

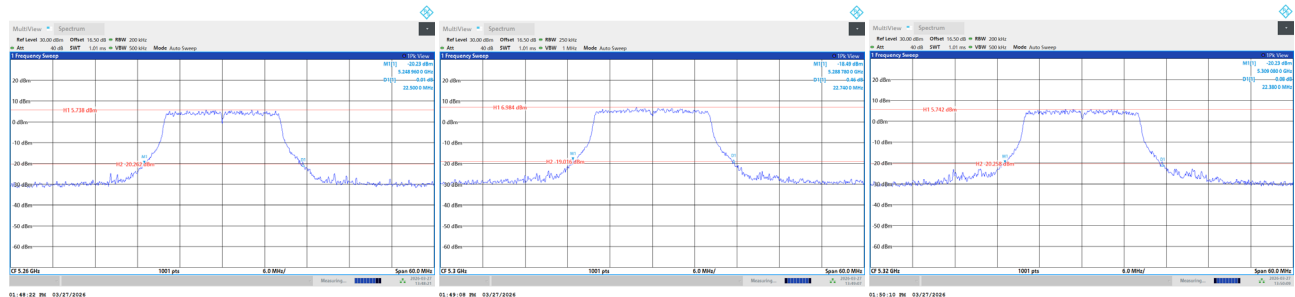
Test Mode	UNII-2A_TX A Mode
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
52	5260	22.500	17.074
60	5300	22.740	17.078
64	5320	22.380	17.113

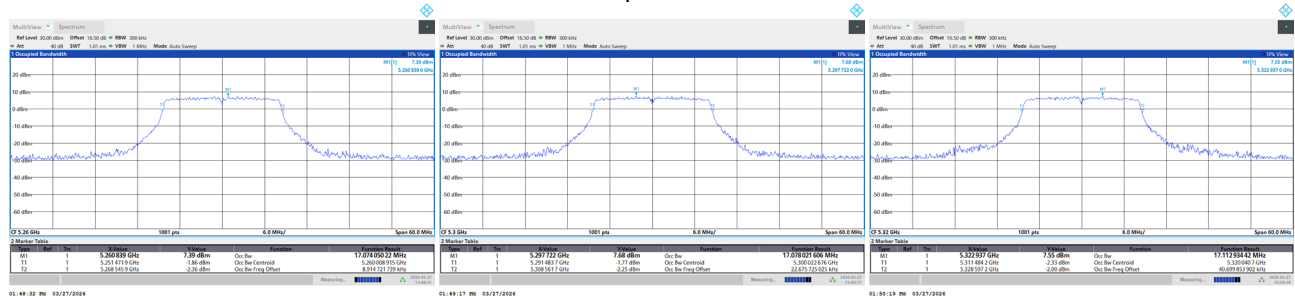
CH52

CH60
26 dB Bandwidth

CH64



99 % Occupied Bandwidth



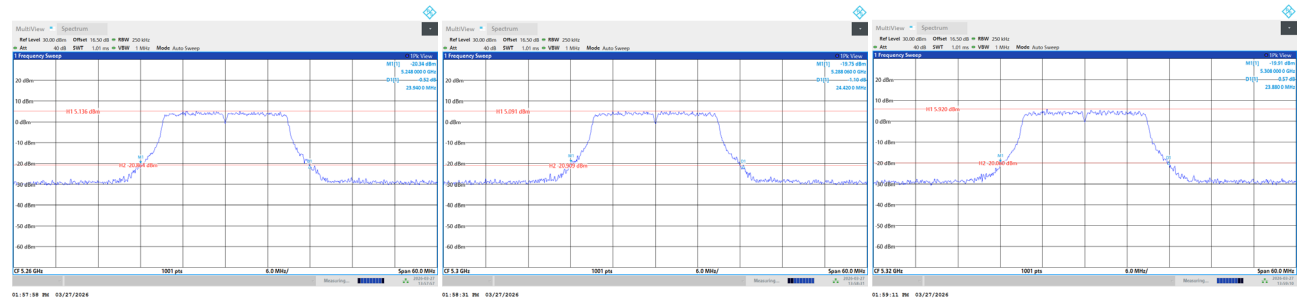
Test Mode	UNII-2A_TX N(HT20) Mode
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
52	5260	23.940	18.341
60	5300	24.420	18.333
64	5320	23.880	18.343

