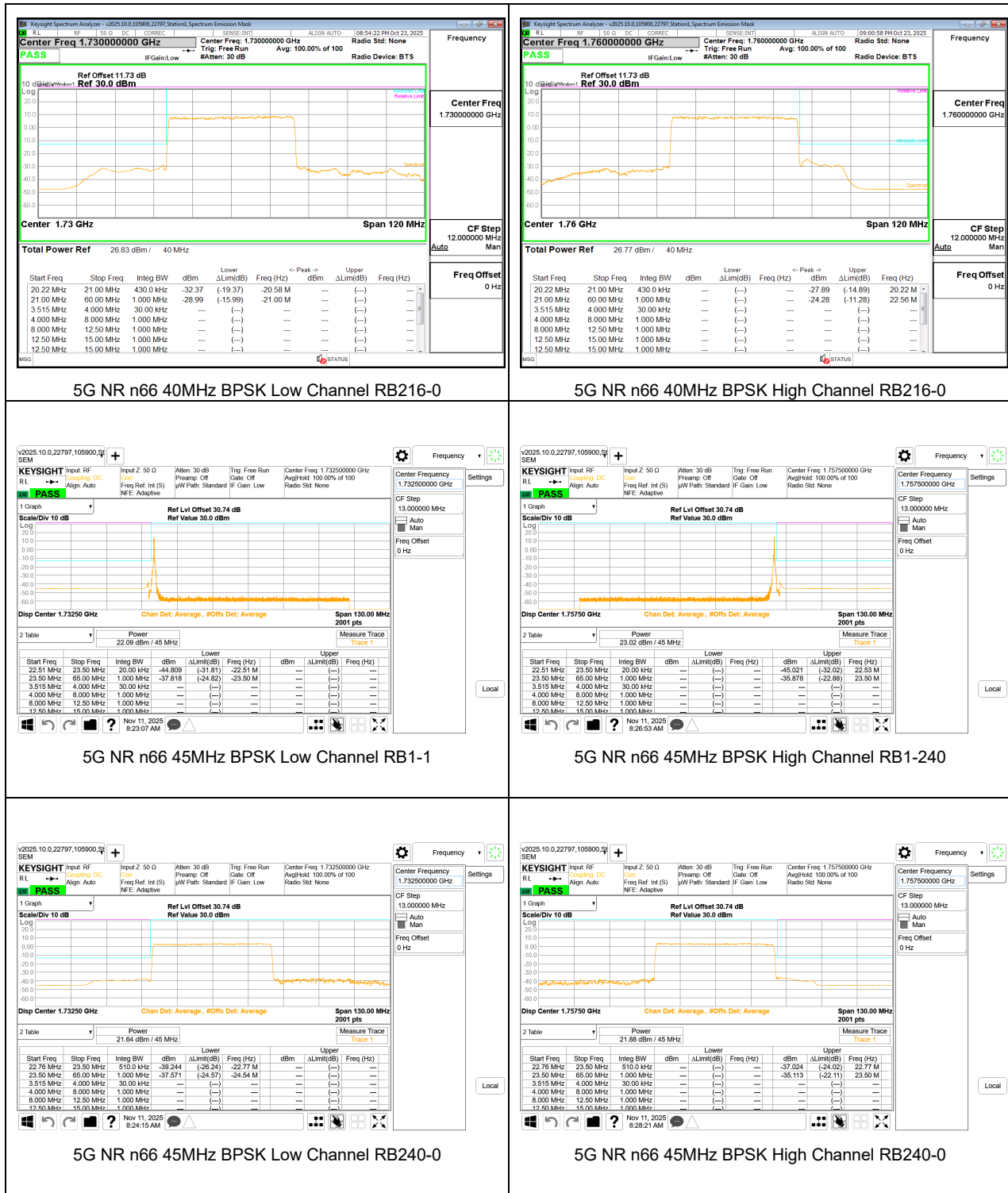










8.3. OUT OF BAND EMISSIONS

LIMITS

FCC: §27.53 (h)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

ISED: RSS139§5.6

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

TEST PROCEDURE

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.

For each out of band emissions measurement:

