
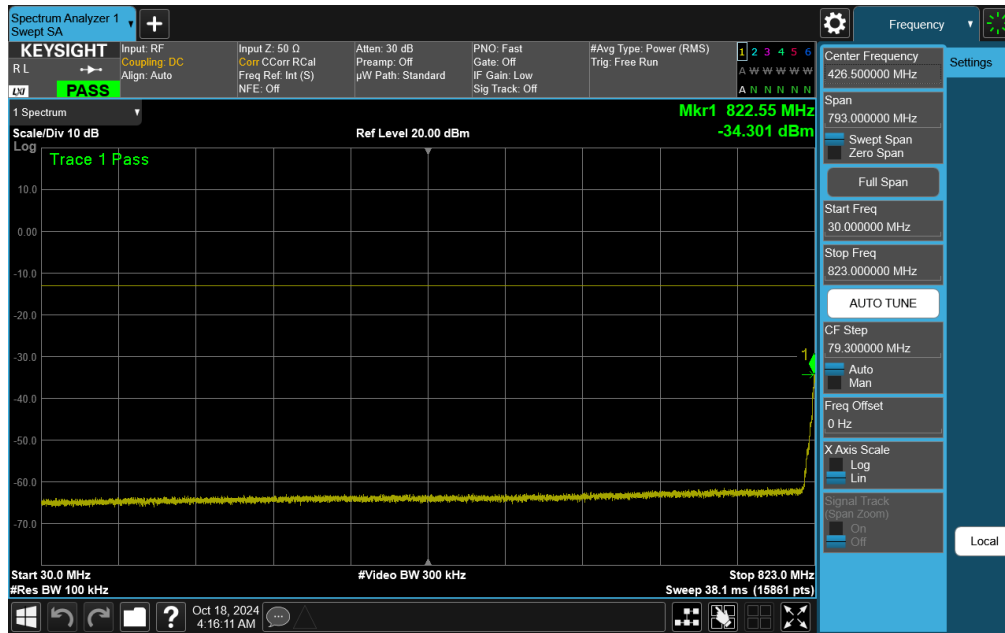


Plot 7-68. Conducted Spurious Plot (NR Band n26/n5 - 20.0MHz DFT-s-OFDM QPSK - RB Size 1, RB Offset 0 - High Channel)

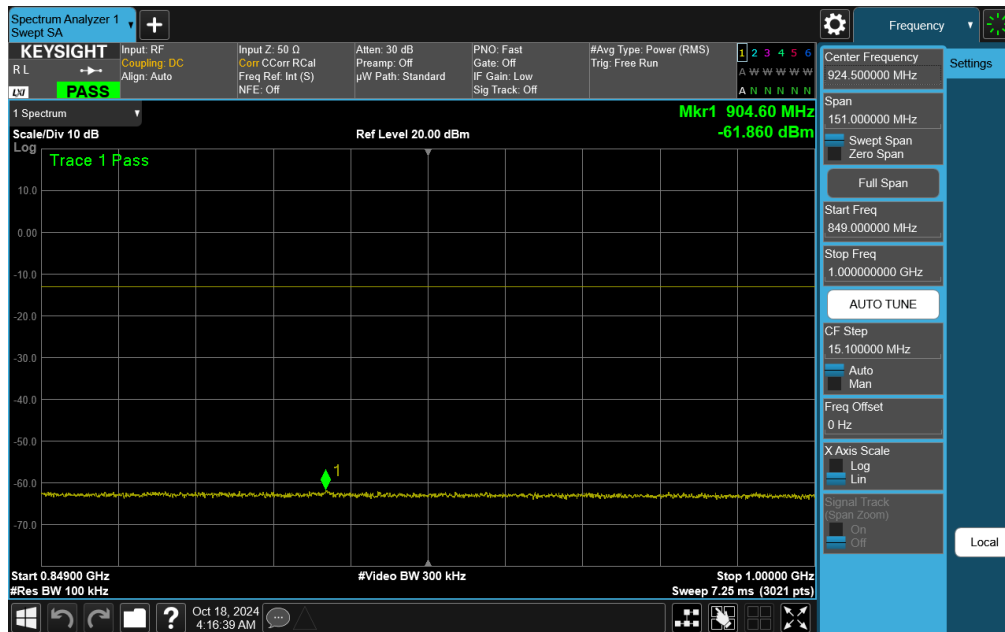
FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA Cell



Plot 7-69. Conducted Spurious Plot (WCDMA Ch. 4132)

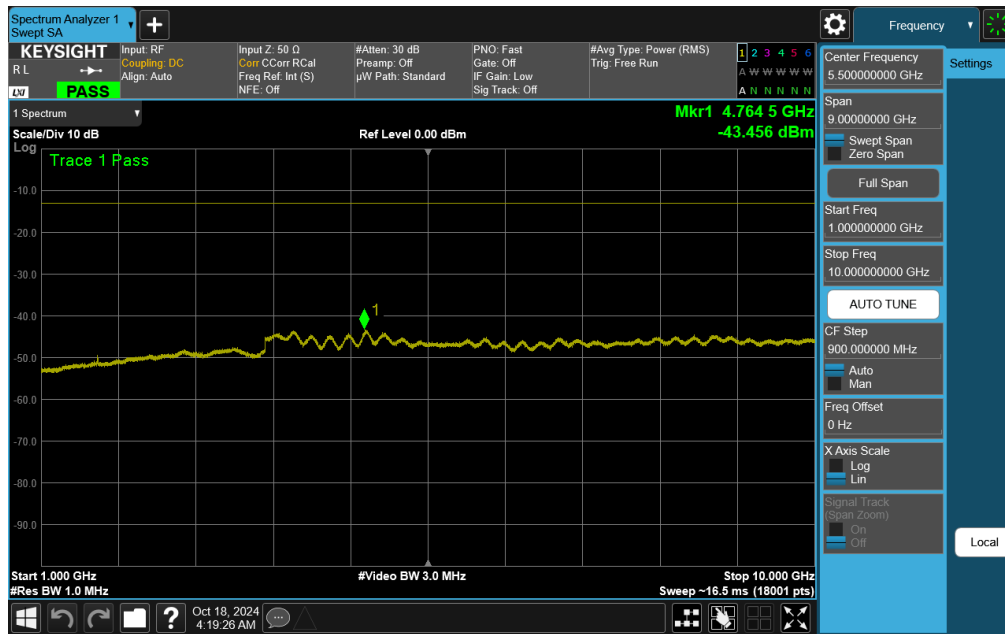


Plot 7-70. Conducted Spurious Plot (WCDMA Ch. 4132)

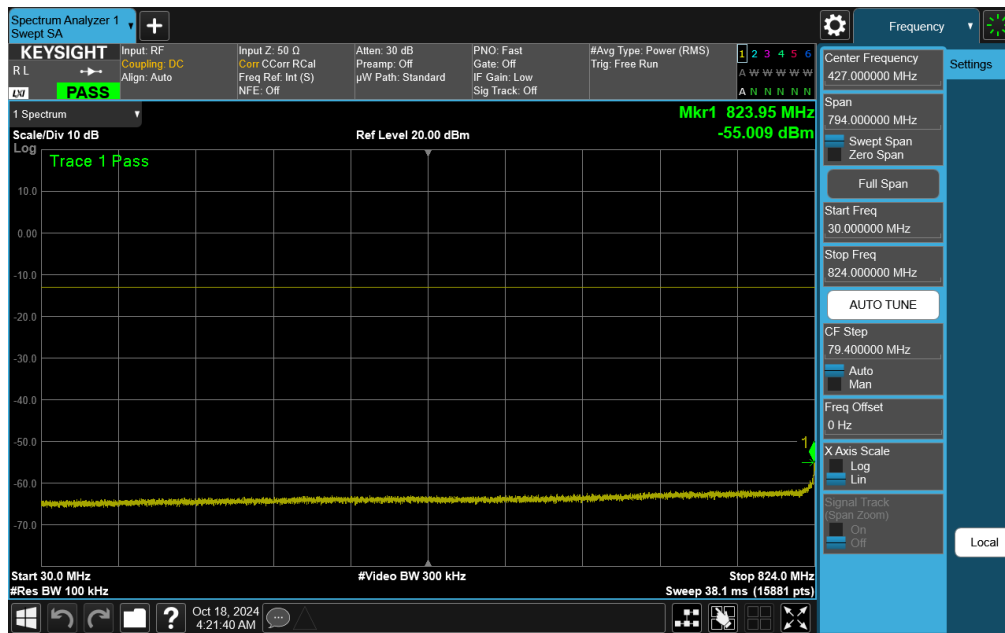
FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-71. Conducted Spurious Plot (WCDMA Ch. 4132)

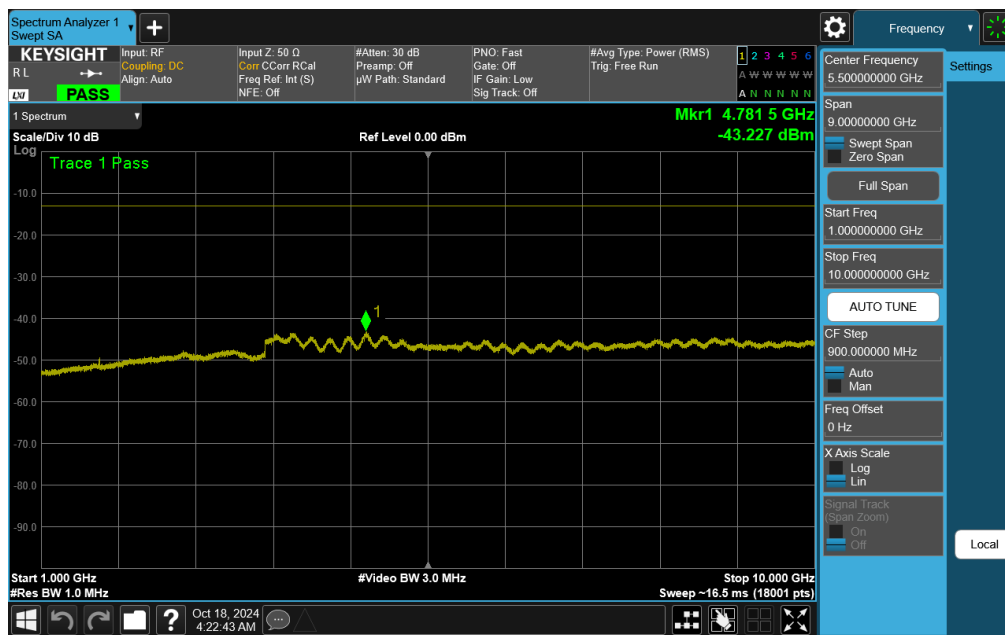
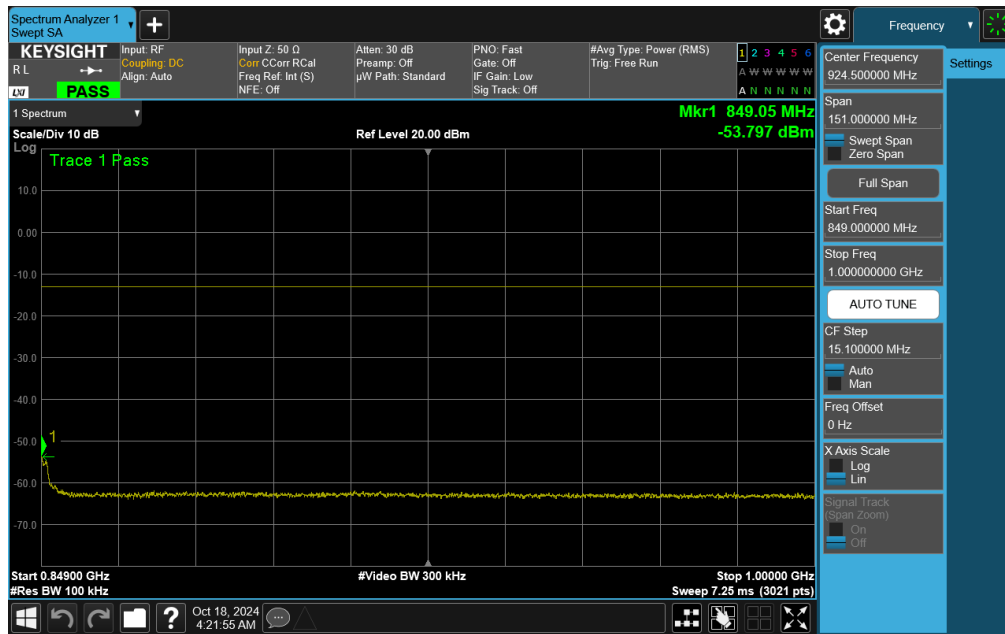


Plot 7-72. Conducted Spurious Plot (WCDMA Ch. 4183)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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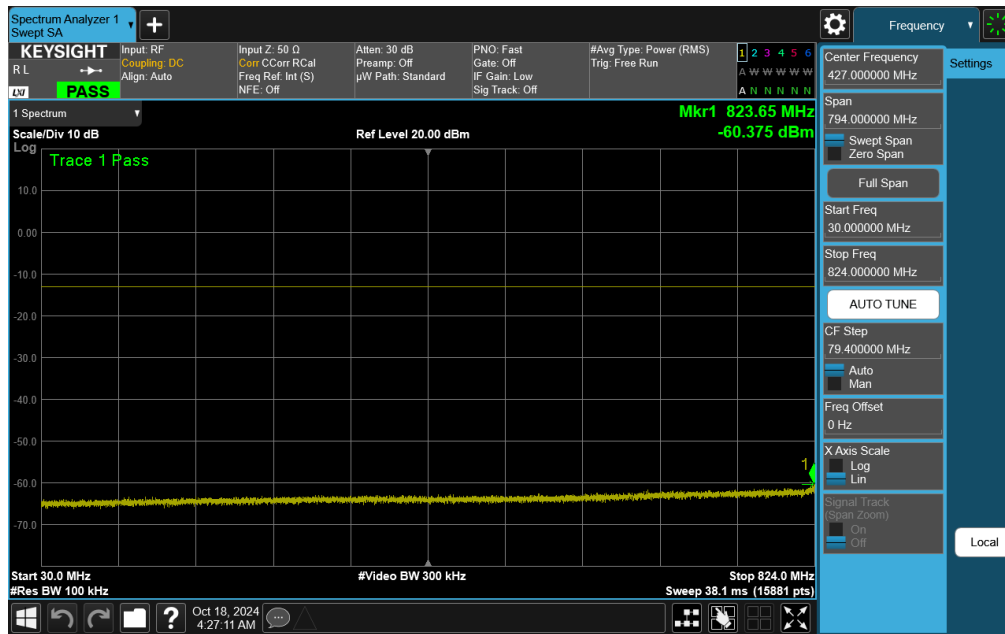
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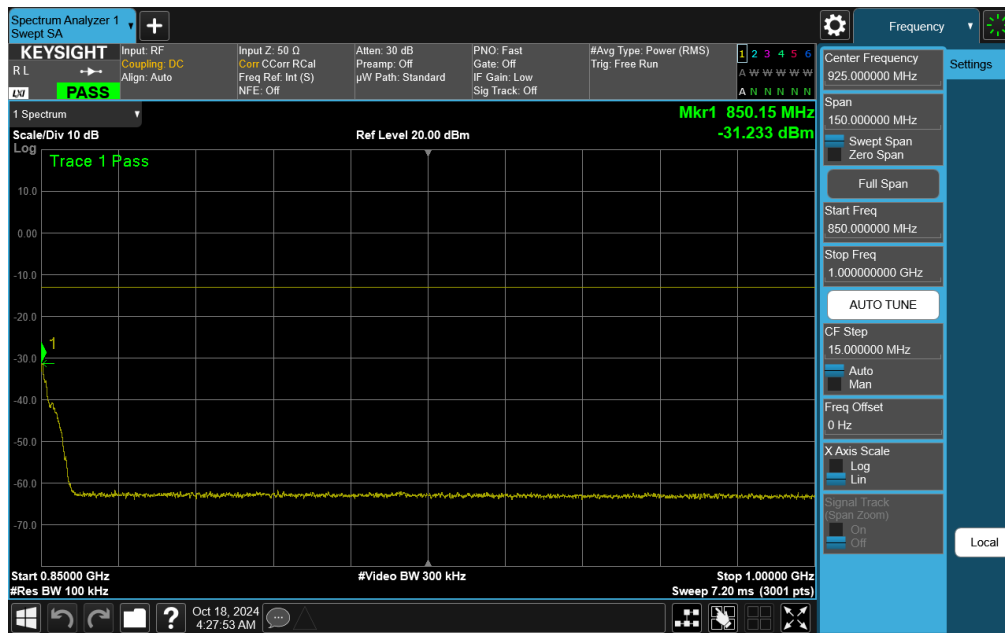
FCC ID: BCGA3355	element	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-07-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 55 of 112

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Plot 7-75. Conducted Spurious Plot (WCDMA Ch. 4233)

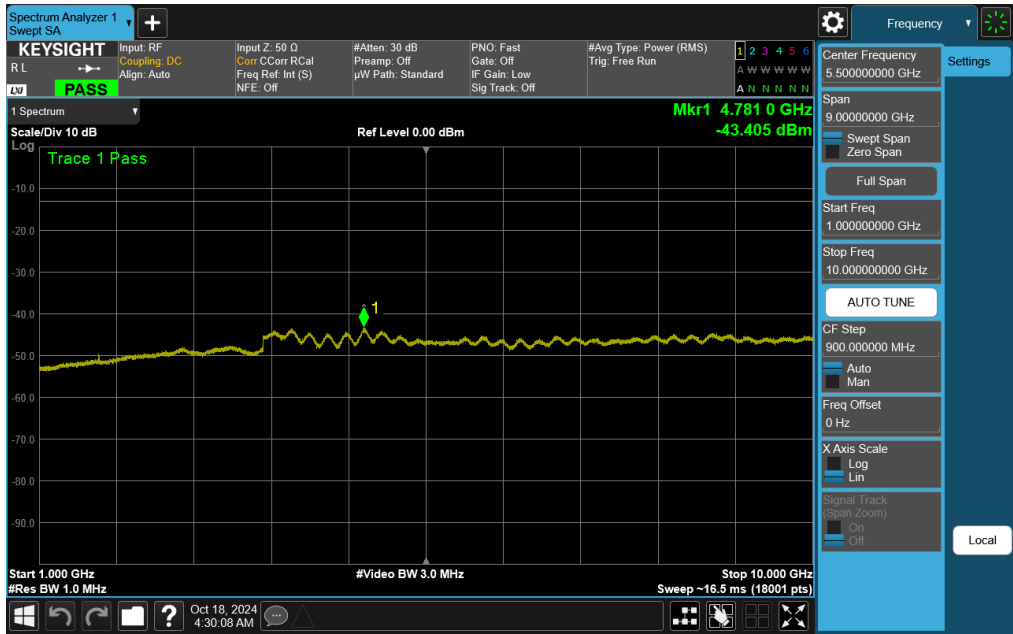


Plot 7-76. Conducted Spurious Plot (WCDMA Ch. 4233)

FCC ID: BCGA3355	element	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-77. Conducted Spurious Plot (WCDMA Ch. 4233)

FCC ID: BCGA3355	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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7.4 Band Edge Emissions at Antenna Terminal

§2.1051, 22.917(a)

Test Overview and limit

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates 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. All ports were tested and only the worst case data was reported.