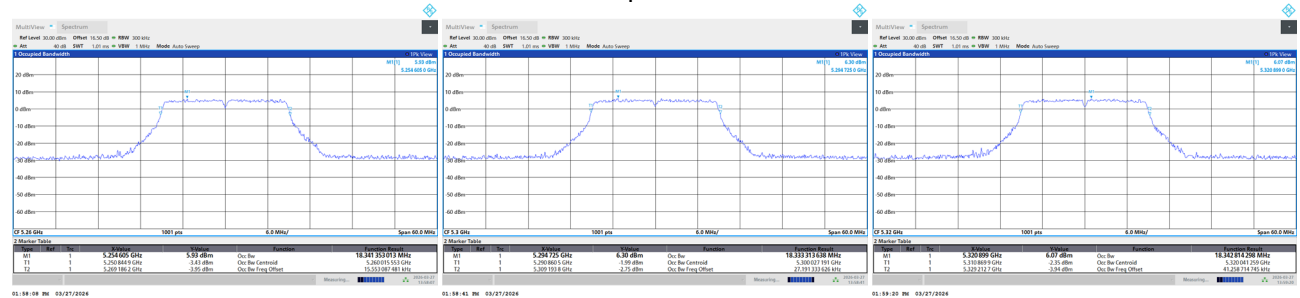
CH52

CH60
26 dB Bandwidth

CH64



99 % Occupied Bandwidth

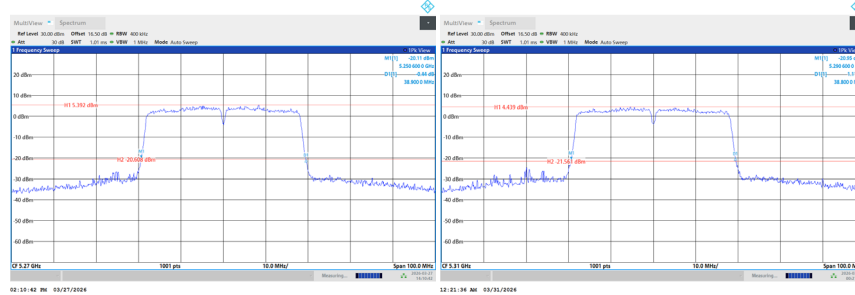


Test Mode UNII-2A_TX N(HT40) Mode

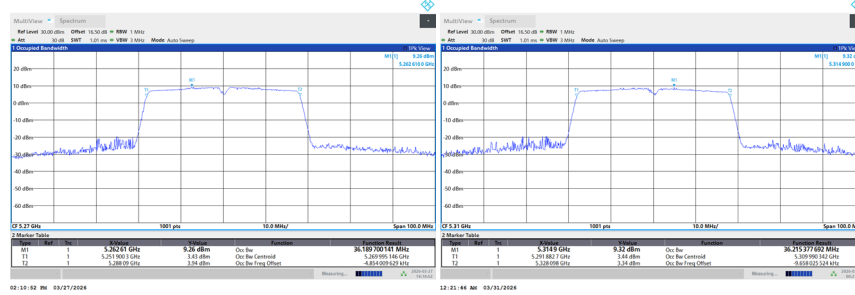
Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
54	5270	38.900	36.190
62	5310	38.800	36.215

CH54

CH62
26 dB Bandwidth



99 % Occupied Bandwidth



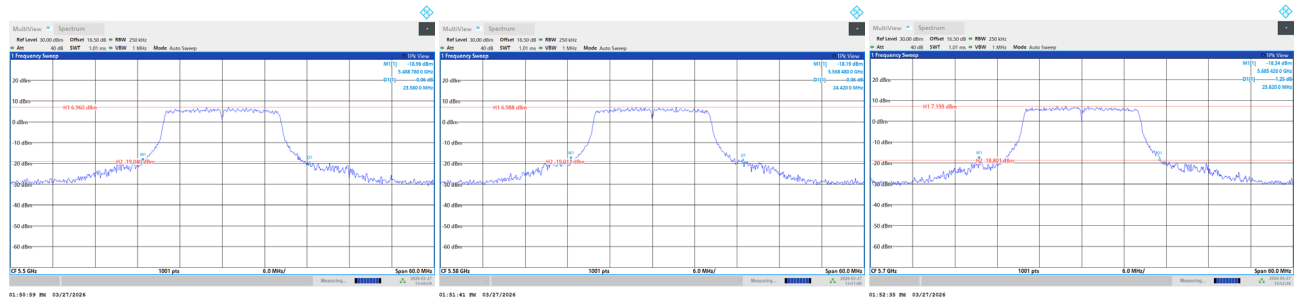
Test Mode	UNII-2C_TX A Mode
-----------	-------------------

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
100	5500	23.580	17.154
116	5580	24.420	17.178
140	5700	25.620	17.176

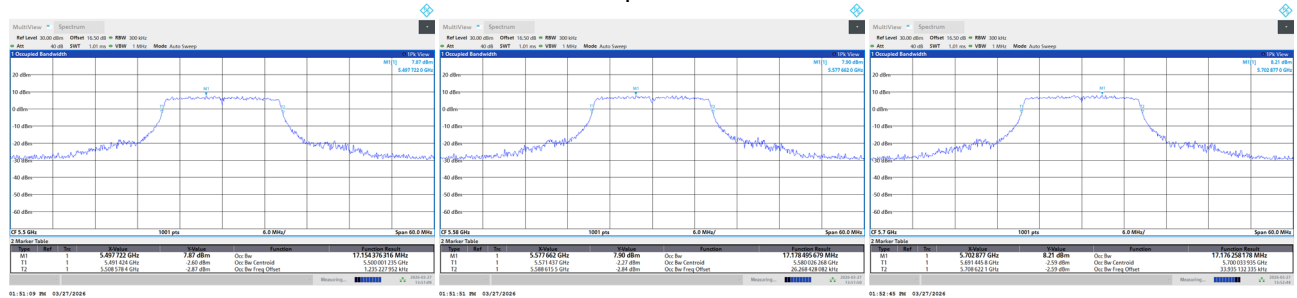
CH100

CH116
26 dB Bandwidth

CH140



99 % Occupied Bandwidth



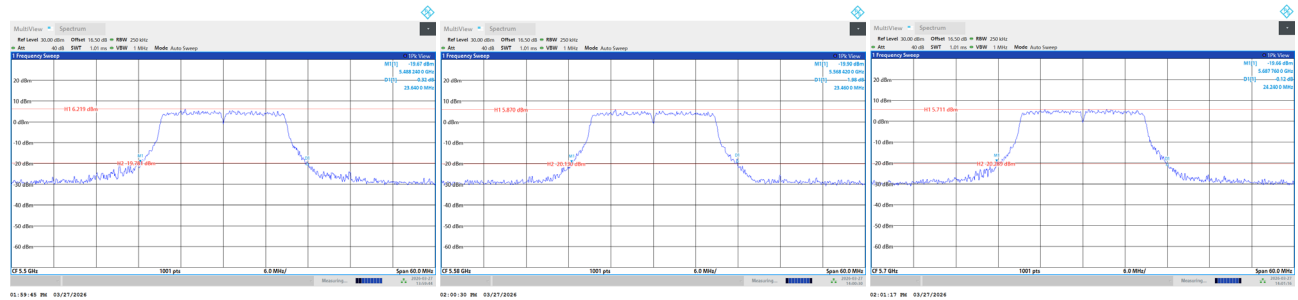
Test Mode	UNII-2C_TX N(HT20) Mode
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Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
100	5500	23.640	18.383
116	5580	23.460	18.319
140	5700	24.240	18.370

