

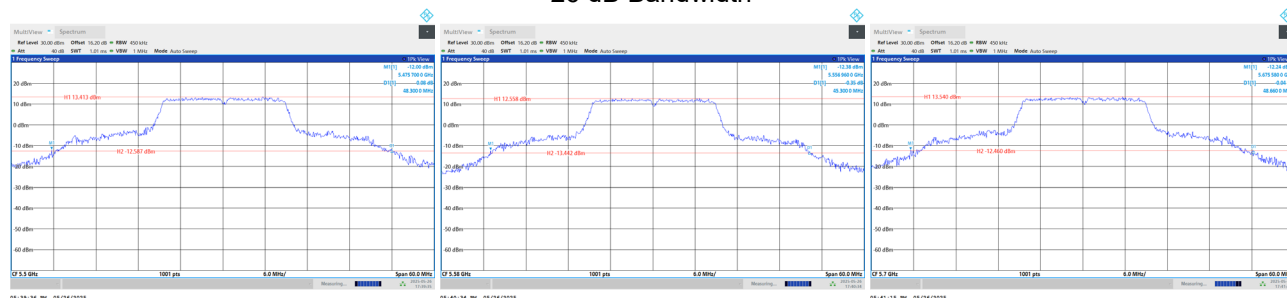
Test Mode	UNII-2C_TX N(HT20) Mode
-----------	-------------------------

Channel	Frequency (MHz)	26 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)
100	5500	48.300	33.385
116	5580	45.300	29.913
140	5700	48.660	32.458

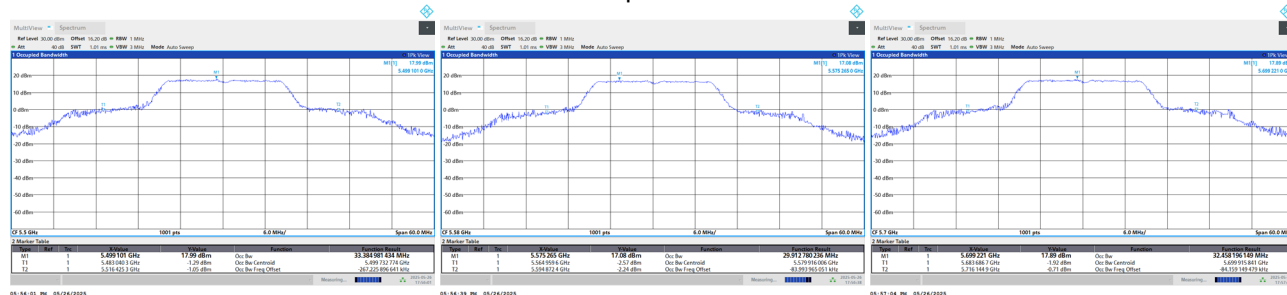
CH100

CH116
26 dB Bandwidth

CH140



99 % Occupied Bandwidth



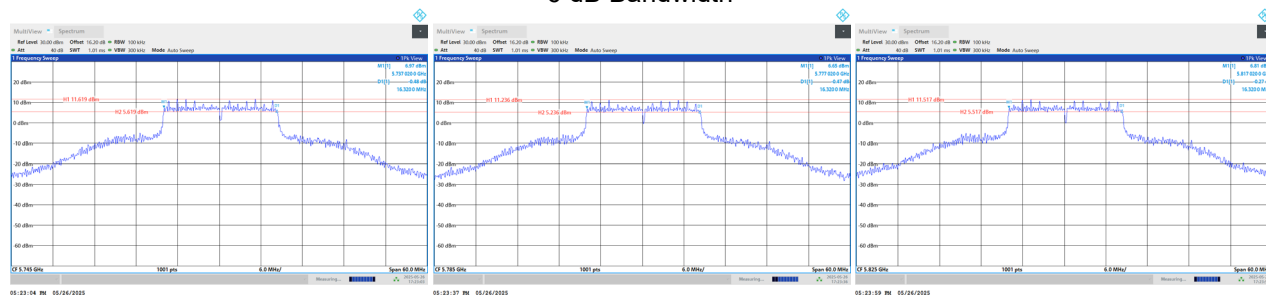
Test Mode	UNII-3_TX A Mode
-----------	------------------

