

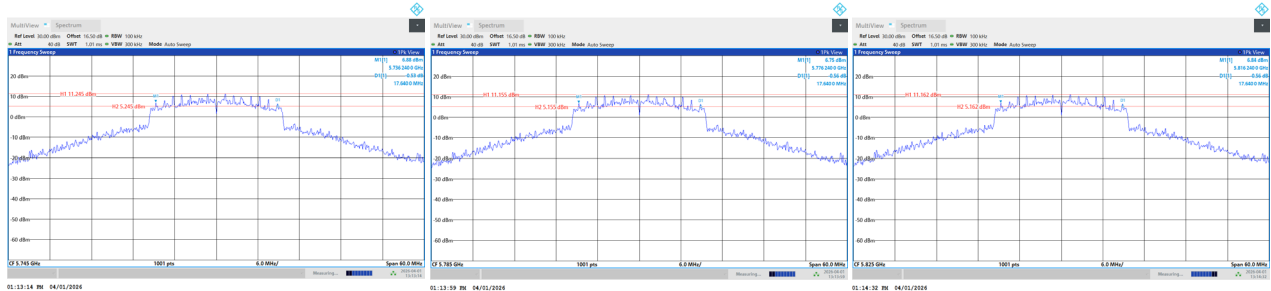
Test Mode	UNII-3_TX AX(HE20) Mode
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Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	17.640	32.883	0.5	Pass
157	5785	17.640	32.413	0.5	Pass
165	5825	17.640	33.103	0.5	Pass

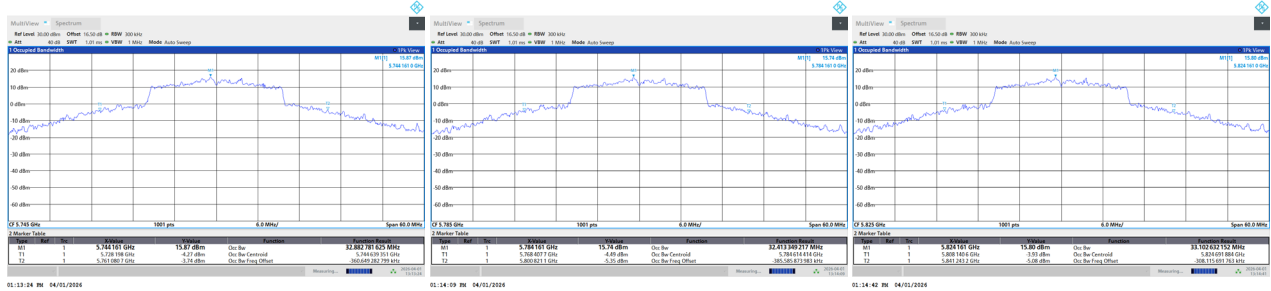
CH149

CH157
6 dB Bandwidth

CH165



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	14.65	0.00	14.65	23.98	0.2500	Pass
40	5200	20.24	0.00	20.24	23.98	0.2500	Pass
48	5240	21.22	0.00	21.22	23.98	0.2500	Pass

Test Mode	UNII-1_TX AC(VHT20) 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	14.41	0.00	14.41	23.98	0.2500	Pass
40	5200	20.13	0.00	20.13	23.98	0.2500	Pass
48	5240	21.18	0.00	21.18	23.98	0.2500	Pass

Test Mode	UNII-1_TX AC(VHT40) 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
38	5190	18.26	0.00	18.26	23.98	0.2500	Pass
46	5230	19.19	0.00	19.19	23.98	0.2500	Pass

Test Mode	UNII-1_TX AX(HE20) 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	14.34	0.00	14.34	23.98	0.2500	Pass
40	5200	19.74	0.00	19.74	23.98	0.2500	Pass
48	5240	21.14	0.00	21.14	23.98	0.2500	Pass

Test Mode	UNII-2A_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
52	5260	21.24	0.00	21.24	23.98	0.2500	Pass
60	5300	21.81	0.00	21.81	23.98	0.2500	Pass
64	5320	19.55	0.00	19.55	23.98	0.2500	Pass

Test Mode	UNII-2A_TX AC(VHT20) 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
52	5260	21.23	0.00	21.23	23.98	0.2500	Pass
60	5300	21.82	0.00	21.82	23.98	0.2500	Pass
64	5320	19.45	0.00	19.45	23.98	0.2500	Pass

