

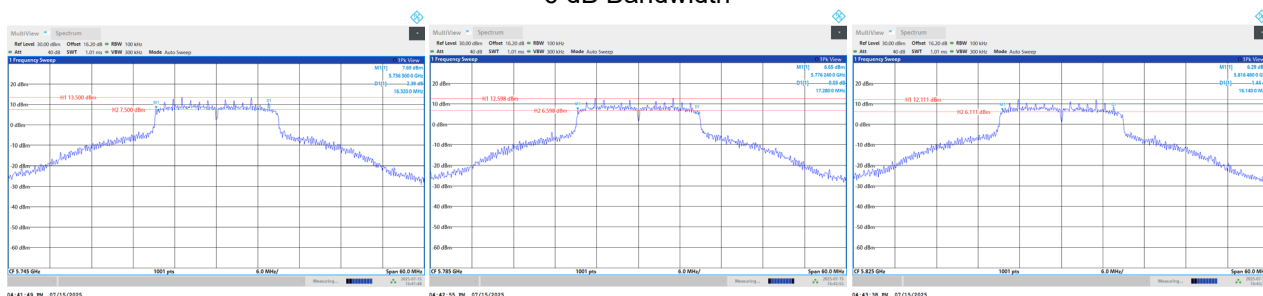
Test Mode	UNII-3_TX N(HT20) Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	16.320	29.593	0.5	Pass
157	5785	17.280	29.645	0.5	Pass
165	5825	16.140	32.277	0.5	Pass

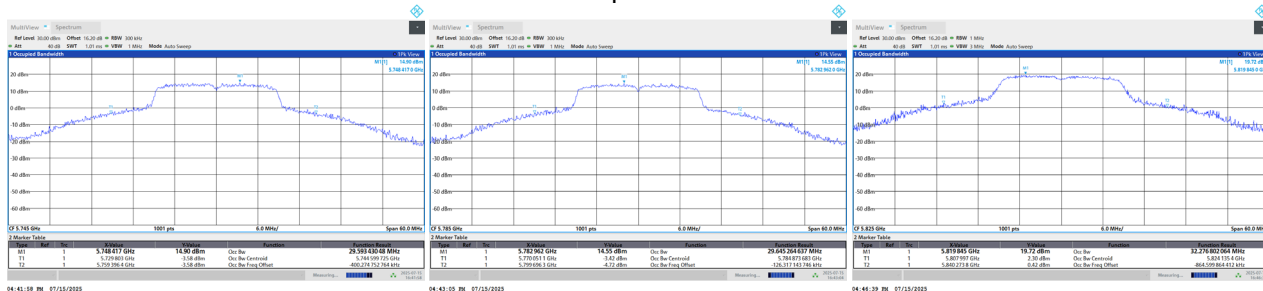
CH149

CH157
6 dB Bandwidth

CH165



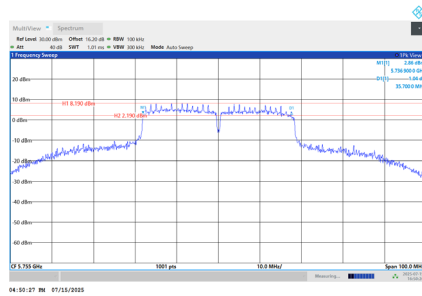
99 % Occupied Bandwidth



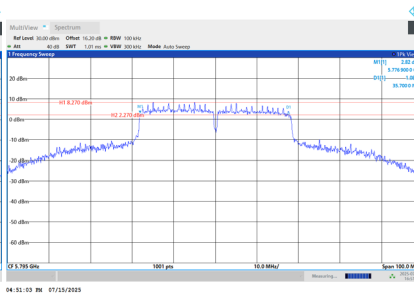
Test Mode UNII-3_TX N(HT40) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
151	5755	35.700	53.068	0.5	Pass
159	5795	35.700	52.600	0.5	Pass

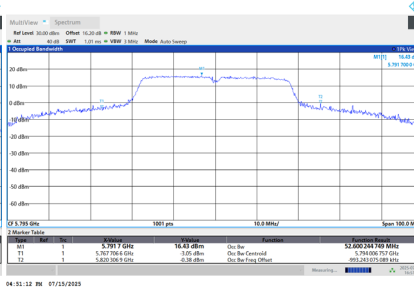
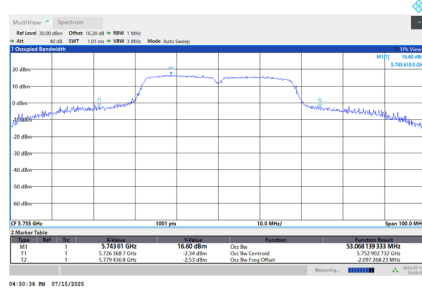
CH151



