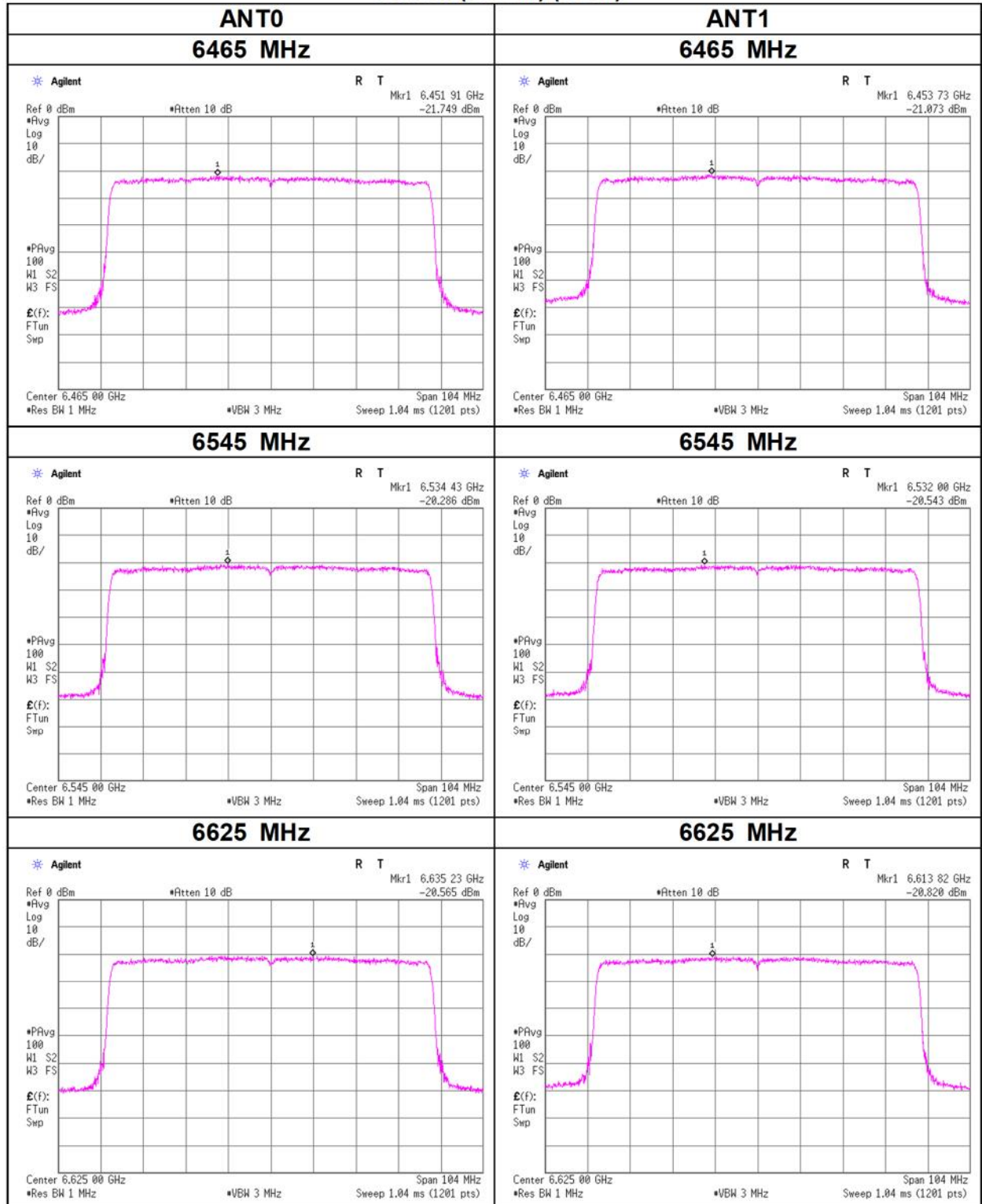


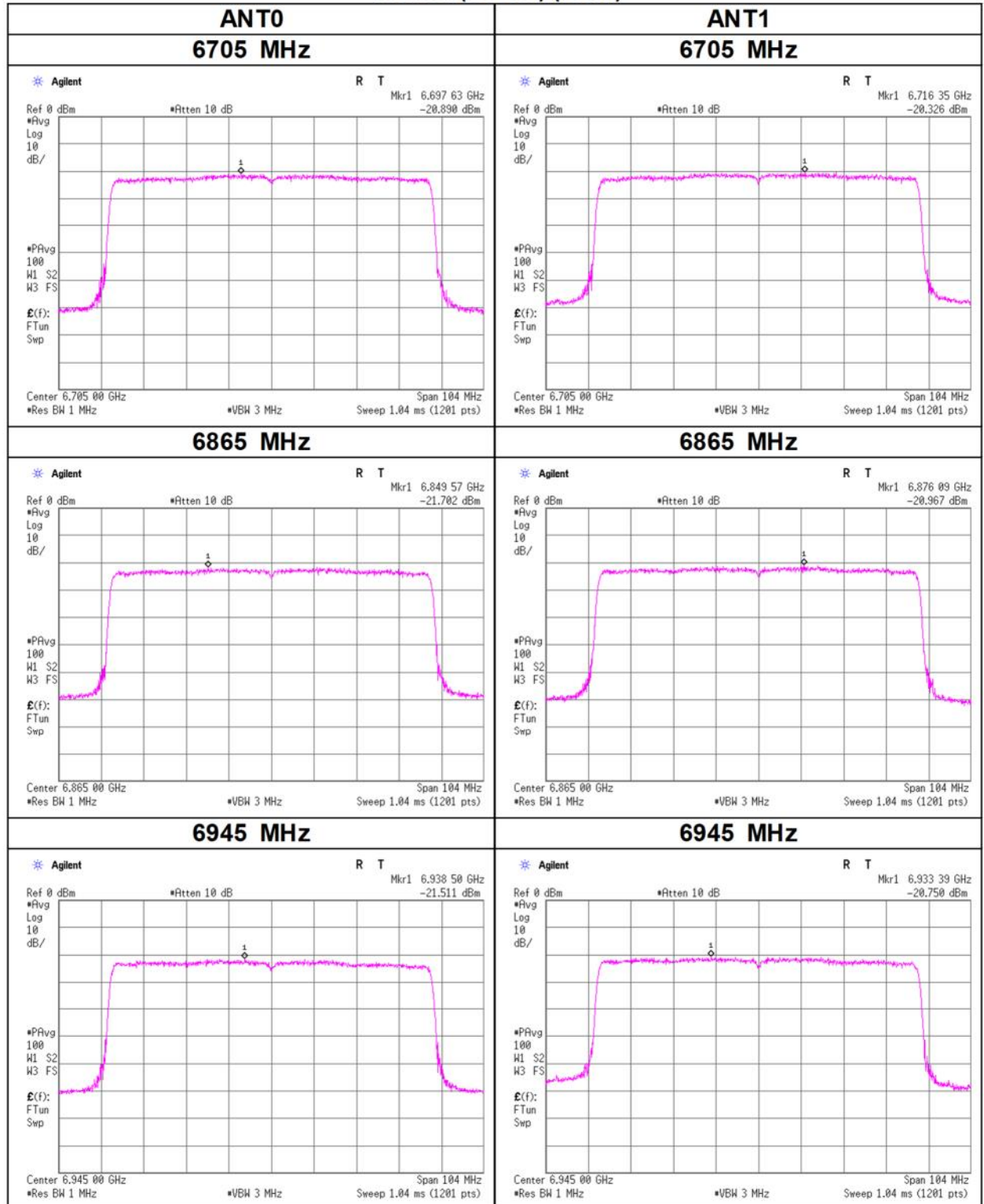
Maximum Power Spectral Density

11ax-80(OFDM) (SDM)



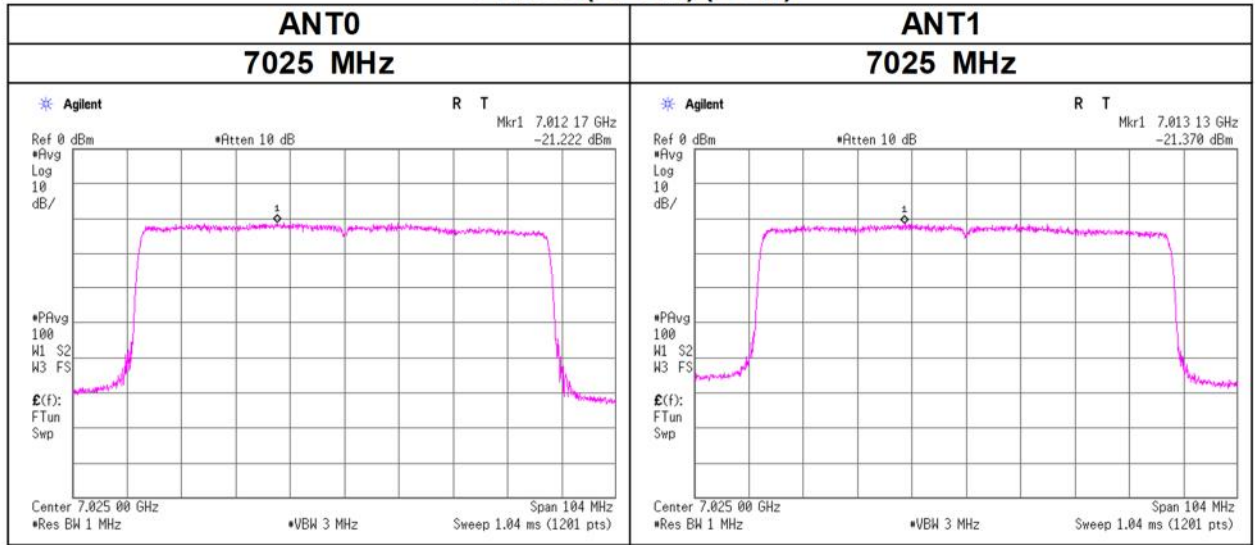
Maximum Power Spectral Density

11ax-80(OFDM) (SDM)



Maximum Power Spectral Density

11ax-80(OFDM) (SDM)



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date January 31, 2024
Temperature / Humidity 24 deg. C / 36 % RH
Engineer Kenichi Adachi
Mode Tx 11ax-80(OFDM) (CDD).

ANT0 + ANT1

Applied limit: 15.407, Low Power Indoor Client

Tested Frequency [MHz]	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	0.04	0.05	0.09	-10.49	-	-	0.11	0.15	0.26	-5.86	-1.00	4.86
6225	0.04	0.05	0.09	-10.30	-	-	0.12	0.16	0.27	-5.67	-1.00	4.67
6385	0.04	0.05	0.09	-10.32	-	-	0.12	0.15	0.27	-5.69	-1.00	4.69
6465	0.04	0.06	0.10	-9.92	-	-	0.11	0.18	0.30	-5.29	-1.00	4.29
6545	0.05	0.05	0.11	-9.70	-	-	0.12	0.12	0.25	-6.08	-1.00	5.08
6625	0.05	0.05	0.11	-9.75	-	-	0.12	0.12	0.24	-6.13	-1.00	5.13
6705	0.05	0.06	0.11	-9.62	-	-	0.12	0.13	0.25	-6.00	-1.00	5.00
6865	0.05	0.05	0.10	-9.94	-	-	0.11	0.13	0.23	-6.32	-1.00	5.32
6945	0.05	0.05	0.10	-9.99	-	-	0.11	0.12	0.23	-6.37	-1.00	5.37
7025	0.05	0.05	0.10	-9.89	-	-	0.12	0.11	0.24	-6.27	-1.00	5.27

ANT0							ANT1						
Tested Frequency	Duty Factor	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Directional Gain	PSD Result	PSD Reading	PSD Result
[MHz]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5985	0.07	-27.53	3.27	9.98	4.63	-14.21	-9.58	-26.36	3.30	10.10	4.63	-12.90	-8.27
6225	0.07	-27.38	3.34	9.98	4.63	-13.98	-9.35	-26.26	3.36	10.10	4.63	-12.72	-8.09
6385	0.07	-27.26	3.39	9.99	4.63	-13.82	-9.19	-26.48	3.41	10.11	4.63	-12.90	-8.27
6465	0.07	-27.52	3.41	9.99	4.63	-14.05	-9.42	-25.66	3.43	10.11	4.63	-12.05	-7.42
6545	0.07	-26.24	3.43	9.99	3.62	-12.75	-9.13	-26.31	3.45	10.11	3.62	-12.67	-9.05
6625	0.07	-26.35	3.45	9.99	3.62	-12.84	-9.22	-26.35	3.47	10.11	3.62	-12.69	-9.07
6705	0.07	-26.40	3.47	9.99	3.62	-12.87	-9.25	-26.10	3.50	10.12	3.62	-12.41	-8.79
6865	0.07	-26.91	3.52	9.99	3.62	-13.33	-9.71	-26.33	3.54	10.12	3.62	-12.60	-8.98
6945	0.07	-26.88	3.54	9.99	3.62	-13.27	-9.65	-26.50	3.56	10.12	3.62	-12.75	-9.13
7025	0.07	-26.39	3.56	9.99	3.62	-12.76	-9.14	-26.81	3.58	10.12	3.62	-13.04	-9.42

Sample Calculation:

PSD: Power Spectral Density

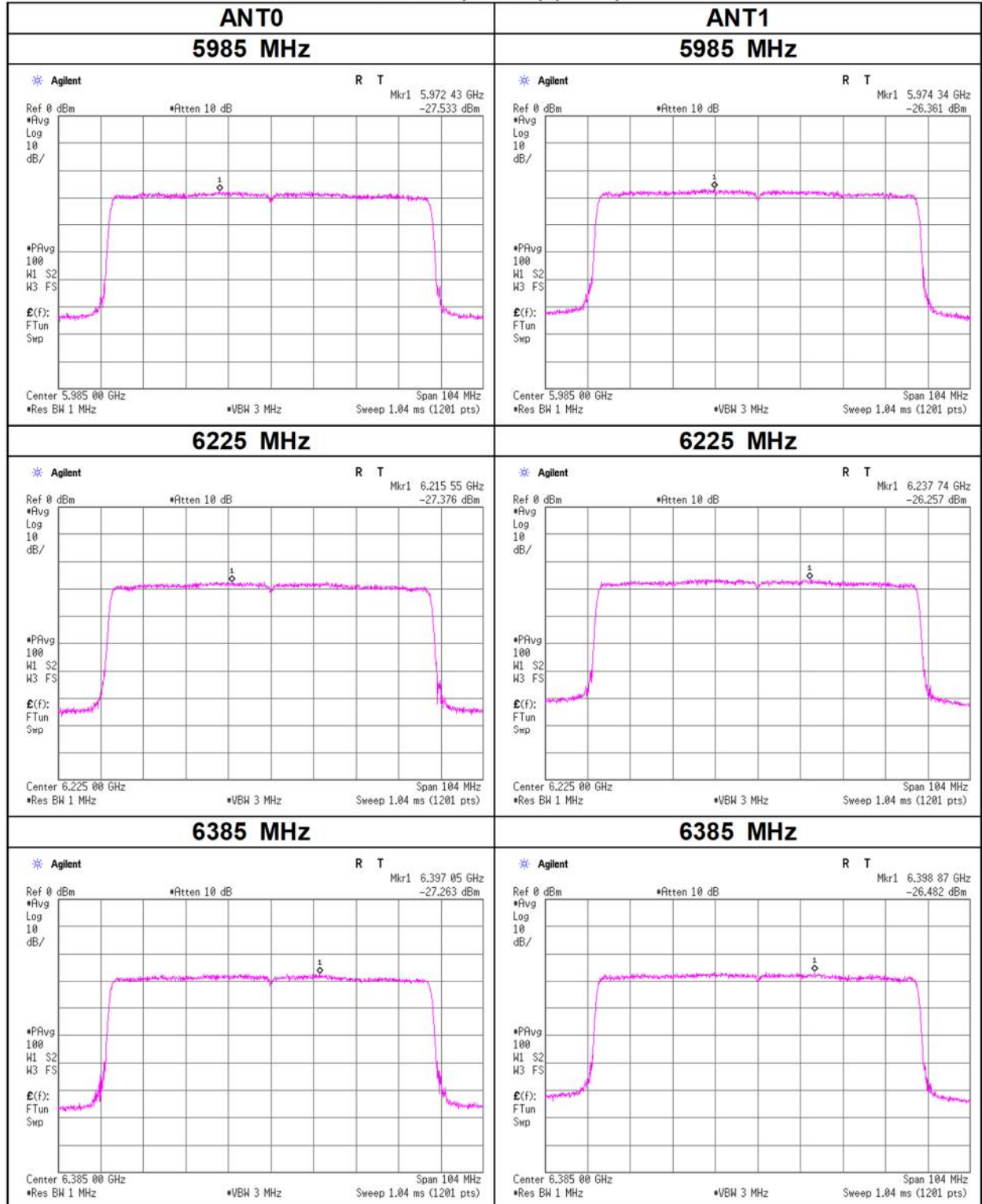
PSD (Conducted) Result = Reading + Cable Loss (including the Cable(s) customer supplied) + Atten. Loss + Duty Factor