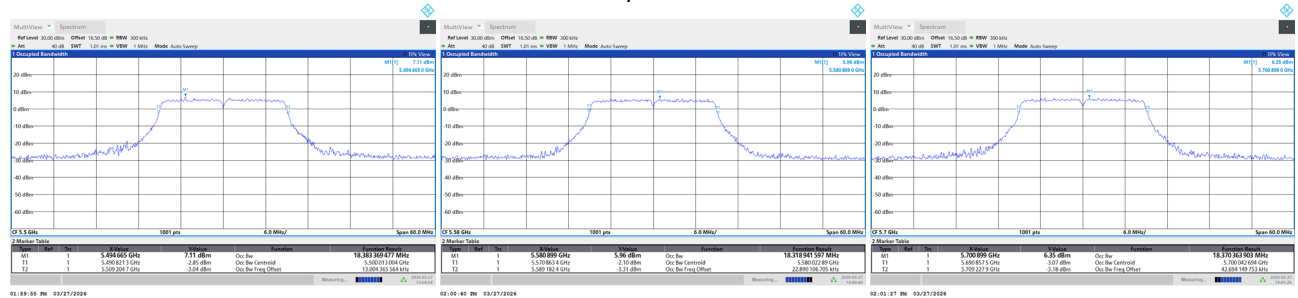
CH100

CH116
26 dB Bandwidth

CH140



99 % Occupied Bandwidth



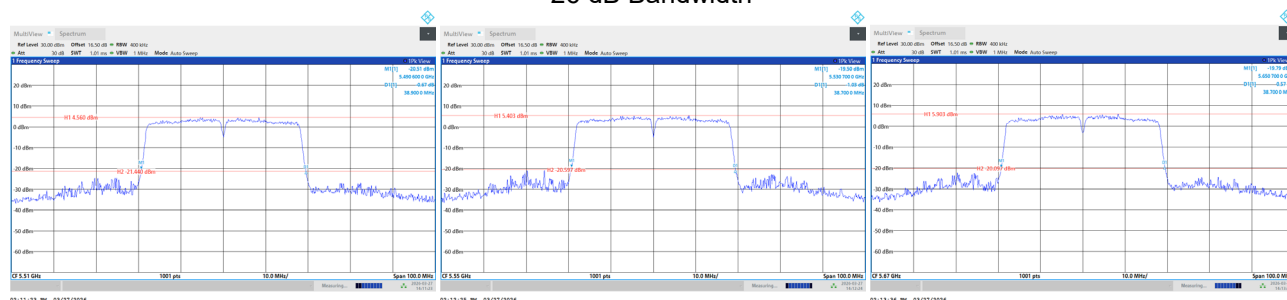
Test Mode UNII-2C_TX N(HT40) Mode

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
102	5510	38.900	36.187
110	5550	38.700	36.252
134	5670	38.700	36.266

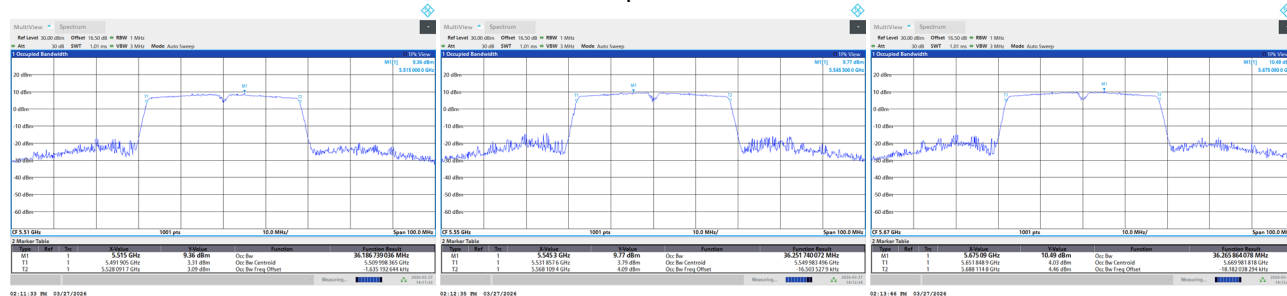
CH102

CH110
26 dB Bandwidth

CH134



99 % Occupied Bandwidth



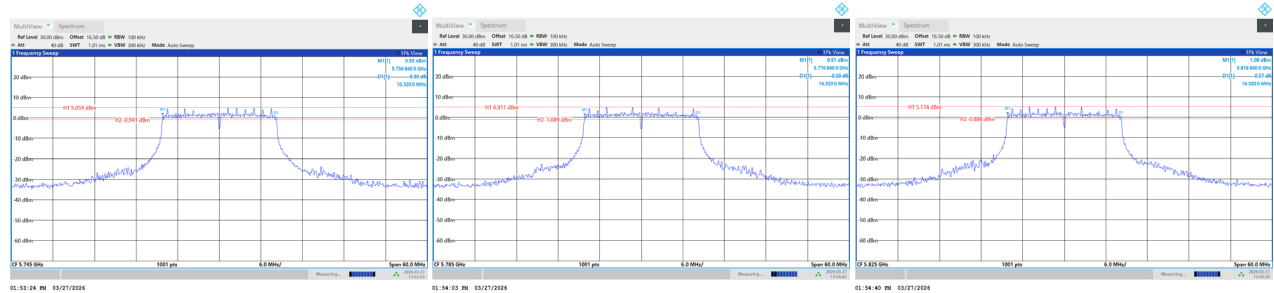
Test Mode UNII-3_TX A Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	16.320	17.137	0.5	Pass
157	5785	16.320	17.326	0.5	Pass
165	5825	16.320	17.557	0.5	Pass

