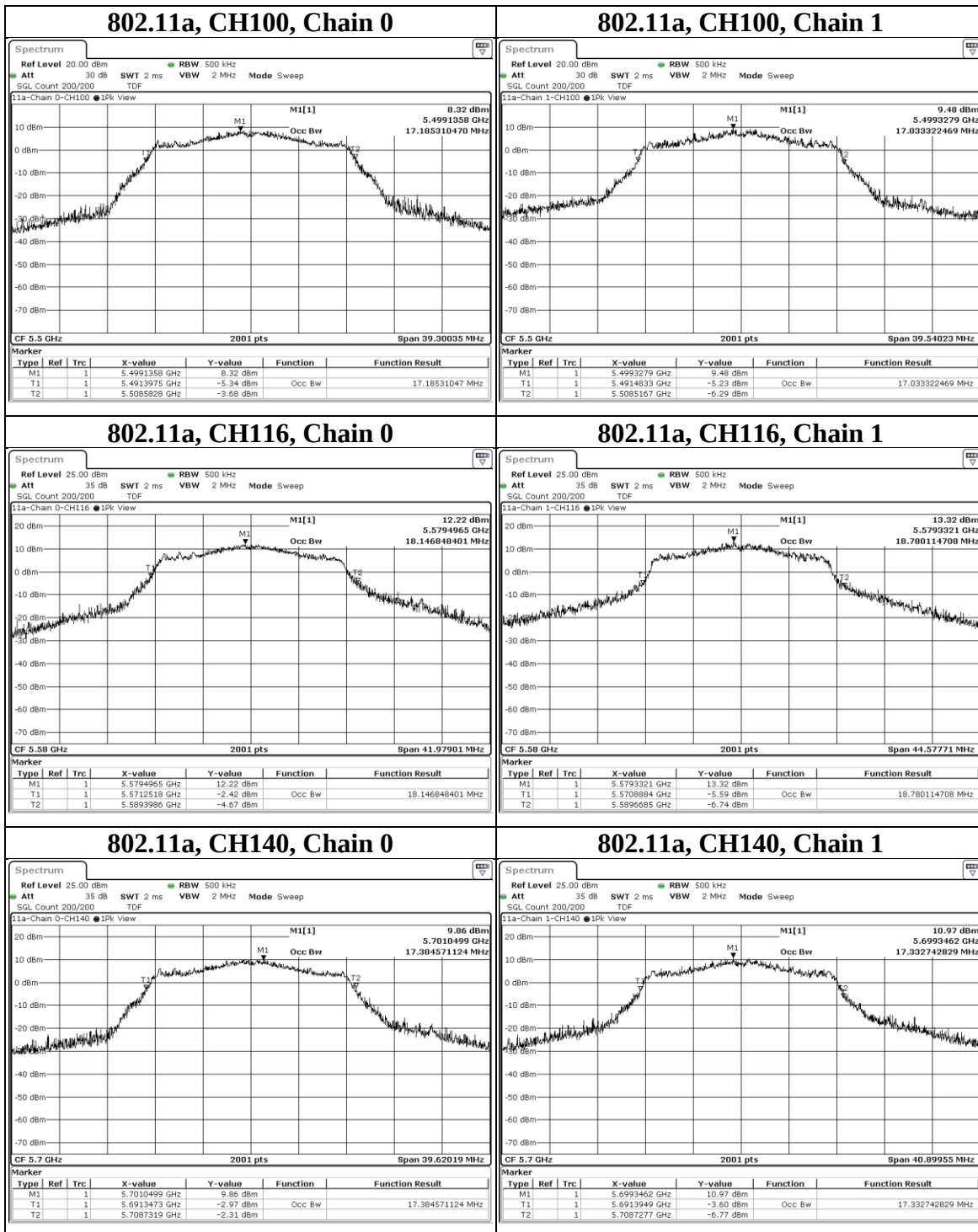
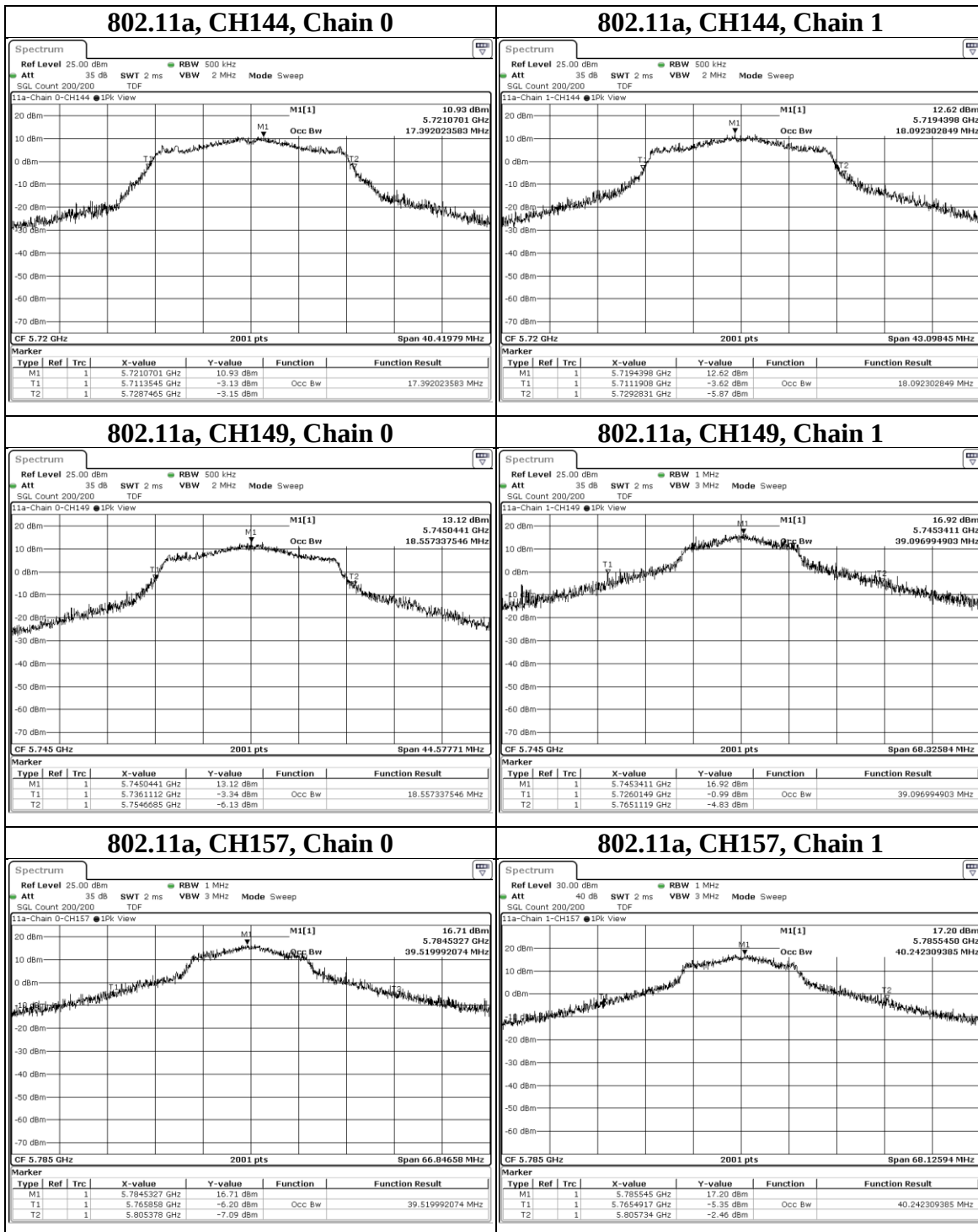
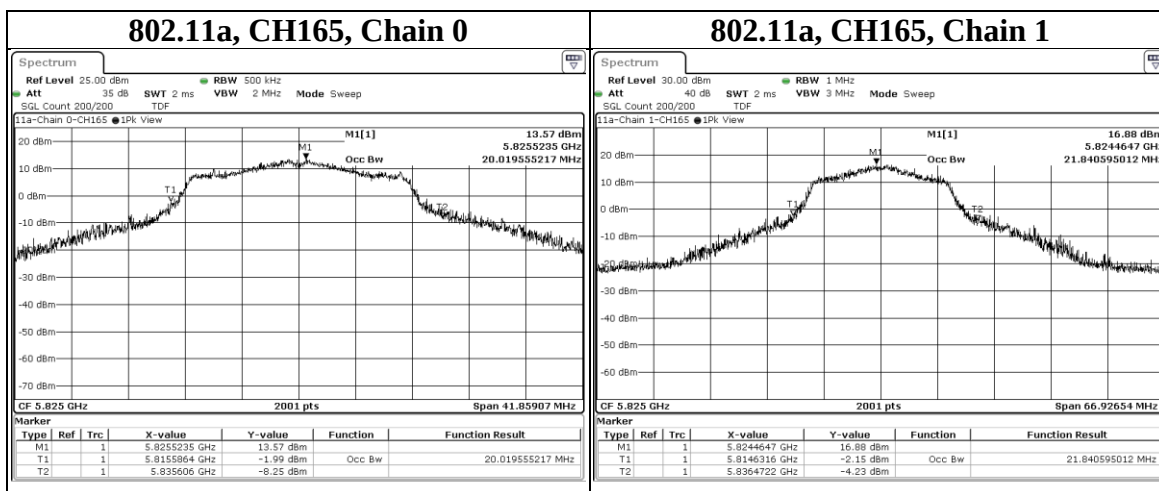








Mode	CH	Freq (MHz)	OBW (MHz)		Limit (MHz)	Result
			Chain 0	Chain 1		
802.11ax(HE20)	36	5180	19.023	19.059	N/A	PASS
	44	5220	19.317	19.435	N/A	PASS
	48	5240	19.343	19.719	N/A	PASS
	52	5260	19.349	19.91	N/A	PASS
	60	5300	19.087	19.367	N/A	PASS
	64	5320	19.118	19.144	N/A	PASS
	100	5500	19.102	19.105	N/A	PASS
	116	5580	19.417	19.789	N/A	PASS
	140	5700	19.025	19.072	N/A	PASS
	144 (U-NII-2C)	5720	14.6	14.746	N/A	PASS
	144 (U-NII-2C+U-NII-3)	5720	19.244	19.651	N/A	PASS
	144 (U-NII-3)	5720	4.644	4.906	N/A	PASS
	149	5745	19.75	26.425	N/A	PASS
	157	5785	22.493	52.899	N/A	PASS
	165	5825	19.477	25.051	N/A	PASS

