

Maximum Conducted Output Power
Worst rate check

Test place
Date
Temperature / Humidity
Engineer
Mode

Shonan EMC Lab. No.5 Shielded Room
May 10, 2024
25 deg. C / 30 % RH
Shiro Kobayashi
Tx 11ac-40

Worst rate check (5755 MHz)

Fast lane check (0.55 MHz)																
MCS	G.I.	1st						2nd						Total		Remark
		Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Result Power				
					[dBm]	[mW]				[dBm]	[mW]	[dBm]	[mW]			
0 (1SS)	800 ns	-12.89	3.66	9.99	0.76	1.19	-9.90	3.65	9.95	3.70	2.34	5.48	3.54	-		
1 (1SS)	800 ns	-12.87	3.66	9.99	0.78	1.20	-9.87	3.65	9.95	3.73	2.36	5.51	3.56	-		
2 (1SS)	800 ns	-12.90	3.66	9.99	0.75	1.19	-9.89	3.65	9.95	3.71	2.35	5.49	3.54	-		
3 (1SS)	800 ns	-12.76	3.66	9.99	0.89	1.23	-9.88	3.65	9.95	3.72	2.36	5.54	3.58	-		
4 (1SS)	800 ns	-12.72	3.66	9.99	0.93	1.24	-9.80	3.65	9.95	3.80	2.40	5.61	3.64	-		
5 (1SS)	800 ns	-12.78	3.66	9.99	0.87	1.22	-9.85	3.65	9.95	3.75	2.37	5.55	3.59	-		
6 (1SS)	800 ns	-12.78	3.66	9.99	0.87	1.22	-9.88	3.65	9.95	3.72	2.36	5.54	3.58	-		
7 (1SS)	800 ns	-12.66	3.66	9.99	0.99	1.26	-9.77	3.65	9.95	3.83	2.42	5.65	3.67	*1		
8 (1SS)	800 ns	-12.79	3.66	9.99	0.86	1.22	-9.85	3.65	9.95	3.75	2.37	5.55	3.59	-		
9 (1SS)	800 ns	-12.77	3.66	9.99	0.88	1.22	-9.90	3.65	9.95	3.70	2.34	5.53	3.57	-		
7 (1SS)	400 ns	-12.67	3.66	9.99	0.98	1.25	-9.80	3.65	9.95	3.80	2.40	5.63	3.65	-		
0 (2SS)	800 ns	-12.91	3.66	9.99	0.74	1.19	-9.93	3.65	9.95	3.67	2.33	5.46	3.51	-		
1 (2SS)	800 ns	-12.77	3.66	9.99	0.88	1.22	-9.86	3.65	9.95	3.74	2.37	5.55	3.59	-		
2 (2SS)	800 ns	-12.80	3.66	9.99	0.85	1.22	-9.90	3.65	9.95	3.70	2.34	5.52	3.56	-		
3 (2SS)	800 ns	-12.78	3.66	9.99	0.87	1.22	-9.90	3.65	9.95	3.70	2.34	5.52	3.57	-		
4 (2SS)	800 ns	-12.78	3.66	9.99	0.87	1.22	-9.84	3.65	9.95	3.76	2.38	5.56	3.60	-		
5 (2SS)	800 ns	-12.76	3.66	9.99	0.89	1.23	-9.84	3.65	9.95	3.76	2.38	5.57	3.60	-		
6 (2SS)	800 ns	-12.74	3.66	9.99	0.91	1.23	-9.81	3.65	9.95	3.79	2.39	5.59	3.63	-		
7 (2SS)	800 ns	-12.72	3.66	9.99	0.93	1.24	-9.78	3.65	9.95	3.82	2.41	5.62	3.65	*2		
8 (2SS)	800 ns	-12.70	3.66	9.99	0.95	1.24	-9.82	3.65	9.95	3.78	2.39	5.60	3.63	-		
9 (2SS)	800 ns	-12.71	3.66	9.99	0.94	1.24	-9.80	3.65	9.95	3.80	2.40	5.61	3.64	-		
7 (2SS)	400 ns	-12.73	3.66	9.99	0.92	1.24	-9.82	3.65	9.95	3.78	2.39	5.59	3.62	-		

*1: Worst Rate for CDD, *2: Worst Rate for SDM

Sample Calculation: (* SS: Spatial Stream)

Each port Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Total Result = 1st Result + 2nd Result

* This measurement was performed only on the on time using the gate function of power meter.

Maximum Conducted Output Power Worst rate check

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 10, 2024
Temperature / Humidity 25 deg. C / 30 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-40(OFDM)

Worst rate check (5755 MHz)

Fast lane check (0.55 MHz)														
MCS	G.I.	1st					2nd					Total Result Power		Remark
		Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result				
					[dBm]	[mW]				[dBm]	[mW]			
0 (1SS)	3200 ns	-12.83	3.66	9.99	0.82	1.21	-9.77	3.65	9.95	3.83	2.42	5.59	3.62	-
1 (1SS)	3200 ns	-12.73	3.66	9.99	0.92	1.24	-9.71	3.65	9.95	3.89	2.45	5.66	3.69	-
2 (1SS)	3200 ns	-12.75	3.66	9.99	0.90	1.23	-9.75	3.65	9.95	3.85	2.43	5.63	3.66	-
3 (1SS)	3200 ns	-12.75	3.66	9.99	0.90	1.23	-9.86	3.65	9.95	3.74	2.37	5.56	3.60	-
4 (1SS)	3200 ns	-12.52	3.66	9.99	1.13	1.30	-9.61	3.65	9.95	3.99	2.51	5.80	3.80	-
5 (1SS)	3200 ns	-12.53	3.66	9.99	1.12	1.29	-9.65	3.65	9.95	3.95	2.48	5.77	3.78	-
6 (1SS)	3200 ns	-12.53	3.66	9.99	1.12	1.29	-9.54	3.65	9.95	4.06	2.55	5.84	3.84	*1
7 (1SS)	3200 ns	-12.51	3.66	9.99	1.14	1.30	-9.63	3.65	9.95	3.97	2.49	5.79	3.79	-
8 (1SS)	3200 ns	-12.59	3.66	9.99	1.06	1.28	-9.66	3.65	9.95	3.94	2.48	5.74	3.75	-
9 (1SS)	3200 ns	-12.60	3.66	9.99	1.05	1.27	-9.68	3.65	9.95	3.92	2.47	5.73	3.74	-
10 (1SS)	3200 ns	-12.55	3.66	9.99	1.10	1.29	-9.64	3.65	9.95	3.96	2.49	5.77	3.78	-
11 (1SS)	3200 ns	-12.61	3.66	9.99	1.04	1.27	-9.67	3.65	9.95	3.93	2.47	5.73	3.74	-
6 (1SS)	1600 ns	-12.55	3.66	9.99	1.10	1.29	-9.60	3.65	9.95	4.00	2.51	5.80	3.80	-
6 (1SS)	800 ns	-12.59	3.66	9.99	1.06	1.28	-9.65	3.65	9.95	3.95	2.48	5.75	3.76	-
0 (2SS)	3200 ns	-12.71	3.66	9.99	0.94	1.24	-9.78	3.65	9.95	3.82	2.41	5.62	3.65	-
1 (2SS)	3200 ns	-12.73	3.66	9.99	0.92	1.24	-9.71	3.65	9.95	3.89	2.45	5.66	3.69	-
2 (2SS)	3200 ns	-12.74	3.66	9.99	0.91	1.23	-9.72	3.65	9.95	3.88	2.44	5.65	3.68	-
3 (2SS)	3200 ns	-12.70	3.66	9.99	0.95	1.24	-9.76	3.65	9.95	3.84	2.42	5.64	3.67	-
4 (2SS)	3200 ns	-12.53	3.66	9.99	1.12	1.29	-9.61	3.65	9.95	3.99	2.51	5.80	3.80	-
5 (2SS)	3200 ns	-12.56	3.66	9.99	1.09	1.29	-9.58	3.65	9.95	4.02	2.52	5.81	3.81	*2
6 (2SS)	3200 ns	-12.54	3.66	9.99	1.11	1.29	-9.61	3.65	9.95	3.99	2.51	5.79	3.80	-
7 (2SS)	3200 ns	-12.53	3.66	9.99	1.12	1.29	-9.72	3.65	9.95	3.88	2.44	5.73	3.74	-
8 (2SS)	3200 ns	-12.55	3.66	9.99	1.10	1.29	-9.63	3.65	9.95	3.97	2.49	5.78	3.78	-
9 (2SS)	3200 ns	-12.55	3.66	9.99	1.10	1.29	-9.63	3.65	9.95	3.97	2.49	5.78	3.78	-
10 (2SS)	3200 ns	-12.57	3.66	9.99	1.08	1.28	-9.63	3.65	9.95	3.97	2.49	5.77	3.78	-
11 (2SS)	3200 ns	-12.58	3.66	9.99	1.07	1.28	-9.66	3.65	9.95	3.94	2.48	5.75	3.76	-
5 (2SS)	1600 ns	-12.55	3.66	9.99	1.10	1.29	-9.62	3.65	9.95	3.98	2.50	5.78	3.79	-
5 (2SS)	800 ns	-12.53	3.66	9.99	1.12	1.29	-9.60	3.65	9.95	4.00	2.51	5.80	3.81	-

*1: Worst Rate for CDD, *2: Worst Rate for SDM

Sample Calculation:

(* SS: Spatial Stream)

Each port Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Total Result = 1st Result + 2nd Result

* This measurement was performed only on the on time using the gate function of power meter.

Maximum Conducted Output Power Worst rate check

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 10, 2024
Temperature / Humidity 25 deg. C / 30 % RH
Engineer Shiro Kobayashi
Mode Tx 11ac-80

Worst rate check (5775 MHz)

Worst rate check (57.5 mHz)														
MCS	G.I.	1st					2nd					Total		Remark
		Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Result Power		
					[dBm]	[mW]				[dBm]	[mW]	[dBm]	[mW]	
0 (1SS)	800 ns	-13.14	3.66	9.99	0.51	1.12	-10.20	3.65	9.96	3.41	2.19	5.21	3.32	-
1 (1SS)	800 ns	-13.18	3.66	9.99	0.47	1.11	-10.29	3.65	9.96	3.32	2.15	5.14	3.26	-
2 (1SS)	800 ns	-13.18	3.66	9.99	0.47	1.11	-10.26	3.65	9.96	3.35	2.16	5.15	3.28	-
3 (1SS)	800 ns	-12.09	3.66	9.99	1.56	1.43	-10.34	3.65	9.96	3.27	2.12	5.51	3.56	-
4 (1SS)	800 ns	-11.99	3.66	9.99	1.66	1.47	-10.20	3.65	9.96	3.41	2.19	5.63	3.66	-
5 (1SS)	800 ns	-11.95	3.66	9.99	1.70	1.48	-10.19	3.65	9.96	3.42	2.20	5.65	3.68	*1
6 (1SS)	800 ns	-11.96	3.66	9.99	1.69	1.48	-10.21	3.65	9.96	3.40	2.19	5.64	3.66	-
7 (1SS)	800 ns	-12.00	3.66	9.99	1.65	1.46	-10.20	3.65	9.96	3.41	2.19	5.63	3.65	-
8 (1SS)	800 ns	-11.96	3.66	9.99	1.69	1.48	-10.19	3.65	9.96	3.42	2.20	5.65	3.67	-
9 (1SS)	800 ns	-11.98	3.66	9.99	1.67	1.47	-10.19	3.65	9.96	3.42	2.20	5.64	3.67	-
5 (1SS)	400 ns	-11.97	3.66	9.99	1.68	1.47	-10.20	3.65	9.96	3.41	2.19	5.64	3.67	-
0 (2SS)	800 ns	-13.18	3.66	9.99	0.47	1.11	-10.29	3.65	9.96	3.32	2.15	5.14	3.26	-
1 (2SS)	800 ns	-13.14	3.66	9.99	0.51	1.12	-10.24	3.65	9.96	3.37	2.17	5.18	3.30	-
2 (2SS)	800 ns	-13.12	3.66	9.99	0.53	1.13	-10.18	3.65	9.96	3.43	2.20	5.23	3.33	-
3 (2SS)	800 ns	-11.99	3.66	9.99	1.66	1.47	-10.23	3.65	9.96	3.38	2.18	5.61	3.64	-
4 (2SS)	800 ns	-11.97	3.66	9.99	1.68	1.47	-10.19	3.65	9.96	3.42	2.20	5.65	3.67	*2
5 (2SS)	800 ns	-11.98	3.66	9.99	1.67	1.47	-10.22	3.65	9.96	3.39	2.18	5.62	3.65	-
6 (2SS)	800 ns	-12.01	3.66	9.99	1.64	1.46	-10.24	3.65	9.96	3.37	2.17	5.60	3.63	-
7 (2SS)	800 ns	-12.02	3.66	9.99	1.63	1.46	-10.25	3.65	9.96	3.36	2.17	5.59	3.62	-
8 (2SS)	800 ns	-12.01	3.66	9.99	1.64	1.46	-10.19	3.65	9.96	3.42	2.20	5.63	3.66	-
9 (2SS)	800 ns	-12.02	3.66	9.99	1.63	1.46	-10.23	3.65	9.96	3.38	2.18	5.60	3.63	-
4 (2SS)	400 ns	-12.00	3.66	9.99	1.65	1.46	-10.20	3.65	9.96	3.41	2.19	5.63	3.65	-

*1: Worst Rate for CDD, *2: Worst Rate for SDM

Sample Calculation:

(* SS: Spatial Stream)

Each port Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Total Result = 1st Result + 2nd Result

* This measurement was performed only on the on time using the gate function of power meter.

Maximum Conducted Output Power Worst rate check

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 10, 2024
Temperature / Humidity 25 deg. C / 30 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-80(OFDM)

Worst rate check (5775 MHz)

Worst rate check (57.5 MHz)														
MCS	G.I.	1st					2nd					Total		Remark
		Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Reading (Average) [dBm]	Cable Loss [dB]	Atten. Loss [dB]	Result		Result Power		
					[dBm]	[mW]				[dBm]	[mW]	[dBm]	[mW]	
0 (1SS)	3200 ns	-13.16	3.66	9.99	0.49	1.12	-10.20	3.65	9.96	3.41	2.19	5.20	3.31	-
1 (1SS)	3200 ns	-13.15	3.66	9.99	0.50	1.12	-10.21	3.65	9.96	3.40	2.19	5.20	3.31	-
2 (1SS)	3200 ns	-13.16	3.66	9.99	0.49	1.12	-10.22	3.65	9.96	3.39	2.18	5.19	3.30	-
3 (1SS)	3200 ns	-12.10	3.66	9.99	1.55	1.43	-10.30	3.65	9.96	3.31	2.14	5.53	3.57	-
4 (1SS)	3200 ns	-12.03	3.66	9.99	1.62	1.45	-10.19	3.65	9.96	3.42	2.20	5.62	3.65	-
5 (1SS)	3200 ns	-11.97	3.66	9.99	1.68	1.47	-10.23	3.65	9.96	3.38	2.18	5.62	3.65	-
6 (1SS)	3200 ns	-11.99	3.66	9.99	1.66	1.47	-10.20	3.65	9.96	3.41	2.19	5.63	3.66	-
7 (1SS)	3200 ns	-11.99	3.66	9.99	1.66	1.47	-10.21	3.65	9.96	3.40	2.19	5.63	3.65	-
8 (1SS)	3200 ns	-11.92	3.66	9.99	1.73	1.49	-10.20	3.65	9.96	3.41	2.19	5.66	3.68	-
9 (1SS)	3200 ns	-11.95	3.66	9.99	1.70	1.48	-10.13	3.65	9.96	3.48	2.23	5.69	3.71	*1
10 (1SS)	3200 ns	-11.97	3.66	9.99	1.68	1.47	-10.13	3.65	9.96	3.48	2.23	5.68	3.70	-
11 (1SS)	3200 ns	-11.92	3.66	9.99	1.73	1.49	-10.18	3.65	9.96	3.43	2.20	5.67	3.69	-
9 (1SS)	1600 ns	-11.94	3.66	9.99	1.71	1.48	-10.18	3.65	9.96	3.43	2.20	5.66	3.69	-
9 (1SS)	800 ns	-11.99	3.66	9.99	1.66	1.47	-10.23	3.65	9.96	3.38	2.18	5.61	3.64	-
0 (2SS)	3200 ns	-13.12	3.66	9.99	0.53	1.13	-10.21	3.65	9.96	3.40	2.19	5.21	3.32	-
1 (2SS)	3200 ns	-13.16	3.66	9.99	0.49	1.12	-10.25	3.65	9.96	3.36	2.17	5.17	3.29	-
2 (2SS)	3200 ns	-13.17	3.66	9.99	0.48	1.12	-10.24	3.65	9.96	3.37	2.17	5.17	3.29	-
3 (2SS)	3200 ns	-12.09	3.66	9.99	1.56	1.43	-10.33	3.65	9.96	3.28	2.13	5.51	3.56	-
4 (2SS)	3200 ns	-11.97	3.66	9.99	1.68	1.47	-10.20	3.65	9.96	3.41	2.19	5.64	3.67	-
5 (2SS)	3200 ns	-11.96	3.66	9.99	1.69	1.48	-10.14	3.65	9.96	3.47	2.22	5.68	3.70	*2
6 (2SS)	3200 ns	-11.96	3.66	9.99	1.69	1.48	-10.19	3.65	9.96	3.42	2.20	5.65	3.67	-
7 (2SS)	3200 ns	-12.01	3.66	9.99	1.64	1.46	-10.14	3.65	9.96	3.47	2.22	5.66	3.68	-
8 (2SS)	3200 ns	-12.02	3.66	9.99	1.63	1.46	-10.19	3.65	9.96	3.42	2.20	5.63	3.65	-
9 (2SS)	3200 ns	-11.96	3.66	9.99	1.69	1.48	-10.17	3.65	9.96	3.44	2.21	5.66	3.68	-
10 (2SS)	3200 ns	-11.97	3.66	9.99	1.68	1.47	-10.17	3.65	9.96	3.44	2.21	5.66	3.68	-
11 (2SS)	3200 ns	-11.92	3.66	9.99	1.73	1.49	-10.19	3.65	9.96	3.42	2.20	5.67	3.69	-
5 (2SS)	1600 ns	-11.95	3.66	9.99	1.70	1.48	-10.16	3.65	9.96	3.45	2.21	5.67	3.69	-
5 (2SS)	800 ns	-11.93	3.66	9.99	1.72	1.49	-10.20	3.65	9.96	3.41	2.19	5.66	3.68	-

*1: Worst Rate for CDD, *2: Worst Rate for SDM

Sample Calculation:

(* SS: Spatial Stream)

Each port Result = Reading + Cable Loss (including the cable(s) customer supplied) + Attenuator Loss

Total Result = 1st Result + 2nd Result

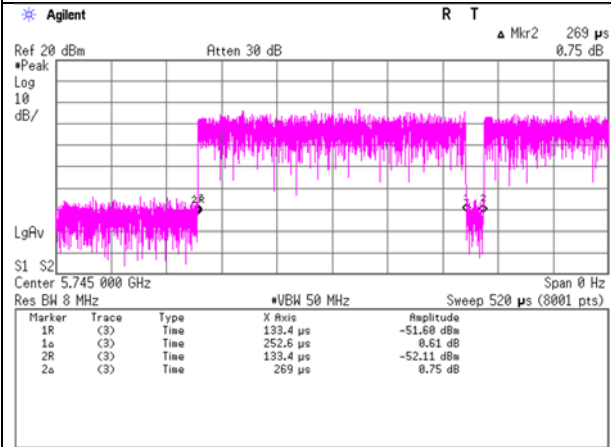
* This measurement was performed only on the on time using the gate function of power meter.

