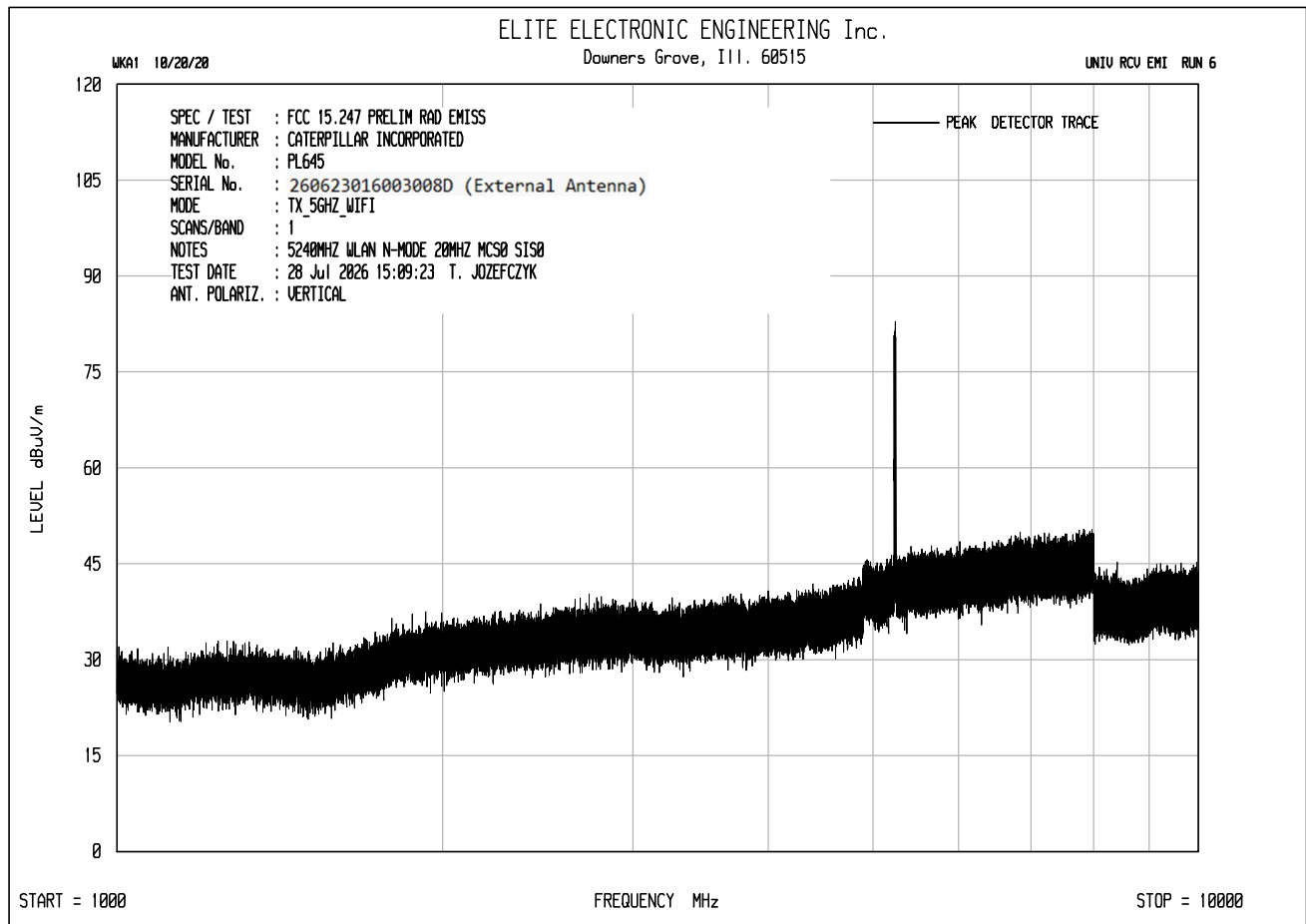
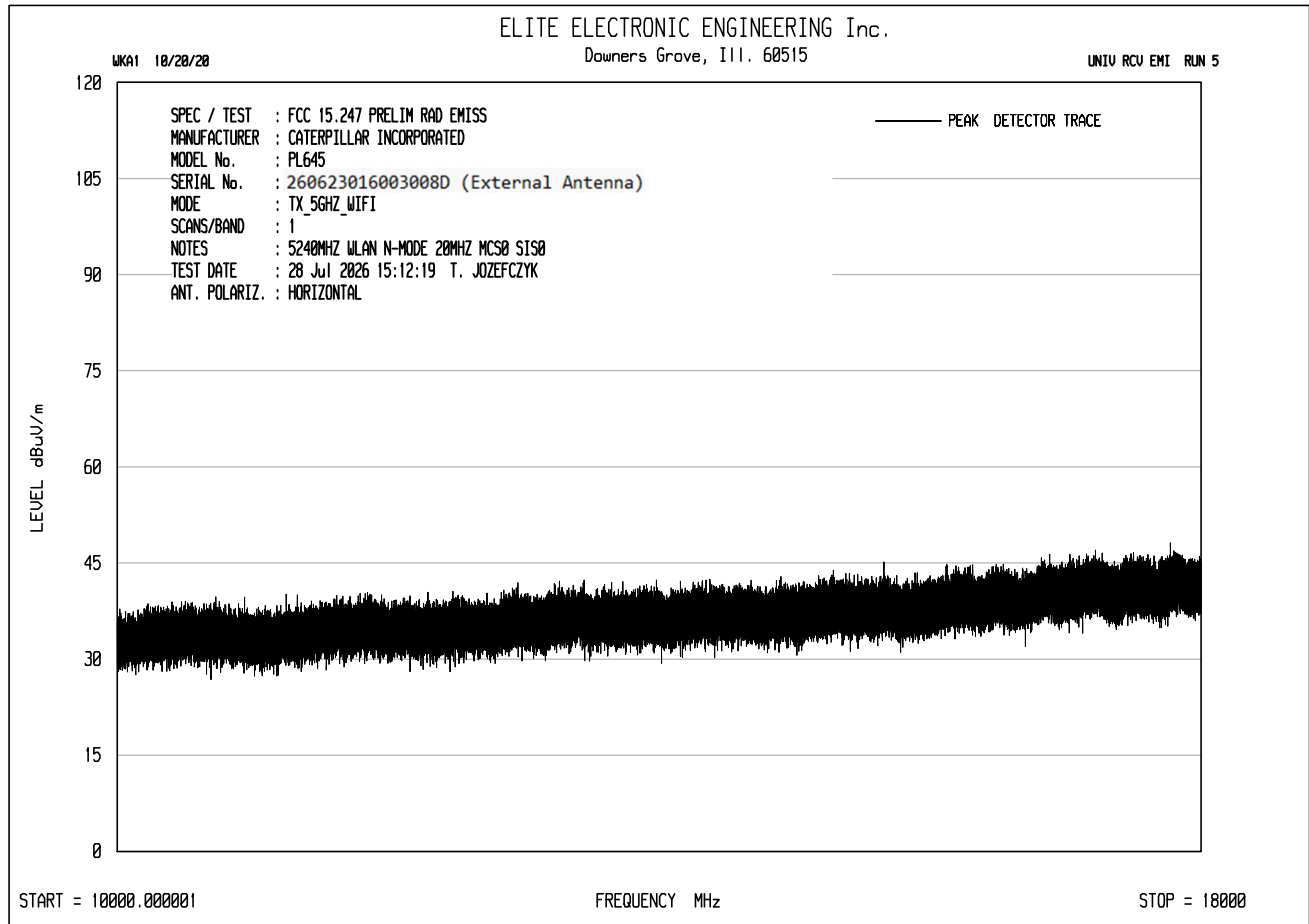
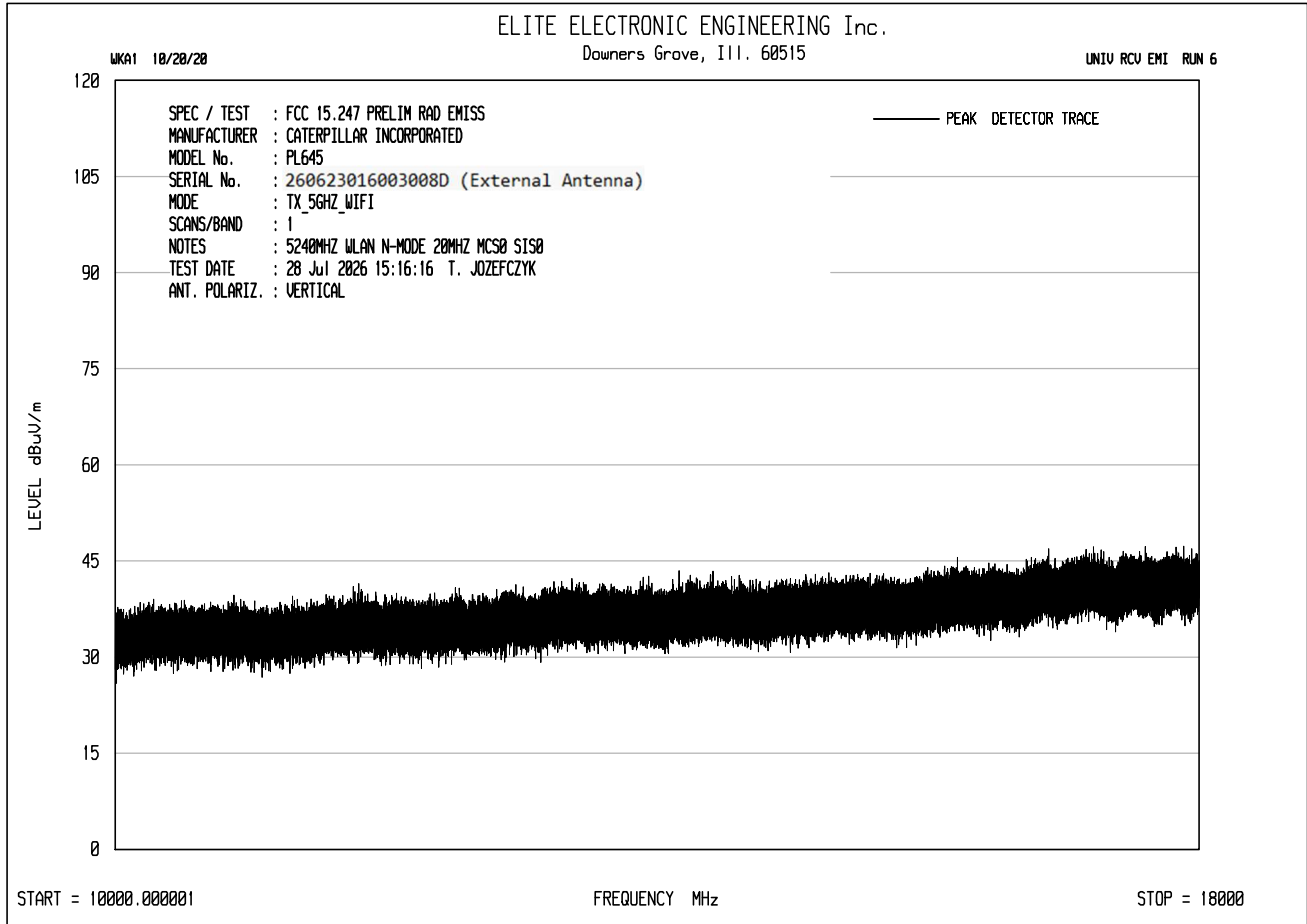
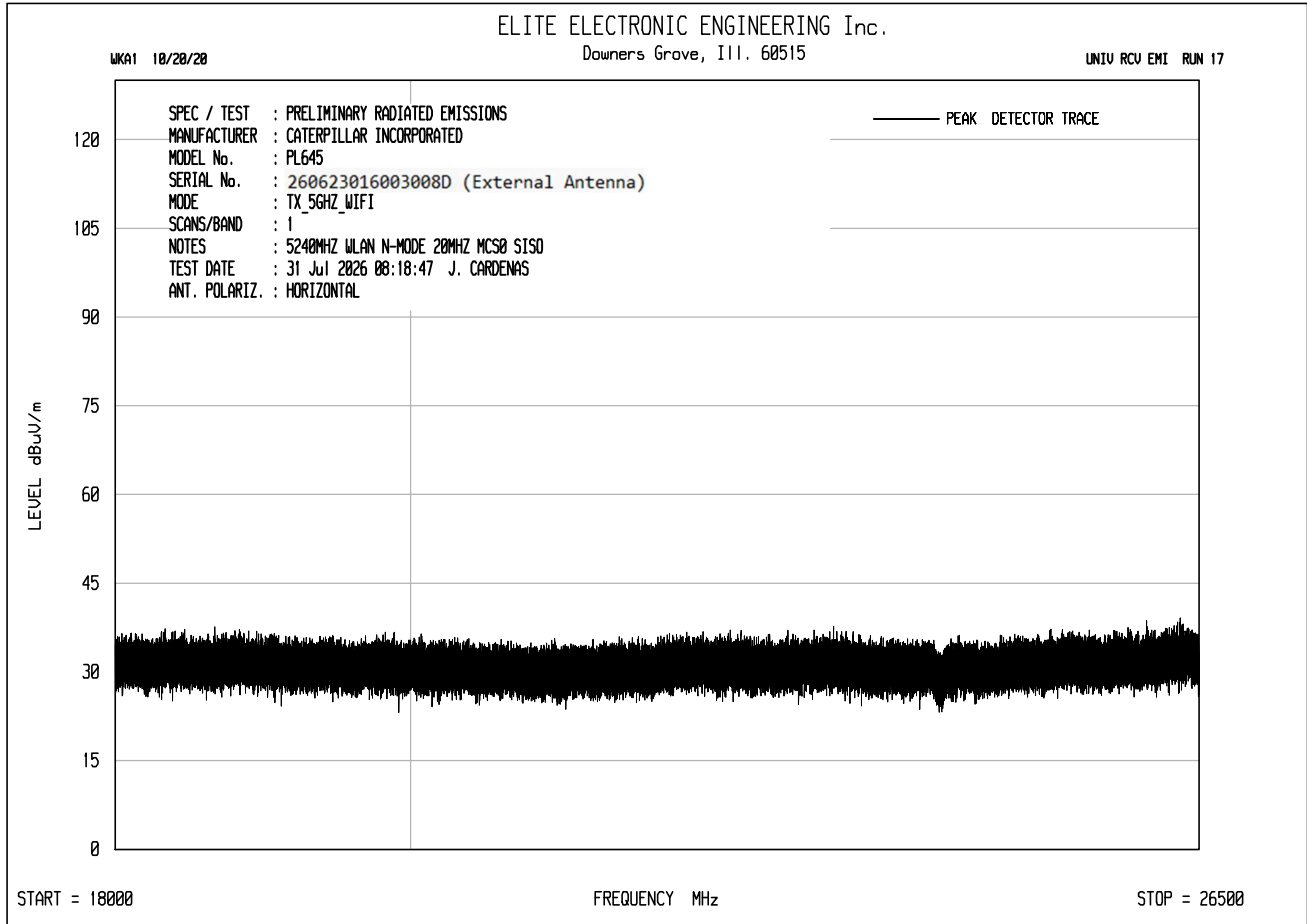
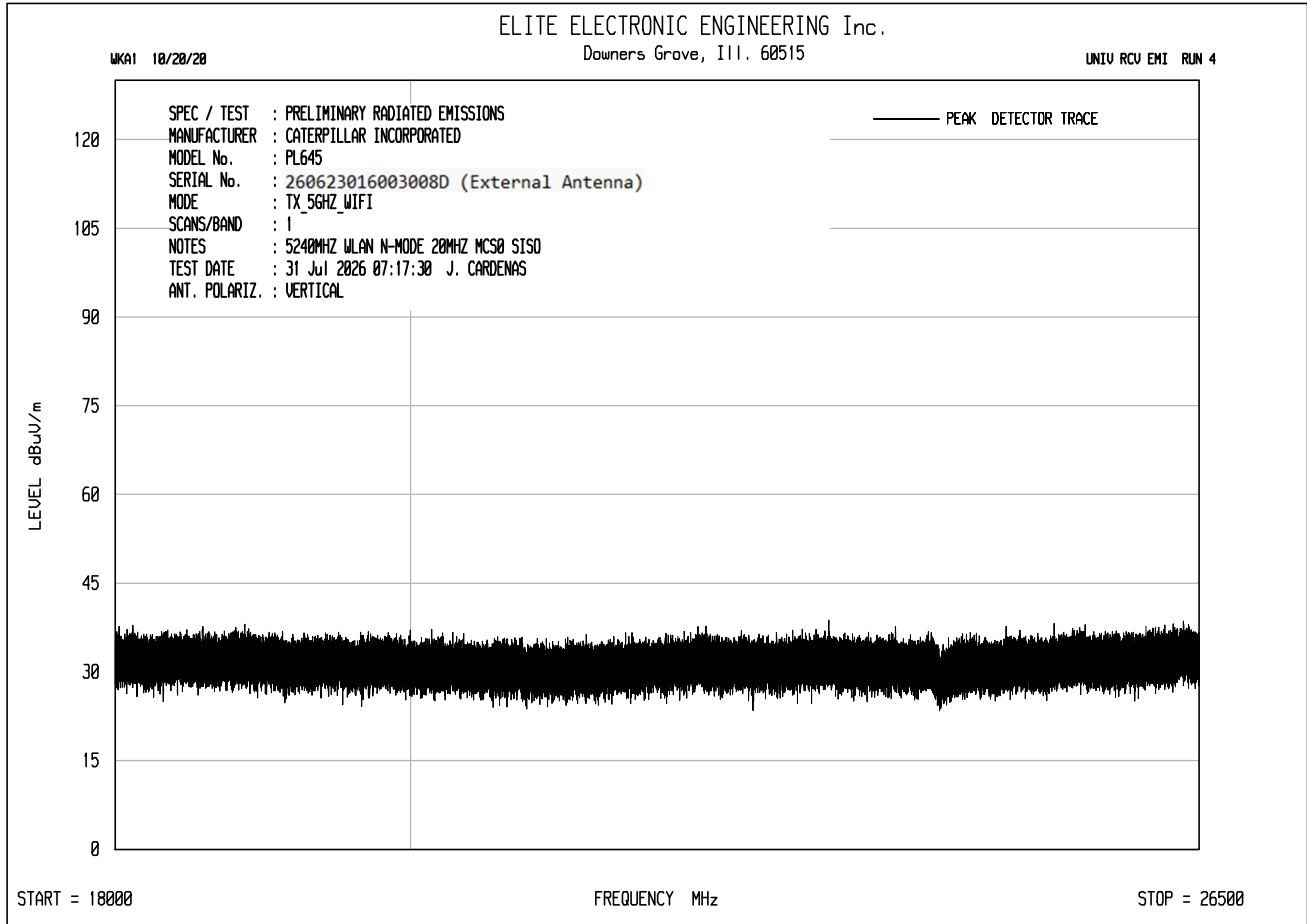


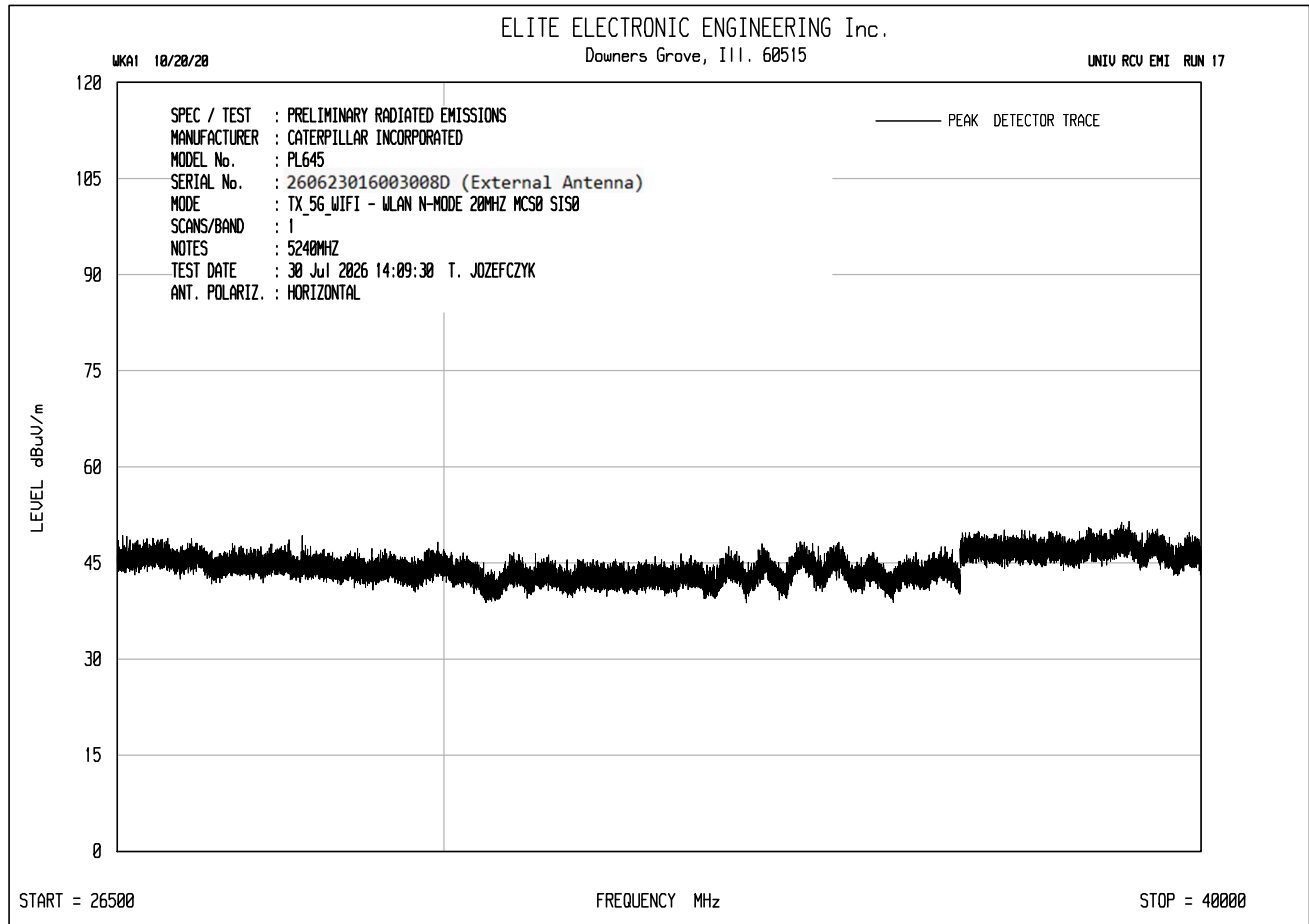


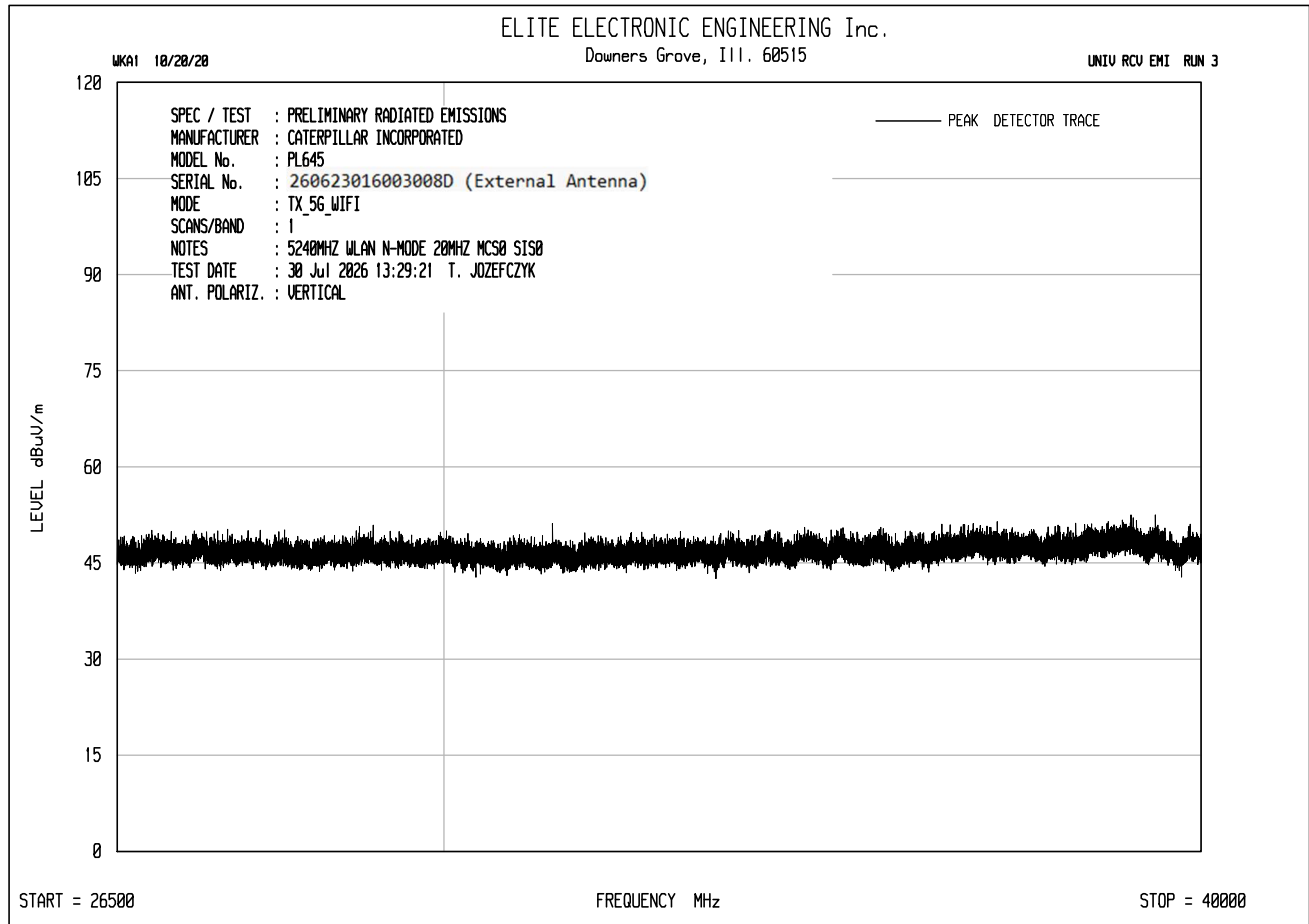










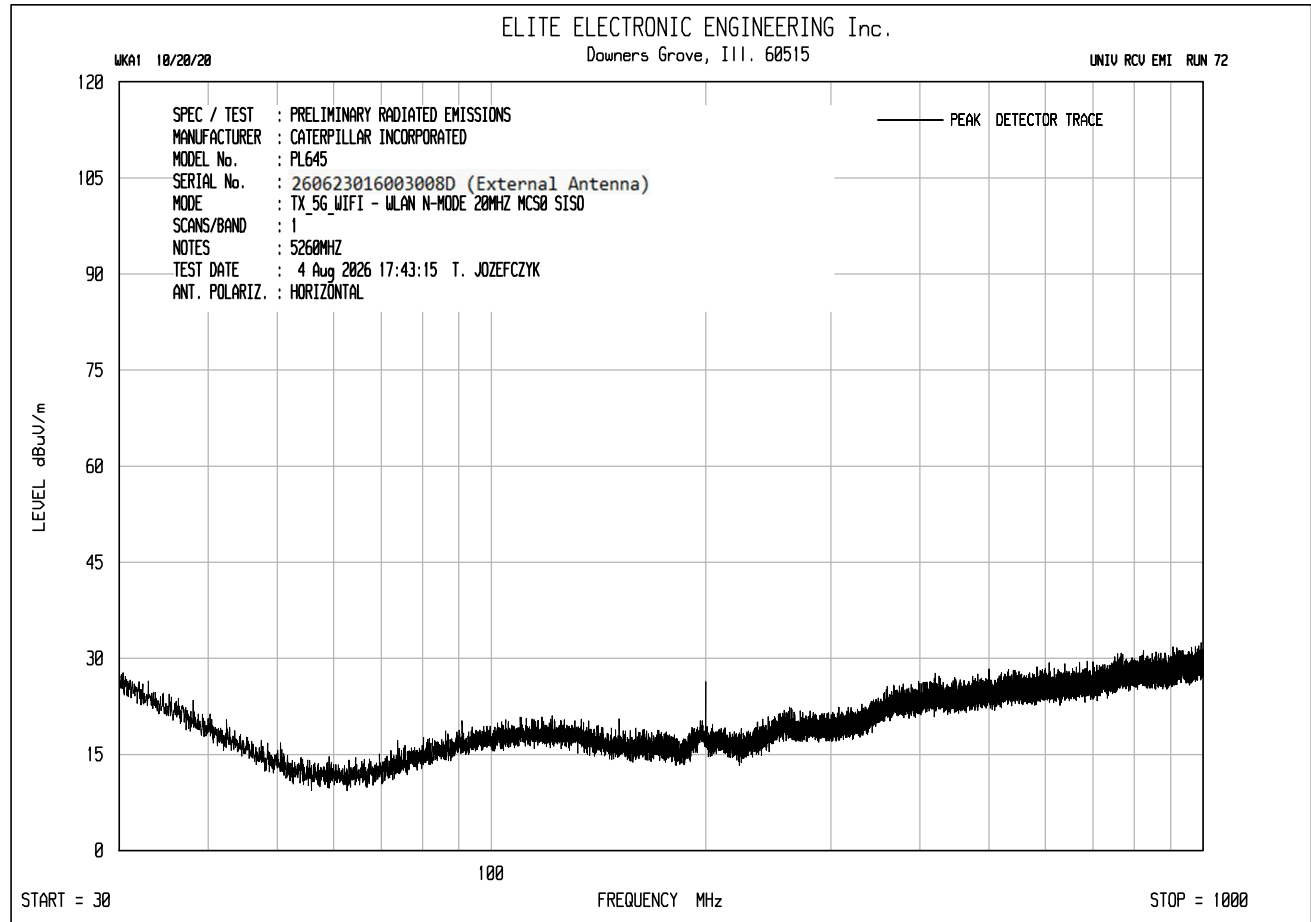


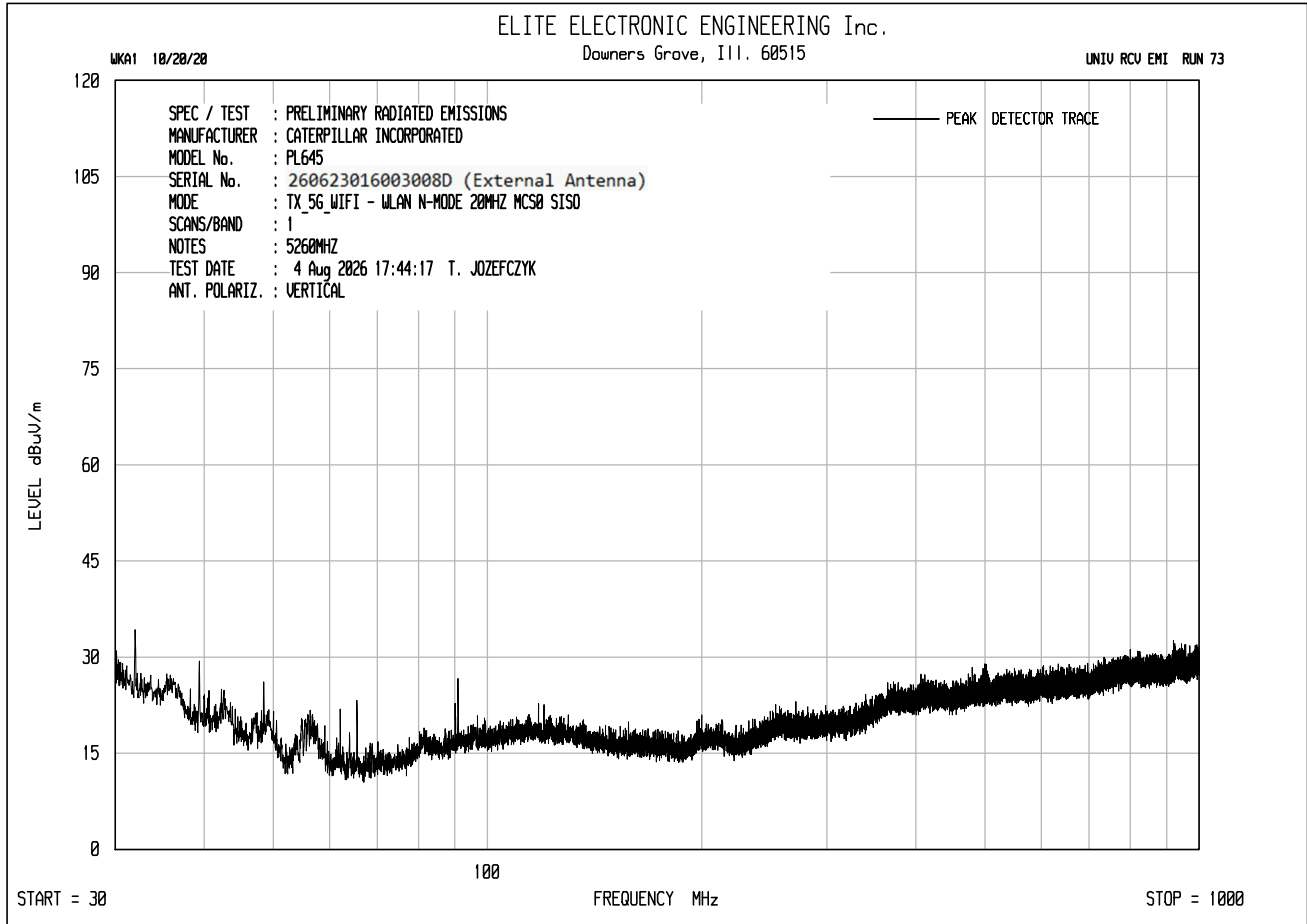
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dB)
15720.00	H	47.81	Ambient	6.84	40.60	-39.69	55.56	599.60	5000.00	-18.42
	V	48.46	Ambient	6.84	40.60	-39.69	56.21	646.20	5000.00	-17.77