The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{[Watts]})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. $RBW \geq 1\%$ of the emission bandwidth
4. $VBW \geq 3 \times RBW$
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span}/RBW$
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

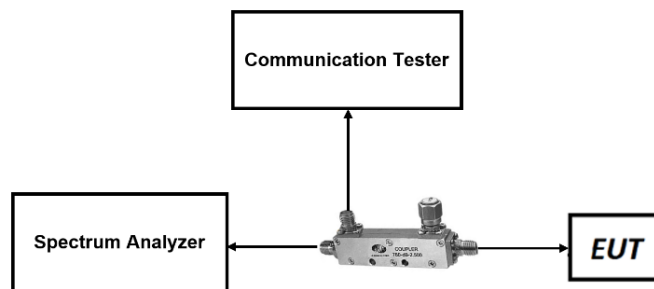


Figure 7-5. LTE Test Instrument & Measurement Setup

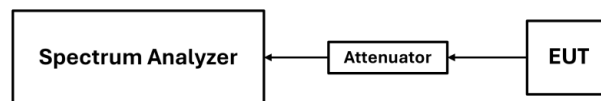




Figure 7-6. FR1 Test Instrument & Measurement Setup

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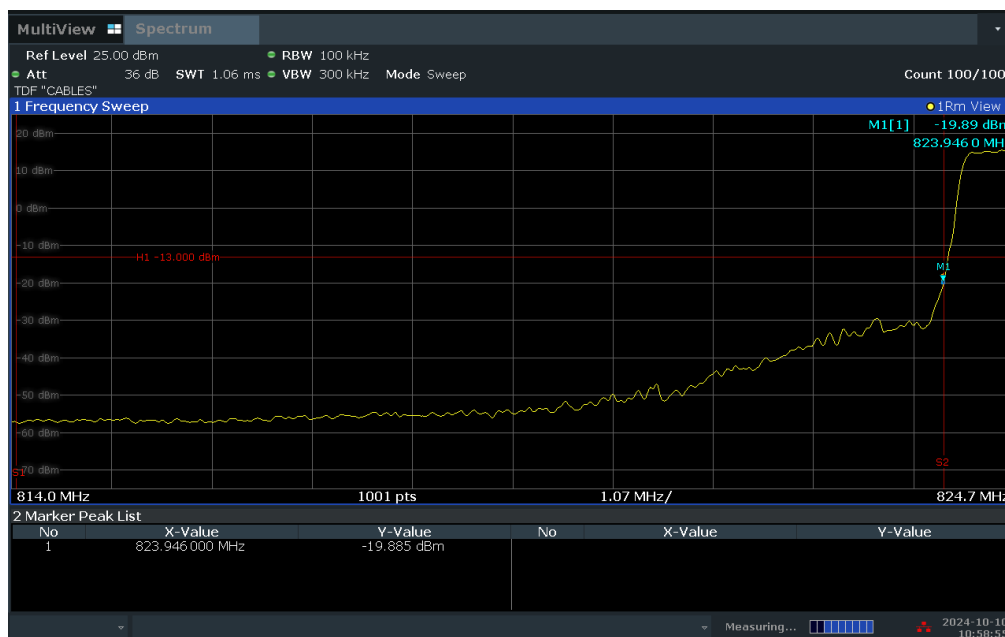
Test Notes

1. Per 22.917(b), in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to demonstrate compliance with the out-of-band emissions limit. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.
2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) 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.

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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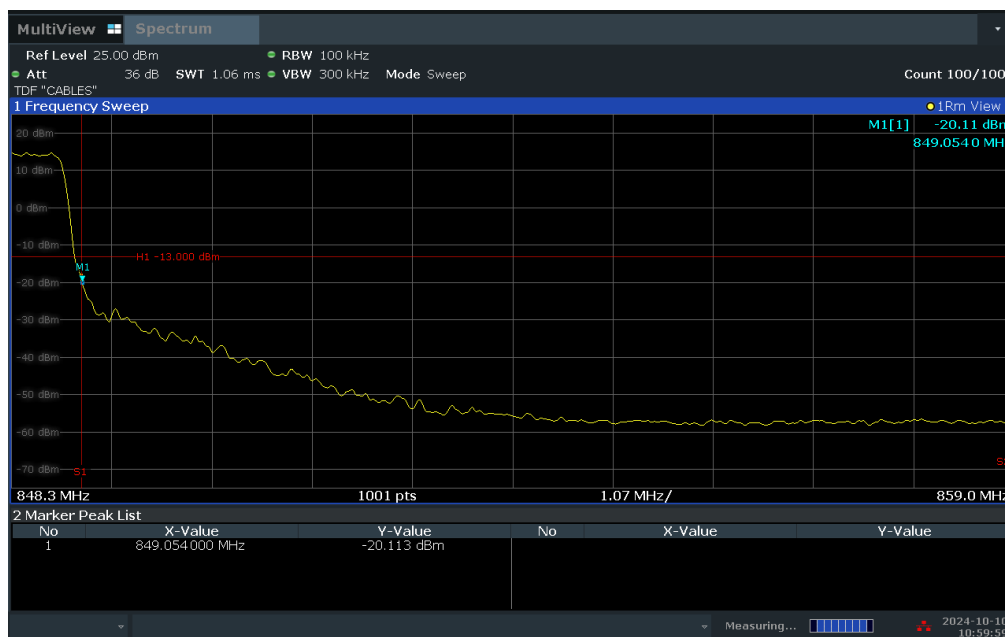
V2.2 08/24/2023

LTE Band 26




10:58:56 AM 10/10/2024

Plot 7-78. Lower BE Plot (LTE Band 26 – 1.4MHz QPSK – Full RB Cnfiguration)



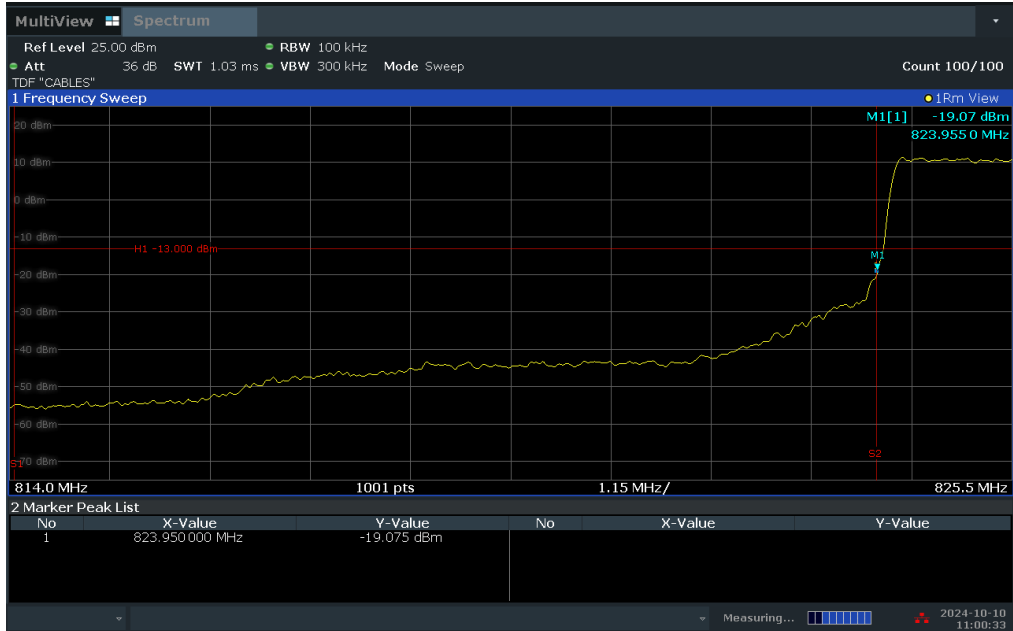
11:00:00 AM 10/10/2024

Plot 7-79. Upper BE Plot (LTE Band 26 – 1.4MHz QPSK – Full RB Configuration)

FCC ID: BCGA3355		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-07-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 60 of 112

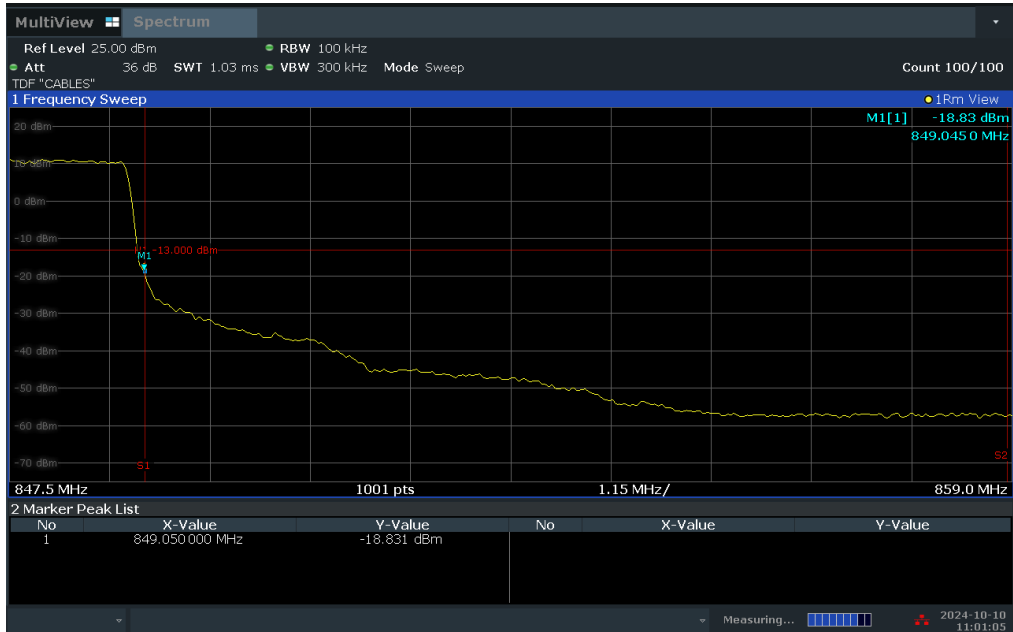
V2.2 08/24/2023

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11:00:33 AM 10/10/2024

Plot 7-80. Lower BE Plot (LTE Band 26 - 3MHz QPSK – Full RB Configuration)



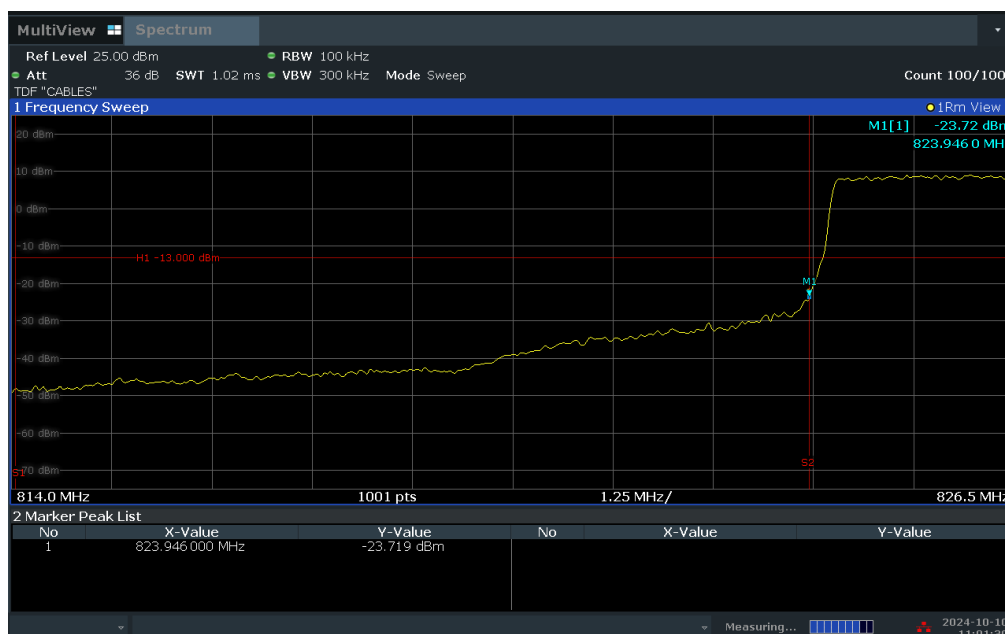
11:01:05 AM 10/10/2024

Plot 7-81. Upper BE Plot (LTE Band 26 - 3MHz QPSK – Full RB Configuration)

FCC ID: BCGA3355	element	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-07-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 61 of 112

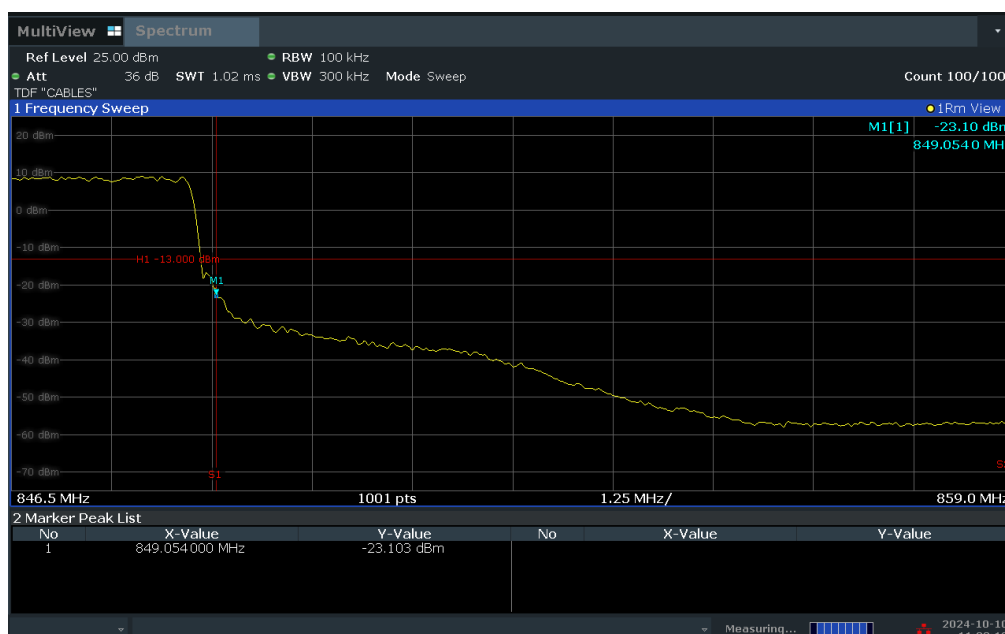
V2.2 08/24/2023

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11:01:39 AM 10/10/2024

Plot 7-82. Lower BE Plot (LTE Band 26 - 5MHz QPSK – Full RB Configuration)



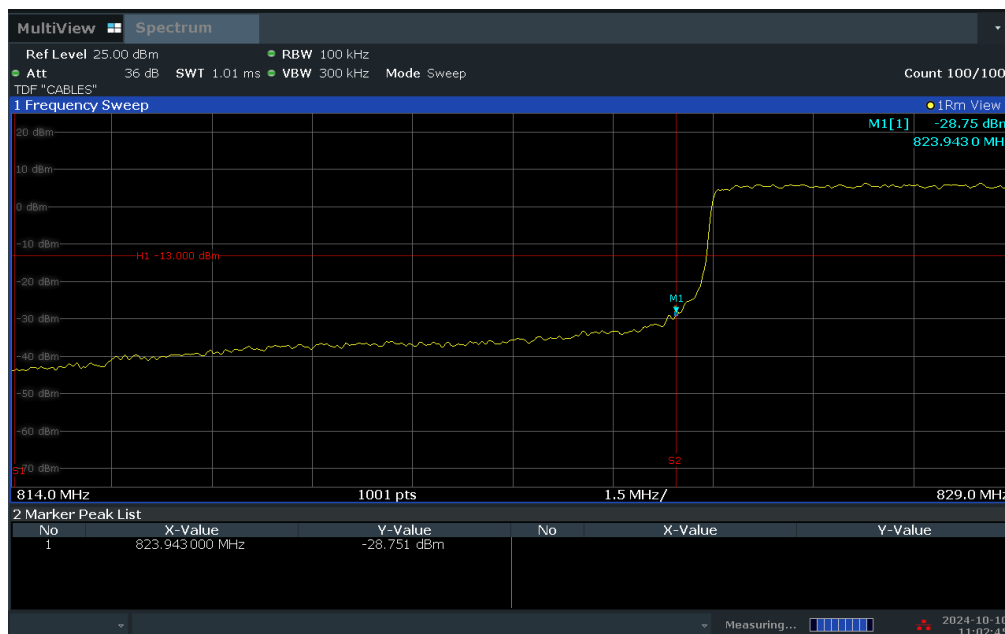
11:02:12 AM 10/10/2024

Plot 7-83. Upper BE Plot (LTE Band 26 - 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-07-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 62 of 112

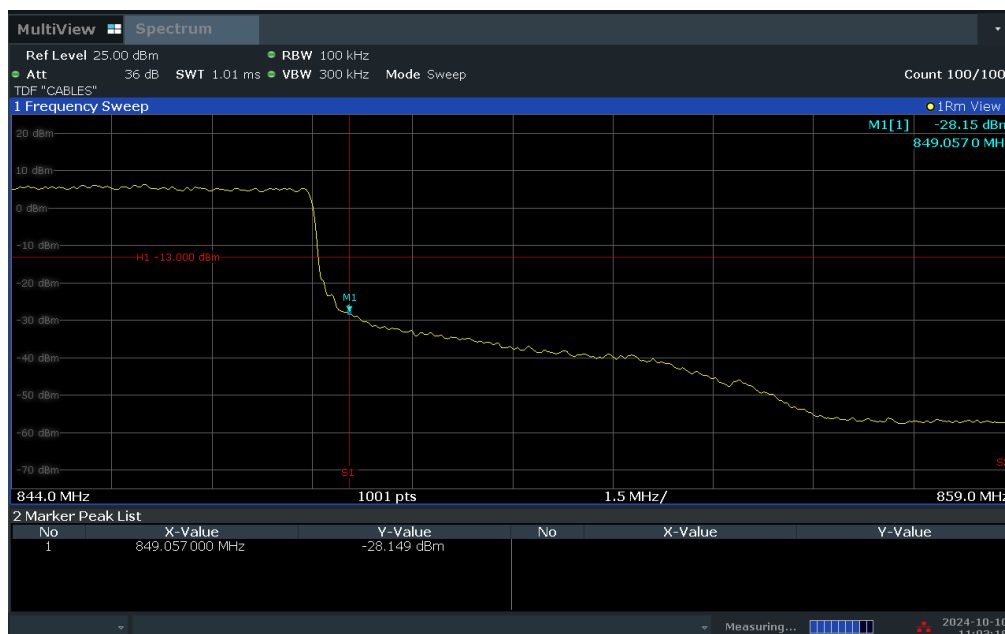
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11:02:46 AM 10/10/2024

Plot 7-84. Lower BE Plot (LTE Band 26 - 10MHz QPSK – Full RB Configuration)



11:03:18 AM 10/10/2024

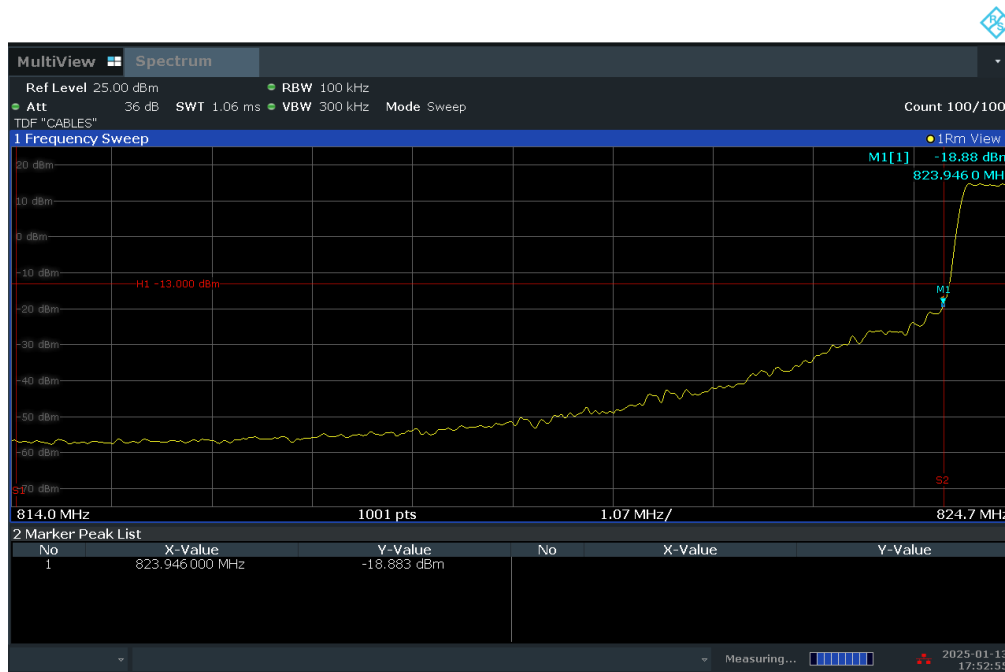
Plot 7-85. Upper BE Plot (LTE Band 26 - 10MHz QPSK – Full RB Configuration)

FCC ID: BCGA3355		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-07-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 63 of 112

