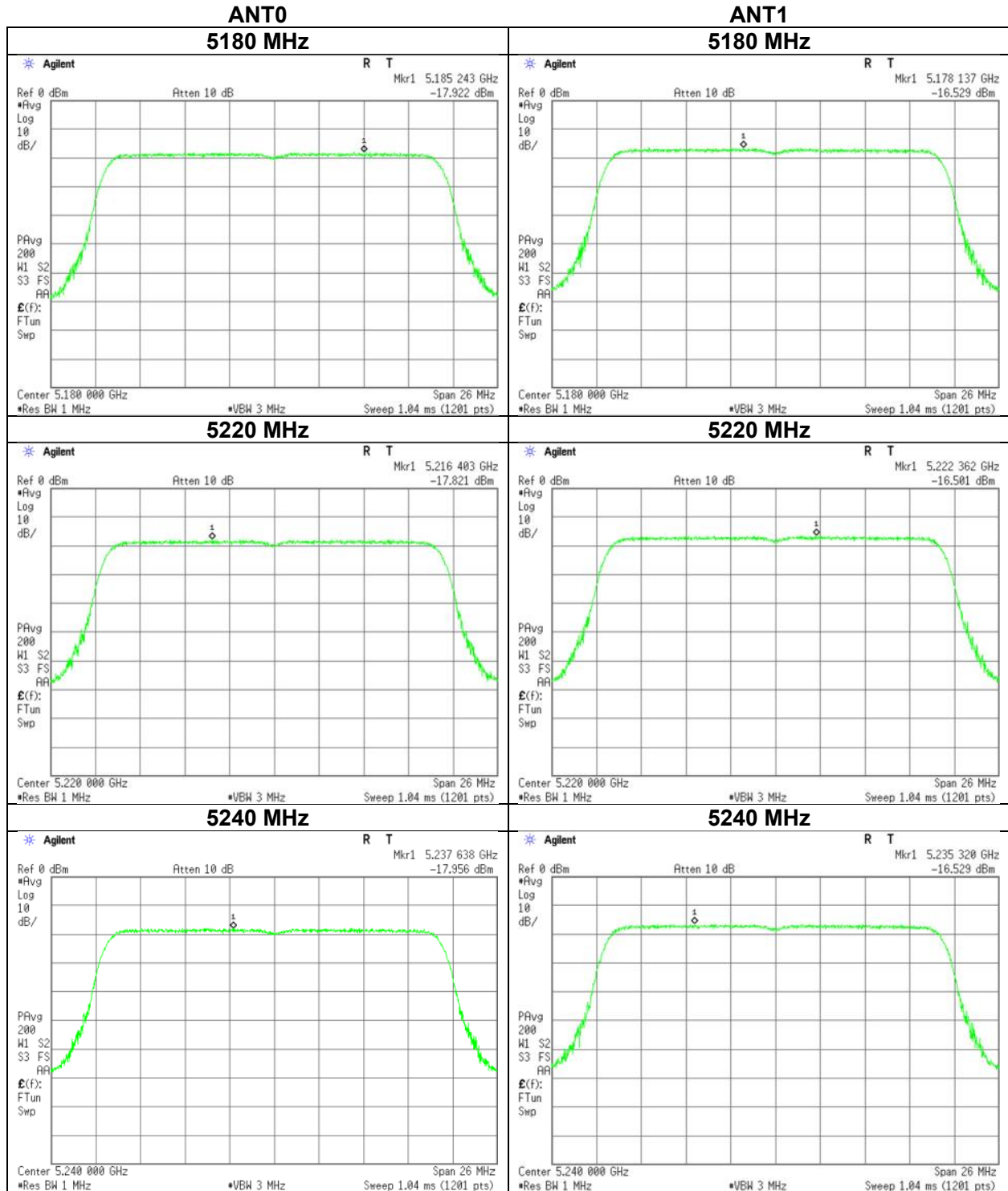


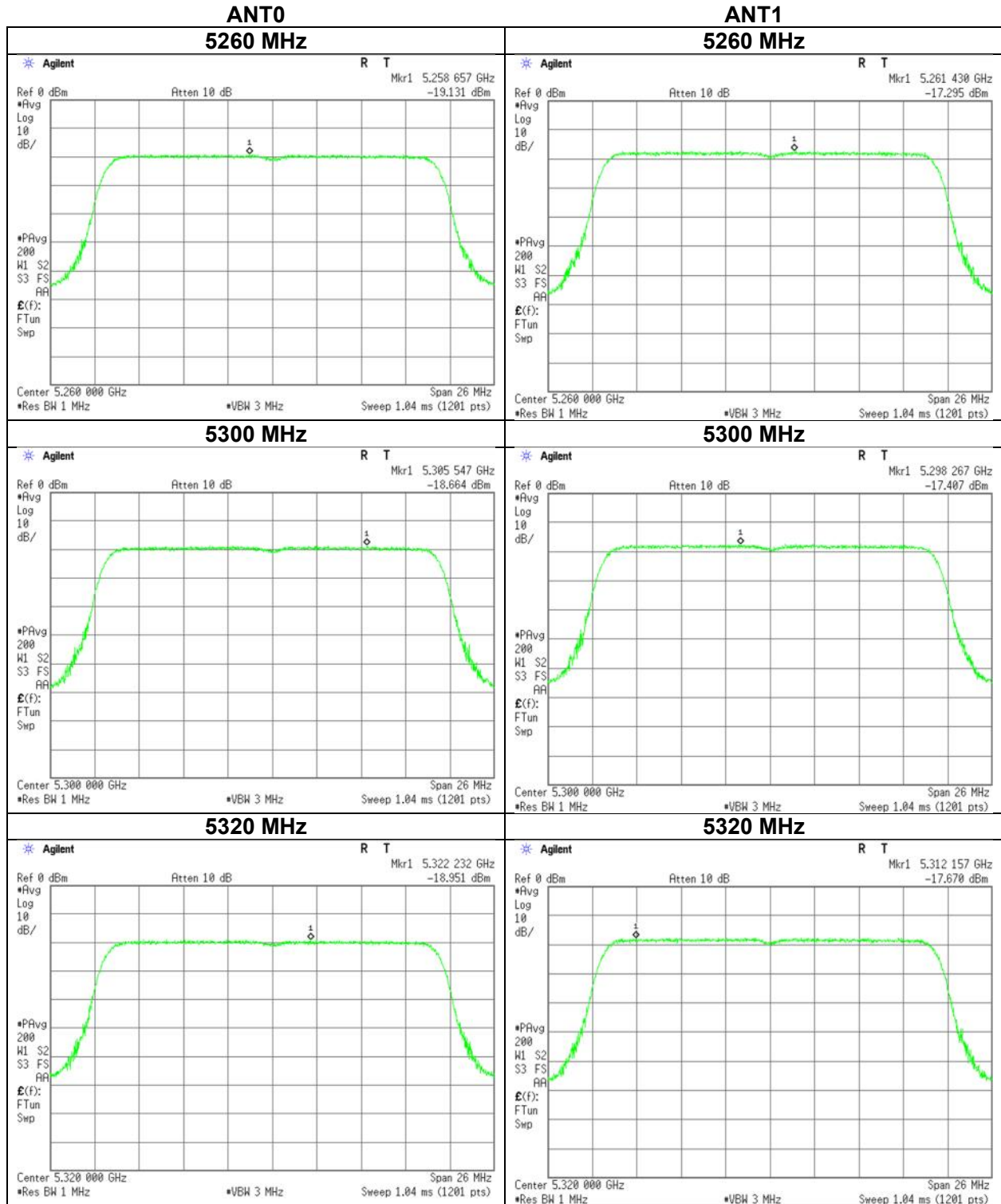
Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 11, 2023
Temperature / Humidity 25 deg. C / 52 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-20 (OFDM)



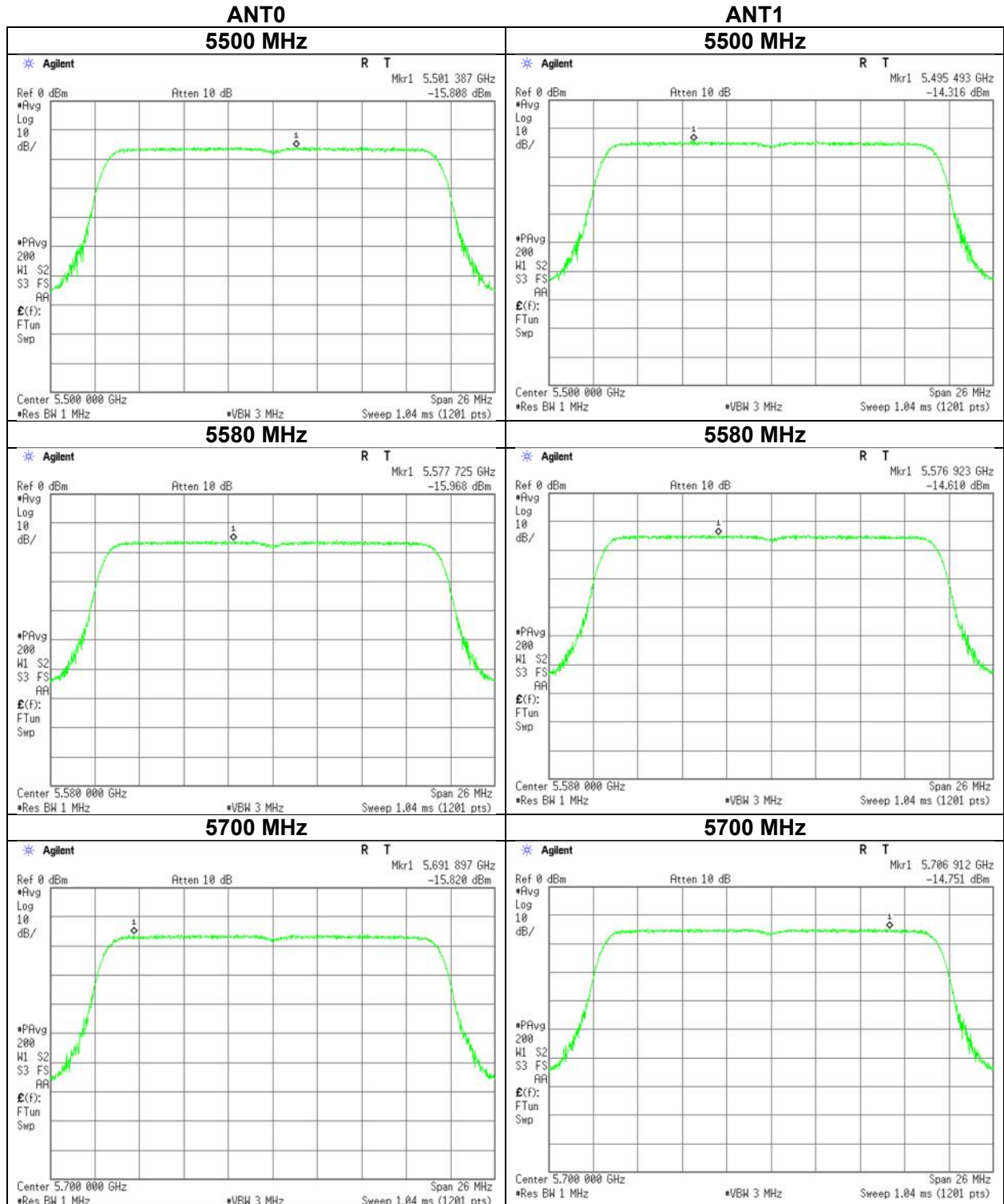
Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date November 23, 2023
Temperature / Humidity 25 deg. C / 53 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-20 (OFDM)



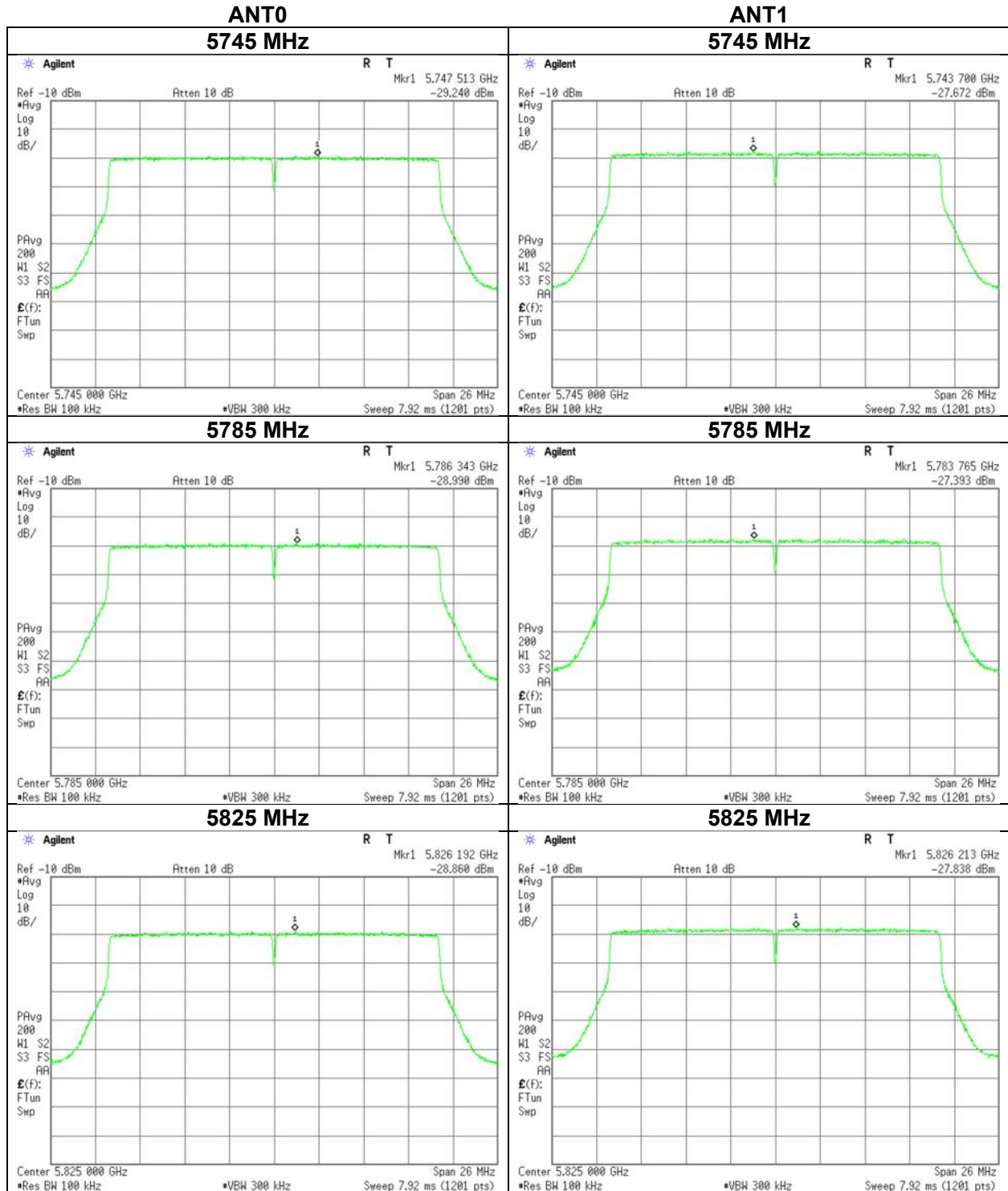
Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date November 23, 2023
Temperature / Humidity 25 deg. C / 53 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-20 (OFDM)



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date June 11, 2023
Temperature / Humidity 25 deg. C / 52 % RH
Engineer Shiro Kobayashi
Mode Tx 11ax-20 (OFDM)



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date December 3, 2023 December 4, 2023 December 6, 2023
Temperature / Humidity 23 deg. C / 36 % RH 23 deg. C / 47 % RH 23 deg. C / 30 % RH
Engineer Yosuke Murakami Hiromasa Sato Yosuke Murakami
Mode Tx 11ax-20 (OFDMA) 26-tone RU

ANT0 + ANT1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	Antenna			Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]
		ANT0 [mW/MHz]	ANT1 [mW/MHz]	2 port [mW/MHz]				ANT0 [mW/MHz]	ANT1 [mW/MHz]	2 port [mW/MHz]			
5180	0	0.16	0.26	0.42	-3.78	8.84	12.62	1.02	1.73	2.74	4.38	17.00	12.62
	4	0.12	0.20	0.32	-4.98	8.84	13.82	0.78	1.30	2.08	3.18	17.00	13.82
	8	0.16	0.22	0.37	-4.27	8.84	13.11	1.02	1.43	2.45	3.89	17.00	13.11
5220	0	0.18	0.28	0.46	-3.38	8.84	12.22	1.18	1.82	3.00	4.78	17.00	12.22
	4	0.16	0.19	0.35	-4.59	8.84	13.43	1.05	1.22	2.27	3.57	17.00	13.43
	8	0.19	0.23	0.42	-3.80	8.84	12.64	1.22	1.51	2.73	4.36	17.00	12.64
5240	0	0.14	0.22	0.36	-4.39	8.84	13.23	0.95	1.44	2.38	3.77	17.00	13.23
	4	0.14	0.18	0.32	-4.94	8.84	13.78	0.90	1.20	2.10	3.22	17.00	13.78
	8	0.16	0.28	0.44	-3.57	8.84	12.41	1.05	1.83	2.88	4.59	17.00	12.41
5260	0	0.17	0.29	0.46	-3.33	8.84	12.17	1.13	1.92	3.04	4.83	17.00	12.17
	4	0.15	0.24	0.39	-4.11	8.84	12.95	0.96	1.58	2.54	4.05	17.00	12.95
	8	0.17	0.29	0.46	-3.33	8.84	12.17	1.13	1.91	3.04	4.83	17.00	12.17
5300	0	0.19	0.28	0.47	-3.26	8.84	12.10	1.24	1.85	3.09	4.90	17.00	12.10
	4	0.15	0.23	0.38	-4.19	8.84	13.03	1.01	1.49	2.50	3.97	17.00	13.03
	8	0.19	0.26	0.46	-3.40	8.84	12.24	1.28	1.72	2.99	4.76	17.00	12.24
5320	0	0.18	0.26	0.44	-3.53	8.84	12.37	1.19	1.72	2.90	4.63	17.00	12.37
	4	0.15	0.22	0.37	-4.33	8.84	13.17	0.96	1.46	2.42	3.83	17.00	13.17
	8	0.16	0.30	0.46	-3.39	8.84	12.23	1.06	1.93	3.00	4.77	17.00	12.23

Tested Frequency [MHz]	RU Index	ANT0							ANT1						
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna 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]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]
5180	0	0.00	0.00	-21.11	3.04	9.98	8.16	-8.09	0.07	-18.93	3.06	10.09	8.16	-5.78	2.38
	4	0.00	0.00	-22.25	3.04	9.98	8.16	-9.23	-1.07	-20.18	3.06	10.09	8.16	-7.03	1.13
	8	0.00	0.00	-21.11	3.04	9.98	8.16	-8.09	0.07	-19.75	3.06	10.09	8.16	-6.61	1.55
5220	0	0.00	0.00	-20.46	3.05	9.98	8.16	-7.42	0.74	-18.71	3.06	10.09	8.16	-5.56	2.60
	4	0.00	0.00	-20.97	3.05	9.98	8.16	-7.94	0.22	-20.44	3.06	10.09	8.16	-7.29	0.87
	8	0.00	0.00	-20.32	3.05	9.98	8.16	-7.29	0.87	-19.53	3.06	10.09	8.16	-6.38	1.78
5240	0	0.00	0.00	-21.44	3.06	9.98	8.16	-8.40	-0.24	-19.73	3.06	10.09	8.16	-6.59	1.57
	4	0.00	0.00	-21.65	3.06	9.98	8.16	-8.61	-0.45	-20.52	3.06	10.09	8.16	-7.37	0.79
	8	0.00	0.00	-20.98	3.06	9.98	8.16	-7.95	0.21	-18.69	3.06	10.09	8.16	-5.54	2.62
5260	0	0.00	0.00	-20.69	3.06	9.98	8.16	-7.65	0.51	-18.50	3.08	10.09	8.16	-5.33	2.83
	4	0.00	0.00	-21.37	3.06	9.98	8.16	-8.33	-0.17	-19.34	3.08	10.09	8.16	-6.17	1.99
	8	0.00	0.00	-20.69	3.06	9.98	8.16	-7.65	0.51	-18.51	3.08	10.09	8.16	-5.34	2.82
5300	0	0.00	0.00	-20.29	3.08	9.98	8.16	-7.23	0.93	-18.66	3.08	10.09	8.16	-5.49	2.67
	4	0.00	0.00	-21.18	3.08	9.98	8.16	-8.12	0.04	-19.61	3.08	10.09	8.16	-6.43	1.73
	8	0.00	0.00	-20.16	3.08	9.98	8.16	-7.10	1.06	-18.98	3.08	10.09	8.16	-5.81	2.35
5320	0	0.00	0.00	-20.48	3.08	9.98	8.16	-7.42	0.74	-18.99	3.08	10.09	8.16	-5.82	2.34
	4	0.00	0.00	-21.41	3.08	9.98	8.16	-8.35	-0.19	-19.69	3.08	10.09	8.16	-6.51	1.65
	8	0.00	0.00	-20.95	3.08	9.98	8.16	-7.89	0.27	-18.47	3.08	10.09	8.16	-5.30	2.86

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted)[dBm/MHz] = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

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

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 IC)

* The Duty Factor is 0 dB, since this measurement was performed only on the on time using the gate function of spectrum analyzer.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date December 3, 2023
Temperature / Humidity 23 deg. C / 36 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-20 (OFDMA) 26-tone RU