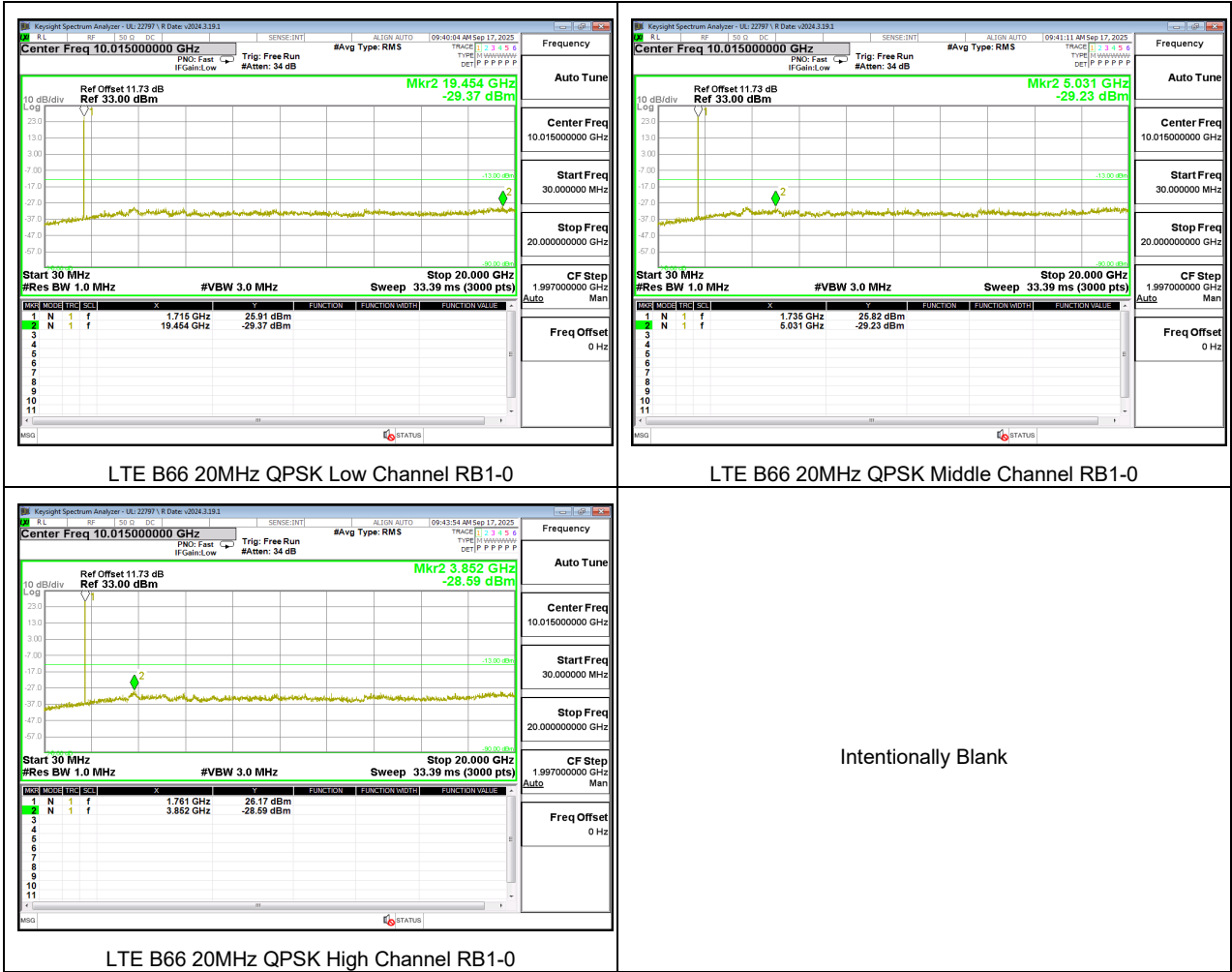
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

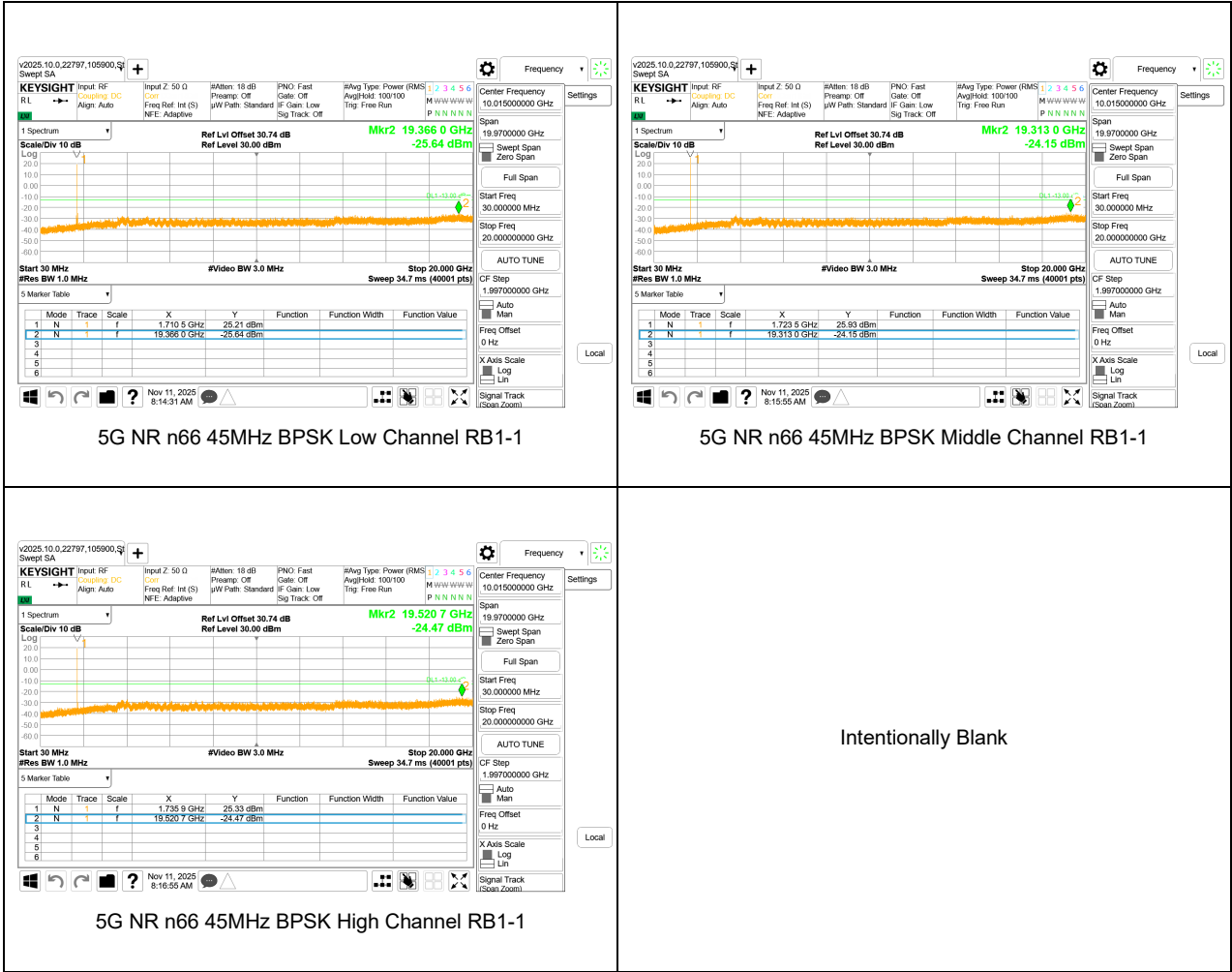
QPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, QPSK with 1RB and wider bandwidths results are reported as worst case for LTE bands.