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

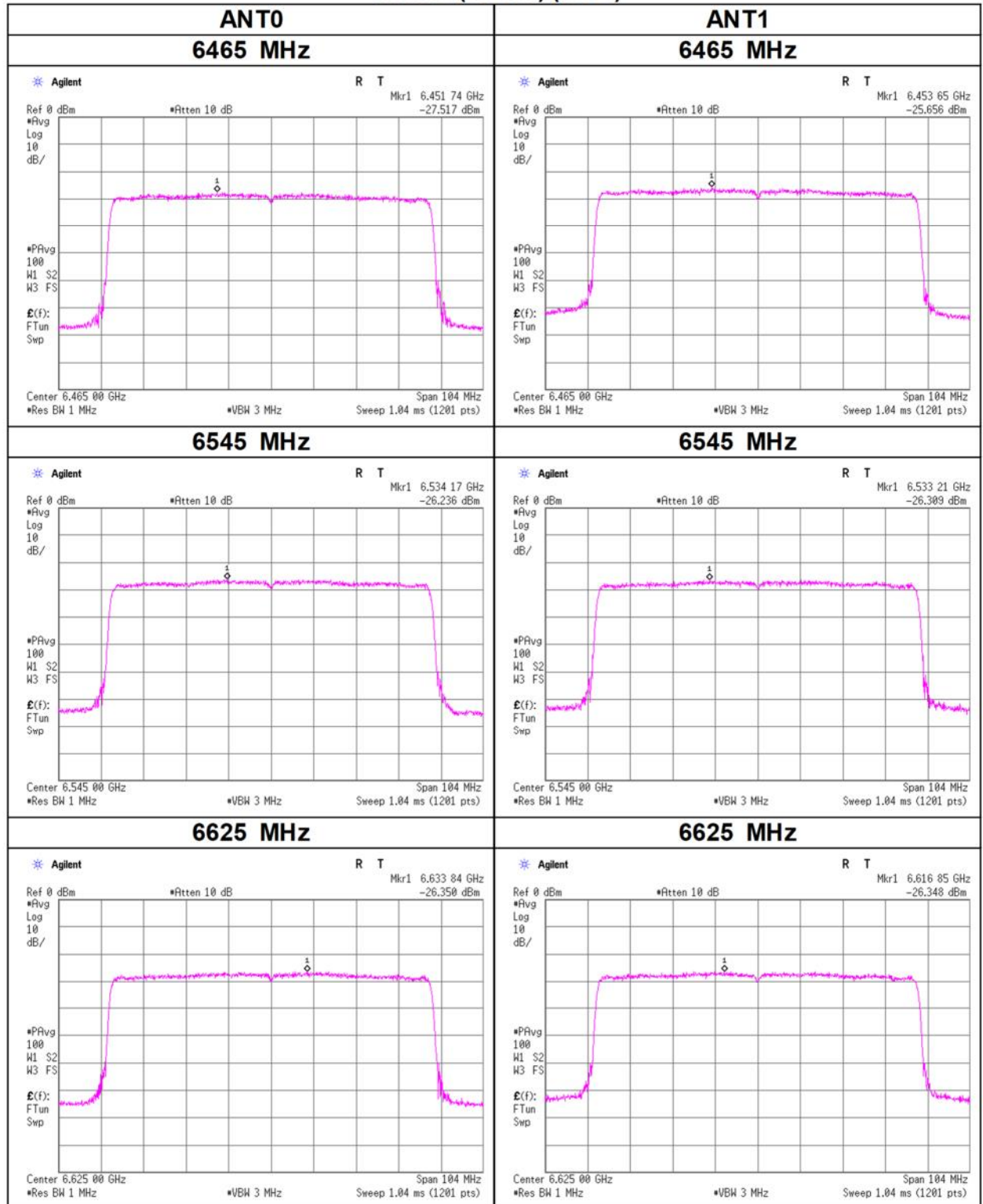
Directional Gain = Antenna Gain + Array Gain, Array Gain = $10\log(\text{Number of transmit antennas} / \text{Number of spatial streams})$

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

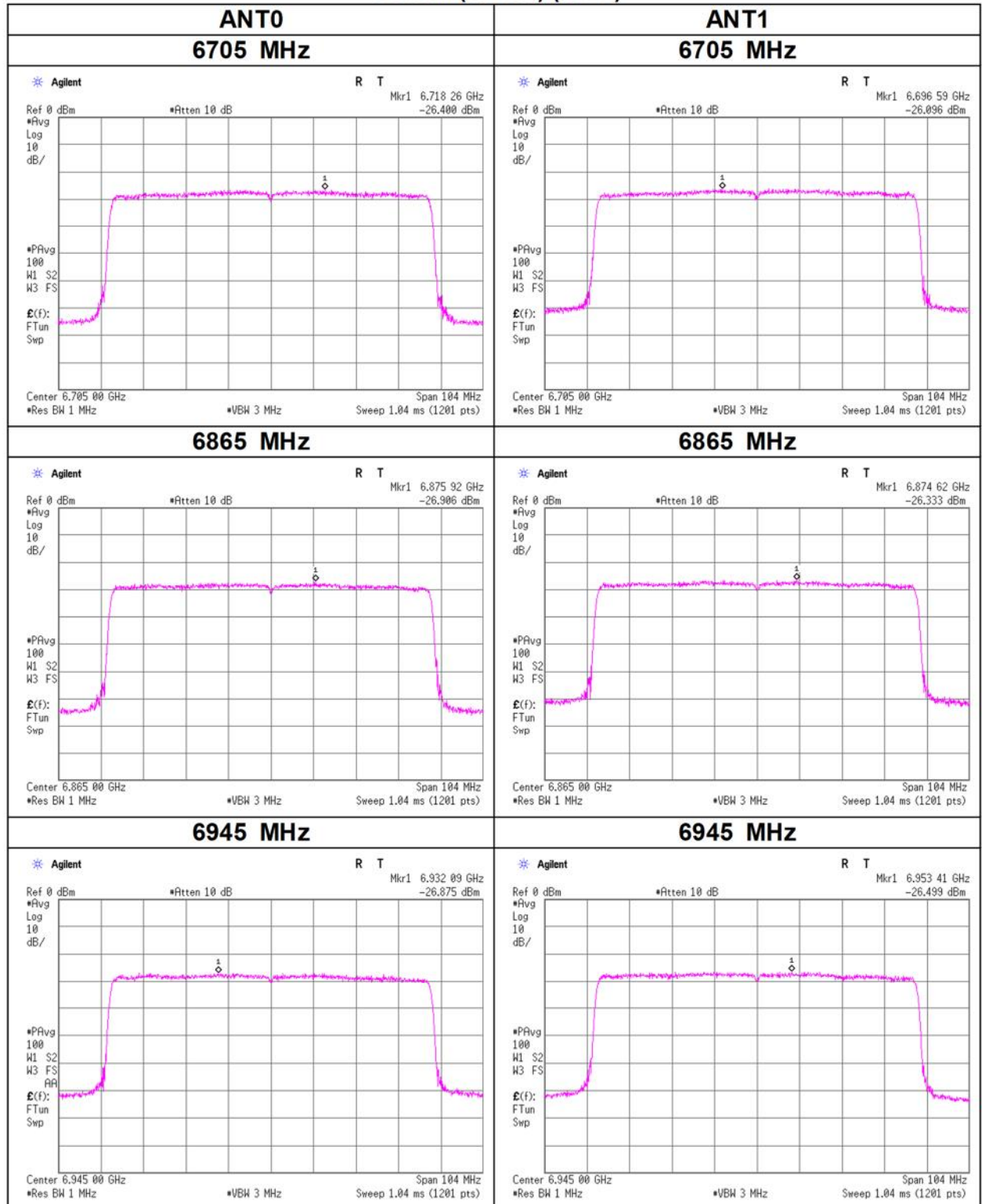
Maximum Power Spectral Density
11ax-80(OFDM) (CDD)



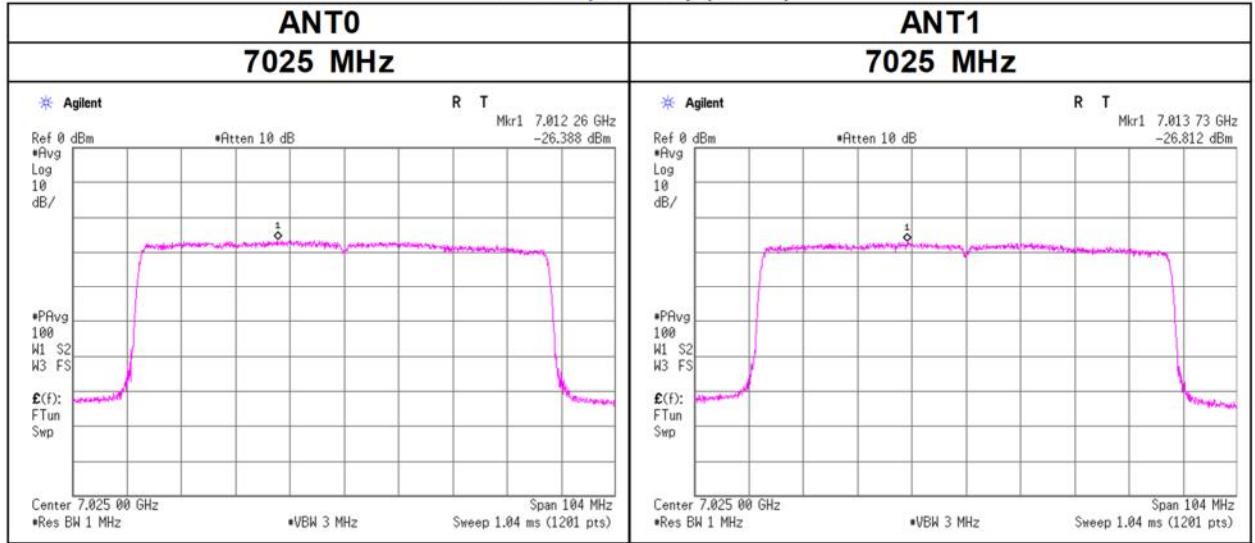
Maximum Power Spectral Density
11ax-80(OFDM) (CDD)



Maximum Power Spectral Density
11ax-80(OFDM) (CDD)



Maximum Power Spectral Density
11ax-80(OFDM) (CDD)



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) 26-tone RU (SDM)

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]
5985	0	0.08	0.07	0.14	-8.41	-	-	0.11	0.10	0.21	-6.80	-1.00	5.80
	18	0.06	0.07	0.12	-9.13	-	-	0.08	0.10	0.18	-7.52	-1.00	6.52
	36	0.06	0.06	0.12	-9.06	-	-	0.09	0.09	0.18	-7.45	-1.00	6.45
6225	0	0.06	0.09	0.15	-8.31	-	-	0.09	0.13	0.21	-6.70	-1.00	5.70
	18	0.06	0.07	0.12	-9.11	-	-	0.08	0.10	0.18	-7.50	-1.00	6.50
	36	0.07	0.08	0.15	-8.24	-	-	0.10	0.12	0.22	-6.63	-1.00	5.63
6385	0	0.08	0.09	0.17	-7.64	-	-	0.12	0.13	0.25	-6.03	-1.00	5.03
	18	0.06	0.08	0.14	-8.61	-	-	0.09	0.11	0.20	-7.00	-1.00	6.00
	36	0.07	0.08	0.15	-8.29	-	-	0.10	0.11	0.21	-6.68	-1.00	5.68
6465	0	0.06	0.10	0.15	-8.12	-	-	0.08	0.14	0.22	-6.51	-1.00	5.51
	18	0.05	0.10	0.15	-8.33	-	-	0.07	0.14	0.21	-6.72	-1.00	5.72
	36	0.07	0.11	0.18	-7.48	-	-	0.10	0.16	0.26	-5.87	-1.00	4.87

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	0	0.08	-24.46	3.27	9.98	1.61	-11.12	-9.51	-25.20	3.30	10.10	1.61	-11.73	-10.12
	18	0.08	-25.81	3.27	9.98	1.61	-12.48	-10.87	-25.30	3.30	10.10	1.61	-11.82	-10.21
	36	0.08	-25.54	3.27	9.98	1.61	-12.21	-10.60	-25.41	3.30	10.10	1.61	-11.94	-10.33
6225	0	0.08	-25.57	3.34	9.98	1.61	-12.16	-10.55	-24.17	3.36	10.10	1.61	-10.62	-9.01
	18	0.08	-25.99	3.34	9.98	1.61	-12.58	-10.97	-25.26	3.36	10.10	1.61	-11.71	-10.10
	36	0.08	-25.05	3.34	9.98	1.61	-11.64	-10.03	-24.45	3.36	10.10	1.61	-10.90	-9.29
6385	0	0.08	-24.39	3.39	9.99	1.61	-10.94	-9.33	-23.97	3.41	10.11	1.61	-10.37	-8.76
	18	0.08	-25.66	3.39	9.99	1.61	-12.21	-10.60	-24.71	3.41	10.11	1.61	-11.11	-9.50
	36	0.08	-24.89	3.39	9.99	1.61	-11.44	-9.83	-24.76	3.41	10.11	1.61	-11.17	-9.56
6465	0	0.08	-25.80	3.41	9.99	1.61	-12.32	-10.71	-23.82	3.43	10.11	1.61	-10.20	-8.59
	18	0.08	-26.41	3.41	9.99	1.61	-12.94	-11.33	-23.80	3.43	10.11	1.61	-10.18	-8.57
	36	0.08	-25.22	3.41	9.99	1.61	-11.74	-10.13	-23.14	3.43	10.11	1.61	-9.51	-7.90

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) 26-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	0	0.10	0.08	0.18	-7.34	-	-	0.11	0.10	0.21	-6.74	-1.00	5.74
	18	0.09	0.09	0.18	-7.51	-	-	0.10	0.10	0.20	-6.91	-1.00	5.91
	36	0.09	0.08	0.17	-7.79	-	-	0.10	0.09	0.19	-7.19	-1.00	6.19
6625	0	0.08	0.09	0.17	-7.82	-	-	0.09	0.10	0.19	-7.22	-1.00	6.22
	18	0.08	0.08	0.16	-7.90	-	-	0.09	0.10	0.19	-7.30	-1.00	6.30
	36	0.08	0.09	0.16	-7.86	-	-	0.09	0.10	0.19	-7.26	-1.00	6.26
6705	0	0.07	0.09	0.16	-7.92	-	-	0.08	0.10	0.19	-7.32	-1.00	6.32
	18	0.07	0.06	0.14	-8.58	-	-	0.09	0.07	0.16	-7.98	-1.00	6.98
	36	0.07	0.08	0.15	-8.21	-	-	0.08	0.10	0.17	-7.61	-1.00	6.61
6865	0	0.06	0.08	0.14	-8.50	-	-	0.07	0.09	0.16	-7.90	-1.00	6.90
	18	0.06	0.06	0.12	-9.34	-	-	0.07	0.07	0.13	-8.74	-1.00	7.74
	36	0.06	0.07	0.13	-8.90	-	-	0.06	0.08	0.15	-8.30	-1.00	7.30
6945	0	0.09	0.07	0.16	-7.98	-	-	0.10	0.08	0.18	-7.38	-1.00	6.38
	18	0.05	0.05	0.10	-9.85	-	-	0.06	0.06	0.12	-9.25	-1.00	8.25
	36	0.07	0.07	0.14	-8.53	-	-	0.09	0.08	0.16	-7.93	-1.00	6.93
7025	0	0.08	0.06	0.14	-8.56	-	-	0.09	0.07	0.16	-7.96	-1.00	6.96
	18	0.07	0.05	0.11	-9.54	-	-	0.07	0.05	0.13	-8.94	-1.00	7.94
	36	0.07	0.05	0.13	-9.02	-	-	0.08	0.06	0.14	-8.42	-1.00	7.42

		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	0	0.08	-23.50	3.43	9.99	0.60	-10.00	-9.40	-24.38	3.45	10.11	0.60	-10.73	-10.13	
	18	0.08	-24.03	3.43	9.99	0.60	-10.53	-9.93	-24.16	3.45	10.11	0.60	-10.52	-9.92	
	36	0.08	-24.10	3.43	9.99	0.60	-10.60	-10.00	-24.66	3.45	10.11	0.60	-11.02	-10.42	
6625	0	0.08	-24.57	3.45	9.99	0.60	-11.05	-10.45	-24.30	3.47	10.11	0.60	-10.63	-10.03	
	18	0.08	-24.61	3.45	9.99	0.60	-11.09	-10.49	-24.40	3.47	10.11	0.60	-10.73	-10.13	
	36	0.08	-24.59	3.45	9.99	0.60	-11.07	-10.47	-24.35	3.47	10.11	0.60	-10.68	-10.08	
6705	0	0.08	-25.03	3.47	9.99	0.60	-11.48	-10.88	-24.13	3.50	10.12	0.60	-10.43	-9.83	
	18	0.08	-24.81	3.47	9.99	0.60	-11.27	-10.67	-25.62	3.50	10.12	0.60	-11.93	-11.33	
	36	0.08	-25.34	3.47	9.99	0.60	-11.79	-11.19	-24.40	3.50	10.12	0.60	-10.71	-10.11	
6865	0	0.08	-25.49	3.52	9.99	0.60	-11.90	-11.30	-24.89	3.54	10.12	0.60	-11.15	-10.55	
	18	0.08	-25.92	3.52	9.99	0.60	-12.33	-11.73	-26.12	3.54	10.12	0.60	-12.38	-11.78	
	36	0.08	-26.15	3.52	9.99	0.60	-12.56	-11.96	-25.08	3.54	10.12	0.60	-11.34	-10.74	
6945	0	0.08	-24.20	3.54	9.99	0.60	-10.59	-9.99	-25.20	3.56	10.12	0.60	-11.44	-10.84	
	18	0.08	-26.57	3.54	9.99	0.60	-12.96	-12.36	-26.53	3.56	10.12	0.60	-12.77	-12.17	
	36	0.08	-24.88	3.54	9.99	0.60	-11.26	-10.66	-25.61	3.56	10.12	0.60	-11.84	-11.24	
7025	0	0.08	-24.79	3.56	9.99	0.60	-11.15	-10.55	-25.81	3.58	10.12	0.60	-12.03	-11.43	
	18	0.08	-25.50	3.56	9.99	0.60	-11.86	-11.26	-27.15	3.58	10.12	0.60	-13.37	-12.77	
	36	0.08	-25.17	3.56	9.99	0.60	-11.53	-10.93	-26.39	3.58	10.12	0.60	-12.60	-12.00	

Sample Calculation:

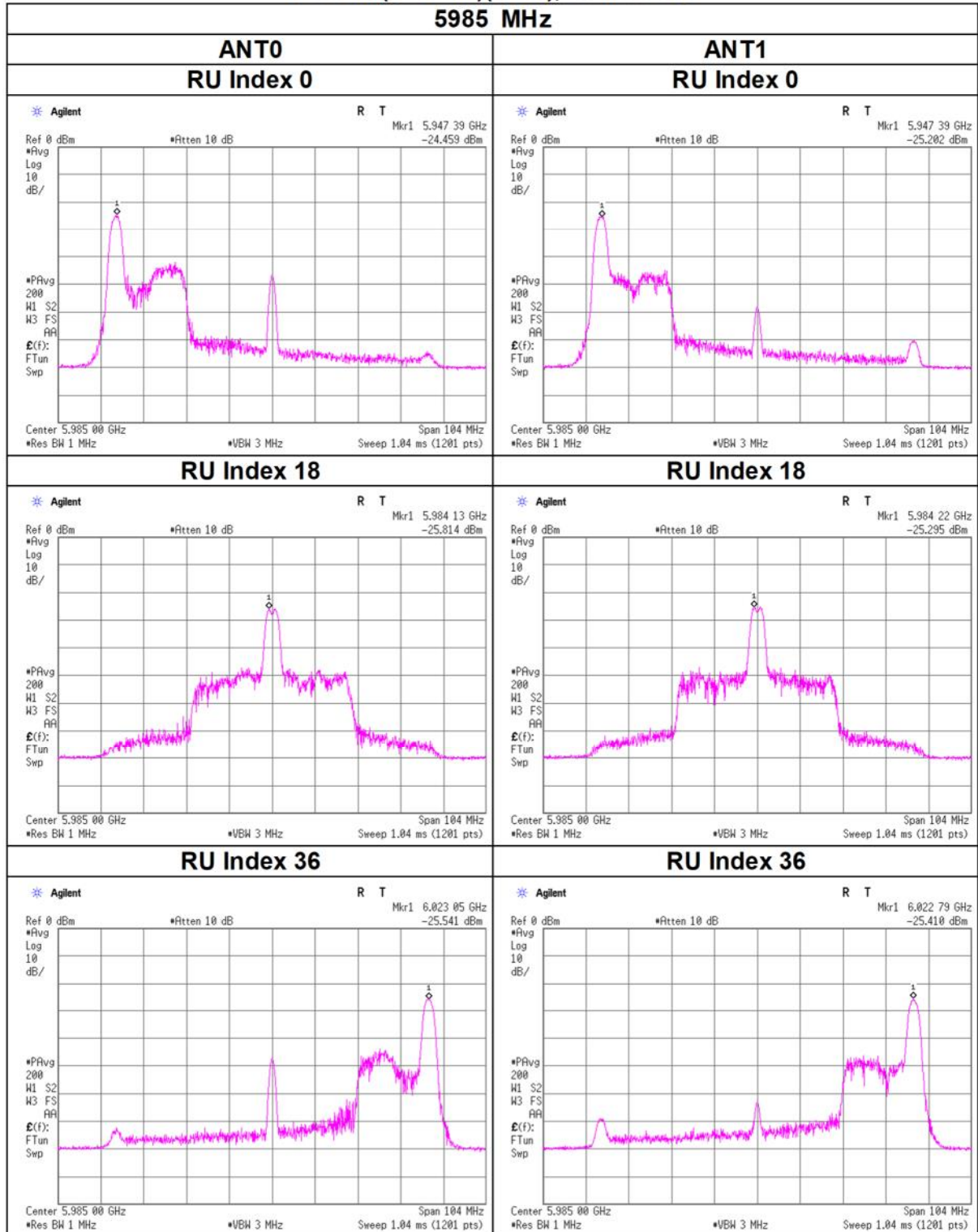
PSD: Power Spectral Density

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

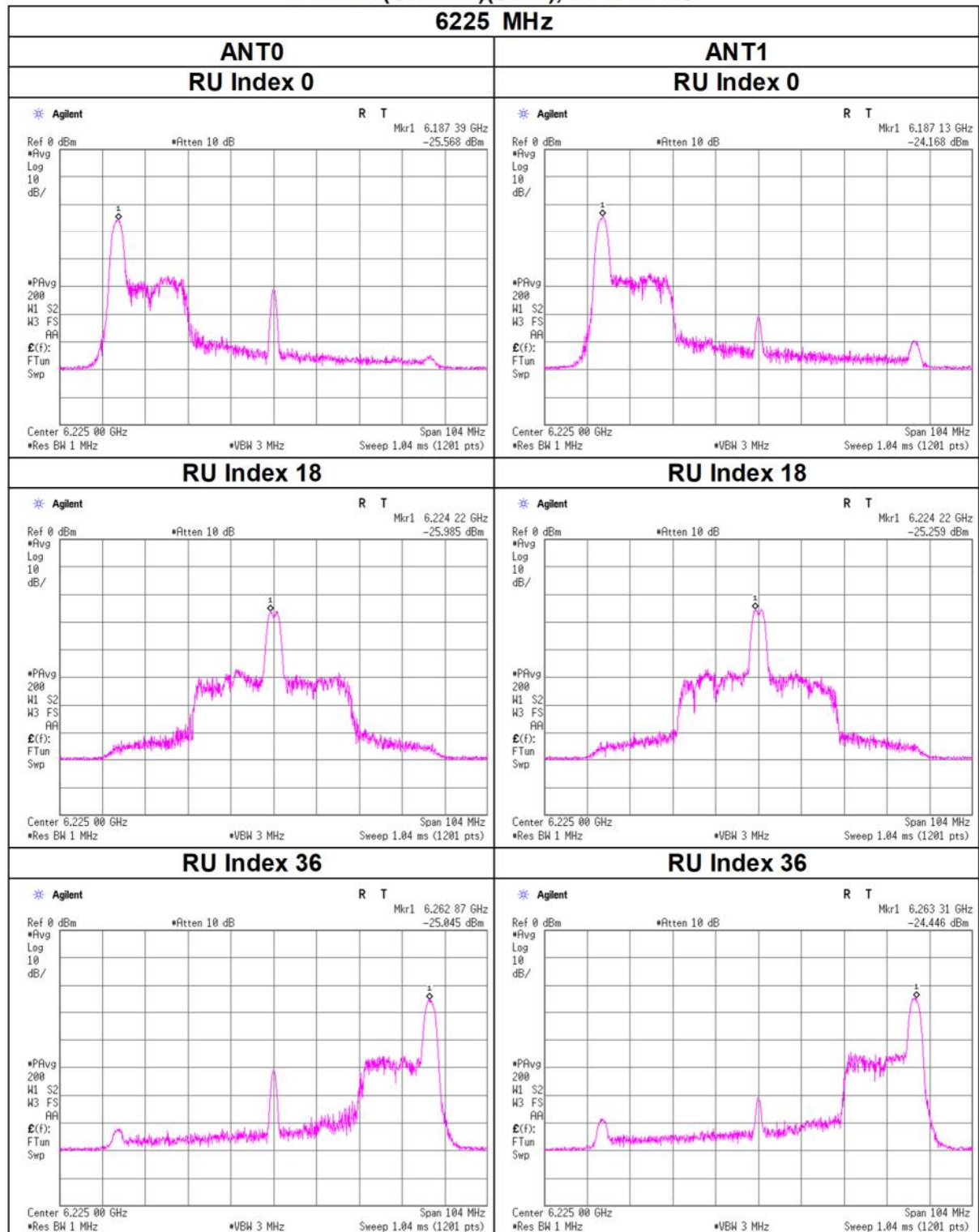
Maximum Power Spectral Density

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



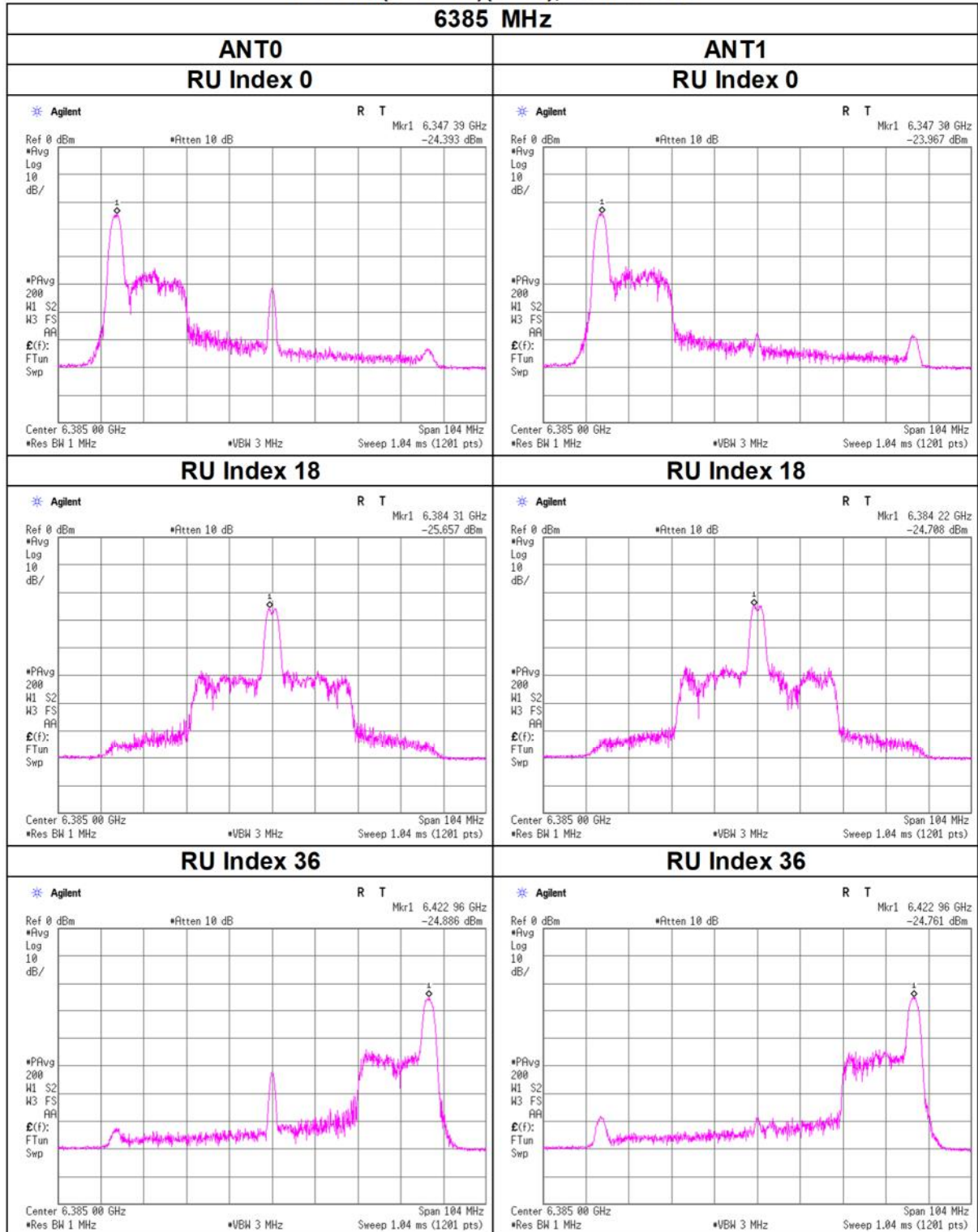
Maximum Power Spectral Density

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



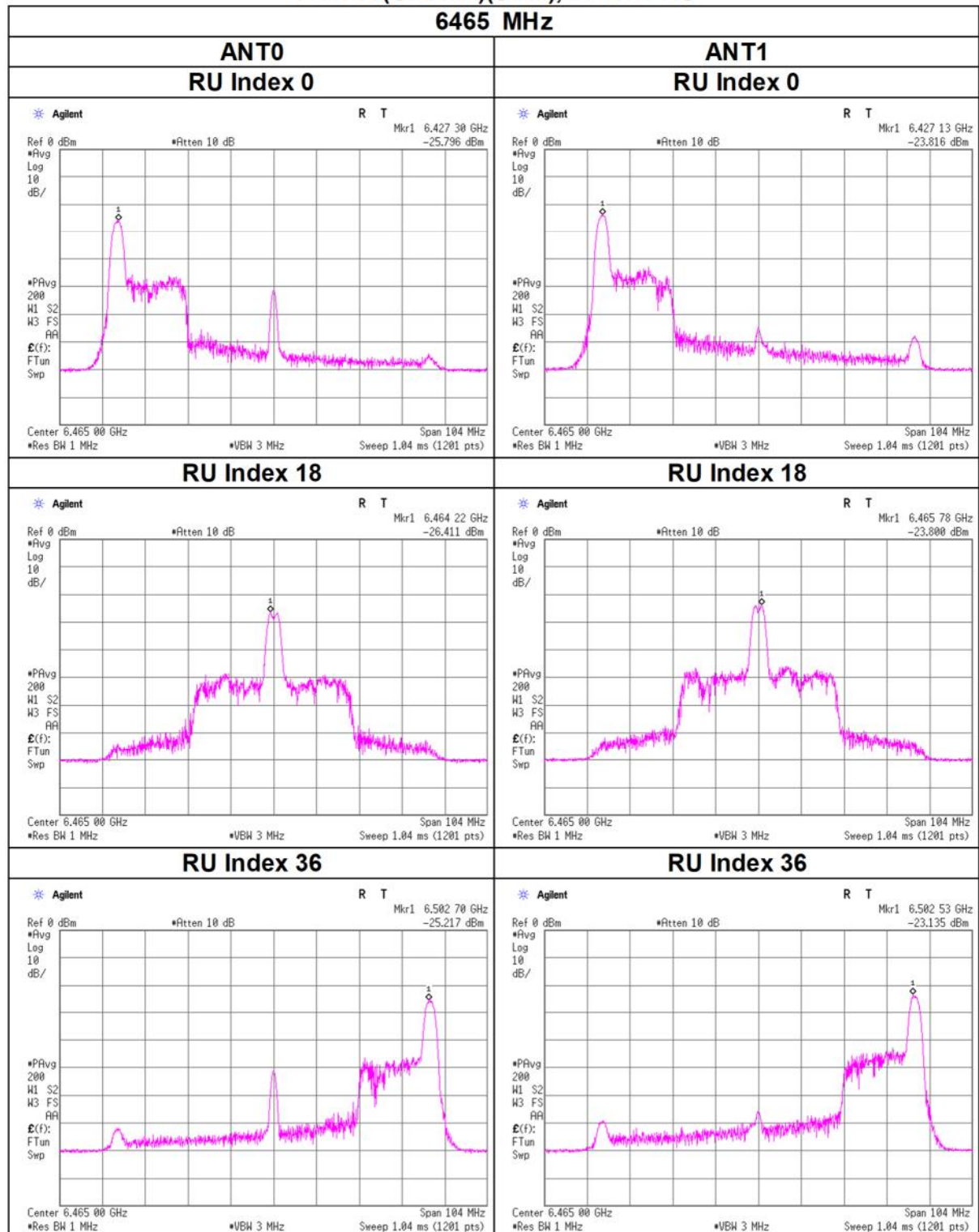
Maximum Power Spectral Density

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



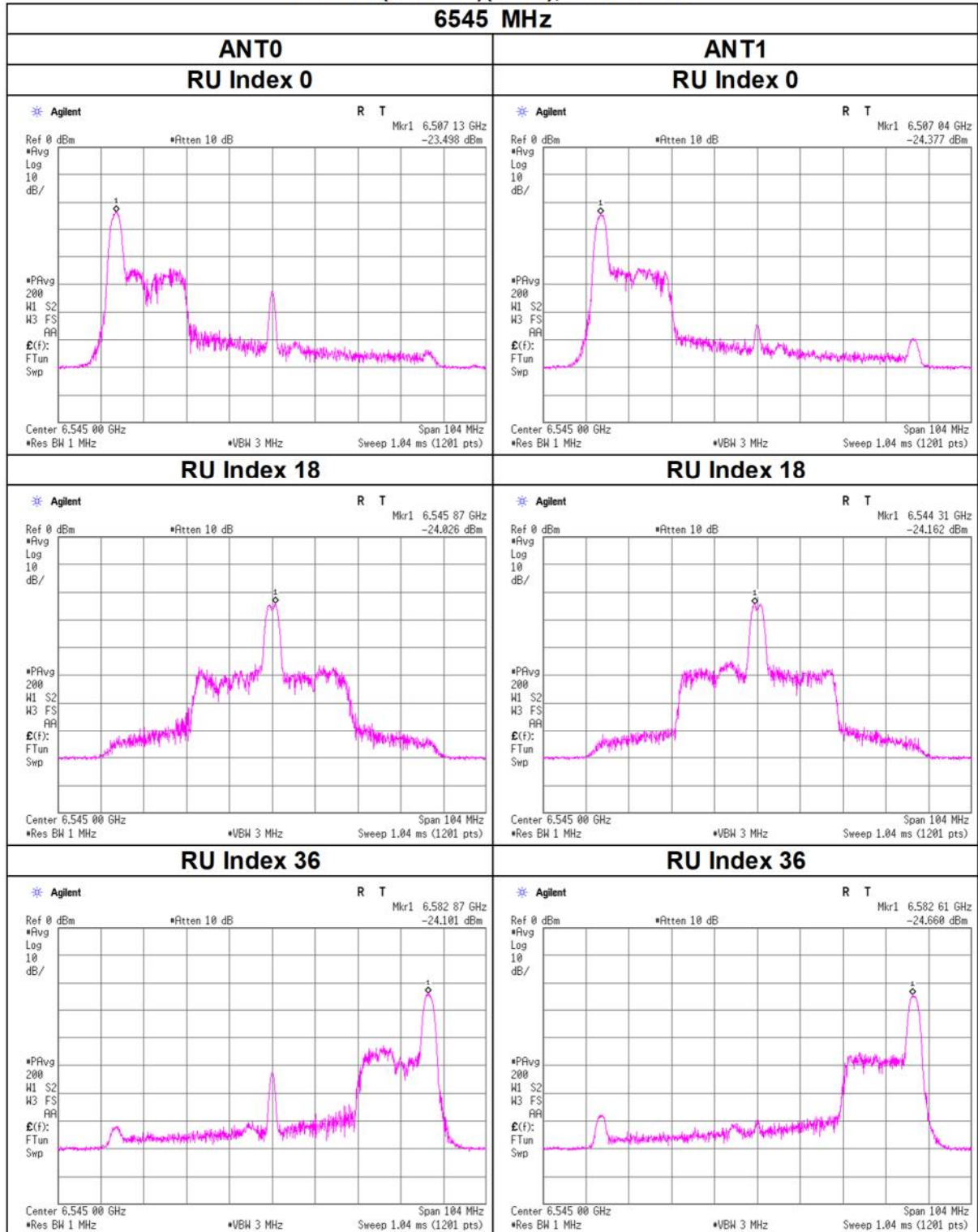
Maximum Power Spectral Density

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



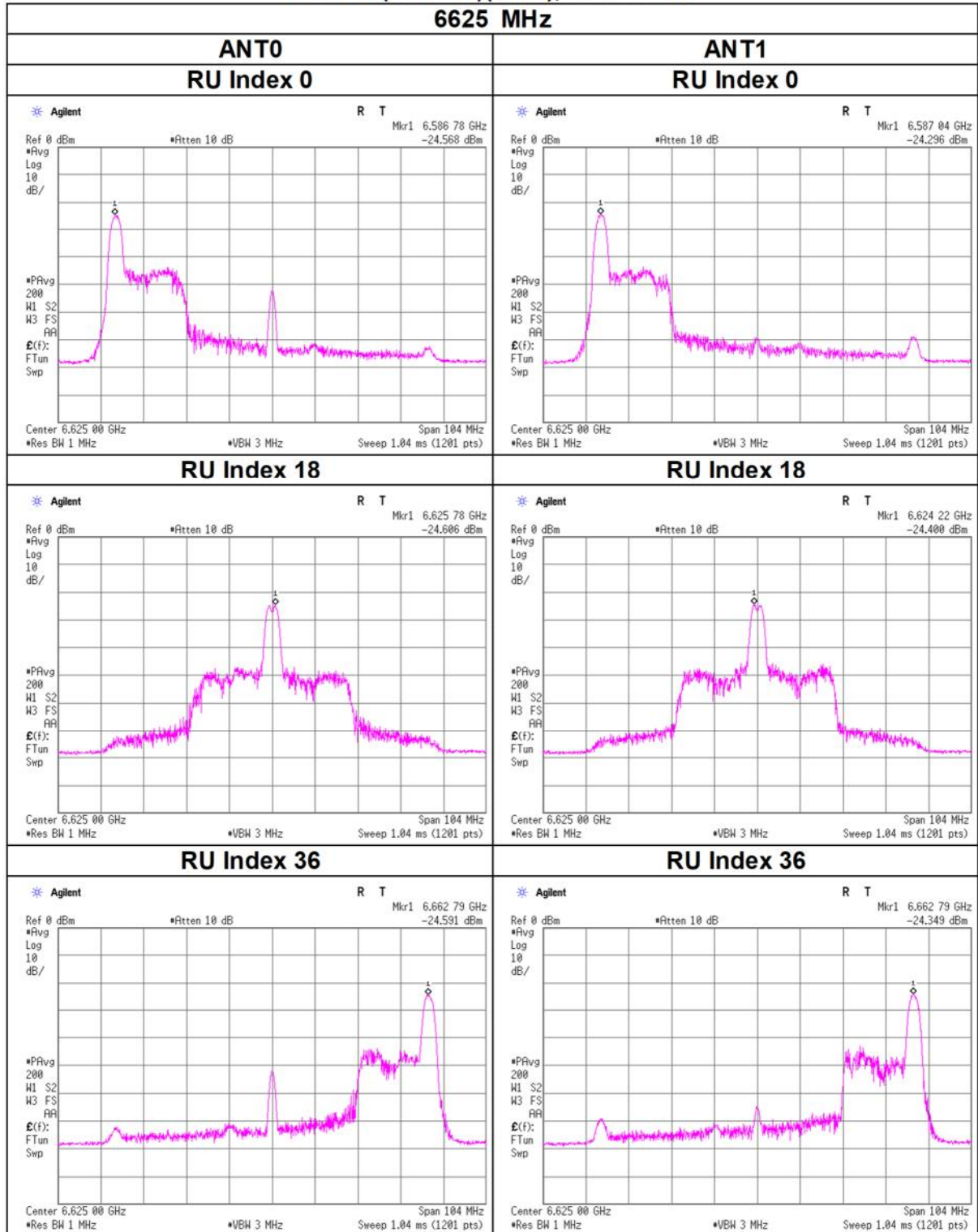
Maximum Power Spectral Density

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



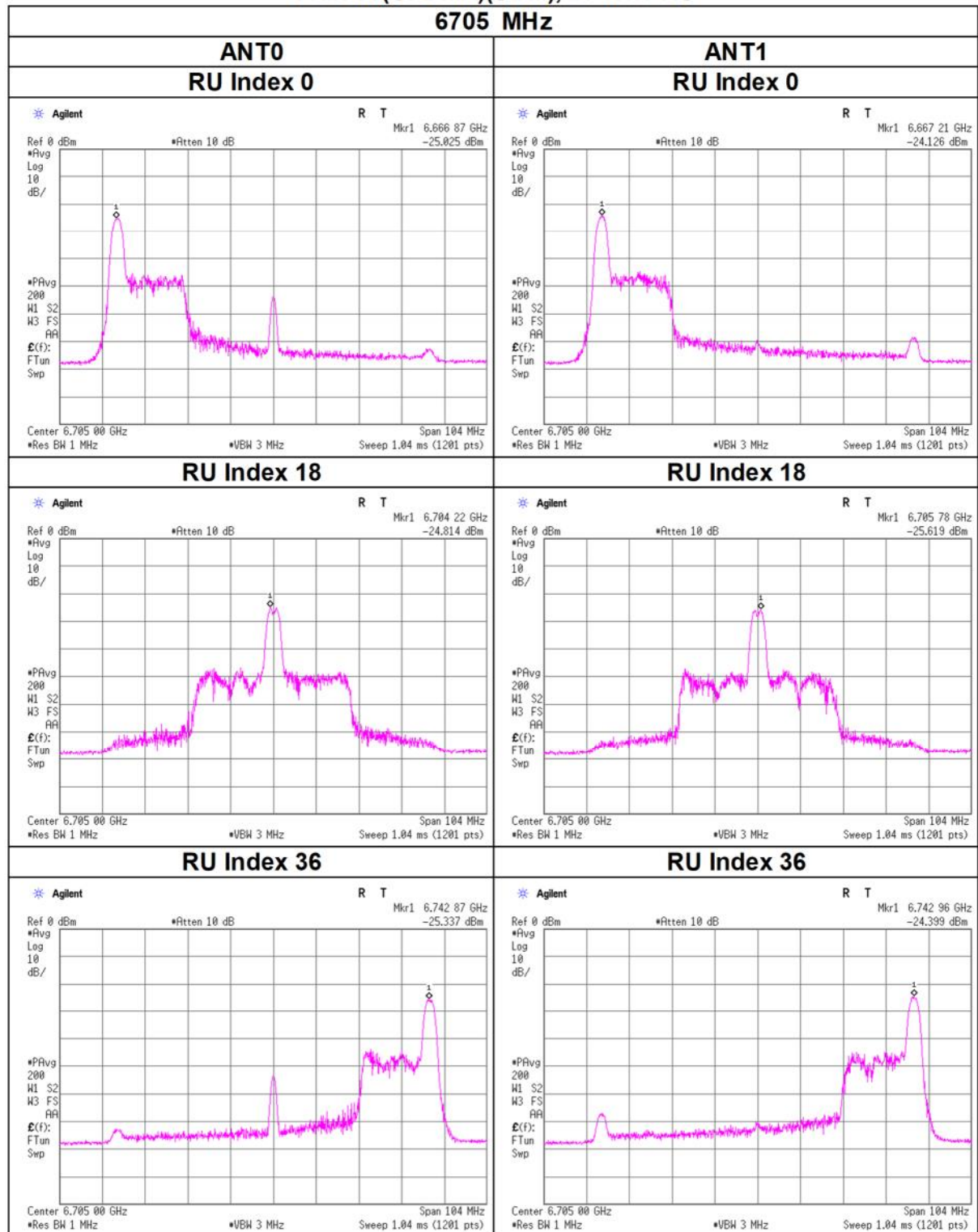
Maximum Power Spectral Density

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



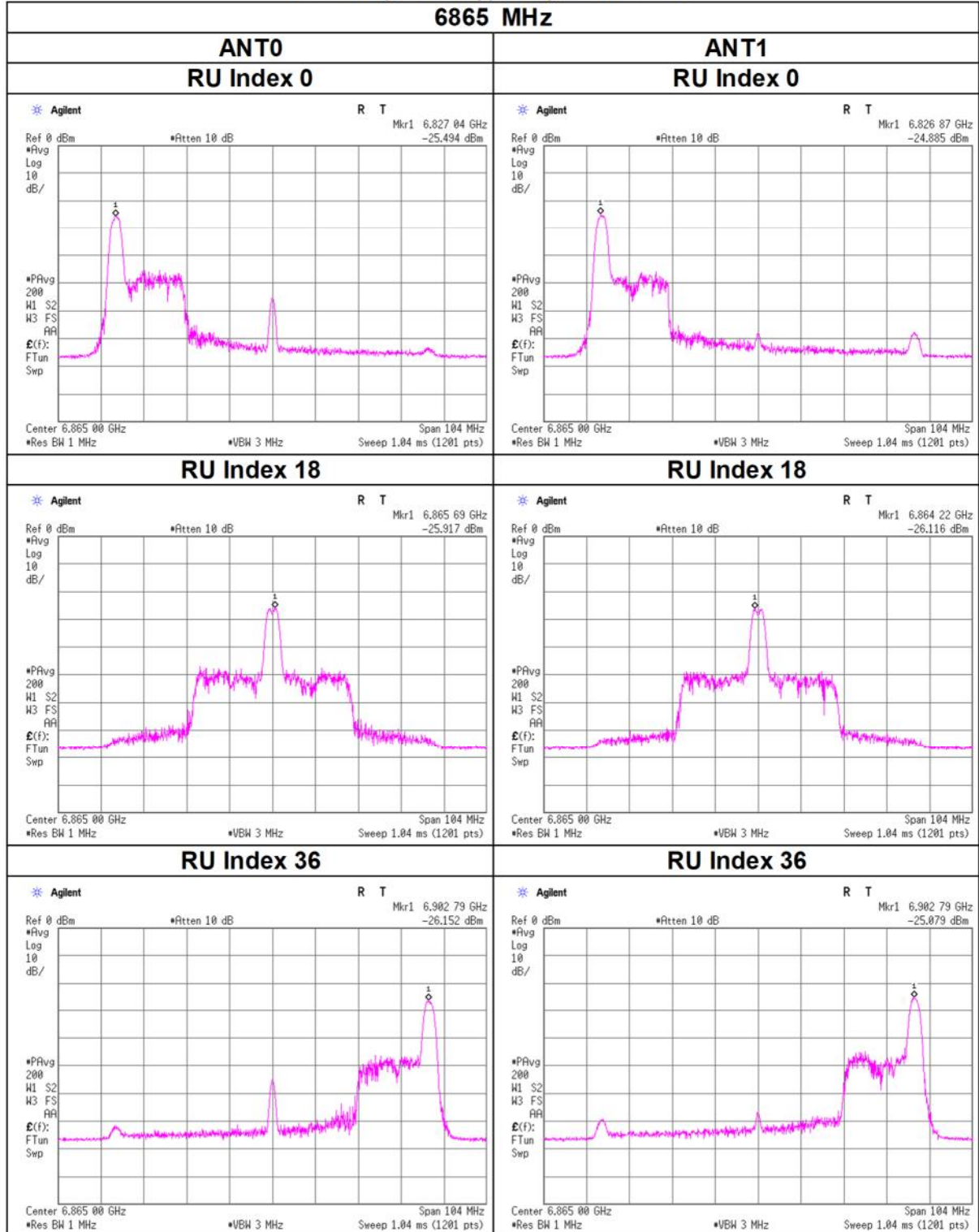
Maximum Power Spectral Density

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



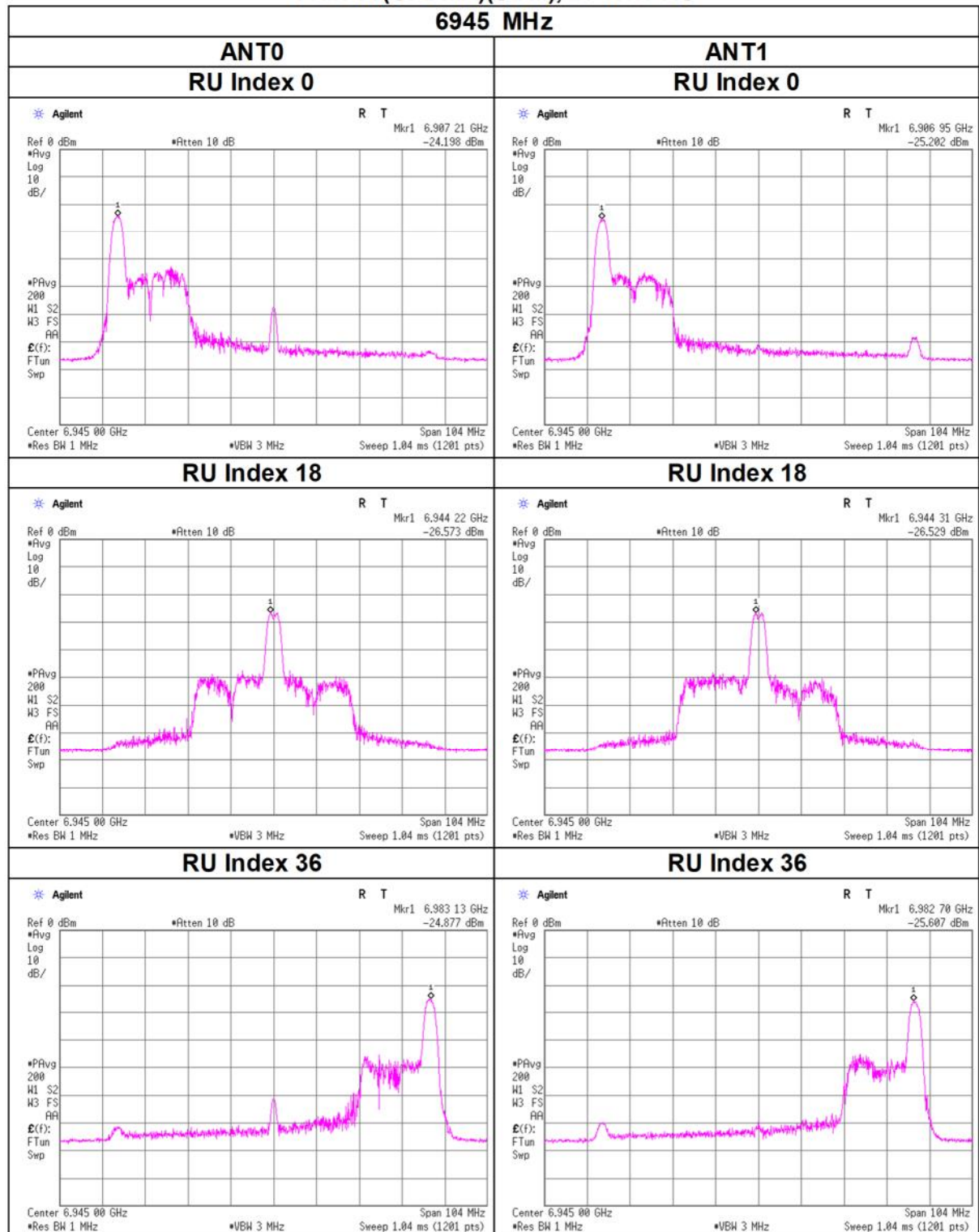
Maximum Power Spectral Density

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



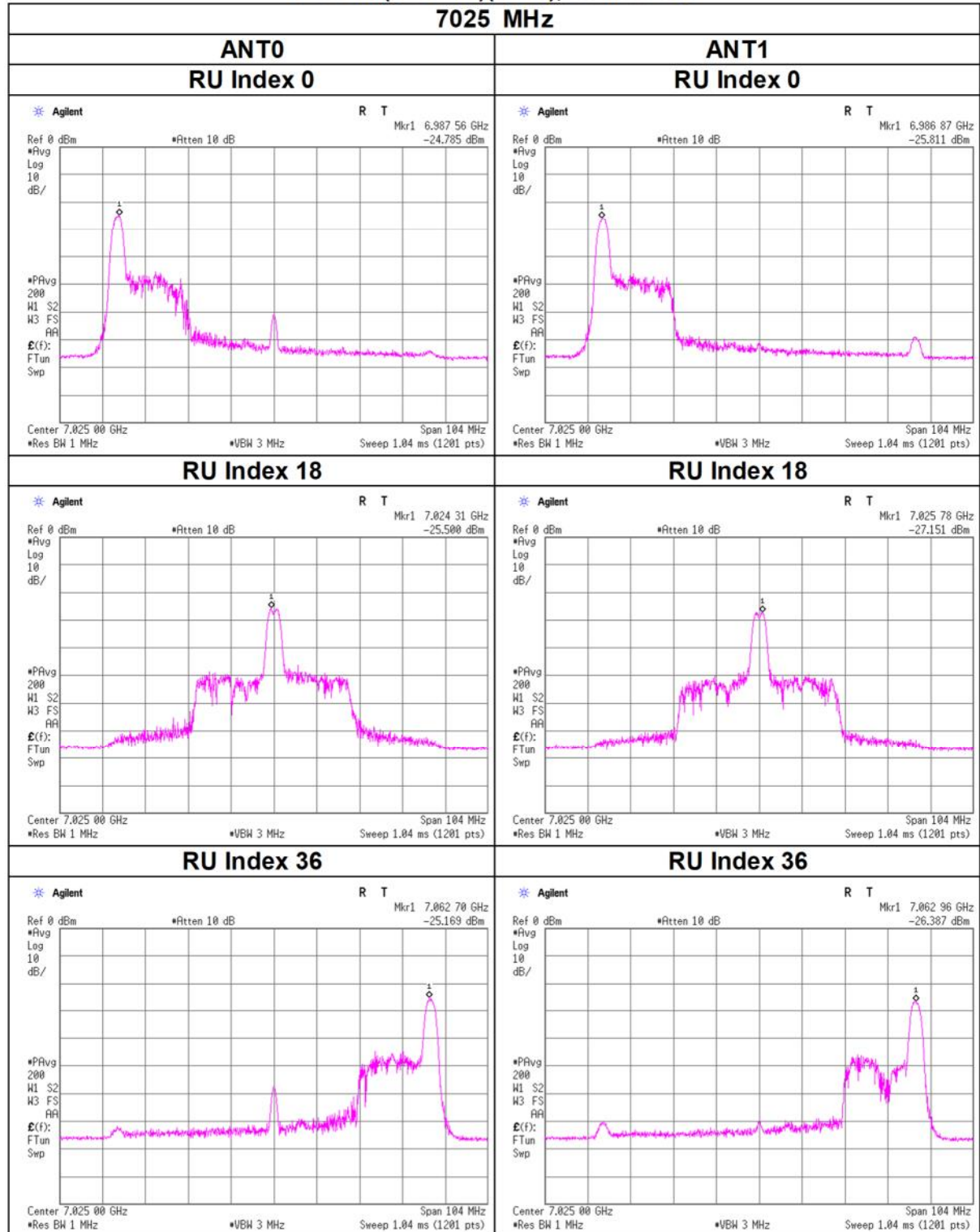
Maximum Power Spectral Density

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



Maximum Power Spectral Density

11ax-80(OFDMA)(SDM), 26-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) 26-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	0	0.04	0.05	0.09	-10.36	-	-	0.12	0.14	0.27	-5.73	-1.00	4.73
	18	0.04	0.05	0.08	-10.81	-	-	0.11	0.13	0.24	-6.18	-1.00	5.18
	36	0.04	0.05	0.08	-10.78	-	-	0.11	0.13	0.24	-6.15	-1.00	5.15
6225	0	0.05	0.05	0.10	-10.16	-	-	0.13	0.15	0.28	-5.53	-1.00	4.53
	18	0.03	0.05	0.08	-11.05	-	-	0.09	0.14	0.23	-6.42	-1.00	5.42
	36	0.04	0.05	0.09	-10.35	-	-	0.13	0.14	0.27	-5.72	-1.00	4.72
6385	0	0.05	0.06	0.11	-9.78	-	-	0.14	0.16	0.31	-5.15	-1.00	4.15
	18	0.04	0.05	0.08	-10.73	-	-	0.11	0.14	0.25	-6.10	-1.00	5.10
	36	0.05	0.05	0.10	-10.12	-	-	0.14	0.14	0.28	-5.49	-1.00	4.49
6465	0	0.05	0.06	0.11	-9.59	-	-	0.13	0.19	0.32	-4.96	-1.00	3.96
	18	0.04	0.06	0.09	-10.24	-	-	0.10	0.17	0.27	-5.61	-1.00	4.61
