

EMC TEST REPORT



Standard(s):

**47 CFR FCC Part 15.247
RSS 247, Issue 4, 2025**

**FCC ID:Y9ZFL8000WS7
IC:4406A-FL8000WS7**

Product: 3M™ PELTOR™ Multi-Comm Push-To-Talk Adapter (LE/QHS)

Model(s): FL8000-US SV/CY

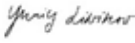
**Company Name:
3M Svenska AB**

3M Division: PSD

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**Report Number: HRE202602510-1
Report Issue Date: July 15, 2026**

Report Prepared by:

Signature: 
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1.0 Test Summary

Based on the results of our investigation, we have concluded the product tested **comply** with the requirements of the standard(s) indicated. The results obtained in this test report pertain only to the item(s) tested.

	Requirement – Test	Test Description	Result	Comments
4.1	FCC Part 15.247(a)(2)/ RSS-247(6.3.1(a))/RSS-Gen (6.7)	DTS Bandwidth	pass	
4.2	FCC Part 15.247(b)(3)/ RSS-247(6.3.2)	Maximum Peak Conducted Output Power	pass	
4.3	FCC Part 15.247(e)/ RSS-247(6.3.1(b))	Maximum Power Spectral Density level	pass	
4.4	FCC Part 15.209 RSS-Gen, 8.9	Radiated Emissions in restricted band	pass	
4.5	FCC Part 15.247(d)/ RSS-247(6.6)	Radiated Emissions in non-restricted band	pass	
4.6	FCC Part 15.247(d)(1)/ RSS-247(6.6)	DTS Band-edge Emissions Measurements	pass	
4.7	FCC Part 15.207/ RSS-Gen (8.8)	Conducted Emissions	pass	
4.8	FCC Part 15.247(i)/ RSS 102 Issue 6	RF Exposure Compliance	pass	

Note:	
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1.1 Measurement Uncertainty

The measured value related to the corresponding limit will be used to decide whether the equipment meets the requirements. The measurement uncertainty figures were calculated and correspond to a coverage factor of k=2, providing a confidence level of respectively 95.45 % in the case where the distributions characterizing the actual measurement uncertainties are normal (Gaussian).

Radiated emissions 30MHz to 1000MHz	4.9 dB
Radiated emissions 1GHz to 18GHz	4.6 dB
Conducted emissions 150KHz to 30MHz (AMN)	2.7 dB
Conducted emissions 150KHz to 30MHz (AAN)	1.92 dB
RF frequency	$\pm 3 \times 10^{-8}$
RF power, conducted	1.4 dB
RF Power Spectral Density	0.96 dB

1.2 Test Facility

Test Facility Accreditations:	ISO/IEC 17025:2017, NVLAP LAB CODE: 200033-0
	FCC US502
	ISED Canada CAB identifier: US0012

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2.0 Equipment Description

2.1	Equipment Under Test				
Description:	FL8000 adapter connects and provides Push-To-Talk (PTT) functionality between PELTOR communication headsets and selected two-way radios.				
Model(s):	FL8000-US SV/CY				
Serial number:	26111000006				
3M Division:	Personal Safety				
Modifications and Special Measures:	none				
Frequency Range:	2402.0-2480.0 MHz				
Channel No.:	39				
Modulation Type:	GFSK/DPSK				
FCC Classification:	Digital Transmission System (DTS)				
Conducted RF Output Power:	LE 3.8dBm (2.4mW)/QHS 4.9dBm (3.1mW)				
Antenna Type and Antenna Assembly Gain:	☐ External	☒ PCB Chip Antenna	☐ Dedicated		
	☒ 0.3dBi	☐ Declared by the Manufacturer	☒ Measured		
Test Deviations or Exclusions:	☐ Yes	☒ No			
Rated Power:	Voltage:	☐ 120VAC	☐ 230VAC	☒ 5VDC	
	Phase:	☐ 1ph	☐ 3ph	☐ USB-C	
	Frequency:	☐ 50Hz	☐ 60Hz		
	Current:	N/A			
Test Dates:	06/22-07/15/2026				
Received Date:	06/10/2026				
Received Conditions:	☐ Poor	☒ Good			
	☒ Prototype	☐ Production			

3.0 EUT Configuration

3.1 System Configuration

No.	Product Type	Manufacturer	Model	Comments
1	PTT	3M	FL8000	EUT
2	Headset	3M	ComTac VIII	Support Equipment
3	PTT	3M	RCU-300	Support Equipment
4	Notebook PC	HP	Zbook	Support Equipment

3.2 Input/Output Ports of EUT

No.	Description	Type	Comments
1	Radio 1/2/DC Power	Round Screw locking	
2	ICS/VIC	Round Screw locking	Internal intercom/external radio in vehicles
3	Headset	Round Screw locking	

3.3 Cables

No.	Description	Type	Length	Shielding	Comments
1	Headset	EUD6	0.3m	Yes	
2	Power	EUD6	1.5m	Yes	

3.4 Measurement Arrangements of EUT

	Intended Operational Arrangement(s)	Comments
☐	Table-top only	
☐	Floor-standing only	
☐	Floor-standing or table-top	
☒	Other	Body-worn

3.5 Primary function(s) of EUT

No.	List of Essential Functions
1	Push-to-Talk Adapter for connection between headsets and radio equipment
2	

3.6 Exercising of EUT and Interfaces

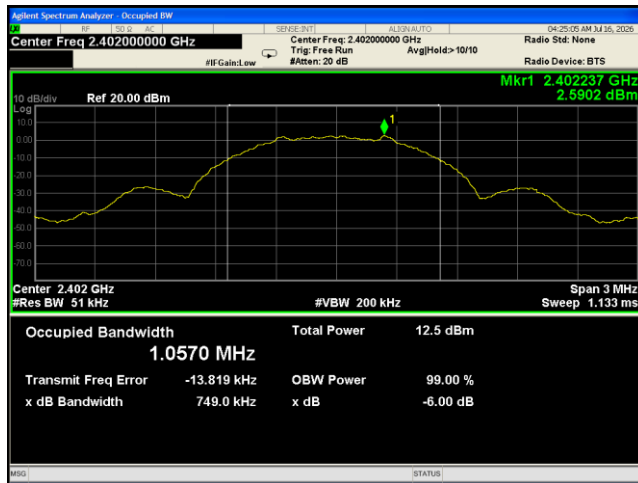
No.	Mode of Operation
1	Continuous transmission of LE modulated signal at lowest (0), middle (19) and highest (39) channels.
2	Continuous transmission of QHS modulated signal at lowest (1), middle (19) and highest (38) channels
3	Device programming using Qualcomm BlueTest WIN.3.3 software for continuous transmission of modulated carrier at maximum rated RF output power and Duty Cycle.

4.0 Test Conditions and Results

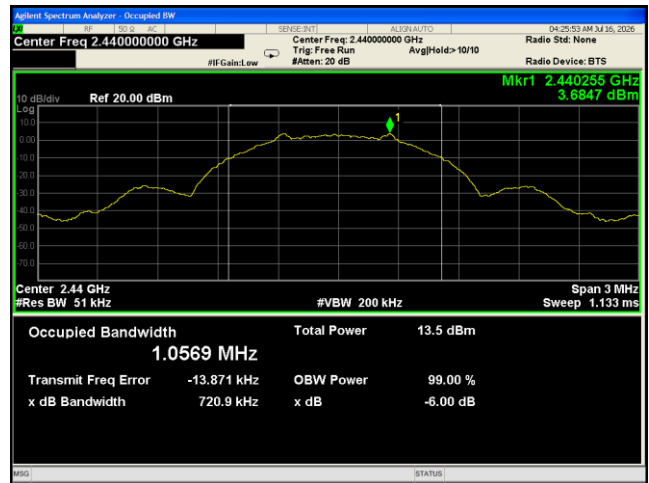
4.1	DTS Bandwidth		
	Laboratory Ambient Temperature:	23°C	
	Relative Humidity:	48%	
	Atmospheric Pressure:	1011 mbars	
Reference Standard(s):	☒ ANSI C63.10:2020, Section 11.8.2 ☒ FCC Part 15.247/RSS 247 ☒ KDB 558074	Measurement Point ☒ Conducted ☐ Radiated	
Frequency Range:	☒ 2402.0-2480.0 MHz	RBW = 51KHz/100KHz VBW ≥ 3 x RBW	
Nominal Voltage:	☐ 120VAC ☒ 5.0VDC		
Test Personnel:	Yuriy Litvinov <i>Yuriy Litvinov</i>		Date: 07/15/2026

Note:	
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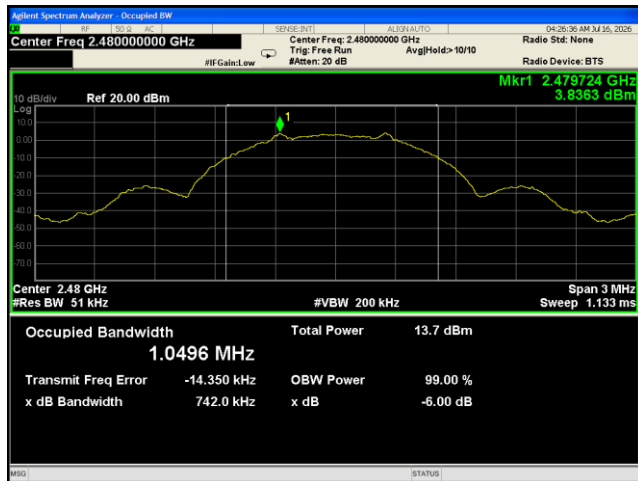
Mode	Frequency (MHz)	Data Rate	99% dB Bandwidth (KHz)	6 dB Bandwidth (KHz)	6dB OBW Limit (KHz)	Results
LE	2402	1 Mbps	1057	721.5	> 500	pass
LE	2440	1 Mbps	1057	722.5	> 500	pass
LE	2480	1 Mbps	1050	721.8	> 500	pass
QHS	2404	2 Mbps	2386	1714	> 500	pass
QHS	2440	2 Mbps	2380	1697	> 500	pass
QHS	2478	2 Mbps	2383	1698	> 500	pass