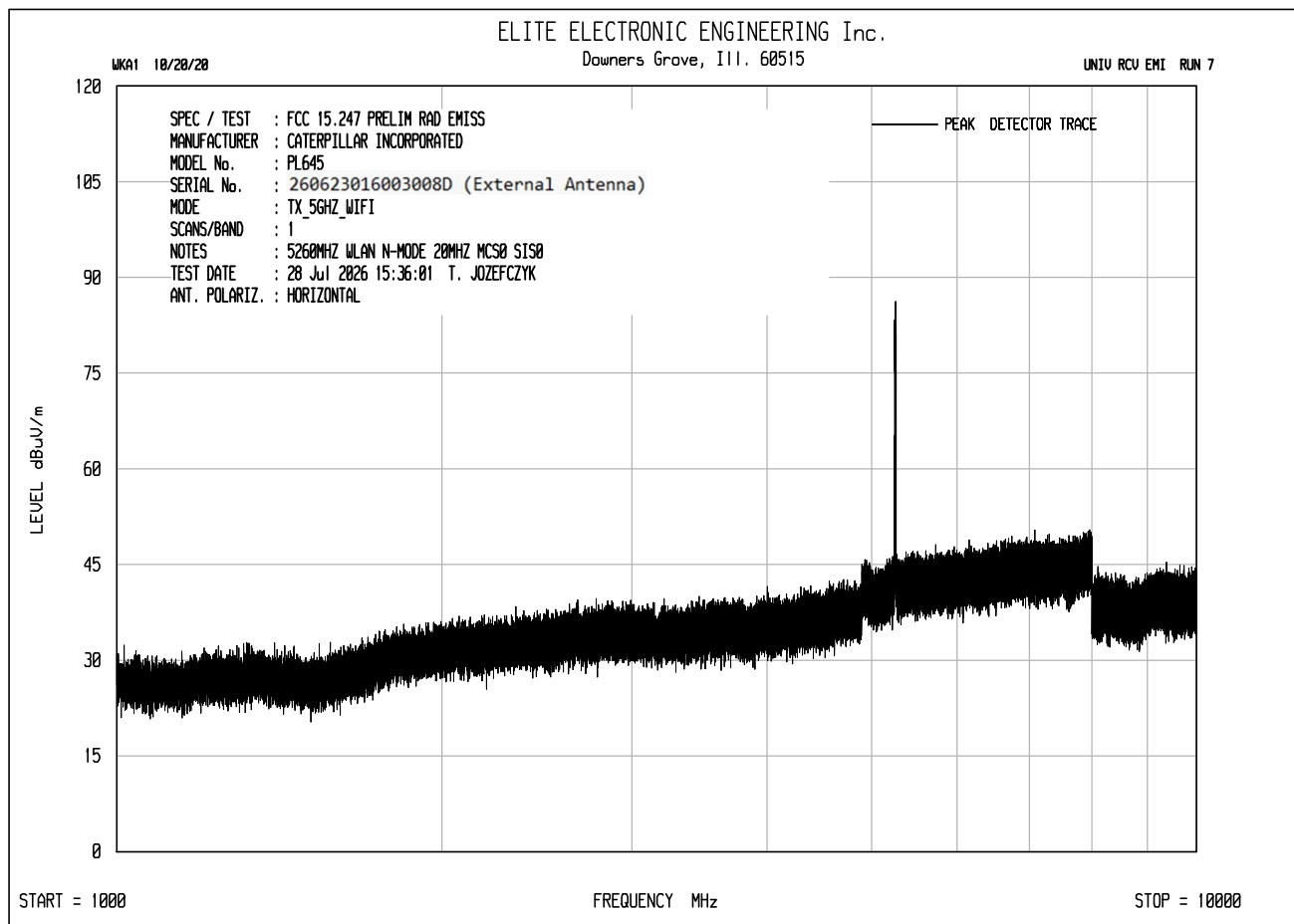
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
15720.00	H	33.05	Ambient	6.84	40.60	-39.69	0.00	40.80	109.61	500.00	-13.18
	V	33.04	Ambient	6.84	40.60	-39.69	0.00	40.79	109.49	500.00	-13.19

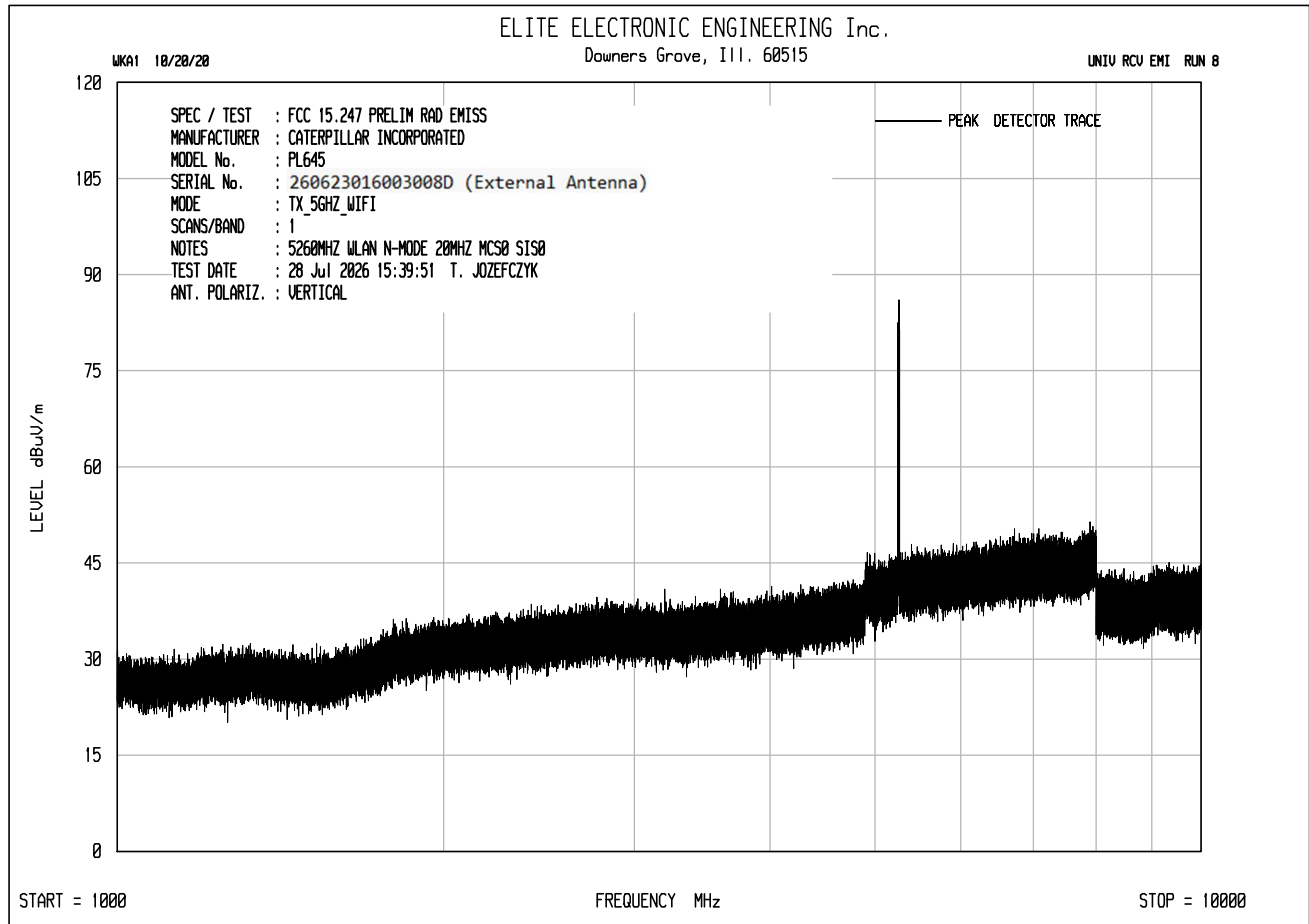
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak EIRP Total (dBm/MHz)	Peak EIRP Limit (dBm/MHz)	Margin (dB)
10480.00	H	38.57	Ambient	5.52	37.75	-40.39	41.45	-53.75	-27.00	-26.75
	V	38.87	Ambient	5.52	37.75	-40.39	41.75	-53.45	-27.00	-26.45

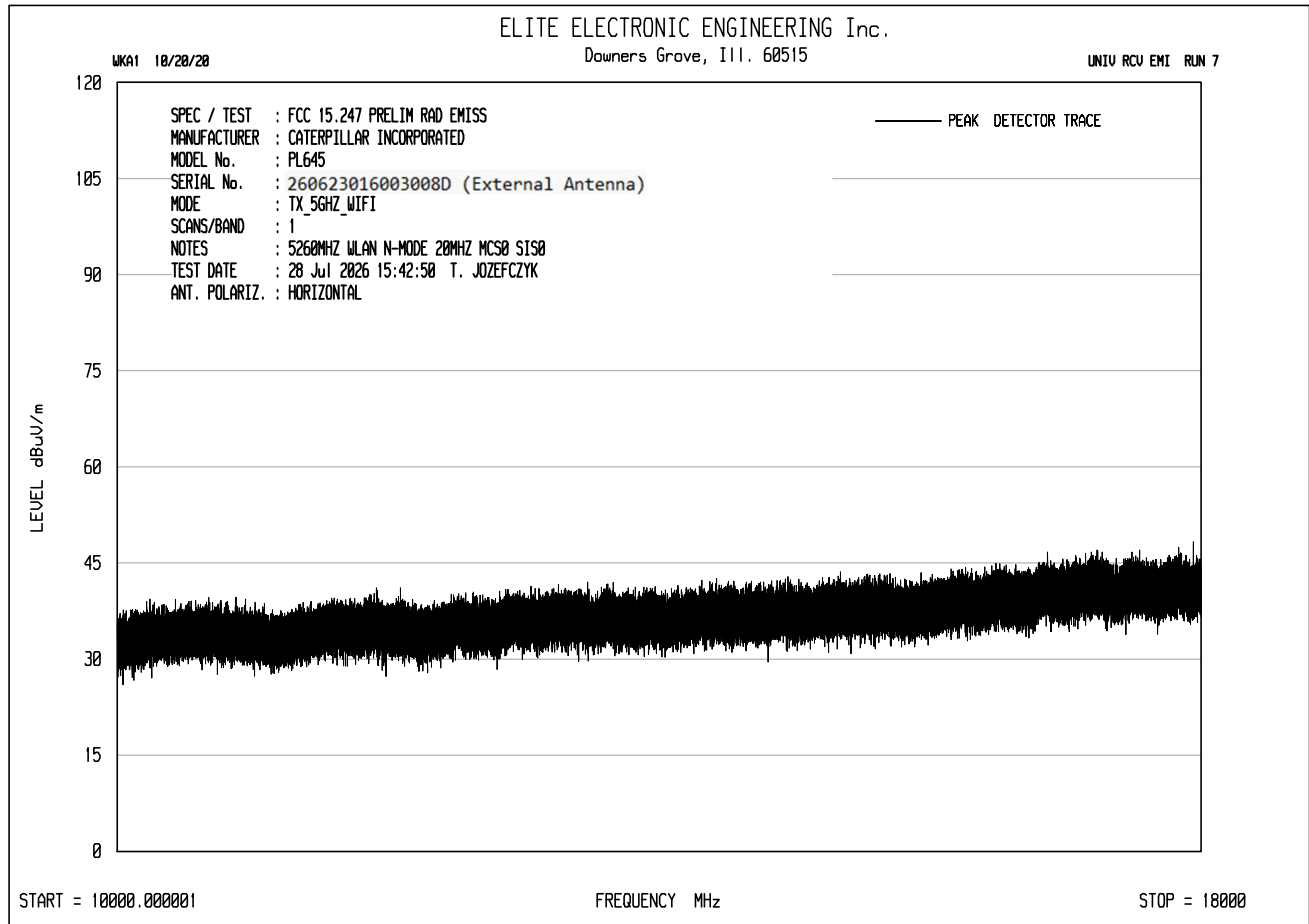
Test Details	
Manufacturer	Caterpillar Inc
Equipment Under Test	5G Telematics Radio
Model No.	PL645
Part No.	7620.002.905-13
Serial No.	260623016003008D (External Antenna)
Mode	WLAN n-Mode, 40MHz, MCS0, SISO – U-NII-2A
Frequency Tested	5260MHz
Notes	None

