

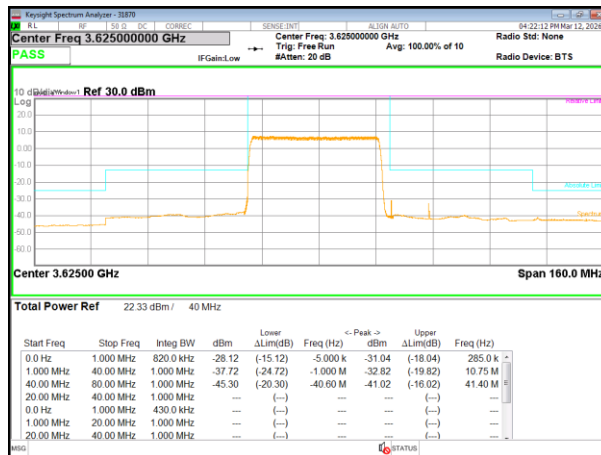


NR Band n48 (ANT E)

40 MHz
QPSK
FRB



Low channel



Mid channel



High channel











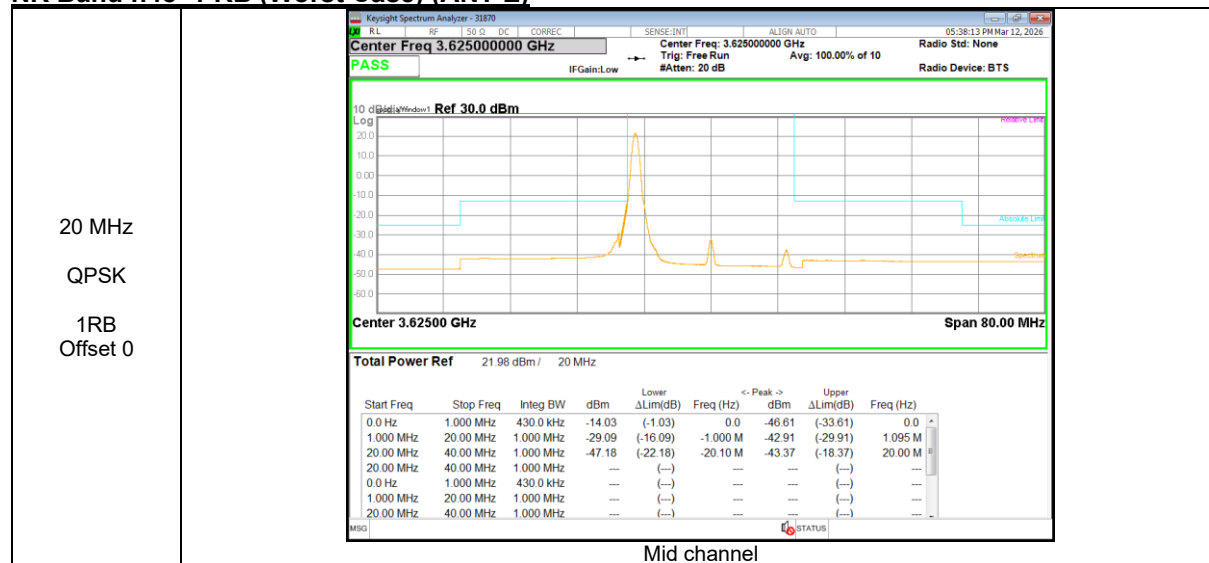




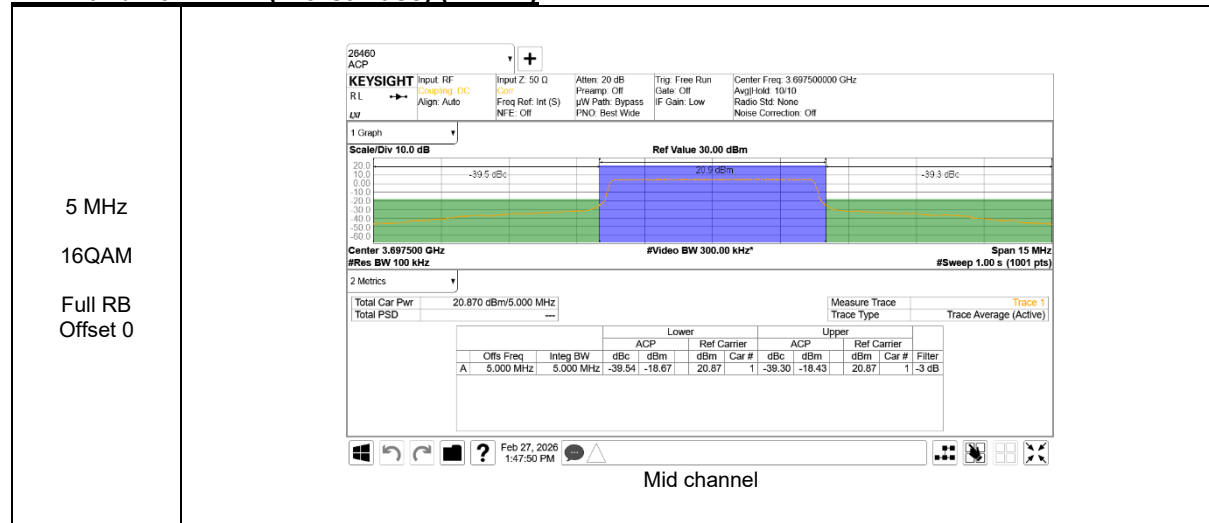




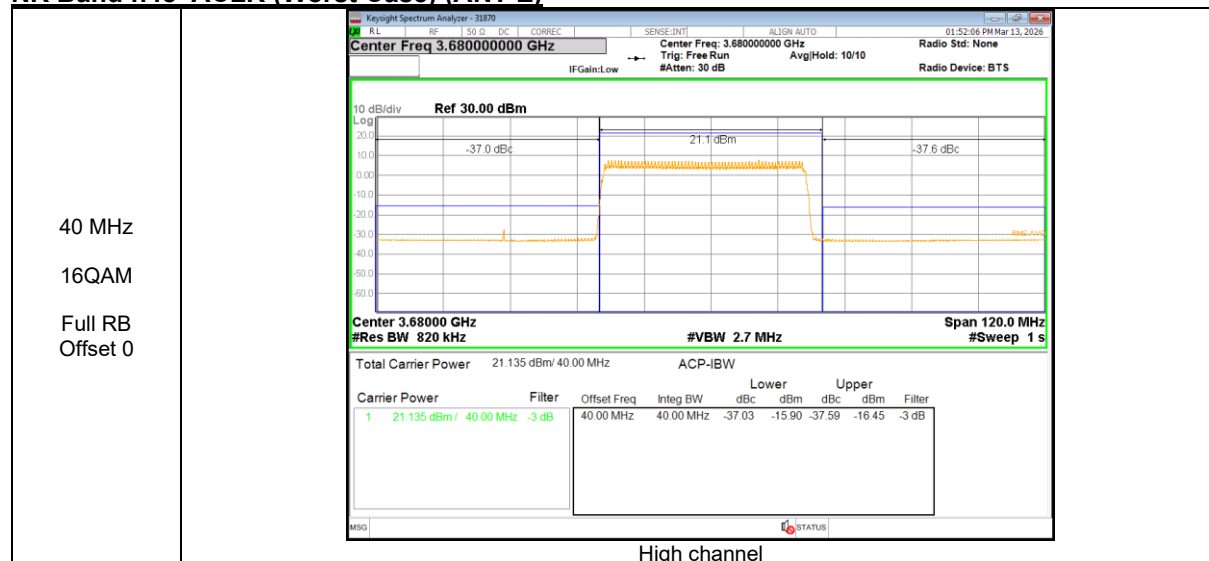
NR Band n48 1 RB (Worst Case) (ANT E)



LTE Band 48 ACLR (Worst Case) (ANT E)



NR Band n48 ACLR (Worst Case) (ANT E)



8.4. CONDUCTED SPURIOUS EMISSIONS

RULE PART(S)

FCC: §2.1051, and §96.41(e)

LIMITS

§96.41

(e) The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v03r01

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

- a) Set the RBW = 1MHz for emissions above 1GHz
(Tests were performed 1MHz [Worst case], to sweep 1 time for all frequency range)
- b) Set VBW $\geq 3 \times$ RBW
- c) Sweep time = auto couple;
- d) Detector = RMS;
- e) Ensure that the number of measurement points = Max (40001);
- f) Trace mode = Average;

NOTE1

Please refer to section 5.4 for bandwidth and RB setting about LTE, 5G NR bands.

NOTE2

LTE: It was tested at 1RB QPSK as worst case (the highest output power and density).