ANT0 + ANT1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		ANT0 [mW/MHz]	ANT1 [mW/MHz]	2 port [mW/MHz]				ANT0 [mW/MHz]	ANT1 [mW/MHz]	2 port [mW/MHz]			
5500	0	0.34	0.55	0.89	-0.50	10.45	10.95	1.52	2.51	4.03	6.05	17.00	10.95
	4	0.30	0.45	0.75	-1.25	10.45	11.70	1.36	2.03	3.39	5.30	17.00	11.70
	8	0.37	0.51	0.88	-0.55	10.45	11.00	1.69	2.29	3.98	6.00	17.00	11.00
5580	0	0.39	0.56	0.96	-0.19	10.45	10.64	1.77	2.55	4.32	6.36	17.00	10.64
	4	0.31	0.49	0.80	-0.96	10.45	11.41	1.41	2.21	3.62	5.59	17.00	11.41
	8	0.34	0.52	0.86	-0.64	10.45	11.09	1.54	2.36	3.90	5.91	17.00	11.09
5700	0	0.32	0.47	0.80	-1.00	10.45	11.45	1.47	2.12	3.59	5.55	17.00	11.45
	4	0.29	0.36	0.66	-1.82	10.45	12.27	1.33	1.64	2.97	4.73	17.00	12.27
	8	0.33	0.42	0.75	-1.26	10.45	11.71	1.48	1.90	3.38	5.29	17.00	11.71
5745	0	0.09	0.13	0.21	-6.68	29.93	36.61	0.34	0.52	0.87	-0.61	36.00	36.61
	4	0.09	0.13	0.22	-6.61	29.93	36.54	0.35	0.53	0.88	-0.54	36.00	36.54
	8	0.09	0.11	0.20	-6.96	29.93	36.89	0.37	0.45	0.82	-0.89	36.00	36.89
5785	0	0.08	0.13	0.21	-6.73	29.93	36.66	0.32	0.54	0.86	-0.66	36.00	36.66
	4	0.09	0.14	0.23	-6.38	29.93	36.31	0.38	0.55	0.93	-0.31	36.00	36.31
	8	0.08	0.13	0.22	-6.67	29.93	36.60	0.34	0.53	0.87	-0.60	36.00	36.60
5825	0	0.09	0.14	0.23	-6.33	29.93	36.26	0.38	0.56	0.94	-0.26	36.00	36.26
	4	0.09	0.14	0.23	-6.31	29.93	36.24	0.37	0.57	0.95	-0.24	36.00	36.24
	8	0.08	0.13	0.22	-6.64	29.93	36.57	0.34	0.53	0.88	-0.57	36.00	36.57

Tested Frequency [MHz]	RU Index	ANT0							ANT1						
		Duty Factor	RBW Correction Factor	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Result	PSD Reading	Cable Loss	Atten. Loss	Antenna Gain	PSD Result	PSD Result
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	Cond.	e.i.r.p.	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	e.i.r.p.
5500	0	0.00	0.00	-17.85	3.13	9.98	6.55	-4.73	1.82	-15.80	3.15	10.09	6.55	-2.56	3.99
	4	0.00	0.00	-18.34	3.13	9.98	6.55	-5.22	1.33	-16.71	3.15	10.09	6.55	-3.47	3.08
	8	0.00	0.00	-17.38	3.13	9.98	6.55	-4.26	2.29	-16.20	3.15	10.09	6.55	-2.96	3.59
5580	0	0.00	0.00	-17.20	3.16	9.98	6.55	-4.07	2.48	-15.75	3.18	10.09	6.55	-2.48	4.07
	4	0.00	0.00	-18.19	3.16	9.98	6.55	-5.05	1.50	-16.37	3.18	10.09	6.55	-3.10	3.45
	8	0.00	0.00	-17.82	3.16	9.98	6.55	-4.68	1.87	-16.08	3.18	10.09	6.55	-2.81	3.74
5700	0	0.00	0.00	-18.05	3.19	9.98	6.55	-4.88	1.67	-16.58	3.21	10.09	6.55	-3.28	3.27
	4	0.00	0.00	-18.48	3.19	9.98	6.55	-5.30	1.25	-17.72	3.21	10.09	6.55	-4.41	2.14
	8	0.00	0.00	-18.02	3.19	9.98	6.55	-4.85	1.70	-17.07	3.21	10.09	6.55	-3.76	2.79
5745	0	0.00	6.99	-30.87	3.20	9.98	6.07	-10.69	-4.62	-29.19	3.22	10.09	6.07	-8.88	-2.81
	4	0.00	6.99	-30.81	3.20	9.98	6.07	-10.64	-4.57	-29.10	3.22	10.09	6.07	-8.79	-2.72
	8	0.00	6.99	-30.59	3.20	9.98	6.07	-10.41	-4.34	-29.87	3.22	10.09	6.07	-9.56	-3.49
5785	0	0.00	6.99	-31.25	3.22	9.98	6.07	-11.06	-4.99	-29.05	3.24	10.10	6.07	-8.73	-2.66
	4	0.00	6.99	-30.49	3.22	9.98	6.07	-10.30	-4.23	-28.96	3.24	10.10	6.07	-8.64	-2.57
	8	0.00	6.99	-30.93	3.22	9.98	6.07	-10.75	-4.68	-29.14	3.24	10.10	6.07	-8.82	-2.75
5825	0	0.00	6.99	-30.46	3.23	9.98	6.07	-10.26	-4.19	-28.91	3.25	10.10	6.07	-8.58	-2.51
	4	0.00	6.99	-30.54	3.23	9.98	6.07	-10.34	-4.27	-28.83	3.25	10.10	6.07	-8.50	-2.43
	8	0.00	6.99	-30.93	3.23	9.98	6.07	-10.73	-4.66	-29.12	3.25	10.10	6.07	-8.79	-2.72

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted)[dBm/MHz] = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

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

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 IC)

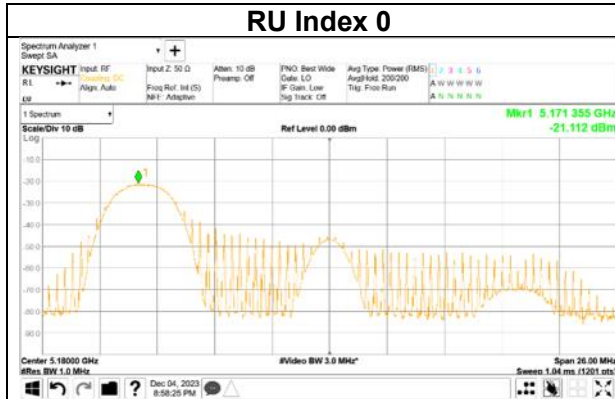
* The Duty Factor is 0 dB, since this measurement was performed only on the on time using the gate function of spectrum analyzer.

Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5180 MHz

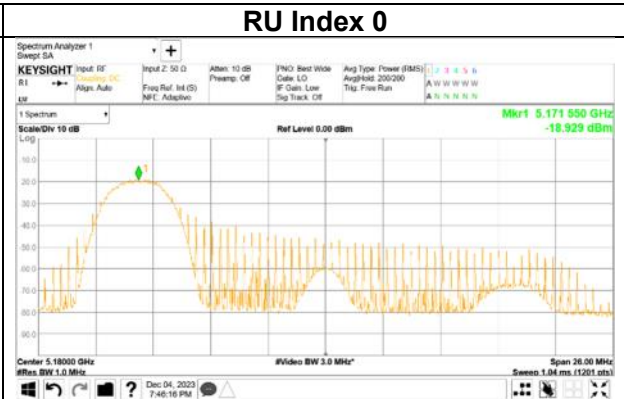
ANT0

RU Index 0

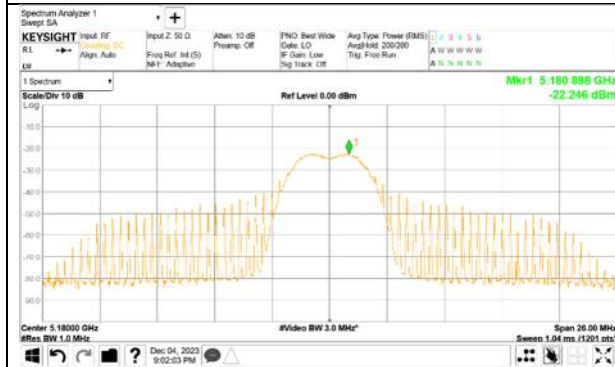


ANT1

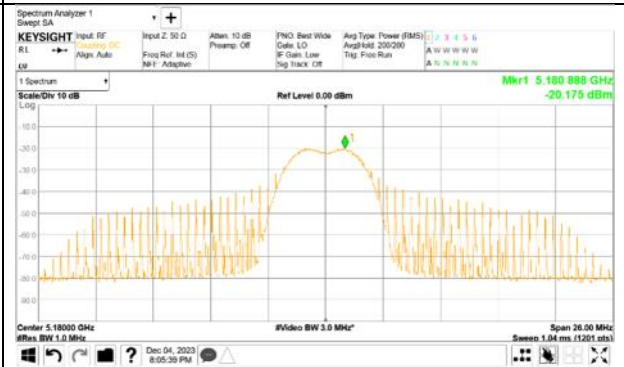
RU Index 0



RU Index 4



RU Index 4



RU Index 8



RU Index 8

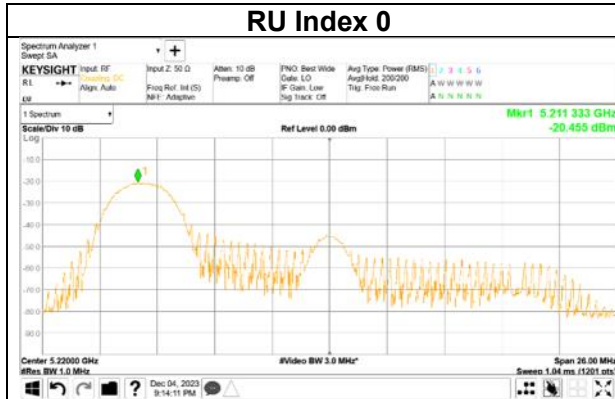


Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5220 MHz

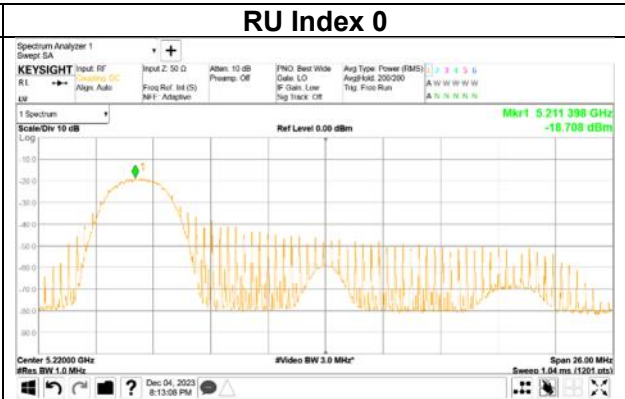
ANT0

RU Index 0

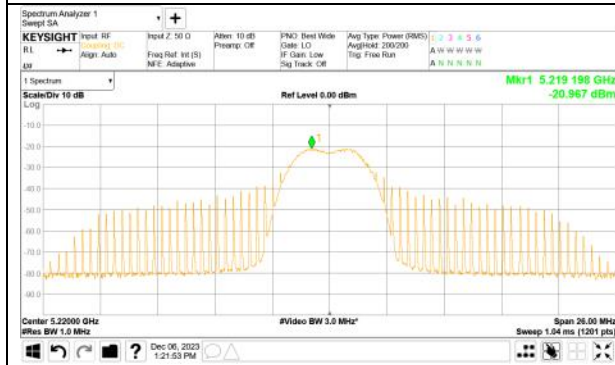


ANT1

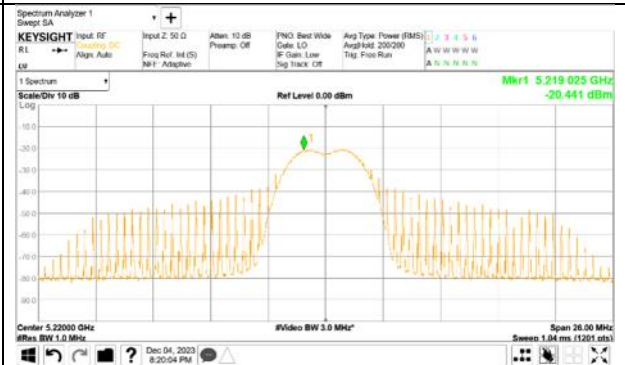
RU Index 0



RU Index 4



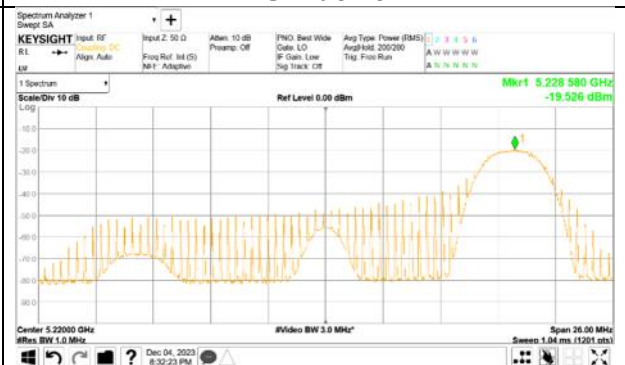
RU Index 4



RU Index 8



RU Index 8

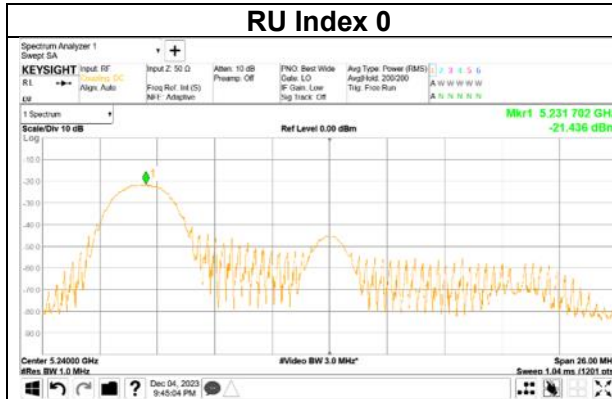


Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5240 MHz

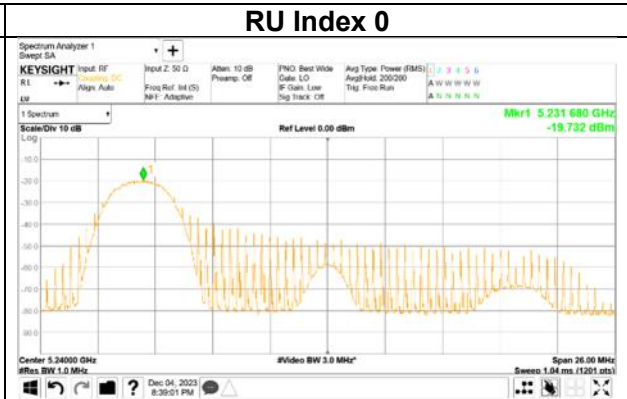
ANT0

RU Index 0

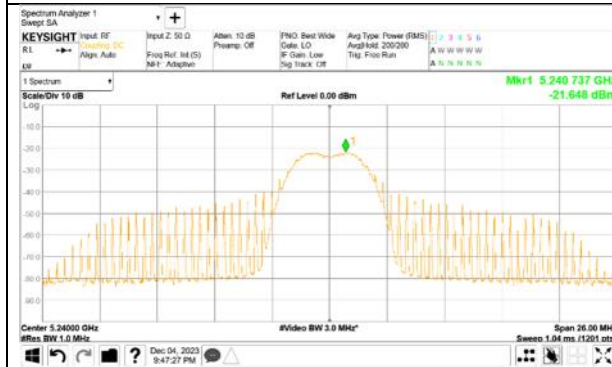


ANT1

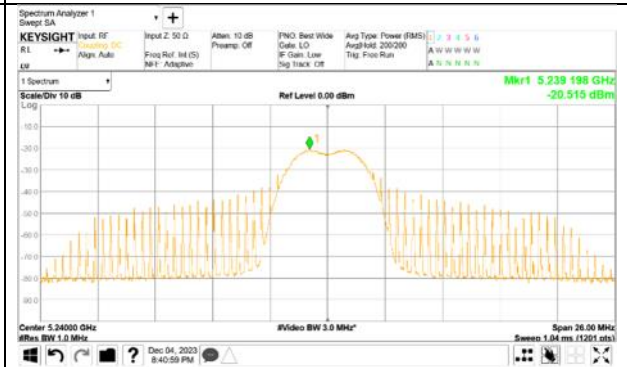
RU Index 0



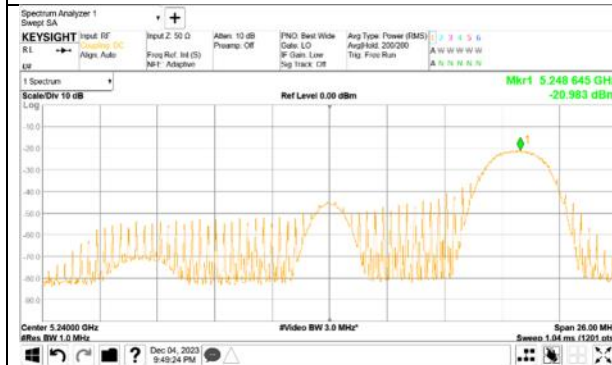
RU Index 4



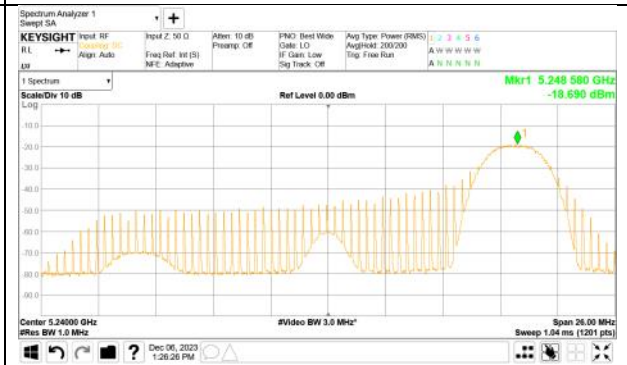
RU Index 4



RU Index 8



RU Index 8

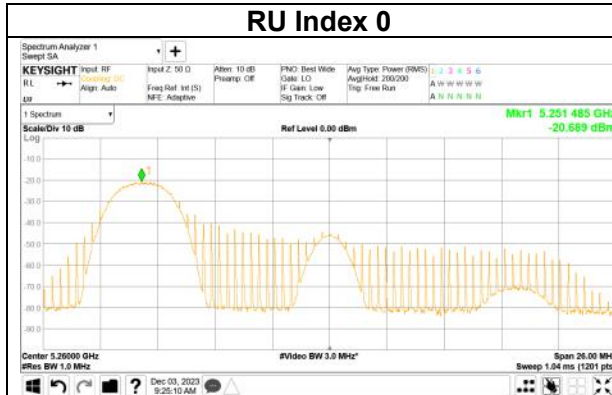


Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5260 MHz

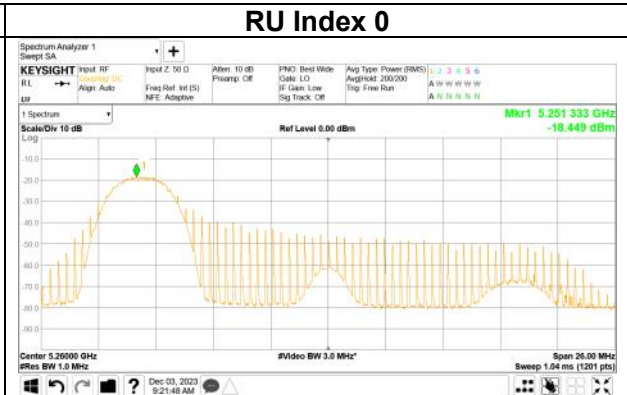
ANT0

RU Index 0



ANT1

RU Index 0



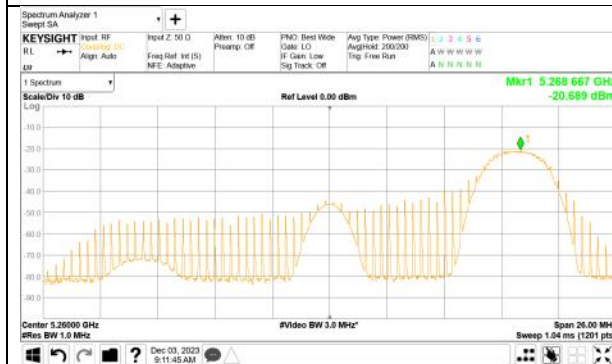
RU Index 4



RU Index 4



RU Index 8



RU Index 8

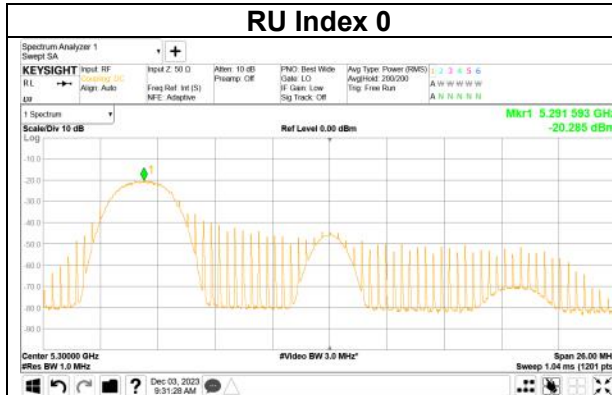


Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5300 MHz

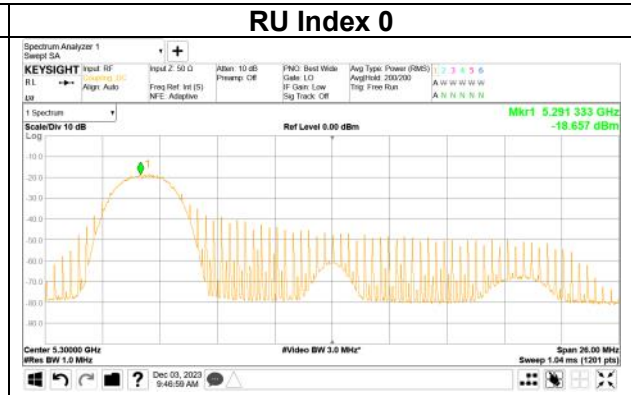
ANT0

RU Index 0



ANT1

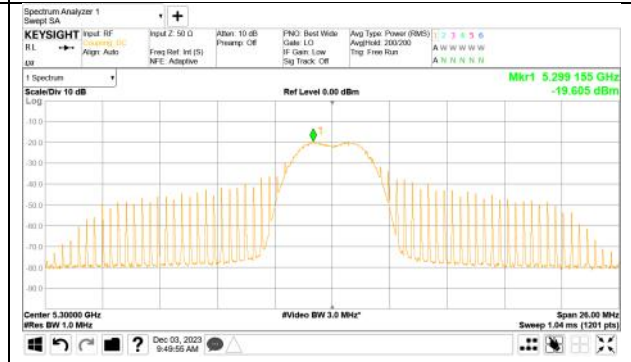
RU Index 0



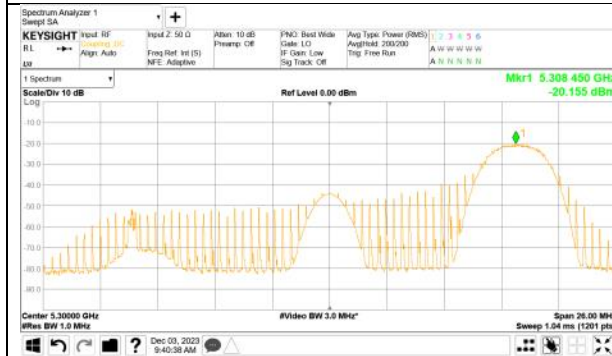
RU Index 4



RU Index 4



RU Index 8



RU Index 8

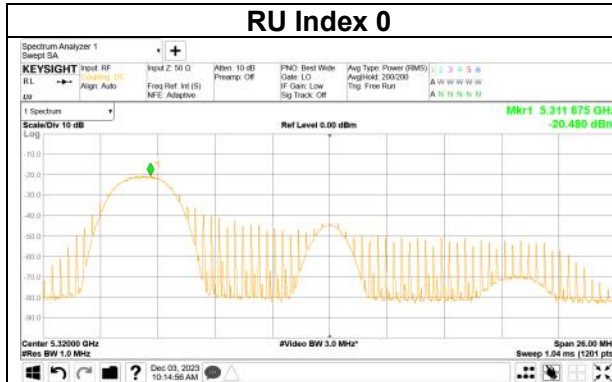


Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5320 MHz

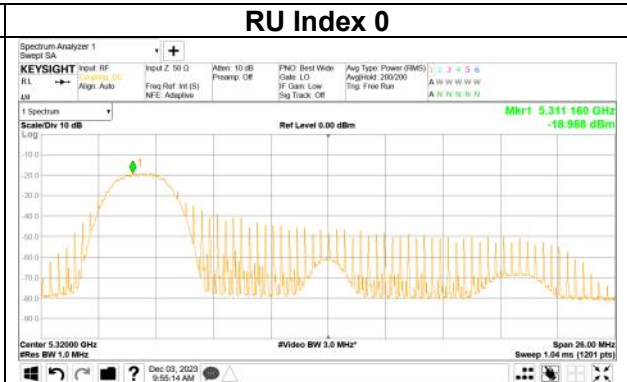
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RU Index 0