Test Mode	UNII-2A_TX AC(VHT40) 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
54	5270	19.56	0.00	19.56	23.98	0.2500	Pass
62	5310	14.14	0.00	14.14	23.98	0.2500	Pass

Test Mode	UNII-2A_TX AX(HE20) 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
52	5260	21.17	0.00	21.17	23.98	0.2500	Pass
60	5300	21.25	0.00	21.25	23.98	0.2500	Pass
64	5320	14.48	0.00	14.48	23.98	0.2500	Pass

Test Mode	UNII-2C_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
100	5500	20.33	0.00	20.33	23.98	0.2500	Pass
116	5580	20.36	0.00	20.36	23.98	0.2500	Pass
140	5700	15.32	0.00	15.32	23.98	0.2500	Pass

Test Mode	UNII-2C_TX AC(VHT20) 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
100	5500	19.93	0.00	19.93	23.98	0.2500	Pass
116	5580	21.67	0.00	21.67	23.98	0.2500	Pass
140	5700	15.45	0.00	15.45	23.98	0.2500	Pass

Test Mode	UNII-2C_TX AC(VHT40) 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
102	5510	13.85	0.00	13.85	23.98	0.2500	Pass
110	5550	18.81	0.00	18.81	23.98	0.2500	Pass
134	5670	18.89	0.00	18.89	23.98	0.2500	Pass

Test Mode	UNII-2C_TX AX(HE20) Mode
-----------	--------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	14.45	0.00	14.45	23.98	0.2500	Pass
116	5580	21.62	0.00	21.62	23.98	0.2500	Pass
140	5700	15.23	0.00	15.23	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	22.33	0.00	22.33	30.00	1.0000	Pass
157	5785	22.16	0.00	22.16	30.00	1.0000	Pass
165	5825	22.09	0.00	22.09	30.00	1.0000	Pass

Test Mode	UNII-3_TX AC(VHT20) Mode
-----------	--------------------------

Channel	Frequency (MHz)	Output Power (dBm)	Duty Factor (dB)	Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	22.30	0.00	22.30	30.00	1.0000	Pass
157	5785	22.11	0.00	22.11	30.00	1.0000	Pass
165	5825	21.99	0.00	21.99	30.00	1.0000	Pass

Test Mode	UNII-3_TX AC(VHT40) 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
151	5755	20.14	0.00	20.14	30.00	1.0000	Pass
159	5795	20.16	0.00	20.16	30.00	1.0000	Pass

Test Mode	UNII-3_TX AX(HE20) 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
149	5745	22.26	0.00	22.26	30.00	1.0000	Pass
157	5785	22.10	0.00	22.10	30.00	1.0000	Pass
165	5825	21.98	0.00	21.98	30.00	1.0000	Pass

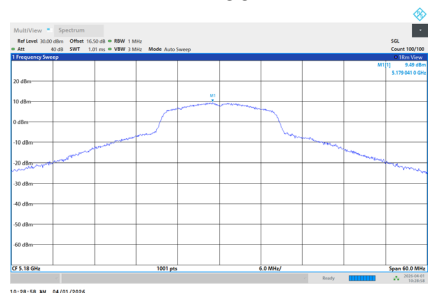
Note: Output power = Measure result + Cable loss

APPENDIX G - POWER SPECTRAL DENSITY

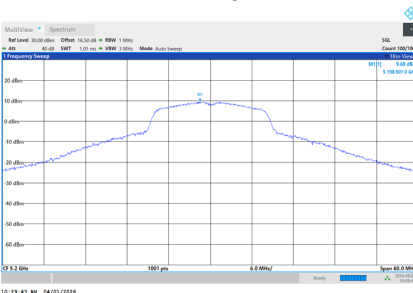
Test Mode	UNII-1_TX A Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	9.49	0.00	9.49	11.00	Pass
40	5200	9.69	0.00	9.69	11.00	Pass
48	5240	9.77	0.00	9.77	11.00	Pass

