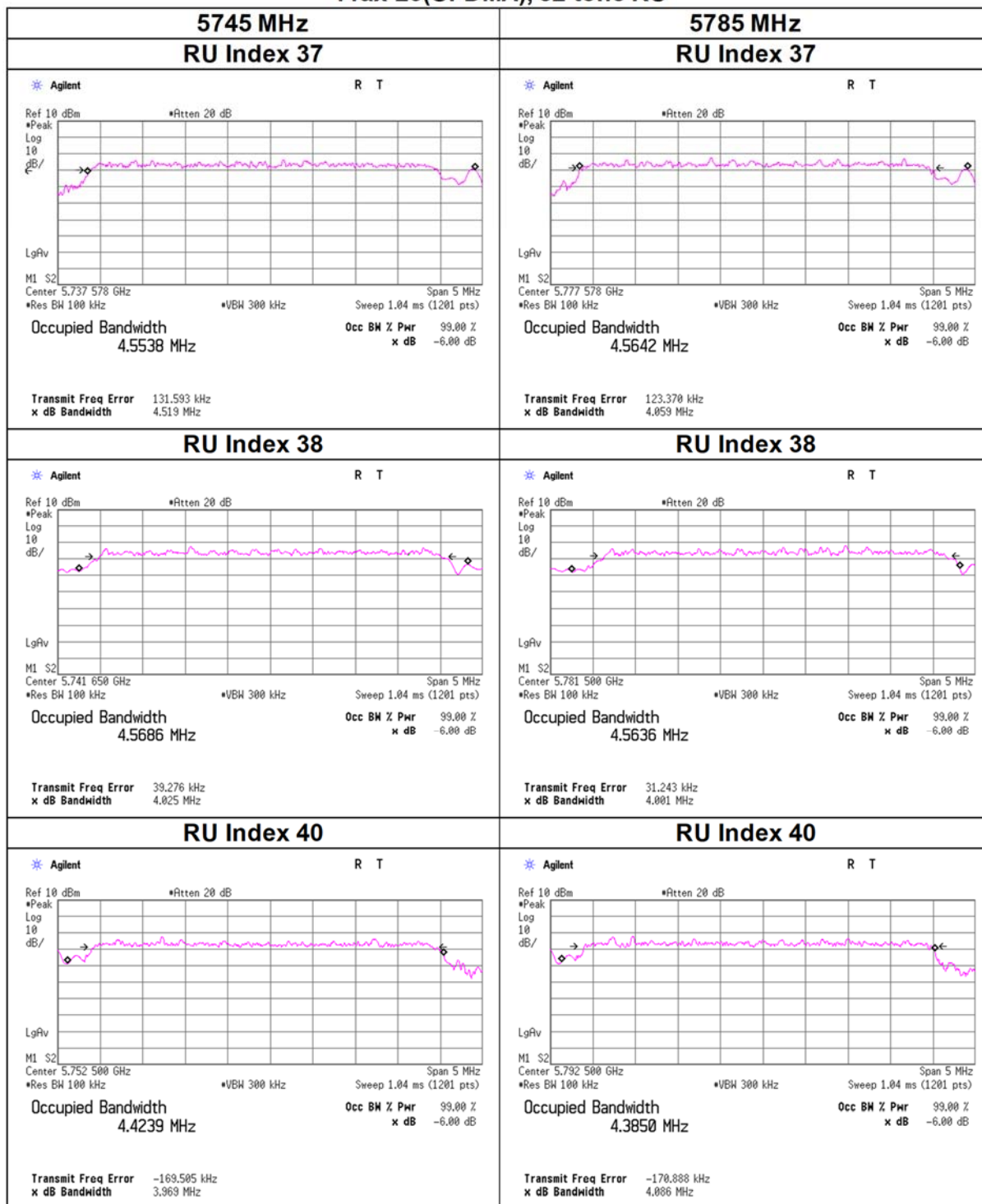


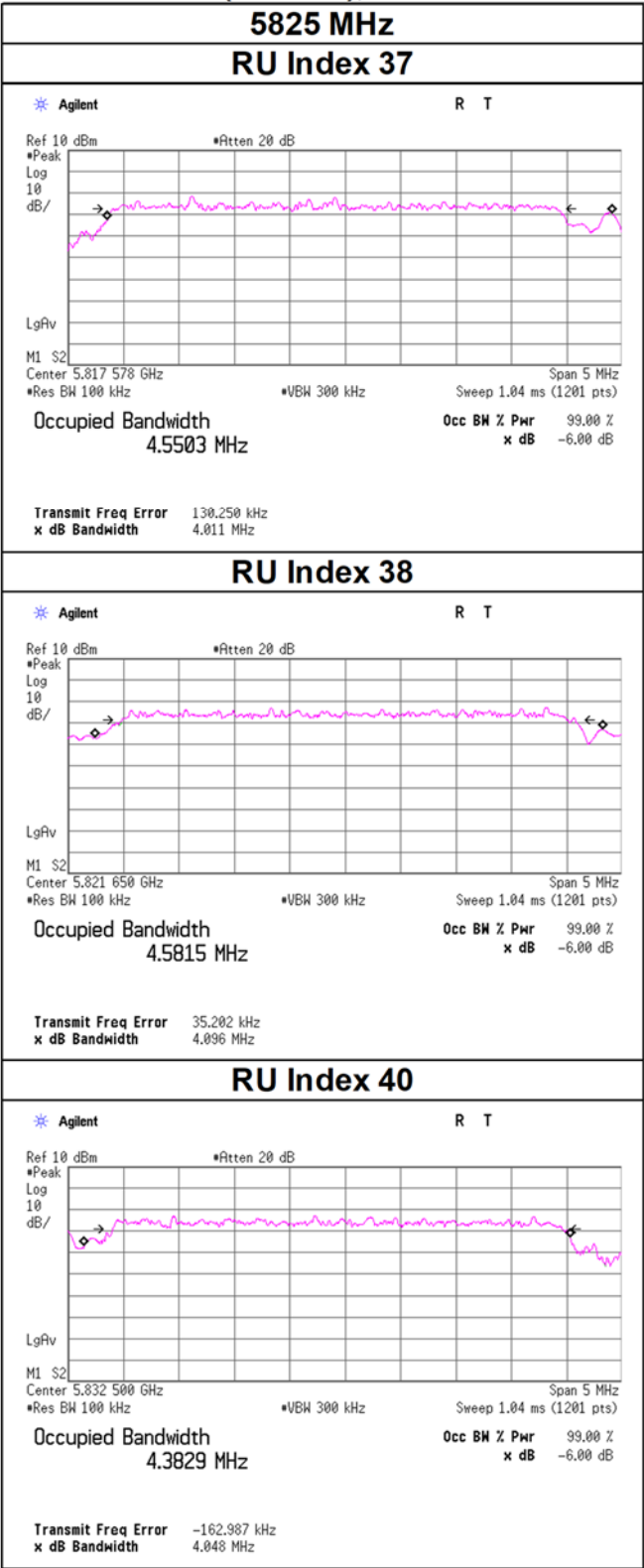
6 dB Bandwidth

11ax-20(OFDMA), 52-tone RU



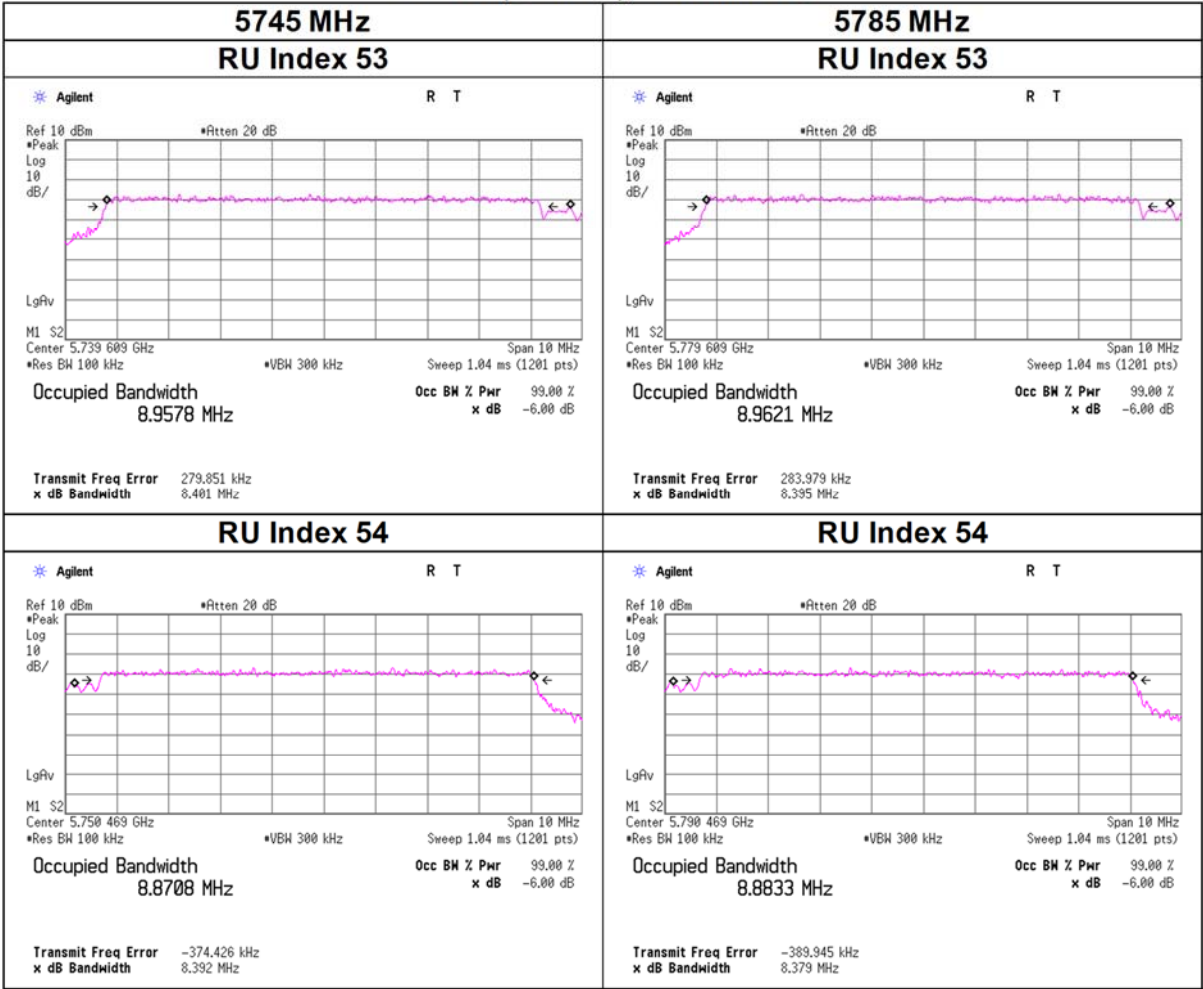
6 dB Bandwidth

11ax-20(OFDMA), 52-tone RU



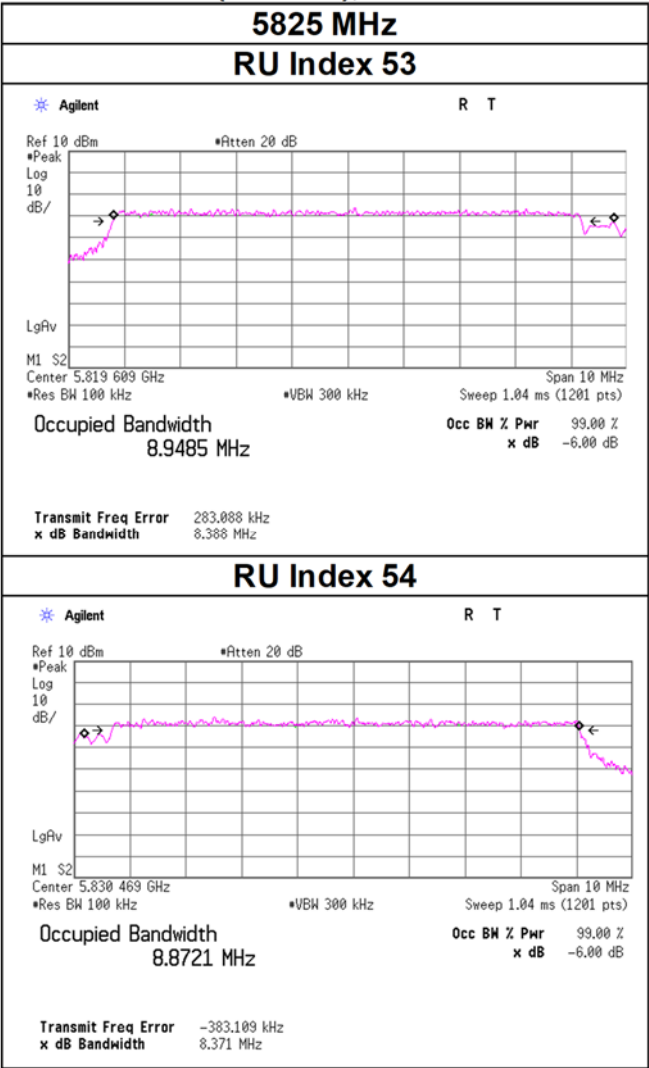
6 dB Bandwidth

11ax-20(OFDMA), 106-tone RU



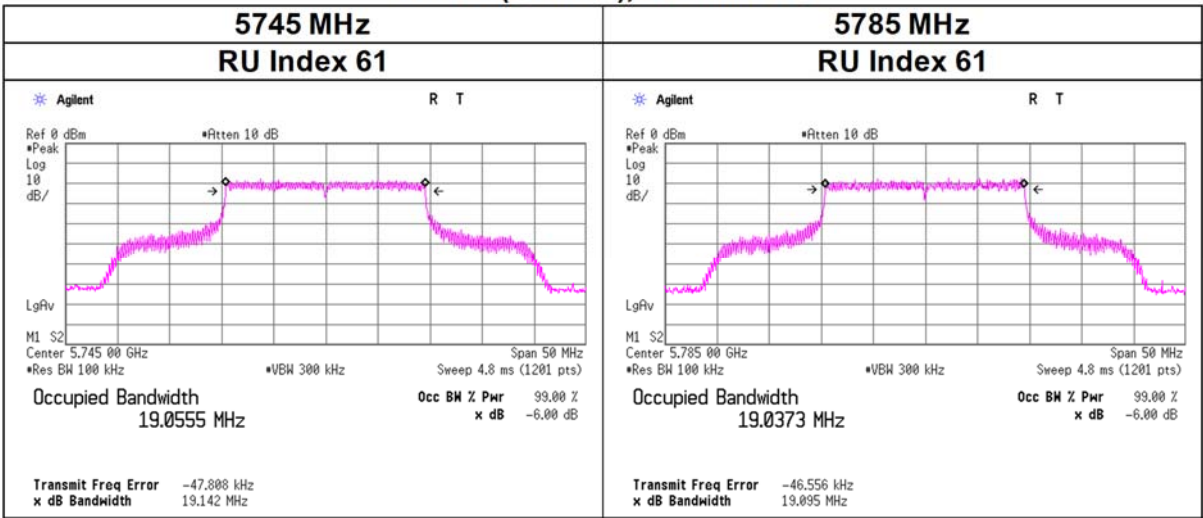
6 dB Bandwidth

11ax-20(OFDMA), 106-tone RU

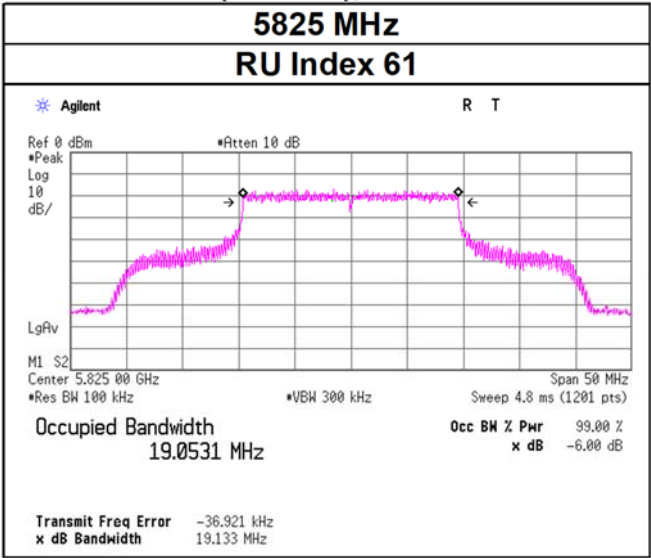


6 dB Bandwidth

11ax-20(OFDMA), 242-tone RU

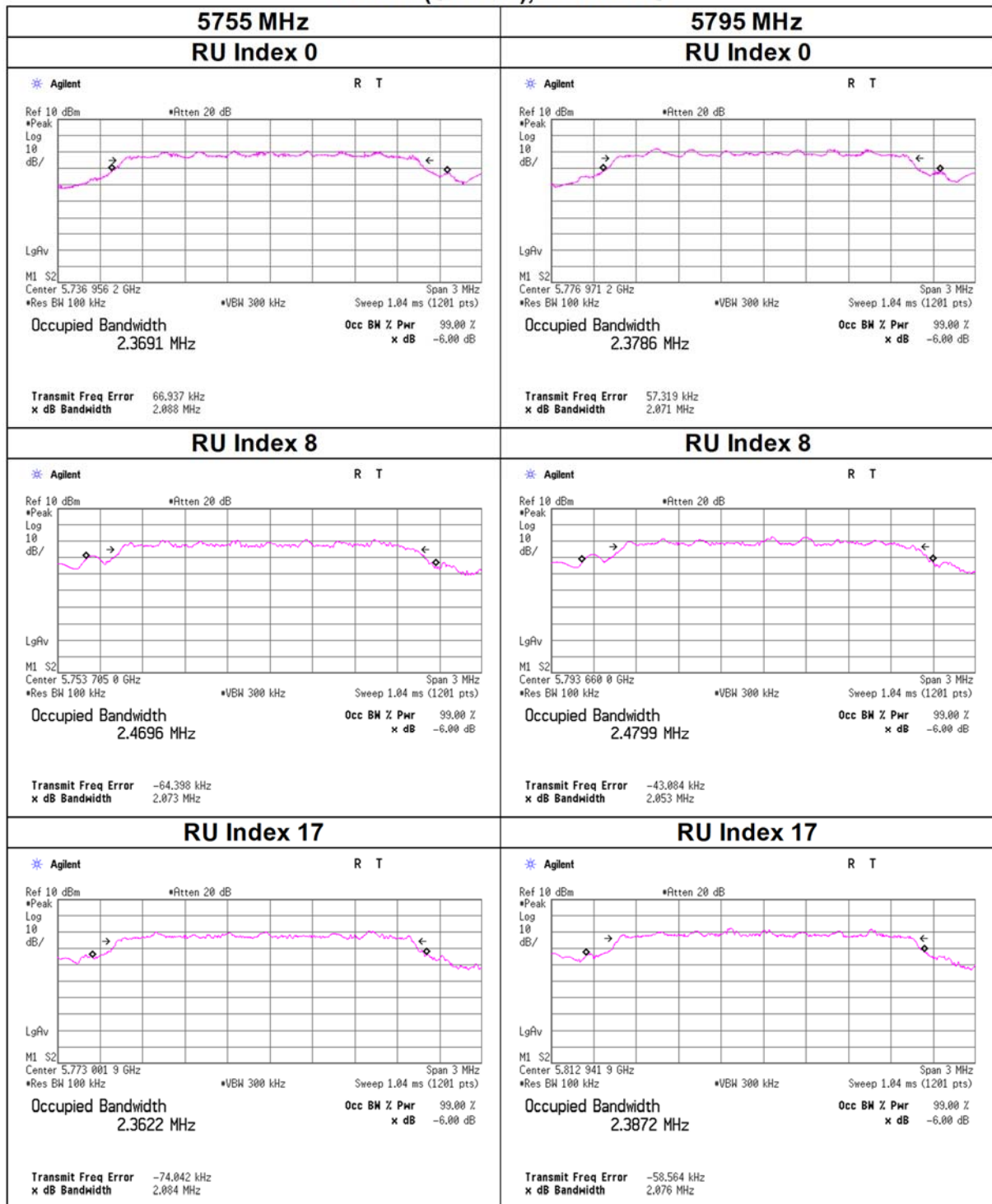


11ax-20(OFDMA), 242-tone RU



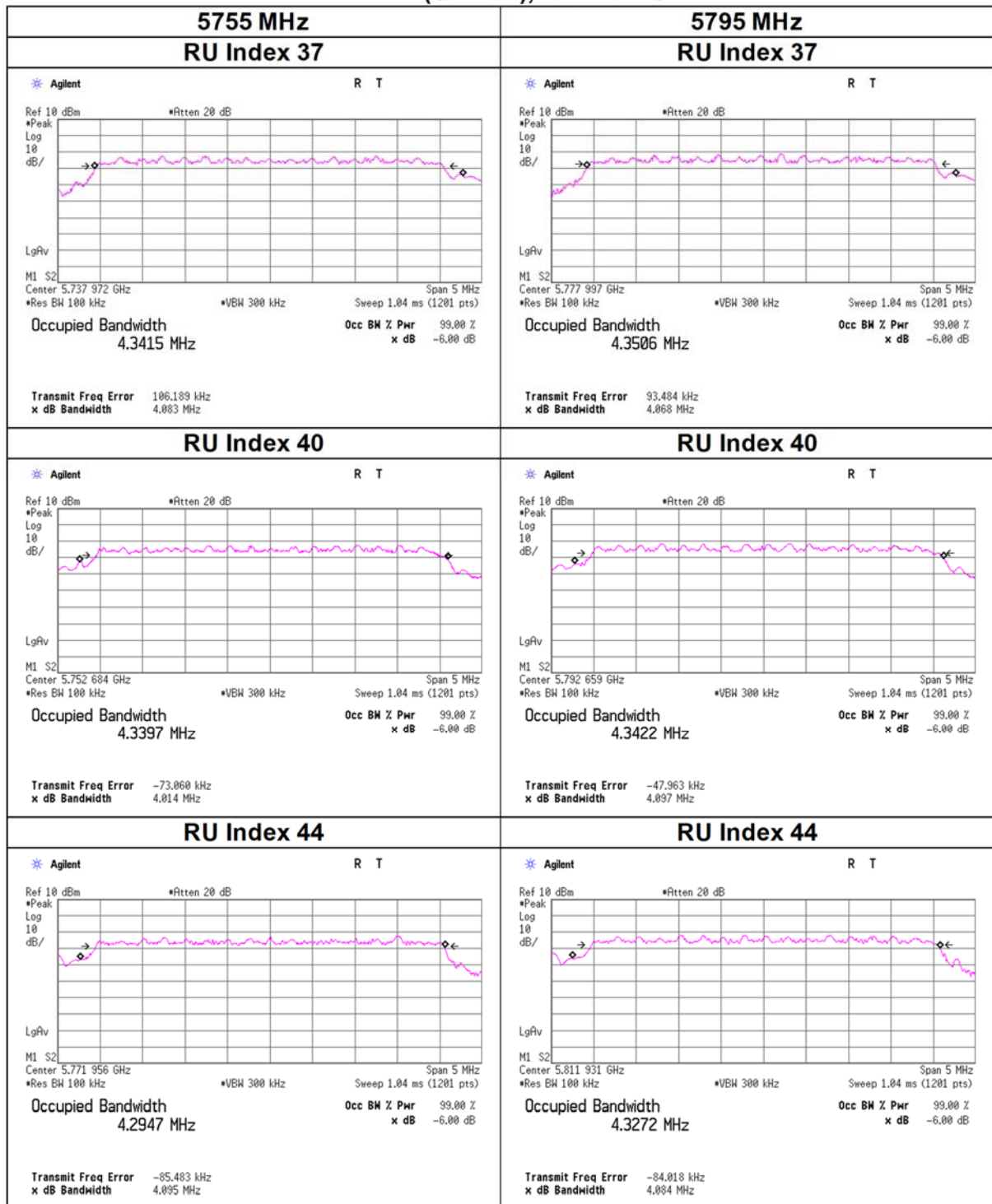
6 dB Bandwidth

11ax-40(OFDMA), 26-tone RU



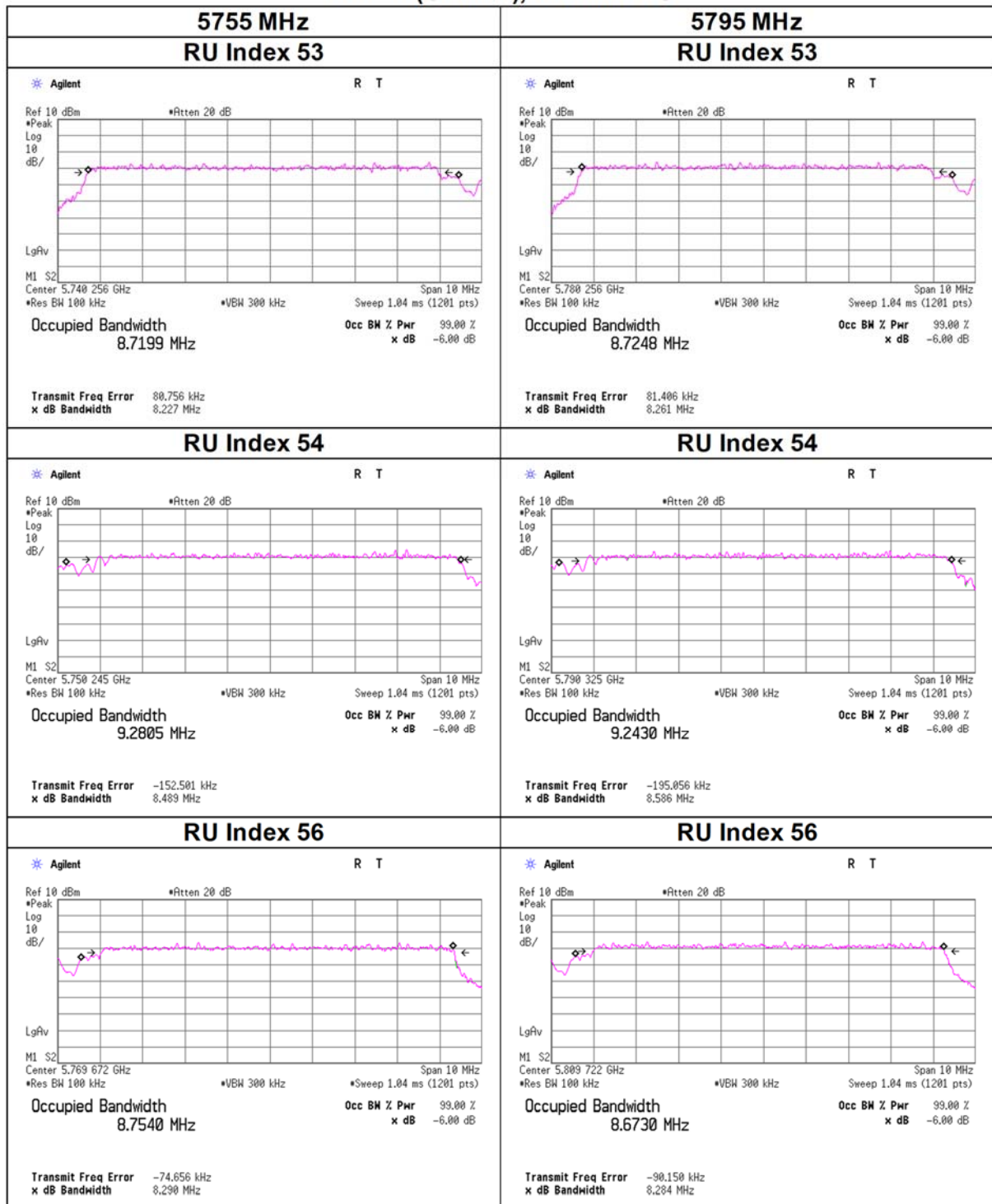
6 dB Bandwidth

11ax-40(OFDMA), 52-tone RU



6 dB Bandwidth

11ax-40(OFDMA), 106-tone RU

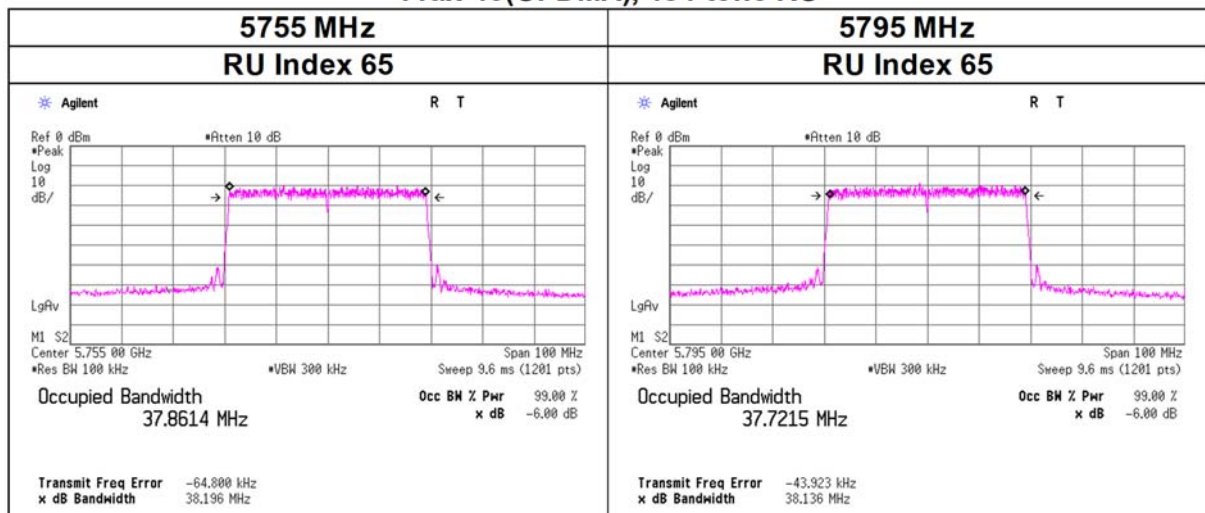


6 dB Bandwidth

11ax-40(OFDMA), 242-tone RU



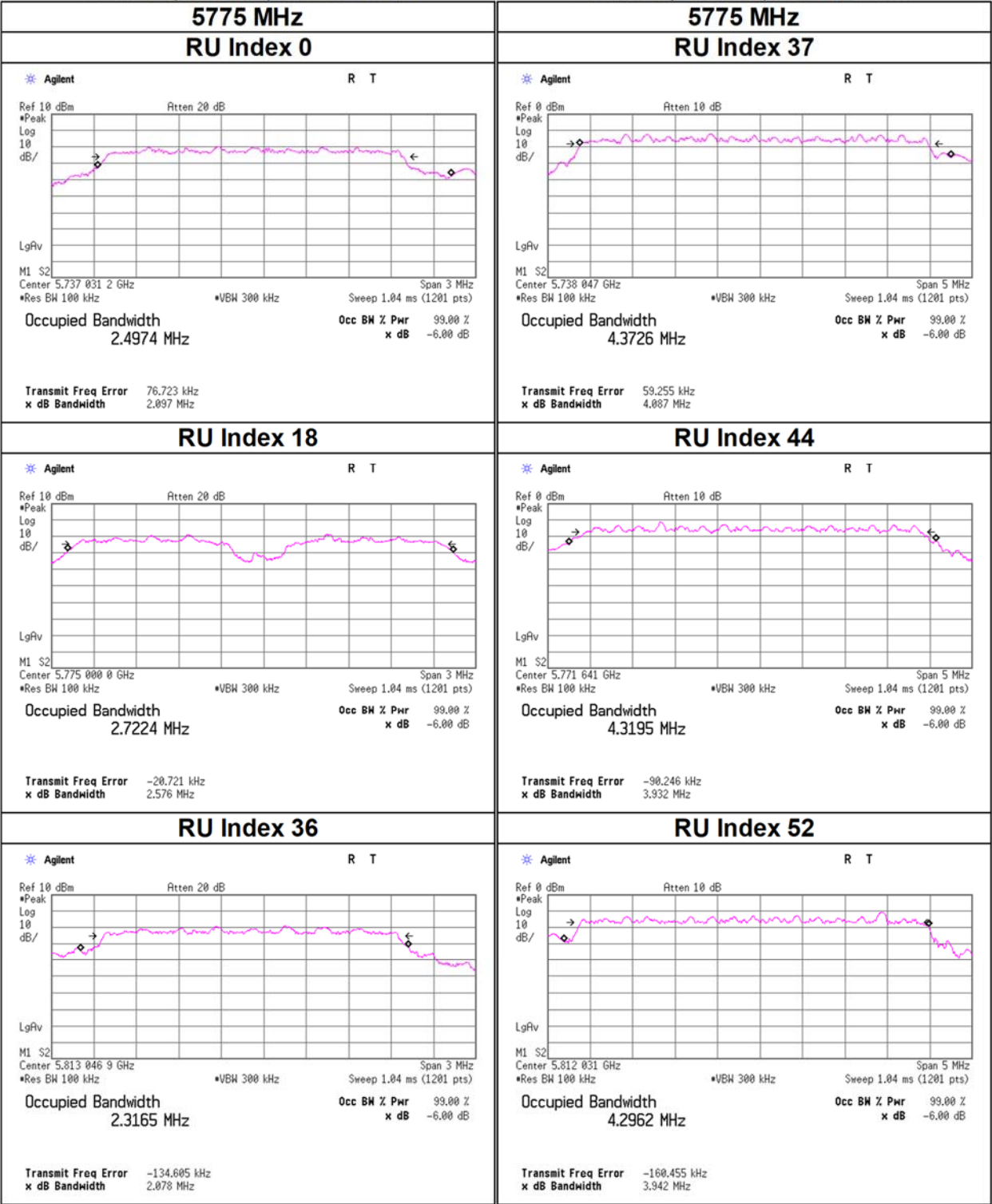
11ax-40(OFDMA), 484-tone RU



6 dB Bandwidth

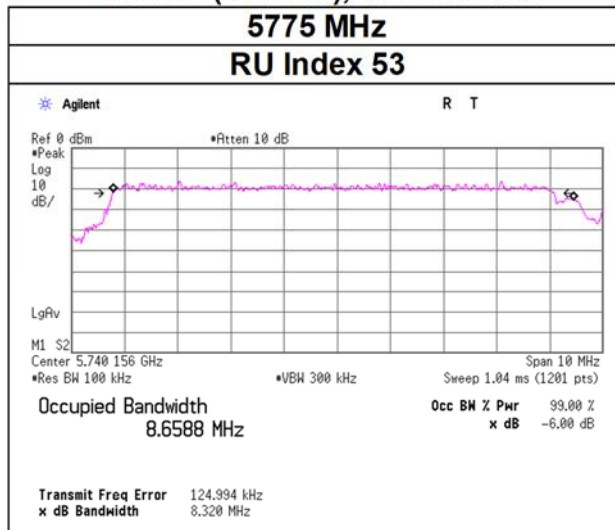
11ax-80(OFDMA), 26-tone RU

11ax-80(OFDMA), 52-tone RU

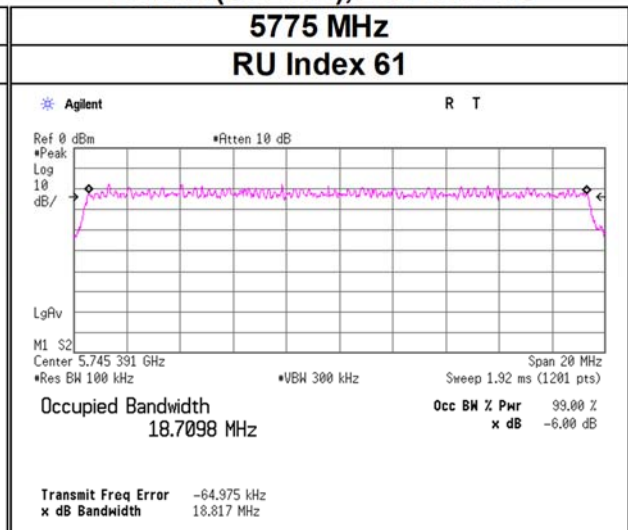


6 dB Bandwidth

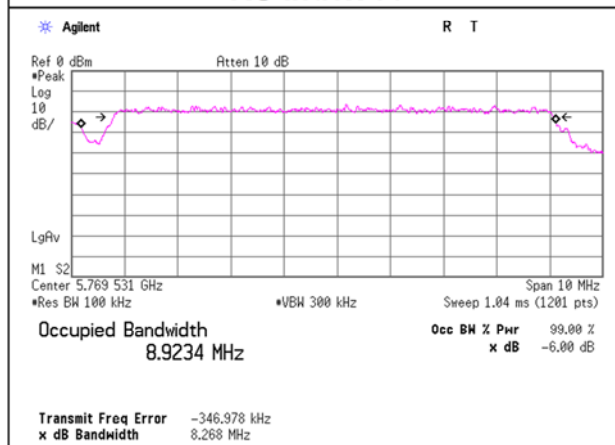
11ax-80(OFDMA), 106-tone RU



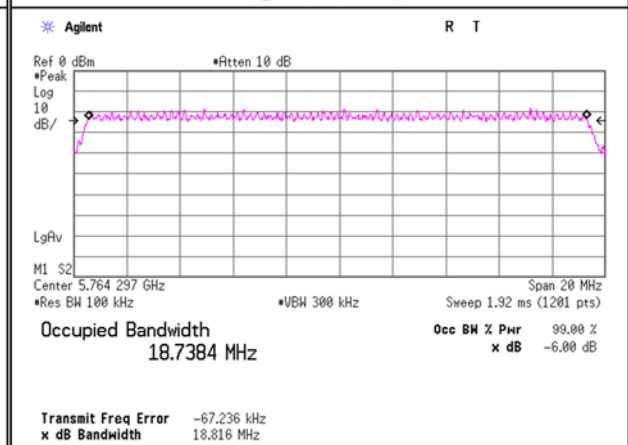
11ax-80(OFDMA), 242-tone RU



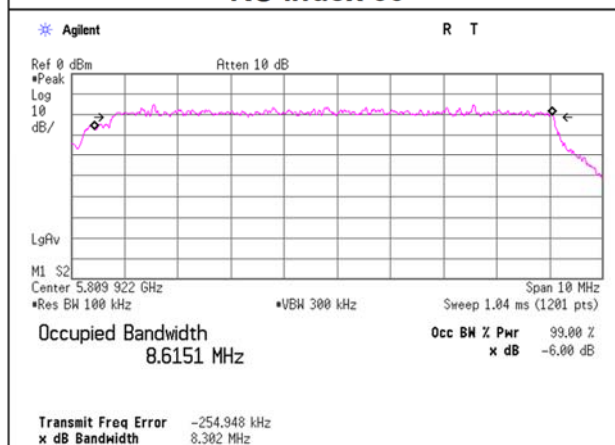
RU Index 56



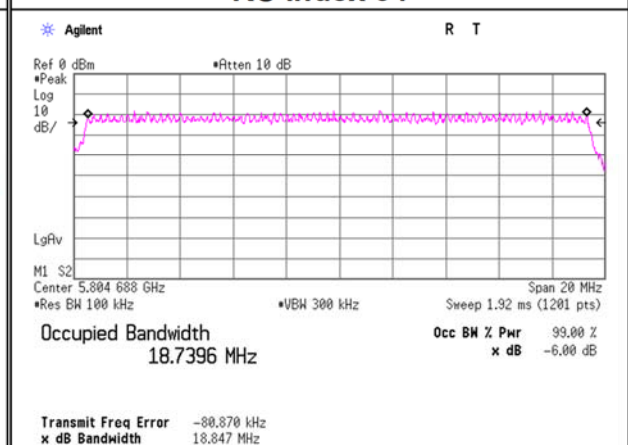
RU Index 62



RU Index 60

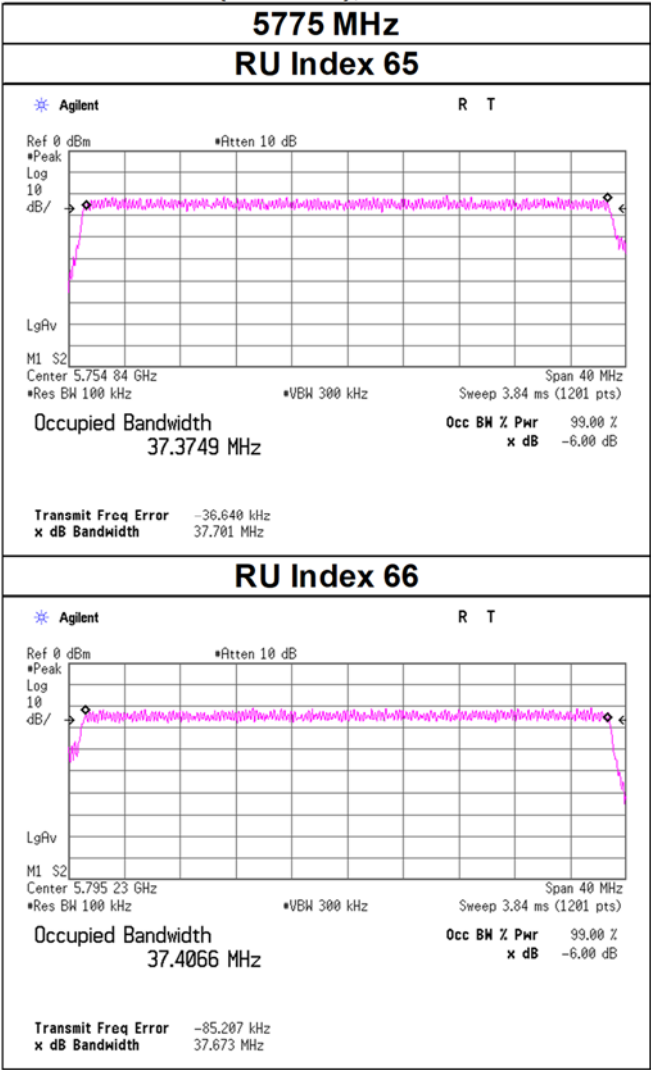


RU Index 64

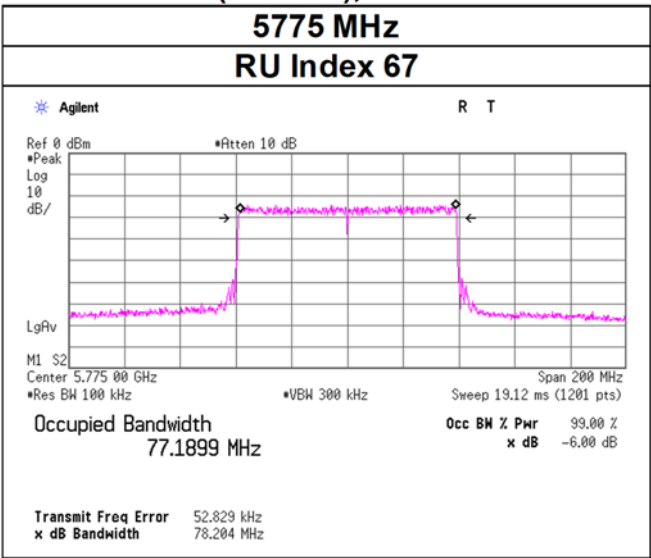


6 dB Bandwidth

11ax-80(OFDMA), 484-tone RU



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



Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date September 29, 2023 September 29, 2023
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH
Engineer Kazuya Noda Yusuke Tanikawara
Mode Tx, Ant 2

11a

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor	Antenna Gain [dBi]	Conducted Power				e.i.r.p.				e.i.r.p.			
						Result		FCC 15.407		RSS-247		Result		FCC 15.407		RSS-247	
						[dBm]	[mW]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5180	-5.30	2.95	10.00	0.19	4.07	7.84	6.08	23.97	16.13	-	-	11.91	15.52	29.97	18.06	22.21	10.30
5220	-5.03	2.95	10.00	0.19	4.07	8.11	6.47	23.97	15.86	-	-	12.18	16.52	29.97	17.79	22.21	10.03
5240	-5.13	2.95	10.00	0.19	4.07	8.01	6.32	23.97	15.96	-	-	12.08	16.14	29.97	17.89	22.21	10.13
5260	-5.18	2.96	10.00	0.19	4.07	7.97	6.27	23.97	16.00	23.21	15.24	12.04	16.00	29.97	17.93	29.21	17.17
5300	-5.43	2.96	10.00	0.19	4.07	7.72	5.92	23.97	16.25	23.21	15.49	11.79	15.10	29.97	18.18	29.21	17.42
5320	-5.40	2.96	10.00	0.19	4.07	7.75	5.96	23.97	16.22	23.21	15.46	11.82	15.21	29.97	18.15	29.21	17.39
5500	-5.37	2.98	10.01	0.19	4.07	7.81	6.04	23.97	16.16	23.21	15.40	11.88	15.42	29.97	18.09	29.21	17.33
5580	-5.32	2.98	10.01	0.19	4.07	7.86	6.11	23.97	16.11	23.21	15.35	11.93	15.60	29.97	18.04	29.21	17.28
5700	-5.56	2.99	10.01	0.19	4.07	7.63	5.79	23.97	16.34	23.21	15.58	11.70	14.79	29.97	18.27	29.21	17.51
5745	-6.42	3.00	10.02	0.19	4.07	6.79	4.78	30.00	23.21	30.00	23.21	10.86	12.19	36.00	25.14	36.00	25.14
5785	-6.62	3.00	10.02	0.19	4.07	6.59	4.56	30.00	23.41	30.00	23.41	10.66	11.64	36.00	25.34	36.00	25.34
5825	-6.38	3.00	10.02	0.19	4.07	6.83	4.82	30.00	23.17	30.00	23.17	10.90	12.30	36.00	25.10	36.00	25.10

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (23.237 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.642 MHz) as conservative limit.