	36	0.04	0.07	0.11	-9.40	-	-	0.12	0.21	0.33	-4.77	-1.00	3.77

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	0	0.09	-27.03	3.27	9.98	4.63	-13.68	-9.05	-26.57	3.30	10.10	4.63	-13.09	-8.46
	18	0.09	-27.70	3.27	9.98	4.63	-14.36	-9.73	-26.83	3.30	10.10	4.63	-13.35	-8.72
	36	0.09	-27.50	3.27	9.98	4.63	-14.15	-9.52	-26.94	3.30	10.10	4.63	-13.46	-8.83
6225	0	0.09	-26.78	3.34	9.98	4.63	-13.36	-8.73	-26.55	3.36	10.10	4.63	-12.99	-8.36
	18	0.09	-28.38	3.34	9.98	4.63	-14.96	-10.33	-26.88	3.36	10.10	4.63	-13.32	-8.69
	36	0.09	-26.96	3.34	9.98	4.63	-13.55	-8.92	-26.73	3.36	10.10	4.63	-13.17	-8.54
6385	0	0.09	-26.57	3.39	9.99	4.63	-13.10	-8.47	-26.10	3.41	10.11	4.63	-12.49	-7.86
	18	0.09	-27.78	3.39	9.99	4.63	-14.32	-9.69	-26.83	3.41	10.11	4.63	-13.22	-8.59
	36	0.09	-26.59	3.39	9.99	4.63	-13.13	-8.50	-26.73	3.41	10.11	4.63	-13.13	-8.50
6465	0	0.09	-26.90	3.41	9.99	4.63	-13.42	-8.79	-25.55	3.43	10.11	4.63	-11.92	-7.29
	18	0.09	-28.00	3.41	9.99	4.63	-14.52	-9.89	-25.91	3.43	10.11	4.63	-12.28	-7.65
	36	0.09	-27.27	3.41	9.99	4.63	-13.79	-9.16	-25.00	3.43	10.11	4.63	-11.37	-6.74

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) 26-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	0	0.05	0.05	0.10	-10.09	-	-		0.12	0.11	0.23	-6.47	-1.00	5.47	
	18	0.04	0.05	0.09	-10.67	-	-		0.09	0.11	0.20	-7.05	-1.00	6.05	
	36	0.05	0.05	0.09	-10.26	-	-		0.11	0.11	0.22	-6.64	-1.00	5.64	
6625	0	0.04	0.05	0.08	-10.78	-	-		0.09	0.11	0.19	-7.16	-1.00	6.16	
	18	0.04	0.04	0.08	-10.71	-	-		0.10	0.10	0.20	-7.09	-1.00	6.09	
	36	0.04	0.04	0.09	-10.63	-	-		0.10	0.10	0.20	-7.01	-1.00	6.01	
6705	0	0.04	0.04	0.08	-10.82	-	-		0.09	0.10	0.19	-7.20	-1.00	6.20	
	18	0.03	0.03	0.07	-11.62	-	-		0.08	0.08	0.16	-8.00	-1.00	7.00	
	36	0.04	0.04	0.08	-11.05	-	-		0.08	0.10	0.18	-7.43	-1.00	6.43	
6865	0	0.03	0.04	0.07	-11.70	-	-		0.07	0.08	0.16	-8.08	-1.00	7.08	
	18	0.03	0.03	0.06	-12.49	-	-		0.07	0.06	0.13	-8.87	-1.00	7.87	
	36	0.03	0.04	0.07	-11.54	-	-		0.07	0.10	0.16	-7.92	-1.00	6.92	
6945	0	0.04	0.04	0.07	-11.27	-	-		0.09	0.08	0.17	-7.65	-1.00	6.65	
	18	0.03	0.03	0.06	-12.41	-	-		0.07	0.06	0.13	-8.79	-1.00	7.79	
