

## APPENDIX J: IEEE 802.11AX RU SAR EXCLUSION

### J.1 IEEE 802.11ax RU SAR Exclusion




To make the most efficient use of the additional available subcarriers (data tones), IEEE 802.11ax can utilize Orthogonal Frequency-Division Multiple Access (OFDMA) which divides the existing 802.11 channels into smaller subchannels called Resource Units (RUs). Possible RU sizes are: 26T, 52T, 106T, 242T, 484T and 996T.

Per FCC Guidance, 802.11ax was considered a higher order 802.11 mode when compared to a/b/g/n/ac to apply KDB Publication 248227 D01v02r02 for OFDM mode selection. Therefore, SAR tests were not required for 802.11ax based on the maximum allowed output powers of OFDM modes and the reported SAR values. Per FCC Guidance, maximum conducted powers were performed for each RU size to demonstrate that the output powers would not be higher than the other OFDM 802.11 modes.

### J.2 IEEE 802.11ax RU Target Powers

#### J.2.1 2.4 GHz Maximum 802.11ax RU WLAN Output Power

IEEE 802.11ax RU (in dBm)		
MIMO		
Tones	2.4GHz	
	Nominal	Maximum
26T	18.0	19.0
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0
52T	18.0	19.0
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0
106T	19.0	20.0
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0
242T	20.5	21.5
	Ch. 1: 17.5	Ch. 1: 18.5
	Ch. 2: 19.5	Ch. 2: 20.5
	Ch. 11: 17.5	Ch. 11: 18.5
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0

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## J.2.2 2.4 GHz Reduced 802.11ax RU WLAN Output Power

The below table is applicable in the following conditions:




- RCV Active
- Simultaneous conditions with 5/6 GHz WLAN

IEEE 802.11ax RU (in dBm)		
MIMO		
Tones	2.4GHz	
	Nominal	Maximum
26T	18.0	19.0
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0
52T	18.0	19.0
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0
106T	19.0	20.0
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0
242T	19.0	20.0
	Ch. 1: 17.5	Ch. 1: 18.5
	Ch. 11: 17.5	Ch. 11: 18.5
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0

The below table is applicable in the following conditions:

- RCV Active during simultaneous conditions with 5/6 GHz WLAN

IEEE 802.11ax RU (in dBm)		
MIMO		
Tones	2.4GHz	
	Nominal	Maximum
26T	16.0	17.0
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0
52T	16.0	17.0
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0
106T	16.0	17.0
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0
242T	16.0	17.0
	Ch. 12: 8.0	Ch. 12: 9.0
	Ch. 13: 2.0	Ch. 13: 3.0

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### J.2.3 5 GHz Maximum 802.11ax RU WLAN Output Power

IEEE 802.11ax RU (in dBm)								
MIMO								
Tones	5 GHz 20MHz		5 GHz 40MHz		5 GHz 80MHz		5 GHz 160MHz	
	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum
26T	11.5	12.5	11.5	12.5	11.5	12.5	12.0	13.0
52T	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0
106T	17.0	18.0	17.0	18.0	17.0	18.0	17.0	18.0
242T	17.5	18.5	17.5	18.5	17.5	18.5	17.5	18.5
484T			17.5	18.5	17.5	18.5	17.5	18.5
			Ch. 38: 16.0	Ch. 38: 17.0	Ch. 42: 16.5	Ch. 42: 17.5	Ch. 50: 16.5	Ch. 50: 17.5
996T					17.5	18.5	17.5	18.5
			Ch. 50: 15.0	Ch. 50: 16.0				

### J.2.4 5 GHz Reduced 802.11ax RU WLAN Output Power




The below table is applicable in the following conditions:

- RCV Active
- Simultaneous conditions with 2.4 GHz WLAN
- RCV Active during simultaneous conditions with 2.4 GHz WLAN

IEEE 802.11ax RU (in dBm)								
MIMO								
Tones	5 GHz 20MHz		5 GHz 40MHz		5 GHz 80MHz		5 GHz 160MHz	
	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum
26T	11.5	12.5	11.5	12.5	11.5	12.5	12.0	13.0
52T	15.0	16.0	15.0	16.0	15.0	16.0	15.0	16.0
106T	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0
242T	16.0	17.0	16.0	17.0	16.0	17.0	16.0	17.0
484T			16.0	17.0	16.0	17.0	16.0	17.0
			Ch. 50: 15.0	Ch. 50: 16.0				
996T					16.0	17.0	16.0	17.0
			Ch. 50: 15.0	Ch. 50: 16.0				

### J.2.5 6 GHz Maximum 802.11ax RU WLAN Output Power



IEEE 802.11ax RU (in dBm)								
MIMO								
Tones	6 GHz 20MHz		6 GHz 40MHz		6 GHz 80MHz		6 GHz 160MHz	
	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum	Nominal	Maximum
26T	3.0	4.0	3.0	4.0	3.0	4.0	3.0	4.0
52T	6.0	7.0	6.0	7.0	6.0	7.0	6.0	7.0
106T	9.0	10.0	9.0	10.0	9.0	10.0	9.0	10.0
242T	14.0	15.0	14.0	15.0	14.0	15.0	14.0	15.0
	U-NII-5: 12.0	U-NII-5: 13.0	U-NII-5: 12.0	U-NII-5: 13.0	U-NII-5: 12.0	U-NII-5: 13.0	U-NII-5: 12.0	U-NII-5: 13.0
484T			15.0	16.0	15.0	16.0	15.0	16.0
			Ch. 50: 15.0	Ch. 50: 16.0				
996T					15.0	16.0	15.0	16.0
			Ch. 50: 15.0	Ch. 50: 16.0				

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### J.3 IEEE 802.11ax Measured Powers

**Table J-1**  
**Maximum 2.4 GHz 802.11ax RU Output Power – MIMO**

Freq [MHz]	Channel	Tones	RU Index	Conducted Power [dBm]		
				Antenna-1	Antenna-2	MIMO
				AVG	AVG	AVG
2412	1	26T	0	15.60	15.72	18.67
			4	15.99	15.73	18.87
			8	15.97	15.31	18.66
2437	6	26T	0	15.99	15.75	18.88
			4	15.30	15.38	18.35
			8	15.13	15.01	18.08
2462	11	26T	0	15.33	15.35	18.35
			4	15.32	15.07	18.21
			8	15.68	15.68	18.69
2467	12	26T	0	5.26	5.31	8.30
			4	5.74	5.72	8.74
			8	5.78	5.77	8.79
2472	13	26T	0	-0.47	-0.97	2.30
			4	-0.99	-0.27	2.40
			8	-0.29	-0.94	2.41
Freq [MHz]	Channel	Tones	RU Index	Conducted Power [dBm]		
				Antenna-1	Antenna-2	MIMO
				AVG	AVG	AVG
2412	1	52T	37	16.00	15.85	18.94
			38	15.98	15.26	18.65
			40	15.68	15.01	18.37
2437	6	52T	37	15.69	15.03	18.38
			38	15.98	15.77	18.89
			40	15.57	15.13	18.37
2462	11	52T	37	15.89	15.71	18.81
			38	15.31	15.45	18.39
			40	15.93	15.85	18.90
2467	12	52T	37	5.90	5.44	8.69
			38	5.92	5.92	8.93
			40	5.94	5.91	8.94
2472	13	52T	37	-0.44	-1.03	2.29
			38	-0.96	-0.62	2.22
			40	-0.56	-0.22	2.62
Freq [MHz]	Channel	Tones	RU Index	Conducted Power [dBm]		
				Antenna-1	Antenna-2	MIMO
				AVG	AVG	AVG
2412	1	106T	53	16.28	16.02	19.16
			54	16.90	16.14	19.55
2437	6	106T	53	16.66	16.46	19.57
			54	16.72	16.40	19.57
2462	11	106T	53	16.81	16.81	19.82
			54	16.85	16.64	19.76
2467	12	106T	53	5.93	5.72	8.84
			54	5.21	5.22	8.23
2472	13	106T	53	-0.07	-0.79	2.60
			54	-0.19	-0.26	2.79
Freq [MHz]	Channel	Tones	RU Index	Conducted Power [dBm]		
				Antenna-1	Antenna-2	MIMO
				AVG	AVG	AVG
2412	1	242T	61	15.29	14.71	18.02
2417	2	242T	61	17.48	16.97	20.24
2422	3	242T	61	18.49	18.28	21.40
2437	6	242T	61	18.47	18.31	21.40
2457	10	242T	61	18.37	18.48	21.44
2462	11	242T	61	15.37	15.46	18.43
2467	12	242T	61	5.63	5.61	8.63
2472	13	242T	61	-0.61	-0.86	2.28

