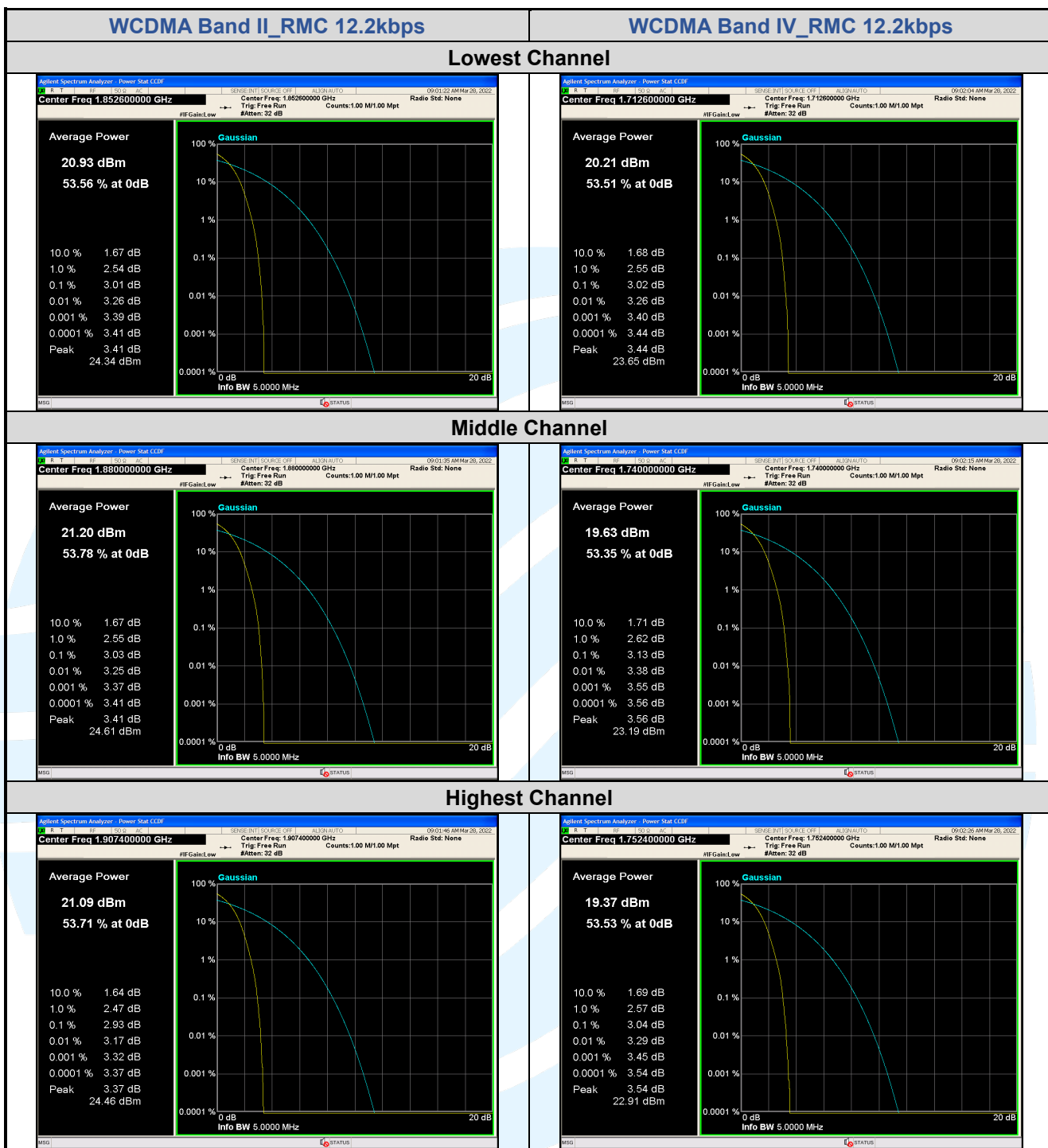
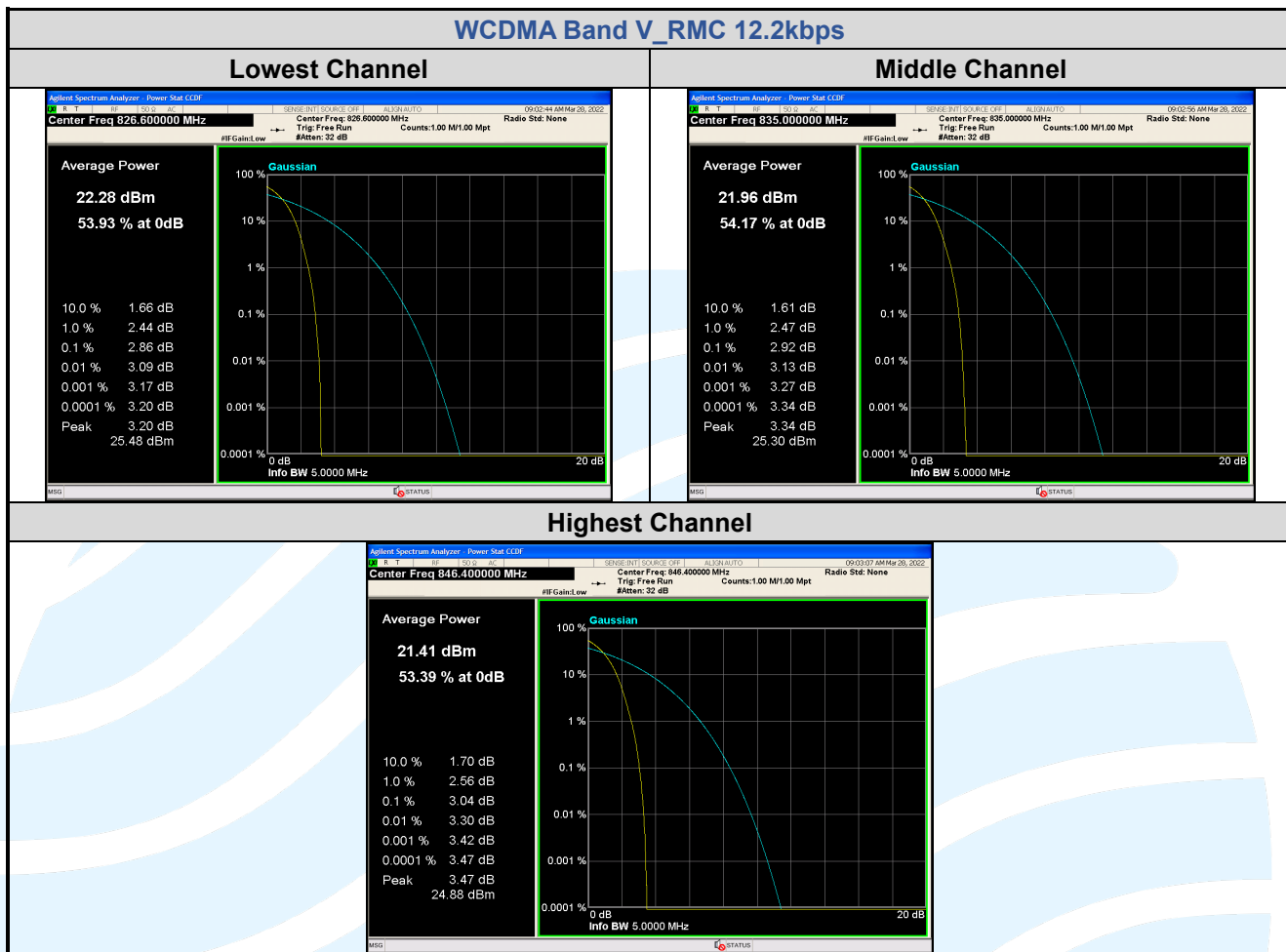






