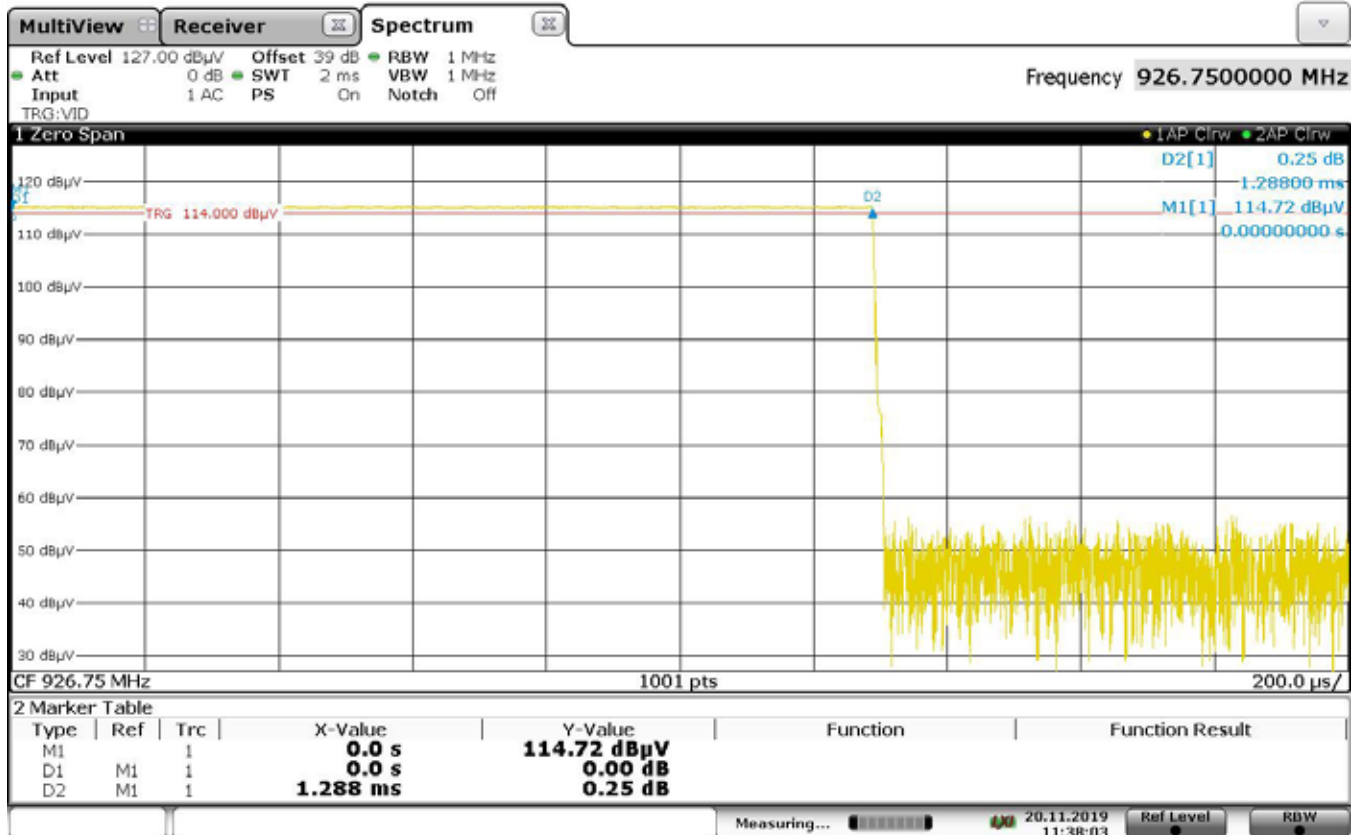


DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Duty Cycle
MODE	Tx
DATE TESTED	November 20, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Burst Duration = 1.288ms

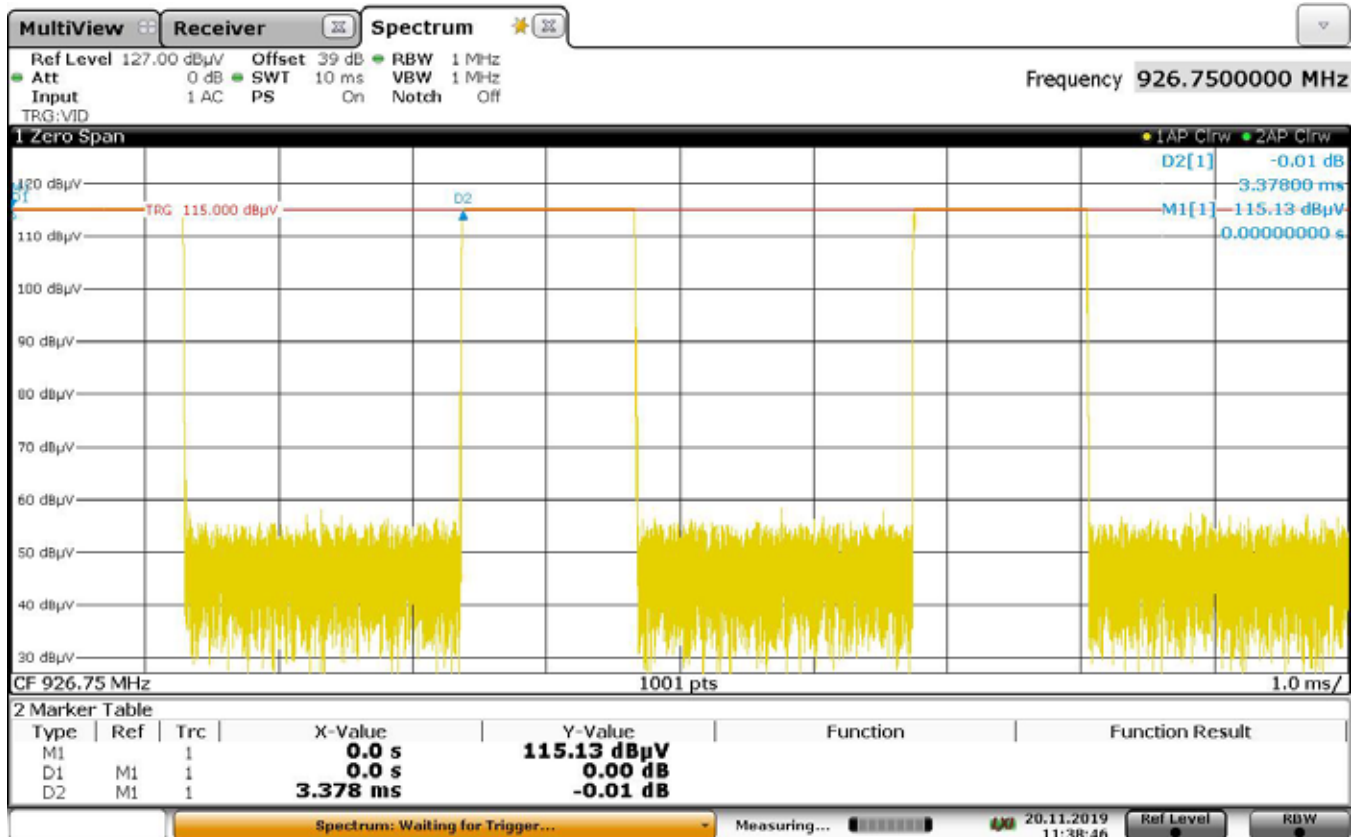
DUTY CYCLE - BURST



11:38:04 20.11.2019

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Duty Cycle
MODE	Tx
DATE TESTED	November 20, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	

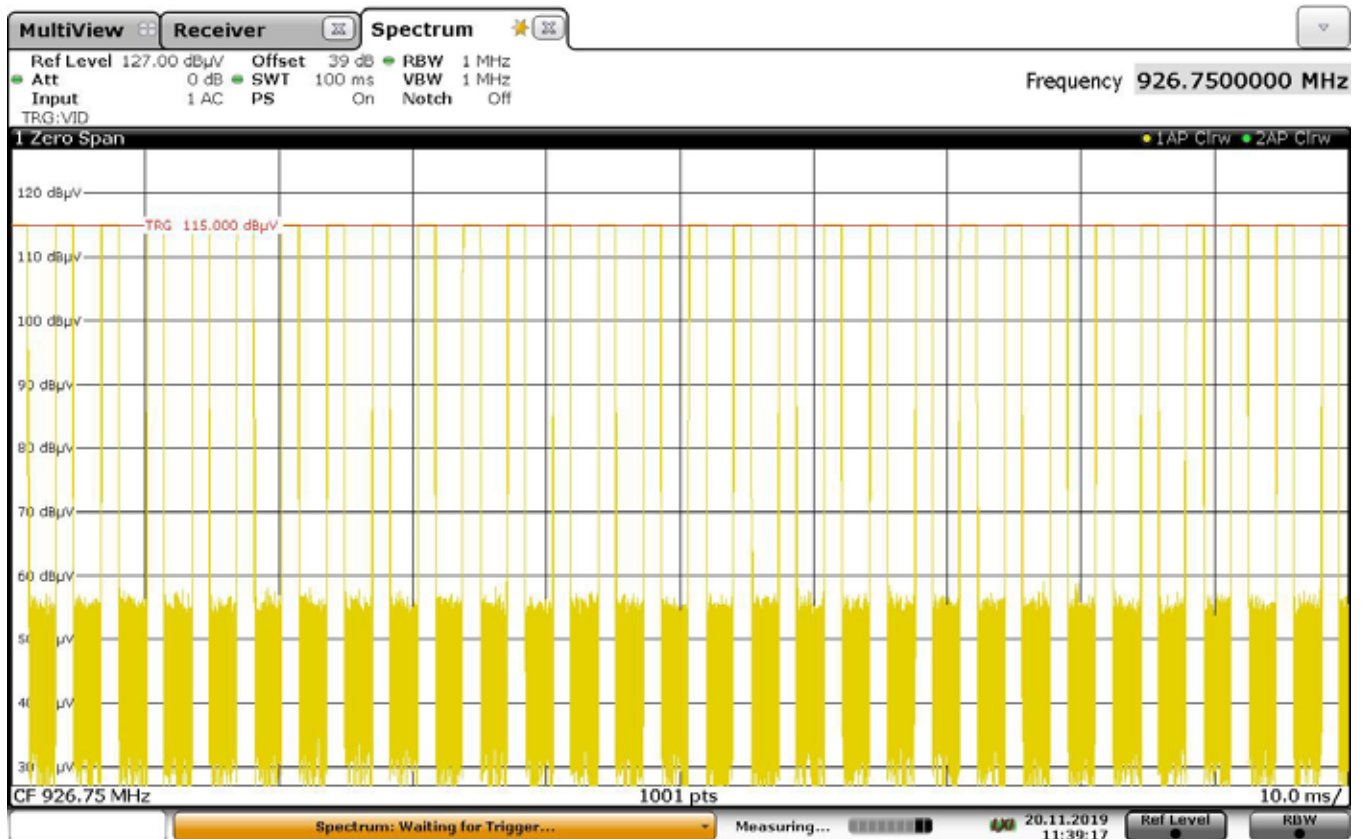
DUTY CYCLE - BURST



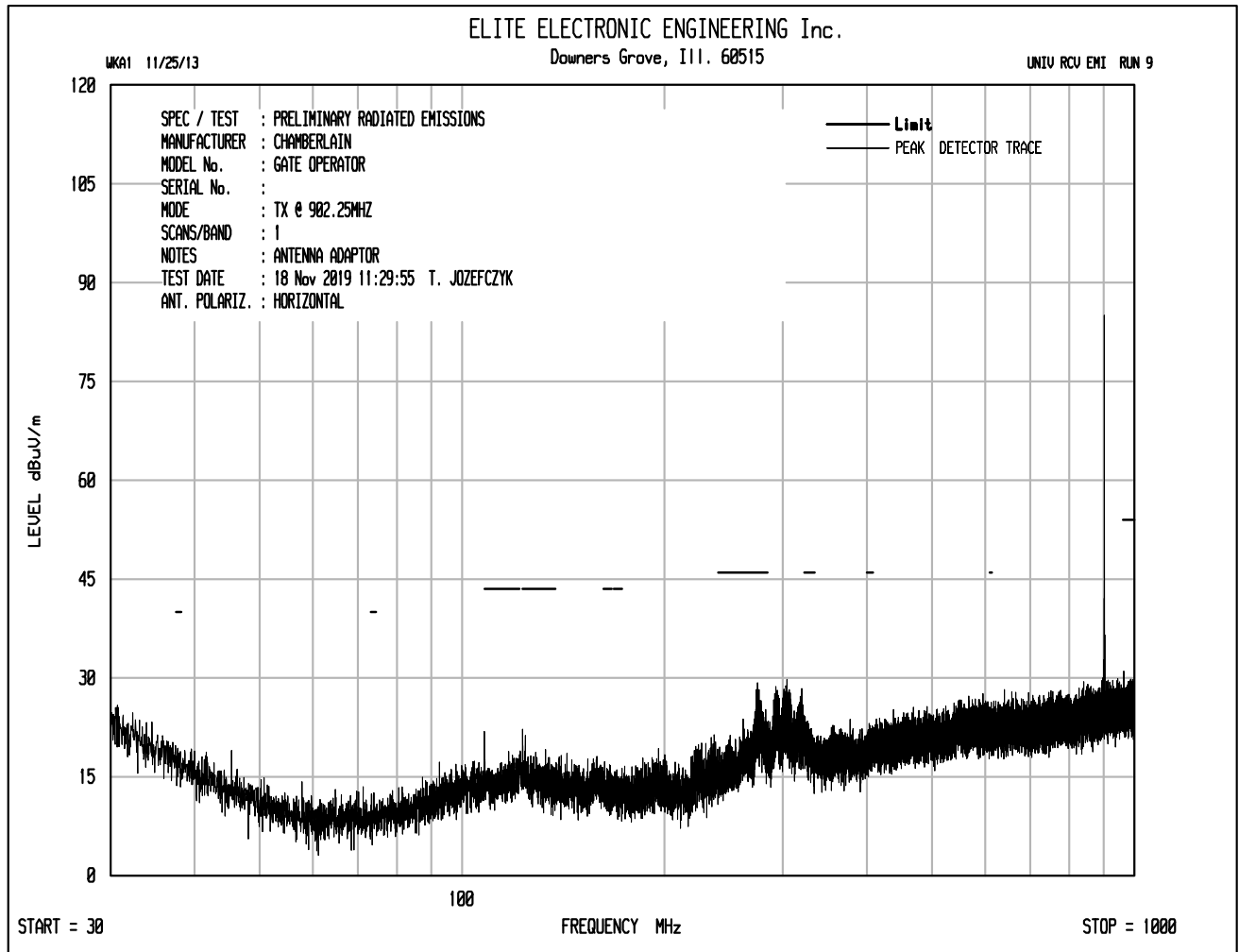
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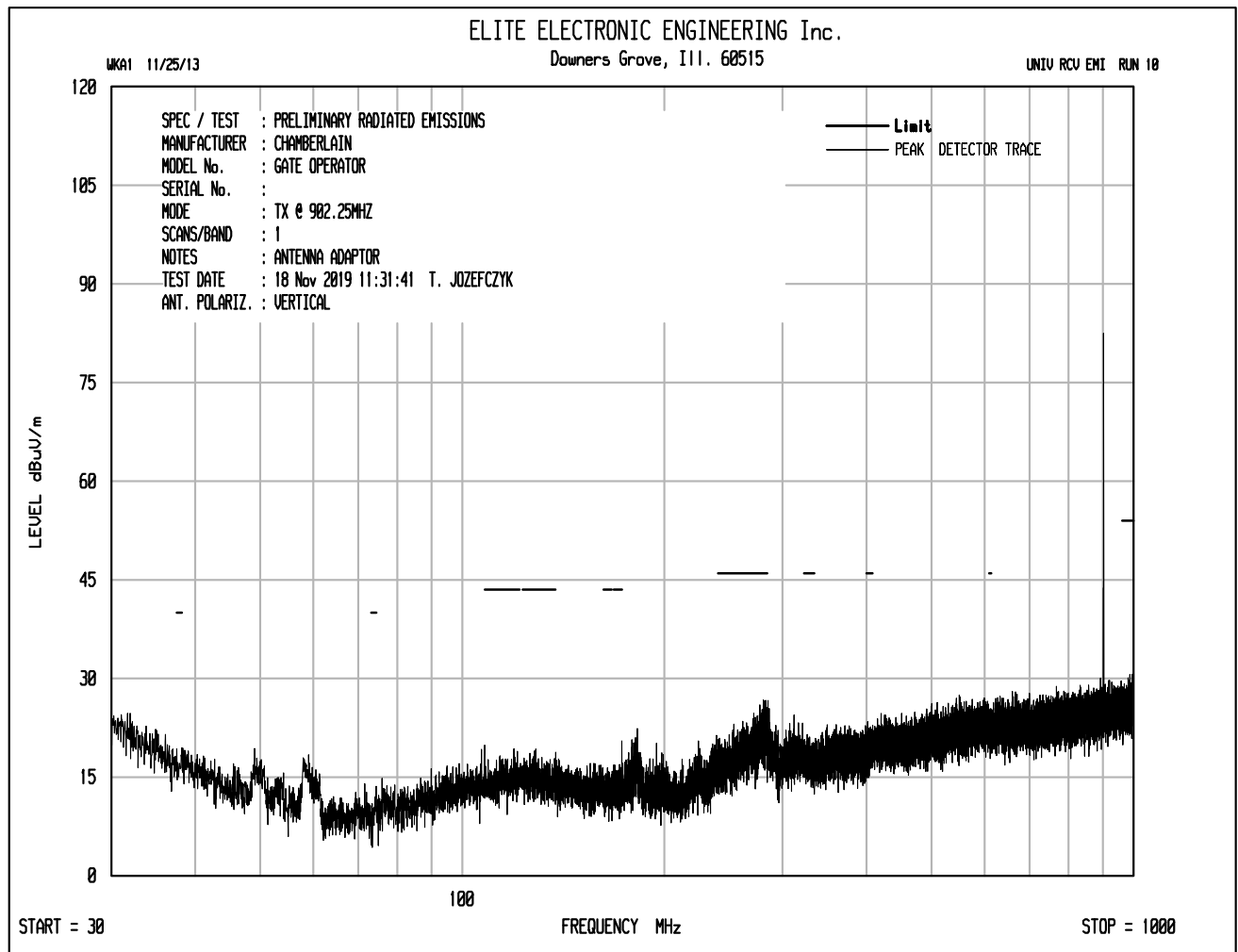
DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Duty Cycle
MODE	Tx
DATE TESTED	November 20, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	$\text{Duty Cycle} = 20\log\left(\frac{(\# \text{ of bursts}) \times (\text{burst duration})}{100\text{ms}}\right)$ $= 20\log\left(\frac{(30) \times (1.288\text{ms})}{100\text{ms}}\right)$ $= 20\log(-0.41296) = -8.259\text{dB}$