Burst rate confirmation
(For Maximum Power Spectral Density)

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 44 % RH
Engineer Miku Ikudome
Mode Tx

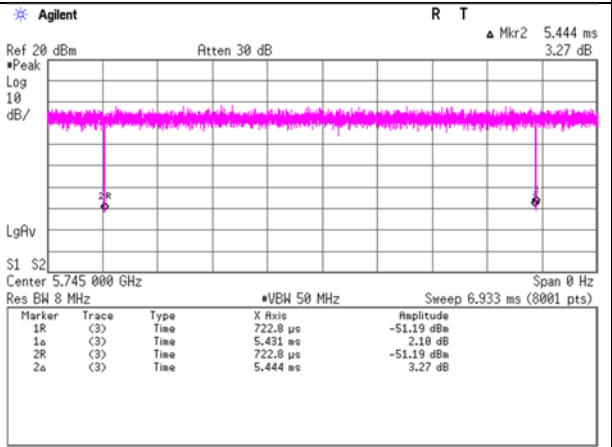
11a, 54 Mbps

Not Constant Duty Cycle



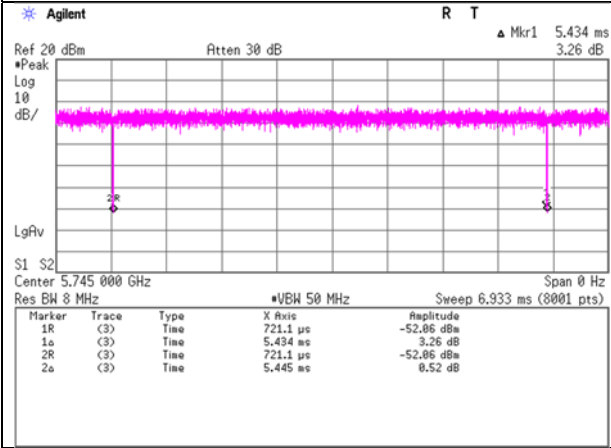
11n-20 CDD, MCS 4

Tx on / (Tx on + Tx off) = 0.998
Tx on / (Tx on + Tx off) * 100 = 99.8 %
Duty factor = 10 * log (5.444 / 5.431) = 0.01 dB



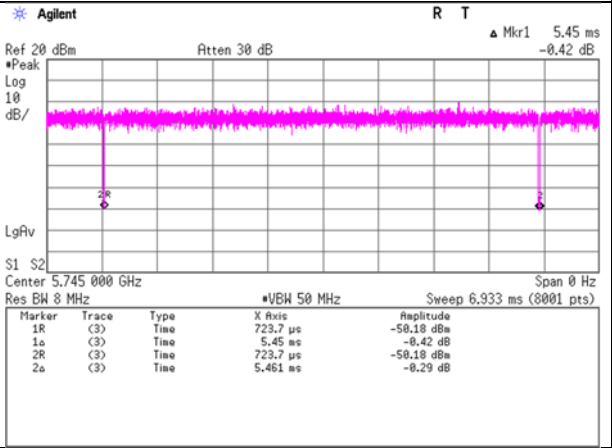
11ac-20 CDD, MCS 8

Tx on / (Tx on + Tx off) = 0.998
Tx on / (Tx on + Tx off) * 100 = 99.8 %
Duty factor = 10 * log (5.445 / 5.434) = 0.01 dB



11ax-20(OFDM) CDD, MCS 10

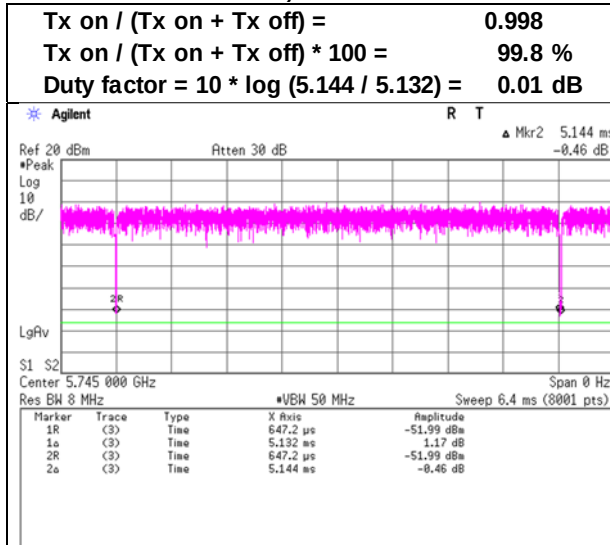
Tx on / (Tx on + Tx off) = 0.998
Tx on / (Tx on + Tx off) * 100 = 99.8 %
Duty factor = 10 * log (5.461 / 5.45) = 0.01 dB



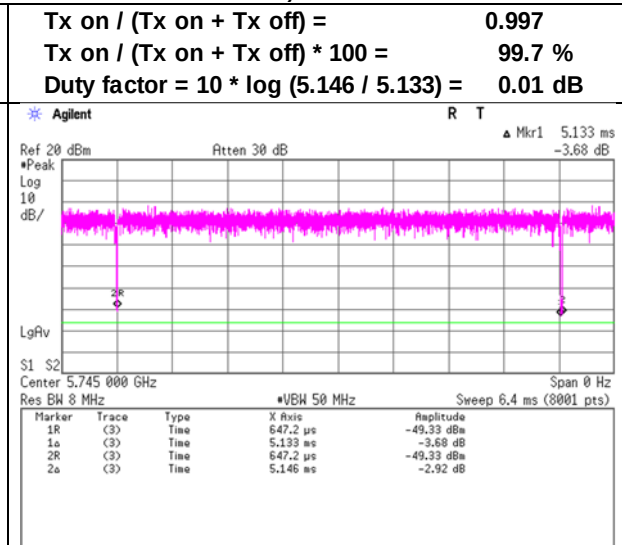
Burst rate confirmation (For Maximum Power Spectral Density)

Test place	Shonan EMC Lab. No.5 Shielded Room
Date	May 14, 2024
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Miku Ikudome
Mode	Tx

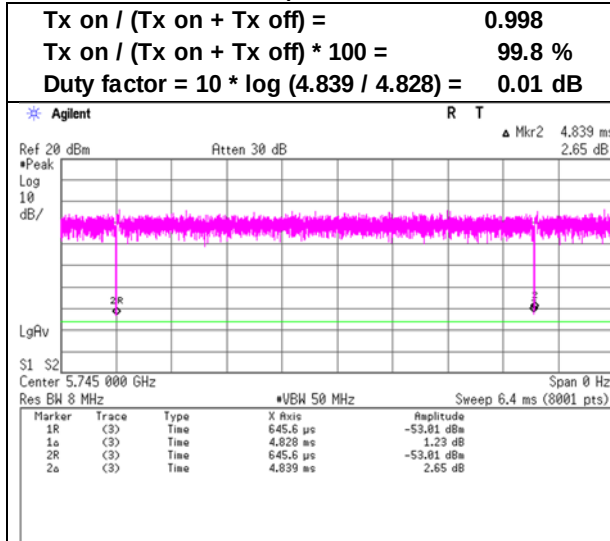
11ax-20(OFDMA) 26-tone RU, CDD, MCS 10



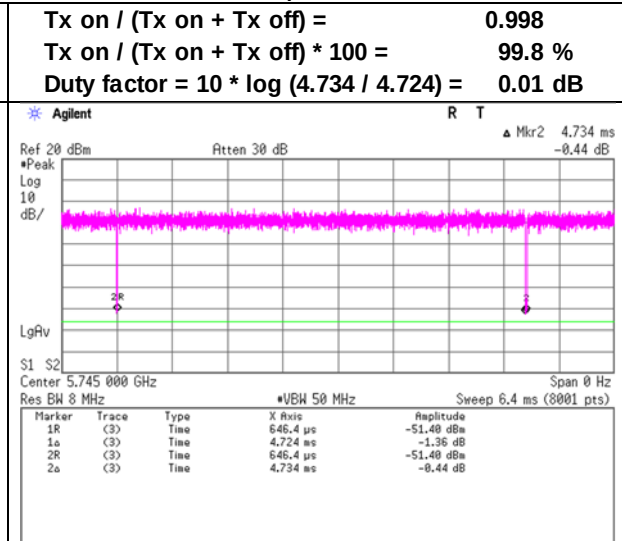
11ax-20(OFDMA) 52-tone RU, CDD, MCS 10



11ax-20(OFDMA) 106-tone RU, CDD, MCS 10



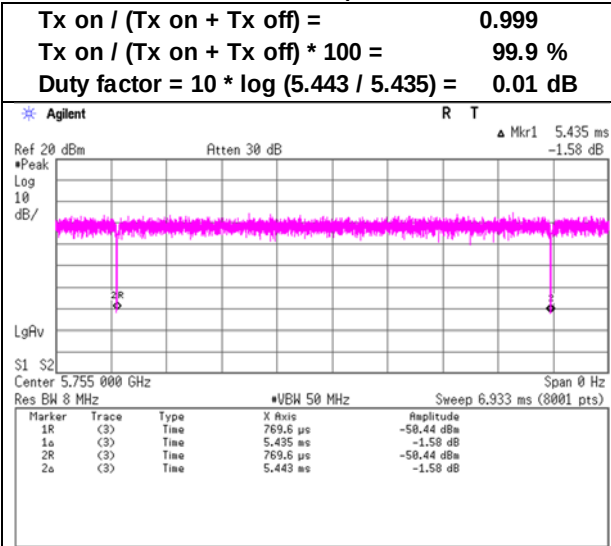
11ax-20(OFDMA) 242-tone RU, CDD, MCS 10



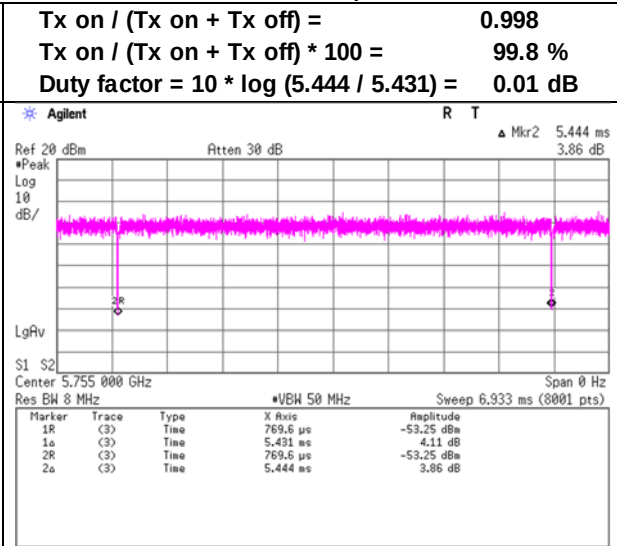
Burst rate confirmation
(For Maximum Power Spectral Density)

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 44 % RH
Engineer Miku Ikudome
Mode Tx

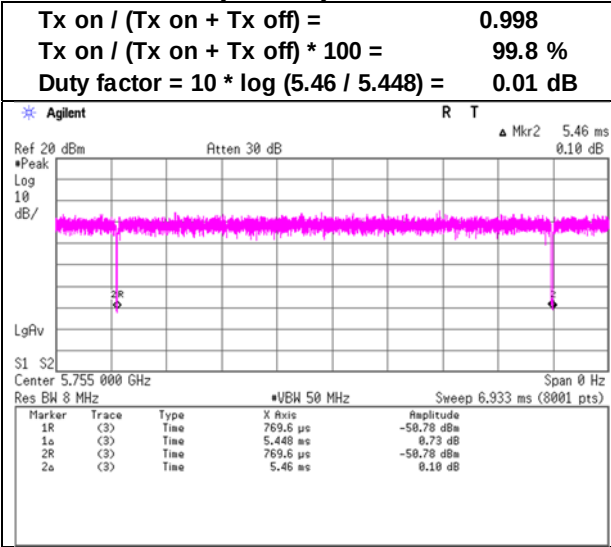
11n-40 CDD, MCS 6



11ac-40 CDD, MCS 7



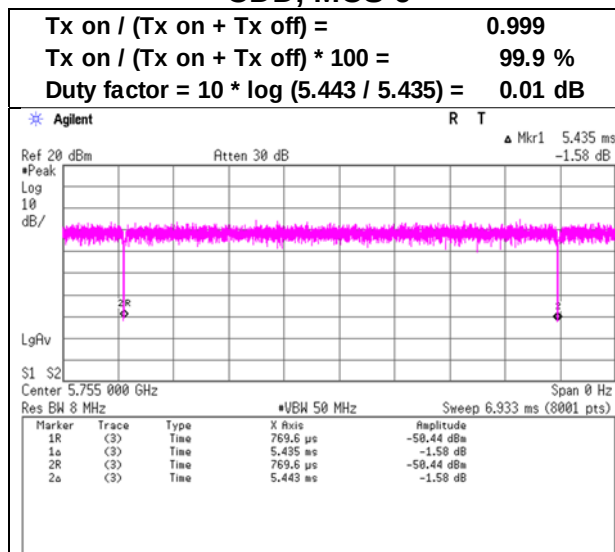
11ax-40(OFDM) CDD, MCS 6



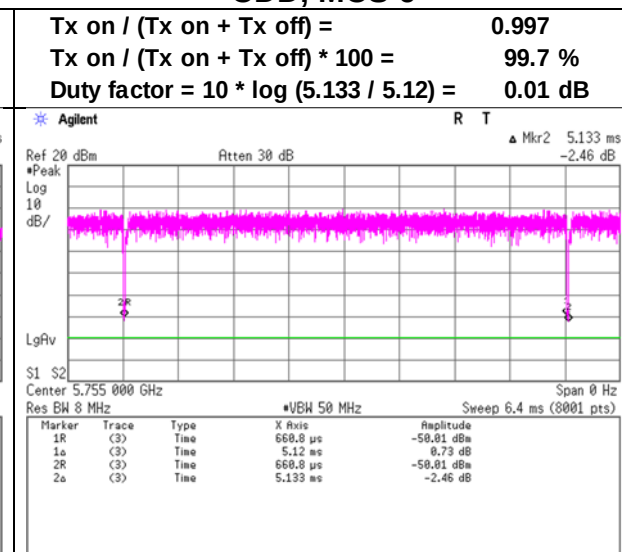
Burst rate confirmation (For Maximum Power Spectral Density)

Test place	Shonan EMC Lab. No.5 Shielded Room
Date	May 14, 2024
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Miku Ikudome
Mode	Tx

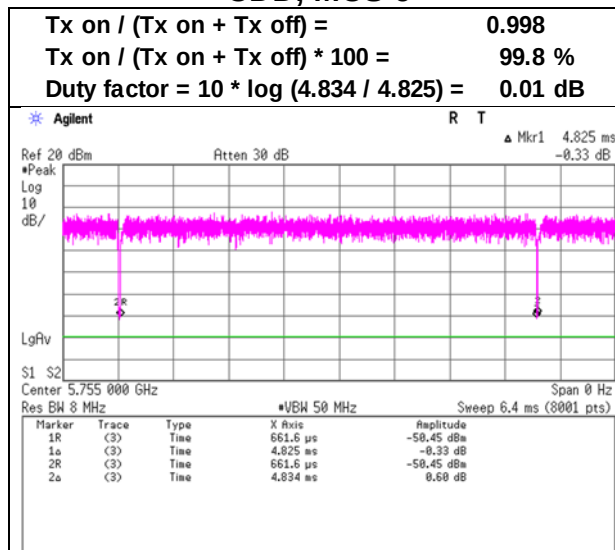
11ax-40(OFDMA) 26-tone RU, CDD, MCS 6



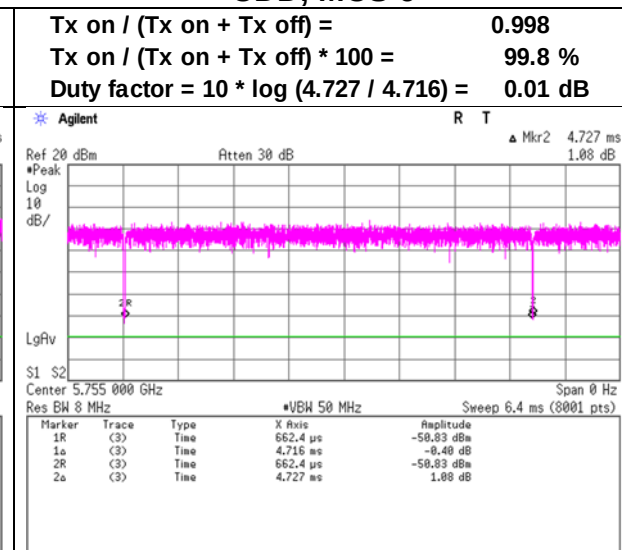
11ax-40(OFDMA) 52-tone RU, CDD, MCS 6



11ax-40(OFDMA) 106-tone RU, CDD, MCS 6



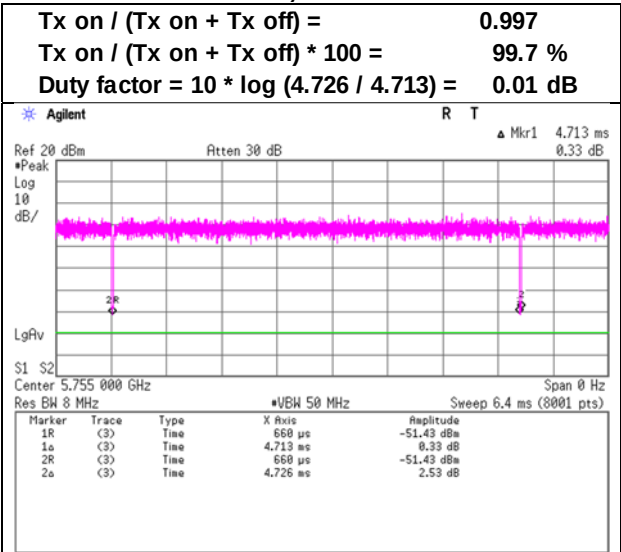
11ax-40(OFDMA) 242-tone RU, CDD, MCS 6



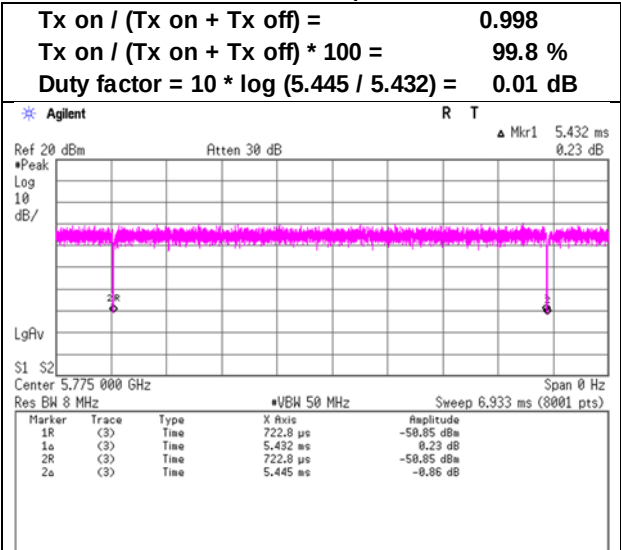
Burst rate confirmation
(For Maximum Power Spectral Density)

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 44 % RH
Engineer Miku Ikudome
Mode Tx

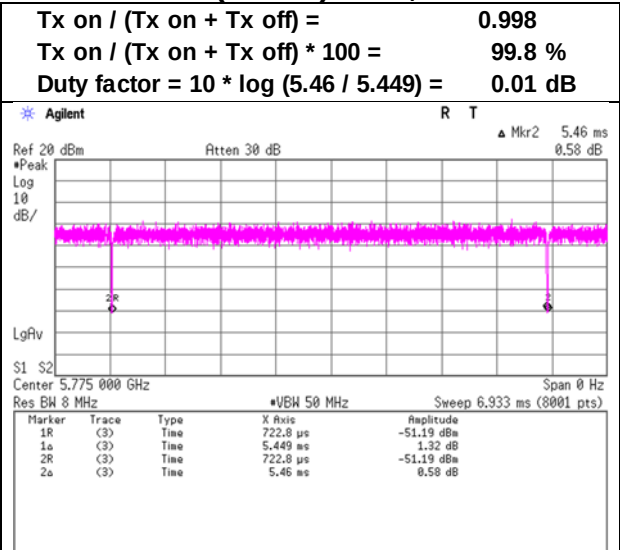
11ax-40(OFDMA) 484-tone RU,
CDD, MCS 6



11ac-80 CDD, MCS 5



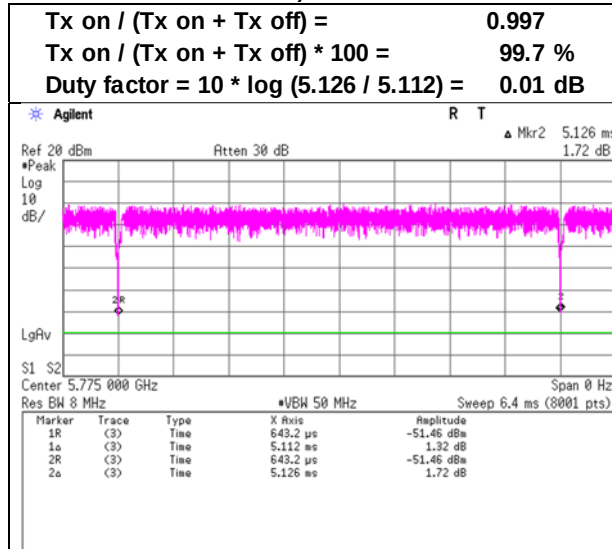
11ax-80(OFDM) CDD, MCS 9



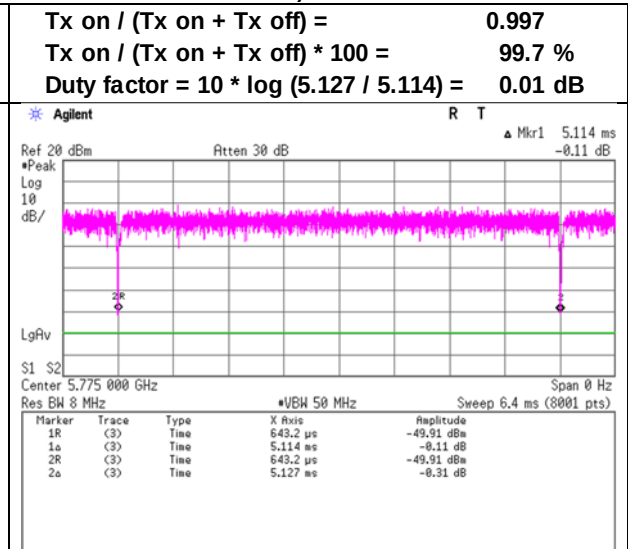
Burst rate confirmation (For Maximum Power Spectral Density)