ANT1

RU Index 0



RU Index 4



RU Index 4



RU Index 8



RU Index 8

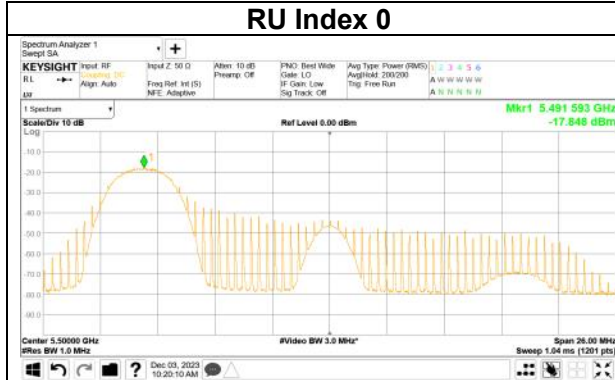


Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5500 MHz

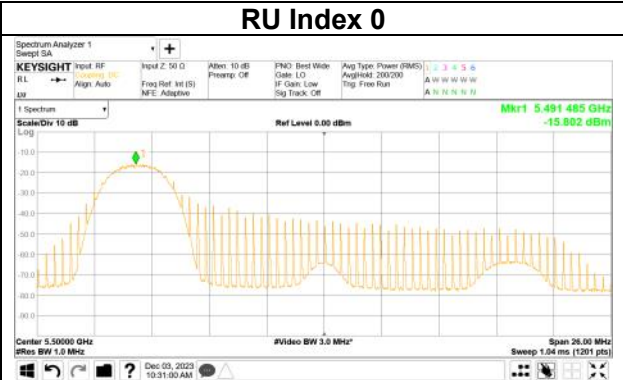
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RU Index 0

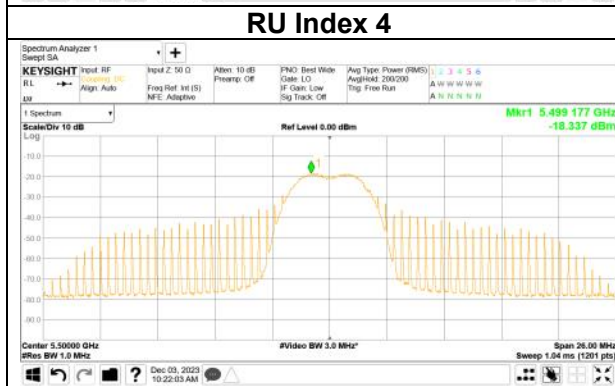


ANT1

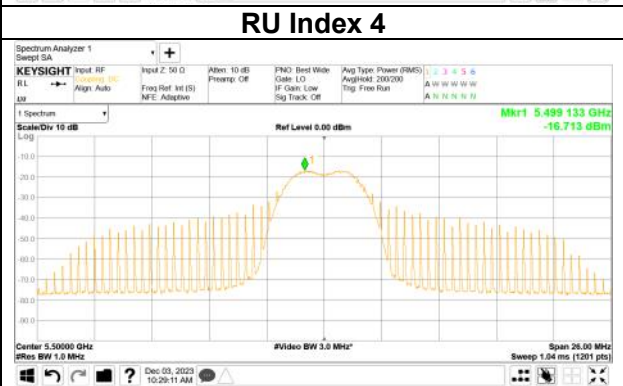
RU Index 0



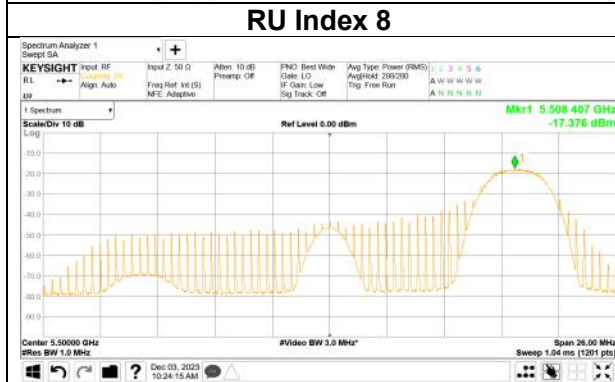
RU Index 4



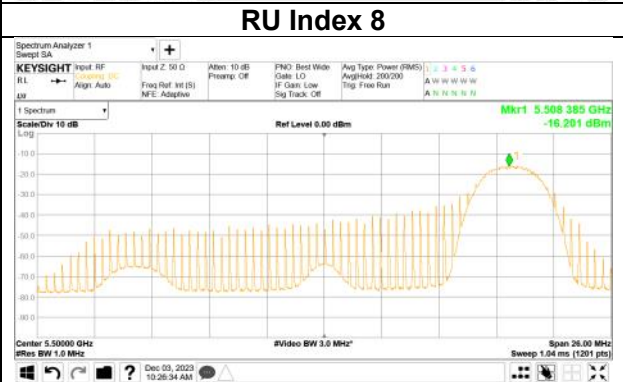
RU Index 4



RU Index 8

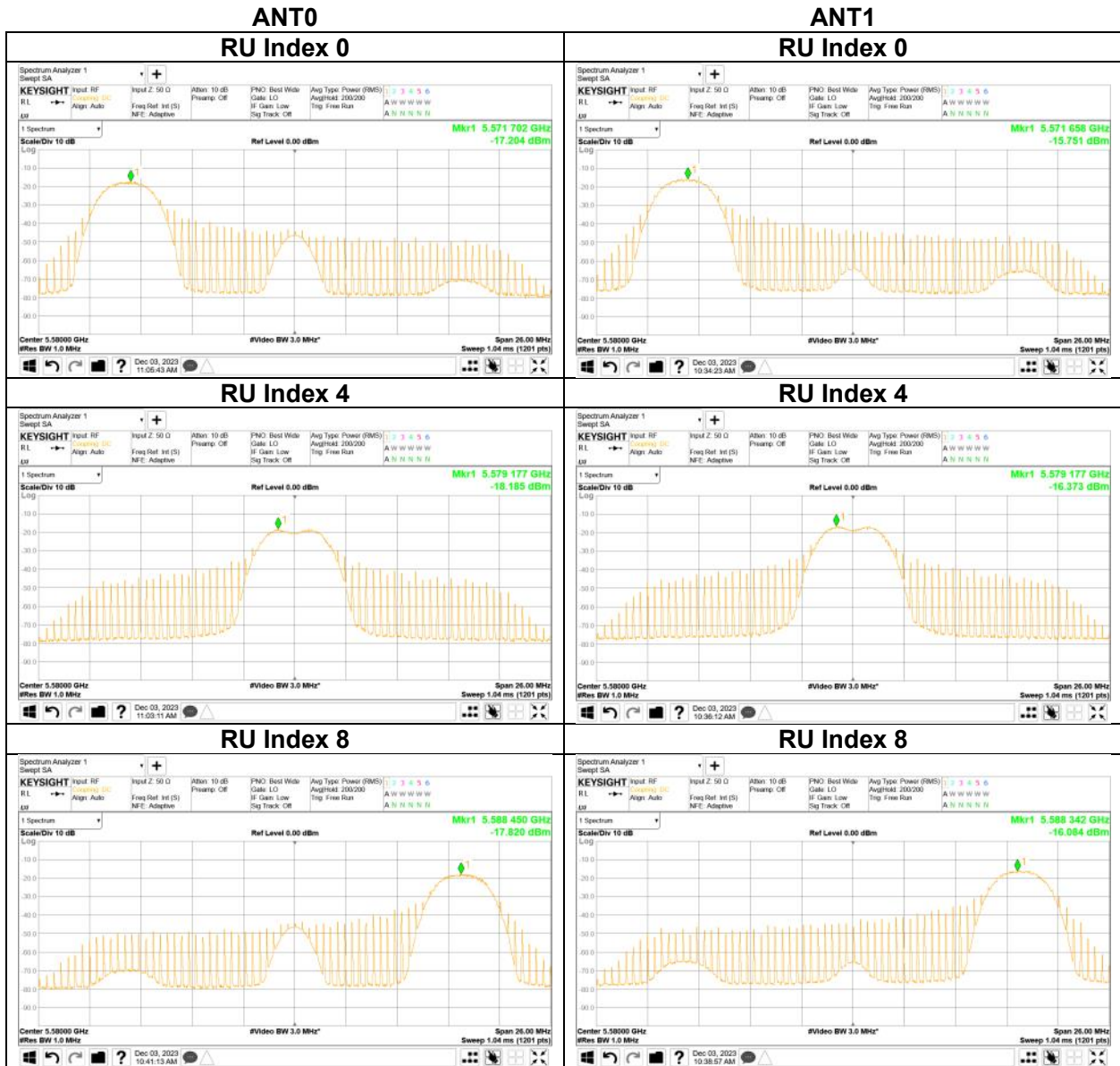


RU Index 8



Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5580 MHz

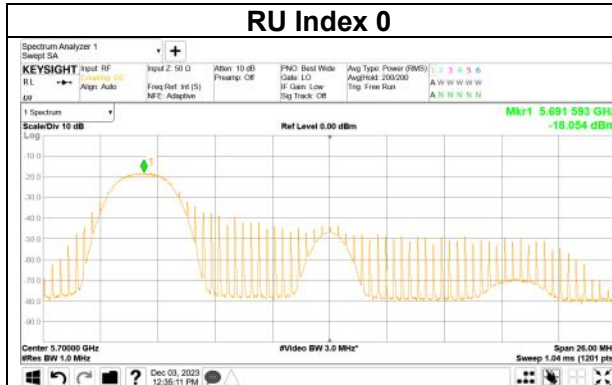


Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5700 MHz

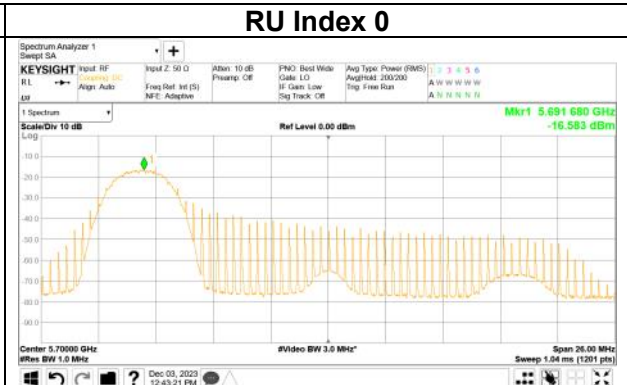
ANT0

RU Index 0



ANT1

RU Index 0



RU Index 4



RU Index 4



RU Index 8

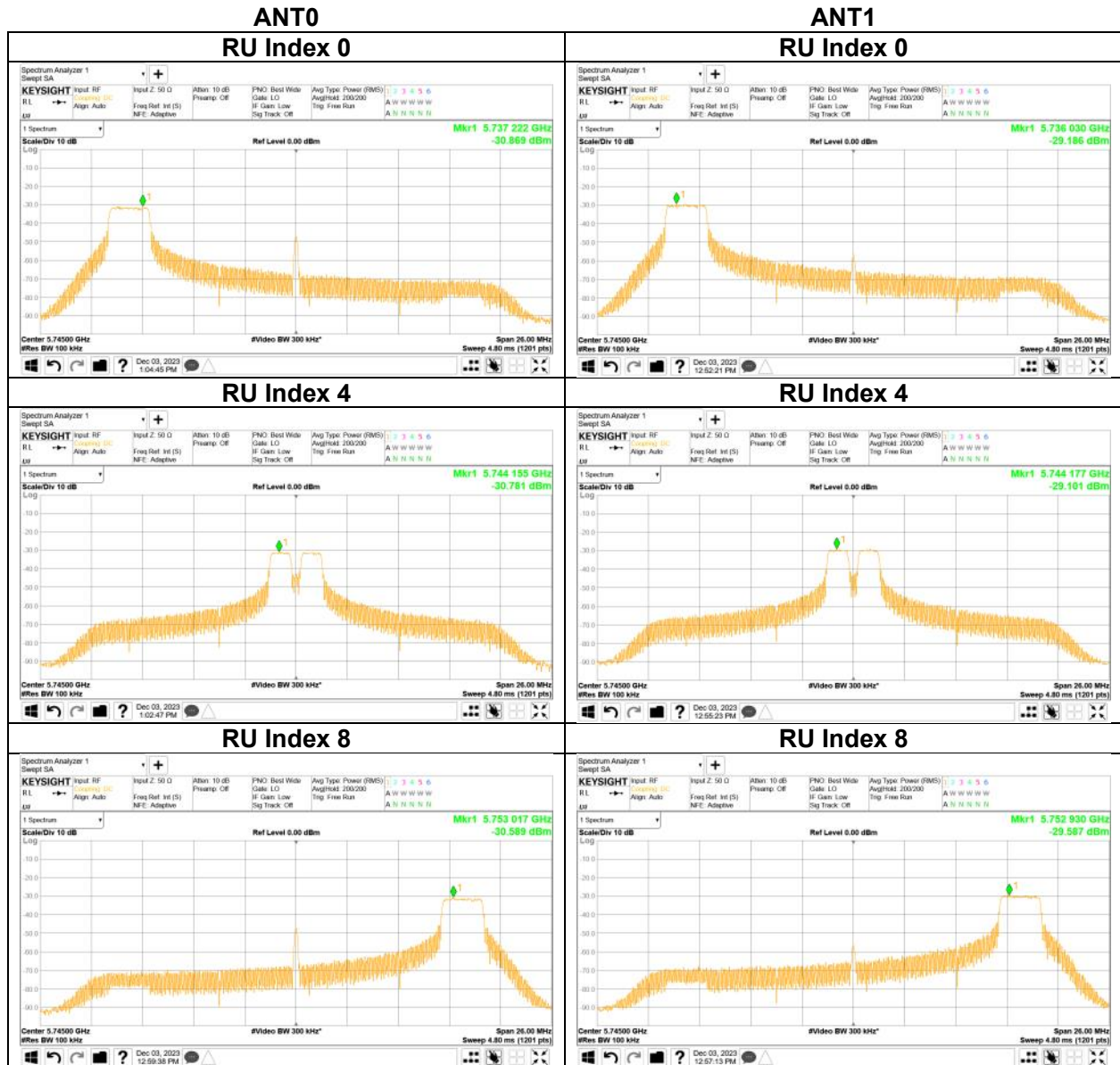


RU Index 8



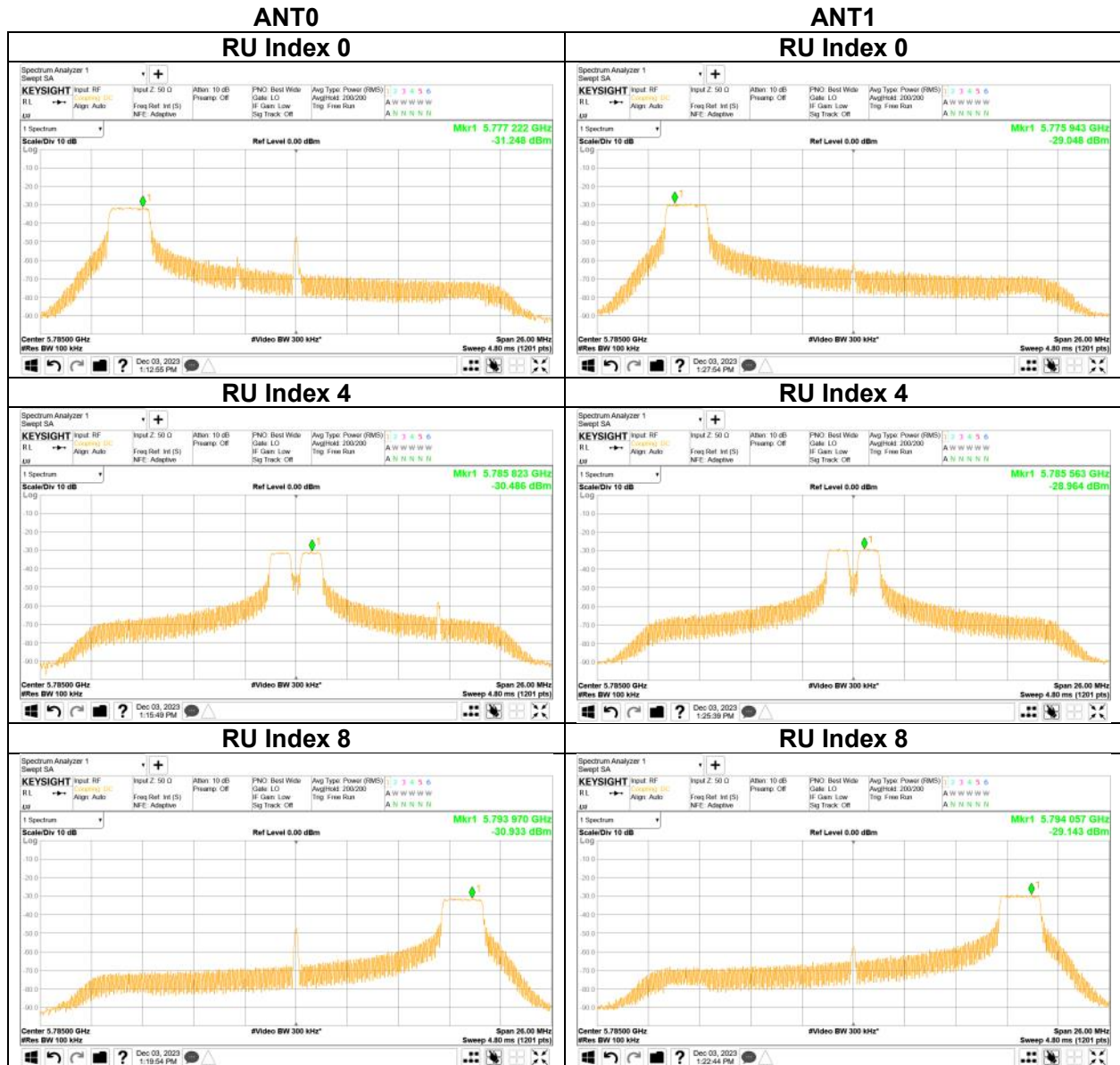
Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5745 MHz



Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5785 MHz

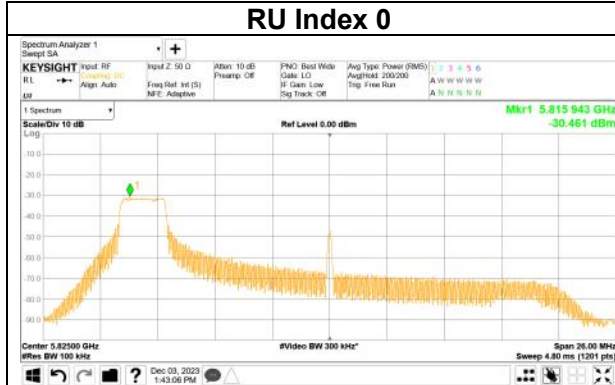


Maximum Power Spectral Density

11ax-20 (OFDMA)
26-tone RU 5825 MHz

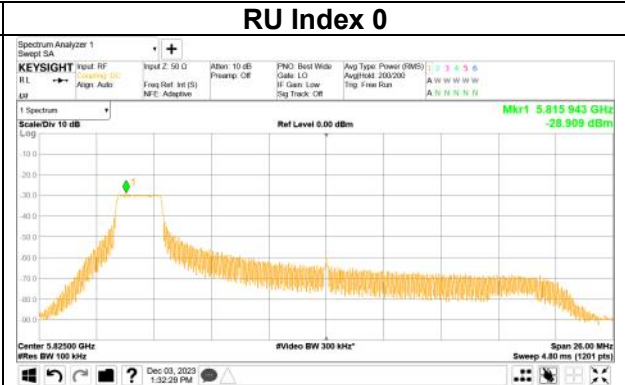
ANT0

RU Index 0

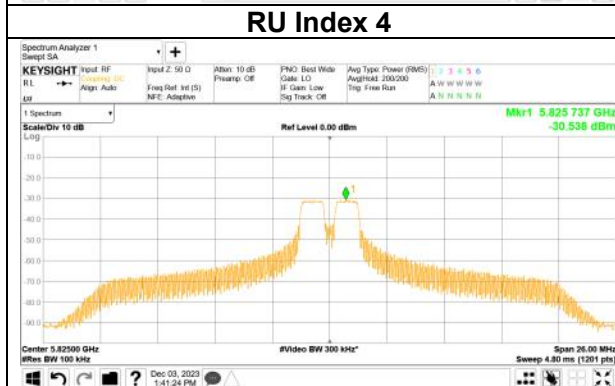


ANT1

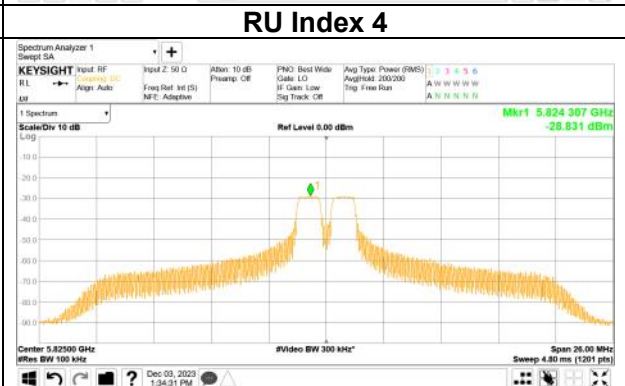
RU Index 0



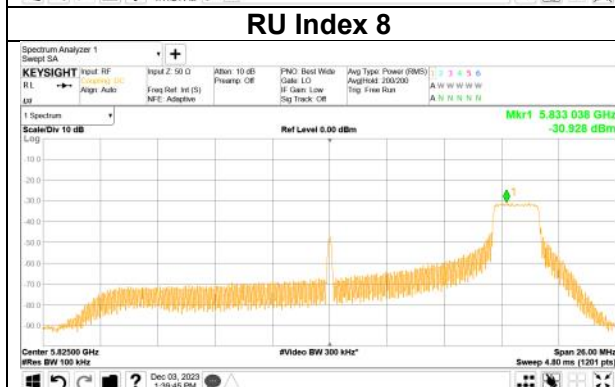
RU Index 4



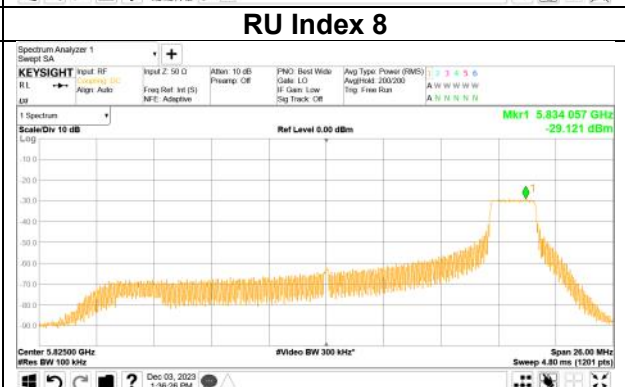
RU Index 4



RU Index 8



RU Index 8



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date December 5, 2023 December 6, 2023
Temperature / Humidity 24 deg. C / 30 % RH 23 deg. C / 30 % RH
Engineer Yosuke Murakami Yosuke Murakami
Mode Tx 11ax-20 (OFDMA) 52-tone RU

