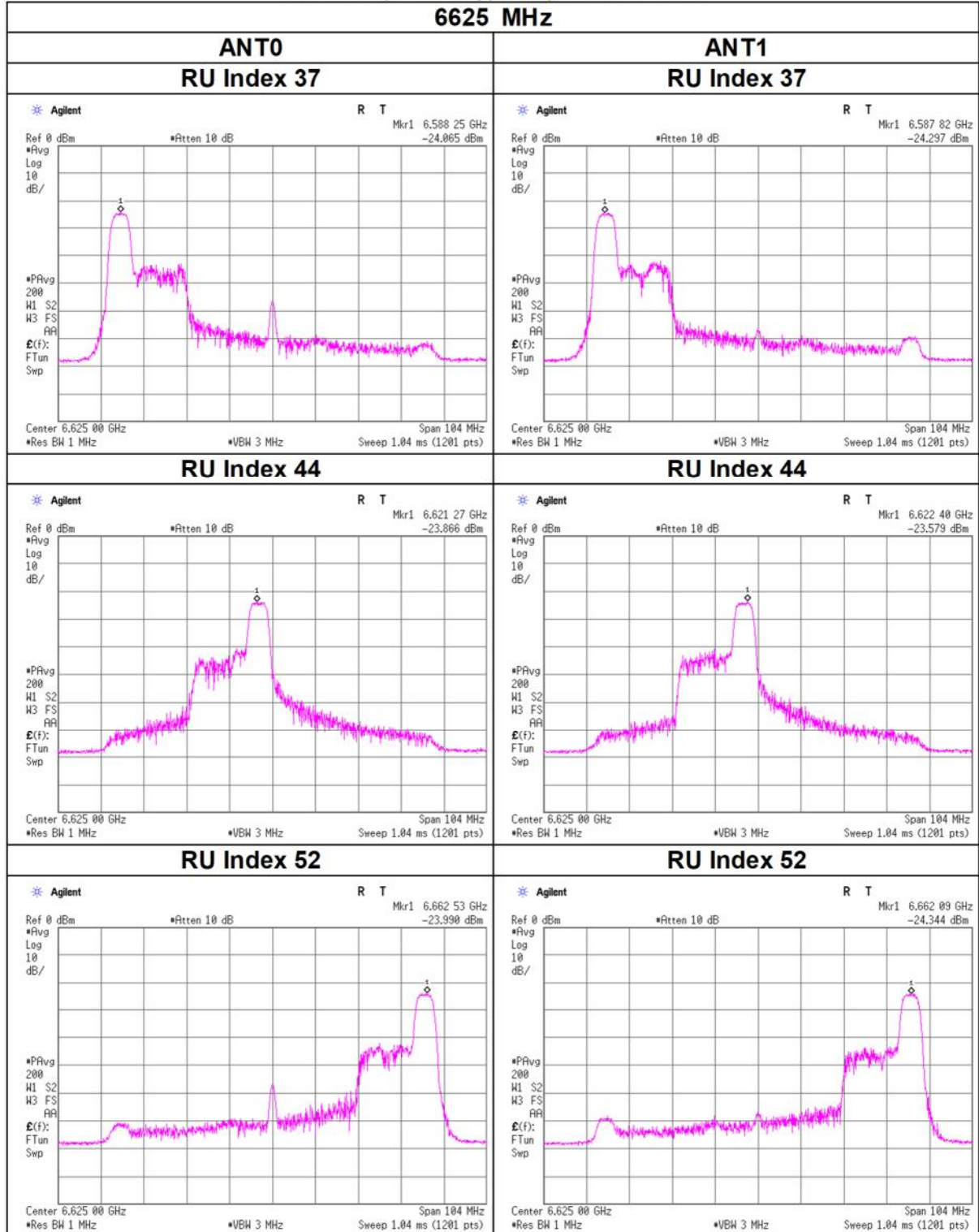


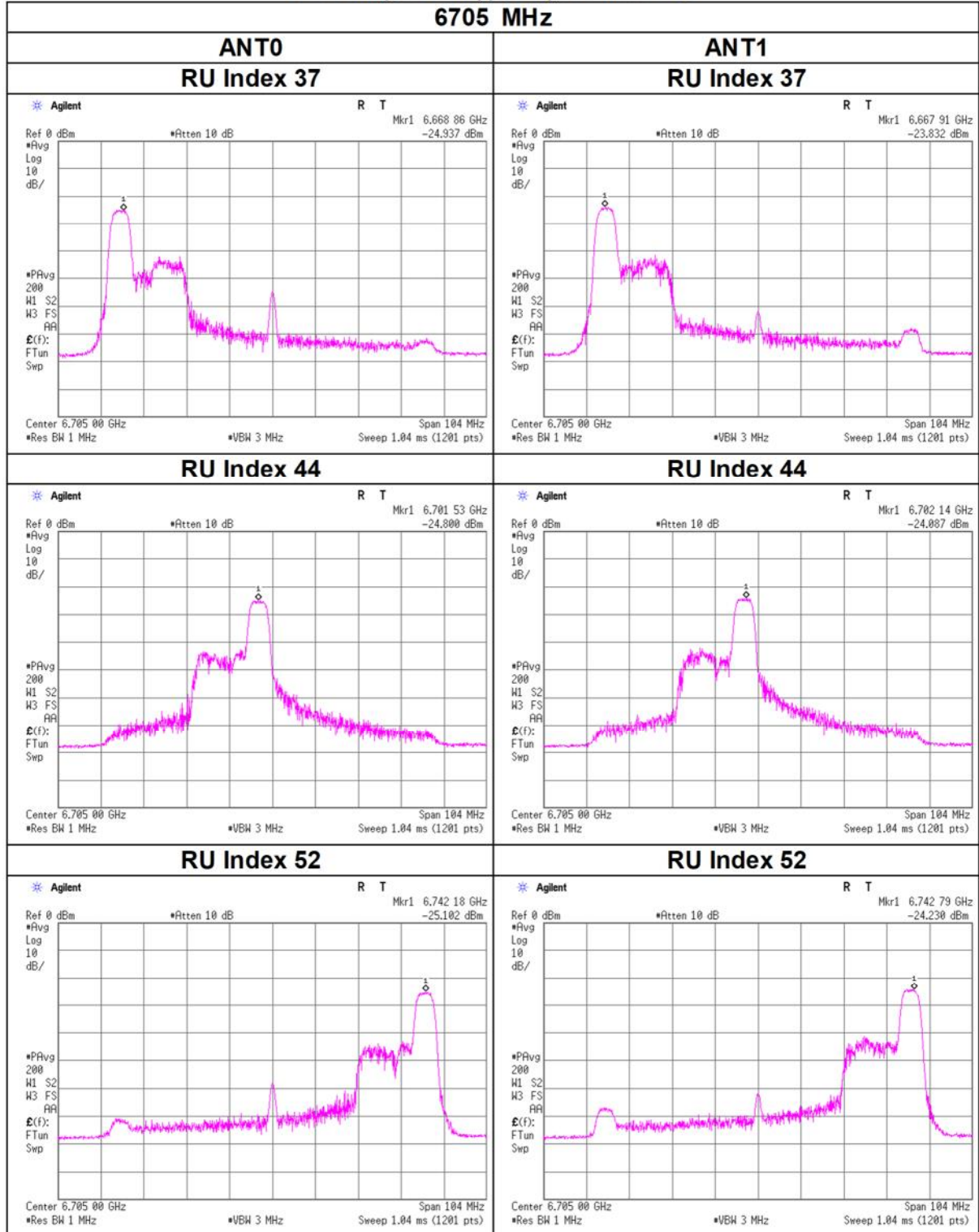
Maximum Power Spectral Density

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



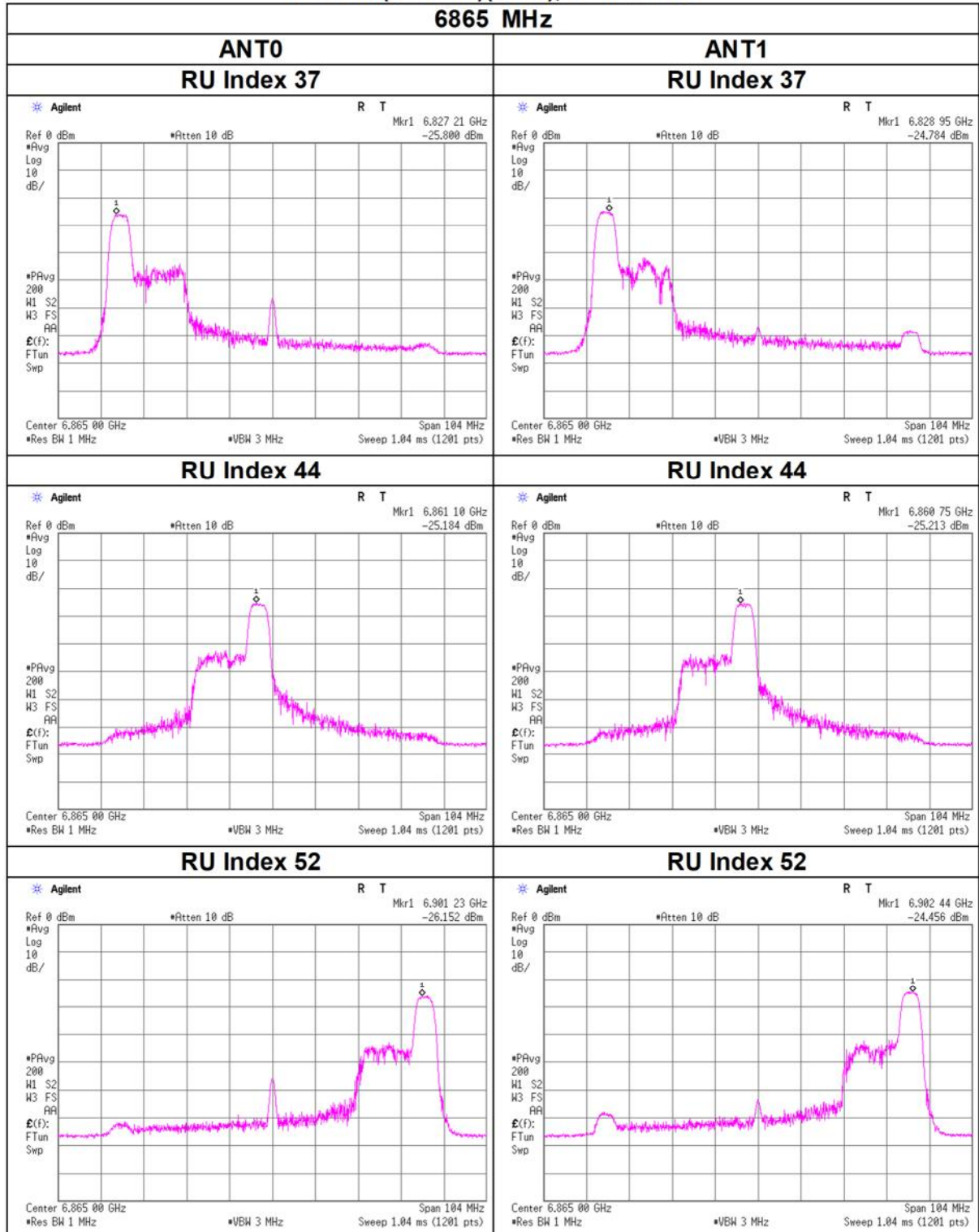
Maximum Power Spectral Density

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



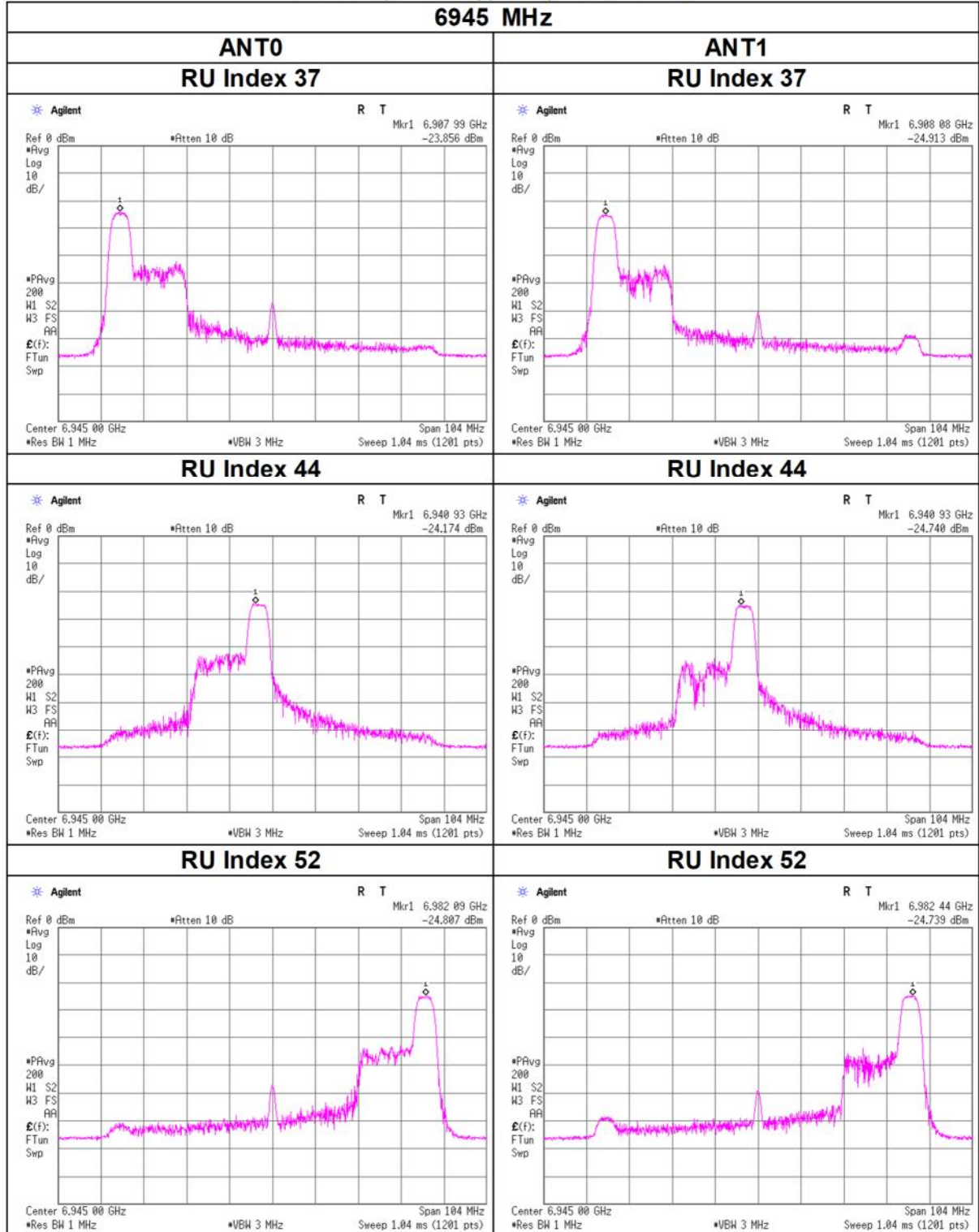
Maximum Power Spectral Density

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



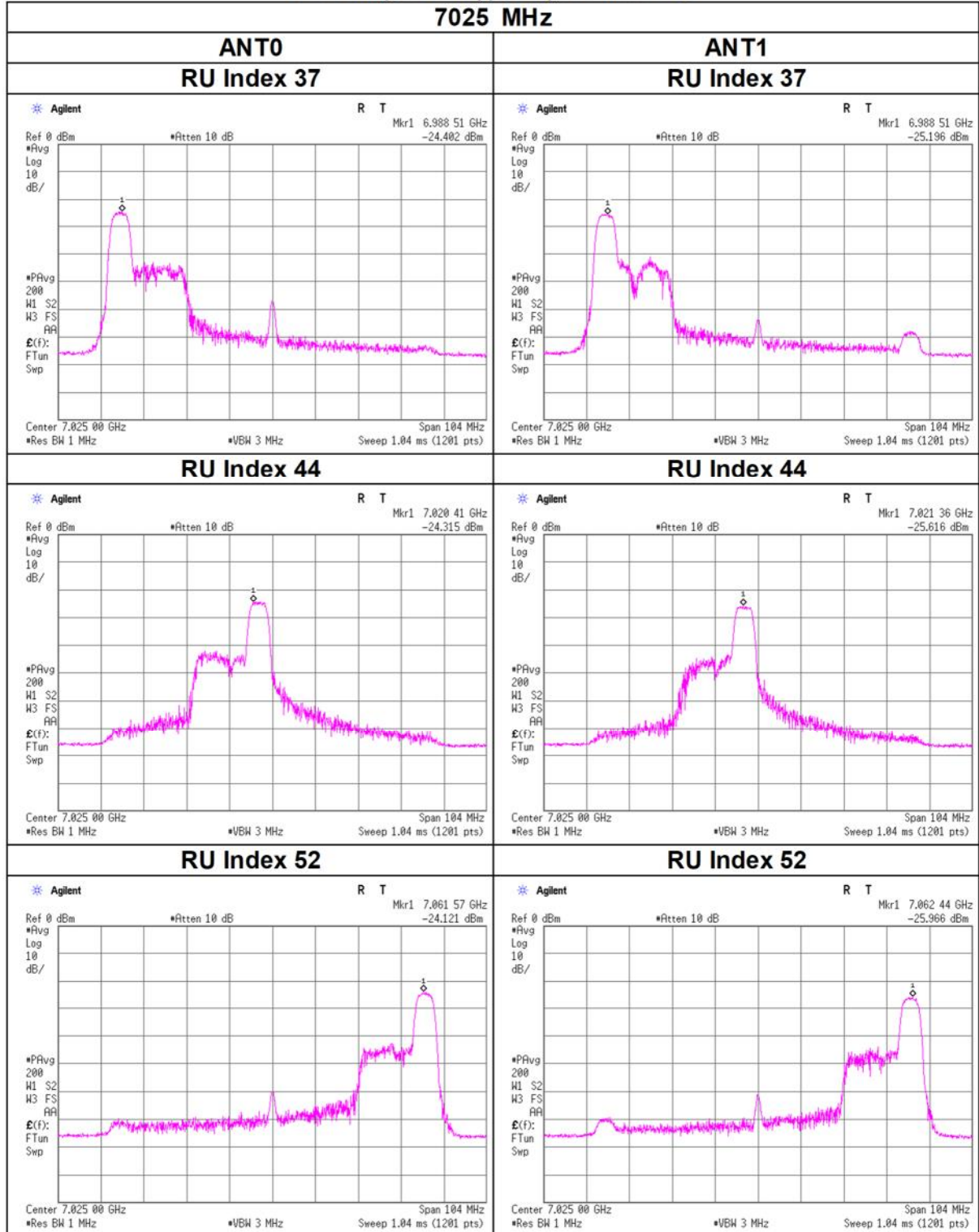
Maximum Power Spectral Density

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



Maximum Power Spectral Density

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



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 24, 2024
Temperature / Humidity 24 deg. C / 41 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-80 (OFDMA) 52-tone RU (CDD)