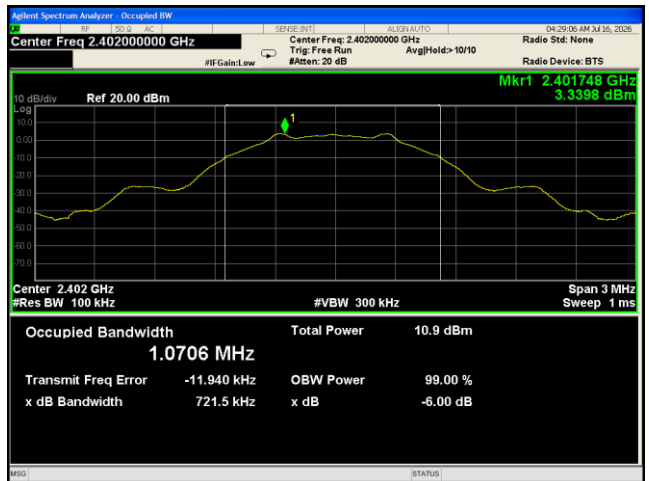
LE 99%OBW – Low Channel



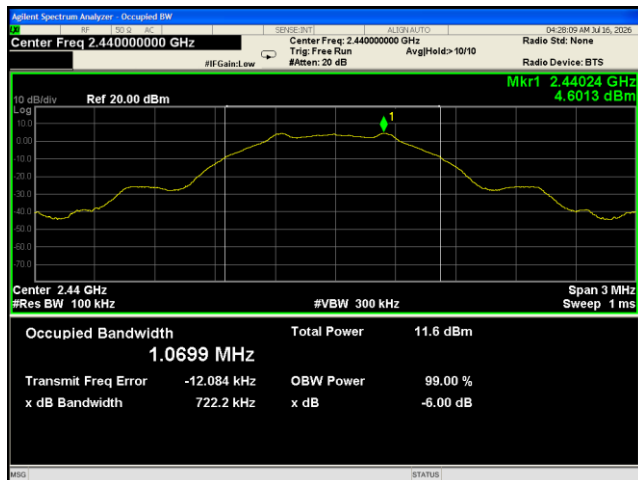
LE 99%OBW – Mid Channel



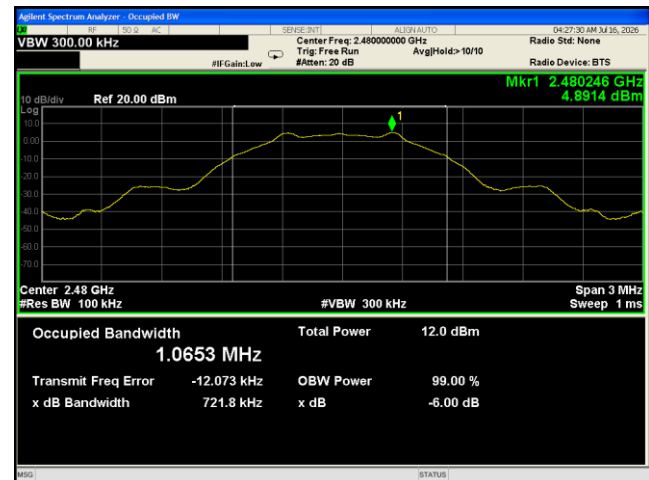
LE 99%OBW – High Channel



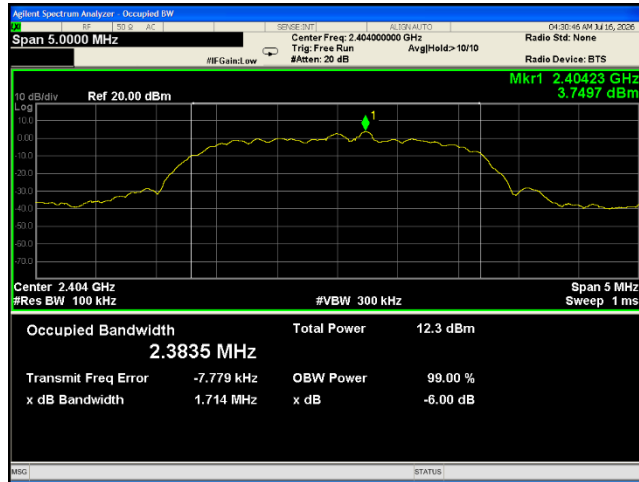
LE 6dB OBW – Low Channel



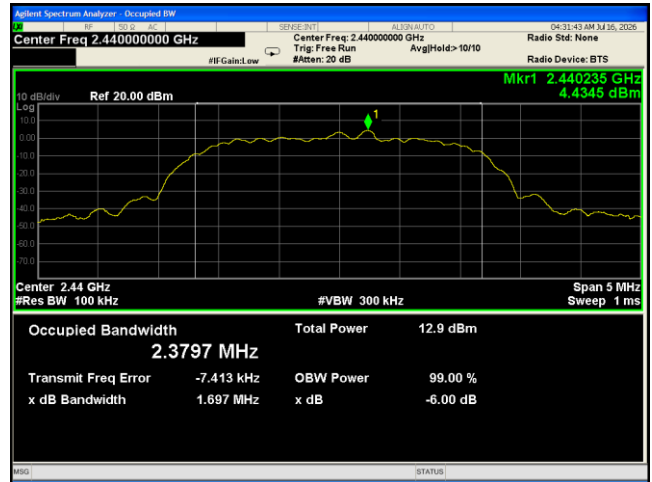
LE 6dB OBW – Mid Channel



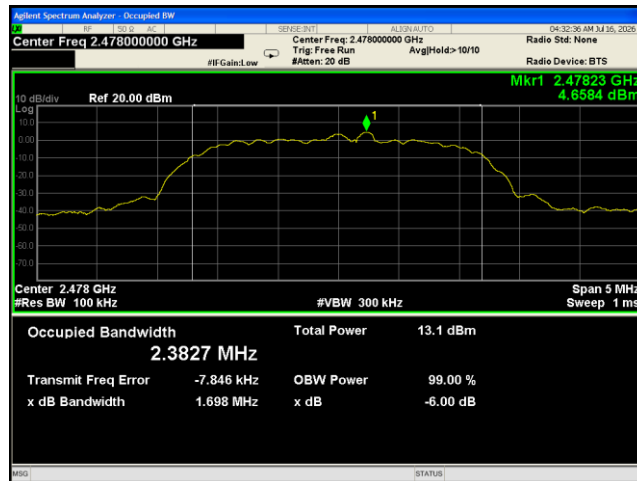
LE 6dB OBW – High Channel



QHS 99%/6dB OBW – Low Channel



QHS 99%/6dB OBW – Mid Channel

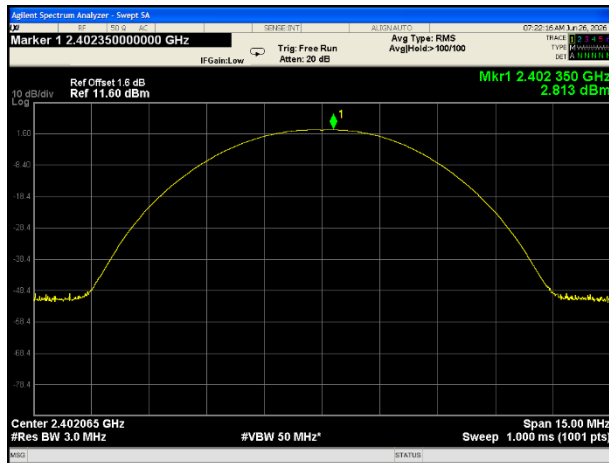


QHS 99%/6dB OBW – High Channel

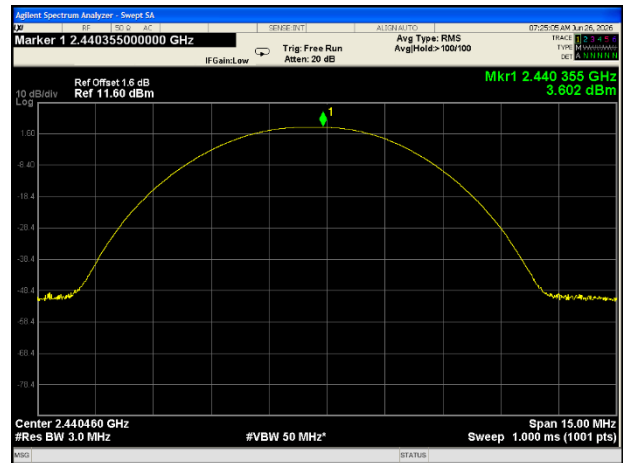
4.2	Maximum Output Power		
Method:	Measurements was performed with CW carrier at the highest power level at which the transmitter is intended to operate. The analyzer offset was adjusted to compensate for the attenuator and other losses.		
		Laboratory Ambient Temperature:	23°C
		Relative Humidity:	48%
		Atmospheric Pressure:	1011 mbars
Reference Standard(s):	☒ ANSI C63.10:2020, Section 11.9 ☒ FCC Part 15.247/RSS 247 ☒ KDB 558074	Measurement Point ☒ Conducted ☐ Radiated	
Frequency Range:	☒ 2402.0 – 2480.0 MHz		
Antenna Gain:	0.3dBi	Maximum Conducted RF Power:	
Limit:	30 dBm	LE 3.8dBm (2.4mW)/ QHS 4.9dBm (3.1mW)	
Nominal Voltage:		☐ 120VAC ☒ 5.0VDC	
Test Personnel:	Yuriy Litvinov <i>Yuriy Litvinov</i>		Date: 06/25/2026

Note:	EIRP (dBm) = Conducted Power (dBm) +Antenna Gain (dBi) - Network Loss(dB)= 4.9+0.3-1= 4.2dBm Matching antenna network requires 1dB subtraction (0.5 dB is due to reflections & 0.5 dB due to losses in the network). 1/10 is reflected and 9/10 reach the antenna 10log(0.9)=0.5dB. All modes of operation and data were investigated. The results shown represent the worst case.
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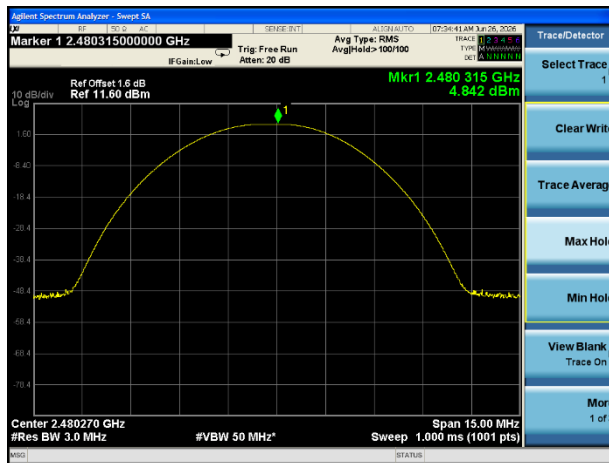
Mode	Ch. Frequency (MHz)	Ant. Matching Network (dB)	Total Conducted Power (dBm)	Limit (dBm)	Result
LE	2402	-1	1.8	30	pass
	2440	-1	2.6	30	pass
	2480	-1	3.8	30	pass
QHS	2404	-1	3.0	30	pass
	2440	-1	3.4	30	pass
	2478	-1	4.9	30	pass



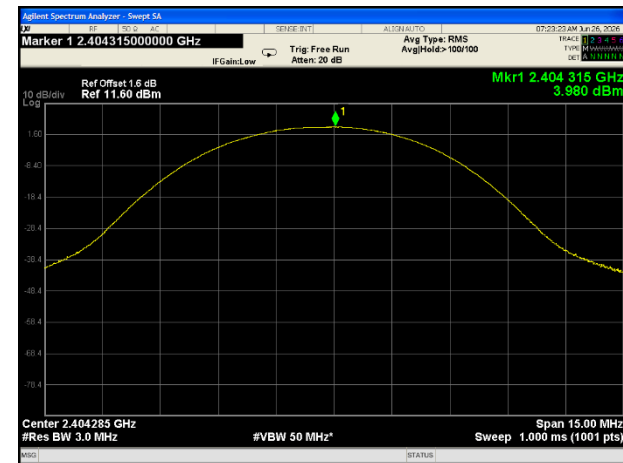
LE Low Channel



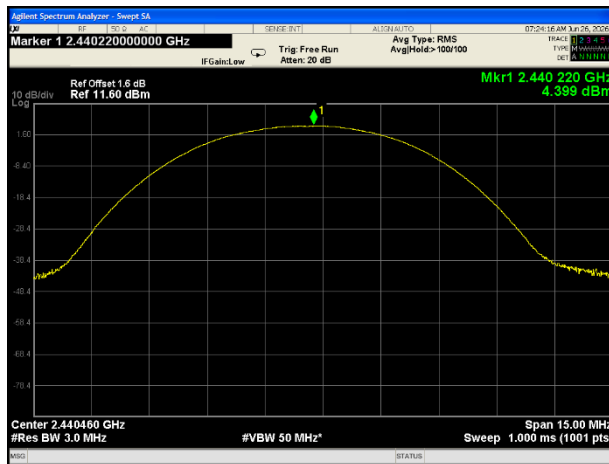
LE Mid Channel



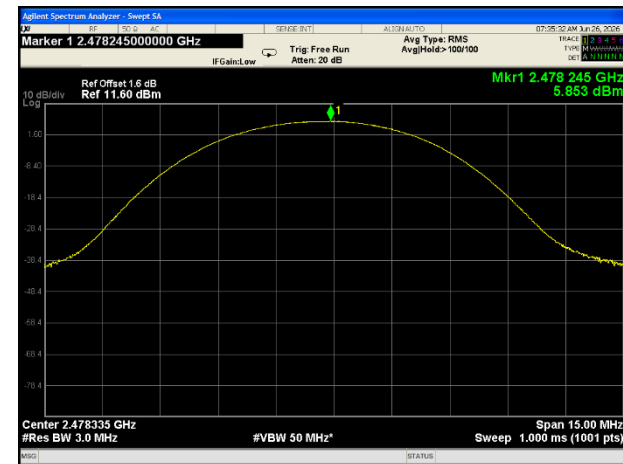
LE High Channel



QHS Low Channel



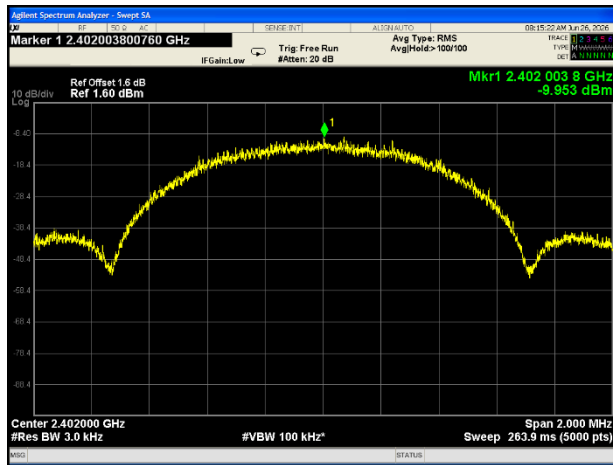
QHS Mid Channel



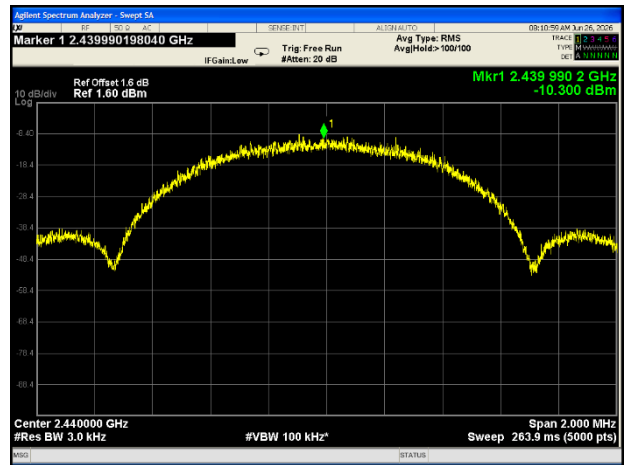
QHS High Channel

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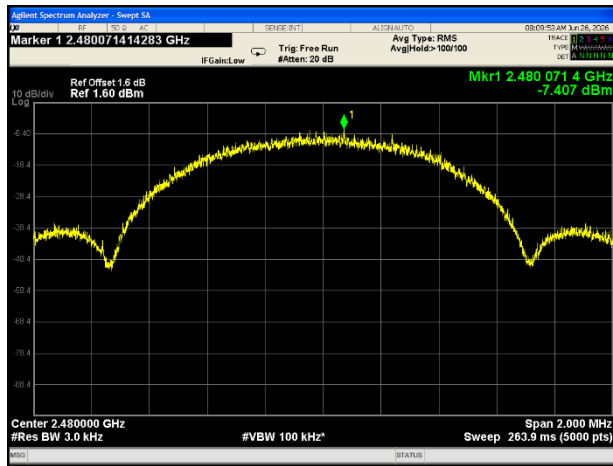
4.3	Maximum Power Spectral Density level		
Method:	Measurements was performed with modulated carrier at the highest power level at which the transmitter is intended to operate. The analyzer offset was adjusted to compensate for the attenuator and other losses.		
	Laboratory Ambient Temperature:	23°C	
	Relative Humidity:	48%	
	Atmospheric Pressure:	1011 mbars	
Reference Standard(s):	☒ ANSI C63.10:2020, Section 11.10.2 ☒ FCC Part 15.247/RSS 247 ☒ KDB 558074	Measurement Point ☒ Conducted ☐ Radiated	
Frequency Range:	☒ 2402.0 – 2480.0 MHz	PSD Results	
PSD Limit:	8 dBm in any 3KHz band	-7.4 dBm	
Nominal Voltage:	☐ 120VAC ☒ 5.0VDC		
Test Personnel:	Yuriy Litvinov <i>Yuriy Litvinov</i>	Date: 06/25/2026	