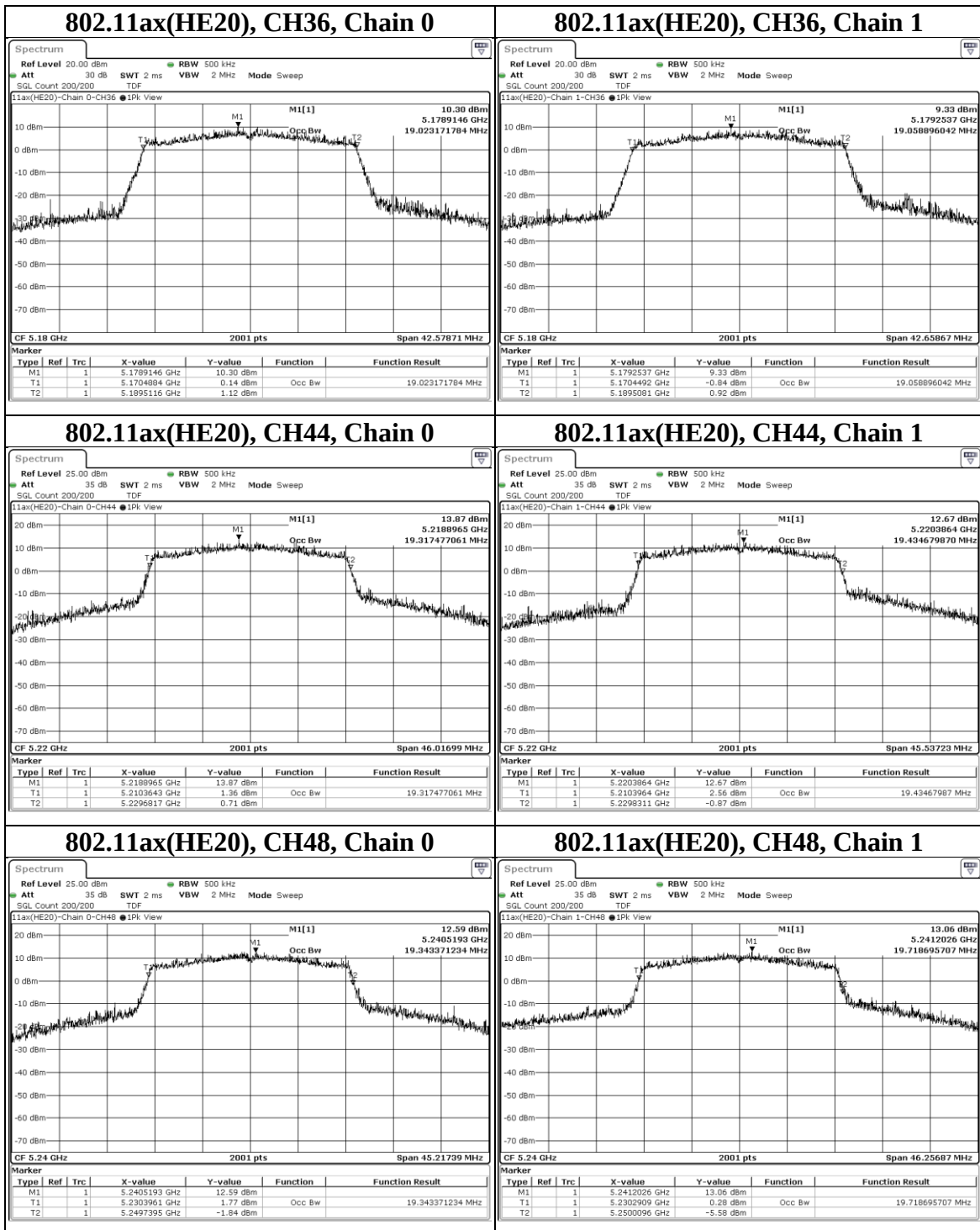
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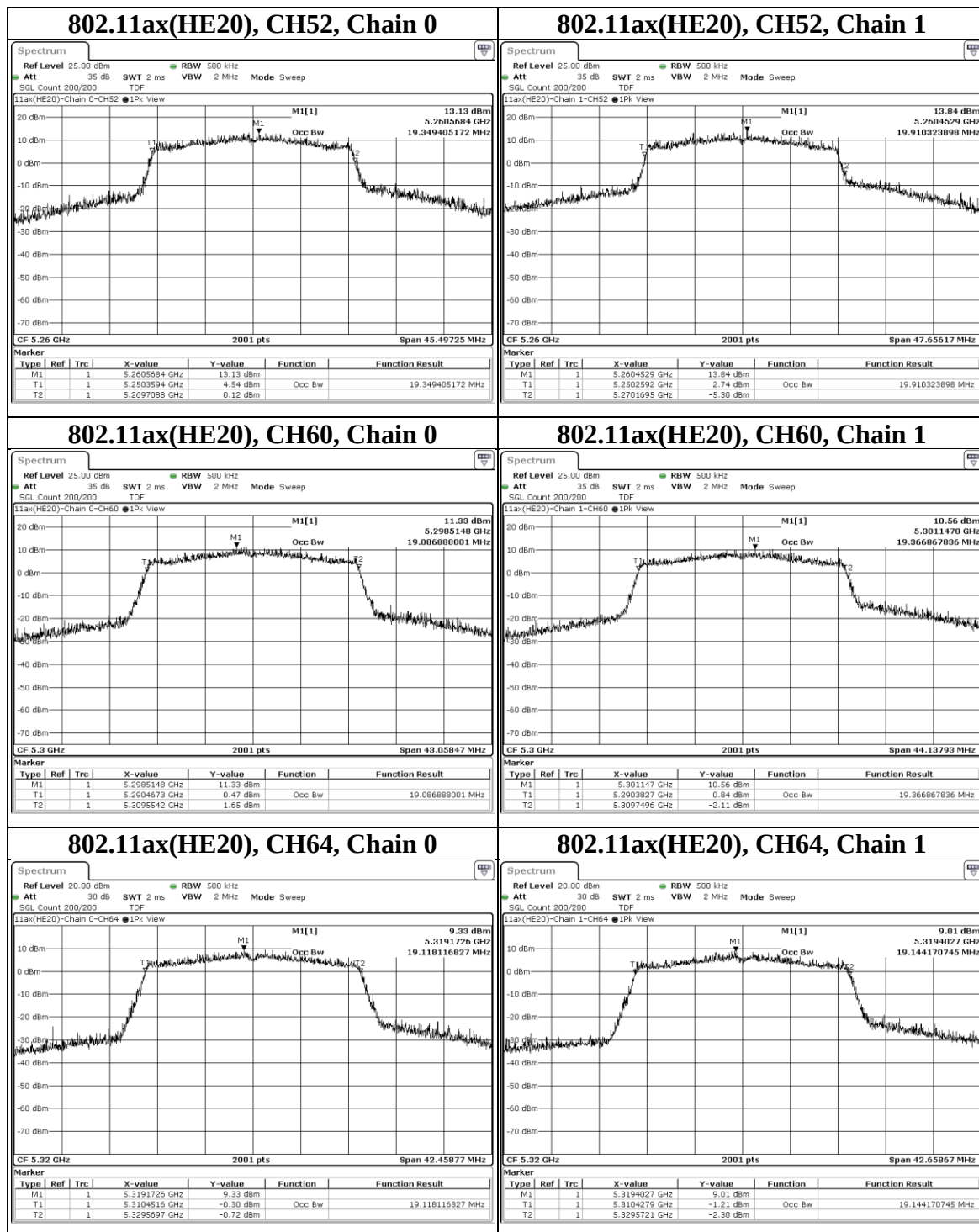
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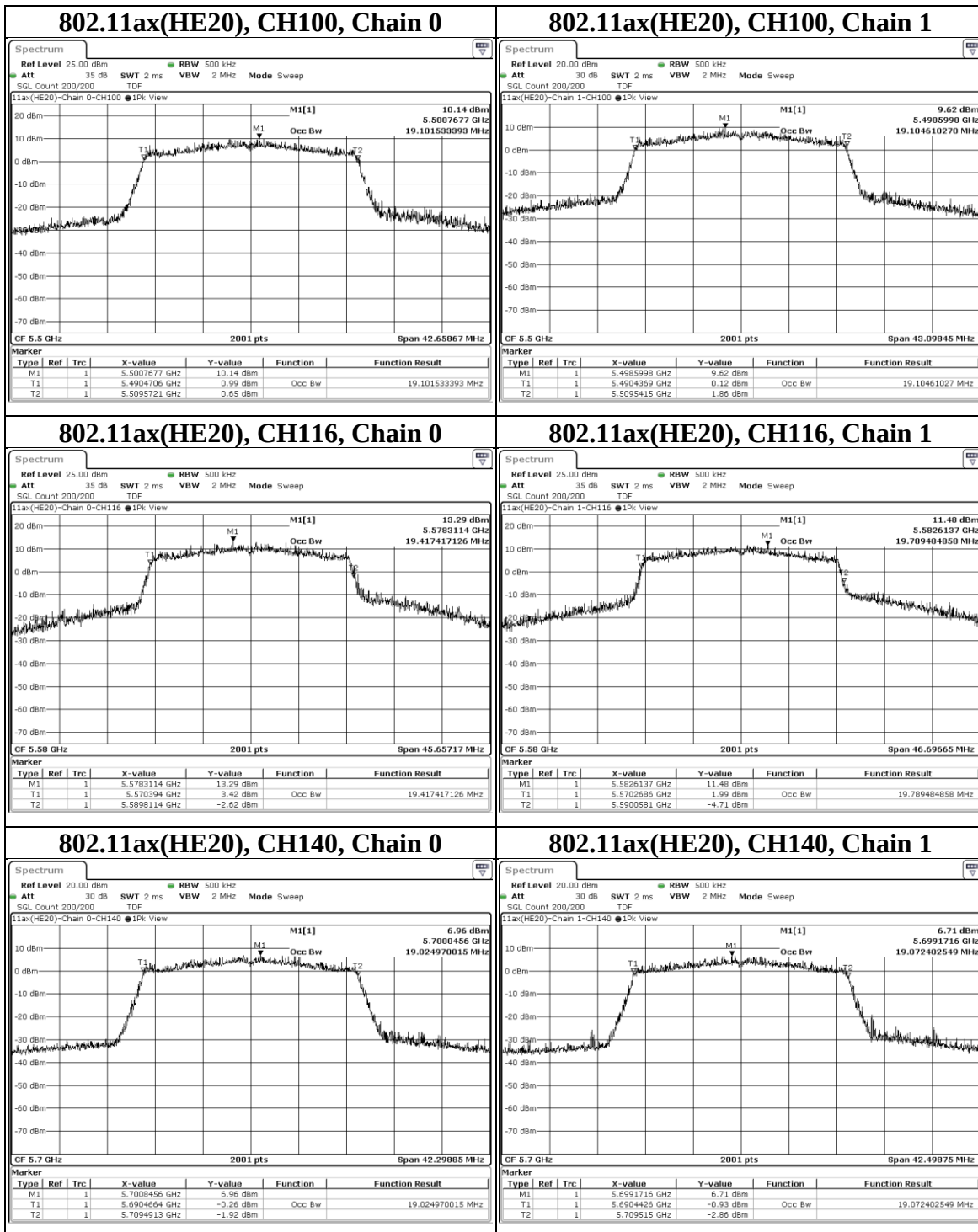
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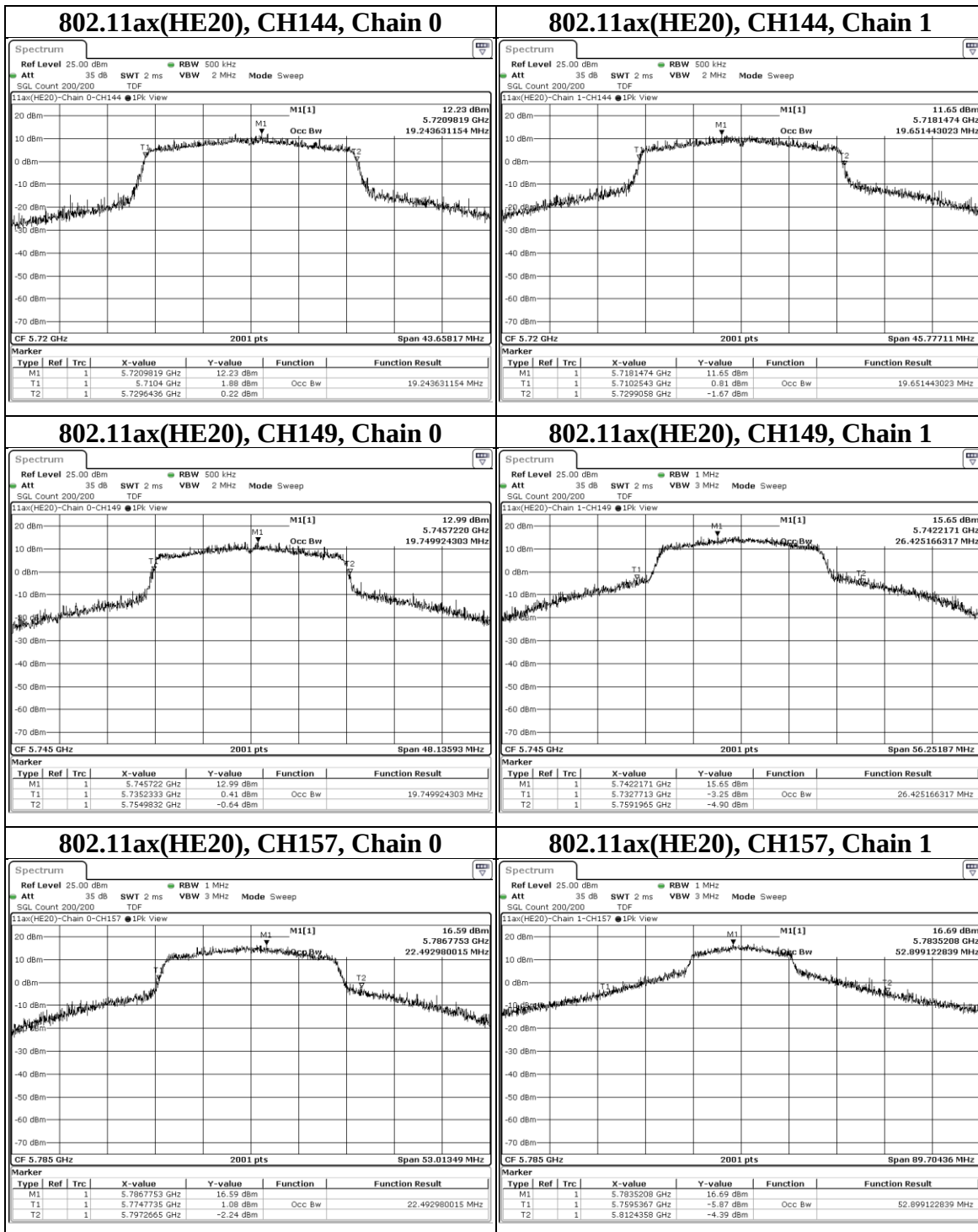
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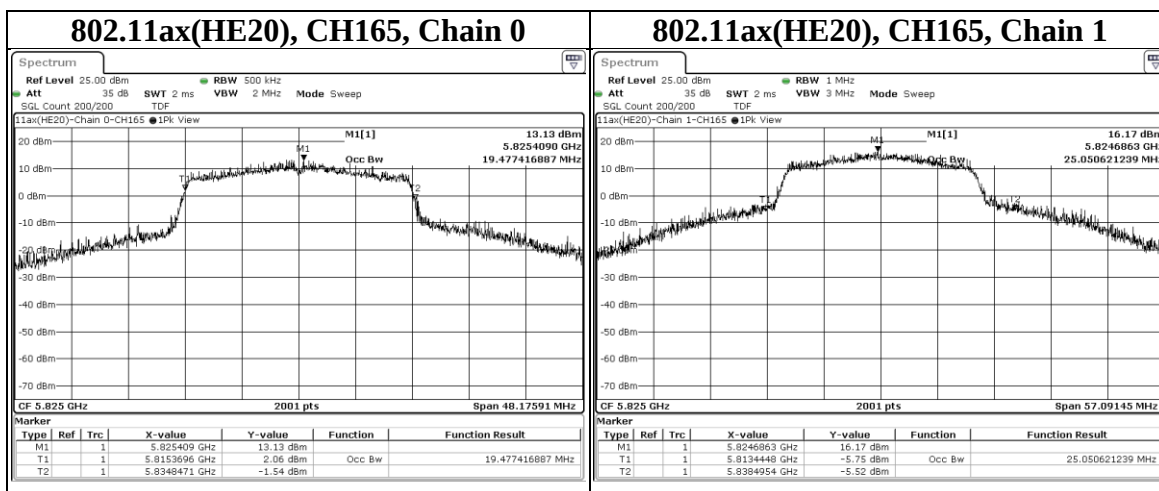
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Mode	CH	Freq (MHz)	OBW (MHz)		Limit (MHz)	Result
			Chain 0	Chain 1		
802.11ax(HE40)	38	5190	37.786	37.785	N/A	PASS
	46	5230	38.029	37.962	N/A	PASS
	54	5270	37.928	37.852	N/A	PASS
	62	5310	37.747	37.826	N/A	PASS
	102	5510	37.825	37.782	N/A	PASS
	110	5550	37.933	37.964	N/A	PASS
	134	5670	38	38.019	N/A	PASS
	142 (U-NII-2C)	5710	33.982	34.146	N/A	PASS
	142 (U-NII-2C+U-NII-3)	5710	38.126	38.682	N/A	PASS
	142 (U-NII-3)	5710	4.144	4.536	N/A	PASS
	151	5755	39.122	43.539	N/A	PASS
	159	5795	38.395	38.616	N/A	PASS