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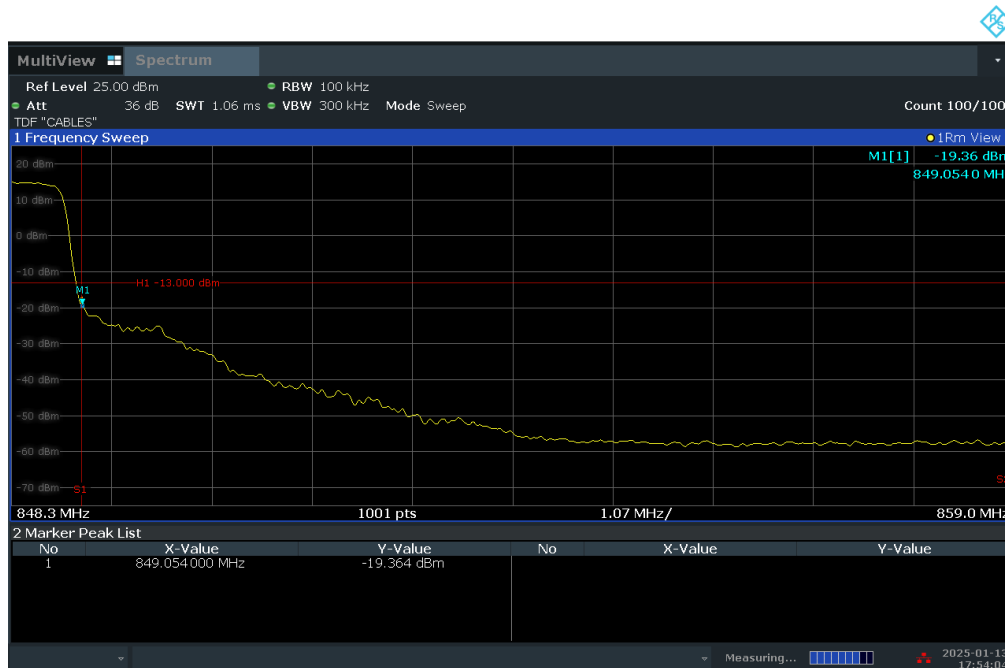
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LTE Band 5




05:52:56 PM 01/13/2025

Plot 7-86. Lower BE Plot (LTE Band 5 – 1.4MHz QPSK – Full RB Configuration)



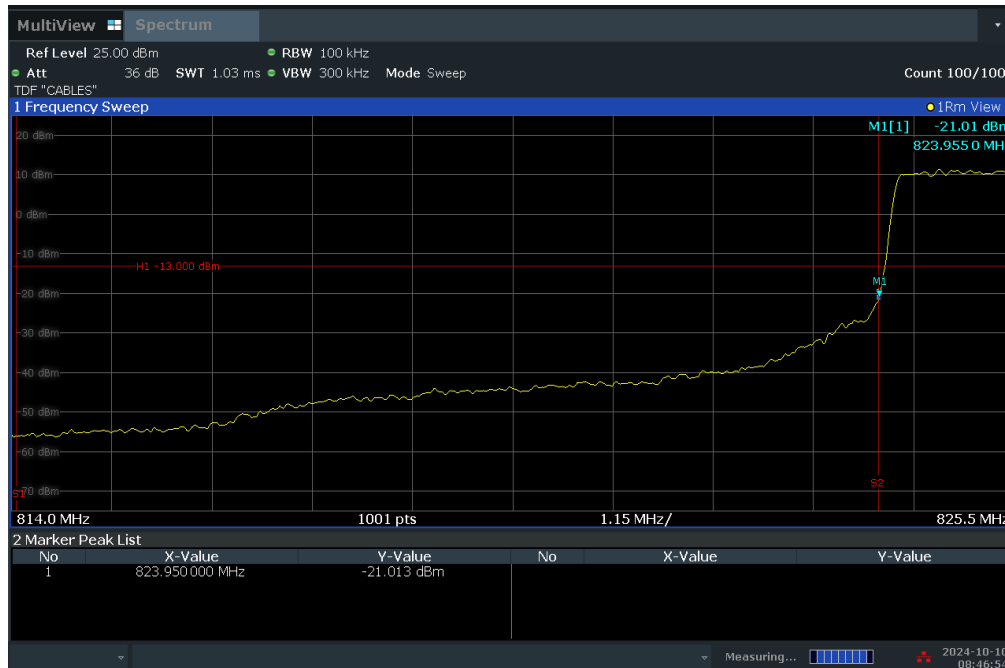
05:54:04 PM 01/13/2025

Plot 7-87. Upper BE Plot (LTE Band 5 – 1.4MHz QPSK – Full RB Configuration)

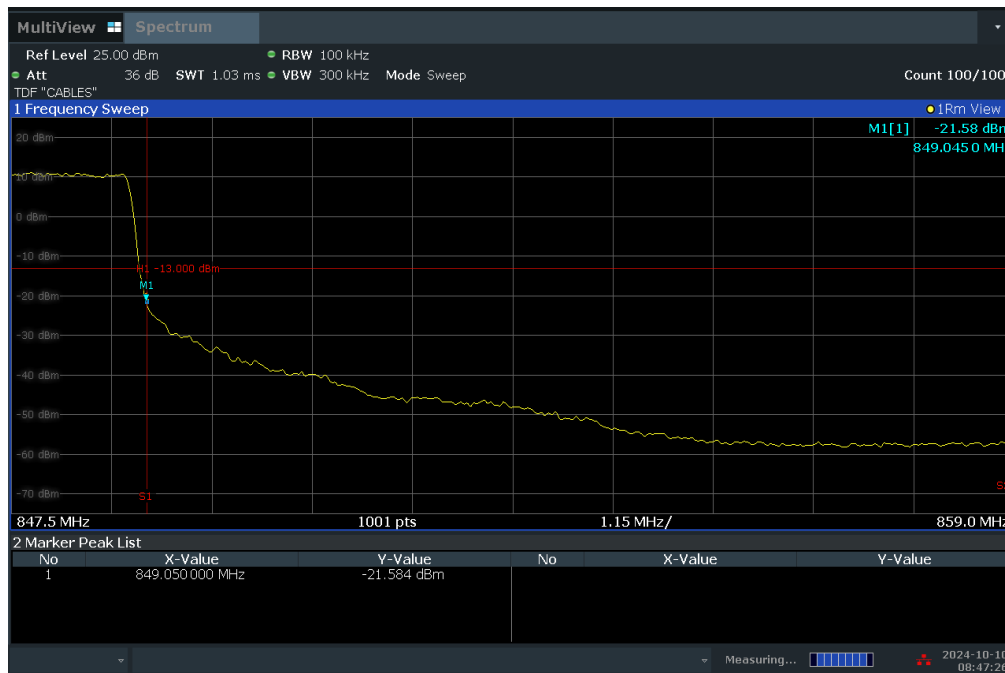
FCC ID: BCGA3355		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-07-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 64 of 112

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Plot 7-88. Lower BE Plot (LTE Band 5 - 3MHz QPSK – Full RB Configuration)

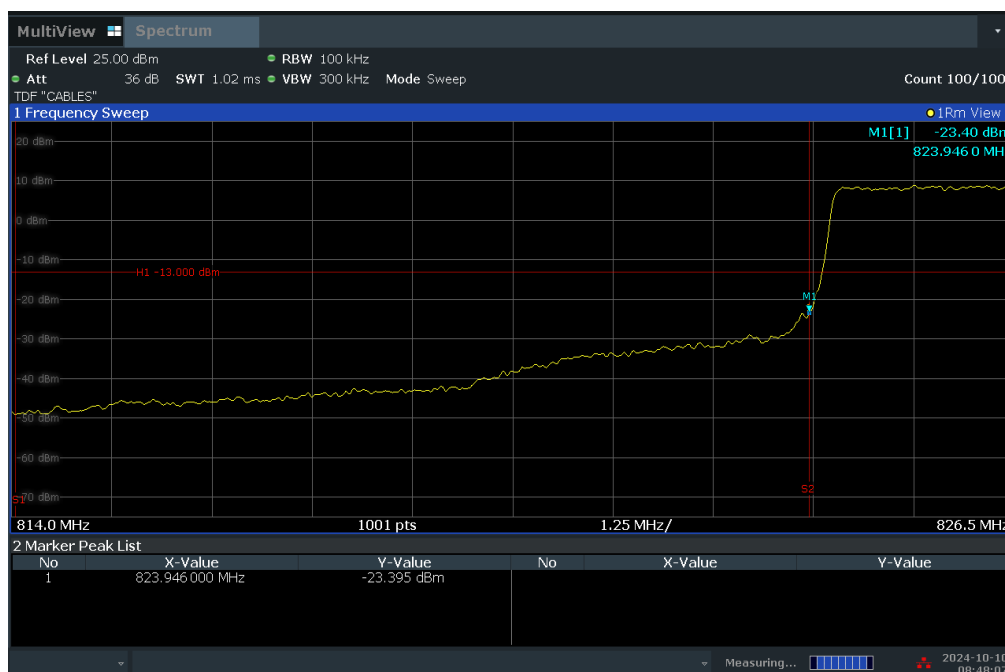


Plot 7-89. Upper BE Plot (LTE Band 5 - 3MHz QPSK – Full RB Configuration)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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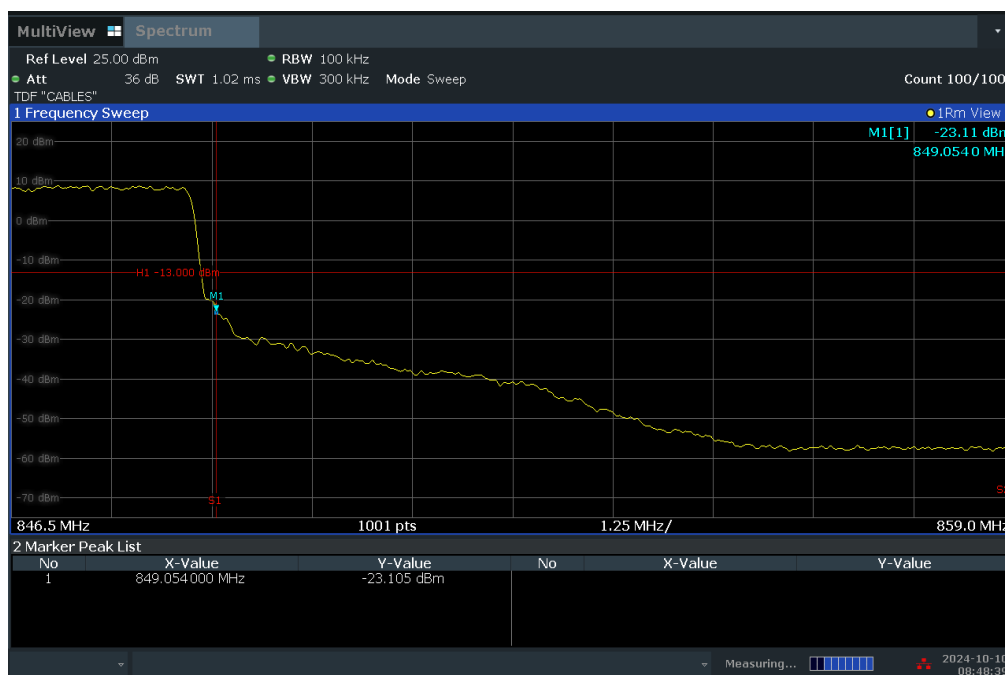
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08:48:07 AM 10/10/2024

Plot 7-90. Lower BE Plot (LTE Band 5 - 5MHz QPSK – Full RB Configuration)



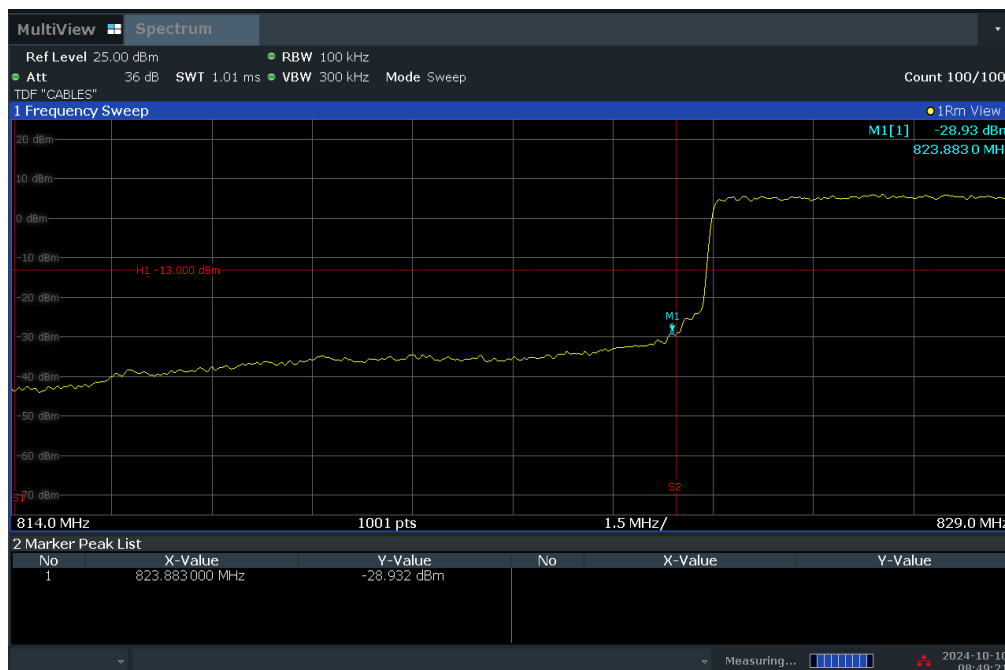
08:48:40 AM 10/10/2024

Plot 7-91. Upper BE Plot (LTE Band 5 - 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA3355		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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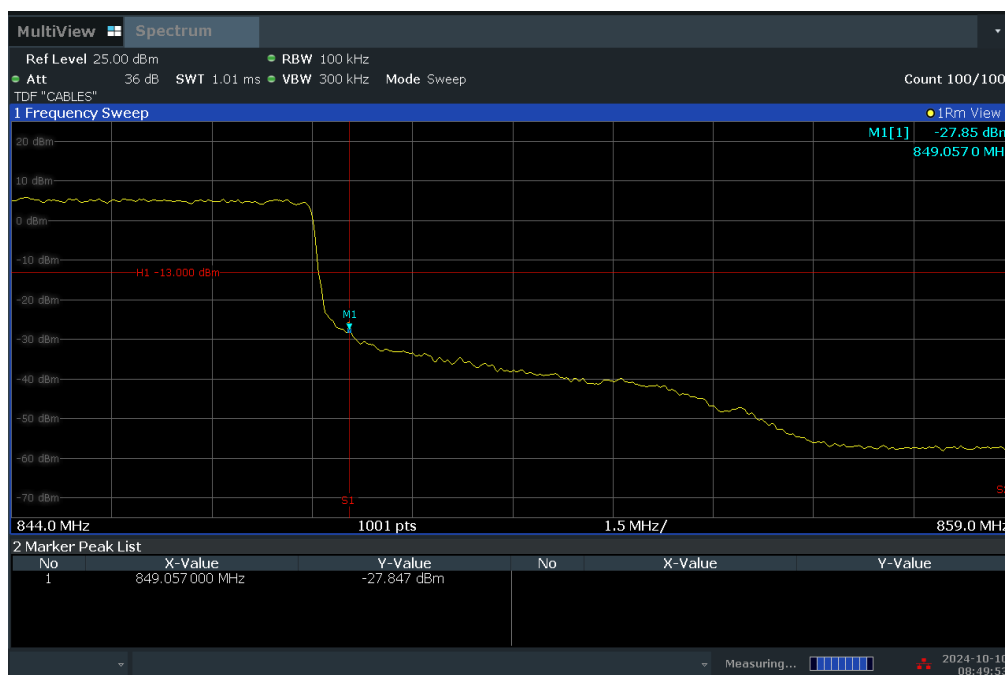
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08:49:21 AM 10/10/2024

Plot 7-92. Lower BE Plot (LTE Band 5 - 10MHz QPSK – Full RB Configuration)



08:49:54 AM 10/10/2024

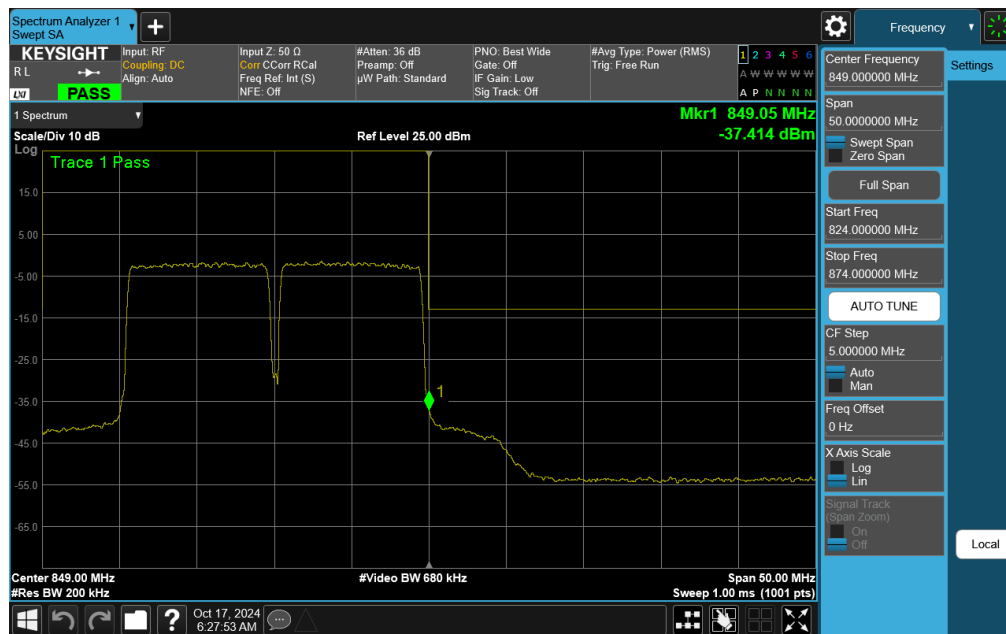
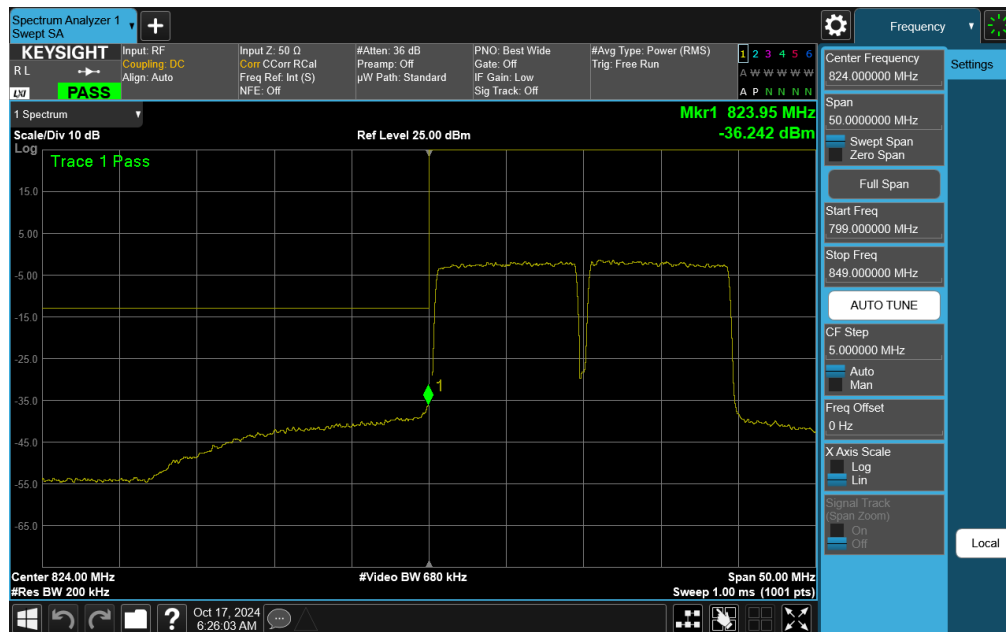
Plot 7-93. Upper BE Plot (LTE Band 5 - 10MHz QPSK – Full RB Configuration)


FCC ID: BCGA3355		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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ULCA - LTE Band 5