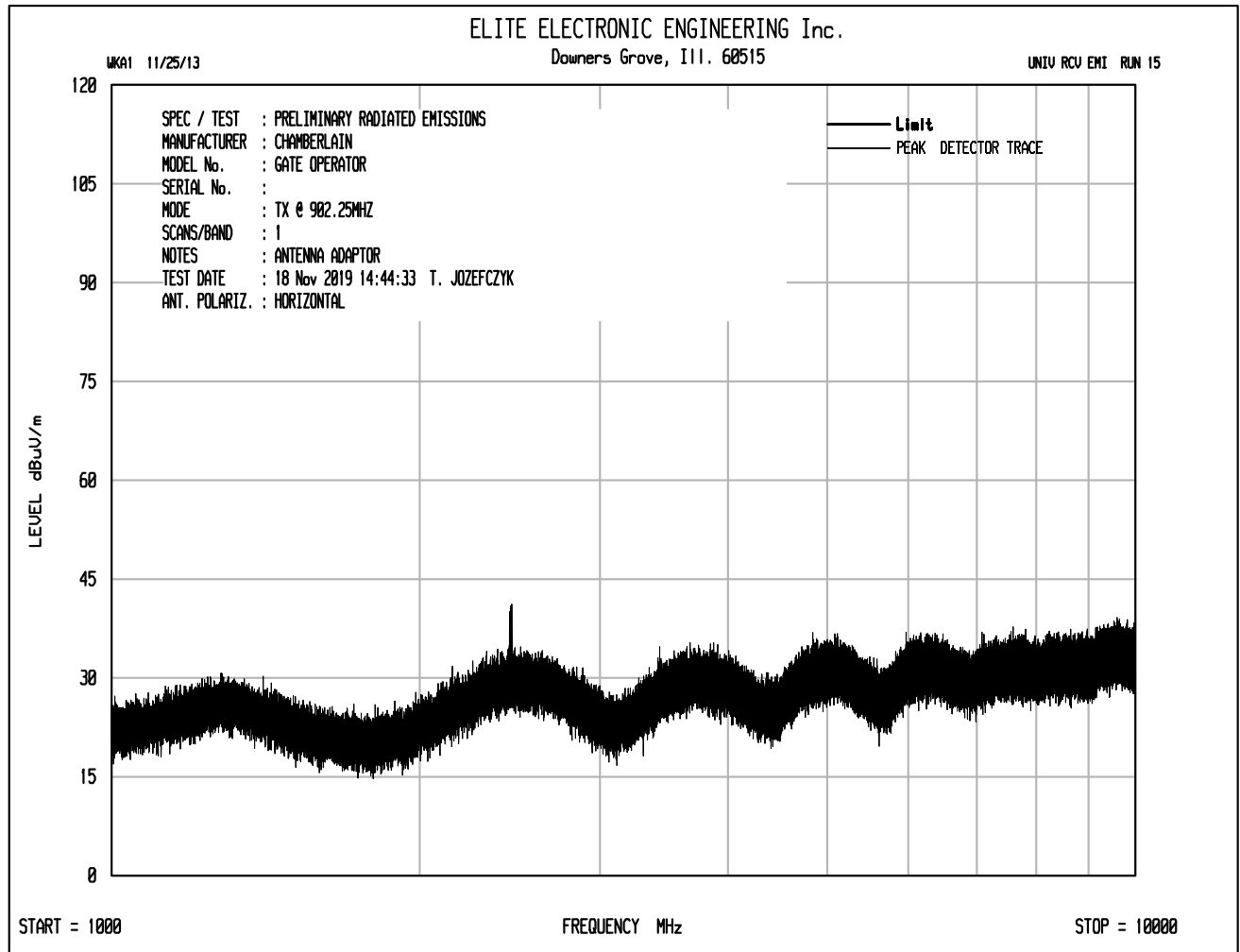
DUTY CYCLE

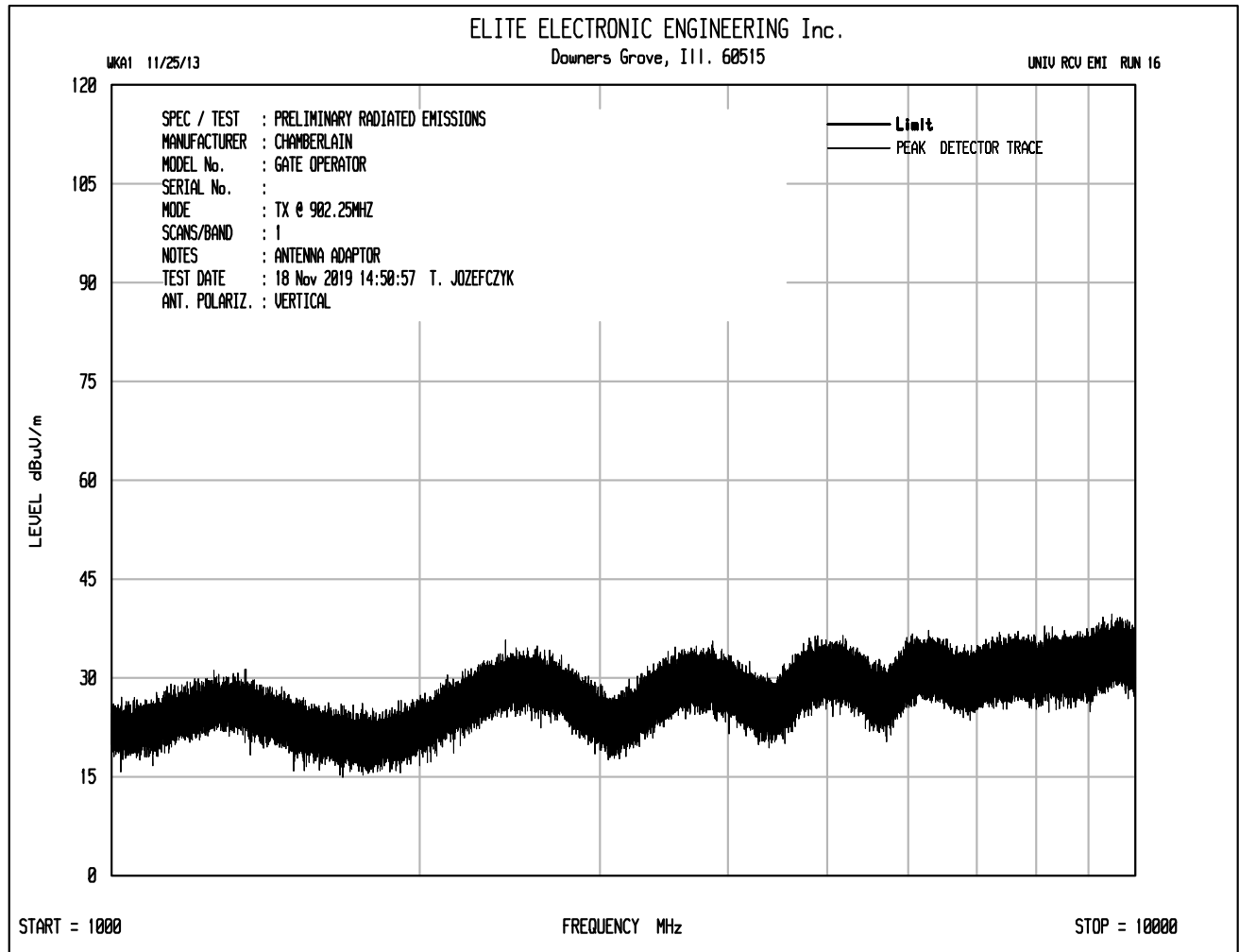


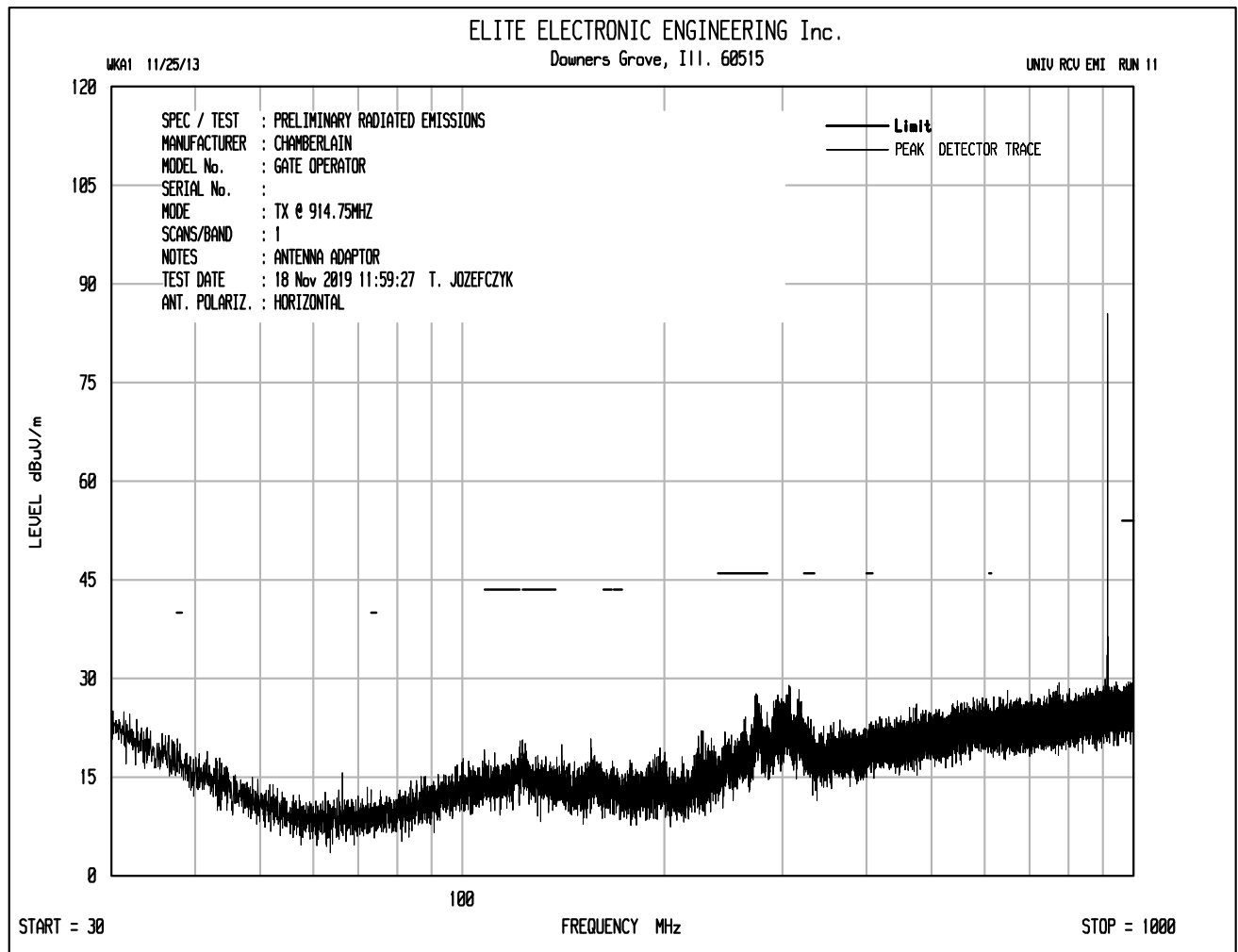
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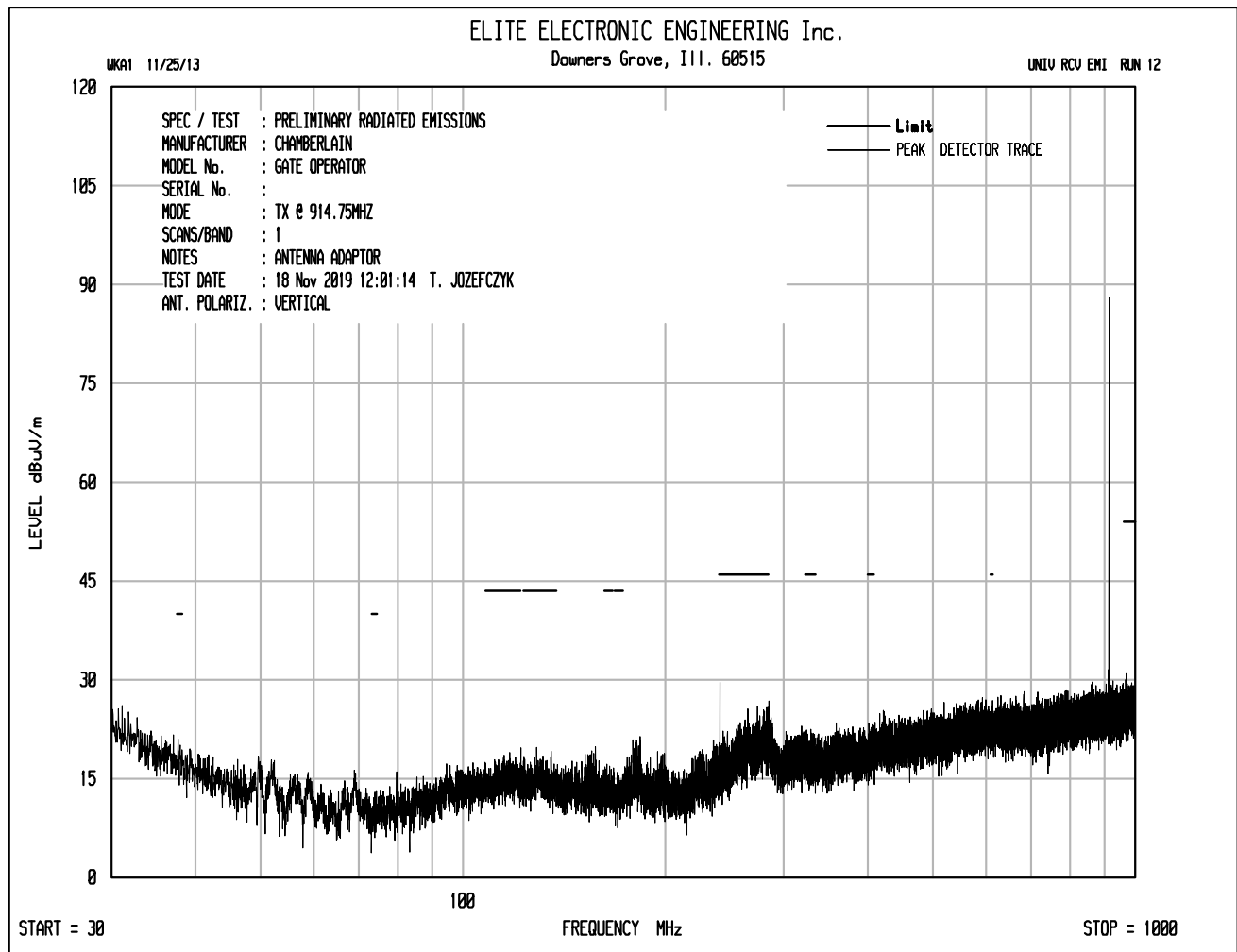