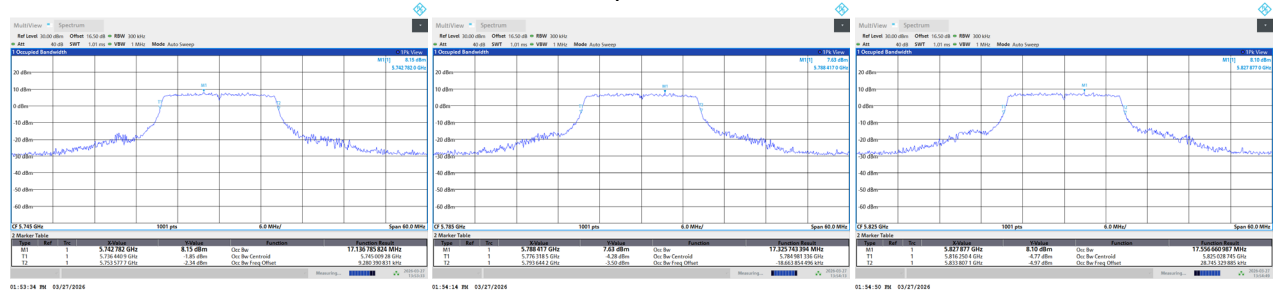
CH149

CH157
6 dB Bandwidth

CH165



99 % Occupied Bandwidth



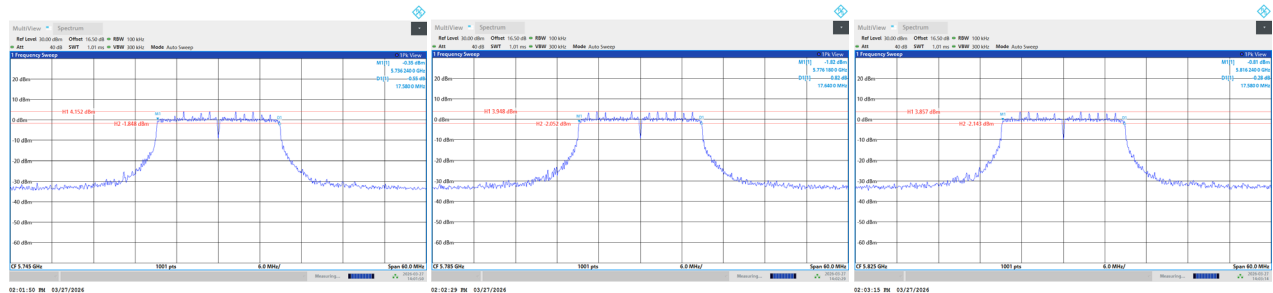
Test Mode	UNII-3_TX N(HT20) Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	17.580	18.334	0.5	Pass
157	5785	17.640	18.401	0.5	Pass
165	5825	17.580	18.399	0.5	Pass

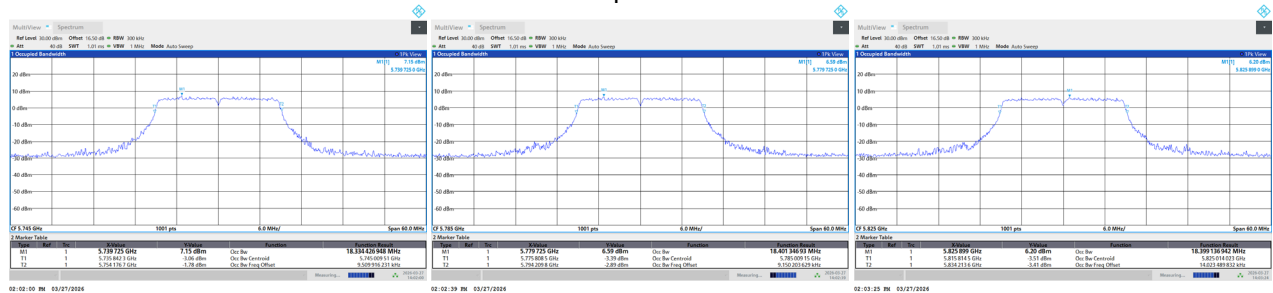
CH149

CH157
6 dB Bandwidth

CH165



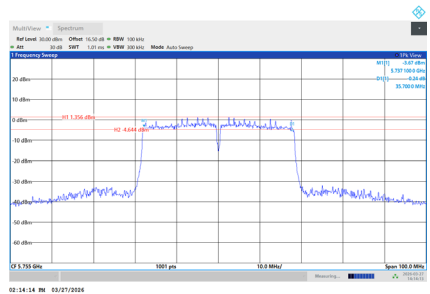
99 % Occupied Bandwidth



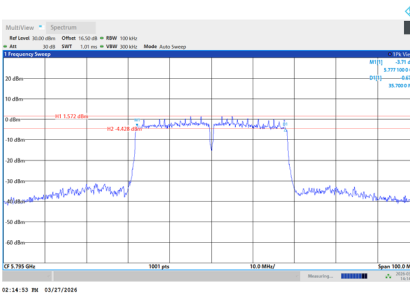
Test Mode UNII-3_TX N(HT40) Mode

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
151	5755	35.700	36.256	0.5	Pass
159	5795	35.700	36.287	0.5	Pass

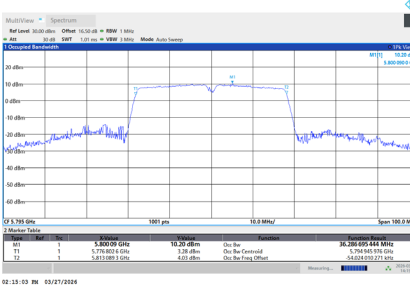
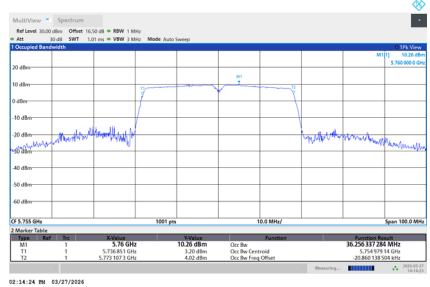
CH151