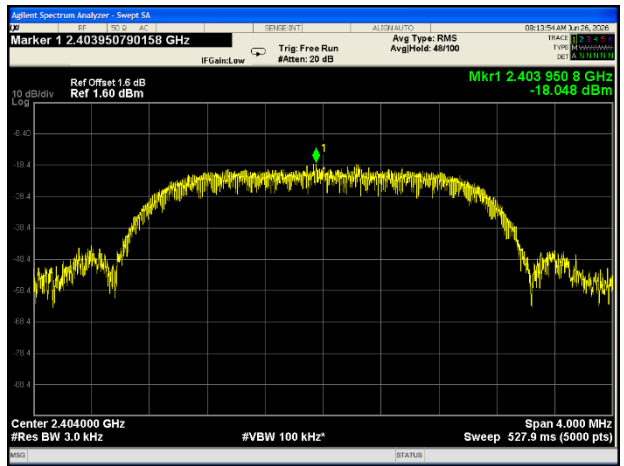
LE PSD Low Channel



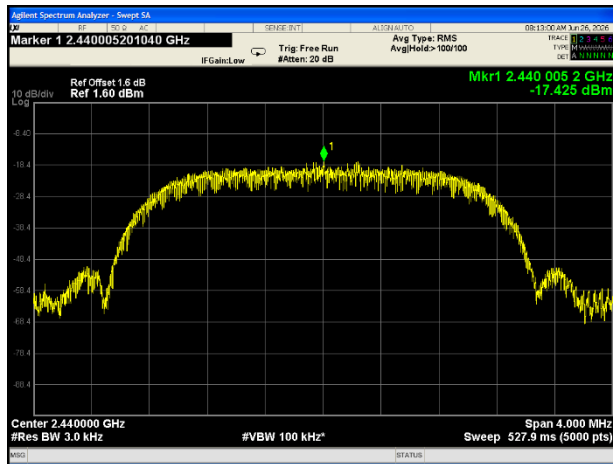
LE PSD Mid Channel



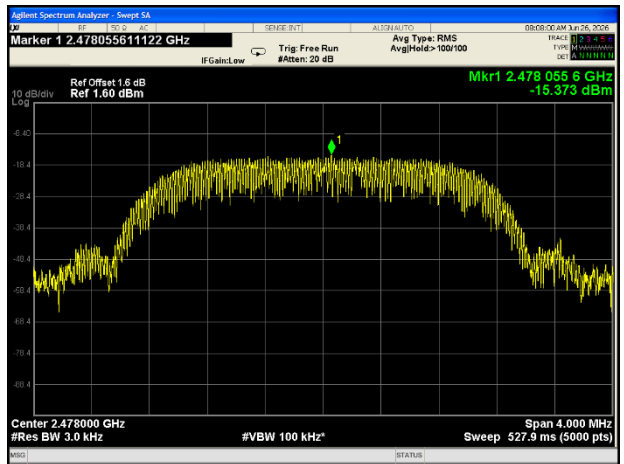
LE PSD High Channel



QHS PSD Low Channel



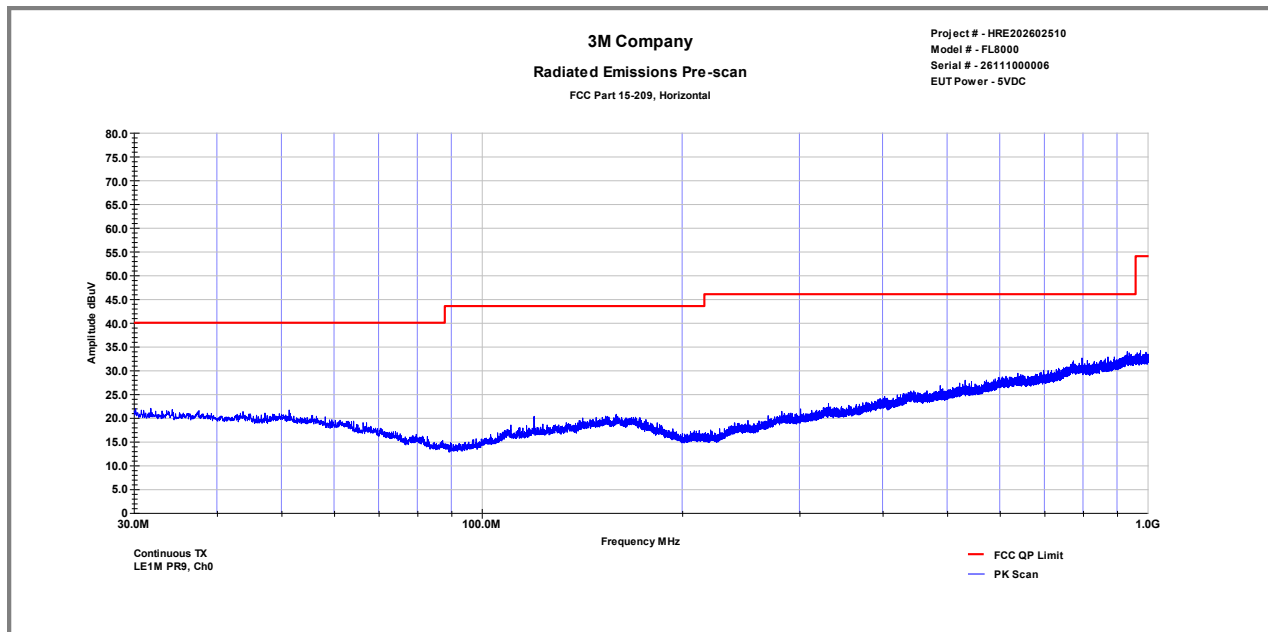
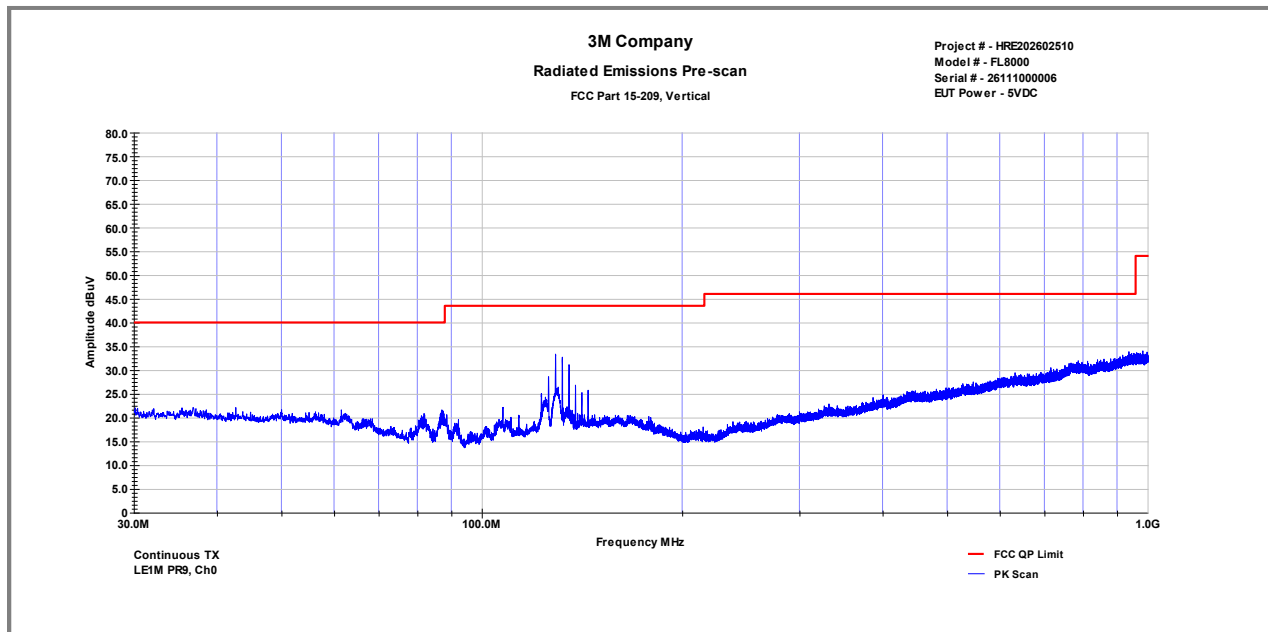
QHS PSD Mid Channel



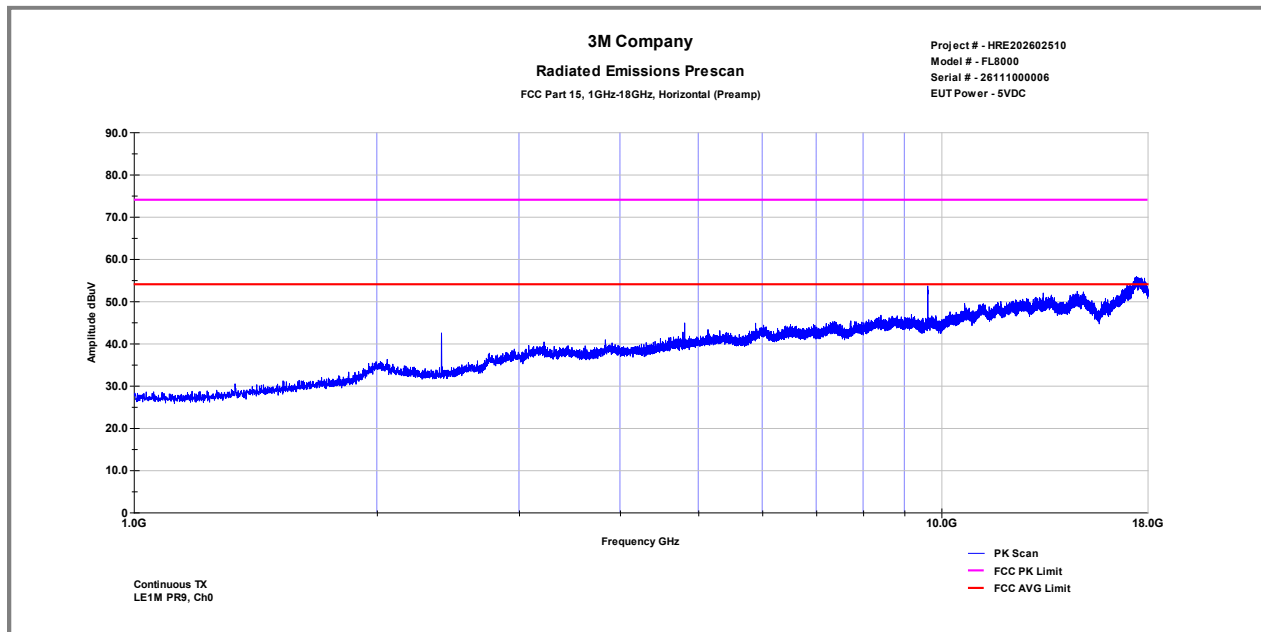
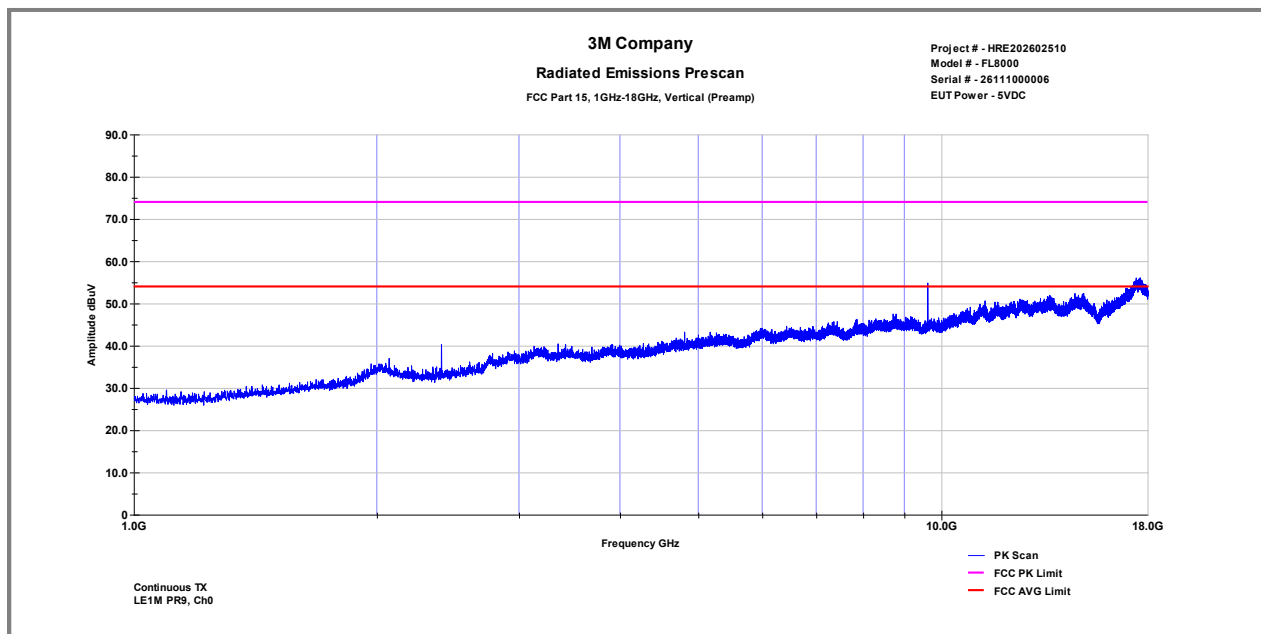
QHS PSD High Channel

4.4	Radiated Emissions in restricted band				
Method:	Measurements were made in a 3-meter semi-anechoic chamber that complies to CISPR 16/ANSI C63.4 standards. EUT was rotated through three orthogonal axes to determine which attitude (orientation) and arrangement produces the highest emission relative to the limit; the attitude and device arrangement that produces the highest emission relative to the limit was used in making final radiated emission measurements. Spurious Radiated emissions measurements were performed with external preamp and a high pass filter. Final measurements were then performed by rotating the EUT 360° and adjusting the receive antenna height from 1 to 4 m. All frequencies were investigated in both horizontal and vertical antenna polarity, where applicable.				
Test Verification: ☒	Laboratory Ambient Temperature:		23°C		
	Relative Humidity:		55%		
	Atmospheric Pressure:		1011 mbars		
Reference Standard(s):	☒ ANSI C63.10:2020, Section 11.12.1 ☒ FCC Part 15.205/15.209/RSS Gen (8.9) ☒ KDB 558074		Measurement Distance		
			☒ 3 Meters ☐ 		
Frequency Range:	☒ 30 MHz to 1 GHz		RBW = 100KHz, VBW ≥ 3 x RBW		
	☒ 1 GHz to 25 GHz		RBW = 1MHz, VBW ≥ 3 x RBW		
Nominal Voltage:	☐ 120VAC ☒ 5.0VDC				
Test Personnel:	Jayden Alstad <i>J.A.</i>			Date: 07/02/2026	
Limits –15.209 and RSS Gen					
Frequency (MHz)	Limit dB (µV/m)			Distance	Results
	Quasi-Peak	Average	Peak		
0.009-0.490		2400/F(KHz)		300	N/A
0.490-1.705	24000/F(KHz)			30	N/A
1.705-30	30			30	N/A
30 to 88	40			3	pass
88 to 216	43.5			3	pass
216 to 960	46			3	pass
Above 960		54	74	3	pass

