

The TCB Council's RF Exposure Training &

WORKSHOP

• October 14-17, 2024 • Baltimore & Online •

Workshop Activity Schedule

Monday, October 14	9:00 AM to 5:00 PM	RF Exposure Training
Tuesday, October 15	9:00 AM to 5:00 PM	Workshop Day One
Wednesday, October 16	8:00 AM	TCB Council Membership Meeting
	9:00 AM to 5:00 PM	Workshop Day Two (FCC)
	6:00 PM to 9:30 PM	TCBC Social – Guinness Brewery
Thursday, October 17	9:00 AM to 5:00 PM	Workshop Day Three
	11:45 AM to 12:45 PM	Q&A Session for Basic Training Participants – Ravens Room

TCB Council LMS

The Workshop continues to be a paper-free event.

Digital workshop materials

are available on the TCB Council LMS at <https://tbcouncil.mclms.net/en/>. Registrants can then click login to enter their classroom. Look for your login information in your official email. Contact the TCB Council with any questions. Support@TCBCouncil.org. Agenda is observed in Eastern Standard time (EST). Workshop Registration is available at www.tbcouncil.org/



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Monday, October 14, 2024

RF Exposure Day *

Time		Session Topic	Presenters
9:00 AM		Welcome	Chris Harvey TCB Council
	10:15 AM	Big Picture – History of SAR <ul style="list-style-type: none"> • History of USA and SAR • History of Canada and SAR • Europe and SAR 	Q Balzano, IT'ISUSA
10:15 AM	10:30 AM	BREAK	
10:30 AM	11:15 AM	Continue - Big Picture <ul style="list-style-type: none"> • Rest of the World and SAR 	Nate Grinager Approve-IT
11:15 AM	12:00 PM	Measurement Methods <ul style="list-style-type: none"> • SAR limits by frequency • Types of RF Exposure <ul style="list-style-type: none"> ○ SAR (psSAR, wbSAR, etc.) ○ Absorbed Power Density ○ Incident Power Density ○ E/H Field ○ Low Frequency SAR ○ Time-Averaged SAR/IPD • SAR and RF Exposure Measurement Standards 	Kaitlin O'Keefe RF Safety Lab
12:00 PM	1:00 PM	BREAK	
1:00 PM	2:00 PM	Continue - Measurement Methods	
2:00 PM	3:00 PM	What goes into SAR Testing? <ul style="list-style-type: none"> • Tissue measurements • System checks • SAR Testing • Reporting SAR 	Jay Moulton RF Exposure Lab
3:00 PM	3:30 PM	BREAK	
3:30 PM	5:00 PM	Practicum: Going through device Examples <ul style="list-style-type: none"> • Various product types covered include Wearable, headsets, phones, tablet • Mobile: MPE, whole body SAR • Exempted devices (FCC KDB, RSS-102 Issue 6 exemptions) • Vehicle, Low Earth Orbit, Others 	Steve Liu RF Safety Lab

*Attendance for this RF Exposure Training requires a registration for Monday, October 14, 2024.



Tuesday, October 15, 2024

Workshop Day One

Time		Session Topic	Presenters
9:00 AM	9:15 AM	Welcome and Introductions	Chris Harvey The TCB Council
9:15 AM	10:15 AM	NIST – MRA Updates	Ramona Saar and Nathalie Rioux National Institute of Standards and Technology (NIST)
10:15 AM	10:30 AM	BREAK	
10:30 AM	12:00 PM	ISED Canada – CEB Updates	Nicolas Desmarais and Jason Nixon ISED Canada Certification and Engineering Bureau (CEB)
12:00 PM	1:00 PM	BREAK	
1:00 PM	2:00 PM	ISED Canada Standards – DRS Updates	Stephan Meyer and Yan Losier ISED Canada Directorate of Regulatory Standards (DRS)
2:00 PM	3:00 PM	Europe Report – RED and UK-RER	Michael Derby Element Materials Technology
3:00 PM	3:30 PM	BREAK	
3:30 PM	4:30 PM	KDB Sharing Session	Greg Czumak ACB Inc
4:30 PM	5:00 PM	Radio Technology Approvals – India & AU	Praveen Rao and Dishant Kumar C-Prav



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The TCB Council's Workshop

Wednesday, October 16 2024

Day Two



Time	FCC Session Topic	Presenters
8:00 – 8:45	TCB Council Membership meeting	Members Only
9:00 – 10 AM	1.0 Introduction and Administrative	
	2.0 FCC HQ Session(s)	
10:00 – 10:30 AM	BREAK	
10:30 – Noon	3.0 EMC & Related Topics	
Noon – 1:00 PM	LUNCH BREAK	
1:00 PM – 3:00 PM	4.0 RF Exposure	
3:00 – 3:30 PM	BREAK	
3:30 – 5:00 PM	5.0 FCC Reviews	
5:00 PM	Conclusion	
	FCC Session Summary: Q & A	

* FCC Sessions and topics subject to change/update



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Thursday, October 17 2024,
Workshop Day Three

Time		Session Topic	Presenters
9:00 AM	9:45 AM	A Deep Dive into the FCC KDB 987594 for Testing WLAN Devices	Feng Xie Rohde & Schwarz
9:45 AM	10:30 AM	Measurements using modern Spectrum Analyzers	Bill Koerner Keysight
10:30 AM	11:00 AM	BREAK	
11:00 AM	11:45 AM	HAC – Intro & Update on TR-41 Standards Committee	Nima Molaei & Justin Chao Element Materials Technology
11:45 AM	1:00 PM	BREAK - Lunch	
11:45 AM	1:00 PM	Q&A Session for Basic Training Participants -Ravens Room	For Basic Training registrants
1:00 PM	1:45 PM	Latest Compliance Techniques for WPT for US and Canada	Kaitlin O’Keefe & Mark Biros RF Safety Lab
1:45 PM	2:30 PM	Adoption of 60 GHz mmWave in Global Markets	Nate Grinager Approve-IT
2:30 PM	3:00 PM	BREAK	
3:00 PM	3:30 PM	Admin Differences – C2PC, C4PC, Multiple and Family Approvals	Jennifer Sanchez HCT America
3:30 PM	4:00 PM	Update to Differences Between ISED and FCC	Mark Briggs UL Verification Services
4:00 PM	4:15 PM	Wrap Up	Chris Harvey TCB Council