5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations ($\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

8.4.1. OUT OF BAND EMISSIONS RESULT

LTE Band 48 (ANT E)

15 MHz QPSK



LTE Band 48C(UL CA) (ANT E)

20+20 MHz QPSK

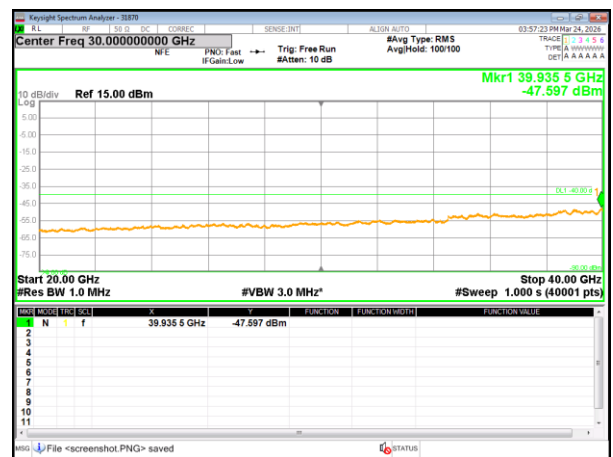


NR Band n48 DFT-s OFDM (ANT E)

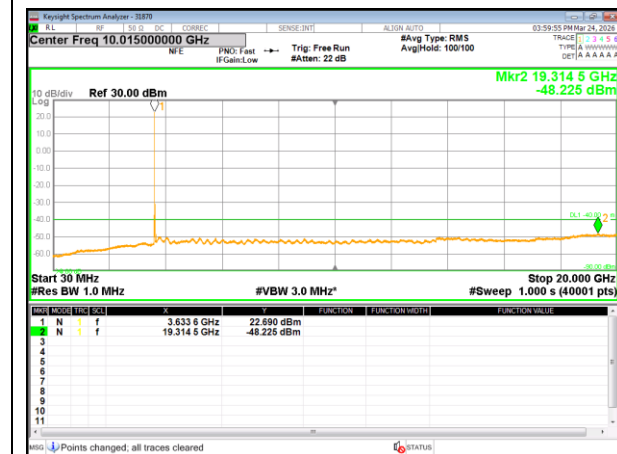
20 MHz QPSK



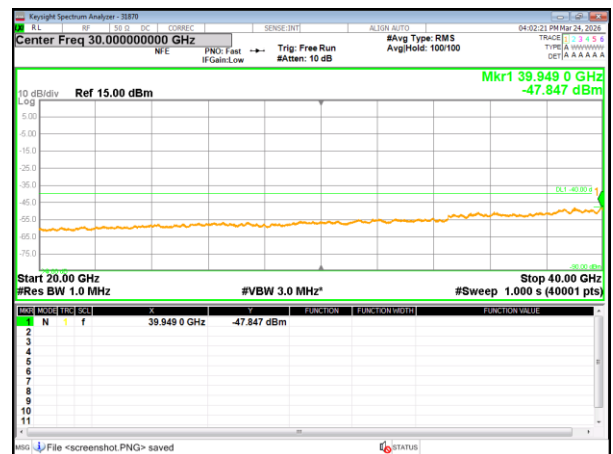
Low channel



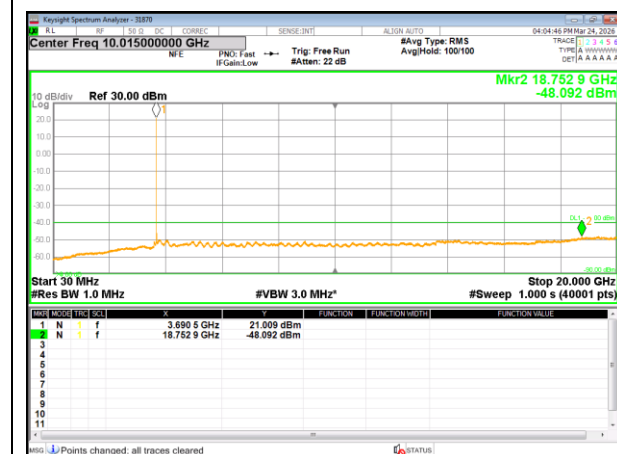
Low channel



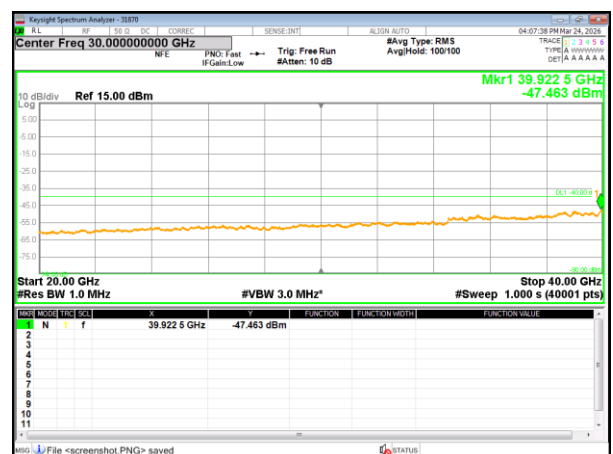
Mid channel



Mid channel



High channel



High channel

8.5. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055

LIMITS

For Part 96, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

TEST PROCEDURE

Per KDB 971168 D01 Power Meas License Digital Systems v03r01

NOTE

Test were performed each lowest or highest frequency on the modulation condition of more wide bandwidth.(Please refer to OBW results)

RESULTS

See the following pages.

8.5.1. FREQUENCY STABILITY RESULT

LTE Band 48(Lowest Frequency: QPSK / Highest Frequency: QPSK)

Test Date	2026-03-27
Test Engineer	31870

Limit		3550	3700	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	3550.2579	3699.7445		
Extreme (50C)		3550.2579	3699.7445	25.2	0.007
Extreme (40C)		3550.2579	3699.7445	22.0	0.006
Extreme (30C)		3550.2579	3699.7445	24.5	0.007
Extreme (10C)		3550.2579	3699.7445	20.1	0.006
Extreme (0C)		3550.2579	3699.7445	21.8	0.006
Extreme (-10C)		3550.2579	3699.7445	23.0	0.006
Extreme (-20C)		3550.2579	3699.7445	23.9	0.007
Extreme (-30C)		3550.2579	3699.7445	21.9	0.006
20C	15%	3550.2579	3699.7445	22.2	0.006
	-15%	3550.2579	3699.7445	22.4	0.006
	End Point	3550.2579	3699.7445	24.8	0.007

NR Band n48(Lowest Frequency: 16QAM / Highest Frequency: 16QAM)

Test Date	2026-04-01
Test Engineer	31870

Limit		3550	3700	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ End of OBW	F high @ End of OBW		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	3550.6748	3699.3267		
Extreme (50C)		3550.6748	3699.3267	24.1	0.007
Extreme (40C)		3550.6748	3699.3267	18.5	0.005
Extreme (30C)		3550.6748	3699.3267	21.1	0.006
Extreme (10C)		3550.6748	3699.3267	16.3	0.004
Extreme (0C)		3550.6748	3699.3267	15.8	0.004
Extreme (-10C)		3550.6748	3699.3267	13.6	0.004
Extreme (-20C)		3550.6748	3699.3267	16.1	0.004
Extreme (-30C)		3550.6748	3699.3267	15.7	0.004
20C	15%	3550.6748	3699.3267	23.7	0.007
	-15%	3550.6748	3699.3267	16.4	0.005
	End Point	3550.6748	3699.3267	13.9	0.004

8.6. END USER DEVICE(CBSD PROTOCOL)

RULE PART(S)

FCC: §96.47

LIMITS

FCC Part 96.47

(a) End User Devices may operate only if they can positively receive and decode an authorization signal transmitted by a CBSD, including the frequencies and power limits for their operation.

(1) An End User Device must discontinue operations, change frequencies, or change its operational power level within 10 seconds of receiving instructions from its associated CBSD.

TEST PROCEDURE

KDB 940660 D01 Part 96 CBRS v03, WINNF-TS-0122 V1.0.2

Additional requirements are required to End-User Device LTE Band 48 and 5G NR n48 devices base on CBSD protocol. During the test, the EUT and its companion certified CBSD (FCC ID: 2AS48SC-220) and (FCC ID: PIDAS2900) devices communicate with each other.

Band	Configuration	Frequency (MHz)	Power (dBm/MHz)	Bandwidth (MHz)
LTE B48	1	3560 – 3580	8	20
	2	3600 – 3620	16	20
5G NR n48	3	3590 – 3610	15	20
	4	3640 – 3660	7	20

Configuration 1

- Setup WINNF.PT.C.HBT.1 with 3560MHz-3580MHz and power level 8 dBm/MHz
- Enable AP service from companion device.
- Check EUT Transmitter Frequency and power
- Disable AP service from companion device and check EUT stop transmission within 10s.