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	16.320	33.516	0.5	Pass
157	5785	16.320	32.882	0.5	Pass
165	5825	16.320	34.976	0.5	Pass

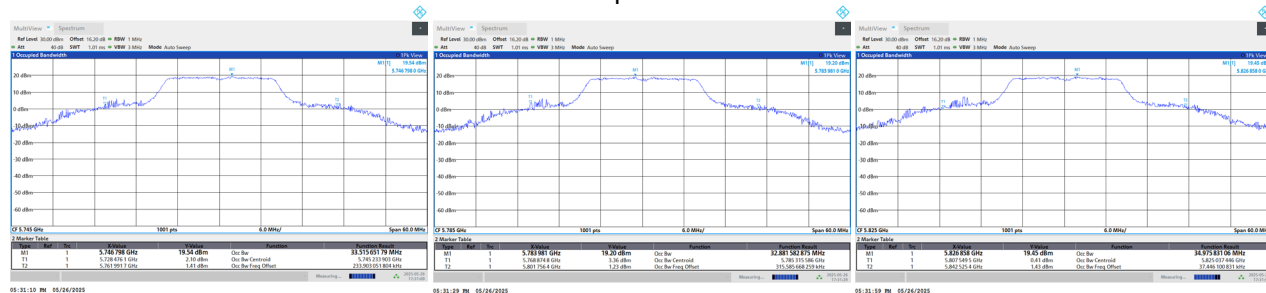
CH149

CH157
6 dB Bandwidth

CH165



99 % Occupied Bandwidth



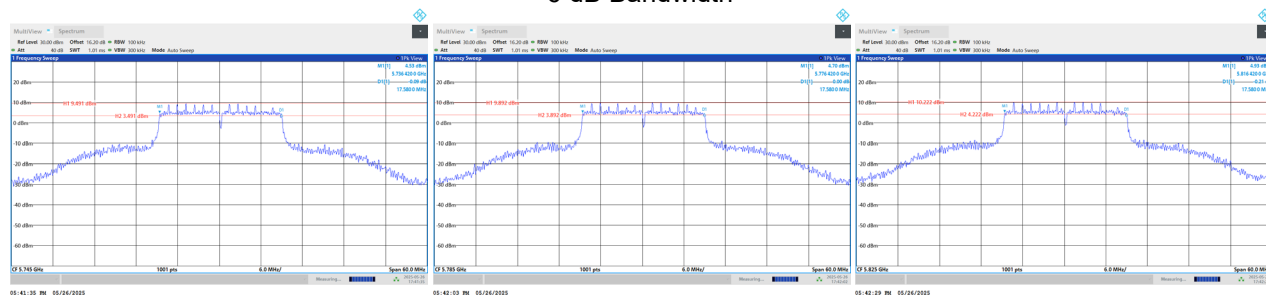
Test Mode	UNII-3_TX N(HT20) Mode
-----------	------------------------

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	99 % Occupied Bandwidth (MHz)	6 dB Bandwidth Min. Limit (MHz)	Result
149	5745	17.580	31.833	0.5	Pass
157	5785	17.580	31.959	0.5	Pass
165	5825	17.580	32.043	0.5	Pass