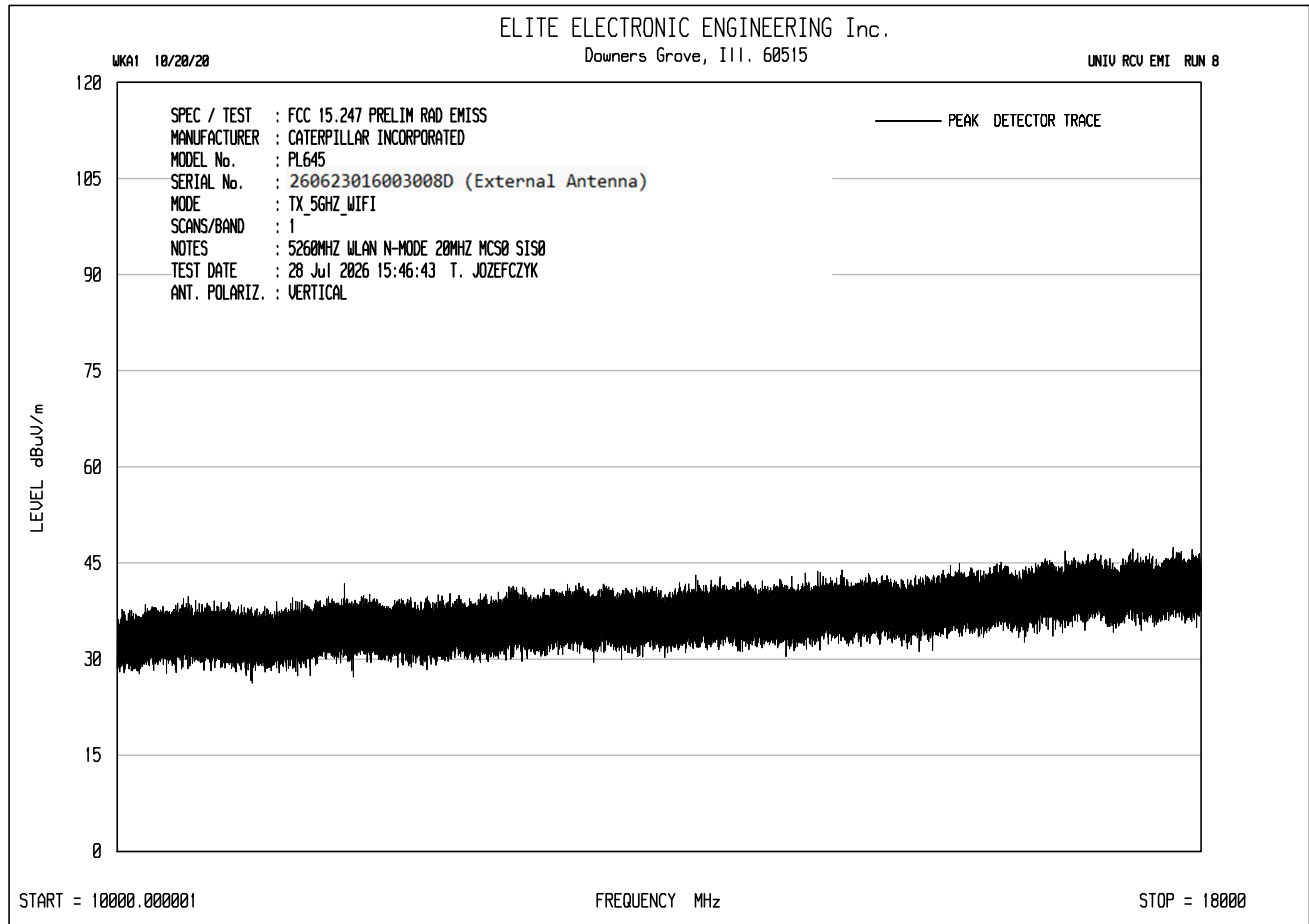


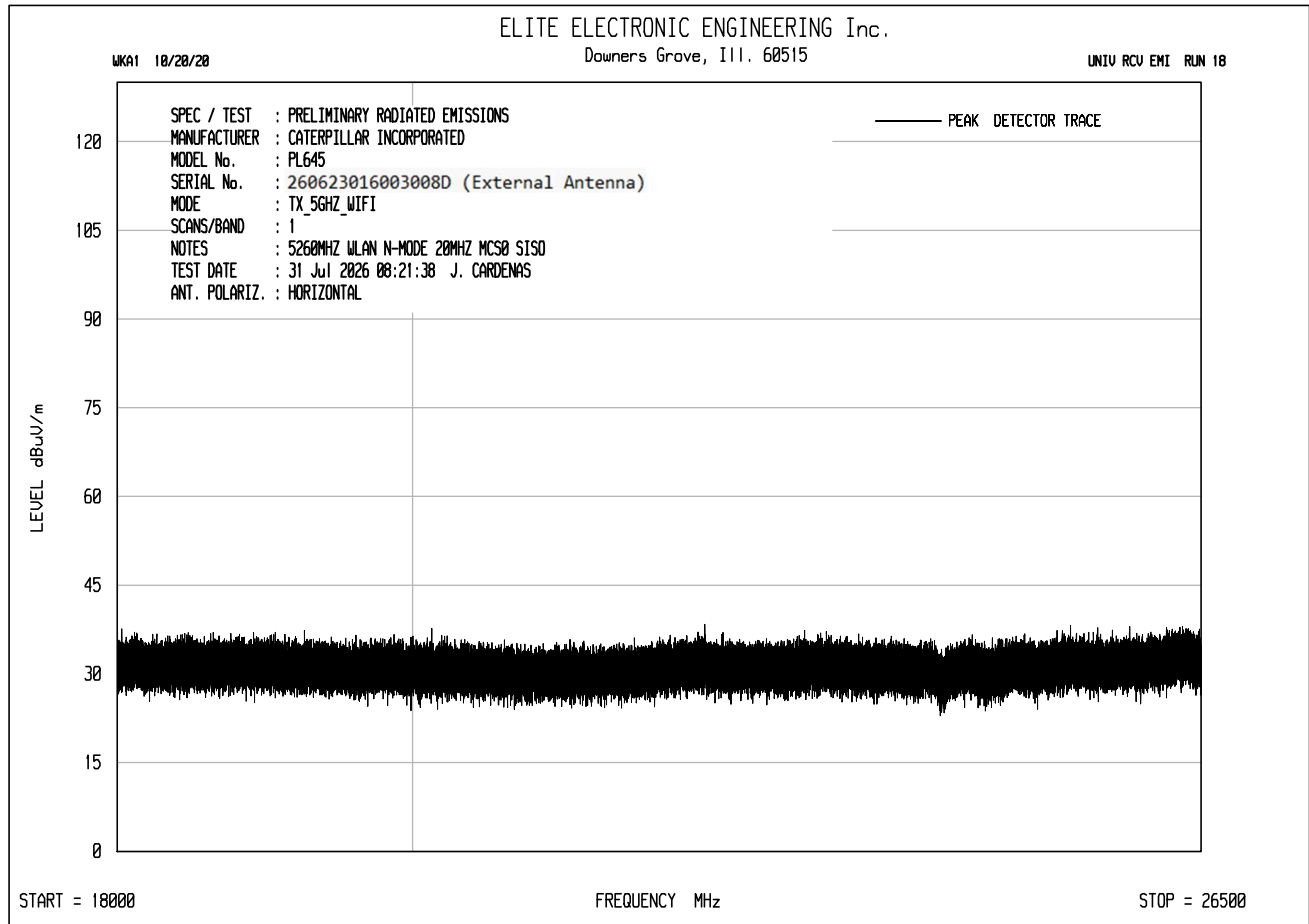


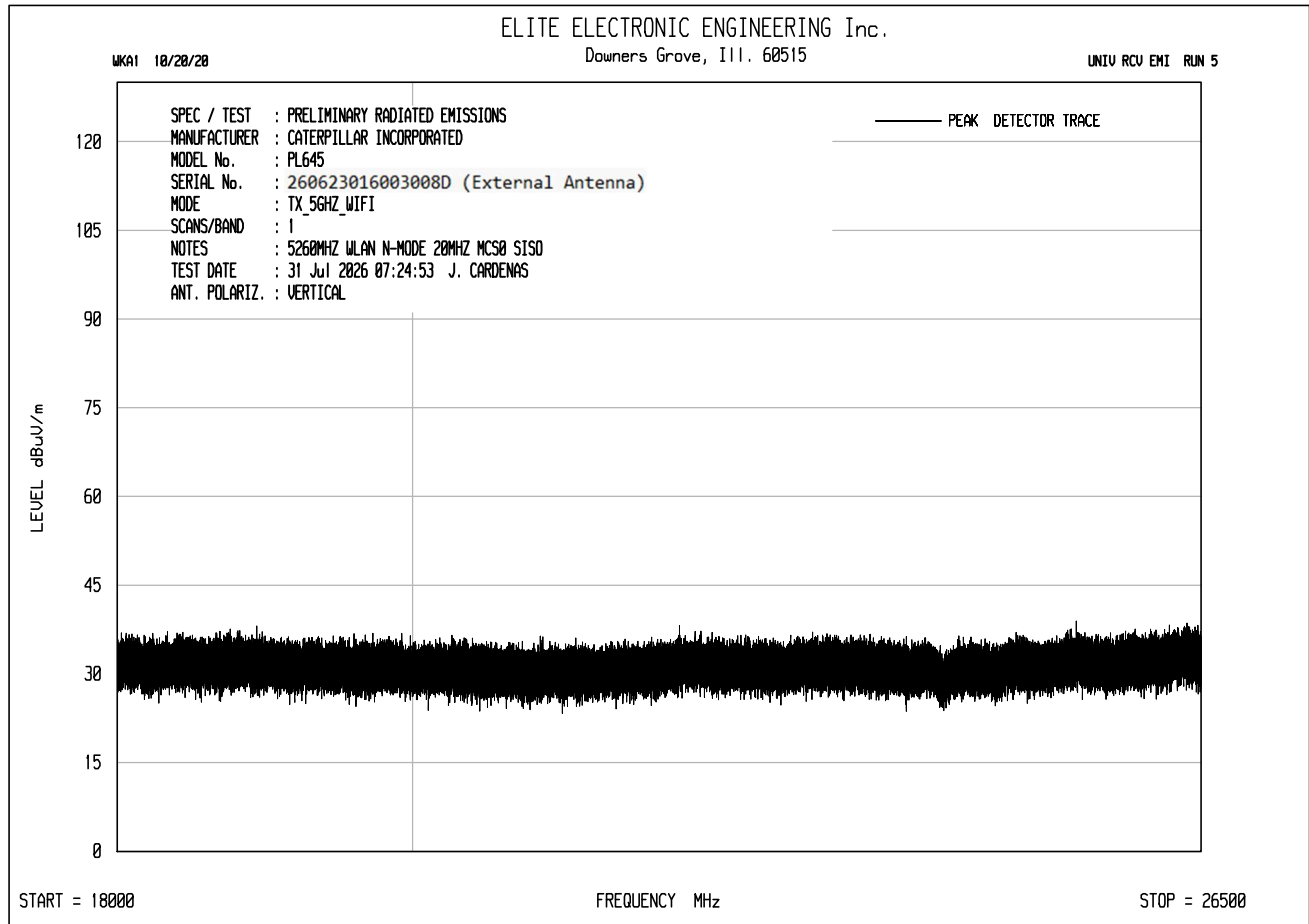


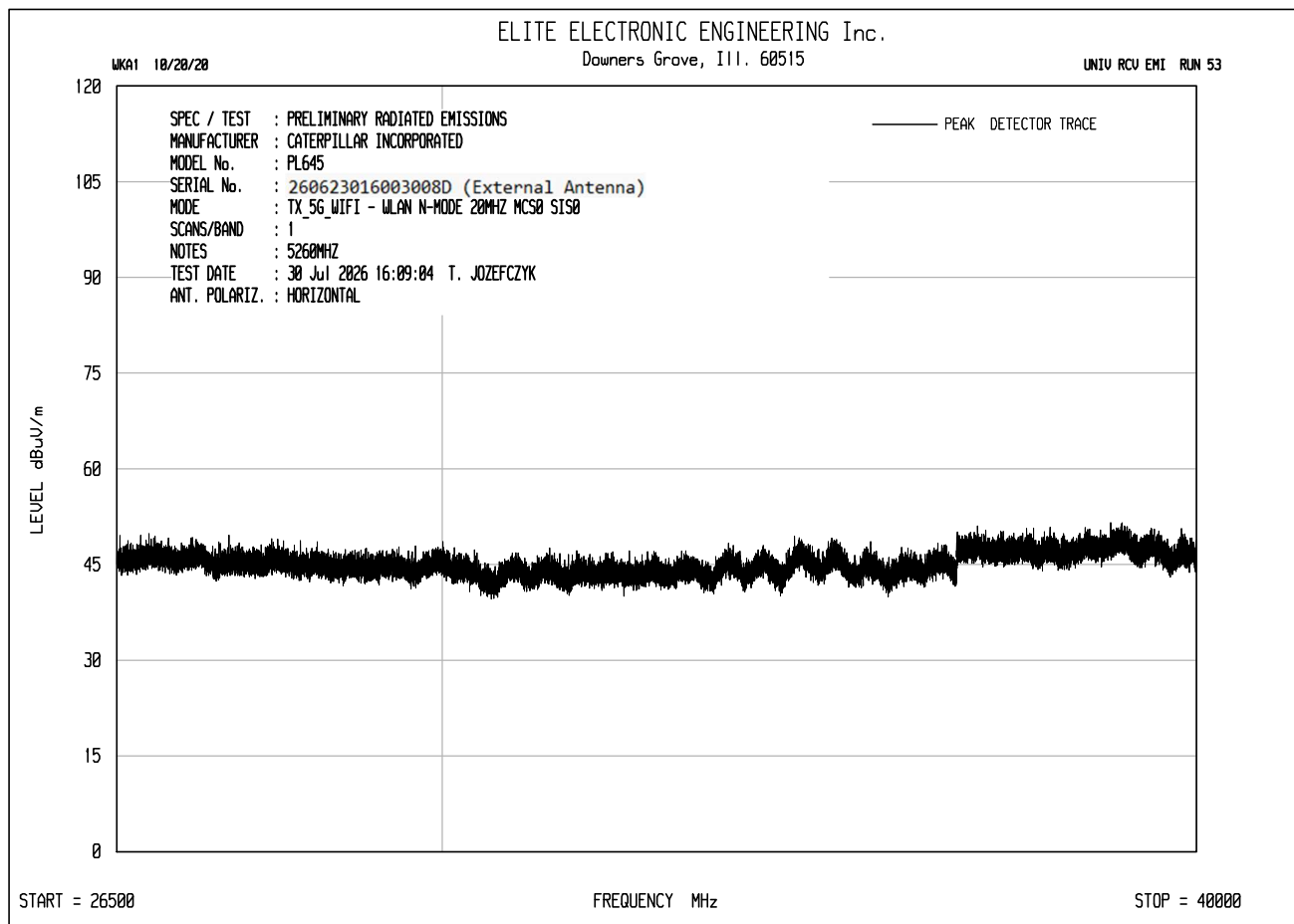


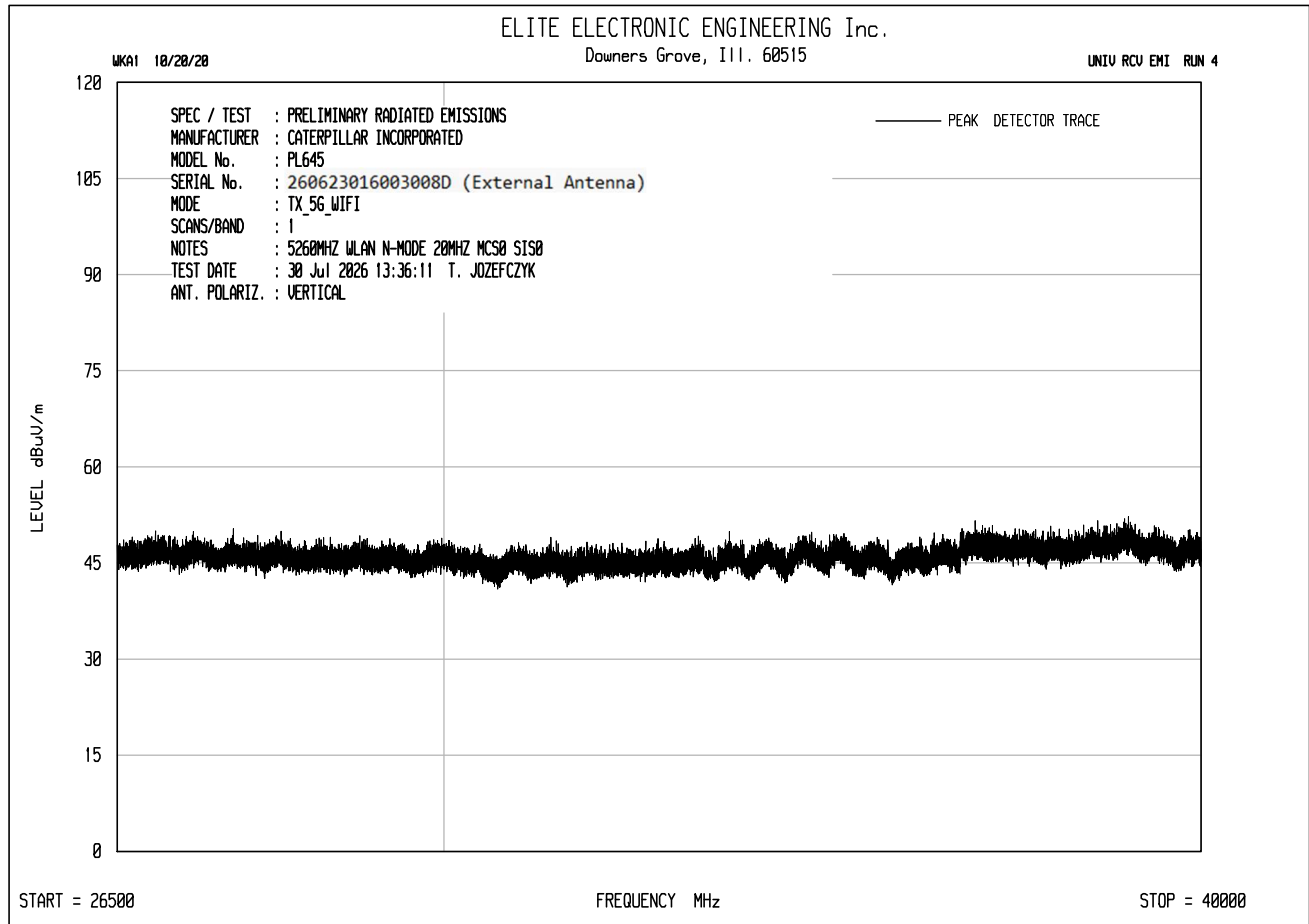










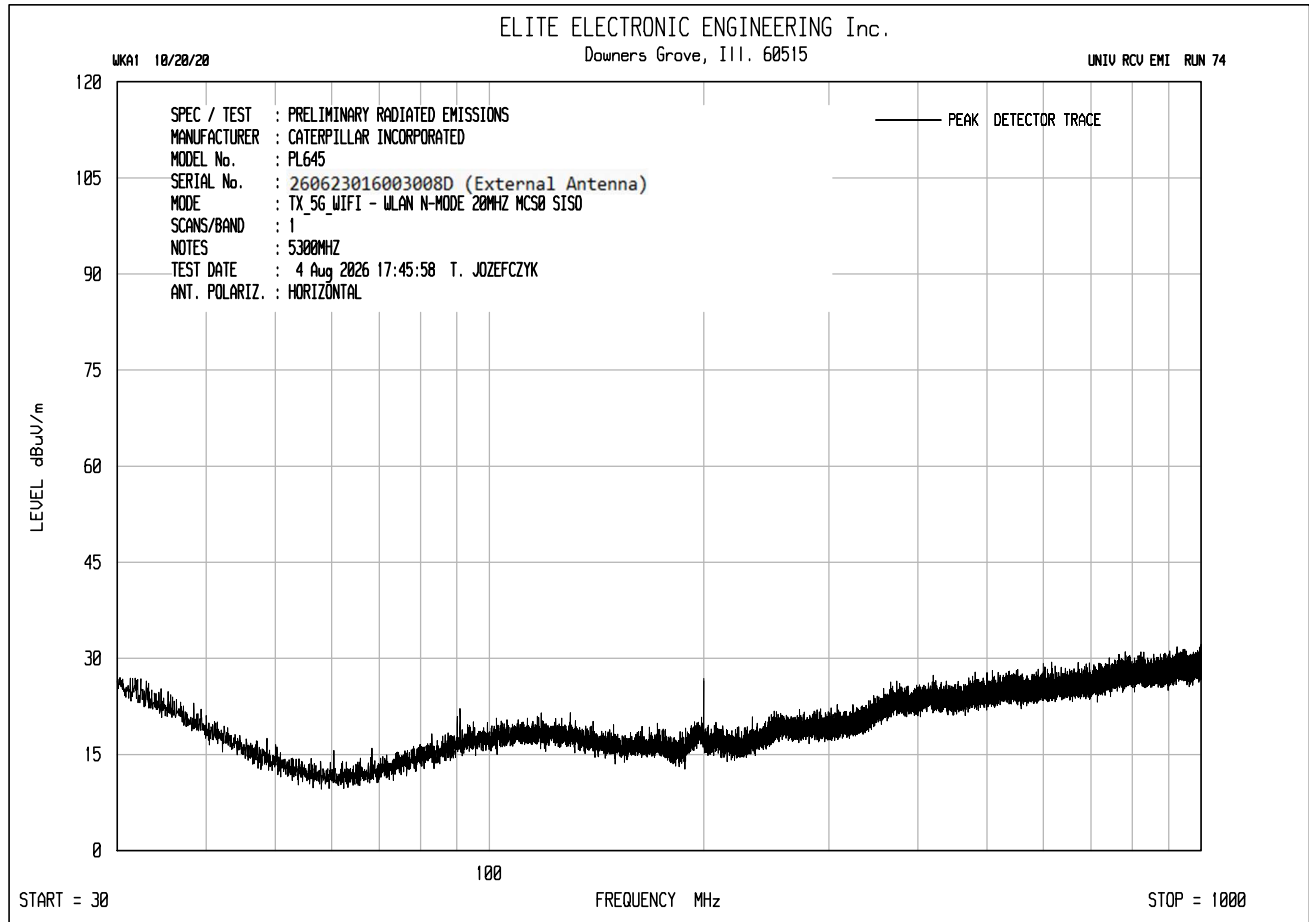


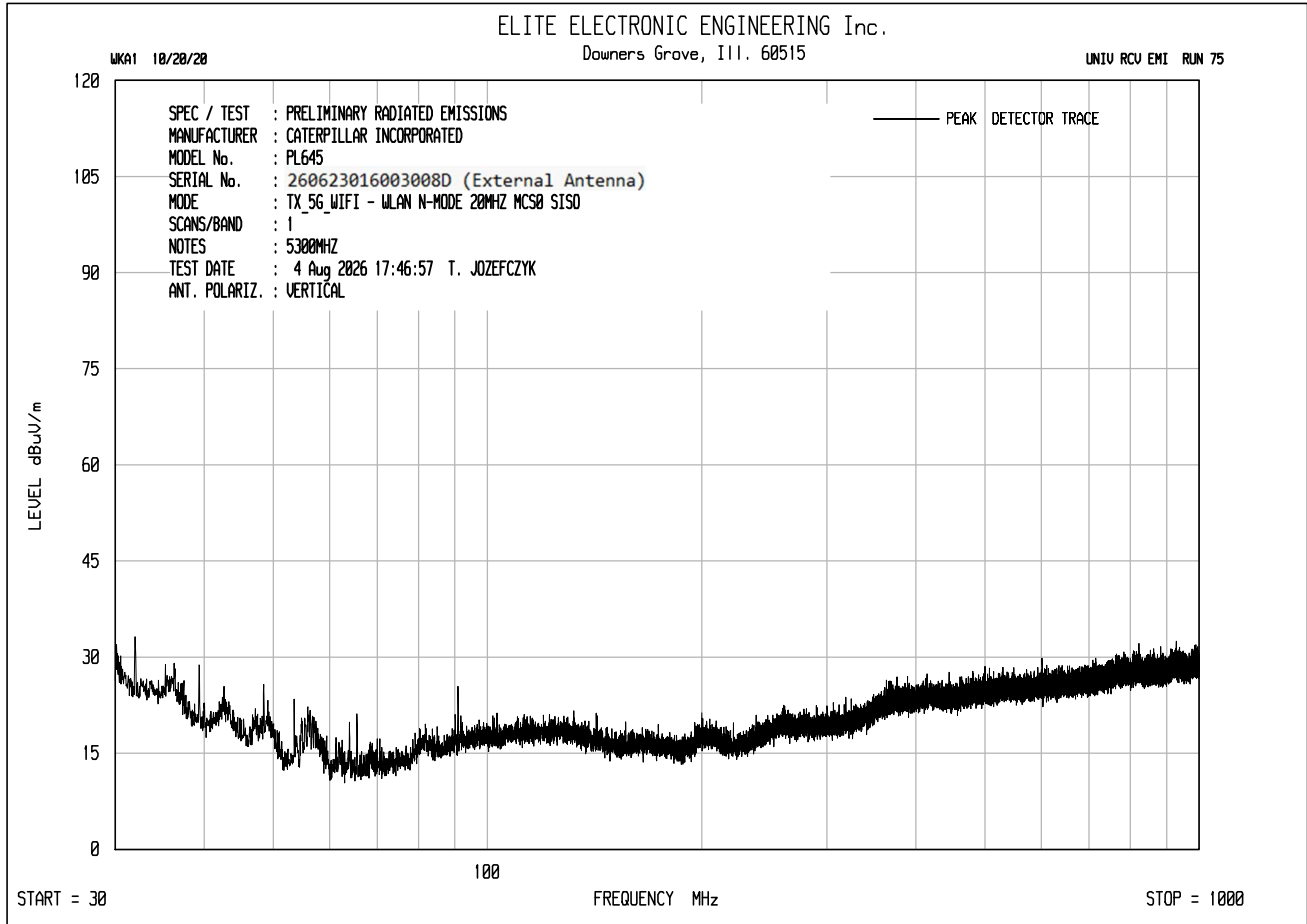
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dB)
15780.00	H	47.8	Ambient	6.8	40.7	-39.7	55.6	605.0	5000.0	-18.3
	V	48.6	Ambient	6.8	40.7	-39.7	56.5	666.5	5000.0	-17.5

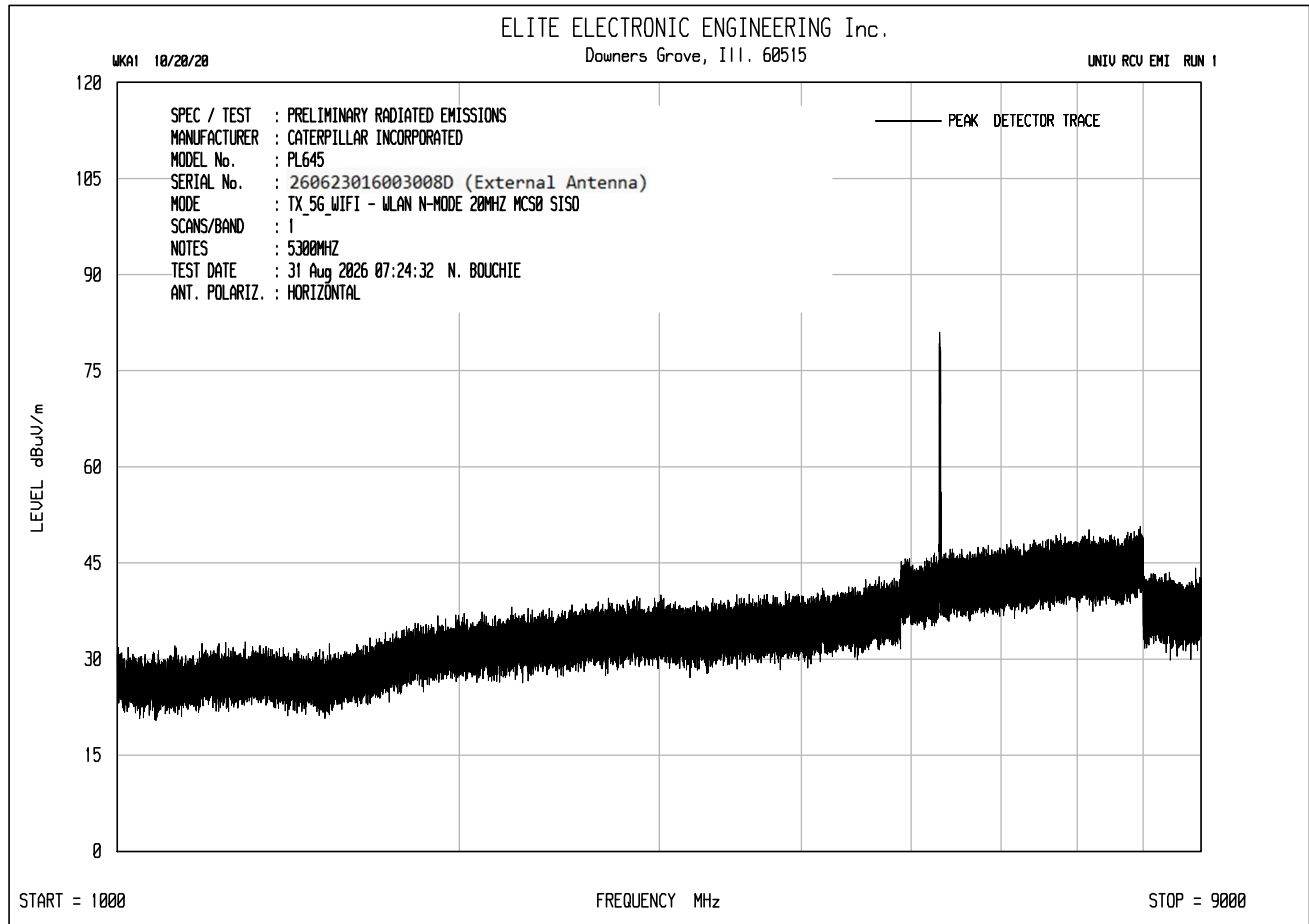
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
15780.00	H	33.20	Ambient	6.8	40.7	-39.7	0.0	41.1	112.9	500.0	-12.9
	V	33.17	Ambient	6.8	40.7	-39.7	0.0	41.0	112.5	500.0	-13.0

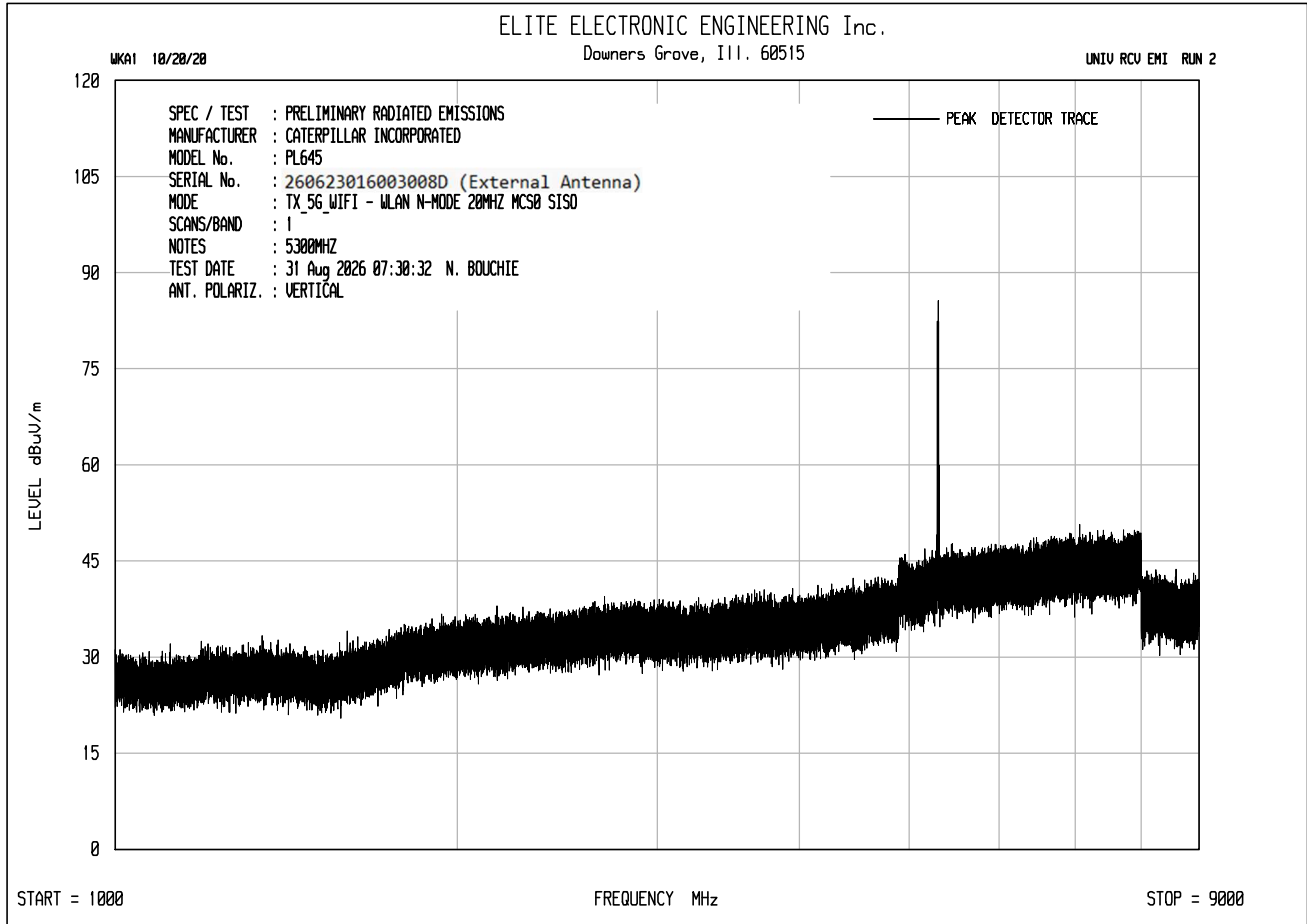
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak EIRP Total (dBm/MHz)	Peak EIRP Limit (dBm/MHz)	Margin (dB)
10520.00	H	39.52	Ambient	5.5	37.8	-40.4	42.5	-52.7	-27.0	-25.7
	V	39.44	Ambient	5.5	37.8	-40.4	42.4	-52.8	-27.0	-25.8

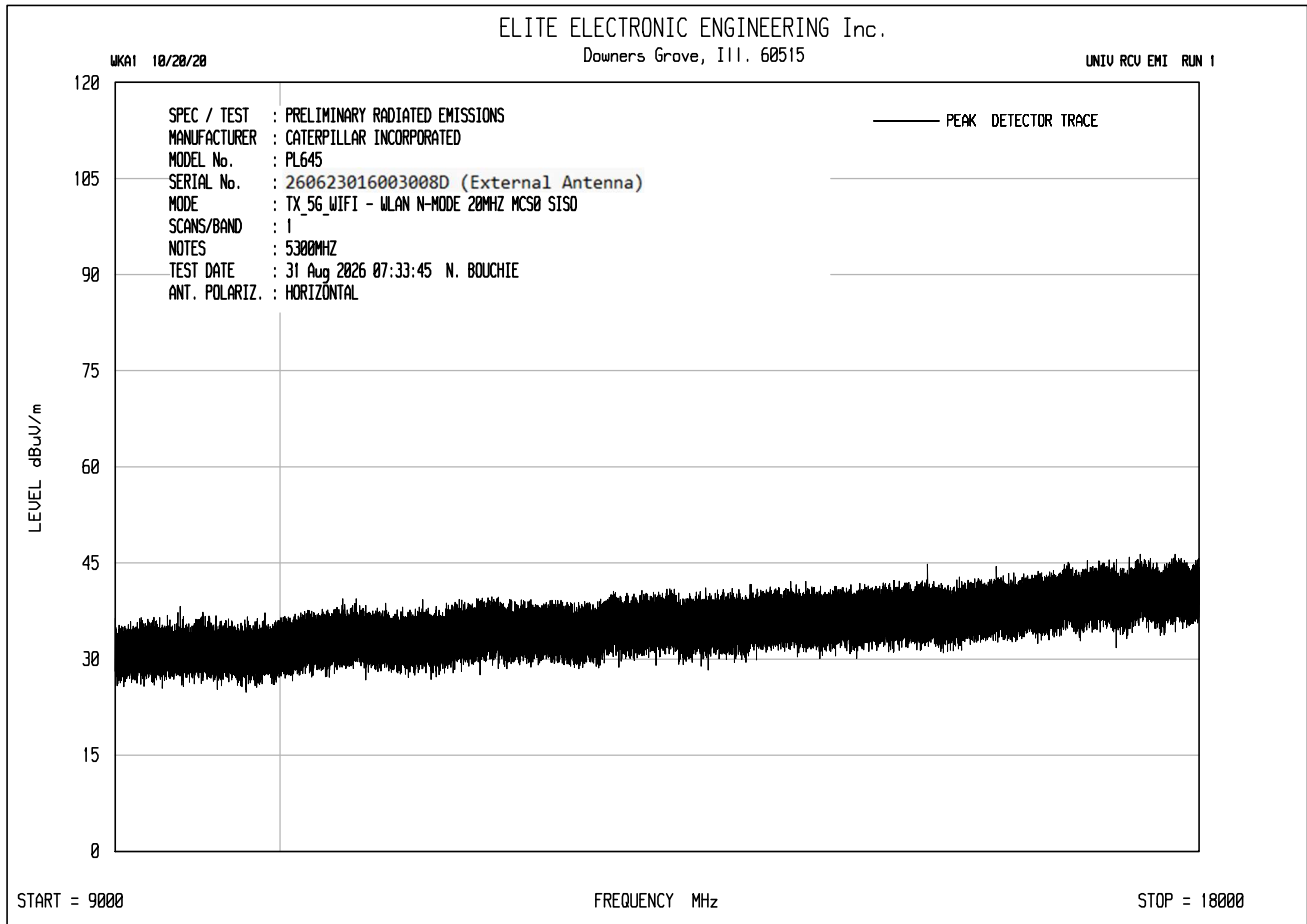
Test Details	
Manufacturer	Caterpillar Inc
Equipment Under Test	5G Telematics Radio
Model No.	PL645
Part No.	7620.002.905-13
Serial No.	260623016003008D (External Antenna)
Mode	WLAN n-Mode, 40MHz, MCS0, SISO – U-NII-2A
Frequency Tested	5300MHz
Notes	None