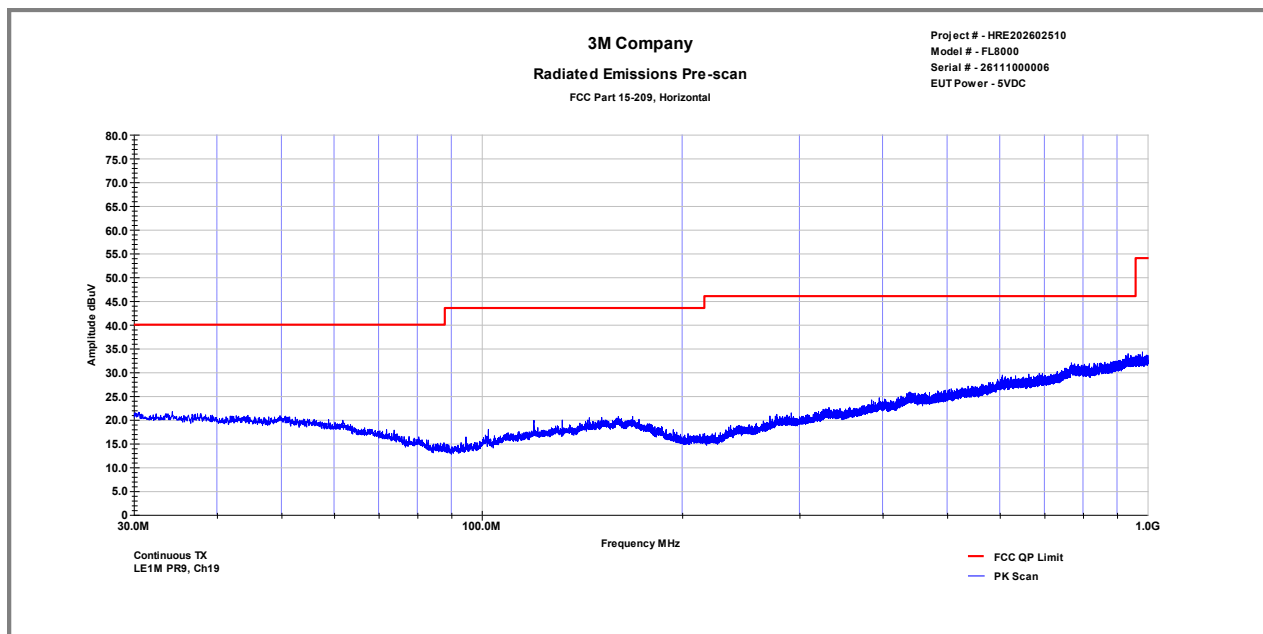
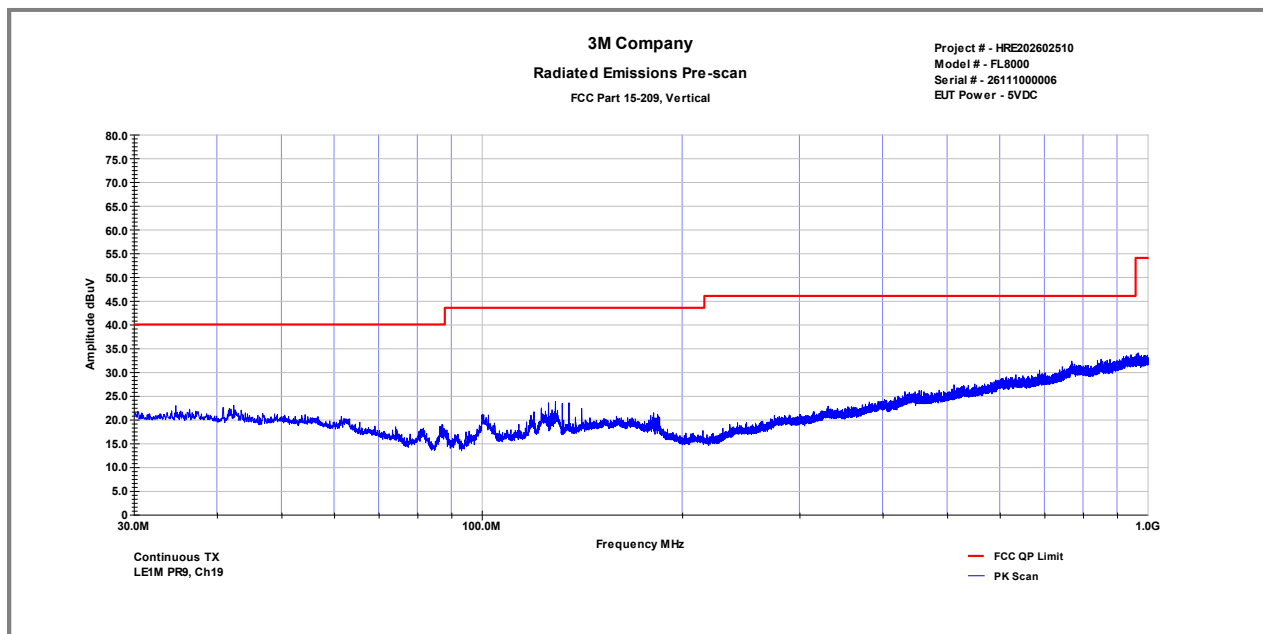
Modifications:	
Note:	The lower limit applies at the transition frequency. An inverse proportionality factor of 20 dB per decade has been used to normalize the measured data to the specified distance for determining compliance For emission in the restricted bands, the limit of 15.209 was used. There are no emissions were detected in the 15.205 restricted band within 30dB below 15.209 limit adjacent or nearby to 2400-2483.5MHz frequency band during operation at the high channel. No radiated spurious emissions were detected above 18GHz



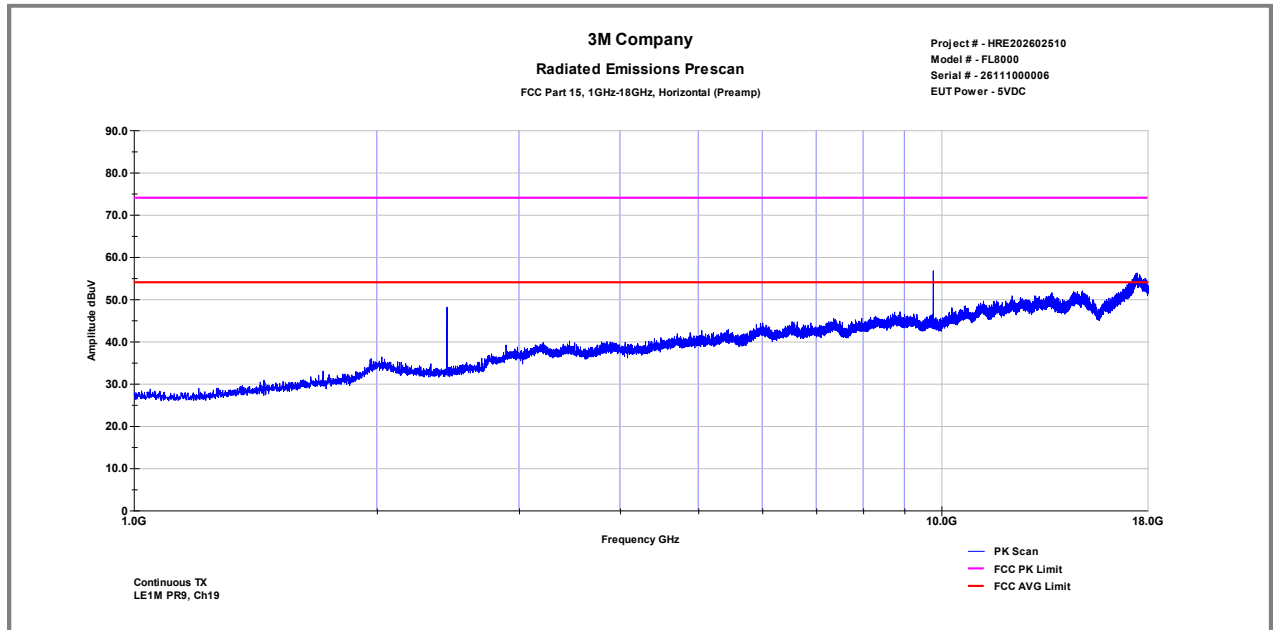
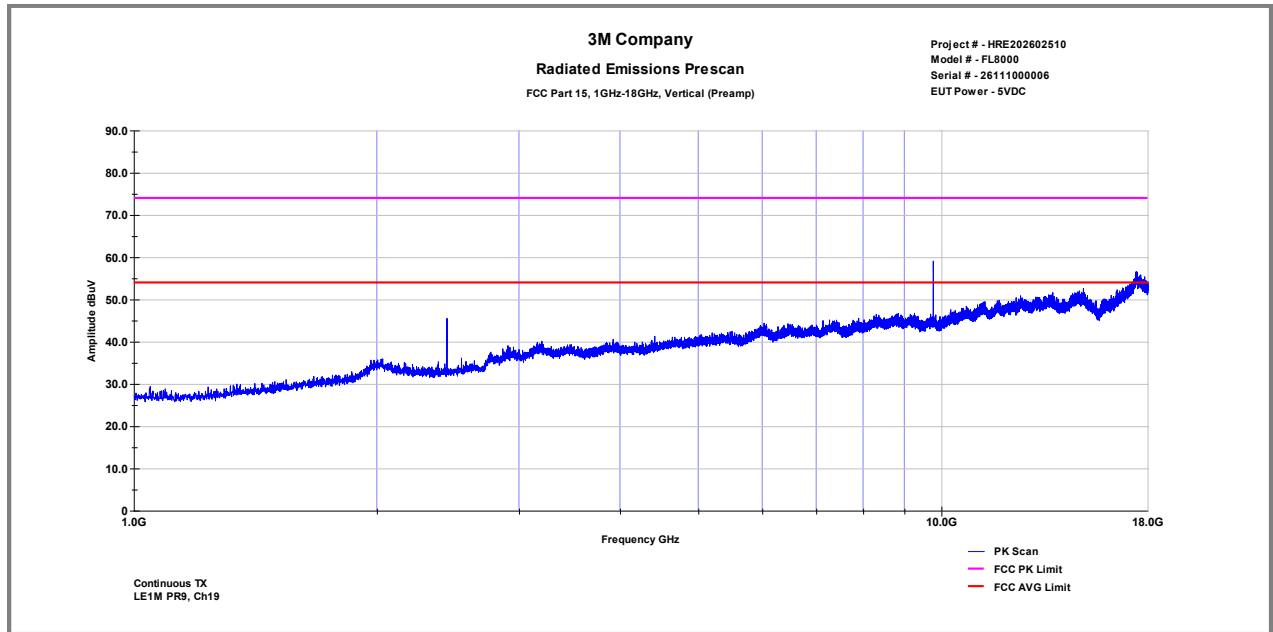
FCC Part 15.209 Radiated Emissions in restricted band – LE Low Channel



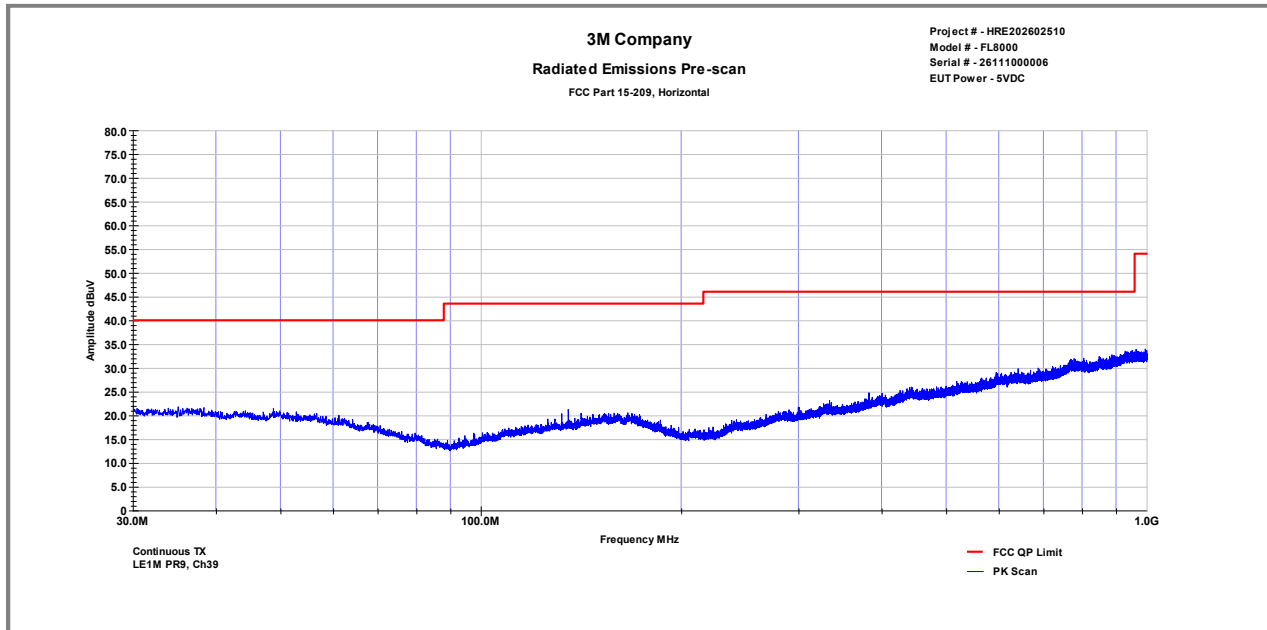
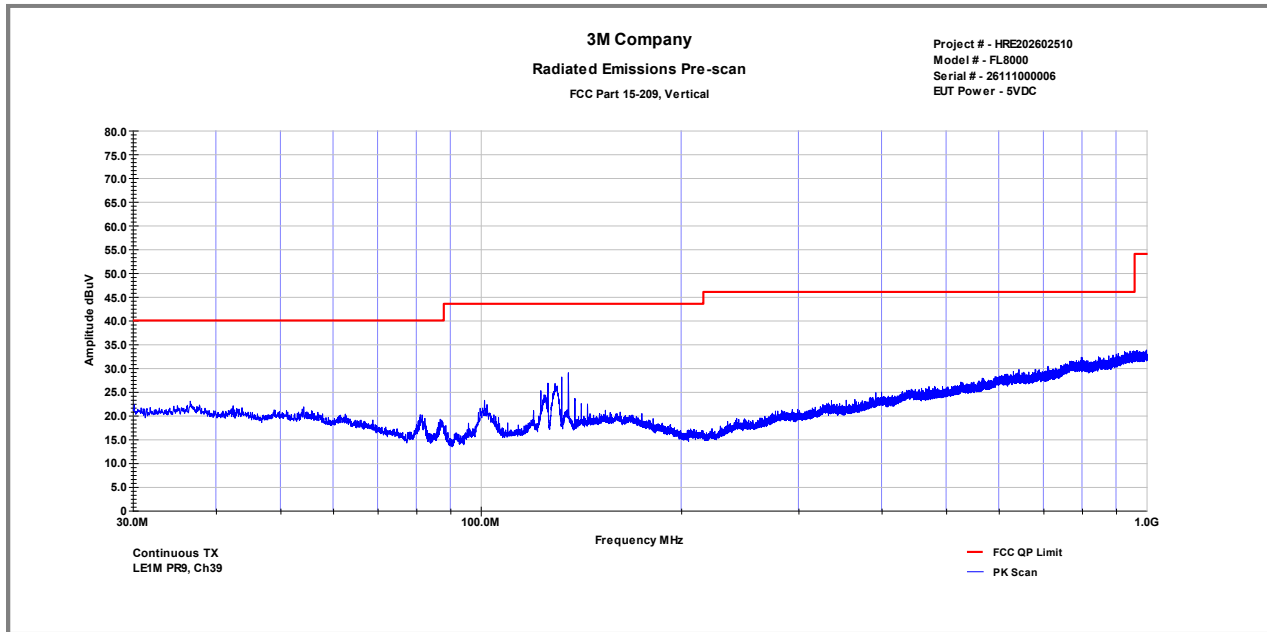
FCC Part 15.209 Radiated Emissions in restricted band – LE Low Channel