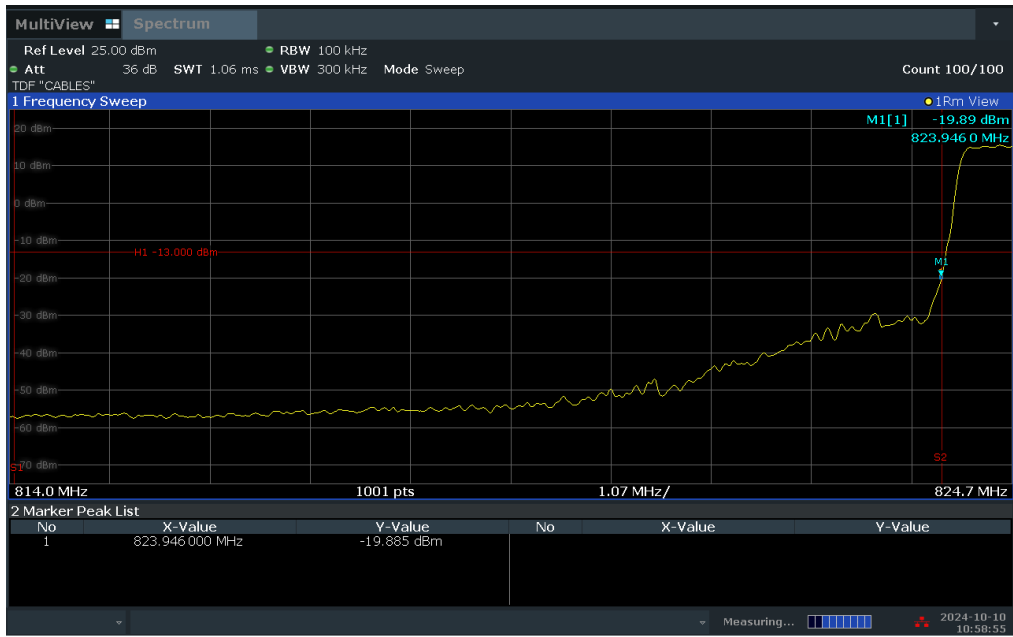


FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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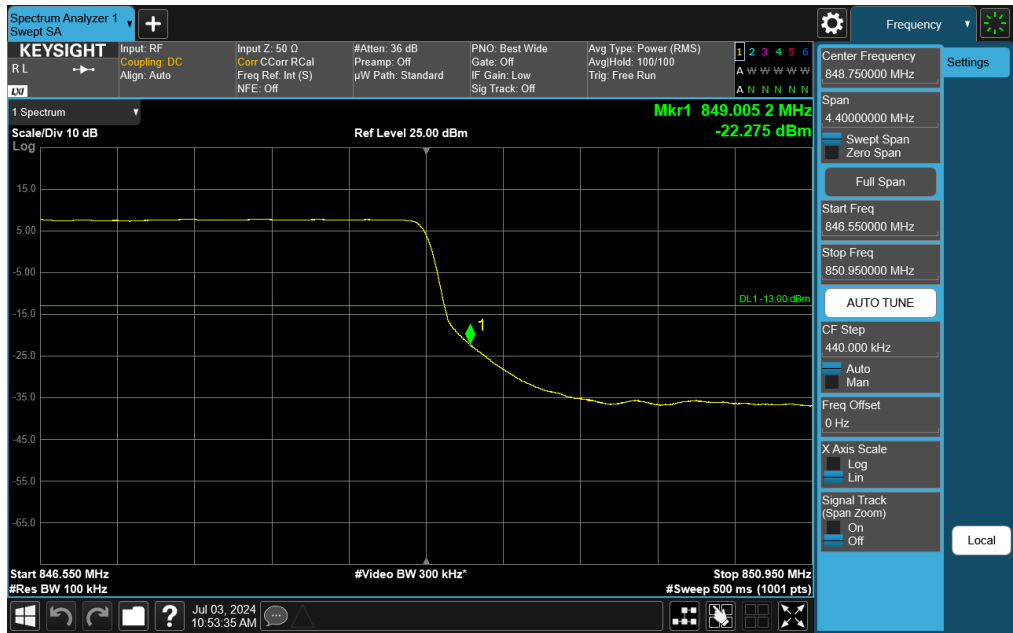
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NR Band n26



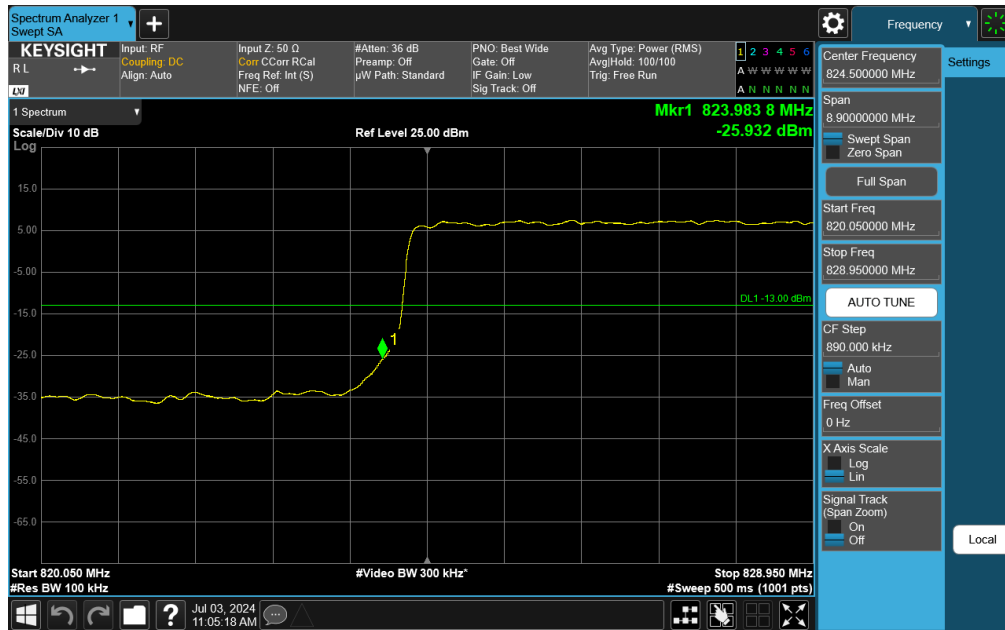
10:58:56 AM 10/10/2024

Plot 7-96. Lower BE Plot (NR Band n26 DFT-s-OFDM $\pi/2$ BPSK – 5.0MHz - Full RB)

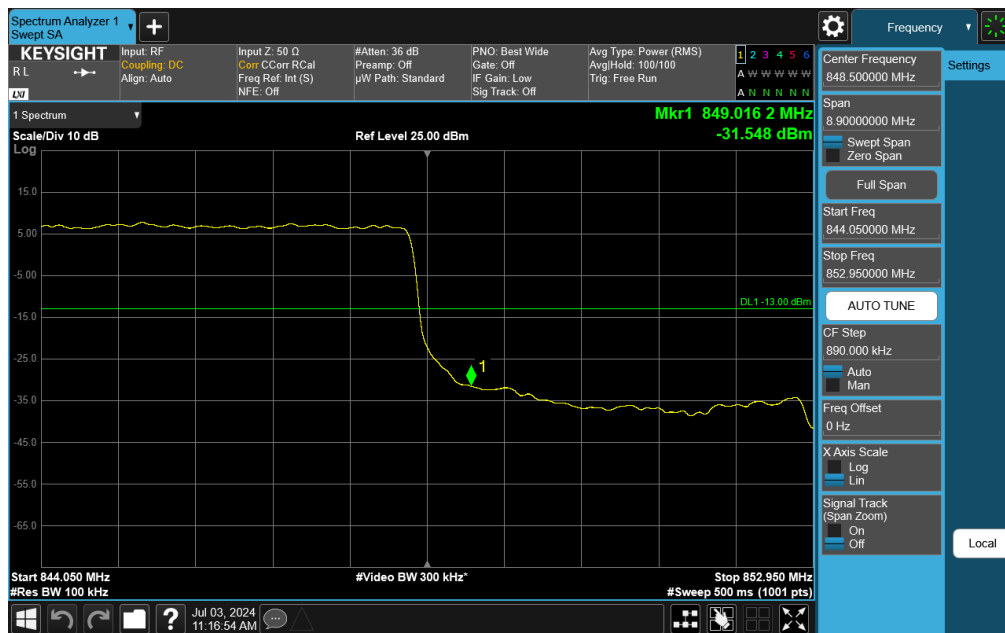


Plot 7-97. Upper BE Plot (NR Band n26 CP-OFDM QPSK – 5.0MHz - Full RB)

FCC ID: BCGA3355	element	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-98. Lower BE Plot (NR Band n26 DFT-s-OFDM QPSK – 10.0MHz - Full RB)

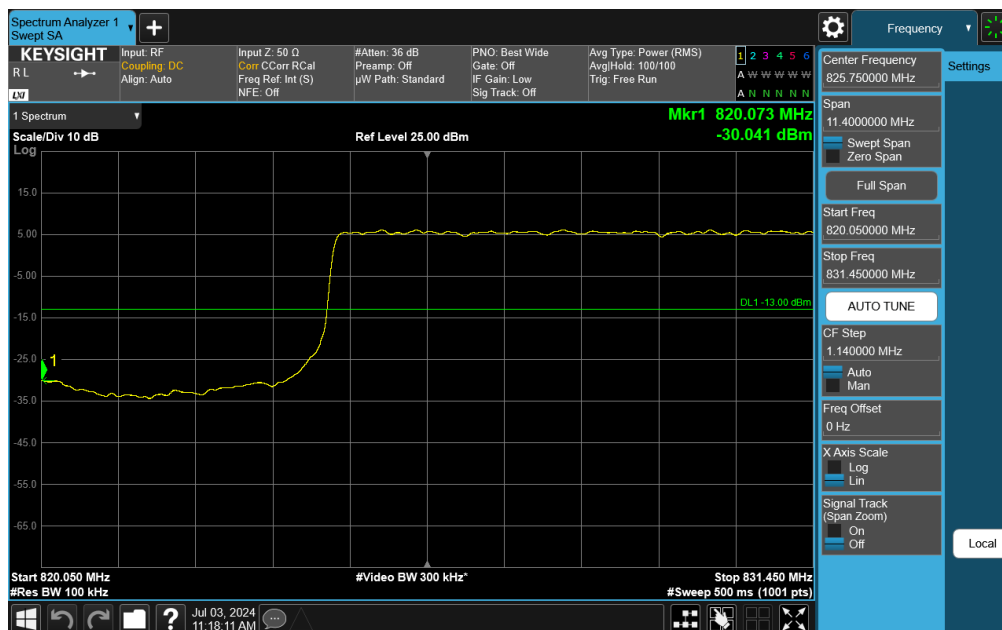


Plot 7-99. Upper BE Plot (NR Band n26 DFT-s-OFDM $\pi/2$ BPSK – 10.0MHz - Full RB)

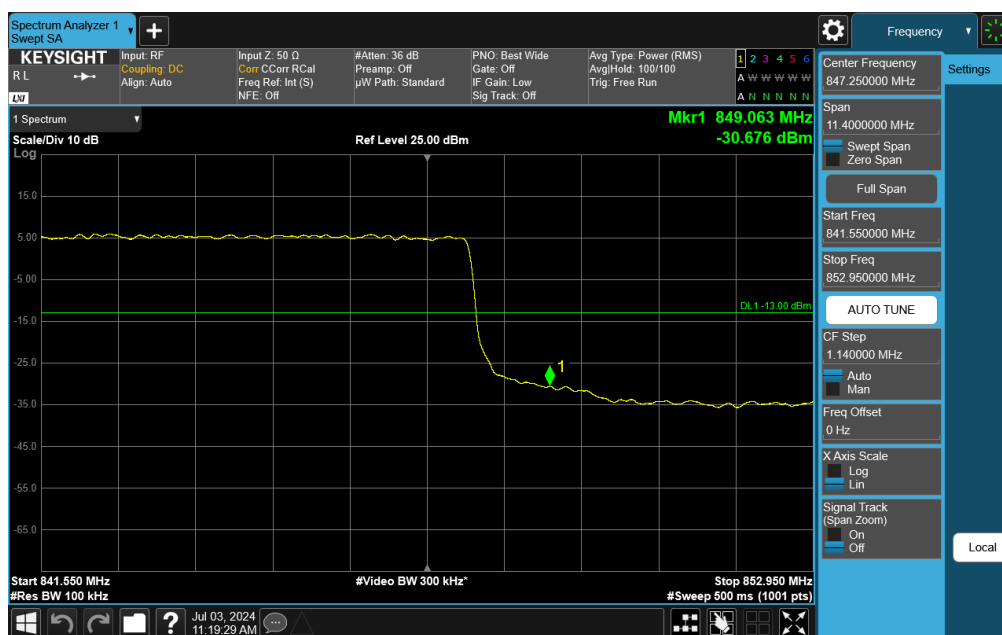
FCC ID: BCGA3355	element	PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-100. Lower BE Plot (NR Band n26 DFT-s-OFDM $\pi/2$ BPSK – 15.0MHz - Full RB)

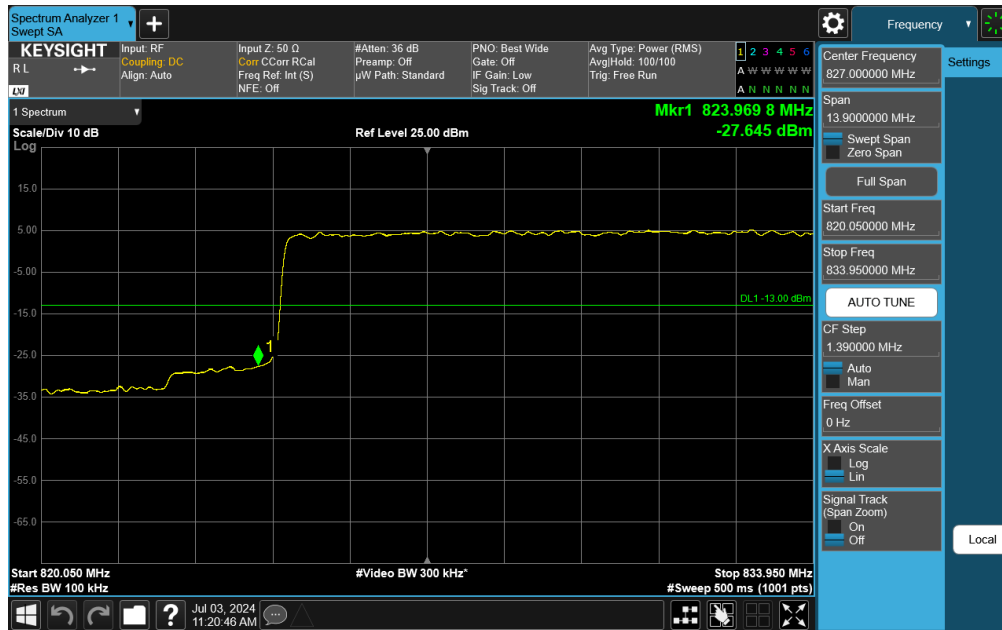


Plot 7-101. Upper BE Plot (NR Band n26 DFT-s-OFDM $\pi/2$ BPSK – 15.0MHz - Full RB)

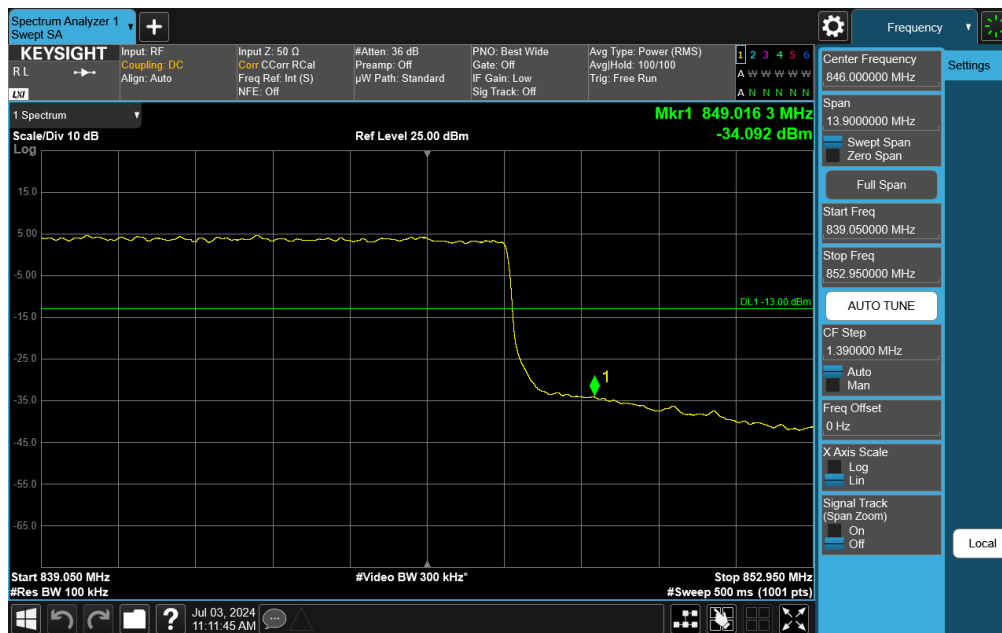
FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-07-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device
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Plot 7-102. Lower BE Plot (NR Band n26 DFT-s-OFDM $\pi/2$ BPSK – 20.0MHz - Full RB)



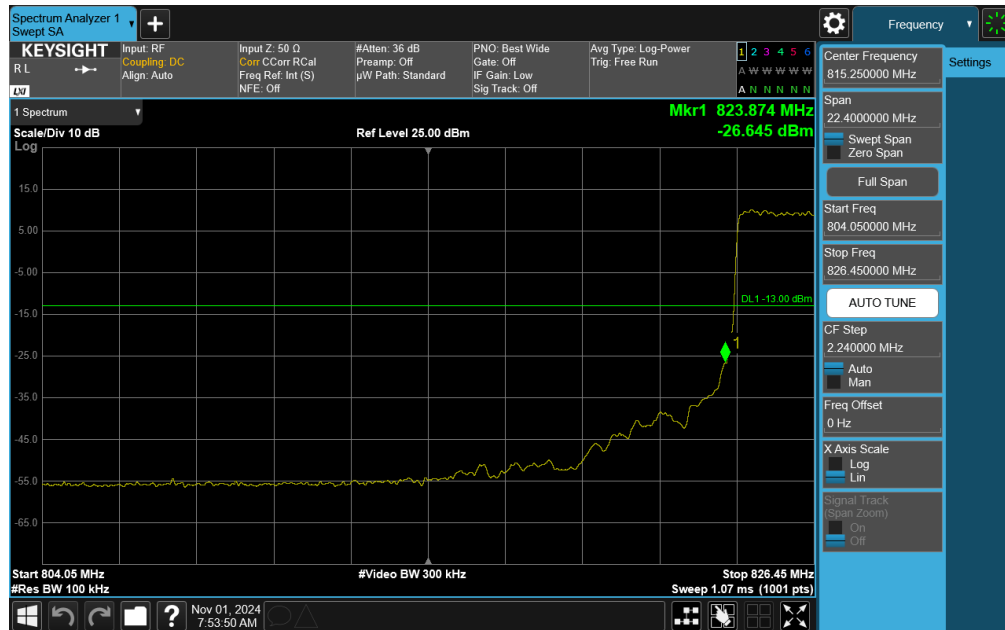
Plot 7-103. Upper BE Plot (NR Band n26 DFT-s- OFDM QPSK – 20.0MHz - Full RB)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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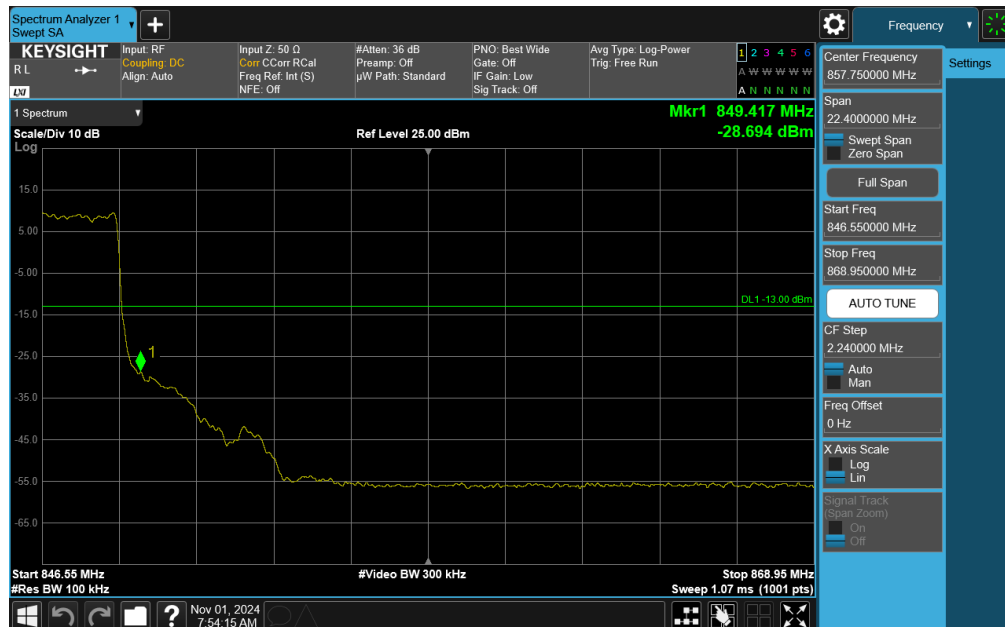
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NR Band n5



