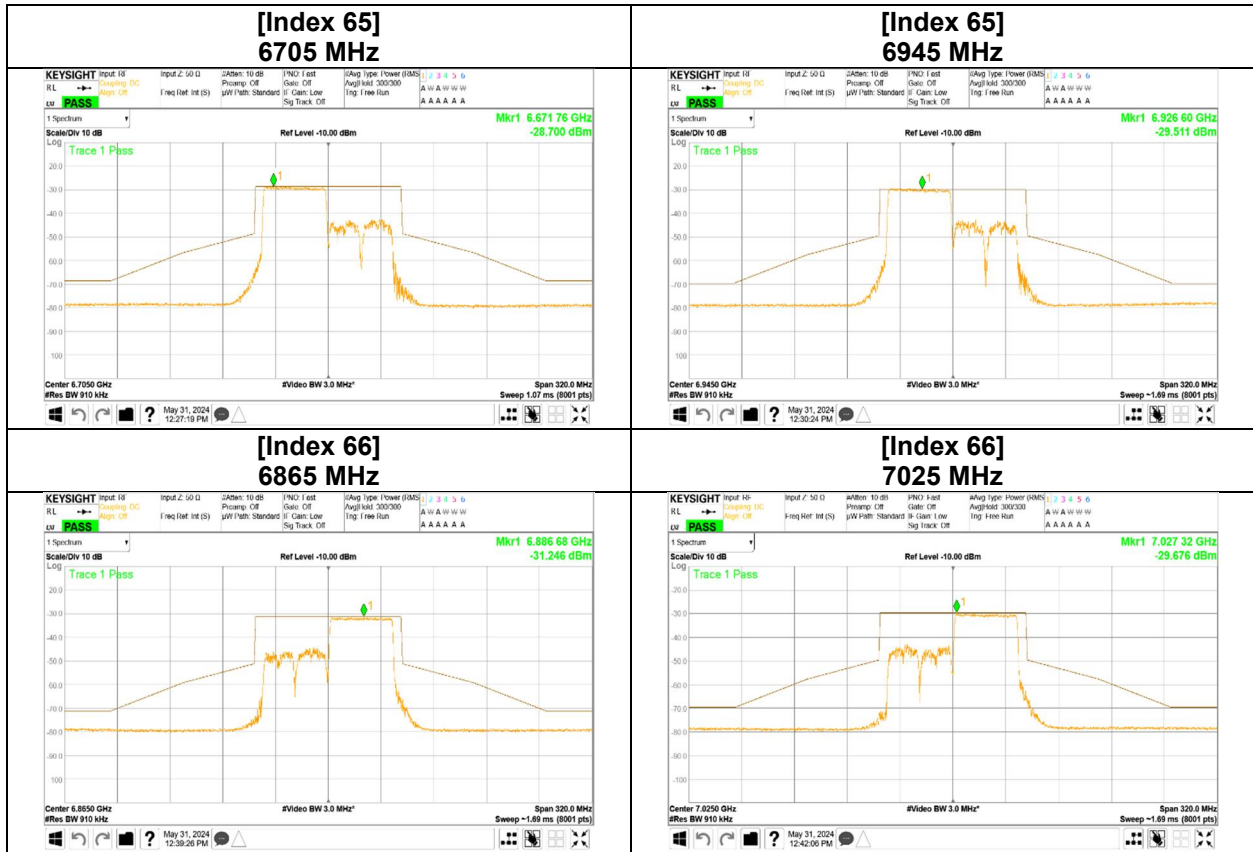


In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

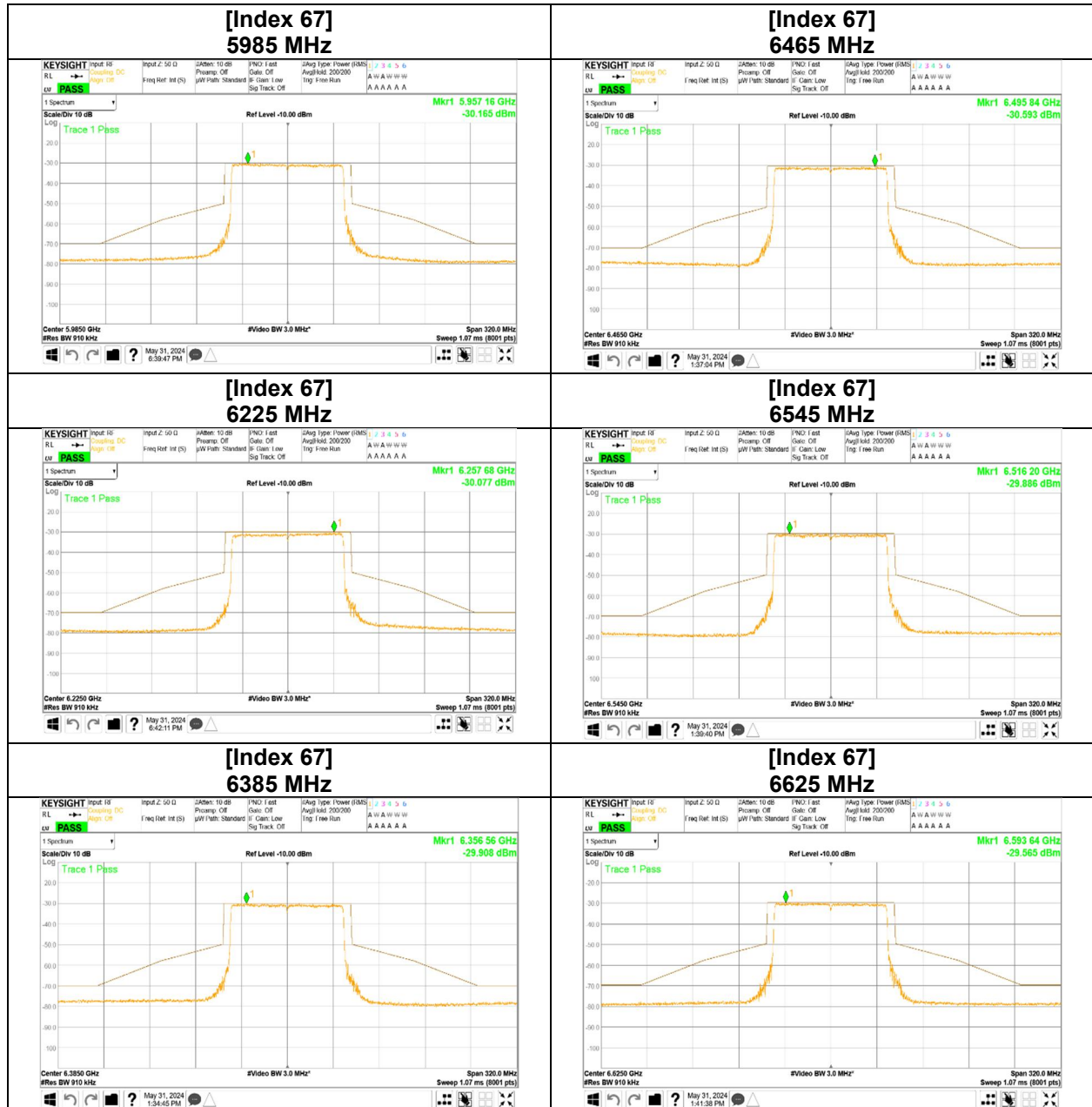
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-80 [484-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

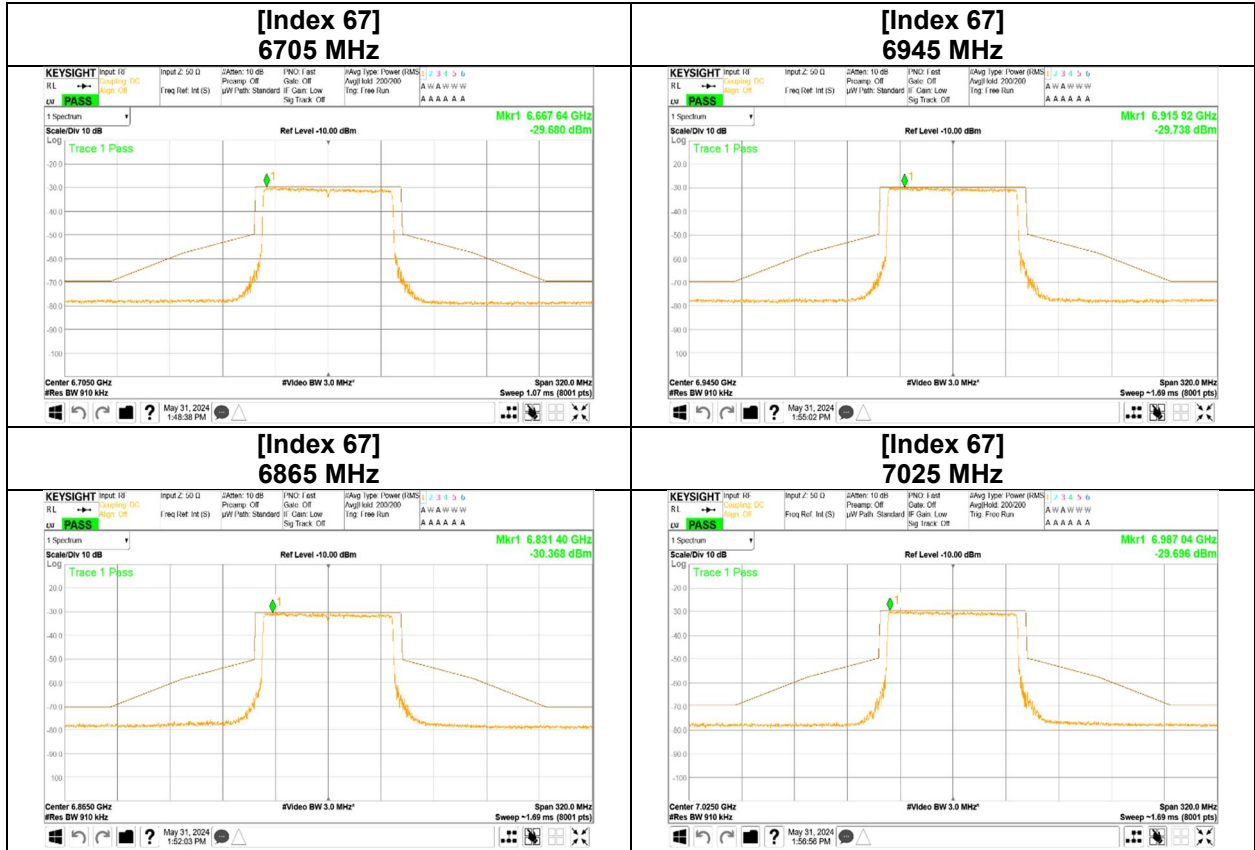
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-80 [996-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

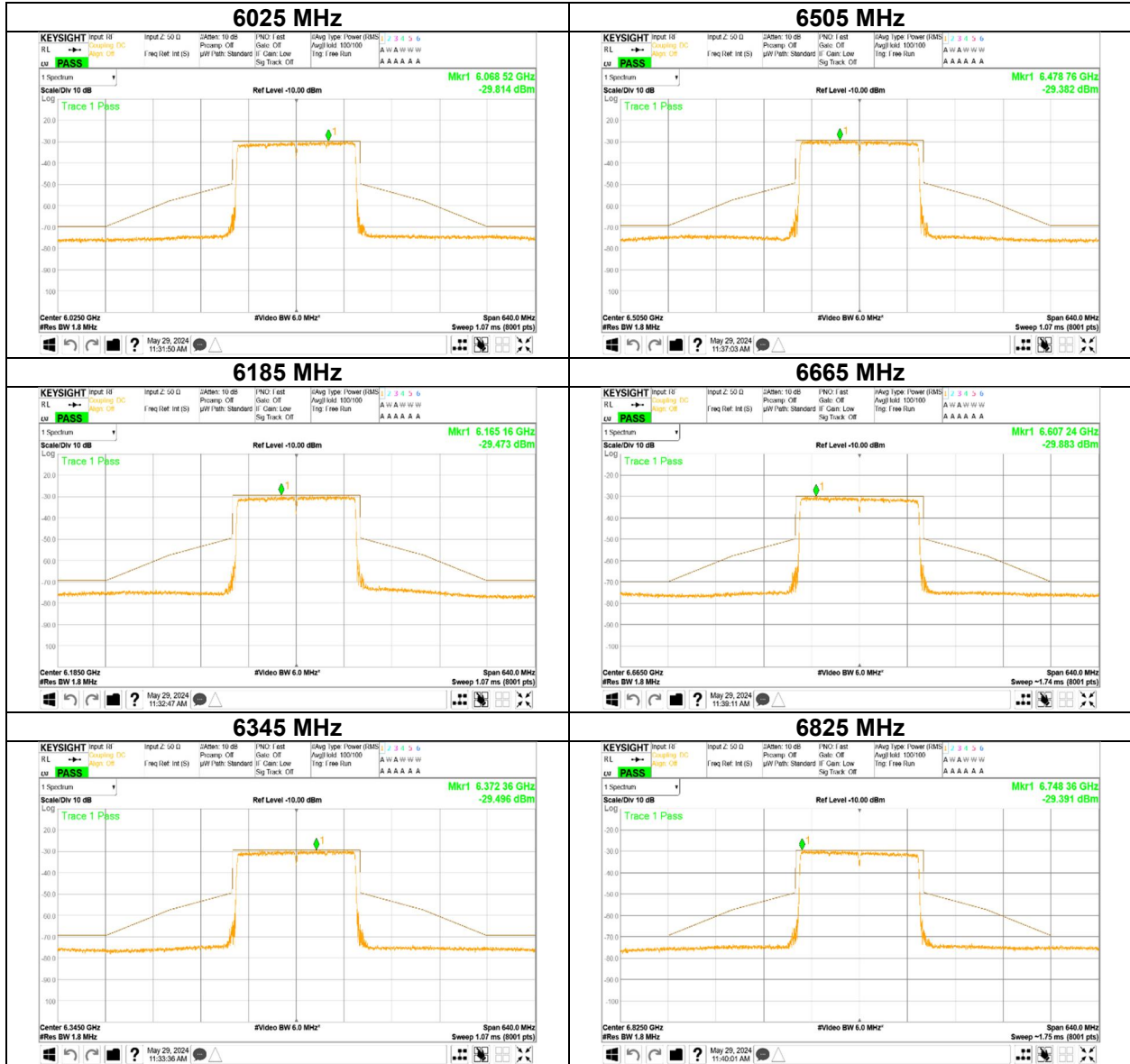
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-80 [996-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

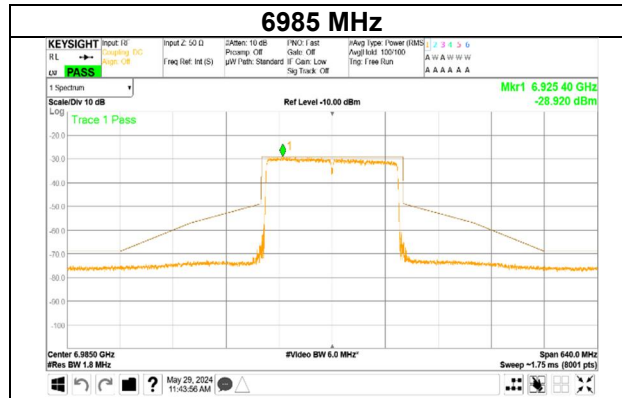
Shonan EMC Lab. No.8 Shielded Room
May 29, 2024
23 deg. C / 49 % RH
Makoto Hosaka
Tx 11ax-160 [OFDM]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

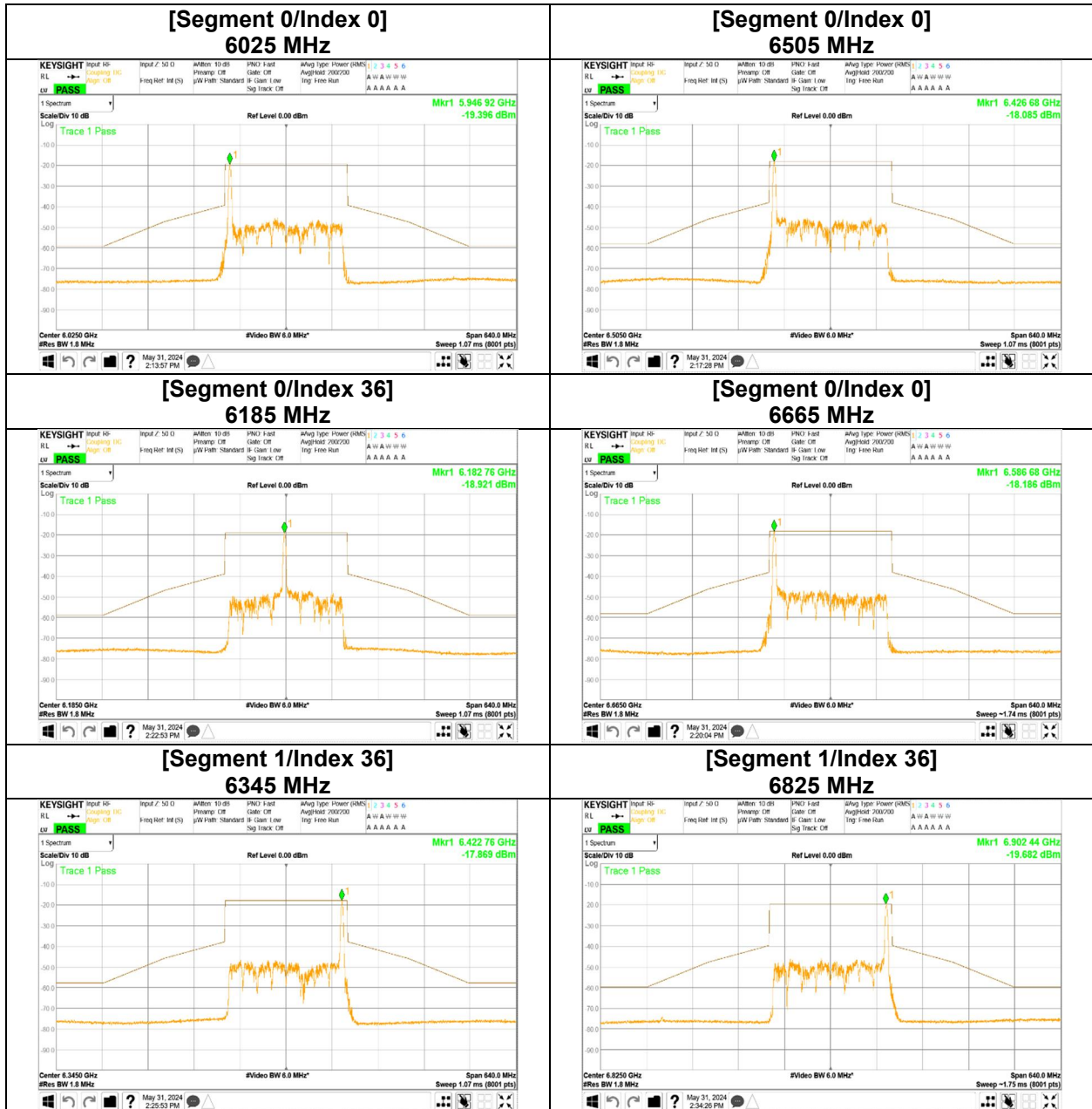
Shonan EMC Lab. No.8 Shielded Room
May 29, 2024
23 deg. C / 49 % RH
Makoto Hosaka
Tx 11ax-160 [OFDM]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [26-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

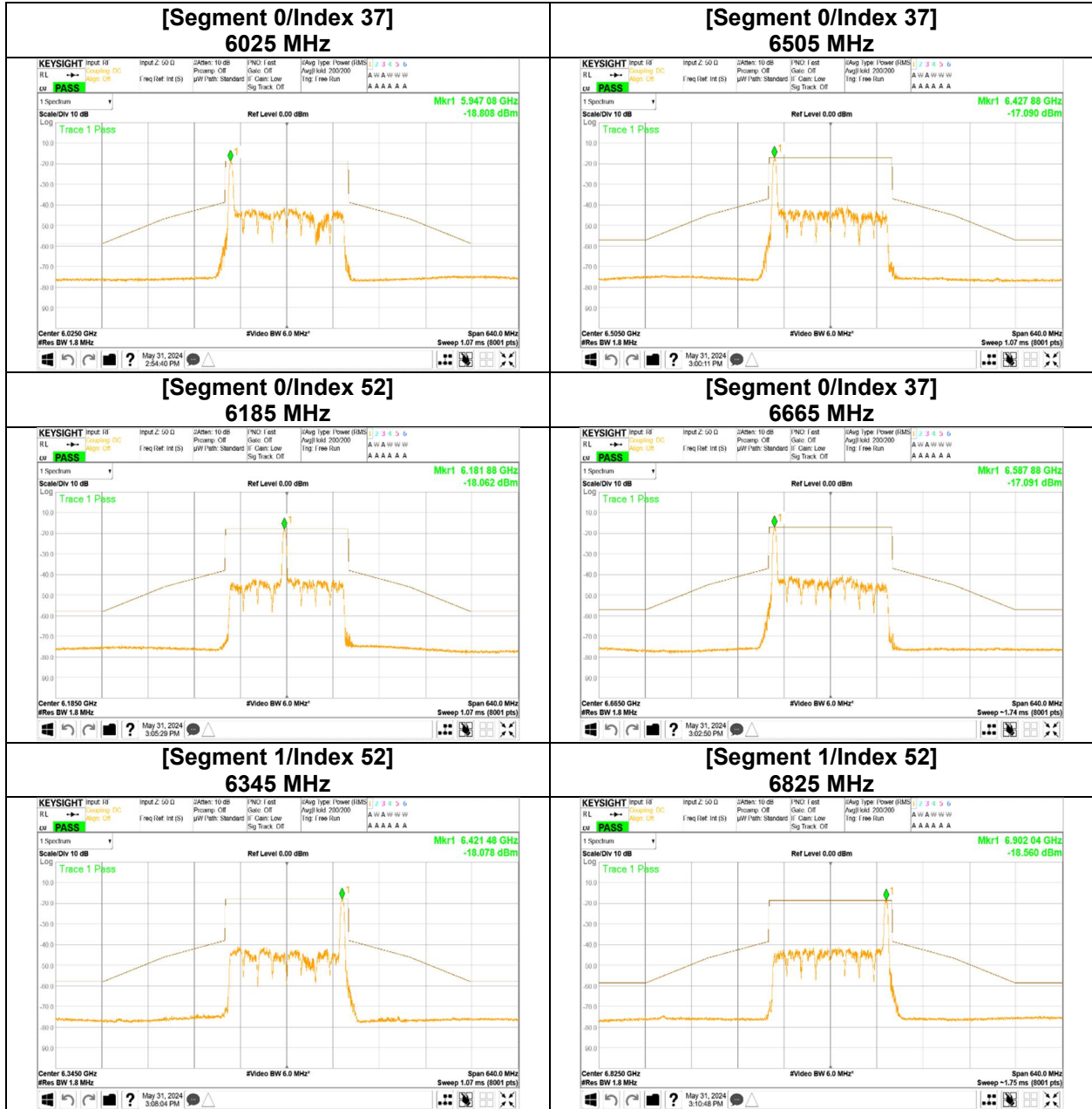
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [26-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

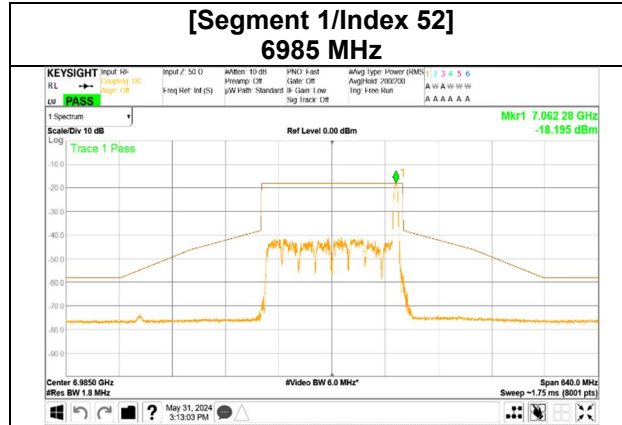
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [52-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

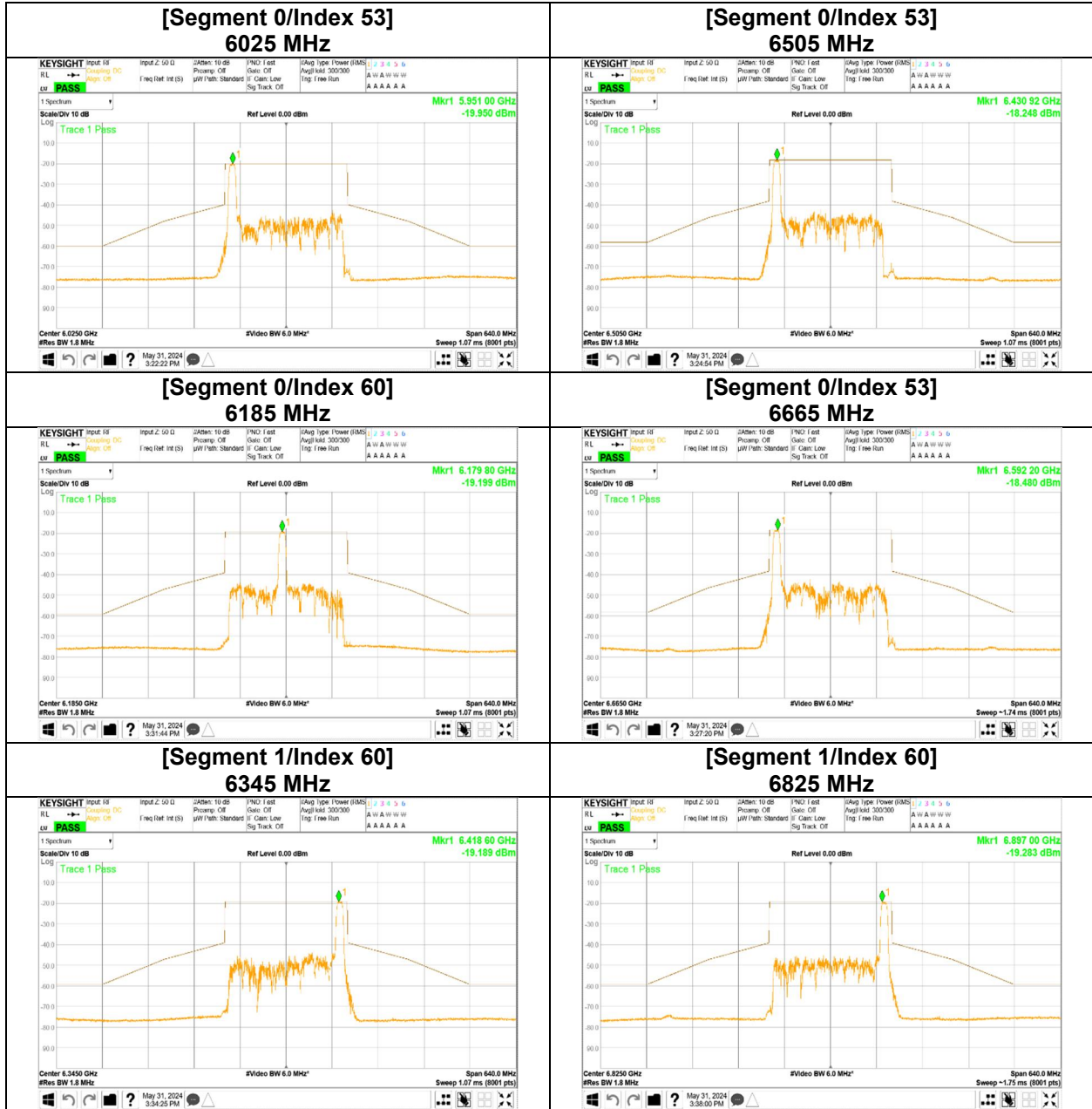
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [52-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

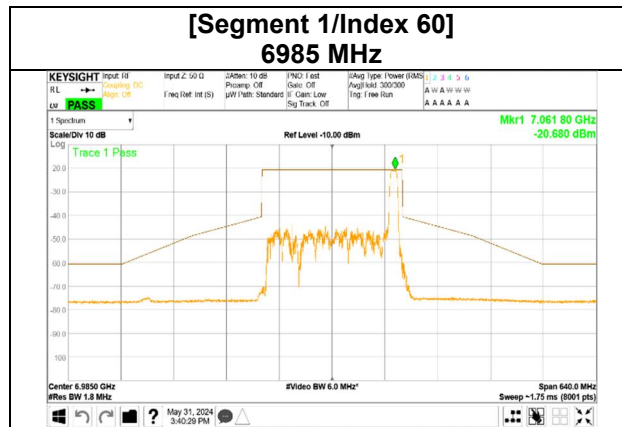
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [106-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

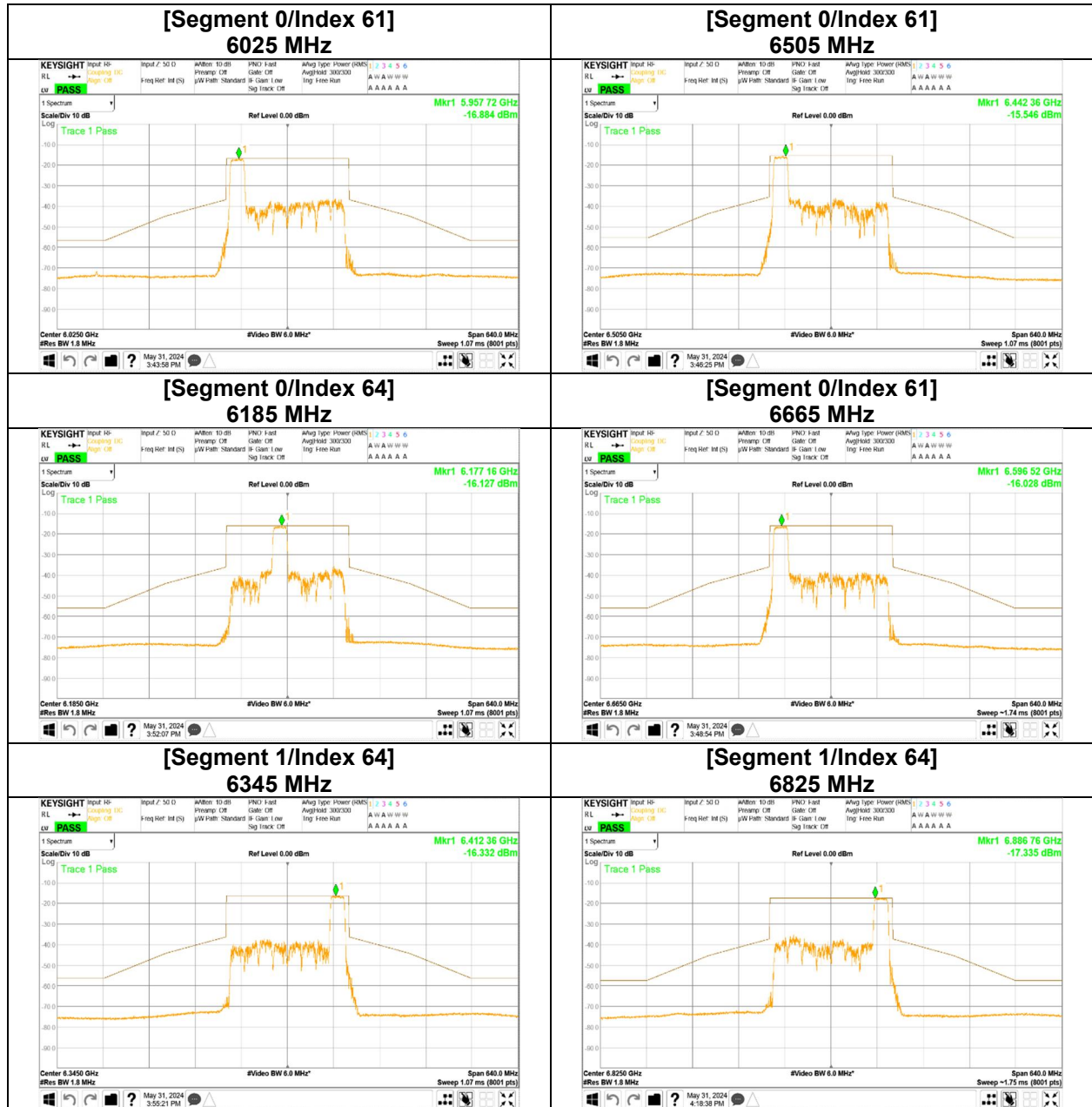
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [106-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

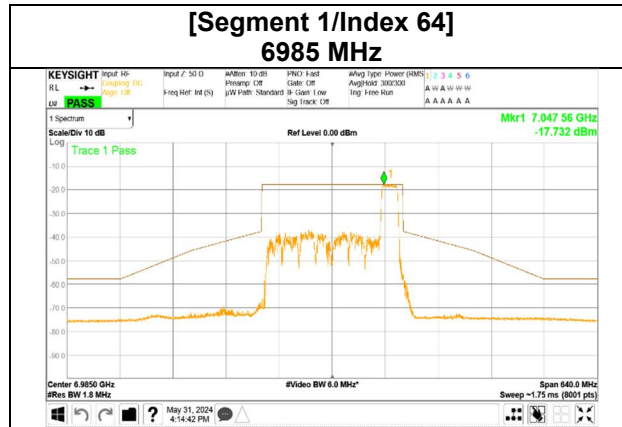
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [242-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

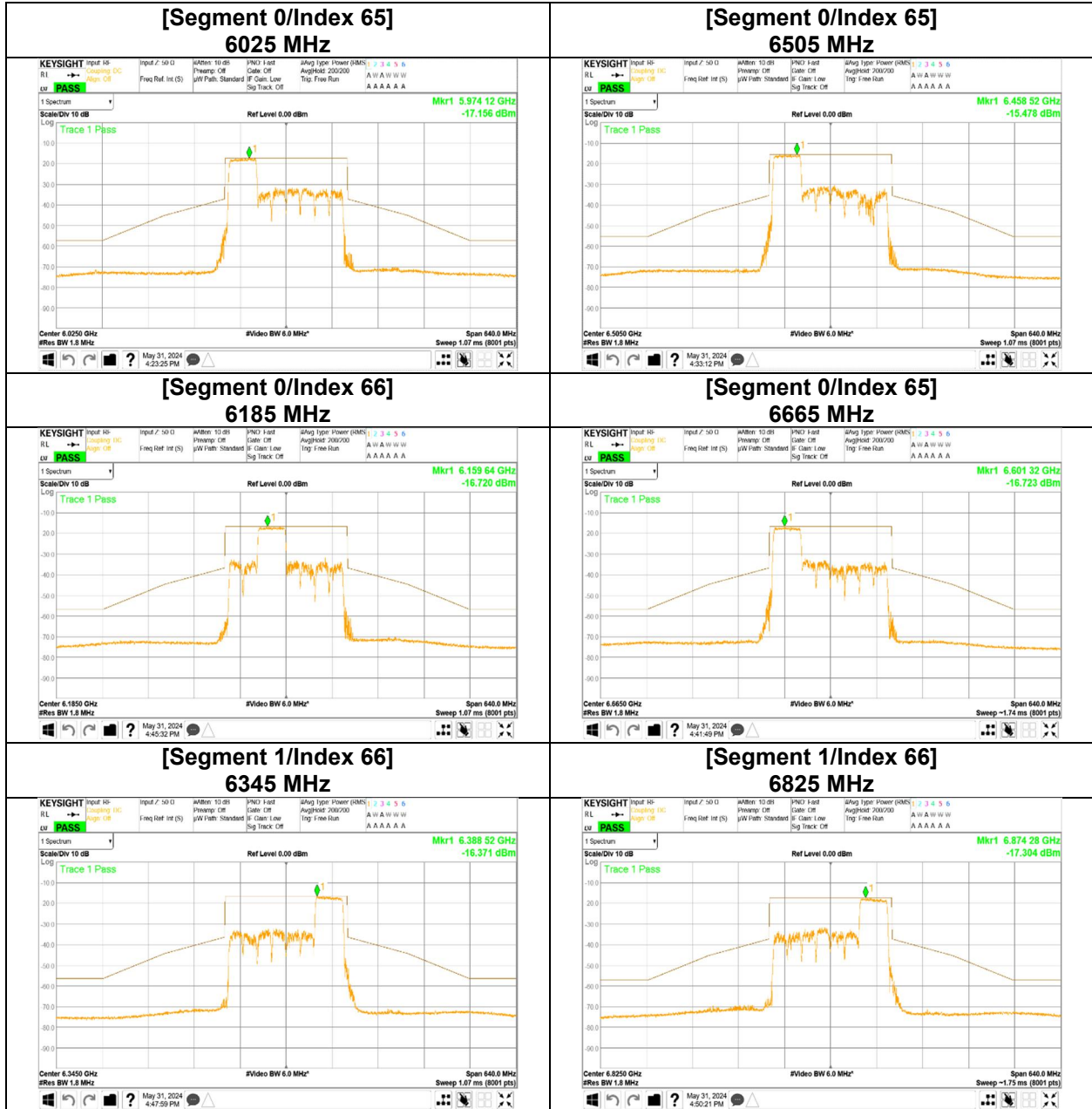
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [242-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

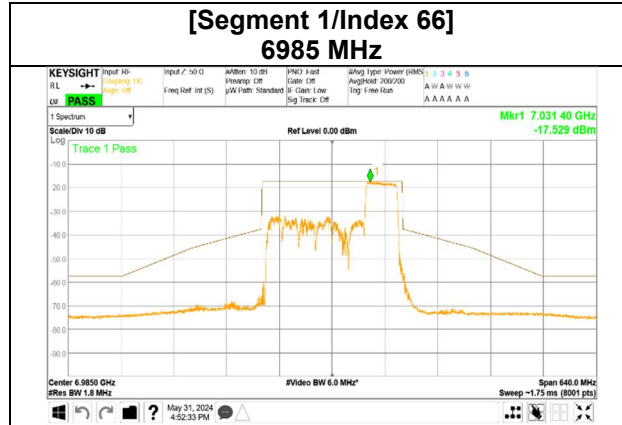
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [484-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

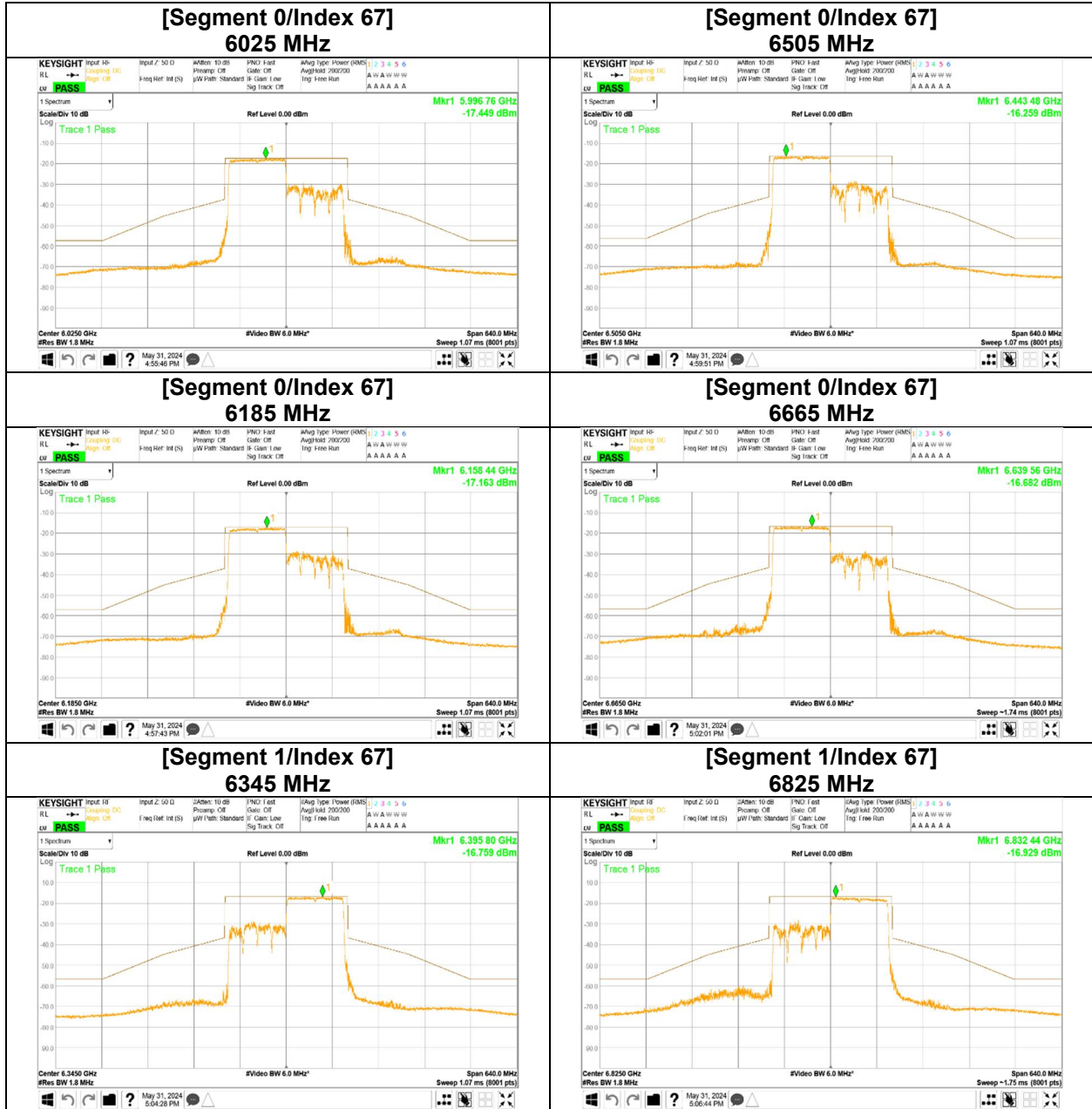
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [484-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

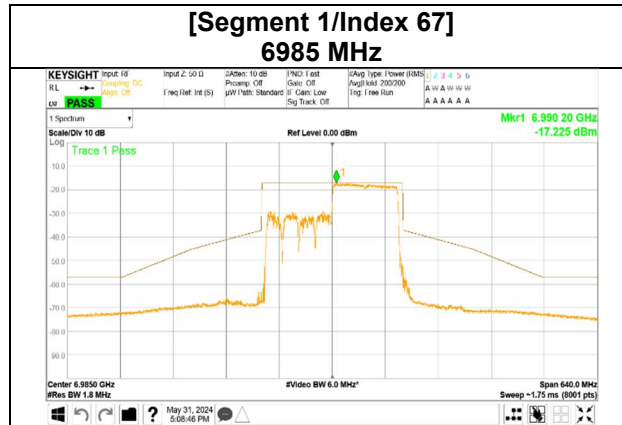
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [996-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

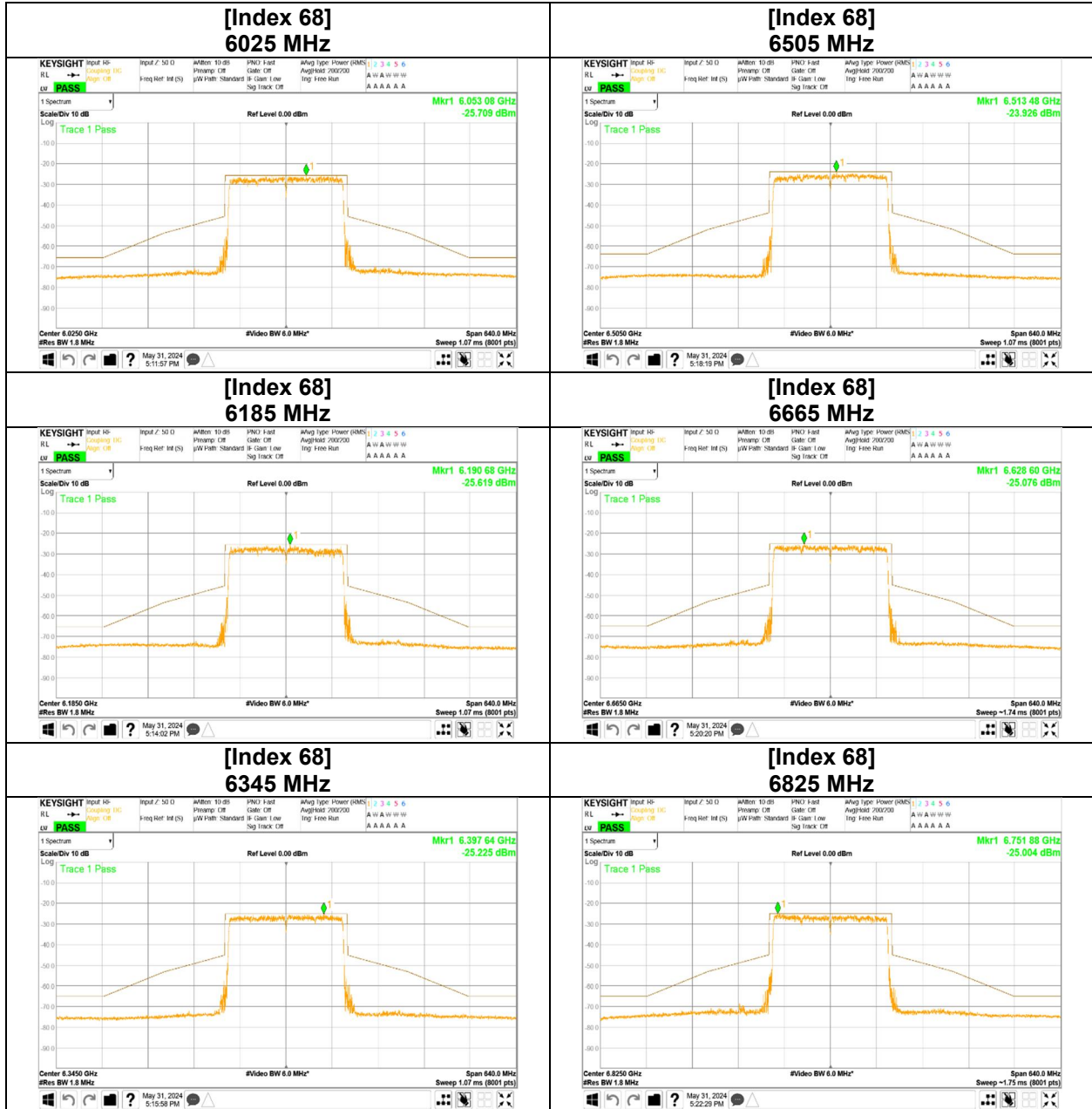
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [996-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

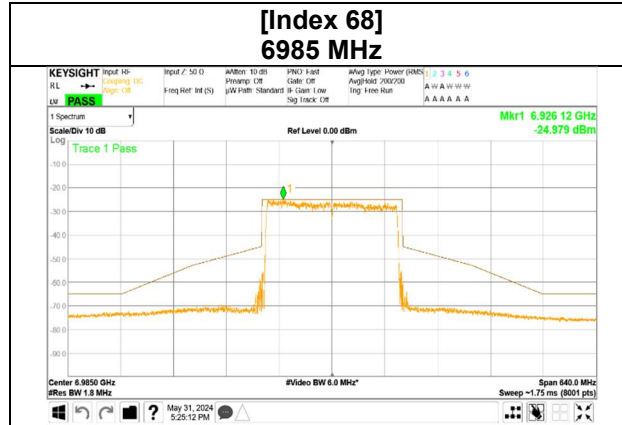
Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [2x996-tone RU]



In-Band Emissions

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.8 Shielded Room
May 31, 2024
24 deg. C / 52 % RH
Takayuki Kobayashi
Tx 11ax-160 [2x996-tone RU]



Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 7, 2024
Temperature / Humidity 23 deg. C / 32 % RH
Engineer Kenichi Adachi
Mode Tx 11a

[High Power mode / Standard Power mode]

11a (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5955	3.07	3.32	6.39	8.05	-	-	2.36	2.55	4.91	6.91	24.00	17.09
6195	2.94	3.01	5.95	7.75	-	-	2.26	2.32	4.58	6.61	24.00	17.39
6415	3.06	3.19	6.24	7.95	-	-	2.35	2.45	4.80	6.81	24.00	17.19
6435	2.60	2.04	4.64	6.67	-	-	2.00	1.57	3.57	5.53	24.00	18.47
6475	2.68	2.05	4.73	6.74	-	-	2.06	1.58	3.63	5.60	24.00	18.40
6515	2.53	1.86	4.39	6.42	-	-	1.94	1.43	3.38	5.28	24.00	18.72
6535	2.59	1.87	4.45	6.49	-	-	1.99	1.43	3.42	5.35	24.00	18.65
6695	2.54	1.80	4.34	6.38	-	-	1.96	1.38	3.34	5.24	24.00	18.76
6855	2.19	1.38	3.56	5.52	-	-	1.68	1.06	2.74	4.38	24.00	19.62
6875	2.09	1.32	3.42	5.33	-	-	1.61	1.02	2.63	4.19	24.00	19.81
6895	3.35	2.63	5.98	7.76	-	-	2.57	2.02	4.60	6.62	24.00	17.38
6995	3.09	2.40	5.49	7.39	-	-	2.38	1.84	4.22	6.25	24.00	17.75
7095	2.78	2.11	4.89	6.89	-	-	2.14	1.62	3.76	5.75	24.00	18.25

		5G_CH0							5G_CH1					
Tested Frequency	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]	
5955	0.00	-17.29	2.00	20.16	-1.14	4.87	3.73	-16.95	2.00	20.16	-1.14	5.21	4.07	
6195	0.00	-17.48	2.00	20.16	-1.14	4.69	3.55	-17.38	2.00	20.16	-1.14	4.79	3.65	
6415	0.00	-17.32	2.01	20.16	-1.14	4.85	3.71	-17.14	2.01	20.16	-1.14	5.03	3.89	
6435	0.00	-18.04	2.03	20.16	-1.14	4.15	3.01	-19.10	2.03	20.16	-1.14	3.09	1.95	
6475	0.00	-17.95	2.06	20.16	-1.14	4.28	3.14	-19.11	2.06	20.16	-1.14	3.12	1.98	
6515	0.00	-18.20	2.07	20.16	-1.14	4.03	2.89	-19.53	2.07	20.16	-1.14	2.70	1.56	
6535	0.00	-18.13	2.10	20.16	-1.14	4.13	2.99	-19.55	2.10	20.16	-1.14	2.71	1.57	
6695	0.00	-18.21	2.10	20.16	-1.14	4.05	2.91	-19.71	2.10	20.16	-1.14	2.55	1.41	
6855	0.00	-18.87	2.11	20.16	-1.14	3.40	2.26	-20.87	2.11	20.16	-1.14	1.40	0.26	
6875	0.00	-19.06	2.11	20.16	-1.14	3.21	2.07	-21.05	2.11	20.16	-1.14	1.22	0.08	
6895	0.00	-17.05	2.14	20.16	-1.14	5.25	4.11	-18.10	2.14	20.16	-1.14	4.20	3.06	
6995	0.00	-17.40	2.14	20.16	-1.14	4.90	3.76	-18.50	2.14	20.16	-1.14	3.80	2.66	
7095	0.00	-17.85	2.14	20.16	-1.14	4.44	3.30	-19.06	2.14	20.16	-1.14	3.23	2.09	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 7, 2024
Temperature / Humidity 23 deg. C / 32 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-20 (OFDM) (CDD)

[High Power mode / Standard Power mode]

11ax-20 (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5955	3.04	3.37	6.41	8.07	-	-	2.34	2.59	4.93	6.93	24.00	17.07
6195	2.91	2.97	5.88	7.69	-	-	2.24	2.28	4.52	6.55	24.00	17.45
6415	3.06	3.28	6.34	8.02	-	-	2.36	2.52	4.88	6.88	24.00	17.12
6435	2.51	2.03	4.54	6.57	-	-	1.93	1.56	3.49	5.43	24.00	18.57
6475	2.59	2.05	4.64	6.66	-	-	1.99	1.58	3.57	5.52	24.00	18.48
6515	2.44	1.89	4.32	6.36	-	-	1.87	1.45	3.32	5.22	24.00	18.78
6535	2.51	1.84	4.35	6.38	-	-	1.93	1.41	3.34	5.24	24.00	18.76
6695	2.55	1.80	4.34	6.38	-	-	1.96	1.38	3.34	5.24	24.00	18.76
6855	2.22	1.37	3.59	5.55	-	-	1.71	1.05	2.76	4.41	24.00	19.59
6875	2.10	1.31	3.40	5.32	-	-	1.61	1.00	2.62	4.18	24.00	19.82
6895	3.32	2.71	6.03	7.80	-	-	2.55	2.09	4.64	6.66	24.00	17.34
6995	3.15	2.38	5.53	7.43	-	-	2.42	1.83	4.25	6.29	24.00	17.71
7095	2.81	2.16	4.98	6.97	-	-	2.16	1.67	3.83	5.83	24.00	18.17

		5G_CH0						5G_CH1					
Tested Frequency	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
5955	0.00	-17.33	2.00	20.16	-1.14	4.83	3.69	-16.88	2.00	20.16	-1.14	5.28	4.14
6195	0.00	-17.53	2.00	20.16	-1.14	4.64	3.50	-17.44	2.00	20.16	-1.14	4.73	3.59
6415	0.00	-17.31	2.01	20.16	-1.14	4.86	3.72	-17.02	2.01	20.16	-1.14	5.15	4.01
6435	0.00	-18.20	2.03	20.16	-1.14	3.99	2.85	-19.12	2.03	20.16	-1.14	3.07	1.93
6475	0.00	-18.10	2.06	20.16	-1.14	4.13	2.99	-19.10	2.06	20.16	-1.14	3.13	1.99
6515	0.00	-18.36	2.07	20.16	-1.14	3.87	2.73	-19.47	2.07	20.16	-1.14	2.76	1.62
6535	0.00	-18.26	2.10	20.16	-1.14	4.00	2.86	-19.62	2.10	20.16	-1.14	2.64	1.50
6695	0.00	-18.20	2.10	20.16	-1.14	4.06	2.92	-19.72	2.10	20.16	-1.14	2.54	1.40
6855	0.00	-18.80	2.11	20.16	-1.14	3.47	2.33	-20.91	2.11	20.16	-1.14	1.36	0.22
6875	0.00	-19.05	2.11	20.16	-1.14	3.22	2.08	-21.11	2.11	20.16	-1.14	1.16	0.02
6895	0.00	-17.09	2.14	20.16	-1.14	5.21	4.07	-17.96	2.14	20.16	-1.14	4.34	3.20
6995	0.00	-17.32	2.14	20.16	-1.14	4.98	3.84	-18.53	2.14	20.16	-1.14	3.77	2.63
7095	0.00	-17.80	2.14	20.16	-1.14	4.49	3.35	-18.94	2.14	20.16	-1.14	3.35	2.21

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 7, 2024
Temperature / Humidity 23 deg. C / 32 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-20 (OFDM) (SDM)

[High Power mode / Standard Power mode]

11ax-20 (SDM)

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5955	3.05	3.46	6.51	8.13	-	-	2.23	2.66	4.89	6.89	24.00	17.11
6195	2.98	2.96	5.94	7.74	-	-	2.18	2.28	4.45	6.49	24.00	17.51
6415	3.09	3.31	6.39	8.06	-	-	2.26	2.54	4.80	6.81	24.00	17.19
6435	2.53	1.99	4.52	6.55	-	-	1.85	1.53	3.38	5.29	24.00	18.71
6475	2.69	2.05	4.74	6.76	-	-	1.97	1.58	3.54	5.49	24.00	18.51
6515	2.49	1.84	4.34	6.37	-	-	1.82	1.42	3.24	5.11	24.00	18.89
6535	2.53	1.78	4.31	6.34	-	-	1.85	1.37	3.22	5.08	24.00	18.92
6695	2.54	1.81	4.35	6.39	-	-	1.86	1.39	3.25	5.12	24.00	18.88
6855	2.22	1.35	3.57	5.53	-	-	1.62	1.04	2.66	4.25	24.00	19.75
6875	2.08	1.28	3.37	5.27	-	-	1.52	0.99	2.51	4.00	24.00	20.00
6895	3.35	2.55	5.89	7.70	-	-	2.45	1.96	4.40	6.44	24.00	17.56
6995	3.13	2.37	5.49	7.40	-	-	2.29	1.82	4.10	6.13	24.00	17.87
7095	2.81	2.11	4.92	6.92	-	-	2.05	1.62	3.68	5.65	24.00	18.35

5G_CH0								5G_CH1					
Tested Frequency	Duty Factor *1)	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]
5955	0.00	-17.32	2.00	20.16	-1.36	4.84	3.48	-16.77	2.00	20.16	-1.14	5.39	4.25
6195	0.00	-17.43	2.00	20.16	-1.36	4.74	3.38	-17.45	2.00	20.16	-1.14	4.72	3.58
6415	0.00	-17.28	2.01	20.16	-1.36	4.89	3.53	-16.98	2.01	20.16	-1.14	5.19	4.05
6435	0.00	-18.16	2.03	20.16	-1.36	4.03	2.67	-19.21	2.03	20.16	-1.14	2.98	1.84
6475	0.00	-17.93	2.06	20.16	-1.36	4.30	2.94	-19.11	2.06	20.16	-1.14	3.12	1.98
6515	0.00	-18.26	2.07	20.16	-1.36	3.97	2.61	-19.57	2.07	20.16	-1.14	2.66	1.52
6535	0.00	-18.23	2.10	20.16	-1.36	4.03	2.67	-19.75	2.10	20.16	-1.14	2.51	1.37
6695	0.00	-18.21	2.10	20.16	-1.36	4.05	2.69	-19.68	2.10	20.16	-1.14	2.58	1.44
6855	0.00	-18.80	2.11	20.16	-1.36	3.47	2.11	-20.97	2.11	20.16	-1.14	1.30	0.16
6875	0.00	-19.08	2.11	20.16	-1.36	3.19	1.83	-21.18	2.11	20.16	-1.14	1.09	-0.05
6895	0.00	-17.05	2.14	20.16	-1.36	5.25	3.89	-18.24	2.14	20.16	-1.14	4.06	2.92
6995	0.00	-17.35	2.14	20.16	-1.36	4.95	3.59	-18.56	2.14	20.16	-1.14	3.74	2.60
7095	0.00	-17.81	2.14	20.16	-1.36	4.48	3.12	-19.05	2.14	20.16	-1.14	3.24	2.10

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 18, 2024
Temperature / Humidity 25 deg. C / 35 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 26-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(CDD) 26-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested	RU	Conducted power						e.i.r.p.					
Frequency	Index	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
[MHz]		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5955	0	0.35	0.29	0.64	-1.96	-	-	0.27	0.22	0.49	-3.10	24.00	27.10
	4	0.37	0.27	0.64	-1.94	-	-	0.29	0.21	0.49	-3.08	24.00	27.08
	8	0.35	0.29	0.65	-1.88	-	-	0.27	0.23	0.50	-3.02	24.00	27.02
6195	0	0.33	0.28	0.61	-2.12	-	-	0.26	0.22	0.47	-3.26	24.00	27.26
	4	0.30	0.26	0.56	-2.54	-	-	0.23	0.20	0.43	-3.68	24.00	27.68
	8	0.35	0.29	0.64	-1.96	-	-	0.27	0.22	0.49	-3.10	24.00	27.10
6415	0	0.26	0.20	0.46	-3.36	-	-	0.20	0.15	0.35	-4.50	24.00	28.50
	4	0.24	0.18	0.42	-3.80	-	-	0.18	0.14	0.32	-4.94	24.00	28.94
	8	0.26	0.20	0.46	-3.34	-	-	0.20	0.15	0.36	-4.48	24.00	28.48
6435	0	0.38	0.28	0.66	-1.83	-	-	0.29	0.21	0.51	-2.97	24.00	26.97
	4	0.34	0.24	0.58	-2.35	-	-	0.26	0.19	0.45	-3.49	24.00	27.49
	8	0.36	0.27	0.64	-1.95	-	-	0.28	0.21	0.49	-3.09	24.00	27.09
6475	0	0.37	0.28	0.65	-1.89	-	-	0.28	0.21	0.50	-3.03	24.00	27.03
	4	0.33	0.25	0.59	-2.32	-	-	0.26	0.19	0.45	-3.46	24.00	27.46
	8	0.37	0.28	0.64	-1.91	-	-	0.28	0.21	0.50	-3.05	24.00	27.05
6515	0	0.35	0.25	0.60	-2.19	-	-	0.27	0.20	0.46	-3.33	24.00	27.33
	4	0.32	0.23	0.55	-2.61	-	-	0.25	0.18	0.42	-3.75	24.00	27.75
	8	0.36	0.25	0.61	-2.16	-	-	0.27	0.19	0.47	-3.30	24.00	27.30

5G_CH0									5G_CH1					
Tested Frequency	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result	
[MHz]							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5955	0	0.00	-6.55	1.95	0.00	-1.14	-4.60	-5.74	-7.36	1.98	0.00	-1.14	-5.38	-6.52
	4	0.00	-6.23	1.95	0.00	-1.14	-4.28	-5.42	-7.72	1.98	0.00	-1.14	-5.74	-6.88
	8	0.00	-6.46	1.95	0.00	-1.14	-4.51	-5.65	-7.30	1.98	0.00	-1.14	-5.32	-6.46
6195	0	0.00	-6.79	2.00	0.00	-1.14	-4.79	-5.93	-7.50	1.99	0.00	-1.14	-5.51	-6.65
	4	0.00	-7.21	2.00	0.00	-1.14	-5.21	-6.35	-7.92	1.99	0.00	-1.14	-5.93	-7.07
	8	0.00	-6.62	2.00	0.00	-1.14	-4.62	-5.76	-7.34	1.99	0.00	-1.14	-5.35	-6.49
6415	0	0.00	-7.88	2.05	0.00	-1.14	-5.83	-6.97	-8.99	2.00	0.00	-1.14	-6.99	-8.13
	4	0.00	-8.32	2.05	0.00	-1.14	-6.27	-7.41	-9.43	2.00	0.00	-1.14	-7.43	-8.57
	8	0.00	-7.83	2.05	0.00	-1.14	-5.78	-6.92	-9.00	2.00	0.00	-1.14	-7.00	-8.14
6435	0	0.00	-6.30	2.08	0.00	-1.14	-4.22	-5.36	-7.57	2.02	0.00	-1.14	-5.55	-6.69
	4	0.00	-6.79	2.08	0.00	-1.14	-4.71	-5.85	-8.13	2.02	0.00	-1.14	-6.11	-7.25
	8	0.00	-6.46	2.08	0.00	-1.14	-4.38	-5.52	-7.65	2.02	0.00	-1.14	-5.63	-6.77
6475	0	0.00	-6.44	2.10	0.00	-1.14	-4.34	-5.48	-7.59	2.05	0.00	-1.14	-5.54	-6.68
	4	0.00	-6.87	2.10	0.00	-1.14	-4.77	-5.91	-8.03	2.05	0.00	-1.14	-5.98	-7.12
	8	0.00	-6.46	2.10	0.00	-1.14	-4.36	-5.50	-7.61	2.05	0.00	-1.14	-5.56	-6.70
6515	0	0.00	-6.67	2.11	0.00	-1.14	-4.56	-5.70	-8.00	2.05	0.00	-1.14	-5.95	-7.09
	4	0.00	-7.06	2.11	0.00	-1.14	-4.95	-6.09	-8.47	2.05	0.00	-1.14	-6.42	-7.56
	8	0.00	-6.58	2.11	0.00	-1.14	-4.47	-5.61	-8.05	2.05	0.00	-1.14	-6.00	-7.14

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) = 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 18, 2024
Temperature / Humidity 25 deg. C / 35 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 26-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(CDD) 26-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]		
6535	0	0.39	0.26	0.65	-1.89	-	-	0.30	0.20	0.50	-3.03	24.00	27.03		
	4	0.37	0.24	0.61	-2.16	-	-	0.28	0.19	0.47	-3.30	24.00	27.30		
	8	0.39	0.26	0.66	-1.84	-	-	0.30	0.20	0.50	-2.98	24.00	26.98		
6695	0	0.39	0.25	0.64	-1.92	-	-	0.30	0.19	0.49	-3.06	24.00	27.06		
	4	0.35	0.23	0.58	-2.34	-	-	0.27	0.18	0.45	-3.48	24.00	27.48		
	8	0.38	0.25	0.63	-2.00	-	-	0.29	0.19	0.49	-3.14	24.00	27.14		
6855	0	0.35	0.20	0.55	-2.60	-	-	0.27	0.16	0.42	-3.74	24.00	27.74		
	4	0.31	0.18	0.49	-3.08	-	-	0.24	0.14	0.38	-4.22	24.00	28.22		
	8	0.33	0.20	0.53	-2.77	-	-	0.25	0.15	0.41	-3.91	24.00	27.91		
6875	0	0.33	0.19	0.52	-2.82	-	-	0.25	0.15	0.40	-3.96	24.00	27.96		
	4	0.30	0.17	0.47	-3.25	-	-	0.23	0.13	0.36	-4.39	24.00	28.39		
	8	0.33	0.19	0.52	-2.83	-	-	0.25	0.15	0.40	-3.97	24.00	27.97		
6895	0	0.43	0.23	0.66	-1.77	-	-	0.33	0.18	0.51	-2.91	24.00	26.91		
	4	0.38	0.21	0.59	-2.26	-	-	0.29	0.16	0.46	-3.40	24.00	27.40		
	8	0.42	0.23	0.65	-1.87	-	-	0.32	0.18	0.50	-3.01	24.00	27.01		
6995	0	0.34	0.19	0.54	-2.71	-	-	0.26	0.15	0.41	-3.85	24.00	27.85		
	4	0.31	0.17	0.48	-3.16	-	-	0.24	0.13	0.37	-4.30	24.00	28.30		
	8	0.33	0.19	0.52	-2.84	-	-	0.26	0.14	0.40	-3.98	24.00	27.98		
7095	0	0.30	0.15	0.45	-3.45	-	-	0.23	0.12	0.35	-4.59	24.00	28.59		
	4	0.26	0.14	0.40	-4.03	-	-	0.20	0.10	0.30	-5.17	24.00	29.17		
	8	0.28	0.15	0.43	-3.65	-	-	0.22	0.11	0.33	-4.79	24.00	28.79		

Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	5G_CH0						5G_CH1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
6535	0	0.00	-6.25	2.14	0.00	-1.14	-4.11	-5.25	-7.96	2.09	0.00	-1.14	-5.87	-7.01
	4	0.00	-6.49	2.14	0.00	-1.14	-4.35	-5.49	-8.27	2.09	0.00	-1.14	-6.18	-7.32
	8	0.00	-6.18	2.14	0.00	-1.14	-4.04	-5.18	-7.93	2.09	0.00	-1.14	-5.84	-6.98
6695	0	0.00	-6.26	2.17	0.00	-1.14	-4.09	-5.23	-8.06	2.09	0.00	-1.14	-5.97	-7.11
	4	0.00	-6.69	2.17	0.00	-1.14	-4.52	-5.66	-8.47	2.09	0.00	-1.14	-6.38	-7.52
	8	0.00	-6.37	2.17	0.00	-1.14	-4.20	-5.34	-8.11	2.09	0.00	-1.14	-6.02	-7.16
6855	0	0.00	-6.80	2.21	0.00	-1.14	-4.59	-5.73	-9.04	2.10	0.00	-1.14	-6.94	-8.08
	4	0.00	-7.29	2.21	0.00	-1.14	-5.08	-6.22	-9.51	2.10	0.00	-1.14	-7.41	-8.55
	8	0.00	-7.03	2.21	0.00	-1.14	-4.82	-5.96	-9.10	2.10	0.00	-1.14	-7.00	-8.14
6875	0	0.00	-7.04	2.21	0.00	-1.14	-4.83	-5.97	-9.22	2.10	0.00	-1.14	-7.12	-8.26
	4	0.00	-7.41	2.21	0.00	-1.14	-5.20	-6.34	-9.76	2.10	0.00	-1.14	-7.66	-8.80
	8	0.00	-7.06	2.21	0.00	-1.14	-4.85	-5.99	-9.22	2.10	0.00	-1.14	-7.12	-8.26
6895	0	0.00	-5.90	2.24	0.00	-1.14	-3.66	-4.80	-8.44	2.13	0.00	-1.14	-6.31	-7.45
	4	0.00	-6.43	2.24	0.00	-1.14	-4.19	-5.33	-8.85	2.13	0.00	-1.14	-6.72	-7.86
	8	0.00	-6.04	2.24	0.00	-1.14	-3.80	-4.94	-8.45	2.13	0.00	-1.14	-6.32	-7.46
6995	0	0.00	-6.89	2.26	0.00	-1.14	-4.63	-5.77	-9.31	2.13	0.00	-1.14	-7.18	-8.32
	4	0.00	-7.35	2.26	0.00	-1.14	-5.09	-6.23	-9.76	2.13	0.00	-1.14	-7.63	-8.77
	8	0.00	-7.04	2.26	0.00	-1.14	-4.78	-5.92	-9.42	2.13	0.00	-1.14	-7.29	-8.43
7095	0	0.00	-7.55	2.30	0.00	-1.14	-5.25	-6.39	-10.26	2.13	0.00	-1.14	-8.13	-9.27
	4	0.00	-8.16	2.30	0.00	-1.14	-5.86	-7.00	-10.80	2.13	0.00	-1.14	-8.67	-9.81
	8	0.00	-7.77	2.30	0.00	-1.14	-5.47	-6.61	-10.43	2.13	0.00	-1.14	-8.30	-9.44

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

UL Japan, Inc. Shonan EMC Lab.