BPSK with 1RB is the highest power to all bandwidth. 1RB has the same frequency and power to all bandwidth. Therefore, BPSK with 1RB and wider bandwidths results are reported as worst case for 5G NRs.

8.3.1. LTE BAND 66



8.3.2. 5G NR n66



8.4. FREQUENCY STABILITY

LIMITS

FCC: §27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

ISED: RSS139§5.4

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block or frequency block group when tested to the temperature and supply voltage variations specified in RSS-Gen.

TEST PROCEDURE

Use base station simulator with Frequency Error measurement capability.

- Temp. = -30°C to +50°C
- Voltage = (85% - 115%)
Normal, 3.89VDC
End Voltage, 3.69VDC.

Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until +50°C is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

RESULTS

See the following pages.

8.4.1. LTE BAND 66 (20MHz BANDWIDTH)

Test Engineer ID:	105900; 22797	Test Data:	2025/10/08 - 2025/10/22
-------------------	---------------	------------	-------------------------

Band	66	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1710	1780		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	1710.8300	1779.1720			
Extreme (50°C)		1710.8300	1779.1720	5.64	0.003	Yes
Extreme (40°C)		1710.8300	1779.1720	5.9	0.003	Yes
Extreme (30°C)		1710.8300	1779.1720	4.83	0.003	Yes
Extreme (10°C)		1710.8300	1779.1720	3.58	0.002	Yes
Extreme (0°C)		1710.8300	1779.1720	6.64	0.004	Yes
Extreme (-10°C)		1710.8300	1779.1720	5.52	0.003	Yes
Extreme (-20°C)		1710.8300	1779.1720	3.26	0.002	Yes
Extreme (-30°C)		1710.8300	1779.1720	3.39	0.002	Yes
20°C	End Point Voltage	1710.8300	1779.1720	2.02	0.001	Yes

8.4.2. 5G NR n66 (45MHz BANDWIDTH)

Test Engineer ID:	105900; 22797	Test Data:	2025/10/08 - 2025/10/22
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Band	66	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1710	1780			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1710.3250	1779.2750			
Extreme (50°C)		1710.3250	1779.2750	15.1	0.009	Yes
Extreme (40°C)		1710.3250	1779.2750	16.2	0.009	Yes
Extreme (30°C)		1710.3250	1779.2750	12.7	0.007	Yes
Extreme (10°C)		1710.3250	1779.2750	12.4	0.007	Yes
Extreme (0°C)		1710.3250	1779.2750	10.8	0.006	Yes
Extreme (-10°C)		1710.3250	1779.2750	16.1	0.009	Yes
Extreme (-20°C)		1710.3250	1779.2750	11.7	0.007	Yes
Extreme (-30°C)		1710.3250	1779.2750	18.1	0.010	Yes
20°C	End Point Voltage	1710.3250	1779.2750	15.3	0.009	Yes

8.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

FCC: §27.50 (d) (5)

In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

ISED: RSS139§5.5

In addition, the peak to average power ratio (PAPR) of the equipment shall not exceed 13 dB for more than 0.1% of the time, using a signal that corresponds to the highest PAPR during periods of continuous transmission.

RESULT

Config 0 to measure as the worst case; full resource block (FRB) for each bandwidth was used to measure as the worst case. The results from all CCDF measurements are passed with 13dB peak-to-average power ratio criteria.