Configuration 2

- Setup WINNF.PT.C.HBT.1 with 3600MHz-3620MHz and power level 16 dBm/MHz
- Enable AP service from companion device.
- Check EUT Transmitter Frequency and power
- Disable AP service from companion device and check EUT stop transmission within 10s.

Configuration 3

- Setup WINNF.PT.C.HBT.1 with 3590MHz-3610MHz and power level 15 dBm/MHz
- Enable AP service from companion device.
- Check EUT Transmitter Frequency and power
- Disable AP service from companion device and check EUT stop transmission within 10s.

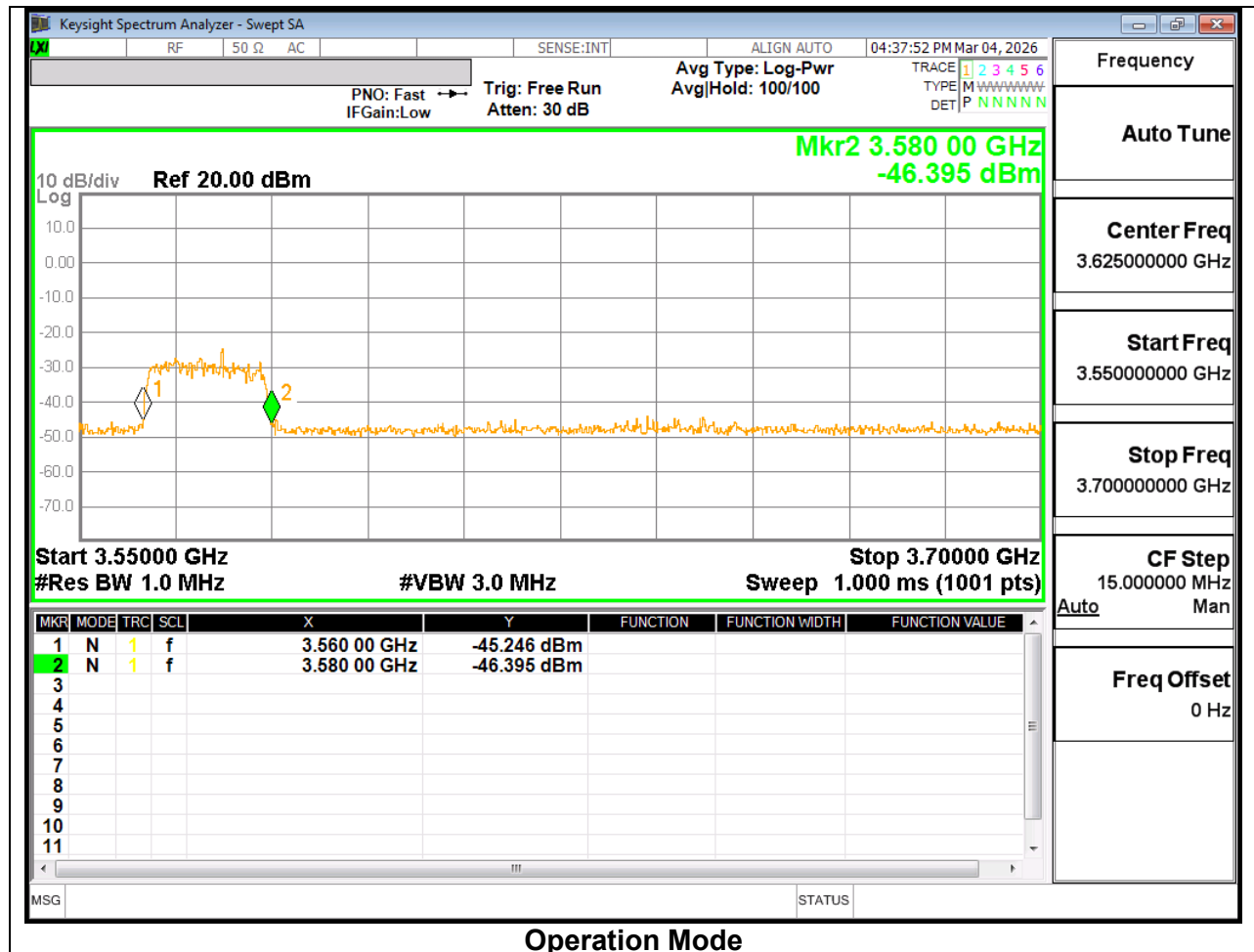
Configuration 4

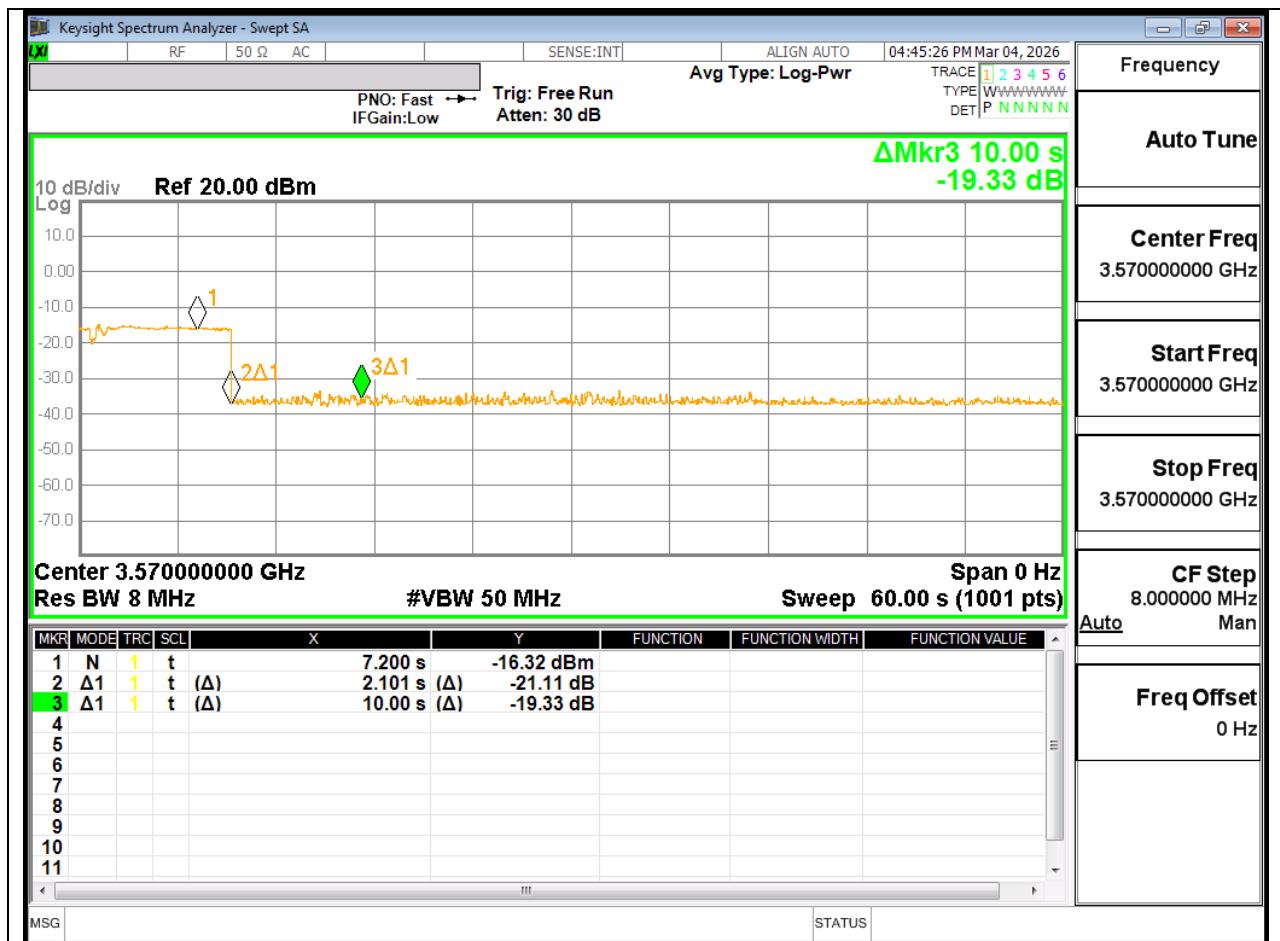
- Setup WINNF.PT.C.HBT.1 with 3640MHz-3660MHz and power level 7 dBm/MHz
- Enable AP service from companion device.
- Check EUT Transmitter Frequency and power
- Disable AP service from companion device and check EUT stop transmission within 10s.