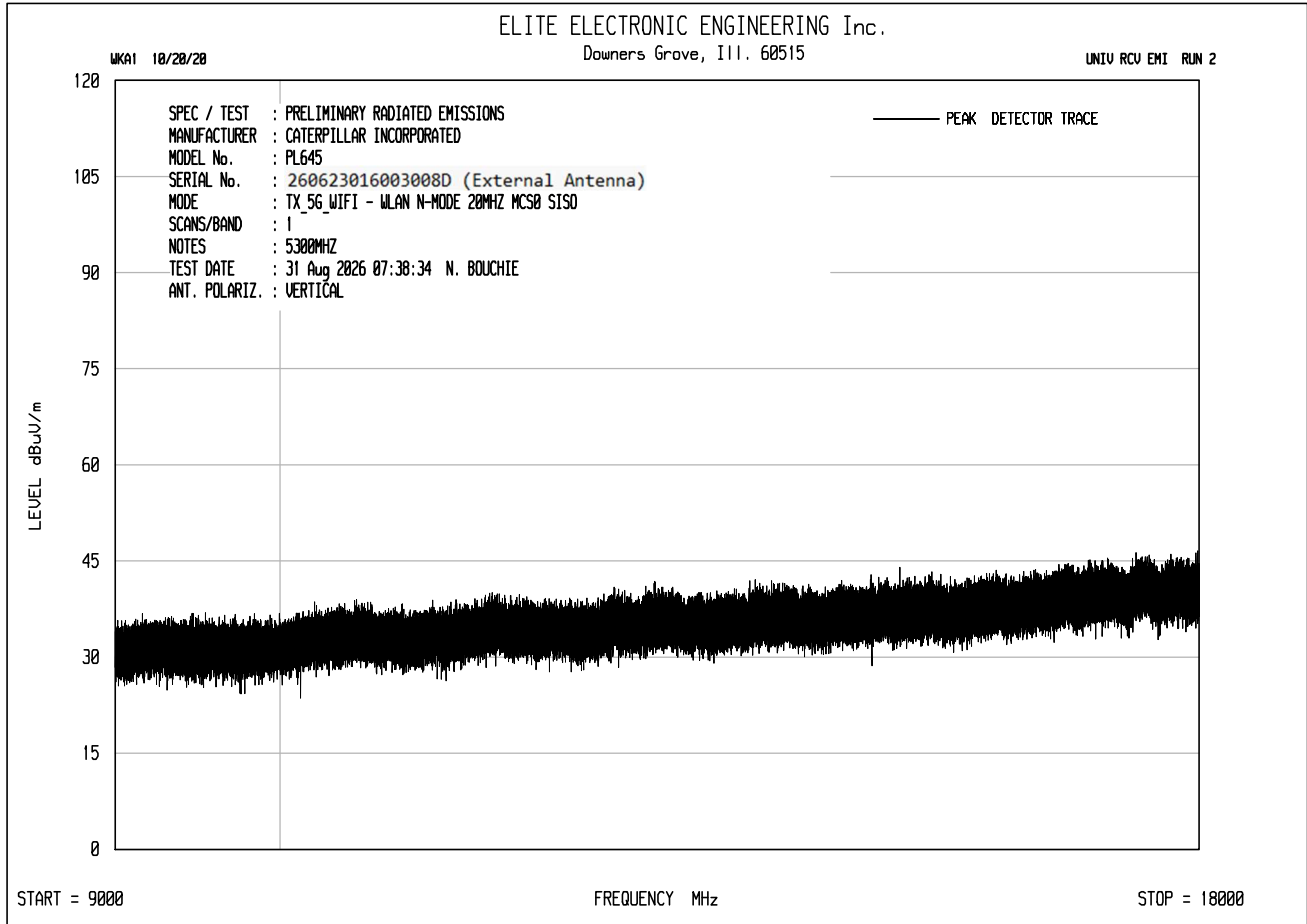


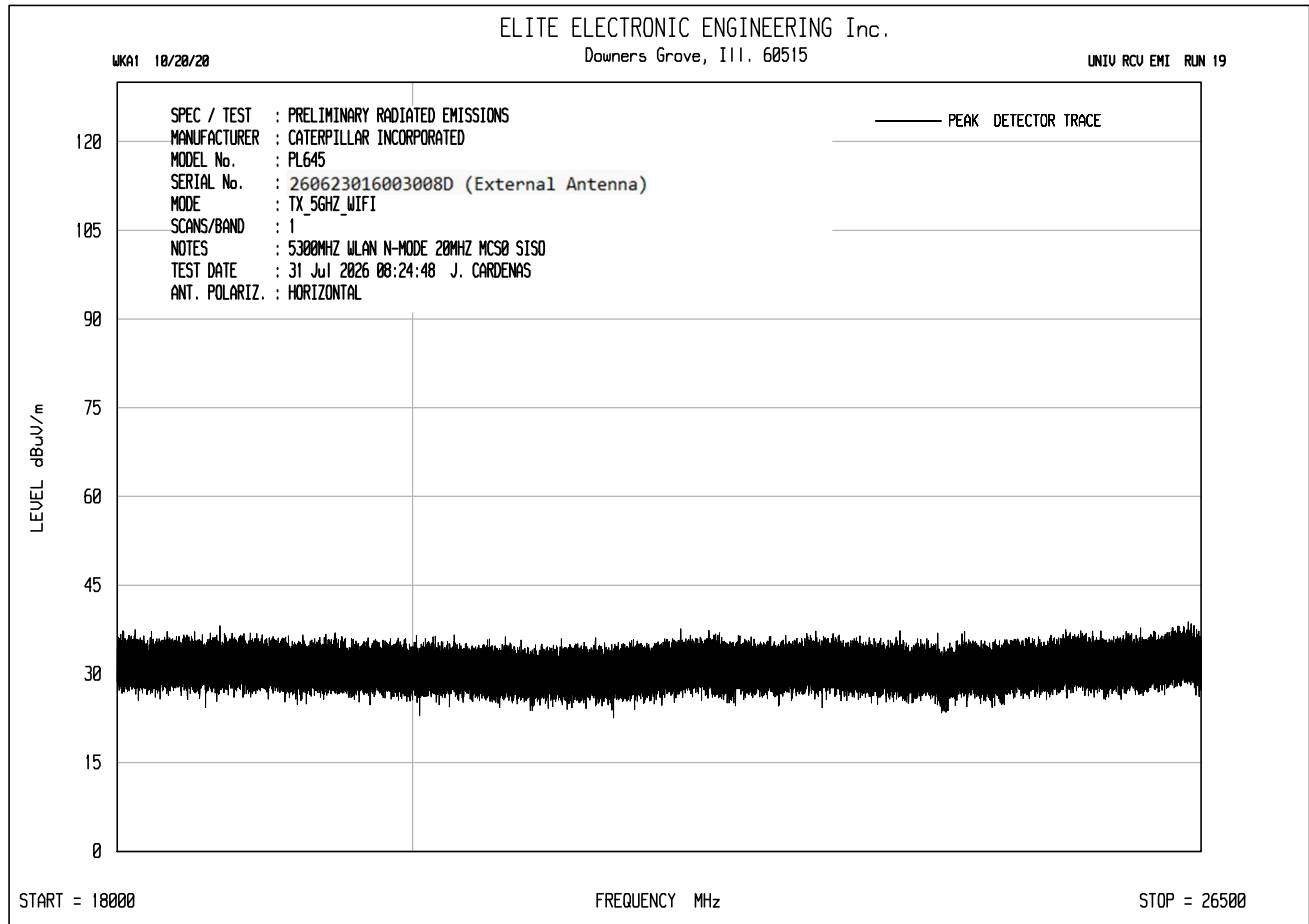


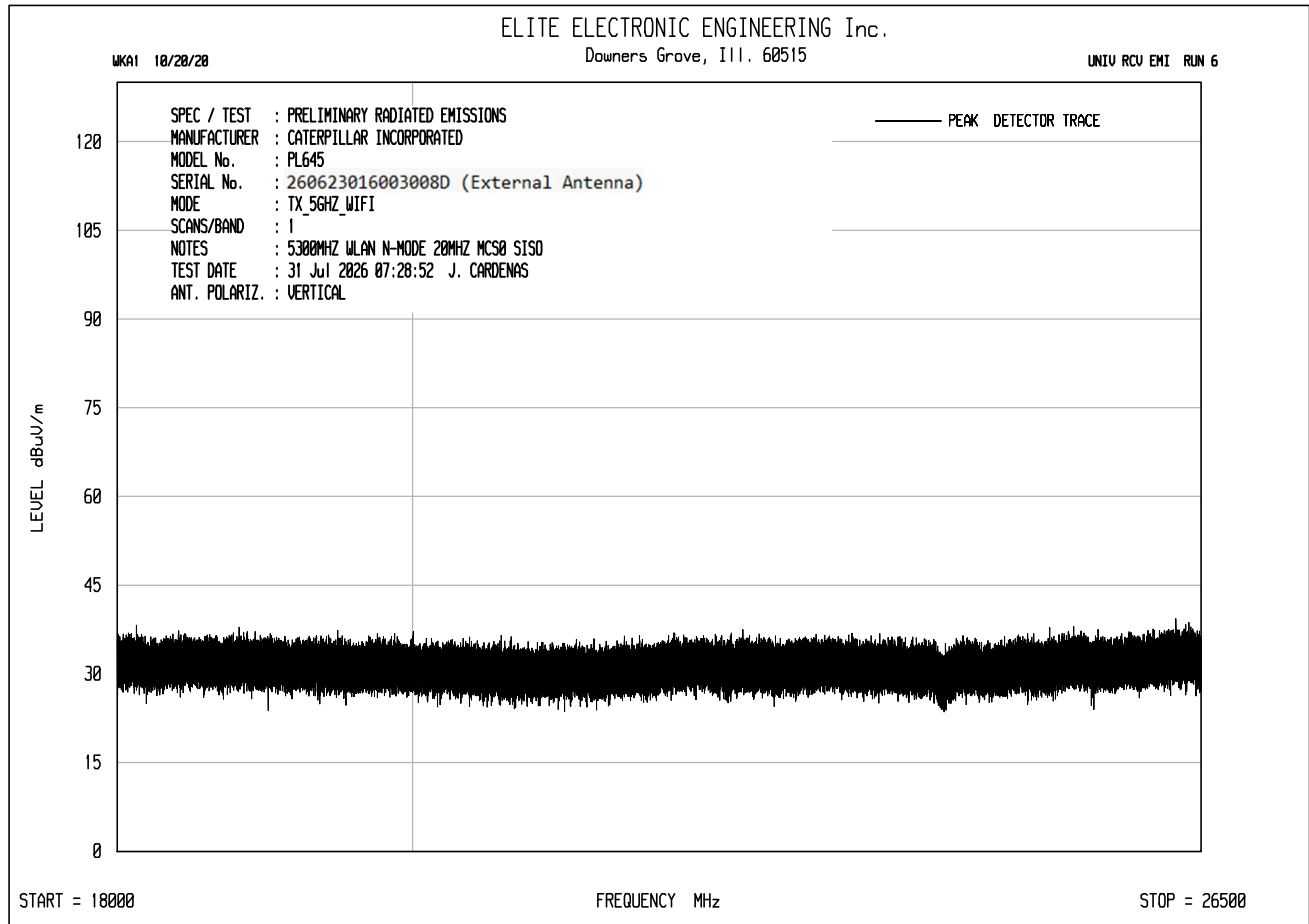


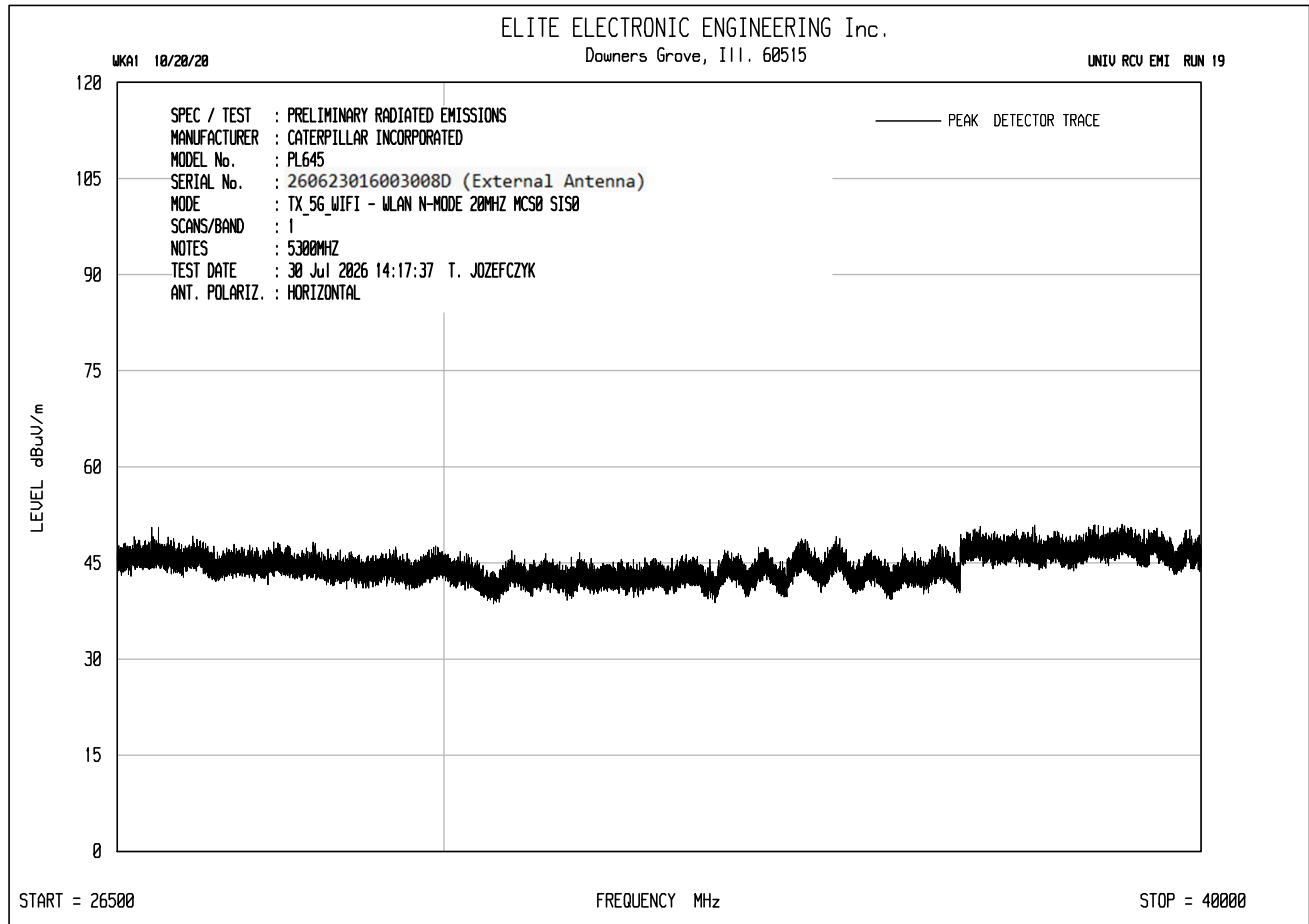


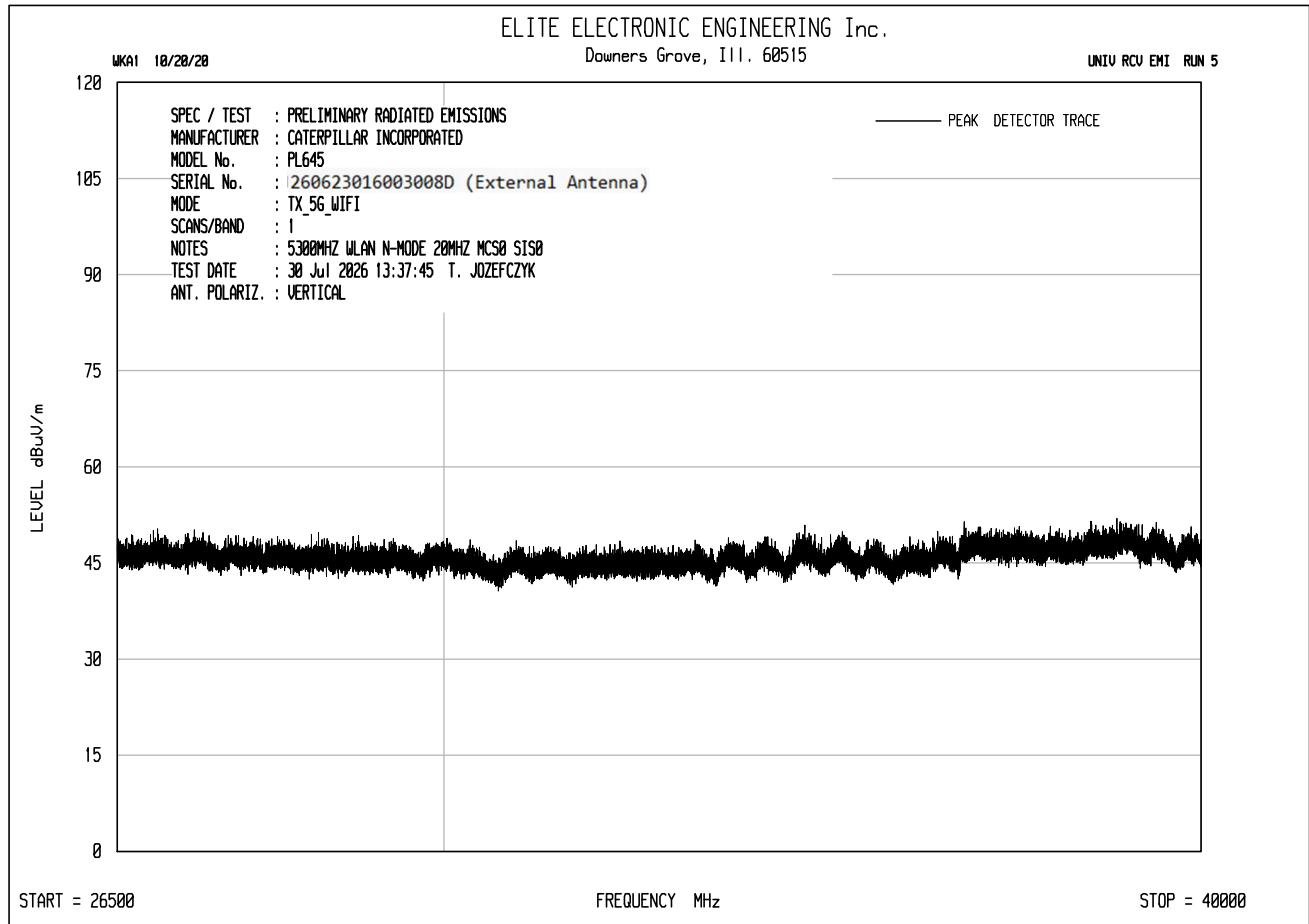








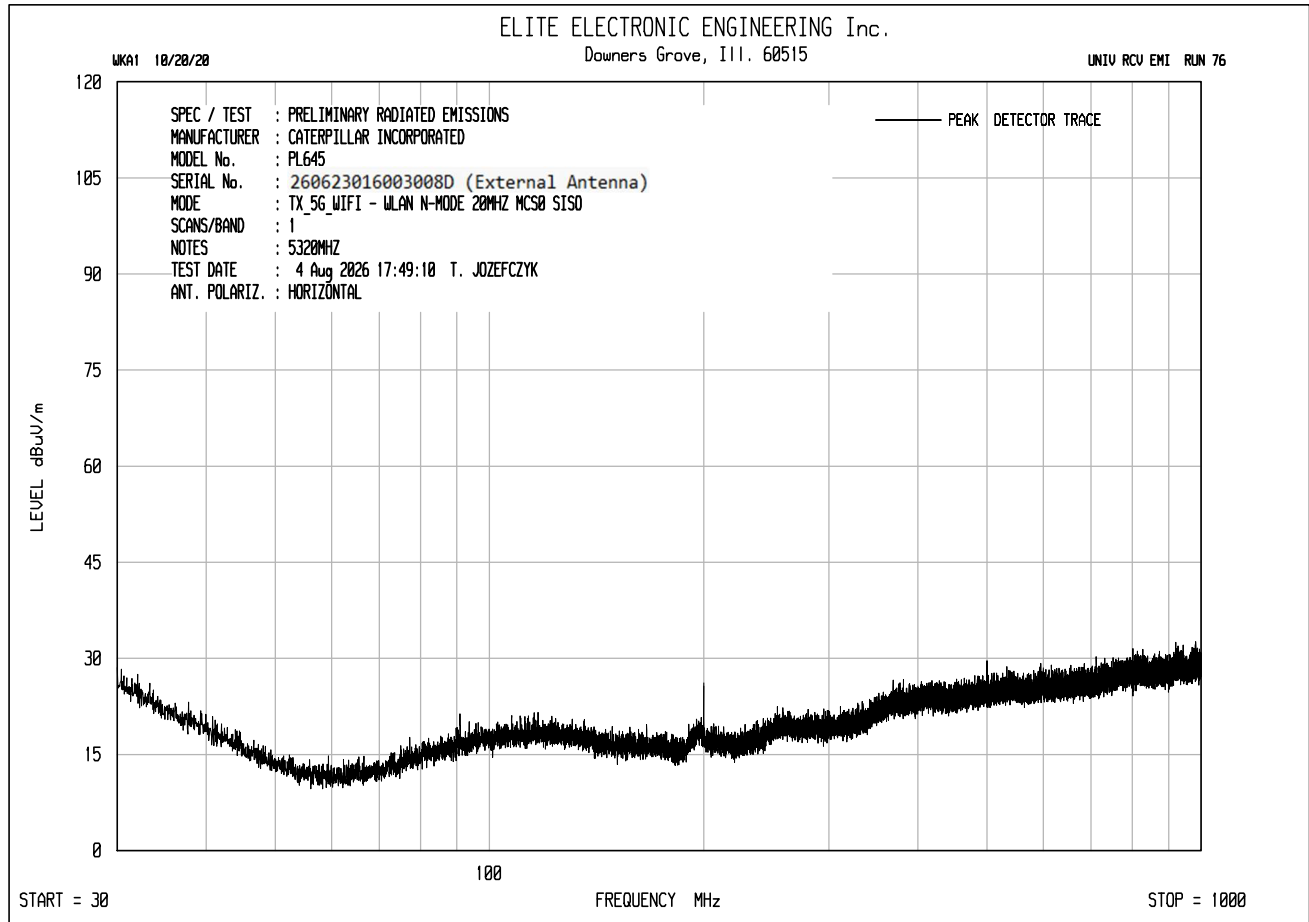


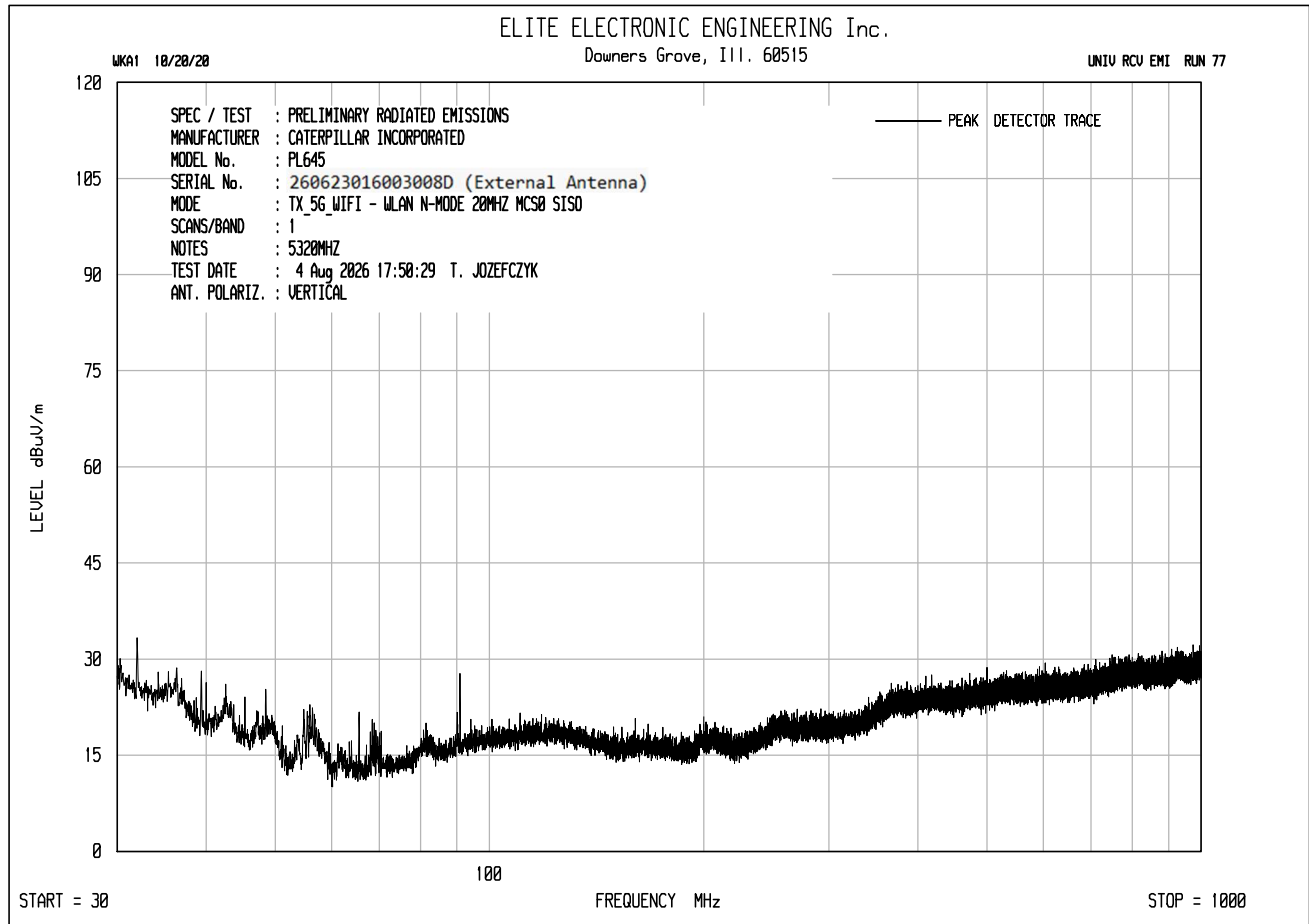


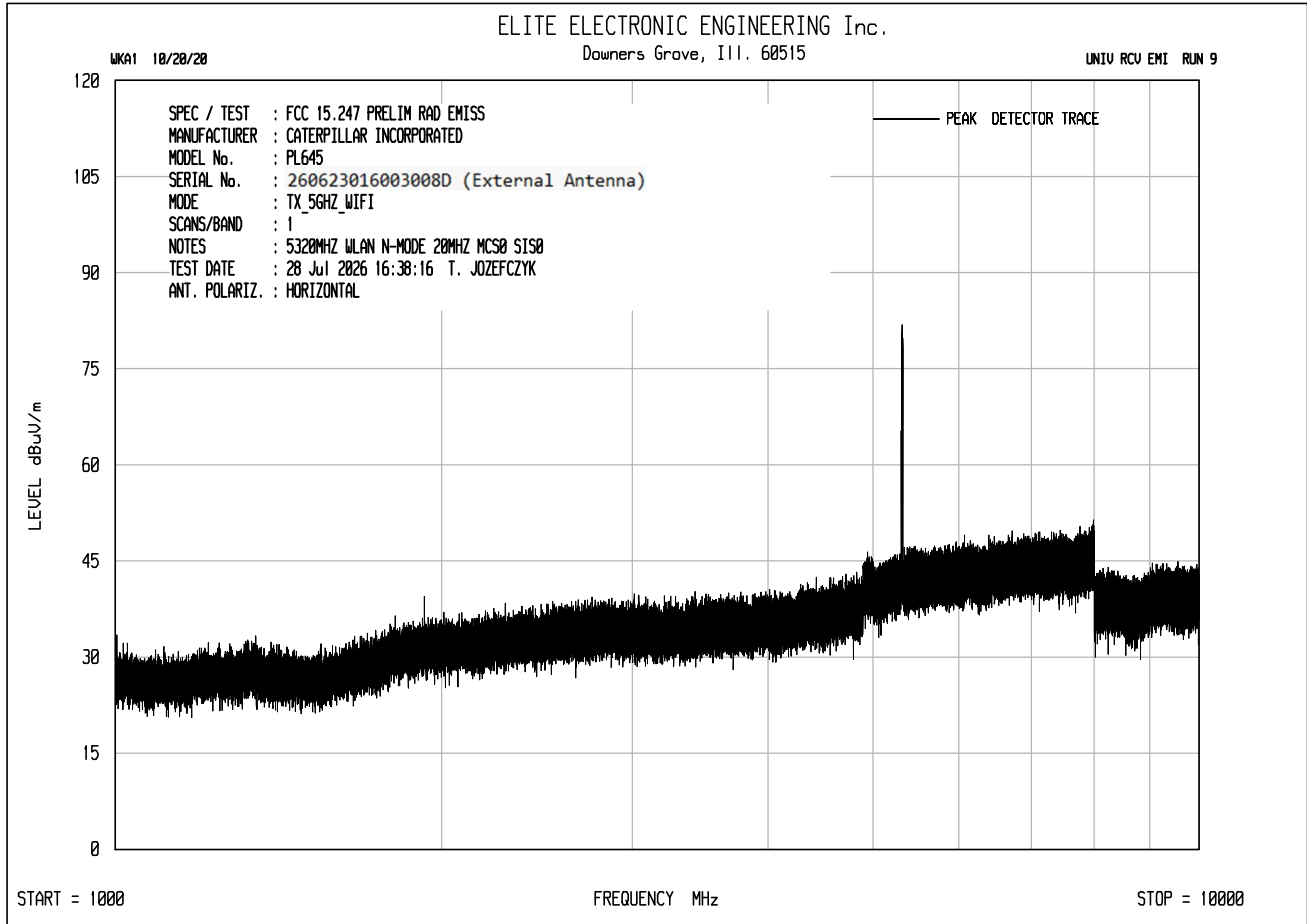
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dB)
10600.00	H	50.05	Ambient	5.56	37.86	-40.37	53.10	451.97	5000.00	-20.88
	V	49.75	Ambient	5.56	37.86	-40.37	52.80	436.63	5000.00	-21.18
15900.00	H	48.41	Ambient	6.84	40.96	-39.67	56.54	671.58	5000.00	-17.44
	V	48.08	Ambient	6.84	40.96	-39.67	56.21	646.54	5000.00	-17.77

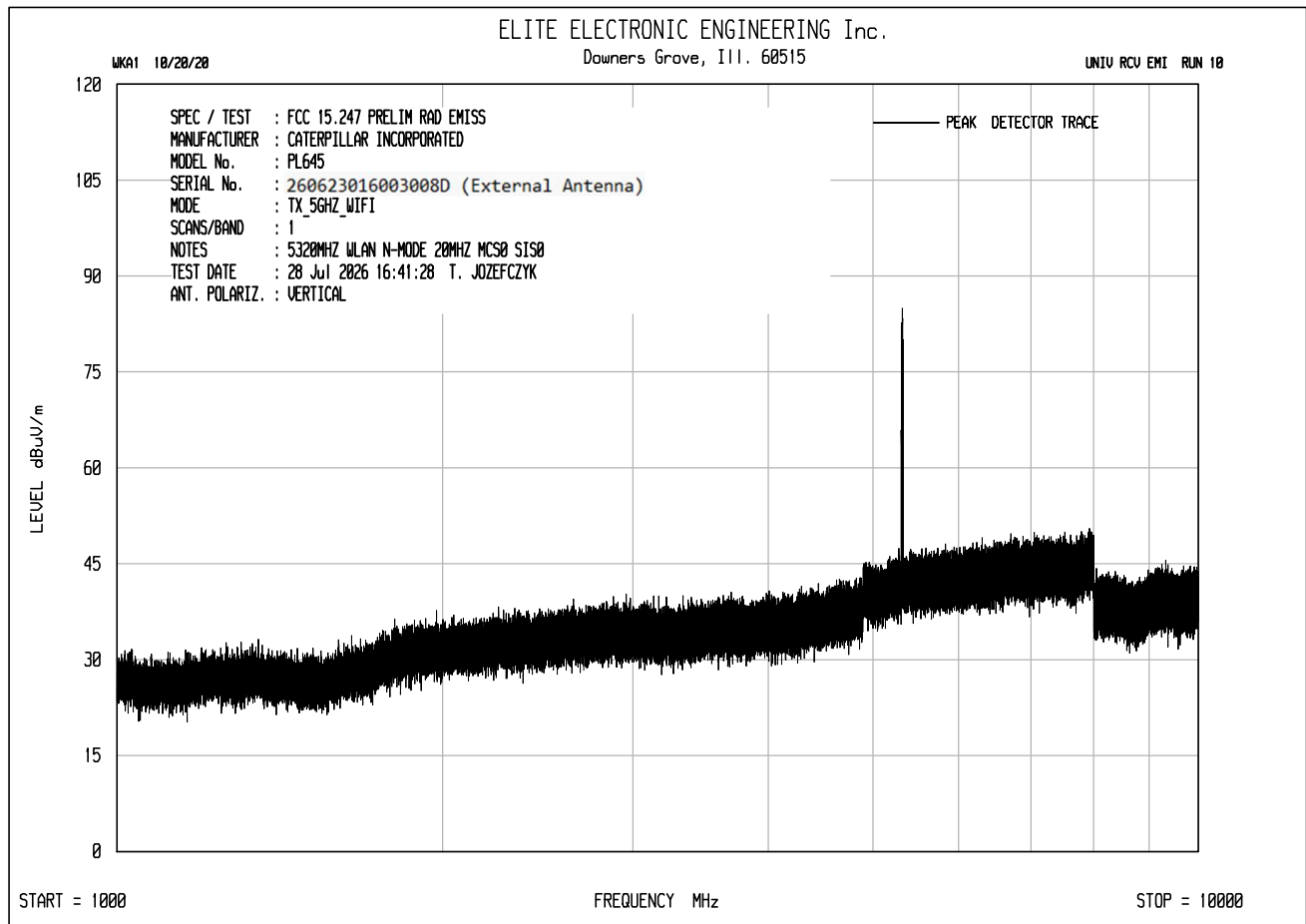
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
10600.00	H	34.50	Ambient	5.56	37.86	-40.37		37.55	75.44	500.00	-16.43
	V	34.51	Ambient	5.56	37.86	-40.37		37.56	75.53	500.00	-16.42
15900.00	H	33.09	Ambient	6.84	40.96	-39.67		41.22	115.11	500.00	-12.76
	V	33.10	Ambient	6.84	40.96	-39.67		41.23	115.24	500.00	-12.75

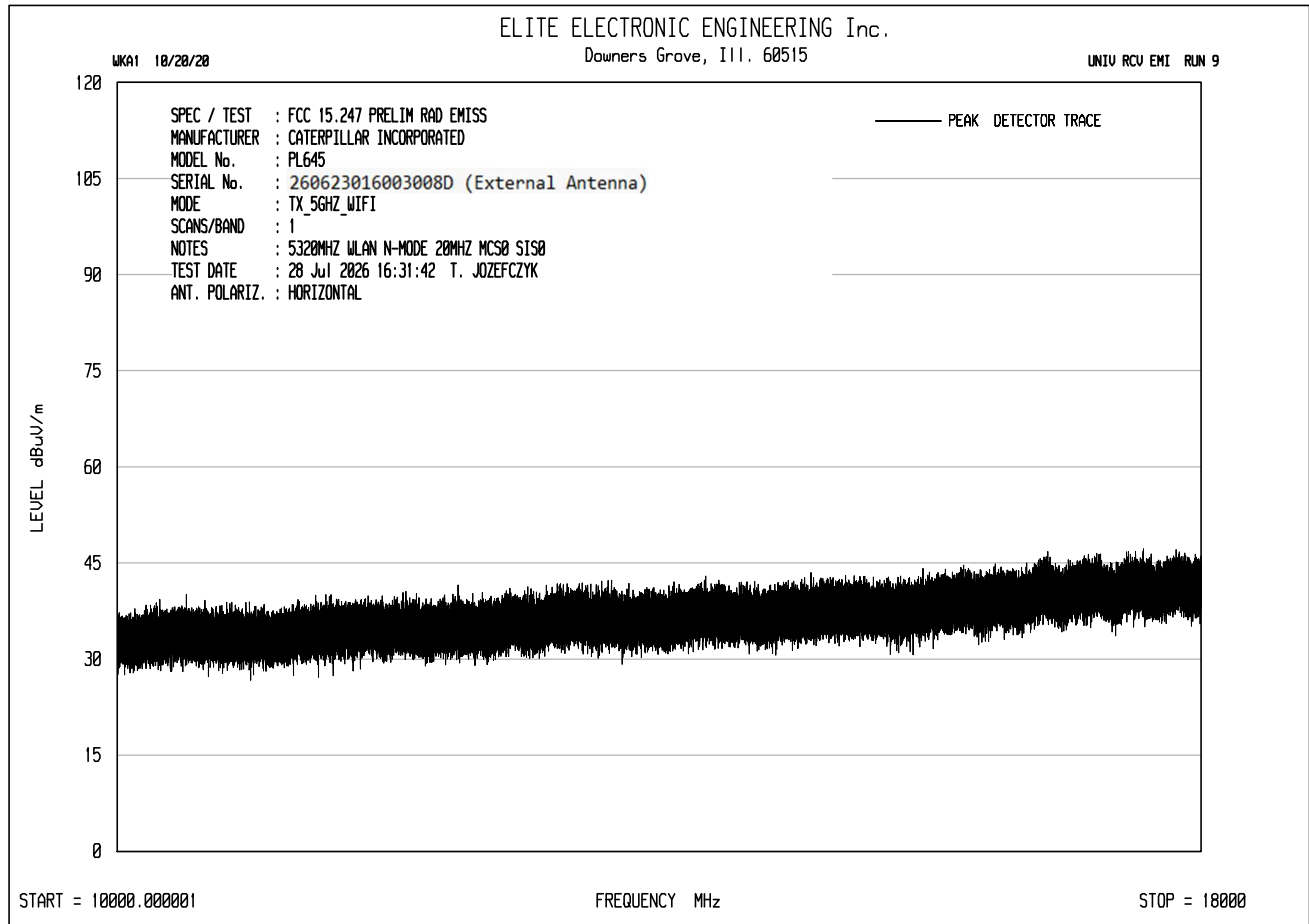
Test Details	
Manufacturer	Caterpillar Inc
Equipment Under Test	5G Telematics Radio
Model No.	PL645
Part No.	7620.002.905-13
Serial No.	260623016003008D (External Antenna)
Mode	WLAN n-Mode, 40MHz, MCS0, SISO – U-NII-2A
Frequency Tested	5320MHz
Notes	