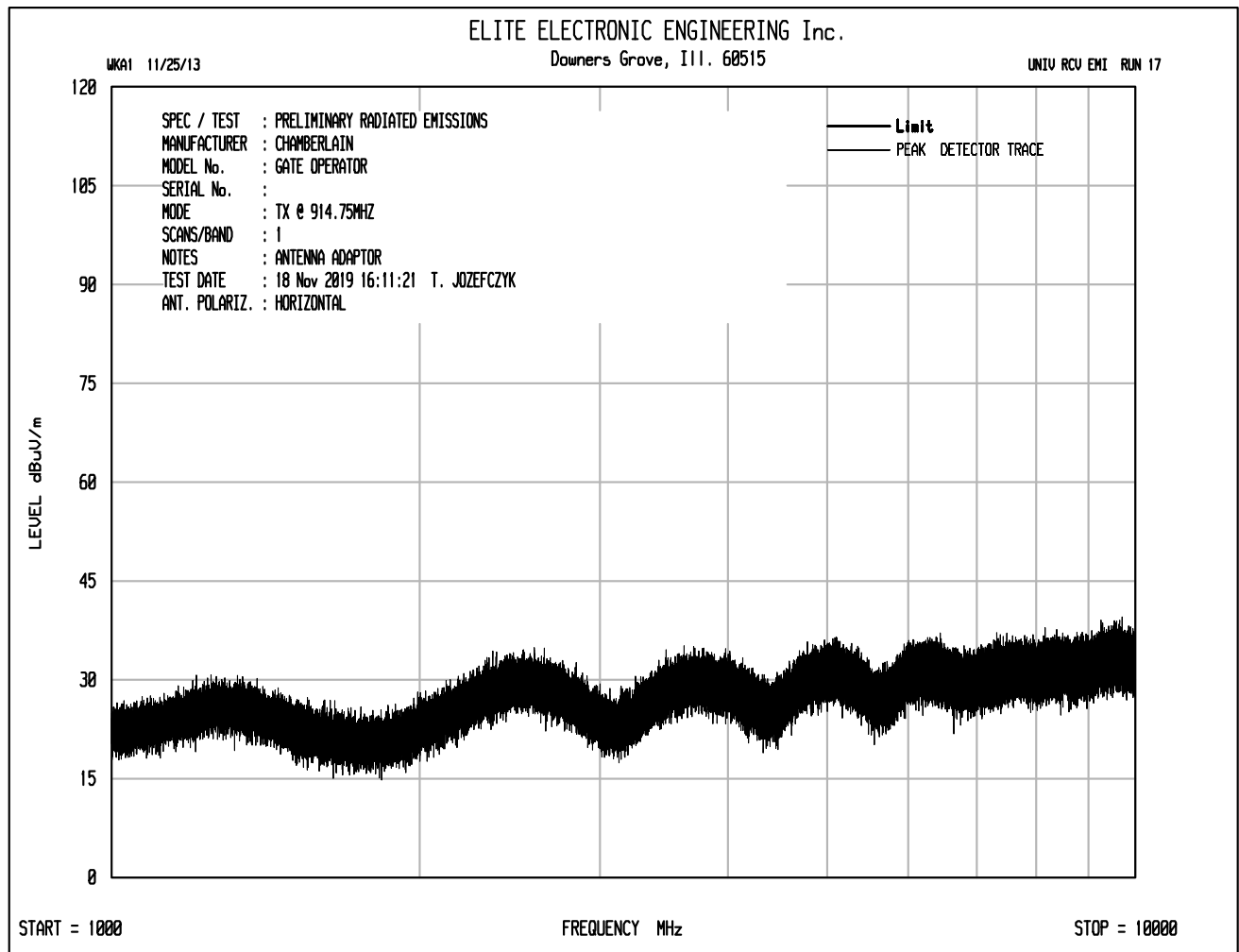


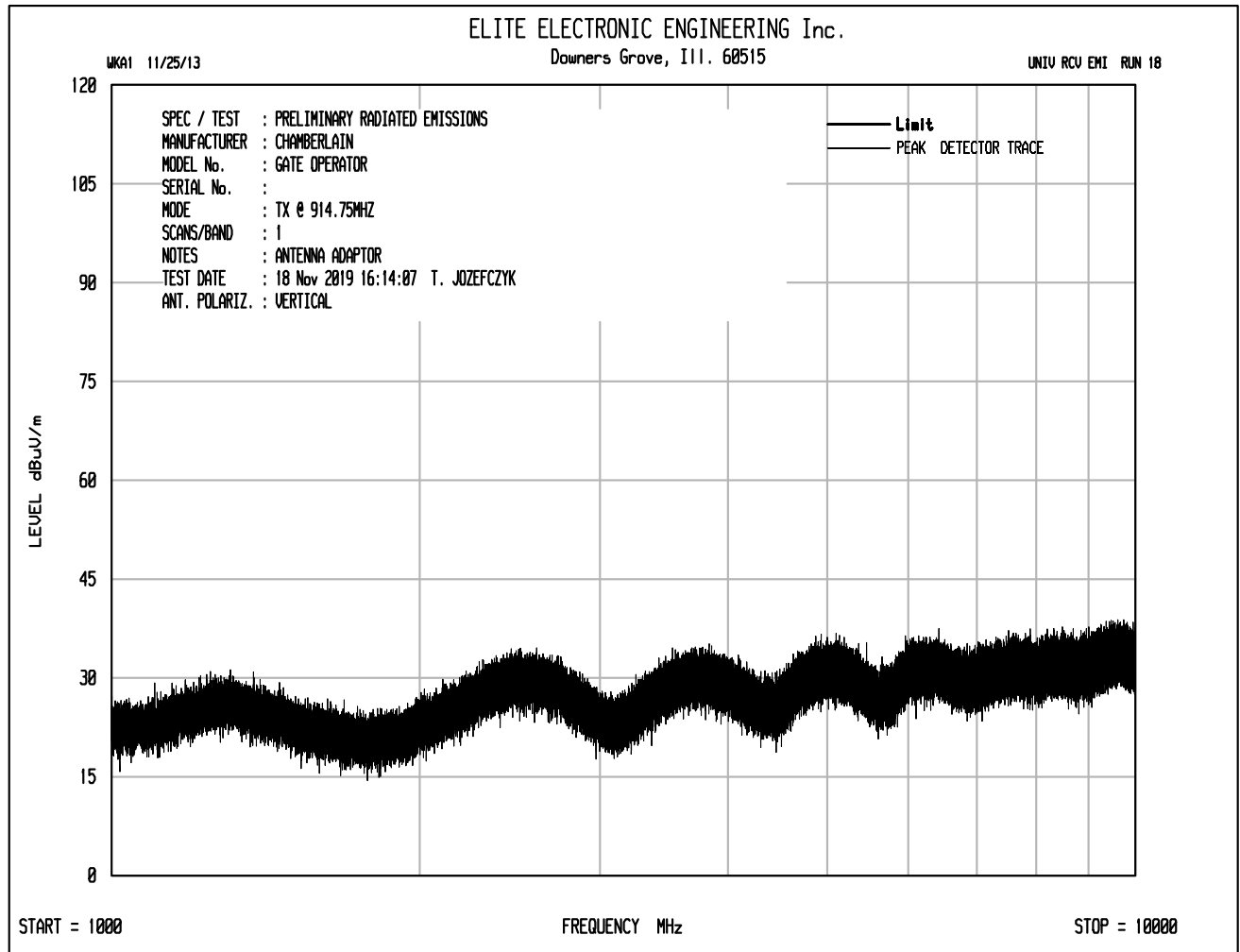


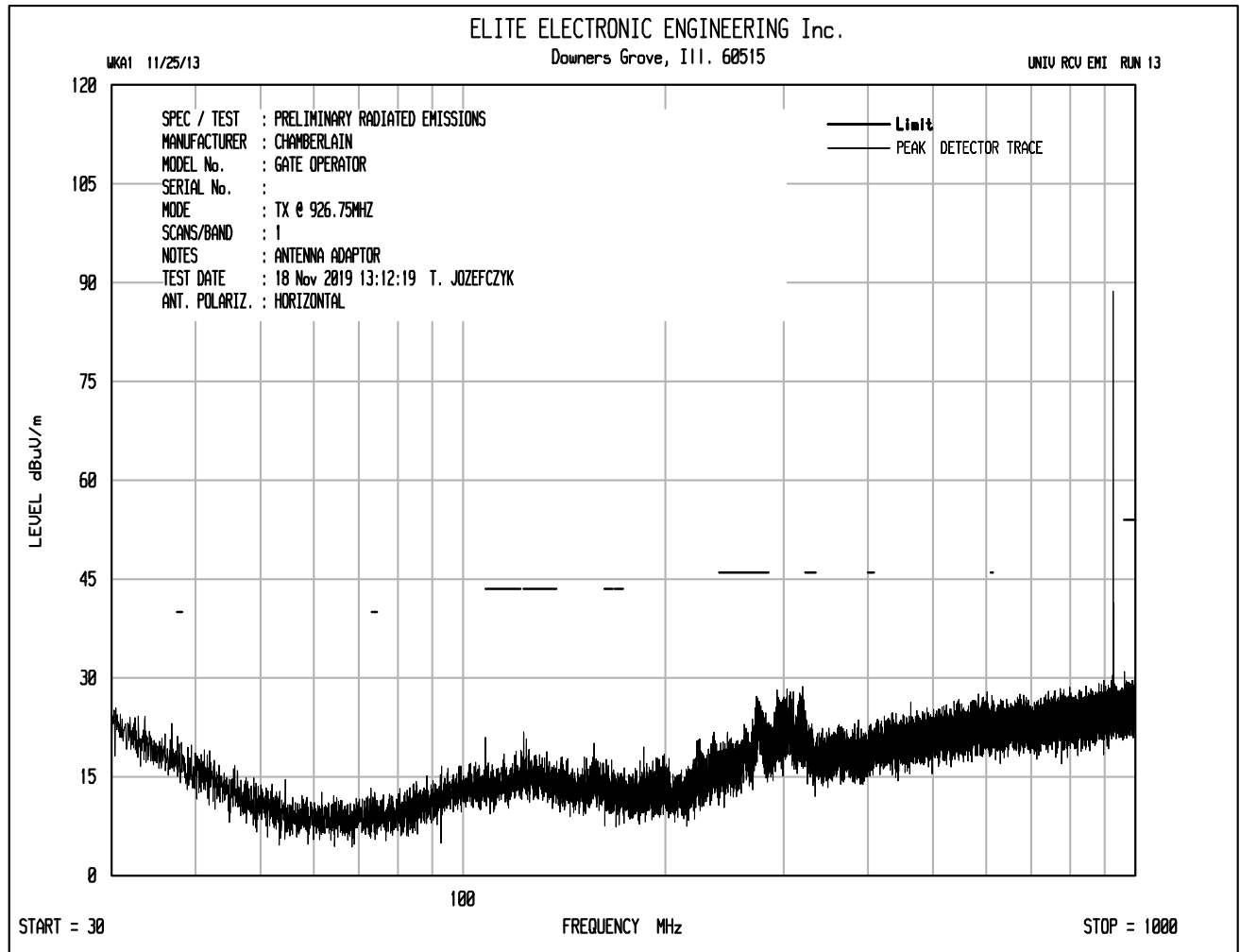


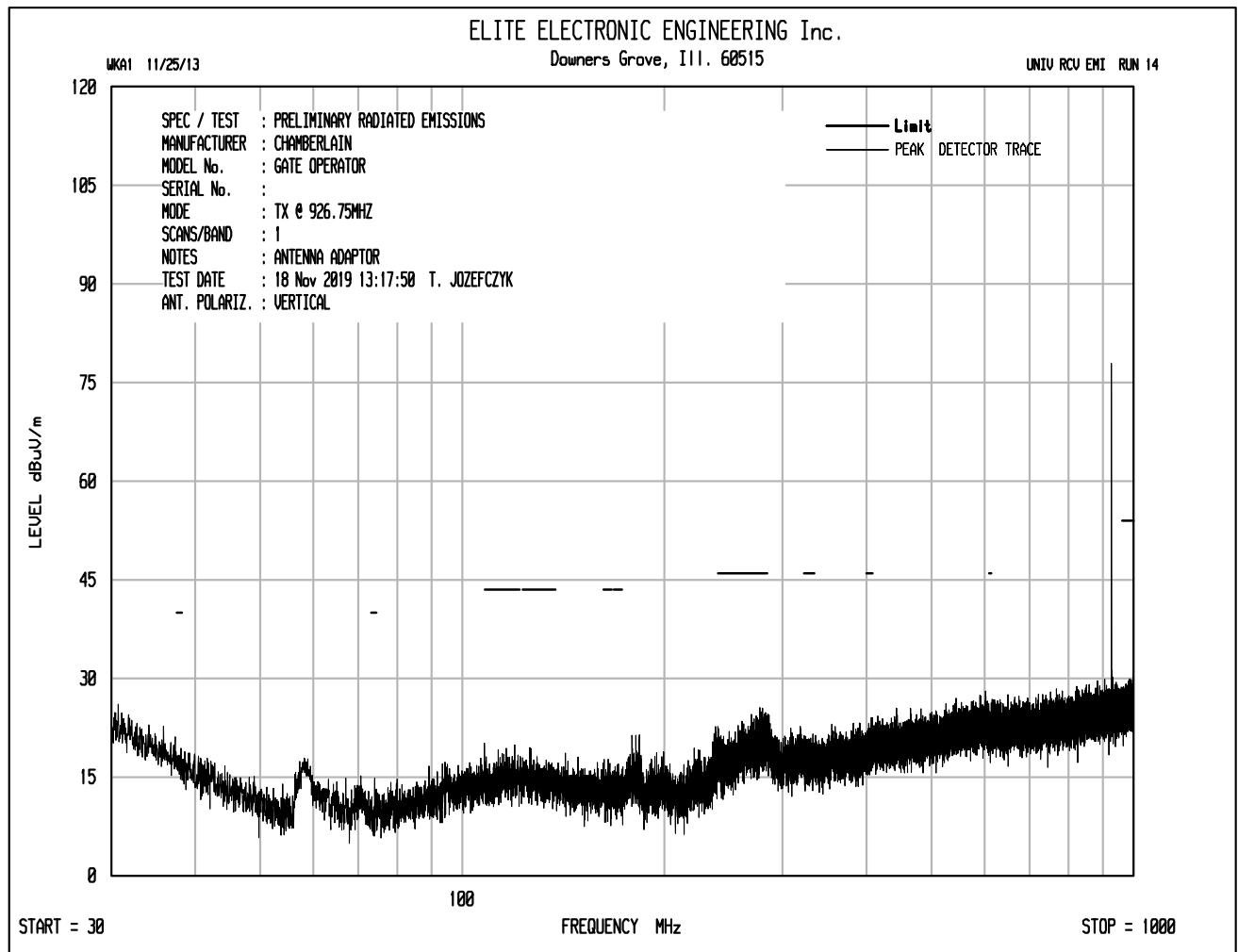


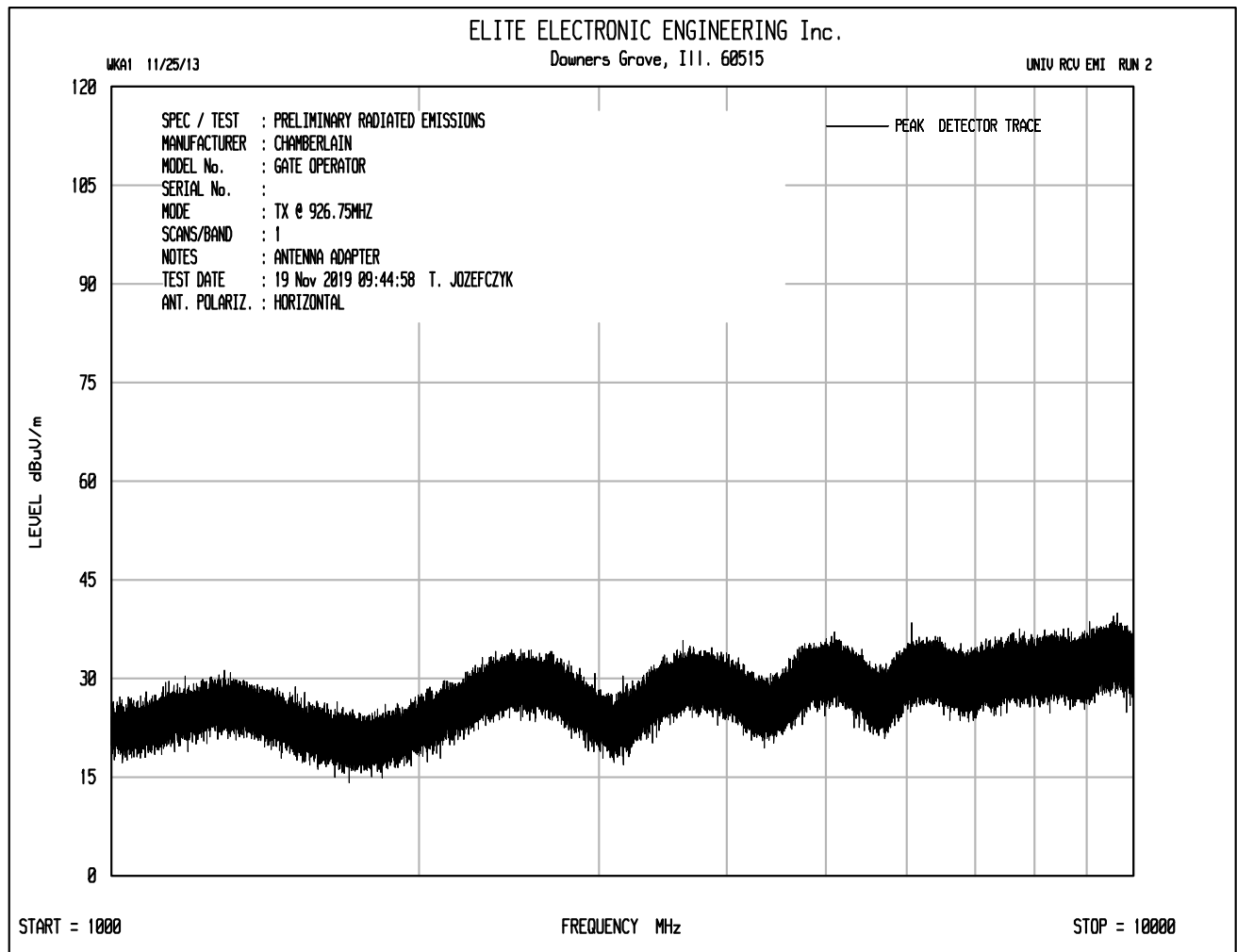


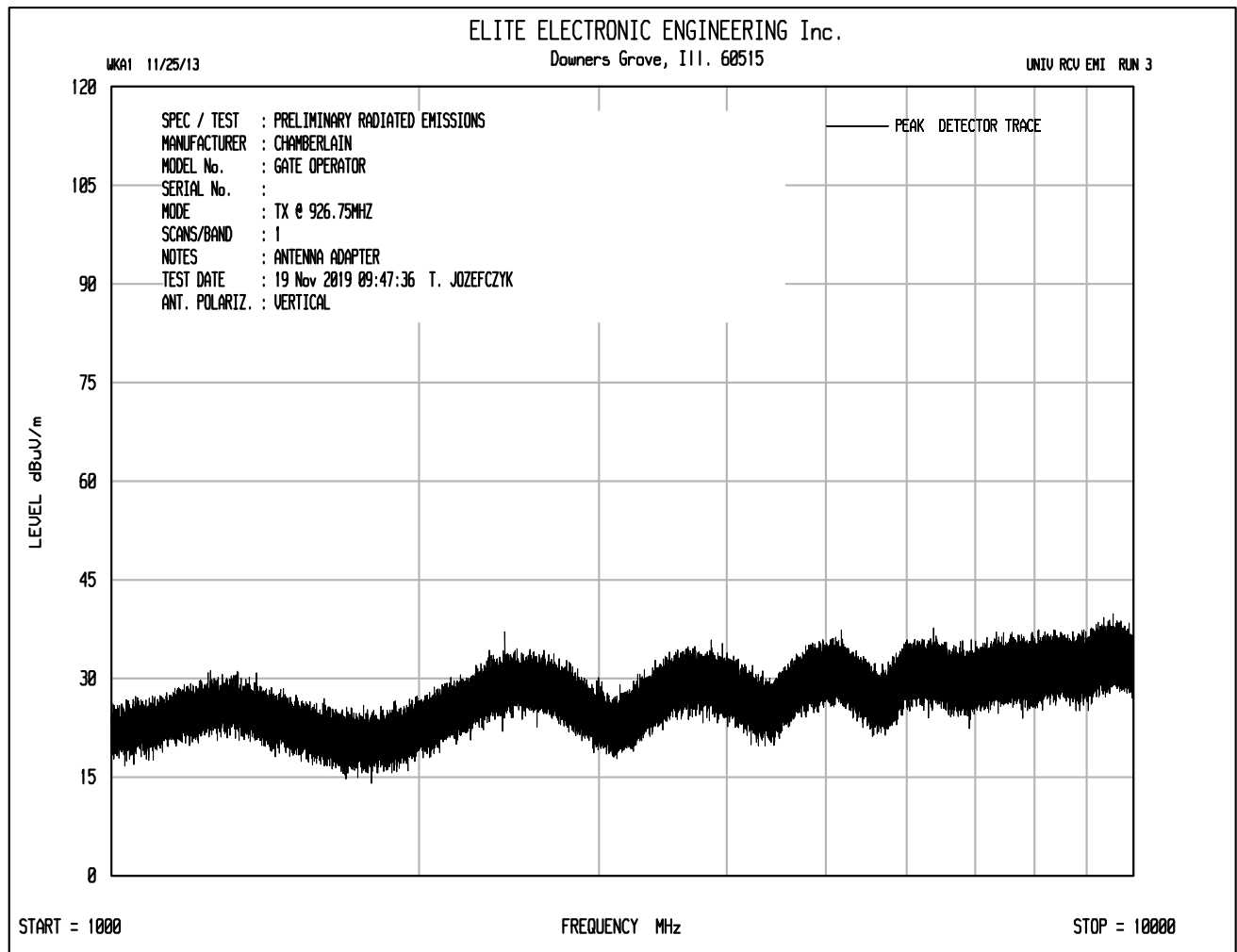


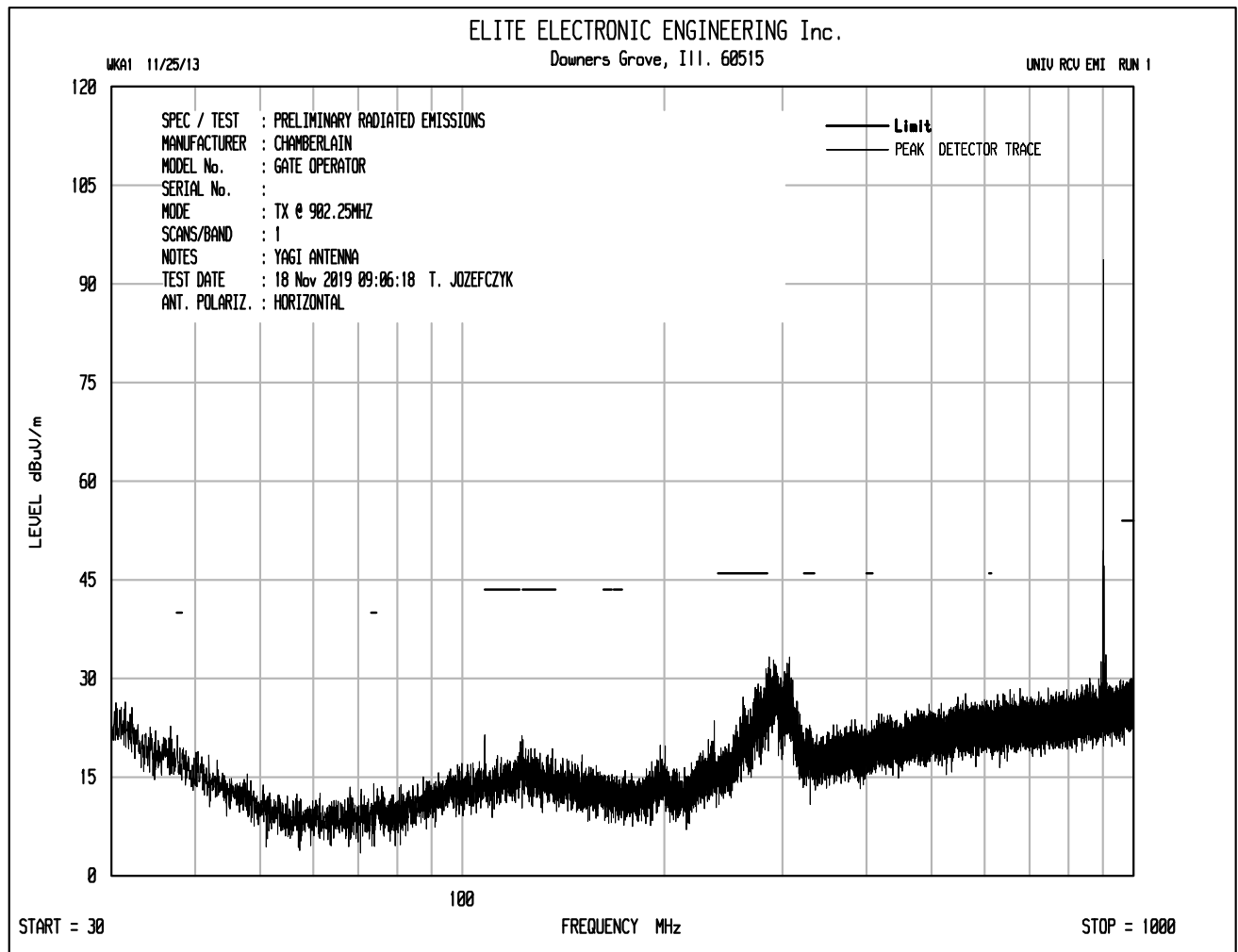


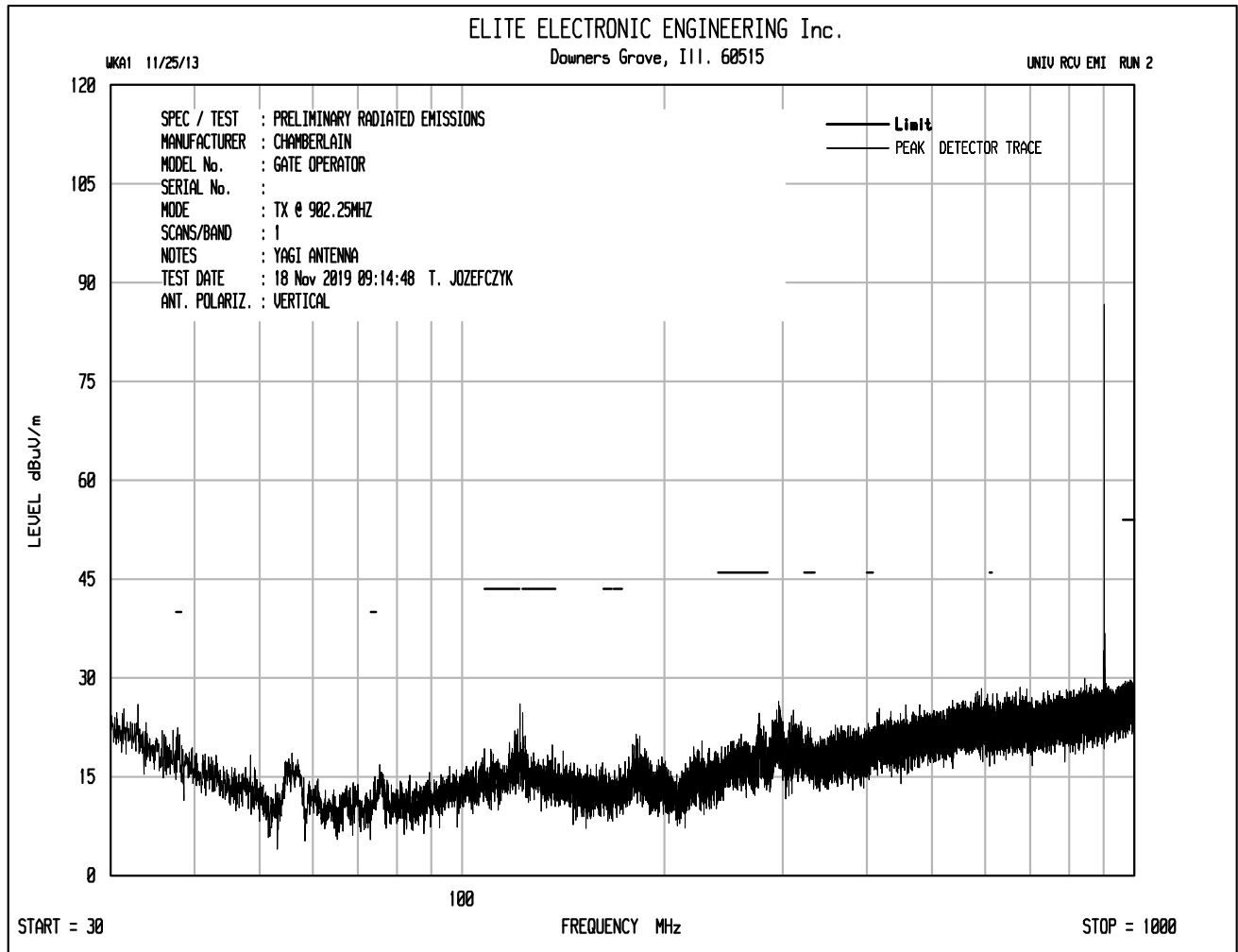


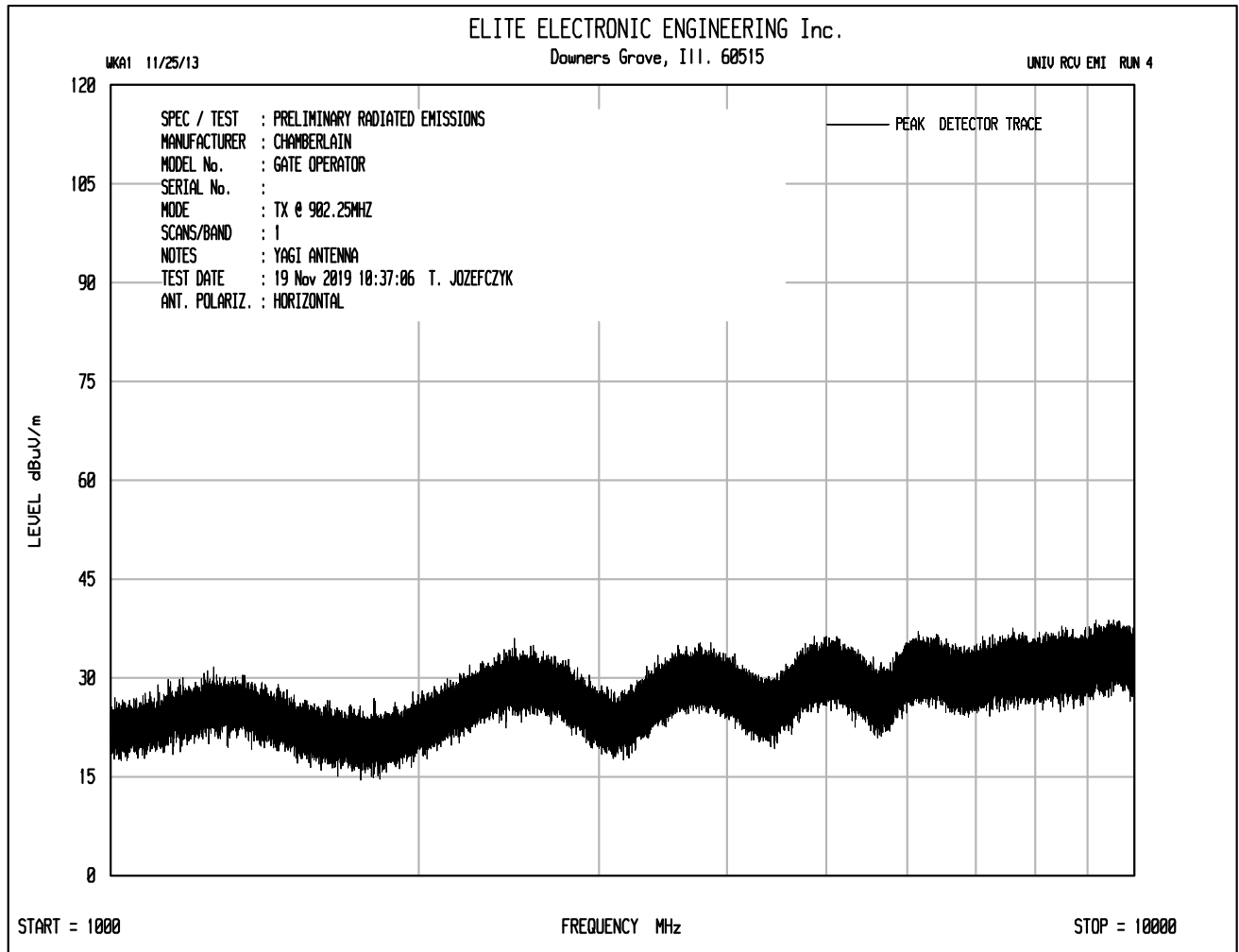


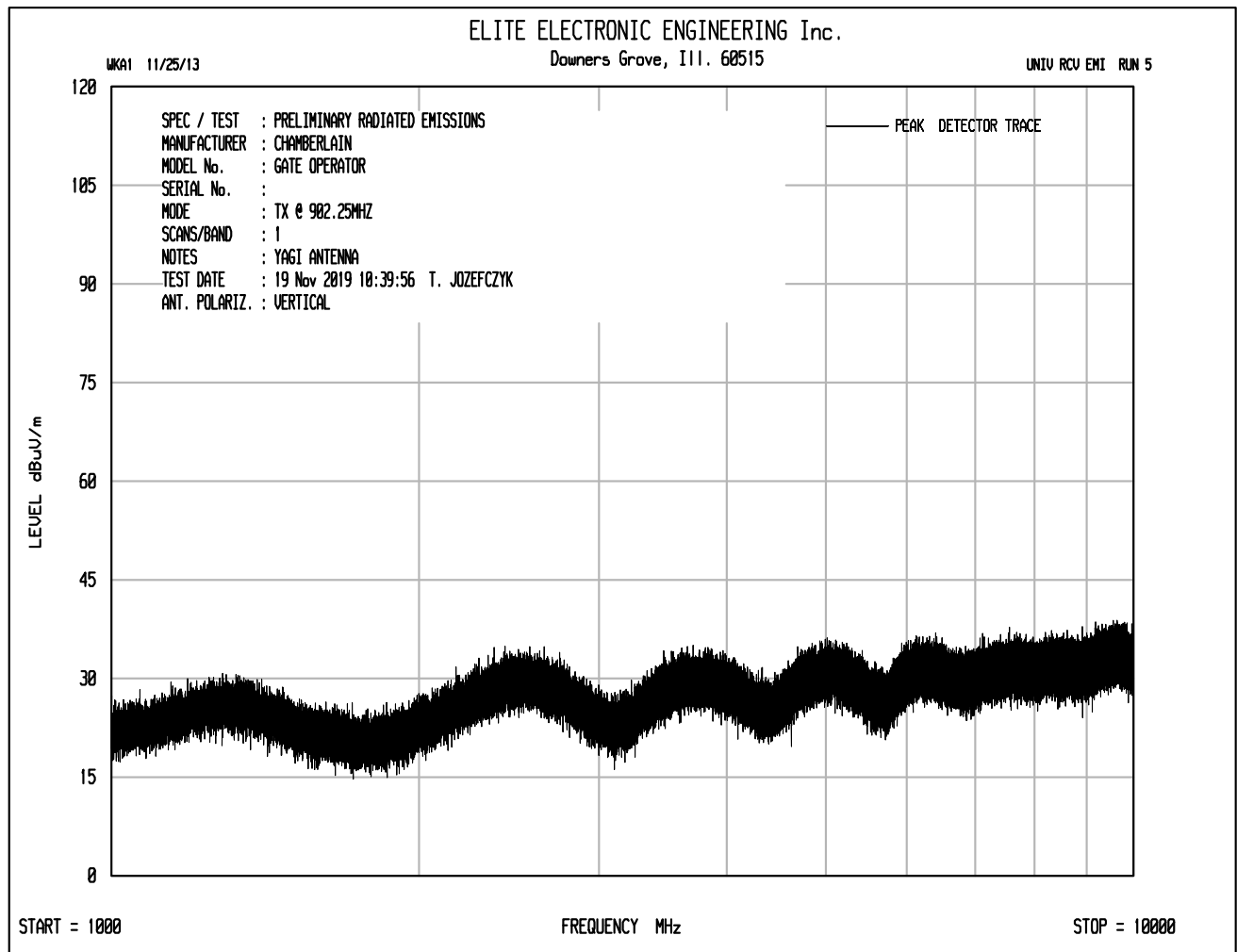


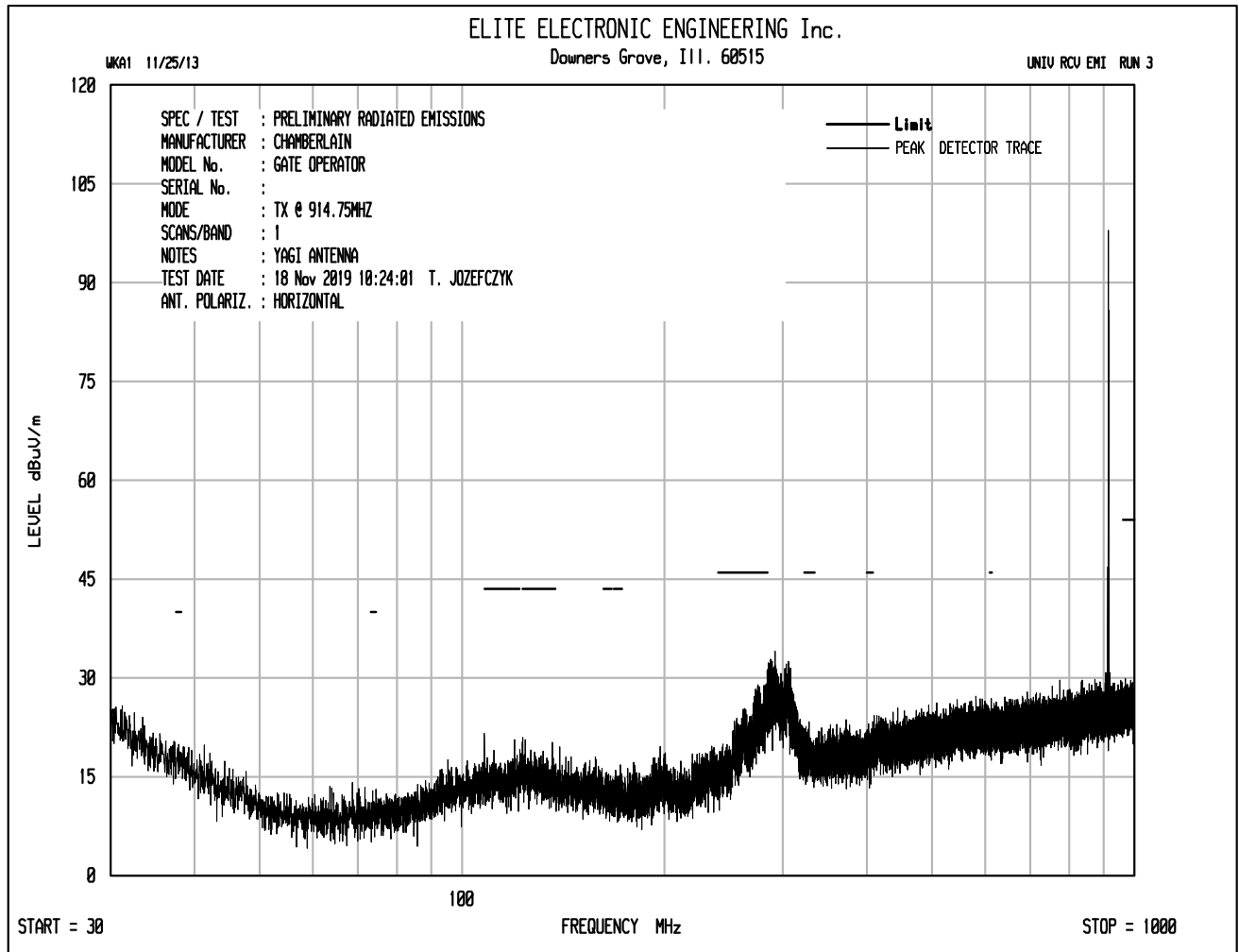


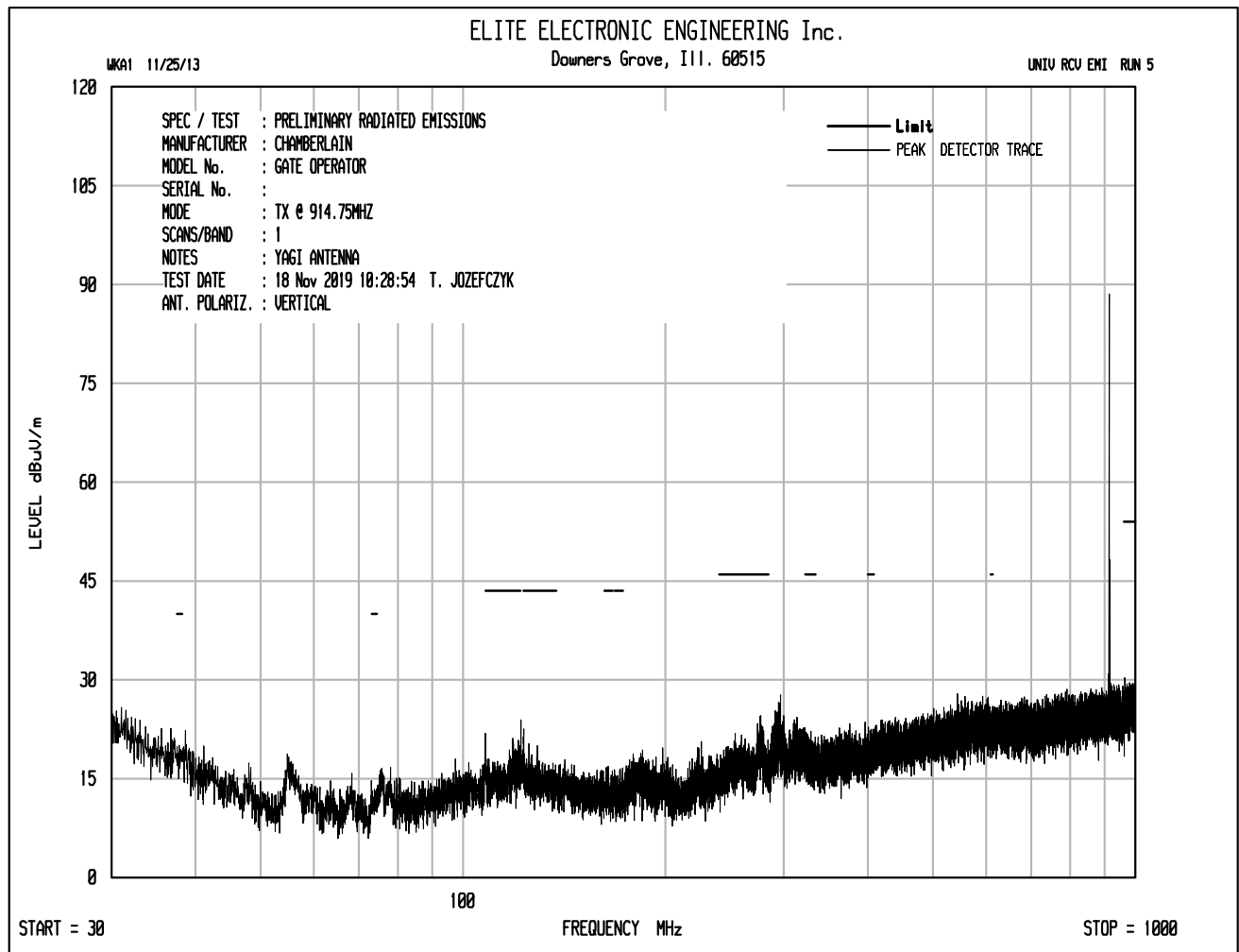


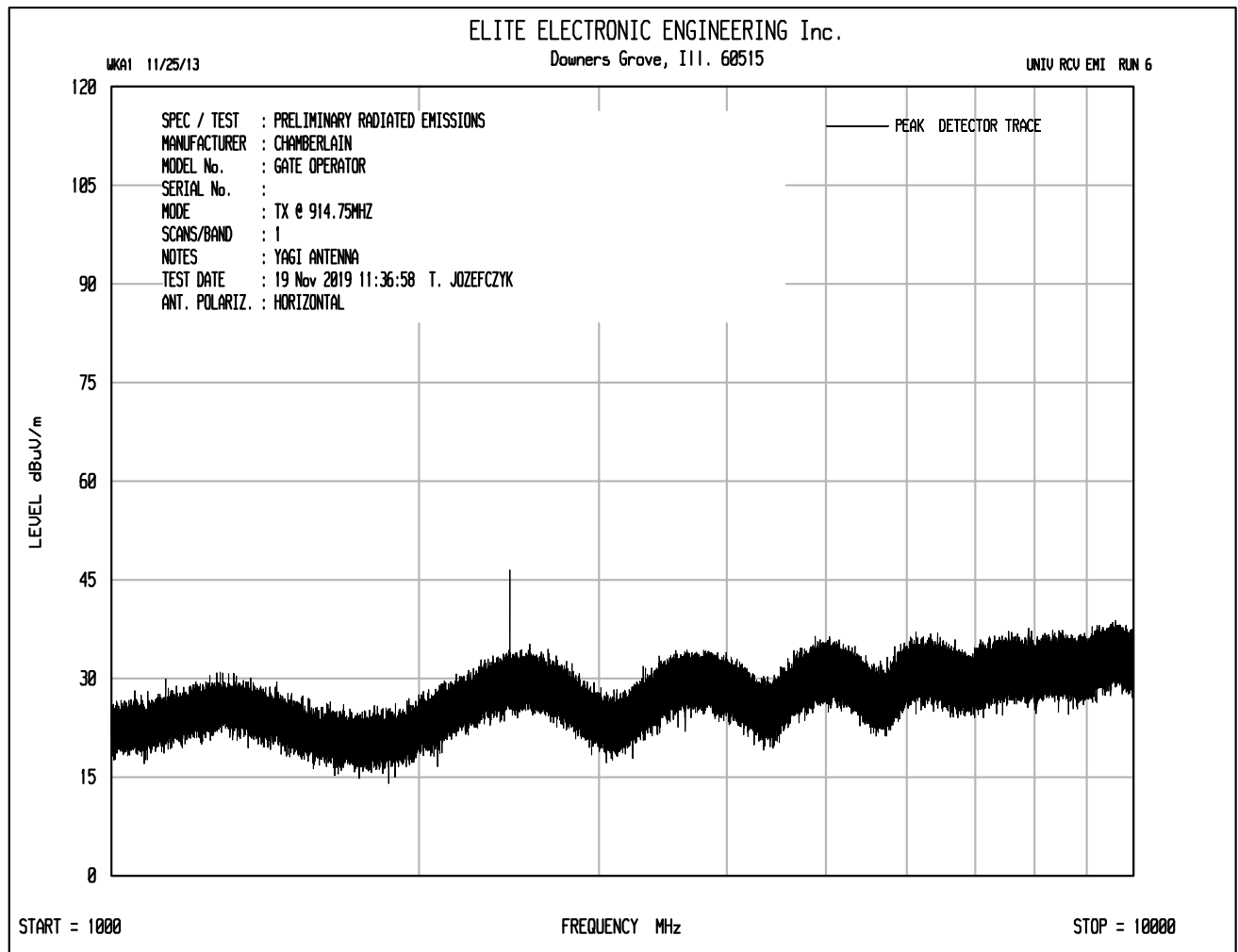


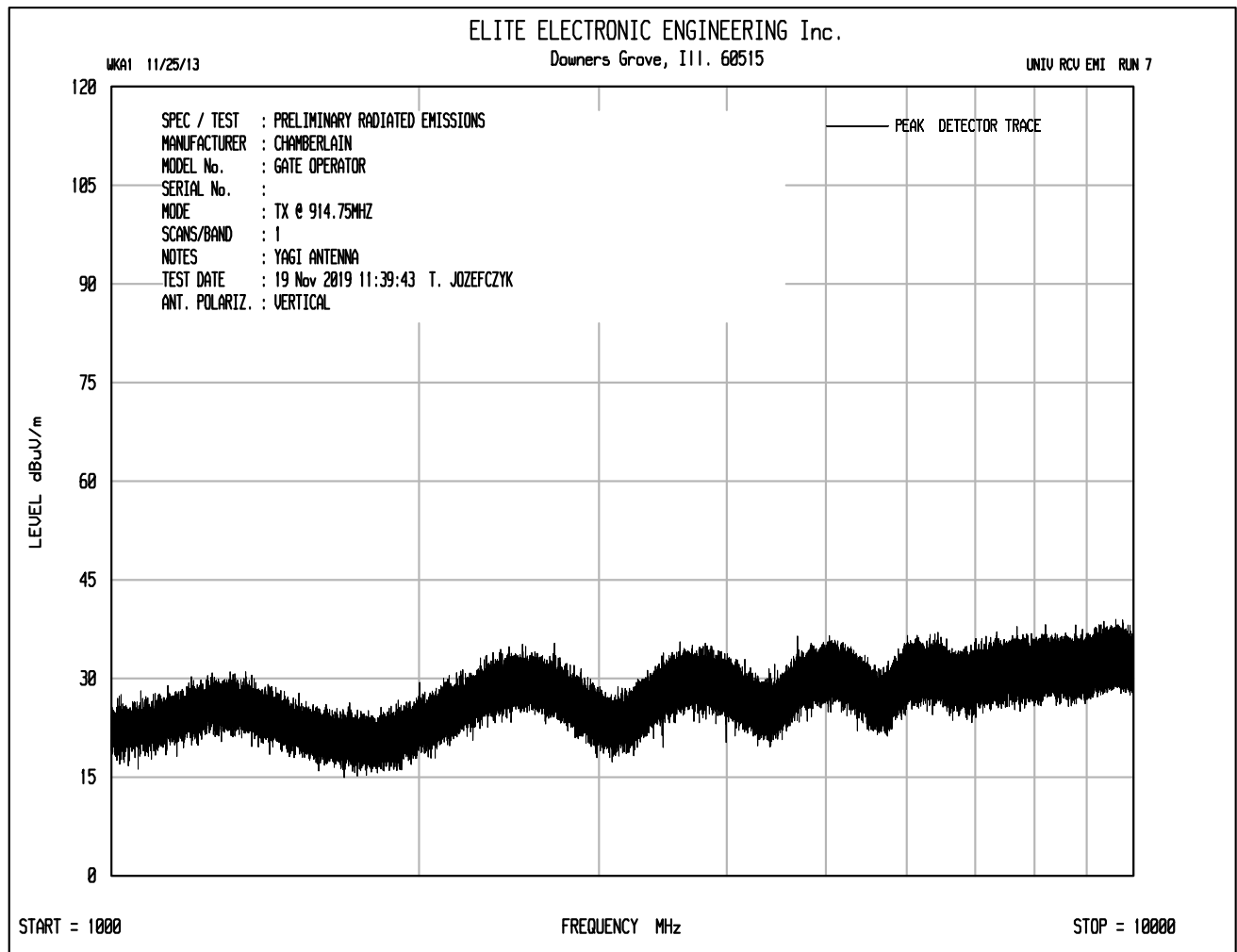


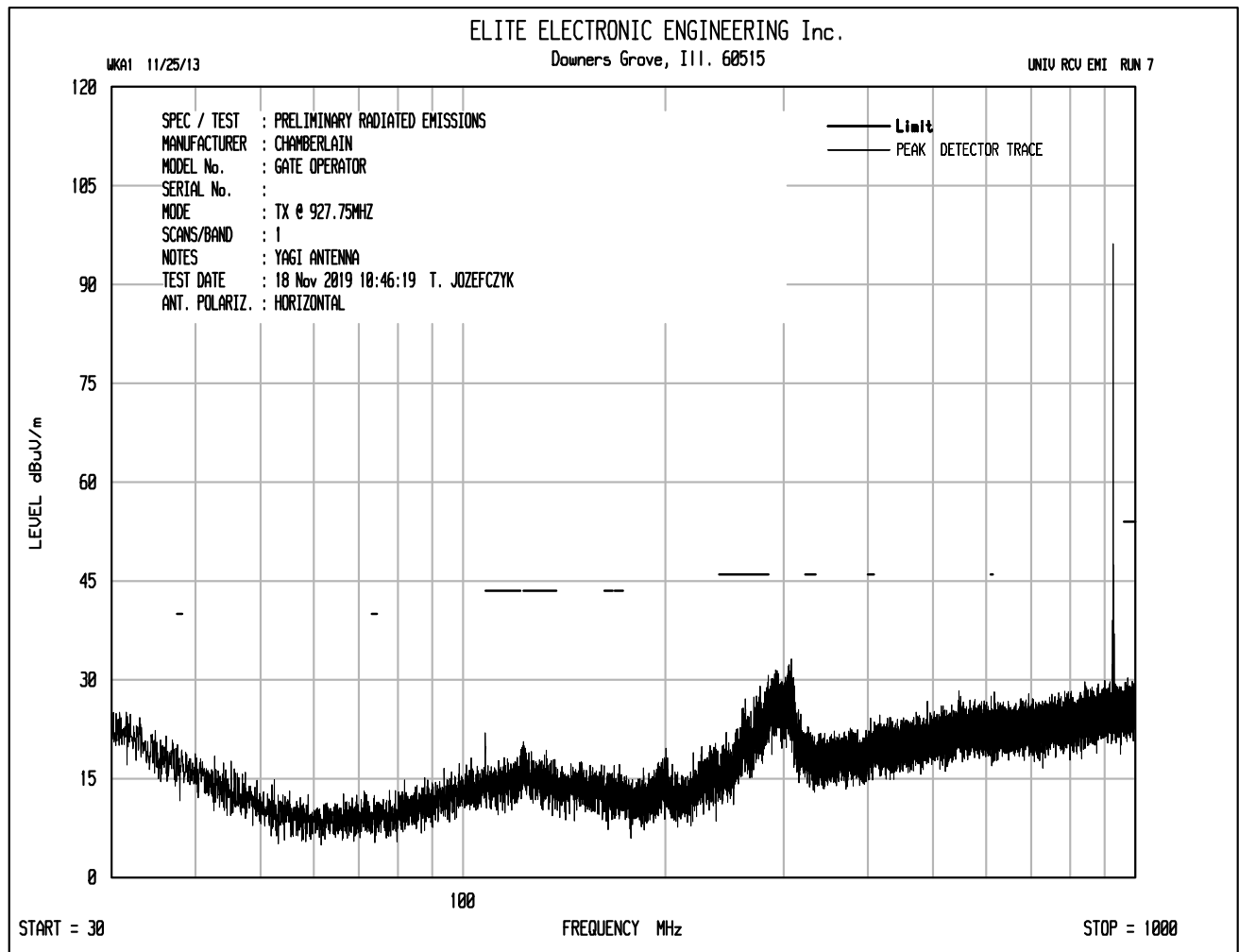


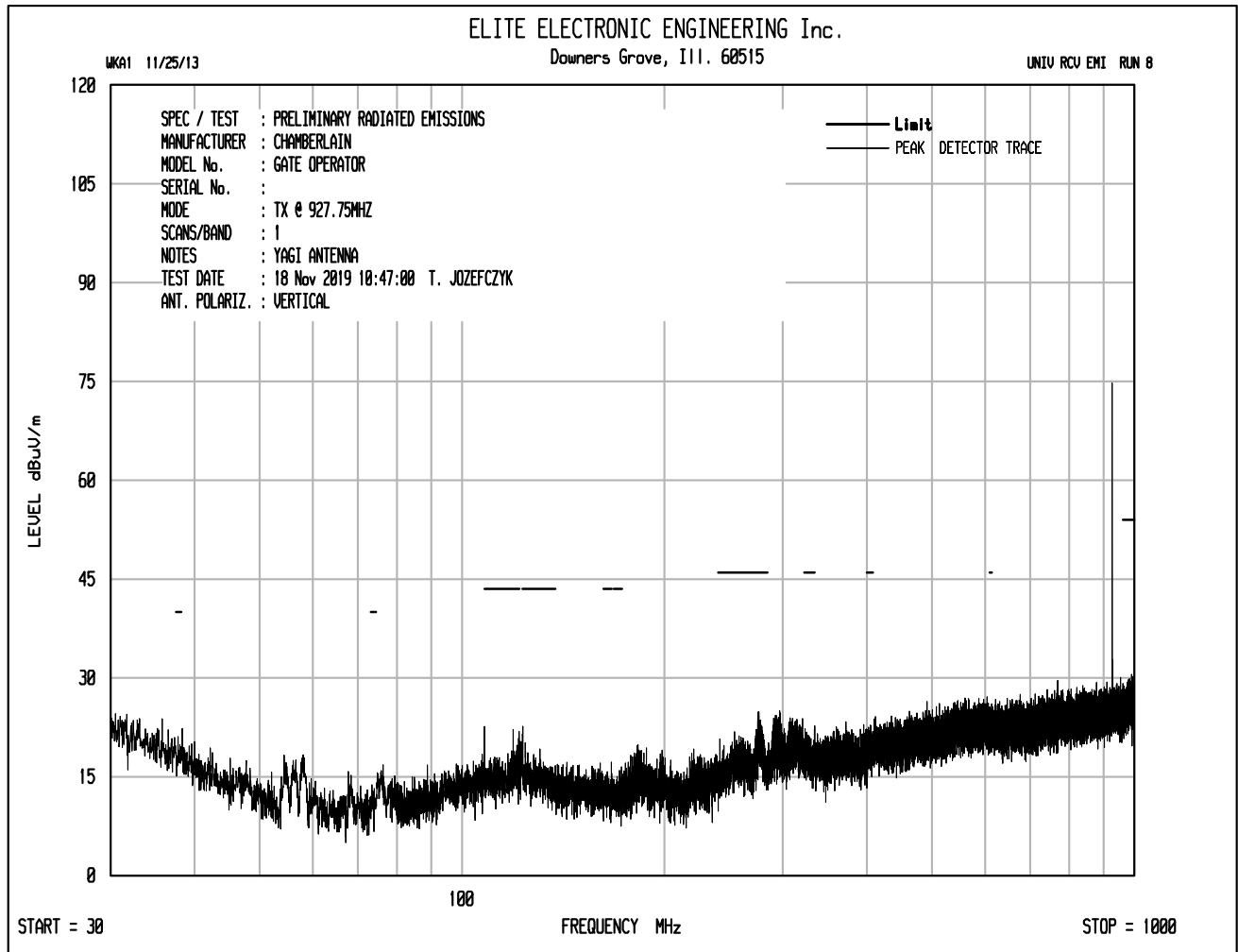


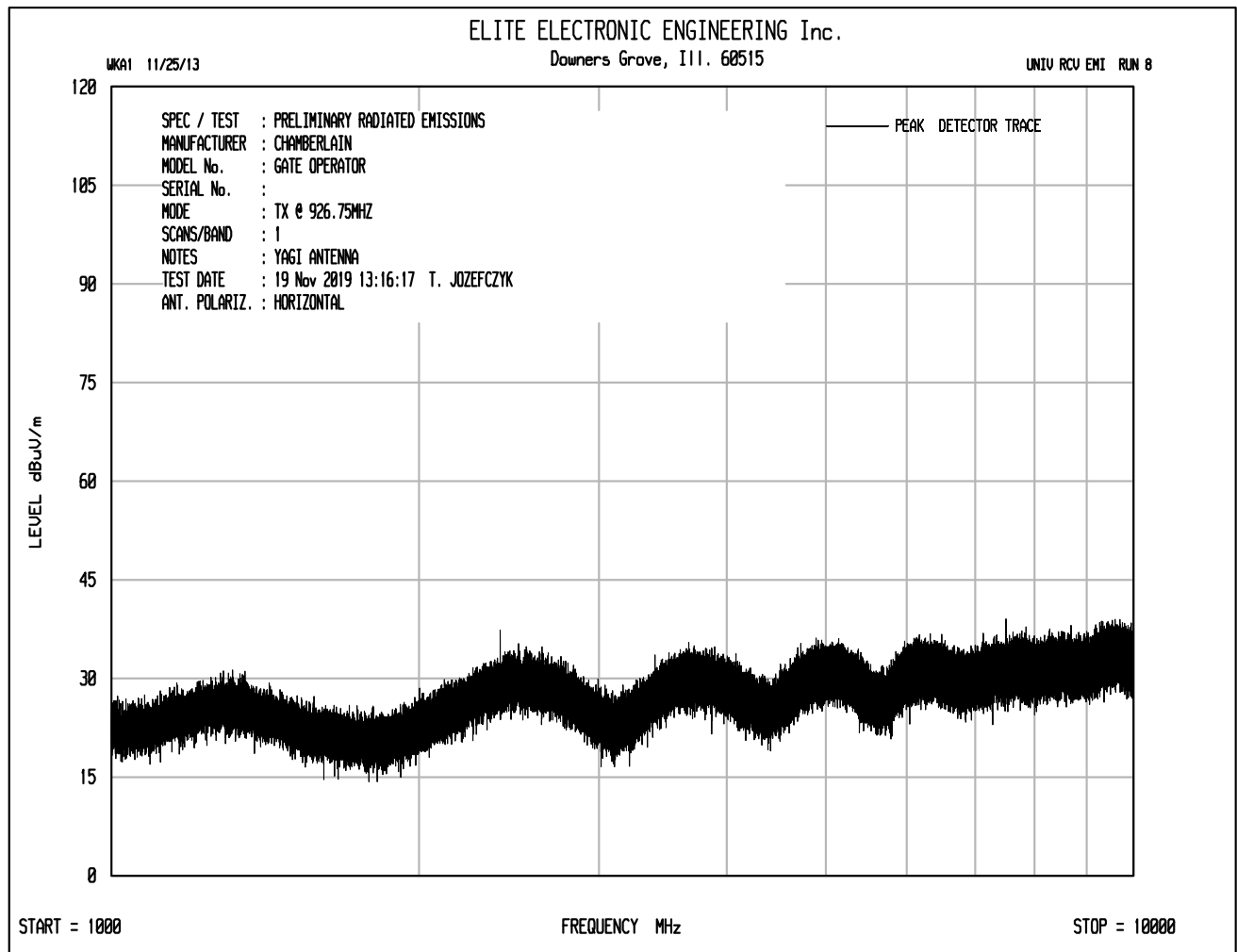


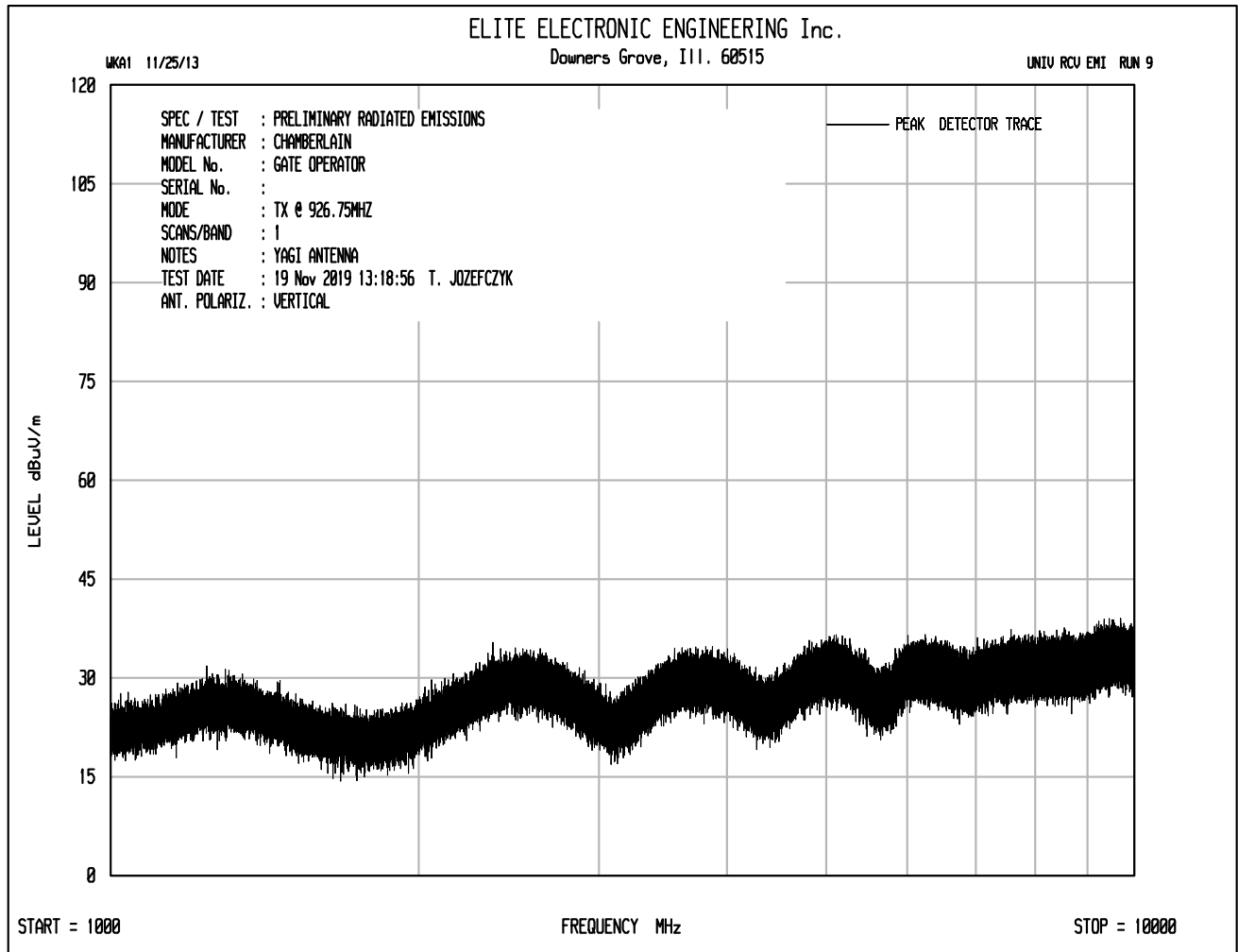












DATA PAGE

MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Non-Restricted Bands
MODE	Tx – 902.25MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Antenna Adaptor

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