5.599%&26DB BANDWIDTH

Test Requirement: FCC 47 CFR Part 2.1049(h),
FCC 47 CFR Part 22.917(b),
FCC 47 CFR Part 24.238(b),
FCC 47 CFR Part 27.53(h)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01 Section 4

Limit: No Limit, for reporting purposes only.

Test Procedure:

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the low, middle and high channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.2.2 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Link mode

Test Results: Pass

Test Data: See table below

Bands	Modulation	Channel	Frequency (MHz)	99% BW (kHz)	26 dB BW (kHz)
GSM 850	GPRS	128	824.2	242.99	308.1
		190	836.4	241.56	305.9
		251	848.8	242.54	305.7
	EDGE	128	824.2	245.88	309.6
		190	836.4	244.23	314.4
		251	848.8	242.66	310.9
PCS 1900	GPRS	512	1850.2	241.85	305.7
		661	1880.0	242.87	305.8
		810	1909.8	242.80	305.8
	EDGE	512	1850.2	244.22	310.2
		661	1880.0	244.79	314.5
		810	1909.8	244.87	313.4

Bands	Modulation	Channel	Frequency (MHz)	99% BW (MHz)	26 dB BW (MHz)
WCDMA Band II	RMC 12.2kbps	9262	1852.4	4.1595	4.683
		9400	1880.0	4.1459	4.669
		9538	1907.6	4.2549	4.677
WCDMA Band IV	RMC 12.2kbps	1312	1712.4	4.1599	4.658
		1412	1732.4	4.1521	4.684
		1513	1752.6	4.1557	4.675
WCDMA Band V	RMC 12.2kbps	4132	826.4	4.1747	4.677
		4182	836.4	4.1323	4.691
		4233	846.6	4.1618	4.674

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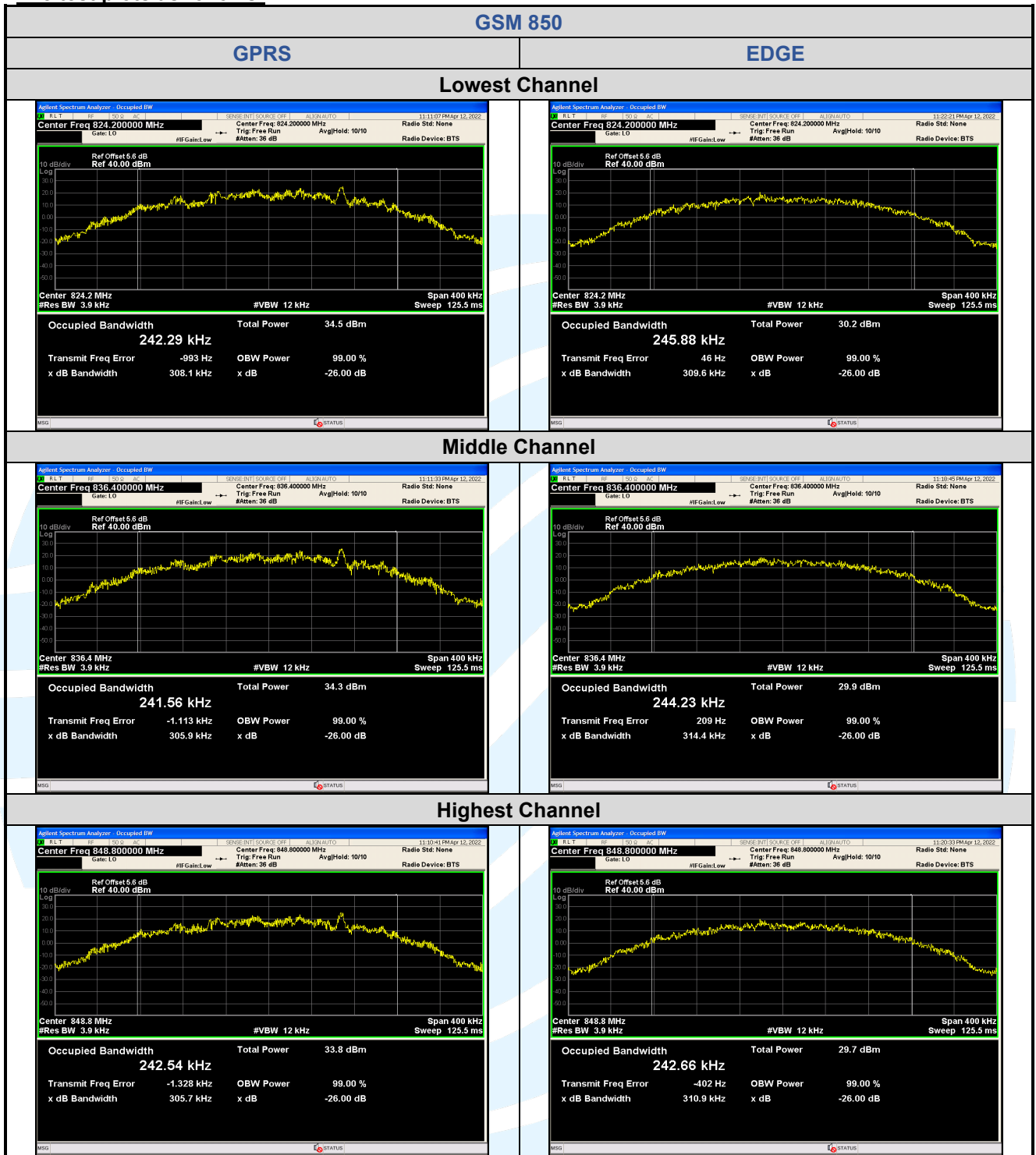
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The test plots as follows:



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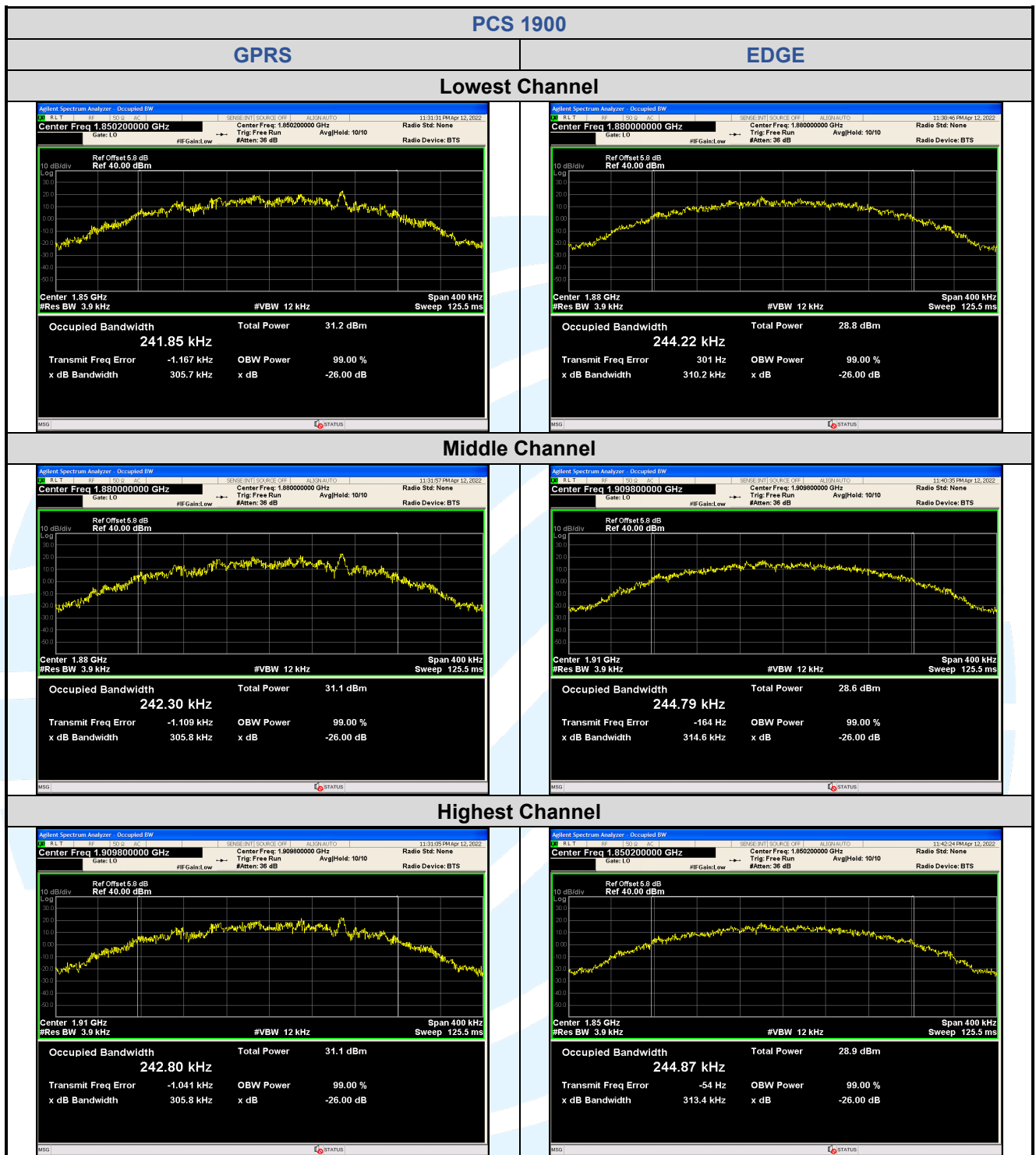
Tel: +86-755-28230888

