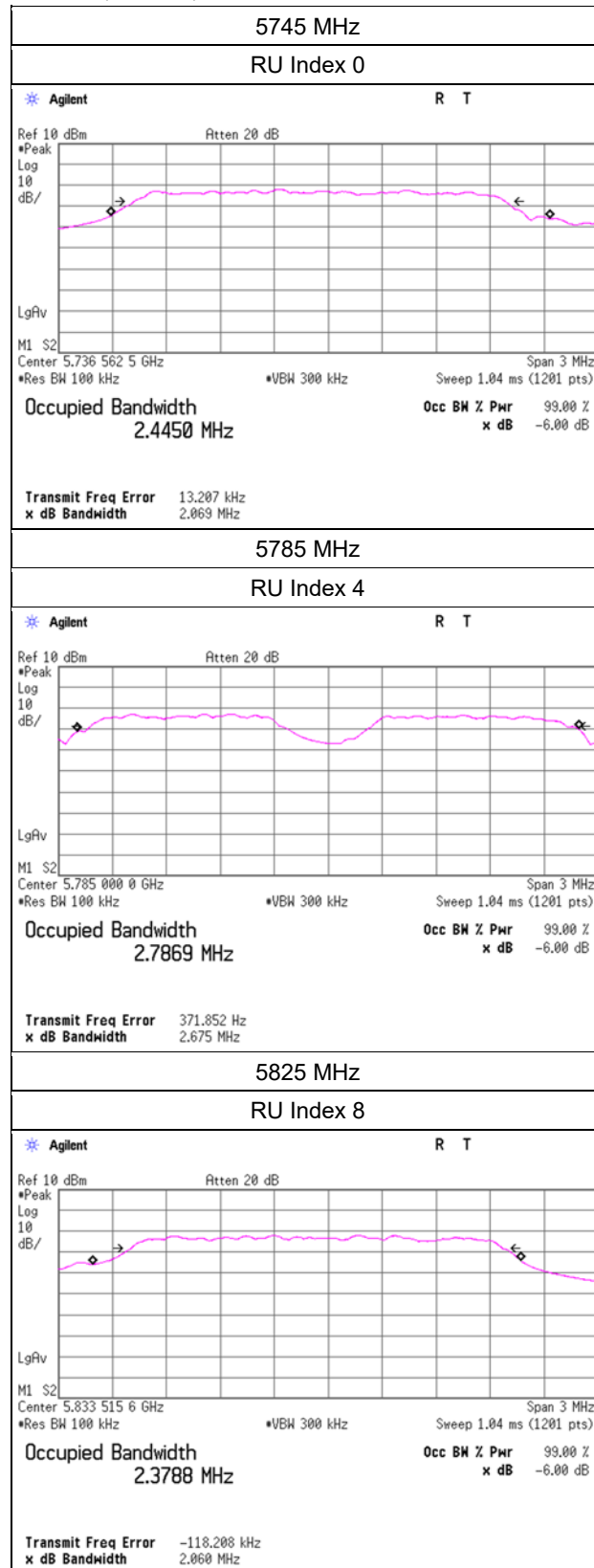


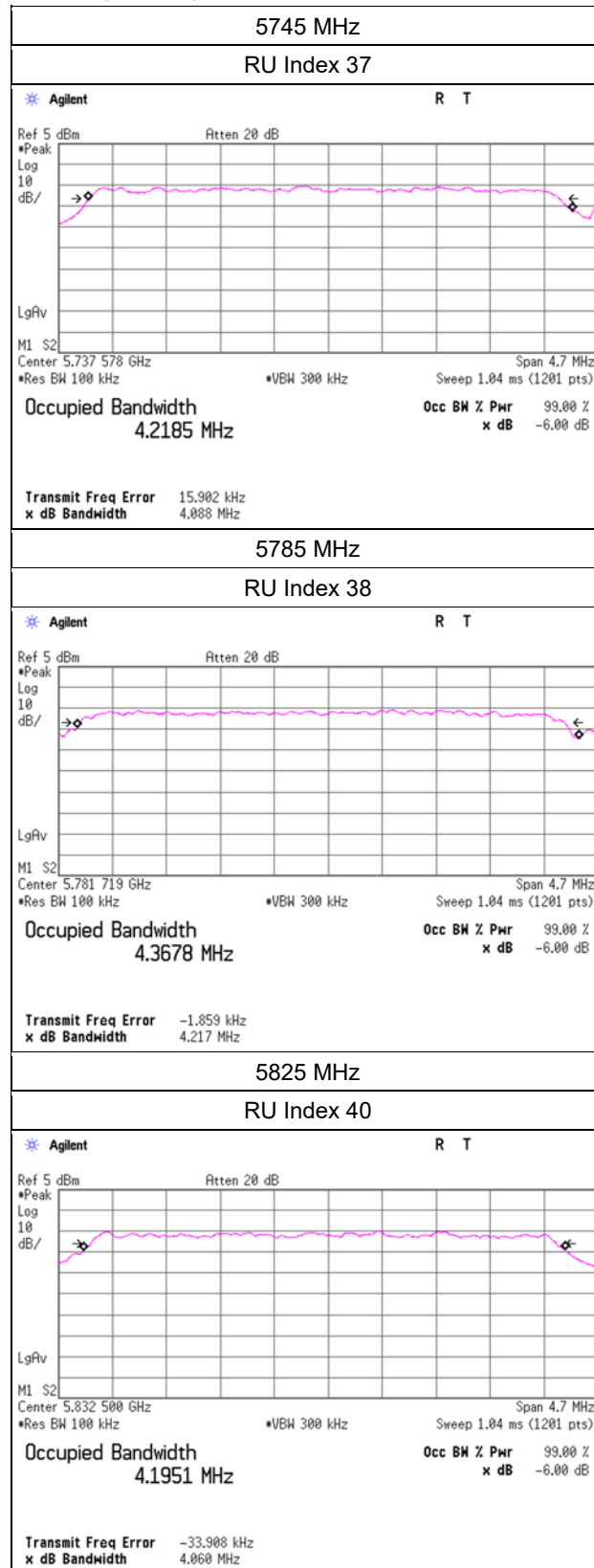
6 dB Bandwidth

11ax-20(OFDMA), 26-tone RU, MIMO



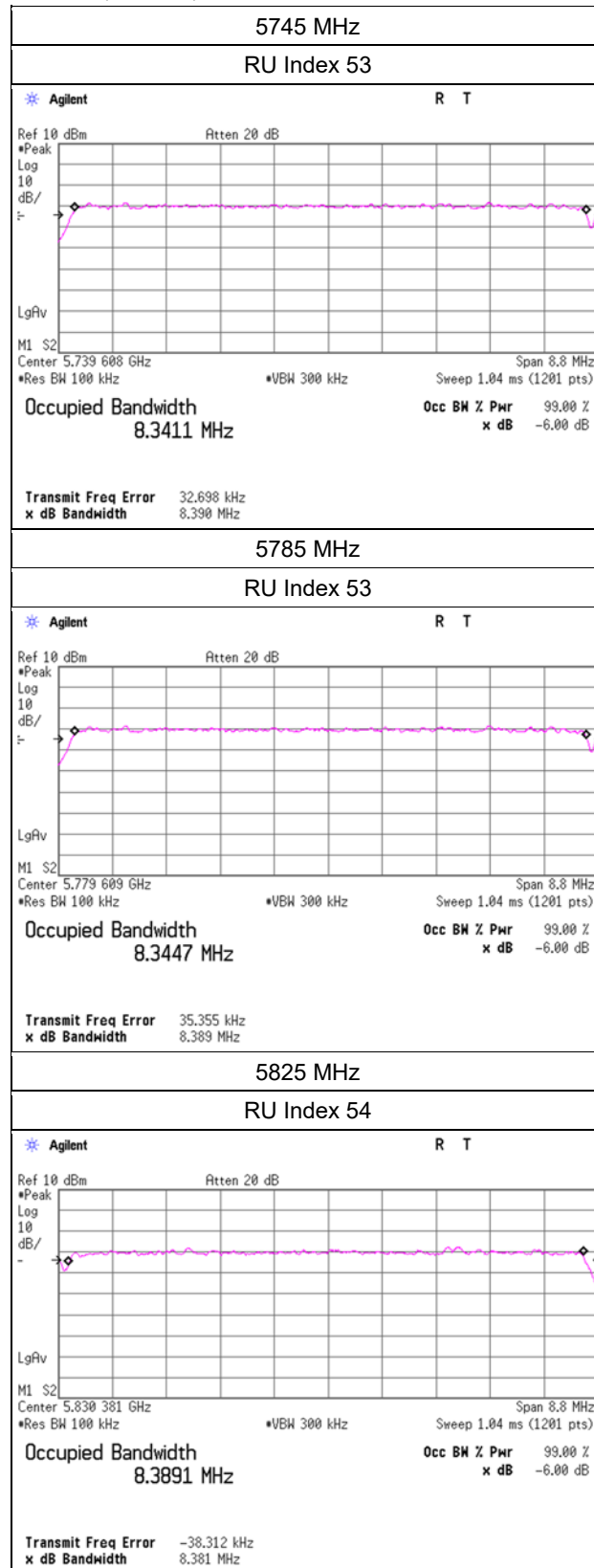
6 dB Bandwidth

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



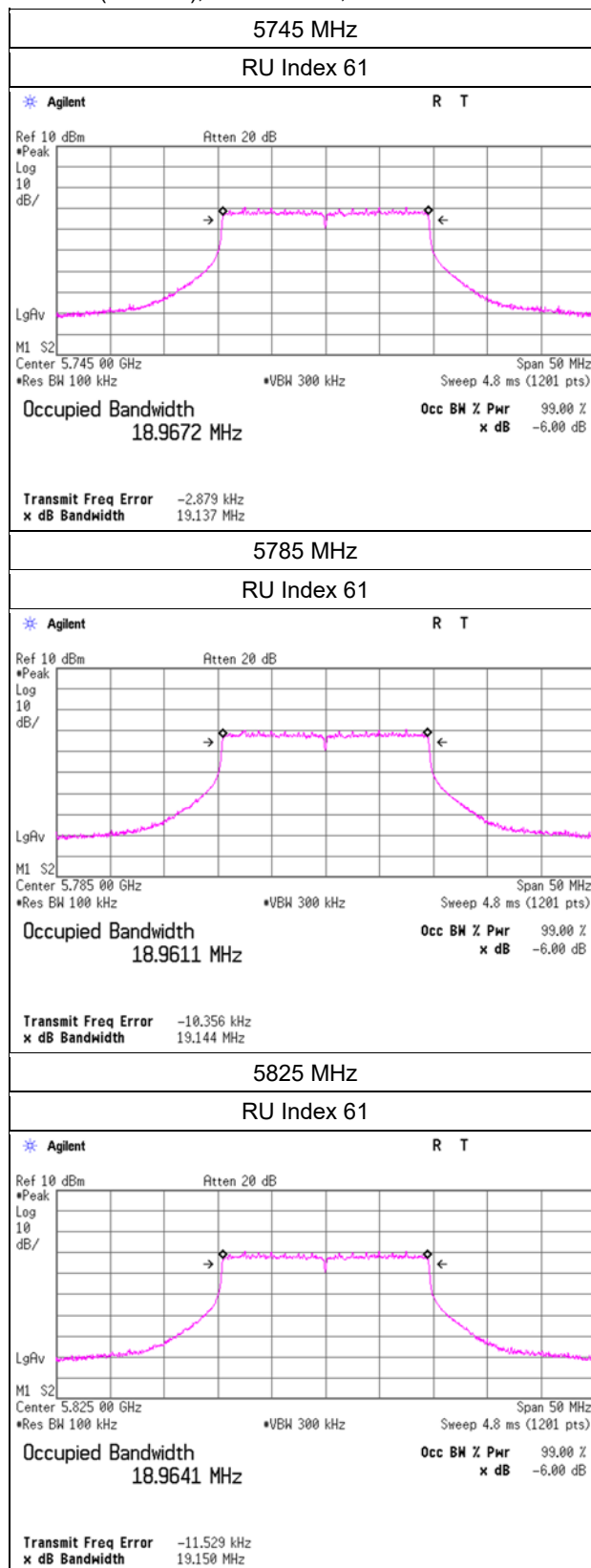
6 dB Bandwidth

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



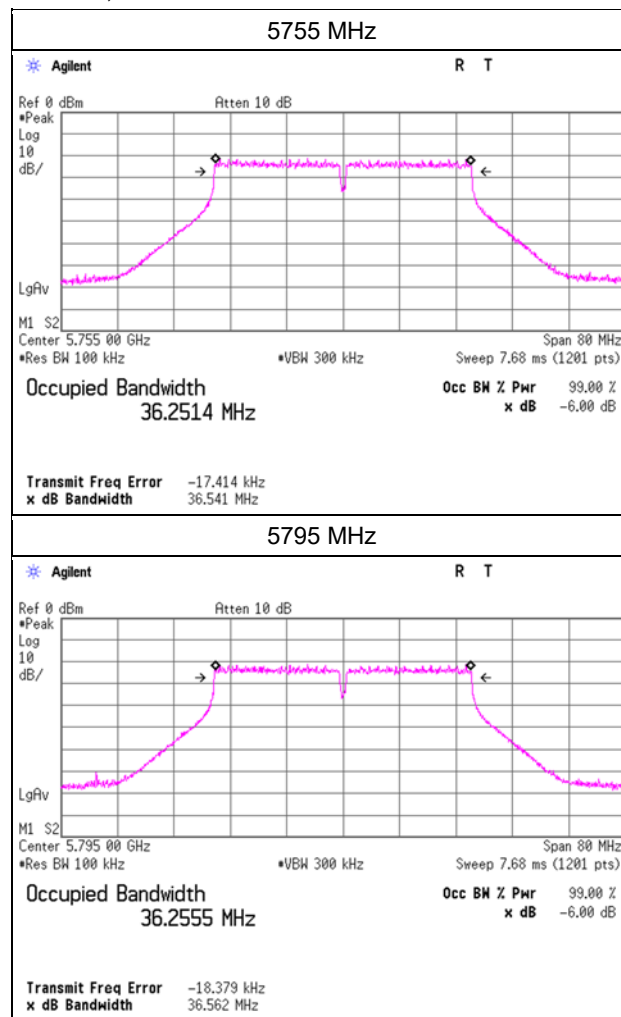
6 dB Bandwidth

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



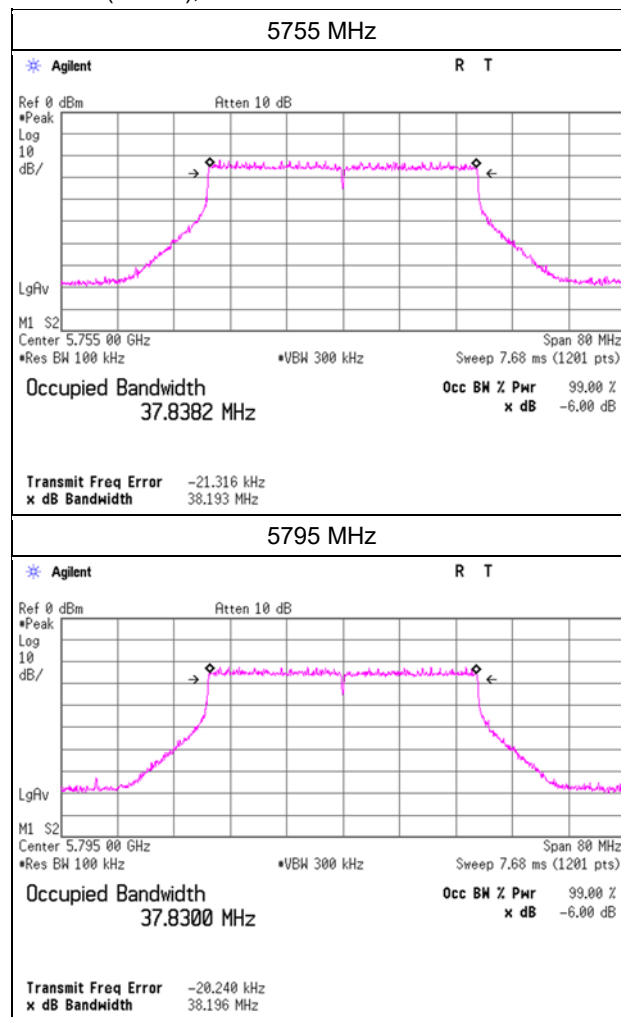
6 dB Bandwidth

11ac-40, MIMO



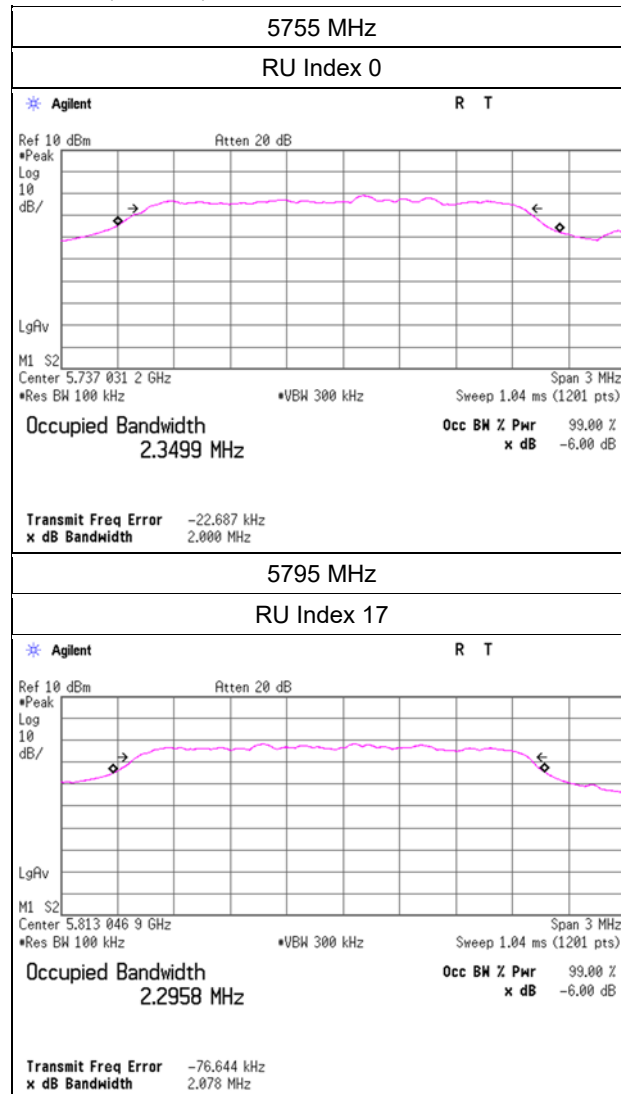
6 dB Bandwidth

11ax-40(OFDM), MIMO



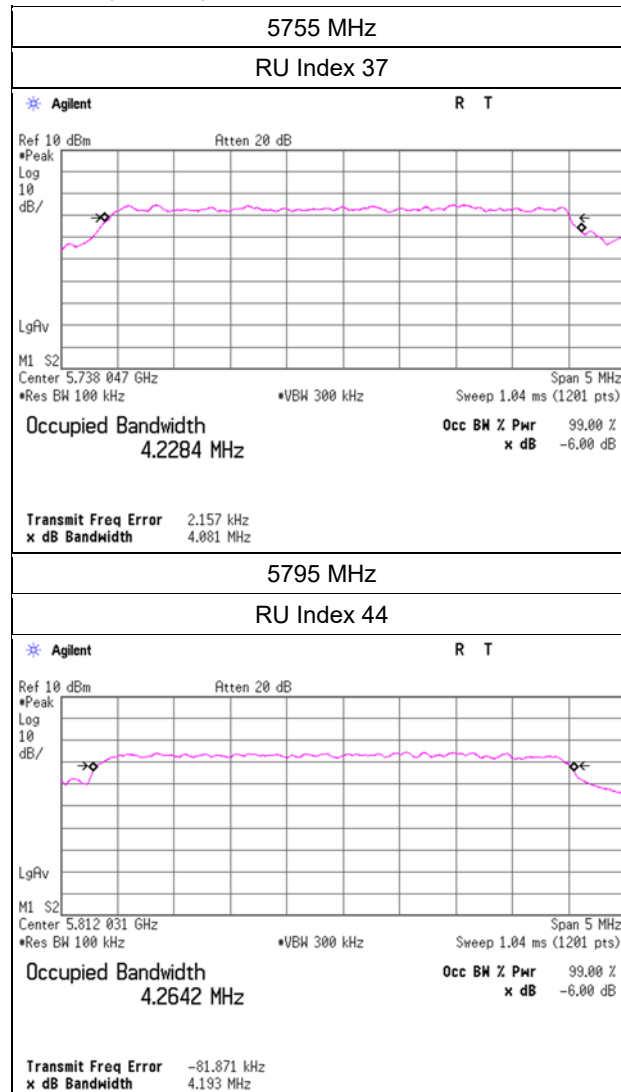
6 dB Bandwidth

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



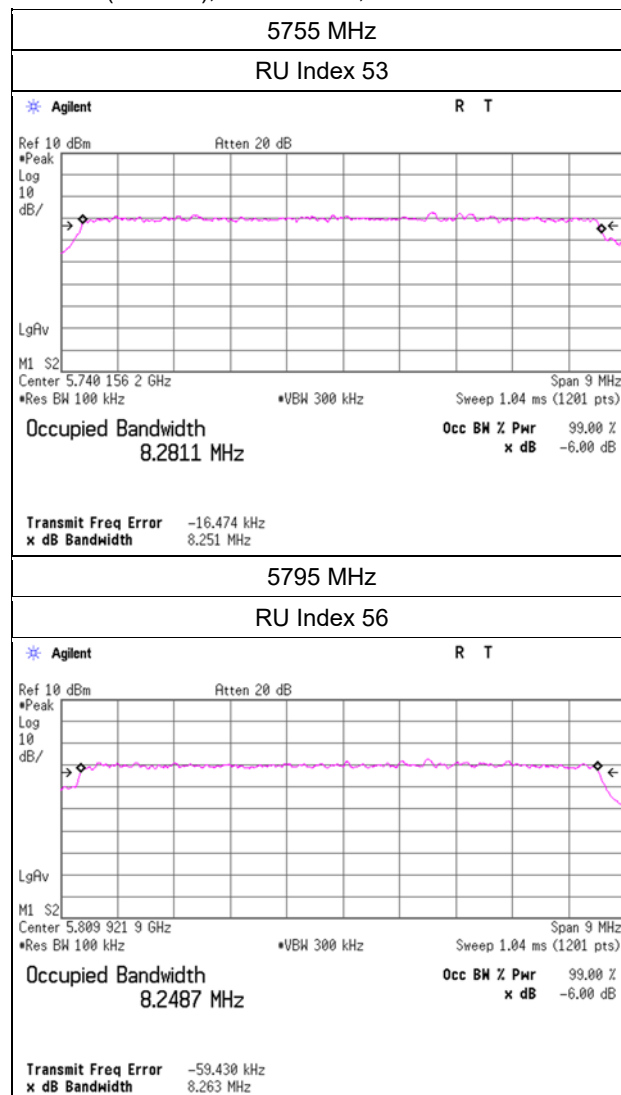
6 dB Bandwidth

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



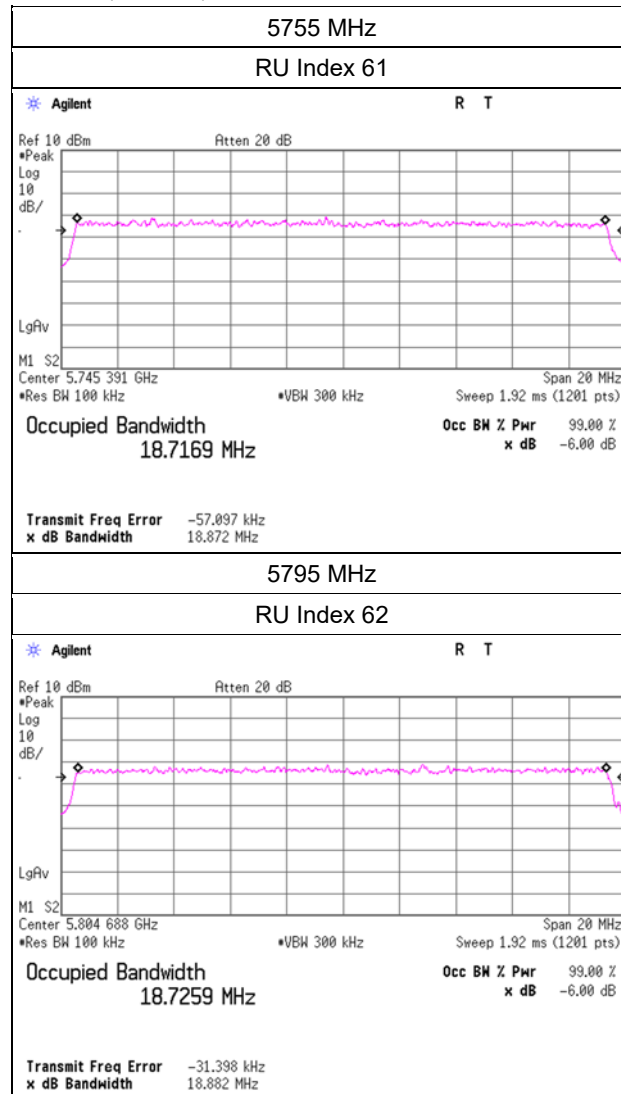
6 dB Bandwidth

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



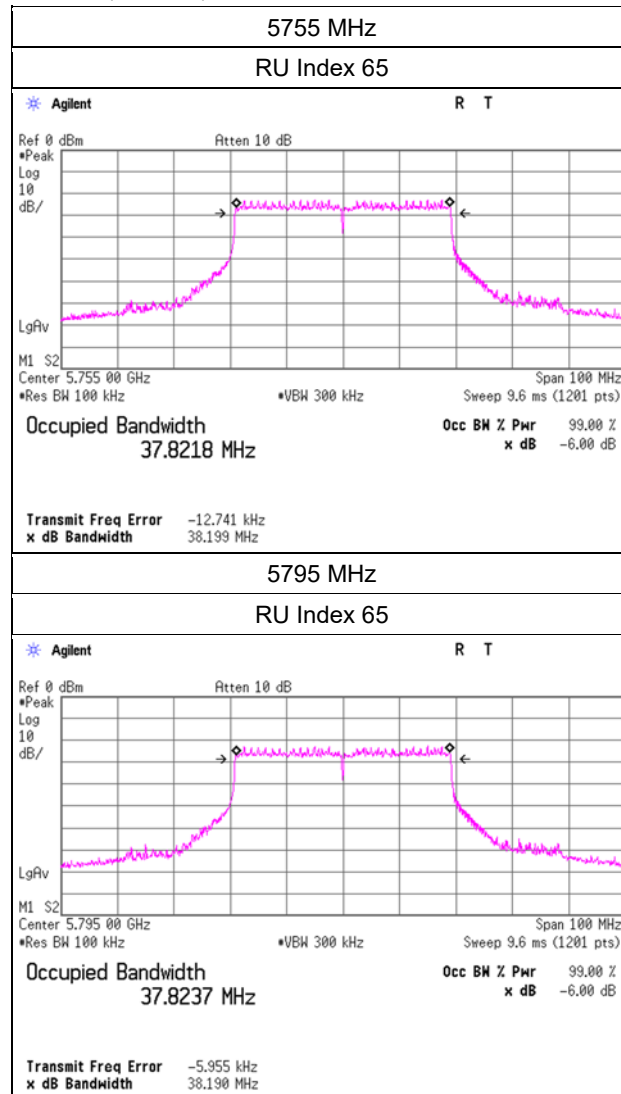
6 dB Bandwidth

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



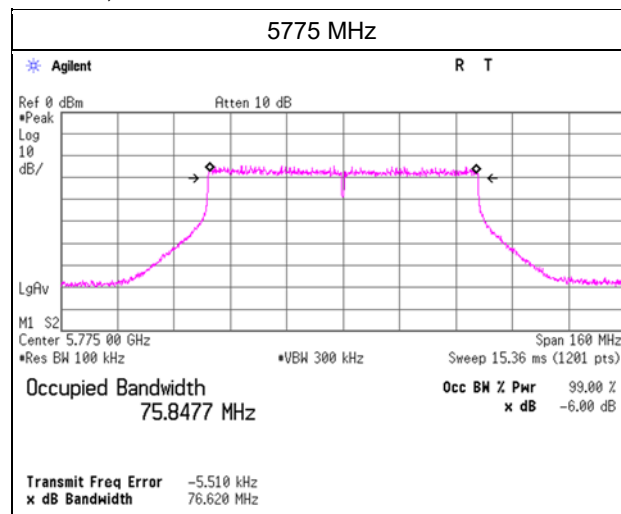
6 dB Bandwidth

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



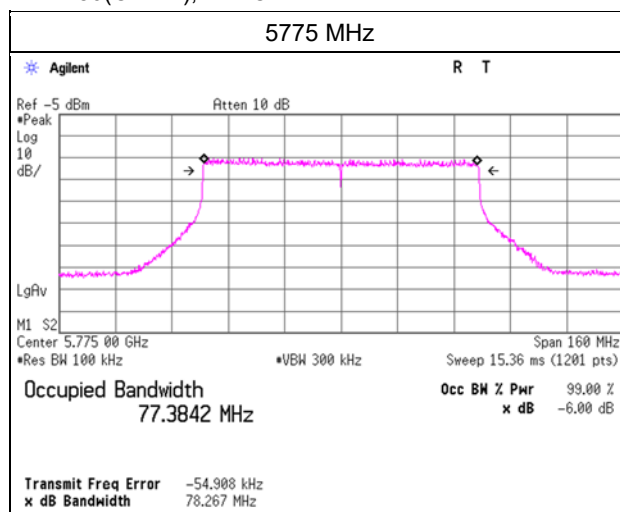
6 dB Bandwidth

11ac-80, MIMO



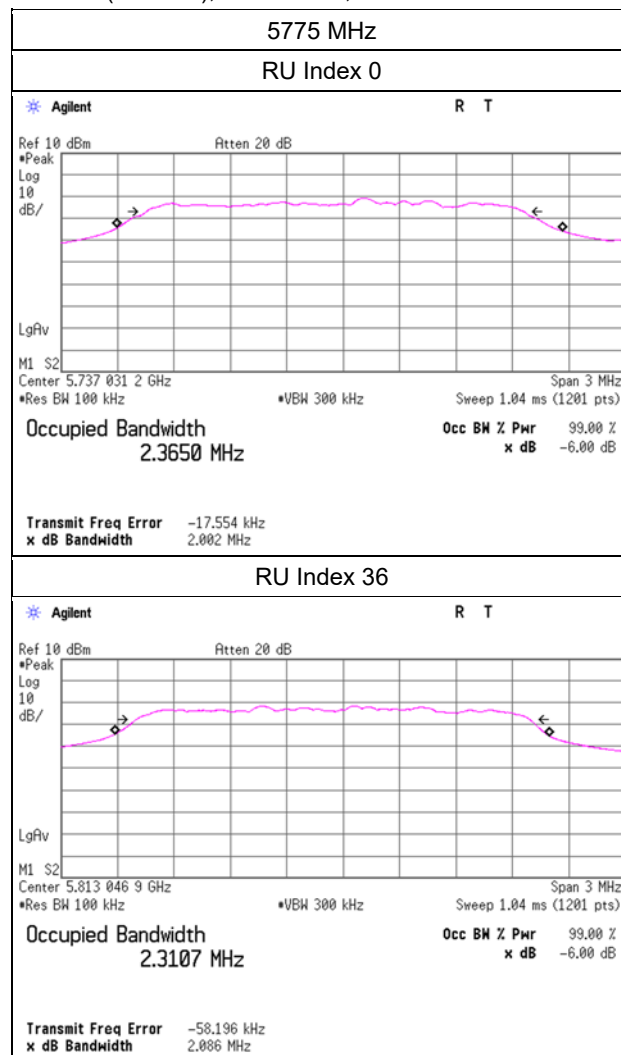
6 dB Bandwidth

11ax-80(OFDM), MIMO



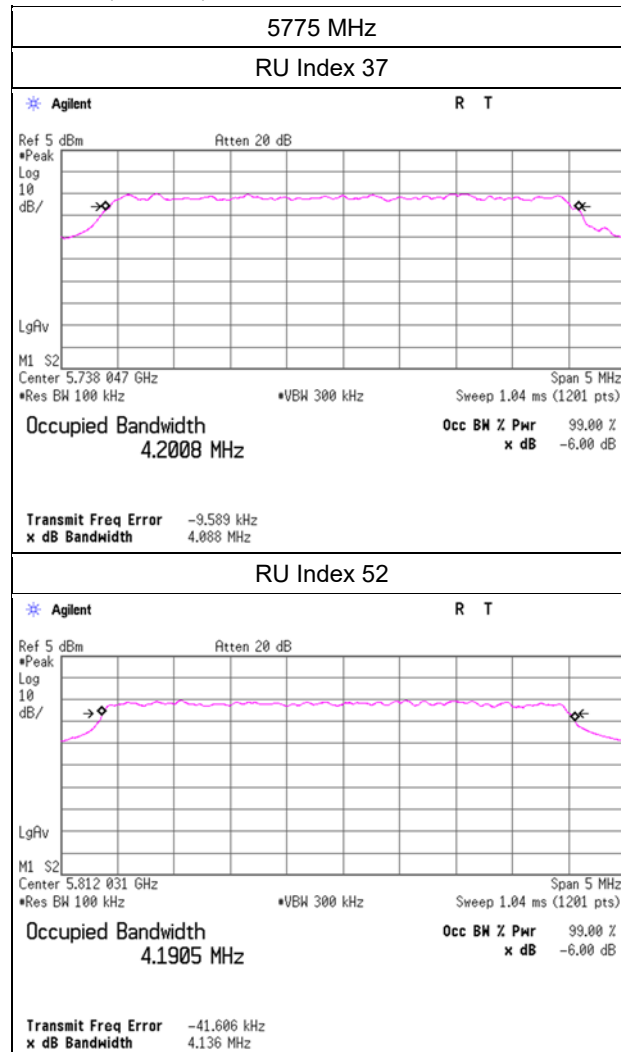
6 dB Bandwidth

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



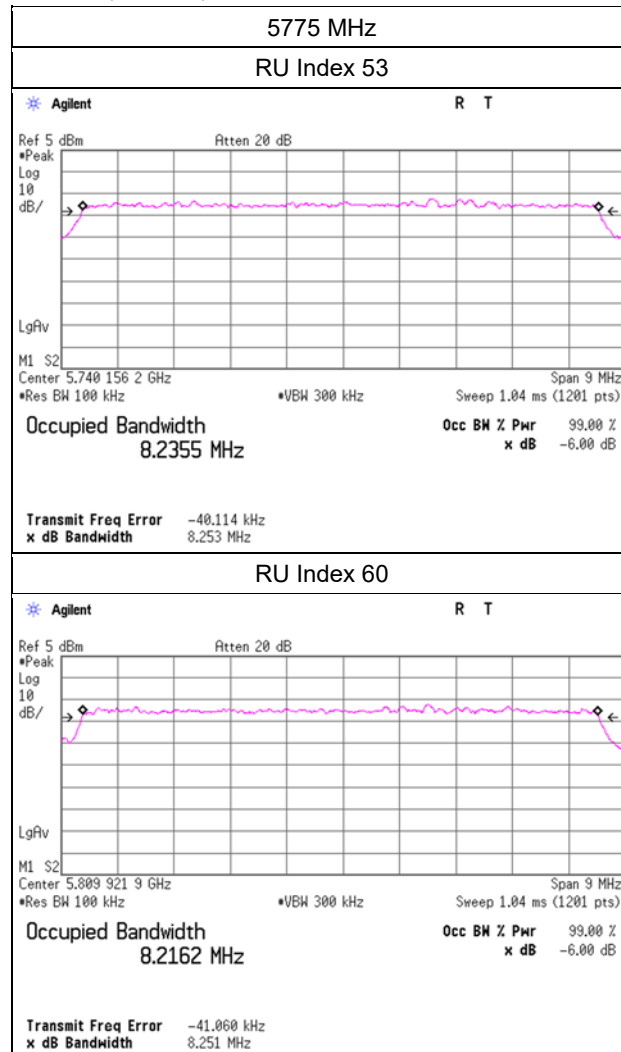
6 dB Bandwidth

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



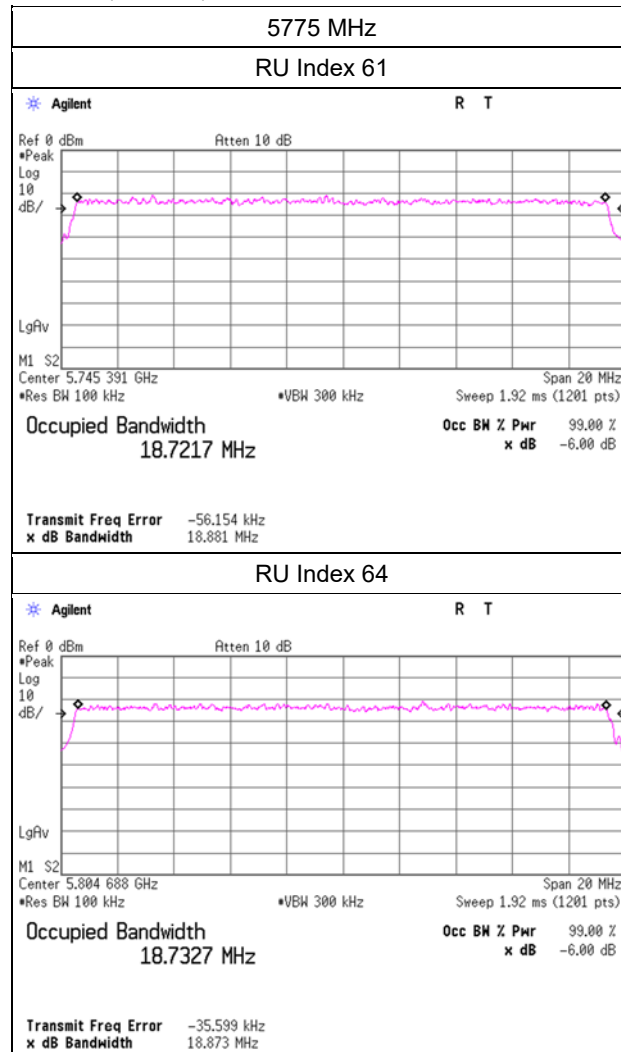
6 dB Bandwidth

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



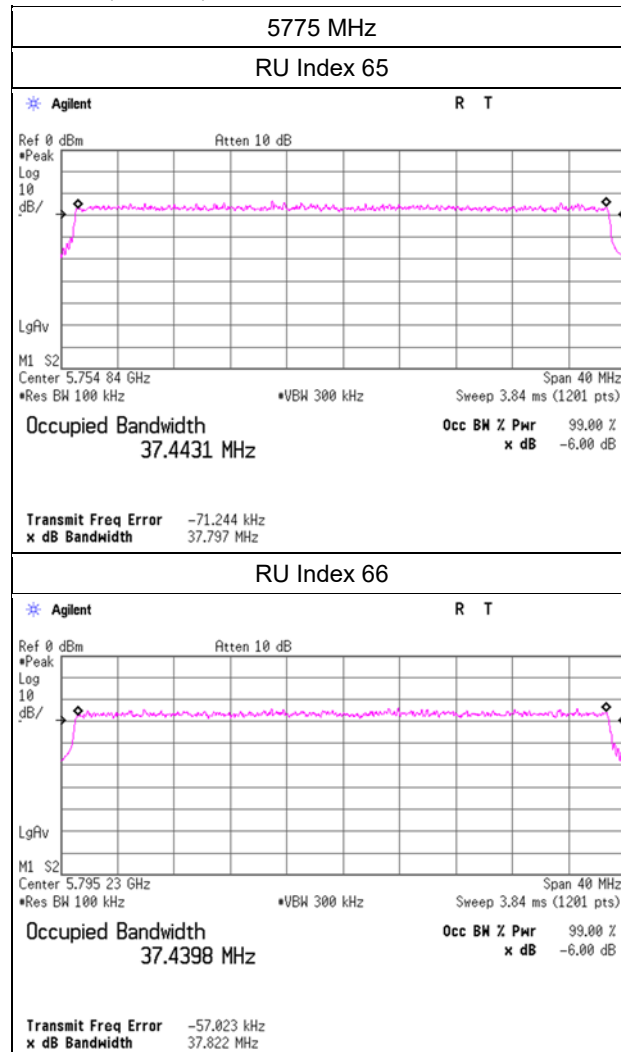
6 dB Bandwidth

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



6 dB Bandwidth

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



Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 17, 2024	SR5	25 deg.C	52 %RH	Yosuke Murakami
December 23, 2024	SR5	20 deg.C	35 %RH	Hiromasa Sato

11a, SISO

Antenna Port: ANT2

Tested Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
					Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
						Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5180	-7.85	1.52	9.99	3.30	3.66	23.97	20.31	-	-	6.96	29.97	23.01	11.77	4.81
5220	-7.76	1.52	9.99	3.30	3.75	23.97	20.22	-	-	7.05	29.97	22.92	11.77	4.72
5240	-7.80	1.60	9.99	3.30	3.79	23.97	20.18	-	-	7.09	29.97	22.88	11.77	4.68
5260	-7.83	1.56	9.99	3.30	3.72	23.97	20.25	-	-	7.02	29.97	22.95	11.77	4.75
5300	-7.76	1.56	9.99	3.30	3.79	23.97	20.18	-	-	7.09	29.97	22.88	11.77	4.68
5320	-7.83	1.65	9.99	3.30	3.81	23.97	20.16	-	-	7.11	29.97	22.86	11.77	4.66
5500	-7.96	1.63	10.00	3.30	3.67	23.97	20.30	23.19	19.52	6.97	29.97	23.00	29.19	22.22
5580	-7.94	1.64	10.00	3.30	3.70	23.97	20.27	23.19	19.49	7.00	29.97	22.97	29.19	22.19
5700	-7.83	1.61	10.00	3.30	3.78	23.97	20.19	23.19	19.41	7.08	29.97	22.89	29.19	22.11
5720	-7.92	1.62	10.00	3.30	3.70	23.97	20.27	23.19	19.49	7.00	29.97	22.97	29.19	22.19
5745	-7.80	1.63	10.00	3.30	3.83	30.00	26.17	30.00	26.17	7.13	36.00	28.87	36.00	28.87
5785	-7.82	1.63	10.00	3.30	3.81	30.00	26.19	30.00	26.19	7.11	36.00	28.89	36.00	28.89
5825	-7.71	1.65	10.00	3.30	3.94	30.00	26.06	30.00	26.06	7.24	36.00	28.76	36.00	28.76

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (20.619 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (16.562 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 17, 2024	SR5	25 deg.C	52 %RH	Yosuke Murakami
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11a, MIMO ANT1 + ANT2

Tested Freq.	Conducted power								e.i.r.p.							
	Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247	
	ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5180	2.22	2.17	4.39	6.43	23.97	17.54	-	-	4.75	4.65	9.40	9.73	29.97	20.24	11.77	2.04
5220	2.18	2.24	4.42	6.45	23.97	17.52	-	-	4.65	4.79	9.44	9.75	29.97	20.22	11.77	2.02
5240	2.20	2.25	4.45	6.48	23.97	17.49	-	-	4.70	4.81	9.51	9.78	29.97	20.19	11.77	1.99
5260	2.20	2.25	4.45	6.48	23.97	17.49	-	-	4.70	4.81	9.51	9.78	29.97	20.19	11.77	1.99
5300	2.11	2.30	4.41	6.44	23.97	17.53	-	-	4.52	4.91	9.43	9.74	29.97	20.23	11.77	2.03
5320	2.17	2.32	4.48	6.52	23.97	17.45	-	-	4.63	4.95	9.59	9.82	29.97	20.15	11.77	1.95
5500	2.21	2.35	4.56	6.59	23.97	17.38	23.19	16.60	4.72	5.02	9.74	9.89	29.97	20.08	29.19	19.30
5580	2.21	2.40	4.62	6.64	23.97	17.33	23.19	16.55	4.73	5.14	9.87	9.94	29.97	20.03	29.19	19.25
5700	2.09	2.47	4.56	6.59	23.97	17.38	23.19	16.60	4.47	5.27	9.74	9.89	29.97	20.08	29.19	19.30
5720	2.07	2.43	4.49	6.53	23.97	17.44	23.19	16.66	4.42	5.19	9.61	9.83	29.97	20.14	29.19	19.36
5745	2.20	2.49	4.69	6.72	30.00	23.28	30.00	23.28	4.70	5.33	10.04	10.02	36.00	25.98	36.00	25.98
5785	2.07	2.46	4.53	6.56	30.00	23.44	30.00	23.44	4.43	5.26	9.69	9.86	36.00	26.14	36.00	26.14
5825	2.03	2.55	4.59	6.62	30.00	23.38	30.00	23.38	4.35	5.46	9.81	9.92	36.00	26.08	36.00	26.08

Tested Freq. [MHz]	-	ANT1						ANT2					
		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5180	-	-8.02	1.55	9.94	3.30	3.47	6.77	-8.14	1.52	9.99	3.30	3.37	6.67
5220	-	-8.11	1.55	9.94	3.30	3.38	6.68	-8.01	1.52	9.99	3.30	3.50	6.80
5240	-	-8.17	1.65	9.94	3.30	3.42	6.72	-8.07	1.60	9.99	3.30	3.52	6.82
5260	-	-8.11	1.59	9.94	3.30	3.42	6.72	-8.03	1.56	9.99	3.30	3.52	6.82
5300	-	-8.28	1.59	9.94	3.30	3.25	6.55	-7.94	1.56	9.99	3.30	3.61	6.91
5320	-	-8.28	1.70	9.94	3.30	3.36	6.66	-7.99	1.65	9.99	3.30	3.65	6.95
5500	-	-8.14	1.64	9.94	3.30	3.44	6.74	-7.92	1.63	10.00	3.30	3.71	7.01
5580	-	-8.14	1.65	9.94	3.30	3.45	6.75	-7.83	1.64	10.00	3.30	3.81	7.11
5700	-	-8.36	1.62	9.94	3.30	3.20	6.50	-7.69	1.61	10.00	3.30	3.92	7.22
5720	-	-8.41	1.62	9.94	3.30	3.15	6.45	-7.77	1.62	10.00	3.30	3.85	7.15
5745	-	-8.17	1.65	9.94	3.30	3.42	6.72	-7.66	1.63	10.00	3.30	3.97	7.27
5785	-	-8.43	1.65	9.94	3.30	3.16	6.46	-7.72	1.63	10.00	3.30	3.91	7.21
5825	-	-8.51	1.65	9.94	3.30	3.08	6.38	-7.58	1.65	10.00	3.30	4.07	7.37

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (20.619 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (16.562 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	23 deg.C	46 %RH	Yosuke Murakami
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11ac-20, SISO