902.25	H	68.20		2.88	26.70	0.00	97.78	77460.88		
902.25	V	71.36		2.88	26.70	0.00	100.94	111450.60		
1804.50	H	37.34	Ambient	3.25	30.61	-40.03	31.17	36.19	11145.06	-49.77
1804.50	V	36.58	Ambient	3.25	30.61	-40.03	30.41	33.16	11145.06	-50.53
6315.75	H	50.99		5.53	35.39	-39.40	52.51	422.12	11145.06	-28.43
6315.75	V	48.95		5.53	35.39	-39.40	50.47	333.76	11145.06	-30.47
7218.00	H	40.12	Ambient	5.88	35.57	-39.42	42.15	128.13	11145.06	-38.79
7218.00	V	39.58	Ambient	5.88	35.57	-39.42	41.61	120.40	11145.06	-39.33
902.00	H	42.53		2.88	26.70	0.00	72.11	4032.26	11145.06	-8.83
902.00	V	46.10		2.88	26.70	0.00	75.68	6082.03	11145.06	-5.26

DATA PAGE

MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Restricted Bands
MODE	Tx – 902.25MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Antenna Adaptor

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
2706.75	H	54.48		3.68	32.49	-39.77	50.88	349.94	5000.00	-23.10
2706.75	V	53.18		3.68	32.49	-39.77	49.58	301.29	5000.00	-24.40
