



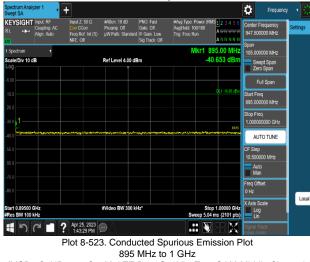
Plot 8-519. Conducted Spurious Emission Plot 9 kHz to 150 kHz

(MSR 2C_NR n5_1C_5M+LTE B5_1C_5M_2T_16QAM-Middle Channel, Port 0)



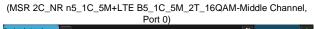
Plot 8-521. Conducted Spurious Emission Plot

30 MHz to 858 MHz (MSR 2C_NR n5_1C_5M+LTE B5_1C_5M_2T_16QAM-Middle Channel, Port 0)



+ KEYSIGHT Input F Alon: Aut 000 MH Swept Span Zero Span Stop Freq 30.000000 MHz AUTO TUNE 2.9850 Auto Man Freq Offset 0 Hz Local #Video BW 30 kH irt 150 kHz es BW 10 kHz Log Lin Stop 30.00 MHz Sweep 120 ms (5971 pts らで 🔳 ? Apr 25, 2023 🗩 🔬 X .:: 🔖 H

Plot 8-520. Conducted Spurious Emission Plot 150 kHz to 30 MHz





Plot 8-522. Conducted Spurious Emission Plot

858 MHz to 868 MHz (MSR 2C_NR n5_1C_5M+LTE B5_1C_5M_2T_16QAM-Middle Channel, Port 0)



Plot 8-524. Conducted Spurious Emission Plot 1 GHz to 10 GHz

(MSR 2C_NR n5_1C_5M+LTE B5_1C_5M_2T_16QAM-Middle Channel, Port 0)

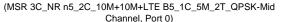
(MSR 2C_NR n5_1C_5M+LTE B5_1C_5M_2T_16QAM-Middle Channel, Port 0)

FCC ID: A3LRF4461D-13A	element 🤤	MEASUREMENT REPORT (CERTIFICATION)	SAMSUNG	Approved by: Technical Manager
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Plot 8-525. Conducted Spurious Emission Plot 9 kHz to 150 kHz





Plot 8-526. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 3C_NR n5_2C_10M+10M+LTE B5_1C_5M_2T_QPSK-Mid Channel, Port 0)

Ref Level 4.00 dBn

#Video BW 300 kHz

+

Div 10 dE

Ö

7.94 N

30.312 dE

Frequency

00 MH:

Swept Span Zero Span

858.000000 MHz Stop Freq 868,000

AUTO TUNE

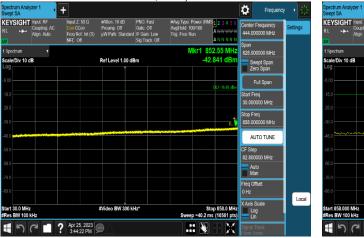
Auto Man

red Offset

Axis Scale

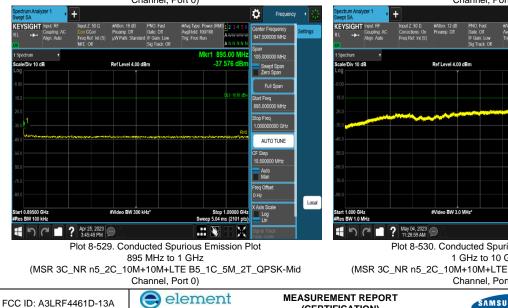
Log Lin

Local



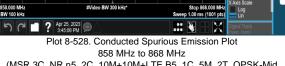
rt 858.000 MH es BW 100 kHz Plot 8-527. Conducted Spurious Emission Plot 30 MHz to 858 MHz

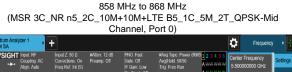
(MSR 3C_NR n5_2C_10M+10M+LTE B5_1C_5M_2T_QPSK-Mid Channel, Port 0)