Test place	Shonan EMC Lab. No.5 Shielded Room
Date	May 14, 2024
Temperature / Humidity	24 deg. C / 44 % RH
Engineer	Miku Ikudome
Mode	Tx

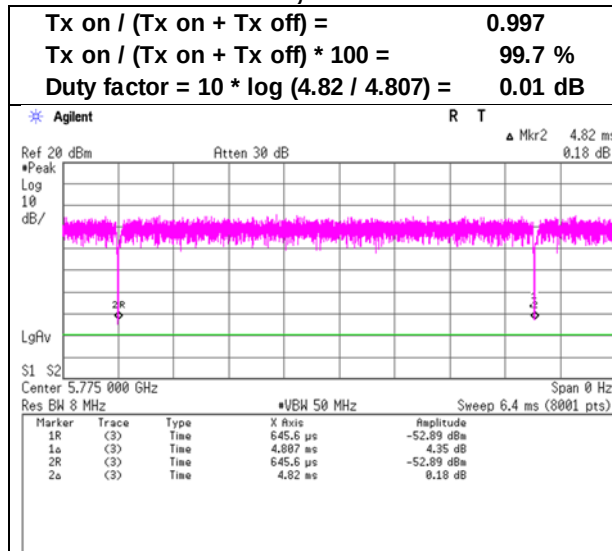
11ax-80(OFDMA) 26-tone RU, CDD, MCS 9



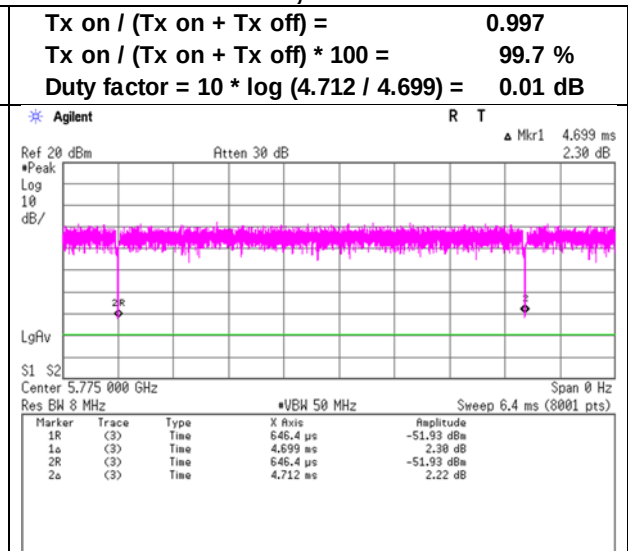
11ax-80(OFDMA) 52-tone RU, CDD, MCS 9



11ax-80(OFDMA) 106-tone RU, CDD, MCS 9



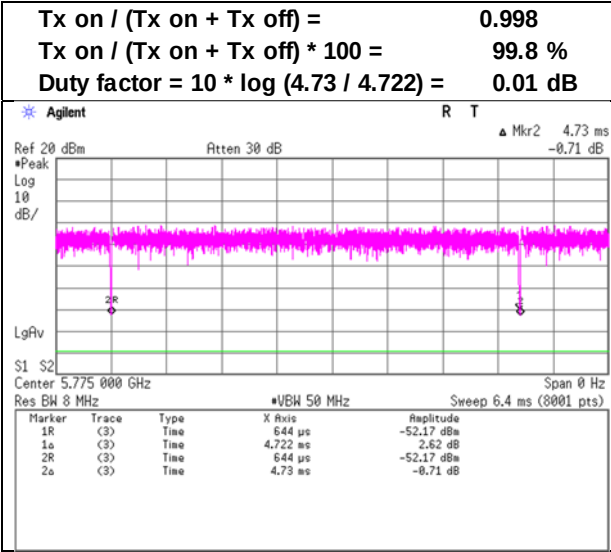
11ax-80(OFDMA) 242-tone RU, CDD, MCS 9



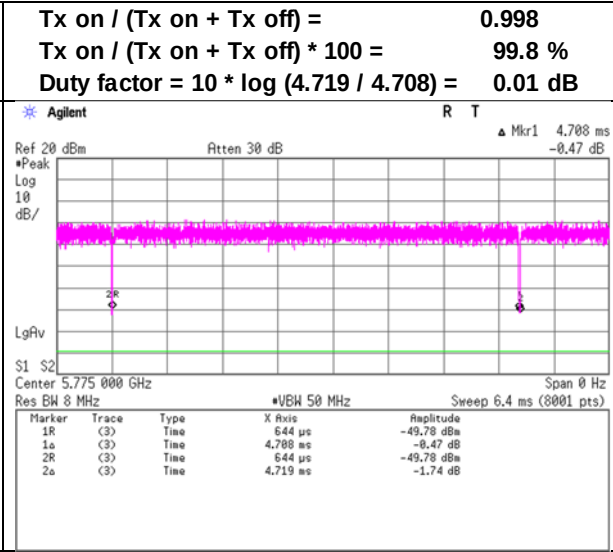
Burst rate confirmation
(For Maximum Power Spectral Density)

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 44 % RH
Engineer Miku Ikudome
Mode Tx

11ax-80(OFDMA) 484-tone RU,
CDD, MCS 9



11ax-80(OFDMA) 996-tone RU,
CDD, MCS 9



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 15, 2024
Temperature / Humidity 24 deg. C / 44 % RH
Engineer Miku Ikudome
Mode Tx 11a

1st + 2nd

Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	PSD (Cond.)							PSD (e.i.r.p.)						
	Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
	1st	2nd	Sum					1st	2nd	Sum				
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5745	0.07	0.14	0.21	-6.86	26.98	33.84		0.56	1.08	1.65	2.16	36.00	33.84	
5785	0.06	0.13	0.20	-7.09	26.98	34.07		0.51	1.05	1.56	1.93	36.00	34.07	
5825	0.07	0.13	0.21	-6.85	26.98	33.83		0.57	1.07	1.65	2.17	36.00	33.83	

Tested Frequency [MHz]	1st							2nd						
	-	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5745	-	0.27	-25.44	3.66	9.99	9.02	-11.52	-2.50	-22.53	3.64	9.95	9.02	-8.67	0.35
5785	-	0.27	-25.92	3.67	9.99	9.02	-11.99	-2.97	-22.66	3.65	9.95	9.02	-8.79	0.23
5825	-	0.27	-25.37	3.67	9.99	9.02	-11.44	-2.42	-22.59	3.66	9.95	9.02	-8.71	0.31

Sample Calculation:

PSD: Power Spectral Density

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

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

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)

*This measurement was performed only on the on time using gate function of spectrum analyzer, because duty cycle was not constant.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 44 % RH
Engineer Miku Ikudome
Mode Tx 11n-20 CDD

1st + 2nd

Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1st	2nd	Sum				1st	2nd	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]
5745	0.06	0.12	0.18	-7.53	26.98	34.51	0.49	0.92	1.41	1.49	36.00	34.51
5785	0.07	0.11	0.18	-7.51	26.98	34.49	0.52	0.90	1.42	1.51	36.00	34.49
5825	0.06	0.12	0.19	-7.31	26.98	34.29	0.49	0.99	1.48	1.71	36.00	34.29

			1st					2nd						
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5745	0.01	0.27	-26.07	3.66	9.99	9.02	-12.14	-3.12	-23.24	3.64	9.95	9.02	-9.38	-0.36
5785	0.01	0.27	-25.80	3.67	9.99	9.02	-11.86	-2.84	-23.37	3.65	9.95	9.02	-9.50	-0.48
5825	0.01	0.27	-26.07	3.67	9.99	9.02	-12.14	-3.12	-22.94	3.66	9.95	9.02	-9.05	-0.03

Sample Calculation:

PSD: Power Spectral Density

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

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

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)

*This measurement was performed only on the on time using gate function of spectrum analyzer, because duty cycle was not constant.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 44 % RH
Engineer Miku Ikudome
Mode Tx 11ac-20 CDD

1st + 2nd			Applied limit: 15.407 and RSS-247									
Tested	PSD (Cond.)						PSD (e.i.r.p.)					
Frequency	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1st	2nd	Sum				1st	2nd	Sum			
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5745	0.06	0.12	0.18	-7.37	26.98	34.35	0.48	0.98	1.46	1.65	36.00	34.35
5785	0.06	0.11	0.17	-7.61	26.98	34.59	0.50	0.89	1.38	1.41	36.00	34.59
5825	0.06	0.13	0.18	-7.35	26.98	34.33	0.47	1.00	1.47	1.67	36.00	34.33

1st							2nd							
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5745	0.01	0.27	-26.14	3.66	9.99	9.02	-12.21	-3.19	-22.97	3.64	9.95	9.02	-9.10	-0.08
5785	0.01	0.27	-25.99	3.67	9.99	9.02	-12.05	-3.03	-23.42	3.65	9.95	9.02	-9.54	-0.52
5825	0.01	0.27	-26.22	3.67	9.99	9.02	-12.28	-3.26	-22.92	3.66	9.95	9.02	-9.03	-0.01

Sample Calculation:
PSD: Power Spectral Density
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 = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams
Number of transmit antennas = 2, Number of spatial streams = 1
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 ISCED)

*This measurement was performed onliy on the on time using gate function of spectrum analyzer, because duty cycle was not constant.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 14, 2024
Temperature / Humidity 24 deg. C / 44 % RH
Engineer Miku Ikudome
Mode Tx 11ax-20(OFDM) CDD

1st + 2nd

Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1st	2nd	Sum				1st	2nd	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]
5745	0.07	0.12	0.19	-7.11	26.98	34.09	0.60	0.96	1.55	1.91	36.00	34.09
5785	0.07	0.13	0.20	-6.91	26.98	33.89	0.56	1.07	1.63	2.11	36.00	33.89
5825	0.06	0.13	0.19	-7.11	26.98	34.09	0.50	1.05	1.55	1.91	36.00	34.09

1st							2nd							
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5745	0.01	0.27	-25.20	3.66	9.99	9.02	-11.27	-2.25	-23.09	3.64	9.95	9.02	-9.22	-0.20
5785	0.01	0.27	-25.49	3.67	9.99	9.02	-11.55	-2.53	-22.61	3.65	9.95	9.02	-8.74	0.28
5825	0.01	0.27	-25.93	3.67	9.99	9.02	-11.99	-2.97	-22.71	3.66	9.95	9.02	-8.82	0.20

Sample Calculation:

PSD: Power Spectral Density

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

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

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)

*This measurement was performed only on the on time using gate function of spectrum analyzer, because duty cycle was not constant.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Miku Ikudome
Mode Tx 11ax-20(OFDMA) CDD, 26-tone RU

1st + 2nd Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5745	0	0.38	0.66	1.04	0.16	26.98	26.82		2.99	5.29	8.28	9.18	36.00	26.82	
	4	0.33	0.56	0.88	-0.53	26.98	27.51		2.62	4.43	7.06	8.49	36.00	27.51	
	8	0.34	0.65	0.99	-0.05	26.98	27.03		2.72	5.16	7.88	8.97	36.00	27.03	
5785	0	0.31	0.66	0.98	-0.10	26.98	27.08		2.50	5.30	7.80	8.92	36.00	27.08	
	4	0.29	0.54	0.83	-0.82	26.98	27.80		2.29	4.32	6.61	8.20	36.00	27.80	
	8	0.33	0.63	0.96	-0.18	26.98	27.16		2.61	5.05	7.65	8.84	36.00	27.16	
5825	0	0.31	0.63	0.93	-0.29	26.98	27.27		2.45	5.01	7.46	8.73	36.00	27.27	
	4	0.25	0.57	0.82	-0.85	26.98	27.83		2.01	4.56	6.57	8.17	36.00	27.83	
	8	0.29	0.64	0.92	-0.34	26.98	27.32		2.30	5.08	7.38	8.68	36.00	27.32	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd						
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Result	
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5745	0	0.01	0.27	-18.19	3.66	9.99	9.02	-4.26	4.76	-15.66	3.64	9.95	9.02	-1.79	7.23
	4	0.01	0.27	-18.77	3.66	9.99	9.02	-4.84	4.18	-16.42	3.64	9.95	9.02	-2.55	6.47
	8	0.01	0.27	-18.60	3.66	9.99	9.02	-4.67	4.35	-15.76	3.64	9.95	9.02	-1.89	7.13
5785	0	0.01	0.27	-18.99	3.67	9.99	9.02	-5.05	3.97	-15.65	3.65	9.95	9.02	-1.78	7.24
	4	0.01	0.27	-19.37	3.67	9.99	9.02	-5.43	3.59	-16.54	3.65	9.95	9.02	-2.66	6.36
	8	0.01	0.27	-18.80	3.67	9.99	9.02	-4.86	4.16	-15.87	3.65	9.95	9.02	-1.99	7.03
5825	0	0.01	0.27	-19.06	3.67	9.99	9.02	-5.12	3.90	-15.91	3.66	9.95	9.02	-2.03	6.99
	4	0.01	0.27	-19.93	3.67	9.99	9.02	-5.99	3.03	-16.32	3.66	9.95	9.02	-2.43	6.59
	8	0.01	0.27	-19.34	3.67	9.99	9.02	-5.40	3.62	-15.85	3.66	9.95	9.02	-1.96	7.06

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Miku Ikudome
Mode Tx 11ax-20(OFDMA) CDD, 52-tone RU

1st + 2nd

Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5745	37	0.18	0.34	0.52	-2.80	26.98	29.78		1.43	2.75	4.18	6.22	36.00	29.78	
	38	0.16	0.33	0.50	-3.04	26.98	30.02		1.31	2.65	3.97	5.98	36.00	30.02	
	40	0.16	0.33	0.49	-3.08	26.98	30.06		1.29	2.63	3.92	5.94	36.00	30.06	
5785	37	0.18	0.34	0.52	-2.84	26.98	29.82		1.40	2.75	4.15	6.18	36.00	29.82	
	38	0.17	0.32	0.49	-3.14	26.98	30.12		1.34	2.53	3.87	5.88	36.00	30.12	
	40	0.17	0.31	0.48	-3.20	26.98	30.18		1.36	2.45	3.82	5.82	36.00	30.18	
5825	37	0.15	0.34	0.49	-3.12	26.98	30.10		1.20	2.68	3.89	5.90	36.00	30.10	
	38	0.14	0.31	0.46	-3.41	26.98	30.39		1.16	2.48	3.64	5.61	36.00	30.39	
	40	0.15	0.31	0.46	-3.37	26.98	30.35		1.18	2.49	3.67	5.65	36.00	30.35	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd						
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Result	
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5745	37	0.01	0.27	-21.39	3.66	9.99	9.02	-7.46	1.56	-18.49	3.64	9.95	9.02	-4.62	4.40
	38	0.01	0.27	-21.76	3.66	9.99	9.02	-7.83	1.19	-18.66	3.64	9.95	9.02	-4.79	4.23
	40	0.01	0.27	-21.84	3.66	9.99	9.02	-7.91	1.11	-18.69	3.64	9.95	9.02	-4.82	4.20
5785	37	0.01	0.27	-21.49	3.67	9.99	9.02	-7.55	1.47	-18.51	3.65	9.95	9.02	-4.63	4.39
	38	0.01	0.27	-21.70	3.67	9.99	9.02	-7.76	1.26	-18.86	3.65	9.95	9.02	-4.98	4.04
	40	0.01	0.27	-21.61	3.67	9.99	9.02	-7.67	1.35	-19.01	3.65	9.95	9.02	-5.13	3.89
5825	37	0.01	0.27	-22.16	3.67	9.99	9.02	-8.22	0.80	-18.62	3.66	9.95	9.02	-4.73	4.29
	38	0.01	0.27	-22.33	3.67	9.99	9.02	-8.39	0.63	-18.97	3.66	9.95	9.02	-5.08	3.94
	40	0.01	0.27	-22.23	3.67	9.99	9.02	-8.29	0.73	-18.95	3.66	9.95	9.02	-5.06	3.96

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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 ISDE)

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Miku Ikudome
Mode Tx 11ax-20(OFDMA) CDD, 106-tone RU

1st + 2nd Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5745	53	0.09	0.17	0.26	-5.88	26.98	32.86		0.70	1.36	2.06	3.14	36.00	32.86	
	54	0.09	0.17	0.26	-5.87	26.98	32.85		0.69	1.37	2.06	3.15	36.00	32.85	
5785	53	0.08	0.17	0.25	-5.97	26.98	32.95		0.67	1.34	2.02	3.05	36.00	32.95	
	54	0.09	0.16	0.25	-6.00	26.98	32.98		0.72	1.29	2.00	3.02	36.00	32.98	
5825	53	0.08	0.18	0.26	-5.92	26.98	32.90		0.63	1.41	2.04	3.10	36.00	32.90	
	54	0.07	0.15	0.22	-6.55	26.98	33.53		0.59	1.18	1.77	2.47	36.00	33.53	

				1st						2nd					
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
								Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5745	53	0.01	0.27	-24.48	3.66	9.99	9.02	-10.55	-1.53	-21.56	3.64	9.95	9.02	-7.69	1.33
	54	0.01	0.27	-24.53	3.66	9.99	9.02	-10.60	-1.58	-21.53	3.64	9.95	9.02	-7.66	1.36
5785	53	0.01	0.27	-24.67	3.67	9.99	9.02	-10.73	-1.71	-21.62	3.65	9.95	9.02	-7.74	1.28
	54	0.01	0.27	-24.42	3.67	9.99	9.02	-10.48	-1.46	-21.80	3.65	9.95	9.02	-7.92	1.10
5825	53	0.01	0.27	-24.96	3.67	9.99	9.02	-11.02	-2.00	-21.42	3.66	9.95	9.02	-7.53	1.49
	54	0.01	0.27	-25.25	3.67	9.99	9.02	-11.31	-2.29	-22.21	3.66	9.95	9.02	-8.32	0.70

Sample Calculation:

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Miku Ikudome
Mode Tx 11ax-20(OFDMA) CDD, 242-tone RU

1st + 2nd Applied limit: 15.407 and RSS-247

Tested Frequency	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5745	61	0.04	0.08	0.12	-9.24	26.98	36.22		0.33	0.62	0.95	-0.22	36.00	36.22	
5785	61	0.04	0.07	0.11	-9.50	26.98	36.48		0.31	0.59	0.90	-0.48	36.00	36.48	
5825	61	0.03	0.08	0.11	-9.42	26.98	36.40		0.27	0.64	0.91	-0.40	36.00	36.40	

Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	1st					2nd						
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5745	61	0.01	0.27	-27.71	3.66	9.99	9.02	-13.78	-4.76	-24.99	3.64	9.95	9.02	-11.12	-2.10
5785	61	0.01	0.27	-28.04	3.67	9.99	9.02	-14.10	-5.08	-25.22	3.65	9.95	9.02	-11.34	-2.32
5825	61	0.01	0.27	-28.59	3.67	9.99	9.02	-14.66	-5.64	-24.85	3.66	9.95	9.02	-10.96	-1.94

Sample Calculation:

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Miku Ikudome
Mode Tx 11n-40 CDD

1st + 2nd

Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	PSD (Cond.)							PSD (e.i.r.p.)						
	Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
	1st	2nd	Sum					1st	2nd	Sum				
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5755	0.02	0.04	0.06	-11.89	26.98	38.87		0.17	0.35	0.52	-2.87	36.00	38.87	
5795	0.03	0.05	0.08	-11.20	26.98	38.18		0.23	0.37	0.61	-2.18	36.00	38.18	

Tested Frequency [MHz]	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd					PSD Result	
			PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
			[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5755	0.01	0.27	-30.75	3.66	9.99	9.02	-16.82	-7.80	-27.44	3.64	9.95	9.02	-13.57	-4.55
5795	0.01	0.27	-29.27	3.67	9.99	9.02	-15.34	-6.32	-27.21	3.66	9.95	9.02	-13.32	-4.30

Sample Calculation:

PSD: Power Spectral Density

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

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

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)

*This measurement was performed only on the on time using gate function of spectrum analyzer, because duty cycle was not constant.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Miku Ikudome
Mode Tx 11ac-40 CDD

1st + 2nd

Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	PSD (Cond.)							PSD (e.i.r.p.)						
	Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
	1st	2nd	Sum					1st	2nd	Sum				
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5755	0.02	0.04	0.07	-11.65	26.98	38.63		0.19	0.35	0.55	-2.63	36.00	38.63	
5795	0.03	0.05	0.08	-11.12	26.98	38.10		0.22	0.39	0.62	-2.10	36.00	38.10	

