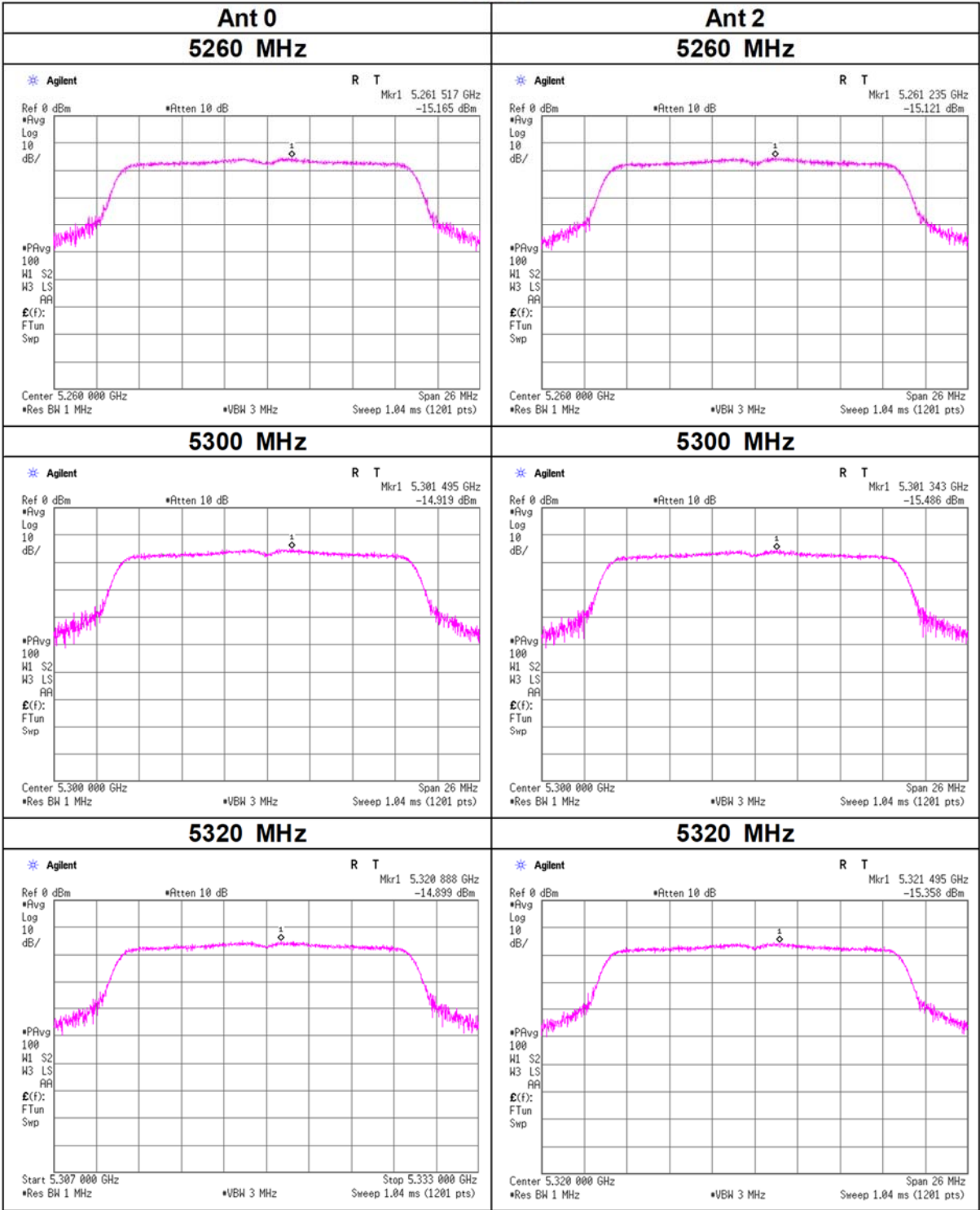


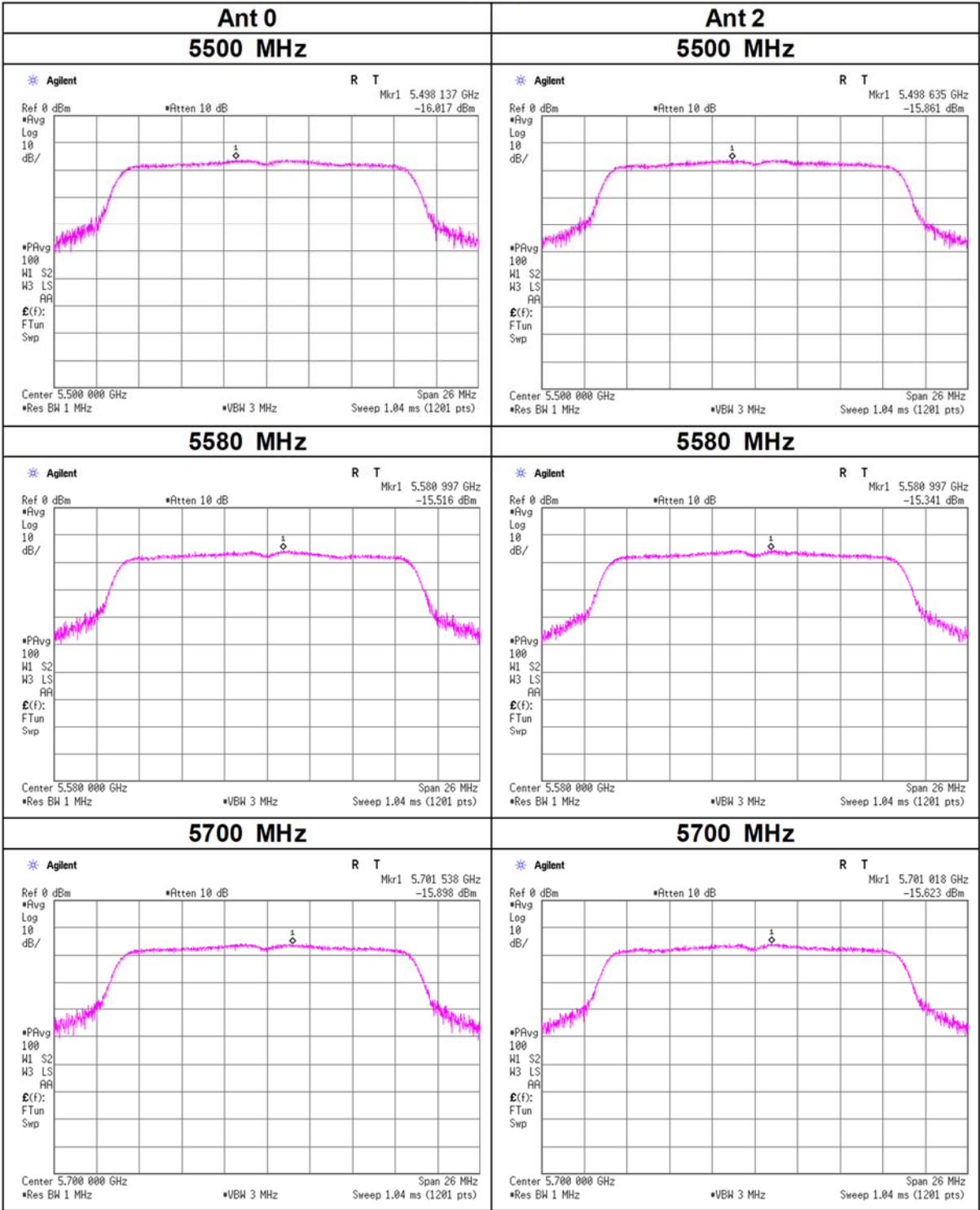
Maximum Power Spectral Density

11n-20



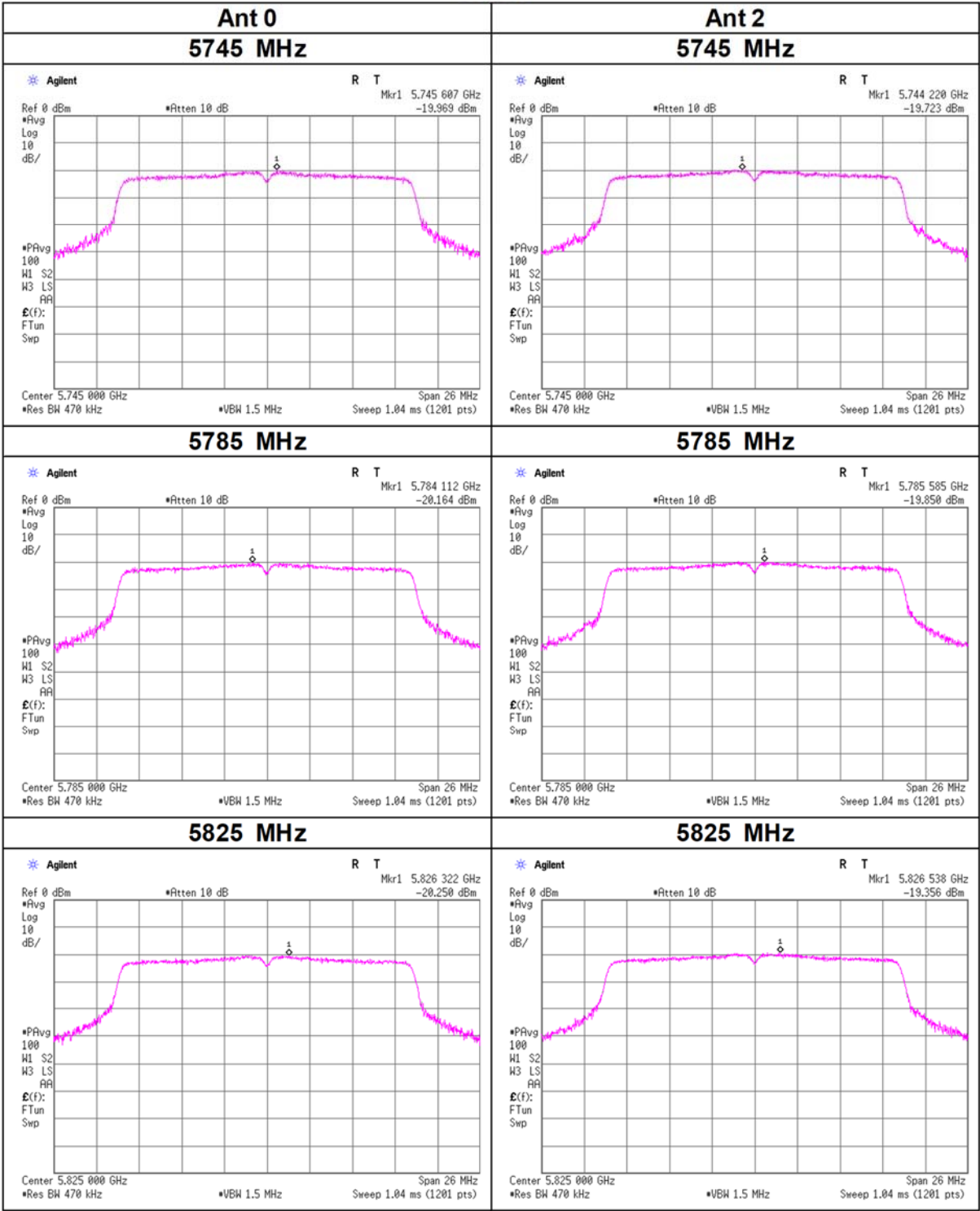
Maximum Power Spectral Density

11n-20



Maximum Power Spectral Density

11n-20



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room
Date February 20, 2024
Temperature / Humidity 24 deg. C / 45 % RH
Engineer Kazuya Noda
Mode Tx

Ant 0 + Ant 2 11ac-20 (SDM) Applied limit: 15.407, Client

Tested Frequency [MHz]	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
	Ant 0 [mW/MHz]	Ant 2 [mW/MHz]	Sum [mW/MHz]				Ant 0 [mW/MHz]	Ant 2 [mW/MHz]	Sum [mW/MHz]			
5180	0.57	0.73	1.30	1.15	11.00	9.85	0.67	1.87	2.54	4.05	17.00	12.95
5220	0.66	0.77	1.42	1.54	11.00	9.46	0.77	1.96	2.73	4.37	17.00	12.63
5240	0.64	0.75	1.39	1.44	11.00	9.56	0.76	1.91	2.67	4.26	17.00	12.74
5260	0.63	0.69	1.32	1.19	11.00	9.81	0.74	1.75	2.49	3.96	17.00	13.04
5300	0.64	0.71	1.35	1.30	11.00	9.70	0.75	1.82	2.57	4.10	17.00	12.90
5320	0.64	0.65	1.28	1.09	11.00	9.91	0.75	1.65	2.40	3.80	17.00	13.20
5500	0.54	0.66	1.19	0.77	11.00	10.23	0.63	1.68	2.31	3.63	17.00	13.37
5580	0.63	0.70	1.33	1.24	11.00	9.76	0.74	1.78	2.52	4.02	17.00	12.98
5700	0.59	0.67	1.26	0.99	11.00	10.01	0.69	1.70	2.40	3.79	17.00	13.21
5745	0.23	0.30	0.53	-2.78	30.00	32.78	0.27	0.77	1.03	0.14	36.00	35.86
5785	0.23	0.28	0.50	-2.97	30.00	32.97	0.26	0.71	0.98	-0.10	36.00	36.10
5825	0.22	0.35	0.57	-2.45	30.00	32.45	0.26	0.89	1.15	0.60	36.00	35.40

			Ant 0						Ant 2					
Tested Frequency	Duty Factor	RBW Conversion 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0.64	-	-16.04	2.95	10.01	0.70	-2.44	-1.74	-14.94	2.95	10.00	4.07	-1.35	2.72
5220	0.64	-	-15.44	2.95	10.01	0.70	-1.84	-1.14	-14.73	2.95	10.00	4.07	-1.14	2.93
5240	0.64	-	-15.51	2.95	10.01	0.70	-1.91	-1.21	-14.84	2.95	10.00	4.07	-1.25	2.82
5260	0.64	-	-15.61	2.95	10.01	0.70	-2.01	-1.31	-15.24	2.96	10.00	4.07	-1.64	2.43
5300	0.64	-	-15.58	2.96	10.01	0.70	-1.96	-1.26	-15.07	2.96	10.00	4.07	-1.47	2.60
5320	0.64	-	-15.58	2.96	10.01	0.70	-1.96	-1.26	-15.49	2.96	10.00	4.07	-1.89	2.18
5500	0.64	-	-16.33	2.98	10.01	0.70	-2.70	-2.00	-15.46	2.98	10.01	4.07	-1.83	2.24
5580	0.64	-	-15.62	2.98	10.01	0.70	-1.99	-1.29	-15.20	2.98	10.01	4.07	-1.57	2.50
5700	0.64	-	-15.93	2.99	10.01	0.70	-2.29	-1.59	-15.40	2.99	10.01	4.07	-1.76	2.31
5745	0.64	0.27	-20.38	3.00	10.01	0.70	-6.46	-5.76	-19.15	3.00	10.02	4.07	-5.22	-1.15
5785	0.64	0.27	-20.40	3.00	10.01	0.70	-6.48	-5.78	-19.46	3.00	10.02	4.07	-5.53	-1.46
5825	0.64	0.27	-20.49	3.00	10.01	0.70	-6.57	-5.87	-18.50	3.00	10.02	4.07	-4.57	-0.50

Sample Calculation:

