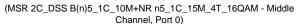




Plot 8-736. Conducted Spurious Emission Plot 9 kHz to 150 kHz





Plot 8-737. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_15M_4T_16QAM - Middle Channel. Port 0)

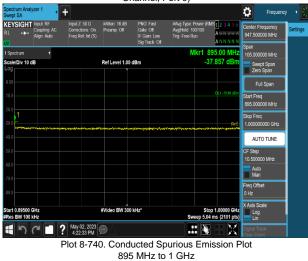
l+

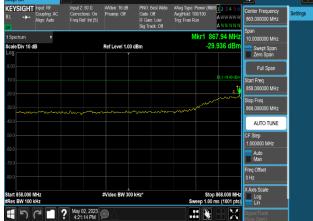
Frequency



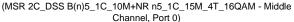
Plot 8-738. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_15M_4T_16QAM - Middle Channel, Port 0)





Plot 8-739. Conducted Spurious Emission Plot 858 MHz to 868 MHz





Plot 8-741. Conducted Spurious Emission Plot 1 GHz to 10 GHz (MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_15M_4T_16QAM - Middle

(MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_15M_4T_16QAM - Middle Channel, Port 0)

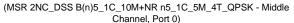
Channel, Port 0)

FCC ID: A3LRF4461D-13A		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 345 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 345 01 394
© 2022 Element			ES-QP-16-09 Rev.05





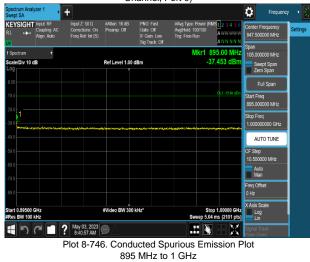
Plot 8-742. Conducted Spurious Emission Plot 9 kHz to 150 kHz





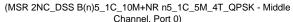
Plot 8-744. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(MSR 2NC_DSS B(n)5_1C_10M+NR n5_1C_5M_4T_QPSK - Middle Channel, Port 0)



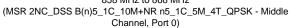


Plot 8-743. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 2NC DSS P(p)5-1C 10M NR p5-1C 5M 4T OPSK Middle





Plot 8-745. Conducted Spurious Emission Plot 858 MHz to 868 MHz





Plot 8-747. Conducted Spurious Emission Plot 1 GHz to 10 GHz (MSR 2NC DSS B(n)5_1C_10M+NR n5_1C_5M_4T_QPSK - Middle

(MSR 2NC_DSS B(n)5_1C_10M+NR n5_1C_5M_4T_QPSK - Middle Channel, Port 0)

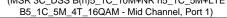
Channel, Port 0)

FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 346 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 340 01 394
© 2022 Element			ES-QP-16-09 Rev.05



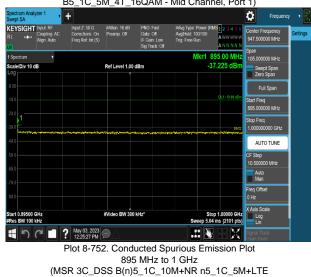


Plot 8-748. Conducted Spurious Emission Plot 9 kHz to 150 kHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE





Plot 8-750. Conducted Spurious Emission Plot 30 MHz to 858 MHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE B5_1C_5M_4T_16QAM - Mid Channel, Port 1)

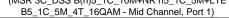


B5_1C_5M_4T_16QAM - Mid Channel, Port 1)

© 2022 Element

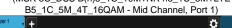


Plot 8-749. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE





Plot 8-751. Conducted Spurious Emission Plot 858 MHz to 868 MHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE





Plot 8-753. Conducted Spurious Emission Plot 1 GHz to 10 GHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE

B5_1C_5M_4T_16QAM - Mid Channel, Port 1)

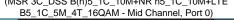
ES-QP-16-09 Rev.05

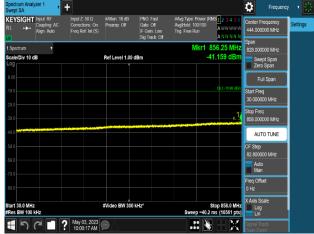
FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 347 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 347 01 394





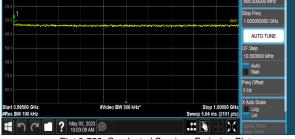
Plot 8-754. Conducted Spurious Emission Plot 9 kHz to 150 kHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE