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**Table J-2**  
**Maximum 5 GHz 802.11ax RU Output Power – MIMO**

20MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 0			RU Index: 4			RU Index: 8		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
20MHz BW	1	5180	36	26T	8.37	9.20	11.81	8.93	9.45	12.21	8.82	9.36	12.11
		5200	40	26T	8.76	8.93	11.85	9.26	9.42	12.35	9.03	9.09	12.07
		5240	48	26T	9.07	8.92	12.00	9.49	9.37	12.44	9.22	9.03	12.14
	2A	5260	52	26T	8.92	8.80	11.87	9.47	9.38	12.44	9.16	9.08	12.13
		5280	56	26T	9.02	8.63	11.84	9.38	9.17	12.29	9.42	8.93	12.19
		5320	64	26T	9.46	8.87	12.18	9.44	9.45	12.46	9.38	9.05	12.23
	2C	5500	100	26T	8.85	8.21	11.55	9.16	8.53	11.87	8.97	8.01	11.53
		5600	120	26T	8.87	8.55	11.72	9.24	9.46	12.36	8.65	8.94	11.81
		5720	144	26T	9.07	9.03	12.06	9.47	9.35	12.42	9.49	9.36	12.44
	3	5745	149	26T	8.91	8.87	11.90	9.21	9.31	12.27	8.91	8.77	11.85
		5785	157	26T	8.77	8.82	11.81	9.41	9.15	12.29	8.78	9.05	11.93
		5825	165	26T	9.01	9.40	12.22	9.39	9.49	12.45	9.05	9.15	12.11



20MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 37			RU Index: 39			RU Index: 40		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
20MHz BW	1	5180	36	52T	12.34	12.85	15.61	12.58	12.96	15.78	12.56	12.98	15.79
		5200	40	52T	12.39	12.81	15.62	12.77	12.89	15.84	12.51	12.98	15.76
		5240	48	52T	12.65	12.94	15.81	12.86	12.99	15.94	12.75	12.96	15.86
	2A	5260	52	52T	12.64	12.64	15.65	12.34	12.16	15.26	12.83	12.91	15.88
		5280	56	52T	12.75	12.76	15.76	12.95	12.94	15.96	12.84	12.78	15.82
		5320	64	52T	12.95	12.69	15.83	12.38	12.22	15.31	12.96	12.81	15.90
	2C	5500	100	52T	12.69	12.46	15.59	12.96	12.81	15.90	12.33	12.41	15.38
		5600	120	52T	12.95	12.76	15.87	12.94	12.93	15.95	12.86	12.79	15.84
		5720	144	52T	12.16	12.39	15.29	12.53	12.66	15.61	12.05	12.15	15.11
	3	5745	149	52T	12.45	12.53	15.50	12.73	12.93	15.84	12.46	12.61	15.55
		5785	157	52T	12.46	12.67	15.58	12.88	12.92	15.91	12.53	12.85	15.70
		5825	165	52T	12.51	12.86	15.70	12.80	12.99	15.91	12.55	12.82	15.69

20MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)					
					RU Index: 53			RU Index: 54		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
20MHz BW	1	5180	36	106T	14.42	14.98	17.72	14.68	14.96	17.83
		5200	40	106T	14.24	14.86	17.57	14.52	14.96	17.75
		5240	48	106T	14.46	14.86	17.67	14.65	14.94	17.81
	2A	5260	52	106T	14.57	14.64	17.62	14.96	14.98	17.98
		5280	56	106T	14.83	14.82	17.84	14.89	14.96	17.94
		5320	64	106T	14.95	14.85	17.91	14.98	14.88	17.94
	2C	5500	100	106T	14.47	14.34	17.42	14.46	14.42	17.45
		5600	120	106T	14.98	14.87	17.94	14.71	14.84	17.79
		5720	144	106T	14.28	14.43	17.37	14.26	14.35	17.31
	3	5745	149	106T	14.51	14.48	17.50	14.44	14.52	17.49
		5785	157	106T	14.66	14.76	17.72	14.43	14.78	17.62
		5825	165	106T	14.59	14.93	17.78	14.68	14.82	17.76

20MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)		
					RU Index: 61		
					ANT1	ANT2	MIMO
20MHz BW	1	5180	36	242T	14.55	15.12	17.85
		5200	40	242T	14.49	14.94	17.73
		5240	48	242T	14.58	14.89	17.75
	2A	5260	52	242T	14.56	14.72	17.65
		5280	56	242T	14.74	14.72	17.74
		5320	64	242T	15.03	14.85	17.95
	2C	5500	100	242T	14.58	14.49	17.55
		5600	120	242T	14.83	14.93	17.89
		5720	144	242T	15.17	15.38	18.29
	3	5745	149	242T	15.25	15.49	18.38
		5785	157	242T	14.59	14.73	17.67
		5825	165	242T	14.56	14.78	17.68

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40MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 0			RU Index: 8			RU Index: 17		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5190	38	26T	8.38	8.65	11.53	9.09	9.45	12.28	8.93	9.07	12.01	
	5230	46	26T	8.52	8.72	11.63	9.33	9.40	12.38	8.81	8.93	11.88	
2A	5270	54	26T	8.98	8.80	11.90	9.41	9.46	12.45	9.01	8.95	11.99	
	5310	62	26T	8.74	8.29	11.53	9.26	9.00	12.14	8.81	8.90	11.87	
2C	5510	102	26T	8.87	8.54	11.72	9.11	8.83	11.98	8.90	8.83	11.88	
	5590	118	26T	8.73	8.29	11.53	9.48	8.75	12.14	8.84	8.19	11.54	
	5710	142	26T	9.22	9.16	12.20	9.38	9.04	12.22	9.46	9.41	12.45	
3	5755	151	26T	8.88	8.63	11.77	9.48	9.39	12.45	8.96	9.20	12.09	
	5795	159	26T	9.21	8.75	12.00	9.26	9.24	12.26	8.64	8.77	11.72	

40MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 37			RU Index: 40			RU Index: 44		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5190	38	52T	11.82	12.55	15.21	12.36	12.73	15.56	12.23	12.76	15.51	
	5230	46	52T	12.04	12.46	15.27	12.24	12.54	15.40	12.27	12.68	15.49	
2A	5270	54	52T	12.15	12.29	15.23	12.46	12.52	15.50	12.64	12.63	15.65	
	5310	62	52T	12.47	12.08	15.29	12.71	12.49	15.61	12.82	12.60	15.72	
2C	5510	102	52T	12.42	12.28	15.36	12.94	12.87	15.92	12.38	12.42	15.41	
	5590	118	52T	12.62	12.17	15.41	12.90	12.89	15.91	12.67	12.42	15.56	
	5710	142	52T	12.94	12.87	15.92	12.41	12.55	15.49	12.97	12.98	15.99	
3	5755	151	52T	12.18	12.29	15.25	12.89	12.73	15.82	12.21	12.18	15.21	
	5795	159	52T	12.41	12.48	15.46	12.99	12.92	15.97	12.59	12.65	15.63	

40MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 53			RU Index: 54			RU Index: 56		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5190	38	106T	13.99	14.65	17.34	14.68	14.98	17.84	14.53	14.93	17.74	
	5230	46	106T	14.41	14.65	17.54	14.72	14.99	17.87	14.51	14.97	17.76	
2A	5270	54	106T	14.75	14.64	17.71	14.46	14.33	17.40	14.84	14.88	17.87	
	5310	62	106T	14.85	14.68	17.78	14.65	14.27	17.47	14.94	14.78	17.87	
2C	5510	102	106T	14.64	14.30	17.48	14.96	14.74	17.86	14.61	14.35	17.49	
	5590	118	106T	14.71	14.42	17.58	14.96	14.86	17.92	14.72	14.62	17.68	
	5710	142	106T	14.93	14.99	17.97	14.61	14.65	17.64	14.36	14.40	17.39	
3	5755	151	106T	14.28	14.26	17.28	14.69	14.60	17.66	14.23	14.45	17.35	
	5795	159	106T	14.48	14.46	17.48	14.88	14.83	17.86	14.59	14.71	17.66	

40MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)					
					RU Index: 61			RU Index: 62		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5190	38	242T	14.48	15.12	17.82	14.72	15.08	17.91	
	5230	46	242T	14.46	14.84	17.66	14.65	15.17	17.93	
2A	5270	54	242T	14.96	14.98	17.98	15.15	15.13	18.15	
	5310	62	242T	15.12	14.93	18.04	15.18	15.01	18.11	
2C	5510	102	242T	14.58	14.43	17.52	14.72	14.76	17.75	
	5590	118	242T	14.72	14.46	17.60	14.88	14.75	17.83	
	5710	142	242T	15.01	15.04	18.04	15.41	15.48	18.46	
3	5755	151	242T	15.35	15.45	18.41	14.65	14.79	17.73	
	5795	159	242T	15.37	15.49	18.44	14.62	14.91	17.78	

40MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)		
					RU Index: 65		
					ANT1	ANT2	MIMO
1	5190	38	484T	13.47	13.97	16.74	
	5230	46	484T	15.14	15.32	18.24	
2A	5270	54	484T	15.49	15.29	18.40	
	5310	62	484T	15.47	15.40	18.45	
2C	5510	102	484T	15.21	14.82	18.03	
	5590	118	484T	15.27	14.95	18.12	
	5710	142	484T	15.38	15.41	18.41	
3	5755	151	484T	14.84	14.82	17.84	
	5795	159	484T	15.07	15.14	18.12	

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80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 0			RU Index: 18			RU Index: 36		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5210	42	26T	8.76	9.26	12.03	9.18	9.16	12.18	9.10	8.57	11.85	
2A	5290	58	26T	9.12	9.36	12.25	9.49	9.37	12.44	9.16	9.00	12.09	
2C	5530	106	26T	9.27	8.59	11.95	9.28	8.92	12.11	8.71	8.54	11.64	
	5610	122	26T	9.35	8.50	11.96	9.22	8.21	11.75	9.37	8.53	11.98	
	5690	138	26T	9.22	8.65	11.95	9.13	9.19	12.17	8.70	8.94	11.83	
3	5775	155	26T	9.24	8.75	12.01	9.28	9.22	12.26	9.12	9.19	12.17	

80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 37			RU Index: 44			RU Index: 52		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5210	42	52T	12.42	12.77	15.61	12.48	12.45	15.48	12.40	12.16	15.29	
2A	5290	58	52T	12.65	12.64	15.66	12.43	12.32	15.39	12.35	12.09	15.23	
2C	5530	106	52T	12.82	12.99	15.92	12.85	12.99	15.93	12.66	12.89	15.79	
	5610	122	52T	12.00	12.75	15.40	12.96	12.81	15.90	12.86	12.79	15.84	
	5690	138	52T	12.85	12.98	15.93	12.26	12.62	15.46	12.32	12.67	15.51	
3	5775	155	52T	12.58	12.82	15.71	12.10	12.46	15.29	12.01	12.33	15.18	




80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 53			RU Index: 56			RU Index: 60		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5210	42	106T	14.37	14.70	17.55	14.36	14.35	17.37	14.38	14.12	17.26	
2A	5290	58	106T	14.91	14.59	17.76	14.38	14.26	17.33	14.26	14.15	17.22	
2C	5530	106	106T	14.04	14.26	17.16	14.15	14.37	17.27	14.83	14.96	17.91	
	5610	122	106T	14.74	14.91	17.84	14.34	14.02	17.19	14.26	14.18	17.23	
	5690	138	106T	14.86	14.99	17.94	14.34	14.43	17.40	14.36	14.68	17.53	
3	5775	155	106T	14.48	14.57	17.54	14.89	14.98	17.95	14.72	14.98	17.86	

80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 61			RU Index: 62			RU Index: 64		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5210	42	242T	14.74	14.91	17.84	15.26	15.23	18.26	15.49	15.23	18.37	
2A	5290	58	242T	14.26	15.19	17.76	14.84	14.53	17.70	15.41	15.28	18.36	
2C	5530	106	242T	15.09	15.39	18.25	15.12	15.40	18.27	15.19	15.41	18.31	
	5610	122	242T	14.91	15.02	17.98	14.94	15.12	18.04	15.26	15.14	18.21	
	5690	138	242T	15.05	15.26	18.17	15.33	15.47	18.41	14.63	14.93	17.79	
3	5775	155	242T	14.84	14.99	17.93	15.01	15.14	18.09	14.91	15.49	18.22	




80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)					
					RU Index: 65			RU Index: 66		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5210	42	484T	14.31	14.26	17.30	13.83	13.79	16.82	
2A	5290	58	484T	15.13	14.90	18.03	15.32	15.15	18.25	
2C	5530	106	484T	14.83	15.16	18.01	14.75	15.09	17.93	
	5610	122	484T	14.72	14.64	17.69	14.75	14.83	17.80	
	5690	138	484T	14.68	14.96	17.83	15.25	15.49	18.38	
3	5775	155	484T	14.58	14.81	17.71	14.71	15.05	17.89	

80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)		
					RU Index: 67		
					ANT1	ANT2	MIMO
1	5210	42	996T	14.76	14.93	17.86	
2A	5290	58	996T	15.15	14.81	17.99	
2C	5530	106	996T	15.27	15.49	18.39	
	5610	122	996T	15.41	15.39	18.41	
	5690	138	996T	14.68	14.86	17.78	
3	5775	155	996T	15.27	15.50	18.40	

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**Table J-3  
Maximum 5 GHz 802.11ax RU Lower Block Output Power – MIMO**

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 0			RU Index: 18			RU Index: 36		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5250	50	26T	9.57	9.98	12.79	9.95	9.70	12.84	9.04	9.24	12.15	
2A	5570	114	26T	9.91	9.85	12.89	9.97	9.78	12.89	9.49	9.26	12.39	
160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 37			RU Index: 44			RU Index: 52		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5250	50	52T	12.75	12.98	15.88	12.58	12.81	15.71	12.93	12.94	15.95	
2C	5570	114	52T	12.81	12.97	15.90	12.19	12.51	15.36	12.20	12.37	15.30	
160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 53			RU Index: 56			RU Index: 60		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5250	50	106T	14.40	14.89	17.66	14.26	14.40	17.34	14.74	14.66	17.71	
2C	5570	114	106T	14.88	14.99	17.94	14.19	14.39	17.30	14.04	14.41	17.24	
160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 61			RU Index: 62			RU Index: 64		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5250	50	242T	14.93	15.36	18.16	14.81	15.04	17.94	15.40	15.49	18.46	
2C	5570	114	242T	14.76	15.09	17.94	15.14	15.31	18.24	15.15	15.29	18.23	
160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 65			RU Index: 66					
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO			
1	5250	50	484T	14.27	14.49	17.39	13.65	13.69	16.68				
2C	5570	114	484T	14.75	15.09	17.93	15.14	15.49	18.33				
160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 67								
					ANT1	ANT2	MIMO						
1	5250	50	996T	12.39	12.43	15.42							
2C	5570	114	996T	14.74	15.04	17.90							

