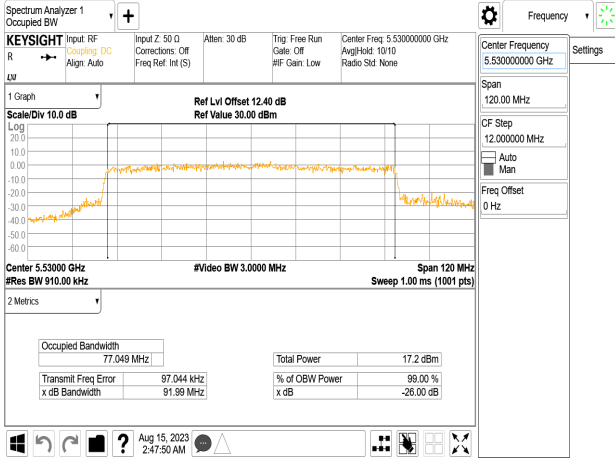
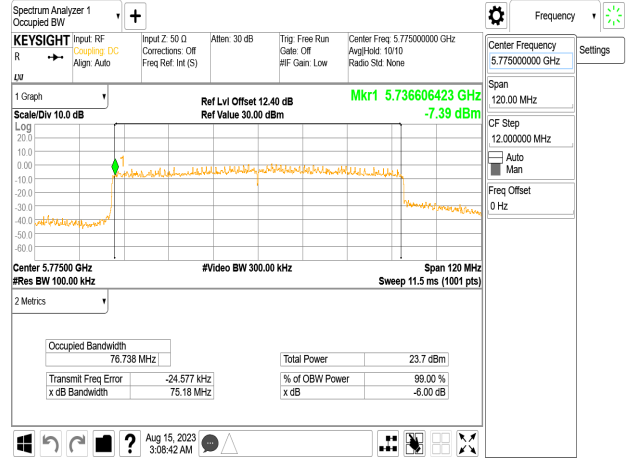


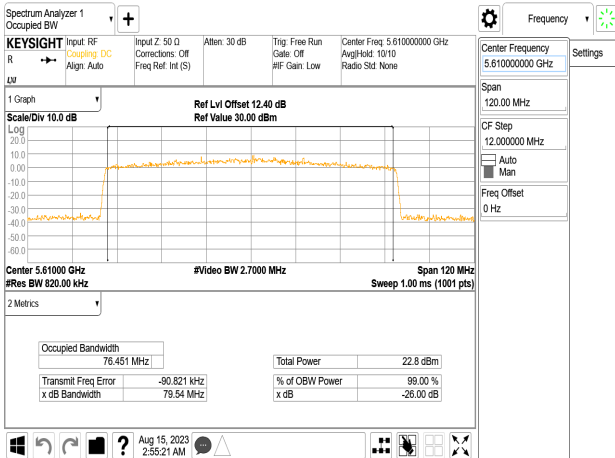
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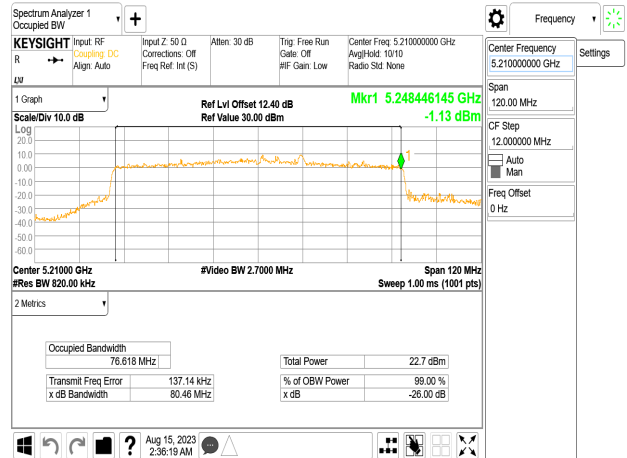
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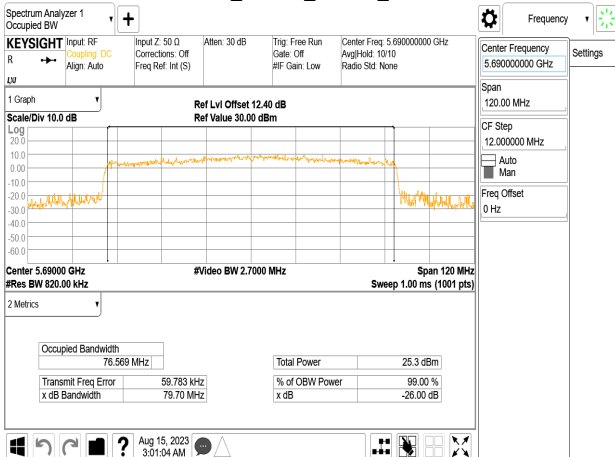
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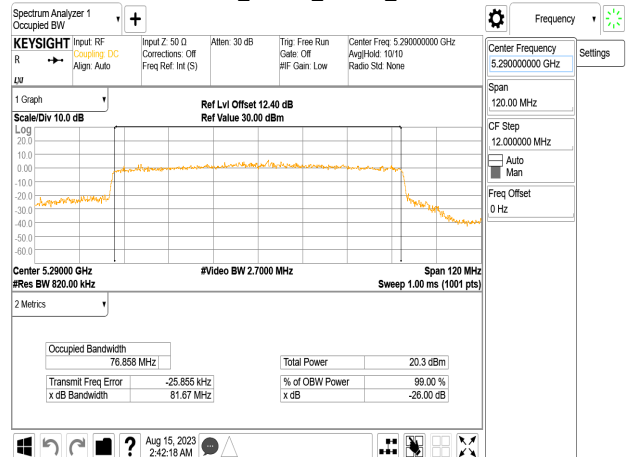
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802.11be\_80MHz\_Chain0\_5690MHz



802.11be\_80MHz\_Chain1\_5290MHz

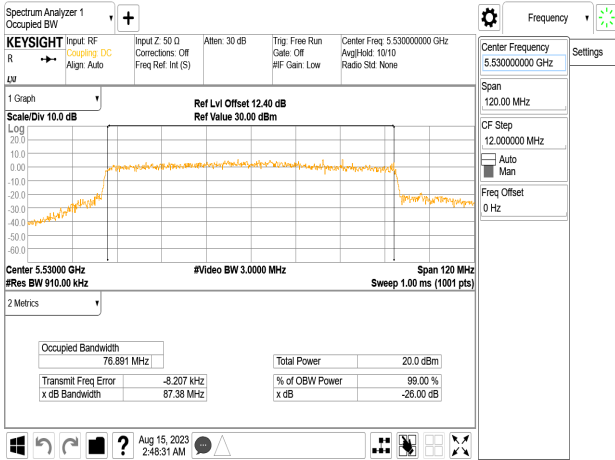


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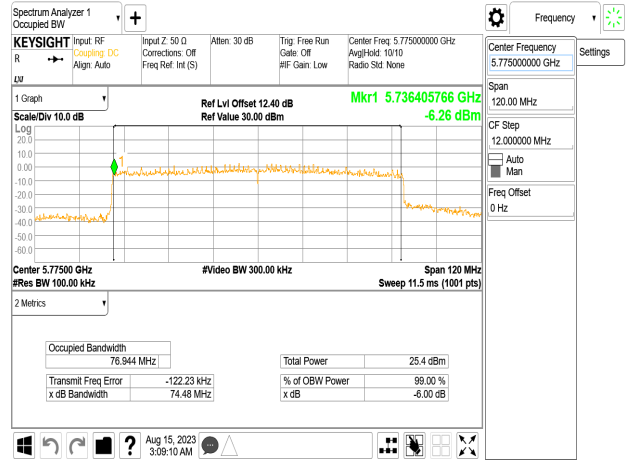
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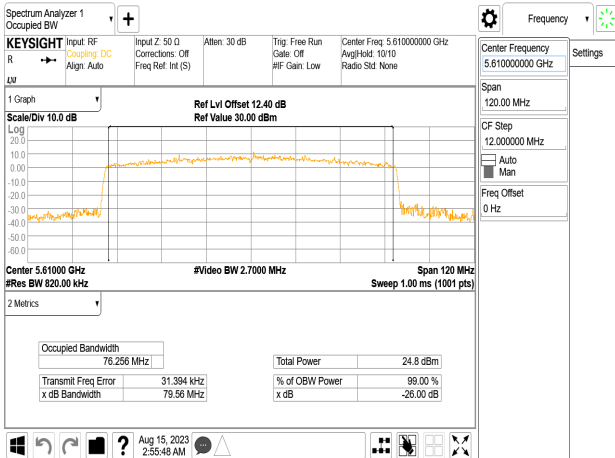
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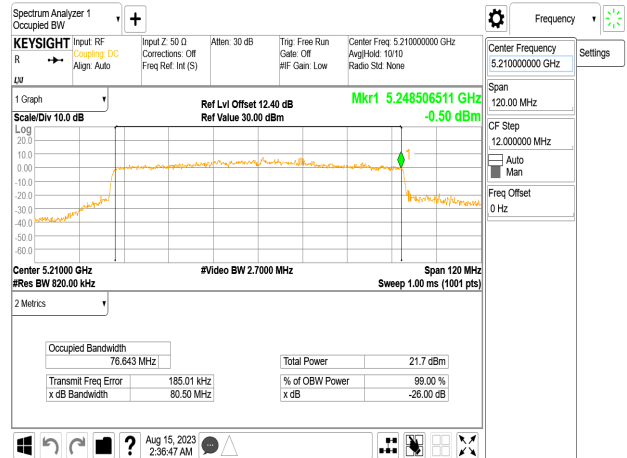
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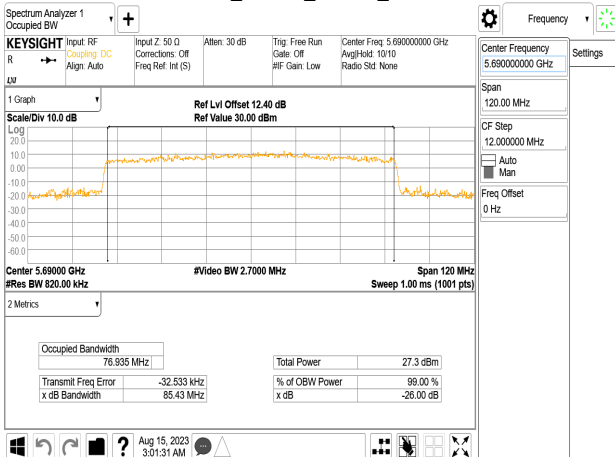
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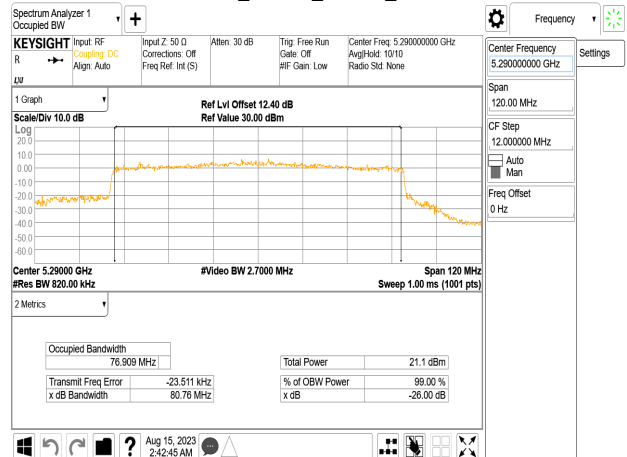
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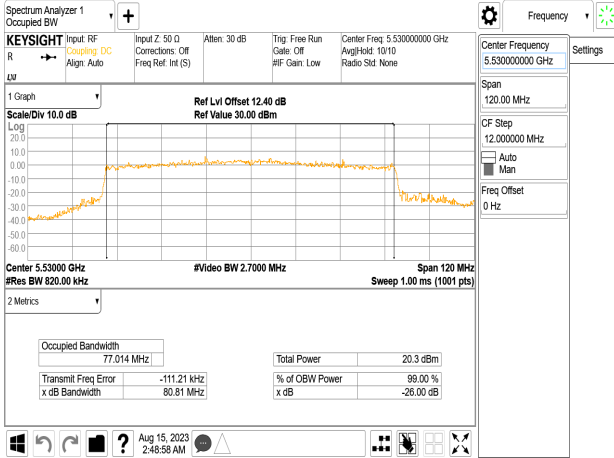


