

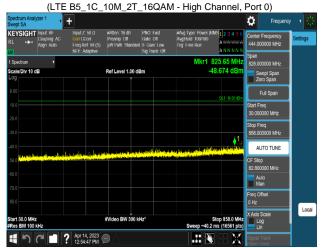


Plot 8-429. Conducted Spurious Emission Plot 9 kHz to 150 kHz



Plot 8-430. Conducted Spurious Emission Plot 150 kHz to 30 MHz

(LTE B5_1C_10M_2T_16QAM - High Channel, Port 0)



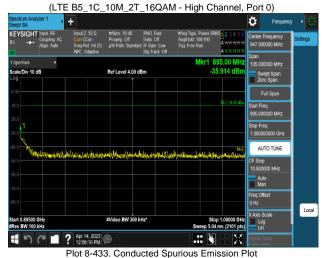
Plot 8-431. Conducted Spurious Emission Plot

30 MHz to 858 MHz



Plot 8-432. Conducted Spurious Emission Plot 858 MHz to 868 MHz

(LTE B5 1C 10M 2T 16QAM - High Channel, Port 0)



895 MHz to 1 GHz (LTE B5_1C_10M_2T_16QAM - High Channel, Port 0)



Plot 8-434. Conducted Spurious Emission Plot 1 GHz to 10 GHz (LTE B5_1C_10M_2T_16QAM - 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 293 of 394
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Page 293 01 394







Plot 8-437. Conducted Spurious Emission Plot 30 MHz to 858 MHz

#Video BW 300 kHz*

1 5 C 2 24, 2023 9

Stop 858.0 MHz Sweep ~40.2 ms (16561 pts)

:: 3

(LTE B5_2C_5M+5M_2T_16QAM - High Channel, Port 0)



Plot 8-439. Conducted Spurious Emission Plot 895 MHz to 1 GHz (LTE B5_2C_5M+5M_2T_16QAM - High Channel, Port 0)



Plot 8-436. Conducted Spurious Emission Plot 150 kHz to 30 MHz

(LTE B5_2C_5M+5M_2T_16QAM - High Channel, Port 0)



Plot 8-438. Conducted Spurious Emission Plot 858 MHz to 868 MHz

(LTE B5_2C_5M+5M_2T_16QAM - High Channel, Port 0)



Plot 8-440. Conducted Spurious Emission Plot 1 GHz to 10 GHz (LTE B5_2C_5M+5M_2T_16QAM - 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 294 of 394
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Faye 234 01 334

Local





Plot 8-441. Conducted Spurious Emission Plot 9 kHz to 150 kHz

(LTE B5_3C_5M+10M+10M_2T_16QAM - Middle Channel, Port 0)



Plot 8-443. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(LTE B5_3C_5M+10M+10M_2T_16QAM - Middle Channel, Port 0)



Plot 8-445. Conducted Spurious Emission Plot 895 MHz to 1 GHz

(LTE B5_3C_5M+10M+10M_2T_16QAM - Middle Channel, Port 0)



Plot 8-442. Conducted Spurious Emission Plot 150 kHz to 30 MHz

(LTE B5_3C_5M+10M+10M_2T_16QAM - Middle Channel, Port 0)



Plot 8-444. Conducted Spurious Emission Plot 858 MHz to 868 MHz

(LTE B5_3C_5M+10M+10M_2T_16QAM - Middle Channel, Port 0)



Plot 8-446. Conducted Spurious Emission Plot 1 GHz to 10 GHz

(LTE B5 3C 5M+10M+10M 2T 16QAM - 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 295 of 394
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	raye 233 01 334

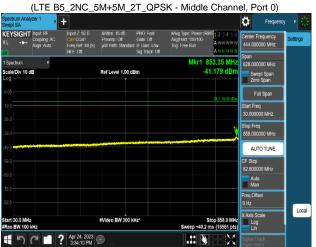




Plot 8-447. Conducted Spurious Emission Plot 9 kHz to 150 kHz



Plot 8-448. Conducted Spurious Emission Plot 150 kHz to 30 MHz



Plot 8-449. Conducted Spurious Emission Plot 30 MHz to 858 MHz (LTE B5_2NC_5M+5M_2T_QPSK - Middle Channel, Port 0)

(LTE B5_2NC_5M+5M_2T_QPSK - Middle Channel, Port 0)