ANT0 + ANT1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		ANT0	ANT1	Sum				ANT0	ANT1	Sum			
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5985	37	0.04	0.04	0.08	-11.25	-	-	0.10	0.12	0.22	-6.62	-1.00	5.62
	44	0.04	0.04	0.08	-11.13	-	-	0.10	0.12	0.22	-6.50	-1.00	5.50
	52	0.03	0.04	0.07	-11.67	-	-	0.09	0.10	0.20	-7.04	-1.00	6.04
6225	37	0.03	0.04	0.08	-11.24	-	-	0.09	0.12	0.22	-6.61	-1.00	5.61
	44	0.04	0.05	0.08	-10.80	-	-	0.11	0.14	0.24	-6.17	-1.00	5.17
	52	0.04	0.04	0.08	-10.87	-	-	0.11	0.12	0.24	-6.24	-1.00	5.24
6385	37	0.04	0.05	0.09	-10.48	-	-	0.12	0.14	0.26	-5.85	-1.00	4.85
	44	0.04	0.05	0.10	-10.21	-	-	0.12	0.16	0.28	-5.58	-1.00	4.58
	52	0.04	0.05	0.09	-10.66	-	-	0.11	0.14	0.25	-6.03	-1.00	5.03
6465	37	0.03	0.07	0.10	-9.99	-	-	0.10	0.20	0.29	-5.36	-1.00	4.36
	44	0.04	0.07	0.10	-9.86	-	-	0.11	0.19	0.30	-5.23	-1.00	4.23
	52	0.04	0.06	0.09	-10.34	-	-	0.11	0.16	0.27	-5.71	-1.00	4.71

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	ANT0						ANT1					
			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]
5985	37	0.08	-27.87	3.27	9.98	4.63	-14.54	-9.91	-27.46	3.30	10.10	4.63	-13.99	-9.36
	44	0.08	-27.89	3.27	9.98	4.63	-14.56	-9.93	-27.23	3.30	10.10	4.63	-13.75	-9.12
	52	0.08	-28.23	3.27	9.98	4.63	-14.89	-10.26	-27.95	3.30	10.10	4.63	-14.47	-9.84
6225	37	0.08	-28.31	3.34	9.98	4.63	-14.90	-10.27	-27.23	3.36	10.10	4.63	-13.68	-9.05
	44	0.08	-27.79	3.34	9.98	4.63	-14.39	-9.76	-26.85	3.36	10.10	4.63	-13.30	-8.67
	52	0.08	-27.50	3.34	9.98	4.63	-14.09	-9.46	-27.23	3.36	10.10	4.63	-13.68	-9.05
6385	37	0.08	-27.37	3.39	9.99	4.63	-13.92	-9.29	-26.70	3.41	10.11	4.63	-13.10	-8.47
	44	0.08	-27.30	3.39	9.99	4.63	-13.85	-9.22	-26.27	3.41	10.11	4.63	-12.67	-8.04
	52	0.08	-27.56	3.39	9.99	4.63	-14.11	-9.48	-26.87	3.41	10.11	4.63	-13.27	-8.64
6465	37	0.08	-28.29	3.41	9.99	4.63	-14.82	-10.19	-25.35	3.43	10.11	4.63	-11.73	-7.10
	44	0.08	-27.79	3.41	9.99	4.63	-14.31	-9.68	-25.41	3.43	10.11	4.63	-11.79	-7.16
	52	0.08	-27.79	3.41	9.99	4.63	-14.32	-9.69	-26.17	3.43	10.11	4.63	-12.55	-7.92

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 24, 2024
Temperature / Humidity 24 deg. C / 41 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-80 (OFDMA) 52-tone RU (CDD)

ANT0 + ANT1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
[MHz]		ANT0	ANT1	Sum				ANT0	ANT1	Sum			
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
6545	37	0.04	0.05	0.09	-10.40	-	-	0.10	0.11	0.21	-6.78	-1.00	5.78
	44	0.06	0.06	0.11	-9.48	-	-	0.13	0.13	0.26	-5.86	-1.00	4.86
	52	0.05	0.04	0.09	-10.41	-	-	0.11	0.10	0.21	-6.79	-1.00	5.79
6625	37	0.04	0.05	0.08	-10.74	-	-	0.09	0.10	0.19	-7.12	-1.00	6.12
	44	0.04	0.05	0.09	-10.37	-	-	0.10	0.12	0.21	-6.75	-1.00	5.75
	52	0.04	0.05	0.08	-10.73	-	-	0.09	0.11	0.19	-7.11	-1.00	6.11
6705	37	0.03	0.04	0.08	-11.06	-	-	0.08	0.10	0.18	-7.44	-1.00	6.44
	44	0.04	0.04	0.08	-11.04	-	-	0.09	0.09	0.18	-7.42	-1.00	6.42
	52	0.03	0.04	0.08	-11.24	-	-	0.07	0.10	0.17	-7.62	-1.00	6.62
6865	37	0.03	0.04	0.07	-11.49	-	-	0.07	0.09	0.16	-7.87	-1.00	6.87
	44	0.03	0.04	0.07	-11.53	-	-	0.08	0.09	0.16	-7.91	-1.00	6.91
	52	0.03	0.04	0.07	-11.63	-	-	0.07	0.09	0.16	-8.01	-1.00	7.01
6945	37	0.04	0.04	0.09	-10.64	-	-	0.10	0.10	0.20	-7.02	-1.00	6.02
	44	0.04	0.04	0.09	-10.54	-	-	0.10	0.10	0.20	-6.92	-1.00	5.92
	52	0.04	0.04	0.08	-11.13	-	-	0.09	0.09	0.18	-7.51	-1.00	6.51
7025	37	0.04	0.04	0.08	-11.03	-	-	0.09	0.09	0.18	-7.41	-1.00	6.41
	44	0.03	0.04	0.07	-11.47	-	-	0.08	0.08	0.16	-7.85	-1.00	6.85
	52	0.03	0.03	0.06	-12.15	-	-	0.07	0.07	0.14	-8.53	-1.00	7.53

ANT0									ANT1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6545	37	0.08	-26.98	3.43	9.99	3.62	-13.49	-9.87	-26.98	3.45	10.11	3.62	-13.34	-9.72
	44	0.08	-25.94	3.43	9.99	3.62	-12.44	-8.82	-26.19	3.45	10.11	3.62	-12.54	-8.92
	52	0.08	-26.81	3.43	9.99	3.62	-13.31	-9.69	-27.17	3.45	10.11	3.62	-13.53	-9.91
6625	37	0.08	-27.57	3.45	9.99	3.62	-14.05	-10.43	-27.13	3.47	10.11	3.62	-13.46	-9.84
	44	0.08	-27.32	3.45	9.99	3.62	-13.80	-10.18	-26.67	3.47	10.11	3.62	-13.00	-9.38
	52	0.08	-27.73	3.45	9.99	3.62	-14.21	-10.59	-26.97	3.47	10.11	3.62	-13.31	-9.69
6705	37	0.08	-28.26	3.47	9.99	3.62	-14.72	-11.10	-27.20	3.50	10.12	3.62	-13.51	-9.89
	44	0.08	-27.79	3.47	9.99	3.62	-14.24	-10.62	-27.55	3.50	10.12	3.62	-13.86	-10.24
	52	0.08	-28.55	3.47	9.99	3.62	-15.01	-11.39	-27.29	3.50	10.12	3.62	-13.60	-9.98
6865	37	0.08	-28.74	3.52	9.99	3.62	-15.15	-11.53	-27.66	3.54	10.12	3.62	-13.93	-10.31
	44	0.08	-28.40	3.52	9.99	3.62	-14.81	-11.19	-28.02	3.54	10.12	3.62	-14.28	-10.66
	52	0.08	-28.81	3.52	9.99	3.62	-15.22	-11.60	-27.86	3.54	10.12	3.62	-14.12	-10.50
6945	37	0.08	-27.33	3.54	9.99	3.62	-13.72	-10.10	-27.35	3.56	10.12	3.62	-13.59	-9.97
	44	0.08	-27.25	3.54	9.99	3.62	-13.63	-10.01	-27.23	3.56	10.12	3.62	-13.47	-9.85
	52	0.08	-27.70	3.54	9.99	3.62	-14.09	-10.47	-27.95	3.56	10.12	3.62	-14.19	-10.57
7025	37	0.08	-27.60	3.56	9.99	3.62	-13.96	-10.34	-27.91	3.58	10.12	3.62	-14.12	-10.50
	44	0.08	-28.27	3.56	9.99	3.62	-14.64	-11.02	-28.12	3.58	10.12	3.62	-14.33	-10.71
	52	0.08	-28.63	3.56	9.99	3.62	-15.00	-11.38	-29.12	3.58	10.12	3.62	-15.34	-11.72

Sample Calculation:

PSD: Power Spectral Density

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

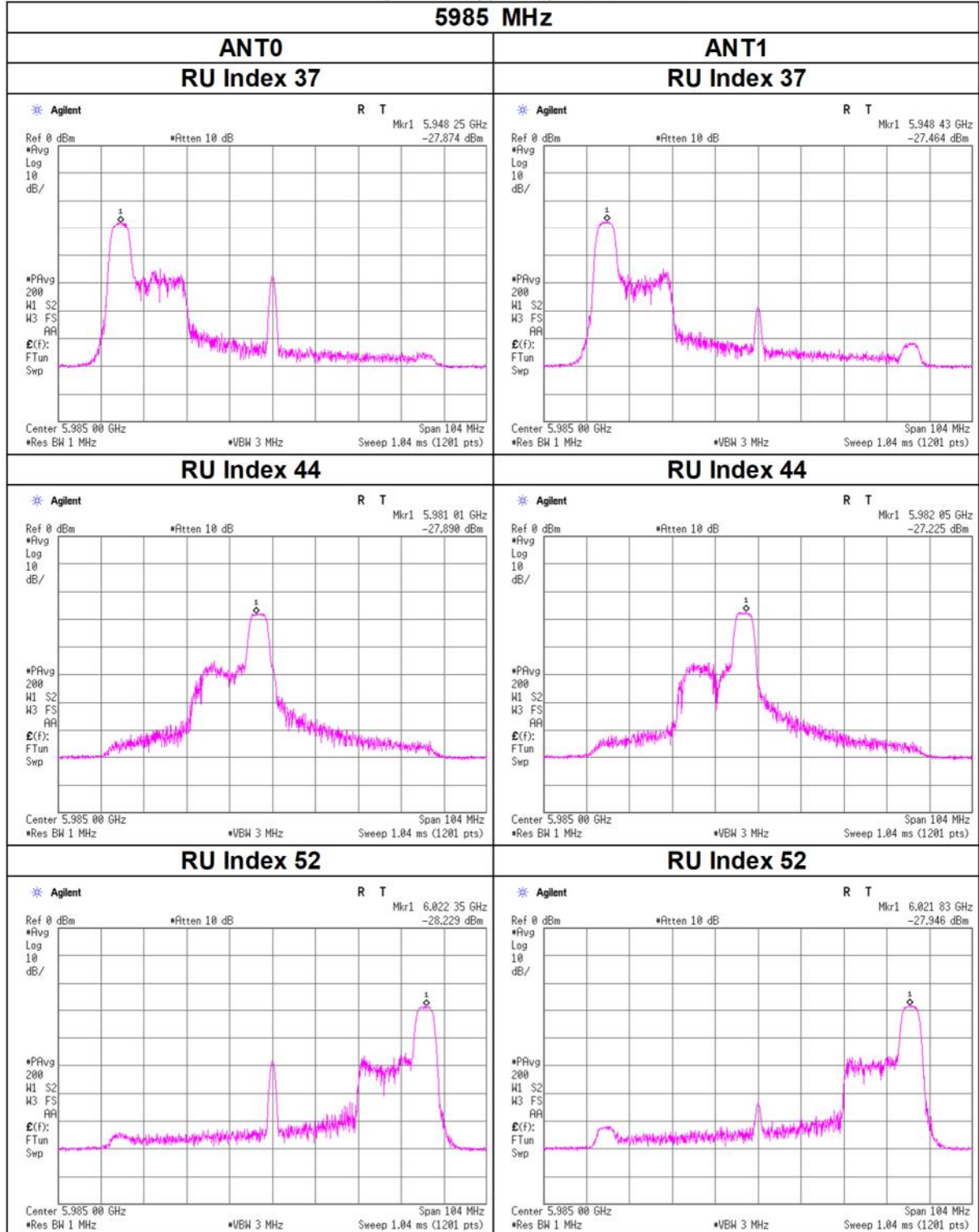
PSD (e.i.r.p.) Result = PSD (Conducted) Result + Directional Gain