Channel, Port 0) Approved by: SAMSUNG (CERTIFICATION) **Technical Manager** EUT Type: Test Report S/N: Test Dates: Page 310 of 404 8K23073101-00.A3L RRU(RF4461d) 04/12/2023 - 08/03/2023 ES-QP-16-09 Rev.05 © 2022 Element

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9.425 02 G 00 GHz -23.475 dE Swept Span Zero Span Full Span lop Fred AUTO TUNE Auto Man Freq Offset 0 Hz

\sim X Plot 8-530. Conducted Spurious Emission Plot 1 GHz to 10 GHz

Stop 10.000 GHz Sweep ~19.1 ms (36002 pts)

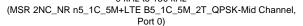
Log Lin

(MSR 3C_NR n5_2C_10M+10M+LTE B5_1C_5M_2T_QPSK-Mid





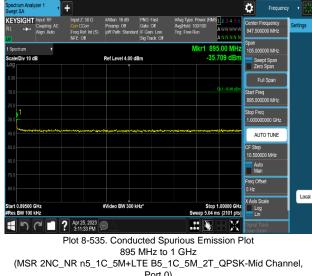
Plot 8-531. Conducted Spurious Emission Plot 9 kHz to 150 kHz





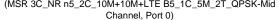
Plot 8-533. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(MSR 2NC_NR n5_1C_5M+LTE B5_1C_5M_2T_QPSK-Mid Channel, Port 0)



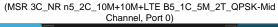


Plot 8-532. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 3C_NR n5_2C_10M+10M+LTE B5_1C_5M_2T_QPSK-Mid





Plot 8-534. Conducted Spurious Emission Plot 858 MHz to 868 MHz





Plot 8-536. Conducted Spurious Emission Plot 1 GHz to 10 GHz (MSR 3C_NR n5_2C_10M+10M+LTE B5_1C_5M_2T_QPSK-Mid Channel, Port 0)

Port 0)

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+

KEYSIGHT

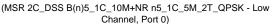
Div 10 dE

rt 30.0 MHz s BW 100 kHz

Apr 26, 2023 の (10.42:10 AM)



Plot 8-537. Conducted Spurious Emission Plot 9 kHz to 150 kHz





Plot 8-538. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_5M_2T_QPSK - Low Channel, Port 0)

Ö

7.66 N

26.727 dB

Stop 868.000 MHz Sweep 1.00 ms (1001 pts)

Frequency

00 MH:

Swept Span Zero Span

858.000000 MHz

AUTO TUNE

Auto Man

reg Offset

Axis Scale

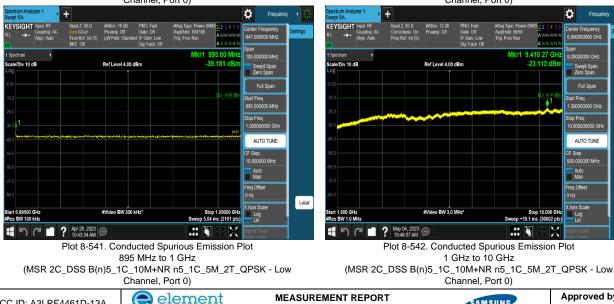
Log Lin

Local



Plot 8-539. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_5M_2T_QPSK - Low Channel, Port 0)



X Plot 8-540. Conducted Spurious Emission Plot 858 MHz to 868 MHz (MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_5M_2T_QPSK - Low Channel, Port 0)

Ö Frequ 9.410 27 GI 00 GHz -23.112 dB Swept Span Zero Span Full Span lop Fred AUTO TUNE CF Step Auto Man Freq Offset 0 Hz Stop 10.000 GHz Sweep ~19.1 ms (36002 pts) Log Lin $-\mathbf{X}$ Plot 8-542. Conducted Spurious Emission Plot