ANT0 + ANT1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)							PSD (e.i.r.p.)						
		Antenna ANT0 [mW/MHz]	Antenna ANT1 [mW/MHz]	2 port [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]		Antenna ANT0 [mW/MHz]	Antenna ANT1 [mW/MHz]	2 port [mW/MHz]	Result [dBm/MHz]	Limit [dBm/MHz]	Margin [dB]	
5180	37	0.22	0.33	0.54	-2.66	8.84	11.50		1.42	2.13	3.55	5.50	17.00	11.50	
	38	0.22	0.27	0.50	-3.02	8.84	11.86		1.47	1.79	3.27	5.14	17.00	11.86	
	40	0.20	0.27	0.47	-3.28	8.84	12.12		1.29	1.78	3.08	4.88	17.00	12.12	
5220	37	0.20	0.33	0.52	-2.80	8.84	11.64		1.28	2.15	3.43	5.36	17.00	11.64	
	38	0.21	0.38	0.60	-2.25	8.84	11.09		1.39	2.51	3.90	5.91	17.00	11.09	
	40	0.19	0.32	0.52	-2.87	8.84	11.71		1.27	2.11	3.38	5.29	17.00	11.71	
5240	37	0.22	0.36	0.59	-2.32	8.84	11.16		1.45	2.38	3.83	5.84	17.00	11.16	
	38	0.22	0.36	0.58	-2.37	8.84	11.21		1.44	2.35	3.79	5.79	17.00	11.21	
	40	0.23	0.34	0.56	-2.49	8.84	11.33		1.48	2.22	3.69	5.67	17.00	11.33	
5260	37	0.18	0.30	0.49	-3.14	8.84	11.98		1.20	1.98	3.18	5.02	17.00	11.98	
	38	0.19	0.33	0.52	-2.88	8.84	11.72		1.23	2.14	3.37	5.28	17.00	11.72	
	40	0.19	0.31	0.49	-3.08	8.84	11.92		1.21	2.01	3.22	5.08	17.00	11.92	
5300	37	0.22	0.33	0.55	-2.61	8.84	11.45		1.41	2.18	3.59	5.55	17.00	11.45	
	38	0.22	0.31	0.53	-2.74	8.84	11.58		1.44	2.04	3.48	5.42	17.00	11.58	
	40	0.20	0.29	0.49	-3.14	8.84	11.98		1.31	1.87	3.18	5.02	17.00	11.98	
5320	37	0.20	0.26	0.45	-3.44	8.84	12.28		1.28	1.68	2.96	4.72	17.00	12.28	
	38	0.21	0.30	0.51	-2.95	8.84	11.79		1.35	1.97	3.32	5.21	17.00	11.79	
	40	0.20	0.30	0.49	-3.06	8.84	11.90		1.30	1.94	3.24	5.10	17.00	11.90	

Tested Frequency [MHz]	RU Index	ANT0							ANT1						
		Duty Factor [dB]	RBW Correction Factor [dB]	PSD Reading [dBm/MHz]	Cable Loss [dB]	Atten. Loss [dB]	Antenna 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]	Antenna Gain [dBi]	PSD Result Cond. [dBm/MHz]	PSD Result e.i.r.p. [dBm/MHz]
5180	37	0.00	0.00	-19.67	3.04	9.98	8.16	-6.65	1.51	-18.02	3.06	10.09	8.16	-4.87	3.29
	38	0.00	0.00	-19.50	3.04	9.98	8.16	-6.48	1.68	-18.77	3.06	10.09	8.16	-5.62	2.54
	40	0.00	0.00	-20.06	3.04	9.98	8.16	-7.04	1.12	-18.79	3.06	10.09	8.16	-5.65	2.51
5220	37	0.00	0.00	-20.11	3.05	9.98	8.16	-7.08	1.08	-17.98	3.06	10.09	8.16	-4.83	3.33
	38	0.00	0.00	-19.75	3.05	9.98	8.16	-6.72	1.44	-17.32	3.06	10.09	8.16	-4.17	3.99
	40	0.00	0.00	-20.16	3.05	9.98	8.16	-7.13	1.03	-18.06	3.06	10.09	8.16	-4.91	3.25
5240	37	0.00	0.00	-19.58	3.06	9.98	8.16	-6.54	1.62	-17.54	3.06	10.09	8.16	-4.39	3.77
	38	0.00	0.00	-19.60	3.06	9.98	8.16	-6.56	1.60	-17.60	3.06	10.09	8.16	-4.46	3.70
	40	0.00	0.00	-19.50	3.06	9.98	8.16	-6.46	1.70	-17.85	3.06	10.09	8.16	-4.71	3.45
5260	37	0.00	0.00	-20.40	3.06	9.98	8.16	-7.36	0.80	-18.37	3.08	10.09	8.16	-5.20	2.96
	38	0.00	0.00	-20.31	3.06	9.98	8.16	-7.26	0.90	-18.02	3.08	10.09	8.16	-4.85	3.31
	40	0.00	0.00	-20.37	3.06	9.98	8.16	-7.33	0.83	-18.30	3.08	10.09	8.16	-5.13	3.03
5300	37	0.00	0.00	-19.71	3.08	9.98	8.16	-6.65	1.51	-17.95	3.08	10.09	8.16	-4.78	3.38
	38	0.00	0.00	-19.64	3.08	9.98	8.16	-6.58	1.58	-18.23	3.08	10.09	8.16	-5.06	3.10
	40	0.00	0.00	-20.05	3.08	9.98	8.16	-7.00	1.16	-18.61	3.08	10.09	8.16	-5.43	2.73
5320	37	0.00	0.00	-20.14	3.08	9.98	8.16	-7.08	1.08	-19.07	3.08	10.09	8.16	-5.90	2.26
	38	0.00	0.00	-19.90	3.08	9.98	8.16	-6.84	1.32	-18.40	3.08	10.09	8.16	-5.23	2.93
	40	0.00	0.00	-20.09	3.08	9.98	8.16	-7.03	1.13	-18.46	3.08	10.09	8.16	-5.28	2.88

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted)[dBm/MHz] = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

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

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 IC)

* The Duty Factor is 0 dB, since this measurement was performed only on the on time using the gate function of spectrum analyzer.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date December 5, 2023
Temperature / Humidity 24 deg. C / 30 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-20 (OFDMA) 52-tone RU

ANT0 + ANT1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		ANT0 [mW/MHz]	ANT1 [mW/MHz]	2 port [mW/MHz]				ANT0 [mW/MHz]	ANT1 [mW/MHz]	2 port [mW/MHz]			
5500	37	0.37	0.47	0.94	-0.27	10.45	10.72	1.66	2.12	4.24	6.28	17.00	10.72
	38	0.39	0.64	1.28	1.08	10.45	9.37	1.77	2.90	5.79	7.63	17.00	9.37
	40	0.37	0.61	1.21	0.84	10.45	9.61	1.67	2.74	5.49	7.39	17.00	9.61
5580	37	0.37	0.63	1.25	0.98	10.45	9.47	1.66	2.83	5.66	7.53	17.00	9.47
	38	0.38	0.62	1.24	0.93	10.45	9.52	1.70	2.80	5.59	7.48	17.00	9.52
	40	0.35	0.60	1.20	0.81	10.45	9.64	1.57	2.72	5.44	7.36	17.00	9.64
5700	37	0.33	0.52	1.04	0.18	10.45	10.27	1.48	2.36	4.71	6.73	17.00	10.27
	38	0.34	0.54	1.07	0.31	10.45	10.14	1.53	2.42	4.85	6.86	17.00	10.14
	40	0.32	0.52	1.05	0.21	10.45	10.24	1.43	2.37	4.74	6.76	17.00	10.24
5745	37	0.09	0.11	0.23	-6.46	29.93	36.39	0.35	0.46	0.91	-0.39	36.00	36.39
	38	0.09	0.15	0.29	-5.34	29.93	35.27	0.36	0.59	1.18	0.73	36.00	35.27
	40	0.09	0.13	0.25	-5.95	29.93	35.88	0.36	0.51	1.03	0.12	36.00	35.88
5785	37	0.09	0.13	0.25	-5.98	29.93	35.91	0.36	0.51	1.02	0.09	36.00	35.91
	38	0.10	0.15	0.31	-5.15	29.93	35.08	0.40	0.62	1.24	0.92	36.00	35.08
	40	0.09	0.13	0.26	-5.88	29.93	35.81	0.38	0.52	1.04	0.19	36.00	35.81
5825	37	0.08	0.13	0.26	-5.83	29.93	35.76	0.33	0.53	1.06	0.24	36.00	35.76
	38	0.09	0.16	0.31	-5.07	29.93	35.00	0.36	0.63	1.26	1.00	36.00	35.00
	40	0.09	0.14	0.28	-5.52	29.93	35.45	0.37	0.57	1.14	0.55	36.00	35.45

Tested Frequency [MHz]	RU Index	ANT0								ANT1							
		Duty Factor	RBW Correction Factor	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.		
		[dB]	[dB]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]	[dBm/MHz]	[dB]	[dB]	[dBi]	[dBm/MHz]	[dBm/MHz]		
5500	37	0.00	0.00	-17.48	3.13	9.98	6.55	-4.36	2.19	-16.53	3.15	10.09	6.55	-3.29	3.26		
	38	0.00	0.00	-17.19	3.13	9.98	6.55	-4.08	2.47	-15.18	3.15	10.09	6.55	-1.93	4.62		
	40	0.00	0.00	-17.43	3.13	9.98	6.55	-4.31	2.24	-15.41	3.15	10.09	6.55	-2.17	4.38		
5580	37	0.00	0.00	-17.50	3.16	9.98	6.55	-4.36	2.19	-15.30	3.18	10.09	6.55	-2.03	4.52		
	38	0.00	0.00	-17.38	3.16	9.98	6.55	-4.25	2.30	-15.35	3.18	10.09	6.55	-2.08	4.47		
	40	0.00	0.00	-17.72	3.16	9.98	6.55	-4.58	1.97	-15.47	3.18	10.09	6.55	-2.20	4.35		
5700	37	0.00	0.00	-18.02	3.19	9.98	6.55	-4.84	1.71	-16.13	3.21	10.09	6.55	-2.83	3.72		
	38	0.00	0.00	-17.88	3.19	9.98	6.55	-4.70	1.85	-16.01	3.21	10.09	6.55	-2.71	3.84		
	40	0.00	0.00	-18.16	3.19	9.98	6.55	-4.99	1.56	-16.11	3.21	10.09	6.55	-2.80	3.75		
5745	37	0.00	6.99	-30.82	3.20	9.98	6.07	-10.64	-4.57	-29.78	3.22	10.09	6.07	-9.47	-3.40		
	38	0.00	6.99	-30.71	3.20	9.98	6.07	-10.54	-4.47	-28.66	3.22	10.09	6.07	-8.35	-2.28		
	40	0.00	6.99	-30.69	3.20	9.98	6.07	-10.52	-4.45	-29.27	3.22	10.09	6.07	-8.96	-2.89		
5785	37	0.00	6.99	-30.75	3.22	9.98	6.07	-10.56	-4.49	-29.31	3.24	10.10	6.07	-8.99	-2.92		
	38	0.00	6.99	-30.22	3.22	9.98	6.07	-10.03	-3.96	-28.49	3.24	10.10	6.07	-8.16	-2.09		
	40	0.00	6.99	-30.46	3.22	9.98	6.07	-10.27	-4.20	-29.21	3.24	10.10	6.07	-8.89	-2.82		
5825	37	0.00	6.99	-31.03	3.23	9.98	6.07	-10.83	-4.76	-29.17	3.25	10.10	6.07	-8.84	-2.77		
	38	0.00	6.99	-30.69	3.23	9.98	6.07	-10.49	-4.42	-28.41	3.25	10.10	6.07	-8.08	-2.01		
	40	0.00	6.99	-30.58	3.23	9.98	6.07	-10.38	-4.31	-28.86	3.25	10.10	6.07	-8.53	-2.46		

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \times \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted)[dBm/MHz] = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

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

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 IC)

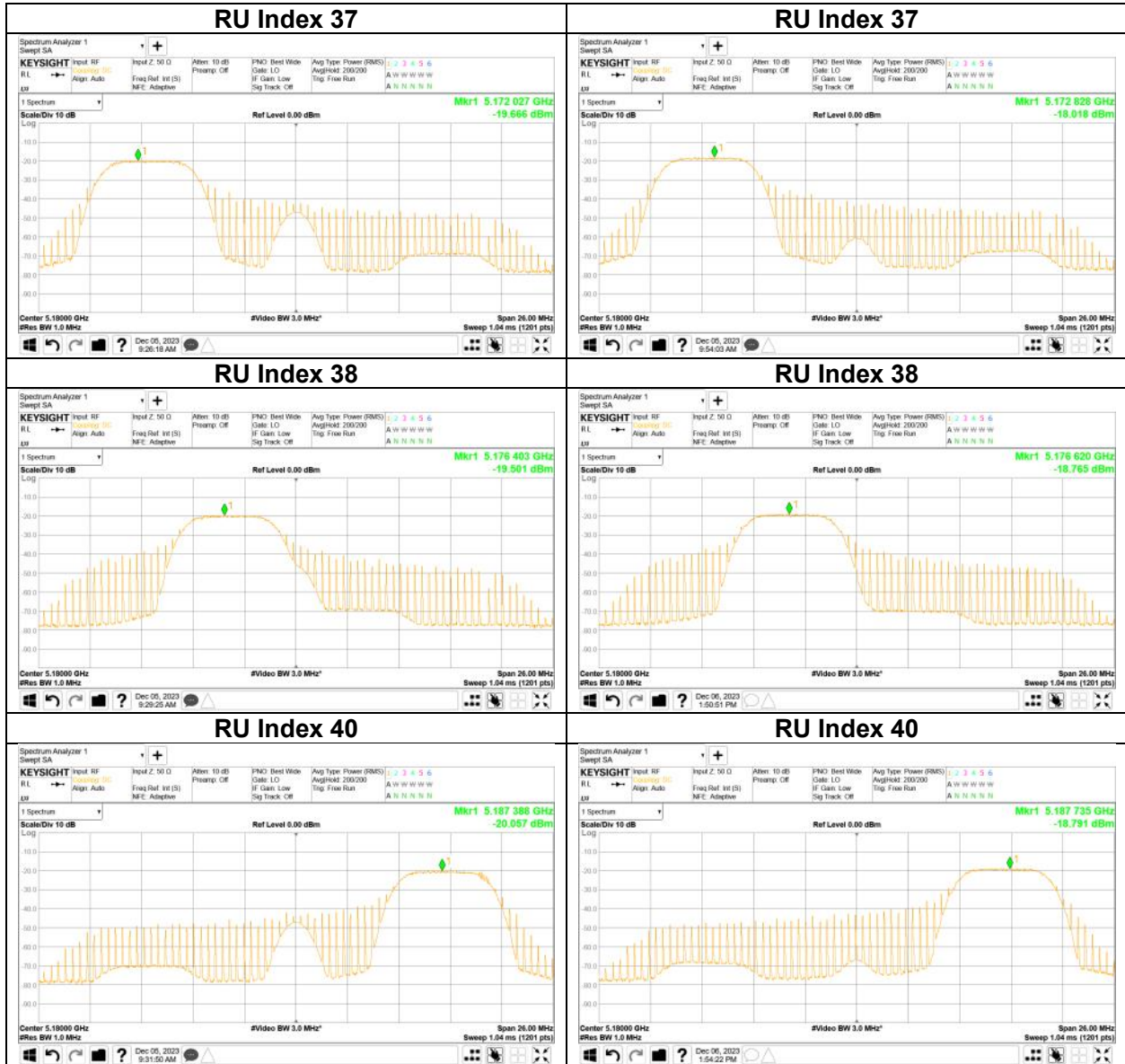
* The Duty Factor is 0 dB, since this measurement was performed only on the on time using the gate function of spectrum analyzer.

Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5180 MHz

ANT0

ANT1

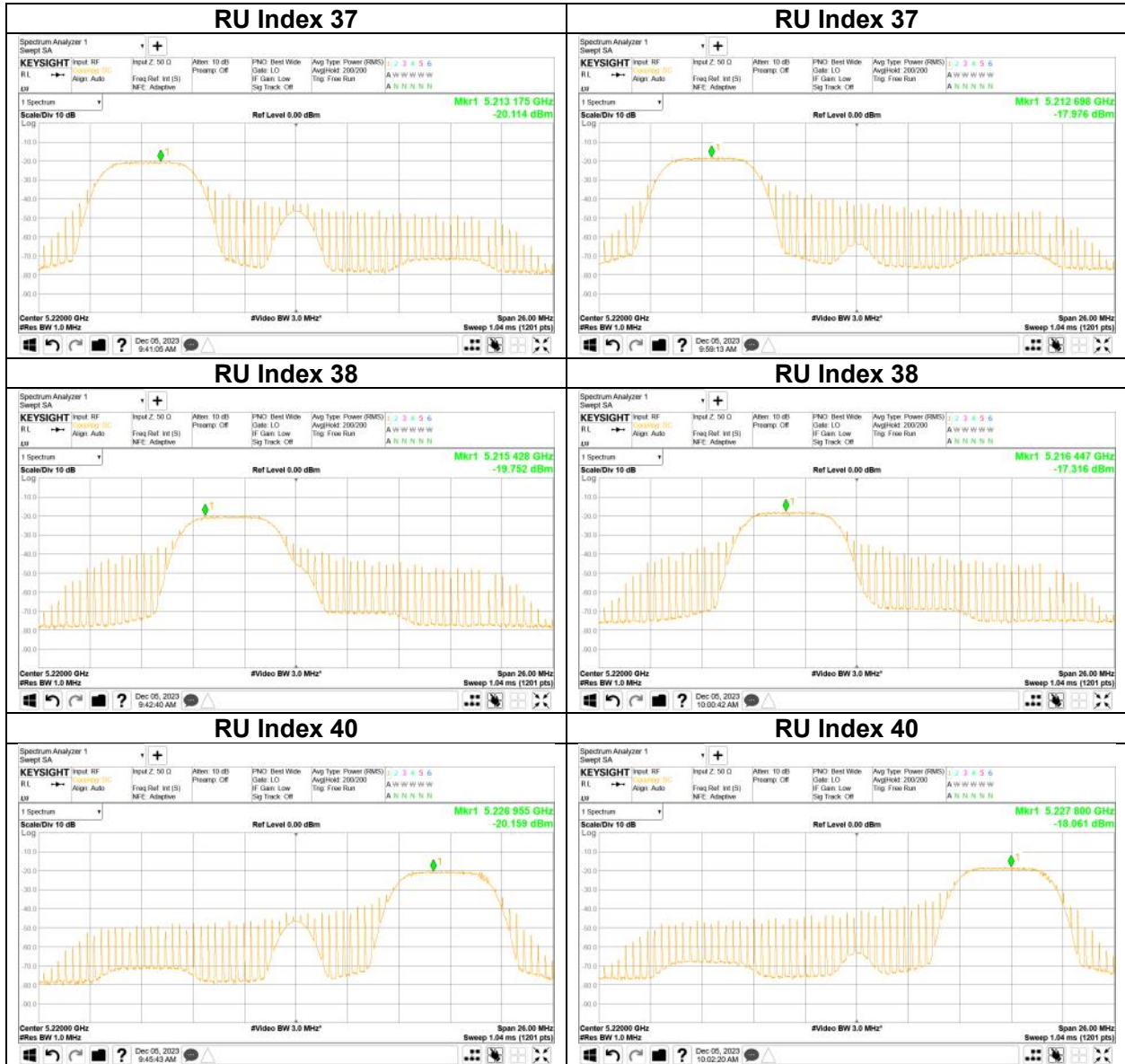


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5220 MHz

ANT0

ANT1

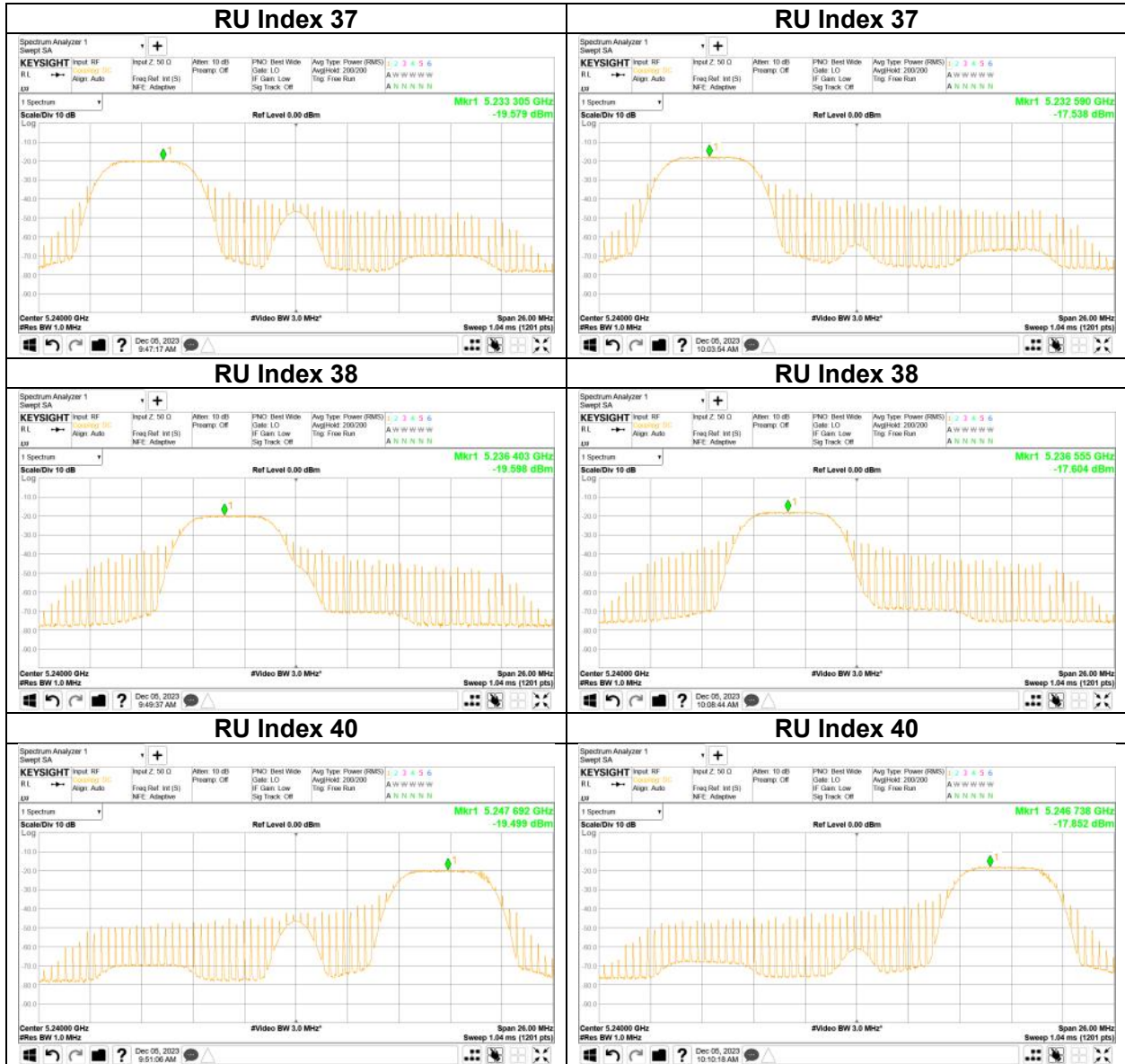


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5240 MHz

ANT0

ANT1

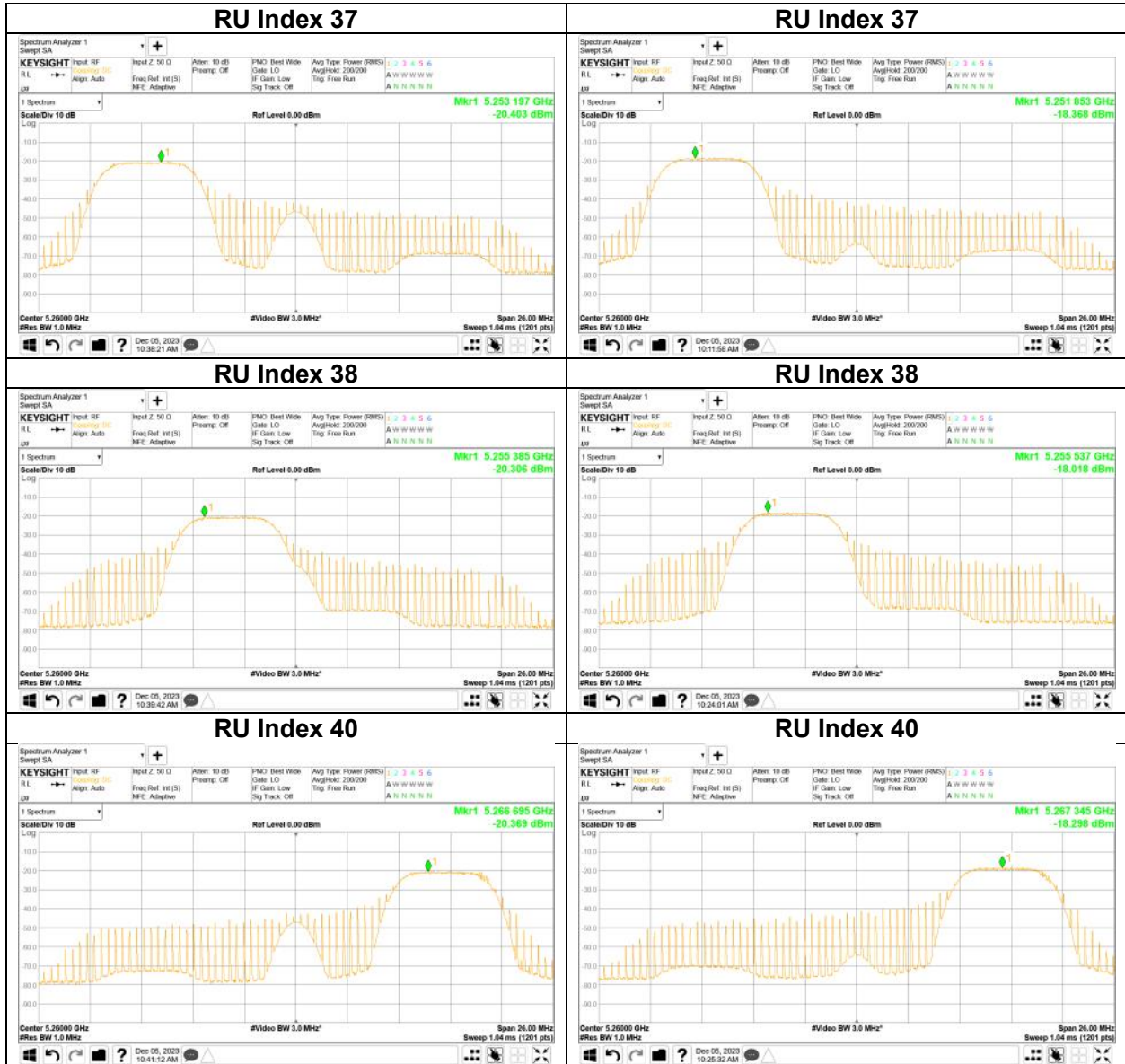


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5260 MHz

ANT0

ANT1

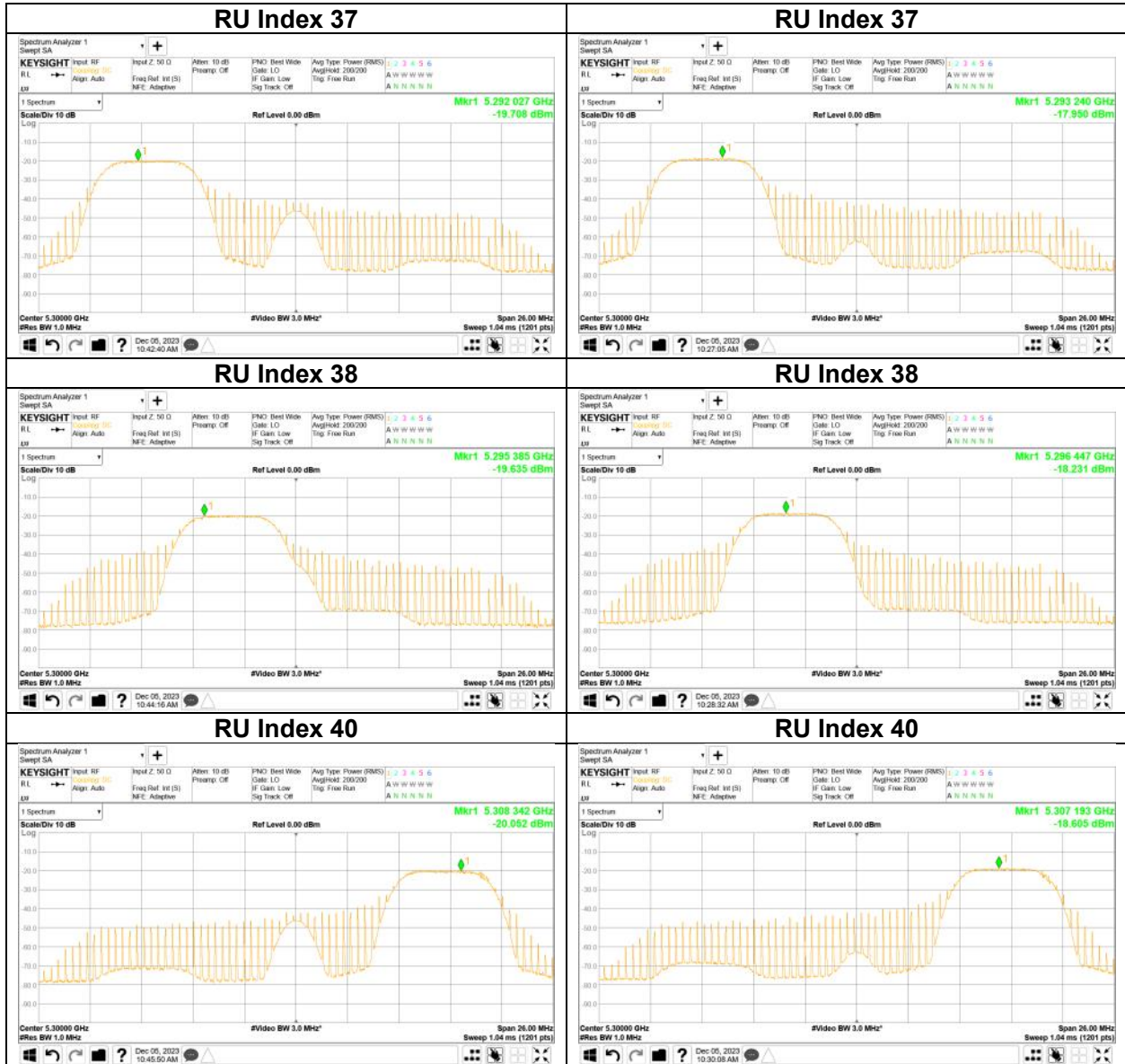


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5300 MHz

ANT0

ANT1

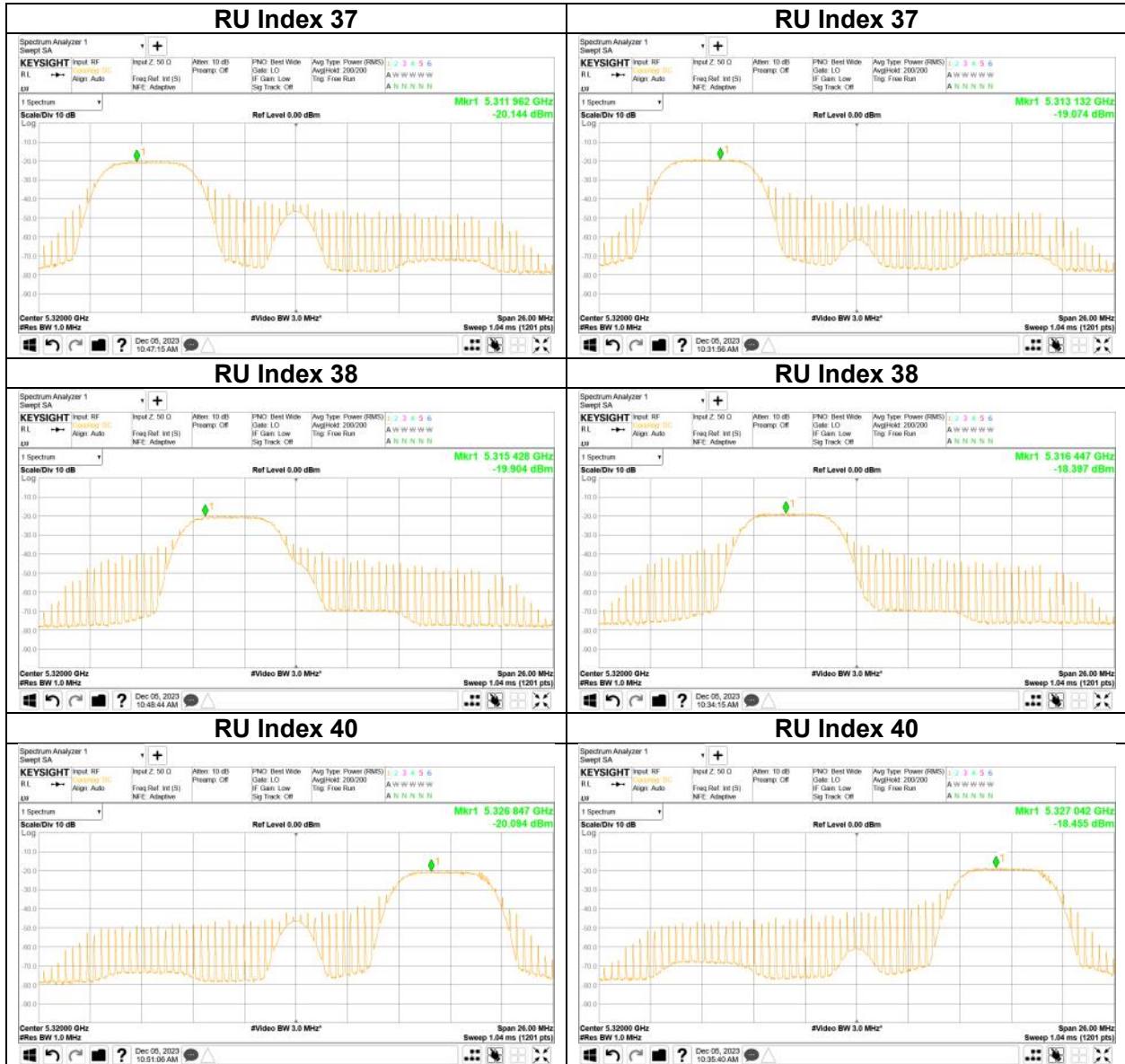


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5320 MHz

ANT0

ANT1

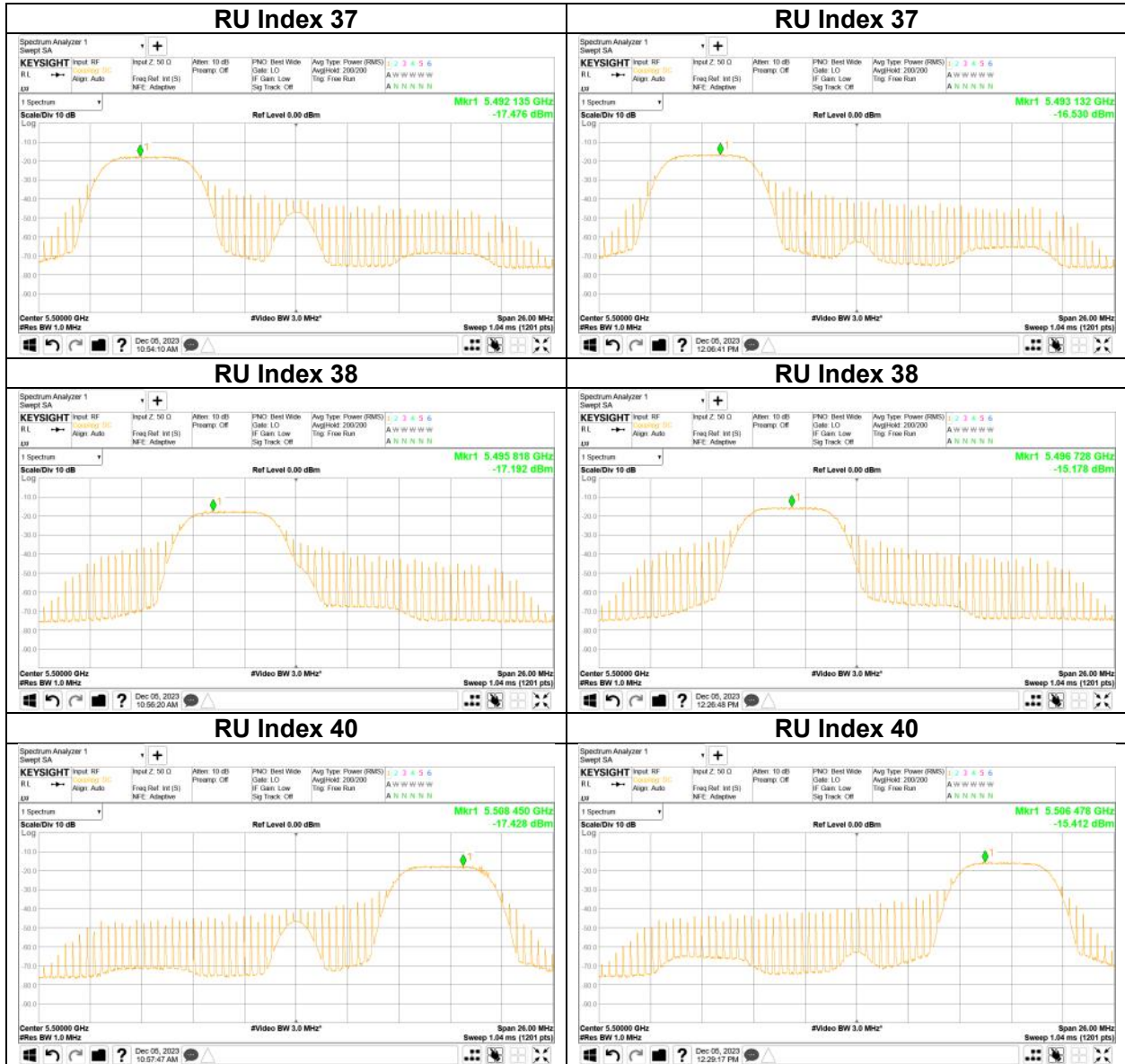


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5500 MHz

ANT0

ANT1

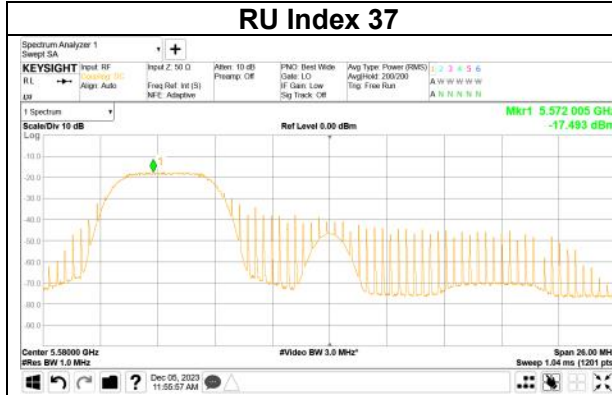


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5580 MHz

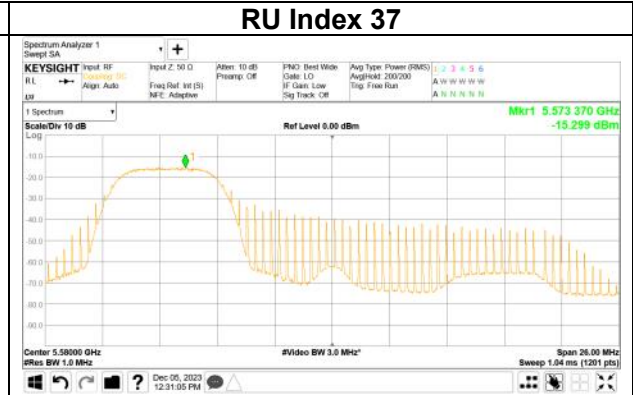
ANT0

RU Index 37

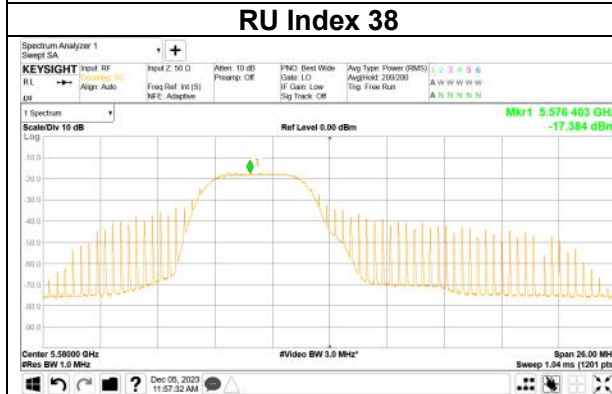


ANT1

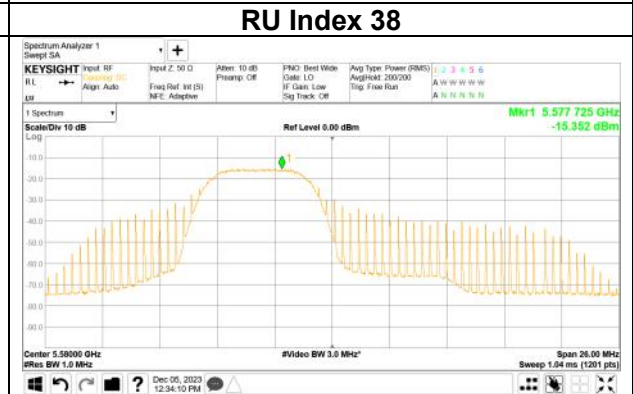
RU Index 37



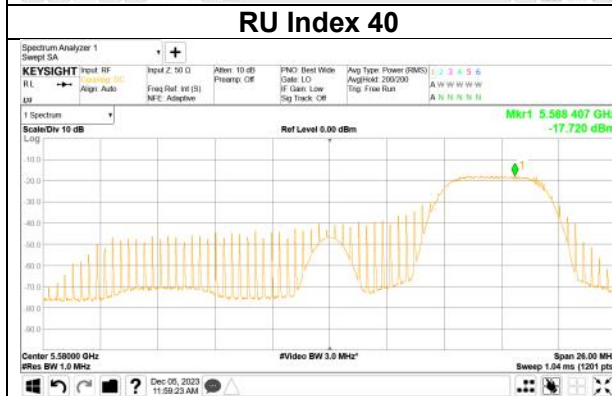
RU Index 38



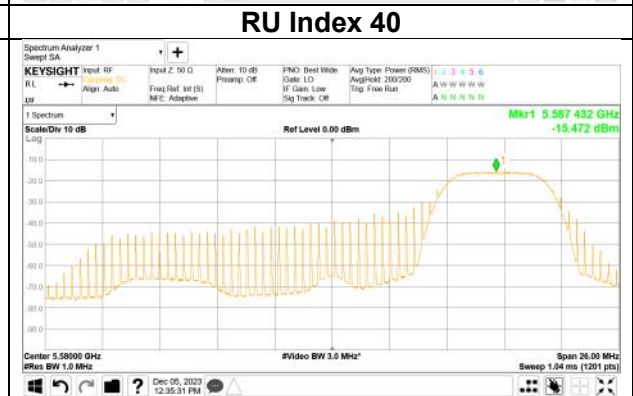
RU Index 38



RU Index 40



RU Index 40

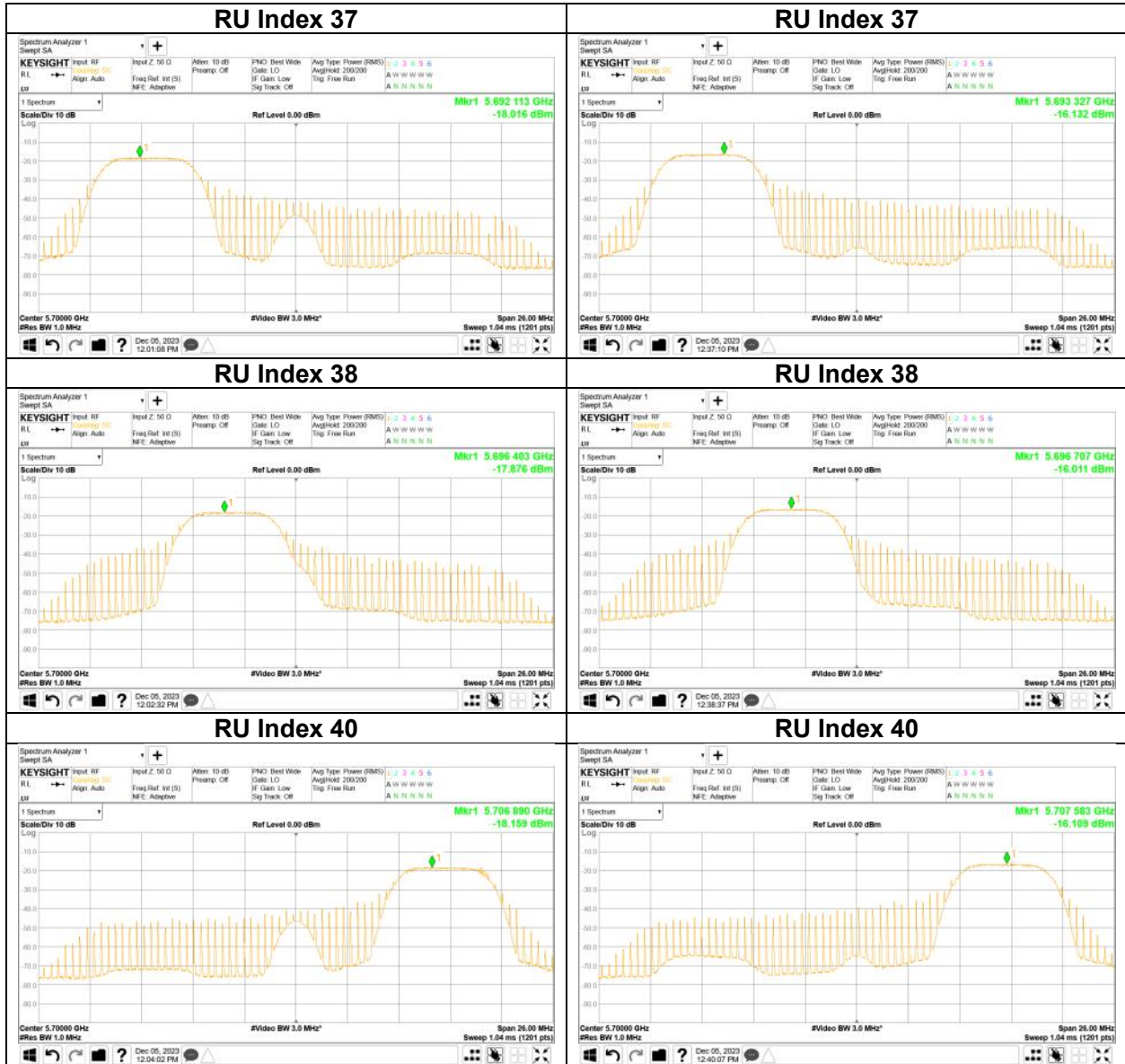


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5700 MHz

ANT0

ANT1

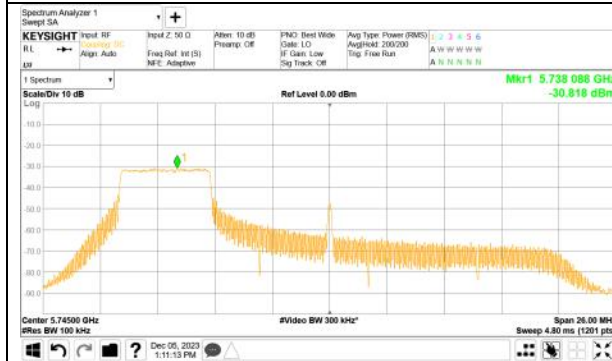


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5745 MHz

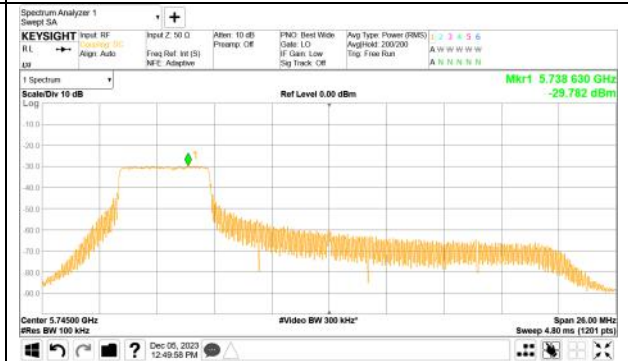
ANT0

RU Index 37



ANT1

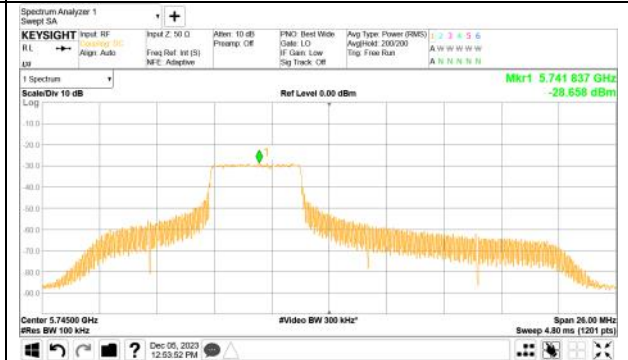
RU Index 37



RU Index 38



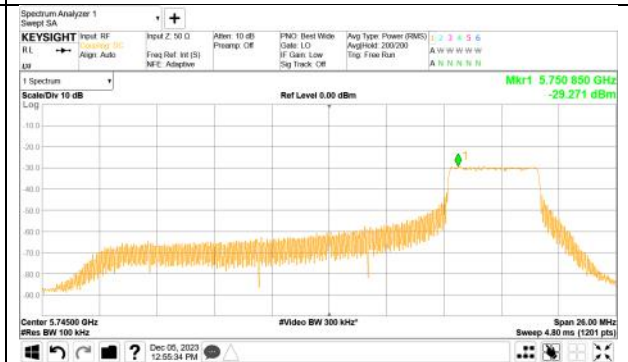
RU Index 38



RU Index 40



RU Index 40

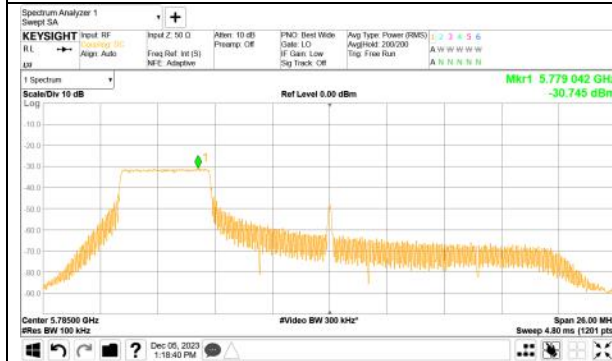


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5785 MHz

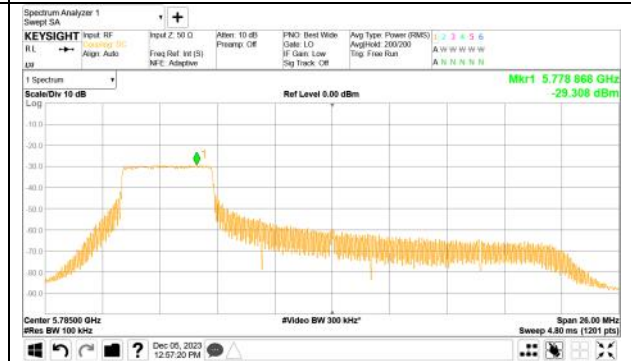
ANT0

RU Index 37



ANT1

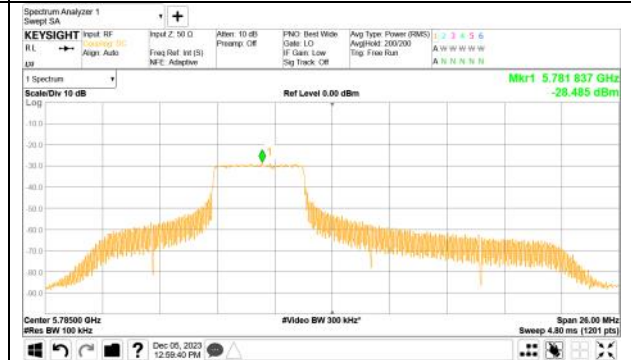
RU Index 37



RU Index 38



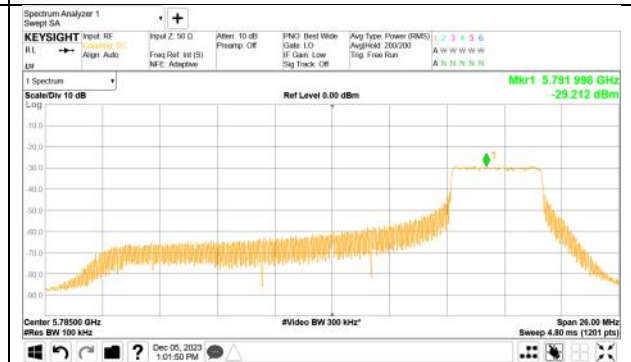
RU Index 38



RU Index 40



RU Index 40

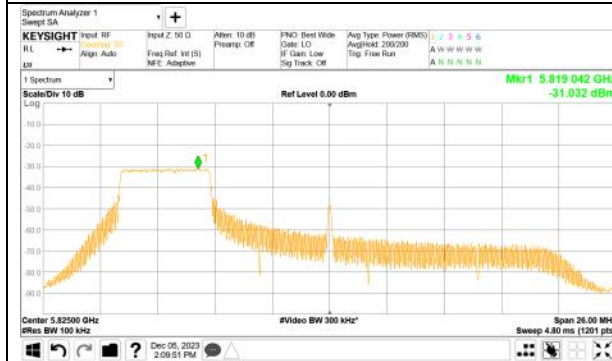


Maximum Power Spectral Density

11ax-20 (OFDMA)
52-tone RU 5825 MHz

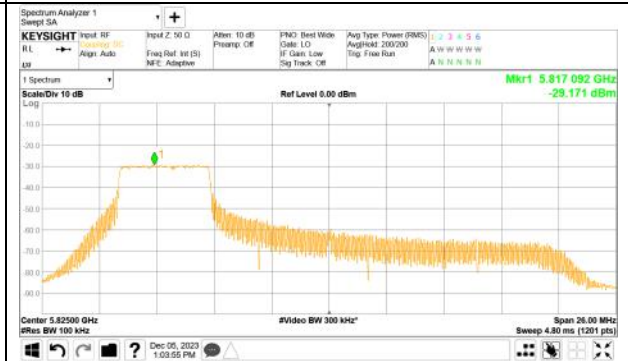
ANT0

RU Index 37



ANT1

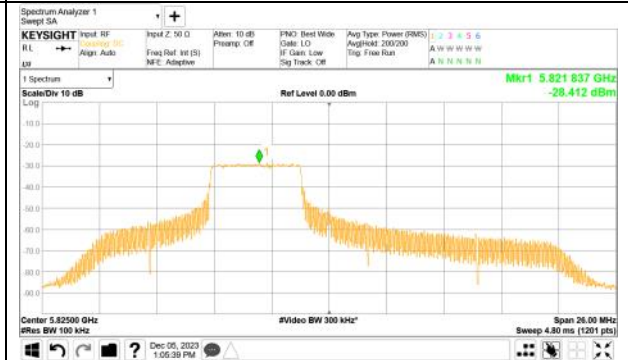
RU Index 37



RU Index 38



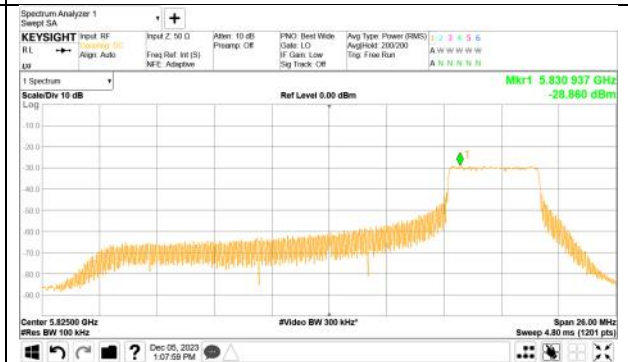
RU Index 38



RU Index 40



RU Index 40



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date December 5, 2023
Temperature / Humidity 24 deg. C / 30 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-20 (OFDMA) 106-tone RU

ANT0 + ANT1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		ANT0 [mW/MHz]	ANT1 [mW/MHz]	2 port [mW/MHz]				ANT0 [mW/MHz]	ANT1 [mW/MHz]	2 port [mW/MHz]			
5180	53	0.22	0.33	0.54	-2.66	8.84	11.50	1.41	2.14	3.55	5.50	17.00	11.50
	54	0.20	0.29	0.49	-3.06	8.84	11.90	1.34	1.90	3.24	5.10	17.00	11.90
5220	53	0.25	0.31	0.56	-2.52	8.84	11.36	1.64	2.03	3.67	5.64	17.00	11.36
	54	0.25	0.34	0.59	-2.31	8.84	11.15	1.63	2.21	3.84	5.85	17.00	11.15
5240	53	0.20	0.29	0.49	-3.13	8.84	11.97	1.30	1.88	3.18	5.03	17.00	11.97
	54	0.19	0.31	0.49	-3.06	8.84	11.90	1.22	2.02	3.24	5.10	17.00	11.90
5260	53	0.21	0.34	0.55	-2.59	8.84	11.43	1.38	2.23	3.61	5.57	17.00	11.43
	54	0.20	0.31	0.51	-2.91	8.84	11.75	1.33	2.02	3.35	5.25	17.00	11.75
5300	53	0.19	0.31	0.50	-3.01	8.84	11.85	1.21	2.06	3.27	5.15	17.00	11.85
	54	0.19	0.30	0.49	-3.09	8.84	11.93	1.24	1.97	3.21	5.07	17.00	11.93
5320	53	0.19	0.27	0.47	-3.29	8.84	12.13	1.28	1.80	3.07	4.87	17.00	12.13
	54	0.19	0.30	0.49	-3.14	8.84	11.98	1.22	1.96	3.18	5.02	17.00	11.98

				ANT0						ANT1					
Tested Frequency	RU Index	Duty Factor	RBW Correction 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]
5180	53	0.00	0.00	-19.67	3.04	9.98	8.16	-6.66	1.50	-18.01	3.06	10.09	8.16	-4.86	3.30
	54	0.00	0.00	-19.90	3.04	9.98	8.16	-6.88	1.28	-18.52	3.06	10.09	8.16	-5.38	2.78
5220	53	0.00	0.00	-19.04	3.05	9.98	8.16	-6.01	2.15	-18.24	3.06	10.09	8.16	-5.09	3.07
	54	0.00	0.00	-19.07	3.05	9.98	8.16	-6.04	2.12	-17.86	3.06	10.09	8.16	-4.71	3.45