3609.00	H	52.29	Ambient	4.76	32.97	-39.20	50.82	347.49	5000.00	-23.16
3609.00	V	52.39	Ambient	4.76	32.97	-39.20	50.92	351.51	5000.00	-23.06
4511.25	H	52.16		4.80	34.04	-39.22	51.78	388.10	5000.00	-22.20
4511.25	V	54.47		4.80	34.04	-39.22	54.09	506.35	5000.00	-19.89
5413.50	H	49.19		5.11	34.69	-39.37	49.62	302.67	5000.00	-24.36
5413.50	V	49.80		5.11	34.69	-39.37	50.23	324.69	5000.00	-23.75
8120.25	H	50.69		6.08	35.63	-39.43	52.97	445.16	5000.00	-21.01
8120.25	V	52.35		6.08	35.63	-39.43	54.63	538.91	5000.00	-19.35
9022.50	H	48.97	Ambient	6.30	35.98	-39.33	51.92	394.34	5000.00	-22.06
9022.50	V	48.89	Ambient	6.30	35.98	-39.33	51.84	390.72	5000.00	-22.14

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Restricted Band Averages
MODE	Tx – 902.25MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Antenna Adaptor

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Duty Cycle (dB)	Average Total dBμV/m at 3m	Average Total μV/m at 3m	Average Limit μV/m at 3m	Margin (dB)