CH159
6 dB Bandwidth



99 % Occupied Bandwidth



APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	UNII-1_TX A Mode
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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	15.33	0.97	16.30	23.98	0.2500	Pass
40	5200	15.42	0.97	16.39	23.98	0.2500	Pass
48	5240	15.36	0.97	16.33	23.98	0.2500	Pass

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

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	14.40	0.80	15.20	23.98	0.2500	Pass
40	5200	14.43	0.80	15.23	23.98	0.2500	Pass
48	5240	14.31	0.80	15.11	23.98	0.2500	Pass

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

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
38	5190	10.82	0.83	11.65	23.98	0.2500	Pass
46	5230	14.25	0.83	15.08	23.98	0.2500	Pass

Test Mode	UNII-2A_TX A Mode
-----------	-------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	15.38	0.97	16.35	23.98	0.2500	Pass
60	5300	15.17	0.97	16.14	23.98	0.2500	Pass
64	5320	15.27	0.97	16.24	23.98	0.2500	Pass

Test Mode	UNII-2A_TX N(HT20) Mode
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	14.31	0.80	15.11	23.98	0.2500	Pass
60	5300	14.28	0.80	15.08	23.98	0.2500	Pass
64	5320	13.76	0.80	14.56	23.98	0.2500	Pass

Test Mode	UNII-2A_TX N(HT40) Mode
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
54	5270	14.17	0.83	15.00	23.98	0.2500	Pass
62	5310	10.11	0.83	10.94	23.98	0.2500	Pass

Test Mode	UNII-2C_TX A Mode
-----------	-------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	14.83	0.97	15.80	23.98	0.2500	Pass
116	5580	15.46	0.97	16.43	23.98	0.2500	Pass
140	5700	12.82	0.97	13.79	23.98	0.2500	Pass

Test Mode	UNII-2C_TX N(HT20) Mode
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	13.82	0.80	14.62	23.98	0.2500	Pass
116	5580	14.04	0.80	14.84	23.98	0.2500	Pass
140	5700	13.42	0.80	14.22	23.98	0.2500	Pass

Test Mode	UNII-2C_TX N(HT40) Mode
-----------	-------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
102	5510	11.89	0.83	12.72	23.98	0.2500	Pass
110	5550	14.13	0.83	14.96	23.98	0.2500	Pass
134	5670	13.95	0.83	14.78	23.98	0.2500	Pass

Test Mode	UNII-3_TX A Mode
-----------	------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	15.23	0.97	16.20	30.00	1.0000	Pass
157	5785	15.29	0.97	16.26	30.00	1.0000	Pass
165	5825	15.39	0.97	16.36	30.00	1.0000	Pass

Test Mode	UNII-3_TX N(HT20) Mode
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	14.32	0.80	15.12	30.00	1.0000	Pass
157	5785	14.28	0.80	15.08	30.00	1.0000	Pass
165	5825	14.25	0.80	15.05	30.00	1.0000	Pass

Test Mode	UNII-3_TX N(HT40) Mode
-----------	------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
151	5755	14.22	0.83	15.05	30.00	1.0000	Pass
159	5795	14.21	0.83	15.04	30.00	1.0000	Pass

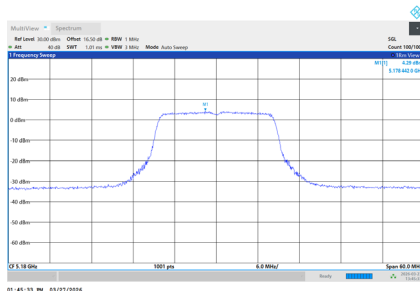
Note: Output power = Measure result + Cable loss

APPENDIX G - POWER SPECTRAL DENSITY

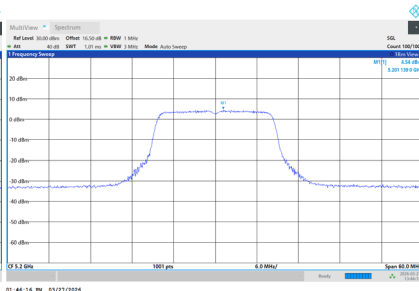
Test Mode	UNII-1_TX A Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	4.29	0.97	5.26	11.00	Pass
40	5200	4.54	0.97	5.50	11.00	Pass
48	5240	4.35	0.97	5.31	11.00	Pass

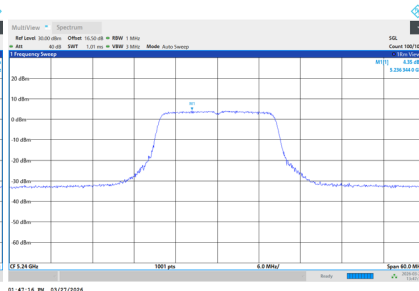
CH36



CH40



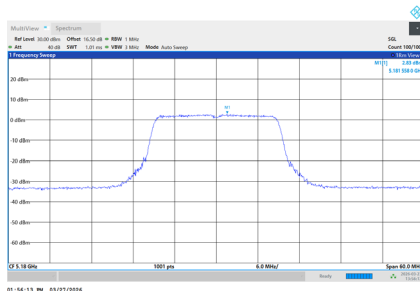
CH48



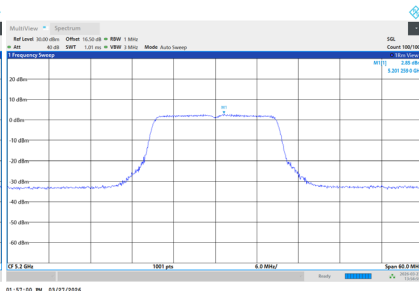
Test Mode	UNII-1_TX N(HT20) Mode
-----------	------------------------

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	2.83	0.80	3.63	11.00	Pass
40	5200	2.85	0.80	3.65	11.00	Pass
48	5240	2.89	0.80	3.69	11.00	Pass