Antenna Port: ANT2

Tested Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	Conducted Power				Result	e.i.r.p.			
						FCC 15.407		RSS-247			FCC 15.407		RSS-247	
						Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5180	-7.76	1.52	9.99	3.30	3.75	23.97	20.22	-	-	7.05	29.97	22.92	11.77	4.72
5220	-7.68	1.52	9.99	3.30	3.83	23.97	20.14	-	-	7.13	29.97	22.84	11.77	4.64
5240	-7.74	1.60	9.99	3.30	3.85	23.97	20.12	-	-	7.15	29.97	22.82	11.77	4.62
5260	-7.80	1.56	9.99	3.30	3.75	23.97	20.22	-	-	7.05	29.97	22.92	11.77	4.72
5300	-7.72	1.56	9.99	3.30	3.83	23.97	20.14	-	-	7.13	29.97	22.84	11.77	4.64
5320	-7.76	1.65	9.99	3.30	3.88	23.97	20.09	-	-	7.18	29.97	22.79	11.77	4.59
5500	-7.93	1.63	10.00	3.30	3.70	23.97	20.27	23.50	19.80	7.00	29.97	22.97	29.50	22.50
5580	-7.85	1.64	10.00	3.30	3.79	23.97	20.18	23.50	19.71	7.09	29.97	22.88	29.50	22.41
5700	-7.75	1.61	10.00	3.30	3.86	23.97	20.11	23.50	19.64	7.16	29.97	22.81	29.50	22.34
5720	-7.84	1.62	10.00	3.30	3.78	23.97	20.19	23.50	19.72	7.08	29.97	22.89	29.50	22.42
5745	-7.72	1.63	10.00	3.30	3.91	30.00	26.09	30.00	26.09	7.21	36.00	28.79	36.00	28.79
5785	-7.83	1.63	10.00	3.30	3.80	30.00	26.20	30.00	26.20	7.10	36.00	28.90	36.00	28.90
5825	-7.66	1.65	10.00	3.30	3.99	30.00	26.01	30.00	26.01	7.29	36.00	28.71	36.00	28.71

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (21.863 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (17.813 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	23 deg.C	46 %RH	Yosuke Murakami
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11ac-20, MIMO
ANT1 + ANT2

Tested Freq.	Conducted power								e.i.r.p.								
	Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247		
	ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	
[MHz]				[dBm]								[dBm]					
5180	2.23	2.20	4.44	6.47	23.97	17.50	-	-	4.77	4.71	9.48	9.77	29.97	20.20	11.77	2.00	
5220	2.15	2.24	4.39	6.42	23.97	17.55	-	-	4.59	4.79	9.38	9.72	29.97	20.25	11.77	2.05	
5240	2.19	2.28	4.46	6.50	23.97	17.47	-	-	4.68	4.86	9.54	9.80	29.97	20.17	11.77	1.97	
5260	2.19	2.28	4.47	6.50	23.97	17.47	-	-	4.69	4.86	9.55	9.80	29.97	20.17	11.77	1.97	
5300	2.09	2.31	4.40	6.43	23.97	17.54	-	-	4.48	4.93	9.41	9.73	29.97	20.24	11.77	2.04	
5320	2.13	2.34	4.47	6.50	23.97	17.47	-	-	4.56	5.00	9.56	9.80	29.97	20.17	11.77	1.97	
5500	2.20	2.36	4.56	6.59	23.97	17.38	23.50	16.91	4.71	5.04	9.75	9.89	29.97	20.08	29.50	19.61	
5580	2.20	2.43	4.63	6.66	23.97	17.31	23.50	16.84	4.70	5.20	9.90	9.96	29.97	20.01	29.50	19.54	
5700	2.08	2.48	4.56	6.59	23.97	17.38	23.50	16.91	4.44	5.31	9.75	9.89	29.97	20.08	29.50	19.61	
5720	2.05	2.44	4.49	6.52	23.97	17.45	23.50	16.98	4.38	5.21	9.59	9.82	29.97	20.15	29.50	19.68	
5745	2.19	2.48	4.67	6.70	30.00	23.30	30.00	23.30	4.69	5.30	9.99	10.00	36.00	26.00	36.00	26.00	
5785	2.06	2.45	4.52	6.55	30.00	23.45	30.00	23.45	4.41	5.25	9.66	9.85	36.00	26.15	36.00	26.15	
5825	2.14	2.57	4.71	6.73	30.00	23.27	30.00	23.27	4.57	5.50	10.06	10.03	36.00	25.97	36.00	25.97	

Tested Freq. [MHz]	-	ANT1							ANT2						
		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	
5180	-	-8.00	1.55	9.94	3.30	3.49	6.79		-8.08	1.52	9.99	3.30	3.43	6.73	
5220	-	-8.17	1.55	9.94	3.30	3.32	6.62		-8.01	1.52	9.99	3.30	3.50	6.80	
5240	-	-8.19	1.65	9.94	3.30	3.40	6.70		-8.02	1.60	9.99	3.30	3.57	6.87	
5260	-	-8.12	1.59	9.94	3.30	3.41	6.71		-7.98	1.56	9.99	3.30	3.57	6.87	
5300	-	-8.32	1.59	9.94	3.30	3.21	6.51		-7.92	1.56	9.99	3.30	3.63	6.93	
5320	-	-8.35	1.70	9.94	3.30	3.29	6.59		-7.95	1.65	9.99	3.30	3.69	6.99	
5500	-	-8.15	1.64	9.94	3.30	3.43	6.73		-7.91	1.63	10.00	3.30	3.72	7.02	
5580	-	-8.17	1.65	9.94	3.30	3.42	6.72		-7.78	1.64	10.00	3.30	3.86	7.16	
5700	-	-8.39	1.62	9.94	3.30	3.17	6.47		-7.66	1.61	10.00	3.30	3.95	7.25	
5720	-	-8.45	1.62	9.94	3.30	3.11	6.41		-7.75	1.62	10.00	3.30	3.87	7.17	
5745	-	-8.18	1.65	9.94	3.30	3.41	6.71		-7.69	1.63	10.00	3.30	3.94	7.24	
5785	-	-8.45	1.65	9.94	3.30	3.14	6.44		-7.73	1.63	10.00	3.30	3.90	7.20	
5825	-	-8.30	1.65	9.94	3.30	3.29	6.59		-7.55	1.65	10.00	3.30	4.10	7.40	

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (21.863 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (17.813 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 19, 2024	SR5	23 deg.C	40 %RH	Yosuke Murakami
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11ax-20(OFDM), SISO
Antenna Port: ANT2

Tested Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
					Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
						Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5180	-9.08	1.52	9.99	3.30	2.43	23.97	21.54	-	-	5.73	29.97	24.24	11.77	6.04
5220	-8.95	1.52	9.99	3.30	2.56	23.97	21.41	-	-	5.86	29.97	24.11	11.77	5.91
5240	-9.07	1.60	9.99	3.30	2.52	23.97	21.45	-	-	5.82	29.97	24.15	11.77	5.95
5260	-9.16	1.56	9.99	3.30	2.39	23.97	21.58	-	-	5.69	29.97	24.28	11.77	6.08
5300	-9.00	1.56	9.99	3.30	2.55	23.97	21.42	-	-	5.85	29.97	24.12	11.77	5.92
5320	-9.13	1.65	9.99	3.30	2.51	23.97	21.46	-	-	5.81	29.97	24.16	11.77	5.96
5500	-9.27	1.63	10.00	3.30	2.36	23.97	21.61	23.80	21.44	5.66	29.97	24.31	29.80	24.14
5580	-9.18	1.64	10.00	3.30	2.46	23.97	21.51	23.80	21.34	5.76	29.97	24.21	29.80	24.04
5700	-9.08	1.61	10.00	3.30	2.53	23.97	21.44	23.80	21.27	5.83	29.97	24.14	29.80	23.97
5720	-9.13	1.62	10.00	3.30	2.49	23.97	21.48	23.80	21.31	5.79	29.97	24.18	29.80	24.01
5745	-8.93	1.63	10.00	3.30	2.70	30.00	27.30	30.00	27.30	6.00	36.00	30.00	36.00	30.00
5785	-8.94	1.63	10.00	3.30	2.69	30.00	27.31	30.00	27.31	5.99	36.00	30.01	36.00	30.01
5825	-8.80	1.65	10.00	3.30	2.85	30.00	27.15	30.00	27.15	6.15	36.00	29.85	36.00	29.85

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (22.719 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

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

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 19, 2024	SR5	23 deg.C	40 %RH	Yosuke Murakami
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11ax-20(OFDM), MIMO

ANT1 + ANT2

Tested Freq.	Conducted power								e.i.r.p.									
	Antenna			Result	FCC 15.407			RSS-247		Antenna			Result	FCC 15.407			RSS-247	
	ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	Limit [dBm]		Margin [dB]	Limit [dBm]	Margin [dB]		
[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dB]
5180	1.69	1.64	3.33	5.22	23.97	18.75	-	-	3.60	3.51	7.11	8.52	29.97	21.45	11.77	3.25		
5220	1.63	1.67	3.30	5.18	23.97	18.79	-	-	3.49	3.56	7.05	8.48	29.97	21.49	11.77	3.29		
5240	1.69	1.68	3.37	5.27	23.97	18.70	-	-	3.60	3.60	7.20	8.57	29.97	21.40	11.77	3.20		
5260	1.65	1.61	3.26	5.13	23.97	18.84	-	-	3.52	3.45	6.97	8.43	29.97	21.54	11.77	3.34		
5300	1.64	1.68	3.33	5.22	23.97	18.75	-	-	3.51	3.60	7.11	8.52	29.97	21.45	11.77	3.25		
5320	1.63	1.70	3.33	5.23	23.97	18.74	-	-	3.49	3.64	7.13	8.53	29.97	21.44	11.77	3.24		
5500	1.67	1.74	3.41	5.32	23.97	18.65	23.80	18.48	3.57	3.72	7.28	8.62	29.97	21.35	29.80	21.18		
5580	1.68	1.76	3.43	5.36	23.97	18.61	23.80	18.44	3.58	3.76	7.34	8.66	29.97	21.31	29.80	21.14		
5700	1.67	1.82	3.50	5.44	23.97	18.53	23.80	18.36	3.58	3.90	7.47	8.74	29.97	21.23	29.80	21.06		
5720	1.62	1.80	3.43	5.35	23.97	18.62	23.80	18.45	3.47	3.85	7.32	8.65	29.97	21.32	29.80	21.15		
5745	1.74	1.88	3.62	5.59	30.00	24.41	30.00	24.41	3.71	4.03	7.74	8.89	36.00	27.11	36.00	27.11		
5785	1.62	1.87	3.49	5.43	30.00	24.57	30.00	24.57	3.46	4.00	7.46	8.73	36.00	27.27	36.00	27.27		
5825	1.59	1.95	3.54	5.49	30.00	24.51	30.00	24.51	3.41	4.16	7.57	8.79	36.00	27.21	36.00	27.21		

Tested Freq. [MHz]	-	ANT1						ANT2					
		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5180	-	-9.22	1.55	9.94	3.30	2.27	5.57	-9.36	1.52	9.99	3.30	2.15	5.45
5220	-	-9.36	1.55	9.94	3.30	2.13	5.43	-9.29	1.52	9.99	3.30	2.22	5.52
5240	-	-9.32	1.65	9.94	3.30	2.27	5.57	-9.33	1.60	9.99	3.30	2.26	5.56
5260	-	-9.36	1.59	9.94	3.30	2.17	5.47	-9.47	1.56	9.99	3.30	2.08	5.38
5300	-	-9.37	1.59	9.94	3.30	2.16	5.46	-9.29	1.56	9.99	3.30	2.26	5.56
5320	-	-9.51	1.70	9.94	3.30	2.13	5.43	-9.33	1.65	9.99	3.30	2.31	5.61
5500	-	-9.36	1.64	9.94	3.30	2.22	5.52	-9.23	1.63	10.00	3.30	2.40	5.70
5580	-	-9.35	1.65	9.94	3.30	2.24	5.54	-9.19	1.64	10.00	3.30	2.45	5.75
5700	-	-9.33	1.62	9.94	3.30	2.23	5.53	-9.00	1.61	10.00	3.30	2.61	5.91
5720	-	-9.46	1.62	9.94	3.30	2.10	5.40	-9.06	1.62	10.00	3.30	2.56	5.86
5745	-	-9.20	1.65	9.94	3.30	2.39	5.69	-8.88	1.63	10.00	3.30	2.75	6.05
5785	-	-9.50	1.65	9.94	3.30	2.09	5.39	-8.91	1.63	10.00	3.30	2.72	6.02
5825	-	-9.57	1.65	9.94	3.30	2.02	5.32	-8.76	1.65	10.00	3.30	2.89	6.19

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = G_{ANT} + Array Gain

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (22.719 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

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

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	20 deg.C	34 %RH	Shiro Kobayashi

11ax-20(OFDMA), 26-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power						e.i.r.p.					
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247			
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin		
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[dBm]	[dB]	[dB]	[dBm]	[dB]		
5180	0	-8.95	1.52	9.99	3.30	2.56	23.97	21.41	-	-	5.86	29.97	24.11	11.77	5.91		
5220	4	-9.32	1.52	9.99	3.30	2.19	23.97	21.78	-	-	5.49	29.97	24.48	11.77	6.28		
5240	8	-8.97	1.60	9.99	3.30	2.62	23.97	21.35	-	-	5.92	29.97	24.05	11.77	5.85		
5260	0	-9.13	1.56	9.99	3.30	2.42	23.66	21.24	-	-	5.72	29.97	24.25	11.77	6.05		
5300	4	-9.58	1.56	9.99	3.30	1.97	23.66	21.69	-	-	5.27	29.97	24.70	11.77	6.50		
5320	8	-9.12	1.65	9.99	3.30	2.52	23.66	21.14	-	-	5.82	29.97	24.15	11.77	5.95		
5500	0	-9.34	1.63	10.00	3.30	2.29	23.66	21.37	23.34	21.05	5.59	29.97	24.38	29.34	23.75		
5580	4	-9.59	1.64	10.00	3.30	2.05	23.66	21.61	23.34	21.29	5.35	29.97	24.62	29.34	23.99		
5700	8	-8.97	1.61	10.00	3.30	2.64	23.66	21.02	23.34	20.70	5.94	29.97	24.03	29.34	23.40		
5720	8	-9.06	1.62	10.00	3.30	2.56	23.66	21.10	23.34	20.78	5.86	29.97	24.11	29.34	23.48		
5745	0	-8.80	1.63	10.00	3.30	2.83	30.00	27.17	30.00	27.17	6.13	36.00	29.87	36.00	29.87		
5785	4	-9.33	1.63	10.00	3.30	2.30	30.00	27.70	30.00	27.70	5.60	36.00	30.40	36.00	30.40		
5825	8	-8.80	1.65	10.00	3.30	2.85	30.00	27.15	30.00	27.15	6.15	36.00	29.85	36.00	29.85		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (18.454 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (17.164 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	20 deg.C	34 %RH	Shiro Kobayashi

11ax-20(OFDMA), 26-tone RU, MIMO
ANT1 + ANT2

Tested Freq. [MHz]	RU Index	Antenna			Conducted power				e.i.r.p.				FCC 15.407				RSS-247			
		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]			Limit [dBm]	Margin [dB]		
5180	0	1.50	1.62	3.12	4.95	23.97	19.02	-	3.21	3.47	6.68	8.25	29.97	21.72	11.77	3.52				
5220	4	1.44	1.53	2.97	4.73	23.97	19.24	-	3.09	3.27	6.35	8.03	29.97	21.94	11.77	3.74				
5240	8	1.75	1.71	3.47	5.40	23.97	18.57	-	3.75	3.66	7.41	8.70	29.97	21.27	11.77	3.07				
5260	0	1.55	1.66	3.21	5.06	23.66	18.60	-	3.31	3.55	6.86	8.36	29.97	21.61	11.77	3.41				
5300	4	1.49	1.52	3.02	4.79	23.66	18.87	-	3.19	3.26	6.45	8.09	29.97	21.88	11.77	3.68				
5320	8	1.64	1.69	3.32	5.22	23.66	18.44	-	3.50	3.61	7.10	8.52	29.97	21.45	11.77	3.25				
5500	0	1.65	1.69	3.34	5.24	23.66	18.42	23.34	3.52	3.61	7.14	8.54	29.97	21.43	29.34	20.80				
5580	4	1.42	1.56	2.98	4.74	23.66	18.92	23.34	3.03	3.34	6.37	8.04	29.97	21.93	29.34	21.30				
5700	8	1.55	1.83	3.38	5.29	23.66	18.37	23.34	3.31	3.92	7.23	8.59	29.97	21.38	29.34	20.75				
5720	8	1.53	1.80	3.33	5.22	23.66	18.44	23.34	3.27	3.85	7.11	8.52	29.97	21.45	29.34	20.82				
5745	0	1.73	1.87	3.61	5.57	30.00	24.43	30.00	3.70	4.01	7.71	8.87	36.00	27.13	36.00	27.13				
5785	4	1.44	1.65	3.09	4.90	30.00	25.10	30.00	3.07	3.53	6.60	8.20	36.00	27.80	36.00	27.80				
5825	8	1.61	1.91	3.53	5.47	30.00	24.53	30.00	3.45	4.09	7.54	8.77	36.00	27.23	36.00	27.23				

Tested Freq. [MHz]	RU Index	-	ANT1						ANT2					
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5180	0	-	-9.72	1.55	9.94	3.30	1.77	5.07	-9.41	1.52	9.99	3.30	2.10	5.40
5220	4	-	-9.89	1.55	9.94	3.30	1.60	4.90	-9.67	1.52	9.99	3.30	1.84	5.14
5240	8	-	-9.15	1.65	9.94	3.30	2.44	5.74	-9.25	1.60	9.99	3.30	2.34	5.64
5260	0	-	-9.63	1.59	9.94	3.30	1.90	5.20	-9.35	1.56	9.99	3.30	2.20	5.50
5300	4	-	-9.79	1.59	9.94	3.30	1.74	5.04	-9.72	1.56	9.99	3.30	1.83	5.13
5320	8	-	-9.50	1.70	9.94	3.30	2.14	5.44	-9.37	1.65	9.99	3.30	2.27	5.57
5500	0	-	-9.41	1.64	9.94	3.30	2.17	5.47	-9.35	1.63	10.00	3.30	2.28	5.58
5580	4	-	-10.08	1.65	9.94	3.30	1.51	4.81	-9.70	1.64	10.00	3.30	1.94	5.24
5700	8	-	-9.66	1.62	9.94	3.30	1.90	5.20	-8.98	1.61	10.00	3.30	2.63	5.93
5720	8	-	-9.72	1.62	9.94	3.30	1.84	5.14	-9.07	1.62	10.00	3.30	2.55	5.85
5745	0	-	-9.21	1.65	9.94	3.30	2.38	5.68	-8.90	1.63	10.00	3.30	2.73	6.03
5785	4	-	-10.02	1.65	9.94	3.30	1.57	4.87	-9.45	1.63	10.00	3.30	2.18	5.48
5825	8	-	-9.52	1.65	9.94	3.30	2.07	5.37	-8.83	1.65	10.00	3.30	2.82	6.12

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT1} + \text{Array Gain}$ * G_{ANT1} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (18.454 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (17.164 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	20 deg.C	34 %RH	Shiro Kobayashi

11ax-20(OFDMA), 52-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power						e.i.r.p.					
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247			
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin		
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]		
5180	37	-8.75	1.52	9.99	3.30	2.76	23.97	21.21	-	-	6.06	29.97	23.91	11.77	5.71		
5220	38	-8.92	1.52	9.99	3.30	2.59	23.97	21.38	-	-	5.89	29.97	24.08	11.77	5.88		
5240	40	-8.76	1.60	9.99	3.30	2.83	23.97	21.14	-	-	6.13	29.97	23.84	11.77	5.64		
5260	37	-8.95	1.56	9.99	3.30	2.60	23.73	21.13	-	-	5.90	29.97	24.07	11.77	5.87		
5300	38	-9.11	1.56	9.99	3.30	2.44	23.73	21.29	-	-	5.74	29.97	24.23	11.77	6.03		
5320	40	-8.87	1.65	9.99	3.30	2.77	23.73	20.96	-	-	6.07	29.97	23.90	11.77	5.70		
5500	37	-8.96	1.63	10.00	3.30	2.67	23.73	21.06	23.35	20.68	5.97	29.97	24.00	29.35	23.38		
5580	38	-9.11	1.64	10.00	3.30	2.53	23.73	21.20	23.35	20.82	5.83	29.97	24.14	29.35	23.52		
5700	40	-8.77	1.61	10.00	3.30	2.84	23.73	20.89	23.35	20.51	6.14	29.97	23.83	29.35	23.21		
5720	40	-8.84	1.62	10.00	3.30	2.78	23.73	20.95	23.35	20.57	6.08	29.97	23.89	29.35	23.27		
5745	37	-9.07	1.63	10.00	3.30	2.56	30.00	27.44	30.00	27.44	5.86	36.00	30.14	36.00	30.14		
5785	38	-9.38	1.63	10.00	3.30	2.25	30.00	27.75	30.00	27.75	5.55	36.00	30.45	36.00	30.45		
5825	40	-9.11	1.65	10.00	3.30	2.54	30.00	27.46	30.00	27.46	5.84	36.00	30.16	36.00	30.16		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (18.790 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (17.187 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	20 deg.C	34 %RH	Shiro Kobayashi

11ax-20(OFDMA), 52-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Antenna			Conducted power						e.i.r.p.							
		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407		RSS-247		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407		RSS-247		
[MHz]						Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]					Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	
5180	37	1.64	1.75	3.39	5.30	23.97	18.67	-	-	3.51	3.74	7.25	8.60	29.97	21.37	11.77	3.17	
5220	38	1.57	1.77	3.34	5.24	23.97	18.73	-	-	3.35	3.79	7.14	8.54	29.97	21.43	11.77	3.23	
5240	40	1.84	1.80	3.64	5.61	23.97	18.36	-	-	3.94	3.85	7.79	8.91	29.97	21.06	11.77	2.86	
5260	37	1.66	1.75	3.41	5.33	23.73	18.40	-	-	3.55	3.74	7.29	8.63	29.97	21.34	11.77	3.14	
5300	38	1.57	1.70	3.27	5.15	23.73	18.58	-	-	3.36	3.64	7.00	8.45	29.97	21.52	11.77	3.32	
5320	40	1.73	1.79	3.52	5.47	23.73	18.26	-	-	3.70	3.84	7.53	8.77	29.97	21.20	11.77	3.00	
5500	37	1.81	1.82	3.63	5.60	23.73	18.13	23.35	17.75	3.87	3.88	7.75	8.90	29.97	21.07	29.35	20.45	
5580	38	1.79	1.84	3.63	5.60	23.73	18.13	23.35	17.75	3.83	3.94	7.77	8.90	29.97	21.07	29.35	20.45	
5700	40	1.69	1.95	3.65	5.62	23.73	18.11	23.35	17.73	3.62	4.18	7.80	8.92	29.97	21.05	29.35	20.43	
5720	40	1.64	1.93	3.57	5.53	23.73	18.20	23.35	17.82	3.51	4.12	7.63	8.83	29.97	21.14	29.35	20.52	
5745	37	1.65	1.82	3.47	5.40	30.00	24.60	30.00	24.60	3.53	3.88	7.42	8.70	36.00	27.30	36.00	27.30	
5785	38	1.68	1.49	3.17	5.01	30.00	24.99	30.00	24.99	3.58	3.18	6.77	8.31	36.00	27.69	36.00	27.69	
5825	40	1.55	1.83	3.39	5.30	30.00	24.70	30.00	24.70	3.32	3.92	7.24	8.60	36.00	27.40	36.00	27.40	

			ANT1						ANT2					
Tested Freq.	RU Index	Duty Factor	Reading	Cable Loss	Atten. Loss	Directional Gain	Result		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]
5180	37	0.00	-9.34	1.55	9.94	3.30	2.15	5.45	-9.08	1.52	9.99	3.30	2.43	5.73
5220	38	0.00	-9.54	1.55	9.94	3.30	1.95	5.25	-9.02	1.52	9.99	3.30	2.49	5.79
5240	40	0.00	-8.93	1.65	9.94	3.30	2.66	5.96	-9.04	1.60	9.99	3.30	2.55	5.85
5260	37	0.00	-9.33	1.59	9.94	3.30	2.20	5.50	-9.12	1.56	9.99	3.30	2.43	5.73
5300	38	0.00	-9.57	1.59	9.94	3.30	1.96	5.26	-9.24	1.56	9.99	3.30	2.31	5.61
5320	40	0.00	-9.26	1.70	9.94	3.30	2.38	5.68	-9.10	1.65	9.99	3.30	2.54	5.84
5500	37	0.00	-9.00	1.64	9.94	3.30	2.58	5.88	-9.04	1.63	10.00	3.30	2.59	5.89
5580	38	0.00	-9.06	1.65	9.94	3.30	2.53	5.83	-8.99	1.64	10.00	3.30	2.65	5.95
5700	40	0.00	-9.28	1.62	9.94	3.30	2.28	5.58	-8.70	1.61	10.00	3.30	2.91	6.21
5720	40	0.00	-9.41	1.62	9.94	3.30	2.15	5.45	-8.77	1.62	10.00	3.30	2.85	6.15
5745	37	0.00	-9.41	1.65	9.94	3.30	2.18	5.48	-9.04	1.63	10.00	3.30	2.59	5.89
5785	38	0.00	-9.35	1.65	9.94	3.30	2.24	5.54	-9.90	1.63	10.00	3.30	1.73	5.03
5825	40	0.00	-9.68	1.65	9.94	3.30	1.91	5.21	-9.02	1.65	10.00	3.30	2.63	5.93

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor

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

Directional Gain = $G_{ANT1} + \text{Array Gain}$ * G_{ANT1} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (18.790 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (17.187 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	20 deg.C	34 %RH	Shiro Kobayashi

11ax-20(OFDMA), 106-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5180	53	-8.83	1.52	9.99	3.30	2.68	23.97	21.29	-	-	5.98	29.97	23.99	11.77	5.79
5220	53	-8.75	1.52	9.99	3.30	2.76	23.97	21.21	-	-	6.06	29.97	23.91	11.77	5.71
5240	54	-8.82	1.60	9.99	3.30	2.77	23.97	21.20	-	-	6.07	29.97	23.90	11.77	5.70
5260	53	-8.94	1.56	9.99	3.30	2.61	23.97	21.36	-	-	5.91	29.97	24.06	11.77	5.86
5300	53	-8.84	1.56	9.99	3.30	2.71	23.97	21.26	-	-	6.01	29.97	23.96	11.77	5.76
5320	54	-8.85	1.65	9.99	3.30	2.79	23.97	21.18	-	-	6.09	29.97	23.88	11.77	5.68
5500	53	-9.01	1.63	10.00	3.30	2.62	23.97	21.35	23.59	20.97	5.92	29.97	24.05	29.59	23.67
5580	53	-8.96	1.64	10.00	3.30	2.68	23.97	21.29	23.59	20.91	5.98	29.97	23.99	29.59	23.61
5700	54	-8.75	1.61	10.00	3.30	2.86	23.97	21.11	23.59	20.73	6.16	29.97	23.81	29.59	23.43
5720	54	-8.83	1.62	10.00	3.30	2.79	23.97	21.18	23.59	20.80	6.09	29.97	23.88	29.59	23.50
5745	53	-9.06	1.63	10.00	3.30	2.57	30.00	27.43	30.00	27.43	5.87	36.00	30.13	36.00	30.13
5785	53	-9.13	1.63	10.00	3.30	2.50	30.00	27.50	30.00	27.50	5.80	36.00	30.20	36.00	30.20
5825	54	-9.08	1.65	10.00	3.30	2.57	30.00	27.43	30.00	27.43	5.87	36.00	30.13	36.00	30.13

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (20.260 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (18.194 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	20 deg.C	34 %RH	Shiro Kobayashi

11ax-20(OFDMA), 106-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Antenna			Conducted power						e.i.r.p.							
		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407		RSS-247		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407		RSS-247		
[MHz]						Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]					Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	
5180	53	1.65	1.77	3.42	5.34	23.97	18.63	-	-	3.52	3.79	7.31	8.64	29.97	21.33	11.77	3.13	
5220	53	1.62	1.81	3.44	5.36	23.97	18.61	-	-	3.47	3.87	7.35	8.66	29.97	21.31	11.77	3.11	
5240	54	1.83	1.82	3.64	5.61	23.97	18.36	-	-	3.91	3.88	7.79	8.91	29.97	21.06	11.77	2.86	
5260	53	1.64	1.75	3.39	5.30	23.97	18.67	-	-	3.51	3.73	7.25	8.60	29.97	21.37	11.77	3.17	
5300	53	1.67	1.81	3.48	5.42	23.97	18.55	-	-	3.57	3.87	7.44	8.72	29.97	21.25	11.77	3.05	
5320	54	1.73	1.82	3.55	5.51	23.97	18.46	-	-	3.71	3.89	7.60	8.81	29.97	21.16	11.77	2.96	
5500	53	1.76	1.79	3.56	5.51	23.97	18.46	23.59	18.08	3.77	3.84	7.60	8.81	29.97	21.16	29.59	20.78	
5580	53	1.77	1.86	3.63	5.60	23.97	18.37	23.59	17.99	3.78	3.98	7.76	8.90	29.97	21.07	29.59	20.69	
5700	54	1.70	1.92	3.62	5.59	23.97	18.38	23.59	18.00	3.64	4.10	7.74	8.89	29.97	21.08	29.59	20.70	
5720	54	1.67	1.92	3.59	5.55	23.97	18.42	23.59	18.04	3.58	4.10	7.68	8.85	29.97	21.12	29.59	20.74	
5745	53	1.65	1.82	3.47	5.41	30.00	24.59	30.00	24.59	3.53	3.89	7.43	8.71	36.00	27.29	36.00	27.29	
5785	53	1.54	1.77	3.32	5.21	30.00	24.79	30.00	24.79	3.30	3.79	7.09	8.51	36.00	27.49	36.00	27.49	
5825	54	1.51	1.81	3.32	5.21	30.00	24.79	30.00	24.79	3.23	3.86	7.10	8.51	36.00	27.49	36.00	27.49	

Tested Freq. [MHz]	RU Index	-	ANT1						ANT2					
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5180	53	-	-9.32	1.55	9.94	3.30	2.17	5.47	-9.02	1.52	9.99	3.30	2.49	5.79
5220	53	-	-9.38	1.55	9.94	3.30	2.11	5.41	-8.93	1.52	9.99	3.30	2.58	5.88
5240	54	-	-8.97	1.65	9.94	3.30	2.62	5.92	-9.00	1.60	9.99	3.30	2.59	5.89
5260	53	-	-9.37	1.59	9.94	3.30	2.16	5.46	-9.13	1.56	9.99	3.30	2.42	5.72
5300	53	-	-9.30	1.59	9.94	3.30	2.23	5.53	-8.97	1.56	9.99	3.30	2.58	5.88
5320	54	-	-9.25	1.70	9.94	3.30	2.39	5.69	-9.04	1.65	9.99	3.30	2.60	5.90
5500	53	-	-9.12	1.64	9.94	3.30	2.46	5.76	-9.09	1.63	10.00	3.30	2.54	5.84
5580	53	-	-9.12	1.65	9.94	3.30	2.47	5.77	-8.94	1.64	10.00	3.30	2.70	6.00
5700	54	-	-9.25	1.62	9.94	3.30	2.31	5.61	-8.78	1.61	10.00	3.30	2.83	6.13
5720	54	-	-9.33	1.62	9.94	3.30	2.23	5.53	-8.79	1.62	10.00	3.30	2.83	6.13
5745	53	-	-9.41	1.65	9.94	3.30	2.18	5.48	-9.03	1.63	10.00	3.30	2.60	5.90
5785	53	-	-9.71	1.65	9.94	3.30	1.88	5.18	-9.14	1.63	10.00	3.30	2.49	5.79
5825	54	-	-9.80	1.65	9.94	3.30	1.79	5.09	-9.08	1.65	10.00	3.30	2.57	5.87

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT1} + \text{Array Gain}$ * G_{ANT1} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (20.260 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (18.194 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	20 deg.C	34 %RH	Shiro Kobayashi

11ax-20(OFDMA), 242-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5180	61	-8.86	1.52	9.99	3.30	2.65	23.97	21.32	-	-	5.95	29.97	24.02	11.77	5.82
5220	61	-8.83	1.52	9.99	3.30	2.68	23.97	21.29	-	-	5.98	29.97	23.99	11.77	5.79
5240	61	-8.89	1.60	9.99	3.30	2.70	23.97	21.27	-	-	6.00	29.97	23.97	11.77	5.77
5260	61	-8.88	1.56	9.99	3.30	2.67	23.97	21.30	-	-	5.97	29.97	24.00	11.77	5.80
5300	61	-8.82	1.56	9.99	3.30	2.73	23.97	21.24	-	-	6.03	29.97	23.94	11.77	5.74
5320	61	-8.94	1.65	9.99	3.30	2.70	23.97	21.27	-	-	6.00	29.97	23.97	11.77	5.77
5500	61	-9.05	1.63	10.00	3.30	2.58	23.97	21.39	23.79	21.21	5.88	29.97	24.09	29.79	23.91
5580	61	-8.94	1.64	10.00	3.30	2.70	23.97	21.27	23.79	21.09	6.00	29.97	23.97	29.79	23.79
5700	61	-8.80	1.61	10.00	3.30	2.81	23.97	21.16	23.79	20.98	6.11	29.97	23.86	29.79	23.68
5720	61	-8.85	1.62	10.00	3.30	2.77	23.97	21.20	23.79	21.02	6.07	29.97	23.90	29.79	23.72
5745	61	-9.07	1.63	10.00	3.30	2.56	30.00	27.44	30.00	27.44	5.86	36.00	30.14	36.00	30.14
5785	61	-9.21	1.63	10.00	3.30	2.42	30.00	27.58	30.00	27.58	5.72	36.00	30.28	36.00	30.28
5825	61	-9.13	1.65	10.00	3.30	2.52	30.00	27.48	30.00	27.48	5.82	36.00	30.18	36.00	30.18

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (22.306 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (19.038 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 25, 2024	SR5	20 deg.C	34 %RH	Shiro Kobayashi

11ax-20(OFDMA), 242-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Conducted power										e.i.r.p.									
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247		
		ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	Limit [dBm]	Margin [dB]		Limit [dBm]	Margin [dB]				
[MHz]					[dBm]	[dBm]	[dB]				[dBm]	[dB]			[dBm]	[dBm]	[dB]			[dBm]	[dB]
5180	61	1.79	1.70	3.49	5.43	23.97	18.54	-	-	3.83	3.63	7.46	8.73	29.97	21.24	11.77	3.04				
5220	61	1.71	1.75	3.46	5.38	23.97	18.59	-	-	3.65	3.73	7.39	8.68	29.97	21.29	11.77	3.09				
5240	61	1.79	1.73	3.52	5.47	23.97	18.50	-	-	3.83	3.71	7.53	8.77	29.97	21.20	11.77	3.00				
5260	61	1.75	1.69	3.44	5.37	23.97	18.60	-	-	3.75	3.61	7.35	8.67	29.97	21.30	11.77	3.10				
5300	61	1.72	1.76	3.48	5.42	23.97	18.55	-	-	3.67	3.77	7.44	8.72	29.97	21.25	11.77	3.05				
5320	61	1.75	1.77	3.52	5.46	23.97	18.51	-	-	3.74	3.78	7.52	8.76	29.97	21.21	11.77	3.01				
5500	61	1.83	1.79	3.62	5.59	23.97	18.38	23.79	18.20	3.92	3.83	7.75	8.89	29.97	21.08	29.79	20.90				
5580	61	1.73	1.85	3.58	5.54	23.97	18.43	23.79	18.25	3.71	3.95	7.66	8.84	29.97	21.13	29.79	20.95				
5700	61	1.72	1.93	3.64	5.61	23.97	18.36	23.79	18.18	3.67	4.12	7.79	8.91	29.97	21.06	29.79	20.88				
5720	61	1.70	1.89	3.59	5.55	23.97	18.42	23.79	18.24	3.63	4.05	7.68	8.85	29.97	21.12	29.79	20.94				
5745	61	1.62	1.81	3.43	5.36	30.00	24.64	30.00	24.64	3.47	3.87	7.34	8.66	36.00	27.34	36.00	27.34				
5785	61	1.54	1.73	3.27	5.15	30.00	24.85	30.00	24.85	3.29	3.71	7.00	8.45	36.00	27.55	36.00	27.55				
5825	61	1.54	1.81	3.34	5.24	30.00	24.76	30.00	24.76	3.28	3.86	7.15	8.54	36.00	27.46	36.00	27.46				

Tested Freq. [MHz]	RU Index	-	ANT1						ANT2					
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5180	61	-	-8.96	1.55	9.94	3.30	2.53	5.83	-9.21	1.52	9.99	3.30	2.30	5.60
5220	61	-	-9.16	1.55	9.94	3.30	2.33	5.63	-9.09	1.52	9.99	3.30	2.42	5.72
5240	61	-	-9.06	1.65	9.94	3.30	2.53	5.83	-9.20	1.60	9.99	3.30	2.39	5.69
5260	61	-	-9.09	1.59	9.94	3.30	2.44	5.74	-9.28	1.56	9.99	3.30	2.27	5.57
5300	61	-	-9.18	1.59	9.94	3.30	2.35	5.65	-9.09	1.56	9.99	3.30	2.46	5.76
5320	61	-	-9.21	1.70	9.94	3.30	2.43	5.73	-9.17	1.65	9.99	3.30	2.47	5.77
5500	61	-	-8.95	1.64	9.94	3.30	2.63	5.93	-9.10	1.63	10.00	3.30	2.53	5.83
5580	61	-	-9.20	1.65	9.94	3.30	2.39	5.69	-8.97	1.64	10.00	3.30	2.67	5.97
5700	61	-	-9.22	1.62	9.94	3.30	2.34	5.64	-8.76	1.61	10.00	3.30	2.85	6.15
5720	61	-	-9.26	1.62	9.94	3.30	2.30	5.60	-8.85	1.62	10.00	3.30	2.77	6.07
5745	61	-	-9.49	1.65	9.94	3.30	2.10	5.40	-9.05	1.63	10.00	3.30	2.58	5.88
5785	61	-	-9.72	1.65	9.94	3.30	1.87	5.17	-9.24	1.63	10.00	3.30	2.39	5.69
5825	61	-	-9.73	1.65	9.94	3.30	1.86	5.16	-9.08	1.65	10.00	3.30	2.57	5.87

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT1} + \text{Array Gain}$ * G_{ANT1} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (22.306 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (19.038 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Clio device was applied. (U-NII-1 for FCC)

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11ac-40, SISO

Antenna Port: ANT2

Tested Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
					Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
						Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	-7.75	1.52	9.99	3.30	3.76	23.97	20.21	-	-	7.06	29.97	22.91	11.77	4.71
5230	-7.73	1.52	9.99	3.30	3.78	23.97	20.19	-	-	7.08	29.97	22.89	11.77	4.69
5270	-7.72	1.56	9.99	3.30	3.83	23.97	20.14	-	-	7.13	29.97	22.84	11.77	4.64
5310	-7.65	1.56	9.99	3.30	3.90	23.97	20.07	-	-	7.20	29.97	22.77	11.77	4.57
5510	-7.85	1.63	10.00	3.30	3.78	23.97	20.19	23.97	20.19	7.08	29.97	22.89	30.00	22.92
5550	-7.87	1.64	10.00	3.30	3.77	23.97	20.20	23.97	20.20	7.07	29.97	22.90	30.00	22.93
5670	-7.90	1.61	10.00	3.30	3.71	23.97	20.26	23.97	20.26	7.01	29.97	22.96	30.00	22.99
5710	-7.77	1.62	10.00	3.30	3.85	23.97	20.12	23.97	20.12	7.15	29.97	22.82	30.00	22.85
5755	-7.71	1.63	10.00	3.30	3.92	30.00	26.08	30.00	26.08	7.22	36.00	28.78	36.00	28.78
5795	-7.64	1.63	10.00	3.30	3.99	30.00	26.01	30.00	26.01	7.29	36.00	28.71	36.00	28.71

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (44.479 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (36.628 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11ac-40, MIMO

ANT1 + ANT2

Tested Freq.	Conducted power								e.i.r.p.							
	Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247	
	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin
[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	2.23	2.25	4.48	6.52	23.97	17.45	-	-	4.76	4.82	9.58	9.82	29.97	20.15	11.77	1.95
5230	2.19	2.26	4.46	6.49	23.97	17.48	-	-	4.69	4.84	9.53	9.79	29.97	20.18	11.77	1.98
5270	2.17	2.30	4.47	6.51	23.97	17.46	-	-	4.65	4.92	9.57	9.81	29.97	20.16	11.77	1.96
5310	2.11	2.32	4.43	6.46	23.97	17.51	-	-	4.52	4.95	9.47	9.76	29.97	20.21	11.77	2.01
5510	2.18	2.37	4.54	6.57	23.97	17.40	23.97	17.40	4.66	5.06	9.71	9.87	29.97	20.10	30.00	20.13
5550	2.19	2.30	4.48	6.52	23.97	17.45	23.97	17.45	4.68	4.91	9.59	9.82	29.97	20.15	30.00	20.18
5670	2.17	2.34	4.51	6.54	23.97	17.43	23.97	17.43	4.63	5.00	9.63	9.84	29.97	20.13	30.00	20.16
5710	2.08	2.45	4.54	6.57	23.97	17.40	23.97	17.40	4.46	5.25	9.70	9.87	29.97	20.10	30.00	20.13
5755	2.19	2.48	4.67	6.69	30.00	23.31	30.00	23.31	4.68	5.30	9.97	9.99	36.00	26.01	36.00	26.01
5795	2.15	2.52	4.67	6.69	30.00	23.31	30.00	23.31	4.59	5.40	9.99	9.99	36.00	26.01	36.00	26.01

Tested Freq. [MHz]	-	ANT1							ANT2						
		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	
5190	-	-8.01	1.55	9.94	3.30	3.48	6.78	-7.98	1.52	9.99	3.30	3.53	6.83		
5230	-	-8.09	1.56	9.94	3.30	3.41	6.71	-7.96	1.52	9.99	3.30	3.55	6.85		
5270	-	-8.16	1.59	9.94	3.30	3.37	6.67	-7.93	1.56	9.99	3.30	3.62	6.92		
5310	-	-8.28	1.59	9.94	3.30	3.25	6.55	-7.90	1.56	9.99	3.30	3.65	6.95		
5510	-	-8.20	1.64	9.94	3.30	3.38	6.68	-7.89	1.63	10.00	3.30	3.74	7.04		
5550	-	-8.19	1.65	9.94	3.30	3.40	6.70	-8.03	1.64	10.00	3.30	3.61	6.91		
5670	-	-8.20	1.62	9.94	3.30	3.36	6.66	-7.92	1.61	10.00	3.30	3.69	6.99		
5710	-	-8.37	1.62	9.94	3.30	3.19	6.49	-7.72	1.62	10.00	3.30	3.90	7.20		
5755	-	-8.19	1.65	9.94	3.30	3.40	6.70	-7.69	1.63	10.00	3.30	3.94	7.24		
5795	-	-8.27	1.65	9.94	3.30	3.32	6.62	-7.61	1.63	10.00	3.30	4.02	7.32		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (44.479 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (36.628 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 23, 2024	SR5	20 deg.C	35 %RH	Huromasa Sato

11ax-40(OFDM), SISO

Antenna Port: ANT2

Tested Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
					Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
						Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	-8.80	1.52	9.99	3.30	2.71	23.97	21.26	-	-	6.01	29.97	23.96	11.77	5.76
5230	-8.82	1.52	9.99	3.30	2.69	23.97	21.28	-	-	5.99	29.97	23.98	11.77	5.78
5270	-8.92	1.56	9.99	3.30	2.63	23.97	21.34	-	-	5.93	29.97	24.04	11.77	5.84
5310	-8.80	1.56	9.99	3.30	2.75	23.97	21.22	-	-	6.05	29.97	23.92	11.77	5.72
5510	-9.02	1.63	10.00	3.30	2.61	23.97	21.36	23.97	21.36	5.91	29.97	24.06	30.00	24.09
5550	-8.93	1.64	10.00	3.30	2.71	23.97	21.26	23.97	21.26	6.01	29.97	23.96	30.00	23.99
5670	-8.90	1.61	10.00	3.30	2.71	23.97	21.26	23.97	21.26	6.01	29.97	23.96	30.00	23.99
5710	-8.82	1.62	10.00	3.30	2.80	23.97	21.17	23.97	21.17	6.10	29.97	23.87	30.00	23.90
5755	-8.68	1.63	10.00	3.30	2.95	30.00	27.05	30.00	27.05	6.25	36.00	29.75	36.00	29.75
5795	-8.66	1.63	10.00	3.30	2.97	30.00	27.03	30.00	27.03	6.27	36.00	29.73	36.00	29.73

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (44.528 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (38.006 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 23, 2024	SR5	20 deg.C	35 %RH	Hiromasa Sato

11ax-40(OFDM), MIMO

ANT1 + ANT2

Tested Freq.	Conducted power								e.i.r.p.							
	Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247	
	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin
[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	1.73	1.77	3.49	5.43	23.97	18.54	-	-	3.69	3.78	7.47	8.73	29.97	21.24	11.77	3.04
5230	1.71	1.78	3.49	5.43	23.97	18.54	-	-	3.66	3.80	7.46	8.73	29.97	21.24	11.77	3.04
5270	1.71	1.74	3.44	5.37	23.97	18.60	-	-	3.65	3.72	7.36	8.67	29.97	21.30	11.77	3.10
5310	1.70	1.76	3.46	5.39	23.97	18.58	-	-	3.63	3.76	7.39	8.69	29.97	21.28	11.77	3.08
5510	1.73	1.79	3.53	5.48	23.97	18.49	23.97	18.49	3.71	3.84	7.54	8.78	29.97	21.19	30.00	21.22
5550	1.73	1.82	3.56	5.51	23.97	18.46	23.97	18.46	3.71	3.90	7.61	8.81	29.97	21.16	30.00	21.19
5670	1.73	1.84	3.57	5.52	23.97	18.45	23.97	18.45	3.70	3.93	7.62	8.82	29.97	21.15	30.00	21.18
5710	1.71	1.90	3.61	5.57	23.97	18.40	23.97	18.40	3.66	4.06	7.71	8.87	29.97	21.10	30.00	21.13
5755	1.82	1.95	3.77	5.76	30.00	24.24	30.00	24.24	3.88	4.17	8.05	9.06	36.00	26.94	36.00	26.94
5795	1.68	1.96	3.65	5.62	30.00	24.38	30.00	24.38	3.60	4.20	7.80	8.92	36.00	27.08	36.00	27.08

Tested Freq. [MHz]	-	ANT1						ANT2					
		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5190	-	-9.12	1.55	9.94	3.30	2.37	5.67	-9.04	1.52	9.99	3.30	2.47	5.77
5230	-	-9.17	1.56	9.94	3.30	2.33	5.63	-9.01	1.52	9.99	3.30	2.50	5.80
5270	-	-9.21	1.59	9.94	3.30	2.32	5.62	-9.15	1.56	9.99	3.30	2.40	5.70
5310	-	-9.23	1.59	9.94	3.30	2.30	5.60	-9.10	1.56	9.99	3.30	2.45	5.75
5510	-	-9.19	1.64	9.94	3.30	2.39	5.69	-9.09	1.63	10.00	3.30	2.54	5.84
5550	-	-9.20	1.65	9.94	3.30	2.39	5.69	-9.03	1.64	10.00	3.30	2.61	5.91
5670	-	-9.18	1.62	9.94	3.30	2.38	5.68	-8.97	1.61	10.00	3.30	2.64	5.94
5710	-	-9.23	1.62	9.94	3.30	2.33	5.63	-8.84	1.62	10.00	3.30	2.78	6.08
5755	-	-9.00	1.65	9.94	3.30	2.59	5.89	-8.73	1.63	10.00	3.30	2.90	6.20
5795	-	-9.33	1.65	9.94	3.30	2.26	5.56	-8.70	1.63	10.00	3.30	2.93	6.23

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (44.528 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (38.006 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 06, 2025	SR5	21 deg.C	27 %RH	Makoto Hosaka