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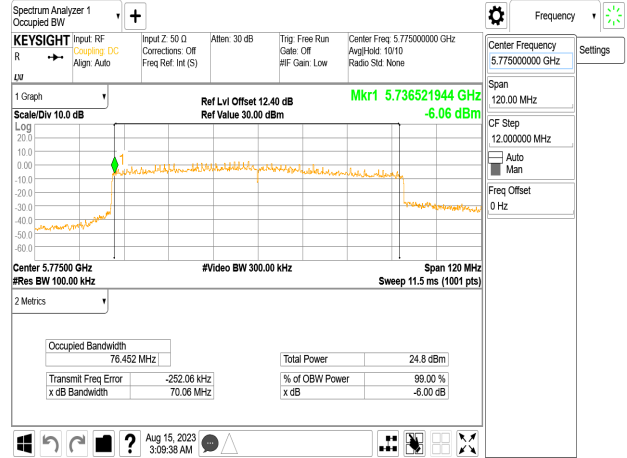
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802.11be\_80MHz\_Chain2\_5530MHz



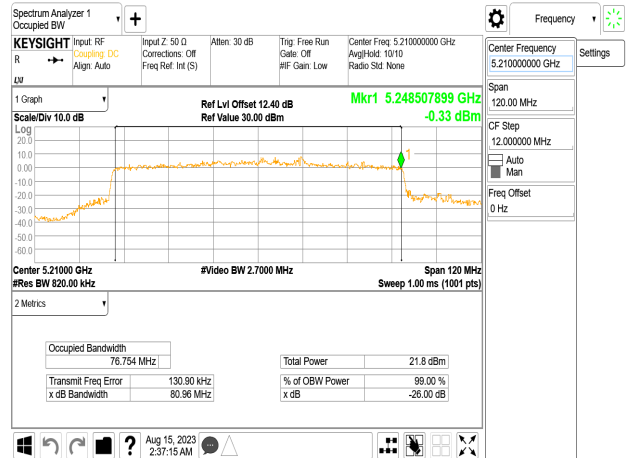
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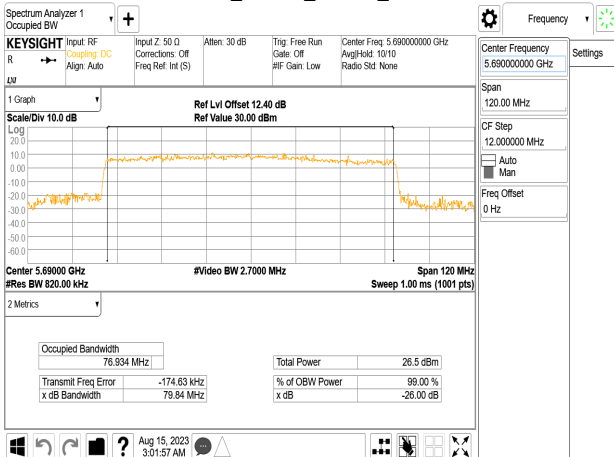
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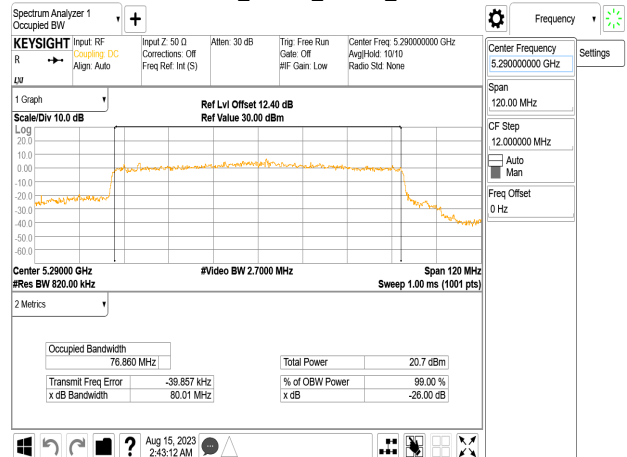
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802.11be\_80MHz\_Chain2\_5690MHz



802.11be\_80MHz\_Chain3\_5290MHz

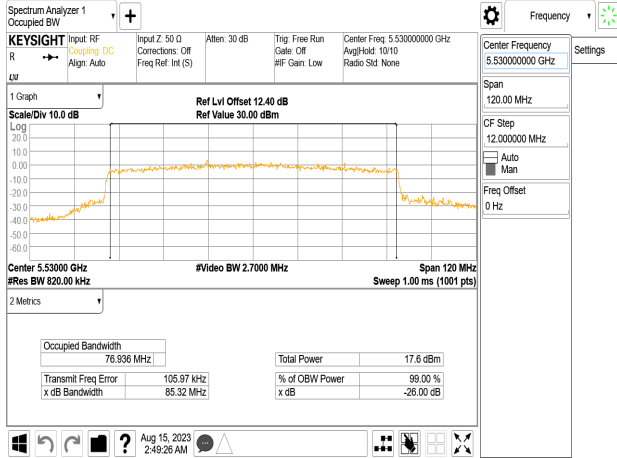


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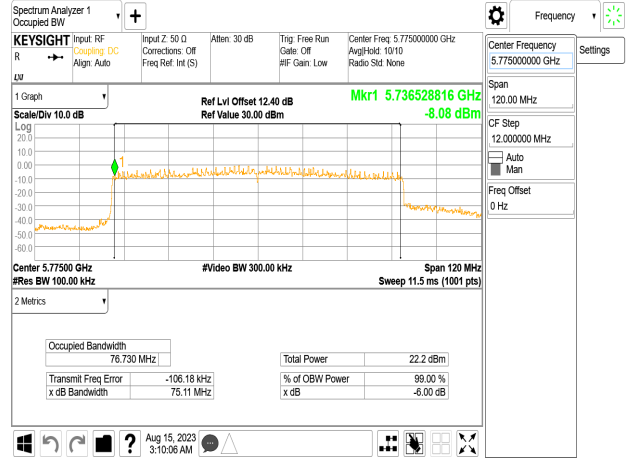
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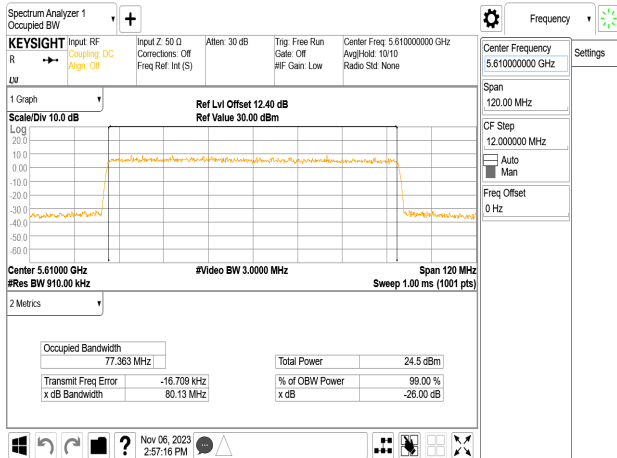
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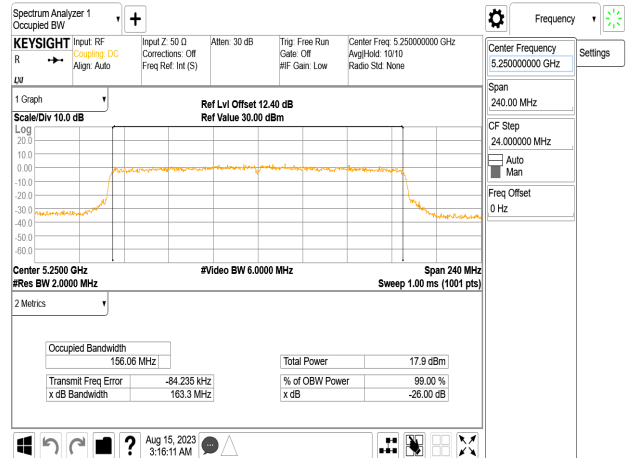
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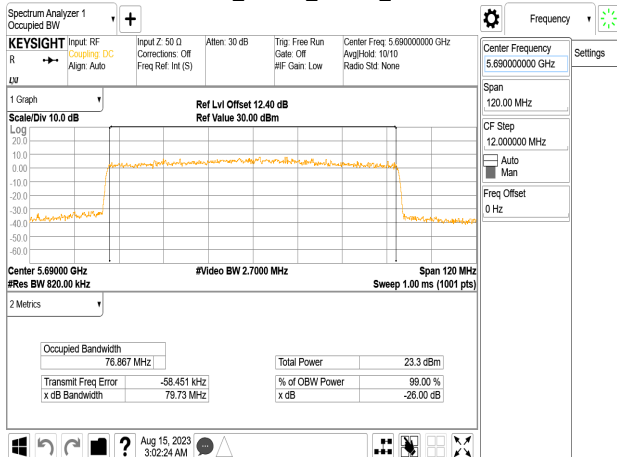
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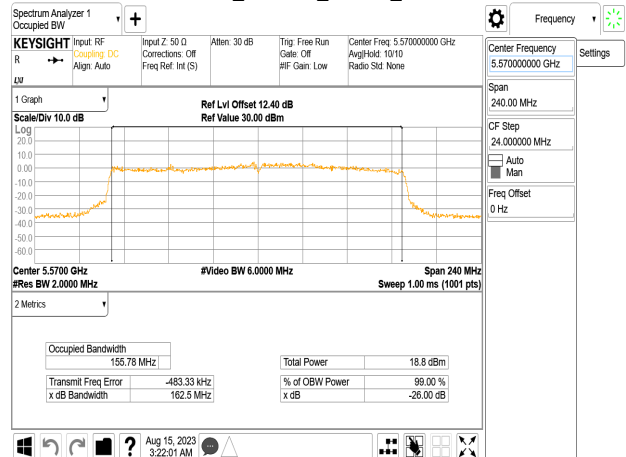
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802.11be\_80MHz\_Chain3\_5690MHz