CH159
6 dB Bandwidth



99 % Occupied Bandwidth



APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	UNII-1_TX A Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	17.07	0.00	17.07	25.00	0.3162	Pass
40	5200	18.14	0.00	18.14	25.00	0.3162	Pass
48	5240	18.33	0.00	18.33	25.00	0.3162	Pass

Test Mode	UNII-1_TX A Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	17.88	0.00	17.88	25.00	0.3162	Pass
40	5200	18.14	0.00	18.14	25.00	0.3162	Pass
48	5240	18.01	0.00	18.01	25.00	0.3162	Pass

Test Mode	UNII-1_TX A Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.50	25.00	0.3162	Pass
40	5200	21.15	25.00	0.3162	Pass
48	5240	21.18	25.00	0.3162	Pass

Test Mode	UNII-1_TX N(HT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	16.46	0.00	16.46	25.00	0.3162	Pass
40	5200	17.64	0.00	17.64	25.00	0.3162	Pass
48	5240	18.03	0.00	18.03	25.00	0.3162	Pass

Test Mode	UNII-1_TX N(HT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	16.82	0.00	16.82	25.00	0.3162	Pass
40	5200	17.40	0.00	17.40	25.00	0.3162	Pass
48	5240	18.04	0.00	18.04	25.00	0.3162	Pass

Test Mode	UNII-1_TX N(HT20) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	19.65	25.00	0.3162	Pass
40	5200	20.53	25.00	0.3162	Pass
48	5240	21.05	25.00	0.3162	Pass

Test Mode	UNII-1_TX N(HT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	15.75	0.00	15.75	25.00	0.3162	Pass
46	5230	17.81	0.00	17.81	25.00	0.3162	Pass

Test Mode	UNII-1_TX N(HT40) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	15.18	0.00	15.18	25.00	0.3162	Pass
46	5230	18.04	0.00	18.04	25.00	0.3162	Pass

Test Mode	UNII-1_TX N(HT40) Mode_Total
-----------	------------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.48	25.00	0.3162	Pass
46	5230	20.94	25.00	0.3162	Pass

Test Mode	UNII-3_TX A Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	20.27	0.00	20.27	25.00	0.3162	Pass
157	5785	21.75	0.00	21.75	25.00	0.3162	Pass
165	5825	21.76	0.00	21.76	25.00	0.3162	Pass

Test Mode	UNII-3_TX A Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	20.43	0.00	20.43	25.00	0.3162	Pass
157	5785	21.65	0.00	21.65	25.00	0.3162	Pass
165	5825	22.14	0.00	22.14	25.00	0.3162	Pass

Test Mode	UNII-3_TX A Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	23.36	25.00	0.3162	Pass
157	5785	24.71	25.00	0.3162	Pass
165	5825	24.96	25.00	0.3162	Pass

Test Mode	UNII-3_TX N(HT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	20.94	0.00	20.94	25.00	0.3162	Pass
157	5785	21.83	0.00	21.83	25.00	0.3162	Pass
165	5825	21.67	0.00	21.67	25.00	0.3162	Pass

Test Mode	UNII-3_TX N(HT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	21.83	0.00	21.83	25.00	0.3162	Pass
157	5785	21.79	0.00	21.79	25.00	0.3162	Pass
165	5825	21.79	0.00	21.79	25.00	0.3162	Pass

Test Mode	UNII-3_TX N(HT20) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	24.42	25.00	0.3162	Pass
157	5785	24.82	25.00	0.3162	Pass
165	5825	24.74	25.00	0.3162	Pass

Test Mode	UNII-3_TX N(HT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	21.23	0.00	21.23	25.00	0.3162	Pass
159	5795	21.37	0.00	21.37	25.00	0.3162	Pass

Test Mode	UNII-3_TX N(HT40) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	21.76	0.00	21.76	25.00	0.3162	Pass
159	5795	21.79	0.00	21.79	25.00	0.3162	Pass