8.5.1. LTE BAND 66

Test Engineer ID:	33499	Test Date	10/10/25 - 10/22/2025
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
LTE Band 66	1.4MHz	1745.0	6	0	QPSK	25.86	21.36	4.50
					16QAM	25.92	20.49	5.43
	3MHz		15	0	QPSK	26.13	21.52	4.61
					16QAM	26.04	20.45	5.59
	5MHz		25	0	QPSK	26.19	21.47	4.72
					16QAM	26.27	20.50	5.77
	10MHz		50	0	QPSK	26.14	21.45	4.69
					16QAM	26.29	20.49	5.80
	15MHz		75	0	QPSK	26.16	21.38	4.78
					16QAM	26.3	20.46	5.84
20MHz	100	0	QPSK	26.32	21.41	4.91		
			16QAM	26.37	20.46	5.91		
Duty Cycle Correction Factor (dB) =								
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

8.5.2. 5G NR n66

Test Engineer ID:	33499	Test Date	10/10/25 - 10/22/2025
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
5G NR n66	5MHz	1745.0	25	0	BPSK	25.280	21.58	3.70
					16QAM	25.460	21.37	4.09
	10MHz		50	0	BPSK	25.702	21.85	3.85
					16QAM	25.553	20.06	5.50
	15MHz		75	0	BPSK	25.964	21.69	4.27
					16QAM	25.539	20.17	5.37
	20MHz		100	0	BPSK	25.764	21.73	4.04
					16QAM	25.759	20.16	5.60
	25MHz		128	0	BPSK	25.951	21.77	4.18
					16QAM	25.947	20.15	5.80
	30MHz		160	0	BPSK	25.934	21.89	4.04
					16QAM	25.654	20.12	5.54
	35MHz		180	0	BPSK	25.988	21.69	4.30
					16QAM	25.759	20.13	5.63
	40MHz		216	0	BPSK	25.973	21.67	4.31
					16QAM	25.816	20.21	5.61
	45MHz		240	0	BPSK	25.840	21.48	4.36
					16QAM	25.390	21.89	3.50
Duty Cycle Correction Factor (dB) =								
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

9. RADIATED TEST RESULTS

LIMITS

FCC: §27.53 (h)
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

ISED: RSS139§5.6
Unwanted emissions shall be measured in terms of average values.
For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 4.

Table 6: Unwanted emission limits	
Offset from the edge of the frequency block or frequency block group	Unwanted emission limits
≤1 MHz	-13 dBm/(1% of B*)
>1 MHz	-13 dBm/MHz

*B is the frequency block or frequency block group.

Radiated measurement using the Field Strength Method

Using the test configuration shown in Figure 6 below, the radiated emissions is measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in 5.5.1 of ANSI C63.26-2015, the field strength measurement method using a test site validated to the requirements of ANSI C63.4 is an alternative to the substitution measurement.

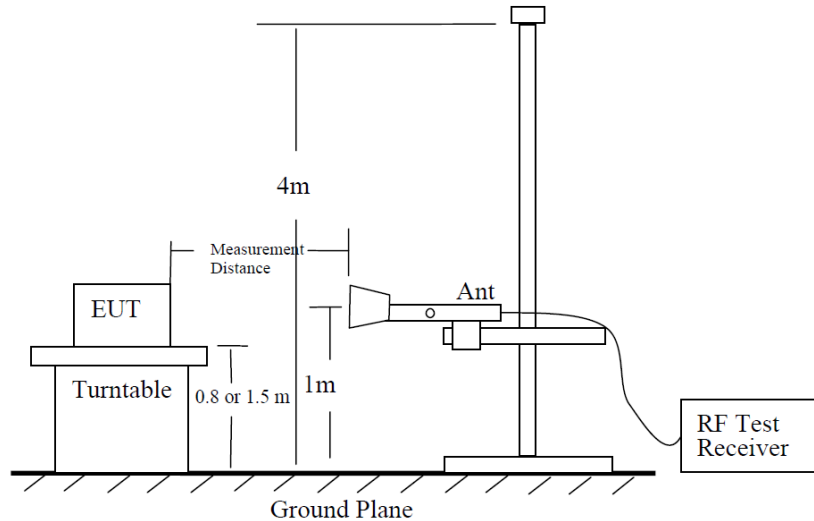


Figure 6—Test site-up for radiated ERP and/or EIRP measurements

Radiated Power Measurement Calculation According to ANSI C63.26-2015

- a) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- b) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- c) $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$; where D is the measurement distance (in the far field region) in m.
- d) $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.

