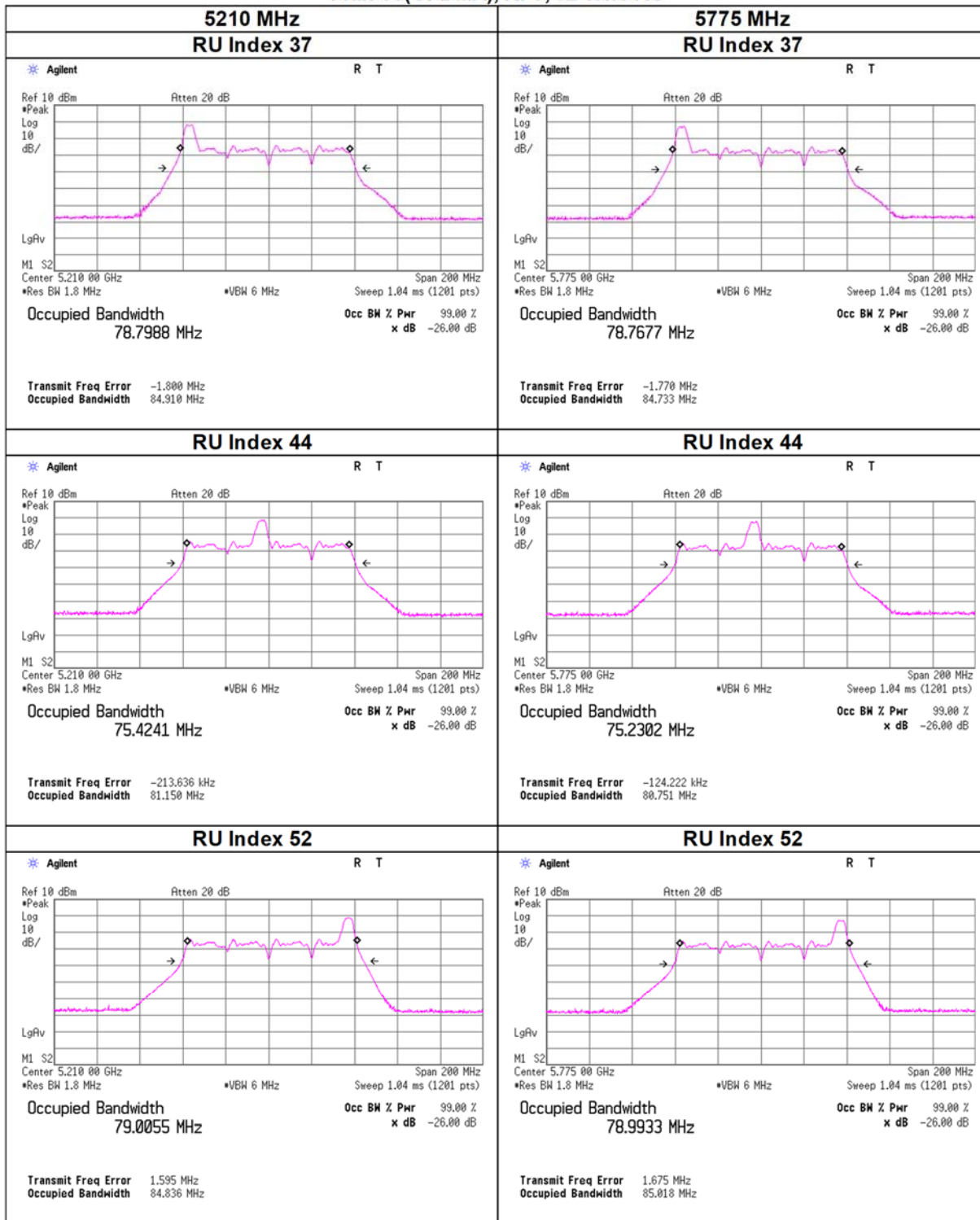


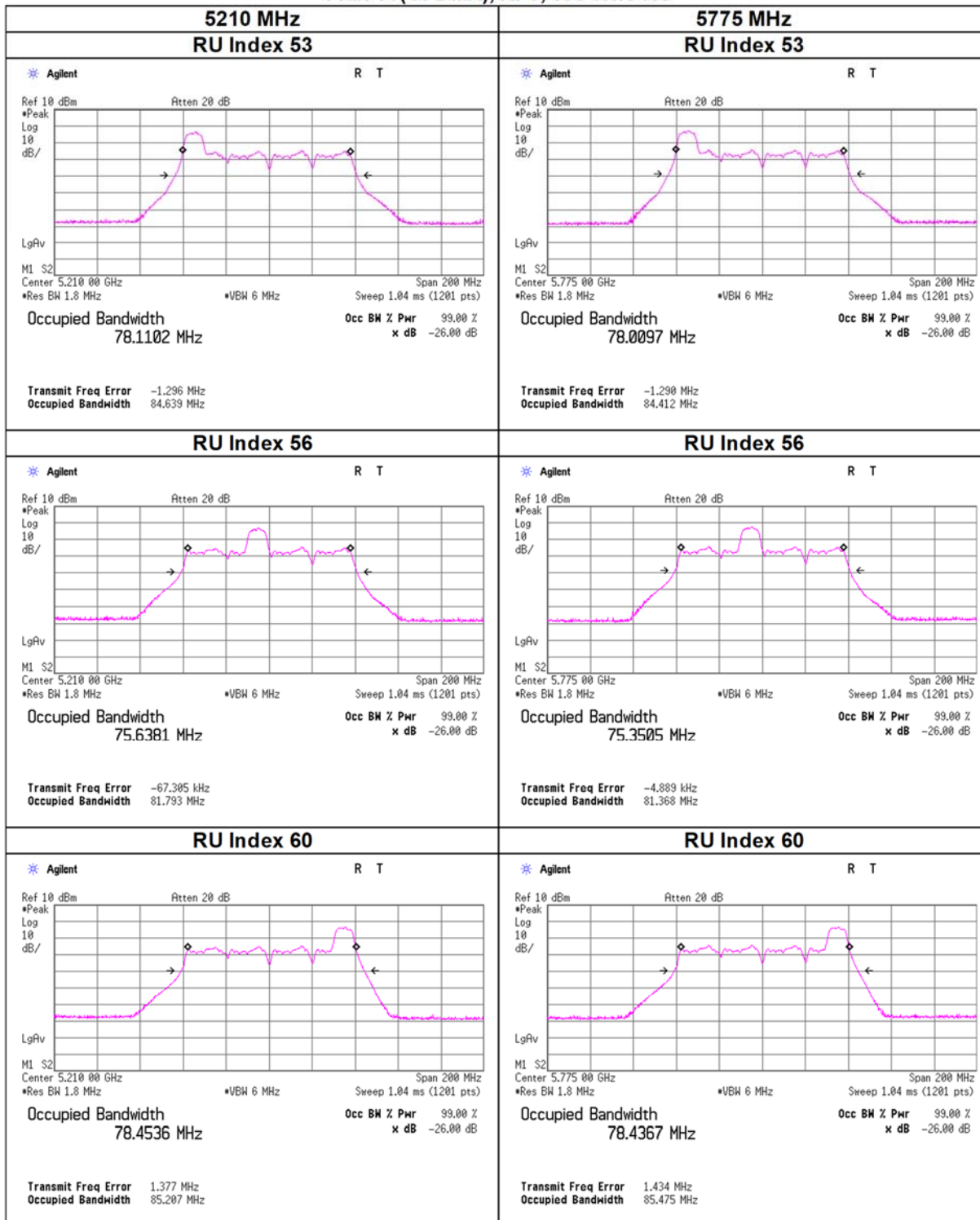
99 % Occupied Bandwidth

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



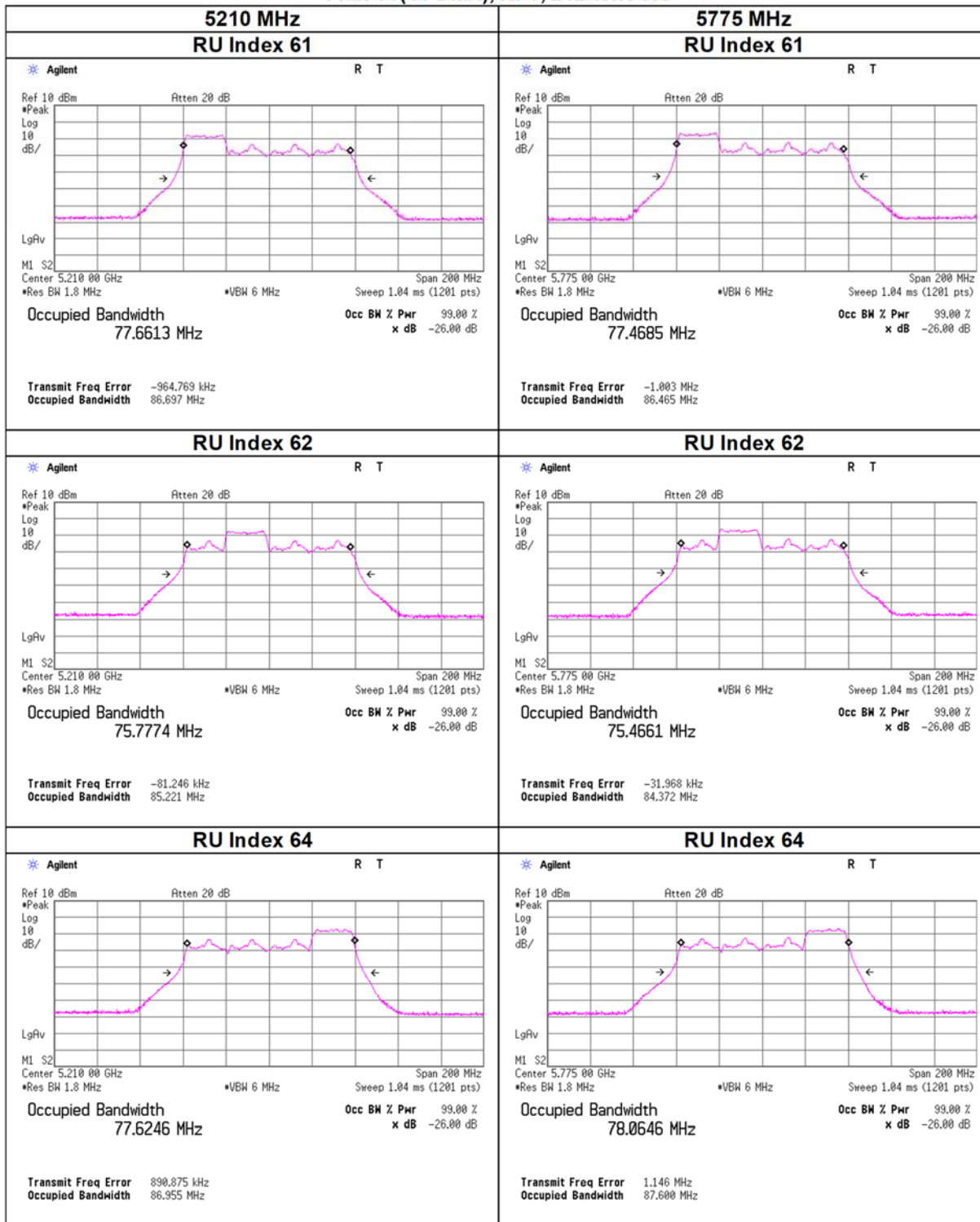
99 % Occupied Bandwidth

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



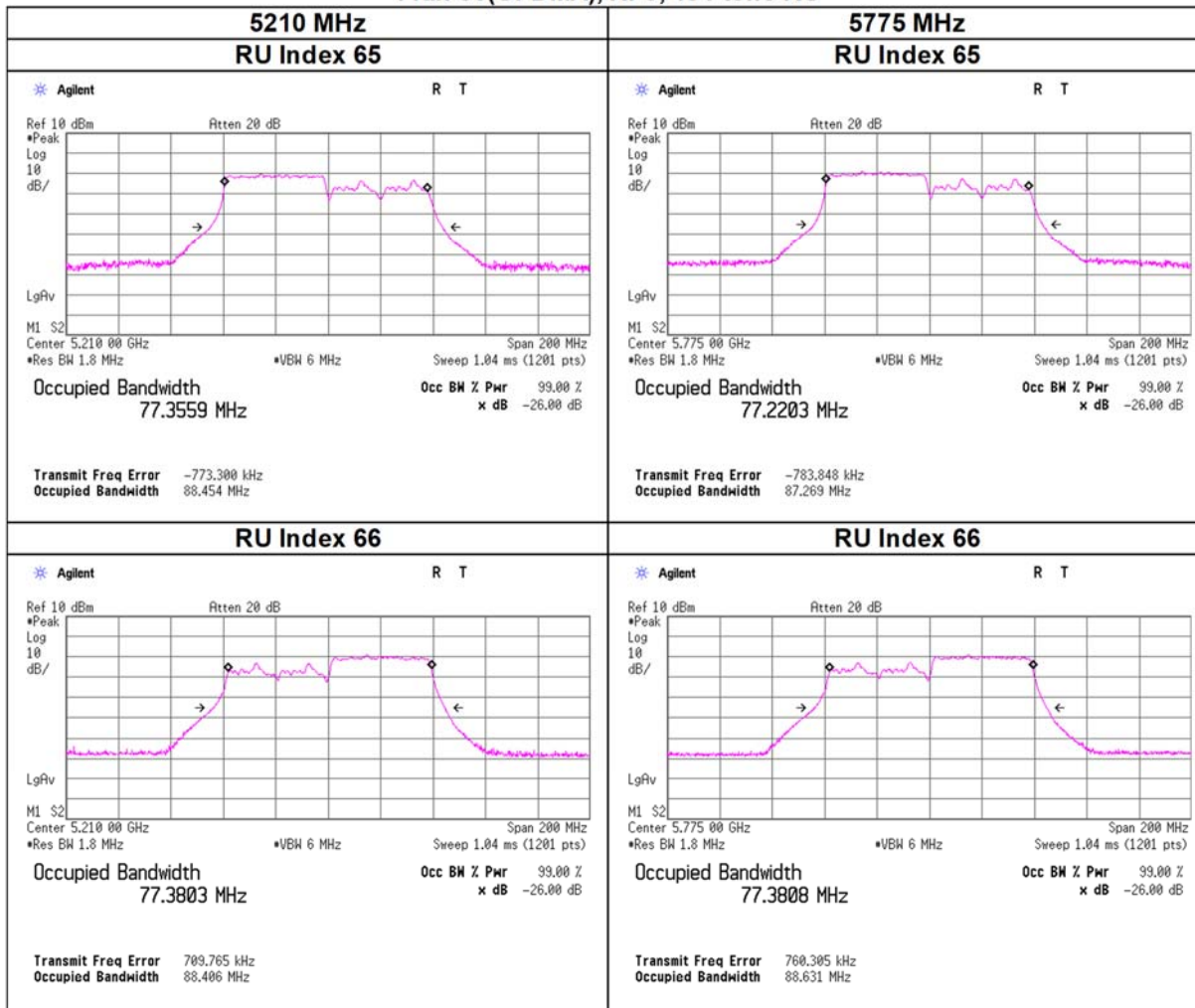
99 % Occupied Bandwidth

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

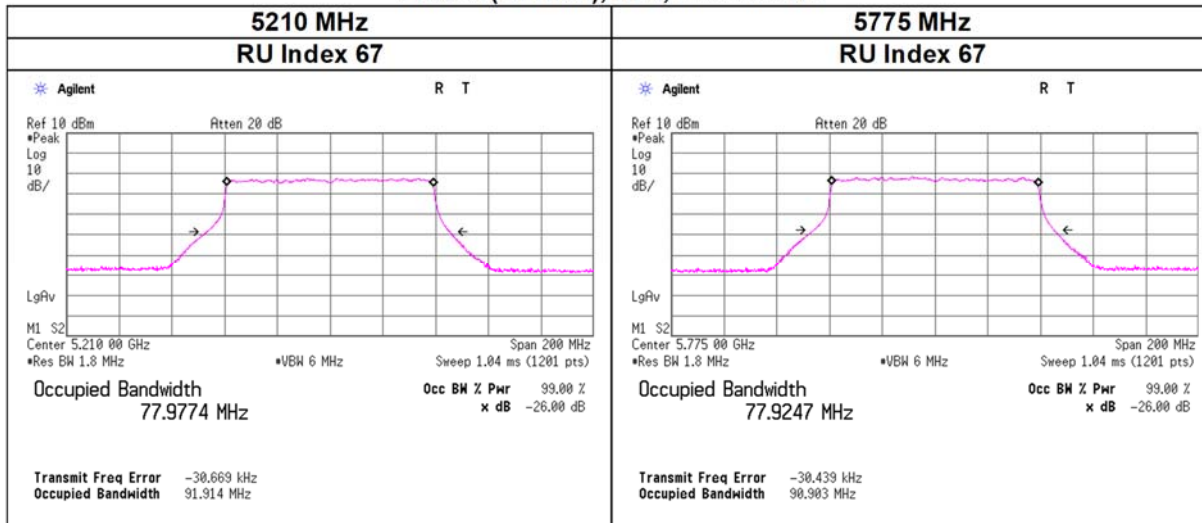


99 % Occupied Bandwidth