5180 MHz

Antenna	Data rate	P/M (AV) Reading	Cable Loss	Atten. Loss	Duty factor	Result	Remarks	Antenna	Data rate	P/M (AV) Reading	Cable Loss	Atten. Loss	Duty factor	Result	Remarks
	[Mbps]	[dBm]	[dB]	[dB]	[dB]	[dBm]			[Mbps]	[dBm]	[dB]	[dB]	[dB]	[dBm]	
Ant 0	6	-5.26	2.95	10.01	0.10	7.80		Ant 2	6	-5.23	2.95	10.00	0.10	7.82	
	9	-5.30	2.95	10.01	0.15	7.81			9	-5.27	2.95	10.00	0.15	7.83	
	12	-5.32	2.95	10.01	0.19	7.83			12	-5.30	2.95	10.00	0.19	7.84	Worst
	18	-5.44	2.95	10.01	0.28	7.80			18	-5.41	2.95	10.00	0.28	7.82	
	24	-5.53	2.95	10.01	0.36	7.79			24	-5.49	2.95	10.00	0.36	7.82	
	36	-5.81	2.95	10.01	0.52	7.67			36	-5.77	2.95	10.00	0.52	7.70	
	48	-5.89	2.95	10.01	0.67	7.74			48	-5.85	2.95	10.00	0.67	7.77	
	54	-5.98	2.95	10.01	0.72	7.70			54	-5.95	2.95	10.00	0.72	7.72	

Sample Calculation:

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

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date September 29, 2023 September 29, 2023
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH
Engineer Kazuya Noda Yusuke Tanikawara
Mode Tx, Ant 2

11n-20 (SISO)

Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Conducted Power								e.i.r.p.							
						Result		FCC 15.407		RSS-247		Result		FCC 15.407		RSS-247					
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dBm]	[dB]				
5180	-5.50	2.95	10.00	0.29	4.07	7.74	5.94	23.97	16.23	-	-	11.81	15.17	29.97	18.16	22.46	10.65				
5220	-5.20	2.95	10.00	0.29	4.07	8.04	6.37	23.97	15.93	-	-	12.11	16.26	29.97	17.86	22.46	10.35				
5240	-5.33	2.95	10.00	0.29	4.07	7.91	6.18	23.97	16.06	-	-	11.98	15.78	29.97	17.99	22.46	10.48				
5260	-5.37	2.96	10.00	0.29	4.07	7.88	6.14	23.97	16.09	23.46	15.58	11.95	15.67	29.97	18.02	29.46	17.51				
5300	-5.65	2.96	10.00	0.29	4.07	7.60	5.75	23.97	16.37	23.46	15.86	11.67	14.69	29.97	18.30	29.46	17.79				
5320	-5.61	2.96	10.00	0.29	4.07	7.64	5.81	23.97	16.33	23.46	15.82	11.71	14.83	29.97	18.26	29.46	17.75				
5500	-5.51	2.98	10.01	0.29	4.07	7.77	5.98	23.97	16.20	23.46	15.69	11.84	15.28	29.97	18.13	29.46	17.62				
5580	-5.50	2.98	10.01	0.29	4.07	7.78	6.00	23.97	16.19	23.46	15.68	11.85	15.31	29.97	18.12	29.46	17.61				
5700	-5.79	2.99	10.01	0.29	4.07	7.50	5.62	23.97	16.47	23.46	15.96	11.57	14.35	29.97	18.40	29.46	17.89				
5745	-6.56	3.00	10.02	0.29	4.07	6.75	4.73	30.00	23.25	30.00	23.25	10.82	12.08	36.00	25.18	36.00	25.18				
5785	-6.80	3.00	10.02	0.29	4.07	6.51	4.48	30.00	23.49	30.00	23.49	10.58	11.43	36.00	25.42	36.00	25.42				
5825	-6.53	3.00	10.02	0.29	4.07	6.78	4.76	30.00	23.22	30.00	23.22	10.85	12.16	36.00	25.15	36.00	25.15				

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (23.719 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.635 MHz) as conservative limit.

5180 MHz

Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks	Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
	(MCS)								(MCS)						
Ant 0	0 (1ss)	-5.41	2.95	10.01	0.10	7.65		Ant 2	0 (1ss)	-5.39	2.95	10.00	0.10	7.66	
	1 (1ss)	-5.52	2.95	10.01	0.20	7.64			1 (1ss)	-5.47	2.95	10.00	0.20	7.68	
	2 (1ss)	-5.53	2.95	10.01	0.29	7.72			2 (1ss)	-5.50	2.95	10.00	0.29	7.74	Worst
	3 (1ss)	-5.63	2.95	10.01	0.37	7.70			3 (1ss)	-5.59	2.95	10.00	0.37	7.73	
	4 (1ss)	-5.76	2.95	10.01	0.53	7.73			4 (1ss)	-5.81	2.95	10.00	0.53	7.67	
	5 (1ss)	-5.98	2.95	10.01	0.65	7.63			5 (1ss)	-5.95	2.95	10.00	0.65	7.65	
	6 (1ss)	-6.04	2.95	10.01	0.70	7.62			6 (1ss)	-5.97	2.95	10.00	0.70	7.68	
	7 (1ss)	-6.07	2.95	10.01	0.77	7.66			7 (1ss)	-6.02	2.95	10.00	0.77	7.70	

Sample Calculation:

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

* 1ss: 1 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date September 29, 2023 September 29, 2023
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH
Engineer Kazuya Noda Yusuke Tanikawara
Mode Tx, Ant 2

11ac-20 (SISO)

Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Conducted Power								e.i.r.p.							
						Result		FCC 15.407		RSS-247		Result		FCC 15.407		RSS-247					
						Limit	Margin	Limit	Margin	Limit	Margin	Limit	Margin	Limit	Margin	Limit	Margin				
[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dB]		
5180	-5.49	2.95	10.00	0.29	4.07	7.75	5.96	23.97	16.22	-	-	11.82	15.21	29.97	18.15	22.48	10.66				
5220	-5.18	2.95	10.00	0.29	4.07	8.06	6.40	23.97	15.91	-	-	12.13	16.33	29.97	17.84	22.48	10.35				
5240	-5.35	2.95	10.00	0.29	4.07	7.89	6.15	23.97	16.08	-	-	11.96	15.70	29.97	18.01	22.48	10.52				
5260	-5.43	2.96	10.00	0.29	4.07	7.82	6.05	23.97	16.15	23.48	15.66	11.89	15.45	29.97	18.08	29.48	17.59				
5300	-5.64	2.96	10.00	0.29	4.07	7.61	5.77	23.97	16.36	23.48	15.87	11.68	14.72	29.97	18.29	29.48	17.80				
5320	-5.52	2.96	10.00	0.29	4.07	7.73	5.93	23.97	16.24	23.48	15.75	11.80	15.14	29.97	18.17	29.48	17.68				
5500	-5.58	2.98	10.01	0.29	4.07	7.70	5.89	23.97	16.27	23.48	15.78	11.77	15.03	29.97	18.20	29.48	17.71				
5580	-5.53	2.98	10.01	0.29	4.07	7.75	5.96	23.97	16.22	23.48	15.73	11.82	15.21	29.97	18.15	29.48	17.66				
5700	-5.76	2.99	10.01	0.29	4.07	7.53	5.66	23.97	16.44	23.48	15.95	11.60	14.45	29.97	18.37	29.48	17.88				
5745	-6.59	3.00	10.02	0.29	4.07	6.72	4.70	30.00	23.28	30.00	23.28	10.79	11.99	36.00	25.21	36.00	25.21				
5785	-6.79	3.00	10.02	0.29	4.07	6.52	4.49	30.00	23.48	30.00	23.48	10.59	11.46	36.00	25.41	36.00	25.41				
5825	-6.48	3.00	10.02	0.29	4.07	6.83	4.82	30.00	23.17	30.00	23.17	10.90	12.30	36.00	25.10	36.00	25.10				

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (23.083 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.737 MHz) as conservative limit.

5180 MHz

Antenna	Mode	P/M (AV) Reading	Cable Loss	Atten. Loss	Duty factor	Result	Remarks	Antenna	Mode	P/M (AV) Reading	Cable Loss	Atten. Loss	Duty factor	Result	Remarks
	(MCS)	[dBm]	[dB]	[dB]	[dB]	[dBm]			(MCS)	[dBm]	[dB]	[dB]	[dB]	[dBm]	
Ant 0	0 (1ss)	-5.33	2.95	10.01	0.10	7.73		Ant 2	0 (1ss)	-5.36	2.95	10.00	0.10	7.69	
	1 (1ss)	-5.45	2.95	10.01	0.20	7.71			1 (1ss)	-5.47	2.95	10.00	0.20	7.68	
	2 (1ss)	-5.52	2.95	10.01	0.29	7.73			2 (1ss)	-5.49	2.95	10.00	0.29	7.75	Worst
	3 (1ss)	-5.58	2.95	10.01	0.36	7.74			3 (1ss)	-5.57	2.95	10.00	0.36	7.74	
	4 (1ss)	-5.76	2.95	10.01	0.51	7.71			4 (1ss)	-5.81	2.95	10.00	0.51	7.65	
	5 (1ss)	-5.93	2.95	10.01	0.64	7.67			5 (1ss)	-5.94	2.95	10.00	0.64	7.65	
	6 (1ss)	-5.97	2.95	10.01	0.69	7.68			6 (1ss)	-5.95	2.95	10.00	0.69	7.69	
	7 (1ss)	-6.05	2.95	10.01	0.75	7.66			7 (1ss)	-5.99	2.95	10.00	0.75	7.71	
	8 (1ss)	-6.11	2.95	10.01	0.84	7.69			8 (1ss)	-6.14	2.95	10.00	0.84	7.65	

Sample Calculation:

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

* 1ss: 1 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date October 27, 2023 October 31, 2023 January 30, 2024 July 9, 2024
Temperature / Humidity 25 deg. C / 33 % RH 25 deg. C / 33 % RH 22 deg. C / 44 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Kazuya Noda Kazuya Noda Kouki Yamada
Mode Tx, Ant 2

11ax-20 (SISO)

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Conducted Power						e.i.r.p.					
						Result		FCC 15.407		RSS-247		Result		FCC 15.407		RSS-247	
						[dBm]	[mW]	Limit	Margin	Limit	Margin	[dBm]	[mW]	Limit	Margin	Limit	Margin
5180	-5.77	2.95	10.01	1.03	4.07	8.22	6.64	23.97	15.75	-	-	12.29	16.95	29.97	17.68	22.77	10.48
5220	-6.18	2.95	10.01	1.03	4.07	7.81	6.04	23.97	16.16	-	-	11.88	15.42	29.97	18.09	22.77	10.89
5240	-6.15	2.95	10.01	1.03	4.07	7.84	6.08	23.97	16.13	-	-	11.91	15.53	29.97	18.06	22.77	10.86
5260	-6.06	2.95	10.01	1.03	4.07	7.93	6.21	23.97	16.04	23.77	15.84	12.00	15.86	29.97	17.97	29.77	17.77
5300	-6.68	2.96	10.01	1.03	4.07	7.32	5.40	23.97	16.65	23.77	16.45	11.39	13.78	29.97	18.58	29.77	18.38
5320	-6.07	2.96	10.01	1.03	4.07	7.93	6.21	23.97	16.04	23.77	15.84	12.00	15.86	29.97	17.97	29.77	17.77
5500	-5.98	2.98	10.01	1.03	4.07	8.04	6.37	23.97	15.93	23.77	15.73	12.11	16.26	29.97	17.86	29.77	17.66
5580	-5.99	2.98	10.01	1.03	4.07	8.03	6.36	23.97	15.94	23.77	15.74	12.10	16.23	29.97	17.87	29.77	17.67
5700	-6.31	2.99	10.01	1.03	4.07	7.72	5.92	23.97	16.25	23.77	16.05	11.79	15.11	29.97	18.18	29.77	17.98
5745	-7.41	3.00	10.01	1.03	4.07	6.63	4.60	30.00	23.37	30.00	23.37	10.70	11.75	36.00	25.30	36.00	25.30
5785	-7.51	3.00	10.01	1.03	4.07	6.53	4.50	30.00	23.47	30.00	23.47	10.60	11.49	36.00	25.40	36.00	25.40
5825	-7.47	3.00	10.01	1.03	4.07	6.57	4.54	30.00	23.43	30.00	23.43	10.64	11.59	36.00	25.36	36.00	25.36

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (29.900 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.950 MHz) as conservative limit.

5180 MHz

Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks	Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Ant 0	0 (1ss)	-5.21	2.95	10.01	0.14	7.89		Ant 2	0 (1ss)	-5.20	2.95	10.01	0.14	7.90	
	1 (1ss)	-5.38	2.95	10.01	0.25	7.83			1 (1ss)	-5.30	2.95	10.01	0.25	7.91	
	2 (1ss)	-5.48	2.95	10.01	0.36	7.84			2 (1ss)	-5.40	2.95	10.01	0.36	7.92	
	3 (1ss)	-5.53	2.95	10.01	0.44	7.87			3 (1ss)	-5.51	2.95	10.01	0.44	7.89	
	4 (1ss)	-5.72	2.95	10.01	0.60	7.84			4 (1ss)	-5.68	2.95	10.01	0.60	7.88	
	5 (1ss)	-5.85	2.95	10.01	0.74	7.85			5 (1ss)	-5.82	2.95	10.01	0.74	7.88	
	6 (1ss)	-5.89	2.95	10.01	0.75	7.82			6 (1ss)	-5.84	2.95	10.01	0.75	7.87	
	7 (1ss)	-6.01	2.95	10.01	0.78	7.73			7 (1ss)	-5.94	2.95	10.01	0.78	7.80	
	8 (1ss)	-5.98	2.95	10.01	0.90	7.88			8 (1ss)	-5.94	2.95	10.01	0.90	7.92	
	9 (1ss)	-6.06	2.95	10.01	0.95	7.85			9 (1ss)	-6.01	2.95	10.01	0.95	7.90	
	10 (1ss)	-5.84	2.95	10.01	1.02	8.14			10 (1ss)	-5.82	2.95	10.01	1.02	8.16	
	11 (1ss)	-5.80	2.95	10.01	1.03	8.19			11 (1ss)	-5.77	2.95	10.01	1.03	8.22	Worst

Sample Calculation:

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

* 1ss: 1 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date September 29, 2023 September 29, 2023
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH
Engineer Kazuya Noda Yusuke Tanikawara
Mode Tx, Ant 2

11n-40 (SISO)

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Conducted Power				e.i.r.p.			
						Result		FCC 15.407		RSS-247		Result	
						[dBm]	[mW]	Limit	Margin	Limit	Margin	[dBm]	[mW]
5190	-5.10	2.95	10.00	0.20	4.07	8.05	6.38	23.97	15.92	-	-	12.12	16.29
5230	-4.92	2.95	10.00	0.20	4.07	8.23	6.65	23.97	15.74	-	-	12.30	16.98
5270	-4.95	2.96	10.00	0.20	4.07	8.21	6.62	23.97	15.76	23.97	15.76	12.28	16.90
5310	-5.29	2.96	10.00	0.20	4.07	7.87	6.12	23.97	16.10	23.97	16.10	11.94	15.63
5510	-5.16	2.98	10.01	0.20	4.07	8.03	6.35	23.97	15.94	23.97	15.94	12.10	16.22
5550	-5.32	2.98	10.01	0.20	4.07	7.87	6.12	23.97	16.10	23.97	16.10	11.94	15.63
5670	-5.30	2.99	10.01	0.20	4.07	7.90	6.17	23.97	16.07	23.97	16.07	11.97	15.74
5755	-6.35	3.00	10.02	0.20	4.07	6.87	4.86	30.00	23.13	30.00	23.13	10.94	12.42
5795	-6.41	3.00	10.02	0.20	4.07	6.81	4.80	30.00	23.19	30.00	23.19	10.88	12.25

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (39.458 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (35.856 MHz) as conservative limit.

5190 MHz

Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks	Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Ant 0	0 (1ss)	-5.71	2.95	10.01	0.20	7.45		Ant 2	0 (1ss)	-5.10	2.95	10.00	0.20	8.05	Worst
	1 (1ss)	-5.85	2.95	10.01	0.39	7.50			1 (1ss)	-5.39	2.95	10.00	0.39	7.95	
	2 (1ss)	-6.05	2.95	10.01	0.54	7.45			2 (1ss)	-5.57	2.95	10.00	0.54	7.92	
	3 (1ss)	-6.25	2.95	10.01	0.66	7.37			3 (1ss)	-5.67	2.95	10.00	0.66	7.94	
	4 (1ss)	-6.49	2.95	10.01	0.89	7.36			4 (1ss)	-6.02	2.95	10.00	0.89	7.82	
	5 (1ss)	-6.71	2.95	10.01	1.05	7.30			5 (1ss)	-6.21	2.95	10.00	1.05	7.79	
	6 (1ss)	-6.82	2.95	10.01	1.16	7.30			6 (1ss)	-6.26	2.95	10.00	1.16	7.85	
	7 (1ss)	-6.89	2.95	10.01	1.19	7.26			7 (1ss)	-6.31	2.95	10.00	1.19	7.83	

Sample Calculation:

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

* 1ss: 1 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date September 29, 2023 September 29, 2023
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH
Engineer Kazuya Noda Yusuke Tanikawara
Mode Tx, Ant 2

11ac-40 (SISO)

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Conducted Power						e.i.r.p.					
						Result		FCC 15.407		RSS-247		Result		FCC 15.407		RSS-247	
						[dBm]	[mW]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	-5.31	2.95	10.00	0.38	4.07	8.02	6.34	23.97	15.95	-	-	12.09	16.18	29.97	17.88	23.01	10.92
5230	-5.21	2.95	10.00	0.38	4.07	8.12	6.49	23.97	15.85	-	-	12.19	16.56	29.97	17.78	23.01	10.82
5270	-5.18	2.96	10.00	0.38	4.07	8.16	6.55	23.97	15.81	23.97	15.81	12.23	16.71	29.97	17.74	30.00	17.77
5310	-5.50	2.96	10.00	0.38	4.07	7.84	6.08	23.97	16.13	23.97	16.13	11.91	15.52	29.97	18.06	30.00	18.09
5510	-5.41	2.98	10.01	0.38	4.07	7.96	6.25	23.97	16.01	23.97	16.01	12.03	15.96	29.97	17.94	30.00	17.97
5550	-5.62	2.98	10.01	0.38	4.07	7.75	5.96	23.97	16.22	23.97	16.22	11.82	15.21	29.97	18.15	30.00	18.18
5670	-5.48	2.99	10.01	0.38	4.07	7.90	6.17	23.97	16.07	23.97	16.07	11.97	15.74	29.97	18.00	30.00	18.03
5755	-6.60	3.00	10.02	0.38	4.07	6.80	4.79	30.00	23.20	30.00	23.20	10.87	12.22	36.00	25.13	36.00	25.13
5795	-6.70	3.00	10.02	0.38	4.07	6.70	4.68	30.00	23.30	30.00	23.30	10.77	11.94	36.00	25.23	36.00	25.23

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (39.344 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (35.809 MHz) as conservative limit.

5190 MHz

Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks	Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Ant 0	0 (1ss)	-5.70	2.95	10.01	0.21	7.47		Ant 2	0 (1ss)	-5.21	2.95	10.00	0.21	7.95	Worst
	1 (1ss)	-5.85	2.95	10.01	0.38	7.49			1 (1ss)	-5.31	2.95	10.00	0.38	8.02	
	2 (1ss)	-6.06	2.95	10.01	0.53	7.43			2 (1ss)	-5.56	2.95	10.00	0.53	7.92	
	3 (1ss)	-6.23	2.95	10.01	0.65	7.38			3 (1ss)	-5.66	2.95	10.00	0.65	7.94	
	4 (1ss)	-6.43	2.95	10.01	0.88	7.41			4 (1ss)	-5.98	2.95	10.00	0.88	7.85	
	5 (1ss)	-6.63	2.95	10.01	1.00	7.33			5 (1ss)	-6.15	2.95	10.00	1.00	7.80	
	6 (1ss)	-6.67	2.95	10.01	1.11	7.40			6 (1ss)	-6.24	2.95	10.00	1.11	7.82	
	7 (1ss)	-6.83	2.95	10.01	1.14	7.27			7 (1ss)	-6.28	2.95	10.00	1.14	7.81	
	8 (1ss)	-7.09	2.95	10.01	1.28	7.15			8 (1ss)	-6.55	2.95	10.00	1.28	7.68	
	9 (1ss)	-7.13	2.95	10.01	1.32	7.15			9 (1ss)	-6.59	2.95	10.00	1.32	7.68	

Sample Calculation:

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

* 1ss: 1 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date October 27, 2023 October 31, 2023 January 30, 2024
Temperature / Humidity 25 deg. C / 33 % RH 25 deg. C / 33 % RH 22 deg. C / 44 % RH
Engineer Kazuya Noda Kazuya Noda Kazuya Noda
Mode Tx, Ant 2

11ax-40 (SISO)

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Conducted Power				e.i.r.p.			
						Result		FCC 15.407		RSS-247		Result	
						[dBm]	[mW]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]
5190	-6.09	2.95	10.01	1.39	4.07	8.26	6.70	23.97	15.71	-	-	12.33	17.11
5230	-6.05	2.95	10.01	1.39	4.07	8.30	6.76	23.97	15.67	-	-	12.37	17.26
5270	-6.04	2.96	10.01	1.39	4.07	8.32	6.79	23.97	15.65	23.97	15.65	12.39	17.34
5310	-5.97	2.96	10.01	1.39	4.07	8.39	6.90	23.97	15.58	23.97	15.58	12.46	17.62
5510	-6.08	2.98	10.01	1.39	4.07	8.30	6.76	23.97	15.67	23.97	15.67	12.37	17.26
5550	-6.04	2.98	10.01	1.39	4.07	8.34	6.83	23.97	15.63	23.97	15.63	12.41	17.42
5670	-5.98	2.99	10.01	1.39	4.07	8.41	6.94	23.97	15.56	23.97	15.56	12.48	17.71
5755	-7.79	3.00	10.01	1.39	4.07	6.61	4.58	30.00	23.39	30.00	23.39	10.68	11.70
5795	-7.15	3.00	10.01	1.39	4.07	7.25	5.31	30.00	22.75	30.00	22.75	11.32	13.56

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (39.759 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (37.864 MHz) as conservative limit.

5190 MHz

Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks	Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Ant 0	0 (1ss)	-5.51	2.95	10.01	0.25	7.70		Ant 2	0 (1ss)	-5.05	2.95	10.01	0.25	8.16	
	1 (1ss)	-5.76	2.95	10.01	0.45	7.65			1 (1ss)	-5.29	2.95	10.01	0.45	8.12	
	2 (1ss)	-5.92	2.95	10.01	0.60	7.64			2 (1ss)	-5.53	2.95	10.01	0.60	8.03	
	3 (1ss)	-6.12	2.95	10.01	0.73	7.57			3 (1ss)	-5.63	2.95	10.01	0.73	8.06	
	4 (1ss)	-6.38	2.95	10.01	0.92	7.50			4 (1ss)	-5.98	2.95	10.01	0.92	7.90	
	5 (1ss)	-6.49	2.95	10.01	1.06	7.53			5 (1ss)	-6.09	2.95	10.01	1.06	7.93	
	6 (1ss)	-6.51	2.95	10.01	1.08	7.53			6 (1ss)	-6.15	2.95	10.01	1.08	7.89	
	7 (1ss)	-6.56	2.95	10.01	1.14	7.54			7 (1ss)	-6.16	2.95	10.01	1.14	7.94	
	8 (1ss)	-6.81	2.95	10.01	1.23	7.38			8 (1ss)	-6.40	2.95	10.01	1.23	7.79	
	9 (1ss)	-6.80	2.95	10.01	1.24	7.40			9 (1ss)	-6.39	2.95	10.01	1.24	7.81	
	10 (1ss)	-6.63	2.95	10.01	1.29	7.62			10 (1ss)	-6.03	2.95	10.01	1.29	8.22	
	11 (1ss)	-6.77	2.95	10.01	1.39	7.58			11 (1ss)	-6.09	2.95	10.01	1.39	8.26	Worst

Sample Calculation:

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

* 1ss: 1 spatial stream

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Measurement Room		
Date	September 29, 2023	September 29, 2023	July 9, 2024
Temperature / Humidity	24 deg. C / 46 % RH	24 deg. C / 48 % RH	23 deg. C / 37 % RH
Engineer	Kazuya Noda	Yusuke Tanikawara	Kouki Yamada
Mode	Tx. Ant 2		

11ac-80 (SISO)

Tested Frequency	Power Meter Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Conducted Power								e.i.r.p.							
						Result		FCC 15.407		RSS-247		Result		FCC 15.407		RSS-247					
								Limit	Margin	Limit	Margin			Limit	Margin	Limit	Margin				
						[MHz]	[dBm]	[dB]	[dB]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[mW]	[dBm]	[dB]
5210	-6.34	2.95	10.00	0.92	4.07	7.53	5.66	23.97	16.44	-	-	11.60	14.45	29.97	18.37	23.01	11.41				
5290	-6.07	2.96	10.00	0.92	4.07	7.81	6.04	23.97	16.16	23.97	16.16	11.88	15.42	29.97	18.09	30.00	18.12				
5530	-6.31	2.98	10.01	0.92	4.07	7.60	5.75	23.97	16.37	23.97	16.37	11.67	14.69	29.97	18.30	30.00	18.33				
5775	-7.32	3.00	10.02	0.92	4.07	6.62	4.59	30.00	23.38	30.00	23.38	10.69	11.72	36.00	25.31	36.00	25.31				

Sample Calculation:

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

$$\text{e.i.r.p. Result} = \text{Conducted Power Result} + \text{Antenna Gain}$$

15 407 Limit

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

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

For all test frequencies, B was applied the minimum value (79.236 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or $(17 + 10\log B)$ dBm, whichever is lower

For all test frequencies, B was applied the minimum value (75.163 MHz) as conservative limit.

5210 MHz

0.210 MHz

Antenna	Mode	P/M (AV) Reading	Cable Loss	Atten. Loss	Duty factor	Result	Remarks	Antenna	Mode	P/M (AV) Reading	Cable Loss	Atten. Loss	Duty factor	Result	Remarks
	(MCS)	[dBm]	[dB]	[dB]	[dB]	[dBm]			(MCS)	[dBm]	[dB]	[dB]	[dB]	[dBm]	
Ant 0	0 (1ss)	-5.98	2.95	10.01	0.41	7.39		Ant 2	0 (1ss)	-5.87	2.95	10.00	0.41	7.49	Worst
1 (1ss)	-6.36	2.95	10.01	0.71	7.31		1 (1ss)	-6.17	2.95	10.00	0.71	7.49			
2 (1ss)	-6.55	2.95	10.01	0.92	7.33		2 (1ss)	-6.34	2.95	10.00	0.92	7.53			
3 (1ss)	-6.80	2.95	10.01	1.08	7.24		3 (1ss)	-6.59	2.95	10.00	1.08	7.44			
4 (1ss)	-7.17	2.95	10.01	1.35	7.14		4 (1ss)	-6.87	2.95	10.00	1.35	7.43			
5 (1ss)	-7.27	2.95	10.01	1.52	7.21		5 (1ss)	-6.98	2.95	10.00	1.52	7.49			
6 (1ss)	-7.38	2.95	10.01	1.59	7.17		6 (1ss)	-7.10	2.95	10.00	1.59	7.44			
7 (1ss)	-7.40	2.95	10.01	1.61	7.17		7 (1ss)	-7.11	2.95	10.00	1.61	7.45			
8 (1ss)	-7.55	2.95	10.01	1.74	7.15		8 (1ss)	-7.34	2.95	10.00	1.74	7.35			
9 (1ss)	-7.56	2.95	10.01	1.77	7.17		9 (1ss)	-7.34	2.95	10.00	1.77	7.38			

Sample Calculation:

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

* 1ss: 1 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date October 27, 2023 October 31, 2023 January 30, 2024
Temperature / Humidity 25 deg. C / 33 % RH 25 deg. C / 33 % RH 22 deg. C / 44 % RH
Engineer Kazuya Noda Kazuya Noda Kazuya Noda
Mode Tx, Ant 2

11ax-80 (SISO)

Tested Frequency [MHz]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result				Conducted Power				Result				e.i.r.p.			
						Limit		Margin		Limit		Margin		Limit		Margin		Limit		Margin	
5210	-6.43	2.95	10.01	1.50	4.07	8.03	6.35	23.97	15.94	-	-	-	-	12.10	16.22	29.97	17.87	23.01	10.91	-	-
5290	-6.13	2.96	10.01	1.50	4.07	8.34	6.82	23.97	15.63	23.97	15.63	23.97	15.63	12.41	17.42	29.97	17.56	30.00	17.59	-	-
5530	-6.55	2.98	10.01	1.50	4.07	7.94	6.22	23.97	16.03	23.97	16.03	23.97	16.03	12.01	15.89	29.97	17.96	30.00	17.99	-	-
5775	-7.73	2.95	10.01	1.50	4.07	6.73	4.71	30.00	23.27	30.00	23.27	30.00	23.27	10.80	12.02	36.00	25.20	36.00	25.20	-	-

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (80.525 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (77.489 MHz) as conservative limit.

5210 MHz

Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks	Antenna	Mode	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	Result [dBm]	Remarks
Ant 0	0 (1ss)	-5.78	2.95	10.01	0.47	7.65		Ant 2	0 (1ss)	-5.54	2.95	10.01	0.47	7.89	
	1 (1ss)	-6.13	2.95	10.01	0.75	7.58			1 (1ss)	-5.85	2.95	10.01	0.75	7.86	
	2 (1ss)	-6.37	2.95	10.01	0.93	7.52			2 (1ss)	-6.07	2.95	10.01	0.93	7.82	
	3 (1ss)	-6.60	2.95	10.01	1.10	7.46			3 (1ss)	-6.33	2.95	10.01	1.10	7.73	
	4 (1ss)	-6.72	2.95	10.01	1.22	7.46			4 (1ss)	-6.40	2.95	10.01	1.22	7.78	
	5 (1ss)	-6.84	2.95	10.01	1.36	7.48			5 (1ss)	-6.56	2.95	10.01	1.36	7.76	
	6 (1ss)	-6.88	2.95	10.01	1.37	7.45			6 (1ss)	-6.60	2.95	10.01	1.37	7.73	
	7 (1ss)	-6.91	2.95	10.01	1.39	7.44			7 (1ss)	-6.61	2.95	10.01	1.39	7.74	
	8 (1ss)	-6.93	2.95	10.01	1.43	7.46			8 (1ss)	-6.78	2.95	10.01	1.43	7.61	
	9 (1ss)	-6.91	2.95	10.01	1.45	7.50			9 (1ss)	-6.74	2.95	10.01	1.45	7.67	
	10 (1ss)	-6.93	2.95	10.01	1.50	7.53			10 (1ss)	-6.43	2.95	10.01	1.50	8.03	Worst
	11 (1ss)	-6.94	2.95	10.01	1.51	7.53			11 (1ss)	-6.48	2.95	10.01	1.51	7.99	

Sample Calculation:

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

* 1ss: 1 spatial stream

Maximum Conducted Output Power

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.1 Measurement Room
September 29, 2023
24 deg. C / 46 % RH
Kazuya Noda
Tx, Ant 0 + Ant 2

September 29, 2023
24 deg. C / 48 % RH
Yusuke Tanikawara

July 9, 2024
23 deg. C / 37 % RH
Kouki Yamada

11n-20 (SDM)

Tested Frequency [MHz]	Conducted power								e.i.r.p.							
	0 [mW]	2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]	0 [mW]	2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5180	5.92	6.05	11.97	10.78	23.97	13.19	-	-	6.95	15.45	22.40	13.50	29.97	16.47	22.46	8.96
5220	6.50	6.37	12.87	11.10	23.97	12.87	-	-	7.64	16.26	23.89	13.78	29.97	16.19	22.46	8.68
5240	6.30	6.15	12.45	10.95	23.97	13.02	-	-	7.40	15.70	23.10	13.64	29.97	16.33	22.46	8.82
5260	6.21	6.05	12.27	10.89	23.97	13.08	23.46	12.57	7.30	15.45	22.75	13.57	29.97	16.40	29.46	15.89
5300	6.58	5.77	12.35	10.92	23.97	13.05	23.46	12.54	7.73	14.72	22.46	13.51	29.97	16.46	29.46	15.95
5320	6.63	5.92	12.54	10.98	23.97	12.99	23.46	12.48	7.79	15.10	22.89	13.60	29.97	16.37	29.46	15.86
5500	5.85	5.94	11.79	10.72	23.97	13.25	23.46	12.74	6.87	15.17	22.04	13.43	29.97	16.54	29.46	16.03
5580	5.89	6.11	12.00	10.79	23.97	13.18	23.46	12.67	6.92	15.60	22.51	13.52	29.97	16.45	29.46	15.94
5700	5.87	5.70	11.58	10.64	23.97	13.33	23.46	12.82	6.90	14.55	21.46	13.32	29.97	16.65	29.46	16.14
5745	4.29	4.68	8.96	9.52	30.00	20.48	30.00	20.48	5.04	11.94	16.97	12.30	36.00	23.70	36.00	23.70
5785	4.31	4.69	8.99	9.54	30.00	20.46	30.00	20.46	5.06	11.97	17.03	12.31	36.00	23.69	36.00	23.69
5825	4.06	4.86	8.93	9.51	30.00	20.49	30.00	20.49	4.78	12.42	17.19	12.35	36.00	23.65	36.00	23.65

Ant 0							Ant 2						
Tested Frequency	Duty Factor	Power Meter	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter	Cable Loss	Atten. Loss	Antenna Gain	Result	
		Reading				Cond.	e.i.r.p.	Reading				Cond.	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	Power [dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	Power [dBm]	[dBm]
5180	0.20	-5.43	2.95	10.00	0.70	7.72	8.42	-5.33	2.95	10.00	4.07	7.82	11.89
5220	0.20	-5.02	2.95	10.00	0.70	8.13	8.83	-5.11	2.95	10.00	4.07	8.04	12.11
5240	0.20	-5.16	2.95	10.00	0.70	7.99	8.69	-5.26	2.95	10.00	4.07	7.89	11.96
5260	0.20	-5.23	2.95	10.01	0.70	7.93	8.63	-5.34	2.96	10.00	4.07	7.82	11.89
5300	0.20	-4.99	2.96	10.01	0.70	8.18	8.88	-5.55	2.96	10.00	4.07	7.61	11.68
5320	0.20	-4.96	2.96	10.01	0.70	8.21	8.91	-5.44	2.96	10.00	4.07	7.72	11.79
5500	0.20	-5.52	2.98	10.01	0.70	7.67	8.37	-5.45	2.98	10.01	4.07	7.74	11.81
5580	0.20	-5.49	2.98	10.01	0.70	7.70	8.40	-5.33	2.98	10.01	4.07	7.86	11.93
5700	0.20	-5.51	2.99	10.01	0.70	7.69	8.39	-5.64	2.99	10.01	4.07	7.56	11.63
5745	0.20	-6.89	3.00	10.01	0.70	6.32	7.02	-6.52	3.00	10.02	4.07	6.70	10.77
5785	0.20	-6.87	3.00	10.01	0.70	6.34	7.04	-6.51	3.00	10.02	4.07	6.71	10.78
5825	0.20	-7.12	3.00	10.01	0.70	6.09	6.79	-6.35	3.00	10.02	4.07	6.87	10.94

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (23.719 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.635 MHz) as conservative limit.