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 Japan / +81-463-50-6400

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 22, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 26-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(SDM) 26-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				
5955	0	0.37	0.31	0.68	-1.69	-	-	0.27	0.24	0.51	-2.95	24.00	26.95		
	4	0.34	0.28	0.62	-2.10	-	-	0.25	0.22	0.46	-3.36	24.00	27.36		
	8	0.36	0.31	0.67	-1.76	-	-	0.26	0.24	0.50	-3.02	24.00	27.02		
6195	0	0.35	0.29	0.64	-1.93	-	-	0.25	0.23	0.48	-3.19	24.00	27.19		
	4	0.32	0.27	0.59	-2.30	-	-	0.23	0.21	0.44	-3.56	24.00	27.56		
	8	0.36	0.30	0.66	-1.77	-	-	0.26	0.23	0.50	-3.03	24.00	27.03		
6415	0	0.27	0.21	0.48	-3.16	-	-	0.20	0.16	0.36	-4.42	24.00	28.42		
	4	0.26	0.19	0.45	-3.49	-	-	0.19	0.15	0.33	-4.75	24.00	28.75		
	8	0.28	0.21	0.49	-3.07	-	-	0.21	0.16	0.37	-4.33	24.00	28.33		
6435	0	0.41	0.29	0.71	-1.52	-	-	0.30	0.23	0.53	-2.78	24.00	26.78		
	4	0.37	0.26	0.63	-1.98	-	-	0.27	0.20	0.47	-3.25	24.00	27.25		
	8	0.40	0.29	0.70	-1.57	-	-	0.30	0.23	0.52	-2.83	24.00	26.83		
6475	0	0.41	0.29	0.70	-1.53	-	-	0.30	0.23	0.53	-2.80	24.00	26.80		
	4	0.37	0.27	0.64	-1.97	-	-	0.27	0.21	0.47	-3.23	24.00	27.23		
	8	0.40	0.29	0.69	-1.63	-	-	0.29	0.22	0.51	-2.90	24.00	26.90		
6515	0	0.37	0.28	0.65	-1.90	-	-	0.27	0.21	0.48	-3.16	24.00	27.16		
	4	0.34	0.25	0.58	-2.33	-	-	0.25	0.19	0.44	-3.60	24.00	27.60		
	8	0.37	0.27	0.64	-1.95	-	-	0.27	0.21	0.48	-3.22	24.00	27.22		

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
[MHz]							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5955	0	0.00	-6.26	1.95	0.00	-1.36	-4.31	-5.67	-7.11	1.98	0.00	-1.14	-5.13	-6.27
	4	0.00	-6.69	1.95	0.00	-1.36	-4.74	-6.10	-7.50	1.98	0.00	-1.14	-5.52	-6.66
	8	0.00	-6.42	1.95	0.00	-1.36	-4.47	-5.83	-7.08	1.98	0.00	-1.14	-5.10	-6.24
6195	0	0.00	-6.60	2.00	0.00	-1.36	-4.60	-5.96	-7.31	1.99	0.00	-1.14	-5.32	-6.46
	4	0.00	-6.94	2.00	0.00	-1.36	-4.94	-6.30	-7.72	1.99	0.00	-1.14	-5.73	-6.87
	8	0.00	-6.44	2.00	0.00	-1.36	-4.44	-5.80	-7.15	1.99	0.00	-1.14	-5.16	-6.30
6415	0	0.00	-7.66	2.05	0.00	-1.36	-5.61	-6.97	-8.81	2.00	0.00	-1.14	-6.81	-7.95
	4	0.00	-7.95	2.05	0.00	-1.36	-5.90	-7.26	-9.19	2.00	0.00	-1.14	-7.19	-8.33
	8	0.00	-7.51	2.05	0.00	-1.36	-5.46	-6.82	-8.80	2.00	0.00	-1.14	-6.80	-7.94
6435	0	0.00	-5.94	2.08	0.00	-1.36	-3.86	-5.22	-7.33	2.02	0.00	-1.14	-5.31	-6.45
	4	0.00	-6.40	2.08	0.00	-1.36	-4.32	-5.68	-7.81	2.02	0.00	-1.14	-5.79	-6.93
	8	0.00	-6.01	2.08	0.00	-1.36	-3.93	-5.29	-7.35	2.02	0.00	-1.14	-5.33	-6.47
6475	0	0.00	-5.99	2.10	0.00	-1.36	-3.89	-5.25	-7.36	2.05	0.00	-1.14	-5.31	-6.45
	4	0.00	-6.44	2.10	0.00	-1.36	-4.34	-5.70	-7.78	2.05	0.00	-1.14	-5.73	-6.87
	8	0.00	-6.11	2.10	0.00	-1.36	-4.01	-5.37	-7.43	2.05	0.00	-1.14	-5.38	-6.52
6515	0	0.00	-6.42	2.11	0.00	-1.36	-4.31	-5.67	-7.65	2.05	0.00	-1.14	-5.60	-6.74
	4	0.00	-6.84	2.11	0.00	-1.36	-4.73	-6.09	-8.11	2.05	0.00	-1.14	-6.06	-7.20
	8	0.00	-6.47	2.11	0.00	-1.36	-4.36	-5.72	-7.72	2.05	0.00	-1.14	-5.67	-6.81

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 22, 2024
Temperature / Humidity 23 deg. C / 35 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 26-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(SDM) 26-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				
6535	0	0.41	0.26	0.67	-1.74	-	-		0.30	0.20	0.50	-3.01	24.00	27.01	
	4	0.36	0.24	0.60	-2.20	-	-		0.27	0.18	0.45	-3.47	24.00	27.47	
	8	0.40	0.26	0.65	-1.85	-	-		0.29	0.20	0.49	-3.12	24.00	27.12	
6695	0	0.40	0.26	0.66	-1.82	-	-		0.29	0.20	0.49	-3.09	24.00	27.09	
	4	0.35	0.23	0.58	-2.36	-	-		0.25	0.18	0.43	-3.63	24.00	27.63	
	8	0.38	0.25	0.63	-2.00	-	-		0.28	0.19	0.47	-3.27	24.00	27.27	
6855	0	0.34	0.21	0.54	-2.66	-	-		0.25	0.16	0.40	-3.94	24.00	27.94	
	4	0.30	0.18	0.48	-3.21	-	-		0.22	0.14	0.36	-4.48	24.00	28.48	
	8	0.33	0.20	0.53	-2.77	-	-		0.24	0.15	0.39	-4.05	24.00	28.05	
6875	0	0.32	0.20	0.52	-2.83	-	-		0.24	0.15	0.39	-4.11	24.00	28.11	
	4	0.29	0.18	0.47	-3.28	-	-		0.22	0.14	0.35	-4.55	24.00	28.55	
	8	0.33	0.19	0.52	-2.86	-	-		0.24	0.15	0.39	-4.13	24.00	28.13	
6895	0	0.44	0.26	0.70	-1.57	-	-		0.32	0.20	0.52	-2.84	24.00	26.84	
	4	0.39	0.23	0.62	-2.05	-	-		0.29	0.18	0.46	-3.33	24.00	27.33	
	8	0.42	0.25	0.67	-1.74	-	-		0.31	0.19	0.50	-3.02	24.00	27.02	
6995	0	0.36	0.21	0.57	-2.47	-	-		0.26	0.16	0.42	-3.74	24.00	27.74	
	4	0.31	0.18	0.50	-3.01	-	-		0.23	0.14	0.37	-4.29	24.00	28.29	
	8	0.35	0.20	0.55	-2.60	-	-		0.25	0.16	0.41	-3.88	24.00	27.88	
7095	0	0.29	0.16	0.46	-3.41	-	-		0.21	0.13	0.34	-4.69	24.00	28.69	
	4	0.26	0.15	0.41	-3.90	-	-		0.19	0.11	0.30	-5.17	24.00	29.17	
	8	0.28	0.16	0.44	-3.56	-	-		0.21	0.12	0.33	-4.84	24.00	28.84	

		5G_CH0							5G_CH1						
Tested Frequency	RU Index	Duty Factor *1)	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]	
6535	0	0.00	-6.06	2.14	0.00	-1.36	-3.92	-5.28	-7.86	2.09	0.00	-1.14	-5.77	-6.91	
	4	0.00	-6.55	2.14	0.00	-1.36	-4.41	-5.77	-8.28	2.09	0.00	-1.14	-6.19	-7.33	
	8	0.00	-6.15	2.14	0.00	-1.36	-4.01	-5.37	-8.01	2.09	0.00	-1.14	-5.92	-7.06	
6695	0	0.00	-6.19	2.17	0.00	-1.36	-4.02	-5.38	-7.93	2.09	0.00	-1.14	-5.84	-6.98	
	4	0.00	-6.76	2.17	0.00	-1.36	-4.59	-5.95	-8.41	2.09	0.00	-1.14	-6.32	-7.46	
	8	0.00	-6.36	2.17	0.00	-1.36	-4.19	-5.55	-8.12	2.09	0.00	-1.14	-6.03	-7.17	
6855	0	0.00	-6.95	2.21	0.00	-1.36	-4.74	-6.10	-8.95	2.10	0.00	-1.14	-6.85	-7.99	
	4	0.00	-7.50	2.21	0.00	-1.36	-5.29	-6.65	-9.49	2.10	0.00	-1.14	-7.39	-8.53	
	8	0.00	-7.04	2.21	0.00	-1.36	-4.83	-6.19	-9.10	2.10	0.00	-1.14	-7.00	-8.14	
6875	0	0.00	-7.13	2.21	0.00	-1.36	-4.92	-6.28	-9.12	2.10	0.00	-1.14	-7.02	-8.16	
	4	0.00	-7.52	2.21	0.00	-1.36	-5.31	-6.67	-9.65	2.10	0.00	-1.14	-7.55	-8.69	
	8	0.00	-7.05	2.21	0.00	-1.36	-4.84	-6.20	-9.31	2.10	0.00	-1.14	-7.21	-8.35	
6895	0	0.00	-5.80	2.24	0.00	-1.36	-3.56	-4.92	-8.04	2.13	0.00	-1.14	-5.91	-7.05	
	4	0.00	-6.29	2.24	0.00	-1.36	-4.05	-5.41	-8.51	2.13	0.00	-1.14	-6.38	-7.52	
	8	0.00	-5.98	2.24	0.00	-1.36	-3.74	-5.10	-8.20	2.13	0.00	-1.14	-6.07	-7.21	
6995	0	0.00	-6.71	2.26	0.00	-1.36	-4.45	-5.81	-8.96	2.13	0.00	-1.14	-6.83	-7.97	
	4	0.00	-7.28	2.26	0.00	-1.36	-5.02	-6.38	-9.47	2.13	0.00	-1.14	-7.34	-8.48	
	8	0.00	-6.87	2.26	0.00	-1.36	-4.61	-5.97	-9.06	2.13	0.00	-1.14	-6.93	-8.07	
7095	0	0.00	-7.66	2.30	0.00	-1.36	-5.36	-6.72	-9.96	2.13	0.00	-1.14	-7.83	-8.97	
	4	0.00	-8.15	2.30	0.00	-1.36	-5.85	-7.21	-10.43	2.13	0.00	-1.14	-8.30	-9.44	
	8	0.00	-7.79	2.30	0.00	-1.36	-5.49	-6.85	-10.14	2.13	0.00	-1.14	-8.01	-9.15	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 18, 2024
Temperature / Humidity 25 deg. C / 35 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 52-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(CDD) 52-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5955	37	0.69	0.59	1.28	1.06	-	-	0.53	0.45	0.98	-0.08	24.00	24.08
	38	0.67	0.57	1.24	0.94	-	-	0.52	0.44	0.96	-0.20	24.00	24.20
	40	0.70	0.60	1.30	1.16	-	-	0.54	0.46	1.00	0.02	24.00	23.98
6195	37	0.66	0.53	1.20	0.78	-	-	0.51	0.41	0.92	-0.36	24.00	24.36
	38	0.63	0.51	1.14	0.58	-	-	0.49	0.39	0.88	-0.56	24.00	24.56
	40	0.66	0.54	1.20	0.80	-	-	0.51	0.42	0.92	-0.34	24.00	24.34
6415	37	0.54	0.41	0.95	-0.22	-	-	0.42	0.31	0.73	-1.36	24.00	25.36
	38	0.50	0.39	0.89	-0.52	-	-	0.39	0.30	0.68	-1.66	24.00	25.66
	40	0.52	0.40	0.92	-0.35	-	-	0.40	0.31	0.71	-1.49	24.00	25.49
6435	37	0.80	0.61	1.41	1.48	-	-	0.61	0.47	1.08	0.34	24.00	23.66
	38	0.77	0.59	1.36	1.34	-	-	0.59	0.46	1.05	0.20	24.00	23.80
	40	0.79	0.62	1.40	1.47	-	-	0.60	0.47	1.08	0.33	24.00	23.67
6475	37	0.80	0.60	1.40	1.46	-	-	0.62	0.46	1.08	0.32	24.00	23.68
	38	0.75	0.58	1.33	1.25	-	-	0.58	0.45	1.03	0.11	24.00	23.89
	40	0.78	0.60	1.38	1.40	-	-	0.60	0.46	1.06	0.26	24.00	23.74
6515	37	0.76	0.55	1.31	1.18	-	-	0.59	0.42	1.01	0.04	24.00	23.96
	38	0.73	0.53	1.26	1.01	-	-	0.56	0.41	0.97	-0.13	24.00	24.13
	40	0.75	0.54	1.29	1.11	-	-	0.58	0.41	0.99	-0.03	24.00	24.03

5G_CH0									5G_CH1					
Tested Frequency	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result	
[MHz]							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5955	37	0.00	-3.55	1.95	0.00	-1.14	-1.60	-2.74	-4.31	1.98	0.00	-1.14	-2.33	-3.47
	38	0.00	-3.66	1.95	0.00	-1.14	-1.71	-2.85	-4.44	1.98	0.00	-1.14	-2.46	-3.60
	40	0.00	-3.48	1.95	0.00	-1.14	-1.53	-2.67	-4.19	1.98	0.00	-1.14	-2.21	-3.35
6195	37	0.00	-3.79	2.00	0.00	-1.14	-1.79	-2.93	-4.71	1.99	0.00	-1.14	-2.72	-3.86
	38	0.00	-3.99	2.00	0.00	-1.14	-1.99	-3.13	-4.92	1.99	0.00	-1.14	-2.93	-4.07
	40	0.00	-3.80	2.00	0.00	-1.14	-1.80	-2.94	-4.66	1.99	0.00	-1.14	-2.67	-3.81
6415	37	0.00	-4.72	2.05	0.00	-1.14	-2.67	-3.81	-5.88	2.00	0.00	-1.14	-3.88	-5.02
	38	0.00	-5.04	2.05	0.00	-1.14	-2.99	-4.13	-6.14	2.00	0.00	-1.14	-4.14	-5.28
	40	0.00	-4.89	2.05	0.00	-1.14	-2.84	-3.98	-5.95	2.00	0.00	-1.14	-3.95	-5.09
6435	37	0.00	-3.06	2.08	0.00	-1.14	-0.98	-2.12	-4.17	2.02	0.00	-1.14	-2.15	-3.29
	38	0.00	-3.22	2.08	0.00	-1.14	-1.14	-2.28	-4.29	2.02	0.00	-1.14	-2.27	-3.41
	40	0.00	-3.12	2.08	0.00	-1.14	-1.04	-2.18	-4.12	2.02	0.00	-1.14	-2.10	-3.24
6475	37	0.00	-3.06	2.10	0.00	-1.14	-0.96	-2.10	-4.28	2.05	0.00	-1.14	-2.23	-3.37
	38	0.00	-3.33	2.10	0.00	-1.14	-1.23	-2.37	-4.42	2.05	0.00	-1.14	-2.37	-3.51
	40	0.00	-3.17	2.10	0.00	-1.14	-1.07	-2.21	-4.27	2.05	0.00	-1.14	-2.22	-3.36
6515	37	0.00	-3.29	2.11	0.00	-1.14	-1.18	-2.32	-4.66	2.05	0.00	-1.14	-2.61	-3.75
	38	0.00	-3.46	2.11	0.00	-1.14	-1.35	-2.49	-4.81	2.05	0.00	-1.14	-2.76	-3.90
	40	0.00	-3.33	2.11	0.00	-1.14	-1.22	-2.36	-4.75	2.05	0.00	-1.14	-2.70	-3.84

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 18, 2024
Temperature / Humidity 25 deg. C / 35 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 52-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(CDD) 52-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6535	37	0.85	0.54	1.39	1.44	-	-	0.66	0.42	1.07	0.30	24.00	23.70
	38	0.83	0.53	1.36	1.34	-	-	0.64	0.41	1.05	0.20	24.00	23.80
	40	0.83	0.55	1.38	1.39	-	-	0.64	0.42	1.06	0.25	24.00	23.75
6695	37	0.85	0.55	1.40	1.47	-	-	0.66	0.42	1.08	0.33	24.00	23.67
	38	0.79	0.53	1.32	1.22	-	-	0.61	0.41	1.02	0.08	24.00	23.92
	40	0.82	0.55	1.37	1.36	-	-	0.63	0.42	1.05	0.22	24.00	23.78
6855	37	0.75	0.44	1.18	0.74	-	-	0.58	0.33	0.91	-0.40	24.00	24.40
	38	0.68	0.41	1.10	0.40	-	-	0.53	0.32	0.84	-0.74	24.00	24.74
	40	0.72	0.43	1.14	0.59	-	-	0.55	0.33	0.88	-0.55	24.00	24.55
6875	37	0.73	0.41	1.15	0.60	-	-	0.56	0.32	0.88	-0.54	24.00	24.54
	38	0.68	0.39	1.07	0.29	-	-	0.52	0.30	0.82	-0.85	24.00	24.85
	40	0.70	0.41	1.12	0.48	-	-	0.54	0.32	0.86	-0.66	24.00	24.66
6895	37	0.87	0.49	1.36	1.33	-	-	0.67	0.38	1.04	0.19	24.00	23.81
	38	0.88	0.48	1.36	1.34	-	-	0.67	0.37	1.05	0.20	24.00	23.80
	40	0.84	0.47	1.31	1.18	-	-	0.65	0.36	1.01	0.04	24.00	23.96
6995	37	0.71	0.39	1.10	0.42	-	-	0.54	0.30	0.85	-0.72	24.00	24.72
	38	0.73	0.39	1.12	0.50	-	-	0.56	0.30	0.86	-0.64	24.00	24.64
	40	0.70	0.38	1.08	0.35	-	-	0.54	0.29	0.83	-0.79	24.00	24.79
7095	37	0.59	0.31	0.91	-0.43	-	-	0.46	0.24	0.70	-1.57	24.00	25.57
	38	0.60	0.34	0.94	-0.29	-	-	0.46	0.26	0.72	-1.43	24.00	25.43
	40	0.57	0.31	0.87	-0.59	-	-	0.44	0.24	0.67	-1.73	24.00	25.73

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]							
6535	37	0.00	-2.84	2.14	0.00	-1.14	-0.70	-1.84	-4.74	2.09	0.00	-1.14	-2.65	-3.79	
	38	0.00	-2.94	2.14	0.00	-1.14	-0.80	-1.94	-4.85	2.09	0.00	-1.14	-2.76	-3.90	
	40	0.00	-2.95	2.14	0.00	-1.14	-0.81	-1.95	-4.70	2.09	0.00	-1.14	-2.61	-3.75	
6695	37	0.00	-2.87	2.17	0.00	-1.14	-0.70	-1.84	-4.67	2.09	0.00	-1.14	-2.58	-3.72	
	38	0.00	-3.20	2.17	0.00	-1.14	-1.03	-2.17	-4.82	2.09	0.00	-1.14	-2.73	-3.87	
	40	0.00	-3.04	2.17	0.00	-1.14	-0.87	-2.01	-4.71	2.09	0.00	-1.14	-2.62	-3.76	
6855	37	0.00	-3.46	2.21	0.00	-1.14	-1.25	-2.39	-5.71	2.10	0.00	-1.14	-3.61	-4.75	
	38	0.00	-3.86	2.21	0.00	-1.14	-1.65	-2.79	-5.94	2.10	0.00	-1.14	-3.84	-4.98	
	40	0.00	-3.66	2.21	0.00	-1.14	-1.45	-2.59	-5.77	2.10	0.00	-1.14	-3.67	-4.81	
6875	37	0.00	-3.55	2.21	0.00	-1.14	-1.34	-2.48	-5.92	2.10	0.00	-1.14	-3.82	-4.96	
	38	0.00	-3.91	2.21	0.00	-1.14	-1.70	-2.84	-6.15	2.10	0.00	-1.14	-4.05	-5.19	
	40	0.00	-3.73	2.21	0.00	-1.14	-1.52	-2.66	-5.96	2.10	0.00	-1.14	-3.86	-5.00	
6895	37	0.00	-2.85	2.24	0.00	-1.14	-0.61	-1.75	-5.25	2.13	0.00	-1.14	-3.12	-4.26	
	38	0.00	-2.81	2.24	0.00	-1.14	-0.57	-1.71	-5.28	2.13	0.00	-1.14	-3.15	-4.29	
	40	0.00	-2.98	2.24	0.00	-1.14	-0.74	-1.88	-5.42	2.13	0.00	-1.14	-3.29	-4.43	
6995	37	0.00	-3.76	2.26	0.00	-1.14	-1.50	-2.64	-6.18	2.13	0.00	-1.14	-4.05	-5.19	
	38	0.00	-3.63	2.26	0.00	-1.14	-1.37	-2.51	-6.19	2.13	0.00	-1.14	-4.06	-5.20	
	40	0.00	-3.81	2.26	0.00	-1.14	-1.55	-2.69	-6.30	2.13	0.00	-1.14	-4.17	-5.31	
7095	37	0.00	-4.56	2.30	0.00	-1.14	-2.26	-3.40	-7.19	2.13	0.00	-1.14	-5.06	-6.20	
	38	0.00	-4.55	2.30	0.00	-1.14	-2.25	-3.39	-6.80	2.13	0.00	-1.14	-4.67	-5.81	
	40	0.00	-4.77	2.30	0.00	-1.14	-2.47	-3.61	-7.27	2.13	0.00	-1.14	-5.14	-6.28	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 27, 2024
Temperature / Humidity 25 deg. C / 41 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 52-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(SDM) 52-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5955	37	0.70	0.60	1.29	1.12	-	-	0.51	0.46	0.97	-0.14	24.00	24.14
	38	0.65	0.55	1.21	0.81	-	-	0.48	0.42	0.90	-0.45	24.00	24.45
	40	0.70	0.59	1.30	1.14	-	-	0.52	0.46	0.97	-0.12	24.00	24.12
6195	37	0.65	0.53	1.18	0.72	-	-	0.47	0.41	0.88	-0.54	24.00	24.54
	38	0.62	0.49	1.11	0.46	-	-	0.46	0.37	0.83	-0.81	24.00	24.81
	40	0.66	0.52	1.18	0.73	-	-	0.48	0.40	0.88	-0.53	24.00	24.53
6415	37	0.53	0.39	0.93	-0.32	-	-	0.39	0.30	0.69	-1.59	24.00	25.59
	38	0.50	0.38	0.89	-0.52	-	-	0.37	0.30	0.66	-1.78	24.00	25.78
	40	0.53	0.40	0.93	-0.31	-	-	0.39	0.31	0.70	-1.57	24.00	25.57
6435	37	0.78	0.58	1.36	1.34	-	-	0.57	0.45	1.02	0.08	24.00	23.92
	38	0.73	0.55	1.28	1.08	-	-	0.53	0.42	0.96	-0.19	24.00	24.19
	40	0.77	0.56	1.33	1.23	-	-	0.56	0.43	0.99	-0.04	24.00	24.04
6475	37	0.78	0.57	1.35	1.29	-	-	0.57	0.44	1.01	0.03	24.00	23.97
	38	0.73	0.53	1.26	1.02	-	-	0.53	0.41	0.94	-0.25	24.00	24.25
	40	0.76	0.55	1.32	1.19	-	-	0.56	0.42	0.98	-0.08	24.00	24.08
6515	37	0.73	0.51	1.24	0.93	-	-	0.53	0.39	0.92	-0.34	24.00	24.34
	38	0.66	0.49	1.15	0.62	-	-	0.49	0.38	0.86	-0.64	24.00	24.64
	40	0.71	0.50	1.21	0.82	-	-	0.52	0.38	0.90	-0.45	24.00	24.45

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	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]
5955	37	0.00	-3.52	1.95	0.00	-1.36	-1.57	-2.93	-4.22	1.98	0.00	-1.14	-2.24	-3.38
	38	0.00	-3.80	1.95	0.00	-1.36	-1.85	-3.21	-4.56	1.98	0.00	-1.14	-2.58	-3.72
	40	0.00	-3.47	1.95	0.00	-1.36	-1.52	-2.88	-4.24	1.98	0.00	-1.14	-2.26	-3.40
6195	37	0.00	-3.88	2.00	0.00	-1.36	-1.88	-3.24	-4.74	1.99	0.00	-1.14	-2.75	-3.89
	38	0.00	-4.05	2.00	0.00	-1.36	-2.05	-3.41	-5.12	1.99	0.00	-1.14	-3.13	-4.27
	40	0.00	-3.79	2.00	0.00	-1.36	-1.79	-3.15	-4.83	1.99	0.00	-1.14	-2.84	-3.98
6415	37	0.00	-4.77	2.05	0.00	-1.36	-2.72	-4.08	-6.05	2.00	0.00	-1.14	-4.05	-5.19
	38	0.00	-5.03	2.05	0.00	-1.36	-2.98	-4.34	-6.16	2.00	0.00	-1.14	-4.16	-5.30
	40	0.00	-4.81	2.05	0.00	-1.36	-2.76	-4.12	-5.96	2.00	0.00	-1.14	-3.96	-5.10
6435	37	0.00	-3.14	2.08	0.00	-1.36	-1.06	-2.42	-4.39	2.02	0.00	-1.14	-2.37	-3.51
	38	0.00	-3.45	2.08	0.00	-1.36	-1.37	-2.73	-4.60	2.02	0.00	-1.14	-2.58	-3.72
	40	0.00	-3.21	2.08	0.00	-1.36	-1.13	-2.49	-4.56	2.02	0.00	-1.14	-2.54	-3.68
6475	37	0.00	-3.20	2.10	0.00	-1.36	-1.10	-2.46	-4.49	2.05	0.00	-1.14	-2.44	-3.58
	38	0.00	-3.47	2.10	0.00	-1.36	-1.37	-2.73	-4.77	2.05	0.00	-1.14	-2.72	-3.86
	40	0.00	-3.27	2.10	0.00	-1.36	-1.17	-2.53	-4.64	2.05	0.00	-1.14	-2.59	-3.73
6515	37	0.00	-3.49	2.11	0.00	-1.36	-1.38	-2.74	-4.98	2.05	0.00	-1.14	-2.93	-4.07
	38	0.00	-3.89	2.11	0.00	-1.36	-1.78	-3.14	-5.15	2.05	0.00	-1.14	-3.10	-4.24
	40	0.00	-3.61	2.11	0.00	-1.36	-1.50	-2.86	-5.07	2.05	0.00	-1.14	-3.02	-4.16

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 27, 2024
Temperature / Humidity 25 deg. C / 41 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 52-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(SDM) 52-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				
6535	37	0.85	0.56	1.40	1.47	-	-		0.62	0.43	1.05	0.20	24.00	23.80	
	38	0.83	0.53	1.36	1.34	-	-		0.61	0.41	1.01	0.06	24.00	23.94	
	40	0.87	0.55	1.41	1.49	-	-		0.63	0.42	1.05	0.22	24.00	23.78	
6695	37	0.85	0.55	1.40	1.47	-	-		0.62	0.42	1.05	0.19	24.00	23.81	
	38	0.81	0.53	1.35	1.29	-	-		0.59	0.41	1.00	0.02	24.00	23.98	
	40	0.84	0.54	1.38	1.40	-	-		0.61	0.42	1.03	0.13	24.00	23.87	
6855	37	0.74	0.43	1.18	0.71	-	-		0.54	0.33	0.88	-0.57	24.00	24.57	
	38	0.71	0.41	1.12	0.51	-	-		0.52	0.32	0.84	-0.77	24.00	24.77	
	40	0.72	0.42	1.14	0.58	-	-		0.53	0.33	0.85	-0.69	24.00	24.69	
6875	37	0.74	0.42	1.16	0.63	-	-		0.54	0.32	0.86	-0.65	24.00	24.65	
	38	0.69	0.40	1.08	0.35	-	-		0.50	0.31	0.81	-0.93	24.00	24.93	
	40	0.72	0.41	1.13	0.53	-	-		0.53	0.31	0.84	-0.75	24.00	24.75	
6895	37	0.85	0.49	1.34	1.26	-	-		0.62	0.38	1.00	-0.01	24.00	24.01	
	38	0.79	0.46	1.24	0.95	-	-		0.57	0.35	0.93	-0.33	24.00	24.33	
	40	0.82	0.48	1.30	1.13	-	-		0.60	0.37	0.97	-0.15	24.00	24.15	
6995	37	0.70	0.39	1.09	0.39	-	-		0.51	0.30	0.81	-0.89	24.00	24.89	
	38	0.66	0.37	1.04	0.16	-	-		0.48	0.29	0.77	-1.12	24.00	25.12	
	40	0.67	0.39	1.05	0.22	-	-		0.49	0.30	0.78	-1.05	24.00	25.05	
7095	37	0.58	0.31	0.89	-0.50	-	-		0.42	0.24	0.66	-1.79	24.00	25.79	
	38	0.54	0.30	0.84	-0.74	-	-		0.40	0.23	0.63	-2.02	24.00	26.02	
	40	0.56	0.31	0.87	-0.60	-	-		0.41	0.24	0.65	-1.88	24.00	25.88	

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1) [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]	
6535	37	0.00	-2.87	2.14	0.00	-1.36	-0.73	-2.09	-4.63	2.09	0.00	-1.14	-2.54	-3.68	
	38	0.00	-2.94	2.14	0.00	-1.36	-0.80	-2.16	-4.86	2.09	0.00	-1.14	-2.77	-3.91	
	40	0.00	-2.77	2.14	0.00	-1.36	-0.63	-1.99	-4.72	2.09	0.00	-1.14	-2.63	-3.77	
6695	37	0.00	-2.87	2.17	0.00	-1.36	-0.70	-2.06	-4.69	2.09	0.00	-1.14	-2.60	-3.74	
	38	0.00	-3.07	2.17	0.00	-1.36	-0.90	-2.26	-4.83	2.09	0.00	-1.14	-2.74	-3.88	
	40	0.00	-2.93	2.17	0.00	-1.36	-0.76	-2.12	-4.77	2.09	0.00	-1.14	-2.68	-3.82	
6855	37	0.00	-3.49	2.21	0.00	-1.36	-1.28	-2.64	-5.72	2.10	0.00	-1.14	-3.62	-4.76	
	38	0.00	-3.69	2.21	0.00	-1.36	-1.48	-2.84	-5.94	2.10	0.00	-1.14	-3.84	-4.98	
	40	0.00	-3.63	2.21	0.00	-1.36	-1.42	-2.78	-5.83	2.10	0.00	-1.14	-3.73	-4.87	
6875	37	0.00	-3.54	2.21	0.00	-1.36	-1.33	-2.69	-5.86	2.10	0.00	-1.14	-3.76	-4.90	
	38	0.00	-3.85	2.21	0.00	-1.36	-1.64	-3.00	-6.09	2.10	0.00	-1.14	-3.99	-5.13	
	40	0.00	-3.63	2.21	0.00	-1.36	-1.42	-2.78	-5.98	2.10	0.00	-1.14	-3.88	-5.02	
6895	37	0.00	-2.97	2.24	0.00	-1.36	-0.73	-2.09	-5.21	2.13	0.00	-1.14	-3.08	-4.22	
	38	0.00	-3.29	2.24	0.00	-1.36	-1.05	-2.41	-5.52	2.13	0.00	-1.14	-3.39	-4.53	
	40	0.00	-3.10	2.24	0.00	-1.36	-0.86	-2.22	-5.35	2.13	0.00	-1.14	-3.22	-4.36	
6995	37	0.00	-3.80	2.26	0.00	-1.36	-1.54	-2.90	-6.21	2.13	0.00	-1.14	-4.08	-5.22	
	38	0.00	-4.05	2.26	0.00	-1.36	-1.79	-3.15	-6.40	2.13	0.00	-1.14	-4.27	-5.41	
	40	0.00	-4.02	2.26	0.00	-1.36	-1.76	-3.12	-6.27	2.13	0.00	-1.14	-4.14	-5.28	
7095	37	0.00	-4.68	2.30	0.00	-1.36	-2.38	-3.74	-7.18	2.13	0.00	-1.14	-5.05	-6.19	
	38	0.00	-4.97	2.30	0.00	-1.36	-2.67	-4.03	-7.33	2.13	0.00	-1.14	-5.20	-6.34	
	40	0.00	-4.82	2.30	0.00	-1.36	-2.52	-3.88	-7.20	2.13	0.00	-1.14	-5.07	-6.21	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 27, 2024
Temperature / Humidity 25 deg. C / 41 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 106-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(CDD) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5955	53	0.99	0.85	1.84	2.65	-	-	0.76	0.66	1.42	1.51	24.00	22.49
	54	0.99	0.88	1.87	2.72	-	-	0.76	0.68	1.44	1.58	24.00	22.42
6195	53	0.94	0.80	1.74	2.40	-	-	0.72	0.61	1.34	1.26	24.00	22.74
	54	0.96	0.81	1.78	2.49	-	-	0.74	0.63	1.37	1.35	24.00	22.65
6415	53	0.76	0.61	1.37	1.35	-	-	0.58	0.47	1.05	0.21	24.00	23.79
	54	0.74	0.60	1.34	1.28	-	-	0.57	0.46	1.03	0.14	24.00	23.86
6435	53	1.07	0.85	1.92	2.83	-	-	0.83	0.65	1.48	1.69	24.00	22.31
	54	1.07	0.83	1.90	2.78	-	-	0.82	0.64	1.46	1.64	24.00	22.36
6475	53	1.07	0.82	1.89	2.76	-	-	0.83	0.63	1.45	1.62	24.00	22.38
	54	1.04	0.81	1.85	2.68	-	-	0.80	0.62	1.42	1.54	24.00	22.46
6515	53	1.00	0.75	1.76	2.44	-	-	0.77	0.58	1.35	1.30	24.00	22.70
	54	1.01	0.73	1.74	2.41	-	-	0.78	0.56	1.34	1.27	24.00	22.73

5G_CH0									5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
5955	53	0.00	-2.00	1.95	0.00	-1.14	-0.05	-1.19	-2.67	1.98	0.00	-1.14	-0.69	-1.83
	54	0.00	-2.01	1.95	0.00	-1.14	-0.06	-1.20	-2.52	1.98	0.00	-1.14	-0.54	-1.68
6195	53	0.00	-2.27	2.00	0.00	-1.14	-0.27	-1.41	-2.98	1.99	0.00	-1.14	-0.99	-2.13
	54	0.00	-2.17	2.00	0.00	-1.14	-0.17	-1.31	-2.89	1.99	0.00	-1.14	-0.90	-2.04
6415	53	0.00	-3.26	2.05	0.00	-1.14	-1.21	-2.35	-4.16	2.00	0.00	-1.14	-2.16	-3.30
	54	0.00	-3.35	2.05	0.00	-1.14	-1.30	-2.44	-4.20	2.00	0.00	-1.14	-2.20	-3.34
6435	53	0.00	-1.77	2.08	0.00	-1.14	0.31	-0.83	-2.75	2.02	0.00	-1.14	-0.73	-1.87
	54	0.00	-1.79	2.08	0.00	-1.14	0.29	-0.85	-2.84	2.02	0.00	-1.14	-0.82	-1.96
6475	53	0.00	-1.79	2.10	0.00	-1.14	0.31	-0.83	-2.94	2.05	0.00	-1.14	-0.89	-2.03
	54	0.00	-1.93	2.10	0.00	-1.14	0.17	-0.97	-2.96	2.05	0.00	-1.14	-0.91	-2.05
6515	53	0.00	-2.09	2.11	0.00	-1.14	0.02	-1.12	-3.30	2.05	0.00	-1.14	-1.25	-2.39
	54	0.00	-2.06	2.11	0.00	-1.14	0.05	-1.09	-3.41	2.05	0.00	-1.14	-1.36	-2.50

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 27, 2024
Temperature / Humidity 25 deg. C / 41 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 106-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(CDD) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6535	53	1.07	0.73	1.80	2.55	-	-		0.82	0.56	1.38	1.41	24.00	22.59
	54	1.04	0.71	1.75	2.42	-	-		0.80	0.54	1.34	1.28	24.00	22.72
6695	53	1.05	0.71	1.77	2.47	-	-		0.81	0.55	1.36	1.33	24.00	22.67
	54	1.04	0.71	1.75	2.43	-	-		0.80	0.54	1.35	1.29	24.00	22.71
6855	53	0.95	0.57	1.51	1.80	-	-		0.73	0.44	1.17	0.66	24.00	23.34
	54	0.92	0.56	1.48	1.69	-	-		0.71	0.43	1.14	0.55	24.00	23.45
6875	53	0.91	0.54	1.45	1.60	-	-		0.70	0.41	1.11	0.46	24.00	23.54
	54	0.88	0.53	1.41	1.48	-	-		0.67	0.41	1.08	0.34	24.00	23.66
6895	53	0.97	0.55	1.52	1.82	-	-		0.75	0.42	1.17	0.68	24.00	23.32
	54	0.92	0.54	1.46	1.64	-	-		0.71	0.41	1.12	0.50	24.00	23.50
6995	53	0.77	0.45	1.22	0.88	-	-		0.59	0.35	0.94	-0.26	24.00	24.26
	54	0.76	0.44	1.20	0.78	-	-		0.59	0.34	0.92	-0.36	24.00	24.36
7095	53	0.66	0.36	1.01	0.05	-	-		0.50	0.27	0.78	-1.09	24.00	25.09
	54	0.63	0.35	0.98	-0.07	-	-		0.48	0.27	0.76	-1.21	24.00	25.21

5G_CH0									5G_CH1					
Tested Frequency	RU Index	Duty Factor	Power Meter	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter	Cable Loss	Atten. Loss	Directional Gain	Result	
		*1)	Reading				Cond.	e.i.r.p.	Reading				Cond.	e.i.r.p.
		[dB]	[dBm]	[dB]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]
6535	53	0.00	-1.86	2.14	0.00	-1.14	0.28	-0.86	-3.45	2.09	0.00	-1.14	-1.36	-2.50
	54	0.00	-1.97	2.14	0.00	-1.14	0.17	-0.97	-3.59	2.09	0.00	-1.14	-1.50	-2.64
6695	53	0.00	-1.96	2.17	0.00	-1.14	0.21	-0.93	-3.55	2.09	0.00	-1.14	-1.46	-2.60
	54	0.00	-1.99	2.17	0.00	-1.14	0.18	-0.96	-3.59	2.09	0.00	-1.14	-1.50	-2.64
6855	53	0.00	-2.44	2.21	0.00	-1.14	-0.23	-1.37	-4.56	2.10	0.00	-1.14	-2.46	-3.60
	54	0.00	-2.56	2.21	0.00	-1.14	-0.35	-1.49	-4.65	2.10	0.00	-1.14	-2.55	-3.69
6875	53	0.00	-2.63	2.21	0.00	-1.14	-0.42	-1.56	-4.78	2.10	0.00	-1.14	-2.68	-3.82
	54	0.00	-2.78	2.21	0.00	-1.14	-0.57	-1.71	-4.85	2.10	0.00	-1.14	-2.75	-3.89
6895	53	0.00	-2.36	2.24	0.00	-1.14	-0.12	-1.26	-4.75	2.13	0.00	-1.14	-2.62	-3.76
	54	0.00	-2.61	2.24	0.00	-1.14	-0.37	-1.51	-4.81	2.13	0.00	-1.14	-2.68	-3.82
6995	53	0.00	-3.40	2.26	0.00	-1.14	-1.14	-2.28	-5.56	2.13	0.00	-1.14	-3.43	-4.57
	54	0.00	-3.45	2.26	0.00	-1.14	-1.19	-2.33	-5.74	2.13	0.00	-1.14	-3.61	-4.75
7095	53	0.00	-4.13	2.30	0.00	-1.14	-1.83	-2.97	-6.62	2.13	0.00	-1.14	-4.49	-5.63
	54	0.00	-4.31	2.30	0.00	-1.14	-2.01	-3.15	-6.64	2.13	0.00	-1.14	-4.51	-5.65

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 27, 2024
Temperature / Humidity 25 deg. C / 41 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 106-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(SDM) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5955	53	1.05	0.90	1.95	2.89	-	-	0.77	0.69	1.46	1.64	24.00	22.36
	54	1.05	0.91	1.96	2.93	-	-	0.77	0.70	1.47	1.67	24.00	22.33
6195	53	1.02	0.81	1.83	2.63	-	-	0.74	0.63	1.37	1.37	24.00	22.63
	54	1.01	0.83	1.84	2.64	-	-	0.74	0.64	1.37	1.38	24.00	22.62
6415	53	0.78	0.62	1.40	1.45	-	-	0.57	0.48	1.04	0.19	24.00	23.81
	54	0.77	0.61	1.38	1.41	-	-	0.56	0.47	1.03	0.14	24.00	23.86
6435	53	1.13	0.85	1.98	2.96	-	-	0.82	0.66	1.48	1.70	24.00	22.30
	54	1.12	0.83	1.95	2.91	-	-	0.82	0.64	1.46	1.65	24.00	22.35
6475	53	1.12	0.83	1.95	2.90	-	-	0.82	0.64	1.46	1.64	24.00	22.36
	54	1.13	0.81	1.94	2.87	-	-	0.83	0.62	1.45	1.60	24.00	22.40
6515	53	1.05	0.75	1.80	2.55	-	-	0.77	0.57	1.34	1.28	24.00	22.72
	54	1.05	0.75	1.79	2.54	-	-	0.76	0.57	1.34	1.27	24.00	22.73

Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5955	53	0.00	-21.91	1.95	20.17	-1.36	0.21	-1.15	-22.62	1.98	20.16	-1.14	-0.47	-1.61
	54	0.00	-21.91	1.95	20.17	-1.36	0.21	-1.15	-22.54	1.98	20.16	-1.14	-0.39	-1.53
6195	53	0.00	-22.09	2.00	20.17	-1.36	0.08	-1.28	-23.05	1.99	20.16	-1.14	-0.90	-2.04
	54	0.00	-22.14	2.00	20.17	-1.36	0.03	-1.33	-22.97	1.99	20.16	-1.14	-0.82	-1.96
6415	53	0.00	-23.30	2.05	20.16	-1.36	-1.09	-2.45	-24.25	2.00	20.16	-1.14	-2.09	-3.23
	54	0.00	-23.33	2.05	20.16	-1.36	-1.12	-2.48	-24.31	2.00	20.16	-1.14	-2.15	-3.29
6435	53	0.00	-21.72	2.08	20.16	-1.36	0.51	-0.85	-22.87	2.02	20.16	-1.14	-0.69	-1.83
	54	0.00	-21.74	2.08	20.16	-1.36	0.49	-0.87	-22.97	2.02	20.16	-1.14	-0.79	-1.93
6475	53	0.00	-21.76	2.10	20.15	-1.36	0.50	-0.86	-23.02	2.05	20.16	-1.14	-0.81	-1.95
	54	0.00	-21.73	2.10	20.15	-1.36	0.53	-0.83	-23.14	2.05	20.16	-1.14	-0.93	-2.07
6515	53	0.00	-22.04	2.11	20.15	-1.36	0.22	-1.14	-23.49	2.05	20.16	-1.14	-1.27	-2.41
	54	0.00	-22.07	2.11	20.15	-1.36	0.19	-1.17	-23.48	2.05	20.16	-1.14	-1.26	-2.40

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 27, 2024
Temperature / Humidity 25 deg. C / 41 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-20 (OFDMA) 106-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(SDM) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6535	53	1.12	0.73	1.85	2.67	-	-	0.82	0.56	1.38	1.40	24.00	22.60
	54	1.01	0.70	1.71	2.34	-	-	0.74	0.54	1.28	1.07	24.00	22.93
6695	53	1.09	0.72	1.80	2.56	-	-	0.79	0.55	1.34	1.29	24.00	22.71
	54	1.04	0.70	1.74	2.41	-	-	0.76	0.54	1.30	1.14	24.00	22.86
6855	53	0.95	0.57	1.51	1.80	-	-	0.69	0.44	1.13	0.52	24.00	23.48
	54	0.92	0.55	1.47	1.69	-	-	0.67	0.43	1.10	0.41	24.00	23.59
6875	53	0.91	0.55	1.46	1.65	-	-	0.67	0.42	1.09	0.38	24.00	23.62
	54	0.87	0.53	1.40	1.47	-	-	0.64	0.41	1.04	0.19	24.00	23.81
6895	53	0.97	0.56	1.53	1.84	-	-	0.71	0.43	1.14	0.56	24.00	23.44
	54	0.94	0.55	1.49	1.74	-	-	0.69	0.42	1.11	0.46	24.00	23.54
6995	53	0.80	0.46	1.27	1.02	-	-	0.59	0.36	0.94	-0.25	24.00	24.25
	54	0.80	0.44	1.24	0.94	-	-	0.59	0.34	0.92	-0.34	24.00	24.34
7095	53	0.65	0.37	1.03	0.11	-	-	0.48	0.29	0.76	-1.17	24.00	25.17
	54	0.63	0.35	0.98	-0.07	-	-	0.46	0.27	0.73	-1.35	24.00	25.35

5G_CH0									5G_CH1					
Tested Frequency	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
[MHz]														
6535	53	0.00	-21.80	2.14	20.15	-1.36	0.50	-0.86	-23.63	2.09	20.16	-1.14	-1.38	-2.52
	54	0.00	-22.25	2.14	20.15	-1.36	0.05	-1.31	-23.78	2.09	20.16	-1.14	-1.53	-2.67
6695	53	0.00	-21.97	2.17	20.15	-1.36	0.36	-1.00	-23.70	2.09	20.16	-1.14	-1.45	-2.59
	54	0.00	-22.16	2.17	20.15	-1.36	0.17	-1.19	-23.79	2.09	20.16	-1.14	-1.54	-2.68
6855	53	0.00	-22.60	2.21	20.15	-1.36	-0.24	-1.60	-24.72	2.10	20.16	-1.14	-2.46	-3.60
	54	0.00	-22.71	2.21	20.15	-1.36	-0.35	-1.71	-24.83	2.10	20.16	-1.14	-2.57	-3.71
6875	53	0.00	-22.75	2.21	20.15	-1.36	-0.39	-1.75	-24.86	2.10	20.16	-1.14	-2.60	-3.74
	54	0.00	-22.96	2.21	20.15	-1.36	-0.60	-1.96	-25.01	2.10	20.16	-1.14	-2.75	-3.89
6895	53	0.00	-22.52	2.24	20.15	-1.36	-0.13	-1.49	-24.84	2.13	20.16	-1.14	-2.55	-3.69
	54	0.00	-22.65	2.24	20.15	-1.36	-0.26	-1.62	-24.89	2.13	20.16	-1.14	-2.60	-3.74
6995	53	0.00	-23.37	2.26	20.15	-1.36	-0.96	-2.32	-25.63	2.13	20.16	-1.14	-3.34	-4.48
	54	0.00	-23.38	2.26	20.15	-1.36	-0.97	-2.33	-25.84	2.13	20.16	-1.14	-3.55	-4.69
7095	53	0.00	-24.29	2.30	20.15	-1.36	-1.84	-3.20	-26.58	2.13	20.16	-1.14	-4.29	-5.43
	54	0.00	-24.46	2.30	20.15	-1.36	-2.01	-3.37	-26.79	2.13	20.16	-1.14	-4.50	-5.64

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 19, 2024
Temperature / Humidity 24 deg. C / 41 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-20 (OFDMA) 242-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-20 (OFDMA)(CDD) 242-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5955	61	3.11	3.36	6.46	8.10	-	-		2.39	2.58	4.97	6.96	24.00	17.04
6195	61	3.03	3.00	6.03	7.81	-	-		2.33	2.31	4.64	6.67	24.00	17.33
6415	61	3.09	3.18	6.27	7.98	-	-		2.38	2.45	4.83	6.84	24.00	17.16
6435	61	3.16	3.31	6.48	8.11	-	-		2.43	2.55	4.98	6.97	24.00	17.03
6475	61	3.14	3.29	6.43	8.09	-	-		2.42	2.53	4.95	6.95	24.00	17.05
6515	61	3.79	2.91	6.70	8.26	-	-		2.92	2.24	5.15	7.12	24.00	16.88
6535	61	3.94	2.98	6.92	8.40	-	-		3.03	2.29	5.32	7.26	24.00	16.74
6695	61	2.68	2.69	5.37	7.30	-	-		2.06	2.07	4.13	6.16	24.00	17.84
6855	61	2.68	2.23	4.91	6.91	-	-		2.06	1.72	3.78	5.77	24.00	18.23
6875	61	3.04	2.36	5.40	7.33	-	-		2.34	1.82	4.16	6.19	24.00	17.81
6895	61	3.81	2.96	6.77	8.30	-	-		2.93	2.27	5.21	7.16	24.00	16.84
6995	61	3.81	2.96	6.78	8.31	-	-		2.93	2.28	5.21	7.17	24.00	16.83
7095	61	3.28	2.55	5.83	7.65	-	-		2.52	1.96	4.48	6.51	24.00	17.49

Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	5G_CH0						5G_CH1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5955	61	0.00	-17.20	1.95	20.17	-1.14	4.92	3.78	-16.90	2.00	20.16	-1.14	5.26	4.12
6195	61	0.00	-17.35	2.00	20.17	-1.14	4.82	3.68	-17.39	2.00	20.16	-1.14	4.78	3.64
6415	61	0.00	-17.30	2.05	20.16	-1.14	4.91	3.77	-17.15	2.01	20.16	-1.14	5.02	3.88
6435	61	0.00	-17.23	2.07	20.16	-1.14	5.00	3.86	-16.99	2.03	20.16	-1.14	5.20	4.06
6475	61	0.00	-17.28	2.10	20.15	-1.14	4.97	3.83	-17.05	2.06	20.16	-1.14	5.18	4.04
6515	61	0.00	-16.47	2.11	20.15	-1.14	5.79	4.65	-17.59	2.07	20.16	-1.14	4.64	3.50
6535	61	0.00	-16.34	2.14	20.15	-1.14	5.95	4.81	-17.51	2.10	20.16	-1.14	4.75	3.61
6695	61	0.00	-18.04	2.17	20.15	-1.14	4.28	3.14	-17.97	2.10	20.16	-1.14	4.29	3.15
6855	61	0.00	-18.07	2.20	20.15	-1.14	4.28	3.14	-18.78	2.11	20.16	-1.14	3.49	2.35
6875	61	0.00	-17.53	2.21	20.15	-1.14	4.83	3.69	-18.53	2.11	20.16	-1.14	3.74	2.60
6895	61	0.00	-16.58	2.24	20.15	-1.14	5.81	4.67	-17.59	2.14	20.16	-1.14	4.71	3.57
6995	61	0.00	-16.60	2.26	20.15	-1.14	5.81	4.67	-17.58	2.14	20.16	-1.14	4.72	3.58
7095	61	0.00	-17.29	2.29	20.15	-1.14	5.16	4.02	-18.23	2.14	20.16	-1.14	4.06	2.92

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 20, 2024
Temperature / Humidity 25 deg. C / 47 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-20 (OFDMA) 242-tone RU (SDM)

[High Power mode / Standard Power mode]

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

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5955	61	3.19	3.36	6.55	8.16	-	-		2.33	2.58	4.92	6.92	24.00	17.08
6195	61	2.94	3.01	5.95	7.74	-	-		2.15	2.32	4.46	6.49	24.00	17.51
6415	61	3.13	3.27	6.40	8.06	-	-		2.29	2.51	4.80	6.81	24.00	17.19
6435	61	3.11	3.22	6.33	8.01	-	-		2.27	2.47	4.75	6.77	24.00	17.23
6475	61	3.19	3.23	6.43	8.08	-	-		2.33	2.49	4.82	6.83	24.00	17.17
6515	61	4.04	2.94	6.97	8.43	-	-		2.95	2.26	5.21	7.17	24.00	16.83
6535	61	3.97	2.98	6.95	8.42	-	-		2.90	2.29	5.19	7.15	24.00	16.85
6695	61	2.86	2.72	5.58	7.47	-	-		2.09	2.09	4.19	6.22	24.00	17.78
6855	61	2.70	2.22	4.92	6.92	-	-		1.97	1.70	3.68	5.66	24.00	18.34
6875	61	2.99	2.30	5.30	7.24	-	-		2.19	1.77	3.96	5.98	24.00	18.02
6895	61	3.79	2.93	6.72	8.28	-	-		2.77	2.25	5.03	7.01	24.00	16.99
6995	61	3.54	2.75	6.29	7.98	-	-		2.59	2.11	4.70	6.72	24.00	17.28
7095	61	3.30	2.53	5.83	7.65	-	-		2.41	1.94	4.36	6.39	24.00	17.61

Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	5G_CH0						5G_CH1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5955	61	0.00	-17.08	1.95	20.17	-1.36	5.04	3.68	-16.90	2.00	20.16	-1.14	5.26	4.12
6195	61	0.00	-17.49	2.00	20.17	-1.36	4.68	3.32	-17.38	2.00	20.16	-1.14	4.79	3.65
6415	61	0.00	-17.25	2.05	20.16	-1.36	4.96	3.60	-17.03	2.01	20.16	-1.14	5.14	4.00
6435	61	0.00	-17.30	2.07	20.16	-1.36	4.93	3.57	-17.12	2.03	20.16	-1.14	5.07	3.93
6475	61	0.00	-17.21	2.10	20.15	-1.36	5.04	3.68	-17.13	2.06	20.16	-1.14	5.10	3.96
6515	61	0.00	-16.20	2.11	20.15	-1.36	6.06	4.70	-17.55	2.07	20.16	-1.14	4.68	3.54
6535	61	0.00	-16.31	2.14	20.15	-1.36	5.98	4.62	-17.51	2.10	20.16	-1.14	4.75	3.61
6695	61	0.00	-17.76	2.17	20.15	-1.36	4.56	3.20	-17.91	2.10	20.16	-1.14	4.35	3.21
6855	61	0.00	-18.04	2.20	20.15	-1.36	4.31	2.95	-18.81	2.11	20.16	-1.14	3.46	2.32
6875	61	0.00	-17.60	2.21	20.15	-1.36	4.76	3.40	-18.64	2.11	20.16	-1.14	3.63	2.49
6895	61	0.00	-16.60	2.24	20.15	-1.36	5.79	4.43	-17.63	2.14	20.16	-1.14	4.67	3.53
6995	61	0.00	-16.92	2.26	20.15	-1.36	5.49	4.13	-17.91	2.14	20.16	-1.14	4.39	3.25
7095	61	0.00	-17.26	2.29	20.15	-1.36	5.19	3.83	-18.27	2.14	20.16	-1.14	4.02	2.88

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 8, 2024
Temperature / Humidity 20 deg. C / 35 % RH
Engineer Hiromasa Sato
Mode Tx 11ax-40 (OFDM) (CDD)

[High Power mode / Standard Power mode]

11ax-40 (CDD)
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5965	6.67	6.46	13.12	11.18	-	-	5.13	4.97	10.09	10.04	24.00	13.96
6205	6.41	5.70	12.10	10.83	-	-	4.93	4.38	9.31	9.69	24.00	14.31
6405	7.02	6.88	13.89	11.43	-	-	5.40	5.29	10.69	10.29	24.00	13.71
6445	5.20	5.09	10.29	10.12	-	-	4.00	3.91	7.92	8.98	24.00	15.02
6485	6.24	5.11	11.35	10.55	-	-	4.80	3.93	8.73	9.41	24.00	14.59
6525	6.09	4.61	10.70	10.29	-	-	4.68	3.55	8.23	9.15	24.00	14.85
6565	7.65	5.91	13.57	11.32	-	-	5.89	4.55	10.43	10.18	24.00	13.82
6685	6.86	5.42	12.28	10.89	-	-	5.27	4.17	9.44	9.75	24.00	14.25
6845	6.46	4.57	11.03	10.43	-	-	4.97	3.51	8.48	9.29	24.00	14.71
6885	7.55	5.62	13.16	11.19	-	-	5.80	4.32	10.13	10.05	24.00	13.95
6925	7.31	5.45	12.76	11.06	-	-	5.62	4.20	9.82	9.92	24.00	14.08
7005	6.76	5.32	12.08	10.82	-	-	5.20	4.09	9.29	9.68	24.00	14.32
7085	6.37	4.81	11.18	10.49	-	-	4.90	3.70	8.60	9.35	24.00	14.65

5G_CH0						5G_CH1							
Tested Frequency	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
5965	0.00	-13.92	2.00	20.16	-1.14	8.24	7.10	-14.06	2.00	20.16	-1.14	8.10	6.96
6205	0.00	-14.10	2.00	20.16	-1.14	8.07	6.93	-14.61	2.00	20.16	-1.14	7.56	6.42
6405	0.00	-13.71	2.01	20.16	-1.14	8.46	7.32	-13.80	2.01	20.16	-1.14	8.37	7.23
6445	0.00	-15.03	2.03	20.16	-1.14	7.16	6.02	-15.13	2.03	20.16	-1.14	7.06	5.92
6485	0.00	-14.28	2.07	20.16	-1.14	7.95	6.81	-15.15	2.07	20.16	-1.14	7.08	5.94
6525	0.00	-14.38	2.07	20.16	-1.14	7.85	6.71	-15.59	2.07	20.16	-1.14	6.64	5.50
6565	0.00	-13.42	2.10	20.16	-1.14	8.84	7.70	-14.54	2.10	20.16	-1.14	7.72	6.58
6685	0.00	-13.90	2.10	20.16	-1.14	8.36	7.22	-14.92	2.10	20.16	-1.14	7.34	6.20
6845	0.00	-14.16	2.11	20.16	-1.14	8.11	6.97	-15.67	2.11	20.16	-1.14	6.60	5.46
6885	0.00	-13.49	2.11	20.16	-1.14	8.78	7.64	-14.77	2.11	20.16	-1.14	7.50	6.36
6925	0.00	-13.66	2.14	20.16	-1.14	8.64	7.50	-14.93	2.14	20.16	-1.14	7.37	6.23
7005	0.00	-14.00	2.14	20.16	-1.14	8.30	7.16	-15.04	2.14	20.16	-1.14	7.26	6.12
7085	0.00	-14.25	2.14	20.16	-1.14	8.04	6.90	-15.47	2.14	20.16	-1.14	6.82	5.68

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 8, 2024
Temperature / Humidity 20 deg. C / 35 % RH
Engineer Hiromasa Sato
Mode Tx 11ax-40 (OFDM) (SDM)

[High Power mode / Standard Power mode]

11ax-40 (SDM)

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5965	6.89	6.64	13.52	11.31	-	-	5.03	5.10	10.14	10.06	24.00	13.94
6205	6.53	6.01	12.53	10.98	-	-	4.77	4.62	9.39	9.73	24.00	14.27
6405	6.92	6.81	13.73	11.38	-	-	5.06	5.24	10.30	10.13	24.00	13.87
6445	5.87	6.10	11.97	10.78	-	-	4.29	4.69	8.98	9.53	24.00	14.47
6485	6.90	6.18	13.09	11.17	-	-	5.05	4.75	9.80	9.91	24.00	14.09
6525	6.83	5.37	12.20	10.86	-	-	5.00	4.13	9.12	9.60	24.00	14.40
6565	7.64	6.44	14.07	11.48	-	-	5.58	4.95	10.53	10.23	24.00	13.77
6685	6.76	5.68	12.44	10.95	-	-	4.94	4.37	9.31	9.69	24.00	14.31
6845	5.98	4.80	10.78	10.33	-	-	4.37	3.69	8.07	9.07	24.00	14.93
6885	7.27	5.62	12.89	11.10	-	-	5.32	4.32	9.64	9.84	24.00	14.16
6925	7.12	5.48	12.60	11.01	-	-	5.21	4.21	9.42	9.74	24.00	14.26
7005	6.97	5.14	12.11	10.83	-	-	5.09	3.95	9.05	9.56	24.00	14.44
7085	6.45	4.78	11.22	10.50	-	-	4.71	3.68	8.39	9.24	24.00	14.76

		5G_CH0					5G_CH1						
Tested Frequency	Duty Factor	Power Meter	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter	Cable Loss	Atten. Loss	Antenna Gain	Result	
	*1)	Reading				Cond. Power	e.i.r.p.	Reading				Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5965	0.00	-13.78	2.00	20.16	-1.36	8.38	7.02	-13.94	2.00	20.16	-1.14	8.22	7.08
6205	0.00	-14.02	2.00	20.16	-1.36	8.15	6.79	-14.38	2.00	20.16	-1.14	7.79	6.65
6405	0.00	-13.77	2.01	20.16	-1.36	8.40	7.04	-13.84	2.01	20.16	-1.14	8.33	7.19
6445	0.00	-14.51	2.03	20.16	-1.36	7.68	6.32	-14.34	2.03	20.16	-1.14	7.85	6.71
6485	0.00	-13.84	2.07	20.16	-1.36	8.39	7.03	-14.32	2.07	20.16	-1.14	7.91	6.77
6525	0.00	-13.88	2.07	20.16	-1.36	8.35	6.99	-14.93	2.07	20.16	-1.14	7.30	6.16
6565	0.00	-13.43	2.10	20.16	-1.36	8.83	7.47	-14.17	2.10	20.16	-1.14	8.09	6.95
6685	0.00	-13.96	2.10	20.16	-1.36	8.30	6.94	-14.72	2.10	20.16	-1.14	7.54	6.40
6845	0.00	-14.50	2.11	20.16	-1.36	7.77	6.41	-15.45	2.11	20.16	-1.14	6.82	5.68
6885	0.00	-13.65	2.11	20.16	-1.36	8.62	7.26	-14.77	2.11	20.16	-1.14	7.50	6.36
6925	0.00	-13.77	2.14	20.16	-1.36	8.53	7.17	-14.91	2.14	20.16	-1.14	7.39	6.25
7005	0.00	-13.87	2.14	20.16	-1.36	8.43	7.07	-15.19	2.14	20.16	-1.14	7.11	5.97
7085	0.00	-14.20	2.14	20.16	-1.36	8.09	6.73	-15.50	2.14	20.16	-1.14	6.79	5.65

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 27, 2024
Temperature / Humidity 25 deg. C / 41 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-40 (OFDMA) 26-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(CDD) 26-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				
5965	0	0.38	0.31	0.69	-1.60	-	-	0.29	0.24	0.53	-2.74	24.00	26.74	
	8	0.36	0.30	0.66	-1.81	-	-	0.28	0.23	0.51	-2.95	24.00	26.95	
	17	0.37	0.32	0.70	-1.57	-	-	0.29	0.25	0.54	-2.71	24.00	26.71	
6205	0	0.36	0.30	0.66	-1.80	-	-	0.28	0.23	0.51	-2.94	24.00	26.94	
	8	0.34	0.29	0.64	-1.96	-	-	0.26	0.23	0.49	-3.10	24.00	27.10	
	17	0.37	0.31	0.68	-1.65	-	-	0.29	0.24	0.53	-2.79	24.00	26.79	
6405	0	0.38	0.30	0.68	-1.67	-	-	0.29	0.23	0.52	-2.81	24.00	26.81	
	8	0.36	0.29	0.65	-1.89	-	-	0.28	0.22	0.50	-3.03	24.00	27.03	
	17	0.38	0.31	0.69	-1.64	-	-	0.29	0.24	0.53	-2.78	24.00	26.78	
6445	0	0.40	0.28	0.68	-1.67	-	-	0.31	0.22	0.52	-2.81	24.00	26.81	
	8	0.37	0.27	0.64	-1.93	-	-	0.29	0.21	0.49	-3.07	24.00	27.07	
	17	0.38	0.27	0.65	-1.86	-	-	0.29	0.21	0.50	-3.00	24.00	27.00	
6485	0	0.37	0.27	0.63	-1.98	-	-	0.28	0.20	0.49	-3.12	24.00	27.12	
	8	0.35	0.25	0.60	-2.22	-	-	0.27	0.19	0.46	-3.36	24.00	27.36	
	17	0.36	0.26	0.62	-2.11	-	-	0.28	0.20	0.47	-3.25	24.00	27.25	
6525	0	0.36	0.24	0.60	-2.25	-	-	0.27	0.18	0.46	-3.39	24.00	27.39	
	8	0.35	0.22	0.57	-2.44	-	-	0.27	0.17	0.44	-3.58	24.00	27.58	
	17	0.36	0.23	0.59	-2.30	-	-	0.27	0.18	0.45	-3.44	24.00	27.44	

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm] e.i.r.p. [dBm]		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm] e.i.r.p. [dBm]	
[MHz]														
5965	0	0.00	-6.15	1.95	0.00	-1.14	-4.20	-5.34	-7.06	1.98	0.00	-1.14	-5.08	-6.22
	8	0.00	-6.41	1.95	0.00	-1.14	-4.46	-5.60	-7.19	1.98	0.00	-1.14	-5.21	-6.35
	17	0.00	-6.24	1.95	0.00	-1.14	-4.29	-5.43	-6.87	1.98	0.00	-1.14	-4.89	-6.03
6205	0	0.00	-6.46	2.01	0.00	-1.14	-4.45	-5.59	-7.18	1.99	0.00	-1.14	-5.19	-6.33
	8	0.00	-6.65	2.01	0.00	-1.14	-4.64	-5.78	-7.31	1.99	0.00	-1.14	-5.32	-6.46
	17	0.00	-6.28	2.01	0.00	-1.14	-4.27	-5.41	-7.07	1.99	0.00	-1.14	-5.08	-6.22
6405	0	0.00	-6.30	2.05	0.00	-1.14	-4.25	-5.39	-7.16	2.00	0.00	-1.14	-5.16	-6.30
	8	0.00	-6.51	2.05	0.00	-1.14	-4.46	-5.60	-7.40	2.00	0.00	-1.14	-5.40	-6.54
	17	0.00	-6.26	2.05	0.00	-1.14	-4.21	-5.35	-7.13	2.00	0.00	-1.14	-5.13	-6.27
6445	0	0.00	-6.07	2.08	0.00	-1.14	-3.99	-5.13	-7.52	2.02	0.00	-1.14	-5.50	-6.64
	8	0.00	-6.39	2.08	0.00	-1.14	-4.31	-5.45	-7.69	2.02	0.00	-1.14	-5.67	-6.81
	17	0.00	-6.31	2.08	0.00	-1.14	-4.23	-5.37	-7.63	2.02	0.00	-1.14	-5.61	-6.75
6485	0	0.00	-6.44	2.11	0.00	-1.14	-4.33	-5.47	-7.82	2.06	0.00	-1.14	-5.76	-6.90
	8	0.00	-6.68	2.11	0.00	-1.14	-4.57	-5.71	-8.06	2.06	0.00	-1.14	-6.00	-7.14
	17	0.00	-6.56	2.11	0.00	-1.14	-4.45	-5.59	-7.97	2.06	0.00	-1.14	-5.91	-7.05
6525	0	0.00	-6.59	2.11	0.00	-1.14	-4.48	-5.62	-8.27	2.05	0.00	-1.14	-6.22	-7.36
	8	0.00	-6.71	2.11	0.00	-1.14	-4.60	-5.74	-8.56	2.05	0.00	-1.14	-6.51	-7.65
	17	0.00	-6.58	2.11	0.00	-1.14	-4.47	-5.61	-8.42	2.05	0.00	-1.14	-6.37	-7.51

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 27, 2024
Temperature / Humidity 25 deg. C / 41 % RH
Engineer Takayuki Kobayashi
Mode Tx 11ax-40 (OFDMA) 26-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(CDD) 26-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				
6565	0	0.38	0.25	0.63	-1.99	-	-		0.29	0.32	0.62	-2.09	24.00	26.09	
	8	0.36	0.23	0.59	-2.27	-	-		0.28	0.30	0.58	-2.37	24.00	26.37	
	17	0.36	0.24	0.60	-2.25	-	-		0.28	0.31	0.58	-2.34	24.00	26.34	
6685	0	0.37	0.23	0.60	-2.24	-	-		0.28	0.30	0.58	-2.36	24.00	26.36	
	8	0.32	0.19	0.51	-2.92	-	-		0.25	0.25	0.50	-3.05	24.00	27.05	
	17	0.36	0.21	0.57	-2.41	-	-		0.28	0.28	0.56	-2.55	24.00	26.55	
6845	0	0.34	0.21	0.55	-2.57	-	-		0.26	0.27	0.54	-2.70	24.00	26.70	
	8	0.32	0.19	0.51	-2.92	-	-		0.25	0.25	0.49	-3.07	24.00	27.07	
	17	0.22	0.13	0.35	-4.59	-	-		0.17	0.16	0.33	-4.75	24.00	28.75	
6885	0	0.45	0.25	0.70	-1.57	-	-		0.34	0.32	0.67	-1.76	24.00	25.76	
	8	0.43	0.24	0.68	-1.70	-	-		0.33	0.31	0.65	-1.88	24.00	25.88	
	17	0.44	0.25	0.69	-1.62	-	-		0.34	0.33	0.66	-1.78	24.00	25.78	
6925	0	0.41	0.23	0.64	-1.91	-	-		0.32	0.30	0.62	-2.09	24.00	26.09	
	8	0.41	0.22	0.63	-1.99	-	-		0.31	0.29	0.61	-2.18	24.00	26.18	
	17	0.41	0.23	0.64	-1.93	-	-		0.31	0.30	0.62	-2.09	24.00	26.09	
7005	0	0.36	0.20	0.55	-2.56	-	-		0.27	0.26	0.53	-2.74	24.00	26.74	
	8	0.34	0.19	0.53	-2.77	-	-		0.26	0.25	0.51	-2.94	24.00	26.94	
	17	0.34	0.19	0.53	-2.75	-	-		0.26	0.25	0.51	-2.93	24.00	26.93	
7085	0	0.31	0.17	0.47	-3.25	-	-		0.24	0.22	0.45	-3.45	24.00	27.45	
	8	0.30	0.16	0.46	-3.41	-	-		0.23	0.21	0.43	-3.62	24.00	27.62	
	17	0.30	0.16	0.46	-3.39	-	-		0.23	0.21	0.44	-3.59	24.00	27.59	

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
6565	0	0.00	-6.32	2.15	0.00	-1.14	-4.17	-5.31		-8.12	2.09	0.00	1.14	-6.03	-4.89
	8	0.00	-6.57	2.15	0.00	-1.14	-4.42	-5.56		-8.44	2.09	0.00	1.14	-6.35	-5.21
	17	0.00	-6.60	2.15	0.00	-1.14	-4.45	-5.59		-8.34	2.09	0.00	1.14	-6.25	-5.11
6685	0	0.00	-6.54	2.17	0.00	-1.14	-4.37	-5.51		-8.46	2.09	0.00	1.14	-6.37	-5.23
	8	0.00	-7.14	2.17	0.00	-1.14	-4.97	-6.11		-9.25	2.09	0.00	1.14	-7.16	-6.02
	17	0.00	-6.60	2.17	0.00	-1.14	-4.43	-5.57		-8.79	2.09	0.00	1.14	-6.70	-5.56
6845	0	0.00	-6.85	2.20	0.00	-1.14	-4.65	-5.79		-8.88	2.10	0.00	1.14	-6.78	-5.64
	8	0.00	-7.14	2.20	0.00	-1.14	-4.94	-6.08		-9.32	2.10	0.00	1.14	-7.22	-6.08
	17	0.00	-8.75	2.20	0.00	-1.14	-6.55	-7.69		-11.08	2.10	0.00	1.14	-8.98	-7.84
6885	0	0.00	-5.70	2.21	0.00	-1.14	-3.49	-4.63		-8.15	2.10	0.00	1.14	-6.05	-4.91
	8	0.00	-5.84	2.21	0.00	-1.14	-3.63	-4.77		-8.26	2.10	0.00	1.14	-6.16	-5.02
	17	0.00	-5.81	2.21	0.00	-1.14	-3.60	-4.74		-8.09	2.10	0.00	1.14	-5.99	-4.85
6925	0	0.00	-6.08	2.25	0.00	-1.14	-3.83	-4.97		-8.50	2.13	0.00	1.14	-6.37	-5.23
	8	0.00	-6.14	2.25	0.00	-1.14	-3.89	-5.03		-8.62	2.13	0.00	1.14	-6.49	-5.35
	17	0.00	-6.16	2.25	0.00	-1.14	-3.91	-5.05		-8.43	2.13	0.00	1.14	-6.30	-5.16
7005	0	0.00	-6.75	2.26	0.00	-1.14	-4.49	-5.63		-9.16	2.14	0.00	1.14	-7.02	-5.88
	8	0.00	-6.98	2.26	0.00	-1.14	-4.72	-5.86		-9.33	2.14	0.00	1.14	-7.19	-6.05
	17	0.00	-6.93	2.26	0.00	-1.14	-4.67	-5.81		-9.35	2.14	0.00	1.14	-7.21	-6.07
7085	0	0.00	-7.42	2.29	0.00	-1.14	-5.13	-6.27		-9.93	2.13	0.00	1.14	-7.80	-6.66
	8	0.00	-7.57	2.29	0.00	-1.14	-5.28	-6.42		-10.12	2.13	0.00	1.14	-7.99	-6.85
	17	0.00	-7.53	2.29	0.00	-1.14	-5.24	-6.38		-10.11	2.13	0.00	1.14	-7.98	-6.84

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 13, 2024
Temperature / Humidity 24 deg. C / 48 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 26-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(SDM) 26-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				
5965	0	0.33	0.28	0.62	-2.10	-	-	0.24	0.22	0.46	-3.36	24.00	27.36		
	8	0.33	0.27	0.60	-2.21	-	-	0.24	0.21	0.45	-3.47	24.00	27.47		
	17	0.34	0.28	0.62	-2.06	-	-	0.25	0.22	0.47	-3.32	24.00	27.32		
6205	0	0.33	0.27	0.59	-2.27	-	-	0.24	0.21	0.44	-3.53	24.00	27.53		
	8	0.31	0.26	0.57	-2.43	-	-	0.23	0.20	0.43	-3.68	24.00	27.68		
	17	0.34	0.27	0.61	-2.16	-	-	0.25	0.21	0.45	-3.42	24.00	27.42		
6405	0	0.33	0.27	0.60	-2.21	-	-	0.24	0.21	0.45	-3.47	24.00	27.47		
	8	0.32	0.26	0.58	-2.35	-	-	0.24	0.20	0.44	-3.61	24.00	27.61		
	17	0.34	0.26	0.61	-2.17	-	-	0.25	0.20	0.45	-3.44	24.00	27.44		
6445	0	0.36	0.27	0.63	-1.99	-	-	0.26	0.21	0.47	-3.25	24.00	27.25		
	8	0.34	0.25	0.59	-2.28	-	-	0.25	0.19	0.44	-3.55	24.00	27.55		
	17	0.35	0.26	0.61	-2.16	-	-	0.26	0.20	0.45	-3.43	24.00	27.43		
6485	0	0.35	0.26	0.61	-2.16	-	-	0.26	0.20	0.45	-3.42	24.00	27.42		
	8	0.32	0.23	0.55	-2.56	-	-	0.24	0.18	0.41	-3.83	24.00	27.83		
	17	0.33	0.24	0.57	-2.47	-	-	0.24	0.18	0.42	-3.74	24.00	27.74		
6525	0	0.34	0.22	0.57	-2.48	-	-	0.25	0.17	0.42	-3.75	24.00	27.75		
	8	0.31	0.20	0.51	-2.90	-	-	0.23	0.15	0.38	-4.17	24.00	28.17		
	17	0.32	0.20	0.52	-2.88	-	-	0.23	0.15	0.38	-4.15	24.00	28.15		

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		e.i.r.p. [dBm]
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]	
5965	0	0.00	-6.75	1.95	0.00	-1.36	-4.80	-6.16	-7.45	2.00	0.00	-1.14	-5.45	-6.59	
	8	0.00	-6.77	1.95	0.00	-1.36	-4.82	-6.18	-7.67	2.00	0.00	-1.14	-5.67	-6.81	
	17	0.00	-6.68	1.95	0.00	-1.36	-4.73	-6.09	-7.45	2.00	0.00	-1.14	-5.45	-6.59	
6205	0	0.00	-6.87	2.01	0.00	-1.36	-4.86	-6.22	-7.74	2.00	0.00	-1.14	-5.74	-6.88	
	8	0.00	-7.05	2.01	0.00	-1.36	-5.04	-6.40	-7.87	2.00	0.00	-1.14	-5.87	-7.01	
	17	0.00	-6.73	2.01	0.00	-1.36	-4.72	-6.08	-7.68	2.00	0.00	-1.14	-5.68	-6.82	
6405	0	0.00	-6.80	2.05	0.00	-1.36	-4.75	-6.11	-7.75	2.01	0.00	-1.14	-5.74	-6.88	
	8	0.00	-6.95	2.05	0.00	-1.36	-4.90	-6.26	-7.88	2.01	0.00	-1.14	-5.87	-7.01	
	17	0.00	-6.71	2.05	0.00	-1.36	-4.66	-6.02	-7.79	2.01	0.00	-1.14	-5.78	-6.92	
6445	0	0.00	-6.49	2.08	0.00	-1.36	-4.41	-5.77	-7.71	2.03	0.00	-1.14	-5.68	-6.82	
	8	0.00	-6.77	2.08	0.00	-1.36	-4.69	-6.05	-8.02	2.03	0.00	-1.14	-5.99	-7.13	
	17	0.00	-6.65	2.08	0.00	-1.36	-4.57	-5.93	-7.91	2.03	0.00	-1.14	-5.88	-7.02	
6485	0	0.00	-6.67	2.11	0.00	-1.36	-4.56	-5.92	-7.95	2.07	0.00	-1.14	-5.88	-7.02	
	8	0.00	-7.02	2.11	0.00	-1.36	-4.91	-6.27	-8.43	2.07	0.00	-1.14	-6.36	-7.50	
	17	0.00	-6.94	2.11	0.00	-1.36	-4.83	-6.19	-8.32	2.07	0.00	-1.14	-6.25	-7.39	
6525	0	0.00	-6.77	2.11	0.00	-1.36	-4.66	-6.02	-8.58	2.07	0.00	-1.14	-6.51	-7.65	
	8	0.00	-7.15	2.11	0.00	-1.36	-5.04	-6.40	-9.06	2.07	0.00	-1.14	-6.99	-8.13	
	17	0.00	-7.12	2.11	0.00	-1.36	-5.01	-6.37	-9.06	2.07	0.00	-1.14	-6.99	-8.13	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 13, 2024
Temperature / Humidity 24 deg. C / 48 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 26-tone RU (SDM)

[High Power mode / Standard Power mode]