11ax-40(OFDMA), 26-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	0	-8.59	1.52	9.99	3.30	2.92	23.97	21.05	-	-	6.22	29.97	23.75	11.77	5.55
5230	17	-8.55	1.52	9.99	3.30	2.96	23.97	21.01	-	-	6.26	29.97	23.71	11.77	5.51
5270	0	-8.79	1.56	9.99	3.30	2.76	23.97	21.21	-	-	6.06	29.97	23.91	11.77	5.71
5310	17	-8.64	1.56	9.99	3.30	2.91	23.97	21.06	-	-	6.21	29.97	23.76	11.77	5.56
5510	0	-8.90	1.63	10.00	3.30	2.73	23.97	21.24	23.97	21.24	6.03	29.97	23.94	30.00	23.97
5550	8	-9.06	1.64	10.00	3.30	2.58	23.97	21.39	23.97	21.39	5.88	29.97	24.09	30.00	24.12
5670	17	-8.83	1.61	10.00	3.30	2.78	23.97	21.19	23.97	21.19	6.08	29.97	23.89	30.00	23.92
5710	17	-8.70	1.62	10.00	3.30	2.92	23.97	21.05	23.97	21.05	6.22	29.97	23.75	30.00	23.78
5755	0	-8.96	1.63	10.00	3.30	2.67	30.00	27.33	30.00	27.33	5.97	36.00	30.03	36.00	30.03
5795	17	-8.95	1.63	10.00	3.30	2.68	30.00	27.32	30.00	27.32	5.98	36.00	30.02	36.00	30.02

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (38.208 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (36.385 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 06, 2025	SR5	21 deg.C	27 %RH	Makoto Hosaka

11ax-40(OFDMA), 26-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Conducted power										e.i.r.p.													
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247						
[MHz]		ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	0	1.53	1.73	3.26	5.13	23.97	18.84	-	-	3.27	3.70	6.96	8.43	29.97	21.54	11.77	3.34								
5230	17	1.99	1.85	3.84	5.84	23.97	18.13	-	-	4.26	3.94	8.20	9.14	29.97	20.83	11.77	2.63								
5270	0	1.62	1.78	3.40	5.32	23.97	18.65	-	-	3.47	3.81	7.28	8.62	29.97	21.35	11.77	3.15								
5310	17	1.82	1.84	3.65	5.63	23.97	18.34	-	-	3.88	3.93	7.81	8.93	29.97	21.04	11.77	2.84								
5510	0	1.90	1.84	3.73	5.72	23.97	18.25	23.97	18.25	4.06	3.93	7.98	9.02	29.97	20.95	30.00	20.98								
5550	8	1.65	1.83	3.48	5.42	23.97	18.55	23.97	18.55	3.52	3.92	7.44	8.72	29.97	21.25	30.00	21.28								
5670	17	1.66	1.90	3.56	5.52	23.97	18.45	23.97	18.45	3.55	4.06	7.61	8.82	29.97	21.15	30.00	21.18								
5710	17	1.66	1.98	3.64	5.61	23.97	18.36	23.97	18.36	3.55	4.24	7.78	8.91	29.97	21.06	30.00	21.09								
5755	0	1.76	1.80	3.56	5.51	30.00	24.49	30.00	24.49	3.76	3.85	7.60	8.81	36.00	27.19	36.00	27.19								
5795	17	1.56	1.85	3.41	5.33	30.00	24.67	30.00	24.67	3.34	3.94	7.29	8.63	36.00	27.37	36.00	27.37								

Tested Freq. [MHz]	RU Index	-	ANT1							ANT2						
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	e.i.r.p. [dBm]
5190	0	-	-9.65	1.55	9.94	3.30	1.84	5.14	-9.13	1.52	9.99	3.30	2.38	5.68		
5230	17	-	-8.51	1.56	9.94	3.30	2.99	6.29	-8.85	1.52	9.99	3.30	2.66	5.96		
5270	0	-	-9.43	1.59	9.94	3.30	2.10	5.40	-9.04	1.56	9.99	3.30	2.51	5.81		
5310	17	-	-8.94	1.59	9.94	3.30	2.59	5.89	-8.91	1.56	9.99	3.30	2.64	5.94		
5510	0	-	-8.80	1.64	9.94	3.30	2.78	6.08	-8.99	1.63	10.00	3.30	2.64	5.94		
5550	8	-	-9.42	1.65	9.94	3.30	2.17	5.47	-9.01	1.64	10.00	3.30	2.63	5.93		
5670	17	-	-9.36	1.62	9.94	3.30	2.20	5.50	-8.82	1.61	10.00	3.30	2.79	6.09		
5710	17	-	-9.36	1.62	9.94	3.30	2.20	5.50	-8.65	1.62	10.00	3.30	2.97	6.27		
5755	0	-	-9.14	1.65	9.94	3.30	2.45	5.75	-9.08	1.63	10.00	3.30	2.55	5.85		
5795	17	-	-9.65	1.65	9.94	3.30	1.94	5.24	-8.97	1.63	10.00	3.30	2.66	5.96		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (38.208 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (36.385 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 06, 2025	SR5	21 deg.C	27 %RH	Makoto Hosaka

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

Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	37	-8.72	1.52	9.99	3.30	2.79	23.97	21.18	-	-	6.09	29.97	23.88	11.77	5.68
5230	44	-8.55	1.52	9.99	3.30	2.96	23.97	21.01	-	-	6.26	29.97	23.71	11.77	5.51
5270	37	-8.81	1.56	9.99	3.30	2.74	23.97	21.23	-	-	6.04	29.97	23.93	11.77	5.73
5310	44	-8.66	1.56	9.99	3.30	2.89	23.97	21.08	-	-	6.19	29.97	23.78	11.77	5.58
5510	37	-8.92	1.63	10.00	3.30	2.71	23.97	21.26	23.97	21.26	6.01	29.97	23.96	30.00	23.99
5550	40	-9.08	1.64	10.00	3.30	2.56	23.97	21.41	23.97	21.41	5.86	29.97	24.11	30.00	24.14
5670	44	-8.85	1.61	10.00	3.30	2.76	23.97	21.21	23.97	21.21	6.06	29.97	23.91	30.00	23.94
5710	44	-8.73	1.62	10.00	3.30	2.89	23.97	21.08	23.97	21.08	6.19	29.97	23.78	30.00	23.81
5755	37	-9.02	1.63	10.00	3.30	2.61	30.00	27.39	30.00	27.39	5.91	36.00	30.09	36.00	30.09
5795	44	-9.03	1.63	10.00	3.30	2.60	30.00	27.40	30.00	27.40	5.90	36.00	30.10	36.00	30.10

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (38.537 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (36.502 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 06, 2025	SR5	21 deg.C	27 %RH	Makoto Hosaka

11ax-40(OFDMA), 52-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Conducted power										e.i.r.p.							
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247
[MHz]		ANT1 [mW]	ANT2 [mW]	Sum [mW]		[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	37	1.50	1.76	3.26	5.13	23.97	18.84	-	-	3.21	3.76	6.97	8.43	29.97	21.54	11.77	3.34		
5230	44	1.97	1.87	3.84	5.85	23.97	18.12	-	-	4.21	4.01	8.22	9.15	29.97	20.82	11.77	2.62		
5270	37	1.61	1.82	3.43	5.35	23.97	18.62	-	-	3.44	3.90	7.33	8.65	29.97	21.32	11.77	3.12		
5310	44	1.79	1.81	3.60	5.56	23.97	18.41	-	-	3.82	3.87	7.69	8.86	29.97	21.11	11.77	2.91		
5510	37	1.88	1.79	3.67	5.65	23.97	18.32	23.97	18.32	4.02	3.84	7.85	8.95	29.97	21.02	30.00	21.05		
5550	40	1.67	1.83	3.50	5.44	23.97	18.53	23.97	18.53	3.57	3.91	7.48	8.74	29.97	21.23	30.00	21.26		
5670	44	1.67	1.91	3.57	5.53	23.97	18.44	23.97	18.44	3.56	4.07	7.64	8.83	29.97	21.14	30.00	21.17		
5710	44	1.70	2.00	3.70	5.68	23.97	18.29	23.97	18.29	3.64	4.27	7.90	8.98	29.97	20.99	30.00	21.02		
5755	37	1.76	1.80	3.56	5.52	30.00	24.48	30.00	24.48	3.76	3.85	7.61	8.82	36.00	27.18	36.00	27.18		
5795	44	1.56	1.84	3.40	5.31	30.00	24.69	30.00	24.69	3.33	3.93	7.26	8.61	36.00	27.39	36.00	27.39		

Tested Freq. [MHz]	RU Index	-	ANT1							ANT2						
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	e.i.r.p. [dBm]
5190	37	-	-9.72	1.55	9.94	3.30	1.77	5.07	-9.06	1.52	9.99	3.30	2.45	5.75		
5230	44	-	-8.56	1.56	9.94	3.30	2.94	6.24	-8.78	1.52	9.99	3.30	2.73	6.03		
5270	37	-	-9.47	1.59	9.94	3.30	2.06	5.36	-8.94	1.56	9.99	3.30	2.61	5.91		
5310	44	-	-9.01	1.59	9.94	3.30	2.52	5.82	-8.97	1.56	9.99	3.30	2.58	5.88		
5510	37	-	-8.84	1.64	9.94	3.30	2.74	6.04	-9.09	1.63	10.00	3.30	2.54	5.84		
5550	40	-	-9.36	1.65	9.94	3.30	2.23	5.53	-9.02	1.64	10.00	3.30	2.62	5.92		
5670	44	-	-9.34	1.62	9.94	3.30	2.22	5.52	-8.81	1.61	10.00	3.30	2.80	6.10		
5710	44	-	-9.25	1.62	9.94	3.30	2.31	5.61	-8.62	1.62	10.00	3.30	3.00	6.30		
5755	37	-	-9.14	1.65	9.94	3.30	2.45	5.75	-9.07	1.63	10.00	3.30	2.56	5.86		
5795	44	-	-9.66	1.65	9.94	3.30	1.93	5.23	-8.99	1.63	10.00	3.30	2.64	5.94		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (38.537 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (36.502 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 06, 2025	SR5	21 deg.C	27 %RH	Makoto Hosaka

11ax-40(OFDMA), 106-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	53	-9.31	1.52	9.99	3.30	2.20	23.97	21.77	-	-	5.50	29.97	24.47	11.77	6.27
5230	56	-9.13	1.52	9.99	3.30	2.38	23.97	21.59	-	-	5.68	29.97	24.29	11.77	6.09
5270	53	-8.85	1.56	9.99	3.30	2.70	23.97	21.27	-	-	6.00	29.97	23.97	11.77	5.77
5310	56	-8.67	1.56	9.99	3.30	2.88	23.97	21.09	-	-	6.18	29.97	23.79	11.77	5.59
5510	53	-8.99	1.63	10.00	3.30	2.64	23.97	21.33	23.97	21.33	5.94	29.97	24.03	30.00	24.06
5550	54	-9.12	1.64	10.00	3.30	2.52	23.97	21.45	23.97	21.45	5.82	29.97	24.15	30.00	24.18
5670	56	-8.91	1.61	10.00	3.30	2.70	23.97	21.27	23.97	21.27	6.00	29.97	23.97	30.00	24.00
5710	56	-8.80	1.62	10.00	3.30	2.82	23.97	21.15	23.97	21.15	6.12	29.97	23.85	30.00	23.88
5755	53	-9.16	1.63	10.00	3.30	2.47	30.00	27.53	30.00	27.53	5.77	36.00	30.23	36.00	30.23
5795	56	-9.07	1.63	10.00	3.30	2.56	30.00	27.44	30.00	27.44	5.86	36.00	30.14	36.00	30.14

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (39.195 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (36.525 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 06, 2025	SR5	21 deg.C	27 %RH	Makoto Hosaka

11ax-40(OFDMA), 106-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Conducted power										e.i.r.p.													
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247						
[MHz]		ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	53	1.32	1.56	2.87	4.59	23.97	19.38	-	-	2.81	3.33	6.15	7.89	29.97	22.08	11.77	3.88								
5230	56	1.78	1.62	3.40	5.31	23.97	18.66	-	-	3.80	3.46	7.26	8.61	29.97	21.36	11.77	3.16								
5270	53	1.58	1.76	3.34	5.24	23.97	18.73	-	-	3.38	3.77	7.15	8.54	29.97	21.43	11.77	3.23								
5310	56	1.79	1.83	3.62	5.59	23.97	18.38	-	-	3.83	3.91	7.74	8.89	29.97	21.08	11.77	2.88								
5510	53	1.82	1.80	3.62	5.59	23.97	18.38	23.97	18.38	3.89	3.85	7.74	8.89	29.97	21.08	30.00	21.11								
5550	54	1.74	1.79	3.53	5.48	23.97	18.49	23.97	18.49	3.72	3.83	7.54	8.78	29.97	21.19	30.00	21.22								
5670	56	1.68	1.87	3.55	5.51	23.97	18.46	23.97	18.46	3.59	4.01	7.60	8.81	29.97	21.16	30.00	21.19								
5710	56	1.67	1.91	3.59	5.55	23.97	18.42	23.97	18.42	3.58	4.09	7.67	8.85	29.97	21.12	30.00	21.15								
5755	53	1.72	1.79	3.51	5.45	30.00	24.55	30.00	24.55	3.68	3.82	7.50	8.75	36.00	27.25	36.00	27.25								
5795	56	1.48	1.79	3.27	5.15	30.00	24.85	30.00	24.85	3.16	3.84	7.00	8.45	36.00	27.55	36.00	27.55								

Tested Freq. [MHz]	RU Index	-	ANT1							ANT2						
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	e.i.r.p. [dBm]
5190	53	-	-10.30	1.55	9.94	3.30	1.19	4.49	-9.58	1.52	9.99	3.30	1.93	5.23		
5230	56	-	-9.00	1.56	9.94	3.30	2.50	5.80	-9.42	1.52	9.99	3.30	2.09	5.39		
5270	53	-	-9.54	1.59	9.94	3.30	1.99	5.29	-9.09	1.56	9.99	3.30	2.46	5.76		
5310	56	-	-9.00	1.59	9.94	3.30	2.53	5.83	-8.93	1.56	9.99	3.30	2.62	5.92		
5510	53	-	-8.98	1.64	9.94	3.30	2.60	5.90	-9.08	1.63	10.00	3.30	2.55	5.85		
5550	54	-	-9.19	1.65	9.94	3.30	2.40	5.70	-9.11	1.64	10.00	3.30	2.53	5.83		
5670	56	-	-9.31	1.62	9.94	3.30	2.25	5.55	-8.88	1.61	10.00	3.30	2.73	6.03		
5710	56	-	-9.32	1.62	9.94	3.30	2.24	5.54	-8.80	1.62	10.00	3.30	2.82	6.12		
5755	53	-	-9.23	1.65	9.94	3.30	2.36	5.66	-9.11	1.63	10.00	3.30	2.52	5.82		
5795	56	-	-9.89	1.65	9.94	3.30	1.70	5.00	-9.09	1.63	10.00	3.30	2.54	5.84		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (39.195 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (36.525 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 06, 2025	SR5	21 deg.C	27 %RH	Makoto Hosaka

11ax-40(OFDMA), 242-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	61	-8.79	1.52	9.99	3.30	2.72	23.97	21.25	-	-	6.02	29.97	23.95	11.77	5.75
5230	62	-8.72	1.52	9.99	3.30	2.79	23.97	21.18	-	-	6.09	29.97	23.88	11.77	5.68
5270	61	-8.89	1.56	9.99	3.30	2.66	23.97	21.31	-	-	5.96	29.97	24.01	11.77	5.81
5310	62	-8.92	1.56	9.99	3.30	2.63	23.97	21.34	-	-	5.93	29.97	24.04	11.77	5.84
5510	61	-9.12	1.63	10.00	3.30	2.51	23.97	21.46	23.97	21.46	5.81	29.97	24.16	30.00	24.19
5550	61	-9.14	1.64	10.00	3.30	2.50	23.97	21.47	23.97	21.47	5.80	29.97	24.17	30.00	24.20
5670	62	-9.03	1.61	10.00	3.30	2.58	23.97	21.39	23.97	21.39	5.88	29.97	24.09	30.00	24.12
5710	62	-8.89	1.62	10.00	3.30	2.73	23.97	21.24	23.97	21.24	6.03	29.97	23.94	30.00	23.97
5755	61	-9.19	1.63	10.00	3.30	2.44	30.00	27.56	30.00	27.56	5.74	36.00	30.26	36.00	30.26
5795	62	-9.13	1.63	10.00	3.30	2.50	30.00	27.50	30.00	27.50	5.80	36.00	30.20	36.00	30.20

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (41.630 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (37.369 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 06, 2025	SR5	21 deg.C	27 %RH	Makoto Hosaka

11ax-40(OFDMA), 242-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Conducted power									e.i.r.p.								
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247
[MHz]		ANT1 [mW]	ANT2 [mW]	Sum [mW]		[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	61	1.60	1.77	3.36	5.27	23.97	18.70	-	-	3.41	3.78	7.19	8.57	29.97	21.40	11.77	3.20		
5230	62	1.92	1.77	3.69	5.67	23.97	18.30	-	-	4.10	3.78	7.89	8.97	29.97	21.00	11.77	2.80		
5270	61	1.61	1.74	3.36	5.26	23.97	18.71	-	-	3.45	3.72	7.18	8.56	29.97	21.41	11.77	3.21		
5310	62	1.74	1.77	3.51	5.46	23.97	18.51	-	-	3.72	3.78	7.51	8.76	29.97	21.21	11.77	3.01		
5510	61	1.73	1.76	3.49	5.43	23.97	18.54	23.97	18.54	3.70	3.76	7.46	8.73	29.97	21.24	30.00	21.27		
5550	61	1.75	1.80	3.55	5.51	23.97	18.46	23.97	18.46	3.74	3.85	7.60	8.81	29.97	21.16	30.00	21.19		
5670	62	1.65	1.81	3.46	5.39	23.97	18.58	23.97	18.58	3.53	3.86	7.40	8.69	29.97	21.28	30.00	21.31		
5710	62	1.63	1.88	3.51	5.46	23.97	18.51	23.97	18.51	3.49	4.02	7.51	8.76	29.97	21.21	30.00	21.24		
5755	61	1.64	1.73	3.37	5.28	30.00	24.72	30.00	24.72	3.52	3.70	7.21	8.58	36.00	27.42	36.00	27.42		
5795	62	1.45	1.72	3.17	5.01	30.00	24.99	30.00	24.99	3.10	3.68	6.78	8.31	36.00	27.69	36.00	27.69		

Tested Freq. [MHz]	RU Index	-	ANT1							ANT2						
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	e.i.r.p. [dBm]
5190	61	-	-9.46	1.55	9.94	3.30	2.03	5.33	-9.04	1.52	9.99	3.30	2.47	5.77		
5230	62	-	-8.67	1.56	9.94	3.30	2.83	6.13	-9.03	1.52	9.99	3.30	2.48	5.78		
5270	61	-	-9.45	1.59	9.94	3.30	2.08	5.38	-9.14	1.56	9.99	3.30	2.41	5.71		
5310	62	-	-9.12	1.59	9.94	3.30	2.41	5.71	-9.07	1.56	9.99	3.30	2.48	5.78		
5510	61	-	-9.20	1.64	9.94	3.30	2.38	5.68	-9.18	1.63	10.00	3.30	2.45	5.75		
5550	61	-	-9.16	1.65	9.94	3.30	2.43	5.73	-9.08	1.64	10.00	3.30	2.56	5.86		
5670	62	-	-9.38	1.62	9.94	3.30	2.18	5.48	-9.04	1.61	10.00	3.30	2.57	5.87		
5710	62	-	-9.43	1.62	9.94	3.30	2.13	5.43	-8.88	1.62	10.00	3.30	2.74	6.04		
5755	61	-	-9.43	1.65	9.94	3.30	2.16	5.46	-9.25	1.63	10.00	3.30	2.38	5.68		
5795	62	-	-9.98	1.65	9.94	3.30	1.61	4.91	-9.27	1.63	10.00	3.30	2.36	5.66		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (41.630 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (37.369 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 06, 2025	SR5	21 deg.C	27 %RH	Makoto Hosaka

11ax-40(OFDMA), 484-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5190	65	-8.75	1.52	9.99	3.30	2.76	23.97	21.21	-	-	6.06	29.97	23.91	11.77	5.71
5230	65	-8.68	1.52	9.99	3.30	2.83	23.97	21.14	-	-	6.13	29.97	23.84	11.77	5.64
5270	65	-8.82	1.56	9.99	3.30	2.73	23.97	21.24	-	-	6.03	29.97	23.94	11.77	5.74
5310	65	-8.74	1.56	9.99	3.30	2.81	23.97	21.16	-	-	6.11	29.97	23.86	11.77	5.66
5510	65	-9.07	1.63	10.00	3.30	2.56	23.97	21.41	23.97	21.41	5.86	29.97	24.11	30.00	24.14
5550	65	-9.06	1.64	10.00	3.30	2.58	23.97	21.39	23.97	21.39	5.88	29.97	24.09	30.00	24.12
5670	65	-8.92	1.61	10.00	3.30	2.69	23.97	21.28	23.97	21.28	5.99	29.97	23.98	30.00	24.01
5710	65	-8.79	1.62	10.00	3.30	2.83	23.97	21.14	23.97	21.14	6.13	29.97	23.84	30.00	23.87
5755	65	-9.12	1.63	10.00	3.30	2.51	30.00	27.49	30.00	27.49	5.81	36.00	30.19	36.00	30.19
5795	65	-9.10	1.63	10.00	3.30	2.53	30.00	27.47	30.00	27.47	5.83	36.00	30.17	36.00	30.17

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (43.539 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (38.040 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 06, 2025	SR5	21 deg.C	27 %RH	Makoto Hosaka

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

ANT1 + ANT2

Tested Freq.	RU Index	Conducted power										e.i.r.p.													
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247						
[MHz]		ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5190	65	1.76	1.75	3.51	5.46	23.97	18.51	-	-	3.77	3.74	7.51	8.76	29.97	21.21	11.77	3.01								
5230	65	1.79	1.77	3.56	5.52	23.97	18.45	-	-	3.84	3.78	7.61	8.82	29.97	21.15	11.77	2.95								
5270	65	1.73	1.76	3.50	5.44	23.97	18.53	-	-	3.71	3.77	7.47	8.74	29.97	21.23	11.77	3.03								
5310	65	1.73	1.83	3.56	5.52	23.97	18.45	-	-	3.71	3.91	7.62	8.82	29.97	21.15	11.77	2.95								
5510	65	1.74	1.79	3.53	5.48	23.97	18.49	23.97	18.49	3.72	3.83	7.54	8.78	29.97	21.19	30.00	21.22								
5550	65	1.74	1.82	3.56	5.52	23.97	18.45	23.97	18.45	3.72	3.90	7.61	8.82	29.97	21.15	30.00	21.18								
5670	65	1.71	1.85	3.56	5.51	23.97	18.46	23.97	18.46	3.66	3.94	7.61	8.81	29.97	21.16	30.00	21.19								
5710	65	1.73	1.90	3.63	5.60	23.97	18.37	23.97	18.37	3.71	4.06	7.77	8.90	29.97	21.07	30.00	21.10								
5755	65	1.64	1.78	3.42	5.33	30.00	24.67	30.00	24.67	3.50	3.80	7.30	8.63	36.00	27.37	36.00	27.37								
5795	65	1.50	1.76	3.26	5.13	30.00	24.87	30.00	24.87	3.21	3.76	6.97	8.43	36.00	27.57	36.00	27.57								

ANT1								ANT2						
Tested Freq.	RU Index	-	Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Reading	Cable Loss	Atten. Loss	Directional Gain	Result	
							Cond. Power	e.i.r.p.					Cond. Power	e.i.r.p.
[MHz]			[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]
5190	65	-	-9.03	1.55	9.94	3.30	2.46	5.76	-9.08	1.52	9.99	3.30	2.43	5.73
5230	65	-	-8.96	1.56	9.94	3.30	2.54	5.84	-9.04	1.52	9.99	3.30	2.47	5.77
5270	65	-	-9.14	1.59	9.94	3.30	2.39	5.69	-9.09	1.56	9.99	3.30	2.46	5.76
5310	65	-	-9.14	1.59	9.94	3.30	2.39	5.69	-8.93	1.56	9.99	3.30	2.62	5.92
5510	65	-	-9.18	1.64	9.94	3.30	2.40	5.70	-9.10	1.63	10.00	3.30	2.53	5.83
5550	65	-	-9.19	1.65	9.94	3.30	2.40	5.70	-9.03	1.64	10.00	3.30	2.61	5.91
5670	65	-	-9.22	1.62	9.94	3.30	2.34	5.64	-8.95	1.61	10.00	3.30	2.66	5.96
5710	65	-	-9.17	1.62	9.94	3.30	2.39	5.69	-8.83	1.62	10.00	3.30	2.79	6.09
5755	65	-	-9.45	1.65	9.94	3.30	2.14	5.44	-9.13	1.63	10.00	3.30	2.50	5.80
5795	65	-	-9.82	1.65	9.94	3.30	1.77	5.07	-9.18	1.63	10.00	3.30	2.45	5.75

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (43.539 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (38.040 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11ac-80, SISO

Antenna Port: ANT2

Tested Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power						e.i.r.p.					
					Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247			
						Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin		
[MHz]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]		
5210	-7.84	1.52	9.99	3.30	3.67	23.97	20.30	-	-	6.97	29.97	23.00	11.77	4.80		
5290	-8.05	1.56	9.99	3.30	3.50	23.97	20.47	-	-	6.80	29.97	23.17	11.77	4.97		
5530	-8.19	1.64	10.00	3.30	3.45	23.97	20.52	23.97	20.52	6.75	29.97	23.22	30.00	23.25		
5610	-8.15	1.61	10.00	3.30	3.46	23.97	20.51	23.97	20.51	6.76	29.97	23.21	30.00	23.24		
5690	-7.88	1.61	10.00	3.30	3.73	23.97	20.24	23.97	20.24	7.03	29.97	22.94	30.00	22.97		
5775	-7.93	1.63	10.00	3.30	3.70	30.00	26.30	30.00	26.30	7.00	36.00	29.00	36.00	29.00		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (89.450 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (76.247 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11ac-80, MIMO

ANT1 + ANT2

Tested Freq.	Conducted power								e.i.r.p.							
	Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247	
	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin
[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	2.15	2.13	4.29	6.32	23.97	17.65	-	-	4.60	4.56	9.16	9.62	29.97	20.35	11.77	2.15
5290	2.07	2.07	4.15	6.18	23.97	17.79	-	-	4.44	4.44	8.87	9.48	29.97	20.49	11.77	2.29
5530	2.08	2.21	4.29	6.33	23.97	17.64	23.97	17.64	4.46	4.72	9.18	9.63	29.97	20.34	30.00	20.37
5610	2.04	2.16	4.19	6.23	23.97	17.74	23.97	17.74	4.36	4.61	8.97	9.53	29.97	20.44	30.00	20.47
5690	2.09	2.34	4.43	6.46	23.97	17.51	23.97	17.51	4.47	5.00	9.47	9.76	29.97	20.21	30.00	20.24
5775	2.03	2.32	4.36	6.39	30.00	23.61	30.00	23.61	4.35	4.97	9.31	9.69	36.00	26.31	36.00	26.31

Tested Freq. [MHz]	ANT1							ANT2						
	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]
5210	-	-8.16	1.55	9.94	3.30	3.33	6.63	-8.22	1.52	9.99	3.30	3.29	3.29	6.59
5290	-	-8.36	1.59	9.94	3.30	3.17	6.47	-8.38	1.56	9.99	3.30	3.17	3.17	6.47
5530	-	-8.40	1.65	9.94	3.30	3.19	6.49	-8.20	1.64	10.00	3.30	3.44	3.44	6.74
5610	-	-8.46	1.61	9.94	3.30	3.09	6.39	-8.27	1.61	10.00	3.30	3.34	3.34	6.64
5690	-	-8.36	1.62	9.94	3.30	3.20	6.50	-7.92	1.61	10.00	3.30	3.69	3.69	6.99
5775	-	-8.51	1.65	9.94	3.30	3.08	6.38	-7.97	1.63	10.00	3.30	3.66	3.66	6.96

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor

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

Directional Gain = G_{ANT} + Array Gain * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (89.450 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (76.247 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 20, 2024	SR5	22 deg.C	40 %RH	Yohsuke Matsuzawa
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11ax-80(OFDM), SISO
Antenna Port: ANT2

Tested Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power						e.i.r.p.					
					Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247			
						Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin		
[MHz]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]		
5210	-8.87	1.52	9.99	3.30	2.64	23.97	21.33	-	-	5.94	29.97	24.03	11.77	5.83		
5290	-9.15	1.56	9.99	3.30	2.40	23.97	21.57	-	-	5.70	29.97	24.27	11.77	6.07		
5530	-9.08	1.64	10.00	3.30	2.56	23.97	21.41	23.97	21.41	5.86	29.97	24.11	30.00	24.14		
5610	-9.25	1.61	10.00	3.30	2.36	23.97	21.61	23.97	21.61	5.66	29.97	24.31	30.00	24.34		
5690	-8.87	1.61	10.00	3.30	2.74	23.97	21.23	23.97	21.23	6.04	29.97	23.93	30.00	23.96		
5775	-8.87	1.63	10.00	3.30	2.76	30.00	27.24	30.00	27.24	6.06	36.00	29.94	36.00	29.94		

Sample Calculation:
Conducted Power Result = Reading + Cable Loss + Atten. Loss
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit
Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W
For all test frequencies, B was applied the minimum value (90.060 MHz) as conservative limit.

RSS-247 Limit
Conducted Power Limit (5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W
e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB
e.i.r.p. Limit (5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1 W or (17 + 10logB) dBm, whichever is lower
For all test frequencies, B was applied the minimum value (77.709 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)
The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 20, 2024	SR5	22 deg.C	40 %RH	Yohsuke Matsuzawa
December 24, 2024	SR5	20 deg.C	30 %RH	Hiromasa Sato

11ax-80(OFDM), MIMO
ANT1 + ANT2

Tested Freq.	Conducted power								e.i.r.p.							
	Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247	
	ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	1.66	1.71	3.37	5.28	23.97	18.69	-	-	3.56	3.66	7.21	8.58	29.97	21.39	11.77	3.19
5290	1.59	1.58	3.17	5.02	23.97	18.95	-	-	3.40	3.39	6.78	8.32	29.97	21.65	11.77	3.45
5530	1.67	1.75	3.43	5.35	23.97	18.62	23.97	18.62	3.58	3.75	7.33	8.65	29.97	21.32	30.00	21.35
5610	1.66	1.75	3.41	5.33	23.97	18.64	23.97	18.64	3.56	3.74	7.30	8.63	29.97	21.34	30.00	21.37
5690	1.69	1.85	3.54	5.49	23.97	18.48	23.97	18.48	3.61	3.96	7.58	8.79	29.97	21.18	30.00	21.21
5775	1.68	1.91	3.58	5.54	30.00	24.46	30.00	24.46	3.59	4.07	7.66	8.84	36.00	27.16	36.00	27.16

		ANT1						ANT2					
Tested Freq.	-	Reading	Cable Loss	Atten. Loss	Directional Gain	Result		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]
5210	-	-9.28	1.55	9.94	3.30	2.21	5.51	-9.18	1.52	9.99	3.30	2.33	5.63
5290	-	-9.52	1.59	9.94	3.30	2.01	5.31	-9.55	1.56	9.99	3.30	2.00	5.30
5530	-	-9.35	1.65	9.94	3.30	2.24	5.54	-9.20	1.64	10.00	3.30	2.44	5.74
5610	-	-9.34	1.61	9.94	3.30	2.21	5.51	-9.18	1.61	10.00	3.30	2.43	5.73
5690	-	-9.28	1.62	9.94	3.30	2.28	5.58	-8.93	1.61	10.00	3.30	2.68	5.98
5775	-	-9.34	1.65	9.94	3.30	2.25	5.55	-8.83	1.63	10.00	3.30	2.80	6.10

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (90.060 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (77.709 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ax-80(OFDMA), 26-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power						e.i.r.p.					
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247			
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin		
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]		
5210	0	-8.66	1.52	9.99	3.30	2.85	23.97	21.12	-	-	6.15	29.97	23.82	11.77	5.62		
5290	36	-8.87	1.56	9.99	3.30	2.68	23.97	21.29	-	-	5.98	29.97	23.99	11.77	5.79		
5530	0	-8.93	1.64	10.00	3.30	2.71	23.97	21.26	23.97	21.26	6.01	29.97	23.96	30.00	23.99		
5610	18	-9.16	1.61	10.00	3.30	2.45	23.97	21.52	23.97	21.52	5.75	29.97	24.22	30.00	24.25		
5690	36	-8.73	1.61	10.00	3.30	2.88	23.97	21.09	23.97	21.09	6.18	29.97	23.79	30.00	23.82		
5775	0	-8.64	1.63	10.00	3.30	2.99	30.00	27.01	30.00	27.01	6.29	36.00	29.71	36.00	29.71		
	36	-8.72	1.63	10.00	3.30	2.91	30.00	27.09	30.00	27.09	6.21	36.00	29.79	36.00	29.79		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (78.428 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (75.148 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

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

ANT1 + ANT2

Tested Freq. [MHz]	RU Index	Antenna			Conducted power				e.i.r.p.								
		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407		RSS-247		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407		RSS-247	
						Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]					Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5210	0	1.22	1.67	2.88	4.60	23.97	19.37	-	-	2.60	3.56	6.16	7.90	29.97	22.07	11.77	3.87
5290	36	1.90	1.56	3.45	5.38	23.97	18.59	-	-	4.06	3.33	7.38	8.68	29.97	21.29	11.77	3.09
5530	0	1.95	1.72	3.67	5.64	23.97	18.33	23.97	18.33	4.16	3.68	7.84	8.94	29.97	21.03	30.00	21.06
5610	18	1.82	1.67	3.49	5.43	23.97	18.54	23.97	18.54	3.89	3.58	7.47	8.73	29.97	21.24	30.00	21.27
5690	36	1.59	1.92	3.51	5.45	23.97	18.52	23.97	18.52	3.40	4.10	7.50	8.75	29.97	21.22	30.00	21.25
5775	0	1.95	1.86	3.81	5.81	30.00	24.19	30.00	24.19	4.16	3.98	8.14	9.11	36.00	26.89	36.00	26.89
	36	1.64	1.87	3.52	5.46	30.00	24.54	30.00	24.54	3.52	4.00	7.52	8.76	36.00	27.24	36.00	27.24

Tested Freq. [MHz]	RU Index	-	ANT1							ANT2						
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	e.i.r.p. [dBm]
5210	0	-	-10.64	1.55	9.94	3.30	0.85	4.15	-9.29	1.52	9.99	3.30	2.22	5.52		
5290	36	-	-8.75	1.59	9.94	3.30	2.78	6.08	-9.63	1.56	9.99	3.30	1.92	5.22		
5530	0	-	-8.70	1.65	9.94	3.30	2.89	6.19	-9.28	1.64	10.00	3.30	2.36	5.66		
5610	18	-	-8.95	1.61	9.94	3.30	2.60	5.90	-9.37	1.61	10.00	3.30	2.24	5.54		
5690	36	-	-9.55	1.62	9.94	3.30	2.01	5.31	-8.78	1.61	10.00	3.30	2.83	6.13		
5775	0	-	-8.70	1.65	9.94	3.30	2.89	6.19	-8.93	1.63	10.00	3.30	2.70	6.00		
	36	-	-9.43	1.65	9.94	3.30	2.16	5.46	-8.91	1.63	10.00	3.30	2.72	6.02		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (78.428 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (75.148 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

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

Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	37	-8.90	1.52	9.99	3.30	2.61	23.97	21.36	-	-	5.91	29.97	24.06	11.77	5.86
5290	52	-9.02	1.56	9.99	3.30	2.53	23.97	21.44	-	-	5.83	29.97	24.14	11.77	5.94
5530	37	-9.11	1.64	10.00	3.30	2.53	23.97	21.44	23.97	21.44	5.83	29.97	24.14	30.00	24.17
5610	44	-9.47	1.61	10.00	3.30	2.14	23.97	21.83	23.97	21.83	5.44	29.97	24.53	30.00	24.56
5690	52	-8.89	1.61	10.00	3.30	2.72	23.97	21.25	23.97	21.25	6.02	29.97	23.95	30.00	23.98
5775	37	-8.79	1.63	10.00	3.30	2.84	30.00	27.16	30.00	27.16	6.14	36.00	29.86	36.00	29.86
	52	-8.85	1.63	10.00	3.30	2.78	30.00	27.22	30.00	27.22	6.08	36.00	29.92	36.00	29.92

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (78.649 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (75.155 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ax-80(OFDMA), 52-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Conducted power										e.i.r.p.									
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247		
		ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	Limit [dBm]	Margin [dB]		Limit [dBm]	Margin [dB]				
[MHz]					[dBm]									[dBm]							
5210	37	1.22	1.67	2.89	4.60	23.97	19.37	-	-	2.60	3.57	6.17	7.90	29.97	22.07	11.77	3.87				
5290	52	1.89	1.55	3.43	5.36	23.97	18.61	-	-	4.04	3.30	7.34	8.66	29.97	21.31	11.77	3.11				
5530	37	1.89	1.66	3.54	5.49	23.97	18.48	23.97	18.48	4.04	3.54	7.58	8.79	29.97	21.18	30.00	21.21				
5610	44	1.67	1.66	3.33	5.23	23.97	18.74	23.97	18.74	3.58	3.54	7.12	8.53	29.97	21.44	30.00	21.47				
5690	52	1.58	1.90	3.48	5.41	23.97	18.56	23.97	18.56	3.38	4.06	7.44	8.71	29.97	21.26	30.00	21.29				
5775	37	1.93	1.85	3.79	5.78	30.00	24.22	30.00	24.22	4.13	3.96	8.09	9.08	36.00	26.92	36.00	26.92				
	52	1.64	1.87	3.51	5.45	30.00	24.55	30.00	24.55	3.50	4.00	7.50	8.75	36.00	27.25	36.00	27.25				

Tested Freq. [MHz]	RU Index	-	ANT1							ANT2						
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Result [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Result [dBm]
5210	37	-	-10.64	1.55	9.94	3.30	0.85	4.15	-9.28	1.52	9.99	3.30	2.23	5.53		
5290	52	-	-8.77	1.59	9.94	3.30	2.76	6.06	-9.66	1.56	9.99	3.30	1.89	5.19		
5530	37	-	-8.83	1.65	9.94	3.30	2.76	6.06	-9.45	1.64	10.00	3.30	2.19	5.49		
5610	44	-	-9.31	1.61	9.94	3.30	2.24	5.54	-9.42	1.61	10.00	3.30	2.19	5.49		
5690	52	-	-9.57	1.62	9.94	3.30	1.99	5.29	-8.83	1.61	10.00	3.30	2.78	6.08		
5775	37	-	-8.73	1.65	9.94	3.30	2.86	6.16	-8.95	1.63	10.00	3.30	2.68	5.98		
	52	-	-9.45	1.65	9.94	3.30	2.14	5.44	-8.91	1.63	10.00	3.30	2.72	6.02		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (78.649 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (75.155 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ax-80(OFDMA), 106-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	53	-8.83	1.52	9.99	3.30	2.68	23.97	21.29	-	-	5.98	29.97	23.99	11.77	5.79
5290	60	-9.02	1.56	9.99	3.30	2.53	23.97	21.44	-	-	5.83	29.97	24.14	11.77	5.94
5530	53	-9.25	1.64	10.00	3.30	2.39	23.97	21.58	23.97	21.58	5.69	29.97	24.28	30.00	24.31
5610	56	-9.40	1.61	10.00	3.30	2.21	23.97	21.76	23.97	21.76	5.51	29.97	24.46	30.00	24.49
5690	60	-8.88	1.61	10.00	3.30	2.73	23.97	21.24	23.97	21.24	6.03	29.97	23.94	30.00	23.97
5775	53	-8.90	1.63	10.00	3.30	2.73	30.00	27.27	30.00	27.27	6.03	36.00	29.97	36.00	29.97
	60	-8.92	1.63	10.00	3.30	2.71	30.00	27.29	30.00	27.29	6.01	36.00	29.99	36.00	29.99

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W
For all test frequencies, B was applied the minimum value (79.668 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W
e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB
e.i.r.p. Limit (5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1 W or (17 + 10logB) dBm, whichever is lower
For all test frequencies, B was applied the minimum value (75.586 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)
The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ax-80(OFDMA), 106-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Conducted power										e.i.r.p.									
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247		
		ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	Limit [dBm]	Margin [dB]		Limit [dBm]	Margin [dB]				
[MHz]					[dBm]									[dBm]							
5210	53	1.18	1.63	2.82	4.50	23.97	19.47	-	-	2.53	3.49	6.02	7.80	29.97	22.17	11.77	3.97				
5290	60	2.00	1.59	3.60	5.56	23.97	18.41	-	-	4.29	3.40	7.69	8.86	29.97	21.11	11.77	2.91				
5530	53	1.82	1.66	3.48	5.41	23.97	18.56	23.97	18.56	3.88	3.56	7.44	8.71	29.97	21.26	30.00	21.29				
5610	56	1.70	1.61	3.31	5.20	23.97	18.77	23.97	18.77	3.63	3.44	7.07	8.50	29.97	21.47	30.00	21.50				
5690	60	1.56	1.79	3.35	5.26	23.97	18.71	23.97	18.71	3.33	3.84	7.17	8.56	29.97	21.41	30.00	21.44				
5775	53	1.89	1.83	3.72	5.71	30.00	24.29	30.00	24.29	4.04	3.92	7.95	9.01	36.00	26.99	36.00	26.99				
	60	1.60	1.82	3.41	5.33	30.00	24.67	30.00	24.67	3.41	3.88	7.29	8.63	36.00	27.37	36.00	27.37				

Tested Freq. [MHz]	RU Index	-	ANT1							ANT2						
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	e.i.r.p. [dBm]
5210	53	-	-10.76	1.55	9.94	3.30	0.73	4.03	-9.38	1.52	9.99	3.30	2.13	5.43		
5290	60	-	-8.51	1.59	9.94	3.30	3.02	6.32	-9.53	1.56	9.99	3.30	2.02	5.32		
5530	53	-	-9.00	1.65	9.94	3.30	2.59	5.89	-9.43	1.64	10.00	3.30	2.21	5.51		
5610	56	-	-9.25	1.61	9.94	3.30	2.30	5.60	-9.54	1.61	10.00	3.30	2.07	5.37		
5690	60	-	-9.63	1.62	9.94	3.30	1.93	5.23	-9.07	1.61	10.00	3.30	2.54	5.84		
5775	53	-	-8.83	1.65	9.94	3.30	2.76	6.06	-9.00	1.63	10.00	3.30	2.63	5.93		
	60	-	-9.56	1.65	9.94	3.30	2.03	5.33	-9.04	1.63	10.00	3.30	2.59	5.89		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (79.668 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (75.586 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ax-80(OFDMA), 242-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	61	-8.86	1.52	9.99	3.30	2.65	23.97	21.32	-	-	5.95	29.97	24.02	11.77	5.82
5290	64	-9.04	1.56	9.99	3.30	2.51	23.97	21.46	-	-	5.81	29.97	24.16	11.77	5.96
5530	61	-9.23	1.64	10.00	3.30	2.41	23.97	21.56	23.97	21.56	5.71	29.97	24.26	30.00	24.29
5610	62	-9.36	1.61	10.00	3.30	2.25	23.97	21.72	23.97	21.72	5.55	29.97	24.42	30.00	24.45
5690	64	-8.97	1.61	10.00	3.30	2.64	23.97	21.33	23.97	21.33	5.94	29.97	24.03	30.00	24.06
5775	61	-8.88	1.63	10.00	3.30	2.75	30.00	27.25	30.00	27.25	6.05	36.00	29.95	36.00	29.95
	64	-9.01	1.63	10.00	3.30	2.62	30.00	27.38	30.00	27.38	5.92	36.00	30.08	36.00	30.08

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W
For all test frequencies, B was applied the minimum value (79.823 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W
e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB
e.i.r.p. Limit (5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1 W or (17 + 10logB) dBm, whichever is lower
For all test frequencies, B was applied the minimum value (75.303 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)
The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

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

ANT1 + ANT2

Tested Freq. [MHz]	RU Index	Conducted power								e.i.r.p.							
		Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247	
		ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5210	61	1.24	1.66	2.90	4.62	23.97	19.35	-	-	2.65	3.55	6.20	7.92	29.97	22.05	11.77	3.85
5290	64	1.98	1.55	3.53	5.48	23.97	18.49	-	-	4.23	3.32	7.55	8.78	29.97	21.19	11.77	2.99
5530	61	1.82	1.69	3.51	5.45	23.97	18.52	23.97	18.52	3.88	3.61	7.50	8.75	29.97	21.22	30.00	21.25
5610	62	1.70	1.63	3.33	5.22	23.97	18.75	23.97	18.75	3.63	3.48	7.11	8.52	29.97	21.45	30.00	21.48
5690	64	1.58	1.79	3.38	5.29	23.97	18.68	23.97	18.68	3.39	3.84	7.23	8.59	29.97	21.38	30.00	21.41
5775	61	1.84	1.82	3.66	5.64	30.00	24.36	30.00	24.36	3.94	3.90	7.83	8.94	36.00	27.06	36.00	27.06
	64	1.61	1.79	3.40	5.32	30.00	24.68	30.00	24.68	3.44	3.83	7.27	8.62	36.00	27.38	36.00	27.38

Tested Freq. [MHz]	RU Index	-	ANT1							ANT2						
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	e.i.r.p. [dBm]
5210	61	-	-10.56	1.55	9.94	3.30	0.93	4.23	-9.31	1.52	9.99	3.30	2.20	5.50		
5290	64	-	-8.57	1.59	9.94	3.30	2.96	6.26	-9.64	1.56	9.99	3.30	1.91	5.21		
5530	61	-	-9.00	1.65	9.94	3.30	2.59	5.89	-9.36	1.64	10.00	3.30	2.28	5.58		
5610	62	-	-9.25	1.61	9.94	3.30	2.30	5.60	-9.49	1.61	10.00	3.30	2.12	5.42		
5690	64	-	-9.56	1.62	9.94	3.30	2.00	5.30	-9.07	1.61	10.00	3.30	2.54	5.84		
5775	61	-	-8.94	1.65	9.94	3.30	2.65	5.95	-9.02	1.63	10.00	3.30	2.61	5.91		
	64	-	-9.52	1.65	9.94	3.30	2.07	5.37	-9.10	1.63	10.00	3.30	2.53	5.83		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (79.823 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (75.303 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ax-80(OFDMA), 484-tone RU, SISO
Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power					e.i.r.p.				
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247	
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	65	-8.83	1.52	9.99	3.30	2.68	23.97	21.29	-	-	5.98	29.97	23.99	11.77	5.79
5290	66	-9.14	1.56	9.99	3.30	2.41	23.97	21.56	-	-	5.71	29.97	24.26	11.77	6.06
5530	65	-9.12	1.64	10.00	3.30	2.52	23.97	21.45	23.97	21.45	5.82	29.97	24.15	30.00	24.18
5610	66	-9.26	1.61	10.00	3.30	2.35	23.97	21.62	23.97	21.62	5.65	29.97	24.32	30.00	24.35
5690	66	-8.90	1.61	10.00	3.30	2.71	23.97	21.26	23.97	21.26	6.01	29.97	23.96	30.00	23.99
5775	65	-9.00	1.63	10.00	3.30	2.63	30.00	27.37	30.00	27.37	5.93	36.00	30.07	36.00	30.07
	66	-9.01	1.63	10.00	3.30	2.62	30.00	27.38	30.00	27.38	5.92	36.00	30.08	36.00	30.08

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss
e.i.r.p. Result = Conducted Power Result + Antenna Gain

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5250 MHz-5350 MHz, 5470 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W
For all test frequencies, B was applied the minimum value (83.593 MHz) as conservative limit.