PSD: Power Spectral Density

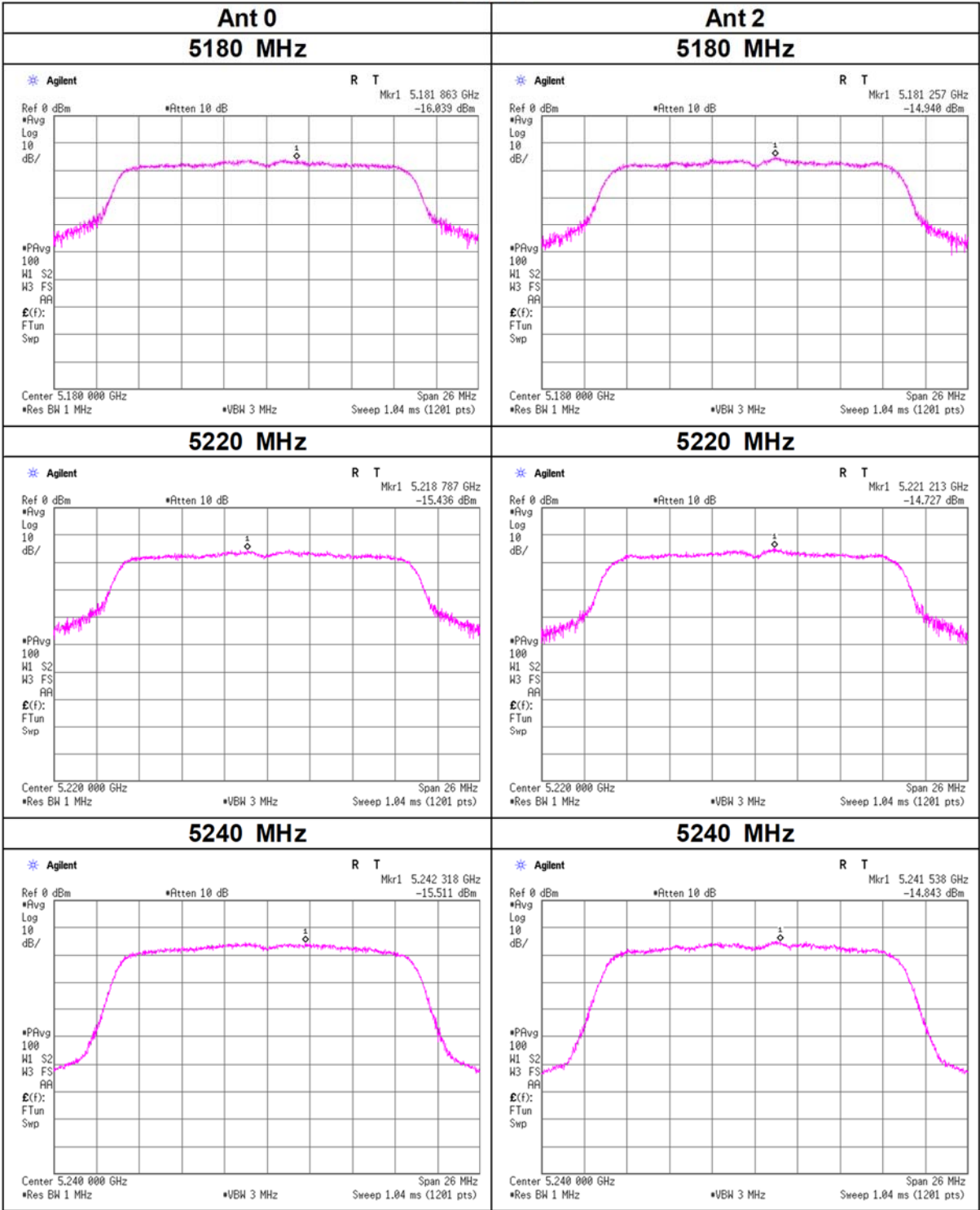
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

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

RBW Conversion Factor = $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

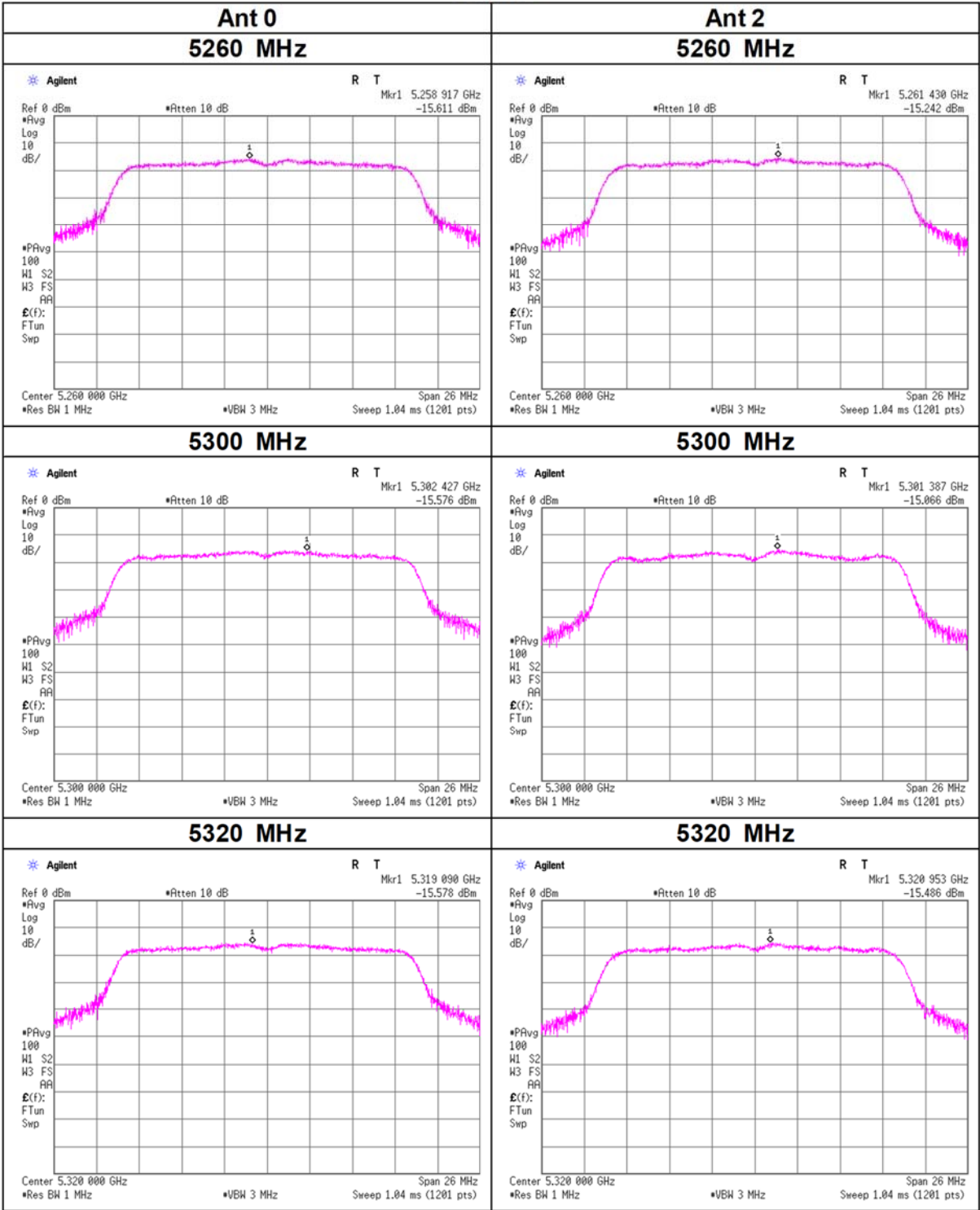
Maximum Power Spectral Density

11ac-20



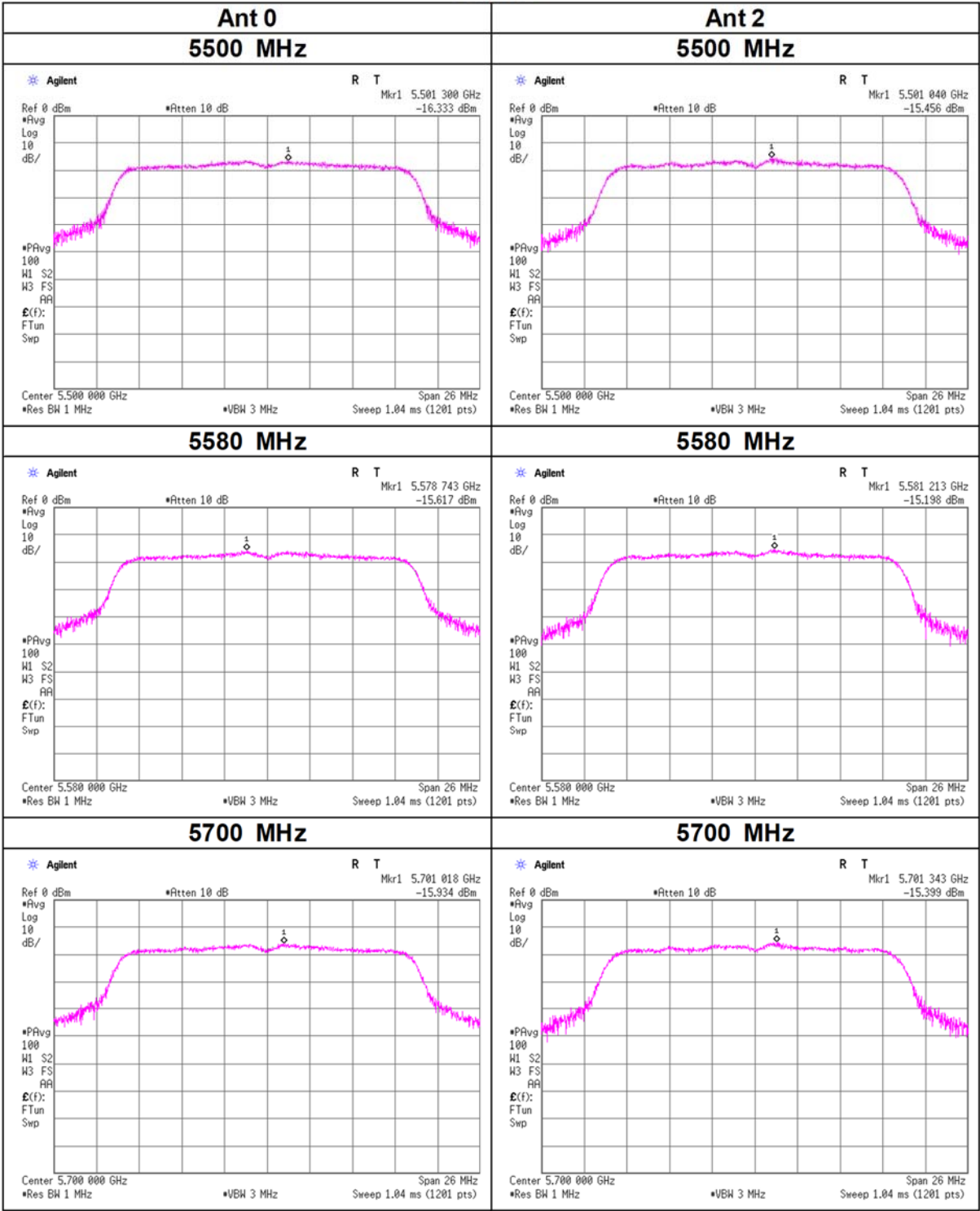
Maximum Power Spectral Density

11ac-20



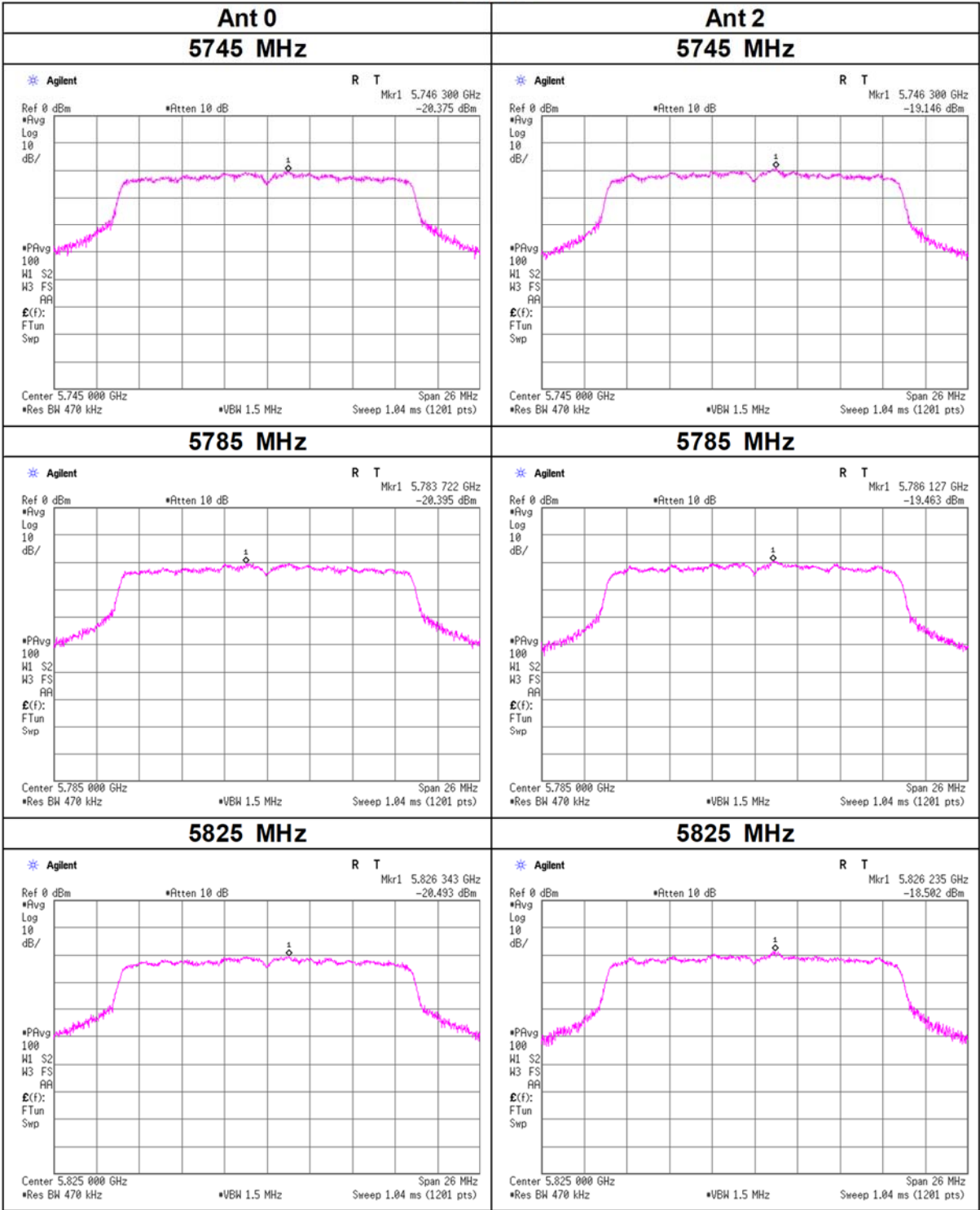
Maximum Power Spectral Density

11ac-20



Maximum Power Spectral Density

11ac-20



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room
Date February 21, 2024
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Kazuya Noda
Mode Tx

Ant 0 + Ant 2 11ax-20 (OFDM)(SDM) Applied limit: 15.407, Client

Tested Frequency	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
[MHz]	Ant 0	Ant 2	Sum				Ant 0	Ant 2	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5180	0.59	0.64	1.23	0.91	11.00	10.09	0.69	1.64	2.34	3.69	17.00	13.31
5220	0.60	0.53	1.13	0.53	11.00	10.47	0.70	1.36	2.06	3.14	17.00	13.86
5240	0.66	0.55	1.20	0.81	11.00	10.19	0.77	1.39	2.17	3.36	17.00	13.64
5260	0.54	0.63	1.18	0.71	11.00	10.29	0.64	1.62	2.26	3.54	17.00	13.46
5300	0.62	0.57	1.19	0.75	11.00	10.25	0.73	1.44	2.18	3.38	17.00	13.62
5320	0.61	0.64	1.26	1.00	11.00	10.00	0.72	1.64	2.36	3.74	17.00	13.26
5500	0.54	0.64	1.18	0.73	11.00	10.27	0.64	1.63	2.27	3.56	17.00	13.44
5580	0.53	0.61	1.14	0.59	11.00	10.41	0.63	1.56	2.19	3.40	17.00	13.60
5700	0.52	0.47	1.00	-0.01	11.00	11.01	0.62	1.21	1.83	2.62	17.00	14.38
5745	0.26	0.21	0.47	-3.30	30.00	33.30	0.30	0.54	0.84	-0.75	36.00	36.75
5785	0.24	0.24	0.48	-3.15	30.00	33.15	0.28	0.62	0.90	-0.45	36.00	36.45
5825	0.26	0.26	0.51	-2.89	30.00	32.89	0.30	0.66	0.96	-0.19	36.00	36.19