Plot 8-756. Conducted Spurious Emission Plot 30 MHz to 858 MHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE

B5_1C_5M_4T_16QAM - Mid Channel, Port 0) Ö + Freau KEYSIGHT Input Z: 50 Q Corrections: On Freg Ref: Int (S) 847 50 00 MH r1 895 00 M 05.000000 MH 39.438 d Div 10 dE Ref Level 1.00 dBm Swept Span Zero Span Full Span itart Freq 895.000000 MHz

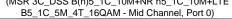


Plot 8-758. Conducted Spurious Emission Plot 895 MHz to 1 GHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE B5_1C_5M_4T_16QAM - Mid Channel, Port 0)

© 2022 Element



Plot 8-755. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE





Plot 8-757. Conducted Spurious Emission Plot 858 MHz to 868 MHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE

B5_1C_5M_4T_16QAM - Mid Channel, Port 0)



1 GHz to 10 GHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE

B5_1C_5M_4T_16QAM - Mid Channel, Port 0)

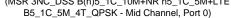
ES-QP-16-09 Rev.05

FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 348 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 346 01 394





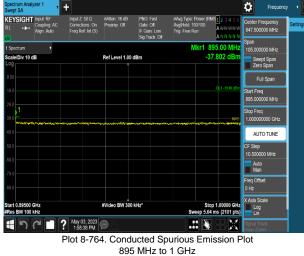
Plot 8-760. Conducted Spurious Emission Plot 9 kHz to 150 kHz (MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE





Plot 8-762. Conducted Spurious Emission Plot 30 MHz to 858 MHz (MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE

B5_1C_5M_4T_QPSK - Mid Channel, Port 0)



(MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE B5_1C_5M_4T_QPSK - Mid Channel, Port 0)

© 2022 Element



Plot 8-761. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE

(MSR 3NC_DSS B(n)5_1C_10M+NR h5_1C_5M+L1E B5_1C_5M_4T_QPSK - Mid Channel, Port 0)



Plot 8-763. Conducted Spurious Emission Plot 858 MHz to 868 MHz (MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE

(MSR 3NC_DSS B(fi)5_1C_10M+NR fi5_1C_3M+LTE B5_1C_5M_4T_QPSK - Mid Channel, Port 0)



Plot 8-765. Conducted Spurious Emission Plot 1 GHz to 10 GHz (MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE

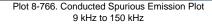
B5_1C_5M_4T_QPSK - Mid Channel, Port 0)

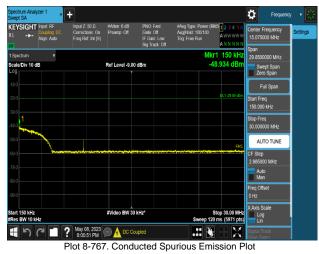
ES-QP-16-09 Rev.05

FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 349 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 349 01 394

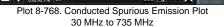








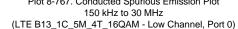




(LTE B13_1C_5M_4T_16QAM - Low Channel, Port 0)

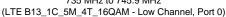


Plot 8-770. Conducted Spurious Emission Plot 756.1 MHz to 1 GHz (LTE B13_1C_5M_4T_16QAM - Low Channel, Port 0)





Plot 8-769. Conducted Spurious Emission Plot 735 MHz to 745.9 MHz





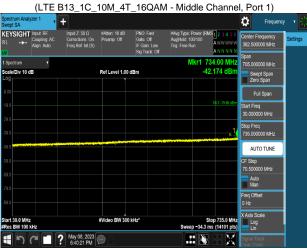
Plot 8-7/1. Conducted Spurious Emission Plot 1 GHz to 10 GHz (LTE B13_1C_5M_4T_16QAM - Low Channel, Port 0)

FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 350 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 350 01 394
© 2022 Element		·	ES-QP-16-09 Rev.05



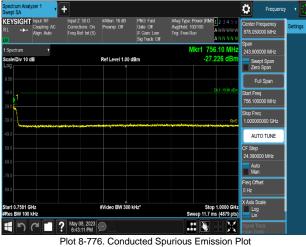


Plot 8-772. Conducted Spurious Emission Plot 9 kHz to 150 kHz



Plot 8-774. Conducted Spurious Emission Plot 30 MHz to 735 MHz

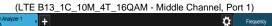
(LTE B13_1C_10M_4T_16QAM - Middle Channel, Port 1)