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

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna	Antenna	Sum	Result	Limit	Margin		Antenna	Antenna	Sum	Result	Limit	Margin	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	
6565	0	0.40	0.26	0.66	-1.78	-	-		0.29	0.20	0.50	-3.05	24.00	27.05	
	8	0.38	0.25	0.62	-2.05	-	-		0.28	0.19	0.47	-3.32	24.00	27.32	
	17	0.37	0.24	0.62	-2.10	-	-		0.27	0.19	0.46	-3.37	24.00	27.37	
6685	0	0.40	0.23	0.63	-2.03	-	-		0.29	0.18	0.47	-3.31	24.00	27.31	
	8	0.37	0.22	0.58	-2.33	-	-		0.27	0.17	0.44	-3.61	24.00	27.61	
	17	0.37	0.22	0.59	-2.30	-	-		0.27	0.17	0.44	-3.58	24.00	27.58	
6845	0	0.36	0.21	0.57	-2.41	-	-		0.26	0.16	0.43	-3.69	24.00	27.69	
	8	0.33	0.19	0.52	-2.80	-	-		0.24	0.15	0.39	-4.08	24.00	28.08	
	17	0.34	0.20	0.54	-2.70	-	-		0.25	0.15	0.40	-3.98	24.00	27.98	
6885	0	0.42	0.23	0.65	-1.87	-	-		0.31	0.18	0.48	-3.15	24.00	27.15	
	8	0.38	0.21	0.59	-2.28	-	-		0.28	0.17	0.44	-3.56	24.00	27.56	
	17	0.40	0.22	0.62	-2.06	-	-		0.29	0.17	0.46	-3.34	24.00	27.34	
6925	0	0.39	0.22	0.61	-2.14	-	-		0.29	0.17	0.46	-3.42	24.00	27.42	
	8	0.36	0.20	0.57	-2.47	-	-		0.26	0.16	0.42	-3.75	24.00	27.75	
	17	0.37	0.21	0.57	-2.41	-	-		0.27	0.16	0.43	-3.69	24.00	27.69	
7005	0	0.33	0.18	0.51	-2.89	-	-		0.24	0.14	0.38	-4.17	24.00	28.17	
	8	0.30	0.17	0.47	-3.28	-	-		0.22	0.13	0.35	-4.56	24.00	28.56	
	17	0.31	0.17	0.48	-3.19	-	-		0.23	0.13	0.36	-4.47	24.00	28.47	
7085	0	0.29	0.15	0.44	-3.57	-	-		0.21	0.11	0.33	-4.85	24.00	28.85	
	8	0.27	0.15	0.41	-3.87	-	-		0.19	0.11	0.31	-5.15	24.00	29.15	
	17	0.26	0.15	0.41	-3.89	-	-		0.19	0.11	0.30	-5.17	24.00	29.17	

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	
6565	0	0.00	-6.10	2.15	0.00	-1.36	-3.95	-5.31	-7.91	2.09	0.00	-1.14	-5.82	-6.96	
	8	0.00	-6.37	2.15	0.00	-1.36	-4.22	-5.58	-8.18	2.09	0.00	-1.14	-6.09	-7.23	
	17	0.00	-6.41	2.15	0.00	-1.36	-4.26	-5.62	-8.25	2.09	0.00	-1.14	-6.16	-7.30	
6685	0	0.00	-6.20	2.17	0.00	-1.36	-4.03	-5.39	-8.45	2.09	0.00	-1.14	-6.36	-7.50	
	8	0.00	-6.51	2.17	0.00	-1.36	-4.34	-5.70	-8.75	2.09	0.00	-1.14	-6.66	-7.80	
	17	0.00	-6.53	2.17	0.00	-1.36	-4.36	-5.72	-8.63	2.09	0.00	-1.14	-6.54	-7.68	
6845	0	0.00	-6.63	2.20	0.00	-1.36	-4.43	-5.79	-8.82	2.10	0.00	-1.14	-6.72	-7.86	
	8	0.00	-6.99	2.20	0.00	-1.36	-4.79	-6.15	-9.25	2.10	0.00	-1.14	-7.15	-8.29	
	17	0.00	-6.87	2.20	0.00	-1.36	-4.67	-6.03	-9.18	2.10	0.00	-1.14	-7.08	-8.22	
6885	0	0.00	-5.99	2.21	0.00	-1.36	-3.78	-5.14	-8.47	2.10	0.00	-1.14	-6.37	-7.51	
	8	0.00	-6.45	2.21	0.00	-1.36	-4.24	-5.60	-8.78	2.10	0.00	-1.14	-6.68	-7.82	
	17	0.00	-6.18	2.21	0.00	-1.36	-3.97	-5.33	-8.65	2.10	0.00	-1.14	-6.55	-7.69	
6925	0	0.00	-6.32	2.25	0.00	-1.36	-4.07	-5.43	-8.71	2.13	0.00	-1.14	-6.58	-7.72	
	8	0.00	-6.66	2.25	0.00	-1.36	-4.41	-5.77	-9.04	2.13	0.00	-1.14	-6.91	-8.05	
	17	0.00	-6.60	2.25	0.00	-1.36	-4.35	-5.71	-8.97	2.13	0.00	-1.14	-6.84	-7.98	
7005	0	0.00	-7.06	2.26	0.00	-1.36	-4.80	-6.16	-9.51	2.14	0.00	-1.14	-7.37	-8.51	
	8	0.00	-7.45	2.26	0.00	-1.36	-5.19	-6.55	-9.90	2.14	0.00	-1.14	-7.76	-8.90	
	17	0.00	-7.30	2.26	0.00	-1.36	-5.04	-6.40	-9.92	2.14	0.00	-1.14	-7.78	-8.92	
7085	0	0.00	-7.66	2.29	0.00	-1.36	-5.37	-6.73	-10.40	2.13	0.00	-1.14	-8.27	-9.41	
	8	0.00	-8.06	2.29	0.00	-1.36	-5.77	-7.13	-10.50	2.13	0.00	-1.14	-8.37	-9.51	
	17	0.00	-8.10	2.29	0.00	-1.36	-5.81	-7.17	-10.49	2.13	0.00	-1.14	-8.36	-9.50	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 7, 2024
Temperature / Humidity 27 deg. C / 40 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 52-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(CDD) 52-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5965	37	0.74	0.63	1.37	1.36	-	-	0.57	0.48	1.05	0.22	24.00	23.78
	40	0.69	0.62	1.31	1.17	-	-	0.53	0.47	1.01	0.03	24.00	23.97
	44	0.72	0.65	1.37	1.37	-	-	0.56	0.50	1.05	0.23	24.00	23.77
6205	37	0.69	0.57	1.26	1.01	-	-	0.53	0.44	0.97	-0.13	24.00	24.13
	40	0.66	0.55	1.22	0.85	-	-	0.51	0.42	0.93	-0.29	24.00	24.29
	44	0.73	0.58	1.30	1.14	-	-	0.56	0.44	1.00	0.00	24.00	24.00
6405	37	0.77	0.61	1.38	1.41	-	-	0.60	0.47	1.06	0.27	24.00	23.73
	40	0.73	0.57	1.31	1.16	-	-	0.56	0.44	1.00	0.02	24.00	23.98
	44	0.77	0.61	1.37	1.38	-	-	0.59	0.47	1.06	0.24	24.00	23.76
6445	37	0.73	0.55	1.28	1.07	-	-	0.56	0.42	0.98	-0.07	24.00	24.07
	40	0.67	0.52	1.20	0.78	-	-	0.52	0.40	0.92	-0.36	24.00	24.36
	44	0.68	0.52	1.20	0.79	-	-	0.52	0.40	0.92	-0.35	24.00	24.35
6485	37	0.68	0.51	1.19	0.76	-	-	0.52	0.39	0.92	-0.38	24.00	24.38
	40	0.64	0.49	1.13	0.55	-	-	0.50	0.38	0.87	-0.59	24.00	24.59
	44	0.64	0.50	1.14	0.57	-	-	0.50	0.38	0.88	-0.57	24.00	24.57
6525	37	0.67	0.45	1.12	0.48	-	-	0.52	0.34	0.86	-0.66	24.00	24.66
	40	0.64	0.42	1.06	0.25	-	-	0.49	0.33	0.81	-0.89	24.00	24.89
	44	0.65	0.43	1.08	0.34	-	-	0.50	0.33	0.83	-0.80	24.00	24.80

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
5965	37	0.00	-3.26	1.95	0.00	-1.14	-1.31	-2.45	-4.00	1.98	0.00	-1.14	-2.02	-3.16
	40	0.00	-3.54	1.95	0.00	-1.14	-1.59	-2.73	-4.09	1.98	0.00	-1.14	-2.11	-3.25
	44	0.00	-3.36	1.95	0.00	-1.14	-1.41	-2.55	-3.87	1.98	0.00	-1.14	-1.89	-3.03
6205	37	0.00	-3.63	2.01	0.00	-1.14	-1.62	-2.76	-4.41	1.99	0.00	-1.14	-2.42	-3.56
	40	0.00	-3.79	2.01	0.00	-1.14	-1.78	-2.92	-4.57	1.99	0.00	-1.14	-2.58	-3.72
	44	0.00	-3.40	2.01	0.00	-1.14	-1.39	-2.53	-4.39	1.99	0.00	-1.14	-2.40	-3.54
6405	37	0.00	-3.16	2.05	0.00	-1.14	-1.11	-2.25	-4.15	2.00	0.00	-1.14	-2.15	-3.29
	40	0.00	-3.41	2.05	0.00	-1.14	-1.36	-2.50	-4.41	2.00	0.00	-1.14	-2.41	-3.55
	44	0.00	-3.20	2.05	0.00	-1.14	-1.15	-2.29	-4.18	2.00	0.00	-1.14	-2.18	-3.32
6445	37	0.00	-3.43	2.08	0.00	-1.14	-1.35	-2.49	-4.65	2.02	0.00	-1.14	-2.63	-3.77
	40	0.00	-3.79	2.08	0.00	-1.14	-1.71	-2.85	-4.84	2.02	0.00	-1.14	-2.82	-3.96
	44	0.00	-3.78	2.08	0.00	-1.14	-1.70	-2.84	-4.83	2.02	0.00	-1.14	-2.81	-3.95
6485	37	0.00	-3.78	2.11	0.00	-1.14	-1.67	-2.81	-4.97	2.06	0.00	-1.14	-2.91	-4.05
	40	0.00	-4.02	2.11	0.00	-1.14	-1.91	-3.05	-5.16	2.06	0.00	-1.14	-3.10	-4.24
	44	0.00	-4.02	2.11	0.00	-1.14	-1.91	-3.05	-5.10	2.06	0.00	-1.14	-3.04	-4.18
6525	37	0.00	-3.84	2.11	0.00	-1.14	-1.73	-2.87	-5.56	2.05	0.00	-1.14	-3.51	-4.65
	40	0.00	-4.08	2.11	0.00	-1.14	-1.97	-3.11	-5.79	2.05	0.00	-1.14	-3.74	-4.88
	44	0.00	-3.98	2.11	0.00	-1.14	-1.87	-3.01	-5.72	2.05	0.00	-1.14	-3.67	-4.81

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 7, 2024
Temperature / Humidity 27 deg. C / 40 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 52-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(CDD) 52-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	
6565	37	0.80	0.52	1.32	1.20	-	-		0.62	0.40	1.01	0.06	24.00	23.94	
	40	0.75	0.48	1.24	0.93	-	-		0.58	0.37	0.95	-0.21	24.00	24.21	
	44	0.76	0.48	1.24	0.93	-	-		0.58	0.37	0.95	-0.21	24.00	24.21	
6685	37	0.76	0.47	1.22	0.88	-	-		0.58	0.36	0.94	-0.26	24.00	24.26	
	40	0.72	0.44	1.16	0.64	-	-		0.55	0.34	0.89	-0.50	24.00	24.50	
	44	0.74	0.44	1.19	0.74	-	-		0.57	0.34	0.91	-0.40	24.00	24.40	
6845	37	0.73	0.43	1.16	0.64	-	-		0.56	0.33	0.89	-0.50	24.00	24.50	
	40	0.65	0.40	1.05	0.23	-	-		0.50	0.31	0.81	-0.91	24.00	24.91	
	44	0.66	0.40	1.06	0.27	-	-		0.51	0.31	0.82	-0.87	24.00	24.87	
6885	37	0.87	0.47	1.34	1.28	-	-		0.67	0.36	1.03	0.14	24.00	23.86	
	40	0.81	0.45	1.26	0.99	-	-		0.62	0.34	0.97	-0.15	24.00	24.15	
	44	0.81	0.44	1.26	0.99	-	-		0.63	0.34	0.97	-0.15	24.00	24.15	
6925	37	0.80	0.44	1.24	0.93	-	-		0.62	0.34	0.95	-0.21	24.00	24.21	
	40	0.74	0.42	1.16	0.65	-	-		0.57	0.32	0.89	-0.49	24.00	24.49	
	44	0.76	0.42	1.18	0.72	-	-		0.58	0.32	0.91	-0.42	24.00	24.42	
7005	37	0.68	0.37	1.05	0.20	-	-		0.52	0.28	0.81	-0.94	24.00	24.94	
	40	0.64	0.36	1.00	-0.01	-	-		0.49	0.27	0.77	-1.15	24.00	25.15	
	44	0.63	0.35	0.98	-0.07	-	-		0.49	0.27	0.76	-1.21	24.00	25.21	
7085	37	0.59	0.31	0.90	-0.46	-	-		0.46	0.24	0.69	-1.60	24.00	25.60	
	40	0.55	0.29	0.84	-0.75	-	-		0.42	0.23	0.65	-1.89	24.00	25.89	
	44	0.54	0.29	0.83	-0.81	-	-		0.42	0.22	0.64	-1.95	24.00	25.95	

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1 [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	
6565	37	0.00	-3.12	2.15	0.00	-1.14	-0.97	-2.11	-4.94	2.09	0.00	-1.14	-2.85	-3.99	
	40	0.00	-3.37	2.15	0.00	-1.14	-1.22	-2.36	-5.25	2.09	0.00	-1.14	-3.16	-4.30	
	44	0.00	-3.35	2.15	0.00	-1.14	-1.20	-2.34	-5.27	2.09	0.00	-1.14	-3.18	-4.32	
6685	37	0.00	-3.38	2.17	0.00	-1.14	-1.21	-2.35	-5.40	2.09	0.00	-1.14	-3.31	-4.45	
	40	0.00	-3.62	2.17	0.00	-1.14	-1.45	-2.59	-5.63	2.09	0.00	-1.14	-3.54	-4.68	
	44	0.00	-3.47	2.17	0.00	-1.14	-1.30	-2.44	-5.61	2.09	0.00	-1.14	-3.52	-4.66	
6845	37	0.00	-3.55	2.20	0.00	-1.14	-1.35	-2.49	-5.81	2.10	0.00	-1.14	-3.71	-4.85	
	40	0.00	-4.05	2.20	0.00	-1.14	-1.85	-2.99	-6.07	2.10	0.00	-1.14	-3.97	-5.11	
	44	0.00	-4.00	2.20	0.00	-1.14	-1.80	-2.94	-6.05	2.10	0.00	-1.14	-3.95	-5.09	
6885	37	0.00	-2.81	2.21	0.00	-1.14	-0.60	-1.74	-5.35	2.10	0.00	-1.14	-3.25	-4.39	
	40	0.00	-3.14	2.21	0.00	-1.14	-0.93	-2.07	-5.59	2.10	0.00	-1.14	-3.49	-4.63	
	44	0.00	-3.11	2.21	0.00	-1.14	-0.90	-2.04	-5.64	2.10	0.00	-1.14	-3.54	-4.68	
6925	37	0.00	-3.20	2.25	0.00	-1.14	-0.95	-2.09	-5.74	2.13	0.00	-1.14	-3.61	-4.75	
	40	0.00	-3.55	2.25	0.00	-1.14	-1.30	-2.44	-5.90	2.13	0.00	-1.14	-3.77	-4.91	
	44	0.00	-3.44	2.25	0.00	-1.14	-1.19	-2.33	-5.91	2.13	0.00	-1.14	-3.78	-4.92	
7005	37	0.00	-3.96	2.26	0.00	-1.14	-1.70	-2.84	-6.45	2.14	0.00	-1.14	-4.31	-5.45	
	40	0.00	-4.18	2.26	0.00	-1.14	-1.92	-3.06	-6.63	2.14	0.00	-1.14	-4.49	-5.63	
	44	0.00	-4.24	2.26	0.00	-1.14	-1.98	-3.12	-6.71	2.14	0.00	-1.14	-4.57	-5.71	
7085	37	0.00	-4.57	2.29	0.00	-1.14	-2.28	-3.42	-7.26	2.13	0.00	-1.14	-5.13	-6.27	
	40	0.00	-4.91	2.29	0.00	-1.14	-2.62	-3.76	-7.46	2.13	0.00	-1.14	-5.33	-6.47	
	44	0.00	-4.97	2.29	0.00	-1.14	-2.68	-3.82	-7.51	2.13	0.00	-1.14	-5.38	-6.52	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 38 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-40 (OFDMA) 52-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(SDM) 52-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5965	37	0.67	0.58	1.26	1.00	-	-	0.49	0.45	0.94	-0.26	24.00	24.26
	40	0.66	0.55	1.21	0.83	-	-	0.48	0.42	0.91	-0.43	24.00	24.43
	44	0.68	0.58	1.26	0.99	-	-	0.50	0.44	0.94	-0.27	24.00	24.27
6205	37	0.64	0.52	1.16	0.63	-	-	0.47	0.40	0.86	-0.63	24.00	24.63
	40	0.61	0.49	1.11	0.44	-	-	0.45	0.38	0.83	-0.82	24.00	24.82
	44	0.68	0.53	1.21	0.81	-	-	0.49	0.41	0.90	-0.45	24.00	24.45
6405	37	0.73	0.56	1.29	1.10	-	-	0.53	0.43	0.96	-0.17	24.00	24.17
	40	0.69	0.53	1.21	0.84	-	-	0.50	0.41	0.91	-0.43	24.00	24.43
	44	0.70	0.56	1.25	0.98	-	-	0.51	0.43	0.94	-0.28	24.00	24.28
6445	37	0.74	0.56	1.30	1.15	-	-	0.54	0.43	0.98	-0.11	24.00	24.11
	40	0.67	0.52	1.20	0.78	-	-	0.49	0.40	0.90	-0.48	24.00	24.48
	44	0.70	0.53	1.23	0.91	-	-	0.51	0.41	0.92	-0.35	24.00	24.35
6485	37	0.70	0.53	1.23	0.91	-	-	0.52	0.41	0.92	-0.35	24.00	24.35
	40	0.65	0.49	1.14	0.57	-	-	0.48	0.37	0.85	-0.69	24.00	24.69
	44	0.66	0.50	1.16	0.66	-	-	0.48	0.39	0.87	-0.61	24.00	24.61
6525	37	0.67	0.45	1.12	0.50	-	-	0.49	0.35	0.84	-0.77	24.00	24.77
	40	0.63	0.41	1.04	0.18	-	-	0.46	0.32	0.78	-1.09	24.00	25.09
	44	0.67	0.43	1.09	0.39	-	-	0.49	0.33	0.82	-0.88	24.00	24.88

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.
							[dBm]	[dBm]	[dBm]				[dBm]	[dBm]
5965	37	0.00	-3.66	1.95	0.00	-1.36	-1.71	-3.07	-4.32	1.98	0.00	-1.14	-2.34	-3.48
	40	0.00	-3.77	1.95	0.00	-1.36	-1.82	-3.18	-4.57	1.98	0.00	-1.14	-2.59	-3.73
	44	0.00	-3.64	1.95	0.00	-1.36	-1.69	-3.05	-4.37	1.98	0.00	-1.14	-2.39	-3.53
6205	37	0.00	-3.96	2.01	0.00	-1.36	-1.95	-3.31	-4.85	1.99	0.00	-1.14	-2.86	-4.00
	40	0.00	-4.14	2.01	0.00	-1.36	-2.13	-3.49	-5.05	1.99	0.00	-1.14	-3.06	-4.20
	44	0.00	-3.71	2.01	0.00	-1.36	-1.70	-3.06	-4.75	1.99	0.00	-1.14	-2.76	-3.90
6405	37	0.00	-3.43	2.05	0.00	-1.36	-1.38	-2.74	-4.52	2.00	0.00	-1.14	-2.52	-3.66
	40	0.00	-3.69	2.05	0.00	-1.36	-1.64	-3.00	-4.78	2.00	0.00	-1.14	-2.78	-3.92
	44	0.00	-3.63	2.05	0.00	-1.36	-1.58	-2.94	-4.54	2.00	0.00	-1.14	-2.54	-3.68
6445	37	0.00	-3.36	2.08	0.00	-1.36	-1.28	-2.64	-4.54	2.02	0.00	-1.14	-2.52	-3.66
	40	0.00	-3.80	2.08	0.00	-1.36	-1.72	-3.08	-4.82	2.02	0.00	-1.14	-2.80	-3.94
	44	0.00	-3.64	2.08	0.00	-1.36	-1.56	-2.92	-4.74	2.02	0.00	-1.14	-2.72	-3.86
6485	37	0.00	-3.63	2.11	0.00	-1.36	-1.52	-2.88	-4.83	2.06	0.00	-1.14	-2.77	-3.91
	40	0.00	-3.96	2.11	0.00	-1.36	-1.85	-3.21	-5.18	2.06	0.00	-1.14	-3.12	-4.26
	44	0.00	-3.91	2.11	0.00	-1.36	-1.80	-3.16	-5.05	2.06	0.00	-1.14	-2.99	-4.13
6525	37	0.00	-3.84	2.11	0.00	-1.36	-1.73	-3.09	-5.52	2.05	0.00	-1.14	-3.47	-4.61
	40	0.00	-4.12	2.11	0.00	-1.36	-2.01	-3.37	-5.89	2.05	0.00	-1.14	-3.84	-4.98
	44	0.00	-3.86	2.11	0.00	-1.36	-1.75	-3.11	-5.77	2.05	0.00	-1.14	-3.72	-4.86

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 38 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-40 (OFDMA) 52-tone RU (SDM)

[High Power mode / Standard Power mode]

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

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6565	37	0.81	0.52	1.33	1.25	-	-		0.59	0.40	0.99	-0.03	24.00	24.03
	40	0.76	0.48	1.25	0.96	-	-		0.56	0.37	0.93	-0.31	24.00	24.31
	44	0.77	0.50	1.27	1.04	-	-		0.56	0.38	0.95	-0.23	24.00	24.23
6685	37	0.76	0.48	1.24	0.93	-	-		0.56	0.37	0.92	-0.35	24.00	24.35
	40	0.71	0.45	1.16	0.65	-	-		0.52	0.34	0.87	-0.63	24.00	24.63
	44	0.73	0.45	1.18	0.71	-	-		0.53	0.35	0.88	-0.56	24.00	24.56
6845	37	0.72	0.44	1.17	0.66	-	-		0.53	0.34	0.87	-0.61	24.00	24.61
	40	0.68	0.40	1.08	0.31	-	-		0.50	0.31	0.80	-0.96	24.00	24.96
	44	0.68	0.40	1.08	0.35	-	-		0.50	0.31	0.81	-0.93	24.00	24.93
6885	37	0.89	0.48	1.37	1.36	-	-		0.65	0.37	1.02	0.08	24.00	23.92
	40	0.79	0.45	1.24	0.94	-	-		0.58	0.35	0.92	-0.34	24.00	24.34
	44	0.82	0.45	1.27	1.02	-	-		0.60	0.35	0.94	-0.26	24.00	24.26
6925	37	0.80	0.45	1.25	0.95	-	-		0.58	0.35	0.93	-0.32	24.00	24.32
	40	0.75	0.42	1.17	0.67	-	-		0.55	0.32	0.87	-0.61	24.00	24.61
	44	0.74	0.42	1.16	0.66	-	-		0.54	0.33	0.87	-0.62	24.00	24.62
7005	37	0.69	0.38	1.07	0.29	-	-		0.50	0.29	0.80	-0.99	24.00	24.99
	40	0.62	0.35	0.97	-0.12	-	-		0.46	0.27	0.72	-1.40	24.00	25.40
	44	0.63	0.35	0.98	-0.10	-	-		0.46	0.27	0.73	-1.38	24.00	25.38
7085	37	0.58	0.32	0.90	-0.46	-	-		0.43	0.24	0.67	-1.74	24.00	25.74
	40	0.54	0.29	0.83	-0.80	-	-		0.40	0.22	0.62	-2.08	24.00	26.08
	44	0.55	0.29	0.85	-0.73	-	-		0.40	0.23	0.63	-2.01	24.00	26.01

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1) [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]	
6565	37	0.00	-3.06	2.15	0.00	-1.36	-0.91	-2.27	-4.91	2.09	0.00	-1.14	-2.82	-3.96	
	40	0.00	-3.32	2.15	0.00	-1.36	-1.17	-2.53	-5.24	2.09	0.00	-1.14	-3.15	-4.29	
	44	0.00	-3.28	2.15	0.00	-1.36	-1.13	-2.49	-5.10	2.09	0.00	-1.14	-3.01	-4.15	
6685	37	0.00	-3.36	2.17	0.00	-1.36	-1.19	-2.55	-5.30	2.09	0.00	-1.14	-3.21	-4.35	
	40	0.00	-3.64	2.17	0.00	-1.36	-1.47	-2.83	-5.58	2.09	0.00	-1.14	-3.49	-4.63	
	44	0.00	-3.55	2.17	0.00	-1.36	-1.38	-2.74	-5.56	2.09	0.00	-1.14	-3.47	-4.61	
6845	37	0.00	-3.60	2.20	0.00	-1.36	-1.40	-2.76	-5.66	2.10	0.00	-1.14	-3.56	-4.70	
	40	0.00	-3.89	2.20	0.00	-1.36	-1.69	-3.05	-6.11	2.10	0.00	-1.14	-4.01	-5.15	
	44	0.00	-3.87	2.20	0.00	-1.36	-1.67	-3.03	-6.06	2.10	0.00	-1.14	-3.96	-5.10	
6885	37	0.00	-2.73	2.21	0.00	-1.36	-0.52	-1.88	-5.27	2.10	0.00	-1.14	-3.17	-4.31	
	40	0.00	-3.22	2.21	0.00	-1.36	-1.01	-2.37	-5.58	2.10	0.00	-1.14	-3.48	-4.62	
	44	0.00	-3.09	2.21	0.00	-1.36	-0.88	-2.24	-5.58	2.10	0.00	-1.14	-3.48	-4.62	
6925	37	0.00	-3.24	2.25	0.00	-1.36	-0.99	-2.35	-5.60	2.13	0.00	-1.14	-3.47	-4.61	
	40	0.00	-3.51	2.25	0.00	-1.36	-1.26	-2.62	-5.92	2.13	0.00	-1.14	-3.79	-4.93	
	44	0.00	-3.56	2.25	0.00	-1.36	-1.31	-2.67	-5.86	2.13	0.00	-1.14	-3.73	-4.87	
7005	37	0.00	-3.88	2.26	0.00	-1.36	-1.62	-2.98	-6.34	2.14	0.00	-1.14	-4.20	-5.34	
	40	0.00	-4.32	2.26	0.00	-1.36	-2.06	-3.42	-6.71	2.14	0.00	-1.14	-4.57	-5.71	
	44	0.00	-4.27	2.26	0.00	-1.36	-2.01	-3.37	-6.73	2.14	0.00	-1.14	-4.59	-5.73	
7085	37	0.00	-4.63	2.29	0.00	-1.36	-2.34	-3.70	-7.13	2.13	0.00	-1.14	-5.00	-6.14	
	40	0.00	-4.95	2.29	0.00	-1.36	-2.66	-4.02	-7.52	2.13	0.00	-1.14	-5.39	-6.53	
	44	0.00	-4.87	2.29	0.00	-1.36	-2.58	-3.94	-7.45	2.13	0.00	-1.14	-5.32	-6.46	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 7, 2024
Temperature / Humidity 27 deg. C / 40 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 106-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(CDD) 106-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5965	53	1.00	0.84	1.85	2.67	-	-	0.77	0.65	1.42	1.53	24.00	22.47
	54	0.96	0.82	1.79	2.52	-	-	0.74	0.63	1.37	1.38	24.00	22.62
	56	1.01	0.87	1.88	2.73	-	-	0.78	0.67	1.44	1.59	24.00	22.41
6205	53	0.95	0.77	1.72	2.36	-	-	0.73	0.59	1.32	1.22	24.00	22.78
	54	0.93	0.74	1.67	2.22	-	-	0.72	0.57	1.28	1.08	24.00	22.92
	56	0.98	0.80	1.77	2.49	-	-	0.75	0.61	1.37	1.35	24.00	22.65
6405	53	1.06	0.80	1.86	2.68	-	-	0.81	0.61	1.43	1.54	24.00	22.46
	54	1.00	0.77	1.76	2.47	-	-	0.77	0.59	1.36	1.33	24.00	22.67
	56	1.03	0.78	1.81	2.59	-	-	0.79	0.60	1.39	1.45	24.00	22.55
6445	53	1.07	0.85	1.91	2.81	-	-	0.82	0.65	1.47	1.67	24.00	22.33
	54	1.03	0.79	1.82	2.61	-	-	0.79	0.61	1.40	1.47	24.00	22.53
	56	1.04	0.79	1.84	2.64	-	-	0.80	0.61	1.41	1.50	24.00	22.50
6485	53	1.03	0.77	1.81	2.57	-	-	0.79	0.60	1.39	1.43	24.00	22.57
	54	0.99	0.75	1.74	2.40	-	-	0.76	0.58	1.34	1.26	24.00	22.74
	56	0.99	0.75	1.74	2.41	-	-	0.76	0.58	1.34	1.27	24.00	22.73
6525	53	1.00	0.69	1.69	2.28	-	-	0.77	0.53	1.30	1.14	24.00	22.86
	54	0.96	0.66	1.62	2.11	-	-	0.74	0.51	1.25	0.97	24.00	23.03
	56	0.99	0.66	1.64	2.15	-	-	0.76	0.51	1.26	1.01	24.00	22.99

			5G_CH0							5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]	
5965	53	0.00	-22.11	1.95	20.17	-1.14	0.01	-1.13	-22.88	1.98	20.16	-1.14	-0.73	-1.87	
	54	0.00	-22.29	1.95	20.17	-1.14	-0.17	-1.31	-22.99	1.98	20.16	-1.14	-0.84	-1.98	
	56	0.00	-22.08	1.95	20.17	-1.14	0.04	-1.10	-22.77	1.98	20.16	-1.14	-0.62	-1.76	
6205	53	0.00	-22.39	2.01	20.16	-1.14	-0.22	-1.36	-23.28	1.99	20.16	-1.14	-1.13	-2.27	
	54	0.00	-22.48	2.01	20.16	-1.14	-0.31	-1.45	-23.49	1.99	20.16	-1.14	-1.34	-2.48	
	56	0.00	-22.26	2.01	20.16	-1.14	-0.09	-1.23	-23.15	1.99	20.16	-1.14	-1.00	-2.14	
6405	53	0.00	-21.96	2.05	20.16	-1.14	0.25	-0.89	-23.15	2.00	20.16	-1.14	-0.99	-2.13	
	54	0.00	-22.22	2.05	20.16	-1.14	-0.01	-1.15	-23.31	2.00	20.16	-1.14	-1.15	-2.29	
	56	0.00	-22.08	2.05	20.16	-1.14	0.13	-1.01	-23.22	2.00	20.16	-1.14	-1.06	-2.20	
6445	53	0.00	-21.96	2.08	20.16	-1.14	0.28	-0.86	-22.91	2.02	20.16	-1.14	-0.73	-1.87	
	54	0.00	-22.10	2.08	20.16	-1.14	0.14	-1.00	-23.19	2.02	20.16	-1.14	-1.01	-2.15	
	56	0.00	-22.05	2.08	20.16	-1.14	0.19	-0.95	-23.19	2.02	20.16	-1.14	-1.01	-2.15	
6485	53	0.00	-22.13	2.11	20.15	-1.14	0.14	-1.00	-23.33	2.06	20.16	-1.14	-1.11	-2.25	
	54	0.00	-22.33	2.11	20.15	-1.14	-0.06	-1.20	-23.45	2.06	20.16	-1.14	-1.23	-2.37	
	56	0.00	-22.29	2.11	20.15	-1.14	-0.02	-1.16	-23.48	2.06	20.16	-1.14	-1.26	-2.40	
6525	53	0.00	-22.26	2.11	20.15	-1.14	0.00	-1.14	-23.82	2.05	20.16	-1.14	-1.60	-2.74	
	54	0.00	-22.42	2.11	20.15	-1.14	-0.16	-1.30	-24.02	2.05	20.16	-1.14	-1.80	-2.94	
	56	0.00	-22.33	2.11	20.15	-1.14	-0.07	-1.21	-24.04	2.05	20.16	-1.14	-1.82	-2.96	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 7, 2024
Temperature / Humidity 27 deg. C / 40 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 106-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(CDD) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6565	53	1.06	0.69	1.75	2.44	-	-	0.82	0.53	1.35	1.30	24.00	22.70
	54	1.00	0.64	1.64	2.15	-	-	0.77	0.49	1.26	1.01	24.00	22.99
	56	1.00	0.63	1.63	2.13	-	-	0.77	0.48	1.26	0.99	24.00	23.01
6685	53	1.02	0.64	1.65	2.19	-	-	0.78	0.49	1.27	1.05	24.00	22.95
	54	0.97	0.61	1.58	1.98	-	-	0.75	0.47	1.21	0.84	24.00	23.16
	56	0.99	0.59	1.58	1.99	-	-	0.76	0.45	1.22	0.85	24.00	23.15
6845	53	0.99	0.58	1.56	1.94	-	-	0.76	0.45	1.20	0.80	24.00	23.20
	54	0.94	0.54	1.48	1.70	-	-	0.73	0.41	1.14	0.56	24.00	23.44
	56	0.92	0.54	1.46	1.63	-	-	0.71	0.41	1.12	0.49	24.00	23.51
6885	53	1.05	0.57	1.62	2.09	-	-	0.81	0.44	1.24	0.95	24.00	23.05
	54	0.98	0.53	1.51	1.79	-	-	0.75	0.41	1.16	0.65	24.00	23.35
	56	0.97	0.52	1.49	1.74	-	-	0.75	0.40	1.15	0.60	24.00	23.40
6925	53	0.95	0.53	1.48	1.70	-	-	0.73	0.41	1.14	0.56	24.00	23.44
	54	0.91	0.50	1.40	1.47	-	-	0.70	0.38	1.08	0.33	24.00	23.67
	56	0.89	0.49	1.38	1.41	-	-	0.68	0.38	1.06	0.27	24.00	23.73
7005	53	0.81	0.45	1.26	0.99	-	-	0.62	0.35	0.97	-0.15	24.00	24.15
	54	0.76	0.41	1.17	0.68	-	-	0.59	0.31	0.90	-0.46	24.00	24.46
	56	0.78	0.41	1.18	0.74	-	-	0.60	0.31	0.91	-0.40	24.00	24.40
7085	53	0.69	0.38	1.07	0.29	-	-	0.53	0.29	0.82	-0.85	24.00	24.85
	54	0.63	0.35	0.98	-0.10	-	-	0.49	0.27	0.75	-1.24	24.00	25.24
	56	0.64	0.34	0.98	-0.11	-	-	0.49	0.26	0.75	-1.25	24.00	25.25

		5G_CH0							5G_CH1						
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]	
6565	53	0.00	-22.03	2.15	20.15	-1.14	0.27	-0.87	-23.86	2.09	20.16	-1.14	-1.61	-2.75	
	54	0.00	-22.29	2.15	20.15	-1.14	0.01	-1.13	-24.21	2.09	20.16	-1.14	-1.96	-3.10	
	56	0.00	-22.29	2.15	20.15	-1.14	0.01	-1.13	-24.25	2.09	20.16	-1.14	-2.00	-3.14	
6685	53	0.00	-22.25	2.17	20.15	-1.14	0.07	-1.07	-24.21	2.09	20.16	-1.14	-1.96	-3.10	
	54	0.00	-22.45	2.17	20.15	-1.14	-0.13	-1.27	-24.42	2.09	20.16	-1.14	-2.17	-3.31	
	56	0.00	-22.36	2.17	20.15	-1.14	-0.04	-1.18	-24.54	2.09	20.16	-1.14	-2.29	-3.43	
6845	53	0.00	-22.42	2.20	20.15	-1.14	-0.07	-1.21	-24.63	2.10	20.16	-1.14	-2.37	-3.51	
	54	0.00	-22.61	2.20	20.15	-1.14	-0.26	-1.40	-24.95	2.10	20.16	-1.14	-2.69	-3.83	
	56	0.00	-22.73	2.20	20.15	-1.14	-0.38	-1.52	-24.95	2.10	20.16	-1.14	-2.69	-3.83	
6885	53	0.00	-22.15	2.21	20.15	-1.14	0.21	-0.93	-24.72	2.10	20.16	-1.14	-2.46	-3.60	
	54	0.00	-22.45	2.21	20.15	-1.14	-0.09	-1.23	-25.01	2.10	20.16	-1.14	-2.75	-3.89	
	56	0.00	-22.49	2.21	20.15	-1.14	-0.13	-1.27	-25.08	2.10	20.16	-1.14	-2.82	-3.96	
6925	53	0.00	-22.61	2.25	20.15	-1.14	-0.21	-1.35	-25.07	2.13	20.16	-1.14	-2.78	-3.92	
	54	0.00	-22.83	2.25	20.15	-1.14	-0.43	-1.57	-25.32	2.13	20.16	-1.14	-3.03	-4.17	
	56	0.00	-22.91	2.25	20.15	-1.14	-0.51	-1.65	-25.36	2.13	20.16	-1.14	-3.07	-4.21	
7005	53	0.00	-23.34	2.26	20.15	-1.14	-0.93	-2.07	-25.77	2.14	20.16	-1.14	-3.48	-4.62	
	54	0.00	-23.60	2.26	20.15	-1.14	-1.19	-2.33	-26.17	2.14	20.16	-1.14	-3.88	-5.02	
	56	0.00	-23.51	2.26	20.15	-1.14	-1.10	-2.24	-26.19	2.14	20.16	-1.14	-3.90	-5.04	
7085	53	0.00	-24.03	2.29	20.15	-1.14	-1.59	-2.73	-26.54	2.13	20.16	-1.14	-4.25	-5.39	
	54	0.00	-24.44	2.29	20.15	-1.14	-2.00	-3.14	-26.89	2.13	20.16	-1.14	-4.60	-5.74	
	56	0.00	-24.40	2.29	20.15	-1.14	-1.96	-3.10	-26.99	2.13	20.16	-1.14	-4.70	-5.84	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 38 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-40 (OFDMA) 106-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(SDM) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5965	53	0.94	0.82	1.76	2.45	-	-	0.69	0.63	1.32	1.19	24.00	22.81
	54	0.92	0.80	1.71	2.33	-	-	0.67	0.61	1.28	1.08	24.00	22.92
	56	0.95	0.82	1.77	2.49	-	-	0.69	0.63	1.33	1.23	24.00	22.77
6205	53	0.92	0.73	1.65	2.16	-	-	0.67	0.56	1.23	0.90	24.00	23.10
	54	0.88	0.72	1.60	2.04	-	-	0.65	0.55	1.20	0.78	24.00	23.22
	56	0.94	0.76	1.69	2.29	-	-	0.68	0.58	1.27	1.03	24.00	22.97
6405	53	1.01	0.77	1.78	2.51	-	-	0.74	0.60	1.33	1.24	24.00	22.76
	54	0.96	0.74	1.70	2.30	-	-	0.70	0.57	1.27	1.04	24.00	22.96
	56	0.98	0.76	1.75	2.42	-	-	0.72	0.59	1.31	1.16	24.00	22.84
6445	53	1.01	0.79	1.80	2.56	-	-	0.74	0.61	1.35	1.30	24.00	22.70
	54	0.97	0.76	1.73	2.37	-	-	0.71	0.58	1.29	1.11	24.00	22.89
	56	0.97	0.75	1.73	2.38	-	-	0.71	0.58	1.29	1.11	24.00	22.89
6485	53	0.98	0.75	1.73	2.38	-	-	0.71	0.58	1.29	1.12	24.00	22.88
	54	0.91	0.70	1.61	2.08	-	-	0.66	0.54	1.21	0.81	24.00	23.19
	56	0.92	0.70	1.62	2.08	-	-	0.67	0.54	1.21	0.82	24.00	23.18
6525	53	0.98	0.63	1.60	2.05	-	-	0.71	0.48	1.20	0.78	24.00	23.22
	54	0.92	0.59	1.51	1.80	-	-	0.67	0.45	1.13	0.53	24.00	23.47
	56	0.91	0.59	1.51	1.78	-	-	0.67	0.46	1.12	0.50	24.00	23.50

			5G_CH0					5G_CH1						
Tested Frequency	RU Index	Duty Factor *1)	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]
5965	53	0.00	-2.22	1.95	0.00	-1.36	-0.27	-1.63	-2.86	1.98	0.00	-1.14	-0.88	-2.02
	54	0.00	-2.33	1.95	0.00	-1.36	-0.38	-1.74	-2.98	1.98	0.00	-1.14	-1.00	-2.14
	56	0.00	-2.18	1.95	0.00	-1.36	-0.23	-1.59	-2.82	1.98	0.00	-1.14	-0.84	-1.98
6205	53	0.00	-2.37	2.01	0.00	-1.36	-0.36	-1.72	-3.38	1.99	0.00	-1.14	-1.39	-2.53
	54	0.00	-2.54	2.01	0.00	-1.36	-0.53	-1.89	-3.44	1.99	0.00	-1.14	-1.45	-2.59
	56	0.00	-2.29	2.01	0.00	-1.36	-0.28	-1.64	-3.20	1.99	0.00	-1.14	-1.21	-2.35
6405	53	0.00	-2.02	2.05	0.00	-1.36	0.03	-1.33	-3.11	2.00	0.00	-1.14	-1.11	-2.25
	54	0.00	-2.23	2.05	0.00	-1.36	-0.18	-1.54	-3.31	2.00	0.00	-1.14	-1.31	-2.45
	56	0.00	-2.12	2.05	0.00	-1.36	-0.07	-1.43	-3.17	2.00	0.00	-1.14	-1.17	-2.31
6445	53	0.00	-2.02	2.08	0.00	-1.36	0.06	-1.30	-3.04	2.02	0.00	-1.14	-1.02	-2.16
	54	0.00	-2.21	2.08	0.00	-1.36	-0.13	-1.49	-3.23	2.02	0.00	-1.14	-1.21	-2.35
	56	0.00	-2.19	2.08	0.00	-1.36	-0.11	-1.47	-3.25	2.02	0.00	-1.14	-1.23	-2.37
6485	53	0.00	-2.22	2.11	0.00	-1.36	-0.11	-1.47	-3.28	2.06	0.00	-1.14	-1.22	-2.36
	54	0.00	-2.53	2.11	0.00	-1.36	-0.42	-1.78	-3.58	2.06	0.00	-1.14	-1.52	-2.66
	56	0.00	-2.48	2.11	0.00	-1.36	-0.37	-1.73	-3.63	2.06	0.00	-1.14	-1.57	-2.71
6525	53	0.00	-2.22	2.11	0.00	-1.36	-0.11	-1.47	-4.08	2.05	0.00	-1.14	-2.03	-3.17
	54	0.00	-2.46	2.11	0.00	-1.36	-0.35	-1.71	-4.34	2.05	0.00	-1.14	-2.29	-3.43
	56	0.00	-2.52	2.11	0.00	-1.36	-0.41	-1.77	-4.31	2.05	0.00	-1.14	-2.26	-3.40

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 38 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-40 (OFDMA) 106-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(SDM) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6565	53	1.15	0.73	1.88	2.75	-	-	0.84	0.56	1.40	1.47	24.00	22.53
	54	1.08	0.71	1.79	2.53	-	-	0.79	0.54	1.34	1.26	24.00	22.74
	56	1.08	0.70	1.78	2.50	-	-	0.79	0.54	1.33	1.23	24.00	22.77
6685	53	1.08	0.67	1.75	2.43	-	-	0.79	0.52	1.30	1.15	24.00	22.85
	54	1.03	0.63	1.66	2.20	-	-	0.75	0.48	1.24	0.93	24.00	23.07
	56	1.03	0.63	1.66	2.21	-	-	0.76	0.49	1.24	0.94	24.00	23.06
6845	53	1.03	0.62	1.65	2.17	-	-	0.76	0.47	1.23	0.90	24.00	23.10
	54	0.97	0.58	1.55	1.90	-	-	0.71	0.44	1.15	0.62	24.00	23.38
	56	0.98	0.57	1.55	1.90	-	-	0.72	0.44	1.15	0.62	24.00	23.38
6885	53	1.08	0.60	1.68	2.24	-	-	0.79	0.46	1.25	0.96	24.00	23.04
	54	1.04	0.57	1.61	2.06	-	-	0.76	0.44	1.20	0.77	24.00	23.23
	56	1.01	0.57	1.58	1.98	-	-	0.74	0.44	1.18	0.70	24.00	23.30
6925	53	1.02	0.56	1.58	2.00	-	-	0.75	0.43	1.18	0.72	24.00	23.28
	54	0.95	0.54	1.49	1.75	-	-	0.70	0.42	1.11	0.47	24.00	23.53
	56	0.94	0.53	1.47	1.67	-	-	0.69	0.40	1.09	0.39	24.00	23.61
7005	53	0.84	0.48	1.32	1.21	-	-	0.62	0.37	0.98	-0.07	24.00	24.07
	54	0.79	0.44	1.24	0.92	-	-	0.58	0.34	0.92	-0.36	24.00	24.36
	56	0.79	0.43	1.22	0.87	-	-	0.58	0.33	0.91	-0.41	24.00	24.41
7085	53	0.73	0.39	1.12	0.50	-	-	0.53	0.30	0.84	-0.78	24.00	24.78
	54	0.69	0.38	1.07	0.30	-	-	0.51	0.29	0.80	-0.99	24.00	24.99
	56	0.68	0.38	1.06	0.26	-	-	0.50	0.29	0.79	-1.02	24.00	25.02

Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	5G_CH0						5G_CH1					
			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]
6565	53	0.00	-1.55	2.15	0.00	-1.36	0.60	-0.76	-3.43	2.09	0.00	-1.14	-1.34	-2.48
	54	0.00	-1.80	2.15	0.00	-1.36	0.35	-1.01	-3.59	2.09	0.00	-1.14	-1.50	-2.64
	56	0.00	-1.80	2.15	0.00	-1.36	0.35	-1.01	-3.66	2.09	0.00	-1.14	-1.57	-2.71
6685	53	0.00	-1.85	2.17	0.00	-1.36	0.32	-1.04	-3.82	2.09	0.00	-1.14	-1.73	-2.87
	54	0.00	-2.04	2.17	0.00	-1.36	0.13	-1.23	-4.10	2.09	0.00	-1.14	-2.01	-3.15
	56	0.00	-2.03	2.17	0.00	-1.36	0.14	-1.22	-4.09	2.09	0.00	-1.14	-2.00	-3.14
6845	53	0.00	-2.06	2.20	0.00	-1.36	0.14	-1.22	-4.20	2.10	0.00	-1.14	-2.10	-3.24
	54	0.00	-2.32	2.20	0.00	-1.36	-0.12	-1.48	-4.50	2.10	0.00	-1.14	-2.40	-3.54
	56	0.00	-2.30	2.20	0.00	-1.36	-0.10	-1.46	-4.53	2.10	0.00	-1.14	-2.43	-3.57
6885	53	0.00	-1.89	2.21	0.00	-1.36	0.32	-1.04	-4.33	2.10	0.00	-1.14	-2.23	-3.37
	54	0.00	-2.05	2.21	0.00	-1.36	0.16	-1.20	-4.56	2.10	0.00	-1.14	-2.46	-3.60
	56	0.00	-2.18	2.21	0.00	-1.36	0.03	-1.33	-4.53	2.10	0.00	-1.14	-2.43	-3.57
6925	53	0.00	-2.16	2.25	0.00	-1.36	0.09	-1.27	-4.62	2.13	0.00	-1.14	-2.49	-3.63
	54	0.00	-2.46	2.25	0.00	-1.36	-0.21	-1.57	-4.79	2.13	0.00	-1.14	-2.66	-3.80
	56	0.00	-2.50	2.25	0.00	-1.36	-0.25	-1.61	-4.93	2.13	0.00	-1.14	-2.80	-3.94
7005	53	0.00	-3.00	2.26	0.00	-1.36	-0.74	-2.10	-5.35	2.14	0.00	-1.14	-3.21	-4.35
	54	0.00	-3.27	2.26	0.00	-1.36	-1.01	-2.37	-5.68	2.14	0.00	-1.14	-3.54	-4.68
	56	0.00	-3.28	2.26	0.00	-1.36	-1.02	-2.38	-5.79	2.14	0.00	-1.14	-3.65	-4.79
7085	53	0.00	-3.67	2.29	0.00	-1.36	-1.38	-2.74	-6.18	2.13	0.00	-1.14	-4.05	-5.19
	54	0.00	-3.88	2.29	0.00	-1.36	-1.59	-2.95	-6.37	2.13	0.00	-1.14	-4.24	-5.38
	56	0.00	-3.94	2.29	0.00	-1.36	-1.65	-3.01	-6.36	2.13	0.00	-1.14	-4.23	-5.37

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 21, 2024
Temperature / Humidity 25 deg. C / 44 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-40 (OFDMA) 242-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(CDD) 242-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5965	61	2.99	3.15	6.14	7.88	-	-	2.30	2.42	4.72	6.74	24.00	17.26
	62	3.11	3.23	6.34	8.02	-	-	2.40	2.48	4.88	6.88	24.00	17.12
6205	61	2.84	2.82	5.66	7.53	-	-	2.18	2.17	4.35	6.39	24.00	17.61
	62	2.96	2.88	5.84	7.66	-	-	2.27	2.22	4.49	6.52	24.00	17.48
6405	61	3.13	3.09	6.21	7.93	-	-	2.41	2.37	4.78	6.79	24.00	17.21
	62	3.17	3.09	6.26	7.96	-	-	2.43	2.38	4.81	6.82	24.00	17.18
6445	61	2.52	1.96	4.47	6.51	-	-	1.94	1.50	3.44	5.37	24.00	18.63
	62	2.42	1.86	4.27	6.31	-	-	1.86	1.43	3.29	5.17	24.00	18.83
6485	61	2.29	1.72	4.01	6.03	-	-	1.76	1.32	3.08	4.89	24.00	19.11
	62	2.23	1.68	3.91	5.92	-	-	1.71	1.29	3.01	4.78	24.00	19.22
6525	61	2.31	1.55	3.86	5.87	-	-	1.78	1.19	2.97	4.73	24.00	19.27
	62	2.27	1.50	3.77	5.76	-	-	1.75	1.15	2.90	4.62	24.00	19.38

			5G_CH0							5G_CH1						
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]		
5965	61	0.00	-17.36	1.95	20.17	-1.14	4.76	3.62	-17.18	2.00	20.16	-1.14	4.98	3.84		
	62	0.00	-17.19	1.95	20.17	-1.14	4.93	3.79	-17.07	2.00	20.16	-1.14	5.09	3.95		
6205	61	0.00	-17.64	2.00	20.16	-1.14	4.53	3.39	-17.66	2.00	20.16	-1.14	4.51	3.37		
	62	0.00	-17.46	2.00	20.16	-1.14	4.71	3.57	-17.57	2.00	20.16	-1.14	4.60	3.46		
6405	61	0.00	-17.25	2.05	20.16	-1.14	4.95	3.81	-17.28	2.01	20.16	-1.14	4.89	3.75		
	62	0.00	-17.20	2.05	20.16	-1.14	5.00	3.86	-17.27	2.01	20.16	-1.14	4.90	3.76		
6445	61	0.00	-18.22	2.08	20.16	-1.14	4.01	2.87	-19.28	2.03	20.16	-1.14	2.91	1.77		
	62	0.00	-18.40	2.08	20.16	-1.14	3.83	2.69	-19.51	2.03	20.16	-1.14	2.68	1.54		
6485	61	0.00	-18.66	2.11	20.15	-1.14	3.60	2.46	-19.88	2.07	20.16	-1.14	2.35	1.21		
	62	0.00	-18.78	2.11	20.15	-1.14	3.48	2.34	-19.98	2.07	20.16	-1.14	2.25	1.11		
6525	61	0.00	-18.62	2.11	20.15	-1.14	3.64	2.50	-20.33	2.07	20.16	-1.14	1.90	0.76		
	62	0.00	-18.70	2.11	20.15	-1.14	3.56	2.42	-20.47	2.07	20.16	-1.14	1.76	0.62		

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 21, 2024
Temperature / Humidity 25 deg. C / 44 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-40 (OFDMA) 242-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(CDD) 242-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested	RU	Conducted power						e.i.r.p.					
Frequency	Index	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
[MHz]		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
6565	61	3.33	3.02	6.34	8.02	-	-	2.56	2.32	4.88	6.88	24.00	17.12
	62	3.27	2.94	6.22	7.93	-	-	2.52	2.26	4.78	6.79	24.00	17.21
6685	61	3.16	2.91	6.07	7.83	-	-	2.43	2.24	4.67	6.69	24.00	17.31
	62	3.07	2.83	5.90	7.71	-	-	2.36	2.18	4.54	6.57	24.00	17.43
6845	61	3.04	2.46	5.51	7.41	-	-	2.34	1.89	4.23	6.27	24.00	17.73
	62	3.06	2.34	5.40	7.32	-	-	2.35	1.80	4.15	6.18	24.00	17.82
6885	61	3.91	2.98	6.89	8.38	-	-	3.01	2.29	5.30	7.24	24.00	16.76
	62	3.70	2.80	6.50	8.13	-	-	2.84	2.16	5.00	6.99	24.00	17.01
6925	61	3.83	2.88	6.71	8.27	-	-	2.95	2.21	5.16	7.13	24.00	16.87
	62	3.70	2.75	6.44	8.09	-	-	2.84	2.11	4.95	6.95	24.00	17.05
7005	61	3.53	2.72	6.24	7.95	-	-	2.71	2.09	4.80	6.81	24.00	17.19
	62	3.38	2.62	6.00	7.78	-	-	2.60	2.01	4.62	6.64	24.00	17.36
7085	61	3.41	2.48	5.89	7.70	-	-	2.63	1.91	4.53	6.56	24.00	17.44
	62	3.21	2.37	5.58	7.47	-	-	2.47	1.82	4.29	6.33	24.00	17.67

5G_CH0														
Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
6565	61	0.00	-17.08	2.14	20.15	-1.14	5.22	4.08	-17.46	2.10	20.16	-1.14	4.80	3.66
	62	0.00	-17.15	2.14	20.15	-1.14	5.15	4.01	-17.57	2.10	20.16	-1.14	4.69	3.55
6685	61	0.00	-17.33	2.17	20.15	-1.14	4.99	3.85	-17.62	2.10	20.16	-1.14	4.64	3.50
	62	0.00	-17.45	2.17	20.15	-1.14	4.87	3.73	-17.74	2.10	20.16	-1.14	4.52	3.38
6845	61	0.00	-17.52	2.20	20.15	-1.14	4.83	3.69	-18.35	2.11	20.16	-1.14	3.92	2.78
	62	0.00	-17.50	2.20	20.15	-1.14	4.85	3.71	-18.57	2.11	20.16	-1.14	3.70	2.56
6885	61	0.00	-16.44	2.21	20.15	-1.14	5.92	4.78	-17.52	2.11	20.16	-1.14	4.75	3.61
	62	0.00	-16.68	2.21	20.15	-1.14	5.68	4.54	-17.79	2.11	20.16	-1.14	4.48	3.34
6925	61	0.00	-16.56	2.25	20.15	-1.14	5.84	4.70	-17.71	2.14	20.16	-1.14	4.59	3.45
7005	61	0.00	-16.94	2.26	20.15	-1.14	5.47	4.33	-17.96	2.14	20.16	-1.14	4.34	3.20
	62	0.00	-17.12	2.26	20.15	-1.14	5.29	4.15	-18.12	2.14	20.16	-1.14	4.18	3.04
7085	61	0.00	-17.11	2.29	20.15	-1.14	5.33	4.19	-18.35	2.14	20.16	-1.14	3.94	2.80
	62	0.00	-17.37	2.29	20.15	-1.14	5.07	3.93	-18.55	2.14	20.16	-1.14	3.74	2.60

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 22, 2024
Temperature / Humidity 24 deg. C / 41 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-40 (OFDMA) 242-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(SDM) 242-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5965	61	3.16	3.27	6.42	8.08	-	-		2.31	2.51	4.82	6.83	24.00	17.17
	62	3.17	3.26	6.43	8.08	-	-		2.32	2.51	4.83	6.84	24.00	17.16
6205	61	2.92	2.88	5.80	7.63	-	-		2.14	2.21	4.35	6.38	24.00	17.62
	62	3.05	2.96	6.02	7.79	-	-		2.23	2.28	4.51	6.54	24.00	17.46
6405	61	3.12	3.22	6.34	8.02	-	-		2.28	2.47	4.76	6.77	24.00	17.23
	62	3.17	3.19	6.36	8.03	-	-		2.32	2.45	4.77	6.79	24.00	17.21
6445	61	2.43	1.93	4.36	6.39	-	-		1.77	1.48	3.26	5.13	24.00	18.87
	62	2.40	1.89	4.29	6.33	-	-		1.75	1.46	3.21	5.07	24.00	18.93
6485	61	2.33	1.85	4.17	6.21	-	-		1.70	1.42	3.12	4.94	24.00	19.06
	62	2.28	1.79	4.06	6.09	-	-		1.66	1.37	3.04	4.83	24.00	19.17
6525	61	2.39	1.60	3.99	6.01	-	-		1.75	1.23	2.98	4.74	24.00	19.26
	62	2.39	1.55	3.94	5.95	-	-		1.75	1.19	2.94	4.68	24.00	19.32

			5G_CH0							5G_CH1						
Tested Frequency	RU Index	Duty Factor *1)	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]		
5965	61	0.00	-17.13	1.95	20.17	-1.36	4.99	3.63	-17.02	2.00	20.16	-1.14	5.14	4.00		
	62	0.00	-17.11	1.95	20.17	-1.36	5.01	3.65	-17.03	2.00	20.16	-1.14	5.13	3.99		
6205	61	0.00	-17.51	2.00	20.16	-1.36	4.66	3.30	-17.58	2.00	20.16	-1.14	4.59	3.45		
	62	0.00	-17.32	2.00	20.16	-1.36	4.85	3.49	-17.45	2.00	20.16	-1.14	4.72	3.58		
6405	61	0.00	-17.26	2.05	20.16	-1.36	4.94	3.58	-17.10	2.01	20.16	-1.14	5.07	3.93		
	62	0.00	-17.19	2.05	20.16	-1.36	5.01	3.65	-17.14	2.01	20.16	-1.14	5.03	3.89		
6445	61	0.00	-18.38	2.08	20.16	-1.36	3.85	2.49	-19.34	2.03	20.16	-1.14	2.85	1.71		
	62	0.00	-18.43	2.08	20.16	-1.36	3.80	2.44	-19.42	2.03	20.16	-1.14	2.77	1.63		
6485	61	0.00	-18.59	2.11	20.15	-1.36	3.67	2.31	-19.57	2.07	20.16	-1.14	2.66	1.52		
	62	0.00	-18.69	2.11	20.15	-1.36	3.57	2.21	-19.71	2.07	20.16	-1.14	2.52	1.38		
6525	61	0.00	-18.47	2.11	20.15	-1.36	3.79	2.43	-20.19	2.07	20.16	-1.14	2.04	0.90		
	62	0.00	-18.48	2.11	20.15	-1.36	3.78	2.42	-20.32	2.07	20.16	-1.14	1.91	0.77		

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 22, 2024
Temperature / Humidity 24 deg. C / 41 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-40 (OFDMA) 242-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(SDM) 242-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6565	61	3.35	3.18	6.52	8.15	-	-		2.45	2.44	4.89	6.89	24.00	17.11
	62	3.33	3.03	6.37	8.04	-	-		2.44	2.33	4.77	6.78	24.00	17.22
6685	61	3.15	3.01	6.16	7.89	-	-		2.30	2.31	4.61	6.64	24.00	17.36
	62	3.08	2.76	5.84	7.66	-	-		2.25	2.12	4.37	6.41	24.00	17.59
6845	61	3.04	2.52	5.56	7.45	-	-		2.22	1.94	4.16	6.19	24.00	17.81
	62	2.87	2.37	5.25	7.20	-	-		2.10	1.83	3.93	5.94	24.00	18.06
6885	61	3.91	3.06	6.97	8.43	-	-		2.86	2.35	5.21	7.17	24.00	16.83
	62	3.78	2.92	6.71	8.26	-	-		2.77	2.25	5.01	7.00	24.00	17.00
6925	61	3.84	2.93	6.77	8.31	-	-		2.81	2.25	5.06	7.04	24.00	16.96
	62	3.59	2.84	6.43	8.08	-	-		2.63	2.18	4.81	6.82	24.00	17.18
7005	61	3.67	2.74	6.40	8.06	-	-		2.68	2.10	4.78	6.80	24.00	17.20
	62	3.39	2.69	6.08	7.84	-	-		2.48	2.07	4.54	6.57	24.00	17.43
7085	61	3.37	2.58	5.96	7.75	-	-		2.47	1.99	4.45	6.49	24.00	17.51
	62	3.19	2.49	5.68	7.55	-	-		2.33	1.92	4.25	6.28	24.00	17.72

5G_CH0									5G_CH1					
Tested Frequency	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
[MHz]							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
6565	61	0.00	-17.05	2.14	20.15	-1.36	5.25	3.89	-17.24	2.10	20.16	-1.14	5.02	3.88
	62	0.00	-17.07	2.14	20.15	-1.36	5.23	3.87	-17.44	2.10	20.16	-1.14	4.82	3.68
6685	61	0.00	-17.34	2.17	20.15	-1.36	4.98	3.62	-17.48	2.10	20.16	-1.14	4.78	3.64
	62	0.00	-17.44	2.17	20.15	-1.36	4.88	3.52	-17.85	2.10	20.16	-1.14	4.41	3.27
6845	61	0.00	-17.53	2.20	20.15	-1.36	4.82	3.46	-18.25	2.11	20.16	-1.14	4.02	2.88
	62	0.00	-17.77	2.20	20.15	-1.36	4.58	3.22	-18.51	2.11	20.16	-1.14	3.76	2.62
6885	61	0.00	-16.44	2.21	20.15	-1.36	5.92	4.56	-17.41	2.11	20.16	-1.14	4.86	3.72
	62	0.00	-16.58	2.21	20.15	-1.36	5.78	4.42	-17.61	2.11	20.16	-1.14	4.66	3.52
6925	61	0.00	-16.55	2.25	20.15	-1.36	5.85	4.49	-17.63	2.14	20.16	-1.14	4.67	3.53
	62	0.00	-16.84	2.25	20.15	-1.36	5.56	4.20	-17.77	2.14	20.16	-1.14	4.53	3.39
7005	61	0.00	-16.77	2.26	20.15	-1.36	5.64	4.28	-17.93	2.14	20.16	-1.14	4.37	3.23
	62	0.00	-17.11	2.26	20.15	-1.36	5.30	3.94	-18.01	2.14	20.16	-1.14	4.29	3.15
7085	61	0.00	-17.16	2.29	20.15	-1.36	5.28	3.92	-18.17	2.14	20.16	-1.14	4.12	2.98
	62	0.00	-17.40	2.29	20.15	-1.36	5.04	3.68	-18.33	2.14	20.16	-1.14	3.96	2.82

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 11, 2024
Temperature / Humidity 25 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 484-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-40 (OFDMA)(CDD) 484-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested	RU	Conducted power						e.i.r.p.					
Frequency	Index	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
[MHz]		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5965	65	6.24	5.91	12.16	10.85	-	-	4.80	4.55	9.35	9.71	24.00	14.29
6205	65	6.40	5.60	12.00	10.79	-	-	4.92	4.31	9.23	9.65	24.00	14.35
6405	65	6.77	6.73	13.50	11.30	-	-	5.21	5.18	10.39	10.16	24.00	13.84
6445	65	6.24	6.21	12.46	10.95	-	-	4.80	4.78	9.58	9.81	24.00	14.19
6485	65	7.54	6.32	13.87	11.42	-	-	5.80	4.86	10.67	10.28	24.00	13.72
6525	65	7.22	5.67	12.89	11.10	-	-	5.55	4.36	9.91	9.96	24.00	14.04
6565	65	7.57	5.93	13.50	11.30	-	-	5.82	4.56	10.38	10.16	24.00	13.84
6685	65	6.57	5.35	11.92	10.76	-	-	5.05	4.11	9.16	9.62	24.00	14.38
6845	65	6.05	4.39	10.44	10.19	-	-	4.65	3.38	8.03	9.05	24.00	14.95
6885	65	5.93	4.32	10.26	10.11	-	-	4.56	3.32	7.89	8.97	24.00	15.03
6925	65	7.80	5.62	13.42	11.28	-	-	6.00	4.32	10.32	10.14	24.00	13.86
7005	65	7.19	5.12	12.30	10.90	-	-	5.53	3.94	9.46	9.76	24.00	14.24
7085	65	6.80	4.84	11.63	10.66	-	-	5.23	3.72	8.95	9.52	24.00	14.48

			5G_CH0							5G_CH1					
Tested Frequency	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result		
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]	
5965	65	0.00	-14.17	1.95	20.17	-1.14	7.95	6.81	-14.43	1.98	20.16	-1.14	7.72	6.58	
6205	65	0.00	-14.11	2.01	20.16	-1.14	8.06	6.92	-14.67	1.99	20.16	-1.14	7.48	6.34	
6405	65	0.00	-13.90	2.05	20.16	-1.14	8.31	7.17	-13.88	2.00	20.16	-1.14	8.28	7.14	
6445	65	0.00	-14.28	2.08	20.16	-1.14	7.96	6.82	-14.25	2.02	20.16	-1.14	7.93	6.79	
6485	65	0.00	-13.49	2.11	20.15	-1.14	8.78	7.64	-14.21	2.06	20.16	-1.14	8.01	6.87	
6525	65	0.00	-13.68	2.11	20.15	-1.14	8.58	7.44	-14.68	2.05	20.16	-1.14	7.54	6.40	
6565	65	0.00	-13.51	2.15	20.15	-1.14	8.79	7.65	-14.52	2.09	20.16	-1.14	7.73	6.59	
6685	65	0.00	-14.15	2.17	20.15	-1.14	8.17	7.03	-14.97	2.09	20.16	-1.14	7.28	6.14	
6845	65	0.00	-14.54	2.20	20.15	-1.14	7.81	6.67	-15.83	2.10	20.16	-1.14	6.43	5.29	
6885	65	0.00	-14.63	2.21	20.15	-1.14	7.73	6.59	-15.90	2.10	20.16	-1.14	6.36	5.22	
6925	65	0.00	-13.48	2.25	20.15	-1.14	8.92	7.78	-14.79	2.13	20.16	-1.14	7.50	6.36	
7005	65	0.00	-13.85	2.26	20.15	-1.14	8.56	7.42	-15.20	2.14	20.16	-1.14	7.09	5.95	
7085	65	0.00	-14.12	2.29	20.15	-1.14	8.32	7.18	-15.44	2.13	20.16	-1.14	6.85	5.71	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 13, 2024
Temperature / Humidity 24 deg. C / 48 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 484-tone RU (SDM)

[High Power mode / Standard Power mode]

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

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested		RU		Conducted power					e.i.r.p.						
Frequency	Index	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
[MHz]		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]		
5965	65	6.27	6.12	12.39	10.93	25.36	14.43	4.59	4.71	9.29	9.68	24.00	14.32		
6205	65	6.32	5.56	11.89	10.75	25.36	14.61	4.62	4.28	8.90	9.50	24.00	14.50		
6405	65	7.03	6.78	13.81	11.40	25.36	13.96	5.14	5.21	10.35	10.15	24.00	13.85		
6445	65	6.36	6.45	12.81	11.07	25.36	14.29	4.65	4.96	9.61	9.83	24.00	14.17		
6485	65	7.37	6.21	13.58	11.33	25.36	14.03	5.39	4.78	10.17	10.07	24.00	13.93		
6525	65	7.10	5.58	12.68	11.03	25.36	14.33	5.19	4.29	9.49	9.77	24.00	14.23		
6565	65	7.49	6.15	13.63	11.35	25.36	14.01	5.47	4.73	10.20	10.09	24.00	13.91		
6685	65	6.55	5.21	11.77	10.71	25.36	14.65	4.79	4.01	8.80	9.45	24.00	14.55		
6845	65	6.05	4.41	10.46	10.19	25.36	15.17	4.42	3.39	7.81	8.93	24.00	15.07		
6885	65	6.13	4.39	10.52	10.22	25.36	15.14	4.48	3.38	7.86	8.95	24.00	15.05		
6925	65	7.66	5.46	13.11	11.18	25.36	14.18	5.60	4.20	9.79	9.91	24.00	14.09		
7005	65	7.39	5.29	12.67	11.03	25.36	14.33	5.40	4.07	9.47	9.76	24.00	14.24		
7085	65	6.83	4.75	11.58	10.64	25.36	14.72	4.99	3.65	8.65	9.37	24.00	14.63		

Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	5G_CH0						5G_CH1					
			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]
5965	65	0.00	-14.15	1.95	20.17	-1.36	7.97	6.61	-14.28	1.98	20.16	-1.14	7.87	6.73
6205	65	0.00	-14.16	2.01	20.16	-1.36	8.01	6.65	-14.70	1.99	20.16	-1.14	7.45	6.31
6405	65	0.00	-13.74	2.05	20.16	-1.36	8.47	7.11	-13.85	2.00	20.16	-1.14	8.31	7.17
6445	65	0.00	-14.20	2.08	20.16	-1.36	8.04	6.68	-14.09	2.02	20.16	-1.14	8.09	6.95
6485	65	0.00	-13.59	2.11	20.15	-1.36	8.68	7.32	-14.29	2.06	20.16	-1.14	7.93	6.79
6525	65	0.00	-13.75	2.11	20.15	-1.36	8.51	7.15	-14.75	2.05	20.16	-1.14	7.47	6.33
6565	65	0.00	-13.56	2.15	20.15	-1.36	8.74	7.38	-14.36	2.09	20.16	-1.14	7.89	6.75
6685	65	0.00	-14.16	2.17	20.15	-1.36	8.16	6.80	-15.08	2.09	20.16	-1.14	7.17	6.03
6845	65	0.00	-14.54	2.20	20.15	-1.36	7.81	6.45	-15.81	2.10	20.16	-1.14	6.45	5.31
6885	65	0.00	-14.49	2.21	20.15	-1.36	7.87	6.51	-15.83	2.10	20.16	-1.14	6.43	5.29
6925	65	0.00	-13.56	2.25	20.15	-1.36	8.84	7.48	-14.92	2.13	20.16	-1.14	7.37	6.23
7005	65	0.00	-13.73	2.26	20.15	-1.36	8.68	7.32	-15.06	2.14	20.16	-1.14	7.23	6.09
7085	65	0.00	-14.10	2.29	20.15	-1.36	8.34	6.98	-15.52	2.13	20.16	-1.14	6.77	5.63

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.2 Measurement Room
Date July 19, 2023
Temperature / Humidity 21 deg. C / 37 % RH
Engineer Ken Fujita
Mode Tx 11ax-80 (OFDM) (CDD)

[High Power mode]

11ax-80 (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	Antenna 5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Antenna 5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5985	12.14	11.78	23.92	13.79	-	-	9.34	9.06	18.40	12.65	24.00	11.35
6225	11.36	10.08	21.43	13.31	-	-	8.73	7.75	16.49	12.17	24.00	11.83
6385	12.12	12.58	24.70	13.93	-	-	9.32	9.67	19.00	12.79	24.00	11.21
6465	12.80	13.48	26.28	14.20	-	-	9.85	10.37	20.21	13.06	24.00	10.94
6545	13.37	12.18	25.55	14.07	-	-	10.29	9.37	19.65	12.93	24.00	11.07
6625	13.29	12.11	25.40	14.05	-	-	10.22	9.32	19.54	12.91	24.00	11.09
6705	12.97	11.26	24.23	13.84	-	-	9.98	8.66	18.64	12.70	24.00	11.30
6785	13.91	10.07	23.98	13.80	-	-	10.70	7.74	18.44	12.66	24.00	11.34
6865	13.33	10.05	23.38	13.69	-	-	10.25	7.73	17.98	12.55	24.00	11.45
6945	13.71	11.00	24.72	13.93	-	-	10.55	8.46	19.01	12.79	24.00	11.21
7025	12.76	10.20	22.96	13.61	-	-	9.81	7.85	17.66	12.47	24.00	11.53

Tested Frequency [MHz]	Duty Factor *1) [dB]	5G_CH0						5G_CH1					
		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5985	0.00	-11.27	1.96	20.16	-1.14	10.84	9.70	-11.46	2.00	20.18	-1.14	10.71	9.57
6225	0.00	-11.61	2.01	20.15	-1.14	10.55	9.41	-12.14	2.00	20.17	-1.14	10.03	8.89
6385	0.00	-11.36	2.04	20.15	-1.14	10.84	9.70	-11.18	2.01	20.17	-1.14	11.00	9.86
6465	0.00	-11.16	2.08	20.15	-1.14	11.07	9.93	-10.90	2.03	20.16	-1.14	11.30	10.16
6545	0.00	-11.00	2.11	20.15	-1.14	11.26	10.12	-11.41	2.10	20.16	-1.14	10.86	9.72
6625	0.00	-11.07	2.16	20.15	-1.14	11.24	10.10	-11.43	2.10	20.16	-1.14	10.83	9.69
6705	0.00	-11.19	2.17	20.15	-1.14	11.13	9.99	-11.75	2.10	20.16	-1.14	10.52	9.38
6785	0.00	-10.90	2.19	20.15	-1.14	11.43	10.29	-12.24	2.11	20.16	-1.14	10.03	8.89
6865	0.00	-11.10	2.20	20.14	-1.14	11.25	10.11	-12.25	2.11	20.16	-1.14	10.02	8.88
6945	0.00	-11.02	2.25	20.14	-1.14	11.37	10.23	-11.89	2.14	20.16	-1.14	10.42	9.28
7025	0.00	-11.35	2.27	20.14	-1.14	11.06	9.92	-12.21	2.13	20.16	-1.14	10.09	8.95

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.2 Measurement Room
Date July 24, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-80 (OFDM) (SDM)

[High Power mode]

11ax-80 (SDM)