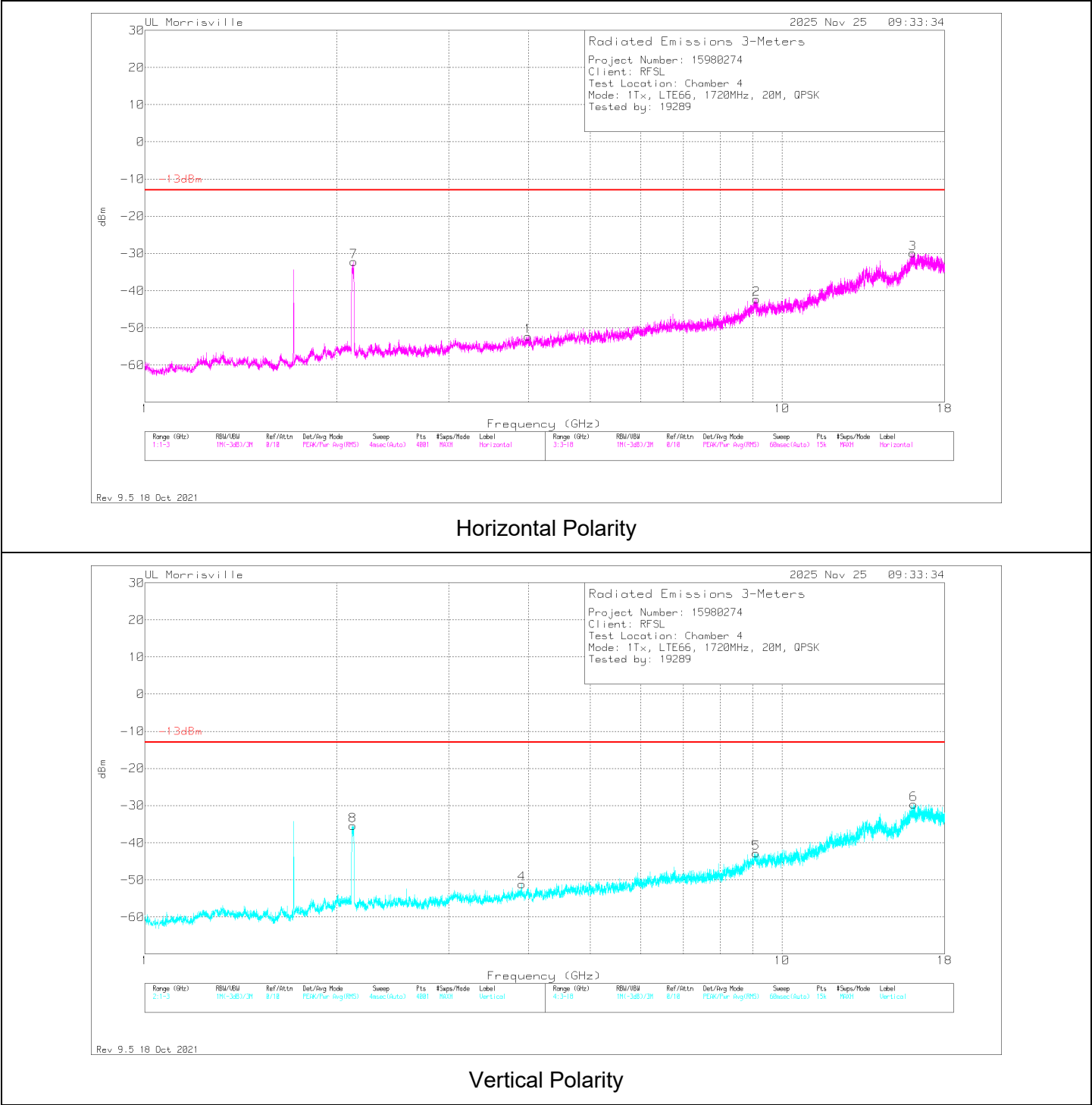
So, from d)

The measuring distance is usually at 3m, then $20 \cdot \log(3) = 9.5424$

Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

Note: Confidence check of each chamber is performed daily to see if any degradation from expected/normal reading reference data. Ambient check of each chamber is performed monthly.

Example Plot



Trace Markers

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
8*	2.119	-43.11	Pk	31.5	-37	11.8	1.4	-35.41	-	-	0-360	300	V
7*	2.126	-39.84	Pk	31.4	-36.8	11.8	1.3	-32.14	-	-	0-360	100	H
4	3.903	-63.71	Pk	33.4	-32.6	11.8	0	-51.11	-13	-38.11	0-360	300	V
1	3.997	-65.01	Pk	33.4	-32.5	11.8	0	-52.31	-13	-39.31	0-360	200	H
5	9.109	-66.69	Pk	36	-23.9	11.8	0	-42.79	-13	-29.79	0-360	300	V
2	9.113	-65.83	Pk	36.1	-24.4	11.8	0	-42.33	-13	-29.33	0-360	100	H
3	16.042	-66.75	Pk	40.7	-15.7	11.8	0	-29.95	-13	-16.95	0-360	200	H
6	16.097	-67.56	Pk	40.8	-14.7	11.8	0	-29.66	-13	-16.66	0-360	200	V

Pk - Peak detector

*- Downlink

9.1. EFFECTIVE RADIATED POWER ERP/EIRP

EIRP/ERP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

$$\text{ERP/EIRP} = \text{PMeas} + \text{GT} - \text{LC}$$

where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm);

PMeas = measured transmitter output power or PSD, in dBm or dBW;

GT = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

LC = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

EUT includes different power levels for head use configuration and body use configuration and the tables below contain the highest of all configurations average conducted and peak EIRP output powers as follows:

ANSI / TIA / EIA 603-E (2016), Clause 2.2.17; PSA setting reference to 971168 D01

For average power measurements:

- a) Set span to at least 1.5 times the OBW;
- b) Set RBW = 1-5% of the OBW, not to exceed 1 MHz;
- c) Set VBW $\geq 3 \times$ RBW;
- d) Set number of points in sweep $\geq 2 \times$ span / RBW;
- e) Sweep time = auto-couple;
- f) Detector = RMS (power averaging);
- g) Trace average at least 100 traces in power averaging (i.e., RMS) mode.
- h) Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band power measurement function.