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

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

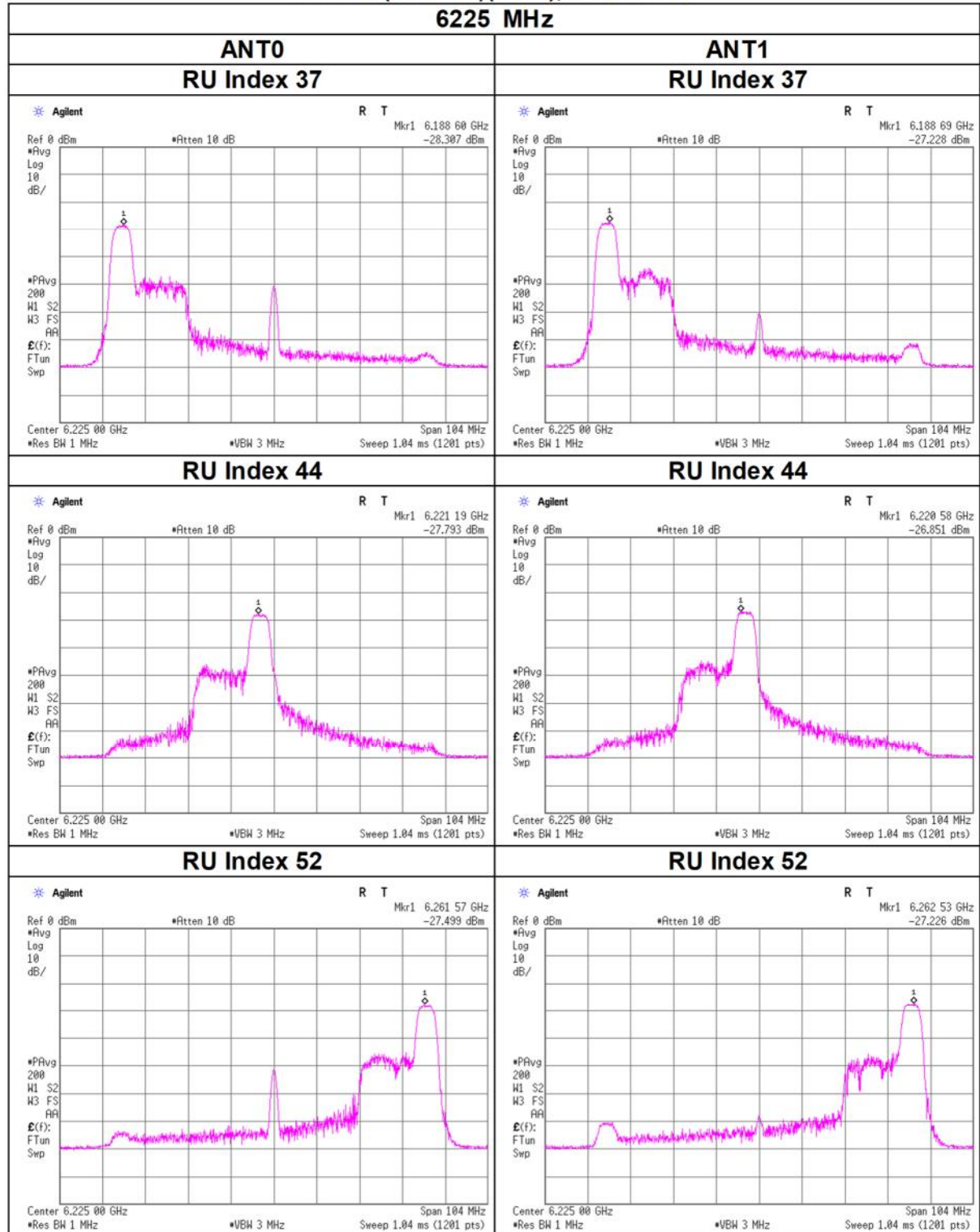
Maximum Power Spectral Density

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



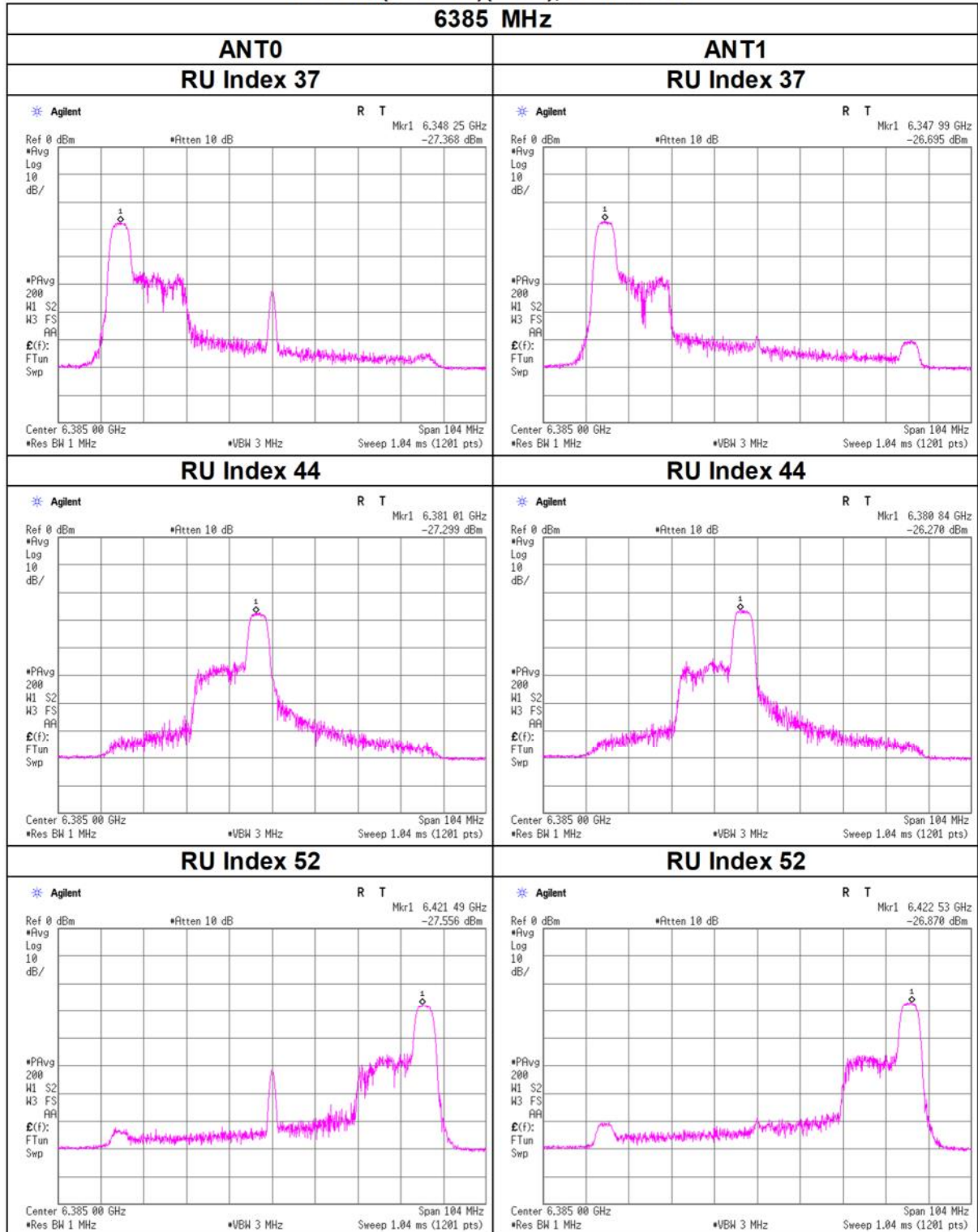
Maximum Power Spectral Density

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



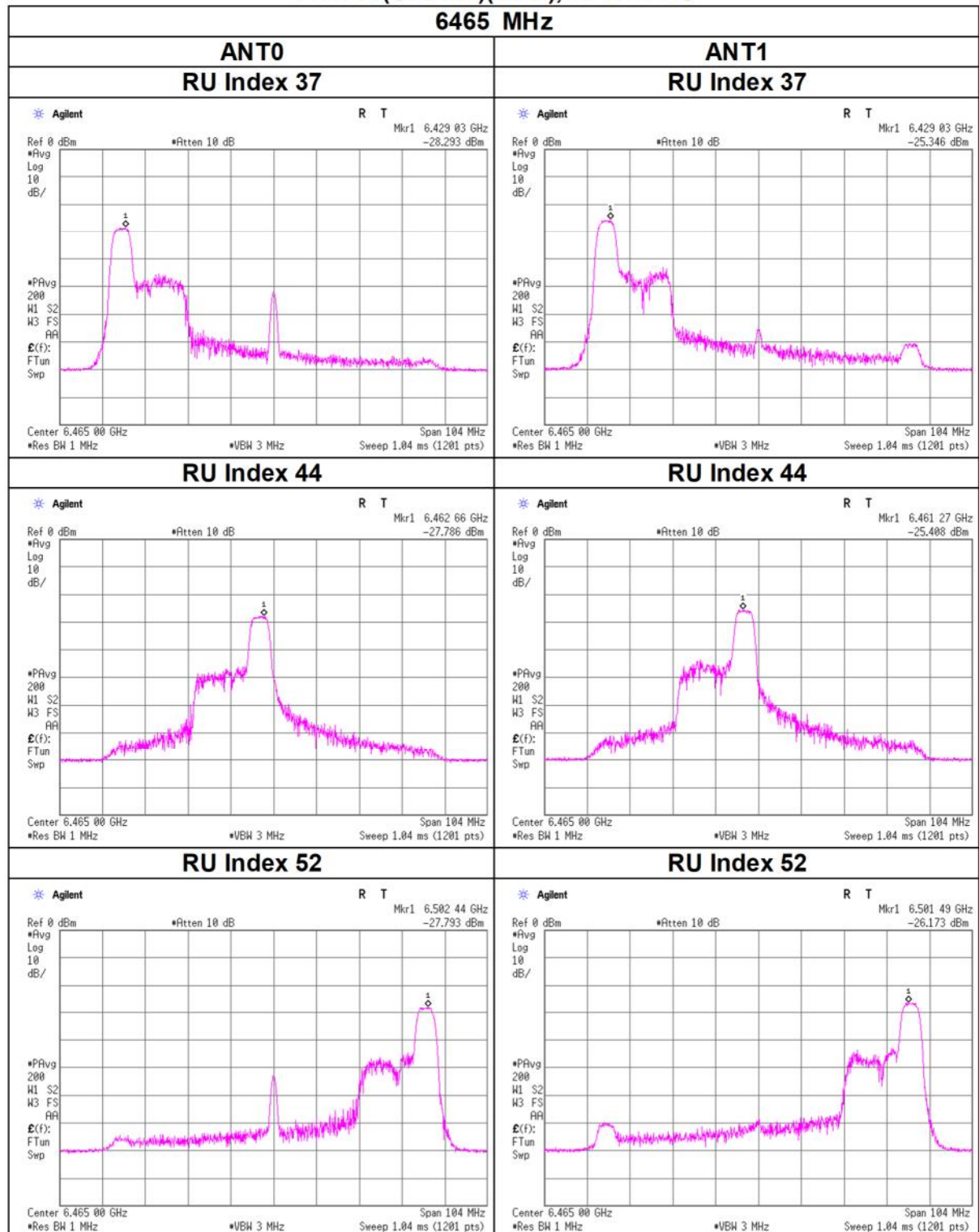
Maximum Power Spectral Density

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



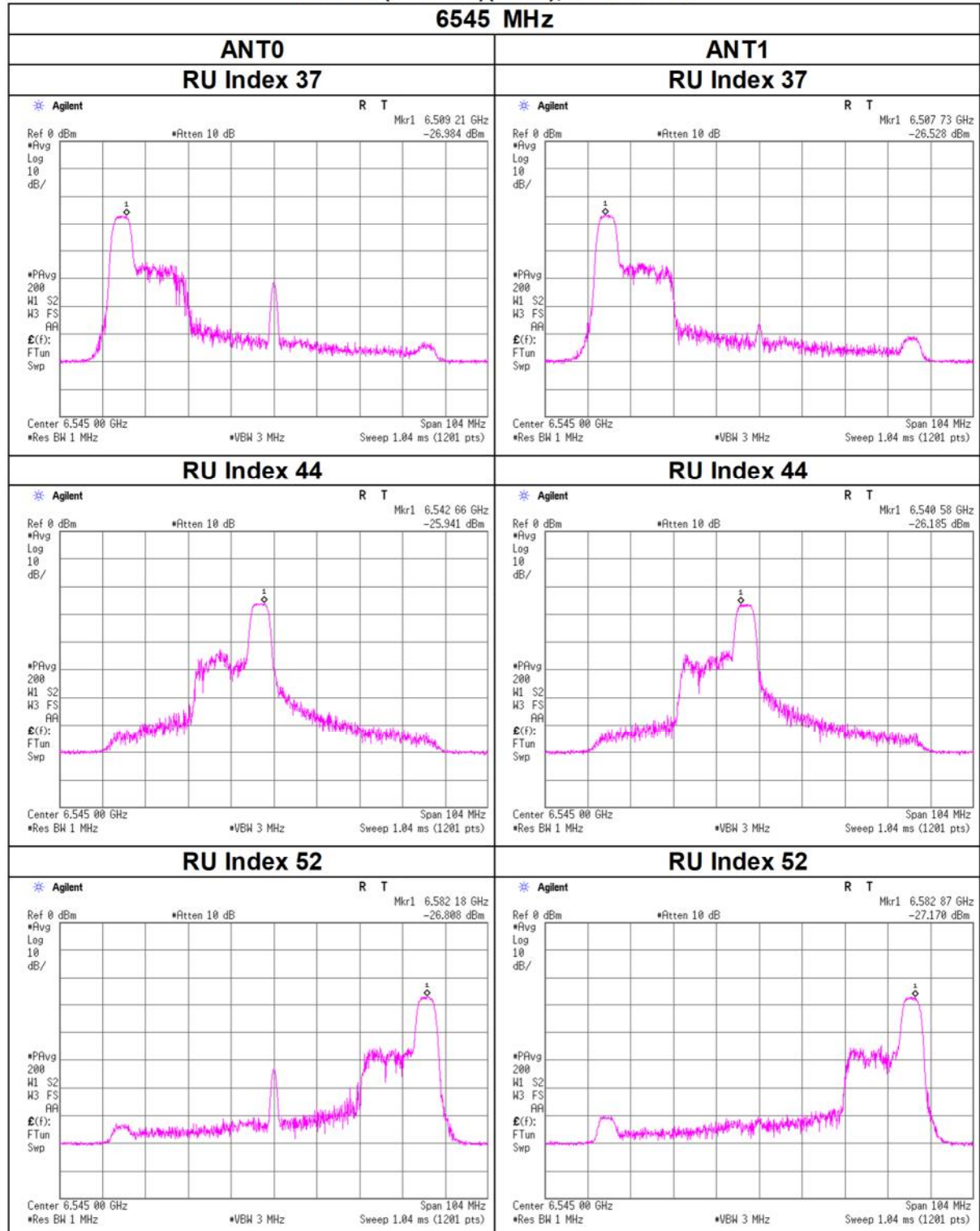
Maximum Power Spectral Density

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



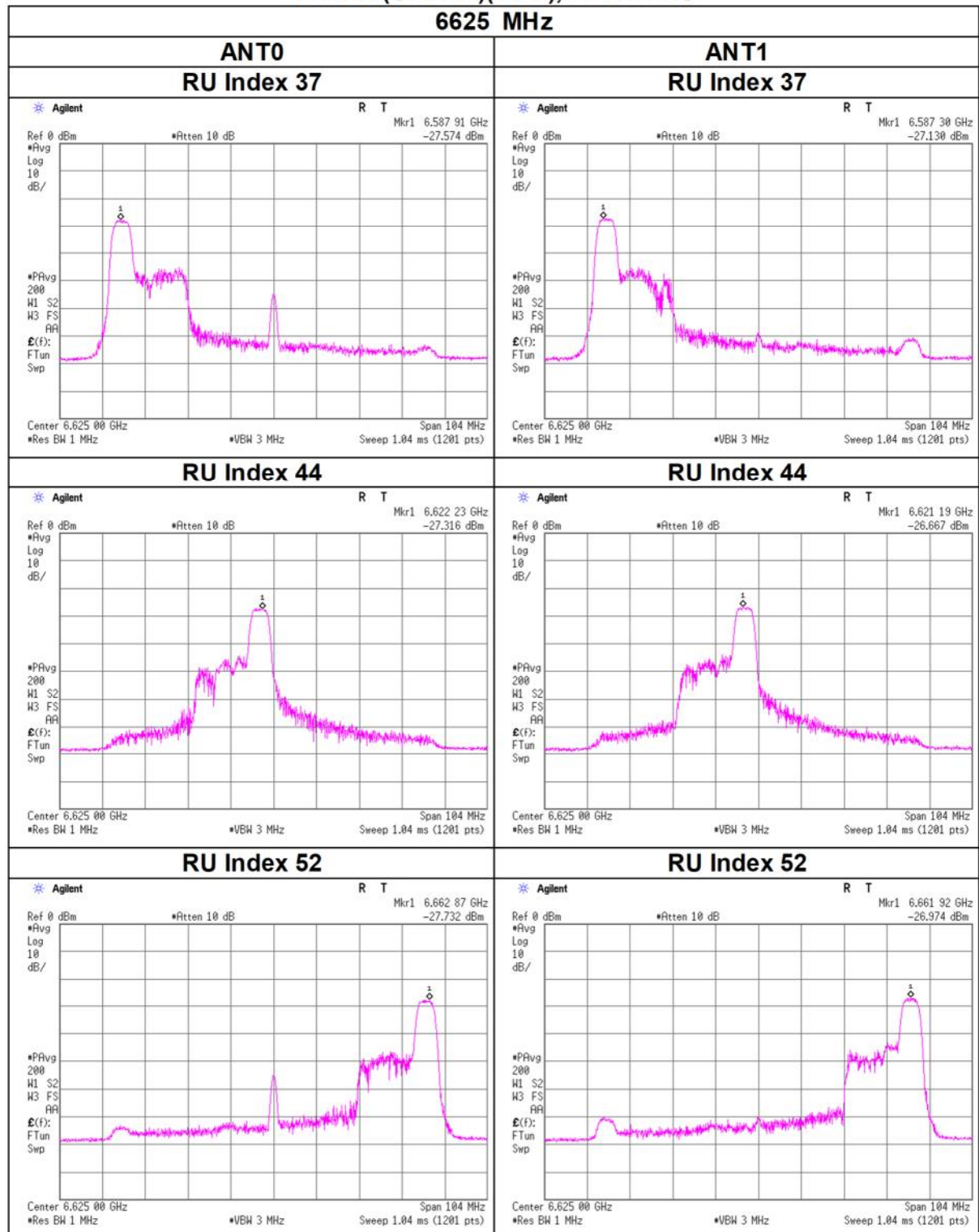
Maximum Power Spectral Density

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



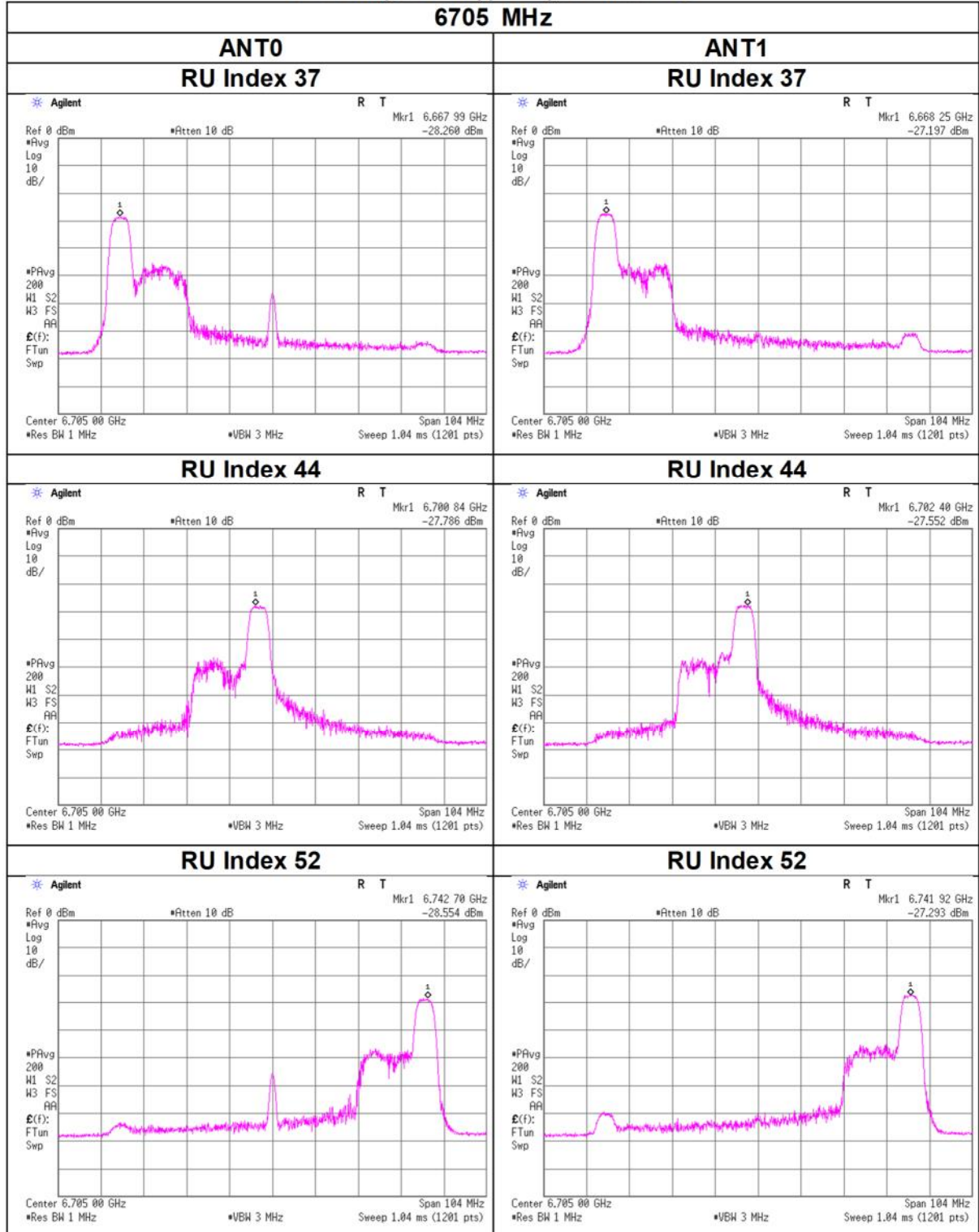
Maximum Power Spectral Density

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



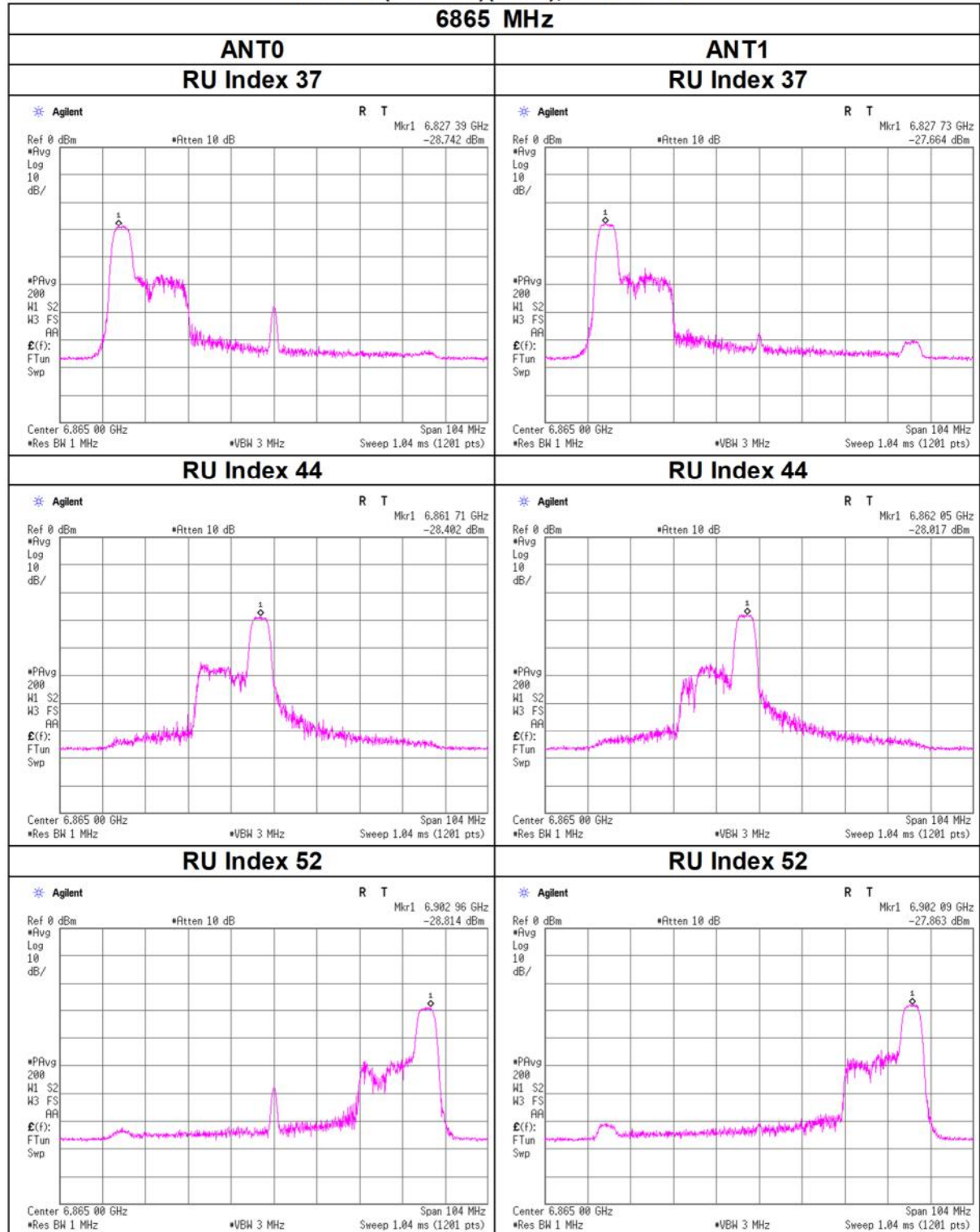
Maximum Power Spectral Density

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



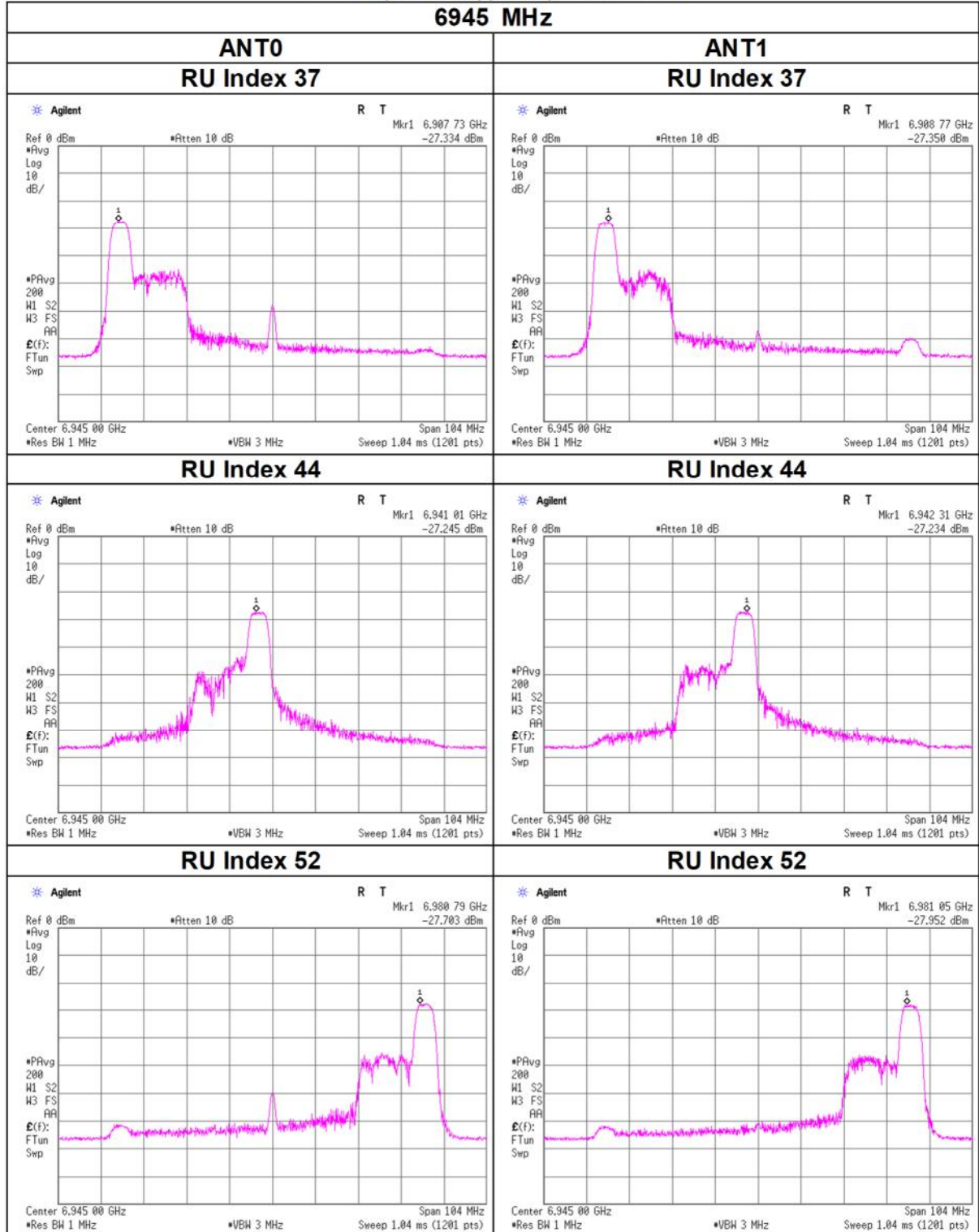
Maximum Power Spectral Density

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



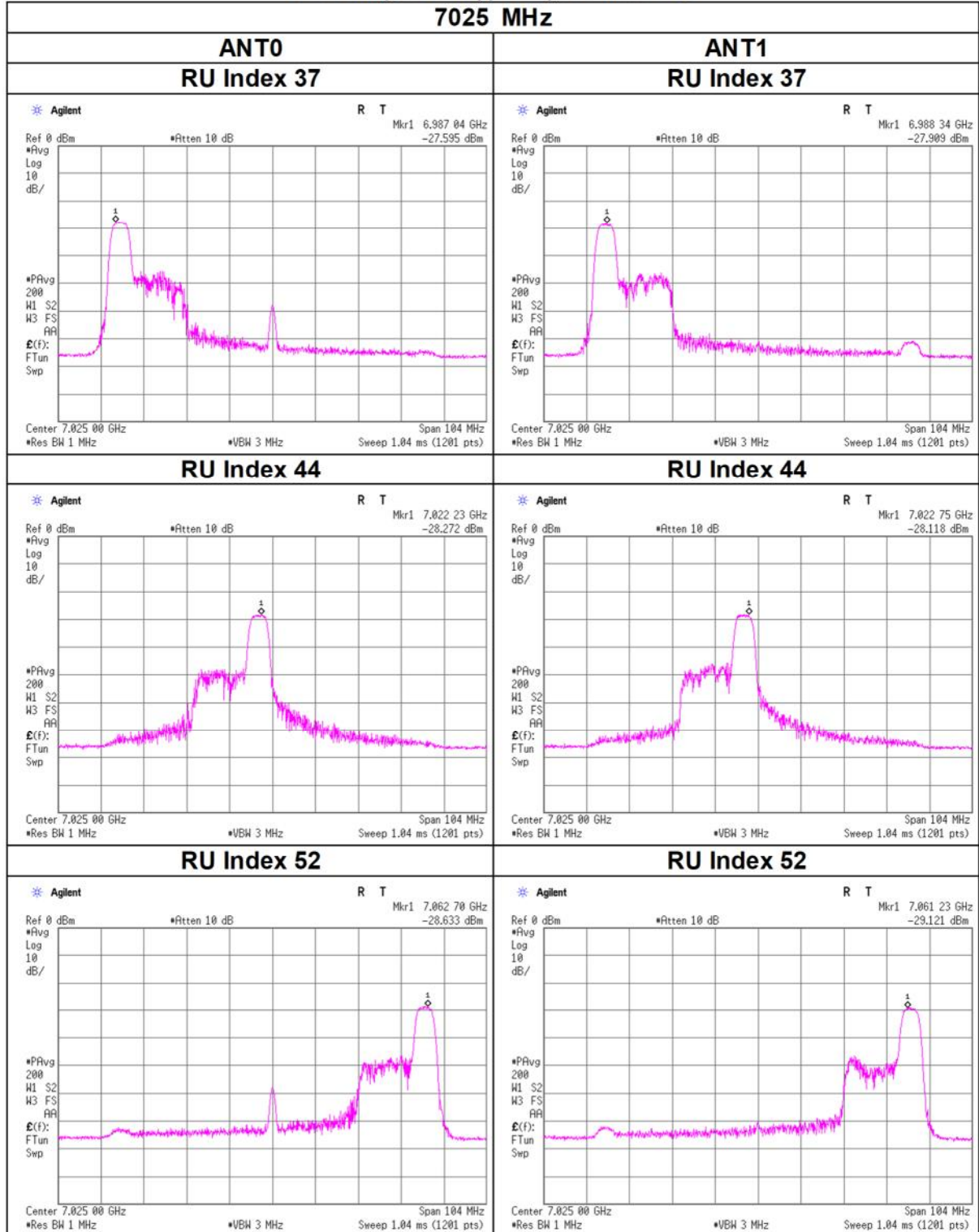
Maximum Power Spectral Density

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



Maximum Power Spectral Density

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



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 25, 2024
Temperature / Humidity 24 deg. C / 35 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-80 (OFDMA) 106-tone RU (SDM)

ANT0 + ANT1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		ANT0	ANT1	Sum				ANT0	ANT1	Sum			
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5985	53	0.07	0.08	0.15	-8.31	-	-	0.10	0.11	0.21	-6.70	-1.00	5.70
	56	0.07	0.08	0.15	-8.10	-	-	0.10	0.12	0.22	-6.49	-1.00	5.49
	60	0.07	0.07	0.15	-8.37	-	-	0.10	0.11	0.21	-6.76	-1.00	5.76