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**Table J-4**  
**Maximum 5 GHz 802.11ax RU Upper Block Output Power – MIMO**

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 0			RU Index: 18			RU Index: 36		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5250	50	26T	9.88	9.96	12.93	9.78	9.42	12.61	9.25	9.33	12.30	
2C	5570	114	26T	9.65	9.38	12.53	9.76	9.24	12.52	9.68	9.10	12.41	

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 37			RU Index: 44			RU Index: 52		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5250	50	52T	12.76	12.63	15.71	12.75	12.60	15.68	12.95	12.78	15.88	
2C	5570	114	52T	12.25	12.41	15.34	12.89	12.99	15.95	12.38	12.57	15.49	

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 53			RU Index: 56			RU Index: 60		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5250	50	106T	14.78	14.59	17.70	14.84	14.59	17.73	14.83	14.49	17.67	
2C	5570	114	106T	14.25	14.41	17.34	14.16	14.32	17.25	14.01	14.34	17.19	




160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 61			RU Index: 62			RU Index: 64		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5250	50	242T	14.96	14.80	17.89	15.34	15.23	18.30	15.19	14.81	18.01	
2C	5570	114	242T	15.24	15.48	18.37	15.22	15.42	18.33	15.31	15.47	18.40	

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)					
					RU Index: 65			RU Index: 66		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
1	5250	50	484T	14.20	13.93	17.08	14.13	13.86	17.01	
2C	5570	114	484T	15.27	15.46	18.38	15.21	15.41	18.32	




  

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)		
					RU Index: 67		
					ANT1	ANT2	MIMO
1	5250	50	996T	12.31	12.06	15.20	
2C	5570	114	996T	15.17	15.33	18.26	




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**Table J-5**  
**Maximum 5 GHz UNII-4 802.11ax RU Output Power – MIMO**

Band	Frequency	Bandwidth	Channel	Mode	Tone	RU index	Detector	Ant1 Power [dBm]	Ant2 Power [dBm]	MIMO Power [dBm]	Target [dBm]
UNII4	5845	20MHz	169	ax RU	26T	0	Average	9.08	9.28	12.19	11.5
UNII4	5845	20MHz	169	ax RU	26T	4	Average	8.68	9.04	11.87	11.5
UNII4	5845	20MHz	169	ax RU	26T	8	Average	9.13	9.27	12.21	11.5
UNII4	5845	20MHz	169	ax RU	52T	37	Average	12.65	12.84	15.97	15
UNII4	5845	20MHz	169	ax RU	52T	39	Average	11.93	12.49	15.23	15
UNII4	5845	20MHz	169	ax RU	52T	40	Average	12.68	12.82	15.97	15
UNII4	5845	20MHz	169	ax RU	106T	53	Average	14.54	14.79	17.89	17
UNII4	5845	20MHz	169	ax RU	106T	54	Average	14.68	14.73	17.92	17
UNII4	5845	20MHz	169	ax RU	242T	61	Average	14.58	15.20	17.91	17.5
UNII4	5865	20MHz	173	ax RU	26T	0	Average	9.35	9.38	12.38	11.5
UNII4	5865	20MHz	173	ax RU	26T	4	Average	8.72	9.04	11.89	11.5
UNII4	5865	20MHz	173	ax RU	26T	8	Average	9.21	9.13	12.18	11.5
UNII4	5865	20MHz	173	ax RU	52T	37	Average	12.64	12.88	15.98	15
UNII4	5865	20MHz	173	ax RU	52T	39	Average	11.86	12.34	15.12	15
UNII4	5865	20MHz	173	ax RU	52T	40	Average	12.43	12.62	15.75	15
UNII4	5865	20MHz	173	ax RU	106T	53	Average	14.68	14.75	17.93	17
UNII4	5865	20MHz	173	ax RU	106T	54	Average	14.66	14.85	17.98	17
UNII4	5865	20MHz	173	ax RU	242T	61	Average	14.47	15.28	17.90	17.5
UNII4	5885	20MHz	177	ax RU	26T	0	Average	8.77	9.03	11.91	11.5
UNII4	5885	20MHz	177	ax RU	26T	4	Average	8.98	9.44	12.23	11.5
UNII4	5885	20MHz	177	ax RU	26T	8	Average	9.27	9.23	12.47	11.5
UNII4	5885	20MHz	177	ax RU	52T	37	Average	12.63	12.87	15.97	15
UNII4	5885	20MHz	177	ax RU	52T	39	Average	11.83	12.51	15.19	15
UNII4	5885	20MHz	177	ax RU	52T	40	Average	12.69	12.85	15.99	15
UNII4	5885	20MHz	177	ax RU	106T	53	Average	14.61	14.91	17.98	17
UNII4	5885	20MHz	177	ax RU	106T	54	Average	14.63	14.85	17.96	17
UNII4	5885	20MHz	177	ax RU	242T	61	Average	14.54	15.20	17.89	17.5
UNII4	5835	40MHz	167	ax RU	26T	0	Average	9.11	9.16	12.14	11.5
UNII4	5835	40MHz	167	ax RU	26T	8	Average	8.92	8.78	11.86	11.5
UNII4	5835	40MHz	167	ax RU	26T	17	Average	9.24	9.27	12.27	11.5
UNII4	5835	40MHz	167	ax RU	52T	37	Average	12.47	12.65	15.57	15
UNII4	5835	40MHz	167	ax RU	52T	40	Average	12.25	12.41	15.34	15
UNII4	5835	40MHz	167	ax RU	52T	44	Average	12.46	12.92	15.71	15
UNII4	5835	40MHz	167	ax RU	106T	53	Average	14.57	14.85	17.72	17
UNII4	5835	40MHz	167	ax RU	106T	54	Average	14.72	14.71	17.93	17
UNII4	5835	40MHz	167	ax RU	106T	56	Average	14.45	15.00	17.74	17
UNII4	5835	40MHz	167	ax RU	242T	61	Average	14.53	15.00	17.78	17.5
UNII4	5835	40MHz	167	ax RU	242T	62	Average	14.61	15.22	17.94	17.5
UNII4	5835	40MHz	167	ax RU	484T	65	Average	15.05	15.43	18.25	17.5
UNII4	5875	40MHz	175	ax RU	26T	0	Average	9.07	9.32	12.21	11.5
UNII4	5875	40MHz	175	ax RU	26T	8	Average	9.28	9.30	12.30	11.5
UNII4	5875	40MHz	175	ax RU	26T	17	Average	9.27	9.35	12.32	11.5
UNII4	5875	40MHz	175	ax RU	52T	37	Average	12.11	12.81	15.48	15
UNII4	5875	40MHz	175	ax RU	52T	40	Average	12.14	12.55	15.36	15
UNII4	5875	40MHz	175	ax RU	52T	44	Average	12.46	12.97	15.73	15
UNII4	5875	40MHz	175	ax RU	106T	53	Average	14.28	14.94	17.63	17
UNII4	5875	40MHz	175	ax RU	106T	54	Average	14.12	14.53	17.34	17
UNII4	5875	40MHz	175	ax RU	106T	56	Average	14.50	14.71	17.83	17
UNII4	5875	40MHz	175	ax RU	242T	61	Average	14.40	15.05	17.75	17.5
UNII4	5875	40MHz	175	ax RU	242T	62	Average	14.73	15.37	18.07	17.5
UNII4	5875	40MHz	175	ax RU	484T	65	Average	14.77	15.42	18.12	17.5
UNII4	5855	80MHz	171	ax RU	26T	0	Average	8.65	8.96	11.82	11.5
UNII4	5855	80MHz	171	ax RU	26T	18	Average	9.20	9.31	12.47	11.5
UNII4	5855	80MHz	171	ax RU	26T	36	Average	8.87	9.21	12.05	11.5
UNII4	5855	80MHz	171	ax RU	52T	37	Average	12.61	12.65	15.85	15
UNII4	5855	80MHz	171	ax RU	52T	44	Average	11.93	12.49	15.23	15
UNII4	5855	80MHz	171	ax RU	52T	52	Average	11.83	12.47	15.17	15
UNII4	5855	80MHz	171	ax RU	106T	53	Average	14.74	14.70	17.93	17
UNII4	5855	80MHz	171	ax RU	106T	56	Average	13.95	14.36	17.17	17
UNII4	5855	80MHz	171	ax RU	106T	60	Average	13.80	14.42	17.13	17
UNII4	5855	80MHz	171	ax RU	242T	61	Average	14.88	15.15	18.03	17.5
UNII4	5855	80MHz	171	ax RU	242T	62	Average	14.97	15.42	18.21	17.5
UNII4	5855	80MHz	171	ax RU	242T	64	Average	15.08	15.12	18.37	17.5
UNII4	5855	80MHz	171	ax RU	484T	65	Average	14.46	14.87	17.68	17.5
UNII4	5855	80MHz	171	ax RU	484T	66	Average	14.62	15.16	17.91	17.5
UNII4	5855	80MHz	171	ax RU	996T	67	Average	15.18	15.24	18.43	17.5