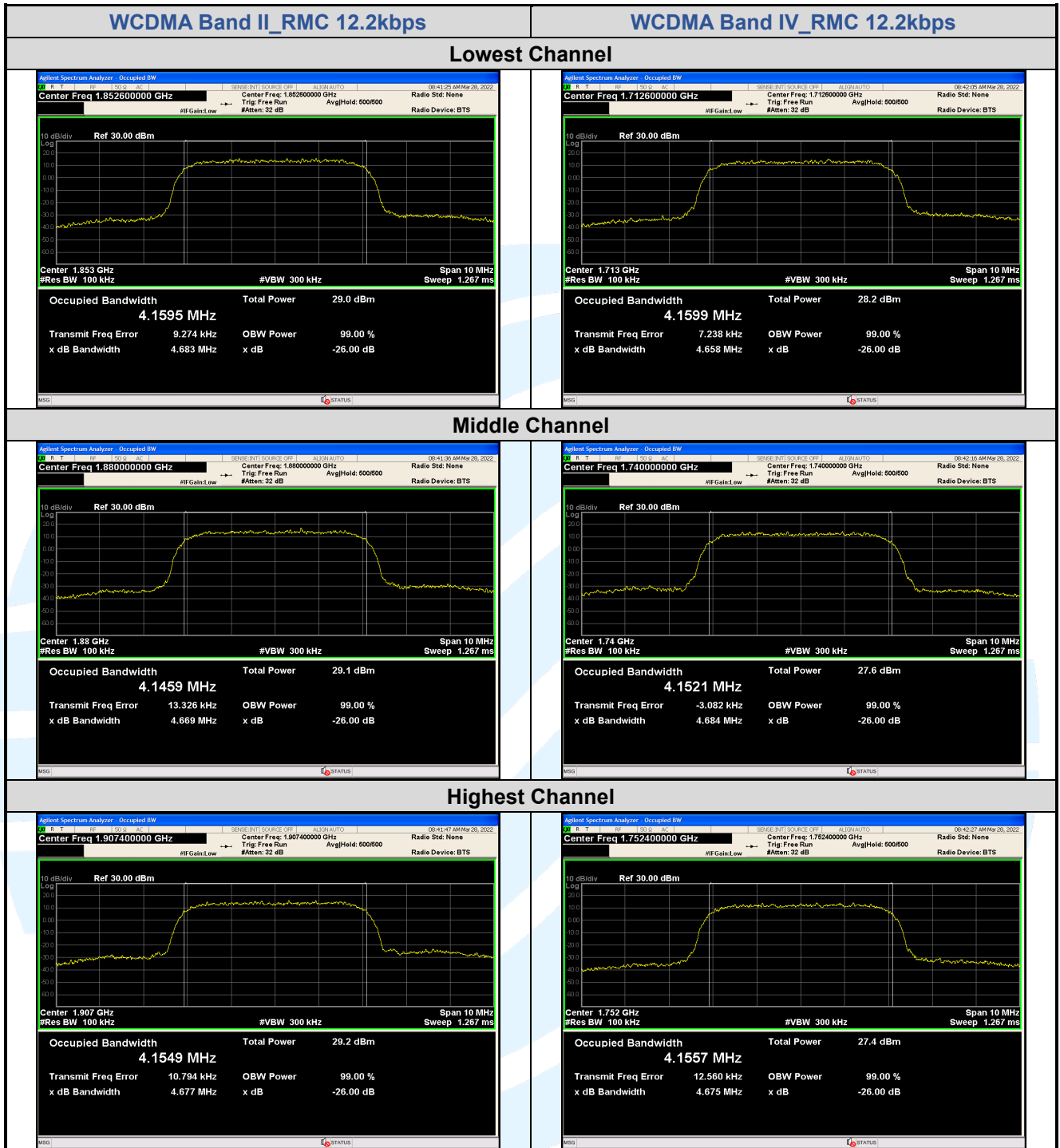
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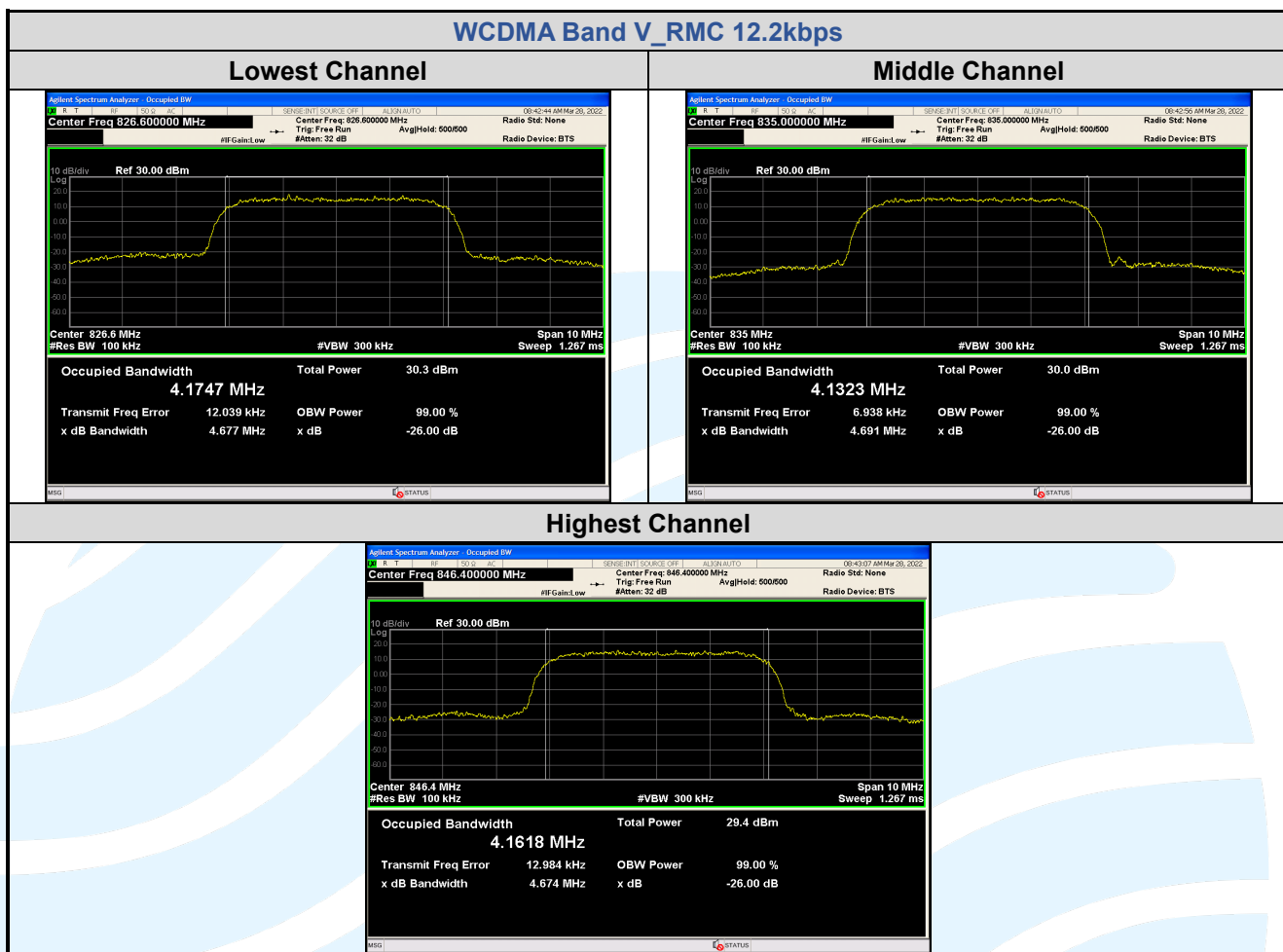
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5.6 BAND EDGE AT ANTENNA TERMINALS

Test Requirement: FCC 47 CFR Part 2.1051,
FCC 47 CFR Part 22.917(a),
FCC 47 CFR Part 24.238(a),
FCC 47 CFR Part 27.53(h)(1)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limit:

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. The emission limit equal to -13 dBm.

Test Procedure:

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer.

For each band edge measurement:

- 1) Set the spectrum analyzer span to include the block edge frequency.
- 2) Set a marker to point the corresponding band edge frequency in each test case.
- 3) Set display line at -13 dBm
- 4) Set resolution bandwidth to at least 1% of emission bandwidth.
- 5) Set spectrum analyzer with RMS detector.
- 6) Record the max trace plot into the test report

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

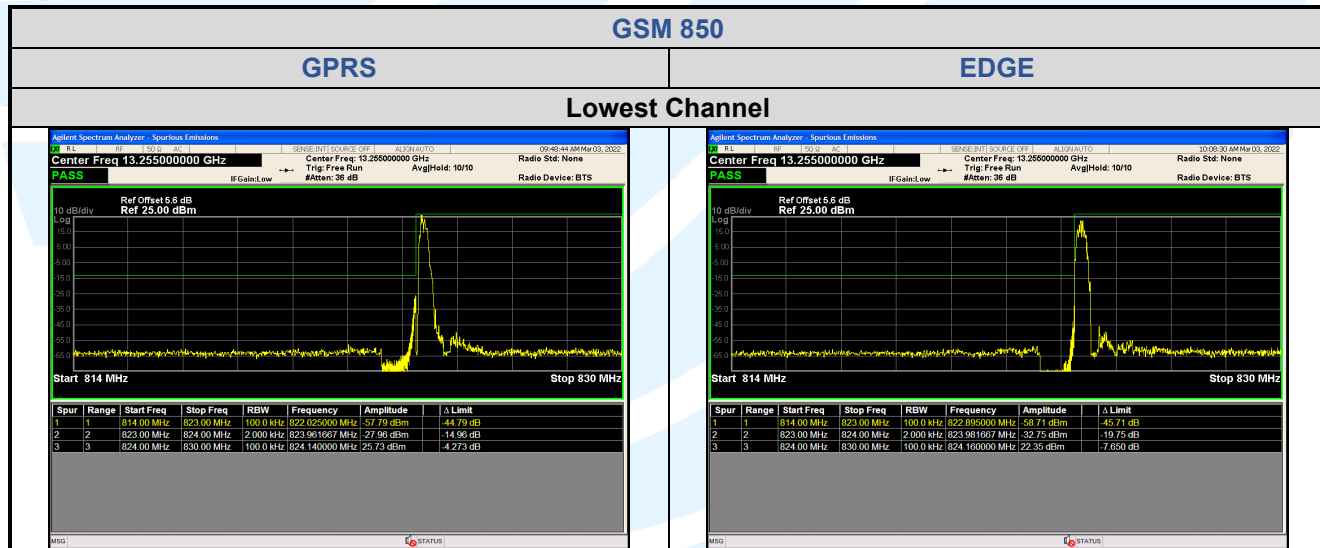
Test Setup: Refer to section 4.2.2 for details.

