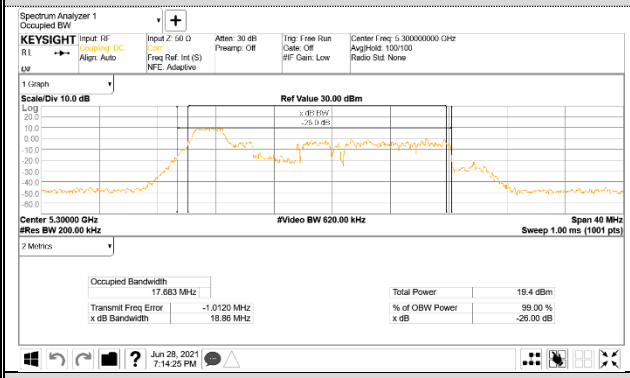
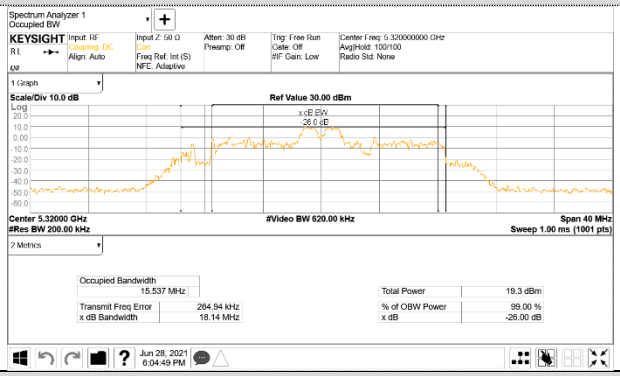
9.2.6. WORST CASE TEST PLOT_802.11ax 5.3 GHz BAND

Band	UNII-2A
Mode	HE20

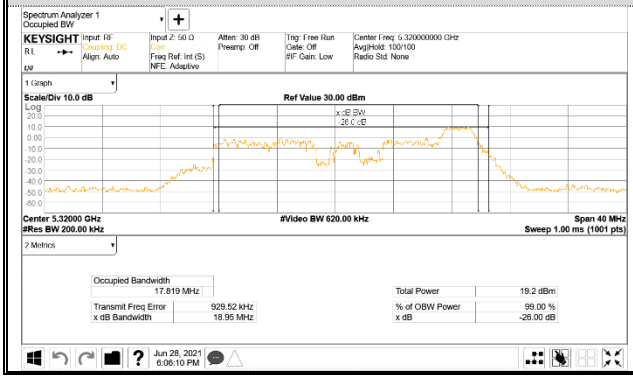
ANT2 / 5300 MHz / 26T / 0RU



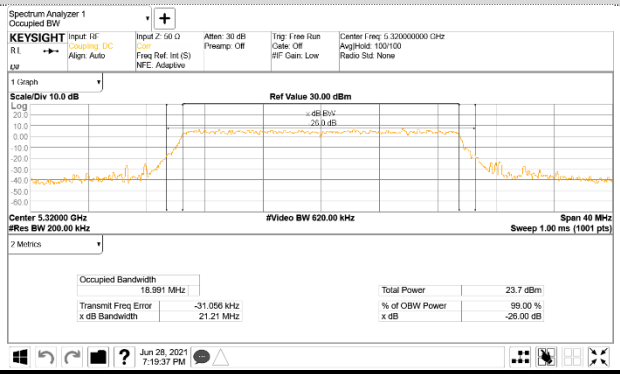
ANT1 / 5320 MHz / 26T / 4RU



ANT1 / 5320 MHz / 26T / 8RU

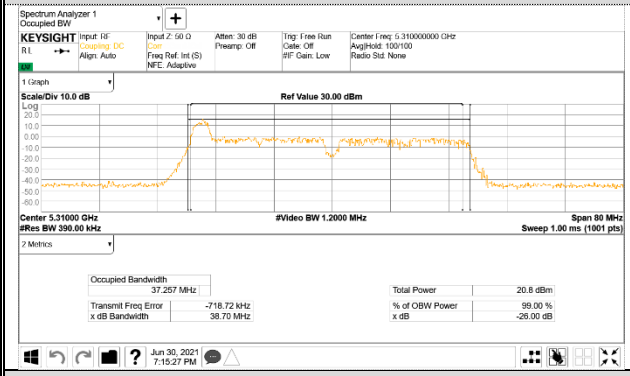


ANT2 / 5320 MHz / SU

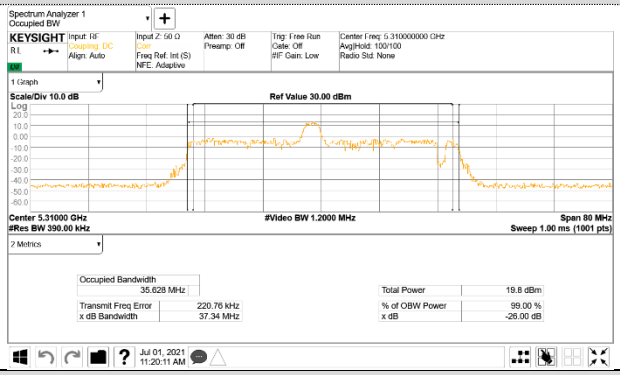


Band	UNII-2A
Mode	HE40

ANT2 / 5310 MHz / 26T / 0RU

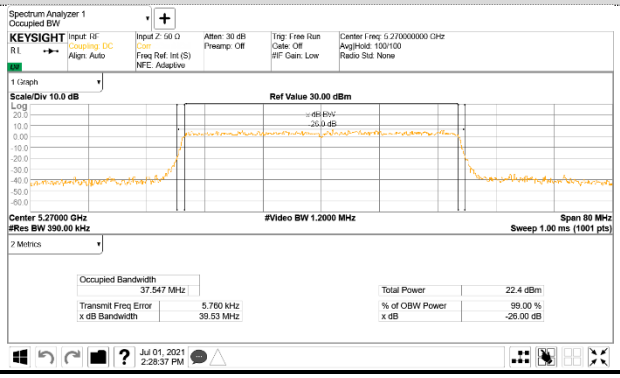


ANT3 / 5310 MHz / 26T / 9RU



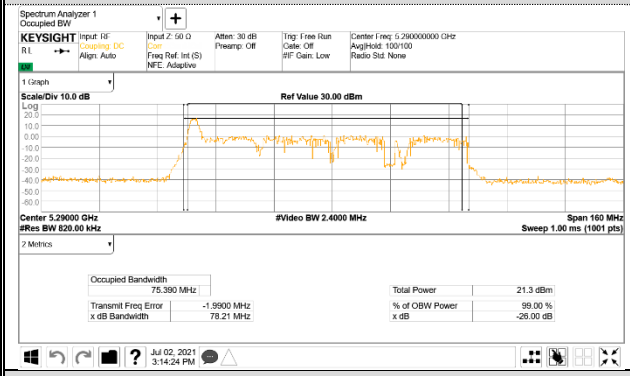
ANT1 / 5270 MHz / 26T / 17RU

ANT3 / 5270 MHz / SU

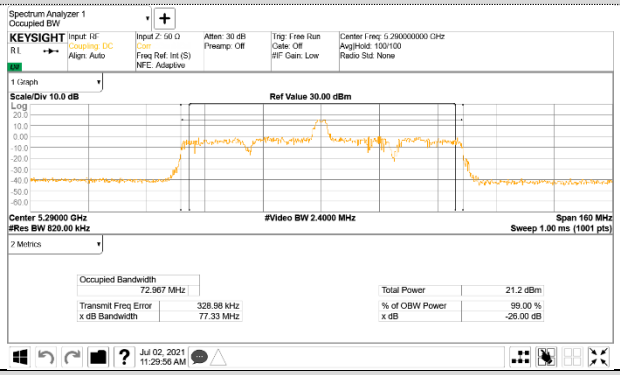


Band	UNII-2A
Mode	HE80

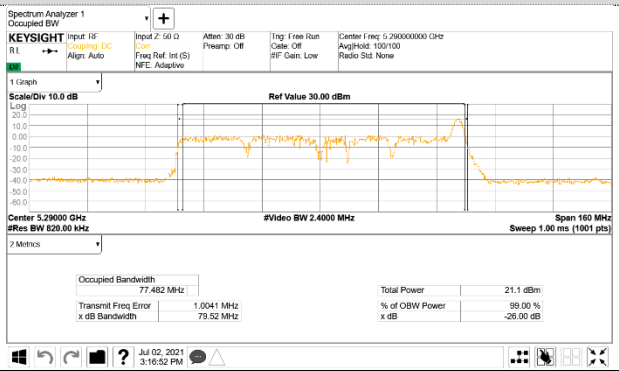
ANT4 / 5290 MHz / 26T / 0RU



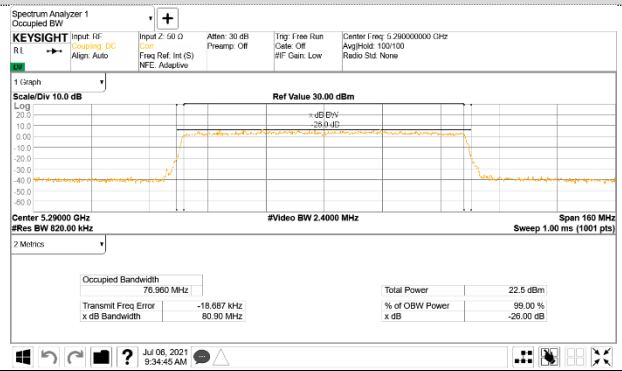
ANT1 / 5290 MHz / 26T / 18RU



ANT4 / 5290 MHz / 26T / 36RU



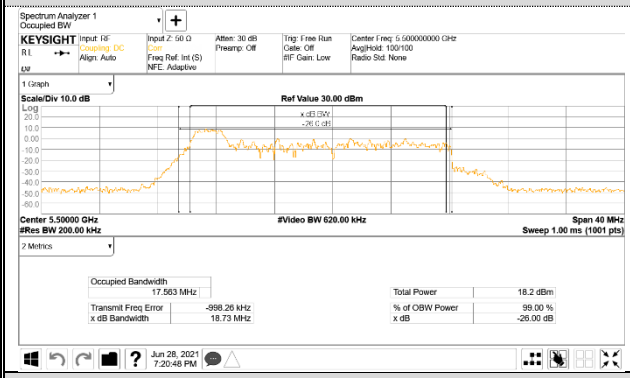
ANT1 / 5290 MHz / SU



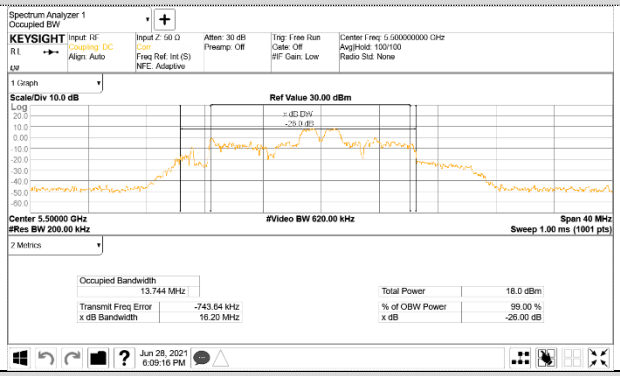
9.2.7. WORST CASE TEST PLOT_802.11ax 5.5 GHz BAND