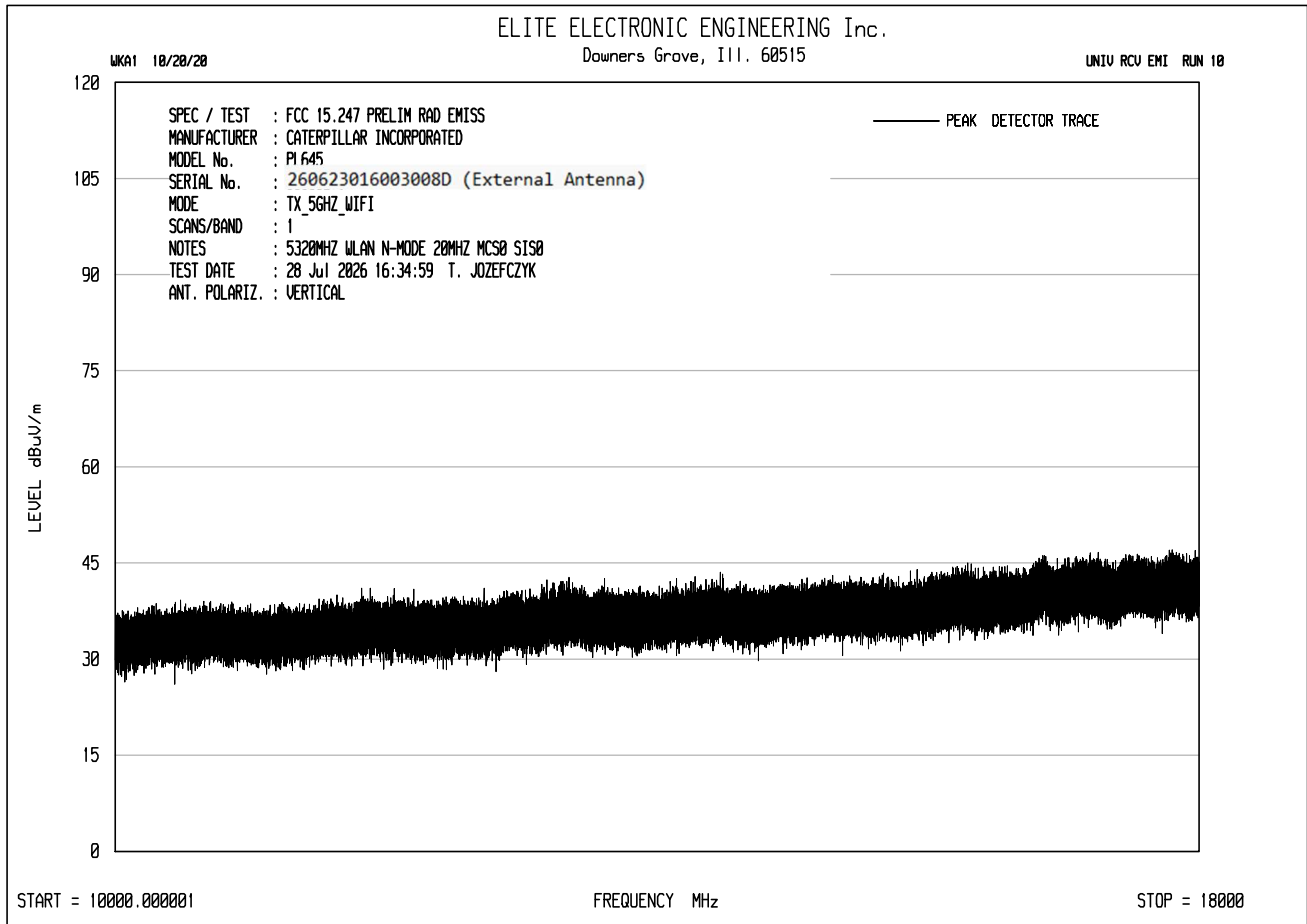


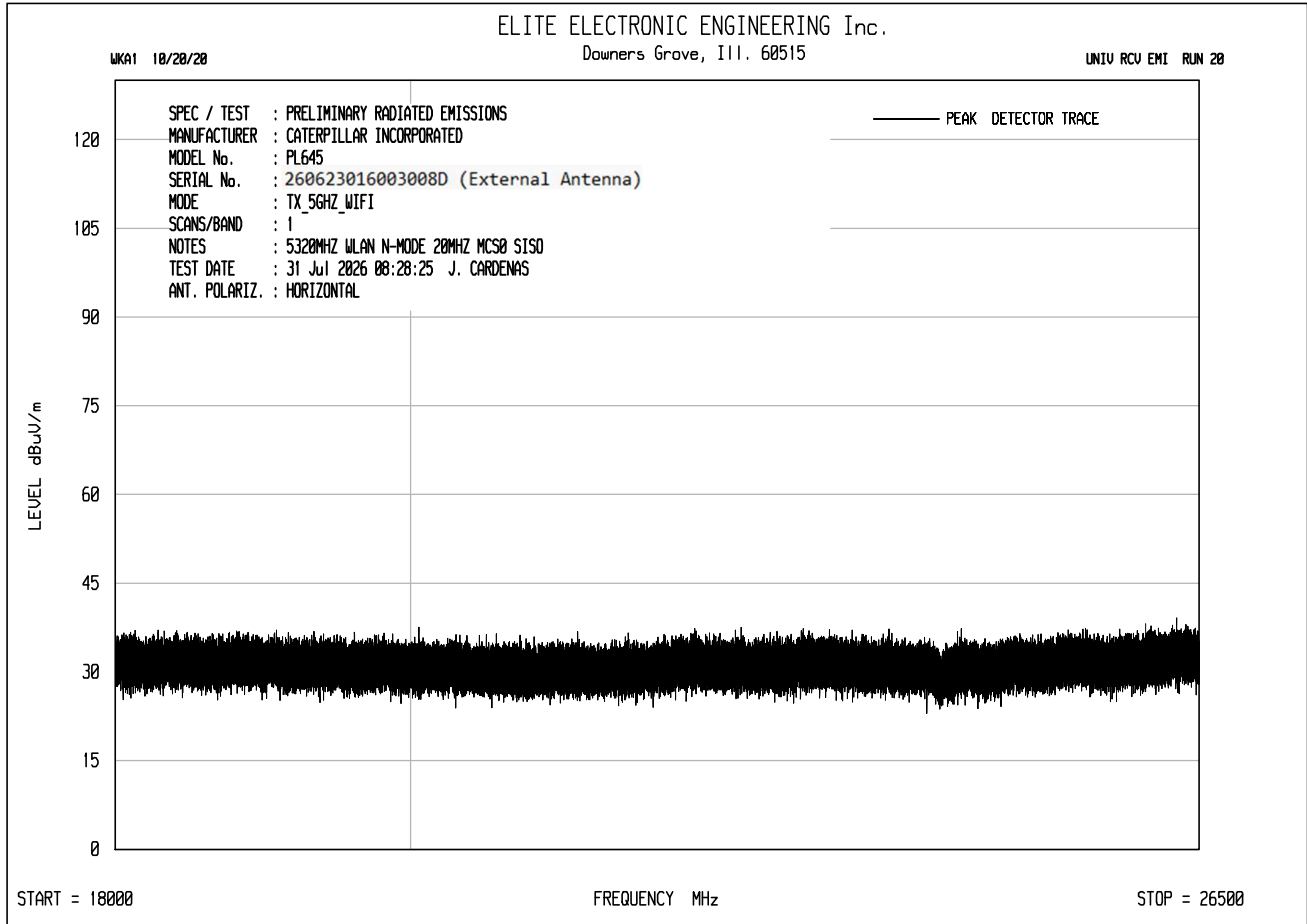


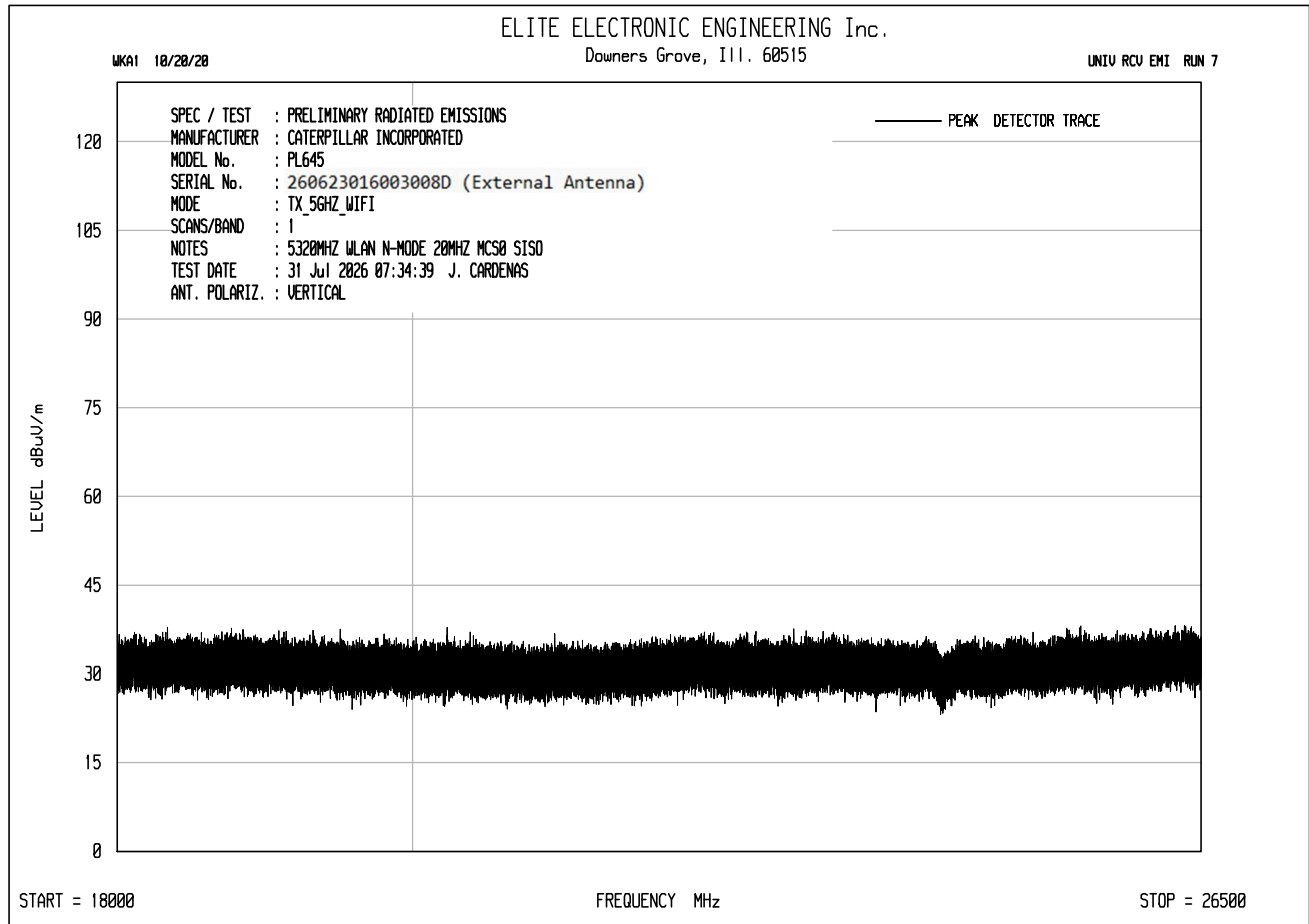


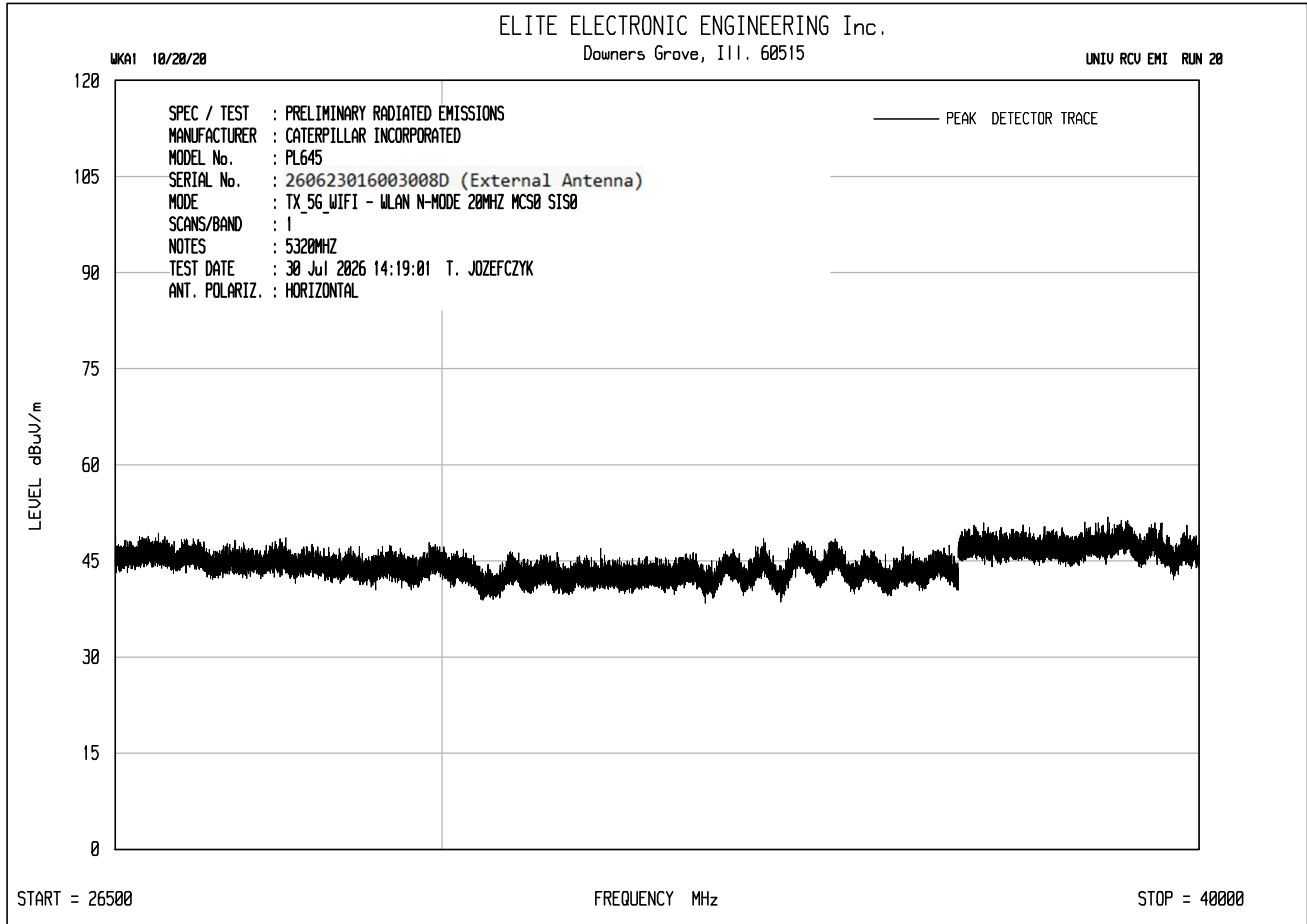


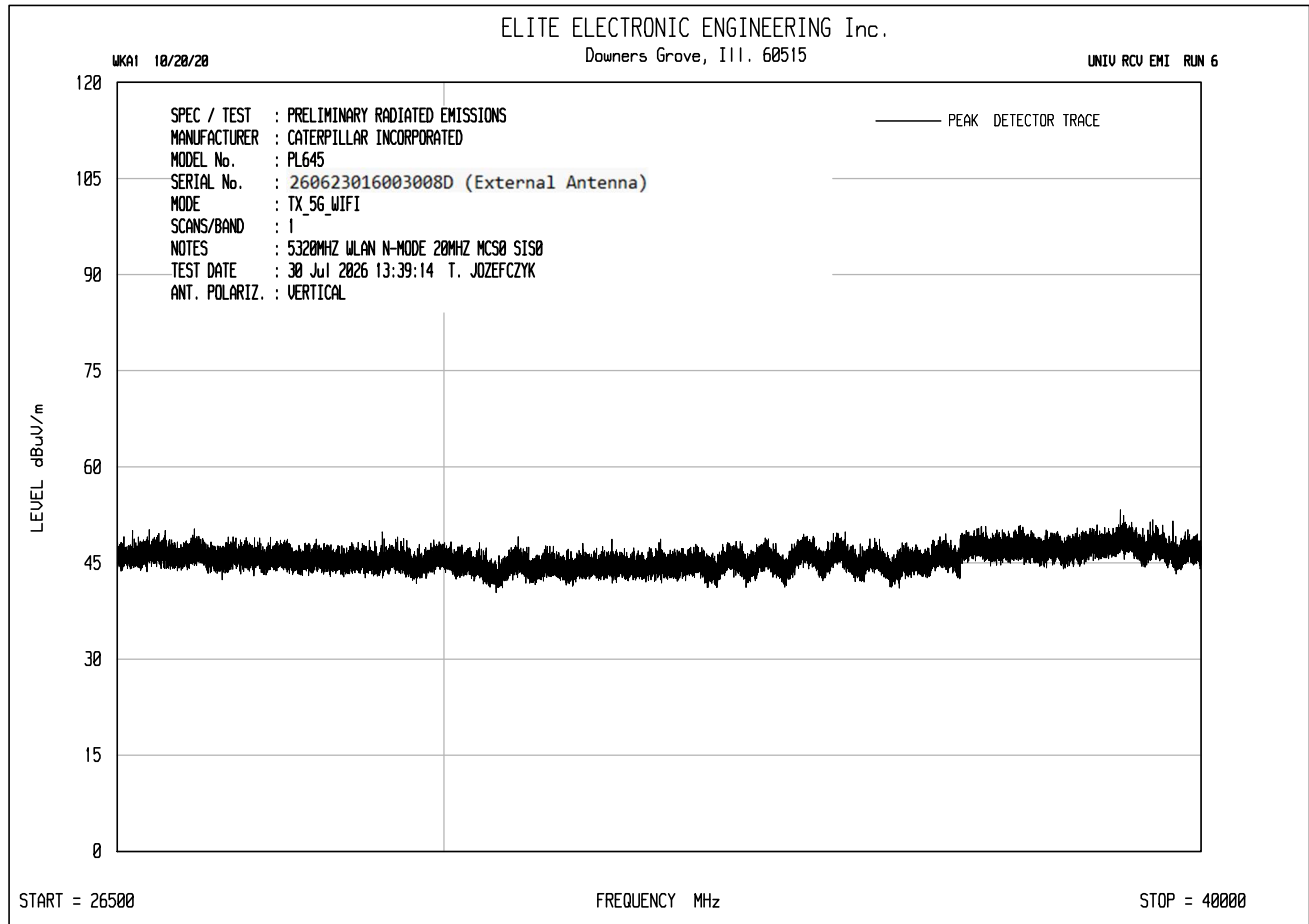








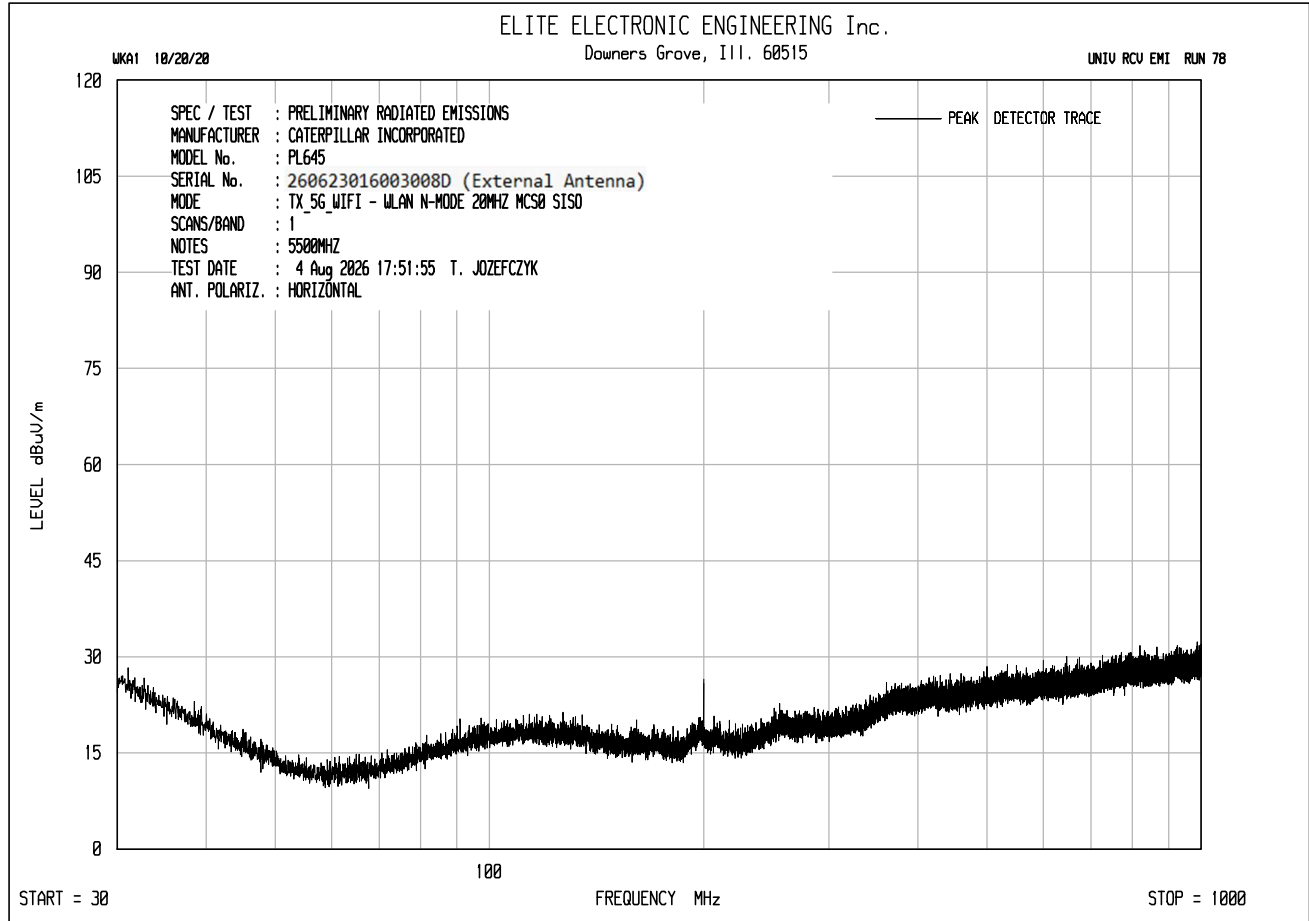


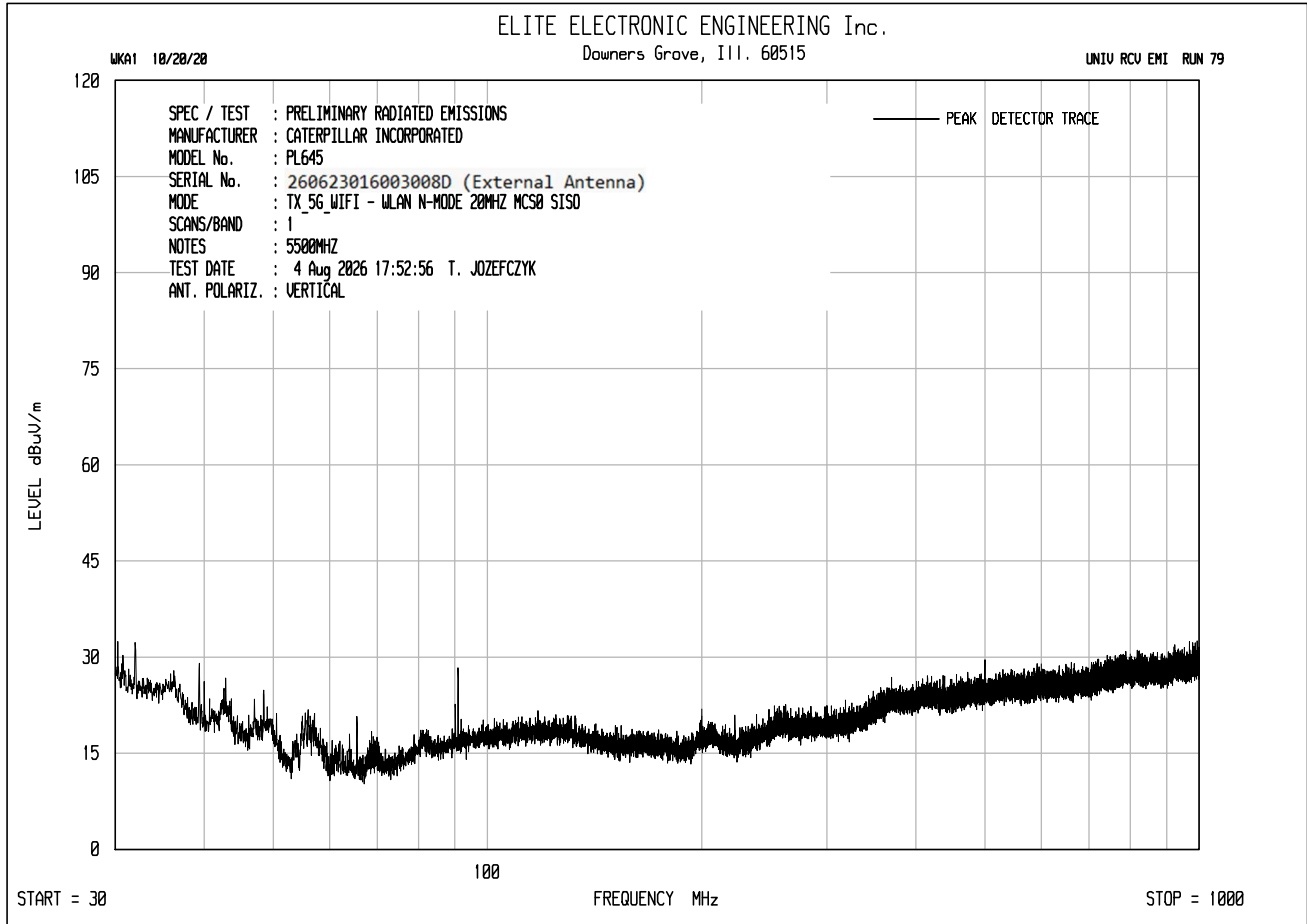


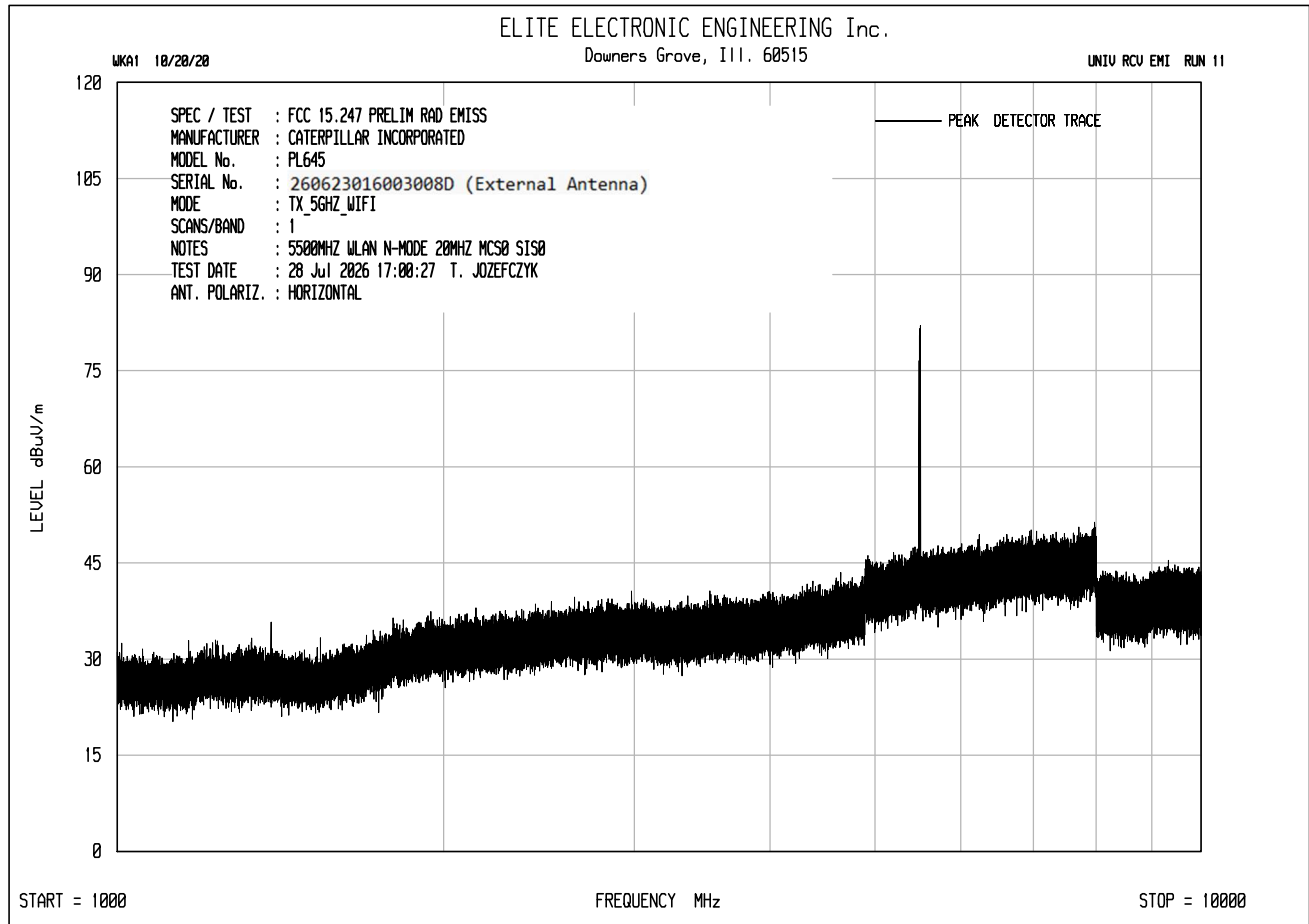
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dB)
10640.00	H	49.38	Ambient	5.58	37.90	-40.36	52.50	421.63	5000.00	-21.48
	V	49.67	Ambient	5.58	37.90	-40.36	52.79	435.95	5000.00	-21.19
15960.00	H	47.84	Ambient	6.84	41.13	-39.67	56.14	641.34	5000.00	-17.84
	V	48.28	Ambient	6.84	41.13	-39.67	56.58	674.66	5000.00	-17.40

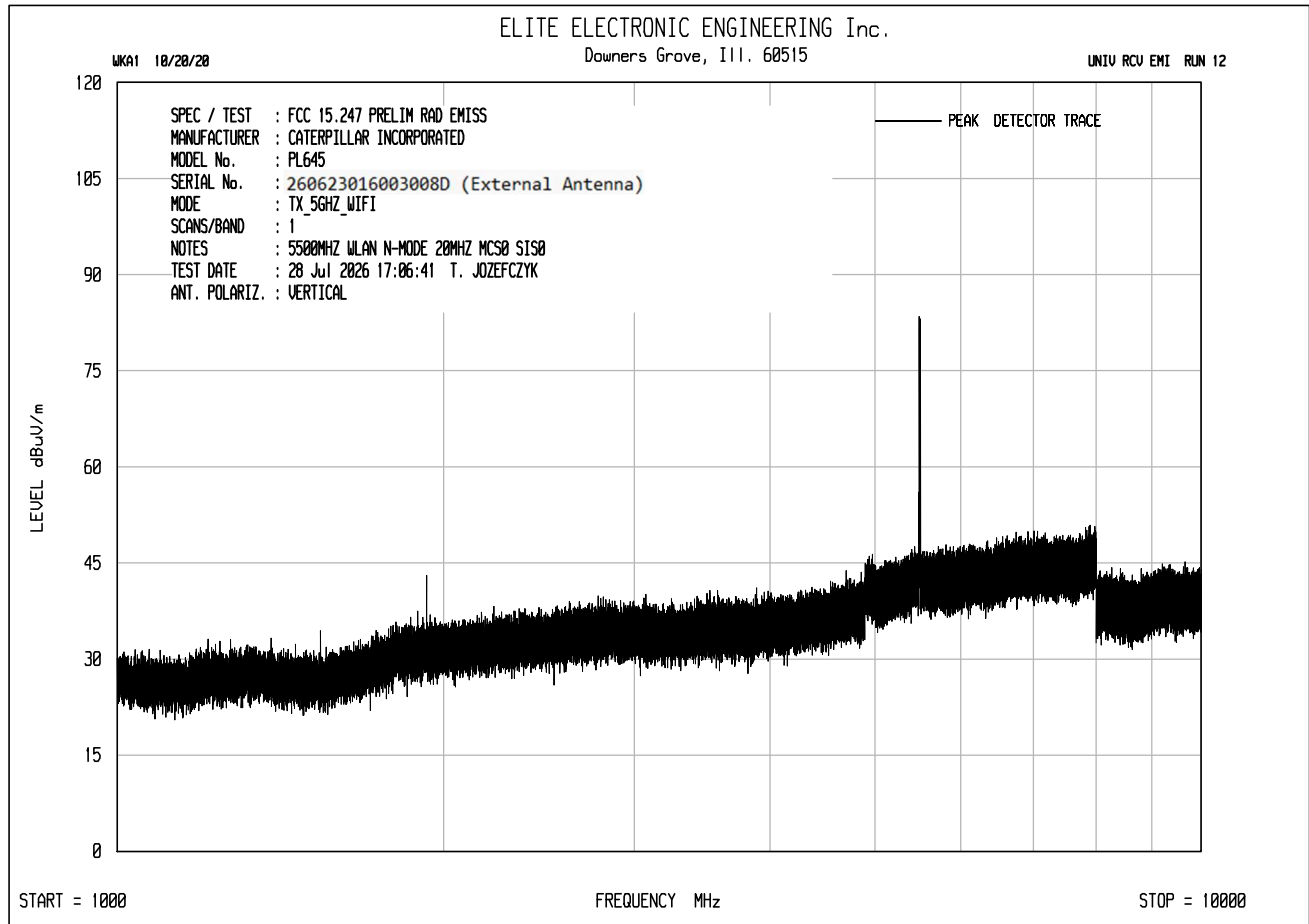
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
10640.00	H	34.31	Ambient	5.58	37.90	-40.36	0.00	37.43	74.38	500.00	-16.55
	V	34.28	Ambient	5.58	37.90	-40.36	0.00	37.40	74.12	500.00	-16.58
15960.00	H	33.01	Ambient	6.84	41.13	-39.67	0.00	41.31	116.30	500.00	-12.67
	V	33.03	Ambient	6.84	41.13	-39.67	0.00	41.33	116.57	500.00	-12.65

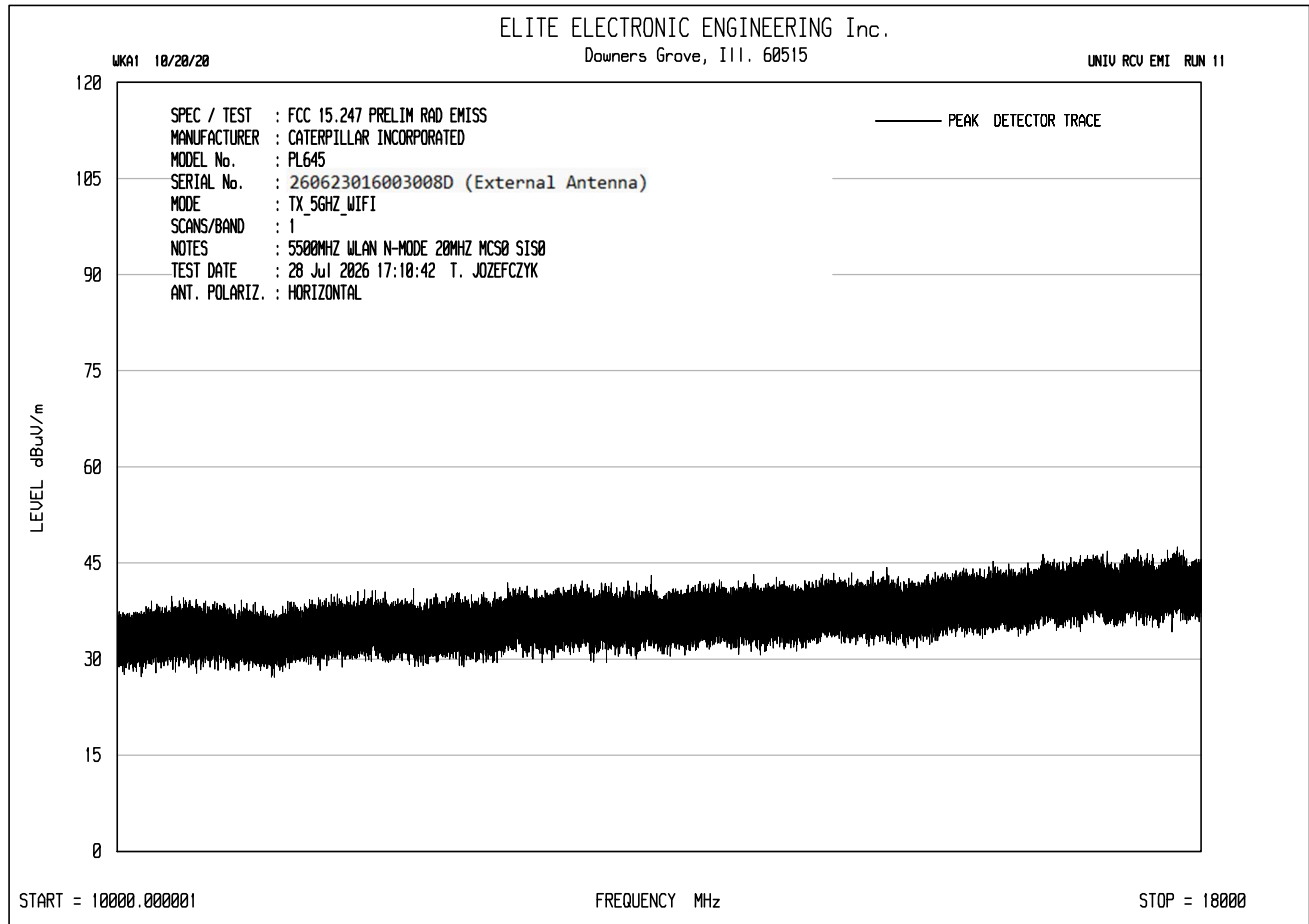
Test Details	
Manufacturer	Caterpillar Inc
Equipment Under Test	5G Telematics Radio
Model No.	PL645
Part No.	7620.002.905-13
Serial No.	260623016003008D (External Antenna)
Mode	WLAN n-Mode, 40MHz, MCS0, SISO – U-NII-2C
Frequency Tested	5500MHz
Notes	None

