NR Band n48

40 MHz

DFT-s OFDM

QPSK

ANT F

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: Samsung
Project #: 4791615583
Date: 2025-02-13
Test Engineer: 26087
Configuration: EUT / AC Adapter, Z-Position
Location: Chamber 2
Mode: 5G NR_QPSK NR n48 Harmonics, 40MHz Bandwidth
Test Votage: AC 120 V, 60 Hz

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 3570MHz									
7140.00	-19.0	V	3.0	43.2	1.0	-61.2	-40.0	-21.2	
10710.00	-17.9	V	3.0	41.0	1.0	-57.8	-40.0	-17.8	
14280.00	-11.6	V	3.0	40.1	1.0	-50.7	-40.0	-10.7	
7140.00	-19.0	H	3.0	43.2	1.0	-61.2	-40.0	-21.2	
10710.00	-17.8	H	3.0	41.0	1.0	-57.8	-40.0	-17.8	
14280.00	-11.5	H	3.0	40.1	1.0	-50.6	-40.0	-10.6	
Mid Ch, 3625MHz									
7250.00	-18.2	V	3.0	43.1	1.0	-60.3	-40.0	-20.3	
10875.00	-16.9	V	3.0	40.8	1.0	-56.8	-40.0	-16.8	
14500.00	-12.1	V	3.0	40.1	1.0	-51.1	-40.0	-11.1	
7250.00	-18.3	H	3.0	43.1	1.0	-60.5	-40.0	-20.5	
10875.00	-17.1	H	3.0	40.8	1.0	-56.9	-40.0	-16.9	
14500.00	-12.4	H	3.0	40.1	1.0	-51.4	-40.0	-11.4	
High Ch, 3680MHz									
7360.00	-18.7	V	3.0	43.0	1.0	-60.8	-40.0	-20.8	
11040.00	-17.1	V	3.0	40.7	1.0	-56.8	-40.0	-16.8	
14720.00	-12.9	V	3.0	40.1	1.0	-52.0	-40.0	-12.0	
7360.00	-18.8	H	3.0	43.0	1.0	-60.8	-40.0	-20.8	
11040.00	-17.2	H	3.0	40.7	1.0	-56.9	-40.0	-16.9	
14720.00	-12.9	H	3.0	40.1	1.0	-52.0	-40.0	-12.0	

30 MHz

SRS2

ANT C

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: Samsung
Project #: 4791615583
Date: 2025-02-12
Test Engineer: 26460
Configuration: EUT / AC Adapter, X-Position
Location: Chamber 1
Mode: 5G NR n48(SRS) Harmonics, 30MHz Bandwidth
Test Votage: AC 120 V, 60 Hz

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 3565.02MHz									
7130.04	-18.1	V	3.0	45.0	1.0	-62.2	-40.0	-22.2	
10695.06	-18.1	V	3.0	42.9	1.0	-60.0	-40.0	-20.0	
14260.08	-13.7	V	3.0	44.0	1.0	-56.7	-40.0	-16.7	
7130.04	-18.1	H	3.0	45.0	1.0	-62.1	-40.0	-22.1	
10695.06	-18.1	H	3.0	42.9	1.0	-60.0	-40.0	-20.0	
14260.08	-16.5	H	3.0	44.0	1.0	-59.5	-40.0	-19.5	
Mid Ch, 3624.99MHz									
7249.98	-18.1	V	3.0	44.9	1.0	-62.1	-40.0	-22.1	
10874.97	-18.7	V	3.0	42.9	1.0	-60.6	-40.0	-20.6	
14499.96	-15.4	V	3.0	44.1	1.0	-58.6	-40.0	-18.6	
7249.98	-18.2	H	3.0	44.9	1.0	-62.2	-40.0	-22.2	
10874.97	-18.2	H	3.0	42.9	1.0	-60.1	-40.0	-20.1	
14499.96	-16.8	H	3.0	44.1	1.0	-60.0	-40.0	-20.0	
High Ch, 3684.99MHz									
7369.98	-18.1	V	3.0	44.8	1.0	-61.9	-40.0	-21.9	
11054.97	-18.1	V	3.0	42.9	1.0	-59.9	-40.0	-19.9	
14739.96	-14.2	V	3.0	44.3	1.0	-57.5	-40.0	-17.5	
7369.98	-18.0	H	3.0	44.8	1.0	-61.9	-40.0	-21.9	
11054.97	-17.9	H	3.0	42.9	1.0	-59.8	-40.0	-19.8	
14739.96	-15.1	H	3.0	44.3	1.0	-58.4	-40.0	-18.4	