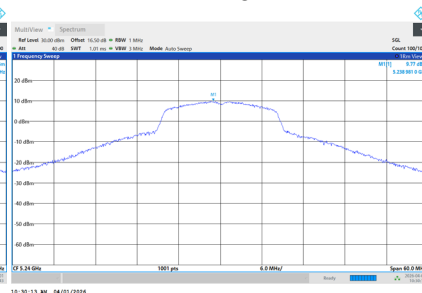
CH36



CH40



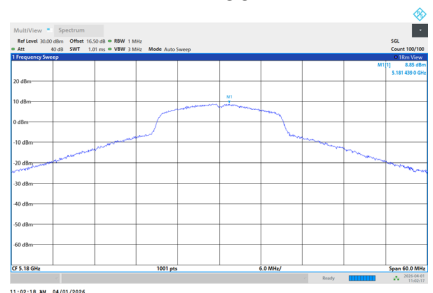
CH48



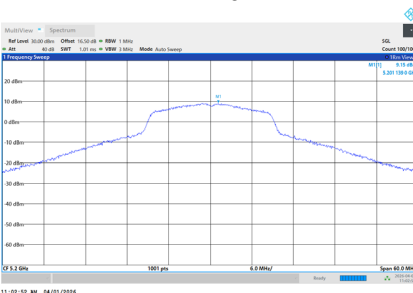
Test Mode	UNII-1_TX AC(VHT20) Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180	8.85	0.00	8.85	11.00	Pass
40	5200	9.15	0.00	9.15	11.00	Pass
48	5240	9.09	0.00	9.09	11.00	Pass

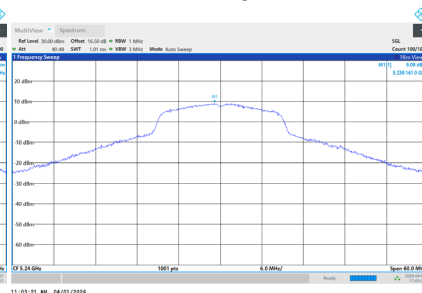
CH36



CH40



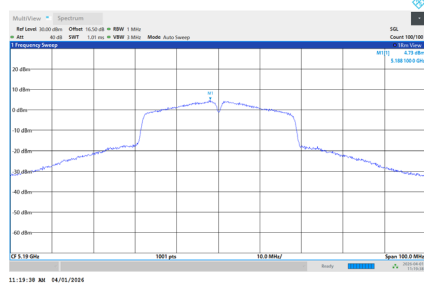
CH48



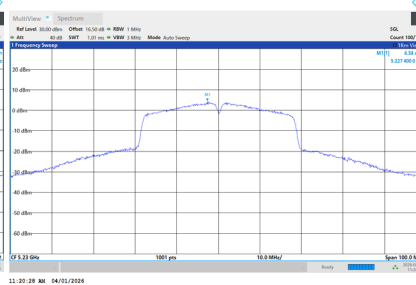
Test Mode UNII-1_TX AC(VHT40) Mode

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	4.73	0.00	4.73	11.00	Pass
46	5230	4.34	0.00	4.34	11.00	Pass

CH38



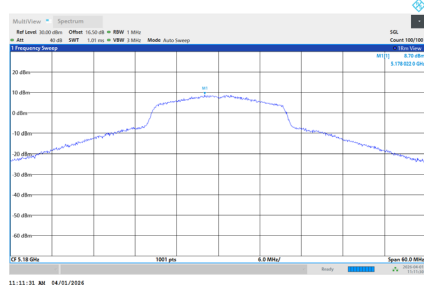
CH46



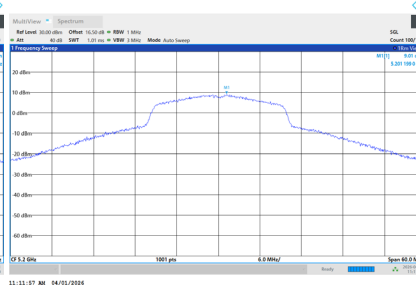
Test Mode UNII-1_TX AX(HE20) Mode

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	8.70	0.00	8.70	11.00	Pass
40	5200	9.01	0.00	9.01	11.00	Pass
48	5240	8.83	0.00	8.83	11.00	Pass