802.11be\_160MHz\_Chain0\_5570MHz

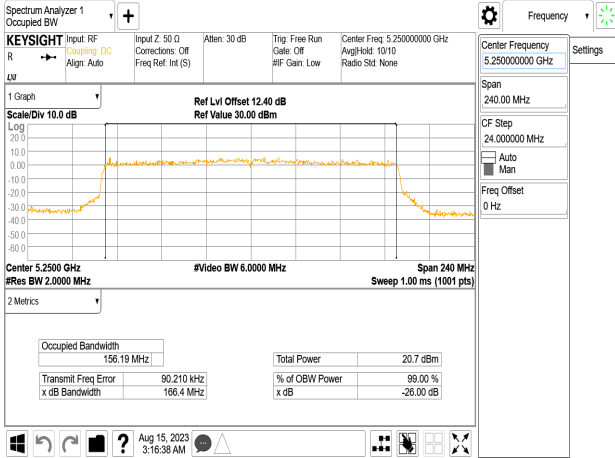


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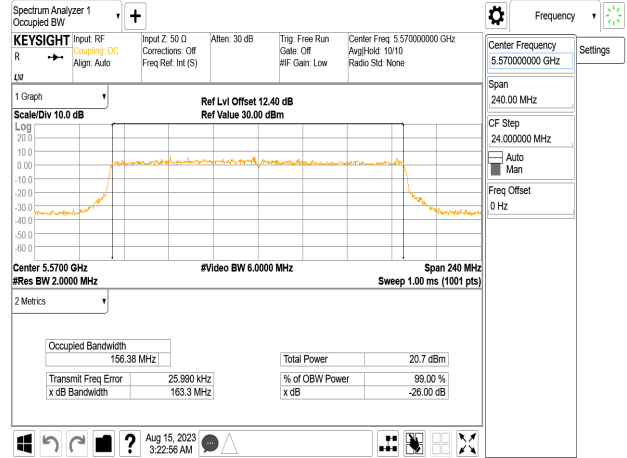
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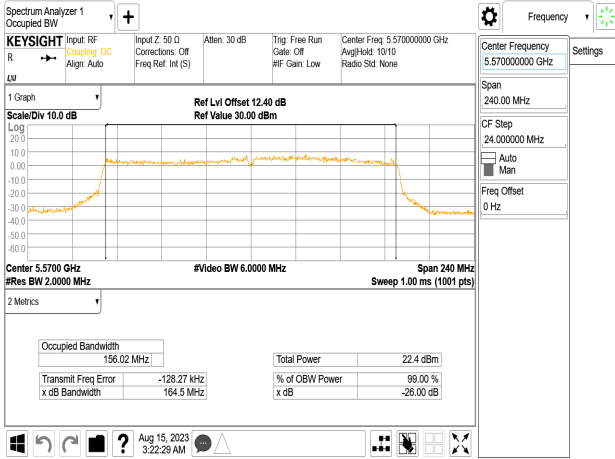
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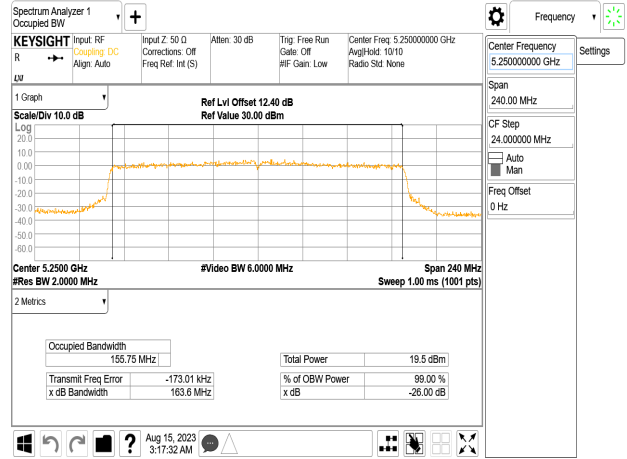
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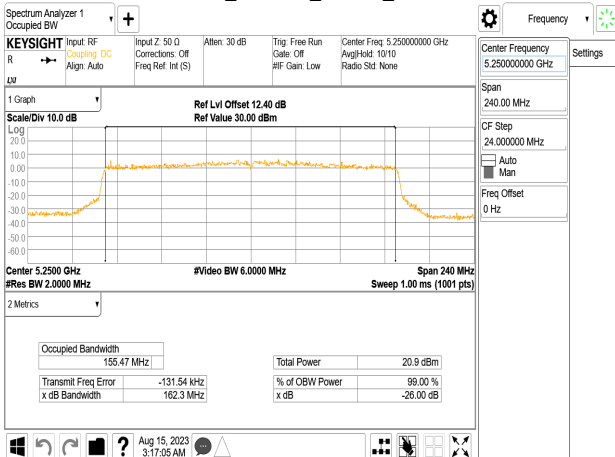
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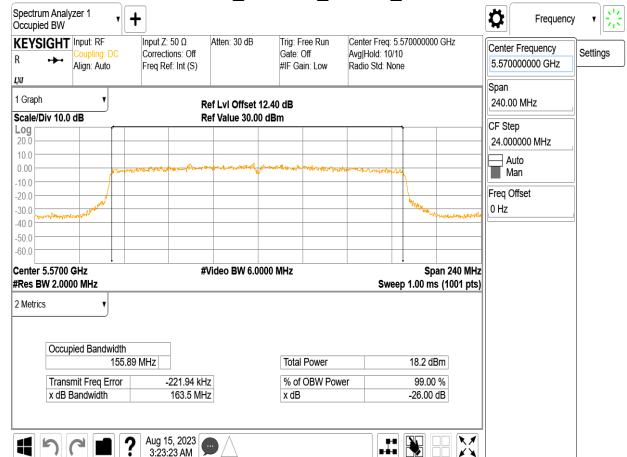
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802.11be\_160MHz\_Chain2\_5250MHz



802.11be\_160MHz\_Chain3\_5570MHz



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## 9 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

### 9.1 Standard Applicable

#### 9.1.1 Duty Cycle

Pre-analysis Check: While conducting average power measurement, duty cycle of each mode shall be checked to ensure its duty cycle in order to compensate for the loss due to insufficient ratio of duty cycle.

All duty cycle is pre-scanned, and result as obtained below shows only the most representative ones where duty cycle is conducted as the given transmission with given virtual operation that expresses the percentage.

#### 9.1.2 FCC

Band	EUT CATEGORY		e-CRF Title 47 §15.407			
			Conducted Output Power	EIRP	TPC	Antenna Directional Gain Requirements
U-NII-1		Fixed point-to-point	1 Watt(30dBm)	Not required	Not required	23dBi
		Outdoor AP	1 Watt(30dBm)	Elevation angle above 30 degrees 125mW (21dBm)	Not required	6dBi
	V	Indoor AP	1 Watt(30dBm)	Not required	Not required	6dBi
		Other	250mW(23.98dBm)	Not required	Not required	6dBi
U-NII-2A	V	Other	250mW(23.98dBm) or 11dBm+10 log B	Not required	When EIRP >500mW At least 6dB below EIRP 1W (30dBm)	6dBi
U-NII-2C	V	Other	250mW(23.98dBm) or 11dBm+10 log B	Not required		6dBi
U-NII-3	V	Other	1 Watt(30dBm)	Not required	Not required	6dBi
		Fixed point-to-point	1 Watt(30dBm)	Not required	Not required	Not required
U-NII-4		Indoor AP (a channel spans 5725~5850 and 5850~5895MHz)	Not required	36dBm	Not required	Not required
		indoor client (a channel spans 5725~5850 and 5850~5895MHz)	Not required	30dBm	Not required	Not required
		subordinate device	Not required	36dBm	Not required	Not required

1. If transmitting antennas of directional gain greater than the antenna requirements column, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna.  
2. For the 10 log B, B is the 26 dB emission bandwidth.

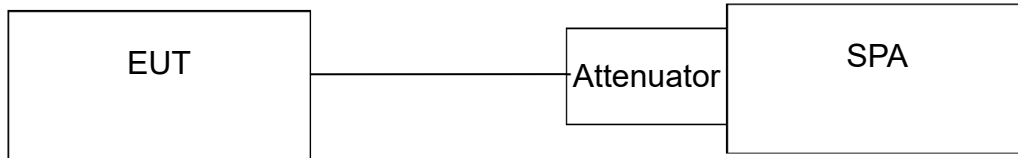
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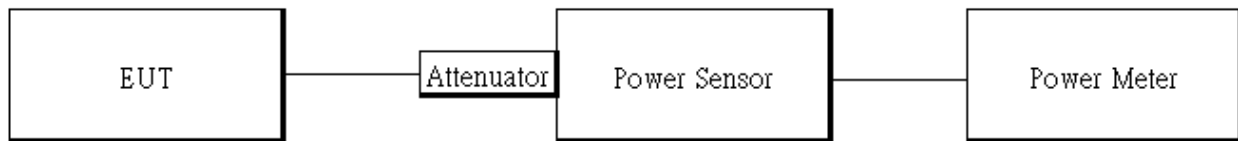
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## 9.2 Test Setup

### 9.2.1 Duty Cycle



### 9.2.2 Output Power



## 9.3 Measurement Procedure

### 9.3.1 Duty Cycle Measurements

1. Set span = Zero
2. RBW = 8MHz
3. VBW = 8MHz,
4. Detector = Peak

### 9.3.2 Output Power Measurements

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the power meter
4. Power Meter is used as the auxiliary test equipment to conduct the output power measurement.
5. Record the max. reading and add  $10 \log(1/\text{duty cycle})$ .
6. Repeat above procedures until all frequency (low, middle, and high channel) measured were complete.
7. MIMO mode: offset is set with "measure and add  $10 \log(N)$ " to measurement for MIMO mode. Offset = cable loss +  $10 \log(N)$ , where N is number of transmitting antenna, cable loss is specified below.

#### Note:

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

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$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k} = 1/20 \cdot 10G_k$  if the kth antenna is being fed by spatial stream j, or zero if it is not;

$G_k$  is the gain in dBi of the kth antenna.

The antenna gain is greater than 6 dBi, therefore the power limit has been attenuated accordingly.

### 9.4 Duty Cycle Measurement Result

Mode: CDD

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log ( 1/Duty Cycle )	1/T (kHz)	VBW setting (kHz)
802.11a	98.13	0.08	0.37	0.01
802.11n_20	98.54	0.06	0.24	0.01
802.11n_40	98.77	0.05	0.24	0.01
802.11ac_80	98.78	0.05	0.24	0.01
802.11ac_160	98.78	0.05	0.24	0.01
802.11be_20	98.54	0.06	0.25	0.01
802.11be_40	98.68	0.06	0.25	0.01
802.11be_80	98.68	0.06	0.25	0.01
802.11be_160	98.49	0.07	0.25	0.01

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**Mode: Beamforming**

Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log ( 1/Duty Cycle )	1/T (kHz)	VBW setting (kHz)
802.11n_20	98.93	0.05	0.20	0.01
802.11n_40	98.21	0.08	0.41	0.01
802.11ac_80	96.47	0.16	0.87	1.00
802.11ac_160	96.31	0.16	0.87	1.00
802.11be_20	96.31	0.16	0.87	1.00
802.11be_40	97.39	0.11	0.51	1.00
802.11be_80	95.80	0.19	1.04	2.00
802.11be_160	94.85	0.23	1.04	2.00

**Spot Check**
**Mode: CDD**

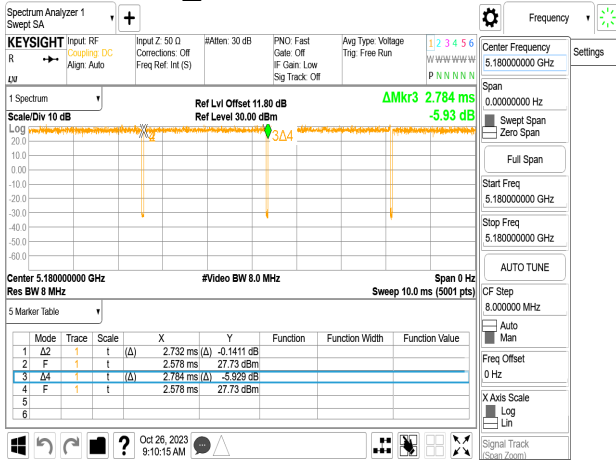
Mode	Duty Cycle (%) =Ton / (Ton+Toff)	Duty Factor (dB) =10*log ( 1/Duty Cycle )	1/T (kHz)	VBW setting (kHz)
802.11a	98.13	0.08	0.37	0.01
802.11n_20	98.77	0.05	0.24	0.01
802.11n_40	98.77	0.05	0.24	0.01
802.11ac_80	98.55	0.06	0.24	0.01
802.11ac_160	98.78	0.05	0.24	0.01
802.11be_20	98.73	0.06	0.25	0.01
802.11be_40	98.73	0.06	0.25	0.01
802.11be_80	98.49	0.07	0.25	0.01
802.11be_160	98.68	0.06	0.25	0.01

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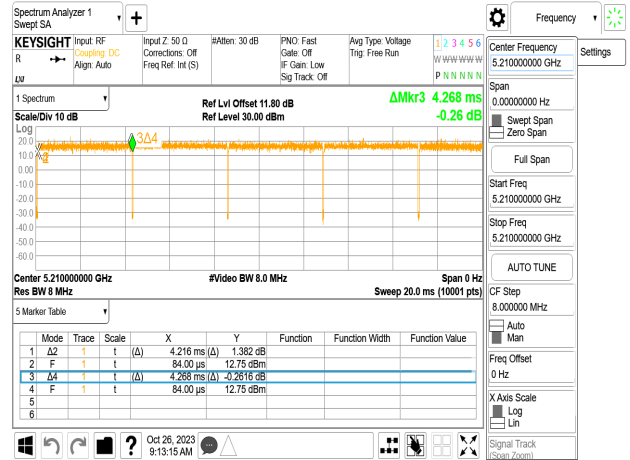
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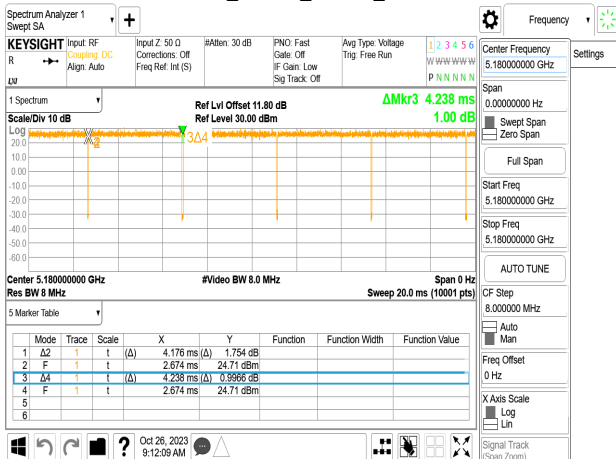
## CDD\_802.11a\_20MHz\_Chain0\_5180MHz