6225	53	0.07	0.08	0.16	-8.00	-	-	0.11	0.12	0.23	-6.39	-1.00	5.39
	56	0.09	0.09	0.17	-7.59	-	-	0.12	0.13	0.25	-5.98	-1.00	4.98
	60	0.07	0.08	0.15	-8.27	-	-	0.10	0.11	0.22	-6.66	-1.00	5.66
6385	53	0.08	0.09	0.17	-7.66	-	-	0.12	0.13	0.25	-6.05	-1.00	5.05
	56	0.09	0.10	0.19	-7.27	-	-	0.13	0.15	0.27	-5.66	-1.00	4.66
	60	0.08	0.09	0.17	-7.78	-	-	0.11	0.13	0.24	-6.17	-1.00	5.17
6465	53	0.08	0.12	0.20	-6.97	-	-	0.11	0.18	0.29	-5.36	-1.00	4.36
	56	0.09	0.12	0.21	-6.86	-	-	0.13	0.17	0.30	-5.25	-1.00	4.25
	60	0.07	0.12	0.19	-7.12	-	-	0.10	0.18	0.28	-5.51	-1.00	4.51

ANT0									ANT1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Antenn Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenn Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5985	53	0.08	-24.96	3.27	9.98	1.61	-11.62	-10.01	-24.51	3.30	10.10	1.61	-11.03	-9.42
	56	0.08	-24.85	3.27	9.98	1.61	-11.51	-9.90	-24.22	3.30	10.10	1.61	-10.74	-9.13
	60	0.08	-24.75	3.27	9.98	1.61	-11.42	-9.81	-24.82	3.30	10.10	1.61	-11.34	-9.73
6225	53	0.08	-24.68	3.34	9.98	1.61	-11.28	-9.67	-24.30	3.36	10.10	1.61	-10.76	-9.15
	56	0.08	-24.10	3.34	9.98	1.61	-10.70	-9.09	-24.06	3.36	10.10	1.61	-10.51	-8.90
	60	0.08	-24.87	3.34	9.98	1.61	-11.46	-9.85	-24.65	3.36	10.10	1.61	-11.10	-9.49
6385	53	0.08	-24.26	3.39	9.99	1.61	-10.81	-9.20	-24.13	3.41	10.11	1.61	-10.54	-8.93
	56	0.08	-24.07	3.39	9.99	1.61	-10.62	-9.01	-23.56	3.41	10.11	1.61	-9.96	-8.35
	60	0.08	-24.58	3.39	9.99	1.61	-11.13	-9.52	-24.06	3.41	10.11	1.61	-10.47	-8.86
6465	53	0.08	-24.61	3.41	9.99	1.61	-11.13	-9.52	-22.69	3.43	10.11	1.61	-9.07	-7.46
	56	0.08	-23.96	3.41	9.99	1.61	-10.49	-8.88	-22.95	3.43	10.11	1.61	-9.32	-7.71
	60	0.08	-24.96	3.41	9.99	1.61	-11.48	-9.87	-22.72	3.43	10.11	1.61	-9.10	-7.49

Sample Calculation:

PSD: Power Spectral Density

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 25, 2024
Temperature / Humidity 24 deg. C / 35 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-80 (OFDMA) 106-tone RU (SDM)