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	May 8, 2023
Temperature / Humidity	26 deg. C / 35 % RH
Engineer	Shiro Kobayashi
Mode	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	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-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	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

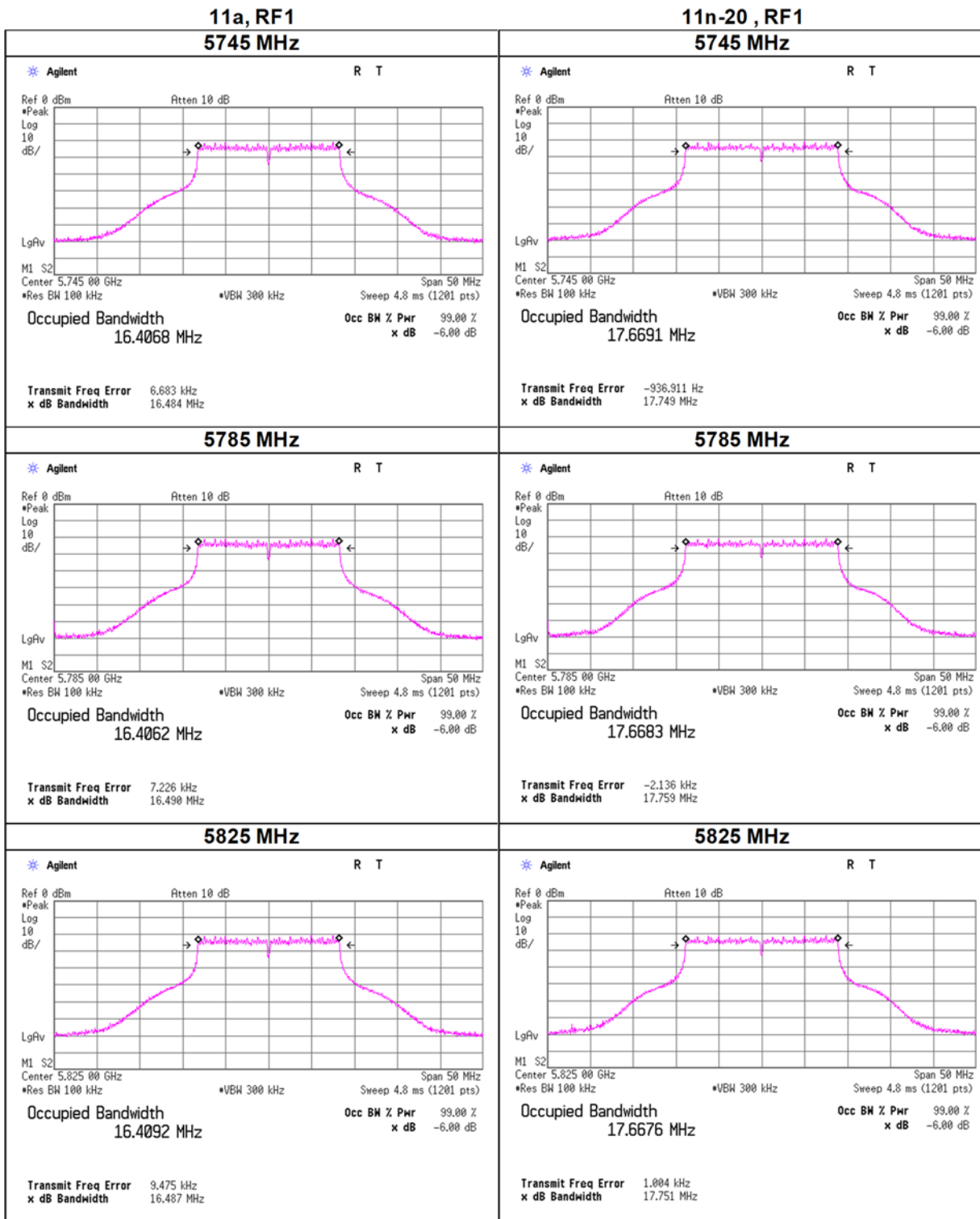
11ax-80(OFDMA)

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

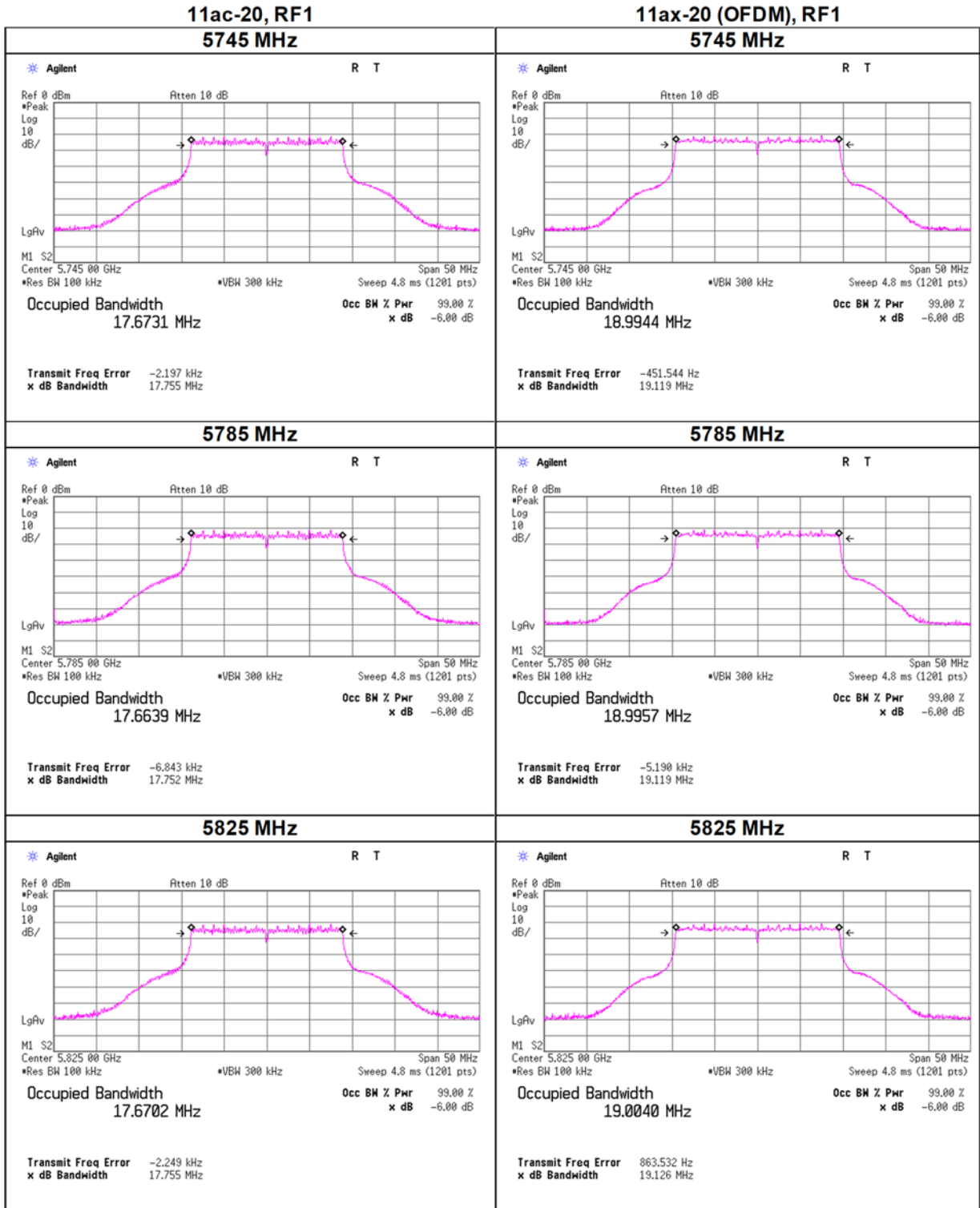
11ax-80(OFDMA)

