
Engineer	Hiroki Numata
Mode	Tx

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

Tx on / (Tx on + Tx off) = 0.919
Tx on / (Tx on + Tx off) * 100 = 91.9 %
Duty factor = 10 * log (402.9 / 370.2) = 0.37 dB