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Band	Frequency	Bandwidth	Channel	Mode	Tone	RU index	Detector	Ant1 Power [dBm]	Ant2 Power [dBm]	MIMO Power [dBm]	Target [dBm]
UNII3&4	5775	L160MHz	155	ax RU	26T	0	Average	9.77	9.07	12.44	12
UNII3&4	5775	L160MHz	155	ax RU	26T	18	Average	9.67	9.87	12.98	12
UNII3&4	5775	L160MHz	155	ax RU	26T	36	Average	9.47	9.23	12.36	12
UNII3&4	5775	L160MHz	155	ax RU	52T	37	Average	12.93	12.68	15.82	15
UNII3&4	5775	L160MHz	155	ax RU	52T	44	Average	12.61	12.92	15.98	15
UNII3&4	5775	L160MHz	155	ax RU	52T	52	Average	12.03	12.25	15.15	15
UNII3&4	5775	L160MHz	155	ax RU	106T	53	Average	14.47	14.26	17.38	17
UNII3&4	5775	L160MHz	155	ax RU	106T	56	Average	14.86	14.74	17.81	17
UNII3&4	5775	L160MHz	155	ax RU	106T	60	Average	14.86	14.92	17.90	17
UNII3&4	5775	L160MHz	155	ax RU	242T	61	Average	14.94	14.68	17.82	17.5
UNII3&4	5775	L160MHz	155	ax RU	242T	62	Average	15.35	15.05	18.21	17.5
UNII3&4	5775	L160MHz	155	ax RU	242T	64	Average	15.08	15.15	18.13	17.5
UNII3&4	5775	L160MHz	155	ax RU	484T	65	Average	14.76	14.66	17.72	17.5
UNII3&4	5775	L160MHz	155	ax RU	484T	66	Average	15.06	15.09	18.09	17.5
UNII3&4	5775	L160MHz	155	ax RU	996T	67	Average	15.44	15.31	18.39	17.5
UNII3&4	5855	H160MHz	171	ax RU	26T	0	Average	9.38	9.50	12.45	12
UNII3&4	5855	H160MHz	171	ax RU	26T	18	Average	9.81	9.61	12.92	12
UNII3&4	5855	H160MHz	171	ax RU	26T	36	Average	9.33	9.98	12.68	12
UNII3&4	5855	H160MHz	171	ax RU	52T	37	Average	12.19	12.40	15.31	15
UNII3&4	5855	H160MHz	171	ax RU	52T	44	Average	12.05	12.30	15.19	15
UNII3&4	5855	H160MHz	171	ax RU	52T	52	Average	12.08	12.46	15.28	15
UNII3&4	5855	H160MHz	171	ax RU	106T	53	Average	14.03	14.27	17.16	17
UNII3&4	5855	H160MHz	171	ax RU	106T	56	Average	14.02	14.25	17.15	17
UNII3&4	5855	H160MHz	171	ax RU	106T	60	Average	13.89	14.38	17.15	17
UNII3&4	5855	H160MHz	171	ax RU	242T	61	Average	15.06	15.25	18.16	17.5
UNII3&4	5855	H160MHz	171	ax RU	242T	62	Average	15.40	15.15	18.49	17.5
UNII3&4	5855	H160MHz	171	ax RU	242T	64	Average	15.23	15.15	18.40	17.5
UNII3&4	5855	H160MHz	171	ax RU	484T	65	Average	15.16	15.36	18.27	17.5
UNII3&4	5855	H160MHz	171	ax RU	484T	66	Average	15.26	15.40	18.34	17.5
UNII3&4	5855	H160MHz	171	ax RU	996T	67	Average	15.21	15.38	18.31	17.5

<b>FCC ID</b> A3LSMS908JPN	 <b>PCTEST</b> <small>Proud to be part of  Samsung</small>	<b>SAR EVALUATION REPORT</b>		<b>Approved by:</b> Quality Manager
<b>Test Dates:</b> 12/21/21 – 01/17/22	<b>DUT Type:</b> Portable Handset		APPENDIX J: Page 11 of 16	

**Table J-6**  
**Maximum 6 GHz 802.11ax RU Output Power – MIMO**

20MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)											
					RU Index: 0			RU Index: 4			RU Index: 8					
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO			
5	5935	2	26T	0.33	0.96	3.67	0.71	0.89	3.81	0.35	0.71	3.54				
				6175	45	26T	0.55	0.86	3.72	0.66	0.96	3.82	0.02	0.51	3.28	
				6415	93	26T	0.30	0.92	3.63	0.47	0.91	3.71	0.12	0.90	3.54	
	6	6435	97	26T	0.71	0.31	3.52	0.68	0.56	3.63	0.61	0.68	3.65			
					6475	105	26T	0.81	0.67	3.75	0.91	0.95	3.94	0.56	0.70	3.64
					6515	113	26T	0.88	0.37	3.64	0.78	0.61	3.71	0.99	0.37	3.70
	7	6535	117	26T	0.44	0.32	3.39	0.82	0.78	3.81	0.31	0.33	3.33			
					6695	149	26T	1.00	0.53	3.78	0.68	0.29	3.50	0.96	0.08	3.55
					6875	185	26T	0.47	0.95	3.73	0.67	0.96	3.83	0.52	0.79	3.67
8	6895	189	26T	-0.48	0.98	3.32	-0.65	0.97	3.24	-0.27	0.96	3.40				
				6995	209	26T	-0.04	0.48	3.24	0.47	0.96	3.73	-0.17	0.54	3.21	
				7115	233	26T	0.95	0.71	3.84	0.89	0.78	3.85	0.94	0.32	3.65	

20MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)										
					RU Index: 37			RU Index: 39			RU Index: 40				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5	5935	2	52T	3.51	3.96	6.75	3.69	3.76	6.73	3.58	3.88	6.74			
				6175	45	52T	3.89	3.94	6.92	3.98	3.97	6.99	3.82	3.80	6.82
				6415	93	52T	3.18	3.98	6.61	3.07	3.92	6.52	3.34	3.98	6.68
6	6435	97	52T	3.79	3.54	6.67	4.00	3.77	6.90	3.78	3.53	6.67			
				6475	105	52T	3.78	3.46	6.63	3.93	3.51	6.74	3.92	3.66	6.80
				6515	113	52T	3.67	3.13	6.42	3.92	3.43	6.69	3.36	3.14	6.26
7	6535	117	52T	3.41	3.26	6.35	3.52	3.39	6.47	3.49	3.38	6.45			
				6695	149	52T	3.41	3.11	6.27	3.59	3.37	6.49	3.53	3.35	6.45
				6875	185	52T	3.89	3.71	6.81	3.65	3.83	6.75	3.89	3.71	6.81
8	6895	189	52T	3.07	3.95	6.54	3.05	3.91	6.51	2.75	3.94	6.40			
				6995	209	52T	2.95	3.70	6.35	3.16	3.78	6.49	2.81	3.49	6.17
				7115	233	52T	3.95	3.79	6.88	3.95	3.29	6.64	3.88	3.41	6.66

20MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)							
					RU Index: 53			RU Index: 54				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5	5935	2	106T	6.34	6.99	9.69	6.36	6.90	9.65			
				6175	45	106T	6.31	6.85	9.60	6.48	6.90	9.71
				6415	93	106T	6.09	6.97	9.56	5.96	6.94	9.49
6	6435	97	106T	6.61	6.38	9.51	6.81	6.39	9.62			
				6475	105	106T	6.84	6.77	9.81	6.68	6.67	9.68
				6515	113	106T	6.33	6.15	9.25	6.90	6.41	9.67
7	6535	117	106T	6.55	6.34	9.46	6.52	6.37	9.45			
				6695	149	106T	6.34	6.07	9.22	6.75	6.11	9.45
				6875	185	106T	6.93	6.68	9.82	6.88	6.71	9.81
8	6895	189	106T	6.12	7.00	9.59	6.01	7.00	9.54			
				6995	209	106T	6.08	6.98	9.56	6.03	6.81	9.45
				7115	233	106T	6.75	6.20	9.49	6.82	6.63	9.74

20MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)				
					RU Index: 61				
					ANT1	ANT2	MIMO		
5	5935	2	242T	9.84	9.88	12.87			
				6175	45	242T	9.45	9.30	12.39
				6415	93	242T	9.31	9.48	12.40
6	6435	97	242T	11.98	11.62	14.81			
				6475	105	242T	11.92	11.55	14.75
				6515	113	242T	11.90	11.61	14.77
7	6535	117	242T	11.85	11.51	14.69			
				6695	149	242T	11.84	11.55	14.71
				6875	185	242T	11.12	11.72	14.44
8	6895	189	242T	11.12	12.00	14.59			
				6995	209	242T	11.21	11.89	14.57
				7115	233	242T	11.22	11.21	14.22

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SAR EVALUATION REPORT



Approved by:  
Quality Manager

Test Dates:  
12/21/21 – 01/17/22

DUT Type:  
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40MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 0			RU Index: 8			RU Index: 17		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	5965	3	26T	0.62	0.83	3.74	0.65	0.94	3.81	0.96	0.83	3.91	
	6165	43	26T	0.87	0.78	3.83	0.72	0.82	3.78	0.92	0.68	3.82	
	6405	91	26T	0.53	0.87	3.71	0.34	1.00	3.69	0.59	0.98	3.80	
6	6445	99	26T	0.87	0.69	3.79	0.99	0.92	3.97	0.80	0.73	3.78	
	6485	107	26T	0.86	0.58	3.73	0.93	0.97	3.96	0.88	0.50	3.70	
	6525	115	26T	0.92	0.55	3.75	0.80	0.50	3.66	0.96	0.54	3.77	
7	6565	123	26T	0.91	0.58	3.76	0.95	0.68	3.82	0.92	0.68	3.81	
	6725	155	26T	0.48	0.17	3.34	0.96	0.68	3.83	0.79	0.38	3.60	
	6845	179	26T	0.15	0.55	3.37	0.59	1.00	3.81	0.78	0.95	3.87	
8	6885	187	26T	0.82	0.95	3.90	0.92	0.88	3.91	0.94	0.53	3.75	
	7005	211	26T	0.78	0.93	3.87	0.61	0.80	3.72	0.78	0.99	3.90	
	7085	227	26T	0.83	0.57	3.71	0.96	0.59	3.79	0.79	0.06	3.45	

40MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 37			RU Index: 40			RU Index: 44		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	5965	3	52T	3.69	3.95	6.83	3.53	3.99	6.78	3.74	3.90	6.83	
	6165	43	52T	3.62	3.57	6.61	3.72	3.88	6.81	3.81	3.85	6.84	
	6405	91	52T	3.46	4.00	6.75	3.46	3.92	6.71	2.82	3.83	6.36	
6	6445	99	52T	3.94	3.68	6.82	4.00	3.39	6.72	3.86	3.78	6.83	
	6485	107	52T	3.78	3.88	6.84	3.88	3.72	6.81	3.85	3.81	6.84	
	6525	115	52T	4.00	3.49	6.76	3.92	3.50	6.72	3.98	3.61	6.81	
7	6565	123	52T	3.94	3.64	6.80	3.96	3.38	6.69	3.91	3.58	6.76	
	6725	155	52T	3.45	3.26	6.37	3.99	3.97	6.99	3.59	3.14	6.38	
	6845	179	52T	3.07	3.31	6.20	3.53	3.94	6.75	3.87	3.79	6.84	
8	6885	187	52T	3.90	3.93	6.92	3.77	3.64	6.72	3.71	3.76	6.75	
	7005	211	52T	2.90	3.61	6.28	3.54	3.95	6.76	3.71	3.92	6.83	
	7085	227	52T	3.89	3.34	6.63	3.79	3.80	6.81	3.89	3.28	6.60	

40MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 53			RU Index: 54			RU Index: 56		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	5965	3	106T	5.98	6.35	9.18	6.68	6.94	9.82	6.27	6.64	9.47	
	6165	43	106T	5.83	6.49	9.19	6.83	7.00	9.93	6.07	6.51	9.30	
	6405	91	106T	5.67	6.88	9.33	6.14	7.00	9.60	5.57	6.93	9.31	
6	6445	99	106T	6.39	6.47	9.44	6.95	6.95	9.96	6.31	6.33	9.33	
	6485	107	106T	6.41	6.41	9.42	6.99	6.86	9.93	6.67	6.57	9.63	
	6525	115	106T	7.00	6.61	9.82	6.72	6.32	9.54	6.94	6.78	9.87	
7	6565	123	106T	6.94	6.92	9.94	6.92	6.32	9.64	6.23	6.20	9.23	
	6725	155	106T	6.88	6.35	9.63	6.88	6.78	9.84	6.82	6.35	9.60	
	6845	179	106T	6.18	6.57	9.39	6.65	6.95	9.81	6.19	6.54	9.38	
8	6885	187	106T	6.12	6.25	9.20	6.53	6.67	9.61	6.33	6.08	9.22	
	7005	211	106T	6.13	6.67	9.42	6.52	7.00	9.78	6.12	6.78	9.47	
	7085	227	106T	6.89	6.78	9.84	6.96	6.47	9.73	6.56	6.05	9.32	

40MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)					
					RU Index: 61			RU Index: 62		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	5965	3	242T	9.70	9.97	12.85	9.72	10.00	12.87	
	6165	43	242T	9.60	9.62	12.62	9.62	9.68	12.66	
	6405	91	242T	9.57	9.67	12.63	9.71	9.75	12.74	
6	6445	99	242T	11.94	11.58	14.77	11.87	11.57	14.73	
	6485	107	242T	11.99	11.52	14.77	11.96	11.57	14.78	
	6525	115	242T	11.95	11.51	14.75	11.97	11.56	14.78	
7	6565	123	242T	11.67	11.42	14.56	11.94	11.57	14.77	
	6725	155	242T	11.93	11.56	14.76	11.93	11.53	14.74	
	6845	179	242T	11.61	11.70	14.67	11.67	12.15	14.93	
8	6885	187	242T	11.46	11.78	14.63	11.75	11.96	14.87	
	7005	211	242T	11.45	11.92	14.70	11.61	11.91	14.77	
	7085	227	242T	11.46	11.78	14.63	11.75	11.70	14.73	

40MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)		
					RU Index: 65		
					ANT1	ANT2	MIMO
5	5965	3	484T	12.46	12.58	15.53	
	6165	43	484T	12.56	12.28	15.43	
	6405	91	484T	12.57	12.71	15.65	
6	6445	99	484T	12.95	12.15	15.58	
	6485	107	484T	13.00	12.15	15.60	
	6525	115	484T	12.81	12.08	15.47	
7	6565	123	484T	12.74	12.35	15.56	
	6725	155	484T	12.97	12.55	15.78	
	6845	179	484T	12.52	12.62	15.58	
8	6885	187	484T	12.60	12.46	15.54	
	7005	211	484T	12.15	12.49	15.33	
	7085	227	484T	12.07	12.20	15.15	

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80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 0			RU Index: 18			RU Index: 36		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	5985	7	26T	0.68	0.79	3.75	0.83	0.53	3.69	0.14	0.47	3.32	
	6145	39	26T	0.69	0.65	3.68	0.49	0.83	3.67	0.76	0.48	3.63	
	6385	87	26T	0.52	0.82	3.68	0.55	0.93	3.75	-0.15	0.59	3.25	
6	6465	103	26T	0.74	0.81	3.79	0.78	0.85	3.83	0.95	0.83	3.90	
	6545	119	26T	0.78	0.63	3.71	0.73	0.71	3.73	0.98	0.81	3.91	
7	6705	151	26T	0.87	0.64	3.77	0.86	0.53	3.71	0.79	0.28	3.55	
	6865	183	26T	0.72	0.78	3.76	0.47	0.57	3.53	0.64	0.40	3.53	
	6945	199	26T	-0.09	0.81	3.39	0.28	1.00	3.67	0.06	0.25	3.17	
8	7025	215	26T	0.00	0.61	3.33	0.77	0.71	3.75	0.61	0.44	3.54	

80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 37			RU Index: 44			RU Index: 52		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	5985	7	52T	3.68	3.74	6.72	3.80	3.74	6.78	3.02	3.84	6.46	
	6145	39	52T	3.77	3.68	6.74	3.57	3.26	6.43	3.82	3.68	6.76	
	6385	87	52T	3.62	3.92	6.78	3.31	3.90	6.63	3.32	4.00	6.68	
6	6465	103	52T	3.56	3.25	6.42	3.74	3.40	6.58	3.71	3.80	6.77	
	6545	119	52T	3.56	3.49	6.54	3.70	2.84	6.30	4.00	3.96	6.99	
7	6705	151	52T	3.88	3.06	6.50	3.70	3.44	6.58	3.73	3.63	6.69	
	6865	183	52T	3.77	3.88	6.83	3.18	3.05	6.13	3.77	3.15	6.48	
	6945	199	52T	2.87	3.95	6.45	3.21	3.88	6.57	3.08	3.51	6.31	
8	7025	215	52T	2.94	3.78	6.39	3.10	3.45	6.29	3.79	3.75	6.78	

80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 53			RU Index: 56			RU Index: 60		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	5985	7	106T	6.99	6.96	9.99	6.60	6.75	9.69	6.31	6.78	9.56	
	6145	39	106T	6.86	6.91	9.90	6.50	6.53	9.53	6.89	6.97	9.94	
	6385	87	106T	5.94	6.96	9.49	6.33	6.92	9.65	6.09	6.97	9.56	
6	6465	103	106T	6.25	6.33	9.30	6.53	6.36	9.46	6.38	4.44	8.53	
	6545	119	106T	6.24	6.05	9.16	6.47	6.63	9.56	6.28	6.18	9.24	
7	6705	151	106T	6.87	6.23	9.57	6.78	6.22	9.52	6.85	6.50	9.69	
	6865	183	106T	6.81	6.68	9.76	6.05	6.15	9.11	6.77	6.74	9.77	
	6945	199	106T	6.12	6.96	9.57	6.37	7.00	9.71	6.21	6.55	9.39	
8	7025	215	106T	6.43	6.84	9.65	6.41	6.37	9.40	6.69	6.82	9.77	




80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 61			RU Index: 62			RU Index: 64		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	5985	7	242T	9.60	9.61	12.62	9.63	9.78	12.72	9.39	9.51	12.46	
	6145	39	242T	9.62	9.66	12.65	9.68	9.65	12.68	9.42	9.40	12.42	
	6385	87	242T	9.34	9.38	12.37	9.81	9.50	12.67	9.42	9.41	12.42	
6	6465	103	242T	11.81	11.53	14.68	12.00	11.45	14.74	11.73	11.55	14.65	
	6545	119	242T	11.68	11.27	14.49	11.80	11.71	14.77	11.72	11.50	14.62	
7	6705	151	242T	11.75	11.41	14.59	11.90	11.62	14.77	11.83	11.44	14.65	
	6865	183	242T	11.18	11.92	14.58	11.71	11.88	14.81	11.28	11.54	14.42	
	6945	199	242T	11.29	12.00	14.67	11.41	12.00	14.73	11.41	11.81	14.62	
8	7025	215	242T	11.51	11.83	14.68	11.75	11.79	14.78	11.43	11.62	14.54	

80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)					
					RU Index: 65			RU Index: 66		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	5985	7	484T	12.42	12.46	15.45	12.71	12.79	15.76	
	6145	39	484T	12.54	12.23	15.40	12.57	12.25	15.42	
	6385	87	484T	12.55	12.58	15.58	12.78	12.85	15.83	
6	6465	103	484T	12.88	12.14	15.54	12.85	12.29	15.59	
	6545	119	484T	12.62	12.36	15.50	12.71	12.53	15.63	
7	6705	151	484T	12.87	12.51	15.70	12.84	12.52	15.69	
	6865	183	484T	12.35	12.47	15.42	12.24	12.26	15.26	
	6945	199	484T	12.07	13.00	15.57	12.13	12.87	15.53	
8	7025	215	484T	11.98	12.84	15.44	12.27	12.49	15.39	

80MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)		
					RU Index: 67		
					ANT1	ANT2	MIMO
5	5985	7	996T	12.75	12.78	15.78	
	6145	39	996T	12.67	12.41	15.55	
	6385	87	996T	12.96	12.87	15.93	
6	6465	103	996T	12.81	12.12	15.49	
	6545	119	996T	12.52	11.88	15.22	
7	6705	151	996T	12.62	12.04	15.35	
	6865	183	996T	12.55	12.65	15.61	
	6945	199	996T	11.58	13.00	15.36	
8	7025	215	996T	11.62	12.67	15.19	

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**Table J-7**  
**Maximum 6 GHz 802.11ax RU Lower Block Output Power – MIMO**

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)										
					RU Index: 0			RU Index: 18			RU Index: 36				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5	6025	15	26T	0.04	0.67	3.38	0.51	0.66	3.60	0.20	0.57	3.40			
				6185	47	26T	0.25	0.24	3.25	0.34	0.16	3.26	0.31	0.09	3.21
				6345	79	26T	0.64	1.00	3.83	0.65	0.83	3.75	0.84	1.00	3.93
	6	6505	111	26T	0.21	0.22	3.23	0.62	0.04	3.35	0.56	0.03	3.31		
					6665	143	26T	0.49	-0.14	3.19	0.84	0.73	3.80	0.59	-0.08
	7	6825	175	26T	0.52	1.00	3.78	0.05	0.76	3.43	0.80	0.75	3.79		
					6985	207	26T	-0.18	0.90	3.40	0.23	0.76	3.51	0.67	0.86

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)										
					RU Index: 37			RU Index: 44			RU Index: 52				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5	6025	15	52T	3.32	3.64	6.49	3.35	3.45	6.41	3.37	3.26	6.33			
				6185	47	52T	3.65	3.85	6.76	3.83	3.71	6.78	3.66	3.73	6.71
				6345	79	52T	3.61	3.91	6.77	3.04	3.86	6.48	3.62	3.71	6.68
6	6505	111	52T	3.61	3.94	6.79	3.46	3.08	6.28	3.61	3.70	6.67			
				6665	143	52T	3.69	3.29	6.51	3.57	2.97	6.29	3.79	2.71	6.30
7	6825	175	52T	3.32	3.96	6.66	3.69	3.78	6.75	3.81	3.83	6.83			
				6985	207	52T	2.87	3.91	6.43	3.41	3.94	6.69	3.55	3.94	6.76