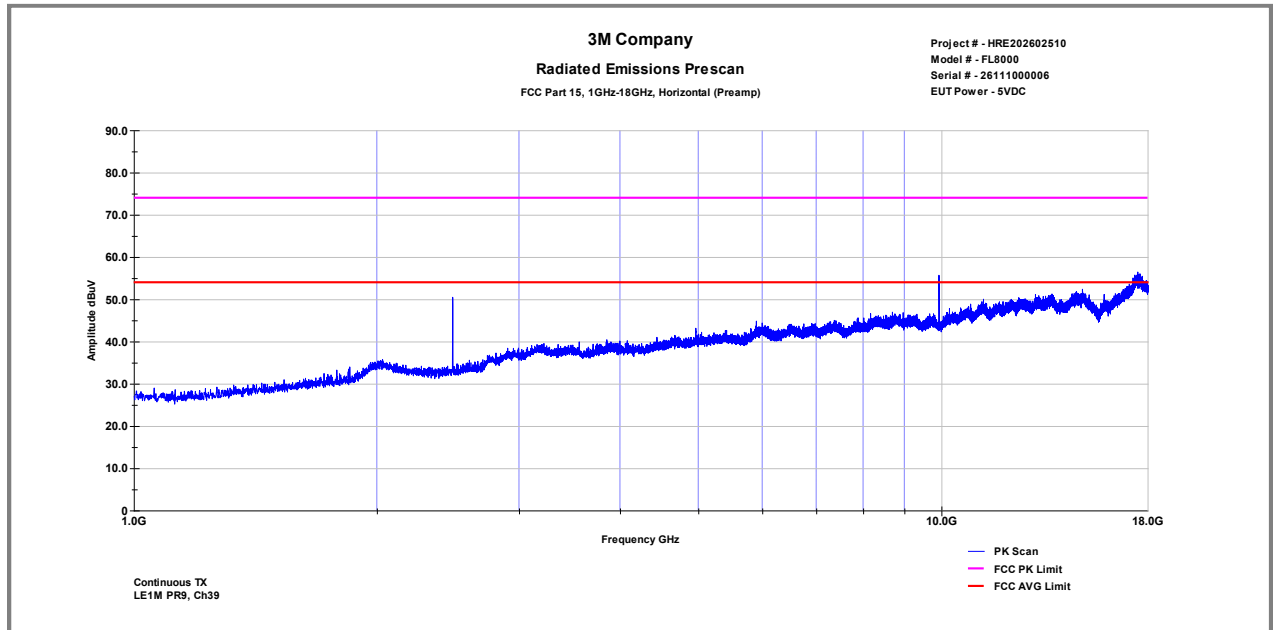
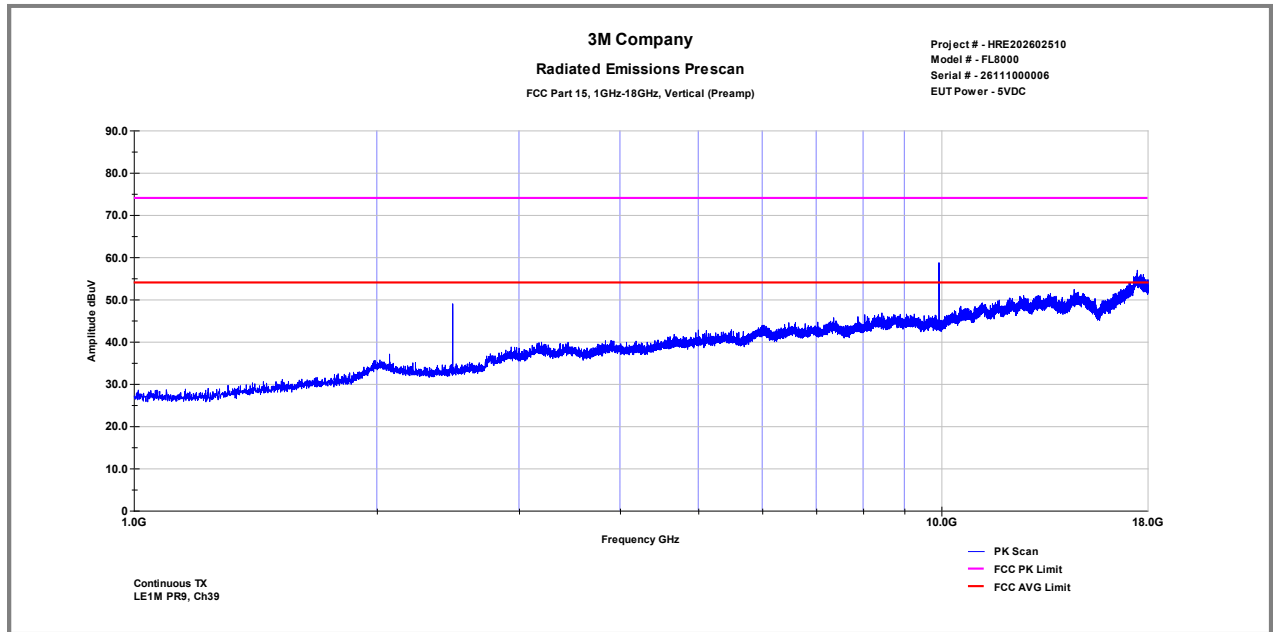
FCC Part 15.209 Radiated Emissions in restricted band – LE Mid Channel



FCC Part 15.209 Radiated Emissions in restricted band – LE Mid Channel



FCC Part 15.209 Radiated Emissions in restricted band – LE High Channel



FCC Part 15.209 Radiated Emissions in restricted band – LE High Channel



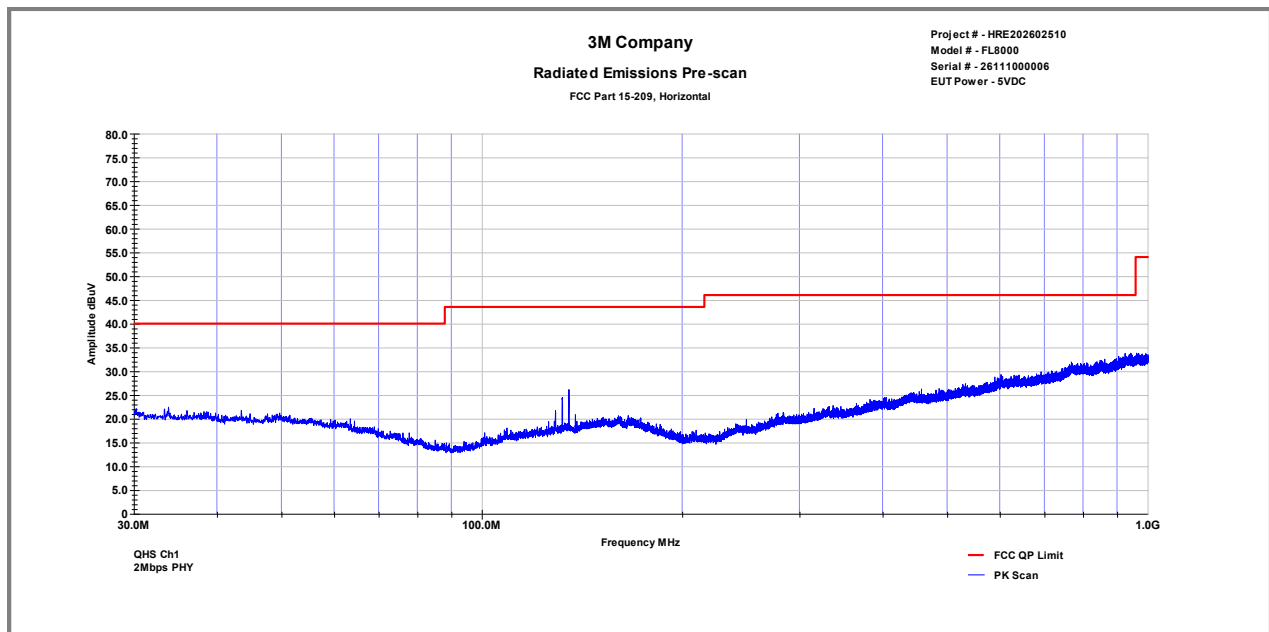
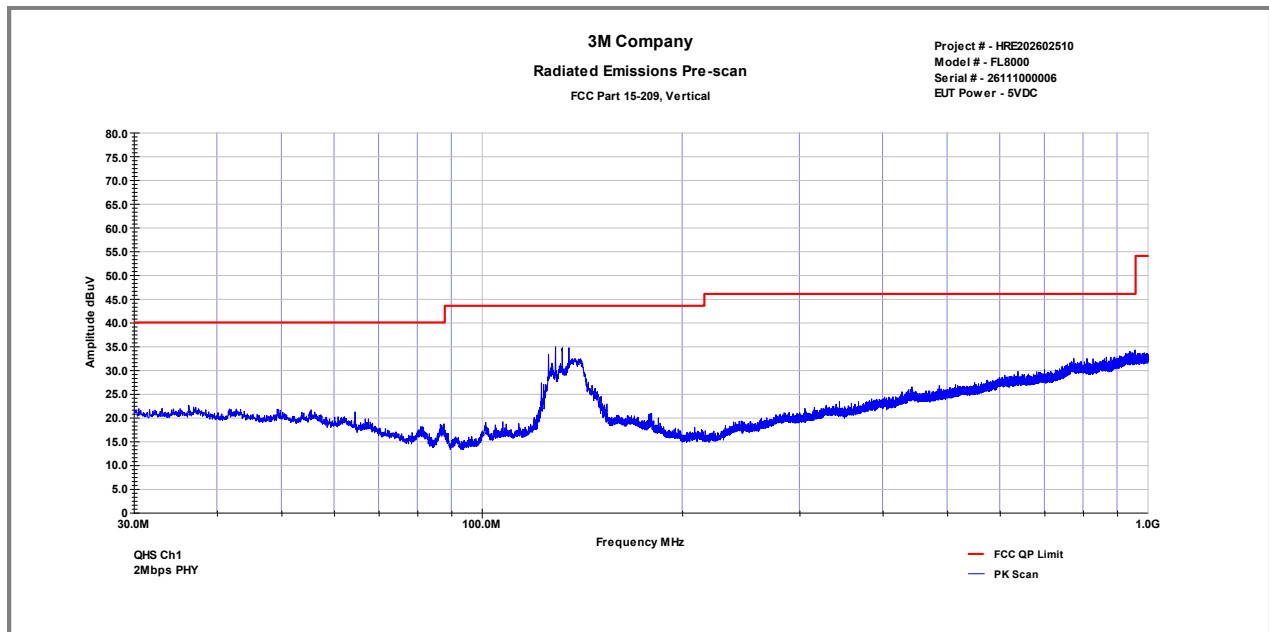
Tables - Radiated Emissions in restricted band

Frequency (MHz)	Pol.	QP Reading dB μ V/m	Total CF dB	Net at 3 m dB μ V/m	Limit (dB μ V/m)	Margin dB
125.81	V	9.2	16	25.2	43.5	-18.3
128.81	V	15	16.2	31.2	43.5	-12.3
131.9	V	15.2	16.5	31.7	43.5	-11.8
134.93	V	11.6	17	28.6	43.5	-14.9
137.33	H	2.3	17.1	19.4	43.5	-24.1
144.2	V	6	17.9	23.9	43.5	-19.6
Notes:	Net Reading (dB μ V) = Reading (dB μ V) + Antenna CF(dB)+Cable CF(dB) – Amp Gain(dB) LE Low Channel					

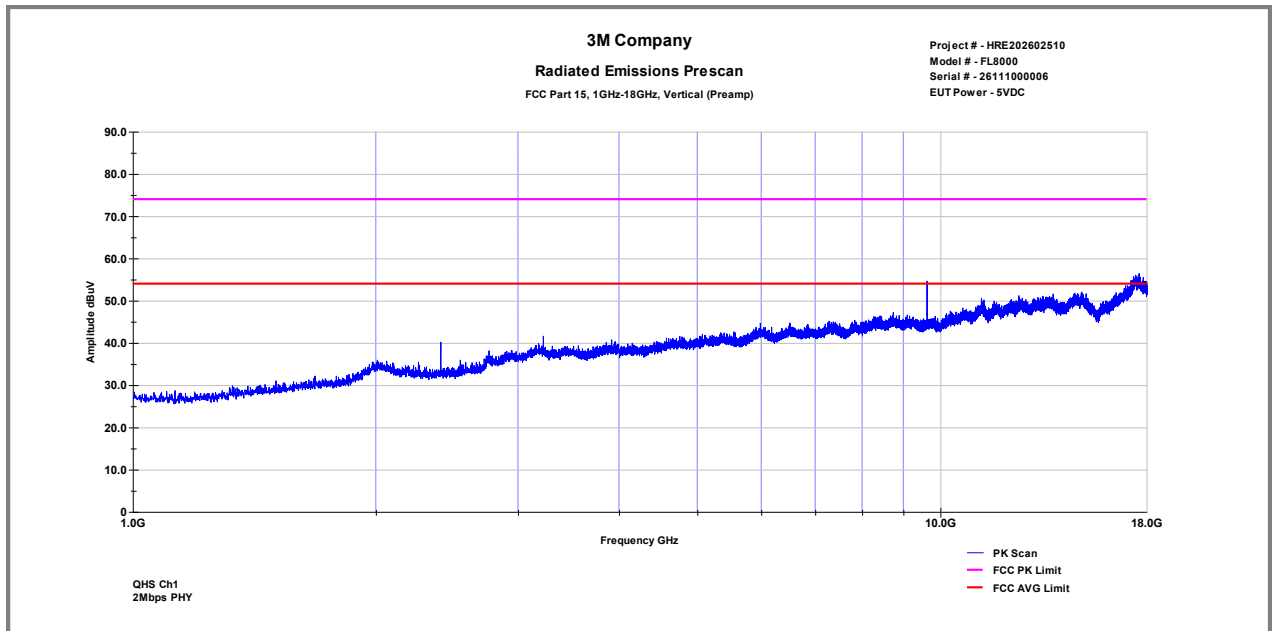
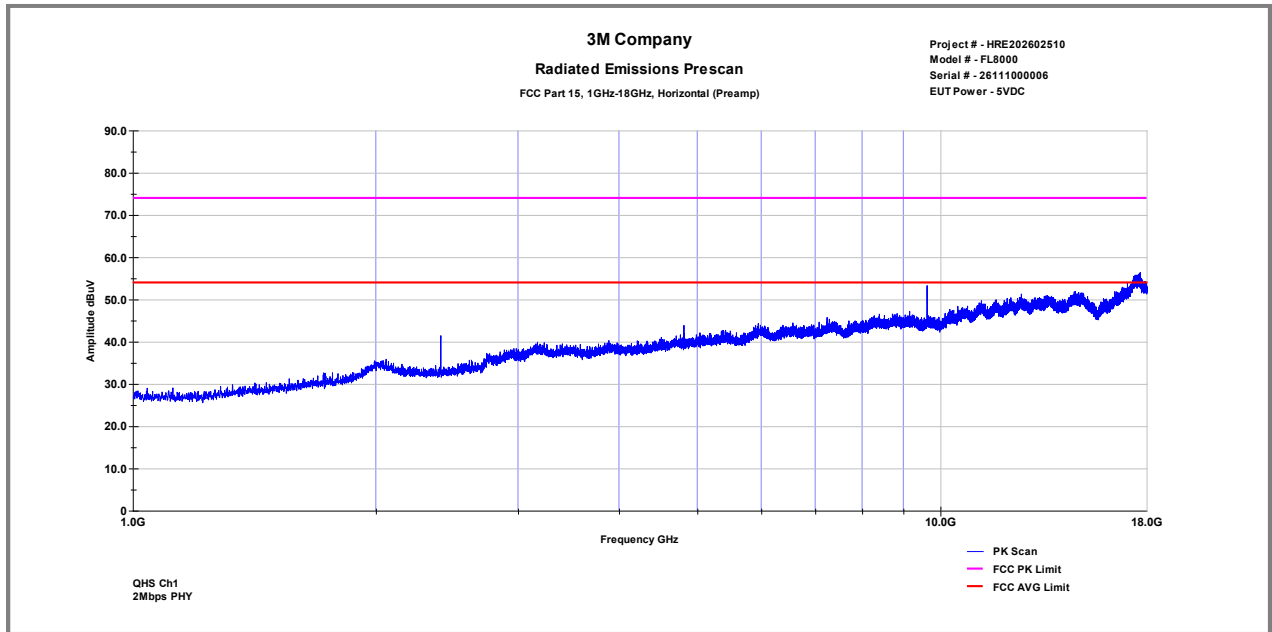
Frequency (MHz)	Pol.	QP Reading dB μ V/m	Total CF dB	Net at 3 m dB μ V/m	Limit (dB μ V/m)	Margin dB
41.99	H	3.4	17.8	21.2	40	-18.8
99.65	V	2.6	13.5	16.1	43.5	-27.4
128.15	V	4.2	16.2	20.3	43.5	-23.2
135.32	V	2.3	17	19.3	43.5	-24.2
767.33	H	3.4	28.4	31.8	46	-14.2
980.27	H	3.6	30.4	33.9	54	-20.1
Notes:	Net Reading (dB μ V) = Reading (dB μ V) + Antenna CF(dB)+Cable CF(dB) – Amp Gain(dB) LE Mid Channel					