Plot 7-104. Lower BE Plot (NR Band n5 DFT-s-OFDM $\pi/2$ BPSK – 5.0MHz - Full RB)

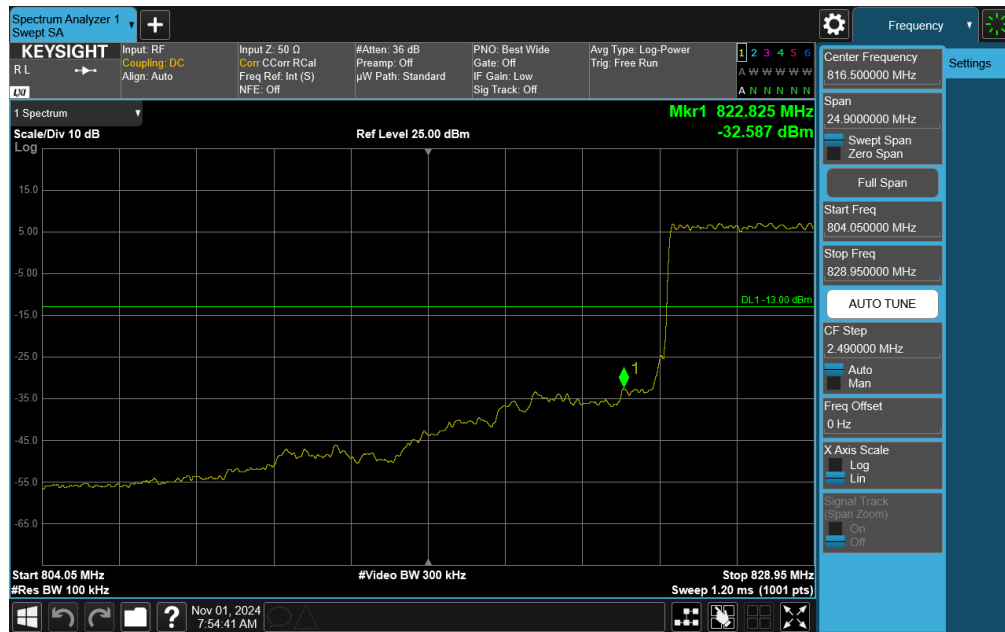


Plot 7-105. Upper BE Plot (NR Band n5 DFT-s-OFDM $\pi/2$ BPSK – 5.0MHz - Full RB)

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Plot 7-106. Lower BE Plot (NR Band n5 DFT-s-OFDM $\pi/2$ BPSK – 10.0MHz - Full RB)

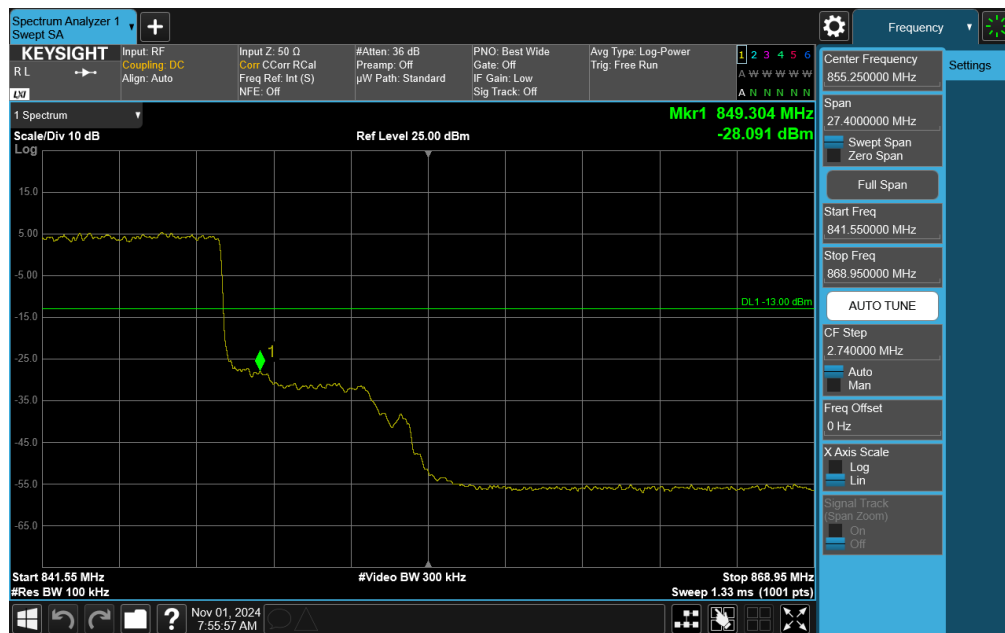
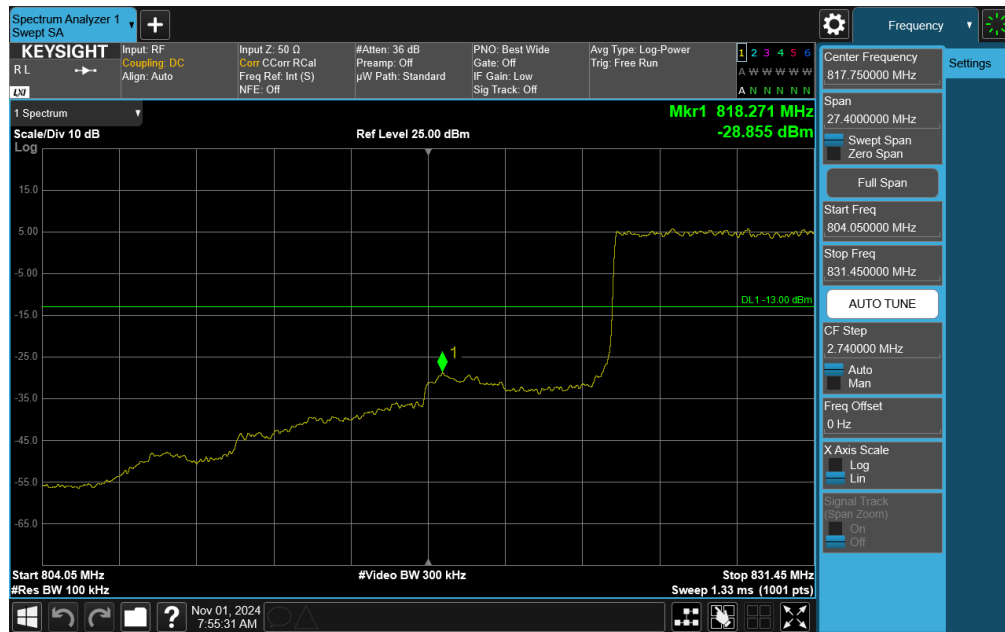



Plot 7-107. Upper BE Plot (NR Band n5 DFT-s-OFDM $\pi/2$ BPSK – 10.0MHz - Full RB)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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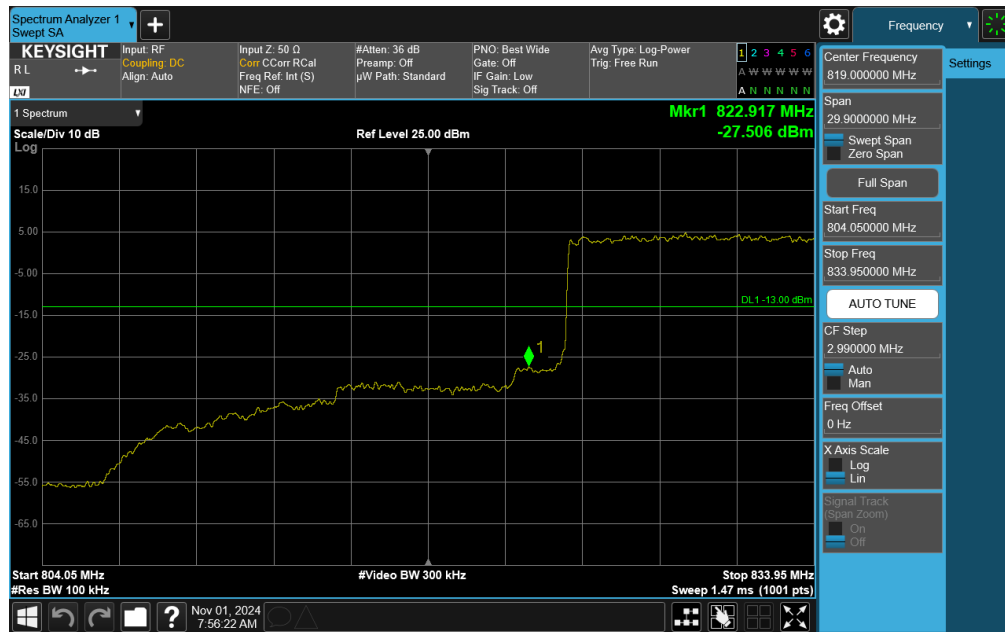
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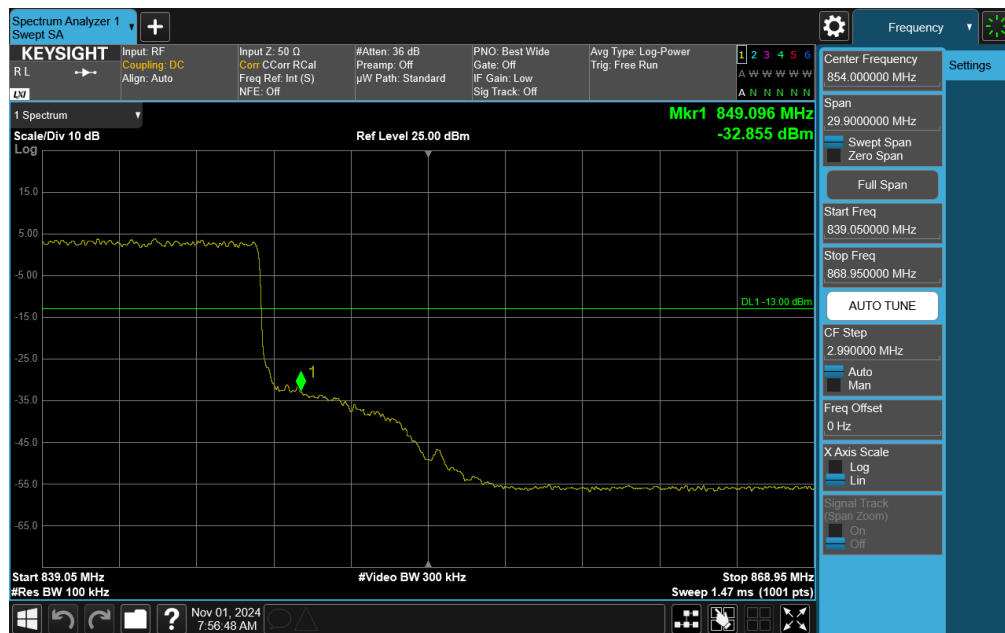
FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-110. Lower BE Plot (NR Band n5 DFT-s-OFDM $\pi/2$ BPSK – 20.0MHz - Full RB)



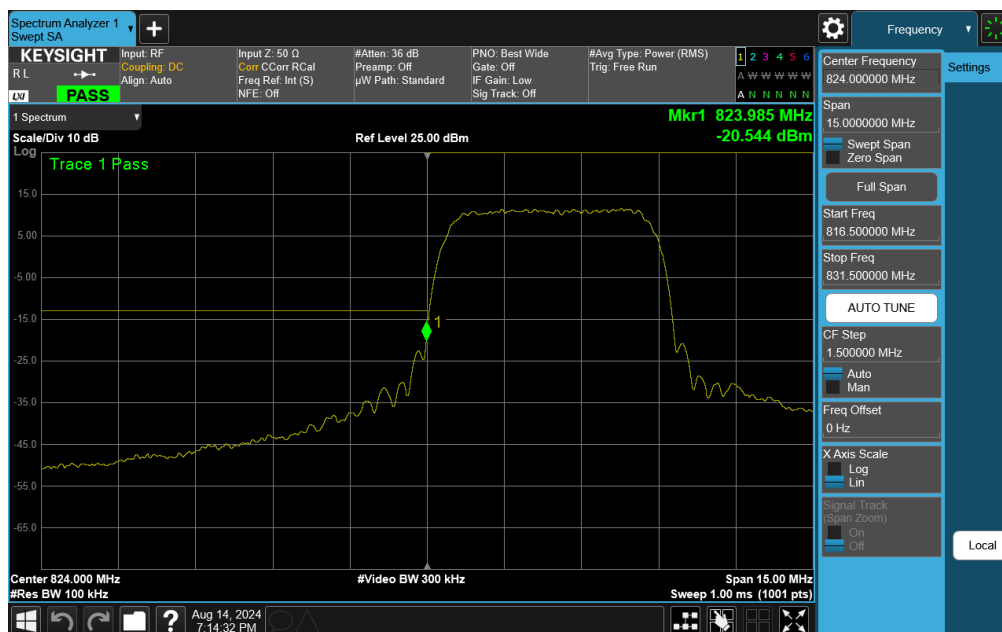
Plot 7-111. Upper BE Plot (NR Band n5 DFT-s-OFDM $\pi/2$ BPSK – 20.0MHz - Full RB)

FCC ID: BCGA3355		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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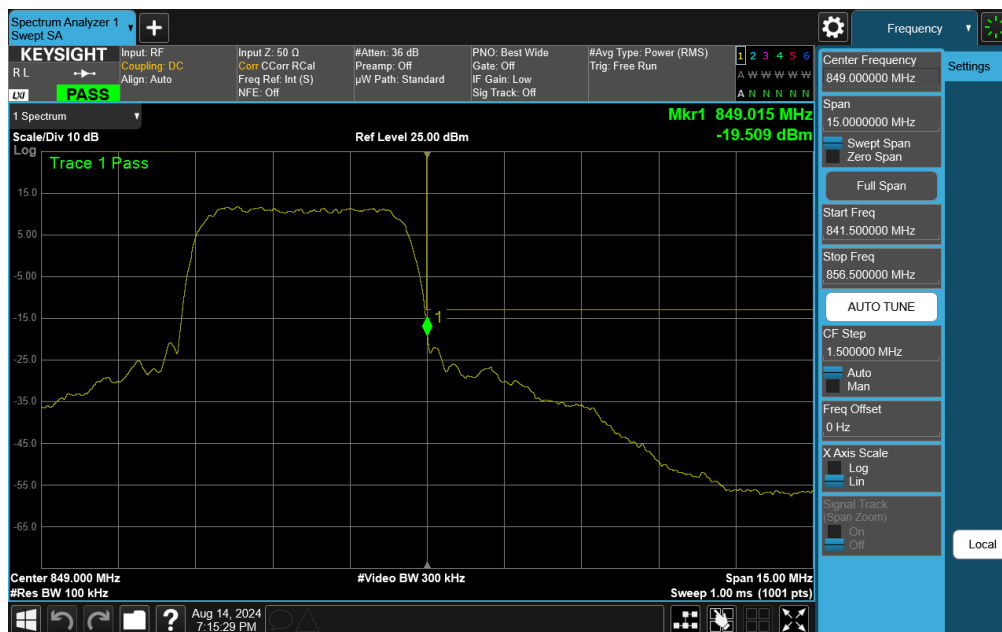
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WCDMA Cell



Plot 7-112. Lower BE Plot (WCDMA Cell – Ch. 4132)



Plot 7-113. Upper BE Plot (WCDMA Cell – Ch. 4233)

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7.5 Radiated Power (ERP)

§22.913(a)(5)

Test Overview

Effective Radiated Power (ERP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

ANSI C63.26-2015 – Section 5.2.5.5

Test Settings

The relevant equation for determining the ERP or EIRP from the conducted RF output power measured is:

$$ERP = P_{Meas} - LC + GT$$

Where:

ERP = Effective Radiated Power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm)

P_{Meas} = measured transmitter output power or PSD, in dBW or dBm

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

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

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

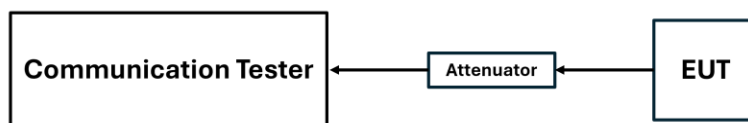


Figure 7-7. LTE Test Instrument & Measurement Setup

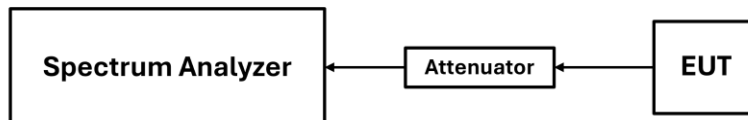




Figure 7-8. FR1 Test Instrument & Measurement Setup

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Test Notes:

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
2. This unit was tested with its standard battery.
3. The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
4. Uplink carrier aggregation for LTE B5 is only supported in this EUT while operating in Power Class 3.
5. Conducted power measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
6. The Ant. Gains (GT) are listed in dBi.