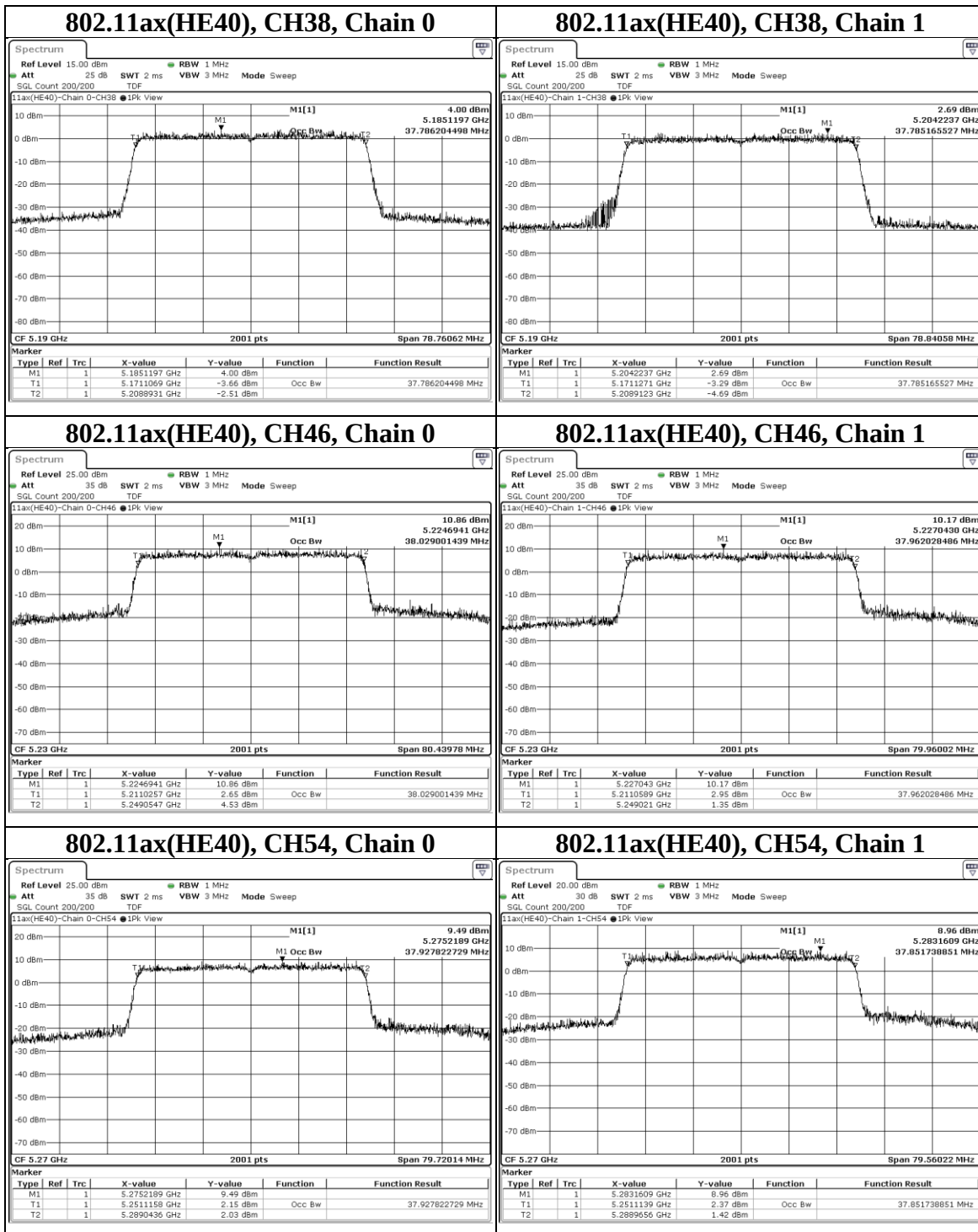
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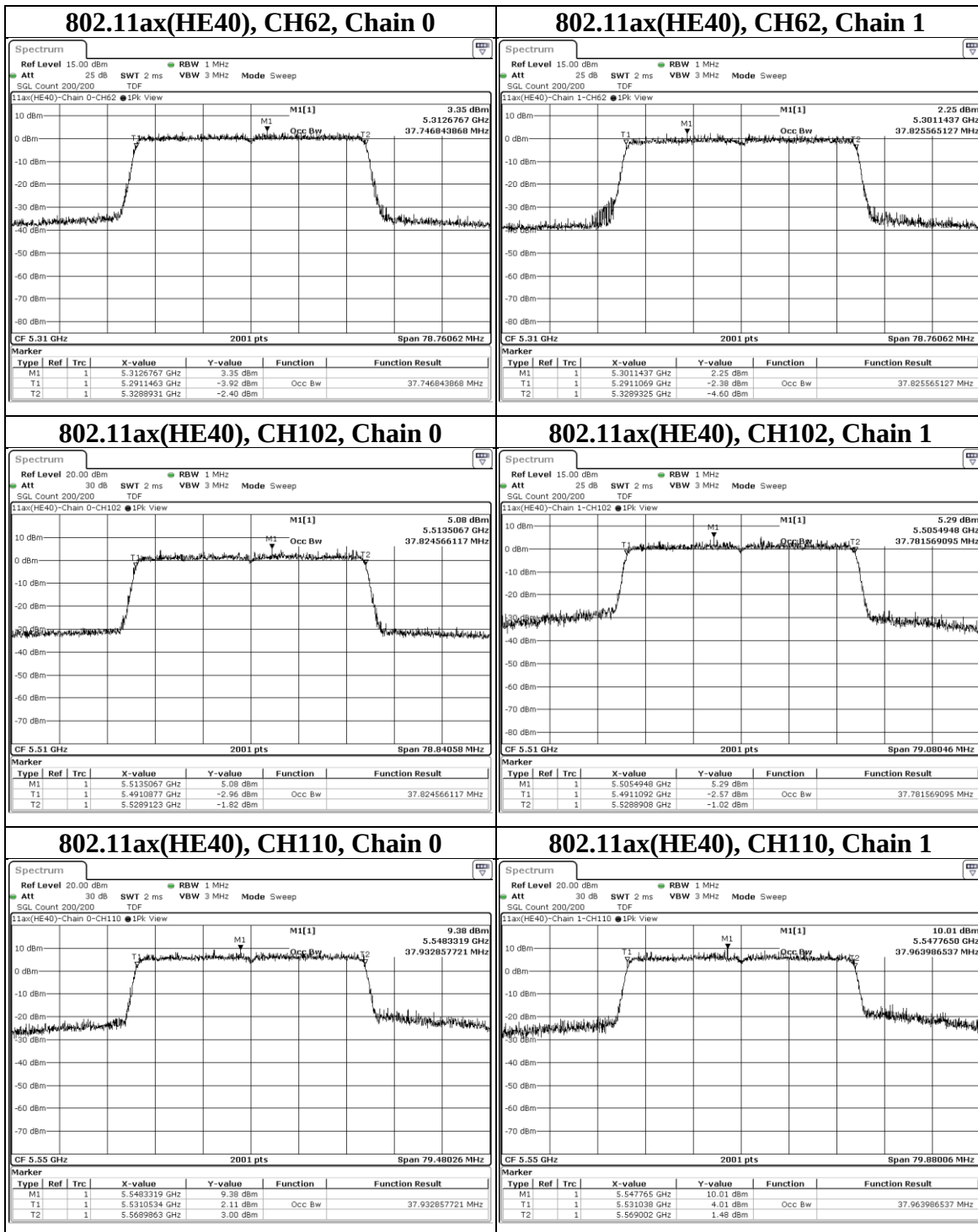
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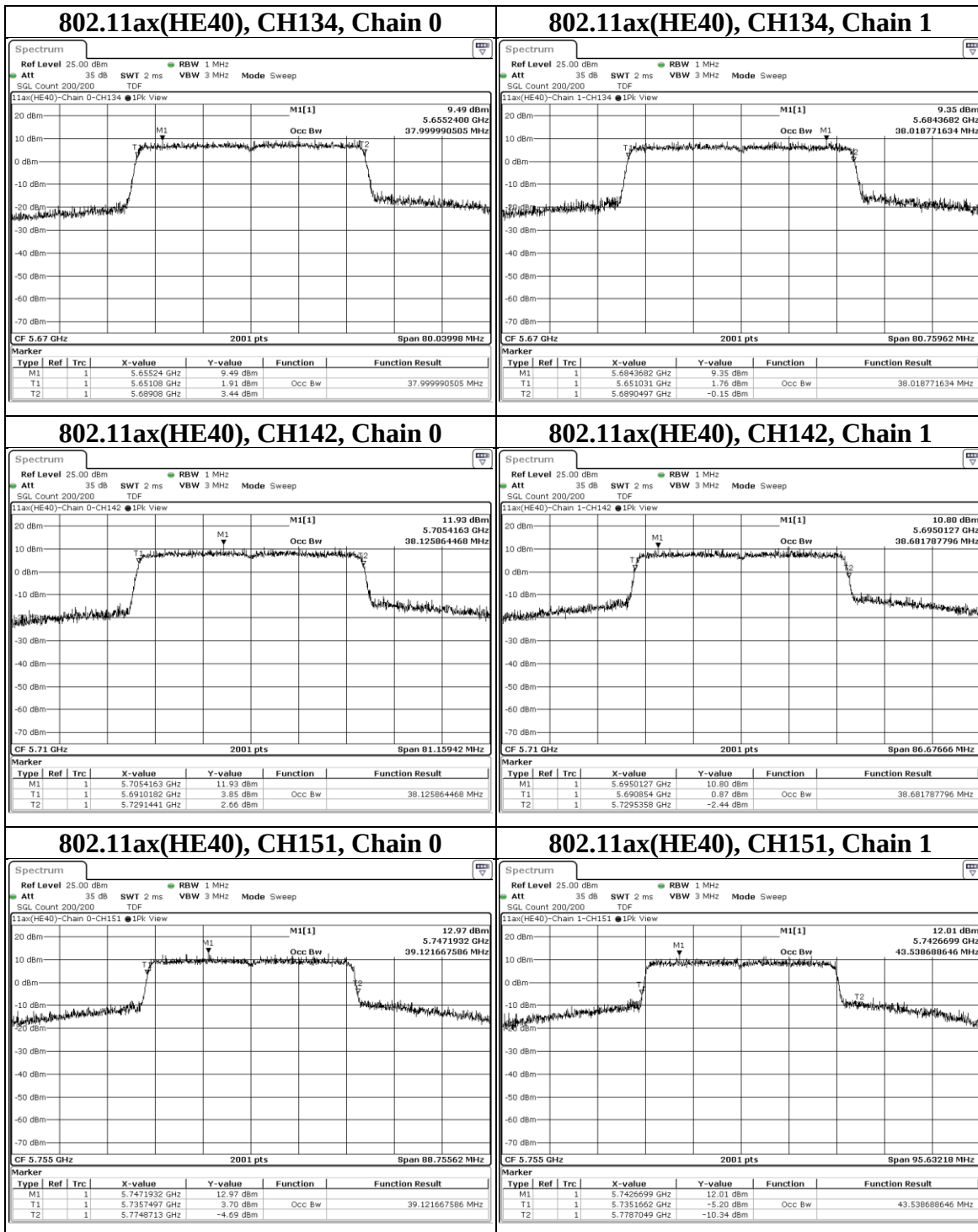
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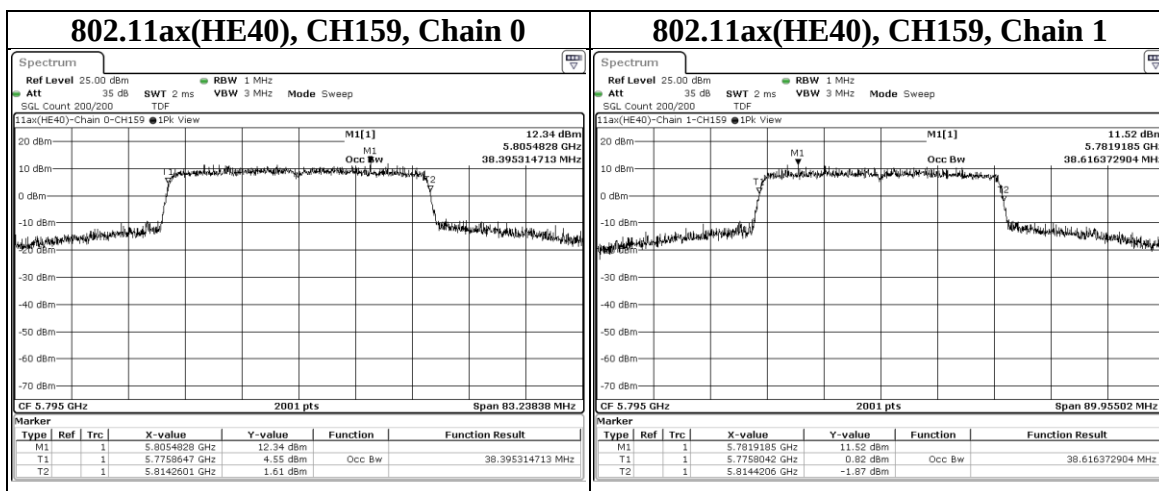
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Mode	CH	Freq (MHz)	OBW (MHz)		Limit (MHz)	Result
			Chain 0	Chain 1		
802.11ax(HE80)	42	5210	78.201	78.121	N/A	PASS
	58	5290	78.041	78.041	N/A	PASS
	106	5530	78.121	78.041	N/A	PASS
	122	5610	78.361	78.521	N/A	PASS
	138 (U-NII-2C)	5690	74.26	75.14	N/A	PASS
	138 (U-NII-2C+U-NII-3)	5690	79.24	81.159	N/A	PASS
	138 (U-NII-3)	5690	4.98	6.019	N/A	PASS
	155	5775	78.761	78.921	N/A	PASS