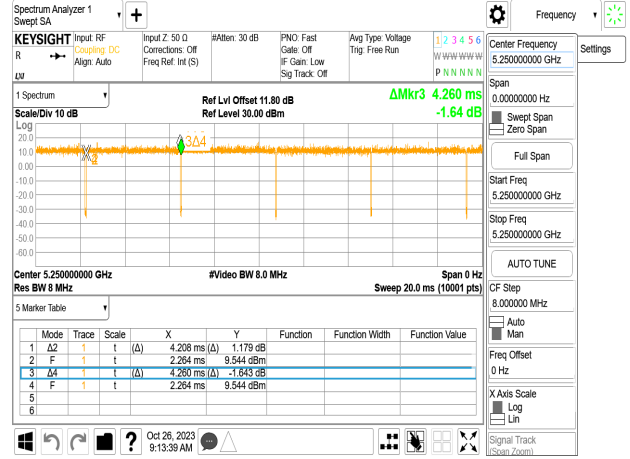
## 802.11ac\_80MHz\_Chain0\_5210MHz



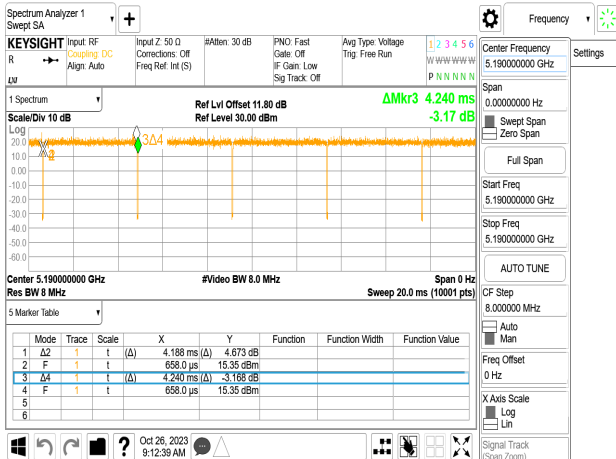
## 802.11n\_20MHz\_Chain0\_5180MHz



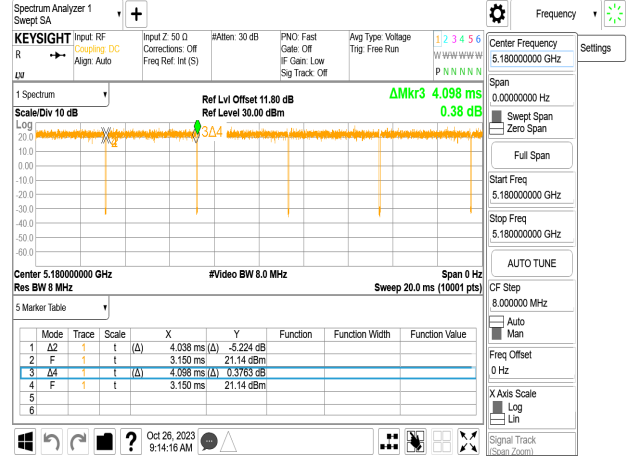
## 802.11ac\_160MHz\_Chain0\_5250MHz



## 802.11n\_40MHz\_Chain0\_5190MHz



## 802.11be\_20MHz\_Chain0\_5180MHz

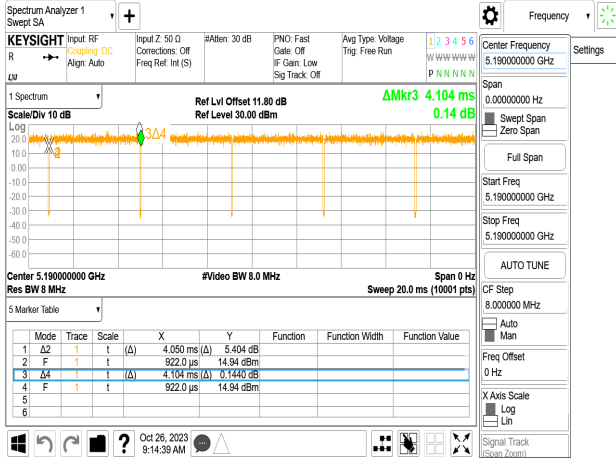


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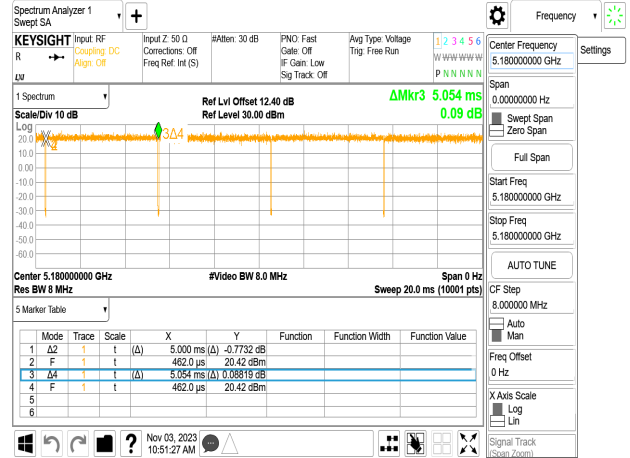
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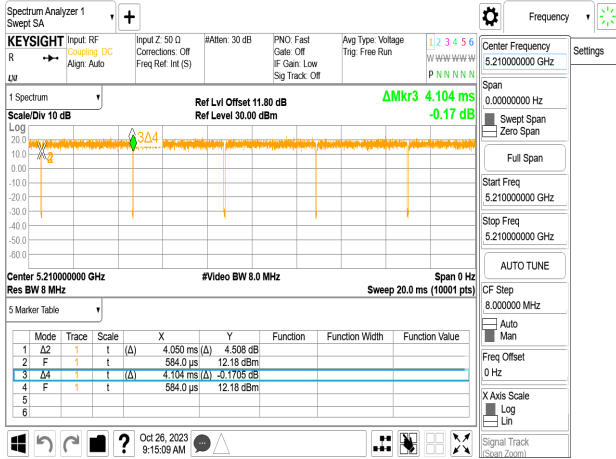
802.11be\_40MHz\_Chain0\_5190MHz



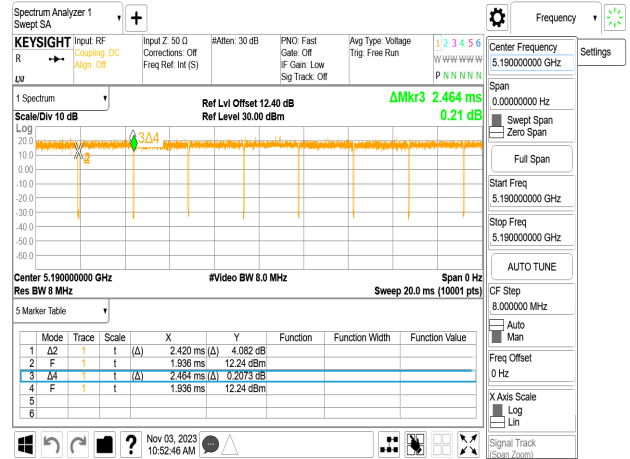
Beamforming\_802.11n\_20MHz\_Chain0\_5180MHz



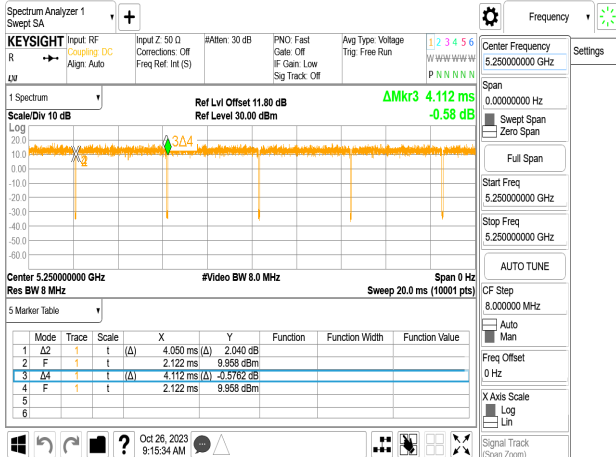
802.11be\_80MHz\_Chain0\_5210MHz



802.11n\_40MHz\_Chain0\_5190MHz



802.11be\_160MHz\_Chain0\_5250MHz



802.11ac\_80MHz\_Chain0\_5210MHz



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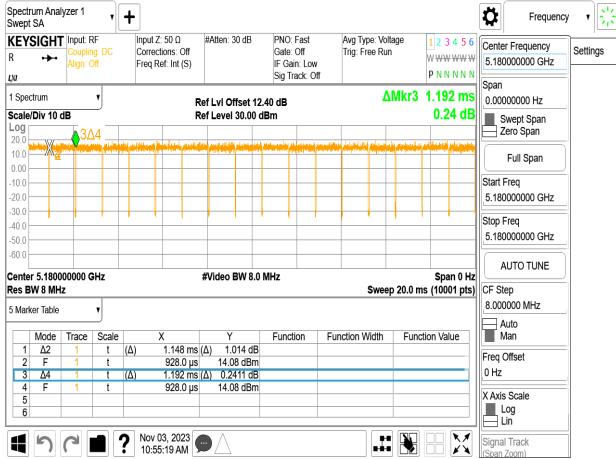
802.11ac\_160MHz\_Chain0\_5250MHz



802.11be\_80MHz\_Chain0\_5210MHz



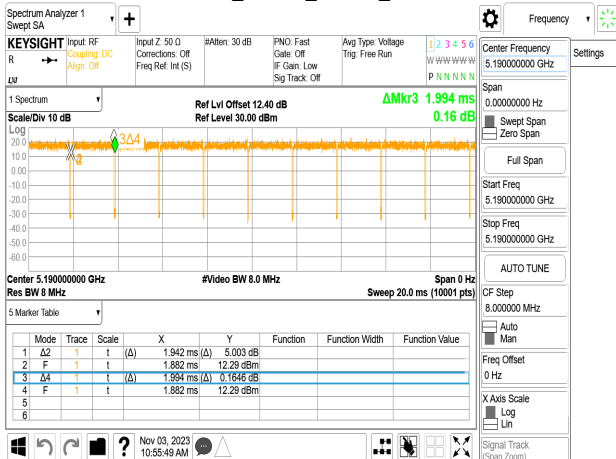
802.11be\_20MHz\_Chain0\_5180MHz



802.11be\_160MHz\_Chain0\_5250MHz



802.11be\_40MHz\_Chain0\_5190MHz



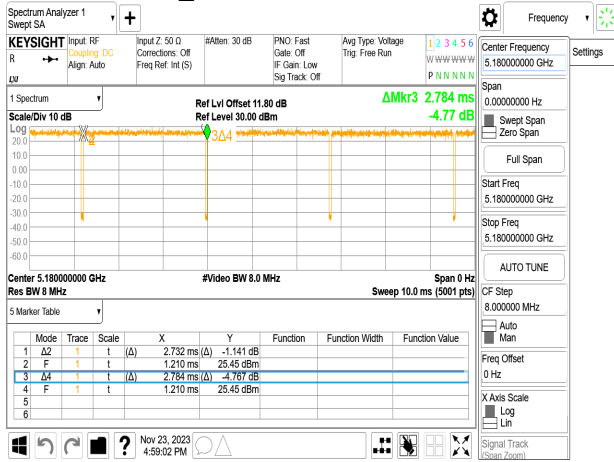
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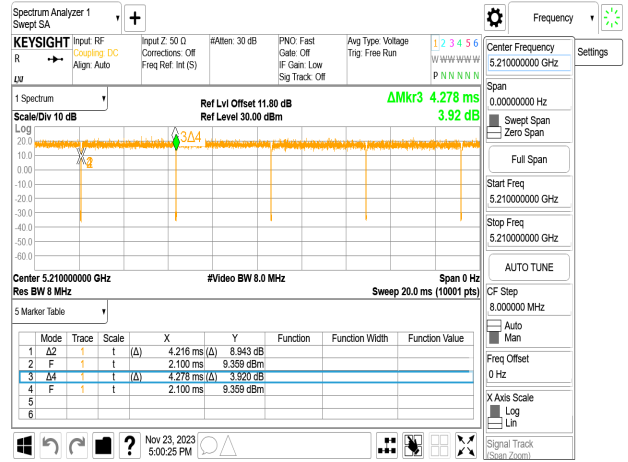
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## Spot Check