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7.5.1 Antenna 4 – ERP

LTE Band 26

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	824.7	-2.00	1 / 0	25.49	21.34	0.136	38.45	-17.11
		836.5	-2.00	1 / 0	25.54	21.39	0.138	38.45	-17.06
		848.3	-2.00	1 / 0	25.70	21.55	0.143	38.45	-16.90
	16-QAM	836.5	-2.00	1 / 5	24.81	20.66	0.116	38.45	-17.79
	64-QAM	824.7	-2.00	1 / 0	23.74	19.59	0.091	38.45	-18.86
	256-QAM	848.3	-2.00	1 / 3	20.78	16.63	0.046	38.45	-21.82
3 MHz	QPSK	825.5	-2.00	1 / 0	25.47	21.32	0.136	38.45	-17.13
		836.5	-2.00	1 / 0	25.48	21.33	0.136	38.45	-17.12
		847.5	-2.00	1 / 0	25.48	21.33	0.136	38.45	-17.12
	16-QAM	836.5	-2.00	1 / 0	24.84	20.69	0.117	38.45	-17.76
	64-QAM	847.5	-2.00	1 / 0	23.93	19.78	0.095	38.45	-18.67
	256-QAM	847.5	-2.00	1 / 14	20.76	16.61	0.046	38.45	-21.84
5 MHz	QPSK	826.5	-2.00	1 / 0	25.70	21.55	0.143	38.45	-16.90
		836.5	-2.00	1 / 12	25.50	21.35	0.136	38.45	-17.10
		846.5	-2.00	1 / 0	25.69	21.54	0.143	38.45	-16.91
	16-QAM	846.5	-2.00	1 / 0	24.98	20.83	0.121	38.45	-17.62
	64-QAM	846.5	-2.00	1 / 0	23.90	19.75	0.094	38.45	-18.70
	256-QAM	846.5	-2.00	1 / 0	20.88	16.73	0.047	38.45	-21.72
10 MHz	QPSK	829.0	-2.00	1 / 49	25.57	21.42	0.139	38.45	-17.03
		836.5	-2.00	1 / 25	25.54	21.39	0.138	38.45	-17.06
		844.0	-2.00	1 / 0	25.56	21.41	0.138	38.45	-17.04
	16-QAM	844.0	-2.00	1 / 25	24.90	20.75	0.119	38.45	-17.70
	64-QAM	836.5	-2.00	1 / 0	23.82	19.67	0.093	38.45	-18.78
	256-QAM	836.5	-2.00	1 / 0	20.76	16.61	0.046	38.45	-21.84

Table 7-2. Antenna 4 ERP Data (LTE Band 26)

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LTE Band 5

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	824.7	-2.00	1 / 5	25.29	21.14	0.130	38.45	-17.31
		836.5	-2.00	1 / 5	25.66	21.51	0.142	38.45	-16.94
		848.3	-2.00	1 / 0	25.70	21.55	0.143	38.45	-16.90
	16-QAM	836.5	-2.00	1 / 3	24.71	20.56	0.114	38.45	-17.89
	64-QAM	836.5	-2.00	1 / 5	23.65	19.50	0.089	38.45	-18.95
	256-QAM	848.3	-2.00	1 / 0	20.75	16.60	0.046	38.45	-21.85
3 MHz	QPSK	825.5	-2.00	1 / 7	25.67	21.52	0.142	38.45	-16.93
		836.5	-2.00	1 / 14	25.70	21.55	0.143	38.45	-16.90
		847.5	-2.00	1 / 7	25.69	21.54	0.143	38.45	-16.91
	16-QAM	825.5	-2.00	1 / 7	24.57	20.42	0.110	38.45	-18.03
	64-QAM	825.5	-2.00	1 / 0	23.66	19.51	0.089	38.45	-18.94
	256-QAM	825.5	-2.00	1 / 14	20.81	16.66	0.046	38.45	-21.79
5 MHz	QPSK	826.5	-2.00	1 / 12	25.69	21.54	0.143	38.45	-16.91
		836.5	-2.00	1 / 24	25.70	21.55	0.143	38.45	-16.90
		846.5	-2.00	1 / 0	25.54	21.39	0.138	38.45	-17.06
	16-QAM	826.5	-2.00	1 / 24	24.73	20.58	0.114	38.45	-17.87
	64-QAM	826.5	-2.00	1 / 0	23.55	19.40	0.087	38.45	-19.05
	256-QAM	846.5	-2.00	1 / 24	20.80	16.65	0.046	38.45	-21.80
10 MHz	QPSK	829.0	-2.00	1 / 49	25.55	21.40	0.138	38.45	-17.05
		836.5	-2.00	1 / 49	25.46	21.31	0.135	38.45	-17.14
		844.0	-2.00	1 / 25	25.70	21.55	0.143	38.45	-16.90
	16-QAM	844.0	-2.00	1 / 25	24.72	20.57	0.114	38.45	-17.88
	64-QAM	836.5	-2.00	1 / 49	23.72	19.57	0.091	38.45	-18.88
	256-QAM	844.0	-2.00	1 / 49	20.81	16.66	0.046	38.45	-21.79

Table 7-3. Antenna 4 ERP Data (LTE Band 5)

FCC ID: BCGA3355		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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ULCA - LTE Band 5

Power State	Band	Bandwidth (PCC + SCC)	PCC				SCC				ULCA Tx. Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	ERP Limit [dBm]	Margin [dB]		
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency											UL # RB	UL RB Offset
Max	LTE B5	10MHz + 10MHz	QPSK	20450	829.0	1	49	QPSK	20549	838.9	1	0	25.60	-2.00	21.45	0.140	38.45	-17.00	23.60	0.229	40.61	-17.01
				20475	831.5	1	49		20574	841.4	1	0	25.61	-2.00	21.46	0.140	38.45	-16.99	23.61	0.230	40.61	-17.00
				20600	844.0	1	0		20501	834.1	1	49	25.70	-2.00	21.55	0.143	38.45	-16.90	23.70	0.234	40.61	-16.91
				20600	844	50	0		QPSK	20501	834.1	50	0	23.85	-2.00	19.70	0.093	38.45	-18.75	21.85	0.153	40.61
			16-QAM	20600	844	50	0	16-QAM	20501	834.1	50	0	23.37	-2.00	19.22	0.084	38.45	-19.23	21.37	0.137	40.61	-19.24
			64-QAM	20600	844	50	0	64-QAM	20501	834.1	50	0	22.87	-2.00	18.72	0.074	38.45	-19.73	20.87	0.122	40.61	-19.74
			256-QAM	20600	844	50	0	256-QAM	20501	834.1	50	0	22.36	-2.00	18.21	0.066	38.45	-20.24	20.36	0.109	40.61	-20.25

Table 7-4. Antenna 4 ERP Data (ULCA LTE Band 5)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n26

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	826.5	-2.00	1 / 1	25.67	21.52	0.142	38.45	-16.93
		836.5	-2.00	1 / 1	25.70	21.55	0.143	38.45	-16.90
		846.5	-2.00	1 / 23	25.58	21.43	0.139	38.45	-17.02
	QPSK	826.5	-2.00	1 / 1	25.67	21.52	0.142	38.45	-16.93
		836.5	-2.00	1 / 1	25.40	21.25	0.133	38.45	-17.20
		846.5	-2.00	1 / 12	25.46	21.31	0.135	38.45	-17.14
	16-QAM	836.5	-2.00	1 / 1	24.69	20.54	0.113	38.45	-17.91
10 MHz	$\pi/2$ BPSK	829.0	-2.00	1 / 1	25.63	21.48	0.141	38.45	-16.97
		836.5	-2.00	1 / 25	25.45	21.30	0.135	38.45	-17.15
		844.0	-2.00	1 / 1	25.68	21.53	0.142	38.45	-16.92
	QPSK	829.0	-2.00	1 / 25	25.70	21.55	0.143	38.45	-16.90
		836.5	-2.00	1 / 50	25.70	21.55	0.143	38.45	-16.90
		844.0	-2.00	1 / 50	25.63	21.48	0.141	38.45	-16.97
	16-QAM	844.0	-2.00	1 / 50	24.68	20.53	0.113	38.45	-17.92
15 MHz	$\pi/2$ BPSK	831.5	-2.00	1 / 36	25.70	21.55	0.143	38.45	-16.90
		836.5	-2.00	1 / 1	25.55	21.40	0.138	38.45	-17.05
		841.5	-2.00	1 / 36	25.63	21.48	0.141	38.45	-16.97
	QPSK	831.5	-2.00	1 / 36	25.45	21.30	0.135	38.45	-17.15
		836.5	-2.00	1 / 36	25.44	21.29	0.135	38.45	-17.16
		841.5	-2.00	1 / 36	25.64	21.49	0.141	38.45	-16.96
	16-QAM	831.5	-2.00	1 / 1	24.54	20.39	0.109	38.45	-18.06
20 MHz	$\pi/2$ BPSK	834.0	-2.00	1 / 50	25.63	21.48	0.141	38.45	-16.97
		836.5	-2.00	1 / 104	25.69	21.54	0.143	38.45	-16.91
		839.0	-2.00	1 / 1	25.66	21.51	0.142	38.45	-16.94
	QPSK	834.0	-2.00	1 / 50	25.70	21.55	0.143	38.45	-16.90
		836.5	-2.00	1 / 50	25.54	21.39	0.138	38.45	-17.06
		839.0	-2.00	1 / 1	25.60	21.45	0.140	38.45	-17.00
	16-QAM	836.5	-2.00	1 / 104	24.72	20.57	0.114	38.45	-17.88
	64-QAM	839.0	-2.00	1 / 50	23.73	19.58	0.091	38.45	-18.87
	256-QAM	839.0	-2.00	1 / 104	20.73	16.58	0.045	38.45	-21.87

Table 7-5. Antenna 4 ERP Data (NR Band n26)


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NR Band n5

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	826.5	-2.00	1 / 12	25.44	21.29	0.135	38.45	-17.16
		836.5	-2.00	1 / 1	25.64	21.49	0.141	38.45	-16.96
		846.5	-2.00	1 / 12	25.70	21.55	0.143	38.45	-16.90
	QPSK	826.5	-2.00	1 / 1	25.48	21.33	0.136	38.45	-17.12
		836.5	-2.00	1 / 12	25.67	21.52	0.142	38.45	-16.93
		846.5	-2.00	1 / 12	25.65	21.50	0.141	38.45	-16.95
	16-QAM 64-QAM	836.5	-2.00	1 / 1	24.72	20.57	0.114	38.45	-17.88
		846.5	-2.00	1 / 12	23.64	19.49	0.089	38.45	-18.96
	256-QAM	836.5	-2.00	1 / 75	20.72	16.57	0.045	38.45	-21.88
10 MHz	$\pi/2$ BPSK	829.0	-2.00	1 / 50	25.59	21.44	0.139	38.45	-17.01
		836.5	-2.00	1 / 50	25.70	21.55	0.143	38.45	-16.90
		844.0	-2.00	1 / 1	25.68	21.53	0.142	38.45	-16.92
	QPSK	829.0	-2.00	1 / 1	25.52	21.37	0.137	38.45	-17.08
		836.5	-2.00	1 / 50	25.60	21.45	0.140	38.45	-17.00
		844.0	-2.00	1 / 1	25.69	21.54	0.143	38.45	-16.91
	16-QAM	836.5	-2.00	1 / 1	24.64	20.49	0.112	38.45	-17.96
	64-QAM	829.0	-2.00	1 / 1	23.70	19.55	0.090	38.45	-18.90
	256-QAM	844.0	-2.00	1 / 1	20.78	16.63	0.046	38.45	-21.82
15 MHz	$\pi/2$ BPSK	831.5	-2.00	1 / 77	25.66	21.51	0.142	38.45	-16.94
		836.5	-2.00	1 / 36	25.40	21.25	0.133	38.45	-17.20
		841.5	-2.00	1 / 36	25.37	21.22	0.132	38.45	-17.23
	QPSK	831.5	-2.00	1 / 36	25.70	21.55	0.143	38.45	-16.90
		836.5	-2.00	1 / 77	25.70	21.55	0.143	38.45	-16.90
		841.5	-2.00	1 / 36	25.70	21.55	0.143	38.45	-16.90
	16-QAM	841.5	-2.00	1 / 36	24.61	20.46	0.111	38.45	-17.99
	64-QAM	841.5	-2.00	1 / 36	23.62	19.47	0.089	38.45	-18.98
	256-QAM	831.5	-2.00	1 / 77	20.76	16.61	0.046	38.45	-21.84
20 MHz	$\pi/2$ BPSK	834.0	-2.00	1 / 104	25.66	21.51	0.142	38.45	-16.94
		836.5	-2.00	1 / 1	25.38	21.23	0.133	38.45	-17.22
		839.0	-2.00	1 / 50	25.45	21.30	0.135	38.45	-17.15
	QPSK	834.0	-2.00	1 / 104	25.57	21.42	0.139	38.45	-17.03
		836.5	-2.00	1 / 50	25.70	21.55	0.143	38.45	-16.90
		839.0	-2.00	1 / 104	25.43	21.28	0.134	38.45	-17.17
	16-QAM	839.0	-2.00	1 / 1	24.72	20.57	0.114	38.45	-17.88
	64-QAM	834.0	-2.00	1 / 1	23.74	19.59	0.091	38.45	-18.86
	256-QAM	839.0	-2.00	1 / 104	20.64	16.49	0.045	38.45	-21.96

Table 7-6. Antenna 4 ERP Data (NR Band n5)


FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1C2410210077-07-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 84 of 112

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WCDMA Cell

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
826.40	WCDMA850	25.63	-2.00	21.48	0.141	38.45	-16.97
836.60	WCDMA850	25.65	-2.00	21.50	0.141	38.45	-16.95
846.60	WCDMA850	25.57	-2.00	21.42	0.139	38.45	-17.03

Table 7-7. Antenna 4 ERP Data (WCDMA Cell)

FCC ID: BCGA3355		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2410210077-07-R1.BCG	Test Dates: 7/1/2024 - 12/26/2024	EUT Type: Tablet Device	Page 85 of 112


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7.5.2 Antenna 3b – ERP

LTE Band 26

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	824.7	-1.50	1 / 5	24.85	21.20	0.132	38.45	-17.25
		836.5	-1.50	1 / 0	24.85	21.20	0.132	38.45	-17.25
		848.3	-1.50	1 / 3	24.98	21.33	0.136	38.45	-17.12
	16-QAM	836.5	-1.50	1 / 5	24.13	20.48	0.112	38.45	-17.97
	64-QAM	836.5	-1.50	1 / 0	23.02	19.37	0.086	38.45	-19.08
	256-QAM	848.3	-1.50	1 / 0	20.04	16.39	0.044	38.45	-22.06
3 MHz	QPSK	825.5	-1.50	1 / 0	24.93	21.28	0.134	38.45	-17.17
		836.5	-1.50	1 / 0	24.87	21.22	0.132	38.45	-17.23
		847.5	-1.50	1 / 0	24.89	21.24	0.133	38.45	-17.21
	16-QAM	825.5	-1.50	1 / 0	24.26	20.61	0.115	38.45	-17.84
	64-QAM	847.5	-1.50	1 / 14	23.15	19.50	0.089	38.45	-18.95
	256-QAM	825.5	-1.50	1 / 0	20.16	16.51	0.045	38.45	-21.94
5 MHz	QPSK	826.5	-1.50	1 / 0	25.20	21.55	0.143	38.45	-16.90
		836.5	-1.50	1 / 0	24.98	21.33	0.136	38.45	-17.12
		846.5	-1.50	1 / 0	25.13	21.48	0.141	38.45	-16.97
	16-QAM	836.5	-1.50	1 / 0	24.46	20.81	0.121	38.45	-17.64
	64-QAM	846.5	-1.50	1 / 0	23.32	19.67	0.093	38.45	-18.78
	256-QAM	836.5	-1.50	1 / 0	20.31	16.66	0.046	38.45	-21.79
10 MHz	QPSK	829.0	-1.50	1 / 0	24.99	21.34	0.136	38.45	-17.11
		836.5	-1.50	1 / 49	24.93	21.28	0.134	38.45	-17.17
		844.0	-1.50	1 / 25	24.90	21.25	0.133	38.45	-17.20
	16-QAM	836.5	-1.50	1 / 0	24.29	20.64	0.116	38.45	-17.81
	64-QAM	829.0	-1.50	1 / 0	23.28	19.63	0.092	38.45	-18.82
	256-QAM	836.5	-1.50	1 / 0	20.11	16.46	0.044	38.45	-21.99

Table 7-8. Antenna 3b ERP Data (LTE Band 26)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 5

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	824.7	-1.50	1 / 0	24.96	21.31	0.135	38.45	-17.14
		836.5	-1.50	1 / 0	25.07	21.42	0.139	38.45	-17.03
		848.3	-1.50	1 / 0	25.18	21.53	0.142	38.45	-16.92
	16-QAM	824.7	-1.50	1 / 0	24.31	20.66	0.116	38.45	-17.79
	64-QAM	836.5	-1.50	1 / 3	23.27	19.62	0.092	38.45	-18.83
	256-QAM	848.3	-1.50	1 / 0	20.16	16.51	0.045	38.45	-21.94
3 MHz	QPSK	825.5	-1.50	1 / 0	24.92	21.27	0.134	38.45	-17.18
		836.5	-1.50	1 / 0	24.94	21.29	0.135	38.45	-17.16
		847.5	-1.50	1 / 0	25.01	21.36	0.137	38.45	-17.09
	16-QAM	836.5	-1.50	1 / 0	24.31	20.66	0.116	38.45	-17.79
	64-QAM	847.5	-1.50	1 / 0	23.15	19.50	0.089	38.45	-18.95
	256-QAM	847.5	-1.50	1 / 0	20.23	16.58	0.045	38.45	-21.87
5 MHz	QPSK	826.5	-1.50	1 / 0	25.20	21.55	0.143	38.45	-16.90
		836.5	-1.50	1 / 0	24.95	21.30	0.135	38.45	-17.15
		846.5	-1.50	1 / 0	25.17	21.52	0.142	38.45	-16.93
	16-QAM	836.5	-1.50	1 / 24	24.41	20.76	0.119	38.45	-17.69
	64-QAM	846.5	-1.50	1 / 0	23.38	19.73	0.094	38.45	-18.72
	256-QAM	846.5	-1.50	1 / 0	20.36	16.71	0.047	38.45	-21.74
10 MHz	QPSK	829.0	-1.50	1 / 25	25.03	21.38	0.137	38.45	-17.07
		836.5	-1.50	1 / 49	25.00	21.35	0.136	38.45	-17.10
		844.0	-1.50	1 / 25	24.99	21.34	0.136	38.45	-17.11
	16-QAM	836.5	-1.50	1 / 0	24.39	20.74	0.119	38.45	-17.71
	64-QAM	844.0	-1.50	1 / 0	23.24	19.59	0.091	38.45	-18.86
	256-QAM	829.0	-1.50	1 / 49	20.23	16.58	0.045	38.45	-21.87

Table 7-9. Antenna 3b ERP Data (LTE Band 5)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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ULCA - LTE Band 5

Power State	Band	Bandwidth (PCC + SCC)	PCC					SCC					ULCA Tx. Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
			Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset	Modulation	UL Channel	UL Frequency	UL # RB	UL RB Offset						
Max	LTE B5	10MHz + 10MHz	QPSK	20450	829.0	1	49	QPSK	20549	838.9	1	0	25.15	-1.50	21.50	0.141	38.45	-16.95
				20475	831.5	1	49		20574	841.4	1	0	25.20	-1.50	21.55	0.143	38.45	-16.90
				20600	844.0	1	0		20601	834.1	1	49	25.05	-1.50	21.40	0.138	38.45	-17.05
			QPSK	20475	831.5	50	0	QPSK	20574	841.4	50	0	23.28	-1.50	19.63	0.092	38.45	-18.82
			16-QAM	20475	831.5	50	0	16-QAM	20574	841.4	50	0	22.81	-1.50	19.16	0.082	38.45	-19.29
			64-QAM	20475	831.5	50	0	64-QAM	20574	841.4	50	0	22.24	-1.50	18.59	0.072	38.45	-19.86
			256-QAM	20475	831.5	50	0	256-QAM	20574	841.4	50	0	22.00	-1.50	18.35	0.068	38.45	-20.10

Table 7-10. Antenna 3b ERP Data (ULCA LTE Band 5)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n26

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	826.5	-1.50	1 / 23	25.20	21.55	0.143	38.45	-16.90
		836.5	-1.50	1 / 1	25.16	21.51	0.142	38.45	-16.94
		846.5	-1.50	1 / 12	25.17	21.52	0.142	38.45	-16.93
	QPSK	826.5	-1.50	1 / 23	25.11	21.46	0.140	38.45	-16.99
		836.5	-1.50	1 / 1	25.11	21.46	0.140	38.45	-16.99
		846.5	-1.50	1 / 12	25.12	21.47	0.140	38.45	-16.98
	16-QAM	836.5	-1.50	1 / 1	24.21	20.56	0.114	38.45	-17.89
	64-QAM	826.5	-1.50	1 / 12	23.09	19.44	0.088	38.45	-19.01
	256-QAM	846.5	-1.50	1 / 73	20.31	16.66	0.046	38.45	-21.79
10 MHz	$\pi/2$ BPSK	829.0	-1.50	1 / 25	25.16	21.51	0.142	38.45	-16.94
		836.5	-1.50	1 / 1	25.02	21.37	0.137	38.45	-17.08
		844.0	-1.50	1 / 25	25.19	21.54	0.143	38.45	-16.91
	QPSK	829.0	-1.50	1 / 1	25.07	21.42	0.139	38.45	-17.03
		836.5	-1.50	1 / 1	25.20	21.55	0.143	38.45	-16.90
		844.0	-1.50	1 / 1	25.09	21.44	0.139	38.45	-17.01
	16-QAM	829.0	-1.50	1 / 25	24.21	20.56	0.114	38.45	-17.89
	64-QAM	829.0	-1.50	1 / 1	23.13	19.48	0.089	38.45	-18.97
	256-QAM	844.0	-1.50	1 / 50	20.28	16.63	0.046	38.45	-21.82
15 MHz	$\pi/2$ BPSK	831.5	-1.50	1 / 36	25.20	21.55	0.143	38.45	-16.90
		836.5	-1.50	1 / 36	25.18	21.53	0.142	38.45	-16.92
		841.5	-1.50	1 / 36	25.19	21.54	0.143	38.45	-16.91
	QPSK	831.5	-1.50	1 / 36	25.18	21.53	0.142	38.45	-16.92
		836.5	-1.50	1 / 36	24.75	21.10	0.129	38.45	-17.35
		841.5	-1.50	1 / 36	25.13	21.48	0.141	38.45	-16.97
	16-QAM	831.5	-1.50	1 / 77	24.11	20.46	0.111	38.45	-17.99
	64-QAM	841.5	-1.50	1 / 36	23.14	19.49	0.089	38.45	-18.96
	256-QAM	836.5	-1.50	1 / 1	20.28	16.63	0.046	38.45	-21.82
20 MHz	$\pi/2$ BPSK	834.0	-1.50	1 / 1	24.96	21.31	0.135	38.45	-17.14
		836.5	-1.50	1 / 1	25.06	21.41	0.138	38.45	-17.04
		839.0	-1.50	1 / 50	25.04	21.39	0.138	38.45	-17.06
	QPSK	834.0	-1.50	1 / 1	25.20	21.55	0.143	38.45	-16.90
		836.5	-1.50	1 / 104	25.13	21.48	0.141	38.45	-16.97
		839.0	-1.50	1 / 1	25.10	21.45	0.140	38.45	-17.00
	16-QAM	834.0	-1.50	1 / 50	24.15	20.50	0.112	38.45	-17.95
	64-QAM	839.0	-1.50	1 / 1	23.00	19.35	0.086	38.45	-19.10
	256-QAM	839.0	-1.50	1 / 104	20.26	16.61	0.046	38.45	-21.84