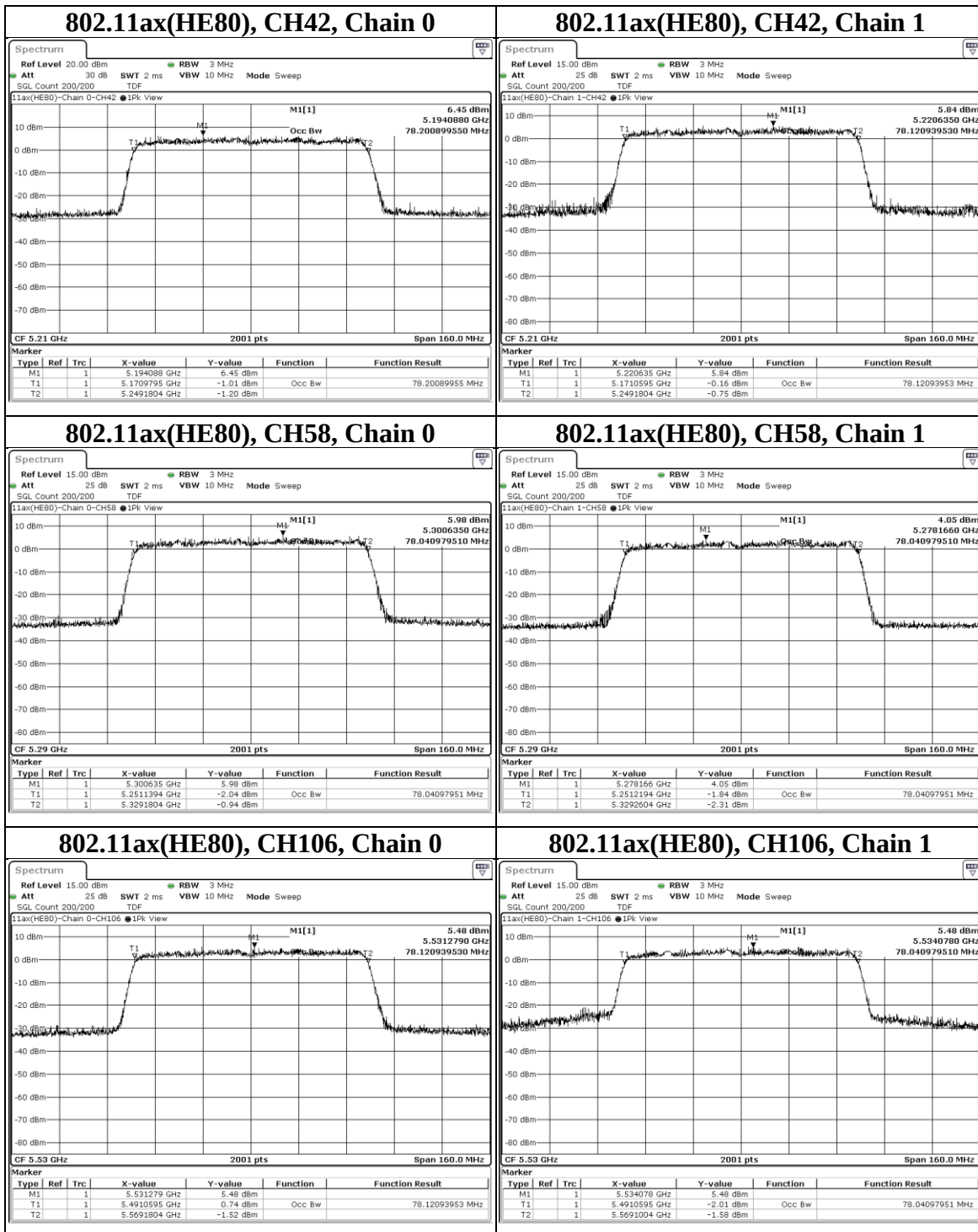
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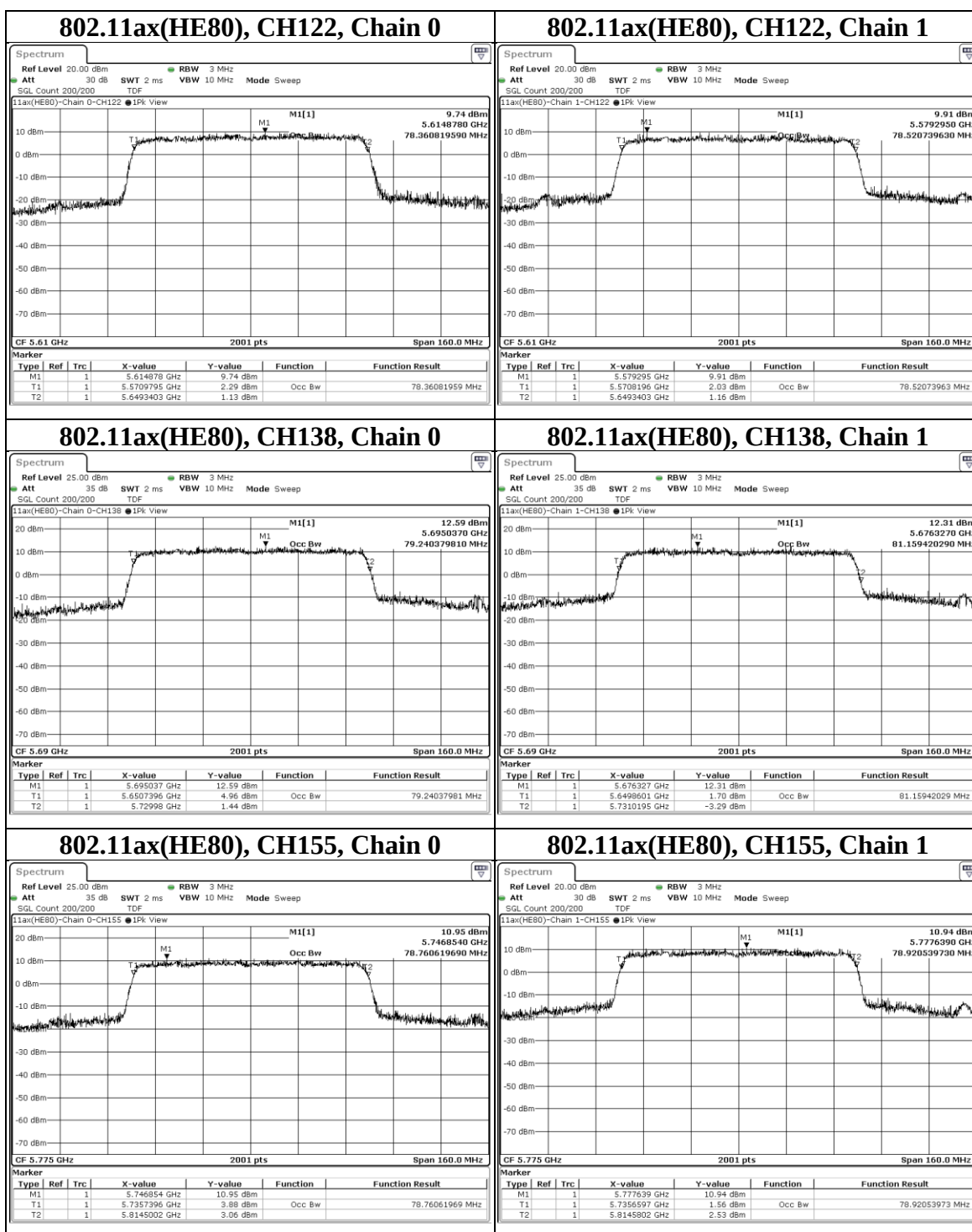
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9.4. Conducted output power

