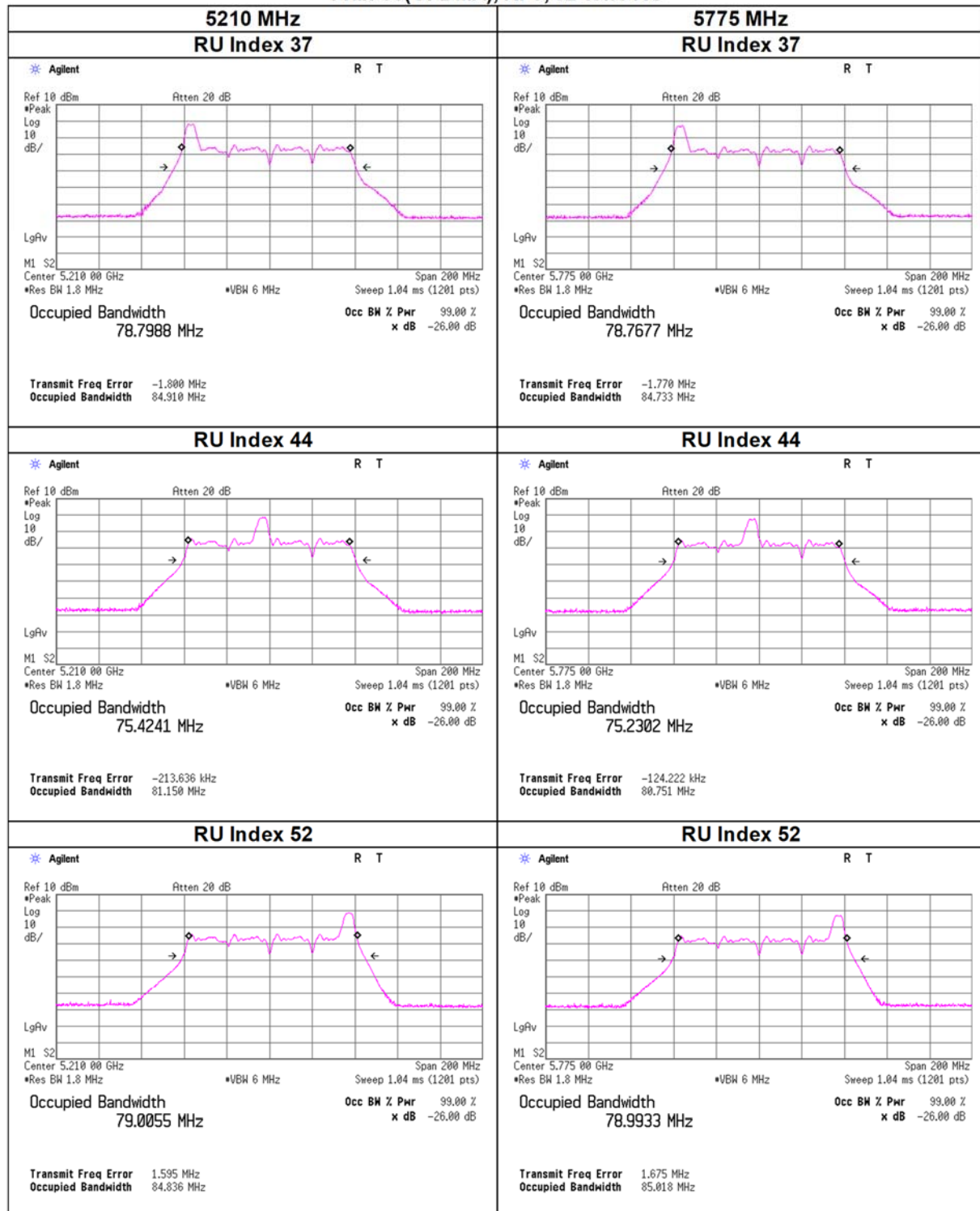


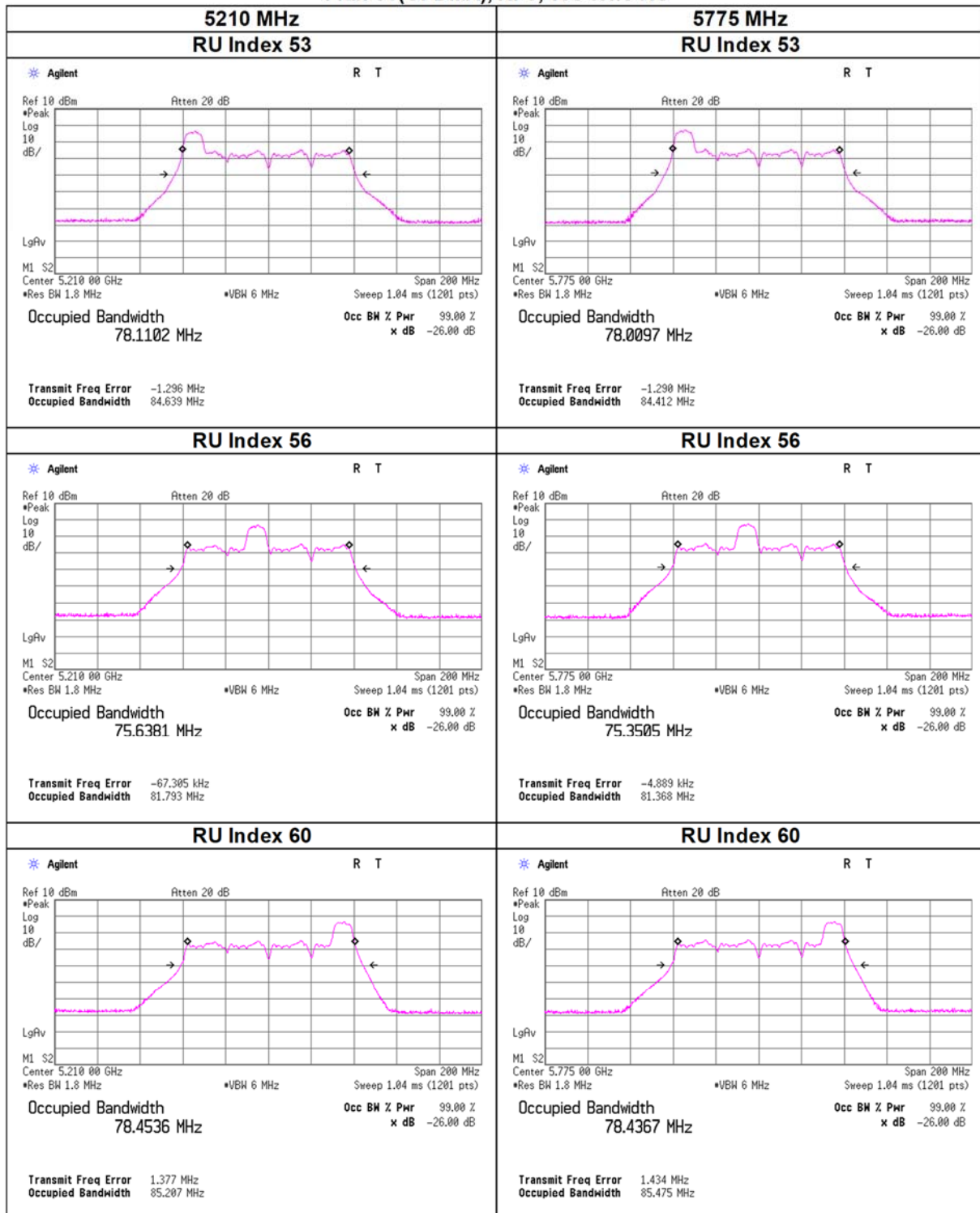
99 % Occupied Bandwidth

11ax-80(OFDMA), RF0, 52-tone RU



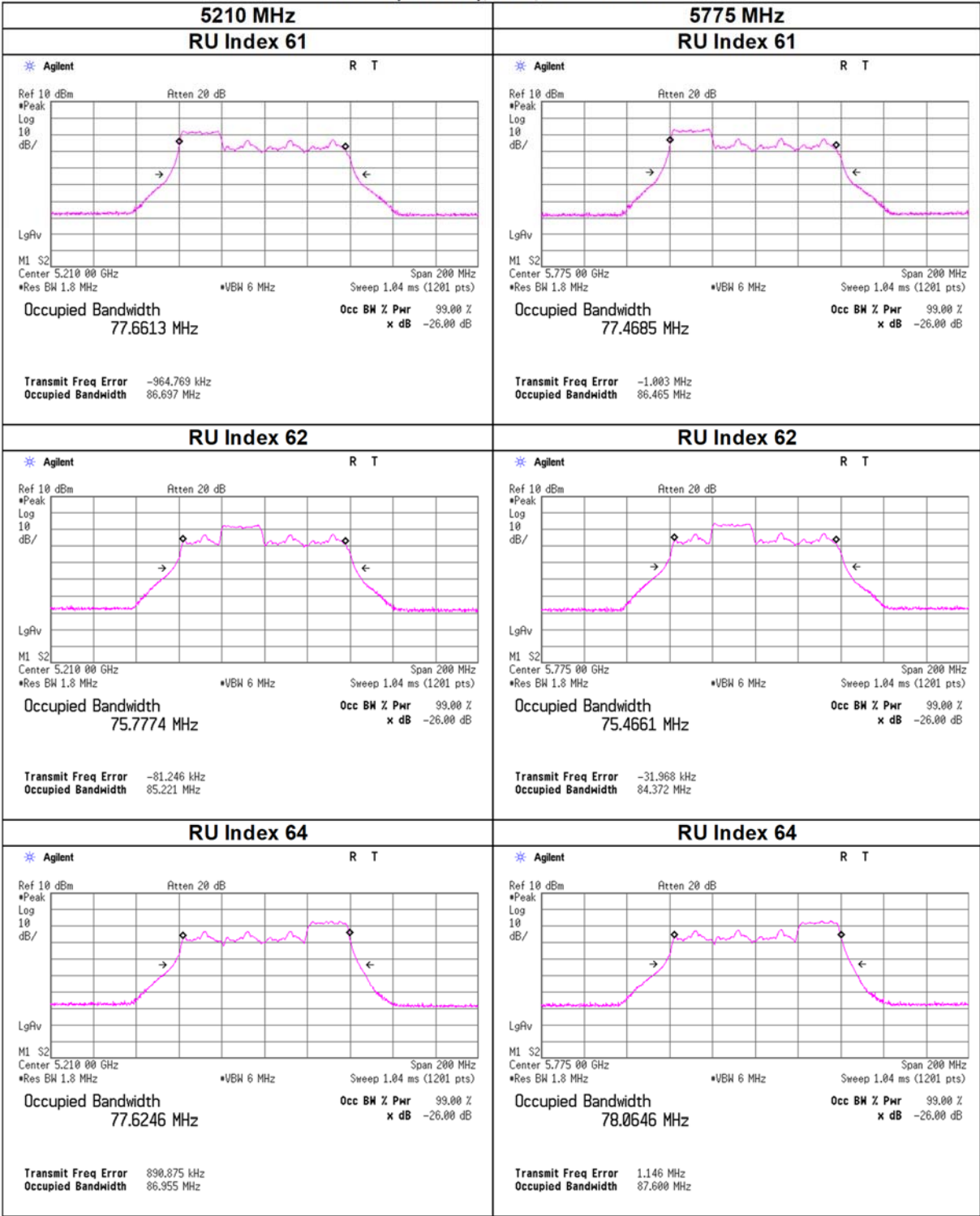
99 % Occupied Bandwidth

11ax-80(OFDMA), RF0, 106-tone RU



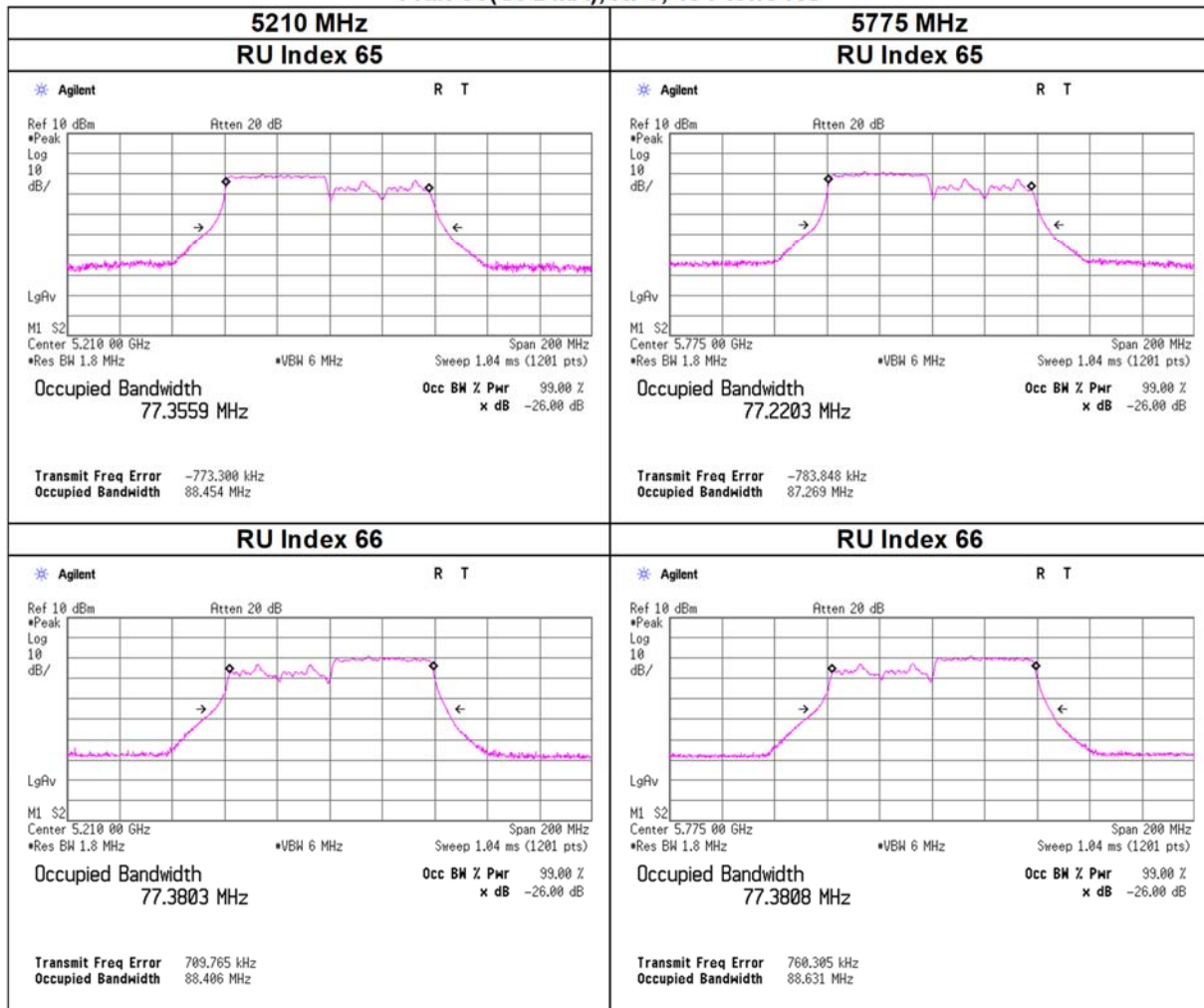
99 % Occupied Bandwidth

11ax-80(OFDMA), RF0, 242-tone RU

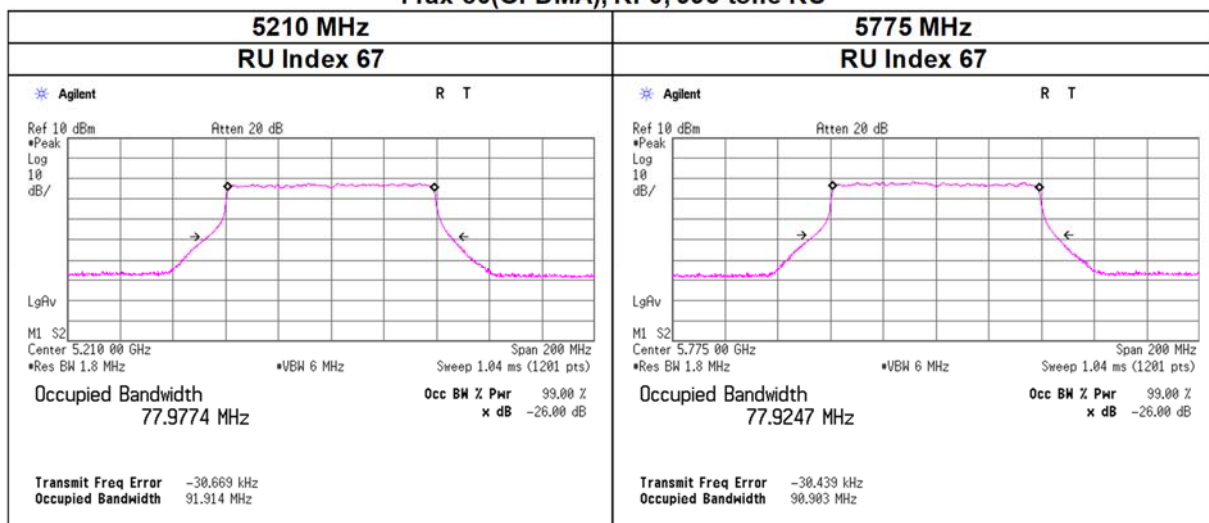


99 % Occupied Bandwidth

11ax-80(OFDMA), RF0, 484-tone RU



11ax-80(OFDMA), RF0, 996-tone RU



6 dB Bandwidth

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 24, 2023
Temperature / Humidity 25 deg. C / 25 % RH
Engineer Shiro Kobayashi
Mode Tx

11a

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
RF1	5745	16.484	> 0.500
	5785	16.490	> 0.500
	5825	16.487	> 0.500

11n-20

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
RF1	5745	17.749	> 0.500
	5785	17.759	> 0.500
	5825	17.751	> 0.500

11ac-20

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
RF1	5745	17.755	> 0.500
	5785	17.752	> 0.500
	5825	17.755	> 0.500

11ax-20 (OFDM)

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
RF1	5745	19.119	> 0.500
	5785	19.119	> 0.500
	5825	19.126	> 0.500

6 dB Bandwidth

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.5 Shielded Room
May 8, 2023
26 deg. C / 35 % RH
Shiro Kobayashi
Tx

11ax-20(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF1	26-tone RU	5745	0	2.061	> 0.500
			4	2.627	> 0.500
			8	2.061	> 0.500
		5785	0	2.067	> 0.500
			4	2.630	> 0.500
			8	2.062	> 0.500
		5825	0	2.074	> 0.500
			4	2.632	> 0.500
			8	2.064	> 0.500

11ax-20(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF1	52-tone RU	5745	37	4.087	> 0.500
			38	4.064	> 0.500
			40	4.066	> 0.500
		5785	37	4.086	> 0.500
			38	4.064	> 0.500
			40	4.063	> 0.500
		5825	37	4.090	> 0.500
			38	4.063	> 0.500
			40	4.065	> 0.500

11ax-20(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF1	106-tone RU	5745	53	8.393	> 0.500
			54	8.386	> 0.500
		5785	53	8.394	> 0.500
			54	8.385	> 0.500
		5825	53	8.396	> 0.500
			54	8.399	> 0.500

6 dB Bandwidth

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.5 Shielded Room
April 24, 2023
25 deg. C / 25 % RH
Shiro Kobayashi
Tx

May 8, 2023
26 deg. C / 35 % RH
Shiro Kobayashi

11ax-20(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF1	242-tone RU	5745	61	19.147	> 0.500
		5785	61	19.145	> 0.500
		5825	61	19.111	> 0.500

11n-40

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	5755	36.511	> 0.500
	5795	36.517	> 0.500

11ac-40

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	5755	36.532	> 0.500
	5795	36.524	> 0.500

11ax-40(OFDM)

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
RF1	5755	38.328	> 0.500
	5795	38.322	> 0.500

6 dB Bandwidth

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.5 Shielded Room
May 8, 2023
26 deg. C / 35 % RH
Shiro Kobayashi
Tx

11ax-40(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	26-tone RU	5755	0	2.073	> 0.500
			8	2.074	> 0.500
			17	2.067	> 0.500
		5795	0	2.073	> 0.500
			8	2.075	> 0.500
			17	2.067	> 0.500

11ax-40(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	52-tone RU	5755	37	4.090	> 0.500
			40	4.066	> 0.500
			44	4.080	> 0.500
		5795	37	4.090	> 0.500
			40	4.070	> 0.500
			44	4.092	> 0.500

11ax-40(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	106-tone RU	5755	53	8.307	> 0.500
			54	8.491	> 0.500
			56	8.309	> 0.500
		5795	53	8.293	> 0.500
			54	8.510	> 0.500
			56	8.305	> 0.500

6 dB Bandwidth

Test place	Shonan EMC Lab. No.5 Shielded Room	
Date	April 24, 2023	May 8, 2023
Temperature / Humidity	25 deg. C / 25 % RH	26 deg. C / 35 % RH
Engineer	Shiro Kobayashi	Shiro Kobayashi
Mode	Tx	

11ax-40(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	242-tone RU	5755	61	18.880	> 0.500
			62	18.871	> 0.500
		5795	61	18.882	> 0.500
			62	18.884	> 0.500

11ax-40(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	484-tone RU	5755	65	38.243	> 0.500
		5795	65	38.235	> 0.500

11ac-80

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	5775	76.581	> 0.500

11ax-80(OFDM)

Antenna	Tested Frequency [MHz]	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	5775	78.315	> 0.500

11ax-80(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	26-tone RU	5775	0	2.031	> 0.500
			18	2.618	> 0.500
			36	2.078	> 0.500

6 dB Bandwidth

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 8, 2023
Temperature / Humidity 26 deg. C / 35 % RH
Engineer Shiro Kobayashi
Mode Tx

11ax-80(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	52-tone RU	5775	37	4.107	> 0.500
			44	4.095	> 0.500
			52	4.109	> 0.500

11ax-80(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	106-tone RU	5775	53	8.270	> 0.500
			56	8.295	> 0.500
			60	8.286	> 0.500

11ax-80(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	242-tone RU	5775	61	18.933	> 0.500
			62	18.916	> 0.500
			64	18.942	> 0.500

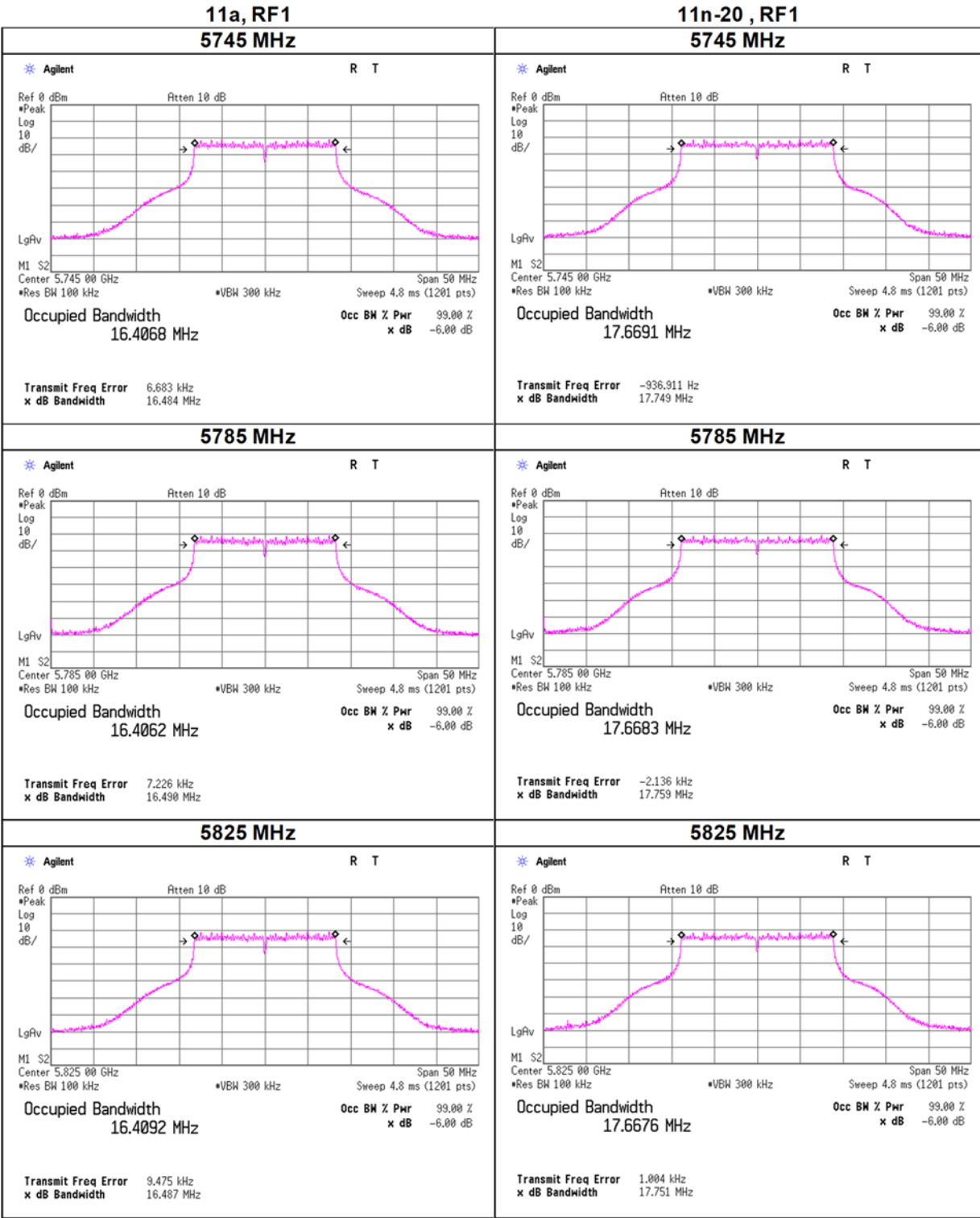
11ax-80(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	484-tone RU	5775	65	37.817	> 0.500
			66	37.804	> 0.500

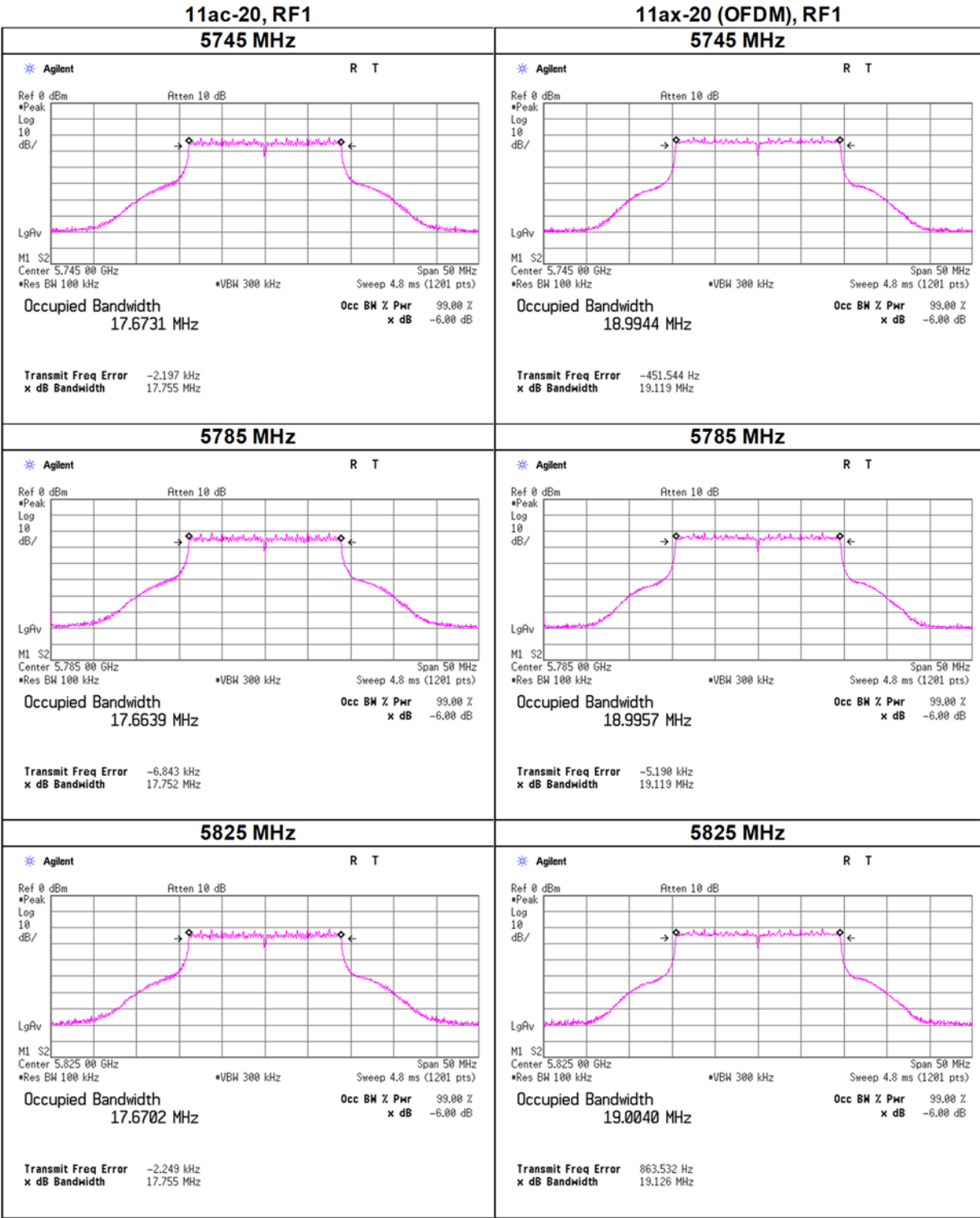
11ax-80(OFDMA)