Antenna : Ant 0							Antenna : Ant 2						
Mode	Freq.	P/M (AV) Reading	Cable Loss	Atten. Loss	Duty factor	1 port Result	P/M (AV) Reading	Cable Loss	Atten. Loss	Duty factor	1 port Result	Result	Remarks
(MCS)	[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	
8 (2ss)	5180	-5.43	2.95	10.00	0.20	7.72	-5.33	2.95	10.00	0.20	7.82	10.78	Worst
9 (2ss)	5180	-5.60	2.95	10.00	0.38	7.73	-5.57	2.95	10.00	0.38	7.76	10.76	
10 (2ss)	5180	-5.81	2.95	10.00	0.52	7.66	-5.71	2.95	10.00	0.52	7.76	10.72	
11 (2ss)	5180	-5.95	2.95	10.00	0.65	7.65	-5.73	2.95	10.00	0.65	7.87	10.77	
12 (2ss)	5180	-6.20	2.95	10.00	0.85	7.60	-6.14	2.95	10.00	0.85	7.66	10.64	
13 (2ss)	5180	-6.43	2.95	10.00	1.02	7.54	-6.39	2.95	10.00	1.02	7.58	10.57	
14 (2ss)	5180	-6.42	2.95	10.00	1.07	7.60	-6.41	2.95	10.00	1.07	7.61	10.62	
15 (2ss)	5180	-6.57	2.95	10.00	1.15	7.53	-6.49	2.95	10.00	1.15	7.61	10.58	

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

* 2ss: 2 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date September 29, 2023 September 29, 2023 July 9, 2024
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kouki Yamada
Mode Tx, Ant 0 + Ant 2

11ac-20 (SDM)

Tested Frequency [MHz]	Conducted power								e.i.r.p.							
	Ant 0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]	Ant 0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5180	5.87	6.15	12.03	10.80	23.97	13.17	-	-	6.90	15.70	22.61	13.54	29.97	16.43	22.48	8.94
5220	6.40	6.49	12.88	11.10	23.97	12.87	-	-	7.52	16.56	24.07	13.82	29.97	16.15	22.48	8.66
5240	6.21	6.27	12.47	10.96	23.97	13.01	-	-	7.29	16.00	23.29	13.67	29.97	16.30	22.48	8.81
5260	6.26	6.22	12.48	10.96	23.97	13.01	23.48	12.52	7.35	15.89	23.24	13.66	29.97	16.31	29.48	15.82
5300	6.52	5.96	12.48	10.96	23.97	13.01	23.48	12.52	7.66	15.21	22.87	13.59	29.97	16.38	29.48	15.89
5320	6.55	6.00	12.55	10.99	23.97	12.98	23.48	12.49	7.70	15.31	23.01	13.62	29.97	16.35	29.48	15.86
5500	5.68	6.04	11.71	10.69	23.97	13.28	23.48	12.79	6.67	15.42	22.09	13.44	29.97	16.53	29.48	16.04
5580	5.96	6.30	12.25	10.88	23.97	13.09	23.48	12.60	7.00	16.07	23.07	13.63	29.97	16.34	29.48	15.85
5700	5.92	6.04	11.96	10.78	23.97	13.19	23.48	12.70	6.95	15.42	22.37	13.50	29.97	16.47	29.48	15.98
5745	4.22	4.82	9.04	9.56	30.00	20.44	30.00	20.44	4.95	12.30	17.26	12.37	36.00	23.63	36.00	23.63
5785	4.35	4.61	8.96	9.52	30.00	20.48	30.00	20.48	5.11	11.78	16.88	12.27	36.00	23.73	36.00	23.73
5825	4.11	4.88	8.99	9.54	30.00	20.46	30.00	20.46	4.83	12.45	17.28	12.37	36.00	23.63	36.00	23.63

Ant 0						Ant 2							
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	0.64	-5.90	2.95	10.00	0.70	7.69	8.39	-5.70	2.95	10.00	4.07	7.89	11.96
5220	0.64	-5.53	2.95	10.00	0.70	8.06	8.76	-5.47	2.95	10.00	4.07	8.12	12.19
5240	0.64	-5.66	2.95	10.00	0.70	7.93	8.63	-5.62	2.95	10.00	4.07	7.97	12.04
5260	0.64	-5.64	2.95	10.01	0.70	7.96	8.66	-5.66	2.96	10.00	4.07	7.94	12.01
5300	0.64	-5.47	2.96	10.01	0.70	8.14	8.84	-5.85	2.96	10.00	4.07	7.75	11.82
5320	0.64	-5.45	2.96	10.01	0.70	8.16	8.86	-5.82	2.96	10.00	4.07	7.78	11.85
5500	0.64	-6.09	2.98	10.01	0.70	7.54	8.24	-5.82	2.98	10.01	4.07	7.81	11.88
5580	0.64	-5.88	2.98	10.01	0.70	7.75	8.45	-5.64	2.98	10.01	4.07	7.99	12.06
5700	0.64	-5.92	2.99	10.01	0.70	7.72	8.42	-5.83	2.99	10.01	4.07	7.81	11.88
5745	0.64	-7.40	3.00	10.01	0.70	6.25	6.95	-6.83	3.00	10.02	4.07	6.83	10.90
5785	0.64	-7.27	3.00	10.01	0.70	6.38	7.08	-7.02	3.00	10.02	4.07	6.64	10.71
5825	0.64	-7.51	3.00	10.01	0.70	6.14	6.84	-6.78	3.00	10.02	4.07	6.88	10.95

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (23.083 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.737 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

Mode	Freq.	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	Result [dBm]	Remarks
(MCS)	[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	
0 (2ss)	5180	-5.41	2.95	10.00	0.19	7.73	-5.33	2.95	10.00	0.19	7.81	10.78	Worst
1 (2ss)	5180	-5.62	2.95	10.00	0.36	7.69	-5.55	2.95	10.00	0.36	7.76	10.74	
2 (2ss)	5180	-5.81	2.95	10.00	0.51	7.65	-5.70	2.95	10.00	0.51	7.76	10.72	
3 (2ss)	5180	-5.90	2.95	10.00	0.64	7.69	-5.70	2.95	10.00	0.64	7.89	10.80	
4 (2ss)	5180	-6.16	2.95	10.00	0.83	7.62	-6.10	2.95	10.00	0.83	7.68	10.66	
5 (2ss)	5180	-6.39	2.95	10.00	0.98	7.54	-6.31	2.95	10.00	0.98	7.62	10.59	
6 (2ss)	5180	-6.46	2.95	10.00	1.04	7.53	-6.38	2.95	10.00	1.04	7.61	10.58	
7 (2ss)	5180	-6.49	2.95	10.00	1.11	7.57	-6.42	2.95	10.00	1.11	7.64	10.62	
8 (2ss)	5180	-6.57	2.95	10.00	1.18	7.56	-6.53	2.95	10.00	1.18	7.60	10.59	

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

* 2ss: 2 spatial stream

Maximum Conducted Output Power

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.1 Measurement Room
November 8, 2023 February 2, 2024
24 deg. C / 40 % RH 22 deg. C / 37 % RH
Kazuya Noda Kazuya Noda
Tx, Ant 0 + Ant 2

11ax-20 (SDM)

Tested Frequency [MHz]	Conducted power								e.i.r.p.							
	Ant 0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]	Ant 0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5180	6.85	6.88	13.73	11.38	23.97	12.59	-	-	8.05	17.56	25.61	14.08	29.97	15.89	22.77	8.69
5220	6.35	6.38	12.73	11.05	23.97	12.92	-	-	7.46	16.28	23.74	13.75	29.97	16.22	22.77	9.02
5240	7.02	6.57	13.60	11.33	23.97	12.64	-	-	8.25	16.77	25.03	13.98	29.97	15.99	22.77	8.79
5260	6.20	6.41	12.61	11.01	23.97	12.96	23.77	12.76	7.29	16.35	23.64	13.74	29.97	16.23	29.77	16.03
5300	6.48	6.12	12.60	11.00	23.97	12.97	23.77	12.77	7.61	15.62	23.23	13.66	29.97	16.31	29.77	16.11
5320	7.04	6.26	13.30	11.24	23.97	12.73	23.77	12.53	8.27	15.98	24.26	13.85	29.97	16.12	29.77	15.92
5500	6.62	6.98	13.59	11.33	23.97	12.64	23.77	12.44	7.77	17.81	25.58	14.08	29.97	15.89	29.77	15.69
5580	6.09	6.60	12.69	11.04	23.97	12.93	23.77	12.73	7.16	16.85	24.01	13.80	29.97	16.17	29.77	15.97
5700	6.06	5.95	12.01	10.80	23.97	13.17	23.77	12.97	7.12	15.19	22.32	13.49	29.97	16.48	29.77	16.28
5745	4.96	4.36	9.32	9.70	30.00	20.30	30.00	20.30	5.83	11.13	16.96	12.30	36.00	23.70	36.00	23.70
5785	4.82	5.00	9.81	9.92	30.00	20.08	30.00	20.08	5.66	12.75	18.41	12.65	36.00	23.35	36.00	23.35
5825	4.26	4.70	8.96	9.52	30.00	20.48	30.00	20.48	5.01	11.99	16.99	12.30	36.00	23.70	36.00	23.70

Ant 0						Ant 2							
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	1.42	-6.02	2.95	10.01	0.70	8.36	9.06	-5.99	2.95	10.00	4.07	8.38	12.45
5220	1.42	-6.35	2.95	10.01	0.70	8.03	8.73	-6.32	2.95	10.00	4.07	8.05	12.12
5240	1.42	-5.91	2.95	10.01	0.70	8.47	9.17	-6.19	2.95	10.00	4.07	8.18	12.25
5260	1.42	-6.45	2.95	10.01	0.70	7.93	8.63	-6.31	2.96	10.00	4.07	8.07	12.14
5300	1.42	-6.27	2.96	10.01	0.70	8.12	8.82	-6.51	2.96	10.00	4.07	7.87	11.94
5320	1.42	-5.91	2.96	10.01	0.70	8.48	9.18	-6.41	2.96	10.00	4.07	7.97	12.04
5500	1.42	-6.20	2.98	10.01	0.70	8.21	8.91	-5.97	2.98	10.01	4.07	8.44	12.51
5580	1.42	-6.56	2.98	10.01	0.70	7.85	8.55	-6.21	2.98	10.01	4.07	8.20	12.27
5700	1.42	-6.59	2.99	10.01	0.70	7.83	8.53	-6.67	2.99	10.01	4.07	7.75	11.82
5745	1.42	-7.47	3.00	10.01	0.70	6.96	7.66	-8.04	3.00	10.02	4.07	6.40	10.47
5785	1.42	-7.60	3.00	10.01	0.70	6.83	7.53	-7.45	3.00	10.02	4.07	6.99	11.06
5825	1.42	-8.13	3.00	10.01	0.70	6.30	7.00	-7.72	3.00	10.02	4.07	6.72	10.79

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

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

For all test frequencies, B was applied the minimum value (29.900 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.950 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

Mode	Freq.	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	P/M(AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	Result [dBm]	Remarks
(MCS)	[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	
0 (2ss)	5180	-5.36	2.95	10.01	0.27	7.87	-5.20	2.95	10.00	0.27	8.02	10.96	
1 (2ss)	5180	-5.59	2.95	10.01	0.44	7.81	-5.48	2.95	10.00	0.44	7.91	10.88	
2 (2ss)	5180	-5.69	2.95	10.01	0.58	7.85	-5.63	2.95	10.00	0.58	7.90	10.88	
3 (2ss)	5180	-5.84	2.95	10.01	0.71	7.83	-5.73	2.95	10.00	0.71	7.93	10.89	
4 (2ss)	5180	-6.00	2.95	10.01	0.89	7.85	-5.96	2.95	10.00	0.89	7.88	10.87	
5 (2ss)	5180	-6.25	2.95	10.01	1.03	7.74	-6.12	2.95	10.00	1.03	7.86	10.81	
6 (2ss)	5180	-6.28	2.95	10.01	1.10	7.78	-6.16	2.95	10.00	1.10	7.89	10.84	
7 (2ss)	5180	-6.33	2.95	10.01	1.13	7.76	-6.22	2.95	10.00	1.13	7.86	10.82	
8 (2ss)	5180	-6.38	2.95	10.01	1.19	7.77	-6.27	2.95	10.00	1.19	7.87	10.83	
9 (2ss)	5180	-6.37	2.95	10.01	1.21	7.80	-6.25	2.95	10.00	1.21	7.91	10.86	
10 (2ss)	5180	-5.87	2.95	10.01	1.26	8.35	-5.85	2.95	10.00	1.26	8.36	11.36	
11 (2ss)	5180	-6.02	2.95	10.01	1.42	8.36	-5.99	2.95	10.00	1.42	8.38	11.38	Worst

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

* 2ss: 2 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date September 29, 2023 September 29, 2023 July 9, 2024
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kouki Yamada
Mode Tx, Ant 0 + Ant 2

11n-40 (SDM)

Tested Frequency [MHz]	Conducted power								e.i.r.p.							
	Ant			Result [dBm]	FCC 15.407		RSS-247		Ant			Result [dBm]	FCC 15.407		RSS-247	
	0 [mW]	2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	0 [mW]	2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	5.53	6.27	11.80	10.72	23.97	13.25	-	-	6.50	16.00	22.50	13.52	29.97	16.45	23.01	9.49
5230	5.97	6.58	12.55	10.99	23.97	12.98	-	-	7.01	16.79	23.80	13.77	29.97	16.20	23.01	9.24
5270	5.73	6.44	12.17	10.85	23.97	13.12	23.97	13.12	6.74	16.44	23.18	13.65	29.97	16.32	30.00	16.35
5310	6.14	6.07	12.21	10.87	23.97	13.10	23.97	13.10	7.22	15.49	22.71	13.56	29.97	16.41	30.00	16.44
5510	5.32	6.22	11.54	10.62	23.97	13.35	23.97	13.35	6.25	15.89	22.14	13.45	29.97	16.52	30.00	16.55
5550	5.52	5.97	11.49	10.60	23.97	13.37	23.97	13.37	6.49	15.24	21.73	13.37	29.97	16.60	30.00	16.63
5670	5.58	6.11	11.69	10.68	23.97	13.29	23.97	13.29	6.56	15.60	22.16	13.46	29.97	16.51	30.00	16.54
5755	4.11	4.82	8.93	9.51	30.00	20.49	30.00	20.49	4.83	12.30	17.13	12.34	36.00	23.66	36.00	23.66
5795	4.07	4.85	8.93	9.51	30.00	20.49	30.00	20.49	4.79	12.39	17.17	12.35	36.00	23.65	36.00	23.65

Tested Frequency [MHz]	Ant 0							Ant 2						
	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5190	0.39	-5.91	2.95	10.00	0.70	7.43	8.13	-5.37	2.95	10.00	4.07	7.97	12.04	
5230	0.39	-5.58	2.95	10.00	0.70	7.76	8.46	-5.16	2.95	10.00	4.07	8.18	12.25	
5270	0.39	-5.77	2.95	10.01	0.70	7.58	8.28	-5.26	2.96	10.00	4.07	8.09	12.16	
5310	0.39	-5.48	2.96	10.01	0.70	7.88	8.58	-5.52	2.96	10.00	4.07	7.83	11.90	
5510	0.39	-6.12	2.98	10.01	0.70	7.26	7.96	-5.44	2.98	10.01	4.07	7.94	12.01	
5550	0.39	-5.96	2.98	10.01	0.70	7.42	8.12	-5.62	2.98	10.01	4.07	7.76	11.83	
5670	0.39	-5.92	2.99	10.01	0.70	7.47	8.17	-5.53	2.99	10.01	4.07	7.86	11.93	
5755	0.39	-7.26	3.00	10.01	0.70	6.14	6.84	-6.58	3.00	10.02	4.07	6.83	10.90	
5795	0.39	-7.30	3.00	10.01	0.70	6.10	6.80	-6.55	3.00	10.02	4.07	6.86	10.93	

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (39.458 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (35.856 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

Mode	Freq.	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	Result [dBm]	Remarks
(MCS)	[MHz]												
8 (2ss)	5190	-5.91	2.95	10.00	0.39	7.43	-5.37	2.95	10.00	0.39	7.97	10.72	Worst
9 (2ss)	5190	-6.25	2.95	10.00	0.65	7.35	-5.65	2.95	10.00	0.65	7.95	10.67	
10 (2ss)	5190	-6.52	2.95	10.00	0.87	7.30	-5.95	2.95	10.00	0.87	7.87	10.60	
11 (2ss)	5190	-6.81	2.95	10.00	1.02	7.16	-6.10	2.95	10.00	1.02	7.87	10.54	
12 (2ss)	5190	-7.00	2.95	10.00	1.25	7.20	-6.43	2.95	10.00	1.25	7.77	10.50	
13 (2ss)	5190	-7.26	2.95	10.00	1.44	7.13	-6.61	2.95	10.00	1.44	7.78	10.48	
14 (2ss)	5190	-7.28	2.95	10.00	1.50	7.17	-6.71	2.95	10.00	1.50	7.74	10.47	
15 (2ss)	5190	-7.40	2.95	10.00	1.56	7.11	-6.79	2.95	10.00	1.56	7.72	10.44	

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

* 2ss: 2 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date September 29, 2023 September 29, 2023 July 9, 2024
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kouki Yamada
Mode Tx, Ant 0 + Ant 2

11ac-40 (SDM)

Tested Frequency [MHz]	Conducted power								e.i.r.p.							
	Ant			Result [dBm]	FCC 15.407		RSS-247		Ant			Result [dBm]	FCC 15.407		RSS-247	
	0 [mW]	2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	0 [mW]	2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	5.48	6.27	11.75	10.70	23.97	13.27	-	-	6.44	16.00	22.44	13.51	29.97	16.46	23.01	9.50
5230	5.93	6.55	12.48	10.96	23.97	13.01	-	-	6.97	16.71	23.68	13.74	29.97	16.23	23.01	9.27
5270	5.75	6.50	12.25	10.88	23.97	13.09	23.97	13.09	6.75	16.60	23.35	13.68	29.97	16.29	30.00	16.32
5310	6.14	6.08	12.22	10.87	23.97	13.10	23.97	13.10	7.22	15.52	22.74	13.57	29.97	16.40	30.00	16.43
5510	5.36	6.24	11.60	10.64	23.97	13.33	23.97	13.33	6.30	15.92	22.22	13.47	29.97	16.50	30.00	16.53
5550	5.62	6.00	11.62	10.65	23.97	13.32	23.97	13.32	6.61	15.31	21.92	13.41	29.97	16.56	30.00	16.59
5670	5.47	6.21	11.68	10.67	23.97	13.30	23.97	13.30	6.43	15.85	22.28	13.48	29.97	16.49	30.00	16.52
5755	4.08	4.84	8.92	9.51	30.00	20.49	30.00	20.49	4.80	12.36	17.16	12.34	36.00	23.66	36.00	23.66
5795	4.02	4.98	9.00	9.54	30.00	20.46	30.00	20.46	4.72	12.71	17.43	12.41	36.00	23.59	36.00	23.59

Tested Frequency [MHz]	Ant 0							Ant 2						
	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5190	0.40	-5.96	2.95	10.00	0.70	7.39	8.09	-5.38	2.95	10.00	4.07	7.97	12.04	
5230	0.40	-5.62	2.95	10.00	0.70	7.73	8.43	-5.19	2.95	10.00	4.07	8.16	12.23	
5270	0.40	-5.77	2.95	10.01	0.70	7.59	8.29	-5.23	2.96	10.00	4.07	8.13	12.20	
5310	0.40	-5.49	2.96	10.01	0.70	7.88	8.58	-5.52	2.96	10.00	4.07	7.84	11.91	
5510	0.40	-6.10	2.98	10.01	0.70	7.29	7.99	-5.44	2.98	10.01	4.07	7.95	12.02	
5550	0.40	-5.89	2.98	10.01	0.70	7.50	8.20	-5.61	2.98	10.01	4.07	7.78	11.85	
5670	0.40	-6.02	2.99	10.01	0.70	7.38	8.08	-5.47	2.99	10.01	4.07	7.93	12.00	
5755	0.40	-7.30	3.00	10.01	0.70	6.11	6.81	-6.57	3.00	10.02	4.07	6.85	10.92	
5795	0.40	-7.37	3.00	10.01	0.70	6.04	6.74	-6.45	3.00	10.02	4.07	6.97	11.04	

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (39.344 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (35.809 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

Mode	Freq.	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	Result [dBm]	Remarks
(MCS)	[MHz]												
0 (2ss)	5190	-5.96	2.95	10.00	0.40	7.39	-5.38	2.95	10.00	0.40	7.97	10.70	Worst
1 (2ss)	5190	-6.26	2.95	10.00	0.67	7.36	-5.65	2.95	10.00	0.67	7.97	10.69	
2 (2ss)	5190	-6.42	2.95	10.00	0.89	7.42	-5.96	2.95	10.00	0.89	7.88	10.67	
3 (2ss)	5190	-6.67	2.95	10.00	1.04	7.32	-6.09	2.95	10.00	1.04	7.90	10.63	
4 (2ss)	5190	-6.98	2.95	10.00	1.29	7.26	-6.44	2.95	10.00	1.29	7.80	10.55	
5 (2ss)	5190	-7.13	2.95	10.00	1.45	7.27	-6.53	2.95	10.00	1.45	7.87	10.59	
6 (2ss)	5190	-7.22	2.95	10.00	1.51	7.24	-6.64	2.95	10.00	1.51	7.82	10.55	
7 (2ss)	5190	-7.29	2.95	10.00	1.57	7.23	-6.68	2.95	10.00	1.57	7.84	10.56	
8 (2ss)	5190	-7.59	2.95	10.00	1.67	7.03	-6.91	2.95	10.00	1.67	7.71	10.39	
9 (2ss)	5190	-7.65	2.95	10.00	1.74	7.04	-6.99	2.95	10.00	1.74	7.70	10.39	

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

* 2ss: 2 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 February 2, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 37 % RH
Engineer Kazuya Noda Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-40 (SDM)

Tested Frequency [MHz]	Conducted power								e.i.r.p.							
	Ant			Result [dBm]	FCC 15.407		RSS-247		Ant			Result [dBm]	FCC 15.407		RSS-247	
	0 [mW]	2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	0 [mW]	2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	5.65	6.69	12.34	10.91	23.97	13.06	-	-	6.64	17.07	23.71	13.75	29.97	16.22	23.01	9.26
5230	6.07	6.30	12.37	10.92	23.97	13.05	-	-	7.13	16.08	23.21	13.66	29.97	16.31	23.01	9.35
5270	5.61	6.97	12.58	11.00	23.97	12.97	23.97	12.97	6.59	17.80	24.38	13.87	29.97	16.10	30.00	16.13
5310	6.51	6.52	13.03	11.15	23.97	12.82	23.97	12.82	7.65	16.65	24.30	13.86	29.97	16.11	30.00	16.14
5510	5.97	6.73	12.71	11.04	23.97	12.93	23.97	12.93	7.02	17.19	24.21	13.84	29.97	16.13	30.00	16.16
5550	5.80	6.69	12.49	10.96	23.97	13.01	23.97	13.01	6.81	17.07	23.89	13.78	29.97	16.19	30.00	16.22
5670	5.07	6.80	11.87	10.74	23.97	13.23	23.97	13.23	5.96	17.35	23.31	13.68	29.97	16.29	30.00	16.32
5755	4.20	4.96	9.16	9.62	30.00	20.38	30.00	20.38	4.94	12.66	17.59	12.45	36.00	23.55	36.00	23.55
5795	4.08	5.22	9.29	9.68	30.00	20.32	30.00	20.32	4.79	13.31	18.10	12.58	36.00	23.42	36.00	23.42

Tested Frequency [MHz]	Ant 0							Ant 2						
	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5190	1.45	-6.89	2.95	10.01	0.70	7.52	8.22	-6.15	2.95	10.00	4.07	8.25	12.32	
5230	1.45	-6.58	2.95	10.01	0.70	7.83	8.53	-6.41	2.95	10.00	4.07	7.99	12.06	
5270	1.45	-6.94	2.96	10.01	0.70	7.49	8.19	-5.98	2.96	10.00	4.07	8.43	12.50	
5310	1.45	-6.29	2.96	10.01	0.70	8.14	8.84	-6.27	2.96	10.00	4.07	8.14	12.21	
5510	1.45	-6.68	2.98	10.01	0.70	7.76	8.46	-6.16	2.98	10.01	4.07	8.28	12.35	
5550	1.45	-6.81	2.98	10.01	0.70	7.63	8.33	-6.19	2.98	10.01	4.07	8.25	12.32	
5670	1.45	-7.40	2.99	10.01	0.70	7.05	7.75	-6.13	2.99	10.01	4.07	8.32	12.39	
5755	1.45	-8.23	3.00	10.01	0.70	6.23	6.93	-7.52	3.00	10.02	4.07	6.95	11.02	
5795	1.45	-8.36	3.00	10.01	0.70	6.10	6.80	-7.30	3.00	10.02	4.07	7.17	11.24	

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (39.759 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (37.864 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

Mode	Freq.	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	Result [dBm]	Remarks
(MCS)	[MHz]												
0 (2ss)	5190	-5.94	2.95	10.01	0.44	7.46	-5.41	2.95	10.00	0.44	7.98	10.73	
1 (2ss)	5190	-6.21	2.95	10.01	0.69	7.44	-5.72	2.95	10.00	0.69	7.92	10.70	
2 (2ss)	5190	-6.42	2.95	10.01	0.89	7.43	-5.88	2.95	10.00	0.89	7.96	10.71	
3 (2ss)	5190	-6.56	2.95	10.01	1.03	7.43	-6.03	2.95	10.00	1.03	7.95	10.71	
4 (2ss)	5190	-6.70	2.95	10.01	1.19	7.45	-6.28	2.95	10.00	1.19	7.86	10.67	
5 (2ss)	5190	-6.95	2.95	10.01	1.32	7.33	-6.42	2.95	10.00	1.32	7.85	10.60	
6 (2ss)	5190	-6.96	2.95	10.01	1.37	7.37	-6.44	2.95	10.00	1.37	7.88	10.64	
7 (2ss)	5190	-6.98	2.95	10.01	1.39	7.37	-6.46	2.95	10.00	1.39	7.88	10.64	
8 (2ss)	5190	-7.20	2.95	10.01	1.40	7.16	-6.65	2.95	10.00	1.40	7.70	10.45	
9 (2ss)	5190	-7.11	2.95	10.01	1.44	7.29	-6.65	2.95	10.00	1.44	7.74	10.53	
10 (2ss)	5190	-6.89	2.95	10.01	1.45	7.52	-6.15	2.95	10.00	1.45	8.25	10.91	Worst
11 (2ss)	5190	-6.96	2.95	10.01	1.46	7.46	-6.21	2.95	10.00	1.46	8.20	10.85	

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

* 2ss: 2 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date September 29, 2023 September 29, 2023 July 9, 2024
Temperature / Humidity 24 deg. C / 46 % RH 24 deg. C / 48 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kouki Yamada
Mode Tx, Ant 0 + Ant 2

11ac-80 (SDM)

Tested Frequency [MHz]	Conducted power								e.i.r.p.							
	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
[mW]	[mW]	[mW]	[dBm]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	5.33	5.65	10.98	10.41	23.97	13.56	-	-	6.27	14.42	20.69	13.16	29.97	16.81	23.01	9.85
5290	5.50	6.03	11.53	10.62	23.97	13.35	23.97	13.35	6.46	15.38	21.84	13.39	29.97	16.58	30.00	16.61
5530	5.14	5.68	10.82	10.34	23.97	13.63	23.97	13.63	6.04	14.49	20.53	13.12	29.97	16.85	30.00	16.88
5775	4.06	4.86	8.93	9.51	30.00	20.49	30.00	20.49	4.78	12.42	17.19	12.35	36.00	23.65	36.00	23.65

Ant 0								Ant 2							
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	Result	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	Result		
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]		
5210	0.69	-6.37	2.95	10.00	0.70	7.27	7.97	-6.12	2.95	10.00	4.07	7.52	11.59		
5290	0.69	-6.26	2.96	10.01	0.70	7.40	8.10	-5.85	2.96	10.00	4.07	7.80	11.87		
5530	0.69	-6.57	2.98	10.01	0.70	7.11	7.81	-6.14	2.98	10.01	4.07	7.54	11.61		
5775	0.69	-7.61	3.00	10.01	0.70	6.09	6.79	-6.84	3.00	10.02	4.07	6.87	10.94		

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (79.236 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (75.163 MHz) as conservative limit.

Antenna : Ant 0

Antenna : Ant 2

Mode	Freq.	P/M (AV)	Cable	Atten.	Duty	1 port	P/M (AV)	Cable	Atten.	Duty	1 port	Result	Remarks
(MCS)	[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	
0 (2ss)	5210	-6.37	2.95	10.00	0.69	7.27	-6.12	2.95	10.00	0.69	7.52	10.41	Worst
1 (2ss)	5210	-6.79	2.95	10.00	1.08	7.24	-6.59	2.95	10.00	1.08	7.44	10.35	
2 (2ss)	5210	-7.03	2.95	10.00	1.32	7.24	-6.88	2.95	10.00	1.32	7.39	10.33	
3 (2ss)	5210	-7.33	2.95	10.00	1.48	7.10	-7.05	2.95	10.00	1.48	7.38	10.25	
4 (2ss)	5210	-7.50	2.95	10.00	1.69	7.14	-7.31	2.95	10.00	1.69	7.33	10.25	
5 (2ss)	5210	-7.67	2.95	10.00	1.76	7.04	-7.40	2.95	10.00	1.76	7.31	10.19	
6 (2ss)	5210	-7.66	2.95	10.00	1.80	7.09	-7.48	2.95	10.00	1.80	7.27	10.19	
7 (2ss)	5210	-7.65	2.95	10.00	1.84	7.14	-7.50	2.95	10.00	1.84	7.29	10.23	
8 (2ss)	5210	-7.87	2.95	10.00	1.93	7.01	-7.74	2.95	10.00	1.93	7.14	10.09	
9 (2ss)	5210	-7.88	2.95	10.00	1.97	7.04	-7.75	2.95	10.00	1.97	7.17	10.12	

Sample Calculation:

1port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

* 2ss: 2 spatial stream

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 February 2, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 37 % RH
Engineer Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-80 (SDM)

Tested Frequency [MHz]	Conducted power								e.i.r.p.							
	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5210	5.68	6.22	11.90	10.75	23.97	13.22	-	-	6.67	15.89	22.55	13.53	29.97	16.44	23.01	9.48
5290	5.98	6.67	12.64	11.02	23.97	12.95	23.97	12.95	7.02	17.02	24.04	13.81	29.97	16.16	30.00	16.19
5530	5.71	6.59	12.31	10.90	23.97	13.07	23.97	13.07	6.71	16.83	23.54	13.72	29.97	16.25	30.00	16.28
5775	4.38	4.66	9.03	9.56	30.00	20.44	30.00	20.44	5.14	11.89	17.03	12.31	36.00	23.69	36.00	23.69

		Ant 0							Ant 2						
Tested Frequency	Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result			
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]		
5210	1.63	-7.05	2.95	10.01	0.70	7.54	8.24	-6.64	2.95	10.00	4.07	7.94	12.01		
5290	1.63	-6.84	2.96	10.01	0.70	7.76	8.46	-6.35	2.96	10.00	4.07	8.24	12.31		
5530	1.63	-7.05	2.98	10.01	0.70	7.57	8.27	-6.43	2.98	10.01	4.07	8.19	12.26		
5775	1.63	-8.23	3.00	10.01	0.70	6.41	7.11	-7.97	3.00	10.02	4.07	6.68	10.75		

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (80.525 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (77.489 MHz) as conservative limit.

Antenna : Ant 0							Antenna : Ant 2						
Mode	Freq.	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty factor [dB]	1 port Result [dBm]	Result [dBm]	Remarks
(MCS)	[MHz]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	
0 (2ss)	5210	-6.24	2.95	10.01	0.74	7.46	-6.07	2.95	10.00	0.74	7.62	10.55	
1 (2ss)	5210	-6.65	2.95	10.01	1.07	7.38	-6.44	2.95	10.00	1.07	7.58	10.49	
2 (2ss)	5210	-6.75	2.95	10.01	1.18	7.39	-6.53	2.95	10.00	1.18	7.60	10.50	
3 (2ss)	5210	-6.89	2.95	10.01	1.30	7.37	-6.63	2.95	10.00	1.30	7.62	10.51	
4 (2ss)	5210	-7.01	2.95	10.01	1.40	7.35	-6.78	2.95	10.00	1.40	7.57	10.48	
5 (2ss)	5210	-7.18	2.95	10.01	1.50	7.28	-6.98	2.95	10.00	1.50	7.47	10.39	
6 (2ss)	5210	-7.21	2.95	10.01	1.54	7.29	-7.00	2.95	10.00	1.54	7.49	10.40	
7 (2ss)	5210	-7.22	2.95	10.01	1.55	7.29	-7.01	2.95	10.00	1.55	7.49	10.40	
8 (2ss)	5210	-7.29	2.95	10.01	1.58	7.25	-7.16	2.95	10.00	1.58	7.37	10.33	
9 (2ss)	5210	-7.26	2.95	10.01	1.60	7.30	-6.98	2.95	10.00	1.60	7.57	10.44	
10 (2ss)	5210	-7.05	2.95	10.01	1.63	7.54	-6.64	2.95	10.00	1.63	7.94	10.76	Worst
11 (2ss)	5210	-7.13	2.95	10.01	1.63	7.46	-6.68	2.95	10.00	1.63	7.90	10.70	

Sample Calculation:

1 port Result = Reading + Cable Loss + Atten. Loss + Duty factor

Result = (Ant 0) 1 port Result + (Ant 2) 1 port Result

2ss: 2 spatial stream

Maximum Conducted Output Power

Test place: Shonan EMC Lab. No.1 Measurement Room
 Date: November 1, 2023 November 24, 2023 January 31, 2024 July 9, 2024
 Temperature / Humidity: 25deg. C / 39 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH
 Engineer: Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada
 Mode: Tx, Ant 2

11ax-20 (OFDMA) (SISO) 26-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dB]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	FCC 15.407 Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	FCC 15.407 Margin [dB]	Limit [dBm]	Margin [dB]
5180	0	-9.23	2.95	10.01	0.37	4.07	4.10	2.57	23.97	19.87	-	-	8.17	6.57	29.97	21.80	22.29	14.12
	4	-9.07	2.95	10.01	0.37	4.07	4.26	2.67	23.97	19.87	-	-	8.33	6.82	29.97	21.64	22.29	13.96
	8	-9.01	2.95	10.01	0.37	4.07	4.32	2.71	23.97	19.87	-	-	8.39	6.91	29.97	21.58	22.29	13.90
5220	0	-8.98	2.95	10.01	0.37	4.07	4.35	2.73	23.97	19.62	-	-	8.42	6.96	29.97	21.55	22.29	13.87
	4	-8.87	2.95	10.01	0.37	4.07	4.46	2.80	23.97	19.62	-	-	8.53	7.14	29.97	21.44	22.29	13.76
	8	-8.77	2.95	10.01	0.37	4.07	4.56	2.86	23.97	19.62	-	-	8.63	7.30	29.97	21.34	22.29	13.66
5240	0	-8.64	2.95	10.01	0.37	4.07	4.69	2.95	23.97	19.28	-	-	8.76	7.52	29.97	21.21	22.29	13.53
	4	-8.39	2.95	10.01	0.37	4.07	4.94	3.12	23.97	19.28	-	-	9.01	7.97	29.97	20.96	22.29	13.28
	8	-8.38	2.95	10.01	0.37	4.07	4.95	3.13	23.97	19.28	-	-	9.02	7.99	29.97	20.95	22.29	13.27
5260	0	-9.92	2.95	10.01	0.37	4.07	3.41	2.20	23.56	20.15	23.29	19.88	7.48	5.60	29.97	22.49	29.29	21.81
	4	-9.75	2.95	10.01	0.37	4.07	3.58	2.28	23.56	20.15	23.29	19.88	7.65	5.83	29.97	22.32	29.29	21.64
	8	-9.71	2.95	10.01	0.37	4.07	3.62	2.30	23.56	20.15	23.29	19.88	7.69	5.88	29.97	22.28	29.29	21.60
5300	0	-10.22	2.96	10.01	0.37	4.07	3.12	2.05	23.56	20.44	23.29	20.17	7.19	5.24	29.97	22.78	29.29	22.10
	4	-9.95	2.96	10.01	0.37	4.07	3.39	2.19	23.56	20.44	23.29	20.17	7.46	5.58	29.97	22.51	29.29	21.83
	8	-9.83	2.96	10.01	0.37	4.07	3.51	2.25	23.56	20.44	23.29	20.17	7.58	5.73	29.97	22.39	29.29	21.71
5320	0	-9.74	2.96	10.01	0.37	4.07	3.60	2.29	23.56	19.96	23.29	19.69	7.67	5.85	29.97	22.30	29.29	21.62
	4	-9.54	2.96	10.01	0.37	4.07	3.80	2.40	23.56	19.96	23.29	19.69	7.87	6.13	29.97	22.10	29.29	21.42
	8	-9.48	2.96	10.01	0.37	4.07	3.86	2.43	23.56	19.96	23.29	19.69	7.93	6.22	29.97	22.04	29.29	21.36
5500	0	-9.51	2.98	10.01	0.37	4.07	3.85	2.43	23.56	19.71	23.29	19.44	7.92	6.20	29.97	22.05	29.29	21.37
	4	-9.41	2.98	10.01	0.37	4.07	3.95	2.49	23.56	19.71	23.29	19.44	8.02	6.35	29.97	21.95	29.29	21.27
	8	-9.44	2.98	10.01	0.37	4.07	3.92	2.47	23.56	19.71	23.29	19.44	7.99	6.30	29.97	21.98	29.29	21.30
5580	0	-9.16	2.98	10.01	0.37	4.07	4.20	2.63	23.56	19.36	23.29	19.09	8.27	6.72	29.97	21.70	29.29	21.02
	4	-9.05	2.98	10.01	0.37	4.07	4.31	2.70	23.56	19.36	23.29	19.09	8.38	6.89	29.97	21.59	29.29	20.91
	8	-9.03	2.98	10.01	0.37	4.07	4.33	2.71	23.56	19.36	23.29	19.09	8.40	6.93	29.97	21.57	29.29	20.89
5700	0	-9.86	2.99	10.01	0.37	4.07	3.51	2.25	23.56	20.05	23.29	19.78	7.58	5.73	29.97	22.39	29.29	21.71
	4	-9.74	2.99	10.01	0.37	4.07	3.63	2.31	23.56	20.05	23.29	19.78	7.70	5.90	29.97	22.27	29.29	21.59
	8	-9.87	2.99	10.01	0.37	4.07	3.50	2.24	23.56	20.05	23.29	19.78	7.57	5.72	29.97	22.40	29.29	21.72
5745	0	-6.81	3.00	10.01	0.37	4.07	6.57	4.54	30.00	23.43	30.00	23.43	10.64	11.60	36.00	25.36	36.00	25.36
	4	-6.85	3.00	10.01	0.37	4.07	6.53	4.50	30.00	23.43	30.00	23.43	10.60	11.49	36.00	25.40	36.00	25.40
	8	-6.82	3.00	10.01	0.37	4.07	6.56	4.53	30.00	23.43	30.00	23.43	10.63	11.57	36.00	25.37	36.00	25.37
5785	0	-6.23	3.00	10.01	0.37	4.07	7.15	5.19	30.00	22.85	30.00	22.85	11.22	13.26	36.00	24.78	36.00	24.78
	4	-6.18	3.00	10.01	0.37	4.07	7.20	5.25	30.00	22.85	30.00	22.85	11.27	13.41	36.00	24.73	36.00	24.73
	8	-6.20	3.00	10.01	0.37	4.07	7.18	5.23	30.00	22.85	30.00	22.85	11.25	13.35	36.00	24.75	36.00	24.75
5825	0	-6.83	3.00	10.01	0.37	4.07	6.55	4.52	30.00	23.45	30.00	23.45	10.62	11.55	36.00	25.38	36.00	25.38
	4	-6.75	3.00	10.01	0.37	4.07	6.63	4.61	30.00	23.45	30.00	23.45	10.70	11.76	36.00	25.30	36.00	25.30
	8	-6.74	3.00	10.01	0.37	4.07	6.64	4.62	30.00	23.45	30.00	23.45	10.71	11.79	36.00	25.29	36.00	25.29

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
 e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.036 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.959 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 1, 2023 November 24, 2023 January 31, 2024 July 9, 2024
Temperature / Humidity 25deg. C / 39 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada
Mode Tx, Ant 2

11ax-20 (OFDMA) (SISO) 52-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dB]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5180	37	-6.10	2.95	10.01	0.61	4.07	7.47	5.59	23.97	16.50	-	-	11.54	14.27	29.97	18.43	22.29	10.75
	38	-6.09	2.95	10.01	0.61	4.07	7.48	5.60	23.97	16.50	-	-	11.55	14.30	29.97	18.42	22.29	10.74
	40	-5.95	2.95	10.01	0.61	4.07	7.62	5.79	23.97	16.50	-	-	11.69	14.77	29.97	18.28	22.29	10.60
5220	37	-6.06	2.95	10.01	0.61	4.07	7.51	5.64	23.97	16.46	-	-	11.58	14.40	29.97	18.39	22.29	10.71
	38	-6.03	2.95	10.01	0.61	4.07	7.54	5.68	23.97	16.46	-	-	11.61	14.50	29.97	18.36	22.29	10.68
	40	-5.90	2.95	10.01	0.61	4.07	7.67	5.85	23.97	16.46	-	-	11.74	14.94	29.97	18.23	22.29	10.55
5240	37	-5.64	2.95	10.01	0.61	4.07	7.93	6.21	23.97	16.04	-	-	12.00	15.86	29.97	17.97	22.29	10.29
	38	-5.63	2.95	10.01	0.61	4.07	7.94	6.23	23.97	16.04	-	-	12.01	15.90	29.97	17.96	22.29	10.28
	40	-5.59	2.95	10.01	0.61	4.07	7.98	6.29	23.97	16.04	-	-	12.05	16.05	29.97	17.92	22.29	10.24
5260	37	-6.58	2.95	10.01	0.61	4.07	6.99	5.00	23.58	16.59	23.29	16.30	11.06	12.78	29.97	18.91	29.29	18.23
	38	-6.45	2.95	10.01	0.61	4.07	7.12	5.16	23.58	16.59	23.29	16.30	11.19	13.16	29.97	18.78	29.29	18.10
	40	-6.46	2.95	10.01	0.61	4.07	7.11	5.14	23.58	16.59	23.29	16.30	11.18	13.13	29.97	18.79	29.29	18.11
5300	37	-7.19	2.96	10.01	0.61	4.07	6.39	4.36	23.58	17.19	23.29	16.90	10.46	11.13	29.97	19.51	29.29	18.83
	38	-7.04	2.96	10.01	0.61	4.07	6.54	4.51	23.58	17.19	23.29	16.90	10.61	11.52	29.97	19.36	29.29	18.68
	40	-6.91	2.96	10.01	0.61	4.07	6.67	4.65	23.58	17.19	23.29	16.90	10.74	11.87	29.97	19.23	29.29	18.55
5320	37	-6.70	2.96	10.01	0.61	4.07	6.88	4.88	23.58	16.70	23.29	16.41	10.95	12.46	29.97	19.02	29.29	18.34
	38	-6.61	2.96	10.01	0.61	4.07	6.97	4.98	23.58	16.70	23.29	16.41	11.04	12.72	29.97	18.93	29.29	18.25
	40	-6.51	2.96	10.01	0.61	4.07	7.07	5.10	23.58	16.70	23.29	16.41	11.14	13.01	29.97	18.83	29.29	18.15
5500	37	-6.61	2.98	10.01	0.61	4.07	6.99	5.00	23.58	16.59	23.29	16.30	11.06	12.78	29.97	18.91	29.29	18.23
	38	-6.51	2.98	10.01	0.61	4.07	7.09	5.12	23.58	16.59	23.29	16.30	11.16	13.07	29.97	18.81	29.29	18.13
	40	-6.47	2.98	10.01	0.61	4.07	7.13	5.17	23.58	16.59	23.29	16.30	11.20	13.19	29.97	18.77	29.29	18.09
5580	37	-6.49	2.98	10.01	0.61	4.07	7.11	5.14	23.58	16.47	23.29	16.18	11.18	13.13	29.97	18.79	29.29	18.11
	38	-6.40	2.98	10.01	0.61	4.07	7.20	5.25	23.58	16.47	23.29	16.18	11.27	13.41	29.97	18.70	29.29	18.02
	40	-6.35	2.98	10.01	0.61	4.07	7.25	5.31	23.58	16.47	23.29	16.18	11.32	13.56	29.97	18.65	29.29	17.97
5700	37	-6.84	2.99	10.01	0.61	4.07	6.77	4.76	23.58	16.81	23.29	16.52	10.84	12.14	29.97	19.13	29.29	18.45
	38	-6.77	2.99	10.01	0.61	4.07	6.84	4.83	23.58	16.81	23.29	16.52	10.91	12.34	29.97	19.06	29.29	18.38
	40	-6.85	2.99	10.01	0.61	4.07	6.76	4.75	23.58	16.81	23.29	16.52	10.83	12.12	29.97	19.14	29.29	18.46
5745	37	-7.07	3.00	10.01	0.61	4.07	6.55	4.52	30.00	23.45	30.00	23.45	10.62	11.54	36.00	25.38	36.00	25.38
	38	-7.08	3.00	10.01	0.61	4.07	6.54	4.51	30.00	23.45	30.00	23.45	10.61	11.52	36.00	25.39	36.00	25.39
	40	-7.00	3.00	10.01	0.61	4.07	6.62	4.60	30.00	23.45	30.00	23.45	10.69	11.73	36.00	25.31	36.00	25.31
5785	37	-6.74	3.00	10.01	0.61	4.07	6.88	4.88	30.00	23.12	30.00	23.12	10.95	12.46	36.00	25.05	36.00	25.05
	38	-6.71	3.00	10.01	0.61	4.07	6.91	4.91	30.00	23.12	30.00	23.12	10.98	12.54	36.00	25.02	36.00	25.02
	40	-6.72	3.00	10.01	0.61	4.07	6.90	4.90	30.00	23.12	30.00	23.12	10.97	12.51	36.00	25.03	36.00	25.03
5825	37	-7.03	3.00	10.01	0.61	4.07	6.59	4.56	30.00	23.41	30.00	23.41	10.66	11.65	36.00	25.34	36.00	25.34
	38	-6.88	3.00	10.01	0.61	4.07	6.74	4.72	30.00	23.41	30.00	23.41	10.81	12.06	36.00	25.19	36.00	25.19
	40	-6.93	3.00	10.01	0.61	4.07	6.69	4.67	30.00	23.41	30.00	23.41	10.76	11.92	36.00	25.24	36.00	25.24