Tested Frequency [MHz]	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd					PSD Result	
			PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
			[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5755	0.01	0.27	-30.09	3.66	9.99	9.02	-16.16	-7.14	-27.42	3.64	9.95	9.02	-13.55	-4.53
5795	0.01	0.27	-29.50	3.67	9.99	9.02	-15.56	-6.54	-26.94	3.66	9.95	9.02	-13.05	-4.03

Sample Calculation:

PSD: Power Spectral Density

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

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

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)

*This measurement was performed only on the on time using gate function of spectrum analyzer, because duty cycle was not constant.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Miku Ikudome
Mode Tx 11ax-40(OFDM) CDD

1st + 2nd							Applied limit: 15.407 and RSS-247					
Tested	PSD (Cond.)						PSD (e.i.r.p.)					
Frequency	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1st	2nd	Sum				1st	2nd	Sum			
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5755	0.02	0.05	0.07	-11.58	26.98	38.56	0.18	0.37	0.55	-2.56	36.00	38.56
5795	0.03	0.05	0.08	-11.08	26.98	38.06	0.22	0.40	0.62	-2.06	36.00	38.06

			1st						2nd					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Cond.	Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Cond.	Result e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5755	0.01	0.27	-30.31	3.66	9.99	9.02	-16.38	-7.36	-27.19	3.64	9.95	9.02	-13.32	-4.30
5795	0.01	0.27	-29.48	3.67	9.99	9.02	-15.54	-6.52	-26.90	3.66	9.95	9.02	-13.01	-3.99

Sample Calculation:
PSD: Power Spectral Density
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 = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams
Number of transmit antennas = 2, Number of spatial streams = 1
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)

*This measurement was performed onlly on the on time using gate function of spectrum analyzer, because duty cycle was not constant.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Miku Ikudome
Mode Tx 11ax-40(OFDMA) CDD, 26-tone RU

1st + 2nd Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5755	0	0.34	0.91	1.25	0.97	26.98	26.01		2.69	7.28	9.98	9.99	36.00	26.01	
	8	0.32	0.67	0.98	-0.07	26.98	27.05		2.52	5.32	7.85	8.95	36.00	27.05	
	17	0.33	0.64	0.97	-0.13	26.98	27.11		2.60	5.15	7.75	8.89	36.00	27.11	
5795	0	0.43	0.64	1.07	0.30	26.98	26.68		3.42	5.14	8.55	9.32	36.00	26.68	
	8	0.38	0.70	1.08	0.33	26.98	26.65		3.04	5.56	8.60	9.35	36.00	26.65	
	17	0.37	0.64	1.01	0.05	26.98	26.93		2.96	5.11	8.07	9.07	36.00	26.93	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd						
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	Cond.	e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
5755	0	0.01	0.27	-18.65	3.66	9.99	9.02	-4.72	4.30	-14.27	3.64	9.95	9.02	-0.40	8.62
	8	0.01	0.27	-18.93	3.66	9.99	9.02	-5.00	4.02	-15.63	3.64	9.95	9.02	-1.76	7.26
	17	0.01	0.27	-18.79	3.66	9.99	9.02	-4.86	4.16	-15.77	3.64	9.95	9.02	-1.91	7.11
5795	0	0.01	0.27	-17.62	3.67	9.99	9.02	-3.68	5.34	-15.80	3.66	9.95	9.02	-1.91	7.11
	8	0.01	0.27	-18.13	3.67	9.99	9.02	-4.19	4.83	-15.46	3.66	9.95	9.02	-1.57	7.45
	17	0.01	0.27	-18.24	3.67	9.99	9.02	-4.31	4.71	-15.82	3.66	9.95	9.02	-1.93	7.09

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 17, 2024
Temperature / Humidity 26 deg. C / 33 % RH
Engineer Miku Ikudome
Mode Tx 11ax-40(OFDMA) CDD, 52-tone RU

1st + 2nd Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5755	37	0.19	0.34	0.53	-2.73	26.98	29.71		1.53	2.73	4.26	6.29	36.00	29.71	
	40	0.18	0.34	0.52	-2.80	26.98	29.78		1.47	2.71	4.19	6.22	36.00	29.78	
	44	0.17	0.35	0.52	-2.81	26.98	29.79		1.35	2.83	4.18	6.21	36.00	29.79	
5795	37	0.21	0.37	0.58	-2.33	26.98	29.31		1.70	2.96	4.66	6.69	36.00	29.31	
	40	0.22	0.37	0.59	-2.32	26.98	29.30		1.76	2.92	4.68	6.70	36.00	29.30	
	44	0.20	0.36	0.56	-2.55	26.98	29.53		1.57	2.86	4.44	6.47	36.00	29.53	

				1st					2nd						
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
								Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5755	37	0.01	0.27	-21.11	3.66	9.99	9.02	-7.18	1.84	-18.53	3.64	9.95	9.02	-4.66	4.36
	40	0.01	0.27	-21.27	3.66	9.99	9.02	-7.34	1.68	-18.55	3.64	9.95	9.02	-4.68	4.34
	44	0.01	0.27	-21.65	3.66	9.99	9.02	-7.72	1.30	-18.38	3.64	9.95	9.02	-4.51	4.51
5795	37	0.01	0.27	-20.65	3.67	9.99	9.02	-6.71	2.31	-18.20	3.66	9.95	9.02	-4.31	4.71
	40	0.01	0.27	-20.50	3.67	9.99	9.02	-6.56	2.46	-18.26	3.66	9.95	9.02	-4.37	4.65
	44	0.01	0.27	-21.00	3.67	9.99	9.02	-7.06	1.96	-18.34	3.66	9.95	9.02	-4.45	4.57

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 17, 2024
Temperature / Humidity 26 deg. C / 33 % RH
Engineer Miku Ikudome
Mode Tx 11ax-40(OFDMA) CDD, 106-tone RU

1st + 2nd Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5755	53	0.09	0.17	0.27	-5.74	26.98	32.72	0.76	1.37	2.13	3.28	36.00	32.72		
	54	0.08	0.17	0.26	-5.88	26.98	32.86	0.67	1.40	2.06	3.14	36.00	32.86		
	56	0.09	0.17	0.26	-5.82	26.98	32.80	0.72	1.37	2.09	3.20	36.00	32.80		
5795	53	0.11	0.21	0.32	-4.99	26.98	31.97	0.88	1.65	2.53	4.03	36.00	31.97		
	54	0.11	0.19	0.29	-5.31	26.98	32.29	0.87	1.48	2.35	3.71	36.00	32.29		
	56	0.10	0.18	0.27	-5.64	26.98	32.62	0.78	1.40	2.18	3.38	36.00	32.62		

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd						
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5755	53	0.01	0.27	-24.17	3.66	9.99	9.02	-10.24	-1.22	-21.51	3.64	9.95	9.02	-7.64	1.38
	54	0.01	0.27	-24.72	3.66	9.99	9.02	-10.79	-1.77	-21.44	3.64	9.95	9.02	-7.57	1.45
	56	0.01	0.27	-24.38	3.66	9.99	9.02	-10.45	-1.43	-21.52	3.64	9.95	9.02	-7.65	1.37
5795	53	0.01	0.27	-23.49	3.67	9.99	9.02	-9.55	-0.53	-20.74	3.66	9.95	9.02	-6.85	2.17
	54	0.01	0.27	-23.58	3.67	9.99	9.02	-9.64	-0.62	-21.20	3.66	9.95	9.02	-7.31	1.71
	56	0.01	0.27	-24.05	3.67	9.99	9.02	-10.12	-1.10	-21.44	3.66	9.95	9.02	-7.55	1.47

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 17, 2024
Temperature / Humidity 26 deg. C / 33 % RH
Engineer Miku Ikudome
Mode Tx 11ax-40(OFDMA) CDD, 242-tone RU

1st + 2nd Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5755	61	0.04	0.08	0.12	-9.25	26.98	36.23		0.31	0.63	0.95	-0.23	36.00	36.23	
	62	0.04	0.08	0.12	-9.24	26.98	36.22		0.33	0.62	0.95	-0.22	36.00	36.22	
5795	61	0.05	0.08	0.13	-8.84	26.98	35.82		0.66	1.04	1.04	0.18	36.00	35.82	
	62	0.05	0.08	0.13	-8.87	26.98	35.85		0.38	0.66	1.03	0.15	36.00	35.85	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd						
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5755	61	0.01	0.27	-27.98	3.66	9.99	9.02	-14.05	-5.03	-24.86	3.64	9.95	9.02	-10.99	-1.97
	62	0.01	0.27	-27.76	3.66	9.99	9.02	-13.83	-4.81	-24.97	3.64	9.95	9.02	-11.10	-2.08
5795	61	0.01	0.27	-27.13	3.67	9.99	9.02	-13.19	-4.17	-24.71	3.66	9.95	9.02	-10.82	-1.80
	62	0.01	0.27	-27.19	3.67	9.99	9.02	-13.25	-4.23	-24.73	3.66	9.95	9.02	-10.84	-1.82

Sample Calculation:

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 17, 2024
Temperature / Humidity 26 deg. C / 33 % RH
Engineer Miku Ikudome
Mode Tx 11ax-40(OFDMA) CDD, 484-tone RU

1st + 2nd Applied limit: 15.407 and RSS-247

Tested Frequency	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		1st	2nd	Sum				1st	2nd	Sum			
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5755	65	0.02	0.04	0.06	-12.05	26.98	39.03	0.17	0.33	0.50	-3.03	36.00	39.03
5795	65	0.03	0.04	0.07	-11.66	26.98	38.64	0.20	0.34	0.54	-2.64	36.00	38.64

Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	1st					2nd						
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5755	65	0.01	0.27	-30.69	3.66	9.99	9.02	-16.77	-7.75	-27.71	3.64	9.95	9.02	-13.84	-4.82
5795	65	0.01	0.27	-29.91	3.67	9.99	9.02	-15.97	-6.95	-27.57	3.66	9.95	9.02	-13.68	-4.66

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Miku Ikudome
Mode Tx 11ac-80 CDD

1st + 2nd		Applied limit: 15.407 and RSS-247										
Tested Frequency [MHz]	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1st	2nd	Sum				1st	2nd	Sum			
	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5775	0.01	0.02	0.03	-14.61	26.98	41.59	0.11	0.17	0.28	-5.59	36.00	41.59

1st										2nd					
Tested Frequency [MHz]	Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result			PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Directional Gain [dBi]	PSD Result	
							Cond.	e.i.r.p.						Cond.	e.i.r.p.
5775	0.01	0.27	-32.53	3.66	9.99	9.02	-18.60	-9.58		-30.69	3.64	9.95	9.02	-16.82	-7.80

Sample Calculation:
PSD: Power Spectral Density
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 = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams
Number of transmit antennas = 2, Number of spatial streams = 1
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)

*This measurement was performed onlly on the on time using gate function of spectrum analyzer, because duty cycle was not constant.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 16, 2024
Temperature / Humidity 25 deg. C / 43 % RH
Engineer Miku Ikudome
Mode Tx 11ax-80(OFDM) CDD

1st + 2nd							Applied limit: 15.407 and RSS-247					
Tested Frequency	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	1st	2nd	Sum				1st	2nd	Sum			
[MHz]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5775	0.01	0.02	0.04	-14.35	26.98	41.33	0.12	0.17	0.29	-5.33	36.00	41.33

			1st						2nd					
Tested Frequency	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5775	0.01	0.27	-32.20	3.66	9.99	9.02	-18.28	-9.26	-30.48	3.64	9.95	9.02	-16.61	-7.59

Sample Calculation:
PSD: Power Spectral Density
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 = Antenna Gain + Arry Gain, Arry Gain = 10log(Number of transmit antennas / Number of spatial streams
Number of transmit antennas = 2, Number of spatial streams = 1
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)

*This measurement was performed on the on time using gate function of spectrum analyzer, because duty cycle was not constant.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 17, 2024
Temperature / Humidity 26 deg. C / 33 % RH
Engineer Miku Ikudome
Mode Tx 11ax-80(OFDMA) CDD, 26-tone RU

1st + 2nd

Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5775	0	0.44	0.63	1.07	0.30	26.98	26.68		3.52	5.04	8.55	9.32	36.00	26.68	
	18	0.37	0.53	0.90	-0.47	26.98	27.45		2.92	4.24	7.16	8.55	36.00	27.45	
	36	0.38	0.59	0.96	-0.17	26.98	27.15		3.00	4.67	7.67	8.85	36.00	27.15	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd						
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5775	0	0.01	0.27	-17.49	3.66	9.99	9.02	-3.56	5.46	-15.87	3.64	9.95	9.02	-2.00	7.02
	18	0.01	0.27	-18.30	3.66	9.99	9.02	-4.37	4.65	-16.61	3.64	9.95	9.02	-2.74	6.28
	36	0.01	0.27	-18.18	3.66	9.99	9.02	-4.25	4.77	-16.19	3.64	9.95	9.02	-2.33	6.69

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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)

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 17, 2024
Temperature / Humidity 26 deg. C / 33 % RH
Engineer Miku Ikudome
Mode Tx 11ax-80(OFDMA) CDD, 52-tone RU

1st + 2nd								Applied limit: 15.407 and RSS-247							
Tested Frequency	RU Index	PSD (Cond.)						PSD (e.i.r.p.)							
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
		1st	2nd	Sum				1st	2nd	Sum					
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		
5775	37	0.21	0.34	0.55	-2.57	26.98	29.55	1.67	2.74	4.41	6.45	36.00	29.55		
	44	0.23	0.32	0.55	-2.60	26.98	29.58	1.81	2.57	4.38	6.42	36.00	29.58		
	52	0.20	0.30	0.50	-3.02	26.98	30.00	1.60	2.39	3.98	6.00	36.00	30.00		

Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	1st				2nd				PSD Result Cond.	PSD Result e.i.r.p.		
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Reading	Cable Loss	Atten. Loss	Directional Gain				
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dB]	[dB]	[dBi]				
5775	37	0.01	0.27	-20.72	3.66	9.99	9.02	-6.79	2.23	-18.51	3.64	9.95	9.02	-4.64	4.38
	44	0.01	0.27	-20.37	3.66	9.99	9.02	-6.44	2.58	-18.79	3.64	9.95	9.02	-4.92	4.10
	52	0.01	0.27	-20.92	3.66	9.99	9.02	-6.99	2.03	-19.11	3.64	9.95	9.02	-5.24	3.78

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 17, 2024
Temperature / Humidity 26 deg. C / 33 % RH
Engineer Miku Ikudome
Mode Tx 11ax-80(OFDMA) CDD, 106-tone RU

1st + 2nd Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5775	53	0.11	0.18	0.29	-5.32	26.98	32.30		0.90	1.44	2.34	3.70	36.00	32.30	
	56	0.11	0.17	0.29	-5.43	26.98	32.41		0.89	1.39	2.29	3.59	36.00	32.41	
	60	0.10	0.16	0.26	-5.78	26.98	32.76		0.83	1.27	2.11	3.24	36.00	32.76	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd						
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5775	53	0.01	0.27	-23.40	3.66	9.99	9.02	-9.48	-0.46	-21.29	3.64	9.95	9.02	-7.43	1.59
	56	0.01	0.27	-23.43	3.66	9.99	9.02	-9.50	-0.48	-21.46	3.64	9.95	9.02	-7.59	1.43
	60	0.01	0.27	-23.75	3.66	9.99	9.02	-9.82	-0.80	-21.84	3.64	9.95	9.02	-7.97	1.05

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 17, 2024
Temperature / Humidity 26 deg. C / 33 % RH
Engineer Miku Ikudome
Mode Tx 11ax-80(OFDMA) CDD, 242-tone RU

1st + 2nd Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		1st	2nd	Sum					1st	2nd	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5775	61	0.05	0.08	0.14	-8.69	26.98	35.67		0.42	0.65	1.08	0.33	36.00	35.67	
	62	0.06	0.08	0.14	-8.59	26.98	35.57		0.46	0.65	1.10	0.43	36.00	35.57	
	64	0.05	0.08	0.12	-9.11	26.98	36.09		0.36	0.62	0.98	-0.09	36.00	36.09	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd						
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5775	61	0.01	0.27	-26.68	3.66	9.99	9.02	-12.75	-3.73	-24.73	3.64	9.95	9.02	-10.86	-1.84
	62	0.01	0.27	-26.32	3.66	9.99	9.02	-12.39	-3.37	-24.79	3.64	9.95	9.02	-10.92	-1.90
	64	0.01	0.27	-27.38	3.66	9.99	9.02	-13.45	-4.43	-24.98	3.64	9.95	9.02	-11.11	-2.09

Sample Calculation:

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 17, 2024
Temperature / Humidity 26 deg. C / 33 % RH
Engineer Miku Ikudome
Mode Tx 11ax-80(OFDMA) CDD, 484-tone RU

1st + 2nd

Applied limit: 15.407 and RSS-247

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		1st	2nd	Sum				1st	2nd	Sum			
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5775	65	0.03	0.04	0.06	-11.90	26.98	38.88	0.22	0.30	0.52	-2.88	36.00	38.88
	66	0.02	0.04	0.06	-11.88	26.98	38.86	0.19	0.33	0.52	-2.86	36.00	38.86

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Correction Factor [dB]	1st					2nd				
				PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	PSD Result e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]
5775	65	0.01	0.27	-29.60	3.66	9.99	9.02	-15.67	-6.65	-28.13	3.64	9.95	9.02
	66	0.01	0.27	-30.11	3.66	9.99	9.02	-16.18	-7.16	-27.77	3.64	9.95	9.02

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

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)

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date May 17, 2024
Temperature / Humidity 26 deg. C / 33 % RH
Engineer Miku Ikudome
Mode Tx 11ax-80(OFDMA) CDD, 996-tone RU

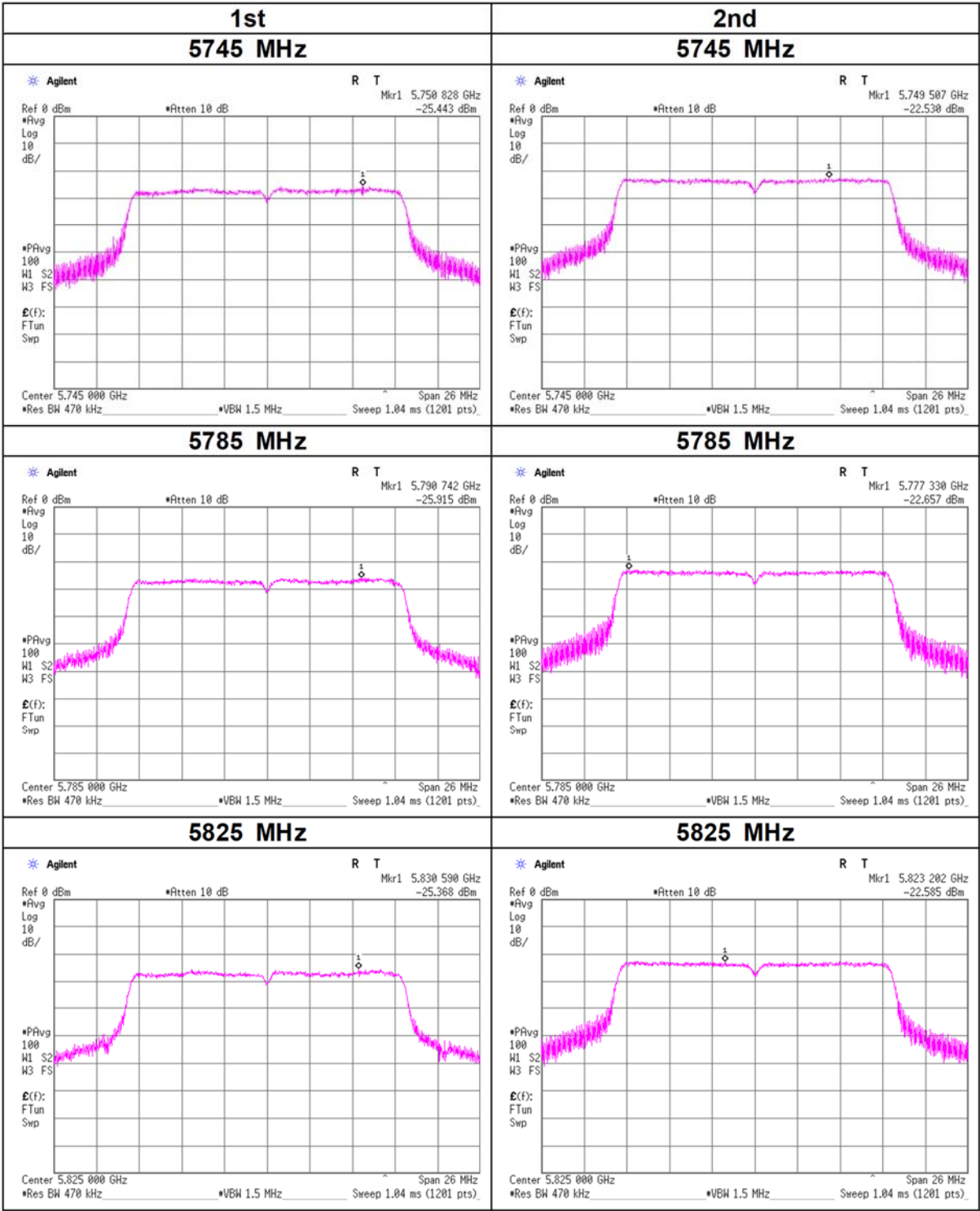
1st + 2nd								Applied limit: 15.407 and RSS-247							
Tested Frequency	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin		
		1st	2nd	Sum				1st	2nd	Sum					
[MHz]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		
5775	67	0.01	0.02	0.03	-14.67	26.98	41.65	0.11	0.17	0.27	-5.65	36.00	41.65		