5240	53	0.00	0.00	-20.04	3.06	9.98	8.16	-7.01	1.15	-18.57	3.06	10.09	8.16	-5.43	2.73
	54	0.00	0.00	-20.33	3.06	9.98	8.16	-7.30	0.86	-18.26	3.06	10.09	8.16	-5.11	3.05
5260	53	0.00	0.00	-19.81	3.06	9.98	8.16	-6.77	1.39	-17.85	3.08	10.09	8.16	-4.67	3.49
	54	0.00	0.00	-19.96	3.06	9.98	8.16	-6.92	1.24	-18.28	3.08	10.09	8.16	-5.11	3.05
5300	53	0.00	0.00	-20.37	3.08	9.98	8.16	-7.32	0.84	-18.20	3.08	10.09	8.16	-5.03	3.13
	54	0.00	0.00	-20.28	3.08	9.98	8.16	-7.23	0.93	-18.38	3.08	10.09	8.16	-5.21	2.95
5320	53	0.00	0.00	-20.17	3.08	9.98	8.16	-7.10	1.06	-18.79	3.08	10.09	8.16	-5.62	2.54
	54	0.00	0.00	-20.37	3.08	9.98	8.16	-7.31	0.85	-18.41	3.08	10.09	8.16	-5.23	2.93

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted)[dBm/MHz] = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

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

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 IC)

* The Duty Factor is 0 dB, since this measurement was performed only on the on time using the gate function of spectrum analyzer.

Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date December 6, 2023
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-20 (OFDMA) 106-tone RU

ANT0 + ANT1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		ANT0 [mW/MHz]	ANT1 [mW/MHz]	2 port [mW/MHz]				ANT0 [mW/MHz]	ANT1 [mW/MHz]	2 port [mW/MHz]			
5500	53	0.31	0.53	0.84	-0.78	10.45	11.23	1.41	2.37	3.78	5.77	17.00	11.23
	54	0.33	0.53	0.85	-0.70	10.45	11.15	1.47	2.37	3.85	5.85	17.00	11.15
5580	53	0.32	0.54	0.87	-0.62	10.45	11.07	1.47	2.45	3.92	5.93	17.00	11.07
	54	0.31	0.54	0.85	-0.69	10.45	11.14	1.42	2.44	3.86	5.86	17.00	11.14
5700	53	0.32	0.44	0.75	-1.23	10.45	11.68	1.44	1.97	3.41	5.32	17.00	11.68
	54	0.31	0.50	0.81	-0.93	10.45	11.38	1.38	2.27	3.65	5.62	17.00	11.38
5745	53	0.07	0.14	0.22	-6.65	29.93	36.58	0.29	0.58	0.87	-0.58	36.00	36.58
	54	0.08	0.13	0.21	-6.72	29.93	36.65	0.32	0.54	0.86	-0.65	36.00	36.65
5785	53	0.08	0.13	0.21	-6.83	29.93	36.76	0.32	0.52	0.84	-0.76	36.00	36.76
	54	0.08	0.12	0.20	-6.93	29.93	36.86	0.33	0.49	0.82	-0.86	36.00	36.86
5825	53	0.08	0.14	0.21	-6.72	29.93	36.65	0.31	0.55	0.86	-0.65	36.00	36.65
	54	0.08	0.13	0.21	-6.73	29.93	36.66	0.34	0.52	0.86	-0.66	36.00	36.66

				ANT0						ANT1					
Tested Frequency	RU Index	Duty Factor	RBW Correction 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 \	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]
5500	53	0.00	0.00	-18.19	3.13	9.98	6.55	-5.07	1.48	-16.04	3.15	10.09	6.55	-2.80	3.75
	54	0.00	0.00	-17.98	3.13	9.98	6.55	-4.87	1.68	-16.04	3.15	10.09	6.55	-2.80	3.75
5580	53	0.00	0.00	-18.02	3.16	9.98	6.55	-4.89	1.66	-15.92	3.18	10.09	6.55	-2.65	3.90
	54	0.00	0.00	-18.17	3.16	9.98	6.55	-5.03	1.52	-15.95	3.18	10.09	6.55	-2.68	3.87
5700	53	0.00	0.00	-18.14	3.19	9.98	6.55	-4.97	1.58	-16.92	3.21	10.09	6.55	-3.61	2.94
	54	0.00	0.00	-18.31	3.19	9.98	6.55	-5.14	1.41	-16.30	3.21	10.09	6.55	-3.00	3.55
5745	53	0.00	6.99	-31.55	3.20	9.98	6.07	-11.38	-5.31	-28.75	3.22	10.09	6.07	-8.44	-2.37
	54	0.00	6.99	-31.23	3.20	9.98	6.07	-11.05	-4.98	-29.03	3.22	10.09	6.07	-8.72	-2.65
5785	53	0.00	6.99	-31.23	3.22	9.98	6.07	-11.04	-4.97	-29.23	3.24	10.10	6.07	-8.90	-2.83
	54	0.00	6.99	-31.07	3.22	9.98	6.07	-10.89	-4.82	-29.49	3.24	10.10	6.07	-9.17	-3.10
5825	53	0.00	6.99	-31.33	3.23	9.98	6.07	-11.13	-5.06	-29.00	3.25	10.10	6.07	-8.67	-2.60
	54	0.00	6.99	-30.91	3.23	9.98	6.07	-10.71	-4.64	-29.28	3.25	10.10	6.07	-8.95	-2.88

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

PSD Result (Conducted)[dBm/MHz] = Reading + Cable Loss (including the cable(s) customer supplied) + Atten. Loss + Duty Factor + RBW Correction Factor

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

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 IC)

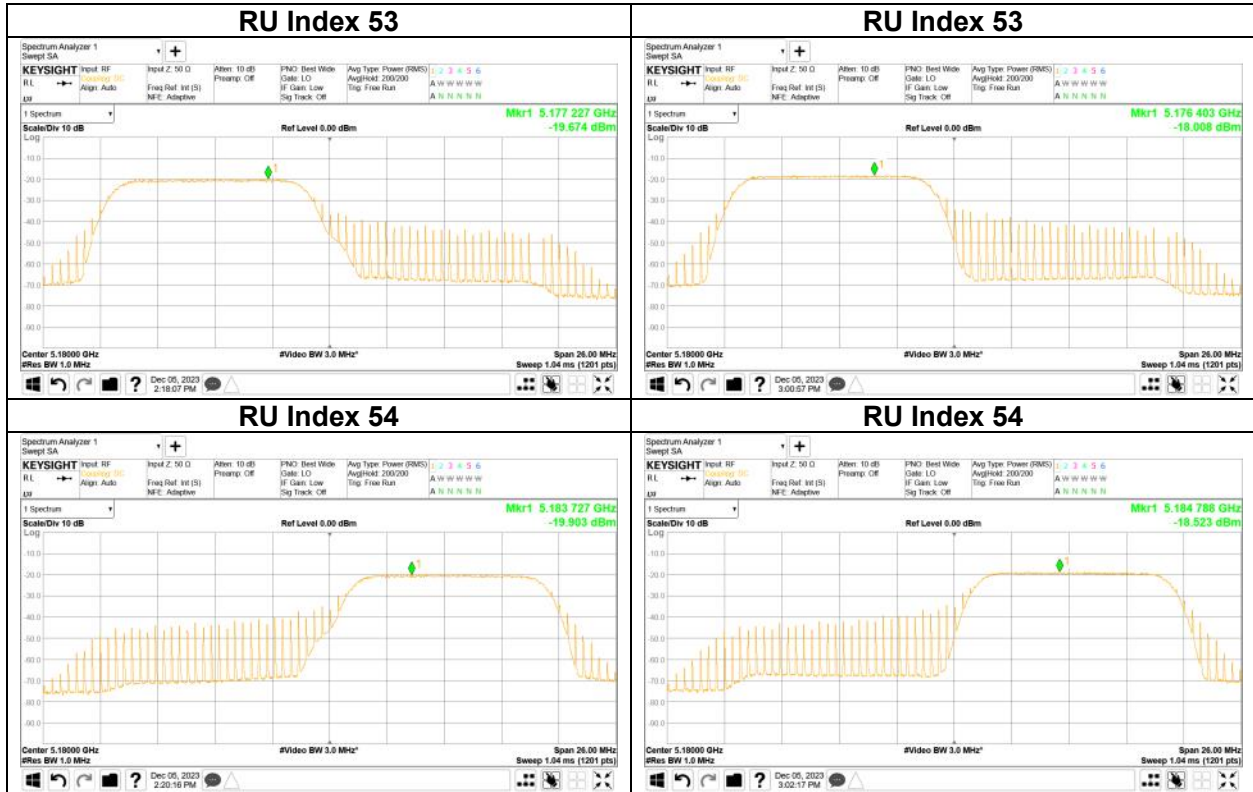
* The Duty Factor is 0 dB, since this measurement was performed only on the on time using the gate function of spectrum analyzer.

Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5180 MHz

ANT0

ANT1

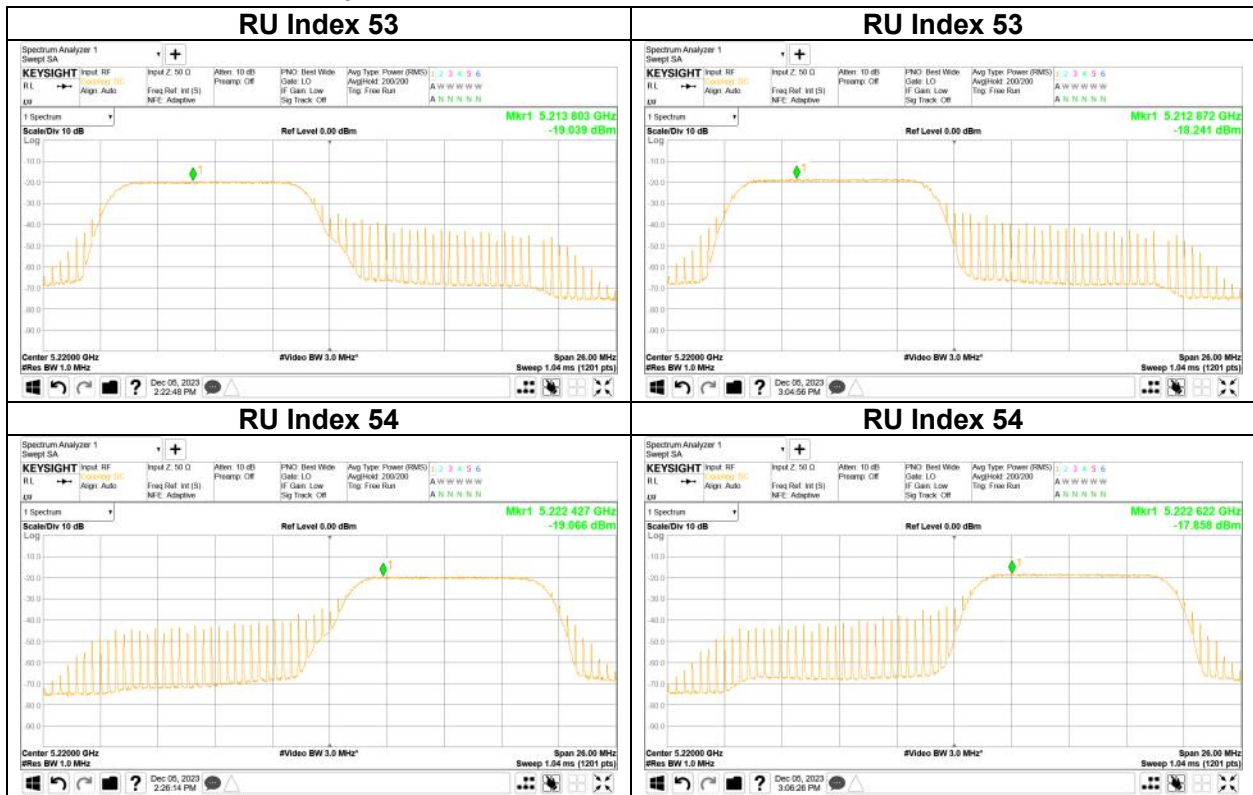


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5220 MHz

ANT0

ANT1

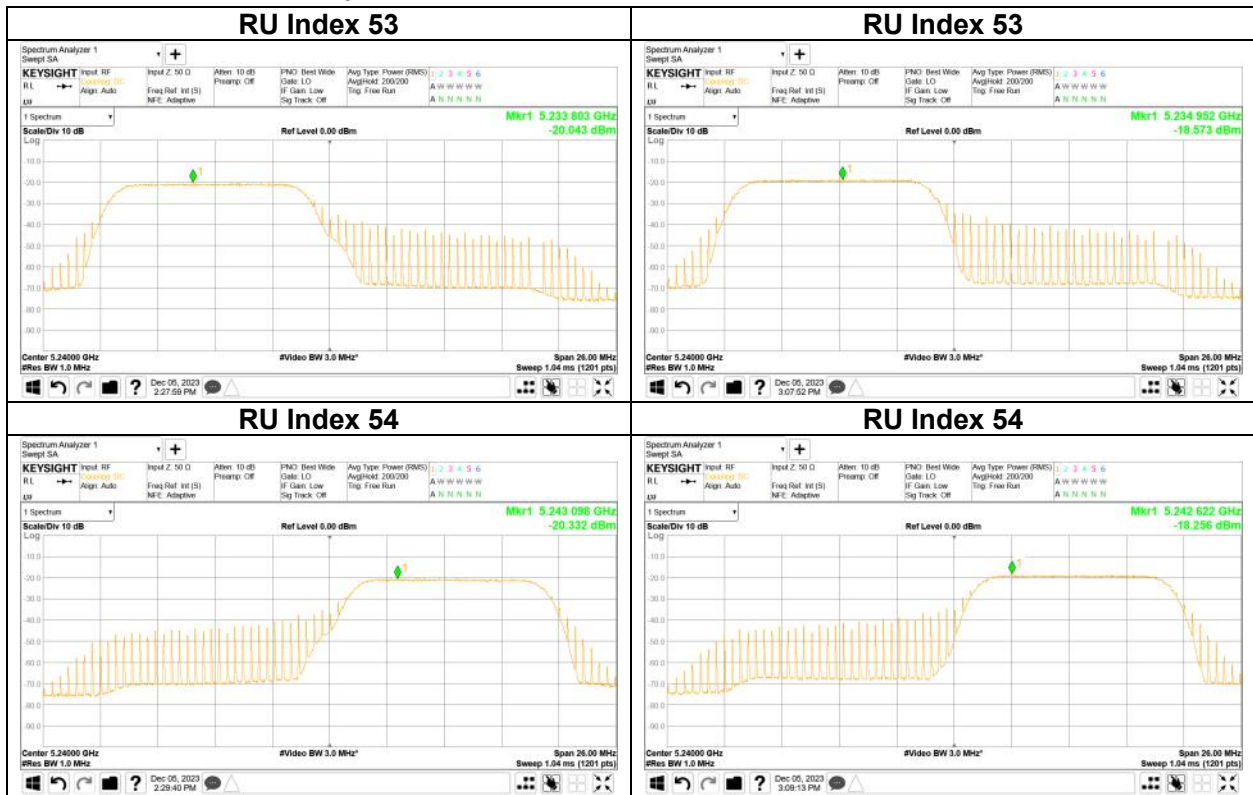


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5240 MHz

ANT0

ANT1

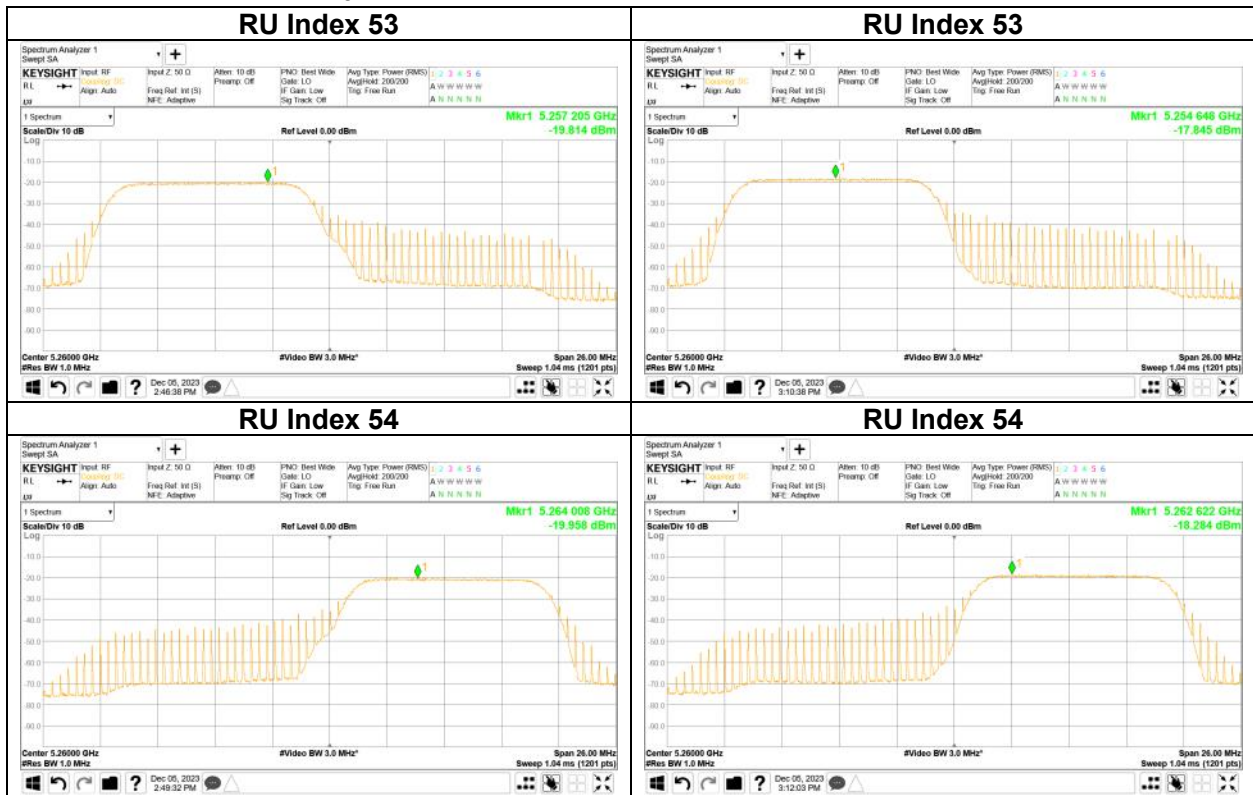


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5260 MHz

ANT0

ANT1

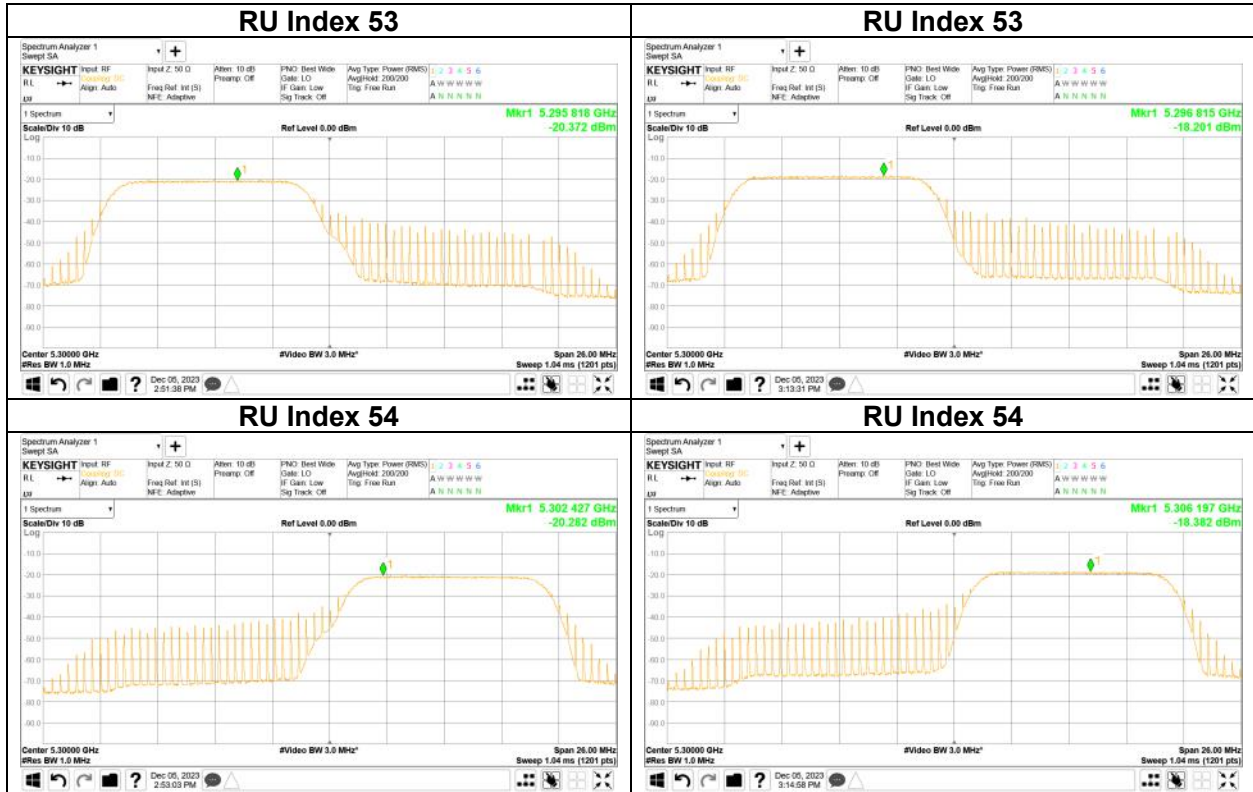


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5300 MHz

ANT0

ANT1

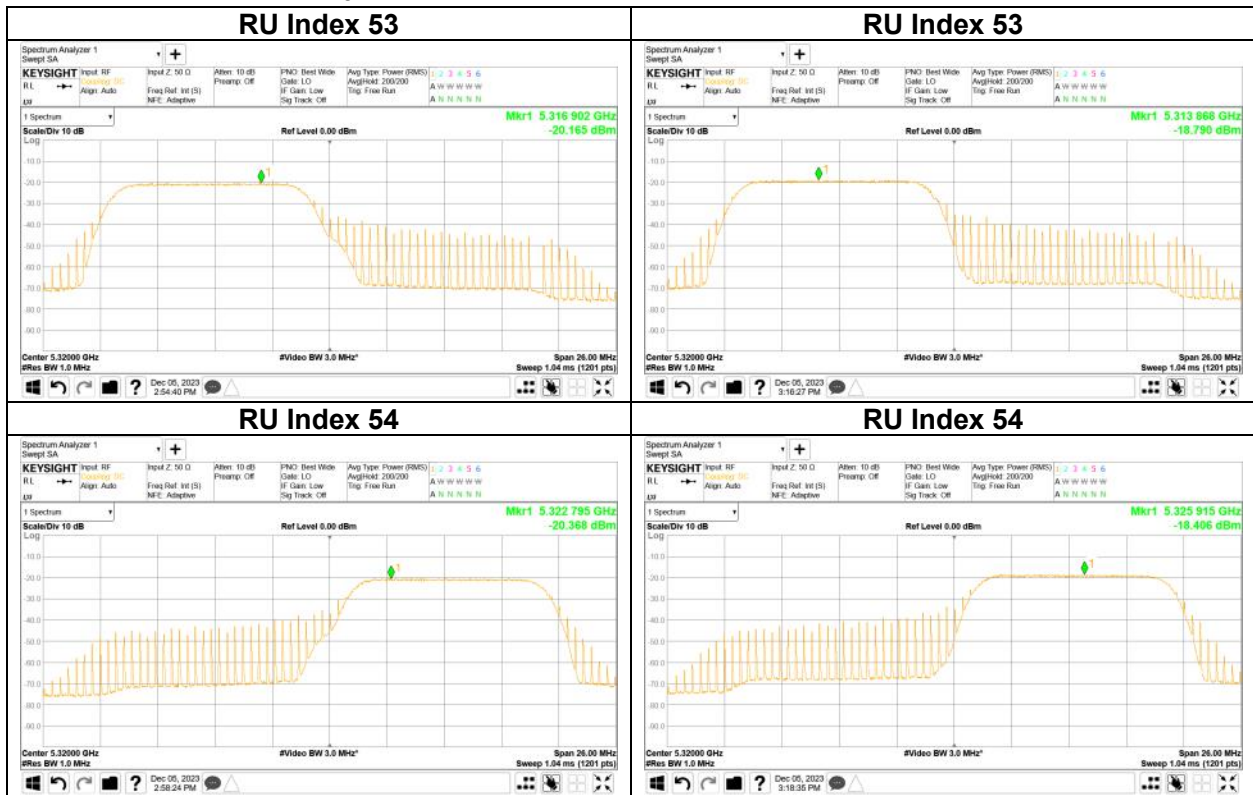


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5320 MHz

ANT0

ANT1

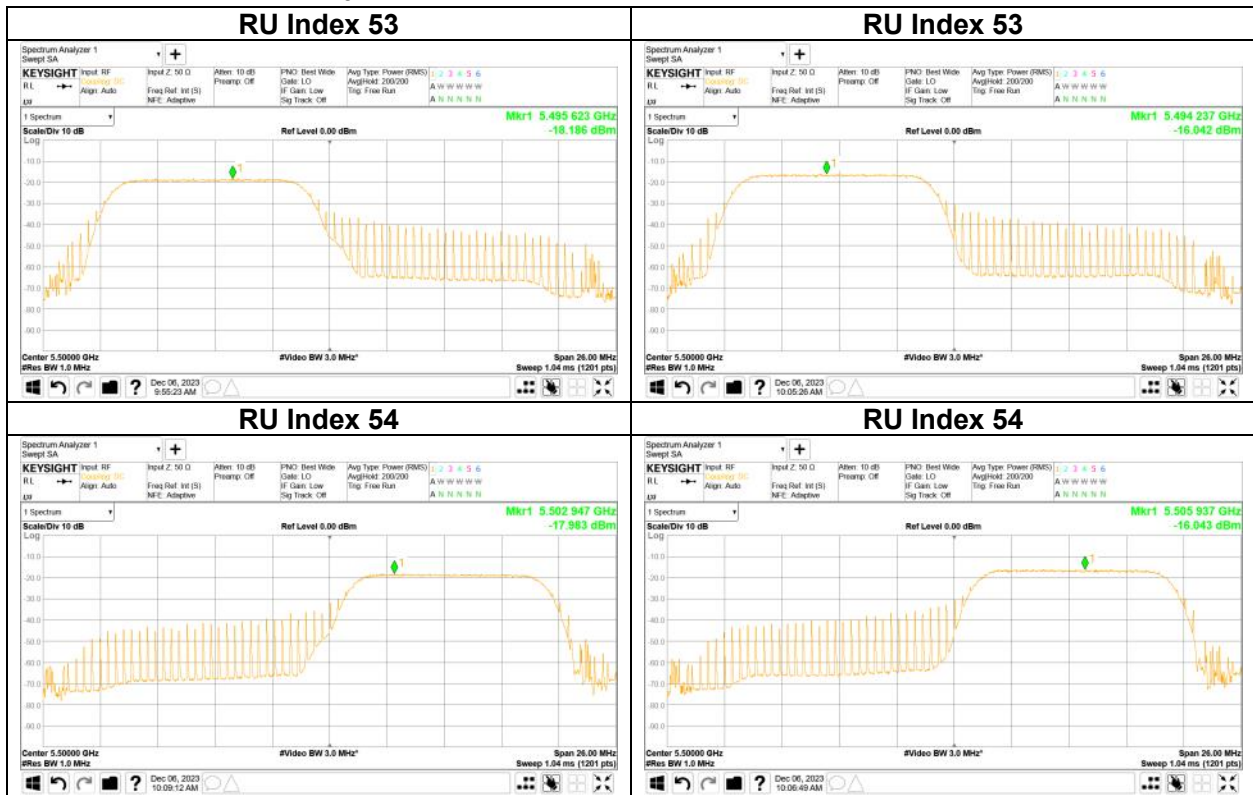


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5500 MHz

ANT0

ANT1

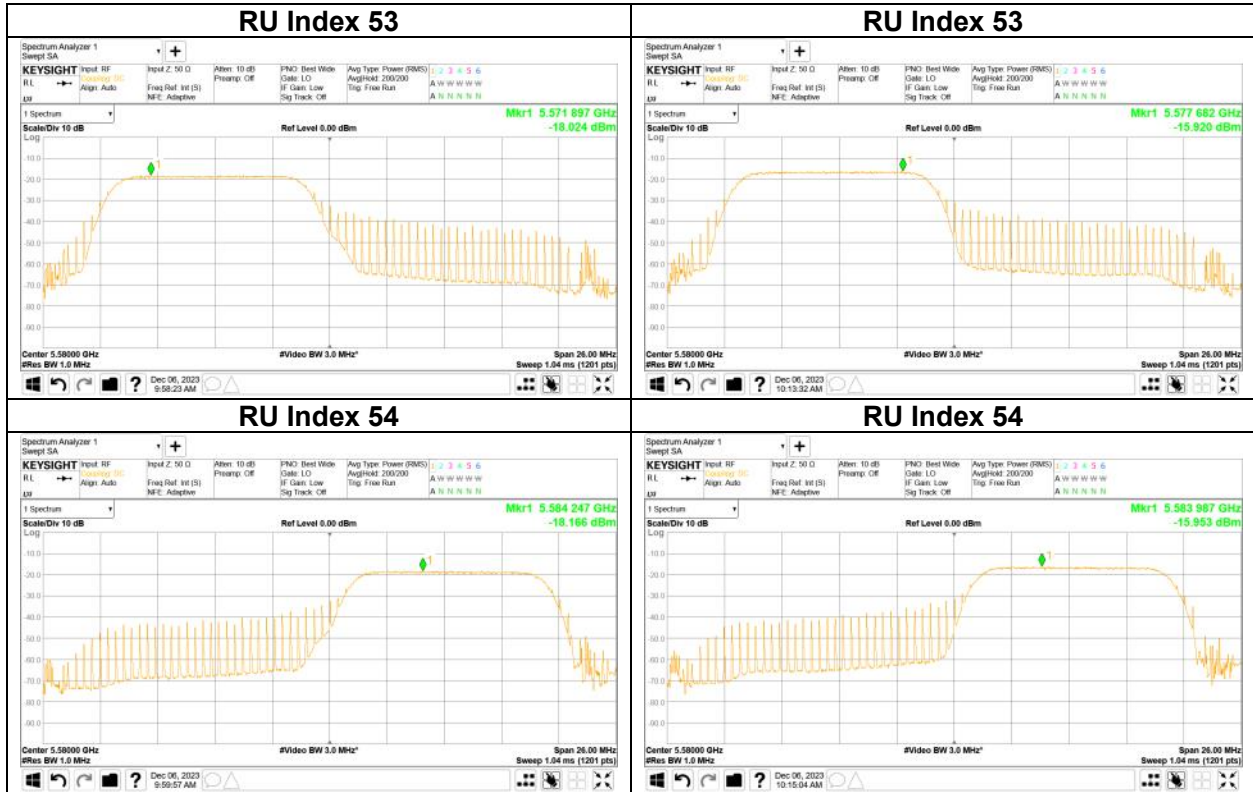


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5580 MHz

ANT0

ANT1

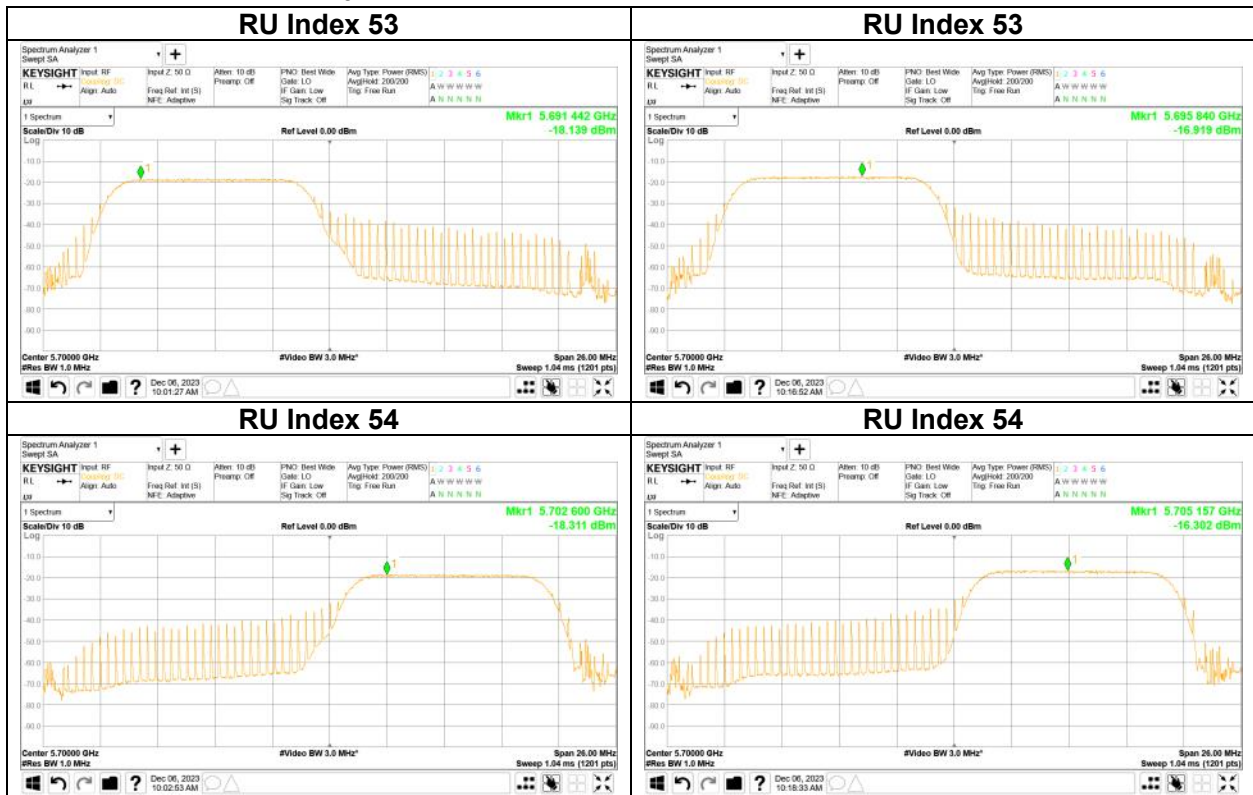


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5700 MHz

ANT0

ANT1

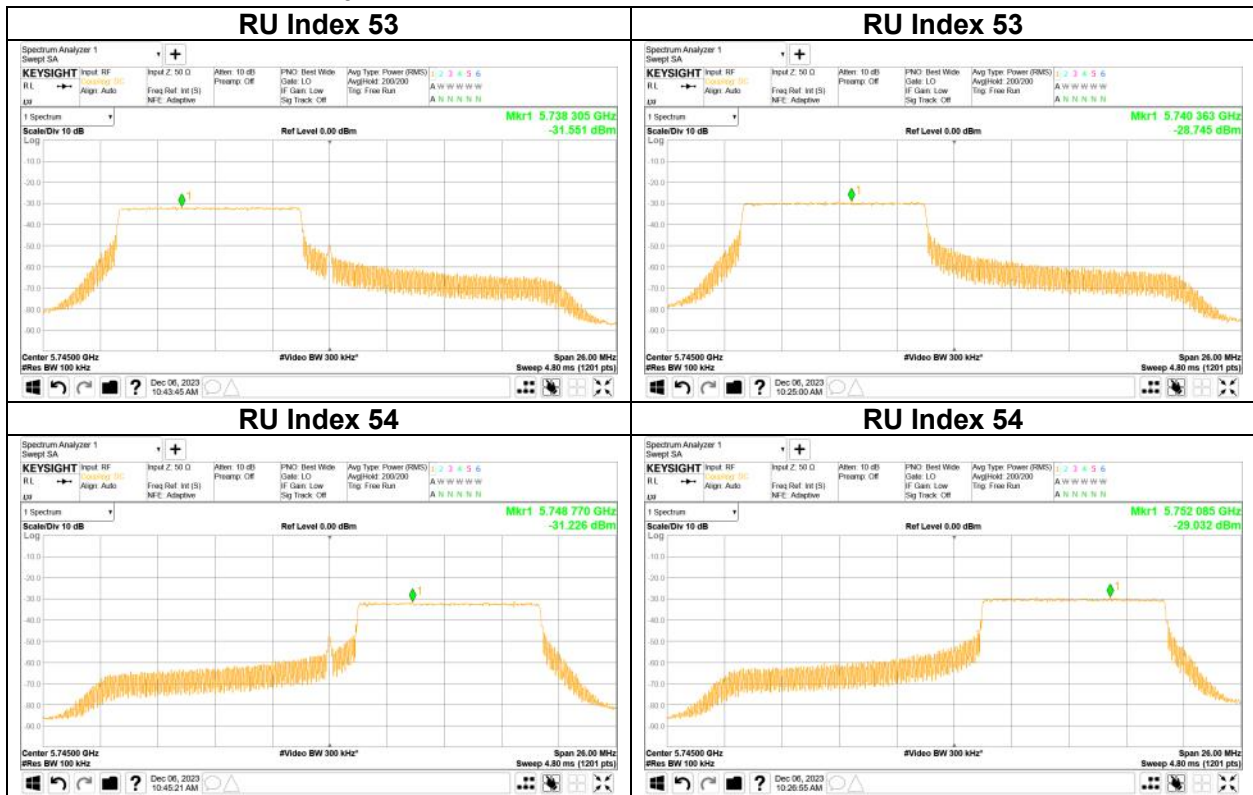


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5745 MHz

ANT0

ANT1

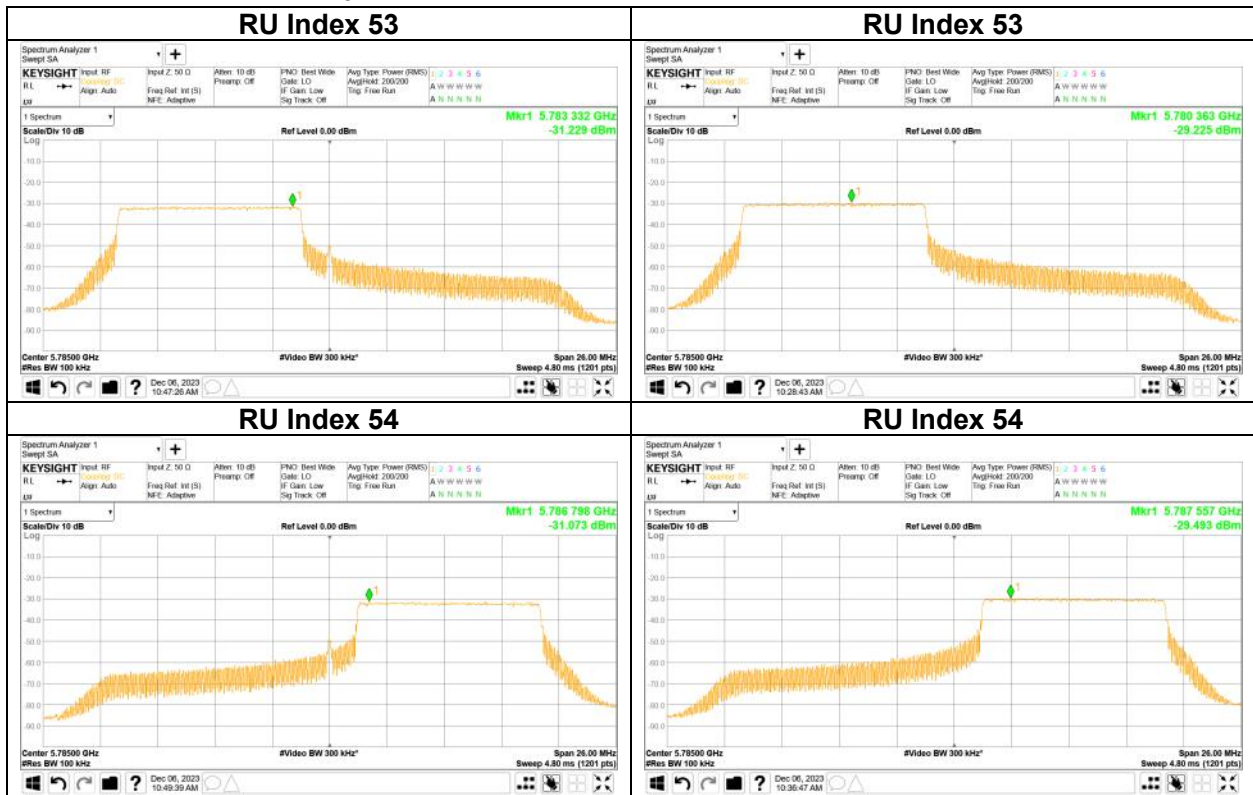


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5785 MHz

ANT0

ANT1

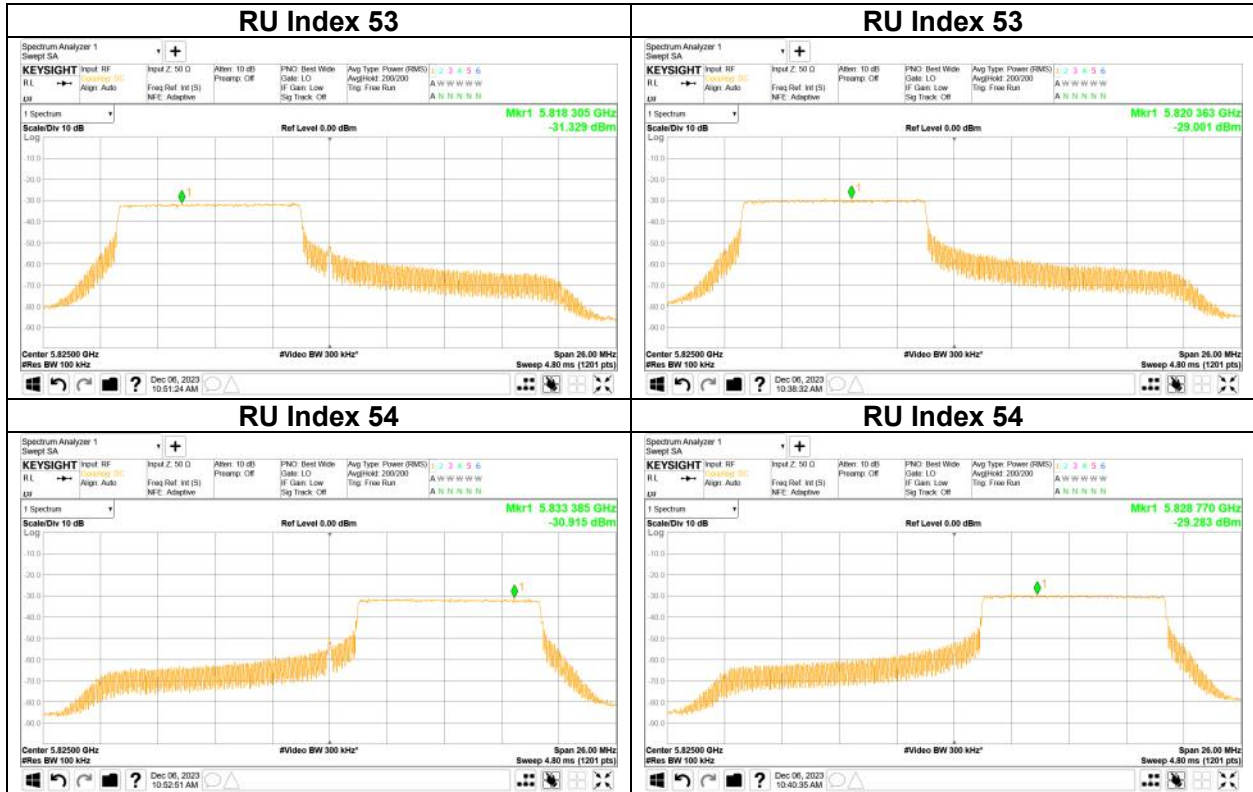


Maximum Power Spectral Density

11ax-20 (OFDMA)
106-tone RU 5825 MHz

ANT0

ANT1



Maximum Power Spectral Density

Test place Shonan EMC Lab. No.5 Shielded Room
Date December 6, 2023
Temperature / Humidity 23 deg. C / 30 % RH
Engineer Yosuke Murakami
Mode Tx 11ax-20 (OFDMA) 242-tone RU

ANT0 + ANT1

Applied limit: 15.407, mobile and portable client device

Tested Frequency [MHz]	RU Index	PSD (Conducted)						PSD (e.i.r.p.)					
		Antenna			Result	Limit	Margin	Antenna			Result	Limit	Margin
		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]
5180	61	0.21	0.31	0.52	-2.82	8.84	11.66	1.37	2.05	3.42	5.34	17.00	11.66
5220	61	0.19	0.33	0.52	-2.87	8.84	11.71	1.21	2.16	3.38	5.29	17.00	11.71
5240	61	0.19	0.32	0.52	-2.85	8.84	11.69	1.27	2.12	3.40	5.31	17.00	11.69
5260	61	0.19	0.32	0.51	-2.94	8.84	11.78	1.24	2.09	3.33	5.22	17.00	11.78
5300	61	0.21	0.30	0.50	-2.97	8.84	11.81	1.34	1.96	3.30	5.19	17.00	11.81
5320	61	0.18	0.29	0.47	-3.26	8.84	12.10	1.18	1.91	3.09	4.90	17.00	12.10