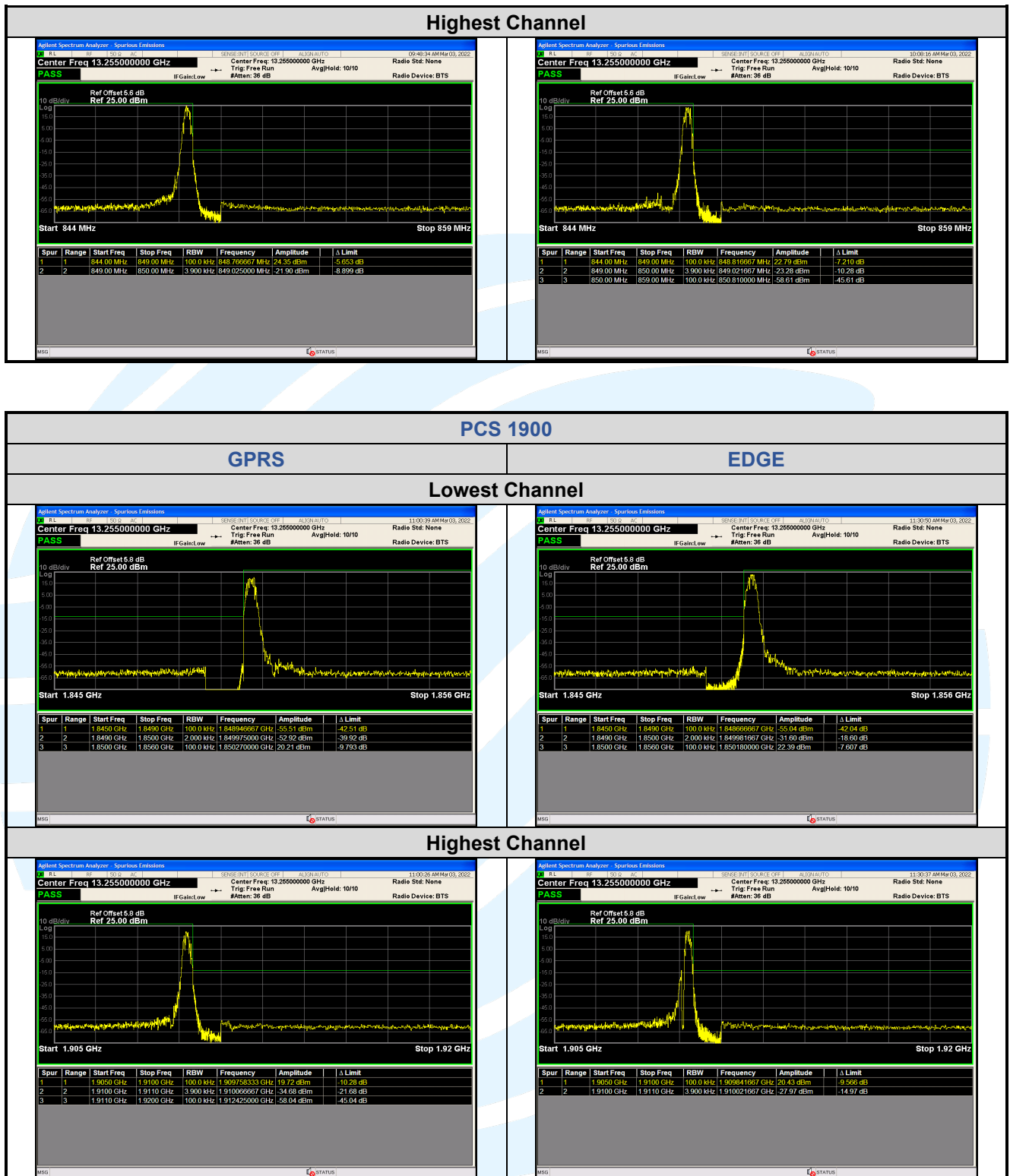
Instruments Used: Refer to section 3 for details