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.147 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.980 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 1, 2023 November 24, 2023 January 31, 2024 July 9, 2024
Temperature / Humidity 25deg. C / 39 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada
Mode Tx, Ant 2

11ax-20 (OFDMA) (SISO) 106-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5180	37	-6.03	2.95	10.01	0.98	4.07	7.91	6.18	23.97	16.06	-	-	11.98	15.77	29.97	17.99	22.55	10.57
	40	-5.95	2.95	10.01	0.98	4.07	7.99	6.29	23.97	16.06	-	-	12.06	16.06	29.97	17.91	22.55	10.49
5220	37	-5.92	2.95	10.01	0.98	4.07	8.02	6.34	23.97	15.95	-	-	12.09	16.18	29.97	17.88	22.55	10.46
	40	-5.86	2.95	10.01	0.98	4.07	8.08	6.42	23.97	15.95	-	-	12.15	16.40	29.97	17.82	22.55	10.40
5240	37	-5.53	2.95	10.01	0.98	4.07	8.41	6.93	23.97	15.56	-	-	12.48	17.70	29.97	17.49	22.55	10.07
	40	-5.45	2.95	10.01	0.98	4.07	8.49	7.06	23.97	15.56	-	-	12.56	18.02	29.97	17.41	22.55	9.99
5260	37	-5.87	2.95	10.01	0.98	4.07	8.07	6.41	23.97	15.90	23.55	15.48	12.14	16.36	29.97	17.83	29.55	17.41
	40	-5.75	2.95	10.01	0.98	4.07	8.19	6.59	23.97	15.90	23.55	15.48	12.26	16.82	29.97	17.71	29.55	17.29
5300	37	-6.41	2.96	10.01	0.98	4.07	7.54	5.67	23.97	16.43	23.55	16.01	11.61	14.48	29.97	18.36	29.55	17.94
	40	-6.25	2.96	10.01	0.98	4.07	7.70	5.89	23.97	16.43	23.55	16.01	11.77	15.03	29.97	18.20	29.55	17.78
5320	37	-5.75	2.96	10.01	0.98	4.07	8.20	6.60	23.97	15.77	23.55	15.35	12.27	16.86	29.97	17.70	29.55	17.28
	40	-5.60	2.96	10.01	0.98	4.07	8.35	6.84	23.97	15.77	23.55	15.35	12.42	17.45	29.97	17.55	29.55	17.13
5500	37	-5.89	2.98	10.01	0.98	4.07	8.08	6.42	23.97	15.89	23.55	15.47	12.15	16.40	29.97	17.82	29.55	17.40
	40	-5.80	2.98	10.01	0.98	4.07	8.17	6.56	23.97	15.89	23.55	15.47	12.24	16.74	29.97	17.73	29.55	17.31
5580	37	-5.75	2.98	10.01	0.98	4.07	8.22	6.64	23.97	15.75	23.55	15.33	12.29	16.94	29.97	17.68	29.55	17.26
	40	-5.74	2.98	10.01	0.98	4.07	8.23	6.65	23.97	15.75	23.55	15.33	12.30	16.98	29.97	17.67	29.55	17.25
5700	37	-6.18	2.99	10.01	0.98	4.07	7.80	6.02	23.97	16.17	23.55	15.75	11.87	15.38	29.97	18.10	29.55	17.68
	40	-6.16	2.99	10.01	0.98	4.07	7.82	6.05	23.97	16.17	23.55	15.75	11.89	15.45	29.97	18.08	29.55	17.66
5745	37	-7.47	3.00	10.01	0.98	4.07	6.52	4.49	30.00	23.48	30.00	23.48	10.59	11.45	36.00	25.41	36.00	25.41
	40	-7.38	3.00	10.01	0.98	4.07	6.61	4.58	30.00	23.48	30.00	23.48	10.68	11.69	36.00	25.32	36.00	25.32
5785	37	-6.91	3.00	10.01	0.98	4.07	7.08	5.10	30.00	22.92	30.00	22.92	11.15	13.03	36.00	24.85	36.00	24.85
	40	-8.86	3.00	10.01	0.98	4.07	5.13	3.26	30.00	22.92	30.00	22.92	9.20	8.32	36.00	26.80	36.00	26.80
5825	37	-7.18	3.00	10.01	0.98	4.07	6.81	4.80	30.00	23.19	30.00	23.19	10.88	12.24	36.00	25.12	36.00	25.12
	40	-7.12	3.00	10.01	0.98	4.07	6.87	4.86	30.00	23.19	30.00	23.19	10.94	12.41	36.00	25.06	36.00	25.06

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (19.954 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.021 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 1, 2023 November 24, 2023 January 31, 2024 July 9, 2024
Temperature / Humidity 25deg. C / 39 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada
Mode Tx, Ant 2

11ax-20 (OFDMA) (SISO) 242-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5180	61	-6.39	2.95	10.01	1.37	4.07	7.94	6.22	23.97	16.03	-	-	12.01	15.87	29.97	17.96	22.77	10.76
5220	61	-6.28	2.95	10.01	1.37	4.07	8.05	6.38	23.97	15.92	-	-	12.12	16.28	29.97	17.85	22.77	10.65
5240	61	-6.03	2.95	10.01	1.37	4.07	8.30	6.75	23.97	15.67	-	-	12.37	17.24	29.97	17.60	22.77	10.40
5260	61	-6.16	2.95	10.01	1.37	4.07	8.17	6.56	23.97	15.80	23.77	15.60	12.24	16.73	29.97	17.73	29.77	17.53
5300	61	-6.49	2.96	10.01	1.37	4.07	7.85	6.09	23.97	16.12	23.77	15.92	11.92	15.54	29.97	18.05	29.77	17.85
5320	61	-6.03	2.96	10.01	1.37	4.07	8.31	6.77	23.97	15.66	23.77	15.46	12.38	17.28	29.97	17.59	29.77	17.39
5500	61	-6.33	2.98	10.01	1.37	4.07	8.03	6.35	23.97	15.94	23.77	15.74	12.10	16.20	29.97	17.87	29.77	17.67
5580	61	-6.14	2.98	10.01	1.37	4.07	8.22	6.63	23.97	15.75	23.77	15.55	12.29	16.93	29.97	17.68	29.77	17.48
5700	61	-6.69	2.99	10.01	1.37	4.07	7.68	5.86	23.97	16.29	23.77	16.09	11.75	14.95	29.97	18.22	29.77	18.02
5745	61	-7.85	3.00	10.01	1.37	4.07	6.53	4.49	30.00	23.47	30.00	23.47	10.60	11.47	36.00	25.40	36.00	25.40
5785	61	-7.54	3.00	10.01	1.37	4.07	6.84	4.83	30.00	23.16	30.00	23.16	10.91	12.32	36.00	25.09	36.00	25.09
5825	61	-7.52	3.00	10.01	1.37	4.07	6.86	4.85	30.00	23.14	30.00	23.14	10.93	12.38	36.00	25.07	36.00	25.07

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (30.191 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.954 MHz) as conservative limit.

Maximum Conducted Output Power

Test place: Shonan EMC Lab. No.1 Measurement Room
Date: November 1, 2023 November 24, 2023 January 31, 2024 July 9, 2024
Temperature / Humidity: 25deg. C / 39 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH
Engineer: Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada
Mode: Tx, Ant 2

11ax-40 (OFDMA) (SISO) 26-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dB]	Conducted Power				e.i.r.p.			
							Result [dBm]	Result [mW]	FCC 15.407 Limit [dBm]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm]	RSS-247 Margin [dB]	Result [dBm]	Result [mW]
5190	0	-9.45	2.95	10.01	0.37	4.07	3.88	2.45	23.97	20.09	-	-	7.95	6.24
	8	-9.37	2.95	10.01	0.37	4.07	3.96	2.49	23.97	20.09	-	-	8.03	6.36
	17	-9.72	2.95	10.01	0.37	4.07	3.61	2.30	23.97	20.09	-	-	7.68	5.87
5230	0	-10.14	2.95	10.01	0.37	4.07	3.19	2.09	23.97	20.78	-	-	7.26	5.33
	8	-9.73	2.95	10.01	0.37	4.07	3.60	2.29	23.97	20.78	-	-	7.67	5.85
	17	-9.98	2.95	10.01	0.37	4.07	3.35	2.17	23.97	20.78	-	-	7.42	5.53
5270	0	-12.91	2.96	10.01	0.37	4.07	0.43	1.11	23.74	23.31	23.56	23.13	4.50	2.82
	8	-12.33	2.96	10.01	0.37	4.07	1.01	1.26	23.74	23.31	23.56	23.13	5.08	3.22
	17	-12.49	2.96	10.01	0.37	4.07	0.85	1.22	23.74	23.31	23.56	23.13	4.92	3.11
5310	0	-12.97	2.96	10.01	0.37	4.07	0.37	1.09	23.74	23.37	23.56	23.19	4.44	2.78
	8	-12.22	2.96	10.01	0.37	4.07	1.12	1.30	23.74	23.37	23.56	23.19	5.19	3.31
	17	-12.43	2.96	10.01	0.37	4.07	0.91	1.23	23.74	23.37	23.56	23.19	4.98	3.15
5510	0	-9.65	2.98	10.01	0.37	4.07	3.71	2.35	23.74	20.03	23.56	19.85	7.78	6.00
	8	-9.17	2.98	10.01	0.37	4.07	4.19	2.63	23.74	20.03	23.56	19.85	8.26	6.71
	17	-9.46	2.98	10.01	0.37	4.07	3.90	2.46	23.74	20.03	23.56	19.85	7.97	6.27
5550	0	-9.91	2.98	10.01	0.37	4.07	3.45	2.22	23.74	20.29	23.56	20.11	7.52	5.66
	8	-9.42	2.98	10.01	0.37	4.07	3.94	2.48	23.74	20.29	23.56	20.11	8.01	6.33
	17	-9.74	2.98	10.01	0.37	4.07	3.62	2.30	23.74	20.29	23.56	20.11	7.69	5.88
5670	0	-9.75	2.99	10.01	0.37	4.07	3.62	2.30	23.74	20.12	23.56	19.94	7.69	5.88
	8	-9.38	2.99	10.01	0.37	4.07	3.99	2.51	23.74	20.12	23.56	19.94	8.06	6.40
	17	-9.77	2.99	10.01	0.37	4.07	3.60	2.29	23.74	20.12	23.56	19.94	7.67	5.85
5755	0	-6.85	3.00	10.01	0.37	4.07	6.53	4.50	30.00	23.47	30.00	23.47	10.60	11.49
	8	-6.61	3.00	10.01	0.37	4.07	6.77	4.76	30.00	23.47	30.00	23.47	10.84	12.15
	17	-6.81	3.00	10.01	0.37	4.07	6.57	4.54	30.00	23.47	30.00	23.47	10.64	11.60
5795	0	-6.48	3.00	10.01	0.37	4.07	6.90	4.90	30.00	23.10	30.00	23.10	10.97	12.52
	8	-6.07	3.00	10.01	0.37	4.07	7.31	5.39	30.00	23.10	30.00	23.10	11.38	13.76
	17	-6.40	3.00	10.01	0.37	4.07	6.98	4.99	30.00	23.10	30.00	23.10	11.05	12.75

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.819 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.043 MHz) as conservative limit.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Measurement Room			
Date	November 1, 2023	November 24, 2023	January 31, 2024	July 9, 2024
Temperature / Humidity	25deg. C / 39 RH	22 deg. C / 46 % RH	23 deg. C / 50 % RH	23 deg. C / 37 % RH
Engineer	Kazuya Noda	Yusuke Tanikawara	Kazuya Noda	Kouki Yamada
Mode	Tx, Ant 2			

11ax-40 (OFDMA) (SISO) 52-tone

Tested Frequency	RU Index	Power Meter Reading	Cable Loss	Atten. Loss	Duty Factor	Antenna Gain	Conducted Power						e.i.r.p.					
							Result		FCC 15.407		RSS-247		Result		FCC 15.407		RSS-247	
[MHz]		[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[mW]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	37	-7.08	2.95	10.01	0.61	4.07	6.49	4.46	23.97	17.48	-	-	10.56	11.38	29.97	19.41	22.53	11.97
	40	-6.69	2.95	10.01	0.61	4.07	6.88	4.88	23.97	17.48	-	-	10.95	12.45	29.97	19.02	22.53	11.58
	44	-6.96	2.95	10.01	0.61	4.07	6.61	4.58	23.97	17.48	-	-	10.68	11.70	29.97	19.29	22.53	11.85
5230	37	-7.22	2.95	10.01	0.61	4.07	6.35	4.32	23.97	17.62	-	-	10.42	11.02	29.97	19.55	22.53	12.11
	40	-6.79	2.95	10.01	0.61	4.07	6.78	4.77	23.97	17.62	-	-	10.85	12.17	29.97	19.12	22.53	11.68
	44	-7.05	2.95	10.01	0.61	4.07	6.52	4.49	23.97	17.62	-	-	10.59	11.46	29.97	19.38	22.53	11.94
5270	37	-9.96	2.96	10.01	0.61	4.07	3.62	2.30	23.77	20.15	23.53	19.91	7.69	5.88	29.97	22.28	29.53	21.84
	40	-9.49	2.96	10.01	0.61	4.07	4.09	2.57	23.77	20.15	23.53	19.91	8.16	6.55	29.97	21.81	29.53	21.37
	44	-9.63	2.96	10.01	0.61	4.07	3.95	2.48	23.77	20.15	23.53	19.91	8.02	6.34	29.97	21.95	29.53	21.51
5310	37	-9.97	2.96	10.01	0.61	4.07	3.61	2.30	23.77	20.16	23.53	19.92	7.68	5.87	29.97	22.29	29.53	21.85
	40	-9.52	2.96	10.01	0.61	4.07	4.06	2.55	23.77	20.16	23.53	19.92	8.13	6.51	29.97	21.84	29.53	21.40
	44	-9.57	2.96	10.01	0.61	4.07	4.01	2.52	23.77	20.16	23.53	19.92	8.08	6.43	29.97	21.89	29.53	21.45
5510	37	-6.69	2.98	10.01	0.61	4.07	6.91	4.91	23.77	16.86	23.53	16.62	10.98	12.54	29.97	18.99	29.53	18.55
	40	-6.22	2.98	10.01	0.61	4.07	7.38	5.47	23.77	16.86	23.53	16.62	11.45	13.97	29.97	18.52	29.53	18.08
	44	-6.45	2.98	10.01	0.61	4.07	7.15	5.19	23.77	16.86	23.53	16.62	11.22	13.25	29.97	18.75	29.53	18.31
5550	37	-6.93	2.98	10.01	0.61	4.07	6.67	4.65	23.77	17.10	23.53	16.86	10.74	11.87	29.97	19.23	29.53	18.79
	40	-6.61	2.98	10.01	0.61	4.07	6.99	5.00	23.77	17.10	23.53	16.86	11.06	12.77	29.97	18.91	29.53	18.47
	44	-6.83	2.98	10.01	0.61	4.07	6.77	4.76	23.77	17.10	23.53	16.86	10.84	12.14	29.97	19.13	29.53	18.69
5670	37	-6.83	2.99	10.01	0.61	4.07	6.78	4.77	23.77	16.99	23.53	16.75	10.85	12.17	29.97	19.12	29.53	18.68
	40	-6.44	2.99	10.01	0.61	4.07	7.17	5.22	23.77	16.99	23.53	16.75	11.24	13.31	29.97	18.73	29.53	18.29
	44	-6.86	2.99	10.01	0.61	4.07	6.75	4.73	23.77	16.99	23.53	16.75	10.82	12.09	29.97	19.15	29.53	18.71
5755	37	-7.09	3.00	10.01	0.61	4.07	6.53	4.50	30.00	23.47	30.00	23.47	10.60	11.49	36.00	25.40	36.00	25.40
	40	-6.91	3.00	10.01	0.61	4.07	6.71	4.69	30.00	23.47	30.00	23.47	10.78	11.98	36.00	25.22	36.00	25.22
	44	-7.11	3.00	10.01	0.61	4.07	6.51	4.48	30.00	23.47	30.00	23.47	10.58	11.44	36.00	25.42	36.00	25.42
5795	37	-6.55	3.00	10.01	0.61	4.07	7.07	5.10	30.00	22.93	30.00	22.93	11.14	13.01	36.00	24.86	36.00	24.86
	40	-6.28	3.00	10.01	0.61	4.07	7.34	5.42	30.00	22.93	30.00	22.93	11.41	13.85	36.00	24.59	36.00	24.59
	44	-6.60	3.00	10.01	0.61	4.07	7.02	5.04	30.00	22.93	30.00	22.93	11.09	12.86	36.00	24.91	36.00	24.91

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.967 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.919 MHz) as conservative limit.

Maximum Conducted Output Power

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.1 Measurement Room
November 1, 2023 January 31, 2024
25deg. C / 39 RH 23 deg. C / 50 % RH
Kazuya Noda Kazuya Noda
Tx, Ant 2

11ax-40 (OFDMA) (SISO) 106-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dB]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	53	-6.19	2.95	10.01	0.94	4.07	7.71	5.90	23.97	16.26	-	-	11.78	15.07	29.97	18.19	22.49	10.71
	54	-5.94	2.95	10.01	0.94	4.07	7.96	6.25	23.97	16.26	-	-	12.03	15.97	29.97	17.94	22.49	10.46
	56	-6.05	2.95	10.01	0.94	4.07	7.85	6.10	23.97	16.26	-	-	11.92	15.57	29.97	18.05	22.49	10.57
5230	53	-5.67	2.95	10.01	0.94	4.07	8.23	6.66	23.97	15.74	-	-	12.30	16.99	29.97	17.67	22.49	10.19
	54	-5.48	2.95	10.01	0.94	4.07	8.42	6.95	23.97	15.74	-	-	12.49	17.75	29.97	17.48	22.49	10.00
	56	-5.60	2.95	10.01	0.94	4.07	8.30	6.76	23.97	15.74	-	-	12.37	17.27	29.97	17.60	22.49	10.12
5270	53	-7.01	2.96	10.01	0.94	4.07	6.90	4.90	23.80	16.90	23.49	16.59	10.97	12.51	29.97	19.00	29.49	18.52
	54	-6.89	2.96	10.01	0.94	4.07	7.02	5.04	23.80	16.90	23.49	16.59	11.09	12.86	29.97	18.88	29.49	18.40
	56	-6.97	2.96	10.01	0.94	4.07	6.94	4.95	23.80	16.90	23.49	16.59	11.01	12.62	29.97	18.96	29.49	18.48
5310	53	-7.40	2.96	10.01	0.94	4.07	6.51	4.48	23.80	17.29	23.49	16.98	10.58	11.43	29.97	19.39	29.49	18.91
	54	-7.11	2.96	10.01	0.94	4.07	6.80	4.79	23.80	17.29	23.49	16.98	10.87	12.22	29.97	19.10	29.49	18.62
	56	-7.07	2.96	10.01	0.94	4.07	6.84	4.83	23.80	17.29	23.49	16.98	10.91	12.34	29.97	19.06	29.49	18.58
5510	53	-6.04	2.98	10.01	0.94	4.07	7.89	6.15	23.80	15.91	23.49	15.60	11.96	15.71	29.97	18.01	29.49	17.53
	54	-5.76	2.98	10.01	0.94	4.07	8.17	6.56	23.80	15.91	23.49	15.60	12.24	16.76	29.97	17.73	29.49	17.25
	56	-5.88	2.98	10.01	0.94	4.07	8.05	6.39	23.80	15.91	23.49	15.60	12.12	16.30	29.97	17.85	29.49	17.37
5550	53	-6.16	2.98	10.01	0.94	4.07	7.77	5.99	23.80	16.03	23.49	15.72	11.84	15.28	29.97	18.13	29.49	17.65
	54	-5.96	2.98	10.01	0.94	4.07	7.97	6.27	23.80	16.03	23.49	15.72	12.04	16.00	29.97	17.93	29.49	17.45
	56	-6.12	2.98	10.01	0.94	4.07	7.81	6.04	23.80	16.03	23.49	15.72	11.88	15.42	29.97	18.09	29.49	17.61
5670	53	-6.23	2.99	10.01	0.94	4.07	7.71	5.90	23.80	16.09	23.49	15.78	11.78	15.07	29.97	18.19	29.49	17.71
	54	-6.02	2.99	10.01	0.94	4.07	7.92	6.20	23.80	16.09	23.49	15.78	11.99	15.82	29.97	17.98	29.49	17.50
	56	-6.18	2.99	10.01	0.94	4.07	7.76	5.97	23.80	16.09	23.49	15.78	11.83	15.25	29.97	18.14	29.49	17.66
5755	53	-7.36	3.00	10.01	0.94	4.07	6.59	4.56	30.00	23.41	30.00	23.41	10.66	11.65	36.00	25.34	36.00	25.34
	54	-7.16	3.00	10.01	0.94	4.07	6.79	4.78	30.00	23.41	30.00	23.41	10.86	12.20	36.00	25.14	36.00	25.14
	56	-7.23	3.00	10.01	0.94	4.07	6.72	4.70	30.00	23.41	30.00	23.41	10.79	12.00	36.00	25.21	36.00	25.21
5795	53	-6.98	3.00	10.01	0.94	4.07	6.97	4.98	30.00	23.03	30.00	23.03	11.04	12.71	36.00	24.96	36.00	24.96
	54	-6.76	3.00	10.01	0.94	4.07	7.19	5.24	30.00	23.03	30.00	23.03	11.26	13.37	36.00	24.74	36.00	24.74
	56	-6.99	3.00	10.01	0.94	4.07	6.96	4.97	30.00	23.03	30.00	23.03	11.03	12.68	36.00	24.97	36.00	24.97

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (19.067 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.774 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 1, 2023 January 31, 2024 July 9, 2024
Temperature / Humidity 25deg. C / 39 RH 23 deg. C / 50 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Kazuya Noda Kouki Yamada
Mode Tx, Ant 2

11ax-40 (OFDMA) (SISO) 242-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	61	-6.48	2.95	10.01	1.33	4.07	7.81	6.03	23.97	16.16	-	-	11.88	15.40	29.97	18.09	23.01	11.13
	62	-6.43	2.95	10.01	1.33	4.07	7.86	6.10	23.97	16.16	-	-	11.93	15.58	29.97	18.04	23.01	11.08
5230	61	-6.05	2.95	10.01	1.33	4.07	8.24	6.66	23.97	15.73	-	-	12.31	17.01	29.97	17.66	23.01	10.70
	62	-5.96	2.95	10.01	1.33	4.07	8.33	6.80	23.97	15.73	-	-	12.40	17.36	29.97	17.57	23.01	10.61
5270	53	-6.26	2.96	10.01	1.33	4.07	8.04	6.36	23.97	15.93	23.97	15.93	12.11	16.24	29.97	17.86	30.00	17.89
	54	-6.21	2.96	10.01	1.33	4.07	8.09	6.44	23.97	15.93	23.97	15.93	12.16	16.43	29.97	17.81	30.00	17.84
5310	53	-6.55	2.96	10.01	1.33	4.07	7.75	5.95	23.97	16.22	23.97	16.22	11.82	15.19	29.97	18.15	30.00	18.18
	54	-6.40	2.96	10.01	1.33	4.07	7.90	6.16	23.97	16.22	23.97	16.22	11.97	15.73	29.97	18.00	30.00	18.03
5510	53	-6.32	2.98	10.01	1.33	4.07	8.00	6.30	23.97	15.97	23.97	15.97	12.07	16.09	29.97	17.90	30.00	17.93
	54	-6.28	2.98	10.01	1.33	4.07	8.04	6.36	23.97	15.97	23.97	15.97	12.11	16.24	29.97	17.86	30.00	17.89
5550	53	-6.49	2.98	10.01	1.33	4.07	7.83	6.06	23.97	16.14	23.97	16.14	11.90	15.48	29.97	18.07	30.00	18.10
	54	-6.54	2.98	10.01	1.33	4.07	7.78	5.99	23.97	16.14	23.97	16.14	11.85	15.30	29.97	18.12	30.00	18.15
5670	53	-6.48	2.99	10.01	1.33	4.07	7.85	6.09	23.97	16.12	23.97	16.12	11.92	15.55	29.97	18.05	30.00	18.08
	54	-6.64	2.99	10.01	1.33	4.07	7.69	5.87	23.97	16.12	23.97	16.12	11.76	14.98	29.97	18.21	30.00	18.24
5755	53	-7.82	3.00	10.01	1.33	4.07	6.52	4.48	30.00	23.48	30.00	23.48	10.59	11.45	36.00	25.41	36.00	25.41
	54	-7.80	3.00	10.01	1.33	4.07	6.54	4.50	30.00	23.48	30.00	23.48	10.61	11.50	36.00	25.39	36.00	25.39
5795	53	-7.27	3.00	10.01	1.33	4.07	7.07	5.09	30.00	22.93	30.00	22.93	11.14	12.99	36.00	24.86	36.00	24.86
	54	-7.26	3.00	10.01	1.33	4.07	7.08	5.10	30.00	22.93	30.00	22.93	11.15	13.02	36.00	24.85	36.00	24.85

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (38.945 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (25.022 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 1, 2023 January 31, 2024
Temperature / Humidity 25deg. C / 39 RH 23 deg. C / 50 % RH
Engineer Kazuya Noda Kazuya Noda
Mode Tx, Ant 2

11ax-40 (OFDMA) (SISO) 484-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	65	-6.59	2.95	10.01	1.50	4.07	7.87	6.13	23.97	16.10	-	-	11.94	15.64	29.97	18.03	23.01	11.07
5230	65	-6.31	2.95	10.01	1.50	4.07	8.15	6.53	23.97	15.82	-	-	12.22	16.68	29.97	17.75	23.01	10.79
5270	65	-5.98	2.96	10.01	1.50	4.07	8.49	7.07	23.97	15.48	23.97	15.48	12.56	18.04	29.97	17.41	30.00	17.44
5310	65	-6.39	2.96	10.01	1.50	4.07	8.08	6.43	23.97	15.89	23.97	15.89	12.15	16.41	29.97	17.82	30.00	17.85
5510	65	-6.23	2.98	10.01	1.50	4.07	8.26	6.70	23.97	15.71	23.97	15.71	12.33	17.11	29.97	17.64	30.00	17.67
5550	65	-6.38	2.98	10.01	1.50	4.07	8.11	6.47	23.97	15.86	23.97	15.86	12.18	16.53	29.97	17.79	30.00	17.82
5670	65	-6.47	2.99	10.01	1.50	4.07	8.03	6.36	23.97	15.94	23.97	15.94	12.10	16.22	29.97	17.87	30.00	17.90
5755	65	-7.58	3.00	10.01	1.50	4.07	6.93	4.93	30.00	23.07	30.00	23.07	11.00	12.59	36.00	25.00	36.00	25.00
5795	65	-7.49	3.00	10.01	1.50	4.07	7.02	5.04	30.00	22.98	30.00	22.98	11.09	12.86	36.00	24.91	36.00	24.91

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (39.885 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (37.755 MHz) as conservative limit.

Maximum Conducted Output Power

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.1 Measurement Room
November 7, 2023
25deg. C / 55 RH
Kazuya Noda
Tx, Ant 2

November 24, 2023
22 deg. C / 46 % RH
Yusuke Tanikawara

January 31, 2024
23 deg. C / 50 % RH
Kazuya Noda

11ax-80 (OFDMA) (SISO) 26-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit	FCC 15.407 Margin	Limit	Margin	[dBm]	[mW]	FCC 15.407 Limit	FCC 15.407 Margin	Limit	Margin
5210	0	-13.46	2.95	10.01	0.35	4.07	-0.15	0.97	23.97	24.12	-	-	3.92	2.47	29.97	26.05	22.54	18.62
	18	-13.21	2.95	10.01	0.35	4.07	0.10	1.02	23.97	24.12	-	-	4.17	2.61	29.97	25.80	22.54	18.37
	36	-13.18	2.95	10.01	0.35	4.07	0.13	1.03	23.97	24.12	-	-	4.20	2.63	29.97	25.77	22.54	18.34
5290	0	-15.67	2.96	10.01	0.35	4.07	-2.35	0.58	23.79	26.14	23.54	25.89	1.72	1.49	29.97	28.25	29.54	27.82
	18	-15.13	2.96	10.01	0.35	4.07	-1.81	0.66	23.79	26.14	23.54	25.89	2.26	1.68	29.97	27.71	29.54	27.28
	36	-15.01	2.96	10.01	0.35	4.07	-1.69	0.68	23.79	26.14	23.54	25.89	2.38	1.73	29.97	27.59	29.54	27.16
5530	0	-9.72	2.98	10.01	0.35	4.07	3.62	2.30	23.79	20.17	23.54	19.92	7.69	5.88	29.97	22.28	29.54	21.85
	18	-9.31	2.98	10.01	0.35	4.07	4.03	2.53	23.79	20.17	23.54	19.92	8.10	6.46	29.97	21.87	29.54	21.44
	36	-9.42	2.98	10.01	0.35	4.07	3.92	2.47	23.79	20.17	23.54	19.92	7.99	6.30	29.97	21.98	29.54	21.55
5775	0	-6.69	3.00	10.01	0.35	4.07	6.67	4.65	30.00	23.33	30.00	23.33	10.74	11.86	36.00	25.26	36.00	25.26
	18	-6.22	3.00	10.01	0.35	4.07	7.14	5.18	30.00	23.33	30.00	23.33	11.21	13.22	36.00	24.79	36.00	24.79
	36	-6.63	3.00	10.01	0.35	4.07	6.73	4.71	30.00	23.33	30.00	23.33	10.80	12.03	36.00	25.20	36.00	25.20

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

15.407 Limit
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
For all test frequencies, B was applied the minimum value (19.013 MHz) as conservative limit.

RSS-247 Limit
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1W
e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower
e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower
For all test frequencies, B was applied the minimum value (17.987 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 7, 2023 November 24, 2023 January 31, 2024
Temperature / Humidity 25deg. C / 55 RH 22 deg. C / 46 % RH 23 deg. C / 50 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda
Mode Tx, Ant 2

11ax-80 (OFDMA) (SISO) 52-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5210	37	-10.61	2.95	10.01	0.57	4.07	2.92	1.96	23.97	21.05	-	-	6.99	4.99	29.97	22.98	22.53	15.54
	44	-10.46	2.95	10.01	0.57	4.07	3.07	2.03	23.97	21.05	-	-	7.14	5.17	29.97	22.83	22.53	15.39
	52	-10.37	2.95	10.01	0.57	4.07	3.16	2.07	23.97	21.05	-	-	7.23	5.28	29.97	22.74	22.53	15.30
5290	37	-13.17	2.96	10.01	0.57	4.07	0.37	1.09	23.80	23.43	23.53	23.16	4.44	2.78	29.97	25.53	29.53	25.09
	44	-12.91	2.96	10.01	0.57	4.07	0.63	1.15	23.80	23.43	23.53	23.16	4.70	2.95	29.97	25.27	29.53	24.83
	52	-12.64	2.96	10.01	0.57	4.07	0.90	1.23	23.80	23.43	23.53	23.16	4.97	3.14	29.97	25.00	29.53	24.56
5530	37	-6.67	2.98	10.01	0.57	4.07	6.89	4.88	23.80	16.91	23.53	16.64	10.96	12.46	29.97	19.01	29.53	18.57
	44	-6.59	2.98	10.01	0.57	4.07	6.97	4.97	23.80	16.91	23.53	16.64	11.04	12.69	29.97	18.93	29.53	18.49
	52	-6.55	2.98	10.01	0.57	4.07	7.01	5.02	23.80	16.91	23.53	16.64	11.08	12.81	29.97	18.89	29.53	18.45
5775	37	-6.81	3.00	10.01	0.57	4.07	6.77	4.75	30.00	23.23	30.00	23.23	10.84	12.12	36.00	25.16	36.00	25.16
	44	-6.77	3.00	10.01	0.57	4.07	6.81	4.79	30.00	23.23	30.00	23.23	10.88	12.23	36.00	25.12	36.00	25.12
	52	-6.84	3.00	10.01	0.57	4.07	6.74	4.72	30.00	23.23	30.00	23.23	10.81	12.04	36.00	25.19	36.00	25.19

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

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

For all test frequencies, B was applied the minimum value (19.074 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.929 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 7, 2023 January 31, 2024
Temperature / Humidity 25deg. C / 55 RH 23 deg. C / 50 % RH
Engineer Kazuya Noda Kazuya Noda
Mode Tx, Ant 2

11ax-80 (OFDMA) (SISO) 106-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5210	53	-7.79	2.95	10.01	0.90	4.07	6.07	4.04	23.97	17.90	-	-	10.14	10.33	29.97	19.83	22.51	12.37
	56	-7.65	2.95	10.01	0.90	4.07	6.21	4.18	23.97	17.90	-	-	10.28	10.66	29.97	19.69	22.51	12.23
	60	-7.54	2.95	10.01	0.90	4.07	6.32	4.28	23.97	17.90	-	-	10.39	10.94	29.97	19.58	22.51	12.12
5290	53	-10.39	2.96	10.01	0.90	4.07	3.48	2.23	23.91	20.43	23.51	20.03	7.55	5.69	29.97	22.42	29.51	21.96
	56	-10.30	2.96	10.01	0.90	4.07	3.57	2.27	23.91	20.43	23.51	20.03	7.64	5.81	29.97	22.33	29.51	21.87
	60	-9.87	2.96	10.01	0.90	4.07	4.00	2.51	23.91	20.43	23.51	20.03	8.07	6.41	29.97	21.90	29.51	21.44
5530	53	-5.85	2.98	10.01	0.90	4.07	8.04	6.37	23.91	15.87	23.51	15.47	12.11	16.25	29.97	17.86	29.51	17.40
	56	-5.69	2.98	10.01	0.90	4.07	8.20	6.61	23.91	15.87	23.51	15.47	12.27	16.86	29.97	17.70	29.51	17.24
	60	-5.71	2.98	10.01	0.90	4.07	8.18	6.58	23.91	15.87	23.51	15.47	12.25	16.78	29.97	17.72	29.51	17.26
5775	53	-7.13	3.00	10.01	0.90	4.07	6.78	4.76	30.00	23.22	30.00	23.22	10.85	12.16	36.00	25.15	36.00	25.15
	56	-7.21	3.00	10.01	0.90	4.07	6.70	4.68	30.00	23.22	30.00	23.22	10.77	11.94	36.00	25.23	36.00	25.23
	60	-7.16	3.00	10.01	0.90	4.07	6.75	4.73	30.00	23.22	30.00	23.22	10.82	12.08	36.00	25.18	36.00	25.18

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (19.548 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.827 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 7, 2023 January 31, 2024
Temperature / Humidity 25deg. C / 55 RH 23 deg. C / 50 % RH
Engineer Kazuya Noda Kazuya Noda
Mode Tx, Ant 2

11ax-80 (OFDMA) (SISO) 242-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5210	61	-6.56	2.95	10.01	1.22	4.07	7.62	5.77	23.97	16.35	-	-	11.69	14.74	29.97	18.28	22.84	11.15
	62	-6.40	2.95	10.01	1.22	4.07	7.78	5.99	23.97	16.35	-	-	11.85	15.29	29.97	18.12	22.84	10.99
	64	-6.47	2.95	10.01	1.22	4.07	7.71	5.90	23.97	16.35	-	-	11.78	15.05	29.97	18.19	22.84	11.06
5290	61	-7.48	2.96	10.01	1.22	4.07	6.71	4.68	23.97	17.26	23.84	17.13	10.78	11.95	29.97	19.19	29.84	19.06
	62	-7.18	2.96	10.01	1.22	4.07	7.01	5.02	23.97	17.26	23.84	17.13	11.08	12.81	29.97	18.89	29.84	18.76
	64	-7.15	2.96	10.01	1.22	4.07	7.04	5.05	23.97	17.26	23.84	17.13	11.11	12.90	29.97	18.86	29.84	18.73
5530	61	-6.18	2.98	10.01	1.22	4.07	8.03	6.35	23.97	15.94	23.84	15.81	12.10	16.20	29.97	17.87	29.84	17.74
	62	-5.94	2.98	10.01	1.22	4.07	8.27	6.71	23.97	15.94	23.84	15.81	12.34	17.12	29.97	17.63	29.84	17.50
	64	-6.01	2.98	10.01	1.22	4.07	8.20	6.60	23.97	15.94	23.84	15.81	12.27	16.85	29.97	17.70	29.84	17.57
5775	61	-7.47	3.00	10.01	1.22	4.07	6.76	4.74	30.00	23.24	30.00	23.24	10.83	12.09	36.00	25.17	36.00	25.17
	62	-7.32	3.00	10.01	1.22	4.07	6.91	4.90	30.00	23.24	30.00	23.24	10.98	12.52	36.00	25.02	36.00	25.02
	64	-7.54	3.00	10.01	1.22	4.07	6.69	4.66	30.00	23.24	30.00	23.24	10.76	11.90	36.00	25.24	36.00	25.24

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (24.644 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (19.245 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 7, 2023 January 31, 2024
Temperature / Humidity 25deg. C / 55 RH 23 deg. C / 50 % RH
Engineer Kazuya Noda Kazuya Noda
Mode Tx, Ant 2

11ax-80 (OFDMA) (SISO) 484-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5210	65	-6.69	2.95	10.01	1.42	4.07	7.69	5.88	23.97	16.28	-	-	11.76	15.00	29.97	18.21	23.01	11.25
	66	-6.53	2.95	10.01	1.42	4.07	7.85	6.10	23.97	16.28	-	-	11.92	15.56	29.97	18.05	23.01	11.09
5290	65	-6.34	2.96	10.01	1.42	4.07	8.05	6.38	23.97	15.92	23.97	15.92	12.12	16.29	29.97	17.85	30.00	17.88
	66	-6.04	2.96	10.01	1.42	4.07	8.35	6.84	23.97	15.92	23.97	15.92	12.42	17.46	29.97	17.55	30.00	17.58
5530	66	-6.14	2.98	10.01	1.42	4.07	8.27	6.71	23.97	15.70	23.97	15.70	12.34	17.14	29.97	17.63	30.00	17.66
	65	-6.03	2.98	10.01	1.42	4.07	8.38	6.89	23.97	15.70	23.97	15.70	12.45	17.58	29.97	17.52	30.00	17.55
5775	65	-7.58	3.00	10.01	1.42	4.07	6.85	4.84	30.00	23.15	30.00	23.15	10.92	12.36	36.00	25.08	36.00	25.08
	66	-7.43	3.00	10.01	1.42	4.07	7.00	5.01	30.00	23.15	30.00	23.15	11.07	12.79	36.00	24.93	36.00	24.93

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (79.867 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (67.784 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 7, 2023
Temperature / Humidity 25deg. C / 55 RH
Engineer Kazuya Noda
Mode Tx, Ant 2