RSS-247 Limit

Conducted Power Limit (5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 250 mW or (11 + 10logB) dBm, whichever is lower
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W
e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB
e.i.r.p. Limit (5470 MHz-5600 MHz, 5650 MHz-5725 MHz) = 1 W or (17 + 10logB) dBm, whichever is lower
For all test frequencies, B was applied the minimum value (76.715 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)
The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ax-80(OFDMA), 484-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Conducted power								e.i.r.p.									
		Antenna			Result	FCC 15.407			RSS-247		Antenna			Result	FCC 15.407			RSS-247	
		ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	Limit [dBm]		Margin [dB]	Limit [dBm]	Margin [dB]		
[MHz]					[dBm]	[dBm]	[dB]		[dBm]	[dB]		[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5210	65	1.37	1.70	3.07	4.87	23.97	19.10	-	-	2.92	3.64	6.56	8.17	29.97	21.80	11.77	3.60		
5290	66	1.88	1.58	3.46	5.40	23.97	18.57	-	-	4.02	3.39	7.41	8.70	29.97	21.27	11.77	3.07		
5530	65	1.77	1.72	3.49	5.43	23.97	18.54	23.97	18.54	3.78	3.68	7.47	8.73	29.97	21.24	30.00	21.27		
5610	66	1.56	1.67	3.23	5.09	23.97	18.88	23.97	18.88	3.33	3.57	6.91	8.39	29.97	21.58	30.00	21.61		
5690	66	1.58	1.79	3.36	5.27	23.97	18.70	23.97	18.70	3.37	3.82	7.19	8.57	29.97	21.40	30.00	21.43		
5775	65	1.78	1.82	3.60	5.57	30.00	24.43	30.00	24.43	3.80	3.90	7.70	8.87	36.00	27.13	36.00	27.13		
	66	1.67	1.79	3.46	5.39	30.00	24.61	30.00	24.61	3.58	3.82	7.40	8.69	36.00	27.31	36.00	27.31		

Tested Freq. [MHz]	RU Index	-	ANT1							ANT2						
			Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	e.i.r.p. [dBm]
5210	65	-	-10.13	1.55	9.94	3.30	1.36	4.66	-9.20	1.52	9.99	3.30	2.31	5.61		
5290	66	-	-8.79	1.59	9.94	3.30	2.74	6.04	-9.55	1.56	9.99	3.30	2.00	5.30		
5530	65	-	-9.11	1.65	9.94	3.30	2.48	5.78	-9.28	1.64	10.00	3.30	2.36	5.66		
5610	66	-	-9.62	1.61	9.94	3.30	1.93	5.23	-9.38	1.61	10.00	3.30	2.23	5.53		
5690	66	-	-9.58	1.62	9.94	3.30	1.98	5.28	-9.09	1.61	10.00	3.30	2.52	5.82		
5775	65	-	-9.09	1.65	9.94	3.30	2.50	5.80	-9.02	1.63	10.00	3.30	2.61	5.91		
	66	-	-9.35	1.65	9.94	3.30	2.24	5.54	-9.11	1.63	10.00	3.30	2.52	5.82		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (83.593 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (76.715 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

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

Antenna Port: ANT2

Antenna Gain - RSS-247															
Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	Conducted Power				Result	e.i.r.p.			
							FCC 15.407		RSS-247			FCC 15.407		RSS-247	
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5210	67	-8.86	1.52	9.99	3.30	2.65	23.97	21.32	-	-	5.95	29.97	24.02	11.77	5.82
5290	67	-9.15	1.56	9.99	3.30	2.40	23.97	21.57	-	-	5.70	29.97	24.27	11.77	6.07
5530	67	-9.08	1.64	10.00	3.30	2.56	23.97	21.41	23.97	21.41	5.86	29.97	24.11	30.00	24.14
5610	67	-9.23	1.61	10.00	3.30	2.38	23.97	21.59	23.97	21.59	5.68	29.97	24.29	30.00	24.32
5690	67	-8.91	1.61	10.00	3.30	2.70	23.97	21.27	23.97	21.27	6.00	29.97	23.97	30.00	24.00
5775	67	-8.92	1.63	10.00	3.30	2.71	30.00	27.29	30.00	27.29	6.01	36.00	29.99	36.00	29.99

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (89.687 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (77.839 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ax-80(OFDMA), 996-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	RU Index	Antenna			Conducted power				e.i.r.p.								
		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407		RSS-247		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	FCC 15.407		RSS-247	
[MHz]						Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]					Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5210	67	1.65	1.69	3.34	5.24	23.97	18.73	-	-	3.52	3.62	7.15	8.54	29.97	21.43	11.77	3.23
5290	67	1.71	1.59	3.31	5.19	23.97	18.78	-	-	3.66	3.40	7.07	8.49	29.97	21.48	11.77	3.28
5530	67	1.67	1.71	3.39	5.30	23.97	18.67	23.97	18.67	3.57	3.66	7.24	8.60	29.97	21.37	30.00	21.40
5610	67	1.66	1.64	3.30	5.18	23.97	18.79	23.97	18.79	3.54	3.51	7.05	8.48	29.97	21.49	30.00	21.52
5690	67	1.70	1.80	3.50	5.44	23.97	18.53	23.97	18.53	3.63	3.85	7.49	8.74	29.97	21.23	30.00	21.26
5775	67	1.69	1.82	3.51	5.45	30.00	24.55	30.00	24.55	3.61	3.89	7.50	8.75	36.00	27.25	36.00	27.25

Tested Freq. [MHz]	RU Index	ANT1								ANT2							
		Duty Factor	Reading	Cable Loss	Atten. Loss	Directional Gain	Cond. Power	Result	e.i.r.p.	Reading	Cable Loss	Atten. Loss	Directional Gain	Cond. Power	Result	e.i.r.p.	
[dB]	[dBm]	[dB]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dB]	[dBm]	[dBm]	[dBm]	[dBm]
5210	67	0.00	-9.32	1.55	9.94	3.30	2.17	5.47	-9.22	1.52	9.99	3.30	2.29	5.59			
5290	67	0.00	-9.19	1.59	9.94	3.30	2.34	5.64	-9.53	1.56	9.99	3.30	2.02	5.32			
5530	67	0.00	-9.36	1.65	9.94	3.30	2.23	5.53	-9.30	1.64	10.00	3.30	2.34	5.64			
5610	67	0.00	-9.36	1.61	9.94	3.30	2.19	5.49	-9.46	1.61	10.00	3.30	2.15	5.45			
5690	67	0.00	-9.26	1.62	9.94	3.30	2.30	5.60	-9.05	1.61	10.00	3.30	2.56	5.86			
5775	67	0.00	-9.32	1.65	9.94	3.30	2.27	5.57	-9.03	1.63	10.00	3.30	2.60	5.90			

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss + Duty Factor

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

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

For all test frequencies, B was applied the minimum value (89.687 MHz) as conservative limit.

RSS-247 Limit

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

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

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (77.839 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ac-160, SISO

Antenna Port: ANT2

Tested Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power						e.i.r.p.					
					Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247			
						Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin		
[MHz]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]		
5250	-7.98	1.61	9.99	3.30	3.63	23.97	20.34	-	-	6.93	29.97	23.04	11.77	4.84		
5570	-7.74	1.64	10.00	3.30	3.90	23.97	20.07	23.97	20.07	7.20	29.97	22.77	30.00	22.80		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (174.262 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (155.642 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ac-160, MIMO
ANT1 + ANT2

Tested Freq.	Conducted power								e.i.r.p.							
	Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247	
	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin
[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5250	2.15	2.17	4.32	6.36	23.97	17.61	-	-	4.59	4.64	9.23	9.66	29.97	20.31	11.77	2.11
5570	2.17	2.23	4.40	6.44	23.97	17.53	23.97	17.53	4.64	4.77	9.41	9.74	29.97	20.23	30.00	20.26

ANT1								ANT2						
Tested Freq. [MHz]	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	
5250	-	-8.27	1.65	9.94	3.30	3.32	6.62	-8.24	1.61	9.99	3.30	3.36	6.66	
5570	-	-8.23	1.65	9.94	3.30	3.36	6.66	-8.15	1.64	10.00	3.30	3.49	6.79	

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

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

For all test frequencies, B was applied the minimum value (172.262 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (155.642 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 20, 2024	SR5	22 deg.C	40 %RH	Yohsuke Matsuzawa
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ax-160(OFDM), SISO
Antenna Port: ANT2

Tested Freq.	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power						e.i.r.p.					
					Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247			
						Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin		
[MHz]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]		
5250	-8.83	1.61	9.99	3.30	2.78	23.97	21.19	-	-	6.08	29.97	23.89	11.77	5.69		
5570	-8.89	1.64	10.00	3.30	2.75	23.97	21.22	23.97	21.22	6.05	29.97	23.92	30.00	23.95		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

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

For all test frequencies, B was applied the minimum value (173.182 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (157.087 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 20, 2024	SR5	22 deg.C	40 %RH	Yohsuke Matsuzawa
January 07, 2025	SR5	20 deg.C	42 %RH	Yosuke Murakami

11ax-160(OFDM), MIMO
ANT1 + ANT2

Tested Freq.	Conducted power								e.i.r.p.							
	Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247	
	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin
[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[dBm]	[dB]
5250	1.76	1.80	3.56	5.52	23.97	18.45	-	-	3.76	3.86	7.62	8.82	29.97	21.15	11.77	2.95
5570	1.74	1.86	3.59	5.56	23.97	18.41	23.97	18.41	3.72	3.97	7.69	8.86	29.97	21.11	30.00	21.14

Tested Freq. [MHz]	ANT1							ANT2						
	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5250	-	-9.14	1.65	9.94	3.30	2.45	5.75	-9.04	1.61	9.99	3.30	2.56	5.86	
5570	-	-9.19	1.65	9.94	3.30	2.40	5.70	-8.95	1.64	10.00	3.30	2.69	5.99	

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (173.182 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (156.087 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 26-tone RU, SISO

Antenna Port: ANT2

Tested Freq. [MHz]	Segment	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result [dBm]	Conducted Power				Result [dBm]	e.i.r.p.			
								FCC 15.407 Limit [dBm]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm]	RSS-247 Margin [dB]		FCC 15.407 Limit [dBm]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm]	RSS-247 Margin [dB]
5250	0	0	-10.24	1.61	9.99	3.30	1.37	23.97	22.60	-	-	4.67	29.97	25.30	11.77	7.10
	1	36	-9.86	1.61	9.99	3.30	1.75	23.97	22.22	-	-	5.05	29.97	24.92	11.77	6.72
5570	0	0	-9.17	1.64	10.00	3.30	2.47	23.97	21.50	23.97	21.50	5.77	29.97	24.20	30.00	24.23
	1	36	-9.08	1.64	10.00	3.30	2.56	23.97	21.41	23.97	21.41	5.86	29.97	24.11	30.00	24.14

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (164.039 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (162.968 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 26-tone RU, MIMO

ANT1 + ANT2

Tested Freq.	Seg ment	RU Index	Conducted power										e.i.r.p.							
			Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247			
			ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]		
[MHz]						[dBm]	[dBm]	[dB]	[dBm]	[dB]				[dBm]	[dBm]	[dB]	[dBm]	[dB]		
5250	0	0	0.69	1.22	1.91	2.81	23.97	21.16	-	-	1.47	2.60	4.07	6.11	29.97	23.86	11.77	5.66		
	1	36	1.79	1.34	3.12	4.95	23.97	19.02	-	-	3.82	2.86	6.68	8.25	29.97	21.72	11.77	3.52		
5570	0	0	1.92	1.65	3.58	5.54	23.97	18.43	23.97	18.43	4.11	3.54	7.65	8.84	29.97	21.13	30.00	21.16		
	1	36	1.33	1.76	3.10	4.92	23.97	19.05	23.97	19.05	2.85	3.77	6.62	8.22	29.97	21.75	30.00	21.78		

Tested Freq. [MHz]	Segment	RU Index	-	ANT1					ANT2					Result	
				Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5250	0	0	-	-13.21	1.65	9.94	3.30	-1.62	1.68	-10.75	1.61	9.99	3.30	0.85	4.15
	1	36	-	-9.07	1.65	9.94	3.30	2.52	5.82	-10.34	1.61	9.99	3.30	1.26	4.56
5570	0	0	-	-8.75	1.65	9.94	3.30	2.84	6.14	-9.45	1.64	10.00	3.30	2.19	5.49
	1	36	-	-10.34	1.65	9.94	3.30	1.25	4.55	-9.17	1.64	10.00	3.30	2.47	5.77

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT1} + \text{Array Gain}$ * G_{ANT1} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (164.039 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (162.968 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 52-tone RU, SISO

Antenna Port: ANT2

Tested Freq. [MHz]	Segment	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result [dBm]	Conducted Power				Result [dBm]	e.i.r.p.			
								FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]		FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5250	0	37	-10.20	1.61	9.99	3.30	1.41	23.97	22.56	-	-	4.71	29.97	25.26	11.77	7.06
	1	52	-9.98	1.61	9.99	3.30	1.63	23.97	22.34	-	-	4.93	29.97	25.04	11.77	6.84
5570	0	37	-9.26	1.64	10.00	3.30	2.38	23.97	21.59	23.97	21.59	5.68	29.97	24.29	30.00	24.32
	1	52	-9.12	1.64	10.00	3.30	2.52	23.97	21.45	23.97	21.45	5.82	29.97	24.15	30.00	24.18

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (163.957 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (158.231 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 52-tone RU, MIMO
ANT1 + ANT2

Tested Freq.	Seg ment	RU Index	Conducted power																e.i.r.p.							
			Antenna			Result	FCC 15.407			RSS-247		Antenna			Result	FCC 15.407			RSS-247							
			ANT1 [mW]	ANT2 [mW]	Sum [mW]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	Limit [dBm]		Margin [dB]	Limit [dBm]	Margin [dB]								
[MHz]						[dBm]								[dBm]												
5250	0	37	0.71	1.26	1.97	2.95	23.97	21.02	-	-	1.52	2.69	4.21	6.25	29.97	23.72	11.77	5.52								
	1	52	1.76	1.34	3.10	4.91	23.97	19.06	-	-	3.76	2.86	6.62	8.21	29.97	21.76	11.77	3.56								
5570	0	37	1.93	1.68	3.61	5.58	23.97	18.39	23.97	18.39	4.12	3.59	7.72	8.88	29.97	21.09	30.00	21.12								
	1	52	1.35	1.75	3.10	4.92	23.97	19.05	23.97	19.05	2.89	3.75	6.63	8.22	29.97	21.75	30.00	21.78								

Tested Freq. [MHz]	Segment	RU Index	-	ANT1					ANT2					Result				
				Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]
5250	0	37	-	-13.07	1.65	9.94	3.30	-1.48	1.82	-10.61	1.61	9.99	3.30	0.99	4.29			
	1	52	-	-9.14	1.65	9.94	3.30	2.45	5.75	-10.34	1.61	9.99	3.30	1.26	4.56			
5570	0	37	-	-8.74	1.65	9.94	3.30	2.85	6.15	-9.38	1.64	10.00	3.30	2.26	5.56			
	1	52	-	-10.29	1.65	9.94	3.30	1.30	4.60	-9.20	1.64	10.00	3.30	2.44	5.74			

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT1} + \text{Array Gain}$ * G_{ANT1} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (163.957 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (158.231 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)
The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 106-tone RU, SISO

Antenna Port: ANT2

Tested Freq. [MHz]	Segment	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result [dBm]	Conducted Power				Result [dBm]	e.i.r.p.			
								FCC 15.407 Limit [dBm]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm]	RSS-247 Margin [dB]		FCC 15.407 Limit [dBm]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm]	RSS-247 Margin [dB]
5250	0	53	-10.43	1.61	9.99	3.30	1.18	23.97	22.79	-	-	4.48	29.97	25.49	11.77	7.29
	1	60	-10.03	1.61	9.99	3.30	1.58	23.97	22.39	-	-	4.88	29.97	25.09	11.77	6.89
5570	0	53	-9.30	1.64	10.00	3.30	2.34	23.97	21.63	23.97	21.63	5.64	29.97	24.33	30.00	24.36
	1	60	-9.18	1.64	10.00	3.30	2.46	23.97	21.51	23.97	21.51	5.76	29.97	24.21	30.00	24.24

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (166.406 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (158.289 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 106-tone RU, MIMO
ANT1 + ANT2

Tested Freq. [MHz]	Segment	RU Index	Conducted power								e.i.r.p.							
			Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247	
			ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5250	0	53	0.70	1.22	1.92	2.84	23.97	21.13	-	-	1.50	2.61	4.11	6.14	29.97	23.83	11.77	5.63
	1	60	1.90	1.39	3.29	5.18	23.97	18.79	-	-	4.06	2.97	7.04	8.48	29.97	21.49	11.77	3.29
5570	0	53	1.82	1.64	3.46	5.40	23.97	18.57	23.97	18.57	3.89	3.50	7.40	8.70	29.97	21.27	30.00	21.30
	1	60	1.36	1.69	3.05	4.85	23.97	19.12	23.97	19.12	2.91	3.62	6.53	8.15	29.97	21.82	30.00	21.85

Tested Freq. [MHz]	Segment	RU Index	-	ANT1							ANT2						
				Reading	Cable Loss	Atten. Loss	Directional Gain	Cond. Power	e.i.r.p.	Reading	Cable Loss	Atten. Loss	Directional Gain	Cond. Power	e.i.r.p.	Reading	e.i.r.p.
				[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dBm]
5250	0	53	-	-13.13	1.65	9.94	3.30	-1.54	1.76	-10.74	1.61	9.99	3.30	0.86	4.16		
	1	60	-	-8.80	1.65	9.94	3.30	2.79	6.09	-10.17	1.61	9.99	3.30	1.43	4.73		
5570	0	53	-	-8.99	1.65	9.94	3.30	2.60	5.90	-9.49	1.64	10.00	3.30	2.15	5.45		
	1	60	-	-10.25	1.65	9.94	3.30	1.34	4.64	-9.35	1.64	10.00	3.30	2.29	5.59		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT1} + \text{Array Gain}$ * G_{ANT1} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (166.406 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (158.289 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 242-tone RU, SISO

Antenna Port: ANT2

Tested Freq. [MHz]	Segment	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result [dBm]	Conducted Power				Result [dBm]	e.i.r.p.			
								Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]		Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5250	0	61	-10.67	1.61	9.99	3.30	0.94	23.97	23.03	-	-	4.24	29.97	25.73	11.77	7.53
	1	64	-10.17	1.61	9.99	3.30	1.44	23.97	22.53	-	-	4.74	29.97	25.23	11.77	7.03
5570	0	61	-9.23	1.64	10.00	3.30	2.41	23.97	21.56	23.97	21.56	5.71	29.97	24.26	30.00	24.29
	1	64	-9.15	1.64	10.00	3.30	2.49	23.97	21.48	23.97	21.48	5.79	29.97	24.18	30.00	24.21

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (166.521 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (156.994 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 242-tone RU, MIMO

ANT1 + ANT2

Tested Freq.	Seg ment	RU Index	Conducted power										e.i.r.p.									
			Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247					
[MHz]			ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]				
5250	0	61	0.68	1.14	1.81	2.59	23.97	21.38	-	-	1.44	2.43	3.87	5.89	29.97	24.08	11.77	5.88				
	1	64	1.68	1.24	2.92	4.66	23.97	19.31	-	-	3.59	2.65	6.24	7.96	29.97	22.01	11.77	3.81				
5570	0	61	1.86	1.71	3.57	5.53	23.97	18.44	23.97	18.44	3.97	3.65	7.63	8.83	29.97	21.14	30.00	21.17				
	1	64	1.37	1.72	3.09	4.91	23.97	19.06	23.97	19.06	2.94	3.68	6.62	8.21	29.97	21.76	30.00	21.79				

Tested Freq. [MHz]	Segment	RU Index	-	ANT1						ANT2					
				Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5250	0	61	-	-13.29	1.65	9.94	3.30	-1.70	1.60	-11.05	1.61	9.99	3.30	0.55	3.85
	1	64	-	-9.34	1.65	9.94	3.30	2.25	5.55	-10.67	1.61	9.99	3.30	0.93	4.23
5570	0	61	-	-8.90	1.65	9.94	3.30	2.69	5.99	-9.31	1.64	10.00	3.30	2.33	5.63
	1	64	-	-10.21	1.65	9.94	3.30	1.38	4.68	-9.28	1.64	10.00	3.30	2.36	5.66

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT1} + \text{Array Gain}$ * G_{ANT1} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (166.521 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (156.994 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 484-tone RU, SISO

Antenna Port: ANT2

Tested Freq. [MHz]	Segment	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result [dBm]	Conducted Power				Result [dBm]	e.i.r.p.			
								FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]		FCC 15.407 Limit [dBm]	Margin [dB]	RSS-247 Limit [dBm]	Margin [dB]
5250	0	65	-10.31	1.61	9.99	3.30	1.30	23.97	22.67	-	-	4.60	29.97	25.37	11.77	7.17
	1	66	-9.86	1.61	9.99	3.30	1.75	23.97	22.22	-	-	5.05	29.97	24.92	11.77	6.72
5570	0	65	-9.37	1.64	10.00	3.30	2.27	23.97	21.70	23.97	21.70	5.57	29.97	24.40	30.00	24.43
	1	66	-9.16	1.64	10.00	3.30	2.48	23.97	21.49	23.97	21.49	5.78	29.97	24.19	30.00	24.22

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (168.950 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (156.340 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 484-tone RU, MIMO

ANT1 + ANT2

Tested Freq. [MHz]	Segment	RU Index	Conducted power								e.i.r.p.							
			Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247	
			ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	[dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5250	0	65	0.84	1.26	2.10	3.23	23.97	20.74	-	-	1.79	2.70	4.49	6.53	29.97	23.44	11.77	5.24
	1	66	1.72	1.40	3.12	4.95	23.97	19.02	-	-	3.67	3.00	6.67	8.25	29.97	21.72	11.77	3.52
5570	0	65	1.79	1.67	3.46	5.40	23.97	18.57	23.97	18.57	3.83	3.58	7.41	8.70	29.97	21.27	30.00	21.30
	1	66	1.41	1.70	3.11	4.94	23.97	19.03	23.97	19.03	3.02	3.64	6.66	8.24	29.97	21.73	30.00	21.76

Tested Freq. [MHz]	Segment	RU Index	-	ANT1						ANT2					
				Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5250	0	65	-	-12.36	1.65	9.94	3.30	-0.77	2.53	-10.59	1.61	9.99	3.30	1.01	4.31
	1	66	-	-9.24	1.65	9.94	3.30	2.35	5.65	-10.13	1.61	9.99	3.30	1.47	4.77
5570	0	65	-	-9.06	1.65	9.94	3.30	2.53	5.83	-9.40	1.64	10.00	3.30	2.24	5.54
	1	66	-	-10.09	1.65	9.94	3.30	1.50	4.80	-9.33	1.64	10.00	3.30	2.31	5.61

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT1} + \text{Array Gain}$ * G_{ANT1} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (168.950 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (156.340 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 996-tone RU, SISO

Antenna Port: ANT2

Tested Freq.	Segment	RU Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result [dBm]	Conducted Power				Result [dBm]	e.i.r.p.			
								FCC 15.407 Limit [dBm]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm]	RSS-247 Margin [dB]		FCC 15.407 Limit [dBm]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm]	RSS-247 Margin [dB]
5250	0	67	-9.71	1.61	9.99	3.30	1.90	23.97	22.07	-	-	5.20	29.97	24.77	11.77	6.57
	1	67	-9.56	1.61	9.99	3.30	2.05	23.97	21.92	-	-	5.35	29.97	24.62	11.77	6.42
5570	0	67	-8.78	1.64	10.00	3.30	2.86	23.97	21.11	23.97	21.11	6.16	29.97	23.81	30.00	23.84
	1	67	-8.78	1.64	10.00	3.30	2.86	23.97	21.11	23.97	21.11	6.16	29.97	23.81	30.00	23.84

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (168.107 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (156.065 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 996-tone RU, MIMO
ANT1 + ANT2

Tested Freq. [MHz]	Segment	RU Index	Antenna			Conducted power				e.i.r.p.				FCC 15.407				RSS-247			
			ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]		Limit [dBm]	Margin [dB]	ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5250	0	67	1.10	1.42	2.52	4.02	23.97	19.95	-	-	-	2.35	3.04	5.39	7.32	29.97	22.65	11.77	4.45		
	1	67	1.75	1.47	3.22	5.08	23.97	18.89	-	-	-	3.75	3.14	6.88	8.38	29.97	21.59	11.77	3.39		
5570	0	67	1.93	1.86	3.79	5.79	23.97	18.18	23.97	18.18	4.12	3.99	8.11	9.09	29.97	20.88	30.00	20.91			
	1	67	1.62	1.86	3.48	5.42	23.97	18.55	23.97	18.55	3.46	3.98	7.44	8.72	29.97	21.25	30.00	21.28			

Tested Freq. [MHz]	Segment	RU Index	-	ANT1							ANT2						
				Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	
5250	0	67	-	-11.17	1.65	9.94	3.30	0.42	3.72	-10.08	1.61	9.99	3.30	1.52	4.82		
	1	67	-	-9.15	1.65	9.94	3.30	2.44	5.74	-9.94	1.61	9.99	3.30	1.66	4.96		
5570	0	67	-	-8.74	1.65	9.94	3.30	2.85	6.15	-8.93	1.64	10.00	3.30	2.71	6.01		
	1	67	-	-9.50	1.65	9.94	3.30	2.09	5.39	-8.94	1.64	10.00	3.30	2.70	6.00		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT1} + \text{Array Gain}$ * G_{ANT1} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (168.107 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (156.065 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 2x996-tone RU, SISO

Antenna Port: ANT2

Tested Freq.	RU Index	Reading	Cable Loss	Atten. Loss	Antenna Gain	Conducted Power						e.i.r.p.					
						Result	FCC 15.407		RSS-247		Result	FCC 15.407		RSS-247			
							Limit	Margin	Limit	Margin		Limit	Margin	Limit	Margin		
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dB]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	[dBm]	[dB]		
5250	68	-8.73	1.61	9.99	3.30	2.88	23.97	21.09	-	-	6.18	29.97	23.79	11.77	5.59		
5570	68	-8.94	1.64	10.00	3.30	2.70	23.97	21.27	23.97	21.27	6.00	29.97	23.97	30.00	24.00		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (172.705 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (156.745 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Maximum Conducted Output Power

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	21 deg.C	42 %RH	Makoto Hosaka

11ax-160(OFDMA), 2x996-tone RU, MIMO

ANT1 + ANT2

Tested Freq. [MHz]	RU Index	Antenna			Conducted power				e.i.r.p.				FCC 15.407				RSS-247			
		ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]		Limit [dBm]	Margin [dB]			ANT1 [mW]	ANT2 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Limit [dBm]	Margin [dB]
5250	68	1.78	1.74	3.52	5.47	23.97	18.50	-	-				3.80	3.72	7.52	8.77	29.97	21.20	11.77	3.00
5570	68	1.72	1.80	3.52	5.48	23.97	18.49	23.97	18.49				3.68	3.85	7.53	8.78	29.97	21.19	30.00	21.22

ANT1										ANT2						
Tested Freq. [MHz]	RU Index	-	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]		Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	
5250	68	-	-9.09	1.65	9.94	3.30	2.50	5.80	-9.20	1.61	9.99	3.30	2.40	5.70		
5570	68	-	-9.23	1.65	9.94	3.30	2.36	5.66	-9.08	1.64	10.00	3.30	2.56	5.86		

Sample Calculation:

Conducted Power Result = Reading + Cable Loss + Atten. Loss

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

Directional Gain = $G_{ANT} + \text{Array Gain}$ * G_{ANT} applied the antenna gain of higher of ANT1 and ANT2.

Array Gain = 0 dB (i.e., no array gain) $N_{ANT} \leq 4$, N_{ANT} = number of transmit antennas = 2

15.407 Limit

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW

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

For all test frequencies, B was applied the minimum value (172.705 MHz) as conservative limit.

RSS-247 Limit

e.i.r.p. Limit (5150 MHz-5250 MHz, 5250 MHz-5350 MHz) = 30 mW - 3 dB

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

For all test frequencies, B was applied the minimum value (156.745 MHz) as conservative limit.

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

The test was performed with Gate function.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 17, 2024	SR5	25 deg.C	52 %RH	Yosuke Murakami

11a, SISO

Worst rate check (5180 MHz)

Antenna	Rate [Mbps]	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
					[dBm]	[mW]	
ANT1	6	-8.54	1.55	9.94	2.95	1.97	-
	9	-8.58	1.55	9.94	2.91	1.95	-
	12	-8.61	1.55	9.94	2.88	1.94	-
	18	-8.52	1.55	9.94	2.97	1.98	-
	24	-8.63	1.55	9.94	2.86	1.93	-
	36	-8.57	1.55	9.94	2.92	1.96	-
	48	-8.61	1.55	9.94	2.88	1.94	-
	54	-8.51	1.55	9.94	2.98	1.99	-
ANT2	6	-7.88	1.52	9.99	3.63	2.31	-
	9	-7.90	1.52	9.99	3.61	2.30	-
	12	-7.92	1.52	9.99	3.59	2.29	-
	18	-7.86	1.52	9.99	3.65	2.32	-
	24	-7.95	1.52	9.99	3.56	2.27	-
	36	-7.87	1.52	9.99	3.64	2.31	-
	48	-7.93	1.52	9.99	3.58	2.28	-
	54	-7.85	1.52	9.99	3.66	2.32	*

*Worst Rate

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 17, 2024	SR5	25 deg.C	52 %RH	Yosuke Murakami

11a, MIMO
Worst rate check (5180 MHz)

Rate [Mbps]	ANT1					ANT2					Total		Remark
	Reading	Cable Loss	Atten. Loss	Result		Reading	Cable Loss	Atten. Loss	Result		Result Power		
	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	
6	-8.05	1.55	9.94	3.44	2.21	-8.13	1.52	9.99	3.38	2.18	6.42	4.38	-
9	-8.17	1.55	9.94	3.32	2.15	-8.22	1.52	9.99	3.29	2.13	6.31	4.28	-
12	-8.18	1.55	9.94	3.31	2.14	-8.24	1.52	9.99	3.27	2.12	6.30	4.26	-
18	-8.05	1.55	9.94	3.44	2.21	-8.12	1.52	9.99	3.39	2.18	6.42	4.39	-
24	-8.22	1.55	9.94	3.27	2.12	-8.08	1.52	9.99	3.43	2.20	6.36	4.33	-
36	-8.11	1.55	9.94	3.38	2.18	-8.25	1.52	9.99	3.26	2.12	6.33	4.29	-
48	-8.17	1.55	9.94	3.32	2.15	-8.21	1.52	9.99	3.30	2.14	6.32	4.28	-
54	-8.02	1.55	9.94	3.47	2.22	-8.14	1.52	9.99	3.37	2.17	6.43	4.39	*

*Worst Rate

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = ANT1 Result + ANT2 Result

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	23 deg.C	46 %RH	Yosuke Murakami

Worst rate check (5180 MHz)

Mode	Antenna	MCS Index	Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
						[dBm]	[mW]	
11n-20, SISO	ANT1	0	-8.84	1.55	9.94	2.65	1.84	-
		1	-8.85	1.55	9.94	2.64	1.84	-
		2	-8.68	1.55	9.94	2.81	1.91	-
		3	-8.71	1.55	9.94	2.78	1.90	-
		4	-8.55	1.55	9.94	2.94	1.97	-
		5	-8.54	1.55	9.94	2.95	1.97	-
		6	-8.53	1.55	9.94	2.96	1.98	-
	ANT2	0	-8.15	1.52	9.99	3.36	2.17	-
		1	-8.17	1.52	9.99	3.34	2.16	-
		2	-7.93	1.52	9.99	3.58	2.28	-
		3	-7.95	1.52	9.99	3.56	2.27	-
		4	-7.89	1.52	9.99	3.62	2.30	-
		5	-7.84	1.52	9.99	3.67	2.33	-
		6	-7.83	1.52	9.99	3.68	2.33	-
11ac-20, SISO	ANT1	0 (1SS)	-8.77	1.55	9.94	2.72	1.87	-
		1 (1SS)	-8.78	1.55	9.94	2.71	1.87	-
		2 (1SS)	-8.61	1.55	9.94	2.88	1.94	-
		3 (1SS)	-8.62	1.55	9.94	2.87	1.94	-
		4 (1SS)	-8.49	1.55	9.94	3.00	1.99	-
		5 (1SS)	-8.48	1.55	9.94	3.01	2.00	-
		6 (1SS)	-8.47	1.55	9.94	3.02	2.00	-
		7 (1SS)	-8.46	1.55	9.94	3.03	2.01	-
	ANT2	0 (1SS)	-8.47	1.55	9.94	3.02	2.00	-
		1 (1SS)	-8.43	1.52	9.99	3.08	2.03	-
		2 (1SS)	-8.09	1.52	9.99	3.42	2.20	-
		3 (1SS)	-8.11	1.52	9.99	3.40	2.19	-
		4 (1SS)	-7.87	1.52	9.99	3.64	2.31	-
		5 (1SS)	-7.88	1.52	9.99	3.63	2.31	-
		6 (1SS)	-7.81	1.52	9.99	3.70	2.34	-
		7 (1SS)	-7.78	1.52	9.99	3.73	2.36	-
		8 (1SS)	-7.77	1.52	9.99	3.74	2.37	-
		8 (1SS)	-7.76	1.52	9.99	3.75	2.37	*

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	23 deg.C	46 %RH	Yosuke Murakami

Worst rate check (5180 MHz)

	MCS Index	Reading	Cable Loss	ANT1 Atten. Loss	Result		Reading	Cable Loss	ANT2 Atten. Loss	Result		Total Result Power		Remark
		[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	
11n-20, MIMO	0	-8.38	1.55	9.94	3.11	2.05	-8.56	1.52	9.99	2.95	1.97	6.04	4.02	-
	1	-8.37	1.55	9.94	3.12	2.05	-8.53	1.52	9.99	2.98	1.99	6.06	4.04	-
	2	-8.10	1.55	9.94	3.39	2.18	-8.29	1.52	9.99	3.22	2.10	6.31	4.28	-
	3	-8.11	1.55	9.94	3.38	2.18	-8.28	1.52	9.99	3.23	2.10	6.31	4.28	-
	4	-8.01	1.55	9.94	3.48	2.23	-8.17	1.52	9.99	3.34	2.16	6.42	4.38	-
	5	-8.02	1.55	9.94	3.47	2.22	-8.12	1.52	9.99	3.39	2.18	6.44	4.40	-
	6	-7.99	1.55	9.94	3.50	2.24	-8.13	1.52	9.99	3.38	2.18	6.45	4.42	-
	7	-7.98	1.55	9.94	3.51	2.24	-8.11	1.52	9.99	3.40	2.19	6.46	4.43	-
	8	-8.39	1.55	9.94	3.10	2.04	-8.57	1.52	9.99	2.94	1.97	6.03	4.01	-
	9	-8.37	1.55	9.94	3.12	2.05	-8.54	1.52	9.99	2.97	1.98	6.05	4.03	-
	10	-8.14	1.55	9.94	3.35	2.16	-8.29	1.52	9.99	3.22	2.10	6.29	4.26	-
	11	-8.15	1.55	9.94	3.34	2.16	-8.30	1.52	9.99	3.21	2.09	6.28	4.25	-
	12	-8.03	1.55	9.94	3.46	2.22	-8.17	1.52	9.99	3.34	2.16	6.41	4.37	-
	13	-8.02	1.55	9.94	3.47	2.22	-8.16	1.52	9.99	3.35	2.16	6.42	4.38	-
	14	-8.04	1.55	9.94	3.45	2.21	-8.14	1.52	9.99	3.37	2.17	6.42	4.38	-
	15	-8.00	1.55	9.94	3.49	2.23	-8.15	1.52	9.99	3.36	2.17	6.43	4.40	-
11ac-20, MIMO	0 (1SS)	-8.43	1.55	9.94	3.06	2.02	-8.59	1.52	9.99	2.92	1.96	6.00	3.98	-
	1 (1SS)	-8.41	1.55	9.94	3.08	2.03	-8.56	1.52	9.99	2.95	1.97	6.02	4.00	-
	2 (1SS)	-8.14	1.55	9.94	3.35	2.16	-8.30	1.52	9.99	3.21	2.09	6.29	4.26	-
	3 (1SS)	-8.15	1.55	9.94	3.34	2.16	-8.31	1.52	9.99	3.20	2.09	6.28	4.25	-
	4 (1SS)	-8.06	1.55	9.94	3.43	2.20	-8.20	1.52	9.99	3.31	2.14	6.38	4.34	-
	5 (1SS)	-8.05	1.55	9.94	3.44	2.21	-8.16	1.52	9.99	3.35	2.16	6.40	4.37	-
	6 (1SS)	-8.04	1.55	9.94	3.45	2.21	-8.15	1.52	9.99	3.36	2.17	6.41	4.38	-
	7 (1SS)	-8.03	1.55	9.94	3.46	2.22	-8.17	1.52	9.99	3.34	2.16	6.41	4.37	-
	8 (1SS)	-8.00	1.55	9.94	3.49	2.23	-8.08	1.52	9.99	3.43	2.20	6.47	4.44	*
	0 (2SS)	-8.44	1.55	9.94	3.05	2.02	-8.61	1.52	9.99	2.90	1.95	5.98	3.97	-
	1 (2SS)	-8.42	1.55	9.94	3.07	2.03	-8.57	1.52	9.99	2.94	1.97	6.01	3.99	-
	2 (2SS)	-8.17	1.55	9.94	3.32	2.15	-8.31	1.52	9.99	3.20	2.09	6.27	4.24	-
	3 (2SS)	-8.18	1.55	9.94	3.31	2.14	-8.32	1.52	9.99	3.19	2.08	6.26	4.23	-
	4 (2SS)	-8.08	1.55	9.94	3.41	2.19	-8.21	1.52	9.99	3.30	2.14	6.36	4.33	-
	5 (2SS)	-8.07	1.55	9.94	3.42	2.20	-8.20	1.52	9.99	3.31	2.14	6.37	4.34	-
	6 (2SS)	-8.08	1.55	9.94	3.41	2.19	-8.21	1.52	9.99	3.30	2.14	6.36	4.33	-
	7 (2SS)	-8.05	1.55	9.94	3.44	2.21	-8.19	1.52	9.99	3.32	2.15	6.39	4.35	-
	8 (2SS)	-8.04	1.55	9.94	3.45	2.21	-8.10	1.52	9.99	3.41	2.19	6.44	4.40	-

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = ANT1 Result + ANT2 Result

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 19, 2024	SR5	23 deg.C	40 %RH	Yosuke Murakami

11ax-20(OFDM), SISO

Worst rate check (5180 MHz)

Antenna	MCS Index	Reading	Cable Loss	Atten. Loss	Result		Remark
		[dBm]	[dB]	[dB]	[dBm]	[mW]	
ANT1	0 (1SS)	-9.56	1.55	9.94	1.93	1.56	-
	1 (1SS)	-9.57	1.55	9.94	1.92	1.56	-
	2 (1SS)	-9.55	1.55	9.94	1.94	1.56	-
	3 (1SS)	-9.53	1.55	9.94	1.96	1.57	-
	4 (1SS)	-9.34	1.55	9.94	2.15	1.64	-
	5 (1SS)	-9.37	1.55	9.94	2.12	1.63	-
	6 (1SS)	-9.39	1.55	9.94	2.10	1.62	-
	7 (1SS)	-9.35	1.55	9.94	2.14	1.64	-
	8 (1SS)	-9.40	1.55	9.94	2.09	1.62	-
	9 (1SS)	-9.37	1.55	9.94	2.12	1.63	-
	10 (1SS)	-9.36	1.55	9.94	2.13	1.63	-
	11 (1SS)	-9.33	1.55	9.94	2.16	1.64	-
ANT2	0 (1SS)	-9.19	1.52	9.99	2.32	1.71	-
	1 (1SS)	-9.20	1.52	9.99	2.31	1.70	-
	2 (1SS)	-9.18	1.52	9.99	2.33	1.71	-
	3 (1SS)	-9.17	1.52	9.99	2.34	1.71	-
	4 (1SS)	-9.15	1.52	9.99	2.36	1.72	-
	5 (1SS)	-9.12	1.52	9.99	2.39	1.73	-
	6 (1SS)	-9.11	1.52	9.99	2.40	1.74	-
	7 (1SS)	-9.12	1.52	9.99	2.39	1.73	-
	8 (1SS)	-9.16	1.52	9.99	2.35	1.72	-
	9 (1SS)	-9.17	1.52	9.99	2.34	1.71	-
	10 (1SS)	-9.10	1.52	9.99	2.41	1.74	-
	11 (1SS)	-9.08	1.52	9.99	2.43	1.75	*

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 19, 2024	SR5	23 deg.C	40 %RH	Yosuke Murakami

11ax-20(OFDM), MIMO
Worst rate check (5180 MHz)

MCS Index	Reading [dBm]	Cable Loss [dB]	ANT1		Result [dBm] [mW]	Reading [dBm]	Cable Loss [dB]	ANT2	Atten. Loss [dB]	Result [dBm] [mW]	Total Result Power [dBm] [mW]		Remark
			Atten. Loss [dB]										
0 (1SS)	-9.58	1.55	9.94	1.91	1.55	-9.73	1.52	9.99	1.78	1.51	4.85	3.06	-
1 (1SS)	-9.59	1.55	9.94	1.90	1.55	-9.74	1.52	9.99	1.77	1.50	4.84	3.05	-
2 (1SS)	-9.53	1.55	9.94	1.96	1.57	-9.71	1.52	9.99	1.80	1.51	4.89	3.08	-
3 (1SS)	-9.50	1.55	9.94	1.99	1.58	-9.70	1.52	9.99	1.81	1.52	4.91	3.10	-
4 (1SS)	-9.30	1.55	9.94	2.19	1.65	-9.45	1.52	9.99	2.06	1.61	5.13	3.26	-
5 (1SS)	-9.31	1.55	9.94	2.18	1.65	-9.46	1.52	9.99	2.05	1.60	5.12	3.25	-
6 (1SS)	-9.32	1.55	9.94	2.17	1.65	-9.47	1.52	9.99	2.04	1.60	5.11	3.25	-
7 (1SS)	-9.29	1.55	9.94	2.20	1.66	-9.44	1.52	9.99	2.07	1.61	5.14	3.27	-
8 (1SS)	-9.31	1.55	9.94	2.18	1.65	-9.46	1.52	9.99	2.05	1.60	5.12	3.25	-
9 (1SS)	-9.29	1.55	9.94	2.20	1.66	-9.45	1.52	9.99	2.06	1.61	5.14	3.27	-
10 (1SS)	-9.25	1.55	9.94	2.24	1.67	-9.41	1.52	9.99	2.10	1.62	5.18	3.30	-
11 (1SS)	-9.22	1.55	9.94	2.27	1.69	-9.36	1.52	9.99	2.15	1.64	5.22	3.33	*
0 (2SS)	-9.59	1.55	9.94	1.90	1.55	-9.75	1.52	9.99	1.76	1.50	4.84	3.05	-
1 (2SS)	-9.62	1.55	9.94	1.87	1.54	-9.76	1.52	9.99	1.75	1.50	4.82	3.03	-
2 (2SS)	-9.55	1.55	9.94	1.94	1.56	-9.72	1.52	9.99	1.79	1.51	4.87	3.07	-
3 (2SS)	-9.51	1.55	9.94	1.98	1.58	-9.72	1.52	9.99	1.79	1.51	4.90	3.09	-
4 (2SS)	-9.31	1.55	9.94	2.18	1.65	-9.46	1.52	9.99	2.05	1.60	5.12	3.25	-
5 (2SS)	-9.32	1.55	9.94	2.17	1.65	-9.47	1.52	9.99	2.04	1.60	5.11	3.25	-
6 (2SS)	-9.34	1.55	9.94	2.15	1.64	-9.48	1.52	9.99	2.03	1.60	5.10	3.24	-
7 (2SS)	-9.30	1.55	9.94	2.19	1.65	-9.45	1.52	9.99	2.06	1.61	5.13	3.26	-
8 (2SS)	-9.32	1.55	9.94	2.17	1.65	-9.46	1.52	9.99	2.05	1.60	5.12	3.25	-
9 (2SS)	-9.31	1.55	9.94	2.18	1.65	-9.44	1.52	9.99	2.07	1.61	5.13	3.26	-
10 (2SS)	-9.27	1.55	9.94	2.22	1.67	-9.42	1.52	9.99	2.09	1.62	5.16	3.28	-
11 (2SS)	-9.24	1.55	9.94	2.25	1.68	-9.39	1.52	9.99	2.12	1.63	5.19	3.31	-

*Worst MCS

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = ANT1 Result + ANT2 Result

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki

Worst rate check (5190 MHz)

Mode	Antenna	MCS Index	Reading	Cable Loss	Atten. Loss	Result		Remark
			[dBm]	[dB]	[dB]	[dBm]	[mW]	
11n-40, SISO	ANT1	0	-8.50	1.55	9.94	2.99	1.99	-
		1	-8.47	1.55	9.94	3.02	2.00	-
		2	-8.49	1.55	9.94	3.00	2.00	-
		3	-8.53	1.55	9.94	2.96	1.98	-
		4	-8.70	1.55	9.94	2.79	1.90	-
		5	-8.66	1.55	9.94	2.83	1.92	-
		6	-8.73	1.55	9.94	2.76	1.89	-
		7	-8.48	1.55	9.94	3.01	2.00	-
	ANT2	0	-7.81	1.52	9.99	3.70	2.34	-
		1	-7.82	1.52	9.99	3.69	2.34	-
		2	-8.08	1.52	9.99	3.43	2.20	-
		3	-8.06	1.52	9.99	3.45	2.21	-
		4	-8.21	1.52	9.99	3.30	2.14	-
		5	-8.19	1.52	9.99	3.32	2.15	-
		6	-8.24	1.52	9.99	3.27	2.12	-
11ac-40, SISO	ANT1	0 (1SS)	-8.43	1.55	9.94	3.06	2.02	-
		1 (1SS)	-8.44	1.55	9.94	3.05	2.02	-
		2 (1SS)	-8.52	1.55	9.94	2.97	1.98	-
		3 (1SS)	-8.51	1.55	9.94	2.98	1.99	-
		4 (1SS)	-8.69	1.55	9.94	2.80	1.91	-
		5 (1SS)	-8.70	1.55	9.94	2.79	1.90	-
		6 (1SS)	-8.69	1.55	9.94	2.80	1.91	-
		7 (1SS)	-8.67	1.55	9.94	2.82	1.91	-
		8 (1SS)	-8.67	1.55	9.94	2.82	1.91	-
	ANT2	0 (1SS)	-7.79	1.52	9.99	3.72	2.36	-
		1 (1SS)	-7.82	1.52	9.99	3.69	2.34	-
		2 (1SS)	-7.95	1.52	9.99	3.56	2.27	-
		3 (1SS)	-8.01	1.52	9.99	3.50	2.24	-
		4 (1SS)	-8.05	1.52	9.99	3.46	2.22	-
		5 (1SS)	-8.11	1.52	9.99	3.40	2.19	-
		6 (1SS)	-8.13	1.52	9.99	3.38	2.18	-
		7 (1SS)	-8.17	1.52	9.99	3.34	2.16	-
		8 (1SS)	-8.21	1.52	9.99	3.30	2.14	-
		9 (1SS)	-7.75	1.52	9.99	3.76	2.38	*

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki

Worst rate check (5190 MHz)