Test Mode	UNII-3_TX N(HT40) Mode_Total
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Channel	Frequency (MHz)	Output Power (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	24.51	25.00	0.3162	Pass
159	5795	24.60	25.00	0.3162	Pass

The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon

Test Mode	UNII-1_TX A Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	19.68	0.00	19.68	21.00	0.1259	Pass
40	5200	19.62	0.00	19.62	21.00	0.1259	Pass
48	5240	19.06	0.00	19.06	21.00	0.1259	Pass

Test Mode	UNII-1_TX A Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	19.99	0.00	19.99	21.00	0.1259	Pass
40	5200	19.35	0.00	19.35	21.00	0.1259	Pass
48	5240	18.79	0.00	18.79	21.00	0.1259	Pass

Test Mode	UNII-1_TX A Mode_Total
-----------	------------------------

Channel	Frequency (MHz)	e.i.r.p. (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.85	21.00	0.1259	Pass
40	5200	20.50	21.00	0.1259	Pass
48	5240	19.94	21.00	0.1259	Pass

Test Mode	UNII-1_TX N(NT20) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	18.49	0.00	18.49	21.00	0.1259	Pass
40	5200	19.29	0.00	19.29	21.00	0.1259	Pass
48	5240	19.09	0.00	19.09	21.00	0.1259	Pass

Test Mode	UNII-1_TX N(NT20) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	19.53	0.00	19.53	21.00	0.1259	Pass
40	5200	19.41	0.00	19.41	21.00	0.1259	Pass
48	5240	18.91	0.00	18.91	21.00	0.1259	Pass

Test Mode	UNII-1_TX N(NT20) Mode_Total
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Channel	Frequency (MHz)	e.i.r.p. (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.05	21.00	0.1259	Pass
40	5200	20.36	21.00	0.1259	Pass
48	5240	20.01	21.00	0.1259	Pass

Test Mode	UNII-1_TX N(NT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.81	0.00	18.81	21.00	0.1259	Pass
46	5230	18.41	0.00	18.41	21.00	0.1259	Pass

Test Mode	UNII-1_TX N(NT40) Mode_Ant. 2
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Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	18.71	0.00	18.71	21.00	0.1259	Pass
46	5230	18.82	0.00	18.82	21.00	0.1259	Pass

Test Mode	UNII-1_TX N(NT40) Mode_Total
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Channel	Frequency (MHz)	e.i.r.p. (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	19.77	21.00	0.1259	Pass
46	5230	19.63	21.00	0.1259	Pass

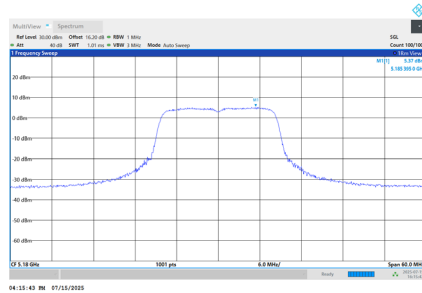
Note: Output power = Measure result + Cable loss

APPENDIX G - POWER SPECTRAL DENSITY

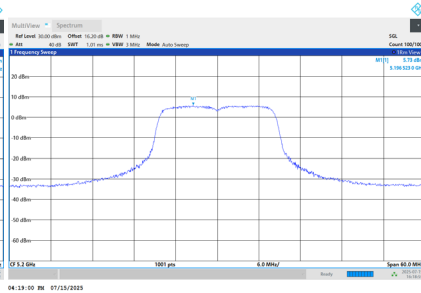
Test Mode	UNII-1_TX A Mode_Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	5.37	0.00	5.37	8.99	Pass
40	5200	5.73	0.00	5.73	8.99	Pass
48	5240	5.88	0.00	5.88	8.99	Pass