Antenna	RU Type	Tested Frequency [MHz]	RU Index	6 dB Bandwidth [MHz]	Limit [MHz]
RF0	996-tone RU	5775	67	78.129	> 0.500

6 dB Bandwidth

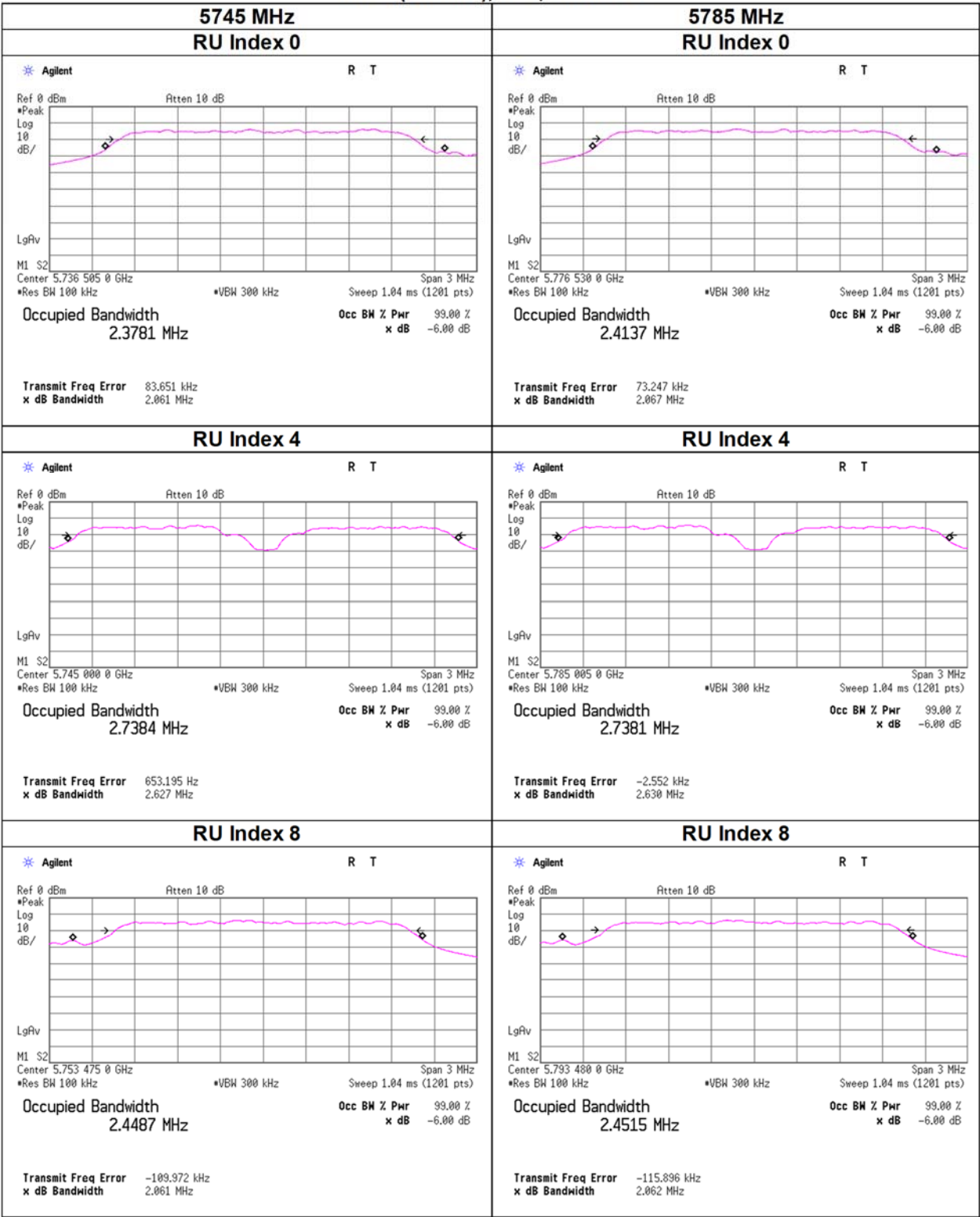


6 dB Bandwidth

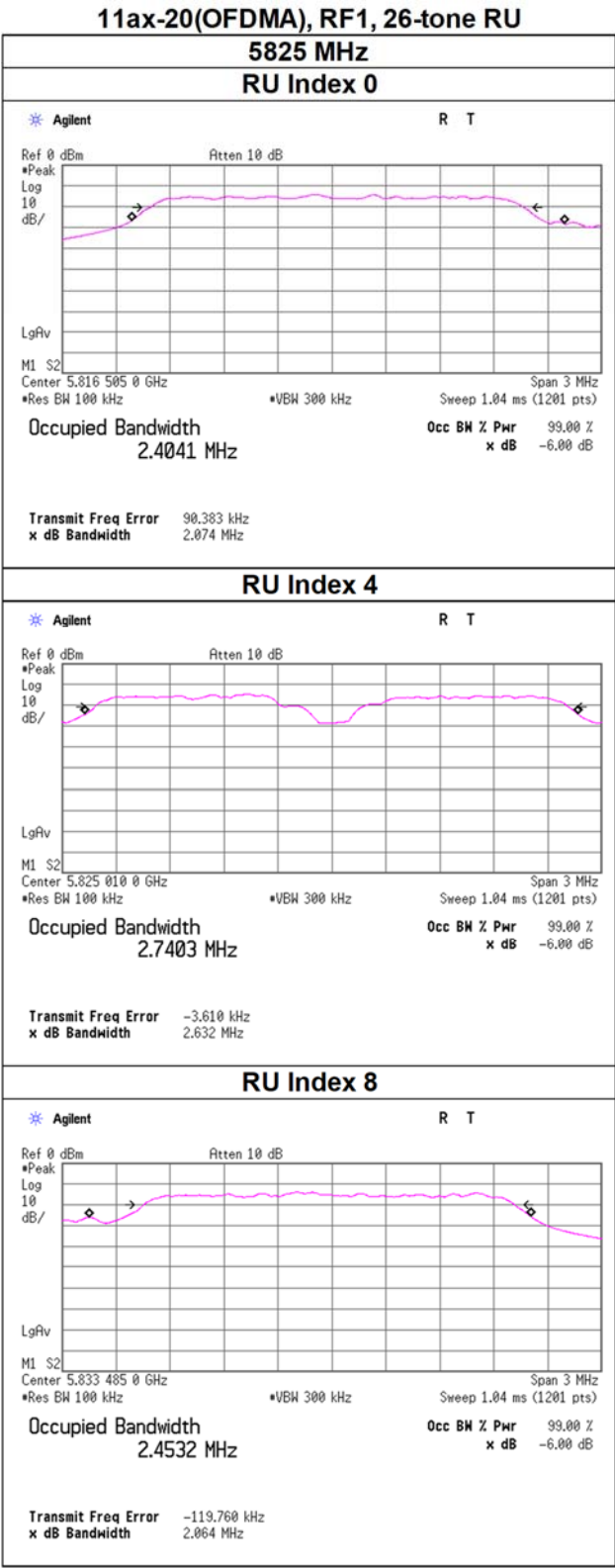


6 dB Bandwidth

11ax-20(OFDMA), RF1, 26-tone RU

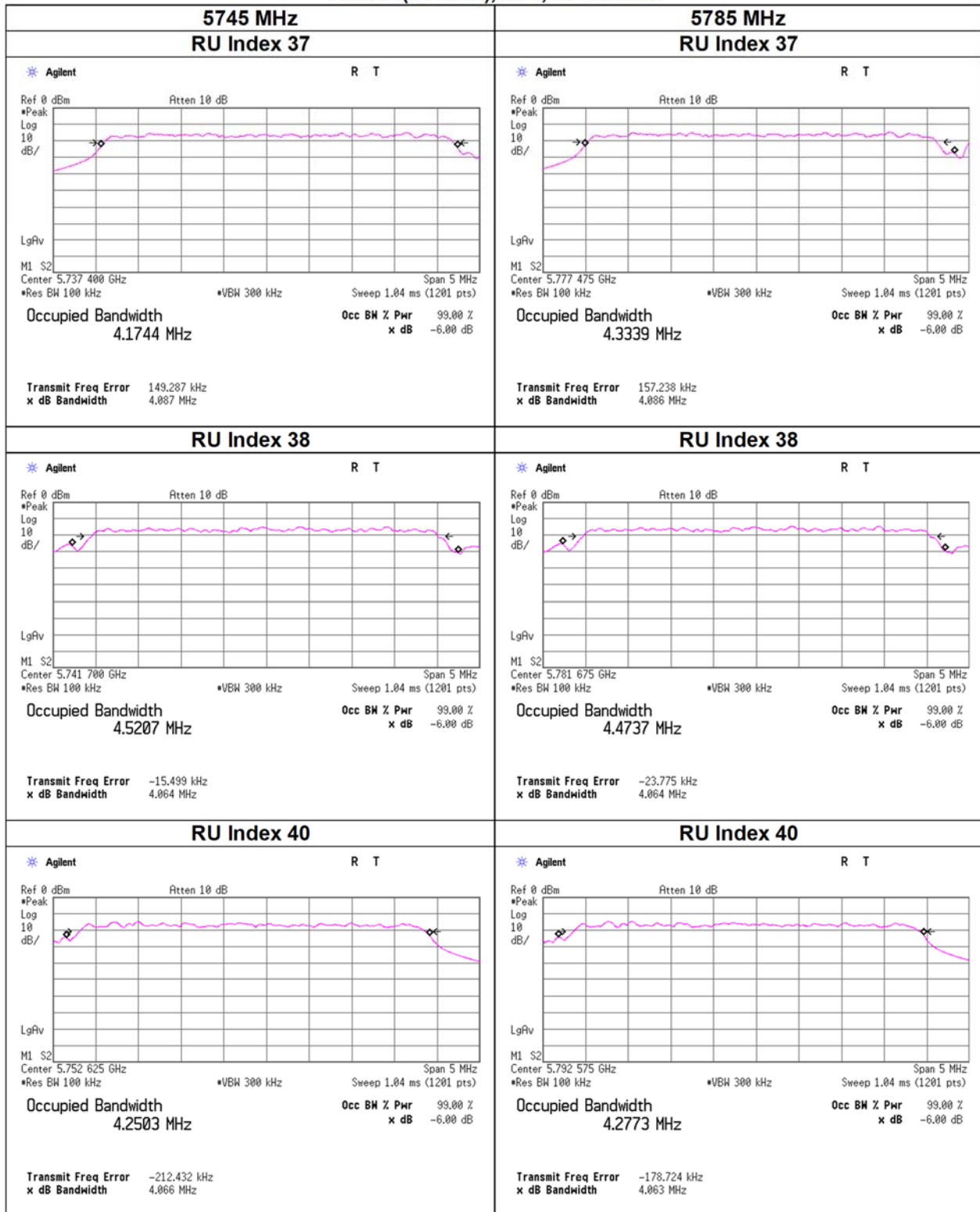


6 dB Bandwidth



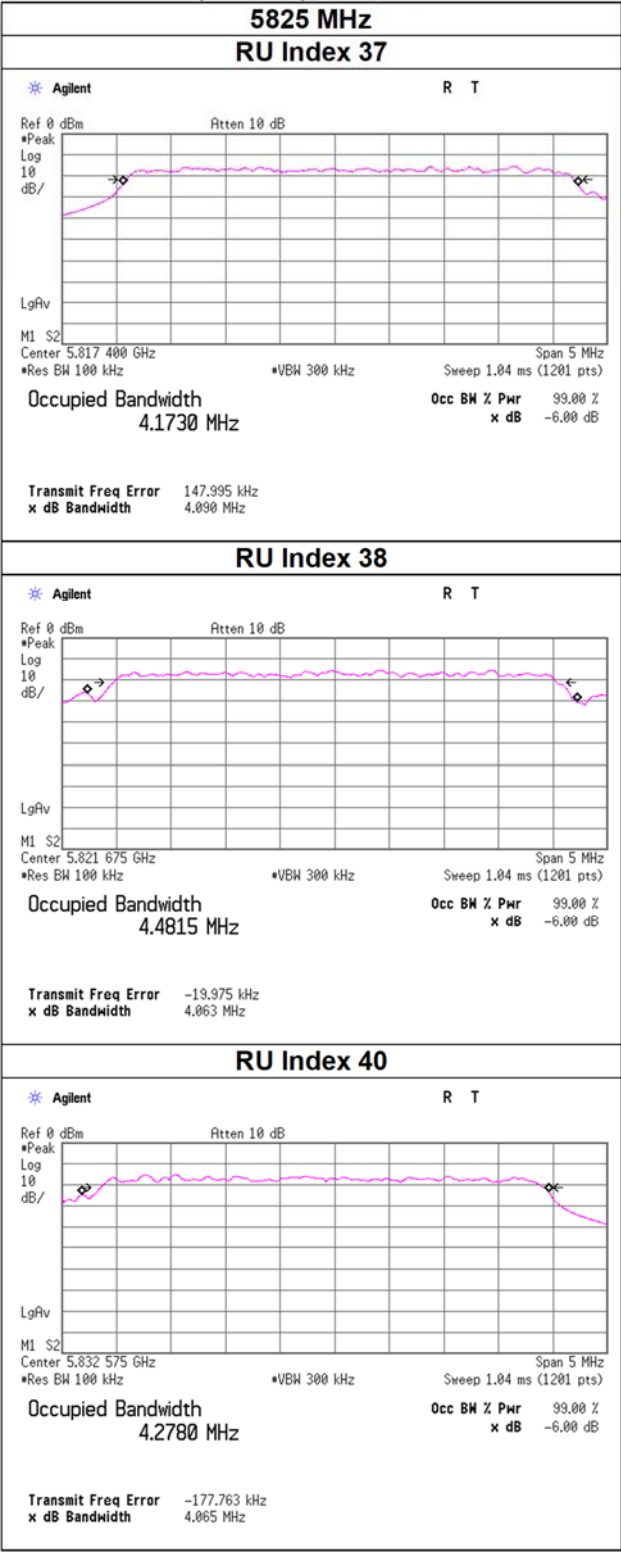
6 dB Bandwidth

11ax-20(OFDMA), RF1, 52-tone RU



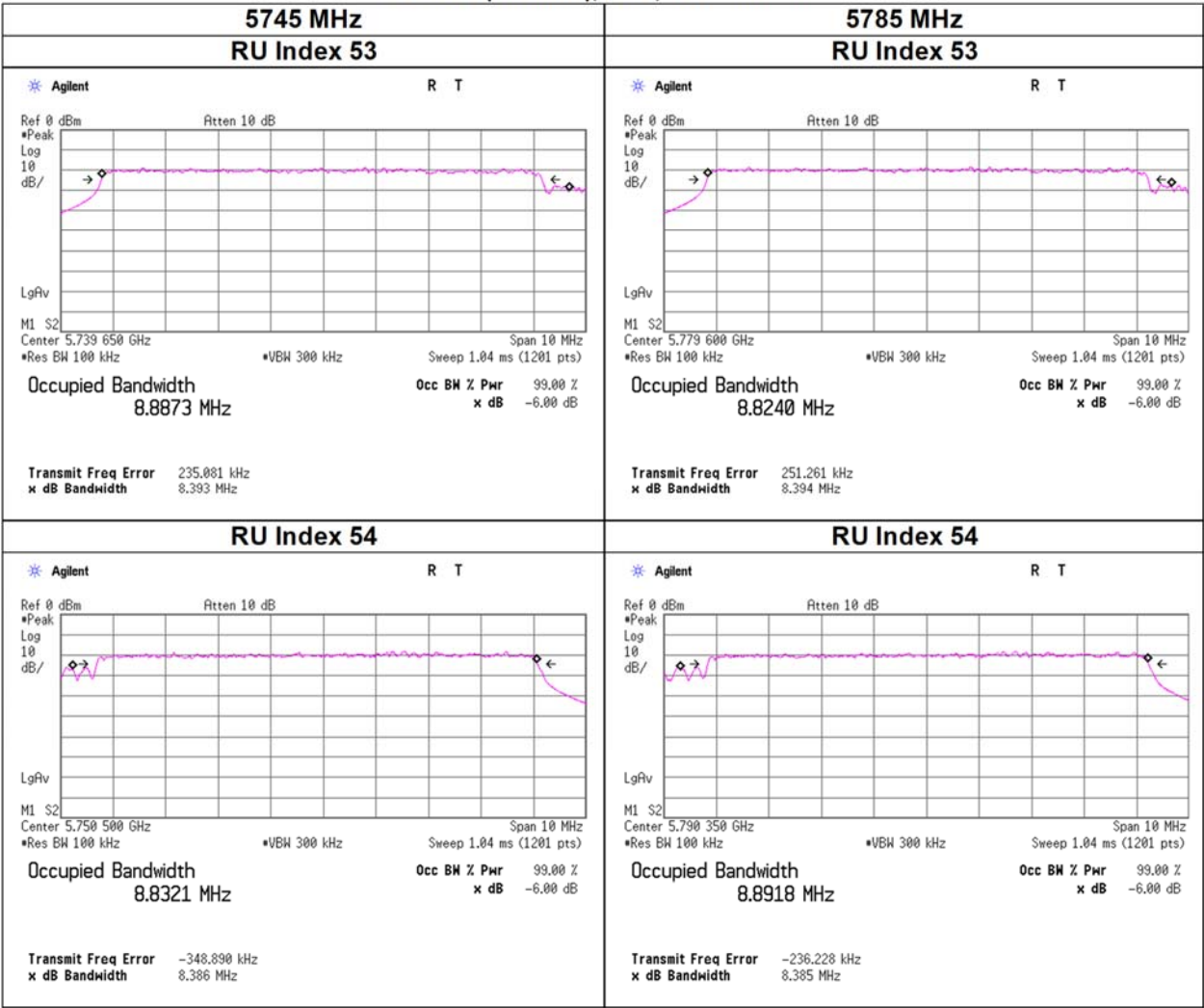
6 dB Bandwidth

11ax-20(OFDMA), RF1, 52-tone RU



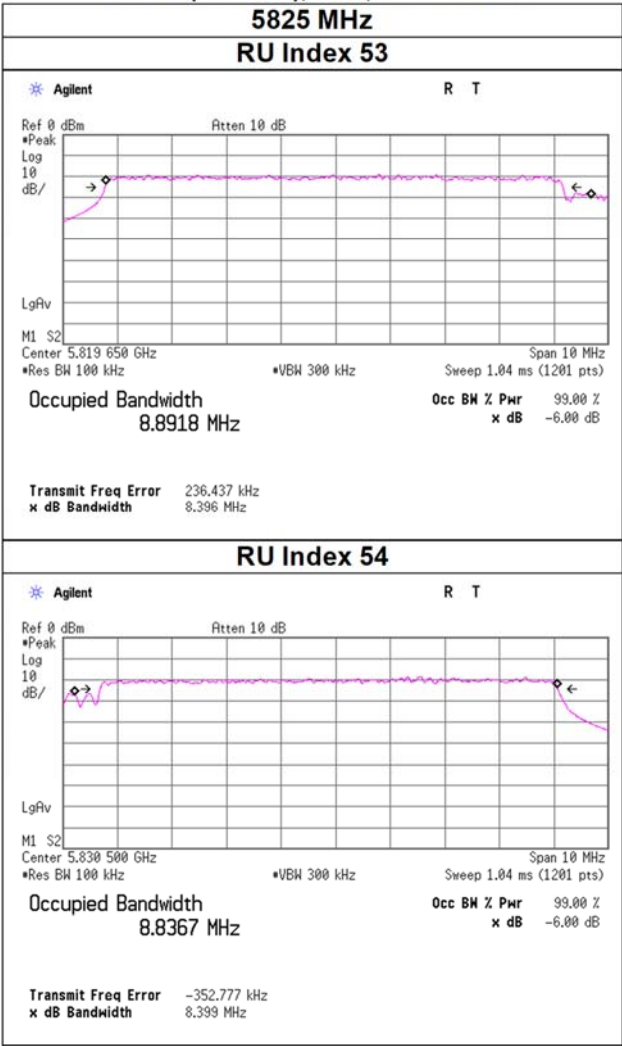
6 dB Bandwidth

11ax-20(OFDMA), RF1, 106-tone RU



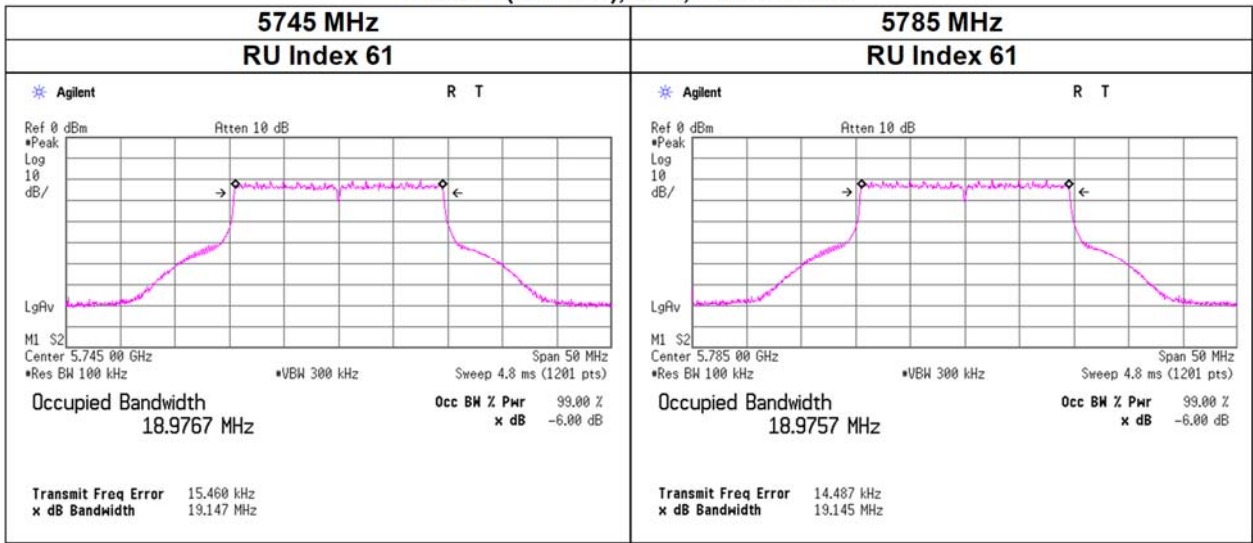
6 dB Bandwidth

11ax-20(OFDMA), RF1, 106-tone RU
5825 MHz
RU Index 53

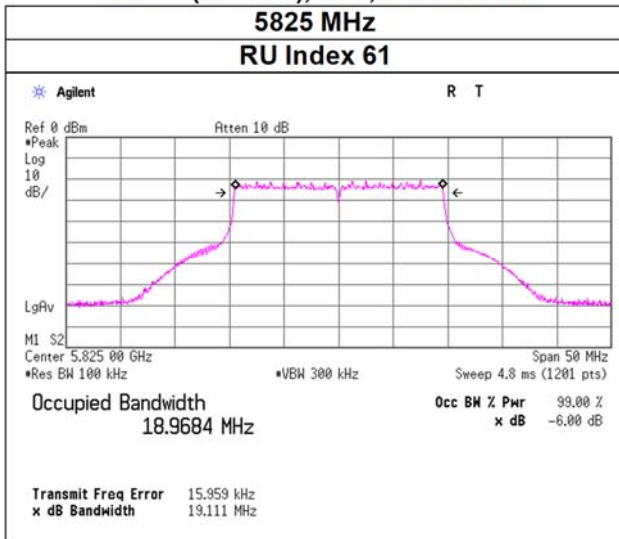


6 dB Bandwidth

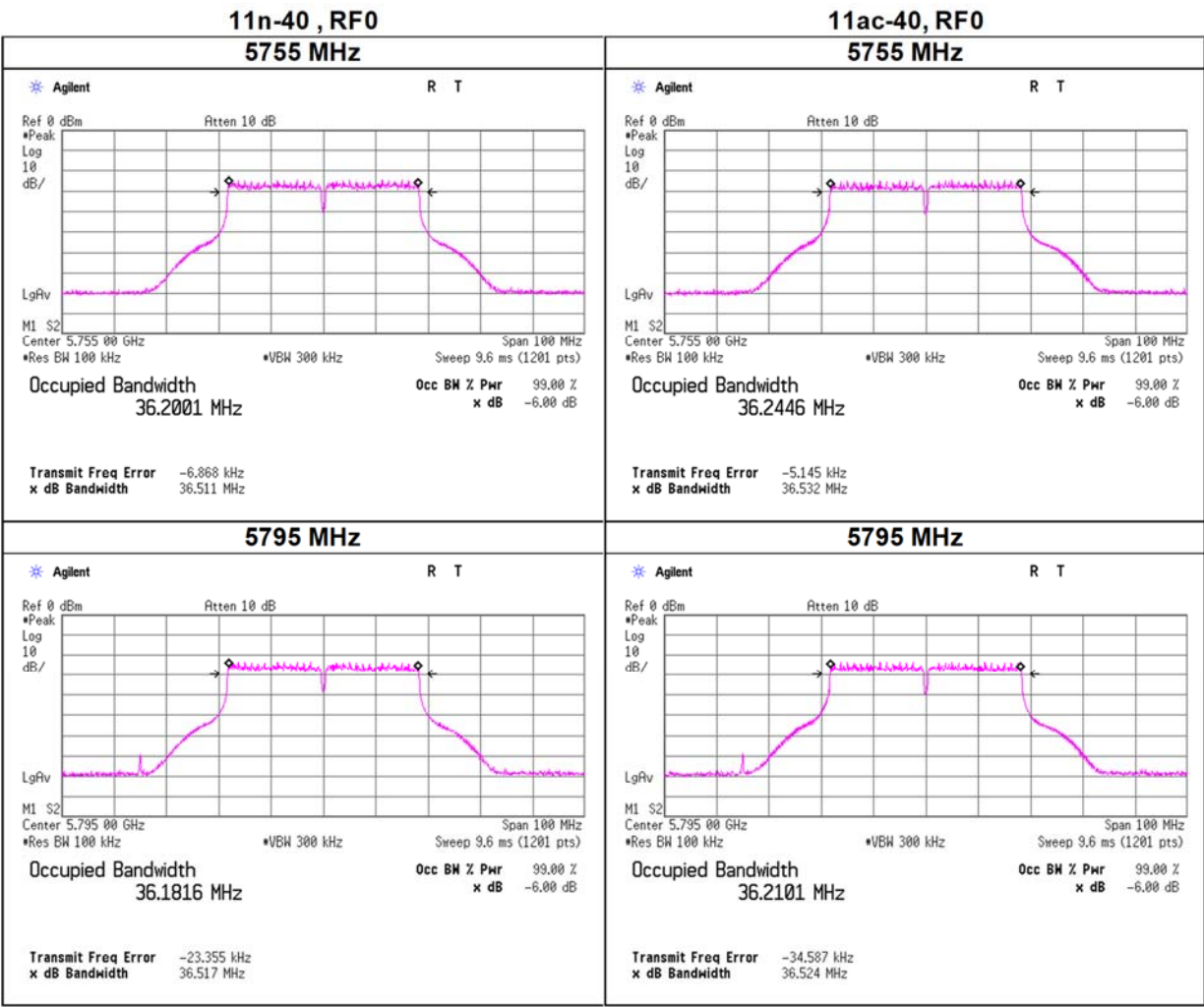
11ax-20(OFDMA), RF1, 242-tone RU



11ax-20(OFDMA), RF1, 242-tone RU

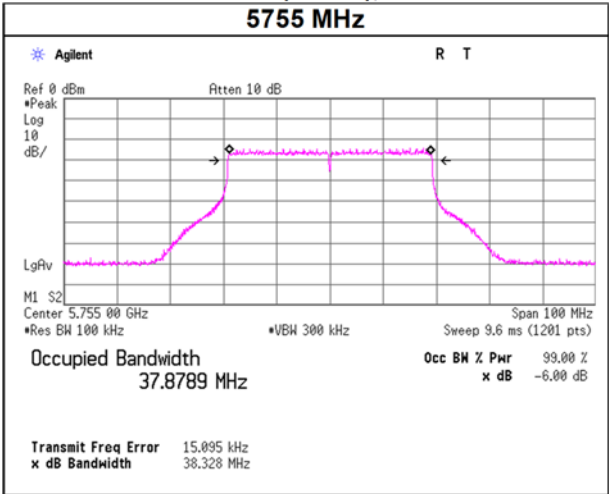


6 dB Bandwidth

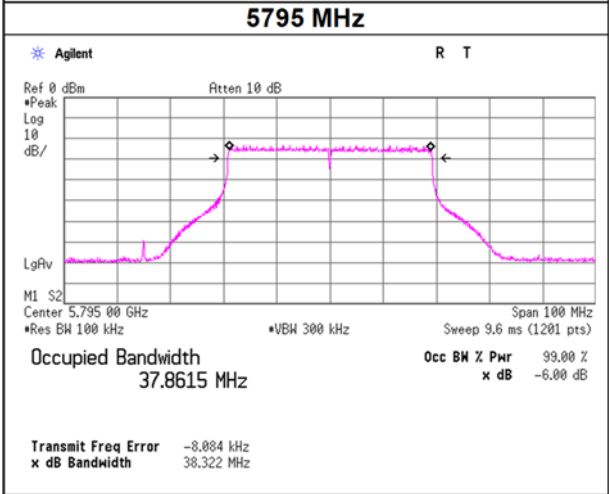


6 dB Bandwidth

11ax-40 (OFDM), RF0
5755 MHz

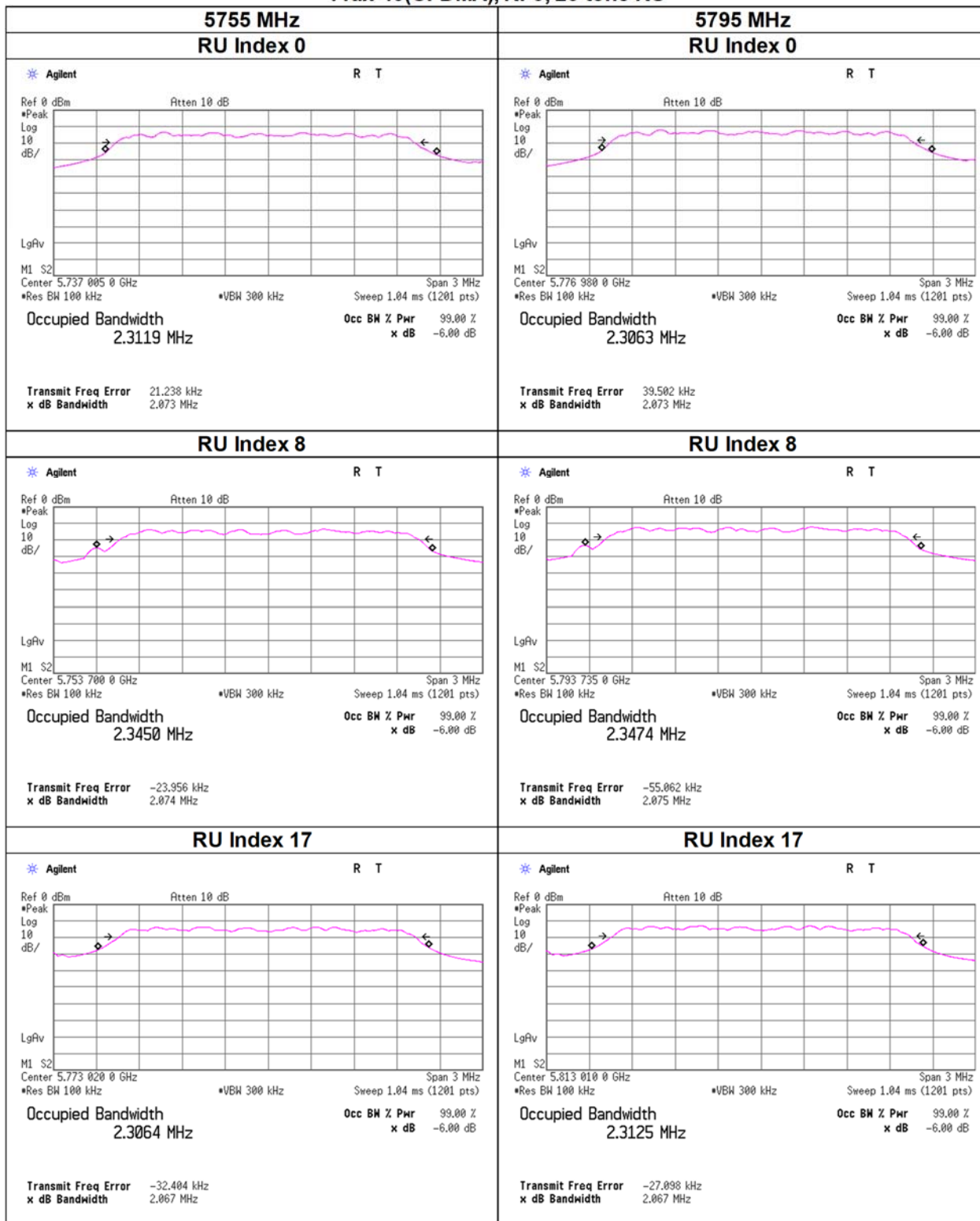


5795 MHz



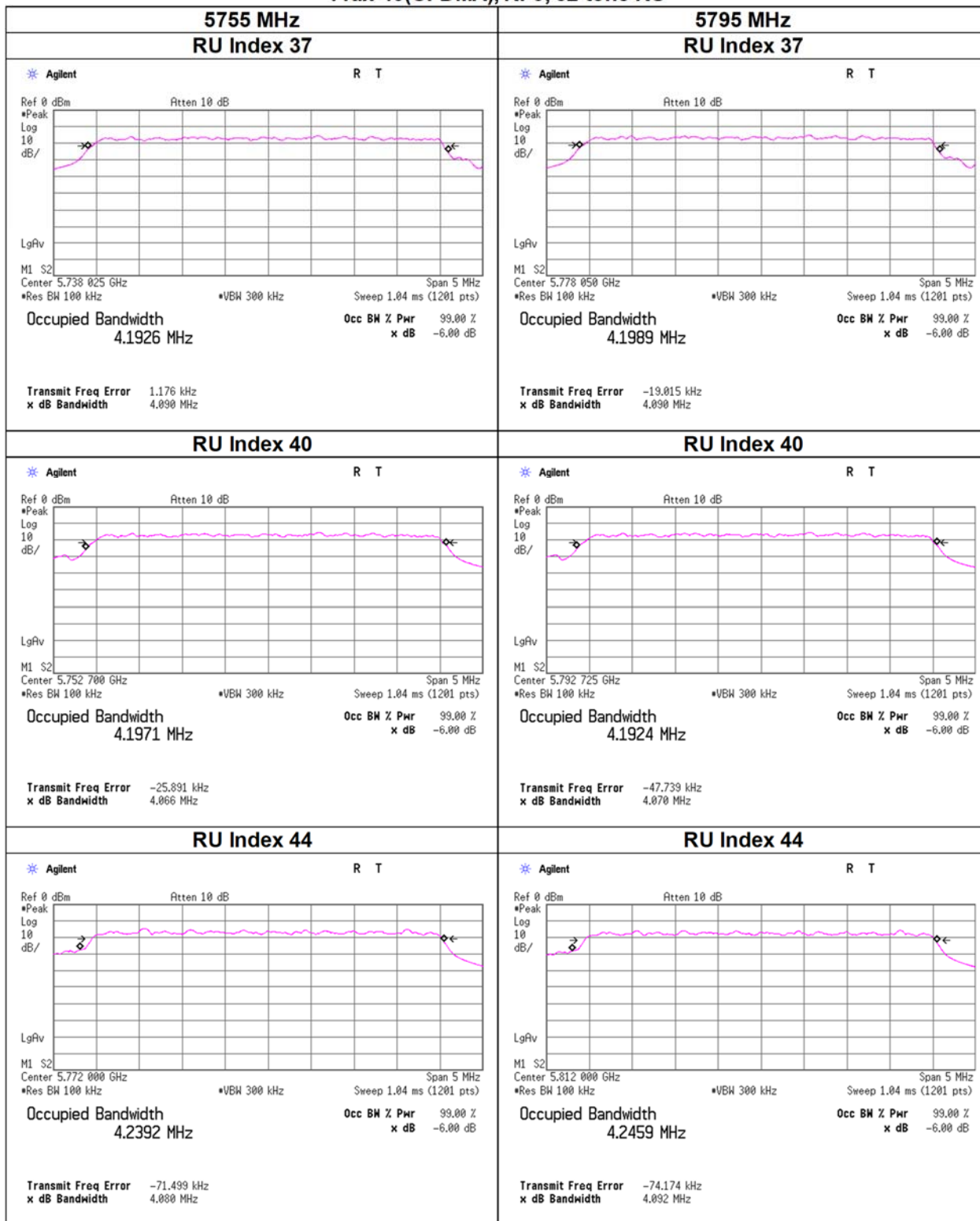
6 dB Bandwidth

11ax-40(OFDMA), RF0, 26-tone RU



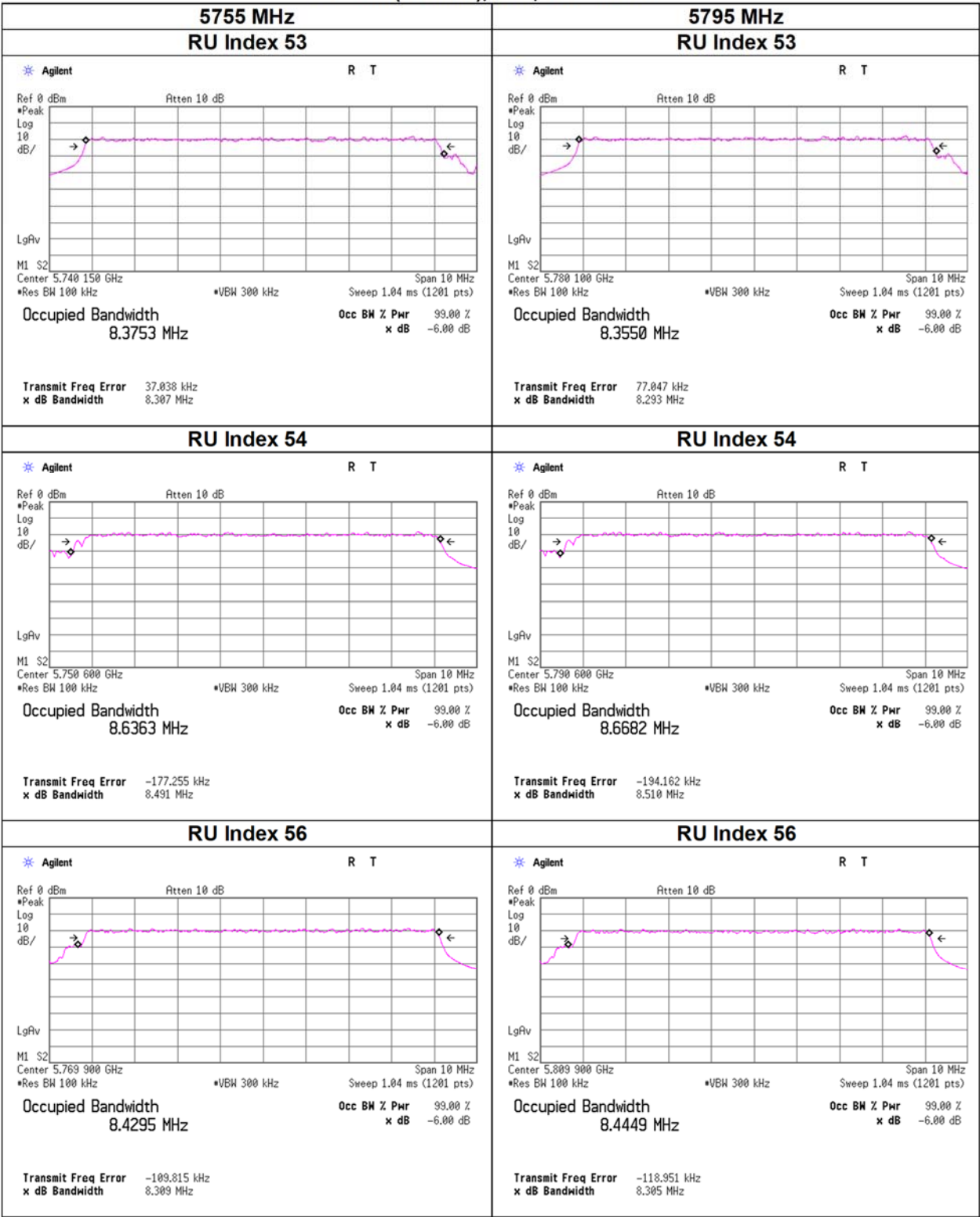
6 dB Bandwidth

11ax-40(OFDMA), RF0, 52-tone RU



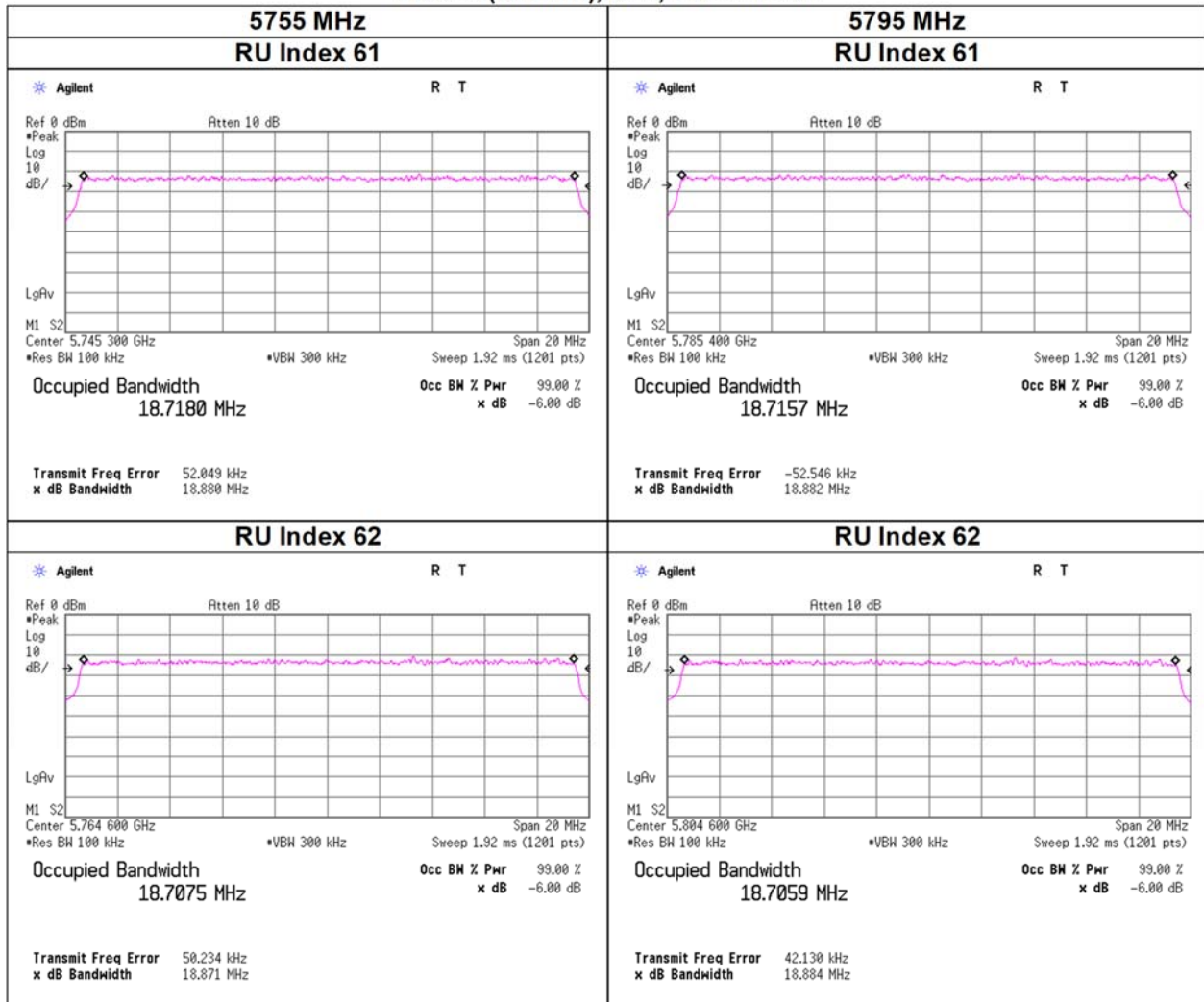
6 dB Bandwidth

11ax-40(OFDMA), RF0, 106-tone RU

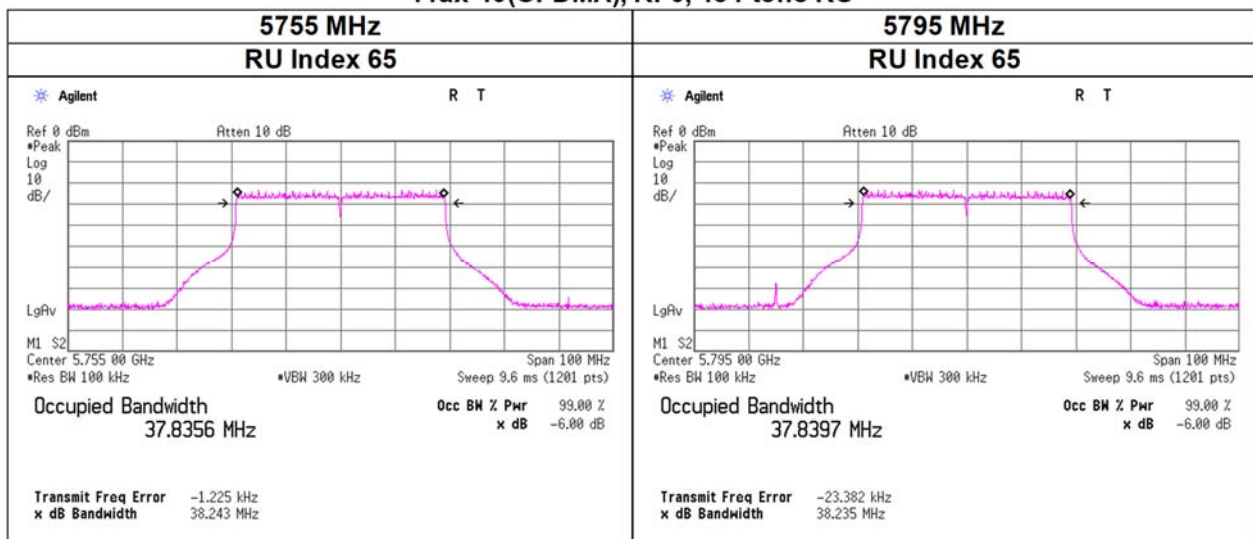


6 dB Bandwidth

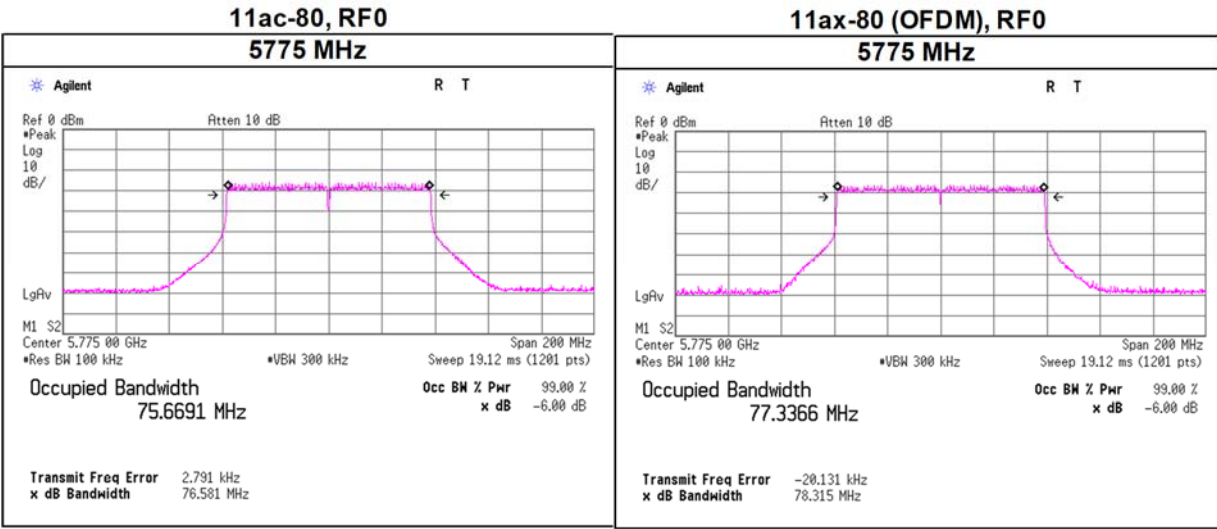
11ax-40(OFDMA), RF0, 242-tone RU



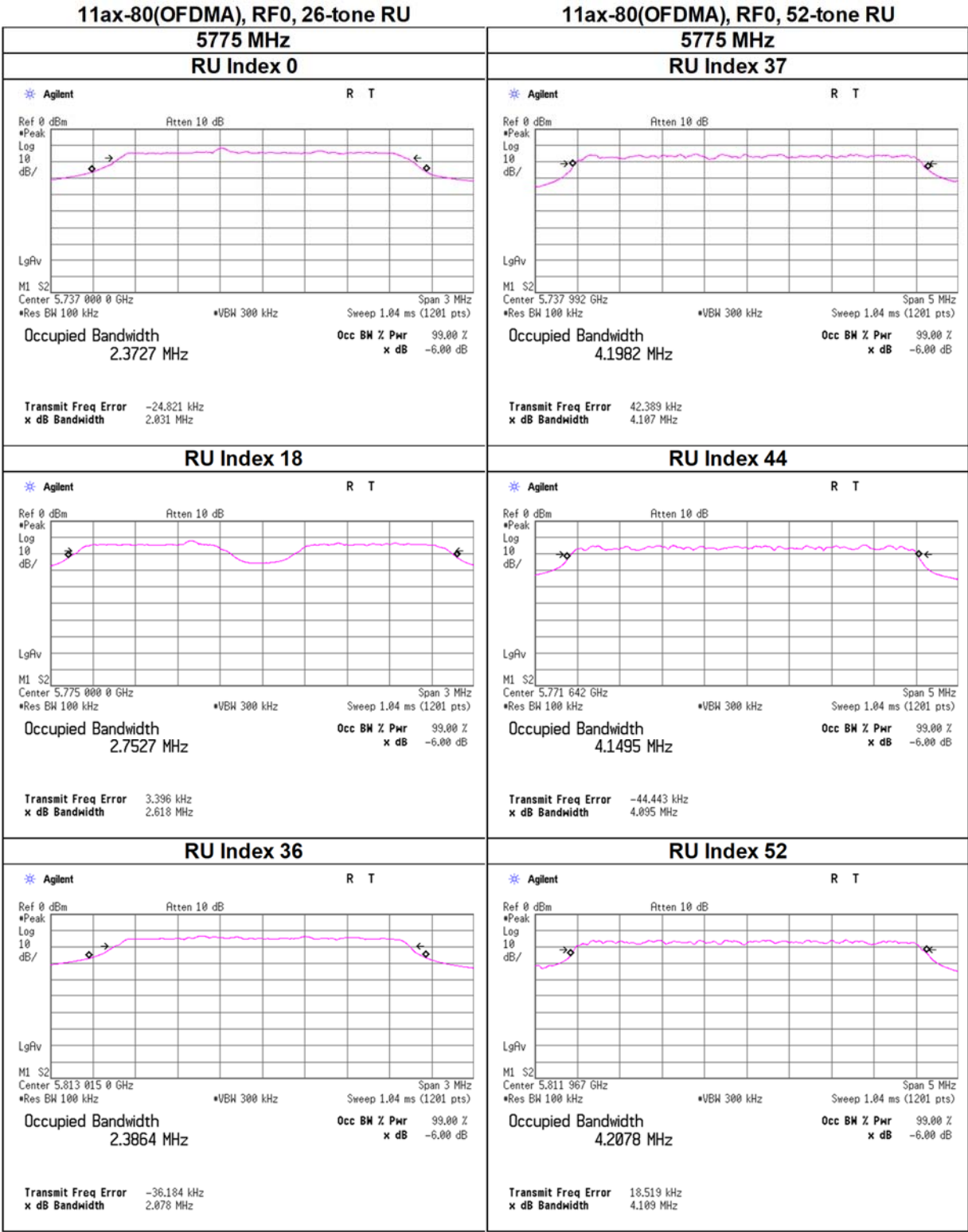
11ax-40(OFDMA), RF0, 484-tone RU



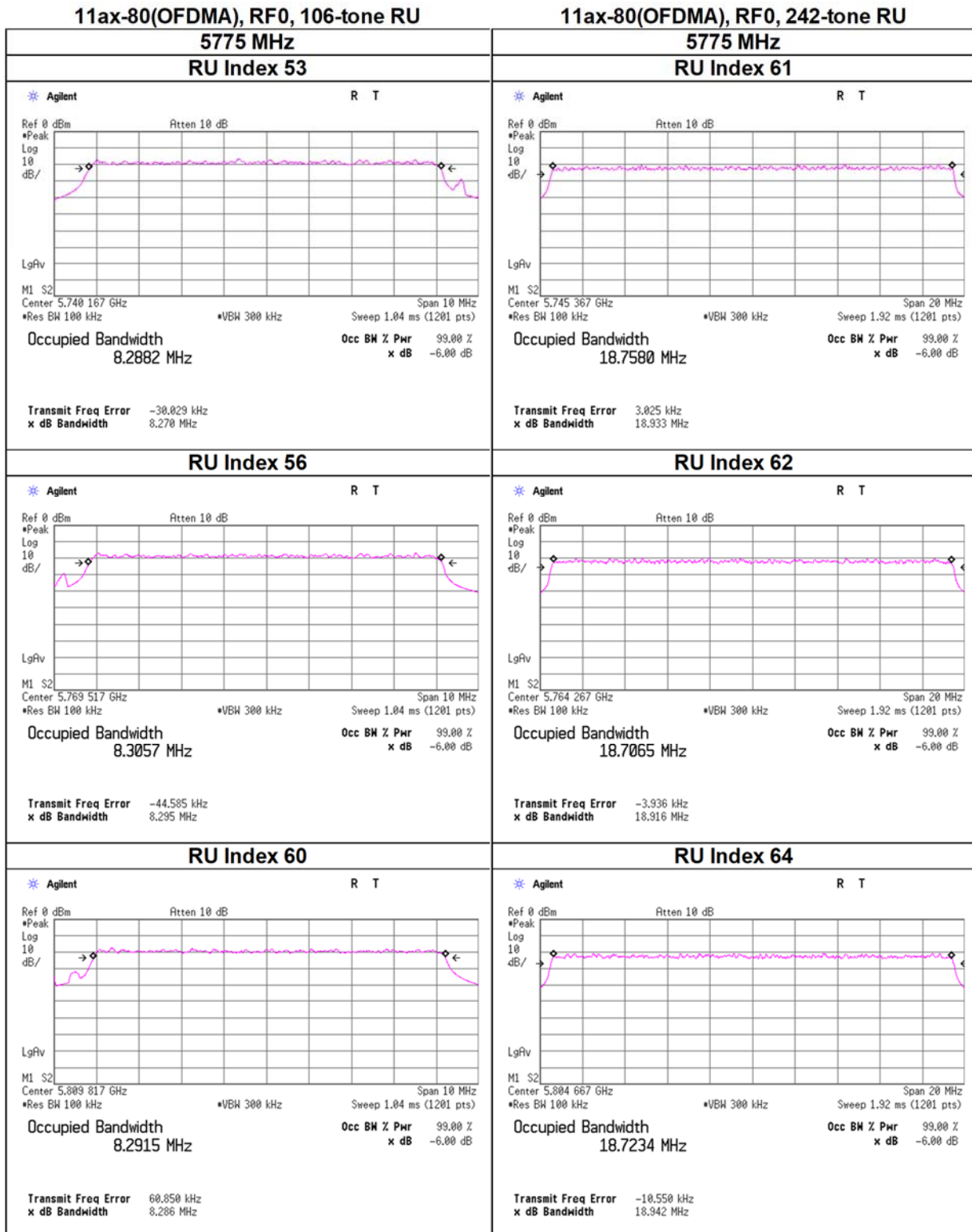
6 dB Bandwidth



6 dB Bandwidth

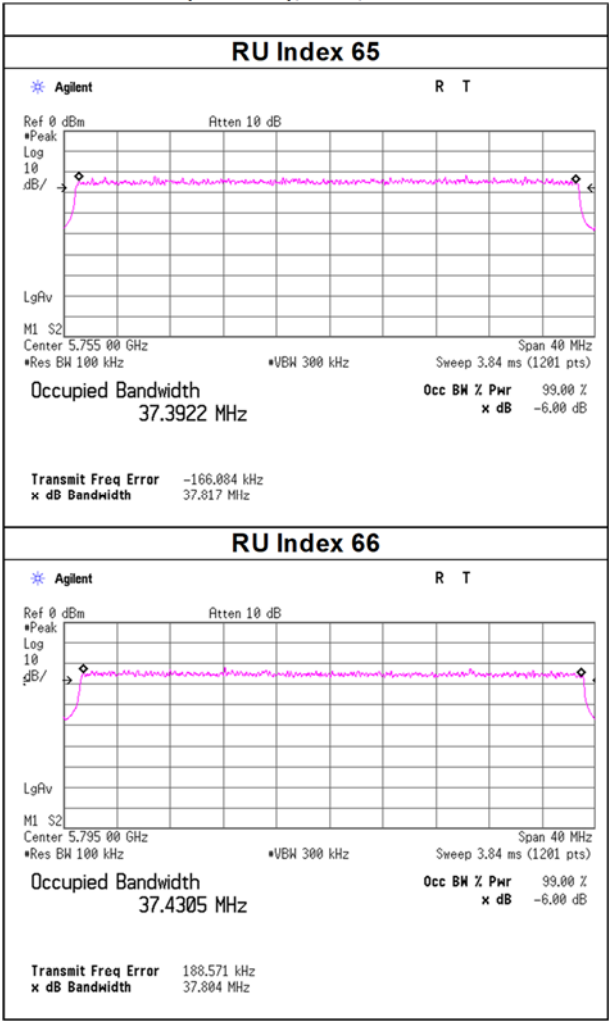


6 dB Bandwidth

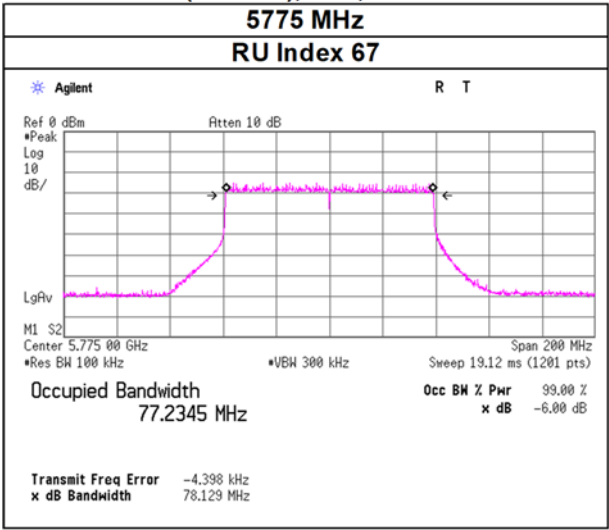


6 dB Bandwidth

11ax-80(OFDMA), RF0, 484-tone RU



11ax-80(OFDMA), RF0, 996-tone RU



Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023 June 1, 2023
Temperature / Humidity 24 deg. C / 31 % RH 26 deg. C / 42 % RH
Engineer Hiromasa Sato Yosuke Murakami
Mode Tx 11a

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power							e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]		Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			RF0 [mW]	RF1 [mW]	Sum [mW]					RF0 [mW]	RF1 [mW]	Sum [mW]			
5180	-	16.803	2.43	2.59	5.01	7.00	23.97	16.97	7.67	8.18	15.86	12.00	29.97	17.97	
5220	-	16.783	2.45	2.45	4.90	6.90	23.97	17.07	7.74	7.74	15.49	11.90	29.97	18.07	
5240	-	16.795	2.38	2.37	4.75	6.77	23.97	17.20	7.52	7.50	15.02	11.77	29.97	18.20	
5745	-	16.797	2.27	2.64	4.91	6.91	30.00	23.09	7.18	8.34	15.51	11.91	36.00	24.09	
5785	-	16.793	2.30	2.48	4.78	6.79	30.00	23.21	7.26	7.85	15.11	11.79	36.00	24.21	
5825	-	16.804	2.29	2.74	5.02	7.01	30.00	22.99	7.23	8.65	15.88	12.01	36.00	23.99	

		RF0						RF1					
Tested Frequency	-	Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Directional Gain	Result	
[MHz]		[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	[dBm]	[dB]	[dB]	[dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5180	-	-9.30	3.44	9.71	5.00	3.85	8.85	-9.26	3.41	9.98	5.00	4.13	9.13
5220	-	-9.27	3.44	9.72	5.00	3.89	8.89	-9.51	3.42	9.98	5.00	3.89	8.89
5240	-	-9.41	3.45	9.72	5.00	3.76	8.76	-9.66	3.43	9.98	5.00	3.75	8.75
5745	-	-9.82	3.65	9.73	5.00	3.56	8.56	-9.41	3.63	9.99	5.00	4.21	9.21
5785	-	-9.78	3.66	9.73	5.00	3.61	8.61	-9.68	3.64	9.99	5.00	3.95	8.95
5825	-	-9.83	3.69	9.73	5.00	3.59	8.59	-9.28	3.66	9.99	5.00	4.37	9.37

Sample Calculation:

Conducted Power Result = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss
e.i.r.p. Result = Conducted Power Result + Directional Gain
Directional Gain = G_{ANT} (Antenna Gain) + Array Gain
Array Gain = 0 dB(i.e.,no array gain) for $N_{ANT} \leq 4$
 N_{ANT} = number of transmit antennas = 2

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023 June 1, 2023
Temperature / Humidity 24 deg. C / 31 % RH 26 deg. C / 42 % RH
Engineer Hiromasa Sato Yosuke Murakami
Mode Tx 11n-20

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			RF0	RF1	Sum				RF0	RF1	Sum			
			[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	17.980	2.42	2.59	5.01	7.00	23.97	16.97	7.64	8.20	15.84	12.00	29.97	17.97
5220	-	17.976	2.49	2.48	4.97	6.97	23.97	17.00	7.89	7.83	15.72	11.97	29.97	18.00
5240	-	17.976	2.39	2.36	4.75	6.77	23.97	17.20	7.57	7.46	15.03	11.77	29.97	18.20
5745	-	17.999	2.37	2.70	5.07	7.05	30.00	22.95	7.48	8.55	16.03	12.05	36.00	23.95
5785	-	17.989	2.33	2.52	4.85	6.86	30.00	23.14	7.38	7.96	15.34	11.86	36.00	24.14
5825	-	17.993	2.37	2.79	5.16	7.12	30.00	22.88	7.50	8.81	16.31	12.12	36.00	23.88

		RF0						RF1					
Tested Frequency	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna 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]
5180	-	-9.32	3.44	9.71	5.00	3.83	8.83	-9.25	3.41	9.98	5.00	4.14	9.14
5220	-	-9.19	3.44	9.72	5.00	3.97	8.97	-9.46	3.42	9.98	5.00	3.94	8.94
5240	-	-9.38	3.45	9.72	5.00	3.79	8.79	-9.68	3.43	9.98	5.00	3.73	8.73
5745	-	-9.64	3.65	9.73	5.00	3.74	8.74	-9.30	3.63	9.99	5.00	4.32	9.32
5785	-	-9.71	3.66	9.73	5.00	3.68	8.68	-9.62	3.64	9.99	5.00	4.01	9.01
5825	-	-9.67	3.69	9.73	5.00	3.75	8.75	-9.20	3.66	9.99	5.00	4.45	9.45

Sample Calculation:

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

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

Limit Calculation:

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

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

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023 June 1, 2023
Temperature / Humidity 24 deg. C / 31 % RH 26 deg. C / 42 % RH
Engineer Hiromasa Sato Yosuke Murakami
Mode Tx 11ac-20

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			RF0	RF1	Sum				RF0	RF1	Sum			
[MHz]	[MHz]	[MHz]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	-	18.154	2.31	2.48	4.80	6.81	23.97	17.16	7.31	7.85	15.16	11.81	29.97	18.16