Table 7-11. Antenna 3b ERP Data (NR Band n26)


FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n5

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	826.5	-1.50	1 / 23	25.11	21.46	0.140	38.45	-16.99
		836.5	-1.50	1 / 1	25.06	21.41	0.138	38.45	-17.04
		846.5	-1.50	1 / 23	25.11	21.46	0.140	38.45	-16.99
	QPSK	826.5	-1.50	1 / 12	25.16	21.51	0.142	38.45	-16.94
		836.5	-1.50	1 / 12	25.20	21.55	0.143	38.45	-16.90
		846.5	-1.50	1 / 23	25.18	21.53	0.142	38.45	-16.92
	16-QAM	826.5	-1.50	1 / 12	24.24	20.59	0.115	38.45	-17.86
	64-QAM	826.5	-1.50	1 / 23	23.25	19.60	0.091	38.45	-18.85
256-QAM	846.5	-1.50	1 / 75	20.33	16.68	0.047	38.45	-21.77	
10 MHz	π/2 BPSK	829.0	-1.50	1 / 25	25.12	21.47	0.140	38.45	-16.98
		836.5	-1.50	1 / 25	25.04	21.39	0.138	38.45	-17.06
		844.0	-1.50	1 / 25	25.19	21.54	0.143	38.45	-16.91
	QPSK	829.0	-1.50	1 / 1	24.79	21.14	0.130	38.45	-17.31
		836.5	-1.50	1 / 50	24.95	21.30	0.135	38.45	-17.15
		844.0	-1.50	1 / 50	25.20	21.55	0.143	38.45	-16.90
	16-QAM	829.0	-1.50	1 / 50	24.16	20.51	0.112	38.45	-17.94
	64-QAM	836.5	-1.50	1 / 1	23.01	19.36	0.086	38.45	-19.09
256-QAM	844.0	-1.50	1 / 25	20.22	16.57	0.045	38.45	-21.88	
15 MHz	π/2 BPSK	831.5	-1.50	1 / 77	25.17	21.52	0.142	38.45	-16.93
		836.5	-1.50	1 / 36	25.15	21.50	0.141	38.45	-16.95
		841.5	-1.50	1 / 77	24.96	21.31	0.135	38.45	-17.14
	QPSK	831.5	-1.50	1 / 77	25.20	21.55	0.143	38.45	-16.90
		836.5	-1.50	1 / 77	25.07	21.42	0.139	38.45	-17.03
		841.5	-1.50	1 / 36	25.19	21.54	0.143	38.45	-16.91
	16-QAM	831.5	-1.50	1 / 36	24.20	20.55	0.114	38.45	-17.90
	64-QAM	831.5	-1.50	1 / 1	23.10	19.45	0.088	38.45	-19.00
256-QAM	836.5	-1.50	1 / 77	20.22	16.57	0.045	38.45	-21.88	
20 MHz	π/2 BPSK	834.0	-1.50	1 / 104	25.20	21.55	0.143	38.45	-16.90
		836.5	-1.50	1 / 50	25.04	21.39	0.138	38.45	-17.06
		839.0	-1.50	1 / 104	25.17	21.52	0.142	38.45	-16.93
	QPSK	834.0	-1.50	1 / 50	25.11	21.46	0.140	38.45	-16.99
		836.5	-1.50	1 / 104	25.20	21.55	0.143	38.45	-16.90
		839.0	-1.50	1 / 1	25.11	21.46	0.140	38.45	-16.99
	16-QAM	836.5	-1.50	1 / 1	24.25	20.60	0.115	38.45	-17.85
64-QAM	834.0	-1.50	1 / 50	23.26	19.61	0.091	38.45	-18.84	
256-QAM	834.0	-1.50	1 / 104	20.35	16.70	0.047	38.45	-21.75	

Table 7-12. Antenna 3b ERP Data (NR Band n5)


FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA Cell

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
826.40	WCDMA850	25.09	-1.50	21.44	0.139	38.45	-17.01
836.60	WCDMA850	25.10	-1.50	21.45	0.140	38.45	-17.00
846.60	WCDMA850	25.05	-1.50	21.40	0.138	38.45	-17.05

Table 7-13. Antenna 3b ERP Data (WCDMA Cell)

FCC ID: BCGA3355		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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7.6 Radiated Spurious Emissions

§2.1053, 22.917(a)

Test Overview


Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

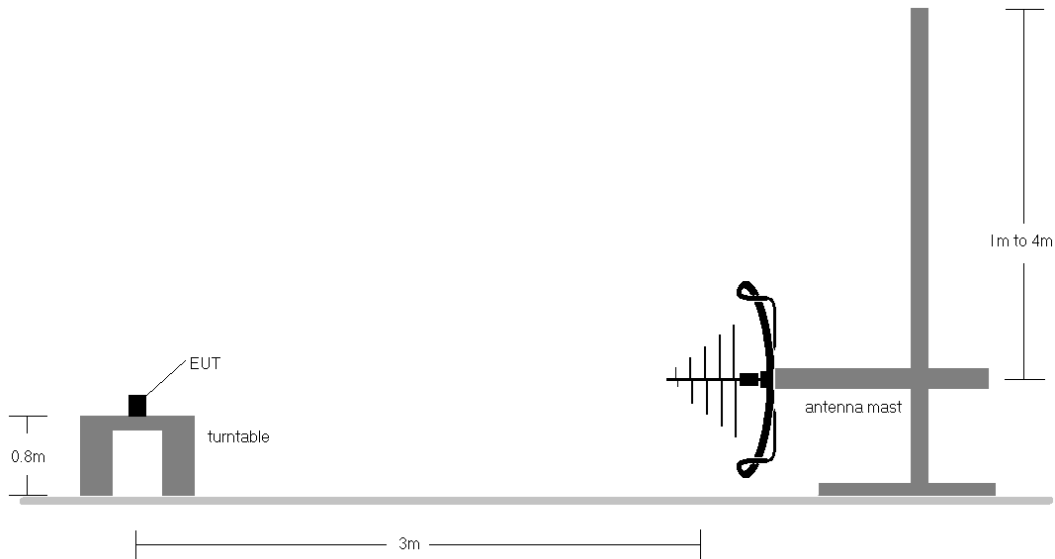


Figure 7-9. Test Instrument & Measurement Setup < 1GHz

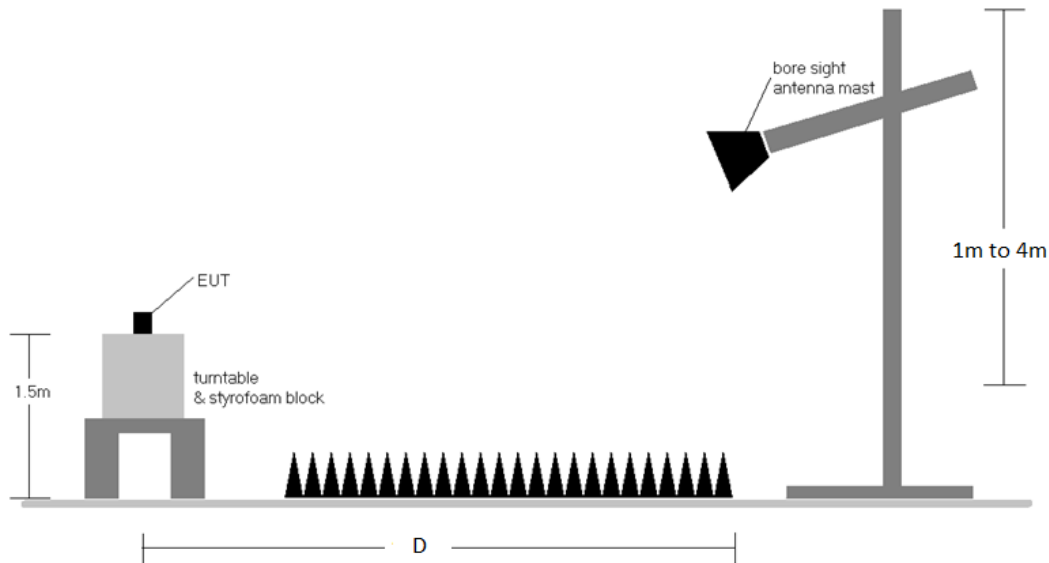




Figure 7-10. Test Instrument & Measurement Setup >1 GHz

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Test Notes

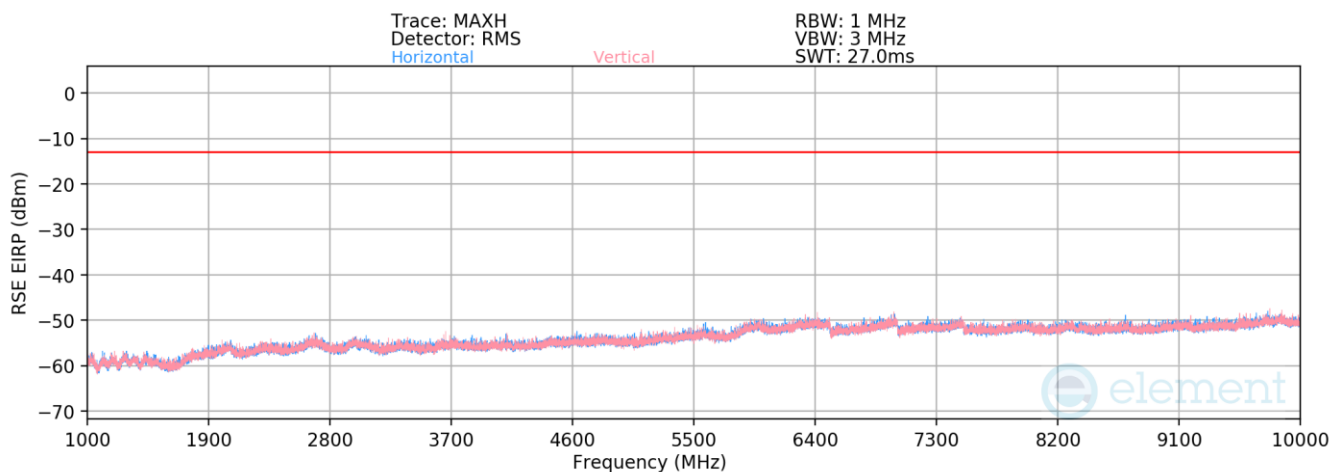
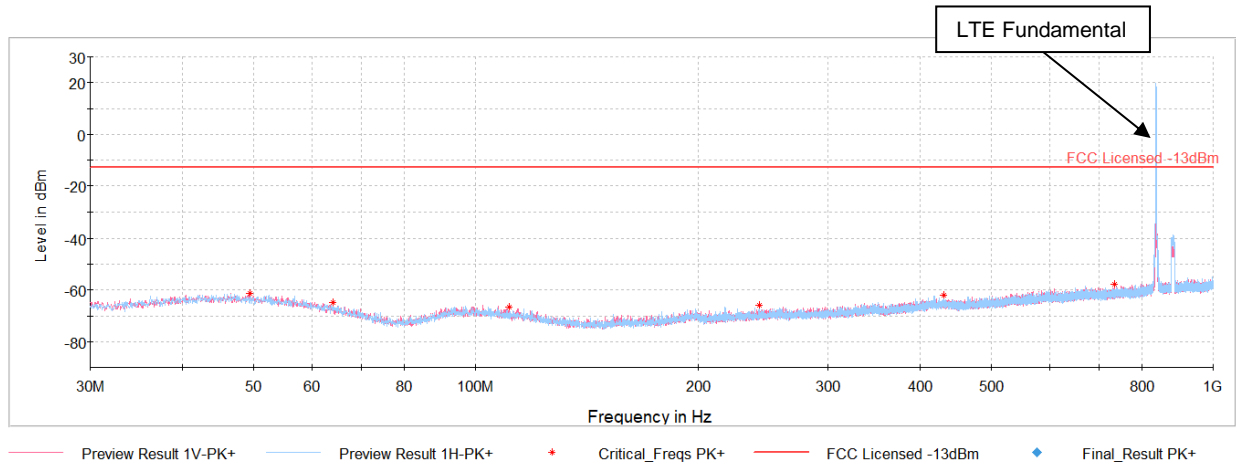
1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 D01 v03r01 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest power is reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
3. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
4. This unit was tested with its standard battery.
5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
6. D is the measurement test distance and emissions 1-18GHz were measured at a 3 meters test distance.
7. The "-" shown in the following RSE tables are used to denote a noise floor measurement.
8. ULCA spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
9. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) 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.
10. Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not be the worst case.
11. Uplink carrier aggregation inter-band emission was investigated and found to not be the worst case.


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7.6.1 Antenna 4 – Radiated Spurious Emission Measurements

LTE Band 26/5



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Bandwidth (MHz):	10
Frequency (MHz):	829.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1658.0	H	-	-	-72.54	-5.12	29.35	-65.91	-13.00	-52.91
2487.0	H	-	-	-74.50	-0.18	32.32	-62.94	-13.00	-49.94
3316.0	V	-	-	-76.17	2.52	33.34	-61.92	-13.00	-48.92

Table 7-14. Antenna 4 Radiated Spurious Data (LTE Band 26/5 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	836.5
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1673.0	H	-	-	-72.41	-5.12	29.47	-65.78	-13.00	-52.78
2509.5	H	-	-	-74.51	-0.18	32.31	-62.94	-13.00	-49.94
3346.0	V	-	-	-75.97	2.27	33.29	-61.96	-13.00	-48.96

Table 7-15. Antenna 4 Radiated Spurious Data (LTE Band 26/5 – Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	844.0
RB / Offset:	1 / 50

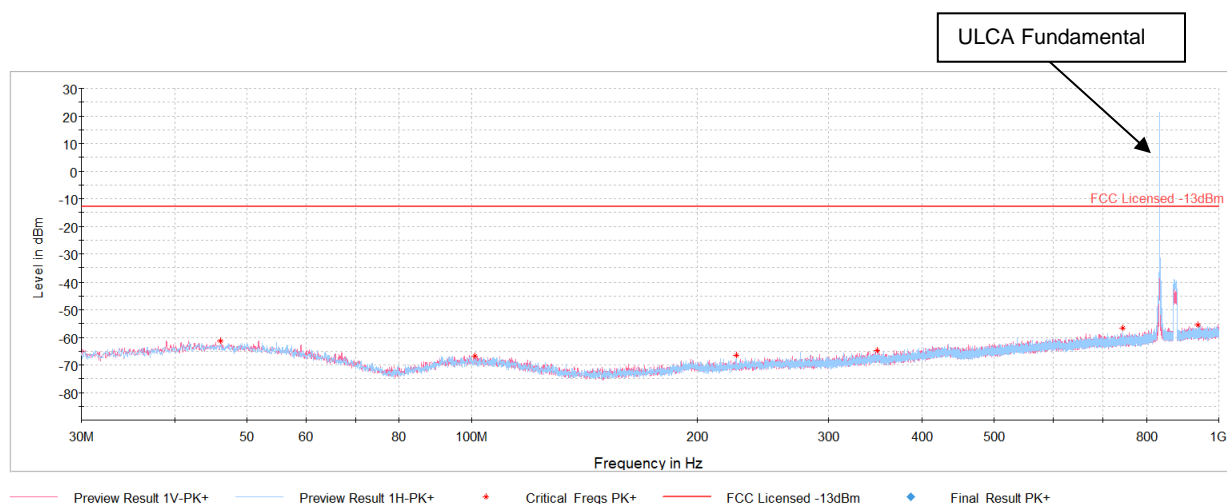
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1688.0	H	-	-	-72.51	-5.12	29.37	-65.88	-13.00	-52.88
2532.0	V	-	-	-74.56	0.04	32.48	-62.77	-13.00	-49.77
3376.0	V	-	-	-76.00	2.27	33.27	-61.99	-13.00	-48.99

Table 7-16. Antenna 4 Radiated Spurious Data (LTE Band 26/5 – High Channel)

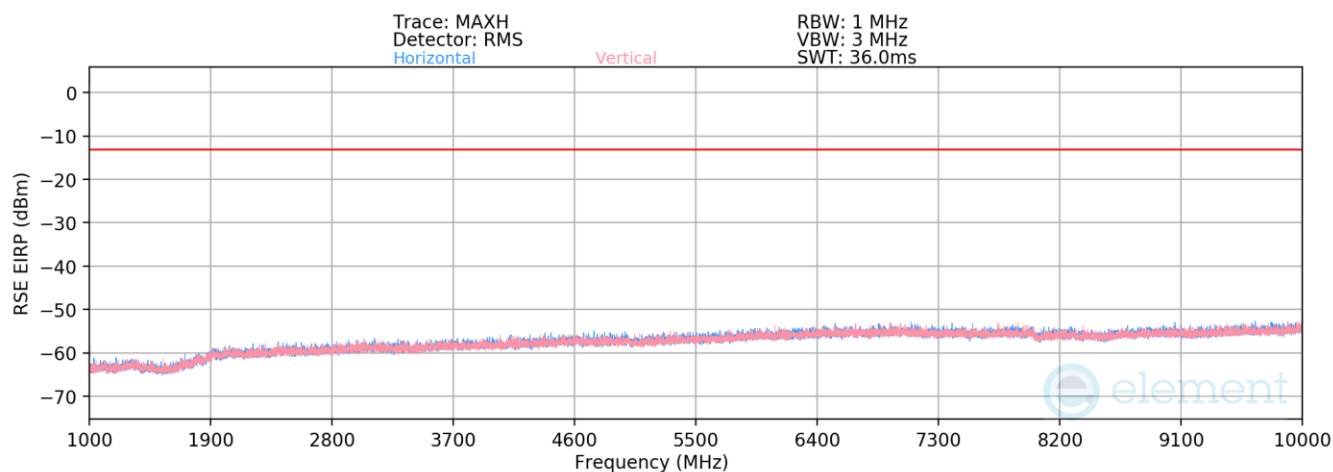
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ULCA LTE Band 5



Plot 7-116. Antenna 4 Radiated Spurious Plot below 1GHz (ULCA LTE Band 5)



Plot 7-117. Antenna 4 Radiated Spurious Plot above 1GHz (ULCA LTE Band 5)

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PCC Bandwidth (MHz):	10
PCC Frequency (MHz):	829.0
PCC RB / Offset:	1 / 49
SCC Bandwidth (MHz):	10
SCC Frequency (MHz):	838.9
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1658.0	H	-	-	-74.10	-5.84	27.06	-68.19	-13.00	-55.19
2487.0	H	-	-	-75.40	-1.51	30.09	-65.17	-13.00	-52.17
3316.0	H	-	-	-75.87	-0.25	30.87	-64.39	-13.00	-51.39

Table 7-17. Antenna 4 Radiated Spurious Data (ULCA LTE Band 5 – Low Channel)

PCC Bandwidth (MHz):	10
PCC Frequency (MHz):	844.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	10
SCC Frequency (MHz):	834.1
SCC RB / Offset:	1 / 49

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1688.0	H	-	-	-74.23	-5.81	26.97	-68.29	-13.00	-55.29
2532.0	V	-	-	-75.16	-1.54	30.30	-64.96	-13.00	-51.96
3376.0	H	-	-	-75.96	-0.14	30.90	-64.36	-13.00	-51.36

Table 7-18. Antenna 4 Radiated Spurious Data (ULCA LTE Band 5 – High Channel)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n26/5

Bandwidth (MHz):	20
Frequency (MHz):	834.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1668.0	H	-	-	-74.27	-5.81	26.92	-68.34	-13.00	-55.34
2502.0	H	-	-	-75.06	-1.63	30.31	-64.95	-13.00	-51.95
3336.0	H	-	-	-75.84	-0.06	31.10	-64.15	-13.00	-51.15

Table 7-19. Antenna 4 Radiated Spurious Data (NR Band n26/5 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	836.5
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1673.0	H	-	-	-74.34	-5.84	26.82	-68.43	-13.00	-55.43
2509.5	V	-	-	-75.31	-1.63	30.05	-65.20	-13.00	-52.20
3346.0	H	-	-	-75.85	-0.14	31.01	-64.25	-13.00	-51.25