Plot 8-776. Conducted Spurious Emission Plot 756.1 MHz to 1 GHz (LTE B13_1C_10M_4T_16QAM - Middle Channel, Port 1)



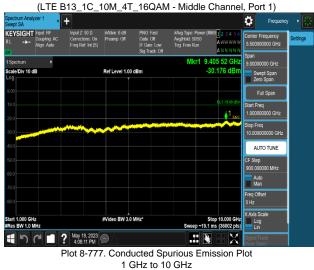
Plot 8-773. Conducted Spurious Emission Plot 150 kHz to 30 MHz





Plot 8-775. Conducted Spurious Emission Plot

735 MHz to 745.9 MHz

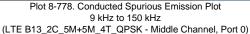


(LTE B13_1C_10M_4T_16QAM - Middle Channel, Port 1)

FCC ID: A3LRF4461D-13A	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 351 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 551 01 394
© 2022 Element		·	ES-QP-16-09 Rev.05



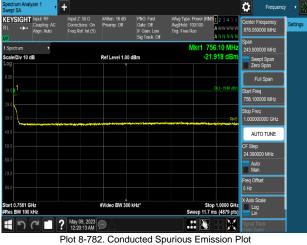






Plot 8-780. Conducted Spurious Emission Plot 30 MHz to 735 MHz

(LTE B13_2C_5M+5M_4T_QPSK - Middle Channel, Port 0)



Plot 8-782. Conducted Spurious Emission Plot 756.1 MHz to 1 GHz (LTE B13_2C_5M+5M_4T_QPSK - Middle Channel, Port 0)



Plot 8-779. Conducted Spurious Emission Plot 150 kHz to 30 MHz



Plot 8-781. Conducted Spurious Emission Plot 735 MHz to 745.9 MHz

(LTE B13_2C_5M+5M_4T_QPSK - Middle Channel, Port 0)



1 GHz to 10 GHz (LTE B13_2C_5M+5M_4T_QPSK - Middle Channel, Port 0)

FCC ID: A3LRF4461D-13A	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 352 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 352 01 394
© 2022 Element			ES-QP-16-09 Rev.05



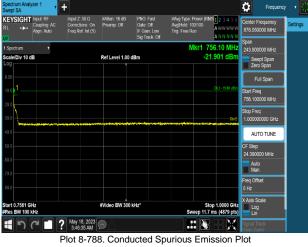


Plot 8-784. Conducted Spurious Emission Plot 9 kHz to 150 kHz



Plot 8-786. Conducted Spurious Emission Plot 30 MHz to 735 MHz

(LTE B13_1C_5M+NB-IoT(1IB)_4T_QPSK-High Channel, Port 0)



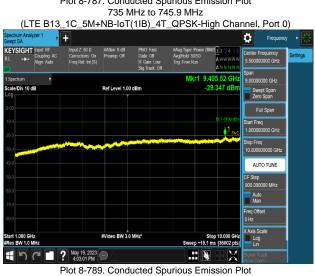
756.1 MHz to 1 GHz (LTE B13_1C_5M+NB-IoT(1IB)_4T_QPSK-High Channel, Port 0)



Plot 8-785. Conducted Spurious Emission Plot 150 kHz to 30 MHz (LTE B13_1C_5M+NB-IoT(1IB)_4T_QPSK-High Channel, Port 0)



Plot 8-787. Conducted Spurious Emission Plot



1 GHz to 10 GHz

(LTE B13_1C_5M+NB-IoT(1IB)_4T_QPSK-High Channel, Port 0)

FCC ID: A3LRF4461D-13A	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 353 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 353 01 394
© 2022 Element			ES-QP-16-09 Rev.05



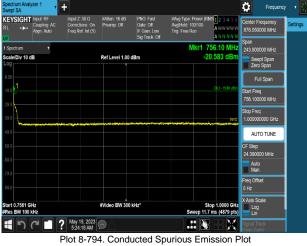


Plot 8-790. Conducted Spurious Emission Plot 9 kHz to 150 kHz



Plot 8-792. Conducted Spurious Emission Plot 30 MHz to 735 MHz

(LTE B13_1C_10M+NB-IoT(2GB)_4T_QPSK-Mid Channel, Port 0)