Band	UNII-2C
Mode	HE20

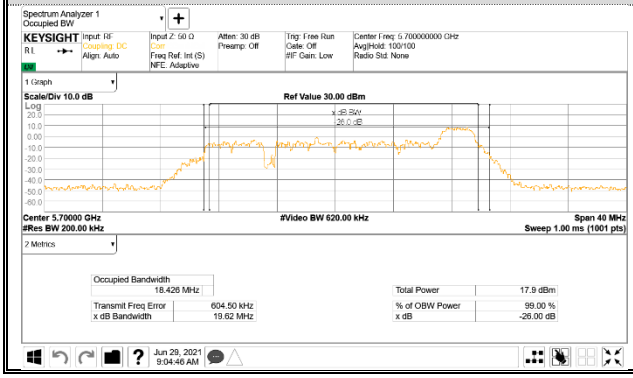
ANT2 / 5500 MHz / 26T / 0RU



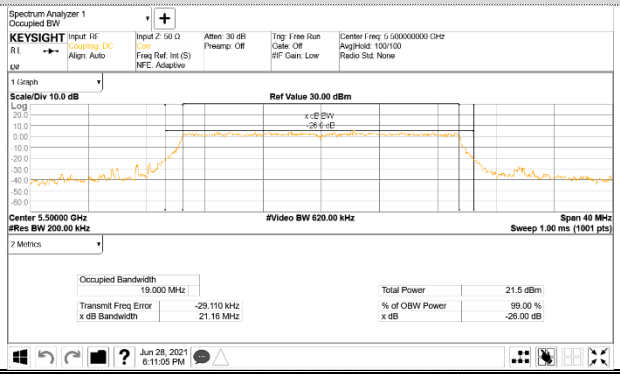
ANT1 / 5500 MHz / 26T / 4RU



ANT3 / 5700 MHz / 26T / 8RU

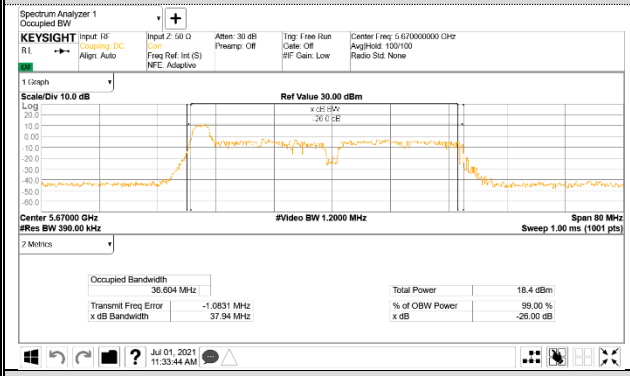


ANT1 / 5500 MHz / SU

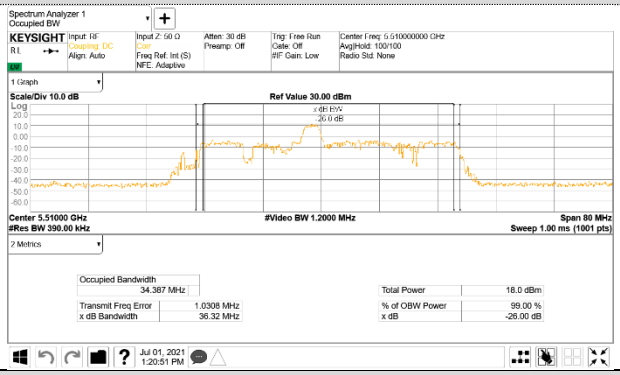


Band	UNII-2C
Mode	HE40

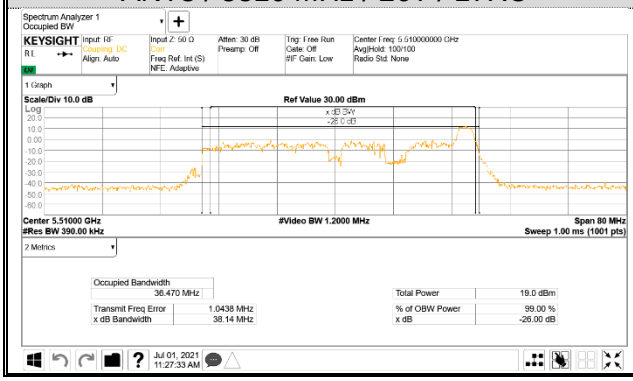
ANT3 / 5670 MHz / 26T / 0RU



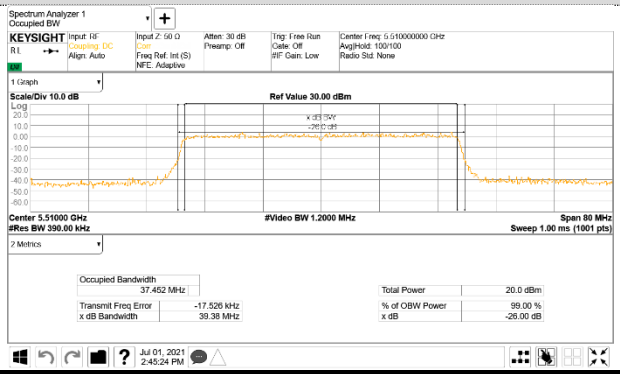
ANT4 / 5510 MHz / 26T / 9RU



ANT3 / 5510 MHz / 26T / 17RU

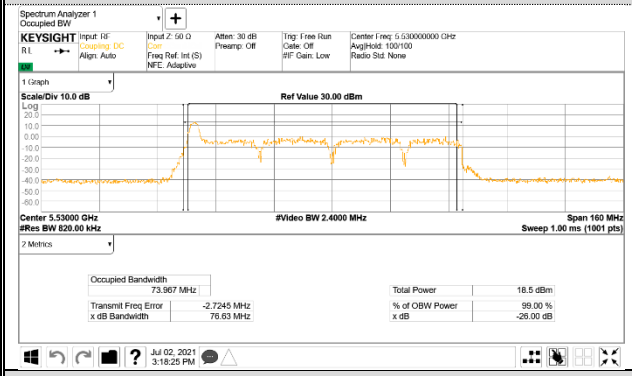


ANT4 / 5510 MHz / SU

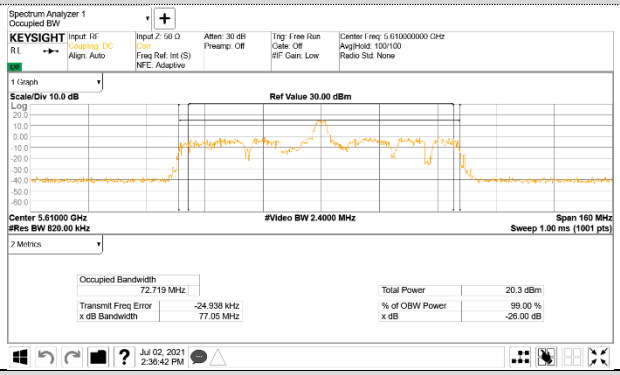


Band	UNII-2C
Mode	HE80

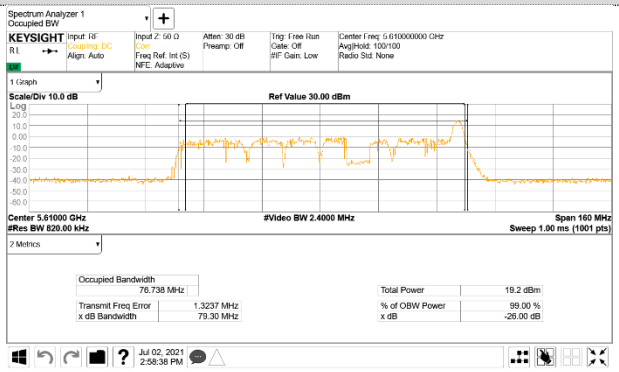
ANT4 / 5530 MHz / 26T / 0RU



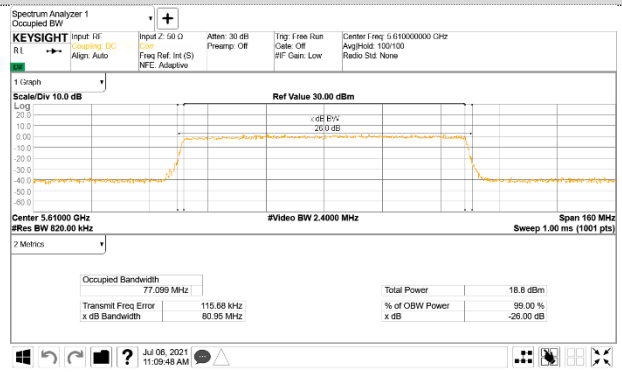
ANT2 / 5610 MHz / 26T / 18RU



ANT3 / 5610 MHz / 26T / 36RU

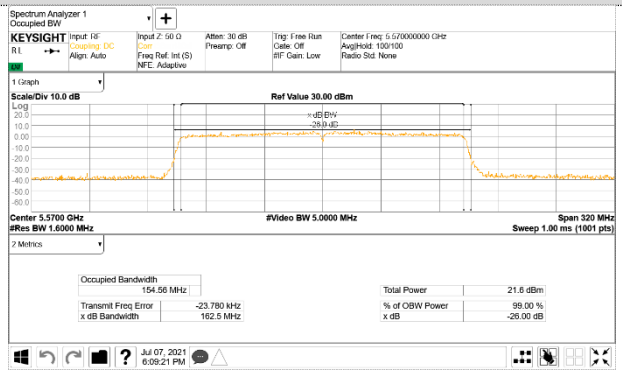


ANT4 / 5610 MHz / SU



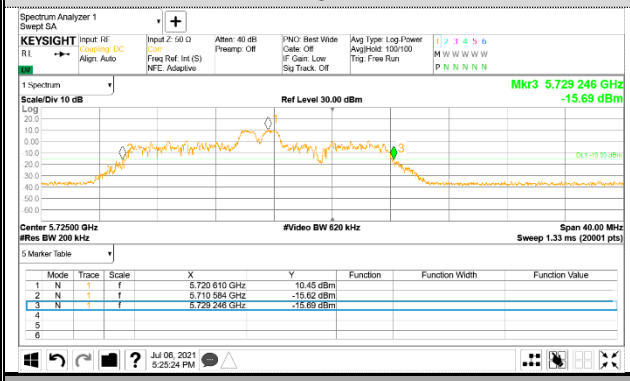
Band	UNII-2C
Mode	HE160

ANT3 / 5570 MHz / SU

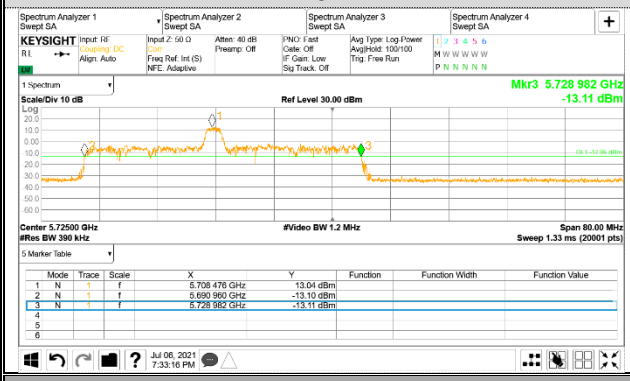


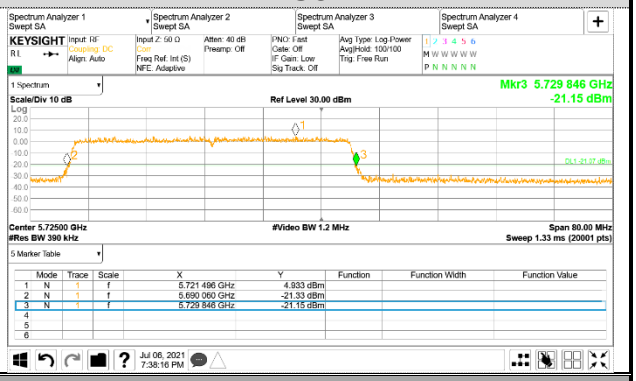
9.2.8. WORST CASE TEST PLOT_802.11ax STRADDLE CHANNEL

Band	UNII-2C & 3 (Straddle)	
Mode	HE20	
Frequency	5720 MHz	
	26T	SU

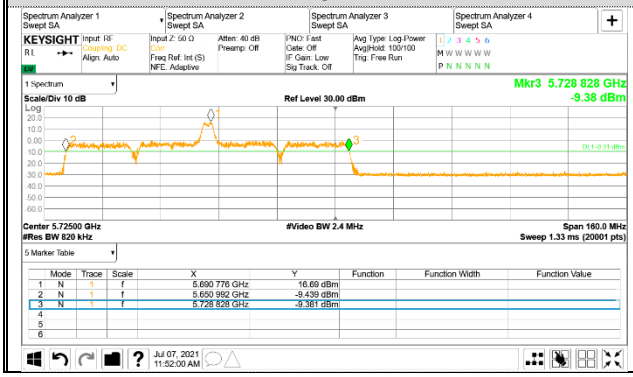


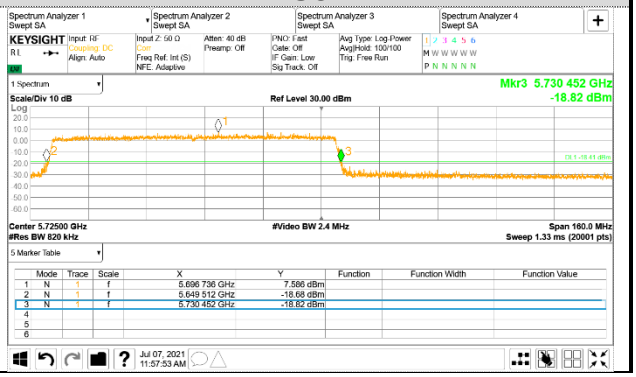
Band	UNII-2C & 3 (Straddle)	
Mode	HE40	
Frequency	5710 MHz	
	26T	SU





Band	UNII-2C & 3 (Straddle)	
Mode	HE80	
Frequency	5690 MHz	
	26T	SU





10. ANTENNA PORT TEST RESULTS

10.1. 6 dB BANDWIDTH

LIMITS

FCC §15.407

The minimum 6 dB bandwidth shall be at least 500 kHz.

TEST PROCEDURE

Reference to 789033 D02 General UNII Test Procedures New Rules v02r01: The transmitter output is connected to a spectrum analyzer with the RBW set to100 kHz, the VBW >= 3 x RBW, peak detector and max hold.

RESULTS

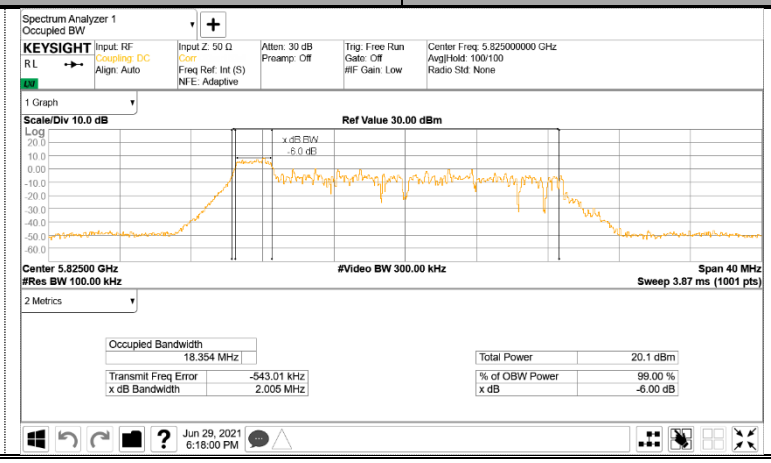
See the next page.

10.1.1. 802.11ax 5.8 GHz BAND

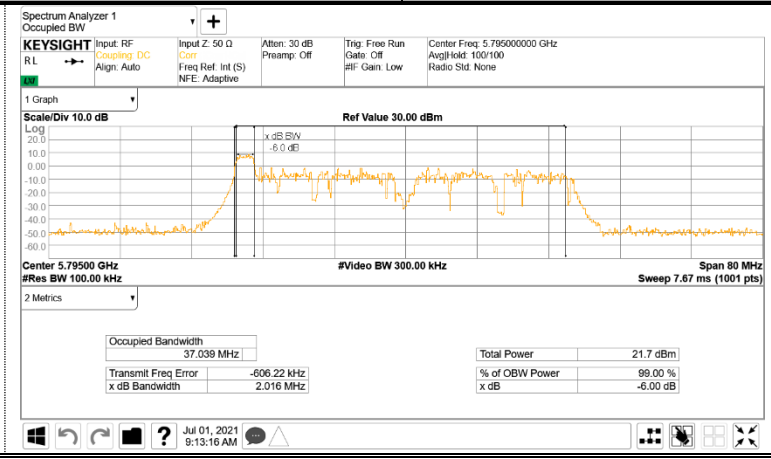
Band	Mode	Center Freq.(MHz)	Tones	RU offset	6 dB BW [MHz]				Minimum Limit (MHz)
					ANT1	ANT2	ANT3	ANT4	
UNII-3	HE20	5745	26T	0	2.048	2.142	2.136	2.167	0.5
		5785			2.148	2.020	2.043	2.231	
		5825			2.093	2.156	2.005	2.201	
		Minimum 6dB Bandwidth			2.048	2.020	2.005	2.167	
	HE40	5755	26T	0	2.107	2.102	2.023	2.131	
		5795			2.154	2.016	2.052	2.116	
		Minimum 6dB Bandwidth			2.107	2.016	2.023	2.116	
	HE80	5775	26T	0	2.258	2.183	2.244	2.204	
		Minimum 6dB Bandwidth			2.258	2.183	2.244	2.204	

10.1.2. WORST CASE TEST PLOT_802.11ax 5.8 GHz BAND

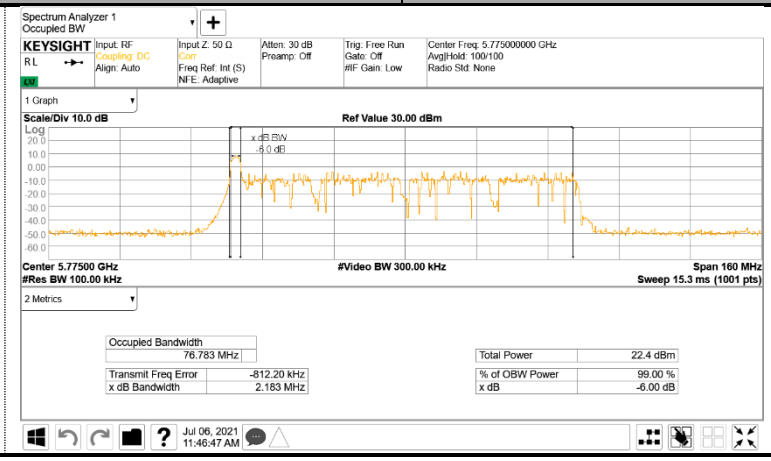
Band	UNII-3
Mode	HE20



Band	UNII-3
Mode	HE40



Band	UNII-3
Mode	HE80



10.2. OUTPUT POWER AND PPSD

LIMITS

FCC §15.407 (a) (1) (2) (3)

FCC

For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.
For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band.

TEST PROCEDURE

KDB 789033 Method PM is used for output power.

KDB 789033 Method SA-2 is used for only power of straddle Ch. and PPSD. RBW set to 100kHz (the VBW >= 3 x RBW, RMS detector and trace averaging, add 10 log (1 MHz/RBW). For UNII-3, add 10 log (500kHz/RBW)). Band power function used for power and peak marker value of the spectrum is used for PSD. Add duty cycle correction factor.

DIRECTIONAL ANTENNA GAIN

For OUTPUT POWER and PSD: The TX chains are correlated and the antenna gains are unequal among the chains. The directional gain is:

Frequency Band [MHz]	ANT1 Gain [dBi]	ANT2 Gain [dBi]	ANT3 Gain [dBi]	ANT4 Gain [dBi]	Directional Gain for Output Power [dBi]	Directional Gain for PSD [dBi]
UNII 1 5150 - 5250	1.98	1.98	1.98	1.98	1.98	8.00
UNII 2A 5250 - 5350	1.97	1.97	1.97	1.97	1.97	7.99
UNII 2C 5470 - 5725	1.94	1.94	1.94	1.94	1.94	7.96
UNII 3 5725 - 5850	1.86	1.86	1.86	1.86	1.86	7.88

RESULTS

See the next page.