11ax-80 (OFDMA) (SISO) 996-tone

Tested Frequency [MHz]	RU Index	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	Result		Conducted Power		RSS-247		Result		e.i.r.p.		RSS-247	
							[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	[mW]	FCC 15.407 Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5210	67	-6.91	2.95	10.01	1.59	4.07	7.64	5.81	23.97	16.33	-	-	11.71	14.83	29.97	18.26	23.01	11.30
5290	67	-6.49	2.96	10.01	1.59	4.07	8.07	6.41	23.97	15.90	23.97	15.90	12.14	16.37	29.97	17.83	30.00	17.86
5530	67	-6.46	2.98	10.01	1.59	4.07	8.12	6.49	23.97	15.85	23.97	15.85	12.19	16.56	29.97	17.78	30.00	17.81
5775	67	-7.88	3.00	10.01	1.59	4.07	6.72	4.70	30.00	23.28	30.00	23.28	10.79	12.00	36.00	25.21	36.00	25.21

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (80.372 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150 MHz-5250 MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (77.424 MHz) as conservative limit.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Measurement Room		
Date	November 7, 2023	November 24, 2023	February 2, 2024
Temperature / Humidity	25deg. C / 55 RH	22 deg. C / 46 % RH	22 deg. C / 37 % RH
Engineer	Kazuya Noda	Yusuke Tanikawara	Kazuya Noda
Mode	Tx, Ant 0 + Ant 2		

11ax-20 (OFDMA) (SDM) 26-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 [dBm]	Margin [dB]	RSS-247 [dBm]	Margin [dB]	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 [dBm]	Margin [dB]	RSS-247 [dBm]	Margin [dB]
5180	0	1.36	1.32	2.68	4.29	23.97	19.68	-	-	1.60	3.38	4.98	6.97	29.97	23.00	22.29	15.32
	4	1.41	1.39	2.79	4.46	23.97	19.51	-	-	1.65	3.54	5.19	7.15	29.97	22.82	22.29	15.14
	8	1.43	1.42	2.85	4.54	23.97	19.43	-	-	1.68	3.62	5.29	7.24	29.97	22.73	22.29	15.05
5220	0	1.45	1.32	2.77	4.42	23.97	19.55	-	-	1.71	3.36	5.06	7.05	29.97	22.92	22.29	15.24
	4	1.51	1.35	2.86	4.56	23.97	19.41	-	-	1.77	3.45	5.22	7.18	29.97	22.79	22.29	15.11
	8	1.52	1.37	2.89	4.60	23.97	19.37	-	-	1.78	3.49	5.28	7.22	29.97	22.75	22.29	15.07
5240	0	1.47	1.39	2.87	4.57	23.97	19.40	-	-	1.73	3.56	5.29	7.23	29.97	22.74	22.29	15.06
	4	1.53	1.48	3.01	4.79	23.97	19.18	-	-	1.80	3.79	5.58	7.47	29.97	22.50	22.29	14.82
	8	1.54	1.50	3.04	4.83	23.97	19.14	-	-	1.81	3.83	5.64	7.51	29.97	22.46	22.29	14.78
5260	0	1.65	1.64	3.30	5.18	23.56	18.38	23.29	18.11	1.94	4.20	6.14	7.88	29.97	22.09	29.29	21.41
	4	1.64	1.71	3.36	5.26	23.56	18.30	23.29	18.03	1.93	4.38	6.30	8.00	29.97	21.97	29.29	21.29
	8	1.63	1.74	3.38	5.28	23.56	18.28	23.29	18.01	1.92	4.45	6.37	8.04	29.97	21.93	29.29	21.25
5300	0	1.79	1.57	3.37	5.27	23.56	18.29	23.29	18.02	2.10	4.02	6.12	7.87	29.97	22.10	29.29	21.42
	4	1.88	1.66	3.53	5.48	23.56	18.08	23.29	17.81	2.20	4.23	6.43	8.08	29.97	21.89	29.29	21.21
	8	1.88	1.64	3.52	5.47	23.56	18.09	23.29	17.82	2.21	4.18	6.39	8.06	29.97	21.91	29.29	21.23
5320	0	1.83	1.71	3.54	5.49	23.56	18.07	23.29	17.80	2.15	4.36	6.51	8.14	29.97	21.83	29.29	21.15
	4	1.84	1.77	3.62	5.58	23.56	17.98	23.29	17.71	2.16	4.53	6.69	8.26	29.97	21.71	29.29	21.03
	8	1.86	1.83	3.69	5.67	23.56	17.89	23.29	17.62	2.19	4.67	6.86	8.36	29.97	21.61	29.29	20.93

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5180	0	0.57	-12.20	2.95	10.01	0.70	1.33	2.03	-12.30	2.95	10.00	4.07	1.22	5.29
	4	0.57	-12.05	2.95	10.01	0.70	1.48	2.18	-12.10	2.95	10.00	4.07	1.42	5.49
	8	0.57	-11.98	2.95	10.01	0.70	1.55	2.25	-12.01	2.95	10.00	4.07	1.51	5.58
5220	0	0.57	-11.91	2.95	10.01	0.70	1.62	2.32	-12.33	2.95	10.00	4.07	1.19	5.26
	4	0.57	-11.75	2.95	10.01	0.70	1.78	2.48	-12.21	2.95	10.00	4.07	1.31	5.38
	8	0.57	-11.72	2.95	10.01	0.70	1.81	2.51	-12.16	2.95	10.00	4.07	1.36	5.43
5240	0	0.57	-11.85	2.95	10.01	0.70	1.68	2.38	-12.08	2.95	10.00	4.07	1.44	5.51
	4	0.57	-11.69	2.95	10.01	0.70	1.84	2.54	-11.81	2.95	10.00	4.07	1.71	5.78
	8	0.57	-11.65	2.95	10.01	0.70	1.88	2.58	-11.76	2.95	10.00	4.07	1.76	5.83
5260	0	0.57	-11.35	2.95	10.01	0.70	2.18	2.88	-11.37	2.96	10.00	4.07	2.16	6.23
	4	0.57	-11.38	2.95	10.01	0.70	2.15	2.85	-11.19	2.96	10.00	4.07	2.34	6.41
	8	0.57	-11.40	2.95	10.01	0.70	2.13	2.83	-11.12	2.96	10.00	4.07	2.41	6.48
5300	0	0.57	-11.01	2.96	10.01	0.70	2.53	3.23	-11.56	2.96	10.00	4.07	1.97	6.04
	4	0.57	-10.81	2.96	10.01	0.70	2.73	3.43	-11.34	2.96	10.00	4.07	2.19	6.26
	8	0.57	-10.79	2.96	10.01	0.70	2.75	3.45	-11.39	2.96	10.00	4.07	2.14	6.21
5320	0	0.57	-10.91	2.96	10.01	0.70	2.63	3.33	-11.21	2.96	10.00	4.07	2.32	6.39
	4	0.57	-10.89	2.96	10.01	0.70	2.65	3.35	-11.04	2.96	10.00	4.07	2.49	6.56
	8	0.57	-10.84	2.96	10.01	0.70	2.70	3.40	-10.91	2.96	10.00	4.07	2.62	6.69

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.036 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.959 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 7, 2023 November 24, 2023 February 2, 2024
Temperature / Humidity 25deg. C / 55 RH 22 deg. C / 46 % RH 22 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-20 (OFDMA) (SDM) 26-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407	Margin	RSS-247	Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407	Margin	RSS-247
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]
5500	0	1.70	1.78	3.48	5.42	23.56	18.14	23.29	17.87		2.00	4.55	6.55	8.16	29.97	21.81	29.29
	4	1.77	1.86	3.63	5.60	23.56	17.96	23.29	17.69		2.09	4.74	6.83	8.34	29.97	21.63	29.29
	8	1.78	1.86	3.65	5.62	23.56	17.94	23.29	17.67		2.09	4.75	6.85	8.36	29.97	21.61	29.29
5580	0	1.71	1.75	3.46	5.39	23.56	18.17	23.29	17.90		2.01	4.47	6.47	8.11	29.97	21.86	29.29
	4	1.75	1.80	3.55	5.51	23.56	18.05	23.29	17.78		2.06	4.59	6.65	8.23	29.97	21.74	29.29
	8	1.73	1.85	3.58	5.54	23.56	18.02	23.29	17.75		2.04	4.71	6.75	8.29	29.97	21.68	29.29
5700	0	1.60	1.56	3.16	5.00	23.56	18.56	23.29	18.29		1.88	3.99	5.87	7.69	29.97	22.28	29.29
	4	1.66	1.63	3.30	5.18	23.56	18.38	23.29	18.11		1.95	4.17	6.12	7.87	29.97	22.10	29.29
	8	1.66	1.61	3.27	5.15	23.56	18.41	23.29	18.14		1.95	4.12	6.07	7.83	29.97	22.14	29.29
5745	0	4.63	4.41	9.03	9.56	30.00	20.44	30.00	20.44		5.43	11.25	16.68	12.22	36.00	23.78	36.00
	4	5.01	4.51	9.52	9.79	30.00	20.21	30.00	20.21		5.89	11.51	17.40	12.41	36.00	23.59	36.00
	8	4.85	4.37	9.22	9.65	30.00	20.35	30.00	20.35		5.70	11.15	16.85	12.27	36.00	23.73	36.00
5785	0	4.57	4.99	9.56	9.81	30.00	20.19	30.00	20.19		5.37	12.74	18.11	12.58	36.00	23.42	36.00
	4	4.68	5.09	9.77	9.90	30.00	20.10	30.00	20.10		5.50	13.01	18.50	12.67	36.00	23.33	36.00
	8	4.79	5.14	9.93	9.97	30.00	20.03	30.00	20.03		5.62	13.13	18.75	12.73	36.00	23.27	36.00
5825	0	4.72	4.58	9.30	9.69	30.00	20.31	30.00	20.31		5.55	11.70	17.25	12.37	36.00	23.63	36.00
	4	4.90	4.74	9.64	9.84	30.00	20.16	30.00	20.16		5.76	12.11	17.87	12.52	36.00	23.48	36.00
	8	4.88	4.74	9.62	9.83	30.00	20.17	30.00	20.17		5.73	12.11	17.84	12.51	36.00	23.49	36.00

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5500	0	0.57	-11.26	2.98	10.01	0.70	2.30	3.00	-11.05	2.98	10.01	4.07	2.51	6.58
	4	0.57	-11.07	2.98	10.01	0.70	2.49	3.19	-10.87	2.98	10.01	4.07	2.69	6.76
	8	0.57	-11.05	2.98	10.01	0.70	2.51	3.21	-10.86	2.98	10.01	4.07	2.70	6.77
5580	0	0.57	-11.24	2.98	10.01	0.70	2.32	3.02	-11.13	2.98	10.01	4.07	2.43	6.50
	4	0.57	-11.12	2.98	10.01	0.70	2.44	3.14	-11.01	2.98	10.01	4.07	2.55	6.62
	8	0.57	-11.17	2.98	10.01	0.70	2.39	3.09	-10.90	2.98	10.01	4.07	2.66	6.73
5700	0	0.57	-11.53	2.99	10.01	0.70	2.04	2.74	-11.63	2.99	10.01	4.07	1.94	6.01
	4	0.57	-11.36	2.99	10.01	0.70	2.21	2.91	-11.44	2.99	10.01	4.07	2.13	6.20
	8	0.57	-11.38	2.99	10.01	0.70	2.19	2.89	-11.49	2.99	10.01	4.07	2.08	6.15
5745	0	0.57	-6.93	3.00	10.01	0.70	6.65	7.35	-7.15	3.00	10.02	4.07	6.44	10.51
	4	0.57	-6.58	3.00	10.01	0.70	7.00	7.70	-7.05	3.00	10.02	4.07	6.54	10.61
	8	0.57	-6.72	3.00	10.01	0.70	6.86	7.56	-7.19	3.00	10.02	4.07	6.40	10.47
5785	0	0.57	-6.98	3.00	10.01	0.70	6.60	7.30	-6.61	3.00	10.02	4.07	6.98	11.05
	4	0.57	-6.88	3.00	10.01	0.70	6.70	7.40	-6.52	3.00	10.02	4.07	7.07	11.14
	8	0.57	-6.78	3.00	10.01	0.70	6.80	7.50	-6.48	3.00	10.02	4.07	7.11	11.18
5825	0	0.57	-6.84	3.00	10.01	0.70	6.74	7.44	-6.98	3.00	10.02	4.07	6.61	10.68
	4	0.57	-6.68	3.00	10.01	0.70	6.90	7.60	-6.83	3.00	10.02	4.07	6.76	10.83
	8	0.57	-6.70	3.00	10.01	0.70	6.88	7.58	-6.83	3.00	10.02	4.07	6.76	10.83

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.036 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.959 MHz) as conservative limit.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Measurement Room		
Date	November 7, 2023	November 24, 2023	February 2, 2024
Temperature / Humidity	25deg. C / 55 RH	22 deg. C / 46 % RH	22 deg. C / 37 % RH
Engineer	Kazuya Noda	Yusuke Tanikawara	Kazuya Noda
Mode	Tx, Ant 0 + Ant 2		

11ax-20 (OFDMA) (SDM) 52-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5180	37	2.75	2.68	5.43	7.35	23.97	16.62	-	-	3.23	6.85	10.08	10.03	29.97	19.94	22.29	12.26
	38	2.82	2.74	5.56	7.45	23.97	16.52	-	-	3.32	6.99	10.31	10.13	29.97	19.84	22.29	12.16
	40	2.81	2.82	5.63	7.50	23.97	16.47	-	-	3.30	7.19	10.49	10.21	29.97	19.76	22.29	12.08
5220	37	3.12	3.07	6.19	7.92	23.97	16.05	-	-	3.67	7.83	11.50	10.61	29.97	19.36	22.29	11.68
	38	3.20	3.10	6.30	7.99	23.97	15.98	-	-	3.76	7.92	11.68	10.67	29.97	19.30	22.29	11.62
	40	3.18	3.08	6.26	7.97	23.97	16.00	-	-	3.74	7.87	11.61	10.65	29.97	19.32	22.29	11.64
5240	37	3.20	3.03	6.24	7.95	23.97	16.02	-	-	3.76	7.74	11.51	10.61	29.97	19.36	22.29	11.68
	38	3.16	3.10	6.26	7.97	23.97	16.00	-	-	3.71	7.92	11.63	10.66	29.97	19.31	22.29	11.63
	40	3.20	3.10	6.30	7.99	23.97	15.98	-	-	3.76	7.90	11.67	10.67	29.97	19.30	22.29	11.62
5260	37	3.37	3.36	6.73	8.28	23.58	15.30	23.29	15.01	3.96	8.59	12.55	10.99	29.97	18.98	29.29	18.30
	38	3.32	3.48	6.81	8.33	23.58	15.25	23.29	14.96	3.91	8.89	12.79	11.07	29.97	18.90	29.29	18.22
	40	3.35	3.52	6.87	8.37	23.58	15.21	23.29	14.92	3.93	8.99	12.92	11.11	29.97	18.86	29.29	18.18
5300	37	3.48	3.03	6.51	8.14	23.58	15.44	23.29	15.15	4.09	7.74	11.83	10.73	29.97	19.24	29.29	18.56
	38	3.50	3.10	6.59	8.19	23.58	15.39	23.29	15.10	4.11	7.90	12.01	10.80	29.97	19.17	29.29	18.49
	40	3.54	3.12	6.66	8.23	23.58	15.35	23.29	15.06	4.16	7.96	12.11	10.83	29.97	19.14	29.29	18.46
5320	37	3.71	3.53	7.24	8.60	23.58	14.98	23.29	14.69	4.36	9.01	13.37	11.26	29.97	18.71	29.29	18.03
	38	3.78	3.60	7.39	8.68	23.58	14.90	23.29	14.61	4.44	9.20	13.64	11.35	29.97	18.62	29.29	17.94
	40	3.84	3.71	7.56	8.78	23.58	14.80	23.29	14.51	4.52	9.48	13.99	11.46	29.97	18.51	29.29	17.83

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5180	37	0.89	-9.46	2.95	10.01	0.70	4.39	5.09	-9.55	2.95	10.00	4.07	4.29	8.36
	38	0.89	-9.34	2.95	10.01	0.70	4.51	5.21	-9.46	2.95	10.00	4.07	4.38	8.45
	40	0.89	-9.36	2.95	10.01	0.70	4.49	5.19	-9.34	2.95	10.00	4.07	4.50	8.57
5220	37	0.89	-8.90	2.95	10.01	0.70	4.95	5.65	-8.97	2.95	10.00	4.07	4.87	8.94
	38	0.89	-8.80	2.95	10.01	0.70	5.05	5.75	-8.92	2.95	10.00	4.07	4.92	8.99
	40	0.89	-8.82	2.95	10.01	0.70	5.03	5.73	-8.95	2.95	10.00	4.07	4.89	8.96
5240	37	0.89	-8.79	2.95	10.01	0.70	5.06	5.76	-9.02	2.95	10.00	4.07	4.82	8.89
	38	0.89	-8.85	2.95	10.01	0.70	5.00	5.70	-8.92	2.95	10.00	4.07	4.92	8.99
	40	0.89	-8.79	2.95	10.01	0.70	5.06	5.76	-8.93	2.95	10.00	4.07	4.91	8.98
5260	37	0.89	-8.57	2.95	10.01	0.70	5.28	5.98	-8.58	2.96	10.00	4.07	5.27	9.34
	38	0.89	-8.63	2.95	10.01	0.70	5.22	5.92	-8.43	2.96	10.00	4.07	5.42	9.49
	40	0.89	-8.60	2.95	10.01	0.70	5.25	5.95	-8.38	2.96	10.00	4.07	5.47	9.54
5300	37	0.89	-8.44	2.96	10.01	0.70	5.42	6.12	-9.03	2.96	10.00	4.07	4.82	8.89
	38	0.89	-8.42	2.96	10.01	0.70	5.44	6.14	-8.94	2.96	10.00	4.07	4.91	8.98
	40	0.89	-8.37	2.96	10.01	0.70	5.49	6.19	-8.91	2.96	10.00	4.07	4.94	9.01
5320	37	0.89	-8.16	2.96	10.01	0.70	5.70	6.40	-8.37	2.96	10.00	4.07	5.48	9.55
	38	0.89	-8.08	2.96	10.01	0.70	5.78	6.48	-8.28	2.96	10.00	4.07	5.57	9.64
	40	0.89	-8.01	2.96	10.01	0.70	5.85	6.55	-8.15	2.96	10.00	4.07	5.70	9.77

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.147 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.980 MHz) as conservative limit.

Maximum Conducted Output Power

Test place	Shonan EMC Lab. No.1 Measurement Room		
Date	November 7, 2023	November 24, 2023	February 2, 2024
Temperature / Humidity	25deg. C / 55 RH	22 deg. C / 46 % RH	22 deg. C / 37 % RH
Engineer	Kazuya Noda	Yusuke Tanikawara	Kazuya Noda
Mode	Tx, Ant 0 + Ant 2		

11ax-20 (OFDMA) (SDM) 52-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5500	37	3.55	3.70	7.26	8.61	23.58	14.97	23.29	14.68	4.18	9.46	13.63	11.35	29.97	18.62	29.29	17.94
	38	3.53	3.76	7.29	8.63	23.58	14.95	23.29	14.66	4.15	9.61	13.76	11.39	29.97	18.58	29.29	17.90
	40	3.56	3.79	7.35	8.66	23.58	14.92	23.29	14.63	4.19	9.68	13.86	11.42	29.97	18.55	29.29	17.87
5580	37	3.25	3.74	6.99	8.44	23.58	15.14	23.29	14.85	3.82	9.54	13.36	11.26	29.97	18.71	29.29	18.03
	38	3.33	3.83	7.16	8.55	23.58	15.03	23.29	14.74	3.92	9.77	13.68	11.36	29.97	18.61	29.29	17.93
	40	3.29	3.80	7.09	8.50	23.58	15.08	23.29	14.79	3.86	9.70	13.56	11.32	29.97	18.65	29.29	17.97
5700	37	3.29	3.23	6.52	8.14	23.58	15.44	23.29	15.15	3.87	8.24	12.11	10.83	29.97	19.14	29.29	18.46
	38	3.37	3.28	6.65	8.23	23.58	15.35	23.29	15.06	3.96	8.37	12.33	10.91	29.97	19.06	29.29	18.38
	40	3.39	3.30	6.69	8.25	23.58	15.33	23.29	15.04	3.98	8.43	12.41	10.94	29.97	19.03	29.29	18.35
5745	37	4.86	4.41	9.27	9.67	30.00	20.33	30.00	20.33	5.71	11.27	16.98	12.30	36.00	23.70	36.00	23.70
	38	4.99	4.43	9.42	9.74	30.00	20.26	30.00	20.26	5.86	11.32	17.18	12.35	36.00	23.65	36.00	23.65
	40	5.01	4.39	9.40	9.73	30.00	20.27	30.00	20.27	5.89	11.21	17.10	12.33	36.00	23.67	36.00	23.67
5785	37	4.52	4.42	8.94	9.51	30.00	20.49	30.00	20.49	5.31	11.29	16.60	12.20	36.00	23.80	36.00	23.80
	38	4.58	4.45	9.03	9.56	30.00	20.44	30.00	20.44	5.38	11.37	16.75	12.24	36.00	23.76	36.00	23.76
	40	4.60	4.41	9.01	9.55	30.00	20.45	30.00	20.45	5.40	11.27	16.67	12.22	36.00	23.78	36.00	23.78
5825	37	4.70	4.58	9.28	9.67	30.00	20.33	30.00	20.33	5.52	11.69	17.21	12.36	36.00	23.64	36.00	23.64
	38	4.87	4.67	9.55	9.80	30.00	20.20	30.00	20.20	5.72	11.93	17.66	12.47	36.00	23.53	36.00	23.53
	40	4.72	4.70	9.41	9.74	30.00	20.26	30.00	20.26	5.54	11.99	17.53	12.44	36.00	23.56	36.00	23.56

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5500	37	0.89	-8.37	2.98	10.01	0.70	5.51	6.21	-8.19	2.98	10.01	4.07	5.69	9.76
	38	0.89	-8.40	2.98	10.01	0.70	5.48	6.18	-8.12	2.98	10.01	4.07	5.76	9.83
	40	0.89	-8.36	2.98	10.01	0.70	5.52	6.22	-8.09	2.98	10.01	4.07	5.79	9.86
5580	37	0.89	-8.76	2.98	10.01	0.70	5.12	5.82	-8.15	2.98	10.01	4.07	5.73	9.80
	38	0.89	-8.65	2.98	10.01	0.70	5.23	5.93	-8.05	2.98	10.01	4.07	5.83	9.90
	40	0.89	-8.71	2.98	10.01	0.70	5.17	5.87	-8.08	2.98	10.01	4.07	5.80	9.87
5700	37	0.89	-8.71	2.99	10.01	0.70	5.18	5.88	-8.80	2.99	10.01	4.07	5.09	9.16
	38	0.89	-8.61	2.99	10.01	0.70	5.28	5.98	-8.73	2.99	10.01	4.07	5.16	9.23
	40	0.89	-8.59	2.99	10.01	0.70	5.30	6.00	-8.70	2.99	10.01	4.07	5.19	9.26
5745	37	0.89	-7.03	3.00	10.01	0.70	6.87	7.57	-7.46	3.00	10.02	4.07	6.45	10.52
	38	0.89	-6.92	3.00	10.01	0.70	6.98	7.68	-7.44	3.00	10.02	4.07	6.47	10.54
	40	0.89	-6.90	3.00	10.01	0.70	7.00	7.70	-7.48	3.00	10.02	4.07	6.43	10.50
5785	37	0.89	-7.35	3.00	10.01	0.70	6.55	7.25	-7.45	3.00	10.02	4.07	6.46	10.53
	38	0.89	-7.29	3.00	10.01	0.70	6.61	7.31	-7.42	3.00	10.02	4.07	6.49	10.56
	40	0.89	-7.27	3.00	10.01	0.70	6.63	7.33	-7.46	3.00	10.02	4.07	6.45	10.52
5825	37	0.89	-7.18	3.00	10.01	0.70	6.72	7.42	-7.30	3.00	10.02	4.07	6.61	10.68
	38	0.89	-7.02	3.00	10.01	0.70	6.88	7.58	-7.21	3.00	10.02	4.07	6.70	10.77
	40	0.89	-7.16	3.00	10.01	0.70	6.74	7.44	-7.19	3.00	10.02	4.07	6.72	10.79

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.147 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (16.980 MHz) as conservative limit.

Maximum Conducted Output Power

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.1 Measurement Room
November 7, 2023 February 2, 2024
25deg. C / 55 RH 22 deg. C / 37 % RH
Kazuya Noda Kazuya Noda
Tx, Ant 0 + Ant 2

11ax-20 (OFDMA) (SDM) 106-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5180	53	5.83	5.63	11.45	10.59	23.97	13.38	-	-	6.84	14.37	21.21	13.27	29.97	16.70	22.55	9.28
	54	5.99	5.87	11.85	10.74	23.97	13.23	-	-	7.04	14.97	22.01	13.43	29.97	16.54	22.55	9.12
5220	53	6.13	6.09	12.21	10.87	23.97	13.10	-	-	7.20	15.54	22.74	13.57	29.97	16.40	22.55	8.98
	54	6.09	6.17	12.26	10.88	23.97	13.09	-	-	7.15	15.75	22.90	13.60	29.97	16.37	22.55	8.95
5240	53	6.13	6.06	12.19	10.86	23.97	13.11	-	-	7.20	15.46	22.66	13.55	29.97	16.42	22.55	9.00
	54	6.34	6.18	12.53	10.98	23.97	12.99	-	-	7.45	15.79	23.24	13.66	29.97	16.31	22.55	8.89
5260	53	6.23	6.48	12.70	11.04	23.97	12.93	23.55	12.51	7.32	16.53	23.85	13.77	29.97	16.20	29.55	15.78
	54	6.13	6.60	12.72	11.05	23.97	12.92	23.55	12.50	7.20	16.84	24.04	13.81	29.97	16.16	29.55	15.74
5300	53	6.39	5.96	12.35	10.92	23.97	13.05	23.55	12.63	7.50	15.22	22.72	13.56	29.97	16.41	29.55	15.99
	54	6.57	6.17	12.74	11.05	23.97	12.92	23.55	12.50	7.71	15.75	23.47	13.70	29.97	16.27	29.55	15.85
5320	53	6.73	6.46	13.20	11.20	23.97	12.77	23.55	12.35	7.91	16.49	24.41	13.88	29.97	16.09	29.55	15.67
	54	6.91	6.75	13.66	11.35	23.97	12.62	23.55	12.20	8.12	17.23	25.35	14.04	29.97	15.93	29.55	15.51
5500	53	5.95	6.26	12.20	10.87	23.97	13.10	23.55	12.68	6.99	15.97	22.96	13.61	29.97	16.36	29.55	15.94
	54	6.02	6.42	12.43	10.95	23.97	13.02	23.55	12.60	7.07	16.38	23.45	13.70	29.97	16.27	29.55	15.85
5580	53	5.81	6.83	12.64	11.02	23.97	12.95	23.55	12.53	6.83	17.43	24.26	13.85	29.97	16.12	29.55	15.70
	54	5.89	7.07	12.96	11.13	23.97	12.84	23.55	12.42	6.92	18.04	24.97	13.97	29.97	16.00	29.55	15.58
5700	53	5.81	5.35	11.16	10.48	23.97	13.49	23.55	13.07	6.83	13.66	20.48	13.11	29.97	16.86	29.55	16.44
	54	5.93	5.45	11.38	10.56	23.97	13.41	23.55	12.99	6.97	13.91	20.88	13.20	29.97	16.77	29.55	16.35
5745	53	5.19	4.15	9.34	9.71	30.00	20.29	30.00	20.29	6.10	10.60	16.70	12.23	36.00	23.77	36.00	23.77
	54	5.34	4.11	9.44	9.75	30.00	20.25	30.00	20.25	6.27	10.48	16.75	12.24	36.00	23.76	36.00	23.76
5785	53	4.70	4.91	9.62	9.83	30.00	20.17	30.00	20.17	5.52	12.54	18.07	12.57	36.00	23.43	36.00	23.43
	54	4.81	4.97	9.78	9.90	30.00	20.10	30.00	20.10	5.65	12.69	18.34	12.63	36.00	23.37	36.00	23.37
5825	53	4.67	4.62	9.29	9.68	30.00	20.32	30.00	20.32	5.49	11.79	17.27	12.37	36.00	23.63	36.00	23.63
	54	4.77	4.65	9.42	9.74	30.00	20.26	30.00	20.26	5.60	11.87	17.47	12.42	36.00	23.58	36.00	23.58

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5180	53	1.12	-6.43	2.95	10.01	0.70	7.65	8.35	-6.57	2.95	10.00	4.07	7.50	11.57
	54	1.12	-6.31	2.95	10.01	0.70	7.77	8.47	-6.39	2.95	10.00	4.07	7.68	11.75
5220	53	1.12	-6.21	2.95	10.01	0.70	7.87	8.57	-6.23	2.95	10.00	4.07	7.84	11.91
	54	1.12	-6.24	2.95	10.01	0.70	7.84	8.54	-6.17	2.95	10.00	4.07	7.90	11.97
5240	53	1.12	-6.21	2.95	10.01	0.70	7.87	8.57	-6.25	2.95	10.00	4.07	7.82	11.89
	54	1.12	-6.06	2.95	10.01	0.70	8.02	8.72	-6.16	2.95	10.00	4.07	7.91	11.98
5260	53	1.12	-6.14	2.95	10.01	0.70	7.94	8.64	-5.97	2.96	10.00	4.07	8.11	12.18
	54	1.12	-6.21	2.95	10.01	0.70	7.87	8.57	-5.89	2.96	10.00	4.07	8.19	12.26
5300	53	1.12	-6.04	2.96	10.01	0.70	8.05	8.75	-6.33	2.96	10.00	4.07	7.75	11.82
	54	1.12	-5.92	2.96	10.01	0.70	8.17	8.87	-6.18	2.96	10.00	4.07	7.90	11.97
5320	53	1.12	-5.81	2.96	10.01	0.70	8.28	8.98	-5.98	2.96	10.00	4.07	8.10	12.17
	54	1.12	-5.70	2.96	10.01	0.70	8.39	9.09	-5.79	2.96	10.00	4.07	8.29	12.36
5500	53	1.12	-6.37	2.98	10.01	0.70	7.74	8.44	-6.15	2.98	10.01	4.07	7.96	12.03
	54	1.12	-6.32	2.98	10.01	0.70	7.79	8.49	-6.04	2.98	10.01	4.07	8.07	12.14
5580	53	1.12	-6.47	2.98	10.01	0.70	7.64	8.34	-5.77	2.98	10.01	4.07	8.34	12.41
	54	1.12	-6.41	2.98	10.01	0.70	7.70	8.40	-5.62	2.98	10.01	4.07	8.49	12.56
5700	53	1.12	-6.48	2.99	10.01	0.70	7.64	8.34	-6.84	2.99	10.01	4.07	7.28	11.35
	54	1.12	-6.39	2.99	10.01	0.70	7.73	8.43	-6.76	2.99	10.01	4.07	7.36	11.43
5745	53	1.12	-6.98	3.00	10.01	0.70	7.15	7.85	-7.96	3.00	10.02	4.07	6.18	10.25
	54	1.12	-6.86	3.00	10.01	0.70	7.27	7.97	-8.01	3.00	10.02	4.07	6.13	10.20
5785	53	1.12	-7.41	3.00	10.01	0.70	6.72	7.42	-7.23	3.00	10.02	4.07	6.91	10.98
	54	1.12	-7.31	3.00	10.01	0.70	6.82	7.52	-7.18	3.00	10.02	4.07	6.96	11.03
5825	53	1.12	-7.44	3.00	10.01	0.70	6.69	7.39	-7.50	3.00	10.02	4.07	6.64	10.71
	54	1.12	-7.35	3.00	10.01	0.70	6.78	7.48	-7.47	3.00	10.02	4.07	6.67	10.74

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (19.954 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.021 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 February 2, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 37 % RH
Engineer Kazuya Noda Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-20 (OFDMA) (SDM) 242-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5180	61	6.60	6.44	13.04	11.15	23.97	12.82	-	-	7.76	16.44	24.20	13.84	29.97	16.13	22.77	8.93
5220	61	6.79	6.12	12.91	11.11	23.97	12.86	-	-	7.98	15.63	23.60	13.73	29.97	16.24	22.77	9.04
5240	61	6.74	6.70	13.44	11.28	23.97	12.69	-	-	7.92	17.09	25.02	13.98	29.97	15.99	22.77	8.79
5260	61	6.51	6.45	12.97	11.13	23.97	12.84	23.77	12.64	7.65	16.48	24.13	13.83	29.97	16.14	29.77	15.94
5300	61	6.98	6.15	13.13	11.18	23.97	12.79	23.77	12.59	8.20	15.70	23.90	13.78	29.97	16.19	29.77	15.99
5320	61	6.82	6.45	13.28	11.23	23.97	12.74	23.77	12.54	8.01	16.48	24.49	13.89	29.97	16.08	29.77	15.88
5500	61	5.94	6.32	12.26	10.89	23.97	13.08	23.77	12.88	6.98	16.14	23.12	13.64	29.97	16.33	29.77	16.13
5580	61	6.62	6.95	13.57	11.32	23.97	12.65	23.77	12.45	7.78	17.74	25.51	14.07	29.97	15.90	29.77	15.70
5700	61	5.82	5.37	11.19	10.49	23.97	13.48	23.77	13.28	6.84	13.70	20.54	13.13	29.97	16.84	29.77	16.64
5745	61	4.87	4.26	9.14	9.61	30.00	20.39	30.00	20.39	5.73	10.89	16.61	12.20	36.00	23.80	36.00	23.80
5785	61	4.60	4.99	9.59	9.82	30.00	20.18	30.00	20.18	5.41	12.73	18.14	12.59	36.00	23.41	36.00	23.41
5825	61	4.64	4.59	9.23	9.65	30.00	20.35	30.00	20.35	5.46	11.72	17.17	12.35	36.00	23.65	36.00	23.65

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5180	61	1.38	-6.14	2.95	10.01	0.70	8.20	8.90	-6.24	2.95	10.00	4.07	8.09	12.16
5220	61	1.38	-6.02	2.95	10.01	0.70	8.32	9.02	-6.46	2.95	10.00	4.07	7.87	11.94
5240	61	1.38	-6.05	2.95	10.01	0.70	8.29	8.99	-6.07	2.95	10.00	4.07	8.26	12.33
5260	61	1.38	-6.20	2.95	10.01	0.70	8.14	8.84	-6.24	2.96	10.00	4.07	8.10	12.17
5300	61	1.38	-5.91	2.96	10.01	0.70	8.44	9.14	-6.45	2.96	10.00	4.07	7.89	11.96
5320	61	1.38	-6.01	2.96	10.01	0.70	8.34	9.04	-6.24	2.96	10.00	4.07	8.10	12.17
5500	61	1.38	-6.63	2.98	10.01	0.70	7.74	8.44	-6.36	2.98	10.01	4.07	8.01	12.08
5580	61	1.38	-6.16	2.98	10.01	0.70	8.21	8.91	-5.95	2.98	10.01	4.07	8.42	12.49
5700	61	1.38	-6.73	2.99	10.01	0.70	7.65	8.35	-7.08	2.99	10.01	4.07	7.30	11.37
5745	61	1.38	-7.51	3.00	10.01	0.70	6.88	7.58	-8.10	3.00	10.02	4.07	6.30	10.37
5785	61	1.38	-7.76	3.00	10.01	0.70	6.63	7.33	-7.42	3.00	10.02	4.07	6.98	11.05
5825	61	1.38	-7.72	3.00	10.01	0.70	6.67	7.37	-7.78	3.00	10.02	4.07	6.62	10.69

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (30.191 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.954 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 November 24, 2023 February 2, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 22 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 26-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5190	0	1.04	1.19	2.23	3.48	23.97	20.49	-	-	1.22	3.05	4.27	6.30	29.97	23.67	22.56	16.26
	8	1.15	1.34	2.49	3.96	23.97	20.01	-	-	1.36	3.41	4.77	6.78	29.97	23.19	22.56	15.78
	17	1.06	1.26	2.32	3.66	23.97	20.31	-	-	1.25	3.22	4.46	6.50	29.97	23.47	22.56	16.06
5230	0	1.13	1.16	2.29	3.60	23.97	20.37	-	-	1.33	2.96	4.29	6.33	29.97	23.64	22.56	16.23
	8	1.23	1.24	2.47	3.93	23.97	20.04	-	-	1.45	3.17	4.62	6.64	29.97	23.33	22.56	15.92
	17	1.13	1.17	2.30	3.61	23.97	20.36	-	-	1.32	2.99	4.31	6.35	29.97	23.62	22.56	16.21
5270	0	0.78	0.91	1.69	2.27	23.74	21.47	23.56	21.29	0.91	2.32	3.24	5.10	29.97	24.87	29.56	24.46
	8	0.87	1.01	1.88	2.75	23.74	20.99	23.56	20.81	1.02	2.59	3.61	5.57	29.97	24.40	29.56	23.99
	17	0.82	0.99	1.81	2.58	23.74	21.16	23.56	20.98	0.96	2.53	3.49	5.43	29.97	24.54	29.56	24.13
5310	0	0.84	0.86	1.70	2.30	23.74	21.44	23.56	21.26	0.99	2.18	3.18	5.02	29.97	24.95	29.56	24.54
	8	0.93	0.97	1.90	2.79	23.74	20.95	23.56	20.77	1.09	2.48	3.58	5.53	29.97	24.44	29.56	24.03
	17	0.90	0.94	1.83	2.63	23.74	21.11	23.56	20.93	1.05	2.39	3.44	5.37	29.97	24.60	29.56	24.19

Tested Frequency [MHz]	RU Index	Ant 0								Ant 2							
		Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]		
5190	0	0.53	-13.34	2.95	10.01	0.70	0.15	0.85	-12.71	2.95	10.00	4.07	0.77	4.84			
	8	0.53	-12.87	2.95	10.01	0.70	0.62	1.32	-12.22	2.95	10.00	4.07	1.26	5.33			
	17	0.53	-13.23	2.95	10.01	0.70	0.26	0.96	-12.48	2.95	10.00	4.07	1.00	5.07			
5230	0	0.53	-12.95	2.95	10.01	0.70	0.54	1.24	-12.84	2.95	10.00	4.07	0.64	4.71			
	8	0.53	-12.59	2.95	10.01	0.70	0.90	1.60	-12.54	2.95	10.00	4.07	0.94	5.01			
	17	0.53	-12.97	2.95	10.01	0.70	0.52	1.22	-12.80	2.95	10.00	4.07	0.68	4.75			
5270	0	0.53	-14.59	2.95	10.01	0.70	-1.10	-0.40	-13.90	2.96	10.00	4.07	-0.41	3.66			
	8	0.53	-14.11	2.95	10.01	0.70	-0.62	0.08	-13.43	2.96	10.00	4.07	0.06	4.13			
	17	0.53	-14.35	2.95	10.01	0.70	-0.86	-0.16	-13.53	2.96	10.00	4.07	-0.04	4.03			
5310	0	0.53	-14.24	2.96	10.01	0.70	-0.74	-0.04	-14.17	2.96	10.00	4.07	-0.68	3.39			
	8	0.53	-13.82	2.96	10.01	0.70	-0.32	0.38	-13.61	2.96	10.00	4.07	-0.12	3.95			
	17	0.53	-13.97	2.96	10.01	0.70	-0.47	0.23	-13.78	2.96	10.00	4.07	-0.29	3.78			

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.819 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz 5470-5600MHz 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.043 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 November 24, 2023 February 2, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 22 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 26-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5510	0	1.39	1.73	3.12	4.94	23.74	18.80	23.56	18.62	1.63	4.41	6.04	7.81	29.97	22.16	29.56	21.75
	8	1.51	1.92	3.42	5.34	23.74	18.40	23.56	18.22	1.77	4.89	6.66	8.23	29.97	21.74	29.56	21.33
	17	1.41	1.80	3.20	5.05	23.74	18.69	23.56	18.51	1.65	4.58	6.24	7.95	29.97	22.02	29.56	21.61
5550	0	1.49	1.63	3.12	4.95	23.74	18.79	23.56	18.61	1.75	4.17	5.92	7.72	29.97	22.25	29.56	21.84
	8	1.64	1.81	3.45	5.38	23.74	18.36	23.56	18.18	1.92	4.63	6.55	8.16	29.97	21.81	29.56	21.40
	17	1.54	1.63	3.18	5.02	23.74	18.72	23.56	18.54	1.81	4.17	5.98	7.77	29.97	22.20	29.56	21.79
5670	0	1.30	1.66	2.96	4.71	23.74	19.03	23.56	18.85	1.52	4.24	5.76	7.61	29.97	22.36	29.56	21.95
	8	1.42	1.76	3.18	5.03	23.74	18.71	23.56	18.53	1.67	4.50	6.17	7.90	29.97	22.07	29.56	21.66
	17	1.29	1.61	2.90	4.63	23.74	19.11	23.56	18.93	1.52	4.11	5.63	7.51	29.97	22.46	29.56	22.05
5755	0	4.28	4.88	9.16	9.62	30.00	20.38	30.00	20.38	5.03	12.45	17.48	12.42	36.00	23.58	36.00	23.58
	8	4.77	5.29	10.05	10.02	30.00	19.98	30.00	19.98	5.60	13.50	19.10	12.81	36.00	23.19	36.00	23.19
	17	4.41	4.77	9.17	9.63	30.00	20.37	30.00	20.37	5.18	12.17	17.35	12.39	36.00	23.61	36.00	23.61
5795	0	3.99	4.96	8.95	9.52	30.00	20.48	30.00	20.48	4.69	12.65	17.34	12.39	36.00	23.61	36.00	23.61
	8	4.40	5.46	9.86	9.94	30.00	20.06	30.00	20.06	5.17	13.94	19.10	12.81	36.00	23.19	36.00	23.19
	17	3.96	5.25	9.22	9.65	30.00	20.35	30.00	20.35	4.66	13.40	18.06	12.57	36.00	23.43	36.00	23.43