2706.75	H	40.46		3.68	32.49	-39.77	0.00	36.86	69.66	500.00	-17.12
2706.75	V	38.90		3.68	32.49	-39.77	0.00	35.30	58.21	500.00	-18.68
3609.00	H	37.67	Ambient	4.76	32.97	-39.20	0.00	36.20	64.56	500.00	-17.78
3609.00	V	37.65	Ambient	4.76	32.97	-39.20	0.00	36.18	64.41	500.00	-17.80
4511.25	H	38.41		4.80	34.04	-39.22	0.00	38.03	79.70	500.00	-15.95
4511.25	V	39.25		4.80	34.04	-39.22	0.00	38.87	87.79	500.00	-15.11
5413.50	H	35.28		5.11	34.69	-39.37	0.00	35.71	61.02	500.00	-18.27
5413.50	V	35.29		5.11	34.69	-39.37	0.00	35.72	61.09	500.00	-18.26
8120.25	H	35.92		6.08	35.63	-39.43	0.00	38.20	81.29	500.00	-15.78
8120.25	V	38.83		6.08	35.63	-39.43	0.00	41.11	113.64	500.00	-12.87
9022.50	H	34.80	Ambient	6.30	35.98	-39.33	0.00	37.75	77.16	500.00	-16.23
9022.50	V	34.80	Ambient	6.30	35.98	-39.33	0.00	37.75	77.16	500.00	-16.23

DATA PAGE

MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Non-Restricted Bands
MODE	Tx – 914.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Antenna Adaptor