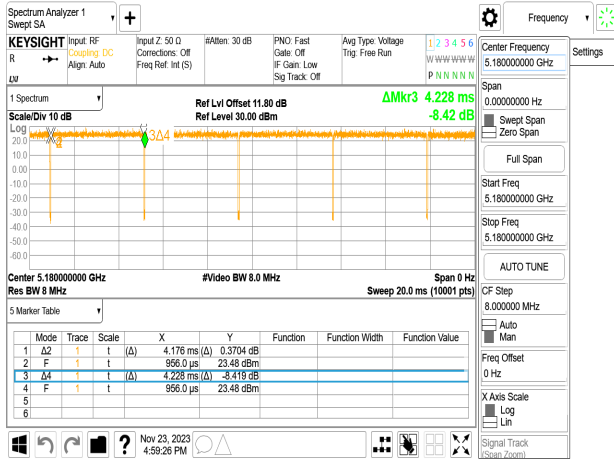
CDD\_802.11a\_20MHz\_Chain0\_5180MHz



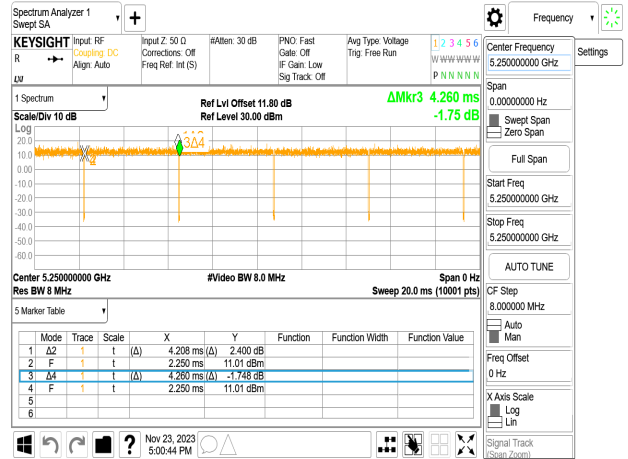
802.11ac\_80MHz\_Chain0\_5210MHz



802.11n\_20MHz\_Chain0\_5180MHz



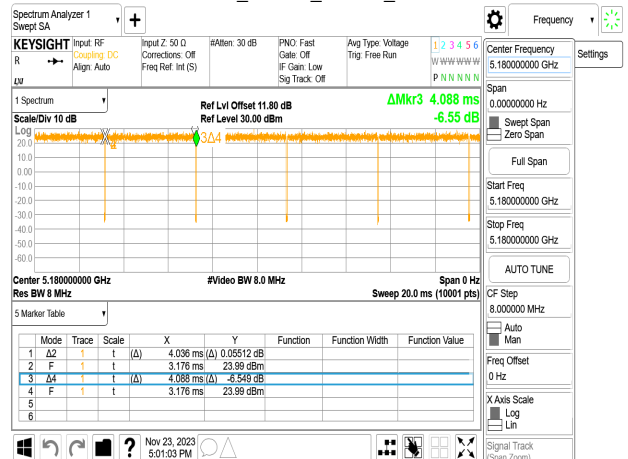
802.11ac\_160MHz\_Chain0\_5250MHz



802.11n\_40MHz\_Chain0\_5190MHz



802.11be\_20MHz\_Chain0\_5180MHz

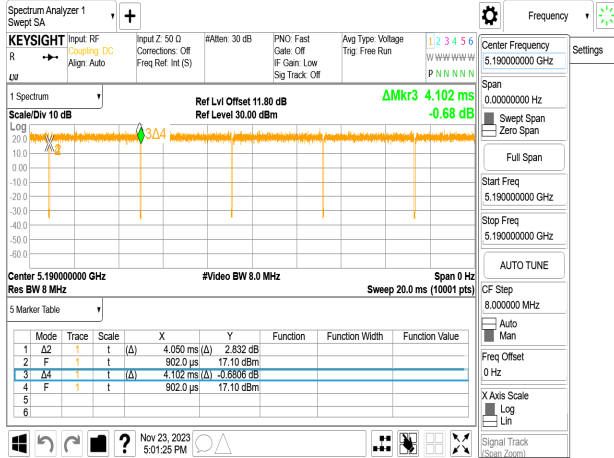


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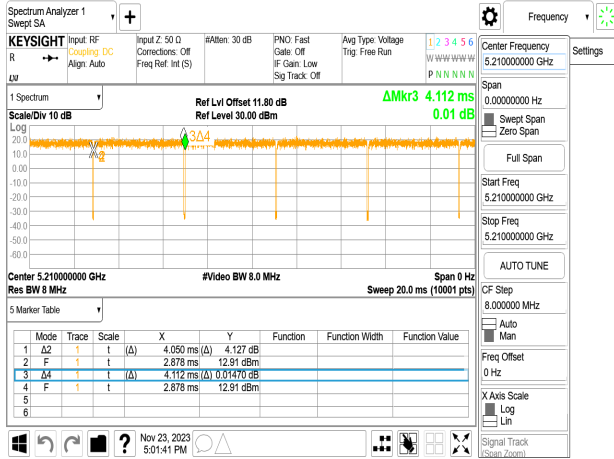
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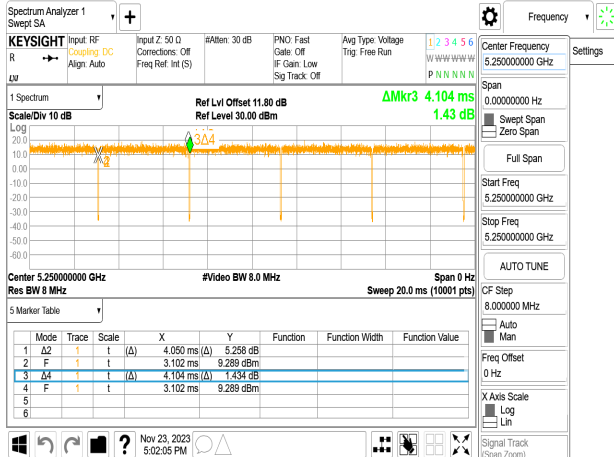
### 802.11be\_40MHz\_Chain0\_5190MHz



### 802.11be\_80MHz\_Chain0\_5210MHz



### 802.11be\_160MHz\_Chain0\_5250MHz



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## 9.5 Output Power Measurement Result

### 9.5.1 FCC Output power

Mode: CDD

802.11a\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
36	5180	6	22.90	24.94	23.01	22.35	29.44	879.05	30	PASS
44	5220	6	23.90	23.50	23.65	23.43	29.65	921.80	30	PASS
48	5240	6	24.01	23.74	23.82	23.60	<b>29.82</b>	958.87	30	PASS
52	5260	6	17.20	16.60	16.50	16.64	22.77	189.08	23.98	PASS
60	5300	6	16.82	16.61	17.22	16.33	<b>22.78</b>	189.66	23.98	PASS
64	5320	6	16.29	15.89	16.34	15.71	22.09	161.74	23.98	PASS
100	5500	6	16.42	16.49	16.55	15.97	22.39	173.22	23.98	PASS
116	5580	6	16.50	16.66	16.51	16.10	<b>22.47</b>	176.60	23.98	PASS
140	5700	6	16.39	16.68	16.47	16.08	22.43	175.10	23.98	PASS
144	5720(U-NII 2C)	6	15.73	15.25	15.63	15.29	21.50	141.26	23.98	PASS
144	5720 (U-NII 3)	6	10.69	12.21	11.58	10.46	17.31	53.85	30	PASS
149	5745	6	23.09	23.73	23.66	23.59	29.55	901.00	30	PASS
157	5785	6	23.44	23.71	23.45	23.64	29.58	908.69	30	PASS
165	5825	6	23.46	24.16	23.95	22.93	<b>29.67</b>	927.51	30	PASS

802.11n\_HT20\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
36	5180	MCS0	23.90	23.64	23.68	23.48	29.70	933.70	30	PASS
44	5220	MCS0	24.23	23.31	23.68	23.24	29.66	924.17	30	PASS
48	5240	MCS0	24.29	23.46	23.77	23.42	<b>29.77</b>	949.22	30	PASS
52	5260	MCS0	17.24	16.67	16.64	16.67	<b>22.83</b>	192.06	23.98	PASS
60	5300	MCS0	16.80	16.61	17.22	16.43	22.79	190.26	23.98	PASS
64	5320	MCS0	16.68	16.53	17.27	16.31	22.73	187.53	23.98	PASS
100	5500	MCS0	16.27	16.24	16.55	16.08	22.31	170.33	23.98	PASS
116	5580	MCS0	16.90	16.54	16.79	15.81	<b>22.55</b>	180.08	23.98	PASS
140	5700	MCS0	16.38	16.62	16.41	16.15	22.42	174.49	23.98	PASS
144	5720(U-NII 2C)	MCS0	15.31	14.89	15.35	15.25	21.23	132.63	23.98	PASS
144	5720 (U-NII 3)	MCS0	11.26	11.86	11.91	10.16	17.37	54.61	30	PASS
149	5745	MCS0	23.09	23.75	23.62	23.59	29.54	900.35	30	PASS
157	5785	MCS0	23.44	23.79	23.48	23.62	29.61	913.93	30	PASS
165	5825	MCS0	23.78	24.20	24.14	23.37	<b>29.91</b>	979.37	30	PASS

802.11n\_HT40\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
38	5190	MCS0	21.90	21.53	21.27	21.08	27.48	559.80	30	PASS
46	5230	MCS0	24.03	23.87	23.78	23.74	<b>29.88</b>	972.92	30	PASS
54	5270	MCS0	17.95	17.78	17.91	18.15	<b>23.97</b>	249.68	23.98	PASS
62	5310	MCS0	17.15	17.24	17.64	16.67	23.21	209.56	23.98	PASS
102	5510	MCS0	17.84	17.63	18.04	17.17	23.71	234.76	23.98	PASS
110	5550	MCS0	17.88	17.96	18.10	17.05	23.79	239.36	23.98	PASS
134	5670	MCS0	17.47	18.06	17.75	18.21	<b>23.91</b>	245.82	23.98	PASS
142	5710(U-NII 2C)	MCS0	17.12	16.16	17.41	16.84	22.93	196.17	23.98	PASS
142	5710 (U-NII 3)	MCS0	8.54	11.13	8.29	7.59	15.13	32.60	30	PASS
151	5755	MCS0	23.27	23.76	24.23	23.64	29.76	946.88	30	PASS
159	5795	MCS0	23.58	23.85	23.67	23.87	<b>29.77</b>	948.10	30	PASS

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802.11ac\_VHT80\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
42	5210	MCS0	20.99	19.85	20.59	20.13	<b>26.44</b>	440.13	30	PASS
58	5290	MCS0	16.92	18.51	16.83	16.63	<b>23.32</b>	214.55	23.98	PASS
106	5530	MCS0	17.94	17.78	18.22	17.18	<b>23.82</b>	241.01	23.98	PASS
122	5610	MCS0	17.73	18.39	18.27	17.06	<b>23.92</b>	246.46	23.98	PASS
138	5690(U-NII 2C)	MCS0	17.38	18.06	17.46	17.69	<b>23.68</b>	233.12	23.98	PASS
138	5690 (U-NII 3)	MCS0	5.15	5.65	5.06	5.36	<b>11.33</b>	13.59	30	PASS
155	5775	MCS0	22.91	23.41	23.13	22.96	<b>29.13</b>	818.62	30	PASS

802.11ac\_VHT160\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
50	5250	MCS0	17.91	18.27	18.12	16.88	<b>23.85</b>	242.75	23.98	PASS
114	5570	MCS0	18.03	18.26	18.14	17.30	<b>23.97</b>	249.58	23.98	PASS