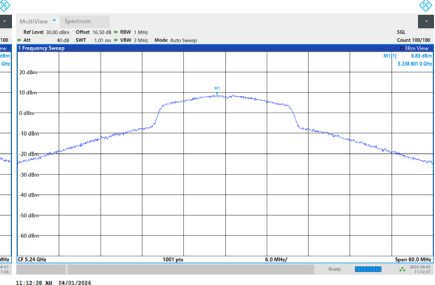
CH36



CH40



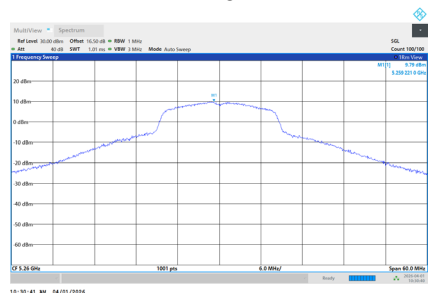
CH48



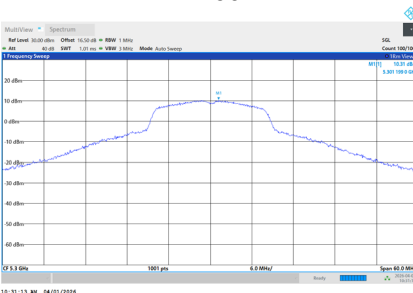
Test Mode	UNII-2A_TX A Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	9.79	0.00	9.79	11.00	Pass
60	5300	10.31	0.00	10.31	11.00	Pass
64	5320	10.43	0.00	10.43	11.00	Pass

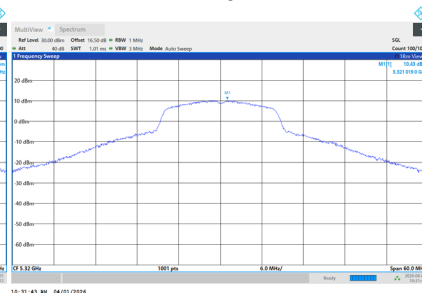
CH52



CH60



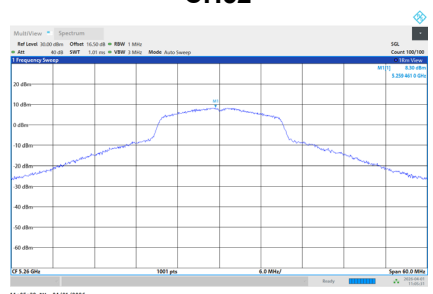
CH64



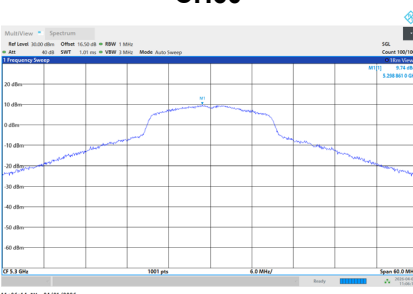
Test Mode	UNII-2A_TX AC(VHT20) Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	8.30	0.00	8.30	11.00	Pass
60	5300	9.74	0.00	9.74	11.00	Pass
64	5320	9.04	0.00	9.04	11.00	Pass

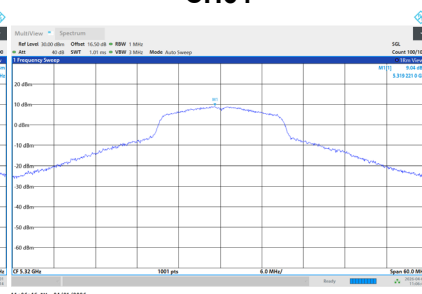
CH52



CH60



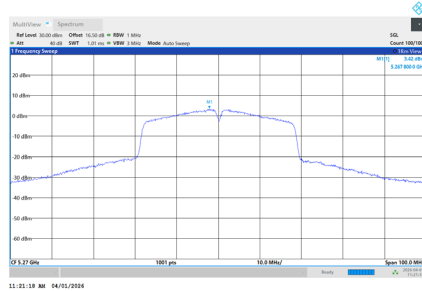
CH64



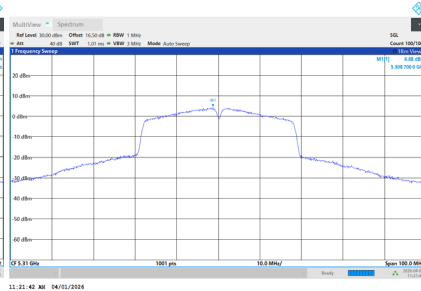
Test Mode	UNII-2A_TX AC(VHT40) Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270	3.42	0.00	3.42	11.00	Pass
62	5310	4.48	0.00	4.48	11.00	Pass