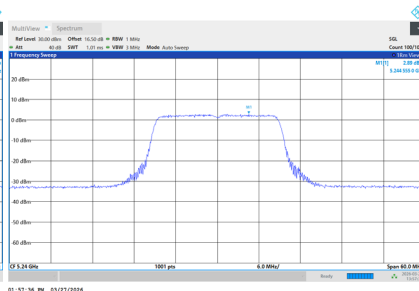
CH36



CH40



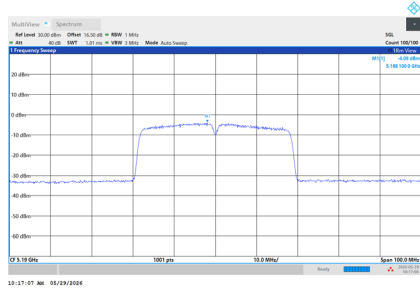
CH48



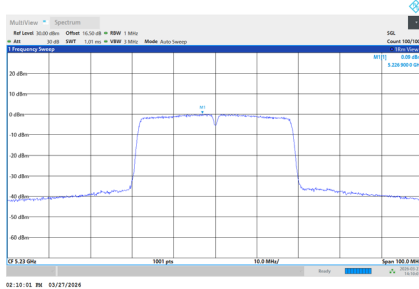
Test Mode UNII-1_TX N(HT40) Mode

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	-4.09	0.83	-3.26	11.00	Pass
46	5230	0.09	0.83	0.92	11.00	Pass

CH38



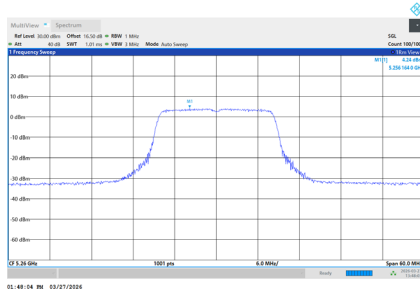
CH46



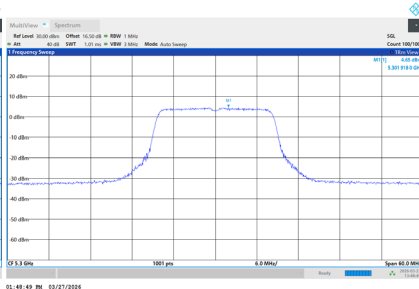
Test Mode UNII-2A_TX A Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	4.24	0.97	5.20	11.00	Pass
60	5300	4.65	0.97	5.62	11.00	Pass
64	5320	4.41	0.97	5.38	11.00	Pass

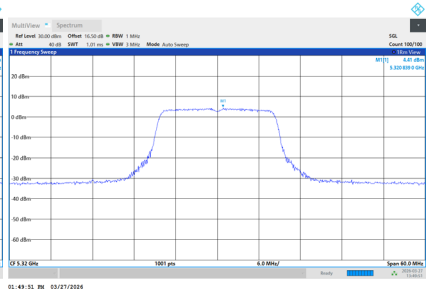
CH52



CH60



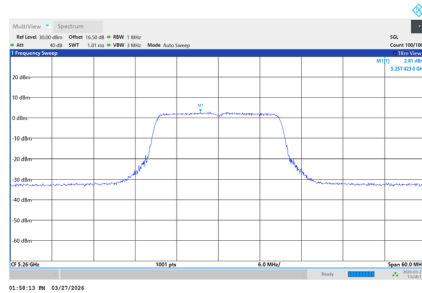
CH64



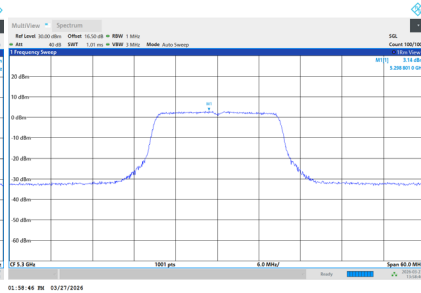
Test Mode UNII-2A_TX N(HT20) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	2.81	0.80	3.61	11.00	Pass
60	5300	3.14	0.80	3.94	11.00	Pass
64	5320	3.10	0.80	3.90	11.00	Pass

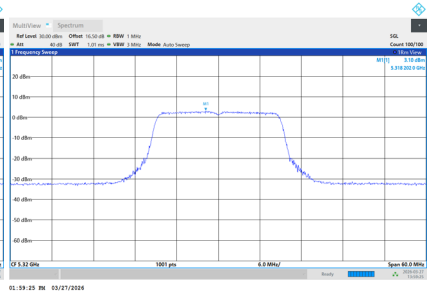
CH52



CH60



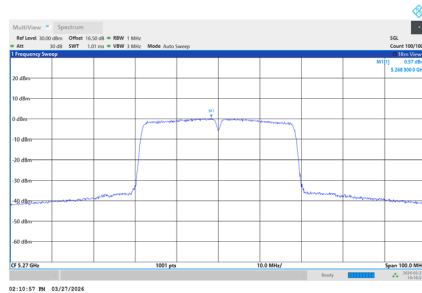
CH64



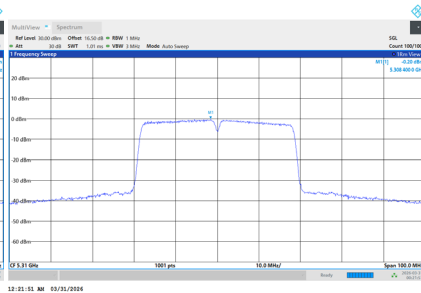
Test Mode UNII-2A_TX N(HT40) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	0.57	0.83	1.39	11.00	Pass
62	5310	-0.20	0.83	0.63	11.00	Pass