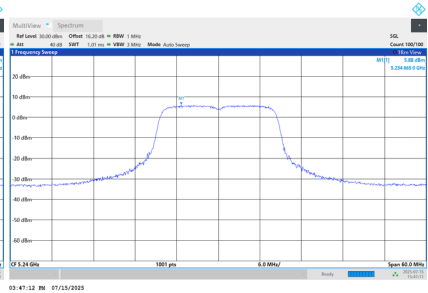
CH36



CH40



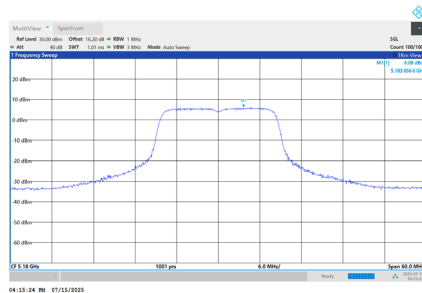
CH48



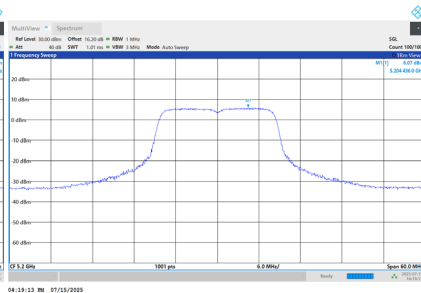
Test Mode	UNII-1_TX A Mode_Ant. 2
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	6.08	0.00	6.08	8.99	Pass
40	5200	6.07	0.00	6.07	8.99	Pass
48	5240	5.70	0.00	5.70	8.99	Pass

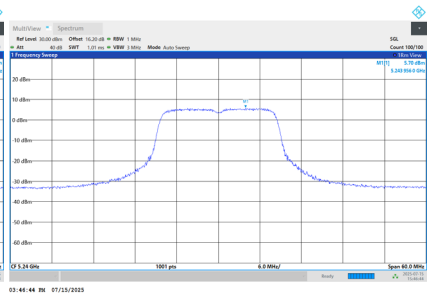
CH36



CH40



CH48



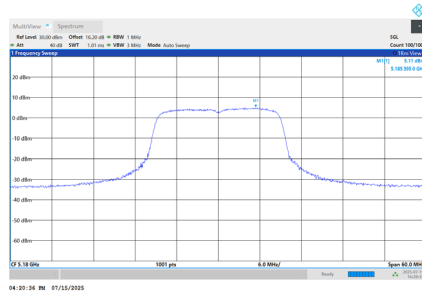
Test Mode	UNII-1_TX A Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	8.75	8.99	Pass
40	5200	8.91	8.99	Pass
48	5240	8.80	8.99	Pass

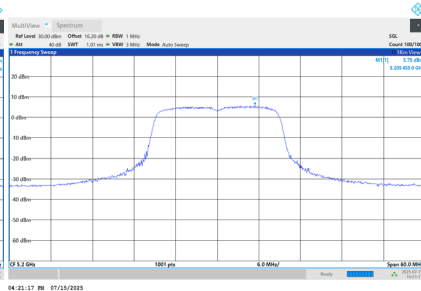
Test Mode UNII-1_TX N(HT20) Mode_Ant. 1

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	5.11	0.00	5.11	8.99	Pass
40	5200	5.75	0.00	5.75	8.99	Pass
48	5240	5.66	0.00	5.66	8.99	Pass

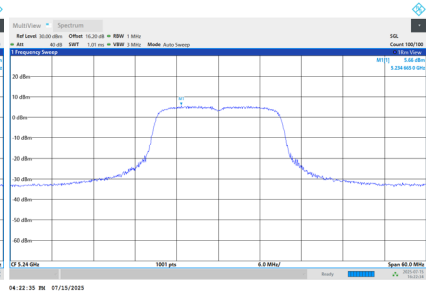
CH36



CH40



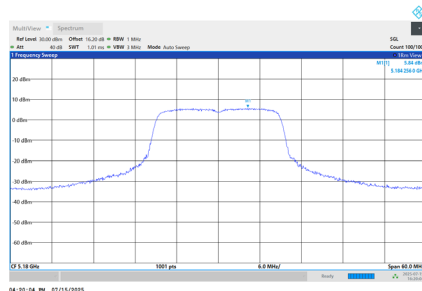
CH48



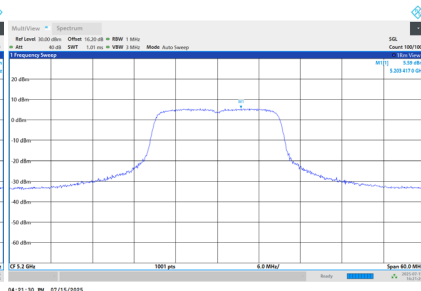
Test Mode UNII-1_TX N(HT20) Mode_Ant. 2

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	5.84	0.00	5.84	8.99	Pass
40	5200	5.59	0.00	5.59	8.99	Pass
48	5240	5.35	0.00	5.35	8.99	Pass