RESULTS

Next page

8.6.1. END USER DEVICE CONFIGURATION 1





Stop Operation Within 10 second Mode

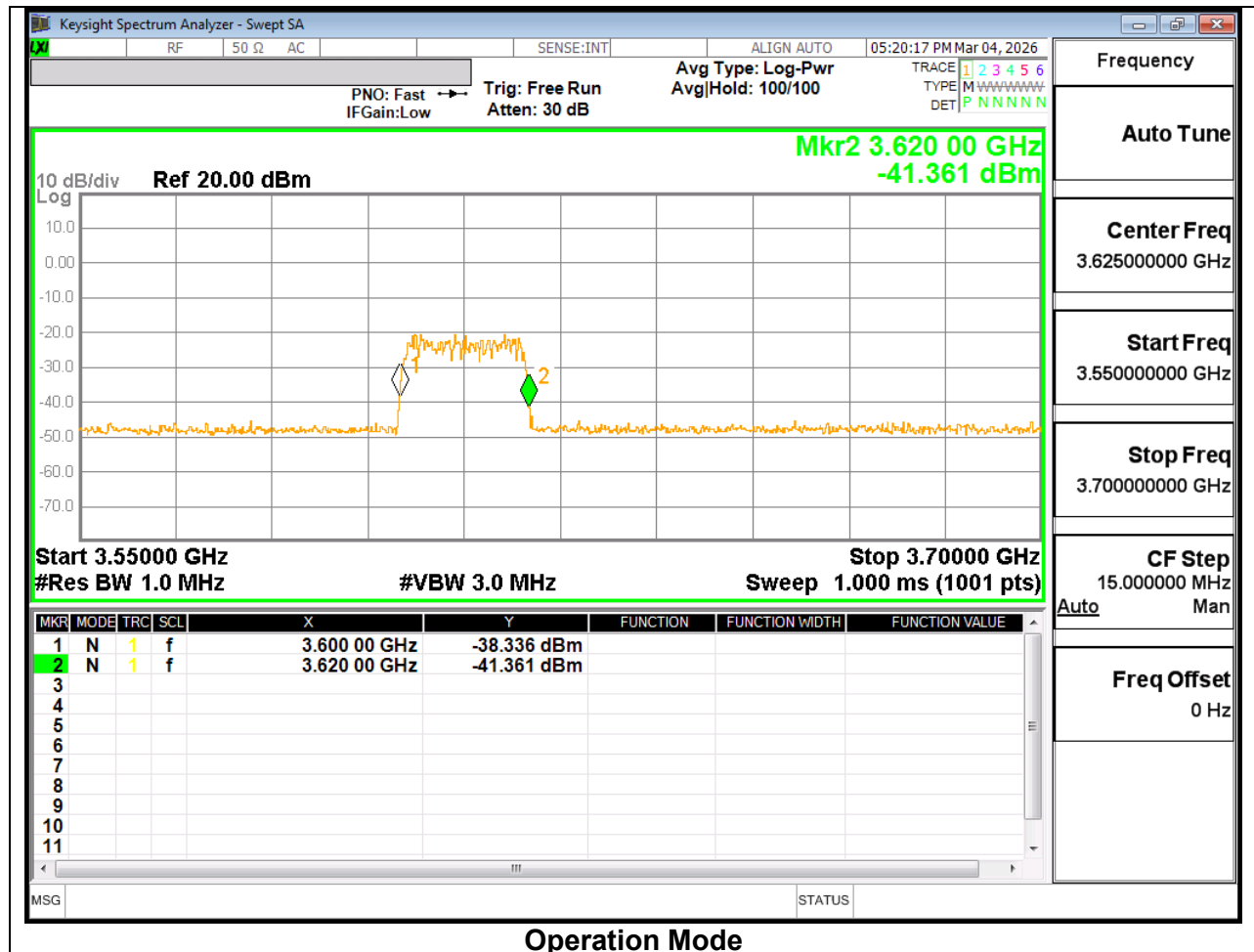
NOTE:

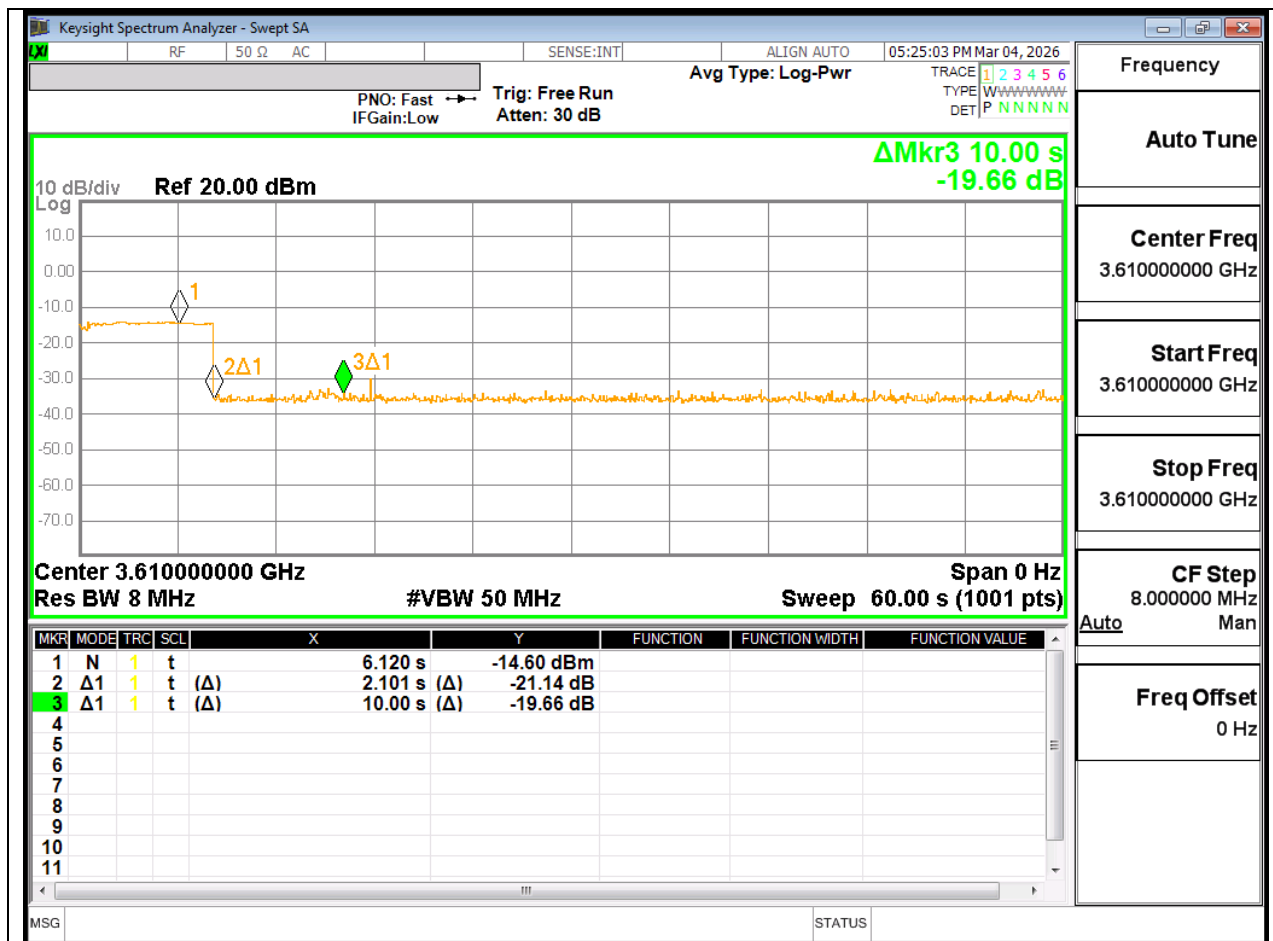
Marker 1: Authorized CBSD sends a signal to stop transmission.

Marker 2-1 Delta: Time elapsed since signal to stop transmission. EUD has stopped transmission.

Marker 3-1 Delta: 10 seconds has elapsed since CBSD has sent a signal to stop transmission to EUT.