Ant 0								Ant 2							
Tested Frequency	Duty Factor	RBW Conversion Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Reading	Cable Loss	Atten. Loss
[MHz]	[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]
5180	1.42	-	-16.66	2.95	10.01	0.70	-2.29	-1.59	-16.28	2.95	10.00	4.07	-1.91	2.16	
5220	1.42	-	-16.61	2.95	10.01	0.70	-2.23	-1.53	-17.10	2.95	10.00	4.07	-2.73	1.34	
5240	1.42	-	-16.19	2.95	10.01	0.70	-1.82	-1.12	-16.99	2.95	10.00	4.07	-2.63	1.44	
5260	1.42	-	-17.02	2.95	10.01	0.70	-2.64	-1.94	-16.36	2.96	10.00	4.07	-1.98	2.09	
5300	1.42	-	-16.44	2.96	10.01	0.70	-2.05	-1.35	-16.86	2.96	10.00	4.07	-2.48	1.59	
5320	1.42	-	-16.50	2.96	10.01	0.70	-2.11	-1.41	-16.29	2.96	10.00	4.07	-1.92	2.15	
5500	1.42	-	-17.05	2.98	10.01	0.70	-2.64	-1.94	-16.35	2.98	10.01	4.07	-1.94	2.13	
5580	1.42	-	-17.14	2.98	10.01	0.70	-2.73	-2.03	-16.54	2.98	10.01	4.07	-2.13	1.94	
5700	1.42	-	-17.22	2.99	10.01	0.70	-2.80	-2.10	-17.65	2.99	10.01	4.07	-3.24	0.83	
5745	1.42	0.27	-20.62	3.00	10.01	0.70	-5.93	-5.23	-21.44	3.00	10.02	4.07	-6.73	-2.66	
5785	1.42	0.27	-20.85	3.00	10.01	0.70	-6.15	-5.45	-20.87	3.00	10.02	4.07	-6.17	-2.10	
5825	1.42	0.27	-20.60	3.00	10.01	0.70	-5.90	-5.20	-20.60	3.00	10.02	4.07	-5.90	-1.83	

Sample Calculation:

PSD: Power Spectral Density

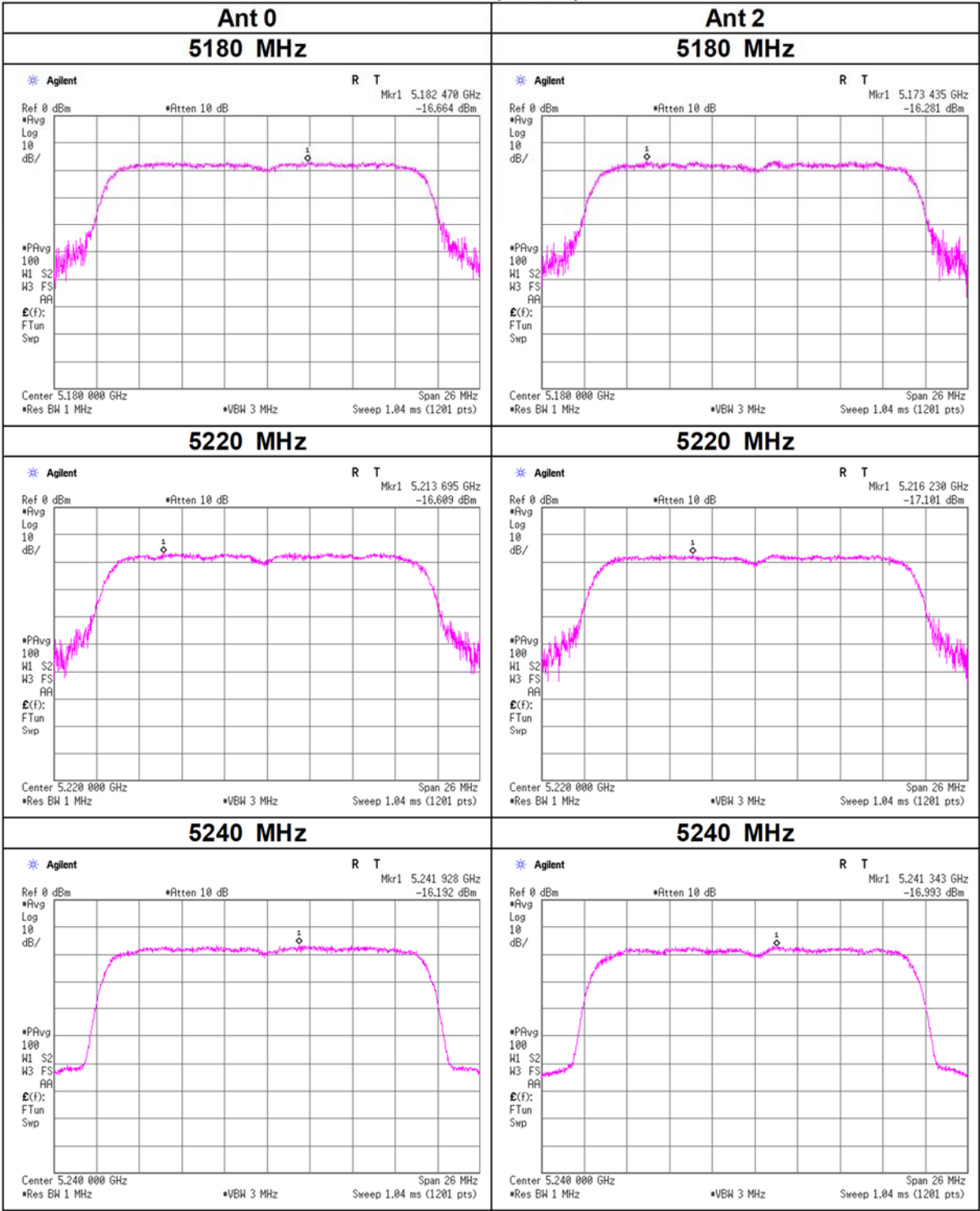
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

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

RBW Conversion Factor = $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

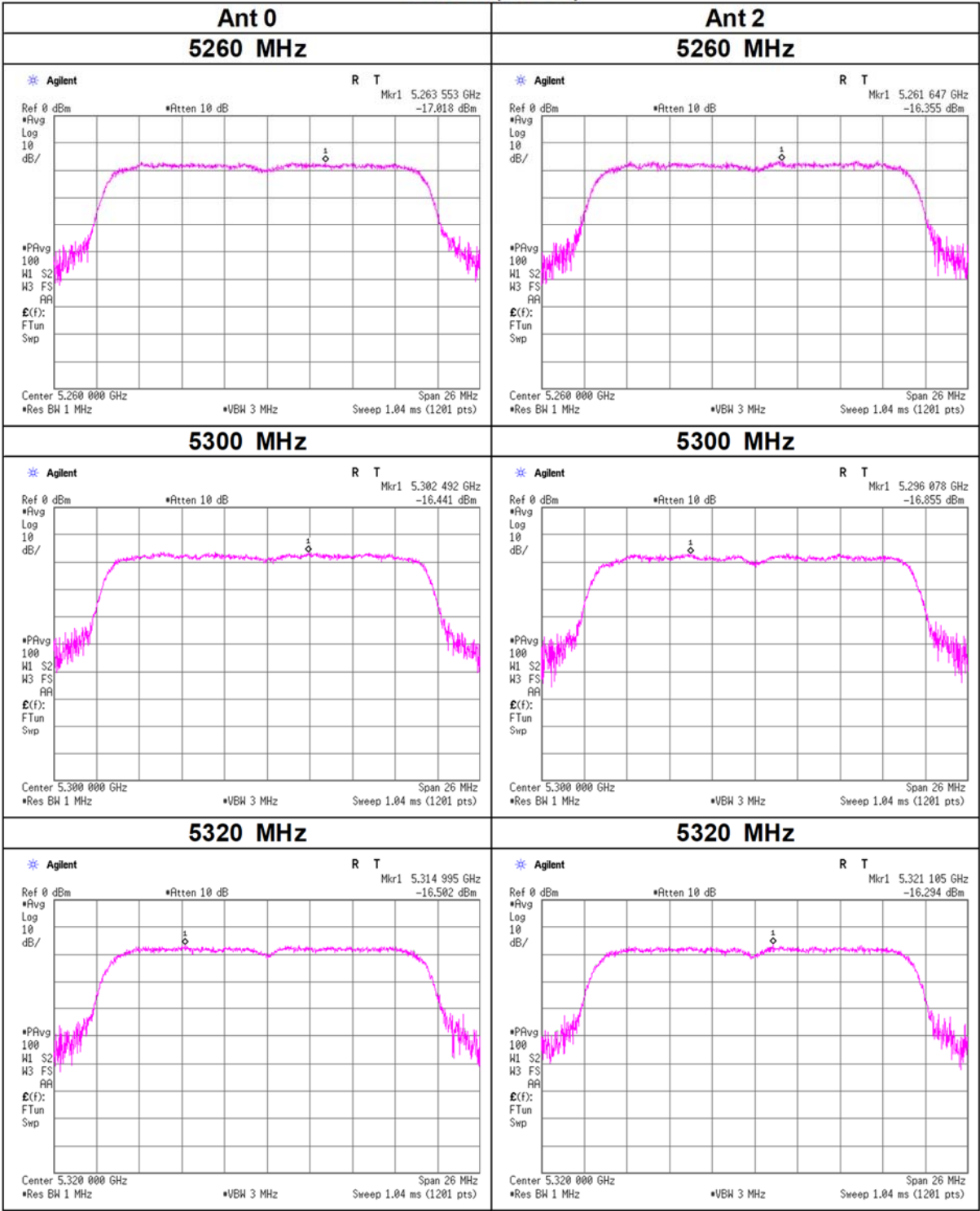
Maximum Power Spectral Density

11ax-20(OFDM)



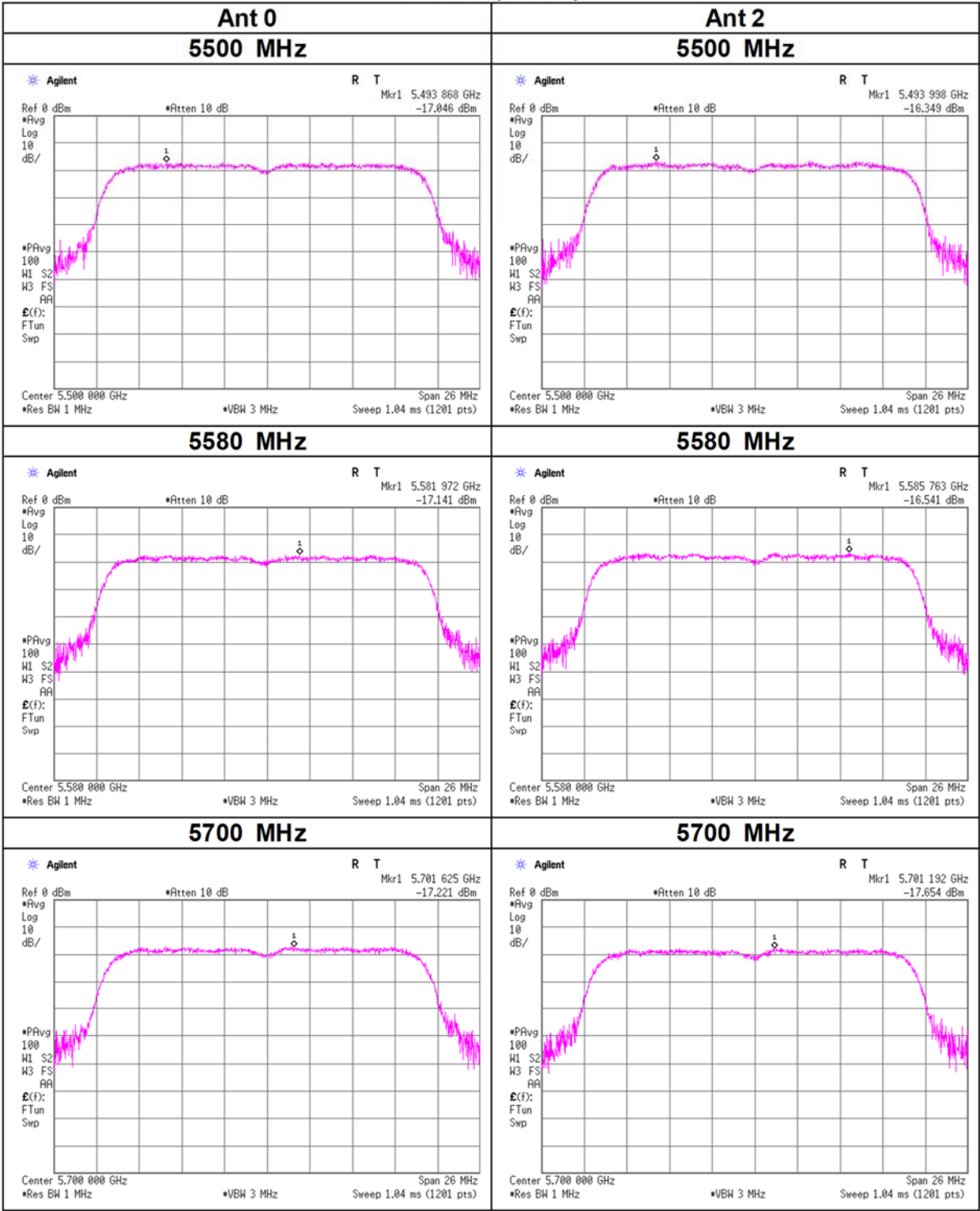
Maximum Power Spectral Density

11ax-20(OFDM)



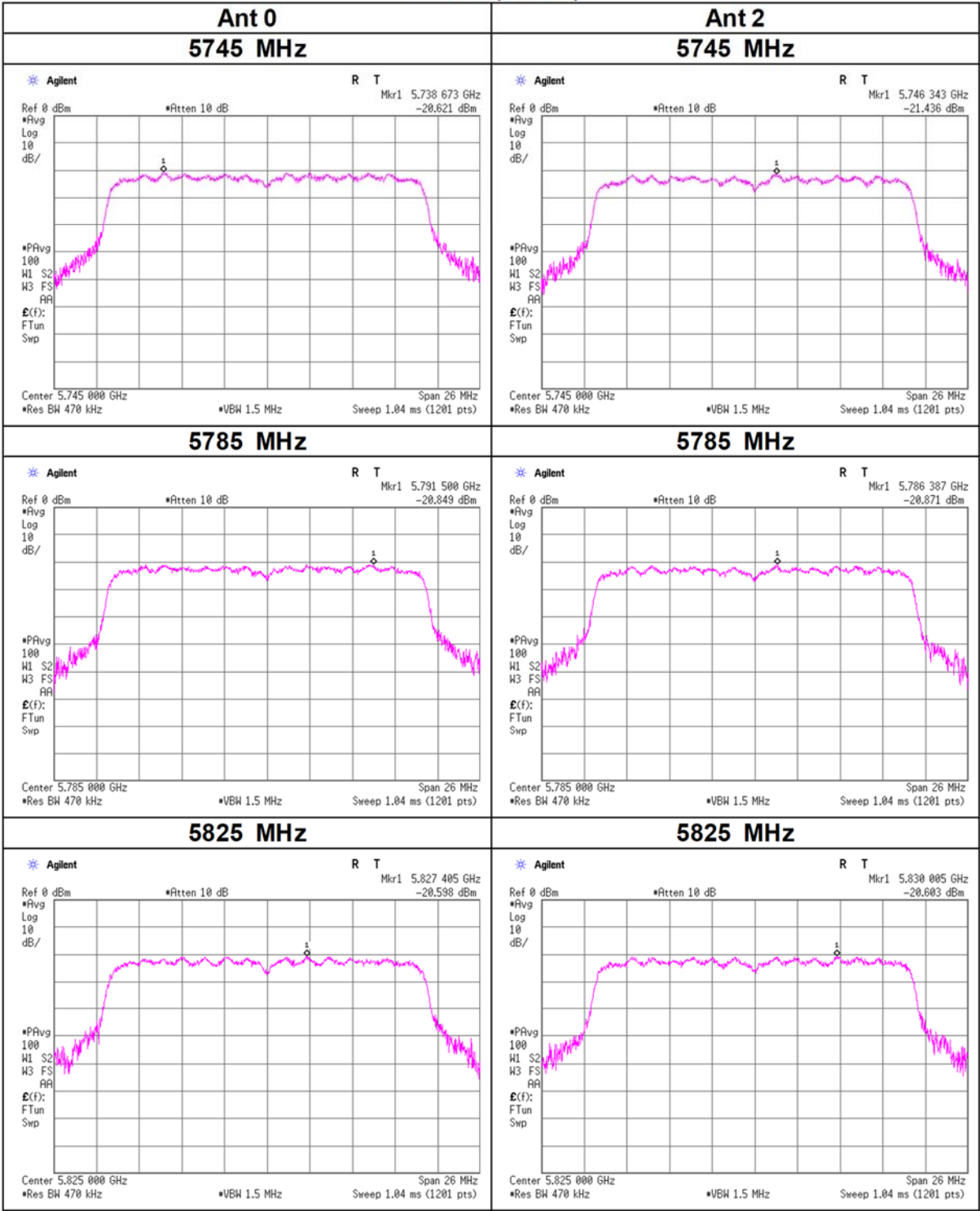
Maximum Power Spectral Density

11ax-20(OFDM)



Maximum Power Spectral Density

11ax-20(OFDM)



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room
Date February 20, 2024
Temperature / Humidity 24 deg. C / 45 % RH
Engineer Kazuya Noda
Mode Tx