10.2.1. 802.11ax 1Tx (SISO) MODE 5.2 GHz BAND

Bandwidth and Antenna Gain, Limits

Mode	Channel	Frequency [MHz]	Directional Gain [dBi]	Power Limit [dBm]	PPSD Limit [dBm/MHz]
HE20	36	5180	1.98	23.48	11
	40	5200		23.44	
	48	5240		23.49	
HE40	38	5190		23.98	
	46	5230		23.98	
HE80	42	5210		23.98	
HE160	50	5250		23.98	

Included in Calculations of Corr'd [Power & PPSD]				
Duty Cycle CF [dB]	HE20	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		SU	-	dB
	HE40	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		SU	-	dB
	HE80	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		SU	-	dB
	HE160	26T	-	dB
		52T		dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		996T + 996T	-	dB
		SU	-	dB

Output Power Results

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4	
HE20	36	5180	26T	0	12.40	12.40	12.43	12.81	23.48
				4	13.15	12.82	12.91	13.16	
				8	12.89	12.22	12.40	12.80	
			52T	37	15.05	14.55	14.50	15.27	
				38	15.50	14.97	14.79	15.56	
				40	15.57	14.46	14.49	15.37	
			106T	53	17.40	17.61	16.93	17.09	
				54	17.36	17.63	16.86	17.01	
			242T	61	18.32	18.43	18.01	17.29	
			SU	-	18.54	18.73	18.88	17.57	
	40	5200	26T	0	12.78	12.21	12.07	12.75	23.44
				4	13.42	12.52	12.73	13.40	
				8	12.98	12.10	12.38	13.16	
			52T	37	14.94	14.43	14.15	14.78	
				38	15.27	14.63	14.59	15.26	
				40	14.94	14.23	14.48	15.20	
			106T	53	17.59	17.53	16.57	17.36	
				54	17.71	17.58	16.85	17.45	
			242T	61	18.50	18.41	17.85	17.46	
			SU	-	19.67	19.45	18.67	19.69	
	48	5240	26T	0	12.48	12.36	12.49	12.53	23.49
				4	12.96	12.85	13.01	13.13	
				8	12.44	12.35	12.54	12.77	
			52T	37	15.00	14.51	14.41	14.91	
				38	15.34	14.86	14.82	15.39	
				40	15.02	14.49	14.60	15.17	
			106T	53	17.44	17.73	17.07	17.45	
				54	17.48	17.76	17.02	17.61	
			242T	61	18.46	18.42	18.08	17.27	
			SU	-	19.62	19.76	19.03	19.41	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4	
HE40	38	5190	26T	0	11.58	11.99	11.90	12.08	23.98
				9	13.13	12.88	12.88	13.09	
				17	12.15	11.59	12.19	12.50	
			52T	37	15.22	14.66	14.50	14.66	
				41	15.58	14.78	15.28	14.56	
				44	15.20	14.18	14.84	14.67	
			106T	53	16.44	14.61	14.72	13.99	
				54	16.62	14.58	15.22	14.02	
				56	16.50	14.54	15.03	13.96	
			242T	61	16.48	14.57	14.92	14.01	
				62	16.52	14.35	15.26	13.98	
			484T	65	17.38	14.34	16.03	14.00	
			SU	-	17.40	14.49	16.04	14.20	
	46	5230	26T	0	11.72	11.31	11.72	11.55	23.98
				9	12.61	12.13	13.07	12.81	
				17	11.68	11.23	12.28	12.10	
			52T	37	15.00	15.05	14.22	15.30	
				41	15.70	15.09	15.39	15.45	
				44	15.15	15.39	14.71	15.95	
			106T	53	16.35	16.29	15.49	16.61	
				54	16.28	16.52	16.32	16.51	
				56	16.36	16.33	16.07	16.59	
			242T	61	17.63	17.29	17.02	17.52	
				62	17.62	17.38	17.25	17.62	
			484T	65	18.24	18.15	18.15	18.22	
			SU	-	18.36	18.47	18.18	18.59	
HE80	42	5210	26T	0	12.28	12.92	12.19	12.51	23.98
				18	13.16	13.25	13.05	13.33	
				36	12.60	12.11	12.02	12.55	
			52T	37	14.85	14.09	15.43	13.30	
				45	15.62	14.55	15.17	13.89	
				52	15.25	14.38	15.22	13.26	
			106T	53	15.45	14.40	15.60	13.16	
				57	15.49	14.55	15.27	13.45	
				60	15.36	14.22	15.34	13.25	
			242T	61	15.37	14.15	15.78	13.39	
				62	15.70	14.54	15.04	13.29	
				64	15.03	14.18	15.66	13.66	
			484T	65	15.69	14.35	15.33	13.33	
				66	15.30	14.25	15.95	13.46	
			996T	67	16.05	14.15	16.63	13.21	
			SU	-	16.25	14.28	16.67	13.61	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4	
HE 160	50	5250	26T	0	13.21	12.83	12.66	13.23	23.98
				37	13.40	12.91	12.99	13.43	
				73	13.18	12.65	12.70	13.47	
			52T	74	14.25	13.55	13.36	13.45	
				89	14.58	13.36	13.54	13.42	
				105	14.41	13.51	13.49	13.17	
			106T	106	14.53	13.38	13.35	13.35	
				113	14.49	13.29	13.38	13.29	
				121	14.59	13.32	13.59	13.44	
			242T	122	15.27	13.43	13.41	13.26	
				125	15.36	13.36	13.39	13.20	
				129	15.16	13.35	13.37	13.27	
			484T	130	15.55	13.54	13.57	13.40	
				131	15.23	13.18	13.36	13.31	
				133	15.20	13.39	13.34	13.21	
			996T	134	15.27	13.19	13.32	13.16	
				135	15.20	13.26	13.43	13.54	
			996T + 996T	136	16.15	14.27	14.34	13.26	
			SU	-	16.23	14.45	14.45	13.41	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

PPSD Results

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

Mode	Channel	Frequency [MHz]	Tones	RU offset	Meas PPSD [dBm/MHz]				PPSD Limit [dBm/MHz]
					ANT1	ANT2	ANT3	ANT4	
HE20	36	5180	26T	0	10.08	9.77	9.97	10.23	11
				4	10.78	10.43	10.26	10.46	
				8	10.42	9.74	10.06	10.10	
			SU	-	5.96	6.95	7.44	6.22	
	40	5200	26T	0	10.02	9.82	9.61	10.16	
				4	10.71	10.44	9.73	10.19	
				8	10.22	9.33	9.86	10.60	
			SU	-	7.59	8.02	7.73	8.25	
	48	5240	26T	0	9.81	10.14	9.80	9.88	
				4	10.45	10.55	10.44	10.50	
				8	10.17	9.87	9.94	10.24	
			SU	-	7.34	7.82	7.99	7.38	
HE40	38	5190	26T	0	9.52	9.90	9.67	10.07	
				9	10.52	10.52	10.45	10.72	
				17	10.26	9.44	10.33	10.19	
			SU	-	2.53	0.04	1.74	-0.26	
	46	5230	26T	0	9.46	9.15	9.75	9.22	
				9	10.16	10.02	10.72	10.40	
				17	9.84	8.90	10.15	10.18	
			SU	-	3.61	4.34	3.24	3.42	
HE80	42	5210	26T	0	10.19	10.39	10.05	10.42	
				18	10.44	10.56	10.30	10.58	
				36	10.15	10.08	10.02	10.53	
			SU	-	-1.78	-2.86	-1.40	-4.25	
HE160	50	5250	26T	0	9.80	10.00	10.66	10.50	11
				37	10.35	10.68	10.15	10.64	
				73	10.76	10.83	9.73	10.62	
			SU	-	-3.82	-5.04	-5.65	-7.04	

* Calculation of PPSD result : PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

10.2.2. 802.11ax 1Tx (SISO) MODE 5.3 GHz BAND

Bandwidth and Antenna Gain, Limits

Mode	Channel	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain [dBi]	Power Limit [dBm]	PPSD Limit [dBm/MHz]
HE20	52	5260	18.31	1.97	23.63	11
	60	5300	18.23		23.61	
	64	5320	18.14		23.59	
HE40	54	5270	37.75		23.98	
	62	5310	37.34		23.98	
HE80	58	5290	77.33		23.98	
HE160	60	5250	154.40		23.98	

Included in Calculations of Corr'd [Power & PPSD]				
Duty Cycle CF [dB]	HE20	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		SU	-	dB
	HE40	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		SU	-	dB
	HE80	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		SU	-	dB
	HE160	26T	-	dB
		52T		dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		996T + 996T	-	dB
		SU	-	dB

Output Power Results

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4	
HE20	52	5260	26T	0	13.18	12.68	12.60	12.89	23.63
				4	13.48	12.97	13.18	13.55	
				8	12.90	12.64	12.81	13.15	
			52T	37	15.46	15.17	15.16	15.15	
				38	15.62	15.43	15.49	15.44	
				40	15.32	15.26	15.26	15.29	
			106T	53	17.46	17.50	17.15	17.35	
				54	17.44	17.54	17.29	17.52	
			242T	61	18.34	18.18	18.33	18.13	
			SU	-	18.61	18.46	18.42	18.33	
	60	5300	26T	0	13.31	12.88	12.79	12.62	23.61
				4	13.67	13.34	13.32	13.10	
				8	13.27	12.85	12.85	12.51	
			52T	37	15.28	15.21	15.11	15.17	
				38	15.56	15.68	15.36	15.53	
				40	15.22	15.45	15.01	15.10	
			106T	53	17.46	17.42	17.44	17.44	
				54	17.43	17.53	17.45	17.36	
			242T	61	18.35	18.08	18.43	18.07	
			SU	-	18.59	18.42	18.58	18.36	
	64	5320	26T	0	13.24	12.75	12.91	12.18	23.59
				4	13.75	13.22	13.35	12.72	
				8	13.30	12.82	12.89	12.17	
			52T	37	15.22	15.21	15.03	14.20	
				38	15.55	15.53	15.32	14.48	
				40	15.33	15.27	15.05	14.08	
			106T	53	17.36	17.45	17.39	17.39	
				54	17.48	17.47	17.46	17.28	
			242T	61	18.47	18.14	18.46	18.14	
			SU	-	18.62	18.30	18.75	18.49	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4	
HE40	54	5270	26T	0	13.31	12.89	12.85	13.19	23.98
				9	13.55	13.08	12.96	13.34	
				17	13.27	12.98	12.89	13.31	
			52T	37	14.37	14.17	14.27	15.37	
				41	14.62	14.24	14.53	15.39	
				44	14.19	14.07	14.37	15.46	
			106T	53	15.23	15.37	15.22	16.42	
				54	15.46	15.25	15.29	16.27	
				56	15.11	15.43	15.38	16.47	
			242T	61	16.31	16.30	16.23	17.45	
				62	16.26	16.57	16.34	17.34	
			484T	65	17.44	17.28	17.32	18.19	
			SU	-	17.56	17.46	17.56	18.38	
	62	5310	26T	0	13.33	12.88	13.12	12.29	23.98
				9	13.50	13.01	13.05	12.56	
				17	13.41	12.98	12.81	12.16	
			52T	37	14.26	13.35	13.56	14.34	
				41	14.61	13.32	13.36	14.33	
				44	14.28	13.45	13.40	14.28	
			106T	53	15.24	13.56	14.53	15.26	
				54	15.64	13.63	14.65	15.30	
				56	15.25	13.57	14.49	15.30	
			242T	61	16.41	13.65	15.36	16.46	
				62	16.29	13.68	15.51	16.24	
			484T	65	17.28	14.17	16.21	17.16	
			SU	-	17.51	14.25	16.25	17.31	
HE80	58	5290	26T	0	13.48	12.23	12.77	13.41	23.98
				18	13.60	13.09	12.93	13.43	
				36	13.26	13.03	13.18	13.33	
			52T	37	14.50	12.99	13.40	14.11	
				45	14.67	13.59	13.60	14.55	
				52	14.35	13.60	13.68	14.02	
			106T	53	14.52	13.12	13.06	14.31	
				57	14.62	13.66	13.63	14.60	
				60	14.30	13.42	13.50	14.13	
			242T	61	15.28	13.51	14.29	15.47	
				62	15.55	13.35	14.55	15.50	
				64	15.06	13.68	14.47	15.26	
			484T	65	15.35	13.24	15.30	15.32	
				66	15.31	13.76	15.51	15.26	
			996T	67	16.36	14.32	16.16	16.28	
			SU	-	16.42	14.37	16.40	16.39	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

PPSD Results

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

Mode	Channel	Frequency [MHz]	Tones	RU offset	Meas PPSD [dBm/MHz]				PPSD Limit [dBm/MHz]
					ANT1	ANT2	ANT3	ANT4	
HE20	52	5260	26T	0	10.41	9.76	9.73	10.19	11
				4	10.63	10.32	10.60	10.78	
				8	10.16	10.33	10.07	10.47	
			SU	-	6.62	6.71	6.03	6.17	
	60	5300	26T	0	10.44	10.20	10.34	9.58	
				4	10.68	10.53	10.53	10.33	
				8	10.39	10.54	10.28	9.71	
			SU	-	6.12	6.17	5.96	5.96	
	64	5320	26T	0	10.18	10.25	9.84	9.53	
				4	10.61	10.66	10.45	10.07	
				8	10.60	10.48	10.03	9.45	
			SU	-	5.79	6.00	6.08	6.42	
HE40	54	5270	26T	0	10.84	10.86	9.95	10.45	
				9	10.81	10.38	9.30	10.05	
				17	10.21	10.73	9.59	10.49	
			SU	-	3.16	3.60	1.94	3.16	
	62	5310	26T	0	10.67	10.41	9.49	9.09	
				9	10.49	10.18	9.41	9.22	
				17	10.54	10.42	9.50	9.42	
			SU	-	2.07	-0.72	0.93	2.36	
HE80	58	5290	26T	0	10.58	9.97	9.82	10.22	
				18	10.60	10.23	9.25	9.78	
				36	10.29	10.10	10.43	10.48	
			SU	-	-1.65	-3.03	-2.00	-1.58	

* Calculation of PPSD result : PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

10.2.3. 802.11ax 1Tx (SISO) MODE 5.5 GHz BAND

Bandwidth and Antenna Gain, Limits

Mode	Channel	Frequency [MHz]	Min 26 dB BW [MHz]	Directional Gain [dBi]	Power Limit [dBm]	PPSD Limit [dBm/MHz]
HE20	100	5500	16.20	1.94	23.10	11
	116	5580	18.01		23.56	
	140	5700	16.87		23.27	
HE40	102	5510	36.32		23.98	
	118	5590	37.92		23.98	
	134	5670	37.34		23.98	
HE80	106	5530	76.63		23.98	
	122	5610	77.05		23.98	
HE160	114	5570	154.30		23.98	

Included in Calculations of Corr'd [Power & PPSD]				
Duty Cycle CF [dB]	HE20	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		SU	-	dB
	HE40	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		SU	-	dB
	HE80	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		SU	-	dB
	HE160	26T	-	dB
		52T		dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		996T + 996T	-	dB
		SU	-	dB