Requirements

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	1 Watt (30 dBm) Max. e.i.r.p $\leq$ 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
		Fixed point-to-point Access Point	1 Watt (30 dBm) If $G_{TX} > 23$ dBi, then $P_{Out} = 30 - (G_{TX} - 23)$
		Indoor Access Point	1 Watt (30 dBm) If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$
	√	Client device	250mW (24 dBm) If $G_{TX} > 6$ dBi, then $P_{Out} = 23.98 - (G_{TX} - 6)$
U-NII-2A	√		250mW (24 dBm) or 11 dBm+10 log B* If $G_{TX} > 6$ dBi, then $P_{Out} = 23.98 - (G_{TX} - 6)$
U-NII-2C	√		250mW (24 dBm) or 11 dBm+10 log B* If $G_{TX} > 6$ dBi, then $P_{Out} = 23.98 - (G_{TX} - 6)$
U-NII-3	√		For Point-to-multipoint systems (P2M): 1 Watt (30 dBm). If $G_{TX} > 6$ dBi, then $P_{Out} = 30 - (G_{TX} - 6)$ For Point-to-point systems (P2P): 1 Watt (30 dBm)

Note:

- P_{Out} = maximum conducted output power in dBm,
- G_{TX} = the maximum transmitting antenna directional gain in dBi.
- B is the 26 dB emission bandwidth in megahertz
- Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20})^2 / N_{ant}]$ dBi.

N_{ant} : Number of Transmit Antennas
 $G1, G2, \dots, Gn$: Gain of Individual Antennas
- Per KDB 662911 Method of conducted output power measurement on IEEE 802.11 devices,

Array Gain = 0 dB (i.e., no array gain) for $N_{ANT} \leq 4$;
Array Gain = 0 dB (i.e., no array gain) for channel widths ≥ 40 MHz for any N_{ANT} ;
Array Gain = $5 \log(N_{ANT}/N_{SS})$ dB or 3 dB, whichever is less for 20-MHz channel widths with $N_{ANT} \geq 5$.

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6. For example, AD-301N with the highest antenna gain (5.8 dBi), so it was used for transmit power measurement

For Non-Beamforming Mode,

$$\text{Directional gain} = 5.8 \text{ dBi} + \text{Array Gain} = 5.8 \text{ dBi} + 0 \text{ dB} = 5.8 \text{ dBi}$$

For Beamforming Mode,

$$\begin{aligned}\text{Directional Gain} &= 10 \log[(10^{G1/20} + 10^{G2/20})^2 / N_{\text{ant}}] \text{ dBi} \\ &= 10 \log[(10^{5.8/20} + 10^{5.8/20})^2 / 2] \text{ dBi} \\ &= 10 \log[(10^{5.8/20} + 10^{5.8/20})^2 / 2] \text{ dBi} \\ &= 8.81 \text{ dBi}\end{aligned}$$

7. Straddle Channel Power in each band = Straddle Channel Total Power * (Each band EBW / Straddle Channel Total EBW).

Test Procedure

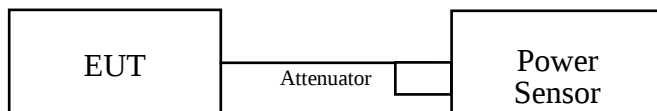
For Average Power Measurement

Test method PM

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst and set the detector to AVERAGE. Duty factor is not added to measured value.

Test Setup

For Average Power Measurement



The loss between RF output port of the EUT and the input port of the Power Meter has been taken into consideration.

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Test Data

Non-Beamforming mode

802.11a

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
36	5180	14.66	13.01	49.204	16.92	23.98	PASS
44	5220	14.90	14.72	60.534	17.82	23.98	PASS
48	5240	15.26	14.48	61.66	17.90	23.98	PASS
52	5260	14.05	13.50	47.753	16.79	23.98	PASS
60	5300	15.64	15.34	70.795	18.50	23.98	PASS
64	5320	12.68	12.13	34.834	15.42	23.98	PASS
100	5500	13.08	12.60	38.548	15.86	23.98	PASS
116	5580	16.84	17.20	100.693	20.03	23.98	PASS
140	5700	14.60	14.62	57.81	17.62	23.98	PASS
144 (U-NII-2c Band)	5720	13.55	14.24	49.204	16.92	22.96	PASS
144 (U-NII-3 Band)	5720	11.62	10.83	26.607	14.25	30	PASS
149	5745	17.26	18.83	129.718	21.13	30	PASS
157	5785	18.44	19.56	160.325	22.05	30	PASS
165	5825	18.33	19.16	150.661	21.78	30	PASS

Note: The directional gain = 5.8 dBi < 6 dBi, so the power limit shall not be reduced.

For Reference only – Straddle Channels Total Power

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
144	5720	15.70	15.87	75.858	18.80

Note: The total power was calculated through formula and record the value for reference only.

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802.11ax (HE20)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
36	5180	13.08	12.67	38.815	15.89	23.98	PASS
44	5220	17.14	16.77	99.312	19.97	23.98	PASS
48	5240	17.03	16.56	95.719	19.81	23.98	PASS
52	5260	16.79	16.65	93.972	19.73	23.98	PASS
60	5300	14.69	14.00	54.576	17.37	23.98	PASS
64	5320	12.76	12.10	35.075	15.45	23.98	PASS
100	5500	13.22	12.60	39.174	15.93	23.98	PASS
116	5580	16.99	16.91	99.083	19.96	23.98	PASS
140	5700	10.71	10.46	22.909	13.60	23.98	PASS
144 (U-NII-2c Band)	5720	13.77	13.60	46.666	16.69	22.98	PASS
144 (U-NII-3 Band)	5720	10.99	11.33	26.122	14.17	30	PASS
149	5745	16.92	17.10	100.462	20.02	30	PASS
157	5785	18.33	19.35	154.17	21.88	30	PASS
165	5825	17.10	18.00	114.288	20.58	30	PASS

Note: The directional gain = 5.8 dBi < 6 dBi, so the power limit shall not be reduced.

For Reference only – Straddle Channels Total Power

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
144	5720	15.61	15.62	72.946	18.63

Note: The total power was calculated through formula and record the value for reference only.

802.11ax (HE40)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
38	5190	8.16	6.89	11.429	10.58	23.98	PASS
46	5230	14.31	13.81	51.05	17.08	23.98	PASS
54	5270	13.37	12.96	41.495	16.18	23.98	PASS
62	5310	7.65	6.51	10.304	10.13	23.98	PASS
102	5510	8.36	8.16	13.397	11.27	23.98	PASS
110	5550	13.10	12.86	39.719	15.99	23.98	PASS
134	5670	13.94	13.58	47.534	16.77	23.98	PASS
142 (U-NII-2c Band)	5710	13.33	13.02	41.591	16.19	23.98	PASS
142 (U-NII-3 Band)	5710	10.81	10.13	22.336	13.49	30	PASS
151	5755	16.88	16.18	90.157	19.55	30	PASS
159	5795	15.91	15.39	73.621	18.67	30	PASS

Note: The directional gain = 5.8 dBi < 6 dBi, so the power limit shall not be reduced.

For Reference only – Straddle Channels Total Power

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
142	5710	15.26	14.82	63.973	18.06

Note: The total power was calculated through formula and record the value for reference only.

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802.11ax (HE80)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
42	5210	8.62	7.73	13.213	11.21	23.98	PASS
58	5290	7.20	6.38	9.594	9.82	23.98	PASS
106	5530	7.58	7.60	11.482	10.60	23.98	PASS
122	5610	11.96	11.91	31.261	14.95	23.98	PASS
138 (U-NII-2c Band)	5690	13.05	13.35	41.783	16.21	23.98	PASS
138 (U-NII-3 Band)	5690	10.42	9.68	20.324	13.08	30	PASS
155	5775	13.43	13.21	42.954	16.33	30	PASS

Note: The directional gain = 5.8 dBi < 6 dBi, so the power limit shall not be reduced.

For Reference only – Straddle Channels Total Power

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
138	5690	14.94	14.90	62.087	17.93

Note: The total power was calculated through formula and record the value for reference only.

Beamforming mode:

802.11ax (HE20)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
36	5180	12.91	12.40	36.898	15.67	21.17	PASS
44	5220	16.90	16.47	93.325	19.70	21.17	PASS
48	5240	17.02	16.29	92.897	19.68	21.17	PASS
52	5260	17.01	16.33	93.111	19.69	21.17	PASS
60	5300	14.40	13.74	51.168	17.09	21.17	PASS
64	5320	12.46	11.83	32.885	15.17	21.17	PASS
100	5500	12.97	12.30	36.813	15.66	21.17	PASS
116	5580	16.83	16.61	93.972	19.73	21.17	PASS
140	5700	10.49	10.22	21.727	13.37	21.17	PASS
144 (U-NII-2c Band)	5720	13.51	13.31	43.853	16.42	20.17	PASS
144 (U-NII-3 Band)	5720	10.73	11.04	24.547	13.90	27.19	PASS
149	5745	16.67	16.87	95.06	19.78	27.19	PASS
157	5785	18.16	19.06	145.881	21.64	27.19	PASS
165	5825	16.80	17.70	106.66	20.28	27.19	PASS

Note: The directional gain = 8.81 dBi > 6 dBi, so the power limit shall be reduced.