CH54



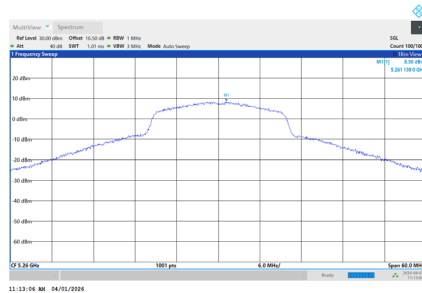
CH62



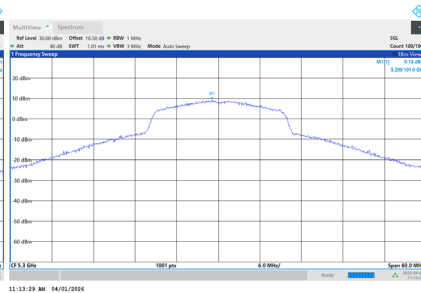
Test Mode	UNII-2A_TX AX(HE20) Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	8.30	0.00	8.30	11.00	Pass
60	5300	9.13	0.00	9.13	11.00	Pass
64	5320	9.51	0.00	9.51	11.00	Pass

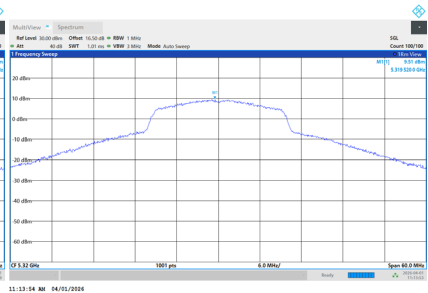
CH52



CH60



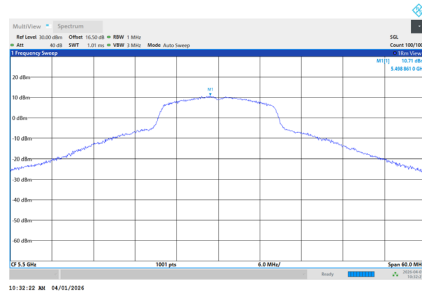
CH64



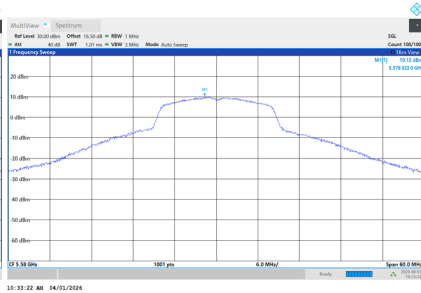
Test Mode	UNII-2C_TX A Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	10.71	0.00	10.71	11.00	Pass
116	5580	10.12	0.00	10.12	11.00	Pass
140	5700	10.75	0.00	10.75	11.00	Pass

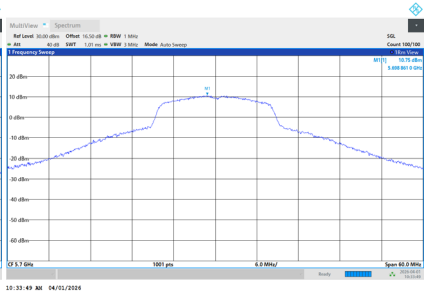
CH100



CH116



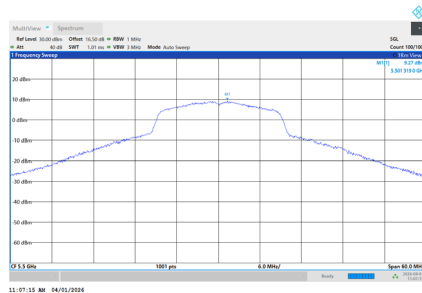
CH140



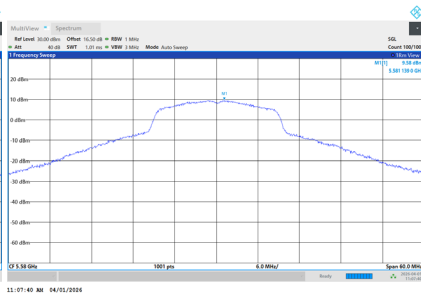
Test Mode	UNII-2C_TX AC(VHT20) Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	9.27	0.00	9.27	11.00	Pass
116	5580	9.58	0.00	9.58	11.00	Pass
140	5700	10.55	0.00	10.55	11.00	Pass