CH54



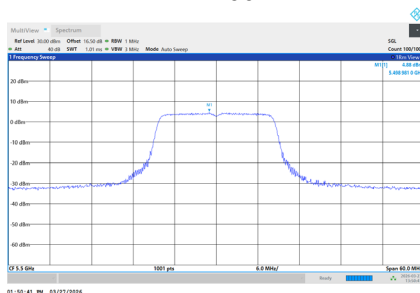
CH62



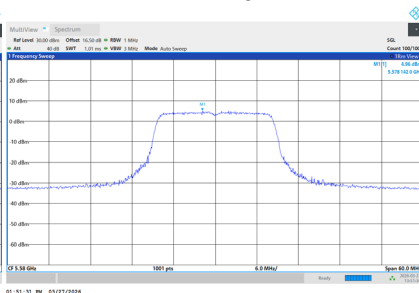
Test Mode UNII-2C_TX A Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	4.88	0.97	5.85	11.00	Pass
116	5580	4.96	0.97	5.92	11.00	Pass
140	5700	4.99	0.97	5.95	11.00	Pass

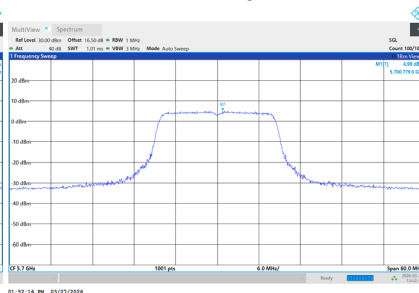
CH100



CH116



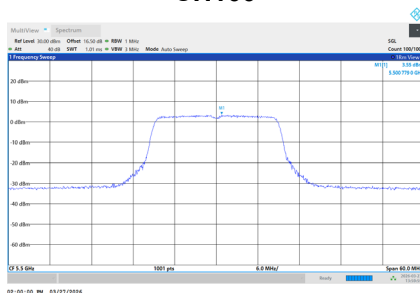
CH140



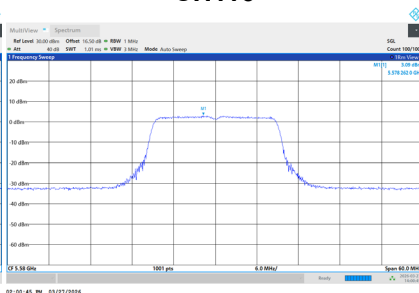
Test Mode UNII-2C_TX N(HT20) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	3.55	0.80	4.35	11.00	Pass
116	5580	3.09	0.80	3.89	11.00	Pass
140	5700	3.35	0.80	4.15	11.00	Pass

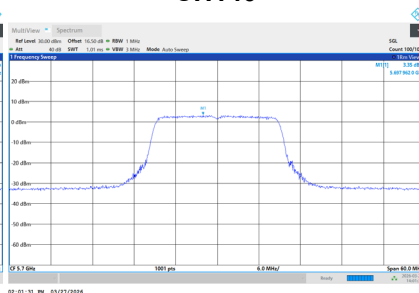
CH100



CH116

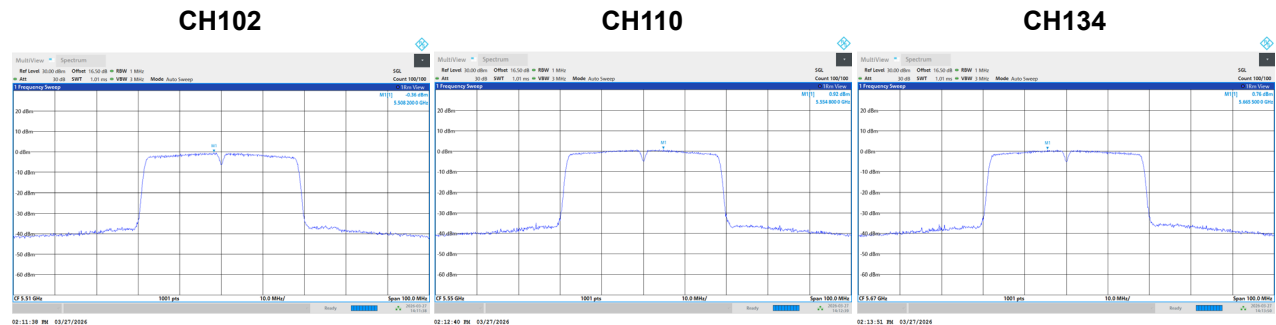


CH140



Test Mode	UNII-2C_TX N(HT40) Mode
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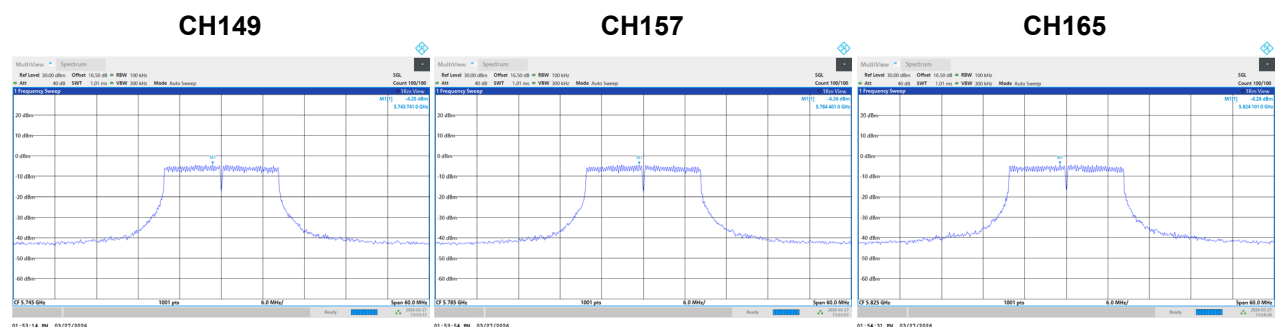
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	-0.36	0.83	0.47	11.00	Pass
110	5550	0.92	0.83	1.74	11.00	Pass
134	5670	0.76	0.83	1.59	11.00	Pass