802.11be\_EHT20\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
36	5180	MCS0	full	24.21	22.71	24.22	23.35	29.69	931.61	30	PASS
44	5220	MCS0	full	24.14	23.32	23.78	23.49	29.72	937.18	30	PASS
48	5240	MCS0	full	24.18	23.44	23.74	23.47	<b>29.74</b>	942.38	30	PASS
52	5260	MCS0	full	17.34	16.89	16.96	17.04	23.08	203.20	23.98	PASS
60	5300	MCS0	full	17.19	16.93	17.27	16.64	23.03	201.04	23.98	PASS
64	5320	MCS0	full	17.53	16.91	17.90	16.91	<b>23.36</b>	216.66	23.98	PASS
100	5500	MCS0	full	16.47	16.58	16.88	16.51	22.64	183.55	23.98	PASS
116	5580	MCS0	full	17.23	16.87	16.98	16.16	<b>22.85</b>	192.85	23.98	PASS
140	5700	MCS0	full	16.68	17.06	16.54	16.80	22.80	190.49	23.98	PASS
144	5720	MCS0	full	14.80	14.86	15.56	15.16	21.13	129.70	23.98	PASS
144	5720 (U-NII 3)	MCS0	full	10.39	11.58	11.22	10.31	16.93	49.31	30	PASS
149	5745	MCS0	full	23.59	23.50	24.17	23.86	29.81	957.72	30	PASS
157	5785	MCS0	full	23.40	23.80	23.72	23.69	29.68	928.88	30	PASS
165	5825	MCS0	full	23.63	24.00	24.28	23.84	<b>29.97</b>	992.77	30	PASS

802.11be\_EHT40\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
38	5190	MCS0	full	21.24	19.93	21.02	20.36	26.69	466.32	30	PASS
46	5230	MCS0	full	24.34	24.07	24.15	23.14	<b>29.97</b>	992.47	30	PASS
54	5270	MCS0	full	17.78	18.06	18.11	17.79	<b>23.96</b>	248.65	23.98	PASS
62	5310	MCS0	full	17.09	17.64	17.92	17.21	23.50	223.67	23.98	PASS
102	5510	MCS0	full	17.30	17.36	17.88	17.39	23.51	224.24	23.98	PASS
110	5550	MCS0	full	17.48	18.12	17.87	17.16	23.69	224.24	23.98	PASS
134	5670	MCS0	full	17.31	18.01	17.82	18.43	<b>23.93</b>	247.13	23.98	PASS
142	5710(U-NII 2C)	MCS0	full	16.79	16.77	17.57	17.45	23.18	208.04	23.98	PASS
142	5710 (U-NII 3)	MCS0	full	9.54	10.63	9.71	8.72	15.72	37.36	30	PASS
151	5755	MCS0	full	23.74	24.11	24.07	23.95	<b>29.99</b>	997.28	30	PASS
159	5795	MCS0	full	23.75	23.67	23.88	23.71	29.77	948.75	30	PASS

802.11be\_EHT80\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
42	5210	MCS0	full	21.29	20.12	20.81	20.32	<b>26.68</b>	465.29	30	PASS
58	5290	MCS0	full	17.64	19.03	17.35	17.06	<b>23.86</b>	243.07	23.98	PASS
106	5530	MCS0	full	17.78	17.46	18.18	17.70	<b>23.81</b>	240.22	23.98	PASS
122	5610	MCS0	full	17.33	18.09	17.93	17.21	23.67	233.06	23.98	PASS
138	5690	MCS0	full	17.02	17.56	17.14	17.83	23.42	219.78	23.98	PASS
138	5690 (U-NII 3)	MCS0	full	5.13	7.52	5.32	5.96	12.11	16.26	30	PASS
155	5775	MCS0	full	21.90	21.99	22.30	22.36	<b>28.16</b>	654.67	30	PASS

802.11be\_EHT160\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
50	5250	MCS0	full	17.52	18.17	17.95	17.10	<b>23.72</b>	235.56	23.98	PASS
114	5570	MCS0	full	17.70	18.19	17.98	17.61	<b>23.89</b>	245.06	23.98	PASS

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Mode: Beamforming

802.11n\_HT20\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
36	5180	MCS0	23.69	23.51	23.83	23.20	29.58	908.062	30	PASS
44	5220	MCS0	23.16	23.93	23.26	23.57	29.51	892.858	30	PASS
48	5240	MCS0	23.32	23.86	23.39	23.47	29.53	897.929	30	PASS
52	5260	MCS0	16.68	16.64	16.68	16.72	22.70	186.098	23.56	PASS
60	5300	MCS0	16.63	16.68	16.79	16.78	22.74	187.838	23.56	PASS
64	5320	MCS0	16.66	16.47	16.88	16.53	22.66	184.297	23.56	PASS
100	5500	MCS0	16.33	16.23	16.27	15.93	22.21	166.342	22.99	PASS
116	5580	MCS0	16.22	16.67	16.80	16.06	22.47	176.425	22.99	PASS
140	5700	MCS0	16.20	16.14	16.27	16.16	22.21	166.345	22.99	PASS
144	5720(U-NII 2C)	MCS0	15.17	14.83	14.81	15.34	21.06	127.679	22.61	PASS
144	5720 (U-NII 3)	MCS0	11.11	11.81	11.36	10.24	17.19	52.328	29.7	PASS
149	5745	MCS0	23.13	23.81	22.68	23.60	29.34	859.816	29.7	PASS
157	5785	MCS0	23.36	23.90	22.89	23.76	29.51	893.786	29.7	PASS
165	5825	MCS0	23.36	24.07	22.99	23.33	29.47	885.717	29.7	PASS

802.11n\_HT40\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
38	5190	MCS0	21.21	21.95	21.34	21.12	27.44	554.170	30	PASS
46	5230	MCS0	23.62	24.00	23.56	23.80	29.77	947.863	30	PASS
54	5270	MCS0	17.60	16.47	17.99	17.71	23.50	223.795	23.56	PASS
62	5310	MCS0	16.85	17.03	17.29	16.31	22.90	195.149	23.56	PASS
102	5510	MCS0	16.56	16.97	17.01	16.86	22.87	193.757	22.99	PASS
110	5550	MCS0	17.10	16.81	16.91	16.70	22.90	195.054	22.99	PASS
134	5670	MCS0	17.19	16.90	16.82	16.66	22.92	195.696	22.99	PASS
142	5710(U-NII 2C)	MCS0	15.96	15.12	16.12	16.31	21.92	155.666	22.99	PASS
142	5710 (U-NII 3)	MCS0	7.38	10.09	7.00	7.07	14.11	25.786	29.7	PASS
151	5755	MCS0	23.50	23.86	22.93	24.03	29.62	916.030	29.7	PASS
159	5795	MCS0	23.60	23.69	23.16	23.94	29.63	917.398	29.7	PASS

802.11ac\_VHT80\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
42	5210	MCS0	20.69	20.08	20.48	20.19	26.38	434.844	30	PASS
58	5290	MCS0	17.14	17.27	17.63	16.64	23.20	208.980	23.56	PASS
106	5530	MCS0	16.98	16.77	16.58	17.08	22.87	193.796	22.99	PASS
122	5610	MCS0	16.71	16.88	17.14	16.29	22.78	189.816	22.99	PASS
138	5690(U-NII 2C)	MCS0	16.88	15.99	16.06	16.46	22.39	173.186	22.99	PASS
138	5690 (U-NII 3)	MCS0	4.66	3.58	3.66	4.14	10.05	10.119	29.7	PASS
155	5775	MCS0	22.91	23.39	22.39	23.23	29.01	796.745	29.7	PASS

802.11ac\_VHT160\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
50	5250	MCS0	17.58	17.55	18.04	16.45	23.47	222.170	23.56	PASS
114	5570	MCS0	17.04	16.51	16.44	17.32	22.87	193.507	22.99	PASS

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802.11be\_EHT20\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
36	5180	MCS0	full	23.50	24.04	23.37	23.58	29.65	923.388	30	PASS
44	5220	MCS0	full	23.58	24.17	23.34	23.54	29.69	931.673	30	PASS
48	5240	MCS0	full	23.38	24.28	23.29	23.72	<b>29.71</b>	935.205	30	PASS
52	5260	MCS0	full	17.18	17.04	17.12	16.58	<b>23.01</b>	199.995	23.56	PASS
60	5300	MCS0	full	17.14	17.11	16.69	16.27	22.84	192.341	23.56	PASS
64	5320	MCS0	full	16.99	17.23	17.15	16.43	22.98	198.833	23.56	PASS
100	5500	MCS0	full	16.64	16.70	16.74	16.13	<b>22.58</b>	181.269	23.56	PASS
116	5580	MCS0	full	16.23	16.94	16.69	15.55	22.41	174.097	23.56	PASS
140	5700	MCS0	full	16.43	16.53	16.58	16.23	22.47	176.540	23.56	PASS
144	5720	MCS0	full	15.29	14.95	15.06	15.01	21.10	128.900	22.72	PASS
144	5720 (U-NII 3)	MCS0	full	10.88	11.67	10.72	10.16	16.91	49.106	29.7	PASS
149	5745	MCS0	full	23.01	23.70	23.40	23.44	29.42	874.647	29.7	PASS
157	5785	MCS0	full	23.29	23.59	23.32	23.64	29.49	888.526	29.7	PASS
165	5825	MCS0	full	23.32	23.47	24.08	22.91	<b>29.49</b>	889.079	29.7	PASS

802.11be\_EHT40\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
38	5190	MCS0	full	20.23	21.09	20.44	20.59	26.62	459.695	30	PASS
46	5230	MCS0	full	23.77	24.02	23.97	23.49	<b>29.84</b>	964.475	30	PASS
54	5270	MCS0	full	17.33	17.26	17.63	17.44	<b>23.44</b>	220.939	23.56	PASS
62	5310	MCS0	full	17.24	17.52	17.58	16.64	23.29	213.110	23.56	PASS
102	5510	MCS0	full	16.84	16.77	16.99	17.03	<b>22.93</b>	196.529	22.99	PASS
110	5550	MCS0	full	16.82	17.05	16.65	16.98	22.90	196.529	22.99	PASS
134	5670	MCS0	full	16.66	16.29	16.55	16.44	22.51	178.345	22.99	PASS
142	5710(U-NII 2C)	MCS0	full	16.25	16.28	16.12	16.08	22.20	166.013	22.99	PASS
142	5710 (U-NII 3)	MCS0	full	9.00	10.14	8.26	7.35	14.83	30.387	29.7	PASS
151	5755	MCS0	full	23.30	23.73	23.49	23.79	<b>29.61</b>	913.554	29.7	PASS
159	5795	MCS0	full	23.39	23.59	23.39	23.65	29.53	897.849	29.7	PASS

802.11be\_EHT80\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
42	5210	MCS0	full	21.08	20.57	20.61	20.32	<b>26.67</b>	464.593	30	PASS
58	5290	MCS0	full	17.11	17.45	16.67	16.42	<b>22.95</b>	197.133	23.56	PASS
106	5530	MCS0	full	16.66	17.08	17.11	16.92	<b>22.96</b>	197.837	22.99	PASS
122	5610	MCS0	full	16.52	17.26	16.56	16.80	22.81	191.077	22.99	PASS
138	5690	MCS0	full	16.13	16.64	16.76	16.43	22.52	178.546	22.99	PASS
138	5690 (U-NII 3)	MCS0	full	4.25	6.60	4.93	4.56	11.21	13.208	29.7	PASS
155	5775	MCS0	full	21.73	22.07	21.42	21.96	<b>27.82</b>	605.203	29.7	PASS

802.11be\_EHT160\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
50	5250	MCS0	full	17.50	17.24	17.39	17.78	<b>23.50</b>	223.988	23.56	PASS
114	5570	MCS0	full	16.91	17.05	16.76	17.01	<b>22.95</b>	197.431	23.56	PASS