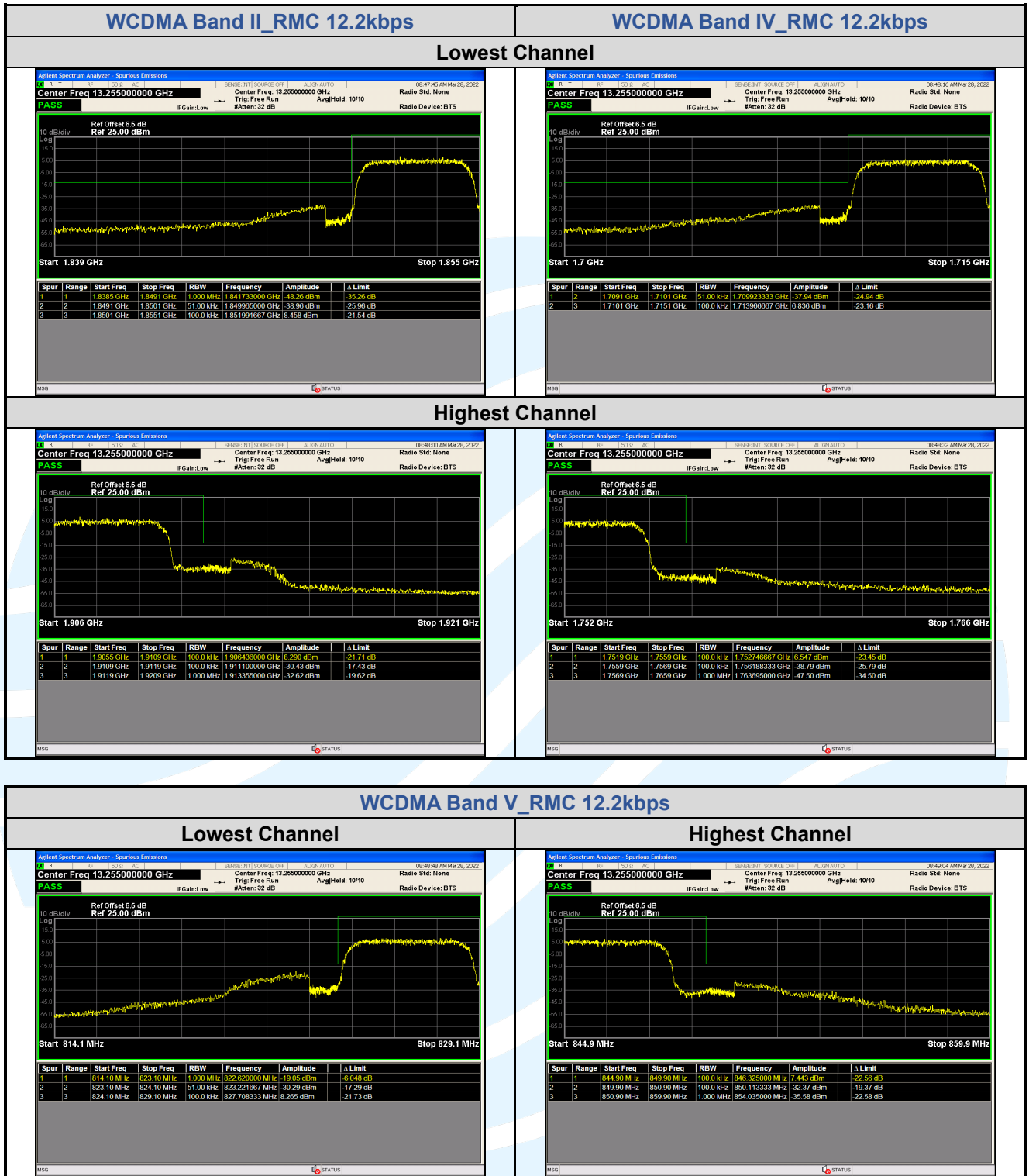
Test Mode: Link mode

Test Results: Pass

The test plots as follows:







5.7 SPURIOUS EMISSIONS AT ANTENNA TERMINALS

Test Requirement: FCC 47 CFR Part 2.1051,
FCC 47 CFR Part 22.917(a)(b),
FCC 47 CFR Part 24.238(a)(b),
FCC 47 CFR Part 27.53(h)(1)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limit:

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. The emission limit equal to -13 dBm.

Test Procedure:

The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range. b. Measuring frequency range is from 30 MHz to the tenth harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.

Test Setup: Refer to section 4.2.2 for details.

Instruments Used: Refer to section 3 for details

Test Mode: Link mode

Test Results: Pass

The test plots as follows:



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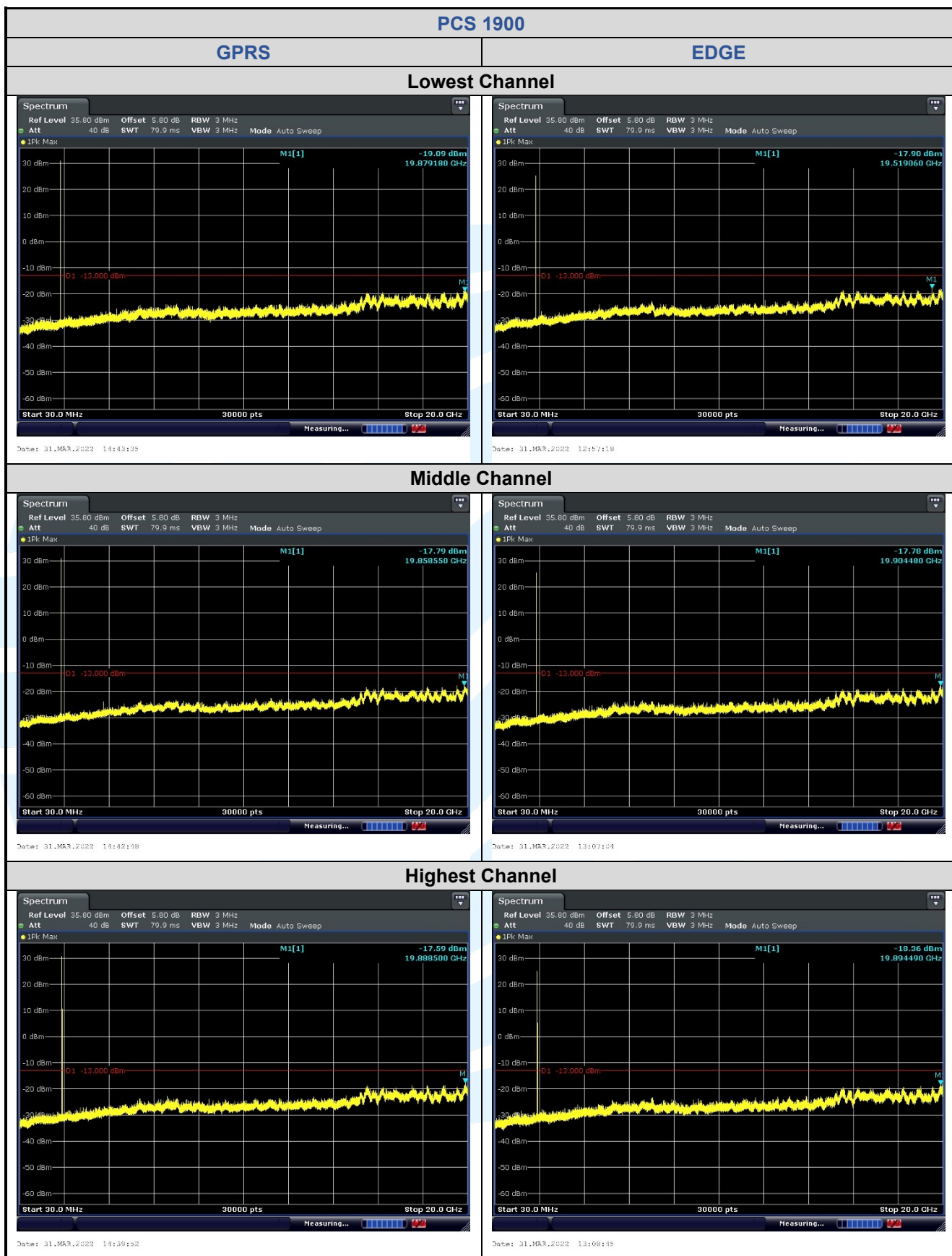
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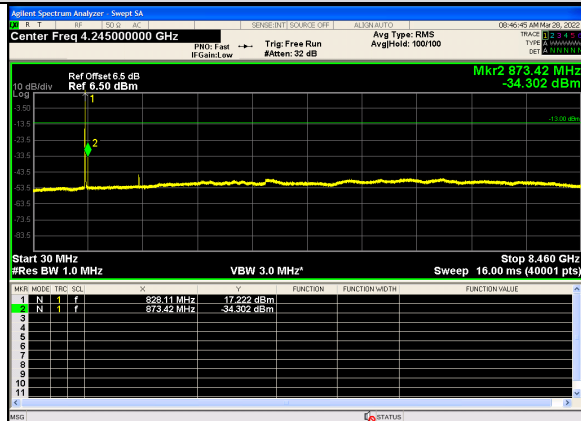
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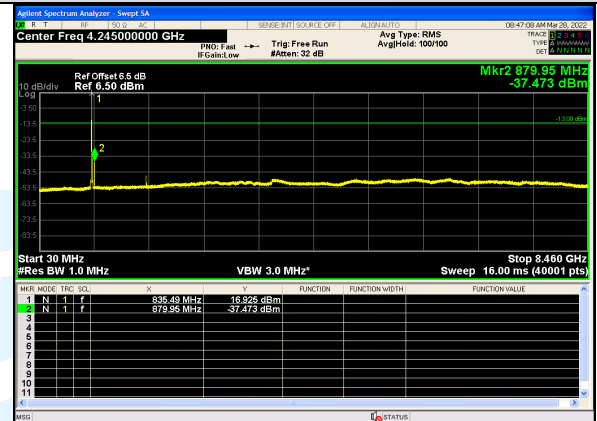