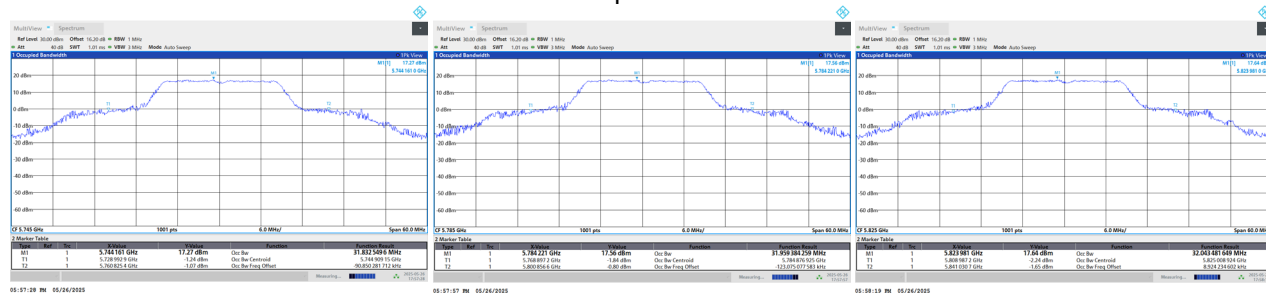
CH149

CH157
6 dB Bandwidth

CH165



99 % Occupied Bandwidth



APPENDIX F - MAXIMUM OUTPUT POWER

Test Mode	UNII-1_TX A Mode_Ant. 1
-----------	-------------------------

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor (dB)	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	20.51	0.74	21.25	23.98	0.2500	Pass
40	5200	22.12	0.74	22.86	23.98	0.2500	Pass
48	5240	22.45	0.74	23.19	23.98	0.2500	Pass

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

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor (dB)	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
36	5180	18.62	0.80	19.42	23.98	0.2500	Pass
40	5200	21.19	0.80	21.99	23.98	0.2500	Pass
48	5240	20.78	0.80	21.58	23.98	0.2500	Pass

Test Mode	UNII-2A_TX A Mode_Ant. 1
-----------	--------------------------

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor (dB)	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	22.95	0.74	23.69	23.98	0.2500	Pass
60	5300	22.36	0.74	23.10	23.98	0.2500	Pass
64	5320	18.12	0.74	18.86	23.98	0.2500	Pass

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

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor (dB)	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
52	5260	21.97	0.80	22.77	23.98	0.2500	Pass
60	5300	21.14	0.80	21.94	23.98	0.2500	Pass
64	5320	18.07	0.80	18.87	23.98	0.2500	Pass

Test Mode	UNII-2C_TX A Mode_Ant. 1
-----------	--------------------------

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor (dB)	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	18.26	0.74	19.00	23.98	0.2500	Pass
116	5580	17.69	0.74	18.43	23.98	0.2500	Pass
140	5700	18.15	0.74	18.89	23.98	0.2500	Pass

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

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor (dB)	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
100	5500	19.23	0.80	20.03	23.98	0.2500	Pass
116	5580	18.09	0.80	18.89	23.98	0.2500	Pass
140	5700	18.56	0.80	19.36	23.98	0.2500	Pass

Test Mode	UNII-3_TX A Mode_Ant. 1
-----------	-------------------------

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor (dB)	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	21.59	0.74	22.33	30.00	1.0000	Pass
157	5785	21.28	0.74	22.02	30.00	1.0000	Pass
165	5825	21.74	0.74	22.48	30.00	1.0000	Pass

Test Mode	UNII-3_TX N(HT20) Mode_Ant. 1
-----------	-------------------------------

Channel	Frequency (MHz)	AVG Output Power (dBm)	Duty Factor (dB)	AVG Output Power + Duty Factor (dBm)	Max. Limit (dBm)	Max. Limit (W)	Result
149	5745	20.89	0.80	21.69	30.00	1.0000	Pass
157	5785	20.79	0.80	21.59	30.00	1.0000	Pass
165	5825	21.09	0.80	21.89	30.00	1.0000	Pass

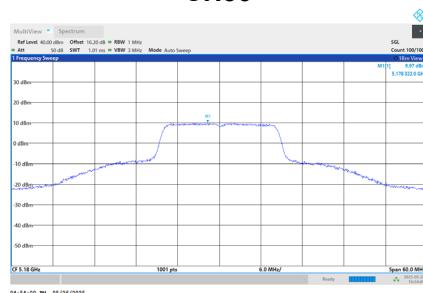
Note: Output power = Measure result + Cable loss

APPENDIX G - POWER SPECTRAL DENSITY

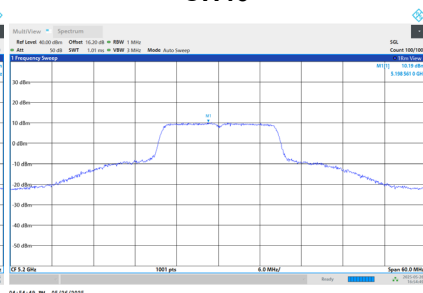
Test Mode	UNII-1_TX A Mode_Ant. 1
-----------	-------------------------