Frequency (MHz)	Pol.	QP Reading dB μ V/m	Total CF dB	Net at 3 m dB μ V/m	Limit (dB μ V/m)	Margin dB
35.9	H	4	17.1	21.1	40	-18.9
100.4	H	2.5	13.7	16.2	43.5	-27.3
126.32	V	2.7	16.1	18.8	43.5	-24.7
129.71	V	6.9	16.2	23.1	43.5	-20.4
132.11	V	2.4	16.5	18.9	43.5	-24.6
135.26	H	2.3	17	19.3	43.5	-24.2
Notes:	Net Reading (dB μ V) = Reading (dB μ V) + Antenna CF(dB)+Cable CF(dB) – Amp Gain(dB) LE High Channel					

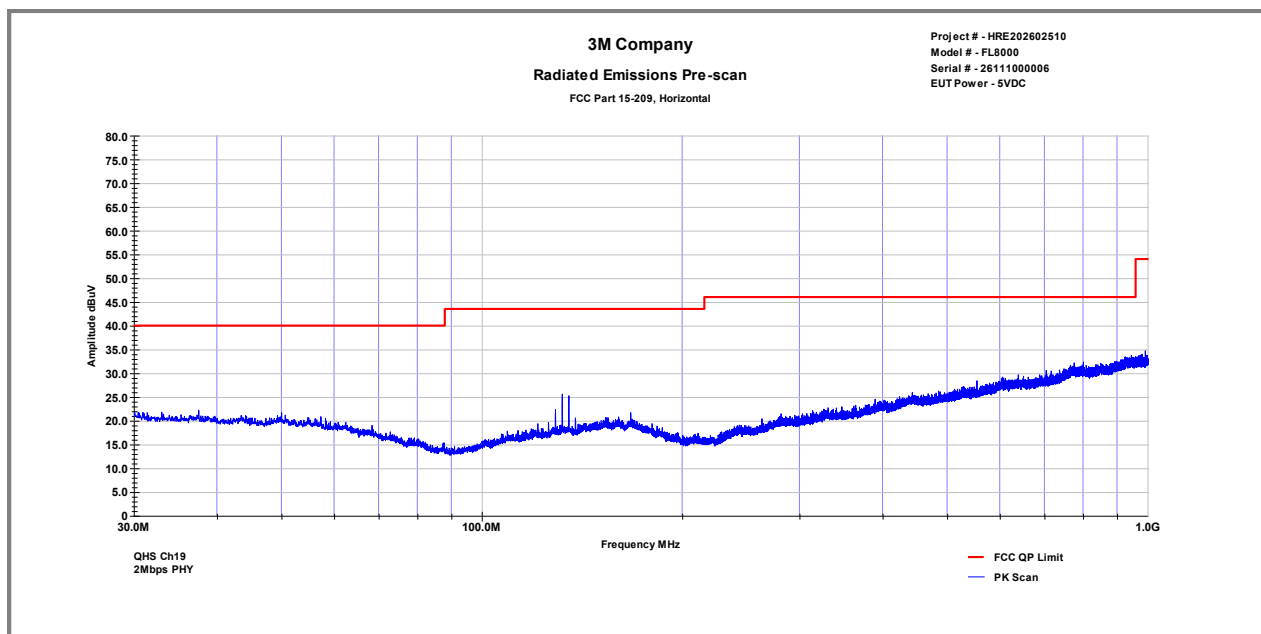
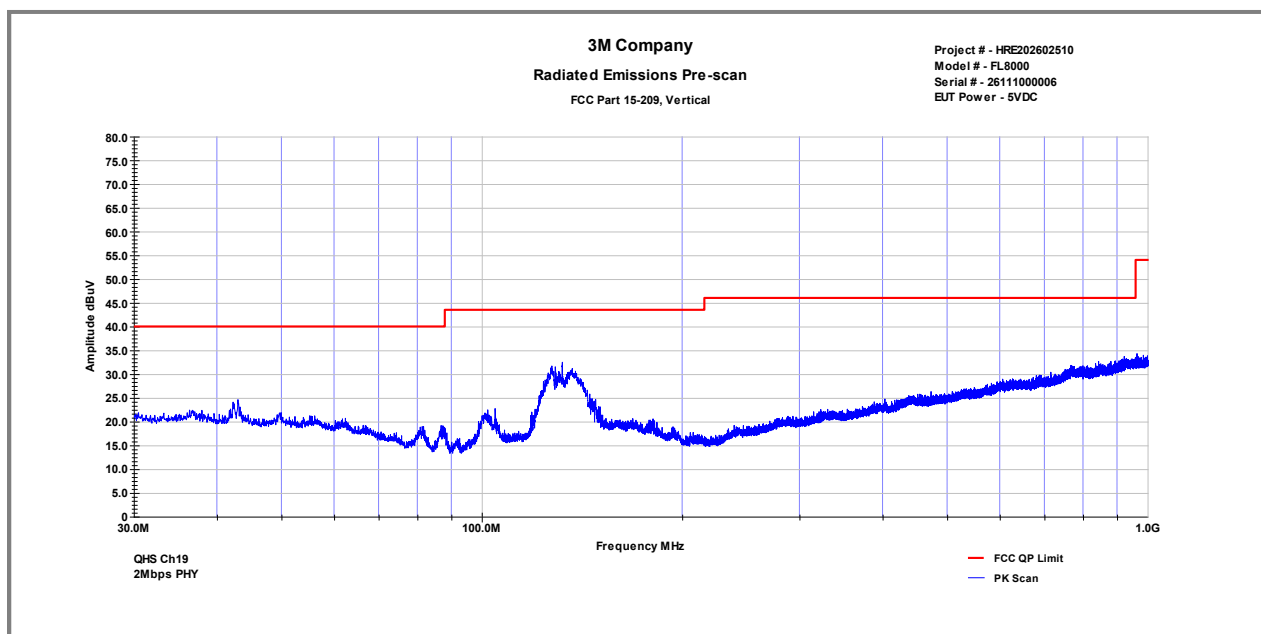
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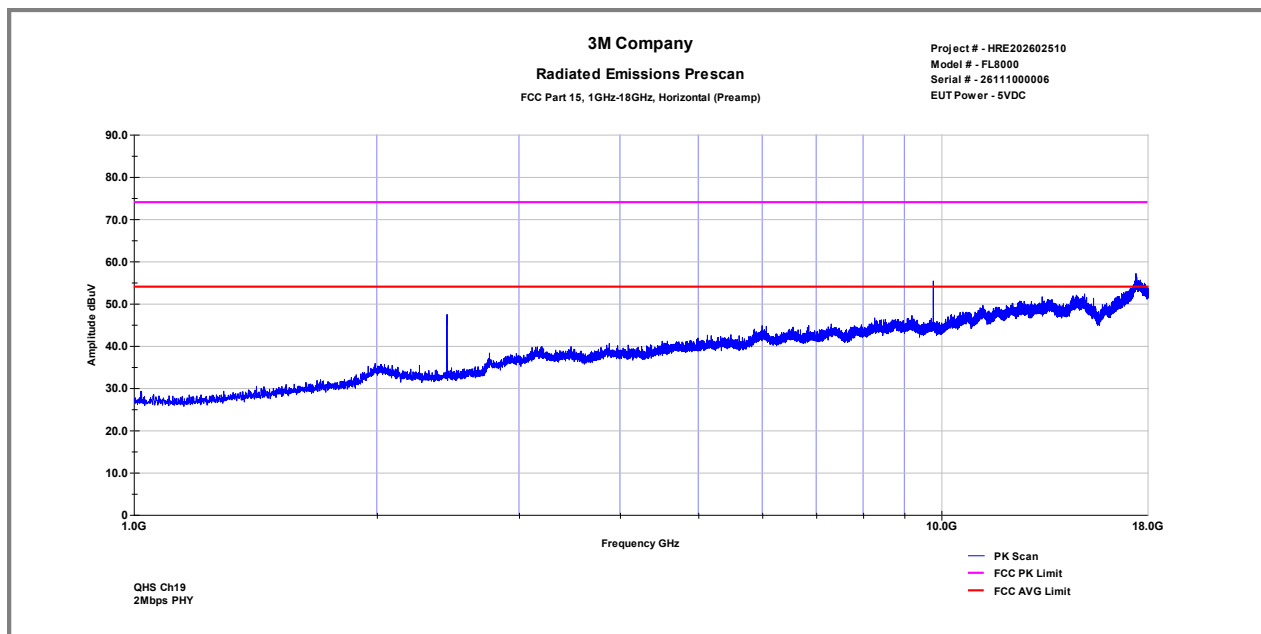
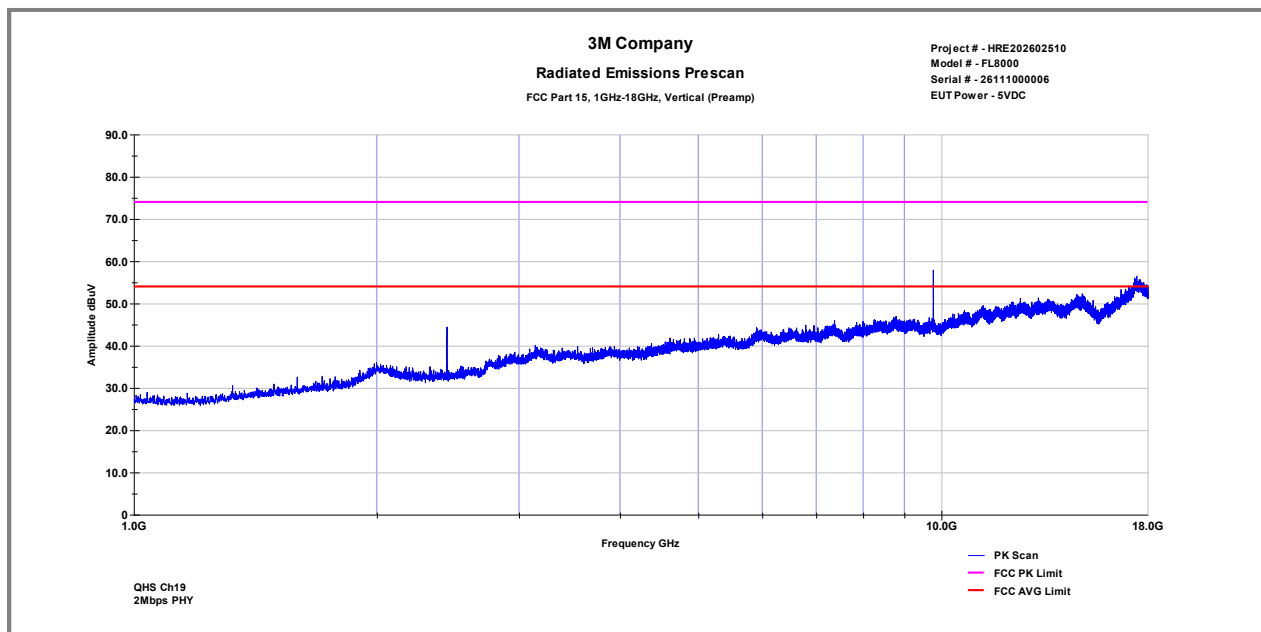
FCC Part 15.209 Radiated Emissions in restricted band – QHS Low Channel



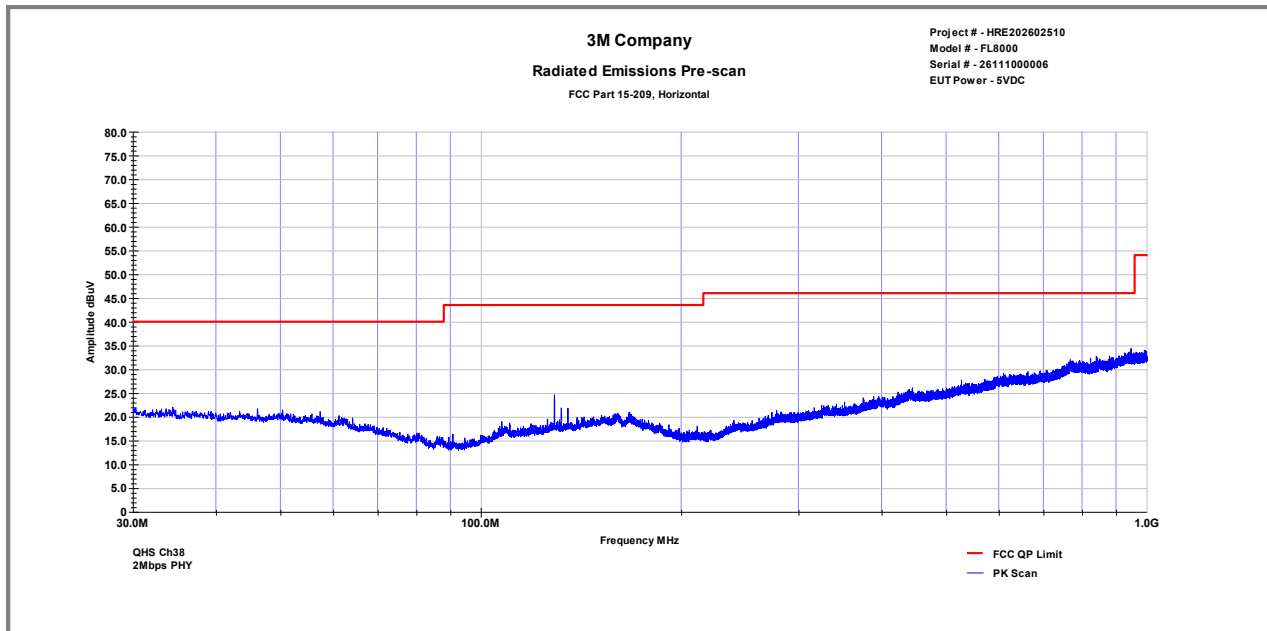
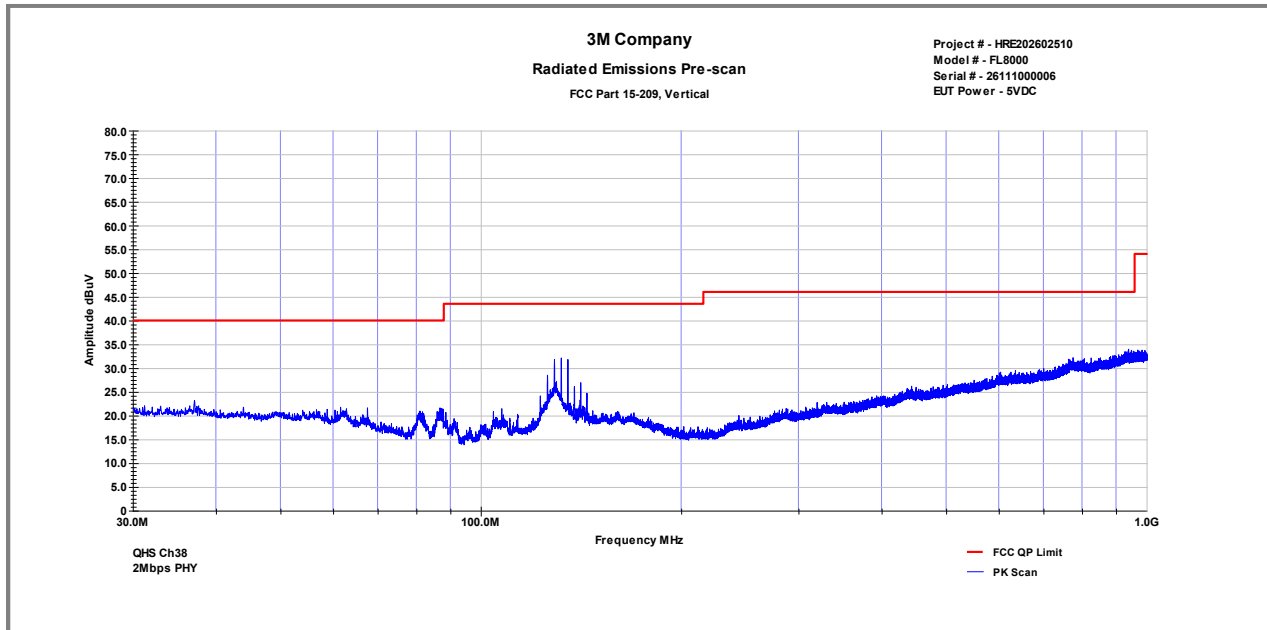
FCC Part 15.209 Radiated Emissions in restricted band – QHS Low Channel