WCDMA Band V_RMC 12.2kbps

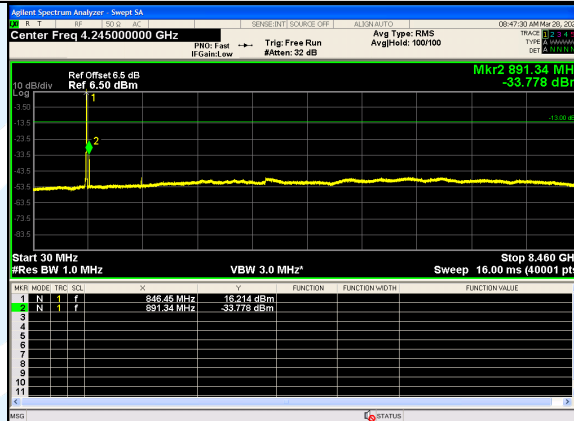
Lowest Channel



Middle Channel



Highest Channel



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5.8 FIELD STRENGTH OF SPURIOUS RADIATION

Test Requirement: FCC 47 CFR Part 2.1053,
FCC 47 CFR Part 22.917(a)(b),
FCC 47 CFR Part 24.238(a)(b),
FCC 47 CFR Part 27.53(h)(1)

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01 Section 7

Limits:

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. The emission limit equal to -13 dBm.

Test Setup: Refer to section 4.2.1 for details.

Test Procedures: KDB 971168 D01v03r01 Section 7

Equipment Used: Refer to section 3 for details.

Test Result: Pass

The measurement data as follows:

GSM 850							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
GPRS_ Lowest Channel							
1	35.762	-89.84	33.25	-56.59	-13.00	-43.59	Horizontal
2	502.247	-89.11	36.18	-52.93	-13.00	-39.93	Horizontal
3	958.714	-86.31	43.02	-43.29	-13.00	-30.29	Horizontal
4	1648.400	-63.89	0.20	-63.69	-13.00	-50.69	Horizontal
5	2472.600	-57.34	3.59	-53.75	-13.00	-40.75	Horizontal
6	33.101	-91.36	33.57	-57.79	-13.00	-44.79	Vertical
7	538.811	-88.90	37.03	-51.87	-13.00	-38.87	Vertical
8	713.692	-88.28	40.54	-47.74	-13.00	-34.74	Vertical
9	1648.400	-60.44	0.20	-60.24	-13.00	-47.24	Vertical
10	2472.600	-58.93	3.59	-55.34	-13.00	-42.34	Vertical
GPRS_ Middle Channel							
1	35.263	-91.38	33.83	-57.55	-13.00	-44.55	Horizontal
2	520.208	-88.40	36.39	-52.01	-13.00	-39.01	Horizontal
3	660.602	-88.84	39.56	-49.28	-13.00	-36.28	Horizontal
4	1673.200	-63.25	0.36	-62.89	-13.00	-49.89	Horizontal
5	2509.800	-56.55	3.71	-52.84	-13.00	-39.84	Horizontal
6	35.511	-91.60	33.54	-58.06	-13.00	-45.06	Vertical
7	495.238	-88.20	35.94	-52.26	-13.00	-39.26	Vertical
8	739.214	-88.80	40.89	-47.91	-13.00	-34.91	Vertical
9	1673.200	-61.06	0.36	-60.70	-13.00	-47.70	Vertical
10	2509.800	-60.37	3.71	-56.66	-13.00	-43.66	Vertical
GPRS_ Highest Channel							
1	36.014	-91.73	32.96	-58.77	-13.00	-45.77	Horizontal
2	358.450	-88.98	32.95	-56.03	-13.00	-43.03	Horizontal
3	718.725	-88.19	40.67	-47.52	-13.00	-34.52	Horizontal
4	1697.600	-62.67	0.52	-62.15	-13.00	-49.15	Horizontal
5	2546.400	-58.13	3.80	-54.33	-13.00	-41.33	Horizontal
6	35.762	-90.65	33.25	-57.40	-13.00	-44.40	Vertical

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7	343.651	-89.54	32.44	-57.10	-13.00	-44.10	Vertical
8	684.226	-89.11	40.01	-49.10	-13.00	-36.10	Vertical
9	1697.600	-62.20	0.52	-61.68	-13.00	-48.68	Vertical
10	2546.400	-60.97	3.80	-57.17	-13.00	-44.17	Vertical