For Reference only – Straddle Channels Total Power

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
144	5720	15.35	15.33	68.391	18.35

Note: The total power was calculated through formula and record the value for reference only.

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802.11ax (HE40)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
38	5190	7.98	6.64	10.889	10.37	21.17	PASS
46	5230	14.15	13.59	48.865	16.89	21.17	PASS
54	5270	13.14	12.78	39.537	15.97	21.17	PASS
62	5310	7.44	6.29	9.795	9.91	21.17	PASS
102	5510	8.19	7.87	12.706	11.04	21.17	PASS
110	5550	12.81	12.67	37.584	15.75	21.17	PASS
134	5670	13.76	13.36	45.394	16.57	21.17	PASS
142 (U-NII-2c Band)	5710	13.13	12.82	39.719	15.99	21.17	PASS
142 (U-NII-3 Band)	5710	10.61	9.93	21.33	13.29	27.19	PASS
151	5755	16.71	15.90	85.704	19.33	27.19	PASS
159	5795	15.73	15.10	69.823	18.44	27.19	PASS

Note: The directional gain = 8.81 dBi > 6 dBi, so the power limit shall be reduced.

For Reference only – Straddle Channels Total Power

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
142	5710	15.06	14.62	61.094	17.86

Note: The total power was calculated through formula and record the value for reference only.

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802.11ax (HE80)

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)	Power Limit (dBm)	Pass/Fail
		Chain 0	Chain 1				
42	5210	8.46	7.47	12.589	11.00	21.17	PASS
58	5290	6.95	6.13	9.057	9.57	21.17	PASS
106	5530	7.35	7.36	10.889	10.37	21.17	PASS
122	5610	11.78	11.72	29.923	14.76	21.17	PASS
138 (U-NII-2c Band)	5690	12.84	13.07	39.446	15.96	21.17	PASS
138 (U-NII-3 Band)	5690	10.21	9.40	19.231	12.84	27.19	PASS
155	5775	13.23	13.03	41.115	16.14	27.19	PASS

Note: The directional gain = 8.81 dBi > 6 dBi, so the power limit shall be reduced.

For Reference only – Straddle Channels Total Power

Channel	Channel Frequency (MHz)	Maximum Conducted Power (dBm)		Total Power (mW)	Total Power (dBm)
		Chain 0	Chain 1		
138	5690	14.73	14.62	58.749	17.69

Note: The total power was calculated through formula and record the value for reference only.

9.5. Power Spectral Density

Requirements

Operation Band	EUT Category		Limit
U-NII-1		Outdoor Access Point	17dBm/ MHz If $G_{TX} > 6$ dBi, then $PSD = 17 - (G_{TX} - 6)$
		Fixed point-to-point Access Point	17dBm/ MHz If $G_{TX} > 23$ dBi, then $PSD = 17 - (G_{TX} - 23)$
		Indoor Access Point	17dBm/ MHz If $G_{TX} > 6$ dBi, then $PSD = 17 - (G_{TX} - 6)$
	√	Client device	11dBm/ MHz If $G_{TX} > 6$ dBi, then $PSD = 11 - (G_{TX} - 6)$
U-NII-2A	√		11dBm/ MHz If $G_{TX} > 6$ dBi, then $PSD = 11 - (G_{TX} - 6)$
U-NII-2C	√		11dBm/ MHz If $G_{TX} > 6$ dBi, then $PSD = 11 - (G_{TX} - 6)$
U-NII-3	√		For Point-to-multipoint systems (P2M): 30dBm/ 500kHz. If $G_{TX} > 6$ dBi, then $PSD = 30 - (G_{TX} - 6)$ For Point-to-point systems (P2P): 30dBm/ 500kHz

Note:

- PSD = power spectral density that he same method as used to determine the conducted output power shall be used to determine the power spectral density. And power spectral density in dBm/MHz
- G_{TX} = the maximum transmitting antenna directional gain in dBi.
- Directional Gain = $10 \log[(10^{G1/20} + 10^{G2/20} + \dots + 10^{Gn/20})^2 / Nant]$ dBi.

Nant: Number of Transmit Antennas

G1, G2,..., Gn: Gain of Individual Antennas

For example AD-301N with the highest antenna gain (5.8 dBi), so it was used for power spectral measurement

$$\begin{aligned}
 \text{Directional Gain} &= 10 \log[(10^{G1/20} + 10^{G2/20})^2 / Nant] \text{ dBi} \\
 &= 10 \log[(10^{5.8/20} + 10^{5.8/20})^2 / 2] \text{ dBi} \\
 &= 10 \log[(10^{5.8/20} + 10^{5.8/20})^2 / 2] \text{ dBi} \\
 &= 8.81 \text{ dBi}
 \end{aligned}$$

- "PSD per chain" of the report shown is maximum value for each chain, at the "Total PSD" is summing entire spectra across corresponding frequency bins on the various outputs by computer, refer KDB 662911 Method a) for calculating total power density.

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Doc No: Form-ULID-004739 (DCS:17-EM-F0878) / 6.1

Test procedure

For U-NII-1, U-NII-2A, U-NII-2C band:

Using method as below:

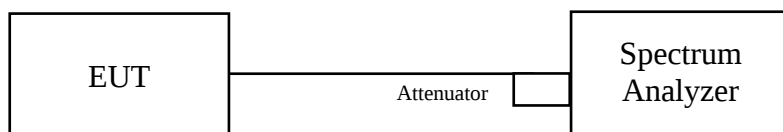
- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 1 MHz, Set VBW $\geq$ 3 RBW, Detector = RMS
- Sweep time = auto, trigger set to “free run”.
- Trace average at least 100 traces in power averaging mode.
- Record the max value. (if Duty cycle <98 %, add 10 log (1/duty cycle))

For U-NII-3 band:

Using method as below:

- Set span to encompass the entire emission bandwidth (EBW) of the signal.
- Set RBW = 300 kHz, Set VBW $\geq$ 1 MHz, Detector = RMS
- Use the peak marker function to determine the maximum power level in any 300 kHz band segment within the fundamental EBW.
- Scale the observed power level to an equivalent value in 500 kHz by adjusting (reducing) the measured power by a bandwidth correction factor (BWCF) where $BWCF = 10 \log (500 \text{ kHz}/300\text{kHz})$
- Sweep time = auto, trigger set to “free run”.
- Trace average at least 100 traces in power averaging mode.
- Record the max value. (if Duty cycle <98 %, add 10 log (1/duty cycle))

Test Setup



The loss between RF output port of the EUT and the input port of the Spectrum Analyzer has been taken into consideration.

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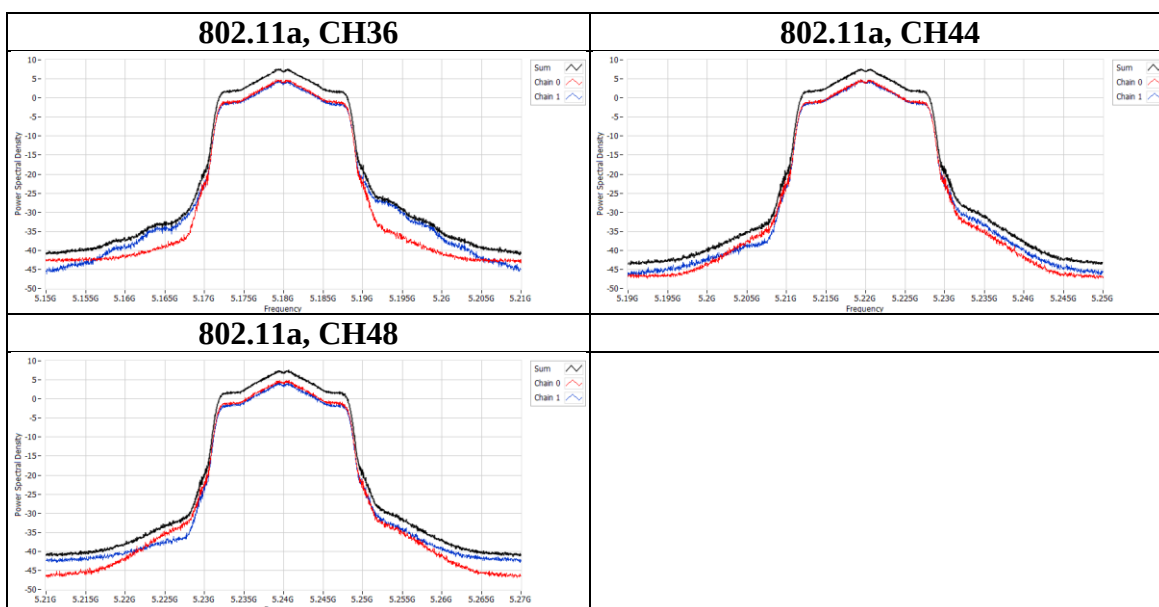
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Doc No: Form-ULID-004739 (DCS:17-EM-F0878) / 6.1

Test Data

Mode (U-NII-1)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11a	36	5180	8.81	7.67	8.19	PASS
	44	5220	8.81	7.54	8.19	PASS
	48	5240	8.81	7.67	8.19	PASS

Mode (U-NII-1)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11a	36	5180	4.764	4.632
	44	5220	4.791	4.732
	48	5240	4.891	4.418



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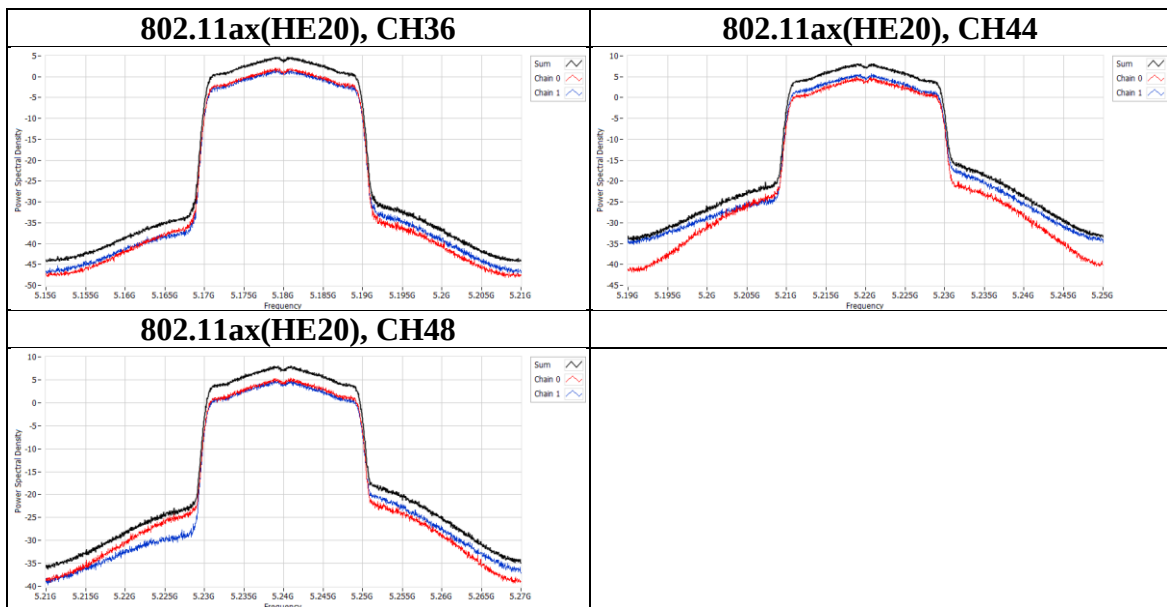
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Doc No: Form-ULID-004739 (DCS:17-EM-F0878) / 6.1