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5985	12.25	11.51	23.77	13.76	-	-	8.96	8.86	17.81	12.51	24.00	11.49
6225	11.36	10.10	21.46	13.32	-	-	8.30	7.77	16.07	12.06	24.00	11.94
6385	12.38	12.63	25.01	13.98	-	-	9.05	9.72	18.77	12.73	24.00	11.27
6465	13.81	12.35	26.16	14.18	-	-	10.10	9.50	19.60	12.92	24.00	11.08
6545	13.75	12.46	26.21	14.18	-	-	10.05	9.58	19.63	12.93	24.00	11.07
6625	13.79	11.92	25.71	14.10	-	-	10.08	9.17	19.25	12.84	24.00	11.16
6705	13.12	11.16	24.28	13.85	-	-	9.59	8.58	18.17	12.59	24.00	11.41
6785	13.85	10.02	23.87	13.78	-	-	10.12	7.71	17.83	12.51	24.00	11.49
6865	13.33	10.21	23.54	13.72	-	-	9.74	7.86	17.60	12.46	24.00	11.54
6945	13.71	11.03	24.74	13.93	-	-	10.03	8.48	18.51	12.67	24.00	11.33
7025	12.90	10.51	23.42	13.70	-	-	9.43	8.09	17.52	12.44	24.00	11.56

		5G_CH0						5G_CH1					
Tested Frequency	Duty Factor	Power Meter	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter	Cable Loss	Atten. Loss	Antenna Gain	Result	
	*1)	Reading				Cond. Power	e.i.r.p.	Reading				Cond. Power	e.i.r.p.
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5985	0.00	-11.23	1.96	20.16	-1.36	10.88	9.52	-11.56	2.00	20.18	-1.14	10.61	9.47
6225	0.00	-11.61	2.01	20.15	-1.36	10.55	9.19	-12.13	2.00	20.17	-1.14	10.04	8.90
6385	0.00	-11.27	2.04	20.15	-1.36	10.93	9.57	-11.16	2.01	20.17	-1.14	11.02	9.88
6465	0.00	-10.83	2.08	20.15	-1.36	11.40	10.04	-11.28	2.03	20.16	-1.14	10.92	9.78
6545	0.00	-10.88	2.11	20.15	-1.36	11.38	10.02	-11.31	2.10	20.16	-1.14	10.96	9.82
6625	0.00	-10.91	2.16	20.15	-1.36	11.40	10.04	-11.50	2.10	20.16	-1.14	10.76	9.62
6705	0.00	-11.14	2.17	20.15	-1.36	11.18	9.82	-11.79	2.10	20.16	-1.14	10.48	9.34
6785	0.00	-10.92	2.19	20.15	-1.36	11.41	10.05	-12.26	2.11	20.16	-1.14	10.01	8.87
6865	0.00	-11.10	2.20	20.14	-1.36	11.25	9.89	-12.18	2.11	20.16	-1.14	10.09	8.95
6945	0.00	-11.02	2.25	20.14	-1.36	11.37	10.01	-11.88	2.14	20.16	-1.14	10.43	9.29
7025	0.00	-11.30	2.27	20.14	-1.36	11.11	9.75	-12.08	2.13	20.16	-1.14	10.22	9.08

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 8, 2024
Temperature / Humidity 23 deg. C / 58 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 26-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(CDD) 26-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5985	0	0.28	0.23	0.50	-2.97	-	-		0.21	0.18	0.39	-4.11	24.00	28.11
	18	0.27	0.23	0.50	-3.01	-	-		0.21	0.18	0.38	-4.15	24.00	28.15
	36	0.28	0.24	0.53	-2.79	-	-		0.22	0.19	0.40	-3.93	24.00	27.93
6225	0	0.33	0.29	0.62	-2.06	-	-		0.25	0.22	0.48	-3.20	24.00	27.20
	18	0.36	0.31	0.68	-1.69	-	-		0.28	0.24	0.52	-2.83	24.00	26.83
	36	0.36	0.30	0.66	-1.80	-	-		0.27	0.23	0.51	-2.94	24.00	26.94
6385	0	0.28	0.23	0.51	-2.93	-	-		0.22	0.18	0.39	-4.07	24.00	28.07
	18	0.27	0.22	0.50	-3.04	-	-		0.21	0.17	0.38	-4.18	24.00	28.18
	36	0.28	0.23	0.51	-2.96	-	-		0.21	0.18	0.39	-4.10	24.00	28.10
6465	0	0.36	0.29	0.64	-1.92	-	-		0.27	0.22	0.49	-3.06	24.00	27.06
	18	0.35	0.28	0.63	-2.02	-	-		0.27	0.21	0.48	-3.16	24.00	27.16
	36	0.36	0.29	0.65	-1.88	-	-		0.27	0.22	0.50	-3.02	24.00	27.02

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
5985	0	0.00	-7.56	1.96	0.00	-1.14	-5.60	-6.74	-8.38	1.98	0.00	-1.14	-6.40	-7.54
	18	0.00	-7.64	1.96	0.00	-1.14	-5.68	-6.82	-8.36	1.98	0.00	-1.14	-6.38	-7.52
	36	0.00	-7.46	1.96	0.00	-1.14	-5.50	-6.64	-8.10	1.98	0.00	-1.14	-6.12	-7.26
6225	0	0.00	-6.81	2.01	0.00	-1.14	-4.80	-5.94	-7.36	1.99	0.00	-1.14	-5.37	-6.51
	18	0.00	-6.39	2.01	0.00	-1.14	-4.38	-5.52	-7.04	1.99	0.00	-1.14	-5.05	-6.19
	36	0.00	-6.50	2.01	0.00	-1.14	-4.49	-5.63	-7.15	1.99	0.00	-1.14	-5.16	-6.30
6385	0	0.00	-7.56	2.05	0.00	-1.14	-5.51	-6.65	-8.42	2.00	0.00	-1.14	-6.42	-7.56
	18	0.00	-7.68	2.05	0.00	-1.14	-5.63	-6.77	-8.52	2.00	0.00	-1.14	-6.52	-7.66
	36	0.00	-7.61	2.05	0.00	-1.14	-5.56	-6.70	-8.41	2.00	0.00	-1.14	-6.41	-7.55
6465	0	0.00	-6.58	2.08	0.00	-1.14	-4.50	-5.64	-7.43	2.02	0.00	-1.14	-5.41	-6.55
	18	0.00	-6.64	2.08	0.00	-1.14	-4.56	-5.70	-7.58	2.02	0.00	-1.14	-5.56	-6.70
	36	0.00	-6.56	2.08	0.00	-1.14	-4.48	-5.62	-7.37	2.02	0.00	-1.14	-5.35	-6.49

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 8, 2024
Temperature / Humidity 23 deg. C / 58 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 26-tone RU (CDD)

[High Power mode / Standard Power mode]

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

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna 5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Antenna 5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
6545	0	0.39	0.26	0.66	-1.82	-	-	0.30	0.20	0.51	-2.96	24.00	26.96
	18	0.37	0.24	0.61	-2.12	-	-	0.28	0.19	0.47	-3.26	24.00	27.26
	36	0.36	0.25	0.60	-2.19	-	-	0.28	0.19	0.46	-3.33	24.00	27.33
6625	0	0.42	0.28	0.69	-1.60	-	-	0.32	0.21	0.53	-2.74	24.00	26.74
	18	0.37	0.25	0.62	-2.05	-	-	0.28	0.19	0.48	-3.19	24.00	27.19
	36	0.35	0.25	0.60	-2.22	-	-	0.27	0.19	0.46	-3.36	24.00	27.36
6705	0	0.41	0.25	0.66	-1.81	-	-	0.31	0.19	0.51	-2.95	24.00	26.95
	18	0.37	0.23	0.60	-2.20	-	-	0.29	0.18	0.46	-3.34	24.00	27.34
	36	0.37	0.22	0.59	-2.27	-	-	0.28	0.17	0.46	-3.41	24.00	27.41
6785	0	0.41	0.25	0.66	-1.82	-	-	0.31	0.19	0.51	-2.96	24.00	26.96
	18	0.35	0.23	0.58	-2.35	-	-	0.27	0.18	0.45	-3.49	24.00	27.49
	36	0.34	0.22	0.56	-2.53	-	-	0.26	0.17	0.43	-3.67	24.00	27.67
6865	0	0.38	0.23	0.61	-2.16	-	-	0.29	0.18	0.47	-3.30	24.00	27.30
	18	0.34	0.21	0.55	-2.62	-	-	0.26	0.16	0.42	-3.76	24.00	27.76
	36	0.33	0.20	0.53	-2.73	-	-	0.26	0.15	0.41	-3.87	24.00	27.87
6945	0	0.43	0.24	0.66	-1.77	-	-	0.33	0.18	0.51	-2.91	24.00	26.91
	18	0.37	0.21	0.58	-2.36	-	-	0.28	0.16	0.45	-3.50	24.00	27.50
	36	0.35	0.20	0.55	-2.60	-	-	0.27	0.15	0.42	-3.74	24.00	27.74
7025	0	0.36	0.19	0.55	-2.59	-	-	0.27	0.15	0.42	-3.73	24.00	27.73
	18	0.31	0.17	0.48	-3.16	-	-	0.24	0.13	0.37	-4.30	24.00	28.30
	36	0.30	0.16	0.46	-3.40	-	-	0.23	0.12	0.35	-4.54	24.00	28.54

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
6545	0	0.00	-6.17	2.11	0.00	-1.14	-4.06	-5.20	-7.87	2.09	0.00	-1.14	-5.78	-6.92
	18	0.00	-6.44	2.11	0.00	-1.14	-4.33	-5.47	-8.21	2.09	0.00	-1.14	-6.12	-7.26
	36	0.00	-6.56	2.11	0.00	-1.14	-4.45	-5.59	-8.20	2.09	0.00	-1.14	-6.11	-7.25
6625	0	0.00	-6.02	2.21	0.00	-1.14	-3.81	-4.95	-7.69	2.10	0.00	-1.14	-5.59	-6.73
	18	0.00	-6.52	2.21	0.00	-1.14	-4.31	-5.45	-8.07	2.10	0.00	-1.14	-5.97	-7.11
	36	0.00	-6.73	2.21	0.00	-1.14	-4.52	-5.66	-8.18	2.10	0.00	-1.14	-6.08	-7.22
6705	0	0.00	-6.07	2.18	0.00	-1.14	-3.89	-5.03	-8.09	2.09	0.00	-1.14	-6.00	-7.14
	18	0.00	-6.45	2.18	0.00	-1.14	-4.27	-5.41	-8.51	2.09	0.00	-1.14	-6.42	-7.56
	36	0.00	-6.51	2.18	0.00	-1.14	-4.33	-5.47	-8.59	2.09	0.00	-1.14	-6.50	-7.64
6785	0	0.00	-6.11	2.19	0.00	-1.14	-3.92	-5.06	-8.07	2.10	0.00	-1.14	-5.97	-7.11
	18	0.00	-6.73	2.19	0.00	-1.14	-4.54	-5.68	-8.48	2.10	0.00	-1.14	-6.38	-7.52
	36	0.00	-6.92	2.19	0.00	-1.14	-4.73	-5.87	-8.63	2.10	0.00	-1.14	-6.53	-7.67
6865	0	0.00	-6.39	2.19	0.00	-1.14	-4.20	-5.34	-8.52	2.10	0.00	-1.14	-6.42	-7.56
	18	0.00	-6.87	2.19	0.00	-1.14	-4.68	-5.82	-8.94	2.10	0.00	-1.14	-6.84	-7.98
	36	0.00	-6.95	2.19	0.00	-1.14	-4.76	-5.90	-9.11	2.10	0.00	-1.14	-7.01	-8.15
6945	0	0.00	-5.96	2.25	0.00	-1.14	-3.71	-4.85	-8.35	2.13	0.00	-1.14	-6.22	-7.36
	18	0.00	-6.57	2.25	0.00	-1.14	-4.32	-5.46	-8.90	2.13	0.00	-1.14	-6.77	-7.91
	36	0.00	-6.81	2.25	0.00	-1.14	-4.56	-5.70	-9.13	2.13	0.00	-1.14	-7.00	-8.14
7025	0	0.00	-6.74	2.27	0.00	-1.14	-4.47	-5.61	-9.27	2.13	0.00	-1.14	-7.14	-8.28
	18	0.00	-7.33	2.27	0.00	-1.14	-5.06	-6.20	-9.80	2.13	0.00	-1.14	-7.67	-8.81
	36	0.00	-7.55	2.27	0.00	-1.14	-5.28	-6.42	-10.07	2.13	0.00	-1.14	-7.94	-9.08

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 38 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80 (OFDMA) 26-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(SDM) 26-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				
5985	0	0.27	0.22	0.49	-3.08	-	-		0.20	0.17	0.37	-4.33	24.00	28.33	
	18	0.26	0.22	0.48	-3.17	-	-		0.19	0.17	0.36	-4.43	24.00	28.43	
	36	0.28	0.22	0.50	-3.01	-	-		0.20	0.17	0.37	-4.27	24.00	28.27	
6225	0	0.32	0.26	0.59	-2.31	-	-		0.24	0.20	0.44	-3.57	24.00	27.57	
	18	0.33	0.27	0.60	-2.22	-	-		0.24	0.21	0.45	-3.48	24.00	27.48	
	36	0.35	0.29	0.64	-1.93	-	-		0.26	0.22	0.48	-3.19	24.00	27.19	
6385	0	0.28	0.21	0.49	-3.08	-	-		0.20	0.16	0.37	-4.34	24.00	28.34	
	18	0.27	0.20	0.47	-3.28	-	-		0.19	0.16	0.35	-4.54	24.00	28.54	
	36	0.27	0.21	0.48	-3.16	-	-		0.20	0.16	0.36	-4.42	24.00	28.42	
6465	0	0.37	0.27	0.63	-1.97	-	-		0.27	0.20	0.47	-3.24	24.00	27.24	
	18	0.34	0.24	0.58	-2.34	-	-		0.25	0.19	0.44	-3.61	24.00	27.61	
	36	0.33	0.24	0.57	-2.48	-	-		0.24	0.18	0.42	-3.74	24.00	27.74	

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		e.i.r.p. [dBm]
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]	
5985	0	0.00	-7.66	1.96	0.00	-1.36	-5.70	-7.06	-8.49	1.98	0.00	-1.14	-6.51	-7.65	
	18	0.00	-7.74	1.96	0.00	-1.36	-5.78	-7.14	-8.60	1.98	0.00	-1.14	-6.62	-7.76	
	36	0.00	-7.52	1.96	0.00	-1.36	-5.56	-6.92	-8.52	1.98	0.00	-1.14	-6.54	-7.68	
6225	0	0.00	-6.92	2.01	0.00	-1.36	-4.91	-6.27	-7.77	1.99	0.00	-1.14	-5.78	-6.92	
	18	0.00	-6.83	2.01	0.00	-1.36	-4.82	-6.18	-7.68	1.99	0.00	-1.14	-5.69	-6.83	
	36	0.00	-6.51	2.01	0.00	-1.36	-4.50	-5.86	-7.42	1.99	0.00	-1.14	-5.43	-6.57	
6385	0	0.00	-7.61	2.05	0.00	-1.36	-5.56	-6.92	-8.69	2.00	0.00	-1.14	-6.69	-7.83	
	18	0.00	-7.81	2.05	0.00	-1.36	-5.76	-7.12	-8.89	2.00	0.00	-1.14	-6.89	-8.03	
	36	0.00	-7.71	2.05	0.00	-1.36	-5.66	-7.02	-8.74	2.00	0.00	-1.14	-6.74	-7.88	
6465	0	0.00	-6.41	2.08	0.00	-1.36	-4.33	-5.69	-7.78	2.02	0.00	-1.14	-5.76	-6.90	
	18	0.00	-6.76	2.08	0.00	-1.36	-4.68	-6.04	-8.17	2.02	0.00	-1.14	-6.15	-7.29	
	36	0.00	-6.90	2.08	0.00	-1.36	-4.82	-6.18	-8.30	2.02	0.00	-1.14	-6.28	-7.42	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 38 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80 (OFDMA) 26-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(SDM) 26-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				
6545	0	0.39	0.25	0.64	-1.95	-	-		0.28	0.19	0.48	-3.22	24.00	27.22	
	18	0.36	0.23	0.59	-2.28	-	-		0.26	0.18	0.44	-3.55	24.00	27.55	
	36	0.35	0.23	0.58	-2.38	-	-		0.26	0.18	0.43	-3.65	24.00	27.65	
6625	0	0.41	0.26	0.67	-1.71	-	-		0.30	0.20	0.50	-2.98	24.00	26.98	
	18	0.37	0.24	0.61	-2.16	-	-		0.27	0.18	0.45	-3.43	24.00	27.43	
	36	0.36	0.22	0.58	-2.40	-	-		0.26	0.17	0.43	-3.67	24.00	27.67	
6705	0	0.41	0.23	0.64	-1.93	-	-		0.30	0.18	0.48	-3.21	24.00	27.21	
	18	0.37	0.21	0.58	-2.35	-	-		0.27	0.16	0.43	-3.62	24.00	27.62	
	36	0.36	0.21	0.57	-2.45	-	-		0.26	0.16	0.42	-3.73	24.00	27.73	
6785	0	0.39	0.24	0.63	-1.98	-	-		0.29	0.18	0.47	-3.26	24.00	27.26	
	18	0.35	0.21	0.56	-2.50	-	-		0.25	0.16	0.42	-3.78	24.00	27.78	
	36	0.33	0.20	0.52	-2.81	-	-		0.24	0.15	0.39	-4.08	24.00	28.08	
6865	0	0.38	0.21	0.59	-2.32	-	-		0.28	0.16	0.44	-3.60	24.00	27.60	
	18	0.34	0.19	0.52	-2.81	-	-		0.25	0.14	0.39	-4.09	24.00	28.09	
	36	0.33	0.18	0.51	-2.91	-	-		0.24	0.14	0.38	-4.19	24.00	28.19	
6945	0	0.45	0.25	0.70	-1.53	-	-		0.33	0.19	0.52	-2.82	24.00	26.82	
	18	0.39	0.22	0.62	-2.10	-	-		0.29	0.17	0.46	-3.38	24.00	27.38	
	36	0.39	0.21	0.60	-2.23	-	-		0.28	0.16	0.45	-3.51	24.00	27.51	
7025	0	0.39	0.20	0.60	-2.25	-	-		0.29	0.16	0.44	-3.54	24.00	27.54	
	18	0.35	0.18	0.52	-2.81	-	-		0.25	0.14	0.39	-4.09	24.00	28.09	
	36	0.33	0.17	0.51	-2.96	-	-		0.24	0.13	0.38	-4.24	24.00	28.24	

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1)	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]	
6545	0	0.00	-6.23	2.11	0.00	-1.36	-4.12	-5.48	-8.09	2.09	0.00	-1.14	-6.00	-7.14	
	18	0.00	-6.58	2.11	0.00	-1.36	-4.47	-5.83	-8.40	2.09	0.00	-1.14	-6.31	-7.45	
	36	0.00	-6.68	2.11	0.00	-1.36	-4.57	-5.93	-8.51	2.09	0.00	-1.14	-6.42	-7.56	
6625	0	0.00	-6.06	2.21	0.00	-1.36	-3.85	-5.21	-7.90	2.10	0.00	-1.14	-5.80	-6.94	
	18	0.00	-6.54	2.21	0.00	-1.36	-4.33	-5.69	-8.31	2.10	0.00	-1.14	-6.21	-7.35	
	36	0.00	-6.69	2.21	0.00	-1.36	-4.48	-5.84	-8.68	2.10	0.00	-1.14	-6.58	-7.72	
6705	0	0.00	-6.09	2.18	0.00	-1.36	-3.91	-5.27	-8.39	2.09	0.00	-1.14	-6.30	-7.44	
	18	0.00	-6.51	2.18	0.00	-1.36	-4.33	-5.69	-8.79	2.09	0.00	-1.14	-6.70	-7.84	
	36	0.00	-6.63	2.18	0.00	-1.36	-4.45	-5.81	-8.86	2.09	0.00	-1.14	-6.77	-7.91	
6785	0	0.00	-6.24	2.19	0.00	-1.36	-4.05	-5.41	-8.30	2.10	0.00	-1.14	-6.20	-7.34	
	18	0.00	-6.78	2.19	0.00	-1.36	-4.59	-5.95	-8.79	2.10	0.00	-1.14	-6.69	-7.83	
	36	0.00	-7.06	2.19	0.00	-1.36	-4.87	-6.23	-9.13	2.10	0.00	-1.14	-7.03	-8.17	
6865	0	0.00	-6.42	2.19	0.00	-1.36	-4.23	-5.59	-8.90	2.10	0.00	-1.14	-6.80	-7.94	
	18	0.00	-6.90	2.19	0.00	-1.36	-4.71	-6.07	-9.41	2.10	0.00	-1.14	-7.31	-8.45	
	36	0.00	-7.05	2.19	0.00	-1.36	-4.86	-6.22	-9.43	2.10	0.00	-1.14	-7.33	-8.47	
6945	0	0.00	-5.70	2.25	0.00	-1.36	-3.45	-4.81	-8.15	2.13	0.00	-1.14	-6.02	-7.16	
	18	0.00	-6.29	2.25	0.00	-1.36	-4.04	-5.40	-8.66	2.13	0.00	-1.14	-6.53	-7.67	
	36	0.00	-6.37	2.25	0.00	-1.36	-4.12	-5.48	-8.90	2.13	0.00	-1.14	-6.77	-7.91	
7025	0	0.00	-6.35	2.27	0.00	-1.36	-4.08	-5.44	-9.02	2.13	0.00	-1.14	-6.89	-8.03	
	18	0.00	-6.88	2.27	0.00	-1.36	-4.61	-5.97	-9.63	2.13	0.00	-1.14	-7.50	-8.64	
	36	0.00	-7.06	2.27	0.00	-1.36	-4.79	-6.15	-9.71	2.13	0.00	-1.14	-7.58	-8.72	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 8, 2024
Temperature / Humidity 23 deg. C / 58 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 52-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(CDD) 52-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
6545	37	0.81	0.56	1.36	1.34	-	-	0.62	0.43	1.05	0.20	24.00	23.80
	44	0.73	0.52	1.24	0.95	-	-	0.56	0.40	0.96	-0.19	24.00	24.19
	52	0.71	0.49	1.20	0.78	-	-	0.55	0.37	0.92	-0.36	24.00	24.36
6625	37	0.77	0.50	1.27	1.04	-	-	0.59	0.38	0.98	-0.10	24.00	24.10
	44	0.73	0.46	1.19	0.76	-	-	0.56	0.35	0.92	-0.38	24.00	24.38
	52	0.71	0.46	1.17	0.67	-	-	0.55	0.35	0.90	-0.47	24.00	24.47
6705	37	0.77	0.50	1.27	1.04	-	-	0.59	0.38	0.98	-0.10	24.00	24.10
	44	0.73	0.46	1.19	0.76	-	-	0.56	0.35	0.92	-0.38	24.00	24.38
	52	0.71	0.46	1.17	0.67	-	-	0.55	0.35	0.90	-0.47	24.00	24.47
6785	37	0.78	0.52	1.30	1.13	-	-	0.60	0.40	1.00	-0.01	24.00	24.01
	44	0.71	0.48	1.19	0.76	-	-	0.55	0.37	0.92	-0.38	24.00	24.38
	52	0.68	0.46	1.13	0.55	-	-	0.52	0.35	0.87	-0.59	24.00	24.59
6865	37	0.77	0.46	1.22	0.87	-	-	0.59	0.35	0.94	-0.27	24.00	24.27
	44	0.69	0.42	1.11	0.47	-	-	0.53	0.32	0.86	-0.67	24.00	24.67
	52	0.67	0.41	1.07	0.31	-	-	0.51	0.31	0.83	-0.83	24.00	24.83
6945	37	0.84	0.47	1.31	1.18	-	-	0.65	0.36	1.01	0.04	24.00	23.96
	44	0.76	0.44	1.20	0.79	-	-	0.58	0.34	0.92	-0.35	24.00	24.35
	52	0.72	0.41	1.13	0.53	-	-	0.55	0.31	0.87	-0.61	24.00	24.61
7025	37	0.71	0.39	1.10	0.41	-	-	0.55	0.30	0.85	-0.73	24.00	24.73
	44	0.64	0.37	1.01	0.04	-	-	0.50	0.28	0.78	-1.10	24.00	25.10
	52	0.60	0.34	0.94	-0.27	-	-	0.46	0.26	0.72	-1.41	24.00	25.41

		5G_CH0							5G_CH1						
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]	
6545	37	0.00	-3.23	2.11	0.00	-1.14	-1.12	-2.26	-4.81	2.09	0.00	-1.14	-2.72	-3.86	
	44	0.00	-3.55	2.11	0.00	-1.14	-1.44	-2.58	-5.09	2.09	0.00	-1.14	-3.00	-4.14	
	52	0.00	-3.66	2.11	0.00	-1.14	-1.55	-2.69	-5.22	2.09	0.00	-1.14	-3.13	-4.27	
6625	37	0.00	-3.10	2.16	0.00	-1.14	-0.94	-2.08	-4.64	2.09	0.00	-1.14	-2.55	-3.69	
	44	0.00	-3.53	2.16	0.00	-1.14	-1.37	-2.51	-4.97	2.09	0.00	-1.14	-2.88	-4.02	
	52	0.00	-3.64	2.16	0.00	-1.14	-1.48	-2.62	-5.22	2.09	0.00	-1.14	-3.13	-4.27	
6705	37	0.00	-3.30	2.18	0.00	-1.14	-1.12	-2.26	-5.11	2.09	0.00	-1.14	-3.02	-4.16	
	44	0.00	-3.54	2.18	0.00	-1.14	-1.36	-2.50	-5.47	2.09	0.00	-1.14	-3.38	-4.52	
	52	0.00	-3.66	2.18	0.00	-1.14	-1.48	-2.62	-5.50	2.09	0.00	-1.14	-3.41	-4.55	
6785	37	0.00	-3.26	2.19	0.00	-1.14	-1.07	-2.21	-4.97	2.10	0.00	-1.14	-2.87	-4.01	
	44	0.00	-3.68	2.19	0.00	-1.14	-1.49	-2.63	-5.28	2.10	0.00	-1.14	-3.18	-4.32	
	52	0.00	-3.88	2.19	0.00	-1.14	-1.69	-2.83	-5.50	2.10	0.00	-1.14	-3.40	-4.54	
6865	37	0.00	-3.35	2.19	0.00	-1.14	-1.16	-2.30	-5.50	2.10	0.00	-1.14	-3.40	-4.54	
	44	0.00	-3.78	2.19	0.00	-1.14	-1.59	-2.73	-5.86	2.10	0.00	-1.14	-3.76	-4.90	
	52	0.00	-3.94	2.19	0.00	-1.14	-1.75	-2.89	-6.01	2.10	0.00	-1.14	-3.91	-5.05	
6945	37	0.00	-3.00	2.25	0.00	-1.14	-0.75	-1.89	-5.40	2.13	0.00	-1.14	-3.27	-4.41	
	44	0.00	-3.45	2.25	0.00	-1.14	-1.20	-2.34	-5.69	2.13	0.00	-1.14	-3.56	-4.70	
	52	0.00	-3.67	2.25	0.00	-1.14	-1.42	-2.56	-6.02	2.13	0.00	-1.14	-3.89	-5.03	
7025	37	0.00	-3.76	2.27	0.00	-1.14	-1.49	-2.63	-6.21	2.13	0.00	-1.14	-4.08	-5.22	
	44	0.00	-4.18	2.27	0.00	-1.14	-1.91	-3.05	-6.50	2.13	0.00	-1.14	-4.37	-5.51	
	52	0.00	-4.48	2.27	0.00	-1.14	-2.21	-3.35	-6.82	2.13	0.00	-1.14	-4.69	-5.83	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 8, 2024
Temperature / Humidity 23 deg. C / 58 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 52-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(CDD) 52-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency	RU Index	Conducted power						e.i.r.p.					
		5G_CH0	5G_CH1	Sum	Result	Limit	Margin	5G_CH0	5G_CH1	Sum	Result	Limit	Margin
[MHz]		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
6545	37	0.81	0.56	1.36	1.34	-	-	0.62	0.43	1.05	0.20	24.00	23.80
	44	0.73	0.52	1.24	0.95	-	-	0.56	0.40	0.96	-0.19	24.00	24.19
	52	0.71	0.49	1.20	0.78	-	-	0.55	0.37	0.92	-0.36	24.00	24.36
6625	37	0.77	0.50	1.27	1.04	-	-	0.59	0.38	0.98	-0.10	24.00	24.10
	44	0.73	0.46	1.19	0.76	-	-	0.56	0.35	0.92	-0.38	24.00	24.38
	52	0.71	0.46	1.17	0.67	-	-	0.55	0.35	0.90	-0.47	24.00	24.47
6705	37	0.77	0.50	1.27	1.04	-	-	0.59	0.38	0.98	-0.10	24.00	24.10
	44	0.73	0.46	1.19	0.76	-	-	0.56	0.35	0.92	-0.38	24.00	24.38
	52	0.71	0.46	1.17	0.67	-	-	0.55	0.35	0.90	-0.47	24.00	24.47
6785	37	0.78	0.52	1.30	1.13	-	-	0.60	0.40	1.00	-0.01	24.00	24.01
	44	0.71	0.48	1.19	0.76	-	-	0.55	0.37	0.92	-0.38	24.00	24.38
	52	0.68	0.46	1.13	0.55	-	-	0.52	0.35	0.87	-0.59	24.00	24.59
6865	37	0.77	0.46	1.22	0.87	-	-	0.59	0.35	0.94	-0.27	24.00	24.27
	44	0.69	0.42	1.11	0.47	-	-	0.53	0.32	0.86	-0.67	24.00	24.67
	52	0.67	0.41	1.07	0.31	-	-	0.51	0.31	0.83	-0.83	24.00	24.83
6945	37	0.84	0.47	1.31	1.18	-	-	0.65	0.36	1.01	0.04	24.00	23.96
	44	0.76	0.44	1.20	0.79	-	-	0.58	0.34	0.92	-0.35	24.00	24.35
	52	0.72	0.41	1.13	0.53	-	-	0.55	0.31	0.87	-0.61	24.00	24.61
7025	37	0.71	0.39	1.10	0.41	-	-	0.55	0.30	0.85	-0.73	24.00	24.73
	44	0.64	0.37	1.01	0.04	-	-	0.50	0.28	0.78	-1.10	24.00	25.10
	52	0.60	0.34	0.94	-0.27	-	-	0.46	0.26	0.72	-1.41	24.00	25.41

		5G_CH0							5G_CH1						
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]	
6545	37	0.00	-3.23	2.11	0.00	-1.14	-1.12	-2.26	-4.81	2.09	0.00	-1.14	-2.72	-3.86	
	44	0.00	-3.55	2.11	0.00	-1.14	-1.44	-2.58	-5.09	2.09	0.00	-1.14	-3.00	-4.14	
	52	0.00	-3.66	2.11	0.00	-1.14	-1.55	-2.69	-5.22	2.09	0.00	-1.14	-3.13	-4.27	
6545	37	0.00	-3.10	2.16	0.00	-1.14	-0.94	-2.08	-4.64	2.09	0.00	-1.14	-2.55	-3.69	
	44	0.00	-3.53	2.16	0.00	-1.14	-1.37	-2.51	-4.97	2.09	0.00	-1.14	-2.88	-4.02	
	52	0.00	-3.64	2.16	0.00	-1.14	-1.48	-2.62	-5.22	2.09	0.00	-1.14	-3.13	-4.27	
6705	37	0.00	-3.30	2.18	0.00	-1.14	-1.12	-2.26	-5.11	2.09	0.00	-1.14	-3.02	-4.16	
	44	0.00	-3.54	2.18	0.00	-1.14	-1.36	-2.50	-5.47	2.09	0.00	-1.14	-3.38	-4.52	
	52	0.00	-3.66	2.18	0.00	-1.14	-1.48	-2.62	-5.50	2.09	0.00	-1.14	-3.41	-4.55	
6785	37	0.00	-3.26	2.19	0.00	-1.14	-1.07	-2.21	-4.97	2.10	0.00	-1.14	-2.87	-4.01	
	44	0.00	-3.68	2.19	0.00	-1.14	-1.49	-2.63	-5.28	2.10	0.00	-1.14	-3.18	-4.32	
	52	0.00	-3.88	2.19	0.00	-1.14	-1.69	-2.83	-5.50	2.10	0.00	-1.14	-3.40	-4.54	
6865	37	0.00	-3.35	2.19	0.00	-1.14	-1.16	-2.30	-5.50	2.10	0.00	-1.14	-3.40	-4.54	
	44	0.00	-3.78	2.19	0.00	-1.14	-1.59	-2.73	-5.86	2.10	0.00	-1.14	-3.76	-4.90	
	52	0.00	-3.94	2.19	0.00	-1.14	-1.75	-2.89	-6.01	2.10	0.00	-1.14	-3.91	-5.05	
6945	37	0.00	-3.00	2.25	0.00	-1.14	-0.75	-1.89	-5.40	2.13	0.00	-1.14	-3.27	-4.41	
	44	0.00	-3.45	2.25	0.00	-1.14	-1.20	-2.34	-5.69	2.13	0.00	-1.14	-3.56	-4.70	
	52	0.00	-3.67	2.25	0.00	-1.14	-1.42	-2.56	-6.02	2.13	0.00	-1.14	-3.89	-5.03	
7025	37	0.00	-3.76	2.27	0.00	-1.14	-1.49	-2.63	-6.21	2.13	0.00	-1.14	-4.08	-5.22	
	44	0.00	-4.18	2.27	0.00	-1.14	-1.91	-3.05	-6.50	2.13	0.00	-1.14	-4.37	-5.51	
	52	0.00	-4.48	2.27	0.00	-1.14	-2.21	-3.35	-6.82	2.13	0.00	-1.14	-4.69	-5.83	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 8, 2024
Temperature / Humidity 23 deg. C / 58 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 52-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(SDM) 52-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5985	37	0.58	0.50	1.09	0.36	-	-	0.43	0.39	0.81	-0.90	24.00	24.90
	44	0.58	0.48	1.07	0.29	-	-	0.43	0.37	0.80	-0.97	24.00	24.97
	52	0.62	0.50	1.12	0.50	-	-	0.46	0.38	0.84	-0.76	24.00	24.76
6225	37	0.72	0.57	1.29	1.09	-	-	0.53	0.44	0.96	-0.17	24.00	24.17
	44	0.72	0.57	1.29	1.12	-	-	0.53	0.44	0.97	-0.14	24.00	24.14
	52	0.79	0.62	1.41	1.49	-	-	0.58	0.48	1.05	0.23	24.00	23.77
6385	37	0.62	0.48	1.09	0.39	-	-	0.45	0.37	0.82	-0.87	24.00	24.87
	44	0.59	0.46	1.05	0.21	-	-	0.43	0.35	0.79	-1.05	24.00	25.05
	52	0.61	0.48	1.09	0.36	-	-	0.44	0.37	0.81	-0.90	24.00	24.90
6465	37	0.72	0.55	1.26	1.02	-	-	0.52	0.42	0.95	-0.24	24.00	24.24
	44	0.66	0.51	1.18	0.71	-	-	0.49	0.40	0.88	-0.55	24.00	24.55
	52	0.64	0.48	1.13	0.52	-	-	0.47	0.37	0.84	-0.74	24.00	24.74

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	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]
5985	37	0.00	-4.30	1.96	0.00	-1.36	-2.34	-3.70	-4.97	1.98	0.00	-1.14	-2.99	-4.13
	44	0.00	-4.29	1.96	0.00	-1.36	-2.33	-3.69	-5.13	1.98	0.00	-1.14	-3.15	-4.29
	52	0.00	-4.01	1.96	0.00	-1.36	-2.05	-3.41	-5.00	1.98	0.00	-1.14	-3.02	-4.16
6225	37	0.00	-3.44	2.01	0.00	-1.36	-1.43	-2.79	-4.46	1.99	0.00	-1.14	-2.47	-3.61
	44	0.00	-3.44	2.01	0.00	-1.36	-1.43	-2.79	-4.40	1.99	0.00	-1.14	-2.41	-3.55
	52	0.00	-3.03	2.01	0.00	-1.36	-1.02	-2.38	-4.07	1.99	0.00	-1.14	-2.08	-3.22
6385	37	0.00	-4.15	2.05	0.00	-1.36	-2.10	-3.46	-5.21	2.00	0.00	-1.14	-3.21	-4.35
	44	0.00	-4.32	2.05	0.00	-1.36	-2.27	-3.63	-5.39	2.00	0.00	-1.14	-3.39	-4.53
	52	0.00	-4.22	2.05	0.00	-1.36	-2.17	-3.53	-5.18	2.00	0.00	-1.14	-3.18	-4.32
6465	37	0.00	-3.54	2.08	0.00	-1.36	-1.46	-2.82	-4.62	2.02	0.00	-1.14	-2.60	-3.74
	44	0.00	-3.86	2.08	0.00	-1.36	-1.78	-3.14	-4.91	2.02	0.00	-1.14	-2.89	-4.03
	52	0.00	-3.99	2.08	0.00	-1.36	-1.91	-3.27	-5.18	2.02	0.00	-1.14	-3.16	-4.30

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 38 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80 (OFDMA) 52-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(SDM) 52-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				
6545	37	0.78	0.49	1.26	1.02	-	-		0.57	0.38	0.94	-0.26	24.00	24.26	
	44	0.72	0.47	1.18	0.72	-	-		0.52	0.36	0.88	-0.55	24.00	24.55	
	52	0.70	0.45	1.14	0.59	-	-		0.51	0.34	0.85	-0.69	24.00	24.69	
6625	37	0.80	0.39	1.19	0.76	-	-		0.59	0.30	0.88	-0.53	24.00	24.53	
	44	0.73	0.35	1.08	0.34	-	-		0.53	0.27	0.80	-0.95	24.00	24.95	
	52	0.69	0.33	1.02	0.07	-	-		0.50	0.25	0.76	-1.22	24.00	25.22	
6705	37	0.76	0.47	1.23	0.89	-	-		0.55	0.36	0.92	-0.38	24.00	24.38	
	44	0.71	0.42	1.12	0.50	-	-		0.52	0.32	0.84	-0.77	24.00	24.77	
	52	0.70	0.41	1.12	0.47	-	-		0.51	0.32	0.83	-0.80	24.00	24.80	
6785	37	0.77	0.48	1.25	0.98	-	-		0.56	0.37	0.94	-0.29	24.00	24.29	
	44	0.70	0.44	1.14	0.58	-	-		0.51	0.34	0.85	-0.69	24.00	24.69	
	52	0.67	0.40	1.07	0.28	-	-		0.49	0.31	0.80	-0.99	24.00	24.99	
6865	37	0.74	0.42	1.17	0.68	-	-		0.54	0.33	0.87	-0.60	24.00	24.60	
	44	0.67	0.38	1.05	0.22	-	-		0.49	0.29	0.78	-1.06	24.00	25.06	
	52	0.67	0.36	1.03	0.13	-	-		0.49	0.28	0.77	-1.15	24.00	25.15	
6945	37	0.88	0.49	1.37	1.36	-	-		0.64	0.38	1.02	0.08	24.00	23.92	
	44	0.81	0.45	1.26	1.00	-	-		0.59	0.35	0.94	-0.28	24.00	24.28	
	52	0.76	0.42	1.19	0.74	-	-		0.56	0.33	0.88	-0.54	24.00	24.54	
7025	37	0.75	0.41	1.15	0.62	-	-		0.55	0.31	0.86	-0.66	24.00	24.66	
	44	0.68	0.36	1.04	0.18	-	-		0.50	0.28	0.78	-1.10	24.00	25.10	
	52	0.66	0.34	1.01	0.03	-	-		0.49	0.26	0.75	-1.26	24.00	25.26	

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1) [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]	
6545	37	0.00	-3.22	2.11	0.00	-1.36	-1.11	-2.47	-5.20	2.09	0.00	-1.14	-3.11	-4.25	
	44	0.00	-3.57	2.11	0.00	-1.36	-1.46	-2.82	-5.41	2.09	0.00	-1.14	-3.32	-4.46	
	52	0.00	-3.67	2.11	0.00	-1.36	-1.56	-2.92	-5.60	2.09	0.00	-1.14	-3.51	-4.65	
6625	37	0.00	-3.11	2.16	0.00	-1.36	-0.95	-2.31	-1.36	-4.86	2.09	-1.14	-4.13	-5.27	
	44	0.00	-3.54	2.16	0.00	-1.36	-1.38	-2.74	-1.36	-5.24	2.09	-1.14	-4.51	-5.65	
	52	0.00	-3.78	2.16	0.00	-1.36	-1.62	-2.98	-1.36	-5.57	2.09	-1.14	-4.84	-5.98	
6705	37	0.00	-3.39	2.18	0.00	-1.36	-1.21	-2.57	-5.35	2.09	0.00	-1.14	-3.26	-4.40	
	44	0.00	-3.69	2.18	0.00	-1.36	-1.51	-2.87	-5.89	2.09	0.00	-1.14	-3.80	-4.94	
	52	0.00	-3.72	2.18	0.00	-1.36	-1.54	-2.90	-5.92	2.09	0.00	-1.14	-3.83	-4.97	
6785	37	0.00	-3.33	2.19	0.00	-1.36	-1.14	-2.50	-5.24	2.10	0.00	-1.14	-3.14	-4.28	
	44	0.00	-3.75	2.19	0.00	-1.36	-1.56	-2.92	-5.62	2.10	0.00	-1.14	-3.52	-4.66	
	52	0.00	-3.94	2.19	0.00	-1.36	-1.75	-3.11	-6.09	2.10	0.00	-1.14	-3.99	-5.13	
6865	37	0.00	-3.47	2.19	0.00	-1.36	-1.28	-2.64	-5.82	2.10	0.00	-1.14	-3.72	-4.86	
	44	0.00	-3.91	2.19	0.00	-1.36	-1.72	-3.08	-6.32	2.10	0.00	-1.14	-4.22	-5.36	
	52	0.00	-3.95	2.19	0.00	-1.36	-1.76	-3.12	-6.49	2.10	0.00	-1.14	-4.39	-5.53	
6945	37	0.00	-2.81	2.25	0.00	-1.36	-0.56	-1.92	-5.24	2.13	0.00	-1.14	-3.11	-4.25	
	44	0.00	-3.17	2.25	0.00	-1.36	-0.92	-2.28	-5.61	2.13	0.00	-1.14	-3.48	-4.62	
	52	0.00	-3.43	2.25	0.00	-1.36	-1.18	-2.54	-5.86	2.13	0.00	-1.14	-3.73	-4.87	
7025	37	0.00	-3.53	2.27	0.00	-1.36	-1.26	-2.62	-6.05	2.13	0.00	-1.14	-3.92	-5.06	
	44	0.00	-3.93	2.27	0.00	-1.36	-1.66	-3.02	-6.55	2.13	0.00	-1.14	-4.42	-5.56	
	52	0.00	-4.05	2.27	0.00	-1.36	-1.78	-3.14	-6.78	2.13	0.00	-1.14	-4.65	-5.79	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 2
Date May 8, 2024
Temperature / Humidity 23 deg. C / 58 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 106-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(CDD) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5985	53	0.83	0.70	1.53	1.84	-	-		0.64	0.54	1.18	0.70	24.00	23.30
	56	0.82	0.72	1.54	1.88	-	-		0.63	0.56	1.19	0.74	24.00	23.26
	60	0.86	0.76	1.62	2.09	-	-		0.66	0.58	1.25	0.95	24.00	23.05
6225	53	1.02	0.86	1.88	2.74	-	-		0.79	0.66	1.45	1.60	24.00	22.40
	56	1.02	0.84	1.86	2.69	-	-		0.78	0.64	1.43	1.55	24.00	22.45
	60	1.06	0.89	1.95	2.90	-	-		0.82	0.68	1.50	1.76	24.00	22.24
6385	53	0.82	0.66	1.48	1.70	-	-		0.63	0.50	1.14	0.56	24.00	23.44
	56	0.80	0.64	1.43	1.57	-	-		0.61	0.49	1.10	0.43	24.00	23.57
	60	0.82	0.67	1.49	1.74	-	-		0.63	0.51	1.15	0.60	24.00	23.40
6465	53	1.07	0.85	1.92	2.83	-	-		0.82	0.65	1.48	1.69	24.00	22.31
	56	1.03	0.80	1.82	2.61	-	-		0.79	0.61	1.40	1.47	24.00	22.53
	60	1.02	0.78	1.80	2.56	-	-		0.79	0.60	1.39	1.42	24.00	22.58

5G_CH0									5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result	
[MHz]		[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.
							[dBm]	[dBm]	[dBm]				[dBm]	[dBm]
5985	53	0.00	-22.96	1.96	20.17	-1.14	-0.83	-1.97	-23.68	1.98	20.16	-1.14	-1.53	-2.67
	56	0.00	-22.99	1.96	20.17	-1.14	-0.86	-2.00	-23.56	1.98	20.16	-1.14	-1.41	-2.55
	60	0.00	-22.77	1.96	20.17	-1.14	-0.64	-1.78	-23.36	1.98	20.16	-1.14	-1.21	-2.35
6225	53	0.00	-22.07	2.01	20.16	-1.14	0.10	-1.04	-22.83	1.99	20.16	-1.14	-0.67	-1.81
	56	0.00	-22.10	2.01	20.16	-1.14	0.07	-1.07	-22.92	1.99	20.16	-1.14	-0.76	-1.90
	60	0.00	-21.91	2.01	20.16	-1.14	0.26	-0.88	-22.67	1.99	20.16	-1.14	-0.51	-1.65
6385	53	0.00	-23.05	2.05	20.16	-1.14	-0.85	-1.99	-23.99	2.00	20.16	-1.14	-1.83	-2.97
	56	0.00	-23.18	2.05	20.16	-1.14	-0.98	-2.12	-24.13	2.00	20.16	-1.14	-1.97	-3.11
	60	0.00	-23.04	2.05	20.16	-1.14	-0.84	-1.98	-23.92	2.00	20.16	-1.14	-1.76	-2.90
6465	53	0.00	-21.94	2.08	20.16	-1.14	0.30	-0.84	-22.90	2.02	20.16	-1.14	-0.72	-1.86
	56	0.00	-22.13	2.08	20.16	-1.14	0.11	-1.03	-23.17	2.02	20.16	-1.14	-0.99	-2.13
	60	0.00	-22.14	2.08	20.16	-1.14	0.10	-1.04	-23.27	2.02	20.16	-1.14	-1.09	-2.23

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) ≤ 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 2
Date May 8, 2024
Temperature / Humidity 23 deg. C / 58 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 106-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(CDD) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	
6545	53	1.04	0.69	1.73	2.38	-	-		0.80	0.53	1.33	1.24	24.00	22.76	
	56	0.96	0.66	1.62	2.10	-	-		0.74	0.51	1.25	0.96	24.00	23.04	
	60	0.91	0.62	1.53	1.86	-	-		0.70	0.48	1.18	0.72	24.00	23.28	
6625	53	1.04	0.69	1.73	2.38	-	-		0.80	0.53	1.33	1.24	24.00	22.76	
	56	0.96	0.66	1.62	2.10	-	-		0.74	0.51	1.25	0.96	24.00	23.04	
	60	0.91	0.62	1.53	1.86	-	-		0.70	0.48	1.18	0.72	24.00	23.28	
6705	53	1.06	0.69	1.75	2.42	-	-		0.82	0.53	1.34	1.28	24.00	22.72	
	56	0.98	0.62	1.60	2.05	-	-		0.76	0.48	1.23	0.91	24.00	23.09	
	60	0.94	0.59	1.53	1.86	-	-		0.72	0.46	1.18	0.72	24.00	23.28	
6785	53	1.02	0.68	1.70	2.31	-	-		0.79	0.52	1.31	1.17	24.00	22.83	
	56	0.92	0.61	1.54	1.87	-	-		0.71	0.47	1.18	0.73	24.00	23.27	
	60	0.91	0.60	1.50	1.77	-	-		0.70	0.46	1.16	0.63	24.00	23.37	
6865	53	1.02	0.62	1.64	2.15	-	-		0.79	0.48	1.26	1.01	24.00	22.99	
	56	0.96	0.57	1.53	1.84	-	-		0.74	0.44	1.18	0.70	24.00	23.30	
	60	0.90	0.54	1.43	1.57	-	-		0.69	0.41	1.10	0.43	24.00	23.57	
6945	53	1.00	0.57	1.57	1.96	-	-		0.77	0.44	1.21	0.82	24.00	23.18	
	56	0.89	0.51	1.40	1.46	-	-		0.68	0.39	1.08	0.32	24.00	23.68	
	60	0.86	0.48	1.35	1.29	-	-		0.66	0.37	1.04	0.15	24.00	23.85	
7025	53	0.85	0.48	1.33	1.24	-	-		0.65	0.37	1.02	0.10	24.00	23.90	
	56	0.77	0.42	1.19	0.75	-	-		0.59	0.33	0.91	-0.39	24.00	24.39	
	60	0.71	0.39	1.10	0.41	-	-		0.55	0.30	0.85	-0.73	24.00	24.73	

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1 [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	
6545	53	0.00	-22.11	2.11	20.15	-1.14	0.16	-0.98	-23.85	2.09	20.16	-1.14	-1.60	-2.74	
	56	0.00	-22.46	2.11	20.15	-1.14	-0.19	-1.33	-24.03	2.09	20.16	-1.14	-1.78	-2.92	
	60	0.00	-22.66	2.11	20.15	-1.14	-0.39	-1.53	-24.33	2.09	20.16	-1.14	-2.08	-3.22	
6625	53	0.00	-21.99	2.16	20.15	-1.14	0.32	-0.82	-23.52	2.09	20.16	-1.14	-1.27	-2.41	
	56	0.00	-22.24	2.16	20.15	-1.14	0.07	-1.07	-23.96	2.09	20.16	-1.14	-1.71	-2.85	
	60	0.00	-22.45	2.16	20.15	-1.14	-0.14	-1.28	-24.09	2.09	20.16	-1.14	-1.84	-2.98	
6705	53	0.00	-22.07	2.18	20.15	-1.14	0.26	-0.88	-23.89	2.09	20.16	-1.14	-1.64	-2.78	
	56	0.00	-22.40	2.18	20.15	-1.14	-0.07	-1.21	-24.34	2.09	20.16	-1.14	-2.09	-3.23	
	60	0.00	-22.59	2.18	20.15	-1.14	-0.26	-1.40	-24.53	2.09	20.16	-1.14	-2.28	-3.42	
6785	53	0.00	-22.24	2.19	20.15	-1.14	0.10	-1.04	-23.93	2.10	20.16	-1.14	-1.68	-2.82	
	56	0.00	-22.69	2.19	20.15	-1.14	-0.35	-1.49	-24.37	2.10	20.16	-1.14	-2.12	-3.26	
	60	0.00	-22.76	2.19	20.15	-1.14	-0.42	-1.56	-24.50	2.10	20.16	-1.14	-2.25	-3.39	
6865	53	0.00	-22.25	2.19	20.15	-1.14	0.09	-1.05	-24.33	2.10	20.16	-1.14	-2.08	-3.22	
	56	0.00	-22.52	2.19	20.15	-1.14	-0.18	-1.32	-24.71	2.10	20.16	-1.14	-2.46	-3.60	
	60	0.00	-22.81	2.19	20.15	-1.14	-0.47	-1.61	-24.96	2.10	20.16	-1.14	-2.71	-3.85	
6945	53	0.00	-22.42	2.25	20.15	-1.14	-0.02	-1.16	-24.70	2.13	20.16	-1.14	-2.41	-3.55	
	56	0.00	-22.91	2.25	20.15	-1.14	-0.51	-1.65	-25.23	2.13	20.16	-1.14	-2.94	-4.08	
	60	0.00	-23.04	2.25	20.15	-1.14	-0.64	-1.78	-25.45	2.13	20.16	-1.14	-3.16	-4.30	
7025	53	0.00	-23.14	2.27	20.15	-1.14	-0.72	-1.86	-25.45	2.13	20.16	-1.14	-3.17	-4.31	
	56	0.00	-23.58	2.27	20.15	-1.14	-1.16	-2.30	-26.01	2.13	20.16	-1.14	-3.73	-4.87	
	60	0.00	-23.89	2.27	20.15	-1.14	-1.47	-2.61	-26.41	2.13	20.16	-1.14	-4.13	-5.27	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 15, 2024
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80 (OFDMA) 106-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(SDM) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5985	53	0.84	0.71	1.56	1.92	-	-	0.62	0.55	1.17	0.66	24.00	23.34
	56	0.82	0.71	1.52	1.83	-	-	0.60	0.54	1.14	0.58	24.00	23.42
	60	0.84	0.72	1.56	1.92	-	-	0.61	0.55	1.16	0.66	24.00	23.34
6225	53	0.99	0.81	1.80	2.56	-	-	0.73	0.62	1.35	1.30	24.00	22.70
	56	1.00	0.81	1.82	2.59	-	-	0.73	0.63	1.36	1.33	24.00	22.67
	60	1.07	0.88	1.94	2.89	-	-	0.78	0.67	1.45	1.63	24.00	22.37
6385	53	0.87	0.67	1.54	1.87	-	-	0.64	0.51	1.15	0.61	24.00	23.39
	56	0.85	0.64	1.50	1.75	-	-	0.62	0.49	1.12	0.48	24.00	23.52
	60	0.87	0.67	1.54	1.89	-	-	0.64	0.52	1.15	0.63	24.00	23.37
6465	53	1.12	0.87	1.99	2.98	-	-	0.82	0.67	1.49	1.72	24.00	22.28
	56	1.05	0.82	1.86	2.71	-	-	0.77	0.63	1.39	1.44	24.00	22.56
	60	1.03	0.77	1.80	2.55	-	-	0.75	0.59	1.34	1.28	24.00	22.72

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	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]
5985	53	0.00	-2.69	1.96	0.00	-1.36	-0.73	-2.09	-3.46	1.98	0.00	-1.14	-1.48	-2.62
	56	0.00	-2.83	1.96	0.00	-1.36	-0.87	-2.23	-3.49	1.98	0.00	-1.14	-1.51	-2.65
	60	0.00	-2.73	1.96	0.00	-1.36	-0.77	-2.13	-3.42	1.98	0.00	-1.14	-1.44	-2.58
6225	53	0.00	-2.04	2.01	0.00	-1.36	-0.03	-1.39	-2.91	1.99	0.00	-1.14	-0.92	-2.06
	56	0.00	-2.00	2.01	0.00	-1.36	0.01	-1.35	-2.89	1.99	0.00	-1.14	-0.90	-2.04
	60	0.00	-1.73	2.01	0.00	-1.36	0.28	-1.08	-2.56	1.99	0.00	-1.14	-0.57	-1.71
6385	53	0.00	-2.63	2.05	0.00	-1.36	-0.58	-1.94	-3.77	2.00	0.00	-1.14	-1.77	-2.91
	56	0.00	-2.73	2.05	0.00	-1.36	-0.68	-2.04	-3.93	2.00	0.00	-1.14	-1.93	-3.07
	60	0.00	-2.65	2.05	0.00	-1.36	-0.60	-1.96	-3.71	2.00	0.00	-1.14	-1.71	-2.85
6465	53	0.00	-1.61	2.08	0.00	-1.36	0.47	-0.89	-2.62	2.02	0.00	-1.14	-0.60	-1.74
	56	0.00	-1.88	2.08	0.00	-1.36	0.20	-1.16	-2.90	2.02	0.00	-1.14	-0.88	-2.02
	60	0.00	-1.96	2.08	0.00	-1.36	0.12	-1.24	-3.16	2.02	0.00	-1.14	-1.14	-2.28

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 15, 2024
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80 (OFDMA) 106-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(SDM) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6545	53	1.05	0.69	1.74	2.40	-	-	0.77	0.53	1.30	1.13	24.00	22.87
	56	1.00	0.65	1.65	2.17	-	-	0.73	0.50	1.23	0.90	24.00	23.10
	60	0.96	0.64	1.60	2.05	-	-	0.70	0.49	1.20	0.78	24.00	23.22
6625	53	1.05	0.69	1.74	2.40	-	-	0.77	0.53	1.30	1.13	24.00	22.87
	56	1.00	0.65	1.65	2.17	-	-	0.73	0.50	1.23	0.90	24.00	23.10
	60	0.96	0.64	1.60	2.05	-	-	0.70	0.49	1.20	0.78	24.00	23.22
6705	53	1.05	0.66	1.71	2.32	-	-	0.77	0.50	1.27	1.04	24.00	22.96
	56	1.01	0.60	1.61	2.07	-	-	0.74	0.46	1.20	0.79	24.00	23.21
	60	0.96	0.59	1.55	1.91	-	-	0.70	0.45	1.16	0.63	24.00	23.37
6785	53	1.05	0.70	1.75	2.43	-	-	0.77	0.54	1.31	1.16	24.00	22.84
	56	0.95	0.63	1.58	1.98	-	-	0.70	0.48	1.18	0.71	24.00	23.29
	60	0.91	0.58	1.48	1.72	-	-	0.66	0.45	1.11	0.44	24.00	23.56
6865	53	1.03	0.61	1.63	2.13	-	-	0.75	0.47	1.22	0.85	24.00	23.15
	56	0.96	0.54	1.50	1.77	-	-	0.70	0.42	1.12	0.50	24.00	23.50
	60	0.93	0.53	1.46	1.64	-	-	0.68	0.41	1.09	0.36	24.00	23.64
6945	53	1.02	0.56	1.58	1.99	-	-	0.75	0.43	1.18	0.71	24.00	23.29
	56	0.93	0.51	1.43	1.57	-	-	0.68	0.39	1.07	0.29	24.00	23.71
	60	0.87	0.48	1.34	1.27	-	-	0.63	0.37	1.00	-0.01	24.00	24.01
7025	53	0.86	0.47	1.32	1.22	-	-	0.63	0.36	0.99	-0.06	24.00	24.06
	56	0.79	0.42	1.21	0.84	-	-	0.58	0.32	0.90	-0.44	24.00	24.44
	60	0.73	0.39	1.12	0.48	-	-	0.53	0.30	0.83	-0.81	24.00	24.81

Tested Frequency [MHz]	RU Index	5G_CH0						5G_CH1					
		Duty Factor *1) [dB]	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]
6545	53	0.00	-1.90	2.11	0.00	-1.36	0.21	-1.15	-3.71	2.09	0.00	-1.14	-1.62
	56	0.00	-2.11	2.11	0.00	-1.36	0.00	-1.36	-3.98	2.09	0.00	-1.14	-1.89
	60	0.00	-2.27	2.11	0.00	-1.36	-0.16	-1.52	-4.03	2.09	0.00	-1.14	-1.94
6625	53	0.00	-1.67	2.16	0.00	-1.36	0.49	-0.87	-3.25	2.09	0.00	-1.14	-1.16
	56	0.00	-1.97	2.16	0.00	-1.36	0.19	-1.17	-3.70	2.09	0.00	-1.14	-1.61
	60	0.00	-2.28	2.16	0.00	-1.36	-0.12	-1.48	-4.04	2.09	0.00	-1.14	-1.95
6705	53	0.00	-1.97	2.18	0.00	-1.36	0.21	-1.15	-3.92	2.09	0.00	-1.14	-1.83
	56	0.00	-2.13	2.18	0.00	-1.36	0.05	-1.31	-4.31	2.09	0.00	-1.14	-2.22
	60	0.00	-2.35	2.18	0.00	-1.36	-0.17	-1.53	-4.38	2.09	0.00	-1.14	-2.29
6785	53	0.00	-1.96	2.19	0.00	-1.36	0.23	-1.13	-3.67	2.10	0.00	-1.14	-1.57
	56	0.00	-2.40	2.19	0.00	-1.36	-0.21	-1.57	-4.13	2.10	0.00	-1.14	-2.03
	60	0.00	-2.62	2.19	0.00	-1.36	-0.43	-1.79	-4.47	2.10	0.00	-1.14	-2.37
6865	53	0.00	-2.08	2.19	0.00	-1.36	0.11	-1.25	-4.26	2.10	0.00	-1.14	-2.16
	56	0.00	-2.36	2.19	0.00	-1.36	-0.17	-1.53	-4.75	2.10	0.00	-1.14	-2.65
	60	0.00	-2.52	2.19	0.00	-1.36	-0.33	-1.69	-4.83	2.10	0.00	-1.14	-2.73
6945	53	0.00	-2.16	2.25	0.00	-1.36	0.09	-1.27	-4.66	2.13	0.00	-1.14	-2.53
	56	0.00	-2.59	2.25	0.00	-1.36	-0.34	-1.70	-5.06	2.13	0.00	-1.14	-2.93
	60	0.00	-2.88	2.25	0.00	-1.36	-0.63	-1.99	-5.36	2.13	0.00	-1.14	-3.23
7025	53	0.00	-2.93	2.27	0.00	-1.36	-0.66	-2.02	-5.45	2.13	0.00	-1.14	-3.32
	56	0.00	-3.28	2.27	0.00	-1.36	-1.01	-2.37	-5.88	2.13	0.00	-1.14	-3.75
	60	0.00	-3.65	2.27	0.00	-1.36	-1.38	-2.74	-6.24	2.13	0.00	-1.14	-4.11

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 22, 2024
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-80 (OFDMA) 242-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(CDD) 242-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5985	61	2.98	3.03	6.00	7.78	-	-	2.29	2.33	4.62	6.64	24.00	17.36
	62	2.99	2.99	5.98	7.77	-	-	2.30	2.30	4.60	6.63	24.00	17.37
	64	3.17	3.21	6.38	8.05	-	-	2.44	2.47	4.91	6.91	24.00	17.09
6225	61	2.77	2.62	5.39	7.32	-	-	2.13	2.02	4.15	6.18	24.00	17.82
	62	2.78	2.69	5.47	7.38	-	-	2.14	2.07	4.21	6.24	24.00	17.76
	64	2.99	2.77	5.77	7.61	-	-	2.30	2.13	4.43	6.47	24.00	17.53
6385	61	3.18	3.24	6.41	8.07	-	-	2.44	2.49	4.93	6.93	24.00	17.07
	62	3.14	3.05	6.19	7.92	-	-	2.42	2.35	4.76	6.78	24.00	17.22
	64	3.27	3.08	6.34	8.02	-	-	2.51	2.37	4.88	6.88	24.00	17.12
6465	61	3.19	3.35	6.53	8.15	-	-	2.45	2.57	5.03	7.01	24.00	16.99
	62	3.02	3.06	6.08	7.84	-	-	2.33	2.35	4.68	6.70	24.00	17.30
	64	3.09	2.98	6.08	7.84	-	-	2.38	2.29	4.67	6.70	24.00	17.30

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
5985	61	0.00	-17.39	1.96	20.17	-1.14	4.74	3.60	-17.35	2.00	20.16	-1.14	4.81	3.67
	62	0.00	-17.37	1.96	20.17	-1.14	4.76	3.62	-17.40	2.00	20.16	-1.14	4.76	3.62
	64	0.00	-17.12	1.96	20.17	-1.14	5.01	3.87	-17.09	2.00	20.16	-1.14	5.07	3.93
6225	61	0.00	-17.75	2.01	20.16	-1.14	4.42	3.28	-17.98	2.00	20.16	-1.14	4.19	3.05
	62	0.00	-17.73	2.01	20.16	-1.14	4.44	3.30	-17.87	2.00	20.16	-1.14	4.30	3.16
	64	0.00	-17.41	2.01	20.16	-1.14	4.76	3.62	-17.74	2.00	20.16	-1.14	4.43	3.29
6385	61	0.00	-17.18	2.04	20.16	-1.14	5.02	3.88	-17.07	2.01	20.16	-1.14	5.10	3.96
	62	0.00	-17.23	2.04	20.16	-1.14	4.97	3.83	-17.33	2.01	20.16	-1.14	4.84	3.70
	64	0.00	-17.06	2.04	20.16	-1.14	5.14	4.00	-17.29	2.01	20.16	-1.14	4.88	3.74
6465	61	0.00	-17.20	2.08	20.16	-1.14	5.04	3.90	-16.95	2.03	20.16	-1.14	5.24	4.10
	62	0.00	-17.43	2.08	20.16	-1.14	4.81	3.67	-17.34	2.03	20.16	-1.14	4.85	3.71
	64	0.00	-17.33	2.08	20.16	-1.14	4.91	3.77	-17.45	2.03	20.16	-1.14	4.74	3.60

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 22, 2024
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-80 (OFDMA) 242-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(CDD) 242-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6545	61	2.98	3.03	6.00	7.78	-	-	4.58	4.66	9.24	9.65	24.00	14.35
	62	2.99	2.99	5.98	7.77	-	-	4.60	4.60	9.20	9.64	24.00	14.36
	64	3.17	3.21	6.38	8.05	-	-	4.87	4.94	9.82	9.92	24.00	14.08
6625	61	3.40	3.06	6.46	8.10	-	-	2.61	2.35	4.97	6.96	24.00	17.04
	62	3.07	2.82	5.89	7.70	-	-	2.36	2.17	4.53	6.56	24.00	17.44
	64	2.94	2.60	5.54	7.43	-	-	2.26	2.00	4.26	6.29	24.00	17.71
6705	61	3.25	3.01	6.25	7.96	-	-	2.50	2.31	4.81	6.82	24.00	17.18
	62	2.99	2.85	5.83	7.66	-	-	2.30	2.19	4.49	6.52	24.00	17.48
	64	2.82	2.51	5.33	7.27	-	-	2.17	1.93	4.10	6.13	24.00	17.87
6785	61	3.27	2.63	5.90	7.71	-	-	2.52	2.02	4.54	6.57	24.00	17.43
	62	3.08	2.53	5.61	7.49	-	-	2.37	1.95	4.32	6.35	24.00	17.65
	64	2.85	2.30	5.15	7.12	-	-	2.19	1.77	3.96	5.98	24.00	18.02
6865	61	3.72	2.71	6.44	8.09	-	-	2.86	2.09	4.95	6.95	24.00	17.05
	62	3.45	2.51	5.96	7.75	-	-	2.65	1.93	4.58	6.61	24.00	17.39
	64	3.21	2.32	5.53	7.43	-	-	2.47	1.79	4.25	6.29	24.00	17.71
6945	61	3.98	2.93	6.91	8.40	-	-	3.06	2.25	5.32	7.26	24.00	16.74
	62	3.72	2.82	6.54	8.16	-	-	2.86	2.17	5.03	7.02	24.00	16.98
	64	3.27	2.59	5.85	7.67	-	-	2.51	1.99	4.50	6.53	24.00	17.47
7025	61	3.75	2.81	6.56	8.17	-	-	2.88	2.16	5.05	7.03	24.00	16.97
	62	3.52	2.59	6.12	7.87	-	-	2.71	2.00	4.70	6.73	24.00	17.27
	64	3.12	2.39	5.51	7.41	-	-	2.40	1.84	4.24	6.27	24.00	17.73

Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	5G_CH0						5G_CH1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
6545	61	0.00	-17.39	1.96	20.17	-1.14	4.74	6.61	-17.35	2.00	20.16	-1.14	4.81	6.68
	62	0.00	-17.37	1.96	20.17	-1.14	4.76	6.63	-17.40	2.00	20.16	-1.14	4.76	6.63
	64	0.00	-17.12	1.96	20.17	-1.14	5.01	6.88	-17.09	2.00	20.16	-1.14	5.07	6.94
6625	61	0.00	-17.00	2.16	20.15	-1.14	5.31	4.17	-17.40	2.10	20.16	-1.14	4.86	3.72
	62	0.00	-17.44	2.16	20.15	-1.14	4.87	3.73	-17.76	2.10	20.16	-1.14	4.50	3.36
	64	0.00	-17.63	2.16	20.15	-1.14	4.68	3.54	-18.11	2.10	20.16	-1.14	4.15	3.01
6705	61	0.00	-17.21	2.17	20.15	-1.14	5.12	3.98	-17.48	2.10	20.16	-1.14	4.78	3.64
	62	0.00	-17.57	2.17	20.15	-1.14	4.76	3.62	-17.72	2.10	20.16	-1.14	4.54	3.40
	64	0.00	-17.82	2.17	20.15	-1.14	4.51	3.37	-18.27	2.10	20.16	-1.14	3.99	2.85
6785	61	0.00	-17.19	2.19	20.15	-1.14	5.15	4.01	-18.07	2.11	20.16	-1.14	4.19	3.05
	62	0.00	-17.45	2.19	20.15	-1.14	4.89	3.75	-18.23	2.11	20.16	-1.14	4.03	2.89
	64	0.00	-17.79	2.19	20.15	-1.14	4.55	3.41	-18.64	2.11	20.16	-1.14	3.62	2.48
6865	61	0.00	-16.63	2.19	20.15	-1.14	5.71	4.57	-17.93	2.11	20.16	-1.14	4.33	3.19
	62	0.00	-16.96	2.19	20.15	-1.14	5.38	4.24	-18.27	2.11	20.16	-1.14	3.99	2.85
	64	0.00	-17.28	2.19	20.15	-1.14	5.06	3.92	-18.60	2.11	20.16	-1.14	3.66	2.52
6945	61	0.00	-16.40	2.25	20.15	-1.14	6.00	4.86	-17.63	2.14	20.16	-1.14	4.67	3.53
	62	0.00	-16.69	2.25	20.15	-1.14	5.71	4.57	-17.80	2.14	20.16	-1.14	4.50	3.36
	64	0.00	-17.26	2.25	20.15	-1.14	5.14	4.00	-18.17	2.14	20.16	-1.14	4.13	2.99
7025	61	0.00	-16.68	2.27	20.15	-1.14	5.74	4.60	-17.80	2.13	20.16	-1.14	4.49	3.35
	62	0.00	-16.95	2.27	20.15	-1.14	5.47	4.33	-18.15	2.13	20.16	-1.14	4.14	3.00
	64	0.00	-17.48	2.27	20.15	-1.14	4.94	3.80	-18.50	2.13	20.16	-1.14	3.79	2.65

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

UL Japan, Inc. Shonan EMC Lab.