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

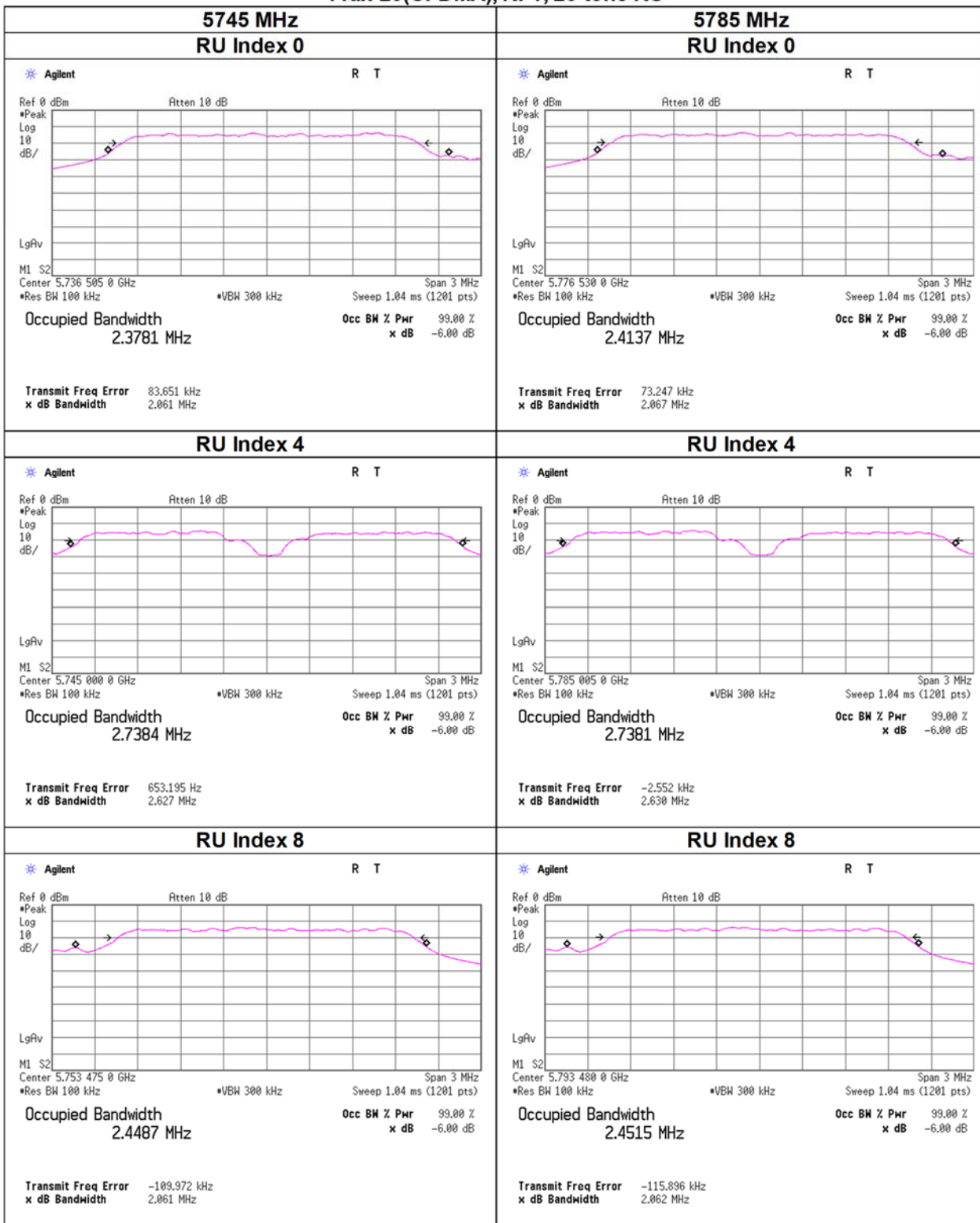


6 dB Bandwidth



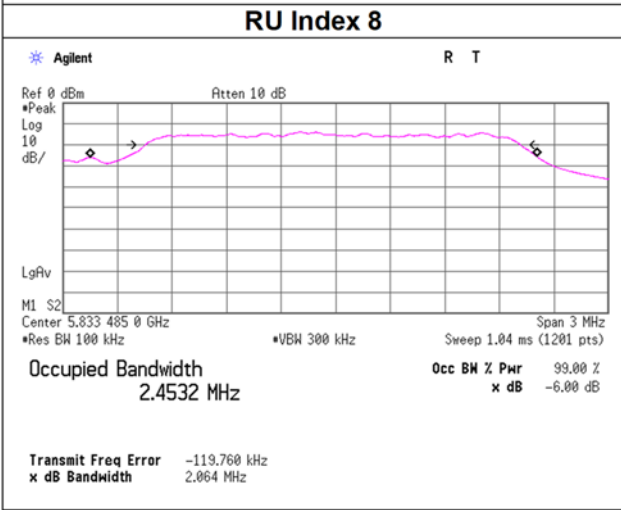
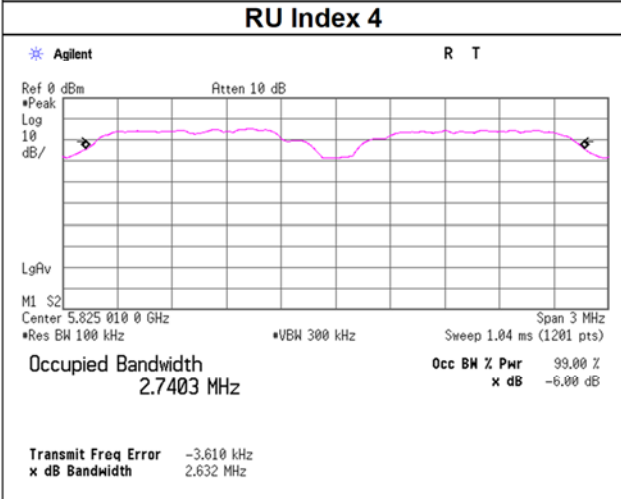
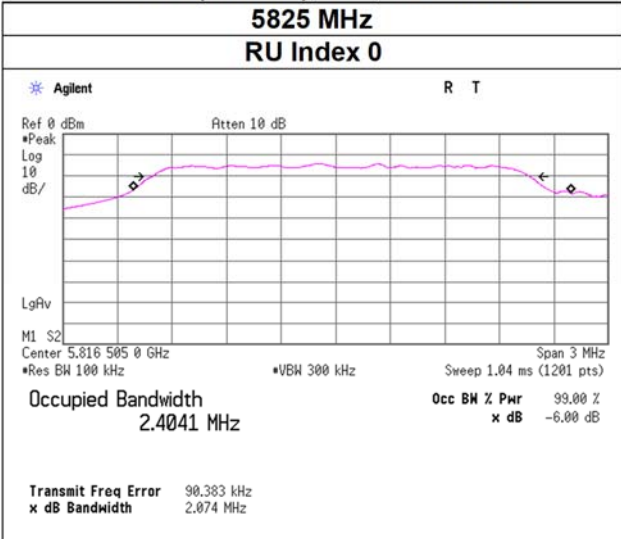
6 dB Bandwidth

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



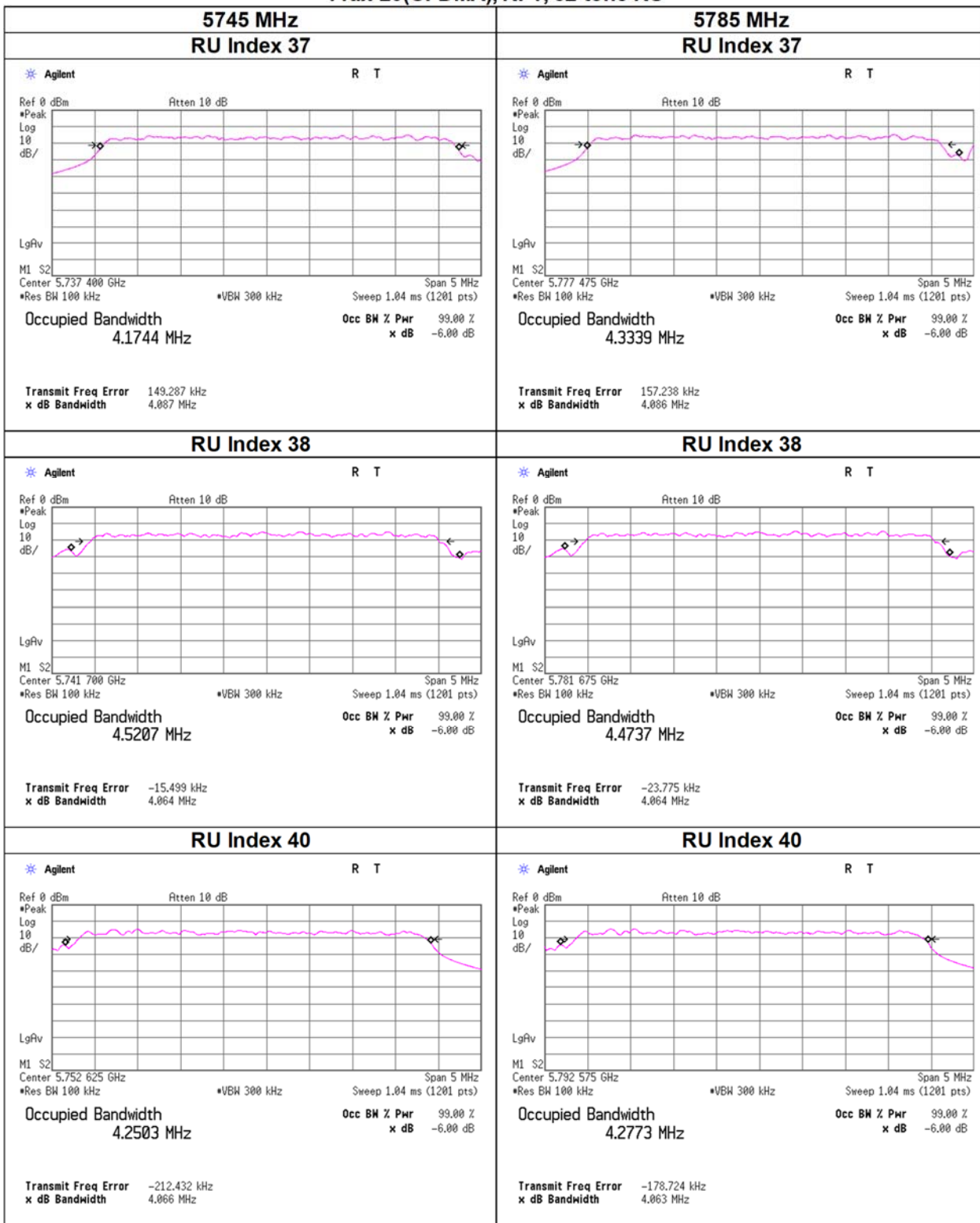
6 dB Bandwidth

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



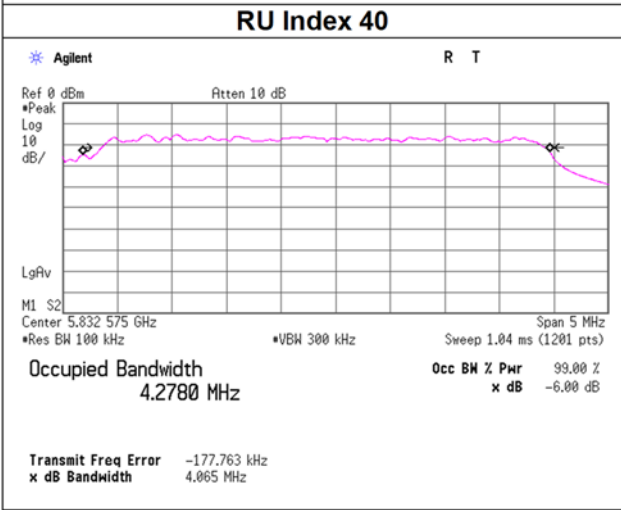
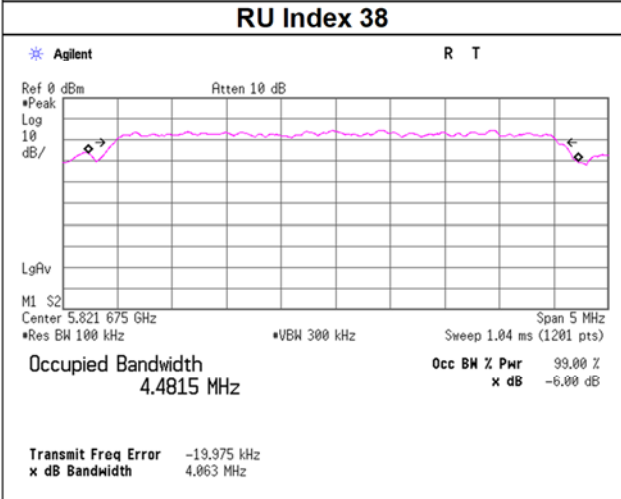
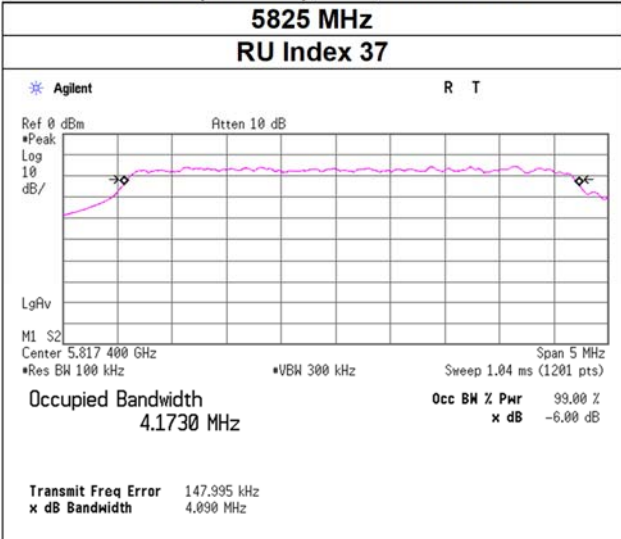
6 dB Bandwidth