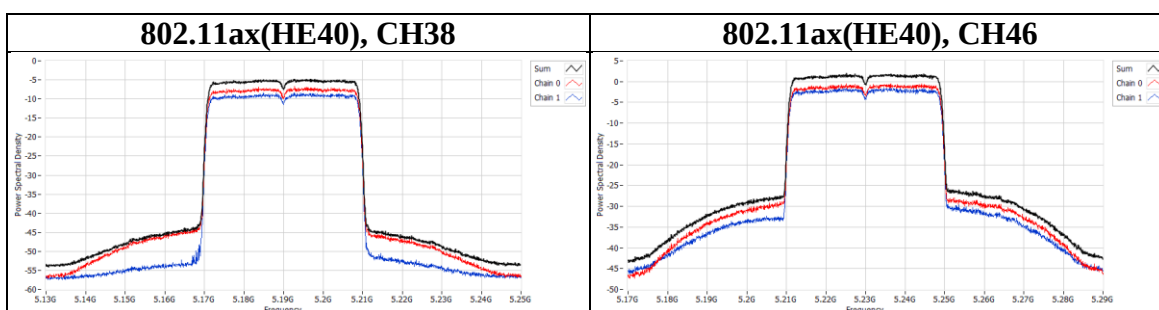
Mode (U-NII-1)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11ax(HE20)	36	5180	8.81	4.74	8.19	PASS
	44	5220	8.81	8.14	8.19	PASS
	48	5240	8.81	7.97	8.19	PASS

Mode (U-NII-1)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11ax(HE20)	36	5180	2.062	1.531
	44	5220	4.988	5.777
	48	5240	5.427	4.766



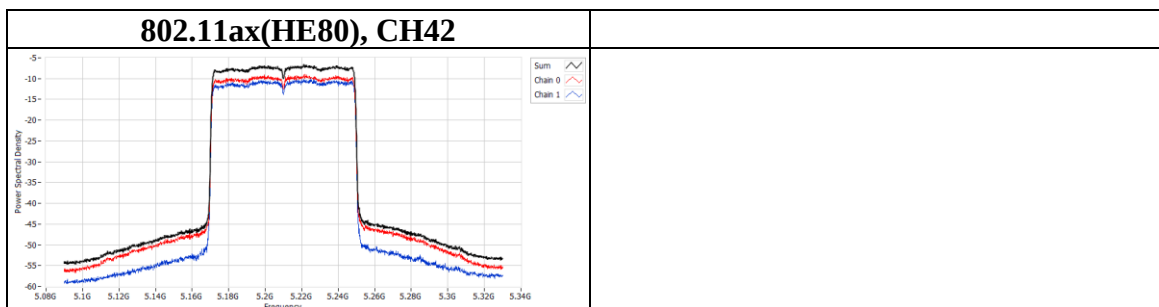
Mode (U-NII-1)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11ax(HE40)	38	5190	8.81	-4.74	8.19	PASS
	46	5230	8.81	2	8.19	PASS

Mode (U-NII-1)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11ax(HE40)	38	5190	-6.738	-8.384
	46	5230	-0.476	-1.525



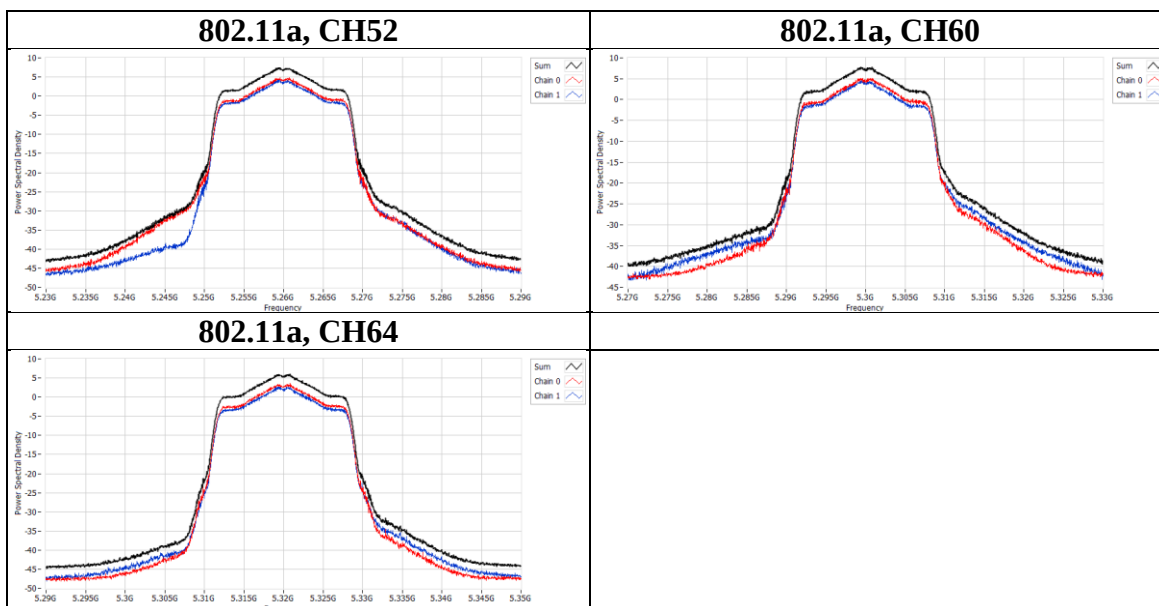
Mode (U-NII-1)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11ax(HE80)	42	5210	8.81	-6.65	8.19	PASS

Mode (U-NII-1)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11ax(HE80)	42	5210	-9.002	-10.05



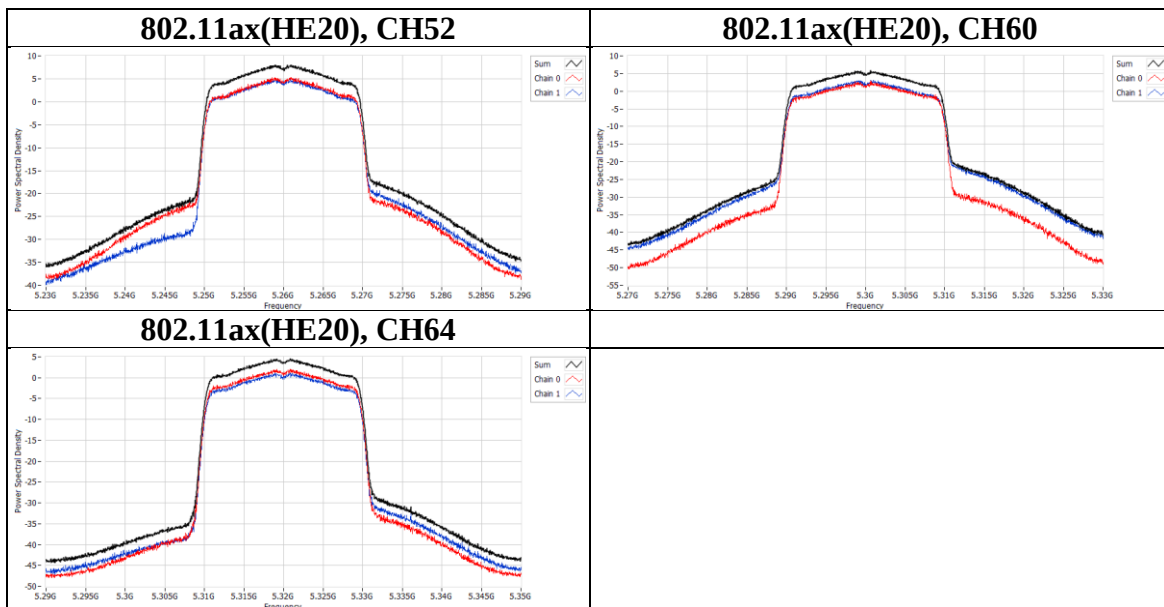
Mode (U-NII-2A)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11a	52	5260	8.81	7.41	8.19	PASS
	60	5300	8.81	7.84	8.19	PASS
	64	5320	8.81	5.97	8.19	PASS

Mode (U-NII-2A)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11a	52	5260	4.779	4.481
	60	5300	5.179	4.457
	64	5320	3.652	2.718



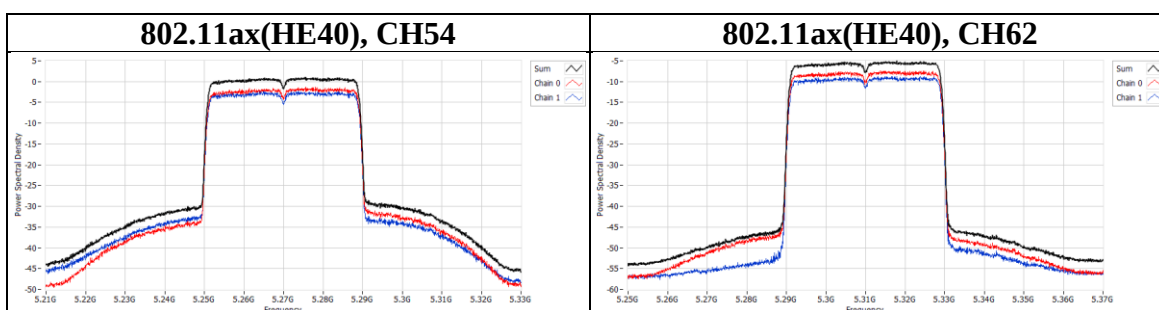
Mode (U-NII-2A)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11ax(HE20)	52	5260	8.81	8.03	8.19	PASS
	60	5300	8.81	5.97	8.19	PASS
	64	5320	8.81	4.58	8.19	PASS

Mode (U-NII-2A)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11ax(HE20)	52	5260	5.28	4.952
	60	5300	2.876	3.135
	64	5320	2.05	1.216



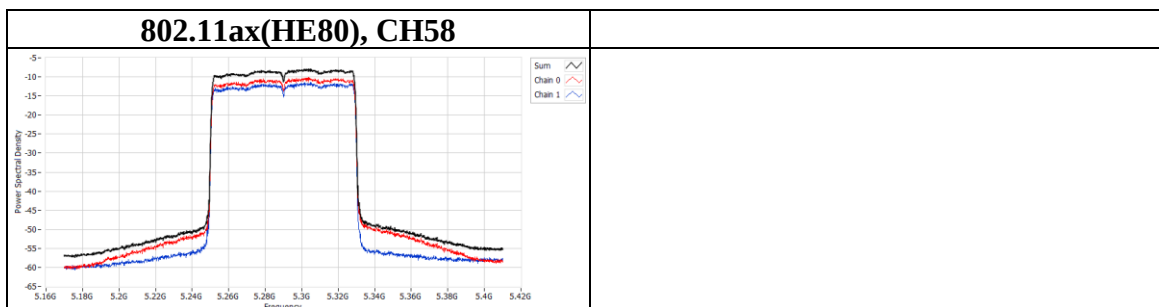
Mode (U-NII-2A)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11ax(HE40)	54	5270	8.81	0.98	8.19	PASS
	62	5310	8.81	-5.06	8.19	PASS

Mode (U-NII-2A)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11ax(HE40)	54	5270	-1.244	-2.205
	62	5310	-7.328	-8.717