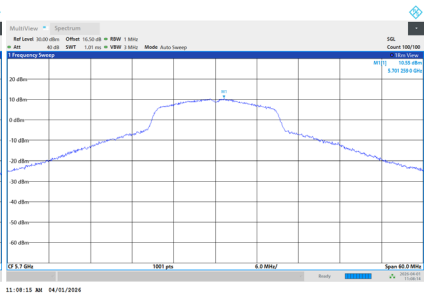
CH100



CH116



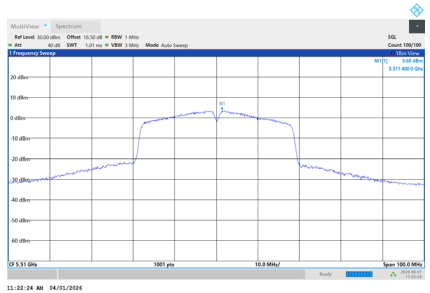
CH140



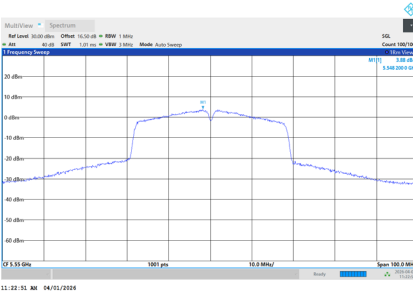
Test Mode	UNII-2C_TX AC(VHT40) Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
102	5510	3.65	0.00	3.65	11.00	Pass
110	5550	3.88	0.00	3.88	11.00	Pass
134	5670	4.08	0.00	4.08	11.00	Pass

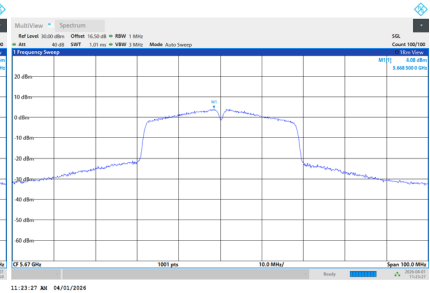
CH102



CH110



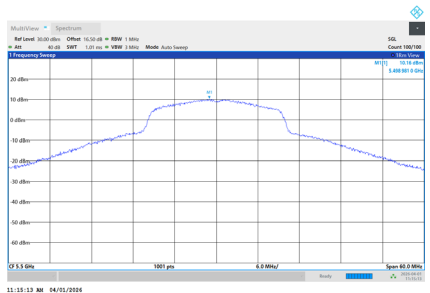
CH134



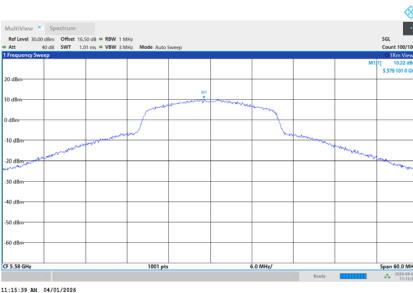
Test Mode	UNII-2C_TX AX(HE20) Mode
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Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	10.16	0.00	10.16	11.00	Pass
116	5580	10.22	0.00	10.22	11.00	Pass
140	5700	9.87	0.00	9.87	11.00	Pass