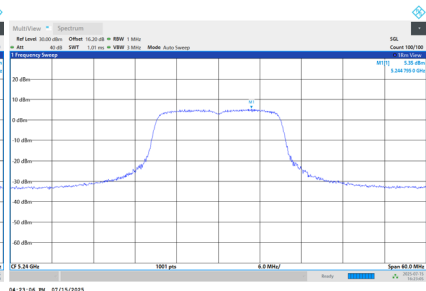
CH36



CH40



CH48



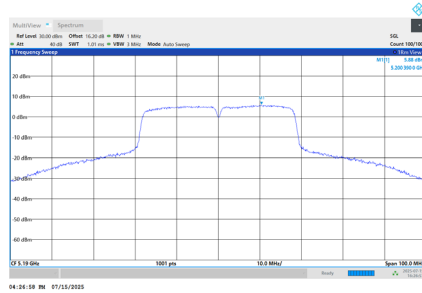
Test Mode	UNII-1_TX N(HT20) Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	8.50	8.99	Pass
40	5200	8.68	8.99	Pass
48	5240	8.52	8.99	Pass

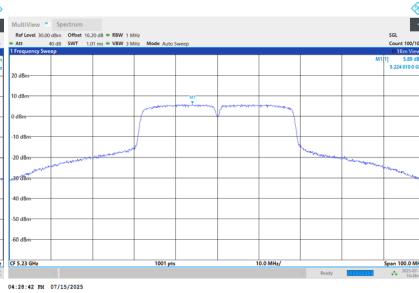
Test Mode	UNII-1_TX N(HT40) Mode_Ant. 1
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	5.88	0.00	5.88	8.99	Pass
46	5230	5.89	0.00	5.89	8.99	Pass

CH38



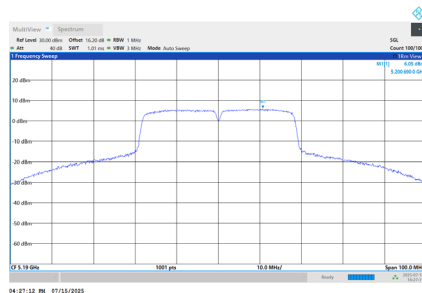
CH46



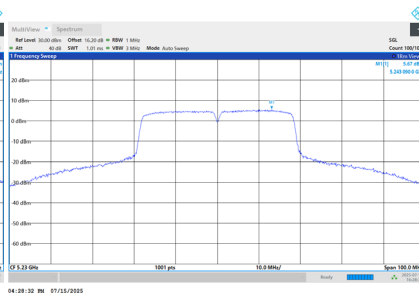
Test Mode	UNII-1_TX N(HT40) Mode_Ant. 2
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	6.05	0.00	6.05	8.99	Pass
46	5230	5.67	0.00	5.67	8.99	Pass

CH38



CH46



Test Mode	UNII-1_TX N(HT40) Mode_Total
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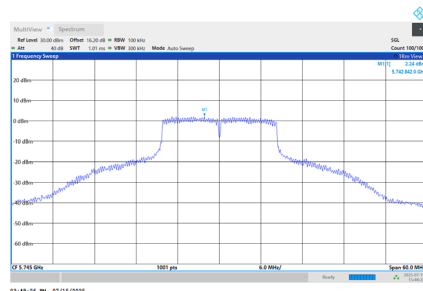
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190	8.98	8.99	Pass
46	5230	8.79	8.99	Pass

Test Mode	UNII-3_TX A Mode_Ant. 1
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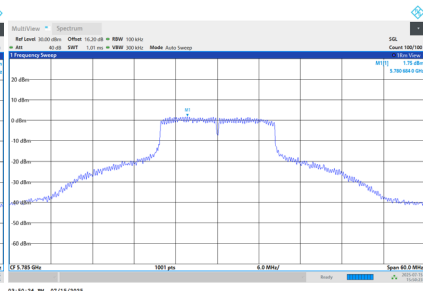
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	2.24	9.23	0.00	9.23	21.99	Pass
157	5785	1.75	8.74	0.00	8.74	21.99	Pass
165	5825	1.28	8.27	0.00	8.27	21.99	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log(500\text{ kHz} / 100\text{ kHz}) = PSD_{dBm/100\text{ kHz}} + 6.99\text{ dB}$