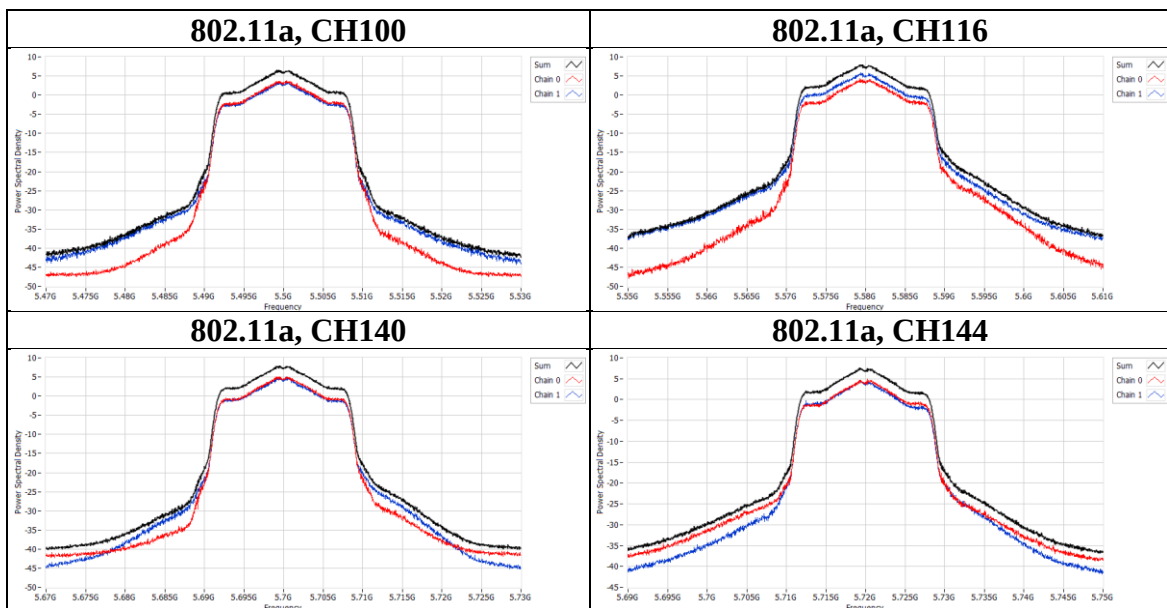
Mode (U-NII-2A)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11ax(HE80)	58	5290	8.81	-7.86	8.19	PASS

Mode (U-NII-2A)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11ax(HE80)	58	5290	-10.096	-11.447



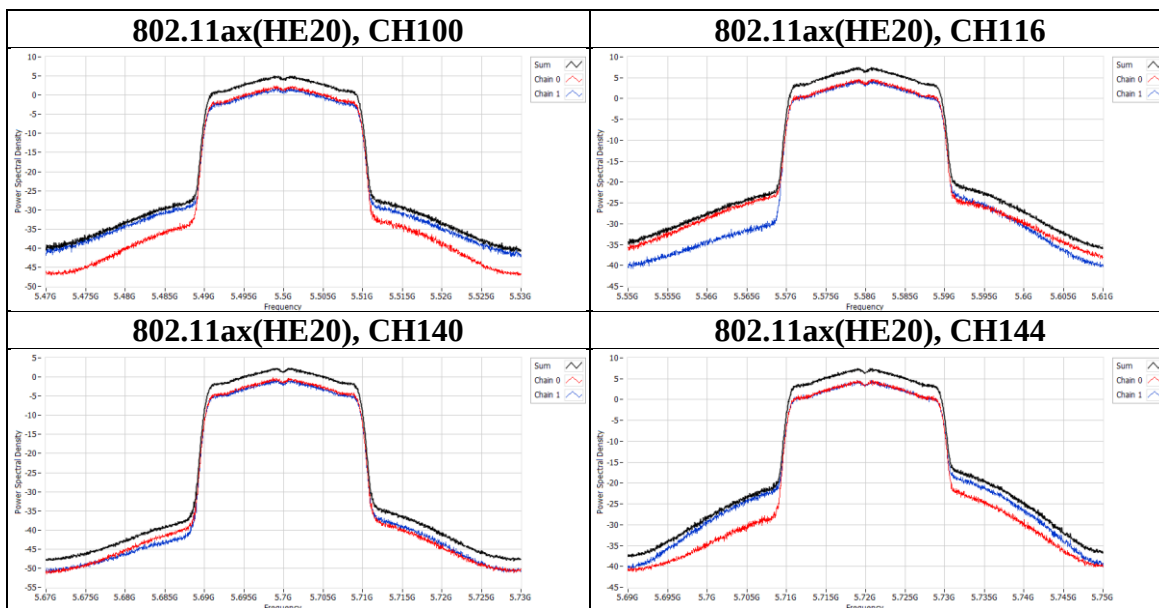
Mode (U-NII-2C)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11a	100	5500	8.81	6.53	8.19	PASS
	116	5580	8.81	7.94	8.19	PASS
	140	5700	8.81	7.86	8.19	PASS
	144	5720	8.81	7.56	8.19	PASS

Mode (U-NII-2C)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11a	100	5500	3.736	3.498
	116	5580	4.327	5.909
	140	5700	5.083	4.939
	144	5720	4.97	4.499



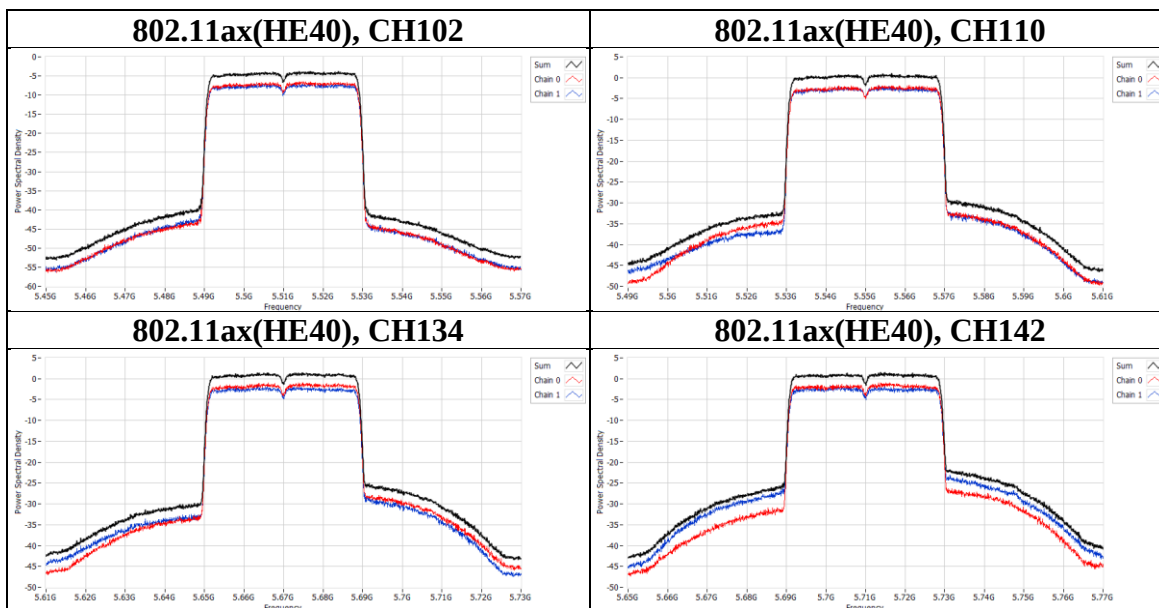
Mode (U-NII-2C)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11ax(HE20)	100	5500	8.81	5.06	8.19	PASS
	116	5580	8.81	7.5	8.19	PASS
	140	5700	8.81	2.32	8.19	PASS
	144	5720	8.81	7.47	8.19	PASS

Mode (U-NII-2C)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11ax(HE20)	100	5500	2.473	1.899
	116	5580	4.683	4.497
	140	5700	-0.147	-0.818
	144	5720	4.651	4.65



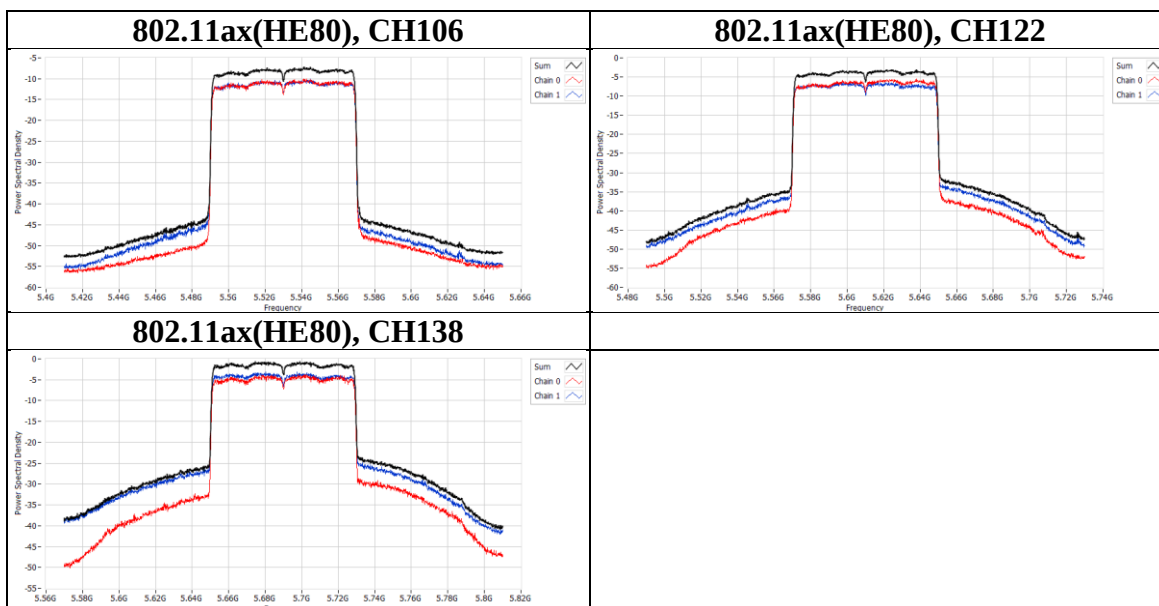
Mode (U-NII-2C)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11ax(HE40)	102	5510	8.81	-3.8	8.19	PASS
	110	5550	8.81	0.99	8.19	PASS
	134	5670	8.81	1.43	8.19	PASS
	142	5710	8.81	1.51	8.19	PASS

Mode (U-NII-2C)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11ax(HE40)	102	5510	-6.451	-6.929
	110	5550	-1.833	-2.134
	134	5670	-0.929	-1.823
	142	5710	-0.932	-1.607



Mode (U-NII-2C)	CH	Freq (MHz)	Directional Gain (dBi)	Total PSD (dBm/MHz)	Limit (dBm/MHz)	Result
802.11ax(HE80)	106	5530	8.81	-7.27	8.19	PASS
	122	5610	8.81	-3.06	8.19	PASS
	138	5690	8.81	-0.6	8.19	PASS

Mode (U-NII-2C)	CH	Freq (MHz)	PSD per Chain (dBm/MHz)	
			Chain 0	Chain 1
802.11ax(HE80)	106	5530	-10.007	-10.088
	122	5610	-5.485	-6.37
	138	5690	-3.747	-3.095



Mode (U-NII-3)	CH	Freq (MHz)	BWCF	Directional Gain (dBi)	Total PSD (dBm/500k Hz)	Limit (dBm/500k Hz)	Result
802.11a	144	5720	2.22	8.81	8.1	27.19	PASS
	149	5745	2.22	8.81	6.59	27.19	PASS
	157	5785	2.22	8.81	10.82	27.19	PASS
	165	5825	2.22	8.81	10.65	27.19	PASS

Mode (U-NII-3)	CH	Freq (MHz)	PSD per Chain (dBm/500kHz)	
			Chain 0	Chain 1
802.11a	144	5720	3.145	2.789
	149	5745	2.88	0.227
	157	5785	4.089	6.818
	165	5825	5.715	5.533