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			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]
5510	0	0.53	-12.09	2.98	10.01	0.70	1.43	2.13	-11.15	2.98	10.01	4.07	2.37	6.44
	8	0.53	-11.74	2.98	10.01	0.70	1.78	2.48	-10.70	2.98	10.01	4.07	2.82	6.89
	17	0.53	-12.04	2.98	10.01	0.70	1.48	2.18	-10.98	2.98	10.01	4.07	2.54	6.61
5550	0	0.53	-11.79	2.98	10.01	0.70	1.73	2.43	-11.39	2.98	10.01	4.07	2.13	6.20
	8	0.53	-11.38	2.98	10.01	0.70	2.14	2.84	-10.94	2.98	10.01	4.07	2.58	6.65
	17	0.53	-11.64	2.98	10.01	0.70	1.88	2.58	-11.39	2.98	10.01	4.07	2.13	6.20
5670	0	0.53	-12.40	2.99	10.01	0.70	1.13	1.83	-11.33	2.99	10.01	4.07	2.20	6.27
	8	0.53	-12.01	2.99	10.01	0.70	1.52	2.22	-11.07	2.99	10.01	4.07	2.46	6.53
	17	0.53	-12.42	2.99	10.01	0.70	1.11	1.81	-11.46	2.99	10.01	4.07	2.07	6.14
5755	0	0.53	-7.23	3.00	10.01	0.70	6.31	7.01	-6.67	3.00	10.02	4.07	6.88	10.95
	8	0.53	-6.76	3.00	10.01	0.70	6.78	7.48	-6.32	3.00	10.02	4.07	7.23	11.30
	17	0.53	-7.10	3.00	10.01	0.70	6.44	7.14	-6.77	3.00	10.02	4.07	6.78	10.85
5795	0	0.53	-7.53	3.00	10.01	0.70	6.01	6.71	-6.60	3.00	10.02	4.07	6.95	11.02
	8	0.53	-7.11	3.00	10.01	0.70	6.43	7.13	-6.18	3.00	10.02	4.07	7.37	11.44
	17	0.53	-7.56	3.00	10.01	0.70	5.98	6.68	-6.35	3.00	10.02	4.07	7.20	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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.819 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (18.043 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 November 24, 2023 February 2, 2024 July 9, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 22 deg. C / 37 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada
Mode Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 52-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 [dBm]	Margin [dB]	RSS-247 [dBm]	Margin [dB]	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 [dBm]	Margin [dB]	RSS-247 [dBm]	Margin [dB]
5190	37	2.08	2.44	4.51	6.55	23.97	17.42	-	-	2.44	6.22	8.66	9.38	29.97	20.59	22.53	13.15
	40	2.27	2.71	4.98	6.97	23.97	17.00	-	-	2.67	6.92	9.59	9.82	29.97	20.15	22.53	12.71
	44	2.17	2.55	4.72	6.74	23.97	17.23	-	-	2.55	6.50	9.06	9.57	29.97	20.40	22.53	12.96
5230	37	2.32	2.38	4.70	6.72	23.97	17.25	-	-	2.72	6.07	8.79	9.44	29.97	20.53	22.53	13.09
	40	2.44	2.51	4.94	6.94	23.97	17.03	-	-	2.86	6.40	9.26	9.67	29.97	20.30	22.53	12.86
	44	2.27	2.39	4.66	6.69	23.97	17.28	-	-	2.67	6.11	8.78	9.43	29.97	20.54	22.53	13.10
5270	37	1.39	1.58	2.97	4.73	23.77	19.04	23.53	18.80	1.63	4.04	5.67	7.54	29.97	22.43	29.53	21.99
	40	1.49	1.80	3.28	5.16	23.77	18.61	23.53	18.37	1.75	4.58	6.33	8.02	29.97	21.95	29.53	21.51
	44	1.38	1.74	3.12	4.94	23.77	18.83	23.53	18.59	1.63	4.44	6.06	7.83	29.97	22.14	29.53	21.70
5310	37	1.52	1.52	3.05	4.84	23.77	18.93	23.53	18.69	1.79	3.89	5.68	7.54	29.97	22.43	29.53	21.99
	40	1.65	1.68	3.33	5.23	23.77	18.54	23.53	18.30	1.94	4.30	6.23	7.95	29.97	22.02	29.53	21.58
	44	1.59	1.61	3.19	5.04	23.77	18.73	23.53	18.49	1.86	4.10	5.97	7.76	29.97	22.21	29.53	21.77

Tested Frequency [MHz]	RU Index	Ant 0								Ant 2							
		Duty Factor [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]		
5190	37	0.82	-10.61	2.95	10.01	0.70	3.17	3.87	-9.90	2.95	10.00	4.07	3.87	3.87	7.94		
	40	0.82	-10.22	2.95	10.01	0.70	3.56	4.26	-9.44	2.95	10.00	4.07	4.33	4.33	8.40		
	44	0.82	-10.41	2.95	10.01	0.70	3.37	4.07	-9.71	2.95	10.00	4.07	4.06	4.06	8.13		
5230	37	0.82	-10.13	2.95	10.01	0.70	3.65	4.35	-10.01	2.95	10.00	4.07	3.76	3.76	7.83		
	40	0.82	-9.91	2.95	10.01	0.70	3.87	4.57	-9.78	2.95	10.00	4.07	3.99	3.99	8.06		
	44	0.82	-10.22	2.95	10.01	0.70	3.56	4.26	-9.98	2.95	10.00	4.07	3.79	3.79	7.86		
5270	37	0.82	-12.35	2.95	10.01	0.70	1.43	2.13	-11.79	2.96	10.00	4.07	1.99	1.99	6.06		
	40	0.82	-12.05	2.95	10.01	0.70	1.73	2.43	-11.24	2.96	10.00	4.07	2.54	2.54	6.61		
	44	0.82	-12.37	2.95	10.01	0.70	1.41	2.11	-11.38	2.96	10.00	4.07	2.40	2.40	6.47		
5310	37	0.82	-11.97	2.96	10.01	0.70	1.82	2.52	-11.95	2.96	10.00	4.07	1.83	1.83	5.90		
	40	0.82	-11.62	2.96	10.01	0.70	2.17	2.87	-11.52	2.96	10.00	4.07	2.26	2.26	6.33		
	44	0.82	-11.79	2.96	10.01	0.70	2.00	2.70	-11.72	2.96	10.00	4.07	2.06	2.06	6.13		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.967 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.919 MHz) as conservative limit.

Maximum Conducted Output Power

Test place: Shonan EMC Lab. No.1 Measurement Room
Date: November 8, 2023 November 24, 2023 February 2, 2024 July 9, 2024
Temperature / Humidity: 24 deg. C / 40 % RH 22 deg. C / 46 % RH 22 deg. C / 37 % RH 23 deg. C / 37 % RH
Engineer: Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada
Mode: Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 52-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5510	37	2.83	3.56	6.38	8.05	23.77	15.72	23.53	15.48	3.32	9.08	12.40	10.93	29.97	19.04	29.53	18.60
	40	3.04	3.92	6.96	8.43	23.77	15.34	23.53	15.10	3.57	10.00	13.58	11.33	29.97	18.64	29.53	18.20
	44	2.84	3.79	6.63	8.22	23.77	15.55	23.53	15.31	3.34	9.66	13.00	11.14	29.97	18.83	29.53	18.39
5550	37	2.88	3.52	6.40	8.06	23.77	15.71	23.53	15.47	3.39	8.98	12.37	10.92	29.97	19.05	29.53	18.61
	40	3.13	3.65	6.77	8.31	23.77	15.46	23.53	15.22	3.67	9.31	12.99	11.13	29.97	18.84	29.53	18.40
	44	2.98	3.51	6.49	8.12	23.77	15.65	23.53	15.41	3.50	8.96	12.46	10.95	29.97	19.02	29.53	18.58
5670	37	2.62	3.42	6.04	7.81	23.77	15.96	23.53	15.72	3.08	8.73	11.81	10.72	29.97	19.25	29.53	18.81
	40	2.86	3.71	6.57	8.18	23.77	15.59	23.53	15.35	3.37	9.46	12.83	11.08	29.97	18.89	29.53	18.45
	44	2.66	3.38	6.04	7.81	23.77	15.96	23.53	15.72	3.13	8.63	11.76	10.70	29.97	19.27	29.53	18.83
5755	37	4.24	4.75	8.99	9.54	30.00	20.46	30.00	20.46	4.98	12.14	17.11	12.33	36.00	23.67	36.00	23.67
	40	4.59	5.06	9.65	9.85	30.00	20.15	30.00	20.15	5.40	12.91	18.31	12.63	36.00	23.37	36.00	23.37
	44	4.24	4.68	8.92	9.50	30.00	20.50	30.00	20.50	4.98	11.94	16.92	12.28	36.00	23.72	36.00	23.72
5795	37	4.08	4.92	9.01	9.54	30.00	20.46	30.00	20.46	4.80	12.56	17.36	12.40	36.00	23.60	36.00	23.60
	40	4.26	5.15	9.41	9.74	30.00	20.26	30.00	20.26	5.00	13.15	18.16	12.59	36.00	23.41	36.00	23.41
	44	3.90	5.02	8.92	9.51	30.00	20.49	30.00	20.49	4.58	12.83	17.41	12.41	36.00	23.59	36.00	23.59

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			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]
5510	37	0.82	-9.30	2.98	10.01	0.70	4.51	5.21	-8.30	2.98	10.01	4.07	5.51	9.58
	40	0.82	-8.98	2.98	10.01	0.70	4.83	5.53	-7.88	2.98	10.01	4.07	5.93	10.00
	44	0.82	-9.27	2.98	10.01	0.70	4.54	5.24	-8.03	2.98	10.01	4.07	5.78	9.85
5550	37	0.82	-9.21	2.98	10.01	0.70	4.60	5.30	-8.35	2.98	10.01	4.07	5.46	9.53
	40	0.82	-8.86	2.98	10.01	0.70	4.95	5.65	-8.19	2.98	10.01	4.07	5.62	9.69
	44	0.82	-9.07	2.98	10.01	0.70	4.74	5.44	-8.36	2.98	10.01	4.07	5.45	9.52
5670	37	0.82	-9.64	2.99	10.01	0.70	4.18	4.88	-8.48	2.99	10.01	4.07	5.34	9.41
	40	0.82	-9.25	2.99	10.01	0.70	4.57	5.27	-8.13	2.99	10.01	4.07	5.69	9.76
	44	0.82	-9.57	2.99	10.01	0.70	4.25	4.95	-8.53	2.99	10.01	4.07	5.29	9.36
5755	37	0.82	-7.56	3.00	10.01	0.70	6.27	6.97	-7.07	3.00	10.02	4.07	6.77	10.84
	40	0.82	-7.21	3.00	10.01	0.70	6.62	7.32	-6.80	3.00	10.02	4.07	7.04	11.11
	44	0.82	-7.56	3.00	10.01	0.70	6.27	6.97	-7.14	3.00	10.02	4.07	6.70	10.77
5795	37	0.82	-7.72	3.00	10.01	0.70	6.11	6.81	-6.92	3.00	10.02	4.07	6.92	10.99
	40	0.82	-7.54	3.00	10.01	0.70	6.29	6.99	-6.72	3.00	10.02	4.07	7.12	11.19
	44	0.82	-7.92	3.00	10.01	0.70	5.91	6.61	-6.83	3.00	10.02	4.07	7.01	11.08

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (18.967 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.919 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 February 2, 2024 July 9, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 37 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Kazuya Noda Kouki Yamada
Mode Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 106-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	53	4.33	5.07	9.39	9.73	23.97	14.24	-	-	5.08	12.94	18.02	12.56	29.97	17.41	22.49	9.93
	54	4.52	5.27	9.79	9.91	23.97	14.06	-	-	5.31	13.46	18.77	12.73	29.97	17.24	22.49	9.76
	56	4.42	5.14	9.56	9.80	23.97	14.17	-	-	5.19	13.12	18.31	12.63	29.97	17.34	22.49	9.86
5230	53	4.71	4.79	9.50	9.78	23.97	14.19	-	-	5.53	12.22	17.75	12.49	29.97	17.48	22.49	10.00
	54	4.78	4.95	9.73	9.88	23.97	14.09	-	-	5.61	12.65	18.26	12.61	29.97	17.36	22.49	9.88
	56	4.65	4.82	9.46	9.76	23.97	14.21	-	-	5.46	12.30	17.76	12.49	29.97	17.48	22.49	10.00
5270	53	2.82	3.30	6.12	7.87	23.80	15.93	23.49	15.62	3.32	8.41	11.73	10.69	29.97	19.28	29.49	18.80
	54	2.95	3.58	6.53	8.15	23.80	15.65	23.49	15.34	3.47	9.14	12.61	11.01	29.97	18.96	29.49	18.48
	56	2.83	3.53	6.36	8.04	23.80	15.76	23.49	15.45	3.33	9.02	12.34	10.91	29.97	19.06	29.49	18.58
5310	53	3.13	3.12	6.25	7.96	23.80	15.84	23.49	15.53	3.68	7.96	11.64	10.66	29.97	19.31	29.49	18.83
	54	3.30	3.33	6.63	8.22	23.80	15.58	23.49	15.27	3.87	8.51	12.38	10.93	29.97	19.04	29.49	18.56
	56	3.25	3.24	6.49	8.12	23.80	15.68	23.49	15.37	3.82	8.26	12.08	10.82	29.97	19.15	29.49	18.67

Tested Frequency [MHz]	RU Index	Ant 0								Ant 2							
		Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	e.i.r.p.		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	e.i.r.p.		
		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]		
5190	53	1.08	-7.68	2.95	10.01	0.70	6.36	7.06	-6.98	2.95	10.00	4.07	7.05	11.12			
	54	1.08	-7.49	2.95	10.01	0.70	6.55	7.25	-6.81	2.95	10.00	4.07	7.22	11.29			
	56	1.08	-7.59	2.95	10.01	0.70	6.45	7.15	-6.92	2.95	10.00	4.07	7.11	11.18			
5230	53	1.08	-7.31	2.95	10.01	0.70	6.73	7.43	-7.23	2.95	10.00	4.07	6.80	10.87			
	54	1.08	-7.25	2.95	10.01	0.70	6.79	7.49	-7.08	2.95	10.00	4.07	6.95	11.02			
	56	1.08	-7.37	2.95	10.01	0.70	6.67	7.37	-7.20	2.95	10.00	4.07	6.83	10.90			
5270	53	1.08	-9.53	2.95	10.01	0.70	4.51	5.21	-8.86	2.96	10.00	4.07	5.18	9.25			
	54	1.08	-9.34	2.95	10.01	0.70	4.70	5.40	-8.50	2.96	10.00	4.07	5.54	9.61			
	56	1.08	-9.52	2.95	10.01	0.70	4.52	5.22	-8.56	2.96	10.00	4.07	5.48	9.55			
5310	53	1.08	-9.09	2.96	10.01	0.70	4.96	5.66	-9.10	2.96	10.00	4.07	4.94	9.01			
	54	1.08	-8.87	2.96	10.01	0.70	5.18	5.88	-8.81	2.96	10.00	4.07	5.23	9.30			
	56	1.08	-8.93	2.96	10.01	0.70	5.12	5.82	-8.94	2.96	10.00	4.07	5.10	9.17			

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (19.067 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.774 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 February 2, 2024 July 9, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 37 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Kazuya Noda Kouki Yamada
Mode Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 106-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5510	53	5.12	6.64	11.75	10.70	23.80	13.10	23.49	12.79	6.01	16.94	22.95	13.61	29.97	16.36	29.49	15.88
	54	5.36	6.97	12.32	10.91	23.80	12.89	23.49	12.58	6.30	17.78	24.08	13.82	29.97	16.15	29.49	15.67
	56	5.21	6.85	12.07	10.82	23.80	12.98	23.49	12.67	6.12	17.50	23.62	13.73	29.97	16.24	29.49	15.76
5550	53	5.37	6.31	11.68	10.67	23.80	13.13	23.49	12.82	6.31	16.11	22.42	13.51	29.97	16.46	29.49	15.98
	54	5.64	6.61	12.24	10.88	23.80	12.92	23.49	12.61	6.62	16.87	23.49	13.71	29.97	16.26	29.49	15.78
	56	5.44	6.34	11.78	10.71	23.80	13.09	23.49	12.78	6.40	16.18	22.58	13.54	29.97	16.43	29.49	15.95
5670	53	4.70	6.40	11.10	10.45	23.80	13.35	23.49	13.04	5.52	16.33	21.85	13.39	29.97	16.58	29.49	16.10
	54	4.98	6.70	11.68	10.67	23.80	13.13	23.49	12.82	5.85	17.10	22.95	13.61	29.97	16.36	29.49	15.88
	56	4.73	6.27	11.00	10.41	23.80	13.39	23.49	13.08	5.56	16.00	21.55	13.34	29.97	16.63	29.49	16.15
5755	53	4.23	4.72	8.95	9.52	30.00	20.48	30.00	20.48	4.97	12.05	17.02	12.31	36.00	23.69	36.00	23.69
	54	4.41	4.94	9.35	9.71	30.00	20.29	30.00	20.29	5.18	12.62	17.79	12.50	36.00	23.50	36.00	23.50
	56	4.28	4.65	8.92	9.50	30.00	20.50	30.00	20.50	5.02	11.86	16.88	12.27	36.00	23.73	36.00	23.73
5795	53	4.06	4.91	8.96	9.53	30.00	20.47	30.00	20.47	4.76	12.53	17.30	12.38	36.00	23.62	36.00	23.62
	54	4.11	5.08	9.19	9.63	30.00	20.37	30.00	20.37	4.83	12.97	17.80	12.50	36.00	23.50	36.00	23.50
	56	3.94	5.07	9.01	9.55	30.00	20.45	30.00	20.45	4.62	12.94	17.57	12.45	36.00	23.55	36.00	23.55

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			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]
5510	53	1.08	-6.98	2.98	10.01	0.70	7.09	7.79	-5.85	2.98	10.01	4.07	8.22	12.29
	54	1.08	-6.78	2.98	10.01	0.70	7.29	7.99	-5.64	2.98	10.01	4.07	8.43	12.50
	56	1.08	-6.90	2.98	10.01	0.70	7.17	7.87	-5.71	2.98	10.01	4.07	8.36	12.43
5550	53	1.08	-6.77	2.98	10.01	0.70	7.30	8.00	-6.07	2.98	10.01	4.07	8.00	12.07
	54	1.08	-6.56	2.98	10.01	0.70	7.51	8.21	-5.87	2.98	10.01	4.07	8.20	12.27
	56	1.08	-6.71	2.98	10.01	0.70	7.36	8.06	-6.05	2.98	10.01	4.07	8.02	12.09
5670	53	1.08	-7.36	2.99	10.01	0.70	6.72	7.42	-6.02	2.99	10.01	4.07	8.06	12.13
	54	1.08	-7.11	2.99	10.01	0.70	6.97	7.67	-5.82	2.99	10.01	4.07	8.26	12.33
	56	1.08	-7.33	2.99	10.01	0.70	6.75	7.45	-6.11	2.99	10.01	4.07	7.97	12.04
5755	53	1.08	-7.83	3.00	10.01	0.70	6.26	6.96	-7.36	3.00	10.02	4.07	6.74	10.81
	54	1.08	-7.65	3.00	10.01	0.70	6.44	7.14	-7.16	3.00	10.02	4.07	6.94	11.01
	56	1.08	-7.78	3.00	10.01	0.70	6.31	7.01	-7.43	3.00	10.02	4.07	6.67	10.74
5795	53	1.08	-8.01	3.00	10.01	0.70	6.08	6.78	-7.19	3.00	10.02	4.07	6.91	10.98
	54	1.08	-7.95	3.00	10.01	0.70	6.14	6.84	-7.04	3.00	10.02	4.07	7.06	11.13
	56	1.08	-8.14	3.00	10.01	0.70	5.95	6.65	-7.05	3.00	10.02	4.07	7.05	11.12

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (19.067 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.774 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 February 5, 2024
Temperature / Humidity 24 deg. C / 40 % RH 23 deg. C / 32 % RH
Engineer Kazuya Noda Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 242-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5190	61	5.60	6.67	12.28	10.89	23.97	13.08	-	-	6.58	17.04	23.62	13.73	29.97	16.24	23.01	9.28
	62	5.72	6.63	12.35	10.92	23.97	13.05	-	-	6.72	16.92	23.64	13.74	29.97	16.23	23.01	9.27
5230	61	5.58	6.17	11.75	10.70	23.97	13.27	-	-	6.55	15.76	22.31	13.48	29.97	16.49	23.01	9.53
	62	5.49	6.00	11.49	10.60	23.97	13.37	-	-	6.45	15.33	21.77	13.38	29.97	16.59	23.01	9.63
5270	61	5.34	6.32	11.65	10.66	23.97	13.31	23.97	13.31	6.27	16.12	22.40	13.50	29.97	16.47	30.00	16.50
	62	5.28	6.54	11.82	10.72	23.97	13.25	23.97	13.25	6.20	16.69	22.89	13.60	29.97	16.37	30.00	16.40
5310	61	6.07	6.19	12.26	10.88	23.97	13.09	23.97	13.09	7.14	15.79	22.93	13.60	29.97	16.37	30.00	16.40
	62	6.19	6.21	12.40	10.93	23.97	13.04	23.97	13.04	7.27	15.86	23.13	13.64	29.97	16.33	30.00	16.36
5510	61	5.33	6.86	12.19	10.86	23.97	13.11	23.97	13.11	6.26	17.52	23.77	13.76	29.97	16.21	30.00	16.24
	62	5.38	6.97	12.35	10.92	23.97	13.05	23.97	13.05	6.32	17.80	24.12	13.82	29.97	16.15	30.00	16.18
5550	61	5.25	5.88	11.13	10.47	23.97	13.50	23.97	13.50	6.17	15.01	21.18	13.26	29.97	16.71	30.00	16.74
	62	5.34	5.89	11.23	10.50	23.97	13.47	23.97	13.47	6.27	15.05	21.32	13.29	29.97	16.68	30.00	16.71
5670	61	4.90	6.61	11.52	10.61	23.97	13.36	23.97	13.36	5.76	16.88	22.64	13.55	29.97	16.42	30.00	16.45
	62	4.82	6.46	11.29	10.53	23.97	13.44	23.97	13.44	5.67	16.50	22.17	13.46	29.97	16.51	30.00	16.54
5755	61	4.35	4.93	9.27	9.67	30.00	20.33	30.00	20.33	5.11	12.57	17.68	12.48	36.00	23.52	36.00	23.52
	62	4.29	4.87	9.16	9.62	30.00	20.38	30.00	20.38	5.04	12.43	17.47	12.42	36.00	23.58	36.00	23.58
5795	61	4.08	5.01	9.08	9.58	30.00	20.42	30.00	20.42	4.79	12.78	17.57	12.45	36.00	23.55	36.00	23.55
	62	4.04	5.19	9.23	9.65	30.00	20.35	30.00	20.35	4.75	13.26	18.00	12.55	36.00	23.45	36.00	23.45

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5190	61	1.35	-6.83	2.95	10.01	0.70	7.48	8.18	-6.06	2.95	10.00	4.07	8.24	12.31
	62	1.35	-6.74	2.95	10.01	0.70	7.57	8.27	-6.09	2.95	10.00	4.07	8.21	12.28
5230	61	1.35	-6.85	2.95	10.01	0.70	7.46	8.16	-6.40	2.95	10.00	4.07	7.90	11.97
	62	1.35	-6.92	2.95	10.01	0.70	7.39	8.09	-6.52	2.95	10.00	4.07	7.78	11.85
5270	61	1.35	-7.04	2.95	10.01	0.70	7.27	7.97	-6.31	2.96	10.00	4.07	8.00	12.07
	62	1.35	-7.09	2.95	10.01	0.70	7.22	7.92	-6.16	2.96	10.00	4.07	8.15	12.22
5310	61	1.35	-6.49	2.96	10.01	0.70	7.83	8.53	-6.40	2.96	10.00	4.07	7.91	11.98
	62	1.35	-6.41	2.96	10.01	0.70	7.91	8.61	-6.38	2.96	10.00	4.07	7.93	12.00
5510	61	1.35	-7.08	2.98	10.01	0.70	7.26	7.96	-5.98	2.98	10.01	4.07	8.36	12.43
	62	1.35	-7.04	2.98	10.01	0.70	7.30	8.00	-5.91	2.98	10.01	4.07	8.43	12.50
5550	61	1.35	-7.14	2.98	10.01	0.70	7.20	7.90	-6.65	2.98	10.01	4.07	7.69	11.76
	62	1.35	-7.07	2.98	10.01	0.70	7.27	7.97	-6.64	2.98	10.01	4.07	7.70	11.77
5670	61	1.35	-7.45	2.99	10.01	0.70	6.90	7.60	-6.15	2.99	10.01	4.07	8.20	12.27
	62	1.35	-7.52	2.99	10.01	0.70	6.83	7.53	-6.25	2.99	10.01	4.07	8.10	12.17
5755	61	1.35	-7.98	3.00	10.01	0.70	6.38	7.08	-7.45	3.00	10.02	4.07	6.92	10.99
	62	1.35	-8.04	3.00	10.01	0.70	6.32	7.02	-7.50	3.00	10.02	4.07	6.87	10.94
5795	61	1.35	-8.26	3.00	10.01	0.70	6.10	6.80	-7.38	3.00	10.02	4.07	6.99	11.06
	62	1.35	-8.30	3.00	10.01	0.70	6.06	6.76	-7.22	3.00	10.02	4.07	7.15	11.22

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (38.945 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (25.022 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 February 5, 2024
Temperature / Humidity 24 deg. C / 40 % RH 23 deg. C / 32 % RH
Engineer Kazuya Noda Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-40 (OFDMA) (SDM) 484-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	65	5.70	6.77	12.47	10.96	23.97	13.01	-	-	6.69	17.29	23.98	13.80	29.97	16.17	23.01	9.21
5230	65	5.88	6.25	12.13	10.84	23.97	13.13	-	-	6.91	15.95	22.86	13.59	29.97	16.38	23.01	9.42
5270	65	5.41	6.98	12.39	10.93	23.97	13.04	23.97	13.04	6.35	17.81	24.17	13.83	29.97	16.14	30.00	16.17
5310	65	6.34	6.48	12.82	11.08	23.97	12.89	23.97	12.89	7.45	16.55	23.99	13.80	29.97	16.17	30.00	16.20
5510	65	5.43	7.03	12.45	10.95	23.97	13.02	23.97	13.02	6.38	17.93	24.31	13.86	29.97	16.11	30.00	16.14
5550	65	5.54	6.56	12.10	10.83	23.97	13.14	23.97	13.14	6.51	16.74	23.25	13.66	29.97	16.31	30.00	16.34
5670	65	4.99	6.76	11.74	10.70	23.97	13.27	23.97	13.27	5.86	17.25	23.10	13.64	29.97	16.33	30.00	16.36
5755	65	4.43	5.04	9.48	9.77	30.00	20.23	30.00	20.23	5.21	12.87	18.08	12.57	36.00	23.43	36.00	23.43
5795	65	4.09	5.38	9.47	9.76	30.00	20.24	30.00	20.24	4.80	13.73	18.54	12.68	36.00	23.32	36.00	23.32

Tested Frequency [MHz]	RU Index	Ant 0								Ant 2							
		Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	e.i.r.p.		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	e.i.r.p.		
		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]		
5190	65	1.50	-6.90	2.95	10.01	0.70	7.56	8.26	-6.14	2.95	10.00	4.07	8.31	12.38			
5230	65	1.50	-6.76	2.95	10.01	0.70	7.70	8.40	-6.49	2.95	10.00	4.07	7.96	12.03			
5270	65	1.50	-7.14	2.96	10.01	0.70	7.33	8.03	-6.02	2.96	10.00	4.07	8.44	12.51			
5310	65	1.50	-6.45	2.96	10.01	0.70	8.02	8.72	-6.34	2.96	10.00	4.07	8.12	12.19			
5510	65	1.50	-7.14	2.98	10.01	0.70	7.35	8.05	-6.02	2.98	10.01	4.07	8.47	12.54			
5550	65	1.50	-7.05	2.98	10.01	0.70	7.44	8.14	-6.32	2.98	10.01	4.07	8.17	12.24			
5670	65	1.50	-7.52	2.99	10.01	0.70	6.98	7.68	-6.20	2.99	10.01	4.07	8.30	12.37			
5755	65	1.50	-8.04	3.00	10.01	0.70	6.47	7.17	-7.49	3.00	10.02	4.07	7.03	11.10			
5795	65	1.50	-8.39	3.00	10.01	0.70	6.12	6.82	-7.21	3.00	10.02	4.07	7.31	11.38			

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (39.885 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (37.755 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 November 24, 2023 February 5, 2024 July 9, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 23 deg. C / 32 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada
Mode Tx, Ant 0 + Ant 2

11ax-80 (OFDMA) (SDM) 26-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5210	0	0.69	0.72	1.41	1.51	23.97	22.46	-	-	0.81	1.84	2.66	4.24	29.97	25.73	22.54	18.30
	18	0.74	0.79	1.53	1.83	23.97	22.14	-	-	0.87	2.01	2.88	4.59	29.97	25.38	22.54	17.95
	36	0.69	0.74	1.43	1.54	23.97	22.43	-	-	0.81	1.88	2.69	4.30	29.97	25.67	22.54	18.24
5290	0	0.40	0.41	0.80	-0.96	23.79	24.75	23.54	24.50	0.47	1.03	1.50	1.76	29.97	28.21	29.54	27.78
	18	0.41	0.47	0.88	-0.55	23.79	24.34	23.54	24.09	0.48	1.21	1.69	2.27	29.97	27.70	29.54	27.27
	36	0.40	0.47	0.87	-0.61	23.79	24.40	23.54	24.15	0.47	1.19	1.66	2.21	29.97	27.76	29.54	27.33
5530	0	1.07	1.14	2.21	3.45	23.79	20.34	23.54	20.09	1.26	2.92	4.18	6.21	29.97	23.76	29.54	23.33
	18	1.10	1.24	2.34	3.68	23.79	20.11	23.54	19.86	1.29	3.16	4.45	6.48	29.97	23.49	29.54	23.06
	36	1.04	1.18	2.22	3.47	23.79	20.32	23.54	20.07	1.22	3.02	4.24	6.27	29.97	23.70	29.54	23.27
5775	0	4.49	4.64	9.13	9.61	30.00	20.39	30.00	20.39	5.28	11.85	17.13	12.34	36.00	23.66	36.00	23.66
	18	4.73	4.93	9.65	9.85	30.00	20.15	30.00	20.15	5.55	12.58	18.13	12.58	36.00	23.42	36.00	23.42
	36	4.37	4.74	9.11	9.59	30.00	20.41	30.00	20.41	5.14	12.09	17.23	12.36	36.00	23.64	36.00	23.64

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5210	0	0.55	-15.10	2.95	10.01	0.70	-1.59	-0.89	-14.91	2.95	10.00	4.07	-1.41	2.66
	18	0.55	-14.82	2.95	10.01	0.70	-1.31	-0.61	-14.54	2.95	10.00	4.07	-1.04	3.03
	36	0.55	-15.12	2.95	10.01	0.70	-1.61	-0.91	-14.82	2.95	10.00	4.07	-1.32	2.75
5290	0	0.55	-17.54	2.96	10.01	0.70	-4.02	-3.32	-17.43	2.96	10.00	4.07	-3.92	0.15
	18	0.55	-17.41	2.96	10.01	0.70	-3.89	-3.19	-16.76	2.96	10.00	4.07	-3.25	0.82
	36	0.55	-17.47	2.96	10.01	0.70	-3.95	-3.25	-16.82	2.96	10.00	4.07	-3.31	0.76
5530	0	0.55	-13.24	2.98	10.01	0.70	0.30	1.00	-12.95	2.98	10.01	4.07	0.59	4.66
	18	0.55	-13.13	2.98	10.01	0.70	0.41	1.11	-12.61	2.98	10.01	4.07	0.93	5.00
	36	0.55	-13.37	2.98	10.01	0.70	0.17	0.87	-12.81	2.98	10.01	4.07	0.73	4.80
5775	0	0.55	-7.03	3.00	10.01	0.70	6.53	7.23	-6.90	3.00	10.02	4.07	6.67	10.74
	18	0.55	-6.81	3.00	10.01	0.70	6.75	7.45	-6.64	3.00	10.02	4.07	6.93	11.00
	36	0.55	-7.15	3.00	10.01	0.70	6.41	7.11	-6.81	3.00	10.02	4.07	6.76	10.83

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (19.013 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.987 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 November 24, 2023 February 5, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 23 deg. C / 32 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-80 (OFDMA) (SDM) 52-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5210	37	1.39	1.39	2.77	4.43	23.97	19.54	-	-	1.63	3.54	5.17	7.13	29.97	22.84	22.53	15.40
	44	1.40	1.46	2.86	4.56	23.97	19.41	-	-	1.64	3.73	5.37	7.30	29.97	22.67	22.53	15.23
	52	1.38	1.43	2.82	4.50	23.97	19.47	-	-	1.62	3.66	5.29	7.23	29.97	22.74	22.53	15.30
5290	37	0.81	0.87	1.69	2.27	23.80	21.53	23.53	21.26	0.96	2.23	3.18	5.03	29.97	24.94	29.53	24.50
	44	0.82	0.96	1.79	2.52	23.80	21.28	23.53	21.01	0.97	2.46	3.43	5.35	29.97	24.62	29.53	24.18
	52	0.82	0.98	1.80	2.56	23.80	21.24	23.53	20.97	0.96	2.51	3.47	5.41	29.97	24.56	29.53	24.12
5530	37	2.13	2.31	4.43	6.47	23.80	17.33	23.53	17.06	2.50	5.88	8.38	9.23	29.97	20.74	29.53	20.30
	44	2.09	2.38	4.47	6.51	23.80	17.29	23.53	17.02	2.46	6.08	8.54	9.31	29.97	20.66	29.53	20.22
	52	2.08	2.40	4.48	6.51	23.80	17.29	23.53	17.02	2.45	6.12	8.57	9.33	29.97	20.64	29.53	20.20
5775	37	4.40	4.68	9.09	9.58	30.00	20.42	30.00	20.42	5.17	11.96	17.13	12.34	36.00	23.66	36.00	23.66
	44	4.48	4.56	9.04	9.56	30.00	20.44	30.00	20.44	5.27	11.63	16.90	12.28	36.00	23.72	36.00	23.72
	52	4.30	4.72	9.02	9.55	30.00	20.45	30.00	20.45	5.05	12.04	17.10	12.33	36.00	23.67	36.00	23.67

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5210	37	0.82	-12.36	2.95	10.01	0.70	1.42	2.12	-12.35	2.95	10.00	4.07	1.42	5.49
	44	0.82	-12.33	2.95	10.01	0.70	1.45	2.15	-12.12	2.95	10.00	4.07	1.65	5.72
	52	0.82	-12.37	2.95	10.01	0.70	1.41	2.11	-12.20	2.95	10.00	4.07	1.57	5.64
5290	37	0.82	-14.68	2.96	10.01	0.70	-0.89	-0.19	-14.37	2.96	10.00	4.07	-0.59	3.48
	44	0.82	-14.63	2.96	10.01	0.70	-0.84	-0.14	-13.94	2.96	10.00	4.07	-0.16	3.91
	52	0.82	-14.65	2.96	10.01	0.70	-0.86	-0.16	-13.85	2.96	10.00	4.07	-0.07	4.00
5530	37	0.82	-10.53	2.98	10.01	0.70	3.28	3.98	-10.18	2.98	10.01	4.07	3.63	7.70
	44	0.82	-10.60	2.98	10.01	0.70	3.21	3.91	-10.04	2.98	10.01	4.07	3.77	7.84
	52	0.82	-10.62	2.98	10.01	0.70	3.19	3.89	-10.01	2.98	10.01	4.07	3.80	7.87
5775	37	0.82	-7.39	3.00	10.01	0.70	6.44	7.14	-7.13	3.00	10.02	4.07	6.71	10.78
	44	0.82	-7.31	3.00	10.01	0.70	6.52	7.22	-7.25	3.00	10.02	4.07	6.59	10.66
	52	0.82	-7.49	3.00	10.01	0.70	6.34	7.04	-7.10	3.00	10.02	4.07	6.74	10.81

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

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

For all test frequencies, B was applied the minimum value (19.074 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.929 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 November 24, 2023 February 5, 2024 July 9, 2024
Temperature / Humidity 24 deg. C / 40 % RH 22 deg. C / 46 % RH 23 deg. C / 32 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Yusuke Tanikawara Kazuya Noda Kouki Yamada
Mode Tx, Ant 0 + Ant 2

11ax-80 (OFDMA) (SDM) 106-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	37	2.79	2.87	5.66	7.53	23.97	16.44	-	-	3.27	7.33	10.60	10.25	29.97	19.72	22.51	12.26
	44	2.82	2.88	5.70	7.56	23.97	16.41	-	-	3.32	7.34	10.66	10.28	29.97	19.69	22.51	12.23
	52	2.78	2.84	5.62	7.50	23.97	16.47	-	-	3.27	7.26	10.53	10.22	29.97	19.75	22.51	12.29
5290	37	1.50	1.55	3.06	4.85	23.91	19.06	23.51	18.66	1.77	3.96	5.73	7.58	29.97	22.39	29.51	21.93
	44	1.48	1.65	3.13	4.95	23.91	18.96	23.51	18.56	1.74	4.21	5.94	7.74	29.97	22.23	29.51	21.77
	52	1.50	1.73	3.23	5.09	23.91	18.82	23.51	18.42	1.76	4.42	6.17	7.90	29.97	22.07	29.51	21.61
5530	37	4.48	4.68	9.15	9.62	23.91	14.29	23.51	13.89	5.26	11.94	17.20	12.35	29.97	17.62	29.51	17.16
	44	4.43	4.82	9.24	9.66	23.91	14.25	23.51	13.85	5.20	12.30	17.50	12.43	29.97	17.54	29.51	17.08
	52	4.32	4.75	9.08	9.58	23.91	14.33	23.51	13.93	5.08	12.13	17.21	12.36	29.97	17.61	29.51	17.15
5775	37	4.37	4.63	9.01	9.55	30.00	20.45	30.00	20.45	5.14	11.83	16.97	12.30	36.00	23.70	36.00	23.70
	44	4.44	4.50	8.93	9.51	30.00	20.49	30.00	20.49	5.21	11.48	16.69	12.22	36.00	23.78	36.00	23.78
	52	4.26	4.81	9.06	9.57	30.00	20.43	30.00	20.43	5.00	12.27	17.27	12.37	36.00	23.63	36.00	23.63

Tested Frequency [MHz]	RU Index	Ant 0								Ant 2							
		Duty Factor	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	e.i.r.p.		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	e.i.r.p.		
		[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]		
5210	37	1.11	-9.62	2.95	10.01	0.70	4.45	5.15	-9.48	2.95	10.00	4.07	4.58	8.65			
	44	1.11	-9.56	2.95	10.01	0.70	4.51	5.21	-9.47	2.95	10.00	4.07	4.59	8.66			
	52	1.11	-9.63	2.95	10.01	0.70	4.44	5.14	-9.52	2.95	10.00	4.07	4.54	8.61			
5290	37	1.11	-12.31	2.96	10.01	0.70	1.77	2.47	-12.16	2.96	10.00	4.07	1.91	5.98			
	44	1.11	-12.38	2.96	10.01	0.70	1.70	2.40	-11.90	2.96	10.00	4.07	2.17	6.24			
	52	1.11	-12.33	2.96	10.01	0.70	1.75	2.45	-11.69	2.96	10.00	4.07	2.38	6.45			
5530	37	1.11	-7.59	2.98	10.01	0.70	6.51	7.21	-7.40	2.98	10.01	4.07	6.70	10.77			
	44	1.11	-7.64	2.98	10.01	0.70	6.46	7.16	-7.27	2.98	10.01	4.07	6.83	10.90			
	52	1.11	-7.74	2.98	10.01	0.70	6.36	7.06	-7.33	2.98	10.01	4.07	6.77	10.84			
5775	37	1.11	-7.71	3.00	10.01	0.70	6.41	7.11	-7.47	3.00	10.02	4.07	6.66	10.73			
	44	1.11	-7.65	3.00	10.01	0.70	6.47	7.17	-7.60	3.00	10.02	4.07	6.53	10.60			
	52	1.11	-7.83	3.00	10.01	0.70	6.29	6.99	-7.31	3.00	10.02	4.07	6.82	10.89			

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (19.548 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (17.827 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 February 5, 2024 July 9, 2024
Temperature / Humidity 24 deg. C / 40 % RH 23 deg. C / 32 % RH 23 deg. C / 37 % RH
Engineer Kazuya Noda Kazuya Noda Kouki Yamada
Mode Tx, Ant 0 + Ant 2