5220	-	18.149	2.57	2.63	5.20	7.16	23.97	16.81	8.13	8.32	16.45	12.16	29.97	17.81
5240	-	18.148	2.44	2.48	4.92	6.92	23.97	17.05	7.73	7.83	15.56	11.92	29.97	18.05
5745	-	18.158	2.40	2.70	5.11	7.08	30.00	22.92	7.60	8.55	16.15	12.08	36.00	23.92
5785	-	18.148	2.40	2.62	5.02	7.01	30.00	22.99	7.60	8.28	15.88	12.01	36.00	23.99
5825	-	18.161	2.33	2.86	5.19	7.15	30.00	22.85	7.36	9.04	16.40	12.15	36.00	23.85

RF0								RF1						
Tested Frequency	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	e.i.r.p.	
[MHz]		[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	
5180	-	-9.51	3.44	9.71	5.00	3.64	8.64	-9.44	3.41	9.98	5.00	3.95	8.95	
5220	-	-9.06	3.44	9.72	5.00	4.10	9.10	-9.20	3.42	9.98	5.00	4.20	9.20	
5240	-	-9.29	3.45	9.72	5.00	3.88	8.88	-9.47	3.43	9.98	5.00	3.94	8.94	
5745	-	-9.57	3.65	9.73	5.00	3.81	8.81	-9.30	3.63	9.99	5.00	4.32	9.32	
5785	-	-9.58	3.66	9.73	5.00	3.81	8.81	-9.45	3.64	9.99	5.00	4.18	9.18	
5825	-	-9.75	3.69	9.73	5.00	3.67	8.67	-9.09	3.66	9.99	5.00	4.56	9.56	

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023 June 1, 2023
Temperature / Humidity 24 deg. C / 31 % RH 26 deg. C / 42 % RH
Engineer Hiromasa Sato Yosuke Murakami
Mode Tx 11ax-20(OFDM)

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			RF0 [mW]	RF1 [mW]	Sum [mW]				RF0 [mW]	RF1 [mW]	Sum [mW]			
5180	-	19.246	2.50	2.61	5.11	7.09	23.97	16.88	7.91	8.26	16.17	12.09	29.97	17.88
5220	-	19.228	2.74	2.68	5.42	7.34	23.97	16.63	8.67	8.47	17.14	12.34	29.97	17.63
5240	-	19.220	2.74	2.67	5.41	7.33	23.97	16.64	8.67	8.43	17.10	12.33	29.97	17.64
5745	-	19.228	2.51	2.85	5.36	7.29	30.00	22.71	7.94	9.02	16.96	12.29	36.00	23.71
5785	-	19.213	2.52	2.69	5.21	7.17	30.00	22.83	7.98	8.49	16.47	12.17	36.00	23.83
5825	-	19.223	2.57	2.92	5.49	7.39	30.00	22.61	8.13	9.23	17.35	12.39	36.00	23.61

RF0						RF1							
Tested Frequency	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result	
[MHz]		[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.	[dBm]	[dB]	[dB]	[dBi]	Cond. Power	e.i.r.p.
						[dBm]	[dBm]					[dBm]	[dBm]
5180	-	-9.17	3.44	9.71	5.00	3.98	8.98	-9.22	3.41	9.98	5.00	4.17	9.17
5220	-	-8.78	3.44	9.72	5.00	4.38	9.38	-9.12	3.42	9.98	5.00	4.28	9.28
5240	-	-8.79	3.45	9.72	5.00	4.38	9.38	-9.15	3.43	9.98	5.00	4.26	9.26
5745	-	-9.38	3.65	9.73	5.00	4.00	9.00	-9.07	3.63	9.99	5.00	4.55	9.55
5785	-	-9.37	3.66	9.73	5.00	4.02	9.02	-9.34	3.64	9.99	5.00	4.29	9.29
5825	-	-9.32	3.69	9.73	5.00	4.10	9.10	-9.00	3.66	9.99	5.00	4.65	9.65

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-20(OFDMA) 26-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	Conducted power								e.i.r.p.					
		26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5180	0	-	18.596	1.93	1.79	3.73	5.71	23.97	18.26	6.11	5.68	11.78	10.71	29.97	19.26
	4	-	17.228	1.87	1.71	3.58	5.54	23.97	18.43	5.92	5.42	11.34	10.54	29.97	19.43
	8	-	18.543	2.08	1.89	3.97	5.99	23.97	17.98	6.58	5.98	12.56	10.99	29.97	18.98
5220	0	-	18.611	2.21	1.89	4.10	6.12	23.97	17.85	6.98	5.97	12.95	11.12	29.97	18.85
	4	-	17.227	2.01	1.70	3.72	5.70	23.97	18.27	6.37	5.38	11.75	10.70	29.97	19.27
	8	-	18.520	2.16	1.82	3.98	6.00	23.97	17.97	6.84	5.74	12.58	11.00	29.97	18.97
5240	0	-	18.585	2.10	1.76	3.86	5.87	23.97	18.10	6.64	5.57	12.21	10.87	29.97	19.10
	4	-	17.213	1.90	1.59	3.49	5.43	23.97	18.54	6.01	5.02	11.04	10.43	29.97	19.54
	8	-	18.538	2.13	1.78	3.91	5.92	23.97	18.05	6.73	5.64	12.37	10.92	29.97	19.05
5745	0	-	18.609	2.02	2.09	4.11	6.14	30.00	23.86	6.40	6.61	13.00	11.14	36.00	24.86
	4	-	17.219	1.85	1.90	3.75	5.75	30.00	24.25	5.86	6.01	11.87	10.75	36.00	25.25
	8	-	18.521	2.02	2.07	4.09	6.12	30.00	23.88	6.40	6.55	12.94	11.12	36.00	24.88
5785	0	-	18.594	1.98	2.01	4.00	6.02	30.00	23.98	6.27	6.37	12.63	11.02	36.00	24.98
	4	-	17.206	1.82	1.80	3.62	5.59	30.00	24.41	5.77	5.69	11.46	10.59	36.00	25.41
	8	-	18.528	2.00	1.94	3.94	5.95	30.00	24.05	6.32	6.12	12.45	10.95	36.00	25.05
5825	0	-	18.618	2.02	2.28	4.30	6.34	30.00	23.66	6.40	7.21	13.61	11.34	36.00	24.66
	4	-	17.222	1.81	1.96	3.77	5.76	30.00	24.24	5.73	6.19	11.92	10.76	36.00	25.24
	8	-	18.515	1.99	2.15	4.14	6.17	30.00	23.83	6.28	6.81	13.09	11.17	36.00	24.83

Tested Frequency [MHz]	RU Index		RF0						RF1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5180	0	-	-10.29	3.44	9.71	5.00	2.86	7.86	-10.85	3.41	9.98	5.00	2.54	7.54
	4	-	-10.43	3.44	9.71	5.00	2.72	7.72	-11.05	3.41	9.98	5.00	2.34	7.34
	8	-	-9.97	3.44	9.71	5.00	3.18	8.18	-10.62	3.41	9.98	5.00	2.77	7.77
5220	0	-	-9.72	3.44	9.72	5.00	3.44	8.44	-10.64	3.42	9.98	5.00	2.76	7.76
	4	-	-10.12	3.44	9.72	5.00	3.04	8.04	-11.09	3.42	9.98	5.00	2.31	7.31
	8	-	-9.81	3.44	9.72	5.00	3.35	8.35	-10.81	3.42	9.98	5.00	2.59	7.59
5240	0	-	-9.95	3.45	9.72	5.00	3.22	8.22	-10.95	3.43	9.98	5.00	2.46	7.46
	4	-	-10.38	3.45	9.72	5.00	2.79	7.79	-11.40	3.43	9.98	5.00	2.01	7.01
	8	-	-9.89	3.45	9.72	5.00	3.28	8.28	-10.90	3.43	9.98	5.00	2.51	7.51
5745	0	-	-10.32	3.65	9.73	5.00	3.06	8.06	-10.42	3.63	9.99	5.00	3.20	8.20
	4	-	-10.70	3.65	9.73	5.00	2.68	7.68	-10.83	3.63	9.99	5.00	2.79	7.79
	8	-	-10.32	3.65	9.73	5.00	3.06	8.06	-10.46	3.63	9.99	5.00	3.16	8.16
5785	0	-	-10.42	3.66	9.73	5.00	2.97	7.97	-10.59	3.64	9.99	5.00	3.04	8.04
	4	-	-10.78	3.66	9.73	5.00	2.61	7.61	-11.08	3.64	9.99	5.00	2.55	7.55
	8	-	-10.38	3.66	9.73	5.00	3.01	8.01	-10.76	3.64	9.99	5.00	2.87	7.87
5825	0	-	-10.36	3.69	9.73	5.00	3.06	8.06	-10.07	3.66	9.99	5.00	3.58	8.58
	4	-	-10.84	3.69	9.73	5.00	2.58	7.58	-10.73	3.66	9.99	5.00	2.92	7.92
	8	-	-10.44	3.69	9.73	5.00	2.98	7.98	-10.32	3.66	9.99	5.00	3.33	8.33

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-20(OFDMA) 52-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
				RF0 [mW]	RF1 [mW]	Sum [mW]				RF0 [mW]	RF1 [mW]	Sum [mW]			
5180	37	-	18.423	2.75	2.56	5.31	7.25	23.97	16.72	8.69	8.09	16.78	12.25	29.97	17.72
	38	-	17.255	2.64	2.44	5.09	7.06	23.97	16.91	8.36	7.73	16.08	12.06	29.97	17.91
	40	-	18.394	2.91	2.70	5.61	7.49	23.97	16.48	9.20	8.53	17.74	12.49	29.97	17.48