Spectrum Analyzer1

**Erequency **

**Ere

858 MHz to 868 MHz (LTE B5_2NC_5M+5M_2T_QPSK - Middle Channel, Port 0)



Plot 8-451. Conducted Spurious Emission Plot 895 MHz to 1 GHz (LTE B5 2NC 5M+5M 2T QPSK - Middle Channel, Port 0)



Plot 8-452. Conducted Spurious Emission Plot 1 GHz to 10 GHz (LTE B5_2NC_5M+5M_2T_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 296 of 394
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 290 01 394





Plot 8-453. Conducted Spurious Emission Plot 9 kHz to 150 kHz

(DSS B(n)5_1C_10M(5:5 Ratio)_2T_256QAM - Low Channel, Port 1)



Plot 8-454. Conducted Spurious Emission Plot 150 kHz to 30 MHz

₽ KEYSIGHT I ale/Div 10 dB Ref Level 1.00 dBm Full Span AUTO TUNE Auto Man eq Offset Local #Video BW 300 kHz* Stop 858.0 MHz Sweep ~40.2 ms (16561 pts) 12:38:38 AM :: 3

Plot 8-455. Conducted Spurious Emission Plot

30 MHz to 858 MHz (DSS B(n)5_1C_10M(5:5 Ratio)_2T_256QAM - Low Channel, Port 1)



858 MHz to 868 MHz (DSS B(n)5_1C_10M(5:5 Ratio)_2T_256QAM - Low Channel, Port 1)

ø KEYSIGHT Input RE AUTO TUNE Freq Offset 0 Hz Local Stop 1.00000 GHz Sweep 5.04 ms (2101 pts) Apr 20, 2023 12:40:04 AM

Plot 8-457. Conducted Spurious Emission Plot 895 MHz to 1 GHz

(DSS B(n)5_1C_10M(5:5 Ratio)_2T_256QAM - Low Channel, Port 1)

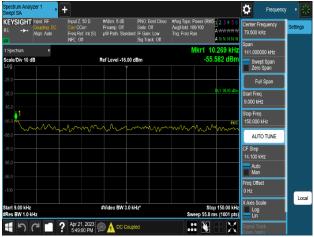


Plot 8-458. Conducted Spurious Emission Plot 1 GHz to 10 GHz

(DSS B(n)5_1C_10M(5:5 Ratio)_2T_256QAM - Low Channel, Port 1)

FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 297 of 394
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 297 01 394





Plot 8-459. Conducted Spurious Emission Plot 9 kHz to 150 kHz





Plot 8-460. Conducted Spurious Emission Plot 150 kHz to 30 MHz

(DSS B(n)5_2C_10M+10M_2T_16QAM - High Channel, Port 0)



Plot 8-461. Conducted Spurious Emission Plot 30 MHz to 858 MHz



Plot 8-462. Conducted Spurious Emission Plot 858 MHz to 868 MHz





895 MHz to 1 GHz (DSS B(n)5_2C_10M+10M_2T_16QAM - High Channel, Port 0)

(DSS B(n)5_2C_10M+10M_2T_16QAM - High Channel, Port 0)



Plot 8-464. Conducted Spurious Emission Plot 1 GHz to 10 GHz

(DSS B(n)5_2C_10M+10M_2T_16QAM - 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 298 of 394
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Page 296 01 394





Plot 8-465. Conducted Spurious Emission Plot 9 kHz to 150 kHz



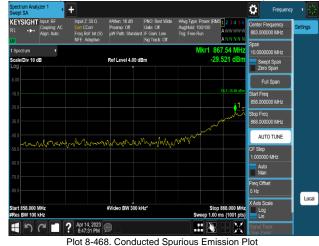
Plot 8-466. Conducted Spurious Emission Plot 150 kHz to 30 MHz

(NR n5_1C_5M_2T_QPSK - Low Channel, Port 0)



Plot 8-467. Conducted Spurious Emission Plot

30 MHz to 858 MHz (NR n5_1C_5M_2T_QPSK - Low Channel, Port 0)



858 MHz to 868 MHz

(NR n5_1C_5M_2T_QPSK - Low Channel, Port 0)



Plot 8-469. Conducted Spurious Emission Plot 895 MHz to 1 GHz (NR n5_1C_5M_2T_QPSK - Low Channel, Port 0)