Ant 0 + Ant 2 11n-40 (SDM) Applied limit: 15.407, Client

Tested Frequency [MHz]	PSD (Cond.)						PSD (e.i.r.p.)					
	Ant 0 [mW/MHz]	Ant 2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Ant 0 [mW/MHz]	Ant 2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
5190	0.34	0.39	0.73	-1.37	11.00	12.37	0.40	0.99	1.39	1.44	17.00	15.56
5230	0.36	0.41	0.77	-1.14	11.00	12.14	0.42	1.05	1.47	1.67	17.00	15.33
5270	0.34	0.39	0.73	-1.34	11.00	12.34	0.40	1.01	1.41	1.48	17.00	15.52
5310	0.35	0.39	0.74	-1.31	11.00	12.31	0.41	0.99	1.40	1.47	17.00	15.53
5510	0.29	0.34	0.63	-1.98	11.00	12.98	0.34	0.88	1.22	0.86	17.00	16.14
5550	0.35	0.34	0.69	-1.63	11.00	12.63	0.41	0.86	1.27	1.04	17.00	15.96
5670	0.31	0.36	0.68	-1.71	11.00	12.71	0.37	0.92	1.29	1.11	17.00	15.89
5755	0.12	0.16	0.28	-5.49	30.00	35.49	0.15	0.40	0.55	-2.60	36.00	38.60
5795	0.12	0.17	0.29	-5.40	30.00	35.40	0.14	0.44	0.58	-2.40	36.00	38.40

			Ant 0						Ant 2					
Tested Frequency	Duty Factor	RBW Conversion 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	0.39	-	-18.04	2.95	10.01	0.70	-4.69	-3.99	-17.43	2.95	10.00	4.07	-4.09	-0.02
5230	0.39	-	-17.81	2.95	10.01	0.70	-4.46	-3.76	-17.20	2.95	10.00	4.07	-3.86	0.21
5270	0.39	-	-18.04	2.95	10.01	0.70	-4.68	-3.98	-17.39	2.96	10.00	4.07	-4.04	0.03
5310	0.39	-	-17.92	2.96	10.01	0.70	-4.56	-3.86	-17.45	2.96	10.00	4.07	-4.10	-0.03
5510	0.39	-	-18.76	2.98	10.01	0.70	-5.38	-4.68	-18.02	2.98	10.01	4.07	-4.64	-0.57
5550	0.39	-	-17.92	2.98	10.01	0.70	-4.54	-3.84	-18.12	2.98	10.01	4.07	-4.74	-0.66
5670	0.39	-	-18.43	2.99	10.01	0.70	-5.04	-4.34	-17.81	2.99	10.01	4.07	-4.42	-0.35
5755	0.39	0.27	-22.71	3.00	10.01	0.70	-9.04	-8.34	-21.70	3.00	10.02	4.07	-8.02	-3.95
5795	0.39	0.27	-22.99	3.00	10.01	0.70	-9.32	-8.62	-21.33	3.00	10.02	4.07	-7.65	-3.58

Sample Calculation:

PSD: Power Spectral Density

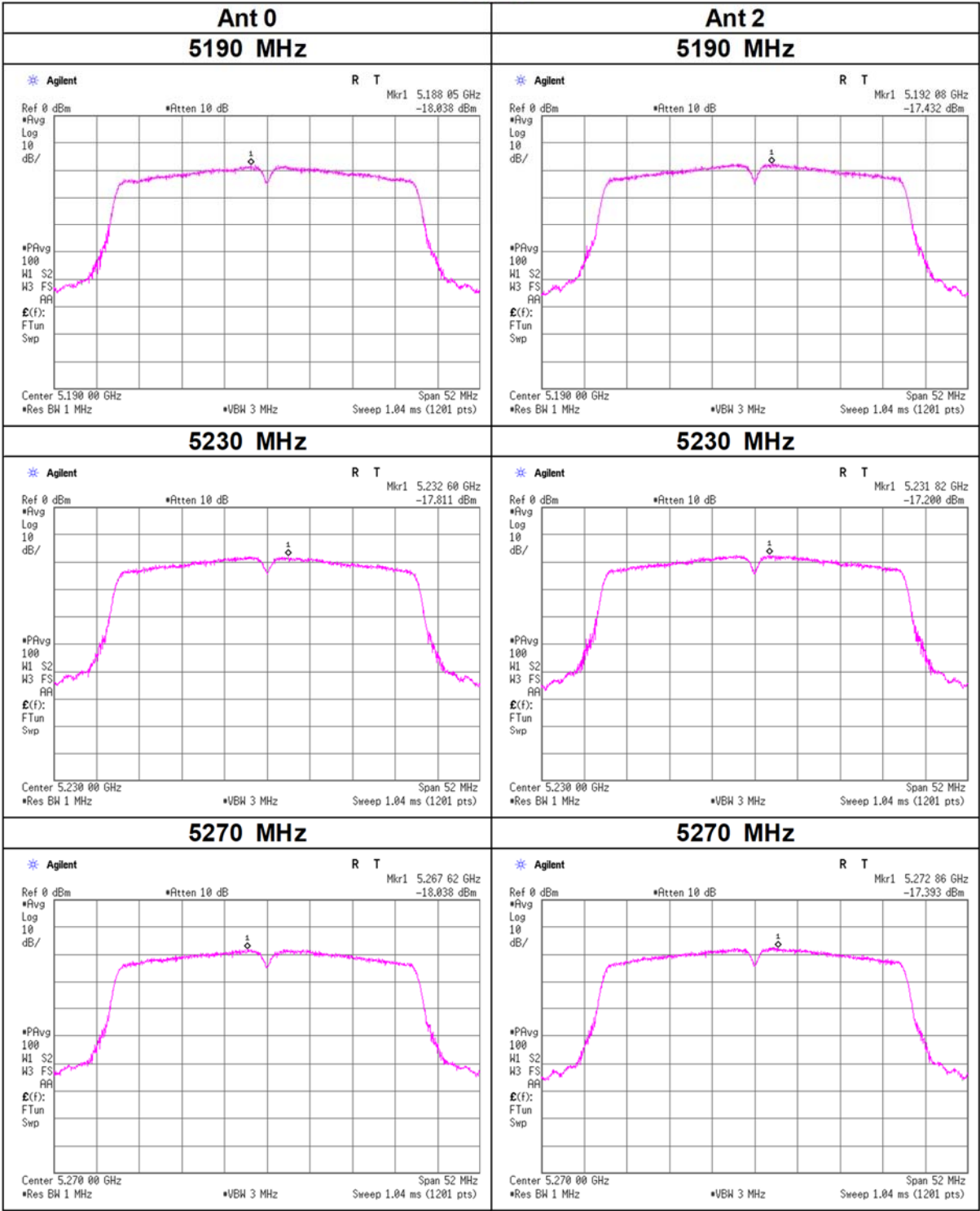
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

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

RBW Conversion Factor = $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

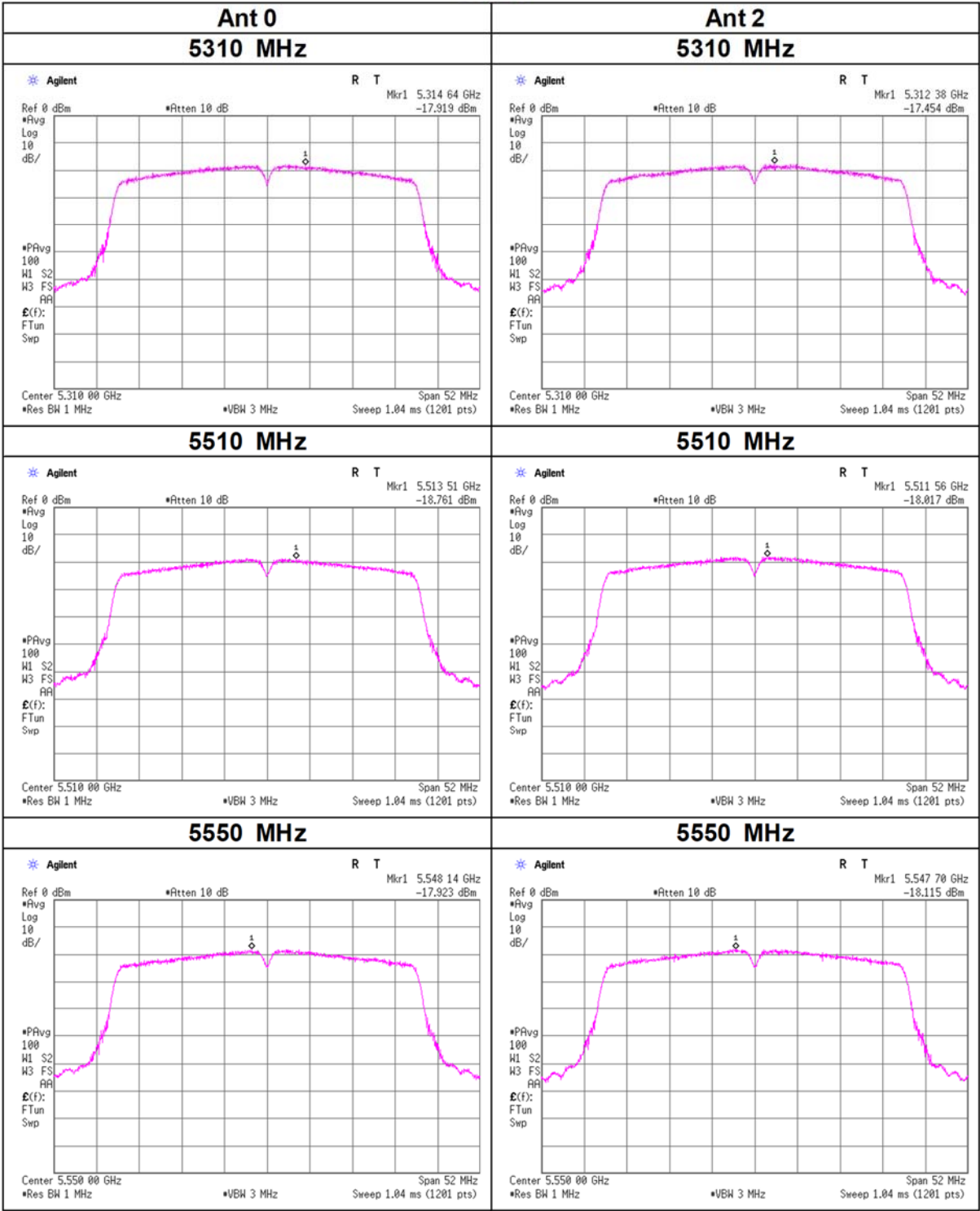
Maximum Power Spectral Density

11n-40



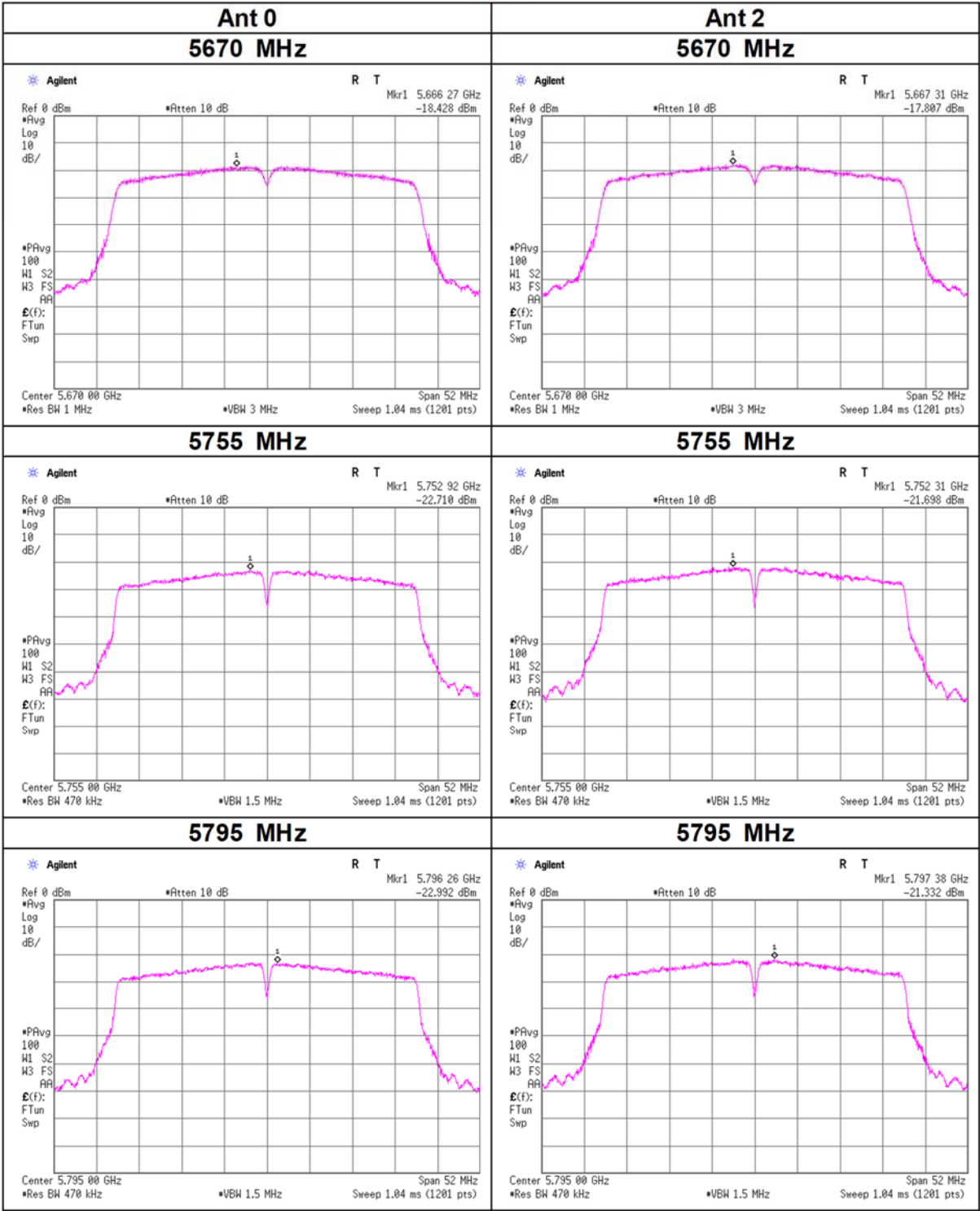
Maximum Power Spectral Density

11n-40



Maximum Power Spectral Density

11n-40



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room
Date February 20, 2024
Temperature / Humidity 24 deg. C / 45 % RH
Engineer Kazuya Noda
Mode Tx

Ant 0 + Ant 2 11ac-40 (SDM) Applied limit: 15.407, Client

Tested Frequency	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
[MHz]	Ant 0	Ant 2	Sum				Ant 0	Ant 2	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.32	0.39	0.70	-1.53	11.00	12.53	0.37	0.98	1.36	1.33	17.00	15.67
5230	0.36	0.41	0.78	-1.10	11.00	12.10	0.43	1.06	1.48	1.71	17.00	15.29
5270	0.36	0.42	0.78	-1.06	11.00	12.06	0.42	1.08	1.51	1.78	17.00	15.22
5310	0.40	0.38	0.78	-1.09	11.00	12.09	0.47	0.96	1.43	1.56	17.00	15.44
5510	0.31	0.37	0.68	-1.65	11.00	12.65	0.37	0.95	1.31	1.19	17.00	15.81
5550	0.34	0.38	0.72	-1.40	11.00	12.40	0.40	0.98	1.38	1.39	17.00	15.61
5670	0.32	0.38	0.70	-1.56	11.00	12.56	0.37	0.98	1.35	1.29	17.00	15.71
5755	0.12	0.16	0.28	-5.55	30.00	35.55	0.14	0.40	0.54	-2.66	36.00	38.66
5795	0.12	0.16	0.28	-5.50	30.00	35.50	0.14	0.41	0.55	-2.57	36.00	38.57