1-22-3 Megumigaoka, Hiratsuka-shi, Kanagawa-ken, 259-1220 Japan / +81-463-50-6400

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 23, 2024
Temperature / Humidity 20 deg. C / 31 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-80 (OFDMA) 242-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(SDM) 242-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5985	61	3.00	3.12	6.12	7.87	-	-	2.19	2.40	4.59	6.62	24.00	17.38
	62	3.06	3.13	6.19	7.92	-	-	2.24	2.41	4.65	6.67	24.00	17.33
	64	3.18	3.34	6.52	8.15	-	-	2.33	2.57	4.90	6.90	24.00	17.10
6225	61	2.91	2.73	5.64	7.51	-	-	2.12	2.10	4.23	6.26	24.00	17.74
	62	2.87	2.80	5.68	7.54	-	-	2.10	2.16	4.26	6.29	24.00	17.71
	64	3.08	2.85	5.93	7.73	-	-	2.25	2.19	4.44	6.48	24.00	17.52
6385	61	3.21	3.21	6.42	8.08	-	-	2.35	2.47	4.82	6.83	24.00	17.17
	62	3.19	3.16	6.36	8.03	-	-	2.33	2.43	4.77	6.78	24.00	17.22
	64	3.25	3.13	6.39	8.05	-	-	2.38	2.41	4.79	6.80	24.00	17.20
6465	61	3.20	3.46	6.65	8.23	-	-	2.34	2.66	4.99	6.98	24.00	17.02
	62	3.14	3.20	6.34	8.02	-	-	2.29	2.46	4.76	6.77	24.00	17.23
	64	3.06	3.07	6.13	7.88	-	-	2.24	2.36	4.60	6.63	24.00	17.37

5G_CH0									5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	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]
5985	61	0.00	-17.36	1.96	20.17	-1.36	4.77	3.41	-17.22	2.00	20.16	-1.14	4.94	3.80
	62	0.00	-17.27	1.96	20.17	-1.36	4.86	3.50	-17.20	2.00	20.16	-1.14	4.96	3.82
	64	0.00	-17.10	1.96	20.17	-1.36	5.03	3.67	-16.92	2.00	20.16	-1.14	5.24	4.10
6225	61	0.00	-17.54	2.01	20.16	-1.36	4.63	3.27	-17.80	2.00	20.16	-1.14	4.37	3.23
	62	0.00	-17.59	2.01	20.16	-1.36	4.58	3.22	-17.69	2.00	20.16	-1.14	4.48	3.34
	64	0.00	-17.29	2.01	20.16	-1.36	4.88	3.52	-17.62	2.00	20.16	-1.14	4.55	3.41
6385	61	0.00	-17.13	2.04	20.16	-1.36	5.07	3.71	-17.11	2.01	20.16	-1.14	5.06	3.92
	62	0.00	-17.16	2.04	20.16	-1.36	5.04	3.68	-17.17	2.01	20.16	-1.14	5.00	3.86
	64	0.00	-17.08	2.04	20.16	-1.36	5.12	3.76	-17.21	2.01	20.16	-1.14	4.96	3.82
6465	61	0.00	-17.19	2.08	20.16	-1.36	5.05	3.69	-16.81	2.03	20.16	-1.14	5.38	4.24
	62	0.00	-17.27	2.08	20.16	-1.36	4.97	3.61	-17.14	2.03	20.16	-1.14	5.05	3.91
	64	0.00	-17.38	2.08	20.16	-1.36	4.86	3.50	-17.32	2.03	20.16	-1.14	4.87	3.73

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 23, 2024
Temperature / Humidity 20 deg. C / 31 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-80 (OFDMA) 242-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(SDM) 242-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6545	61	3.47	3.32	6.79	8.32	-	-	2.54	2.55	5.09	7.07	24.00	16.93
	62	3.36	3.14	6.50	8.13	-	-	2.46	2.42	4.87	6.88	24.00	17.12
	64	3.28	2.94	6.22	7.94	-	-	2.40	2.26	4.66	6.69	24.00	17.31
6625	61	3.47	3.32	6.79	8.32	-	-	2.54	2.55	5.09	7.07	24.00	16.93
	62	3.36	3.14	6.50	8.13	-	-	2.46	2.42	4.87	6.88	24.00	17.12
	64	3.28	2.94	6.22	7.94	-	-	2.40	2.26	4.66	6.69	24.00	17.31
6705	61	3.26	3.02	6.28	7.98	-	-	2.39	2.32	4.71	6.73	24.00	17.27
	62	3.13	2.89	6.02	7.80	-	-	2.29	2.22	4.51	6.54	24.00	17.46
	64	2.87	2.80	5.67	7.54	-	-	2.10	2.15	4.26	6.29	24.00	17.71
6785	61	3.31	2.76	6.07	7.84	-	-	2.42	2.13	4.55	6.58	24.00	17.42
	62	3.13	2.60	5.73	7.58	-	-	2.29	2.00	4.29	6.32	24.00	17.68
	64	2.88	2.41	5.29	7.24	-	-	2.11	1.85	3.96	5.98	24.00	18.02
6865	61	3.79	2.80	6.59	8.19	-	-	2.77	2.15	4.92	6.92	24.00	17.08
	62	3.57	2.60	6.18	7.91	-	-	2.61	2.00	4.61	6.64	24.00	17.36
	64	3.31	2.42	5.73	7.58	-	-	2.42	1.86	4.28	6.32	24.00	17.68
6945	61	4.06	2.98	7.04	8.48	-	-	2.97	2.30	5.26	7.21	24.00	16.79
	62	3.82	2.84	6.66	8.24	-	-	2.79	2.19	4.98	6.97	24.00	17.03
	64	3.43	2.61	6.03	7.81	-	-	2.51	2.00	4.51	6.54	24.00	17.46
7025	61	3.79	2.83	6.62	8.21	-	-	2.77	2.18	4.95	6.95	24.00	17.05
	62	3.60	2.66	6.27	7.97	-	-	2.64	2.05	4.68	6.70	24.00	17.30
	64	3.29	2.47	5.76	7.60	-	-	2.40	1.90	4.30	6.34	24.00	17.66

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
6545	61	0.00	-16.86	2.11	20.15	-1.36	5.40	4.04	-17.05	2.10	20.16	-1.14	5.21	4.07	
	62	0.00	-17.00	2.11	20.15	-1.36	5.26	3.90	-17.29	2.10	20.16	-1.14	4.97	3.83	
	64	0.00	-17.10	2.11	20.15	-1.36	5.16	3.80	-17.58	2.10	20.16	-1.14	4.68	3.54	
6625	61	0.00	-17.09	2.16	20.15	-1.36	5.22	3.86	-17.34	2.10	20.16	-1.14	4.92	3.78	
	62	0.00	-17.29	2.16	20.15	-1.36	5.02	3.66	-17.66	2.10	20.16	-1.14	4.60	3.46	
	64	0.00	-17.60	2.16	20.15	-1.36	4.71	3.35	-18.04	2.10	20.16	-1.14	4.22	3.08	
6705	61	0.00	-17.19	2.17	20.15	-1.36	5.14	3.78	-17.46	2.10	20.16	-1.14	4.80	3.66	
	62	0.00	-17.37	2.17	20.15	-1.36	4.96	3.60	-17.65	2.10	20.16	-1.14	4.61	3.47	
	64	0.00	-17.74	2.17	20.15	-1.36	4.59	3.23	-17.79	2.10	20.16	-1.14	4.47	3.33	
6785	61	0.00	-17.14	2.19	20.15	-1.36	5.20	3.84	-17.85	2.11	20.16	-1.14	4.41	3.27	
	62	0.00	-17.38	2.19	20.15	-1.36	4.96	3.60	-18.12	2.11	20.16	-1.14	4.14	3.00	
	64	0.00	-17.74	2.19	20.15	-1.36	4.60	3.24	-18.45	2.11	20.16	-1.14	3.81	2.67	
6865	61	0.00	-16.55	2.19	20.15	-1.36	5.79	4.43	-17.80	2.11	20.16	-1.14	4.46	3.32	
	62	0.00	-16.81	2.19	20.15	-1.36	5.53	4.17	-18.11	2.11	20.16	-1.14	4.15	3.01	
	64	0.00	-17.14	2.19	20.15	-1.36	5.20	3.84	-18.43	2.11	20.16	-1.14	3.83	2.69	
6945	61	0.00	-16.32	2.25	20.15	-1.36	6.08	4.72	-17.55	2.14	20.16	-1.14	4.75	3.61	
	62	0.00	-16.58	2.25	20.15	-1.36	5.82	4.46	-17.76	2.14	20.16	-1.14	4.54	3.40	
	64	0.00	-17.05	2.25	20.15	-1.36	5.35	3.99	-18.14	2.14	20.16	-1.14	4.16	3.02	
7025	61	0.00	-16.63	2.27	20.15	-1.36	5.79	4.43	-17.77	2.13	20.16	-1.14	4.52	3.38	
	62	0.00	-16.85	2.27	20.15	-1.36	5.57	4.21	-18.04	2.13	20.16	-1.14	4.25	3.11	
	64	0.00	-17.25	2.27	20.15	-1.36	5.17	3.81	-18.36	2.13	20.16	-1.14	3.93	2.79	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 11, 2024
Temperature / Humidity 25 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 484-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(CDD) 484-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5985	65	6.01	5.72	11.73	10.69	-	-	4.62	4.40	9.03	9.55	24.00	14.45
	66	6.01	5.82	11.83	10.73	-	-	4.62	4.47	9.10	9.59	24.00	14.41
6225	65	5.99	5.17	11.16	10.48	-	-	4.61	3.98	8.58	9.34	24.00	14.66
	66	6.23	5.15	11.38	10.56	-	-	4.79	3.96	8.75	9.42	24.00	14.58
6385	65	6.78	6.84	13.62	11.34	-	-	5.22	5.26	10.48	10.20	24.00	13.80
	66	6.86	6.50	13.36	11.26	-	-	5.28	5.00	10.28	10.12	24.00	13.88
6465	65	6.31	6.42	12.72	11.05	-	-	4.85	4.94	9.79	9.91	24.00	14.09
	66	6.09	5.91	12.00	10.79	-	-	4.69	4.54	9.23	9.65	24.00	14.35

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
5985	65	0.00	-14.34	1.96	20.17	-1.14	7.79	6.65	-14.57	1.98	20.16	-1.14	7.58	6.44
	66	0.00	-14.34	1.96	20.17	-1.14	7.79	6.65	-14.50	1.98	20.16	-1.14	7.65	6.51
6225	65	0.00	-14.40	2.01	20.16	-1.14	7.77	6.63	-15.02	1.99	20.16	-1.14	7.14	6.00
	66	0.00	-14.23	2.01	20.16	-1.14	7.94	6.80	-15.04	1.99	20.16	-1.14	7.12	5.98
6385	65	0.00	-13.89	2.05	20.16	-1.14	8.31	7.17	-13.81	2.00	20.16	-1.14	8.35	7.21
	66	0.00	-13.84	2.05	20.16	-1.14	8.36	7.22	-14.03	2.00	20.16	-1.14	8.13	6.99
6465	65	0.00	-14.24	2.08	20.16	-1.14	8.00	6.86	-14.11	2.02	20.16	-1.14	8.07	6.93
	66	0.00	-14.39	2.08	20.16	-1.14	7.85	6.71	-14.47	2.02	20.16	-1.14	7.71	6.57

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 11, 2024
Temperature / Humidity 25 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 484-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(CDD) 484-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6545	65	7.78	6.24	14.02	11.47	-	-		5.98	4.80	10.78	10.33	24.00	13.67
	66	7.58	5.72	13.30	11.24	-	-		5.83	4.40	10.23	10.10	24.00	13.90
6625	65	6.96	6.31	13.26	11.23	-	-		5.35	4.85	10.20	10.09	24.00	13.91
	66	6.57	5.64	12.20	10.86	-	-		5.05	4.33	9.39	9.72	24.00	14.28
6705	65	6.79	5.13	11.92	10.76	-	-		5.22	3.95	9.17	9.62	24.00	14.38
	66	6.07	4.82	10.89	10.37	-	-		4.66	3.71	8.37	9.23	24.00	14.77
6785	65	6.46	4.69	11.15	10.47	-	-		4.97	3.61	8.58	9.33	24.00	14.67
	66	6.31	4.50	10.82	10.34	-	-		4.86	3.46	8.32	9.20	24.00	14.80
6865	65	6.34	4.73	11.07	10.44	-	-		4.88	3.63	8.51	9.30	24.00	14.70
	66	5.55	4.19	9.74	9.89	-	-		4.27	3.22	7.49	8.75	24.00	15.25
6945	65	7.89	5.60	13.49	11.30	-	-		6.07	4.31	10.38	10.16	24.00	13.84
	66	7.08	5.12	12.20	10.86	-	-		5.45	3.94	9.38	9.72	24.00	14.28
7025	65	7.41	5.12	12.53	10.98	-	-		5.70	3.94	9.64	9.84	24.00	14.16
	66	6.68	4.70	11.39	10.56	-	-		5.14	3.62	8.76	9.42	24.00	14.58

Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
6545	65	0.00	-13.36	2.11	20.15	-1.14	8.91	7.77	-14.30	2.09	20.16	-1.14	7.95	6.81
	66	0.00	-13.47	2.11	20.15	-1.14	8.80	7.66	-14.68	2.09	20.16	-1.14	7.57	6.43
6625	65	0.00	-13.89	2.16	20.15	-1.14	8.42	7.28	-14.25	2.09	20.16	-1.14	8.00	6.86
	66	0.00	-14.14	2.16	20.15	-1.14	8.17	7.03	-14.74	2.09	20.16	-1.14	7.51	6.37
6705	65	0.00	-14.01	2.18	20.15	-1.14	8.32	7.18	-15.15	2.09	20.16	-1.14	7.10	5.96
	66	0.00	-14.50	2.18	20.15	-1.14	7.83	6.69	-15.42	2.09	20.16	-1.14	6.83	5.69
6785	65	0.00	-14.24	2.19	20.15	-1.14	8.10	6.96	-15.54	2.10	20.16	-1.14	6.71	5.57
	66	0.00	-14.34	2.19	20.15	-1.14	8.00	6.86	-15.72	2.10	20.16	-1.14	6.53	5.39
6865	65	0.00	-14.32	2.19	20.15	-1.14	8.02	6.88	-15.51	2.10	20.16	-1.14	6.74	5.60
	66	0.00	-14.90	2.19	20.15	-1.14	7.44	6.30	-16.03	2.10	20.16	-1.14	6.22	5.08
6945	65	0.00	-13.43	2.25	20.15	-1.14	8.97	7.83	-14.81	2.13	20.16	-1.14	7.48	6.34
	66	0.00	-13.90	2.25	20.15	-1.14	8.50	7.36	-15.20	2.13	20.16	-1.14	7.09	5.95
7025	65	0.00	-13.72	2.27	20.15	-1.14	8.70	7.56	-15.19	2.13	20.16	-1.14	7.09	5.95
	66	0.00	-14.17	2.27	20.15	-1.14	8.25	7.11	-15.56	2.13	20.16	-1.14	6.72	5.58

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 12, 2024
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 484-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(SDM) 484-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5985	65	6.19	5.90	12.09	10.82	-	-	4.53	4.54	9.06	9.57	24.00	14.43
	66	6.29	5.95	12.25	10.88	-	-	4.60	4.58	9.18	9.63	24.00	14.37
6225	65	5.96	5.27	11.23	10.50	-	-	4.36	4.05	8.41	9.25	24.00	14.75
	66	6.20	5.30	11.50	10.61	-	-	4.53	4.08	8.61	9.35	24.00	14.65
6385	65	6.83	6.78	13.61	11.34	-	-	4.99	5.21	10.21	10.09	24.00	13.91
	66	7.05	6.53	13.59	11.33	-	-	5.16	5.02	10.18	10.08	24.00	13.92
6465	65	6.37	6.46	12.83	11.08	-	-	4.65	4.97	9.62	9.83	24.00	14.17
	66	5.81	5.85	11.66	10.67	-	-	4.25	4.50	8.75	9.42	24.00	14.58

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
[MHz]							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5985	65	0.00	-14.21	1.96	20.17	-1.36	7.92	6.56	-14.44	1.98	20.16	-1.14	7.71	6.57
	66	0.00	-14.14	1.96	20.17	-1.36	7.99	6.63	-14.40	1.98	20.16	-1.14	7.75	6.61
6225	65	0.00	-14.42	2.01	20.16	-1.36	7.75	6.39	-14.94	1.99	20.16	-1.14	7.22	6.08
	66	0.00	-14.25	2.01	20.16	-1.36	7.92	6.56	-14.91	1.99	20.16	-1.14	7.25	6.11
6385	65	0.00	-13.86	2.05	20.16	-1.36	8.34	6.98	-13.85	2.00	20.16	-1.14	8.31	7.17
	66	0.00	-13.72	2.05	20.16	-1.36	8.48	7.12	-14.01	2.00	20.16	-1.14	8.15	7.01
6465	65	0.00	-14.20	2.08	20.16	-1.36	8.04	6.68	-14.08	2.02	20.16	-1.14	8.10	6.96
	66	0.00	-14.60	2.08	20.16	-1.36	7.64	6.28	-14.51	2.02	20.16	-1.14	7.67	6.53

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 12, 2024
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 484-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-80 (OFDMA)(SDM) 484-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6545	65	6.74	5.63	12.37	10.92	-	-	4.93	4.33	9.26	9.67	24.00	14.33
	66	6.44	5.00	11.44	10.59	-	-	4.71	3.85	8.56	9.32	24.00	14.68
6625	65	6.55	5.61	12.16	10.85	-	-	4.79	4.31	9.10	9.59	24.00	14.41
	66	5.98	4.95	10.93	10.39	-	-	4.37	3.81	8.18	9.13	24.00	14.87
6705	65	6.01	4.42	10.43	10.18	-	-	4.39	3.40	7.79	8.92	24.00	15.08
	66	5.65	4.02	9.67	9.85	-	-	4.13	3.09	7.22	8.59	24.00	15.41
6785	65	6.18	4.41	10.60	10.25	-	-	4.52	3.39	7.91	8.98	24.00	15.02
	66	5.46	3.98	9.44	9.75	-	-	3.99	3.06	7.05	8.48	24.00	15.52
6865	65	5.77	4.11	9.88	9.95	-	-	4.22	3.16	7.38	8.68	24.00	15.32
	66	5.18	3.86	9.04	9.56	-	-	3.79	2.97	6.76	8.30	24.00	15.70
6945	65	7.95	5.74	13.69	11.36	-	-	5.81	4.42	10.23	10.10	24.00	13.90
	66	7.25	5.20	12.45	10.95	-	-	5.30	4.00	9.30	9.68	24.00	14.32
7025	65	7.75	5.44	13.18	11.20	-	-	5.66	4.18	9.84	9.93	24.00	14.07
	66	7.00	4.72	11.72	10.69	-	-	5.12	3.63	8.75	9.42	24.00	14.58

5G_CH0									5G_CH1					
Tested Frequency	RU Index	Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
[MHz]							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
6545	65	0.00	-13.98	2.11	20.15	-1.36	8.29	6.93	-14.75	2.09	20.16	-1.14	7.50	6.36
	66	0.00	-14.18	2.11	20.15	-1.36	8.09	6.73	-15.26	2.09	20.16	-1.14	6.99	5.85
6625	65	0.00	-14.15	2.16	20.15	-1.36	8.16	6.80	-14.76	2.09	20.16	-1.14	7.49	6.35
	66	0.00	-14.55	2.16	20.15	-1.36	7.76	6.40	-15.30	2.09	20.16	-1.14	6.95	5.81
6705	65	0.00	-14.54	2.18	20.15	-1.36	7.79	6.43	-15.80	2.09	20.16	-1.14	6.45	5.31
	66	0.00	-14.81	2.18	20.15	-1.36	7.52	6.16	-16.21	2.09	20.16	-1.14	6.04	4.90
6785	65	0.00	-14.43	2.19	20.15	-1.36	7.91	6.55	-15.81	2.10	20.16	-1.14	6.44	5.30
	66	0.00	-14.97	2.19	20.15	-1.36	7.37	6.01	-16.26	2.10	20.16	-1.14	5.99	4.85
6865	65	0.00	-14.73	2.19	20.15	-1.36	7.61	6.25	-16.12	2.10	20.16	-1.14	6.13	4.99
	66	0.00	-15.20	2.19	20.15	-1.36	7.14	5.78	-16.39	2.10	20.16	-1.14	5.86	4.72
6945	65	0.00	-13.40	2.25	20.15	-1.36	9.00	7.64	-14.70	2.13	20.16	-1.14	7.59	6.45
	66	0.00	-13.80	2.25	20.15	-1.36	8.60	7.24	-15.13	2.13	20.16	-1.14	7.16	6.02
7025	65	0.00	-13.53	2.27	20.15	-1.36	8.89	7.53	-14.93	2.13	20.16	-1.14	7.35	6.21
	66	0.00	-13.97	2.27	20.15	-1.36	8.45	7.09	-15.54	2.13	20.16	-1.14	6.74	5.60

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 12, 2024
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 996-tone RU (CDD)

[High Power mode]

11ax-80 (OFDMA)(CDD) 996-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested	RU	Conducted power						e.i.r.p.					
Frequency	Index	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
[MHz]		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5985	67	11.83	12.21	24.04	13.81	-	-	9.10	9.39	18.49	12.67	24.00	11.33
6225	67	11.87	10.75	22.62	13.55	-	-	9.13	8.27	17.40	12.41	24.00	11.59
6385	67	13.41	13.03	26.44	14.22	-	-	10.31	10.02	20.34	13.08	24.00	10.92
6465	67	13.61	14.14	27.75	14.43	-	-	10.47	10.87	21.34	13.29	24.00	10.71
6545	67	14.48	13.16	27.64	14.42	-	-	11.14	10.12	21.26	13.28	24.00	10.72
6625	67	14.30	13.39	27.69	14.42	-	-	11.00	10.30	21.30	13.28	24.00	10.72
6705	67	12.94	11.51	24.45	13.88	-	-	9.95	8.86	18.81	12.74	24.00	11.26
6785	67	14.27	10.51	24.77	13.94	-	-	10.97	8.08	19.05	12.80	24.00	11.20
6865	67	14.38	10.61	24.99	13.98	-	-	11.06	8.16	19.22	12.84	24.00	11.16
6945	67	14.60	11.40	26.00	14.15	-	-	11.23	8.77	20.00	13.01	24.00	10.99
7025	67	13.74	10.57	24.32	13.86	-	-	10.57	8.13	18.70	12.72	24.00	11.28

Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	5G_CH0						5G_CH1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5985	67	0.00	-11.40	1.96	20.17	-1.14	10.73	9.59	-11.28	1.98	20.16	-1.14	10.87	9.73
6225	67	0.00	-11.43	2.01	20.16	-1.14	10.74	9.60	-11.84	1.99	20.16	-1.14	10.32	9.18
6385	67	0.00	-10.93	2.05	20.16	-1.14	11.27	10.13	-11.01	2.00	20.16	-1.14	11.15	10.01
6465	67	0.00	-10.90	2.08	20.16	-1.14	11.34	10.20	-10.68	2.02	20.16	-1.14	11.50	10.36
6545	67	0.00	-10.66	2.11	20.15	-1.14	11.61	10.47	-11.06	2.09	20.16	-1.14	11.19	10.05
6625	67	0.00	-10.76	2.16	20.15	-1.14	11.55	10.41	-10.98	2.09	20.16	-1.14	11.27	10.13
6705	67	0.00	-11.21	2.18	20.15	-1.14	11.12	9.98	-11.64	2.09	20.16	-1.14	10.61	9.47
6785	67	0.00	-10.80	2.19	20.15	-1.14	11.54	10.40	-12.04	2.10	20.16	-1.14	10.21	9.07
6865	67	0.00	-10.78	2.21	20.15	-1.14	11.58	10.44	-12.00	2.10	20.16	-1.14	10.26	9.12
6945	67	0.00	-10.76	2.25	20.15	-1.14	11.64	10.50	-11.72	2.13	20.16	-1.14	10.57	9.43
7025	67	0.00	-11.04	2.27	20.15	-1.14	11.38	10.24	-12.04	2.13	20.16	-1.14	10.24	9.10

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 12, 2024
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 996-tone RU (SDM)

[High Power mode]

11ax-80 (OFDMA)(SDM) 996-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power						e.i.r.p.					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5985	67	12.56	12.47	25.02	13.98	-	-	9.18	9.59	18.77	12.73	24.00	11.27
6225	67	11.95	10.78	22.73	13.57	-	-	8.74	8.29	17.03	12.31	24.00	11.69
6385	67	13.85	13.00	26.85	14.29	-	-	10.13	10.00	20.13	13.04	24.00	10.96
6465	67	12.79	12.51	25.30	14.03	-	-	9.35	9.62	18.98	12.78	24.00	11.22
6545	67	13.58	12.17	25.75	14.11	-	-	9.93	9.36	19.29	12.85	24.00	11.15
6625	67	13.63	12.08	25.70	14.10	-	-	9.96	9.29	19.25	12.84	24.00	11.16
6705	67	12.27	10.48	22.75	13.57	-	-	8.97	8.06	17.03	12.31	24.00	11.69
6785	67	12.92	9.47	22.39	13.50	-	-	9.45	7.29	16.73	12.24	24.00	11.76
6865	67	13.12	9.59	22.70	13.56	-	-	9.59	7.37	16.96	12.30	24.00	11.70
6945	67	14.53	11.53	26.07	14.16	-	-	10.62	8.87	19.50	12.90	24.00	11.10
7025	67	13.93	10.77	24.70	13.93	-	-	10.19	8.28	18.47	12.66	24.00	11.34

Tested Frequency [MHz]	RU Index	Duty Factor *1) [dB]	5G_CH0						5G_CH1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5985	67	0.00	-11.14	1.96	20.17	-1.36	10.99	9.63	-11.19	1.98	20.16	-1.14	10.96	9.82
6225	67	0.00	-11.40	2.01	20.16	-1.36	10.77	9.41	-11.83	1.99	20.16	-1.14	10.33	9.19
6385	67	0.00	-10.79	2.05	20.16	-1.36	11.41	10.05	-11.02	2.00	20.16	-1.14	11.14	10.00
6465	67	0.00	-11.17	2.08	20.16	-1.36	11.07	9.71	-11.21	2.02	20.16	-1.14	10.97	9.83
6545	67	0.00	-10.94	2.11	20.15	-1.36	11.33	9.97	-11.40	2.09	20.16	-1.14	10.85	9.71
6625	67	0.00	-10.97	2.16	20.15	-1.36	11.34	9.98	-11.43	2.09	20.16	-1.14	10.82	9.68
6705	67	0.00	-11.44	2.18	20.15	-1.36	10.89	9.53	-12.05	2.09	20.16	-1.14	10.20	9.06
6785	67	0.00	-11.23	2.19	20.15	-1.36	11.11	9.75	-12.49	2.10	20.16	-1.14	9.76	8.62
6865	67	0.00	-11.18	2.21	20.15	-1.36	11.18	9.82	-12.44	2.10	20.16	-1.14	9.82	8.68
6945	67	0.00	-10.78	2.25	20.15	-1.36	11.62	10.26	-11.67	2.13	20.16	-1.14	10.62	9.48
7025	67	0.00	-10.98	2.27	20.15	-1.36	11.44	10.08	-11.96	2.13	20.16	-1.14	10.32	9.18

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.2 Measurement Room
Date August 21, 2023
Temperature / Humidity 25 deg. C / 47 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-160 (OFDM) (CDD)

[High Power mode]

11ax-160 (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
6025	13.30	13.72	27.02	14.32	-	-	10.23	10.55	20.78	13.18	24.00	10.82
6185	12.86	11.63	24.49	13.89	-	-	9.89	8.94	18.83	12.75	24.00	11.25
6345	12.55	12.01	24.56	13.90	-	-	9.65	9.24	18.89	12.76	24.00	11.24
6505	13.59	11.93	25.52	14.07	-	-	10.45	9.18	19.62	12.93	24.00	11.07
6665	12.09	10.19	22.28	13.48	-	-	9.30	7.84	17.14	12.34	24.00	11.66
6825	13.09	9.06	22.15	13.45	-	-	10.07	6.97	17.04	12.31	24.00	11.69
6985	13.39	10.42	23.81	13.77	-	-	10.30	8.01	18.31	12.63	24.00	11.37

5G_CH0								5G_CH1						
Tested Frequency	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]	
6025	0.00	-10.88	1.96	20.16	-1.14	11.24	10.10	-10.80	2.00	20.17	-1.14	11.37	10.23	
6185	0.00	-11.06	2.00	20.15	-1.14	11.09	9.95	-11.52	2.00	20.17	-1.14	10.65	9.51	
6345	0.00	-11.20	2.03	20.15	-1.14	10.99	9.85	-11.38	2.01	20.17	-1.14	10.80	9.66	
6505	0.00	-10.91	2.09	20.15	-1.14	11.33	10.19	-11.43	2.03	20.16	-1.14	10.77	9.63	
6665	0.00	-11.49	2.16	20.15	-1.14	10.82	9.68	-12.18	2.10	20.16	-1.14	10.08	8.94	
6825	0.00	-11.17	2.20	20.14	-1.14	11.17	10.03	-12.70	2.11	20.16	-1.14	9.57	8.43	
6985	0.00	-11.13	2.26	20.14	-1.14	11.27	10.13	-12.13	2.14	20.16	-1.14	10.18	9.04	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)
The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.2 Measurement Room
Date August 21, 2023
Temperature / Humidity 25 deg. C / 47 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-160 (OFDM) (SDM)

[High Power mode]

11ax-160 (SDM)
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
6025	13.52	13.88	27.40	14.38	-	-	9.89	10.67	20.56	13.13	24.00	10.87
6185	12.86	11.57	24.44	13.88	-	-	9.40	8.90	18.31	12.63	24.00	11.37
6345	12.79	12.04	24.82	13.95	-	-	9.35	9.26	18.61	12.70	24.00	11.30
6505	13.59	11.82	25.41	14.05	-	-	9.93	9.09	19.02	12.79	24.00	11.21
6665	12.14	10.48	22.62	13.55	-	-	8.88	8.06	16.94	12.29	24.00	11.71
6825	13.09	9.14	22.23	13.47	-	-	9.57	7.03	16.60	12.20	24.00	11.80
6985	13.18	10.25	23.43	13.70	-	-	9.63	7.88	17.52	12.43	24.00	11.57

5G_CH0						5G_CH1							
Tested Frequency	Duty Factor *1)	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]
6025	0.00	-10.81	1.96	20.16	-1.36	11.31	9.95	-10.75	2.00	20.17	-1.14	11.42	10.28
6185	0.00	-11.06	2.00	20.15	-1.36	11.09	9.73	-11.54	2.00	20.17	-1.14	10.63	9.49
6345	0.00	-11.12	2.03	20.15	-1.36	11.07	9.71	-11.37	2.01	20.17	-1.14	10.81	9.67
6505	0.00	-10.91	2.09	20.15	-1.36	11.33	9.97	-11.47	2.03	20.16	-1.14	10.73	9.59
6665	0.00	-11.47	2.16	20.15	-1.36	10.84	9.48	-12.06	2.10	20.16	-1.14	10.20	9.06
6825	0.00	-11.17	2.20	20.14	-1.36	11.17	9.81	-12.66	2.11	20.16	-1.14	9.61	8.47
6985	0.00	-11.20	2.26	20.14	-1.36	11.20	9.84	-12.20	2.14	20.16	-1.14	10.11	8.97

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 8, 2024
Temperature / Humidity 23 deg. C / 58 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 26-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-160 (OFDMA)(CDD) 26-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	0	0	0.28	0.24	0.52	-2.83	-	-	0.21	0.19	0.40	-3.97	24.00	27.97
	0	36	0.34	0.29	0.63	-2.02	-	-	0.26	0.22	0.48	-3.16	24.00	27.16
	1	36	0.33	0.30	0.63	-2.02	-	-	0.25	0.23	0.48	-3.16	24.00	27.16
6185	0	0	0.28	0.25	0.53	-2.78	-	-	0.22	0.19	0.41	-3.92	24.00	27.92
	0	36	0.33	0.29	0.63	-2.02	-	-	0.26	0.23	0.48	-3.16	24.00	27.16
	1	36	0.34	0.29	0.63	-1.97	-	-	0.26	0.22	0.49	-3.11	24.00	27.11
6345	0	0	0.32	0.27	0.59	-2.32	-	-	0.25	0.20	0.45	-3.46	24.00	27.46
	0	36	0.35	0.30	0.65	-1.84	-	-	0.27	0.23	0.50	-2.98	24.00	26.98
	1	36	0.33	0.27	0.60	-2.20	-	-	0.26	0.21	0.46	-3.34	24.00	27.34
6505	0	0	0.40	0.28	0.67	-1.71	-	-	0.30	0.21	0.52	-2.85	24.00	26.85
	0	36	0.40	0.28	0.68	-1.67	-	-	0.31	0.22	0.52	-2.81	24.00	26.81
	1	36	0.41	0.28	0.69	-1.60	-	-	0.32	0.22	0.53	-2.74	24.00	26.74
6665	0	0	0.40	0.26	0.66	-1.82	-	-	0.31	0.20	0.51	-2.96	24.00	26.96
	0	36	0.38	0.25	0.63	-2.01	-	-	0.29	0.19	0.48	-3.15	24.00	27.15
	1	36	0.32	0.21	0.52	-2.80	-	-	0.25	0.16	0.40	-3.94	24.00	27.94
6825	0	0	0.40	0.25	0.65	-1.89	-	-	0.31	0.19	0.50	-3.03	24.00	27.03
	0	36	0.37	0.24	0.60	-2.19	-	-	0.28	0.18	0.46	-3.33	24.00	27.33
	1	36	0.30	0.19	0.48	-3.17	-	-	0.23	0.14	0.37	-4.31	24.00	28.31
6985	0	0	0.42	0.24	0.66	-1.80	-	-	0.33	0.18	0.51	-2.94	24.00	26.94
	0	36	0.40	0.23	0.62	-2.04	-	-	0.31	0.18	0.48	-3.18	24.00	27.18
	1	36	0.31	0.18	0.49	-3.13	-	-	0.24	0.14	0.37	-4.27	24.00	28.27

			5G_CH0							5G_CH1					
Tested Frequency	Segment	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
6025	0	0	0.00	-7.51	1.97	0.00	-1.14	-5.54	-6.68	-8.14	1.99	0.00	-1.14	-6.15	-7.29
	0	36	0.00	-6.70	1.97	0.00	-1.14	-4.73	-5.87	-7.34	1.99	0.00	-1.14	-5.35	-6.49
	1	36	0.00	-6.79	1.97	0.00	-1.14	-4.82	-5.96	-7.24	1.99	0.00	-1.14	-5.25	-6.39
6185	0	0	0.00	-7.51	2.00	0.00	-1.14	-5.51	-6.65	-8.09	1.99	0.00	-1.14	-6.10	-7.24
	0	36	0.00	-6.76	2.00	0.00	-1.14	-4.76	-5.90	-7.32	1.99	0.00	-1.14	-5.33	-6.47
	1	36	0.00	-6.65	2.00	0.00	-1.14	-4.65	-5.79	-7.34	1.99	0.00	-1.14	-5.35	-6.49
6345	0	0	0.00	-6.99	2.04	0.00	-1.14	-4.95	-6.09	-7.75	2.00	0.00	-1.14	-5.75	-6.89
	0	36	0.00	-6.56	2.04	0.00	-1.14	-4.52	-5.66	-7.20	2.00	0.00	-1.14	-5.20	-6.34
	1	36	0.00	-6.83	2.04	0.00	-1.14	-4.79	-5.93	-7.66	2.00	0.00	-1.14	-5.66	-6.80
6505	0	0	0.00	-6.12	2.09	0.00	-1.14	-4.03	-5.17	-7.57	2.02	0.00	-1.14	-5.55	-6.69
	0	36	0.00	-6.08	2.09	0.00	-1.14	-3.99	-5.13	-7.53	2.02	0.00	-1.14	-5.51	-6.65
	1	36	0.00	-5.96	2.09	0.00	-1.14	-3.87	-5.01	-7.53	2.02	0.00	-1.14	-5.51	-6.65
6665	0	0	0.00	-6.15	2.17	0.00	-1.14	-3.98	-5.12	-7.98	2.09	0.00	-1.14	-5.89	-7.03
	0	36	0.00	-6.39	2.17	0.00	-1.14	-4.22	-5.36	-8.08	2.09	0.00	-1.14	-5.99	-7.13
	1	36	0.00	-7.12	2.17	0.00	-1.14	-4.95	-6.09	-8.97	2.09	0.00	-1.14	-6.88	-8.02
6825	0	0	0.00	-6.17	2.20	0.00	-1.14	-3.97	-5.11	-8.18	2.10	0.00	-1.14	-6.08	-7.22
	0	36	0.00	-6.57	2.20	0.00	-1.14	-4.37	-5.51	-8.33	2.10	0.00	-1.14	-6.23	-7.37
	1	36	0.00	-7.48	2.20	0.00	-1.14	-5.28	-6.42	-9.41	2.10	0.00	-1.14	-7.31	-8.45
6985	0	0	0.00	-5.98	2.26	0.00	-1.14	-3.72	-4.86	-8.40	2.13	0.00	-1.14	-6.27	-7.41
	0	36	0.00	-6.27	2.26	0.00	-1.14	-4.01	-5.15	-8.56	2.13	0.00	-1.14	-6.43	-7.57
	1	36	0.00	-7.38	2.26	0.00	-1.14	-5.12	-6.26	-9.60	2.13	0.00	-1.14	-7.47	-8.61

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 15, 2024
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-160 (OFDMA) 26-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-160 (OFDMA)(SDM) 26-tone RU

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
6025	0	0	0.28	0.24	0.51	-2.92	-	-	0.20	0.18	0.38	-4.17	24.00	28.17
	0	36	0.33	0.27	0.61	-2.17	-	-	0.24	0.21	0.45	-3.43	24.00	27.43
	1	36	0.34	0.29	0.63	-2.00	-	-	0.25	0.22	0.47	-3.26	24.00	27.26
6185	0	0	0.28	0.24	0.53	-2.77	-	-	0.21	0.19	0.40	-4.02	24.00	28.02
	0	36	0.34	0.28	0.62	-2.10	-	-	0.25	0.21	0.46	-3.36	24.00	27.36
	1	36	0.35	0.29	0.63	-1.98	-	-	0.25	0.22	0.47	-3.24	24.00	27.24
6345	0	0	0.31	0.26	0.57	-2.42	-	-	0.23	0.20	0.43	-3.67	24.00	27.67
	0	36	0.37	0.28	0.65	-1.87	-	-	0.27	0.22	0.49	-3.13	24.00	27.13
	1	36	0.34	0.27	0.60	-2.20	-	-	0.25	0.20	0.45	-3.46	24.00	27.46
6505	0	0	0.42	0.27	0.69	-1.64	-	-	0.30	0.21	0.51	-2.91	24.00	26.91
	0	36	0.40	0.27	0.67	-1.75	-	-	0.29	0.20	0.50	-3.03	24.00	27.03
	1	36	0.33	0.22	0.55	-2.58	-	-	0.24	0.17	0.41	-3.85	24.00	27.85
6665	0	0	0.41	0.26	0.67	-1.75	-	-	0.30	0.20	0.50	-3.03	24.00	27.03
	0	36	0.40	0.24	0.63	-1.99	-	-	0.29	0.18	0.47	-3.27	24.00	27.27
	1	36	0.32	0.20	0.52	-2.85	-	-	0.24	0.15	0.39	-4.13	24.00	28.13
6825	0	0	0.40	0.24	0.64	-1.91	-	-	0.29	0.19	0.48	-3.18	24.00	27.18
	0	36	0.39	0.23	0.62	-2.07	-	-	0.29	0.18	0.46	-3.35	24.00	27.35
	1	36	0.32	0.18	0.50	-3.02	-	-	0.23	0.14	0.37	-4.30	24.00	28.30
6985	0	0	0.41	0.23	0.65	-1.88	-	-	0.30	0.18	0.48	-3.16	24.00	27.16
	0	36	0.40	0.21	0.62	-2.10	-	-	0.29	0.16	0.46	-3.38	24.00	27.38
	1	36	0.32	0.17	0.49	-3.08	-	-	0.23	0.13	0.37	-4.36	24.00	28.36

				5G_CH0						5G_CH1					
Tested Frequency	Segment	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]			[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.
								[dBm]	[dBm]	[dBm]				[dBm]	[dBm]
6025	0	0	0.00	-7.56	1.97	0.00	-1.36	-5.59	-6.95	-8.27	1.99	0.00	-1.14	-6.28	-7.42
	0	36	0.00	-6.73	1.97	0.00	-1.36	-4.76	-6.12	-7.63	1.99	0.00	-1.14	-5.64	-6.78
	1	36	0.00	-6.64	1.97	0.00	-1.36	-4.67	-6.03	-7.36	1.99	0.00	-1.14	-5.37	-6.51
6185	0	0	0.00	-7.46	2.00	0.00	-1.36	-5.46	-6.82	-8.11	1.99	0.00	-1.14	-6.12	-7.26
	0	36	0.00	-6.70	2.00	0.00	-1.36	-4.70	-6.06	-7.55	1.99	0.00	-1.14	-5.56	-6.70
	1	36	0.00	-6.61	2.00	0.00	-1.36	-4.61	-5.97	-7.40	1.99	0.00	-1.14	-5.41	-6.55
6345	0	0	0.00	-7.09	2.04	0.00	-1.36	-5.05	-6.41	-7.83	2.00	0.00	-1.14	-5.83	-6.97
	0	36	0.00	-6.39	2.04	0.00	-1.36	-4.35	-5.71	-7.48	2.00	0.00	-1.14	-5.48	-6.62
	1	36	0.00	-6.76	2.04	0.00	-1.36	-4.72	-6.08	-7.76	2.00	0.00	-1.14	-5.76	-6.90
6505	0	0	0.00	-5.90	2.09	0.00	-1.36	-3.81	-5.17	-7.72	2.02	0.00	-1.14	-5.70	-6.84
	0	36	0.00	-6.05	2.09	0.00	-1.36	-3.96	-5.32	-7.78	2.02	0.00	-1.14	-5.76	-6.90
	1	36	0.00	-6.85	2.09	0.00	-1.36	-4.76	-6.12	-8.65	2.02	0.00	-1.14	-6.63	-7.77
6665	0	0	0.00	-6.03	2.17	0.00	-1.36	-3.86	-5.22	-7.99	2.09	0.00	-1.14	-5.90	-7.04
	0	36	0.00	-6.20	2.17	0.00	-1.36	-4.03	-5.39	-8.35	2.09	0.00	-1.14	-6.26	-7.40
	1	36	0.00	-7.07	2.17	0.00	-1.36	-4.90	-6.26	-9.19	2.09	0.00	-1.14	-7.10	-8.24
6825	0	0	0.00	-6.15	2.20	0.00	-1.36	-3.95	-5.31	-8.26	2.10	0.00	-1.14	-6.16	-7.30
	0	36	0.00	-6.27	2.20	0.00	-1.36	-4.07	-5.43	-8.50	2.10	0.00	-1.14	-6.40	-7.54
	1	36	0.00	-7.17	2.20	0.00	-1.36	-4.97	-6.33	-9.53	2.10	0.00	-1.14	-7.43	-8.57
6985	0	0	0.00	-6.08	2.26	0.00	-1.36	-3.82	-5.18	-8.46	2.13	0.00	-1.14	-6.33	-7.47
	0	36	0.00	-6.22	2.26	0.00	-1.36	-3.96	-5.32	-8.82	2.13	0.00	-1.14	-6.69	-7.83
	1	36	0.00	-7.20	2.26	0.00	-1.36	-4.94	-6.30	-9.78	2.13	0.00	-1.14	-7.65	-8.79

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 9, 2024
Temperature / Humidity 21 deg. C / 50 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 52-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-160 (OFDMA)(CDD) 52-tone RU

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	0	37	0.60	0.52	1.12	0.49	-	-	0.46	0.40	0.86	-0.65	24.00	24.65
	0	52	0.70	0.62	1.32	1.21	-	-	0.54	0.48	1.02	0.07	24.00	23.93
	1	52	0.74	0.64	1.38	1.41	-	-	0.57	0.49	1.06	0.27	24.00	23.73
6185	0	37	0.60	0.49	1.09	0.37	-	-	0.46	0.38	0.84	-0.77	24.00	24.77
	0	52	0.68	0.59	1.27	1.04	-	-	0.53	0.45	0.98	-0.10	24.00	24.10
	1	52	0.72	0.58	1.30	1.13	-	-	0.55	0.45	1.00	-0.01	24.00	24.01
6345	0	37	0.69	0.57	1.26	1.02	-	-	0.53	0.44	0.97	-0.12	24.00	24.12
	0	52	0.75	0.65	1.39	1.43	-	-	0.57	0.50	1.07	0.29	24.00	23.71
	1	52	0.73	0.59	1.32	1.21	-	-	0.56	0.45	1.02	0.07	24.00	23.93
6505	0	37	0.77	0.53	1.30	1.13	-	-	0.59	0.41	1.00	-0.01	24.00	24.01
	0	52	0.78	0.54	1.32	1.20	-	-	0.60	0.41	1.01	0.06	24.00	23.94
	1	52	0.66	0.44	1.10	0.43	-	-	0.51	0.34	0.85	-0.71	24.00	24.71
6665	0	37	0.78	0.51	1.29	1.11	-	-	0.60	0.39	0.99	-0.03	24.00	24.03
	0	52	0.75	0.50	1.25	0.96	-	-	0.58	0.38	0.96	-0.18	24.00	24.18
	1	52	0.63	0.40	1.03	0.12	-	-	0.49	0.30	0.79	-1.02	24.00	25.02
6825	0	37	0.79	0.49	1.28	1.08	-	-	0.61	0.38	0.99	-0.06	24.00	24.06
	0	52	0.74	0.46	1.20	0.79	-	-	0.57	0.36	0.92	-0.35	24.00	24.35
	1	52	0.62	0.36	0.98	-0.09	-	-	0.47	0.28	0.75	-1.23	24.00	25.23
6985	0	37	0.84	0.48	1.32	1.20	-	-	0.65	0.37	1.01	0.06	24.00	23.94
	0	52	0.77	0.46	1.24	0.93	-	-	0.59	0.36	0.95	-0.21	24.00	24.21
	1	52	0.65	0.36	1.01	0.05	-	-	0.50	0.28	0.78	-1.09	24.00	25.09

Tested Frequency [MHz]	Segment	RU Index	5G_CH0						5G_CH1					
			Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]
6025	0	37	0.00	-4.16	1.97	0.00	-1.14	-2.19	-3.33	-4.86	1.99	0.00	-1.14	-2.87
	0	52	0.00	-3.51	1.97	0.00	-1.14	-1.54	-2.68	-4.05	1.99	0.00	-1.14	-2.06
	1	52	0.00	-3.25	1.97	0.00	-1.14	-1.28	-2.42	-3.93	1.99	0.00	-1.14	-1.94
6185	0	37	0.00	-4.25	2.00	0.00	-1.14	-2.25	-3.39	-5.06	1.99	0.00	-1.14	-3.07
	0	52	0.00	-3.65	2.00	0.00	-1.14	-1.65	-2.79	-4.31	1.99	0.00	-1.14	-2.32
	1	52	0.00	-3.45	2.00	0.00	-1.14	-1.45	-2.59	-4.34	1.99	0.00	-1.14	-2.35
6345	0	37	0.00	-3.64	2.04	0.00	-1.14	-1.60	-2.74	-4.42	2.00	0.00	-1.14	-2.42
	0	52	0.00	-3.31	2.04	0.00	-1.14	-1.27	-2.41	-3.90	2.00	0.00	-1.14	-1.90
	1	52	0.00	-3.39	2.04	0.00	-1.14	-1.35	-2.49	-4.29	2.00	0.00	-1.14	-2.29
6505	0	37	0.00	-3.25	2.09	0.00	-1.14	-1.16	-2.30	-4.78	2.02	0.00	-1.14	-2.76
	0	52	0.00	-3.18	2.09	0.00	-1.14	-1.09	-2.23	-4.71	2.02	0.00	-1.14	-2.69
	1	52	0.00	-3.89	2.09	0.00	-1.14	-1.80	-2.94	-5.56	2.02	0.00	-1.14	-3.54
6665	0	37	0.00	-3.22	2.17	0.00	-1.14	-1.05	-2.19	-5.04	2.09	0.00	-1.14	-2.95
	0	52	0.00	-3.42	2.17	0.00	-1.14	-1.25	-2.39	-5.12	2.09	0.00	-1.14	-3.03
	1	52	0.00	-4.15	2.17	0.00	-1.14	-1.98	-3.12	-6.12	2.09	0.00	-1.14	-4.03
6825	0	37	0.00	-3.22	2.20	0.00	-1.14	-1.02	-2.16	-5.18	2.10	0.00	-1.14	-3.08
	0	52	0.00	-3.53	2.20	0.00	-1.14	-1.33	-2.47	-5.43	2.10	0.00	-1.14	-3.33
	1	52	0.00	-4.30	2.20	0.00	-1.14	-2.10	-3.24	-6.49	2.10	0.00	-1.14	-4.39
6985	0	37	0.00	-3.00	2.26	0.00	-1.14	-0.74	-1.88	-5.36	2.13	0.00	-1.14	-3.23
	0	52	0.00	-3.38	2.26	0.00	-1.14	-1.12	-2.26	-5.46	2.13	0.00	-1.14	-3.33
	1	52	0.00	-4.14	2.26	0.00	-1.14	-1.88	-3.02	-6.54	2.13	0.00	-1.14	-4.41

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)=set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 15, 2024
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-160 (OFDMA) 52-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-160 (OFDMA)(SDM) 52-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	0	37	0.58	0.48	1.06	0.24	-	-	0.42	0.37	0.79	-1.02	24.00	25.02
	0	52	0.67	0.55	1.22	0.88	-	-	0.49	0.42	0.92	-0.38	24.00	24.38
	1	52	0.69	0.60	1.29	1.12	-	-	0.51	0.46	0.97	-0.14	24.00	24.14
6185	0	37	0.57	0.47	1.04	0.18	-	-	0.42	0.36	0.78	-1.07	24.00	25.07
	0	52	0.66	0.54	1.20	0.79	-	-	0.48	0.41	0.90	-0.47	24.00	24.47
	1	52	0.67	0.55	1.22	0.87	-	-	0.49	0.43	0.91	-0.39	24.00	24.39
6345	0	37	0.65	0.53	1.18	0.73	-	-	0.47	0.41	0.88	-0.53	24.00	24.53
	0	52	0.73	0.58	1.31	1.16	-	-	0.53	0.45	0.98	-0.10	24.00	24.10
	1	52	0.67	0.55	1.22	0.88	-	-	0.49	0.42	0.92	-0.38	24.00	24.38
6505	0	37	0.78	0.55	1.33	1.24	-	-	0.57	0.42	0.99	-0.03	24.00	24.03
	0	52	0.79	0.52	1.31	1.18	-	-	0.58	0.40	0.98	-0.10	24.00	24.10
	1	52	0.67	0.45	1.12	0.48	-	-	0.49	0.35	0.83	-0.79	24.00	24.79
6665	0	37	0.80	0.52	1.32	1.20	-	-	0.59	0.40	0.98	-0.07	24.00	24.07
	0	52	0.79	0.48	1.27	1.02	-	-	0.58	0.37	0.94	-0.25	24.00	24.25
	1	52	0.65	0.41	1.05	0.23	-	-	0.47	0.31	0.79	-1.04	24.00	25.04
6825	0	37	0.79	0.50	1.29	1.11	-	-	0.58	0.38	0.96	-0.16	24.00	24.16
	0	52	0.75	0.46	1.21	0.83	-	-	0.55	0.35	0.90	-0.45	24.00	24.45
	1	52	0.65	0.37	1.01	0.06	-	-	0.47	0.28	0.75	-1.22	24.00	25.22
6985	0	37	0.86	0.49	1.35	1.30	-	-	0.63	0.38	1.00	0.02	24.00	23.98
	0	52	0.79	0.45	1.24	0.93	-	-	0.58	0.35	0.92	-0.35	24.00	24.35
	1	52	0.66	0.35	1.01	0.05	-	-	0.48	0.27	0.75	-1.23	24.00	25.23

				5G_CH0					5G_CH1						
Tested Frequency	Segment	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]			[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.
								[dBm]	[dBm]	[dBm]				[dBm]	[dBm]
6025	0	37	0.00	-4.33	1.97	0.00	-1.36	-2.36	-3.72	-5.20	1.99	0.00	-1.14	-3.21	-4.35
	0	52	0.00	-3.68	1.97	0.00	-1.36	-1.71	-3.07	-4.58	1.99	0.00	-1.14	-2.59	-3.73
	1	52	0.00	-3.57	1.97	0.00	-1.36	-1.60	-2.96	-4.19	1.99	0.00	-1.14	-2.20	-3.34
6185	0	37	0.00	-4.45	2.00	0.00	-1.36	-2.45	-3.81	-5.23	1.99	0.00	-1.14	-3.24	-4.38
	0	52	0.00	-3.79	2.00	0.00	-1.36	-1.79	-3.15	-4.70	1.99	0.00	-1.14	-2.71	-3.85
	1	52	0.00	-3.76	2.00	0.00	-1.36	-1.76	-3.12	-4.55	1.99	0.00	-1.14	-2.56	-3.70
6345	0	37	0.00	-3.92	2.04	0.00	-1.36	-1.88	-3.24	-4.72	2.00	0.00	-1.14	-2.72	-3.86
	0	52	0.00	-3.42	2.04	0.00	-1.36	-1.38	-2.74	-4.36	2.00	0.00	-1.14	-2.36	-3.50
	1	52	0.00	-3.75	2.04	0.00	-1.36	-1.71	-3.07	-4.59	2.00	0.00	-1.14	-2.59	-3.73
6505	0	37	0.00	-3.17	2.09	0.00	-1.36	-1.08	-2.44	-4.62	2.02	0.00	-1.14	-2.60	-3.74
	0	52	0.00	-3.10	2.09	0.00	-1.36	-1.01	-2.37	-4.88	2.02	0.00	-1.14	-2.86	-4.00
	1	52	0.00	-3.84	2.09	0.00	-1.36	-1.75	-3.11	-5.50	2.02	0.00	-1.14	-3.48	-4.62
6665	0	37	0.00	-3.12	2.17	0.00	-1.36	-0.95	-2.31	-4.96	2.09	0.00	-1.14	-2.87	-4.01
	0	52	0.00	-3.21	2.17	0.00	-1.36	-1.04	-2.40	-5.29	2.09	0.00	-1.14	-3.20	-4.34
	1	52	0.00	-4.06	2.17	0.00	-1.36	-1.89	-3.25	-5.99	2.09	0.00	-1.14	-3.90	-5.04
6825	0	37	0.00	-3.21	2.20	0.00	-1.36	-1.01	-2.37	-5.11	2.10	0.00	-1.14	-3.01	-4.15
	0	52	0.00	-3.43	2.20	0.00	-1.36	-1.23	-2.59	-5.50	2.10	0.00	-1.14	-3.40	-4.54
	1	52	0.00	-4.10	2.20	0.00	-1.36	-1.90	-3.26	-6.44	2.10	0.00	-1.14	-4.34	-5.48
6985	0	37	0.00	-2.92	2.26	0.00	-1.36	-0.66	-2.02	-5.24	2.13	0.00	-1.14	-3.11	-4.25
	0	52	0.00	-3.30	2.26	0.00	-1.36	-1.04	-2.40	-5.59	2.13	0.00	-1.14	-3.46	-4.60
	1	52	0.00	-4.06	2.26	0.00	-1.36	-1.80	-3.16	-6.67	2.13	0.00	-1.14	-4.54	-5.68

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. Wireless shielded room 1
Date May 9, 2024
Temperature / Humidity 21 deg. C / 50 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 106-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-160 (OFDMA)(CDD) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	0	53	0.83	0.73	1.56	1.93	-	-	0.64	0.56	1.20	0.79	24.00	23.21
	0	60	1.02	0.87	1.89	2.77	-	-	0.79	0.67	1.46	1.63	24.00	22.37
	1	60	1.03	0.91	1.94	2.88	-	-	0.80	0.70	1.49	1.74	24.00	22.26
6185	0	53	0.83	0.71	1.54	1.87	-	-	0.64	0.55	1.18	0.73	24.00	23.27
	0	60	0.99	0.83	1.82	2.61	-	-	0.76	0.64	1.40	1.47	24.00	22.53
	1	60	1.00	0.83	1.83	2.63	-	-	0.77	0.64	1.41	1.49	24.00	22.51
6345	0	53	0.97	0.83	1.80	2.54	-	-	0.74	0.64	1.38	1.40	24.00	22.60
	0	60	1.08	0.90	1.98	2.97	-	-	0.83	0.69	1.52	1.83	24.00	22.17
	1	60	1.02	0.81	1.82	2.61	-	-	0.78	0.62	1.40	1.47	24.00	22.53
6505	0	53	1.07	0.74	1.81	2.58	-	-	0.82	0.57	1.39	1.44	24.00	22.56
	0	60	1.06	0.73	1.78	2.51	-	-	0.81	0.56	1.37	1.37	24.00	22.63
	1	60	1.08	0.74	1.82	2.61	-	-	0.83	0.57	1.40	1.47	24.00	22.53
6665	0	53	1.08	0.70	1.78	2.51	-	-	0.83	0.54	1.37	1.37	24.00	22.63
	0	60	1.03	0.66	1.69	2.28	-	-	0.79	0.51	1.30	1.14	24.00	22.86
	1	60	0.84	0.53	1.37	1.37	-	-	0.65	0.40	1.05	0.23	24.00	23.77
6825	0	53	1.05	0.66	1.71	2.33	-	-	0.81	0.51	1.32	1.19	24.00	22.81
	0	60	1.02	0.62	1.64	2.15	-	-	0.78	0.48	1.26	1.01	24.00	22.99
	1	60	0.83	0.50	1.33	1.24	-	-	0.64	0.38	1.02	0.10	24.00	23.90
6985	0	53	0.92	0.51	1.43	1.56	-	-	0.71	0.39	1.10	0.42	24.00	23.58
	0	60	0.85	0.49	1.34	1.26	-	-	0.65	0.37	1.03	0.12	24.00	23.88
	1	60	0.68	0.38	1.05	0.23	-	-	0.52	0.29	0.81	-0.91	24.00	24.91

Tested Frequency [MHz]	Segment	RU Index	5G_CH0						5G_CH1					
			Duty Factor *1) [dB]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]
6025	0	53	0.00	-22.93	1.97	20.17	-1.14	-0.79	-1.93	-23.53	1.99	20.16	-1.14	-1.38
	0	60	0.00	-22.03	1.97	20.17	-1.14	0.11	-1.03	-22.76	1.99	20.16	-1.14	-0.61
	1	60	0.00	-21.99	1.97	20.17	-1.14	0.15	-0.99	-22.58	1.99	20.16	-1.14	-0.43
6185	0	53	0.00	-22.99	2.00	20.17	-1.14	-0.82	-1.96	-23.63	1.99	20.16	-1.14	-1.48
	0	60	0.00	-22.21	2.00	20.17	-1.14	-0.04	-1.18	-22.95	1.99	20.16	-1.14	-0.80
	1	60	0.00	-22.15	2.00	20.17	-1.14	0.02	-1.12	-22.98	1.99	20.16	-1.14	-0.83
6345	0	53	0.00	-22.34	2.04	20.16	-1.14	-0.14	-1.28	-22.98	2.00	20.16	-1.14	-0.82
	0	60	0.00	-21.87	2.04	20.16	-1.14	0.33	-0.81	-22.61	2.00	20.16	-1.14	-0.45
	1	60	0.00	-22.13	2.04	20.16	-1.14	0.07	-1.07	-23.09	2.00	20.16	-1.14	-0.93
6505	0	53	0.00	-21.97	2.09	20.15	-1.14	0.28	-0.86	-23.47	2.02	20.16	-1.14	-1.29
	0	60	0.00	-22.01	2.09	20.15	-1.14	0.24	-0.90	-23.58	2.02	20.16	-1.14	-1.40
	1	60	0.00	-21.92	2.09	20.15	-1.14	0.33	-0.81	-23.47	2.02	20.16	-1.14	-1.29
6665	0	53	0.00	-21.97	2.17	20.15	-1.14	0.35	-0.79	-23.80	2.09	20.16	-1.14	-1.55
	0	60	0.00	-22.18	2.17	20.15	-1.14	0.14	-1.00	-24.07	2.09	20.16	-1.14	-1.82
	1	60	0.00	-23.06	2.17	20.15	-1.14	-0.74	-1.88	-25.04	2.09	20.16	-1.14	-2.79
6825	0	53	0.00	-22.14	2.20	20.15	-1.14	0.21	-0.93	-24.06	2.10	20.16	-1.14	-1.80
	0	60	0.00	-22.27	2.20	20.15	-1.14	0.08	-1.06	-24.31	2.10	20.16	-1.14	-2.05
	1	60	0.00	-23.15	2.20	20.15	-1.14	-0.80	-1.94	-25.28	2.10	20.16	-1.14	-3.02
6985	0	53	0.00	-22.76	2.26	20.15	-1.14	-0.35	-1.49	-25.21	2.13	20.16	-1.14	-2.92
	0	60	0.00	-23.11	2.26	20.15	-1.14	-0.70	-1.84	-25.42	2.13	20.16	-1.14	-3.13
	1	60	0.00	-24.09	2.26	20.15	-1.14	-1.68	-2.82	-26.55	2.13	20.16	-1.14	-4.26

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)=set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 15, 2024
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-160 (OFDMA) 106-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-160 (OFDMA)(SDM) 106-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	0	53	0.80	0.66	1.46	1.63	-	-	0.58	0.51	1.09	0.38	24.00	23.62
	0	60	0.92	0.77	1.69	2.28	-	-	0.67	0.60	1.26	1.02	24.00	22.98
	1	60	0.96	0.82	1.78	2.51	-	-	0.70	0.63	1.34	1.26	24.00	22.74
6185	0	53	0.78	0.65	1.43	1.54	-	-	0.57	0.50	1.07	0.29	24.00	23.71
	0	60	0.91	0.72	1.63	2.11	-	-	0.67	0.55	1.22	0.85	24.00	23.15
	1	60	0.94	0.74	1.67	2.23	-	-	0.68	0.57	1.25	0.97	24.00	23.03
6345	0	53	0.89	0.74	1.63	2.12	-	-	0.65	0.57	1.22	0.86	24.00	23.14
	0	60	0.98	0.79	1.77	2.47	-	-	0.72	0.60	1.32	1.21	24.00	22.79
	1	60	0.94	0.74	1.68	2.26	-	-	0.69	0.57	1.26	1.00	24.00	23.00
6505	0	53	1.10	0.76	1.86	2.68	-	-	0.80	0.58	1.39	1.42	24.00	22.58
	0	60	1.10	0.73	1.82	2.61	-	-	0.80	0.56	1.36	1.34	24.00	22.66
	1	60	0.94	0.60	1.54	1.88	-	-	0.69	0.46	1.15	0.61	24.00	23.39
6665	0	53	1.14	0.72	1.87	2.71	-	-	0.84	0.56	1.39	1.43	24.00	22.57
	0	60	1.07	0.66	1.73	2.37	-	-	0.78	0.50	1.29	1.10	24.00	22.90
	1	60	0.90	0.53	1.43	1.55	-	-	0.66	0.40	1.06	0.27	24.00	23.73
6825	0	53	1.12	0.67	1.79	2.53	-	-	0.82	0.52	1.34	1.26	24.00	22.74
	0	60	1.07	0.62	1.69	2.28	-	-	0.78	0.48	1.26	1.00	24.00	23.00
	1	60	0.87	0.50	1.37	1.37	-	-	0.63	0.39	1.02	0.09	24.00	23.91
6985	0	53	0.94	0.52	1.46	1.65	-	-	0.69	0.40	1.09	0.37	24.00	23.63
	0	60	0.88	0.48	1.36	1.34	-	-	0.64	0.37	1.01	0.06	24.00	23.94
	1	60	0.71	0.38	1.08	0.34	-	-	0.52	0.29	0.81	-0.94	24.00	24.94

Tested Frequency [MHz]	Segment	RU Index	5G_CH0						5G_CH1					
			Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	e.i.r.p.
			[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	[dBm]
6025	0	53	0.00	-2.95	1.97	0.00	-1.36	-0.98	-2.34	-3.79	1.99	0.00	-1.14	-1.80
	0	60	0.00	-2.35	1.97	0.00	-1.36	-0.38	-1.74	-3.10	1.99	0.00	-1.14	-1.11
	1	60	0.00	-2.14	1.97	0.00	-1.36	-0.17	-1.53	-2.83	1.99	0.00	-1.14	-0.84
6185	0	53	0.00	-3.09	2.00	0.00	-1.36	-1.09	-2.45	-3.87	1.99	0.00	-1.14	-1.88
	0	60	0.00	-2.41	2.00	0.00	-1.36	-0.41	-1.77	-3.44	1.99	0.00	-1.14	-1.45
	1	60	0.00	-2.29	2.00	0.00	-1.36	-0.29	-1.65	-3.32	1.99	0.00	-1.14	-1.33
6345	0	53	0.00	-2.55	2.04	0.00	-1.36	-0.51	-1.87	-3.31	2.00	0.00	-1.14	-1.31
	0	60	0.00	-2.12	2.04	0.00	-1.36	-0.08	-1.44	-3.04	2.00	0.00	-1.14	-1.04
	1	60	0.00	-2.31	2.04	0.00	-1.36	-0.27	-1.63	-3.28	2.00	0.00	-1.14	-1.28
6505	0	53	0.00	-1.68	2.09	0.00	-1.36	0.41	-0.95	-3.24	2.02	0.00	-1.14	-1.22
	0	60	0.00	-1.69	2.09	0.00	-1.36	0.40	-0.96	-3.41	2.02	0.00	-1.14	-1.39
	1	60	0.00	-2.36	2.09	0.00	-1.36	-0.27	-1.63	-4.22	2.02	0.00	-1.14	-2.20
6665	0	53	0.00	-1.59	2.17	0.00	-1.36	0.58	-0.78	-3.50	2.09	0.00	-1.14	-1.41
	0	60	0.00	-1.87	2.17	0.00	-1.36	0.30	-1.06	-3.92	2.09	0.00	-1.14	-1.83
	1	60	0.00	-2.62	2.17	0.00	-1.36	-0.45	-1.81	-4.88	2.09	0.00	-1.14	-2.79
6825	0	53	0.00	-1.71	2.20	0.00	-1.36	0.49	-0.87	-3.82	2.10	0.00	-1.14	-1.72
	0	60	0.00	-1.91	2.20	0.00	-1.36	0.29	-1.07	-4.17	2.10	0.00	-1.14	-2.07
	1	60	0.00	-2.82	2.20	0.00	-1.36	-0.62	-1.98	-5.08	2.10	0.00	-1.14	-2.98
6985	0	53	0.00	-2.51	2.26	0.00	-1.36	-0.25	-1.61	-4.99	2.13	0.00	-1.14	-2.86
	0	60	0.00	-2.82	2.26	0.00	-1.36	-0.56	-1.92	-5.30	2.13	0.00	-1.14	-3.17
	1	60	0.00	-3.77	2.26	0.00	-1.36	-1.51	-2.87	-6.38	2.13	0.00	-1.14	-4.25

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 26, 2024
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-160 (OFDMA) 242-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-160 (OFDMA)(CDD) 242-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
6025	0	61	2.97	1.97	4.94	6.93	-	-	2.28	1.51	3.80	5.79	24.00	18.21
	0	64	3.40	2.28	5.68	7.54	-	-	2.62	1.75	4.37	6.40	24.00	17.60
	1	64	3.67	2.61	6.28	7.98	-	-	2.82	2.00	4.83	6.84	24.00	17.16
6185	0	61	3.06	1.99	5.05	7.03	-	-	2.35	1.53	3.89	5.89	24.00	18.11
	0	64	3.53	2.26	5.78	7.62	-	-	2.71	1.74	4.45	6.48	24.00	17.52
	1	64	3.72	2.27	5.99	7.77	-	-	2.86	1.74	4.60	6.63	24.00	17.37
6345	0	61	3.34	2.67	6.00	7.78	-	-	2.57	2.05	4.62	6.64	24.00	17.36
	0	64	3.71	2.83	6.54	8.15	-	-	2.85	2.17	5.03	7.01	24.00	16.99
	1	64	3.69	2.66	6.35	8.03	-	-	2.84	2.04	4.88	6.89	24.00	17.11
6505	0	61	4.19	2.32	6.51	8.13	-	-	3.22	1.78	5.00	6.99	24.00	17.01
	0	64	4.17	2.30	6.48	8.11	-	-	3.21	1.77	4.98	6.97	24.00	17.03
	1	64	3.61	1.93	5.53	7.43	-	-	2.77	1.48	4.26	6.29	24.00	17.71
6665	0	61	3.74	2.32	6.06	7.82	-	-	2.88	1.78	4.66	6.68	24.00	17.32
	0	64	3.47	2.13	5.59	7.48	-	-	2.67	1.64	4.30	6.34	24.00	17.66
	1	64	2.80	1.68	4.48	6.51	-	-	2.15	1.29	3.45	5.37	24.00	18.63
6825	0	61	4.04	2.32	6.36	8.04	-	-	3.11	1.78	4.89	6.90	24.00	17.10
	0	64	3.73	2.15	5.88	7.69	-	-	2.87	1.65	4.52	6.55	24.00	17.45
	1	64	2.98	1.86	4.85	6.86	-	-	2.29	1.43	3.73	5.72	24.00	18.28
6985	0	61	4.00	2.35	6.35	8.03	-	-	3.07	1.81	4.88	6.89	24.00	17.11
	0	64	3.60	2.29	5.89	7.70	-	-	2.77	1.76	4.53	6.56	24.00	17.44
	1	64	2.68	1.93	4.61	6.64	-	-	2.06	1.49	3.55	5.50	24.00	18.50

				5G_CH0						5G_CH1					
Tested Frequency	Segment	RU Index	Duty Factor *1) [dB]	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result	
[MHz]				[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
6025	0	61	0.00	-17.41	1.96	20.17	-1.14	4.73	3.59	-19.22	2.00	20.16	-1.14	2.94	1.80
	0	64	0.00	-16.82	1.96	20.17	-1.14	5.32	4.18	-18.58	2.00	20.16	-1.14	3.58	2.44
	1	64	0.00	-16.49	1.96	20.17	-1.14	5.65	4.51	-18.00	2.00	20.16	-1.14	4.16	3.02
6185	0	61	0.00	-17.31	2.00	20.17	-1.14	4.85	3.71	-19.17	2.00	20.16	-1.14	3.00	1.86
	0	64	0.00	-16.69	2.00	20.17	-1.14	5.47	4.33	-18.63	2.00	20.16	-1.14	3.54	2.40
	1	64	0.00	-16.46	2.00	20.17	-1.14	5.70	4.56	-18.61	2.00	20.16	-1.14	3.56	2.42
6345	0	61	0.00	-16.96	2.03	20.16	-1.14	5.23	4.09	-17.91	2.01	20.16	-1.14	4.26	3.12
	0	64	0.00	-16.50	2.03	20.16	-1.14	5.69	4.55	-17.66	2.01	20.16	-1.14	4.51	3.37
	1	64	0.00	-16.52	2.03	20.16	-1.14	5.67	4.53	-17.93	2.01	20.16	-1.14	4.24	3.10
6505	0	61	0.00	-16.02	2.09	20.15	-1.14	6.22	5.08	-18.55	2.03	20.16	-1.14	3.65	2.51
	0	64	0.00	-16.04	2.09	20.15	-1.14	6.20	5.06	-18.57	2.03	20.16	-1.14	3.63	2.49
	1	64	0.00	-16.67	2.09	20.15	-1.14	5.57	4.43	-19.35	2.03	20.16	-1.14	2.85	1.71
6665	0	61	0.00	-16.59	2.16	20.15	-1.14	5.73	4.59	-18.61	2.10	20.16	-1.14	3.65	2.51
	0	64	0.00	-16.92	2.16	20.15	-1.14	5.40	4.26	-18.98	2.10	20.16	-1.14	3.28	2.14
	1	64	0.00	-17.85	2.16	20.15	-1.14	4.47	3.33	-20.00	2.10	20.16	-1.14	2.26	1.12
6825	0	61	0.00	-16.28	2.20	20.15	-1.14	6.07	4.93	-18.61	2.11	20.16	-1.14	3.66	2.52
	0	64	0.00	-16.63	2.20	20.15	-1.14	5.72	4.58	-18.94	2.11	20.16	-1.14	3.33	2.19
	1	64	0.00	-17.60	2.20	20.15	-1.14	4.75	3.61	-19.56	2.11	20.16	-1.14	2.71	1.57
6985	0	61	0.00	-16.39	2.26	20.15	-1.14	6.02	4.88	-18.59	2.14	20.16	-1.14	3.71	2.57
	0	64	0.00	-16.84	2.26	20.15	-1.14	5.57	4.43	-18.71	2.14	20.16	-1.14	3.59	2.45
	1	64	0.00	-18.13	2.26	20.15	-1.14	4.28	3.14	-19.44	2.14	20.16	-1.14	2.86	1.72

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date February 26, 2024
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-160 (OFDMA) 242-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-160 (OFDMA)(SDM) 242-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
6025	0	61	3.03	2.00	5.03	7.01	-	-	2.22	1.53	3.75	5.74	24.00	18.26
	0	64	3.53	2.38	5.91	7.71	-	-	2.58	1.83	4.41	6.44	24.00	17.56
	1	64	3.88	2.70	6.58	8.18	-	-	2.84	2.08	4.92	6.92	24.00	17.08
6185	0	61	3.17	2.10	5.27	7.22	-	-	2.32	1.62	3.94	5.95	24.00	18.05
	0	64	3.75	2.34	6.09	7.84	-	-	2.74	1.80	4.54	6.57	24.00	17.43
	1	64	3.85	2.42	6.27	7.97	-	-	2.81	1.86	4.68	6.70	24.00	17.30
6345	0	61	3.41	2.79	6.21	7.93	-	-	2.50	2.15	4.64	6.67	24.00	17.33
	0	64	3.88	2.92	6.80	8.33	-	-	2.84	2.24	5.08	7.06	24.00	16.94
	1	64	3.81	2.82	6.63	8.22	-	-	2.79	2.17	4.96	6.95	24.00	17.05
6505	0	61	4.37	2.48	6.85	8.36	-	-	3.19	1.91	5.10	7.08	24.00	16.92
	0	64	4.34	2.42	6.76	8.30	-	-	3.17	1.86	5.04	7.02	24.00	16.98
	1	64	3.70	2.02	5.72	7.57	-	-	2.71	1.55	4.26	6.29	24.00	17.71
6665	0	61	3.83	2.39	6.23	7.94	-	-	2.80	1.84	4.64	6.67	24.00	17.33
	0	64	3.61	2.25	5.86	7.68	-	-	2.64	1.73	4.37	6.41	24.00	17.59
	1	64	2.90	1.80	4.70	6.72	-	-	2.12	1.38	3.50	5.44	24.00	18.56
6825	0	61	4.18	2.45	6.62	8.21	-	-	3.05	1.88	4.93	6.93	24.00	17.07
	0	64	3.92	2.32	6.24	7.96	-	-	2.87	1.78	4.65	6.68	24.00	17.32
	1	64	3.11	1.96	5.07	7.05	-	-	2.27	1.51	3.78	5.78	24.00	18.22
6985	0	61	4.15	2.57	6.72	8.27	-	-	3.03	1.98	5.01	7.00	24.00	17.00
	0	64	3.71	2.46	6.17	7.91	-	-	2.72	1.89	4.61	6.63	24.00	17.37
	1	64	2.88	2.04	4.92	6.92	-	-	2.10	1.57	3.67	5.65	24.00	18.35

Tested Frequency [MHz]	Segment	RU Index	Duty Factor *1)	5G_CH0						5G_CH1					
				Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]
6025	0	61	0.00	-17.32	1.96	20.17	-1.36	4.82	3.46	-19.16	2.00	20.16	-1.14	3.00	1.86
	0	64	0.00	-16.66	1.96	20.17	-1.36	5.48	4.12	-18.40	2.00	20.16	-1.14	3.76	2.62
	1	64	0.00	-16.25	1.96	20.17	-1.36	5.89	4.53	-17.84	2.00	20.16	-1.14	4.32	3.18
6185	0	61	0.00	-17.15	2.00	20.17	-1.36	5.01	3.65	-18.94	2.00	20.16	-1.14	3.23	2.09
	0	64	0.00	-16.43	2.00	20.17	-1.36	5.73	4.37	-18.47	2.00	20.16	-1.14	3.70	2.56
	1	64	0.00	-16.31	2.00	20.17	-1.36	5.85	4.49	-18.33	2.00	20.16	-1.14	3.84	2.70
6345	0	61	0.00	-16.86	2.03	20.16	-1.36	5.33	3.97	-17.71	2.01	20.16	-1.14	4.46	3.32
	0	64	0.00	-16.30	2.03	20.16	-1.36	5.89	4.53	-17.52	2.01	20.16	-1.14	4.65	3.51
	1	64	0.00	-16.38	2.03	20.16	-1.36	5.81	4.45	-17.67	2.01	20.16	-1.14	4.50	3.36
6505	0	61	0.00	-15.84	2.09	20.15	-1.36	6.40	5.04	-18.25	2.03	20.16	-1.14	3.95	2.81
	0	64	0.00	-15.87	2.09	20.15	-1.36	6.37	5.01	-18.35	2.03	20.16	-1.14	3.85	2.71
	1	64	0.00	-16.56	2.09	20.15	-1.36	5.68	4.32	-19.15	2.03	20.16	-1.14	3.05	1.91
6665	0	61	0.00	-16.48	2.16	20.15	-1.36	5.84	4.48	-18.47	2.10	20.16	-1.14	3.79	2.65
	0	64	0.00	-16.74	2.16	20.15	-1.36	5.58	4.22	-18.74	2.10	20.16	-1.14	3.52	2.38
	1	64	0.00	-17.69	2.16	20.15	-1.36	4.63	3.27	-19.72	2.10	20.16	-1.14	2.54	1.40
6825	0	61	0.00	-16.14	2.20	20.15	-1.36	6.21	4.85	-18.38	2.11	20.16	-1.14	3.89	2.75
	0	64	0.00	-16.41	2.20	20.15	-1.36	5.94	4.58	-18.61	2.11	20.16	-1.14	3.66	2.52
	1	64	0.00	-17.42	2.20	20.15	-1.36	4.93	3.57	-19.34	2.11	20.16	-1.14	2.93	1.79
6985	0	61	0.00	-16.23	2.26	20.15	-1.36	6.18	4.82	-18.20	2.14	20.16	-1.14	4.10	2.96
	0	64	0.00	-16.71	2.26	20.15	-1.36	5.70	4.34	-18.39	2.14	20.16	-1.14	3.91	2.77
	1	64	0.00	-17.82	2.26	20.15	-1.36	4.59	3.23	-19.20	2.14	20.16	-1.14	3.10	1.96

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 12, 2024
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 484-tone RU (CDD)

[High Power mode / Standard Power mode]