5220	37	-	18.442	2.98	2.52	5.50	7.40	23.97	16.57	9.42	7.96	17.38	12.40	29.97	17.57
	38	-	17.264	2.84	2.40	5.24	7.19	23.97	16.78	8.97	7.59	16.56	12.19	29.97	17.78
	40	-	18.400	2.93	2.45	5.38	7.31	23.97	16.66	9.27	7.74	17.01	12.31	29.97	17.66
5240	37	-	18.407	2.85	2.36	5.21	7.17	23.97	16.80	9.02	7.46	16.48	12.17	29.97	17.80
	38	-	17.236	2.68	2.23	4.91	6.91	23.97	17.06	8.47	7.05	15.52	11.91	29.97	18.06
	40	-	18.387	2.81	2.33	5.15	7.11	23.97	16.86	8.89	7.38	16.27	12.11	29.97	17.86
5745	37	-	18.431	2.78	2.79	5.57	7.46	30.00	22.54	8.79	8.83	17.62	12.46	36.00	23.54
	38	-	17.253	2.65	2.74	5.40	7.32	30.00	22.68	8.39	8.67	17.06	12.32	36.00	23.68
	40	-	18.368	2.78	2.84	5.62	7.50	30.00	22.50	8.79	8.99	17.79	12.50	36.00	23.50
5785	37	-	18.425	2.64	2.62	5.26	7.21	30.00	22.79	8.36	8.28	16.64	12.21	36.00	23.79
	38	-	17.239	2.51	2.56	5.06	7.05	30.00	22.95	7.93	8.09	16.02	12.05	36.00	23.95
	40	-	18.369	2.61	2.52	5.14	7.11	30.00	22.89	8.26	7.98	16.24	12.11	36.00	23.89
5825	37	-	18.453	2.59	2.82	5.41	7.33	30.00	22.67	8.20	8.91	17.12	12.33	36.00	23.67
	38	-	17.249	2.49	2.70	5.19	7.15	30.00	22.85	7.87	8.55	16.42	12.15	36.00	23.85
	40	-	18.368	2.77	3.05	5.81	7.65	30.00	22.35	8.75	9.64	18.39	12.65	36.00	23.35

Tested Frequency [MHz]	RU Index	-	RF0						RF1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5180	37	-	-8.76	3.44	9.71	5.00	4.39	9.39	-9.31	3.41	9.98	5.00	4.08	9.08
	38	-	-8.93	3.44	9.71	5.00	4.22	9.22	-9.51	3.41	9.98	5.00	3.88	8.88
	40	-	-8.51	3.44	9.71	5.00	4.64	9.64	-9.08	3.41	9.98	5.00	4.31	9.31
5220	37	-	-8.42	3.44	9.72	5.00	4.74	9.74	-9.39	3.42	9.98	5.00	4.01	9.01
	38	-	-8.63	3.44	9.72	5.00	4.53	9.53	-9.60	3.42	9.98	5.00	3.80	8.80
	40	-	-8.49	3.44	9.72	5.00	4.67	9.67	-9.51	3.42	9.98	5.00	3.89	8.89
5240	37	-	-8.62	3.45	9.72	5.00	4.55	9.55	-9.68	3.43	9.98	5.00	3.73	8.73
	38	-	-8.89	3.45	9.72	5.00	4.28	9.28	-9.93	3.43	9.98	5.00	3.48	8.48
	40	-	-8.68	3.45	9.72	5.00	4.49	9.49	-9.73	3.43	9.98	5.00	3.68	8.68
5745	37	-	-8.94	3.65	9.73	5.00	4.44	9.44	-9.16	3.63	9.99	5.00	4.46	9.46
	38	-	-9.14	3.65	9.73	5.00	4.24	9.24	-9.24	3.63	9.99	5.00	4.38	9.38
	40	-	-8.94	3.65	9.73	5.00	4.44	9.44	-9.08	3.63	9.99	5.00	4.54	9.54
5785	37	-	-9.17	3.66	9.73	5.00	4.22	9.22	-9.45	3.64	9.99	5.00	4.18	9.18
	38	-	-9.40	3.66	9.73	5.00	3.99	8.99	-9.55	3.64	9.99	5.00	4.08	9.08
	40	-	-9.22	3.66	9.73	5.00	4.17	9.17	-9.61	3.64	9.99	5.00	4.02	9.02
5825	37	-	-9.28	3.69	9.73	5.00	4.14	9.14	-9.15	3.66	9.99	5.00	4.50	9.50
	38	-	-9.46	3.69	9.73	5.00	3.96	8.96	-9.33	3.66	9.99	5.00	4.32	9.32
	40	-	-9.00	3.69	9.73	5.00	4.42	9.42	-8.81	3.66	9.99	5.00	4.84	9.84

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-20(OFDMA) 106-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted power							e.i.r.p.						
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
				RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]		
5180	53	-	18.444	2.77	2.74	5.51	7.42	23.97	16.55	8.77	8.67	17.44	12.42	29.97	17.55		
	54	-	18.330	2.77	2.73	5.50	7.40	23.97	16.57	8.75	8.63	17.38	12.40	29.97	17.57		
5220	53	-	18.448	2.85	2.64	5.49	7.39	23.97	16.58	9.02	8.34	17.35	12.39	29.97	17.58		
	54	-	18.326	2.86	2.61	5.48	7.38	23.97	16.59	9.06	8.26	17.32	12.38	29.97	17.59		
5240	53	-	18.421	2.76	2.51	5.27	7.22	23.97	16.75	8.73	7.94	16.67	12.22	29.97	17.75		
	54	-	18.310	2.75	2.49	5.25	7.20	23.97	16.77	8.71	7.89	16.60	12.20	29.97	17.77		
5745	53	-	18.459	2.68	2.99	5.67	7.54	30.00	22.46	8.47	9.46	17.93	12.54	36.00	23.46		
	54	-	18.304	2.61	2.87	5.48	7.39	30.00	22.61	8.26	9.08	17.34	12.39	36.00	23.61		
5785	53	-	18.442	2.54	2.78	5.32	7.26	30.00	22.74	8.04	8.79	16.83	12.26	36.00	23.74		
	54	-	18.296	2.48	2.69	5.17	7.13	30.00	22.87	7.83	8.51	16.35	12.13	36.00	23.87		
5825	53	-	18.455	2.56	2.96	5.52	7.42	30.00	22.58	8.09	9.38	17.47	12.42	36.00	23.58		
	54	-	18.300	2.47	2.85	5.32	7.26	30.00	22.74	7.80	9.02	16.81	12.26	36.00	23.74		

			RF0						RF1					
Tested Frequency	RU Index	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna 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]
5180	53	-	-8.72	3.44	9.71	5.00	4.43	9.43	-9.01	3.41	9.98	5.00	4.38	9.38
	54	-	-8.73	3.44	9.71	5.00	4.42	9.42	-9.03	3.41	9.98	5.00	4.36	9.36
5220	53	-	-8.61	3.44	9.72	5.00	4.55	9.55	-9.19	3.42	9.98	5.00	4.21	9.21
	54	-	-8.59	3.44	9.72	5.00	4.57	9.57	-9.23	3.42	9.98	5.00	4.17	9.17
5240	53	-	-8.76	3.45	9.72	5.00	4.41	9.41	-9.41	3.43	9.98	5.00	4.00	9.00
	54	-	-8.77	3.45	9.72	5.00	4.40	9.40	-9.44	3.43	9.98	5.00	3.97	8.97
5745	53	-	-9.10	3.65	9.73	5.00	4.28	9.28	-8.86	3.63	9.99	5.00	4.76	9.76
	54	-	-9.21	3.65	9.73	5.00	4.17	9.17	-9.04	3.63	9.99	5.00	4.58	9.58
5785	53	-	-9.34	3.66	9.73	5.00	4.05	9.05	-9.19	3.64	9.99	5.00	4.44	9.44
	54	-	-9.45	3.66	9.73	5.00	3.94	8.94	-9.33	3.64	9.99	5.00	4.30	9.30
5825	53	-	-9.34	3.69	9.73	5.00	4.08	9.08	-8.93	3.66	9.99	5.00	4.72	9.72
	54	-	-9.50	3.69	9.73	5.00	3.92	8.92	-9.10	3.66	9.99	5.00	4.55	9.55

Sample Calculation:

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

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

Limit Calculation:

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

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

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-20(OFDMA) 242-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				RF0	RF1	Sum				RF0	RF1	Sum			
				[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5180	61	-	19.223	2.65	2.60	5.25	7.20	23.97	16.77	8.38	8.22	16.60	12.20	29.97	17.77
5220	61	-	19.213	3.02	2.74	5.76	7.61	23.97	16.36	9.55	8.67	18.22	12.61	29.97	17.36
5240	61	-	19.203	3.01	2.62	5.64	7.51	23.97	16.46	9.53	8.30	17.83	12.51	29.97	17.46
5745	61	-	19.220	2.72	2.97	5.69	7.55	30.00	22.45	8.59	9.40	17.99	12.55	36.00	23.45
5785	61	-	19.210	2.54	2.77	5.31	7.25	30.00	22.75	8.04	8.75	16.79	12.25	36.00	23.75
5825	61	-	19.225	2.52	3.03	5.54	7.44	30.00	22.56	7.96	9.57	17.53	12.44	36.00	23.56