Output Power Results

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4	
HE20	100	5500	26T	0	13.41	12.72	12.98	12.01	23.10
				4	13.71	12.85	13.51	12.36	
				8	13.12	12.26	13.20	12.13	
			52T	37	14.43	14.40	14.30	13.23	
				38	14.51	14.60	14.65	13.58	
				40	13.97	14.23	14.50	13.53	
			106T	53	15.51	15.51	15.51	15.26	
				54	15.23	15.39	15.56	15.44	
			242T	61	17.17	16.68	17.16	16.24	
			SU	-	17.54	17.44	17.34	16.57	
	116	5580	26T	0	13.10	12.87	12.66	11.33	23.56
				4	13.16	13.31	13.34	11.71	
				8	12.48	13.03	13.13	11.23	
			52T	37	14.33	14.26	14.21	12.28	
				38	14.57	14.63	14.66	12.54	
				40	14.30	14.06	14.61	12.25	
			106T	53	15.38	15.55	15.44	13.44	
				54	15.43	15.47	15.69	13.53	
			242T	61	17.20	16.54	17.11	14.59	
			SU	-	17.57	17.38	17.41	15.11	
	140	5700	26T	0	12.96	12.96	12.06	12.95	23.27
				4	13.32	13.31	12.31	13.38	
				8	12.91	12.71	11.61	12.85	
			52T	37	14.32	14.21	13.38	14.20	
				38	14.62	14.56	13.54	14.44	
				40	14.49	14.20	13.05	14.08	
			106T	53	15.34	15.67	13.43	14.23	
				54	15.50	15.60	13.21	14.06	
			242T	61	17.38	16.42	14.49	15.19	
			SU	-	17.64	16.65	14.63	15.32	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4	
HE40	102	5510	26T	0	13.20	12.16	13.22	11.23	23.98
				9	13.68	12.36	13.50	11.29	
				17	13.15	12.20	13.60	11.51	
			52T	37	14.01	12.27	13.04	12.13	
				41	14.21	12.45	13.37	12.16	
				44	13.93	12.50	13.33	12.45	
			106T	53	13.90	13.26	14.31	13.39	
				54	14.13	13.61	14.36	13.23	
				56	13.91	13.05	14.49	13.55	
			242T	61	14.61	13.41	14.23	14.21	
				62	14.19	13.30	14.36	14.37	
			484T	65	15.16	14.35	15.28	15.27	
			SU	-	15.18	14.57	15.61	15.57	
	118	5590	26T	0	13.35	13.34	13.09	11.16	23.98
				9	13.44	13.45	13.47	11.69	
				17	13.03	13.49	13.37	11.23	
			52T	37	14.48	14.26	14.39	12.37	
				41	14.23	14.48	14.40	12.55	
				44	14.25	14.46	14.65	12.41	
			106T	53	15.28	15.08	15.31	13.15	
				54	15.21	15.65	15.44	13.49	
				56	15.23	15.33	15.41	13.21	
			242T	61	16.28	16.48	16.10	14.18	
				62	16.32	16.56	16.62	14.57	
			484T	65	17.14	17.26	17.06	15.28	
			SU	-	17.43	17.44	17.45	15.65	
	134	5670	26T	0	13.23	13.13	12.44	13.05	23.98
				9	13.39	13.43	12.41	13.35	
				17	13.37	13.54	12.18	13.16	
			52T	37	14.28	14.11	13.58	14.26	
				41	14.32	14.30	13.49	14.56	
				44	14.38	14.47	13.28	14.33	
			106T	53	15.18	15.13	14.26	15.28	
				54	15.28	15.56	14.66	15.41	
				56	15.29	15.43	14.05	15.31	
			242T	61	16.05	16.15	15.48	16.29	
				62	16.57	16.34	15.19	16.31	
			484T	65	17.28	17.10	16.16	17.07	
			SU	-	17.57	17.36	16.41	17.41	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4	
HE80	106	5530	26T	0	13.38	12.75	13.47	11.31	23.98
				18	13.59	12.50	13.35	11.29	
				36	13.07	12.20	13.51	11.36	
			52T	37	13.21	12.74	13.56	11.27	
				45	13.61	12.60	13.25	11.45	
				52	13.25	12.35	13.54	11.41	
			106T	53	13.42	13.43	13.30	12.37	
				57	13.60	13.36	13.53	12.52	
				60	13.19	13.26	13.18	12.59	
			242T	61	13.33	13.44	13.14	12.47	
				62	13.58	13.62	13.20	12.19	
				64	13.07	13.31	13.43	12.46	
			484T	65	13.62	13.66	12.96	12.31	
				66	13.05	13.58	13.50	12.08	
			996T	67	14.04	14.56	14.21	13.12	
			SU	-	14.18	14.57	14.40	13.29	
	122	5610	26T	0	13.36	12.95	13.10	11.19	23.98
				18	13.71	13.13	13.35	11.34	
				36	13.46	13.41	13.18	11.55	
			52T	37	14.42	14.02	14.23	11.30	
				45	14.20	14.15	14.48	11.43	
				52	14.06	14.61	14.38	11.58	
			106T	53	14.17	14.16	14.39	12.25	
				57	14.21	14.26	14.56	12.38	
				60	14.26	14.72	14.49	12.44	
			242T	61	15.32	15.08	15.18	12.62	
				62	15.48	15.24	15.43	12.32	
				64	15.15	15.42	15.62	12.66	
			484T	65	16.54	15.17	15.37	12.19	
				66	15.97	15.26	15.38	12.31	
			996T	67	17.19	16.27	16.17	13.09	
			SU	-	17.26	16.50	16.34	13.37	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4	
HE 160	114	5570	26T	0	12.67	12.36	13.19	12.42	23.98
				37	12.53	12.45	13.28	12.45	
				73	12.24	12.31	13.25	12.47	
			52T	74	13.45	13.19	13.44	12.37	
				89	13.58	13.46	13.22	12.41	
				105	13.30	13.35	13.34	12.43	
			106T	106	13.51	13.34	13.39	12.18	
				113	13.60	13.48	13.16	12.41	
				121	13.18	13.46	13.29	12.33	
			242T	122	13.44	13.32	13.22	12.30	
				125	13.45	13.46	13.41	12.35	
				129	13.19	13.45	13.36	12.52	
			484T	130	13.31	13.47	13.15	12.52	
				131	13.39	13.40	13.22	12.47	
				133	13.13	13.34	13.55	12.65	
			996T	134	13.65	13.45	13.31	12.41	
				135	13.55	13.60	13.65	12.30	
			996T + 996T	136	14.39	14.17	14.20	13.25	
			SU	-	14.64	14.42	14.48	13.36	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

PPSD Results

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

Mode	Channel	Frequency [MHz]	Tones	RU offset	Meas PPSD [dBm/MHz]				PPSD Limit [dBm/MHz]
					ANT1	ANT2	ANT3	ANT4	
HE20	100	5500	26T	0	10.30	9.83	10.26	9.87	11
				4	10.70	10.03	10.48	10.11	
				8	10.22	9.45	10.38	9.82	
			SU	-	4.74	5.27	4.83	5.11	
	116	5580	26T	0	10.21	10.72	9.00	8.83	
				4	10.62	10.84	9.45	9.19	
				8	10.05	10.53	9.04	8.97	
			SU	-	5.43	5.64	4.99	3.64	
	140	5700	26T	0	10.04	10.22	9.36	10.18	
				4	10.45	10.66	9.35	10.49	
				8	10.21	9.73	9.14	9.90	
			SU	-	5.87	4.86	2.45	2.75	
HE40	102	5510	26T	0	10.30	9.82	10.07	9.44	
				9	10.61	10.39	10.46	9.06	
				17	10.82	10.13	10.73	9.70	
			SU	-	0.03	-0.26	0.09	1.22	
	118	5590	26T	0	10.56	10.81	10.15	9.71	
				9	10.84	10.82	10.12	9.12	
				17	10.53	10.80	10.36	9.43	
			SU	-	3.13	3.11	2.18	1.09	
	134	5670	26T	0	10.65	10.78	9.72	10.06	
				9	10.63	10.92	9.51	10.31	
				17	10.83	10.82	9.45	10.43	
			SU	-	2.94	2.78	1.32	1.90	

* Calculation of PPSD result : PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

Mode	Channel	Frequency [MHz]	Tones	RU offset	Meas PPSD [dBm/MHz]				PPSD Limit [dBm/MHz]
					ANT1	ANT2	ANT3	ANT4	
HE80	106	5530	26T	0	9.56	10.17	10.01	8.71	11
				18	10.24	9.82	9.94	8.45	
				36	10.70	10.49	10.15	9.10	
			SU	-	-3.81	-3.00	-3.82	-4.36	
	122	5610	26T	0	10.36	10.71	10.70	8.73	
				18	10.82	10.47	10.21	8.37	
				36	10.74	10.66	9.64	8.31	
			SU	-	-0.34	-1.05	-2.06	-4.87	
HE160	114	5570	26T	0	10.16	10.20	10.56	10.40	
				37	10.78	10.68	10.32	10.04	
				73	10.67	10.55	9.53	9.45	
			SU	-	-5.32	-5.17	-5.91	-6.02	

* Calculation of PPSD result : PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

10.2.4.802.11ax 1Tx (SISO) MODE STRADDLE CHANNEL

Bandwidth and Antenna Gain, Limits

Frequency [MHz]	Portion	Min 26 dB BW [MHz]	Directional Gain [dBi]	Power Limit [dBm]	PPSD Limit
5720(HE20)	UNII-2C	14.42	1.94	22.59	11 [dBm/MHz]
	UNII-3	4.04	1.86	30	30 [dBm/500kHz]
5710(HE40)	UNII-2C	34.04	1.94	23.98	11 [dBm/MHz]
	UNII-3	3.98	1.86	30	30 [dBm/500kHz]
5690(HE80)	UNII-2C	73.86	1.94	23.98	11 [dBm/MHz]
	UNII-3	3.76	1.86	30	30 [dBm/500kHz]

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	-	dB
		SU	-	dB
	HE40	26T	-	dB
		SU	-	dB
	HE80	26T	-	dB
		SU	-	dB

Output Power Results

Frequency [MHz]	Portion	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
				ANT1	ANT2	ANT3	ANT4	
5720	UNII-2C	26T	6	12.14	12.40	10.52	11.83	22.59
		SU	-	15.02	14.51	14.51	13.07	
	UNII-3	26T	6	-11.67	-11.00	-14.00	-12.31	30
		SU	-	9.88	9.19	9.20	7.97	
5710	UNII-2C	26T	16	10.21	10.03	8.34	8.84	23.98
		SU	-	14.00	13.63	11.99	13.08	
	UNII-3	26T	16	-17.45	-14.70	-17.53	-15.61	30
		SU	-	4.67	4.55	2.49	4.12	
5690	UNII-2C	26T	35	11.19	11.59	10.12	9.18	23.98
		SU	-	15.46	15.52	13.12	15.77	
	UNII-3	26T	35	-36.83	-19.90	-22.74	-21.84	30
		SU	-	2.46	2.62	-0.58	3.34	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

PPSD Results

Band	Actual RBW	Ref. Bandwidth	Corr'd factor
UNII-2C	100 kHz	1000 kHz	10.00 dB
UNII-3	100 kHz	500 kHz	6.99 dB

Frequency [MHz]	Portion	Tones	RU offset	Meas PPSD [dBm/MHz]				PPSD Limit [dBm/MHz]
				ANT1	ANT2	ANT3	ANT4	
5720	UNII-2C	26T	4	9.86	10.03	8.16	8.87	11
		SU	-	4.65	5.04	4.17	2.99	
	*UNII-3	26T	4	-12.15	-11.02	-12.21	-12.04	30
		SU	-	1.97	2.21	0.94	-0.14	
5710	UNII-2C	26T	9	10.04	9.25	8.33	9.07	11
		SU	-	1.98	1.73	0.81	1.69	
	*UNII-3	26T	9	-14.47	-12.67	-16.59	-15.88	30
		SU	-	-1.16	-1.49	-3.28	-1.67	
5690	UNII-2C	26T	18	10.01	10.41	8.87	8.64	11
		SU	-	-0.38	-0.37	-2.76	0.08	
	*UNII-3	26T	18	-18.77	-16.63	-18.95	-18.26	30
		SU	-	-4.54	-4.28	-7.71	-3.44	

Note: * For UNII-3, the unit of PPSD is [dBm/500kHz].
Calculation of PPSD result : PPSD = Meas PPSD + Duty CF + Corr'd factor [dB]

10.2.5.802.11ax 1Tx (SISO) MODE 5.8 GHz BAND

Bandwidth and Antenna Gain, Limits

Mode	Channel	Frequency [MHz]	Directional Gain [dBi]	Power Limit [dBm]	PPSD Limit [dBm/500kHz]
HE20	149	5745	1.86	30	30
	157	5785			
	165	5825			
HE40	151	5755			
	159	5795			
HE80	155	5775			

Included in Calculations of Corr'd [Power & PPSD]				
Duty Cycle CF [dB]	HE20	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		SU	-	dB
	HE40	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		SU	-	dB
	HE80	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		SU	-	dB

Output Power Results

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT1	ANT2	
HE20	149	5745	26T	0	15.13	14.23	13.36	15.39	30
				4	15.36	14.75	13.75	15.90	
				8	15.03	14.50	13.19	15.72	
			52T	37	17.38	16.27	15.42	17.23	
				38	17.61	16.62	15.64	17.63	
				40	17.36	16.52	15.17	17.53	
			106T	53	18.41	18.41	17.37	18.06	
				54	18.43	18.65	17.16	18.28	
			242T	61	19.15	19.19	19.33	19.24	
			SU	-	19.54	19.48	19.52	19.46	
	157	5785	26T	0	15.03	14.36	13.40	15.36	
				4	15.55	14.83	13.66	15.76	
				8	15.10	14.38	13.26	15.58	
			52T	37	17.45	16.58	15.29	17.38	
				38	17.74	16.84	15.51	17.66	
				40	17.54	16.64	15.13	17.45	
			106T	53	18.56	18.66	17.31	18.16	
				54	18.58	18.59	17.26	18.27	
			242T	61	19.19	19.41	19.17	19.14	
			SU	-	19.58	19.67	19.43	19.38	
	165	5825	26T	0	14.88	14.25	13.30	15.25	
				4	15.37	14.76	13.74	15.64	
				8	14.96	14.30	13.28	15.35	
			52T	37	17.42	16.46	15.12	17.22	
				38	17.66	16.78	15.38	17.53	
				40	17.38	16.42	15.21	17.21	
			106T	53	18.37	18.61	17.35	18.06	
				54	18.38	18.48	17.34	18.04	
			242T	61	19.28	19.22	19.08	19.09	
			SU	-	19.67	19.51	19.31	19.30	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

Mode	Channel	Frequency [MHz]	Tones	RU offset	Average Power [dBm]				Power Limit [dBm]
					ANT1	ANT2	ANT1	ANT2	
HE40	151	5755	26T	0	15.29	14.25	13.18	15.14	30
				9	15.40	14.56	13.33	15.34	
				17	15.18	14.40	13.29	15.68	
			52T	37	16.36	15.19	14.38	16.31	
				41	16.52	15.53	14.30	16.33	
				44	16.34	15.42	14.12	16.39	
			106T	53	17.25	16.30	15.19	17.21	
				54	17.27	16.37	15.16	17.20	
				56	17.17	16.33	15.11	17.67	
			242T	61	17.39	17.07	16.42	18.07	
				62	17.55	17.43	16.12	18.38	
			484T	65	18.30	18.23	17.26	19.12	
			SU	-	18.41	18.30	17.43	19.37	
	159	5795	26T	0	15.23	14.31	13.27	15.19	
				9	15.56	14.27	13.41	15.35	
				17	15.51	14.58	13.17	15.09	
			52T	37	16.33	15.15	14.36	16.31	
				41	16.36	15.39	14.32	16.22	
				44	16.51	15.37	14.09	16.28	
			106T	53	17.13	16.18	15.62	17.26	
				54	17.21	16.20	15.25	17.46	
				56	17.42	16.41	15.14	17.40	
			242T	61	17.46	17.25	16.47	18.32	
				62	17.63	17.39	16.28	18.39	
			484T	65	18.42	18.10	17.10	19.36	
			SU	-	18.46	18.35	17.26	19.52	
HE80	155	5775	26T	0	15.23	14.11	13.10	15.22	
				18	15.38	14.24	13.35	15.45	
				36	15.51	14.59	13.19	15.13	
			52T	37	16.29	15.23	14.13	16.24	
				45	16.50	15.54	14.39	16.47	
				52	16.20	15.34	14.31	16.44	
			106T	53	16.47	16.17	14.28	16.13	
				57	16.56	16.62	14.31	16.56	
				60	16.45	16.04	14.44	16.26	
			242T	61	17.58	17.34	15.34	17.32	
				62	17.32	17.09	15.71	17.47	
				64	17.47	17.29	15.21	17.55	
			484T	65	17.55	17.43	15.52	18.49	
				66	17.18	17.37	15.19	18.44	
			996T	67	18.12	18.33	16.22	19.27	
			SU	-	18.41	18.54	16.39	19.43	

* Calculation of Output Power : Average Power = Meas Power + Duty CF [dB]

PPSD Results

Mode	Channel	Frequency [MHz]	Tones	RU offset	Meas PPSD [dBm/500kHz]				PPSD Limit [dBm/ 500kHz]
					ANT1	ANT2	ANT3	ANT4	
HE20	149	5745	26T	0	9.92	9.19	8.45	10.22	30
				4	10.02	9.41	8.76	10.79	
				8	9.82	9.33	8.23	10.65	
			SU	-	5.01	5.00	3.65	4.27	
	157	5785	26T	0	9.83	9.24	8.40	10.71	
				4	9.80	9.59	8.39	11.04	
				8	9.56	9.15	8.26	10.53	
			SU	-	4.76	4.83	4.41	3.71	
	165	5825	26T	0	9.85	9.30	8.50	10.82	
				4	9.90	9.52	8.62	10.67	
				8	9.61	8.84	8.64	10.44	
			SU	-	5.44	4.91	4.33	3.89	
HE40	151	5755	26T	0	8.08	7.77	5.23	6.83	
				9	7.80	7.40	4.89	7.05	
				17	8.53	7.94	5.67	8.08	
			SU	-	-0.57	-0.79	-2.88	-0.84	
	159	5795	26T	0	8.53	7.50	5.50	6.82	
				9	8.27	7.54	5.59	6.88	
				17	9.32	7.77	5.96	7.75	
			SU	-	-0.31	-1.02	-2.84	-0.51	
HE80	155	5775	26T	0	8.27	6.94	4.97	7.38	
				18	8.18	6.72	5.14	7.10	
				36	9.35	8.27	6.13	7.42	
			SU	-	-2.91	-2.75	-6.14	-2.70	

* Calculation of PPSD result : PPSD = Meas PPSD + Duty CF

10.2.6. 802.11ax 4Tx (MIMO) MODE 5.2 GHz BAND

Bandwidth and Antenna Gain, Limits

Mode	Channel	Frequency [MHz]	Directional Gain		Power Limit [dBm]	PPSD Limit [dBm/MHz]
			For Power [dBi]	For PSD [dBi]		
HE20	36	5180	1.98	8.00	23.48	9
	40	5200			23.44	
	48	5240			23.49	
HE40	38	5190			23.98	
	46	5230			23.98	
HE80	42	5210			23.98	
HE160	50	5250			23.98	

Included in Calculations of Corr'd [Power & PPSD]				
Duty Cycle CF [dB]	HE20	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		SU	-	dB
	HE40	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		SU	-	dB
	HE80	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		SU	-	dB
	HE160	26T	-	dB
		52T		dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		996T + 996T	-	dB
		SU	-	dB