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Spot Check

Mode: CDD

802.11a\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
36	5180	6	23.53	23.51	23.21	23.25	29.40	870.970	30	PASS
44	5220	6	23.19	24.08	23.22	23.72	29.59	910.122	30	PASS
48	5240	6	23.28	23.96	23.37	24.19	<b>29.74</b>	941.821	30	PASS
52	5260	6	16.53	16.80	16.48	16.92	22.71	186.593	23.98	PASS
60	5300	6	16.67	16.91	16.62	16.73	<b>22.76</b>	188.646	23.98	PASS
64	5320	6	15.99	16.09	16.14	15.98	22.07	161.180	23.98	PASS
100	5500	6	16.58	16.36	16.11	16.24	22.35	171.733	23.98	PASS
116	5580	6	16.61	16.41	16.28	16.27	<b>22.42</b>	174.472	23.98	PASS
140	5700	6	16.21	16.38	16.30	16.62	22.40	173.891	23.98	PASS
144	5720(U-NII 2C)	6	-1.35	-1.80	-0.33	-1.31	4.86	3.060	23.98	PASS
144	5720 (U-NII 3)	6	-6.39	-4.84	-4.38	-6.14	0.66	1.165	30	PASS
149	5745	6	23.51	23.55	23.51	23.44	29.53	896.450	30	PASS
157	5785	6	23.71	23.60	23.26	23.49	29.54	899.654	30	PASS
165	5825	6	23.94	23.33	23.40	23.82	<b>29.65</b>	923.208	30	PASS

802.11n\_HT20\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
36	5180	MCS0	23.77	23.78	23.48	23.51	29.66	925.043	30	PASS
44	5220	MCS0	23.28	23.83	23.45	23.84	29.63	918.565	30	PASS
48	5240	MCS0	23.34	24.16	23.33	23.96	<b>29.74</b>	941.366	30	PASS
52	5260	MCS0	16.61	16.93	16.76	16.83	<b>22.81</b>	190.915	23.98	PASS
60	5300	MCS0	16.77	16.83	16.67	16.73	22.77	189.441	23.98	PASS
64	5320	MCS0	16.61	16.71	16.72	16.62	22.69	185.765	23.98	PASS
100	5500	MCS0	16.27	16.53	16.03	16.21	22.29	169.358	23.98	PASS
116	5580	MCS0	16.63	16.61	16.38	16.44	<b>22.54</b>	179.501	23.98	PASS
140	5700	MCS0	16.15	16.39	16.59	16.33	22.39	173.468	23.98	PASS
144	5720(U-NII 2C)	MCS0	-1.64	-1.83	-0.54	-1.28	4.73	2.971	23.98	PASS
144	5720 (U-NII 3)	MCS0	-5.69	-4.86	-3.98	-6.37	0.89	1.227	30	PASS
149	5745	MCS0	23.44	23.69	23.27	23.46	29.49	889.596	30	PASS
157	5785	MCS0	23.63	23.67	23.40	23.47	29.57	905.372	30	PASS
165	5825	MCS0	24.04	24.06	23.73	23.44	<b>29.85</b>	965.878	30	PASS

802.11n\_HT40\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
38	5190	MCS0	21.32	21.59	21.38	21.48	27.47	558.221	30	PASS
46	5230	MCS0	23.36	24.03	23.76	24.15	<b>29.86</b>	968.236	30	PASS
54	5270	MCS0	17.73	18.08	17.93	17.98	<b>23.96</b>	248.669	23.98	PASS
62	5310	MCS0	17.11	17.37	17.28	16.91	23.20	208.707	23.98	PASS
102	5510	MCS0	17.71	17.89	17.52	17.52	23.69	233.727	23.98	PASS
110	5550	MCS0	17.61	17.93	17.57	17.79	23.75	237.234	23.98	PASS
134	5670	MCS0	17.93	17.78	17.56	17.98	<b>23.84</b>	242.097	23.98	PASS
142	5710(U-NII 2C)	MCS0	-0.76	-1.26	0.58	-0.59	5.57	3.603	23.98	PASS
142	5710 (U-NII 3)	MCS0	-9.34	-6.29	-8.54	-9.84	-2.25	0.595	30	PASS
151	5755	MCS0	23.76	23.83	23.57	23.70	29.74	941.976	30	PASS
159	5795	MCS0	23.95	23.86	23.36	23.71	<b>29.75</b>	944.082	30	PASS

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802.11ac\_VHT80\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
42	5210	MCS0	20.00	20.61	20.28	20.51	<b>26.38</b>	434.544	30	PASS
58	5290	MCS0	17.04	17.28	17.42	17.18	<b>23.26</b>	211.654	23.98	PASS
106	5530	MCS0	17.88	18.04	17.54	17.52	23.77	238.492	23.98	PASS
122	5610	MCS0	17.94	18.18	17.71	17.64	<b>23.90</b>	245.286	23.98	PASS
138	5690(U-NII 2C)	MCS0	-0.44	-0.31	0.85	-0.34	5.99	3.975	23.98	PASS
138	5690 (U-NII 3)	MCS0	-12.67	-12.72	-11.55	-12.67	-6.35	0.232	30	PASS
155	5775	MCS0	23.10	23.27	22.97	22.86	<b>29.08</b>	808.487	30	PASS

802.11ac\_VHT160\_4TX

CH	Frequency (MHz)	Data Rate	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
			Ch0	Ch1	Ch2	Ch3				
50	5250	MCS0	17.62	18.15	17.57	17.80	<b>23.81</b>	240.710	23.98	PASS
114	5570	MCS0	18.15	18.24	17.57	17.54	<b>23.91</b>	246.084	23.98	PASS

802.11be\_EHT20\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
36	5180	MCS0	full	23.92	23.62	23.64	23.47	29.68	929.324	30	PASS
44	5220	MCS0	full	23.22	24.20	23.46	23.82	29.71	934.764	30	PASS
48	5240	MCS0	full	23.39	24.30	23.24	23.84	<b>29.73</b>	939.420	30	PASS
52	5260	MCS0	full	16.92	16.78	16.99	17.07	22.96	197.579	23.98	PASS
60	5300	MCS0	full	16.96	17.04	17.03	16.97	23.02	200.274	23.98	PASS
64	5320	MCS0	full	17.32	17.48	17.30	17.08	<b>23.31</b>	214.459	23.98	PASS
100	5500	MCS0	full	16.74	16.70	16.41	16.49	22.60	182.109	23.98	PASS
116	5580	MCS0	full	17.12	16.77	16.83	16.53	<b>22.83</b>	192.030	23.98	PASS
140	5700	MCS0	full	16.53	16.77	16.58	16.94	22.72	187.248	23.98	PASS
144	5720(U-NII 2C)	MCS0	full	-1.54	-1.74	-0.28	-1.33	4.84	3.045	23.98	PASS
144	5720 (U-NII 3)	MCS0	full	-5.95	-5.03	-4.62	-6.18	0.62	1.154	30	PASS
149	5745	MCS0	full	23.65	23.89	23.67	23.88	29.79	952.812	30	PASS
157	5785	MCS0	full	23.57	23.84	23.61	23.50	29.65	922.145	30	PASS
165	5825	MCS0	full	24.08	24.13	23.86	23.61	<b>29.94</b>	986.494	30	PASS

802.11be\_EHT40\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
38	5190	MCS0	full	20.68	20.49	20.70	20.58	26.63	460.195	30	PASS
46	5230	MCS0	full	23.70	23.94	23.78	23.97	<b>29.87</b>	969.403	30	PASS
54	5270	MCS0	full	17.79	18.01	17.95	17.78	<b>23.90</b>	245.457	23.98	PASS
62	5310	MCS0	full	17.40	17.65	17.50	17.17	23.45	221.289	23.98	PASS
102	5510	MCS0	full	17.47	17.71	17.36	17.31	23.48	222.914	23.98	PASS
110	5550	MCS0	full	17.85	17.64	17.46	17.39	23.60	222.914	23.98	PASS
134	5670	MCS0	full	17.73	17.97	17.49	17.91	<b>23.80</b>	239.612	23.98	PASS
142	5710(U-NII 2C)	MCS0	full	-0.94	-1.02	0.43	-0.65	5.51	3.560	23.98	PASS
142	5710 (U-NII 3)	MCS0	full	-8.19	-7.16	-7.43	-9.38	-1.94	0.640	30	PASS
151	5755	MCS0	full	23.92	23.62	23.94	24.04	<b>29.90</b>	976.992	30	PASS
159	5795	MCS0	full	23.75	24.00	23.40	23.58	29.70	934.170	30	PASS

802.11be\_EHT80\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
42	5210	MCS0	full	20.34	21.05	20.55	20.64	<b>26.67</b>	464.453	30	PASS
58	5290	MCS0	full	17.71	18.06	17.86	17.64	<b>23.84</b>	241.946	23.98	PASS
106	5530	MCS0	full	18.02	17.90	17.61	17.54	<b>23.79</b>	239.261	23.98	PASS
122	5610	MCS0	full	17.67	17.85	17.51	17.55	23.66	232.472	23.98	PASS
138	5690(U-NII 2C)	MCS0	full	-0.46	-0.47	0.82	-0.37	5.94	3.923	23.98	PASS
138	5690 (U-NII 3)	MCS0	full	-12.34	-10.51	-11.01	-12.24	-5.43	0.286	30	PASS
155	5775	MCS0	full	22.26	22.32	21.91	21.88	<b>28.11</b>	647.699	30	PASS

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802.11be\_EHT160\_4TX

CH	Frequency (MHz)	Data Rate	RU config.	Avg. POWER (dBm)				TOTAL POWER (dBm)	TOTAL POWER (mW)	REQUIRED LIMIT (dBm)	RESULT
				Ch0	Ch1	Ch2	Ch3				
50	5250	MCS0	full	17.22	17.99	17.77	17.71	23.70	234.411	23.98	PASS
114	5570	MCS0	full	18.02	18.08	17.56	17.55	23.83	241.430	23.98	PASS

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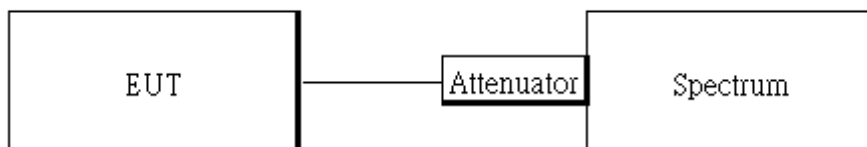
## 10 MAXIMUM POWER SPECTRAL DENSITY

### 10.1 FCC Standard

Operation Bands	EUT CATEGORY		e-CRF Title 47 §15.407 Power Spectral Density	Antenna Directional Gain Requirements
U-NII-1		Outdoor Access Point (Master)	1. 17dBm/ MHz 2. EIRP<=125mW(21dBm) at any elevation angle > 30°	6dBi
	V	Indoor Access Point (Master)	17dBm / MHz	6dBi
		Fixed point-to-point Access Point	17dBm / MHz	23dBi
		Client device	11dBm / MHz	6dBi
U-NII-2A	V	All	11dBm / MHz	6dBi
U-NII-2C	V	All	11dBm / MHz	6dBi
U-NII-3	V	All	30dBm / 500kHz	6dBi
U-NII-4		Indoor AP	20dBm / MHz e.i.r.p.	Not required
		indoor client	14dBm / MHz e.i.r.p.	Not required
		subordinate device	20dBm / MHz e.i.r.p.	Not required

If transmitting antennas of directional gain greater than the antenna requirements column, the Maximum transmit power shall be reduced by the amount in dB that the direction-al gain of the antenna.

### 10.2 Test Setup



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### 10.3 Measurement Procedure

1. Place the EUT on the table and set it in transmitting mode.
2. The testing follows FCC KDB 789033 D02 General UNII Test Procedures New Rules .
3. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to Spectrum.
4. **For U-NII1, U-NII-2A, U-NII-2C Band:**  
Set RBW=1MHz, VBW=3MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto (1001 pts), Detector = power averaging (rms), if available. Otherwise, use sample detector mode, traces 100 sweeps of video averaging. (SA-2 with the omission of procedure x, the integration with 26dB EBW bandwidth)  
**For U-NII-3 Band:**  
Set RBW=300kHz, VBW=1MHz, where span is enough to capture the entire bandwidth, Sweep time = Auto, detector = RMS or sample, traces 100 sweeps of video averaging.  
In addition, measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10 log (500 kHz/RBW) to the measured result.
5. Use the cursor on spectrum to peak search the highest level of trace
6. (1)Duty cycle ≥ 98% : Record the max. reading.  
(2)Duty cycle < 98% : Record the max. reading and add 10 log(1/duty cycle).
7. Repeat above procedures until all default test channel (low, middle, and high) was complete.