Mode	MCS Index	Reading	Cable Loss	ANT1 Atten. Loss	Result		Reading	Cable Loss	ANT2 Atten. Loss	Result		Total Result Power		Remark
		[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	
11n-40, MIMO	0	-8.05	1.55	9.94	3.44	2.21	-8.00	1.52	9.99	3.51	2.24	6.49	4.45	-
	1	-8.03	1.55	9.94	3.46	2.22	-8.02	1.52	9.99	3.49	2.23	6.49	4.45	-
	2	-8.03	1.55	9.94	3.46	2.22	-8.18	1.52	9.99	3.33	2.15	6.41	4.37	-
	3	-8.04	1.55	9.94	3.45	2.21	-8.21	1.52	9.99	3.30	2.14	6.39	4.35	-
	4	-8.20	1.55	9.94	3.29	2.13	-8.22	1.52	9.99	3.29	2.13	6.30	4.27	-
	5	-8.21	1.55	9.94	3.28	2.13	-8.25	1.52	9.99	3.26	2.12	6.28	4.25	-
	6	-8.25	1.55	9.94	3.24	2.11	-8.18	1.52	9.99	3.33	2.15	6.30	4.26	-
	7	-8.01	1.55	9.94	3.48	2.23	-7.99	1.52	9.99	3.52	2.25	6.51	4.48	-
	8	-8.06	1.55	9.94	3.43	2.20	-8.02	1.52	9.99	3.49	2.23	6.47	4.44	-
	9	-8.05	1.55	9.94	3.44	2.21	-8.01	1.52	9.99	3.50	2.24	6.48	4.45	-
	10	-8.07	1.55	9.94	3.42	2.20	-8.19	1.52	9.99	3.32	2.15	6.38	4.35	-
	11	-8.09	1.55	9.94	3.40	2.19	-8.23	1.52	9.99	3.28	2.13	6.35	4.32	-
	12	-8.21	1.55	9.94	3.28	2.13	-8.24	1.52	9.99	3.27	2.12	6.29	4.25	-
	13	-8.27	1.55	9.94	3.22	2.10	-8.25	1.52	9.99	3.26	2.12	6.25	4.22	-
	14	-8.28	1.55	9.94	3.21	2.09	-8.23	1.52	9.99	3.28	2.13	6.26	4.22	-
11ac-40, MIMO	15	-8.03	1.55	9.94	3.46	2.22	-8.01	1.52	9.99	3.50	2.24	6.49	4.46	-
	0 (1SS)	-8.04	1.55	9.94	3.45	2.21	-8.05	1.52	9.99	3.46	2.22	6.47	4.43	-
	1 (1SS)	-8.05	1.55	9.94	3.44	2.21	-8.06	1.52	9.99	3.45	2.21	6.46	4.42	-
	2 (1SS)	-8.08	1.55	9.94	3.41	2.19	-8.23	1.52	9.99	3.28	2.13	6.36	4.32	-
	3 (1SS)	-8.09	1.55	9.94	3.40	2.19	-8.25	1.52	9.99	3.26	2.12	6.34	4.31	-
	4 (1SS)	-8.22	1.55	9.94	3.27	2.12	-8.26	1.52	9.99	3.25	2.11	6.27	4.24	-
	5 (1SS)	-8.26	1.55	9.94	3.23	2.10	-8.25	1.52	9.99	3.26	2.12	6.26	4.22	-
	6 (1SS)	-8.26	1.55	9.94	3.23	2.10	-8.30	1.52	9.99	3.21	2.09	6.23	4.20	-
	7 (1SS)	-8.27	1.55	9.94	3.22	2.10	-8.33	1.52	9.99	3.18	2.08	6.21	4.18	-
	8 (1SS)	-8.24	1.55	9.94	3.25	2.11	-8.23	1.52	9.99	3.28	2.13	6.28	4.24	-
	9 (1SS)	-8.01	1.55	9.94	3.48	2.23	-7.98	1.52	9.99	3.53	2.25	6.52	4.48	*
	0 (2SS)	-8.07	1.55	9.94	3.42	2.20	-8.07	1.52	9.99	3.44	2.21	6.44	4.41	-
	1 (2SS)	-8.07	1.55	9.94	3.42	2.20	-8.05	1.52	9.99	3.46	2.22	6.45	4.42	-
	2 (2SS)	-8.04	1.55	9.94	3.45	2.21	-8.21	1.52	9.99	3.30	2.14	6.39	4.35	-
	3 (2SS)	-8.09	1.55	9.94	3.40	2.19	-8.24	1.52	9.99	3.27	2.12	6.35	4.31	-
	4 (2SS)	-8.18	1.55	9.94	3.31	2.14	-8.30	1.52	9.99	3.21	2.09	6.27	4.24	-
	5 (2SS)	-8.23	1.55	9.94	3.26	2.12	-8.24	1.52	9.99	3.27	2.12	6.28	4.24	-
	6 (2SS)	-8.31	1.55	9.94	3.18	2.08	-8.26	1.52	9.99	3.25	2.11	6.23	4.19	-
	7 (2SS)	-8.28	1.55	9.94	3.21	2.09	-8.29	1.52	9.99	3.22	2.10	6.23	4.19	-
	8 (2SS)	-8.24	1.55	9.94	3.25	2.11	-8.29	1.52	9.99	3.22	2.10	6.25	4.21	-
	9 (2SS)	-8.02	1.55	9.94	3.47	2.22	-8.03	1.52	9.99	3.48	2.23	6.49	4.45	-

*Worst MCS

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = ANT1 Result + ANT2 Result

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 23, 2024	SR5	20 deg.C	35 %RH	Hiromasa Sato

11ax-40(OFDM), SISO

Worst rate check (5190 MHz)

Antenna	MCS Index	Reading	Cable Loss	Atten. Loss	Result		Remark
		[dBm]	[dB]	[dB]	[dBm]	[mW]	
ANT1	0 (1SS)	-9.24	1.55	9.94	2.25	1.68	-
	1 (1SS)	-9.25	1.55	9.94	2.24	1.67	-
	2 (1SS)	-9.29	1.55	9.94	2.20	1.66	-
	3 (1SS)	-9.39	1.55	9.94	2.10	1.62	-
	4 (1SS)	-9.31	1.55	9.94	2.18	1.65	-
	5 (1SS)	-9.32	1.55	9.94	2.17	1.65	-
	6 (1SS)	-9.30	1.55	9.94	2.19	1.66	-
	7 (1SS)	-9.29	1.55	9.94	2.20	1.66	-
	8 (1SS)	-9.25	1.55	9.94	2.24	1.67	-
	9 (1SS)	-9.27	1.55	9.94	2.22	1.67	-
	10 (1SS)	-9.29	1.55	9.94	2.20	1.66	-
	11 (1SS)	-9.23	1.55	9.94	2.26	1.68	-
ANT2	0 (1SS)	-8.81	1.52	9.99	2.70	1.86	-
	1 (1SS)	-8.86	1.52	9.99	2.65	1.84	-
	2 (1SS)	-8.93	1.52	9.99	2.58	1.81	-
	3 (1SS)	-8.95	1.52	9.99	2.56	1.80	-
	4 (1SS)	-8.93	1.52	9.99	2.58	1.81	-
	5 (1SS)	-8.85	1.52	9.99	2.66	1.85	-
	6 (1SS)	-8.86	1.52	9.99	2.65	1.84	-
	7 (1SS)	-8.95	1.52	9.99	2.56	1.80	-
	8 (1SS)	-8.98	1.52	9.99	2.53	1.79	-
	9 (1SS)	-8.93	1.52	9.99	2.58	1.81	-
	10 (1SS)	-8.94	1.52	9.99	2.57	1.81	-
	11 (1SS)	-8.80	1.52	9.99	2.71	1.87	*

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 23, 2024	SR5	20 deg.C	35 %RH	Hiromasa Sato

11ax-40(OFDM), MIMO
Worst rate check (5190 MHz)

MCS Index	ANT1					ANT2					Total		Remark
	Reading	Cable Loss	Atten. Loss	Result		Reading	Cable Loss	Atten. Loss	Result		Result Power		
	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	
0 (1SS)	-9.15	1.55	9.94	2.34	1.71	-9.22	1.52	9.99	2.29	1.69	5.33	3.41	-
1 (1SS)	-9.16	1.55	9.94	2.33	1.71	-9.25	1.52	9.99	2.26	1.68	5.31	3.39	-
2 (1SS)	-9.13	1.55	9.94	2.36	1.72	-9.23	1.52	9.99	2.28	1.69	5.33	3.41	-
3 (1SS)	-9.26	1.55	9.94	2.23	1.67	-9.24	1.52	9.99	2.27	1.69	5.26	3.36	-
4 (1SS)	-9.19	1.55	9.94	2.30	1.70	-9.12	1.52	9.99	2.39	1.73	5.36	3.43	-
5 (1SS)	-9.19	1.55	9.94	2.30	1.70	-9.14	1.52	9.99	2.37	1.73	5.35	3.42	-
6 (1SS)	-9.23	1.55	9.94	2.26	1.68	-9.15	1.52	9.99	2.36	1.72	5.32	3.40	-
7 (1SS)	-9.27	1.55	9.94	2.22	1.67	-9.12	1.52	9.99	2.39	1.73	5.32	3.40	-
8 (1SS)	-9.27	1.55	9.94	2.22	1.67	-9.18	1.52	9.99	2.33	1.71	5.29	3.38	-
9 (1SS)	-9.22	1.55	9.94	2.27	1.69	-9.18	1.52	9.99	2.33	1.71	5.31	3.40	-
10 (1SS)	-9.14	1.55	9.94	2.35	1.72	-9.12	1.52	9.99	2.39	1.73	5.38	3.45	-
11 (1SS)	-9.12	1.55	9.94	2.37	1.73	-9.04	1.52	9.99	2.47	1.77	5.43	3.49	*
0 (2SS)	-9.12	1.55	9.94	2.37	1.73	-9.28	1.52	9.99	2.23	1.67	5.31	3.40	-
1 (2SS)	-9.09	1.55	9.94	2.40	1.74	-9.33	1.52	9.99	2.18	1.65	5.30	3.39	-
2 (2SS)	-9.18	1.55	9.94	2.31	1.70	-9.32	1.52	9.99	2.19	1.66	5.26	3.36	-
3 (2SS)	-9.13	1.55	9.94	2.36	1.72	-9.33	1.52	9.99	2.18	1.65	5.28	3.37	-
4 (2SS)	-9.21	1.55	9.94	2.28	1.69	-9.18	1.52	9.99	2.33	1.71	5.32	3.40	-
5 (2SS)	-9.09	1.55	9.94	2.40	1.74	-9.22	1.52	9.99	2.29	1.69	5.36	3.43	-
6 (2SS)	-9.13	1.55	9.94	2.36	1.72	-9.15	1.52	9.99	2.36	1.72	5.37	3.44	-
7 (2SS)	-9.12	1.55	9.94	2.37	1.73	-9.20	1.52	9.99	2.31	1.70	5.35	3.43	-
8 (2SS)	-9.15	1.55	9.94	2.34	1.71	-9.14	1.52	9.99	2.37	1.73	5.37	3.44	-
9 (2SS)	-9.10	1.55	9.94	2.39	1.73	-9.19	1.52	9.99	2.32	1.71	5.37	3.44	-
10 (2SS)	-9.20	1.55	9.94	2.29	1.69	-9.24	1.52	9.99	2.27	1.69	5.29	3.38	-
11 (2SS)	-9.20	1.55	9.94	2.29	1.69	-9.14	1.52	9.99	2.37	1.73	5.34	3.42	-

*Worst MCS

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = ANT1 Result + ANT2 Result

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki

11ac-80, SISO

Worst rate check (5210 MHz)

Antenna	MCS Index	Reading	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
		[dBm]			[dBm]	[mW]	
ANT1	0 (1SS)	-8.52	1.55	9.94	2.97	1.98	-
	1 (1SS)	-8.56	1.55	9.94	2.93	1.96	-
	2 (1SS)	-8.67	1.55	9.94	2.82	1.91	-
	3 (1SS)	-8.70	1.55	9.94	2.79	1.90	-
	4 (1SS)	-8.57	1.55	9.94	2.92	1.96	-
	5 (1SS)	-8.53	1.55	9.94	2.96	1.98	-
	6 (1SS)	-8.52	1.55	9.94	2.97	1.98	-
	7 (1SS)	-8.50	1.55	9.94	2.99	1.99	-
	8 (1SS)	-8.50	1.55	9.94	2.99	1.99	-
	9 (1SS)	-8.46	1.55	9.94	3.03	2.01	-
ANT2	0 (1SS)	-7.87	1.52	9.99	3.64	2.31	-
	1 (1SS)	-7.90	1.52	9.99	3.61	2.30	-
	2 (1SS)	-8.03	1.52	9.99	3.48	2.23	-
	3 (1SS)	-8.06	1.52	9.99	3.45	2.21	-
	4 (1SS)	-7.92	1.52	9.99	3.59	2.29	-
	5 (1SS)	-7.89	1.52	9.99	3.62	2.30	-
	6 (1SS)	-7.90	1.52	9.99	3.61	2.30	-
	7 (1SS)	-7.89	1.52	9.99	3.62	2.30	-
	8 (1SS)	-7.87	1.52	9.99	3.64	2.31	-
	9 (1SS)	-7.84	1.52	9.99	3.67	2.33	*

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki

11ac-80, MIMO
Worst rate check (5210 MHz)

MCS Index	ANT1						ANT2						Total		Remark
	Reading	Cable Loss	Atten. Loss	Result		Reading	Cable Loss	Atten. Loss	Result		Result Power				
	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]			
0 (1SS)	-8.22	1.55	9.94	3.27	2.12	-8.28	1.52	9.99	3.23	2.10	6.26	4.23	-		
1 (1SS)	-8.30	1.55	9.94	3.19	2.08	-8.30	1.52	9.99	3.21	2.09	6.21	4.18	-		
2 (1SS)	-8.37	1.55	9.94	3.12	2.05	-8.39	1.52	9.99	3.12	2.05	6.13	4.10	-		
3 (1SS)	-8.31	1.55	9.94	3.18	2.08	-8.42	1.52	9.99	3.09	2.04	6.15	4.12	-		
4 (1SS)	-8.23	1.55	9.94	3.26	2.12	-8.30	1.52	9.99	3.21	2.09	6.25	4.21	-		
5 (1SS)	-8.19	1.55	9.94	3.30	2.14	-8.27	1.52	9.99	3.24	2.11	6.28	4.25	-		
6 (1SS)	-8.23	1.55	9.94	3.26	2.12	-8.32	1.52	9.99	3.19	2.08	6.24	4.20	-		
7 (1SS)	-8.18	1.55	9.94	3.31	2.14	-8.26	1.52	9.99	3.25	2.11	6.29	4.26	-		
8 (1SS)	-8.19	1.55	9.94	3.30	2.14	-8.25	1.52	9.99	3.26	2.12	6.29	4.26	-		
9 (1SS)	-8.16	1.55	9.94	3.33	2.15	-8.22	1.52	9.99	3.29	2.13	6.32	4.29	*		
0 (2SS)	-8.23	1.55	9.94	3.26	2.12	-8.30	1.52	9.99	3.21	2.09	6.25	4.21	-		
1 (2SS)	-8.21	1.55	9.94	3.28	2.13	-8.29	1.52	9.99	3.22	2.10	6.26	4.23	-		
2 (2SS)	-8.38	1.55	9.94	3.11	2.05	-8.40	1.52	9.99	3.11	2.05	6.12	4.09	-		
3 (2SS)	-8.34	1.55	9.94	3.15	2.07	-8.41	1.52	9.99	3.10	2.04	6.14	4.11	-		
4 (2SS)	-8.28	1.55	9.94	3.21	2.09	-8.30	1.52	9.99	3.21	2.09	6.22	4.19	-		
5 (2SS)	-8.25	1.55	9.94	3.24	2.11	-8.32	1.52	9.99	3.19	2.08	6.23	4.19	-		
6 (2SS)	-8.28	1.55	9.94	3.21	2.09	-8.31	1.52	9.99	3.20	2.09	6.22	4.18	-		
7 (2SS)	-8.20	1.55	9.94	3.29	2.13	-8.28	1.52	9.99	3.23	2.10	6.27	4.24	-		
8 (2SS)	-8.17	1.55	9.94	3.32	2.15	-8.33	1.52	9.99	3.18	2.08	6.26	4.23	-		
9 (2SS)	-8.17	1.55	9.94	3.32	2.15	-8.25	1.52	9.99	3.26	2.12	6.30	4.27	-		

*Worst MCS

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = ANT1 Result + ANT2 Result

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 20, 2024	SR5	22 deg.C	40 %RH	Yohsuke Matsuzawa

11ax-80(OFDM), SISO

Worst rate check (5210 MHz)

Antenna	MCS Index	Reading	Cable Loss	Atten. Loss	Result		Remark
		[dBm]	[dB]	[dB]	[dBm]	[mW]	
ANT1	0 (1SS)	-9.96	1.55	9.94	1.53	1.42	-
	1 (1SS)	-9.89	1.55	9.94	1.60	1.45	-
	2 (1SS)	-9.85	1.55	9.94	1.64	1.46	-
	3 (1SS)	-9.76	1.55	9.94	1.73	1.49	-
	4 (1SS)	-9.50	1.55	9.94	1.99	1.58	-
	5 (1SS)	-9.62	1.55	9.94	1.87	1.54	-
	6 (1SS)	-9.55	1.55	9.94	1.94	1.56	-
	7 (1SS)	-9.52	1.55	9.94	1.97	1.57	-
	8 (1SS)	-9.62	1.55	9.94	1.87	1.54	-
	9 (1SS)	-9.51	1.55	9.94	1.98	1.58	-
	10 (1SS)	-9.64	1.55	9.94	1.85	1.53	-
	11 (1SS)	-9.49	1.55	9.94	2.00	1.58	-
ANT2	0 (1SS)	-9.31	1.52	9.99	2.20	1.66	-
	1 (1SS)	-9.30	1.52	9.99	2.21	1.66	-
	2 (1SS)	-9.25	1.52	9.99	2.26	1.68	-
	3 (1SS)	-9.13	1.52	9.99	2.38	1.73	-
	4 (1SS)	-8.89	1.52	9.99	2.62	1.83	-
	5 (1SS)	-9.17	1.52	9.99	2.34	1.71	-
	6 (1SS)	-8.89	1.52	9.99	2.62	1.83	-
	7 (1SS)	-8.95	1.52	9.99	2.56	1.80	-
	8 (1SS)	-9.15	1.52	9.99	2.36	1.72	-
	9 (1SS)	-8.91	1.52	9.99	2.60	1.82	-
	10 (1SS)	-9.07	1.52	9.99	2.44	1.75	-
	11 (1SS)	-8.87	1.52	9.99	2.64	1.84	*

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 20, 2024	SR5	22 deg.C	40 %RH	Yohsuke Matsuzawa

11ax-80(OFDM), MIMO
Worst rate check (5210 MHz)

MCS Index	Reading [dBm]	Cable Loss [dB]	ANT1		Result		Reading [dBm]	Cable Loss [dB]	ANT2	Atten. Loss [dB]	Result		Total Result Power		Remark
			Atten. Loss [dB]		[dBm]	[mW]					[dBm]	[mW]	[dBm]	[mW]	
0 (1SS)	-9.77	1.55	9.94		1.72	1.49	-9.65	1.52	9.99		1.86	1.53	4.80	3.02	-
1 (1SS)	-9.78	1.55	9.94		1.71	1.48	-9.66	1.52	9.99		1.85	1.53	4.79	3.01	-
2 (1SS)	-9.83	1.55	9.94		1.66	1.47	-9.60	1.52	9.99		1.91	1.55	4.80	3.02	-
3 (1SS)	-9.81	1.55	9.94		1.68	1.47	-9.53	1.52	9.99		1.98	1.58	4.84	3.05	-
4 (1SS)	-9.37	1.55	9.94		2.12	1.63	-9.26	1.52	9.99		2.25	1.68	5.20	3.31	-
5 (1SS)	-9.54	1.55	9.94		1.95	1.57	-9.51	1.52	9.99		2.00	1.58	4.99	3.15	-
6 (1SS)	-9.50	1.55	9.94		1.99	1.58	-9.29	1.52	9.99		2.22	1.67	5.12	3.25	-
7 (1SS)	-9.62	1.55	9.94		1.87	1.54	-9.35	1.52	9.99		2.16	1.64	5.03	3.18	-
8 (1SS)	-9.54	1.55	9.94		1.95	1.57	-9.34	1.52	9.99		2.17	1.65	5.07	3.21	-
9 (1SS)	-9.47	1.55	9.94		2.02	1.59	-9.15	1.52	9.99		2.36	1.72	5.20	3.31	-
10 (1SS)	-9.54	1.55	9.94		1.95	1.57	-9.52	1.52	9.99		1.99	1.58	4.98	3.15	-
11 (1SS)	-9.28	1.55	9.94		2.21	1.66	-9.18	1.52	9.99		2.33	1.71	5.28	3.37	*
0 (2SS)	-9.79	1.55	9.94		1.70	1.48	-9.63	1.52	9.99		1.88	1.54	4.80	3.02	-
1 (2SS)	-9.83	1.55	9.94		1.66	1.47	-9.58	1.52	9.99		1.93	1.56	4.81	3.03	-
2 (2SS)	-9.81	1.55	9.94		1.68	1.47	-9.56	1.52	9.99		1.95	1.57	4.83	3.04	-
3 (2SS)	-9.69	1.55	9.94		1.80	1.51	-9.59	1.52	9.99		1.92	1.56	4.87	3.07	-
4 (2SS)	-9.57	1.55	9.94		1.92	1.56	-9.58	1.52	9.99		1.93	1.56	4.94	3.12	-
5 (2SS)	-9.68	1.55	9.94		1.81	1.52	-9.50	1.52	9.99		2.01	1.59	4.92	3.11	-
6 (2SS)	-9.65	1.55	9.94		1.84	1.53	-9.50	1.52	9.99		2.01	1.59	4.94	3.12	-
7 (2SS)	-9.43	1.55	9.94		2.06	1.61	-9.05	1.52	9.99		2.46	1.76	5.27	3.37	-
8 (2SS)	-9.58	1.55	9.94		1.91	1.55	-9.42	1.52	9.99		2.09	1.62	5.01	3.17	-
9 (2SS)	-9.40	1.55	9.94		2.09	1.62	-9.47	1.52	9.99		2.04	1.60	5.08	3.22	-
10 (2SS)	-9.67	1.55	9.94		1.82	1.52	-9.48	1.52	9.99		2.03	1.60	4.94	3.12	-
11 (2SS)	-9.56	1.55	9.94		1.93	1.56	-9.41	1.52	9.99		2.10	1.62	5.03	3.18	-

*Worst MCS

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = ANT1 Result + ANT2 Result

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki

11ac-160, SISO

Worst rate check (5250 MHz)

Antenna	MCS Index	Reading	Cable Loss [dB]	Atten. Loss [dB]	Result		Remark
		[dBm]			[dBm]	[mW]	
ANT1	0 (1SS)	-8.62	1.65	9.94	2.97	1.98	-
	1 (1SS)	-8.64	1.65	9.94	2.95	1.97	-
	2 (1SS)	-8.64	1.65	9.94	2.95	1.97	-
	3 (1SS)	-8.65	1.65	9.94	2.94	1.97	-
	4 (1SS)	-8.64	1.65	9.94	2.95	1.97	-
	5 (1SS)	-8.61	1.65	9.94	2.98	1.99	-
	6 (1SS)	-8.57	1.65	9.94	3.02	2.00	-
	7 (1SS)	-8.58	1.65	9.94	3.01	2.00	-
	8 (1SS)	-8.54	1.65	9.94	3.05	2.02	-
	9 (1SS)	-8.52	1.65	9.94	3.07	2.03	-
ANT2	0 (1SS)	-8.12	1.61	9.99	3.48	2.23	-
	1 (1SS)	-8.09	1.61	9.99	3.51	2.25	-
	2 (1SS)	-8.21	1.61	9.99	3.39	2.18	-
	3 (1SS)	-8.21	1.61	9.99	3.39	2.18	-
	4 (1SS)	-8.00	1.61	9.99	3.60	2.29	-
	5 (1SS)	-8.04	1.61	9.99	3.56	2.27	-
	6 (1SS)	-8.05	1.61	9.99	3.55	2.27	-
	7 (1SS)	-8.03	1.61	9.99	3.57	2.28	-
	8 (1SS)	-8.02	1.61	9.99	3.58	2.28	-
	9 (1SS)	-7.98	1.61	9.99	3.63	2.31	*

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 18, 2024	SR5	24 deg.C	46 %RH	Masahide Ozaki

11ac-160, MIMO
Worst rate check (5250 MHz)

MCS Index	ANT1					ANT2					Total		Remark
	Reading	Cable Loss	Atten. Loss	Result		Reading	Cable Loss	Atten. Loss	Result		Result Power		
	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[dB]	[dB]	[dBm]	[mW]	[dBm]	[mW]	
0 (1SS)	-8.36	1.65	9.94	3.23	2.10	-8.35	1.61	9.99	3.25	2.12	6.25	4.22	-
1 (1SS)	-8.43	1.65	9.94	3.16	2.07	-8.44	1.61	9.99	3.16	2.07	6.17	4.14	-
2 (1SS)	-8.41	1.65	9.94	3.18	2.08	-8.47	1.61	9.99	3.13	2.06	6.17	4.14	-
3 (1SS)	-8.44	1.65	9.94	3.15	2.06	-8.46	1.61	9.99	3.14	2.06	6.16	4.13	-
4 (1SS)	-8.42	1.65	9.94	3.17	2.07	-8.29	1.61	9.99	3.31	2.15	6.25	4.22	-
5 (1SS)	-8.36	1.65	9.94	3.23	2.10	-8.40	1.61	9.99	3.20	2.09	6.23	4.19	-
6 (1SS)	-8.34	1.65	9.94	3.25	2.11	-8.30	1.61	9.99	3.30	2.14	6.29	4.25	-
7 (1SS)	-8.37	1.65	9.94	3.22	2.10	-8.41	1.61	9.99	3.19	2.09	6.22	4.18	-
8 (1SS)	-8.37	1.65	9.94	3.22	2.10	-8.36	1.61	9.99	3.24	2.11	6.24	4.21	-
9 (1SS)	-8.27	1.65	9.94	3.32	2.15	-8.24	1.61	9.99	3.36	2.17	6.36	4.32	*
0 (2SS)	-8.37	1.65	9.94	3.22	2.10	-8.44	1.61	9.99	3.16	2.07	6.20	4.17	-
1 (2SS)	-8.38	1.65	9.94	3.21	2.09	-8.39	1.61	9.99	3.21	2.10	6.22	4.19	-
2 (2SS)	-8.41	1.65	9.94	3.18	2.08	-8.45	1.61	9.99	3.15	2.07	6.18	4.15	-
3 (2SS)	-8.36	1.65	9.94	3.23	2.10	-8.47	1.61	9.99	3.13	2.06	6.19	4.16	-
4 (2SS)	-8.35	1.65	9.94	3.24	2.11	-8.36	1.61	9.99	3.24	2.11	6.25	4.22	-
5 (2SS)	-8.25	1.65	9.94	3.34	2.16	-8.29	1.61	9.99	3.31	2.15	6.34	4.30	-
6 (2SS)	-8.35	1.65	9.94	3.24	2.11	-8.36	1.61	9.99	3.24	2.11	6.25	4.22	-
7 (2SS)	-8.34	1.65	9.94	3.25	2.11	-8.30	1.61	9.99	3.30	2.14	6.29	4.25	-
8 (2SS)	-8.33	1.65	9.94	3.26	2.12	-8.34	1.61	9.99	3.26	2.12	6.27	4.24	-
9 (2SS)	-8.26	1.65	9.94	3.33	2.15	-8.34	1.61	9.99	3.26	2.12	6.31	4.27	-

*Worst MCS

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

Total Result = ANT1 Result + ANT2 Result

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 20, 2024	SR5	22 deg.C	40 %RH	Yohsuke Matsuzawa

11ax-160(OFDM), SISO

Worst rate check (5250 MHz)

Antenna	MCS Index	Reading	Cable Loss	Atten. Loss	Result		Remark
		[dBm]	[dB]	[dB]	[dBm]	[mW]	
ANT1	0 (1SS)	-9.49	1.65	9.94	2.10	1.62	-
	1 (1SS)	-9.44	1.65	9.94	2.15	1.64	-
	2 (1SS)	-9.58	1.65	9.94	2.01	1.59	-
	3 (1SS)	-9.47	1.65	9.94	2.12	1.63	-
	4 (1SS)	-9.13	1.65	9.94	2.46	1.76	-
	5 (1SS)	-9.06	1.65	9.94	2.53	1.79	-
	6 (1SS)	-8.99	1.65	9.94	2.60	1.82	-
	7 (1SS)	-8.89	1.65	9.94	2.70	1.86	-
	8 (1SS)	-9.08	1.65	9.94	2.51	1.78	-
	9 (1SS)	-8.98	1.65	9.94	2.61	1.82	-
	10 (1SS)	-9.05	1.65	9.94	2.54	1.79	-
	11 (1SS)	-8.98	1.65	9.94	2.61	1.82	-
ANT2	0 (1SS)	-9.28	1.61	9.99	2.33	1.71	-
	1 (1SS)	-9.19	1.61	9.99	2.42	1.75	-
	2 (1SS)	-9.34	1.61	9.99	2.27	1.69	-
	3 (1SS)	-9.22	1.61	9.99	2.39	1.73	-
	4 (1SS)	-8.96	1.61	9.99	2.65	1.84	-
	5 (1SS)	-8.90	1.61	9.99	2.71	1.87	-
	6 (1SS)	-8.85	1.61	9.99	2.76	1.89	-
	7 (1SS)	-8.87	1.61	9.99	2.74	1.88	-
	8 (1SS)	-8.88	1.61	9.99	2.73	1.87	-
	9 (1SS)	-8.84	1.61	9.99	2.77	1.89	-
	10 (1SS)	-8.85	1.61	9.99	2.76	1.89	-
	11 (1SS)	-8.83	1.61	9.99	2.78	1.90	*

*Worst MCS

(* SS: Spatial Stream)

Sample Calculation:

Result = Reading + Cable Loss + Attenuator Loss

*) This measurement was performed only on the on time using the gate function of power meter.

Worst Rate Check

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
December 20, 2024	SR5	22 deg.C	40 %RH	Yohsuke Matsuzawa

11ax-160(OFDM), MIMO
Worst rate check (5250 MHz)

MCS Index	Reading [dBm]	Cable Loss [dB]	ANT1		Result		Reading [dBm]	Cable Loss [dB]	ANT2	Atten. Loss [dB]	Result		Total Result Power		Remark
			Atten. Loss [dB]		[dBm]	[mW]					[dBm]	[mW]	[dBm]	[mW]	
0 (1SS)	-9.72	1.65	9.94		1.87	1.54	-9.60	1.61	9.99		2.00	1.59	4.95	3.12	-
1 (1SS)	-9.62	1.65	9.94		1.97	1.57	-9.63	1.61	9.99		1.97	1.58	4.98	3.15	-
2 (1SS)	-9.74	1.65	9.94		1.85	1.53	-9.70	1.61	9.99		1.90	1.55	4.89	3.08	-
3 (1SS)	-9.73	1.65	9.94		1.86	1.53	-9.66	1.61	9.99		1.94	1.56	4.91	3.10	-
4 (1SS)	-9.34	1.65	9.94		2.25	1.68	-9.31	1.61	9.99		2.29	1.70	5.28	3.37	-
5 (1SS)	-9.24	1.65	9.94		2.35	1.72	-9.14	1.61	9.99		2.46	1.76	5.42	3.48	-
6 (1SS)	-9.28	1.65	9.94		2.31	1.70	-9.25	1.61	9.99		2.35	1.72	5.34	3.42	-
7 (1SS)	-9.06	1.65	9.94		2.53	1.79	-9.16	1.61	9.99		2.44	1.76	5.50	3.55	-
8 (1SS)	-9.29	1.65	9.94		2.30	1.70	-9.04	1.61	9.99		2.56	1.80	5.44	3.50	-
9 (1SS)	-9.23	1.65	9.94		2.36	1.72	-9.19	1.61	9.99		2.41	1.74	5.40	3.46	-
10 (1SS)	-9.37	1.65	9.94		2.22	1.67	-9.26	1.61	9.99		2.34	1.72	5.29	3.38	-
11 (1SS)	-9.14	1.65	9.94		2.45	1.76	-9.04	1.61	9.99		2.56	1.80	5.52	3.56	*
0 (2SS)	-9.74	1.65	9.94		1.85	1.53	-9.60	1.61	9.99		2.00	1.59	4.94	3.12	-
1 (2SS)	-9.87	1.65	9.94		1.72	1.49	-9.61	1.61	9.99		1.99	1.58	4.87	3.07	-
2 (2SS)	-9.79	1.65	9.94		1.80	1.51	-9.75	1.61	9.99		1.85	1.53	4.84	3.05	-
3 (2SS)	-9.74	1.65	9.94		1.85	1.53	-9.68	1.61	9.99		1.92	1.56	4.90	3.09	-
4 (2SS)	-9.43	1.65	9.94		2.16	1.64	-9.30	1.61	9.99		2.30	1.70	5.24	3.34	-
5 (2SS)	-9.36	1.65	9.94		2.23	1.67	-9.26	1.61	9.99		2.34	1.72	5.30	3.39	-
6 (2SS)	-9.46	1.65	9.94		2.13	1.63	-9.30	1.61	9.99		2.30	1.70	5.23	3.33	-
7 (2SS)	-9.29	1.65	9.94		2.30	1.70	-9.09	1.61	9.99		2.51	1.78	5.42	3.48	-
8 (2SS)	-9.47	1.65	9.94		2.12	1.63	-9.25	1.61	9.99		2.35	1.72	5.25	3.35	-
9 (2SS)	-9.44	1.65	9.94		2.15	1.64	-9.19	1.61	9.99		2.41	1.74	5.29	3.38	-
10 (2SS)	-9.33	1.65	9.94		2.26	1.68	-9.21	1.61	9.99		2.39	1.74	5.34	3.42	-
11 (2SS)	-9.28	1.65	9.94		2.31	1.70	-9.09	1.61	9.99		2.51	1.78	5.42	3.49	-

*Worst MCS

Sample Calculation:

Each port Result = Reading + Cable Loss + Attenuator Loss

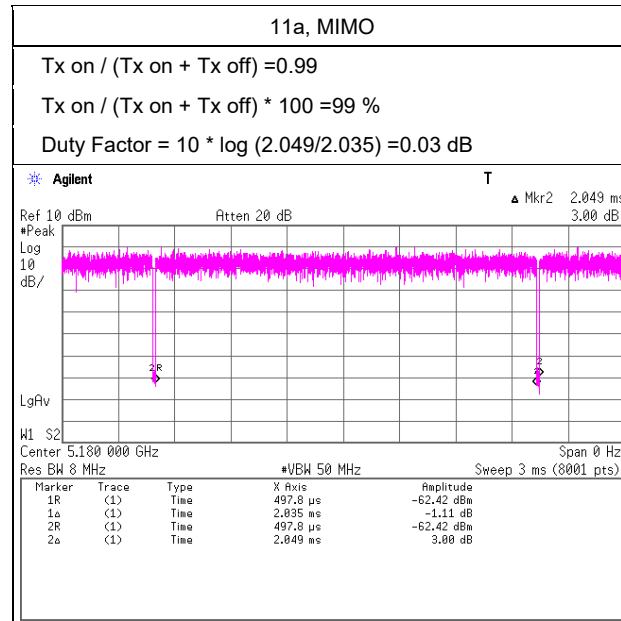
Total Result = ANT1 Result + ANT2 Result

*) This measurement was performed only on the on time using the gate function of power meter.

Burst rate confirmation

Mode	Tx			
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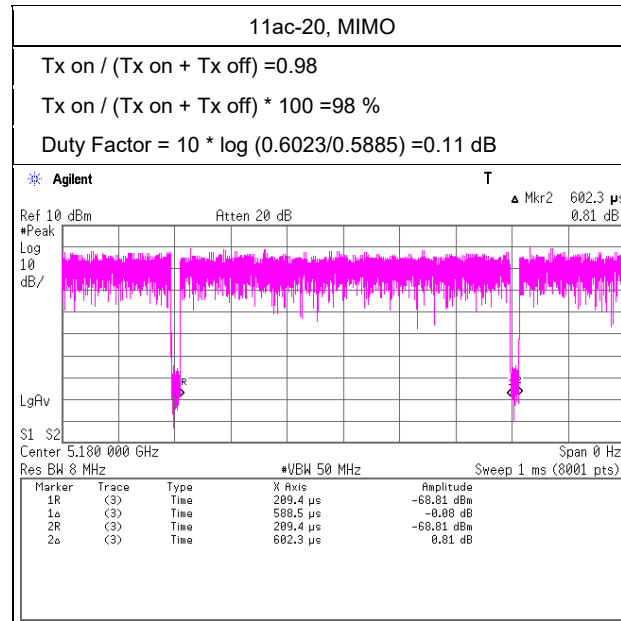
Date	Test Place	Temperature	Humidity	Engineer
January 20, 2025	SR5	22 deg.C	32 %RH	Shiro Kobayashi



Burst rate confirmation

Mode	Tx
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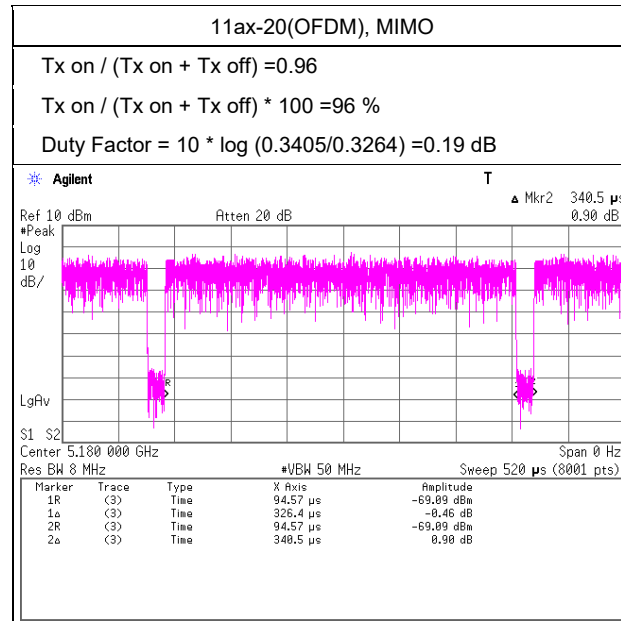
Date	Test Place	Temperature	Humidity	Engineer
January 20, 2025	SR5	22 deg.C	32 %RH	Shiro Kobayashi



Burst rate confirmation

Mode	Tx			
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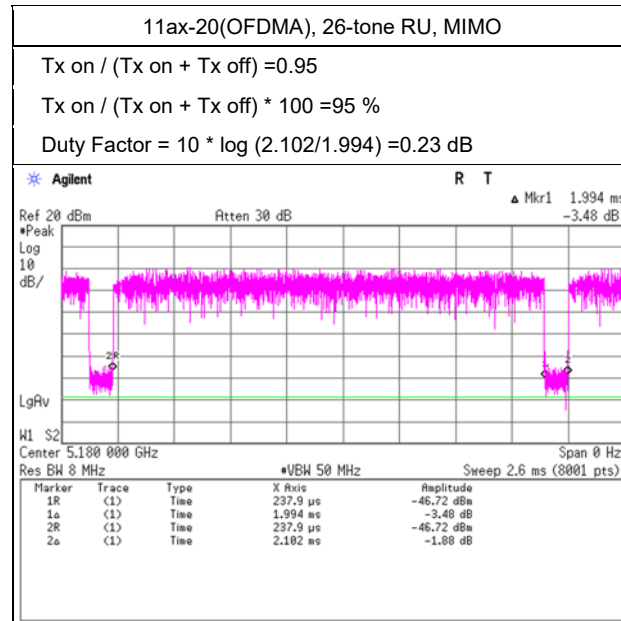
Date	Test Place	Temperature	Humidity	Engineer
January 20, 2025	SR5	22 deg.C	32 %RH	Shiro Kobayashi



Burst rate confirmation

Mode	Tx			
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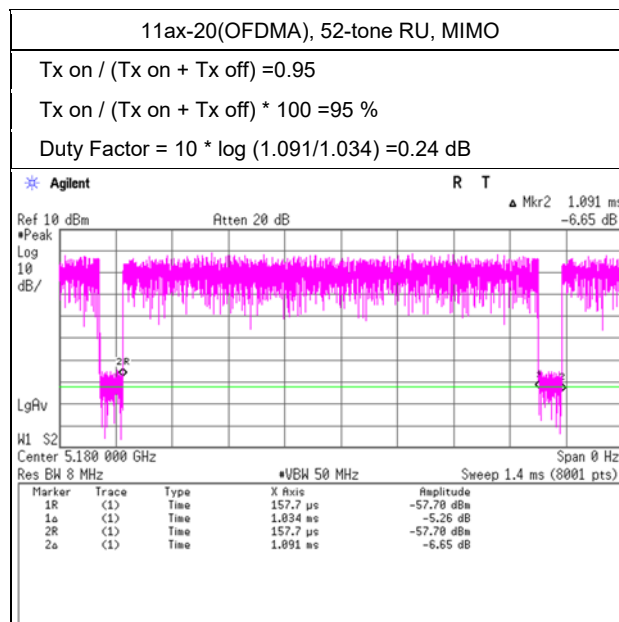
Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx			
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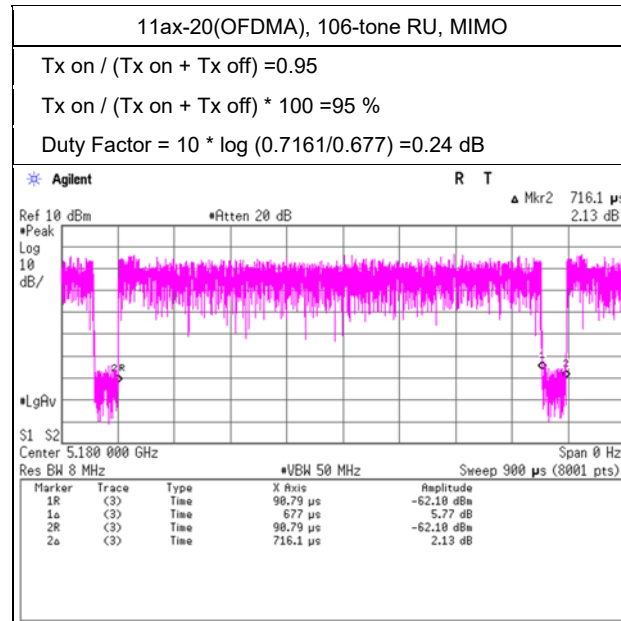
Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx
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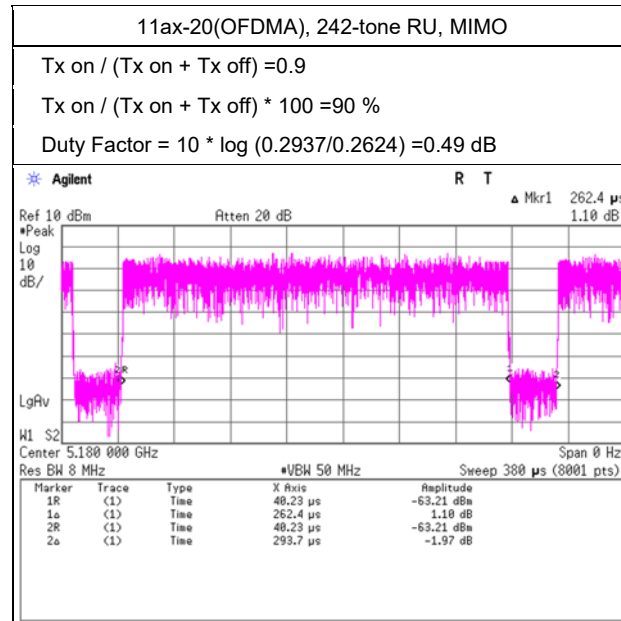
Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx			
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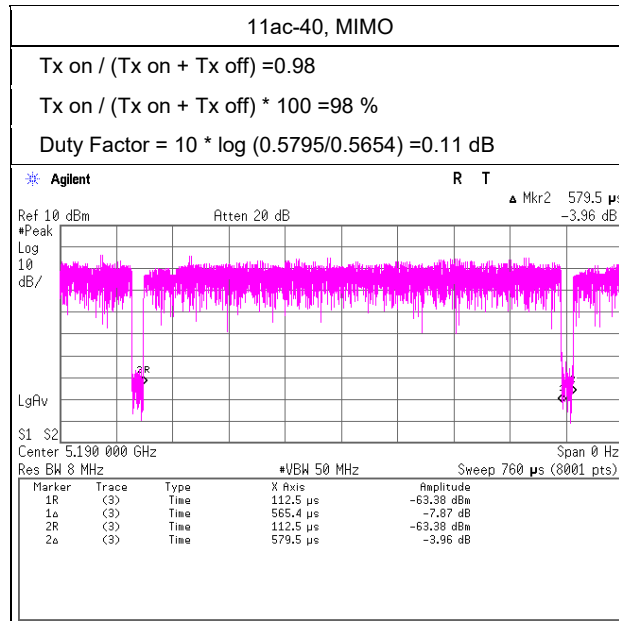
Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx
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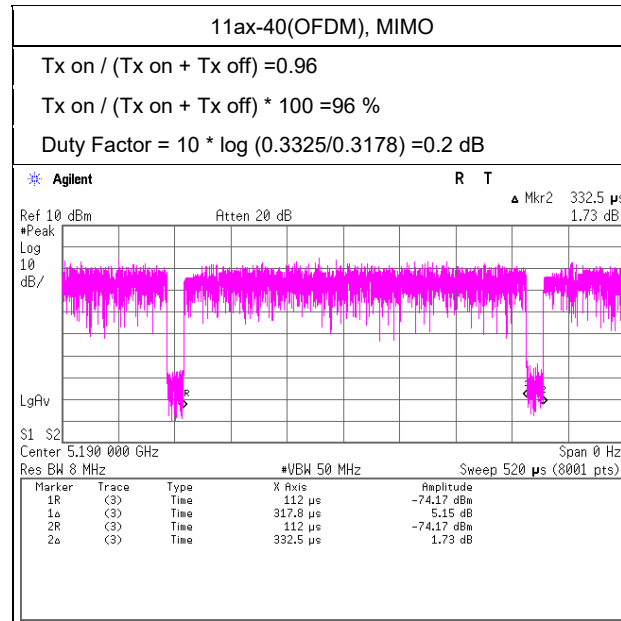
Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami



Burst rate confirmation

Mode	Tx			
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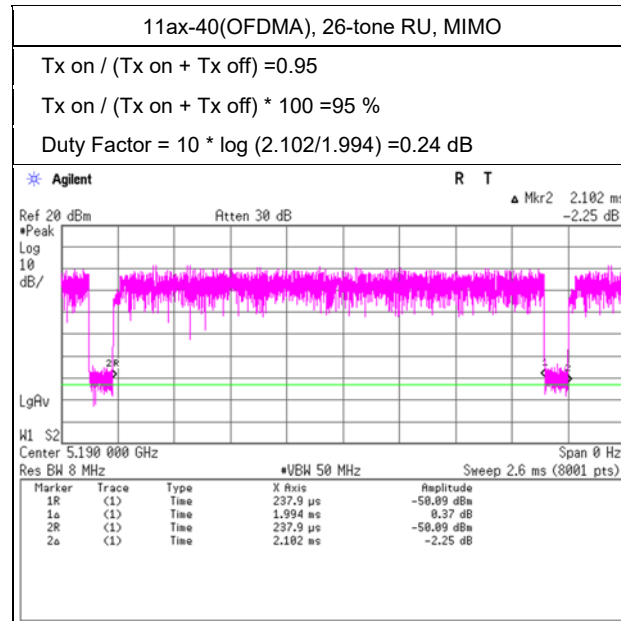
Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami



Burst rate confirmation

Mode	Tx			
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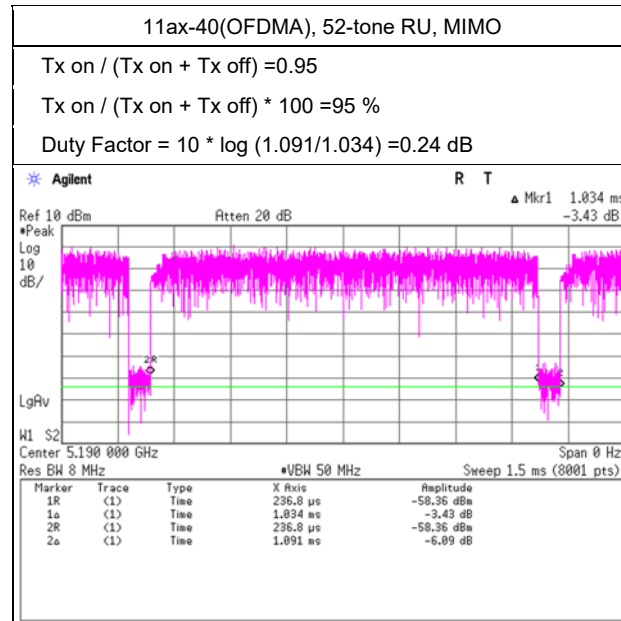
Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx			
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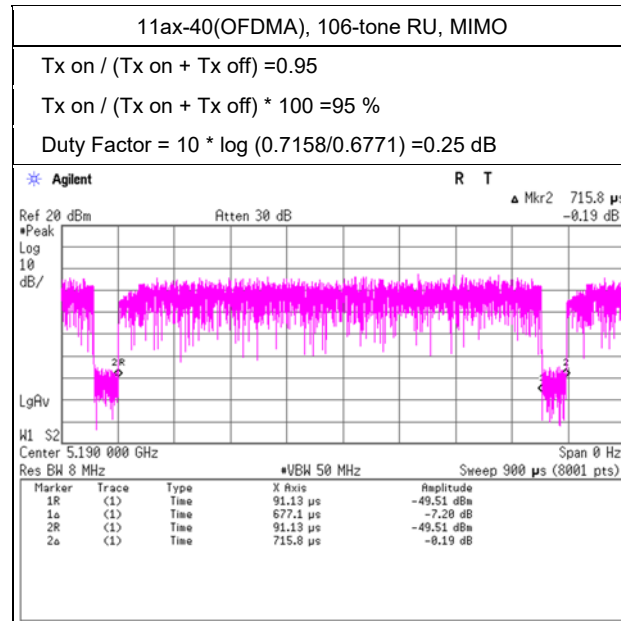
Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx			
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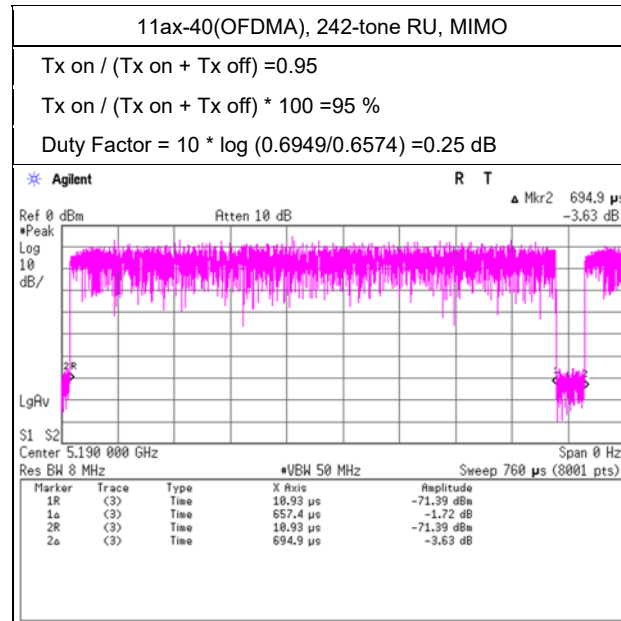
Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato



Burst rate confirmation

Mode	Tx			
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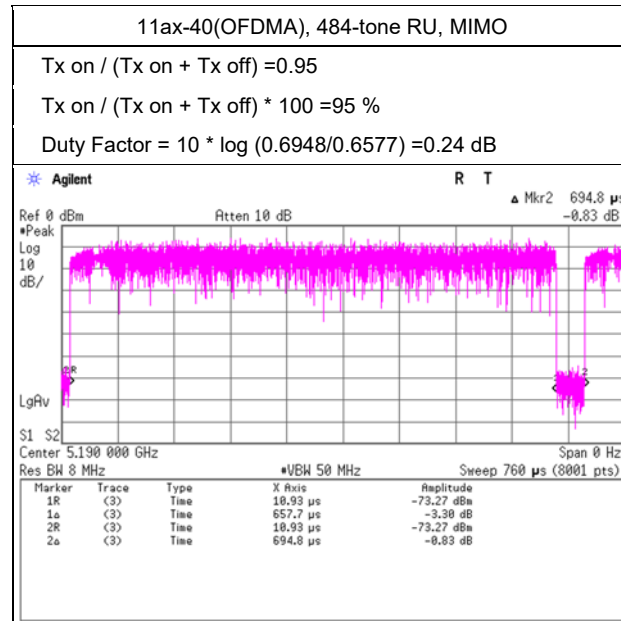
Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	20 deg.C	47 %RH	Makoto Hosaka



Burst rate confirmation

Mode	Tx			
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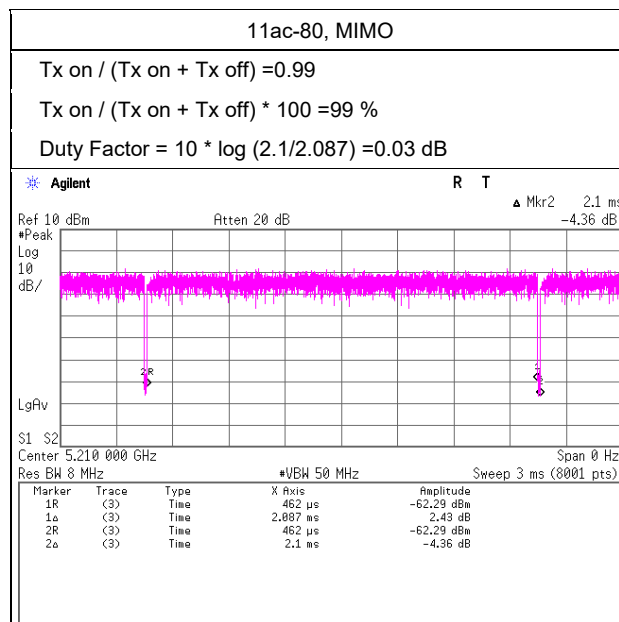
Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	20 deg.C	47 %RH	Makoto Hosaka



Burst rate confirmation

Mode	Tx
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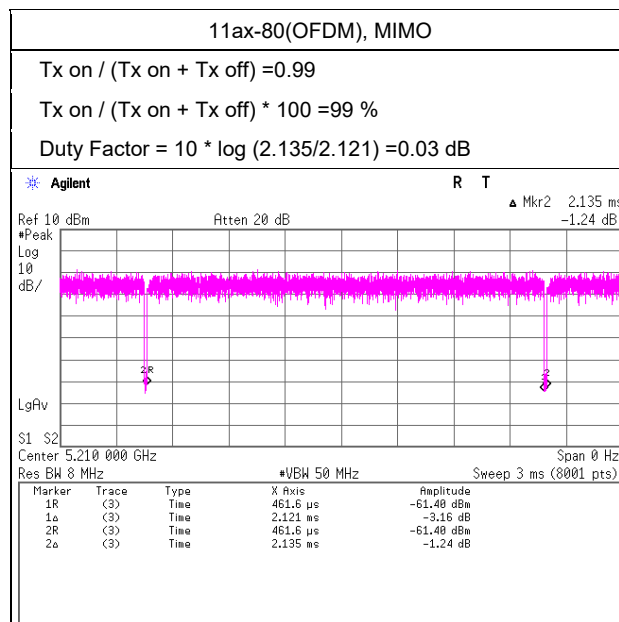
Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami



Burst rate confirmation

Mode	Tx
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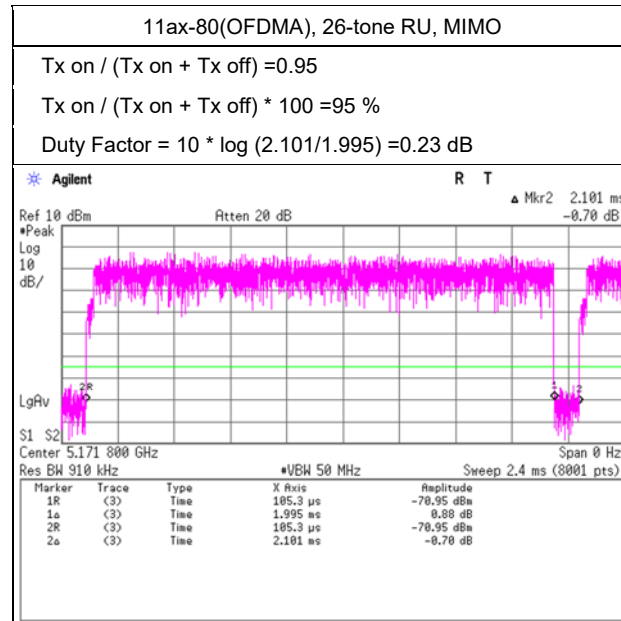
Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami



Burst rate confirmation

Mode	Tx			
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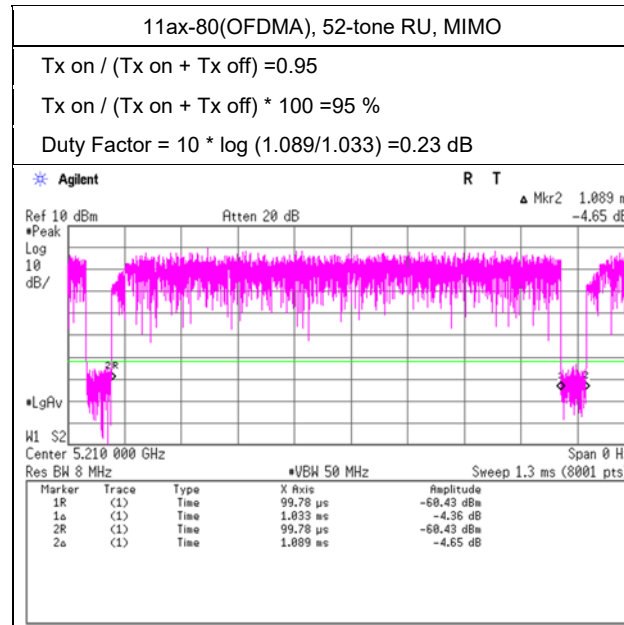
Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka



Burst rate confirmation

Mode	Tx
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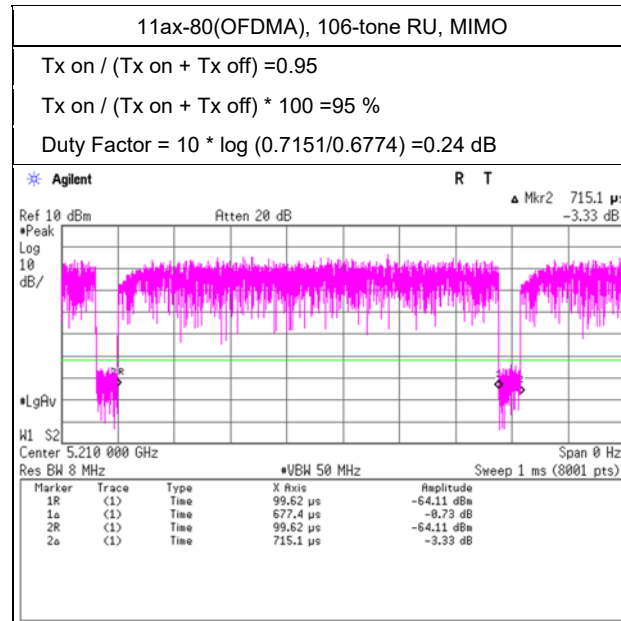
Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka



Burst rate confirmation

Mode	Tx			
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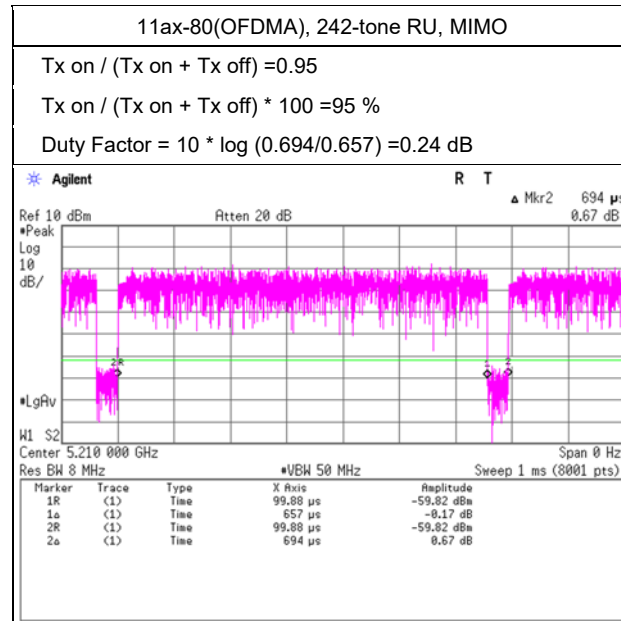
Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka



Burst rate confirmation

Mode	Tx
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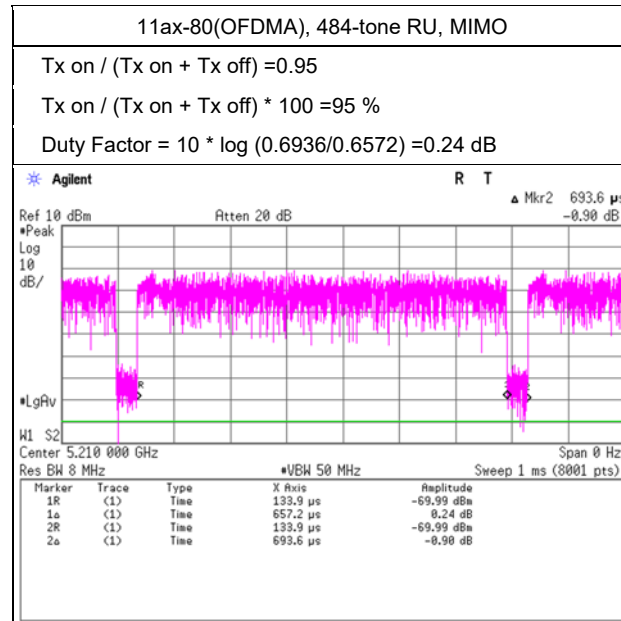
Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka



Burst rate confirmation

Mode	Tx			
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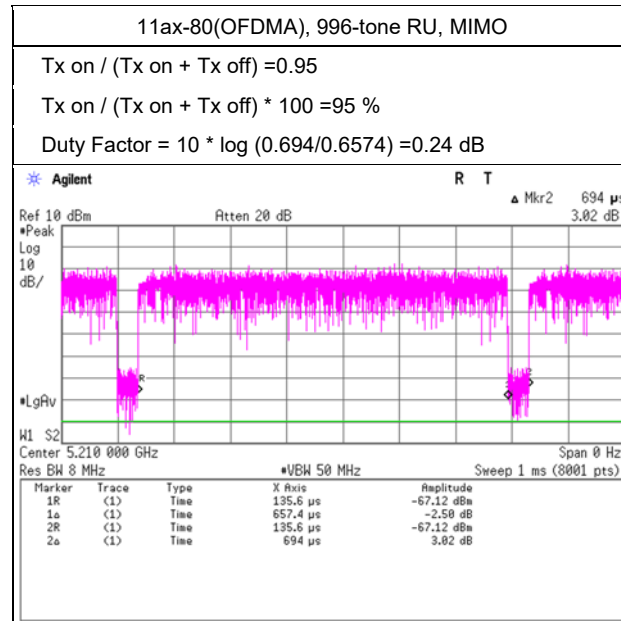
Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka



Burst rate confirmation

Mode	Tx			
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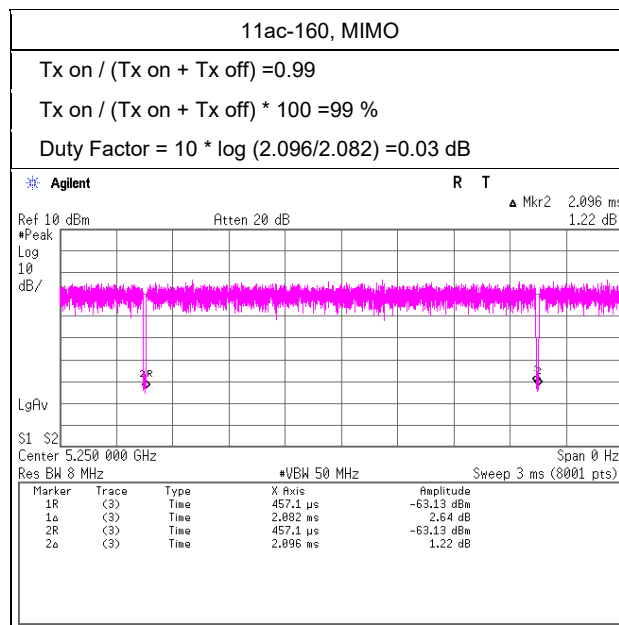
Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka



Burst rate confirmation

Mode	Tx
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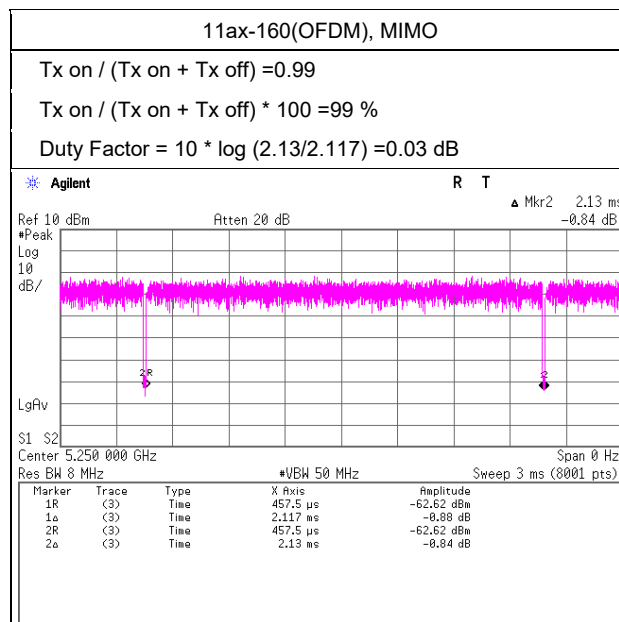
Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami



Burst rate confirmation

Mode	Tx
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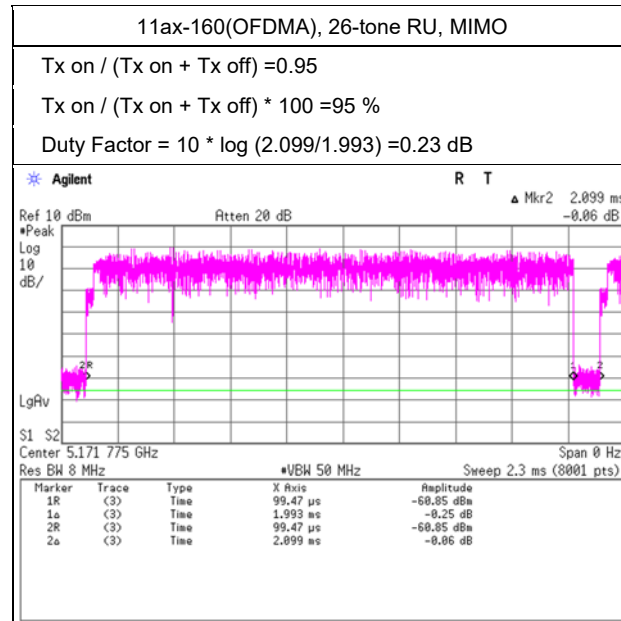
Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami



Burst rate confirmation

Mode	Tx
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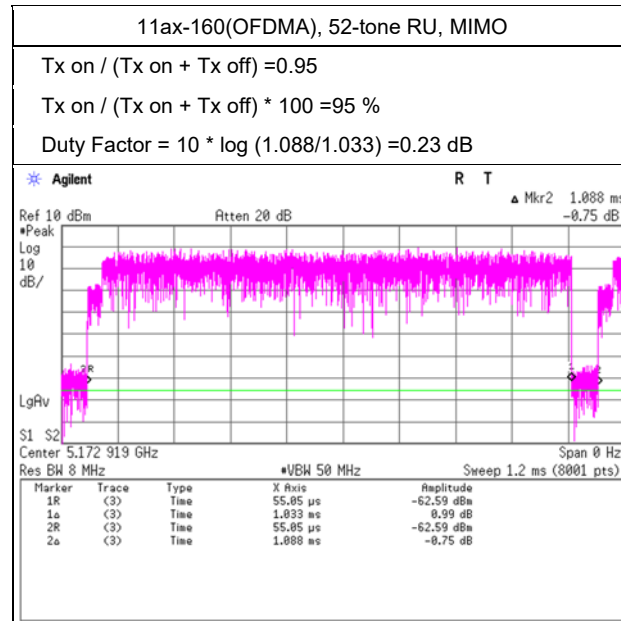
Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami



Burst rate confirmation

Mode	Tx			
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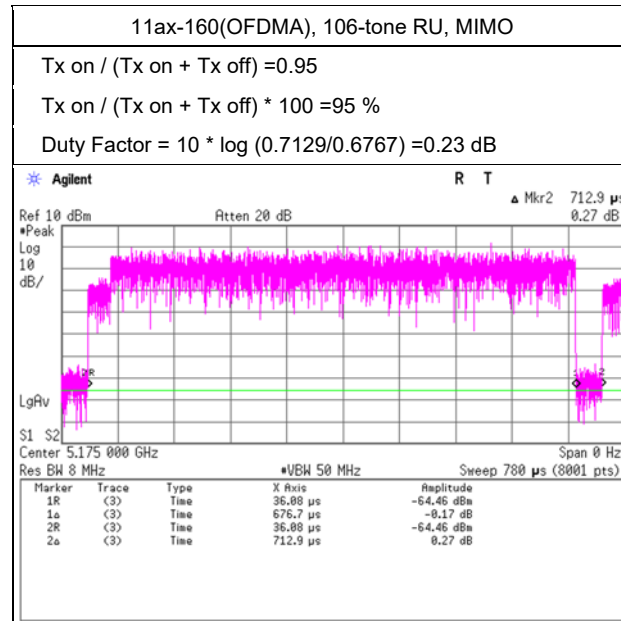
Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami



Burst rate confirmation

Mode	Tx
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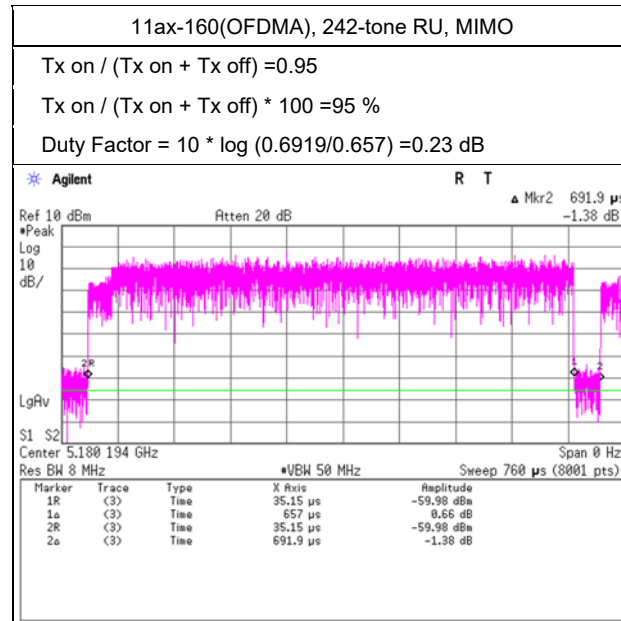
Date	Test Place	Temperature	Humidity	Engineer
January 22, 2025	SR5	23 deg.C	45 %RH	Shiro Kobayashi



Burst rate confirmation

Mode	Tx
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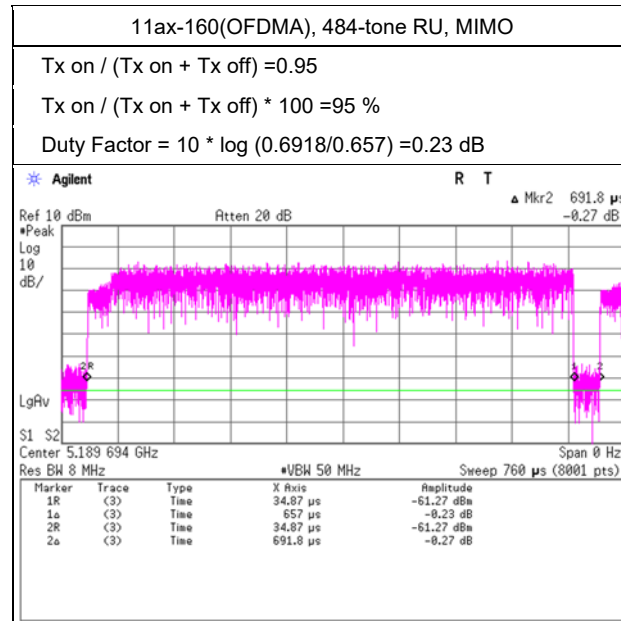
Date	Test Place	Temperature	Humidity	Engineer
January 22, 2025	SR5	23 deg.C	45 %RH	Shiro Kobayashi



Burst rate confirmation

Mode	Tx
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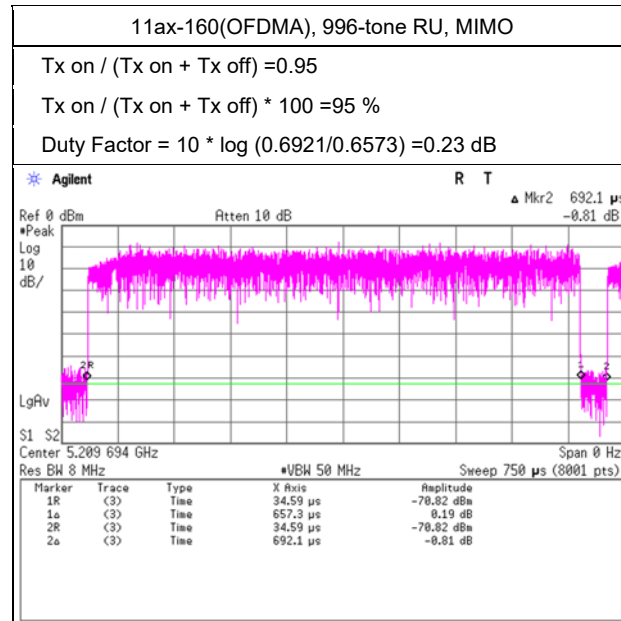
Date	Test Place	Temperature	Humidity	Engineer
January 22, 2025	SR5	23 deg.C	45 %RH	Shiro Kobayashi



Burst rate confirmation

Mode	Tx
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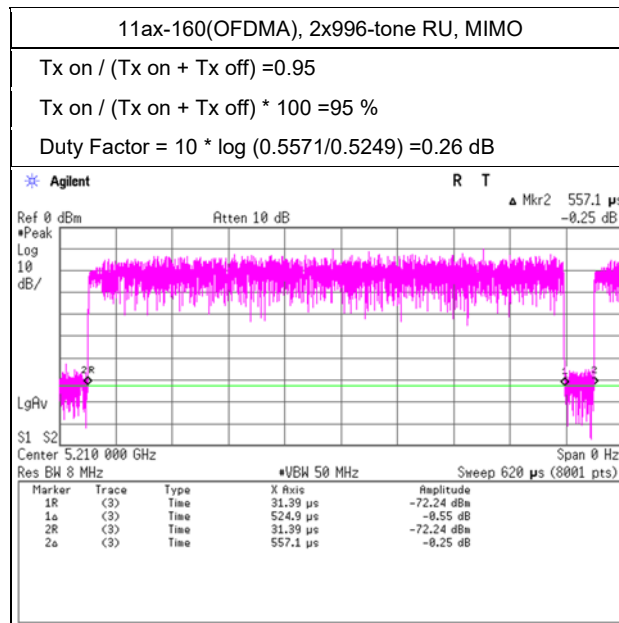
Date	Test Place	Temperature	Humidity	Engineer
January 22, 2025	SR5	23 deg.C	45 %RH	Shiro Kobayashi



Burst rate confirmation

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 22, 2025	SR5	23 deg.C	45 %RH	Shiro Kobayashi



Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 20, 2025	SR5	22 deg.C	32 %RH	Shiro Kobayashi

11a, MIMO ANT1 + ANT2

Tested Freq.	PSD (Conducted)										PSD (e.i.r.p.)									
	Antenna			Result	FCC 15.407			RSS-247		Antenna			Result	FCC 15.407			RSS-247			
	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin	ANT1	ANT2	Sum	Limit		Margin	Limit	Margin				
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]			
5180	0.20	0.19	0.39	-4.06	10.97	15.03	-	-		0.81	0.77	1.58	1.97	17.00	15.03	10.00	8.03			
5220	0.19	0.19	0.39	-4.14	10.97	15.11	-	-		0.77	0.78	1.54	1.89	17.00	15.11	10.00	8.11			
5240	0.20	0.19	0.39	-4.11	10.97	15.08	-	-		0.79	0.77	1.56	1.92	17.00	15.08	10.00	8.08			
5260	0.20	0.19	0.39	-4.07	10.97	15.04	11.00	15.07	0.80	0.77	1.57	1.96	17.00	15.04	-	-	-			
5300	0.20	0.19	0.39	-4.09	10.97	15.06	11.00	15.09	0.79	0.78	1.56	1.94	17.00	15.06	-	-	-			
5320	0.20	0.19	0.38	-4.18	10.97	15.15	11.00	15.18	0.79	0.75	1.53	1.85	17.00	15.15	-	-	-			
5500	0.20	0.18	0.38	-4.23	10.97	15.20	11.00	15.23	0.81	0.71	1.51	1.80	17.00	15.20	-	-	-			
5580	0.20	0.18	0.38	-4.19	10.97	15.16	11.00	15.19	0.80	0.72	1.53	1.84	17.00	15.16	-	-	-			
5700	0.19	0.19	0.38	-4.25	10.97	15.22	11.00	15.25	0.76	0.75	1.51	1.78	17.00	15.22	-	-	-			
5720	0.18	0.18	0.36	-4.42	10.97	15.39	11.00	15.42	0.73	0.72	1.45	1.61	17.00	15.39	-	-	-			
5745	0.10	0.10	0.20	-6.97	29.97	36.94	29.97	36.94	0.41	0.40	0.81	-0.94	36.00	36.94	36.00	36.94	36.00	36.94		
5785	0.10	0.10	0.20	-7.09	29.97	37.06	29.97	37.06	0.40	0.39	0.78	-1.06	36.00	37.06	36.00	37.06	36.00	37.06		
5825	0.10	0.11	0.21	-6.83	29.97	36.80	29.97	36.80	0.41	0.42	0.83	-0.80	36.00	36.80	36.00	36.80	36.00	36.80		

Tested Freq. [MHz]	Duty Factor [dB]	RBW Correction Factor [dB]	ANT1						ANT2					
			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]
5180	0.03	0.00	-18.49	1.55	9.94	6.03	-6.97	-0.94	-18.71	1.52	9.99	6.03	-7.17	-1.14
5220	0.03	0.00	-18.69	1.55	9.94	6.03	-7.17	-1.14	-18.67	1.52	9.99	6.03	-7.13	-1.10
5240	0.03	0.00	-18.70	1.65	9.94	6.03	-7.08	-1.05	-18.78	1.60	9.99	6.03	-7.16	-1.13
5260	0.03	0.00	-18.54	1.59	9.94	6.03	-6.98	-0.95	-18.77	1.56	9.99	6.03	-7.19	-1.16
5300	0.03	0.00	-18.64	1.59	9.94	6.03	-7.08	-1.05	-18.71	1.56	9.99	6.03	-7.13	-1.10
5320	0.03	0.00	-18.75	1.70	9.94	6.03	-7.08	-1.05	-18.98	1.65	9.99	6.03	-7.31	-1.28
5500	0.03	0.00	-18.57	1.64	9.94	6.03	-6.96	-0.93	-19.20	1.63	10.00	6.03	-7.54	-1.51
5580	0.03	0.00	-18.60	1.65	9.94	6.03	-6.98	-0.95	-19.10	1.64	10.00	6.03	-7.43	-1.40
5700	0.03	0.00	-18.80	1.62	9.94	6.03	-7.21	-1.18	-18.94	1.61	10.00	6.03	-7.30	-1.27
5720	0.03	0.00	-19.00	1.62	9.94	6.03	-7.41	-1.38	-19.10	1.62	10.00	6.03	-7.45	-1.42
5745	0.03	0.27	-21.84	1.65	9.94	6.03	-9.94	-3.91	-21.95	1.63	10.00	6.03	-10.02	-3.99
5785	0.03	0.27	-21.96	1.65	9.94	6.03	-10.06	-4.03	-22.07	1.63	10.00	6.03	-10.15	-4.12
5825	0.03	0.27	-21.82	1.65	9.94	6.03	-9.93	-3.90	-21.70	1.65	10.00	6.03	-9.75	-3.72

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^2/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 20, 2025	SR5	22 deg.C	32 %RH	Shiro Kobayashi

11ac-20, MIMO

ANT1 + ANT2

Tested Freq. [MHz]	Antenna			PSD (Conducted)				RSS-247				Antenna			PSD (e.i.r.p.)				RSS-247			
	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	FCC 15.407 Margin [dB]		Limit [dBm/MHz]	Margin [dB]			ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	FCC 15.407 Margin [dB]		Limit [dBm/MHz]	Margin [dB]		
5180	0.19	0.19	0.38	-4.24	10.97	15.21	-	-	-	-	-	0.77	0.74	1.51	1.79	17.00	15.21	10.00	8.21			
5220	0.18	0.18	0.35	-4.50	10.97	15.47	-	-	-	-	-	0.71	0.71	1.42	1.53	17.00	15.47	10.00	8.47			
5240	0.18	0.19	0.37	-4.32	10.97	15.29	-	-	-	-	-	0.73	0.75	1.48	1.71	17.00	15.29	10.00	8.29			
5260	0.19	0.19	0.39	-4.14	10.97	15.11	11.00	15.14	0.78	0.77	1.55	1.89	1.70	1.89	17.00	15.11	-	-	-	-	-	-
5300	0.19	0.18	0.36	-4.38	10.97	15.35	11.00	15.38	0.75	0.72	1.46	1.65	1.70	1.65	17.00	15.35	-	-	-	-	-	-
5320	0.19	0.19	0.37	-4.32	10.97	15.29	11.00	15.32	0.74	0.74	1.48	1.71	1.70	1.71	17.00	15.29	-	-	-	-	-	-
5500	0.19	0.16	0.35	-4.54	10.97	15.51	11.00	15.54	0.77	0.64	1.41	1.49	1.70	1.51	17.00	15.51	-	-	-	-	-	-
5580	0.19	0.16	0.35	-4.52	10.97	15.49	11.00	15.52	0.76	0.66	1.42	1.51	17.00	15.49	-	-	-	-	-	-	-	-
5700	0.18	0.18	0.36	-4.42	10.97	15.39	11.00	15.42	0.73	0.72	1.45	1.61	17.00	15.39	-	-	-	-	-	-	-	-
5720	0.17	0.17	0.34	-4.70	10.97	15.67	11.00	15.70	0.70	0.66	1.36	1.33	17.00	15.67	-	-	-	-	-	-	-	-
5745	0.10	0.10	0.19	-7.17	29.97	37.14	29.97	37.14	0.39	0.38	0.77	-1.14	36.00	37.14	36.00	37.14	36.00	37.14				
5785	0.09	0.09	0.19	-7.27	29.97	37.24	29.97	37.24	0.38	0.37	0.75	-1.24	36.00	37.24	36.00	37.24	36.00	37.24				
5825	0.10	0.10	0.20	-7.02	29.97	36.99	29.97	36.99	0.40	0.40	0.80	-0.99	36.00	36.99	36.00	36.99	36.00	36.99				

Tested Freq. [MHz]	Duty Factor [dB]	RBW Correction Factor [dB]	ANT1							ANT2						
			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]	
5180	0.11	0.00	-18.78	1.55	9.94	6.03	-7.18	-1.15	-18.94	1.52	9.99	6.03	-7.32	-1.29		
5220	0.11	0.00	-19.12	1.55	9.94	6.03	-7.52	-1.49	-19.11	1.52	9.99	6.03	-7.49	-1.46		
5240	0.11	0.00	-19.09	1.65	9.94	6.03	-7.39	-1.36	-18.97	1.60	9.99	6.03	-7.27	-1.24		
5260	0.11	0.00	-18.77	1.59	9.94	6.03	-7.13	-1.10	-18.83	1.56	9.99	6.03	-7.17	-1.14		
5300	0.11	0.00	-18.95	1.59	9.94	6.03	-7.31	-1.28	-19.14	1.56	9.99	6.03	-7.48	-1.45		
5320	0.11	0.00	-19.08	1.70	9.94	6.03	-7.33	-1.30	-19.08	1.65	9.99	6.03	-7.33	-1.30		
5500	0.11	0.00	-18.88	1.64	9.94	6.03	-7.19	-1.16	-19.69	1.63	10.00	6.03	-7.95	-1.92		
5580	0.11	0.00	-18.93	1.65	9.94	6.03	-7.23	-1.20	-19.61	1.64	10.00	6.03	-7.86	-1.83		
5700	0.11	0.00	-19.09	1.62	9.94	6.03	-7.42	-1.39	-19.16	1.61	10.00	6.03	-7.44	-1.41		
5720	0.11	0.00	-19.27	1.62	9.94	6.03	-7.59	-1.56	-19.55	1.62	10.00	6.03	-7.82	-1.79		
5745	0.11	0.27	-22.12	1.65	9.94	6.03	-10.15	-4.12	-22.22	1.63	10.00	6.03	-10.22	-4.19		
5785	0.11	0.27	-22.20	1.65	9.94	6.03	-10.23	-4.20	-22.35	1.63	10.00	6.03	-10.34	-4.31		
5825	0.11	0.27	-22.02	1.65	9.94	6.03	-10.04	-4.01	-22.04	1.65	10.00	6.03	-10.01	-3.98		

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 20, 2025	SR5	22 deg.C	32 %RH	Shiro Kobayashi

11ax-20(OFDM), MIMO

ANT1 + ANT2

Tested Freq. [MHz]	Antenna			PSD (Conducted)				RSS-247				Antenna			PSD (e.i.r.p.)				RSS-247			
	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]		Limit [dBm/MHz]	Margin [dB]			ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]		Limit [dBm/MHz]	Margin [dB]		
5180	0.14	0.14	0.27	-5.63	10.97	16.60		-	-			0.55	0.55	1.10	0.40	17.00	16.60		10.00	9.60		
5220	0.13	0.14	0.27	-5.64	10.97	16.61		-	-			0.52	0.57	1.09	0.39	17.00	16.61		10.00	9.61		
5240	0.14	0.14	0.28	-5.53	10.97	16.50		-	-			0.56	0.56	1.12	0.50	17.00	16.50		10.00	9.50		
5260	0.14	0.14	0.28	-5.59	10.97	16.56		11.00	16.59			0.54	0.56	1.11	0.44	17.00	16.56		-	-		
5300	0.14	0.14	0.29	-5.44	10.97	16.41		11.00	16.44			0.57	0.57	1.15	0.59	17.00	16.41		-	-		
5320	0.14	0.15	0.28	-5.50	10.97	16.47		11.00	16.50			0.54	0.59	1.13	0.53	17.00	16.47		-	-		
5500	0.14	0.14	0.28	-5.47	10.97	16.44		11.00	16.47			0.57	0.57	1.14	0.56	17.00	16.44		-	-		
5580	0.14	0.15	0.29	-5.36	10.97	16.33		11.00	16.36			0.57	0.59	1.17	0.67	17.00	16.33		-	-		
5700	0.13	0.15	0.28	-5.46	10.97	16.43		11.00	16.46			0.53	0.61	1.14	0.57	17.00	16.43		-	-		
5720	0.13	0.16	0.29	-5.33	10.97	16.30		11.00	16.33			0.54	0.64	1.18	0.70	17.00	16.30		-	-		
5745	0.08	0.09	0.17	-7.76	29.97	37.73		29.97	37.73			0.32	0.35	0.67	-1.73	36.00	37.73		36.00	37.73		
5785	0.07	0.08	0.15	-8.10	29.97	38.07		29.97	38.07			0.29	0.33	0.62	-2.07	36.00	38.07		36.00	38.07		
5825	0.08	0.09	0.17	-7.79	29.97	37.76		29.97	37.76			0.31	0.36	0.67	-1.76	36.00	37.76		36.00	37.76		

Tested Freq. [MHz]	Duty Factor [dB]	RBW Correction Factor [dB]	ANT1						ANT2					
			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]
5180	0.19	0.00	-20.30	1.55	9.94	6.03	-8.62	-2.59	-20.36	1.52	9.99	6.03	-8.66	-2.63
5220	0.19	0.00	-20.51	1.55	9.94	6.03	-8.83	-2.80	-20.18	1.52	9.99	6.03	-8.48	-2.45
5240	0.19	0.00	-20.35	1.65	9.94	6.03	-8.57	-2.54	-20.30	1.60	9.99	6.03	-8.52	-2.49
5260	0.19	0.00	-20.39	1.59	9.94	6.03	-8.67	-2.64	-20.28	1.56	9.99	6.03	-8.54	-2.51
5300	0.19	0.00	-20.17	1.59	9.94	6.03	-8.45	-2.42	-20.19	1.56	9.99	6.03	-8.45	-2.42
5320	0.19	0.00	-20.51	1.70	9.94	6.03	-8.68	-2.65	-20.18	1.65	9.99	6.03	-8.35	-2.32
5500	0.19	0.00	-20.23	1.64	9.94	6.03	-8.46	-2.43	-20.32	1.63	10.00	6.03	-8.50	-2.47
5580	0.19	0.00	-20.23	1.65	9.94	6.03	-8.45	-2.42	-20.12	1.64	10.00	6.03	-8.29	-2.26
5700	0.19	0.00	-20.51	1.62	9.94	6.03	-8.76	-2.73	-20.00	1.61	10.00	6.03	-8.20	-2.17
5720	0.19	0.00	-20.50	1.62	9.94	6.03	-8.74	-2.71	-19.77	1.62	10.00	6.03	-7.96	-1.93
5745	0.19	0.27	-23.01	1.65	9.94	6.03	-10.96	-4.93	-22.69	1.63	10.00	6.03	-10.60	-4.57
5785	0.19	0.27	-23.51	1.65	9.94	6.03	-11.46	-5.43	-22.88	1.63	10.00	6.03	-10.79	-4.76
5825	0.19	0.27	-23.21	1.65	9.94	6.03	-11.16	-5.13	-22.58	1.65	10.00	6.03	-10.47	-4.44

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato

11ax-20(OFDMA), 26-tone RU, MIMO

ANT1 + ANT2

Tested Freq.	RU Index	PSD (Conducted)										PSD (e.i.r.p.)													
		Antenna			Result			FCC 15.407			RSS-247			Antenna			Result			FCC 15.407			RSS-247		
		ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]
5180	0	1.01	1.01	2.02	3.06	10.97	7.91	-	-	4.06	4.04	8.10	9.09	17.00	7.91	10.00	0.91								
5220	4	0.74	0.74	1.48	1.69	10.97	9.28	-	-	2.97	2.96	5.92	7.72	17.00	9.28	10.00	2.28								
5240	8	1.21	1.08	2.29	3.61	10.97	7.36	-	-	4.86	4.34	9.20	9.64	17.00	7.36	10.00	0.36								
5260	0	1.05	1.02	2.06	3.15	10.97	7.82	11.00	7.85	4.20	4.07	8.27	9.18	17.00	7.82	-	-								
5300	4	0.76	0.78	1.54	1.87	10.97	9.10	11.00	9.13	3.05	3.11	6.16	7.90	17.00	9.10	-	-								
5320	8	1.07	1.07	2.14	3.30	10.97	7.67	11.00	7.70	4.27	4.29	8.57	9.33	17.00	7.67	-	-								
5500	0	1.09	1.07	2.16	3.35	10.97	7.62	11.00	7.65	4.39	4.28	8.67	9.38	17.00	7.62	-	-								
5580	4	0.74	0.77	1.50	1.76	10.97	9.21	11.00	9.24	2.95	3.07	6.02	7.79	17.00	9.21	-	-								
5700	8	1.02	1.12	2.14	3.31	10.97	7.66	11.00	7.69	4.10	4.49	8.59	9.34	17.00	7.66	-	-								
5720	8	1.07	1.07	2.14	3.31	10.97	7.66	11.00	7.69	4.30	4.29	8.60	9.34	17.00	7.66	-	-								
5745	0	0.61	0.61	1.22	0.86	29.97	29.11	29.97	29.11	2.44	2.45	4.89	6.89	36.00	29.11	36.00	29.11								
5785	4	0.49	0.54	1.03	0.12	29.97	29.85	29.97	29.85	1.94	2.18	4.12	6.15	36.00	29.85	36.00	29.85								
5825	8	0.59	0.68	1.27	1.03	29.97	28.94	29.97	28.94	2.37	2.71	5.08	7.06	36.00	28.94	36.00	28.94								

				ANT1						ANT2					
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0	0.23	0.00	-11.66	1.55	9.94	6.03	0.06	6.09	-11.71	1.52	9.99	6.03	0.03	6.06
5220	4	0.23	0.00	-13.03	1.55	9.94	6.03	-1.31	4.72	-13.06	1.52	9.99	6.03	-1.32	4.71
5240	8	0.23	0.00	-10.99	1.65	9.94	6.03	0.83	6.86	-11.48	1.60	9.99	6.03	0.35	6.37
5260	0	0.23	0.00	-11.55	1.59	9.94	6.03	0.21	6.24	-11.72	1.56	9.99	6.03	0.07	6.09
5300	4	0.23	0.00	-12.95	1.59	9.94	6.03	-1.19	4.84	-12.88	1.56	9.99	6.03	-1.10	4.93
5320	8	0.23	0.00	-11.59	1.70	9.94	6.03	0.28	6.31	-11.57	1.65	9.99	6.03	0.30	6.33
5500	0	0.23	0.00	-11.42	1.64	9.94	6.03	0.39	6.42	-11.58	1.63	10.00	6.03	0.29	6.31
5580	4	0.23	0.00	-13.16	1.65	9.94	6.03	-1.34	4.69	-13.03	1.64	10.00	6.03	-1.16	4.87
5700	8	0.23	0.00	-11.70	1.62	9.94	6.03	0.09	6.12	-11.35	1.61	10.00	6.03	0.49	6.52
5720	8	0.23	0.00	-11.49	1.62	9.94	6.03	0.31	6.34	-11.55	1.62	10.00	6.03	0.30	6.33
5745	0	0.23	0.27	-14.24	1.65	9.94	6.03	-2.15	3.88	-14.27	1.63	10.00	6.03	-2.14	3.89
5785	4	0.23	0.27	-15.23	1.65	9.94	6.03	-3.14	2.89	-14.78	1.63	10.00	6.03	-2.65	3.38
5825	8	0.23	0.27	-14.37	1.65	9.94	6.03	-2.28	3.75	-13.84	1.65	10.00	6.03	-1.70	4.33