1st								2nd							
Tested Frequency	RU Index	Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result Cond.	e.i.r.p.
[MHz]		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5775	67	0.01	0.27	-32.67	3.66	9.99	9.02	-18.74	-9.72	-30.70	3.64	9.95	9.02	-16.83	-7.81

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

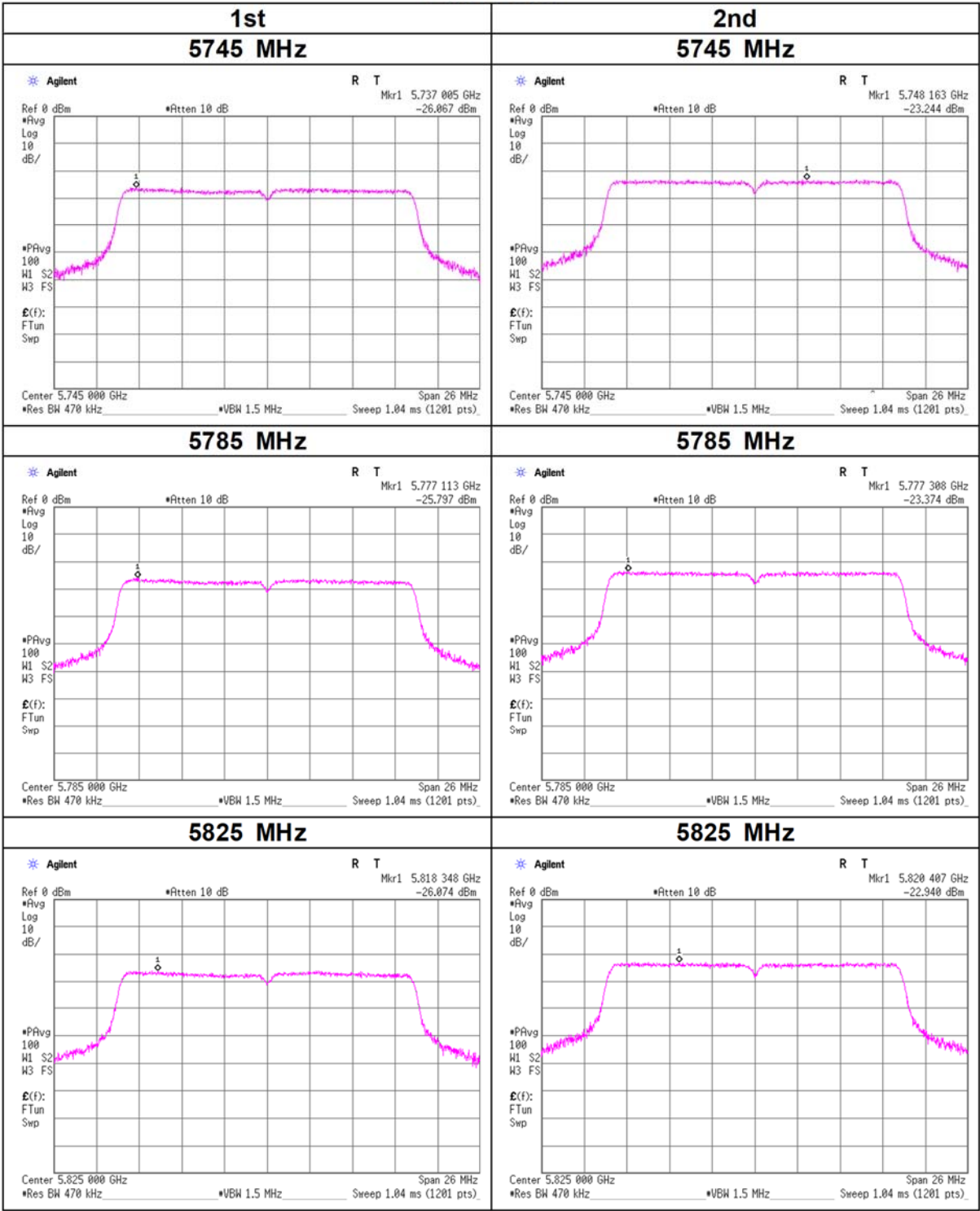
Maximum Power Spectral Density

11a



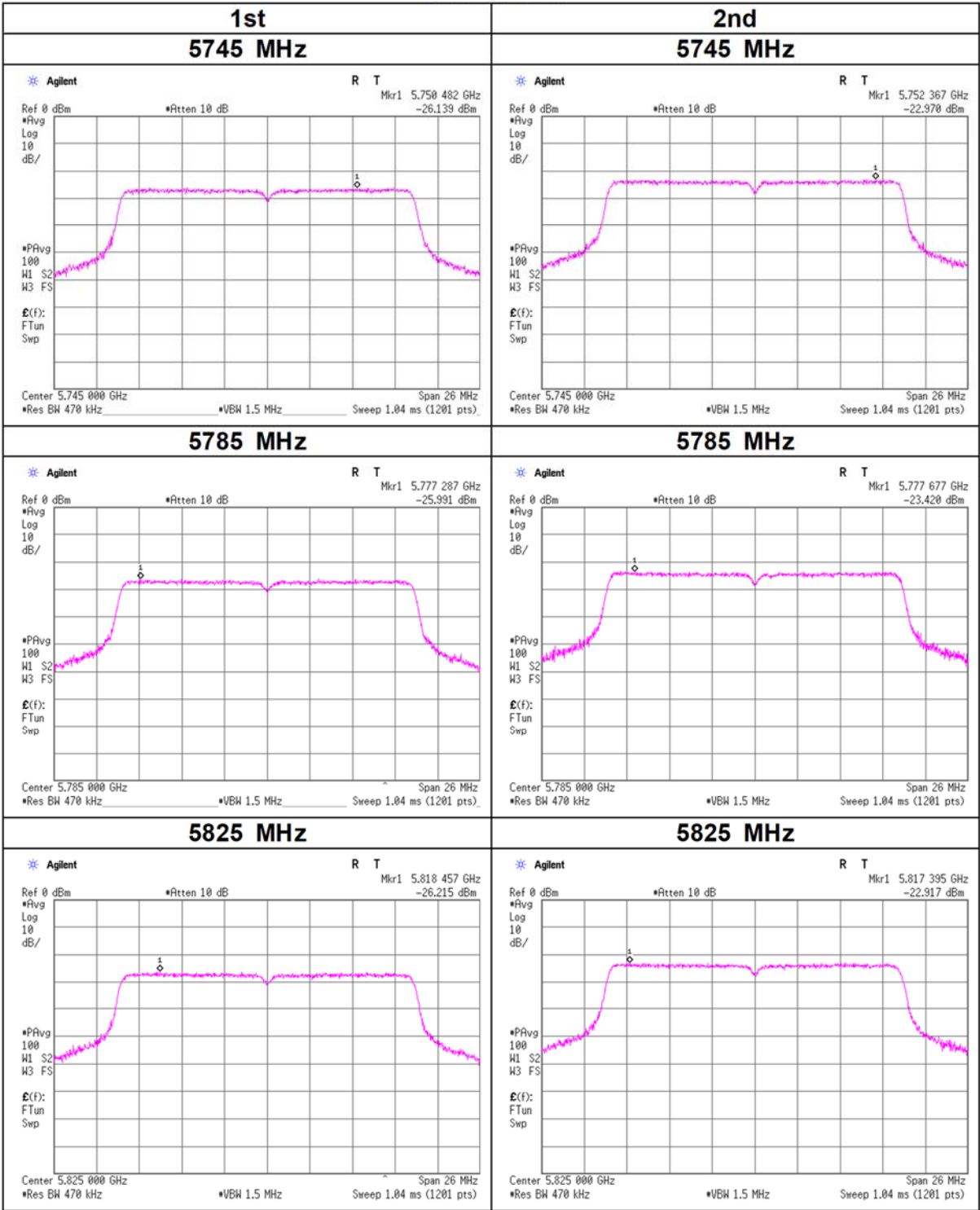
Maximum Power Spectral Density

11n-20 CDD



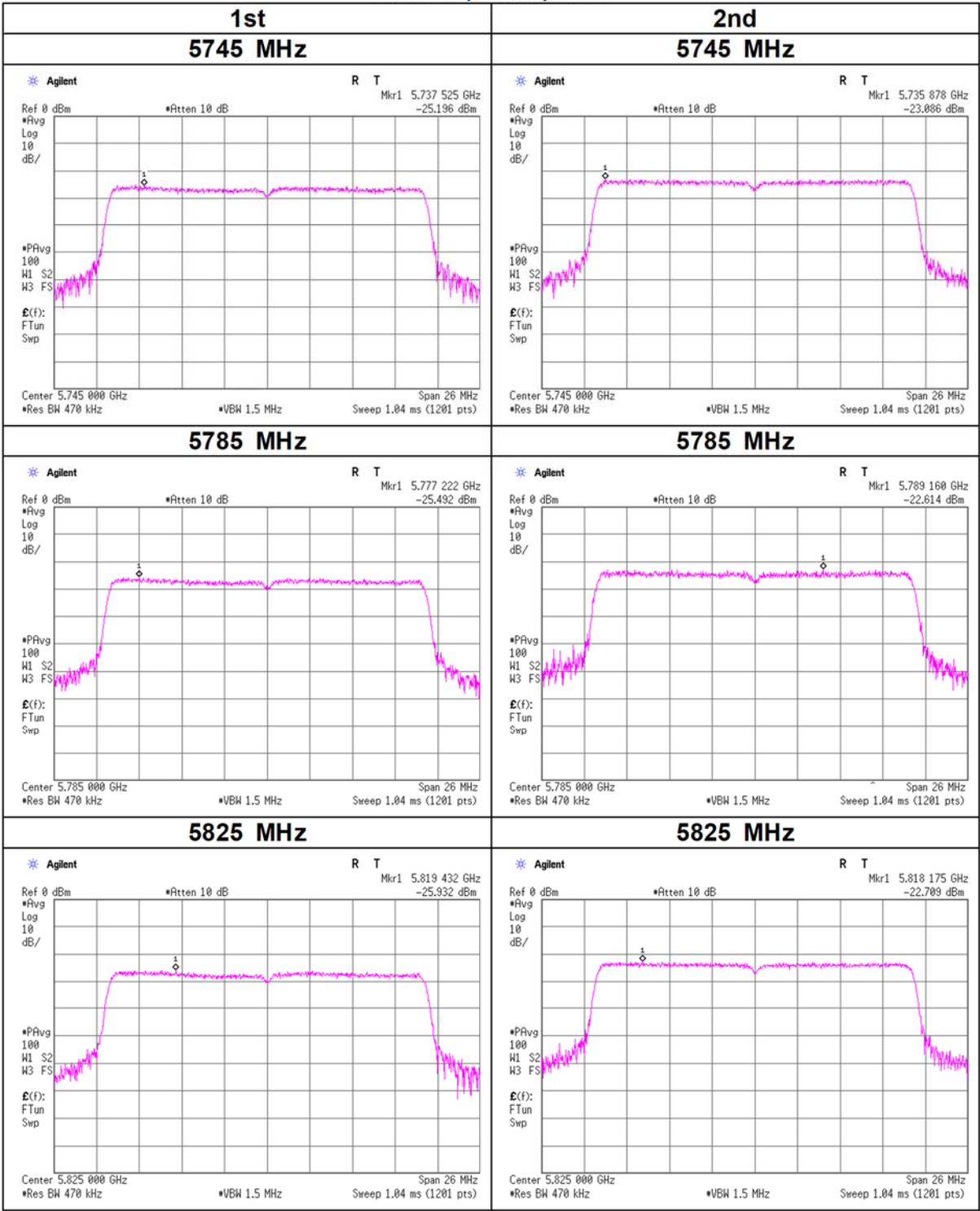
Maximum Power Spectral Density

11ac-20 CDD



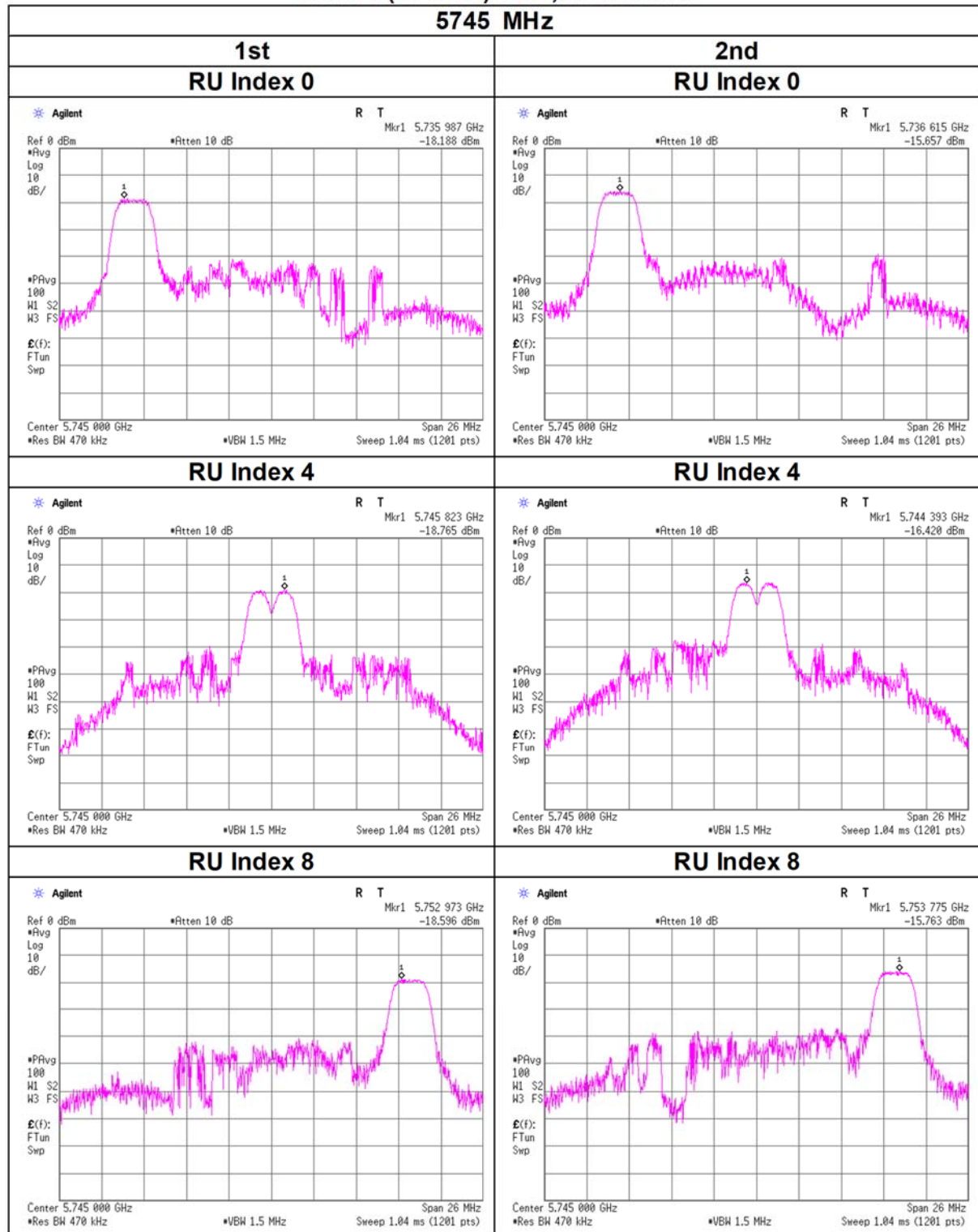
Maximum Power Spectral Density

11ax-20(OFDM) CDD



Maximum Power Spectral Density

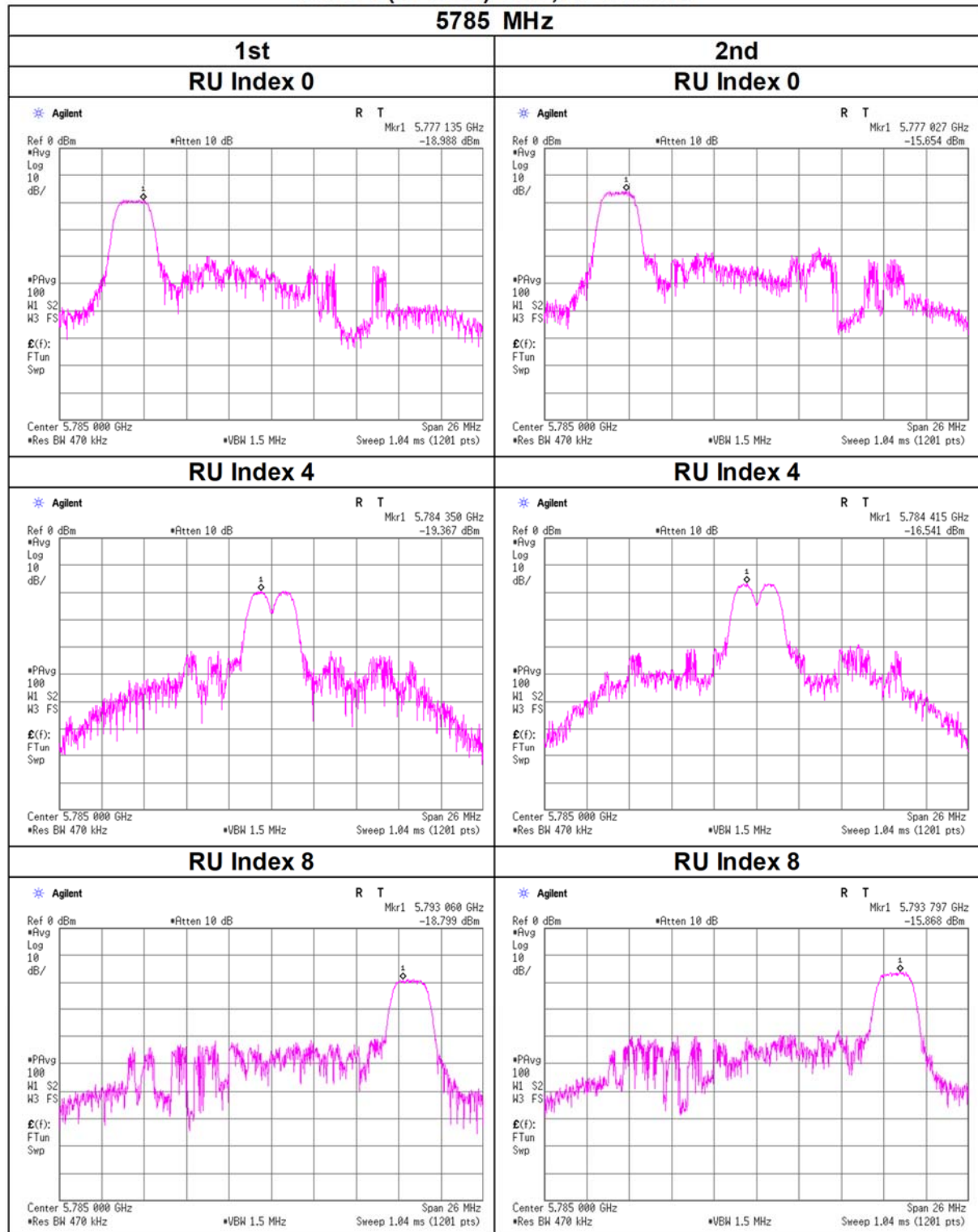
11ax-20(OFDMA) CDD, 26-tone RU