Test Mode	UNII-3_TX A Mode
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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/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	-4.25	2.74	0.97	3.71	30.00	Pass
157	5785	-4.26	2.73	0.97	3.70	30.00	Pass
165	5825	-4.24	2.75	0.97	3.71	30.00	Pass

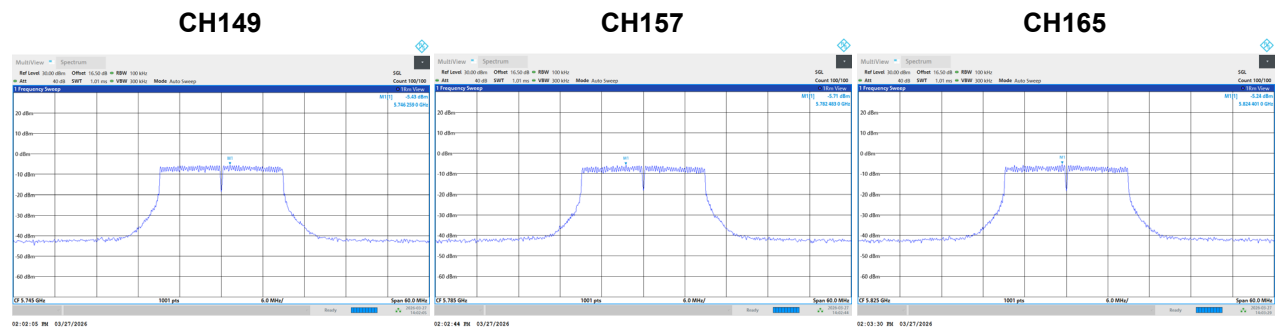
NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log(500\text{ kHz} / 100\text{ kHz}) = PSD_{dBm/100\text{ kHz}} + 6.99\text{ dB}$



Test Mode UNII-3_TX N(HT20) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	-5.43	1.56	0.80	2.36	30.00	Pass
157	5785	-5.71	1.28	0.80	2.09	30.00	Pass
165	5825	-5.24	1.75	0.80	2.55	30.00	Pass

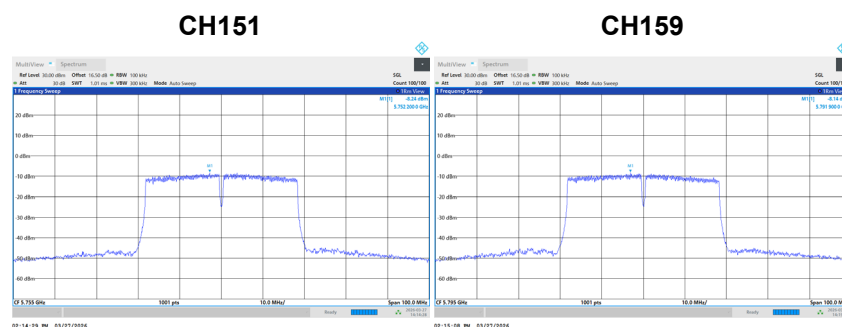
NOTE: $PSD_{dBm/500\text{ kHz}} = PSD_{dBm/100\text{ kHz}} + 10 \times \log(500\text{ kHz} / 100\text{ kHz}) = PSD_{dBm/100\text{ kHz}} + 6.99\text{ dB}$



Test Mode UNII-3_TX N(HT40) Mode

Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	-8.24	-1.25	0.83	-0.43	30.00	Pass
159	5795	-8.14	-1.15	0.83	-0.32	30.00	Pass

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



APPENDIX H - FREQUENCY STABILITY

Test Mode	UNII-1
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5180.0000
2.8	5180.0020
3.3	5180.0018
3.8	5180.0032
Maximum Deviation (MHz)	0.0032
Maximum Deviation (ppm)	0.62

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5180.0000
-20.00	5180.0040
-10.00	5179.9994
0.00	5180.0006
10.00	5180.0018
20.00	5180.0040
30.00	5180.0066
40.00	5180.0026
50.00	5180.0024
60.00	5180.0018
70.00	5180.0020
Maximum Deviation (MHz)	0.0066
Maximum Deviation (ppm)	1.2700

Test Mode	UNII-2A
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5260.0000
2.8	5260.0012
3.3	5260.0040
3.8	5260.0004
Maximum Deviation (MHz)	0.0040
Maximum Deviation (ppm)	0.0800

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5260.0000
-20.00	5260.0020
-10.00	5259.9994
0.00	5260.0066
10.00	5260.0070
20.00	5260.0012
30.00	5260.0040
40.00	5260.0040
50.00	5260.0014
60.00	5260.0010
70.00	5260.0012
Maximum Deviation (MHz)	0.0070
Maximum Deviation (ppm)	1.3289

Test Mode	UNII-2C
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5500.0000
2.8	5500.0082
3.3	5500.0039
3.8	5500.0039
Maximum Deviation (MHz)	0.0082
Maximum Deviation (ppm)	1.49

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5500.0000
-20.00	5499.9994
-10.00	5500.0028
0.00	5500.0058
10.00	5500.0069
20.00	5500.0028
30.00	5500.0038
40.00	5500.0040
50.00	5500.0004
60.00	5500.0048
70.00	5500.0038
Maximum Deviation (MHz)	0.0069
Maximum Deviation (ppm)	1.2500

Test Mode	UNII-3
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5745.0000
2.8	5745.0068
3.3	5745.0042
3.8	5745.0038
Maximum Deviation (MHz)	0.0068
Maximum Deviation (ppm)	1.1800

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5745.0000
-20.00	5744.9994
-10.00	5745.9992
0.00	5745.0052
10.00	5745.0060
20.00	5745.0034
30.00	5745.0042
40.00	5745.0038
50.00	5745.0069
60.00	5745.0042
70.00	5745.0038
Maximum Deviation (MHz)	0.0069
Maximum Deviation (ppm)	1.2000

End of Test Report