ANT0 + ANT1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		ANT0 [mW/MHz]	ANT1 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	ANT0 [mW/MHz]	ANT1 [mW/MHz]	Sum [mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
6545	53	0.09	0.10	0.19	-7.16	-	-	0.11	0.11	0.22	-6.56	-1.00	5.56
	56	0.10	0.11	0.21	-6.70	-	-	0.12	0.13	0.25	-6.10	-1.00	5.10
	60	0.09	0.10	0.19	-7.23	-	-	0.11	0.11	0.22	-6.63	-1.00	5.63
6625	53	0.08	0.10	0.18	-7.49	-	-	0.10	0.11	0.20	-6.89	-1.00	5.89
	56	0.10	0.10	0.20	-6.99	-	-	0.11	0.12	0.23	-6.39	-1.00	5.39
	60	0.09	0.10	0.19	-7.29	-	-	0.11	0.11	0.21	-6.69	-1.00	5.69
6705	53	0.08	0.09	0.17	-7.68	-	-	0.10	0.10	0.20	-7.08	-1.00	6.08
	56	0.08	0.09	0.17	-7.74	-	-	0.09	0.11	0.19	-7.14	-1.00	6.14
	60	0.08	0.08	0.16	-7.93	-	-	0.09	0.10	0.18	-7.33	-1.00	6.33
6865	53	0.07	0.09	0.16	-7.90	-	-	0.08	0.10	0.19	-7.30	-1.00	6.30
	56	0.07	0.08	0.15	-8.17	-	-	0.08	0.09	0.17	-7.57	-1.00	6.57
	60	0.07	0.08	0.15	-8.25	-	-	0.08	0.09	0.17	-7.65	-1.00	6.65
6945	53	0.09	0.08	0.18	-7.56	-	-	0.11	0.09	0.20	-6.96	-1.00	5.96
	56	0.10	0.09	0.19	-7.21	-	-	0.11	0.10	0.22	-6.61	-1.00	5.61
	60	0.08	0.08	0.17	-7.81	-	-	0.10	0.09	0.19	-7.21	-1.00	6.21
7025	53	0.07	0.07	0.14	-8.51	-	-	0.08	0.08	0.16	-7.91	-1.00	6.91
	56	0.07	0.07	0.14	-8.47	-	-	0.08	0.08	0.16	-7.87	-1.00	6.87
	60	0.07	0.06	0.13	-8.79	-	-	0.08	0.07	0.15	-8.19	-1.00	7.19

			ANT0						ANT1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6545	53	0.08	-23.76	3.43	9.99	0.60	-10.26	-9.66	-23.72	3.45	10.11	0.60	-10.07	-9.47
	56	0.08	-23.36	3.43	9.99	0.60	-9.86	-9.26	-23.21	3.45	10.11	0.60	-9.56	-8.96
	60	0.08	-23.84	3.43	9.99	0.60	-10.34	-9.74	-23.78	3.45	10.11	0.60	-10.13	-9.53
6625	53	0.08	-24.34	3.45	9.99	0.60	-10.82	-10.22	-23.87	3.47	10.11	0.60	-10.20	-9.60
	56	0.08	-23.61	3.45	9.99	0.60	-10.08	-9.48	-23.58	3.47	10.11	0.60	-9.91	-9.31
	60	0.08	-23.89	3.45	9.99	0.60	-10.37	-9.77	-23.89	3.47	10.11	0.60	-10.22	-9.62
6705	53	0.08	-24.33	3.47	9.99	0.60	-10.78	-10.18	-24.29	3.50	10.12	0.60	-10.60	-10.00
	56	0.08	-24.70	3.47	9.99	0.60	-11.16	-10.56	-24.07	3.50	10.12	0.60	-10.37	-9.77
	60	0.08	-24.71	3.47	9.99	0.60	-11.17	-10.57	-24.42	3.50	10.12	0.60	-10.73	-10.13
6865	53	0.08	-24.94	3.52	9.99	0.60	-11.35	-10.75	-24.25	3.54	10.12	0.60	-10.51	-9.91
	56	0.08	-25.11	3.52	9.99	0.60	-11.52	-10.92	-24.61	3.54	10.12	0.60	-10.87	-10.27
	60	0.08	-25.25	3.52	9.99	0.60	-11.66	-11.06	-24.63	3.54	10.12	0.60	-10.89	-10.29
6945	53	0.08	-23.88	3.54	9.99	0.60	-10.27	-9.67	-24.66	3.56	10.12	0.60	-10.89	-10.29
	56	0.08	-23.62	3.54	9.99	0.60	-10.01	-9.41	-24.21	3.56	10.12	0.60	-10.44	-9.84
	60	0.08	-24.38	3.54	9.99	0.60	-10.77	-10.17	-24.64	3.56	10.12	0.60	-10.88	-10.28
7025	53	0.08	-25.03	3.56	9.99	0.60	-11.40	-10.80	-25.43	3.58	10.12	0.60	-11.64	-11.04
	56	0.08	-25.21	3.56	9.99	0.60	-11.57	-10.97	-25.18	3.58	10.12	0.60	-11.39	-10.79
	60	0.08	-25.10	3.56	9.99	0.60	-11.47	-10.87	-25.94	3.58	10.12	0.60	-12.15	-11.55

Sample Calculation:

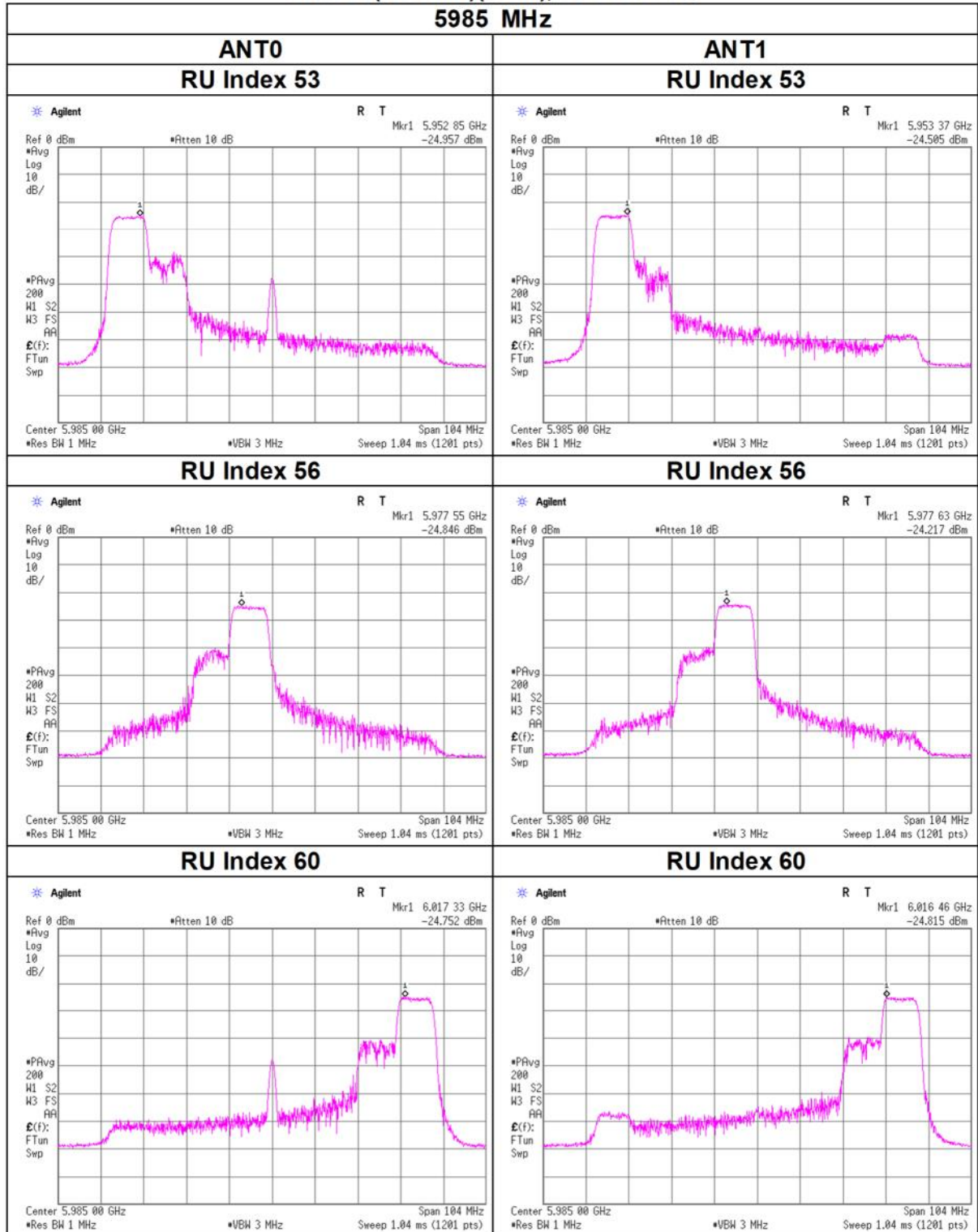
PSD: Power Spectral Density

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

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

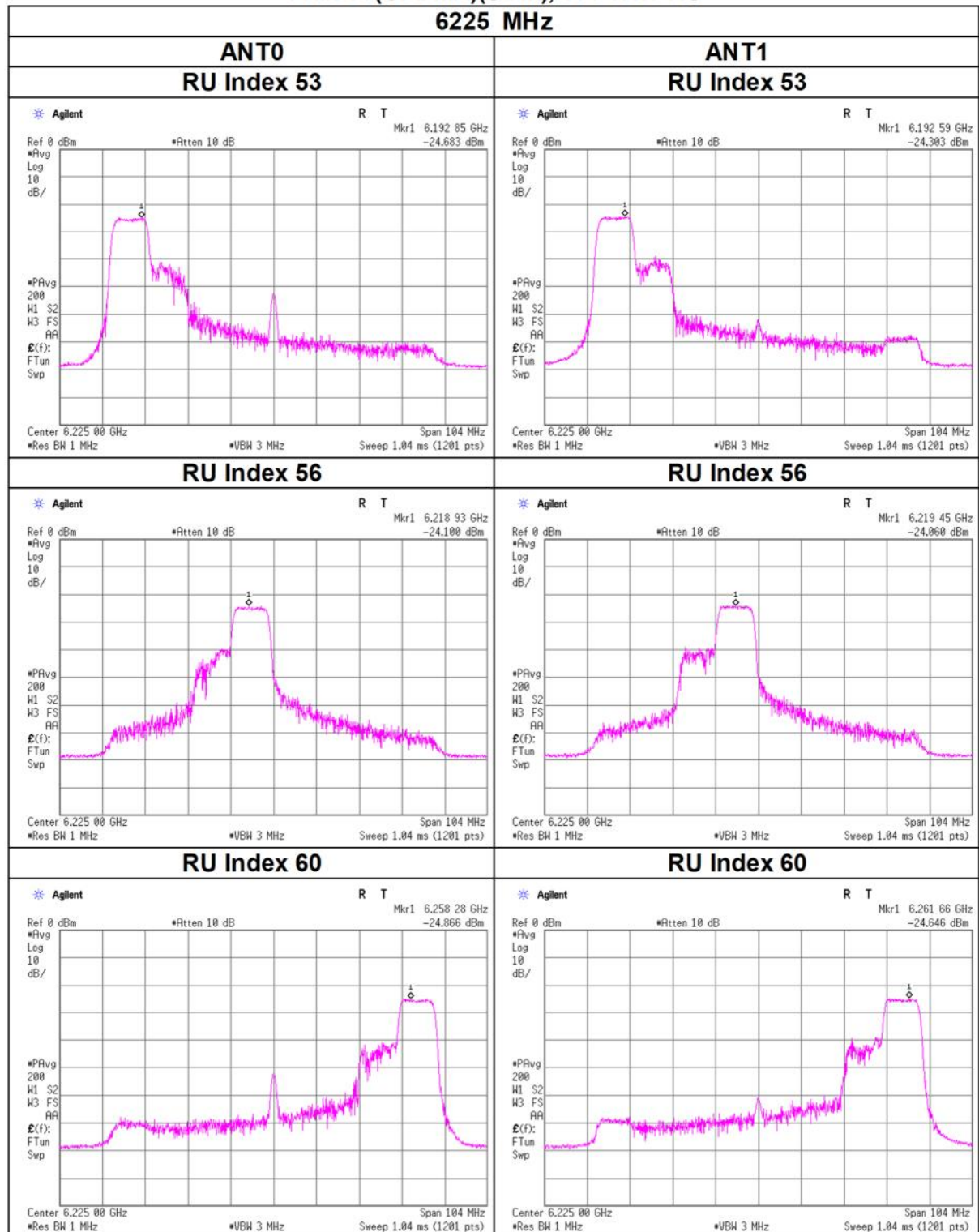
Maximum Power Spectral Density

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



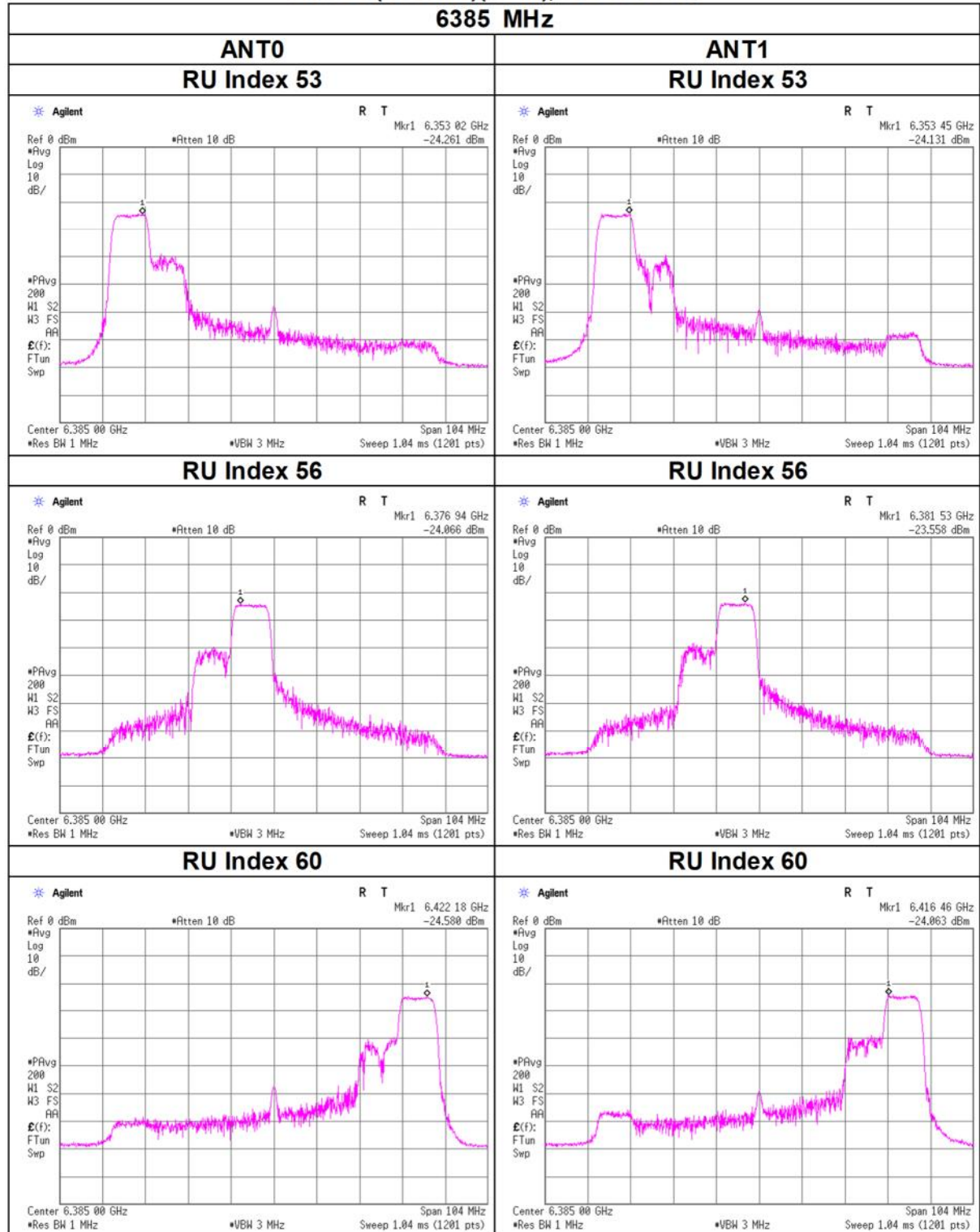
Maximum Power Spectral Density

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



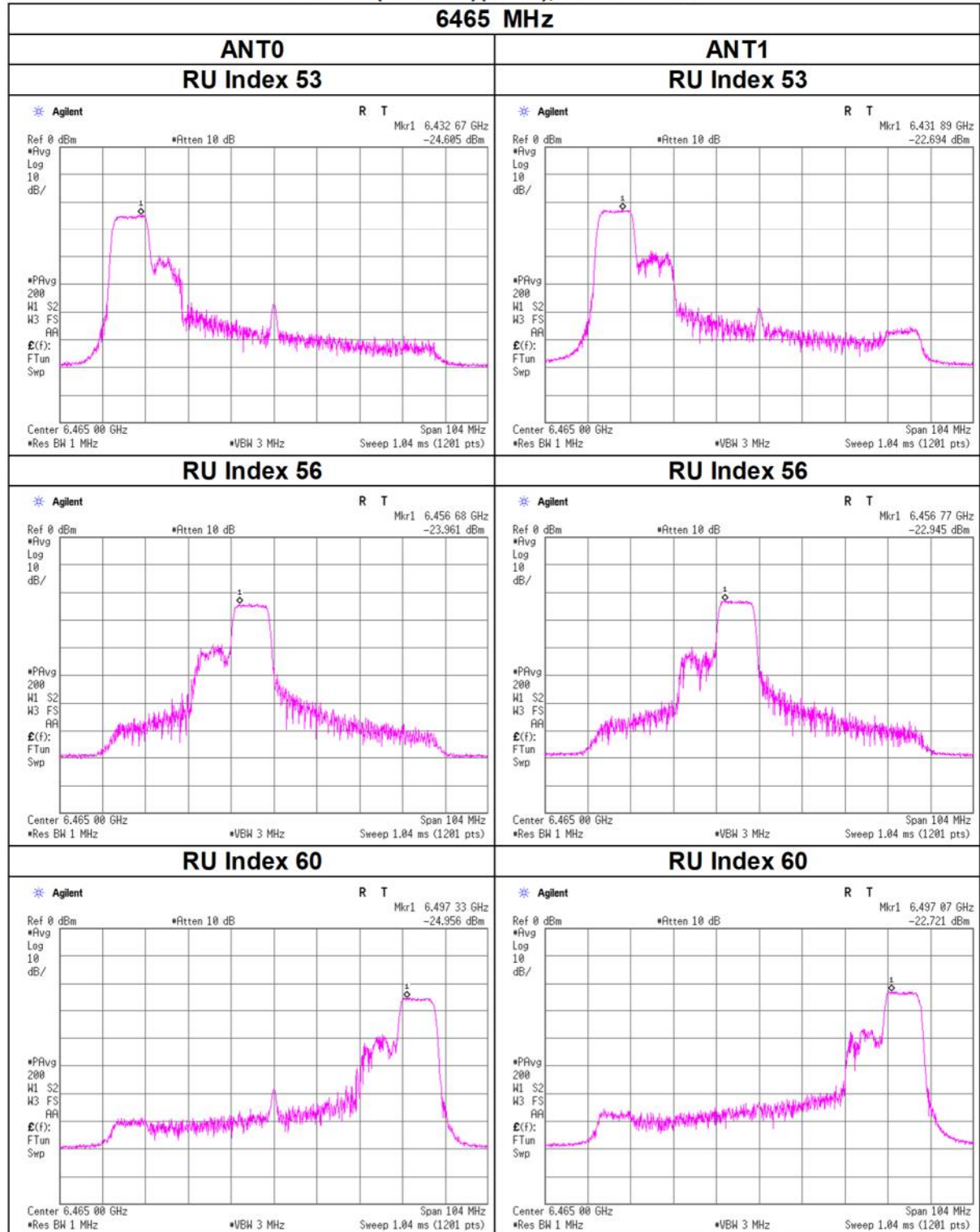
Maximum Power Spectral Density

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



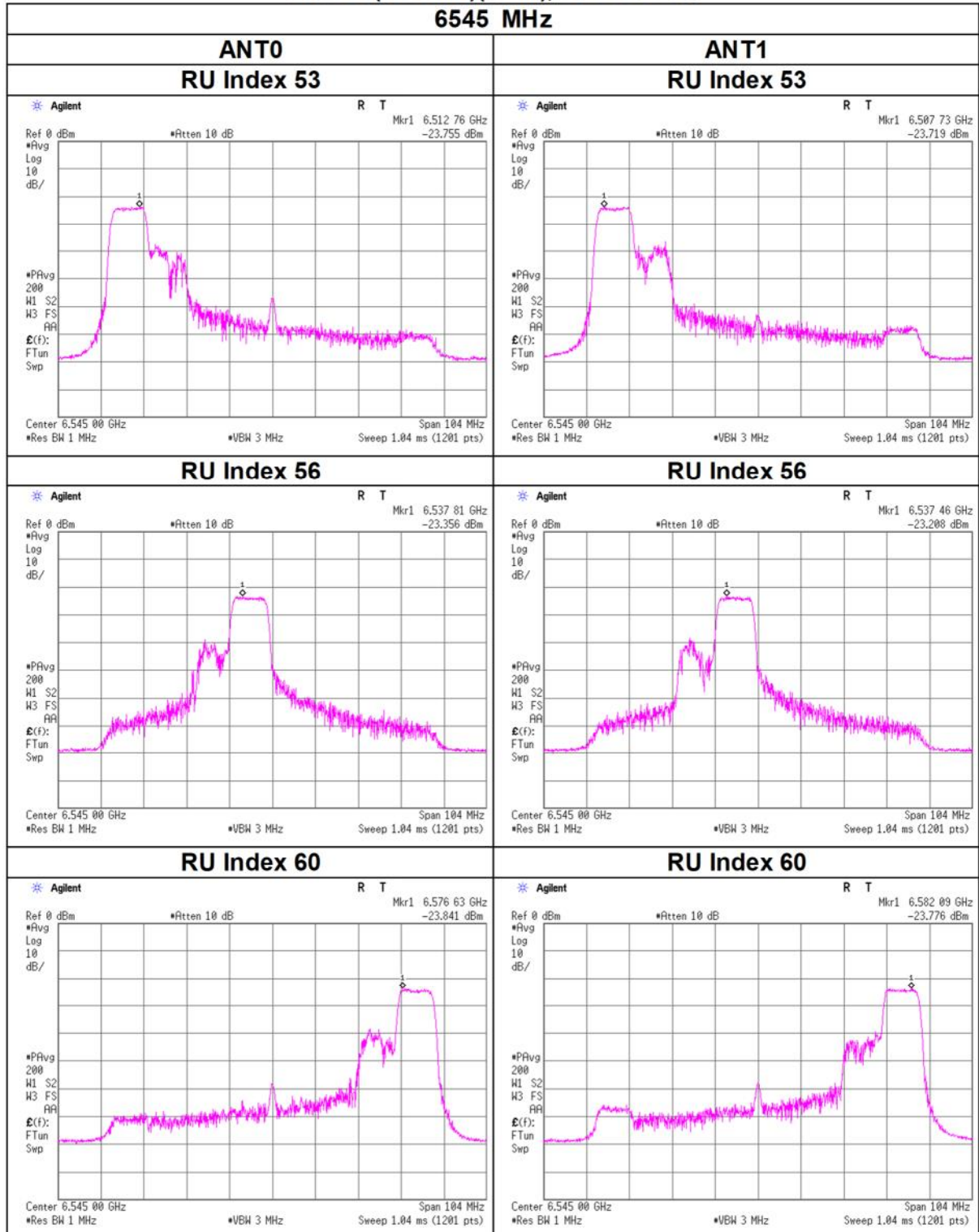
Maximum Power Spectral Density

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



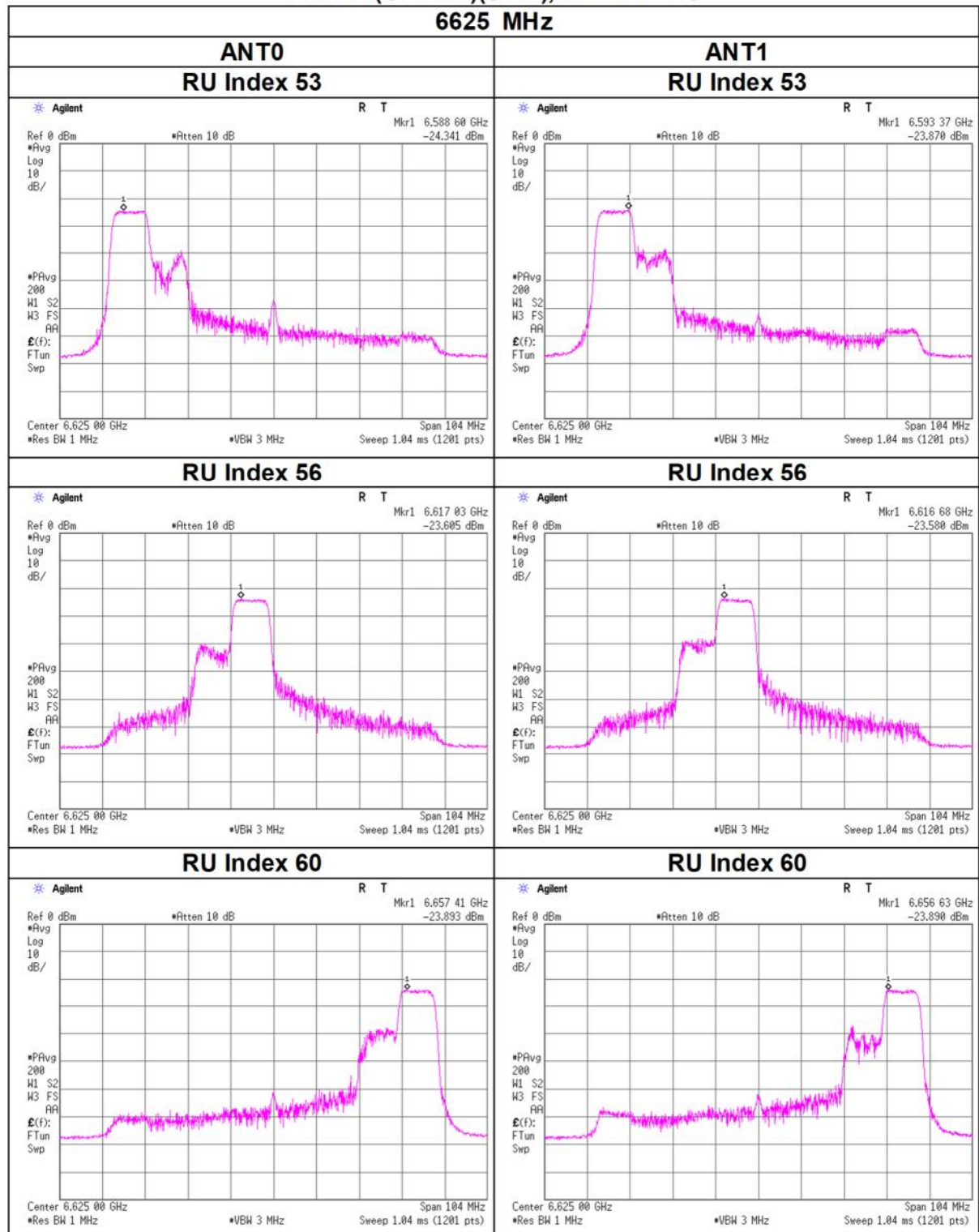
Maximum Power Spectral Density

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



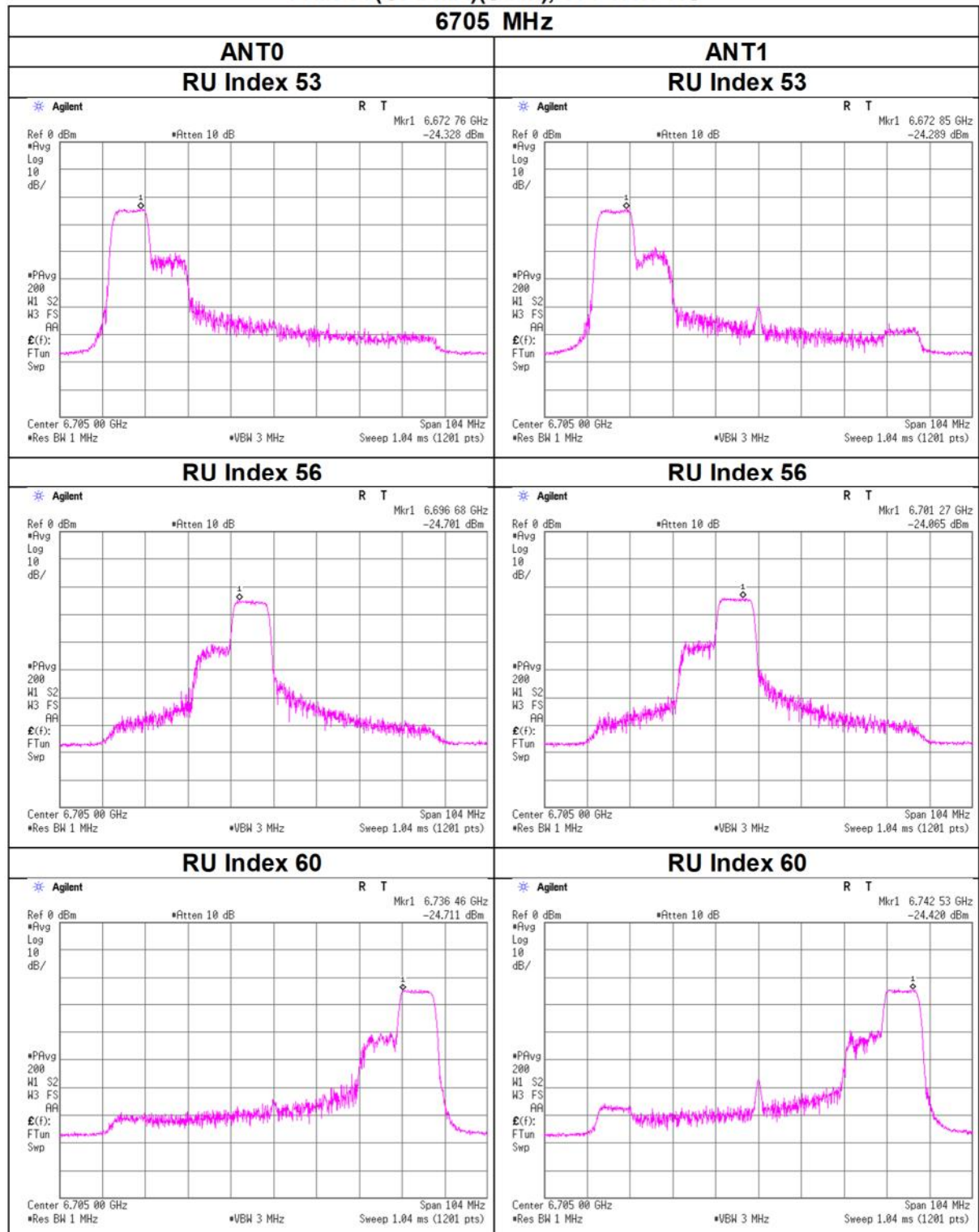
Maximum Power Spectral Density

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



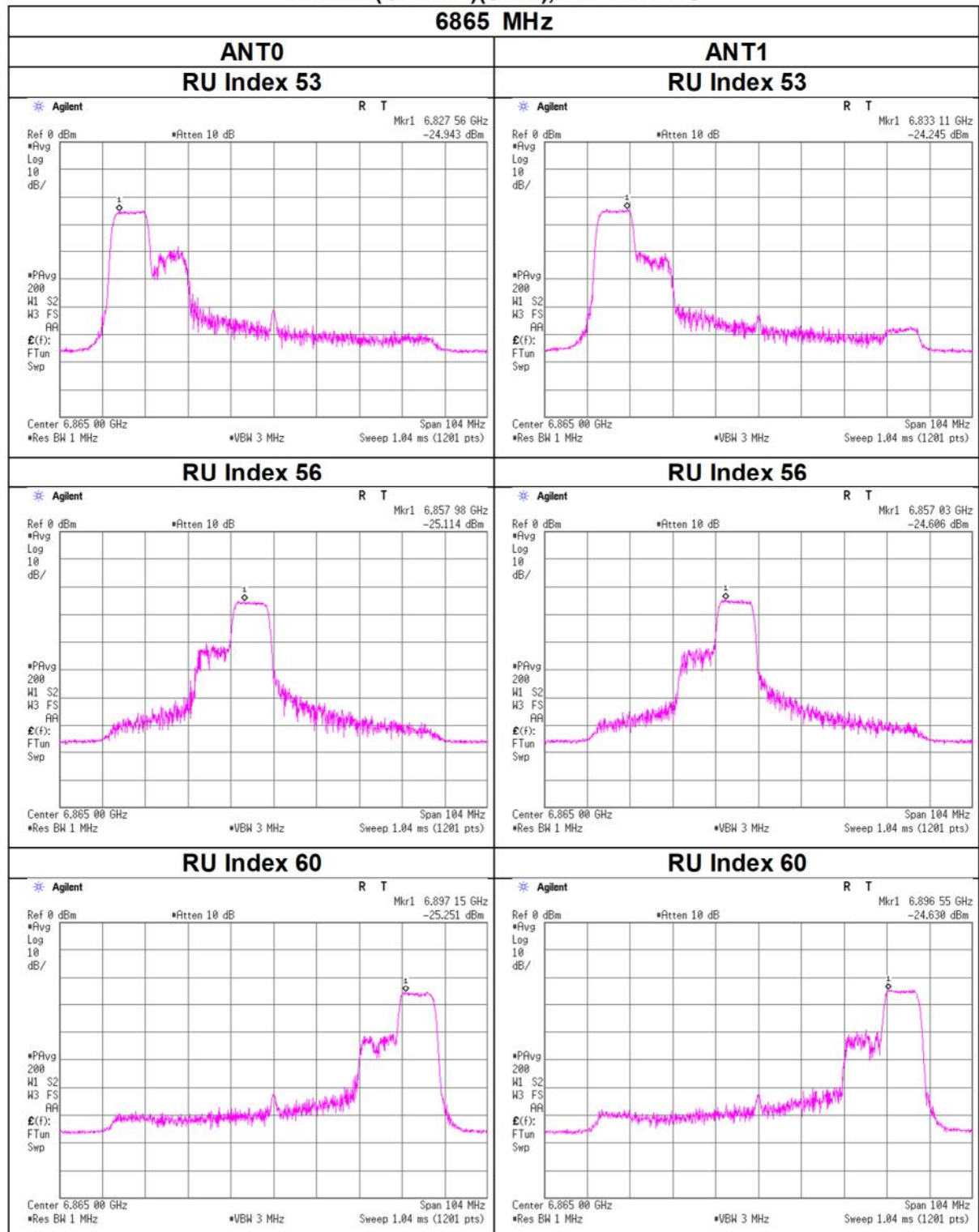
Maximum Power Spectral Density

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



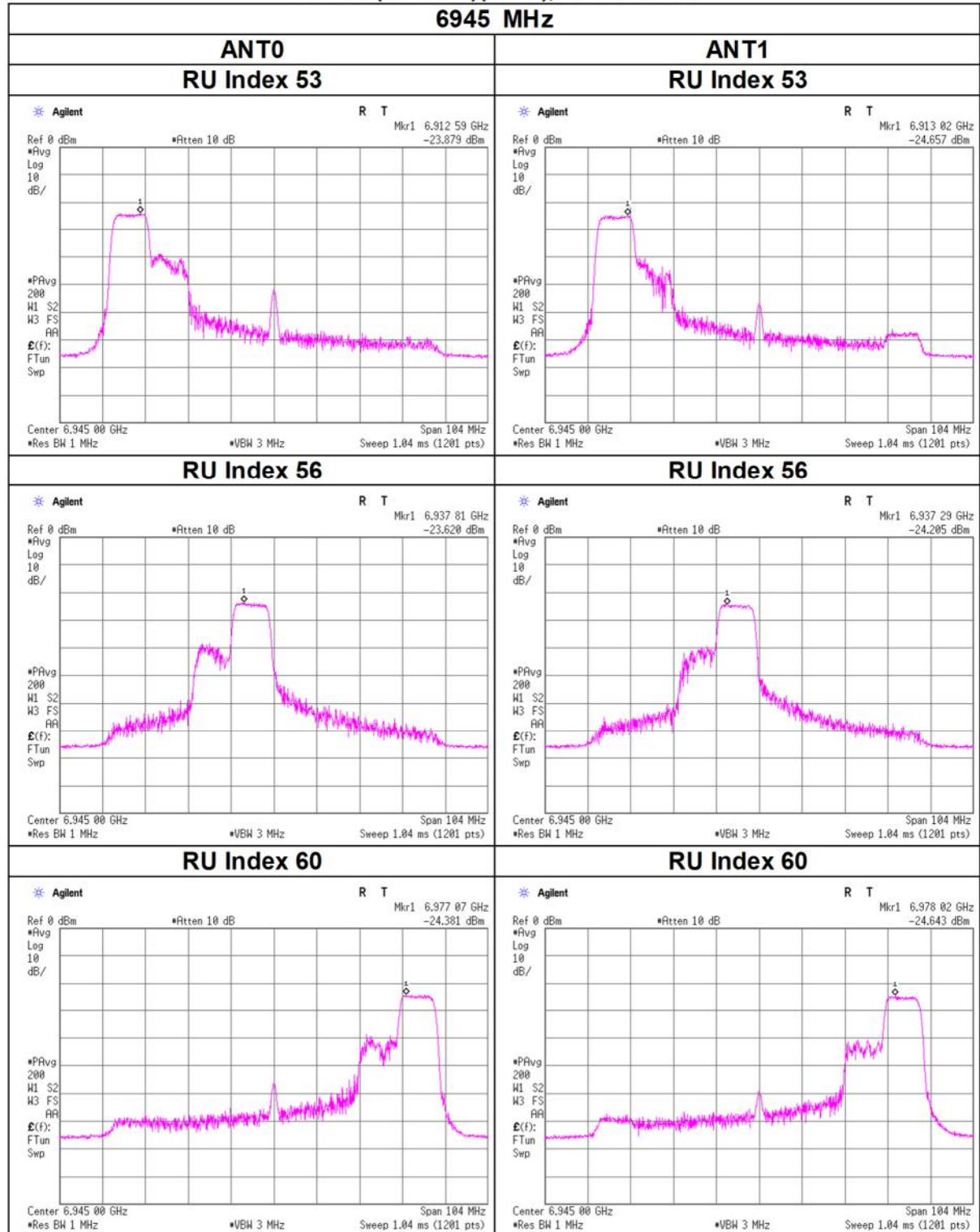
Maximum Power Spectral Density

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



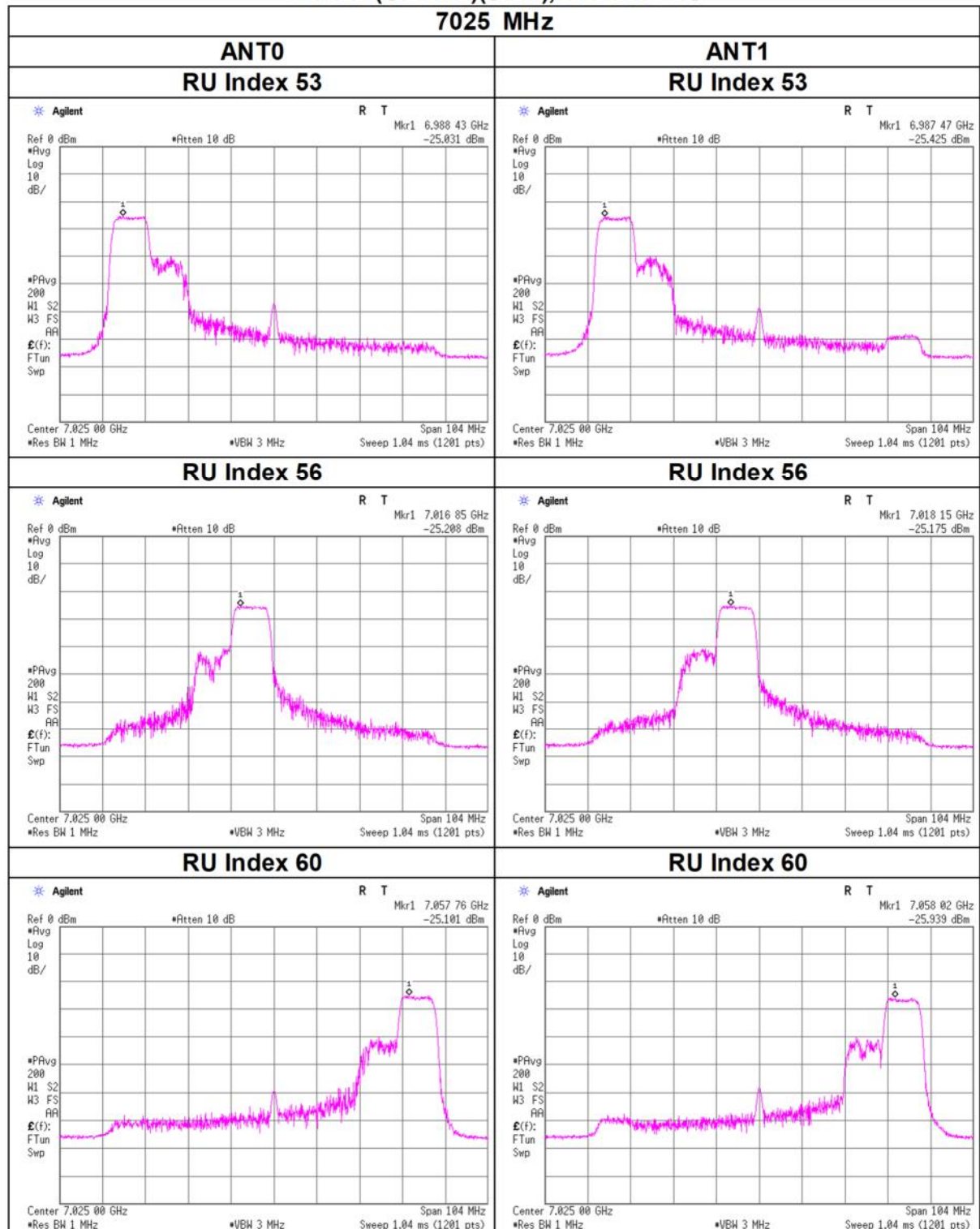
Maximum Power Spectral Density

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



Maximum Power Spectral Density

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



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 24, 2024
Temperature / Humidity 24 deg. C / 41 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-80 (OFDMA) 106-tone RU (CDD)

ANT0 + ANT1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		ANT0	ANT1	Sum				ANT0	ANT1	Sum			
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5985	53	0.04	0.04	0.08	-11.06	-	-	0.10	0.12	0.23	-6.43	-1.00	5.43
	56	0.04	0.05	0.08	-10.81	-	-	0.11	0.14	0.24	-6.18	-1.00	5.18
	60	0.03	0.04	0.07	-11.39	-	-	0.10	0.12	0.21	-6.76	-1.00	5.76
6225	53	0.04	0.05	0.09	-10.62	-	-	0.12	0.13	0.25	-5.99	-1.00	4.99
	56	0.04	0.04	0.08	-10.95	-	-	0.10	0.13	0.23	-6.32	-1.00	5.32
	60	0.03	0.05	0.08	-10.95	-	-	0.10	0.13	0.23	-6.32	-1.00	5.32
6385	53	0.04	0.04	0.08	-10.83	-	-	0.12	0.12	0.24	-6.20	-1.00	5.20
	56	0.04	0.05	0.09	-10.51	-	-	0.12	0.14	0.26	-5.88	-1.00	4.88
	60	0.04	0.05	0.08	-10.87	-	-	0.10	0.13	0.24	-6.24	-1.00	5.24
6465	53	0.03	0.06	0.09	-10.38	-	-	0.10	0.17	0.27	-5.75	-1.00	4.75
	56	0.03	0.07	0.10	-9.92	-	-	0.10	0.20	0.30	-5.29	-1.00	4.29
	60	0.04	0.06	0.10	-10.21	-	-	0.10	0.17	0.28	-5.58	-1.00	4.58

ANT0									ANT1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5985	53	0.08	-27.85	3.27	9.98	4.63	-14.52	-9.89	-27.14	3.30	10.10	4.63	-13.67	-9.04
	56	0.08	-27.75	3.27	9.98	4.63	-14.42	-9.79	-26.78	3.30	10.10	4.63	-13.30	-8.67
	60	0.08	-28.16	3.27	9.98	4.63	-14.82	-10.19	-27.49	3.30	10.10	4.63	-14.02	-9.39
6225	53	0.08	-27.27	3.34	9.98	4.63	-13.86	-9.23	-26.96	3.36	10.10	4.63	-13.42	-8.79
	56	0.08	-27.88	3.34	9.98	4.63	-14.47	-9.84	-27.05	3.36	10.10	4.63	-13.50	-8.87
	60	0.08	-28.00	3.34	9.98	4.63	-14.59	-9.96	-26.96	3.36	10.10	4.63	-13.41	-8.78
6385	53	0.08	-27.38	3.39	9.99	4.63	-13.93	-9.30	-27.36	3.41	10.11	4.63	-13.76	-9.13
	56	0.08	-27.41	3.39	9.99	4.63	-13.96	-9.33	-26.71	3.41	10.11	4.63	-13.12	-8.49
	60	0.08	-27.94	3.39	9.99	4.63	-14.49	-9.86	-26.95	3.41	10.11	4.63	-13.35	-8.72
6465	53	0.08	-28.06	3.41	9.99	4.63	-14.58	-9.95	-26.07	3.43	10.11	4.63	-12.45	-7.82
	56	0.08	-28.10	3.41	9.99	4.63	-14.62	-9.99	-25.33	3.43	10.11	4.63	-11.71	-7.08