**Note: For the test of PSD at MIMO mode, the highest emission of worst case employing Measure and add 10 log (N) technical is reported after the comparison between Main Antenna at single transmitting mode and Aux that yields the higher value. The MIMO transmitting mode produces higher value of outcome.**

**Note:**

As per section F. 2). e). (ii) of FCC KDB 662911 D01

If antenna gains are not equal and each transmit antenna is driven by only one spatial stream, directional gain may be calculated by either of the following formulas.

$$DirectionalGain = 10 \cdot \log \left[ \frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^2}{N_{ANT}} \right]$$

where

Each antenna is driven by no more than one spatial stream;

NSS = the number of independent spatial streams of data;

NANT = the total number of antennas

$g_{j,k}$  = / 20 10Gk if the kth antenna is being fed by spatial stream j, or zero if it is not;

$G_k$  is the gain in dBi of the kth antenna.

The antenna gain is greater than 6 dBi, therefore the power limit has been attenuated accordingly.

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### 10.4 Measurement Result

Mode: CDD

POWER DENSITY 802.11a MODE									
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	10.836	11.151	8.951	10.178	0.00	16.38		17.00 dBm/MHz	-0.62
5220	10.628	11.327	11.157	9.703	0.00	16.77		17.00 dBm/MHz	-0.23
5240	10.553	11.738	10.421	9.802	0.00	16.71		17.00 dBm/MHz	-0.29
5260	4.806	4.321	4.383	4.322	0.00	10.48		10.58 dBm/MHz	-0.10
5300	4.429	4.545	4.995	3.973	0.00	10.52		10.58 dBm/MHz	-0.06
5320	3.814	4.837	4.337	3.684	0.00	10.21		10.58 dBm/MHz	-0.37
5500	3.741	3.577	4.064	3.837	0.00	9.83		10.01 dBm/MHz	-0.18
5580	3.501	4.304	3.942	3.083	0.00	9.75		10.01 dBm/MHz	-0.26
5700	3.490	4.013	4.016	3.827	0.00	9.86		10.01 dBm/MHz	-0.15
5720 (U-NII 2C)	3.380	4.076	3.996	3.319	0.00	9.73		10.01 dBm/MHz	-0.28
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-2.137	-1.367	-1.422	-1.902	0.00	2.22	6.55	29.70 dBm/500kHz	-23.15
5745	7.673	8.167	7.154	8.164	0.00	2.22	16.05	29.70 dBm/500kHz	-13.65
5785	7.521	7.536	7.479	7.365	0.00	2.22	15.72	29.70 dBm/500kHz	-13.98
5825	7.257	8.208	7.752	7.227	0.00	2.22	15.87	29.70 dBm/500kHz	-13.83
POWER DENSITY 802.11n HT20 MODE									
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	10.627	11.172	11.602	10.051	0.00	16.92		17.00 dBm/MHz	-0.08
5220	10.459	11.270	10.389	9.838	0.00	16.54		17.00 dBm/MHz	-0.46
5240	10.487	11.087	10.154	9.945	0.00	16.46		17.00 dBm/MHz	-0.54
5260	4.405	4.459	4.469	4.185	0.00	10.40		10.58 dBm/MHz	-0.18
5300	4.244	4.470	4.617	4.159	0.00	10.40		10.58 dBm/MHz	-0.18
5320	4.390	4.607	5.014	3.99	0.00	10.54		10.58 dBm/MHz	-0.04
5500	3.526	3.852	3.875	3.46	0.00	9.70		10.01 dBm/MHz	-0.31
5580	3.560	4.331	4.473	3.34	0.00	9.97		10.01 dBm/MHz	-0.04
5700	3.365	4.226	3.653	3.187	0.00	9.65		10.01 dBm/MHz	-0.36
5720 (U-NII 2C)	3.701	3.546	3.823	3.402	0.00	9.64		10.01 dBm/MHz	-0.37
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	-2.862	-2.792	-2.501	-3.136	0.00	2.22	5.42	29.70 dBm/500kHz	-24.28
5745	6.670	7.535	7.532	7.884	0.00	2.22	15.67	29.70 dBm/500kHz	-14.03
5785	7.369	7.813	8.216	7.697	0.00	2.22	16.02	29.70 dBm/500kHz	-13.68
5825	7.223	7.725	7.468	7.39	0.00	2.22	15.70	29.70 dBm/500kHz	-14.00
POWER DENSITY 802.11n HT40 MODE									
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	6.898	6.935	7.285	6.384	0.00	12.91		17.00 dBm/MHz	-4.09
5230	11.131	11.082	10.958	9.875	0.00	16.81		17.00 dBm/MHz	-0.19
5270	4.196	4.262	4.472	3.735	0.00	10.20		10.58 dBm/MHz	-0.38
5310	2.317	2.515	2.706	2.168	0.00	8.45		10.58 dBm/MHz	-2.13
5510	4.072	3.476	3.62	3.203	0.00	9.62		10.01 dBm/MHz	-0.39
5550	3.565	3.710	4.169	3.135	0.00	9.68		10.01 dBm/MHz	-0.33
5670	3.072	3.807	3.34	3.8	0.00	9.54		10.01 dBm/MHz	-0.47
5710 (U-NII 2C)	2.959	3.094	3.033	2.692	0.00	8.97		10.01 dBm/MHz	-1.04
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	-2.652	-2.174	-2.626	-2.736	0.00	2.22	5.70	29.70 dBm/500kHz	-24.00
5755	3.911	4.204	4.621	4.544	0.00	2.22	12.57	29.70 dBm/500kHz	-17.13
5795	3.758	3.892	4.1	3.675	0.00	2.22	12.10	29.70 dBm/500kHz	-17.60

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POWER DENSITY 802.11ac VHT80 MODE										
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)	
5210	0.874	1.457	-0.639	-0.078	0.00	6.50		17.00 dBm/MHz	-10.50	
5290	-0.392	-0.506	-0.094	-0.995	0.00	5.54		10.58 dBm/MHz	-5.04	
5530	0.766	0.478	0.898	-0.205	0.00	6.53		10.01 dBm/MHz	-3.48	
5610	0.085	1.115	0.672	-0.419	0.00	6.42		10.01 dBm/MHz	-3.59	
5690 (U-NII 2C)	0.433	0.788	0.484	0.413	0.00	6.55		10.01 dBm/MHz	-3.46	
Frequency (MHz)	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)	
5690 (U-NII 3)	-5.227	-4.499	-6.279	-5.401	0.00	2.22	2.93	29.70 dBm/500kHz	-26.77	
5775	0.935	0.608	1.37	0.812	0.00	2.22	9.18	29.70 dBm/500kHz	-20.52	
POWER DENSITY 802.11ac VHT160 MODE										
Frequency (MHz)	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)	
5250	-2.676	-2.229	-2.894	-3.957	0.00	3.13		10.58 dBm/MHz	-7.45	
5570	-1.841	-1.470	-1.68	-2.914	0.00	4.08		10.01 dBm/MHz	-5.93	
POWER DENSITY 802.11be EHT20 MODE										
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5180	full	10.149	10.489	10.877	9.365	0.00	16.28		17.00 dBm/MHz	-0.72
5220	full	10.794	11.393	11.008	9.97	0.00	16.84		17.00 dBm/MHz	-0.16
5240	full	10.889	11.248	10.189	9.745	0.00	16.58		17.00 dBm/MHz	-0.42
5260	full	4.752	4.110	4.685	4.398	0.00	10.51		10.58 dBm/MHz	-0.07
5300	full	4.375	4.864	4.646	4.079	0.00	10.52		10.58 dBm/MHz	-0.06
5320	full	4.307	4.553	4.918	3.867	0.00	10.45		10.58 dBm/MHz	-0.13
5500	full	3.743	3.541	4.045	3.421	0.00	9.71		10.01 dBm/MHz	-0.30
5580	full	3.420	4.306	4.498	3.381	0.00	9.95		10.01 dBm/MHz	-0.06
5700	full	3.603	4.179	3.87	3.436	0.00	9.80		10.01 dBm/MHz	-0.21
5720 (U-NII 2C)	full	3.748	3.512	3.871	3.308	0.00	9.64		10.01 dBm/MHz	-0.37
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5720 (U-NII 3)	full	-1.839	-1.103	-0.843	-1.93	0.00	2.22	6.84	29.70 dBm/500kHz	-22.86
5745	full	7.426	7.263	7.691	7.422	0.00	2.22	15.69	29.70 dBm/500kHz	-14.01
5785	full	7.597	7.435	7.65	7.318	0.00	2.22	15.74	29.70 dBm/500kHz	-13.96
5825	full	7.702	8.167	8.11	7.127	0.00	2.22	16.04	29.70 dBm/500kHz	-13.66
POWER DENSITY 802.11be EHT40 MODE										
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)		Limit	Margin (dB)
5190	full	5.140	5.423	5.188	4.274	0.00	5.42		17.00 dBm/MHz	-11.58
5230	full	9.711	10.170	9.645	8.791	0.00	10.17		17.00 dBm/MHz	-6.83
5270	full	3.513	3.273	3.226	2.847	0.00	3.51		10.58 dBm/MHz	-7.07
5310	full	2.682	2.627	2.77	1.974	0.00	2.77		10.58 dBm/MHz	-7.81
5510	full	3.296	2.396	2.705	2.481	0.00	3.30		10.01 dBm/MHz	-6.71
5550	full	2.945	2.663	3.092	1.936	0.00	3.09		10.01 dBm/MHz	-6.92
5670	full	2.881	3.478	3.19	3.551	0.00	3.55		10.01 dBm/MHz	-6.46
5710 (U-NII 2C)	full	3.036	2.901	3.043	2.879	0.00	3.04		10.01 dBm/MHz	-6.97
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5710 (U-NII 3)	full	-2.864	-2.283	-1.96	-2.749	0.00	2.22	5.79	29.70 dBm/500kHz	-23.91
5755	full	4.514	4.591	4.473	4.42	0.00	2.22	12.74	29.70 dBm/500kHz	-16.96
5795	full	5.230	5.268	5.51	5.558	0.00	2.22	13.63	29.70 dBm/500kHz	-16.07

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POWER DENSITY 802.11be EHT80 MODE										
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)	Limit	Margin (dB)	
5210	full	3.658	3.208	2.733	3.672	0.00	9.36	17.00 dBm/MHz	-7.64	
5290	full	-0.617	-0.851	-1.355	-1.594	0.00	4.93	10.58 dBm/MHz	-5.65	
5530	full	1.166	0.810	1.156	0.466	0.00	6.93	10.01 dBm/MHz	-3.08	
5610	full	0.036	0.711	0.561	-0.279	0.00	6.30	10.01 dBm/MHz	-3.71	
5690 (U-NII 2C)	full	0.519	0.307	0.347	0.461	0.00	6.43	10.01 dBm/MHz	-3.58	
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/300kHz)	Ch1 meas PSD (dBm/300kHz)	Ch2 meas PSD (dBm/300kHz)	Ch3 meas PSD (dBm/300kHz)	Duty Factor (dB)	10log (500kHz/RBW) Factor(dB)	Total Corr'd PSD (dBm/500kHz)	Limit	Margin (dB)
5690 (U-NII 3)	full	-5.290	-4.597	-6.069	-5.549	0.00	2.22	2.90	29.70 dBm/500kHz	-26.80
5775	full	0.384	0.510	1.078	1.227	0.00	2.22	9.06	29.70 dBm/500kHz	-20.64
POWER DENSITY 802.11be EHT160 MODE										
Frequency (MHz)	RU config.	Ch0 meas PSD (dBm/MHz)	Ch1 meas PSD (dBm/MHz)	Ch2 meas PSD (dBm/MHz)	Ch3 meas PSD (dBm/MHz)	Duty Factor (dB)	Total Corr'd PSD(dBm/MHz)	Limit	Margin (dB)	
5250	full	-2.508	-1.787	-2.89	-3.626	0.00	3.37	10.58 dBm/MHz	-7.21	
5570	full	-1.331	-1.668	-1.643	-2.532	0.00	4.25	10.01 dBm/MHz	-5.76	

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