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



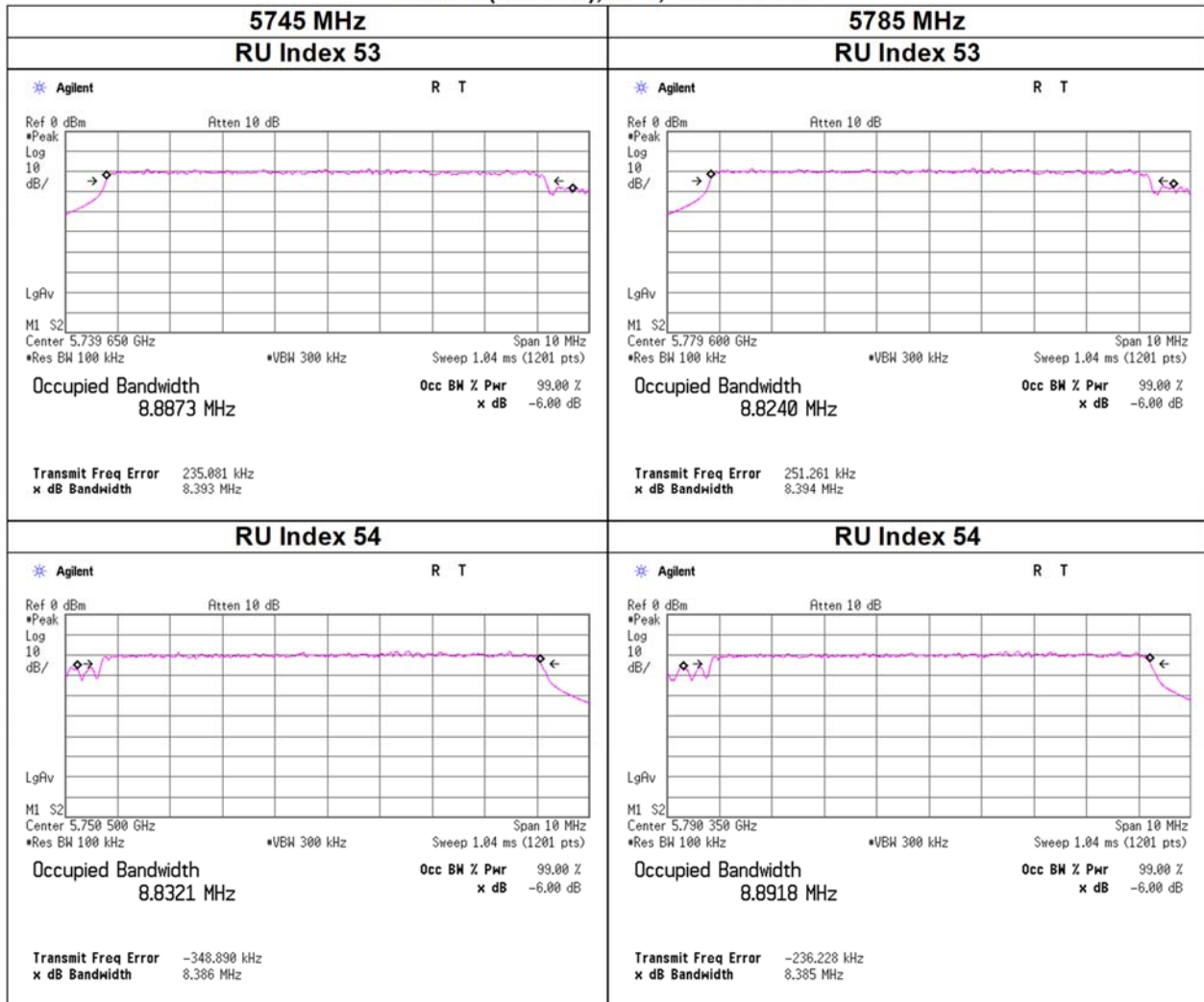
6 dB Bandwidth

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

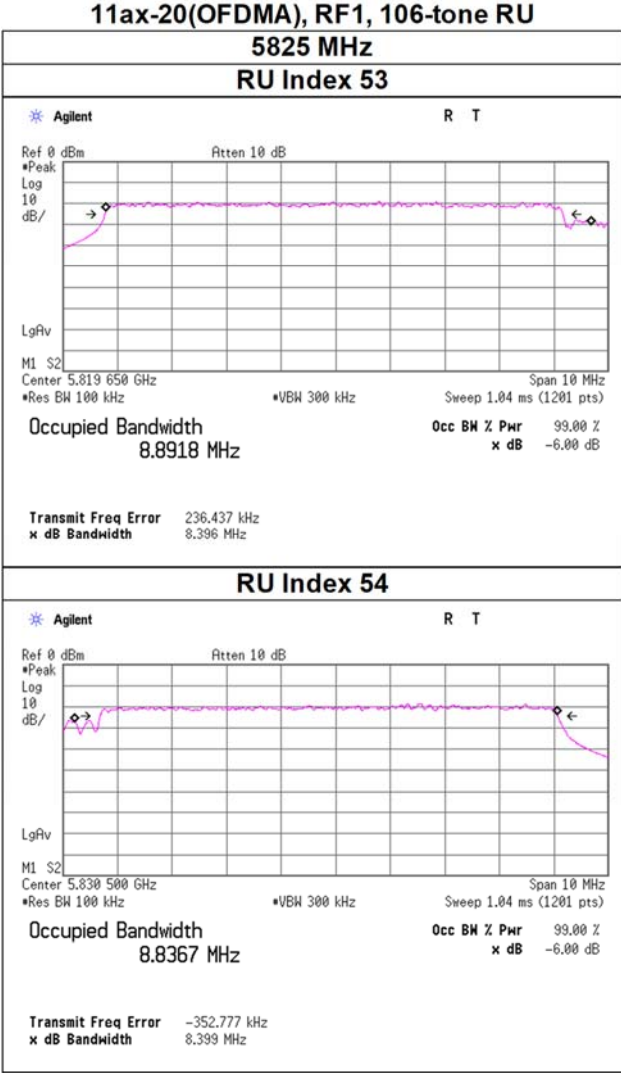


6 dB Bandwidth

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

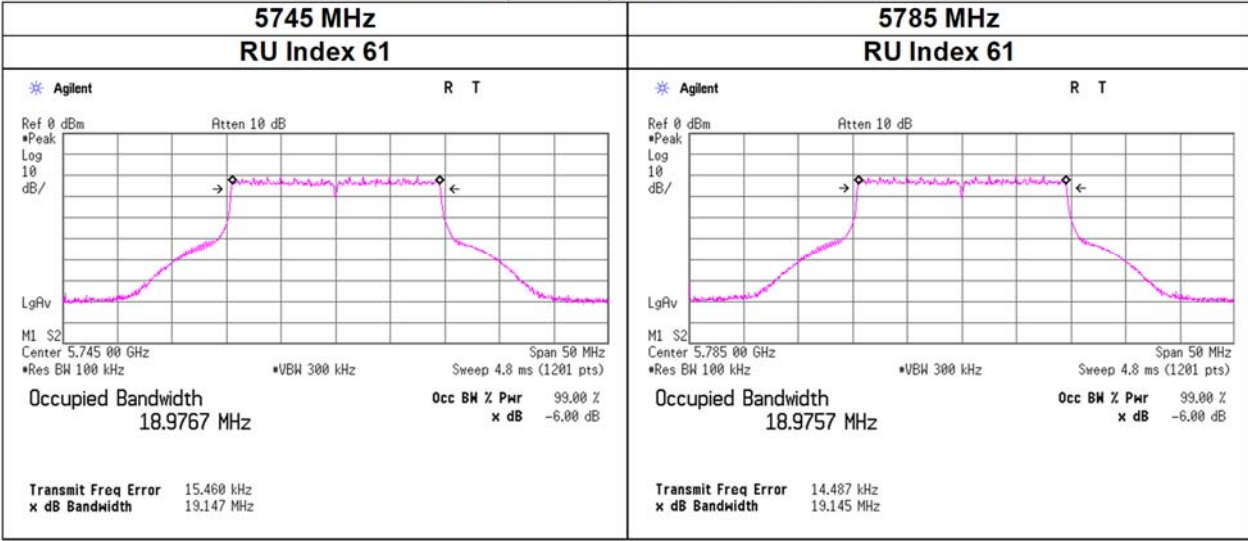


6 dB Bandwidth

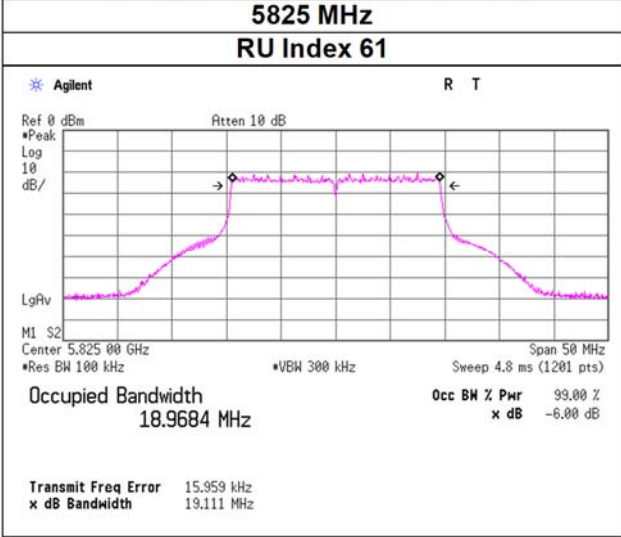


6 dB Bandwidth

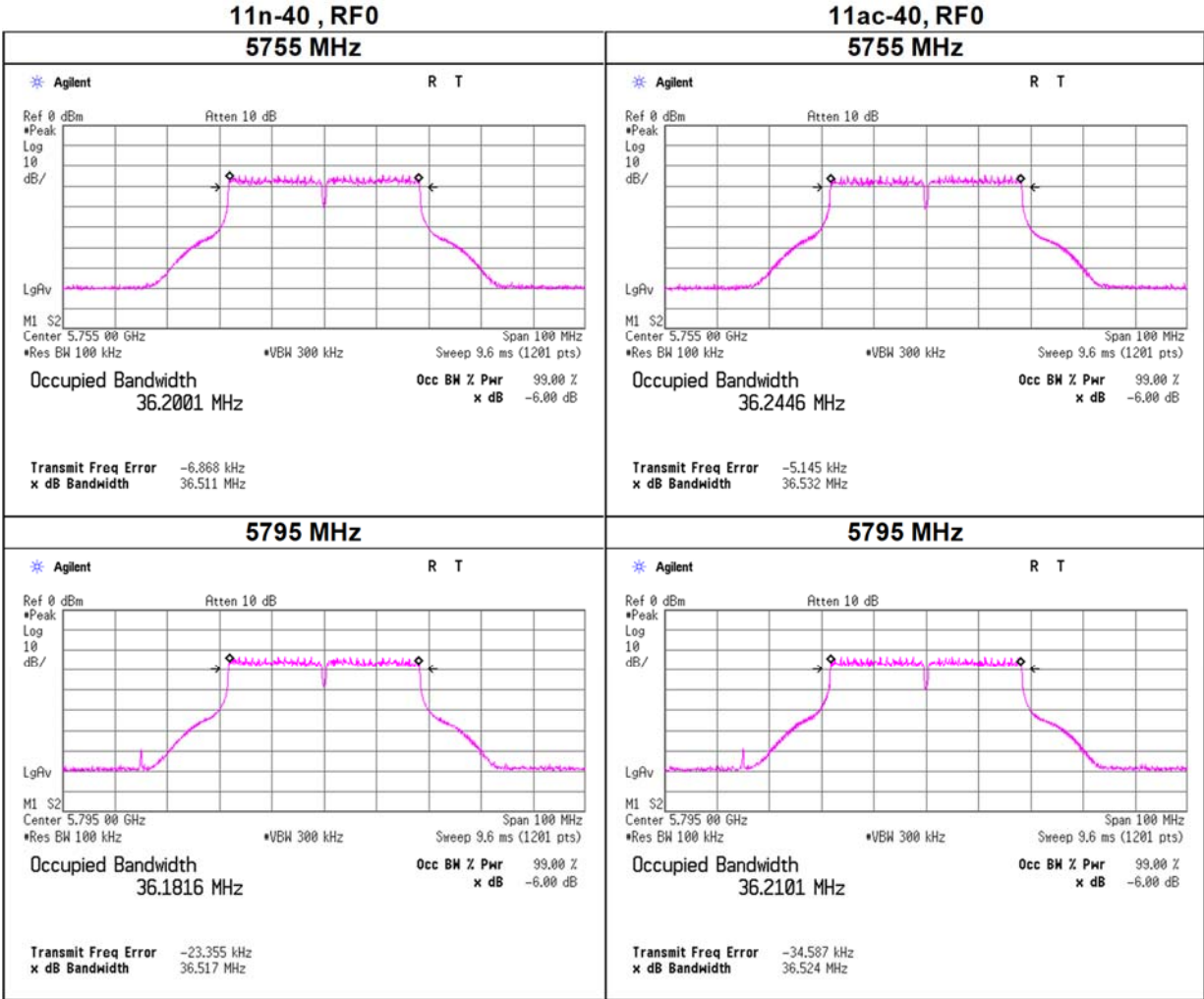
11ax-20(OFDMA), RF1, 242-tone RU



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

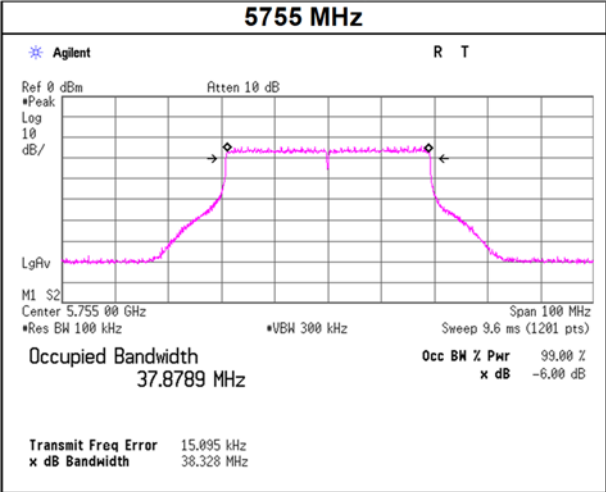


6 dB Bandwidth

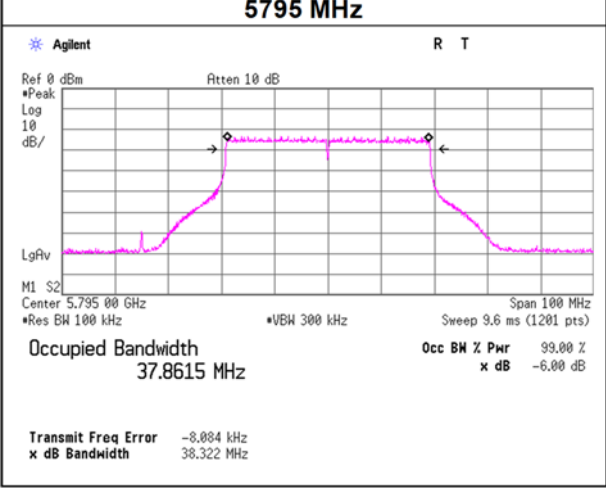


6 dB Bandwidth

**11ax-40 (OFDM), RF0
5755 MHz**

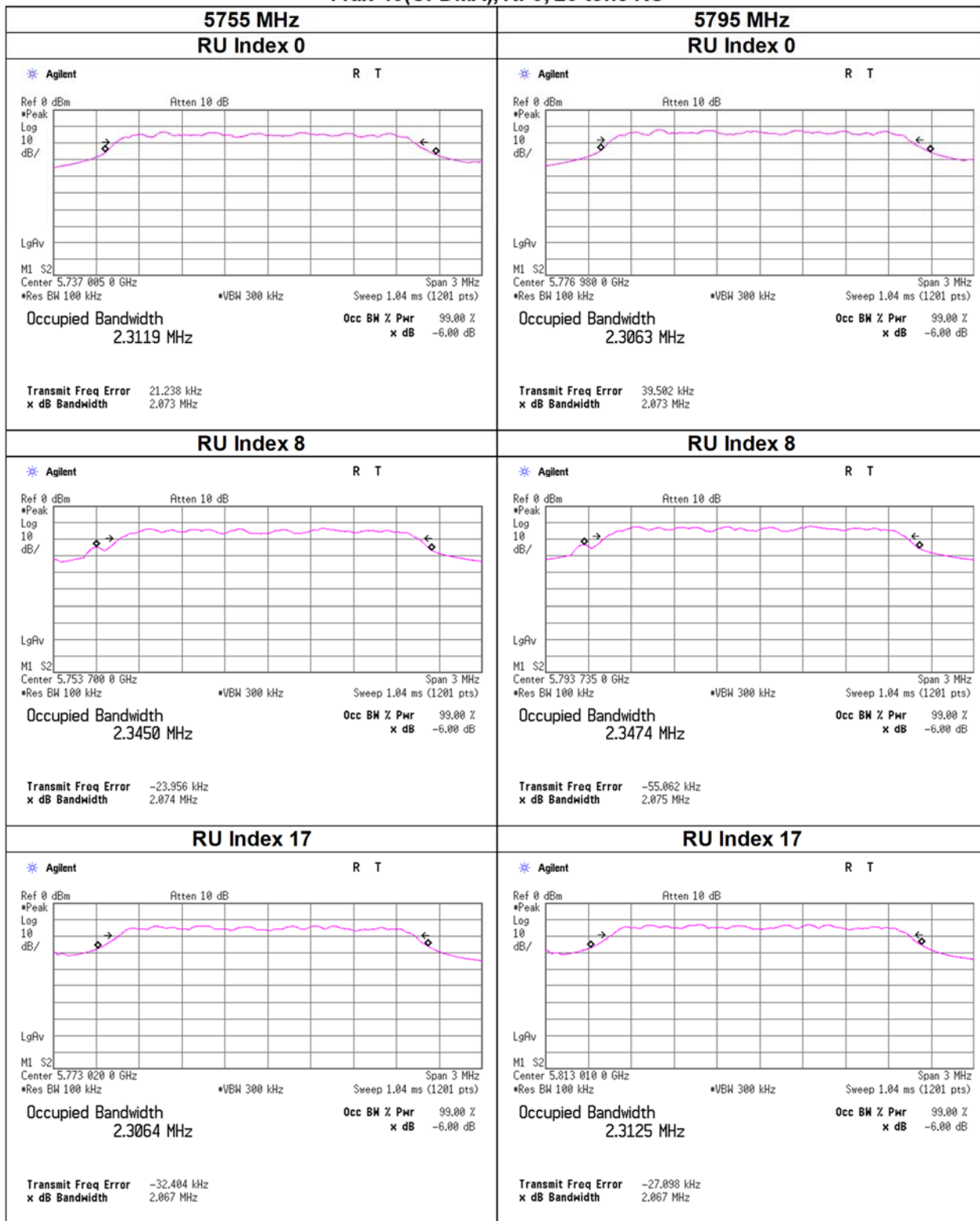


5795 MHz



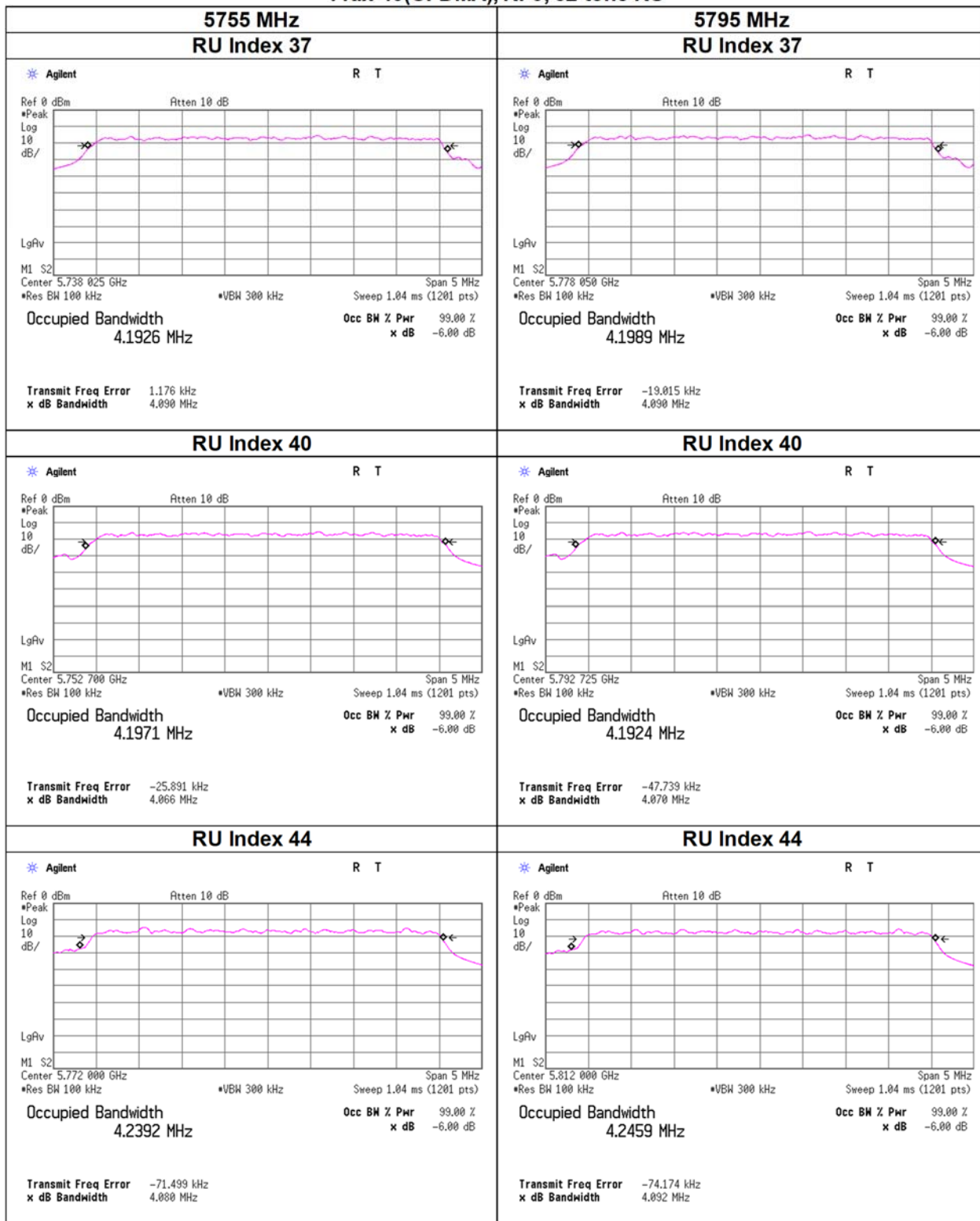
6 dB Bandwidth

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