Table 7-20. Antenna 4 Radiated Spurious Data (NR Band n26/5 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	839.0
RB / Offset:	1 / 50

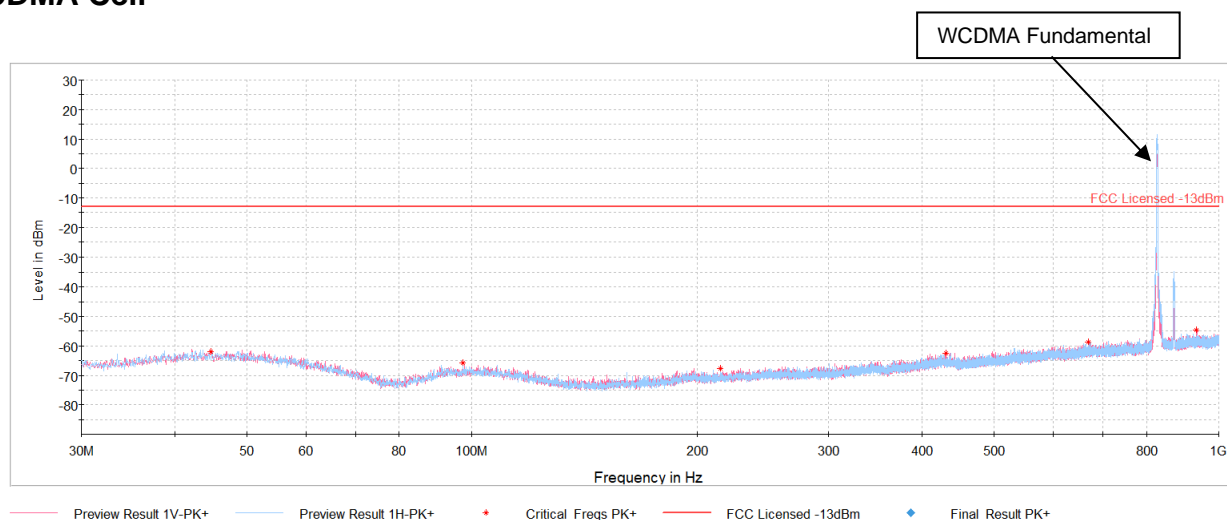
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1678.0	V	-	-	-74.37	-5.84	26.79	-68.47	-13.00	-55.47
2517.0	H	-	-	-75.27	-1.54	30.19	-65.06	-13.00	-52.06
3356.0	H	-	-	-75.96	0.02	31.05	-64.20	-13.00	-51.20

Table 7-21. Antenna 4 Radiated Spurious Data (NR Band n26/5 – High Channel)

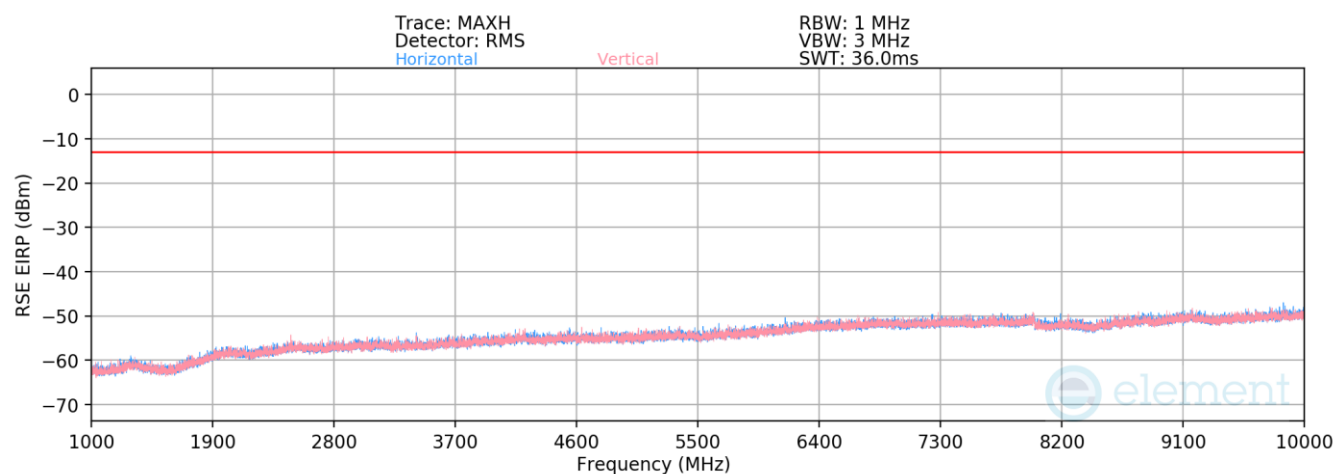
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WCDMA Cell



Plot 7-118. Antenna 4 Radiated Spurious Plot below 1GHz (WCDMA Cell)



Plot 7-119. Antenna 4 Radiated Spurious Plot above 1GHz (WCDMA Cell)

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Mode:	WCDMA RMC
Channel:	4132
Frequency (MHz):	826.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1652.8	V	-	-	-76.71	-1.87	28.42	-66.84	-13.00	-53.84
2479.2	H	-	-	-77.20	2.97	32.77	-62.49	-13.00	-49.49
3305.6	H	-	-	-77.91	3.93	33.02	-62.24	-13.00	-49.24

Table 7-22. Antenna 4 Radiated Spurious Data (WCDMA Cell – Low Channel)

Mode:	WCDMA RMC
Channel:	4183
Frequency (MHz):	836.6


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1673.2	H	-	-	-76.68	-1.95	28.37	-66.89	-13.00	-53.89
2509.8	V	-	-	-77.20	2.99	32.79	-62.47	-13.00	-49.47
3346.4	V	-	-	-78.10	4.59	33.48	-61.78	-13.00	-48.78

Table 7-23. Antenna 4 Radiated Spurious Data (WCDMA Cell – Mid Channel)

Mode:	WCDMA RMC
Channel:	4233
Frequency (MHz):	846.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1693.2	V	-	-	-76.42	-1.95	28.63	-66.63	-13.00	-53.63
2539.8	V	-	-	-77.48	3.13	32.65	-62.61	-13.00	-49.61
3386.4	H	-	-	-77.92	4.13	33.21	-62.05	-13.00	-49.05

Table 7-24. Antenna 4 Radiated Spurious Data (WCDMA Cell – High Channel)

FCC ID: BCGA3355	 PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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7.6.2 Antenna 3b – Radiated Spurious Emission Measurements

LTE Band 26/5

Bandwidth (MHz):	10
Frequency (MHz):	829.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1658.0	H	-	-	-74.62	-5.81	26.57	-68.69	-13.00	-55.69
2487.0	H	-	-	-75.13	-1.63	30.23	-65.03	-13.00	-52.03
3316.0	V	-	-	-75.89	-0.24	30.87	-64.39	-13.00	-51.39

Table 7-25. Antenna 3b Radiated Spurious Data (LTE Band 26/5 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	836.5
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1673.0	V	-	-	-74.44	-5.84	26.72	-68.53	-13.00	-55.53
2509.5	V	-	-	-75.36	-1.61	30.03	-65.22	-13.00	-52.22
3346.0	H	-	-	-75.77	-0.25	30.98	-64.28	-13.00	-51.28

Table 7-26. Antenna 3b Radiated Spurious Data (LTE Band 26/5 – Mid Channel)

Bandwidth (MHz):	10
Frequency (MHz):	844.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1688.0	H	-	-	-74.81	-5.29	26.90	-68.35	-13.00	-55.35
2532.0	H	-	-	-75.23	-1.54	30.23	-65.02	-13.00	-52.02
3376.0	H	-	-	-75.93	-0.14	30.93	-64.33	-13.00	-51.33

Table 7-27. Antenna 3b Radiated Spurious Data (LTE Band 26/5 – High Channel)

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ULCA LTE Band 5

PCC Bandwidth (MHz):	10
PCC Frequency (MHz):	829.0
PCC RB / Offset:	1 / 49
SCC Bandwidth (MHz):	10
SCC Frequency (MHz):	838.9
SCC RB / Offset:	1 / 0


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1658.0	H	-	-	-74.54	-5.84	26.62	-68.64	-13.00	-55.64
2487.0	V	-	-	-75.07	-1.63	30.30	-64.96	-13.00	-51.96
3316.0	H	-	-	-75.77	-0.25	30.98	-64.28	-13.00	-51.28

Table 7-28. Antenna 3b Radiated Spurious Data (ULCA LTE Band 5 – Low Channel)

PCC Bandwidth (MHz):	10
PCC Frequency (MHz):	844.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	10
SCC Frequency (MHz):	834.1
SCC RB / Offset:	1 / 49

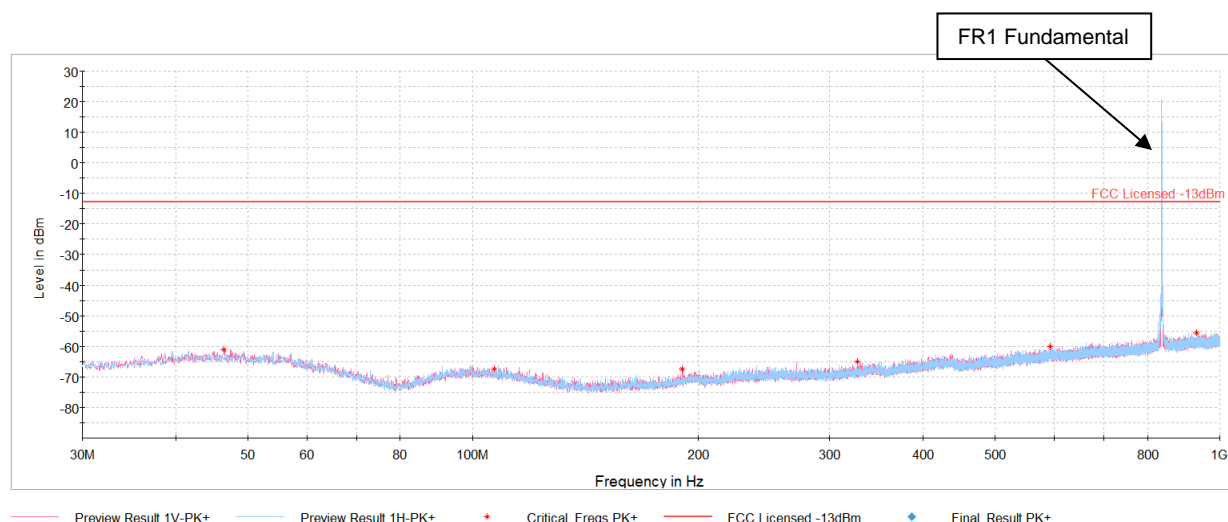
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1688.0	H	-	-	-74.09	-5.81	27.11	-68.15	-13.00	-55.15
2532.0	V	-	-	-75.20	-1.47	30.33	-64.93	-13.00	-51.93
3376.0	H	-	-	-75.88	-0.14	30.98	-64.28	-13.00	-51.28

Table 7-29. Antenna 3b Radiated Spurious Data (ULCA LTE Band 5 – High Channel)

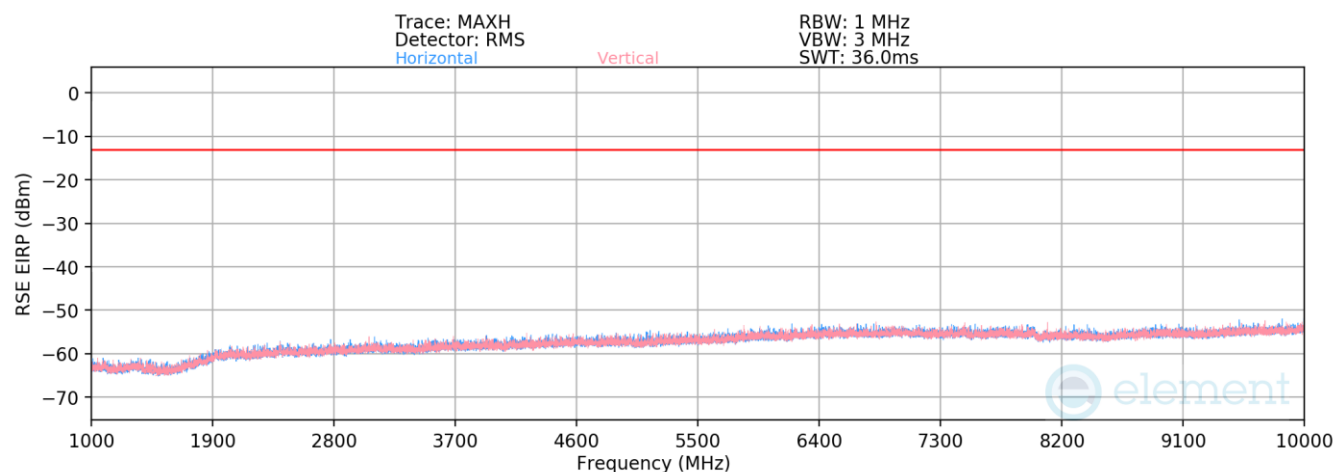
FCC ID: BCGA3355		PART 22 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n26/5



Plot 7-120. Antenna 4 Radiated Spurious Plot below 1GHz (NR Band n26/5)



Plot 7-121. Antenna 4 Radiated Spurious Plot above 1GHz (NR Band n26/5)

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Bandwidth (MHz):	20
Frequency (MHz):	834.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1668.0	H	157	325	-73.49	-5.81	27.70	-67.56	-13.00	-54.56
2502.0	V	-	-	-74.89	-1.63	30.48	-64.78	-13.00	-51.78
3336.0	V	-	-	-75.79	-0.14	31.07	-64.19	-13.00	-51.19
4170.0	V	-	-	-76.80	1.49	31.69	-63.57	-13.00	-50.57

Table 7-30. Antenna 3b Radiated Spurious Data (NR Band n26/5 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	836.5
RB / Offset:	1 / 50


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1673.0	H	-	-	-74.23	-5.81	26.96	-68.30	-13.00	-55.30
2509.5	H	-	-	-75.10	-1.54	30.36	-64.90	-13.00	-51.90
3346.0	V	-	-	-75.89	-0.14	30.96	-64.29	-13.00	-51.29

Table 7-31. Antenna 3b Radiated Spurious Data (NR Band n26/5 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	839.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1678.0	H	-	-	-74.03	-5.81	27.16	-68.10	-13.00	-55.10
2517.0	V	-	-	-75.29	-1.54	30.17	-65.08	-13.00	-52.08
3356.0	H	-	-	-76.04	-0.14	30.81	-64.44	-13.00	-51.44

Table 7-32. Antenna 3b Radiated Spurious Data (NR Band n26/5 – High Channel)

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WCDMA Cell

Mode:	WCDMA RMC
Channel:	4132
Frequency (MHz):	826.4

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1652.8	H	-	-	-76.82	-1.87	28.31	-66.95	-13.00	-53.95
2479.2	H	-	-	-77.29	2.97	32.68	-62.58	-13.00	-49.58
3305.6	H	-	-	-77.74	4.02	33.28	-61.98	-13.00	-48.98

Table 7-33. Antenna 3b Radiated Spurious Data (WCDMA Cell – Low Channel)

Mode:	WCDMA RMC
Channel:	4183
Frequency (MHz):	836.6


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1673.2	H	-	-	-76.65	-1.95	28.40	-66.86	-13.00	-53.86
2509.8	V	-	-	-77.31	2.97	32.66	-62.60	-13.00	-49.60
3346.4	V	-	-	-77.69	4.02	33.33	-61.93	-13.00	-48.93

Table 7-34. Antenna 3b Radiated Spurious Data (WCDMA Cell – Mid Channel)

Mode:	WCDMA RMC
Channel:	4233
Frequency (MHz):	846.6

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1693.2	V	-	-	-77.17	-1.33	28.50	-66.76	-13.00	-53.76
2539.8	V	-	-	-77.47	3.07	32.60	-62.66	-13.00	-49.66
3386.4	V	-	-	-78.63	4.59	32.96	-62.30	-13.00	-49.30

Table 7-35. Antenna 3b Radiated Spurious Data (WCDMA Cell – High Channel)

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7.7 Frequency Stability / Temperature Variation

§2.1055, 22.355

Test Overview and Limit

Frequency Tolerance testing is performed in accordance with the guidelines of ANSI C63.26-2015 and TIA-603-E-2016. All port were tested and only the worst case data were reported. The Frequency Tolerance of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 22, the Frequency Tolerance of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.


Test Procedure Used

ANSI C63.26-2015

TIA-603-E-2016

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

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Test Setup

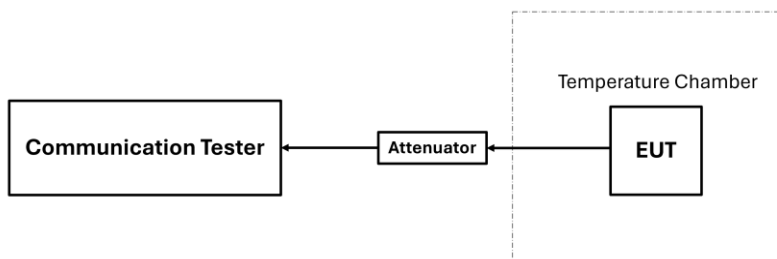


Figure 7-11. LTE Test Instrument & Measurement Setup

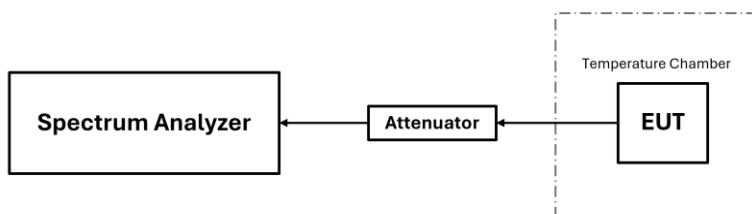



Figure 7-12. FR1 Test Instrument & Measurement Setup

Test Notes

1. All ports were tested and only the worst case data were reported.


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Frequency Tolerance / Temperature Variation

LTE Band 26/5					
		Operating Frequency (Hz):		836,500,000	
		Ref. Voltage (VDC):		3.80	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	836,499,822	-144.00	-0.0000172
		- 20	836,499,884	-82.00	-0.0000098
		- 10	836,499,891	-75.00	-0.0000090
		0	836,499,893	-73.00	-0.0000087
		+ 10	836,499,862	-104.00	-0.0000124
		+ 20 (Ref)	836,499,966	0.00	0.0000000
		+ 30	836,499,998	32.00	0.0000038
		+ 40	836,499,911	-55.00	-0.0000066
		+ 50	836,500,072	106.00	0.0000127
Battery Endpoint	3.40	+ 20	836,499,888	-78.00	-0.0000093

Table 7-36. LTE Band 26/5 Frequency Tolerance Data


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Frequency Tolerance / Temperature Variation

NR Band n26/5					
		Operating Frequency (Hz):		836,500,000	
		Ref. Voltage (VDC):		3.80	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	836,500,047	77.00	0.0000092
		- 20	836,500,007	37.00	0.0000044
		- 10	836,500,048	78.00	0.0000093
		0	836,500,023	53.00	0.0000063
		+ 10	836,499,923	-47.00	-0.0000056
		+ 20 (Ref)	836,499,970	0.00	0.0000000
		+ 30	836,500,004	34.00	0.0000041
		+ 40	836,500,051	81.00	0.0000097
		+ 50	836,500,004	34.00	0.0000041
Battery Endpoint	3.40	+ 20	836,500,022	52.00	0.0000062

Table 7-37. NR Band n26/n5 Frequency Tolerance Data


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Frequency Tolerance / Temperature Variation

WCDMA Cellular					
		Operating Frequency (Hz):		836,600,000	
		Ref. Voltage (VDC):		3.80	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	836,600,052	75.00	0.0000090
		- 20	836,600,092	115.00	0.0000137
		- 10	836,599,927	-50.00	-0.0000060
		0	836,600,043	66.00	0.0000079
		+ 10	836,600,008	31.00	0.0000037
		+ 20 (Ref)	836,599,977	0.00	0.0000000
		+ 30	836,600,051	74.00	0.0000088
		+ 40	836,600,008	31.00	0.0000037
		+ 50	836,599,995	18.00	0.0000022
Battery Endpoint	3.40	+ 20	836,600,051	74.00	0.0000088


Table 7-38. WCDMA Cell Frequency Tolerance Data

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Apple **Tablet Device** **FCC ID: BCGA3355** complies with all the requirements of Part 22 of the FCC rules.

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