Maximum Power Spectral Density

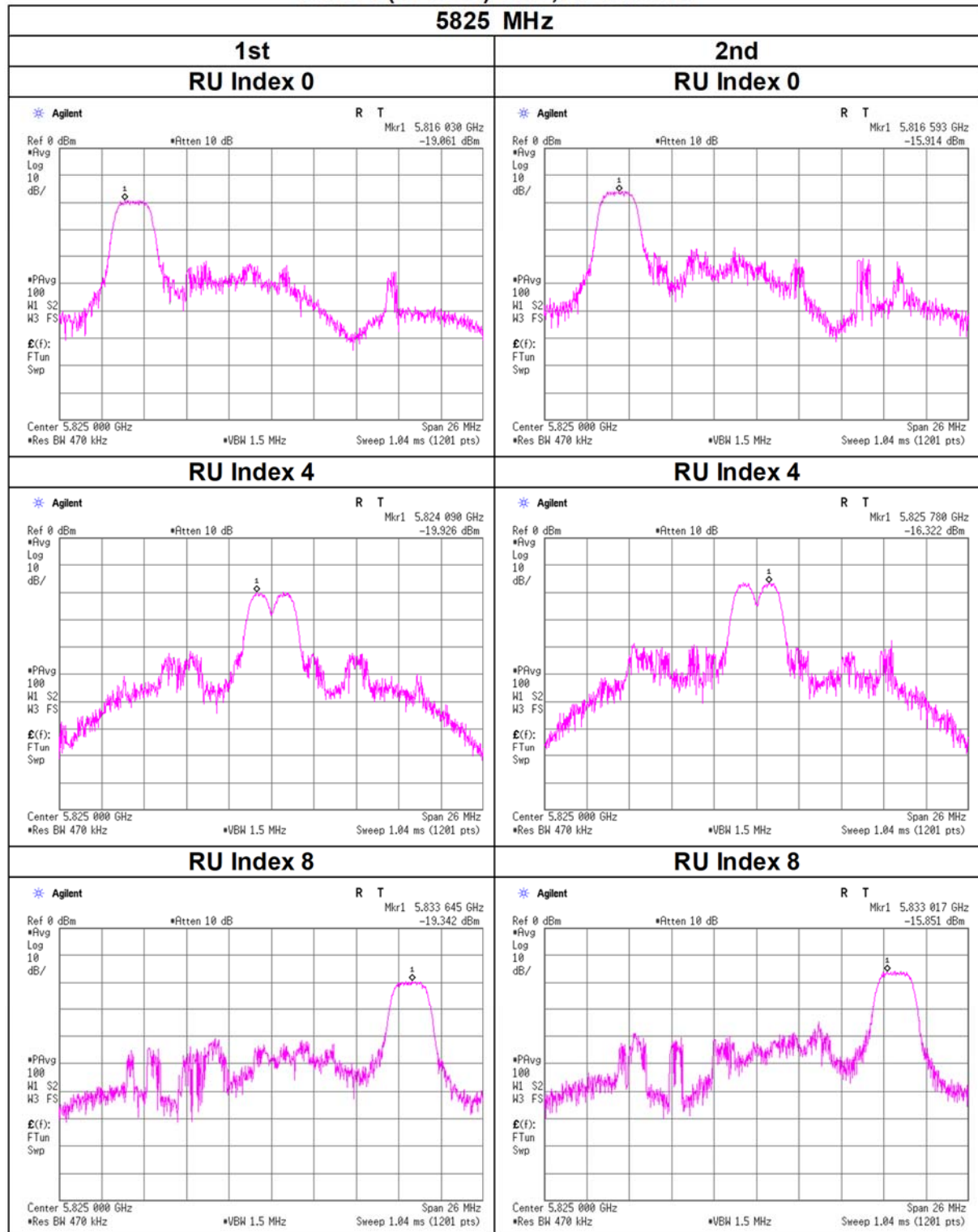
11ax-20(OFDMA) CDD, 26-tone RU

5785 MHz



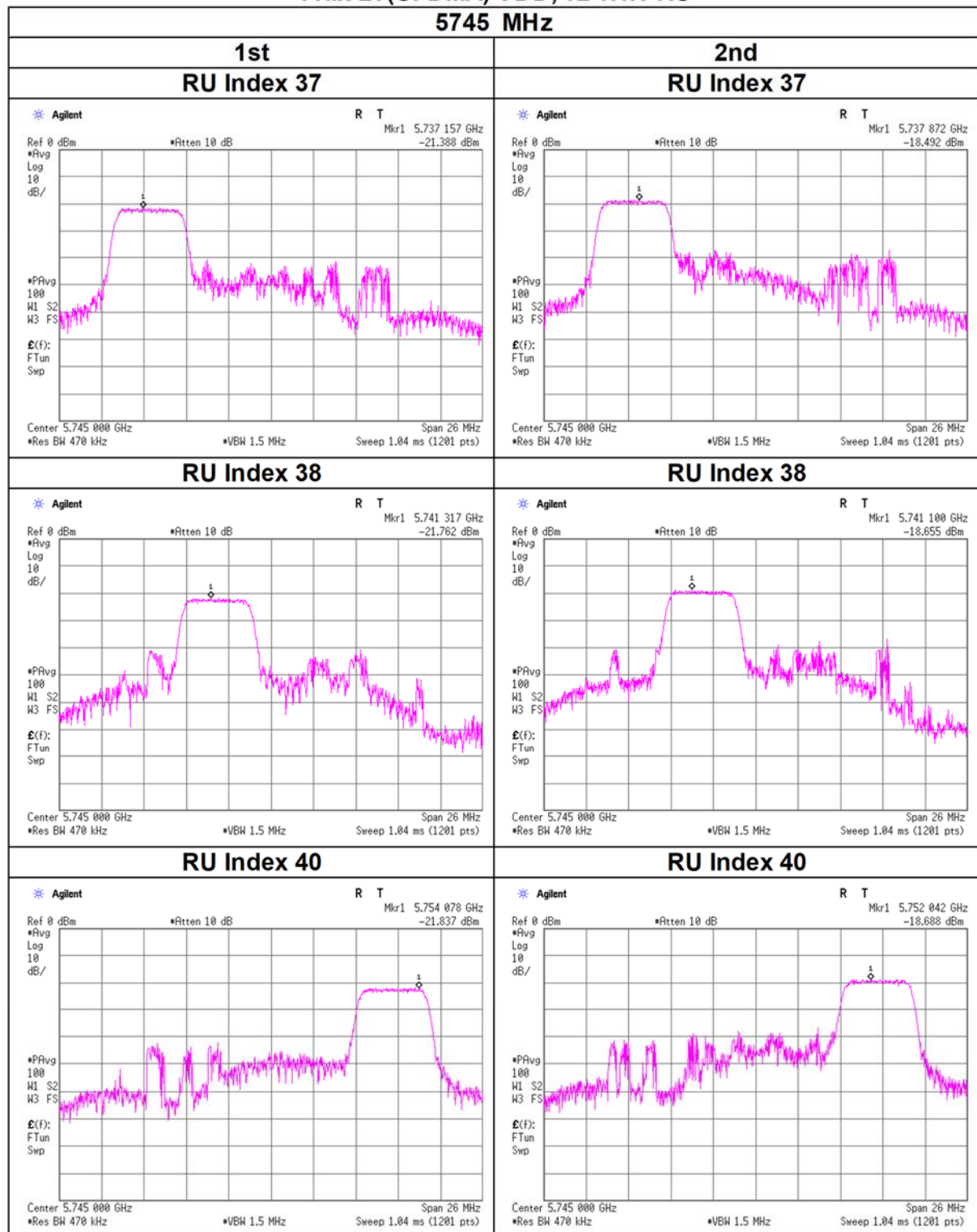
Maximum Power Spectral Density

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



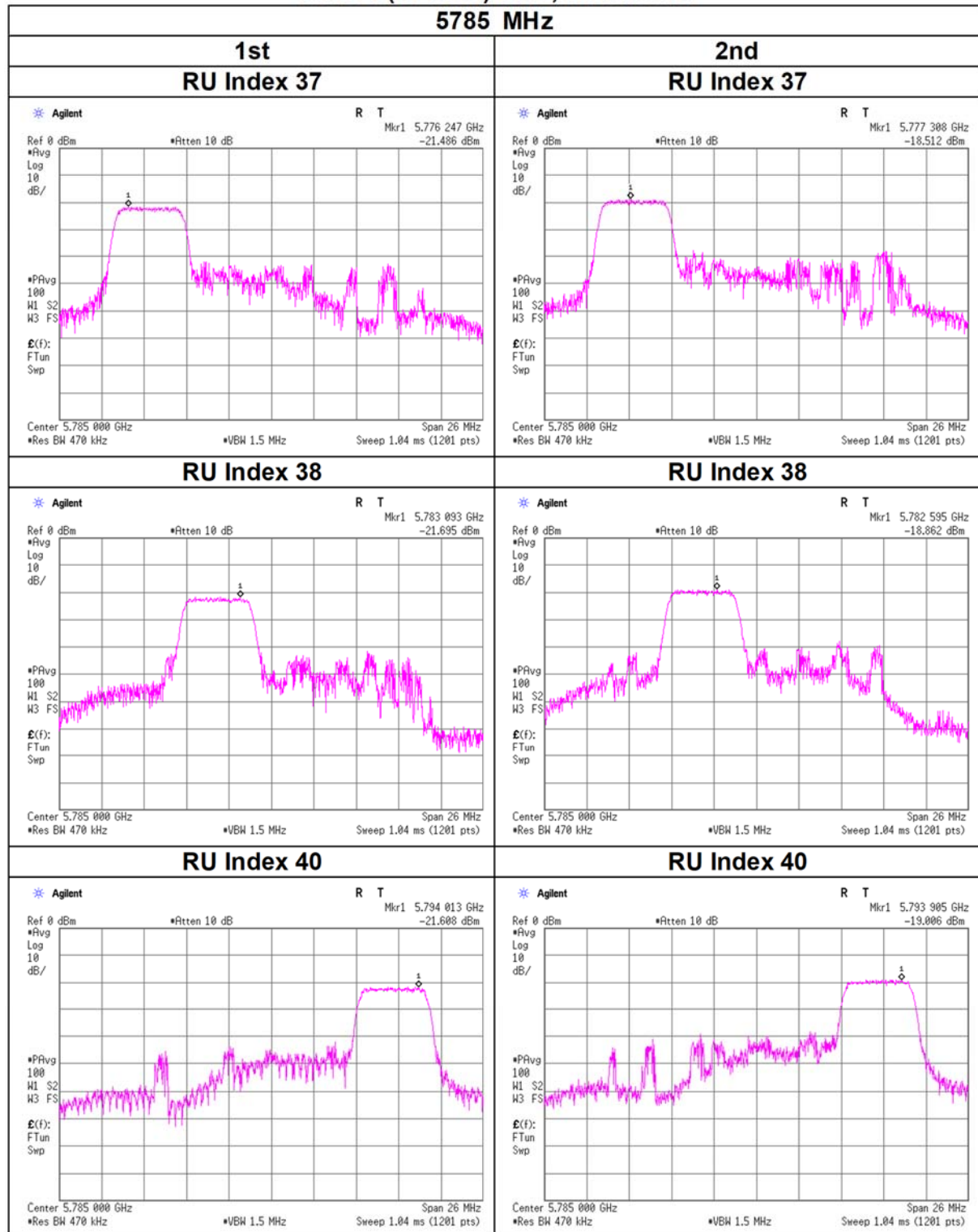
Maximum Power Spectral Density

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



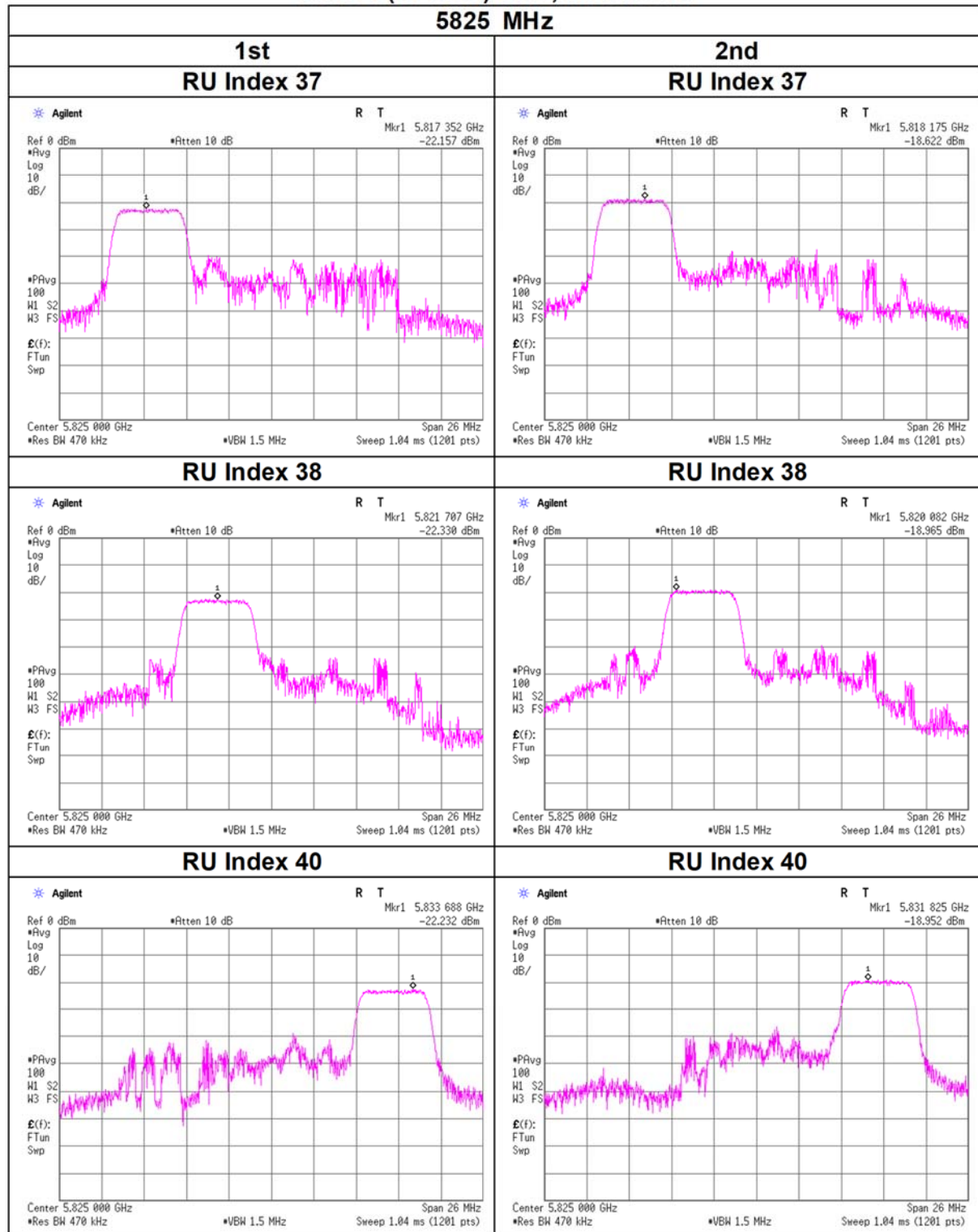
Maximum Power Spectral Density

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



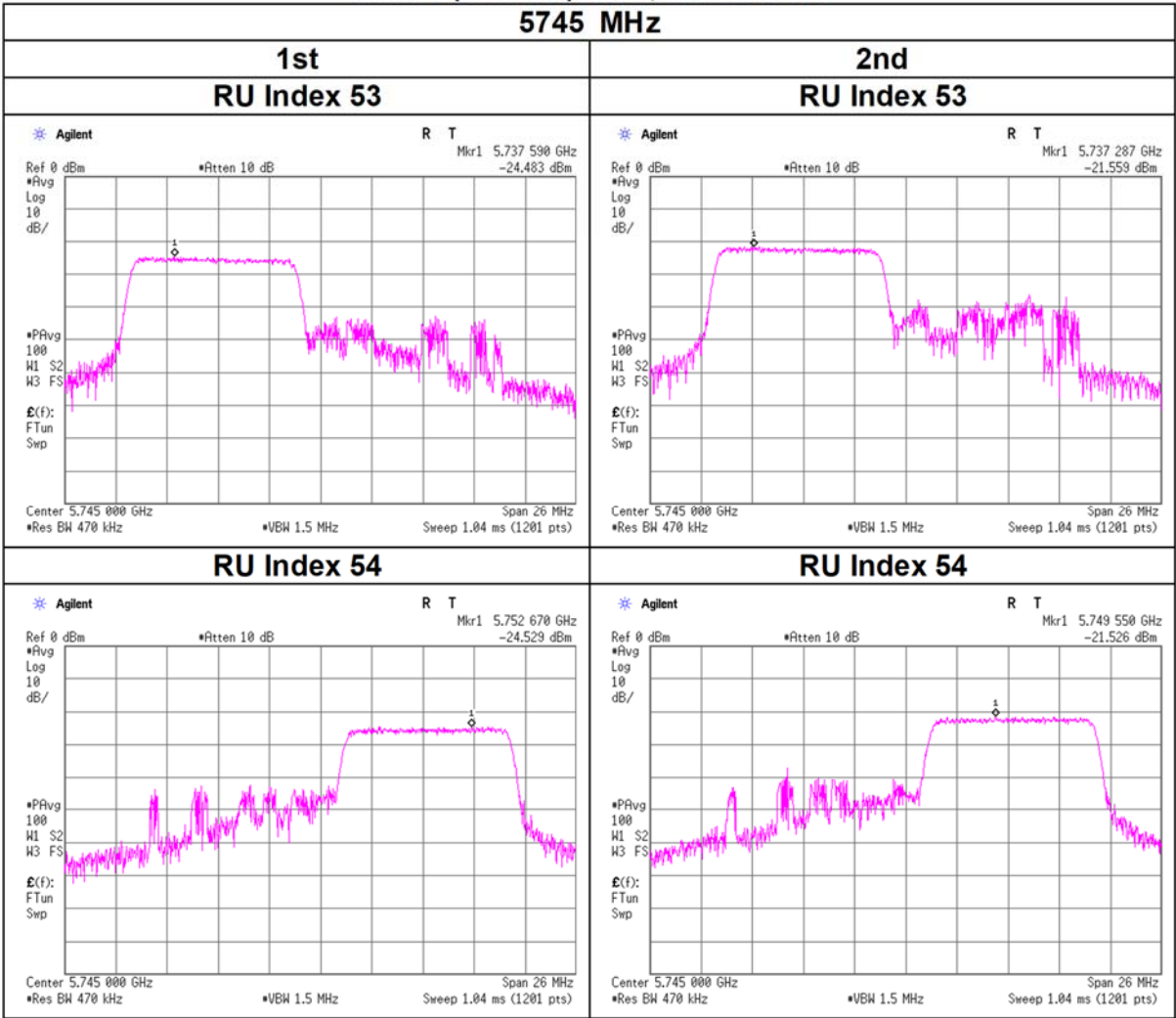
Maximum Power Spectral Density

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



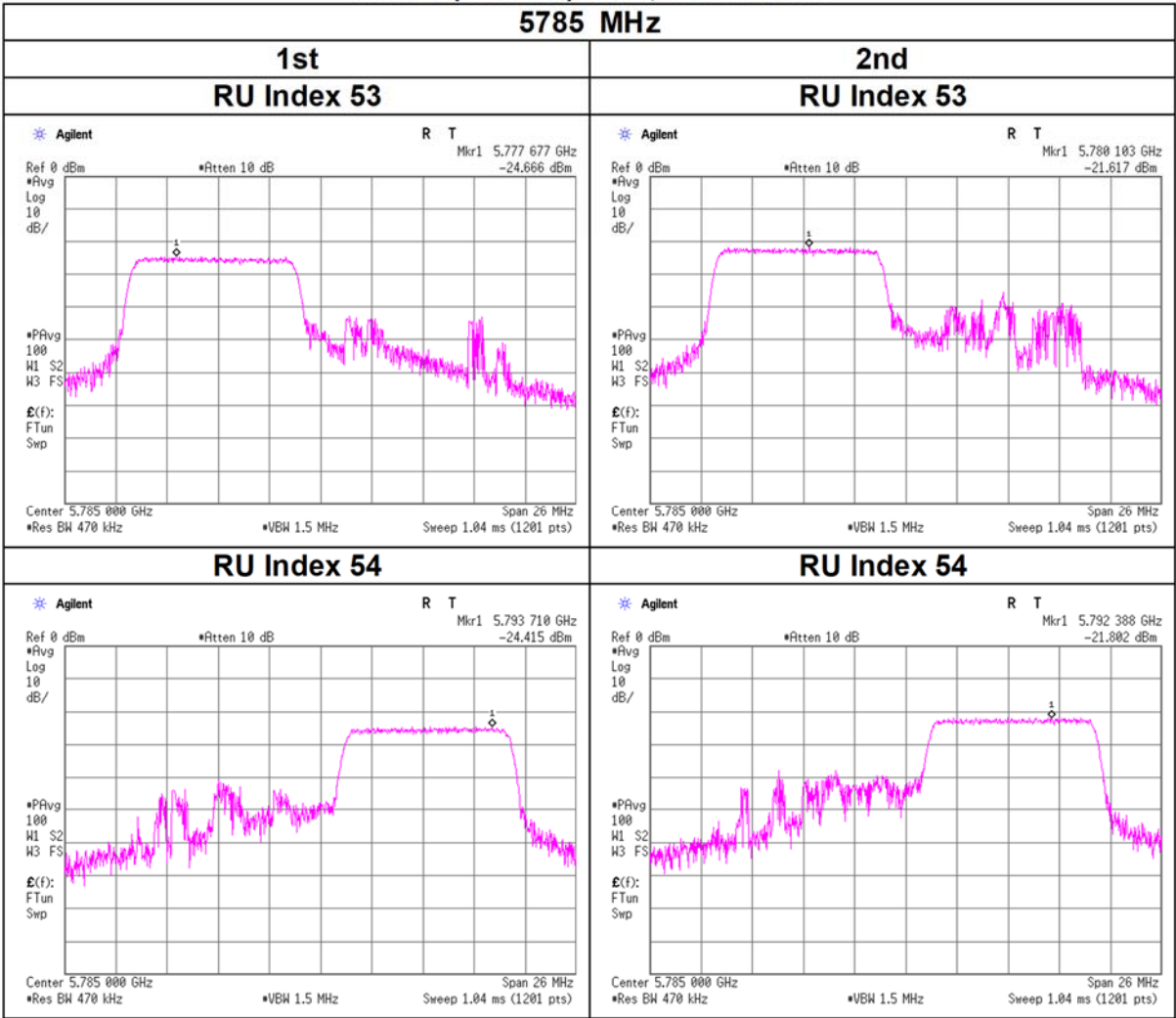
Maximum Power Spectral Density

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