Ant 0										Ant 2					
Tested Frequency	Duty Factor	RBW Conversion Factor	PSD		Cable Loss	Atten. Loss	Antenna Gain	PSD Result		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	
			Reading	Cond.				Cond.	e.i.r.p.					Cond.	e.i.r.p.
[MHz]	[dB]	[dB]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5190	0.40	-	-18.34	-18.34	2.95	10.01	0.70	-4.98	-4.28	-17.49	2.95	10.00	4.07	-4.14	-0.07
5230	0.40	-	-17.77	-17.77	2.95	10.01	0.70	-4.41	-3.71	-17.18	2.95	10.00	4.07	-3.83	0.24
5270	0.40	-	-17.81	-17.81	2.95	10.01	0.70	-4.45	-3.75	-17.08	2.96	10.00	4.07	-3.72	0.35
5310	0.40	-	-17.33	-17.33	2.96	10.01	0.70	-3.96	-3.26	-17.61	2.96	10.00	4.07	-4.25	-0.18
5510	0.40	-	-18.44	-18.44	2.98	10.01	0.70	-5.05	-4.35	-17.70	2.98	10.01	4.07	-4.31	-0.24
5550	0.40	-	-18.04	-18.04	2.98	10.01	0.70	-4.65	-3.95	-17.57	2.98	10.01	4.07	-4.18	-0.11
5670	0.40	-	-18.41	-18.41	2.99	10.01	0.70	-5.01	-4.31	-17.58	2.99	10.01	4.07	-4.18	-0.11
5755	0.40	0.27	-22.80	-22.80	3.00	10.01	0.70	-9.12	-8.42	-21.75	3.00	10.02	4.07	-8.06	-3.99
5795	0.40	0.27	-22.86	-22.86	3.00	10.01	0.70	-9.18	-8.48	-21.61	3.00	10.02	4.07	-7.92	-3.85

Sample Calculation:

PSD: Power Spectral Density

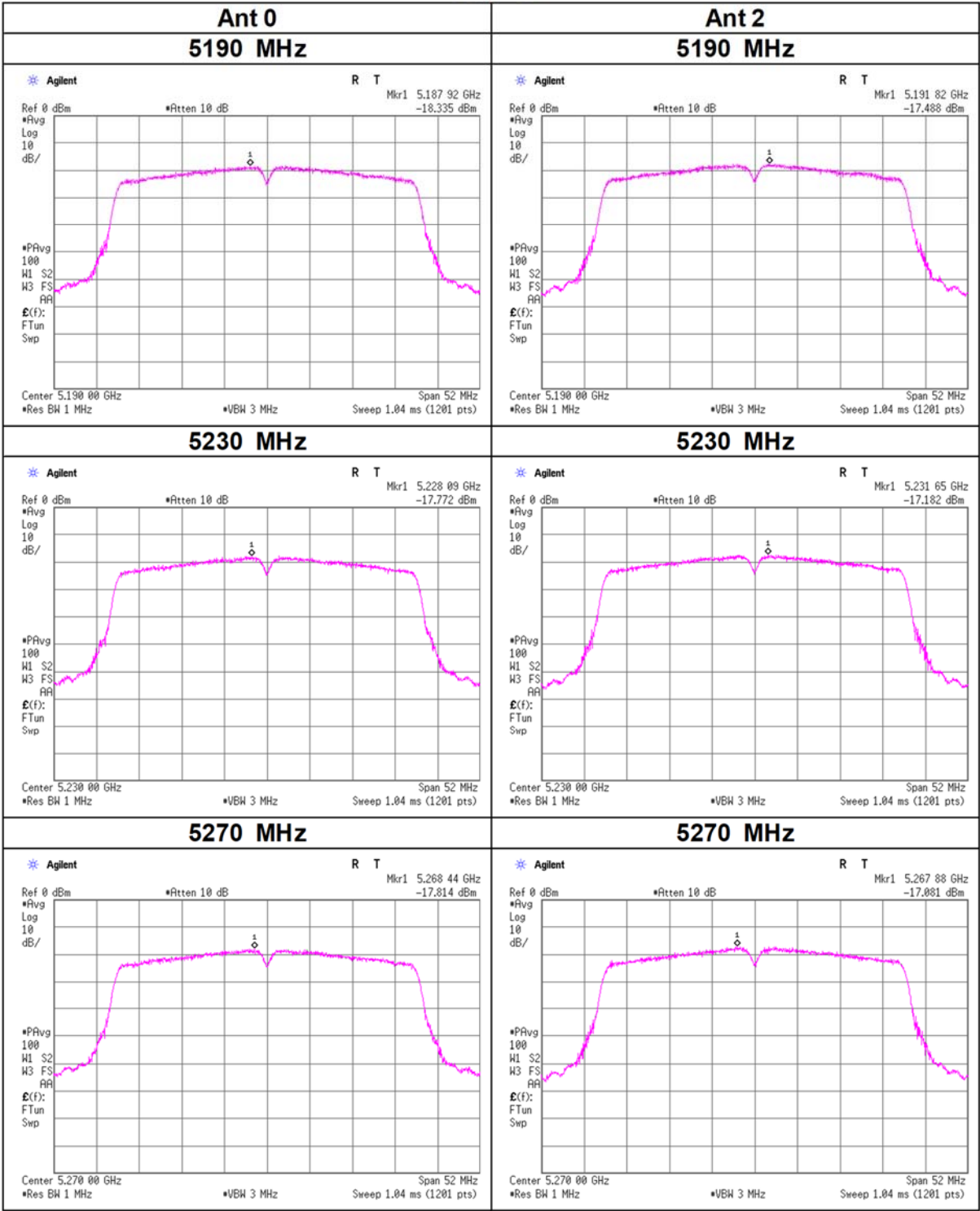
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

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

RBW Conversion Factor = $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

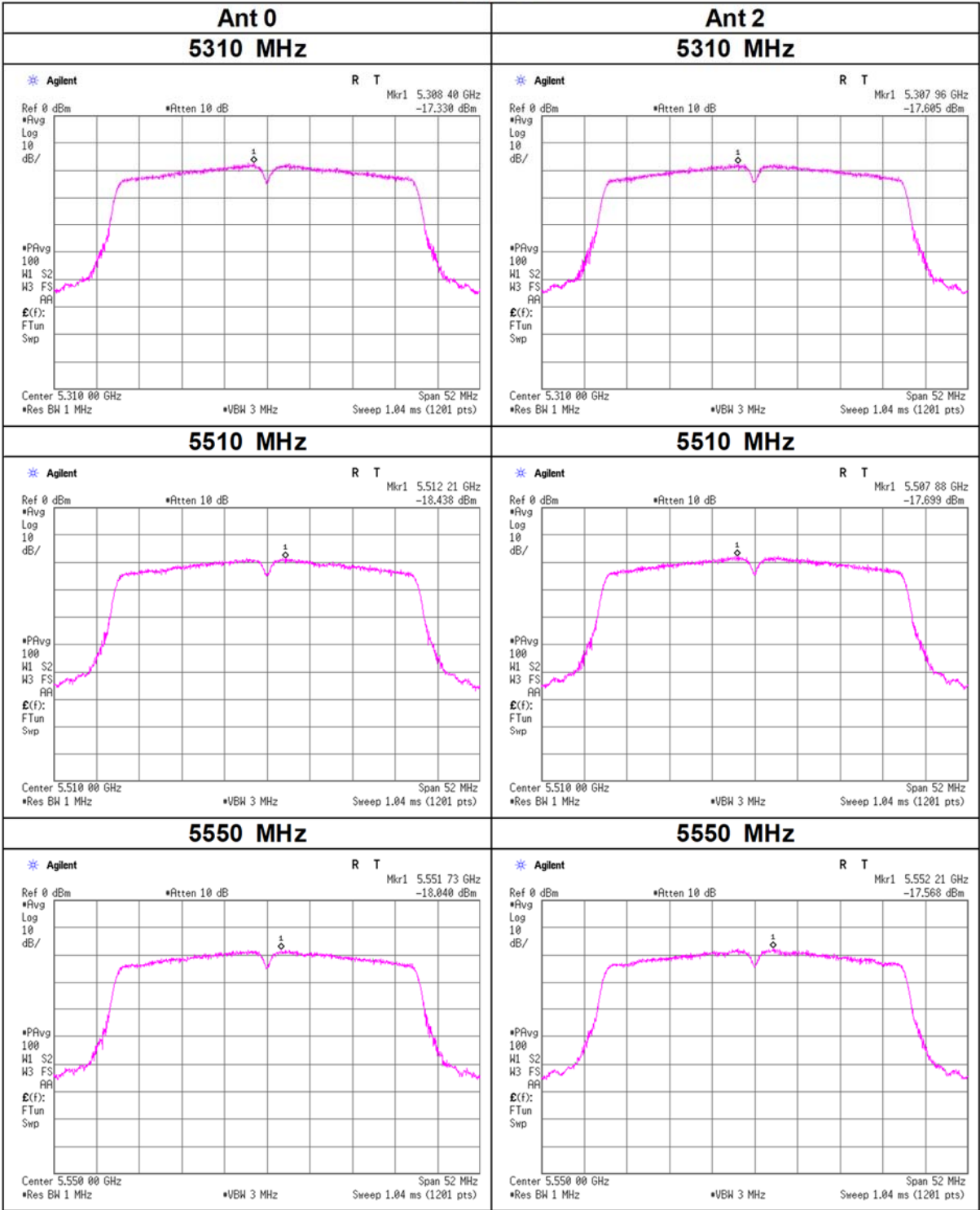
Maximum Power Spectral Density

11ac-40



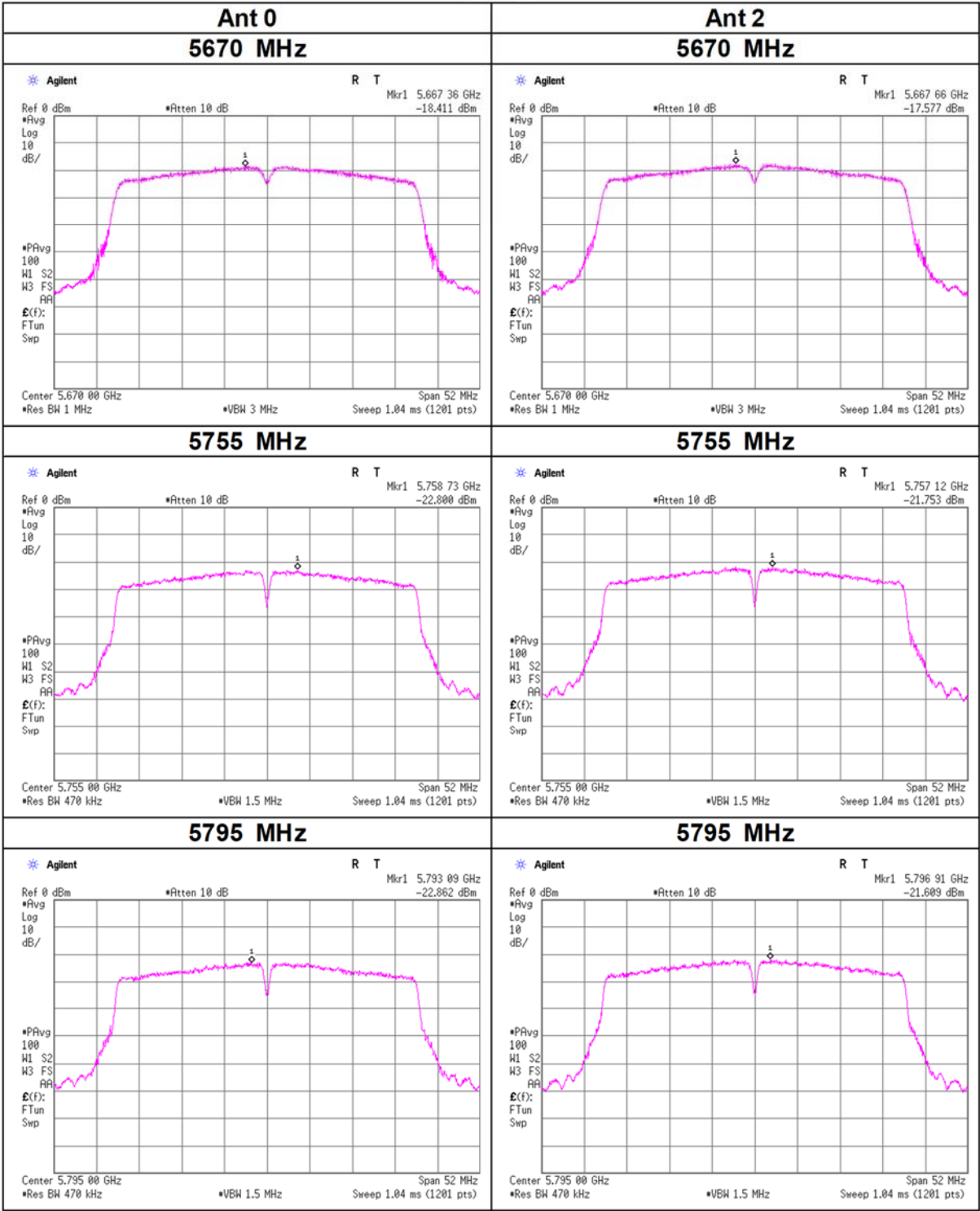
Maximum Power Spectral Density

11ac-40



Maximum Power Spectral Density

11ac-40



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room
Date February 21, 2024
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Kazuya Noda
Mode Tx

Ant 0 + Ant 2 11ax-40 (OFDM)(SDM) Applied limit: 15.407, Client

Tested Frequency	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
[MHz]	Ant 0	Ant 2	Sum				Ant 0	Ant 2	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5190	0.27	0.30	0.57	-2.46	11.00	13.46	0.32	0.76	1.08	0.33	17.00	16.67
5230	0.27	0.29	0.56	-2.50	11.00	13.50	0.32	0.73	1.06	0.24	17.00	16.76
5270	0.27	0.32	0.59	-2.29	11.00	13.29	0.32	0.81	1.13	0.54	17.00	16.46
5310	0.29	0.30	0.59	-2.30	11.00	13.30	0.34	0.77	1.11	0.44	17.00	16.56
5510	0.27	0.32	0.60	-2.23	11.00	13.23	0.32	0.83	1.15	0.61	17.00	16.39
5550	0.30	0.33	0.63	-2.00	11.00	13.00	0.35	0.85	1.20	0.79	17.00	16.21
5670	0.24	0.35	0.59	-2.32	11.00	13.32	0.28	0.89	1.17	0.68	17.00	16.32
5755	0.11	0.16	0.27	-5.69	30.00	35.69	0.13	0.40	0.53	-2.74	36.00	38.74
5795	0.12	0.14	0.26	-5.90	30.00	35.90	0.14	0.35	0.49	-3.07	36.00	39.07

Ant 0										Ant 2					
Tested Frequency	Duty Factor	RBW Conversion Factor	PSD	Cable	Atten.	Antenna	PSD Result		PSD	Cable	Atten.	Antenna	PSD Result		
			Reading	Loss	Loss	Gain	Cond.	e.i.r.p.		Loss	Loss	Gain	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]	
5190	1.45	-	-20.11	2.95	10.01	0.70	-5.70	-5.00	-19.65	2.95	10.00	4.07	-5.25	-1.18	
5230	1.45	-	-20.03	2.95	10.01	0.70	-5.61	-4.91	-19.81	2.95	10.00	4.07	-5.41	-1.34	
5270	1.45	-	-20.07	2.95	10.01	0.70	-5.65	-4.95	-19.38	2.96	10.00	4.07	-4.97	-0.90	
5310	1.45	-	-19.83	2.96	10.01	0.70	-5.41	-4.71	-19.63	2.96	10.00	4.07	-5.22	-1.15	
5510	1.45	-	-20.06	2.98	10.01	0.70	-5.61	-4.91	-19.33	2.98	10.01	4.07	-4.89	-0.82	
5550	1.45	-	-19.73	2.98	10.01	0.70	-5.28	-4.58	-19.21	2.98	10.01	4.07	-4.76	-0.69	
5670	1.45	-	-20.71	2.99	10.01	0.70	-6.26	-5.56	-19.02	2.99	10.01	4.07	-4.57	-0.50	
5755	1.45	0.27	-24.18	3.00	10.01	0.70	-9.44	-8.74	-22.80	3.00	10.02	4.07	-8.06	-3.99	
5795	1.45	0.27	-24.01	3.00	10.01	0.70	-9.28	-8.58	-23.32	3.00	10.02	4.07	-8.57	-4.50	

Sample Calculation:

PSD: Power Spectral Density

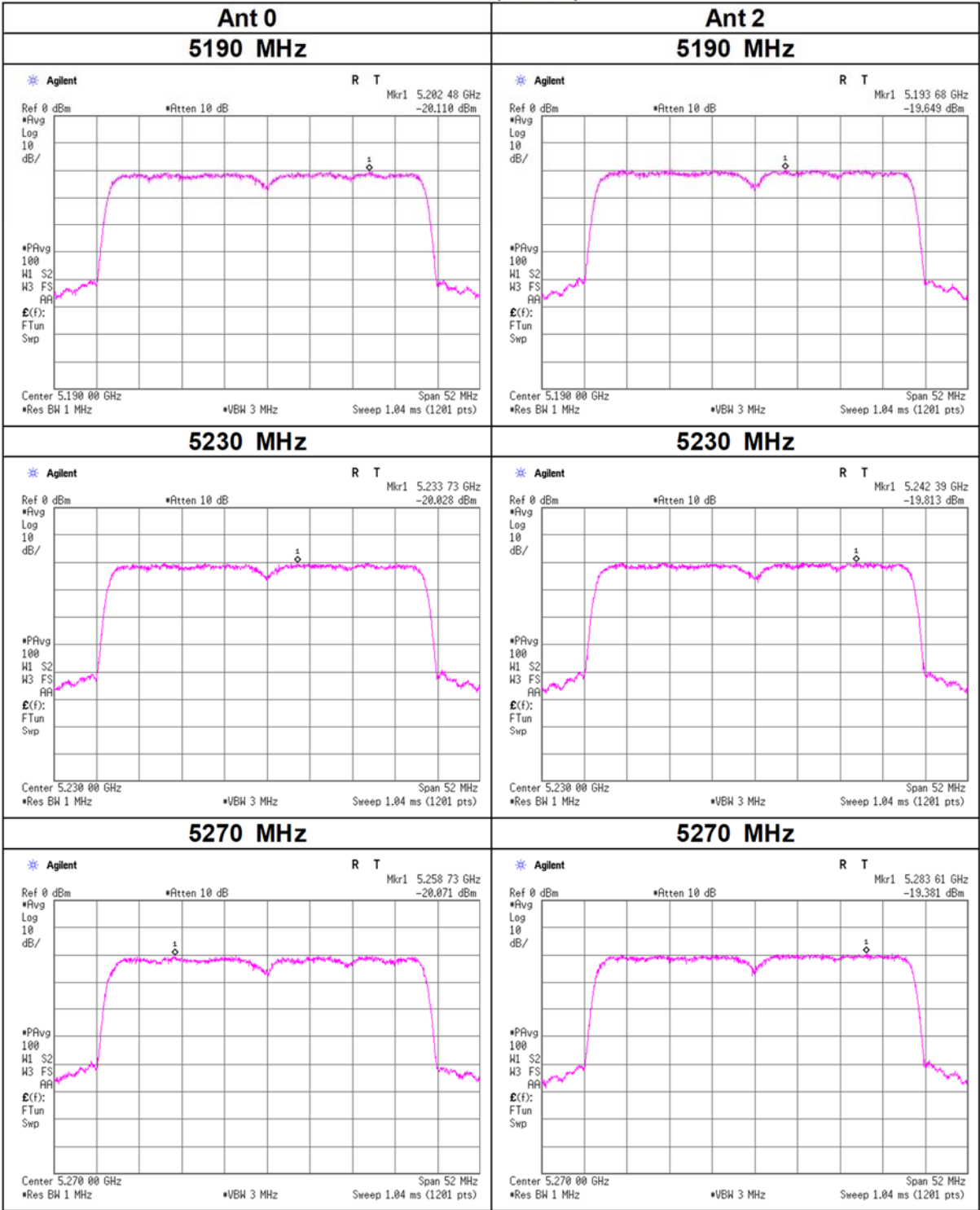
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

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

RBW Conversion Factor = $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

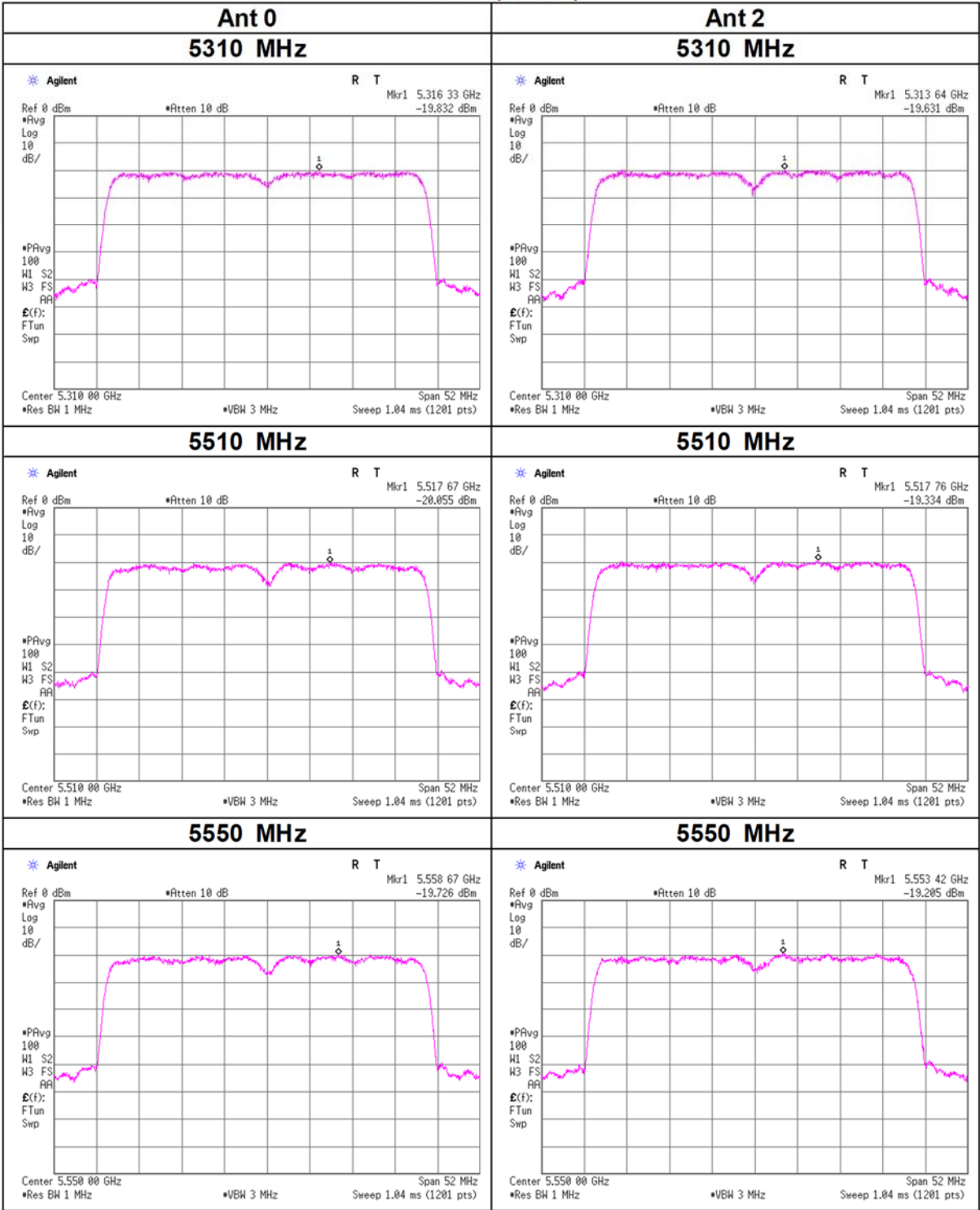
Maximum Power Spectral Density

11ax-40(OFDM)



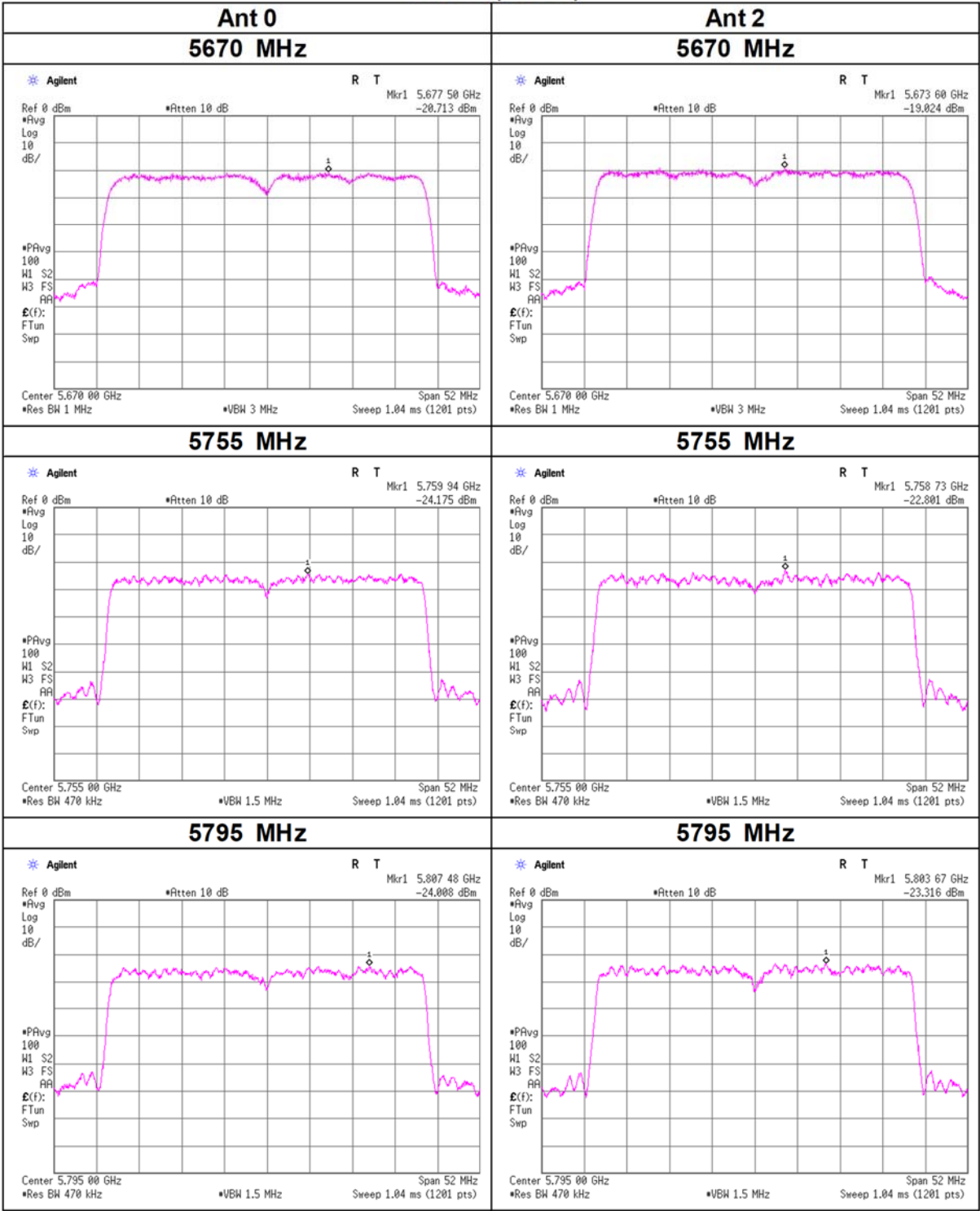
Maximum Power Spectral Density

11ax-40(OFDM)



Maximum Power Spectral Density

11ax-40(OFDM)



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room
Date February 20, 2024
Temperature / Humidity 24 deg. C / 45 % RH
Engineer Kazuya Noda
Mode Tx

Ant 0 + Ant 2 11ac-80 (SDM) Applied limit: 15.407, Client

Tested Frequency	PSD (Cond.)						PSD (e.i.r.p.)					
	Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
[MHz]	Ant 0	Ant 2	Sum				Ant 0	Ant 2	Sum			
[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]
5210	0.15	0.16	0.31	-5.03	11.00	16.03	0.18	0.42	0.59	-2.27	17.00	19.27
5290	0.15	0.17	0.32	-4.98	11.00	15.98	0.17	0.43	0.61	-2.18	17.00	19.18
5530	0.14	0.15	0.29	-5.33	11.00	16.33	0.16	0.39	0.56	-2.55	17.00	19.55
5775	0.06	0.06	0.11	-9.43	30.00	39.43	0.06	0.15	0.21	-6.68	36.00	42.68

Ant 0									Ant 2					
Tested Frequency	Duty Factor	RBW Conversion Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna 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]
5210	0.69	-	-21.86	2.95	10.01	0.70	-8.21	-7.51	-21.53	2.95	10.00	4.07	-7.89	-3.82
5290	0.69	-	-21.95	2.96	10.01	0.70	-8.28	-7.58	-21.37	2.96	10.00	4.07	-7.72	-3.65
5530	0.69	-	-22.24	2.98	10.01	0.70	-8.56	-7.86	-21.82	2.98	10.01	4.07	-8.14	-4.07
5775	0.69	0.27	-26.56	3.00	10.01	0.70	-12.59	-11.89	-26.29	3.00	10.02	4.07	-12.31	-8.24

Sample Calculation:

PSD: Power Spectral Density

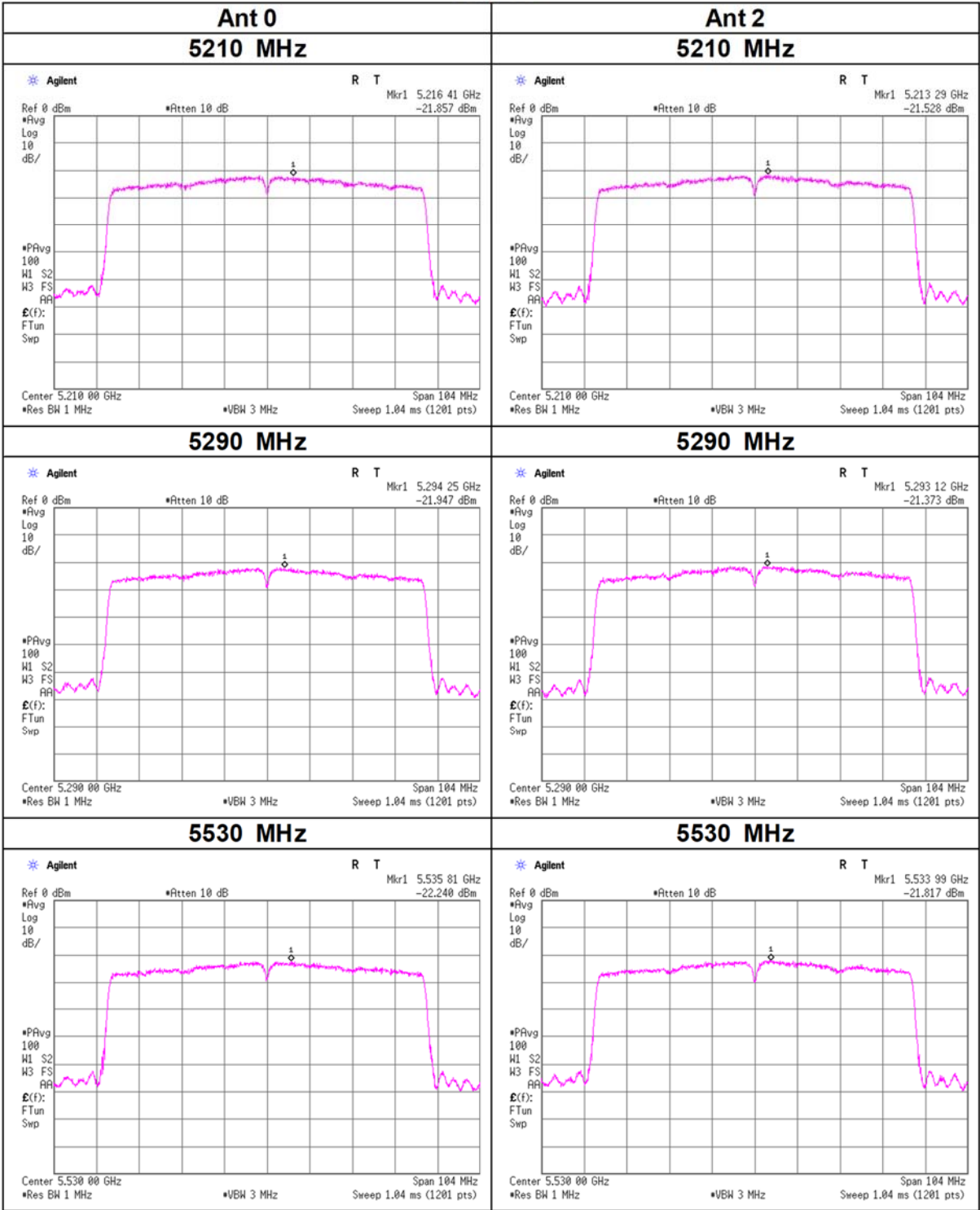
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