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)										
					RU Index: 53			RU Index: 56			RU Index: 60				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5	6025	15	106T	6.07	6.60	9.35	6.07	6.41	9.25	6.13	6.51	9.33			
				6185	47	106T	6.83	6.72	9.79	6.61	6.86	9.75	6.63	6.85	9.75
				6345	79	106T	6.65	6.81	9.74	6.73	6.81	9.78	6.25	6.87	9.58
6	6505	111	106T	6.64	6.92	9.79	6.86	6.77	9.83	6.92	6.69	9.82			
				6665	143	106T	6.82	6.73	9.79	6.63	6.60	9.63	6.97	6.89	9.94
7	6825	175	106T	6.42	6.85	9.65	6.50	7.00	9.77	6.82	6.72	9.78			
				6985	207	106T	6.39	7.00	9.72	6.46	6.98	9.74	6.61	6.62	9.63



160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)										
					RU Index: 61			RU Index: 62			RU Index: 64				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5	6025	15	242T	9.89	9.99	12.95	9.25	9.18	12.22	9.73	9.64	12.69			
				6185	47	242T	9.92	9.44	12.70	9.67	9.87	12.78	9.72	9.42	12.58
				6345	79	242T	9.75	9.64	12.70	9.98	9.83	12.91	9.79	9.82	12.81
6	6505	111	242T	11.83	11.56	14.71	12.00	11.35	14.70	11.83	11.56	14.71			
				6665	143	242T	11.87	11.46	14.68	11.31	10.72	14.03	11.74	11.36	14.56
7	6825	175	242T	11.07	11.93	14.53	11.71	11.80	14.77	11.35	11.72	14.55			
				6985	207	242T	11.03	11.84	14.46	11.31	12.00	14.68	11.06	11.94	14.53

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)							
					RU Index: 65			RU Index: 66				
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO		
5	6025	15	484T	12.40	12.57	15.50	12.71	12.90	15.82			
				6185	47	484T	12.49	12.28	15.40	12.65	12.45	15.56
				6345	79	484T	12.82	12.70	15.77	12.95	12.96	15.97
6	6505	111	484T	13.24	12.27	15.79	13.49	12.39	15.99			
				6665	143	484T	13.32	12.56	15.96	12.63	12.09	15.38
7	6825	175	484T	12.26	12.91	15.61	12.75	13.14	15.96			
				6985	211	484T	11.78	13.31	15.62	12.03	13.23	15.68



  

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)				
					RU Index: 67				
					ANT1	ANT2	MIMO		
5	6025	15	996T	12.45	12.18	15.33			
				6185	47	996T	12.80	12.51	15.67
				6345	79	996T	12.65	12.91	15.79
6	6505	111	996T	12.72	12.41	15.58			
				6665	143	996T	12.81	12.20	15.52
7	6825	175	996T	11.97	12.80	15.41			
				6985	207	996T	11.56	12.93	15.31

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**Table J-8**  
**Maximum 6 GHz 802.11ax RU Upper Block Output Power – MIMO**

160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 0			RU Index: 18			RU Index: 36		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	6025	15	26T	0.17	0.52	3.36	0.38	0.44	3.42	0.48	0.48	3.49	
	6185	47	26T	0.23	0.09	3.17	0.25	0.52	3.39	0.32	0.06	3.20	
	6345	79	26T	0.78	0.77	3.79	-0.17	0.71	3.30	-0.11	0.88	3.42	
	6505	111	26T	0.75	0.32	3.55	0.85	0.13	3.51	0.59	0.26	3.44	
	6665	143	26T	0.66	-0.02	3.34	1.00	0.48	3.76	0.57	0.07	3.33	
	6825	175	26T	0.17	0.34	3.27	0.75	0.18	3.48	0.83	0.82	3.83	
6985	207	26T	0.73	0.96	3.86	0.69	0.86	3.79	0.61	0.66	3.65		
160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 37			RU Index: 44			RU Index: 52		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	6025	15	52T	3.64	3.47	6.57	3.08	3.51	6.31	3.67	3.89	6.79	
	6185	47	52T	3.97	3.72	6.86	3.89	3.51	6.71	3.72	3.77	6.75	
	6345	79	52T	3.17	3.89	6.56	3.33	4.00	6.69	2.96	3.69	6.35	
6	6505	111	52T	3.58	3.03	6.32	3.34	2.97	6.17	3.18	3.29	6.25	
7	6665	143	52T	3.55	2.86	6.23	3.76	2.56	6.21	3.79	3.15	6.49	
	6825	175	52T	3.65	3.95	6.82	3.88	3.71	6.81	3.80	3.82	6.82	
6985	207	52T	3.46	3.49	6.48	3.68	3.87	6.79	3.55	3.61	6.59		
160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 53			RU Index: 56			RU Index: 60		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	6025	15	106T	6.34	6.87	9.62	6.53	6.45	9.50	5.97	6.43	9.22	
	6185	47	106T	6.86	6.67	9.78	6.96	6.87	9.93	6.85	6.75	9.81	
	6345	79	106T	6.56	6.96	9.77	6.24	7.00	9.65	6.50	7.00	9.77	
6	6505	111	106T	6.79	6.67	9.74	6.92	6.84	9.89	6.69	6.85	9.78	
7	6665	143	106T	6.73	6.67	9.71	6.88	6.56	9.73	6.89	6.43	9.68	
	6825	175	106T	6.75	6.92	9.84	6.78	6.60	9.70	6.53	6.68	9.61	
6985	207	106T	6.77	6.95	9.87	6.78	6.64	9.72	6.73	6.76	9.76		
160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 61			RU Index: 62			RU Index: 64		
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO	ANT1	ANT2	MIMO
5	6025	15	242T	9.68	9.54	12.62	9.64	9.63	12.64	9.63	9.61	12.63	
	6185	47	242T	9.70	9.39	12.56	9.57	9.32	12.46	9.86	9.58	12.73	
	6345	79	242T	9.73	9.79	12.77	9.64	9.92	12.79	9.95	10.00	12.99	
6	6505	111	242T	11.63	11.48	14.57	11.99	11.51	14.77	11.81	11.60	14.72	
7	6665	143	242T	11.82	11.27	14.56	11.89	11.65	14.78	12.00	11.40	14.72	
	6825	175	242T	11.32	11.67	14.51	11.43	11.61	14.53	11.21	11.33	14.28	
6985	207	242T	11.30	11.86	14.60	11.46	11.79	14.64	11.25	11.72	14.50		
160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 65			RU Index: 66					
					ANT1	ANT2	MIMO	ANT1	ANT2	MIMO			
5	6025	15	484T	12.68	12.80	15.75	12.70	12.67	15.70				
	6185	47	484T	12.73	12.37	15.56	12.63	12.33	15.49				
	6345	79	484T	12.71	12.85	15.79	12.91	12.93	15.93				
6	6505	111	484T	13.00	12.47	15.75	13.00	12.42	15.73				
7	6665	143	484T	12.61	11.90	15.28	12.78	11.91	15.38				
	6825	175	484T	12.37	12.55	15.47	12.37	12.31	15.35				
6985	207	484T	12.33	12.89	15.63	12.15	12.78	15.49					
160MHz BW	Band	Freq [MHz]	Channel	Tones	Average Conducted Power (dBm)								
					RU Index: 67								
					ANT1	ANT2	MIMO						
5	6025	15	996T	12.66	12.69	15.69							
	6185	47	996T	12.65	12.22	15.45							
	6345	79	996T	12.63	12.57	15.61							
6	6505	111	996T	13.00	12.52	15.78							
7	6665	143	996T	12.71	11.82	15.30							
	6825	175	996T	12.39	12.72	15.57							
6985	207	996T	12.23	13.00	15.64								

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