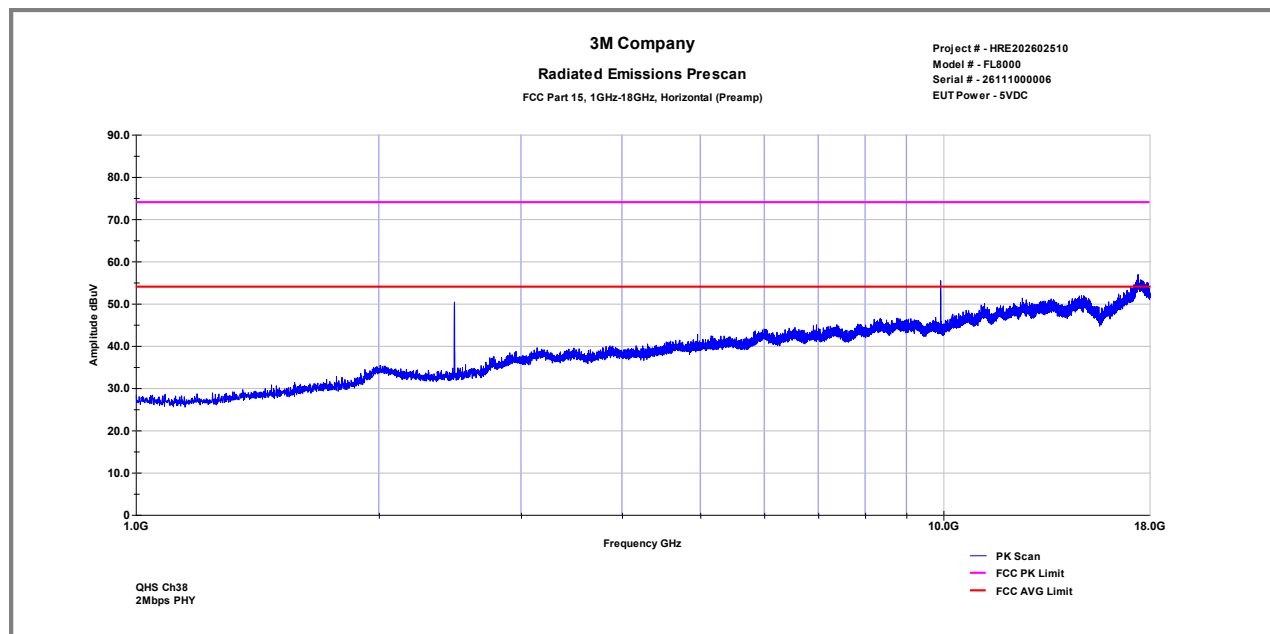
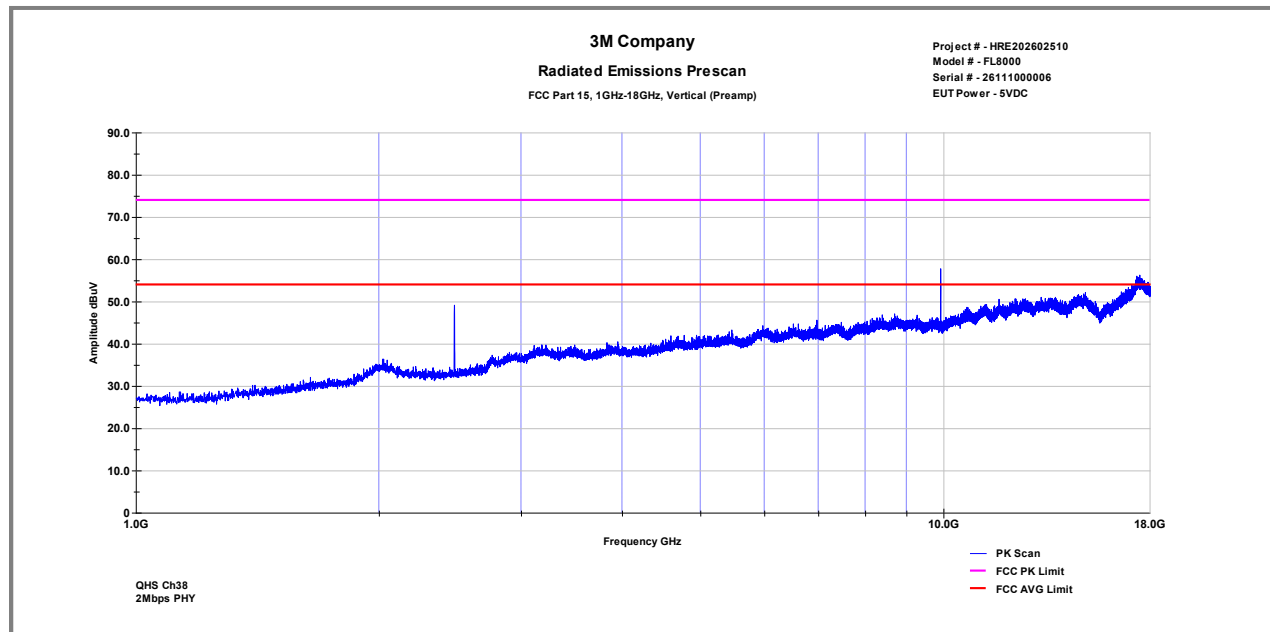
FCC Part 15.209 Radiated Emissions in restricted band – QHS MID Channel



FCC Part 15.209 Radiated Emissions in restricted band – QHS MID Channel



FCC Part 15.209 Radiated Emissions in restricted band – QHS High Channel



FCC Part 15.209 Radiated Emissions in restricted band – QHS High Channel



Tables - Radiated Emissions in restricted band

Frequency (MHz)	Pol.	QP Reading dB μ V/m	Total CF dB	Net at 3 m dB μ V/m	Limit (dB μ V/m)	Margin dB
35.93	V	4.1	17.1	21.1	40	-18.9
125.75	V	9.3	16	25.3	43.5	-18.2
127.85	V	4.2	16.2	20.4	43.5	-23.1
131.93	V	12.6	16.5	29	43.5	-14.5
134.93	H	5.5	17	22.5	43.5	-21
956.9	V	3.5	30.4	34	46	-12
Notes:	Net Reading (dB μ V) = Reading (dB μ V) + Antenna CF(dB)+Cable CF(dB) – Amp Gain(dB) QHS Low Channel					

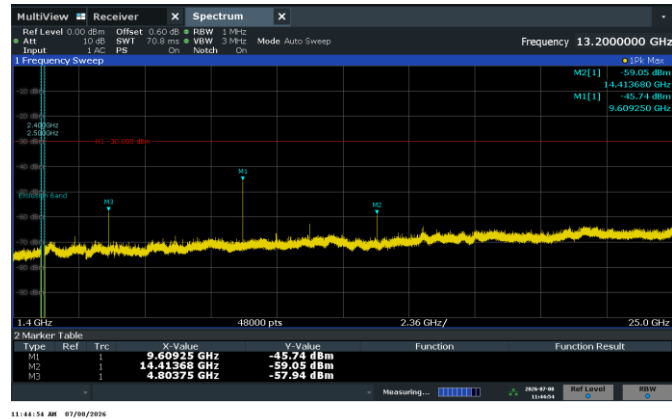
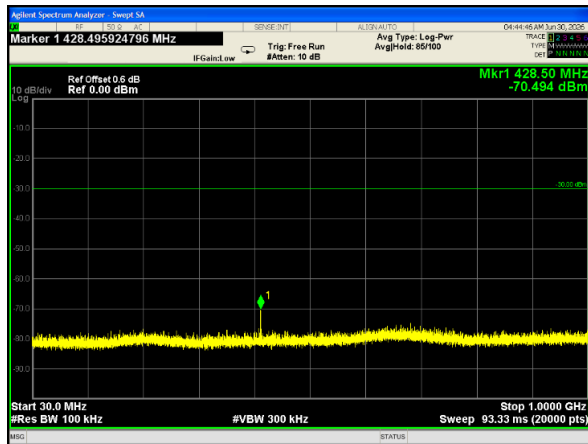
Frequency (MHz)	Pol.	QP Reading dB μ V/m	Total CF dB	Net at 3 m dB μ V/m	Limit (dB μ V/m)	Margin dB
43.43	V	3.2	17.9	21.1	40	-18.9
127.88	V	3.8	16.2	20	43.5	-23.5
131.81	H	7.4	16.5	23.9	43.5	-19.6
134.99	V	8.8	17	25.8	43.5	-17.7
136.28	V	2.4	17.1	19.5	43.5	-24
991.49	H	3.5	30.4	33.9	54	-20.1
Notes:	Net Reading (dB μ V) = Reading (dB μ V) + Antenna CF(dB)+Cable CF(dB) – Amp Gain(dB) QHS Mid Channel					

Frequency (MHz)	Pol.	QP Reading dB μ V/m	Total CF dB	Net at 3 m dB μ V/m	Limit (dB μ V/m)	Margin dB
37.94	H	3.8	17.2	21	40	-19
128.78	V	14	16.2	30.2	43.5	-13.3
131.9	V	14.8	16.5	31.3	43.5	-12.2
135.05	V	5.5	17	22.5	43.5	-21
141.11	V	7.2	17.5	24.7	43.5	-18.8
945.98	H	3.6	30.4	34.1	46	-11.9
Notes:	Net Reading (dB μ V) = Reading (dB μ V) + Antenna CF(dB)+Cable CF(dB) – Amp Gain(dB) QHS High Channel					

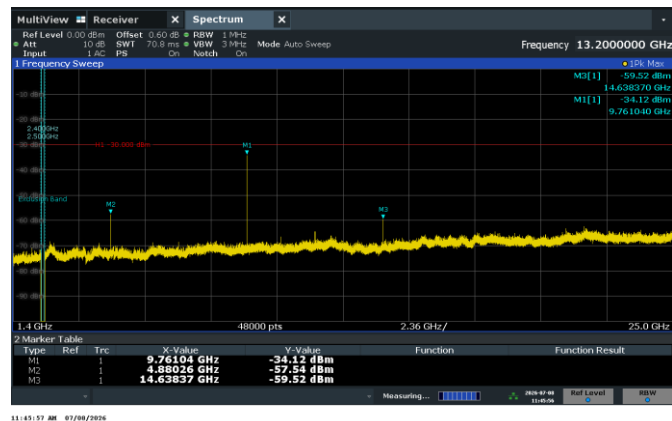
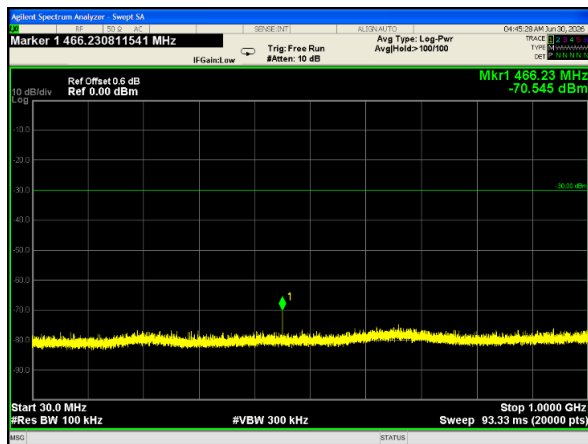
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4.5	Radiated Emissions in non-restricted band		
Method:	The measurements were made with transmitter set to transmit continuously low, medium and high channels.		
	Laboratory Ambient Temperature:	23°C	
	Relative Humidity:	48%	
	Atmospheric Pressure:	1011 mbars	
Reference Standard(s):	☒ ANSI C63.10:2020, Section 11.11 ☒ FCC Part 15.247/RSS 247 ☒ KDB 558074	Measurement Point ☒ Conducted ☐ Radiated	
Frequency Range:	☒ 2402.0-2480.0 MHz		
In-band power in 100KHz:	☒ 3.8dBm/LE ☒ 4.9dBm/QHS	Results:	
Limit:	☒ -26.2dBm (30dBc below in-band power)/LE	>34dBc	
	☒ -25.1dBm (30dBc below in-band power)/QHS	>34dBc	
Nominal Voltage:	☐ 120VAC ☒ 5.0VDC		
Test Personnel:	Yuriy Litvinov <i>Yuriy Litvinov</i>	Date: 07/08/2026	