11ax-80 (OFDMA) (SDM) 242-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	0 [mW]	Ant 2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407 [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5210	61	5.68	5.87	11.55	10.62	23.97	13.35	-	-	6.67	14.98	21.65	13.35	29.97	16.62	22.84	9.49
	62	5.76	5.99	11.75	10.70	23.97	13.27	-	-	6.77	15.29	22.06	13.44	29.97	16.53	22.84	9.40
	64	5.64	5.76	11.40	10.57	23.97	13.40	-	-	6.63	14.70	21.33	13.29	29.97	16.68	22.84	9.55
5290	61	3.09	3.19	6.29	7.98	23.97	15.99	23.84	15.86	3.63	8.15	11.79	10.71	29.97	19.26	29.84	19.13
	62	3.13	3.37	6.50	8.13	23.97	15.84	23.84	15.71	3.68	8.60	12.27	10.89	29.97	19.08	29.84	18.95
	64	3.06	3.49	6.54	8.16	23.97	15.81	23.84	15.68	3.59	8.90	12.49	10.97	29.97	19.00	29.84	18.87
5530	61	5.89	6.05	11.94	10.77	23.97	13.20	23.84	13.07	6.92	15.43	22.36	13.49	29.97	16.48	29.84	16.35
	62	5.96	6.45	12.41	10.94	23.97	13.03	23.84	12.90	7.00	16.46	23.46	13.70	29.97	16.27	29.84	16.14
	64	5.60	6.13	11.73	10.69	23.97	13.28	23.84	13.15	6.58	15.65	22.23	13.47	29.97	16.50	29.84	16.37
5775	61	4.37	4.59	8.95	9.52	30.00	20.48	30.00	20.48	5.13	11.71	16.84	12.26	36.00	23.74	36.00	23.74
	62	4.48	4.65	9.13	9.61	30.00	20.39	30.00	20.39	5.27	11.87	17.13	12.34	36.00	23.66	36.00	23.66
	64	4.32	4.65	8.97	9.53	30.00	20.47	30.00	20.47	5.07	11.87	16.94	12.29	36.00	23.71	36.00	23.71

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5210	61	1.33	-6.75	2.95	10.01	0.70	7.54	8.24	-6.60	2.95	10.00	4.07	7.68	11.75
	62	1.33	-6.69	2.95	10.01	0.70	7.60	8.30	-6.51	2.95	10.00	4.07	7.77	11.84
	64	1.33	-6.78	2.95	10.01	0.70	7.51	8.21	-6.68	2.95	10.00	4.07	7.60	11.67
5290	61	1.33	-9.40	2.96	10.01	0.70	4.90	5.60	-9.25	2.96	10.00	4.07	5.04	9.11
	62	1.33	-9.35	2.96	10.01	0.70	4.95	5.65	-9.02	2.96	10.00	4.07	5.27	9.34
	64	1.33	-9.45	2.96	10.01	0.70	4.85	5.55	-8.87	2.96	10.00	4.07	5.42	9.49
5530	61	1.33	-6.62	2.98	10.01	0.70	7.70	8.40	-6.51	2.98	10.01	4.07	7.81	11.88
	62	1.33	-6.57	2.98	10.01	0.70	7.75	8.45	-6.23	2.98	10.01	4.07	8.09	12.16
	64	1.33	-6.84	2.98	10.01	0.70	7.48	8.18	-6.45	2.98	10.01	4.07	7.87	11.94
5775	61	1.33	-7.94	3.00	10.01	0.70	6.40	7.10	-7.74	3.00	10.02	4.07	6.61	10.68
	62	1.33	-7.83	3.00	10.01	0.70	6.51	7.21	-7.68	3.00	10.02	4.07	6.67	10.74
	64	1.33	-7.99	3.00	10.01	0.70	6.35	7.05	-7.68	3.00	10.02	4.07	6.67	10.74

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (24.644 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (19.245 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 February 5, 2024
Temperature / Humidity 24 deg. C / 40 % RH 23 deg. C / 32 % RH
Engineer Kazuya Noda Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-80 (OFDMA) (SDM) 484-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	65	5.72	5.94	11.66	10.67	23.97	13.30	-	-	6.72	15.17	21.89	13.40	29.97	16.57	23.01	9.61
	66	5.72	5.82	11.54	10.62	23.97	13.35	-	-	6.72	14.86	21.58	13.34	29.97	16.63	23.01	9.67
5290	65	5.92	6.47	12.39	10.93	23.97	13.04	23.97	13.04	6.95	16.52	23.48	13.71	29.97	16.26	30.00	16.29
	66	5.99	6.90	12.89	11.10	23.97	12.87	23.97	12.87	7.03	17.62	24.66	13.92	29.97	16.05	30.00	16.08
5530	65	5.86	6.35	12.22	10.87	23.97	13.10	23.97	13.10	6.89	16.22	23.11	13.64	29.97	16.33	30.00	16.36
	66	5.74	6.55	12.29	10.90	23.97	13.07	23.97	13.07	6.75	16.72	23.46	13.70	29.97	16.27	30.00	16.30
5775	65	4.41	4.67	9.07	9.58	30.00	20.42	30.00	20.42	5.18	11.92	17.09	12.33	36.00	23.67	36.00	23.67
	66	4.27	4.65	8.91	9.50	30.00	20.50	30.00	20.50	5.01	11.86	16.87	12.27	36.00	23.73	36.00	23.73

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0						Ant 2					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5210	65	1.50	-6.89	2.95	10.01	0.70	7.57	8.27	-6.71	2.95	10.00	4.07	7.74	11.81
	66	1.50	-6.89	2.95	10.01	0.70	7.57	8.27	-6.80	2.95	10.00	4.07	7.65	11.72
5290	65	1.50	-6.75	2.96	10.01	0.70	7.72	8.42	-6.35	2.96	10.00	4.07	8.11	12.18
	66	1.50	-6.70	2.96	10.01	0.70	7.77	8.47	-6.07	2.96	10.00	4.07	8.39	12.46
5530	65	1.50	-6.81	2.98	10.01	0.70	7.68	8.38	-6.46	2.98	10.01	4.07	8.03	12.10
	66	1.50	-6.90	2.98	10.01	0.70	7.59	8.29	-6.33	2.98	10.01	4.07	8.16	12.23
5775	65	1.50	-8.07	3.00	10.01	0.70	6.44	7.14	-7.83	3.00	10.02	4.07	6.69	10.76
	66	1.50	-8.21	3.00	10.01	0.70	6.30	7.00	-7.85	3.00	10.02	4.07	6.67	10.74

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (79.867 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (67.784 MHz) as conservative limit.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023 February 5, 2024
Temperature / Humidity 24 deg. C / 40 % RH 23 deg. C / 32 % RH
Engineer Kazuya Noda Kazuya Noda
Mode Tx, Ant 0 + Ant 2

11ax-80 (OFDMA) (SDM) 996-tone

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.							
		0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin	0	Ant 2	Sum	Result	FCC 15.407 Limit	Margin	RSS-247 Limit	Margin
		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	67	5.61	5.84	11.45	10.59	23.97	13.38	-	-	6.59	14.90	21.49	13.32	29.97	16.65	23.01	9.69
5290	67	5.85	6.46	12.31	10.90	23.97	13.07	23.97	13.07	6.88	16.48	23.36	13.69	29.97	16.28	30.00	16.31
5530	67	5.68	6.33	12.00	10.79	23.97	13.18	23.97	13.18	6.67	16.15	22.82	13.58	29.97	16.39	30.00	16.42
5775	67	4.37	4.59	8.96	9.52	30.00	20.48	30.00	20.48	5.13	11.72	16.85	12.27	36.00	23.73	36.00	23.73

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	Ant 0							Ant 2						
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	
5210	67	1.58	-7.05	2.95	10.01	0.70	7.49	8.19	-6.87	2.95	10.00	4.07	7.66	11.73		
5290	67	1.58	-6.88	2.96	10.01	0.70	7.67	8.37	-6.44	2.96	10.00	4.07	8.10	12.17		
5530	67	1.58	-7.03	2.98	10.01	0.70	7.54	8.24	-6.56	2.98	10.01	4.07	8.01	12.08		
5775	67	1.58	-8.19	3.00	10.01	0.70	6.40	7.10	-7.98	3.00	10.02	4.07	6.62	10.69		

Sample Calculation:

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

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (80.372 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower

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

e.i.r.p. Limit (5150-5250MHz) = 200mW or (10 + 10logB) dBm, whichever is lower

e.i.r.p. Limit (5250-5350MHz, 5470-5600MHz, 5650-5725MHz) = 1W or (17 + 10logB) dBm, whichever is lower

For all test frequencies, B was applied the minimum value (77.424 MHz) as conservative limit.

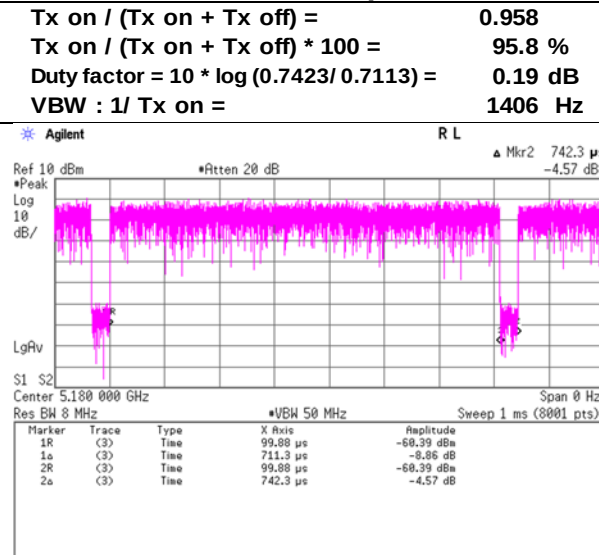
Burst rate confirmation

Test place
Date
Temperature / Humidity
Engineer
Mode

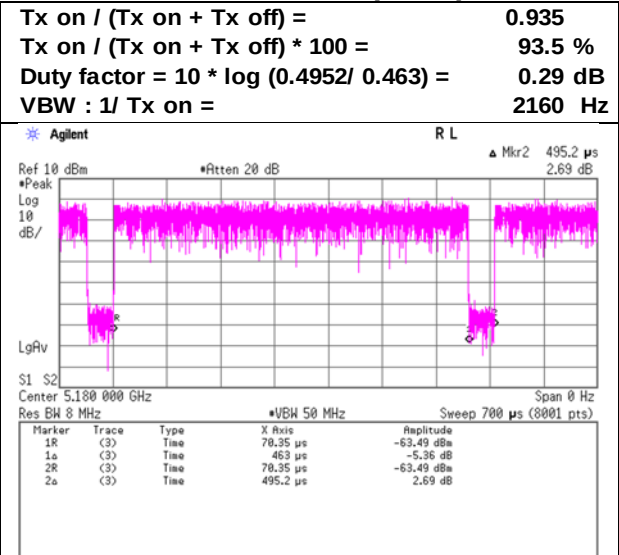
Shonan EMC Lab. No.1 Measurement Room
September 29, 2023
24 deg. C / 46 % RH
Kazuya Noda
Tx

October 27, 2023
25 deg. C / 33 % RH
Kazuya Noda

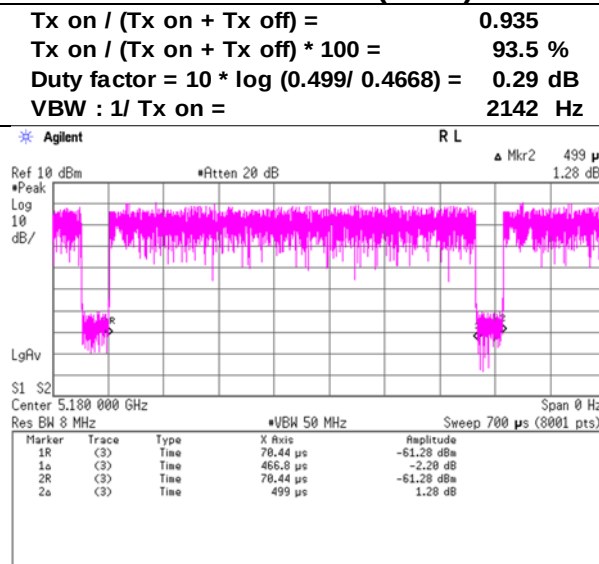
11a 12 Mbps



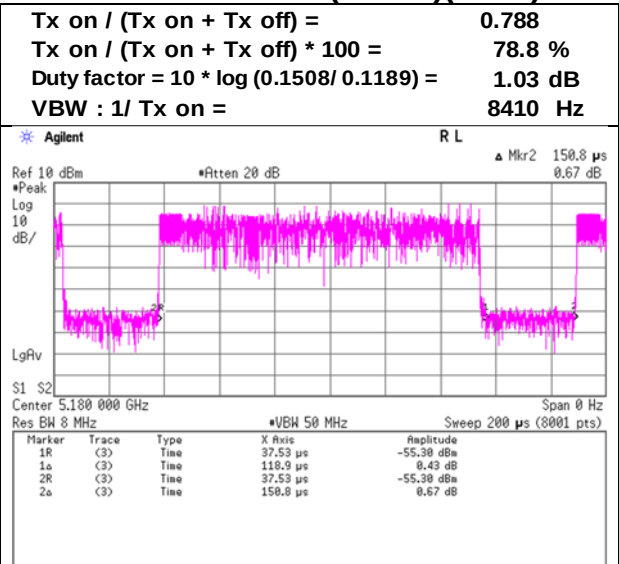
11n-20 MCS 2 (SISO)



11ac-20 MCS 2 (SISO)



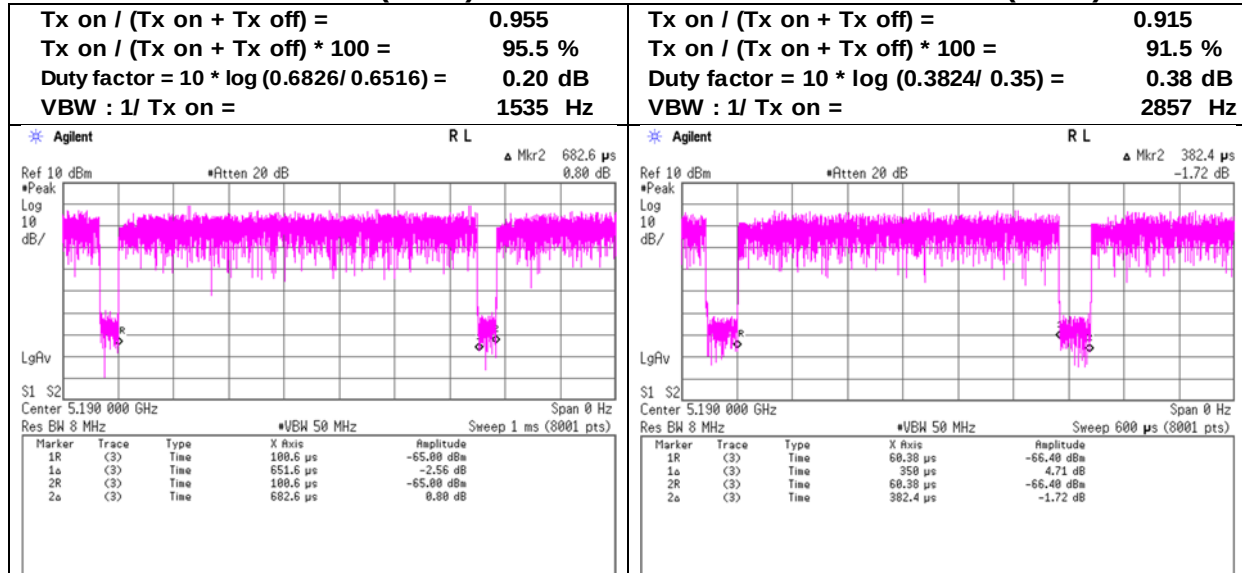
11ax-20 MCS 11 (OFDM)(SISO)



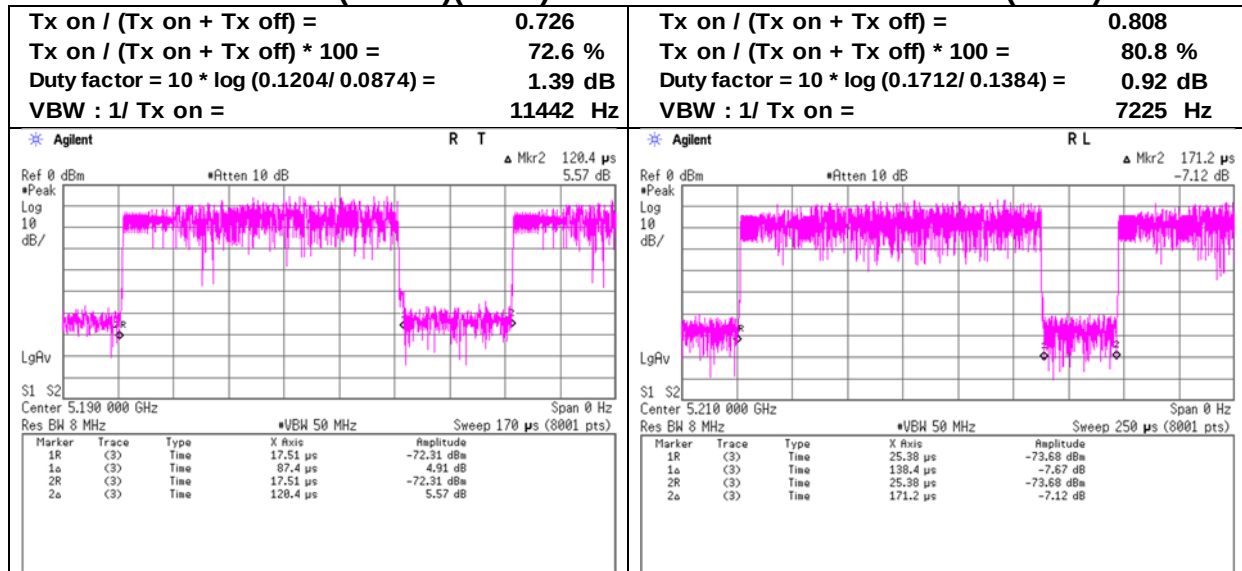
Burst rate confirmation

Test place	Shonan EMC Lab. No.1 Measurement Room
Date	September 29, 2023 October 31, 2023
Temperature / Humidity	24 deg. C / 46 % RH 25 deg. C / 33 % RH
Engineer	Kazuya Noda Kazuya Noda
Mode	Tx

11n-40 MCS 0 (SISO)



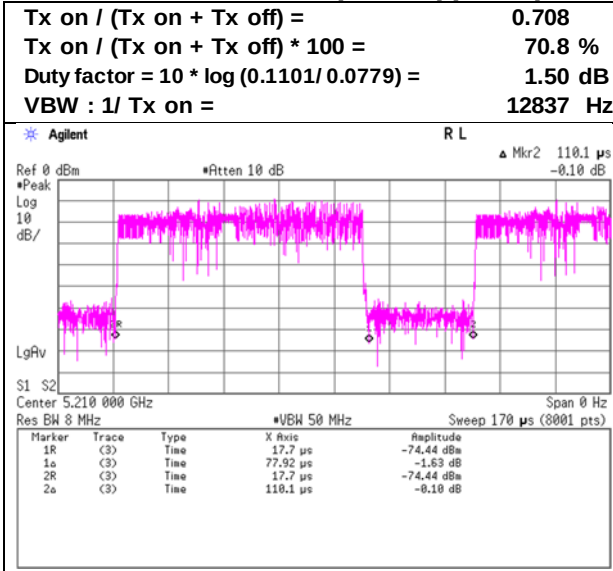
11ax-40 MCS 11 (OFDM)(SISO)



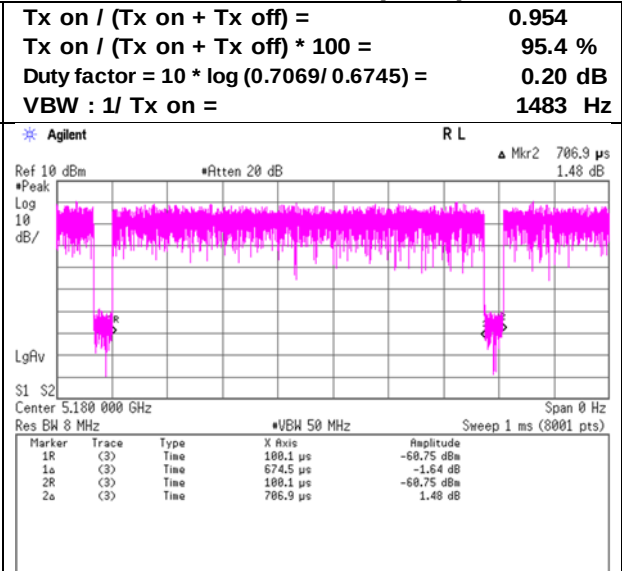
Burst rate confirmation

Test place	Shonan EMC Lab. No.1 Measurement Room		
Date	September 29, 2023	October 27, 2023	October 31, 2023
Temperature / Humidity	24 deg. C / 46 % RH	25 deg. C / 33 % RH	25 deg. C / 33 % RH
Engineer	Kazuya Noda	Kazuya Noda	Kazuya Noda
Mode	Tx		

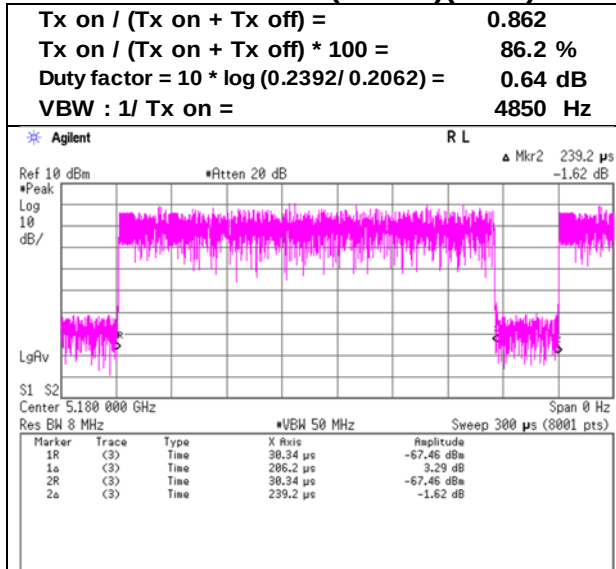
11ax-80 MCS 10 (OFDM)(SISO)



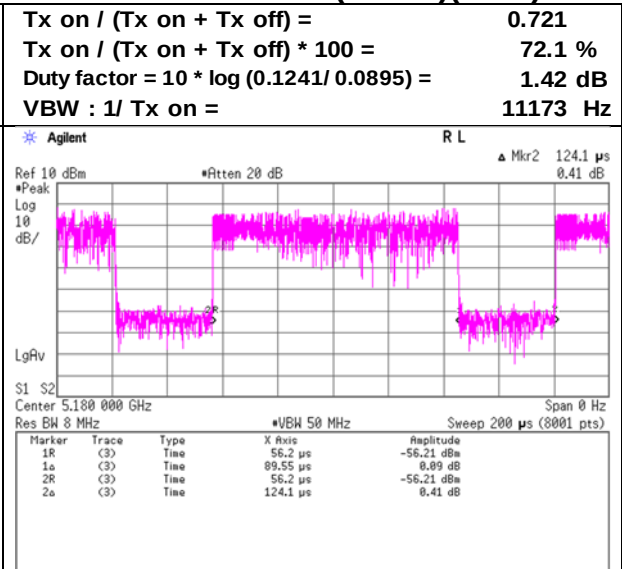
11n-20 MCS 8 (SDM)



11ac-20 MCS 3 (OFDM)(SDM)



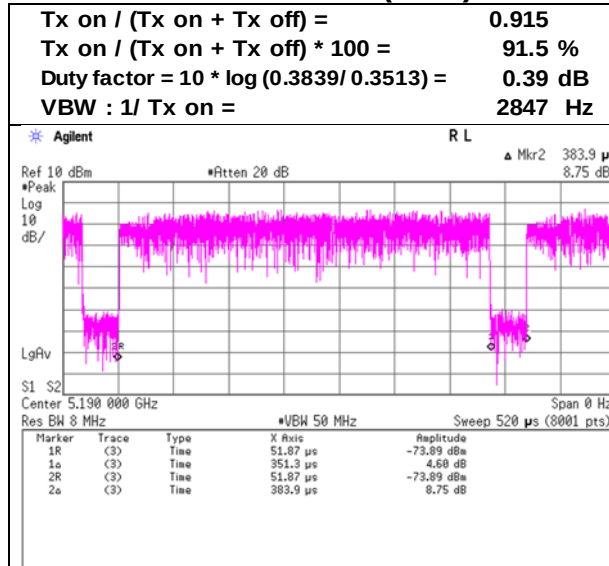
11ax-20 MCS 11 (OFDM)(SDM)



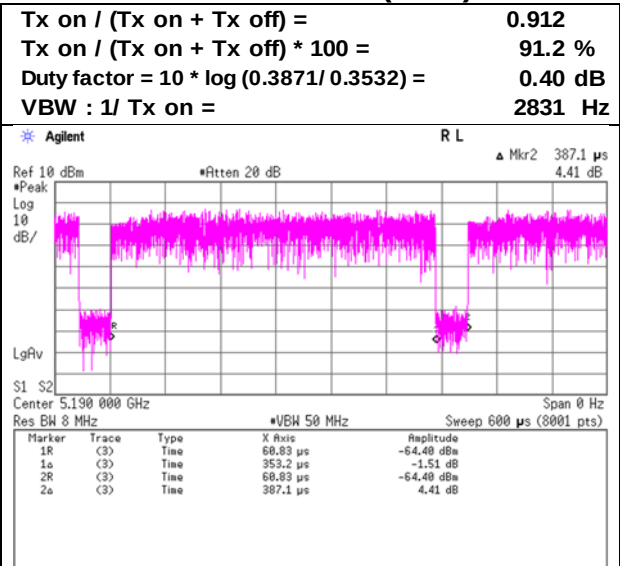
Burst rate confirmation

Test place	Shonan EMC Lab. No.1 Measurement Room		
Date	September 29, 2023	September 29, 2023	October 31, 2023
Temperature / Humidity	24 deg. C / 46 % RH	24 deg. C / 48 % RH	25 deg. C / 33 % RH
Engineer	Kazuya Noda	Yusuke Tanikawara	Kazuya Noda
Mode	Tx		

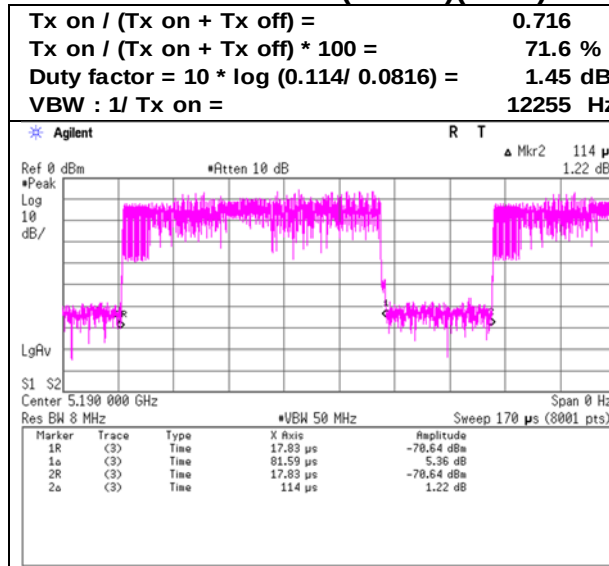
11n-40 MCS 8 (SDM)



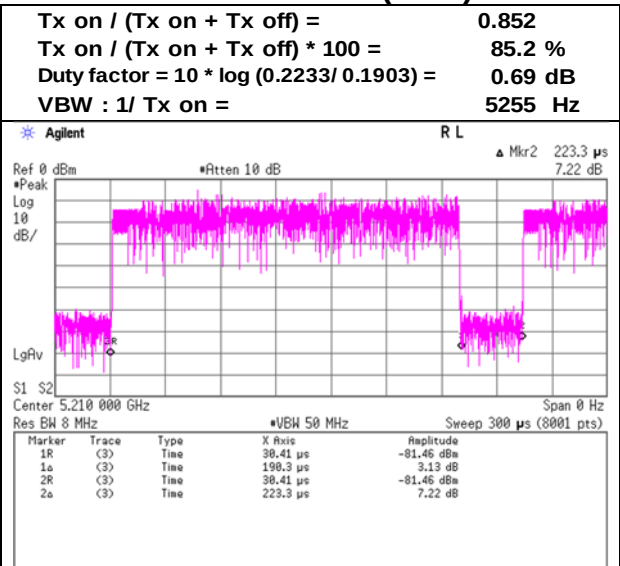
11ac-40 MCS 0 (SDM)



11ax-40 MCS 10 (OFDM)(SDM)



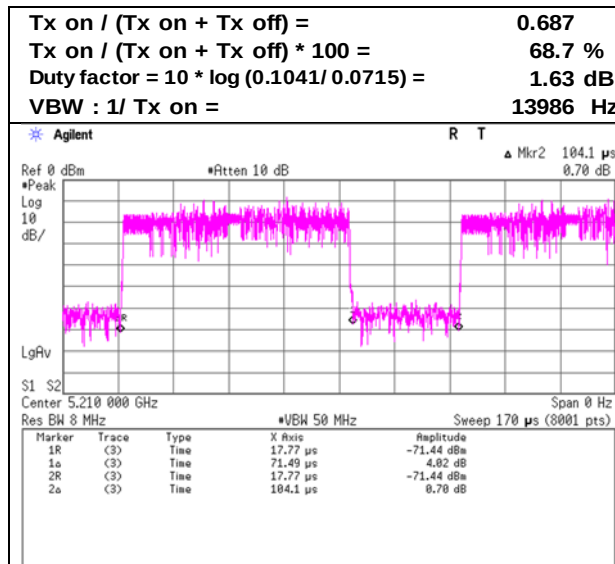
11ac-80 MCS 0 (SDM)



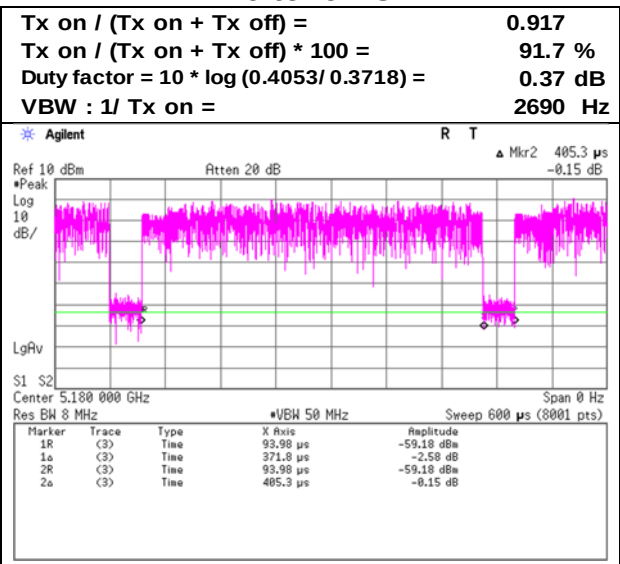
Burst rate confirmation

Test place	Shonan EMC Lab. No.1 Measurement Room
Date	October 31, 2023 November 1, 2023
Temperature / Humidity	25 deg. C / 33 % RH 25 deg. C / 39 % RH
Engineer	Kazuya Noda Kazuya Noda
Mode	Tx

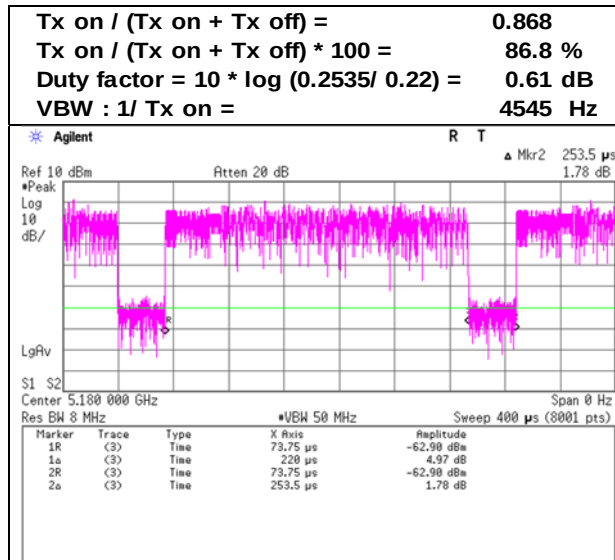
11ax-80 MCS 10 (OFDM)(SDM)



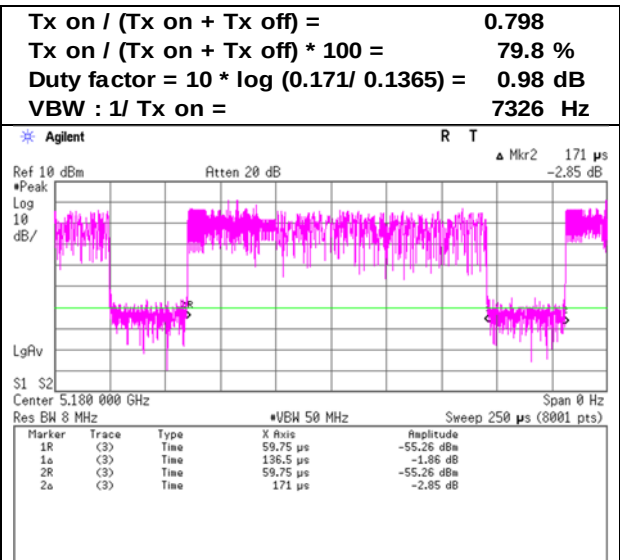
11ax-20 MCS 11 (OFDMA)(SISO) 26-tone RU



11ax-20 MCS 11 (OFDMA)(SISO) 52-tone RU



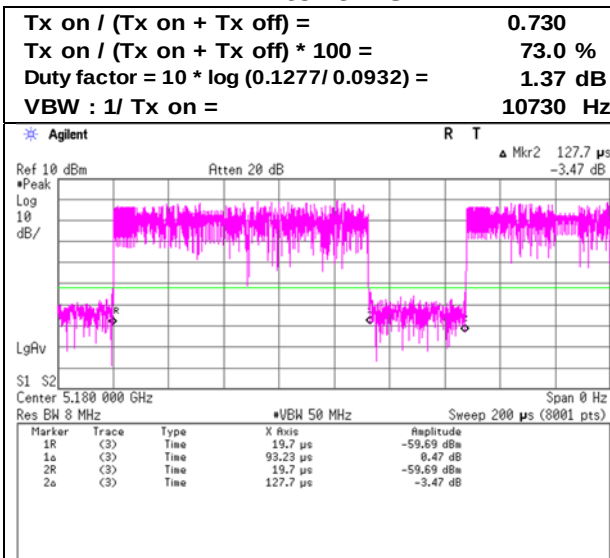
11ax-20 MCS 11 (OFDMA)(SISO) 106-tone RU



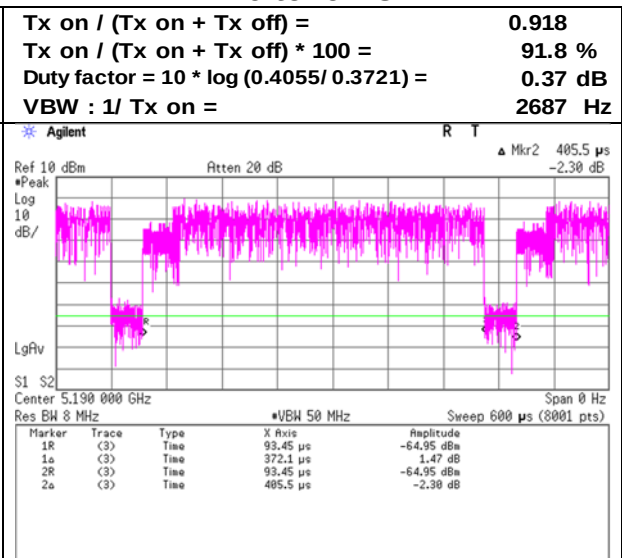
Burst rate confirmation

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 1, 2023
Temperature / Humidity 25 deg. C / 39 % RH
Engineer Kazuya Noda
Mode Tx

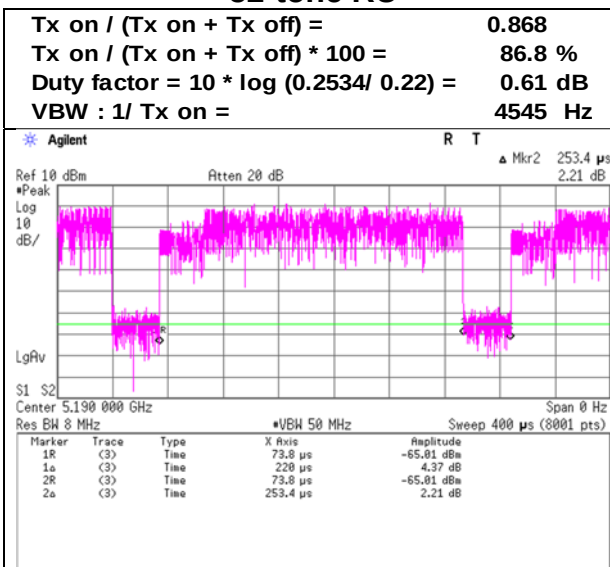
11ax-20 MCS 11 (OFDMA)(SISO) 242-tone RU



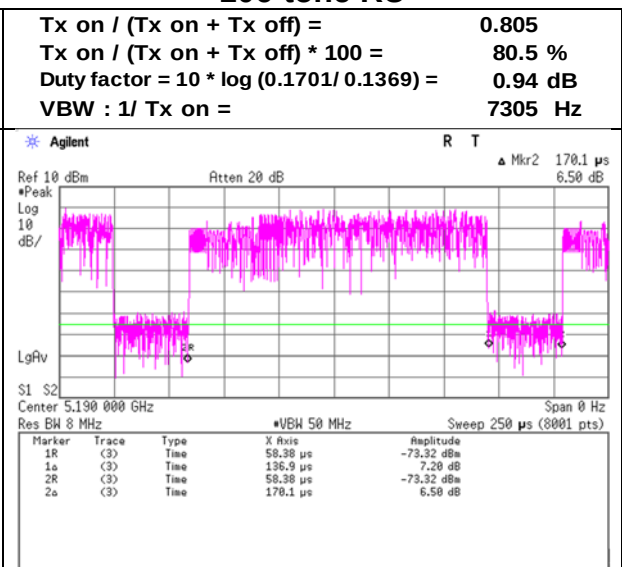
11ax-40 MCS 11 (OFDMA)(SISO) 26-tone RU



11ax-40 MCS 11 (OFDMA)(SISO) 52-tone RU



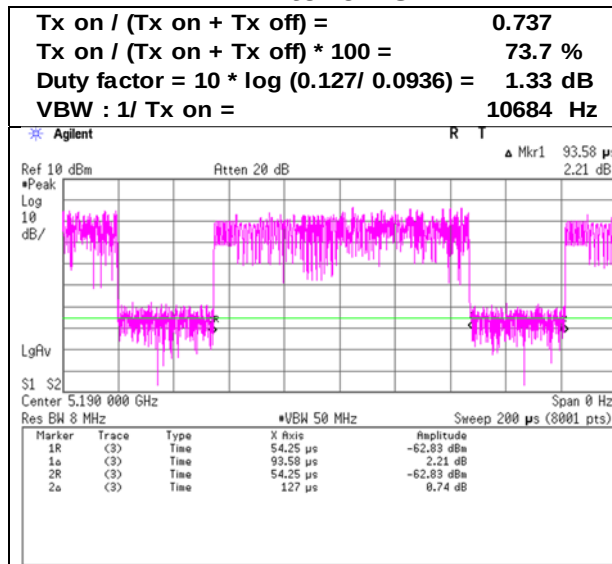
11ax-40 MCS 11 (OFDMA)(SISO) 106-tone RU



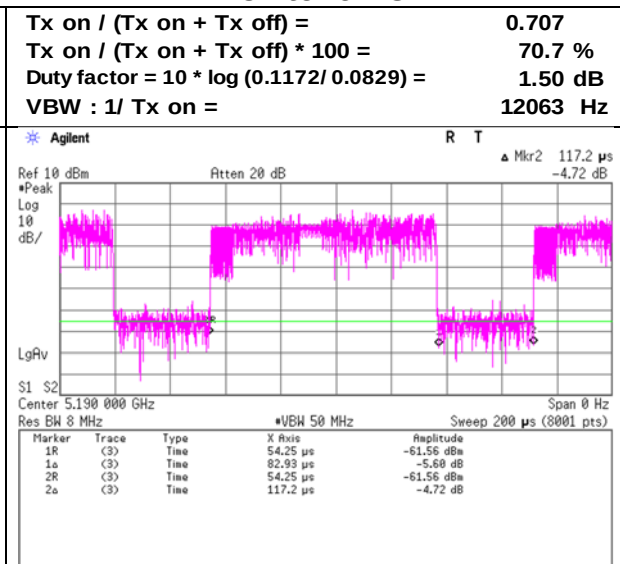
Burst rate confirmation

Test place	Shonan EMC Lab. No.1 Measurement Room
Date	November 1, 2023 November 7, 2023
Temperature / Humidity	25 deg. C / 39 % RH 25 deg. C / 55 % RH
Engineer	Kazuya Noda Kazuya Noda
Mode	Tx

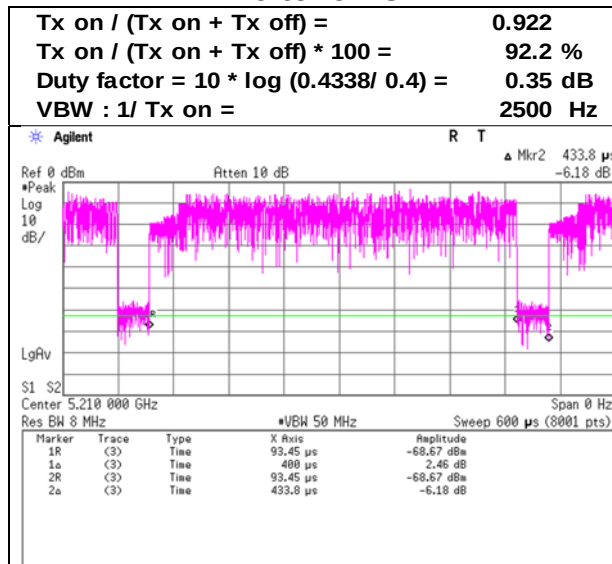
11ax-40 MCS 11 (OFDMA)(SISO) 242-tone RU