11ax-160 (OFDMA)(CDD) 484-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
6025	0	65	6.26	5.74	12.00	10.79	-	-	4.82	4.41	9.23	9.65	24.00	14.35
	0	66	6.71	6.15	12.86	11.09	-	-	5.16	4.73	9.89	9.95	24.00	14.05
	1	66	7.32	6.51	13.84	11.41	-	-	5.63	5.01	10.64	10.27	24.00	13.73
6185	0	65	6.25	5.58	11.82	10.73	-	-	4.80	4.29	9.09	9.59	24.00	14.41
	0	66	6.77	5.95	12.72	11.04	-	-	5.21	4.57	9.78	9.90	24.00	14.10
	1	66	7.42	5.99	13.41	11.28	-	-	5.71	4.61	10.32	10.14	24.00	13.86
6345	0	65	6.65	6.56	13.21	11.21	-	-	5.11	5.05	10.16	10.07	24.00	13.93
	0	66	7.09	6.56	13.65	11.35	-	-	5.45	5.05	10.50	10.21	24.00	13.79
	1	66	6.94	6.08	13.03	11.15	-	-	5.34	4.68	10.02	10.01	24.00	13.99
6505	0	65	7.65	6.16	13.81	11.40	-	-	5.88	4.74	10.62	10.26	24.00	13.74
	0	66	7.67	5.89	13.56	11.32	-	-	5.90	4.53	10.43	10.18	24.00	13.82
	1	66	6.54	4.85	11.39	10.56	-	-	5.03	3.73	8.76	9.42	24.00	14.58
6665	0	65	7.03	5.97	13.00	11.14	-	-	5.41	4.59	10.00	10.00	24.00	14.00
	0	66	6.64	5.64	12.28	10.89	-	-	5.11	4.34	9.44	9.75	24.00	14.25
	1	66	5.73	4.64	10.36	10.16	-	-	4.41	3.57	7.97	9.02	24.00	14.98
6825	0	65	7.60	5.64	13.25	11.22	-	-	5.85	4.34	10.19	10.08	24.00	13.92
	0	66	7.33	5.21	12.54	10.98	-	-	5.64	4.00	9.64	9.84	24.00	14.16
	1	66	5.66	4.31	9.97	9.99	-	-	4.36	3.32	7.67	8.85	24.00	15.15
6985	0	65	7.13	5.33	12.46	10.96	-	-	5.48	4.10	9.59	9.82	24.00	14.18
	0	66	6.67	4.96	11.62	10.65	-	-	5.13	3.81	8.94	9.51	24.00	14.49
	1	66	5.19	3.95	9.13	9.61	-	-	3.99	3.03	7.03	8.47	24.00	15.53

				5G_CH0						5G_CH1					
Tested Frequency	Segment	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result	
[MHz]			[dB]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]		[dB]	[dB]		Cond. Power [dBm]	e.i.r.p. [dBm]
6025	0	65	0.00	-14.17	1.97	20.17	-1.14	7.97	6.83	-14.56	1.99	20.16	-1.14	7.59	6.45
	0	66	0.00	-13.87	1.97	20.17	-1.14	8.27	7.13	-14.26	1.99	20.16	-1.14	7.89	6.75
	1	66	0.00	-13.49	1.97	20.17	-1.14	8.65	7.51	-14.01	1.99	20.16	-1.14	8.14	7.00
6185	0	65	0.00	-14.21	2.00	20.17	-1.14	7.96	6.82	-14.69	1.99	20.16	-1.14	7.46	6.32
	0	66	0.00	-13.86	2.00	20.17	-1.14	8.31	7.17	-14.41	1.99	20.16	-1.14	7.74	6.60
	1	66	0.00	-13.46	2.00	20.17	-1.14	8.71	7.57	-14.38	1.99	20.16	-1.14	7.77	6.63
6345	0	65	0.00	-13.97	2.04	20.16	-1.14	8.23	7.09	-13.99	2.00	20.16	-1.14	8.17	7.03
	0	66	0.00	-13.69	2.04	20.16	-1.14	8.51	7.37	-13.99	2.00	20.16	-1.14	8.17	7.03
	1	66	0.00	-13.78	2.04	20.16	-1.14	8.42	7.28	-14.32	2.00	20.16	-1.14	7.84	6.70
6505	0	65	0.00	-13.41	2.09	20.15	-1.14	8.84	7.70	-14.29	2.02	20.16	-1.14	7.89	6.75
	0	66	0.00	-13.40	2.09	20.15	-1.14	8.85	7.71	-14.48	2.02	20.16	-1.14	7.70	6.56
	1	66	0.00	-14.09	2.09	20.15	-1.14	8.16	7.02	-15.33	2.02	20.16	-1.14	6.85	5.71
6665	0	65	0.00	-13.85	2.17	20.15	-1.14	8.47	7.33	-14.49	2.09	20.16	-1.14	7.76	6.62
	0	66	0.00	-14.10	2.17	20.15	-1.14	8.22	7.08	-14.74	2.09	20.16	-1.14	7.51	6.37
	1	66	0.00	-14.74	2.17	20.15	-1.14	7.58	6.44	-15.59	2.09	20.16	-1.14	6.66	5.52
6825	0	65	0.00	-13.54	2.20	20.15	-1.14	8.81	7.67	-14.74	2.10	20.16	-1.14	7.52	6.38
	0	66	0.00	-13.70	2.20	20.15	-1.14	8.65	7.51	-15.09	2.10	20.16	-1.14	7.17	6.03
	1	66	0.00	-14.82	2.20	20.15	-1.14	7.53	6.39	-15.91	2.10	20.16	-1.14	6.35	5.21
6985	0	65	0.00	-13.88	2.26	20.15	-1.14	8.53	7.39	-15.02	2.13	20.16	-1.14	7.27	6.13
	0	66	0.00	-14.17	2.26	20.15	-1.14	8.24	7.10	-15.34	2.13	20.16	-1.14	6.95	5.81
	1	66	0.00	-15.26	2.26	20.15	-1.14	7.15	6.01	-16.33	2.13	20.16	-1.14	5.96	4.82

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 12, 2024
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 484-tone RU (SDM)

[High Power mode / Standard Power mode]

11ax-160 (OFDMA)(SDM) 484-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
6025	0	65	5.43	5.73	11.15	10.47	-	-	3.97	4.40	8.37	9.23	24.00	14.77
	0	66	6.04	6.15	12.18	10.86	-	-	4.41	4.73	9.14	9.61	24.00	14.39
	1	66	6.41	6.59	13.00	11.14	-	-	4.68	5.07	9.75	9.89	24.00	14.11
6185	0	65	5.74	5.64	11.38	10.56	-	-	4.19	4.34	8.53	9.31	24.00	14.69
	0	66	6.26	5.99	12.25	10.88	-	-	4.58	4.61	9.18	9.63	24.00	14.37
	1	66	6.62	6.09	12.70	11.04	-	-	4.84	4.68	9.52	9.79	24.00	14.21
6345	0	65	5.95	6.44	12.39	10.93	-	-	4.35	4.95	9.31	9.69	24.00	14.31
	0	66	6.32	6.58	12.89	11.10	-	-	4.62	5.06	9.68	9.86	24.00	14.14
	1	66	6.68	6.15	12.83	11.08	-	-	4.88	4.73	9.61	9.83	24.00	14.17
6505	0	65	6.88	5.99	12.87	11.10	-	-	5.03	4.61	9.64	9.84	24.00	14.16
	0	66	6.87	5.84	12.71	11.04	-	-	5.02	4.49	9.51	9.78	24.00	14.22
	1	66	6.29	4.82	11.11	10.46	-	-	4.60	3.71	8.31	9.20	24.00	14.80
6665	0	65	7.03	5.93	12.96	11.13	-	-	5.14	4.56	9.70	9.87	24.00	14.13
	0	66	6.72	5.76	12.47	10.96	-	-	4.91	4.43	9.34	9.70	24.00	14.30
	1	66	6.78	5.86	12.64	11.02	-	-	4.96	4.51	9.46	9.76	24.00	14.24
6825	0	65	7.50	5.53	13.03	11.15	-	-	5.48	4.25	9.74	9.88	24.00	14.12
	0	66	7.16	5.34	12.50	10.97	-	-	5.24	4.11	9.34	9.71	24.00	14.29
	1	66	5.60	4.36	9.96	9.98	-	-	4.09	3.35	7.45	8.72	24.00	15.28
6985	0	65	7.89	5.81	13.70	11.37	-	-	5.77	4.47	10.24	10.10	24.00	13.90
	0	66	7.80	5.64	13.44	11.28	-	-	5.70	4.34	10.04	10.02	24.00	13.98
	1	66	6.05	4.57	10.63	10.26	-	-	4.43	3.52	7.94	9.00	24.00	15.00

				5G_CH0						5G_CH1					
Tested Frequency	Segment	RU Index	Duty Factor *1)	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]
6025	0	65	0.00	-14.79	1.97	20.17	-1.36	7.35	5.99	-14.57	1.99	20.16	-1.14	7.58	6.44
	0	66	0.00	-14.33	1.97	20.17	-1.36	7.81	6.45	-14.26	1.99	20.16	-1.14	7.89	6.75
	1	66	0.00	-14.07	1.97	20.17	-1.36	8.07	6.71	-13.96	1.99	20.16	-1.14	8.19	7.05
6185	0	65	0.00	-14.58	2.00	20.17	-1.36	7.59	6.23	-14.64	1.99	20.16	-1.14	7.51	6.37
	0	66	0.00	-14.20	2.00	20.17	-1.36	7.97	6.61	-14.38	1.99	20.16	-1.14	7.77	6.63
	1	66	0.00	-13.96	2.00	20.17	-1.36	8.21	6.85	-14.31	1.99	20.16	-1.14	7.84	6.70
6345	0	65	0.00	-14.45	2.04	20.16	-1.36	7.75	6.39	-14.07	2.00	20.16	-1.14	8.09	6.95
	0	66	0.00	-14.19	2.04	20.16	-1.36	8.01	6.65	-13.98	2.00	20.16	-1.14	8.18	7.04
	1	66	0.00	-13.95	2.04	20.16	-1.36	8.25	6.89	-14.27	2.00	20.16	-1.14	7.89	6.75
6505	0	65	0.00	-13.87	2.09	20.15	-1.36	8.38	7.02	-14.41	2.02	20.16	-1.14	7.77	6.63
	0	66	0.00	-13.88	2.09	20.15	-1.36	8.37	7.01	-14.52	2.02	20.16	-1.14	7.66	6.52
	1	66	0.00	-14.26	2.09	20.15	-1.36	7.99	6.63	-15.35	2.02	20.16	-1.14	6.83	5.69
6665	0	65	0.00	-13.85	2.17	20.15	-1.36	8.47	7.11	-14.52	2.09	20.16	-1.14	7.73	6.59
	0	66	0.00	-14.05	2.17	20.15	-1.36	8.27	6.91	-14.65	2.09	20.16	-1.14	7.60	6.46
	1	66	0.00	-14.01	2.17	20.15	-1.36	8.31	6.95	-14.57	2.09	20.16	-1.14	7.68	6.54
6825	0	65	0.00	-13.60	2.20	20.15	-1.36	8.75	7.39	-14.83	2.10	20.16	-1.14	7.43	6.29
	0	66	0.00	-13.80	2.20	20.15	-1.36	8.55	7.19	-14.98	2.10	20.16	-1.14	7.28	6.14
	1	66	0.00	-14.87	2.20	20.15	-1.36	7.48	6.12	-15.86	2.10	20.16	-1.14	6.40	5.26
6985	0	65	0.00	-13.44	2.26	20.15	-1.36	8.97	7.61	-14.65	2.13	20.16	-1.14	7.64	6.50
	0	66	0.00	-13.49	2.26	20.15	-1.36	8.92	7.56	-14.78	2.13	20.16	-1.14	7.51	6.37
	1	66	0.00	-14.59	2.26	20.15	-1.36	7.82	6.46	-15.69	2.13	20.16	-1.14	6.60	5.46

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 12, 2024
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 996-tone RU (CDD)

[High Power mode]

11ax-160 (OFDMA)(CDD) 996-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	0	67	11.77	12.73	24.50	13.89	-	-	9.05	9.79	18.84	12.75	24.00	11.25
	1	67	12.76	14.02	26.78	14.28	-	-	9.81	10.79	20.60	13.14	24.00	10.86
6185	0	67	12.01	11.10	23.12	13.64	-	-	9.24	8.54	17.78	12.50	24.00	11.50
	1	67	13.20	12.14	25.35	14.04	-	-	10.16	9.34	19.50	12.90	24.00	11.10
6345	0	67	12.93	12.73	25.66	14.09	-	-	9.95	9.79	19.74	12.95	24.00	11.05
	1	67	13.36	11.83	25.18	14.01	-	-	10.27	9.10	19.37	12.87	24.00	11.13
6505	0	67	14.11	13.23	27.34	14.37	-	-	10.86	10.17	21.03	13.23	24.00	10.77
	1	67	12.81	11.39	24.20	13.84	-	-	9.85	8.76	18.61	12.70	24.00	11.30
6665	0	67	15.14	12.85	27.99	14.47	-	-	11.64	9.89	21.53	13.33	24.00	10.67
	1	67	12.59	11.04	23.63	13.74	-	-	9.68	8.49	18.18	12.60	24.00	11.40
6825	0	67	15.49	12.01	27.50	14.39	-	-	11.91	9.24	21.15	13.25	24.00	10.75
	1	67	12.74	10.27	23.01	13.62	-	-	9.80	7.90	17.70	12.48	24.00	11.52
6985	0	67	14.79	11.51	26.30	14.20	-	-	11.38	8.85	20.23	13.06	24.00	10.94
	1	67	11.97	9.53	21.50	13.32	-	-	9.21	7.33	16.54	12.18	24.00	11.82

Tested Frequency [MHz]	Segment	RU Index	Duty Factor *1) [dB]	5G_CH0					5G_CH1					Result	
				Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
6025	0	67	0.00	-11.43	1.97	20.17	-1.14	10.71	9.57	-11.10	1.99	20.16	-1.14	11.05	9.91
	1	67	0.00	-11.08	1.97	20.17	-1.14	11.06	9.92	-10.68	1.99	20.16	-1.14	11.47	10.33
6185	0	67	0.00	-11.37	2.00	20.17	-1.14	10.80	9.66	-11.70	1.99	20.16	-1.14	10.45	9.31
	1	67	0.00	-10.96	2.00	20.17	-1.14	11.21	10.07	-11.31	1.99	20.16	-1.14	10.84	9.70
6345	0	67	0.00	-11.08	2.04	20.16	-1.14	11.12	9.98	-11.11	2.00	20.16	-1.14	11.05	9.91
	1	67	0.00	-10.94	2.04	20.16	-1.14	11.26	10.12	-11.43	2.00	20.16	-1.14	10.73	9.59
6505	0	67	0.00	-10.75	2.09	20.15	-1.14	11.50	10.36	-10.97	2.02	20.16	-1.14	11.21	10.07
	1	67	0.00	-11.17	2.09	20.15	-1.14	11.08	9.94	-11.62	2.02	20.16	-1.14	10.56	9.42
6665	0	67	0.00	-10.52	2.17	20.15	-1.14	11.80	10.66	-11.16	2.09	20.16	-1.14	11.09	9.95
	1	67	0.00	-11.32	2.17	20.15	-1.14	11.00	9.86	-11.82	2.09	20.16	-1.14	10.43	9.29
6825	0	67	0.00	-10.45	2.20	20.15	-1.14	11.90	10.76	-11.46	2.10	20.16	-1.14	10.80	9.66
	1	67	0.00	-11.30	2.20	20.15	-1.14	11.05	9.91	-12.14	2.10	20.16	-1.14	10.12	8.98
6985	0	67	0.00	-10.71	2.26	20.15	-1.14	11.70	10.56	-11.68	2.13	20.16	-1.14	10.61	9.47
	1	67	0.00	-11.63	2.26	20.15	-1.14	10.78	9.64	-12.50	2.13	20.16	-1.14	9.79	8.65

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 12, 2024
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 996-tone RU (SDM)

[High Power mode]

11ax-160 (OFDMA)(SDM) 996-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
6025	0	67	10.86	12.33	23.18	13.65	-	-	7.94	9.48	17.42	12.41	24.00	11.59
	1	67	12.13	14.32	26.44	14.22	-	-	8.87	11.01	19.88	12.98	24.00	11.02
6185	0	67	11.53	10.65	22.18	13.46	-	-	8.43	8.19	16.62	12.21	24.00	11.79
	1	67	12.27	11.41	23.68	13.74	-	-	8.97	8.78	17.75	12.49	24.00	11.51
6345	0	67	12.32	12.47	24.79	13.94	-	-	9.01	9.59	18.60	12.70	24.00	11.30
	1	67	12.90	11.51	24.41	13.88	-	-	9.43	8.85	18.28	12.62	24.00	11.38
6505	0	67	14.15	13.72	27.87	14.45	-	-	10.34	10.56	20.90	13.20	24.00	10.80
	1	67	13.45	11.95	25.40	14.05	-	-	9.83	9.19	19.03	12.79	24.00	11.21
6665	0	67	14.39	12.48	26.87	14.29	-	-	10.52	9.60	20.12	13.04	24.00	10.96
	1	67	12.22	10.50	22.72	13.56	-	-	8.94	8.07	17.01	12.31	24.00	11.69
6825	0	67	15.24	11.93	27.17	14.34	-	-	11.15	9.17	20.32	13.08	24.00	10.92
	1	67	12.71	10.08	22.79	13.58	-	-	9.29	7.76	17.05	12.32	24.00	11.68
6985	0	67	14.62	11.17	25.80	14.12	-	-	10.69	8.59	19.28	12.85	24.00	11.15
	1	67	12.14	9.08	21.22	13.27	-	-	8.87	6.98	15.86	12.00	24.00	12.00

Tested Frequency [MHz]	Segment	RU Index	Duty Factor *1) [dB]	5G_CH0					5G_CH1					Result	
				Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
6025	0	67	0.00	-11.78	1.97	20.17	-1.36	10.36	9.00	-11.24	1.99	20.16	-1.14	10.91	9.77
	1	67	0.00	-11.30	1.97	20.17	-1.36	10.84	9.48	-10.59	1.99	20.16	-1.14	11.56	10.42
6185	0	67	0.00	-11.55	2.00	20.17	-1.36	10.62	9.26	-11.88	1.99	20.16	-1.14	10.27	9.13
	1	67	0.00	-11.28	2.00	20.17	-1.36	10.89	9.53	-11.58	1.99	20.16	-1.14	10.57	9.43
6345	0	67	0.00	-11.29	2.04	20.16	-1.36	10.91	9.55	-11.20	2.00	20.16	-1.14	10.96	9.82
	1	67	0.00	-11.09	2.04	20.16	-1.36	11.11	9.75	-11.55	2.00	20.16	-1.14	10.61	9.47
6505	0	67	0.00	-10.74	2.09	20.15	-1.36	11.51	10.15	-10.81	2.02	20.16	-1.14	11.37	10.23
	1	67	0.00	-10.96	2.09	20.15	-1.36	11.29	9.93	-11.41	2.02	20.16	-1.14	10.77	9.63
6665	0	67	0.00	-10.74	2.17	20.15	-1.36	11.58	10.22	-11.29	2.09	20.16	-1.14	10.96	9.82
	1	67	0.00	-11.45	2.17	20.15	-1.36	10.87	9.51	-12.04	2.09	20.16	-1.14	10.21	9.07
6825	0	67	0.00	-10.52	2.20	20.15	-1.36	11.83	10.47	-11.49	2.10	20.16	-1.14	10.77	9.63
	1	67	0.00	-11.31	2.20	20.15	-1.36	11.04	9.68	-12.22	2.10	20.16	-1.14	10.04	8.90
6985	0	67	0.00	-10.76	2.26	20.15	-1.36	11.65	10.29	-11.81	2.13	20.16	-1.14	10.48	9.34
	1	67	0.00	-11.57	2.26	20.15	-1.36	10.84	9.48	-12.71	2.13	20.16	-1.14	9.58	8.44

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 12, 2024
Temperature / Humidity 23 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 996x2-tone RU (CDD)

[High Power mode]

11ax-160 (OFDMA)(CDD) 2x996-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	-	68	12.01	13.61	25.62	14.09	-	-	9.24	10.47	19.71	12.95	24.00	11.05
6185	-	68	12.41	11.41	23.82	13.77	-	-	9.54	8.78	18.32	12.63	24.00	11.37
6345	-	68	12.87	11.48	24.35	13.87	-	-	9.90	8.83	18.73	12.73	24.00	11.27
6505	-	68	13.39	12.09	25.48	14.06	-	-	10.30	9.30	19.59	12.92	24.00	11.08
6665	-	68	14.69	12.71	27.40	14.38	-	-	11.30	9.77	21.07	13.24	24.00	10.76
6825	-	68	15.38	12.38	27.76	14.43	-	-	11.83	9.52	21.35	13.29	24.00	10.71
6985	-	68	14.59	11.54	26.13	14.17	-	-	11.22	8.87	20.10	13.03	24.00	10.97

				5G_CH0						5G_CH1					
Tested		RU	Duty	Power	Cable	Atten.	Directional	Result		Power	Cable	Atten.	Directional	Result	
Frequency	Segment	Index	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
			*1)	Reading				Power		Reading				Power	
[MHz]			[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
6025	-	68	0.00	-11.34	1.97	20.17	-1.14	10.80	9.66	-10.81	1.99	20.16	-1.14	11.34	10.20
6185	-	68	0.00	-11.23	2.00	20.17	-1.14	10.94	9.80	-11.58	1.99	20.16	-1.14	10.57	9.43
6345	-	68	0.00	-11.10	2.04	20.16	-1.14	11.10	9.96	-11.56	2.00	20.16	-1.14	10.60	9.46
6505	-	68	0.00	-10.98	2.09	20.15	-1.14	11.27	10.13	-11.36	2.02	20.16	-1.14	10.82	9.68
6665	-	68	0.00	-10.65	2.17	20.15	-1.14	11.67	10.53	-11.21	2.09	20.16	-1.14	11.04	9.90
6825	-	68	0.00	-10.48	2.20	20.15	-1.14	11.87	10.73	-11.33	2.10	20.16	-1.14	10.93	9.79
6985	-	68	0.00	-10.77	2.26	20.15	-1.14	11.64	10.50	-11.67	2.13	20.16	-1.14	10.62	9.48

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 996x2-tone RU (SDM)

[High Power mode]

11ax-160 (OFDMA)(SDM) 2x996-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	12.90	14.06	26.96	14.31	-	-	9.43	10.81	20.24	13.06	24.00	10.94
6185	13.05	12.63	25.68	14.10	-	-	9.54	9.71	19.26	12.85	24.00	11.15
6345	14.15	13.24	27.39	14.38	-	-	10.34	10.18	20.53	13.12	24.00	10.88
6505	14.24	12.54	26.79	14.28	-	-	10.41	9.65	20.06	13.02	24.00	10.98
6665	14.46	12.28	26.73	14.27	-	-	10.57	9.44	20.01	13.01	24.00	10.99
6825	15.38	11.34	26.72	14.27	-	-	11.25	8.72	19.97	13.00	24.00	11.00
6985	14.76	10.50	25.26	14.02	-	-	10.79	8.07	18.87	12.76	24.00	11.24

		5G_CH0						5G_CH1					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
	*1)	Reading				Power		Reading				Power	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
6025	0.00	-11.03	1.97	20.17	-1.36	11.11	9.75	-10.67	1.99	20.16	-1.14	11.48	10.34
6185	0.00	-11.01	2.00	20.17	-1.36	11.16	9.80	-11.14	1.99	20.16	-1.14	11.01	9.87
6345	0.00	-10.69	2.04	20.16	-1.36	11.51	10.15	-10.94	2.00	20.16	-1.14	11.22	10.08
6505	0.00	-10.71	2.09	20.15	-1.36	11.54	10.18	-11.20	2.02	20.16	-1.14	10.98	9.84
6665	0.00	-10.72	2.17	20.15	-1.36	11.60	10.24	-11.36	2.09	20.16	-1.14	10.89	9.75
6825	0.00	-10.48	2.20	20.15	-1.36	11.87	10.51	-11.71	2.10	20.16	-1.14	10.55	9.41
6985	0.00	-10.72	2.26	20.15	-1.36	11.69	10.33	-12.08	2.13	20.16	-1.14	10.21	9.07

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.2 Measurement Room
Date July 19, 2023
Temperature / Humidity 25 deg. C / 51 % RH
Engineer Ken Fujita
Mode Tx 11ax-80 (OFDM) (CDD)

[Standard Power mode]

11ax-80 (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5985	7.71	6.18	13.90	11.43	-	-	5.93	4.76	10.69	10.29	24.00	13.71
6225	7.00	5.58	12.58	11.00	-	-	5.39	4.29	9.67	9.86	24.00	14.14
6385	7.29	7.24	14.52	11.62	-	-	5.60	5.57	11.17	10.48	24.00	13.52
6465	5.80	5.98	11.78	10.71	-	-	4.46	4.60	9.06	9.57	24.00	14.43
6545	7.89	6.29	14.18	11.52	-	-	6.07	4.84	10.91	10.38	24.00	13.62
6625	7.49	6.20	13.69	11.36	-	-	5.76	4.77	10.53	10.22	24.00	13.78
6705	7.33	5.59	12.92	11.11	-	-	5.64	4.30	9.94	9.97	24.00	14.03
6785	6.94	4.98	11.92	10.76	-	-	5.34	3.83	9.16	9.62	24.00	14.38
6865	6.74	4.84	11.58	10.64	-	-	5.18	3.73	8.91	9.50	24.00	14.50
6945	7.87	5.91	13.78	11.39	-	-	6.05	4.54	10.60	10.25	24.00	13.75
7025	7.31	5.61	12.91	11.11	-	-	5.62	4.31	9.93	9.97	24.00	14.03

		5G_CH0						5G_CH1					
Tested Frequency	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
5985	0.00	-13.24	1.96	20.16	-1.14	8.87	7.73	-14.26	2.00	20.18	-1.14	7.91	6.77
6225	0.00	-13.71	2.01	20.15	-1.14	8.45	7.31	-14.71	2.00	20.17	-1.14	7.46	6.32
6385	0.00	-13.57	2.04	20.15	-1.14	8.63	7.49	-13.58	2.01	20.17	-1.14	8.60	7.46
6465	0.00	-14.60	2.08	20.15	-1.14	7.63	6.49	-14.43	2.03	20.16	-1.14	7.77	6.63
6545	0.00	-13.29	2.11	20.15	-1.14	8.97	7.83	-14.28	2.10	20.16	-1.14	7.99	6.85
6625	0.00	-13.56	2.16	20.15	-1.14	8.75	7.61	-14.34	2.10	20.16	-1.14	7.92	6.78
6705	0.00	-13.67	2.17	20.15	-1.14	8.65	7.51	-14.79	2.10	20.16	-1.14	7.48	6.34
6785	0.00	-13.92	2.19	20.15	-1.14	8.41	7.27	-15.30	2.11	20.16	-1.14	6.97	5.83
6865	0.00	-14.06	2.20	20.14	-1.14	8.29	7.15	-15.42	2.11	20.16	-1.14	6.85	5.71
6945	0.00	-13.43	2.25	20.14	-1.14	8.96	7.82	-14.59	2.14	20.16	-1.14	7.72	6.58
7025	0.00	-13.77	2.27	20.14	-1.14	8.64	7.50	-14.81	2.13	20.16	-1.14	7.49	6.35

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.2 Measurement Room
Date July 24, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-80 (OFDM) (SDM)

[Standard Power mode]

11ax-80 (SDM)

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
5985	7.82	6.28	14.10	11.49	-	-	5.72	4.83	10.55	10.23	24.00	13.77
6225	6.78	5.45	12.23	10.87	-	-	4.96	4.19	9.15	9.61	24.00	14.39
6385	7.42	7.12	14.54	11.63	-	-	5.43	5.48	10.90	10.38	24.00	13.62
6465	5.85	6.05	11.90	10.76	-	-	4.28	4.65	8.93	9.51	24.00	14.49
6545	7.54	6.38	13.91	11.43	-	-	5.51	4.90	10.41	10.18	24.00	13.82
6625	7.70	6.30	14.00	11.46	-	-	5.63	4.84	10.48	10.20	24.00	13.80
6705	7.31	5.70	13.01	11.14	-	-	5.35	4.38	9.73	9.88	24.00	14.12
6785	6.99	5.05	12.03	10.80	-	-	5.11	3.88	8.99	9.54	24.00	14.46
6865	6.83	4.88	11.71	10.69	-	-	5.00	3.75	8.75	9.42	24.00	14.58
6945	7.93	5.96	13.89	11.43	-	-	5.80	4.59	10.38	10.16	24.00	13.84
7025	7.43	5.63	13.06	11.16	-	-	5.43	4.33	9.76	9.90	24.00	14.10

Tested Frequency [MHz]	Duty Factor *1) [dB]	5G_CH0					5G_CH1					Result		
		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Cond. Power [dBm]	e.i.r.p. [dBm]	e.i.r.p. [dBm]
		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dBm]
5985	0.00	-13.18	1.96	20.16	-1.36	8.93	7.57	-14.19	2.00	20.18	-1.14	7.98	6.84	6.84
6225	0.00	-13.85	2.01	20.15	-1.36	8.31	6.95	-14.81	2.00	20.17	-1.14	7.36	6.22	6.22
6385	0.00	-13.49	2.04	20.15	-1.36	8.71	7.35	-13.65	2.01	20.17	-1.14	8.53	7.39	7.39
6465	0.00	-14.56	2.08	20.15	-1.36	7.67	6.31	-14.38	2.03	20.16	-1.14	7.82	6.68	6.68
6545	0.00	-13.49	2.11	20.15	-1.36	8.77	7.41	-14.22	2.10	20.16	-1.14	8.05	6.91	6.91
6625	0.00	-13.44	2.16	20.15	-1.36	8.87	7.51	-14.27	2.10	20.16	-1.14	7.99	6.85	6.85
6705	0.00	-13.68	2.17	20.15	-1.36	8.64	7.28	-14.71	2.10	20.16	-1.14	7.56	6.42	6.42
6785	0.00	-13.89	2.19	20.15	-1.36	8.44	7.08	-15.24	2.11	20.16	-1.14	7.03	5.89	5.89
6865	0.00	-14.00	2.20	20.14	-1.36	8.35	6.99	-15.39	2.11	20.16	-1.14	6.88	5.74	5.74
6945	0.00	-13.40	2.25	20.14	-1.36	8.99	7.63	-14.55	2.14	20.16	-1.14	7.76	6.62	6.62
7025	0.00	-13.70	2.27	20.14	-1.36	8.71	7.35	-14.79	2.13	20.16	-1.14	7.51	6.37	6.37

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 15, 2024
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80 (OFDMA) 996-tone RU (CDD)

[Standard Power mode]

11ax-80 (OFDMA)(CDD) 996-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power							e.i.r.p.						
		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				
5985	67	6.96	6.39	13.36	11.26	-	-		5.36	4.92	10.27	10.12	24.00	13.88	
6225	67	6.94	5.84	12.78	11.07	-	-		5.34	4.49	9.83	9.93	24.00	14.07	
6385	67	7.59	7.47	15.06	11.78	-	-		5.84	5.74	11.58	10.64	24.00	13.36	
6465	67	7.57	7.88	15.44	11.89	-	-		5.82	6.06	11.88	10.75	24.00	13.25	
6545	67	8.26	6.60	14.85	11.72	-	-		6.35	5.07	11.42	10.58	24.00	13.42	
6625	67	7.57	6.61	14.18	11.52	-	-		5.83	5.08	10.91	10.38	24.00	13.62	
6705	67	6.82	5.74	12.56	10.99	-	-		5.25	4.42	9.66	9.85	24.00	14.15	
6785	67	6.92	5.06	11.99	10.79	-	-		5.33	3.89	9.22	9.65	24.00	14.35	
6865	67	6.95	4.88	11.83	10.73	-	-		5.34	3.76	9.10	9.59	24.00	14.41	
6945	67	8.42	6.07	14.49	11.61	-	-		6.48	4.67	11.14	10.47	24.00	13.53	
7025	67	7.87	5.56	13.43	11.28	-	-		6.05	4.28	10.33	10.14	24.00	13.86	

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]
5985	67	0.00	-13.70	1.96	20.17	-1.14	8.43	7.29	-14.09	1.98	20.16	-1.14	8.06	6.92
6225	67	0.00	-13.76	2.01	20.16	-1.14	8.41	7.27	-14.49	1.99	20.16	-1.14	7.67	6.53
6385	67	0.00	-13.40	2.05	20.16	-1.14	8.80	7.66	-13.43	2.00	20.16	-1.14	8.73	7.59
6465	67	0.00	-13.45	2.08	20.16	-1.14	8.79	7.65	-13.22	2.02	20.16	-1.14	8.96	7.82
6545	67	0.00	-13.10	2.11	20.15	-1.14	9.17	8.03	-14.06	2.09	20.16	-1.14	8.19	7.05
6625	67	0.00	-13.52	2.16	20.15	-1.14	8.79	7.65	-14.05	2.09	20.16	-1.14	8.20	7.06
6705	67	0.00	-13.99	2.18	20.15	-1.14	8.34	7.20	-14.66	2.09	20.16	-1.14	7.59	6.45
6785	67	0.00	-13.94	2.19	20.15	-1.14	8.40	7.26	-15.21	2.10	20.16	-1.14	7.04	5.90
6865	67	0.00	-13.94	2.21	20.15	-1.14	8.42	7.28	-15.37	2.10	20.16	-1.14	6.89	5.75
6945	67	0.00	-13.15	2.25	20.15	-1.14	9.25	8.11	-14.46	2.13	20.16	-1.14	7.83	6.69
7025	67	0.00	-13.46	2.27	20.15	-1.14	8.96	7.82	-14.83	2.13	20.16	-1.14	7.45	6.31

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 996-tone RU (SDM)

[Standard Power mode]

11ax-80 (OFDMA)(SDM) 996-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested	RU	Conducted power							e.i.r.p.					
Frequency	Index	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin	
[MHz]		5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	
5985	67	7.28	6.33	13.61	11.34	-	-	5.32	4.87	10.19	10.08	24.00	13.92	
6225	67	6.93	5.73	12.66	11.02	-	-	5.06	4.41	9.47	9.77	24.00	14.23	
6385	67	7.90	7.10	14.99	11.76	-	-	5.77	5.46	11.23	10.50	24.00	13.50	
6465	67	7.74	7.80	15.55	11.92	-	-	5.66	6.00	11.66	10.67	24.00	13.33	
6545	67	8.35	6.51	14.86	11.72	-	-	6.11	5.00	11.11	10.46	24.00	13.54	
6625	67	7.77	6.49	14.25	11.54	-	-	5.68	4.99	10.67	10.28	24.00	13.72	
6705	67	7.19	5.61	12.80	11.07	-	-	5.26	4.32	9.58	9.81	24.00	14.19	
6785	67	7.18	4.95	12.13	10.84	-	-	5.25	3.81	9.06	9.57	24.00	14.43	
6865	67	6.90	4.95	11.85	10.74	-	-	5.04	3.81	8.85	9.47	24.00	14.53	
6945	67	8.68	5.68	14.35	11.57	-	-	6.34	4.37	10.71	10.30	24.00	13.70	
7025	67	6.15	4.17	10.32	10.14	-	-	4.50	3.21	7.71	8.87	24.00	15.13	

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor *1)	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]
5985	67	0.00	-13.51	1.96	20.17	-1.36	8.62	7.26	-14.13	1.98	20.16	-1.14	8.02	6.88
6225	67	0.00	-13.77	2.01	20.16	-1.36	8.40	7.04	-14.57	1.99	20.16	-1.14	7.59	6.45
6385	67	0.00	-13.23	2.05	20.16	-1.36	8.97	7.61	-13.65	2.00	20.16	-1.14	8.51	7.37
6465	67	0.00	-13.35	2.08	20.16	-1.36	8.89	7.53	-13.26	2.02	20.16	-1.14	8.92	7.78
6545	67	0.00	-13.05	2.11	20.15	-1.36	9.22	7.86	-14.12	2.09	20.16	-1.14	8.13	6.99
6625	67	0.00	-13.41	2.16	20.15	-1.36	8.90	7.54	-14.13	2.09	20.16	-1.14	8.12	6.98
6705	67	0.00	-13.76	2.18	20.15	-1.36	8.57	7.21	-14.76	2.09	20.16	-1.14	7.49	6.35
6785	67	0.00	-13.78	2.19	20.15	-1.36	8.56	7.20	-15.31	2.10	20.16	-1.14	6.94	5.80
6865	67	0.00	-13.97	2.21	20.15	-1.36	8.39	7.03	-15.31	2.10	20.16	-1.14	6.95	5.81
6945	67	0.00	-13.02	2.25	20.15	-1.36	9.38	8.02	-14.75	2.13	20.16	-1.14	7.54	6.40
7025	67	0.00	-14.53	2.27	20.15	-1.36	7.89	6.53	-16.08	2.13	20.16	-1.14	6.20	5.06

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.2 Measurement Room
Date August 21, 2023
Temperature / Humidity 26 deg. C / 47 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-160 (OFDM) (CDD)

[Standard Power mode]

11ax-160 (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	6.65	5.84	12.49	10.97	-	-	5.12	4.49	9.61	9.83	24.00	14.17
6185	7.22	5.53	12.74	11.05	-	-	5.55	4.25	9.80	9.91	24.00	14.09
6345	6.80	5.99	12.79	11.07	-	-	5.23	4.61	9.84	9.93	24.00	14.07
6505	7.87	5.87	13.74	11.38	-	-	6.05	4.51	10.57	10.24	24.00	13.76
6665	7.30	5.93	13.23	11.22	-	-	5.61	4.56	10.18	10.08	24.00	13.92
6825	7.35	5.28	12.63	11.01	-	-	5.65	4.06	9.71	9.87	24.00	14.13
6985	7.58	5.90	13.48	11.30	-	-	5.83	4.54	10.37	10.16	24.00	13.84

5G_CH0								5G_CH1						
Tested Frequency	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]	
6025	0.00	-13.89	1.96	20.16	-1.14	8.23	7.09	-14.51	2.00	20.17	-1.14	7.66	6.52	
6185	0.00	-13.57	2.00	20.15	-1.14	8.58	7.44	-14.75	2.00	20.17	-1.14	7.42	6.28	
6345	0.00	-13.86	2.03	20.15	-1.14	8.33	7.19	-14.40	2.01	20.17	-1.14	7.78	6.64	
6505	0.00	-13.28	2.09	20.15	-1.14	8.96	7.82	-14.51	2.03	20.16	-1.14	7.69	6.55	
6665	0.00	-13.68	2.16	20.15	-1.14	8.63	7.49	-14.53	2.10	20.16	-1.14	7.73	6.59	
6825	0.00	-13.68	2.20	20.14	-1.14	8.66	7.52	-15.04	2.11	20.16	-1.14	7.23	6.09	
6985	0.00	-13.60	2.26	20.14	-1.14	8.80	7.66	-14.60	2.14	20.16	-1.14	7.71	6.57	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.2 Measurement Room
Date August 21, 2023
Temperature / Humidity 25 deg. C / 47 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-160 (OFDM) (SDM)

[Standard Power mode]

11ax-160 (SDM) 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	5G_CH0 [mW]	Antenna 5G_CH1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
6025	7.67	6.58	14.25	11.54	-	-	5.61	5.06	10.67	10.28	24.00	13.72
6185	7.72	6.13	13.84	11.41	-	-	5.64	4.71	10.36	10.15	24.00	13.85
6345	7.31	7.07	14.38	11.58	-	-	5.34	5.44	10.78	10.33	24.00	13.67
6505	7.64	5.78	13.42	11.28	-	-	5.59	4.44	10.03	10.01	24.00	13.99
6665	7.17	5.81	12.98	11.13	-	-	5.24	4.47	9.71	9.87	24.00	14.13
6825	7.28	5.24	12.51	10.97	-	-	5.32	4.03	9.35	9.71	24.00	14.29
6985	7.41	5.80	13.21	11.21	-	-	5.42	4.46	9.88	9.95	24.00	14.05

5G_CH0						5G_CH1							
Tested Frequency	Duty Factor *1)	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]
6025	0.00	-13.27	1.96	20.16	-1.36	8.85	7.49	-13.99	2.00	20.17	-1.14	8.18	7.04
6185	0.00	-13.28	2.00	20.15	-1.36	8.87	7.51	-14.30	2.00	20.17	-1.14	7.87	6.73
6345	0.00	-13.55	2.03	20.15	-1.36	8.64	7.28	-13.68	2.01	20.17	-1.14	8.50	7.36
6505	0.00	-13.41	2.09	20.15	-1.36	8.83	7.47	-14.58	2.03	20.16	-1.14	7.62	6.48
6665	0.00	-13.76	2.16	20.15	-1.36	8.55	7.19	-14.62	2.10	20.16	-1.14	7.64	6.50
6825	0.00	-13.72	2.20	20.14	-1.36	8.62	7.26	-15.08	2.11	20.16	-1.14	7.19	6.05
6985	0.00	-13.70	2.26	20.14	-1.36	8.70	7.34	-14.67	2.14	20.16	-1.14	7.64	6.50

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 996-tone RU (CDD)

[Standard Power mode]

11ax-160 (OFDMA)(CDD) 996-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	0	67	7.09	7.03	14.12	11.50	-	-	5.45	5.41	10.86	10.36	24.00	13.64
	1	67	6.99	6.92	13.91	11.43	-	-	5.38	5.32	10.70	10.29	24.00	13.71
6185	0	67	7.09	6.23	13.32	11.24	-	-	5.45	4.79	10.24	10.10	24.00	13.90
	1	67	8.29	6.61	14.91	11.73	-	-	6.38	5.09	11.46	10.59	24.00	13.41
6345	0	67	7.46	6.73	14.19	11.52	-	-	5.74	5.18	10.91	10.38	24.00	13.62
	1	67	8.01	6.53	14.54	11.63	-	-	6.16	5.02	11.18	10.49	24.00	13.51
6505	0	67	8.35	6.52	14.87	11.72	-	-	6.42	5.02	11.44	10.58	24.00	13.42
	1	67	8.08	5.71	13.79	11.40	-	-	6.22	4.39	10.61	10.26	24.00	13.74
6665	0	67	7.54	6.31	13.85	11.41	-	-	5.80	4.85	10.65	10.27	24.00	13.73
	1	67	6.44	5.12	11.56	10.63	-	-	4.96	3.94	8.89	9.49	24.00	14.51
6825	0	67	7.69	5.71	13.40	11.27	-	-	5.92	4.39	10.31	10.13	24.00	13.87
	1	67	6.47	4.92	11.39	10.56	-	-	4.98	3.78	8.76	9.42	24.00	14.58
6985	0	67	9.02	6.30	15.31	11.85	-	-	6.94	4.84	11.78	10.71	24.00	13.29
	1	67	7.41	5.19	12.60	11.00	-	-	5.70	3.99	9.69	9.86	24.00	14.14

			5G_CH0							5G_CH1						
Tested Frequency	Segment	RU Index	Duty Factor *1)	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional 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]	
6025	0	67	0.00	-13.63	1.97	20.17	-1.14	8.51	7.37	-13.68	1.99	20.16	-1.14	8.47	7.33	
	1	67	0.00	-13.69	1.97	20.17	-1.14	8.45	7.31	-13.75	1.99	20.16	-1.14	8.40	7.26	
6185	0	67	0.00	-13.66	2.00	20.17	-1.14	8.51	7.37	-14.21	1.99	20.16	-1.14	7.94	6.80	
	1	67	0.00	-12.98	2.00	20.17	-1.14	9.19	8.05	-13.95	1.99	20.16	-1.14	8.20	7.06	
6345	0	67	0.00	-13.47	2.04	20.16	-1.14	8.73	7.59	-13.88	2.00	20.16	-1.14	8.28	7.14	
	1	67	0.00	-13.16	2.04	20.16	-1.14	9.04	7.90	-14.01	2.00	20.16	-1.14	8.15	7.01	
6505	0	67	0.00	-13.03	2.09	20.15	-1.14	9.22	8.08	-14.04	2.02	20.16	-1.14	8.14	7.00	
	1	67	0.00	-13.17	2.09	20.15	-1.14	9.08	7.94	-14.62	2.02	20.16	-1.14	7.56	6.42	
6665	0	67	0.00	-13.55	2.17	20.15	-1.14	8.77	7.63	-14.25	2.09	20.16	-1.14	8.00	6.86	
	1	67	0.00	-14.23	2.17	20.15	-1.14	8.09	6.95	-15.16	2.09	20.16	-1.14	7.09	5.95	
6825	0	67	0.00	-13.49	2.20	20.15	-1.14	8.86	7.72	-14.69	2.10	20.16	-1.14	7.57	6.43	
	1	67	0.00	-14.24	2.20	20.15	-1.14	8.11	6.97	-15.34	2.10	20.16	-1.14	6.92	5.78	
6985	0	67	0.00	-12.86	2.26	20.15	-1.14	9.55	8.41	-14.30	2.13	20.16	-1.14	7.99	6.85	
	1	67	0.00	-13.71	2.26	20.15	-1.14	8.70	7.56	-15.14	2.13	20.16	-1.14	7.15	6.01	

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) <= 4 (N(ANT)=2)

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 996-tone RU (SDM)

[Standard Power mode]

11ax-160 (OFDMA)(SDM) 996-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	0	67	7.32	6.68	14.00	11.46	-	-	5.35	5.14	10.49	10.21	24.00	13.79
	1	67	7.70	7.46	15.17	11.81	-	-	5.63	5.74	11.37	10.56	24.00	13.44
6185	0	67	7.39	6.19	13.58	11.33	-	-	5.40	4.76	10.16	10.07	24.00	13.93
	1	67	7.88	6.34	14.23	11.53	-	-	5.76	4.88	10.64	10.27	24.00	13.73
6345	0	67	7.56	6.95	14.51	11.62	-	-	5.53	5.34	10.87	10.36	24.00	13.64
	1	67	7.83	6.56	14.39	11.58	-	-	5.72	5.05	10.77	10.32	24.00	13.68
6505	0	67	8.66	6.40	15.07	11.78	-	-	6.33	4.93	11.26	10.52	24.00	13.48
	1	67	7.77	5.60	13.38	11.26	-	-	5.68	4.31	9.99	10.00	24.00	14.00
6665	0	67	8.47	7.02	15.49	11.90	-	-	6.20	5.40	11.59	10.64	24.00	13.36
	1	67	7.11	5.82	12.94	11.12	-	-	5.20	4.48	9.68	9.86	24.00	14.14
6825	0	67	8.89	6.57	15.46	11.89	-	-	6.50	5.05	11.56	10.63	24.00	13.37
	1	67	7.33	5.50	12.83	11.08	-	-	5.36	4.23	9.59	9.82	24.00	14.18
6985	0	67	8.98	6.15	15.13	11.80	-	-	6.56	4.73	11.30	10.53	24.00	13.47
	1	67	7.28	5.24	12.52	10.97	-	-	5.32	4.03	9.35	9.71	24.00	14.29

			5G_CH0							5G_CH1					
Tested Frequency	Segment	RU Index	Duty Factor *1)	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]
6025	0	67	0.00	-13.49	1.97	20.17	-1.36	8.65	7.29	-13.90	1.99	20.16	-1.14	8.25	7.11
	1	67	0.00	-13.27	1.97	20.17	-1.36	8.87	7.51	-13.42	1.99	20.16	-1.14	8.73	7.59
6185	0	67	0.00	-13.48	2.00	20.17	-1.36	8.69	7.33	-14.24	1.99	20.16	-1.14	7.91	6.77
	1	67	0.00	-13.20	2.00	20.17	-1.36	8.97	7.61	-14.13	1.99	20.16	-1.14	8.02	6.88
6345	0	67	0.00	-13.41	2.04	20.16	-1.36	8.79	7.43	-13.74	2.00	20.16	-1.14	8.42	7.28
	1	67	0.00	-13.26	2.04	20.16	-1.36	8.94	7.58	-13.99	2.00	20.16	-1.14	8.17	7.03
6505	0	67	0.00	-12.87	2.09	20.15	-1.36	9.38	8.02	-14.12	2.02	20.16	-1.14	8.06	6.92
	1	67	0.00	-13.34	2.09	20.15	-1.36	8.91	7.55	-14.70	2.02	20.16	-1.14	7.48	6.34
6665	0	67	0.00	-13.04	2.17	20.15	-1.36	9.28	7.92	-13.79	2.09	20.16	-1.14	8.46	7.32
	1	67	0.00	-13.80	2.17	20.15	-1.36	8.52	7.16	-14.60	2.09	20.16	-1.14	7.65	6.51
6825	0	67	0.00	-12.86	2.20	20.15	-1.36	9.49	8.13	-14.08	2.10	20.16	-1.14	8.18	7.04
	1	67	0.00	-13.70	2.20	20.15	-1.36	8.65	7.29	-14.85	2.10	20.16	-1.14	7.41	6.27
6985	0	67	0.00	-12.88	2.26	20.15	-1.36	9.53	8.17	-14.40	2.13	20.16	-1.14	7.89	6.75
	1	67	0.00	-13.79	2.26	20.15	-1.36	8.62	7.26	-15.10	2.13	20.16	-1.14	7.19	6.05

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function.

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 996x2-tone RU (CDD)

[Standard Power mode]

11ax-160 (OFDMA)(CDD) 2x996-tone RU
5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Segment	RU Index	Conducted power							e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]					5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	-	68	7.44	6.35	13.79	11.40	-	-	-	5.72	4.88	10.61	10.26	24.00	13.74
6185	-	68	7.65	6.32	13.97	11.45	-	-	-	5.88	4.86	10.74	10.31	24.00	13.69
6345	-	68	7.63	6.81	14.44	11.60	-	-	-	5.87	5.24	11.11	10.46	24.00	13.54
6505	-	68	8.76	6.43	15.20	11.82	-	-	-	6.74	4.95	11.69	10.68	24.00	13.32
6665	-	68	8.65	7.16	15.81	11.99	-	-	-	6.65	5.51	12.16	10.85	24.00	13.15
6825	-	68	9.00	6.63	15.63	11.94	-	-	-	6.92	5.10	12.02	10.80	24.00	13.20
6985	-	68	8.98	6.31	15.29	11.84	-	-	-	6.90	4.85	11.76	10.70	24.00	13.30

				5G_CH0						5G_CH1					
Tested Frequency	Segment	RU Index	Duty Factor	Power Meter	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter	Cable Loss	Atten. Loss	Directional Gain	Result	
			*1)	Reading				Cond.	e.i.r.p.	Reading				Cond.	e.i.r.p.
[MHz]			[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
6025	-	68	0.00	-13.42	1.97	20.17	-1.14	8.72	7.58	-14.12	1.99	20.16	-1.14	8.03	6.89
6185	-	68	0.00	-13.33	2.00	20.17	-1.14	8.84	7.70	-14.15	1.99	20.16	-1.14	8.00	6.86
6345	-	68	0.00	-13.37	2.04	20.16	-1.14	8.83	7.69	-13.83	2.00	20.16	-1.14	8.33	7.19
6505	-	68	0.00	-12.82	2.09	20.15	-1.14	9.43	8.29	-14.10	2.02	20.16	-1.14	8.08	6.94
6665	-	68	0.00	-12.95	2.17	20.15	-1.14	9.37	8.23	-13.70	2.09	20.16	-1.14	8.55	7.41
6825	-	68	0.00	-12.81	2.20	20.15	-1.14	9.54	8.40	-14.04	2.10	20.16	-1.14	8.22	7.08
6985	-	68	0.00	-12.88	2.26	20.15	-1.14	9.53	8.39	-14.29	2.13	20.16	-1.14	8.00	6.86

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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 + Directional Gain

Directional Gain: G(ANT) + Array gain, G(ANT)= set equal to the antenna having the highest gain, Array gain = 0 dB for N(ANT) =< 4 (N(ANT)=2)

The test was performed with Gate function

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 996x2-tone RU (SDM)

[Standard Power mode]

11ax-160 (OFDMA)(SDM) 2x996-tone RU 5G_CH0 + 5G_CH1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	Conducted power						e.i.r.p.					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]				5G_CH0 [mW]	5G_CH1 [mW]	Sum [mW]			
6025	7.46	6.44	13.90	11.43	-	-	5.45	4.95	10.41	10.17	24.00	13.83
6185	7.65	6.21	13.86	11.42	-	-	5.59	4.78	10.37	10.16	24.00	13.84
6345	7.55	6.78	14.32	11.56	-	-	5.52	5.21	10.73	10.30	24.00	13.70
6505	8.95	6.68	15.62	11.94	-	-	6.54	5.13	11.68	10.67	24.00	13.33
6665	8.57	7.08	15.65	11.95	-	-	6.27	5.45	11.71	10.69	24.00	13.31
6825	8.75	6.83	15.58	11.93	-	-	6.40	5.26	11.65	10.66	24.00	13.34
6985	9.02	6.37	15.39	11.87	-	-	6.59	4.90	11.49	10.60	24.00	13.40

		5G_CH0						5G_CH1					
Tested	Duty	Power	Cable	Atten.	Antenna	Result		Power	Cable	Atten.	Antenna	Result	
Frequency	Factor	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.	Meter	Loss	Loss	Gain	Cond.	e.i.r.p.
	*1)	Reading				Power		Reading				Power	
[MHz]	[dB]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
6025	0.00	-13.41	1.97	20.17	-1.36	8.73	7.37	-14.06	1.99	20.16	-1.14	8.09	6.95
6185	0.00	-13.33	2.00	20.17	-1.36	8.84	7.48	-14.22	1.99	20.16	-1.14	7.93	6.79
6345	0.00	-13.42	2.04	20.16	-1.36	8.78	7.42	-13.85	2.00	20.16	-1.14	8.31	7.17
6505	0.00	-12.73	2.09	20.15	-1.36	9.52	8.16	-13.94	2.02	20.16	-1.14	8.24	7.10
6665	0.00	-12.99	2.17	20.15	-1.36	9.33	7.97	-13.75	2.09	20.16	-1.14	8.50	7.36
6825	0.00	-12.93	2.20	20.15	-1.36	9.42	8.06	-13.91	2.10	20.16	-1.14	8.35	7.21
6985	0.00	-12.86	2.26	20.15	-1.36	9.55	8.19	-14.25	2.13	20.16	-1.14	8.04	6.90

*1) Duty factor is 0, since this measurement was performed only on the on time using the gate function of power meter.

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

The test was performed with Gate function

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 26, 2024
Temperature / Humidity 22 deg. C / 44 % RH
Engineer Kenichi Adachi
Mode Tx 11a

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	5G_CH0	5G_CH1	Sum				5G_CH0	5G_CH1	Sum			
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5955	0.23	0.25	0.48	-3.17	-	-	0.36	0.38	0.74	-1.29	-1.00	0.29
6195	0.23	0.21	0.44	-3.59	-	-	0.35	0.33	0.67	-1.71	-1.00	0.71
6415	0.21	0.21	0.42	-3.82	-	-	0.32	0.32	0.64	-1.94	-1.00	0.94
6435	0.19	0.19	0.37	-4.28	-	-	0.29	0.29	0.58	-2.40	-1.00	1.40
6475	0.20	0.19	0.38	-4.18	-	-	0.30	0.29	0.59	-2.30	-1.00	1.30
6515	0.20	0.18	0.38	-4.15	-	-	0.31	0.28	0.59	-2.27	-1.00	1.27
6535	0.19	0.18	0.38	-4.22	-	-	0.30	0.28	0.58	-2.34	-1.00	1.34
6695	0.18	0.17	0.34	-4.63	-	-	0.27	0.26	0.53	-2.75	-1.00	1.75
6855	0.15	0.14	0.29	-5.39	-	-	0.24	0.21	0.45	-3.51	-1.00	2.51
6875	0.17	0.13	0.30	-5.22	-	-	0.26	0.21	0.46	-3.34	-1.00	2.34
6895	0.22	0.17	0.40	-4.03	-	-	0.35	0.26	0.61	-2.15	-1.00	1.15
6995	0.22	0.16	0.38	-4.18	-	-	0.34	0.25	0.59	-2.30	-1.00	1.30
7095	0.21	0.16	0.37	-4.35	-	-	0.33	0.24	0.57	-2.47	-1.00	1.47

Tested Frequency	Duty Factor	5G_CH0						5G_CH1					
		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
		[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5955	0.03	-28.50	1.96	20.17	1.88	-6.33	-4.45	-28.23	2.01	20.16	1.88	-6.03	-4.15
6195	0.03	-28.66	2.01	20.17	1.88	-6.46	-4.58	-28.96	2.02	20.16	1.88	-6.75	-4.87
6415	0.03	-29.08	2.06	20.16	1.88	-6.83	-4.95	-29.05	2.04	20.16	1.88	-6.82	-4.94
6435	0.03	-29.55	2.09	20.16	1.88	-7.28	-5.40	-29.55	2.06	20.16	1.88	-7.30	-5.42
6475	0.03	-29.37	2.10	20.15	1.88	-7.08	-5.20	-29.56	2.06	20.16	1.88	-7.31	-5.43
6515	0.03	-29.25	2.11	20.15	1.88	-6.96	-5.08	-29.63	2.07	20.16	1.88	-7.38	-5.50
6535	0.03	-29.45	2.14	20.15	1.88	-7.13	-5.25	-29.62	2.10	20.16	1.88	-7.33	-5.45
6695	0.03	-29.88	2.17	20.15	1.88	-7.53	-5.65	-30.06	2.10	20.16	1.88	-7.76	-5.88
6855	0.03	-30.53	2.20	20.15	1.88	-8.15	-6.27	-30.96	2.11	20.16	1.88	-8.67	-6.79
6875	0.03	-30.19	2.21	20.15	1.88	-7.81	-5.93	-31.01	2.11	20.16	1.88	-8.71	-6.83
6895	0.03	-28.90	2.24	20.15	1.88	-6.48	-4.60	-30.01	2.14	20.16	1.88	-7.68	-5.80
6995	0.03	-29.05	2.26	20.15	1.88	-6.61	-4.73	-30.19	2.14	20.16	1.88	-7.86	-5.98
7095	0.03	-29.22	2.30	20.15	1.88	-6.75	-4.87	-30.41	2.15	20.16	1.88	-8.08	-6.20

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.8 Shielded Room
April 17, 2024
26 deg. C / 31 % RH
Yuta Shiba
Tx 11ax-20 (OFDM) (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
[MHz]	5G_CH0	5G_CH1					5G_CH0	5G_CH1				
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5955	0.23	0.23	0.47	-3.32	-	-	0.36	0.36	0.72	-1.44	-1.00	0.44
6195	0.20	0.19	0.39	-4.09	-	-	0.30	0.30	0.60	-2.21	-1.00	1.21
6415	0.24	0.22	0.46	-3.41	-	-	0.36	0.34	0.70	-1.53	-1.00	0.53
6435	0.22	0.20	0.42	-3.76	-	-	0.33	0.31	0.65	-1.88	-1.00	0.88
6475	0.19	0.18	0.37	-4.34	-	-	0.29	0.28	0.57	-2.46	-1.00	1.46
6515	0.20	0.18	0.37	-4.31	-	-	0.30	0.27	0.57	-2.43	-1.00	1.43
6535	0.21	0.19	0.39	-4.05	-	-	0.32	0.29	0.61	-2.17	-1.00	1.17
6695	0.17	0.16	0.33	-4.87	-	-	0.26	0.24	0.50	-2.99	-1.00	1.99
6855	0.16	0.14	0.30	-5.22	-	-	0.25	0.21	0.46	-3.34	-1.00	2.34
6875	0.17	0.14	0.31	-5.06	-	-	0.27	0.21	0.48	-3.18	-1.00	2.18
6895	0.24	0.18	0.43	-3.70	-	-	0.38	0.28	0.66	-1.82	-1.00	0.82
6995	0.23	0.16	0.39	-4.13	-	-	0.35	0.25	0.60	-2.25	-1.00	1.25
7095	0.20	0.15	0.34	-4.67	-	-	0.30	0.22	0.53	-2.79	-1.00	1.79

Tested Frequency	Duty Factor	5G_CH0						5G_CH1					
		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
[MHz]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5955	0.01	-28.50	1.96	20.17	1.88	-6.35	-4.47	-28.48	2.01	20.16	1.88	-6.30	-4.42
6195	0.01	-29.26	2.01	20.17	1.88	-7.07	-5.19	-29.33	2.02	20.16	1.88	-7.14	-5.26
6415	0.01	-28.50	2.06	20.16	1.88	-6.27	-4.39	-28.79	2.04	20.16	1.88	-6.58	-4.70
6435	0.01	-28.89	2.09	20.16	1.88	-6.64	-4.76	-29.14	2.06	20.16	1.88	-6.91	-5.03
6475	0.01	-29.53	2.10	20.15	1.88	-7.27	-5.39	-29.67	2.06	20.16	1.88	-7.44	-5.56
6515	0.01	-29.36	2.11	20.15	1.88	-7.09	-5.21	-29.81	2.07	20.16	1.88	-7.57	-5.69
6535	0.01	-29.16	2.14	20.15	1.88	-6.86	-4.98	-29.55	2.10	20.16	1.88	-7.28	-5.40
6695	0.01	-30.06	2.17	20.15	1.88	-7.73	-5.85	-30.30	2.10	20.16	1.88	-8.03	-6.15
6855	0.01	-30.19	2.20	20.15	1.88	-7.83	-5.95	-30.95	2.11	20.16	1.88	-8.67	-6.79
6875	0.01	-29.94	2.21	20.15	1.88	-7.57	-5.69	-30.91	2.11	20.16	1.88	-8.64	-6.76
6895	0.01	-28.53	2.24	20.15	1.88	-6.13	-4.25	-29.69	2.14	20.16	1.88	-7.38	-5.50
6995	0.01	-28.86	2.26	20.15	1.88	-6.43	-4.55	-30.29	2.14	20.16	1.88	-7.98	-6.10
7095	0.01	-29.55	2.30	20.15	1.88	-7.09	-5.21	-30.68	2.15	20.16	1.88	-8.37	-6.49

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 17, 2024
Temperature / Humidity 25 deg. C / 28 % RH
Engineer Yuta Shiba
Mode Tx 11ax-20 (OFDMA) 26-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
5955	0	0.19	0.15	0.34	-4.63	-	-	0.29	0.24	0.53	-2.75	-1.00	1.75
	4	0.13	0.11	0.23	-6.31	-	-	0.20	0.16	0.36	-4.43	-1.00	3.43
	8	0.16	0.15	0.30	-5.22	-	-	0.24	0.22	0.46	-3.34	-1.00	2.34
6195	0	0.16	0.16	0.32	-4.97	-	-	0.24	0.25	0.49	-3.09	-1.00	2.09
	4	0.12	0.11	0.23	-6.47	-	-	0.18	0.17	0.35	-4.59	-1.00	3.59
	8	0.16	0.15	0.32	-4.98	-	-	0.25	0.24	0.49	-3.10	-1.00	2.10
6415	0	0.12	0.10	0.21	-6.75	-	-	0.18	0.15	0.33	-4.87	-1.00	3.87
	4	0.09	0.07	0.16	-8.03	-	-	0.13	0.11	0.24	-6.15	-1.00	5.15
	8	0.11	0.10	0.21	-6.81	-	-	0.16	0.16	0.32	-4.93	-1.00	3.93
6435	0	0.17	0.15	0.32	-5.01	-	-	0.26	0.23	0.49	-3.13	-1.00	2.13
	4	0.11	0.09	0.20	-6.92	-	-	0.17	0.14	0.31	-5.04	-1.00	4.04
	8	0.17	0.14	0.31	-5.09	-	-	0.26	0.22	0.48	-3.21	-1.00	2.21
6475	0	0.17	0.14	0.31	-5.03	-	-	0.26	0.22	0.48	-3.15	-1.00	2.15
	4	0.12	0.10	0.22	-6.58	-	-	0.19	0.15	0.34	-4.70	-1.00	3.70
	8	0.16	0.16	0.31	-5.03	-	-	0.24	0.24	0.48	-3.15	-1.00	2.15
6515	0	0.16	0.13	0.29	-5.32	-	-	0.25	0.21	0.45	-3.44	-1.00	2.44
	4	0.12	0.10	0.22	-6.51	-	-	0.19	0.16	0.34	-4.63	-1.00	3.63
	8	0.16	0.13	0.30	-5.23	-	-	0.25	0.21	0.46	-3.35	-1.00	2.35

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		e.i.r.p.
		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond.	e.i.r.p.	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond.	e.i.r.p.	
5955	0	0.04	-29.38	1.96	20.17	1.88	-7.20	-5.32	-30.35	2.01	20.16	1.88	-8.14	-6.26	
	4	0.04	-31.13	1.96	20.17	1.88	-8.96	-7.08	-31.92	2.01	20.16	1.88	-9.71	-7.83	
	8	0.04	-30.27	1.96	20.17	1.88	-8.09	-6.21	-30.57	2.01	20.16	1.88	-8.36	-6.48	
6195	0	0.04	-30.26	2.01	20.17	1.88	-8.05	-6.17	-30.13	2.02	20.16	1.88	-7.92	-6.04	
	4	0.04	-31.53	2.01	20.17	1.88	-9.32	-7.44	-31.86	2.02	20.16	1.88	-9.64	-7.76	
	8	0.04	-30.05	2.01	20.17	1.88	-7.84	-5.96	-30.37	2.02	20.16	1.88	-8.15	-6.27	
6415	0	0.04	-31.63	2.06	20.16	1.88	-9.37	-7.49	-32.44	2.04	20.16	1.88	-10.20	-8.32	
	4	0.04	-32.84	2.06	20.16	1.88	-10.58	-8.70	-33.79	2.04	20.16	1.88	-11.55	-9.67	
	8	0.04	-32.00	2.06	20.16	1.88	-9.74	-7.86	-32.13	2.04	20.16	1.88	-9.89	-8.01	
6435	0	0.04	-30.04	2.09	20.16	1.88	-7.75	-5.87	-30.56	2.06	20.16	1.88	-8.29	-6.41	
	4	0.04	-31.82	2.09	20.16	1.88	-9.54	-7.66	-32.62	2.06	20.16	1.88	-10.36	-8.48	
	8	0.04	-30.10	2.09	20.16	1.88	-7.81	-5.93	-30.67	2.06	20.16	1.88	-8.41	-6.53	
6475	0	0.04	-29.97	2.10	20.15	1.88	-7.68	-5.80	-30.70	2.06	20.16	1.88	-8.44	-6.56	
	4	0.04	-31.44	2.10	20.15	1.88	-9.15	-7.27	-32.35	2.06	20.16	1.88	-10.09	-8.21	
	8	0.04	-30.31	2.10	20.15	1.88	-8.02	-6.14	-30.32	2.06	20.16	1.88	-8.06	-6.18	
6515	0	0.04	-30.28	2.11	20.15	1.88	-7.98	-6.10	-30.98	2.07	20.16	1.88	-8.72	-6.84	
	4	0.04	-31.44	2.11	20.15	1.88	-9.14	-7.26	-32.22	2.07	20.16	1.88	-9.95	-8.07	
	8	0.04	-30.13	2.11	20.15	1.88	-7.83	-5.95	-30.97	2.07	20.16	1.88	-8.70	-6.82	

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 17, 2024
Temperature / Humidity 25 deg. C / 28 % RH
Engineer Yuta Shiba
Mode Tx 11ax-20 (OFDMA) 26-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]					5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]				
6535	0	0.21	0.15	0.35	-4.50	-	-	0.32	0.23	0.55	-2.62	-1.00	1.62
	4	0.14	0.11	0.26	-5.88	-	-	0.22	0.18	0.40	-4.00	-1.00	3.00
	8	0.21	0.16	0.37	-4.37	-	-	0.32	0.25	0.56	-2.49	-1.00	1.49
6695	0	0.20	0.15	0.35	-4.52	-	-	0.31	0.23	0.54	-2.64	-1.00	1.64
	4	0.14	0.11	0.25	-6.04	-	-	0.22	0.17	0.38	-4.16	-1.00	3.16
	8	0.20	0.16	0.36	-4.43	-	-	0.31	0.25	0.56	-2.55	-1.00	1.55
6855	0	0.17	0.10	0.27	-5.69	-	-	0.26	0.16	0.42	-3.81	-1.00	2.81
	4	0.12	0.08	0.19	-7.10	-	-	0.18	0.12	0.30	-5.22	-1.00	4.22
	8	0.16	0.10	0.27	-5.76	-	-	0.25	0.15	0.41	-3.88	-1.00	2.88
6875	0	0.17	0.10	0.27	-5.71	-	-	0.26	0.16	0.41	-3.83	-1.00	2.83
	4	0.12	0.07	0.19	-7.20	-	-	0.18	0.11	0.29	-5.32	-1.00	4.32
	8	0.17	0.10	0.27	-5.72	-	-	0.26	0.15	0.41	-3.84	-1.00	2.84
6895	0	0.22	0.12	0.34	-4.73	-	-	0.34	0.18	0.52	-2.85	-1.00	1.85
	4	0.14	0.09	0.23	-6.34	-	-	0.22	0.13	0.36	-4.46	-1.00	3.46
	8	0.18	0.11	0.30	-5.30	-	-	0.28	0.18	0.46	-3.42	-1.00	2.42
6995	0	0.18	0.10	0.29	-5.43	-	-	0.28	0.16	0.44	-3.55	-1.00	2.55
	4	0.13	0.07	0.20	-7.03	-	-	0.20	0.11	0.31	-5.15	-1.00	4.15
	8	0.16	0.10	0.25	-5.97	-	-	0.24	0.15	0.39	-4.09	-1.00	3.09
7095	0	0.14	0.08	0.22	-6.66	-	-	0.21	0.12	0.33	-4.78	-1.00	3.78
	4	0.10	0.06	0.16	-7.95	-	-	0.16	0.09	0.25	-6.07	-1.00	5.07
	8	0.14	0.08	0.22	-6.57	-	-	0.22	0.12	0.34	-4.69	-1.00	3.69

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	5G_CH0						5G_CH1					
			PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
6535	0	0.04	-29.17	2.14	20.15	1.88	-6.84	-4.96	-30.60	2.10	20.16	1.88	-8.30	-6.42
	4	0.04	-30.75	2.14	20.15	1.88	-8.41	-6.53	-31.73	2.10	20.16	1.88	-9.44	-7.56
	8	0.04	-29.20	2.14	20.15	1.88	-6.87	-4.99	-30.27	2.10	20.16	1.88	-7.97	-6.09
6695	0	0.04	-29.31	2.17	20.15	1.88	-6.94	-5.06	-30.51	2.10	20.16	1.88	-8.21	-6.33
	4	0.04	-30.87	2.17	20.15	1.88	-8.51	-6.63	-31.98	2.10	20.16	1.88	-9.68	-7.80
	8	0.04	-29.32	2.17	20.15	1.88	-6.95	-5.07	-30.29	2.10	20.16	1.88	-7.99	-6.11
6855	0	0.04	-30.18	2.20	20.15	1.88	-7.78	-5.90	-32.18	2.11	20.16	1.88	-9.87	-7.99
	4	0.04	-31.66	2.20	20.15	1.88	-9.27	-7.39	-33.48	2.11	20.16	1.88	-11.17	-9.29
	8	0.04	-30.22	2.20	20.15	1.88	-7.83	-5.95	-32.28	2.11	20.16	1.88	-9.98	-8.10
6875	0	0.04	-30.19	2.21	20.15	1.88	-7.79	-5.91	-32.20	2.11	20.16	1.88	-9.90	-8.02
	4	0.04	-31.70	2.21	20.15	1.88	-9.31	-7.43	-33.67	2.11	20.16	1.88	-11.36	-9.48
	8	0.04	-30.13	2.21	20.15	1.88	-7.73	-5.85	-32.33	2.11	20.16	1.88	-10.02	-8.14
6895	0	0.04	-29.00	2.24	20.15	1.88	-6.57	-4.69	-31.68	2.14	20.16	1.88	-9.35	-7.47
	4	0.04	-30.82	2.24	20.15	1.88	-8.39	-6.51	-32.92	2.14	20.16	1.88	-10.59	-8.71
	8	0.04	-29.87	2.24	20.15	1.88	-7.43	-5.55	-31.74	2.14	20.16	1.88	-9.40	-7.52
6995	0	0.04	-29.80	2.26	20.15	1.88	-7.34	-5.46	-32.24	2.14	20.16	1.88	-9.90	-8.02
	4	0.04	-31.41	2.26	20.15	1.88	-8.96	-7.08	-33.82	2.14	20.16	1.88	-11.48	-9.60
	8	0.04	-30.48	2.26	20.15	1.88	-8.03	-6.15	-32.54	2.14	20.16	1.88	-10.20	-8.32
7095	0	0.04	-31.11	2.30	20.15	1.88	-8.62	-6.74	-33.39	2.15	20.16	1.88	-11.05	-9.17
	4	0.04	-32.36	2.30	20.15	1.88	-9.87	-7.99	-34.76	2.15	20.16	1.88	-12.42	-10.54
	8	0.04	-31.03	2.30	20.15	1.88	-8.54	-6.66	-33.28	2.15	20.16	1.88	-10.94	-9.06

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 17, 2024
Temperature / Humidity 25 deg. C / 28 % RH
Engineer Yuta Shiba
Mode Tx 11ax-20 (OFDMA) 52-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0	5G_CH1	Sum				5G_CH0	5G_CH1	Sum			
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5955	37	0.18	0.17	0.35	-4.57	-	-	0.27	0.27	0.54	-2.69	-1.00	1.69
	38	0.17	0.18	0.34	-4.68	-	-	0.25	0.27	0.53	-2.80	-1.00	1.80
	40	0.18	0.18	0.37	-4.35	-	-	0.28	0.28	0.57	-2.47	-1.00	1.47
6195	37	0.19	0.17	0.36	-4.39	-	-	0.30	0.26	0.56	-2.51	-1.00	1.51
	38	0.18	0.16	0.34	-4.63	-	-	0.28	0.25	0.53	-2.75	-1.00	1.75
	40	0.20	0.18	0.38	-4.22	-	-	0.30	0.28	0.58	-2.34	-1.00	1.34
6415	37	0.13	0.12	0.25	-6.06	-	-	0.20	0.18	0.38	-4.18	-1.00	3.18
	38	0.13	0.11	0.24	-6.18	-	-	0.20	0.17	0.37	-4.30	-1.00	3.30
	40	0.14	0.12	0.26	-5.84	-	-	0.21	0.19	0.40	-3.96	-1.00	2.96
6435	37	0.19	0.16	0.34	-4.62	-	-	0.29	0.24	0.53	-2.74	-1.00	1.74
	38	0.18	0.16	0.34	-4.65	-	-	0.28	0.25	0.53	-2.77	-1.00	1.77
	40	0.19	0.15	0.34	-4.67	-	-	0.29	0.24	0.53	-2.79	-1.00	1.79
6475	37	0.18	0.15	0.33	-4.77	-	-	0.28	0.23	0.51	-2.89	-1.00	1.89
	38	0.18	0.15	0.33	-4.78	-	-	0.27	0.24	0.51	-2.90	-1.00	1.90
	40	0.20	0.17	0.37	-4.33	-	-	0.31	0.26	0.57	-2.45	-1.00	1.45
6515	37	0.21	0.15	0.36	-4.41	-	-	0.32	0.24	0.56	-2.53	-1.00	1.53
	38	0.18	0.15	0.33	-4.87	-	-	0.28	0.23	0.50	-2.99	-1.00	1.99
	40	0.19	0.17	0.36	-4.47	-	-	0.29	0.26	0.55	-2.59	-1.00	1.59