	60	0.08	-27.99	3.41	9.99	4.63	-14.51	-9.88	-25.85	3.43	10.11	4.63	-12.23	-7.60

Sample Calculation:

PSD: Power Spectral Density

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

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

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

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

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date April 24, 2024
Temperature / Humidity 24 deg. C / 41 % RH
Engineer Makoto Hosaka
Mode Tx 11ax-80 (OFDMA) 106-tone RU (CDD)

ANT0 + ANT1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		ANT0 [mW/MHz]	ANT1 [mW/MHz]	Sum [mW/MHz]				ANT0 [mW/MHz]	ANT1 [mW/MHz]	Sum [mW/MHz]			
6545	53	0.05	0.06	0.11	-9.78	-	-	0.11	0.13	0.24	-6.16	-1.00	5.16
	56	0.05	0.05	0.11	-9.69	-	-	0.12	0.12	0.25	-6.07	-1.00	5.07
	60	0.04	0.05	0.09	-10.38	-	-	0.10	0.11	0.21	-6.76	-1.00	5.76
6625	53	0.04	0.04	0.08	-11.07	-	-	0.08	0.10	0.18	-7.45	-1.00	6.45
	56	0.04	0.05	0.09	-10.25	-	-	0.10	0.12	0.22	-6.63	-1.00	5.63
	60	0.04	0.04	0.08	-10.91	-	-	0.09	0.10	0.19	-7.29	-1.00	6.29
6705	53	0.04	0.05	0.09	-10.53	-	-	0.09	0.12	0.20	-6.91	-1.00	5.91
	56	0.04	0.05	0.08	-10.75	-	-	0.09	0.11	0.19	-7.13	-1.00	6.13
	60	0.03	0.05	0.08	-10.84	-	-	0.07	0.12	0.19	-7.22	-1.00	6.22
6865	53	0.03	0.04	0.07	-11.46	-	-	0.07	0.09	0.16	-7.84	-1.00	6.84
	56	0.03	0.04	0.07	-11.25	-	-	0.07	0.10	0.17	-7.63	-1.00	6.63
	60	0.03	0.04	0.07	-11.81	-	-	0.07	0.09	0.15	-8.19	-1.00	7.19
6945	53	0.04	0.04	0.08	-10.73	-	-	0.10	0.10	0.19	-7.11	-1.00	6.11
	56	0.04	0.04	0.08	-10.89	-	-	0.10	0.09	0.19	-7.27	-1.00	6.27
	60	0.04	0.04	0.08	-11.11	-	-	0.09	0.09	0.18	-7.49	-1.00	6.49
7025	53	0.04	0.04	0.08	-11.21	-	-	0.08	0.09	0.17	-7.59	-1.00	6.59
	56	0.04	0.04	0.07	-11.38	-	-	0.08	0.09	0.17	-7.76	-1.00	6.76
	60	0.03	0.03	0.07	-11.69	-	-	0.08	0.08	0.16	-8.07	-1.00	7.07

ANT0									ANT1					
Tested Frequency	RU Index	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	
							Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
6545	53	0.08	-26.59	3.43	9.99	3.62	-13.09	-9.47	-26.15	3.45	10.11	3.62	-12.51	-8.89
	56	0.08	-26.22	3.43	9.99	3.62	-12.73	-9.11	-26.31	3.45	10.11	3.62	-12.67	-9.05
	60	0.08	-27.05	3.43	9.99	3.62	-13.55	-9.93	-26.87	3.45	10.11	3.62	-13.23	-9.61
6625	53	0.08	-27.93	3.45	9.99	3.62	-14.41	-10.79	-27.44	3.47	10.11	3.62	-13.77	-10.15
	56	0.08	-27.33	3.45	9.99	3.62	-13.81	-10.19	-26.44	3.47	10.11	3.62	-12.77	-9.15
	60	0.08	-27.70	3.45	9.99	3.62	-14.18	-10.56	-27.35	3.47	10.11	3.62	-13.68	-10.06
6705	53	0.08	-27.74	3.47	9.99	3.62	-14.19	-10.57	-26.67	3.50	10.12	3.62	-12.98	-9.36
	56	0.08	-27.84	3.47	9.99	3.62	-14.29	-10.67	-26.98	3.50	10.12	3.62	-13.29	-9.67
	60	0.08	-28.45	3.47	9.99	3.62	-14.91	-11.29	-26.70	3.50	10.12	3.62	-13.00	-9.38
6865	53	0.08	-28.59	3.52	9.99	3.62	-15.00	-11.38	-27.73	3.54	10.12	3.62	-13.99	-10.37
	56	0.08	-28.69	3.52	9.99	3.62	-15.10	-11.48	-27.30	3.54	10.12	3.62	-13.56	-9.94
	60	0.08	-28.99	3.52	9.99	3.62	-15.40	-11.78	-28.05	3.54	10.12	3.62	-14.31	-10.69
6945	53	0.08	-27.33	3.54	9.99	3.62	-13.72	-10.10	-27.52	3.56	10.12	3.62	-13.76	-10.14
	56	0.08	-27.35	3.54	9.99	3.62	-13.73	-10.11	-27.84	3.56	10.12	3.62	-14.08	-10.46
	60	0.08	-27.72	3.54	9.99	3.62	-14.10	-10.48	-27.90	3.56	10.12	3.62	-14.14	-10.52
7025	53	0.08	-28.00	3.56	9.99	3.62	-14.36	-10.74	-27.88	3.58	10.12	3.62	-14.09	-10.47
	56	0.08	-28.11	3.56	9.99	3.62	-14.47	-10.85	-28.09	3.58	10.12	3.62	-14.30	-10.68
	60	0.08	-28.25	3.56	9.99	3.62	-14.62	-11.00	-28.57	3.58	10.12	3.62	-14.78	-11.16

Sample Calculation:

PSD: Power Spectral Density

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

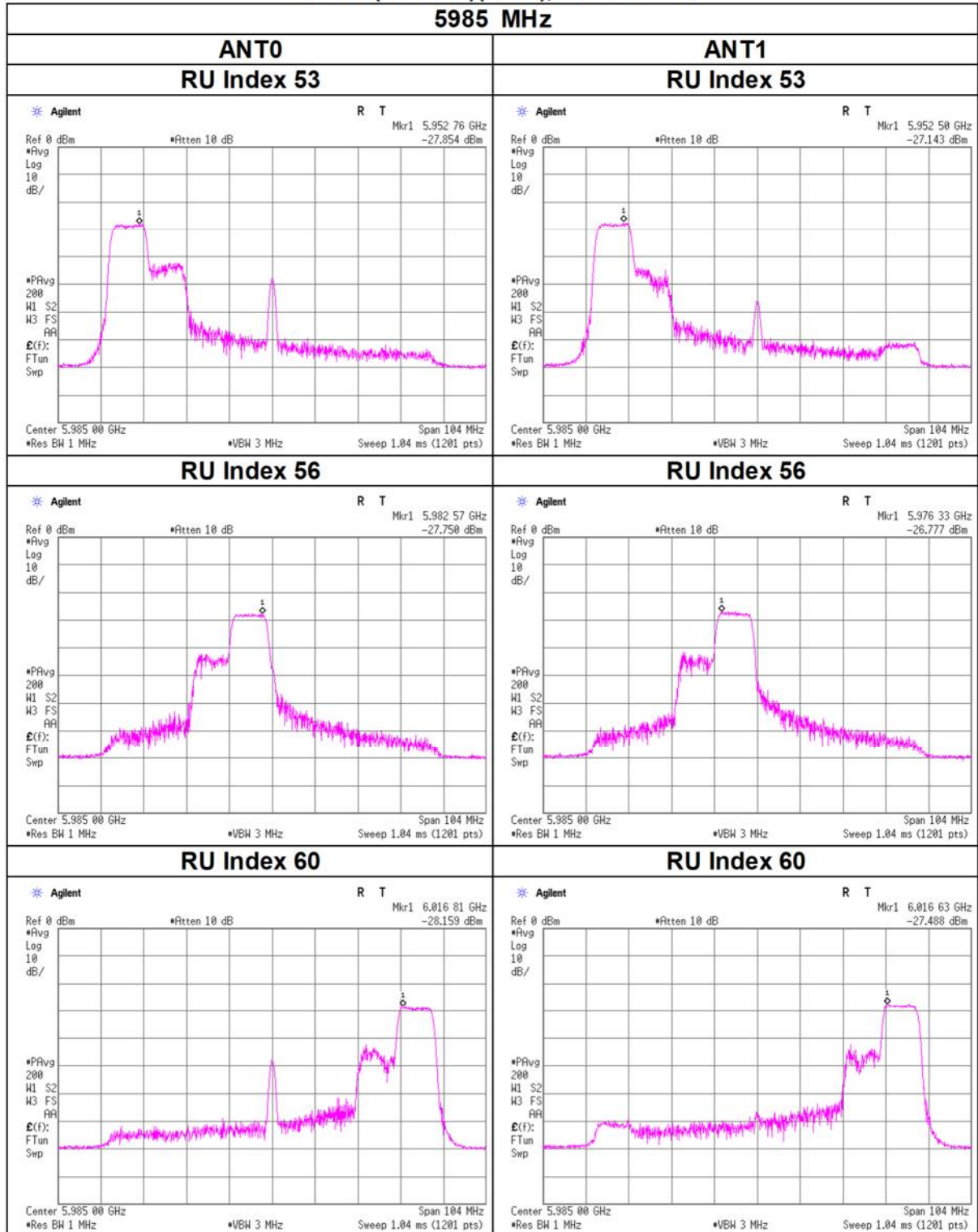
PSD (e.i.r.p.) Result = PSD (Conducted) Result + Directional Gain

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

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

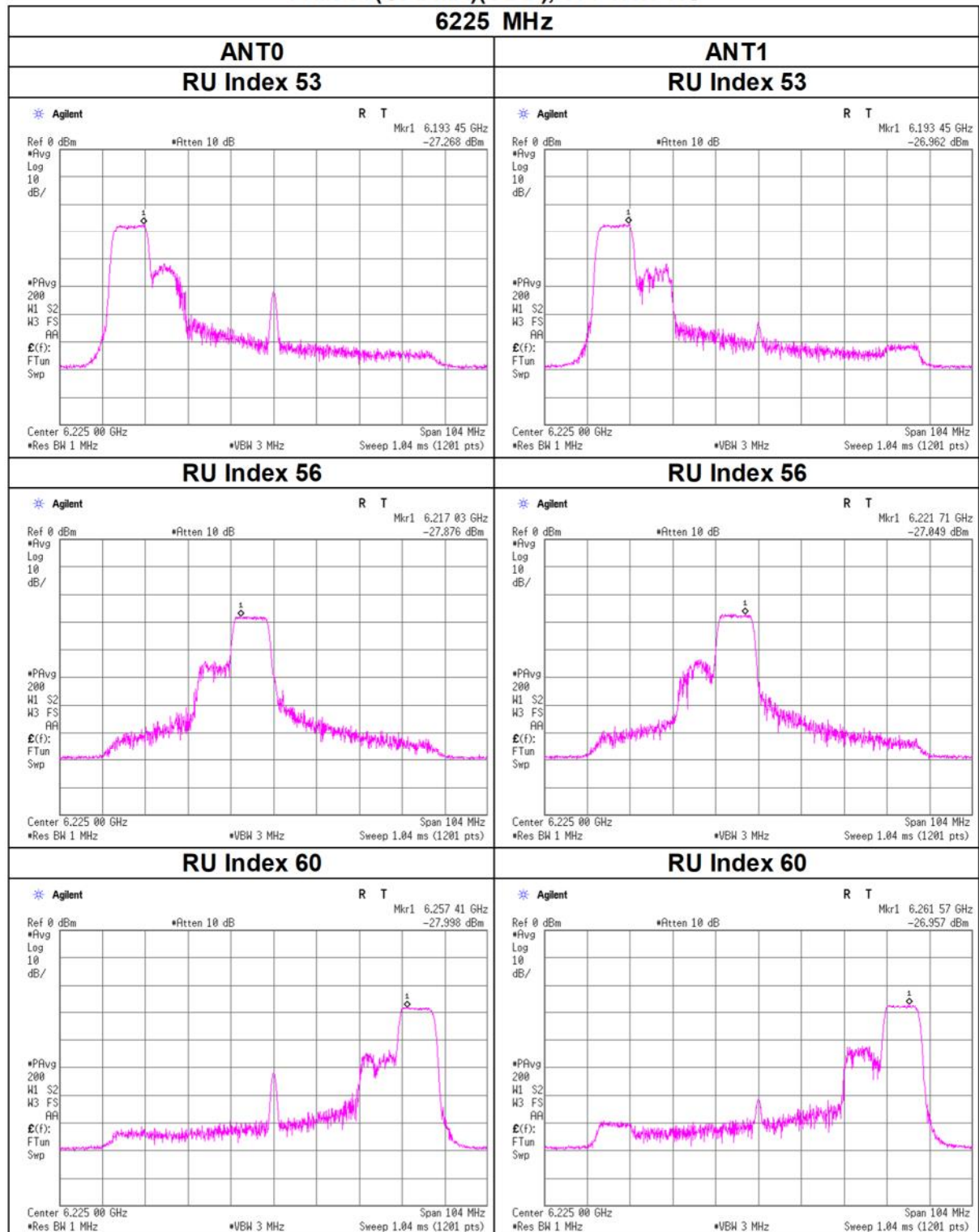
Maximum Power Spectral Density

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



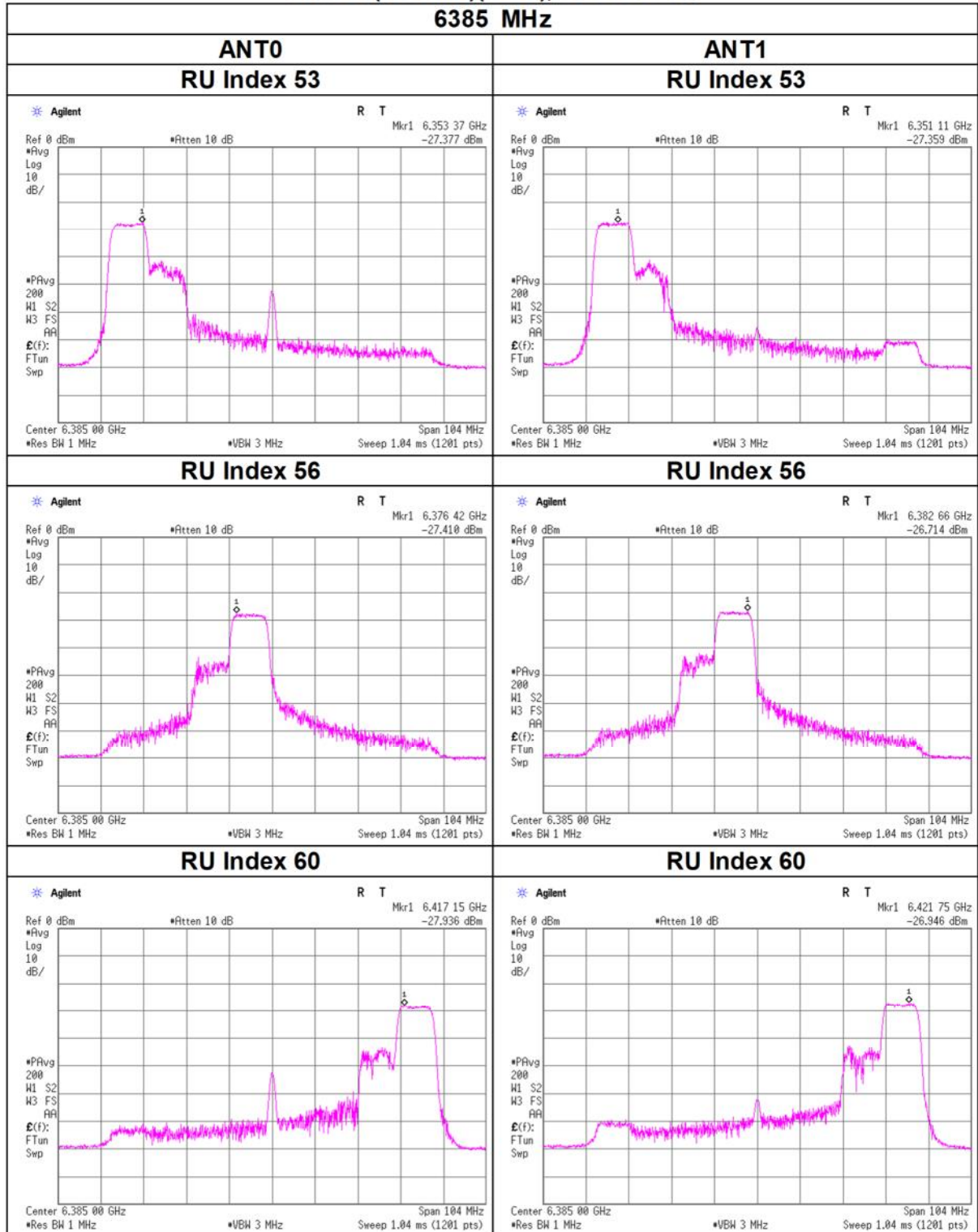
Maximum Power Spectral Density

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



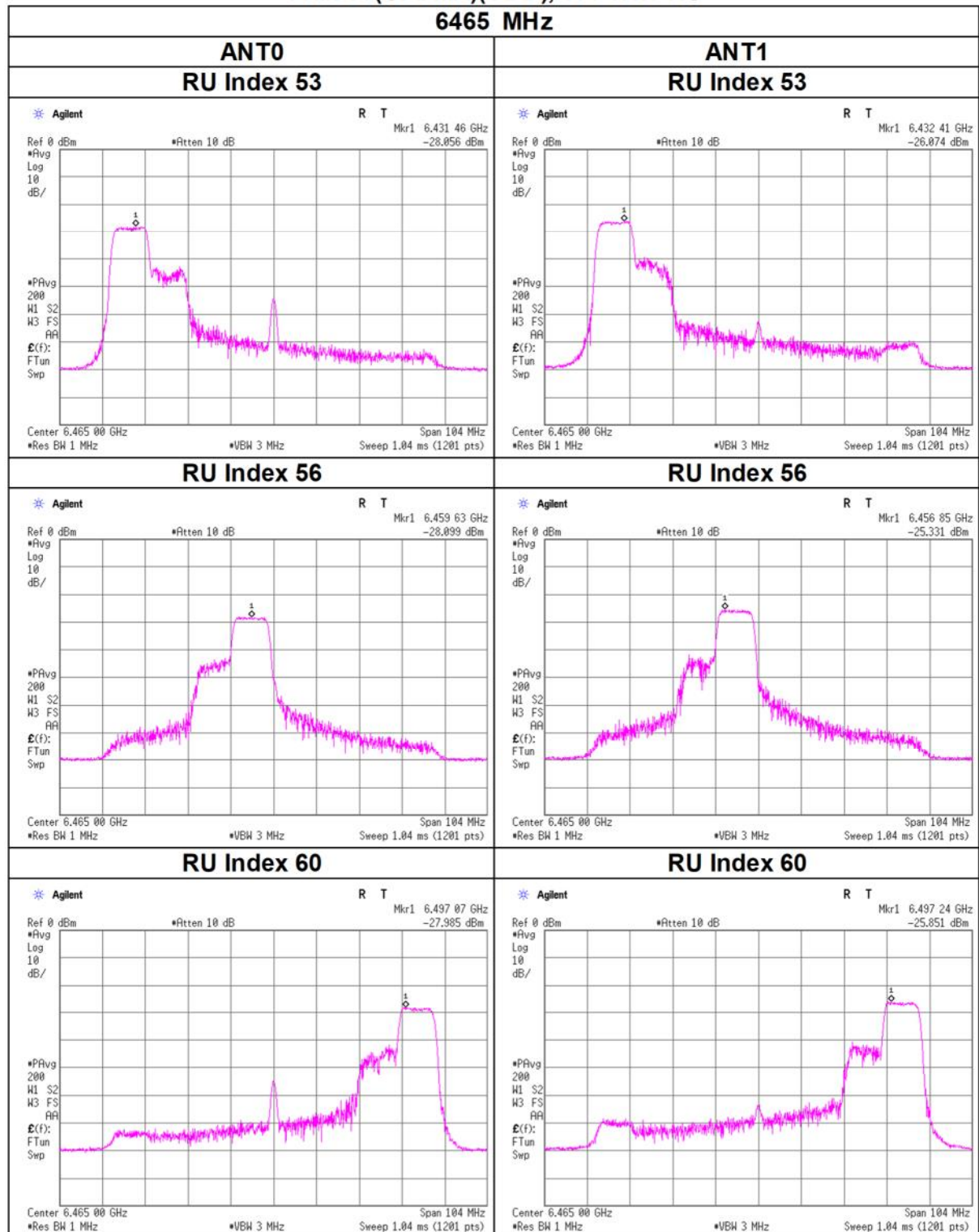
Maximum Power Spectral Density

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



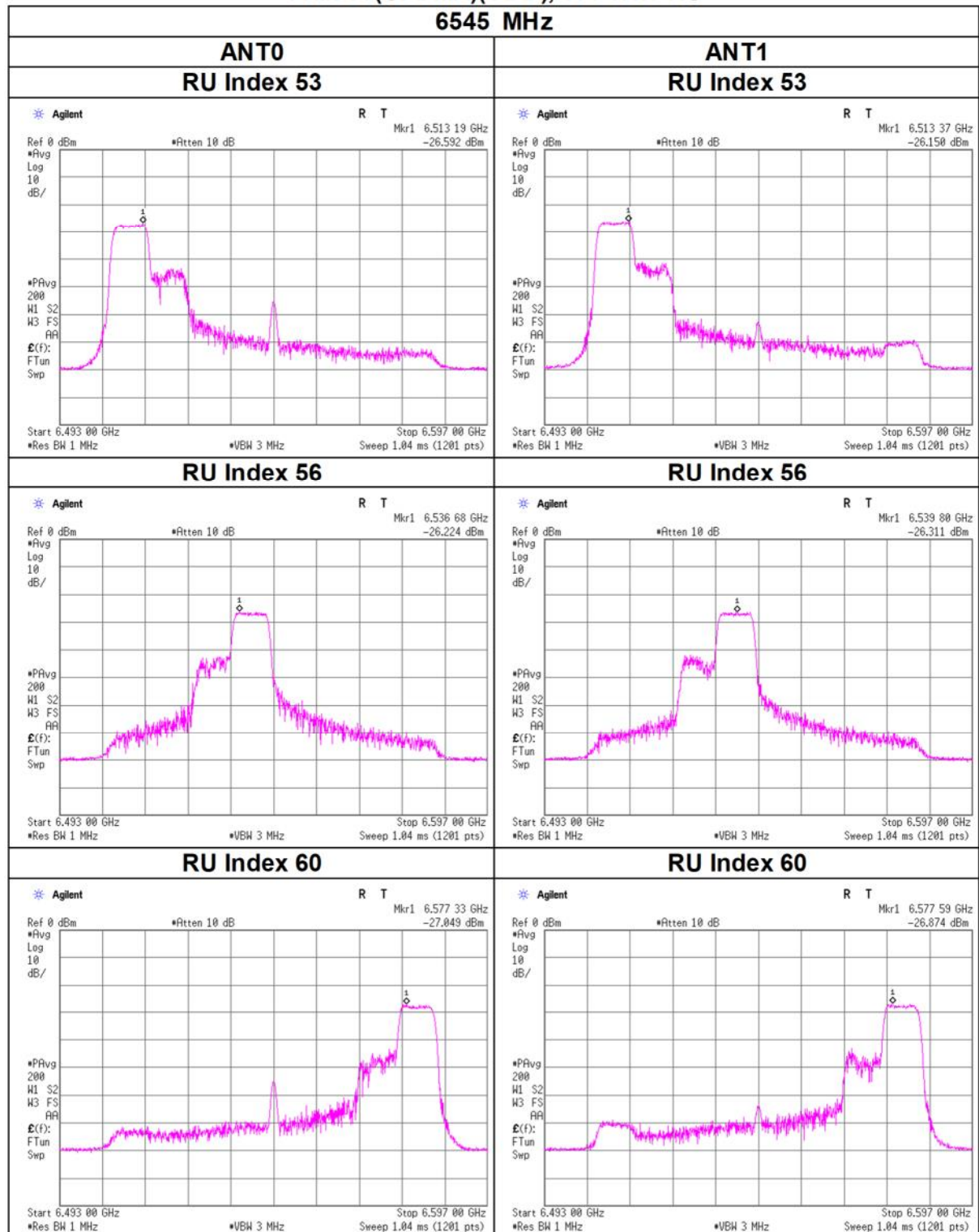
Maximum Power Spectral Density

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



Maximum Power Spectral Density

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



Maximum Power Spectral Density

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