Plot 8-470. Conducted Spurious Emission Plot 1 GHz to 10 GHz (NR n5_1C_5M_2T_QPSK - 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 299 of 394
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Fage 299 01 394





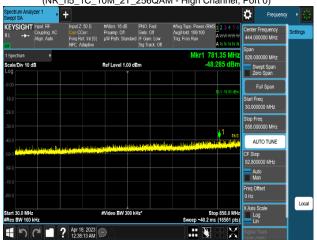
Plot 8-471. Conducted Spurious Emission Plot 9 kHz to 150 kHz

(NR_n5_1C_10M_2T_256QAM - High Channel, Port 0)



Plot 8-472. Conducted Spurious Emission Plot 150 kHz to 30 MHz

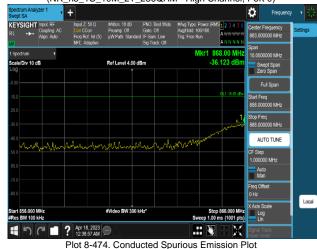
(NR_n5_1C_10M_2T_256QAM - High Channel, Port 0)



Plot 8-473. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(NR_n5_1C_10M_2T_256QAM - High Channel, Port 0)

ø



858 MHz to 868 MHz (NR_n5_1C_10M_2T_256QAM - High Channel, Port 0)

AUTO TUNE

Plot 8-475. Conducted Spurious Emission Plot 895 MHz to 1 GHz (NR_n5_1C_10M_2T_256QAM - High Channel, Port 0)

Stop 1.00000 GHz Sweep 5.04 ms (2101 pts)



Plot 8-476. Conducted Spurious Emission Plot 1 GHz to 10 GHz (NR_n5_1C_10M_2T_256QAM - 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 300 of 394
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Page 300 01 394

Local





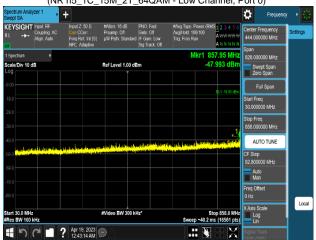
Plot 8-477. Conducted Spurious Emission Plot 9 kHz to 150 kHz

(NR n5_1C_15M_2T_64QAM - Low Channel, Port 0)



Plot 8-478. Conducted Spurious Emission Plot 150 kHz to 30 MHz

(NR n5_1C_15M_2T_64QAM - Low Channel, Port 0)

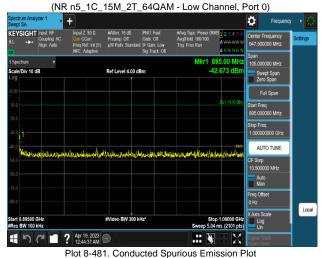


Plot 8-479. Conducted Spurious Emission Plot 30 MHz to 858 MHz



Plot 8-480. Conducted Spurious Emission Plot 858 MHz to 868 MHz

(NR n5_1C_15M_2T_64QAM - Low Channel, Port 0)



895 MHz to 1 GHz (NR n5_1C_15M_2T_64QAM - Low Channel, Port 0)



Plot 8-482. Conducted Spurious Emission Plot 1 GHz to 10 GHz (NR n5_1C_15M_2T_64QAM - Low Channel, Port 0)

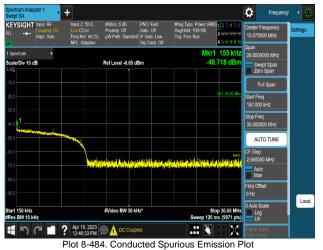
FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 201 of 204
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Page 301 of 394





Plot 8-483. Conducted Spurious Emission Plot 9 kHz to 150 kHz

(NR n5_2C_5M+5M_2T_16QAM - High Channel, Port 0)



150 kHz to 30 MHz

₽ KEYSIGHT Input RF

Coupling A ale/Div 10 dB Full Span AUTO TUNE Auto Man eq Offset Local #Video BW 300 kHz* Stop 858.0 MHz Sweep ~40.2 ms (16561 pts) 4 5 C . Apr 19, 2023 9 :: 3

Plot 8-485. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(NR n5_2C_5M+5M_2T_16QAM - High Channel, Port 0)



858 MHz to 868 MHz (NR n5_2C_5M+5M_2T_16QAM - High Channel, Port 0)

ø AUTO TUNE Local Stop 1.00000 GHz Sweep 5.04 ms (2101 pts)