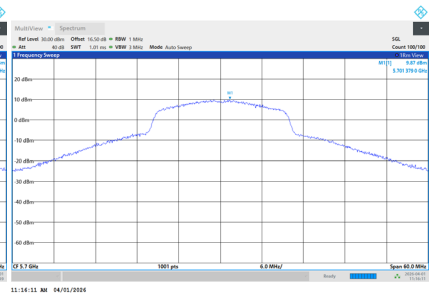
CH100



CH116



CH140

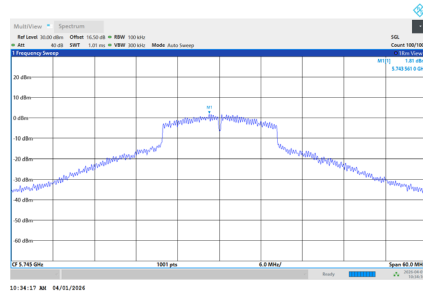


Test Mode UNII-3_TX A Mode

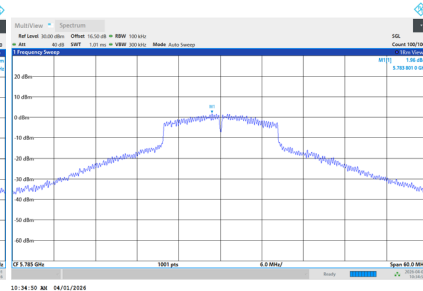
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	1.81	8.80	0.00	8.80	30.00	Pass
157	5785	1.96	8.95	0.00	8.95	30.00	Pass
165	5825	1.85	8.84	0.00	8.84	30.00	Pass

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

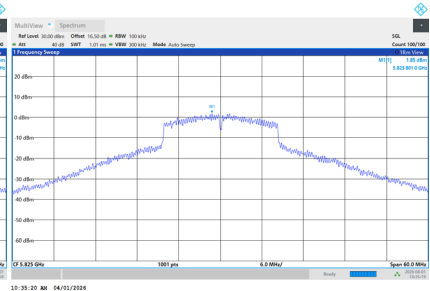
CH149



CH157



CH165

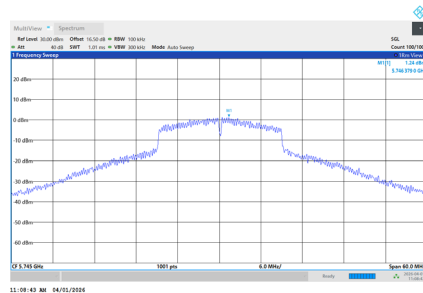


Test Mode UNII-3_TX AC(VHT20) Mode

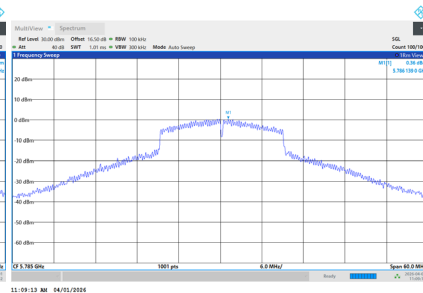
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149	5745	1.24	8.23	0.00	8.23	30.00	Pass
157	5785	0.36	7.35	0.00	7.35	30.00	Pass
165	5825	0.50	7.49	0.00	7.49	30.00	Pass

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

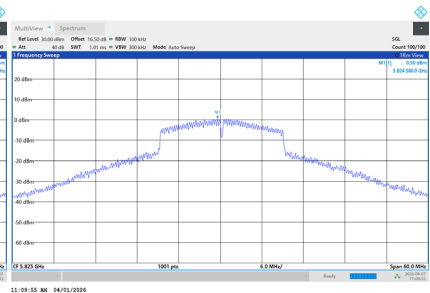
CH149



CH157



CH165

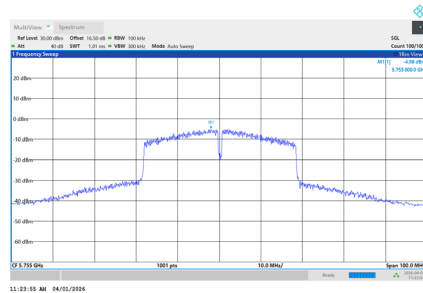


Test Mode UNII-3_TX AC(VHT40) Mode

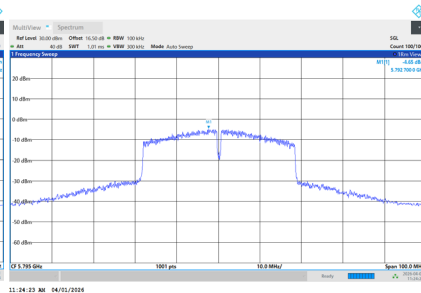
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
151	5755	-4.98	2.01	0.00	2.01	30.00	Pass
159	5795	-4.65	2.34	0.00	2.34	30.00	Pass