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10 MHz

SRS3

ANT H

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: Samsung
Project #: 4791615583
Date: 2025-02-13
Test Engineer: 28183
Configuration: EUT / AC Adapter, X-Position
Location: Chamber 2
Mode: 5G NR n48(SRS) Harmonics, 10MHz Bandwidth
Test Votage: AC 120 V, 60 Hz

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 3555MHz									
7110.00	-20.0	V	3.0	43.2	1.0	-62.2	-40.0	-22.2	
10665.00	-16.9	V	3.0	41.0	1.0	-56.9	-40.0	-16.9	
14220.00	-14.1	V	3.0	40.1	1.0	-53.1	-40.0	-13.1	
7110.00	-20.0	H	3.0	43.2	1.0	-62.2	-40.0	-22.2	
10665.00	-18.5	H	3.0	41.0	1.0	-58.5	-40.0	-18.5	
14220.00	-15.0	H	3.0	40.1	1.0	-54.0	-40.0	-14.0	
Mid Ch, 3625MHz									
7250.00	-19.0	V	3.0	43.1	1.0	-61.1	-40.0	-21.1	
10875.00	-17.8	V	3.0	40.8	1.0	-57.6	-40.0	-17.6	
14500.00	-13.2	V	3.0	40.1	1.0	-52.3	-40.0	-12.3	
7250.00	-19.2	H	3.0	43.1	1.0	-61.3	-40.0	-21.3	
10875.00	-18.0	H	3.0	40.8	1.0	-57.8	-40.0	-17.8	
14500.00	-14.4	H	3.0	40.1	1.0	-53.5	-40.0	-13.5	
High Ch, 3695MHz									
7390.00	-19.6	V	3.0	43.0	1.0	-61.7	-40.0	-21.7	
11085.00	-17.6	V	3.0	40.6	1.0	-57.2	-40.0	-17.2	
14780.00	-11.9	V	3.0	40.1	1.0	-51.1	-40.0	-11.1	
7390.00	-19.8	H	3.0	43.0	1.0	-61.8	-40.0	-21.8	
11085.00	-17.6	H	3.0	40.6	1.0	-57.2	-40.0	-17.2	
14780.00	-12.0	H	3.0	40.1	1.0	-51.1	-40.0	-11.1	

10 MHz

SRS4

ANT K

UL Verification Services, Inc.
Above 1GHz High Frequency Substitution Measurement

Company: Samsung
Project #: 4791615583
Date: 2025-02-13
Test Engineer: 26460
Configuration: EUT / AC Adapter, Y-Position
Location: Chamber 1
Mode: 5G NR n48(SRS) Harmonics, 10MHz Bandwidth
Test Votage: AC 120 V, 60 Hz

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Distance (m)	Preamp (dB)	Filter (dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 3555MHz									
7110.00	-18.1	V	3.0	45.0	1.0	-62.1	-40.0	-22.1	
10665.00	-17.5	V	3.0	42.9	1.0	-59.4	-40.0	-19.4	
14220.00	-15.1	V	3.0	44.0	1.0	-58.1	-40.0	-18.1	
7110.00	-17.2	H	3.0	45.0	1.0	-61.3	-40.0	-21.3	
10665.00	-17.4	H	3.0	42.9	1.0	-59.3	-40.0	-19.3	
14220.00	-15.2	H	3.0	44.0	1.0	-58.2	-40.0	-18.2	
Mid Ch, 3624.99MHz									
7249.98	-18.1	V	3.0	44.9	1.0	-62.0	-40.0	-22.0	
10874.97	-18.2	V	3.0	42.9	1.0	-60.1	-40.0	-20.1	
14499.96	-14.0	V	3.0	44.1	1.0	-57.1	-40.0	-17.1	
7249.98	-18.0	H	3.0	44.9	1.0	-61.9	-40.0	-21.9	
10874.97	-18.1	H	3.0	42.9	1.0	-60.0	-40.0	-20.0	
14499.96	-15.2	H	3.0	44.1	1.0	-58.4	-40.0	-18.4	
High Ch, 3694.98MHz									
7389.96	-18.1	V	3.0	44.8	1.0	-61.9	-40.0	-21.9	
11084.94	-16.7	V	3.0	42.9	1.0	-58.6	-40.0	-18.6	
14779.92	-13.3	V	3.0	44.3	1.0	-56.6	-40.0	-16.6	
7389.96	-18.0	H	3.0	44.8	1.0	-61.8	-40.0	-21.8	
11084.94	-17.3	H	3.0	42.9	1.0	-59.2	-40.0	-19.2	
14779.92	-14.2	H	3.0	44.3	1.0	-57.4	-40.0	-17.4	

END OF TEST REPORT

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