Output Power Results

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE20	36	5180	26T	0	6.01	3.54	1.05	5.82	10.55	23.48
				4	6.38	4.03	1.52	6.42	11.03	
				8	6.16	3.43	1.49	6.15	10.74	
			52T	37	7.71	6.51	4.07	8.36	12.96	
				38	8.15	7.53	4.03	8.76	13.47	
				40	8.08	6.88	3.81	8.49	13.17	
			106T	53	9.31	8.89	5.74	10.12	14.82	
				54	9.74	8.83	5.90	10.01	14.91	
			242T	61	11.36	10.61	7.40	11.80	16.61	
			SU	-	12.71	12.12	8.61	13.12	17.97	
	40	5200	26T	0	5.96	3.18	0.82	6.07	10.52	23.44
				4	6.36	3.28	1.08	6.62	10.91	
				8	6.05	3.00	1.55	6.78	10.87	
			52T	37	8.10	6.45	3.60	8.35	13.01	
				38	8.44	7.31	4.17	8.86	13.55	
				40	8.15	6.89	4.17	8.73	13.32	
			106T	53	9.80	8.91	5.66	10.17	14.97	
				54	9.78	8.69	5.83	10.35	14.99	
			242T	61	11.42	10.38	7.12	11.99	16.60	
			SU	-	12.79	12.00	8.39	13.34	18.02	
	48	5240	26T	0	6.13	3.26	0.66	6.41	10.70	23.49
				4	5.95	2.77	0.90	6.52	10.62	
				8	5.58	2.42	1.45	6.23	10.40	
			52T	37	8.28	6.37	3.56	8.74	13.18	
				38	8.11	6.18	4.34	8.43	13.08	
				40	7.90	6.09	4.14	8.36	12.94	
			106T	53	9.93	8.66	5.98	10.46	15.09	
				54	9.97	8.87	6.06	10.62	15.21	
			242T	61	11.47	10.29	7.47	12.08	16.67	
			SU	-	12.80	12.01	8.84	13.54	18.14	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE40	38	5190	26T	0	5.32	4.68	1.90	5.86	10.70	23.98
				9	6.19	5.81	0.97	6.04	11.22	
				17	5.30	4.35	1.10	5.59	10.42	
			52T	37	6.98	7.24	3.46	7.87	12.70	
				41	8.46	8.49	3.78	8.45	13.70	
				44	7.71	7.06	4.09	8.13	13.02	
			106T	53	10.63	10.83	6.68	11.33	16.22	
				54	11.55	11.25	7.19	11.90	16.84	
				56	10.99	10.30	7.28	11.80	16.41	
			242T	61	13.05	12.50	11.11	12.99	18.50	
				62	12.87	11.96	11.49	13.50	18.55	
			484T	65	13.64	12.90	12.13	13.85	19.20	
			SU	-	14.25	13.38	12.47	14.39	19.71	
	46	5230	26T	0	5.44	4.38	-0.01	5.07	10.19	23.98
				9	5.52	5.05	0.84	5.56	10.63	
				17	4.63	3.95	1.17	5.35	10.05	
			52T	37	7.57	7.14	3.40	7.88	12.84	
				41	8.35	8.11	4.45	9.12	13.85	
				44	7.47	7.44	4.42	8.64	13.27	
			106T	53	11.17	10.58	6.83	11.41	16.35	
				54	11.56	11.07	7.50	12.28	16.96	
				56	11.02	10.66	7.19	12.13	16.61	
			242T	61	12.48	11.94	11.20	13.37	18.34	
				62	12.38	12.10	11.36	13.51	18.43	
			484T	65	13.18	12.98	12.00	14.03	19.13	
			SU	-	13.74	13.18	12.33	14.50	19.53	
HE80	42	5210	26T	0	4.81	4.48	1.34	5.79	10.41	23.98
				18	4.97	4.59	0.34	6.62	10.68	
				36	3.76	3.54	1.43	5.30	9.74	
			52T	37	6.67	6.91	2.70	7.30	12.25	
				45	7.53	6.83	3.95	8.49	13.02	
				52	6.84	6.88	4.55	8.62	12.97	
			106T	53	8.95	9.51	4.73	9.70	14.64	
				57	9.54	9.00	6.00	10.43	15.05	
				60	8.88	8.58	5.79	10.45	14.75	
			242T	61	11.78	11.83	10.20	11.89	17.50	
				62	11.71	11.21	10.41	12.13	17.43	
				64	11.40	10.87	10.62	12.60	17.46	
			484T	65	11.64	11.47	10.31	11.94	17.40	
				66	11.28	10.94	10.68	12.41	17.40	
			996T	67	12.27	11.89	10.96	12.95	18.10	
			SU	-	12.81	12.35	11.39	13.51	18.60	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE 160	50	5250	26T	0	5.11	5.28	3.03	4.09	10.49	23.98
				37	4.51	4.29	3.82	5.12	10.48	
				73	4.89	4.94	4.39	4.08	10.61	
			52T	74	6.73	7.13	4.81	6.34	12.36	
				89	6.89	6.21	6.16	6.65	12.51	
				105	6.60	6.75	6.42	6.73	12.65	
			106T	106	7.93	7.63	5.97	7.19	13.26	
				113	8.04	7.22	6.75	8.25	13.63	
				121	7.70	7.76	7.22	7.76	13.64	
			242T	122	8.89	8.62	6.52	8.26	14.18	
				125	8.83	8.16	7.55	9.20	14.50	
				129	8.77	8.64	7.81	8.90	14.57	
			484T	130	10.13	9.17	8.47	10.31	15.60	
				131	10.08	9.11	8.37	10.16	15.51	
				133	9.30	9.34	8.67	9.56	15.25	
			996T	134	10.93	10.24	9.19	11.02	16.42	
				135	10.56	10.42	7.75	11.04	16.13	
			996T + 996T	136	11.69	11.25	10.44	12.01	17.41	
			SU	-	12.67	12.53	11.59	13.09	18.52	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

PPSD Results

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Meas PPSD [dBm/100kHz]				Corr'd PPSD [dBm/MHz]	PPSD Limit [dBm/MHz]
					ANT1	ANT2	ANT3	ANT4		
HE20	36	5180	26T	0	-6.77	-9.26	-11.38	-6.11	8.11	9
				4	-5.96	-8.49	-10.94	-5.45	8.81	
				8	-6.36	-8.84	-10.72	-5.60	8.58	
			SU	-	-8.73	-8.88	-11.96	-8.27	6.77	
	40	5200	26T	0	-6.87	-8.33	-11.38	-5.73	8.41	
				4	-6.10	-9.46	-11.35	-5.02	8.73	
				8	-6.10	-9.53	-10.47	-5.19	8.75	
			SU	-	-8.59	-9.48	-12.40	-7.82	6.76	
	48	5240	26T	0	-6.11	-9.45	-11.98	-6.04	8.26	
				4	-6.48	-9.71	-11.92	-5.78	8.20	
				8	-7.19	-9.44	-11.02	-5.64	8.17	
			SU	-	-8.91	-9.26	-12.22	-7.24	6.96	
HE40	38	5190	26T	0	-6.81	-7.50	-9.68	-6.26	8.64	
				9	-6.62	-6.88	-11.39	-5.89	8.77	
				17	-6.74	-7.54	-10.52	-5.91	8.65	
			SU	-	-10.43	-10.69	-10.85	-9.27	5.76	
	46	5230	26T	0	-6.64	-7.70	-7.36	-7.48	8.74	
				9	-6.88	-7.25	-11.14	-6.97	8.27	
				17	-7.58	-8.33	-10.81	-5.89	8.21	
			SU	-	-10.21	-10.22	-11.42	-9.37	5.78	
HE80	42	5210	26T	0	-7.36	-7.80	-11.71	-6.88	7.94	
				18	-7.21	-8.06	-11.80	-4.86	8.69	
				36	-8.25	-9.27	-10.53	-5.96	7.85	
			SU	-	-14.40	-14.41	-15.07	-13.73	1.64	
HE 160	50	5250	26T	0	-7.94	-7.48	-8.76	-8.74	7.83	
				37	-7.94	-7.30	-7.90	-6.87	8.54	
				73	-7.37	-7.51	-7.23	-7.59	8.60	
			SU	-	-16.66	-16.16	-17.45	-16.03	-0.52	

* Calculation of PPSD result :
Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Ant3 PPSD + Ant4 PPSD + Duty CF + Corr'd factor [dB]

10.2.7. 802.11ax 4Tx (MIMO) MODE 5.3 GHz BAND

Bandwidth and Antenna Gain, Limits

Mode	Channel	Frequency [MHz]	Directional Gain		Power Limit [dBm]	PPSD Limit [dBm/MHz]
			For Power [dBi]	For PSD [dBi]		
HE20	52	5260	1.97	7.99	23.63	9.01
	60	5300			23.61	
	64	5320			23.59	
HE40	54	5270			23.98	
	62	5310			23.98	
HE80	58	5290			23.98	
HE160	50	5250			23.98	

Included in Calculations of Corr'd [Power & PPSD]				
Duty Cycle CF [dB]	HE20	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		SU	-	dB
	HE40	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		SU	-	dB
	HE80	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		SU	-	dB
	HE160	26T	-	dB
		52T		dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		996T + 996T	-	dB
		SU	-	dB

Output Power Results

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE20	52	5260	26T	0	5.89	3.83	2.29	5.81	10.72	23.63
				4	5.21	5.04	3.08	5.49	10.82	
				8	4.70	4.22	4.03	5.63	10.71	
			52T	37	6.81	5.61	4.91	6.98	12.18	
				38	6.91	6.36	5.83	6.35	12.40	
				40	6.84	6.82	6.19	6.85	12.70	
			106T	53	10.05	9.45	8.70	9.94	15.59	
				54	9.89	9.49	8.95	9.93	15.60	
			242T	61	12.74	12.43	11.22	12.57	18.30	
			SU	-	13.37	12.93	12.16	13.56	19.06	
	60	5300	26T	0	5.20	3.82	1.46	4.70	10.03	23.61
				4	5.27	4.61	2.93	4.73	10.49	
				8	5.00	3.97	4.17	4.68	10.49	
			52T	37	7.27	6.43	5.38	6.62	12.50	
				38	7.03	7.03	6.20	6.18	12.65	
				40	6.82	6.58	6.02	5.97	12.38	
			106T	53	10.02	10.03	8.88	9.48	15.65	
				54	10.16	10.30	8.86	9.41	15.74	
			242T	61	13.16	13.13	11.79	12.80	18.77	
			SU	-	14.07	14.05	12.72	13.31	19.59	
	64	5320	26T	0	5.02	5.28	2.86	4.69	10.58	23.59
				4	5.27	5.03	3.17	4.25	10.52	
				8	5.28	4.06	4.54	4.30	10.59	
			52T	37	7.28	6.47	5.39	6.35	12.44	
				38	7.12	6.99	6.20	5.94	12.61	
				40	6.81	6.47	5.97	5.81	12.30	
			106T	53	10.09	10.13	8.90	9.40	15.68	
				54	10.20	10.14	8.94	9.12	15.66	
			242T	61	13.18	12.93	11.76	12.30	18.60	
			SU	-	14.07	14.09	12.74	13.13	19.57	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE40	54	5270	26T	0	5.38	4.85	2.06	5.51	10.67	23.98
				9	4.75	5.77	3.39	4.65	10.74	
				17	4.46	4.81	4.72	4.88	10.74	
			52T	37	7.49	6.46	5.16	7.21	12.69	
				41	6.55	7.10	6.01	6.94	12.69	
				44	6.36	6.98	5.83	6.34	12.42	
			106T	53	7.79	7.42	6.61	8.26	13.58	
				54	7.39	7.41	6.46	7.81	13.32	
				56	7.22	7.39	6.17	7.74	13.19	
			242T	61	8.42	8.25	7.51	8.92	14.32	
				62	8.49	8.65	7.59	8.87	14.45	
			484T	65	9.39	9.62	8.26	9.91	15.36	
			SU	-	9.84	9.98	8.50	10.18	15.69	
	62	5310	26T	0	5.31	4.50	2.85	4.52	10.40	23.98
				9	4.77	5.10	3.82	4.51	10.60	
				17	4.72	4.45	4.69	4.52	10.62	
			52T	37	6.25	5.81	4.44	5.96	11.69	
				41	5.80	5.60	5.27	5.80	11.64	
				44	5.40	5.96	4.83	5.44	11.45	
			106T	53	5.74	5.44	4.97	6.03	11.58	
				54	5.66	5.66	4.79	5.92	11.55	
				56	5.66	5.99	4.74	5.70	11.57	
			242T	61	6.81	6.68	6.03	6.90	12.64	
				62	6.80	6.89	6.04	6.64	12.63	
			484T	65	7.41	7.41	6.36	7.43	13.20	
			SU	-	7.99	7.74	6.83	7.69	13.60	
HE80	58	5290	26T	0	5.01	5.02	2.23	4.34	10.31	23.98
				18	5.56	4.91	2.65	5.69	10.88	
				36	4.45	4.65	4.25	4.17	10.40	
			52T	37	6.90	5.96	4.74	6.56	12.14	
				45	6.70	6.81	5.14	6.80	12.44	
				52	5.90	6.64	5.56	6.10	12.09	
			106T	53	8.64	8.03	7.36	8.90	14.29	
				57	8.58	8.50	7.80	8.52	14.38	
				60	8.27	8.96	7.36	8.51	14.33	
			242T	61	9.52	9.21	8.18	9.67	15.20	
				62	9.29	9.19	8.20	9.62	15.13	
				64	9.59	9.72	8.64	9.37	15.37	
			484T	65	10.45	10.36	9.10	10.67	16.21	
				66	10.41	10.89	9.45	10.50	16.36	
			996T	67	11.67	11.78	10.41	11.70	17.45	
			SU	-	12.66	12.54	11.05	12.38	18.22	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

PPSD Results

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Meas PPSD [dBm/100kHz]				Corr'd PPSD [dBm/MHz]	PPSD Limit [dBm/MHz]
					ANT1	ANT2	ANT3	ANT4		
HE20	52	5260	26T	0	-6.43	-6.99	-10.08	-6.25	8.82	9.01
				4	-7.23	-6.58	-9.07	-5.98	8.95	
				8	-7.67	-7.01	-7.75	-6.40	8.85	
			SU	-	-7.66	-7.13	-9.18	-6.55	8.49	
	60	5300	26T	0	-7.25	-6.90	-9.49	-6.75	8.55	
				4	-7.23	-6.83	-7.86	-6.56	8.93	
				8	-7.62	-6.52	-7.17	-7.09	8.94	
			SU	-	-7.51	-6.61	-8.82	-7.16	8.57	
	64	5320	26T	0	-6.99	-6.82	-8.24	-6.51	8.93	
				4	-7.28	-6.68	-7.96	-6.62	8.92	
				8	-7.28	-6.96	-7.42	-7.85	8.66	
			SU	-	-7.39	-6.37	-8.95	-6.93	8.71	
HE40	54	5270	26T	0	-6.61	-6.72	-8.44	-7.41	8.78	
				9	-7.30	-7.03	-8.69	-7.63	8.40	
				17	-6.86	-7.53	-7.80	-6.32	8.93	
			SU	-	-13.76	-13.10	-15.43	-13.38	2.19	
	62	5310	26T	0	-6.71	-7.10	-8.81	-8.03	8.43	
				9	-8.00	-7.46	-8.40	-8.70	7.91	
				17	-7.42	-6.87	-7.90	-6.72	8.82	
			SU	-	-16.26	-15.23	-17.95	-15.72	-0.16	
HE80	58	5290	26T	0	-7.73	-8.37	-9.10	-8.76	7.56	
				18	-7.26	-6.93	-8.28	-6.83	8.73	
				36	-7.73	-7.16	-8.35	-7.01	8.49	
			SU	-	-14.72	-13.62	-16.42	-14.33	1.36	

* Calculation of PPSD result :
Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Ant3 PPSD + Ant4 PPSD + Duty CF + Corr'd factor [dB]

10.2.8. 802.11ax 4Tx (MIMO) MODE 5.5 GHz BAND

Bandwidth and Antenna Gain, Limits

Mode	Channel	Frequency [MHz]	Directional Gain For Power [dBi]	Directional Gain For PSD [dBi]	Power Limit [dBm]	PPSD Limit [dBm/MHz]
HE20	100	5500	1.94	7.96	23.10	9.04
	120	5600			23.56	
	140	5700			23.27	
HE40	102	5510			23.98	
	118	5590			23.98	
	134	5670			23.98	
HE80	106	5530			23.98	
	122	5610			23.98	
HE160	114	5570			23.98	