Tested Frequency [MHz]	RU Index	-	RF0						RF1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
							Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]
5180	61	-	-8.92	3.44	9.71	5.00	4.23	9.23	-9.24	3.41	9.98	5.00	4.15	9.15
5220	61	-	-8.36	3.44	9.72	5.00	4.80	9.80	-9.02	3.42	9.98	5.00	4.38	9.38
5240	61	-	-8.38	3.45	9.72	5.00	4.79	9.79	-9.22	3.43	9.98	5.00	4.19	9.19
5745	61	-	-9.04	3.65	9.73	5.00	4.34	9.34	-8.89	3.63	9.99	5.00	4.73	9.73
5785	61	-	-9.34	3.66	9.73	5.00	4.05	9.05	-9.21	3.64	9.99	5.00	4.42	9.42
5825	61	-	-9.41	3.69	9.73	5.00	4.01	9.01	-8.84	3.66	9.99	5.00	4.81	9.81

Sample Calculation:

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

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

Limit Calculation:

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

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

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023 June 1, 2023
Temperature / Humidity 24 deg. C / 31 % RH 26 deg. C / 42 % RH
Engineer Hiromasa Sato Yosuke Murakami
Mode Tx 11n-40

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
			RF0	RF1	Sum				RF0	RF1	Sum			
			[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5190	-	36.916	2.34	2.36	4.70	6.72	23.97	17.25	7.41	7.45	14.86	11.72	29.97	18.25
5230	-	36.833	2.30	2.29	4.58	6.61	23.97	17.36	7.26	7.23	14.49	11.61	29.97	18.36
5755	-	36.845	2.29	2.48	4.76	6.78	30.00	23.22	7.23	7.83	15.06	11.78	36.00	24.22
5795	-	36.817	2.85	2.63	5.48	7.39	30.00	22.61	9.02	8.32	17.33	12.39	36.00	23.61

		RF0						RF1					
Tested Frequency	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna 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]
5190	-	-9.45	3.44	9.71	5.00	3.70	8.70	-9.67	3.41	9.98	5.00	3.72	8.72
5230	-	-9.56	3.45	9.72	5.00	3.61	8.61	-9.82	3.43	9.98	5.00	3.59	8.59
5755	-	-9.79	3.65	9.73	5.00	3.59	8.59	-9.68	3.63	9.99	5.00	3.94	8.94
5795	-	-8.85	3.67	9.73	5.00	4.55	9.55	-9.44	3.65	9.99	5.00	4.20	9.20

Sample Calculation:

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

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

Limit Calculation:

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

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

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023 June 1, 2023
Temperature / Humidity 24 deg. C / 31 % RH 26 deg. C / 42 % RH
Engineer Hiromasa Sato Yosuke Murakami
Mode Tx 11ac-40

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			RF0 [mW]	RF1 [mW]	Sum [mW]				RF0 [mW]	RF1 [mW]	Sum [mW]			
5190	-	37.108	2.20	2.27	4.47	6.51	23.97	17.46	6.97	7.18	14.14	11.51	29.97	18.46
5230	-	37.021	2.39	2.32	4.71	6.73	23.97	17.24	7.55	7.35	14.90	11.73	29.97	18.24
5755	-	37.053	2.37	2.61	4.98	6.98	30.00	23.02	7.50	8.26	15.76	11.98	36.00	24.02
5795	-	37.002	2.24	2.65	4.90	6.90	30.00	23.10	7.10	8.39	15.49	11.90	36.00	24.10

		RF0						RF1					
Tested Frequency	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna 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]
5190	-	-9.72	3.44	9.71	5.00	3.43	8.43	-9.83	3.41	9.98	5.00	3.56	8.56
5230	-	-9.39	3.45	9.72	5.00	3.78	8.78	-9.75	3.43	9.98	5.00	3.66	8.66
5755	-	-9.63	3.65	9.73	5.00	3.75	8.75	-9.45	3.63	9.99	5.00	4.17	9.17
5795	-	-9.89	3.67	9.73	5.00	3.51	8.51	-9.40	3.65	9.99	5.00	4.24	9.24

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023 June 1, 2023
Temperature / Humidity 24 deg. C / 31 % RH 26 deg. C / 42 % RH
Engineer Hiromasa Sato Yosuke Murakami
Mode Tx 11ax-40(OFDM)

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISED) [MHz]	Conducted power						e.i.r.p.					
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
			RF0 [mW]	RF1 [mW]	Sum [mW]				RF0 [mW]	RF1 [mW]	Sum [mW]			
5190	-	38.341	2.26	2.50	4.76	6.78	23.97	17.19	7.14	7.91	15.05	11.78	29.97	18.19
5230	-	38.294	2.43	2.56	4.99	6.98	23.97	16.99	7.67	8.11	15.78	11.98	29.97	17.99
5755	-	38.308	2.35	2.61	4.96	6.95	30.00	23.05	7.43	8.24	15.67	11.95	36.00	24.05
5795	-	38.306	2.90	2.84	5.74	7.59	30.00	22.41	9.18	8.97	18.16	12.59	36.00	23.41

RF0								RF1					
Tested Frequency	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna 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]
5190	-	-9.61	3.44	9.71	5.00	3.54	8.54	-9.41	3.41	9.98	5.00	3.98	8.98
5230	-	-9.32	3.45	9.72	5.00	3.85	8.85	-9.32	3.43	9.98	5.00	4.09	9.09
5755	-	-9.67	3.65	9.73	5.00	3.71	8.71	-9.46	3.63	9.99	5.00	4.16	9.16
5795	-	-8.77	3.67	9.73	5.00	4.63	9.63	-9.11	3.65	9.99	5.00	4.53	9.53

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-40(OFDMA) 26-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]
				RF0 [mW]	RF1 [mW]	Sum [mW]				RF0 [mW]	RF1 [mW]	Sum [mW]			
5190	0	-	38.349	2.11	2.02	4.13	6.16	23.97	17.81	6.68	6.38	13.07	11.16	29.97	18.81
	8	-	36.660	2.07	1.98	4.05	6.07	23.97	17.90	6.53	6.27	12.80	11.07	29.97	18.90
	17	-	38.550	2.22	2.04	4.26	6.29	23.97	17.68	7.01	6.44	13.46	11.29	29.97	18.68
5230	0	-	38.298	2.22	2.07	4.29	6.32	23.97	17.65	7.01	6.55	13.56	11.32	29.97	18.65
	8	-	36.634	2.15	1.95	4.10	6.13	23.97	17.84	6.79	6.17	12.96	11.13	29.97	18.84
	17	-	38.516	2.28	2.04	4.32	6.36	23.97	17.61	7.21	6.46	13.67	11.36	29.97	18.61
5755	0	-	38.292	2.25	2.35	4.60	6.63	30.00	23.37	7.13	7.43	14.56	11.63	36.00	24.37
	8	-	36.677	2.12	2.22	4.34	6.38	30.00	23.62	6.71	7.01	13.73	11.38	36.00	24.62
	17	-	38.549	2.02	2.16	4.19	6.22	30.00	23.78	6.40	6.84	13.24	11.22	36.00	24.78
5795	0	-	38.224	2.65	2.45	5.11	7.08	30.00	22.92	8.39	7.76	16.16	12.08	36.00	23.92
	8	-	36.633	2.47	2.24	4.72	6.74	30.00	23.26	7.82	7.10	14.91	11.74	36.00	24.26
	17	-	38.596	2.56	2.25	4.81	6.82	30.00	23.18	8.09	7.13	15.22	11.82	36.00	24.18

			RF0						RF1					
Tested Frequency	RU Index	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna 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]
5190	0	-	-9.90	3.44	9.71	5.00	3.25	8.25	-10.34	3.41	9.98	5.00	3.05	8.05
	8	-	-10.00	3.44	9.71	5.00	3.15	8.15	-10.42	3.41	9.98	5.00	2.97	7.97
	17	-	-9.69	3.44	9.71	5.00	3.46	8.46	-10.30	3.41	9.98	5.00	3.09	8.09
5230	0	-	-9.71	3.45	9.72	5.00	3.46	8.46	-10.25	3.43	9.98	5.00	3.16	8.16
	8	-	-9.85	3.45	9.72	5.00	3.32	8.32	-10.51	3.43	9.98	5.00	2.90	7.90
	17	-	-9.59	3.45	9.72	5.00	3.58	8.58	-10.31	3.43	9.98	5.00	3.10	8.10
5755	0	-	-9.85	3.65	9.73	5.00	3.53	8.53	-9.91	3.63	9.99	5.00	3.71	8.71
	8	-	-10.11	3.65	9.73	5.00	3.27	8.27	-10.16	3.63	9.99	5.00	3.46	8.46
	17	-	-10.32	3.65	9.73	5.00	3.06	8.06	-10.27	3.63	9.99	5.00	3.35	8.35
5795	0	-	-9.16	3.67	9.73	5.00	4.24	9.24	-9.74	3.65	9.99	5.00	3.90	8.90
	8	-	-9.47	3.67	9.73	5.00	3.93	8.93	-10.13	3.65	9.99	5.00	3.51	8.51
	17	-	-9.32	3.67	9.73	5.00	4.08	9.08	-10.11	3.65	9.99	5.00	3.53	8.53

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-40(OFDMA) 52-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5190	37	-	38.217	2.34	2.26	4.60	6.63	23.97	17.34	7.41	7.14	14.56	11.63	29.97	18.34
	40	-	36.856	2.26	2.19	4.46	6.49	23.97	17.48	7.16	6.93	14.10	11.49	29.97	18.48
	44	-	38.116	2.43	2.31	4.74	6.76	23.97	17.21	7.69	7.29	14.99	11.76	29.97	18.21
5230	37	-	38.166	2.48	2.25	4.74	6.76	23.97	17.21	7.85	7.13	14.98	11.76	29.97	18.21
	40	-	36.737	2.37	2.17	4.54	6.57	23.97	17.40	7.50	6.85	14.35	11.57	29.97	18.40
	44	-	38.085	2.48	2.23	4.72	6.74	23.97	17.23	7.85	7.06	14.92	11.74	29.97	18.23
5755	37	-	38.187	2.32	2.53	4.85	6.85	30.00	23.15	7.33	8.00	15.33	11.85	36.00	24.15
	40	-	36.769	2.18	2.39	4.57	6.60	30.00	23.40	6.90	7.55	14.45	11.60	36.00	24.40
	44	-	38.117	2.31	2.60	4.91	6.91	30.00	23.09	7.31	8.22	15.53	11.91	36.00	24.09
5795	37	-	38.108	2.94	2.77	5.71	7.57	30.00	22.43	9.29	8.77	18.06	12.57	36.00	23.43
	40	-	36.738	2.75	2.57	5.32	7.26	30.00	22.74	8.69	8.13	16.82	12.26	36.00	23.74
	44	-	38.218	2.84	2.57	5.41	7.33	30.00	22.67	8.97	8.13	17.10	12.33	36.00	23.67

			RF0						RF1					
Tested Frequency	RU Index	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna 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]
5190	37	-	-9.45	3.44	9.71	5.00	3.70	8.70	-9.85	3.41	9.98	5.00	3.54	8.54
	40	-	-9.60	3.44	9.71	5.00	3.55	8.55	-9.98	3.41	9.98	5.00	3.41	8.41
	44	-	-9.29	3.44	9.71	5.00	3.86	8.86	-9.76	3.41	9.98	5.00	3.63	8.63
5230	37	-	-9.22	3.45	9.72	5.00	3.95	8.95	-9.88	3.43	9.98	5.00	3.53	8.53
	40	-	-9.42	3.45	9.72	5.00	3.75	8.75	-10.05	3.43	9.98	5.00	3.36	8.36
	44	-	-9.22	3.45	9.72	5.00	3.95	8.95	-9.92	3.43	9.98	5.00	3.49	8.49
5755	37	-	-9.73	3.65	9.73	5.00	3.65	8.65	-9.59	3.63	9.99	5.00	4.03	9.03
	40	-	-9.99	3.65	9.73	5.00	3.39	8.39	-9.84	3.63	9.99	5.00	3.78	8.78
	44	-	-9.74	3.65	9.73	5.00	3.64	8.64	-9.47	3.63	9.99	5.00	4.15	9.15
5795	37	-	-8.72	3.67	9.73	5.00	4.68	9.68	-9.21	3.65	9.99	5.00	4.43	9.43
	40	-	-9.01	3.67	9.73	5.00	4.39	9.39	-9.54	3.65	9.99	5.00	4.10	9.10
	44	-	-8.87	3.67	9.73	5.00	4.53	9.53	-9.54	3.65	9.99	5.00	4.10	9.10

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-40(OFDMA) 106-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				RF0 [mW]	RF1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	53	-	38.001	2.40	2.30	4.69	6.72	23.97	17.25	7.59	7.26	14.85	11.72	29.97	18.25
	54	-	36.841	2.31	2.23	4.55	6.58	23.97	17.39	7.31	7.06	14.37	11.58	29.97	18.39
	56	-	37.858	2.54	2.40	4.93	6.93	23.97	17.04	8.02	7.59	15.60	11.93	29.97	18.04
5230	53	-	37.956	2.44	2.28	4.72	6.74	23.97	17.23	7.73	7.19	14.92	11.74	29.97	18.23
	54	-	36.756	2.39	2.20	4.59	6.62	23.97	17.35	7.57	6.95	14.52	11.62	29.97	18.35
	56	-	37.845	2.48	2.23	4.71	6.73	23.97	17.24	7.83	7.06	14.90	11.73	29.97	18.24
5755	53	-	37.964	2.45	2.60	5.05	7.03	30.00	22.97	7.74	8.22	15.97	12.03	36.00	23.97
	54	-	36.781	2.34	2.61	4.95	6.95	30.00	23.05	7.41	8.24	15.65	11.95	36.00	24.05
	56	-	37.870	2.58	2.81	5.39	7.32	30.00	22.68	8.17	8.89	17.06	12.32	36.00	23.68
5795	53	-	37.905	3.03	2.75	5.79	7.63	30.00	22.37	9.59	8.71	18.30	12.63	36.00	23.37
	54	-	36.759	2.89	2.63	5.52	7.42	30.00	22.58	9.14	8.32	17.46	12.42	36.00	23.58
	56	-	37.940	2.95	2.59	5.54	7.43	30.00	22.57	9.33	8.18	17.52	12.43	36.00	23.57

RF0										RF1					
Tested Frequency [MHz]	RU Index	-	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5190	53	-	-9.35	3.44	9.71	5.00	3.80	8.80		-9.78	3.41	9.98	5.00	3.61	8.61
	54	-	-9.51	3.44	9.71	5.00	3.64	8.64		-9.90	3.41	9.98	5.00	3.49	8.49
	56	-	-9.11	3.44	9.71	5.00	4.04	9.04		-9.59	3.41	9.98	5.00	3.80	8.80
5230	53	-	-9.29	3.45	9.72	5.00	3.88	8.88		-9.84	3.43	9.98	5.00	3.57	8.57
	54	-	-9.38	3.45	9.72	5.00	3.79	8.79		-9.99	3.43	9.98	5.00	3.42	8.42
	56	-	-9.23	3.45	9.72	5.00	3.94	8.94		-9.92	3.43	9.98	5.00	3.49	8.49
5755	53	-	-9.49	3.65	9.73	5.00	3.89	8.89		-9.47	3.63	9.99	5.00	4.15	9.15
	54	-	-9.68	3.65	9.73	5.00	3.70	8.70		-9.46	3.63	9.99	5.00	4.16	9.16
	56	-	-9.26	3.65	9.73	5.00	4.12	9.12		-9.13	3.63	9.99	5.00	4.49	9.49
5795	53	-	-8.58	3.67	9.73	5.00	4.82	9.82		-9.24	3.65	9.99	5.00	4.40	9.40
	54	-	-8.79	3.67	9.73	5.00	4.61	9.61		-9.44	3.65	9.99	5.00	4.20	9.20
	56	-	-8.70	3.67	9.73	5.00	4.70	9.70		-9.51	3.65	9.99	5.00	4.13	9.13

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-40(OFDMA) 242-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5190	61	-	37.515	2.38	2.28	4.66	6.68	23.97	17.29	7.52	7.21	14.73	11.68	29.97	18.29
	62	-	37.815	2.38	2.28	4.66	6.68	23.97	17.29	7.53	7.19	14.73	11.68	29.97	18.29
5230	61	-	37.438	2.40	2.25	4.65	6.68	23.97	17.29	7.60	7.11	14.72	11.68	29.97	18.29
	62	-	37.757	2.42	2.20	4.61	6.64	23.97	17.33	7.64	6.95	14.59	11.64	29.97	18.33
5755	61	-	37.483	2.35	2.55	4.90	6.90	30.00	23.10	7.43	8.07	15.50	11.90	36.00	24.10
	62	-	37.815	2.30	2.54	4.84	6.85	30.00	23.15	7.28	8.02	15.29	11.85	36.00	24.15
5795	61	-	37.409	2.86	2.74	5.61	7.49	30.00	22.51	9.06	8.67	17.73	12.49	36.00	23.51
	62	-	37.780	2.83	2.60	5.43	7.35	30.00	22.65	8.95	8.22	17.18	12.35	36.00	23.65

Tested Frequency [MHz]	RU Index	-	RF0						RF1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5190	61	-	-9.39	3.44	9.71	5.00	3.76	8.76	-9.81	3.41	9.98	5.00	3.58	8.58
	62	-	-9.38	3.44	9.71	5.00	3.77	8.77	-9.82	3.41	9.98	5.00	3.57	8.57
5230	61	-	-9.36	3.45	9.72	5.00	3.81	8.81	-9.89	3.43	9.98	5.00	3.52	8.52
	62	-	-9.34	3.45	9.72	5.00	3.83	8.83	-9.99	3.43	9.98	5.00	3.42	8.42
5755	61	-	-9.67	3.65	9.73	5.00	3.71	8.71	-9.55	3.63	9.99	5.00	4.07	9.07
	62	-	-9.76	3.65	9.73	5.00	3.62	8.62	-9.58	3.63	9.99	5.00	4.04	9.04
5795	61	-	-8.83	3.67	9.73	5.00	4.57	9.57	-9.26	3.65	9.99	5.00	4.38	9.38
	62	-	-8.88	3.67	9.73	5.00	4.52	9.52	-9.49	3.65	9.99	5.00	4.15	9.15

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-40(OFDMA) 484-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				Antenna RF0 [mW]	Antenna RF1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	Antenna RF0 [mW]	Antenna RF1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5190	65	-	38.332	2.40	2.31	4.71	6.73	23.97	17.24	7.60	7.29	14.90	11.73	29.97	18.24
5230	65	-	38.273	2.51	2.28	4.79	6.80	23.97	17.17	7.94	7.19	15.14	11.80	29.97	18.17
5755	65	-	38.295	2.34	2.58	4.92	6.92	30.00	23.08	7.41	8.15	15.56	11.92	36.00	24.08
5795	65	-	38.264	2.91	2.77	5.68	7.55	30.00	22.45	9.20	8.77	17.97	12.55	36.00	23.45

RF0									RF1						
Tested Frequency [MHz]	RU Index	-	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	Result e.i.r.p. [dBm]	
5190	65	-	-9.34	3.44	9.71	5.00	3.81	8.81	-9.76	3.41	9.98	5.00	3.63	8.63	
5230	65	-	-9.17	3.45	9.72	5.00	4.00	9.00	-9.84	3.43	9.98	5.00	3.57	8.57	
5755	65	-	-9.68	3.65	9.73	5.00	3.70	8.70	-9.51	3.63	9.99	5.00	4.11	9.11	
5795	65	-	-8.76	3.67	9.73	5.00	4.64	9.64	-9.21	3.65	9.99	5.00	4.43	9.43	

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023 June 1, 2023
Temperature / Humidity 24 deg. C / 31 % RH 26 deg. C / 42 % RH
Engineer Hiromasa Sato Yosuke Murakami
Mode Tx 11ac-80

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	26 dB	99 %	Conducted power						e.i.r.p.					
	EBW	OBW	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	(B for FCC) [MHz]	(B for ISED) [MHz]	RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5210	-	76.909	2.00	1.96	3.96	5.98	23.97	17.99	6.32	6.21	12.53	10.98	29.97	18.99
5775	-	76.799	2.64	2.26	4.91	6.91	30.00	23.09	8.36	7.16	15.52	11.91	36.00	24.09

		RF0						RF1					
Tested Frequency	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna 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	-	-10.15	3.44	9.72	5.00	3.01	8.01	-10.47	3.42	9.98	5.00	2.93	7.93
5775	-	-9.17	3.66	9.73	5.00	4.22	9.22	-10.08	3.64	9.99	5.00	3.55	8.55

Sample Calculation:

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

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

Limit Calculation:

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

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

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023 June 1, 2023
Temperature / Humidity 24 deg. C / 31 % RH 26 deg. C / 42 % RH
Engineer Hiromasa Sato Yosuke Murakami
Mode Tx 11ax-80(OFDM)

RF0 + RF1										Applied limit: 15.407, mobile and portable client device					
Tested Frequency [MHz]	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISCED) [MHz]	Conducted power						e.i.r.p.						
			Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	Antenna			Result [dBm]	Limit [dBm]	Margin [dB]	
			RF0 [mW]	RF1 [mW]	Sum [mW]				RF0 [mW]	RF1 [mW]	Sum [mW]				
5210	-	77.941	2.16	2.12	4.29	6.32	23.97	17.65	6.84	6.71	13.55	11.32	29.97	18.65	
5775	-	77.969	2.58	2.24	4.82	6.83	30.00	23.17	8.15	7.10	15.24	11.83	36.00	24.17	

		RF0						RF1					
Tested Frequency	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Result		Power Meter Reading	Cable Loss	Atten. Loss	Antenna 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	-	-9.81	3.44	9.72	5.00	3.35	8.35	-10.13	3.42	9.98	5.00	3.27	8.27
5775	-	-9.28	3.66	9.73	5.00	4.11	9.11	-10.12	3.64	9.99	5.00	3.51	8.51

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80(OFDMA) 26-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5210	0	-	79.200	2.11	2.12	4.23	6.26	23.97	17.71	6.67	6.70	13.37	11.26	29.97	18.71
	18	-	74.989	2.25	2.04	4.30	6.33	23.97	17.64	7.13	6.46	13.59	11.33	29.97	18.64
	36	-	78.942	2.15	2.07	4.23	6.26	23.97	17.71	6.81	6.56	13.37	11.26	29.97	18.71
5775	0	-	79.046	2.74	2.36	5.10	7.07	30.00	22.93	8.65	7.46	16.11	12.07	36.00	23.93
	18	-	74.929	2.64	2.24	4.88	6.88	30.00	23.12	8.34	7.10	15.43	11.88	36.00	24.12
	36	-	79.012	2.67	2.07	4.74	6.76	30.00	23.24	8.43	6.55	14.98	11.76	36.00	24.24

Tested Frequency [MHz]	RU Index	-	RF0						RF1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
5210	0	-	-9.92	3.44	9.72	5.00	3.24	8.24	-10.14	3.42	9.98	5.00	3.26	8.26
	18	-	-9.63	3.44	9.72	5.00	3.53	8.53	-10.30	3.42	9.98	5.00	3.10	8.10
	36	-	-9.83	3.44	9.72	5.00	3.33	8.33	-10.23	3.42	9.98	5.00	3.17	8.17
5775	0	-	-9.02	3.66	9.73	5.00	4.37	9.37	-9.90	3.64	9.99	5.00	3.73	8.73
	18	-	-9.18	3.66	9.73	5.00	4.21	9.21	-10.12	3.64	9.99	5.00	3.51	8.51
	36	-	-9.13	3.66	9.73	5.00	4.26	9.26	-10.47	3.64	9.99	5.00	3.16	8.16

Sample Calculation:

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

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

Limit Calculation:

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

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

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80(OFDMA) 52-tone RU

RF0 + RF1										Applied limit: 15.407, mobile and portable client device					
Tested Frequency	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
[MHz]				RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5210	37	-	78.799	2.18	2.18	4.36	6.40	23.97	17.57	6.89	6.90	13.79	11.40	29.97	18.57
	44	-	75.424	2.25	2.12	4.37	6.41	23.97	17.56	7.11	6.71	13.83	11.41	29.97	18.56
	52	-	79.006	2.25	2.14	4.39	6.43	23.97	17.54	7.13	6.76	13.89	11.43	29.97	18.54
5775	37	-	78.768	2.94	2.50	5.44	7.35	30.00	22.65	9.29	7.91	17.20	12.35	36.00	23.65
	44	-	75.230	2.90	2.40	5.30	7.24	30.00	22.76	9.16	7.59	16.75	12.24	36.00	23.76
	52	-	78.993	2.81	2.23	5.05	7.03	30.00	22.97	8.89	7.06	15.96	12.03	36.00	23.97

RF0										RF1					
Tested Frequency	RU Index	-	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	e.i.r.p.	Power Meter Reading	Cable Loss	Atten. Loss	Antenna Gain	Cond. Power	e.i.r.p.	
[MHz]			[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	[dBm]	[dB]	[dB]	[dBi]	[dBm]	[dBm]	
5210	37	-	-9.78	3.44	9.72	5.00	3.38	8.38	-10.01	3.42	9.98	5.00	3.39	8.39	
	44	-	-9.64	3.44	9.72	5.00	3.52	8.52	-10.13	3.42	9.98	5.00	3.27	8.27	
	52	-	-9.63	3.44	9.72	5.00	3.53	8.53	-10.10	3.42	9.98	5.00	3.30	8.30	
5775	37	-	-8.71	3.66	9.73	5.00	4.68	9.68	-9.65	3.64	9.99	5.00	3.98	8.98	
	44	-	-8.77	3.66	9.73	5.00	4.62	9.62	-9.83	3.64	9.99	5.00	3.80	8.80	
	52	-	-8.90	3.66	9.73	5.00	4.49	9.49	-10.14	3.64	9.99	5.00	3.49	8.49	

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80(OFDMA) 106-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				RF0	RF1	Sum	Result	Limit	Margin	RF0	RF1	Sum	Result	Limit	Margin
				[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	53	-	78.110	2.10	2.12	4.22	6.26	23.97	17.71	6.64	6.71	13.35	11.26	29.97	18.71
	56	-	75.638	2.18	2.06	4.23	6.27	23.97	17.70	6.89	6.50	13.39	11.27	29.97	18.70
	60	-	78.454	2.24	2.10	4.35	6.38	23.97	17.59	7.10	6.65	13.75	11.38	29.97	18.59
5775	53	-	78.010	2.89	2.43	5.32	7.26	30.00	22.74	9.14	7.69	16.83	12.26	36.00	23.74
	56	-	75.351	2.84	2.35	5.19	7.16	30.00	22.84	8.99	7.43	16.43	12.16	36.00	23.84
	60	-	78.437	2.71	2.25	4.96	6.95	30.00	23.05	8.57	7.11	15.68	11.95	36.00	24.05

Tested Frequency [MHz]	RU Index	-	RF0						RF1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Result e.i.r.p. [dBm]
5210	53	-	-9.94	3.44	9.72	5.00	3.22	8.22	-10.13	3.42	9.98	5.00	3.27	8.27
	56	-	-9.78	3.44	9.72	5.00	3.38	8.38	-10.27	3.42	9.98	5.00	3.13	8.13
	60	-	-9.65	3.44	9.72	5.00	3.51	8.51	-10.17	3.42	9.98	5.00	3.23	8.23
5775	53	-	-8.78	3.66	9.73	5.00	4.61	9.61	-9.77	3.64	9.99	5.00	3.86	8.86
	56	-	-8.85	3.66	9.73	5.00	4.54	9.54	-9.92	3.64	9.99	5.00	3.71	8.71
	60	-	-9.06	3.66	9.73	5.00	4.33	9.33	-10.11	3.64	9.99	5.00	3.52	8.52

Sample Calculation:

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

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

Limit Calculation:

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

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

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80(OFDMA) 242-tone RU

RF0 + RF1										Applied limit: 15.407, mobile and portable client device					
Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				RF0 [mW]	RF1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	Result [dBm]	Limit [dBm]	Margin [dB]
5210	61	-	77.661	2.09	2.12	4.21	6.24	23.97	17.73	6.61	6.70	13.31	11.24	29.97	18.73
	62	-	75.777	2.23	2.10	4.34	6.37	23.97	17.60	7.06	6.65	13.72	11.37	29.97	18.60
	64	-	77.625	2.29	2.10	4.39	6.42	23.97	17.55	7.23	6.65	13.88	11.42	29.97	18.55
5775	61	-	77.469	2.94	2.33	5.27	7.22	30.00	22.78	9.29	7.38	16.67	12.22	36.00	23.78
	62	-	75.466	2.89	2.31	5.20	7.16	30.00	22.84	9.14	7.29	16.44	12.16	36.00	23.84
	64	-	78.065	2.59	2.22	4.81	6.82	30.00	23.18	8.18	7.01	15.20	11.82	36.00	24.18