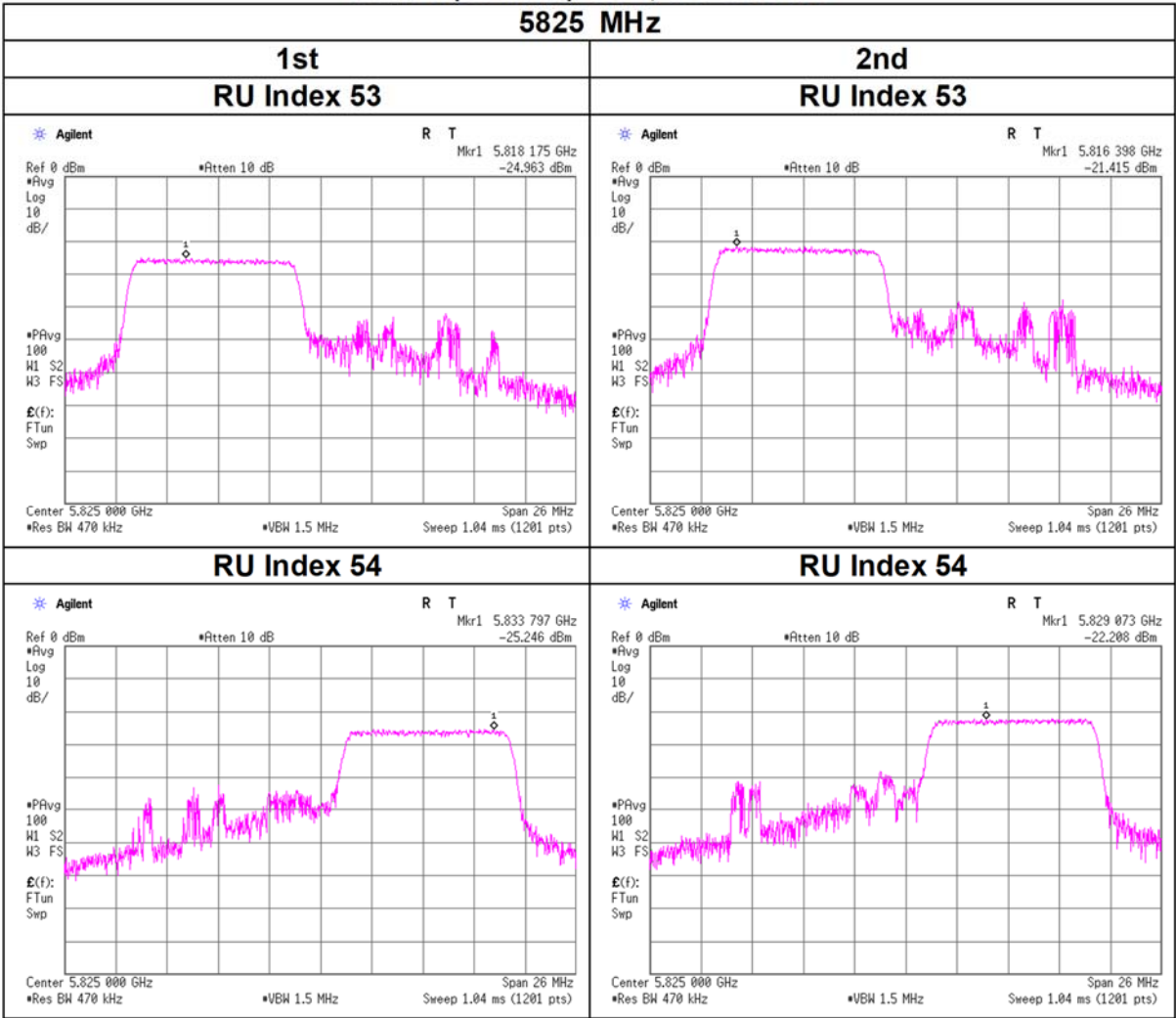
Maximum Power Spectral Density

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



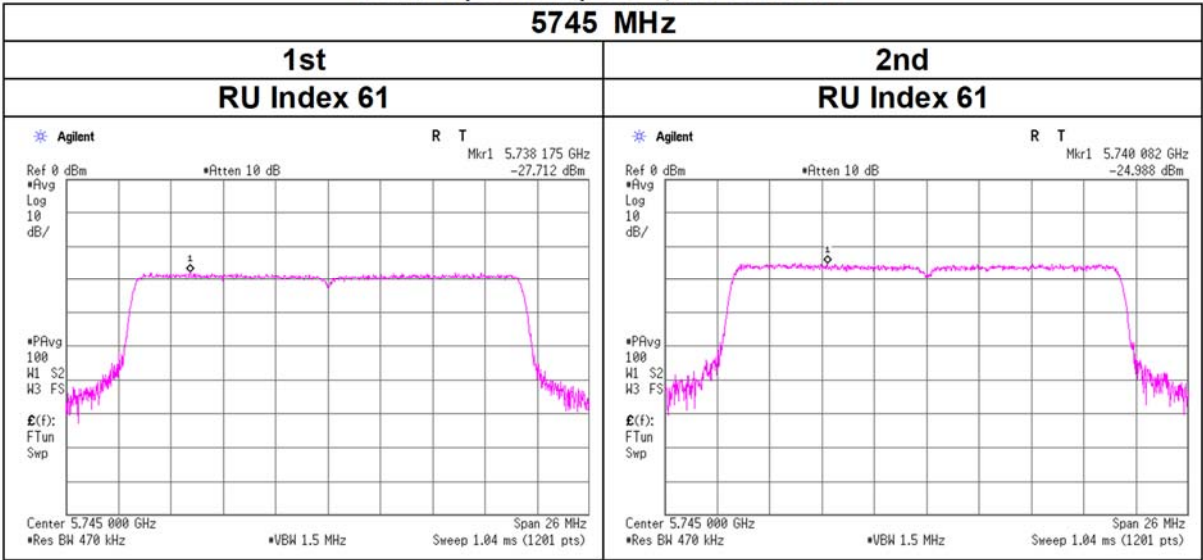
Maximum Power Spectral Density

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

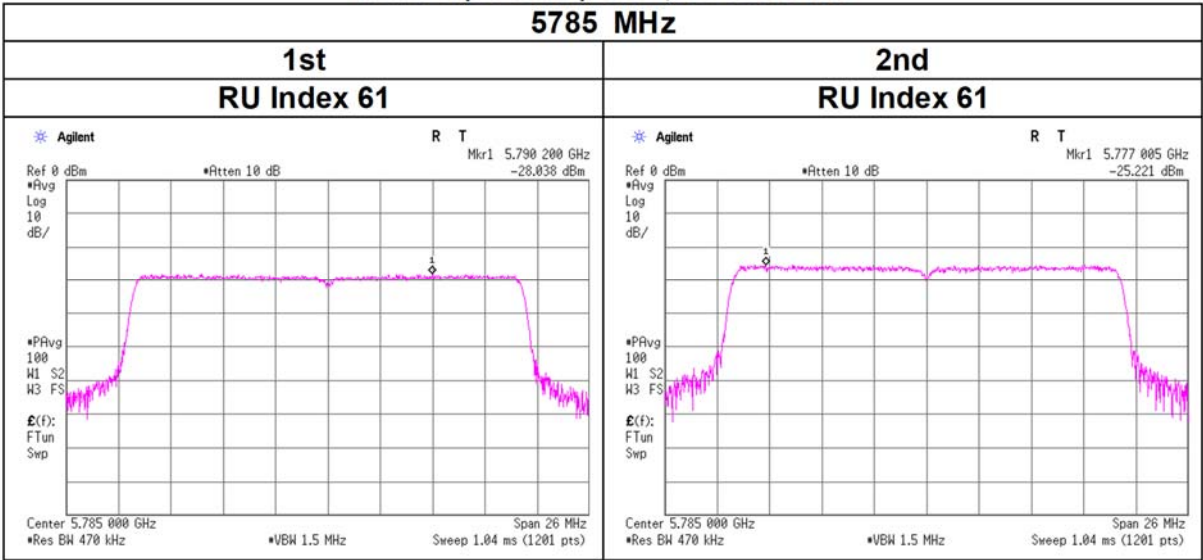


Maximum Power Spectral Density

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

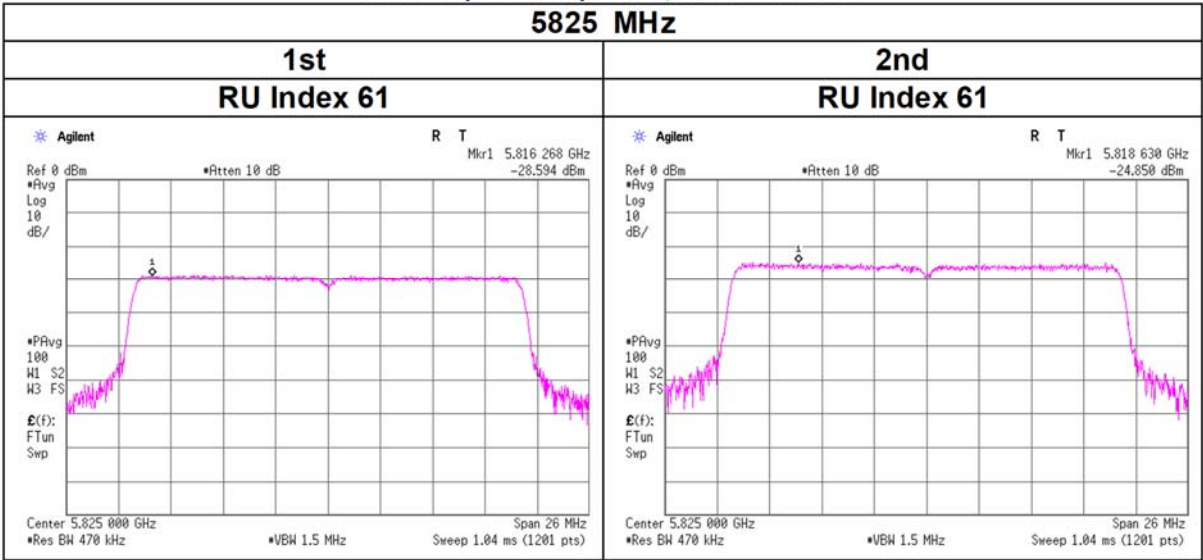


11ax-20(OFDMA) CDD, 242-tone RU



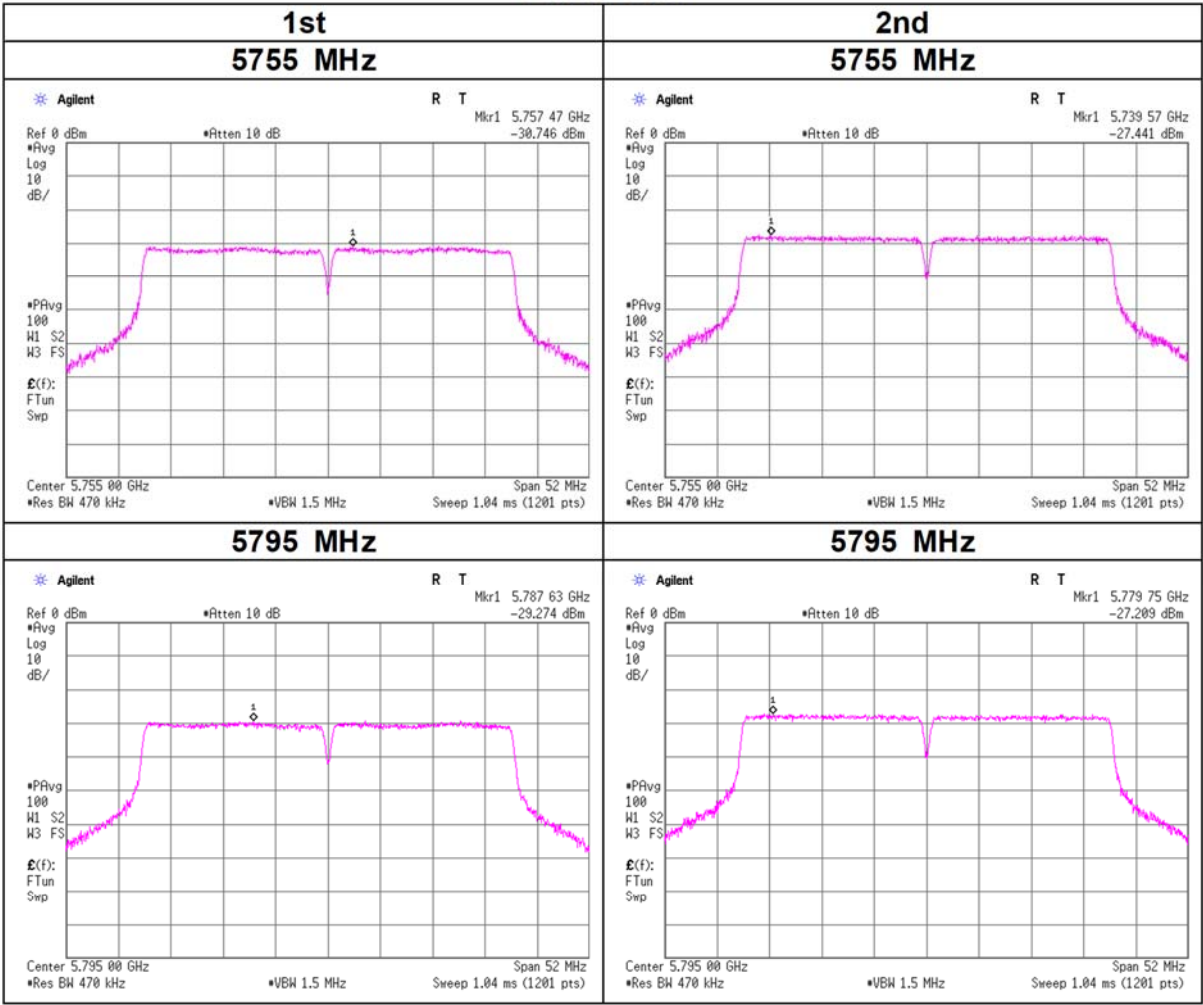
Maximum Power Spectral Density

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



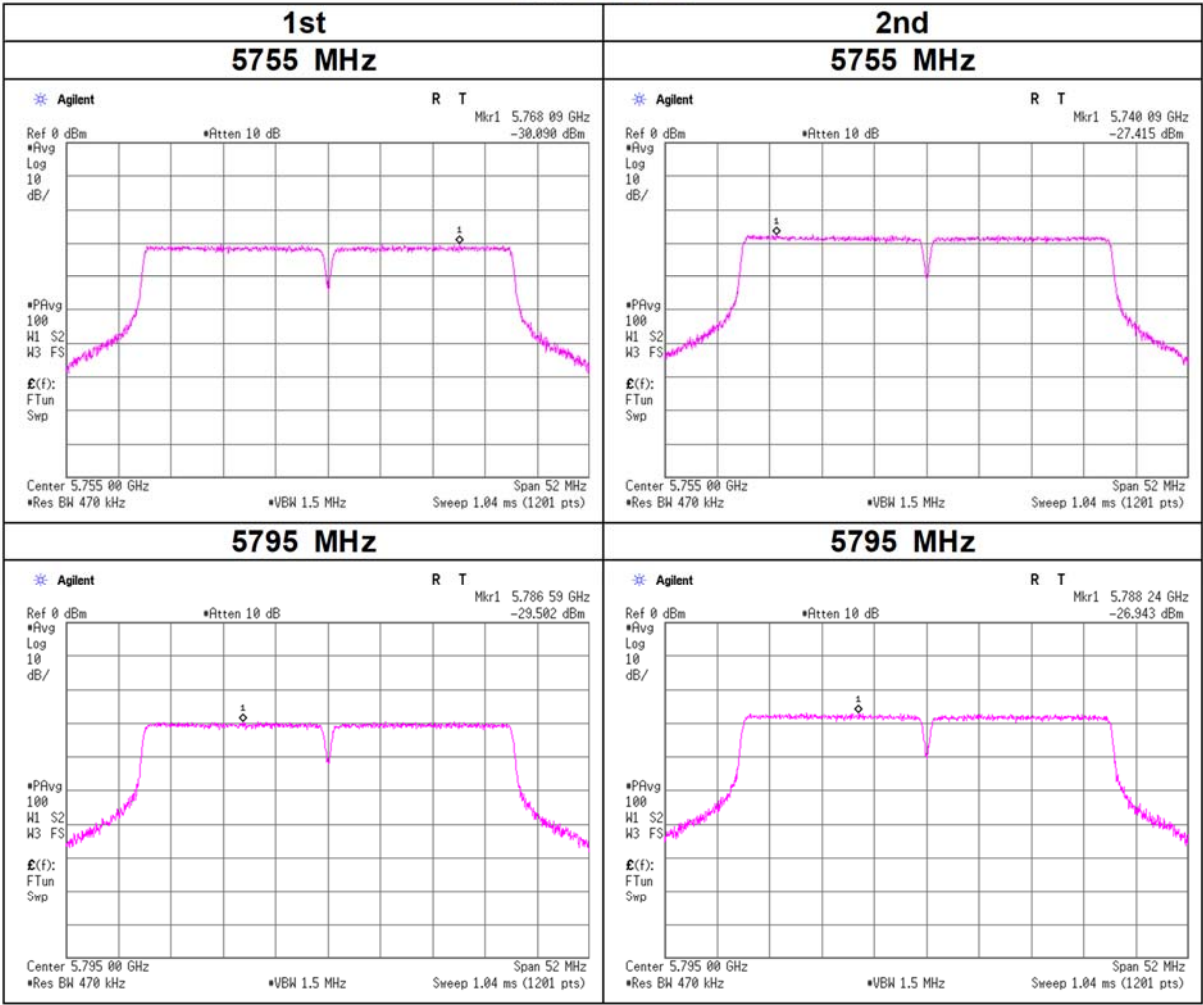
Maximum Power Spectral Density

11n-40 CDD



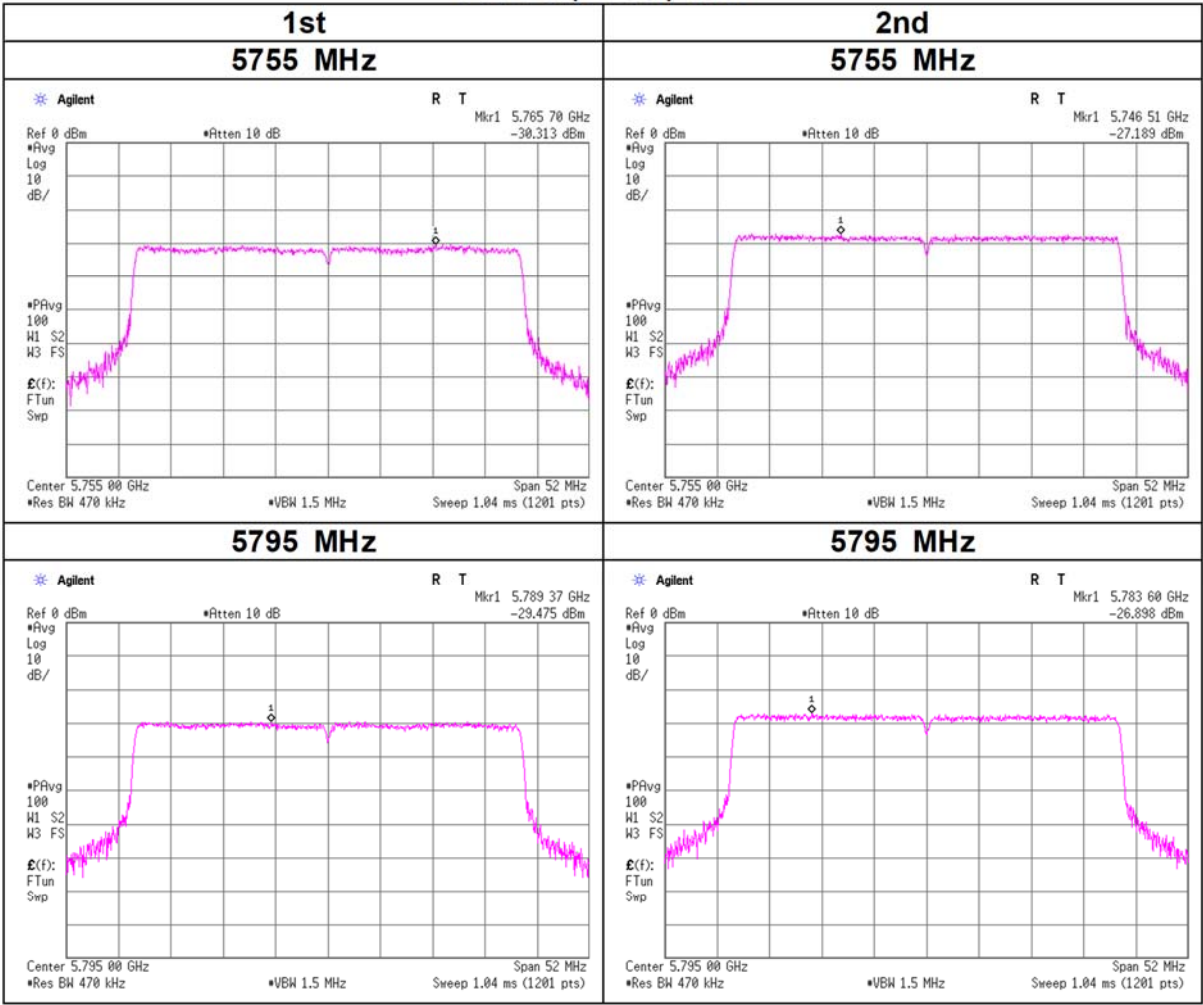
Maximum Power Spectral Density

11ac-40 CDD