Included in Calculations of Corr'd [Power & PPSD]				
Duty Cycle CF [dB]	HE20	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		SU	-	dB
	HE40	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		SU	-	dB
	HE80	26T	-	dB
		52T	-	dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		SU	-	dB
	HE160	26T	-	dB
		52T		dB
		106T	-	dB
		242T	-	dB
		484T	-	dB
		996T	-	dB
		996T + 996T	-	dB
		SU	-	dB

Output Power Results

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE20	100	5500	26T	0	4.68	3.95	4.33	5.15	10.57	23.10
				4	4.26	3.38	5.34	4.44	10.43	
				8	3.84	4.07	5.20	4.58	10.48	
			52T	37	6.45	6.15	5.82	6.46	12.25	
				38	6.14	7.06	6.95	5.93	12.57	
				40	5.53	6.20	7.03	5.93	12.23	
			106T	53	9.17	9.61	9.65	8.99	15.38	
				54	8.88	9.38	9.67	9.03	15.27	
			242T	61	10.96	11.33	11.56	11.07	17.26	
			SU	-	12.85	13.02	13.70	12.85	19.14	
	120	5600	26T	0	5.45	3.58	3.88	6.76	11.13	23.56
				4	5.41	3.04	5.41	5.06	10.85	
				8	4.40	4.02	3.91	6.21	10.76	
			52T	37	6.10	6.18	5.46	7.41	12.37	
				38	6.14	7.42	5.78	6.95	12.64	
				40	6.10	6.55	5.66	6.68	12.29	
			106T	53	8.95	9.67	8.43	9.82	15.27	
				54	9.05	9.82	8.82	10.04	15.48	
			242T	61	11.21	11.61	11.18	11.97	17.53	
			SU	-	12.94	13.45	12.73	13.88	19.29	
	140	5700	26T	0	4.17	5.50	2.62	5.47	10.61	23.27
				4	4.90	5.29	2.92	6.37	11.06	
				8	4.92	4.82	2.31	5.61	10.60	
			52T	37	6.97	6.79	4.02	8.09	12.72	
				38	7.55	4.75	4.22	7.78	12.38	
				40	7.66	6.36	4.10	7.69	12.70	
			106T	53	9.76	8.85	7.25	10.51	15.28	
				54	10.06	8.43	6.75	10.47	15.18	
			242T	61	11.88	10.94	9.30	12.68	17.39	
			SU	-	12.05	11.20	9.38	13.04	17.64	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE40	102	5510	26T	0	4.92	2.61	3.11	4.84	10.01	23.98
				9	4.42	1.92	4.99	4.97	10.26	
				17	4.25	3.38	5.81	4.53	10.60	
			52T	37	6.37	5.92	6.19	6.83	12.36	
				41	6.01	5.42	7.29	6.46	12.37	
				44	5.99	5.77	7.79	6.69	12.65	
			106T	53	8.12	7.86	8.99	8.53	14.42	
				54	7.72	7.66	8.90	8.51	14.25	
				56	7.38	7.30	8.74	8.52	14.05	
			242T	61	8.93	8.49	9.73	9.55	15.22	
				62	8.44	8.38	9.91	9.63	15.16	
			484T	65	10.85	10.50	11.83	11.63	17.26	
			SU	-	11.87	11.44	12.78	12.42	18.18	
	118	5590	26T	0	5.47	2.68	3.04	6.18	10.62	23.98
				9	5.06	3.20	5.16	6.23	11.06	
				17	5.06	4.04	5.45	5.92	11.19	
			52T	37	6.39	5.23	5.53	7.04	12.13	
				41	5.88	5.63	6.29	7.02	12.26	
				44	5.77	7.14	6.61	7.40	12.79	
			106T	53	7.88	7.34	7.92	9.10	14.13	
				54	7.64	7.57	8.17	9.35	14.26	
				56	7.69	8.13	8.39	9.91	14.63	
			242T	61	10.15	9.61	10.27	11.52	16.47	
				62	9.81	10.09	10.44	11.92	16.67	
			484T	65	12.96	12.73	13.28	14.75	19.53	
			SU	-	13.97	13.90	14.19	15.69	20.52	
	134	5670	26T	0	4.45	4.86	1.99	6.38	10.71	23.98
				18	5.31	1.81	3.19	7.15	10.86	
				36	5.76	4.95	2.28	6.43	11.13	
			52T	37	6.40	6.82	4.52	7.69	12.52	
				45	6.71	4.23	4.51	7.93	12.14	
				52	7.33	4.86	3.91	7.96	12.35	
			106T	53	8.41	8.04	6.17	9.30	14.14	
				57	8.72	8.23	6.29	9.67	14.41	
				60	9.07	8.64	6.11	9.73	14.60	
			242T	61	10.56	10.28	8.49	11.82	16.47	
				62	11.19	10.79	8.56	11.96	16.82	
			484T	65	13.91	13.65	11.28	14.83	19.62	
			SU	-	14.88	14.56	12.41	15.88	20.63	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE80	106	5530	26T	0	5.14	1.55	3.89	4.71	10.04	23.98
				18	3.67	2.45	5.98	4.58	10.38	
				36	2.69	2.40	5.40	4.02	9.82	
			52T	37	6.54	5.26	5.94	6.16	12.02	
				45	5.88	5.53	6.50	6.92	12.26	
				52	4.99	5.53	7.44	6.52	12.24	
			106T	53	8.12	7.84	8.34	8.07	14.12	
				57	7.95	7.73	9.06	8.84	14.45	
				60	7.10	7.54	9.10	9.00	14.29	
			242T	61	8.96	8.68	9.60	9.25	15.16	
				62	8.86	8.88	9.98	9.81	15.43	
				64	7.99	8.27	9.98	9.52	15.04	
			484T	65	10.22	9.99	11.24	10.65	16.57	
				66	9.57	9.68	11.36	11.11	16.53	
			996T	67	11.42	11.43	12.70	12.67	18.12	
			SU	-	13.01	12.65	14.04	13.92	19.47	
	122	5610	26T	0	5.29	2.81	0.44	5.57	10.00	23.98
				18	3.96	2.73	4.99	5.32	10.38	
				36	3.91	3.33	4.48	5.75	10.48	
			52T	37	6.47	5.29	4.83	7.06	12.02	
				45	5.63	6.25	5.29	7.51	12.28	
				52	8.22	7.34	6.48	8.14	13.62	
			106T	53	8.28	7.34	7.24	9.05	14.06	
				57	7.22	7.77	7.46	9.40	14.07	
				60	7.26	8.24	7.96	9.97	14.50	
			242T	61	9.71	8.93	8.72	10.53	15.55	
				62	8.84	8.38	8.55	10.21	15.08	
				64	8.20	8.86	9.23	10.80	15.40	
			484T	65	10.51	9.94	9.69	11.51	16.49	
				66	9.35	9.71	10.06	11.88	16.39	
			996T	67	11.63	11.38	11.79	13.43	18.16	
			SU	-	12.77	12.45	12.78	14.45	19.21	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE 160	114	5570	26T	0	6.32	1.73	2.56	5.38	10.43	23.98
				37	4.23	3.42	4.88	5.02	10.45	
				73	3.76	2.49	5.78	5.96	10.75	
			52T	74	7.48	6.48	5.48	6.86	12.65	
				89	6.07	5.93	6.59	6.96	12.43	
				105	4.86	5.67	7.56	7.71	12.64	
			106T	106	8.19	7.47	7.06	7.52	13.60	
				113	7.33	6.78	6.89	8.12	13.33	
				121	5.20	7.18	7.34	8.76	13.32	
			242T	122	8.96	7.94	7.46	8.39	14.24	
				125	8.46	7.76	8.16	9.24	14.46	
				129	6.41	7.79	8.83	9.75	14.39	
			484T	130	9.76	9.09	9.43	10.39	15.71	
				131	9.25	8.51	9.14	10.00	15.28	
				133	7.39	8.22	9.21	10.35	14.95	
			996T	134	10.73	9.77	10.31	11.07	16.52	
				135	9.56	9.92	10.93	12.12	16.77	
			996T + 996T	136	11.76	11.51	12.09	13.19	18.21	
			SU	-	12.87	12.48	13.20	14.14	19.24	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

PPSD Results

Actual RBW	Ref. Bandwidth	Corr'd factor
100 kHz	1000 kHz	10.00 dB

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Meas PPSD [dBm/100kHz]				Corr'd PPSD [dBm/MHz]	PPSD Limit [dBm/MHz]
					ANT1	ANT2	ANT3	ANT4		
HE20	100	5500	26T	0	-8.30	-7.23	-6.90	-6.64	8.80	9.04
				4	-8.28	-7.79	-6.42	-7.10	8.68	
				8	-8.86	-7.88	-6.85	-7.19	8.39	
			SU	-	-8.75	-8.12	-8.02	-6.78	8.16	
	120	5600	26T	0	-7.11	-7.45	-8.04	-6.05	8.92	
				4	-7.25	-7.18	-8.55	-5.95	8.89	
				8	-7.54	-7.92	-8.82	-5.16	8.89	
			SU	-	-8.06	-7.69	-9.19	-6.02	8.43	
	140	5700	26T	0	-8.07	-6.69	-10.18	-5.33	8.81	
				4	-6.40	-7.59	-10.13	-5.92	8.79	
				8	-7.25	-7.15	-10.48	-6.45	8.44	
			SU	-	-8.83	-9.12	-11.83	-8.69	6.57	
HE40	102	5510	26T	0	-7.00	-7.93	-8.14	-5.71	8.93	
				9	-8.08	-8.34	-8.53	-6.45	8.25	
				17	-7.36	-6.93	-8.29	-7.20	8.61	
			SU	-	-12.28	-11.69	-12.09	-10.54	4.43	
	118	5590	26T	0	-6.48	-8.41	-7.33	-6.51	8.91	
				9	-7.45	-8.75	-8.48	-6.29	8.39	
				17	-6.85	-7.66	-7.85	-7.64	8.54	
			SU	-	-9.74	-9.26	-10.86	-8.45	6.53	
	134	5670	26T	0	-6.74	-7.24	-9.12	-6.31	8.79	
				9	-6.16	-8.18	-9.95	-5.53	8.90	
				17	-6.01	-7.83	-9.31	-6.60	8.76	
			SU	-	-8.77	-9.55	-12.10	-8.29	6.57	

* Calculation of PPSD result :
Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Ant3 PPSD + Ant4 PPSD + Duty CF + Corr'd factor [dB]

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Meas PPSD [dBm/100kHz]				Corr'd PPSD [dBm/MHz]	PPSD Limit [dBm/MHz]
					ANT1	ANT2	ANT3	ANT4		
HE80	106	5530	26T	0	-7.74	-9.84	-8.24	-6.62	8.06	9.04
				18	-9.15	-9.61	-8.35	-7.66	7.39	
				36	-9.21	-9.41	-8.96	-9.07	6.86	
			SU	-	-14.23	-13.97	-14.37	-12.55	2.30	
	122	5610	26T	0	-6.93	-6.69	-8.11	-6.99	8.88	
				18	-8.29	-7.93	-9.44	-7.19	7.88	
				36	-7.79	-6.93	-8.80	-7.75	8.25	
			SU	-	-14.04	-13.86	-15.93	-12.50	2.10	
HE 160	114	5570	26T	0	-6.25	-7.24	-8.23	-7.44	8.79	
				37	-7.10	-7.56	-8.76	-6.85	8.51	
				73	-7.30	-6.85	-7.91	-7.45	8.66	
			SU	-	-16.20	-15.90	-16.81	-14.46	0.27	

* Calculation of PPSD result :
Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Ant3 PPSD + Ant4 PPSD + Duty CF + Corr'd factor [dB]

10.2.9.802.11ax 4Tx (MIMO) MODE STRADDLE CHANNEL

Bandwidth and Antenna Gain, Limits

Frequency [MHz]	Portion	Directional Gain		Power Limit [dBm]	PPSD Limit
		For Power [dBi]	For PSD [dBi]		
5720(HE20)	UNII-2C	1.94	7.96	22.59	9.04 [dBm/MHz]
	UNII-3	1.86	7.88	30	30 [dBm/500kHz]
5710(HE40)	UNII-2C	1.94	7.96	23.98	9.04 [dBm/MHz]
	UNII-3	1.86	7.88	30	30 [dBm/500kHz]
5690(HE80)	UNII-2C	1.94	7.96	23.98	9.04 [dBm/MHz]
	UNII-3	1.86	7.88	30	30 [dBm/500kHz]

Included in Calculations of Corr'd Power & PPSD				
Duty Cycle CF [dB]	HE20	26T	-	dB
		SU	-	dB
	HE40	26T	-	dB
		SU	-	dB
	HE80	26T	-	dB
		SU	-	dB

Output Power Results

Freq. [MHz]	Portion	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
				ANT1	ANT2	ANT3	ANT4		
5720	UNII-2C	26T	4	4.71	4.50	0.94	4.61	9.96	22.59
		SU	-	10.10	9.58	6.77	10.01	15.33	
	UNII-3	26T	4	-19.25	-20.76	-24.02	-19.04	-14.35	30
		SU	-	5.00	4.48	1.45	4.96	10.21	
5710	UNII-2C	26T	9	3.10	2.31	-0.83	4.22	8.58	23.98
		SU	-	12.31	11.85	8.94	12.44	17.61	
	UNII-3	26T	9	-27.32	-23.76	-30.45	-23.53	-19.43	30
		SU	-	3.03	2.53	-0.76	3.03	8.23	
5690	UNII-2C	26T	18	1.57	3.15	-0.94	1.79	7.65	23.98
		SU	-	11.24	10.99	8.53	11.45	16.72	
	UNII-3	26T	18	-32.51	-27.22	-35.11	-28.81	-23.89	30
		SU	-	-1.67	-1.74	-5.46	-1.16	3.80	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

PPSD Results

Band	Actual RBW	Ref. Bandwidth	Corr'd factor
UNII-2C	100 kHz	1000 kHz	10.00 dB
UNII-3	100 kHz	500 kHz	6.99 dB

Freq. [MHz]	Portion	Tones	RU offset	Meas PPSD [dBm/MHz]				Corr'd PPSD [dBm]	PPSD Limit [dBm/ MHz]
				ANT1	ANT2	ANT3	ANT4		
5720	UNII-2C	26T	4	-6.41	-7.41	-10.60	-6.30	8.64	9.04
		SU	-	-9.24	-10.29	-12.84	-9.68	5.71	
	UNII-3	26T	4	-22.25	-27.12	-29.97	-25.52	-12.33	30
		SU	-	-8.85	-10.31	-13.21	-9.51	2.83	
5710	UNII-2C	26T	9	-7.54	-8.79	-11.59	-6.26	7.88	9.04
		SU	-	-9.53	-10.52	-13.20	-9.42	5.59	
	UNII-3	26T	9	-31.45	-28.29	-30.59	-26.58	-15.79	30
		SU	-	-9.90	-10.34	-14.28	-10.32	2.11	
5690	UNII-2C	26T	18	-9.11	-8.17	-11.99	-8.41	6.83	9.04
		SU	-	-13.76	-14.40	-16.67	-13.54	1.59	
	UNII-3	26T	18	-36.10	-30.77	-37.10	-31.45	-20.01	30
		SU	-	-14.95	-15.19	-19.04	-14.82	-2.69	

Note: * For UNII-3, the unit of PPSD is [dBm/500kHz].
Calculation of PPSD result :
Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Ant3 PPSD + Ant4 PPSD + Duty CF + Corr'd factor [dB]

10.2.10. 802.11ax 4Tx (MIMO) MODE 5.8 GHz BAND

Bandwidth and Antenna Gain, Limits

Mode	Channel	Frequency [MHz]	Directional Gain For Power [dBi]	Directional Gain For PSD [dBi]	Power Limit [dBm]	PPSD Limit [dBm/500kHz]
HE20	149	5745	1.86	7.88	30	30
	157	5785				
	165	5825				
HE40	151	5755				
	159	5795				
HE80	155	5775				

Included in Calculations of Corr'd [Power & PPSD]				
Duty Cycle CF [dB]	HE20	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		SU	0.00	dB
	HE40	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		SU	0.00	dB
	HE80	26T	0.00	dB
		52T	0.00	dB
		106T	0.00	dB
		242T	0.00	dB
		484T	0.00	dB
		996T	0.00	dB
		SU	0.00	dB