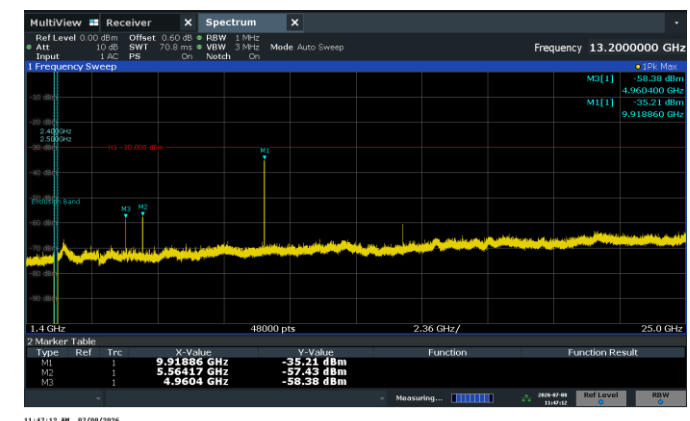
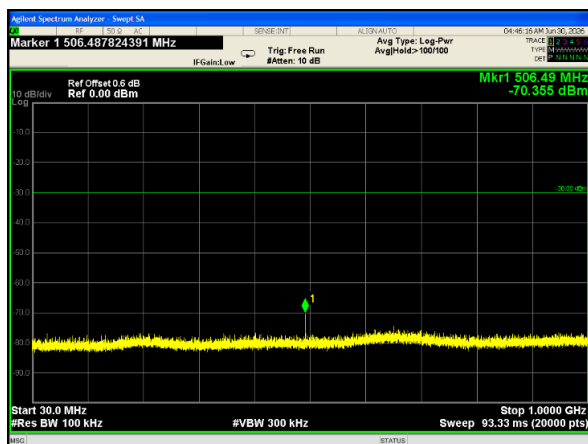
Note:	
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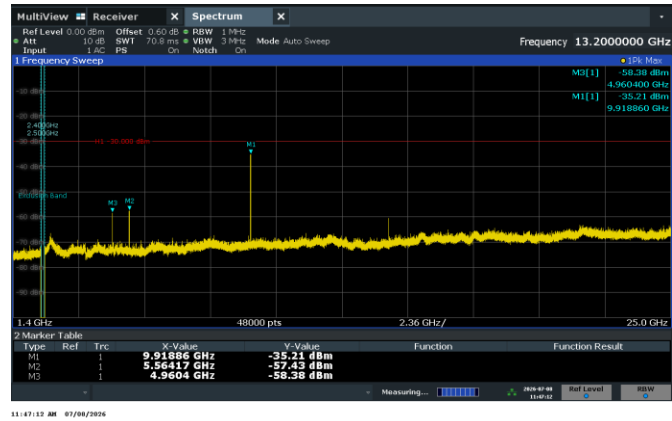
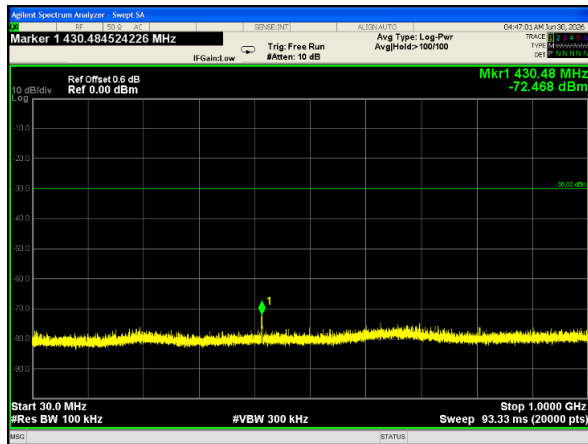
Conducted Spurious – LE Low Channel



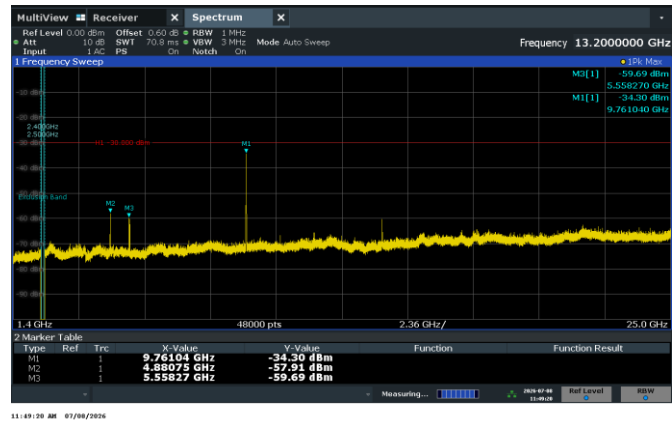
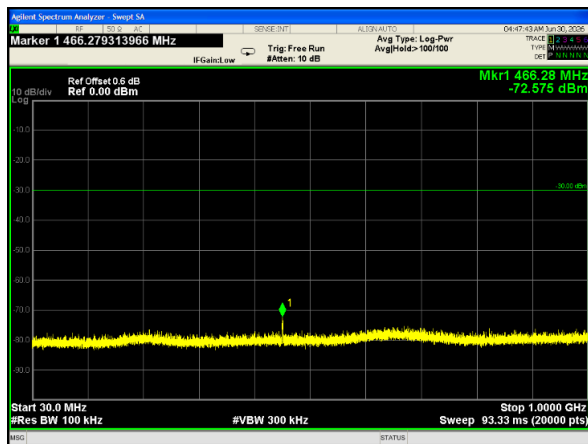
Conducted Spurious – LE Mid Channel



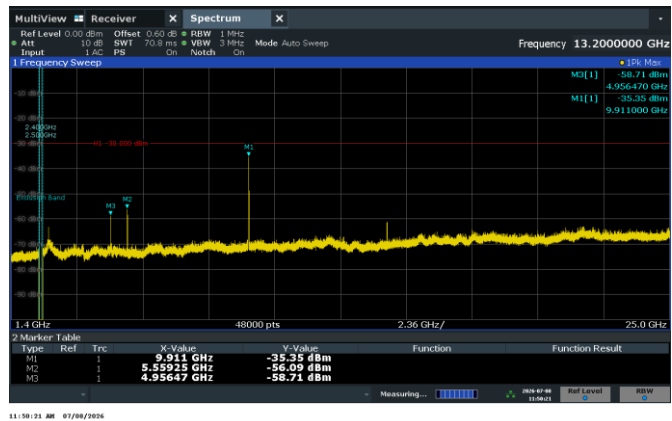
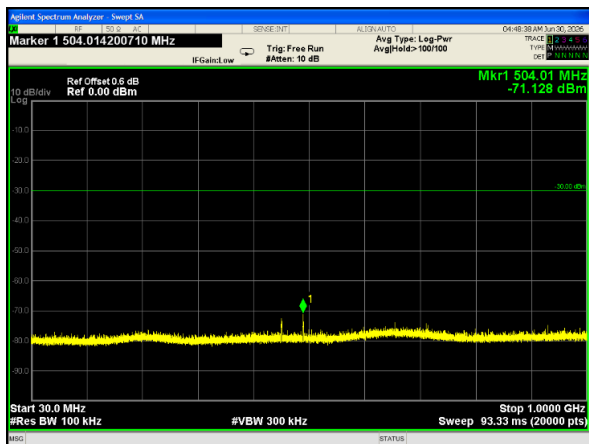
Conducted Spurious – LE High Channel



Conducted Spurious – QHS Low Channel



Conducted Spurious – QHS Mid Channel

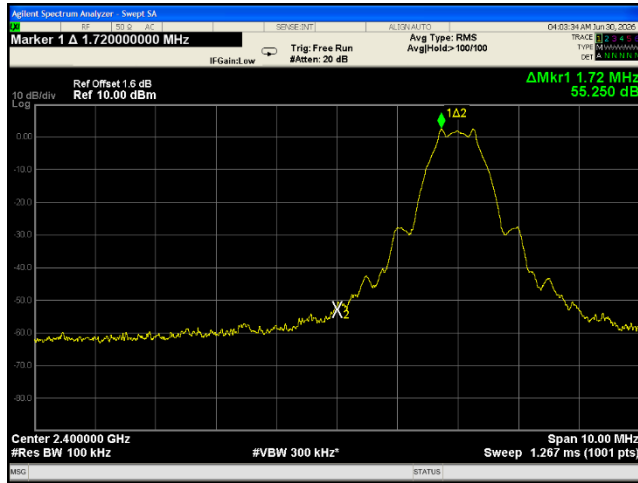
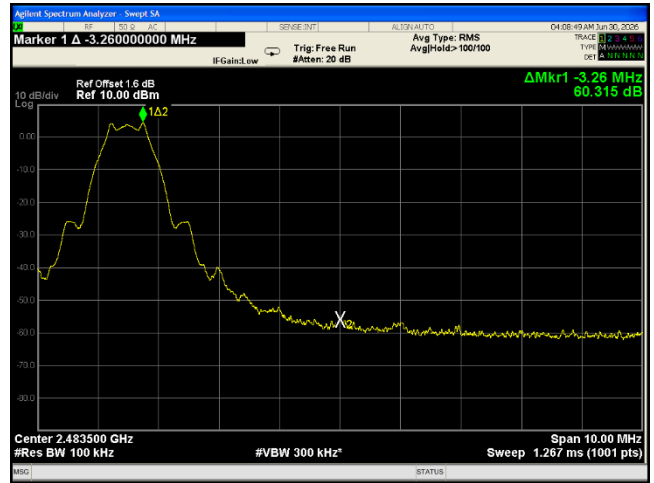
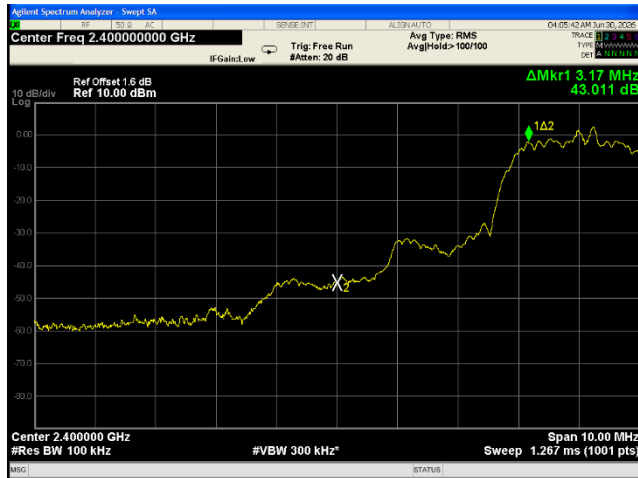


Conducted Spurious – QHS High Channel

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4.6	Band-Edge Compliance		
Method:	The measurements were made with transmitter set to transmit continuously with modulated signal at low and high channels.		
	Laboratory Ambient Temperature:	23°C	
	Relative Humidity:	48%	
	Atmospheric Pressure:	1011 mbars	
Reference Standard(s):	☒ ANSI C63.10:2020, Section 11.13.2 ☒ FCC Part 15.247/RSS 247 ☒ KDB 558074	Measurement Point ☒ Conducted ☐ Radiated	
Frequency Range:	☒ 2402.0-2480.0 MHz	Results	
Limit:	☒ >30dBc	LE Low Ch., 2402 MHz > 55dBc LE High Ch., 2480 MHz > 60dBc QHS Low Ch., 2402 MHz > 43dBc QHS High Ch., 2480 MHz > 51dBc	
Nominal Voltage:	☐ 120VAC ☒ 5.0VDC		
Test Personnel:	Yuriy Litvinov <i>Yuriy Litvinov</i>	Date: 06/025/2026	

Note:	
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Band Edge – LE Low Channel
Center Freq. 2.400GHzBand Edge – LE High Channel
Center Freq. 2.4835GHzBand Edge – QHS Low Channel
Center Freq. 2.400GHzBand Edge – QHS High Channel
Center Freq. 2.4835GHz

4.7	Conducted Emissions Data			
Method:	The AMN was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane. This distance was between the closest points of the AMN and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the AMN. All power was connected to the system through Artificial Mains Network (AMN). Conducted voltage measurements on mains lines were made at the output of the AMN.			
	All power was connected to the system through Artificial Mains Network (AMN). All tested telecommunications lines were connected to an Asymmetric Artificial Network (AAN) and conducted voltage measurements on telecommunications lines were made at the output of the ISN. Where an AAN was not appropriate or available measurements were made using a Capacitive Voltage Probe.			
Test Verification: ☐		Laboratory Ambient Temperature:		
		Relative Humidity:		
		Atmospheric Pressure:		
Reference Standard(s):		☐ RSS Gen/FCC 15.207 ☐ ANSI C63.4:2014 ☐ ANSI C63.10:2020	Measurement Point ☐ Mains ☐ Telecommunication ports ☐	
Nominal Voltage:		☐ 120VAC ☐ 230VAC ☐ VDC		
Test Personnel:				
Limits – Part 15.207/RSS Gen – AC Mains				
Frequency (MHz)	Limit dB (µV)			
	Quasi-Peak	Average	Result	Comments
0.15 to 0.50	66 to 56	56 to 46	N/A	Time Domain Scan
0.50 to 5	56	46	N/A	Time Domain Scan
5 to 30	60	50	N/A	Time Domain Scan

Modifications:	
Note:	

4.8	RF Exposure Evaluation		
Reference Standard(s):		☒ KDB 447498 RF Exposure Guidance v06 ☐ KDB 447498 Interim RF Exposure Guidance v01 ☒ RSS 102, Issue 6 ☐	☐ MPE ☐ SAR Evaluation ☒ SAR Test Exclusion
Frequency Range(s):		☐ 902-928.0MHz ☒ 2402-2480.0MHz ☐	
Antenna Separation Distance:		>5mm	
RF Exposure Conditions:		Portable (Body-worn)	
2.4GHz Antenna Gain:		0.3dBi	
Maximum BT EDR the source-based conducted output power:		2.7mW(4.3dBm)*0.7(FHSS worst case duty cycle) = 1.9mW(2.8dBm)	
Maximum BT EDR EIRP/ERP output power:		EIRP=2.8dBm + 0.3dBi=3.1dBm(2.04mW) <3mW ERP=3.1dBm - 2.15dB=0.95dBm(1.24mW) <3mW	
Maximum QHS the source-based conducted output power:		3.1mW(4.9dBm)*0.85(worst case duty cycle) = 2.64mW(4.2dBm)	
Maximum QHS EIRP/ERP output power:		EIRP=4.2dBm + 0.3dBi=4.5dBm(2.82mW) <3mW ERP=4.5dBm - 2.15dB=2.35dBm(1.7mW) <3mW	
The SAR Exclusion Threshold Level			
FCC Part 2.1093		3mW>5mm @2.45GHz	
RSS 102, Issue 6		3mW>5mm @2.45GHz	

Note:	
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5.0	Test Equipment				
Test Equipment Used					
Description	Manufacturer	Model	Identifier	Last Cal. Date	Check
Biconilog Antenna	Schwarzbeck	VULB 9168	9168-1070	10/20/2025	☒
Horn Antenna	A.H. Systems	SAS 571	1010	10/20/2025	☒
Loop Antenna	A.H. Systems	EHA-51B	1213E	10/20/2025	☐
EMI Receiver	Rohde & Schwarz	ESW26	101412	10/20/2025	☒
Signal Analyzer	Agilent	N9000A	MY53031040	10/20/2025	☒
EMI Receiver	Agilent	E4448A	1530975	10/20/2025	☐
LISN	TESEQ	NNB51	1130	10/20/2025	☐
Coaxial Cable	Insulated Wire	2803	CBL2039	10/20/2025	☒
EMC Software	ETS-Lindgren	TILE 7		N/A	☒
Equipment Calibration Interval:		☒ 12 months ☐ 24 months			

6.0	Report revision history		
Revision Level	Date	Report Number	Notes
0	0715/2026	HRE202602510-1	Original Issue