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
914.75	H	71.04		2.89	26.68	0.00	100.61	107324.22		
914.75	V	75.41		2.89	26.68	0.00	104.98	177499.75		
1829.50	H	37.04	Ambient	3.25	30.65	-40.00	30.94	35.22	17749.98	-54.05
1829.50	V	37.34	Ambient	3.25	30.65	-40.00	31.24	36.46	17749.98	-53.75
5488.50	H	40.77		5.08	34.58	-39.38	41.05	112.81	17749.98	-43.94
5488.50	V	39.95		5.08	34.58	-39.38	40.23	102.65	17749.98	-44.76
6403.25	H	49.91		5.56	35.49	-39.40	51.56	378.34	17749.98	-33.43
6403.25	V	48.88		5.56	35.49	-39.40	50.53	336.03	17749.98	-34.46

DATA PAGE

MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Restricted Bands
MODE	Tx – 914.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Antenna Adaptor

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
2744.25	H	54.06		3.74	32.55	-39.74	50.61	339.16	5000.00	-23.37
2744.25	V	54.56		3.74	32.55	-39.74	51.11	359.25	5000.00	-22.87
3659.00	H	53.04	Ambient	4.77	32.97	-39.21	51.57	378.93	5000.00	-22.41
3659.00	V	52.85	Ambient	4.77	32.97	-39.21	51.38	370.74	5000.00	-22.60
4573.75	H	53.78		4.80	34.20	-39.24	53.54	475.15	5000.00	-20.44
4573.75	V	54.28		4.80	34.20	-39.24	54.04	503.30	5000.00	-19.94
7318.00	H	53.23		5.84	35.65	-39.42	55.30	581.79	5000.00	-18.68
7318.00	V	49.40	Ambient	5.84	35.65	-39.42	51.47	374.34	5000.00	-22.51
8232.75	H	51.21		6.22	35.71	-39.41	53.73	485.97	5000.00	-20.25
8232.75	V	51.12		6.22	35.71	-39.41	53.64	480.96	5000.00	-20.34
9147.50	H	49.37	Ambient	6.31	36.05	-39.31	52.41	417.57	5000.00	-21.56
9147.50	V	49.41	Ambient	6.31	36.05	-39.31	52.45	419.49	5000.00	-21.52

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Restricted Band Averages
MODE	Tx – 914.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Antenna Adaptor

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Duty Cycle (dB)	Average Total dBμV/m at 3m	Average Total μV/m at 3m	Average Limit μV/m at 3m	Margin (dB)
2744.25	H	40.45		3.74	32.55	-39.74	0.00	37.00	70.78	500.00	-16.98
2744.25	V	40.79		3.74	32.55	-39.74	0.00	37.34	73.60	500.00	-16.64
3659.00	H	38.31	Ambient	4.77	32.97	-39.21	0.00	36.84	69.51	500.00	-17.14
3659.00	V	38.28	Ambient	4.77	32.97	-39.21	0.00	36.81	69.27	500.00	-17.17
4573.75	H	39.30		4.80	34.20	-39.24	0.00	39.06	89.71	500.00	-14.92
4573.75	V	40.13		4.80	34.20	-39.24	0.00	39.89	98.70	500.00	-14.09
7318.00	H	34.70		5.84	35.65	-39.42	0.00	36.77	68.91	500.00	-17.21
7318.00	V	34.40	Ambient	5.84	35.65	-39.42	0.00	36.47	66.57	500.00	-17.51
8232.75	H	36.86		6.22	35.71	-39.41	0.00	39.38	93.13	500.00	-14.60
8232.75	V	36.82		6.22	35.71	-39.41	0.00	39.34	92.71	500.00	-14.64
9147.50	H	34.91	Ambient	6.31	36.05	-39.31	0.00	37.95	79.02	500.00	-16.02
9147.50	V	34.92	Ambient	6.31	36.05	-39.31	0.00	37.96	79.11	500.00	-16.01

DATA PAGE

MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Non-Restricted Bands
MODE	Tx – 926.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Antenna Adaptor

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
926.75	H	68.93		2.90	26.72	0.00	98.54	84569.31		
926.75	V	70.92		2.90	26.72	0.00	100.53	106343.95		
1853.50	H	37.31	Ambient	3.26	30.72	-39.98	31.30	36.75	10634.39	-49.23
1853.50	V	36.79	Ambient	3.26	30.72	-39.98	30.78	34.61	10634.39	-49.75
5560.50	H	39.29		5.11	34.52	-39.38	39.54	94.83	10634.39	-41.00
5560.50	V	39.79		5.11	34.52	-39.38	40.04	100.45	10634.39	-40.50
6487.25	H	46.51		5.60	35.58	-39.40	48.28	259.47	10634.39	-32.25
6487.25	V	48.31		5.60	35.58	-39.40	50.08	319.22	10634.39	-30.45
9267.50	H	39.28	Ambient	6.42	36.07	-39.30	42.47	132.84	10634.39	-38.07
9267.50	V	38.99	Ambient	6.42	36.07	-39.30	42.18	128.48	10634.39	-38.36
928.00	H	21.17		2.90	26.71	0.00	50.78	346.12	10634.39	-29.75
928.00	V	21.27		2.90	26.71	0.00	50.88	350.12	10634.39	-29.65

DATA PAGE

MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Restricted Bands
MODE	Tx – 926.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Antenna Adaptor

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
2780.25	H	54.28		3.80	32.45	-39.72	50.80	346.82	5000.00	-23.18
2780.25	V	53.75		3.80	32.45	-39.72	50.27	326.29	5000.00	-23.71
3707.00	H	52.61	Ambient	4.77	32.96	-39.21	51.13	360.11	5000.00	-22.85
3707.00	V	52.25	Ambient	4.77	32.96	-39.21	50.77	345.49	5000.00	-23.21
4633.75	H	52.07		4.80	34.34	-39.26	51.95	395.97	5000.00	-22.03
4633.75	V	53.14		4.80	34.34	-39.26	53.02	447.88	5000.00	-20.96
7414.00	H	50.02	Ambient	5.89	35.66	-39.43	52.14	404.51	5000.00	-21.84
7414.00	V	49.47		5.89	35.66	-39.43	51.59	379.69	5000.00	-22.39
8340.75	H	51.11		6.18	35.74	-39.40	53.63	480.49	5000.00	-20.35
8340.75	V	51.17		6.18	35.74	-39.40	53.69	483.82	5000.00	-20.29

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Restricted Band Averages
MODE	Tx – 926.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Antenna Adaptor

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Duty Cycle (dB)	Average Total dBμV/m at 3m	Average Total μV/m at 3m	Average Limit μV/m at 3m	Margin (dB)
2780.25	H	40.94		3.80	32.45	-39.72	0.00	37.46	74.66	500.00	-16.52
2780.25	V	40.28		3.80	32.45	-39.72	0.00	36.80	69.20	500.00	-17.18
3707.00	H	37.68	Ambient	4.77	32.96	-39.21	0.00	36.20	64.56	500.00	-17.78
3707.00	V	37.69	Ambient	4.77	32.96	-39.21	0.00	36.21	64.63	500.00	-17.77
4633.75	H	38.10		4.80	34.34	-39.26	0.00	37.98	79.28	500.00	-16.00
4633.75	V	38.83		4.80	34.34	-39.26	0.00	38.71	86.23	500.00	-15.27
7414.00	H	35.00	Ambient	5.89	35.66	-39.43	0.00	37.12	71.77	500.00	-16.86
7414.00	V	35.55		5.89	35.66	-39.43	0.00	37.67	76.46	500.00	-16.31
8340.75	H	36.59		6.18	35.74	-39.40	0.00	39.11	90.30	500.00	-14.87
8340.75	V	36.84		6.18	35.74	-39.40	0.00	39.36	92.94	500.00	-14.62

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Non-Restricted Bands
MODE	Tx – 902.25MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Yagi Antenna

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
902.25	H	74.49		2.88	26.70	0.00	104.07	159802.07		
902.25	V	70.36		2.88	26.70	0.00	99.94	99330.45		
1804.50	H	36.86	Ambient	3.25	30.61	-40.03	30.69	34.25	15980.21	-53.38
1804.50	V	36.56	Ambient	3.25	30.61	-40.03	30.39	33.08	15980.21	-53.68
6315.75	H	49.71		5.53	35.39	-39.40	51.23	364.28	15980.21	-32.84
6315.75	V	49.40		5.53	35.39	-39.40	50.92	351.51	15980.21	-33.15
7218.00	H	39.45	Ambient	5.88	35.57	-39.42	41.48	118.62	15980.21	-42.59
7218.00	V	39.35	Ambient	5.88	35.57	-39.42	41.38	117.26	15980.21	-42.69
902.00	H	47.94		2.88	26.70	0.00	77.52	7517.07	15980.21	-6.55
902.00	V	44.41		2.88	26.70	0.00	73.99	5006.67	15980.21	-10.08

DATA PAGE

MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Restricted Bands
MODE	Tx – 902.25MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Yagi Antenna

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
2706.75	H	54.56		3.68	32.49	-39.77	50.96	353.17	5000.00	-23.02
2706.75	V	54.15		3.68	32.49	-39.77	50.55	336.89	5000.00	-23.43
3609.00	H	52.42	Ambient	4.76	32.97	-39.20	50.95	352.73	5000.00	-23.03
3609.00	V	52.01	Ambient	4.76	32.97	-39.20	50.54	336.46	5000.00	-23.44
4511.25	H	53.90		4.80	34.04	-39.22	53.52	474.18	5000.00	-20.46
4511.25	V	53.37		4.80	34.04	-39.22	52.99	446.12	5000.00	-20.99
5413.50	H	49.50	Ambient	5.11	34.69	-39.37	49.93	313.66	5000.00	-24.05
5413.50	V	49.39	Ambient	5.11	34.69	-39.37	49.82	309.72	5000.00	-24.16
8120.25	H	50.74		6.08	35.63	-39.43	53.02	447.73	5000.00	-20.96
8120.25	V	52.34		6.08	35.63	-39.43	54.62	538.29	5000.00	-19.36
9022.50	H	48.87	Ambient	6.30	35.98	-39.33	51.82	389.82	5000.00	-22.16
9022.50	V	48.72	Ambient	6.30	35.98	-39.33	51.67	383.15	5000.00	-22.31

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Restricted Band Averages
MODE	Tx – 902.25MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Yagi Antenna

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Duty Cycle (dB)	Average Total dBμV/m at 3m	Average Total μV/m at 3m	Average Limit μV/m at 3m	Margin (dB)
2706.75	H	40.59		3.68	32.49	-39.77	0.00	36.99	70.71	500.00	-16.99
2706.75	V	40.02		3.68	32.49	-39.77	0.00	36.42	66.22	500.00	-17.56
3609.00	H	37.26	Ambient	4.76	32.97	-39.20	0.00	35.79	61.58	500.00	-18.19
3609.00	V	37.26	Ambient	4.76	32.97	-39.20	0.00	35.79	61.58	500.00	-18.19
4511.25	H	39.33		4.80	34.04	-39.22	0.00	38.95	88.60	500.00	-15.03
4511.25	V	39.65		4.80	34.04	-39.22	0.00	39.27	91.93	500.00	-14.71
5413.50	H	34.60	Ambient	5.11	34.69	-39.37	0.00	35.03	56.42	500.00	-18.95
5413.50	V	34.60	Ambient	5.11	34.69	-39.37	0.00	35.03	56.42	500.00	-18.95
8120.25	H	35.63		6.08	35.63	-39.43	0.00	37.91	78.62	500.00	-16.07
8120.25	V	37.63		6.08	35.63	-39.43	0.00	39.91	98.97	500.00	-14.07
9022.50	H	34.51	Ambient	6.30	35.98	-39.33	0.00	37.46	74.62	500.00	-16.52
9022.50	V	34.52	Ambient	6.30	35.98	-39.33	0.00	37.47	74.71	500.00	-16.51

DATA PAGE

MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Non-Restricted Bands
MODE	Tx – 914.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Yagi Antenna

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
914.75	H	73.91		2.89	26.68	0.00	103.48	149347.43		
914.75	V	71.65		2.89	26.68	0.00	101.22	115132.45		
1829.50	H	36.89	Ambient	3.25	30.65	-40.00	30.79	34.62	14934.74	-52.70
1829.50	V	36.70		3.25	30.65	-40.00	30.60	33.87	14934.74	-52.89
5488.50	H	40.26		5.08	34.58	-39.38	40.54	106.38	14934.74	-42.95
5488.50	V	40.17		5.08	34.58	-39.38	40.45	105.28	14934.74	-43.04
6403.25	H	49.77		5.56	35.49	-39.40	51.42	372.29	14934.74	-32.07
6403.25	V	48.04		5.56	35.49	-39.40	49.69	305.06	14934.74	-33.80

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Restricted Bands
MODE	Tx – 914.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Yagi Antenna

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
2744.25	H	53.58		3.74	32.55	-39.74	50.13	320.92	5000.00	-23.85
2744.25	V	53.29		3.74	32.55	-39.74	49.84	310.39	5000.00	-24.14
3659.00	H	52.10	Ambient	4.77	32.97	-39.21	50.63	340.07	5000.00	-23.35
3659.00	V	52.30	Ambient	4.77	32.97	-39.21	50.83	347.99	5000.00	-23.15
4573.75	H	53.40		4.80	34.20	-39.24	53.16	454.81	5000.00	-20.82
4573.75	V	54.36		4.80	34.20	-39.24	54.12	507.96	5000.00	-19.86
7318.00	H	49.58	Ambient	5.84	35.65	-39.42	51.65	382.18	5000.00	-22.33
7318.00	V	49.18	Ambient	5.84	35.65	-39.42	51.25	364.98	5000.00	-22.73
8232.75	H	51.67		6.22	35.71	-39.41	54.19	512.40	5000.00	-19.79
8232.75	V	50.94		6.22	35.71	-39.41	53.46	471.10	5000.00	-20.52
9147.50	H	49.05	Ambient	6.31	36.05	-39.31	52.09	402.46	5000.00	-21.88
9147.50	V	49.37	Ambient	6.31	36.05	-39.31	52.41	417.57	5000.00	-21.56

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Restricted Band Averages
MODE	Tx – 914.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Yagi Antenna

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Duty Cycle (dB)	Average Total dBμV/m at 3m	Average Total μV/m at 3m	Average Limit μV/m at 3m	Margin (dB)
2744.25	H	40.03		3.74	32.55	-39.74	0.00	36.58	67.44	500.00	-17.40
2744.25	V	39.36		3.74	32.55	-39.74	0.00	35.91	62.43	500.00	-18.07
3659.00	H	37.70	Ambient	4.77	32.97	-39.21	0.00	36.23	64.80	500.00	-17.75
3659.00	V	37.69	Ambient	4.77	32.97	-39.21	0.00	36.22	64.72	500.00	-17.76
4573.75	H	39.15		4.80	34.20	-39.24	0.00	38.91	88.17	500.00	-15.07
4573.75	V	39.94		4.80	34.20	-39.24	0.00	39.70	96.57	500.00	-14.28
7318.00	H	34.84	Ambient	5.84	35.65	-39.42	0.00	36.91	70.03	500.00	-17.07
7318.00	V	34.83	Ambient	5.84	35.65	-39.42	0.00	36.90	69.95	500.00	-17.08
8232.75	H	37.70		6.22	35.71	-39.41	0.00	40.22	102.59	500.00	-13.76
8232.75	V	37.07		6.22	35.71	-39.41	0.00	39.59	95.41	500.00	-14.39
9147.50	H	34.99	Ambient	6.31	36.05	-39.31	0.00	38.03	79.75	500.00	-15.94
9147.50	V	34.99	Ambient	6.31	36.05	-39.31	0.00	38.03	79.75	500.00	-15.94

DATA PAGE

MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Non-Restricted Bands
MODE	Tx – 926.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Yagi Antenna

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
926.75	H	73.76		2.90	26.72	0.00	103.37	147473.09		
926.75	V	65.47		2.90	26.72	0.00	95.08	56782.27		
1853.50	H	37.01	Ambient	3.26	30.72	-39.98	31.00	35.48	14747.31	-52.37
1853.50	V	37.04	Ambient	3.26	30.72	-39.98	31.03	35.62	14747.31	-52.34
5560.50	H	39.35		5.11	34.52	-39.38	39.60	95.49	14747.31	-43.78
5560.50	V	38.84		5.11	34.52	-39.38	39.09	90.04	14747.31	-44.29
6487.25	H	46.08		5.60	35.58	-39.40	47.85	246.94	14747.31	-35.52
6487.25	V	47.13		5.60	35.58	-39.40	48.90	278.67	14747.31	-34.47
9267.50	H	40.07	Ambient	6.42	36.07	-39.30	43.26	145.49	14747.31	-40.12
9267.50	V	39.85	Ambient	6.42	36.07	-39.30	43.04	141.85	14747.31	-40.34
928.00	H	22.81		2.90	26.71	0.00	52.42	418.04	14747.31	-30.95
928.00	V	15.19		2.90	26.71	0.00	44.80	173.87	14747.31	-38.57

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Harmonics in Restricted Bands
MODE	Tx – 926.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Yagi Antenna