TEST RESULTS

9.1.1. LTE BAND 66 20MHz BW

High Frequency Substitution Measurement UL Morrisville Chamber 4									
Company:		Samsung Electronics Co., Ltd.							
Project #:		15980274							
Date:		9/10/2025 thru 12/23/2025							
Test Engineer:		19289							
Configuration:		EUT Only							
Mode:		1TX, LTE66, 1745MHz, 20M, QPSK							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	DCCF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
1745.00	24.76	H	8.49	5.38		21.65	33.01	-11.36	RB1-0
1745.00	24.42	V	8.49	5.38		21.31	33.01	-11.70	RB1-0
1745.00	21.26	H	8.49	5.38		18.15	33.01	-14.86	RB1-50
1745.00	19.45	V	8.49	5.38		16.34	33.01	-16.67	RB1-50
1745.00	25.67	H	8.49	5.38		22.56	33.01	-10.45	RB1-99
1745.00	24.05	V	8.49	5.38		20.94	33.01	-12.07	RB1-99
Rev. 10.17.25									

High Frequency Substitution Measurement UL Morrisville Chamber 4									
Company:		Samsung Electronics Co., Ltd.							
Project #:		15980274							
Date:		9/10/2025 thru 12/23/25							
Test Engineer:		19289							
Configuration:		EUT Only							
Mode:		1TX, LTE66, 1745MHz, 20M, 16QAM							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	DCCF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
1745.00	25.06	H	8.49	5.38		21.95	33.01	-11.06	RB1-0
1745.00	24.45	V	8.49	5.38		21.34	33.01	-11.67	RB1-0
1745.00	20.83	H	8.49	5.38		17.72	33.01	-15.29	RB1-50
1745.00	16.82	V	8.49	5.38		13.71	33.01	-19.30	RB1-50
1745.00	25.58	H	8.49	5.38		22.47	33.01	-10.54	RB1-99
1745.00	24.30	V	8.49	5.38		21.19	33.01	-11.82	RB1-99
Rev. 10.17.25									

CONFIG 0

9.1.2. LTE BAND 66 WC BW

High Frequency Substitution Measurement UL Morrisville Chamber 4

Company: Samsung Electronics Co., Ltd.
Project #: 15980274
Date: 9/10/2025 thru 12/23/2025
Test Engineer: 19289
Configuration: EUT Only
Mode: 1TX, LTE66, 1745MHz, 5M, QPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	DCCF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
1745.00	26.01	H	8.49	5.38		22.90	33.01	-10.11	RB1-0

Rev. 10.17.25

CONFIG 0

9.1.3. 5G NR n66 45MHz BW

High Frequency Substitution Measurement UL Morrisville Chamber 4									
Company:		Samsung Electronics Co., Ltd.							
Project #:		15980274							
Date:		9/10/2025 thru 12/23/25							
Test Engineer:		19289							
Configuration:		EUT Only							
Mode:		1TX, FR1 n66, 1745MHz, 45M, BPSK							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	DCCF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
1745.00	21.45	H	8.49	5.38		18.34	33.01	-14.67	RB1-1
1745.00	18.94	V	8.49	5.38		15.83	33.01	-17.18	RB1-1
1745.00	23.33	H	8.49	5.38		20.22	33.01	-12.79	RB1-108
1745.00	18.97	V	8.49	5.38		15.86	33.01	-17.15	RB1-108
1745.00	23.99	H	8.49	5.38		20.88	33.01	-12.13	RB1-214
1745.00	19.70	V	8.49	5.38		16.59	33.01	-16.42	RB1-214
Rev. 10.17.25									

High Frequency Substitution Measurement UL Morrisville Chamber 4									
Company:		Samsung Electronics Co., Ltd.							
Project #:		15980274							
Date:		9/10/2025 thru 12/23/25							
Test Engineer:		19289							
Configuration:		EUT Only							
Mode:		1TX, FR1 n66, 1745MHz, 45M, 16QAM							
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	DCCF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
1745.00	22.56	H	8.49	5.38		19.45	33.01	-13.56	RB1-1
1745.00	20.35	V	8.49	5.38		17.24	33.01	-15.77	RB1-1
1745.00	22.28	H	8.49	5.38		19.17	33.01	-13.84	RB1-108
1745.00	17.83	V	8.49	5.38		14.72	33.01	-18.29	RB1-108
1745.00	20.39	H	8.49	5.38		17.28	33.01	-15.73	RB1-214
1745.00	17.39	V	8.49	5.38		14.28	33.01	-18.73	RB1-214
Rev. 10.17.25									