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	9.97	0.74	10.71	11.00	Pass
40	5200	10.19	0.74	10.93	11.00	Pass
48	5240	9.91	0.74	10.66	11.00	Pass

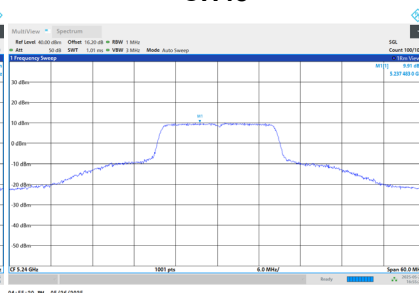
CH36



CH40



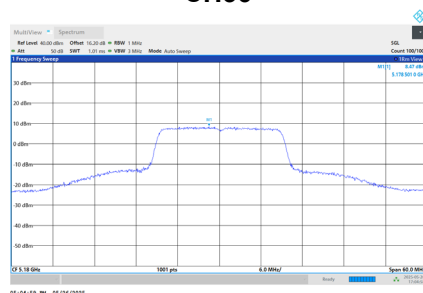
CH48



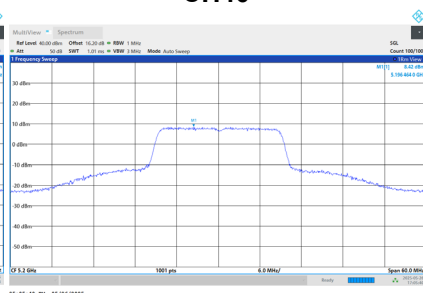
Test Mode	UNII-1_TX N(HT20) Mode_Ant. 1
-----------	-------------------------------

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	8.47	0.80	9.27	11.00	Pass
40	5200	8.42	0.80	9.22	11.00	Pass
48	5240	8.40	0.80	9.20	11.00	Pass