8.6.2. END USER DEVICE CONFIGURATION 2





Stop Operation Within 10 second Mode

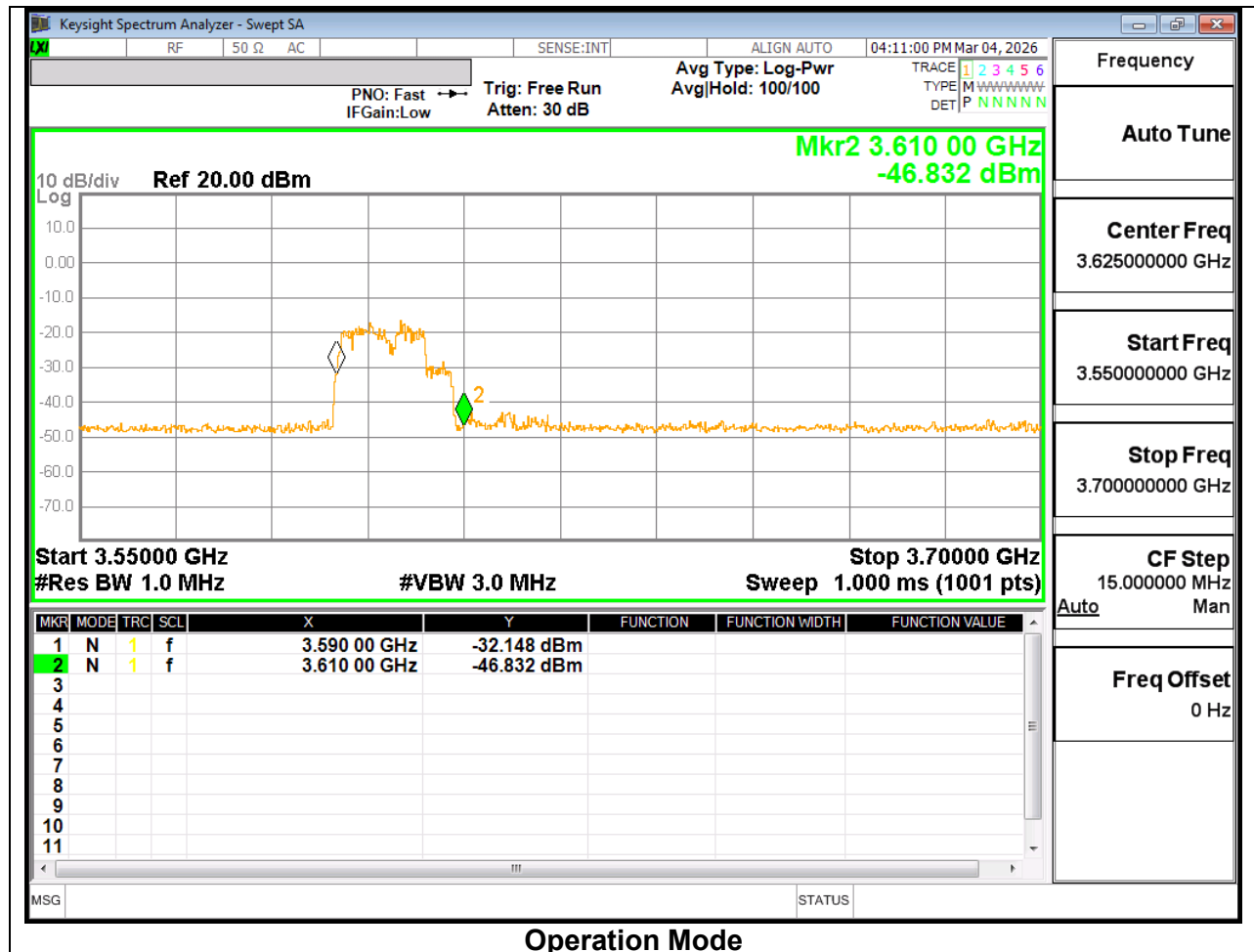
NOTE:

Marker 1: Authorized CBSD sends a signal to stop transmission.

Marker 2-1 Delta: Time elapsed since signal to stop transmission. EUD has stopped transmission.

Marker 3-1 Delta: 10 seconds has elapsed since CBSD has sent a signal to stop transmission to EUT.

8.6.3. END USER DEVICE CONFIGURATION 3





Stop Operation Within 10 second Mode

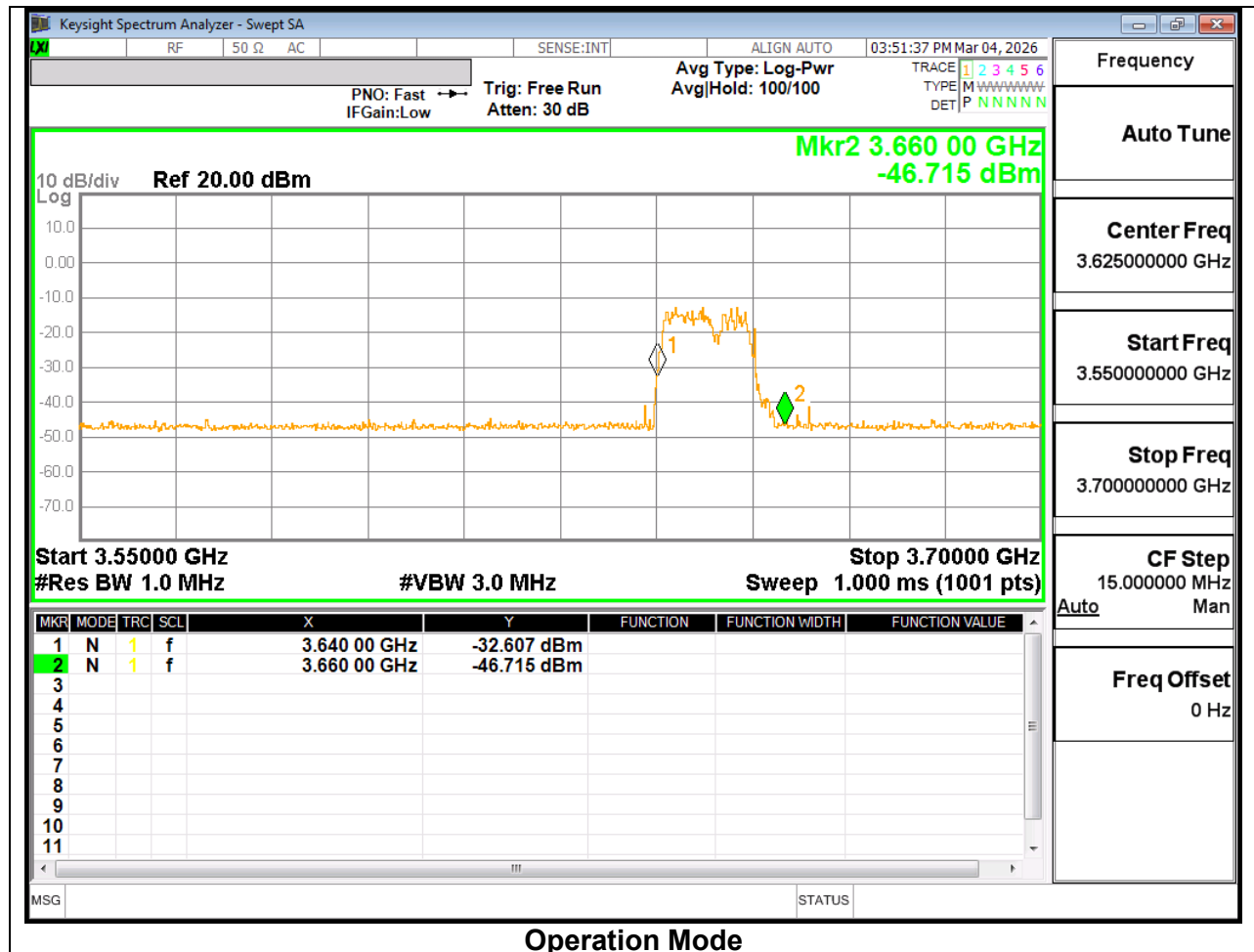
NOTE:

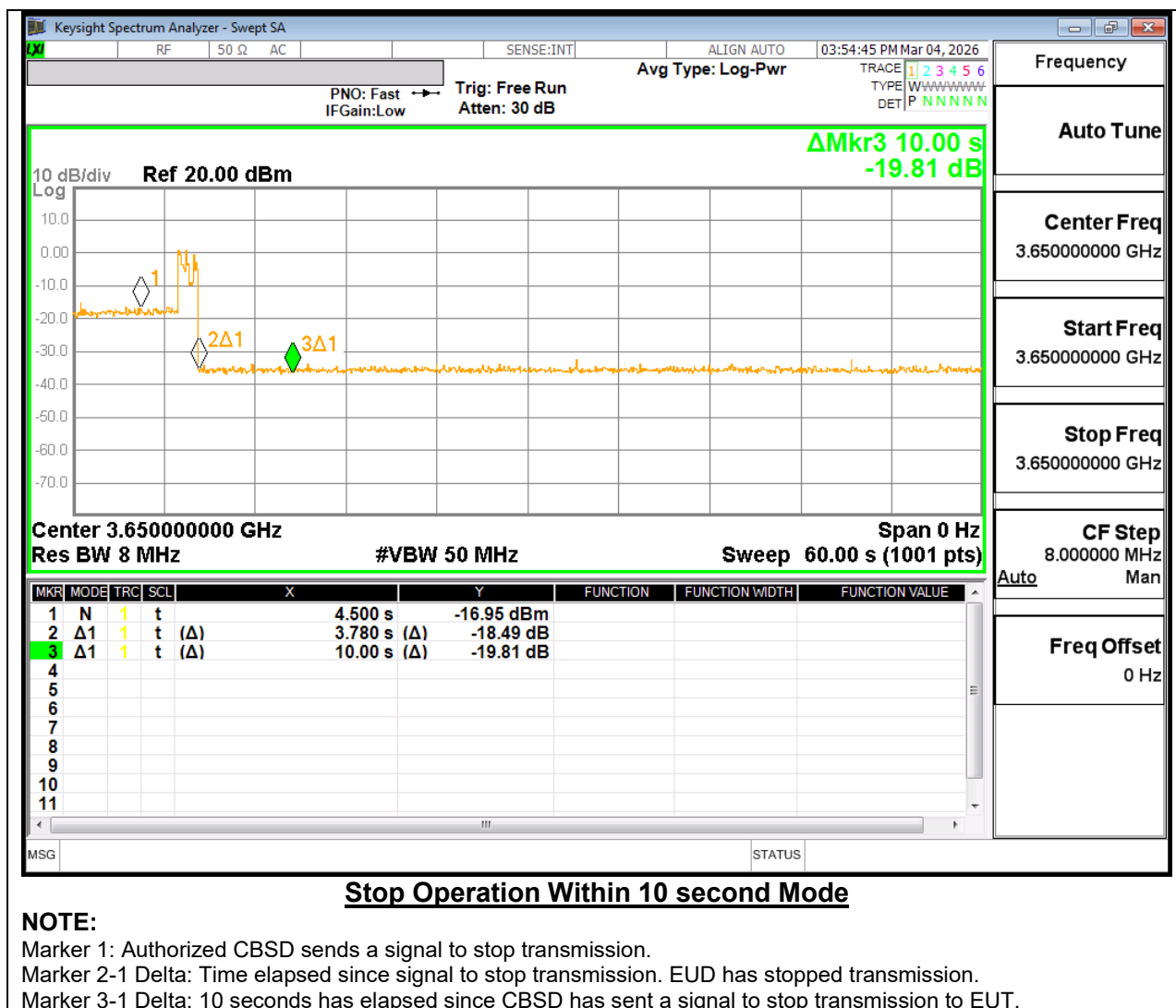
Marker 1: Authorized CBSD sends a signal to stop transmission.

Marker 2-1 Delta: Time elapsed since signal to stop transmission. EUD has stopped transmission.

Marker 3-1 Delta: 10 seconds has elapsed since CBSD has sent a signal to stop transmission to EUT.

8.6.4. END USER DEVICE CONFIGURATION 4





9. RADIATED RESULTS

9.1. RADIATED POWER (EIRP)

RULE PART(S)

FCC: §96.41

LIMITS

§96.41

(b) Unless otherwise specified in this section, the maximum effective isotropic radiated power (EIRP) and maximum Power Spectral Density (PSD) of any CBSD and End User Device must comply with the limits shown in the table.

Device	Maximum EIRP (dBm/10 megahertz)	Maximum PSD (dBm/MHz)
End User Device	23	n/a

(c) Power management. CBSDs and End User Devices shall limit their operating power to the minimum necessary for successful operations.

(1) CBSDs must support transmit power control capability and the capability to limit their maximum EIRP and the maximum EIRP of associated End User Devices in response to instructions from an SAS.

(2) End User Devices shall include transmit power control capability and the capability to limit their maximum EIRP in response to instructions from their associated CBSDs.

TEST PROCEDURE

ANSI / TIA / EIA 603 E Clause 2.2.17; ESU40 setting reference to 971168 D01 v03r01

For radiated output power measurement with a ESU40:

- Set the RBW $\geq$ OBW
- Set VBW $\geq 3 \times$ RBW;
- Set span $\geq 2 \times$ RBW;
- Sweep time = auto couple;
- Detector = rms;
- Ensure that the number of measurement points $\geq 2 \times$ span/RBW;
- Trace Mode = average(100);
- The test was measured using a gated analyzer sweep.

NOTE1

LTE B48C : All Contiguous carriers aggregation were investigated to determine the worst case configuration. Worst case of EIRP test results reported 40MHz BW / 1RB output conditions.

NOTE2

LTE, 5G NR: The OBW value corresponding to the total channel bandwidth is the OBW of Full RB. Measurements were made with a 1RB configuration (worst-case) across the entire channel bandwidth, and FRB configurations were reported for the widest BW.

NOTE3

5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations ($\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

TEST RESULTS

RF Output Power(total power) EIRP results meets Maximum EIRP limit (23 dBm/10MHz) of End User Device.

9.1.1. EIRP RESULT

LTE Band 48 (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm/10 MHz)	EIRP (W/10 MHz)	Limit (dBm/10 MHz)	Delta (dB)	RB
20	QPSK	3560.00	14.65	H	6.22	10.74	19.17	0.083	23.00	-3.83	1 / 49
		3625.00	16.13	H	6.28	10.86	20.70	0.117	23.00	-2.30	1 / 49
		3690.00	15.46	H	6.35	10.79	19.90	0.098	23.00	-3.10	1 / 49
	16-QAM	3560.00	13.96	H	6.22	10.74	18.48	0.070	23.00	-4.52	1 / 0
		3625.00	14.92	H	6.28	10.86	19.49	0.089	23.00	-3.51	1 / 49
		3690.00	14.74	H	6.35	10.79	19.18	0.083	23.00	-3.82	1 / 49
15	QPSK	3557.50	14.77	H	6.21	10.73	19.29	0.085	23.00	-3.71	1 / 37
		3625.00	15.72	H	6.28	10.86	20.29	0.107	23.00	-2.71	1 / 0
		3692.50	15.02	H	6.35	10.79	19.45	0.088	23.00	-3.55	1 / 37
	16-QAM	3557.50	14.13	H	6.21	10.73	18.65	0.073	23.00	-4.35	1 / 37
		3625.00	14.98	H	6.28	10.86	19.55	0.090	23.00	-3.45	1 / 0
		3692.50	13.88	H	6.35	10.79	18.31	0.068	23.00	-4.69	1 / 37
10	QPSK	3555.00	14.34	H	6.21	10.72	18.86	0.077	23.00	-4.14	1 / 0
		3625.00	15.81	H	6.28	10.86	20.38	0.109	23.00	-2.62	1 / 25
		3695.00	15.10	H	6.35	10.78	19.54	0.090	23.00	-3.46	1 / 0
	16-QAM	3555.00	13.65	H	6.21	10.72	18.17	0.066	23.00	-4.83	1 / 0
		3625.00	15.22	H	6.28	10.86	19.79	0.095	23.00	-3.21	1 / 25
		3695.00	14.51	H	6.35	10.78	18.95	0.079	23.00	-4.05	1 / 25
5	QPSK	3552.50	14.47	H	6.21	10.71	18.97	0.079	23.00	-4.03	1 / 12
		3625.00	16.01	H	6.28	10.86	20.58	0.114	23.00	-2.42	1 / 12
		3697.50	15.06	H	6.35	10.78	19.49	0.089	23.00	-3.51	1 / 12
	16-QAM	3552.50	13.46	H	6.21	10.71	17.96	0.063	23.00	-5.04	1 / 12
		3625.00	15.21	H	6.28	10.86	19.78	0.095	23.00	-3.22	1 / 12
		3697.50	14.08	H	6.35	10.78	18.51	0.071	23.00	-4.49	1 / 12
20	QPSK	3560.00	13.56	H	6.22	10.74	15.08	0.032	23.00	-7.92	100/0
		3625.00	14.97	H	6.28	10.86	16.54	0.045	23.00	-6.46	100/0
		3690.00	14.21	H	6.35	10.79	15.65	0.037	23.00	-7.35	100/0
	16-QAM	3560.00	12.95	H	6.22	10.74	14.47	0.028	23.00	-8.53	100/0
		3625.00	14.04	H	6.28	10.86	15.61	0.036	23.00	-7.39	100/0
		3690.00	13.51	H	6.35	10.79	14.95	0.031	23.00	-8.05	100/0