Output Power Results

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE20	149	5745	26T	0	12.58	11.77	11.67	12.35	18.13	30
				4	12.75	12.28	11.45	13.13	18.47	
				8	12.78	11.90	10.51	12.79	18.11	
			52T	37	16.26	14.52	13.94	16.31	21.40	
				38	16.35	14.90	12.83	16.87	21.52	
				40	15.85	15.25	13.11	16.34	21.32	
			106T	53	17.42	16.11	15.23	17.66	22.74	
				54	17.42	16.20	14.74	17.82	22.72	
			242T	61	17.91	16.72	15.66	18.36	23.31	
			SU	-	18.21	17.10	15.91	18.85	23.68	
	157	5785	26T	0	14.67	13.99	12.44	14.57	20.02	30
				4	14.88	14.07	12.99	16.06	20.67	
				8	14.72	13.86	11.75	15.82	20.30	
			52T	37	16.28	14.79	13.55	16.46	21.45	
				38	16.36	15.66	13.53	17.02	21.85	
				40	16.13	15.45	12.82	16.13	21.34	
			106T	53	17.29	16.45	14.89	17.85	22.78	
				54	17.34	16.36	14.76	17.96	22.79	
			242T	61	17.95	16.96	15.35	18.53	23.38	
			SU	-	18.15	17.17	15.60	18.78	23.60	
	165	5825	26T	0	14.47	14.33	12.28	15.39	20.28	30
				4	14.69	14.30	12.88	16.02	20.64	
				8	14.41	14.31	11.89	15.40	20.20	
			52T	37	16.02	14.95	13.38	16.52	21.40	
				38	16.22	15.30	13.35	16.74	21.60	
				40	15.85	15.12	13.07	16.24	21.25	
			106T	53	17.18	16.20	14.75	17.99	22.71	
				54	17.10	16.03	14.63	17.85	22.59	
			242T	61	17.67	16.83	15.25	18.58	23.27	
			SU	-	17.91	17.03	15.45	18.69	23.45	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Average Power [dBm]				Corr'd Power [dBm]	Power Limit [dBm]
					ANT1	ANT2	ANT3	ANT4		
HE40	151	5755	26T	0	12.99	11.96	10.26	13.84	18.48	30
				9	12.55	12.65	9.86	13.71	18.42	
				17	13.12	13.33	8.04	13.36	18.46	
			52T	37	15.82	14.40	13.85	16.23	21.21	
				41	15.94	15.33	12.92	16.56	21.41	
				44	16.06	15.25	12.14	16.32	21.24	
			106T	53	15.89	14.81	13.65	16.24	21.28	
				54	15.95	14.94	13.31	16.51	21.36	
				56	16.28	15.38	12.82	16.34	21.44	
			242T	61	16.81	16.01	14.55	17.22	22.28	
				62	16.99	16.42	14.02	17.45	22.42	
			484T	65	17.66	17.18	15.09	18.01	23.14	
			SU	-	18.23	17.53	15.27	18.43	23.55	
	159	5795	26T	0	14.37	13.85	11.84	15.25	20.02	30
				9	14.71	14.52	11.89	15.65	20.42	
				17	14.65	15.03	11.23	14.66	20.15	
			52T	37	15.85	15.01	13.45	16.36	21.32	
				41	15.94	15.04	13.25	16.68	21.43	
				44	15.60	15.20	12.99	16.00	21.11	
			106T	53	16.05	15.23	13.26	16.33	21.39	
				54	16.04	15.28	13.31	16.34	21.41	
				56	15.88	15.32	13.30	16.23	21.34	
			242T	61	16.86	16.47	14.16	17.32	22.38	
				62	16.73	16.32	14.19	17.12	22.25	
			484T	65	17.63	17.22	14.97	18.02	23.13	
			SU	-	18.06	17.35	14.95	18.44	23.41	
HE80	155	5775	26T	0	12.81	11.48	10.16	13.94	18.34	30
				18	12.77	12.47	10.65	12.61	18.22	
				36	13.17	13.41	6.33	12.56	18.13	
			52T	37	13.35	12.02	11.96	14.18	19.00	
				45	13.94	12.60	11.15	14.55	19.27	
				52	14.04	13.66	9.54	14.03	19.18	
			106T	53	14.60	13.67	12.86	15.04	20.14	
				57	15.19	14.63	11.74	15.23	20.43	
				60	15.26	14.65	11.25	15.11	20.35	
			242T	61	15.21	14.31	12.99	15.49	20.62	
				62	15.16	14.50	12.55	15.53	20.60	
				64	15.54	14.86	11.50	15.31	20.59	
			484T	65	15.75	15.22	13.54	16.21	21.31	
				66	16.21	15.46	12.51	16.22	21.36	
			996T	67	17.04	16.25	14.01	17.22	22.32	
			SU	-	17.20	16.34	14.13	17.50	22.50	

* Calculation of Output Power : Average Power = Meas Power + Duty CF[dB]
Corr'd Power = Ant1 Average Power + Ant2 Average Power + Ant3 Average Power + Ant4 Average Power

PPSD Results

Mode	Ch.	Freq. [MHz]	Tones	RU offset	Meas PPSD [dBm/500kHz]				Corr'd PPSD [dBm/ 500kHz]	PPSD Limit [dBm/ 500kHz]
					ANT1	ANT2	ANT3	ANT4		
HE20	149	5745	26T	0	7.22	7.63	4.88	7.89	13.08	30
				4	8.05	7.18	4.42	7.85	13.11	
				8	7.97	7.18	3.93	7.77	13.00	
			SU	-	5.63	3.91	1.15	4.47	10.09	
	157	5785	26T	0	8.10	7.67	4.78	7.58	13.23	
				4	10.61	9.43	6.47	9.66	15.31	
				8	9.92	8.95	5.87	8.83	14.65	
			SU	-	5.85	3.60	1.38	4.46	10.13	
	165	5825	26T	0	9.33	9.32	6.73	9.37	14.84	
				4	10.49	9.54	7.10	9.14	15.25	
				8	9.48	9.57	6.09	8.79	14.71	
			SU	-	5.48	3.86	1.82	4.87	10.23	
HE40	151	5755	26T	0	6.20	6.17	1.76	6.51	11.55	
				9	6.01	5.99	2.00	6.97	11.62	
				17	6.93	6.44	2.76	6.52	11.96	
			SU	-	0.18	-0.66	-4.53	-0.87	4.88	
	159	5795	26T	0	9.22	7.48	3.71	8.90	13.81	
				9	8.56	7.96	4.11	9.05	13.81	
				17	8.84	8.82	5.16	8.01	13.96	
			SU	-	0.24	-0.74	-4.19	-1.22	4.82	
HE80	155	5775	26T	0	5.53	5.72	1.68	6.00	11.06	
				18	5.76	5.55	2.15	5.51	10.99	
				36	6.96	6.48	2.39	5.33	11.63	
			SU	-	-3.06	-4.94	-7.95	-4.55	1.23	

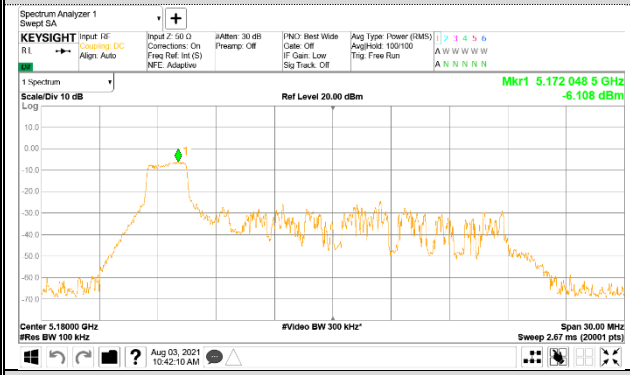
* Calculation of PPSD result :
Corr'd PPSD = Ant1 PPSD + Ant2 PPSD + Ant3 PPSD + Ant4 PPSD + Duty CF

10.2.11. OUTPUT POWER AND PPSD PLOTS(WORST CASE)

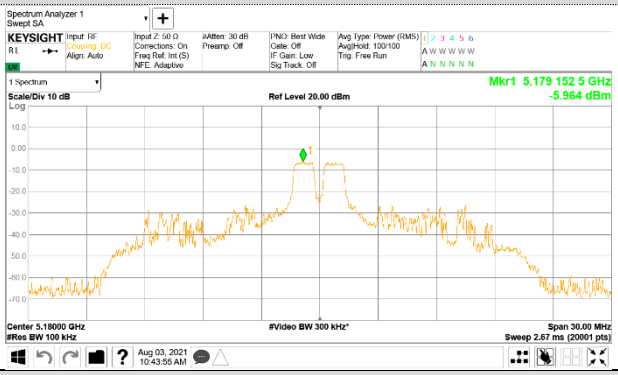
UNII-1 & 2A (1TX)