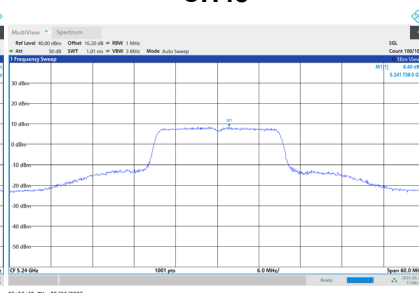
CH36



CH40

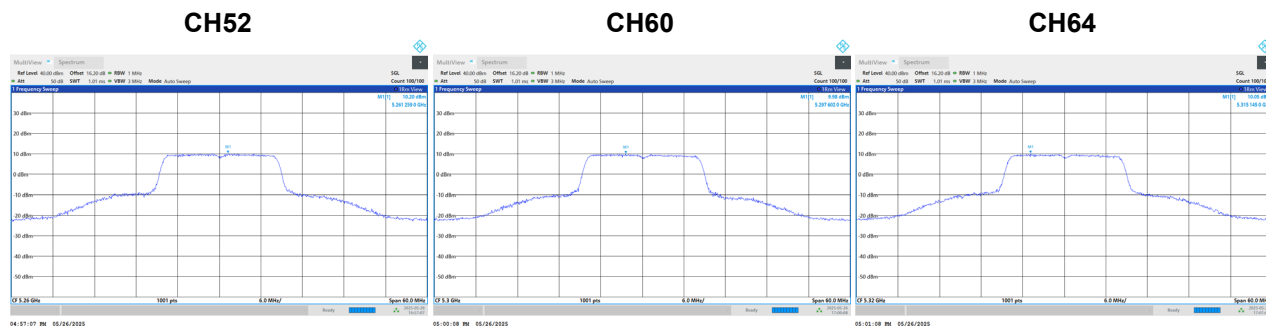


CH48



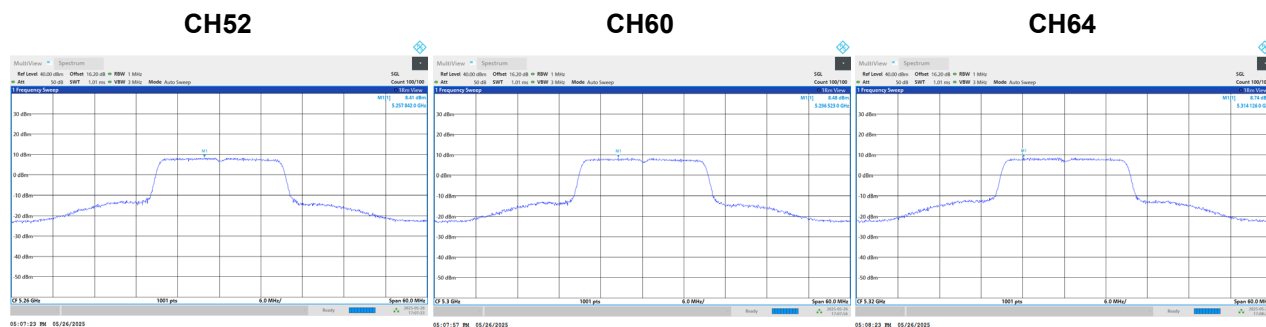
Test Mode	UNII-2A_TX A Mode_Ant. 1
-----------	--------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	10.20	0.74	10.94	11.00	Pass
60	5300	9.98	0.74	10.73	11.00	Pass
64	5320	10.05	0.74	10.80	11.00	Pass



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

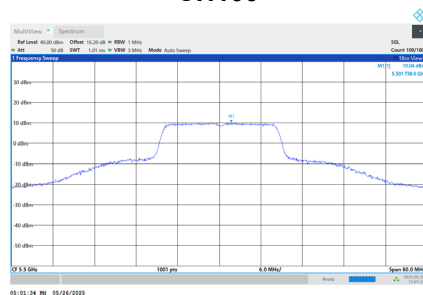
Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260	8.41	0.80	9.21	11.00	Pass
60	5300	8.48	0.80	9.28	11.00	Pass
64	5320	8.74	0.80	9.54	11.00	Pass



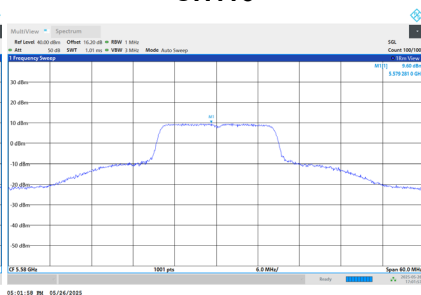
Test Mode	UNII-2C_TX A Mode_Ant. 1
-----------	--------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	10.04	0.74	10.79	11.00	Pass
116	5580	9.60	0.74	10.35	11.00	Pass
140	5700	9.57	0.74	10.32	11.00	Pass

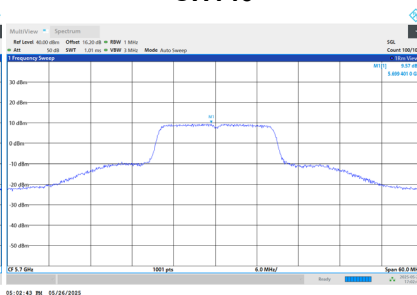
CH100



CH116



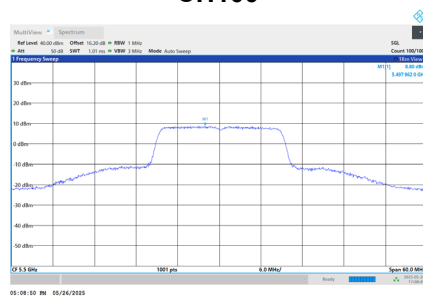
CH140



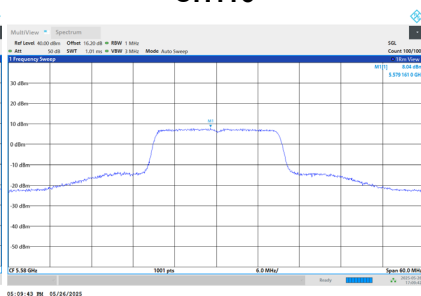
Test Mode	UNII-2C_TX N(HT20) Mode_Ant. 1
-----------	--------------------------------

Channel	Frequency (MHz)	Power Spectral Density (dBm/MHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/MHz)	Result
100	5500	8.80	0.80	9.60	11.00	Pass
116	5580	8.04	0.80	8.84	11.00	Pass
140	5700	8.73	0.80	9.53	11.00	Pass