LTE Band 48C(UL CA) (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm/10 MHz)	EIRP (W/10 MHz)	Limit (dBm/10 MHz)	Delta (dB)	RB	
											PCC	SCC
40	QPSK	3569.90	15.89	H	6.23	10.77	20.43	0.110	23.00	-2.57	1/99	1/0
		3625.00	16.33	H	6.28	10.86	20.90	0.123	23.00	-2.10	1/99	1/0
		3680.10	16.58	H	6.35	10.80	21.04	0.127	23.00	-1.96	1/99	1/0
	16-QAM	3569.90	15.06	H	6.23	10.77	19.60	0.091	23.00	-3.40	1/99	1/0
		3625.00	15.53	H	6.28	10.86	20.10	0.102	23.00	-2.90	1/99	1/0
		3680.10	15.42	H	6.35	10.80	19.88	0.097	23.00	-3.12	1/99	1/0

NR Band n48 DFT-s OFDM (ANT E)

BW (MHz)	Modulation	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm/10 MHz)	EIRP (W/10 MHz)	Limit (dBm/10 MHz)	Delta (dB)	RB
40	QPSK	3570.00	15.81	H	6.23	10.77	20.36	0.109	23.00	-2.64	1 / 104
		3624.99	16.73	H	6.28	10.86	21.30	0.135	23.00	-1.70	1 / 104
		3679.98	16.97	H	6.35	10.80	21.42	0.139	23.00	-1.58	1 / 1
	16-QAM	3570.00	14.84	H	6.23	10.77	19.39	0.087	23.00	-3.61	1 / 104
		3624.99	15.68	H	6.28	10.86	20.25	0.106	23.00	-2.75	1 / 1
		3679.98	16.23	H	6.35	10.80	20.68	0.117	23.00	-2.32	1 / 1
30	QPSK	3565.02	15.81	H	6.24	10.76	20.32	0.108	23.00	-2.68	1 / 76
		3624.99	16.67	H	6.28	10.86	21.24	0.133	23.00	-1.76	1 / 76
		3684.99	16.50	H	6.35	10.80	20.95	0.124	23.00	-2.05	1 / 1
	16-QAM	3565.02	14.97	H	6.24	10.76	19.48	0.089	23.00	-3.52	1 / 76
		3624.99	15.68	H	6.28	10.86	20.25	0.106	23.00	-2.75	1 / 76
		3684.99	15.49	H	6.35	10.80	19.94	0.099	23.00	-3.06	1 / 1
20	QPSK	3560.01	15.27	H	6.22	10.74	19.79	0.095	23.00	-3.21	1 / 49
		3624.99	16.78	H	6.28	10.86	21.35	0.136	23.00	-1.65	1 / 49
		3690.00	15.71	H	6.35	10.79	20.15	0.104	23.00	-2.85	1 / 26
	16-QAM	3560.01	14.34	H	6.22	10.74	18.86	0.077	23.00	-4.14	1 / 1
		3624.99	15.85	H	6.28	10.86	20.42	0.110	23.00	-2.58	1 / 1
		3690.00	14.96	H	6.35	10.79	19.40	0.087	23.00	-3.60	1 / 1
15	QPSK	3557.52	15.21	H	6.21	10.73	19.73	0.094	23.00	-3.27	1 / 36
		3624.99	17.17	H	6.28	10.86	21.74	0.149	23.00	-1.26	1 / 36
		3692.49	15.90	H	6.35	10.79	20.33	0.108	23.00	-2.67	1 / 1
	16-QAM	3557.52	14.17	H	6.21	10.73	18.69	0.074	23.00	-4.31	1 / 36
		3624.99	15.86	H	6.28	10.86	20.43	0.110	23.00	-2.57	1 / 1
		3692.49	14.98	H	6.35	10.79	19.41	0.087	23.00	-3.59	1 / 36
10	QPSK	3555.00	14.81	H	6.21	10.72	19.33	0.086	23.00	-3.67	1 / 22
		3624.99	17.07	H	6.28	10.86	21.64	0.146	23.00	-1.36	1 / 1
		3694.98	15.96	H	6.35	10.78	20.40	0.110	23.00	-2.60	1 / 12
	16-QAM	3555.00	14.07	H	6.21	10.72	18.59	0.072	23.00	-4.41	1 / 22
		3624.99	16.50	H	6.28	10.86	21.07	0.128	23.00	-1.93	1 / 1
		3694.98	15.06	H	6.35	10.78	19.50	0.089	23.00	-3.50	1 / 12
40	QPSK	3570.00	14.76	H	6.23	10.77	13.31	0.021	23.00	-9.69	100/0
		3624.99	15.72	H	6.28	10.86	14.29	0.027	23.00	-8.71	100/0
		3679.98	15.96	H	6.35	10.80	14.41	0.028	23.00	-8.59	100/0
	16-QAM	3570.00	13.81	H	6.23	10.77	12.36	0.017	23.00	-10.64	100/0
		3624.99	14.55	H	6.28	10.86	13.12	0.021	23.00	-9.88	100/0
		3679.98	15.04	H	6.35	10.80	13.49	0.022	23.00	-9.51	100/0

NR Band n48 (SRS2, ANT A)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm/10 MHz)	EIRP (W/10 MHz)	Limit (dBm/10 MHz)	Delta (dB)
10	3555.00	10.08	H	6.21	10.72	14.59	0.029	23.00	-8.41
	3624.99	10.00	H	6.28	10.86	14.57	0.029	23.00	-8.43
	3694.98	9.96	H	6.35	10.78	14.39	0.028	23.00	-8.61

NR Band n48 (SRS3, ANT F)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm/10 MHz)	EIRP (W/10 MHz)	Limit (dBm/10 MHz)	Delta (dB)
10	3555.00	15.93	H	6.21	10.72	20.44	0.111	23.00	-2.56
	3624.99	17.39	H	6.28	10.86	21.96	0.157	23.00	-1.04
	3694.98	17.22	H	6.35	10.78	21.65	0.146	23.00	-1.35

NR Band n48 (SRS4, ANT C)

BW (MHz)	Frequency (MHz)	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	EIRP (dBm/10 MHz)	EIRP (W/10 MHz)	Limit (dBm/10 MHz)	Delta (dB)
10	3555.00	10.03	H	6.21	10.72	14.54	0.028	23.00	-8.46
	3624.99	8.89	H	6.28	10.86	13.46	0.022	23.00	-9.54
	3694.98	6.53	H	6.35	10.78	10.96	0.012	23.00	-12.04

9.2. RADIATED SPURIOUS EMISSION

RULE PART(S)

FCC: §2.1053 and §96.41(e)

LIMIT

§96.41

(e) The conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

TEST PROCEDURE

ANSI / TIA / EIA 603 E Clause 2.2.12; ESU40 setting reference to 971168 D01 v03r01
For peak power measurement with a ESU40:

- i) Set the RBW = 1 MHz for emissions above 1 GHz
- j) Set VBW $\geq 3 \times$ RBW;
- k) Set span ≥ 1.5 times the OBW;
- l) Sweep time = auto couple;
- m) Detector = rms;
- n) Ensure that the number of measurement points $\geq 2 \times$ span/RBW;
- o) Trace Mode = average;

NOTE1

LTE: It was tested at 1RB QPSK as worst case (the highest output power and density).
5G NR: All Waveforms (CP-OFDM vs DFT-s_OFDM) and modulations ($\pi/2$ BPSK, QPSK, 16QAM, 64QAM, 256QAM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

NOTE2

Please refer to section 5.4 for bandwidth and RB setting about LTE, 5G NR band.

RESULTS

See the following pages.

9.2.1. SPURIOUS RADIATION RESULT

LTE Band 48

UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
Company:		Samsung							
Project #:		4792147575							
Date:		2026-03-05							
Test Engineer:		28775							
Configuration:		EUT / AC Adapter, Z-Position, HF							
Location:		Chamber 2							
Mode:		LTE_QPSK Band 48 Harmonics, 20MHz Bandwidth							
Test Voltage:		AC 120 V, 60 Hz							
f MHz	SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	AFCL (dB/m)	Conversion Factor(dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
Low Ch, 3560MHz									
7120.00	-77.0	V	3.0	7.7	11.74	-57.6	-40.0	-17.6	NF
10680.00	-81.2	V	3.0	14.9	11.74	-54.6	-40.0	-14.6	NF
14240.00	-82.4	V	3.0	19.7	11.74	-50.9	-40.0	-10.9	NF
7120.00	-76.5	H	3.0	7.7	11.74	-57.1	-40.0	-17.1	NF
10680.00	-81.1	H	3.0	14.9	11.74	-54.4	-40.0	-14.4	NF
14240.00	-82.4	H	3.0	19.7	11.74	-50.9	-40.0	-10.9	NF
Mid Ch, 3625MHz									
7250.00	-76.4	V	3.0	7.8	11.74	-56.9	-40.0	-16.9	NF
10875.00	-78.9	V	3.0	15.5	11.74	-51.6	-40.0	-11.6	NF
14500.00	-81.9	V	3.0	20.7	11.74	-49.4	-40.0	-9.4	NF
7250.00	-76.4	H	3.0	7.8	11.74	-56.9	-40.0	-16.9	NF
10875.00	-76.3	H	3.0	15.5	11.74	-49.0	-40.0	-9.0	NF
14500.00	-82.1	H	3.0	20.7	11.74	-49.6	-40.0	-9.6	NF
High Ch, 3690MHz									
7380.00	-76.8	V	3.0	8.0	11.74	-57.1	-40.0	-17.1	NF
11070.00	-79.4	V	3.0	15.4	11.74	-52.3	-40.0	-12.3	NF
14760.00	-81.5	V	3.0	20.3	11.74	-49.5	-40.0	-9.5	NF
7380.00	-76.6	H	3.0	8.0	11.74	-56.8	-40.0	-16.8	NF
11070.00	-80.5	H	3.0	15.4	11.74	-53.4	-40.0	-13.4	NF
14760.00	-81.7	H	3.0	20.3	11.74	-49.7	-40.0	-9.7	NF
NF : Noise Floor									