RF0										RF1					
Tested Frequency [MHz]	RU Index	-	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result		e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result	
							Cond. Power [dBm]							Cond. Power [dBm]	e.i.r.p. [dBm]
5210	61	-	-9.96	3.44	9.72	5.00	3.20	8.20	-10.14	3.42	9.98	5.00	3.26	8.26	
	62	-	-9.67	3.44	9.72	5.00	3.49	8.49	-10.17	3.42	9.98	5.00	3.23	8.23	
	64	-	-9.57	3.44	9.72	5.00	3.59	8.59	-10.17	3.42	9.98	5.00	3.23	8.23	
5775	61	-	-8.71	3.66	9.73	5.00	4.68	9.68	-9.95	3.64	9.99	5.00	3.68	8.68	
	62	-	-8.78	3.66	9.73	5.00	4.61	9.61	-10.00	3.64	9.99	5.00	3.63	8.63	
	64	-	-9.26	3.66	9.73	5.00	4.13	9.13	-10.17	3.64	9.99	5.00	3.46	8.46	

Sample Calculation:

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

Limit Calculation:

Conducted Power Limit (5150 MHz-5250 MHz) = 250 mW
Conducted Power Limit (5725 MHz-5850 MHz) = 1 W

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80(OFDMA) 484-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				RF0	RF1	Sum	Result	Limit	Margin	RF0	RF1	Sum	Result	Limit	Margin
				[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]	[mW]	[mW]	[mW]	[dBm]	[dBm]	[dB]
5210	65	-	77.356	2.20	2.15	4.35	6.39	23.97	17.58	6.97	6.79	13.76	11.39	29.97	18.58
	66	-	77.380	2.39	2.11	4.50	6.53	23.97	17.44	7.55	6.67	14.22	11.53	29.97	18.44
5775	65	-	77.220	2.92	2.40	5.32	7.26	30.00	22.74	9.25	7.59	16.83	12.26	36.00	23.74
	66	-	77.381	2.63	2.29	4.92	6.92	30.00	23.08	8.32	7.23	15.55	11.92	36.00	24.08

RF0									RF1						
Tested Frequency [MHz]	RU Index	-	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	
5210	65	-	-9.73	3.44	9.72	5.00	3.43	8.43	-10.08	3.42	9.98	5.00	3.32	8.32	
	66	-	-9.38	3.44	9.72	5.00	3.78	8.78	-10.16	3.42	9.98	5.00	3.24	8.24	
5775	65	-	-8.73	3.66	9.73	5.00	4.66	9.66	-9.83	3.64	9.99	5.00	3.80	8.80	
	66	-	-9.19	3.66	9.73	5.00	4.20	9.20	-10.04	3.64	9.99	5.00	3.59	8.59	

Sample Calculation:

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

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

Limit Calculation:

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

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

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 1, 2023
Temperature / Humidity 26 deg. C / 42 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-80(OFDMA) 996-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW (B for FCC) [MHz]	99 % OBW (B for ISSED) [MHz]	Conducted power						e.i.r.p.					
				Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
				RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]
5210	67	-	77.977	2.17	2.09	4.27	6.30	23.97	17.67	6.87	6.62	13.49	11.30	29.97	18.67
5775	67	-	77.925	2.80	2.38	5.18	7.14	30.00	22.86	8.85	7.52	16.37	12.14	36.00	23.86

RF0								RF1						
Tested Frequency [MHz]	RU Index	-	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	Power Meter Reading [dBm]	Result e.i.r.p. [dBm]
5210	67	-	-9.79	3.44	9.72	5.00	3.37	-10.19	3.42	9.98	5.00	3.21	-10.19	8.21
5775	67	-	-8.92	3.66	9.73	5.00	4.47	-9.87	3.64	9.99	5.00	3.76	-9.87	8.76

Sample Calculation:

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

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

Limit Calculation:

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

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

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Hiromasa Sato
Mode Tx 11a

(Worst mode check)

(* P/M: Power Meter with power sensor, AV: Average)

Port	Freq. [MHz]	Rate [Mbps]	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	1 port result		Total result		Remarks
						[dBm]	[mW]	[mW]	[dBm]	
RF0	5180	6	-9.80	3.44	9.71	3.35	2.16	4.55	6.58	-
RF0	5180	9	-9.75	3.44	9.71	3.40	2.19	4.60	6.63	-
RF0	5180	12	-9.90	3.44	9.71	3.25	2.11	4.47	6.50	-
RF0	5180	18	-9.66	3.44	9.71	3.49	2.23	4.71	6.73	-
RF0	5180	24	-9.25	3.44	9.71	3.90	2.45	5.00	6.99	-
RF0	5180	36	-9.34	3.44	9.71	3.81	2.40	4.94	6.94	-
RF0	5180	48	-9.31	3.44	9.71	3.84	2.42	4.93	6.93	-
RF0	5180	54	-9.30	3.44	9.71	3.85	2.43	5.01	7.00	*
RF1	5180	6	-9.61	3.41	9.98	3.78	2.39			
RF1	5180	9	-9.57	3.41	9.98	3.82	2.41			
RF1	5180	12	-9.67	3.41	9.98	3.72	2.36			
RF1	5180	18	-9.46	3.41	9.98	3.93	2.47			
RF1	5180	24	-9.34	3.41	9.98	4.05	2.54			
RF1	5180	36	-9.35	3.41	9.98	4.04	2.54			
RF1	5180	48	-9.39	3.41	9.98	4.00	2.51			
RF1	5180	54	-9.26	3.41	9.98	4.13	2.59			

Sample Calculation:

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Hiromasa Sato
Mode Tx 11n-20

(Worst mode check)

(* P/M: Power Meter with power sensor, AV: Average)

Port	Freq.	Mode	P/M (AV)	Cable	Atten.	1 port		Total		Remarks
	[MHz]	(MCS)	Reading [dBm]	Loss [dB]	Loss [dB]	result [dBm]	result [mW]	result [mW]	result [dBm]	
RF0	5180	8 (GI 800 ns)	-9.80	3.44	9.71	3.35	2.16	4.63	6.65	-
RF0	5180	9 (GI 800 ns)	-9.83	3.44	9.71	3.32	2.15	4.61	6.64	-
RF0	5180	10 (GI 800 ns)	-9.88	3.44	9.71	3.27	2.12	4.56	6.59	-
RF0	5180	11 (GI 800 ns)	-9.48	3.44	9.71	3.67	2.33	4.82	6.83	-
RF0	5180	12 (GI 800 ns)	-9.41	3.44	9.71	3.74	2.37	4.88	6.89	-
RF0	5180	13 (GI 800 ns)	-9.39	3.44	9.71	3.76	2.38	4.91	6.91	-
RF0	5180	14 (GI 800 ns)	-9.32	3.44	9.71	3.83	2.42	5.01	7.00	*
RF0	5180	15 (GI 800 ns)	-9.34	3.44	9.71	3.81	2.40	4.99	6.98	-
RF0	5180	14 (GI 400 ns)	-9.34	3.44	9.71	3.81	2.40	4.99	6.98	-
RF1	5180	8 (GI 800 ns)	-9.47	3.41	9.98	3.92	2.47			
RF1	5180	9 (GI 800 ns)	-9.48	3.41	9.98	3.91	2.46			
RF1	5180	10 (GI 800 ns)	-9.52	3.41	9.98	3.87	2.44			
RF1	5180	11 (GI 800 ns)	-9.42	3.41	9.98	3.97	2.49			
RF1	5180	12 (GI 800 ns)	-9.38	3.41	9.98	4.01	2.52			
RF1	5180	13 (GI 800 ns)	-9.36	3.41	9.98	4.03	2.53			
RF1	5180	14 (GI 800 ns)	-9.25	3.41	9.98	4.14	2.59			
RF1	5180	15 (GI 800 ns)	-9.26	3.41	9.98	4.13	2.59			
RF1	5180	14 (GI 400 ns)	-9.27	3.41	9.98	4.12	2.58			

Sample Calculation:

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Hiromasa Sato
Mode Tx 11ac-20

(Worst mode check)

(* P/M: Power Meter with power sensor, AV: Average)

Port	Freq. [MHz]	Mode (MCS)	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	1 port result		Total result		Remarks
						[dBm]	[mW]	[mW]	[dBm]	
RF0	5180	0 (GI 800 ns)	-10.15	3.44	9.71	3.00	2.00	4.38	6.41	-
RF0	5180	1 (GI 800 ns)	-9.98	3.44	9.71	3.17	2.07	4.53	6.56	-
RF0	5180	2 (GI 800 ns)	-10.11	3.44	9.71	3.04	2.01	4.40	6.43	-
RF0	5180	3 (GI 800 ns)	-9.61	3.44	9.71	3.54	2.26	4.72	6.74	-
RF0	5180	4 (GI 800 ns)	-9.69	3.44	9.71	3.46	2.22	4.68	6.71	-
RF0	5180	5 (GI 800 ns)	-9.51	3.44	9.71	3.64	2.31	4.80	6.81	*
RF0	5180	6 (GI 800 ns)	-9.60	3.44	9.71	3.55	2.26	4.74	6.76	-
RF0	5180	7 (GI 800 ns)	-9.64	3.44	9.71	3.51	2.24	4.72	6.74	-
RF0	5180	8 (GI 800 ns)	-9.91	3.44	9.71	3.24	2.11	4.50	6.53	-
RF0	5180	5 (GI 400 ns)	-9.62	3.44	9.71	3.53	2.25	4.77	6.78	-
RF1	5180	0 (GI 800 ns)	-9.62	3.41	9.98	3.77	2.38			
RF1	5180	1 (GI 800 ns)	-9.49	3.41	9.98	3.90	2.45			
RF1	5180	2 (GI 800 ns)	-9.62	3.41	9.98	3.77	2.38			
RF1	5180	3 (GI 800 ns)	-9.48	3.41	9.98	3.91	2.46			
RF1	5180	4 (GI 800 ns)	-9.47	3.41	9.98	3.92	2.47			
RF1	5180	5 (GI 800 ns)	-9.44	3.41	9.98	3.95	2.48			
RF1	5180	6 (GI 800 ns)	-9.45	3.41	9.98	3.94	2.48			
RF1	5180	7 (GI 800 ns)	-9.46	3.41	9.98	3.93	2.47			
RF1	5180	8 (GI 800 ns)	-9.60	3.41	9.98	3.79	2.39			
RF1	5180	5 (GI 400 ns)	-9.39	3.41	9.98	4.00	2.51			

Sample Calculation:

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Hiromasa Sato
Mode Tx 11ax-20(OFDM)

(Worst mode check)

(* P/M: Power Meter with power sensor, AV: Average)

Port	Freq.	Mode	P/M (AV)	Cable	Atten.	1 port		Total		Remarks
	[MHz]	(MCS)	Reading [dBm]	Loss [dB]	Loss [dB]	result [dBm]	[mW]	result [mW]	[dBm]	
RF0	5180	0 (GI 3200 ns)	-9.95	3.44	9.71	3.20	2.09	4.41	6.44	-
RF0	5180	1 (GI 3200 ns)	-9.94	3.44	9.71	3.21	2.09	4.40	6.43	-
RF0	5180	2 (GI 3200 ns)	-9.89	3.44	9.71	3.26	2.12	4.45	6.49	-
RF0	5180	3 (GI 3200 ns)	-9.58	3.44	9.71	3.57	2.28	4.62	6.65	-
RF0	5180	4 (GI 3200 ns)	-9.22	3.44	9.71	3.93	2.47	5.01	7.00	-
RF0	5180	5 (GI 3200 ns)	-9.20	3.44	9.71	3.95	2.48	5.08	7.06	-
RF0	5180	6 (GI 3200 ns)	-9.25	3.44	9.71	3.90	2.45	5.00	6.99	-
RF0	5180	7 (GI 3200 ns)	-9.22	3.44	9.71	3.93	2.47	5.01	7.00	-
RF0	5180	8 (GI 3200 ns)	-9.31	3.44	9.71	3.84	2.42	4.93	6.93	-
RF0	5180	9 (GI 3200 ns)	-9.33	3.44	9.71	3.82	2.41	4.90	6.90	-
RF0	5180	10 (GI 3200 ns)	-9.29	3.44	9.71	3.86	2.43	4.93	6.93	-
RF0	5180	11 (GI 3200 ns)	-9.44	3.44	9.71	3.71	2.35	4.76	6.78	-
RF0	5180	5 (GI 1600 ns)	-9.17	3.44	9.71	3.98	2.50	5.11	7.09	*
RF0	5180	5 (GI 800 ns)	-9.29	3.44	9.71	3.86	2.43	5.06	7.04	-
RF1	5180	0 (GI 3200 ns)	-9.74	3.41	9.98	3.65	2.32			
RF1	5180	1 (GI 3200 ns)	-9.77	3.41	9.98	3.62	2.30			
RF1	5180	2 (GI 3200 ns)	-9.71	3.41	9.98	3.68	2.33			
RF1	5180	3 (GI 3200 ns)	-9.68	3.41	9.98	3.71	2.35			
RF1	5180	4 (GI 3200 ns)	-9.35	3.41	9.98	4.04	2.54			
RF1	5180	5 (GI 3200 ns)	-9.25	3.41	9.98	4.14	2.59			
RF1	5180	6 (GI 3200 ns)	-9.34	3.41	9.98	4.05	2.54			
RF1	5180	7 (GI 3200 ns)	-9.34	3.41	9.98	4.05	2.54			
RF1	5180	8 (GI 3200 ns)	-9.40	3.41	9.98	3.99	2.51			
RF1	5180	9 (GI 3200 ns)	-9.43	3.41	9.98	3.96	2.49			
RF1	5180	10 (GI 3200 ns)	-9.41	3.41	9.98	3.98	2.50			
RF1	5180	11 (GI 3200 ns)	-9.57	3.41	9.98	3.82	2.41			
RF1	5180	5 (GI 1600 ns)	-9.22	3.41	9.98	4.17	2.61			
RF1	5180	5 (GI 800 ns)	-9.20	3.41	9.98	4.19	2.62			

Sample Calculation:

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Hiromasa Sato
Mode Tx 11n-40

(Worst mode check)

(* P/M: Power Meter with power sensor, AV: Average)

Port	Freq. [MHz]	Mode (MCS)	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	1 port result		Total result		Remarks
						[dBm]	[mW]	[mW]	[dBm]	
RF0	5190	8 (GI 800 ns)	-10.05	3.44	9.71	3.10	2.04	4.19	6.23	-
RF0	5190	9 (GI 800 ns)	-10.07	3.44	9.71	3.08	2.03	4.18	6.21	-
RF0	5190	10 (GI 800 ns)	-10.00	3.44	9.71	3.15	2.07	4.22	6.25	-
RF0	5190	11 (GI 800 ns)	-9.71	3.44	9.71	3.44	2.21	4.46	6.50	-
RF0	5190	12 (GI 800 ns)	-9.64	3.44	9.71	3.51	2.24	4.57	6.60	-
RF0	5190	13 (GI 800 ns)	-9.45	3.44	9.71	3.70	2.34	4.70	6.72	*
RF0	5190	14 (GI 800 ns)	-9.54	3.44	9.71	3.61	2.30	4.61	6.64	-
RF0	5190	15 (GI 800 ns)	-9.56	3.44	9.71	3.59	2.29	4.63	6.66	-
RF0	5190	13 (GI 400 ns)	-9.47	3.44	9.71	3.68	2.33	4.68	6.70	-
RF1	5190	8 (GI 800 ns)	-10.06	3.41	9.98	3.33	2.15			
RF1	5190	9 (GI 800 ns)	-10.08	3.41	9.98	3.31	2.14			
RF1	5190	10 (GI 800 ns)	-10.06	3.41	9.98	3.33	2.15			
RF1	5190	11 (GI 800 ns)	-9.86	3.41	9.98	3.53	2.25			
RF1	5190	12 (GI 800 ns)	-9.72	3.41	9.98	3.67	2.33			
RF1	5190	13 (GI 800 ns)	-9.67	3.41	9.98	3.72	2.36			
RF1	5190	14 (GI 800 ns)	-9.75	3.41	9.98	3.64	2.31			
RF1	5190	15 (GI 800 ns)	-9.69	3.41	9.98	3.70	2.34			
RF1	5190	13 (GI 400 ns)	-9.69	3.41	9.98	3.70	2.34			

Sample Calculation:

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Hiromasa Sato
Mode Tx 11ac-40

(Worst mode check)

(* P/M: Power Meter with power sensor, AV: Average)

Port	Freq. [MHz]	Mode (MCS)	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	1 port result		Total result		Remarks
						[dBm]	[mW]	[mW]	[dBm]	
RF0	5190	0 (GI 800 ns)	-10.37	3.44	9.71	2.78	1.90	3.98	5.99	-
RF0	5190	1 (GI 800 ns)	-10.38	3.44	9.71	2.77	1.89	3.98	6.00	-
RF0	5190	2 (GI 800 ns)	-9.91	3.44	9.71	3.24	2.11	4.46	6.49	-
RF0	5190	3 (GI 800 ns)	-9.94	3.44	9.71	3.21	2.09	4.29	6.32	-
RF0	5190	4 (GI 800 ns)	-9.82	3.44	9.71	3.33	2.15	4.42	6.45	-
RF0	5190	5 (GI 800 ns)	-9.72	3.44	9.71	3.43	2.20	4.47	6.51	*
RF0	5190	6 (GI 800 ns)	-9.87	3.44	9.71	3.28	2.13	4.35	6.39	-
RF0	5190	7 (GI 800 ns)	-9.88	3.44	9.71	3.27	2.12	4.39	6.42	-
RF0	5190	8 (GI 800 ns)	-9.93	3.44	9.71	3.22	2.10	4.36	6.39	-
RF0	5190	9 (GI 800 ns)	-9.87	3.44	9.71	3.28	2.13	4.46	6.49	-
RF0	5190	5 (GI 400 ns)	-9.89	3.44	9.71	3.26	2.12	4.37	6.41	-
RF1	5190	0 (GI 800 ns)	-10.21	3.41	9.98	3.18	2.08			
RF1	5190	1 (GI 800 ns)	-10.19	3.41	9.98	3.20	2.09			
RF1	5190	2 (GI 800 ns)	-9.68	3.41	9.98	3.71	2.35			
RF1	5190	3 (GI 800 ns)	-9.98	3.41	9.98	3.41	2.19			
RF1	5190	4 (GI 800 ns)	-9.84	3.41	9.98	3.55	2.26			
RF1	5190	5 (GI 800 ns)	-9.83	3.41	9.98	3.56	2.27			
RF1	5190	6 (GI 800 ns)	-9.92	3.41	9.98	3.47	2.22			
RF1	5190	7 (GI 800 ns)	-9.84	3.41	9.98	3.55	2.26			
RF1	5190	8 (GI 800 ns)	-9.85	3.41	9.98	3.54	2.26			
RF1	5190	9 (GI 800 ns)	-9.72	3.41	9.98	3.67	2.33			
RF1	5190	5 (GI 400 ns)	-9.86	3.41	9.98	3.53	2.25			

Sample Calculation:

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Hiromasa Sato
Mode Tx 11ax-40(OFDM)

(Worst mode check)

(* P/M: Power Meter with power sensor, AV: Average)

Port	Freq.	Mode	P/M (AV)	Cable	Atten.	1 port		Total		Remarks
	[MHz]	(MCS)	Reading [dBm]	Loss [dB]	Loss [dB]	result [dBm]	[mW]	result [mW]	[dBm]	
RF0	5190	0 (GI 3200 ns)	-10.23	3.44	9.71	2.92	1.96	4.23	6.27	-
RF0	5190	1 (GI 3200 ns)	-10.29	3.44	9.71	2.86	1.93	4.20	6.23	-
RF0	5190	2 (GI 3200 ns)	-10.18	3.44	9.71	2.97	1.98	4.28	6.31	-
RF0	5190	3 (GI 3200 ns)	-9.87	3.44	9.71	3.28	2.13	4.53	6.56	-
RF0	5190	4 (GI 3200 ns)	-9.76	3.44	9.71	3.39	2.18	4.71	6.73	-
RF0	5190	5 (GI 3200 ns)	-9.90	3.44	9.71	3.25	2.11	4.60	6.62	-
RF0	5190	6 (GI 3200 ns)	-9.82	3.44	9.71	3.33	2.15	4.61	6.64	-
RF0	5190	7 (GI 3200 ns)	-9.74	3.44	9.71	3.41	2.19	4.66	6.68	-
RF0	5190	8 (GI 3200 ns)	-9.64	3.44	9.71	3.51	2.24	4.71	6.73	-
RF0	5190	9 (GI 3200 ns)	-9.80	3.44	9.71	3.35	2.16	4.64	6.67	-
RF0	5190	10 (GI 3200 ns)	-9.65	3.44	9.71	3.50	2.24	4.73	6.75	-
RF0	5190	11 (GI 3200 ns)	-9.68	3.44	9.71	3.47	2.22	4.68	6.71	-
RF0	5190	10 (GI 1600 ns)	-9.61	3.44	9.71	3.54	2.26	4.76	6.78	*
RF0	5190	10 (GI 800 ns)	-9.68	3.44	9.71	3.47	2.22	4.64	6.67	-
RF1	5190	0 (GI 3200 ns)	-9.82	3.41	9.98	3.57	2.28			
RF1	5190	1 (GI 3200 ns)	-9.83	3.41	9.98	3.56	2.27			
RF1	5190	2 (GI 3200 ns)	-9.78	3.41	9.98	3.61	2.30			
RF1	5190	3 (GI 3200 ns)	-9.59	3.41	9.98	3.80	2.40			
RF1	5190	4 (GI 3200 ns)	-9.36	3.41	9.98	4.03	2.53			
RF1	5190	5 (GI 3200 ns)	-9.44	3.41	9.98	3.95	2.48			
RF1	5190	6 (GI 3200 ns)	-9.48	3.41	9.98	3.91	2.46			
RF1	5190	7 (GI 3200 ns)	-9.47	3.41	9.98	3.92	2.47			
RF1	5190	8 (GI 3200 ns)	-9.47	3.41	9.98	3.92	2.47			
RF1	5190	9 (GI 3200 ns)	-9.45	3.41	9.98	3.94	2.48			
RF1	5190	10 (GI 3200 ns)	-9.43	3.41	9.98	3.96	2.49			
RF1	5190	11 (GI 3200 ns)	-9.48	3.41	9.98	3.91	2.46			
RF1	5190	10 (GI 1600 ns)	-9.41	3.41	9.98	3.98	2.50			
RF1	5190	10 (GI 800 ns)	-9.55	3.41	9.98	3.84	2.42			

Sample Calculation:

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Hiromasa Sato
Mode Tx 11ac-80

(Worst mode check)

(* P/M: Power Meter with power sensor, AV: Average)

Port	Freq. [MHz]	Mode (MCS)	P/M (AV) Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	1 port result		Total result		Remarks
						[dBm]	[mW]	[mW]	[dBm]	
RF0	5210	0 (GI 800 ns)	-10.74	3.44	9.72	2.42	1.75	3.59	5.55	-
RF0	5210	1 (GI 800 ns)	-10.77	3.44	9.72	2.39	1.73	3.55	5.50	-
RF0	5210	2 (GI 800 ns)	-10.72	3.44	9.72	2.44	1.75	3.59	5.55	-
RF0	5210	3 (GI 800 ns)	-10.30	3.44	9.72	2.86	1.93	3.85	5.86	-
RF0	5210	4 (GI 800 ns)	-10.24	3.44	9.72	2.92	1.96	3.91	5.93	-
RF0	5210	5 (GI 800 ns)	-10.15	3.44	9.72	3.01	2.00	3.96	5.98	*
RF0	5210	6 (GI 800 ns)	-10.26	3.44	9.72	2.90	1.95	3.90	5.91	-
RF0	5210	7 (GI 800 ns)	-10.25	3.44	9.72	2.91	1.95	3.90	5.91	-
RF0	5210	8 (GI 800 ns)	-10.29	3.44	9.72	2.87	1.94	3.91	5.93	-
RF0	5210	9 (GI 800 ns)	-10.21	3.44	9.72	2.95	1.97	3.92	5.94	-
RF0	5210	5 (GI 400 ns)	-10.15	3.44	9.72	3.01	2.00	3.87	5.88	-
RF1	5210	0 (GI 800 ns)	-10.75	3.42	9.98	2.65	1.84			
RF1	5210	1 (GI 800 ns)	-10.81	3.42	9.98	2.59	1.82			
RF1	5210	2 (GI 800 ns)	-10.77	3.42	9.98	2.63	1.83			
RF1	5210	3 (GI 800 ns)	-10.57	3.42	9.98	2.83	1.92			
RF1	5210	4 (GI 800 ns)	-10.49	3.42	9.98	2.91	1.95			
RF1	5210	5 (GI 800 ns)	-10.47	3.42	9.98	2.93	1.96			
RF1	5210	6 (GI 800 ns)	-10.50	3.42	9.98	2.90	1.95			
RF1	5210	7 (GI 800 ns)	-10.51	3.42	9.98	2.89	1.95			
RF1	5210	8 (GI 800 ns)	-10.44	3.42	9.98	2.96	1.98			
RF1	5210	9 (GI 800 ns)	-10.50	3.42	9.98	2.90	1.95			
RF1	5210	5 (GI 400 ns)	-10.67	3.42	9.98	2.73	1.87			

Sample Calculation:

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

Maximum Conducted Output Power

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 5, 2023
Temperature / Humidity 24 deg. C / 31 % RH
Engineer Hiromasa Sato
Mode Tx 11ax-80(OFDM)

(Worst mode check)

(* P/M: Power Meter with power sensor, AV: Average)

Port	Freq.	Mode	P/M (AV) Reading	Cable Loss	Atten. Loss	1 port result		Total result		Remarks
	[MHz]	(MCS)	[dBm]	[dB]	[dB]	[dBm]	[mW]	[mW]	[dBm]	-
RF0	5210	0 (GI 3200 ns)	-10.36	3.44	9.72	2.80	1.91	3.86	5.87	-
RF0	5210	1 (GI 3200 ns)	-10.29	3.44	9.72	2.87	1.94	3.89	5.90	-
RF0	5210	2 (GI 3200 ns)	-10.30	3.44	9.72	2.86	1.93	3.90	5.92	-
RF0	5210	3 (GI 3200 ns)	-10.05	3.44	9.72	3.11	2.05	4.11	6.14	-
RF0	5210	4 (GI 3200 ns)	-9.88	3.44	9.72	3.28	2.13	4.23	6.26	-
RF0	5210	5 (GI 3200 ns)	-9.94	3.44	9.72	3.22	2.10	4.19	6.23	-
RF0	5210	6 (GI 3200 ns)	-9.91	3.44	9.72	3.25	2.11	4.23	6.27	-
RF0	5210	7 (GI 3200 ns)	-9.88	3.44	9.72	3.28	2.13	4.25	6.29	-
RF0	5210	8 (GI 3200 ns)	-9.93	3.44	9.72	3.23	2.10	4.22	6.25	-
RF0	5210	9 (GI 3200 ns)	-9.96	3.44	9.72	3.20	2.09	4.21	6.24	-
RF0	5210	10 (GI 3200 ns)	-9.89	3.44	9.72	3.27	2.12	4.24	6.28	-
RF0	5210	11 (GI 3200 ns)	-9.95	3.44	9.72	3.21	2.09	4.24	6.28	-
RF0	5210	7 (GI 1600 ns)	-9.81	3.44	9.72	3.35	2.16	4.29	6.32	*
RF0	5210	7 (GI 800 ns)	-9.86	3.44	9.72	3.30	2.14	4.16	6.19	-
RF1	5210	0 (GI 3200 ns)	-10.49	3.42	9.98	2.91	1.95			
RF1	5210	1 (GI 3200 ns)	-10.49	3.42	9.98	2.91	1.95			
RF1	5210	2 (GI 3200 ns)	-10.45	3.42	9.98	2.95	1.97			
RF1	5210	3 (GI 3200 ns)	-10.26	3.42	9.98	3.14	2.06			
RF1	5210	4 (GI 3200 ns)	-10.18	3.42	9.98	3.22	2.10			
RF1	5210	5 (GI 3200 ns)	-10.19	3.42	9.98	3.21	2.09			
RF1	5210	6 (GI 3200 ns)	-10.14	3.42	9.98	3.26	2.12			
RF1	5210	7 (GI 3200 ns)	-10.13	3.42	9.98	3.27	2.12			
RF1	5210	8 (GI 3200 ns)	-10.15	3.42	9.98	3.25	2.11			
RF1	5210	9 (GI 3200 ns)	-10.14	3.42	9.98	3.26	2.12			
RF1	5210	10 (GI 3200 ns)	-10.14	3.42	9.98	3.26	2.12			
RF1	5210	11 (GI 3200 ns)	-10.08	3.42	9.98	3.32	2.15			
RF1	5210	7 (GI 1600 ns)	-10.13	3.42	9.98	3.27	2.12			
RF1	5210	7 (GI 800 ns)	-10.35	3.42	9.98	3.05	2.02			