CONFIG 0

**High Frequency Substitution Measurement
UL Morrisville Chamber 4**

Company: Samsung Electronics Co., Ltd.
Project #: 15980274
Date: 9/10/2025 thru 12/23/25
Test Engineer: 19289
Configuration: EUT Only
Mode: 1TX, FR1 n66, 1745MHz, 45M, BPSK

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	DCCF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
1745.00	20.64	H	8.49	5.38		17.53	33.01	-15.48	RB1-1
1745.00	12.44	V	8.49	5.38		9.33	33.01	-23.68	RB1-1
1745.00	23.92	H	8.49	5.38		20.81	33.01	-12.20	RB1-121
1745.00	18.12	V	8.49	5.38		15.01	33.01	-18.00	RB1-121
1745.00	20.18	H	8.49	5.38		17.07	33.01	-15.94	RB1-240
1745.00	15.58	V	8.49	5.38		12.47	33.01	-20.54	RB1-240

Rev. 10.17.25

**High Frequency Substitution Measurement
UL Morrisville Chamber 4**

Company: Samsung Electronics Co., Ltd.
Project #: 15980274
Date: 9/10/2025 thru 12/23/25
Test Engineer: 19289
Configuration: EUT Only
Mode: 1TX, FR1 n66, 1745MHz, 45M, 16QAM

f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	DCCF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
1745.00	20.52	H	8.49	5.38		17.41	33.01	-15.60	RB1-1
1745.00	13.48	V	8.49	5.38		10.37	33.01	-22.64	RB1-1
1745.00	22.93	H	8.49	5.38		19.82	33.01	-13.19	RB1-121
1745.00	17.05	V	8.49	5.38		13.94	33.01	-19.07	RB1-121
1745.00	18.70	H	8.49	5.38		15.59	33.01	-17.42	RB1-240
1745.00	14.10	V	8.49	5.38		10.99	33.01	-22.02	RB1-240

Rev. 10.17.25

CONFIG 1

9.1.4. 5G NR n66 WC BW

High Frequency Substitution Measurement UL Morrisville Chamber 4 Company: Samsung Electronics Co., Ltd. Project #: 15980274 Date: 9/10/2025 thru 12/23/25 Test Engineer: 19289 Configuration: EUT Only Mode: 1TX, FR1 n66, 1745MHz, 15M, BPSK									
f MHz	SG reading (dBm)	Ant. Pol. (H/V)	Cable Loss (dB)	Antenna Gain (dBi)	DCCF (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Notes
1745.00	25.37	H	8.49	5.38		22.26	33.01	-10.75	RB1-1
Rev. 10.17.25									
CONFIG 1									

9.2. FIELD STRENGTH OF SPURIOUS RADIATION, ABOVE 1GHz

TEST PROCEDURE

KDB 971168 D01 /D02

All tests above 1GHz were done with a Resolution Bandwidth of 1MHz, and a Video Bandwidth of 3MHz

RESULTS

9.2.1. LTE BAND 66

LTE BAND 66 (QPSK 20.0MHZ BANDWIDTH, Config 0)

Project #:	15980274
Date:	2025-11-25
Test Engineer:	19289
Configuration:	EUT Only
Mode	LTE66 20MHz BW QPSK
Chamber #:	Chamber 4

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Amp/Cbl (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.903	-63.71	Pk	33.4	-32.6	11.8	0	-51.11	-13	-38.11
3.997	-65.01	Pk	33.4	-32.5	11.8	0	-52.31	-13	-39.31
9.109	-66.69	Pk	36	-23.9	11.8	0	-42.79	-13	-29.79
9.113	-65.83	Pk	36.1	-24.4	11.8	0	-42.33	-13	-29.33
16.042	-66.75	Pk	40.7	-15.7	11.8	0	-29.95	-13	-16.95
16.097	-67.56	Pk	40.8	-14.7	11.8	0	-29.66	-13	-16.66
Mid Channel, 1745MHz									
4.583	-64.33	Pk	34.1	-31.7	11.8	0	-50.13	-13	-37.13
4.791	-64.71	Pk	33.9	-31.3	11.8	0	-50.31	-13	-37.31
9.053	-65.7	Pk	36	-23.6	11.8	0	-41.5	-13	-28.5
9.136	-64.92	Pk	36.1	-25.5	11.8	0	-42.52	-13	-29.52
16.103	-67.23	Pk	40.8	-15	11.8	0	-29.63	-13	-16.63
16.423	-65.23	Pk	41.1	-17.4	11.8	0	-29.73	-13	-16.73
High Channel, 1770MHz									
5.035	-63.67	Pk	34	-32.1	11.8	0	-49.97	-13	-36.97
5.08	-64.2	Pk	34.2	-32.1	11.8	0	-50.3	-13	-37.3
9.063	-66.33	Pk	36	-24.2	11.8	0	-42.73	-13	-29.73
9.154	-66.38	Pk	36.2	-24.4	11.8	0	-42.78	-13	-29.78
16.355	-67.07	Pk	40.9	-15.4	11.8	0	-29.77	-13	-16.77
16.355	-66.29	Pk	40.9	-15.4	11.8	0	-28.99	-13	-15.99