NR Band n48

15 MHz DFT-s OFDM QPSK ANT E	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Project #: Date: Test Engineer: Configuration: Location: Mode: Test Votage: Samsung 4792147575 2026-03-11 28775 EUT / AC Adapter, X-Position, HF Chamber 2 5G NR_QPSK NR n48 Harmonics, 15MHz Bandwidth AC 120 V, 60 Hz									
	f MHz	SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	AFCL (dB/m)	Conversion Factor(dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 3557.52MHz									
	7115.04	-77.2	H	3.0	7.7	11.74	-57.8	-40.0	-17.8	NF
	10657.56	-81.2	H	3.0	14.9	11.74	-54.6	-40.0	-14.6	NF
	14210.08	-82.1	H	3.0	19.7	11.74	-50.7	-40.0	-10.7	NF
	Mid Ch, 3624.99MHz									
	7249.98	-76.5	V	3.0	7.8	11.74	-57.0	-40.0	-17.0	NF
	10874.97	-80.7	V	3.0	15.5	11.74	-53.4	-40.0	-13.4	NF
	14499.96	-82.1	V	3.0	20.7	11.74	-49.6	-40.0	-9.6	NF
	7249.98	-76.3	H	3.0	7.8	11.74	-56.8	-40.0	-16.8	NF
	10874.97	-80.4	H	3.0	15.5	11.74	-53.1	-40.0	-13.1	NF
	14499.96	-82.1	H	3.0	20.7	11.74	-49.6	-40.0	-9.6	NF
	High Ch, 3692.49MHz									
	7384.98	-76.9	H	3.0	8.0	11.74	-57.2	-40.0	-17.2	NF
	11077.47	-79.9	H	3.0	15.4	11.74	-52.7	-40.0	-12.7	NF
	14769.96	-81.7	H	3.0	20.3	11.74	-49.7	-40.0	-9.7	NF
	NF : Noise Floor									
10 MHz SRS2 ANT A	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement Company: Project #: Date: Test Engineer: Configuration: Location: Mode: Test Votage: Samsung 4792147575 2026-04-06 26087 EUT / AC Adapter, Z-Position, Open Chamber 1 5G NR n48(SRS) Harmonics, 10MHz Bandwidth AC 120 V, 60 Hz									
	f MHz	SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	AFCL (dB/m)	Conversion Factor(dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 3555MHz									
	7110.00	-77.5	H	3.0	5.1	11.74	-60.7	-40.0	-20.7	NF
	10665.00	-80.5	H	3.0	12.3	11.74	-56.5	-40.0	-16.5	NF
	14220.00	-81.5	H	3.0	15.5	11.74	-54.2	-40.0	-14.2	NF
	Mid Ch, 3624.99MHz									
	7249.98	-77.1	H	3.0	5.3	11.74	-60.1	-40.0	-20.1	NF
	10874.97	-81.1	H	3.0	12.4	11.74	-57.0	-40.0	-17.0	NF
	14499.96	-81.3	H	3.0	16.8	11.74	-52.8	-40.0	-12.8	NF
	High Ch, 3694.98MHz									
	7389.96	-77.0	V	3.0	5.3	11.74	-59.9	-40.0	-19.9	NF
	11084.94	-81.1	V	3.0	13.0	11.74	-56.3	-40.0	-16.3	NF
	14779.92	-81.1	V	3.0	16.6	11.74	-52.7	-40.0	-12.7	NF
	7389.96	-77.1	H	3.0	5.3	11.74	-60.0	-40.0	-20.0	NF
	11084.94	-81.1	H	3.0	13.0	11.74	-56.4	-40.0	-16.4	NF
	14779.92	-81.0	H	3.0	16.6	11.74	-52.7	-40.0	-12.7	NF
	NF : Noise Floor									

10 MHz SRS3 ANT F	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company:		Samsung							
	Project #:		4792147575							
	Date:		2026-04-06							
	Test Engineer:		26087							
	Configuration:		EUT / AC Adapter, X-Position, Open							
	Location:		Chamber 1							
	Mode:		5G NR n48(SRS) Harmonics, 10MHz Bandwidth							
	Test Votage:		AC 120 V, 60 Hz							
	f MHz	SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	AFCL (dB/m)	Conversion Factor(dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 3555MHz									
	7110.00	-77.5	H	3.0	5.1	11.74	-60.7	-40.0	-20.7	NF
	10665.00	-80.6	H	3.0	12.3	11.74	-56.6	-40.0	-16.6	NF
	14220.00	-81.5	H	3.0	15.5	11.74	-54.2	-40.0	-14.2	NF
	Mid Ch, 3624.99MHz									
7249.98	-77.1	H	3.0	5.3	11.74	-60.1	-40.0	-20.1	NF	
10874.97	-81.2	H	3.0	12.4	11.74	-57.0	-40.0	-17.0	NF	
14499.96	-81.4	H	3.0	16.8	11.74	-52.9	-40.0	-12.9	NF	
High Ch, 3694.98MHz										
7389.96	-77.0	V	3.0	5.3	11.74	-59.9	-40.0	-19.9	NF	
11084.94	-81.2	V	3.0	13.0	11.74	-56.5	-40.0	-16.5	NF	
14779.92	-81.0	V	3.0	16.6	11.74	-52.7	-40.0	-12.7	NF	
7389.96	-77.0	H	3.0	5.3	11.74	-59.9	-40.0	-19.9	NF	
11084.94	-81.2	H	3.0	13.0	11.74	-56.5	-40.0	-16.5	NF	
14779.92	-81.0	H	3.0	16.6	11.74	-52.7	-40.0	-12.7	NF	
NF : Noise Floor										

10 MHz SRS4 ANT C	UL Verification Services, Inc. Above 1GHz High Frequency Substitution Measurement									
	Company:		Samsung							
	Project #:		4792147575							
	Date:		2026-04-07							
	Test Engineer:		26087							
	Configuration:		EUT / X-Position, Open							
	Location:		Chamber 1							
	Mode:		5G NR n48(SRS) Harmonics, 10MHz Bandwidth							
	Test Votage:		AC 120 V, 60 Hz							
	f MHz	SA reading (dBm)	Ant. Pol. (H/V)	Distance (m)	AFCL (dB/m)	Conversion Factor(dB)	EIRP (dBm)	Limit (dBm)	Delta (dB)	Notes
	Low Ch, 3555MHz									
	7110.00	-77.5	H	3.0	5.1	11.74	-60.7	-40.0	-20.7	
	10665.00	-80.7	H	3.0	12.3	11.74	-56.6	-40.0	-16.6	NF
	14220.00	-81.7	H	3.0	15.5	11.74	-54.4	-40.0	-14.4	NF
	Mid Ch, 3624.99MHz									
7249.98	-76.4	H	3.0	5.3	11.74	-59.4	-40.0	-19.4		
10874.97	-80.9	H	3.0	12.4	11.74	-56.7	-40.0	-16.7	NF	
14499.96	-81.2	H	3.0	16.8	11.74	-52.7	-40.0	-12.7	NF	
High Ch, 3694.98MHz										
7389.96	-76.3	V	3.0	5.3	11.74	-59.2	-40.0	-19.2		
11084.94	-81.3	V	3.0	13.0	11.74	-56.6	-40.0	-16.6	NF	
14779.92	-80.9	V	3.0	16.6	11.74	-52.6	-40.0	-12.6	NF	
7389.96	-75.7	H	3.0	5.3	11.74	-58.6	-40.0	-18.6		
11084.94	-81.3	H	3.0	13.0	11.74	-56.6	-40.0	-16.6	NF	
14779.92	-81.0	H	3.0	16.6	11.74	-52.6	-40.0	-12.6	NF	
NF : Noise Floor										

END OF TEST REPORT