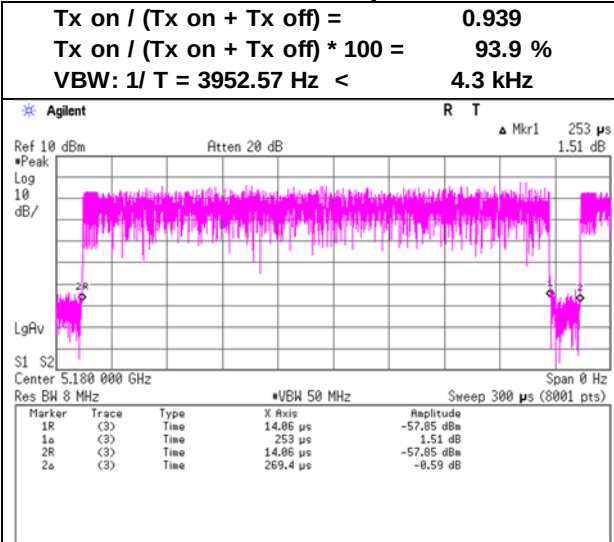
Sample Calculation:

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

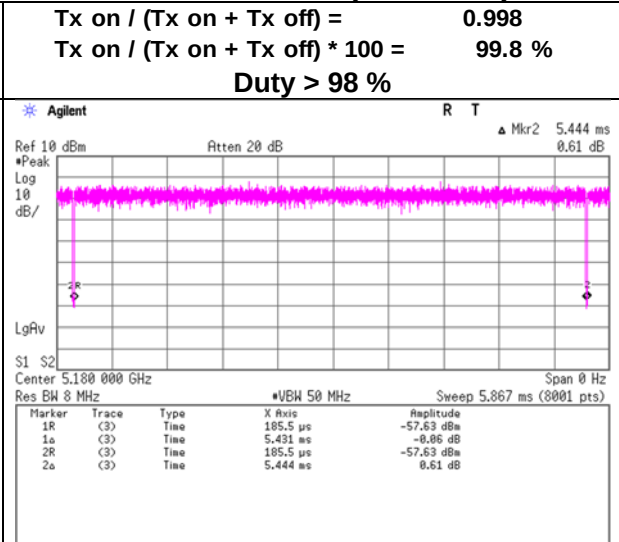
Burst rate confirmation

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 28, 2023
Temperature / Humidity 24 deg. C / 42 % RH
Engineer Shiro Kobayashi
Mode Tx

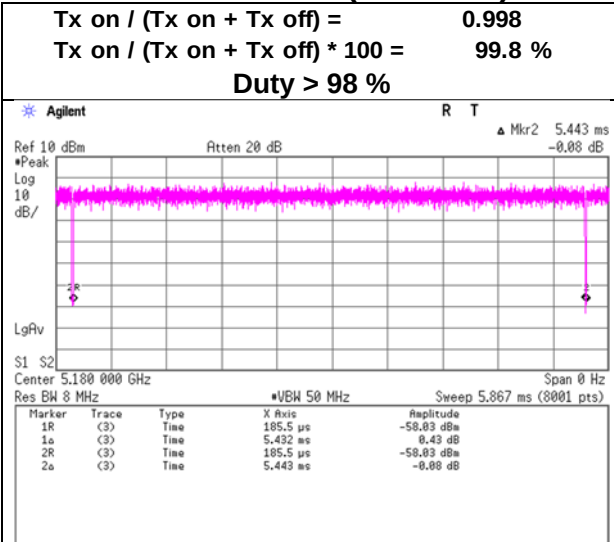
11a 54 Mbps



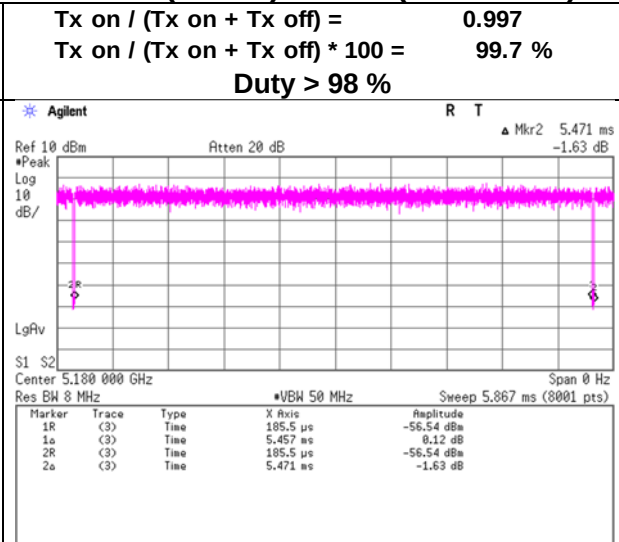
11n-20 MCS 14 (GI 800 ns)



11ac-20 MCS 5 (GI 800 ns)



11ax-20(OFDM) MCS 5 (GI 1600 ns)

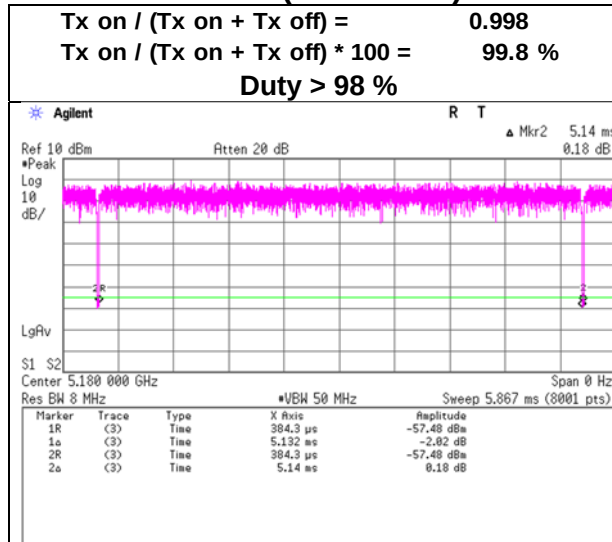


Burst rate confirmation

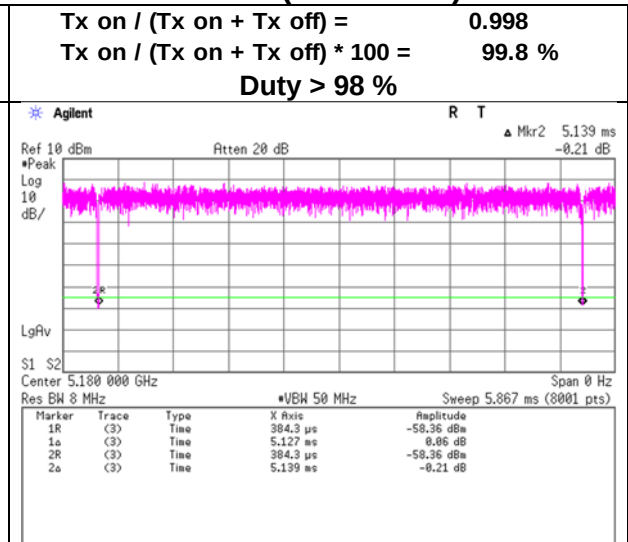
Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.5 Shielded Room
May 17, 2023
22 deg. C / 49 % RH
Shiro Kobayashi
Tx

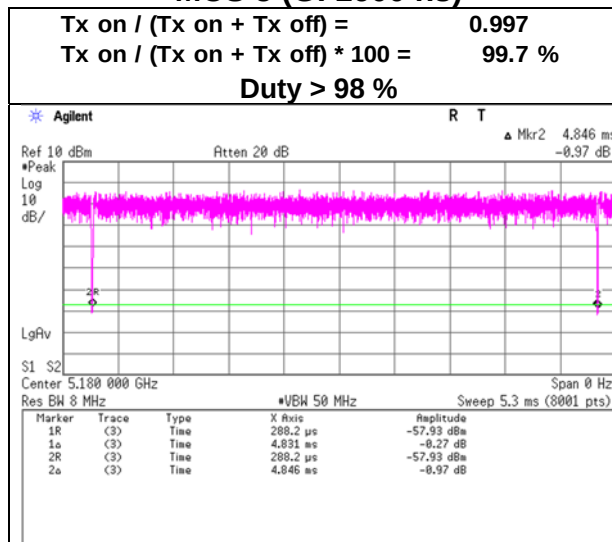
11ax-20(OFDMA), 26-tone RU MCS 5 (GI 1600 ns)



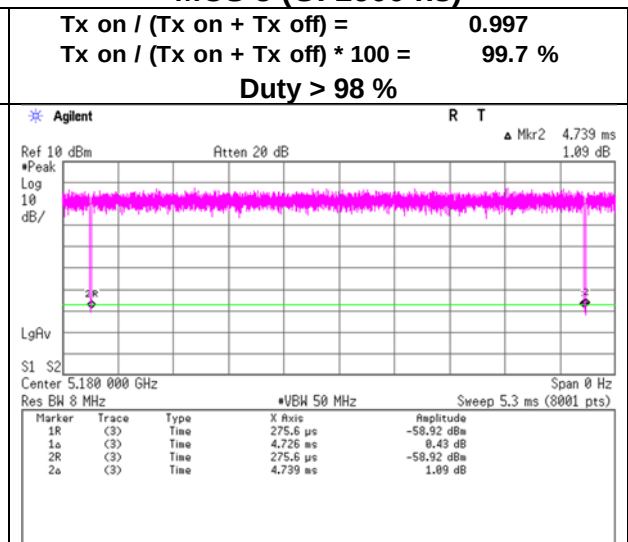
11ax-20(OFDMA), 52-tone RU MCS 5 (GI 1600 ns)



11ax-20(OFDMA), 104-tone RU MCS 5 (GI 1600 ns)



11ax-20(OFDMA), 242-tone RU MCS 5 (GI 1600 ns)

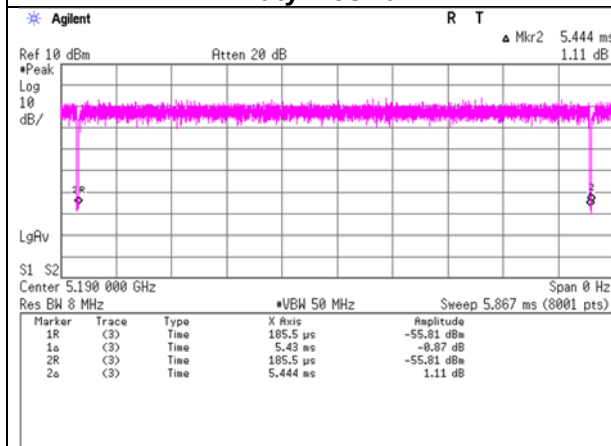


Burst rate confirmation

Test place	Shonan EMC Lab. No.5 Shielded Room
Date	April 28, 2023
Temperature / Humidity	24 deg. C / 42 % RH
Engineer	Shiro Kobayashi
Mode	Tx

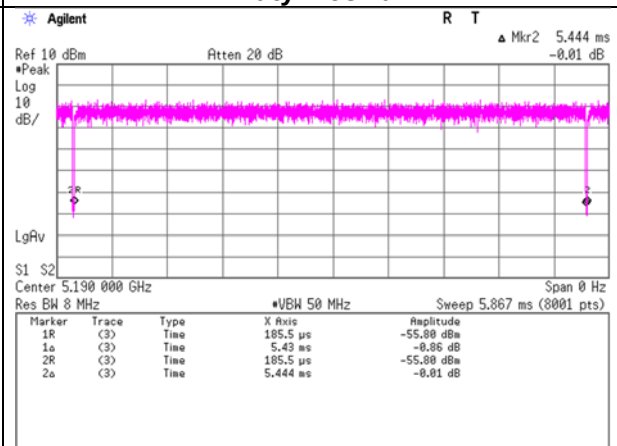
11n-40 MCS 13 (GI 800 ns)

Tx on / (Tx on + Tx off) =	0.997
Tx on / (Tx on + Tx off) * 100 =	99.7 %
Duty > 98 %	



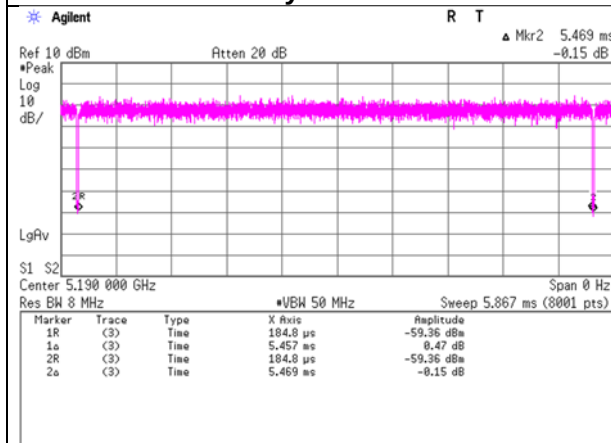
11ac-40 MCS 5 (GI 800 ns)

Tx on / (Tx on + Tx off) =	0.997
Tx on / (Tx on + Tx off) * 100 =	99.7 %
Duty > 98 %	



11ax-40(OFDM) MCS 10 (GI 1600 ns)

Tx on / (Tx on + Tx off) =	0.998
Tx on / (Tx on + Tx off) * 100 =	99.8 %
Duty > 98 %	

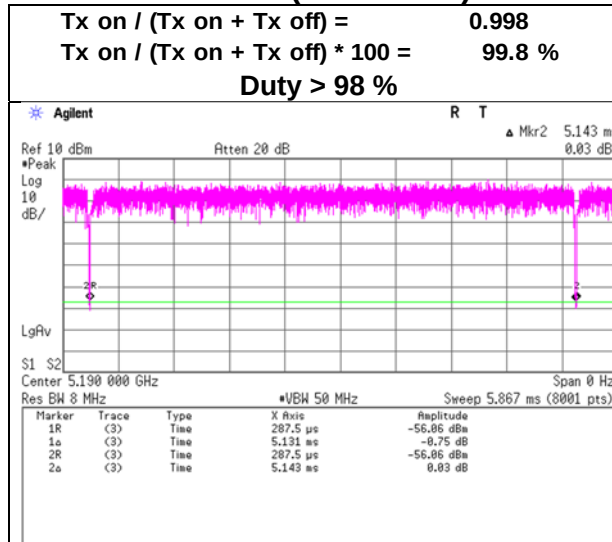


Burst rate confirmation

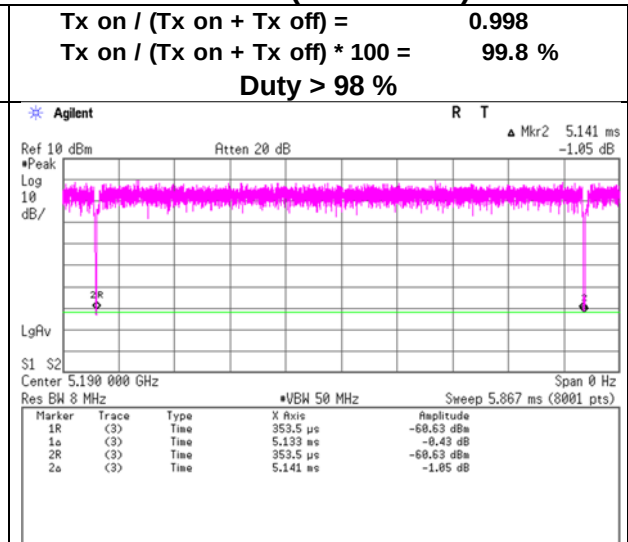
Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.5 Shielded Room
May 17, 2023
22 deg. C / 49 % RH
Shiro Kobayashi
Tx

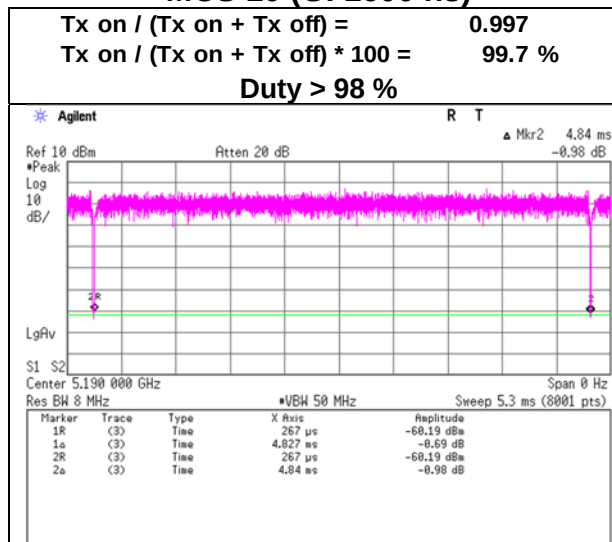
11ax-40(OFDMA), 26-tone RU MCS 10 (GI 1600 ns)



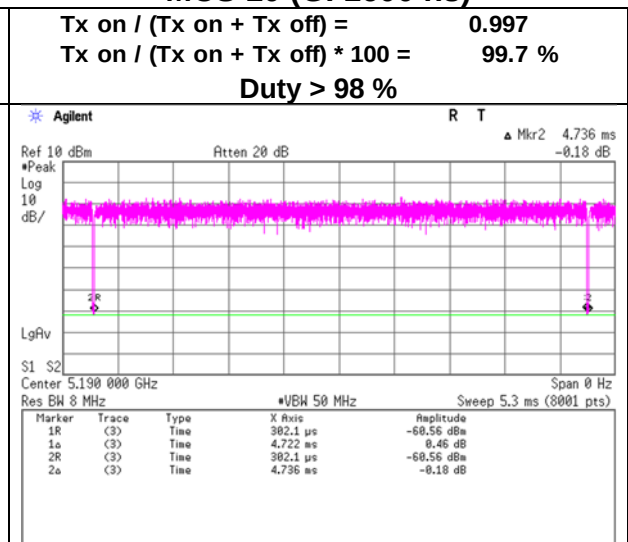
11ax-40(OFDMA), 52-tone RU MCS 10 (GI 1600 ns)



11ax-40(OFDMA), 106-tone RU MCS 10 (GI 1600 ns)



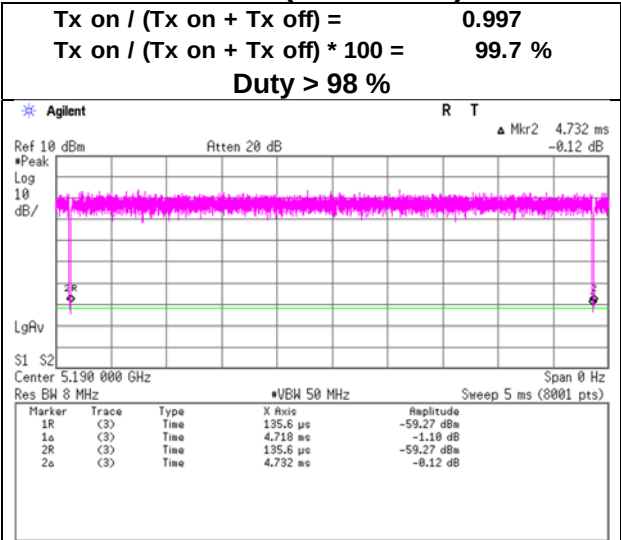
11ax-40(OFDMA), 242-tone RU MCS 10 (GI 1600 ns)



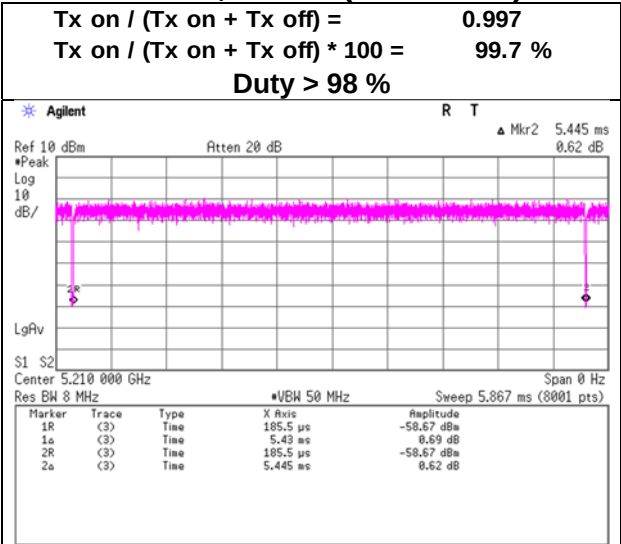
Burst rate confirmation

Test place	Shonan EMC Lab. No.5 Shielded Room	
Date	April 28, 2023	May 17, 2023
Temperature / Humidity	24 deg. C / 42 % RH	22 deg. C / 49 % RH
Engineer	Shiro Kobayashi	Shiro Kobayashi
Mode	Tx	

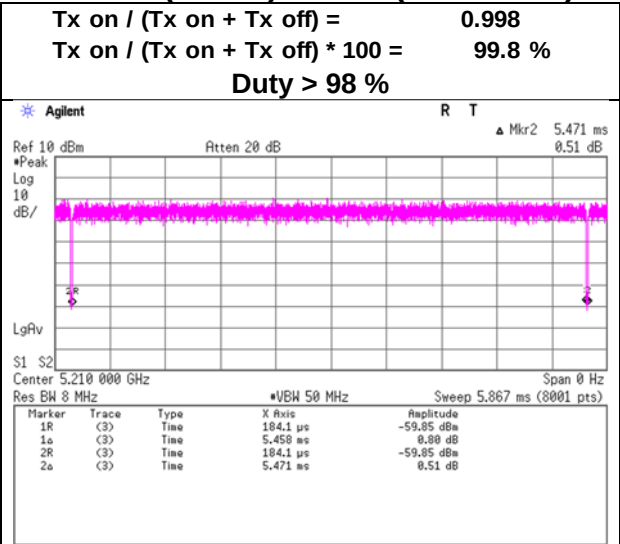
**11ax-40(OFDMA), 484-tone RU
MCS 10 (GI 1600 ns)**



11ac-80, MCS 5 (GI 1600 ns)



11ax-80(OFDM) MCS 7 (GI 1600 ns)

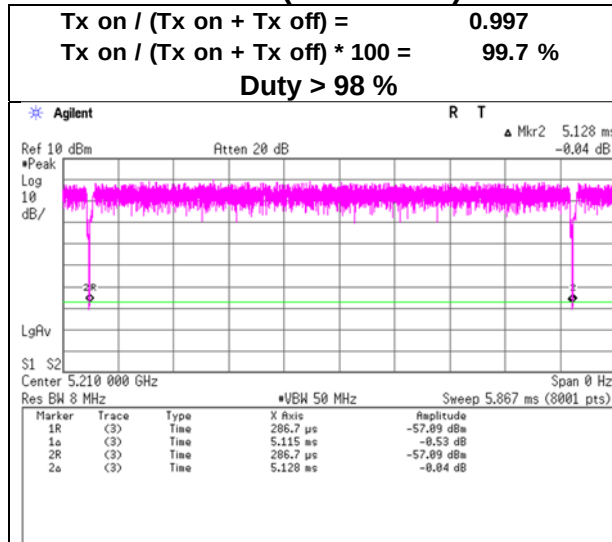


Burst rate confirmation

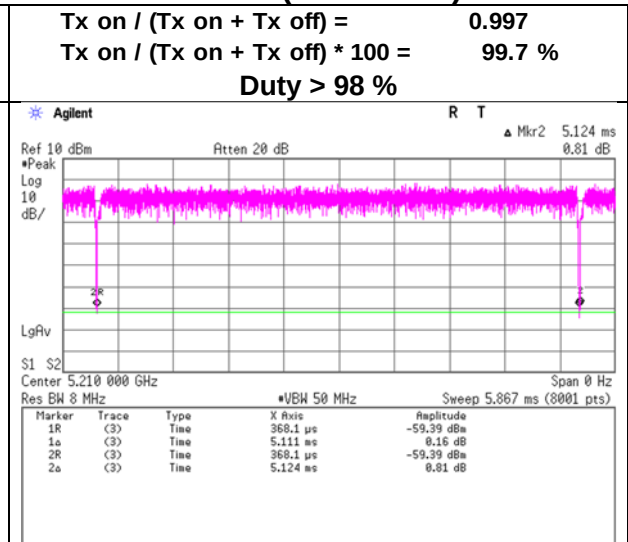
Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.5 Shielded Room
May 17, 2023
22 deg. C / 49 % RH
Shiro Kobayashi
Tx

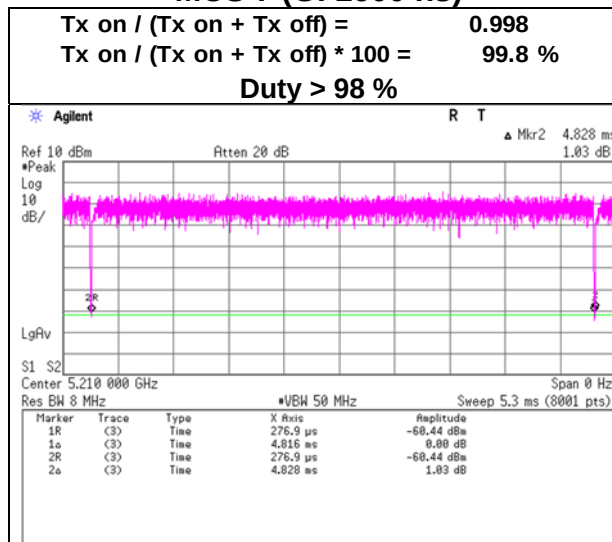
11ax-80(OFDMA), 26-tone RU MCS 7 (GI 1600 ns)



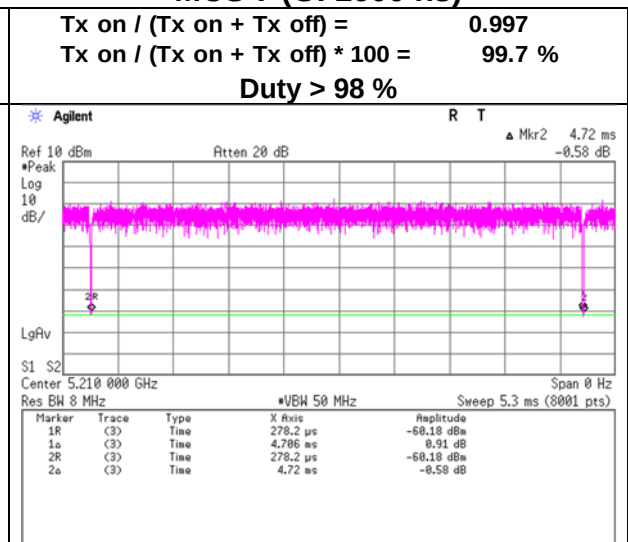
11ax-80(OFDMA), 52-tone RU MCS 7 (GI 1600 ns)



11ax-80(OFDMA), 106-tone RU MCS 7 (GI 1600 ns)



11ax-80(OFDMA), 242-tone RU MCS 7 (GI 1600 ns)



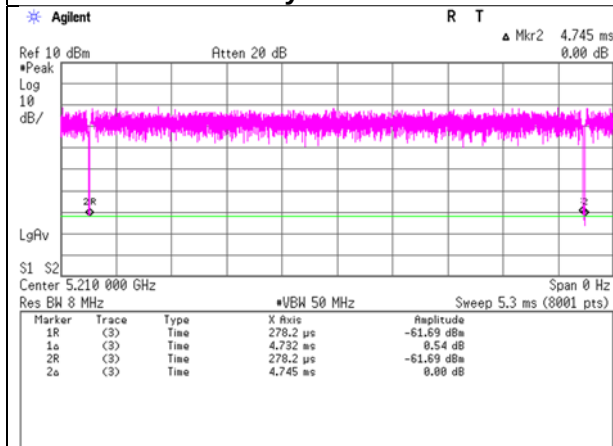
Burst rate confirmation

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.5 Shielded Room
May 17, 2023
22 deg. C / 49 % RH
Shiro Kobayashi
Tx