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Peak Total dBμV/m at 3m	Peak Total μV/m at 3m	Peak Limit μV/m at 3m	Margin (dB)
2780.25	H	54.21		3.80	32.45	-39.72	50.73	344.03	5000.00	-23.25
2780.25	V	54.53		3.80	32.45	-39.72	51.05	356.95	5000.00	-22.93
3707.00	H	52.39	Ambient	4.77	32.96	-39.21	50.91	351.11	5000.00	-23.07
3707.00	V	53.11	Ambient	4.77	32.96	-39.21	51.63	381.45	5000.00	-22.35
4633.75	H	52.66		4.80	34.34	-39.26	52.54	423.80	5000.00	-21.44
4633.75	V	52.06		4.80	34.34	-39.26	51.94	395.51	5000.00	-22.04
7414.00	H	49.68	Ambient	5.89	35.66	-39.43	51.80	388.98	5000.00	-22.18
7414.00	V	49.87	Ambient	5.89	35.66	-39.43	51.99	397.58	5000.00	-21.99
8340.75	H	51.15		6.18	35.74	-39.40	53.67	482.70	5000.00	-20.31
8340.75	V	50.97		6.18	35.74	-39.40	53.49	472.80	5000.00	-20.49

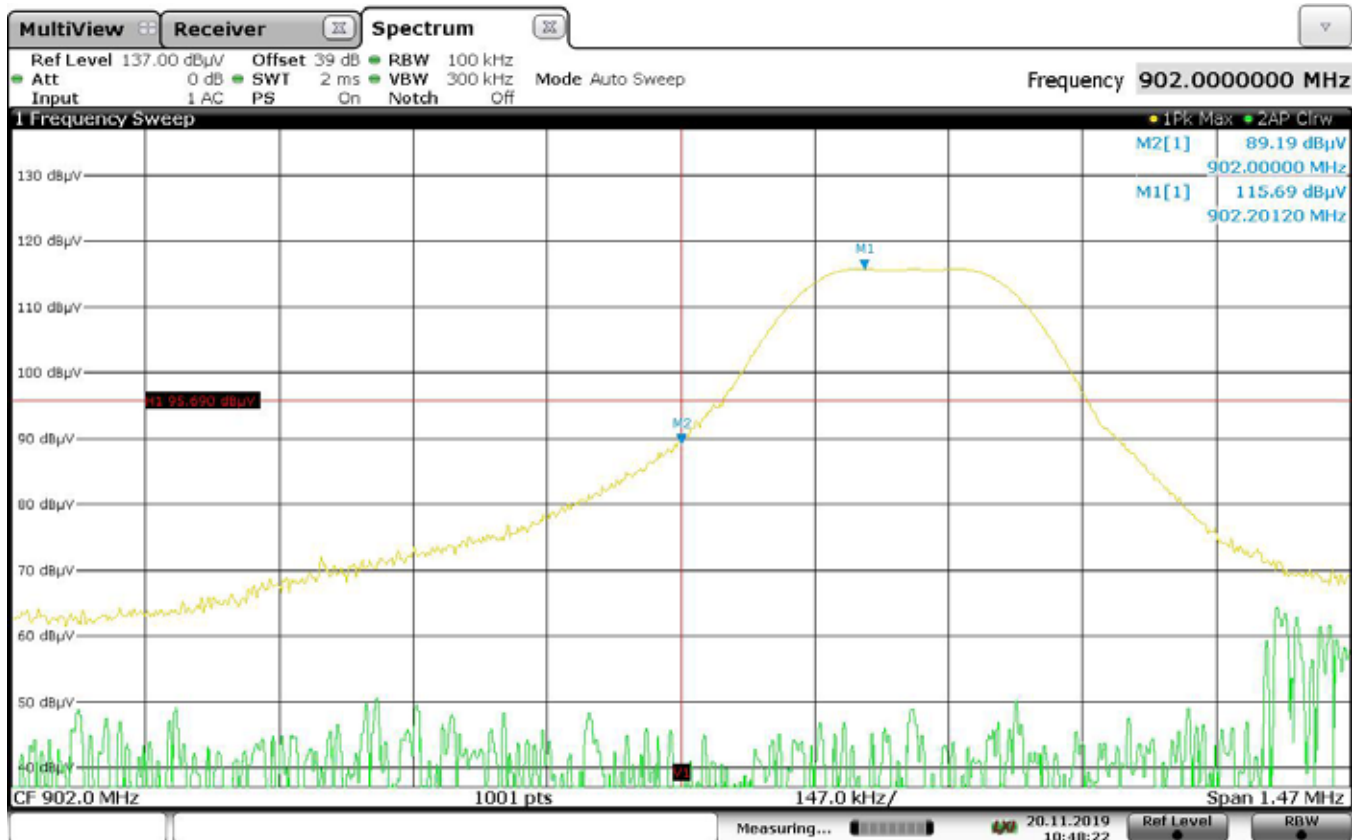
DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Radiated Spurious Emissions – Restricted Band Averages
MODE	Tx – 926.75MHz
DATE TESTED	November 18 & 19, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	Yagi Antenna

RADIATED SPURIOUS EMISSIONS

Freq. (MHz)	Ant. Pol.	Meter Reading (dBμV)	Ambient	CBL Fac. (dB)	Ant. Fac. (dB)	Pre Amp (dB)	Duty Cycle (dB)	Average Total dBμV/m at 3m	Average Total μV/m at 3m	Average Limit μV/m at 3m	Margin (dB)
2780.25	H	39.82		3.80	32.45	-39.72	0.00	36.34	65.63	500.00	-17.64
2780.25	V	40.47		3.80	32.45	-39.72	0.00	36.99	70.73	500.00	-16.99
3707.00	H	37.76	Ambient	4.77	32.96	-39.21	0.00	36.28	65.15	500.00	-17.70
3707.00	V	37.76	Ambient	4.77	32.96	-39.21	0.00	36.28	65.15	500.00	-17.70
4633.75	H	38.71		4.80	34.34	-39.26	0.00	38.59	85.05	500.00	-15.39
4633.75	V	38.14		4.80	34.34	-39.26	0.00	38.02	79.64	500.00	-15.96
7414.00	H	35.04	Ambient	5.89	35.66	-39.43	0.00	37.16	72.10	500.00	-16.82
7414.00	V	35.03	Ambient	5.89	35.66	-39.43	0.00	37.15	72.02	500.00	-16.83
8340.75	H	36.41		6.18	35.74	-39.40	0.00	38.93	88.45	500.00	-15.05
8340.75	V	36.60		6.18	35.74	-39.40	0.00	39.12	90.40	500.00	-14.86

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Band Edge
MODE	Tx – 902.25MHz
DATE TESTED	November 20, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	

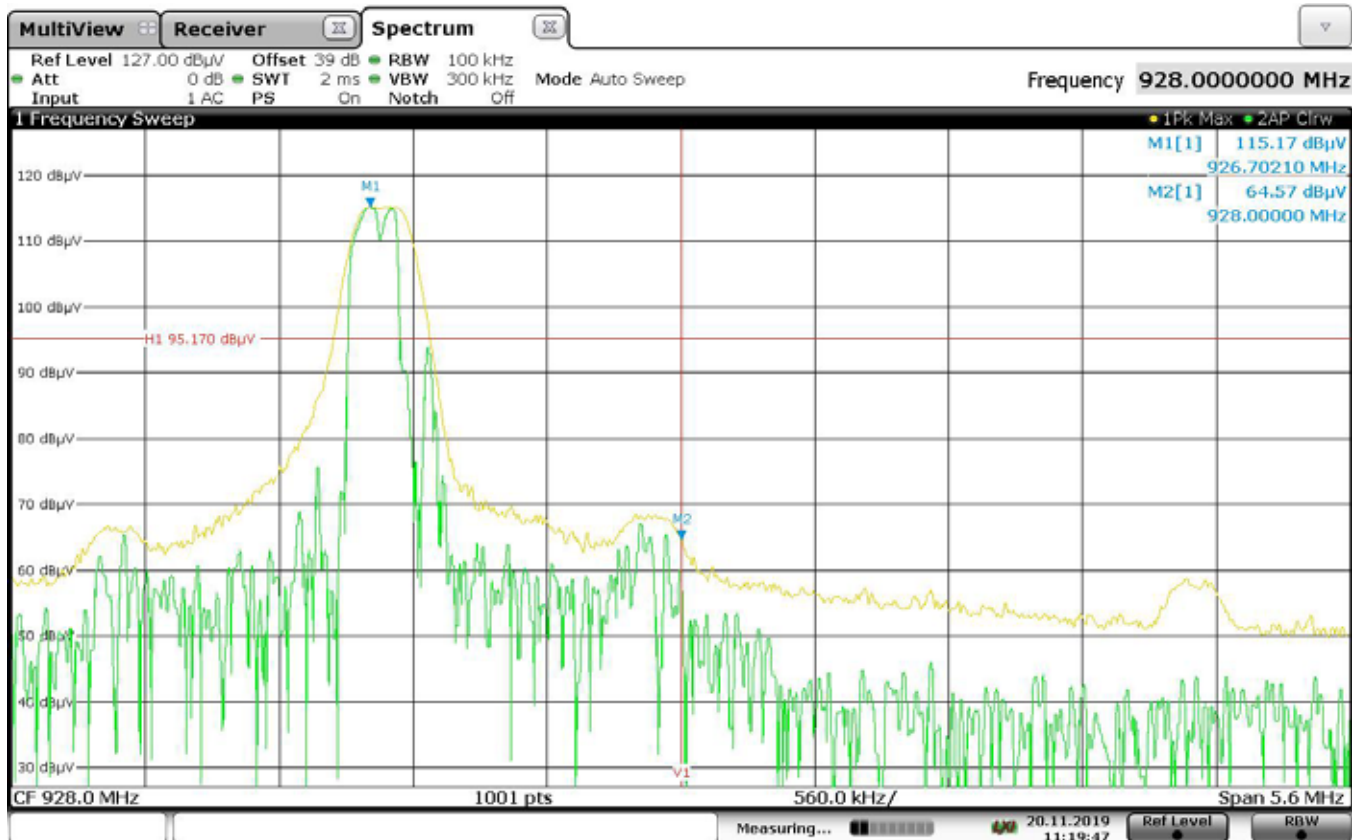
BAND EDGE – LOW



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DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Band Edge
MODE	Tx – 926.75MHz
DATE TESTED	November 20, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	

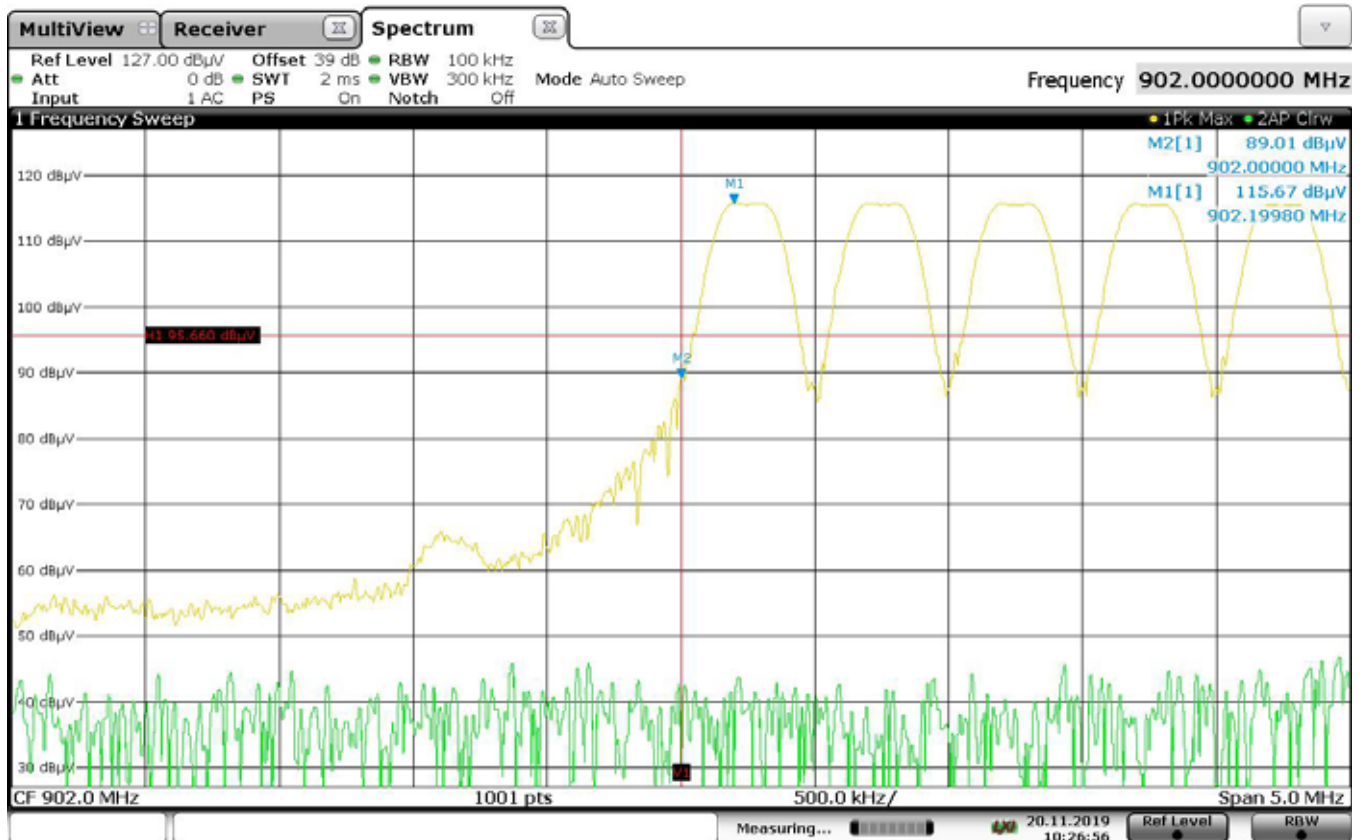
BAND EDGE – HIGH



11:19:47 20.11.2019

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Band Edge
MODE	Tx - FHSS
DATE TESTED	November 20, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	

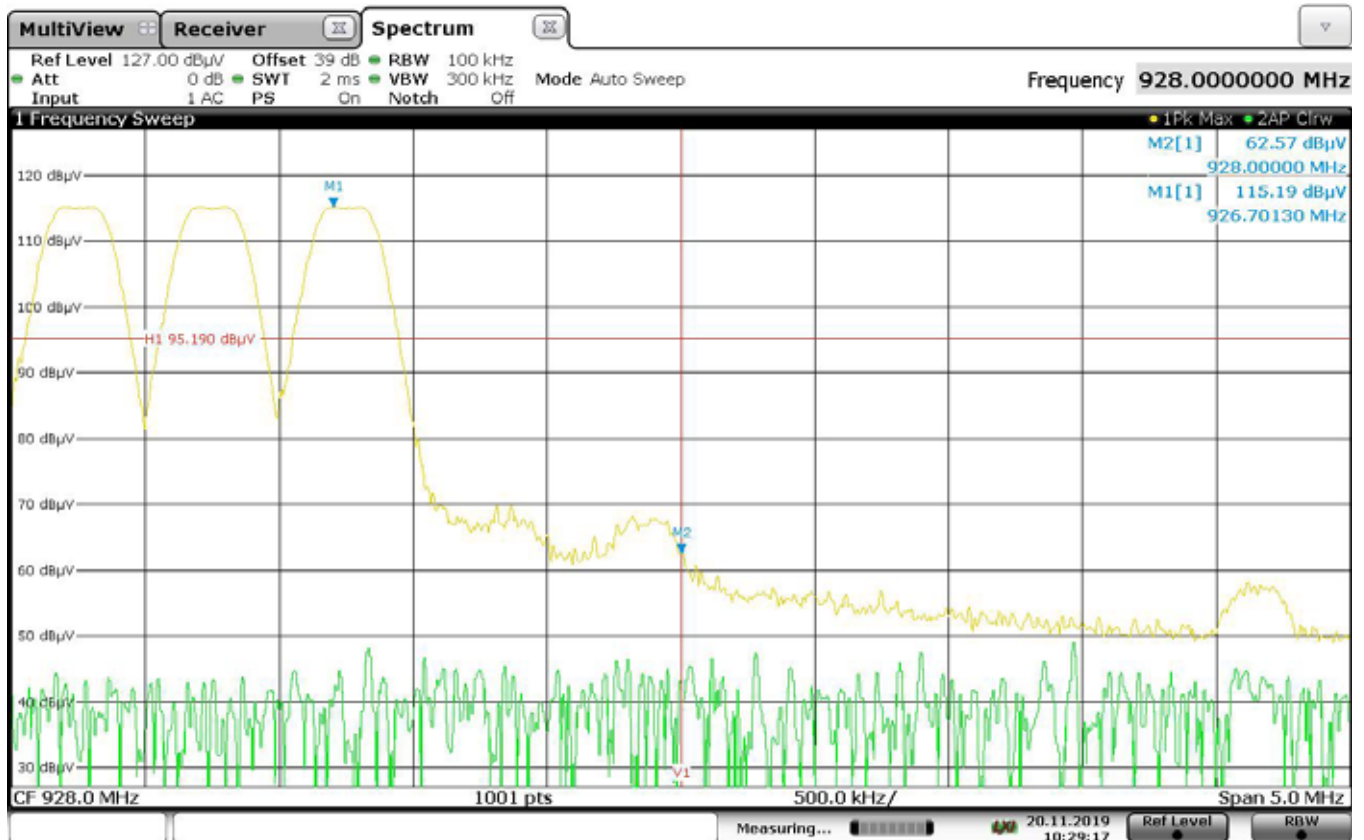
BAND EDGE – LOW



10:26:56 20.11.2019

DATA PAGE	
MANUFACTURER	The Chamberlain Group, Inc.
EUT	Main/Control PCB Transceiver
MODEL NO.	001D9525-01
SERIAL NO.	ESL3
TEST	FCC §15.247, RSS-247 – Band Edge
MODE	Tx - FHSS
DATE TESTED	November 20, 2019
TEST PERFORMED BY	Tylar Jozefczyk
NOTES	

BAND EDGE – HIGH



10:29:17 20.11.2019