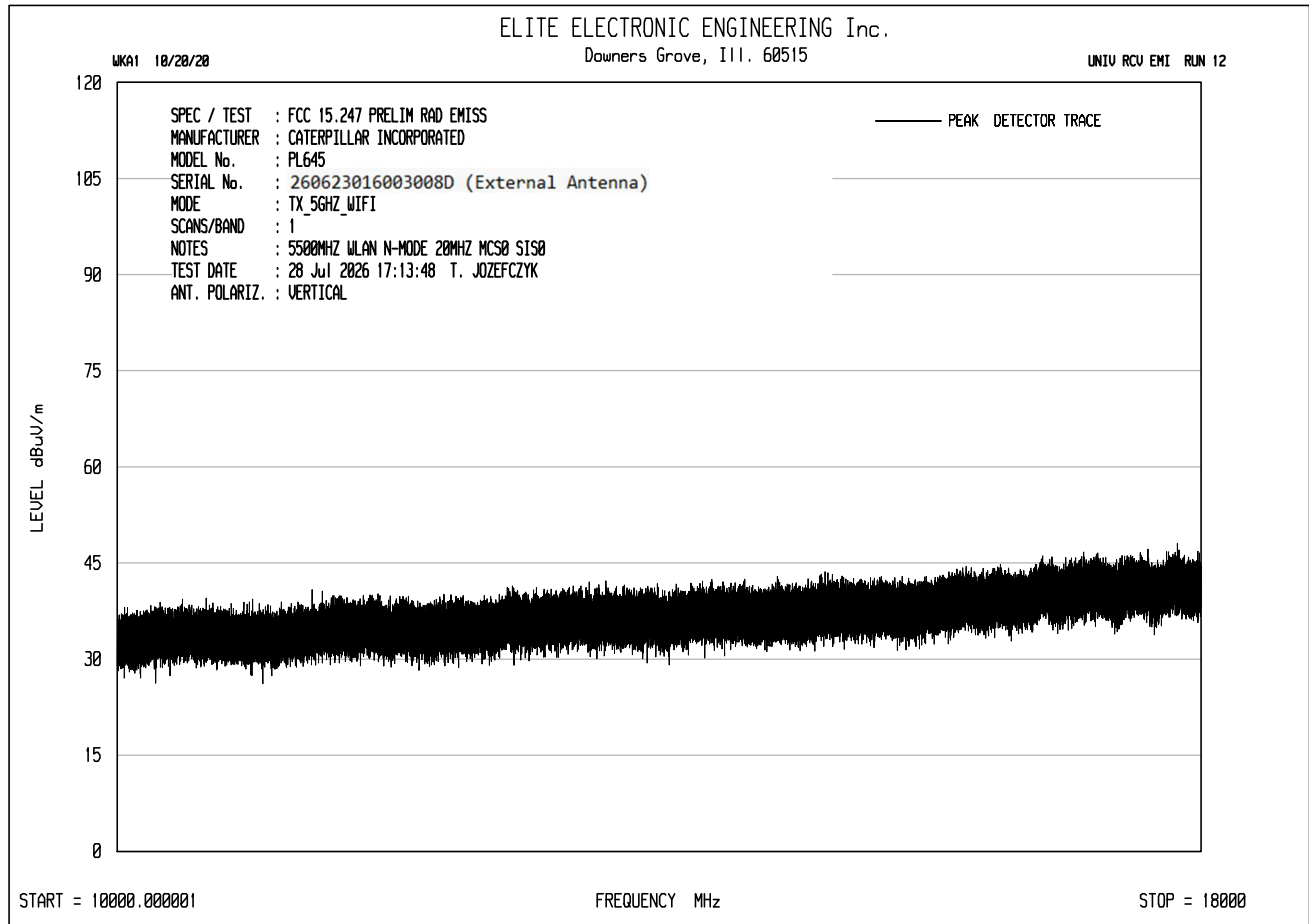


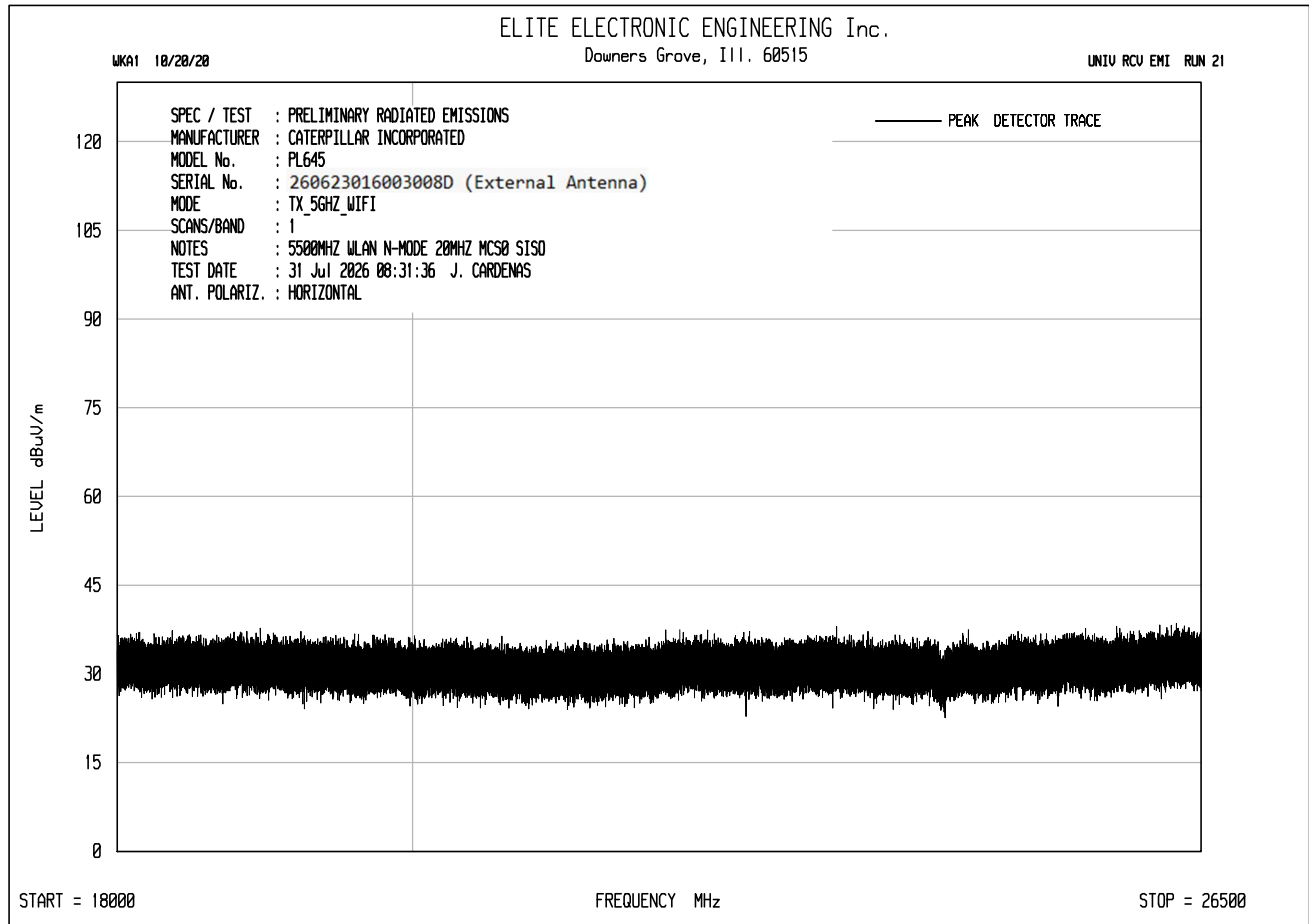


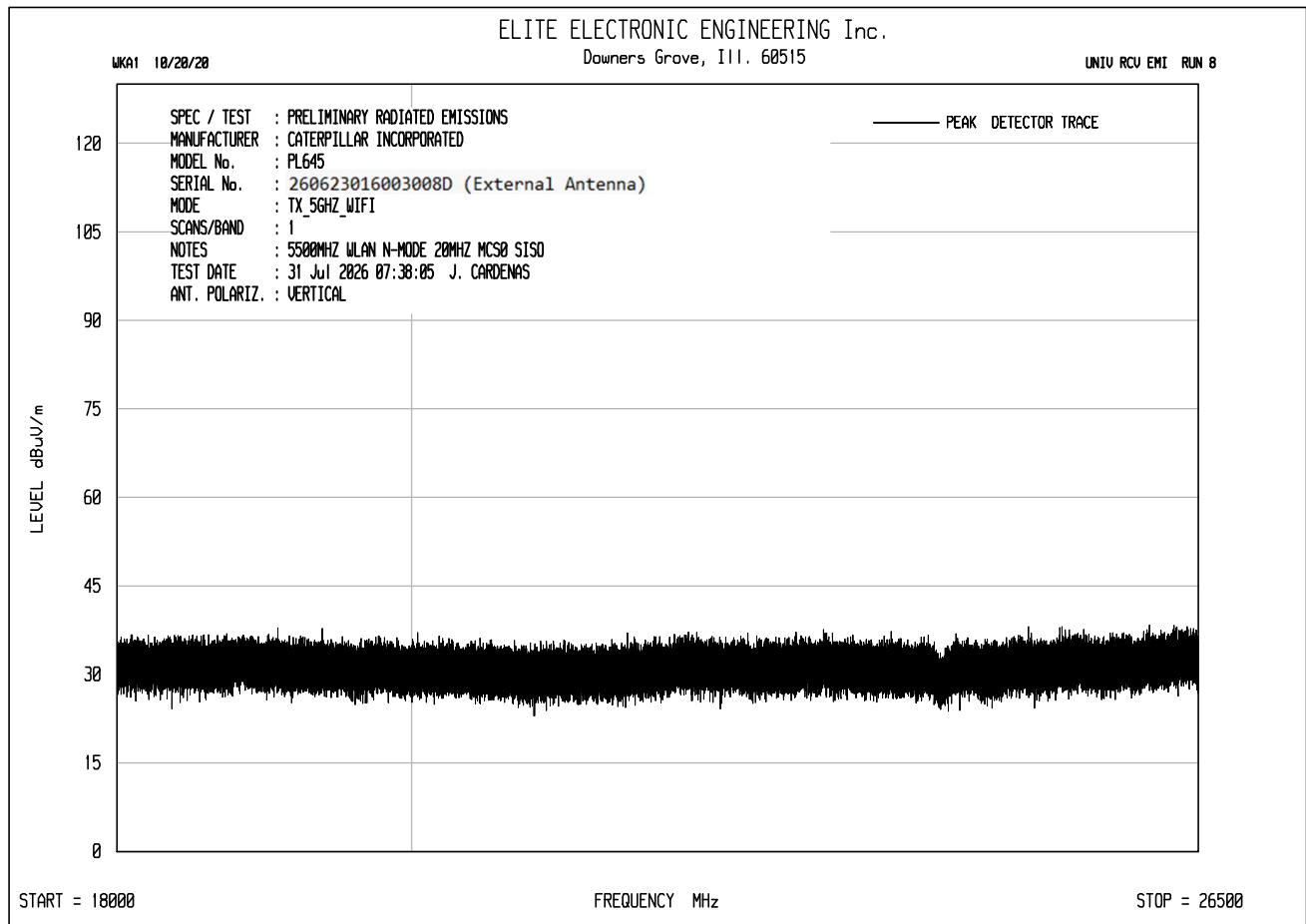


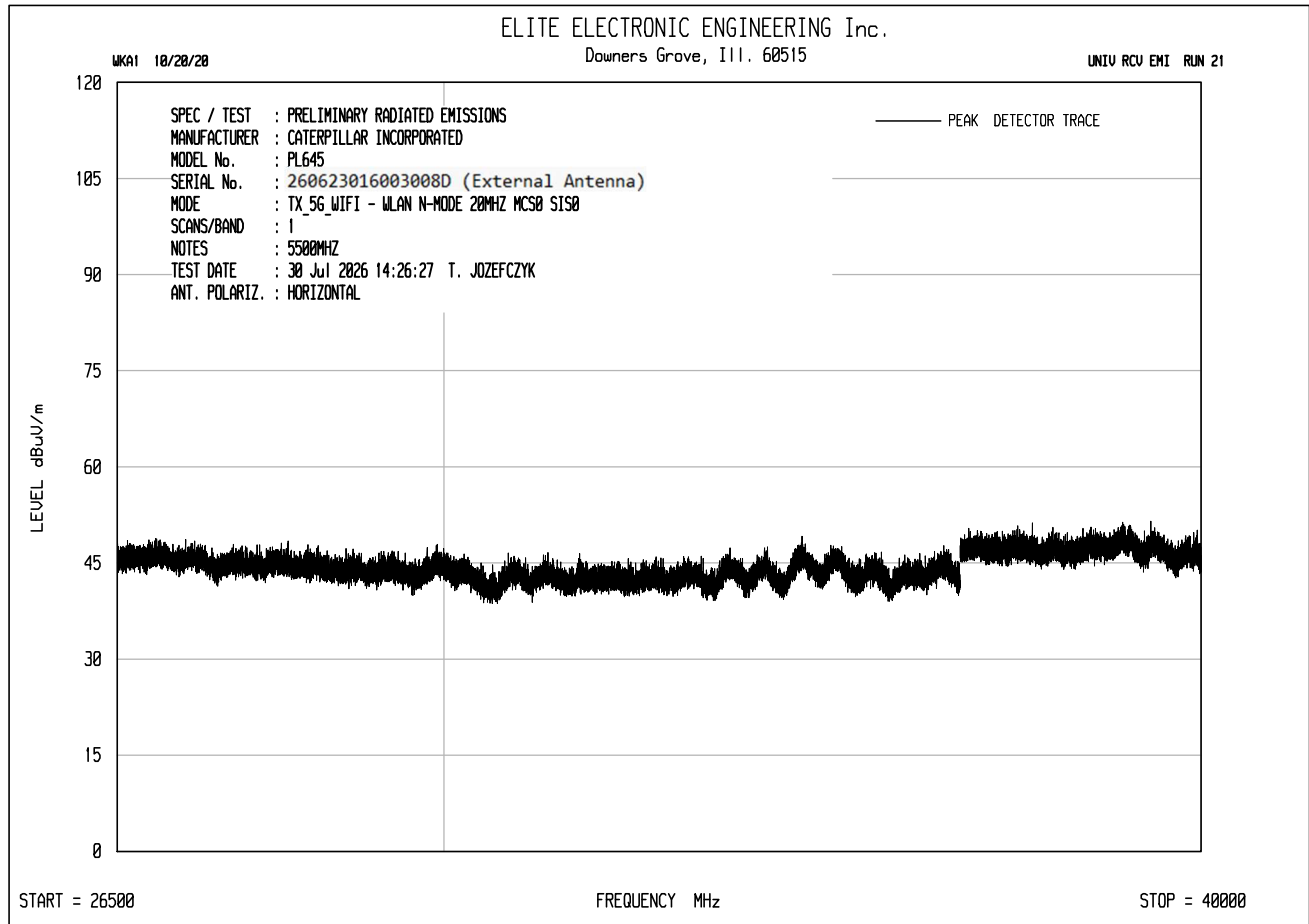


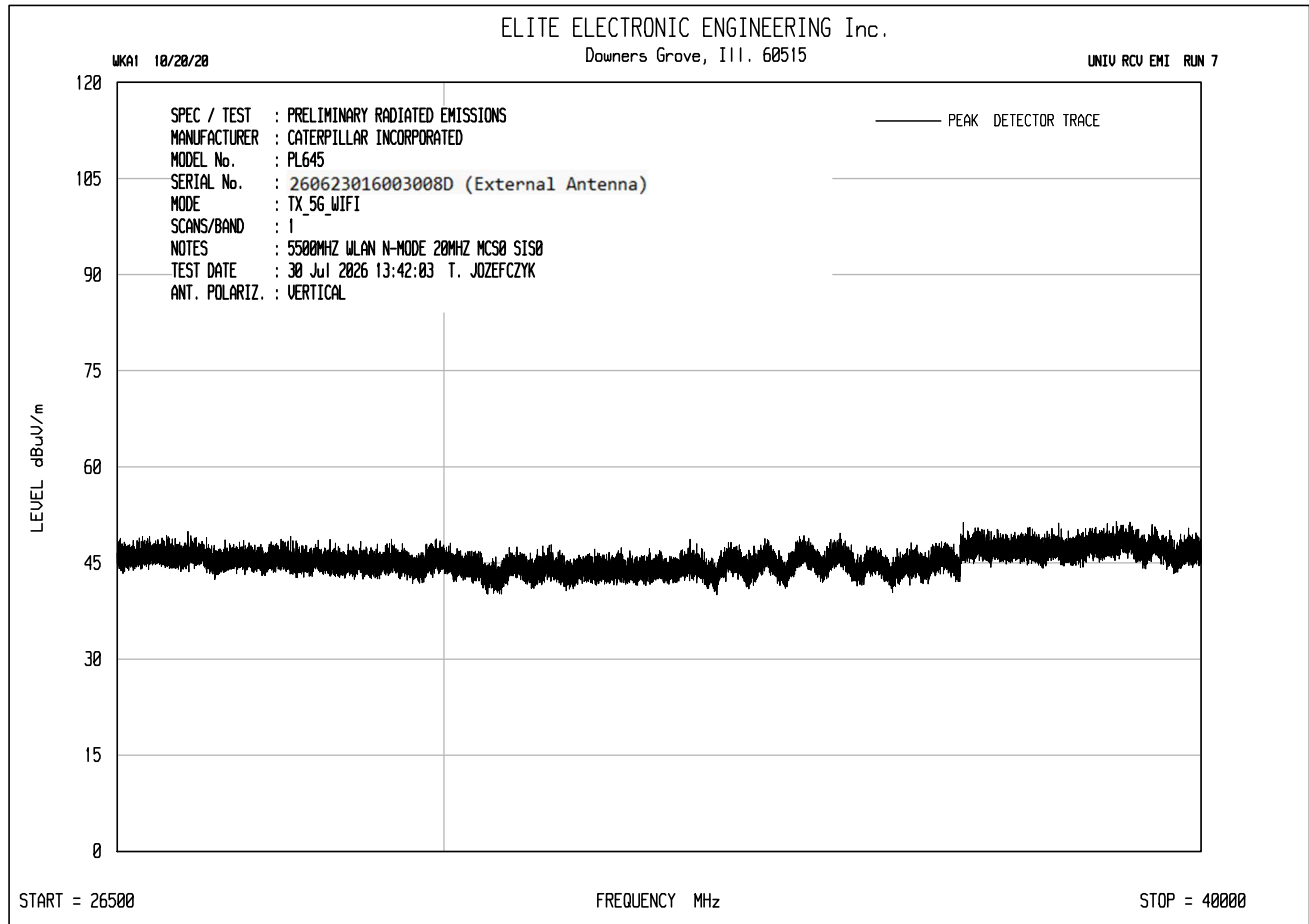










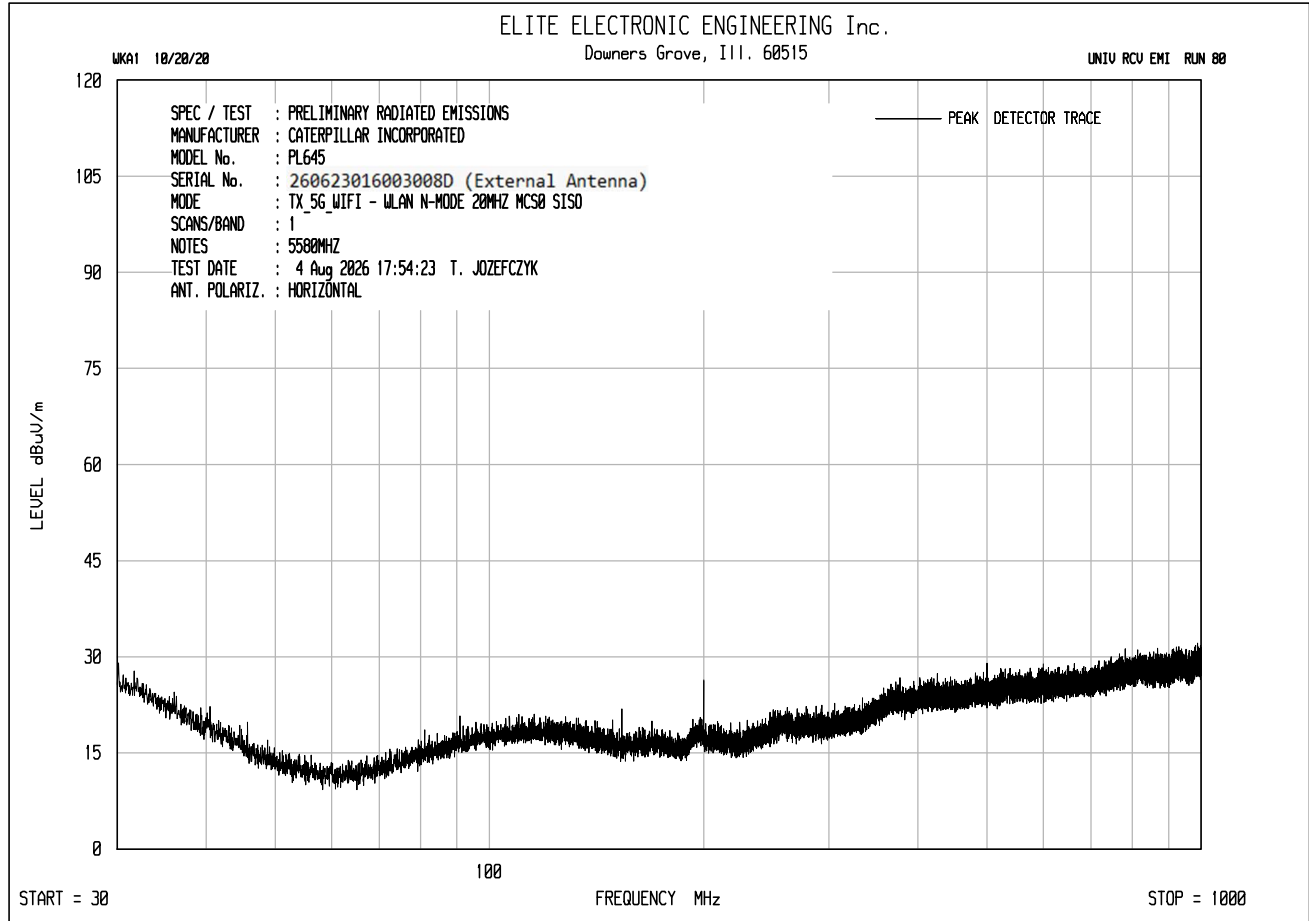


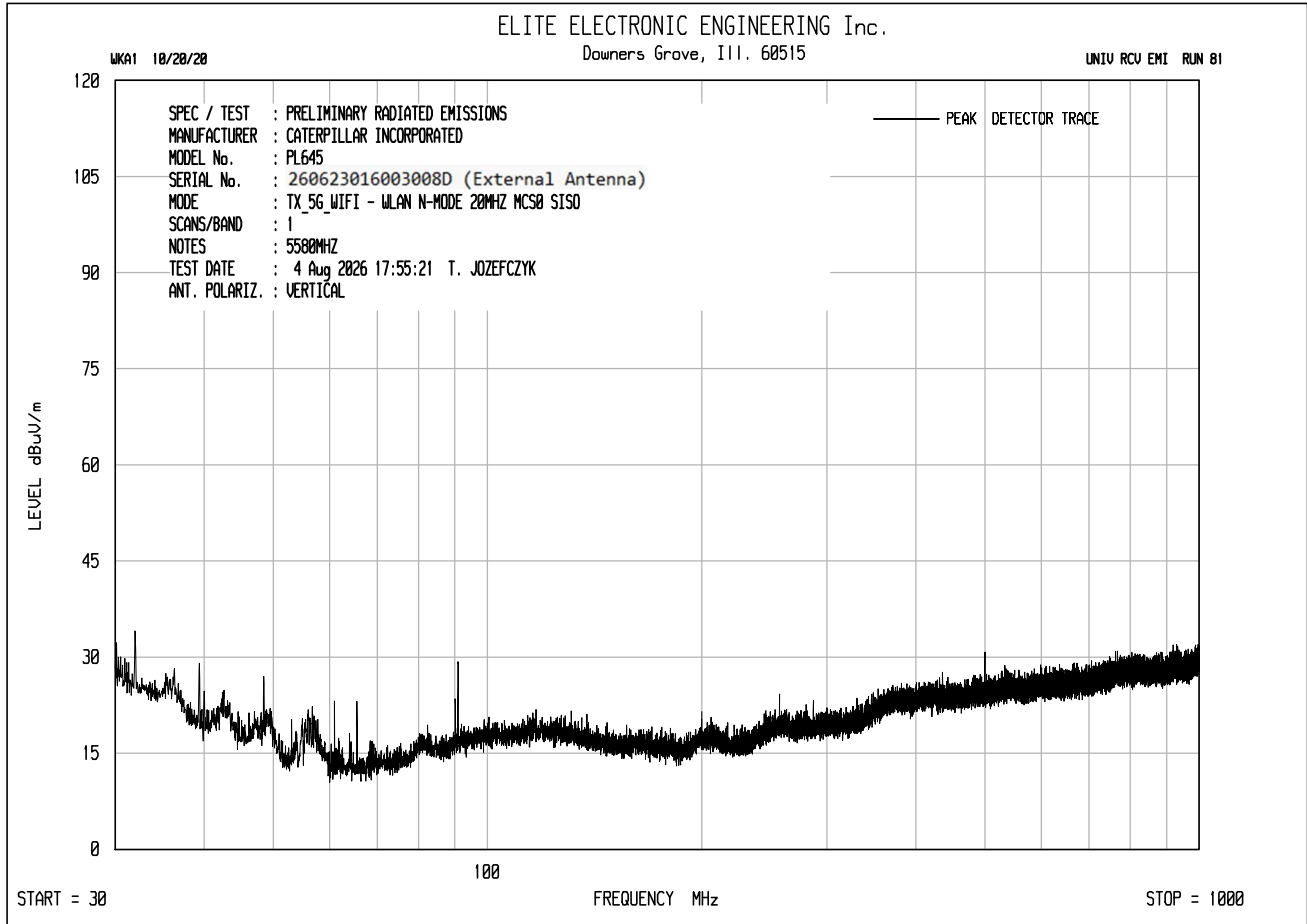
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dB)
11000.00	H	48.89	Ambient	5.72	38.23	-40.31	52.54	423.42	5000.00	-21.44
	V	48.36	Ambient	5.72	38.23	-40.31	52.01	398.36	5000.00	-21.97

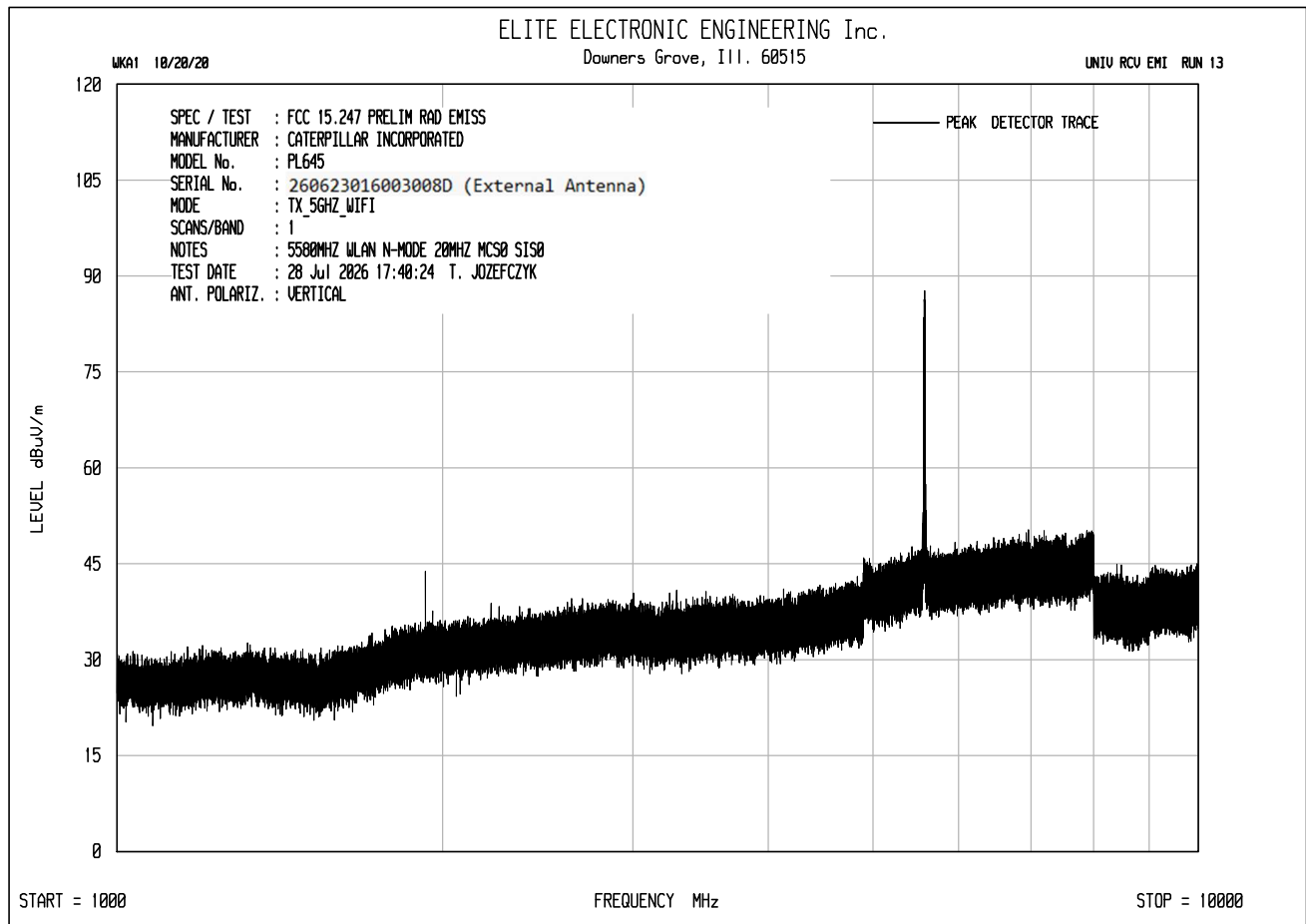
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
11000.00	H	33.57	Ambient	5.72	38.23	-40.31	0.00	37.22	72.57	500.00	-16.76
	V	33.59	Ambient	5.72	38.23	-40.31	0.00	37.24	72.74	500.00	-16.74

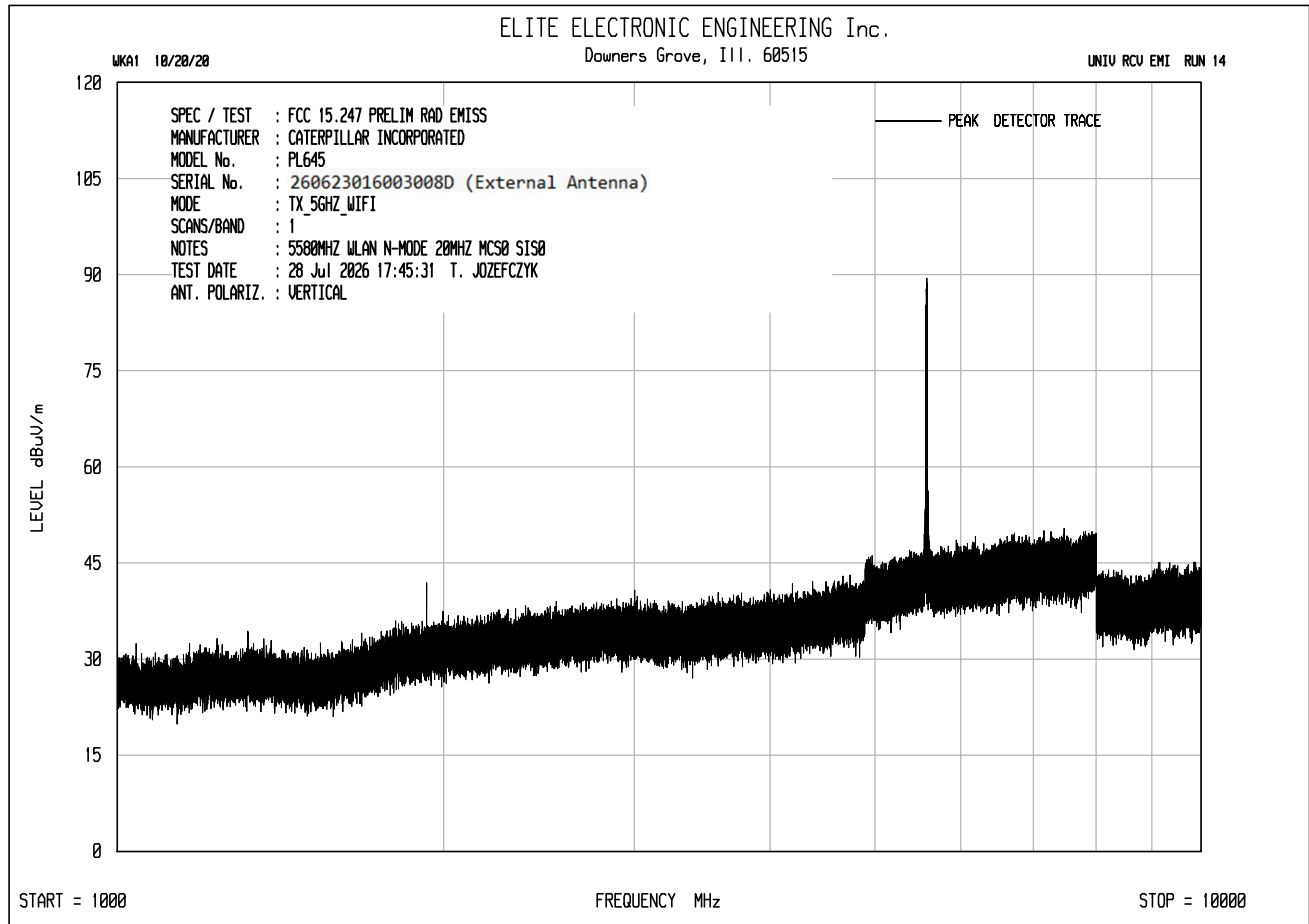
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak EIRP Total (dBm/MHz)	Peak EIRP Limit (dBm/MHz)	Margin (dB)
16500.00	H	37.89	Ambient	7.03	42.62	-39.61	47.94	-47.26	-27.00	-20.26
	V	38.43	Ambient	7.03	42.62	-39.61	48.48	-46.72	-27.00	-19.72