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato

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

ANT1 + ANT2

Tested Freq.	RU Index	Antenna			PSD (Conducted)						PSD (e.i.r.p.)						
		ANT1	ANT2	Sum	Result	FCC 15.407		RSS-247		ANT1	ANT2	Sum	Result	FCC 15.407		RSS-247	
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	Margin [dB]
5180	37	0.57	0.54	1.11	0.47	10.97	10.50	-	-	2.29	2.17	4.47	6.50	17.00	10.50	10.00	3.50
5220	38	0.50	0.57	1.07	0.30	10.97	10.67	-	-	2.02	2.27	4.29	6.33	17.00	10.67	10.00	3.67
5240	40	0.64	0.55	1.18	0.74	10.97	10.23	-	-	2.55	2.20	4.75	6.77	17.00	10.23	10.00	3.23
5260	37	0.60	0.56	1.16	0.65	10.97	10.32	11.00	10.35	2.39	2.26	4.65	6.68	17.00	10.32	-	-
5300	38	0.52	0.56	1.08	0.34	10.97	10.63	11.00	10.66	2.07	2.26	4.34	6.37	17.00	10.63	-	-
5320	40	0.57	0.60	1.18	0.70	10.97	10.27	11.00	10.30	2.30	2.42	4.71	6.73	17.00	10.27	-	-
5500	37	0.64	0.55	1.19	0.75	10.97	10.22	11.00	10.25	2.57	2.20	4.77	6.78	17.00	10.22	-	-
5580	38	0.55	0.55	1.10	0.40	10.97	10.57	11.00	10.60	2.20	2.20	4.39	6.43	17.00	10.57	-	-
5700	40	0.55	0.65	1.20	0.79	10.97	10.18	11.00	10.21	2.21	2.60	4.81	6.82	17.00	10.18	-	-
5720	40	0.58	0.65	1.23	0.90	10.97	10.07	11.00	10.10	2.34	2.59	4.93	6.93	17.00	10.07	-	-
5745	37	0.29	0.29	0.58	-2.39	29.97	32.36	29.97	32.36	1.16	1.16	2.31	3.64	36.00	32.36	36.00	32.36
5785	38	0.25	0.27	0.52	-2.81	29.97	32.78	29.97	32.78	1.02	1.09	2.10	3.22	36.00	32.78	36.00	32.78
5825	40	0.27	0.31	0.59	-2.32	29.97	32.29	29.97	32.29	1.09	1.25	2.35	3.71	36.00	32.29	36.00	32.29

				ANT1				ANT2							
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	37	0.24	0.00	-14.16	1.55	9.94	6.03	-2.43	3.60	-14.41	1.52	9.99	6.03	-2.66	3.37
5220	38	0.24	0.00	-14.70	1.55	9.94	6.03	-2.98	3.05	-14.21	1.52	9.99	6.03	-2.46	3.57
5240	40	0.24	0.00	-13.80	1.65	9.94	6.03	-1.97	4.06	-14.43	1.60	9.99	6.03	-2.60	3.43
5260	37	0.24	0.00	-14.02	1.59	9.94	6.03	-2.25	3.78	-14.27	1.56	9.99	6.03	-2.48	3.55
5300	38	0.24	0.00	-14.64	1.59	9.94	6.03	-2.87	3.16	-14.27	1.56	9.99	6.03	-2.48	3.55
5320	40	0.24	0.00	-14.30	1.70	9.94	6.03	-2.42	3.61	-14.07	1.65	9.99	6.03	-2.19	3.84
5500	37	0.24	0.00	-13.75	1.64	9.94	6.03	-1.93	4.10	-14.48	1.63	10.00	6.03	-2.61	3.42
5580	38	0.24	0.00	-14.45	1.65	9.94	6.03	-2.61	3.42	-14.49	1.64	10.00	6.03	-2.61	3.42
5700	40	0.24	0.00	-14.38	1.62	9.94	6.03	-2.58	3.45	-13.74	1.61	10.00	6.03	-1.89	4.14
5720	40	0.24	0.00	-14.15	1.62	9.94	6.03	-2.34	3.69	-13.75	1.62	10.00	6.03	-1.89	4.14
5745	37	0.24	0.27	-17.50	1.65	9.94	6.03	-5.39	0.64	-17.54	1.63	10.00	6.03	-5.40	0.63
5785	38	0.24	0.27	-18.07	1.65	9.94	6.03	-5.96	0.07	-17.81	1.63	10.00	6.03	-5.67	0.36
5825	40	0.24	0.27	-17.74	1.65	9.94	6.03	-5.64	0.39	-17.21	1.65	10.00	6.03	-5.05	0.98

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log ((10^{(ANT1 \text{ gain}/20)} + 10^{(ANT2 \text{ gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato

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

ANT1 + ANT2

Tested Freq.	RU Index	PSD (Conducted)										PSD (e.i.r.p.)									
		Antenna			Result	FCC 15.407			RSS-247		Antenna			Result	FCC 15.407			RSS-247			
		ANT1	ANT2	Sum		Limit	Margin	Limit	Margin	ANT1	ANT2	Sum	Limit		Margin	Limit	Margin				
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]	[dBm/MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]			
5180	53	0.29	0.27	0.56	-2.49	10.97	13.46	-	-	1.16	1.10	2.26	3.54	17.00	13.46	10.00	6.46				
5220	53	0.26	0.29	0.55	-2.56	10.97	13.53	-	-	1.05	1.17	2.22	3.47	17.00	13.53	10.00	6.53				
5240	54	0.33	0.30	0.63	-2.03	10.97	13.00	-	-	1.31	1.21	2.51	4.00	17.00	13.00	10.00	6.00				
5260	53	0.28	0.28	0.56	-2.49	10.97	13.46	11.00	13.49	1.13	1.13	2.26	3.54	17.00	13.46	-	-				
5300	53	0.29	0.30	0.59	-2.26	10.97	13.23	11.00	13.26	1.17	1.21	2.38	3.77	17.00	13.23	-	-				
5320	54	0.31	0.31	0.62	-2.09	10.97	13.06	11.00	13.09	1.24	1.24	2.48	3.94	17.00	13.06	-	-				
5500	53	0.30	0.28	0.58	-2.38	10.97	13.35	11.00	13.38	1.21	1.11	2.32	3.65	17.00	13.35	-	-				
5580	53	0.30	0.29	0.59	-2.28	10.97	13.25	11.00	13.28	1.22	1.15	2.37	3.75	17.00	13.25	-	-				
5700	54	0.28	0.31	0.60	-2.24	10.97	13.21	11.00	13.24	1.14	1.25	2.39	3.79	17.00	13.21	-	-				
5720	54	0.29	0.30	0.59	-2.29	10.97	13.26	11.00	13.29	1.17	1.19	2.37	3.74	17.00	13.26	-	-				
5745	53	0.15	0.15	0.30	-5.23	29.97	35.20	29.97	35.20	0.58	0.62	1.20	0.80	36.00	35.20	36.00	35.20				
5785	53	0.14	0.15	0.29	-5.41	29.97	35.38	29.97	35.38	0.57	0.59	1.15	0.62	36.00	35.38	36.00	35.38				
5825	54	0.14	0.15	0.29	-5.43	29.97	35.40	29.97	35.40	0.55	0.60	1.15	0.60	36.00	35.40	36.00	35.40				

				ANT1				ANT2							
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	53	0.24	0.00	-17.13	1.55	9.94	6.03	-5.40	0.63	-17.36	1.52	9.99	6.03	-5.61	0.42
5220	53	0.24	0.00	-17.53	1.55	9.94	6.03	-5.80	0.23	-17.11	1.52	9.99	6.03	-5.36	0.67
5240	54	0.24	0.00	-16.70	1.65	9.94	6.03	-4.87	1.16	-17.04	1.60	9.99	6.03	-5.21	0.82
5260	53	0.24	0.00	-17.26	1.59	9.94	6.03	-5.49	0.54	-17.29	1.56	9.99	6.03	-5.50	0.53
5300	53	0.24	0.00	-17.13	1.59	9.94	6.03	-5.36	0.67	-16.98	1.56	9.99	6.03	-5.19	0.84
5320	54	0.24	0.00	-16.99	1.70	9.94	6.03	-5.11	0.92	-16.97	1.65	9.99	6.03	-5.09	0.94
5500	53	0.24	0.00	-17.02	1.64	9.94	6.03	-5.20	0.83	-17.47	1.63	10.00	6.03	-5.60	0.43
5580	53	0.24	0.00	-16.99	1.65	9.94	6.03	-5.16	0.87	-17.31	1.64	10.00	6.03	-5.43	0.60
5700	54	0.24	0.00	-17.26	1.62	9.94	6.03	-5.46	0.57	-16.90	1.61	10.00	6.03	-5.05	0.98
5720	54	0.24	0.00	-17.14	1.62	9.94	6.03	-5.34	0.69	-17.12	1.62	10.00	6.03	-5.26	0.77
5745	53	0.24	0.27	-20.47	1.65	9.94	6.03	-8.37	-2.34	-20.26	1.63	10.00	6.03	-8.12	-2.09
5785	53	0.24	0.27	-20.60	1.65	9.94	6.03	-8.50	-2.47	-20.48	1.63	10.00	6.03	-8.34	-2.31
5825	54	0.24	0.27	-20.76	1.65	9.94	6.03	-8.66	-2.63	-20.39	1.65	10.00	6.03	-8.23	-2.20

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiromasa Sato

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

ANT1 + ANT2

Tested Freq.	RU Index	PSD (Conducted)										PSD (e.i.r.p.)									
		Antenna			Result	FCC 15.407			RSS-247		Antenna			Result	FCC 15.407			RSS-247			
		ANT1	ANT2	Sum		Limit	Margin	Limit	Margin	ANT1	ANT2	Sum	Limit		Margin	Limit	Margin				
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]	[dBm/MHz]	[dBm/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]			
5180	61	0.14	0.13	0.27	-5.70	10.97	16.67	-	-	0.57	0.51	1.08	0.33	17.00	16.67	10.00	9.67				
5220	61	0.14	0.13	0.27	-5.71	10.97	16.68	-	-	0.55	0.52	1.08	0.32	17.00	16.68	10.00	9.68				
5240	61	0.15	0.14	0.29	-5.40	10.97	16.37	-	-	0.61	0.55	1.16	0.63	17.00	16.37	10.00	9.37				
5260	61	0.14	0.12	0.26	-5.84	10.97	16.81	11.00	16.84	0.55	0.50	1.05	0.19	17.00	16.81	-	-				
5300	61	0.13	0.13	0.26	-5.77	10.97	16.74	11.00	16.77	0.53	0.54	1.06	0.26	17.00	16.74	-	-				
5320	61	0.14	0.13	0.27	-5.71	10.97	16.68	11.00	16.71	0.55	0.53	1.08	0.32	17.00	16.68	-	-				
5500	61	0.15	0.14	0.29	-5.45	10.97	16.42	11.00	16.45	0.60	0.54	1.14	0.58	17.00	16.42	-	-				
5580	61	0.14	0.13	0.27	-5.77	10.97	16.74	11.00	16.77	0.55	0.52	1.06	0.26	17.00	16.74	-	-				
5700	61	0.14	0.14	0.29	-5.44	10.97	16.41	11.00	16.44	0.56	0.58	1.14	0.59	17.00	16.41	-	-				
5720	61	0.14	0.14	0.28	-5.54	10.97	16.51	11.00	16.54	0.54	0.58	1.12	0.49	17.00	16.51	-	-				
5745	61	0.07	0.07	0.14	-8.60	29.97	38.57	29.97	38.57	0.27	0.28	0.55	-2.57	36.00	38.57	36.00	38.57				
5785	61	0.06	0.08	0.14	-8.54	29.97	38.51	29.97	38.51	0.26	0.30	0.56	-2.51	36.00	38.51	36.00	38.51				
5825	61	0.07	0.07	0.14	-8.53	29.97	38.50	29.97	38.50	0.28	0.28	0.56	-2.50	36.00	38.50	36.00	38.50				

				ANT1				ANT2							
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	61	0.49	0.00	-20.49	1.55	9.94	6.03	-8.51	-2.48	-20.92	1.52	9.99	6.03	-8.92	-2.89
5220	61	0.49	0.00	-20.59	1.55	9.94	6.03	-8.61	-2.58	-20.84	1.52	9.99	6.03	-8.84	-2.81
5240	61	0.49	0.00	-20.26	1.65	9.94	6.03	-8.18	-2.15	-20.72	1.60	9.99	6.03	-8.64	-2.61
5260	61	0.49	0.00	-20.65	1.59	9.94	6.03	-8.63	-2.60	-21.12	1.56	9.99	6.03	-9.08	-3.05
5300	61	0.49	0.00	-20.84	1.59	9.94	6.03	-8.82	-2.79	-20.78	1.56	9.99	6.03	-8.74	-2.71
5320	61	0.49	0.00	-20.76	1.70	9.94	6.03	-8.63	-2.60	-20.95	1.65	9.99	6.03	-8.82	-2.79
5500	61	0.49	0.00	-20.32	1.64	9.94	6.03	-8.25	-2.22	-20.80	1.63	10.00	6.03	-8.68	-2.65
5580	61	0.49	0.00	-20.74	1.65	9.94	6.03	-8.66	-2.63	-21.03	1.64	10.00	6.03	-8.90	-2.87
5700	61	0.49	0.00	-20.57	1.62	9.94	6.03	-8.52	-2.49	-20.49	1.61	10.00	6.03	-8.39	-2.36
5720	61	0.49	0.00	-20.74	1.62	9.94	6.03	-8.69	-2.66	-20.53	1.62	10.00	6.03	-8.42	-2.39
5745	61	0.49	0.27	-23.99	1.65	9.94	6.03	-11.64	-5.61	-23.98	1.63	10.00	6.03	-11.59	-5.56
5785	61	0.49	0.27	-24.26	1.65	9.94	6.03	-11.90	-5.87	-23.62	1.63	10.00	6.03	-11.23	-5.20
5825	61	0.49	0.27	-23.91	1.65	9.94	6.03	-11.56	-5.53	-23.92	1.65	10.00	6.03	-11.52	-5.49

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami

11ac-40, MIMO

ANT1 + ANT2

Tested Freq. [MHz]	Antenna			PSD (Conducted)				RSS-247				Antenna			PSD (e.i.r.p.)				RSS-247			
	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	FCC 15.407 Limit [dBm/MHz]	FCC 15.407 Margin [dB]		Limit [dBm/MHz]	Margin [dB]			ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	FCC 15.407 Limit [dBm/MHz]	FCC 15.407 Margin [dB]		Limit [dBm/MHz]	Margin [dB]		
5190	0.09	0.09	0.18	-7.33	10.97	18.30	-	-				0.36	0.38	0.74	-1.30	17.00	18.30		10.00	11.30		
5230	0.09	0.10	0.19	-7.24	10.97	18.21	-	-				0.35	0.41	0.76	-1.21	17.00	18.21		10.00	11.21		
5270	0.09	0.10	0.19	-7.23	10.97	18.20	11.00	18.23	0.36	0.39	0.76	-1.20	17.00	18.20	-	-						
5310	0.09	0.10	0.19	-7.26	10.97	18.23	11.00	18.26	0.35	0.41	0.75	-1.23	17.00	18.23	-	-						
5510	0.10	0.10	0.19	-7.13	10.97	18.10	11.00	18.13	0.38	0.39	0.78	-1.10	17.00	18.10	-	-						
5550	0.09	0.10	0.19	-7.25	10.97	18.22	11.00	18.25	0.37	0.39	0.75	-1.22	17.00	18.22	-	-						
5670	0.09	0.10	0.19	-7.17	10.97	18.14	11.00	18.17	0.37	0.40	0.77	-1.14	17.00	18.14	-	-						
5710	0.09	0.10	0.19	-7.22	10.97	18.19	11.00	18.22	0.35	0.42	0.76	-1.19	17.00	18.19	-	-						
5755	0.05	0.05	0.10	-9.96	29.97	39.93	29.97	39.93	0.19	0.21	0.40	-3.93	36.00	39.93	36.00	39.93						
5795	0.05	0.05	0.10	-10.08	29.97	40.05	29.97	40.05	0.18	0.21	0.39	-4.05	36.00	40.05	36.00	40.05						

Tested Freq. [MHz]	Duty Factor [dB]	ANT1							ANT2						
		RBW Correction Factor	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]	
5190	0.11	0.00	-22.04	1.55	9.94	6.03	-10.44	-4.41	-21.87	1.52	9.99	6.03	-10.25	-4.22	
5230	0.11	0.00	-22.23	1.56	9.94	6.03	-10.62	-4.59	-21.52	1.52	9.99	6.03	-9.90	-3.87	
5270	0.11	0.00	-22.06	1.59	9.94	6.03	-10.42	-4.39	-21.74	1.56	9.99	6.03	-10.08	-4.05	
5310	0.11	0.00	-22.27	1.59	9.94	6.03	-10.63	-4.60	-21.60	1.56	9.99	6.03	-9.94	-3.91	
5510	0.11	0.00	-21.89	1.64	9.94	6.03	-10.20	-4.17	-21.83	1.63	10.00	6.03	-10.09	-4.06	
5550	0.11	0.00	-22.09	1.65	9.94	6.03	-10.39	-4.36	-21.89	1.64	10.00	6.03	-10.14	-4.11	
5670	0.11	0.00	-22.03	1.62	9.94	6.03	-10.36	-4.33	-21.73	1.61	10.00	6.03	-10.01	-3.98	
5710	0.11	0.00	-22.32	1.62	9.94	6.03	-10.65	-4.62	-21.57	1.62	10.00	6.03	-9.84	-3.81	
5755	0.11	0.27	-25.16	1.65	9.94	6.03	-13.19	-7.16	-24.78	1.63	10.00	6.03	-12.77	-6.74	
5795	0.11	0.27	-25.41	1.65	9.94	6.03	-13.44	-7.41	-24.78	1.63	10.00	6.03	-12.77	-6.74	

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log ((10^{(ANT1 \text{ gain}/20)} + 10^{(ANT2 \text{ gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami

11ax-40(OFDM), MIMO

ANT1 + ANT2

Tested Freq.	Antenna			PSD (Conducted)				RSS-247				Antenna			PSD (e.i.r.p.)				RSS-247			
	ANT1	ANT2	Sum	Result	FCC 15.407 Limit	FCC 15.407 Margin		Limit	Margin			ANT1	ANT2	Sum	Result	FCC 15.407 Limit	FCC 15.407 Margin		Limit	Margin		
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[dBm/MHz]	[dB]			[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[dBm/MHz]	[dB]		
5190	0.07	0.07	0.14	-8.40	10.97	19.37		-	-			0.28	0.30	0.58	-2.37	17.00	19.37		10.00	12.37		
5230	0.07	0.07	0.14	-8.50	10.97	19.47		-	-			0.27	0.30	0.57	-2.47	17.00	19.47		10.00	12.47		
5270	0.07	0.08	0.15	-8.10	10.97	19.07		11.00	19.10			0.30	0.32	0.62	-2.07	17.00	19.07		-	-		
5310	0.07	0.08	0.15	-8.37	10.97	19.34		11.00	19.37			0.27	0.31	0.58	-2.34	17.00	19.34		-	-		
5510	0.07	0.07	0.15	-8.36	10.97	19.33		11.00	19.36			0.30	0.29	0.58	-2.33	17.00	19.33		-	-		
5550	0.07	0.08	0.15	-8.35	10.97	19.32		11.00	19.35			0.28	0.30	0.59	-2.32	17.00	19.32		-	-		
5670	0.07	0.08	0.15	-8.33	10.97	19.30		11.00	19.33			0.28	0.31	0.59	-2.30	17.00	19.30		-	-		
5710	0.07	0.08	0.15	-8.27	10.97	19.24		11.00	19.27			0.29	0.31	0.60	-2.24	17.00	19.24		-	-		
5755	0.04	0.04	0.08	-10.81	29.97	40.78		29.97	40.78			0.15	0.18	0.33	-4.78	36.00	40.78		36.00	40.78		
5795	0.04	0.04	0.08	-11.11	29.97	41.08		29.97	41.08			0.14	0.17	0.31	-5.08	36.00	41.08		36.00	41.08		

Tested Freq.	Duty Factor	ANT1							ANT2						
		RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
5190	0.20	0.00	-23.26	1.55	9.94	6.03	-11.57	-5.54	-22.97	1.52	9.99	6.03	-11.26	-5.23	
5230	0.20	0.00	-23.44	1.56	9.94	6.03	-11.74	-5.71	-22.99	1.52	9.99	6.03	-11.28	-5.25	
5270	0.20	0.00	-23.00	1.59	9.94	6.03	-11.27	-5.24	-22.71	1.56	9.99	6.03	-10.96	-4.93	
5310	0.20	0.00	-23.43	1.59	9.94	6.03	-11.70	-5.67	-22.83	1.56	9.99	6.03	-11.08	-5.05	
5510	0.20	0.00	-23.09	1.64	9.94	6.03	-11.31	-5.28	-23.26	1.63	10.00	6.03	-11.43	-5.40	
5550	0.20	0.00	-23.30	1.65	9.94	6.03	-11.51	-5.48	-23.05	1.64	10.00	6.03	-11.21	-5.18	
5670	0.20	0.00	-23.29	1.62	9.94	6.03	-11.53	-5.50	-22.97	1.61	10.00	6.03	-11.16	-5.13	
5710	0.20	0.00	-23.23	1.62	9.94	6.03	-11.47	-5.44	-22.92	1.62	10.00	6.03	-11.10	-5.07	
5755	0.20	0.27	-26.23	1.65	9.94	6.03	-14.17	-8.14	-25.59	1.63	10.00	6.03	-13.49	-7.46	
5795	0.20	0.27	-26.59	1.65	9.94	6.03	-14.54	-8.51	-25.85	1.63	10.00	6.03	-13.75	-7.72	

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log ((10^{(ANT1 \text{ gain}/20)} + 10^{(ANT2 \text{ gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiomasa Sato

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

ANT1 + ANT2

Tested Freq.	RU Index	Antenna			PSD (Conducted)						PSD (e.i.r.p.)									
		ANT1	ANT2	Sum	Result	FCC 15.407			RSS-247			ANT1	ANT2	Sum	Result	FCC 15.407			RSS-247	
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]
5190	0	1.00	1.03	2.03	3.07	10.97	7.90	-	-	-	4.01	4.12	8.12	9.10	17.00	7.90	10.00	0.90	-	-
5230	17	1.17	1.11	2.28	3.58	10.97	7.39	-	-	-	4.69	4.46	9.14	9.61	17.00	7.39	10.00	0.39	-	-
5270	0	1.14	1.09	2.23	3.48	10.97	7.49	11.00	7.52	-	4.58	4.36	8.94	9.51	17.00	7.49	-	-	-	-
5310	17	1.16	1.21	2.38	3.76	10.97	7.21	11.00	7.24	-	4.66	4.86	9.52	9.79	17.00	7.21	-	-	-	-
5510	0	1.40	1.05	2.44	3.88	10.97	7.09	11.00	7.12	-	5.60	4.20	9.80	9.91	17.00	7.09	-	-	-	-
5550	8	1.03	1.11	2.14	3.30	10.97	7.67	11.00	7.70	-	4.13	4.45	8.57	9.33	17.00	7.67	-	-	-	-
5670	17	1.02	1.14	2.16	3.34	10.97	7.63	11.00	7.66	-	4.09	4.57	8.66	9.37	17.00	7.63	-	-	-	-
5710	17	1.12	1.22	2.34	3.70	10.97	7.27	11.00	7.30	-	4.50	4.90	9.40	9.73	17.00	7.27	-	-	-	-
5755	0	0.66	0.56	1.22	0.86	29.97	29.11	29.97	29.11	-	2.64	2.25	4.89	6.89	36.00	29.11	36.00	29.11	-	-
5795	17	0.55	0.58	1.13	0.53	29.97	29.44	29.97	29.44	-	2.22	2.31	4.53	6.56	36.00	29.44	36.00	29.44	-	-

				ANT1				ANT2							
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	0	0.24	0.00	-11.73	1.55	9.94	6.03	0.00	6.03	-11.64	1.52	9.99	6.03	0.12	6.14
5230	17	0.24	0.00	-11.06	1.56	9.94	6.03	0.68	6.71	-11.29	1.52	9.99	6.03	0.46	6.49
5270	0	0.24	0.00	-11.19	1.59	9.94	6.03	0.58	6.61	-11.43	1.56	9.99	6.03	0.36	6.39
5310	17	0.24	0.00	-11.11	1.59	9.94	6.03	0.66	6.69	-10.95	1.56	9.99	6.03	0.84	6.87
5510	0	0.24	0.00	-10.37	1.64	9.94	6.03	1.45	7.48	-11.67	1.63	10.00	6.03	0.20	6.23
5550	8	0.24	0.00	-11.70	1.65	9.94	6.03	0.13	6.16	-11.43	1.64	10.00	6.03	0.45	6.48
5670	17	0.24	0.00	-11.71	1.62	9.94	6.03	0.09	6.12	-11.29	1.61	10.00	6.03	0.57	6.59
5710	17	0.24	0.00	-11.29	1.62	9.94	6.03	0.51	6.54	-10.99	1.62	10.00	6.03	0.87	6.90
5755	0	0.24	0.27	-13.92	1.65	9.94	6.03	-1.82	4.21	-14.65	1.63	10.00	6.03	-2.51	3.52
5795	17	0.24	0.27	-14.67	1.65	9.94	6.03	-2.57	3.46	-14.54	1.63	10.00	6.03	-2.40	3.63

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiomasa Sato

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

ANT1 + ANT2

Tested Freq.	RU Index	PSD (Conducted)										PSD (e.i.r.p.)							
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247
[MHz]		ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]
5190	37	0.49	0.55	1.04	0.17	10.97	10.80	-	-	1.95	2.22	4.17	6.20	17.00	10.80	10.00	3.80		
5230	44	0.71	0.61	1.32	1.22	10.97	9.75	-	-	2.85	2.46	5.31	7.25	17.00	9.75	10.00	2.75		
5270	37	0.53	0.55	1.08	0.35	10.97	10.62	11.00	10.65	2.12	2.22	4.34	6.38	17.00	10.62	-	-		
5310	44	0.60	0.59	1.19	0.76	10.97	10.21	11.00	10.24	2.40	2.37	4.77	6.79	17.00	10.21	-	-		
5510	37	0.61	0.57	1.18	0.71	10.97	10.26	11.00	10.29	2.43	2.29	4.72	6.74	17.00	10.26	-	-		
5550	40	0.54	0.59	1.13	0.51	10.97	10.46	11.00	10.49	2.15	2.36	4.51	6.54	17.00	10.46	-	-		
5670	44	0.56	0.62	1.18	0.72	10.97	10.25	11.00	10.28	2.26	2.47	4.73	6.75	17.00	10.25	-	-		
5710	44	0.55	0.66	1.22	0.85	10.97	10.12	11.00	10.15	2.22	2.66	4.88	6.88	17.00	10.12	-	-		
5755	37	0.30	0.32	0.63	-2.03	29.97	32.00	29.97	32.00	1.22	1.29	2.51	4.00	36.00	32.00	36.00	32.00		
5795	44	0.28	0.31	0.60	-2.25	29.97	32.22	29.97	32.22	1.14	1.25	2.39	3.78	36.00	32.22	36.00	32.22		

				ANT1				ANT2							
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	37	0.24	0.00	-14.86	1.55	9.94	6.03	-3.13	2.90	-14.32	1.52	9.99	6.03	-2.57	3.46
5230	44	0.24	0.00	-13.22	1.56	9.94	6.03	-1.48	4.55	-13.88	1.52	9.99	6.03	-2.13	3.90
5270	37	0.24	0.00	-14.54	1.59	9.94	6.03	-2.77	3.26	-14.35	1.56	9.99	6.03	-2.56	3.47
5310	44	0.24	0.00	-14.00	1.59	9.94	6.03	-2.23	3.80	-14.07	1.56	9.99	6.03	-2.28	3.75
5510	37	0.24	0.00	-13.99	1.64	9.94	6.03	-2.17	3.86	-14.30	1.63	10.00	6.03	-2.43	3.60
5550	40	0.24	0.00	-14.53	1.65	9.94	6.03	-2.70	3.33	-14.19	1.64	10.00	6.03	-2.31	3.72
5670	44	0.24	0.00	-14.29	1.62	9.94	6.03	-2.49	3.54	-13.95	1.61	10.00	6.03	-2.10	3.93
5710	44	0.24	0.00	-14.37	1.62	9.94	6.03	-2.57	3.46	-13.64	1.62	10.00	6.03	-1.78	4.25
5755	37	0.24	0.27	-17.26	1.65	9.94	6.03	-5.16	0.87	-17.07	1.63	10.00	6.03	-4.93	1.10
5795	44	0.24	0.27	-17.58	1.65	9.94	6.03	-5.48	0.55	-17.19	1.63	10.00	6.03	-5.05	0.98

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 10, 2025	SR5	20 deg.C	57 %RH	Hiomasa Sato

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

ANT1 + ANT2

Tested Freq.	RU Index	PSD (Conducted)										PSD (e.i.r.p.)							
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247
[MHz]		ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]		[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]		ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]		[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]
5190	53	0.21	0.26	0.47	-3.25	10.97	14.22	-	-	0.85	1.04	1.89	2.78	17.00	14.22	10.00	7.22		
5230	56	0.34	0.27	0.62	-2.10	10.97	13.07	-	-	1.38	1.09	2.47	3.93	17.00	13.07	10.00	6.07		
5270	53	0.27	0.30	0.57	-2.41	10.97	13.38	11.00	13.41	1.09	1.21	2.30	3.62	17.00	13.38	-	-		
5310	56	0.30	0.30	0.60	-2.20	10.97	13.17	11.00	13.20	1.22	1.20	2.42	3.83	17.00	13.17	-	-		
5510	53	0.31	0.28	0.59	-2.26	10.97	13.23	11.00	13.26	1.25	1.14	2.38	3.77	17.00	13.23	-	-		
5550	54	0.29	0.30	0.59	-2.29	10.97	13.26	11.00	13.29	1.18	1.19	2.36	3.74	17.00	13.26	-	-		
5670	56	0.27	0.32	0.59	-2.30	10.97	13.27	11.00	13.30	1.10	1.26	2.36	3.73	17.00	13.27	-	-		
5710	56	0.29	0.33	0.62	-2.08	10.97	13.05	11.00	13.08	1.15	1.34	2.48	3.95	17.00	13.05	-	-		
5755	53	0.15	0.16	0.31	-5.12	29.97	35.09	29.97	35.09	0.59	0.65	1.23	0.91	36.00	35.09	36.00	35.09		
5795	56	0.13	0.16	0.29	-5.35	29.97	35.32	29.97	35.32	0.52	0.65	1.17	0.68	36.00	35.32	36.00	35.32		

				ANT1				ANT2							
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	53	0.25	0.00	-18.46	1.55	9.94	6.03	-6.72	-0.69	-17.61	1.52	9.99	6.03	-5.85	0.18
5230	56	0.25	0.00	-16.38	1.56	9.94	6.03	-4.63	1.40	-17.41	1.52	9.99	6.03	-5.65	0.38
5270	53	0.25	0.00	-17.45	1.59	9.94	6.03	-5.67	0.36	-16.99	1.56	9.99	6.03	-5.19	0.84
5310	56	0.25	0.00	-16.94	1.59	9.94	6.03	-5.16	0.87	-17.06	1.56	9.99	6.03	-5.26	0.77
5510	53	0.25	0.00	-16.90	1.64	9.94	6.03	-5.07	0.96	-17.35	1.63	10.00	6.03	-5.47	0.56
5550	54	0.25	0.00	-17.15	1.65	9.94	6.03	-5.31	0.72	-17.18	1.64	10.00	6.03	-5.29	0.74
5670	56	0.25	0.00	-17.43	1.62	9.94	6.03	-5.62	0.41	-16.87	1.61	10.00	6.03	-5.01	1.02
5710	56	0.25	0.00	-17.24	1.62	9.94	6.03	-5.43	0.60	-16.64	1.62	10.00	6.03	-4.77	1.26
5755	53	0.25	0.27	-20.46	1.65	9.94	6.03	-8.35	-2.32	-20.08	1.63	10.00	6.03	-7.93	-1.90
5795	56	0.25	0.27	-21.01	1.65	9.94	6.03	-8.91	-2.88	-20.03	1.63	10.00	6.03	-7.88	-1.85

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	20 deg.C	47 %RH	Makoto Hosaka

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

ANT1 + ANT2

Tested Freq.	RU Index	Antenna			PSD (Conducted)						PSD (e.i.r.p.)										
		ANT1	ANT2	Sum	Result	FCC 15.407			RSS-247			ANT1	ANT2	Sum	Result	FCC 15.407			RSS-247		
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]
5190	61	0.11	0.12	0.23	-6.31	10.97	17.28	-	-		0.45	0.49	0.94	-0.28	17.00	17.28	10.00	10.28			
5230	62	0.15	0.12	0.27	-5.76	10.97	16.73	-	-		0.58	0.48	1.06	0.27	17.00	16.73	10.00	9.73			
5270	61	0.12	0.12	0.24	-6.14	10.97	17.11	11.00	17.14		0.48	0.49	0.98	-0.11	17.00	17.11	-	-			
5310	62	0.13	0.13	0.25	-5.96	10.97	16.93	11.00	16.96		0.51	0.51	1.02	0.07	17.00	16.93	-	-			
5510	61	0.13	0.12	0.25	-5.98	10.97	16.95	11.00	16.98		0.54	0.47	1.01	0.05	17.00	16.95	-	-			
5550	61	0.14	0.12	0.26	-5.84	10.97	16.81	11.00	16.84		0.55	0.49	1.04	0.19	17.00	16.81	-	-			
5670	62	0.12	0.13	0.25	-5.95	10.97	16.92	11.00	16.95		0.49	0.53	1.02	0.08	17.00	16.92	-	-			
5710	62	0.12	0.13	0.25	-5.94	10.97	16.91	11.00	16.94		0.50	0.52	1.02	0.09	17.00	16.91	-	-			
5755	61	0.07	0.06	0.13	-8.94	29.97	38.91	29.97	38.91		0.26	0.25	0.51	-2.91	36.00	38.91	36.00	38.91			
5795	62	0.06	0.06	0.12	-9.21	29.97	39.18	29.97	39.18		0.22	0.26	0.48	-3.18	36.00	39.18	36.00	39.18			

				ANT1					ANT2						
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	61	0.25	0.00	-21.21	1.55	9.94	6.03	-9.47	-3.44	-20.93	1.52	9.99	6.03	-9.17	-3.14
5230	62	0.25	0.00	-20.13	1.56	9.94	6.03	-8.38	-2.35	-20.97	1.52	9.99	6.03	-9.21	-3.18
5270	61	0.25	0.00	-20.97	1.59	9.94	6.03	-9.19	-3.16	-20.91	1.56	9.99	6.03	-9.11	-3.08
5310	62	0.25	0.00	-20.72	1.59	9.94	6.03	-8.94	-2.91	-20.80	1.56	9.99	6.03	-9.00	-2.97
5510	61	0.25	0.00	-20.55	1.64	9.94	6.03	-8.72	-2.69	-21.15	1.63	10.00	6.03	-9.27	-3.24
5550	61	0.25	0.00	-20.45	1.65	9.94	6.03	-8.61	-2.58	-21.00	1.64	10.00	6.03	-9.11	-3.08
5670	62	0.25	0.00	-20.93	1.62	9.94	6.03	-9.12	-3.09	-20.66	1.61	10.00	6.03	-8.80	-2.77
5710	62	0.25	0.00	-20.87	1.62	9.94	6.03	-9.06	-3.03	-20.72	1.62	10.00	6.03	-8.85	-2.82
5755	61	0.25	0.27	-23.98	1.65	9.94	6.03	-11.87	-5.84	-24.18	1.63	10.00	6.03	-12.03	-6.00
5795	62	0.25	0.27	-24.62	1.65	9.94	6.03	-12.51	-6.48	-24.09	1.63	10.00	6.03	-11.94	-5.91

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 13, 2025	SR5	20 deg.C	47 %RH	Makoto Hosaka

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

ANT1 + ANT2

Tested Freq.	RU Index	Antenna			PSD (Conducted)						PSD (e.i.r.p.)									
		ANT1	ANT2	Sum	Result	FCC 15.407			RSS-247			ANT1	ANT2	Sum	Result	FCC 15.407			RSS-247	
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]			[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]
5190	65	0.07	0.06	0.14	-8.67	10.97	19.64	-	-	0.30	0.25	0.55	-2.64	17.00	19.64	10.00	12.64			
5230	65	0.08	0.07	0.14	-8.45	10.97	19.42	-	-	0.31	0.26	0.57	-2.42	17.00	19.42	10.00	12.42			
5270	65	0.07	0.06	0.13	-8.91	10.97	19.88	11.00	19.91	0.27	0.24	0.52	-2.88	17.00	19.88	-	-			
5310	65	0.07	0.07	0.13	-8.76	10.97	19.73	11.00	19.76	0.26	0.27	0.53	-2.73	17.00	19.73	-	-			
5510	65	0.07	0.06	0.13	-8.81	10.97	19.78	11.00	19.81	0.27	0.26	0.53	-2.78	17.00	19.78	-	-			
5550	65	0.06	0.06	0.13	-8.89	10.97	19.86	11.00	19.89	0.26	0.26	0.52	-2.86	17.00	19.86	-	-			
5670	65	0.07	0.07	0.13	-8.75	10.97	19.72	11.00	19.75	0.27	0.26	0.54	-2.72	17.00	19.72	-	-			
5710	65	0.07	0.07	0.14	-8.56	10.97	19.53	11.00	19.56	0.26	0.29	0.56	-2.53	17.00	19.53	-	-			
5755	65	0.03	0.03	0.07	-11.65	29.97	41.62	29.97	41.62	0.14	0.14	0.27	-5.62	36.00	41.62	36.00	41.62			
5795	65	0.03	0.03	0.06	-12.01	29.97	41.98	29.97	41.98	0.11	0.14	0.25	-5.98	36.00	41.98	36.00	41.98			

				ANT1					ANT2						
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	65	0.24	0.00	-23.02	1.55	9.94	6.03	-11.29	-5.26	-23.85	1.52	9.99	6.03	-12.10	-6.07
5230	65	0.24	0.00	-22.85	1.56	9.94	6.03	-11.11	-5.08	-23.59	1.52	9.99	6.03	-11.84	-5.81
5270	65	0.24	0.00	-23.48	1.59	9.94	6.03	-11.71	-5.68	-23.93	1.56	9.99	6.03	-12.14	-6.11
5310	65	0.24	0.00	-23.60	1.59	9.94	6.03	-11.83	-5.80	-23.50	1.56	9.99	6.03	-11.71	-5.68
5510	65	0.24	0.00	-23.58	1.64	9.94	6.03	-11.76	-5.73	-23.75	1.63	10.00	6.03	-11.88	-5.85
5550	65	0.24	0.00	-23.75	1.65	9.94	6.03	-11.92	-5.89	-23.76	1.64	10.00	6.03	-11.88	-5.85
5670	65	0.24	0.00	-23.51	1.62	9.94	6.03	-11.71	-5.68	-23.66	1.61	10.00	6.03	-11.81	-5.78
5710	65	0.24	0.00	-23.61	1.62	9.94	6.03	-11.81	-5.78	-23.20	1.62	10.00	6.03	-11.34	-5.31
5755	65	0.24	0.27	-26.72	1.65	9.94	6.03	-14.62	-8.59	-26.85	1.63	10.00	6.03	-14.71	-8.68
5795	65	0.24	0.27	-27.55	1.65	9.94	6.03	-15.45	-9.42	-26.77	1.63	10.00	6.03	-14.63	-8.60

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami

11ac-80, MIMO

ANT1 + ANT2

Tested Freq. [MHz]	Antenna			PSD (Conducted)				RSS-247				Antenna			PSD (e.i.r.p.)				RSS-247			
	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]		Limit [dBm/MHz]	Margin [dB]			ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]		Limit [dBm/MHz]	Margin [dB]		
5210	0.04	0.05	0.09	-10.47	10.97	21.44		-	-			0.17	0.19	0.36	-4.44	17.00	21.44		10.00	14.44		
5290	0.04	0.05	0.08	-10.72	10.97	21.69		11.00	21.72			0.15	0.19	0.34	-4.69	17.00	21.69		-	-		
5530	0.03	0.05	0.07	-11.32	10.97	22.29		11.00	22.32			0.11	0.19	0.30	-5.29	17.00	22.29		-	-		
5610	0.03	0.04	0.07	-11.56	10.97	22.53		11.00	22.56			0.10	0.18	0.28	-5.53	17.00	22.53		-	-		
5690	0.02	0.05	0.07	-11.25	10.97	22.22		11.00	22.25			0.10	0.20	0.30	-5.22	17.00	22.22		-	-		
5775	0.01	0.03	0.04	-14.21	29.97	44.18		29.97	44.18			0.05	0.10	0.15	-8.18	36.00	44.18		36.00	44.18		

ANT1									ANT2					
Tested Freq.	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Cond.	Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	0.03	0.00	-25.26	1.55	9.94	6.03	-13.74	-7.71	-24.77	1.52	9.99	6.03	-13.23	-7.20
5290	0.03	0.00	-25.80	1.59	9.94	6.03	-14.24	-8.21	-24.85	1.56	9.99	6.03	-13.27	-7.24
5530	0.03	0.00	-27.23	1.65	9.94	6.03	-15.61	-9.58	-25.02	1.64	10.00	6.03	-13.35	-7.32
5610	0.03	0.00	-27.56	1.61	9.94	6.03	-15.98	-9.95	-25.16	1.61	10.00	6.03	-13.52	-7.49
5690	0.03	0.00	-27.62	1.62	9.94	6.03	-16.03	-10.00	-24.65	1.61	10.00	6.03	-13.01	-6.98
5775	0.03	0.27	-30.76	1.65	9.94	6.03	-18.87	-12.84	-27.95	1.63	10.00	6.03	-16.02	-9.99

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{1/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami

11ax-80(OFDM), MIMO
ANT1 + ANT2

Tested Freq. [MHz]	Antenna			PSD (Conducted)				RSS-247				Antenna			PSD (e.i.r.p.)				RSS-247			
	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]		Limit [dBm/MHz]	Margin [dB]			ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]		Limit [dBm/MHz]	Margin [dB]		
5210	0.03	0.03	0.07	-11.69	10.97	22.66		-	-			0.14	0.14	0.27	-5.66	17.00	22.66		10.00	15.66		
5290	0.03	0.03	0.07	-11.75	10.97	22.72		11.00	22.75			0.13	0.13	0.27	-5.72	17.00	22.72		-	-		
5530	0.03	0.04	0.07	-11.56	10.97	22.53		11.00	22.56			0.14	0.14	0.28	-5.53	17.00	22.53		-	-		
5610	0.03	0.04	0.07	-11.58	10.97	22.55		11.00	22.58			0.14	0.14	0.28	-5.55	17.00	22.55		-	-		
5690	0.03	0.04	0.07	-11.40	10.97	22.37		11.00	22.40			0.14	0.15	0.29	-5.37	17.00	22.37		-	-		
5775	0.02	0.02	0.04	-14.22	29.97	44.19		29.97	44.19			0.07	0.08	0.15	-8.19	36.00	44.19		36.00	44.19		

ANT1								ANT2							
Tested Freq.	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]		
5210	0.03	0.00	-26.22	1.55	9.94	6.03	-14.70	-8.67	-26.24	1.52	9.99	6.03	-14.70	-8.67	
5290	0.03	0.00	-26.31	1.59	9.94	6.03	-14.75	-8.72	-26.35	1.56	9.99	6.03	-14.77	-8.74	
5530	0.03	0.00	-26.21	1.65	9.94	6.03	-14.59	-8.56	-26.22	1.64	10.00	6.03	-14.55	-8.52	
5610	0.03	0.00	-26.27	1.61	9.94	6.03	-14.69	-8.66	-26.13	1.61	10.00	6.03	-14.49	-8.46	
5690	0.03	0.00	-26.20	1.62	9.94	6.03	-14.61	-8.58	-25.86	1.61	10.00	6.03	-14.22	-8.19	
5775	0.03	0.27	-29.33	1.65	9.94	6.03	-17.44	-11.41	-28.95	1.63	10.00	6.03	-17.02	-10.99	

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka

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

ANT1 + ANT2

Tested Freq. [MHz]	RU Index	PSD (Conducted)								PSD (e.i.r.p.)							
		Antenna		Sum	Result	FCC 15.407		RSS-247		Antenna		Sum	Result	FCC 15.407		RSS-247	
		ANT1 [mW/MHz]	ANT2 [mW/MHz]			Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]			Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]
5210	0	0.74	0.99	1.74	2.39	10.97	8.58	-	-	2.98	3.98	6.96	8.42	17.00	8.58	10.00	1.58
5290	36	1.22	0.96	2.18	3.39	10.97	7.58	11.00	7.61	4.90	3.84	8.75	9.42	17.00	7.58	-	-
5530	0	1.20	1.06	2.26	3.54	10.97	7.43	11.00	7.46	4.80	4.25	9.05	9.57	17.00	7.43	-	-
5610	18	0.80	0.86	1.66	2.19	10.97	8.78	11.00	8.81	3.19	3.44	6.63	8.22	17.00	8.78	-	-
5690	36	0.93	1.13	2.06	3.13	10.97	7.84	11.00	7.87	3.72	4.52	8.25	9.16	17.00	7.84	-	-
5775	0	0.71	0.62	1.33	1.22	29.97	28.75	29.97	28.75	2.85	2.47	5.31	7.25	36.00	28.75	36.00	28.75
	36	0.55	0.61	1.16	0.64	29.97	29.33	29.97	29.33	2.21	2.44	4.65	6.67	36.00	29.33	36.00	29.33

Tested Freq. [MHz]	RU Index	Duty Factor	RBW Correction Factor	ANT1					ANT2					PSD Result e.i.r.p.	
				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]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	0	0.23	0.00	-13.01	1.55	9.94	6.03	-1.29	4.74	-11.77	1.52	9.99	6.03	-0.03	6.00
5290	36	0.23	0.00	-10.88	1.59	9.94	6.03	0.88	6.91	-11.97	1.56	9.99	6.03	-0.19	5.84
5530	0	0.23	0.00	-11.04	1.65	9.94	6.03	0.79	6.81	-11.62	1.64	10.00	6.03	0.25	6.28
5610	18	0.23	0.00	-12.77	1.61	9.94	6.03	-0.99	5.04	-12.50	1.61	10.00	6.03	-0.66	5.37
5690	36	0.23	0.00	-12.11	1.62	9.94	6.03	-0.32	5.71	-11.32	1.61	10.00	6.03	0.53	6.55
5775	0	0.23	0.27	-13.57	1.65	9.94	6.03	-1.48	4.55	-14.24	1.63	10.00	6.03	-2.11	3.92
	36	0.23	0.27	-14.67	1.65	9.94	6.03	-2.58	3.45	-14.29	1.63	10.00	6.03	-2.16	3.87