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

RBW Conversion Factor = $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

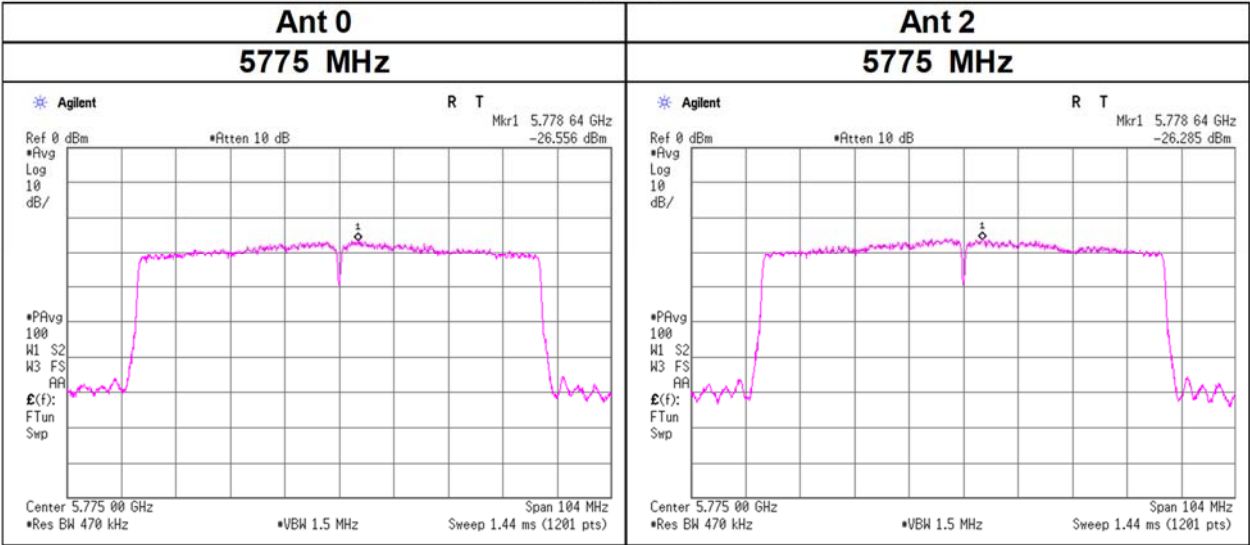
Maximum Power Spectral Density

11ac-80



Maximum Power Spectral Density

11ac-80



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room
Date February 21, 2024
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Kazuya Noda
Mode Tx

Ant 0 + Ant 2 11ax-80 (OFDM)(SDM) Applied limit: 15.407, Client

Tested Frequency [MHz]	PSD (Cond.)						PSD (e.i.r.p.)					
	Ant 0 [mW/MHz]	Ant 2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Ant 0 [mW/MHz]	Ant 2 [mW/MHz]	Sum [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
5210	0.14	0.16	0.29	-5.37	11.00	16.37	0.16	0.40	0.56	-2.55	17.00	19.55
5290	0.13	0.17	0.30	-5.20	11.00	16.20	0.15	0.45	0.60	-2.25	17.00	19.25
5530	0.12	0.17	0.29	-5.35	11.00	16.35	0.15	0.43	0.57	-2.41	17.00	19.41
5775	0.07	0.07	0.14	-8.60	30.00	38.60	0.08	0.18	0.26	-5.85	36.00	41.85

			Ant 0						Ant 2					
Tested Frequency	Duty Factor	RBW Conversion 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]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5210	1.63	-	-23.27	2.95	10.01	0.70	-8.68	-7.98	-22.67	2.95	10.00	4.07	-8.09	-4.02
5290	1.63	-	-23.57	2.96	10.01	0.70	-8.97	-8.27	-22.16	2.96	10.00	4.07	-7.57	-3.50
5530	1.63	-	-23.68	2.98	10.01	0.70	-9.05	-8.35	-22.38	2.98	10.01	4.07	-7.76	-3.69
5775	1.63	0.27	-26.65	3.00	10.01	0.70	-11.74	-11.04	-26.41	3.00	10.02	4.07	-11.49	-7.42

Sample Calculation:

PSD: Power Spectral Density

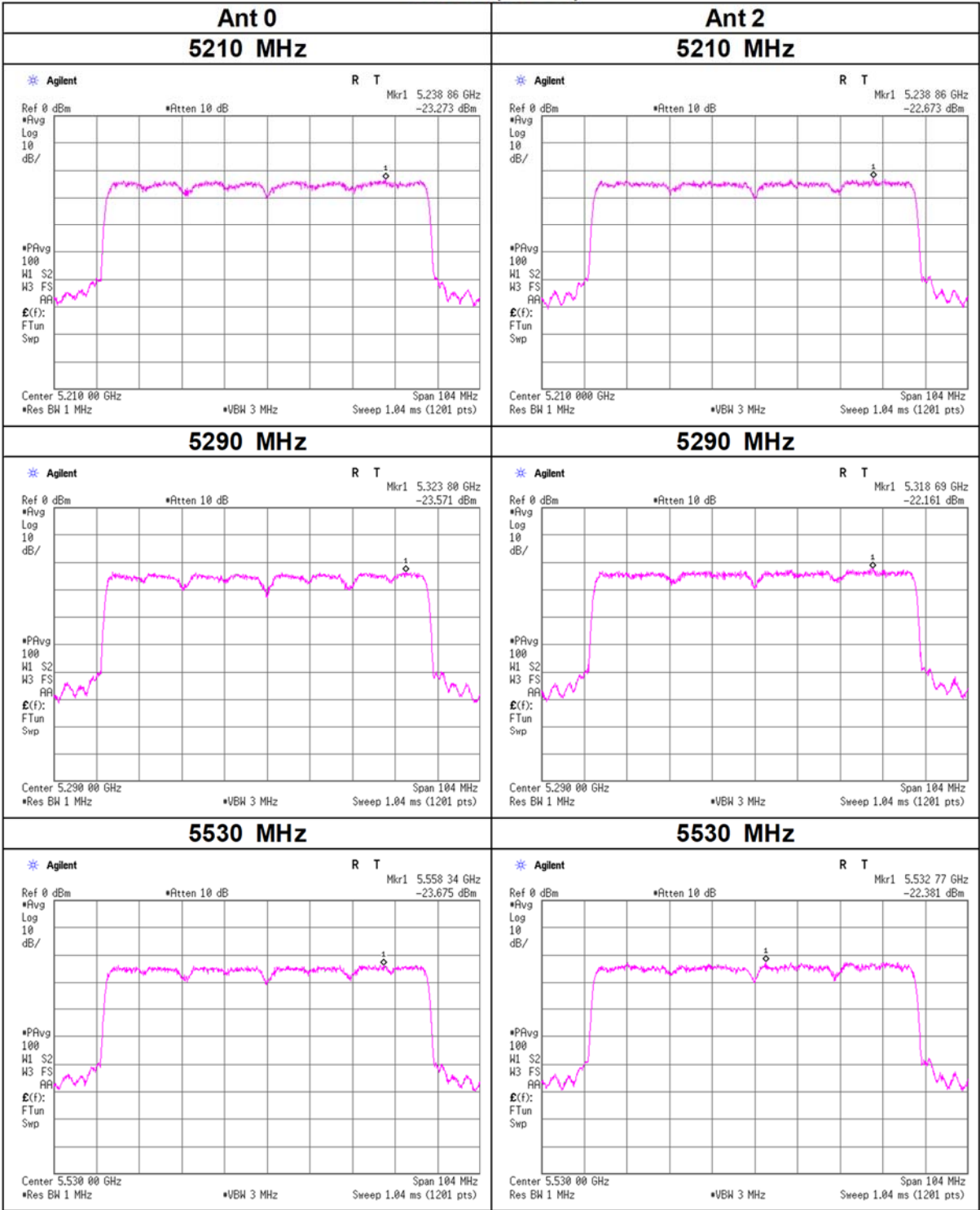
PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

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

RBW Conversion Factor = $10 \times \log (500 \text{ [kHz]} / 470 \text{ [kHz]})$

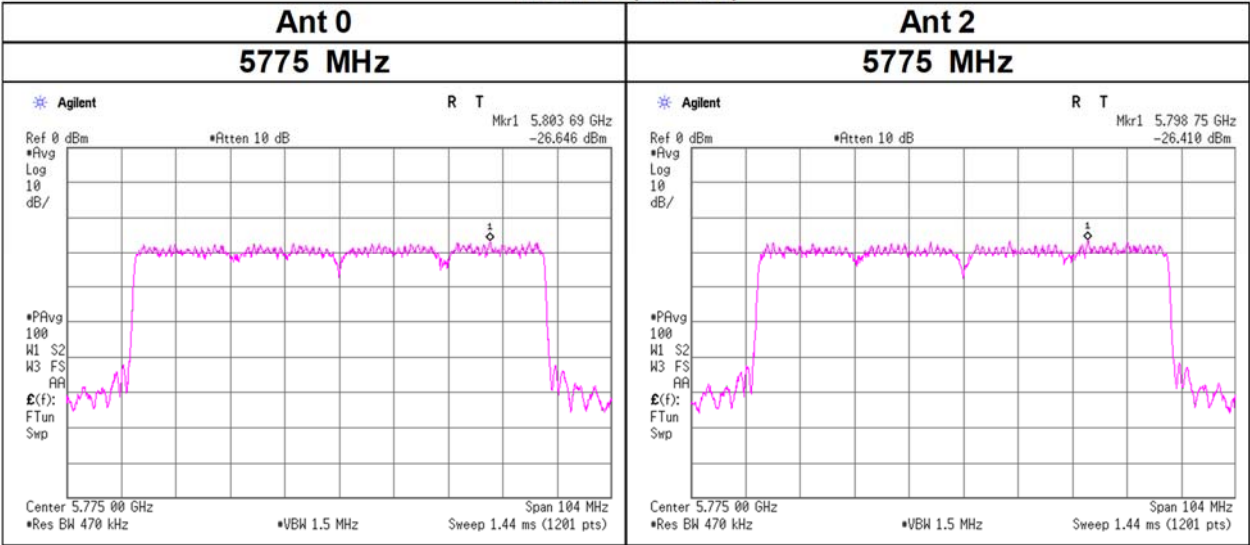
Maximum Power Spectral Density

11ax-80(OFDM)



Maximum Power Spectral Density

11ax-80(OFDM)



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.1 Measurement Room
Date February 21, 2024
Temperature / Humidity 23 deg. C / 40 % RH
Engineer Kazuya Noda
Mode Tx

Ant 0 + Ant 2 11ax-20(OFDMA)(SDM), 26-tone RU Applied limit: 15.407, Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)							PSD (e.i.r.p.)						
		Antenna			Result	Limit	Margin		Antenna			Result	Limit	Margin	
		Ant 0	Ant 2	Sum					Ant 0	Ant 2	Sum				
		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]		[mW/MHz]	[mW/MHz]	[mW/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	
5180	0	0.86	0.69	1.56	1.92	11.00	9.08		1.01	1.77	2.78	4.45	17.00	12.55	
	4	0.66	0.67	1.33	1.23	11.00	9.77		0.78	1.70	2.48	3.94	17.00	13.06	
	8	0.92	0.79	1.71	2.32	11.00	8.68		1.08	2.01	3.09	4.90	17.00	12.10	
5220	0	0.79	0.77	1.57	1.95	11.00	9.05		0.93	1.97	2.90	4.63	17.00	12.37	
	4	0.65	0.66	1.31	1.16	11.00	9.84		0.76	1.69	2.44	3.88	17.00	13.12	
	8	0.83	0.94	1.78	2.50	11.00	8.50		0.98	2.41	3.39	5.30	17.00	11.70	
5240	0	0.77	0.79	1.56	1.94	11.00	9.06		0.90	2.02	2.93	4.66	17.00	12.34	
	4	0.71	0.64	1.35	1.30	11.00	9.70		0.83	1.63	2.46	3.92	17.00	13.08	
	8	0.90	0.85	1.75	2.44	11.00	8.56		1.06	2.17	3.23	5.09	17.00	11.91	
5260	0	0.92	0.91	1.83	2.62	11.00	8.38		1.08	2.32	3.40	5.31	17.00	11.69	
	4	0.73	0.82	1.55	1.89	11.00	9.11		0.85	2.09	2.94	4.69	17.00	12.31	
	8	0.96	0.90	1.86	2.69	11.00	8.31		1.13	2.29	3.42	5.34	17.00	11.66	
5300	0	0.92	0.90	1.82	2.59	11.00	8.41		1.08	2.30	3.38	5.28	17.00	11.72	
	4	0.86	0.77	1.63	2.13	11.00	8.87		1.01	1.97	2.98	4.74	17.00	12.26	
	8	1.05	0.90	1.95	2.90	11.00	8.10		1.24	2.29	3.53	5.47	17.00	11.53	
5320	0	1.01	0.98	1.99	2.99	11.00	8.01		1.19	2.50	3.69	5.67	17.00	11.33	
	4	0.91	0.85	1.76	2.45	11.00	8.55		1.07	2.16	3.23	5.10	17.00	11.90	
	8	1.10	1.00	2.09	3.21	11.00	7.79		1.29	2.55	3.84	5.84	17.00	11.16	

Tested Frequency [MHz]	RU Index	Duty Factor [dB]	RBW Conversion Factor [dB]	Ant 0							Ant 2						
				PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.		PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result Cond.	PSD Result e.i.r.p.	
				[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]		[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	
5180	0	0.57	-	-14.17	2.95	10.01	0.70	-0.64	0.06		-15.11	2.95	10.00	4.07	-1.59	2.48	
	4	0.57	-	-15.33	2.95	10.01	0.70	-1.80	-1.10		-15.28	2.95	10.00	4.07	-1.76	2.31	
	8	0.57	-	-13.89	2.95	10.01	0.70	-0.36	0.34		-14.57	2.95	10.00	4.07	-1.05	3.02	
5220	0	0.57	-	-14.53	2.95	10.01	0.70	-1.00	-0.30		-14.65	2.95	10.00	4.07	-1.13	2.94	
	4	0.57	-	-15.43	2.95	10.01	0.70	-1.90	-1.20		-15.32	2.95	10.00	4.07	-1.80	2.27	
	8	0.57	-	-14.32	2.95	10.01	0.70	-0.79	-0.09		-13.78	2.95	10.00	4.07	-0.25	3.82	
5240	0	0.57	-	-14.67	2.95	10.01	0.70	-1.13	-0.43		-14.54	2.95	10.00	4.07	-1.02	3.05	
	4	0.57	-	-15.02	2.95	10.01	0.70	-1.48	-0.78		-15.47	2.95	10.00	4.07	-1.95	2.12	
	8	0.57	-	-13.97	2.95	10.01	0.70	-0.44	0.26		-14.23	2.95	10.00	4.07	-0.71	3.36	
5260	0	0.57	-	-13.90	2.95	10.01	0.70	-0.37	0.33		-13.95	2.96	10.00	4.07	-0.42	3.65	
	4	0.57	-	-14.92	2.95	10.01	0.70	-1.39	-0.69		-14.40	2.96	10.00	4.07	-0.87	3.20	
	8	0.57	-	-13.71	2.95	10.01	0.70	-0.18	0.52		-14.00	2.96	10.00	4.07	-0.47	3.60	
5300	0	0.57	-	-13.92	2.96	10.01	0.70	-0.38	0.32		-13.99	2.96	10.00	4.07	-0.46	3.61	
	4	0.57	-	-14.18	2.96	10.01	0.70	-0.64	0.06		-14.66	2.96	10.00	4.07	-1.13	2.94	
	8	0.57	-	-13.32	2.96	10.01	0.70	0.22	0.92		-14.01	2.96	10.00	4.07	-0.47	3.60	
5320	0	0.57	-	-13.50	2.96	10.01	0.70	0.04	0.74		-13.62	2.96	10.00	4.07	-0.09	3.98	
	4	0.57	-	-13.95	2.96	10.01	0.70	-0.40	0.30		-14.25	2.96	10.00	4.07	-0.72	3.35	
	8	0.57	-	-13.14	2.96	10.01	0.70	0.40	1.10		-13.54	2.96	10.00	4.07	-0.01	4.06	

Sample Calculation:

PSD: Power Spectral Density

PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

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

Maximum Power Spectral Density

Ant 0 + Ant 2 11ax-20(OFDMA)(SDM), 26-tone RU Applied limit: 15.407, Client

Tested Frequency [MHz]	RU Index	PSD (Cond.)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		Ant 0 [mW/MHz]	Ant 2 [mW/MHz]	Sum [mW/MHz]				Ant 0 [mW/MHz]	Ant 2 [mW/MHz]	Sum [mW/MHz]			
5500	0	0.85	1.00	1.85	2.68	11.00	8.32	1.00	2.57	3.56	5.52	17.00	11.48
	4	0.67	0.75	1.42	1.52	11.00	9.48	0.78	1.92	2.70	4.31	17.00	12.69
	8	0.91	1.04	1.96	2.91	11.00	8.09	1.07	2.67	3.74	5.72	17.00	11.28
5580	0	0.90	1.04	1.94	2.88	11.00	8.12	1.06	2.66	3.72	5.70	17.00	11.30
	4	0.73	0.83	1.56	1.93	11.00	9.07	0.86	2.11	2.97	4.73	17.00	12.27
	8	0.95	1.09	2.04	3.10	11.00	7.90	1.12	2.78	3.90	5.91	17.00	11.09
5700	0	0.87	0.80	1.67	2.23	11.00	8.77	1.02	2.05	3.07	4.87	17.00	12.13
	4	0.70	0.71	1.42	1.51	11.00	9.49	0.83	1.82	2.64	4.22	17.00	12.78
	8	0.88	0.87	1.75	2.44	11.00	8.56	1.04	2.22	3.26	5.13	17.00	11.87
5745	0	1.44	1.25	2.69	4.30	30.00	25.70	1.70	3.19	4.89	6.89	36.00	29.11
	4	1.52	1.31	2.83	4.52	30.00	25.48	1.78	3.35	5.14	7.11	36.00	28.89
	8	1.68	1.34	3.02	4.80	30.00	25.20	1.97	3.42	5.39	7.32	36.00	28.68
5785	0	1.38	1.59	2.97	4.73	30.00	25.27	1.63	4.05	5.68	7.54	36.00	28.46
	4	1.60	1.61	3.21	5.07	30.00	24.93	1.88	4.10	5.99	7.77	36.00	28.23
	8	1.48	1.61	3.09	4.90	30.00	25.10	1.74	4.10	5.84	7.67	36.00	28.33
5825	0	1.31	1.62	2.93	4.67	30.00	25.33	1.54	4.13	5.67	7.54	36.00	28.46
	4	1.56	1.52	3.08	4.88	30.00	25.12	1.83	3.87	5.71	7.56	36.00	28.44
	8	1.46	1.55	3.01	4.79	30.00	25.21	1.71	3.97	5.68	7.55	36.00	28.45

Tested Frequency [MHz]	RU Index	Ant 0								Ant 2							
		Duty Factor	RBW Conversion Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	PSD e.i.r.p.	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Cond.	PSD e.i.r.p.	Cond.	e.i.r.p.
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]		
5500	0	0.57	-	-14.27	2.98	10.01	0.70	-0.71	-0.01	-13.54	2.98	10.01	4.07	0.02	4.09	0.02	4.09
	4	0.57	-	-15.32	2.98	10.01	0.70	-1.76	-1.06	-14.80	2.98	10.01	4.07	-1.24	2.83		
	8	0.57	-	-13.97	2.98	10.01	0.70	-0.40	0.30	-13.37	2.98	10.01	4.07	0.19	4.26		
5580	0	0.57	-	-14.02	2.98	10.01	0.70	-0.46	0.24	-13.38	2.98	10.01	4.07	0.18	4.25	0.18	4.25
	4	0.57	-	-14.90	2.98	10.01	0.70	-1.34	-0.64	-14.39	2.98	10.01	4.07	-0.83	3.24		
	8	0.57	-	-13.76	2.98	10.01	0.70	-0.20	0.50	-13.20	2.98	10.01	4.07	0.36	4.43		
5700	0	0.57	-	-14.18	2.99	10.01	0.70	-0.61	0.09	-14.53	2.99	10.01	4.07	-0.95	3.12	-0.95	3.12
	4	0.57	-	-15.09	2.99	10.01	0.70	-1.52	-0.82	-15.05	2.99	10.01	4.07	-1.48	2.59		
	8	0.57	-	-14.10	2.99	10.01	0.70	-0.53	0.17	-14.19	2.99	10.01	4.07	-0.61	3.46		
5745	0	0.57	0.27	-12.26	3.00	10.01	0.70	1.59	2.29	-12.89	3.00	10.02	4.07	0.97	5.04	0.97	5.04
	4	0.57	0.27	-12.04	3.00	10.01	0.70	1.81	2.51	-12.68	3.00	10.02	4.07	1.18	5.25		
	8	0.57	0.27	-11.60	3.00	10.01	0.70	2.25	2.95	-12.60	3.00	10.02	4.07	1.26	5.33		
5785	0	0.57	0.27	-12.44	3.00	10.01	0.70	1.41	2.11	-11.85	3.00	10.02	4.07	2.01	6.08	2.01	6.08
	4	0.57	0.27	-11.80	3.00	10.01	0.70	2.05	2.75	-11.80	3.00	10.02	4.07	2.06	6.13		
	8	0.57	0.27	-12.15	3.00	10.01	0.70	1.70	2.40	-11.80	3.00	10.02	4.07	2.06	6.13		
5825	0	0.57	0.27	-12.68	3.00	10.01	0.70	1.17	1.87	-11.77	3.00	10.02	4.07	2.09	6.16	2.09	6.16
	4	0.57	0.27	-11.92	3.00	10.01	0.70	1.93	2.63	-12.05	3.00	10.02	4.07	1.81	5.88		
	8	0.57	0.27	-12.21	3.00	10.01	0.70	1.64	2.34	-11.94	3.00	10.02	4.07	1.92	5.99		

Sample Calculation:

PSD: Power Spectral Density

PSD (Conducted) Result = Reading + Cable Loss + Atten. Loss + Duty Factor + RBW Conversion Factor

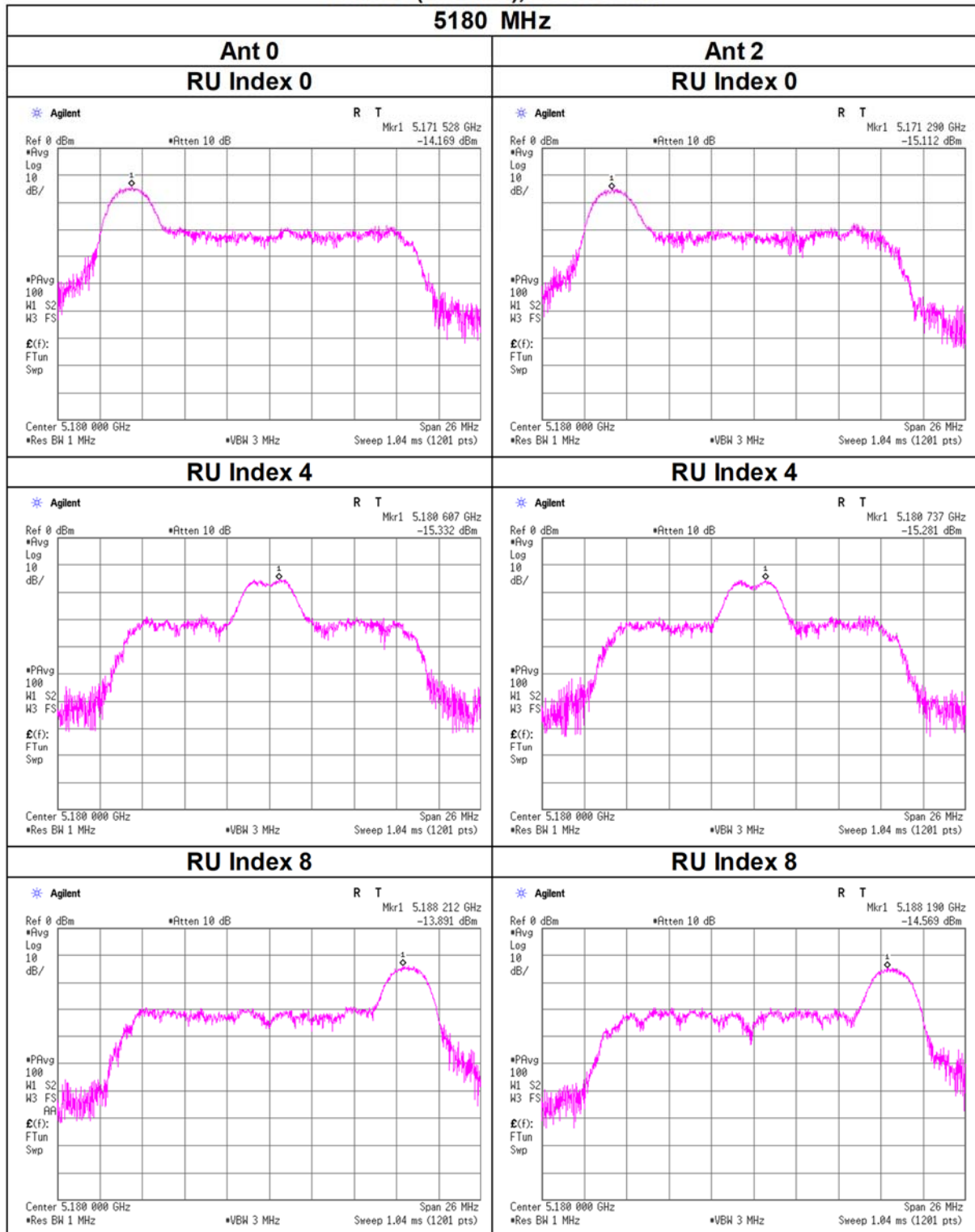
PSD (e.i.r.p.) Result = PSD (Conducted) Result + Antenna Gain

RBW Conversion Factor = $10 \times \log(500 \text{ [kHz]} / 470 \text{ [kHz]})$

Maximum Power Spectral Density

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

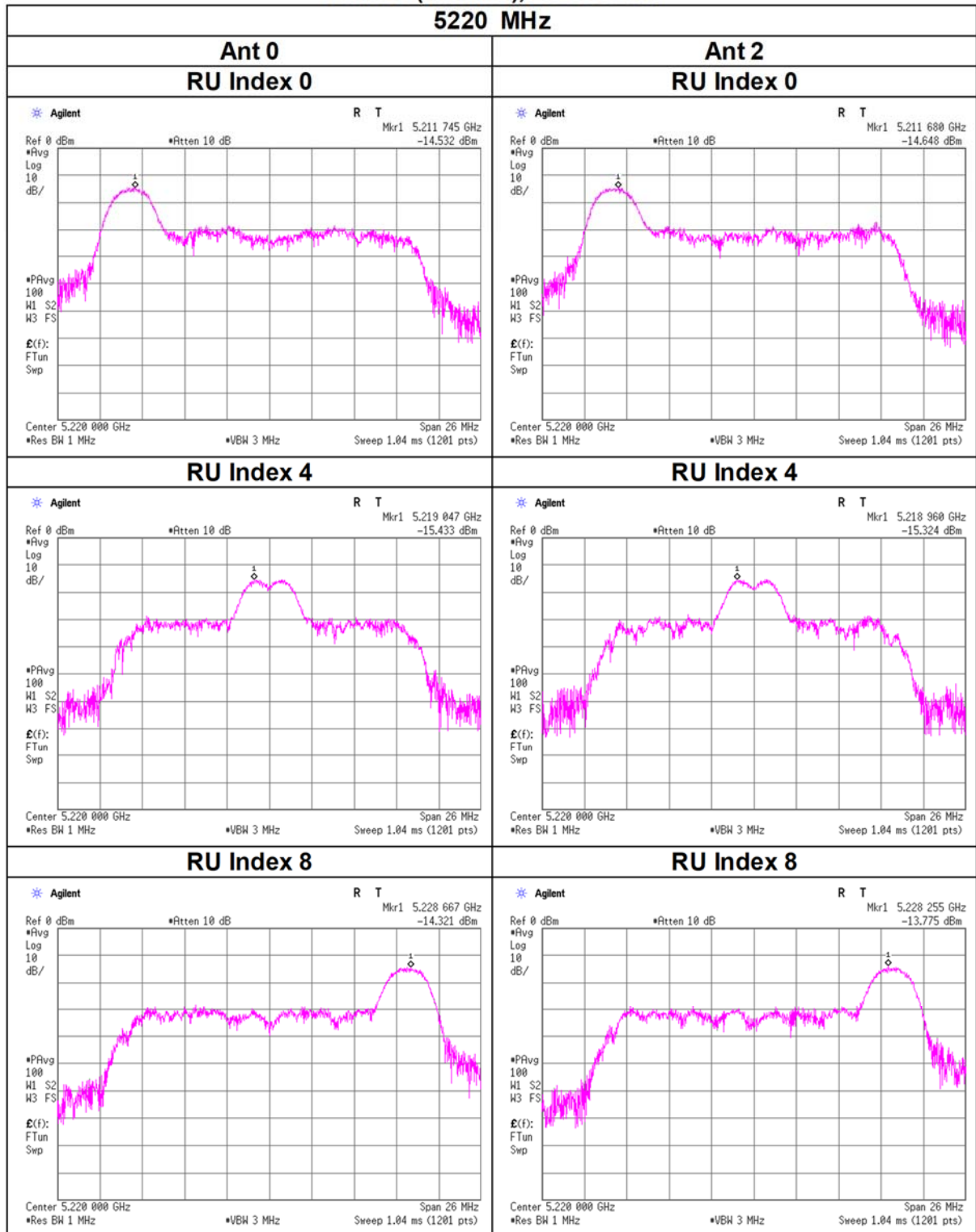
5180 MHz



Maximum Power Spectral Density

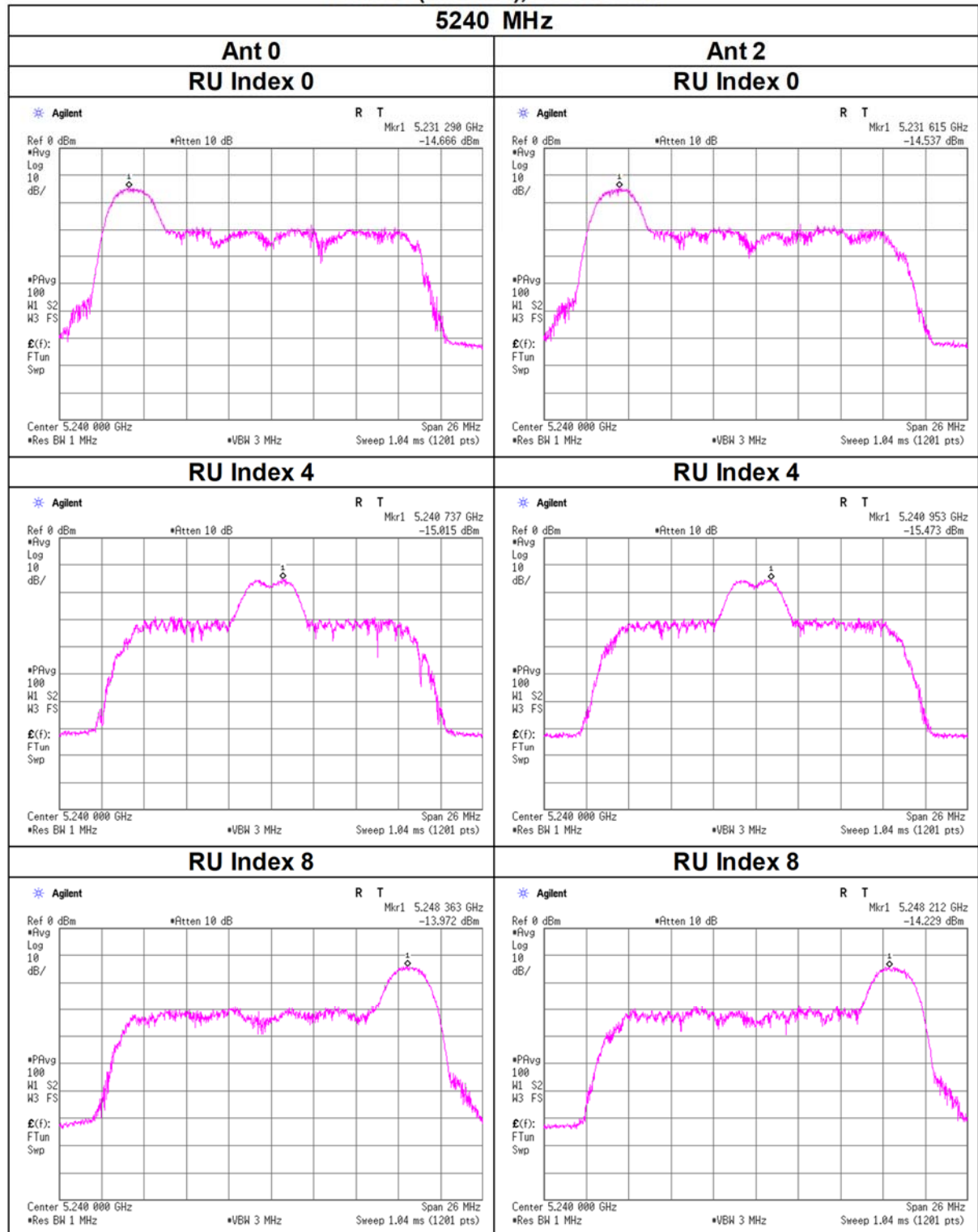
11ax-20(OFDMA), 26-tone RU

5220 MHz



Maximum Power Spectral Density

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



Maximum Power Spectral Density

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

5260 MHz