Plot 8-794. Conducted Spurious Emission Plot 756.1 MHz to 1 GHz (LTE B13 1C 10M+NB-IoT(2GB) 4T QPSK-Mid Channel, Port 0)

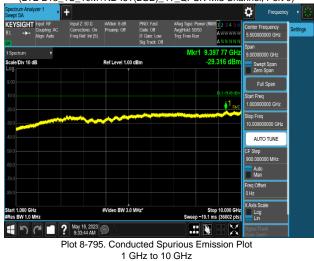


Plot 8-791. Conducted Spurious Emission Plot 150 kHz to 30 MHz



Plot 8-793. Conducted Spurious Emission Plot 735 MHz to 745.9 MHz

(LTE B13_1C_10M+NB-IoT(2GB)_4T_QPSK-Mid Channel, Port 0)

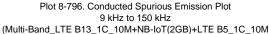


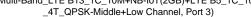
(LTE B13_1C_10M+NB-IoT(2GB)_4T_QPSK-Mid Channel, Port 0)

FCC ID: A3LRF4461D-13A	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 354 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 354 01 394
© 2022 Element			ES-QP-16-09 Rev.05

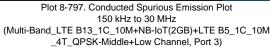








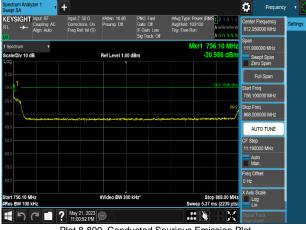






Plot 8-798. Conducted Spurious Emission Plot 30 MHz to 735 MHz

(Multi-Band_LTE B13_1C_10M+NB-IoT(2GB)+LTE B5_1C_10M _4T_QPSK-Middle+Low Channel, Port 3)

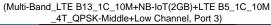


Plot 8-800. Conducted Spurious Emission Plot 756.1 MHz to 868 GHz (Multi-Band_LTE B13_1C_10M+NB-IoT(2GB)+LTE B5_1C_10M _4T_QPSK-Middle+Low Channel, Port 3)

© 2022 Element



Plot 8-799. Conducted Spurious Emission Plot 735 MHz to 745.9 MHz





Plot 8-801. Conducted Spurious Emission Plot 895 MHz to 1 GHz (Multi-Band_LTE B13_1C_10M+NB-IoT(2GB)+LTE B5_1C_10M _4T_QPSK-Middle+Low Channel, Port 3)

ES-QP-16-09 Rev.05

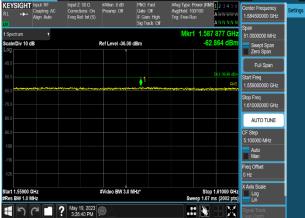
FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 355 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 555 01 594





Plot 8-802. Conducted Spurious Emission Plot 1 GHz to 10 GHz (Multi-Band_LTE B13_1C_10M+NB-IoT(2GB)+LTE B5_1C_10M





Plot 8-804. Conducted Spurious Emission Plot 1 559 MHz to 1 610 MHz

(LTE B13_1C_10M_4T_QPSK-Middle Channel, Port 1) Q KEYSIGHT Input R uency 10 GHz 62.780 c Ref Level -36.00 dBm Div 10 dE Swept Span Zero Span Full Span Start Freq 1.55900000 **1** op Freq AUTO TUNE 5.100000 MHz Auto Man X Axis Sca #Video BW 3.0 MHz* Stop 1.61000 GHz eep 1.07 ms (2002 pts) Start 1.55900 GHz #Res BW 1.0 MHz Log Lin May 19, 2023
May 19, 2023
3:59:15 PM X Plot 8-806. Conducted Spurious Emission Plot

1 559 MHz to 1 610 MHz

(LTE B13_1C_5M+NB-IoT(1IB)_4T_QPSK-High Channel, Port 3)



Plot 8-803. Conducted Spurious Emission Plot 1 559 MHz to 1 610 MHz (LTE B13_1C_5M_4T_QPSK - Low Channel, Port 3)



Plot 8-805. Conducted Spurious Emission Plot 1 559 MHz to 1 610 MHz





Plot 8-807. Conducted Spurious Emission Plot 1 559 MHz to 1 610 MHz

(LTE B13_1C_10M+NB-IoT(1IB+1GB)_4T_QPSK-Middle Channel, Port 3)

FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 356 of 394
8K23040701-00-R1.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	
© 2022 Element			ES-QP-16-09 Rev.05