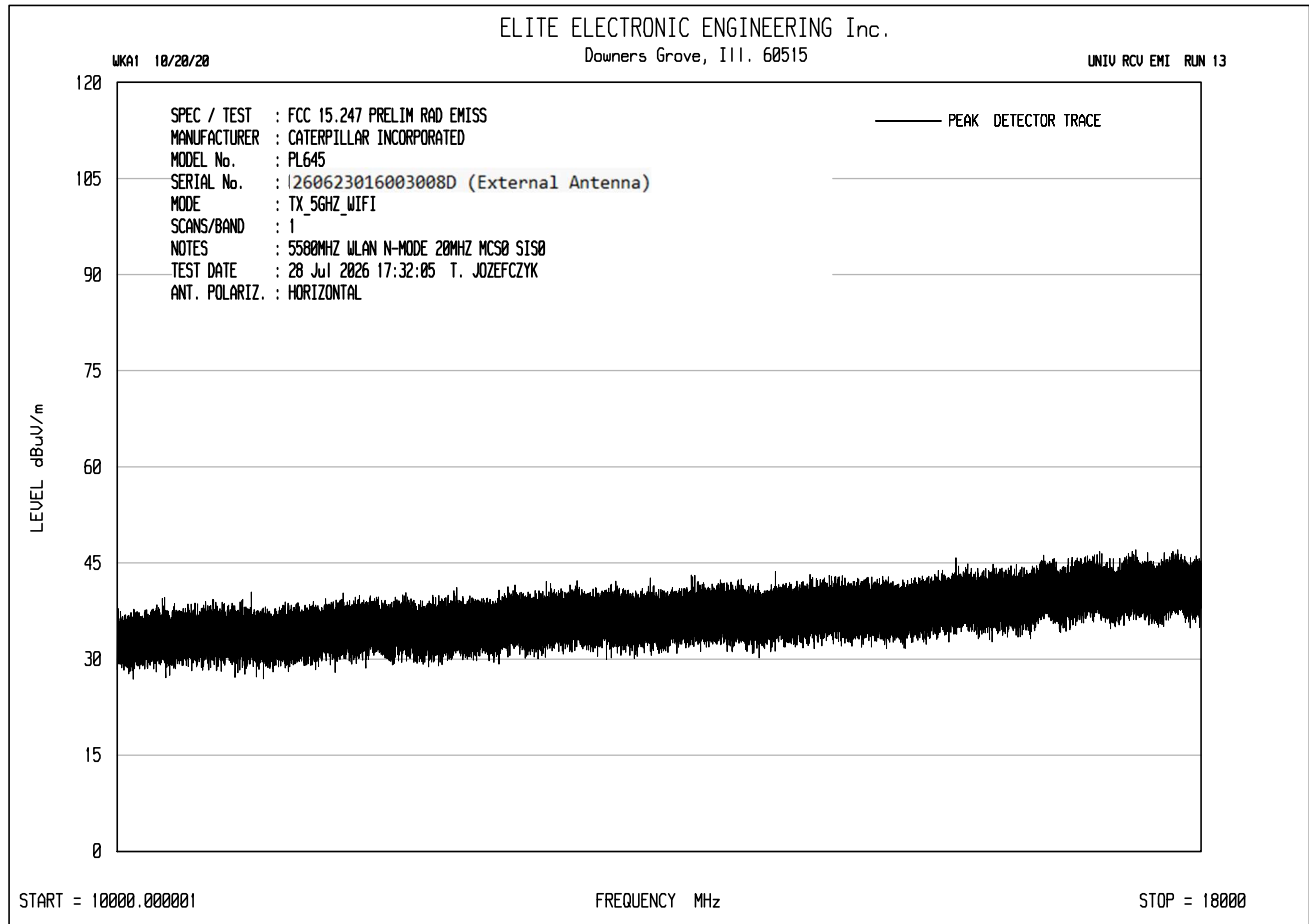
Test Details	
Manufacturer	Caterpillar Inc
Equipment Under Test	5G Telematics Radio
Model No.	PL645
Part No.	7620.002.905-13
Serial No.	260623016003008D (External Antenna)
Mode	WLAN n-Mode, 40MHz, MCS0, SISO – U-NII-2C
Frequency Tested	5580MHz
Notes	None

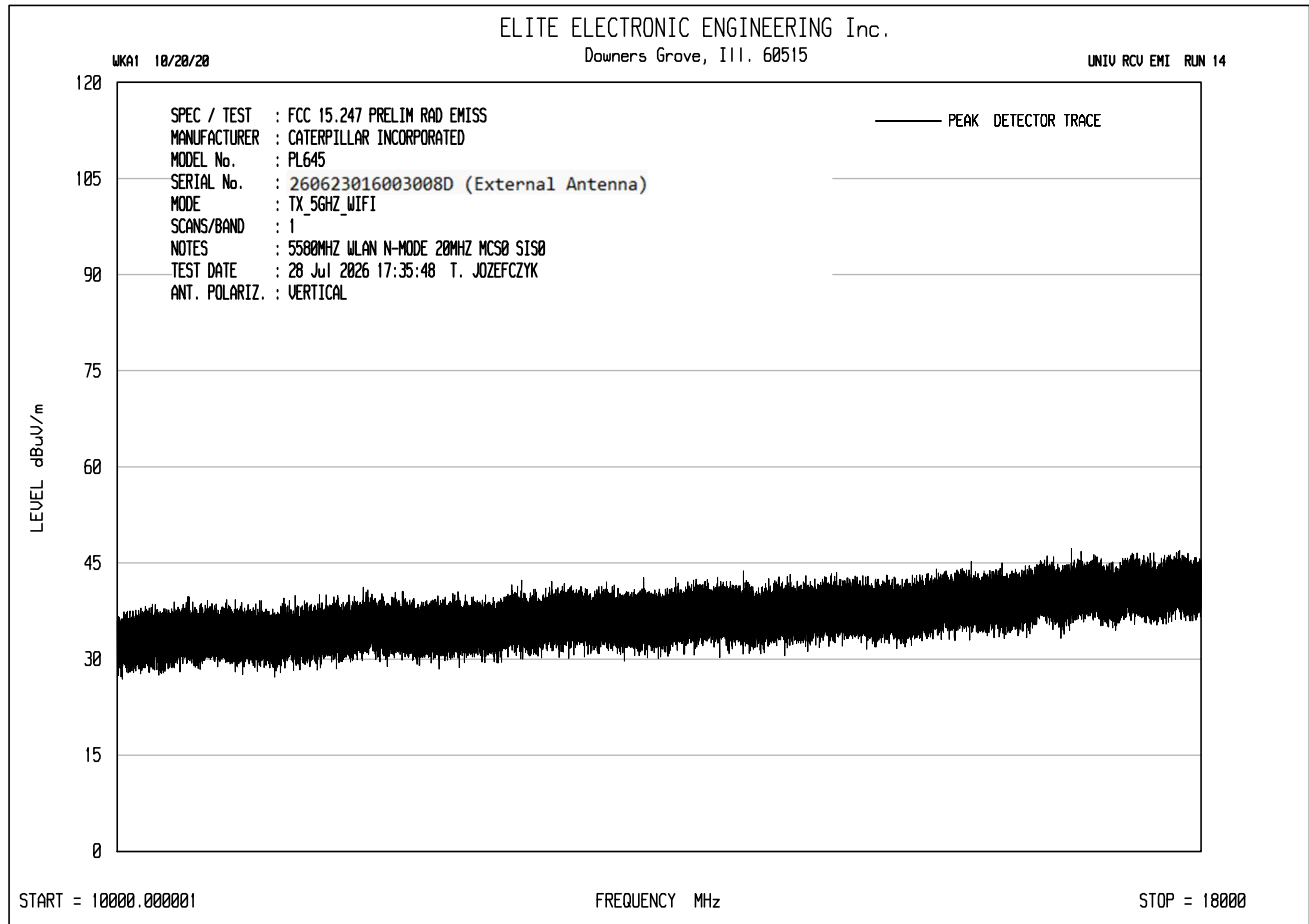


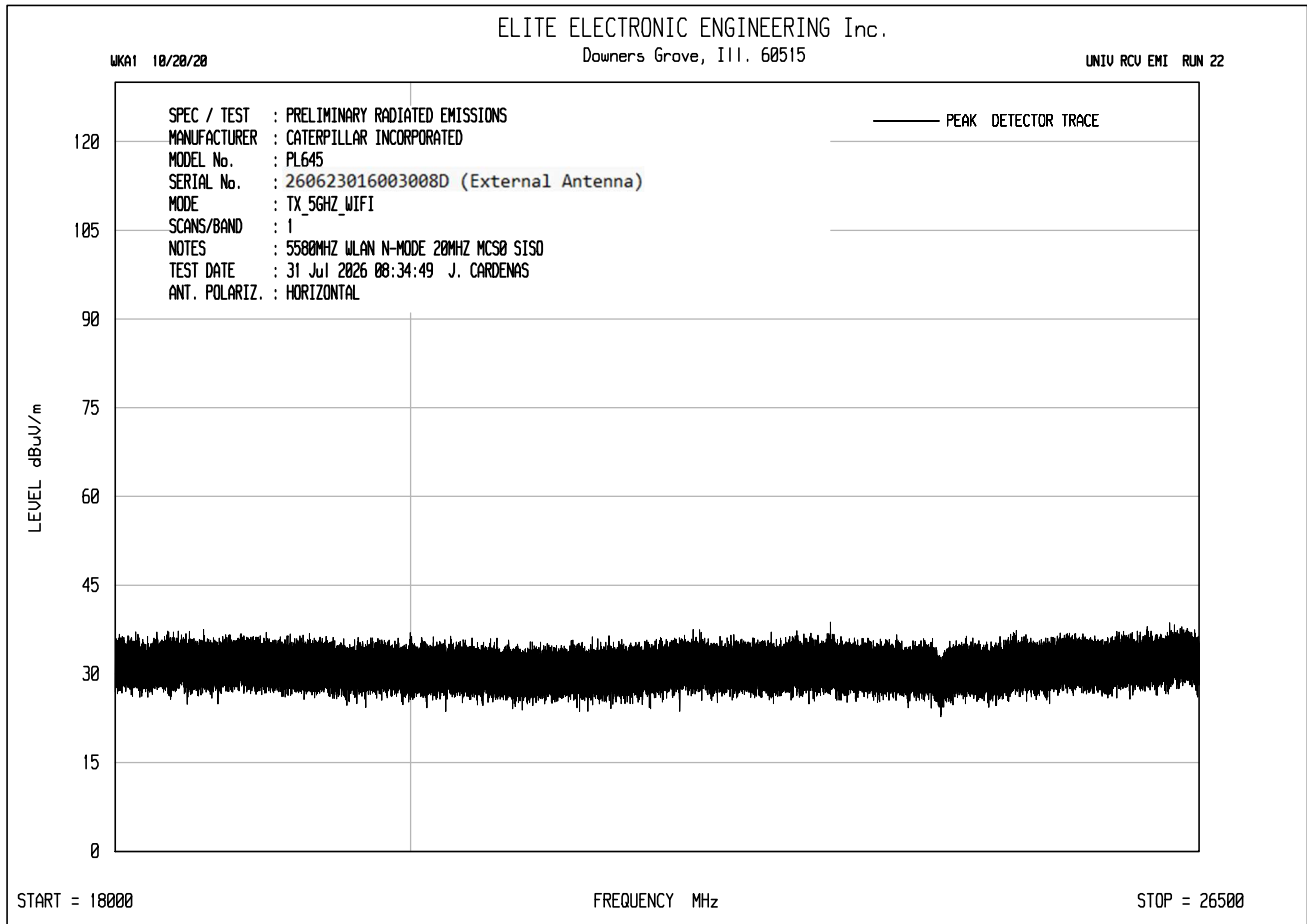


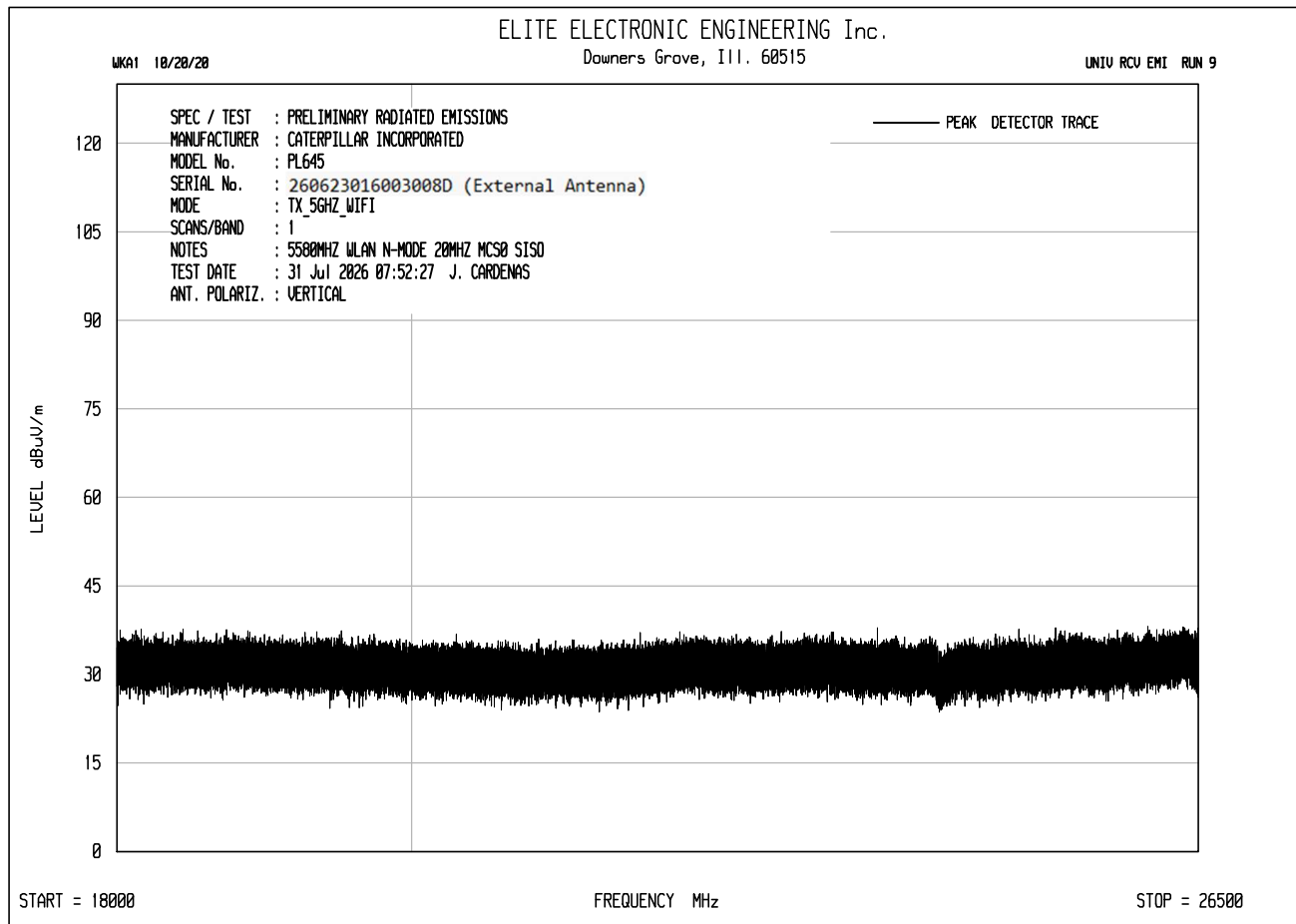


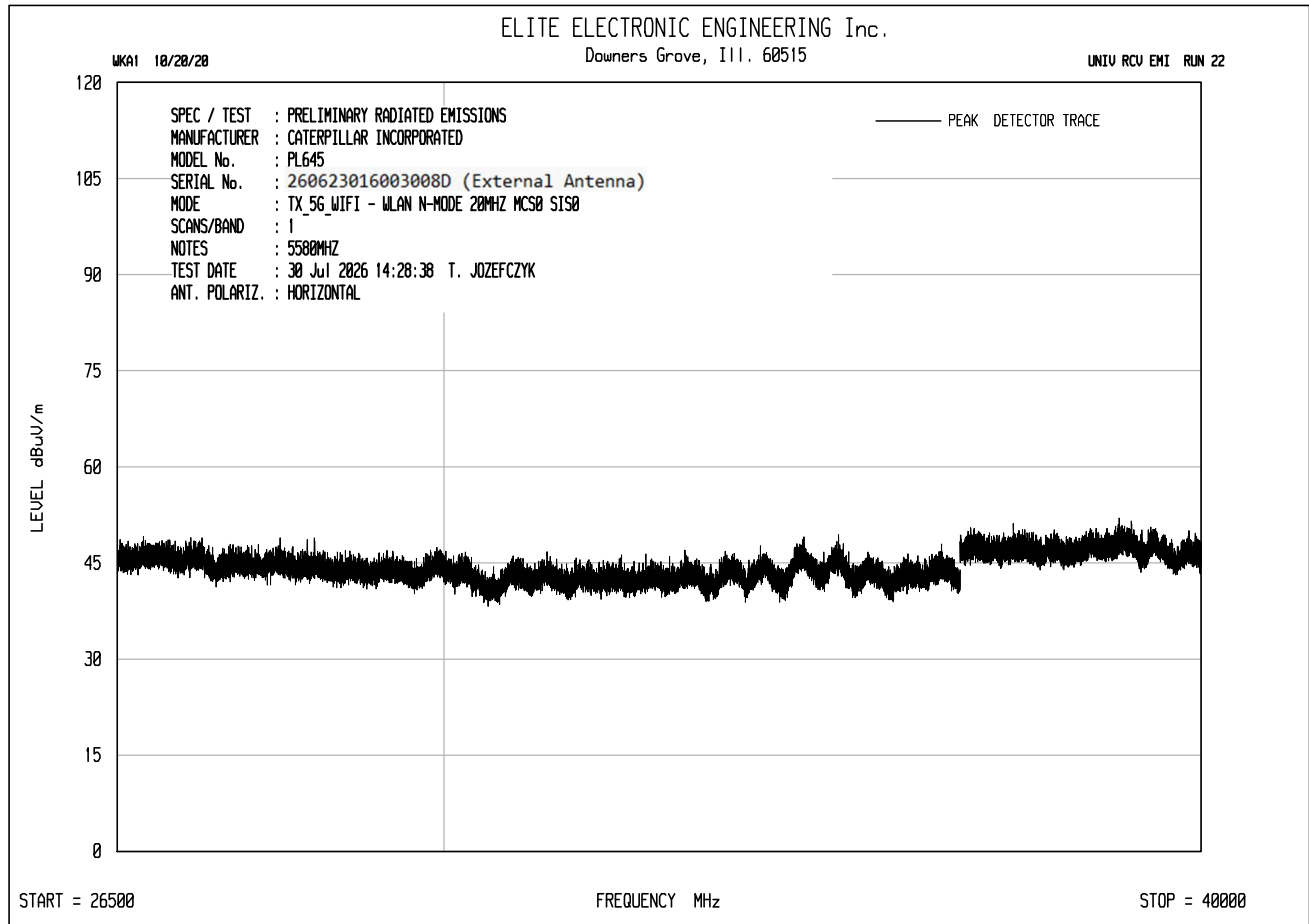


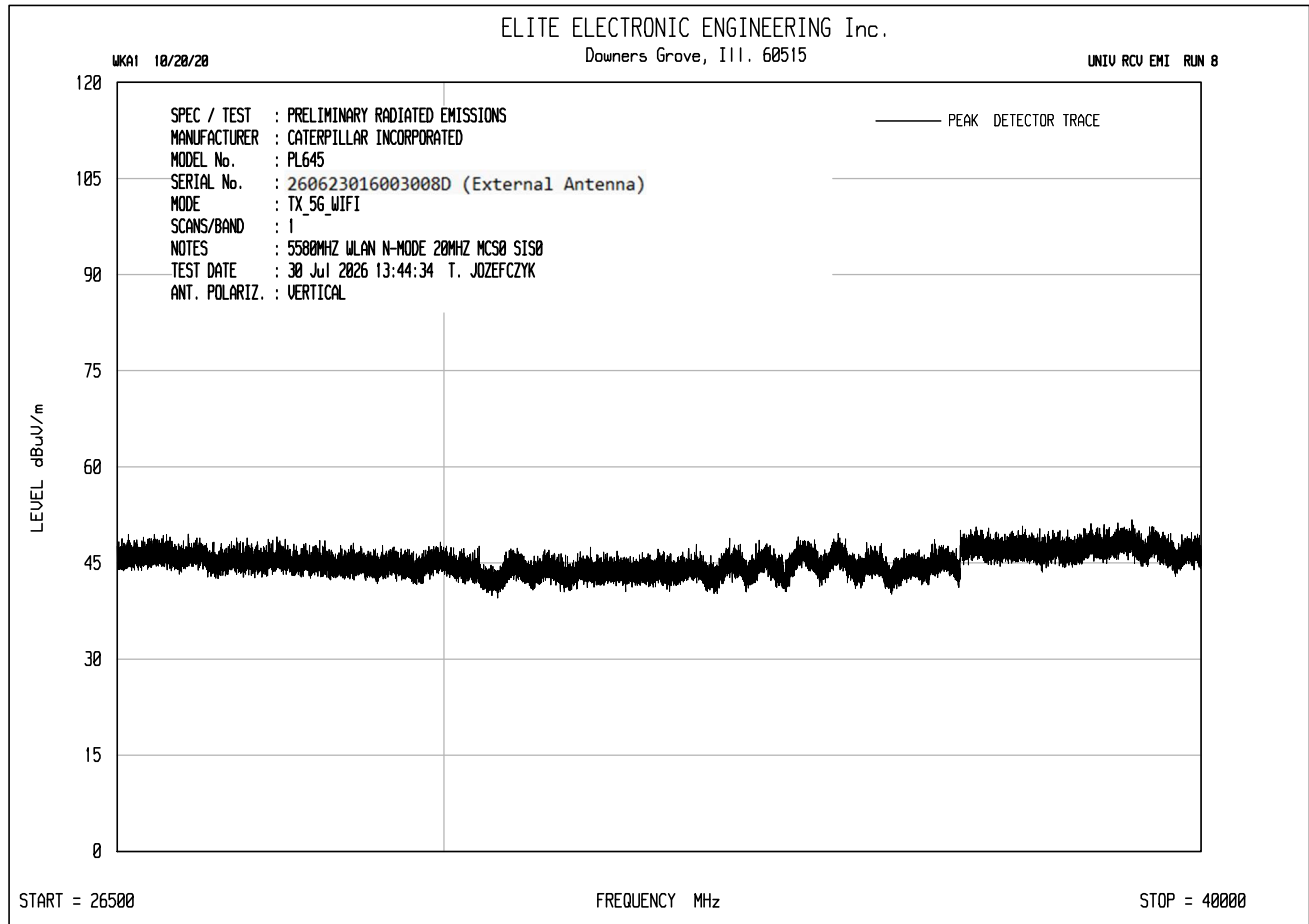










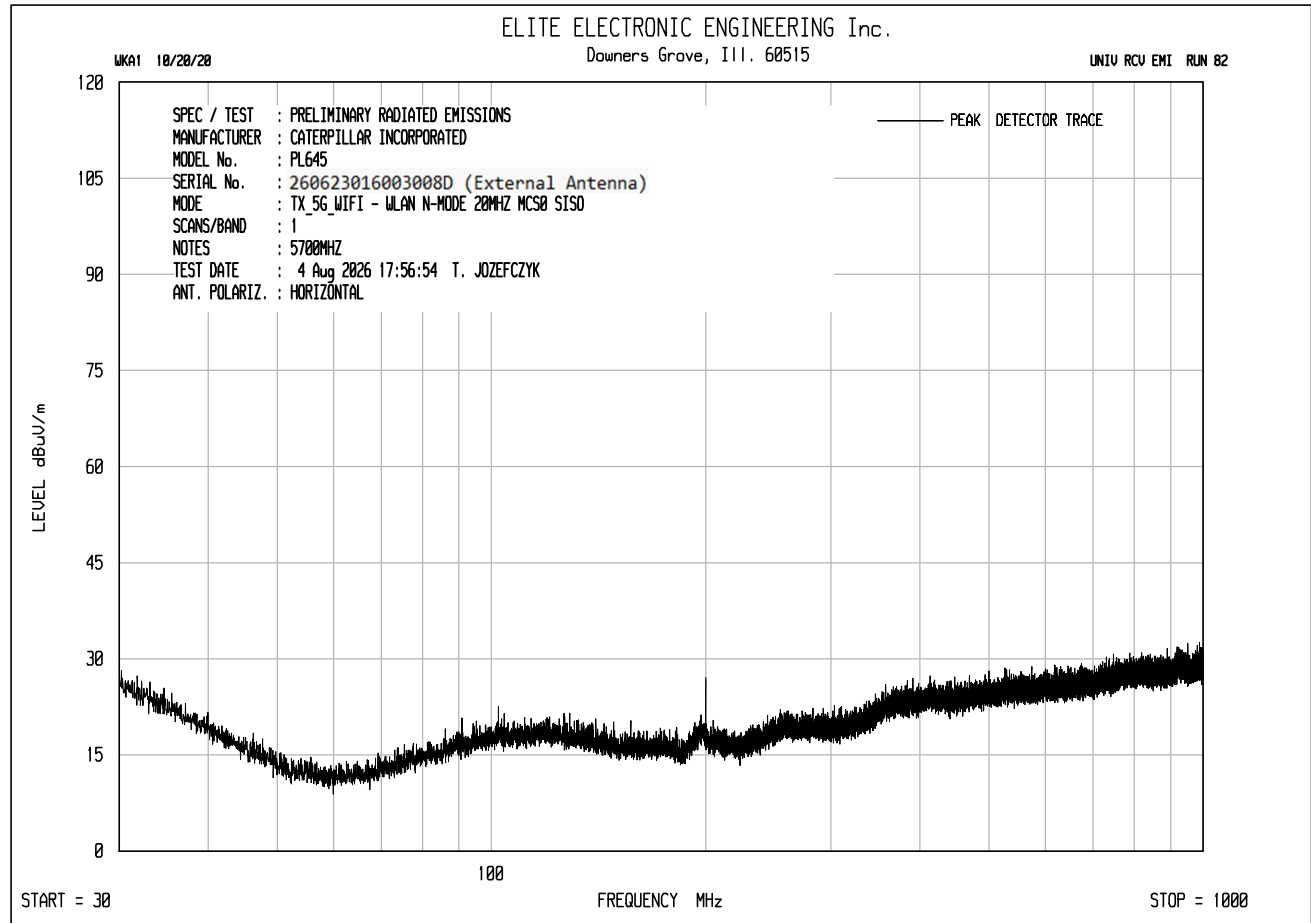


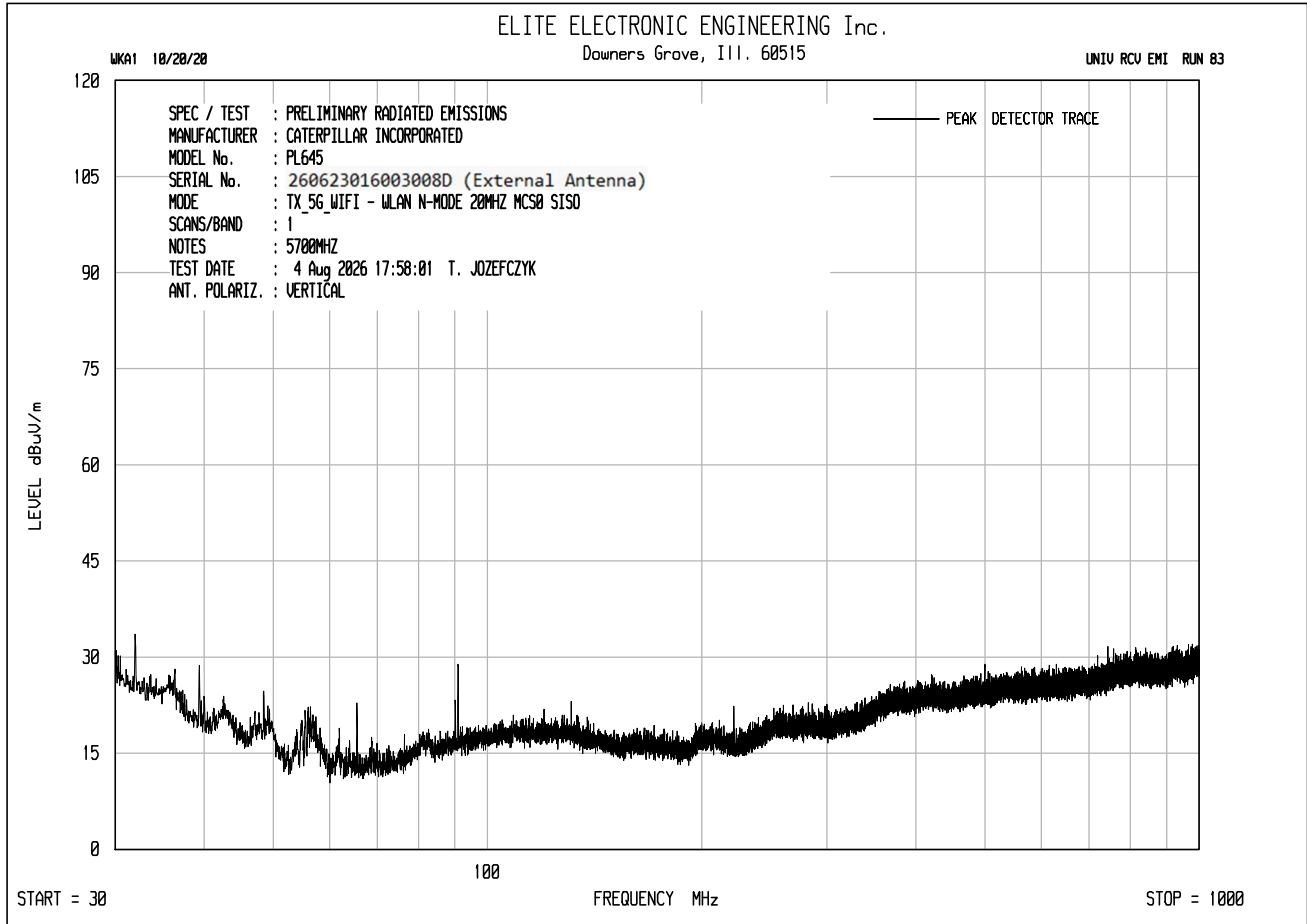
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dB)
11160.00	H	48.64	Ambient	5.78	38.15	-40.28	52.29	411.68	5000.00	-21.69
	V	48.39	Ambient	5.78	38.15	-40.28	52.04	400.00	5000.00	-21.94