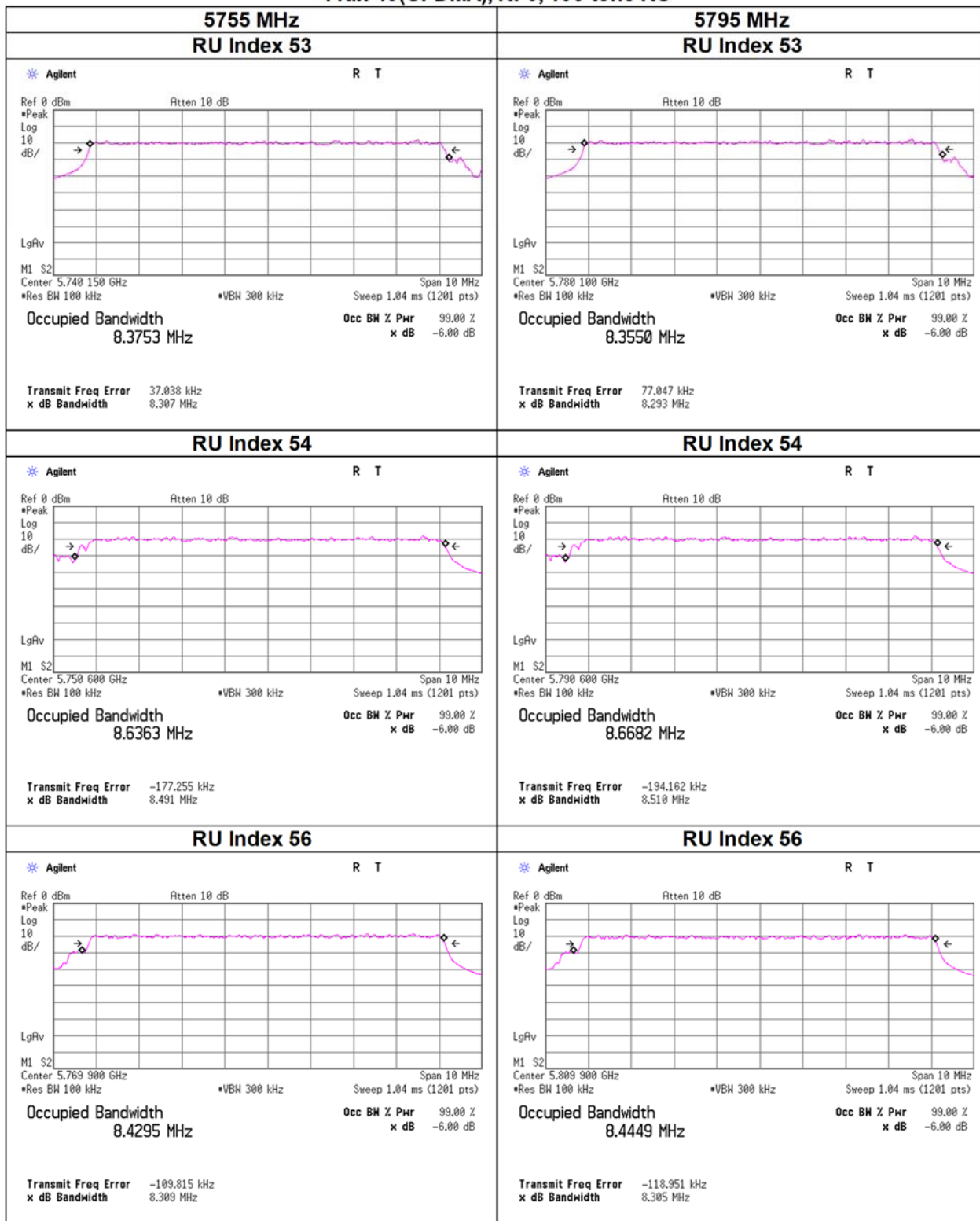
6 dB Bandwidth

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



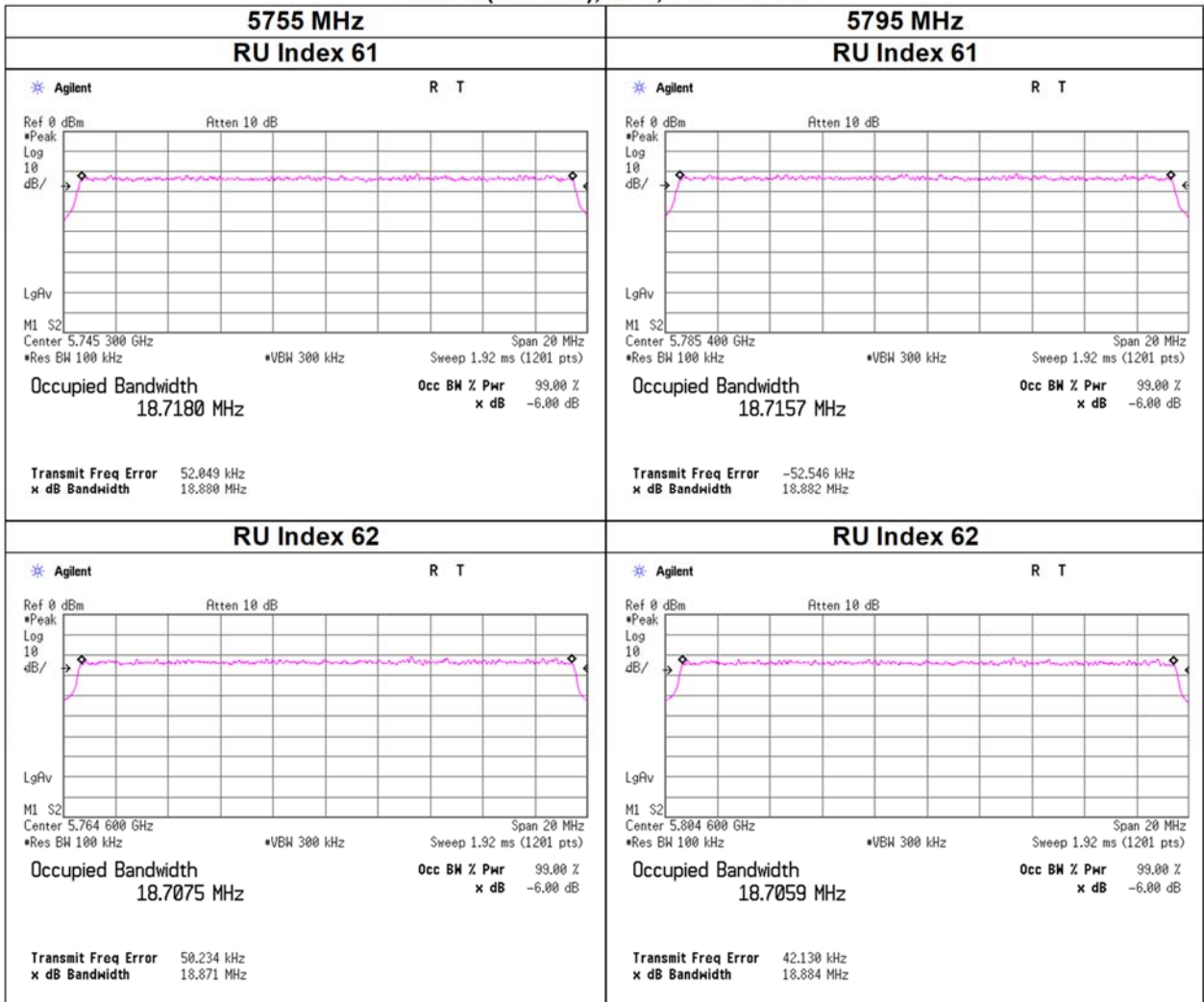
6 dB Bandwidth

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

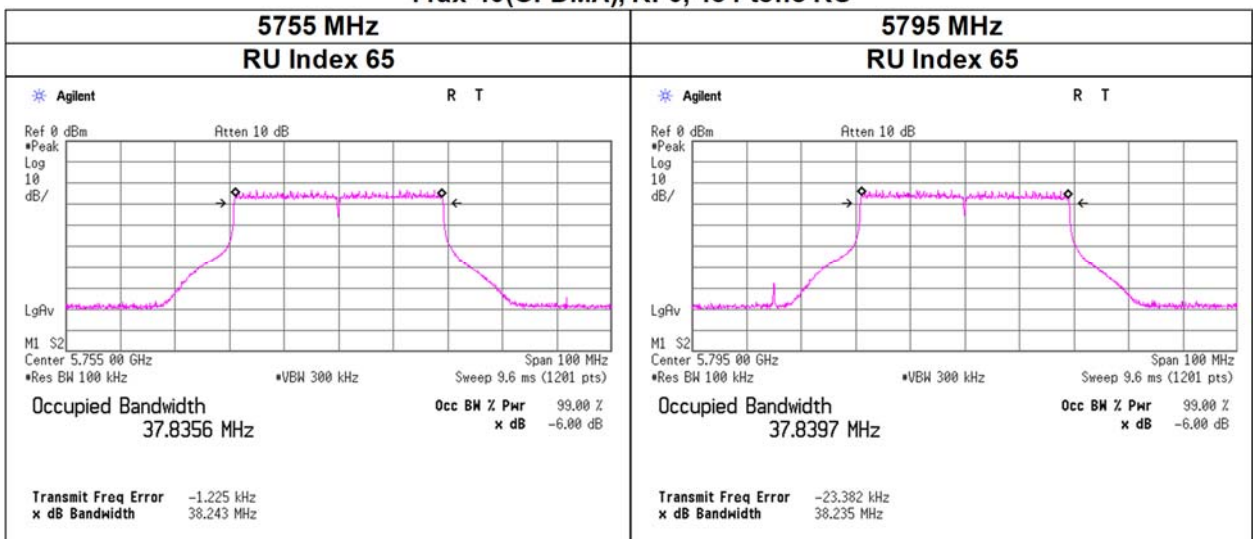


6 dB Bandwidth

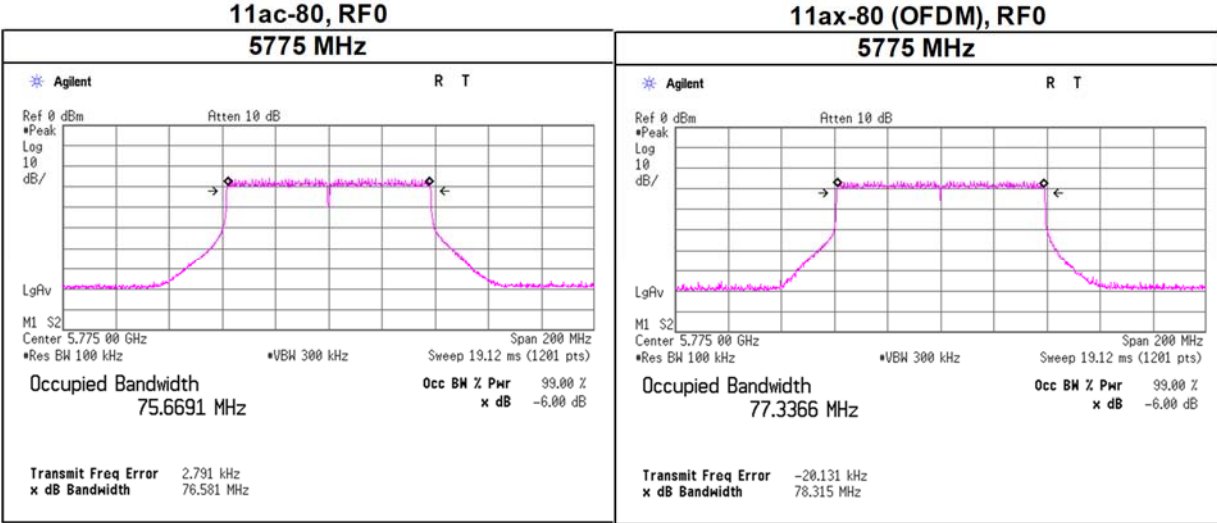
11ax-40(OFDMA), RF0, 242-tone RU



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



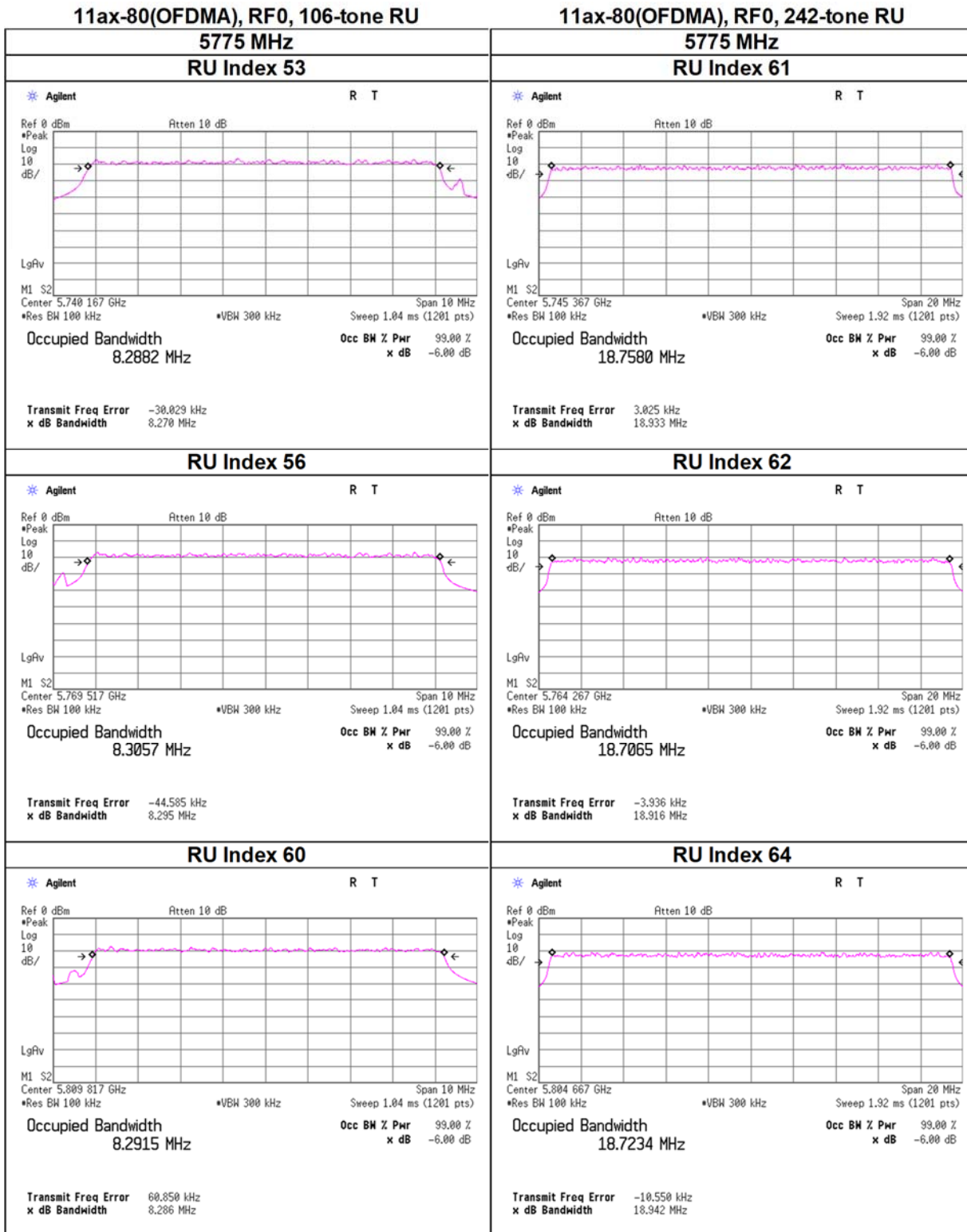
6 dB Bandwidth



6 dB Bandwidth

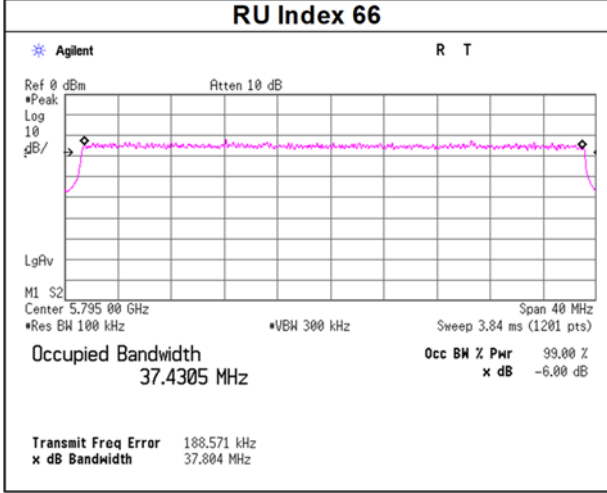
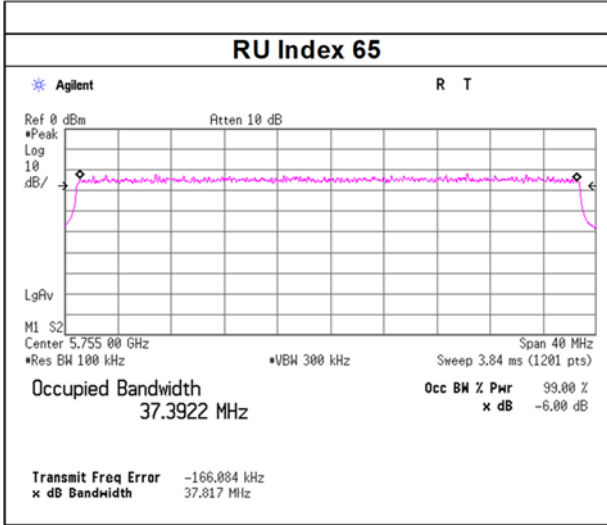


6 dB Bandwidth

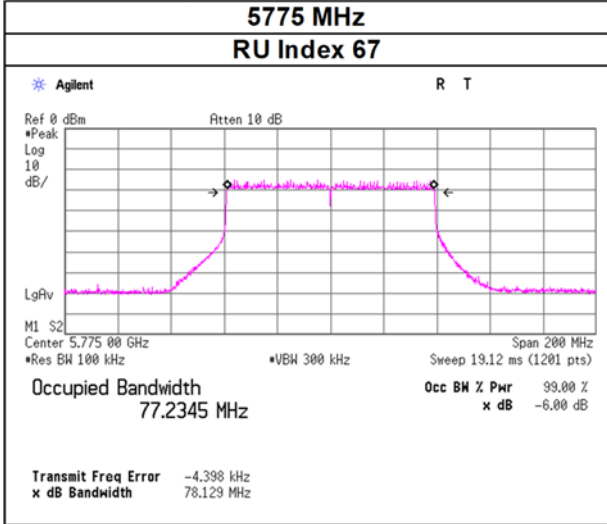


6 dB Bandwidth

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 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	-	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 [MHz]	-	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	Result		
						Cond. Power [dBm]	e.i.r.p. [dBm]					Cond. Power [dBm]	e.i.r.p. [dBm]	
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 [MHz]	-	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	-	-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 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	-	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 [MHz]	-	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	-	-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	Hirosama 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			Limit			Antenna			Result			Limit		
			RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	[dBm]	[dBm]	[dB]	RF0 [mW]	RF1 [mW]	Sum [mW]	[dBm]	[dBm]	[dB]	[dBm]	[dBm]	[dB]
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						