Tested Frequency	RU Index	5G_CH0							5G_CH1						
		Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		
		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond.	e.i.r.p.	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond.	e.i.r.p.	
5955	37	0.08	-29.77	1.96	20.17	1.88	-7.56	-5.68	-29.84	2.01	20.16	1.88	-7.59	-5.71	
	38	0.08	-30.04	1.96	20.17	1.88	-7.82	-5.94	-29.80	2.01	20.16	1.88	-7.56	-5.68	
	40	0.08	-29.58	1.96	20.17	1.88	-7.36	-5.48	-29.62	2.01	20.16	1.88	-7.37	-5.49	
6195	37	0.08	-29.37	2.01	20.17	1.88	-7.11	-5.23	-29.97	2.02	20.16	1.88	-7.71	-5.83	
	38	0.08	-29.68	2.01	20.17	1.88	-7.43	-5.55	-30.12	2.02	20.16	1.88	-7.86	-5.98	
	40	0.08	-29.30	2.01	20.17	1.88	-7.05	-5.17	-29.69	2.02	20.16	1.88	-7.43	-5.55	
6415	37	0.08	-31.11	2.06	20.16	1.88	-8.81	-6.93	-31.64	2.04	20.16	1.88	-9.36	-7.48	
	38	0.08	-31.16	2.06	20.16	1.88	-8.86	-6.98	-31.84	2.04	20.16	1.88	-9.56	-7.68	
	40	0.08	-30.90	2.06	20.16	1.88	-8.60	-6.72	-31.39	2.04	20.16	1.88	-9.11	-7.23	
6435	37	0.08	-29.56	2.09	20.16	1.88	-7.24	-5.36	-30.37	2.06	20.16	1.88	-8.07	-6.19	
	38	0.08	-29.77	2.09	20.16	1.88	-7.44	-5.56	-30.18	2.06	20.16	1.88	-7.88	-6.00	
	40	0.08	-29.61	2.09	20.16	1.88	-7.29	-5.41	-30.42	2.06	20.16	1.88	-8.12	-6.24	
6475	37	0.08	-29.74	2.10	20.15	1.88	-7.40	-5.52	-30.50	2.06	20.16	1.88	-8.20	-6.32	
	38	0.08	-29.83	2.10	20.15	1.88	-7.50	-5.62	-30.41	2.06	20.16	1.88	-8.11	-6.23	
	40	0.08	-29.35	2.10	20.15	1.88	-7.02	-5.14	-29.99	2.06	20.16	1.88	-7.69	-5.81	
6515	37	0.08	-29.16	2.11	20.15	1.88	-6.82	-4.94	-30.42	2.07	20.16	1.88	-8.12	-6.24	
	38	0.08	-29.80	2.11	20.15	1.88	-7.46	-5.58	-30.65	2.07	20.16	1.88	-8.35	-6.47	
	40	0.08	-29.55	2.11	20.15	1.88	-7.21	-5.33	-30.08	2.07	20.16	1.88	-7.77	-5.89	

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 17, 2024
Temperature / Humidity 25 deg. C / 28 % RH
Engineer Yuta Shiba
Mode Tx 11ax-20 (OFDMA) 52-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6535	37	0.27	0.18	0.46	-3.41	-	-	0.42	0.28	0.70	-1.53	-1.00	0.53
	38	0.24	0.17	0.42	-3.79	-	-	0.38	0.27	0.64	-1.91	-1.00	0.91
	40	0.27	0.18	0.45	-3.46	-	-	0.41	0.28	0.70	-1.58	-1.00	0.58
6695	37	0.27	0.18	0.45	-3.43	-	-	0.42	0.28	0.70	-1.55	-1.00	0.55
	38	0.26	0.18	0.44	-3.59	-	-	0.40	0.27	0.67	-1.71	-1.00	0.71
	40	0.27	0.18	0.45	-3.51	-	-	0.41	0.28	0.69	-1.63	-1.00	0.63
6855	37	0.25	0.14	0.40	-4.02	-	-	0.39	0.22	0.61	-2.14	-1.00	1.14
	38	0.23	0.14	0.36	-4.41	-	-	0.35	0.21	0.56	-2.53	-1.00	1.53
	40	0.23	0.14	0.37	-4.35	-	-	0.35	0.21	0.57	-2.47	-1.00	1.47
6875	37	0.25	0.13	0.38	-4.20	-	-	0.38	0.21	0.59	-2.32	-1.00	1.32
	38	0.22	0.13	0.35	-4.50	-	-	0.34	0.20	0.55	-2.62	-1.00	1.62
	40	0.22	0.13	0.35	-4.52	-	-	0.34	0.20	0.54	-2.64	-1.00	1.64
6895	37	0.29	0.16	0.46	-3.41	-	-	0.45	0.25	0.70	-1.53	-1.00	0.53
	38	0.26	0.15	0.41	-3.85	-	-	0.40	0.23	0.64	-1.97	-1.00	0.97
	40	0.27	0.16	0.43	-3.63	-	-	0.41	0.25	0.67	-1.75	-1.00	0.75
6995	37	0.24	0.14	0.38	-4.18	-	-	0.38	0.21	0.59	-2.30	-1.00	1.30
	38	0.22	0.13	0.34	-4.64	-	-	0.33	0.20	0.53	-2.76	-1.00	1.76
	40	0.22	0.13	0.35	-4.58	-	-	0.34	0.20	0.54	-2.70	-1.00	1.70
7095	37	0.18	0.10	0.28	-5.52	-	-	0.28	0.16	0.43	-3.64	-1.00	2.64
	38	0.19	0.10	0.29	-5.42	-	-	0.29	0.15	0.44	-3.54	-1.00	2.54
	40	0.17	0.10	0.27	-5.67	-	-	0.26	0.15	0.42	-3.79	-1.00	2.79

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6535	37	0.08	-28.02	2.14	20.15	1.88	-5.64	-3.76	-29.70	2.10	20.16	1.88	-7.36	-5.48
	38	0.08	-28.50	2.14	20.15	1.88	-6.13	-4.25	-29.93	2.10	20.16	1.88	-7.59	-5.71
	40	0.08	-28.12	2.14	20.15	1.88	-5.75	-3.87	-29.67	2.10	20.16	1.88	-7.33	-5.45
6695	37	0.08	-28.04	2.17	20.15	1.88	-5.64	-3.76	-29.77	2.10	20.16	1.88	-7.43	-5.55
	38	0.08	-28.22	2.17	20.15	1.88	-5.82	-3.94	-29.90	2.10	20.16	1.88	-7.56	-5.68
	40	0.08	-28.13	2.17	20.15	1.88	-5.72	-3.84	-29.83	2.10	20.16	1.88	-7.48	-5.60
6855	37	0.08	-28.41	2.20	20.15	1.88	-5.98	-4.10	-30.77	2.11	20.16	1.88	-8.42	-6.54
	38	0.08	-28.90	2.20	20.15	1.88	-6.47	-4.59	-30.99	2.11	20.16	1.88	-8.64	-6.76
	40	0.08	-28.84	2.20	20.15	1.88	-6.40	-4.52	-30.94	2.11	20.16	1.88	-8.60	-6.72
6875	37	0.08	-28.52	2.21	20.15	1.88	-6.08	-4.20	-31.10	2.11	20.16	1.88	-8.75	-6.87
	38	0.08	-28.95	2.21	20.15	1.88	-6.51	-4.63	-31.16	2.11	20.16	1.88	-8.81	-6.93
	40	0.08	-28.95	2.21	20.15	1.88	-6.51	-4.63	-31.21	2.11	20.16	1.88	-8.87	-6.99
6895	37	0.08	-27.80	2.24	20.15	1.88	-5.33	-3.45	-30.27	2.14	20.16	1.88	-7.89	-6.01
	38	0.08	-28.28	2.24	20.15	1.88	-5.81	-3.93	-30.61	2.14	20.16	1.88	-8.24	-6.36
	40	0.08	-28.18	2.24	20.15	1.88	-5.71	-3.83	-30.21	2.14	20.16	1.88	-7.83	-5.95
6995	37	0.08	-28.63	2.26	20.15	1.88	-6.14	-4.26	-30.96	2.14	20.16	1.88	-8.58	-6.70
	38	0.08	-29.14	2.26	20.15	1.88	-6.64	-4.76	-31.34	2.14	20.16	1.88	-8.96	-7.08
	40	0.08	-29.05	2.26	20.15	1.88	-6.56	-4.68	-31.32	2.14	20.16	1.88	-8.94	-7.06
7095	37	0.08	-30.00	2.30	20.15	1.88	-7.47	-5.59	-32.33	2.15	20.16	1.88	-9.94	-8.06
	38	0.08	-29.72	2.30	20.15	1.88	-7.20	-5.32	-32.55	2.15	20.16	1.88	-10.16	-8.28
	40	0.08	-30.20	2.30	20.15	1.88	-7.67	-5.79	-32.40	2.15	20.16	1.88	-10.01	-8.13

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 17, 2024
Temperature / Humidity 25 deg. C / 28 % RH
Engineer Yuta Shiba
Mode Tx 11ax-20 (OFDMA) 106-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]					5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				
5955	53	0.12	0.12	0.24	-6.21	-	-		0.19	0.18	0.37	-4.33	-1.00	3.33	
	54	0.12	0.12	0.24	-6.23	-	-		0.18	0.19	0.37	-4.35	-1.00	3.35	
6195	53	0.14	0.12	0.26	-5.89	-	-		0.22	0.18	0.40	-4.01	-1.00	3.01	
	54	0.14	0.13	0.27	-5.76	-	-		0.22	0.19	0.41	-3.88	-1.00	2.88	
6415	53	0.09	0.07	0.17	-7.79	-	-		0.14	0.11	0.26	-5.91	-1.00	4.91	
	54	0.09	0.08	0.16	-7.84	-	-		0.14	0.12	0.25	-5.96	-1.00	4.96	
6435	53	0.12	0.10	0.22	-6.56	-	-		0.19	0.15	0.34	-4.68	-1.00	3.68	
	54	0.13	0.10	0.23	-6.34	-	-		0.20	0.16	0.36	-4.46	-1.00	3.46	
6475	53	0.13	0.11	0.25	-6.10	-	-		0.21	0.17	0.38	-4.22	-1.00	3.22	
	54	0.13	0.10	0.24	-6.25	-	-		0.21	0.16	0.37	-4.37	-1.00	3.37	
6515	53	0.13	0.10	0.23	-6.40	-	-		0.20	0.15	0.35	-4.52	-1.00	3.52	
	54	0.13	0.11	0.23	-6.37	-	-		0.19	0.16	0.36	-4.49	-1.00	3.49	

Tested Frequency [MHz]	RU Index	5G_CH0							5G_CH1						
		Duty Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result		PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result		
							Cond.	e.i.r.p.					Cond.	e.i.r.p.	
5955	53	0.17	-31.46	1.96	20.17	1.88	-9.16	-7.28	-31.62	2.01	20.16	1.88	-9.28	-7.40	
	54	0.17	-31.60	1.96	20.17	1.88	-9.30	-7.42	-31.52	2.01	20.16	1.88	-9.19	-7.31	
6195	53	0.17	-30.80	2.01	20.17	1.88	-8.46	-6.58	-31.74	2.02	20.16	1.88	-9.39	-7.51	
	54	0.17	-30.88	2.01	20.17	1.88	-8.54	-6.66	-31.36	2.02	20.16	1.88	-9.01	-7.13	
6415	53	0.17	-32.76	2.06	20.16	1.88	-10.37	-8.49	-33.65	2.04	20.16	1.88	-11.28	-9.40	
	54	0.17	-32.93	2.06	20.16	1.88	-10.54	-8.66	-33.56	2.04	20.16	1.88	-11.19	-9.31	
6435	53	0.17	-31.55	2.09	20.16	1.88	-9.14	-7.26	-32.44	2.06	20.16	1.88	-10.05	-8.17	
	54	0.17	-31.35	2.09	20.16	1.88	-8.94	-7.06	-32.19	2.06	20.16	1.88	-9.80	-7.92	
6475	53	0.17	-31.17	2.10	20.15	1.88	-8.75	-6.87	-31.89	2.06	20.16	1.88	-9.50	-7.62	
	54	0.17	-31.13	2.10	20.15	1.88	-8.71	-6.83	-32.29	2.06	20.16	1.88	-9.90	-8.02	
6515	53	0.17	-31.24	2.11	20.15	1.88	-8.81	-6.93	-32.50	2.07	20.16	1.88	-10.10	-8.22	
	54	0.17	-31.44	2.11	20.15	1.88	-9.01	-7.13	-32.17	2.07	20.16	1.88	-9.77	-7.89	

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 17, 2024
Temperature / Humidity 25 deg. C / 28 % RH
Engineer Yuta Shiba
Mode Tx 11ax-20 (OFDMA) 106-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]					5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]				
6535	53	0.15	0.11	0.25	-5.98	-	-	0.23	0.16	0.39	-4.10	-1.00	3.10
	54	0.15	0.10	0.25	-6.08	-	-	0.22	0.16	0.38	-4.20	-1.00	3.20
6695	53	0.16	0.10	0.26	-5.77	-	-	0.25	0.16	0.41	-3.89	-1.00	2.89
	54	0.15	0.10	0.25	-5.95	-	-	0.23	0.16	0.39	-4.07	-1.00	3.07
6855	53	0.13	0.08	0.20	-6.91	-	-	0.20	0.12	0.31	-5.03	-1.00	4.03
	54	0.13	0.07	0.20	-6.90	-	-	0.20	0.11	0.31	-5.02	-1.00	4.02
6875	53	0.13	0.08	0.21	-6.78	-	-	0.20	0.12	0.32	-4.90	-1.00	3.90
	54	0.12	0.07	0.19	-7.29	-	-	0.18	0.11	0.29	-5.41	-1.00	4.41
6895	53	0.13	0.07	0.21	-6.84	-	-	0.21	0.11	0.32	-4.96	-1.00	3.96
	54	0.13	0.08	0.21	-6.74	-	-	0.21	0.12	0.33	-4.86	-1.00	3.86
6995	53	0.11	0.06	0.17	-7.64	-	-	0.17	0.09	0.27	-5.76	-1.00	4.76
	54	0.10	0.06	0.17	-7.78	-	-	0.16	0.10	0.26	-5.90	-1.00	4.90
7095	53	0.09	0.05	0.13	-8.72	-	-	0.13	0.07	0.21	-6.84	-1.00	5.84
	54	0.08	0.05	0.13	-8.79	-	-	0.13	0.08	0.20	-6.91	-1.00	5.91

5G_CH0										5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		
							Cond.	e.i.r.p.					Cond.	e.i.r.p.	
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
6535	53	0.17	-30.81	2.14	20.15	1.88	-8.35	-6.47	-32.17	2.10	20.16	1.88	-9.74	-7.86	
	54	0.17	-30.83	2.14	20.15	1.88	-8.36	-6.48	-32.40	2.10	20.16	1.88	-9.97	-8.09	
6695	53	0.17	-30.42	2.17	20.15	1.88	-7.93	-6.05	-32.27	2.10	20.16	1.88	-9.84	-7.96	
	54	0.17	-30.76	2.17	20.15	1.88	-8.27	-6.39	-32.23	2.10	20.16	1.88	-9.79	-7.91	
6855	53	0.17	-31.48	2.20	20.15	1.88	-8.96	-7.08	-33.60	2.11	20.16	1.88	-11.16	-9.28	
	54	0.17	-31.31	2.20	20.15	1.88	-8.79	-6.91	-33.87	2.11	20.16	1.88	-11.44	-9.56	
6875	53	0.17	-31.33	2.21	20.15	1.88	-8.80	-6.92	-33.52	2.11	20.16	1.88	-11.09	-9.21	
	54	0.17	-31.85	2.21	20.15	1.88	-9.32	-7.44	-34.00	2.11	20.16	1.88	-11.56	-9.68	
6895	53	0.17	-31.29	2.24	20.15	1.88	-8.73	-6.85	-33.84	2.14	20.16	1.88	-11.37	-9.49	
	54	0.17	-31.32	2.24	20.15	1.88	-8.76	-6.88	-33.50	2.14	20.16	1.88	-11.03	-9.15	
6995	53	0.17	-32.14	2.26	20.15	1.88	-9.56	-7.68	-34.59	2.14	20.16	1.88	-12.12	-10.24	
	54	0.17	-32.43	2.26	20.15	1.88	-9.84	-7.96	-34.48	2.14	20.16	1.88	-12.01	-10.13	
7095	53	0.17	-33.22	2.30	20.15	1.88	-10.60	-8.72	-35.73	2.15	20.16	1.88	-13.26	-11.38	
	54	0.17	-33.46	2.30	20.15	1.88	-10.84	-8.96	-35.51	2.15	20.16	1.88	-13.04	-11.16	

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date March 20, 2024
Temperature / Humidity 25 deg. C / 32 % RH
Engineer Mokoto Hosaka
Mode Tx 11ax-20 (OFDMA) 242-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
5955	61	0.19	0.20	0.39	-4.04	-	-	0.29	0.31	0.61	-2.16	-1.00	1.16
6195	61	0.17	0.18	0.35	-4.57	-	-	0.27	0.27	0.54	-2.69	-1.00	1.69
6415	61	0.18	0.18	0.36	-4.40	-	-	0.28	0.28	0.56	-2.52	-1.00	1.52
6435	61	0.18	0.19	0.38	-4.23	-	-	0.28	0.30	0.58	-2.35	-1.00	1.35
6475	61	0.18	0.19	0.37	-4.33	-	-	0.27	0.30	0.57	-2.45	-1.00	1.45
6515	61	0.24	0.17	0.40	-3.94	-	-	0.36	0.26	0.62	-2.06	-1.00	1.06

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5955	61	0.11	-29.45	1.96	20.17	1.88	-7.21	-5.33	-29.18	2.01	20.16	1.88	-6.90	-5.02
6195	61	0.11	-29.92	2.01	20.17	1.88	-7.64	-5.76	-29.80	2.02	20.16	1.88	-7.51	-5.63
6415	61	0.11	-29.71	2.06	20.16	1.88	-7.38	-5.50	-29.76	2.04	20.16	1.88	-7.45	-5.57
6435	61	0.11	-29.69	2.09	20.16	1.88	-7.34	-5.46	-29.48	2.06	20.16	1.88	-7.15	-5.27
6475	61	0.11	-29.87	2.10	20.15	1.88	-7.51	-5.63	-29.51	2.06	20.16	1.88	-7.17	-5.29
6515	61	0.11	-28.64	2.11	20.15	1.88	-6.27	-4.39	-30.09	2.07	20.16	1.88	-7.75	-5.87

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
6535	61	0.23	0.16	0.39	-4.10	-	-	0.35	0.25	0.60	-2.22	-1.00	1.22
6695	61	0.17	0.16	0.33	-4.85	-	-	0.26	0.25	0.50	-2.97	-1.00	1.97
6855	61	0.17	0.14	0.31	-5.13	-	-	0.26	0.21	0.47	-3.25	-1.00	2.25
6875	61	0.19	0.15	0.34	-4.68	-	-	0.30	0.23	0.53	-2.80	-1.00	1.80
6895	61	0.25	0.19	0.44	-3.60	-	-	0.38	0.29	0.67	-1.72	-1.00	0.72
6995	61	0.21	0.17	0.39	-4.10	-	-	0.33	0.27	0.60	-2.22	-1.00	1.22
7095	61	0.19	0.15	0.34	-4.72	-	-	0.29	0.23	0.52	-2.84	-1.00	1.84

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6535	61	0.11	-28.83	2.14	20.15	1.88	-6.43	-4.55	-30.30	2.10	20.16	1.88	-7.93	-6.05
6695	61	0.11	-30.20	2.17	20.15	1.88	-7.77	-5.89	-30.33	2.10	20.16	1.88	-7.96	-6.08
6855	61	0.11	-30.16	2.20	20.15	1.88	-7.69	-5.81	-31.02	2.11	20.16	1.88	-8.65	-6.77
6875	61	0.11	-29.61	2.21	20.15	1.88	-7.14	-5.26	-30.69	2.11	20.16	1.88	-8.31	-6.43
6895	61	0.11	-28.55	2.24	20.15	1.88	-6.05	-4.17	-29.67	2.14	20.16	1.88	-7.27	-5.39
6995	61	0.11	-29.20	2.26	20.15	1.88	-6.68	-4.80	-30.00	2.14	20.16	1.88	-7.59	-5.71
7095	61	0.11	-29.87	2.30	20.15	1.88	-7.32	-5.44	-30.59	2.15	20.16	1.88	-8.18	-6.30

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 17, 2024
Temperature / Humidity 26 deg. C / 31 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDM) (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
[MHz]	5G_CH0	5G_CH1					5G_CH0	5G_CH1				
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5965	0.24	0.22	0.47	-3.32	-	-	0.37	0.34	0.72	-1.44	-1.00	0.44
6205	0.24	0.19	0.43	-3.67	-	-	0.37	0.30	0.66	-1.79	-1.00	0.79
6405	0.25	0.24	0.49	-3.12	-	-	0.38	0.37	0.75	-1.24	-1.00	0.24
6445	0.19	0.21	0.40	-3.99	-	-	0.29	0.32	0.61	-2.11	-1.00	1.11
6485	0.22	0.19	0.40	-3.96	-	-	0.33	0.29	0.62	-2.08	-1.00	1.08
6525	0.24	0.18	0.42	-3.74	-	-	0.37	0.28	0.65	-1.86	-1.00	0.86
6565	0.26	0.22	0.48	-3.20	-	-	0.40	0.34	0.74	-1.32	-1.00	0.32
6685	0.25	0.20	0.45	-3.44	-	-	0.38	0.31	0.70	-1.56	-1.00	0.56
6845	0.24	0.18	0.42	-3.81	-	-	0.37	0.28	0.64	-1.93	-1.00	0.93
6885	0.29	0.21	0.50	-3.01	-	-	0.45	0.32	0.77	-1.13	-1.00	0.13
6925	0.29	0.19	0.47	-3.24	-	-	0.44	0.29	0.73	-1.36	-1.00	0.36
7005	0.23	0.17	0.40	-4.01	-	-	0.35	0.26	0.61	-2.13	-1.00	1.13
7085	0.21	0.16	0.37	-4.29	-	-	0.33	0.24	0.57	-2.41	-1.00	1.41

Tested Frequency	Duty Factor	5G_CH0					5G_CH1					PSD Result		
		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Result e.i.r.p.	PSD Result e.i.r.p.
[MHz]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]
5965	0.01	-28.29	1.96	20.17	1.88	-6.14	-4.26	-28.70	2.00	20.16	1.88	-6.52	-4.64	-4.64
6205	0.01	-28.43	2.01	20.16	1.88	-6.24	-4.36	-29.35	2.02	20.16	1.88	-7.16	-5.28	-5.28
6405	0.01	-28.32	2.06	20.16	1.88	-6.09	-4.21	-28.38	2.04	20.16	1.88	-6.17	-4.29	-4.29
6445	0.01	-29.45	2.09	20.16	1.88	-7.19	-5.31	-29.05	2.06	20.16	1.88	-6.82	-4.94	-4.94
6485	0.01	-28.92	2.10	20.15	1.88	-6.65	-4.77	-29.55	2.06	20.16	1.88	-7.32	-5.44	-5.44
6525	0.01	-28.49	2.11	20.15	1.88	-6.22	-4.34	-29.58	2.07	20.16	1.88	-7.34	-5.46	-5.46
6565	0.01	-28.15	2.14	20.15	1.88	-5.84	-3.96	-28.89	2.10	20.16	1.88	-6.62	-4.74	-4.74
6685	0.01	-28.36	2.17	20.15	1.88	-6.03	-4.15	-29.19	2.10	20.16	1.88	-6.92	-5.04	-5.04
6845	0.01	-28.61	2.20	20.15	1.88	-6.25	-4.37	-29.75	2.11	20.16	1.88	-7.47	-5.59	-5.59
6885	0.01	-27.71	2.21	20.15	1.88	-5.34	-3.46	-29.09	2.11	20.16	1.88	-6.82	-4.94	-4.94
6925	0.01	-27.84	2.25	20.15	1.88	-5.43	-3.55	-29.56	2.14	20.16	1.88	-7.25	-5.37	-5.37
7005	0.01	-28.88	2.26	20.15	1.88	-6.46	-4.58	-29.96	2.14	20.16	1.88	-7.65	-5.77	-5.77
7085	0.01	-29.14	2.29	20.15	1.88	-6.69	-4.81	-30.32	2.15	20.16	1.88	-8.01	-6.13	-6.13

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 17, 2024
Temperature / Humidity 25 deg. C / 28 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 26-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
5965	0	0.23	0.20	0.43	-3.63	-	-	0.36	0.31	0.67	-1.75	-1.00	0.75
	8	0.21	0.19	0.39	-4.05	-	-	0.32	0.29	0.61	-2.17	-1.00	1.17
	17	0.23	0.19	0.42	-3.75	-	-	0.35	0.30	0.65	-1.87	-1.00	0.87
6205	0	0.20	0.18	0.38	-4.20	-	-	0.31	0.28	0.59	-2.32	-1.00	1.32
	8	0.19	0.17	0.36	-4.46	-	-	0.29	0.26	0.55	-2.58	-1.00	1.58
	17	0.22	0.18	0.41	-3.89	-	-	0.35	0.28	0.63	-2.01	-1.00	1.01
6405	0	0.24	0.19	0.43	-3.71	-	-	0.37	0.29	0.66	-1.83	-1.00	0.83
	8	0.22	0.18	0.39	-4.06	-	-	0.33	0.27	0.61	-2.18	-1.00	1.18
	17	0.23	0.20	0.43	-3.67	-	-	0.36	0.30	0.66	-1.79	-1.00	0.79
6445	0	0.24	0.20	0.44	-3.61	-	-	0.36	0.31	0.67	-1.73	-1.00	0.73
	8	0.23	0.18	0.42	-3.79	-	-	0.36	0.28	0.64	-1.91	-1.00	0.91
	17	0.24	0.18	0.42	-3.72	-	-	0.37	0.28	0.65	-1.84	-1.00	0.84
6485	0	0.26	0.19	0.45	-3.47	-	-	0.40	0.29	0.69	-1.59	-1.00	0.59
	8	0.22	0.16	0.38	-4.22	-	-	0.34	0.24	0.58	-2.34	-1.00	1.34
	17	0.23	0.18	0.41	-3.88	-	-	0.35	0.28	0.63	-2.00	-1.00	1.00
6525	0	0.24	0.17	0.41	-3.88	-	-	0.37	0.26	0.63	-2.00	-1.00	1.00
	8	0.22	0.14	0.37	-4.34	-	-	0.35	0.22	0.57	-2.46	-1.00	1.46
	17	0.21	0.16	0.37	-4.27	-	-	0.33	0.25	0.58	-2.39	-1.00	1.39

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5965	0	0.04	-28.51	1.96	20.17	1.88	-6.34	-4.46	-29.18	2.00	20.16	1.88	-6.98	-5.10
	8	0.04	-29.03	1.96	20.17	1.88	-6.86	-4.98	-29.47	2.00	20.16	1.88	-7.26	-5.38
	17	0.04	-28.58	1.96	20.17	1.88	-6.40	-4.52	-29.35	2.00	20.16	1.88	-7.14	-5.26
6205	0	0.04	-29.19	2.01	20.16	1.88	-6.97	-5.09	-29.69	2.02	20.16	1.88	-7.47	-5.59
	8	0.04	-29.41	2.01	20.16	1.88	-7.19	-5.31	-29.98	2.02	20.16	1.88	-7.76	-5.88
	17	0.04	-28.70	2.01	20.16	1.88	-6.49	-4.61	-29.59	2.02	20.16	1.88	-7.37	-5.49
6405	0	0.04	-28.45	2.06	20.16	1.88	-6.20	-4.32	-29.56	2.04	20.16	1.88	-7.32	-5.44
	8	0.04	-28.90	2.06	20.16	1.88	-6.64	-4.76	-29.78	2.04	20.16	1.88	-7.54	-5.66
	17	0.04	-28.59	2.06	20.16	1.88	-6.33	-4.45	-29.29	2.04	20.16	1.88	-7.05	-5.17
6445	0	0.04	-28.55	2.09	20.16	1.88	-6.27	-4.39	-29.26	2.06	20.16	1.88	-6.99	-5.11
	8	0.04	-28.60	2.09	20.16	1.88	-6.32	-4.44	-29.61	2.06	20.16	1.88	-7.35	-5.47
	17	0.04	-28.48	2.09	20.16	1.88	-6.19	-4.31	-29.60	2.06	20.16	1.88	-7.34	-5.46
6485	0	0.04	-28.13	2.10	20.15	1.88	-5.83	-3.95	-29.50	2.06	20.16	1.88	-7.23	-5.35
	8	0.04	-28.86	2.10	20.15	1.88	-6.57	-4.69	-30.27	2.06	20.16	1.88	-8.00	-6.12
	17	0.04	-28.69	2.10	20.15	1.88	-6.39	-4.51	-29.72	2.06	20.16	1.88	-7.45	-5.57
6525	0	0.04	-28.46	2.11	20.15	1.88	-6.15	-4.27	-30.06	2.07	20.16	1.88	-7.79	-5.91
	8	0.04	-28.79	2.11	20.15	1.88	-6.49	-4.61	-30.69	2.07	20.16	1.88	-8.43	-6.55
	17	0.04	-28.98	2.11	20.15	1.88	-6.68	-4.80	-30.24	2.07	20.16	1.88	-7.97	-6.09

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arr Gain, Arr Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 17, 2024
Temperature / Humidity 25 deg. C / 28 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 26-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]					5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]				
6565	0	0.19	0.13	0.32	-5.00	-	-	0.29	0.20	0.49	-3.12	-1.00	2.12
	8	0.18	0.13	0.32	-5.00	-	-	0.28	0.20	0.49	-3.12	-1.00	2.12
	17	0.19	0.13	0.33	-4.87	-	-	0.30	0.20	0.50	-2.99	-1.00	1.99
6685	0	0.21	0.14	0.35	-4.52	-	-	0.33	0.22	0.54	-2.64	-1.00	1.64
	8	0.20	0.13	0.32	-4.90	-	-	0.30	0.20	0.50	-3.02	-1.00	2.02
	17	0.21	0.13	0.34	-4.66	-	-	0.32	0.20	0.53	-2.78	-1.00	1.78
6845	0	0.15	0.10	0.24	-6.12	-	-	0.23	0.15	0.38	-4.24	-1.00	3.24
	8	0.15	0.09	0.23	-6.35	-	-	0.22	0.13	0.36	-4.47	-1.00	3.47
	17	0.15	0.09	0.24	-6.14	-	-	0.23	0.14	0.37	-4.26	-1.00	3.26
6885	0	0.31	0.17	0.47	-3.25	-	-	0.47	0.25	0.73	-1.37	-1.00	0.37
	8	0.24	0.16	0.40	-3.96	-	-	0.38	0.24	0.62	-2.08	-1.00	1.08
	17	0.27	0.17	0.43	-3.62	-	-	0.41	0.26	0.67	-1.74	-1.00	0.74
6925	0	0.28	0.16	0.44	-3.56	-	-	0.44	0.24	0.68	-1.68	-1.00	0.68
	8	0.24	0.14	0.38	-4.15	-	-	0.37	0.22	0.59	-2.27	-1.00	1.27
	17	0.28	0.14	0.42	-3.72	-	-	0.44	0.22	0.66	-1.84	-1.00	0.84
7005	0	0.21	0.13	0.34	-4.72	-	-	0.32	0.20	0.52	-2.84	-1.00	1.84
	8	0.21	0.11	0.32	-4.92	-	-	0.32	0.18	0.50	-3.04	-1.00	2.04
	17	0.21	0.13	0.34	-4.71	-	-	0.33	0.19	0.52	-2.83	-1.00	1.83
7085	0	0.21	0.11	0.32	-4.91	-	-	0.33	0.17	0.50	-3.03	-1.00	2.03
	8	0.17	0.10	0.27	-5.76	-	-	0.26	0.15	0.41	-3.88	-1.00	2.88
	17	0.17	0.11	0.28	-5.50	-	-	0.27	0.17	0.43	-3.62	-1.00	2.62

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	5G_CH0					5G_CH1					PSD Result				
			PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. [dBm/MHz]	e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. [dBm/MHz]	e.i.r.p. [dBm/MHz]			
6565	0	0.04	-29.66	2.14	20.15	1.88	-7.32	-5.44	-31.12	2.10	20.16	1.88	-8.82	-6.94			
	8	0.04	-29.68	2.14	20.15	1.88	-7.35	-5.47	-31.09	2.10	20.16	1.88	-8.79	-6.91			
	17	0.04	-29.48	2.14	20.15	1.88	-7.14	-5.26	-31.06	2.10	20.16	1.88	-8.76	-6.88			
6685	0	0.04	-29.08	2.17	20.15	1.88	-6.72	-4.84	-30.84	2.10	20.16	1.88	-8.54	-6.66			
	8	0.04	-29.46	2.17	20.15	1.88	-7.10	-5.22	-31.21	2.10	20.16	1.88	-8.90	-7.02			
	17	0.04	-29.14	2.17	20.15	1.88	-6.78	-4.90	-31.08	2.10	20.16	1.88	-8.77	-6.89			
6845	0	0.04	-30.71	2.20	20.15	1.88	-8.32	-6.44	-32.44	2.11	20.16	1.88	-10.13	-8.25			
	8	0.04	-30.76	2.20	20.15	1.88	-8.37	-6.49	-32.95	2.11	20.16	1.88	-10.64	-8.76			
	17	0.04	-30.63	2.20	20.15	1.88	-8.24	-6.36	-32.62	2.11	20.16	1.88	-10.32	-8.44			
6885	0	0.04	-27.52	2.21	20.15	1.88	-5.12	-3.24	-30.12	2.11	20.16	1.88	-7.82	-5.94			
	8	0.04	-28.51	2.21	20.15	1.88	-6.11	-4.23	-30.35	2.11	20.16	1.88	-8.04	-6.16			
	17	0.04	-28.16	2.21	20.15	1.88	-5.76	-3.88	-30.03	2.11	20.16	1.88	-7.72	-5.84			
6925	0	0.04	-27.93	2.25	20.15	1.88	-5.49	-3.61	-30.33	2.14	20.16	1.88	-8.00	-6.12			
	8	0.04	-28.63	2.25	20.15	1.88	-6.19	-4.31	-30.74	2.14	20.16	1.88	-8.41	-6.53			
	17	0.04	-27.92	2.25	20.15	1.88	-5.48	-3.60	-30.82	2.14	20.16	1.88	-8.48	-6.60			
7005	0	0.04	-29.31	2.26	20.15	1.88	-6.86	-4.98	-31.16	2.14	20.16	1.88	-8.82	-6.94			
	8	0.04	-29.28	2.26	20.15	1.88	-6.83	-4.95	-31.76	2.14	20.16	1.88	-9.42	-7.54			
	17	0.04	-29.19	2.26	20.15	1.88	-6.74	-4.86	-31.34	2.14	20.16	1.88	-9.00	-7.12			
7085	0	0.04	-29.20	2.29	20.15	1.88	-6.72	-4.84	-31.92	2.15	20.16	1.88	-9.58	-7.70			
	8	0.04	-30.18	2.29	20.15	1.88	-7.70	-5.82	-32.54	2.15	20.16	1.88	-10.20	-8.32			
	17	0.04	-30.08	2.29	20.15	1.88	-7.59	-5.71	-32.02	2.15	20.16	1.88	-9.68	-7.80			

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 20, 2024
Temperature / Humidity 23 deg. C / 44 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-40 (OFDMA) 52-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0	5G_CH1	Sum				5G_CH0	5G_CH1	Sum			
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5965	37	0.25	0.23	0.48	-3.18	-	-	0.39	0.36	0.74	-1.30	-1.00	0.30
	40	0.23	0.21	0.44	-3.52	-	-	0.36	0.32	0.69	-1.64	-1.00	0.64
	44	0.24	0.22	0.46	-3.40	-	-	0.36	0.34	0.70	-1.52	-1.00	0.52
6205	37	0.20	0.18	0.39	-4.14	-	-	0.31	0.28	0.59	-2.26	-1.00	1.26
	40	0.20	0.18	0.38	-4.22	-	-	0.31	0.27	0.58	-2.34	-1.00	1.34
	44	0.22	0.19	0.42	-3.82	-	-	0.34	0.30	0.64	-1.94	-1.00	0.94
6405	37	0.27	0.19	0.45	-3.43	-	-	0.41	0.29	0.70	-1.55	-1.00	0.55
	40	0.25	0.20	0.44	-3.52	-	-	0.38	0.30	0.69	-1.64	-1.00	0.64
	44	0.26	0.21	0.47	-3.24	-	-	0.40	0.33	0.73	-1.36	-1.00	0.36
6445	37	0.15	0.12	0.27	-5.68	-	-	0.23	0.18	0.42	-3.80	-1.00	2.80
	40	0.15	0.12	0.27	-5.73	-	-	0.23	0.18	0.41	-3.85	-1.00	2.85
	44	0.15	0.12	0.26	-5.77	-	-	0.23	0.18	0.41	-3.89	-1.00	2.89
6485	37	0.14	0.11	0.25	-6.00	-	-	0.21	0.18	0.39	-4.12	-1.00	3.12
	40	0.14	0.11	0.25	-6.07	-	-	0.22	0.17	0.38	-4.19	-1.00	3.19
	44	0.14	0.12	0.26	-5.88	-	-	0.21	0.18	0.40	-4.00	-1.00	3.00
6525	37	0.14	0.10	0.24	-6.26	-	-	0.22	0.15	0.36	-4.38	-1.00	3.38
	40	0.15	0.10	0.25	-6.03	-	-	0.23	0.15	0.38	-4.15	-1.00	3.15
	44	0.17	0.11	0.28	-5.56	-	-	0.26	0.17	0.43	-3.68	-1.00	2.68

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5965	37	0.08	-28.22	1.96	20.17	1.88	-6.01	-4.13	-28.62	2.00	20.16	1.88	-6.37	-4.49
	40	0.08	-28.51	1.96	20.17	1.88	-6.30	-4.42	-29.02	2.00	20.16	1.88	-6.78	-4.90
	44	0.08	-28.50	1.96	20.17	1.88	-6.28	-4.40	-28.79	2.00	20.16	1.88	-6.55	-4.67
6205	37	0.08	-29.21	2.01	20.16	1.88	-6.95	-5.07	-29.61	2.02	20.16	1.88	-7.35	-5.47
	40	0.08	-29.22	2.01	20.16	1.88	-6.97	-5.09	-29.78	2.02	20.16	1.88	-7.52	-5.64
	44	0.08	-28.76	2.01	20.16	1.88	-6.50	-4.62	-29.44	2.02	20.16	1.88	-7.18	-5.30
6405	37	0.08	-28.05	2.06	20.16	1.88	-5.75	-3.87	-29.53	2.04	20.16	1.88	-7.26	-5.38
	40	0.08	-28.34	2.06	20.16	1.88	-6.04	-4.16	-29.36	2.04	20.16	1.88	-7.08	-5.20
	44	0.08	-28.10	2.06	20.16	1.88	-5.81	-3.93	-29.03	2.04	20.16	1.88	-6.75	-4.87
6445	37	0.08	-30.50	2.09	20.16	1.88	-8.17	-6.29	-31.58	2.06	20.16	1.88	-9.27	-7.39
	40	0.08	-30.60	2.09	20.16	1.88	-8.27	-6.39	-31.55	2.06	20.16	1.88	-9.25	-7.37
	44	0.08	-30.61	2.09	20.16	1.88	-8.29	-6.41	-31.64	2.06	20.16	1.88	-9.33	-7.45
6485	37	0.08	-30.96	2.10	20.15	1.88	-8.63	-6.75	-31.73	2.06	20.16	1.88	-9.43	-7.55
	40	0.08	-30.88	2.10	20.15	1.88	-8.54	-6.66	-32.00	2.06	20.16	1.88	-9.70	-7.82
	44	0.08	-30.89	2.10	20.15	1.88	-8.56	-6.68	-31.56	2.06	20.16	1.88	-9.25	-7.37
6525	37	0.08	-30.85	2.11	20.15	1.88	-8.51	-6.63	-32.51	2.07	20.16	1.88	-10.20	-8.32
	40	0.08	-30.57	2.11	20.15	1.88	-8.23	-6.35	-32.34	2.07	20.16	1.88	-10.03	-8.15
	44	0.08	-30.14	2.11	20.15	1.88	-7.79	-5.91	-31.83	2.07	20.16	1.88	-9.53	-7.65

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arr Gain, Arr Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 20, 2024
Temperature / Humidity 23 deg. C / 44 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-40 (OFDMA) 52-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna		Sum	Result	Limit	Margin		Antenna		Sum	Result	Limit	Margin	
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]						5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]					
6565	37	0.19	0.13	0.32	-4.91	-	-		0.30	0.20	0.50	-3.03	-1.00	2.03	
	40	0.21	0.13	0.33	-4.75	-	-		0.32	0.20	0.52	-2.87	-1.00	1.87	
	44	0.21	0.13	0.34	-4.67	-	-		0.32	0.20	0.53	-2.79	-1.00	1.79	
6685	37	0.23	0.14	0.37	-4.35	-	-		0.35	0.21	0.57	-2.47	-1.00	1.47	
	40	0.20	0.13	0.33	-4.79	-	-		0.31	0.20	0.51	-2.91	-1.00	1.91	
	44	0.20	0.15	0.35	-4.60	-	-		0.31	0.22	0.53	-2.72	-1.00	1.72	
6845	37	0.16	0.10	0.27	-5.71	-	-		0.25	0.16	0.41	-3.83	-1.00	2.83	
	40	0.15	0.09	0.24	-6.18	-	-		0.23	0.14	0.37	-4.30	-1.00	3.30	
	44	0.16	0.10	0.25	-6.00	-	-		0.24	0.15	0.39	-4.12	-1.00	3.12	
6885	37	0.18	0.10	0.29	-5.43	-	-		0.29	0.16	0.44	-3.55	-1.00	2.55	
	40	0.17	0.11	0.27	-5.63	-	-		0.26	0.17	0.42	-3.75	-1.00	2.75	
	44	0.18	0.11	0.29	-5.39	-	-		0.28	0.16	0.45	-3.51	-1.00	2.51	
6925	37	0.18	0.10	0.28	-5.46	-	-		0.28	0.16	0.44	-3.58	-1.00	2.58	
	40	0.17	0.10	0.27	-5.71	-	-		0.26	0.16	0.41	-3.83	-1.00	2.83	
	44	0.18	0.10	0.28	-5.52	-	-		0.28	0.16	0.43	-3.64	-1.00	2.64	
7005	37	0.17	0.09	0.26	-5.80	-	-		0.27	0.14	0.41	-3.92	-1.00	2.92	
	40	0.16	0.09	0.25	-6.02	-	-		0.24	0.14	0.39	-4.14	-1.00	3.14	
	44	0.16	0.09	0.26	-5.91	-	-		0.25	0.15	0.40	-4.03	-1.00	3.03	
7085	37	0.15	0.08	0.23	-6.35	-	-		0.23	0.13	0.36	-4.47	-1.00	3.47	
	40	0.14	0.08	0.22	-6.66	-	-		0.21	0.12	0.33	-4.78	-1.00	3.78	
	44	0.13	0.08	0.21	-6.82	-	-		0.20	0.12	0.32	-4.94	-1.00	3.94	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	5G_CH0							5G_CH1						
			PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result			PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		
			[dBm/MHz]	[dB]	[dB]	[dBi]	Cond.	e.i.r.p.		[dBm/MHz]	[dB]	[dB]	[dBi]	Cond.	e.i.r.p.	
6565	37	0.08	-29.51	2.14	20.15	1.88	-7.13	-5.25		-31.22	2.10	20.16	1.88	-8.88	-7.00	
	40	0.08	-29.22	2.14	20.15	1.88	-6.84	-4.96		-31.27	2.10	20.16	1.88	-8.93	-7.05	
	44	0.08	-29.15	2.14	20.15	1.88	-6.77	-4.89		-31.18	2.10	20.16	1.88	-8.84	-6.96	
6685	37	0.08	-28.83	2.17	20.15	1.88	-6.43	-4.55		-30.90	2.10	20.16	1.88	-8.56	-6.68	
	40	0.08	-29.30	2.17	20.15	1.88	-6.90	-5.02		-31.28	2.10	20.16	1.88	-8.93	-7.05	
	44	0.08	-29.37	2.17	20.15	1.88	-6.96	-5.08		-30.72	2.10	20.16	1.88	-8.37	-6.49	
6845	37	0.08	-30.29	2.20	20.15	1.88	-7.86	-5.98		-32.14	2.11	20.16	1.88	-9.79	-7.91	
	40	0.08	-30.70	2.20	20.15	1.88	-8.26	-6.38		-32.73	2.11	20.16	1.88	-10.38	-8.50	
	44	0.08	-30.52	2.20	20.15	1.88	-8.09	-6.21		-32.53	2.11	20.16	1.88	-10.19	-8.31	
6885	37	0.08	-29.77	2.21	20.15	1.88	-7.33	-5.45		-32.27	2.11	20.16	1.88	-9.93	-8.05	
	40	0.08	-30.23	2.21	20.15	1.88	-7.79	-5.91		-32.04	2.11	20.16	1.88	-9.69	-7.81	
	44	0.08	-29.80	2.21	20.15	1.88	-7.36	-5.48		-32.12	2.11	20.16	1.88	-9.77	-7.89	
6925	37	0.08	-29.89	2.25	20.15	1.88	-7.41	-5.53		-32.27	2.14	20.16	1.88	-9.89	-8.01	
	40	0.08	-30.28	2.25	20.15	1.88	-7.80	-5.92		-32.26	2.14	20.16	1.88	-9.89	-8.01	
	44	0.08	-29.95	2.25	20.15	1.88	-7.47	-5.59		-32.32	2.14	20.16	1.88	-9.94	-8.06	
7005	37	0.08	-30.14	2.26	20.15	1.88	-7.65	-5.77		-32.79	2.14	20.16	1.88	-10.41	-8.53	
	40	0.08	-30.55	2.26	20.15	1.88	-8.06	-6.18		-32.66	2.14	20.16	1.88	-10.28	-8.40	
	44	0.08	-30.40	2.26	20.15	1.88	-7.91	-6.03		-32.62	2.14	20.16	1.88	-10.24	-8.36	
7085	37	0.08	-30.76	2.29	20.15	1.88	-8.24	-6.36		-33.26	2.15	20.16	1.88	-10.87	-8.99	
	40	0.08	-31.09	2.29	20.15	1.88	-8.57	-6.69		-33.52	2.15	20.16	1.88	-11.14	-9.26	
	44	0.08	-31.32	2.29	20.15	1.88	-8.80	-6.92		-33.56	2.15	20.16	1.88	-11.18	-9.30	

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 20, 2024
Temperature / Humidity 23 deg. C / 44 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-40 (OFDMA) 106-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0	5G_CH1	Sum				5G_CH0	5G_CH1	Sum			
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5965	53	0.16	0.13	0.29	-5.43	-	-	0.24	0.20	0.44	-3.55	-1.00	2.55
	54	0.15	0.13	0.28	-5.48	-	-	0.23	0.20	0.44	-3.60	-1.00	2.60
	56	0.15	0.13	0.28	-5.59	-	-	0.23	0.20	0.43	-3.71	-1.00	2.71
6205	53	0.14	0.12	0.26	-5.87	-	-	0.22	0.18	0.40	-3.99	-1.00	2.99
	54	0.15	0.11	0.26	-5.85	-	-	0.23	0.17	0.40	-3.97	-1.00	2.97
	56	0.15	0.13	0.28	-5.54	-	-	0.23	0.20	0.43	-3.66	-1.00	2.66
6405	53	0.13	0.11	0.24	-6.22	-	-	0.20	0.17	0.37	-4.34	-1.00	3.34
	54	0.13	0.10	0.23	-6.47	-	-	0.20	0.15	0.35	-4.59	-1.00	3.59
	56	0.12	0.09	0.21	-6.70	-	-	0.19	0.14	0.33	-4.82	-1.00	3.82
6445	53	0.18	0.14	0.32	-4.89	-	-	0.28	0.22	0.50	-3.01	-1.00	2.01
	54	0.18	0.14	0.32	-4.95	-	-	0.27	0.22	0.49	-3.07	-1.00	2.07
	56	0.18	0.14	0.32	-4.96	-	-	0.27	0.22	0.49	-3.08	-1.00	2.08
6485	53	0.17	0.14	0.31	-5.10	-	-	0.27	0.21	0.48	-3.22	-1.00	2.22
	54	0.17	0.13	0.31	-5.12	-	-	0.27	0.21	0.47	-3.24	-1.00	2.24
	56	0.18	0.13	0.31	-5.15	-	-	0.27	0.20	0.47	-3.27	-1.00	2.27
6525	53	0.18	0.12	0.30	-5.30	-	-	0.27	0.18	0.46	-3.42	-1.00	2.42
	54	0.16	0.12	0.28	-5.56	-	-	0.25	0.18	0.43	-3.68	-1.00	2.68
	56	0.17	0.12	0.29	-5.42	-	-	0.26	0.19	0.44	-3.54	-1.00	2.54

Tested Frequency	RU Index	5G_CH0							5G_CH1						
		Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		
		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond.	e.i.r.p.	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond.	e.i.r.p.	
5965	53	0.01	-30.23	1.96	20.17	1.88	-8.08	-6.20	-31.00	2.00	20.16	1.88	-8.83	-6.95	
	54	0.01	-30.38	1.96	20.17	1.88	-8.24	-6.36	-30.94	2.00	20.16	1.88	-8.76	-6.88	
	56	0.01	-30.46	1.96	20.17	1.88	-8.32	-6.44	-31.08	2.00	20.16	1.88	-8.90	-7.02	
6205	53	0.01	-30.66	2.01	20.16	1.88	-8.48	-6.60	-31.52	2.02	20.16	1.88	-9.33	-7.45	
	54	0.01	-30.47	2.01	20.16	1.88	-8.28	-6.40	-31.72	2.02	20.16	1.88	-9.53	-7.65	
	56	0.01	-30.36	2.01	20.16	1.88	-8.17	-6.29	-31.16	2.02	20.16	1.88	-8.97	-7.09	
6405	53	0.01	-31.06	2.06	20.16	1.88	-8.83	-6.95	-31.87	2.04	20.16	1.88	-9.66	-7.78	
	54	0.01	-31.17	2.06	20.16	1.88	-8.94	-7.06	-32.29	2.04	20.16	1.88	-10.09	-8.21	
	56	0.01	-31.41	2.06	20.16	1.88	-9.19	-7.31	-32.51	2.04	20.16	1.88	-10.30	-8.42	
6445	53	0.01	-29.63	2.09	20.16	1.88	-7.38	-5.50	-30.73	2.06	20.16	1.88	-8.50	-6.62	
	54	0.01	-29.76	2.09	20.16	1.88	-7.51	-5.63	-30.69	2.06	20.16	1.88	-8.46	-6.58	
	56	0.01	-29.77	2.09	20.16	1.88	-7.51	-5.63	-30.72	2.06	20.16	1.88	-8.48	-6.60	
6485	53	0.01	-29.89	2.10	20.15	1.88	-7.63	-5.75	-30.90	2.06	20.16	1.88	-8.66	-6.78	
	54	0.01	-29.86	2.10	20.15	1.88	-7.60	-5.72	-30.98	2.06	20.16	1.88	-8.75	-6.87	
	56	0.01	-29.80	2.10	20.15	1.88	-7.54	-5.66	-31.11	2.06	20.16	1.88	-8.88	-7.00	
6525	53	0.01	-29.80	2.11	20.15	1.88	-7.53	-5.65	-31.49	2.07	20.16	1.88	-9.26	-7.38	
	54	0.01	-30.19	2.11	20.15	1.88	-7.92	-6.04	-31.58	2.07	20.16	1.88	-9.35	-7.47	
	56	0.01	-30.05	2.11	20.15	1.88	-7.78	-5.90	-31.44	2.07	20.16	1.88	-9.20	-7.32	

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 20, 2024
Temperature / Humidity 23 deg. C / 44 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-40 (OFDMA) 106-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]					5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]				
6565	53	0.14	0.09	0.23	-6.32	-	-	0.22	0.14	0.36	-4.44	-1.00	3.44
	54	0.14	0.09	0.23	-6.36	-	-	0.21	0.14	0.36	-4.48	-1.00	3.48
	56	0.16	0.10	0.25	-5.98	-	-	0.24	0.15	0.39	-4.10	-1.00	3.10
6685	53	0.16	0.10	0.27	-5.75	-	-	0.25	0.16	0.41	-3.87	-1.00	2.87
	54	0.16	0.10	0.26	-5.88	-	-	0.24	0.16	0.40	-4.00	-1.00	3.00
	56	0.15	0.09	0.25	-6.07	-	-	0.24	0.14	0.38	-4.19	-1.00	3.19
6845	53	0.12	0.07	0.19	-7.25	-	-	0.18	0.11	0.29	-5.37	-1.00	4.37
	54	0.11	0.07	0.18	-7.42	-	-	0.17	0.10	0.28	-5.54	-1.00	4.54
	56	0.11	0.07	0.18	-7.48	-	-	0.17	0.10	0.28	-5.60	-1.00	4.60
6885	53	0.12	0.07	0.19	-7.20	-	-	0.19	0.11	0.29	-5.32	-1.00	4.32
	54	0.12	0.07	0.19	-7.29	-	-	0.18	0.10	0.29	-5.41	-1.00	4.41
	56	0.12	0.07	0.18	-7.37	-	-	0.18	0.10	0.28	-5.49	-1.00	4.49
6925	53	0.12	0.07	0.19	-7.29	-	-	0.18	0.10	0.29	-5.41	-1.00	4.41
	54	0.12	0.06	0.18	-7.46	-	-	0.18	0.10	0.28	-5.58	-1.00	4.58
	56	0.11	0.07	0.18	-7.38	-	-	0.17	0.11	0.28	-5.50	-1.00	4.50
7005	53	0.11	0.06	0.17	-7.69	-	-	0.17	0.10	0.26	-5.81	-1.00	4.81
	54	0.11	0.06	0.17	-7.77	-	-	0.16	0.10	0.26	-5.89	-1.00	4.89
	56	0.10	0.06	0.17	-7.80	-	-	0.16	0.09	0.26	-5.92	-1.00	4.92
7085	53	0.09	0.05	0.15	-8.32	-	-	0.14	0.08	0.23	-6.44	-1.00	5.44
	54	0.09	0.05	0.14	-8.45	-	-	0.14	0.08	0.22	-6.57	-1.00	5.57
	56	0.09	0.05	0.14	-8.51	-	-	0.14	0.08	0.22	-6.63	-1.00	5.63

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	5G_CH0						5G_CH1					
			PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
6565	53	0.01	-30.86	2.14	20.15	1.88	-8.55	-6.67	-32.55	2.10	20.16	1.88	-10.28	-8.40
	54	0.01	-30.90	2.14	20.15	1.88	-8.59	-6.71	-32.58	2.10	20.16	1.88	-10.32	-8.44
	56	0.01	-30.40	2.14	20.15	1.88	-8.09	-6.21	-32.39	2.10	20.16	1.88	-10.12	-8.24
6685	53	0.01	-30.18	2.17	20.15	1.88	-7.85	-5.97	-32.19	2.10	20.16	1.88	-9.92	-8.04
	54	0.01	-30.41	2.17	20.15	1.88	-8.08	-6.20	-32.17	2.10	20.16	1.88	-9.90	-8.02
	56	0.01	-30.43	2.17	20.15	1.88	-8.10	-6.22	-32.63	2.10	20.16	1.88	-10.35	-8.47
6845	53	0.01	-31.64	2.20	20.15	1.88	-9.28	-7.40	-33.81	2.11	20.16	1.88	-11.53	-9.65
	54	0.01	-31.82	2.20	20.15	1.88	-9.46	-7.58	-33.96	2.11	20.16	1.88	-11.68	-9.80
	56	0.01	-31.81	2.20	20.15	1.88	-9.45	-7.57	-34.13	2.11	20.16	1.88	-11.85	-9.97
6885	53	0.01	-31.53	2.21	20.15	1.88	-9.16	-7.28	-33.88	2.11	20.16	1.88	-11.60	-9.72
	54	0.01	-31.58	2.21	20.15	1.88	-9.21	-7.33	-34.02	2.11	20.16	1.88	-11.75	-9.87
	56	0.01	-31.67	2.21	20.15	1.88	-9.30	-7.42	-34.08	2.11	20.16	1.88	-11.80	-9.92
6925	53	0.01	-31.64	2.25	20.15	1.88	-9.23	-7.35	-34.03	2.14	20.16	1.88	-11.72	-9.84
	54	0.01	-31.78	2.25	20.15	1.88	-9.38	-7.50	-34.26	2.14	20.16	1.88	-11.95	-10.07
	56	0.01	-31.88	2.25	20.15	1.88	-9.48	-7.60	-33.85	2.14	20.16	1.88	-11.54	-9.66
7005	53	0.01	-32.08	2.26	20.15	1.88	-9.66	-7.78	-34.36	2.14	20.16	1.88	-12.05	-10.17
	54	0.01	-32.20	2.26	20.15	1.88	-9.78	-7.90	-34.38	2.14	20.16	1.88	-12.07	-10.19
	56	0.01	-32.23	2.26	20.15	1.88	-9.81	-7.93	-34.43	2.14	20.16	1.88	-12.12	-10.24
7085	53	0.01	-32.73	2.29	20.15	1.88	-10.27	-8.39	-35.06	2.15	20.16	1.88	-12.74	-10.86
	54	0.01	-32.74	2.29	20.15	1.88	-10.29	-8.41	-35.38	2.15	20.16	1.88	-13.07	-11.19
	56	0.01	-32.82	2.29	20.15	1.88	-10.37	-8.49	-35.40	2.15	20.16	1.88	-13.09	-11.21

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date March 21, 2024
Temperature / Humidity 23 deg. C / 44 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 242-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0	5G_CH1	Sum				5G_CH0	5G_CH1	Sum			
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5965	61	0.17	0.19	0.36	-4.46	-	-	0.27	0.29	0.55	-2.58	-1.00	1.58
	62	0.18	0.19	0.37	-4.29	-	-	0.28	0.30	0.57	-2.41	-1.00	1.41
6205	61	0.16	0.16	0.32	-4.97	-	-	0.25	0.25	0.49	-3.09	-1.00	2.09
	62	0.16	0.16	0.32	-4.93	-	-	0.25	0.25	0.50	-3.05	-1.00	2.05
6405	61	0.17	0.18	0.34	-4.64	-	-	0.26	0.27	0.53	-2.76	-1.00	1.76
	62	0.16	0.17	0.33	-4.86	-	-	0.25	0.26	0.50	-2.98	-1.00	1.98
6445	61	0.14	0.15	0.30	-5.28	-	-	0.22	0.24	0.46	-3.40	-1.00	2.40
	62	0.14	0.14	0.28	-5.56	-	-	0.21	0.22	0.43	-3.68	-1.00	2.68
6485	61	0.14	0.15	0.30	-5.28	-	-	0.22	0.24	0.46	-3.40	-1.00	2.40
	62	0.14	0.15	0.29	-5.43	-	-	0.21	0.23	0.44	-3.55	-1.00	2.55
6525	61	0.14	0.13	0.27	-5.65	-	-	0.21	0.21	0.42	-3.77	-1.00	2.77
	62	0.14	0.13	0.27	-5.72	-	-	0.21	0.20	0.41	-3.84	-1.00	2.84

Tested Frequency	RU Index	Duty Factor	5G_CH0					5G_CH1					PSD Result	
			PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
			[dBm/MHz]	[dB]	[dB]	[dBi]			[dBm/MHz]	[dB]	[dB]	[dBi]		
5965	61	0.03	-29.81	1.96	20.17	1.88	-7.64	-5.76	-29.51	2.00	20.16	1.88	-7.31	-5.43
	62	0.03	-29.60	1.96	20.17	1.88	-7.43	-5.55	-29.38	2.00	20.16	1.88	-7.18	-5.30
6205	61	0.03	-30.19	2.01	20.16	1.88	-7.99	-6.11	-30.18	2.02	20.16	1.88	-7.97	-6.09
	62	0.03	-30.11	2.01	20.16	1.88	-7.90	-6.02	-30.18	2.02	20.16	1.88	-7.97	-6.09
6405	61	0.03	-29.99	2.06	20.16	1.88	-7.74	-5.86	-29.78	2.04	20.16	1.88	-7.55	-5.67
	62	0.03	-30.19	2.06	20.16	1.88	-7.94	-6.06	-30.03	2.04	20.16	1.88	-7.80	-5.92
6445	61	0.03	-30.69	2.09	20.16	1.88	-8.42	-6.54	-30.41	2.06	20.16	1.88	-8.16	-6.28
	62	0.03	-30.86	2.09	20.16	1.88	-8.59	-6.71	-30.80	2.06	20.16	1.88	-8.55	-6.67
6485	61	0.03	-30.73	2.10	20.15	1.88	-8.45	-6.57	-30.40	2.06	20.16	1.88	-8.14	-6.26
	62	0.03	-30.86	2.10	20.15	1.88	-8.58	-6.70	-30.56	2.06	20.16	1.88	-8.31	-6.43
6525	61	0.03	-30.87	2.11	20.15	1.88	-8.58	-6.70	-31.00	2.07	20.16	1.88	-8.74	-6.86
	62	0.03	-30.86	2.11	20.15	1.88	-8.57	-6.69	-31.16	2.07	20.16	1.88	-8.90	-7.02

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date March 21, 2024
Temperature / Humidity 23 deg. C / 44 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 242-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna		Sum	Result	Limit	Margin		Antenna		Sum	Result	Limit	Margin	
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]						5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]					
6565	61	0.17	0.17	0.34	-4.66	-	-	-	0.27	0.26	0.53	-2.78	-1.00	1.78	
	62	0.17	0.16	0.33	-4.84	-	-	-	0.26	0.25	0.51	-2.96	-1.00	1.96	
6685	61	0.18	0.17	0.34	-4.64	-	-	-	0.27	0.26	0.53	-2.76	-1.00	1.76	
	62	0.17	0.16	0.33	-4.82	-	-	-	0.26	0.24	0.51	-2.94	-1.00	1.94	
6845	61	0.18	0.15	0.32	-4.89	-	-	-	0.27	0.23	0.50	-3.01	-1.00	2.01	
	62	0.16	0.14	0.30	-5.22	-	-	-	0.25	0.21	0.46	-3.34	-1.00	2.34	
6885	61	0.24	0.18	0.42	-3.79	-	-	-	0.37	0.28	0.64	-1.91	-1.00	0.91	
	62	0.22	0.17	0.39	-4.07	-	-	-	0.35	0.26	0.60	-2.19	-1.00	1.19	
6925	61	0.23	0.17	0.40	-3.94	-	-	-	0.35	0.27	0.62	-2.06	-1.00	1.06	
	62	0.21	0.17	0.38	-4.21	-	-	-	0.32	0.26	0.58	-2.33	-1.00	1.33	
7005	61	0.21	0.17	0.37	-4.30	-	-	-	0.32	0.26	0.57	-2.42	-1.00	1.42	
	62	0.19	0.15	0.35	-4.60	-	-	-	0.30	0.24	0.53	-2.72	-1.00	1.72	
7085	61	0.19	0.14	0.33	-4.76	-	-	-	0.30	0.22	0.52	-2.88	-1.00	1.88	
	62	0.17	0.14	0.31	-5.12	-	-	-	0.27	0.21	0.47	-3.24	-1.00	2.24	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	5G_CH0					5G_CH1					PSD Result				
			PSD Reading	Cable Loss	Atten. Loss	Directional Gain	Cond.	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	Cond.	e.i.r.p.			
			[dBm/MHz]	[dB]	[dB]	[dBi]			[dBm/MHz]	[dB]	[dB]	[dBi]					
6565	61	0.03	-29.94	2.14	20.15	1.88	-7.62	-5.74	-30.01	2.10	20.16	1.88	-7.72	-5.84			
	62	0.03	-30.04	2.14	20.15	1.88	-7.71	-5.83	-30.28	2.10	20.16	1.88	-7.99	-6.11			
6685	61	0.03	-29.88	2.17	20.15	1.88	-7.53	-5.65	-30.06	2.10	20.16	1.88	-7.77	-5.89			
	62	0.03	-30.00	2.17	20.15	1.88	-7.65	-5.77	-30.31	2.10	20.16	1.88	-8.02	-6.14			
6845	61	0.03	-29.94	2.20	20.15	1.88	-7.56	-5.68	-30.55	2.11	20.16	1.88	-8.26	-6.38			
	62	0.03	-30.23	2.20	20.15	1.88	-7.85	-5.97	-30.96	2.11	20.16	1.88	-8.66	-6.78			
6885	61	0.03	-28.63	2.21	20.15	1.88	-6.24	-4.36	-29.74	2.11	20.16	1.88	-7.45	-5.57			
	62	0.03	-28.88	2.21	20.15	1.88	-6.49	-4.61	-30.05	2.11	20.16	1.88	-7.76	-5.88			
6925	61	0.03	-28.84	2.25	20.15	1.88	-6.41	-4.53	-29.90	2.14	20.16	1.88	-7.57	-5.69			
	62	0.03	-29.22	2.25	20.15	1.88	-6.79	-4.91	-30.02	2.14	20.16	1.88	-7.70	-5.82			
7005	61	0.03	-29.31	2.26	20.15	1.88	-6.86	-4.98	-30.14	2.14	20.16	1.88	-7.81	-5.93			
	62	0.03	-29.58	2.26	20.15	1.88	-7.14	-5.26	-30.48	2.14	20.16	1.88	-8.15	-6.27			
7085	61	0.03	-29.62	2.29	20.15	1.88	-7.14	-5.26	-30.83	2.15	20.16	1.88	-8.49	-6.61			
	62	0.03	-30.11	2.29	20.15	1.88	-7.64	-5.76	-31.01	2.15	20.16	1.88	-8.68	-6.80			

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 15, 2024
Temperature / Humidity 24 deg. C / 47 % RH
Engineer Yuta Shiba
Mode Tx 11ax-40 (OFDMA) 484-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
5965	65	0.23	0.23	0.45	-3.43	-	-	0.35	0.35	0.70	-1.55	-1.00	0.55
6205	65	0.22	0.16	0.37	-4.27	-	-	0.34	0.24	0.58	-2.39	-1.00	1.39
6405	65	0.25	0.25	0.51	-2.96	-	-	0.39	0.39	0.78	-1.08	-1.00	0.08
6445	65	0.24	0.24	0.48	-3.21	-	-	0.36	0.37	0.74	-1.33	-1.00	0.33
6485	65	0.24	0.24	0.48	-3.23	-	-	0.37	0.36	0.73	-1.35	-1.00	0.35
6525	65	0.25	0.22	0.48	-3.23	-	-	0.39	0.34	0.73	-1.35	-1.00	0.35

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5965	65	0.06	-28.67	1.96	20.17	1.88	-6.47	-4.59	-28.63	2.00	20.16	1.88	-6.40	-4.52
6205	65	0.06	-28.84	2.01	20.16	1.88	-6.60	-4.72	-30.32	2.02	20.16	1.88	-8.08	-6.20
6405	65	0.06	-28.27	2.06	20.16	1.88	-5.99	-4.11	-28.21	2.04	20.16	1.88	-5.95	-4.07
6445	65	0.06	-28.56	2.09	20.16	1.88	-6.26	-4.38	-28.46	2.06	20.16	1.88	-6.18	-4.30
6485	65	0.06	-28.51	2.10	20.15	1.88	-6.19	-4.31	-28.57	2.06	20.16	1.88	-6.28	-4.40
6525	65	0.06	-28.28	2.11	20.15	1.88	-5.96	-4.08	-28.83	2.07	20.16	1.88	-6.54	-4.66

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Ary Gain, Ary Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
6565	65	0.11	0.22	0.34	-4.70	-	-	0.18	0.35	0.52	-2.82	-1.00	1.82
6685	65	0.23	0.25	0.48	-3.16	-	-	0.36	0.39	0.74	-1.28	-1.00	0.28
6845	65	0.19	0.15	0.34	-4.68	-	-	0.29	0.24	0.52	-2.80	-1.00	1.80
6885	65	0.22	0.17	0.38	-4.16	-	-	0.33	0.26	0.59	-2.28	-1.00	1.28
6925	65	0.28	0.21	0.49	-3.11	-	-	0.43	0.32	0.75	-1.23	-1.00	0.23
7005	65	0.26	0.19	0.45	-3.42	-	-	0.41	0.29	0.70	-1.54	-1.00	0.54
7085	65	0.23	0.19	0.42	-3.81	-	-	0.35	0.29	0.64	-1.93	-1.00	0.93

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6565	65	0.06	-31.78	2.14	20.15	1.88	-9.42	-7.54	-28.81	2.10	20.16	1.88	-6.49	-4.61
6685	65	0.06	-28.71	2.17	20.15	1.88	-6.33	-4.45	-28.35	2.10	20.16	1.88	-6.02	-4.14
6845	65	0.06	-29.74	2.20	20.15	1.88	-7.33	-5.45	-30.42	2.11	20.16	1.88	-8.10	-6.22
6885	65	0.06	-29.05	2.21	20.15	1.88	-6.63	-4.75	-30.12	2.11	20.16	1.88	-7.79	-5.91
6925	65	0.06	-28.00	2.25	20.15	1.88	-5.54	-3.66	-29.14	2.14	20.16	1.88	-6.78	-4.90
7005	65	0.06	-28.26	2.26	20.15	1.88	-5.79	-3.91	-29.56	2.14	20.16	1.88	-7.20	-5.32
7085	65	0.06	-28.90	2.29	20.15	1.88	-6.40	-4.52	-29.65	2.15	20.16	1.88	-7.29	-5.41

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Ary Gain, Ary Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 17, 2024
Temperature / Humidity 26 deg. C / 31 % RH
Engineer Yuta Shiba
Mode Tx 11ax-80 (OFDM) (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
[MHz]	5G_CH0	5G_CH1					5G_CH0	5G_CH1				
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5985	0.19	0.20	0.38	-4.16	-	-	0.29	0.31	0.59	-2.28	-1.00	1.28
6225	0.18	0.16	0.34	-4.65	-	-	0.28	0.25	0.53	-2.77	-1.00	1.77
6385	0.21	0.23	0.44	-3.58	-	-	0.33	0.35	0.68	-1.70	-1.00	0.70
6465	0.22	0.24	0.46	-3.36	-	-	0.34	0.37	0.71	-1.48	-1.00	0.48
6545	0.22	0.19	0.41	-3.86	-	-	0.34	0.29	0.63	-1.98	-1.00	0.98
6625	0.22	0.22	0.43	-3.62	-	-	0.33	0.33	0.67	-1.74	-1.00	0.74
6705	0.21	0.20	0.41	-3.89	-	-	0.32	0.31	0.63	-2.01	-1.00	1.01
6785	0.23	0.18	0.41	-3.84	-	-	0.35	0.28	0.64	-1.96	-1.00	0.96
6865	0.23	0.19	0.42	-3.79	-	-	0.35	0.29	0.64	-1.91	-1.00	0.91
6945	0.22	0.16	0.38	-4.20	-	-	0.33	0.25	0.59	-2.32	-1.00	1.32
7025	0.19	0.14	0.33	-4.84	-	-	0.29	0.21	0.51	-2.96	-1.00	1.96

		5G_CH0						5G_CH1					
Tested Frequency	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
						Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5985	0.01	-29.45	1.96	20.17	1.88	-7.30	-5.42	-29.21	2.00	20.16	1.88	-7.03	-5.15
6225	0.01	-29.61	2.01	20.16	1.88	-7.42	-5.54	-30.10	2.02	20.16	1.88	-7.91	-6.03
6385	0.01	-28.94	2.05	20.16	1.88	-6.71	-4.83	-28.67	2.03	20.16	1.88	-6.47	-4.59
6465	0.01	-28.80	2.09	20.16	1.88	-6.54	-4.66	-28.44	2.06	20.16	1.88	-6.21	-4.33
6545	0.01	-28.85	2.14	20.15	1.88	-6.54	-4.66	-29.50	2.10	20.16	1.88	-7.23	-5.35
6625	0.01	-28.96	2.16	20.15	1.88	-6.64	-4.76	-28.90	2.10	20.16	1.88	-6.63	-4.75
6705	0.01	-29.11	2.17	20.15	1.88	-6.77	-4.89	-29.30	2.10	20.16	1.88	-7.03	-5.15
6785	0.01	-28.77	2.19	20.15	1.88	-6.42	-4.54	-29.61	2.11	20.16	1.88	-7.34	-5.46
6865	0.01	-28.76	2.20	20.15	1.88	-6.40	-4.52	-29.51	2.11	20.16	1.88	-7.23	-5.35
6945	0.01	-29.06	2.25	20.15	1.88	-6.65	-4.77	-30.17	2.14	20.16	1.88	-7.86	-5.98
7025	0.01	-29.63	2.27	20.15	1.88	-7.20	-5.32	-30.93	2.14	20.16	1.88	-8.62	-6.74