Band	UNII-1
Mode	HE20

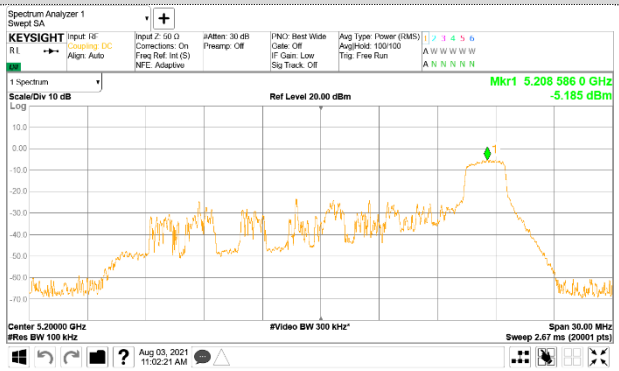
ANT4 / 5180 MHz / 26T / 0RU



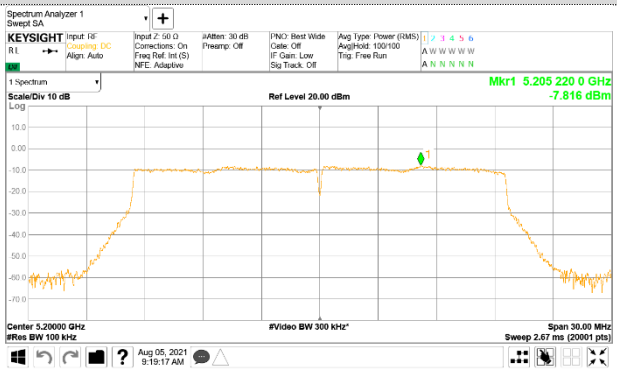
ANT1 / 5180 MHz / 26T / 4RU



ANT4 / 5200 MHz / 26T / 8RU

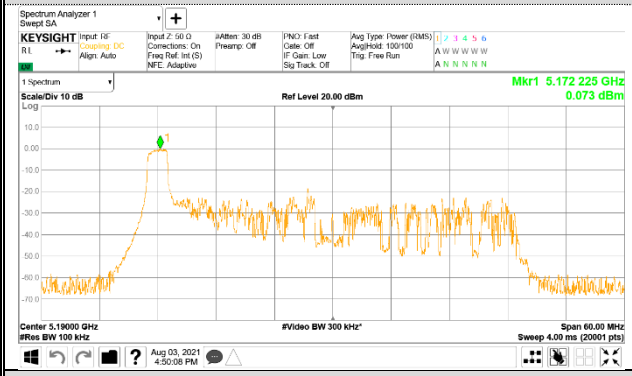


ANT4 / 5200 MHz / SU

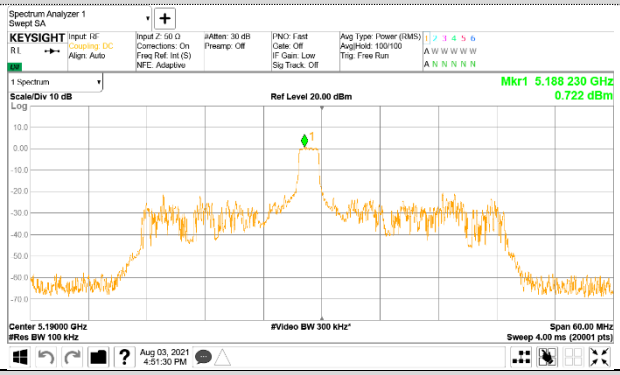


Band	UNII-1
Mode	HE40

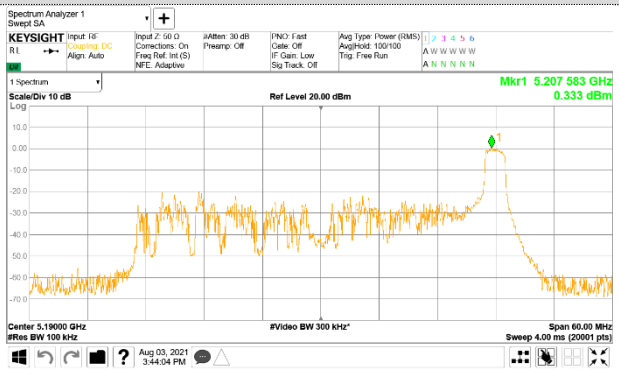
ANT4 / 5190 MHz / 26T / 0RU



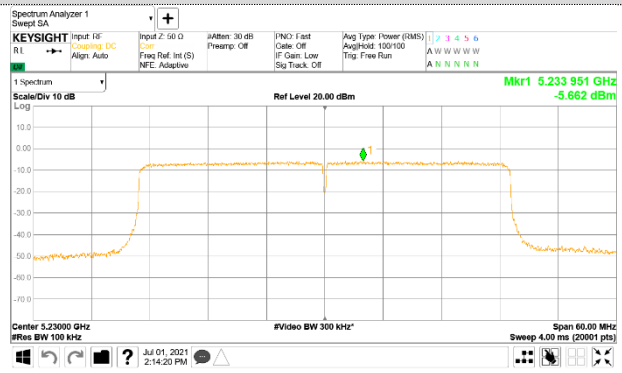
ANT4 / 5190 MHz / 26T / 9RU



ANT3 / 5190 MHz / 26T / 17RU

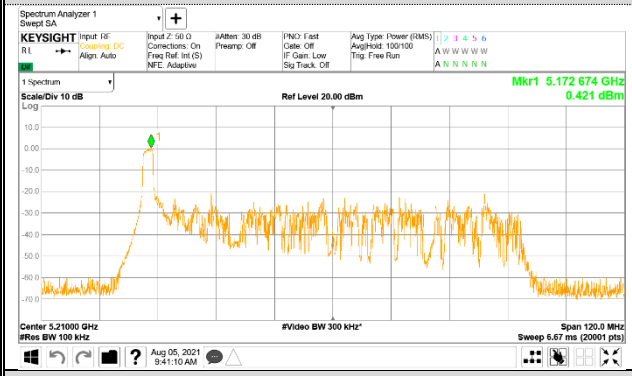


ANT2 / 5230 MHz / SU

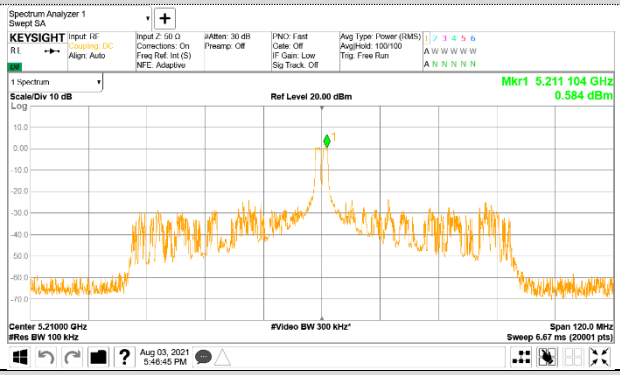


Band	UNII-1
Mode	HE80

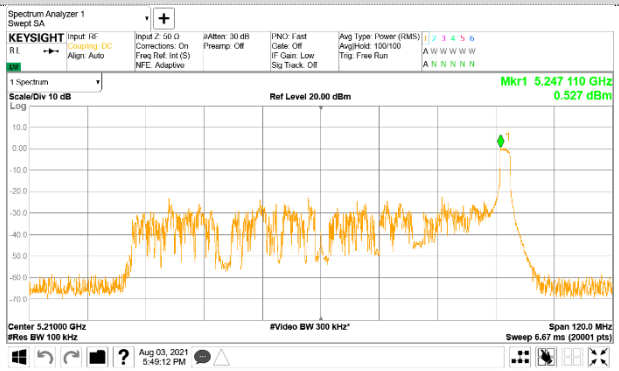
ANT4 / 5210 MHz / 26T / 0RU



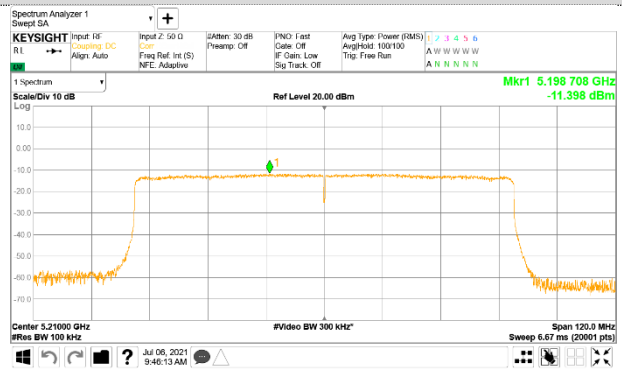
ANT4 / 5210 MHz / 26T / 18RU



ANT4 / 5210 MHz / 26T / 36RU

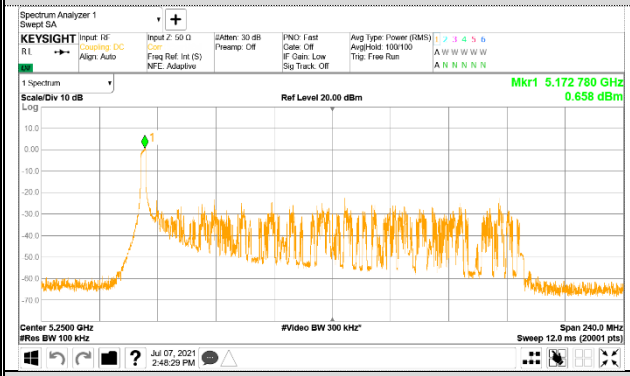


ANT3 / 5210 MHz / SU

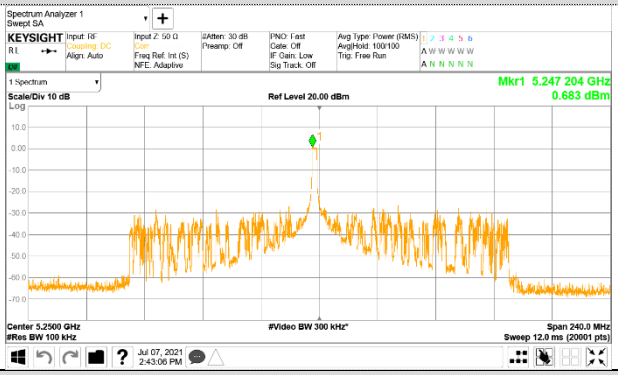


Band	UNII-1 & 2A
Mode	HE160

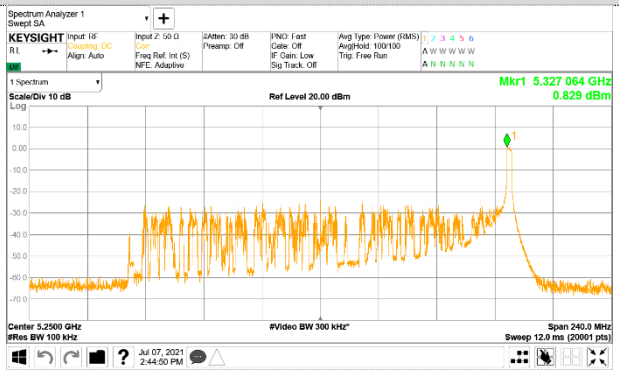
ANT3 / 5250 MHz / 26T / 0RU



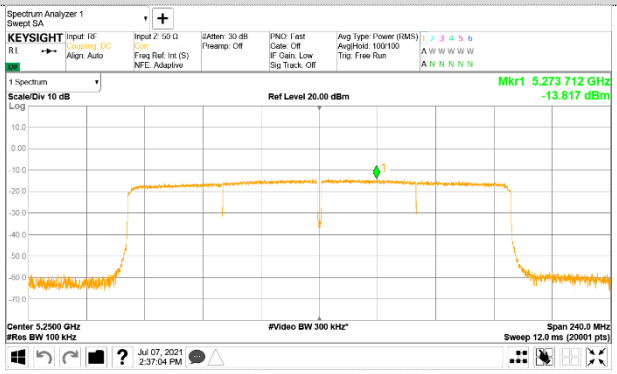
ANT2 / 5250 MHz / 26T / 37RU



ANT2 / 5250 MHz / 26T / 73RU

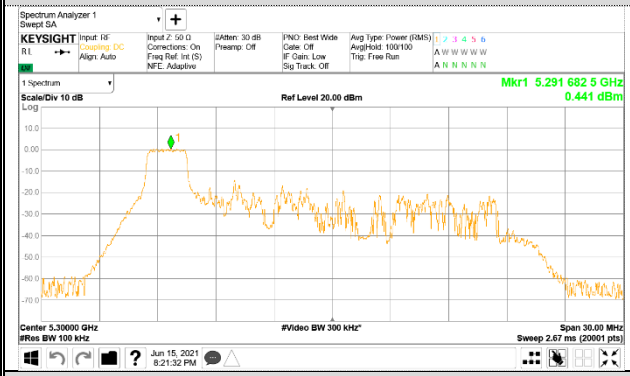


ANT1 / 5250 MHz / SU

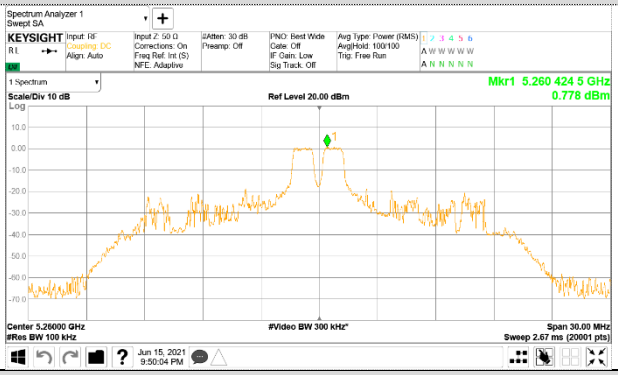


Band	UNII-2A
Mode	HE20

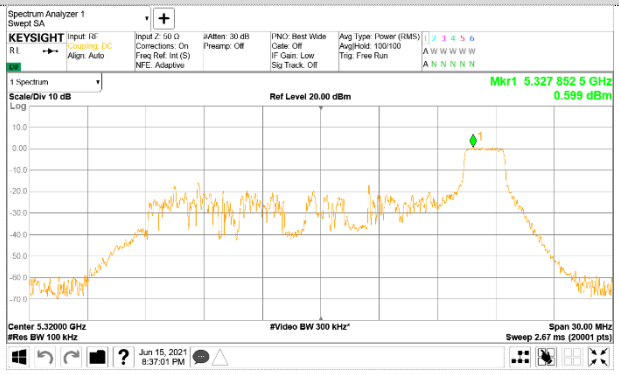
ANT1 / 5300 MHz / 26T / 0RU



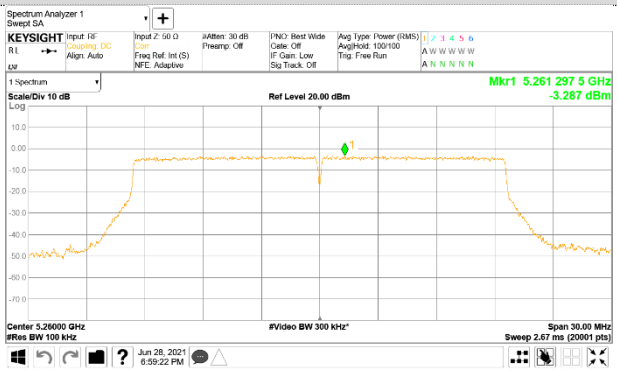
ANT4 / 5260 MHz / 26T / 4RU



ANT1 / 5320 MHz / 26T / 8RU

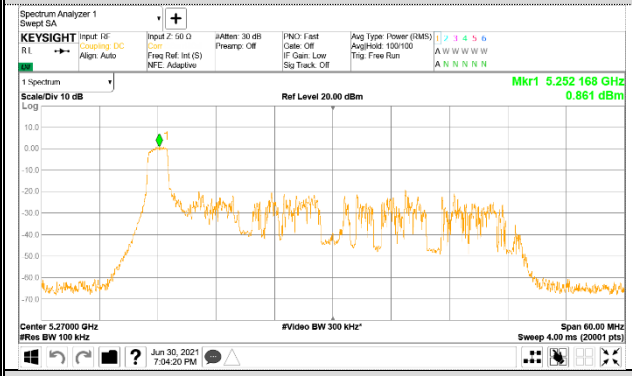


ANT2 / 5260 MHz / SU

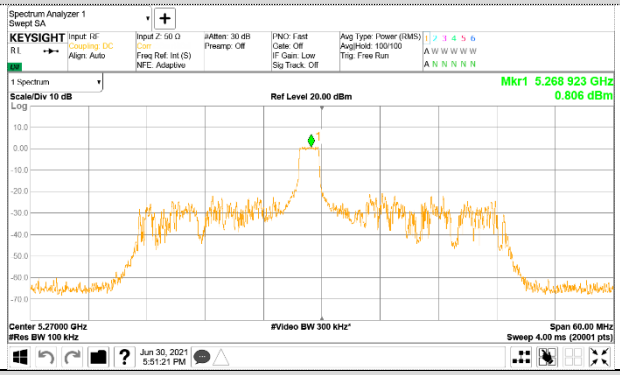


Band	UNII-2A
Mode	HE40

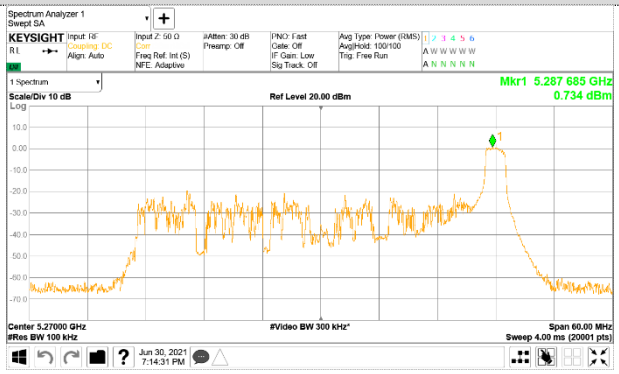
ANT2 / 5270 MHz / 26T / 0RU



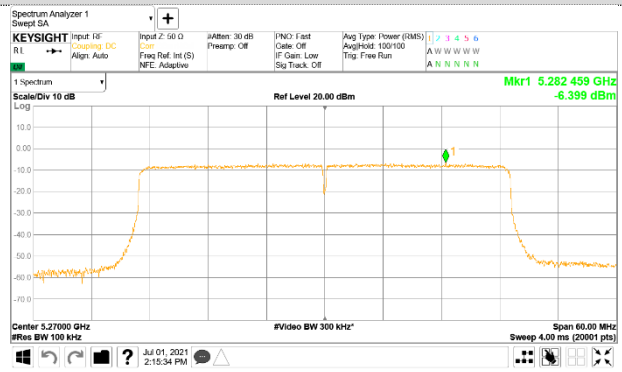
ANT1 / 5270 MHz / 26T / 9RU



ANT2 / 5270 MHz / 26T / 17RU

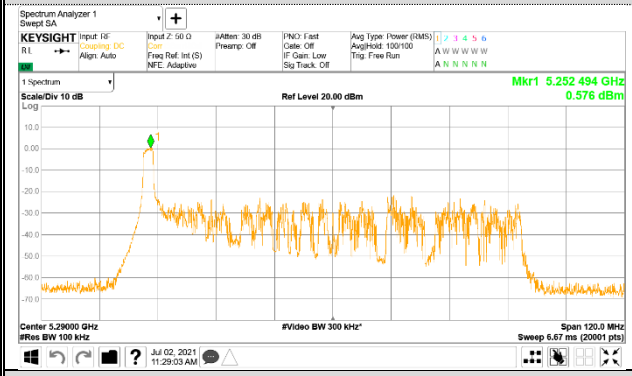


ANT2 / 5270 MHz / SU

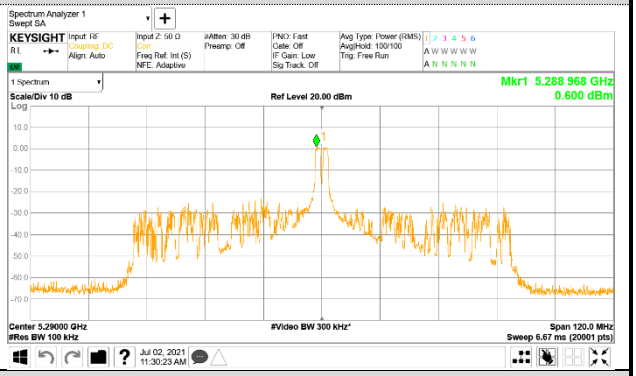


Band	UNII-2A
Mode	HE80

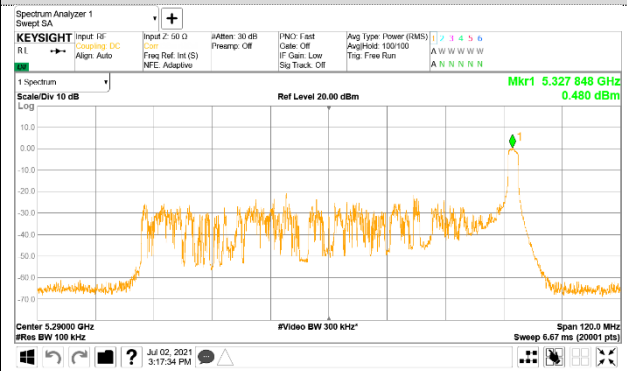
ANT1 / 5290 MHz / 26T / 0RU



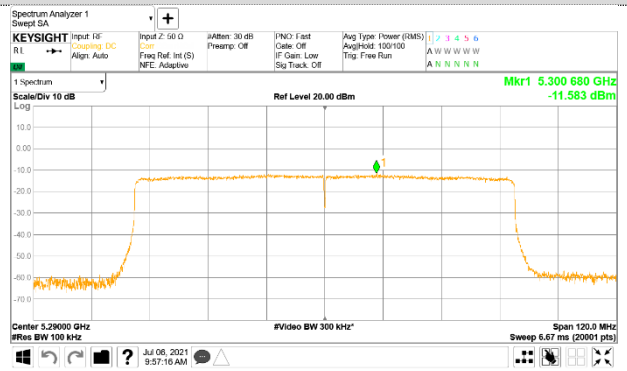
ANT1 / 5290 MHz / 26T / 18RU



ANT4 / 5290 MHz / 26T / 36RU



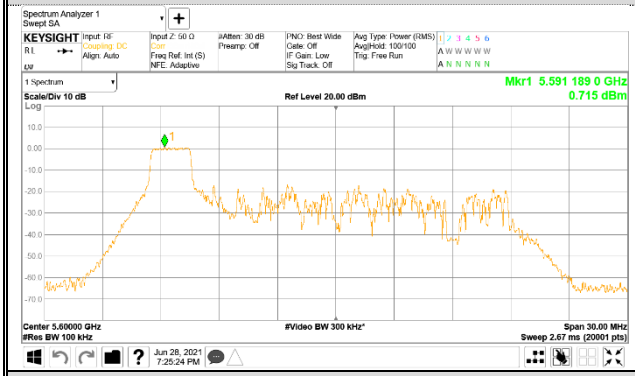
ANT4 / 5290 MHz / SU



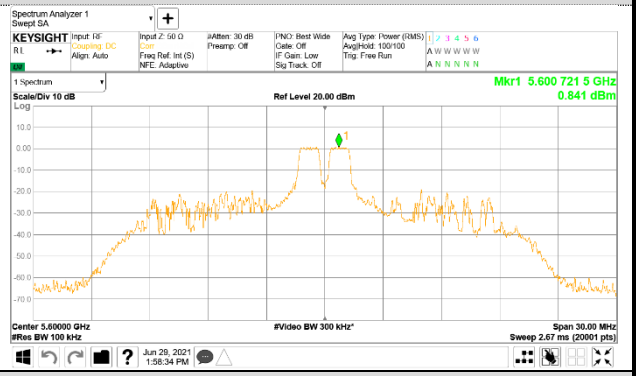
UNII-2C (1TX)

Band	UNII-2C
Mode	HE20

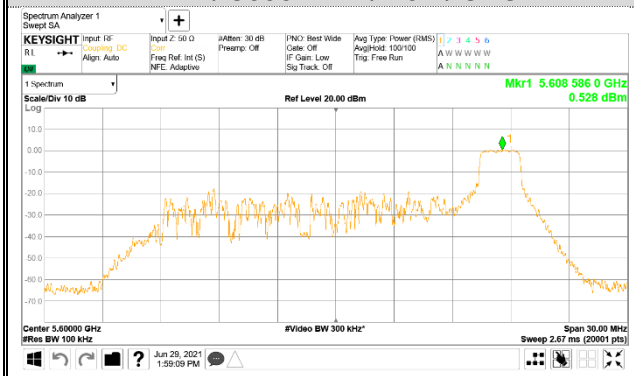
ANT2 / 5600 MHz / 26T / 0RU



ANT2 / 5600 MHz / 26T / 4RU



ANT2 / 5600 MHz / 26T / 8RU



ANT1 / 5700 MHz / SU