Tested Frequency [MHz]	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	-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	26 dB EBW [MHz] (B for FCC)	99 % OBW [MHz] (B for ISED)	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	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 [dBm]		Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result [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 [MHz]	99 % OBW [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 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	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 [MHz] (B for FCC)	99 % OBW [MHz] (B for ISED)	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]
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

Tested Frequency [MHz]	RU Index	-	RF0						RF1					
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5180	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	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 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	-	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 [MHz]	-	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	-	-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	Hirosasa 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 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	-	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

Tested Frequency [MHz]	-	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	-	-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 [MHz]	-	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5190	-	-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) 106-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW [MHz] (B for FCC)	99 % OBW [MHz] (B for ISED)	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	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

Tested Frequency [MHz]	RU Index	-	RF0					RF1					Result	
			Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Cond. Power [dBm]	e.i.r.p. [dBm]
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) 484-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW [MHz] (B for FCC)	99 % OBW [MHz] (B for ISED)	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	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	

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]
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 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]			
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 [MHz]	-	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	-	-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 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]	
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	

Tested Frequency [MHz]	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	-	-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 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]			
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]	Result Cond. Power [dBm]	e.i.r.p. [dBm]	Power Meter Reading [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Antenna Gain [dBi]	Result Cond. Power [dBm]	e.i.r.p. [dBm]
5210	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) 484-tone RU

RF0 + RF1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	26 dB EBW [MHz] (B for FCC)	99 % OBW [MHz] (B for ISED)	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	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

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	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	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	Hiomasa Sato
Mode	Tx 11ax-20(OFDm)

(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 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	Hiomasa Sato
Mode	Tx 11n-40

(Worst mode check)

(* P/M: Power Meter w 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 w 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	Hiomasa 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	Hiomasa Sato
Mode	Tx 11ax-80(OFDm)

(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 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			

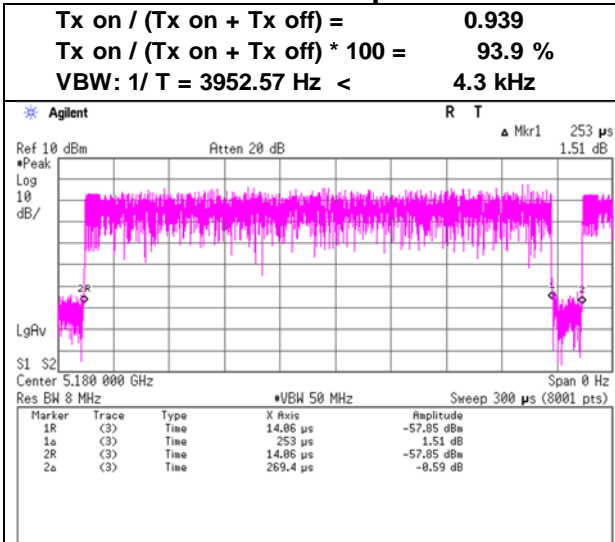
Sample Calculation:

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

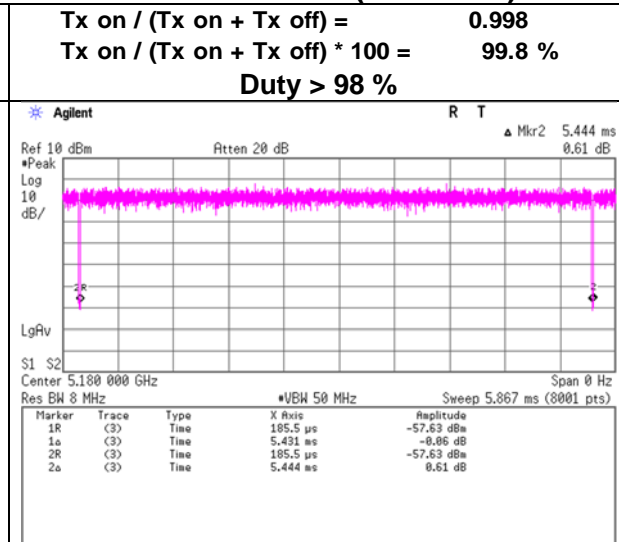
Burst rate confirmation

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

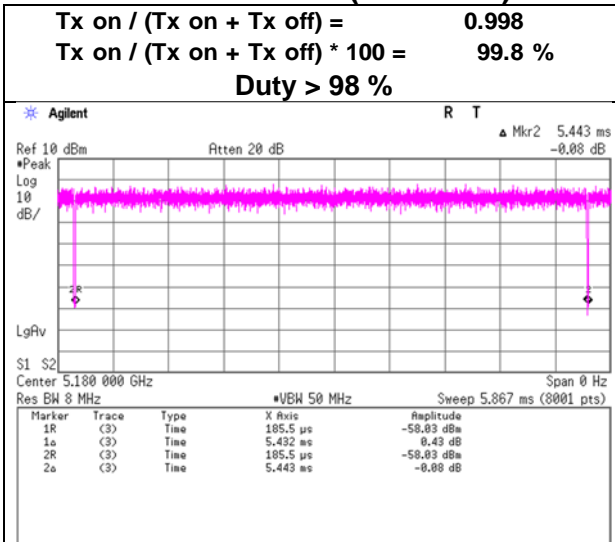
11a 54 Mbps



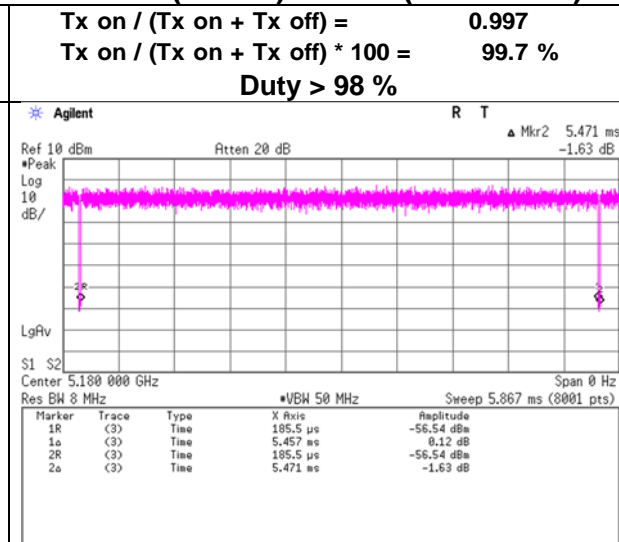
11n-20 MCS 14 (GI 800 ns)



11ac-20 MCS 5 (GI 800 ns)



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

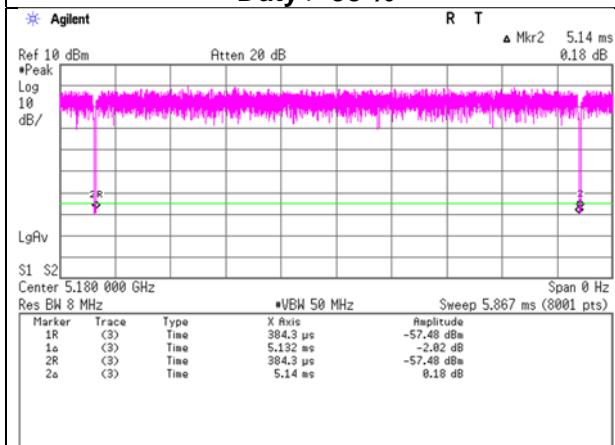


Burst rate confirmation

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

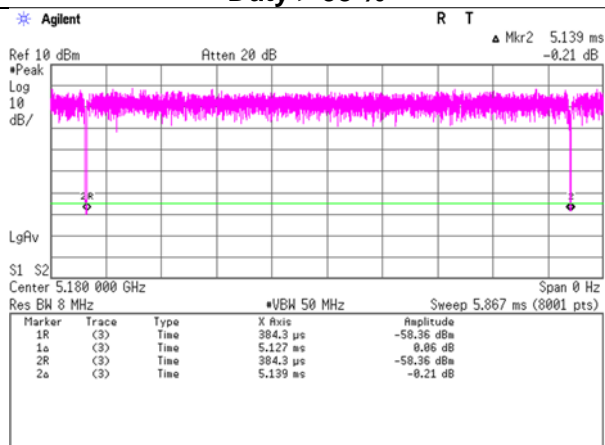
11ax-20(OFDMA), 26-tone RU MCS 5 (GI 1600 ns)

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



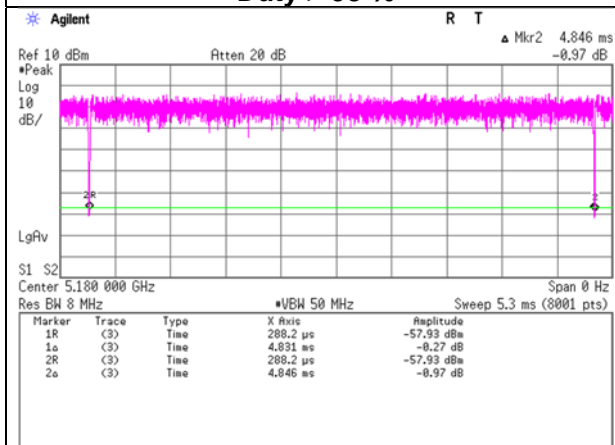
11ax-20(OFDMA), 52-tone RU MCS 5 (GI 1600 ns)

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



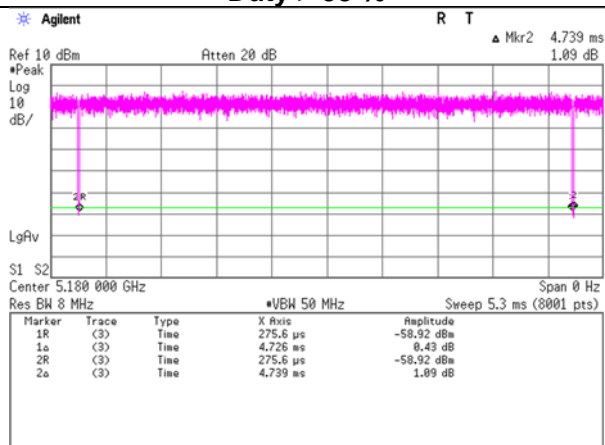
11ax-20(OFDMA), 104-tone RU MCS 5 (GI 1600 ns)

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



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

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

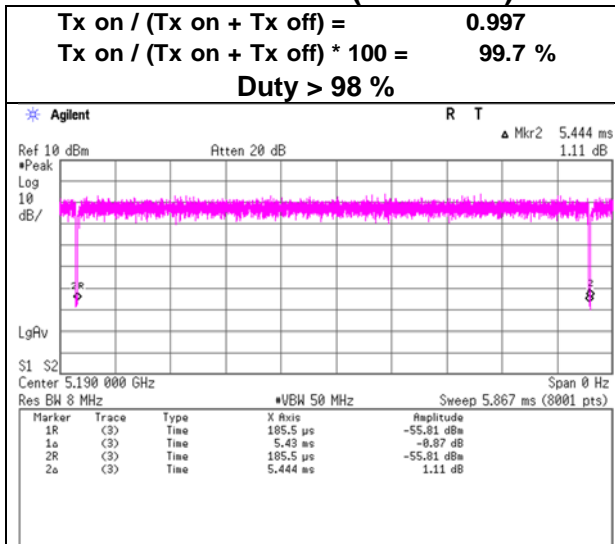


Burst rate confirmation

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

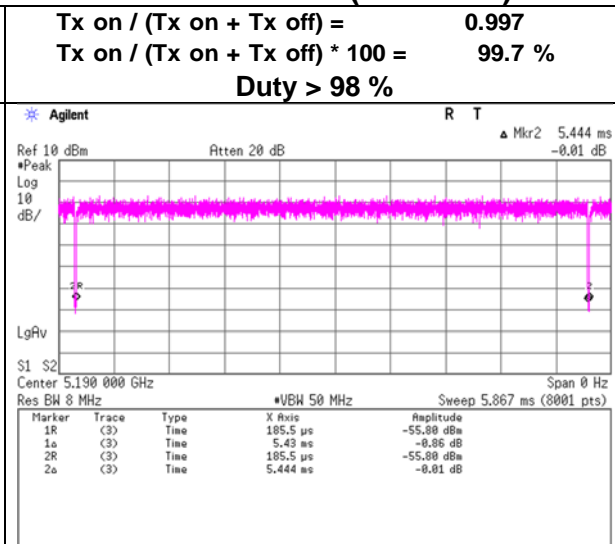
11n-40 MCS 13 (GI 800 ns)