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka

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

ANT1 + ANT2

Tested Freq. [MHz]	RU Index	PSD (Conducted)								PSD (e.i.r.p.)							
		Antenna		Sum	Result	FCC 15.407		RSS-247		Antenna		Sum	Result	FCC 15.407		RSS-247	
		ANT1 [mW/MHz]	ANT2 [mW/MHz]			Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]			Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]
5210	37	0.35	0.53	0.88	-0.57	10.97	11.54	-	-	1.40	2.11	3.51	5.46	17.00	11.54	10.00	4.54
5290	52	0.61	0.50	1.12	0.48	10.97	10.49	11.00	10.52	2.46	2.02	4.48	6.51	17.00	10.49	-	-
5530	37	0.62	0.53	1.14	0.58	10.97	10.39	11.00	10.42	2.47	2.11	4.58	6.61	17.00	10.39	-	-
5610	44	0.55	0.49	1.04	0.16	10.97	10.81	11.00	10.84	2.21	1.95	4.16	6.19	17.00	10.81	-	-
5690	52	0.53	0.61	1.13	0.54	10.97	10.43	11.00	10.46	2.11	2.43	4.54	6.57	17.00	10.43	-	-
5775	37	0.31	0.30	0.61	-2.17	29.97	32.14	29.97	32.14	1.25	1.19	2.43	3.86	36.00	32.14	36.00	32.14
	52	0.27	0.32	0.59	-2.28	29.97	32.25	29.97	32.25	1.09	1.29	2.37	3.75	36.00	32.25	36.00	32.25

				ANT1				ANT2							
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	37	0.23	0.00	-16.29	1.55	9.94	6.03	-4.57	1.46	-14.52	1.52	9.99	6.03	-2.78	3.25
5290	52	0.23	0.00	-13.88	1.59	9.94	6.03	-2.12	3.91	-14.76	1.56	9.99	6.03	-2.98	3.05
5530	37	0.23	0.00	-13.92	1.65	9.94	6.03	-2.10	3.93	-14.65	1.64	10.00	6.03	-2.78	3.25
5610	44	0.23	0.00	-14.37	1.61	9.94	6.03	-2.59	3.44	-14.97	1.61	10.00	6.03	-3.13	2.90
5690	52	0.23	0.00	-14.57	1.62	9.94	6.03	-2.78	3.25	-14.02	1.61	10.00	6.03	-2.18	3.85
5775	37	0.23	0.27	-17.16	1.65	9.94	6.03	-5.07	0.96	-17.41	1.63	10.00	6.03	-5.28	0.75
	52	0.23	0.27	-17.76	1.65	9.94	6.03	-5.67	0.36	-17.07	1.63	10.00	6.03	-4.94	1.09

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka

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

ANT1 + ANT2

Tested Freq. [MHz]	RU Index	PSD (Conducted)								PSD (e.i.r.p.)							
		Antenna		Sum	Result	FCC 15.407		RSS-247		Antenna		Sum	Result	FCC 15.407		RSS-247	
		ANT1 [mW/MHz]	ANT2 [mW/MHz]			Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]			Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]
5210	53	0.18	0.27	0.45	-3.51	10.97	14.48	-	-	0.72	1.07	1.79	2.52	17.00	14.48	10.00	7.48
5290	60	0.33	0.25	0.58	-2.35	10.97	13.32	11.00	13.35	1.33	1.01	2.34	3.68	17.00	13.32	-	-
5530	53	0.30	0.25	0.55	-2.57	10.97	13.54	11.00	13.57	1.20	1.02	2.22	3.46	17.00	13.54	-	-
5610	56	0.27	0.25	0.52	-2.83	10.97	13.80	11.00	13.83	1.08	1.01	2.09	3.20	17.00	13.80	-	-
5690	60	0.25	0.29	0.54	-2.72	10.97	13.69	11.00	13.72	0.99	1.16	2.14	3.31	17.00	13.69	-	-
5775	53	0.15	0.16	0.32	-4.97	29.97	34.94	29.97	34.94	0.62	0.66	1.28	1.06	36.00	34.94	36.00	34.94
	60	0.13	0.15	0.29	-5.41	29.97	35.38	29.97	35.38	0.54	0.61	1.15	0.62	36.00	35.38	36.00	35.38

Tested Freq. [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	ANT1					ANT2					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]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	53	0.24	0.00	-19.19	1.55	9.94	6.03	-7.46	-1.43	-17.50	1.52	9.99	6.03	-5.75	0.28
5290	60	0.24	0.00	-16.58	1.59	9.94	6.03	-4.81	1.22	-17.78	1.56	9.99	6.03	-5.99	0.04
5530	53	0.24	0.00	-17.08	1.65	9.94	6.03	-5.25	0.78	-17.82	1.64	10.00	6.03	-5.94	0.09
5610	56	0.24	0.00	-17.50	1.61	9.94	6.03	-5.71	0.32	-17.83	1.61	10.00	6.03	-5.98	0.05
5690	60	0.24	0.00	-17.89	1.62	9.94	6.03	-6.09	-0.06	-17.24	1.61	10.00	6.03	-5.39	0.64
5775	53	0.24	0.27	-20.21	1.65	9.94	6.03	-8.11	-2.08	-20.00	1.63	10.00	6.03	-7.86	-1.83
	60	0.24	0.27	-20.80	1.65	9.94	6.03	-8.70	-2.67	-20.30	1.63	10.00	6.03	-8.16	-2.13

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log ((10^{(ANT1 \text{ gain}/20)} + 10^{(ANT2 \text{ gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka

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

ANT1 + ANT2

Tested Freq. [MHz]	RU Index	PSD (Conducted)								PSD (e.i.r.p.)							
		Antenna		Sum	Result	FCC 15.407		RSS-247		Antenna		Sum	Result	FCC 15.407		RSS-247	
		ANT1 [mW/MHz]	ANT2 [mW/MHz]			Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]			Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]
5210	61	0.09	0.11	0.20	-6.96	10.97	17.93	-	-	0.35	0.46	0.81	-0.93	17.00	17.93	10.00	10.93
5290	64	0.15	0.12	0.26	-5.79	10.97	16.76	11.00	16.79	0.59	0.47	1.06	0.24	17.00	16.76	-	-
5530	61	0.13	0.12	0.26	-5.91	10.97	16.88	11.00	16.91	0.53	0.50	1.03	0.12	17.00	16.88	-	-
5610	62	0.12	0.11	0.23	-6.36	10.97	17.33	11.00	17.36	0.48	0.45	0.93	-0.33	17.00	17.33	-	-
5690	64	0.12	0.13	0.25	-6.07	10.97	17.04	11.00	17.07	0.46	0.53	0.99	-0.04	17.00	17.04	-	-
5775	61	0.07	0.07	0.14	-8.43	29.97	38.40	29.97	38.40	0.30	0.28	0.58	-2.40	36.00	38.40	36.00	38.40
	64	0.06	0.07	0.13	-8.97	29.97	38.94	29.97	38.94	0.24	0.27	0.51	-2.94	36.00	38.94	36.00	38.94

Tested Freq. [MHz]	RU Index	Duty Factor	RBW Correction Factor	ANT1					ANT2					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]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	61	0.24	0.00	-22.30	1.55	9.94	6.03	-10.57	-4.54	-21.19	1.52	9.99	6.03	-9.44	-3.41
5290	64	0.24	0.00	-20.13	1.59	9.94	6.03	-8.36	-2.33	-21.09	1.56	9.99	6.03	-9.30	-3.27
5530	61	0.24	0.00	-20.62	1.65	9.94	6.03	-8.79	-2.76	-20.94	1.64	10.00	6.03	-9.06	-3.03
5610	62	0.24	0.00	-21.05	1.61	9.94	6.03	-9.26	-3.23	-21.33	1.61	10.00	6.03	-9.48	-3.45
5690	64	0.24	0.00	-21.17	1.62	9.94	6.03	-9.37	-3.34	-20.66	1.61	10.00	6.03	-8.81	-2.78
5775	61	0.24	0.27	-23.41	1.65	9.94	6.03	-11.31	-5.28	-23.71	1.63	10.00	6.03	-11.57	-5.54
	64	0.24	0.27	-24.33	1.65	9.94	6.03	-12.23	-6.20	-23.88	1.63	10.00	6.03	-11.74	-5.71

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka

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

ANT1 + ANT2

Tested Freq. [MHz]	RU Index	PSD (Conducted)								PSD (e.i.r.p.)							
		Antenna		Sum	Result	FCC 15.407		RSS-247		Antenna		Sum	Result	FCC 15.407		RSS-247	
		ANT1 [mW/MHz]	ANT2 [mW/MHz]			Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]			Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]
5210	65	0.05	0.06	0.11	-9.42	10.97	20.39	-	-	0.22	0.24	0.46	-3.39	17.00	20.39	10.00	13.39
5290	66	0.08	0.06	0.14	-8.65	10.97	19.62	11.00	19.65	0.31	0.24	0.55	-2.62	17.00	19.62	-	-
5530	65	0.06	0.06	0.13	-9.00	10.97	19.97	11.00	20.00	0.26	0.24	0.50	-2.97	17.00	19.97	-	-
5610	66	0.06	0.06	0.12	-9.30	10.97	20.27	11.00	20.30	0.23	0.24	0.47	-3.27	17.00	20.27	-	-
5690	66	0.06	0.07	0.13	-8.87	10.97	19.84	11.00	19.87	0.25	0.27	0.52	-2.84	17.00	19.84	-	-
5775	65	0.03	0.04	0.07	-11.52	29.97	41.49	29.97	41.49	0.14	0.14	0.28	-5.49	36.00	41.49	36.00	41.49
	66	0.03	0.03	0.07	-11.69	29.97	41.66	29.97	41.66	0.13	0.14	0.27	-5.66	36.00	41.66	36.00	41.66

Tested Freq. [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	ANT1						ANT2					
				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]
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	65	0.24	0.00	-24.41	1.55	9.94	6.03	-12.68	-6.65	-23.95	1.52	9.99	6.03	-12.20	-6.17
5290	66	0.24	0.00	-22.91	1.59	9.94	6.03	-11.14	-5.11	-24.05	1.56	9.99	6.03	-12.26	-6.23
5530	65	0.24	0.00	-23.71	1.65	9.94	6.03	-11.88	-5.85	-24.03	1.64	10.00	6.03	-12.15	-6.12
5610	66	0.24	0.00	-24.22	1.61	9.94	6.03	-12.43	-6.40	-24.03	1.61	10.00	6.03	-12.18	-6.15
5690	66	0.24	0.00	-23.93	1.62	9.94	6.03	-12.13	-6.10	-23.50	1.61	10.00	6.03	-11.65	-5.62
5775	65	0.24	0.27	-26.71	1.65	9.94	6.03	-14.62	-8.59	-26.58	1.63	10.00	6.03	-14.44	-8.41
	66	0.24	0.27	-26.94	1.65	9.94	6.03	-14.84	-8.81	-26.71	1.63	10.00	6.03	-14.57	-8.54

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^{2/2})$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 09, 2025	SR5	26 deg.C	32 %RH	Makoto Hosaka

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

ANT1 + ANT2

Tested Freq.	RU Index	Antenna			PSD (Conducted)						PSD (e.i.r.p.)								
		ANT1	ANT2	Sum	Result	FCC 15.407			RSS-247		ANT1	ANT2	Sum	Result	FCC 15.407			RSS-247	
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	Margin [dB]	[dBm/MHz]	Margin [dB]	[dBm/MHz]	[dBm/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	Margin [dB]	[dBm/MHz]	Margin [dB]
5210	67	0.04	0.03	0.07	-11.34	10.97	22.31	-	-	0.17	0.13	0.29	-5.31	17.00	22.31	10.00	15.31		
5290	67	0.04	0.03	0.07	-11.64	10.97	22.61	11.00	22.64	0.15	0.13	0.27	-5.61	17.00	22.61	-	-		
5530	67	0.03	0.03	0.06	-11.88	10.97	22.85	11.00	22.88	0.14	0.12	0.26	-5.85	17.00	22.85	-	-		
5610	67	0.04	0.03	0.06	-11.87	10.97	22.84	11.00	22.87	0.14	0.12	0.26	-5.84	17.00	22.84	-	-		
5690	67	0.03	0.03	0.07	-11.68	10.97	22.65	11.00	22.68	0.14	0.14	0.27	-5.65	17.00	22.65	-	-		
5775	67	0.02	0.02	0.04	-14.52	29.97	44.49	29.97	44.49	0.07	0.07	0.14	-8.49	36.00	44.49	36.00	44.49		

				ANT1					ANT2						
Tested Freq.	RU Index	Duty Factor	RBW Correction 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	67	0.24	0.00	-25.54	1.55	9.94	6.03	-13.81	-7.78	-26.71	1.52	9.99	6.03	-14.96	-8.93
5290	67	0.24	0.00	-26.05	1.59	9.94	6.03	-14.28	-8.25	-26.84	1.56	9.99	6.03	-15.05	-9.02
5530	67	0.24	0.00	-26.49	1.65	9.94	6.03	-14.66	-8.63	-27.03	1.64	10.00	6.03	-15.15	-9.12
5610	67	0.24	0.00	-26.32	1.61	9.94	6.03	-14.53	-8.50	-27.13	1.61	10.00	6.03	-15.28	-9.25
5690	67	0.24	0.00	-26.48	1.62	9.94	6.03	-14.68	-8.65	-26.56	1.61	10.00	6.03	-14.71	-8.68
5775	67	0.24	0.27	-29.62	1.65	9.94	6.03	-17.53	-11.50	-29.68	1.63	10.00	6.03	-17.54	-11.51

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/20)} + 10^{(\text{ANT2 gain}/20)})^2/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami

11ac-160, MIMO

ANT1 + ANT2

Tested Freq. [MHz]	Antenna			PSD (Conducted)						Antenna			PSD (e.i.r.p.)					
	ANT1	ANT2	Sum	Result	FCC 15.407		RSS-247		ANT1	ANT2	Sum	Result	FCC 15.407		RSS-247			
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]		
5250	0.02	0.02	0.05	-13.16	11.00	24.16	-	-	0.10	0.09	0.19	-7.13	17.00	24.13	10.00	17.13		
5570	0.02	0.02	0.05	-13.23	11.00	24.23	11.00	24.23	0.09	0.10	0.19	-7.20	17.00	24.20	-	-		

Tested Freq. [MHz]	Duty Factor [dB]	RBW Correction Factor [dB]	ANT1					ANT2					PSD Result				
			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]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5250	0.03	0.00	-27.67	1.65	9.94	6.03	-16.05	-10.02	-27.93	1.61	9.99	6.03	-16.30	-10.27	-16.30	-10.27	-10.27
5570	0.03	0.00	-27.90	1.65	9.94	6.03	-16.28	-10.25	-27.87	1.64	10.00	6.03	-16.20	-10.17	-16.20	-10.17	-10.17

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log ((10^{(ANT1 \text{ gain}/10)} + 10^{(ANT2 \text{ gain}/10)})/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami

11ax-160(OFDM), MIMO

ANT1 + ANT2

Tested Freq.	PSD (Conducted)								PSD (e.i.r.p.)									
	Antenna			Result	FCC 15.407			RSS-247		Antenna			Result	FCC 15.407			RSS-247	
	ANT1	ANT2	Sum	Limit	Margin	Limit	Margin	ANT1	ANT2	Sum	Limit	Margin	Limit	Margin				
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]		
5250	0.02	0.02	0.05	-13.20	11.00	24.20	-	-	0.09	0.10	0.19	-7.17	17.00	24.17	10.00	17.17		
5570	0.02	0.02	0.04	-14.04	11.00	25.04	11.00	25.04	0.06	0.10	0.16	-8.01	17.00	25.01	-	-		

			ANT1						ANT2					
Tested Freq.	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Cond.	Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Cond.	Result e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5250	0.03	0.00	-27.98	1.65	9.94	6.03	-16.36	-10.33	-27.69	1.61	9.99	6.03	-16.06	-10.03
5570	0.03	0.00	-29.78	1.65	9.94	6.03	-18.16	-12.13	-27.83	1.64	10.00	6.03	-16.17	-10.14

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/10)} + 10^{(\text{ANT2 gain}/10)})/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami

11ax-160(OFDMA), 26-tone RU, MIMO

ANT1 + ANT2

Tested Freq. [MHz]	Segment	RU Index	PSD (Conducted)								PSD (e.i.r.p.)							
			Antenna ANT1 [mW/MHz]	Antenna ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	FCC 15.407 Limit [dBm/MHz]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm/MHz]	RSS-247 Margin [dB]	Antenna ANT1 [mW/MHz]	Antenna ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	FCC 15.407 Limit [dBm/MHz]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm/MHz]	RSS-247 Margin [dB]
5250	0	0	0.40	0.82	1.21	0.85	11.00	10.15	-	-	1.59	3.27	4.87	6.88	17.00	10.12	10.00	3.12
	1	36	1.12	0.88	2.00	3.03	11.00	7.97	-	-	4.49	3.54	8.04	9.06	17.00	7.94	10.00	0.94
5570	0	0	1.33	1.08	2.41	3.82	11.00	7.18	11.00	7.18	5.33	4.32	9.65	9.85	17.00	7.15	-	-
	1	36	0.88	1.18	2.05	3.13	11.00	7.87	11.00	7.87	3.51	4.72	8.23	9.16	17.00	7.84	-	-

Tested Freq. [MHz]	Segment	RU Index	ANT1								ANT2							
			Duty Factor [dB]	RBW Correction Factor [dB]	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]		
5250	0	0	0.23	0.00	-15.82	1.65	9.94	6.03	-4.01	2.02	-12.71	1.61	9.99	6.03	-0.88	5.15		
	1	36	0.23	0.00	-11.32	1.65	9.94	6.03	0.50	6.53	-12.37	1.61	9.99	6.03	-0.54	5.49		
5570	0	0	0.23	0.00	-10.58	1.65	9.94	6.03	1.24	7.27	-11.54	1.64	10.00	6.03	0.33	6.36		
	1	36	0.23	0.00	-12.40	1.65	9.94	6.03	-0.58	5.45	-11.16	1.64	10.00	6.03	0.71	6.74		

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/10)} + 10^{(\text{ANT2 gain}/10)})/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 21 2025	SR5	23 deg.C	37 %RH	Yosuke Murakami

11ax-160(OFDMA), 52-tone RU, MIMO

ANT1 + ANT2

Tested Freq. [MHz]	Segment	RU Index	PSD (Conducted)								PSD (e.i.r.p.)							
			Antenna ANT1 [mW/MHz]	Antenna ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	FCC 15.407 Limit [dBm/MHz]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm/MHz]	RSS-247 Margin [dB]	Antenna ANT1 [mW/MHz]	Antenna ANT2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	FCC 15.407 Limit [dBm/MHz]	FCC 15.407 Margin [dB]	RSS-247 Limit [dBm/MHz]	RSS-247 Margin [dB]
5250	0	37	0.21	0.41	0.62	-2.09	11.00	13.09	-	-	0.85	1.63	2.48	3.95	17.00	13.05	10.00	6.05
	1	52	0.55	0.41	0.97	-0.14	11.00	11.14	-	-	2.22	1.66	3.88	5.90	17.00	11.10	10.00	4.10
5570	0	37	0.64	0.55	1.20	0.79	11.00	10.21	11.00	10.21	2.58	2.22	4.80	6.82	17.00	10.18	-	-
	1	52	0.41	0.58	1.00	-0.02	11.00	11.02	11.00	11.02	1.65	2.34	3.99	6.02	17.00	10.98	-	-

Tested Freq. [MHz]	Segment	RU Index	ANT1								ANT2							
			Duty Factor [dB]	RBW Correction Factor [dB]	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]		
5250	0	37	0.23	0.00	-18.58	1.65	9.94	6.03	-6.76	-0.73	-15.73	1.61	9.99	6.03	-3.90	2.13		
	1	52	0.23	0.00	-14.38	1.65	9.94	6.03	-2.56	3.47	-15.66	1.61	9.99	6.03	-3.83	2.20		
5570	0	37	0.23	0.00	-13.73	1.65	9.94	6.03	-1.91	4.12	-14.44	1.64	10.00	6.03	-2.57	3.46		
	1	52	0.23	0.00	-15.67	1.65	9.94	6.03	-3.84	2.19	-14.21	1.64	10.00	6.03	-2.34	3.69		

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/10)} + 10^{(\text{ANT2 gain}/10)})/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 22, 2025	SR5	23 deg.C	45 %RH	Shiro Kobayashi

11ax-160(OFDMA), 106-tone RU, MIMO

ANT1 + ANT2

Tested Freq.	Seg ment	RU Index	PSD (Conducted)										PSD (e.i.r.p.)									
			Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247					
			ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]				
5250	0	53	0.10	0.20	0.31	-5.13	11.00	16.13	-	-	0.42	0.81	1.23	0.91	17.00	16.09	10.00	9.09				
	1	60	0.28	0.22	0.50	-2.99	11.00	13.99	-	-	1.14	0.87	2.01	3.05	17.00	13.95	10.00	6.95				
5570	0	53	0.31	0.29	0.60	-2.21	11.00	13.21	11.00	13.21	1.24	1.17	2.41	3.83	17.00	13.17	-	-				
	1	60	0.21	0.28	0.49	-3.11	11.00	14.11	11.00	14.11	0.86	1.11	1.96	2.93	17.00	14.07	-	-				

				ANT1							ANT2						
Tested Freq.	Seg ment	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		
[MHz]			[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p. [dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p. [dBm/MHz]	
5250	0	53	0.23	0.00	-21.64	1.65	9.94	6.03	-9.82	-3.79	-18.76	1.61	9.99	6.03	-6.93	-0.90	
	1	60	0.23	0.00	-17.28	1.65	9.94	6.03	-5.46	0.57	-18.45	1.61	9.99	6.03	-6.62	-0.59	
5570	0	53	0.23	0.00	-16.91	1.65	9.94	6.03	-5.09	0.94	-17.21	1.64	10.00	6.03	-5.34	0.69	
	1	60	0.23	0.00	-18.53	1.65	9.94	6.03	-6.71	-0.68	-17.46	1.64	10.00	6.03	-5.59	0.44	

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/10)} + 10^{(\text{ANT2 gain}/10)})/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 22, 2025	SR5	23 deg.C	45 %RH	Shiro Kobayashi

11ax-160(OFDMA), 242-tone RU, MIMO

ANT1 + ANT2

Tested Freq.	Seg ment	RU Index	PSD (Conducted)									PSD (e.i.r.p.)								
			Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247			
			ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]		
5250	0	61	0.05	0.08	0.13	-8.85	11.00	19.85	-	-	0.20	0.32	0.52	-2.82	17.00	19.82	10.00	12.82		
	1	64	0.11	0.09	0.20	-6.89	11.00	17.89	-	-	0.46	0.37	0.82	-0.86	17.00	17.86	10.00	10.86		
5570	0	61	0.14	0.13	0.27	-5.74	11.00	16.74	11.00	16.74	0.56	0.51	1.07	0.30	17.00	16.70	-	-		
	1	64	0.11	0.12	0.23	-6.39	11.00	17.39	11.00	17.39	0.43	0.50	0.92	-0.36	17.00	17.36	-	-		

					ANT1						ANT2					
Tested Freq.	Seg ment	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
[MHz]			[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p.	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p.
5250	0	61	0.23	0.00	-24.84	1.65	9.94	6.03	-13.02	-6.99	-22.78	1.61	9.99	6.03	-10.95	-4.92
	1	64	0.23	0.00	-21.26	1.65	9.94	6.03	-9.45	-3.42	-22.24	1.61	9.99	6.03	-10.40	-4.37
5570	0	61	0.23	0.00	-20.39	1.65	9.94	6.03	-8.56	-2.53	-20.79	1.64	10.00	6.03	-8.93	-2.90
	1	64	0.23	0.00	-21.55	1.65	9.94	6.03	-9.73	-3.70	-20.95	1.64	10.00	6.03	-9.08	-3.05

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/10)} + 10^{(\text{ANT2 gain}/10)})/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 22, 2025	SR5	23 deg.C	45 %RH	Shiro Kobayashi

11ax-160(OFDMA), 484-tone RU, MIMO

ANT1 + ANT2

Tested Freq.	Seg ment	RU Index	PSD (Conducted)										PSD (e.i.r.p.)													
			Antenna			Result			FCC 15.407			RSS-247			Antenna			Result			FCC 15.407			RSS-247		
			ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]	ANT1 [mW/MHz]	ANT2 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Limit [dBm/MHz]	Margin [dB]
5250	0	65	0.03	0.05	0.08	-11.01	11.00	22.01	-	-	0.12	0.20	0.32	-4.98	17.00	21.98	10.00	14.98								
	1	66	0.07	0.05	0.12	-9.27	11.00	20.27	-	-	0.26	0.21	0.47	-3.24	17.00	20.24	10.00	13.24								
5570	0	65	0.08	0.06	0.14	-8.54	11.00	19.54	11.00	19.54	0.31	0.25	0.56	-2.51	17.00	19.51	-	-								
	1	66	0.06	0.07	0.12	-9.11	11.00	20.11	11.00	20.11	0.22	0.27	0.49	-3.08	17.00	20.08	-	-								

					ANT1						ANT2					
Tested Freq.	Seg ment	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
[MHz]			[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p. [dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p. [dBm/MHz]
5250	0	65	0.23	0.00	-27.03	1.65	9.94	6.03	-15.21	-9.18	-24.91	1.61	9.99	6.03	-13.08	-7.05
	1	66	0.23	0.00	-23.65	1.65	9.94	6.03	-11.83	-5.80	-24.61	1.61	9.99	6.03	-12.78	-6.75
5570	0	65	0.23	0.00	-22.90	1.65	9.94	6.03	-11.07	-5.04	-23.95	1.64	10.00	6.03	-12.08	-6.05
	1	66	0.23	0.00	-24.40	1.65	9.94	6.03	-12.57	-6.54	-23.57	1.64	10.00	6.03	-11.71	-5.66

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/10)} + 10^{(\text{ANT2 gain}/10)})/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 22, 2025	SR5	23 deg.C	45 %RH	Shiro Kobayashi

11ax-160(OFDMA), 996-tone RU, MIMO

ANT1 + ANT2

Tested Freq.	Seg ment	RU Index	PSD (Conducted)									PSD (e.i.r.p.)								
			Antenna			Result	FCC 15.407		RSS-247		Antenna			Result	FCC 15.407		RSS-247			
			ANT1	ANT2	Sum		Limit	Margin	Limit	Margin	ANT1	ANT2	Sum		Limit	Margin	Limit	Margin		
[MHz]			[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]		
5250	0	67	0.01	0.03	0.04	-14.30	11.00	25.30	-	-	0.04	0.11	0.15	-8.27	17.00	25.27	10.00	18.27		
	1	67	0.02	0.03	0.04	-13.48	11.00	24.48	-	-	0.06	0.12	0.18	-7.45	17.00	24.45	10.00	17.45		
5570	0	67	0.03	0.03	0.06	-11.95	11.00	22.95	11.00	22.95	0.12	0.14	0.26	-5.92	17.00	22.92	-	-		
	1	67	0.03	0.04	0.06	-11.91	11.00	22.91	11.00	22.91	0.11	0.15	0.26	-5.88	17.00	22.88	-	-		

					ANT1					ANT2						
Tested Freq.	Seg ment	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
[MHz]			[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p. [dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p. [dBm/MHz]
5250	0	67	0.23	0.00	-31.57	1.65	9.94	6.03	-19.75	-13.72	-27.58	1.61	9.99	6.03	-15.75	-9.72
	1	67	0.23	0.00	-29.79	1.65	9.94	6.03	-17.98	-11.95	-27.22	1.61	9.99	6.03	-15.38	-9.35
5570	0	67	0.23	0.00	-27.21	1.65	9.94	6.03	-15.38	-9.35	-26.43	1.64	10.00	6.03	-14.57	-8.54
	1	67	0.23	0.00	-27.33	1.65	9.94	6.03	-15.51	-9.48	-26.26	1.64	10.00	6.03	-14.39	-8.36

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/10)} + 10^{(\text{ANT2 gain}/10)})/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

Maximum Power Spectral Density

Mode	Tx
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Date	Test Place	Temperature	Humidity	Engineer
January 22, 2025	SR5	23 deg.C	45 %RH	Shiro Kobayashi

11ax-160(OFDMA), 2x996-tone RU, MIMO

ANT1 + ANT2

Tested Freq.	RU Index	PSD (Conducted)										PSD (e.i.r.p.)									
		Antenna			Result	FCC 15.407			RSS-247			Antenna			Result	FCC 15.407			RSS-247		
		ANT1	ANT2	Sum		Limit	Margin	Limit	Margin	ANT1	ANT2	Sum	Limit	Margin		Limit	Margin				
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dBm/MHz]	[dB]		
5250	68	0.01	0.02	0.03	-15.68	11.00	26.68	-	-	0.04	0.07	0.11	-9.65	17.00	26.65	10.00	19.65				
5570	68	0.02	0.02	0.03	-14.78	11.00	25.78	11.00	25.78	0.06	0.07	0.13	-8.75	17.00	25.75	-	-				

Tested Freq. [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	ANT1				ANT2				PSD Result				PSD Result			
				PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Cond. [dBm/MHz]	e.i.r.p. [dBm/MHz]	Cond. [dBm/MHz]	e.i.r.p. [dBm/MHz]	Cond. [dBm/MHz]	e.i.r.p. [dBm/MHz]	Cond. [dBm/MHz]	e.i.r.p. [dBm/MHz]
5250	68	0.26	0.00	-31.99	1.65	9.94	6.03	-20.14	-14.11	-29.47	1.61	9.99	6.03	-17.60	-11.57	-17.60	-11.57	-17.60	-11.57
5570	68	0.26	0.00	-29.85	1.65	9.94	6.03	-18.00	-11.97	-29.48	1.64	10.00	6.03	-17.59	-11.56	-17.59	-11.56	-17.59	-11.56

Sample Calculation:

PSD: Power Spectral Density

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

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

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

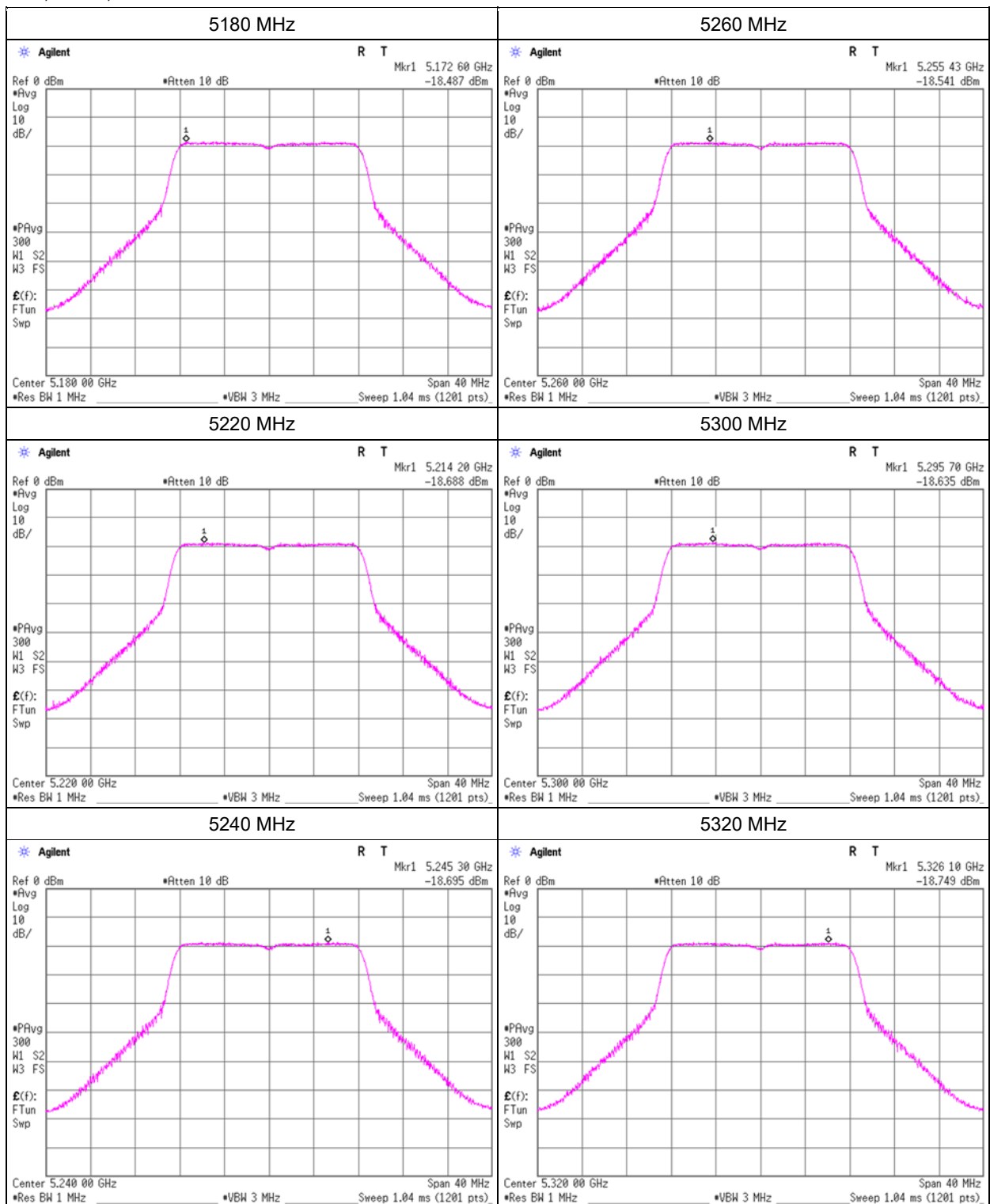
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

Directional Gain = $10 \log((10^{(\text{ANT1 gain}/10)} + 10^{(\text{ANT2 gain}/10)})/2)$

Although the EUT operates on Master mode, more stringent limit for Client device was applied. (U-NII-1 for FCC)

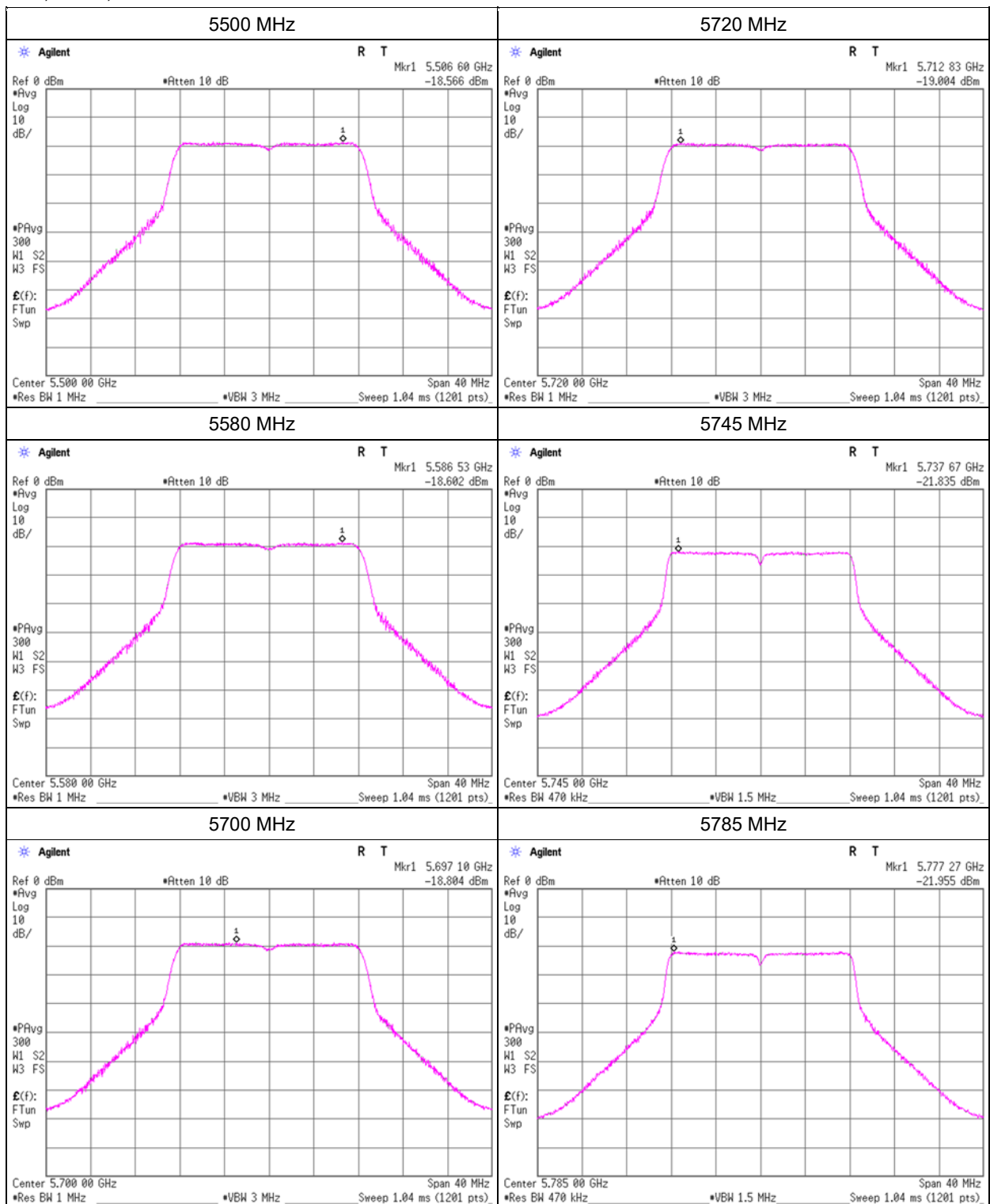
Maximum Power Spectral Density

11a, MIMO, ANT1



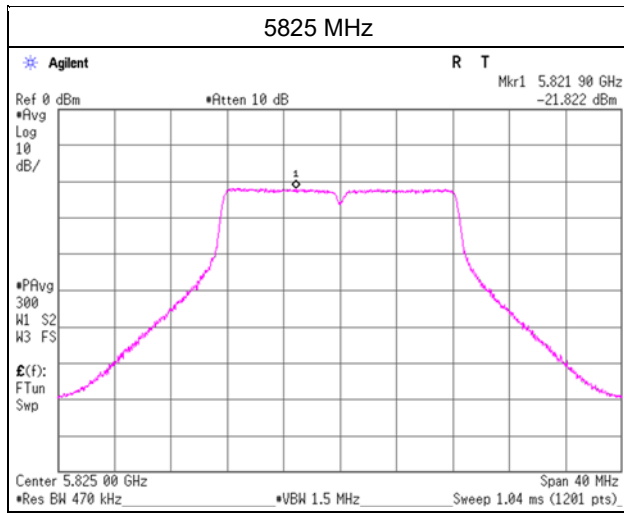
Maximum Power Spectral Density

11a, MIMO, ANT1



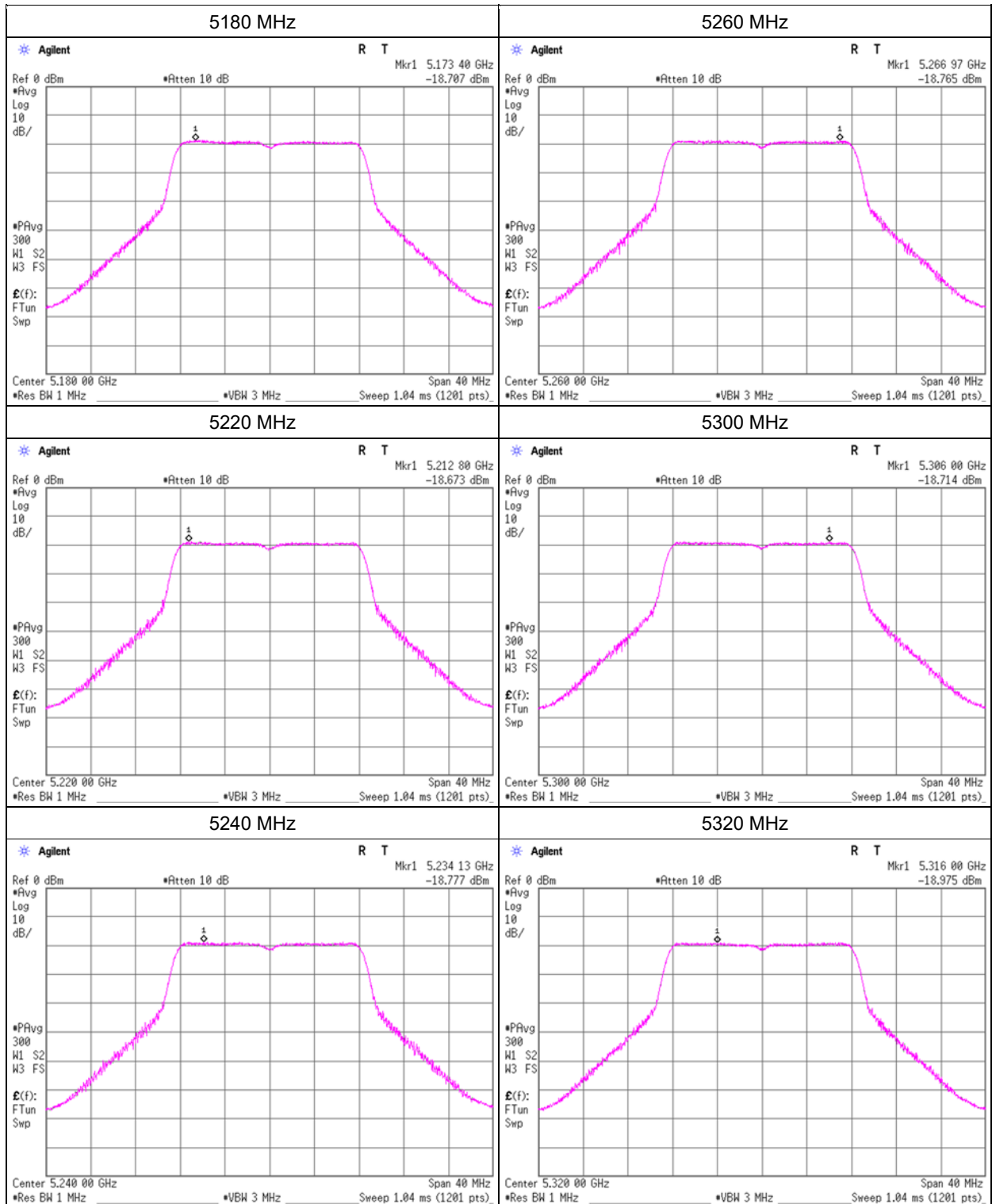
Maximum Power Spectral Density

11a, MIMO, ANT1



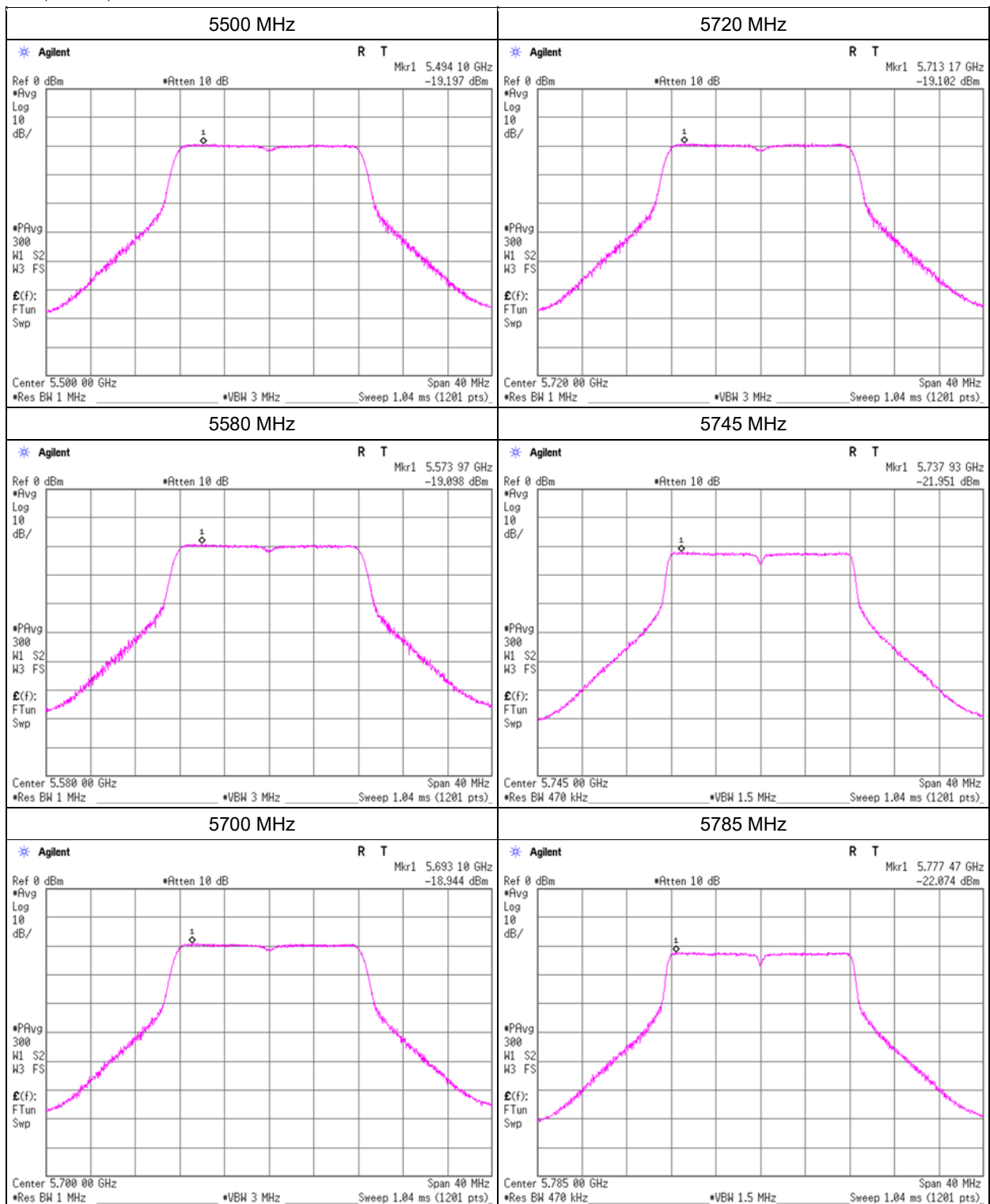
Maximum Power Spectral Density

11a, MIMO, ANT2



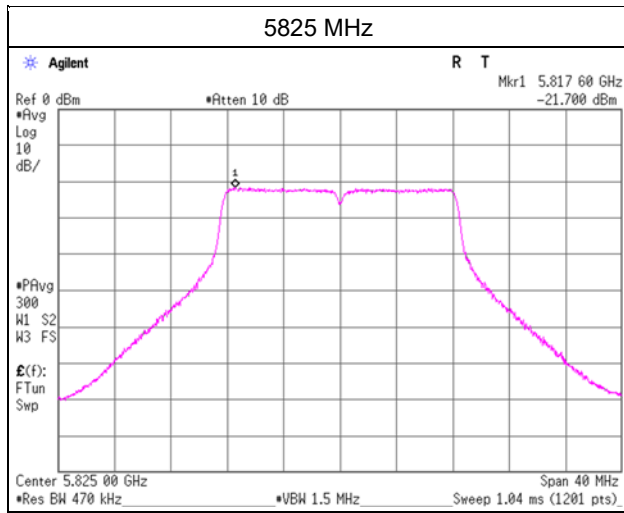
Maximum Power Spectral Density

11a, MIMO, ANT2



Maximum Power Spectral Density

11a, MIMO, ANT2



Maximum Power Spectral Density

11ac-20, MIMO, ANT1