11ax-80(OFDMA), 484-tone RU
MCS 7 (GI 1600 ns)

Tx on / (Tx on + Tx off) =	0.997
Tx on / (Tx on + Tx off) * 100 =	99.7 %
Duty > 98 %	



11ax-80(OFDMA), 996-tone RU
MCS 7 (GI 1600 ns)

$\text{Tx on} / (\text{Tx on} + \text{Tx off}) =$	0.997
$\text{Tx on} / (\text{Tx on} + \text{Tx off}) * 100 =$	99.7 %
Duty > 98 %	



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11a

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	RF0	RF1	Sum				RF0	RF1	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.19	0.21	0.40	-3.99	8.98	12.97	1.22	1.31	2.53	4.03	17.00	12.97
5220	0.22	0.20	0.41	-3.85	8.98	12.83	1.37	1.24	2.61	4.17	17.00	12.83
5240	0.20	0.19	0.39	-4.07	8.98	13.05	1.29	1.19	2.48	3.95	17.00	13.05
5745	0.11	0.15	0.27	-5.75	27.98	33.73	0.73	0.96	1.69	2.27	36.00	33.73
5785	0.13	0.14	0.27	-5.77	27.98	33.75	0.81	0.87	1.68	2.25	36.00	33.75
5825	0.12	0.13	0.25	-5.97	27.98	33.95	0.75	0.85	1.60	2.05	36.00	33.95

			RF0						RF1					
Tested Frequency	-	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]	[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]
5180	-	0.00	-20.32	3.44	9.71	8.02	-7.17	0.86	-20.22	3.41	9.98	8.02	-6.83	1.19
5220	-	0.00	-19.82	3.44	9.72	8.02	-6.66	1.36	-20.48	3.42	9.98	8.02	-7.08	0.94
5240	-	0.00	-20.09	3.45	9.72	8.02	-6.92	1.10	-20.66	3.43	9.98	8.02	-7.25	0.77
5745	-	6.99	-29.77	3.65	9.73	8.02	-9.40	-1.38	-28.81	3.63	9.99	8.02	-8.20	-0.18
5785	-	6.99	-29.32	3.66	9.73	8.02	-8.94	-0.92	-29.23	3.64	9.99	8.02	-8.61	-0.59
5825	-	6.99	-29.69	3.69	9.73	8.02	-9.28	-1.26	-29.35	3.66	9.99	8.02	-8.71	-0.69

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

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

Directional Gain = G_{ANT} (Antenna Gain) + Array Gain

G_{ANT} = Set equal to the gain of the antenna having the highest gain

Array Gain = $10 \log(N_{\text{ANT}}/N_{\text{SS}})$

N_{ANT} = number of transmit antennas = 2, N_{SS} = number of spatial streams = 1

The conducted PSD limit was reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. (All frequencies for FCC, 5725 MHz-5850 MHz for ISSED)

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11n-20

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	RF0	RF1	Sum				RF0	RF1	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.17	0.17	0.35	-4.60	11.00	15.60	0.55	0.55	1.10	0.40	17.00	16.60
5220	0.19	0.18	0.37	-4.33	11.00	15.33	0.59	0.57	1.17	0.67	17.00	16.33
5240	0.18	0.18	0.35	-4.51	11.00	15.51	0.56	0.55	1.12	0.49	17.00	16.51
5745	0.10	0.11	0.22	-6.66	30.00	36.66	0.32	0.36	0.68	-1.66	36.00	37.66
5785	0.11	0.12	0.22	-6.52	30.00	36.52	0.34	0.36	0.70	-1.52	36.00	37.52
5825	0.10	0.12	0.22	-6.65	30.00	36.65	0.32	0.36	0.68	-1.65	36.00	37.65

Tested Frequency [MHz]	RF0							RF1						
	-	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.
		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	-	0.00	-20.74	3.44	9.71	5.00	-7.59	-2.59	-21.02	3.41	9.98	5.00	-7.63	-2.63
5220	-	0.00	-20.42	3.44	9.72	5.00	-7.26	-2.26	-20.82	3.42	9.98	5.00	-7.42	-2.42
5240	-	0.00	-20.66	3.45	9.72	5.00	-7.49	-2.49	-20.97	3.43	9.98	5.00	-7.56	-2.56
5745	-	6.99	-30.33	3.65	9.73	5.00	-9.96	-4.96	-30.01	3.63	9.99	5.00	-9.40	-4.40
5785	-	6.99	-30.07	3.66	9.73	5.00	-9.69	-4.69	-30.00	3.64	9.99	5.00	-9.38	-4.38
5825	-	6.99	-30.35	3.69	9.73	5.00	-9.94	-4.94	-30.03	3.66	9.99	5.00	-9.39	-4.39

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11ac-20

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	RF0	RF1	Sum				RF0	RF1	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.16	0.18	0.35	-4.59	11.00	15.59	0.52	0.58	1.10	0.41	17.00	16.59
5220	0.19	0.18	0.37	-4.30	11.00	15.30	0.59	0.58	1.17	0.70	17.00	16.30
5240	0.18	0.18	0.36	-4.47	11.00	15.47	0.56	0.57	1.13	0.53	17.00	16.47
5745	0.11	0.13	0.24	-6.23	30.00	36.23	0.35	0.40	0.75	-1.23	36.00	37.23
5785	0.12	0.13	0.25	-6.03	30.00	36.03	0.37	0.42	0.79	-1.03	36.00	37.03
5825	0.11	0.12	0.23	-6.38	30.00	36.38	0.34	0.39	0.73	-1.38	36.00	37.38

Tested Frequency [MHz]	RF0							RF1						
	-	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[dB]	[dB]	[dB]	[dB]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	-	0.00	-21.01	3.44	9.71	5.00	-7.86	-2.86	-20.75	3.41	9.98	5.00	-7.36	-2.36
5220	-	0.00	-20.45	3.44	9.72	5.00	-7.29	-2.29	-20.74	3.42	9.98	5.00	-7.34	-2.34
5240	-	0.00	-20.67	3.45	9.72	5.00	-7.50	-2.50	-20.87	3.43	9.98	5.00	-7.46	-2.46
5745	-	6.99	-29.90	3.65	9.73	5.00	-9.53	-4.53	-29.57	3.63	9.99	5.00	-8.96	-3.96
5785	-	6.99	-29.70	3.66	9.73	5.00	-9.32	-4.32	-29.40	3.64	9.99	5.00	-8.78	-3.78
5825	-	6.99	-30.14	3.69	9.73	5.00	-9.73	-4.73	-29.71	3.66	9.99	5.00	-9.07	-4.07

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-20(OFDM)

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	RF0	RF1	Sum				RF0	RF1	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.18	0.17	0.36	-4.50	11.00	15.50	0.57	0.55	1.12	0.50	17.00	16.50
5220	0.19	0.19	0.38	-4.21	11.00	15.21	0.61	0.59	1.20	0.79	17.00	16.21
5240	0.19	0.17	0.36	-4.39	11.00	15.39	0.60	0.55	1.15	0.61	17.00	16.39
5745	0.08	0.09	0.18	-7.51	30.00	37.51	0.27	0.30	0.56	-2.51	36.00	38.51
5785	0.09	0.09	0.18	-7.47	30.00	37.47	0.28	0.29	0.57	-2.47	36.00	38.47
5825	0.08	0.09	0.17	-7.59	30.00	37.59	0.26	0.29	0.55	-2.59	36.00	38.59

			RF0						RF1					
Tested Frequency	-	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	-	0.00	-20.58	3.44	9.71	5.00	-7.43	-2.43	-20.98	3.41	9.98	5.00	-7.59	-2.59
5220	-	0.00	-20.30	3.44	9.72	5.00	-7.14	-2.14	-20.71	3.42	9.98	5.00	-7.31	-2.31
5240	-	0.00	-20.41	3.45	9.72	5.00	-7.24	-2.24	-20.99	3.43	9.98	5.00	-7.58	-2.58
5745	-	6.99	-31.12	3.65	9.73	5.00	-10.75	-5.75	-30.90	3.63	9.99	5.00	-10.29	-5.29
5785	-	6.99	-30.93	3.66	9.73	5.00	-10.55	-5.55	-31.04	3.64	9.99	5.00	-10.42	-5.42
5825	-	6.99	-31.24	3.69	9.73	5.00	-10.83	-5.83	-31.03	3.66	9.99	5.00	-10.39	-5.39

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-20(OFDMA), 26-tone RU

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
		RF0	RF1	Sum				RF0	RF1	Sum					
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		
5180	0	1.12	1.07	2.19	3.40	11.00	7.60	3.54	3.37	6.91	8.40	17.00	8.60		
	4	0.81	0.85	1.65	2.19	11.00	8.81	2.55	2.69	5.23	7.19	17.00	9.81		
	8	1.09	1.12	2.21	3.45	11.00	7.55	3.46	3.54	7.00	8.45	17.00	8.55		
5220	0	1.24	1.18	2.42	3.84	11.00	7.16	3.94	3.72	7.65	8.84	17.00	8.16		
	4	0.90	0.90	1.79	2.54	11.00	8.46	2.84	2.83	5.67	7.54	17.00	9.46		
	8	1.26	1.19	2.44	3.88	11.00	7.12	3.98	3.75	7.73	8.88	17.00	8.12		
5240	0	1.26	1.18	2.44	3.88	11.00	7.12	3.99	3.74	7.73	8.88	17.00	8.12		
	4	0.91	0.85	1.76	2.46	11.00	8.54	2.87	2.70	5.57	7.46	17.00	9.54		
	8	1.29	1.06	2.35	3.72	11.00	7.28	4.09	3.35	7.44	8.72	17.00	8.28		
5745	0	0.56	0.63	1.19	0.74	30.00	29.26	1.76	1.99	3.75	5.74	36.00	30.26		
	4	0.53	0.58	1.11	0.46	30.00	29.54	1.69	1.83	3.52	5.46	36.00	30.54		
	8	0.59	0.67	1.26	1.00	30.00	29.00	1.87	2.11	3.98	6.00	36.00	30.00		
5785	0	0.63	0.64	1.27	1.03	30.00	28.97	1.99	2.02	4.01	6.03	36.00	29.97		
	4	0.55	0.56	1.12	0.49	30.00	29.51	1.75	1.79	3.54	5.49	36.00	30.51		
	8	0.57	0.64	1.21	0.83	30.00	29.17	1.81	2.02	3.82	5.83	36.00	30.17		
5825	0	0.53	0.60	1.13	0.51	30.00	29.49	1.67	1.89	3.56	5.51	36.00	30.49		
	4	0.48	0.55	1.03	0.12	30.00	29.88	1.52	1.72	3.25	5.12	36.00	30.88		
	8	0.54	0.56	1.11	0.44	30.00	29.56	1.71	1.78	3.50	5.44	36.00	30.56		

				RF0						RF1					
Tested Frequency	RU Index	-	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
[MHz]			[dB]	[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]
5180	0	-	0.00	-12.66	3.44	9.71	5.00	0.49	5.49	-13.11	3.41	9.98	5.00	0.28	5.28
	4	-	0.00	-14.09	3.44	9.71	5.00	-0.94	4.06	-14.10	3.41	9.98	5.00	-0.71	4.29
	8	-	0.00	-12.76	3.44	9.71	5.00	0.39	5.39	-12.90	3.41	9.98	5.00	0.49	5.49
5220	0	-	0.00	-12.21	3.44	9.72	5.00	0.95	5.95	-12.70	3.42	9.98	5.00	0.70	5.70
	4	-	0.00	-13.63	3.44	9.72	5.00	-0.47	4.53	-13.88	3.42	9.98	5.00	-0.48	4.52
	8	-	0.00	-12.17	3.44	9.72	5.00	1.00	6.00	-12.66	3.42	9.98	5.00	0.75	5.75
5240	0	-	0.00	-12.16	3.45	9.72	5.00	1.01	6.01	-12.69	3.43	9.98	5.00	0.72	5.72
	4	-	0.00	-13.59	3.45	9.72	5.00	-0.42	4.58	-14.10	3.43	9.98	5.00	-0.69	4.31
	8	-	0.00	-12.06	3.45	9.72	5.00	1.12	6.12	-13.16	3.43	9.98	5.00	0.25	5.25
5745	0	-	6.99	-22.91	3.65	9.73	5.00	-2.54	2.46	-22.63	3.63	9.99	5.00	-2.02	2.98
	4	-	6.99	-23.09	3.65	9.73	5.00	-2.72	2.28	-22.99	3.63	9.99	5.00	-2.38	2.62
	8	-	6.99	-22.65	3.65	9.73	5.00	-2.28	2.72	-22.37	3.63	9.99	5.00	-1.76	3.24
5785	0	-	6.99	-22.39	3.66	9.73	5.00	-2.01	2.99	-22.58	3.64	9.99	5.00	-1.96	3.04
	4	-	6.99	-22.95	3.66	9.73	5.00	-2.57	2.43	-23.10	3.64	9.99	5.00	-2.48	2.52
	8	-	6.99	-22.81	3.66	9.73	5.00	-2.43	2.57	-22.57	3.64	9.99	5.00	-1.95	3.05
5825	0	-	6.99	-23.19	3.69	9.73	5.00	-2.78	2.22	-22.87	3.66	9.99	5.00	-2.23	2.77
	4	-	6.99	-23.58	3.69	9.73	5.00	-3.17	1.83	-23.27	3.66	9.99	5.00	-2.63	2.37
	8	-	6.99	-23.07	3.69	9.73	5.00	-2.66	2.34	-23.12	3.66	9.99	5.00	-2.48	2.52

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-20(OFDMA), 52-tone RU

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		RF0	RF1	Sum					RF0	RF1	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5180	37	0.84	0.78	1.62	2.10	11.00	8.90		2.67	2.46	5.13	7.10	17.00	9.90	
	38	0.83	0.76	1.60	2.03	11.00	8.97		2.64	2.41	5.05	7.03	17.00	9.97	
	40	0.84	0.77	1.62	2.09	11.00	8.91		2.67	2.45	5.12	7.09	17.00	9.91	
5220	37	0.92	0.76	1.68	2.25	11.00	8.75		2.90	2.41	5.31	7.25	17.00	9.75	
	38	0.90	0.77	1.66	2.21	11.00	8.79		2.83	2.43	5.26	7.21	17.00	9.79	
	40	0.97	0.82	1.78	2.51	11.00	8.49		3.05	2.58	5.64	7.51	17.00	9.49	
5240	37	0.85	0.75	1.60	2.05	11.00	8.95		2.69	2.38	5.07	7.05	17.00	9.95	
	38	0.86	0.78	1.65	2.17	11.00	8.83		2.73	2.48	5.21	7.17	17.00	9.83	
	40	0.86	0.71	1.58	1.98	11.00	9.02		2.73	2.26	4.99	6.98	17.00	10.02	
5745	37	0.41	0.44	0.85	-0.71	30.00	30.71		1.30	1.39	2.68	4.29	36.00	31.71	
	38	0.39	0.44	0.83	-0.79	30.00	30.79		1.23	1.41	2.63	4.21	36.00	31.79	
	40	0.44	0.49	0.93	-0.32	30.00	30.32		1.40	1.54	2.94	4.68	36.00	31.32	
5785	37	0.44	0.47	0.91	-0.41	30.00	30.41		1.38	1.50	2.88	4.59	36.00	31.41	
	38	0.41	0.45	0.86	-0.66	30.00	30.66		1.30	1.41	2.72	4.34	36.00	31.66	
	40	0.45	0.44	0.88	-0.53	30.00	30.53		1.41	1.38	2.80	4.47	36.00	31.53	
5825	37	0.38	0.46	0.84	-0.76	30.00	30.76		1.19	1.46	2.66	4.24	36.00	31.76	
	38	0.36	0.44	0.80	-0.95	30.00	30.95		1.14	1.40	2.54	4.05	36.00	31.95	
	40	0.38	0.46	0.84	-0.75	30.00	30.75		1.21	1.45	2.66	4.25	36.00	31.75	

Tested Frequency [MHz]	RU Index	-	RBW Correction Factor [dB]	RF0					RF1						
				PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	PSD Result
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	37	-	0.00	-13.89	3.44	9.71	5.00	-0.74	4.26	-14.47	3.41	9.98	5.00	-1.08	3.92
	38	-	0.00	-13.94	3.44	9.71	5.00	-0.79	4.21	-14.57	3.41	9.98	5.00	-1.18	3.83
	40	-	0.00	-13.89	3.44	9.71	5.00	-0.74	4.26	-14.50	3.41	9.98	5.00	-1.11	3.89
5220	37	-	0.00	-13.54	3.44	9.72	5.00	-0.38	4.62	-14.58	3.42	9.98	5.00	-1.18	3.82
	38	-	0.00	-13.64	3.44	9.72	5.00	-0.48	4.52	-14.55	3.42	9.98	5.00	-1.15	3.85
	40	-	0.00	-13.31	3.44	9.72	5.00	-0.15	4.85	-14.28	3.42	9.98	5.00	-0.88	4.12
5240	37	-	0.00	-13.87	3.45	9.72	5.00	-0.70	4.30	-14.65	3.43	9.98	5.00	-1.24	3.76
	38	-	0.00	-13.81	3.45	9.72	5.00	-0.64	4.36	-14.47	3.43	9.98	5.00	-1.06	3.94
	40	-	0.00	-13.80	3.45	9.72	5.00	-0.63	4.37	-14.87	3.43	9.98	5.00	-1.46	3.54
5745	37	-	6.99	-24.25	3.65	9.73	5.00	-3.88	1.13	-24.19	3.63	9.99	5.00	-3.58	1.42
	38	-	6.99	-24.48	3.65	9.73	5.00	-4.11	0.90	-24.13	3.63	9.99	5.00	-3.52	1.48
	40	-	6.99	-23.92	3.65	9.73	5.00	-3.55	1.45	-23.73	3.63	9.99	5.00	-3.12	1.88
5785	37	-	6.99	-23.98	3.66	9.73	5.00	-3.60	1.40	-23.87	3.64	9.99	5.00	-3.25	1.75
	38	-	6.99	-24.23	3.66	9.73	5.00	-3.85	1.15	-24.12	3.64	9.99	5.00	-3.50	1.50
	40	-	6.99	-23.88	3.66	9.73	5.00	-3.50	1.50	-24.21	3.64	9.99	5.00	-3.59	1.41
5825	37	-	6.99	-24.64	3.69	9.73	5.00	-4.23	0.77	-23.99	3.66	9.99	5.00	-3.35	1.65
	38	-	6.99	-24.82	3.69	9.73	5.00	-4.41	0.59	-24.18	3.66	9.99	5.00	-3.54	1.46
	40	-	6.99	-24.57	3.69	9.73	5.00	-4.16	0.84	-24.03	3.66	9.99	5.00	-3.39	1.61

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-20(OFDMA), 106-tone RU

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		RF0	RF1	Sum					RF0	RF1	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5180	53	0.37	0.37	0.74	-1.33	11.00	12.33		1.17	1.16	2.33	3.67	17.00	13.33	
	54	0.38	0.36	0.74	-1.31	11.00	12.31		1.19	1.15	2.34	3.69	17.00	13.31	
5220	53	0.42	0.37	0.79	-1.04	11.00	12.04		1.32	1.17	2.49	3.96	17.00	13.04	
	54	0.43	0.40	0.83	-0.80	11.00	11.80		1.36	1.27	2.63	4.20	17.00	12.80	
5240	53	0.43	0.40	0.82	-0.85	11.00	11.85		1.34	1.26	2.60	4.15	17.00	12.85	
	54	0.40	0.37	0.77	-1.11	11.00	12.11		1.28	1.17	2.45	3.89	17.00	13.11	
5745	53	0.18	0.20	0.38	-4.17	30.00	34.17		0.57	0.64	1.21	0.83	36.00	35.17	
	54	0.19	0.21	0.40	-3.99	30.00	33.99		0.61	0.65	1.26	1.01	36.00	34.99	
5785	53	0.19	0.20	0.40	-4.00	30.00	34.00		0.61	0.64	1.26	1.00	36.00	35.00	
	54	0.18	0.20	0.39	-4.14	30.00	34.14		0.58	0.64	1.22	0.86	36.00	35.14	
5825	53	0.17	0.20	0.36	-4.39	30.00	34.39		0.52	0.63	1.15	0.61	36.00	35.39	
	54	0.17	0.20	0.37	-4.27	30.00	34.27		0.54	0.64	1.18	0.73	36.00	35.27	

Tested Frequency [MHz]	RU Index		RBW Correction Factor [dB]	RF0						RF1					
				PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	53	-	0.00	-17.47	3.44	9.71	5.00	-4.32	0.68	-17.75	3.41	9.98	5.00	-4.36	0.65
	54	-	0.00	-17.40	3.44	9.71	5.00	-4.25	0.75	-17.79	3.41	9.98	5.00	-4.40	0.60
5220	53	-	0.00	-16.97	3.44	9.72	5.00	-3.81	1.19	-17.70	3.42	9.98	5.00	-4.30	0.70
	54	-	0.00	-16.83	3.44	9.72	5.00	-3.67	1.33	-17.36	3.42	9.98	5.00	-3.96	1.04
5240	53	-	0.00	-16.89	3.45	9.72	5.00	-3.72	1.28	-17.42	3.43	9.98	5.00	-4.01	0.99
	54	-	0.00	-17.10	3.45	9.72	5.00	-3.93	1.07	-17.74	3.43	9.98	5.00	-4.33	0.67
5745	53	-	6.99	-27.84	3.65	9.73	5.00	-7.47	-2.47	-27.52	3.63	9.99	5.00	-6.91	-1.91
	54	-	6.99	-27.50	3.65	9.73	5.00	-7.13	-2.13	-27.48	3.63	9.99	5.00	-6.87	-1.87
5785	53	-	6.99	-27.50	3.66	9.73	5.00	-7.12	-2.12	-27.53	3.64	9.99	5.00	-6.91	-1.91
	54	-	6.99	-27.73	3.66	9.73	5.00	-7.35	-2.35	-27.59	3.64	9.99	5.00	-6.97	-1.97
5825	53	-	6.99	-28.22	3.69	9.73	5.00	-7.81	-2.81	-27.66	3.66	9.99	5.00	-7.02	-2.02
	54	-	6.99	-28.05	3.69	9.73	5.00	-7.64	-2.64	-27.59	3.66	9.99	5.00	-6.95	-1.95

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-20(OFDMA), 242-tone RU

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		RF0	RF1	Sum					RF0	RF1	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5180	61	0.17	0.17	0.35	-4.58	11.00	15.58		0.55	0.55	1.10	0.42	17.00	16.58	
5220	61	0.20	0.18	0.37	-4.27	11.00	15.27		0.62	0.56	1.18	0.73	17.00	16.27	
5240	61	0.20	0.17	0.37	-4.32	11.00	15.32		0.62	0.55	1.17	0.68	17.00	16.32	
5745	61	0.09	0.09	0.18	-7.46	30.00	37.46		0.27	0.30	0.57	-2.46	36.00	38.46	
5785	61	0.09	0.10	0.19	-7.26	30.00	37.26		0.29	0.31	0.59	-2.26	36.00	38.26	
5825	61	0.08	0.10	0.18	-7.52	30.00	37.52		0.25	0.31	0.56	-2.52	36.00	38.52	

Tested Frequency [MHz]	RU Index	-	RF0							RF1						
			RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	
			[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
5180	61	-	0.00	-20.74	3.44	9.71	5.00	-7.59	-2.59	-20.97	3.41	9.98	5.00	-7.58	-2.58	
5220	61	-	0.00	-20.21	3.44	9.72	5.00	-7.05	-2.05	-20.92	3.42	9.98	5.00	-7.52	-2.52	
5240	61	-	0.00	-20.23	3.45	9.72	5.00	-7.06	-2.06	-21.03	3.43	9.98	5.00	-7.62	-2.62	
5745	61	-	6.99	-31.05	3.65	9.73	5.00	-10.68	-5.68	-30.87	3.63	9.99	5.00	-10.26	-5.26	
5785	61	-	6.99	-30.81	3.66	9.73	5.00	-10.43	-5.43	-30.74	3.64	9.99	5.00	-10.12	-5.12	
5825	61	-	6.99	-31.35	3.69	9.73	5.00	-10.94	-5.94	-30.79	3.66	9.99	5.00	-10.15	-5.15	

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11n-40

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	RF0	RF1	Sum				RF0	RF1	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.08	0.08	0.16	-7.87	11.00	18.87	0.26	0.26	0.52	-2.87	17.00	19.87
5230	0.09	0.08	0.17	-7.65	11.00	18.65	0.28	0.26	0.54	-2.65	17.00	19.65
5755	0.05	0.05	0.11	-9.77	30.00	39.77	0.17	0.16	0.33	-4.77	36.00	40.77
5795	0.06	0.05	0.11	-9.63	30.00	39.63	0.18	0.17	0.34	-4.63	36.00	40.63

			RF0						RF1					
Tested Frequency	-	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
[MHz]		[dB]	[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]
5190	-	0.00	-24.06	3.44	9.71	5.00	-10.91	-5.91	-24.24	3.41	9.98	5.00	-10.85	-5.85
5230	-	0.00	-23.66	3.45	9.72	5.00	-10.49	-5.49	-24.24	3.43	9.98	5.00	-10.83	-5.83
5755	-	6.99	-33.07	3.65	9.73	5.00	-12.70	-7.70	-33.46	3.63	9.99	5.00	-12.85	-7.85
5795	-	6.99	-32.90	3.67	9.73	5.00	-12.51	-7.51	-33.41	3.65	9.99	5.00	-12.78	-7.78

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11ac-40

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	RF0	RF1	Sum				RF0	RF1	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.08	0.07	0.15	-8.32	11.00	19.32	0.25	0.21	0.47	-3.32	17.00	20.32
5230	0.08	0.07	0.15	-8.20	11.00	19.20	0.26	0.22	0.48	-3.20	17.00	20.20
5755	0.05	0.04	0.09	-10.36	30.00	40.36	0.15	0.14	0.29	-5.36	36.00	41.36
5795	0.06	0.05	0.11	-9.58	30.00	39.58	0.20	0.15	0.35	-4.58	36.00	40.58

			RF0						RF1					
Tested Frequency	-	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	-	0.00	-24.09	3.44	9.71	5.00	-10.94	-5.94	-25.14	3.41	9.98	5.00	-11.75	-6.75
5230	-	0.00	-24.09	3.45	9.72	5.00	-10.92	-5.92	-24.93	3.43	9.98	5.00	-11.52	-6.52
5755	-	6.99	-33.59	3.65	9.73	5.00	-13.22	-8.22	-34.14	3.63	9.99	5.00	-13.53	-8.53
5795	-	6.99	-32.43	3.67	9.73	5.00	-12.04	-7.04	-33.85	3.65	9.99	5.00	-13.22	-8.22

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 30, 2023
Temperature / Humidity 27 deg. C / 44 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-40(OFDM)

RF0 + RF1 Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	PSD (Conducted)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	RF0	RF1	Sum				RF0	RF1	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.08	0.07	0.15	-8.17	11.00	19.17	0.25	0.23	0.48	-3.17	17.00	20.17
5230	0.08	0.07	0.15	-8.16	11.00	19.16	0.25	0.23	0.48	-3.16	17.00	20.16
5755	0.04	0.04	0.07	-11.42	30.00	41.42	0.11	0.11	0.23	-6.42	36.00	42.42
5795	0.05	0.04	0.09	-10.57	30.00	40.57	0.15	0.13	0.28	-5.57	36.00	41.57

			RF0						RF1					
Tested Frequency	-	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	-	0.00	-24.21	3.44	9.71	5.00	-11.06	-6.06	-24.70	3.41	9.98	5.00	-11.31	-6.31
5230	-	0.00	-24.15	3.45	9.72	5.00	-10.98	-5.98	-24.79	3.43	9.98	5.00	-11.38	-6.38
5755	-	6.99	-34.79	3.65	9.73	5.00	-14.42	-9.42	-35.04	3.63	9.99	5.00	-14.43	-9.43
5795	-	6.99	-33.70	3.67	9.73	5.00	-13.31	-8.31	-34.49	3.65	9.99	5.00	-13.86	-8.86

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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