9.2.2. 5G NR n66

5G NR n66 (BPSK 45.0MHZ BANDWIDTH, Config 0)

Project #:	15980274
Date:	2025-12-19
Test Engineer:	19289
Configuration:	EUT Only
Mode	FR1 n66 BPSK 45MHz
Chamber #:	Chamber 4

Frequency (GHz)	Meter Reading (dBm)	Det	206211 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1732.5MHz										
4.613	-64.31	Pk	34.2	-32.7	11.8	0	-51.01	-13	-38.01	V
4.682	-64.57	Pk	34.1	-32	11.8	0	-50.67	-13	-37.67	H
8.762	-65	Pk	35.9	-25	11.8	0	-42.3	-13	-29.3	H
8.812	-65.79	Pk	35.9	-25	11.8	0	-43.09	-13	-30.09	V
16.102	-68.06	Pk	40.8	-14.9	11.8	0	-30.36	-13	-17.36	H
16.358	-66.32	Pk	40.9	-15.9	11.8	0	-29.52	-13	-16.52	V
Mid Channel, 1745MHz										
4.935	-64.15	Pk	33.8	-31.8	11.8	0	-50.35	-13	-37.35	V
4.992	-64.62	Pk	33.9	-31.5	11.8	0	-50.42	-13	-37.42	H
9.107	-66.13	Pk	36	-23.8	11.8	0	-42.13	-13	-29.13	V
9.577	-65.09	Pk	36.6	-24.6	11.8	0	-41.29	-13	-28.29	H
15.965	-66.26	Pk	40.7	-15.9	11.8	0	-29.66	-13	-16.66	H
16.492	-66.11	Pk	41.2	-16.6	11.8	0	-29.71	-13	-16.71	V
High Channel, 1757.5MHz										
3.987	-64.41	Pk	33.4	-31.9	11.8	0	-51.11	-13	-38.11	V
3.99	-65.65	Pk	33.4	-31.9	11.8	0	-52.35	-13	-39.35	H
8.829	-67.98	Pk	36	-23.8	11.8	0	-43.98	-13	-30.98	V
9.989	-66.87	Pk	37.1	-24.5	11.8	0	-42.47	-13	-29.47	H
16.725	-67.79	Pk	41.6	-15.9	11.8	0	-30.29	-13	-17.29	H
17.004	-68.16	Pk	41.5	-15.7	11.8	0	-30.56	-13	-17.56	V

5G NR n66 (BPSK 45.0MHZ BANDWIDTH, Config 1)

Project #:	15980274
Date:	2025-11-25
Test Engineer:	19289
Configuration:	EUT Only
Mode	FR1 BPSK n66 45MHz
Chamber #:	Chamber 4

Frequency (GHz)	Meter Reading (dBm)	Det	206211 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1732.5MHz										
4.378	-63.34	Pk	33.6	-32.5	11.8	0	-50.44	-13	-37.44	V
4.715	-63.39	Pk	34	-32	11.8	0	-49.59	-13	-36.59	H
11.046	-66.81	Pk	37.8	-23.5	11.8	0	-40.71	-13	-27.71	H
11.063	-68.77	Pk	37.8	-21.8	11.8	0	-40.97	-13	-27.97	V
16.727	-68.21	Pk	41.6	-15.9	11.8	0	-30.71	-13	-17.71	V
16.834	-68.48	Pk	41.7	-15.4	11.8	0	-30.38	-13	-17.38	H
Mid Channel, 1745MHz										
4.832	-65.44	Pk	34	-31.5	11.8	0	-51.14	-13	-38.14	V
5.866	-65.42	Pk	34.8	-30.1	11.8	0	-48.92	-13	-35.92	H
12.352	-67.32	Pk	38.8	-21.1	11.8	0	-37.82	-13	-24.82	V
13.234	-68.39	Pk	38.9	-18.4	11.8	0	-36.09	-13	-23.09	H
16.821	-67.6	Pk	41.6	-15.9	11.8	0	-30.1	-13	-17.1	V
16.96	-68.46	Pk	41.6	-15.8	11.8	0	-30.86	-13	-17.86	H
High Channel, 1757.5MHz										
3.869	-62.93	Pk	33.5	-33.2	11.8	0	-50.83	-13	-37.83	V
4.198	-63.29	Pk	33.3	-32.2	11.8	0	-50.39	-13	-37.39	H
8.559	-66.49	Pk	35.7	-25.7	11.8	0	-44.69	-13	-31.69	V
8.829	-67.62	Pk	36	-23.8	11.8	0	-43.62	-13	-30.62	H
16.105	-68.24	Pk	40.8	-15.2	11.8	0	-30.84	-13	-17.84	H
16.184	-68.43	Pk	40.8	-15.1	11.8	0	-30.93	-13	-17.93	V

10. SETUP PHOTOS

Please see R15980274-EP1c for Setup Diagrams and Setup Photos.

END OF REPORT