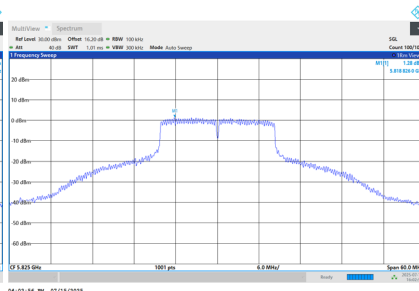
CH149



CH157



CH165

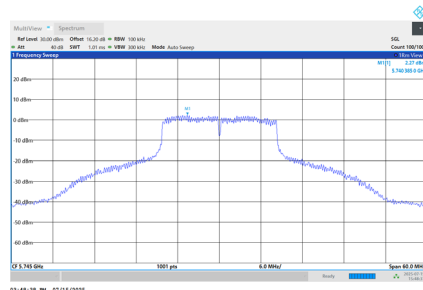


Test Mode	UNII-3_TX A Mode_Ant. 2
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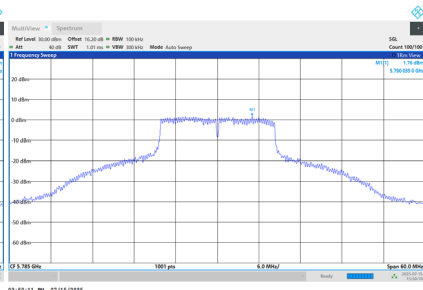
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	2.27	9.26	0.00	9.26	21.99	Pass
157	5785	1.76	8.75	0.00	8.75	21.99	Pass
165	5825	1.89	8.88	0.00	8.88	21.99	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log(500\text{ kHz} / 100\text{ kHz}) = PSD_{dBm/100\text{ kHz}} + 6.99\text{ dB}$

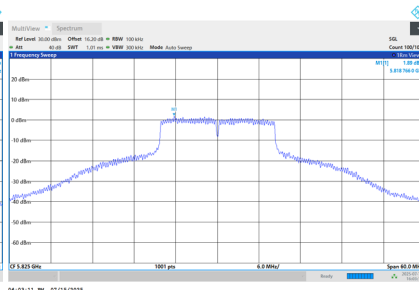
CH149



CH157



CH165



Test Mode	UNII-3_TX A Mode_Total
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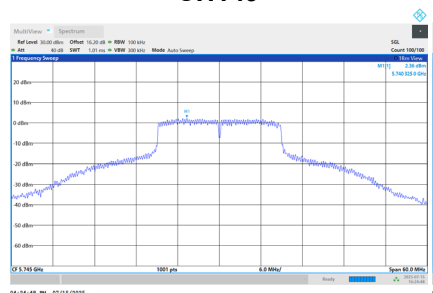
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	12.26	21.99	Pass
157	5785	11.75	21.99	Pass
165	5825	11.59	21.99	Pass

Test Mode	UNII-3_TX N(HT20) Mode_Ant. 1
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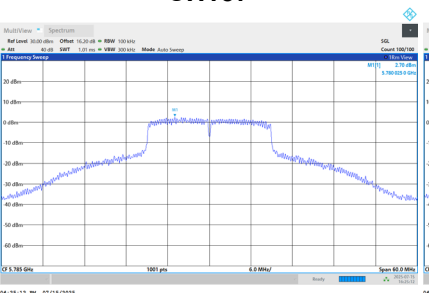
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	2.36	9.35	0.00	9.35	21.99	Pass
157	5785	2.70	9.69	0.00	9.69	21.99	Pass
165	5825	1.73	8.72	0.00	8.72	21.99	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log(500\text{ kHz} / 100\text{ kHz}) = PSD_{dBm/100\text{ kHz}} + 6.99\text{ dB}$