	36	0.03	0.03	0.07	-11.71	-	-		0.08	0.08	0.16	-8.09	-1.00	7.09	
7025	0	0.04	0.03	0.07	-11.52	-	-		0.08	0.08	0.16	-7.90	-1.00	6.90	
	18	0.02	0.02	0.05	-13.08	-	-		0.06	0.06	0.11	-9.46	-1.00	8.46	
	36	0.03	0.03	0.06	-12.00	-	-		0.07	0.07	0.15	-8.38	-1.00	7.38	

Tested Frequency [MHz]	RU Index	ANT0							ANT1						
		Duty 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.	
		[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
6545	0	0.09	-26.43	3.43	9.99	3.62	-12.92	-9.30	-26.95	3.45	10.11	3.62	-13.29	-9.67	
	18	0.09	-27.76	3.43	9.99	3.62	-14.25	-10.63	-26.83	3.45	10.11	3.62	-13.18	-9.56	
	36	0.09	-26.76	3.43	9.99	3.62	-13.26	-9.64	-26.94	3.45	10.11	3.62	-13.28	-9.66	
6625	0	0.09	-27.75	3.45	9.99	3.62	-14.22	-10.60	-27.07	3.47	10.11	3.62	-13.39	-9.77	
	18	0.09	-27.26	3.45	9.99	3.62	-13.73	-10.11	-27.39	3.47	10.11	3.62	-13.71	-10.09	
	36	0.09	-27.27	3.45	9.99	3.62	-13.74	-10.12	-27.23	3.47	10.11	3.62	-13.55	-9.93	
6705	0	0.09	-27.70	3.47	9.99	3.62	-14.15	-10.53	-27.25	3.50	10.12	3.62	-13.54	-9.92	
	18	0.09	-28.20	3.47	9.99	3.62	-14.64	-11.02	-28.32	3.50	10.12	3.62	-14.62	-11.00	
	36	0.09	-27.92	3.47	9.99	3.62	-14.36	-10.74	-27.49	3.50	10.12	3.62	-13.79	-10.17	
6865	0	0.09	-28.69	3.52	9.99	3.62	-15.09	-11.47	-28.11	3.54	10.12	3.62	-14.36	-10.74	
	18	0.09	-29.02	3.52	9.99	3.62	-15.42	-11.80	-29.33	3.54	10.12	3.62	-15.58	-11.96	
	36	0.09	-29.05	3.52	9.99	3.62	-15.45	-11.83	-27.56	3.54	10.12	3.62	-13.82	-10.20	
6945	0	0.09	-27.70	3.54	9.99	3.62	-14.07	-10.45	-28.28	3.56	10.12	3.62	-14.50	-10.88	
	18	0.09	-28.60	3.54	9.99	3.62	-14.97	-11.35	-29.70	3.56	10.12	3.62	-15.93	-12.31	
	36	0.09	-28.33	3.54	9.99	3.62	-14.71	-11.09	-28.52	3.56	10.12	3.62	-14.74	-11.12	
7025	0	0.09	-28.06	3.56	9.99	3.62	-14.41	-10.79	-28.45	3.58	10.12	3.62	-14.66	-11.04	
	18	0.09	-29.71	3.56	9.99	3.62	-16.07	-12.45	-29.90	3.58	10.12	3.62	-16.11	-12.49	
	36	0.09	-28.76	3.56	9.99	3.62	-15.12	-11.50	-28.70	3.58	10.12	3.62	-14.90	-11.28	

Sample Calculation:

PSD: Power Spectral Density

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

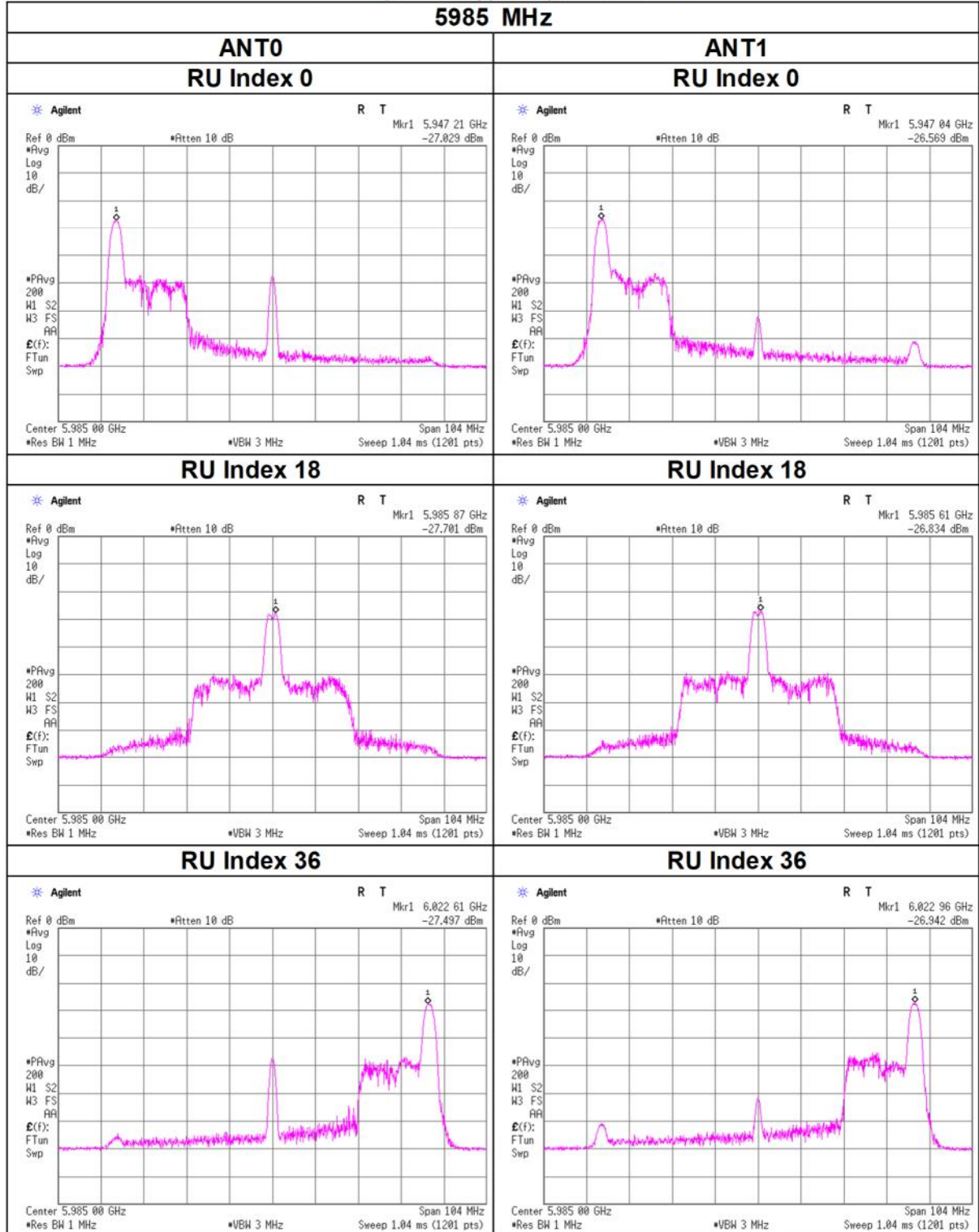
PSD (e.i.r.p.) Result = PSD (Conducted) Result + Directional Gain