1 GHz to 10 GHz

Channel, Port 0)

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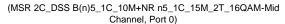
KEYSIGHT

/Div 10 dB

art 30.0 MHz es BW 100 kHz



Plot 8-543. Conducted Spurious Emission Plot 9 kHz to 150 kHz





Plot 8-544. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_15M_2T_16QAM-Mid Channel, Port 0)

Ref Level 4.00 dBn

Ö

7.99

-27 018 dF

Frequency

00 MH:

Swept Span Zero Span

858.000000 MHz

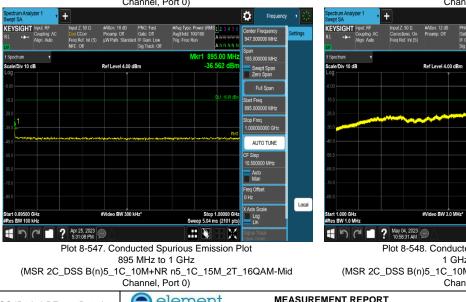
AUTO TUNE

Stop Freq 868.00000



Plot 8-545. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_15M_2T_16QAM-Mid Channel, Port 0)



MEASUREMENT REPORT Approved by: 🗨 element FCC ID: A3LRF4461D-13A SAMSUNG (CERTIFICATION) **Technical Manager** EUT Type: Test Report S/N: Test Dates: Page 313 of 404 8K23073101-00.A3L RRU(RF4461d) 04/12/2023 - 08/03/2023 ES-QP-16-09 Rev.05 © 2022 Element

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Plot 8-546. Conducted Spurious Emission Plot 858 MHz to 868 MHz (MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_15M_2T_16QAM-Mid



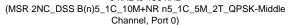
Plot 8-548. Conducted Spurious Emission Plot 1 GHz to 10 GHz

(MSR 2C_DSS B(n)5_1C_10M+NR n5_1C_15M_2T_16QAM-Mid Channel, Port 0)





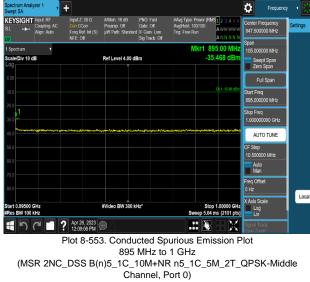
Plot 8-549. Conducted Spurious Emission Plot 9 kHz to 150 kHz





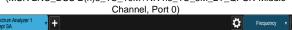
Plot 8-551. Conducted Spurious Emission Plot 30 MHz to 858 MHz

(MSR 2NC_DSS B(n)5_1C_10M+NR n5_1C_5M_2T_QPSK-Middle Channel, Port 0)



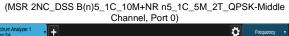


Plot 8-550. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 2NC_DSS B(n)5_1C_10M+NR n5_1C_5M_2T_QPSK-Middle





Plot 8-552. Conducted Spurious Emission Plot 858 MHz to 868 MHz





Plot 8-554. Conducted Spurious Emission Plot 1 GHz to 10 GHz

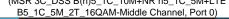
(MSR 2NC_DSS B(n)5_1C_10M+NR n5_1C_5M_2T_QPSK-Middle Channel, Port 0)

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Plot 8-555. Conducted Spurious Emission Plot 9 kHz to 150 kHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE



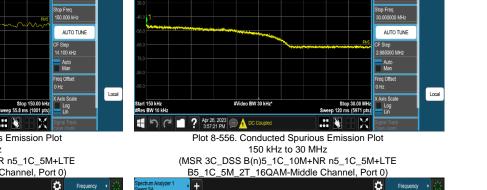


Plot 8-557. Conducted Spurious Emission Plot 30 MHz to 858 MHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE

B5_1C_5M_2T_16QAM-Middle Channel, Port 0)