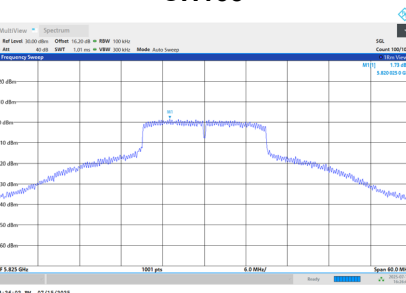
CH149



CH157



CH165

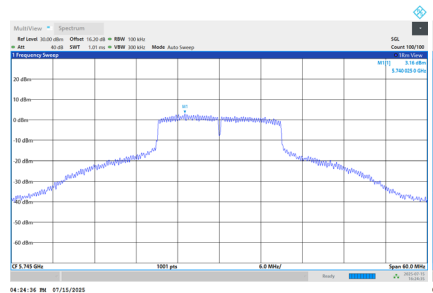


Test Mode	UNII-3_TX N(HT20) Mode_Ant. 2
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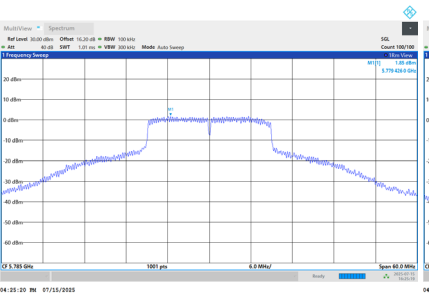
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	3.16	10.15	0.00	10.15	21.99	Pass
157	5785	1.85	8.84	0.00	8.84	21.99	Pass
165	5825	1.46	8.45	0.00	8.45	21.99	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log(500\text{ kHz} / 100\text{ kHz}) = PSD_{dBm/100\text{ kHz}} + 6.99\text{ dB}$

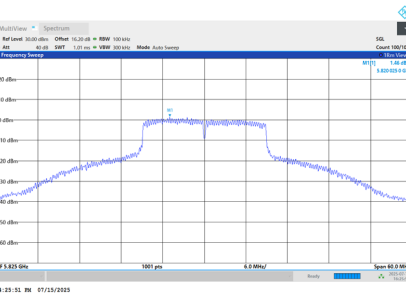
CH149



CH157



CH165



Test Mode	UNII-3_TX N(HT20) Mode_Total
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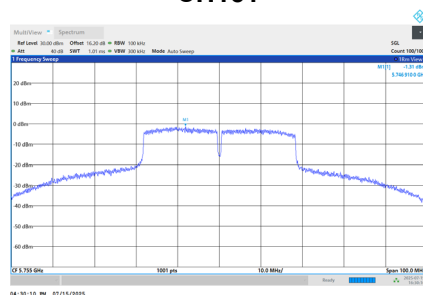
Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	12.78	21.99	Pass
157	5785	12.30	21.99	Pass
165	5825	11.60	21.99	Pass

Test Mode	UNII-3_TX N(HT40) Mode_Ant. 1
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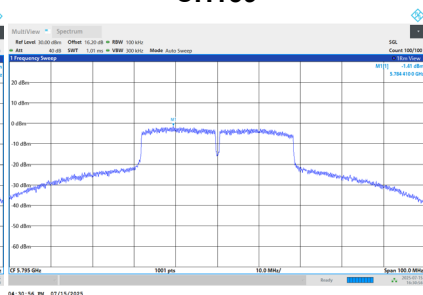
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	-1.31	5.68	0.00	5.68	21.99	Pass
159	5795	-1.41	5.58	0.00	5.58	21.99	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log(500\text{ kHz} / 100\text{ kHz}) = PSD_{dBm/100\text{ kHz}} + 6.99\text{ dB}$

CH151



CH159

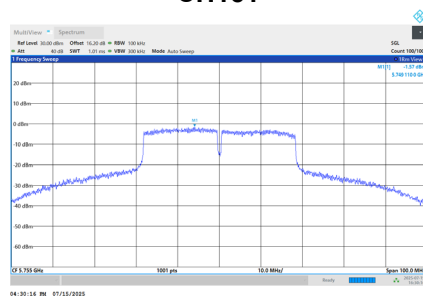


Test Mode	UNII-3_TX N(HT40) Mode_Ant. 2
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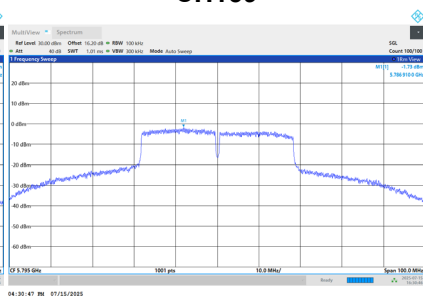
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	-1.57	5.42	0.00	5.42	21.99	Pass
159	5795	-1.73	5.26	0.00	5.26	21.99	Pass

NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log(500\text{ kHz} / 100\text{ kHz}) = PSD_{dBm/100\text{ kHz}} + 6.99\text{ dB}$

CH151



CH159



Test Mode	UNII-3_TX N(HT40) Mode_Total
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Channel	Frequency (MHz)	Power Spectral Density (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	8.56	21.99	Pass
159	5795	8.43	21.99	Pass

End of Test Report