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

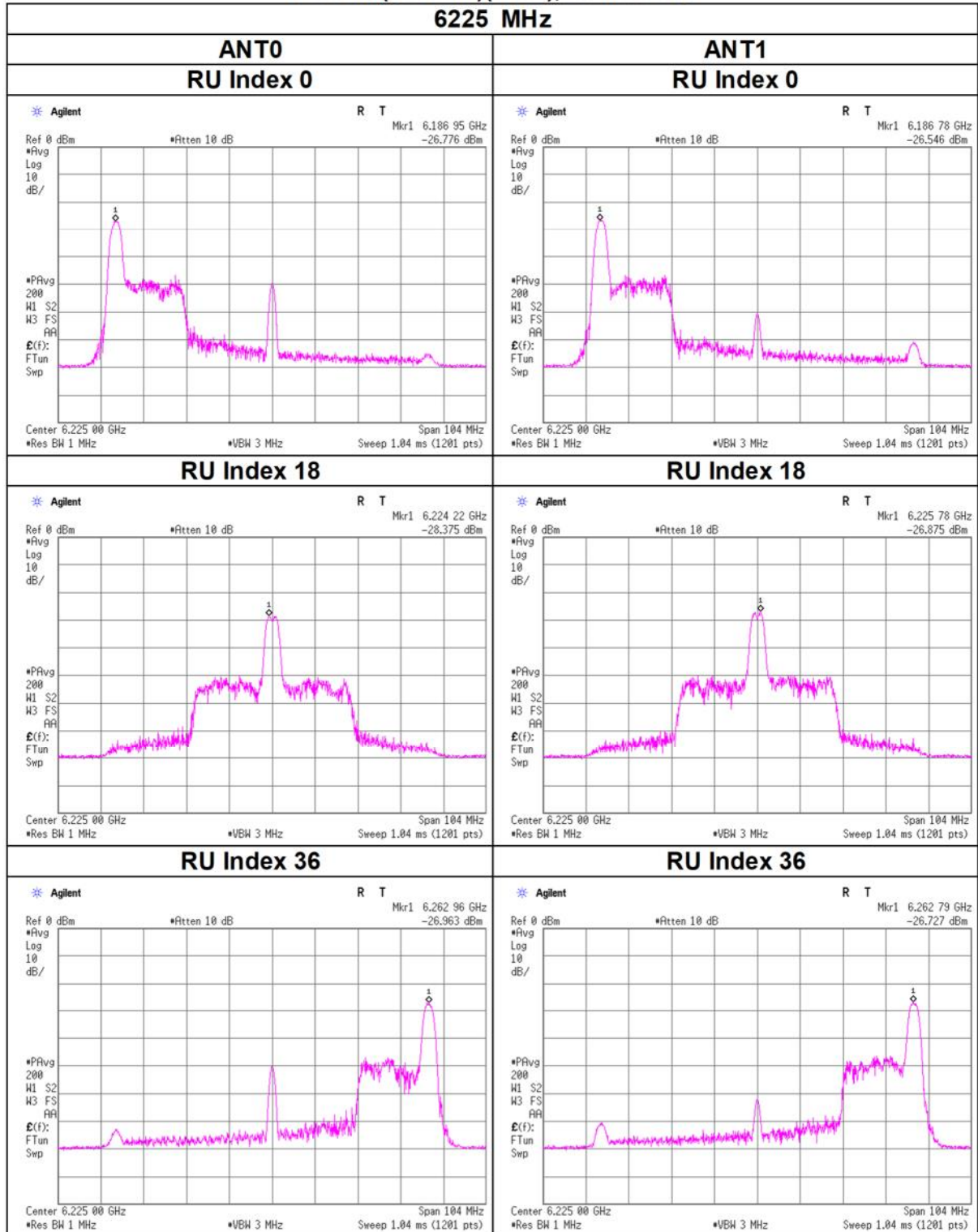
Maximum Power Spectral Density

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



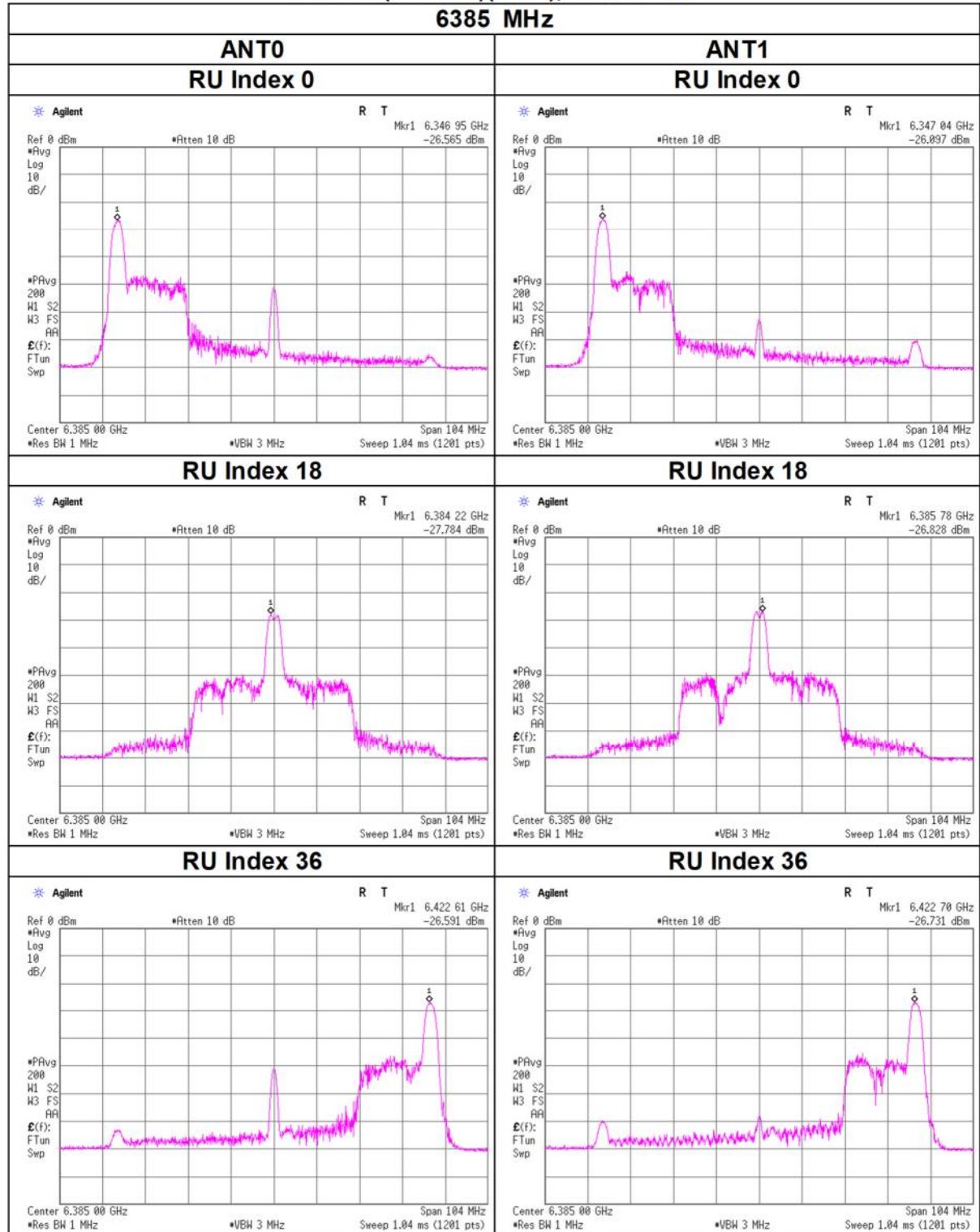
Maximum Power Spectral Density

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



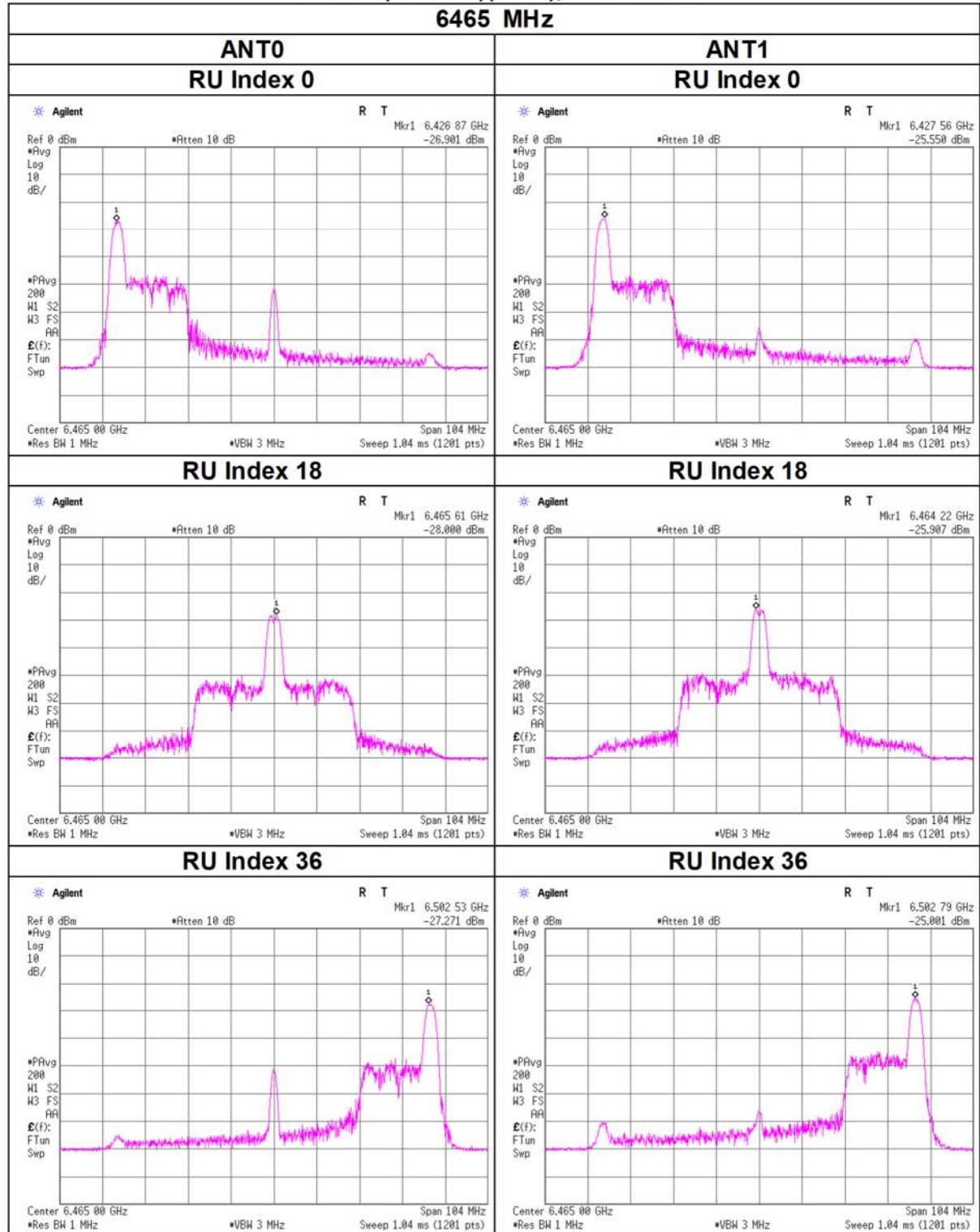
Maximum Power Spectral Density

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



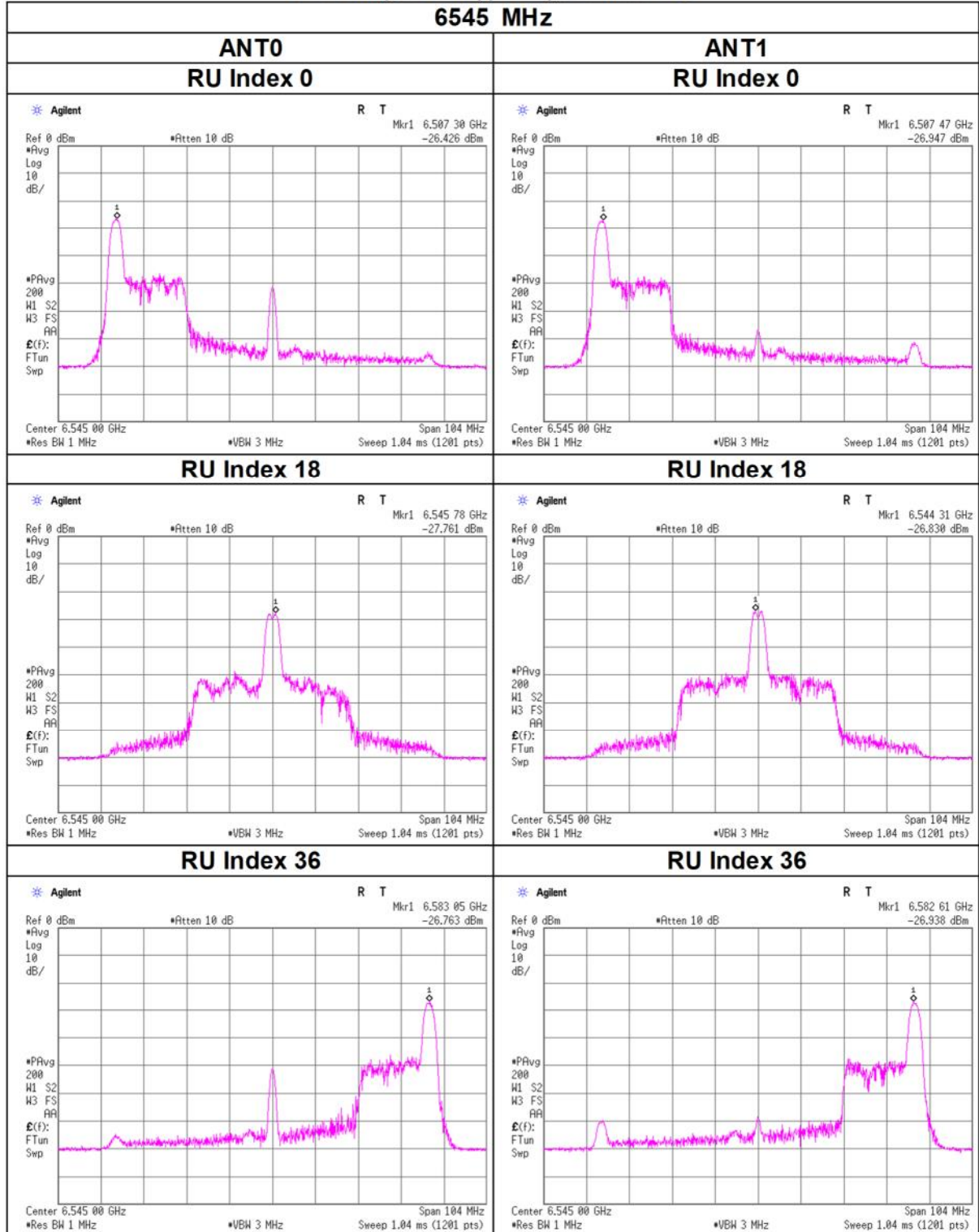
Maximum Power Spectral Density

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



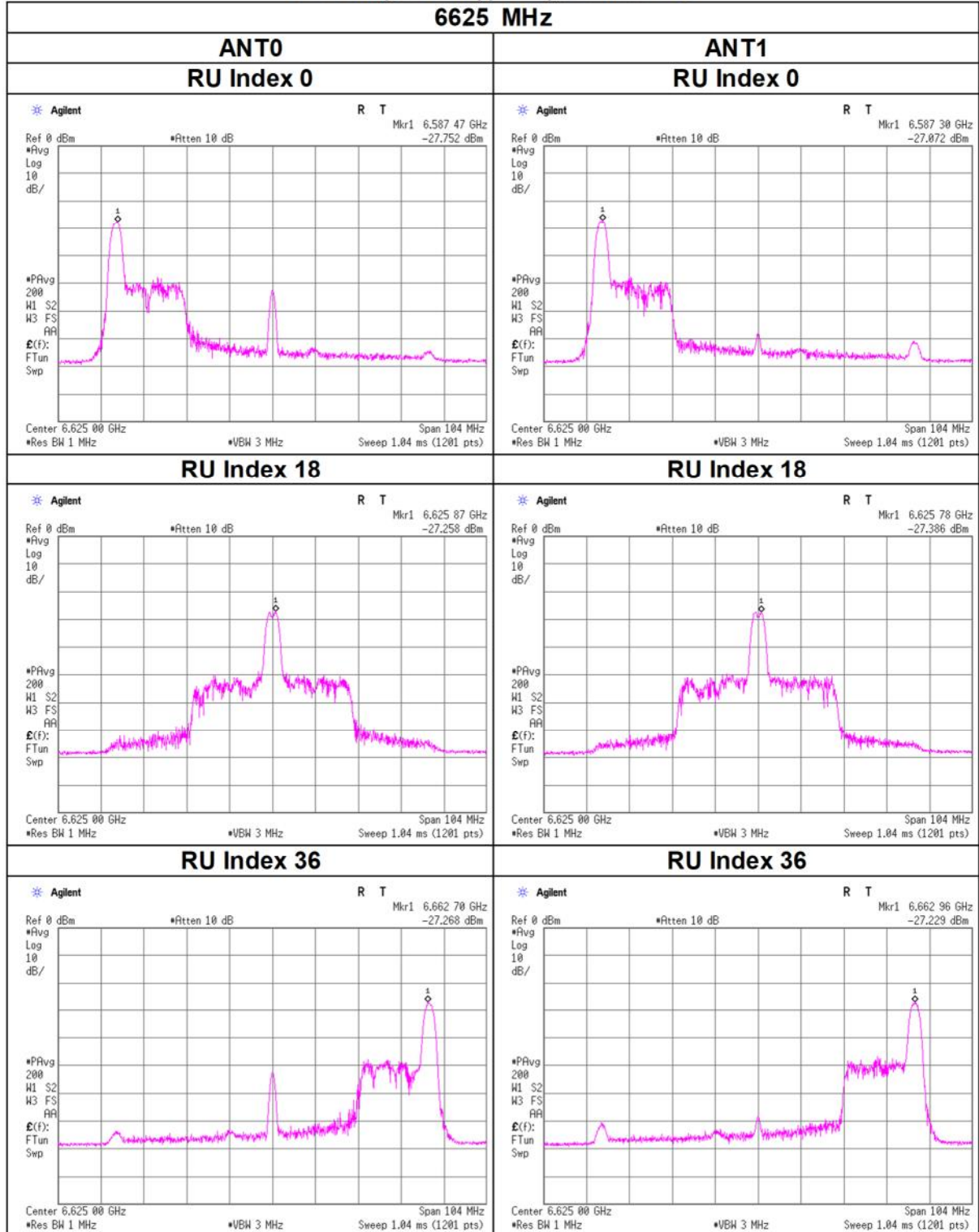
Maximum Power Spectral Density

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



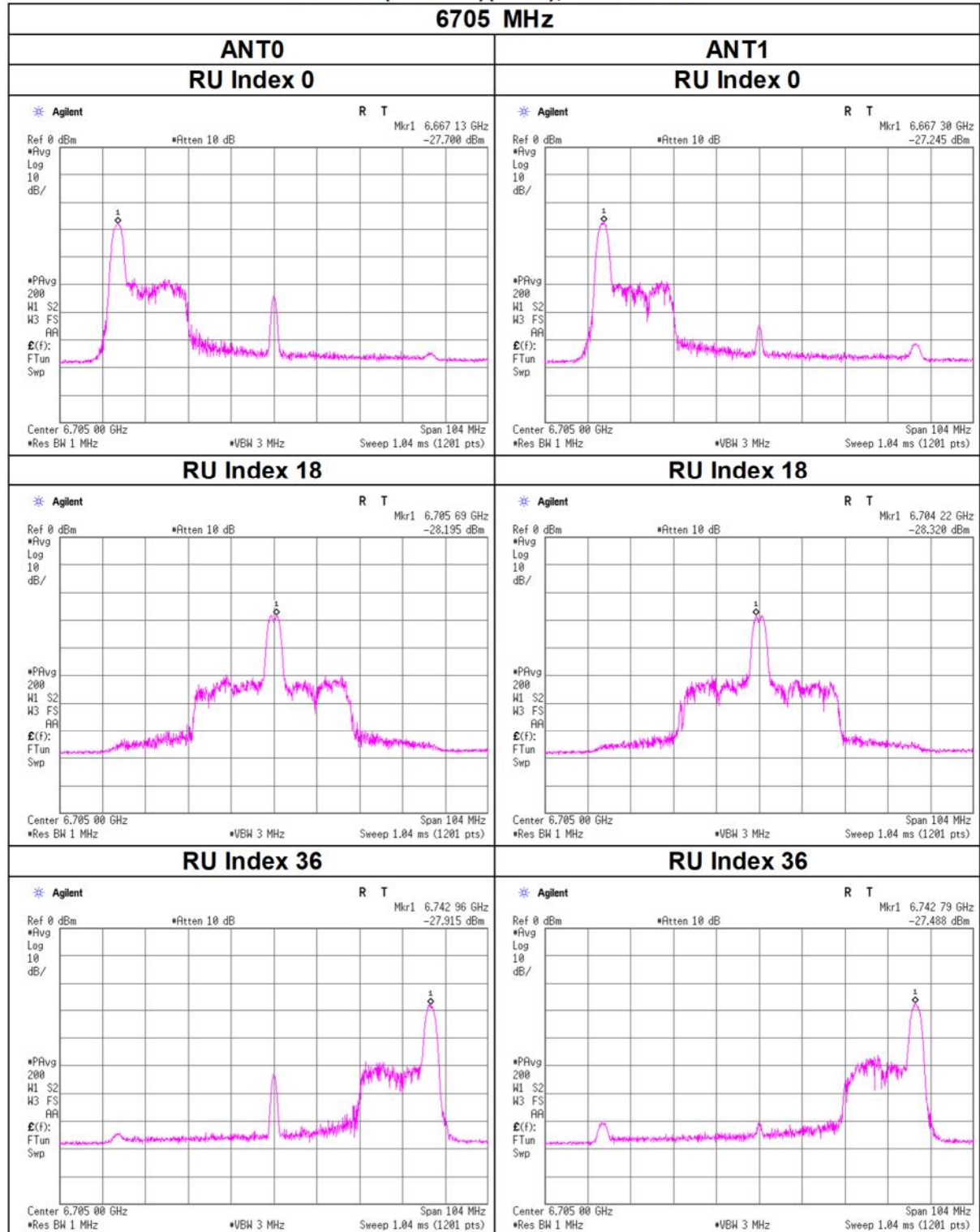
Maximum Power Spectral Density

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



Maximum Power Spectral Density

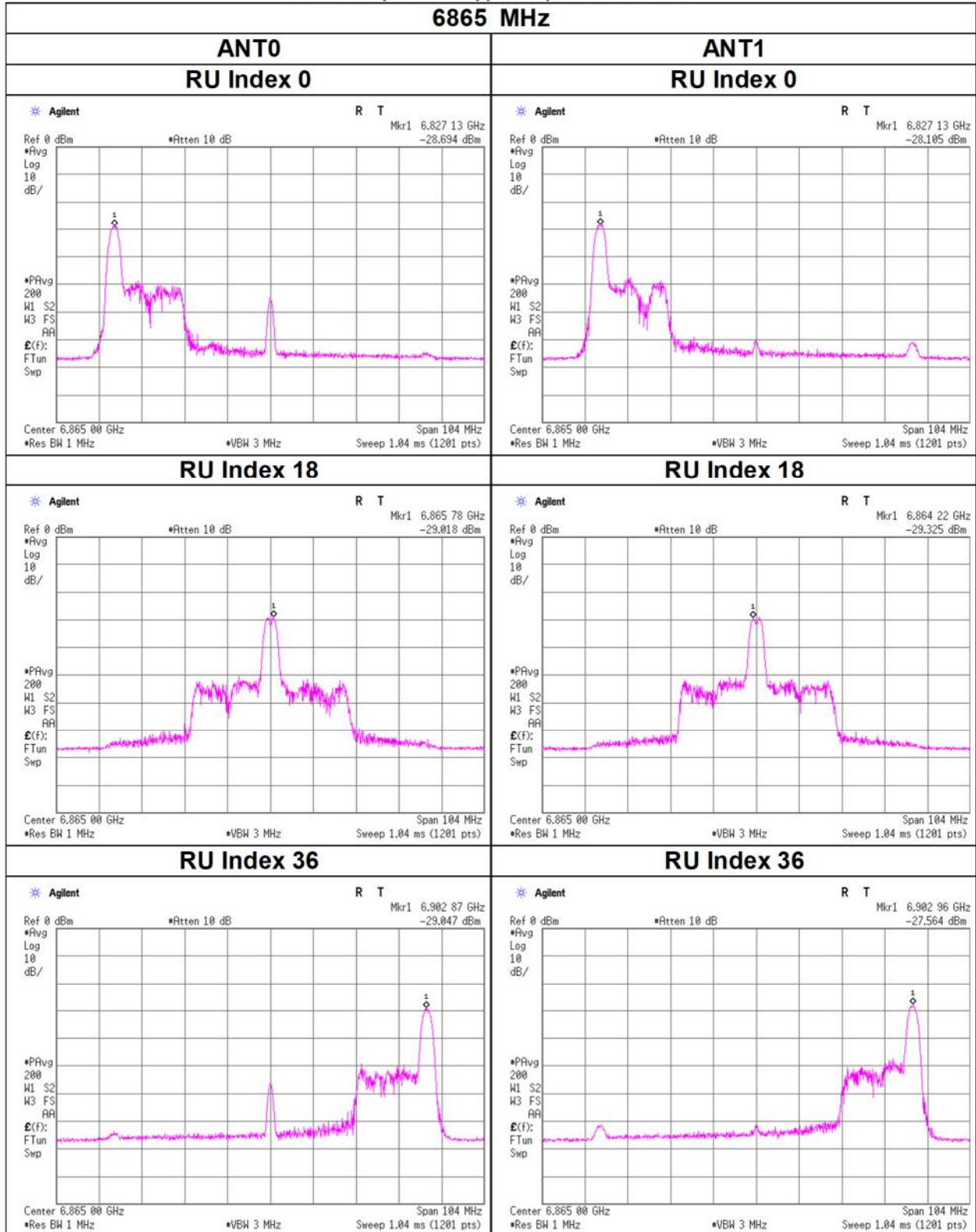
11ax-80(OFDMA)(CDD), 26-tone RU



Maximum Power Spectral Density

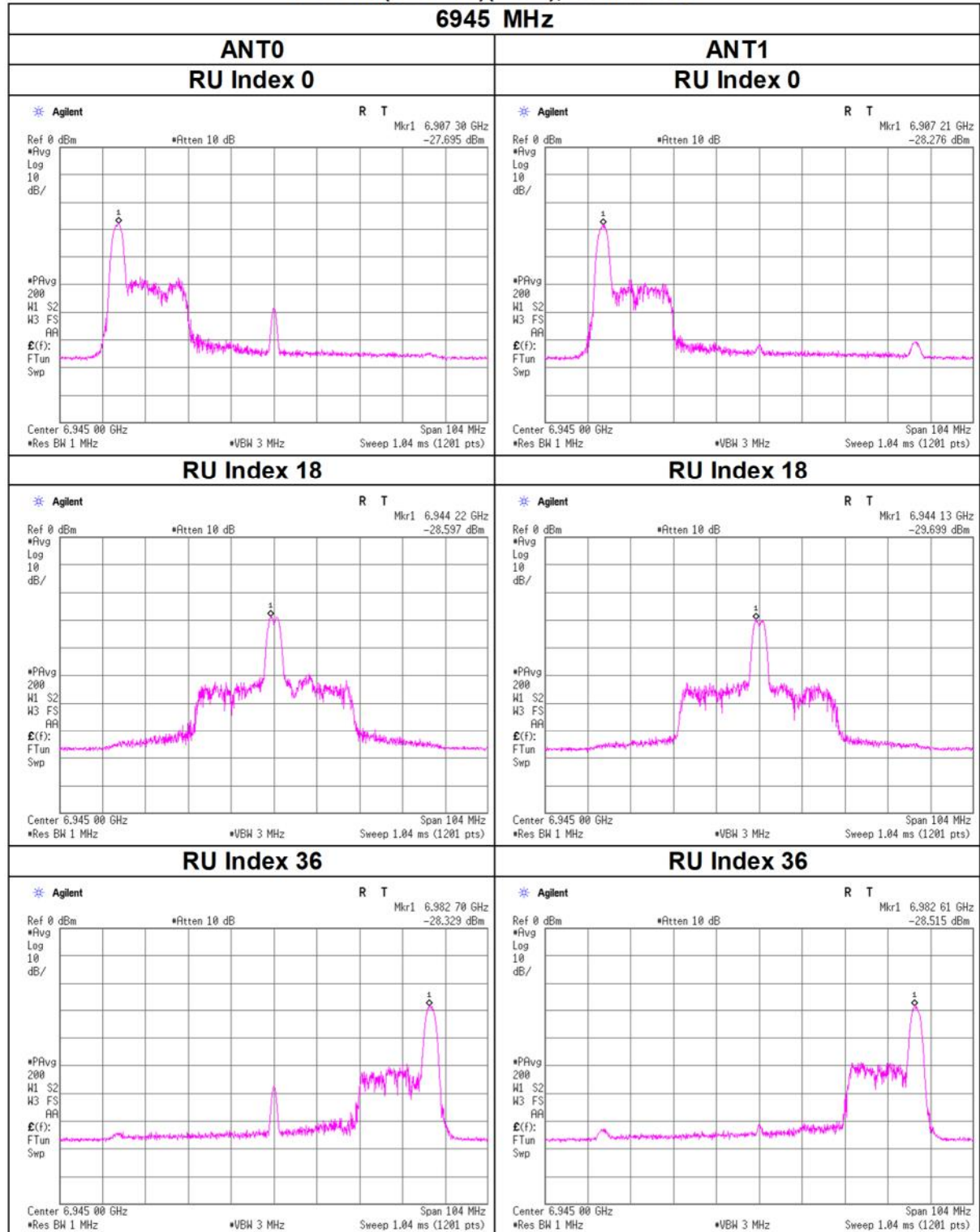
11ax-80(OFDMA)(CDD), 26-tone RU

6865 MHz



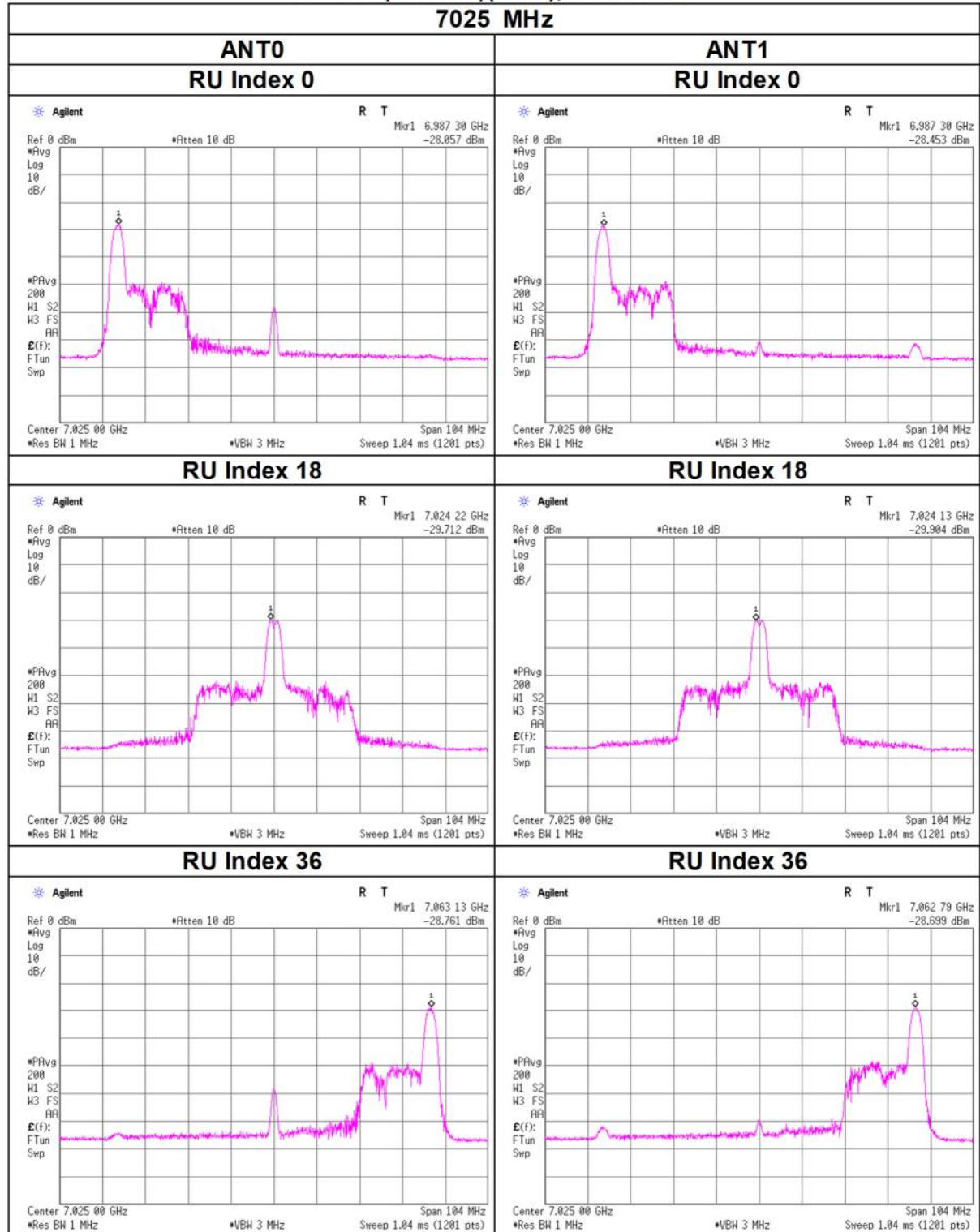
Maximum Power Spectral Density

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



Maximum Power Spectral Density

11ax-80(OFDMA)(CDD), 26-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) 52-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	37	0.07	0.07	0.14	-8.44	-	-	0.10	0.11	0.21	-6.83	-1.00	5.83
	44	0.07	0.08	0.15	-8.23	-	-	0.10	0.12	0.22	-6.62	-1.00	5.62
	52	0.07	0.09	0.16	-8.00	-	-	0.11	0.12	0.23	-6.39	-1.00	5.39
6225	37	0.07	0.09	0.16	-7.98	-	-	0.10	0.13	0.23	-6.37	-1.00	5.37
	44	0.07	0.09	0.16	-7.98	-	-	0.11	0.12	0.23	-6.37	-1.00	5.37
	52	0.07	0.08	0.15	-8.27	-	-	0.10	0.12	0.22	-6.66	-1.00	5.66
6385	37	0.08	0.09	0.17	-7.65	-	-	0.11	0.14	0.25	-6.04	-1.00	5.04
	44	0.08	0.09	0.17	-7.74	-	-	0.11	0.13	0.24	-6.13	-1.00	5.13
	52	0.08	0.08	0.16	-7.87	-	-	0.12	0.12	0.24	-6.26	-1.00	5.26
6465	37	0.08	0.13	0.21	-6.72	-	-	0.12	0.19	0.31	-5.11	-1.00	4.11
	44	0.08	0.11	0.20	-7.03	-	-	0.12	0.17	0.29	-5.42	-1.00	4.42
	52	0.07	0.12	0.19	-7.25	-	-	0.10	0.17	0.27	-5.64	-1.00	4.64

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]		[dBi]	[dBm/MHz]	[dBm/MHz]