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 20, 2024
Temperature / Humidity 23 deg. C / 44 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-80 (OFDMA) 26-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
5985	0	0.15	0.13	0.29	-5.44	-	-	0.24	0.20	0.44	-3.56	-1.00	2.56
	18	0.10	0.09	0.19	-7.10	-	-	0.16	0.14	0.30	-5.22	-1.00	4.22
	36	0.13	0.12	0.25	-6.03	-	-	0.21	0.18	0.38	-4.15	-1.00	3.15
6225	0	0.16	0.15	0.31	-5.10	-	-	0.25	0.23	0.48	-3.22	-1.00	2.22
	18	0.14	0.12	0.26	-5.83	-	-	0.22	0.19	0.40	-3.95	-1.00	2.95
	36	0.20	0.17	0.37	-4.32	-	-	0.31	0.26	0.57	-2.44	-1.00	1.44
6385	0	0.13	0.12	0.25	-6.07	-	-	0.20	0.18	0.38	-4.19	-1.00	3.19
	18	0.10	0.07	0.17	-7.59	-	-	0.15	0.12	0.27	-5.71	-1.00	4.71
	36	0.12	0.10	0.22	-6.63	-	-	0.18	0.16	0.34	-4.75	-1.00	3.75
6465	0	0.17	0.12	0.29	-5.40	-	-	0.25	0.19	0.44	-3.52	-1.00	2.52
	18	0.12	0.10	0.22	-6.60	-	-	0.19	0.15	0.34	-4.72	-1.00	3.72
	36	0.16	0.11	0.27	-5.69	-	-	0.24	0.18	0.42	-3.81	-1.00	2.81

5G_CH0														5G_CH1													
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.													
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]													
5985	0	0.04	-30.31	1.96	20.17	1.88	-8.14	-6.26	-31.00	2.00	20.16	1.88	-8.79	-6.91													
	18	0.04	-32.08	1.96	20.17	1.88	-9.91	-8.03	-32.53	2.00	20.16	1.88	-10.33	-8.45													
	36	0.04	-30.89	1.96	20.17	1.88	-8.72	-6.84	-31.58	2.00	20.16	1.88	-9.38	-7.50													
6225	0	0.04	-30.15	2.01	20.16	1.88	-7.93	-6.05	-30.53	2.02	20.16	1.88	-8.31	-6.43													
	18	0.04	-30.72	2.01	20.16	1.88	-8.50	-6.62	-31.42	2.02	20.16	1.88	-9.20	-7.32													
	36	0.04	-29.22	2.01	20.16	1.88	-7.00	-5.12	-29.91	2.02	20.16	1.88	-7.69	-5.81													
6385	0	0.04	-31.08	2.05	20.16	1.88	-8.82	-6.94	-31.60	2.03	20.16	1.88	-9.36	-7.48													
	18	0.04	-32.28	2.05	20.16	1.88	-10.03	-8.15	-33.50	2.03	20.16	1.88	-11.26	-9.38													
	36	0.04	-31.63	2.05	20.16	1.88	-9.38	-7.50	-32.15	2.03	20.16	1.88	-9.91	-8.03													
6465	0	0.04	-30.11	2.09	20.16	1.88	-7.82	-5.94	-31.36	2.06	20.16	1.88	-9.10	-7.22													
	18	0.04	-31.38	2.09	20.16	1.88	-9.09	-7.21	-32.46	2.06	20.16	1.88	-10.20	-8.32													
	36	0.04	-30.35	2.09	20.16	1.88	-8.06	-6.18	-31.71	2.06	20.16	1.88	-9.45	-7.57													

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 20, 2024
Temperature / Humidity 23 deg. C / 44 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-80 (OFDMA) 26-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]		Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]						5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]					
6545	0	0.19	0.13	0.31	-5.03	-	-		0.29	0.19	0.48	-3.16	-1.00	2.16	
	18	0.15	0.09	0.24	-6.13	-	-		0.23	0.15	0.38	-4.26	-1.00	3.26	
	36	0.20	0.13	0.33	-4.83	-	-		0.30	0.20	0.51	-2.96	-1.00	1.96	
6625	0	0.22	0.14	0.37	-4.34	-	-		0.34	0.22	0.57	-2.46	-1.00	1.46	
	18	0.16	0.12	0.27	-5.63	-	-		0.24	0.18	0.42	-3.75	-1.00	2.75	
	36	0.20	0.14	0.34	-4.74	-	-		0.30	0.21	0.52	-2.86	-1.00	1.86	
6705	0	0.24	0.14	0.38	-4.25	-	-		0.37	0.21	0.58	-2.37	-1.00	1.37	
	18	0.15	0.10	0.25	-6.03	-	-		0.23	0.15	0.38	-4.15	-1.00	3.15	
	36	0.17	0.12	0.28	-5.50	-	-		0.26	0.18	0.43	-3.62	-1.00	2.62	
6785	0	0.20	0.13	0.33	-4.80	-	-		0.31	0.20	0.51	-2.92	-1.00	1.92	
	18	0.13	0.09	0.22	-6.57	-	-		0.20	0.14	0.34	-4.69	-1.00	3.69	
	36	0.16	0.09	0.25	-6.10	-	-		0.24	0.14	0.38	-4.22	-1.00	3.22	
6865	0	0.16	0.09	0.25	-5.96	-	-		0.25	0.15	0.39	-4.08	-1.00	3.08	
	18	0.12	0.07	0.19	-7.15	-	-		0.19	0.11	0.30	-5.27	-1.00	4.27	
	36	0.15	0.10	0.25	-5.95	-	-		0.24	0.15	0.39	-4.07	-1.00	3.07	
6945	0	0.19	0.09	0.28	-5.49	-	-		0.29	0.15	0.44	-3.61	-1.00	2.61	
	18	0.13	0.07	0.20	-6.89	-	-		0.20	0.11	0.32	-5.01	-1.00	4.01	
	36	0.18	0.10	0.28	-5.52	-	-		0.27	0.16	0.43	-3.64	-1.00	2.64	
7025	0	0.17	0.09	0.26	-5.88	-	-		0.26	0.14	0.40	-4.00	-1.00	3.00	
	18	0.13	0.07	0.20	-7.01	-	-		0.20	0.11	0.31	-5.13	-1.00	4.13	
	36	0.14	0.09	0.23	-6.40	-	-		0.22	0.14	0.35	-4.52	-1.00	3.52	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	5G_CH0							5G_CH1						
			PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]		PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	
6545	0	0.04	-29.58	2.14	20.15	1.88	-7.25	-5.37		-31.30	2.10	20.16	1.88	-9.00	-7.12	
	18	0.04	-30.60	2.14	20.15	1.88	-8.26	-6.38		-32.53	2.10	20.16	1.88	-10.23	-8.35	
	36	0.04	-29.39	2.14	20.15	1.88	-7.06	-5.18		-31.08	2.10	20.16	1.88	-8.78	-6.90	
6625	0	0.04	-28.87	2.16	20.15	1.88	-6.52	-4.64		-30.70	2.10	20.16	1.88	-8.40	-6.52	
	18	0.04	-30.43	2.16	20.15	1.88	-8.08	-6.20		-31.59	2.10	20.16	1.88	-9.29	-7.41	
	36	0.04	-29.40	2.16	20.15	1.88	-7.05	-5.17		-30.88	2.10	20.16	1.88	-8.58	-6.70	
6705	0	0.04	-28.62	2.17	20.15	1.88	-6.25	-4.37		-30.89	2.10	20.16	1.88	-8.58	-6.70	
	18	0.04	-30.57	2.17	20.15	1.88	-8.20	-6.32		-32.39	2.10	20.16	1.88	-10.08	-8.20	
	36	0.04	-30.17	2.17	20.15	1.88	-7.80	-5.92		-31.65	2.10	20.16	1.88	-9.35	-7.47	
6785	0	0.04	-29.39	2.19	20.15	1.88	-7.01	-5.13		-31.09	2.11	20.16	1.88	-8.78	-6.90	
	18	0.04	-31.16	2.19	20.15	1.88	-8.78	-6.90		-32.88	2.11	20.16	1.88	-10.57	-8.69	
	36	0.04	-30.43	2.19	20.15	1.88	-8.04	-6.16		-32.83	2.11	20.16	1.88	-10.53	-8.65	
6865	0	0.04	-30.38	2.20	20.15	1.88	-7.98	-6.10		-32.55	2.11	20.16	1.88	-10.24	-8.36	
	18	0.04	-31.59	2.20	20.15	1.88	-9.20	-7.32		-33.70	2.11	20.16	1.88	-11.39	-9.51	
	36	0.04	-30.50	2.20	20.15	1.88	-8.10	-6.22		-32.33	2.11	20.16	1.88	-10.03	-8.15	
6945	0	0.04	-29.69	2.25	20.15	1.88	-7.25	-5.37		-32.60	2.14	20.16	1.88	-10.26	-8.38	
	18	0.04	-31.28	2.25	20.15	1.88	-8.83	-6.95		-33.65	2.14	20.16	1.88	-11.32	-9.44	
	36	0.04	-29.96	2.25	20.15	1.88	-7.51	-5.63		-32.21	2.14	20.16	1.88	-9.87	-7.99	
7025	0	0.04	-30.21	2.27	20.15	1.88	-7.75	-5.87		-32.78	2.14	20.16	1.88	-10.43	-8.55	
	18	0.04	-31.40	2.27	20.15	1.88	-8.94	-7.06		-33.81	2.14	20.16	1.88	-11.47	-9.59	
	36	0.04	-30.97	2.27	20.15	1.88	-8.50	-6.62		-32.91	2.14	20.16	1.88	-10.57	-8.69	

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 20, 2024
Temperature / Humidity 23 deg. C / 44 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-80 (OFDMA) 52-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
5985	37	0.15	0.12	0.27	-5.66	-	-	0.23	0.19	0.42	-3.78	-1.00	2.78
	44	0.14	0.12	0.26	-5.85	-	-	0.22	0.18	0.40	-3.97	-1.00	2.97
	52	0.13	0.12	0.25	-5.96	-	-	0.21	0.18	0.39	-4.08	-1.00	3.08
6225	37	0.18	0.16	0.33	-4.78	-	-	0.27	0.24	0.51	-2.90	-1.00	1.90
	44	0.20	0.16	0.37	-4.35	-	-	0.31	0.25	0.57	-2.47	-1.00	1.47
	52	0.20	0.18	0.38	-4.19	-	-	0.31	0.28	0.59	-2.31	-1.00	1.31
6385	37	0.14	0.12	0.26	-5.86	-	-	0.21	0.19	0.40	-3.98	-1.00	2.98
	44	0.13	0.11	0.24	-6.27	-	-	0.20	0.17	0.36	-4.39	-1.00	3.39
	52	0.12	0.11	0.22	-6.50	-	-	0.18	0.16	0.35	-4.62	-1.00	3.62
6465	37	0.15	0.13	0.28	-5.56	-	-	0.23	0.20	0.43	-3.68	-1.00	2.68
	44	0.15	0.12	0.26	-5.83	-	-	0.22	0.18	0.40	-3.95	-1.00	2.95
	52	0.15	0.13	0.28	-5.45	-	-	0.23	0.21	0.44	-3.57	-1.00	2.57

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5985	37	0.03	-30.48	1.96	20.17	1.88	-8.31	-6.43	-31.26	2.00	20.16	1.88	-9.06	-7.18
	44	0.03	-30.60	1.96	20.17	1.88	-8.44	-6.56	-31.52	2.00	20.16	1.88	-9.33	-7.45
	52	0.03	-30.89	1.96	20.17	1.88	-8.73	-6.85	-31.41	2.00	20.16	1.88	-9.22	-7.34
6225	37	0.03	-29.78	2.01	20.16	1.88	-7.57	-5.69	-30.24	2.02	20.16	1.88	-8.03	-6.15
	44	0.03	-29.11	2.01	20.16	1.88	-6.90	-5.02	-30.09	2.02	20.16	1.88	-7.87	-5.99
	52	0.03	-29.23	2.01	20.16	1.88	-7.02	-5.14	-29.60	2.02	20.16	1.88	-7.39	-5.51
6385	37	0.03	-30.85	2.05	20.16	1.88	-8.60	-6.72	-31.37	2.03	20.16	1.88	-9.15	-7.27
	44	0.03	-31.17	2.05	20.16	1.88	-8.93	-7.05	-31.88	2.03	20.16	1.88	-9.66	-7.78
	52	0.03	-31.49	2.05	20.16	1.88	-9.25	-7.37	-32.01	2.03	20.16	1.88	-9.78	-7.90
6465	37	0.03	-30.52	2.09	20.16	1.88	-8.25	-6.37	-31.17	2.06	20.16	1.88	-8.91	-7.03
	44	0.03	-30.64	2.09	20.16	1.88	-8.36	-6.48	-31.64	2.06	20.16	1.88	-9.39	-7.51
	52	0.03	-30.51	2.09	20.16	1.88	-8.23	-6.35	-30.96	2.06	20.16	1.88	-8.71	-6.83

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 20, 2024
Temperature / Humidity 23 deg. C / 44 % RH
Engineer Masahide Ozaki
Mode Tx 11ax-80 (OFDMA) 52-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]					5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]				
6545	37	0.17	0.11	0.29	-5.39	-	-	0.27	0.18	0.44	-3.52	-1.00	2.52
	44	0.18	0.13	0.30	-5.16	-	-	0.27	0.20	0.47	-3.29	-1.00	2.29
	52	0.19	0.14	0.32	-4.92	-	-	0.29	0.21	0.50	-3.05	-1.00	2.05
6625	37	0.21	0.15	0.36	-4.48	-	-	0.33	0.22	0.55	-2.60	-1.00	1.60
	44	0.21	0.15	0.36	-4.46	-	-	0.32	0.23	0.55	-2.58	-1.00	1.58
	52	0.20	0.14	0.34	-4.69	-	-	0.31	0.22	0.52	-2.81	-1.00	1.81
6705	37	0.24	0.14	0.38	-4.22	-	-	0.37	0.22	0.58	-2.34	-1.00	1.34
	44	0.19	0.13	0.32	-4.95	-	-	0.29	0.20	0.49	-3.07	-1.00	2.07
	52	0.18	0.11	0.29	-5.41	-	-	0.27	0.17	0.44	-3.53	-1.00	2.53
6785	37	0.19	0.13	0.32	-4.96	-	-	0.29	0.20	0.49	-3.08	-1.00	2.08
	44	0.16	0.11	0.27	-5.67	-	-	0.24	0.17	0.42	-3.79	-1.00	2.79
	52	0.15	0.10	0.25	-6.00	-	-	0.23	0.15	0.39	-4.12	-1.00	3.12
6865	37	0.16	0.11	0.27	-5.67	-	-	0.25	0.17	0.42	-3.79	-1.00	2.79
	44	0.16	0.10	0.26	-5.92	-	-	0.24	0.15	0.39	-4.04	-1.00	3.04
	52	0.15	0.10	0.25	-6.08	-	-	0.23	0.15	0.38	-4.20	-1.00	3.20
6945	37	0.19	0.10	0.30	-5.29	-	-	0.30	0.16	0.46	-3.41	-1.00	2.41
	44	0.18	0.10	0.27	-5.62	-	-	0.27	0.15	0.42	-3.74	-1.00	2.74
	52	0.17	0.10	0.28	-5.53	-	-	0.27	0.16	0.43	-3.65	-1.00	2.65
7025	37	0.17	0.10	0.28	-5.59	-	-	0.27	0.16	0.43	-3.71	-1.00	2.71
	44	0.16	0.09	0.25	-6.06	-	-	0.25	0.13	0.38	-4.18	-1.00	3.18
	52	0.15	0.08	0.23	-6.40	-	-	0.23	0.12	0.35	-4.52	-1.00	3.52

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	5G_CH0						5G_CH1					
			PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
6545	37	0.03	-29.93	2.14	20.15	1.88	-7.60	-5.72	-31.76	2.10	20.16	1.88	-9.47	-7.59
	44	0.03	-29.89	2.14	20.15	1.88	-7.56	-5.68	-31.24	2.10	20.16	1.88	-8.95	-7.07
	52	0.03	-29.66	2.14	20.15	1.88	-7.34	-5.46	-30.97	2.10	20.16	1.88	-8.68	-6.80
6625	37	0.03	-29.09	2.16	20.15	1.88	-6.75	-4.87	-30.68	2.10	20.16	1.88	-8.39	-6.51
	44	0.03	-29.10	2.16	20.15	1.88	-6.76	-4.88	-30.59	2.10	20.16	1.88	-8.30	-6.42
	52	0.03	-29.35	2.16	20.15	1.88	-7.01	-5.13	-30.82	2.10	20.16	1.88	-8.53	-6.65
6705	37	0.03	-28.60	2.17	20.15	1.88	-6.24	-4.36	-30.80	2.10	20.16	1.88	-8.50	-6.62
	44	0.03	-29.56	2.17	20.15	1.88	-7.20	-5.32	-31.17	2.10	20.16	1.88	-8.88	-7.00
	52	0.03	-29.87	2.17	20.15	1.88	-7.52	-5.64	-31.85	2.10	20.16	1.88	-9.55	-7.67
6785	37	0.03	-29.61	2.19	20.15	1.88	-7.24	-5.36	-31.15	2.11	20.16	1.88	-8.85	-6.97
	44	0.03	-30.39	2.19	20.15	1.88	-8.02	-6.14	-31.75	2.11	20.16	1.88	-9.46	-7.58
	52	0.03	-30.57	2.19	20.15	1.88	-8.20	-6.32	-32.31	2.11	20.16	1.88	-10.02	-8.14
6865	37	0.03	-30.25	2.20	20.15	1.88	-7.86	-5.98	-31.99	2.11	20.16	1.88	-9.70	-7.82
	44	0.03	-30.40	2.20	20.15	1.88	-8.02	-6.14	-32.39	2.11	20.16	1.88	-10.09	-8.21
	52	0.03	-30.64	2.20	20.15	1.88	-8.25	-6.37	-32.43	2.11	20.16	1.88	-10.13	-8.25
6945	37	0.03	-29.60	2.25	20.15	1.88	-7.17	-5.29	-32.17	2.14	20.16	1.88	-9.84	-7.96
	44	0.03	-29.93	2.25	20.15	1.88	-7.50	-5.62	-32.50	2.14	20.16	1.88	-10.17	-8.29
	52	0.03	-30.00	2.25	20.15	1.88	-7.57	-5.69	-32.12	2.14	20.16	1.88	-9.79	-7.91
7025	37	0.03	-30.05	2.27	20.15	1.88	-7.60	-5.72	-32.24	2.14	20.16	1.88	-9.91	-8.03
	44	0.03	-30.38	2.27	20.15	1.88	-7.93	-6.05	-32.96	2.14	20.16	1.88	-10.63	-8.75
	52	0.03	-30.70	2.27	20.15	1.88	-8.25	-6.37	-33.33	2.14	20.16	1.88	-11.00	-9.12

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 21, 2024
Temperature / Humidity 24 deg. C / 48 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80 (OFDMA) 106-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
5985	53	0.12	0.11	0.22	-6.51	-	-	0.18	0.16	0.34	-4.63	-1.00	3.63
	56	0.11	0.09	0.20	-6.90	-	-	0.17	0.14	0.31	-5.02	-1.00	4.02
	60	0.10	0.10	0.20	-6.92	-	-	0.16	0.15	0.31	-5.04	-1.00	4.04
6225	53	0.13	0.11	0.25	-6.09	-	-	0.20	0.18	0.38	-4.21	-1.00	3.21
	56	0.15	0.12	0.27	-5.72	-	-	0.23	0.18	0.41	-3.84	-1.00	2.84
	60	0.16	0.13	0.29	-5.36	-	-	0.25	0.20	0.45	-3.48	-1.00	2.48
6385	53	0.11	0.09	0.21	-6.85	-	-	0.17	0.15	0.32	-4.97	-1.00	3.97
	56	0.10	0.08	0.19	-7.31	-	-	0.16	0.13	0.29	-5.43	-1.00	4.43
	60	0.10	0.07	0.18	-7.54	-	-	0.16	0.11	0.27	-5.66	-1.00	4.66
6465	53	0.12	0.09	0.21	-6.77	-	-	0.18	0.14	0.32	-4.89	-1.00	3.89
	56	0.11	0.09	0.20	-7.02	-	-	0.17	0.13	0.31	-5.14	-1.00	4.14
	60	0.12	0.10	0.22	-6.59	-	-	0.18	0.15	0.34	-4.71	-1.00	3.71

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5985	53	0.01	-31.46	1.96	20.17	1.88	-9.32	-7.44	-31.91	2.00	20.16	1.88	-9.74	-7.86
	56	0.01	-31.69	1.96	20.17	1.88	-9.55	-7.67	-32.48	2.00	20.16	1.88	-10.30	-8.42
	60	0.01	-31.96	1.96	20.17	1.88	-9.82	-7.94	-32.23	2.00	20.16	1.88	-10.05	-8.17
6225	53	0.01	-30.98	2.01	20.16	1.88	-8.79	-6.91	-31.62	2.02	20.16	1.88	-9.43	-7.55
	56	0.01	-30.46	2.01	20.16	1.88	-8.27	-6.39	-31.43	2.02	20.16	1.88	-9.24	-7.36
	60	0.01	-30.13	2.01	20.16	1.88	-7.94	-6.06	-31.04	2.02	20.16	1.88	-8.85	-6.97
6385	53	0.01	-31.74	2.05	20.16	1.88	-9.52	-7.64	-32.44	2.03	20.16	1.88	-10.23	-8.35
	56	0.01	-32.17	2.05	20.16	1.88	-9.95	-8.07	-32.93	2.03	20.16	1.88	-10.73	-8.85
	60	0.01	-32.12	2.05	20.16	1.88	-9.90	-8.02	-33.53	2.03	20.16	1.88	-11.32	-9.44
6465	53	0.01	-31.56	2.09	20.16	1.88	-9.30	-7.42	-32.57	2.06	20.16	1.88	-10.33	-8.45
	56	0.01	-31.74	2.09	20.16	1.88	-9.49	-7.61	-32.90	2.06	20.16	1.88	-10.66	-8.78
	60	0.01	-31.47	2.09	20.16	1.88	-9.21	-7.33	-32.25	2.06	20.16	1.88	-10.02	-8.14

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 21, 2024
Temperature / Humidity 24 deg. C / 48 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80 (OFDMA) 106-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]					5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]				
6545	53	0.15	0.10	0.26	-5.90	-	-	0.23	0.16	0.40	-4.03	-1.00	3.03
	56	0.14	0.09	0.24	-6.28	-	-	0.22	0.14	0.36	-4.41	-1.00	3.41
	60	0.13	0.08	0.21	-6.74	-	-	0.20	0.13	0.33	-4.87	-1.00	3.87
6625	53	0.15	0.11	0.26	-5.87	-	-	0.23	0.16	0.40	-3.99	-1.00	2.99
	56	0.15	0.10	0.26	-5.89	-	-	0.24	0.16	0.40	-4.01	-1.00	3.01
	60	0.15	0.10	0.25	-6.00	-	-	0.23	0.16	0.39	-4.12	-1.00	3.12
6705	53	0.15	0.10	0.26	-5.88	-	-	0.24	0.16	0.40	-4.00	-1.00	3.00
	56	0.14	0.09	0.24	-6.26	-	-	0.22	0.14	0.36	-4.38	-1.00	3.38
	60	0.13	0.08	0.21	-6.72	-	-	0.20	0.13	0.33	-4.84	-1.00	3.84
6785	53	0.14	0.09	0.23	-6.39	-	-	0.22	0.13	0.35	-4.51	-1.00	3.51
	56	0.12	0.08	0.20	-7.07	-	-	0.18	0.12	0.30	-5.19	-1.00	4.19
	60	0.11	0.07	0.18	-7.52	-	-	0.17	0.11	0.27	-5.64	-1.00	4.64
6865	53	0.12	0.07	0.19	-7.19	-	-	0.18	0.11	0.29	-5.31	-1.00	4.31
	56	0.12	0.07	0.18	-7.38	-	-	0.18	0.10	0.28	-5.50	-1.00	4.50
	60	0.11	0.07	0.18	-7.40	-	-	0.17	0.11	0.28	-5.52	-1.00	4.52
6945	53	0.12	0.07	0.18	-7.37	-	-	0.18	0.10	0.28	-5.49	-1.00	4.49
	56	0.11	0.06	0.18	-7.55	-	-	0.17	0.10	0.27	-5.67	-1.00	4.67
	60	0.11	0.07	0.18	-7.51	-	-	0.17	0.10	0.27	-5.63	-1.00	4.63
7025	53	0.11	0.06	0.18	-7.49	-	-	0.18	0.10	0.28	-5.61	-1.00	4.61
	56	0.10	0.06	0.16	-7.93	-	-	0.16	0.09	0.25	-6.05	-1.00	5.05
	60	0.10	0.05	0.15	-8.11	-	-	0.15	0.08	0.24	-6.23	-1.00	5.23

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6545	53	0.01	-30.47	2.14	20.15	1.88	-8.17	-6.29	-32.08	2.10	20.16	1.88	-9.82	-7.94
	56	0.01	-30.73	2.14	20.15	1.88	-8.42	-6.54	-32.65	2.10	20.16	1.88	-10.38	-8.50
	60	0.01	-31.16	2.14	20.15	1.88	-8.86	-6.98	-33.13	2.10	20.16	1.88	-10.86	-8.98
6625	53	0.01	-30.50	2.16	20.15	1.88	-8.18	-6.30	-31.98	2.10	20.16	1.88	-9.71	-7.83
	56	0.01	-30.47	2.16	20.15	1.88	-8.15	-6.27	-32.07	2.10	20.16	1.88	-9.80	-7.92
	60	0.01	-30.62	2.16	20.15	1.88	-8.30	-6.42	-32.14	2.10	20.16	1.88	-9.87	-7.99
6705	53	0.01	-30.47	2.17	20.15	1.88	-8.14	-6.26	-32.08	2.10	20.16	1.88	-9.81	-7.93
	56	0.01	-30.73	2.17	20.15	1.88	-8.39	-6.51	-32.65	2.10	20.16	1.88	-10.37	-8.49
	60	0.01	-31.16	2.17	20.15	1.88	-8.83	-6.95	-33.13	2.10	20.16	1.88	-10.86	-8.98
6785	53	0.01	-30.81	2.19	20.15	1.88	-8.46	-6.58	-32.87	2.11	20.16	1.88	-10.59	-8.71
	56	0.01	-31.58	2.19	20.15	1.88	-9.23	-7.35	-33.42	2.11	20.16	1.88	-11.14	-9.26
	60	0.01	-32.01	2.19	20.15	1.88	-9.66	-7.78	-33.89	2.11	20.16	1.88	-11.62	-9.74
6865	53	0.01	-31.64	2.20	20.15	1.88	-9.27	-7.39	-33.66	2.11	20.16	1.88	-11.38	-9.50
	56	0.01	-31.67	2.20	20.15	1.88	-9.30	-7.42	-34.13	2.11	20.16	1.88	-11.86	-9.98
	60	0.01	-31.92	2.20	20.15	1.88	-9.55	-7.67	-33.76	2.11	20.16	1.88	-11.48	-9.60
6945	53	0.01	-31.74	2.25	20.15	1.88	-9.33	-7.45	-34.08	2.14	20.16	1.88	-11.77	-9.89
	56	0.01	-31.90	2.25	20.15	1.88	-9.49	-7.61	-34.31	2.14	20.16	1.88	-12.00	-10.12
	60	0.01	-31.95	2.25	20.15	1.88	-9.54	-7.66	-34.09	2.14	20.16	1.88	-11.78	-9.90
7025	53	0.01	-31.83	2.27	20.15	1.88	-9.40	-7.52	-34.28	2.14	20.16	1.88	-11.97	-10.09
	56	0.01	-32.28	2.27	20.15	1.88	-9.85	-7.97	-34.72	2.14	20.16	1.88	-12.41	-10.53
	60	0.01	-32.44	2.27	20.15	1.88	-10.01	-8.13	-34.93	2.14	20.16	1.88	-12.62	-10.74

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date March 21, 2024 April 16, 2024
Temperature / Humidity 25 deg. C / 46 % RH 26 deg. C / 31 % RH
Engineer Yuta Shiba Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 242-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
5985	61	0.16	0.16	0.32	-4.95	-	-	0.25	0.25	0.49	-3.07	-1.00	2.07
	62	0.16	0.12	0.28	-5.57	-	-	0.24	0.18	0.43	-3.69	-1.00	2.69
	64	0.17	0.17	0.34	-4.62	-	-	0.27	0.27	0.53	-2.74	-1.00	1.74
6225	61	0.15	0.15	0.30	-5.26	-	-	0.23	0.23	0.46	-3.38	-1.00	2.38
	62	0.15	0.14	0.29	-5.36	-	-	0.23	0.22	0.45	-3.48	-1.00	2.48
	64	0.16	0.15	0.31	-5.12	-	-	0.24	0.23	0.47	-3.24	-1.00	2.24
6385	61	0.16	0.16	0.32	-4.91	-	-	0.24	0.25	0.50	-3.03	-1.00	2.03
	62	0.16	0.16	0.31	-5.03	-	-	0.24	0.24	0.48	-3.15	-1.00	2.15
	64	0.16	0.15	0.30	-5.20	-	-	0.24	0.23	0.47	-3.32	-1.00	2.32
6465	61	0.15	0.16	0.30	-5.18	-	-	0.23	0.24	0.47	-3.30	-1.00	2.30
	62	0.15	0.15	0.29	-5.34	-	-	0.22	0.23	0.45	-3.46	-1.00	2.46
	64	0.14	0.14	0.28	-5.58	-	-	0.22	0.21	0.43	-3.70	-1.00	2.70

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5985	61	0.03	-30.11	1.96	20.17	1.88	-7.95	-6.07	-30.16	2.00	20.16	1.88	-7.97	-6.09
	62	0.03	-30.18	1.96	20.17	1.88	-8.01	-6.13	-31.42	2.00	20.16	1.88	-9.23	-7.35
	64	0.03	-29.79	1.96	20.17	1.88	-7.62	-5.74	-29.84	2.00	20.16	1.88	-7.64	-5.76
6225	61	0.03	-30.42	2.01	20.16	1.88	-8.21	-6.33	-30.55	2.02	20.16	1.88	-8.34	-6.46
	62	0.03	-30.52	2.01	20.16	1.88	-8.31	-6.43	-30.64	2.02	20.16	1.88	-8.43	-6.55
	64	0.03	-30.22	2.01	20.16	1.88	-8.01	-6.13	-30.45	2.02	20.16	1.88	-8.24	-6.36
6385	61	0.03	-30.25	2.05	20.16	1.88	-8.01	-6.13	-30.07	2.03	20.16	1.88	-7.84	-5.96
	62	0.03	-30.27	2.05	20.16	1.88	-8.03	-6.15	-30.29	2.03	20.16	1.88	-8.06	-6.18
	64	0.03	-30.32	2.05	20.16	1.88	-8.08	-6.20	-30.57	2.03	20.16	1.88	-8.34	-6.46
6465	61	0.03	-30.60	2.09	20.16	1.88	-8.32	-6.44	-30.32	2.06	20.16	1.88	-8.06	-6.18
	62	0.03	-30.66	2.09	20.16	1.88	-8.38	-6.50	-30.57	2.06	20.16	1.88	-8.32	-6.44
	64	0.03	-30.83	2.09	20.16	1.88	-8.55	-6.67	-30.89	2.06	20.16	1.88	-8.64	-6.76

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date March 21, 2024 April 16, 2024
Temperature / Humidity 25 deg. C / 46 % RH 26 deg. C / 31 % RH
Engineer Yuta Shiba Yuta Shiba
Mode Tx 11ax-80 (OFDMA) 242-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
6545	61	0.16	0.16	0.32	-4.99	-	-	0.25	0.24	0.49	-3.12	-1.00	2.12
	62	0.16	0.15	0.31	-5.11	-	-	0.25	0.23	0.47	-3.24	-1.00	2.24
	64	0.15	0.14	0.30	-5.30	-	-	0.23	0.22	0.45	-3.43	-1.00	2.43
6625	61	0.16	0.14	0.30	-5.20	-	-	0.25	0.22	0.47	-3.32	-1.00	2.32
	62	0.15	0.14	0.29	-5.31	-	-	0.23	0.22	0.45	-3.43	-1.00	2.43
	64	0.16	0.14	0.30	-5.25	-	-	0.24	0.22	0.46	-3.37	-1.00	2.37
6705	61	0.16	0.15	0.32	-5.00	-	-	0.25	0.24	0.49	-3.12	-1.00	2.12
	62	0.16	0.15	0.30	-5.17	-	-	0.24	0.23	0.47	-3.29	-1.00	2.29
	64	0.14	0.13	0.28	-5.56	-	-	0.22	0.21	0.43	-3.68	-1.00	2.68
6785	61	0.22	0.19	0.41	-3.82	-	-	0.34	0.30	0.64	-1.94	-1.00	0.94
	62	0.21	0.17	0.38	-4.15	-	-	0.33	0.26	0.59	-2.27	-1.00	1.27
	64	0.19	0.16	0.35	-4.57	-	-	0.29	0.24	0.54	-2.69	-1.00	1.69
6865	61	0.19	0.14	0.33	-4.84	-	-	0.29	0.21	0.51	-2.96	-1.00	1.96
	62	0.18	0.14	0.32	-4.91	-	-	0.28	0.21	0.50	-3.03	-1.00	2.03
	64	0.18	0.13	0.31	-5.16	-	-	0.28	0.20	0.47	-3.28	-1.00	2.28
6945	61	0.21	0.16	0.37	-4.29	-	-	0.33	0.25	0.57	-2.41	-1.00	1.41
	62	0.20	0.16	0.36	-4.47	-	-	0.31	0.24	0.55	-2.59	-1.00	1.59
	64	0.18	0.15	0.33	-4.87	-	-	0.28	0.22	0.50	-2.99	-1.00	1.99
7025	61	0.20	0.16	0.36	-4.43	-	-	0.31	0.24	0.56	-2.55	-1.00	1.55
	62	0.19	0.15	0.34	-4.75	-	-	0.29	0.23	0.52	-2.87	-1.00	1.87
	64	0.17	0.13	0.30	-5.22	-	-	0.26	0.20	0.46	-3.34	-1.00	2.34

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	5G_CH0						5G_CH1					
			PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
6545	61	0.03	-30.28	2.14	20.15	1.88	-7.95	-6.07	-30.35	2.10	20.16	1.88	-8.06	-6.18
	62	0.03	-30.27	2.14	20.15	1.88	-7.94	-6.06	-30.58	2.10	20.16	1.88	-8.30	-6.42
	64	0.03	-30.54	2.14	20.15	1.88	-8.22	-6.34	-30.69	2.10	20.16	1.88	-8.41	-6.53
6625	61	0.03	-30.28	2.16	20.15	1.88	-7.94	-6.06	-30.79	2.10	20.16	1.88	-8.50	-6.62
	62	0.03	-30.58	2.16	20.15	1.88	-8.24	-6.36	-30.70	2.10	20.16	1.88	-8.41	-6.53
	64	0.03	-30.40	2.16	20.15	1.88	-8.06	-6.18	-30.75	2.10	20.16	1.88	-8.46	-6.58
6705	61	0.03	-30.27	2.17	20.15	1.88	-7.91	-6.03	-30.40	2.10	20.16	1.88	-8.10	-6.22
	62	0.03	-30.36	2.17	20.15	1.88	-8.01	-6.13	-30.64	2.10	20.16	1.88	-8.35	-6.47
	64	0.03	-30.79	2.17	20.15	1.88	-8.43	-6.55	-31.00	2.10	20.16	1.88	-8.71	-6.83
6785	61	0.03	-28.95	2.19	20.15	1.88	-6.57	-4.69	-29.41	2.11	20.16	1.88	-7.11	-5.23
	62	0.03	-29.06	2.19	20.15	1.88	-6.69	-4.81	-29.98	2.11	20.16	1.88	-7.69	-5.81
	64	0.03	-29.55	2.19	20.15	1.88	-7.18	-5.30	-30.32	2.11	20.16	1.88	-8.03	-6.15
6865	61	0.03	-29.62	2.20	20.15	1.88	-7.24	-5.36	-30.85	2.11	20.16	1.88	-8.56	-6.68
	62	0.03	-29.73	2.20	20.15	1.88	-7.35	-5.47	-30.88	2.11	20.16	1.88	-8.59	-6.71
	64	0.03	-29.87	2.20	20.15	1.88	-7.49	-5.61	-31.27	2.11	20.16	1.88	-8.97	-7.09
6945	61	0.03	-29.15	2.25	20.15	1.88	-6.72	-4.84	-30.30	2.14	20.16	1.88	-7.97	-6.09
	62	0.03	-29.41	2.25	20.15	1.88	-6.98	-5.10	-30.36	2.14	20.16	1.88	-8.03	-6.15
	64	0.03	-29.88	2.25	20.15	1.88	-7.44	-5.56	-30.69	2.14	20.16	1.88	-8.36	-6.48
7025	61	0.03	-29.37	2.27	20.15	1.88	-6.92	-5.04	-30.37	2.14	20.16	1.88	-8.03	-6.15
	62	0.03	-29.70	2.27	20.15	1.88	-7.25	-5.37	-30.66	2.14	20.16	1.88	-8.32	-6.44
	64	0.03	-30.19	2.27	20.15	1.88	-7.74	-5.86	-31.12	2.14	20.16	1.88	-8.79	-6.91

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = $10 \log(\text{Number of transmit antennas} / \text{Number of spatial streams})$

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date March 21, 2024 April 16, 2024
Temperature / Humidity 25 deg. C / 46 % RH 24 deg. C / 47 % RH
Engineer Yuta Shiba Takayuki Kobayashi
Mode Tx 11ax-80 (OFDMA) 484-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		5G_CH0	5G_CH1	Sum				5G_CH0	5G_CH1	Sum			
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5985	65	0.22	0.21	0.43	-3.67	-	-	0.35	0.32	0.66	-1.79	-1.00	0.79
	66	0.21	0.20	0.40	-3.95	-	-	0.32	0.30	0.62	-2.07	-1.00	1.07
6225	65	0.20	0.17	0.37	-4.33	-	-	0.30	0.27	0.57	-2.45	-1.00	1.45
	66	0.23	0.18	0.41	-3.86	-	-	0.35	0.28	0.63	-1.98	-1.00	0.98
6385	65	0.25	0.25	0.50	-3.02	-	-	0.39	0.38	0.77	-1.14	-1.00	0.14
	66	0.27	0.24	0.51	-2.93	-	-	0.41	0.38	0.79	-1.05	-1.00	0.05
6465	65	0.23	0.23	0.45	-3.43	-	-	0.35	0.35	0.70	-1.55	-1.00	0.55
	66	0.21	0.22	0.43	-3.69	-	-	0.33	0.33	0.66	-1.81	-1.00	0.81

5G_CH0															5G_CH1														
Tested Frequency	RU Index	Duty Factor	PSD	Cable	Atten.	Directional	PSD Result		PSD	Cable	Atten.	Directional	PSD Result																
			Reading	Loss	Loss	Gain	Cond.	e.i.r.p.	Reading	Loss	Loss	Gain	Cond.	e.i.r.p.															
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]															
5985	65	0.04	-28.66	1.96	20.17	1.88	-6.48	-4.60	-29.08	2.00	20.16	1.88	-6.87	-4.99															
	66	0.04	-29.03	1.96	20.17	1.88	-6.85	-4.97	-29.28	2.00	20.16	1.88	-7.08	-5.20															
6225	65	0.04	-29.30	2.01	20.16	1.88	-7.08	-5.20	-29.84	2.02	20.16	1.88	-7.62	-5.74															
	66	0.04	-28.65	2.01	20.16	1.88	-6.43	-4.55	-29.58	2.02	20.16	1.88	-7.36	-5.48															
6385	65	0.04	-28.27	2.05	20.16	1.88	-6.01	-4.13	-28.29	2.03	20.16	1.88	-6.05	-4.17															
	66	0.04	-28.00	2.05	20.16	1.88	-5.75	-3.87	-28.37	2.03	20.16	1.88	-6.13	-4.25															
6465	65	0.04	-28.76	2.09	20.16	1.88	-6.47	-4.59	-28.68	2.06	20.16	1.88	-6.42	-4.54															
	66	0.04	-29.04	2.09	20.16	1.88	-6.75	-4.87	-28.92	2.06	20.16	1.88	-6.65	-4.77															

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = $10\log(\text{Number of transmit antennas} / \text{Number of spatial streams})$

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date March 21, 2024 April 16, 2024
Temperature / Humidity 25 deg. C / 46 % RH 24 deg. C / 47 % RH
Engineer Yuta Shiba Takayuki Kobayashi
Mode Tx 11ax-80 (OFDMA) 484-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna		Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]					5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]				
6545	65	0.27	0.23	0.50	-3.02	-	-	0.42	0.35	0.77	-1.14	-1.00	0.14
	66	0.24	0.21	0.44	-3.52	-	-	0.37	0.32	0.68	-1.64	-1.00	0.64
6625	65	0.25	0.24	0.49	-3.12	-	-	0.38	0.37	0.75	-1.24	-1.00	0.24
	66	0.23	0.20	0.44	-3.61	-	-	0.36	0.31	0.67	-1.73	-1.00	0.73
6705	65	0.23	0.19	0.41	-3.86	-	-	0.35	0.29	0.63	-1.98	-1.00	0.98
	66	0.21	0.17	0.38	-4.21	-	-	0.33	0.26	0.58	-2.33	-1.00	1.33
6785	65	0.22	0.15	0.37	-4.34	-	-	0.33	0.23	0.57	-2.46	-1.00	1.46
	66	0.20	0.16	0.36	-4.46	-	-	0.31	0.24	0.55	-2.58	-1.00	1.58
6865	65	0.24	0.17	0.41	-3.85	-	-	0.38	0.26	0.64	-1.97	-1.00	0.97
	66	0.22	0.16	0.37	-4.26	-	-	0.34	0.24	0.58	-2.38	-1.00	1.38
6945	65	0.29	0.21	0.50	-3.01	-	-	0.44	0.33	0.77	-1.13	-1.00	0.13
	66	0.26	0.18	0.44	-3.54	-	-	0.40	0.28	0.68	-1.66	-1.00	0.66
7025	65	0.28	0.19	0.47	-3.25	-	-	0.43	0.30	0.73	-1.37	-1.00	0.37
	66	0.24	0.17	0.41	-3.86	-	-	0.37	0.26	0.63	-1.98	-1.00	0.98

			5G_CH0						5G_CH1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6545	65	0.04	-28.03	2.14	20.15	1.88	-5.70	-3.82	-28.69	2.10	20.16	1.88	-6.39	-4.51
	66	0.04	-28.58	2.14	20.15	1.88	-6.24	-4.36	-29.14	2.10	20.16	1.88	-6.85	-4.97
6625	65	0.04	-28.41	2.16	20.15	1.88	-6.06	-4.18	-28.49	2.10	20.16	1.88	-6.19	-4.31
	66	0.04	-28.69	2.16	20.15	1.88	-6.34	-4.46	-29.23	2.10	20.16	1.88	-6.93	-5.05
6705	65	0.04	-28.84	2.17	20.15	1.88	-6.47	-4.59	-29.61	2.10	20.16	1.88	-7.31	-5.43
	66	0.04	-29.08	2.17	20.15	1.88	-6.71	-4.83	-30.10	2.10	20.16	1.88	-7.80	-5.92
6785	65	0.04	-29.04	2.19	20.15	1.88	-6.65	-4.77	-30.49	2.11	20.16	1.88	-8.18	-6.30
	66	0.04	-29.36	2.19	20.15	1.88	-6.98	-5.10	-30.34	2.11	20.16	1.88	-8.03	-6.15
6865	65	0.04	-28.53	2.20	20.15	1.88	-6.14	-4.26	-30.03	2.11	20.16	1.88	-7.72	-5.84
	66	0.04	-29.00	2.20	20.15	1.88	-6.61	-4.73	-30.37	2.11	20.16	1.88	-8.06	-6.18
6945	65	0.04	-27.84	2.25	20.15	1.88	-5.40	-3.52	-29.08	2.14	20.16	1.88	-6.74	-4.86
	66	0.04	-28.32	2.25	20.15	1.88	-5.88	-4.00	-29.68	2.14	20.16	1.88	-7.34	-5.46
7025	65	0.04	-28.00	2.27	20.15	1.88	-5.54	-3.66	-29.47	2.14	20.16	1.88	-7.13	-5.25
	66	0.04	-28.61	2.27	20.15	1.88	-6.15	-4.27	-30.07	2.14	20.16	1.88	-7.73	-5.85

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date March 21, 2024 April 16, 2024
Temperature / Humidity 25 deg. C / 46 % RH 24 deg. C / 47 % RH
Engineer Yuta Shiba Takayuki Kobayashi
Mode Tx 11ax-80 (OFDMA) 996-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
[MHz]		5G_CH0	5G_CH1	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	5G_CH0	5G_CH1	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5985	67	0.21	0.19	0.41	-3.88	-	-	0.33	0.30	0.63	-2.00	-1.00	1.00
6225	67	0.20	0.17	0.36	-4.41	-	-	0.30	0.26	0.56	-2.53	-1.00	1.53
6385	67	0.20	0.23	0.43	-3.62	-	-	0.32	0.35	0.67	-1.74	-1.00	0.74
6465	67	0.23	0.25	0.48	-3.16	-	-	0.36	0.38	0.75	-1.28	-1.00	0.28

5G_CH0								5G_CH1							
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond. e.i.r.p.	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond. e.i.r.p.	[dBm/MHz]	[dB]	[dB]
5985	67	0.08	-28.90	1.96	20.17	1.88	-6.69 -4.81	-29.35	2.00	20.16	1.88	-7.10 -5.22	-29.35	2.00	20.16
6225	67	0.08	-29.34	2.01	20.16	1.88	-7.08 -5.20	-30.06	2.02	20.16	1.88	-7.80 -5.92	-30.06	2.03	20.16
6385	67	0.08	-29.18	2.05	20.16	1.88	-6.89 -5.01	-28.66	2.03	20.16	1.88	-6.38 -4.50	-28.66	2.06	20.16
6465	67	0.08	-28.64	2.09	20.16	1.88	-6.31 -4.43	-28.34	2.06	20.16	1.88	-6.03 -4.15	-28.34	2.06	20.16

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
[MHz]		5G_CH0	5G_CH1	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	5G_CH0	5G_CH1	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
6545	67	0.24	0.23	0.47	-3.31	-	-	0.37	0.35	0.72	-1.43	-1.00	0.43
6625	67	0.23	0.23	0.46	-3.37	-	-	0.35	0.36	0.71	-1.49	-1.00	0.49
6705	67	0.23	0.19	0.43	-3.71	-	-	0.36	0.30	0.66	-1.83	-1.00	0.83
6785	67	0.23	0.19	0.42	-3.80	-	-	0.35	0.30	0.64	-1.92	-1.00	0.92
6865	67	0.22	0.18	0.40	-3.99	-	-	0.34	0.28	0.61	-2.11	-1.00	1.11
6945	67	0.27	0.20	0.47	-3.26	-	-	0.42	0.31	0.73	-1.38	-1.00	0.38
7025	67	0.23	0.19	0.42	-3.73	-	-	0.36	0.29	0.65	-1.85	-1.00	0.85

5G_CH0								5G_CH1							
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond. e.i.r.p.	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond. e.i.r.p.	[dBm/MHz]	[dB]	[dB]
6545	67	0.08	-28.62	2.14	20.15	1.88	-6.25 -4.37	-28.73	2.10	20.16	1.88	-6.39 -4.51	-28.73	2.10	20.16
6625	67	0.08	-28.84	2.16	20.15	1.88	-6.45 -4.57	-28.66	2.10	20.16	1.88	-6.32 -4.44	-28.66	2.10	20.16
6705	67	0.08	-28.77	2.17	20.15	1.88	-6.36 -4.48	-29.45	2.10	20.16	1.88	-7.11 -5.23	-29.45	2.11	20.16
6785	67	0.08	-28.90	2.19	20.15	1.88	-6.47 -4.59	-29.51	2.11	20.16	1.88	-7.17 -5.29	-29.51	2.11	20.16
6865	67	0.08	-29.04	2.20	20.15	1.88	-6.60 -4.72	-29.80	2.11	20.16	1.88	-7.45 -5.57	-29.80	2.14	20.16
6945	67	0.08	-28.14	2.25	20.15	1.88	-5.66 -3.78	-29.36	2.14	20.16	1.88	-6.98 -5.10	-29.36	2.14	20.16
7025	67	0.08	-28.79	2.27	20.15	1.88	-6.29 -4.41	-29.63	2.14	20.16	1.88	-7.25 -5.37	-29.63	2.14	20.16

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 17, 2024
Temperature / Humidity 26 deg. C / 31 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDM) (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna		Sum	Result	Limit	Margin	Antenna		Sum	Result	Limit	Margin
[MHz]	5G_CH0	5G_CH1					5G_CH0	5G_CH1				
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
6025	0.09	0.10	0.19	-7.24	-	-	0.14	0.15	0.29	-5.36	-1.00	4.36
6185	0.11	0.09	0.20	-7.01	-	-	0.16	0.14	0.31	-5.13	-1.00	4.13
6345	0.11	0.09	0.20	-6.97	-	-	0.16	0.15	0.31	-5.09	-1.00	4.09
6505	0.10	0.10	0.20	-6.98	-	-	0.16	0.15	0.31	-5.10	-1.00	4.10
6665	0.10	0.09	0.19	-7.30	-	-	0.15	0.13	0.29	-5.42	-1.00	4.42
6825	0.12	0.10	0.21	-6.69	-	-	0.18	0.15	0.33	-4.81	-1.00	3.81
6985	0.13	0.10	0.23	-6.31	-	-	0.20	0.16	0.36	-4.43	-1.00	3.43

		5G_CH0						5G_CH1					
Tested Frequency	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
						Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6025	0.01	-32.68	1.96	20.17	1.88	-10.54	-8.66	-32.16	2.00	20.16	1.88	-9.99	-8.11
6185	0.01	-31.95	2.00	20.17	1.88	-9.77	-7.89	-32.46	2.01	20.16	1.88	-10.28	-8.40
6345	0.01	-31.94	2.04	20.16	1.88	-9.73	-7.85	-32.46	2.03	20.16	1.88	-10.25	-8.37
6505	0.01	-32.09	2.10	20.15	1.88	-9.82	-7.94	-32.41	2.07	20.16	1.88	-10.18	-8.30
6665	0.01	-32.33	2.16	20.15	1.88	-10.01	-8.13	-32.90	2.10	20.16	1.88	-10.63	-8.75
6825	0.01	-31.67	2.20	20.15	1.88	-9.31	-7.43	-32.41	2.11	20.16	1.88	-10.13	-8.25
6985	0.01	-31.30	2.26	20.15	1.88	-8.88	-7.00	-32.13	2.14	20.16	1.88	-9.82	-7.94

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 21, 2024
Temperature / Humidity 24 deg. C / 48 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-160 (OFDMA) 26-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	Segment	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
6025	0	0	0.14	0.12	0.26	-5.90	-	-	0.22	0.18	0.40	-4.02	-1.00	3.02
	0	36	0.15	0.13	0.28	-5.53	-	-	0.23	0.20	0.43	-3.65	-1.00	2.65
	1	36	0.15	0.13	0.28	-5.53	-	-	0.22	0.21	0.43	-3.65	-1.00	2.65
6185	0	0	0.12	0.10	0.22	-6.64	-	-	0.19	0.15	0.33	-4.76	-1.00	3.76
	0	36	0.16	0.15	0.31	-5.12	-	-	0.24	0.23	0.47	-3.24	-1.00	2.24
	1	36	0.17	0.14	0.31	-5.10	-	-	0.26	0.21	0.48	-3.22	-1.00	2.22
6345	0	0	0.16	0.14	0.30	-5.22	-	-	0.25	0.21	0.46	-3.34	-1.00	2.34
	0	36	0.18	0.15	0.33	-4.79	-	-	0.28	0.23	0.51	-2.91	-1.00	1.91
	1	36	0.13	0.11	0.24	-6.21	-	-	0.20	0.17	0.37	-4.33	-1.00	3.33
6505	0	0	0.15	0.11	0.26	-5.80	-	-	0.23	0.17	0.41	-3.92	-1.00	2.92
	0	36	0.18	0.12	0.30	-5.29	-	-	0.28	0.18	0.46	-3.41	-1.00	2.41
	1	36	0.17	0.11	0.28	-5.47	-	-	0.26	0.18	0.44	-3.59	-1.00	2.59

5G_CH0										5G_CH1					
Tested Frequency	Segment	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	e.i.r.p.
[MHz]			[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6025	0	0	0.03	-30.71	1.96	20.17	1.88	-8.54	-6.66	-31.50	2.00	20.16	1.88	-9.31	-7.43
	0	36	0.03	-30.47	1.96	20.17	1.88	-8.30	-6.42	-30.99	2.00	20.16	1.88	-8.80	-6.92
	1	36	0.03	-30.53	1.96	20.17	1.88	-8.36	-6.48	-30.91	2.00	20.16	1.88	-8.72	-6.84
6185	0	0	0.03	-31.39	2.00	20.17	1.88	-9.19	-7.31	-32.37	2.01	20.16	1.88	-10.16	-8.28
	0	36	0.03	-30.23	2.00	20.17	1.88	-8.03	-6.15	-30.44	2.01	20.16	1.88	-8.23	-6.35
	1	36	0.03	-29.88	2.00	20.17	1.88	-7.68	-5.80	-30.80	2.01	20.16	1.88	-8.59	-6.71
6345	0	0	0.03	-30.06	2.04	20.16	1.88	-7.83	-5.95	-30.90	2.03	20.16	1.88	-8.68	-6.80
	0	36	0.03	-29.68	2.04	20.16	1.88	-7.45	-5.57	-30.40	2.03	20.16	1.88	-8.17	-6.29
	1	36	0.03	-31.08	2.04	20.16	1.88	-8.84	-6.96	-31.85	2.03	20.16	1.88	-9.63	-7.75
6505	0	0	0.03	-30.46	2.10	20.15	1.88	-8.17	-6.29	-31.81	2.07	20.16	1.88	-9.56	-7.68
	0	36	0.03	-29.76	2.10	20.15	1.88	-7.47	-5.59	-31.58	2.07	20.16	1.88	-9.32	-7.44
	1	36	0.03	-30.00	2.10	20.15	1.88	-7.71	-5.83	-31.66	2.07	20.16	1.88	-9.40	-7.52

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = $10\log(\text{Number of transmit antennas} / \text{Number of spatial streams})$

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 21, 2024
Temperature / Humidity 24 deg. C / 48 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-160 (OFDMA) 26-tone RU (CDD)

5G_CH0 + 5G_CH1										Applied limit: 15.407, Low Power Indoor Client					
Tested Frequency [MHz]	Segment	RU Index	PSD (Cond.)							PSD (e.i.r.p.)					
			Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin
			5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]					5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
6665	0	0	0.19	0.12	0.31	-5.07	-	-		0.30	0.18	0.48	-3.19	-1.00	2.19
	0	36	0.22	0.15	0.37	-4.34	-	-		0.33	0.23	0.57	-2.46	-1.00	1.46
	1	36	0.15	0.10	0.25	-5.99	-	-		0.23	0.16	0.39	-4.11	-1.00	3.11
6825	0	0	0.17	0.13	0.30	-5.26	-	-		0.26	0.20	0.46	-3.38	-1.00	2.38
	0	36	0.15	0.10	0.25	-5.98	-	-		0.23	0.15	0.39	-4.10	-1.00	3.10
	1	36	0.14	0.09	0.23	-6.39	-	-		0.22	0.14	0.35	-4.51	-1.00	3.51
6985	0	0	0.19	0.11	0.29	-5.37	-	-		0.29	0.16	0.45	-3.49	-1.00	2.49
	0	36	0.18	0.10	0.28	-5.50	-	-		0.28	0.16	0.43	-3.62	-1.00	2.62
	1	36	0.14	0.08	0.22	-6.57	-	-		0.22	0.12	0.34	-4.69	-1.00	3.69

Tested Frequency [MHz]	Segment	RU Index	Duty Factor [dB]	5G_CH0					5G_CH1					PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
				PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]		
6665	0	0	0.03	-29.48	2.16	20.15	1.88	-7.13	-5.25	-31.60	2.10	20.16	1.88	-9.31	-7.43
	0	36	0.03	-28.98	2.16	20.15	1.88	-6.63	-4.75	-30.49	2.10	20.16	1.88	-8.20	-6.32
	1	36	0.03	-30.59	2.16	20.15	1.88	-8.25	-6.37	-32.22	2.10	20.16	1.88	-9.93	-8.05
6825	0	0	0.03	-30.06	2.20	20.15	1.88	-7.68	-5.80	-31.26	2.11	20.16	1.88	-8.96	-7.08
	0	36	0.03	-30.56	2.20	20.15	1.88	-8.18	-6.30	-32.30	2.11	20.16	1.88	-10.00	-8.12
	1	36	0.03	-30.88	2.20	20.15	1.88	-8.51	-6.63	-32.83	2.11	20.16	1.88	-10.53	-8.65
6985	0	0	0.03	-29.75	2.26	20.15	1.88	-7.31	-5.43	-32.12	2.14	20.16	1.88	-9.79	-7.91
	0	36	0.03	-29.86	2.26	20.15	1.88	-7.43	-5.55	-32.29	2.14	20.16	1.88	-9.96	-8.08
	1	36	0.03	-30.99	2.26	20.15	1.88	-8.55	-6.67	-33.25	2.14	20.16	1.88	-10.92	-9.04

Sample Calculation:
PSD: Power Spectral Density
PSD (Conducted) Result = Reading + Cable Loss (including the Cable(s) customer supplied) + Atten. Loss+ Duty Factor
PSD (e.i.r.p.) Result = PSD (Conducted) Result + Directional Gain
Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)
Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 5, 2024 May 21, 2024
Temperature / Humidity 24 deg. C / 48 % RH 24 deg. C / 48 % RH
Engineer Yuta Shiba Yosuke Murakami
Mode Tx 11ax-160 (OFDMA) 52-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	Segment	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
6025	0	37	0.20	0.17	0.38	-4.25	-	-	0.31	0.27	0.58	-2.37	-1.00	1.37
	0	52	0.23	0.18	0.41	-3.87	-	-	0.35	0.28	0.63	-1.99	-1.00	0.99
	1	52	0.21	0.17	0.38	-4.17	-	-	0.33	0.26	0.59	-2.29	-1.00	1.29
6185	0	37	0.18	0.14	0.31	-5.02	-	-	0.27	0.21	0.49	-3.14	-1.00	2.14
	0	52	0.20	0.18	0.37	-4.28	-	-	0.30	0.27	0.58	-2.40	-1.00	1.40
	1	52	0.21	0.17	0.39	-4.14	-	-	0.33	0.26	0.59	-2.26	-1.00	1.26
6345	0	37	0.21	0.17	0.38	-4.22	-	-	0.32	0.26	0.58	-2.34	-1.00	1.34
	0	52	0.24	0.21	0.46	-3.41	-	-	0.38	0.33	0.70	-1.53	-1.00	0.53
	1	52	0.23	0.19	0.42	-3.76	-	-	0.35	0.30	0.65	-1.88	-1.00	0.88
6505	0	37	0.17	0.11	0.28	-5.49	-	-	0.27	0.17	0.44	-3.61	-1.00	2.61
	0	52	0.17	0.13	0.30	-5.29	-	-	0.26	0.20	0.46	-3.41	-1.00	2.41
	1	52	0.17	0.11	0.27	-5.65	-	-	0.26	0.16	0.42	-3.77	-1.00	2.77

			5G_CH0							5G_CH1						
Tested Frequency	Segment	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		
								Cond.	e.i.r.p.					Cond.	e.i.r.p.	
[MHz]			[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
6025	0	37	0.06	-29.12	1.96	20.17	1.88	-6.93	-5.05	-29.85	2.00	20.16	1.88	-7.62	-5.74	
	0	52	0.06	-28.60	1.96	20.17	1.88	-6.40	-4.52	-29.64	2.00	20.16	1.88	-7.42	-5.54	
	1	52	0.06	-28.93	1.96	20.17	1.88	-6.74	-4.86	-29.90	2.00	20.16	1.88	-7.68	-5.80	
6185	0	37	0.06	-29.74	2.00	20.17	1.88	-7.51	-5.63	-30.87	2.01	20.16	1.88	-8.63	-6.75	
	0	52	0.06	-29.29	2.00	20.17	1.88	-7.06	-5.18	-29.76	2.01	20.16	1.88	-7.52	-5.64	
	1	52	0.06	-28.91	2.00	20.17	1.88	-6.68	-4.80	-29.93	2.01	20.16	1.88	-7.69	-5.81	
6345	0	37	0.06	-29.11	2.04	20.16	1.88	-6.84	-4.96	-29.91	2.03	20.16	1.88	-7.66	-5.78	
	0	52	0.06	-28.39	2.04	20.16	1.88	-6.13	-4.25	-28.99	2.03	20.16	1.88	-6.74	-4.86	
	1	52	0.06	-28.72	2.04	20.16	1.88	-6.46	-4.58	-29.37	2.03	20.16	1.88	-7.11	-5.23	
6505	0	37	0.06	-29.93	2.10	20.15	1.88	-7.61	-5.73	-31.89	2.07	20.16	1.88	-9.61	-7.73	
	0	52	0.06	-30.04	2.10	20.15	1.88	-7.72	-5.84	-31.26	2.07	20.16	1.88	-8.98	-7.10	
	1	52	0.06	-30.09	2.10	20.15	1.88	-7.77	-5.89	-32.07	2.07	20.16	1.88	-9.79	-7.91	

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date April 5, 2024 May 21, 2024
Temperature / Humidity 24 deg. C / 48 % RH 24 deg. C / 48 % RH
Engineer Yuta Shiba Yosuke Murakami
Mode Tx 11ax-160 (OFDMA) 52-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	Segment	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
6665	0	37	0.22	0.14	0.37	-4.37	-	-	0.35	0.22	0.56	-2.49	-1.00	1.49
	0	52	0.24	0.15	0.39	-4.06	-	-	0.37	0.23	0.61	-2.18	-1.00	1.18
	1	52	0.16	0.11	0.27	-5.75	-	-	0.25	0.16	0.41	-3.87	-1.00	2.87
6825	0	37	0.19	0.11	0.31	-5.14	-	-	0.30	0.18	0.47	-3.26	-1.00	2.26
	0	52	0.16	0.10	0.27	-5.74	-	-	0.25	0.16	0.41	-3.86	-1.00	2.86
	1	52	0.14	0.08	0.22	-6.51	-	-	0.22	0.12	0.34	-4.63	-1.00	3.63
6985	0	37	0.19	0.11	0.30	-5.28	-	-	0.29	0.17	0.46	-3.40	-1.00	2.40
	0	52	0.20	0.11	0.31	-5.06	-	-	0.30	0.18	0.48	-3.18	-1.00	2.18
	1	52	0.14	0.09	0.23	-6.39	-	-	0.22	0.13	0.35	-4.51	-1.00	3.51

				5G CH0						5G CH1					
Tested Frequency	Segment	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	e.i.r.p.
[MHz]			[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6665	0	37	0.06	-28.86	2.16	20.15	1.88	-6.49	-4.61	-30.82	2.10	20.16	1.88	-8.49	-6.61
	0	52	0.06	-28.55	2.16	20.15	1.88	-6.17	-4.29	-30.52	2.10	20.16	1.88	-8.19	-6.31
	1	52	0.06	-30.32	2.16	20.15	1.88	-7.94	-6.06	-32.09	2.10	20.16	1.88	-9.77	-7.89
6825	0	37	0.06	-29.56	2.20	20.15	1.88	-7.15	-5.27	-31.77	2.11	20.16	1.88	-9.45	-7.57
	0	52	0.06	-30.25	2.20	20.15	1.88	-7.84	-5.96	-32.23	2.11	20.16	1.88	-9.91	-8.03
	1	52	0.06	-30.85	2.20	20.15	1.88	-8.45	-6.57	-33.28	2.11	20.16	1.88	-10.96	-9.08
6985	0	37	0.06	-29.77	2.26	20.15	1.88	-7.30	-5.42	-31.93	2.14	20.16	1.88	-9.57	-7.69
	0	52	0.06	-29.51	2.26	20.15	1.88	-7.04	-5.16	-31.78	2.14	20.16	1.88	-9.42	-7.54
	1	52	0.06	-30.90	2.26	20.15	1.88	-8.43	-6.55	-33.00	2.14	20.16	1.88	-10.64	-8.76

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 21, 2024
Temperature / Humidity 24 deg. C / 48 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-160 (OFDMA) 106-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	Segment	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]			
6025	0	53	0.13	0.11	0.24	-6.17	-	-	0.20	0.17	0.37	-4.29	-1.00	3.29
	0	60	0.14	0.11	0.26	-5.92	-	-	0.22	0.18	0.39	-4.04	-1.00	3.04
	1	60	0.14	0.12	0.25	-6.01	-	-	0.21	0.18	0.39	-4.13	-1.00	3.13
6185	0	53	0.10	0.09	0.19	-7.26	-	-	0.16	0.13	0.29	-5.38	-1.00	4.38
	0	60	0.14	0.11	0.25	-5.97	-	-	0.22	0.17	0.39	-4.09	-1.00	3.09
	1	60	0.16	0.12	0.28	-5.46	-	-	0.25	0.19	0.44	-3.58	-1.00	2.58
6345	0	53	0.15	0.13	0.28	-5.55	-	-	0.24	0.19	0.43	-3.67	-1.00	2.67
	0	60	0.16	0.13	0.28	-5.49	-	-	0.24	0.20	0.44	-3.61	-1.00	2.61
	1	60	0.13	0.11	0.23	-6.35	-	-	0.19	0.16	0.36	-4.47	-1.00	3.47
6505	0	53	0.12	0.08	0.20	-6.91	-	-	0.18	0.13	0.31	-5.03	-1.00	4.03
	0	60	0.13	0.09	0.22	-6.50	-	-	0.20	0.14	0.35	-4.62	-1.00	3.62
	1	60	0.14	0.09	0.23	-6.39	-	-	0.22	0.14	0.35	-4.51	-1.00	3.51

5G_CH0										5G_CH1					
Tested Frequency	Segment	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
								Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]			[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6025	0	53	0.13	-31.05	1.96	20.17	1.88	-8.78	-6.90	-31.90	2.00	20.16	1.88	-9.61	-7.73
	0	60	0.13	-30.77	1.96	20.17	1.88	-8.50	-6.62	-31.71	2.00	20.16	1.88	-9.41	-7.53
	1	60	0.13	-30.95	1.96	20.17	1.88	-8.69	-6.81	-31.67	2.00	20.16	1.88	-9.38	-7.50
6185	0	53	0.13	-32.25	2.00	20.17	1.88	-9.95	-8.07	-32.92	2.01	20.16	1.88	-10.61	-8.73
	0	60	0.13	-30.85	2.00	20.17	1.88	-8.55	-6.67	-31.76	2.01	20.16	1.88	-9.46	-7.58
	1	60	0.13	-30.21	2.00	20.17	1.88	-7.91	-6.03	-31.43	2.01	20.16	1.88	-9.12	-7.24
6345	0	53	0.13	-30.49	2.04	20.16	1.88	-8.16	-6.28	-31.33	2.03	20.16	1.88	-9.01	-7.13
	0	60	0.13	-30.41	2.04	20.16	1.88	-8.08	-6.20	-31.30	2.03	20.16	1.88	-8.97	-7.09
	1	60	0.13	-31.35	2.04	20.16	1.88	-9.02	-7.14	-32.05	2.03	20.16	1.88	-9.72	-7.84
6505	0	53	0.13	-31.60	2.10	20.15	1.88	-9.21	-7.33	-33.13	2.07	20.16	1.88	-10.78	-8.90
	0	60	0.13	-31.21	2.10	20.15	1.88	-8.82	-6.94	-32.68	2.07	20.16	1.88	-10.32	-8.44
	1	60	0.13	-30.88	2.10	20.15	1.88	-8.49	-6.61	-32.93	2.07	20.16	1.88	-10.57	-8.69

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = $10\log(\text{Number of transmit antennas} / \text{Number of spatial streams})$

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.8 Shielded Room
Date May 21, 2024
Temperature / Humidity 24 deg. C / 48 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-160 (OFDMA) 106-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	Segment	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
6665	0	53	0.16	0.11	0.26	-5.78	-	-	0.24	0.17	0.41	-3.90	-1.00	2.90
	0	60	0.17	0.10	0.27	-5.63	-	-	0.26	0.16	0.42	-3.75	-1.00	2.75
	1	60	0.12	0.08	0.19	-7.18	-	-	0.18	0.12	0.30	-5.30	-1.00	4.30
6825	0	53	0.15	0.09	0.24	-6.13	-	-	0.24	0.14	0.38	-4.25	-1.00	3.25
	0	60	0.13	0.07	0.20	-6.93	-	-	0.20	0.11	0.31	-5.05	-1.00	4.05
	1	60	0.10	0.06	0.16	-7.83	-	-	0.16	0.10	0.25	-5.95	-1.00	4.95
6985	0	53	0.11	0.06	0.18	-7.57	-	-	0.17	0.10	0.27	-5.69	-1.00	4.69
	0	60	0.11	0.07	0.18	-7.55	-	-	0.17	0.10	0.27	-5.67	-1.00	4.67
	1	60	0.09	0.05	0.14	-8.40	-	-	0.14	0.08	0.22	-6.52	-1.00	5.52

				5G CH0						5G CH1					
Tested Frequency	Segment	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	e.i.r.p.
[MHz]			[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6665	0	53	0.13	-30.54	2.16	20.15	1.88	-8.10	-6.22	-32.02	2.10	20.16	1.88	-9.63	-7.75
	0	60	0.13	-30.16	2.16	20.15	1.88	-7.71	-5.83	-32.21	2.10	20.16	1.88	-9.82	-7.94
	1	60	0.13	-31.83	2.16	20.15	1.88	-9.38	-7.50	-33.57	2.10	20.16	1.88	-11.18	-9.30
6825	0	53	0.13	-30.64	2.20	20.15	1.88	-8.17	-6.29	-32.79	2.11	20.16	1.88	-10.40	-8.52
	0	60	0.13	-31.36	2.20	20.15	1.88	-8.88	-7.00	-33.75	2.11	20.16	1.88	-11.36	-9.48
	1	60	0.13	-32.39	2.20	20.15	1.88	-9.91	-8.03	-34.41	2.11	20.16	1.88	-12.02	-10.14
6985	0	53	0.13	-32.02	2.26	20.15	1.88	-9.49	-7.61	-34.47	2.14	20.16	1.88	-12.04	-10.16
	0	60	0.13	-32.19	2.26	20.15	1.88	-9.65	-7.77	-34.14	2.14	20.16	1.88	-11.71	-9.83
	1	60	0.13	-32.93	2.26	20.15	1.88	-10.39	-8.51	-35.17	2.14	20.16	1.88	-12.74	-10.86

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Array Gain, Array Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date March 22, 2024
Temperature / Humidity 23 deg. C / 36 % RH
Engineer Yuta Shiba
Mode Tx 11ax-160 (OFDMA) 242-tone RU (CDD)

5G_CH0 + 5G_CH1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	Segment	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
			Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
			5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]					5G_CH0 [mW/MHz]	5G_CH1 [mW/MHz]	Sum [mW/MHz]				
6025	0	61	0.16	0.16	0.31	-5.05	-	-	-	0.24	0.24	0.48	-3.17	-1.00	2.17	
	0	64	0.17	0.17	0.34	-4.73	-	-	-	0.26	0.26	0.52	-2.85	-1.00	1.85	
	1	64	0.19	0.19	0.38	-4.20	-	-	-	0.29	0.30	0.59	-2.32	-1.00	1.32	
6185	0	61	0.15	0.16	0.31	-5.02	-	-	-	0.24	0.25	0.49	-3.14	-1.00	2.14	
	0	64	0.18	0.18	0.36	-4.46	-	-	-	0.28	0.28	0.55	-2.58	-1.00	1.58	
	1	64	0.19	0.18	0.38	-4.25	-	-	-	0.30	0.28	0.58	-2.37	-1.00	1.37	
6345	0	61	0.17	0.20	0.37	-4.33	-	-	-	0.26	0.31	0.57	-2.45	-1.00	1.45	
	0	64	0.20	0.21	0.41	-3.90	-	-	-	0.30	0.32	0.63	-2.02	-1.00	1.02	
	1	64	0.18	0.19	0.37	-4.34	-	-	-	0.28	0.29	0.57	-2.46	-1.00	1.46	
6505	0	61	0.22	0.16	0.38	-4.20	-	-	-	0.33	0.25	0.59	-2.32	-1.00	1.32	
	0	64	0.21	0.15	0.36	-4.45	-	-	-	0.32	0.23	0.55	-2.57	-1.00	1.57	
	1	64	0.18	0.12	0.30	-5.24	-	-	-	0.27	0.19	0.46	-3.36	-1.00	2.36	

			5G_CH0							5G_CH1						
Tested Frequency	Segment	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		
				Cond.	e.i.r.p.					Cond.	e.i.r.p.					
[MHz]			[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
6025	0	61	0.02	-30.24	1.96	20.17	1.88	-8.08	-6.20	-30.22	2.00	20.16	1.88	-8.04	-6.16	
	0	64	0.02	-29.93	1.96	20.17	1.88	-7.78	-5.90	-29.89	2.00	20.16	1.88	-7.71	-5.83	
	1	64	0.02	-29.39	1.96	20.17	1.88	-7.24	-5.36	-29.36	2.00	20.16	1.88	-7.18	-5.30	
6185	0	61	0.02	-30.33	2.00	20.17	1.88	-8.13	-6.25	-30.12	2.01	20.16	1.88	-7.92	-6.04	
	0	64	0.02	-29.64	2.00	20.17	1.88	-7.45	-5.57	-29.68	2.01	20.16	1.88	-7.48	-5.60	
	1	64	0.02	-29.34	2.00	20.17	1.88	-7.15	-5.27	-29.58	2.01	20.16	1.88	-7.38	-5.50	
6345	0	61	0.02	-29.97	2.04	20.16	1.88	-7.75	-5.87	-29.19	2.03	20.16	1.88	-6.98	-5.10	
	0	64	0.02	-29.29	2.04	20.16	1.88	-7.06	-5.18	-28.97	2.03	20.16	1.88	-6.76	-4.88	
	1	64	0.02	-29.69	2.04	20.16	1.88	-7.47	-5.59	-29.45	2.03	20.16	1.88	-7.24	-5.36	
6505	0	61	0.02	-28.94	2.10	20.15	1.88	-6.66	-4.78	-30.09	2.07	20.16	1.88	-7.84	-5.96	
	0	64	0.02	-29.10	2.10	20.15	1.88	-6.82	-4.94	-30.44	2.07	20.16	1.88	-8.19	-6.31	
	1	64	0.02	-29.83	2.10	20.15	1.88	-7.55	-5.67	-31.32	2.07	20.16	1.88	-9.07	-7.19	

Sample Calculation:

PSD: Power Spectral Density

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

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

Directional Gain = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams)

Number of transmit antennas = 2, Number of spatial streams = 1