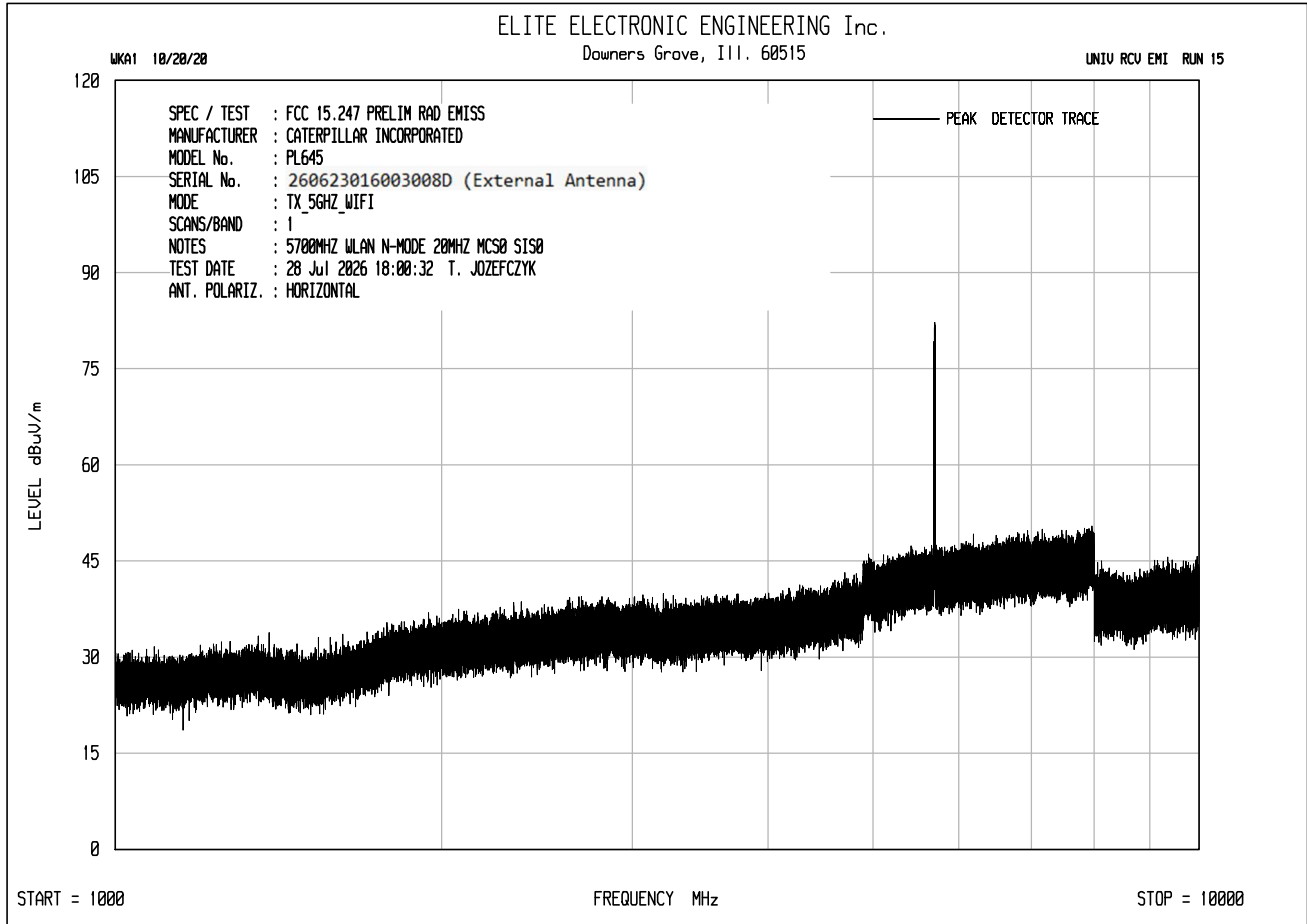
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
11160.00	H	33.94	Ambient	5.78	38.15	-40.28	0.00	37.59	75.78	500.00	-16.39
	V	33.90	Ambient	5.78	38.15	-40.28	0.00	37.55	75.43	500.00	-16.43

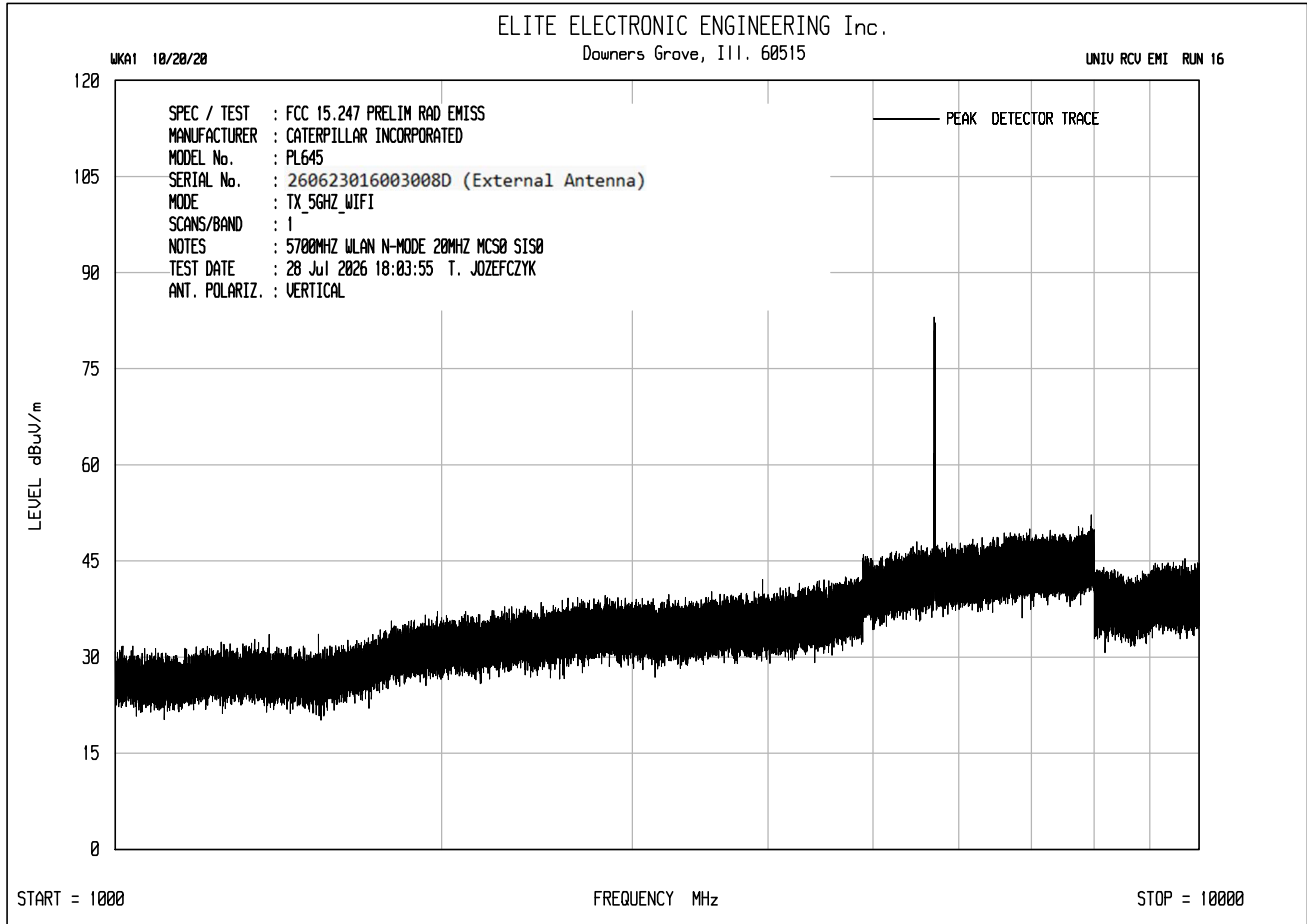
Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak EIRP Total (dBm/MHz)	Peak EIRP Limit (dBm/MHz)	Margin (dB)
16740.00	H	37.97	Ambient	7.12	43.33	-39.58	48.84	-46.36	-27.00	-19.36
	V	37.49	Ambient	7.12	43.33	-39.58	48.36	-46.84	-27.00	-19.84

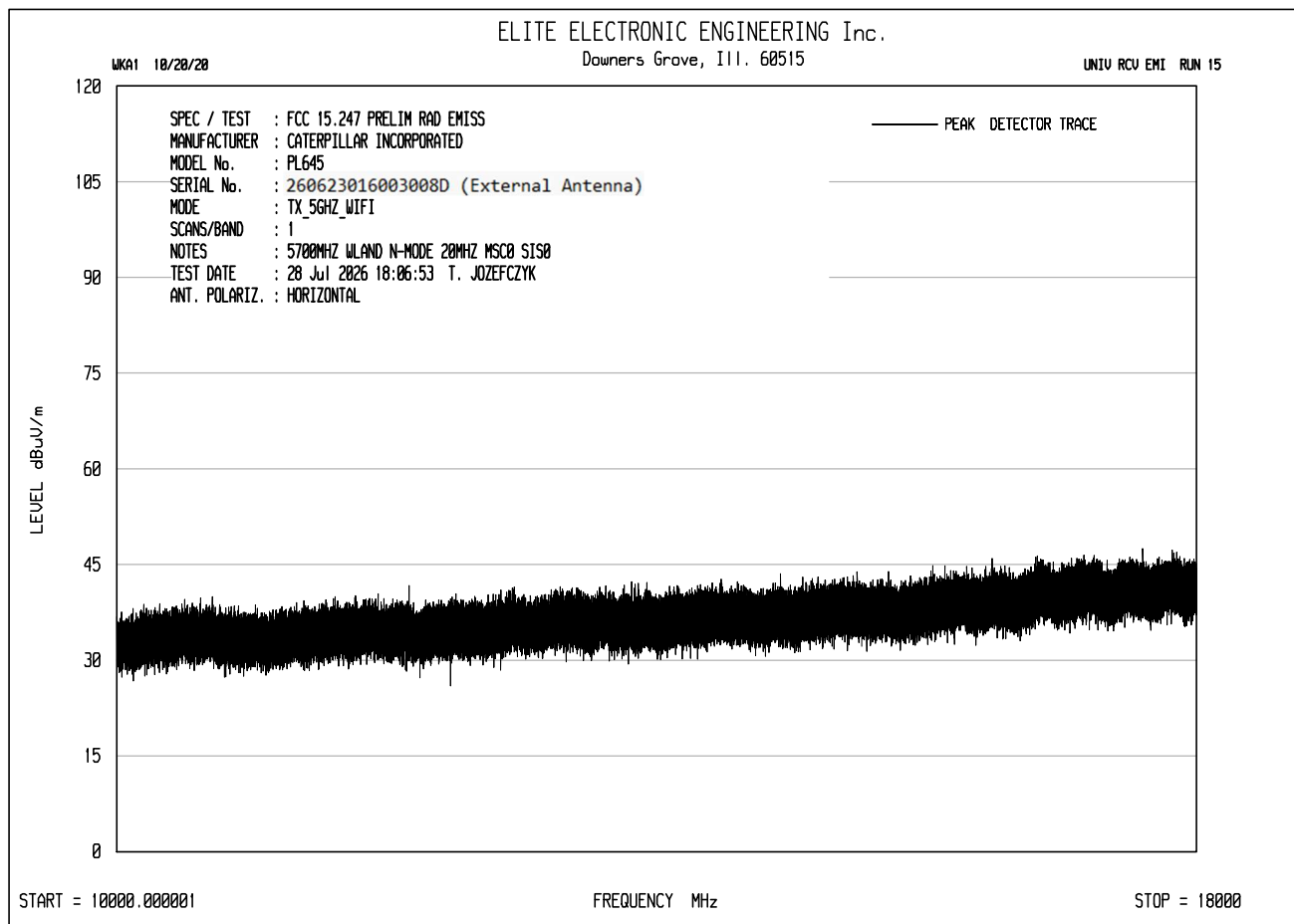
Test Details	
Manufacturer	Caterpillar Inc
Equipment Under Test	5G Telematics Radio
Model No.	PL645
Part No.	7620.002.905-13
Serial No.	260623016003008D (External Antenna)
Mode	WLAN n-Mode, 40MHz, MCS0, SISO – U-NII-2C
Frequency Tested	5700MHz
Notes	None

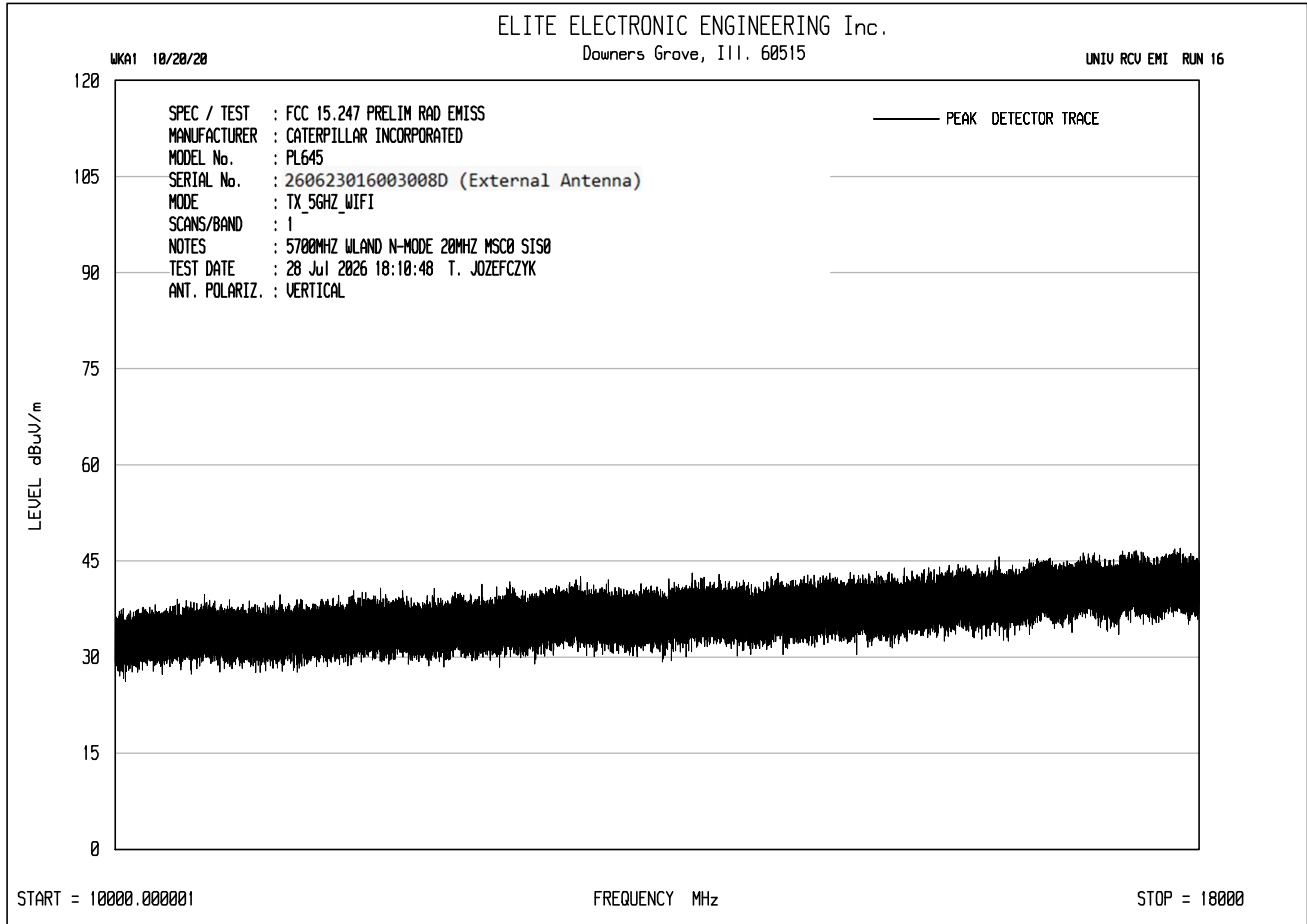


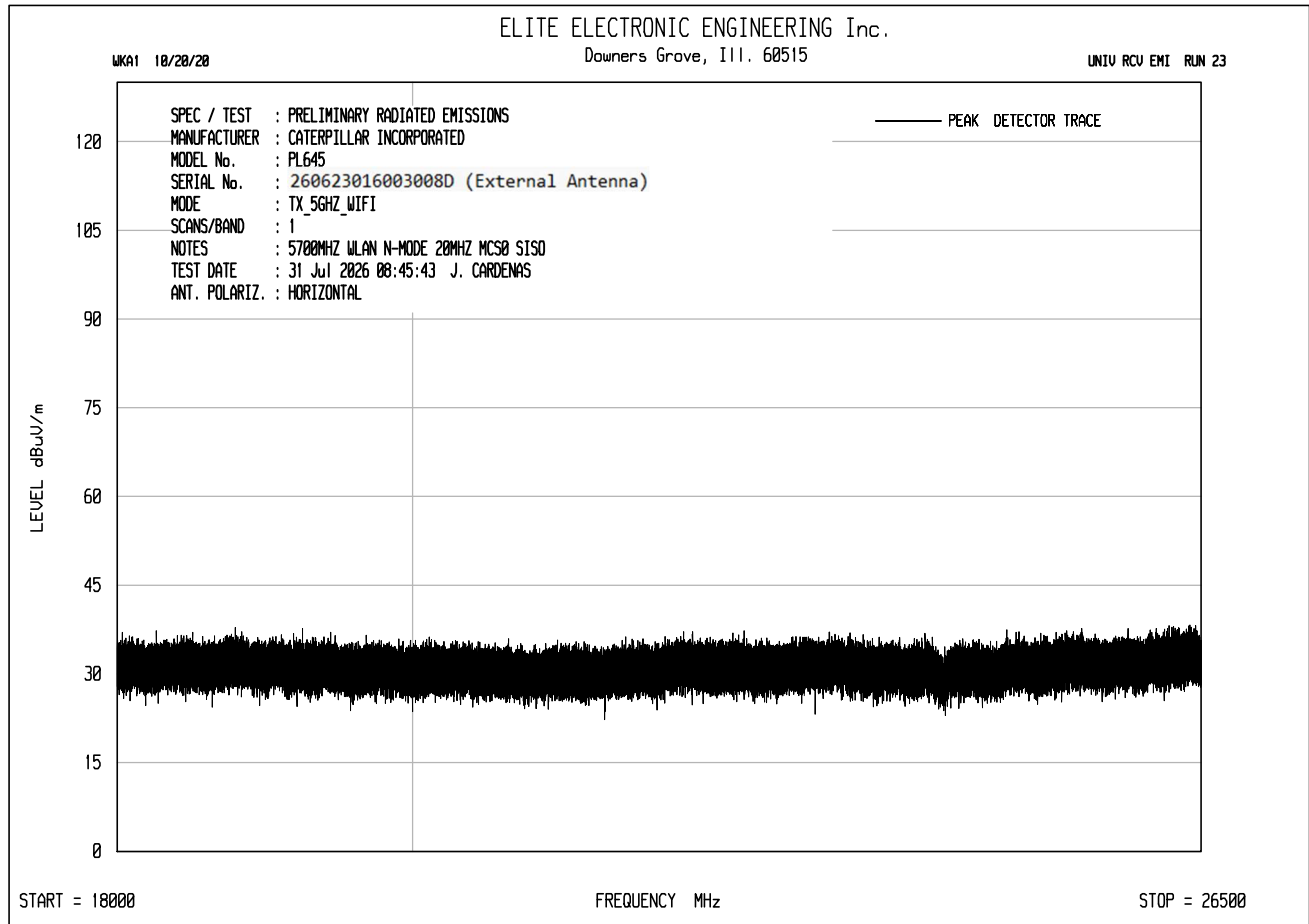


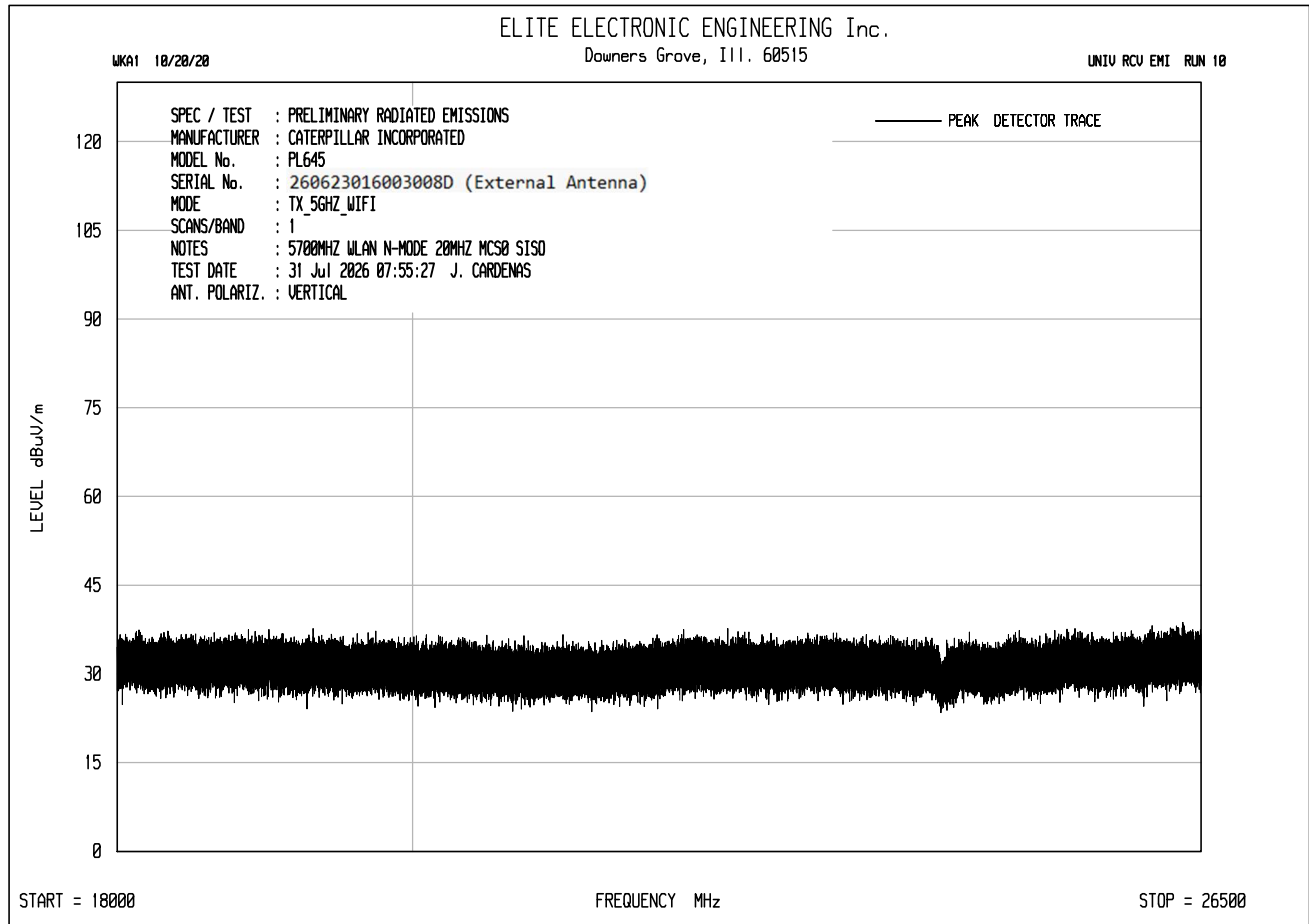


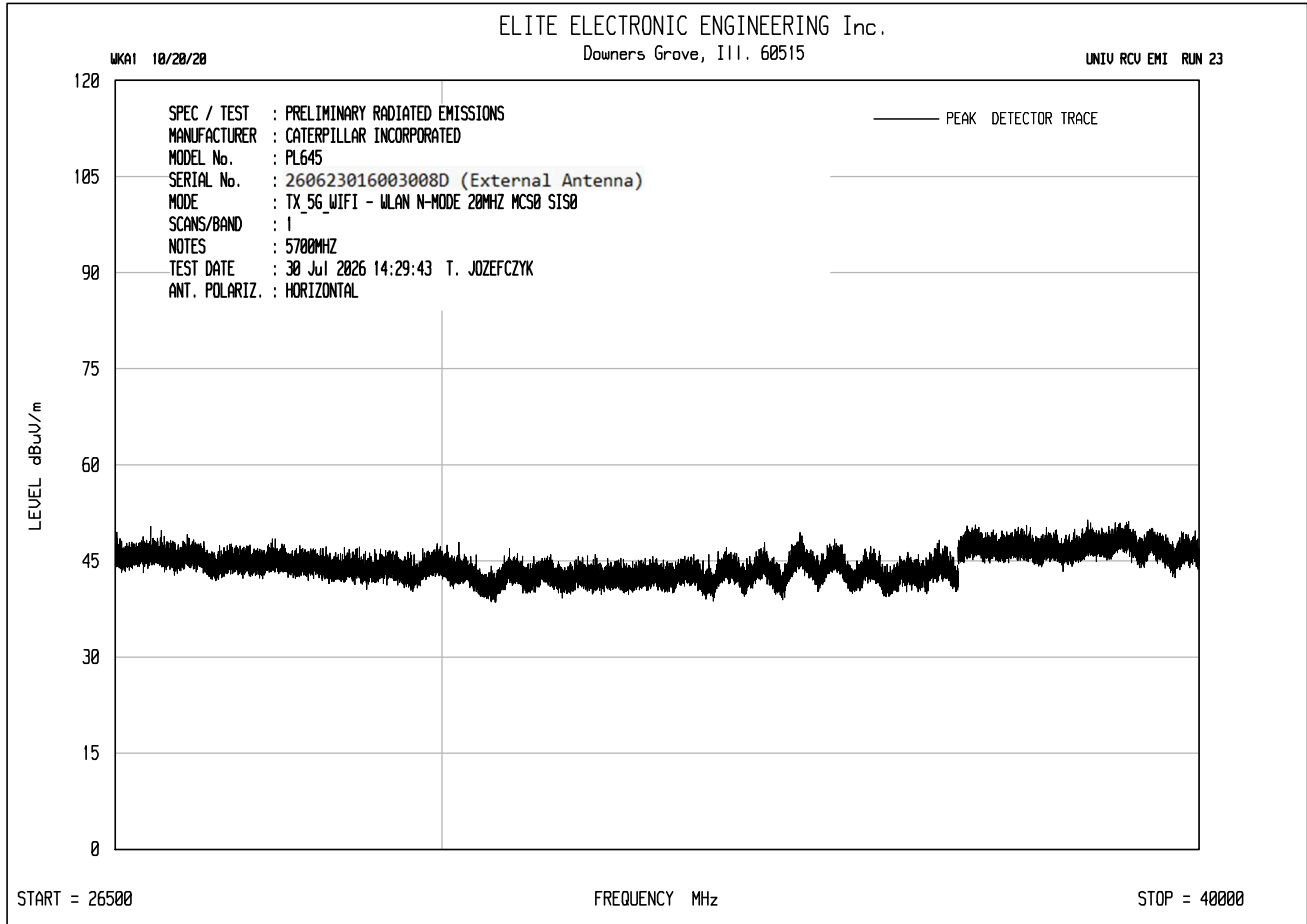


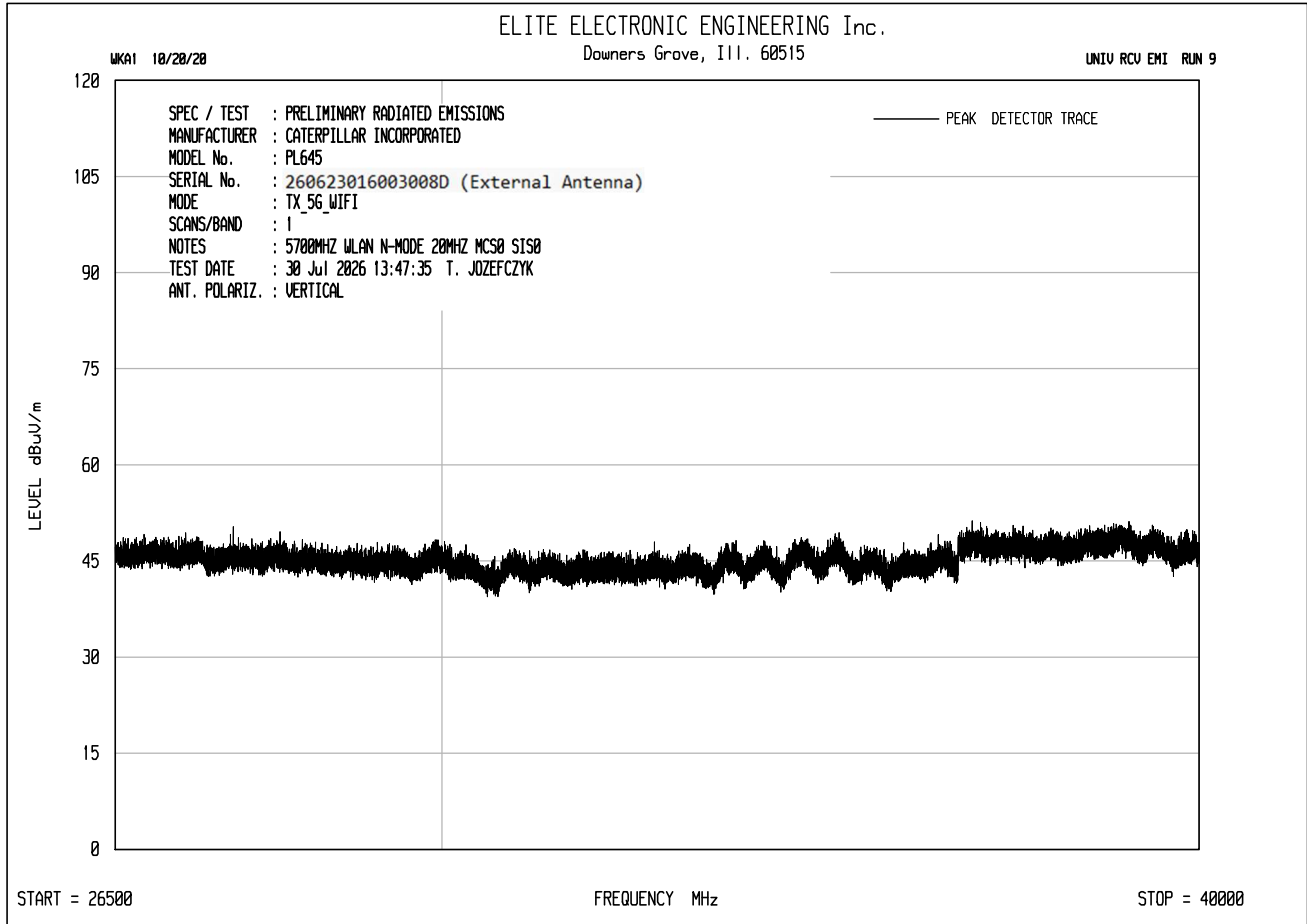












Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak Total at 3m (μV/m)	Peak Limit at 3m (μV/m)	Margin (dB)
11400.00	H	50.02	Ambient	5.87	38.01	-40.24	53.65	481.54	5000.00	-20.33
	V	49.40	Ambient	5.87	38.01	-40.24	53.03	448.37	5000.00	-20.95

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	CBL Fac (dB)	Ant Fac (dB/m)	Pre Amp (dB)	Duty Cycle Factor (dB)	Average Total at 3m (dBμV/m)	Average Total at 3m (μV/m)	Average Limit at 3m (μV/m)	Margin (dB)
11400.00	H	34.20	Ambient	5.87	38.01	-40.24		37.83	77.92	500.00	-16.15
	V	34.21	Ambient	5.87	38.01	-40.24		37.84	78.01	500.00	-16.14

Freq (MHz)	Ant Pol	Meter Reading (dBμV)	Ambient	Cable Factor (dB)	Antenna Factor (dB/m)	Pre Amp (dB)	Peak Total at 3m (dBμV/m)	Peak EIRP Total (dBm/MHz)	Peak EIRP Limit (dBm/MHz)	Margin (dB)
17100.00	H	37.39	Ambient	7.26	42.90	-39.55	48.01	-47.19	-27.00	-20.19
	V	37.11	Ambient	7.26	42.90	-39.55	47.73	-47.47	-27.00	-20.47

Test Details	
Manufacturer	Caterpillar Inc
Equipment Under Test	5G Telematics Radio
Model No.	PL645
Part No.	7620.002.905-13
Serial No.	260623016003008D (External Antenna)
Mode	WLAN n-Mode, 40MHz, MCS0, SISO – U-NII-2C
Frequency Tested	5745MHz
Notes	None