5985	37	0.08	-24.90	3.27	9.98	1.61	-11.57	-9.96	-24.80	3.30	10.10	1.61	-11.33	-9.72
	44	0.08	-24.91	3.27	9.98	1.61	-11.57	-9.96	-24.41	3.30	10.10	1.61	-10.94	-9.33
	52	0.08	-24.69	3.27	9.98	1.61	-11.36	-9.75	-24.17	3.30	10.10	1.61	-10.69	-9.08
6225	37	0.08	-24.83	3.34	9.98	1.61	-11.43	-9.82	-24.14	3.36	10.10	1.61	-10.60	-8.99
	44	0.08	-24.75	3.34	9.98	1.61	-11.35	-9.74	-24.20	3.36	10.10	1.61	-10.65	-9.04
	52	0.08	-25.04	3.34	9.98	1.61	-11.64	-10.03	-24.49	3.36	10.10	1.61	-10.94	-9.33
6385	37	0.08	-24.58	3.39	9.99	1.61	-11.13	-9.52	-23.84	3.41	10.11	1.61	-10.24	-8.63
	44	0.08	-24.52	3.39	9.99	1.61	-11.07	-9.46	-24.05	3.41	10.11	1.61	-10.46	-8.85
	52	0.08	-24.34	3.39	9.99	1.61	-10.89	-9.28	-24.47	3.41	10.11	1.61	-10.88	-9.27
6465	37	0.08	-24.35	3.41	9.99	1.61	-10.88	-9.27	-22.45	3.43	10.11	1.61	-8.82	-7.21
	44	0.08	-24.26	3.41	9.99	1.61	-10.79	-9.18	-23.03	3.43	10.11	1.61	-9.41	-7.80
	52	0.08	-25.10	3.41	9.99	1.61	-11.62	-10.01	-22.85	3.43	10.11	1.61	-9.23	-7.62

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) 52-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	37	0.10	0.09	0.19	-7.25	-	-	0.12	0.10	0.22	-6.65	-1.00	5.65
	44	0.12	0.11	0.23	-6.41	-	-	0.14	0.12	0.26	-5.81	-1.00	4.81
	52	0.10	0.09	0.19	-7.26	-	-	0.12	0.10	0.22	-6.66	-1.00	5.66
6625	37	0.09	0.09	0.17	-7.58	-	-	0.10	0.10	0.20	-6.98	-1.00	5.98
	44	0.09	0.10	0.19	-7.11	-	-	0.11	0.12	0.22	-6.51	-1.00	5.51
	52	0.09	0.09	0.18	-7.56	-	-	0.10	0.10	0.20	-6.96	-1.00	5.96
6705	37	0.07	0.10	0.17	-7.71	-	-	0.08	0.11	0.19	-7.11	-1.00	6.11
	44	0.07	0.09	0.17	-7.79	-	-	0.09	0.10	0.19	-7.19	-1.00	6.19
	52	0.07	0.09	0.16	-8.01	-	-	0.08	0.10	0.18	-7.41	-1.00	6.41
6865	37	0.06	0.08	0.14	-8.58	-	-	0.07	0.09	0.16	-7.98	-1.00	6.98
	44	0.07	0.07	0.14	-8.52	-	-	0.08	0.08	0.16	-7.92	-1.00	6.92
	52	0.06	0.08	0.14	-8.53	-	-	0.06	0.10	0.16	-7.93	-1.00	6.93
6945	37	0.09	0.08	0.17	-7.66	-	-	0.11	0.09	0.20	-7.06	-1.00	6.06
	44	0.09	0.08	0.17	-7.75	-	-	0.10	0.09	0.19	-7.15	-1.00	6.15
	52	0.08	0.08	0.16	-8.07	-	-	0.09	0.09	0.18	-7.47	-1.00	6.47
7025	37	0.08	0.07	0.16	-8.07	-	-	0.10	0.08	0.18	-7.47	-1.00	6.47
	44	0.09	0.07	0.15	-8.21	-	-	0.10	0.08	0.17	-7.61	-1.00	6.61
	52	0.09	0.06	0.15	-8.24	-	-	0.10	0.07	0.17	-7.64	-1.00	6.64