5500	61	0.34	0.46	0.79	-1.00	10.45	11.45	1.52	2.07	3.59	5.55	17.00	11.45
5580	61	0.31	0.47	0.78	-1.07	10.45	11.52	1.39	2.15	3.54	5.48	17.00	11.52
5700	61	0.29	0.41	0.70	-1.55	10.45	12.00	1.32	1.85	3.16	5.00	17.00	12.00
5745	61	0.08	0.17	0.25	-6.01	29.93	35.94	0.34	0.68	1.01	0.06	36.00	35.94
5785	61	0.09	0.17	0.26	-5.81	29.93	35.74	0.35	0.71	1.06	0.26	36.00	35.74
5825	61	0.09	0.16	0.25	-6.10	29.93	36.03	0.35	0.64	0.99	-0.03	36.00	36.03

				ANT0						ANT1					
Tested Frequency	RU Index	Duty Factor	RBW Correction 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	61	0.00	0.00	-19.82	3.04	9.98	8.16	-6.80	1.36	-18.19	3.06	10.09	8.16	-5.04	3.12
5220	61	0.00	0.00	-20.35	3.05	9.98	8.16	-7.32	0.84	-17.97	3.07	10.09	8.16	-4.81	3.35
5240	61	0.00	0.00	-20.14	3.06	9.98	8.16	-7.11	1.05	-18.05	3.08	10.09	8.16	-4.89	3.27
5260	61	0.00	0.00	-20.27	3.06	9.98	8.16	-7.23	0.93	-18.13	3.08	10.09	8.16	-4.96	3.20
5300	61	0.00	0.00	-19.93	3.07	9.98	8.16	-6.88	1.28	-18.42	3.09	10.09	8.16	-5.24	2.92
5320	61	0.00	0.00	-20.50	3.08	9.98	8.16	-7.44	0.72	-18.54	3.10	10.09	8.16	-5.36	2.80
5500	61	0.00	0.00	-17.86	3.14	9.98	6.55	-4.74	1.81	-16.63	3.16	10.09	6.55	-3.38	3.17
5580	61	0.00	0.00	-18.26	3.16	9.98	6.55	-5.12	1.43	-16.50	3.18	10.09	6.55	-3.23	3.32
5700	61	0.00	0.00	-18.53	3.19	9.98	6.55	-5.36	1.19	-17.19	3.21	10.09	6.55	-3.88	2.67
5745	61	0.00	6.99	-30.98	3.20	9.98	6.07	-10.81	-4.74	-28.06	3.22	10.09	6.07	-7.76	-1.69
5785	61	0.00	6.99	-30.76	3.21	9.98	6.07	-10.58	-4.51	-27.89	3.23	10.10	6.07	-7.57	-1.50
5825	61	0.00	6.99	-30.80	3.23	9.98	6.07	-10.60	-4.53	-28.34	3.25	10.10	6.07	-8.00	-1.93

Sample Calculation:

PSD: Power Spectral Density

The PSD within 5725 MHz to 5825 MHz are based on any 500 kHz band.

RBW Correction Factor = $10 \cdot \log(\text{Specified bandwidth} / \text{Measured bandwidth})$

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

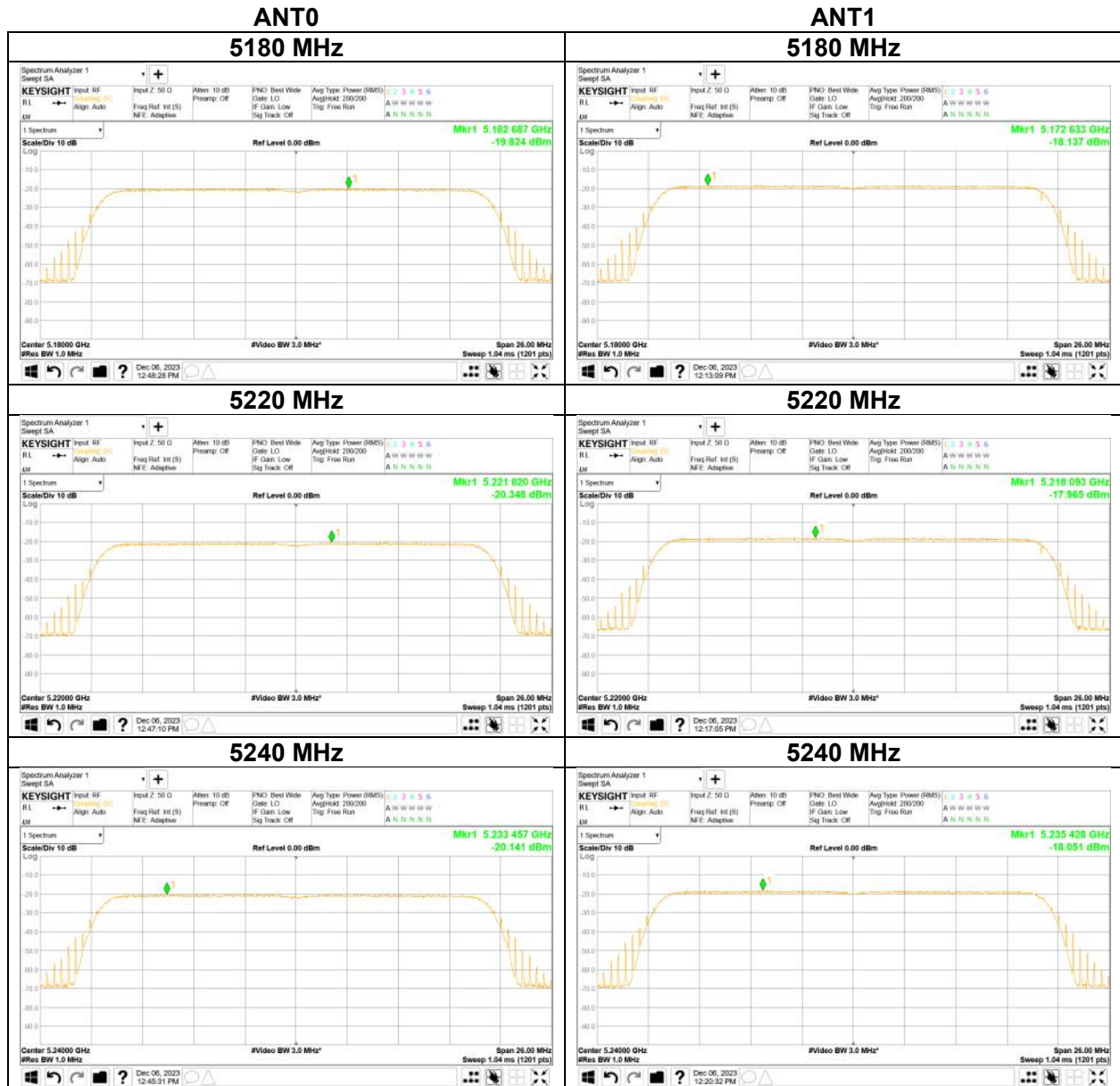
PSD Result (e.i.r.p.) = Conducted PSD Result + Antenna Gain

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 IC)

* The Duty Factor is 0 dB, since this measurement was performed only on the on time using the gate function of spectrum analyzer.

Maximum Power Spectral Density

11ax-20 (OFDMA)
242-tone RU
RU Index 61



Maximum Power Spectral Density

11ax-20 (OFDMA)
242-tone RU
RU Index 61