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51 292 di

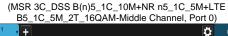
Frequency

000 MH

Swept Span Zero Span

150.000 kHz

Plot 8-558. Conducted Spurious Emission Plot 858 MHz to 868 MHz





1 GHz to 10 GHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE

B5_1C_5M_2T_16QAM-Middle Channel, Port 0)

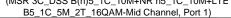
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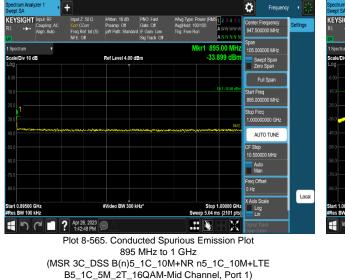
Plot 8-561. Conducted Spurious Emission Plot 9 kHz to 150 kHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE





Plot 8-563. Conducted Spurious Emission Plot 30 MHz to 858 MHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE

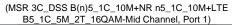
B5_1C_5M_2T_16QAM-Mid Channel, Port 1)

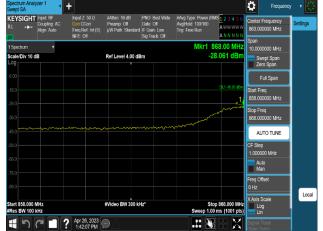


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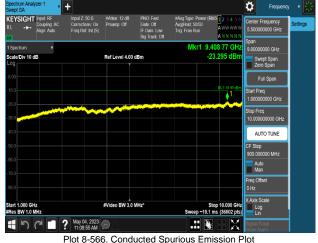
Plot 8-562. Conducted Spurious Emission Plot 150 kHz to 30 MHz





Plot 8-564. Conducted Spurious Emission Plot 858 MHz to 868 MHz (MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE

(MSR 3C_DSS B(n)5_1C_10M+NR n5_1C_10M+LTE B5_1C_5M_2T_16QAM-Mid Channel, Port 1)



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

B5_1C_5M_2T_16QAM-Mid Channel, Port 1)

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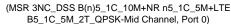
+

KEYSIGHT Input: F

Div 10 de



Plot 8-567. Conducted Spurious Emission Plot 9 kHz to 150 kHz



Ref Level 1.00 dBr

Ö

857.70 N

41.219 di

Frequenc

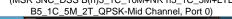
quencj 00 MHa

828.000000 MH

Swept Span Zero Span



Plot 8-568. Conducted Spurious Emission Plot 150 kHz to 30 MHz (MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE





Plot 8-570. Conducted Spurious Emission Plot 858 MHz to 868 MHz (MSR 2NC, PSS 8(2) = 400 + 100 = 5 40 - 514)

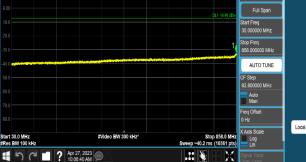
(MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE B5_1C_5M_2T_QPSK-Mid Channel, Port 0)



AR n5_1C_5M+LTE (MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE bannel Port 0) B5_1C_5M 2T_OPSK-Mid Channel Port 0)

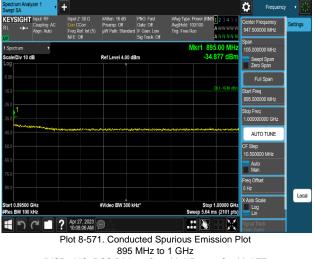
		IU) B5_1C_5W1_2	B5_TC_SIVI_ZT_QFSK-IVIID Charlinel, Fort 0)		
FCC ID: A3LRF4461D-13A	element	MEASUREMENT REPORT	SAMSUNG	Approved by:	
)	(CERTIFICATION)		Technical Manager	
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Plot 8-569. Conducted Spurious Emission Plot 30 MHz to 858 MHz (MSR 3NC_DSS B(n)5_1C_10M+NR n5_1C_5M+LTE

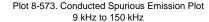
B5_1C_5M_2T_QPSK-Mid Channel, Port 0)