Plot 8-487. Conducted Spurious Emission Plot 895 MHz to 1 GHz (NR n5_2C_5M+5M_2T_16QAM - High Channel, Port 0)



Plot 8-488. Conducted Spurious Emission Plot 1 GHz to 10 GHz (NR n5_2C_5M+5M_2T_16QAM - High Channel, Port 0)

FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 202 of 204
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Page 302 of 394





Plot 8-489. Conducted Spurious Emission Plot 9 kHz to 150 kHz

(NR n5_2C_10M+15M_2T_16QAM - Middle Channel, Port 0)



Plot 8-490. Conducted Spurious Emission Plot 150 kHz to 30 MHz

(NR n5_2C_10M+15M_2T_16QAM - Middle Channel, Port 0)



Plot 8-491. Conducted Spurious Emission Plot 30 MHz to 858 MHz



858 MHz to 868 MHz



895 MHz to 1 GHz (NR n5_2C_10M+15M_2T_16QAM - Middle Channel, Port 0)

(NR n5_2C_10M+15M_2T_16QAM - Middle Channel, Port 0) Ö



Plot 8-494. Conducted Spurious Emission Plot 1 GHz to 10 GHz (NR n5_2C_10M+15M_2T_16QAM - 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 303 of 394
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Page 303 01 394

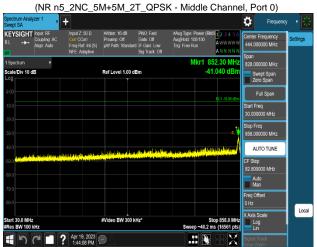




Plot 8-495. Conducted Spurious Emission Plot 9 kHz to 150 kHz



Plot 8-496. Conducted Spurious Emission Plot 150 kHz to 30 MHz



Plot 8-497. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(NR n5_2NC_5M+5M_2T_QPSK - Middle Channel, Port 0) Ö KEYSIGHT Input Div 10 dB Full Span Start Freq 858.000000 MHz AUTO TUNE work was who were was work to the work of Auto Man Local #Video BW 300 kHz art 858.000 MHz tes BW 100 kHz Stop 868.000 MHz Sweep 1.00 ms (1001 pts) Log Lin 4 S C Apr 19, 2023 (1:44:52 PM .: N

Plot 8-498. Conducted Spurious Emission Plot 858 MHz to 868 MHz (NR n5_2NC_5M+5M_2T_QPSK - Middle Channel, Port 0)

(NR n5_2NC_5M+5M_2T_QPSK - Middle Channel, Port 0)

Sept SA

KEYSIGHT prox RF

Lab pout 2.50 0

NE Lab pou

Plot 8-499. Conducted Spurious Emission Plot 895 MHz to 1 GHz (NR n5_2NC_5M+5M_2T_QPSK - Middle Channel, Port 0)

Plot 8-500. Conducted Spurious Emission Plot 1 GHz to 10 GHz (NR n5_2NC_5M+5M_2T_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:	Dogo 204 of 204
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	Page 304 of 394





Plot 8-501. Conducted Spurious Emission Plot 9 kHz to 150 kHz

(MSR 2C_DSS B(n)5_1C_10M+LTE B5_1C_5M_2T_QPSK - High Channel, Port 0)



Plot 8-503. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(MSR 2C_DSS B(n)5_1C_10M+LTE B5_1C_5M_2T_QPSK - High Channel, Port 0)



Plot 8-505. Conducted Spurious Emission Plot 895 MHz to 1 GHz (MSR 2C_DSS B(n)5_1C_10M+LTE B5_1C_5M_2T_QPSK - High Channel, Port 0)



Plot 8-502. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 2C_DSS B(n)5_1C_10M+LTE B5_1C_5M_2T_QPSK - High Channel, Port 0)



Plot 8-504. Conducted Spurious Emission Plot 858 MHz to 868 MHz (MSR 2C_DSS B(n)5_1C_10M+LTE B5_1C_5M_2T_QPSK - High Channel, Port 0)



1 GHz to 10 GHz (MSR 2C_DSS B(n)5_1C_10M+LTE B5_1C_5M_2T_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 305 of 394
8K23040701-00-R2.A3L	04/12/2023 - 05/26/2023	RRU(RF4461d)	