		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	37	0.08	-23.47	3.43	9.99	0.60	-9.97	-9.37	-24.21	3.45	10.11	0.60	-10.57	-9.97	
	44	0.08	-22.62	3.43	9.99	0.60	-9.12	-8.52	-23.38	3.45	10.11	0.60	-9.74	-9.14	
	52	0.08	-23.39	3.43	9.99	0.60	-9.89	-9.29	-24.34	3.45	10.11	0.60	-10.70	-10.10	
6625	37	0.08	-24.07	3.45	9.99	0.60	-10.54	-9.94	-24.30	3.47	10.11	0.60	-10.63	-10.03	
	44	0.08	-23.87	3.45	9.99	0.60	-10.35	-9.75	-23.58	3.47	10.11	0.60	-9.91	-9.31	
	52	0.08	-23.99	3.45	9.99	0.60	-10.47	-9.87	-24.34	3.47	10.11	0.60	-10.68	-10.08	
6705	37	0.08	-24.94	3.47	9.99	0.60	-11.39	-10.79	-23.83	3.50	10.12	0.60	-10.14	-9.54	
	44	0.08	-24.80	3.47	9.99	0.60	-11.26	-10.66	-24.09	3.50	10.12	0.60	-10.40	-9.80	
	52	0.08	-25.10	3.47	9.99	0.60	-11.56	-10.96	-24.23	3.50	10.12	0.60	-10.54	-9.94	
6865	37	0.08	-25.80	3.52	9.99	0.60	-12.21	-11.61	-24.78	3.54	10.12	0.60	-11.05	-10.45	
	44	0.08	-25.18	3.52	9.99	0.60	-11.59	-10.99	-25.21	3.54	10.12	0.60	-11.47	-10.87	
	52	0.08	-26.15	3.52	9.99	0.60	-12.56	-11.96	-24.46	3.54	10.12	0.60	-10.72	-10.12	
6945	37	0.08	-23.86	3.54	9.99	0.60	-10.24	-9.64	-24.91	3.56	10.12	0.60	-11.15	-10.55	
	44	0.08	-24.17	3.54	9.99	0.60	-10.56	-9.96	-24.74	3.56	10.12	0.60	-10.98	-10.38	
	52	0.08	-24.81	3.54	9.99	0.60	-11.19	-10.59	-24.74	3.56	10.12	0.60	-10.98	-10.38	
7025	37	0.08	-24.40	3.56	9.99	0.60	-10.77	-10.17	-25.20	3.58	10.12	0.60	-11.41	-10.81	
	44	0.08	-24.32	3.56	9.99	0.60	-10.68	-10.08	-25.62	3.58	10.12	0.60	-11.83	-11.23	
	52	0.08	-24.12	3.56	9.99	0.60	-10.49	-9.89	-25.97	3.58	10.12	0.60	-12.18	-11.58	

Sample Calculation:

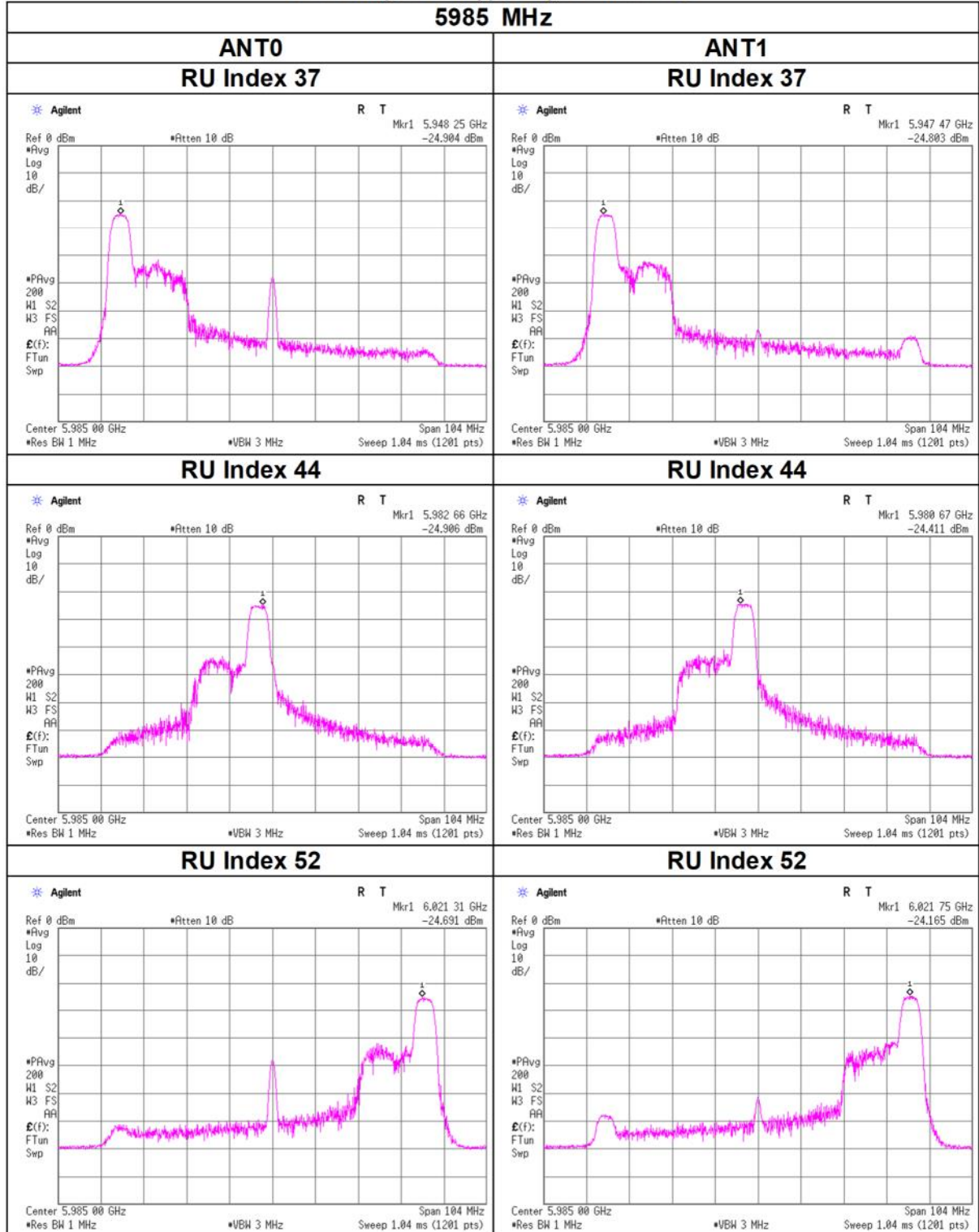
PSD: Power Spectral Density

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

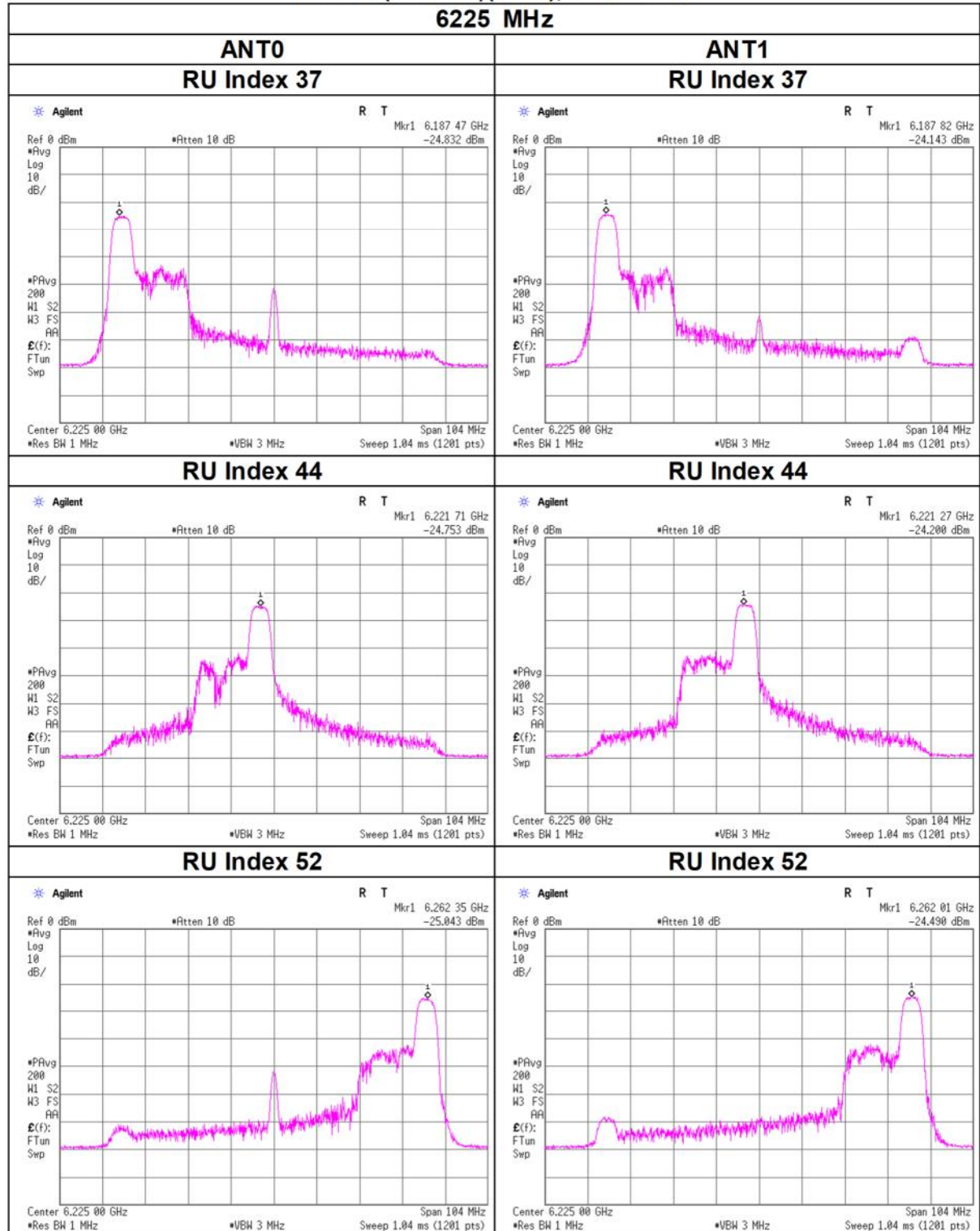
Maximum Power Spectral Density

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



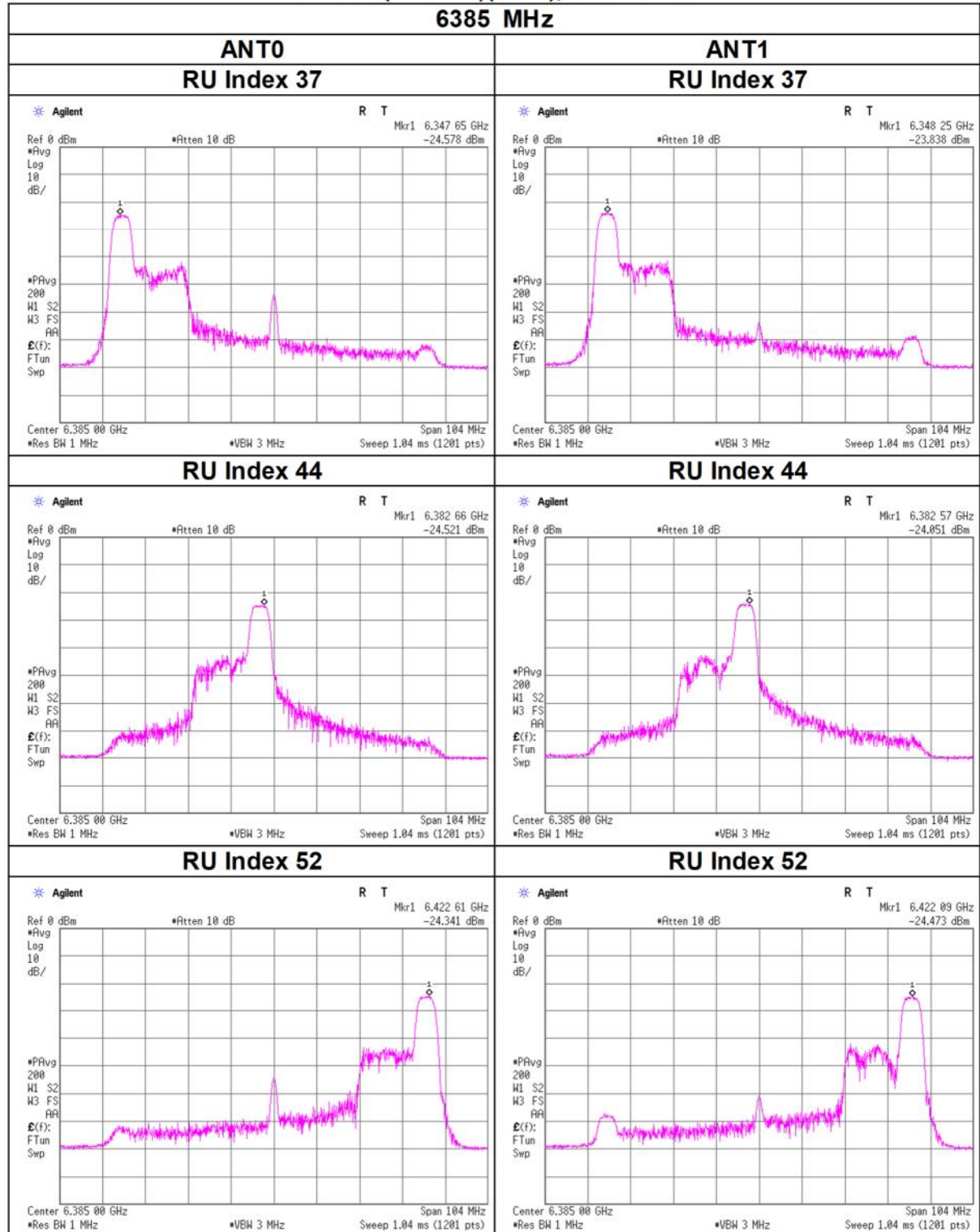
Maximum Power Spectral Density

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



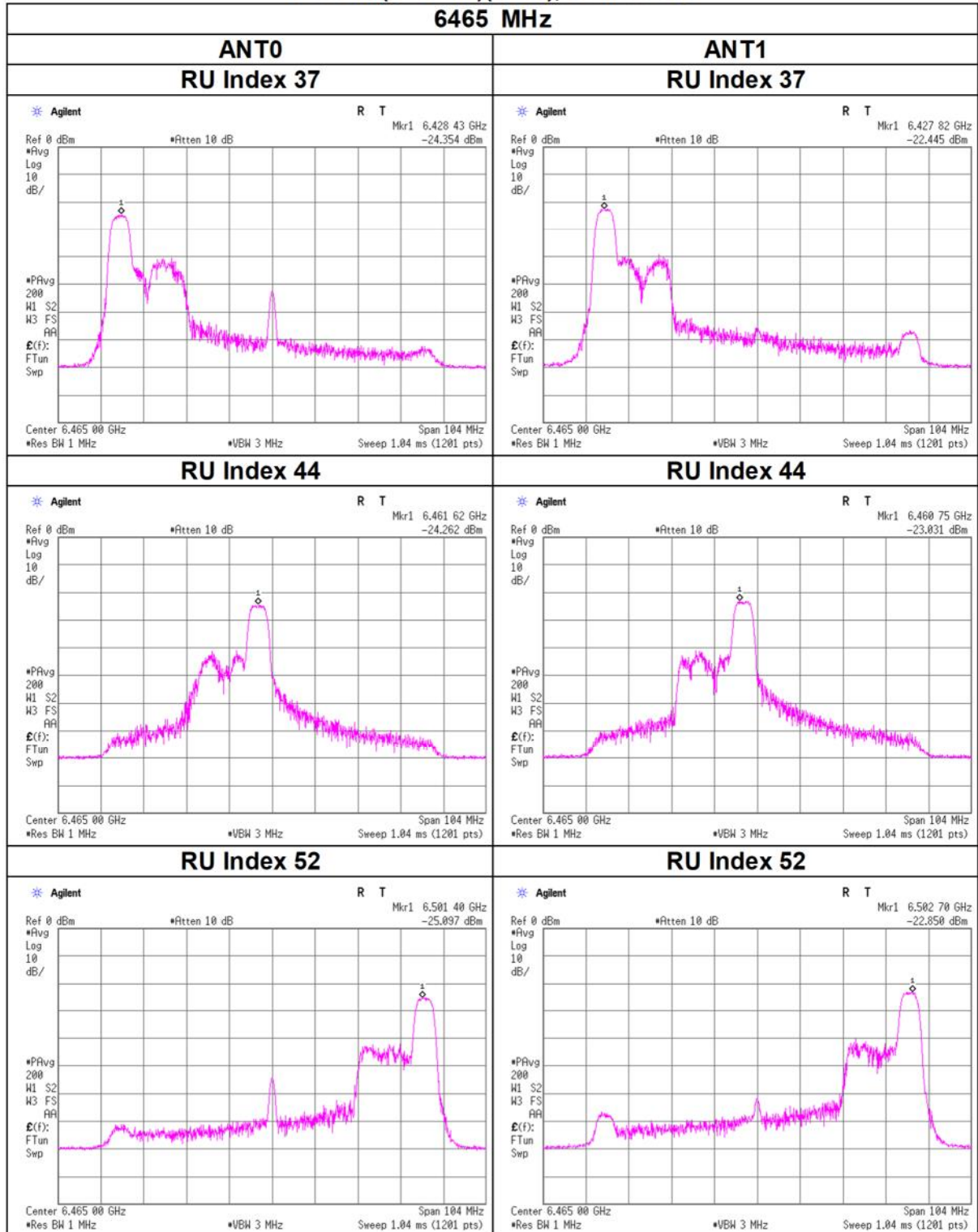
Maximum Power Spectral Density

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