+







+

vel -6.00 dBrr

Ref Level 4.00 dBm

#Video BW 300 kHz*

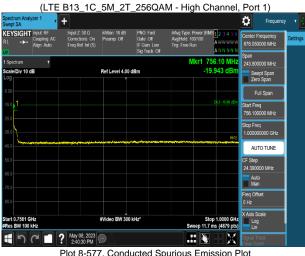
KEYSIGHT Input F

le/Div 10 dB

art 735.000 MHz les BW 100 kHz



Plot 8-575. Conducted Spurious Emission Plot 30 MHz to 735 MHz



Plot 8-577. Conducted Spurious Emission Plot 756.1 MHz to 1 GHz (LTE B13_1C_5M_2T_256QAM - High Channel, Port 1)

1 つ C 🔳 ? May 08, 2023 🗩 Plot 8-576. Conducted Spurious Emission Plot 735 MHz to 745.9 MHz

(LTE B13_1C_5M_2T_256QAM - High Channel, Port 1)

Avginuic Tria: Ero

Ö

kr1 180 kl

46 038 dF

ter Frequenc

000 MH

Swept Span Zero Span

AUTO TUNE

Log Lin

Frequ

0 MH:

nter Frequency 0.450000 MHz

Swept Sp Zero Spar

Full Span

Start Freq 735.000000 MHz

AUTO TUNE Step

Auto Man

req Offser

Log Lin

740 454

744.090 6 MH

-35.117 dB

≬1

Stop 745.900 MHz Sweep 1.00 ms (1001 pts)

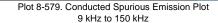


1 GHz to 10 GHz (LTE B13_1C_5M_2T_256QAM - High Channel, Port 1)

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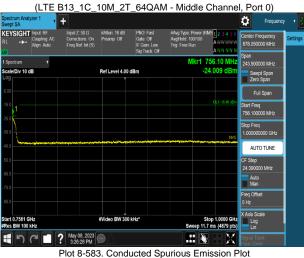








Plot 8-581. Conducted Spurious Emission Plot 30 MHz to 735 MHz



756.1 MHz to 1 GHz (LTE B13_1C_10M_2T_64QAM - Middle Channel, Port 0)

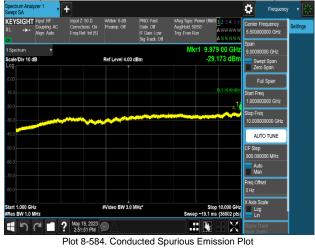


Plot 8-580. Conducted Spurious Emission Plot 150 kHz to 30 MHz (LTE B13_1C_10M_2T_64QAM - Middle Channel, Port 0)



Plot 8-582. Conducted Spurious Emission Plot 735 MHz to 745.9 MHz

(LTE_B13_1C_10M_2T_64QAM - Middle Channel, Port 0)

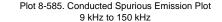


1 GHz to 10 GHz (LTE B13_1C_10M_2T_64QAM - Middle Channel, Port 0)

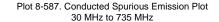
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(LTE B13_2C_5M+5M_2T_QPSK - Middle Channel, Port 0)



Plot 8-589. Conducted Spurious Emission Plot 756.1 MHz to 1 GHz (LTE B13_2C_5M+5M_2T_QPSK - Middle Channel, Port 0)

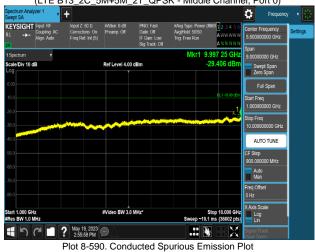


Plot 8-586. Conducted Spurious Emission Plot 150 kHz to 30 MHz



Plot 8-588. Conducted Spurious Emission Plot 735 MHz to 745.9 MHz

(LTE B13_2C_5M+5M_2T_QPSK - Middle Channel, Port 0)



1 GHz to 10 GHz (LTE B13_2C_5M+5M_2T_QPSK - Middle Channel, Port 0)

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