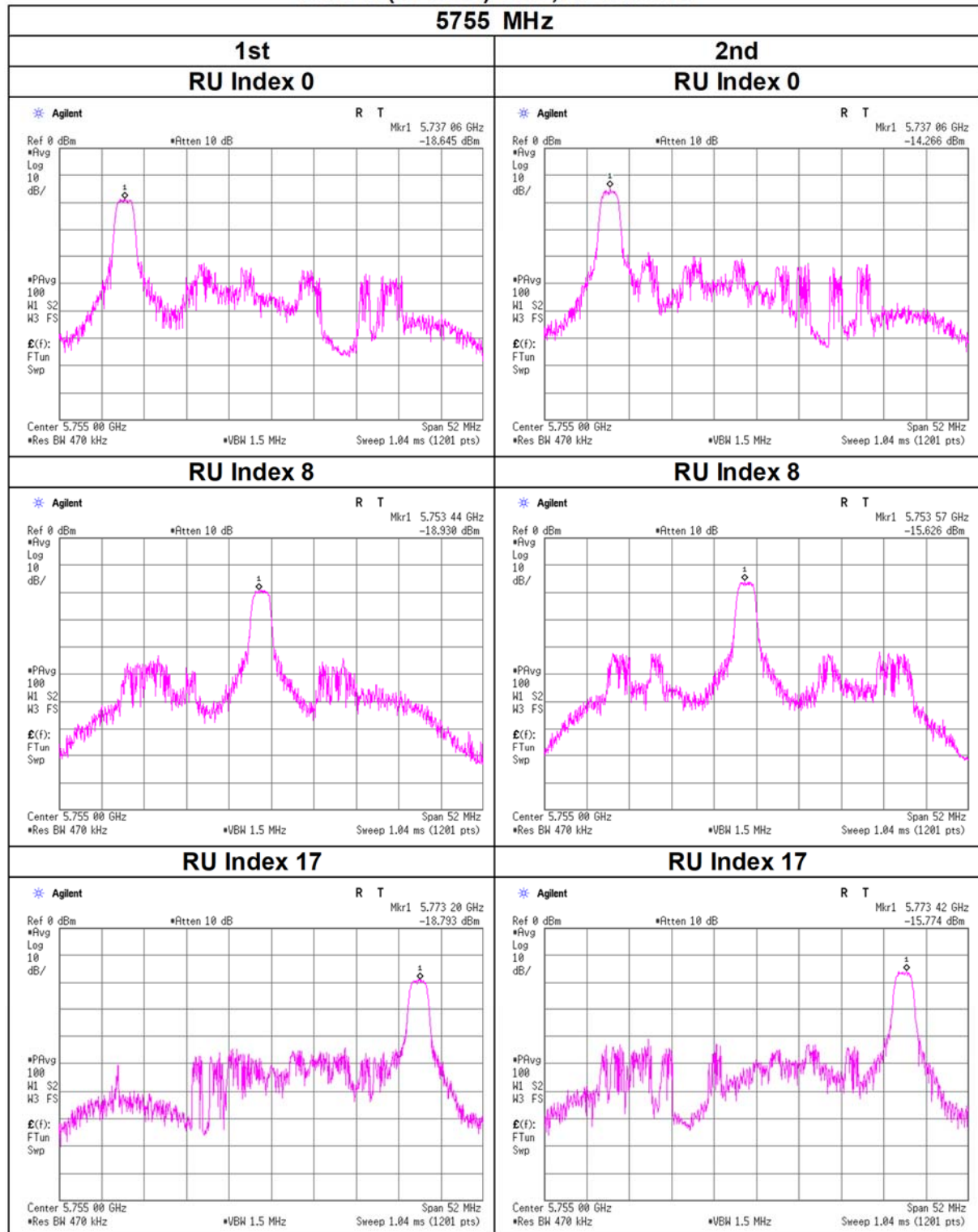
Maximum Power Spectral Density

11ax-40(OFDM) CDD



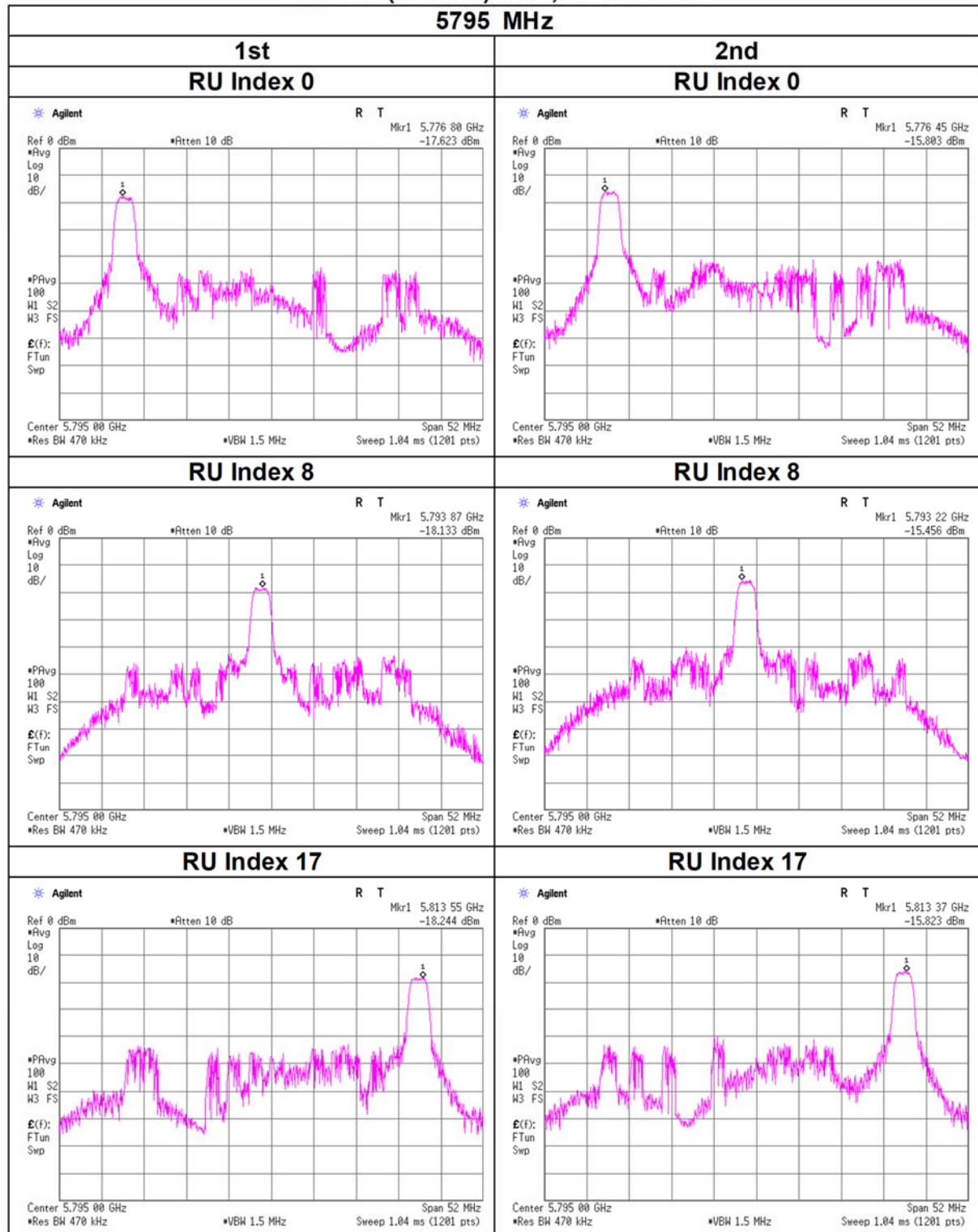
Maximum Power Spectral Density

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



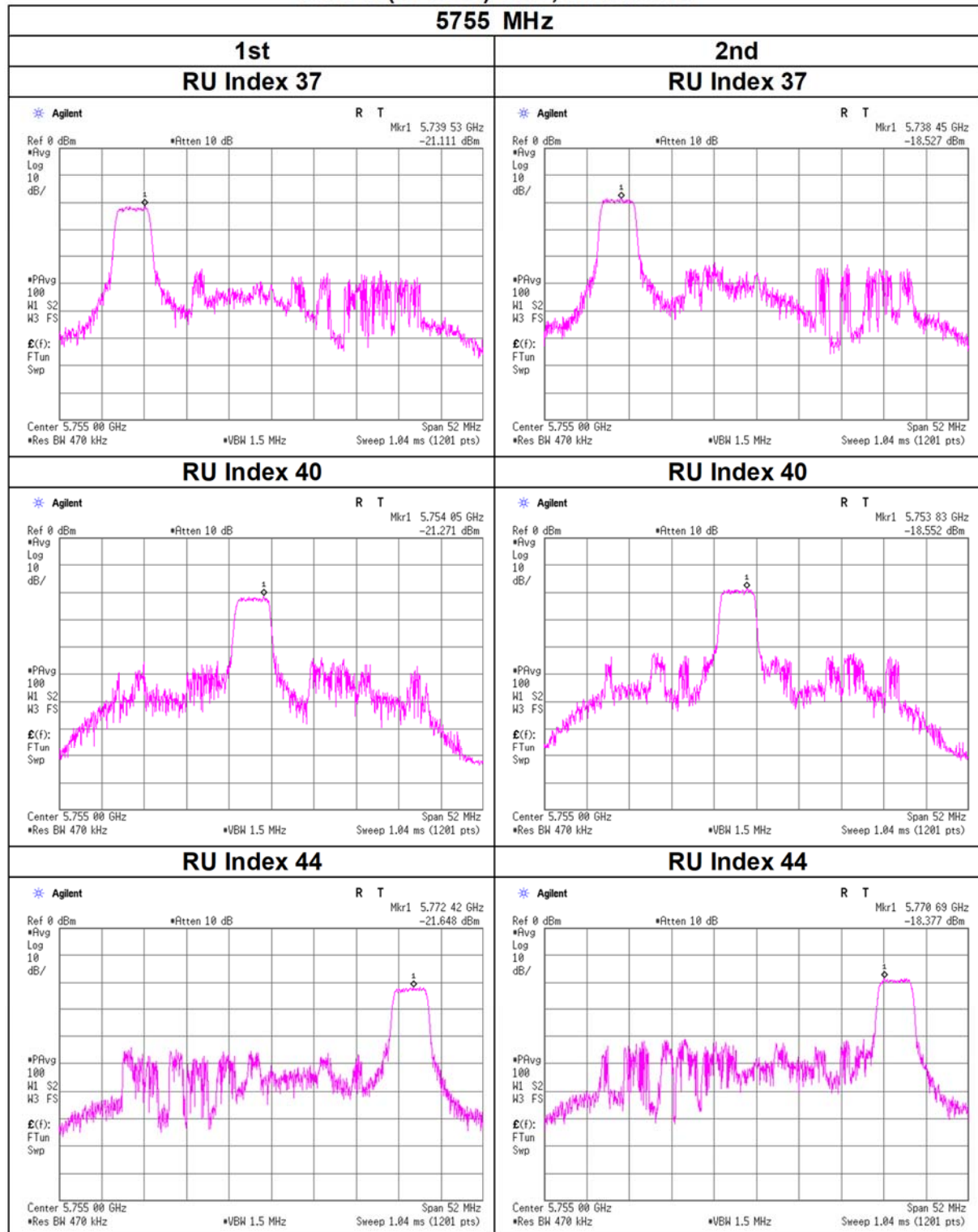
Maximum Power Spectral Density

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



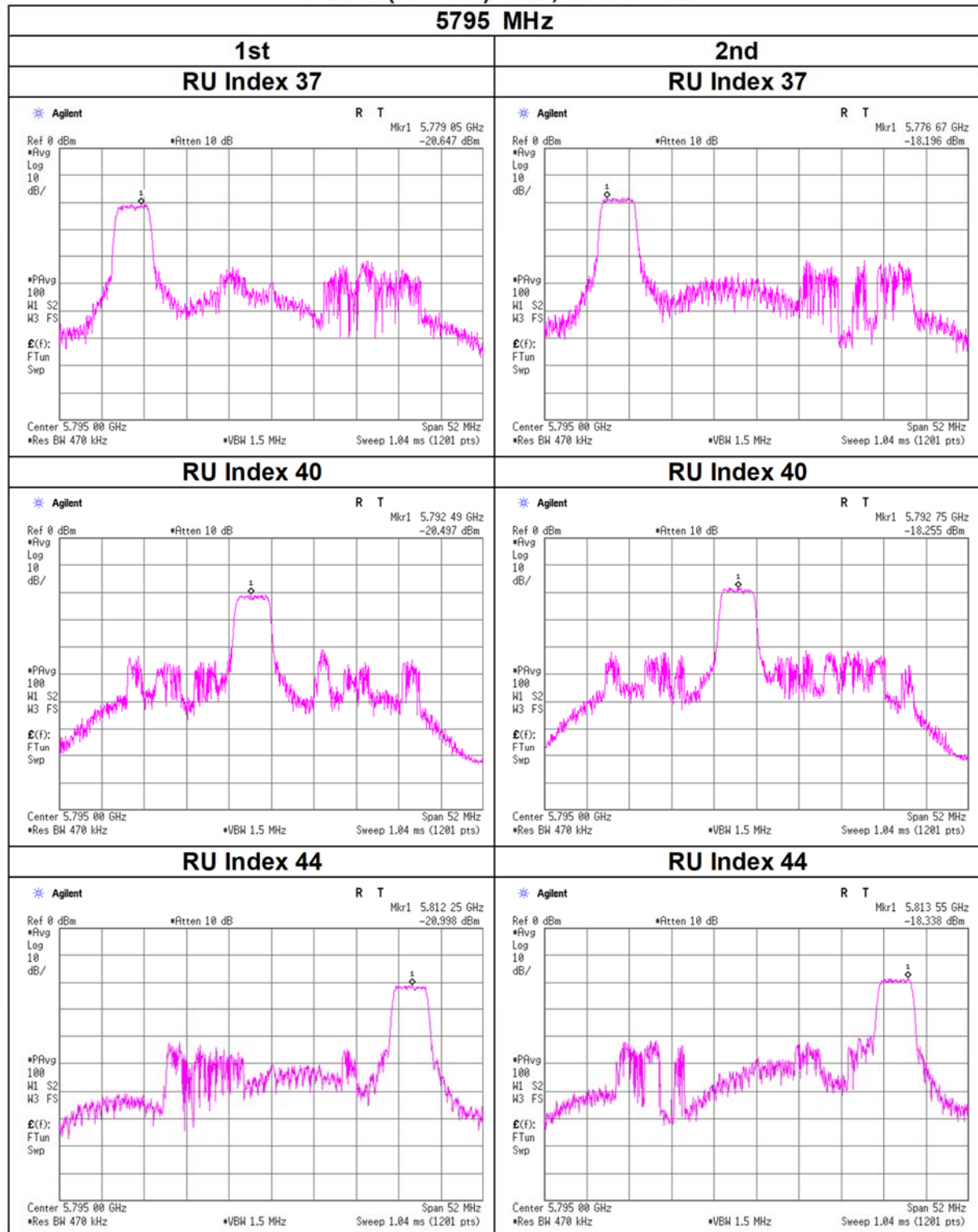
Maximum Power Spectral Density

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



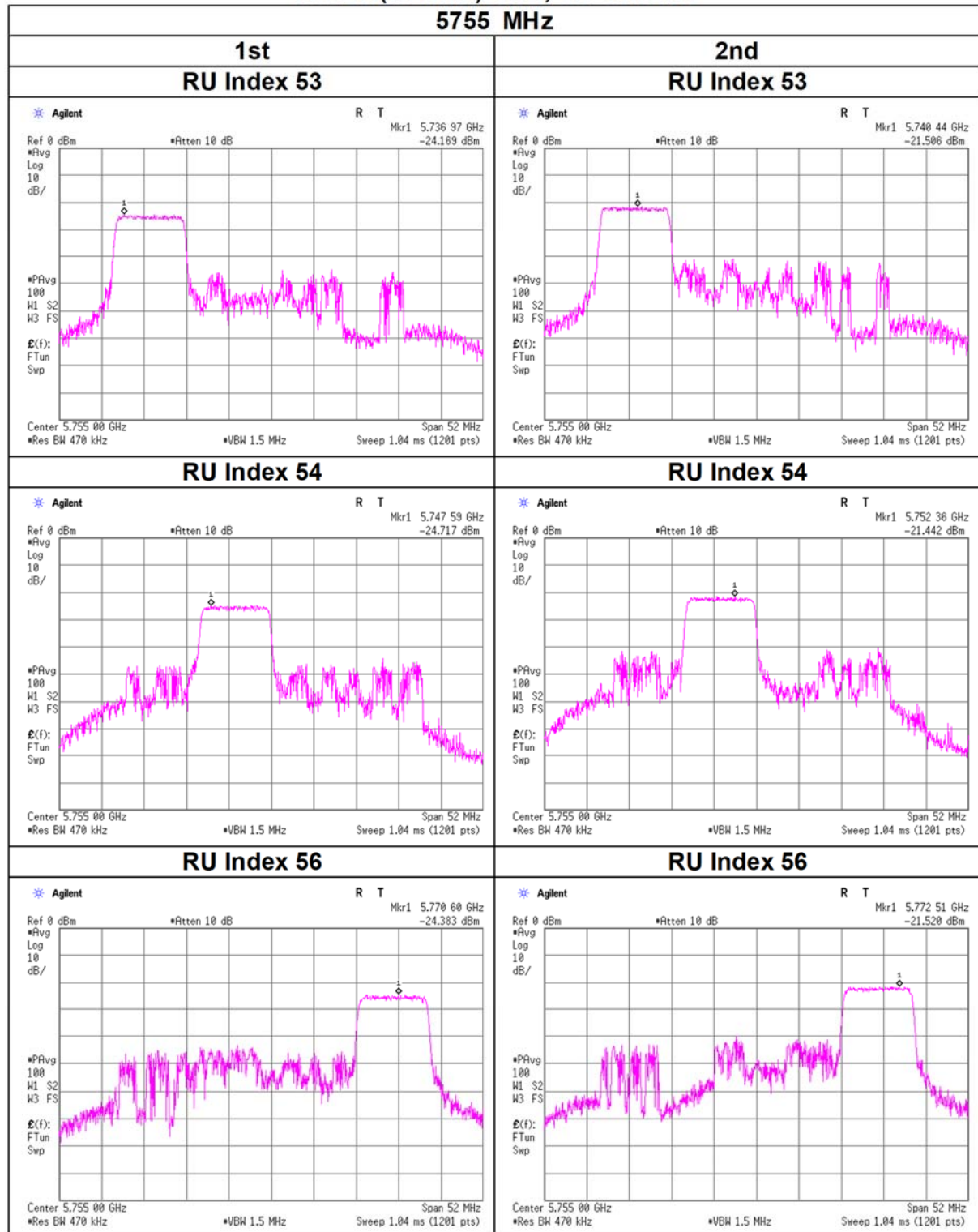
Maximum Power Spectral Density

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



Maximum Power Spectral Density

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



Maximum Power Spectral Density

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