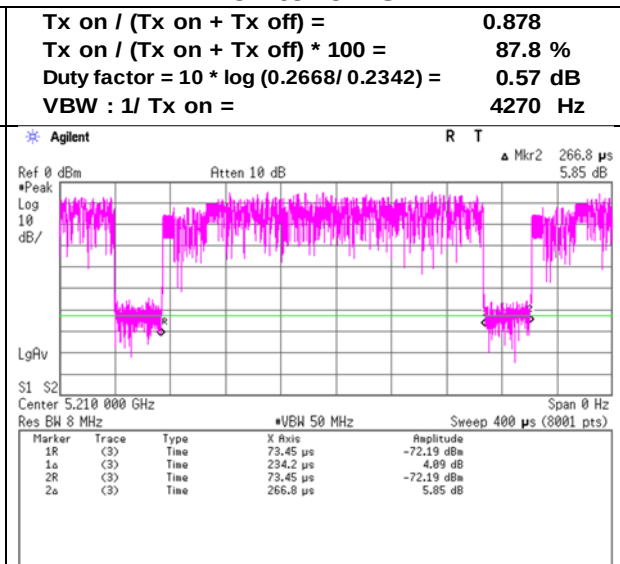
11ax-40 MCS 11 (OFDMA)(SISO) 484-tone RU



11ax-80 MCS 10 (OFDMA)(SISO) 26-tone RU



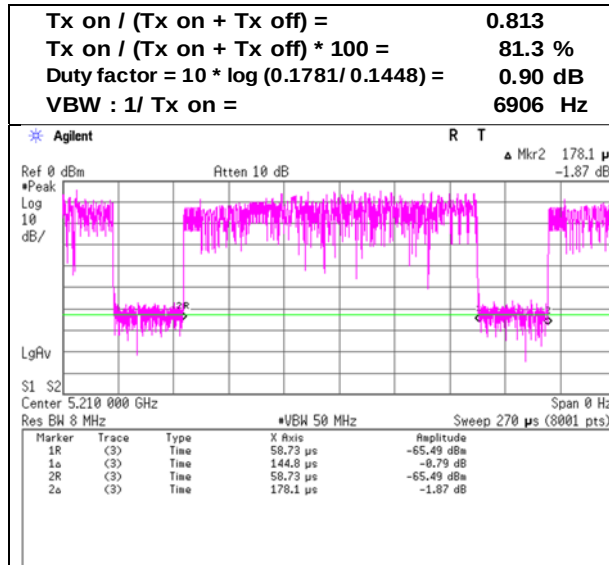
11ax-80 MCS 10 (OFDMA)(SISO) 52-tone RU



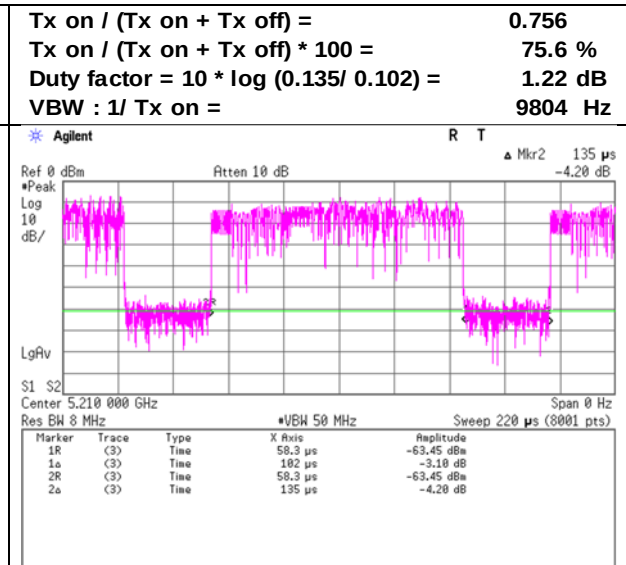
Burst rate confirmation

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 7, 2023
Temperature / Humidity 25 deg. C / 55 % RH
Engineer Kazuya Noda
Mode Tx

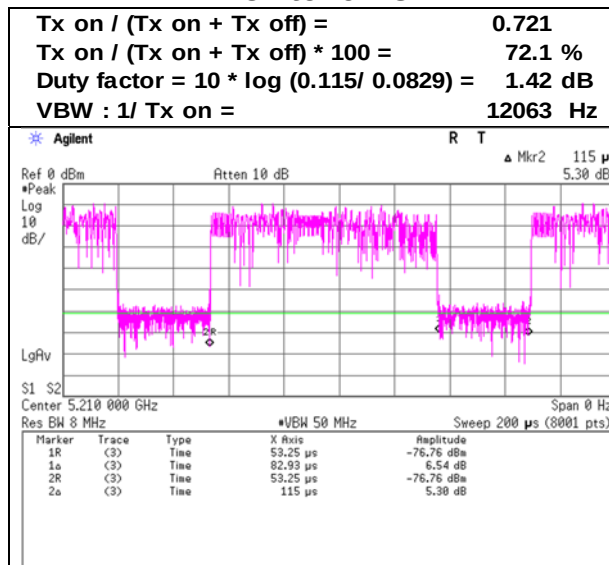
11ax-80 MCS 10 (OFDMA)(SISO) 106-tone RU



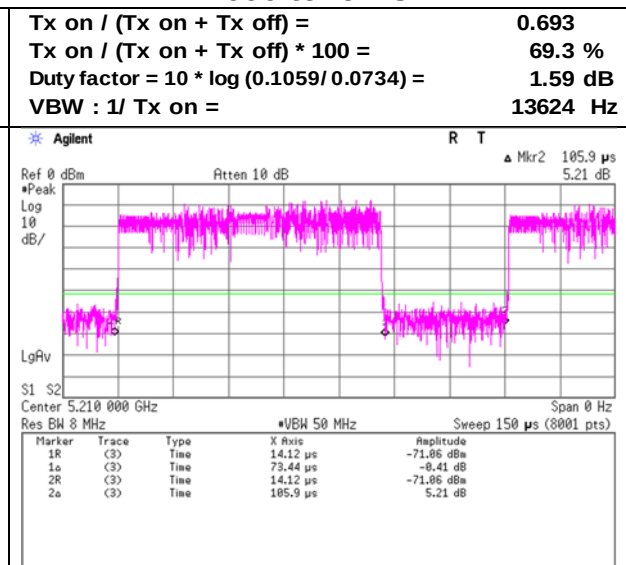
11ax-80 MCS 10 (OFDMA)(SISO) 242-tone RU



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



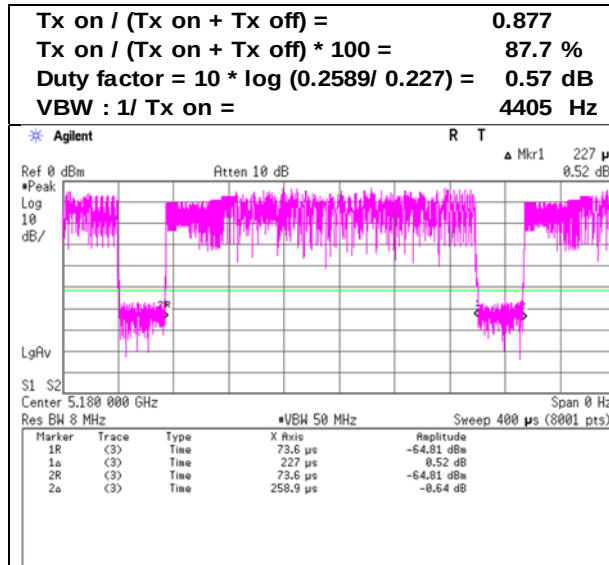
11ax-80 MCS 10 (OFDMA)(SISO) 996-tone RU



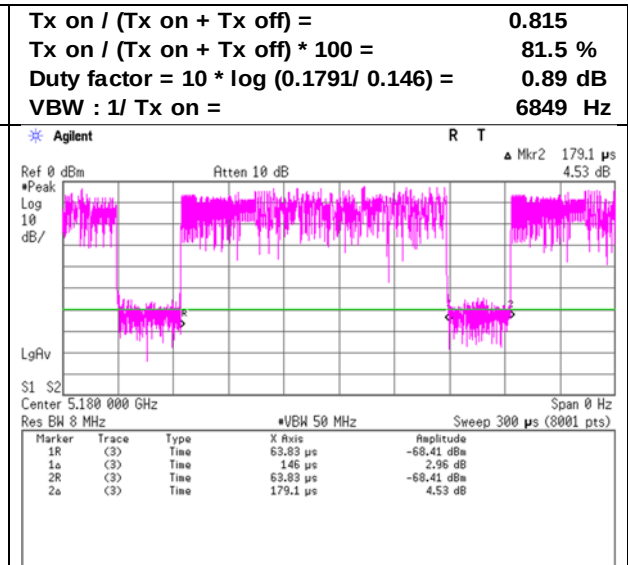
Burst rate confirmation

Test place	Shonan EMC Lab. No.1 Measurement Room
Date	November 7, 2023 November 8, 2023
Temperature / Humidity	25 deg. C / 55 % RH 24 deg. C / 40 % RH
Engineer	Kazuya Noda Kazuya Noda
Mode	Tx

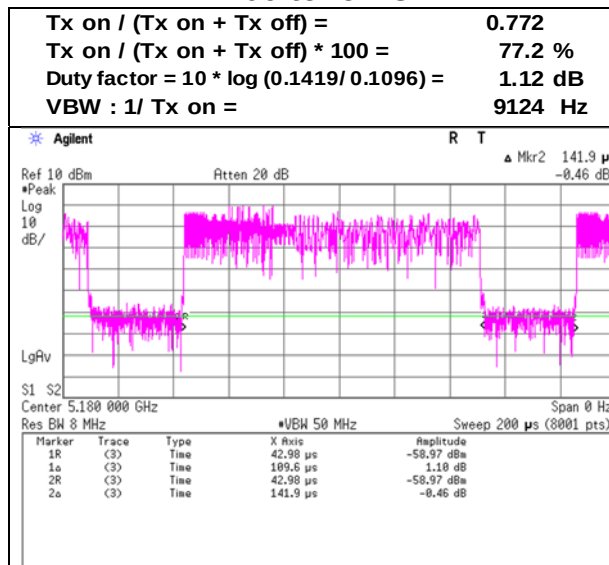
11ax-20 MCS 11 (OFDMA)(SDM) 26-tone RU



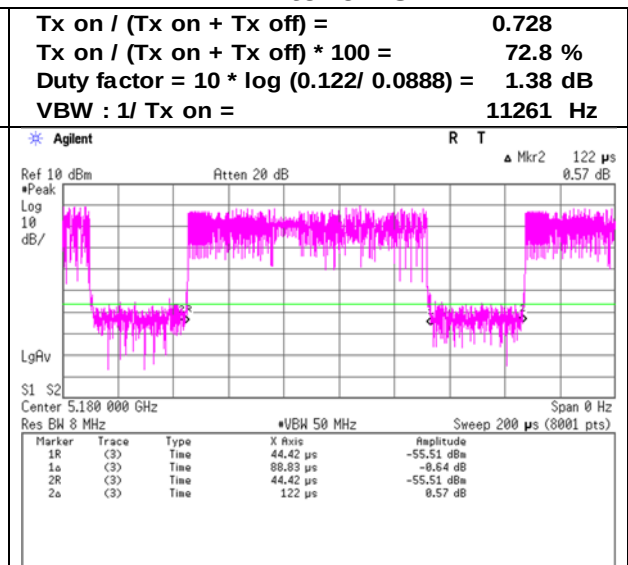
11ax-20 MCS 11 (OFDMA)(SDM) 52-tone RU



11ax-20 MCS 11 (OFDMA)(SDM) 106-tone RU



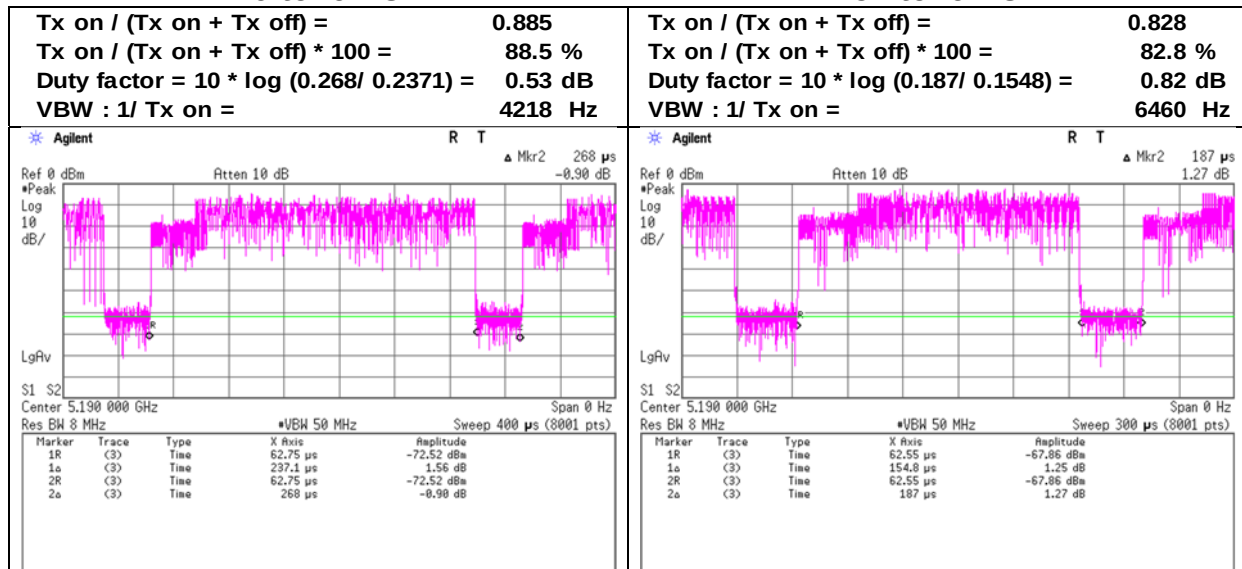
11ax-20 MCS 11 (OFDMA)(SDM) 242-tone RU



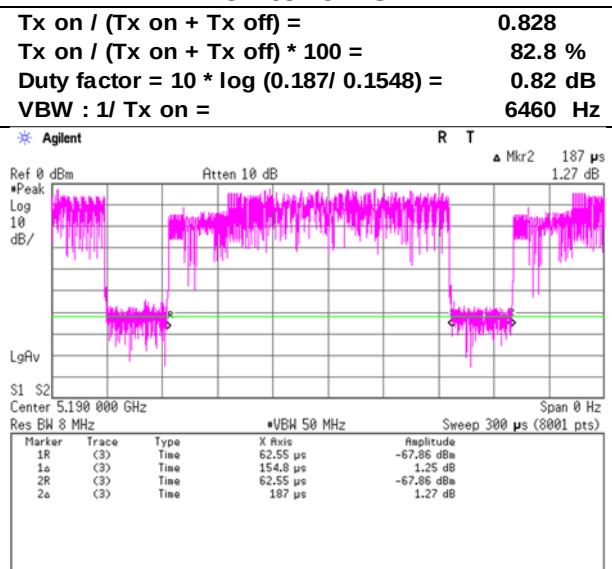
Burst rate confirmation

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023
Temperature / Humidity 24 deg. C / 40 % RH
Engineer Kazuya Noda
Mode Tx

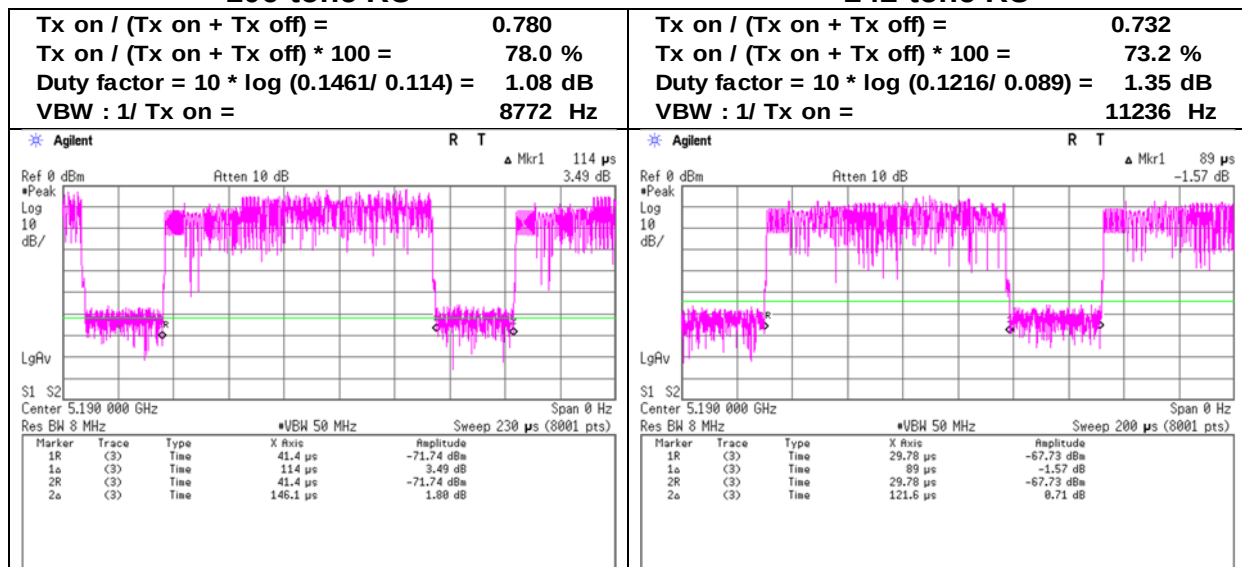
11ax-40 MCS 10 (OFDMA)(SDM) 26-tone RU



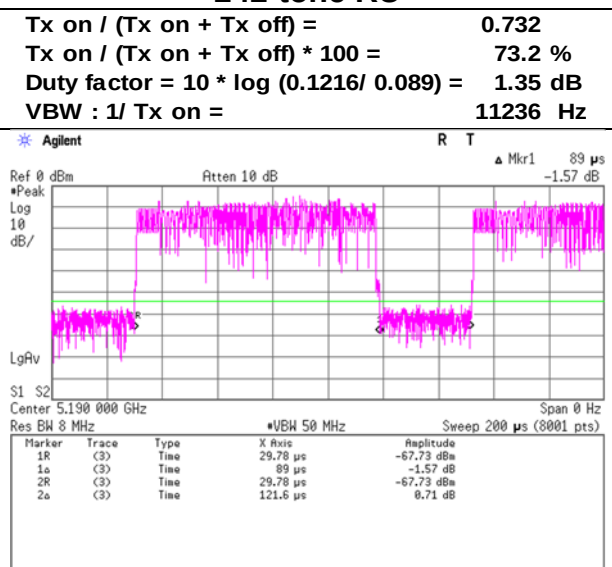
11ax-40 MCS 10 (OFDMA)(SDM) 52-tone RU



11ax-40 MCS 10 (OFDMA)(SDM) 106-tone RU



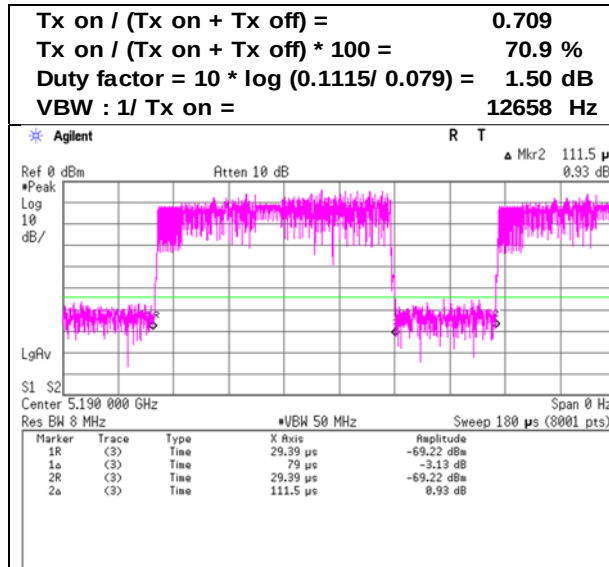
11ax-40 MCS 10 (OFDMA)(SDM) 242-tone RU



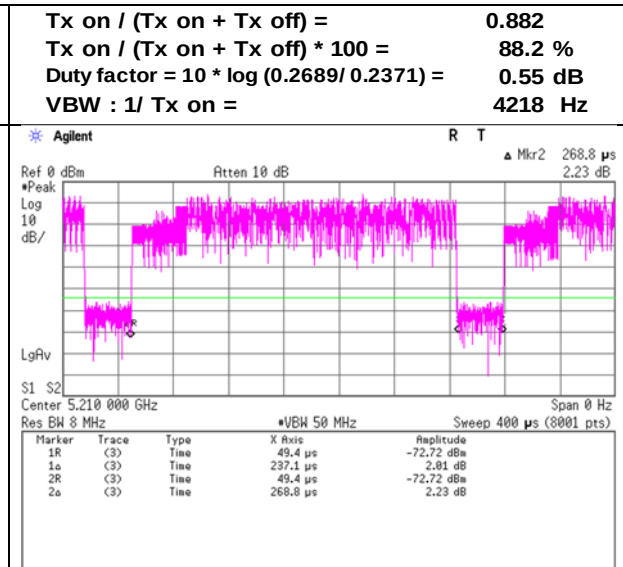
Burst rate confirmation

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023
Temperature / Humidity 24 deg. C / 40 % RH
Engineer Kazuya Noda
Mode Tx

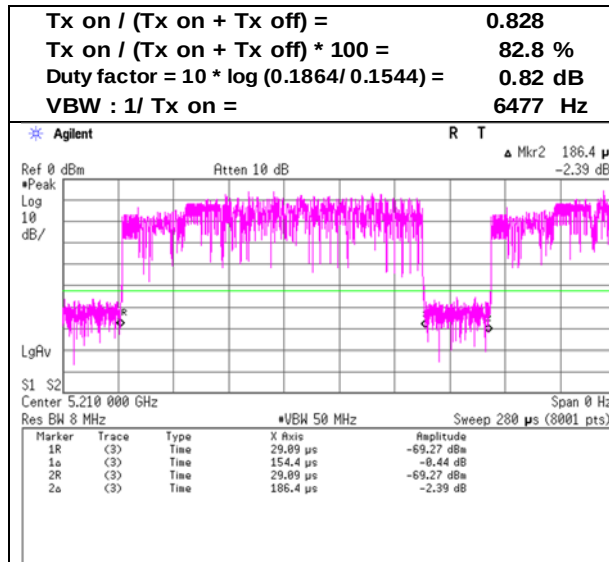
11ax-40 MCS 10 (OFDMA)(SDM) 484-tone RU



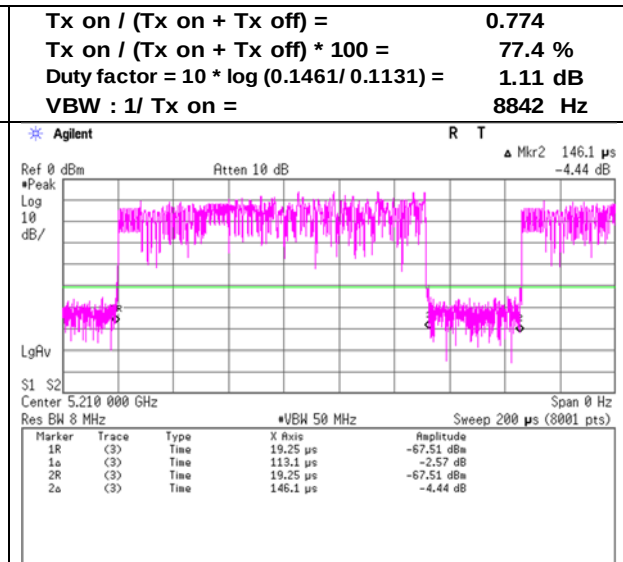
11ax-80 MCS 10 (OFDMA)(SDM) 26-tone RU



11ax-80 MCS 10 (OFDMA)(SDM) 52-tone RU



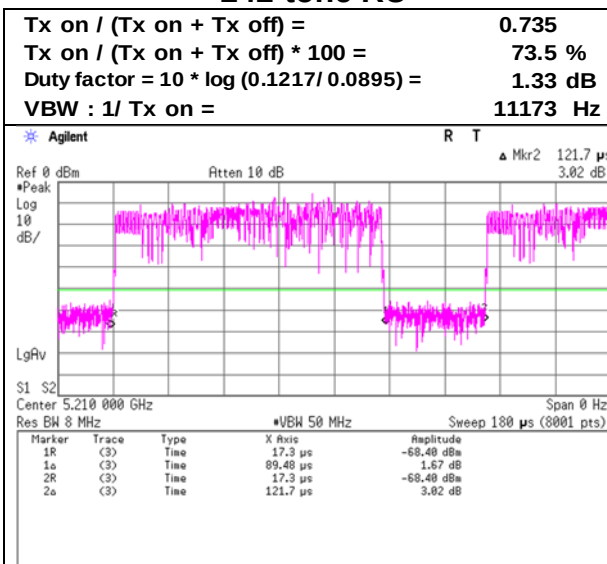
11ax-80 MCS 10 (OFDMA)(SDM) 106-tone RU



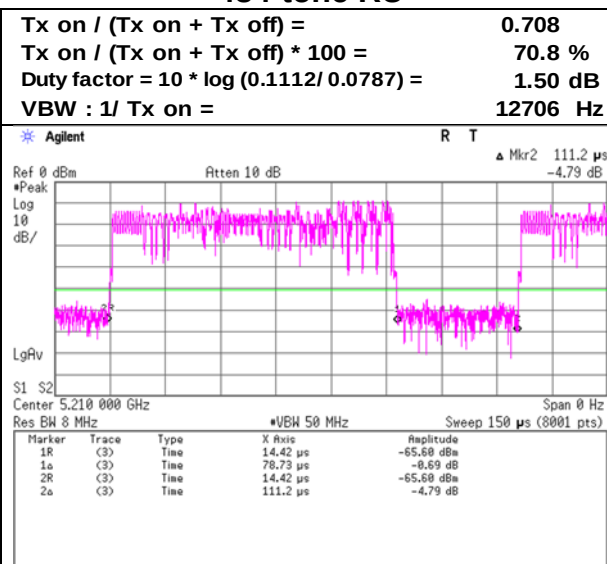
Burst rate confirmation

Test place Shonan EMC Lab. No.1 Measurement Room
Date November 8, 2023
Temperature / Humidity 24 deg. C / 40 % RH
Engineer Kazuya Noda
Mode Tx

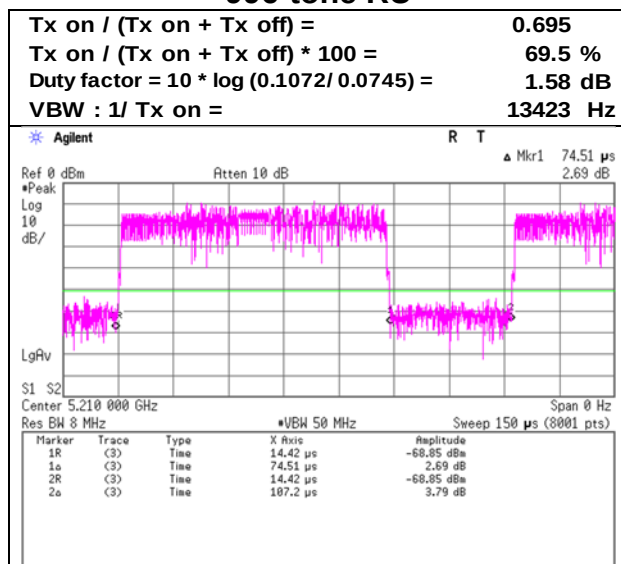
11ax-80 MCS 10 (OFDMA)(SDM) 242-tone RU



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



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



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room
Date February 15, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Kazuya Noda
Mode Tx

11a

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD Reading [dBm /MHz]	Cable Loss [dB]	Atten. Loss [dB]	Duty Factor [dB]	Antenna Gain [dBi]	RBW Correction Factor [dB]	PSD (Conducted)			PSD (e.i.r.p.)		
							Result [dBm /MHz]	Limit [dBm /MHz]	Margin [dB]	Result [dBm /MHz]	Limit [dBm /MHz]	Margin [dB]
5180	-15.10	2.95	10.00	0.19	4.07	0.00	-1.96	11.00	12.96	2.11	17.00	14.89
5220	-15.02	2.95	10.00	0.19	4.07	0.00	-1.88	11.00	12.88	2.19	17.00	14.81
5240	-14.41	2.95	10.00	0.19	4.07	0.00	-1.27	11.00	12.27	2.80	17.00	14.20
5260	-14.96	2.96	10.00	0.19	4.07	0.00	-1.81	11.00	12.81	2.26	17.00	14.74
5300	-15.32	2.96	10.00	0.19	4.07	0.00	-2.17	11.00	13.17	1.90	17.00	15.10
5320	-15.41	2.96	10.00	0.19	4.07	0.00	-2.26	11.00	13.26	1.81	17.00	15.19
5500	-15.26	2.98	10.01	0.19	4.07	0.00	-2.08	11.00	13.08	1.99	17.00	15.01
5580	-15.05	2.98	10.01	0.19	4.07	0.00	-1.87	11.00	12.87	2.20	17.00	14.80
5700	-15.63	2.99	10.01	0.19	4.07	0.00	-2.44	11.00	13.44	1.63	17.00	15.37
5745	-19.65	3.00	10.02	0.19	4.07	0.27	-6.18	30.00	36.18	-2.11	36.00	38.11
5785	-19.50	3.00	10.02	0.19	4.07	0.27	-6.02	30.00	36.02	-1.95	36.00	37.95
5825	-19.61	3.00	10.02	0.19	4.07	0.27	-6.13	30.00	36.13	-2.06	36.00	38.06

Sample Calculation:

PSD: Power Spectral Density

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

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

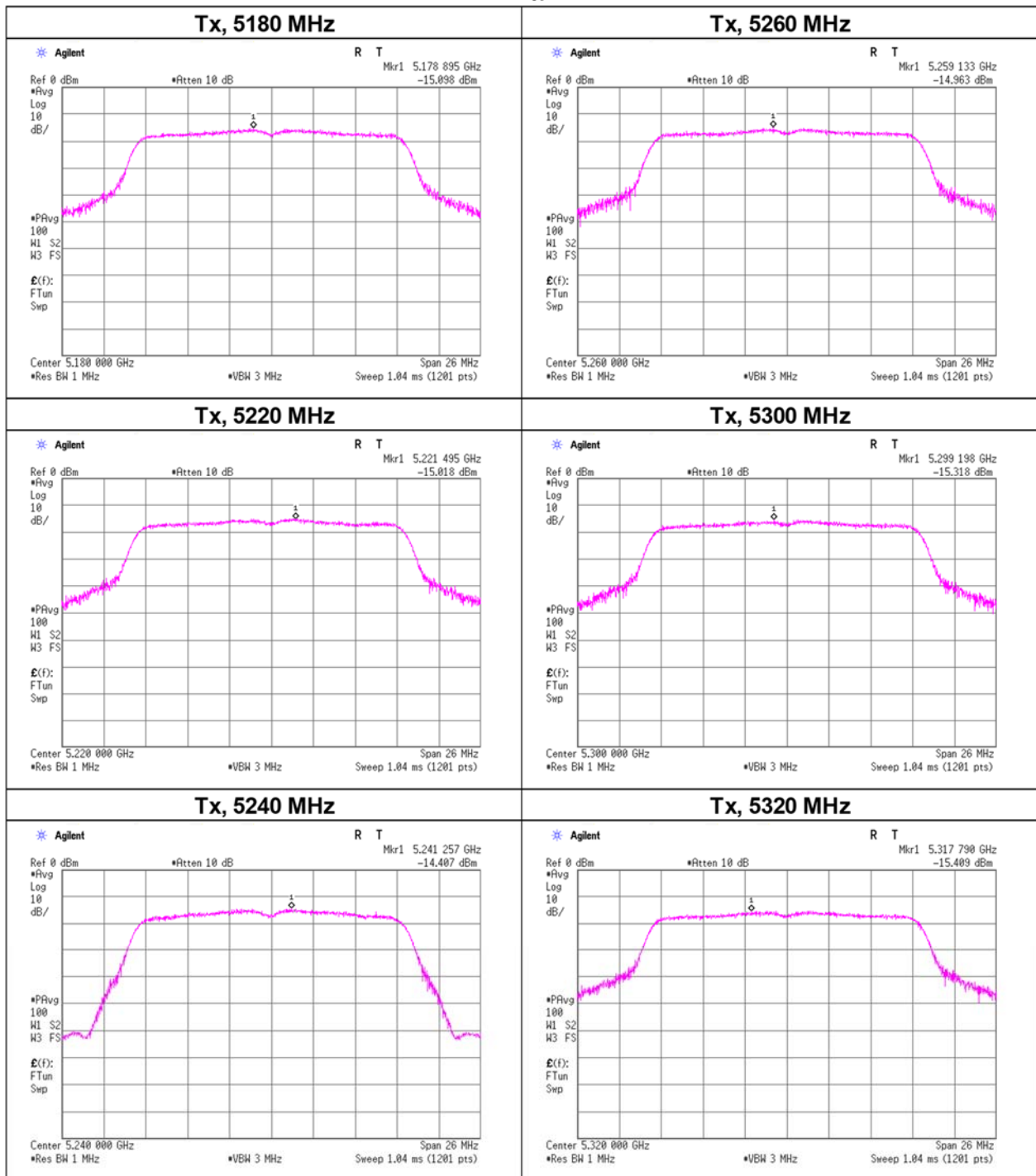
PSD Result (Conducted) = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

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

RBW Correction Factor = $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

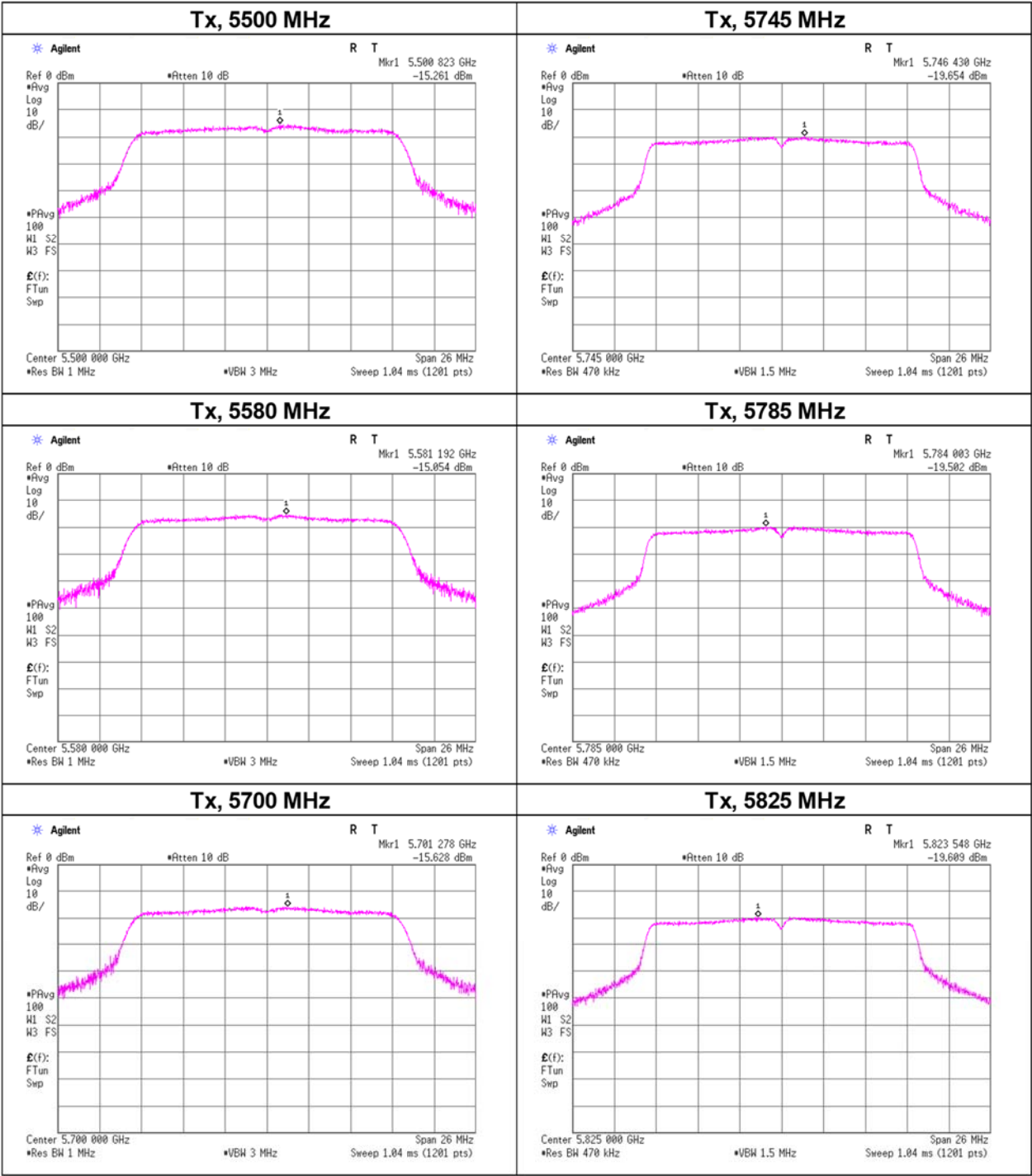
Maximum Power Spectral Density

11a



Maximum Power Spectral Density

11a



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room
Date February 20, 2024
Temperature / Humidity 24 deg. C / 45 % RH
Engineer Kazuya Noda
Mode Tx

Ant 0 + Ant 2 11n-20 (SDM) Applied limit: 15.407, Client

Tested Frequency [MHz]	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	Ant 0 [mW/MHz]	Ant 2 [mW/MHz]	Sum [mW/MHz]				Ant 0 [mW/MHz]	Ant 2 [mW/MHz]	Sum [mW/MHz]			
5180	0.62	0.58	1.20	0.80	11.00	10.20	0.73	1.49	2.21	3.45	17.00	13.55
5220	0.63	0.60	1.24	0.92	11.00	10.08	0.75	1.54	2.28	3.59	17.00	13.41
5240	0.64	0.62	1.26	0.99	11.00	10.01	0.75	1.57	2.33	3.67	17.00	13.33
5260	0.63	0.64	1.27	1.03	11.00	9.97	0.74	1.63	2.37	3.74	17.00	13.26
5300	0.67	0.59	1.25	0.98	11.00	10.02	0.79	1.49	2.28	3.58	17.00	13.42
5320	0.67	0.60	1.28	1.06	11.00	9.94	0.79	1.54	2.33	3.67	17.00	13.33
5500	0.52	0.54	1.06	0.26	11.00	10.74	0.61	1.38	1.99	2.99	17.00	14.01
5580	0.59	0.61	1.19	0.77	11.00	10.23	0.69	1.56	2.24	3.51	17.00	13.49
5700	0.54	0.57	1.11	0.45	11.00	10.55	0.63	1.46	2.09	3.21	17.00	13.79
5745	0.22	0.24	0.46	-3.35	30.00	33.35	0.26	0.61	0.87	-0.60	36.00	36.60
5785	0.21	0.23	0.45	-3.51	30.00	33.51	0.25	0.59	0.84	-0.75	36.00	36.75
5825	0.21	0.26	0.47	-3.29	30.00	33.29	0.25	0.66	0.91	-0.42	36.00	36.42

			Ant 0						Ant 2					
Tested Frequency	Duty Factor	RBW Conversion Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.20	-	-15.25	2.95	10.01	0.70	-2.09	-1.39	-15.49	2.95	10.00	4.07	-2.34	1.73
5220	0.20	-	-15.13	2.95	10.01	0.70	-1.97	-1.27	-15.35	2.95	10.00	4.07	-2.20	1.87
5240	0.20	-	-15.10	2.95	10.01	0.70	-1.94	-1.24	-15.25	2.95	10.00	4.07	-2.10	1.97
5260	0.20	-	-15.17	2.95	10.01	0.70	-2.00	-1.30	-15.12	2.96	10.00	4.07	-1.96	2.11
5300	0.20	-	-14.92	2.96	10.01	0.70	-1.75	-1.05	-15.49	2.96	10.00	4.07	-2.33	1.74
5320	0.20	-	-14.90	2.96	10.01	0.70	-1.73	-1.03	-15.36	2.96	10.00	4.07	-2.20	1.87
5500	0.20	-	-16.02	2.98	10.01	0.70	-2.83	-2.13	-15.86	2.98	10.01	4.07	-2.67	1.40
5580	0.20	-	-15.52	2.98	10.01	0.70	-2.33	-1.63	-15.34	2.98	10.01	4.07	-2.15	1.92
5700	0.20	-	-15.90	2.99	10.01	0.70	-2.70	-2.00	-15.62	2.99	10.01	4.07	-2.42	1.65
5745	0.20	0.27	-19.97	3.00	10.01	0.70	-6.49	-5.79	-19.72	3.00	10.02	4.07	-6.23	-2.16
5785	0.20	0.27	-20.16	3.00	10.01	0.70	-6.69	-5.99	-19.85	3.00	10.02	4.07	-6.36	-2.29
5825	0.20	0.27	-20.25	3.00	10.01	0.70	-6.77	-6.07	-19.36	3.00	10.02	4.07	-5.87	-1.80

Sample Calculation:

PSD: Power Spectral Density

PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

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

RBW Conversion Factor = $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

Maximum Power Spectral Density

11n-20