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

CH151



CH159

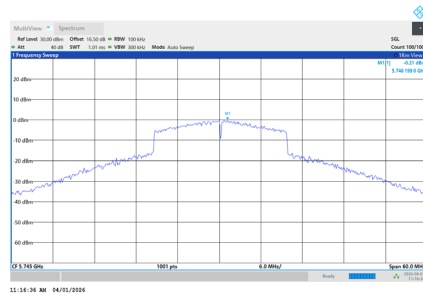


Test Mode UNII-3_TX AX(HE20) Mode

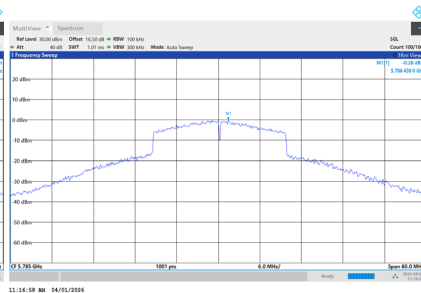
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/500 kHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	-0.21	6.78	0.00	6.78	30.00	Pass
157	5785	-0.26	6.73	0.00	6.73	30.00	Pass
165	5825	-0.40	6.59	0.00	6.59	30.00	Pass

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

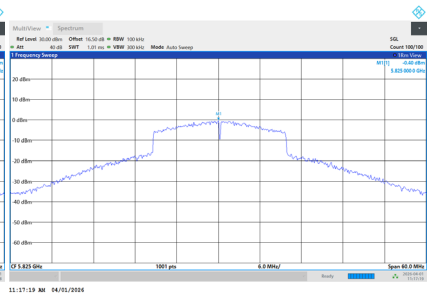
CH149



CH157



CH165



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
13.80	5179.9900
12.00	5179.9900
10.20	5180.0000
Maximum Deviation (MHz)	-0.0100
Maximum Deviation (ppm)	-1.9305

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5180.0000
-30.00	5180.0000
-20.00	5180.0000
-10.00	5180.0000
0.00	5180.0000
10.00	5179.9900
20.00	5179.9900
30.00	5180.0000
40.00	5180.0000
50.00	5179.9900
60.00	5179.9900
Maximum Deviation (MHz)	-0.0100
Maximum Deviation (ppm)	-1.9305

Test Mode	UNII-2A
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5260.0000
13.80	5259.9900
12.00	5260.0000
10.20	5259.9900
Maximum Deviation (MHz)	-0.0100
Maximum Deviation (ppm)	-1.9011

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5260.0000
-30.00	5260.0000
-20.00	5259.9900
-10.00	5260.0000
0.00	5259.9900
10.00	5259.9900
20.00	5260.0000
30.00	5259.9900
40.00	5259.9900
50.00	5259.9900
60.00	5259.9900
Maximum Deviation (MHz)	-0.0100
Maximum Deviation (ppm)	-1.9011

Test Mode	UNII-2C
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5500.0000
13.80	5499.9900
12.00	5499.9900
10.20	5499.9900
Maximum Deviation (MHz)	-0.0100
Maximum Deviation (ppm)	-1.8182

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5500.0000
-30.00	5499.9900
-20.00	5499.9900
-10.00	5499.9900
0.00	5499.9900
10.00	5499.9900
20.00	5499.9900
30.00	5500.0000
40.00	5499.9900
50.00	5499.9900
60.00	5499.9900
Maximum Deviation (MHz)	-0.0100
Maximum Deviation (ppm)	-1.8182

Test Mode	UNII-3
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Voltage vs. Frequency Stability

Voltage (V)	Measurement Frequency (MHz)
Center Frequency	5745.0000
13.80	5745.0100
12.00	5745.0000
10.20	5744.9900
Maximum Deviation (MHz)	-0.0100
Maximum Deviation (ppm)	-1.7406

Temperature vs. Frequency Stability

Temperature (°C)	Measurement Frequency (MHz)
Center Frequency	5745.0000
-30.00	5745.0100
-20.00	5745.0100
-10.00	5745.0100
0.00	5744.9900
10.00	5745.0000
20.00	5745.0000
30.00	5745.0100
40.00	5744.9900
50.00	5745.0000
60.00	5744.9900
Maximum Deviation (MHz)	0.0100
Maximum Deviation (ppm)	1.7406

End of Test Report