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



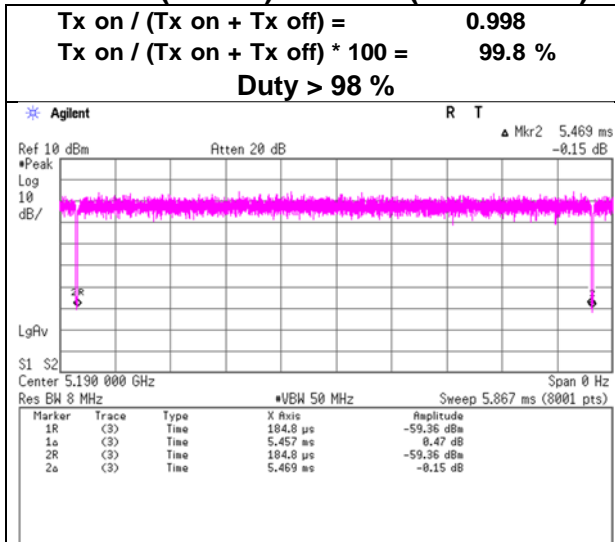
11ac-40 MCS 5 (GI 800 ns)

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 %

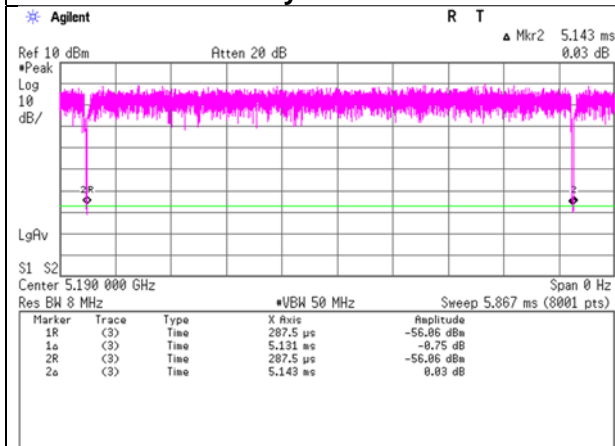


Burst rate confirmation

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

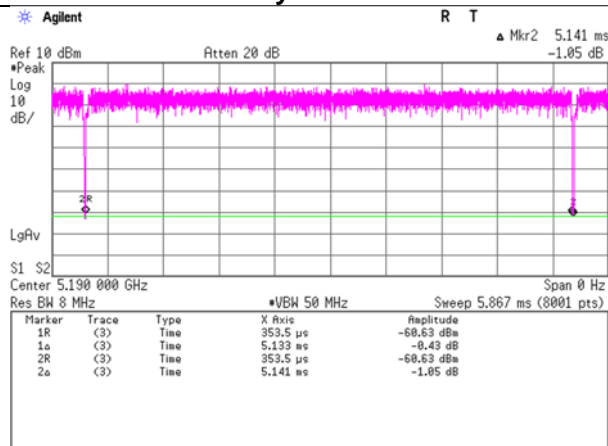
11ax-40(OFDMA), 26-tone RU MCS 10 (GI 1600 ns)

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



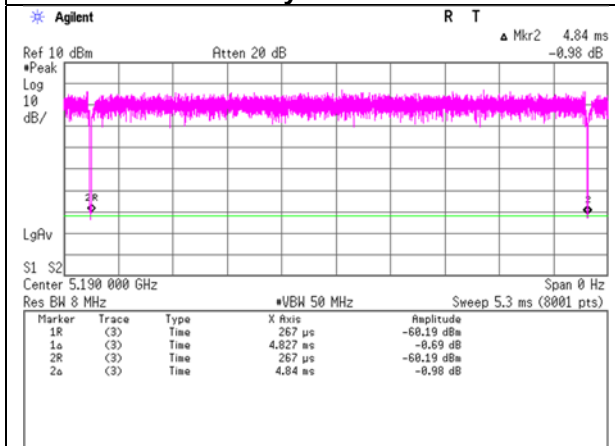
11ax-40(OFDMA), 52-tone RU MCS 10 (GI 1600 ns)

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



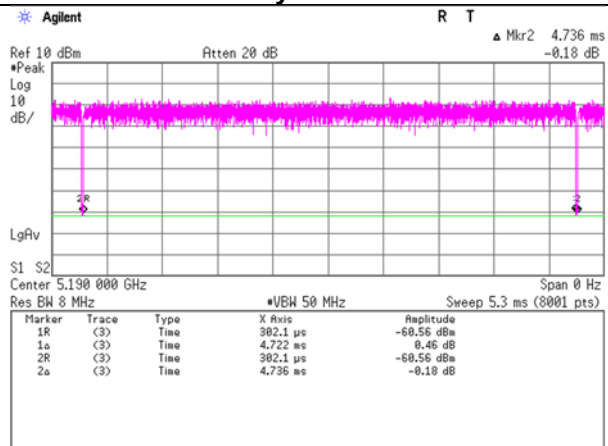
11ax-40(OFDMA), 106-tone RU MCS 10 (GI 1600 ns)

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



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

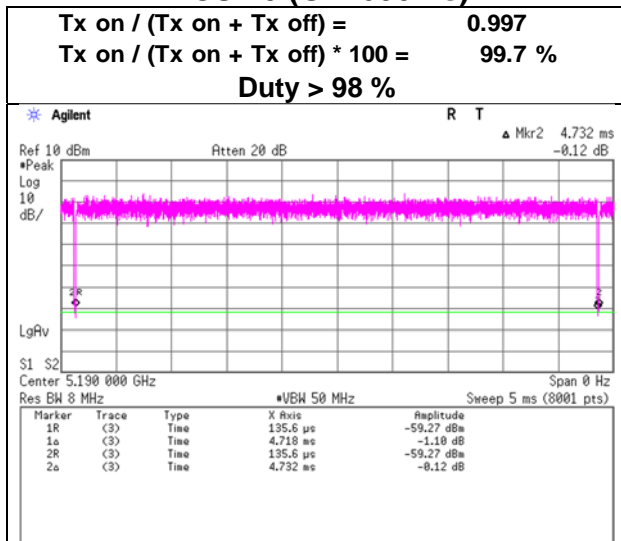
Tx on / (Tx on + Tx off) = **0.997**
Tx on / (Tx on + Tx off) * 100 = **99.7 %**
Duty > 98 %



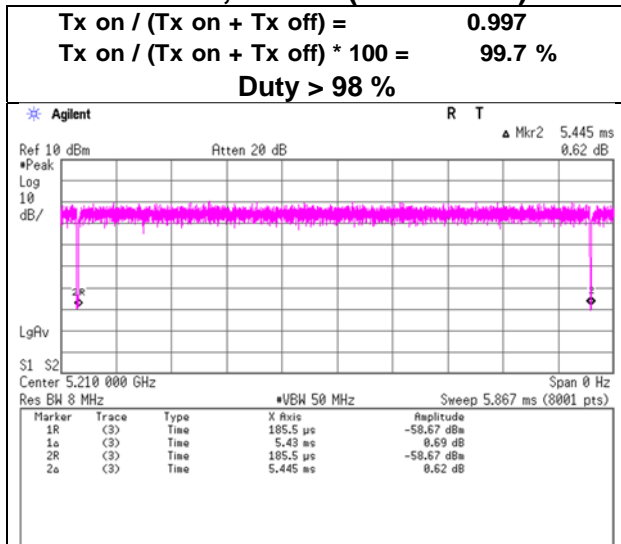
Burst rate confirmation

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	

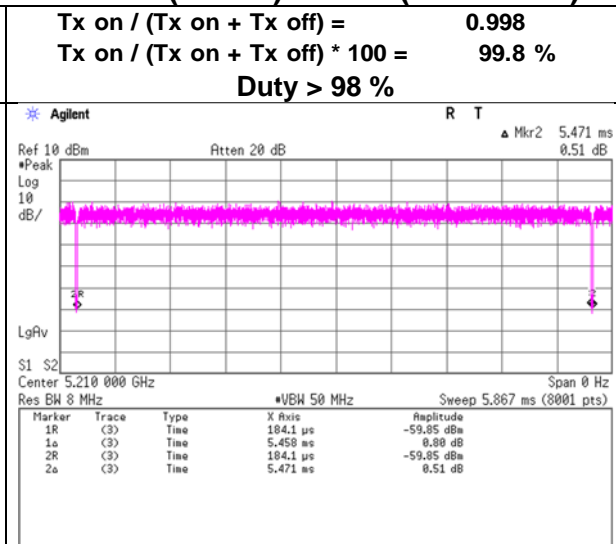
11ax-40(OFDMA), 484-tone RU MCS 10 (GI 1600 ns)



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



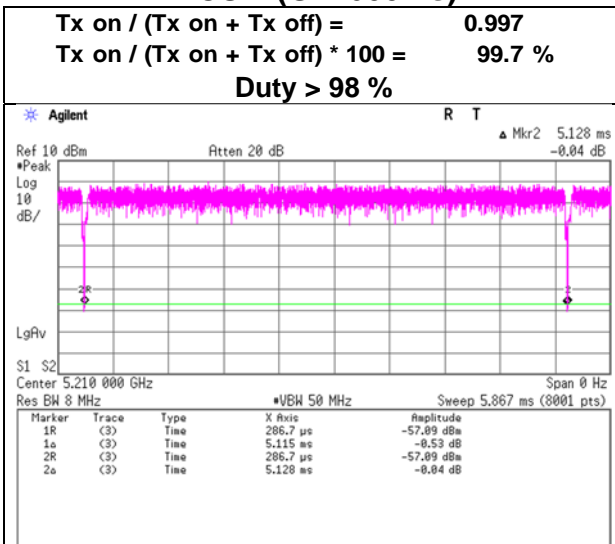
11ax-80(OFDM) MCS 7 (GI 1600 ns)



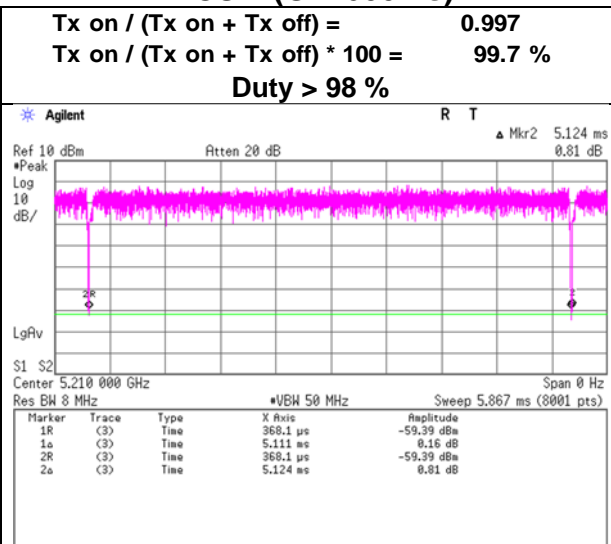
Burst rate confirmation

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

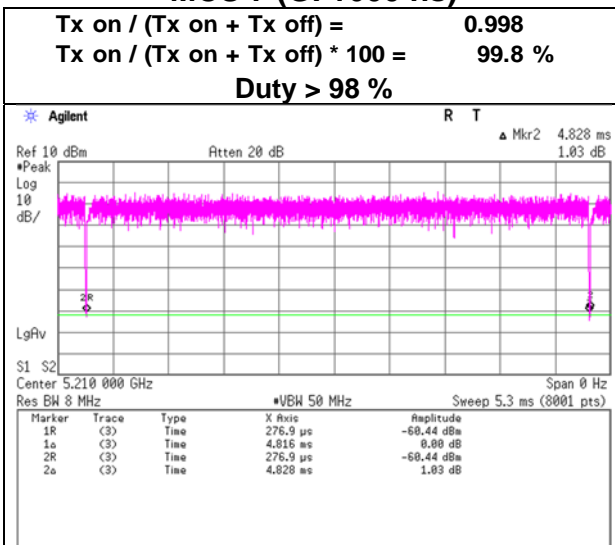
11ax-80(OFDMA), 26-tone RU MCS 7 (GI 1600 ns)



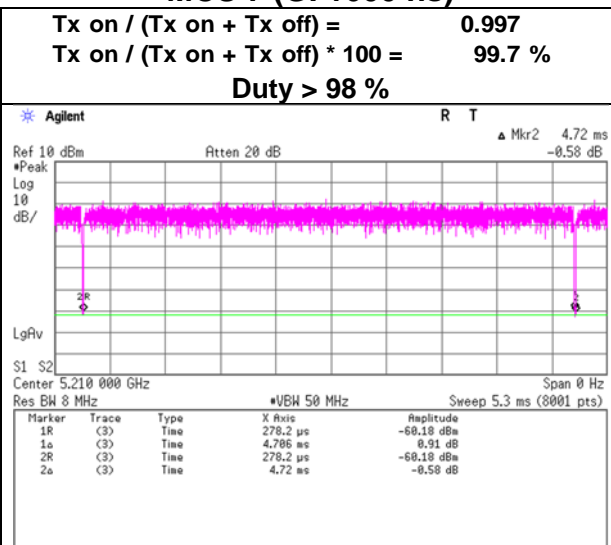
11ax-80(OFDMA), 52-tone RU MCS 7 (GI 1600 ns)



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



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



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 [mW/MHz]	RF1 [mW/MHz]	Sum [mW/MHz]				RF0 [mW/MHz]	RF1 [mW/MHz]	Sum [mW/MHz]			
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

Tested Frequency [MHz]	RU Index	RF0							RF1						
		-	RBW Correction Factor [dB]	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]					[dBm/MHz]	Cond.	e.i.r.p.
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 * 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 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 [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		RF0 [mW/MHz]	RF1 [mW/MHz]	Sum [mW/MHz]				RF0 [mW/MHz]	RF1 [mW/MHz]	Sum [mW/MHz]			
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	RF0							RF1						
		-	RBW Correction Factor [dB]	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]					[dBm/MHz]	[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 * 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)