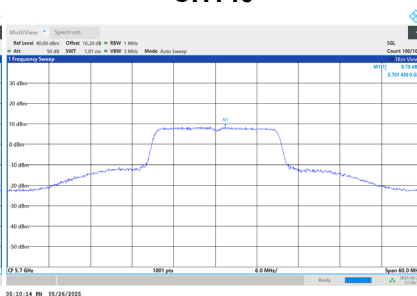
CH100



CH116



CH140

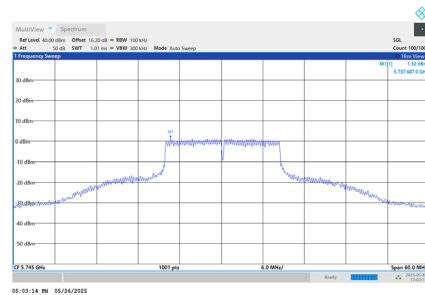


Test Mode	UNII-3_TX A Mode_Ant. 1
-----------	-------------------------

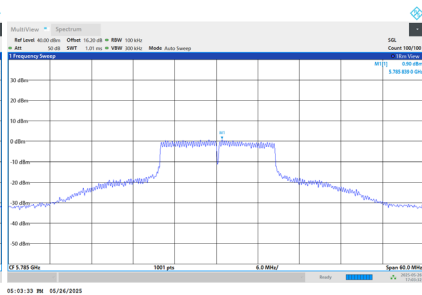
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	1.32	8.31	0.74	9.05	30.00	Pass
157	5785	0.90	7.89	0.74	8.64	30.00	Pass
165	5825	1.24	8.23	0.74	8.97	30.00	Pass

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

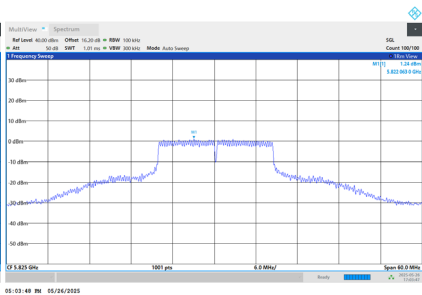
CH149



CH157



CH165

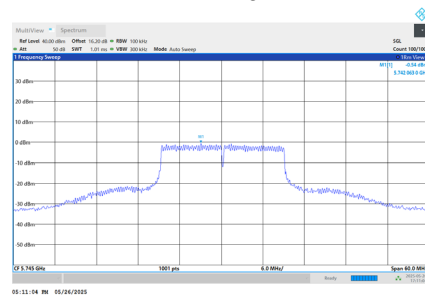


Test Mode	UNII-3_TX N(HT20) Mode_Ant. 1
-----------	-------------------------------

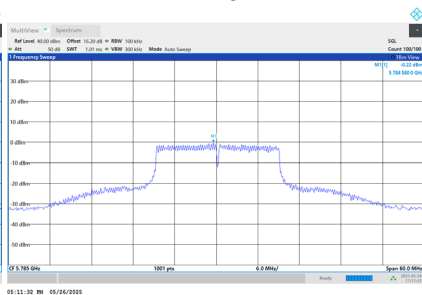
Channel	Frequency (MHz)	Power Spectral Density (dBm/100 kHz)	Power Spectral Density (dBm/500 kHz)	Duty Factor (dB)	Power Spectral Density + Duty Factor (dBm/MHz)	Max. Limit (dBm/500 kHz)	Result
149	5745	-0.54	6.45	0.80	7.25	30.00	Pass
157	5785	-0.22	6.77	0.80	7.57	30.00	Pass
165	5825	-0.42	6.57	0.80	7.37	30.00	Pass

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

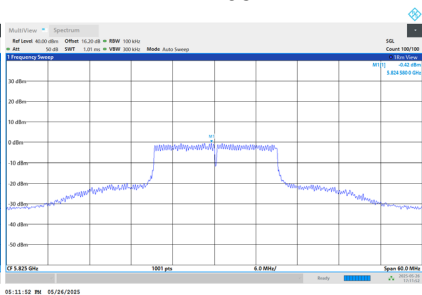
CH149



CH157



CH165



End of Test Report