PCS 1900							
No.	Frequency (MHz)	SA Reading (dBm)	Correction factor (dB/m)	EIRP Result (dBm)	Limit (dBm)	Margin (dB)	Ant. Pol.
GPRS_ Lowest Channel							
1	47.703	-72.06	-3.45	-75.51	-13.00	-62.51	Horizontal
2	250.486	-74.33	0.77	-73.56	-13.00	-60.56	Horizontal
3	689.051	-80.20	10.82	-69.38	-13.00	-56.38	Horizontal
4	3700.400	-57.34	7.58	-49.76	-13.00	-36.76	Horizontal
5	5550.600	-65.84	11.77	-54.07	-13.00	-41.07	Horizontal
6	54.135	-69.20	-7.12	-76.32	-13.00	-63.32	Vertical
7	703.731	-80.42	11.07	-69.35	-13.00	-56.35	Vertical
8	925.613	-81.69	14.06	-67.63	-13.00	-54.63	Vertical
9	3700.400	-60.33	7.58	-52.75	-13.00	-39.75	Vertical
10	5550.600	-66.36	11.77	-54.59	-13.00	-41.59	Vertical
GPRS_ Middle Channel							
1	35.762	-79.77	4.45	-75.32	-13.00	-62.32	Horizontal
2	48.378	-72.65	-4.02	-76.67	-13.00	-63.67	Horizontal
3	893.656	-81.48	13.85	-67.63	-13.00	-54.63	Horizontal
4	3760.000	-61.59	7.79	-53.80	-13.00	-40.80	Horizontal
5	5640.000	-62.60	11.56	-51.04	-13.00	-38.04	Horizontal
6	34.527	-80.35	4.99	-75.36	-13.00	-62.36	Vertical
7	554.171	-80.43	7.85	-72.58	-13.00	-59.58	Vertical
8	906.304	-81.58	13.93	-67.65	-13.00	-54.65	Vertical
9	3760.000	-65.56	7.79	-57.77	-13.00	-44.77	Vertical
10	5640.000	-64.75	11.56	-53.19	-13.00	-40.19	Vertical
GPRS_ Highest Channel							
1	32.640	-79.19	4.81	-74.38	-13.00	-61.38	Horizontal
2	665.261	-81.03	10.41	-70.62	-13.00	-57.62	Horizontal
3	765.648	-80.34	11.74	-68.60	-13.00	-55.60	Horizontal
4	3819.600	-60.06	8.01	-52.05	-13.00	-39.05	Horizontal
5	5729.400	-62.07	11.36	-50.71	-13.00	-37.71	Horizontal
6	35.762	-79.52	4.45	-75.07	-13.00	-62.07	Vertical
7	53.379	-71.47	-6.95	-78.42	-13.00	-65.42	Vertical
8	684.226	-81.32	10.62	-70.70	-13.00	-57.70	Vertical
9	3819.600	-60.23	8.01	-52.22	-13.00	-39.22	Vertical
10	5729.400	-66.88	11.36	-55.52	-13.00	-42.52	Vertical

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WCDMA Band II							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
RMC 12.2kbps_ Lowest Channel							
1	250.486	-78.40	0.77	-77.63	-13.00	-64.63	Horizontal
2	538.811	-80.81	7.67	-73.14	-13.00	-60.14	Horizontal
3	938.714	-82.71	14.16	-68.55	-13.00	-55.55	Horizontal
4	3704.800	-63.11	7.59	-55.52	-13.00	-42.52	Horizontal
5	5557.200	-65.84	11.75	-54.09	-13.00	-41.09	Horizontal
6	33.570	-80.73	4.68	-76.05	-13.00	-63.05	Vertical
7	54.135	-70.68	-7.12	-77.80	-13.00	-64.80	Vertical
8	906.304	-81.51	13.93	-67.58	-13.00	-54.58	Vertical
9	3704.800	-64.06	7.59	-56.47	-13.00	-43.47	Vertical
10	5557.200	-66.30	11.75	-54.55	-13.00	-41.55	Vertical
RMC 12.2kbps_ Middle Channel							
1	30.855	-80.63	5.05	-75.58	-13.00	-62.58	Horizontal
2	45.733	-73.98	-2.11	-76.09	-13.00	-63.09	Horizontal
3	932.141	-82.33	14.11	-68.22	-13.00	-55.22	Horizontal
4	3760.000	-66.46	7.79	-58.67	-13.00	-45.67	Vertical
5	5640.000	-64.74	11.56	-53.18	-13.00	-40.18	Vertical
6	35.263	-80.12	5.02	-75.10	-13.00	-62.10	Vertical
7	689.051	-81.14	10.82	-70.32	-13.00	-57.32	Vertical
8	958.714	-82.82	14.29	-68.53	-13.00	-55.53	Vertical
9	3760.000	-66.20	7.79	-58.41	-13.00	-45.41	Vertical
10	5640.000	-65.28	11.56	-53.72	-13.00	-40.72	Vertical
RMC 12.2kbps_ Highest Channel							
1	35.511	-80.54	4.73	-75.81	-13.00	-62.81	Horizontal
2	787.475	-81.66	11.77	-69.89	-13.00	-56.89	Horizontal
3	965.474	-82.54	14.34	-68.20	-13.00	-55.20	Horizontal
4	3815.200	-64.10	7.99	-56.11	-13.00	-43.11	Horizontal
5	5722.800	-66.52	11.38	-55.14	-13.00	-42.14	Horizontal
6	35.263	-79.08	5.02	-74.06	-13.00	-61.06	Vertical
7	728.897	-80.56	11.48	-69.08	-13.00	-56.08	Vertical
8	912.695	-81.33	13.97	-67.36	-13.00	-54.36	Vertical
9	3815.200	-63.23	7.99	-55.24	-13.00	-42.24	Vertical
10	5722.800	-64.90	11.38	-53.52	-13.00	-40.52	Vertical

WCDMA Band IV							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
RMC 12.2kbps_ Lowest Channel							
1	47.703	-72.91	-3.45	-76.36	-13.00	-63.36	Horizontal
2	723.793	-80.23	11.38	-68.85	-13.00	-55.85	Horizontal
3	856.760	-81.15	13.12	-68.03	-13.00	-55.03	Horizontal
4	3424.800	-65.56	6.47	-59.09	-13.00	-46.09	Horizontal
5	5137.200	-69.61	10.02	-59.59	-13.00	-46.59	Horizontal
6	538.811	-79.89	7.67	-72.22	-13.00	-59.22	Vertical
7	734.037	-80.34	11.36	-68.98	-13.00	-55.98	Vertical
8	893.656	-81.64	13.85	-67.79	-13.00	-54.79	Vertical
9	3424.800	-66.27	6.47	-59.80	-13.00	-46.80	Vertical
10	5137.200	-68.49	10.02	-58.47	-13.00	-45.47	Vertical
RMC 12.2kbps_ Middle Channel							
1	32.184	-80.57	4.84	-75.73	-13.00	-62.73	Horizontal
2	47.703	-73.38	-3.45	-76.83	-13.00	-63.83	Horizontal
3	250.486	-77.14	0.77	-76.37	-13.00	-63.37	Horizontal
4	3464.800	-66.56	6.62	-59.94	-13.00	-46.94	Horizontal
5	5197.200	-66.25	10.24	-56.01	-13.00	-43.01	Horizontal
6	30.639	-79.92	5.09	-74.83	-13.00	-61.83	Vertical
7	53.379	-71.45	-6.95	-78.40	-13.00	-65.40	Vertical
8	744.427	-81.64	11.48	-70.16	-13.00	-57.16	Vertical
9	3464.800	-66.57	6.62	-59.95	-13.00	-46.95	Vertical
10	5197.200	-66.47	10.24	-56.23	-13.00	-43.23	Vertical
RMC 12.2kbps_ Highest Channel							
1	37.830	-79.23	3.06	-76.17	-13.00	-63.17	Horizontal
2	250.486	-77.84	0.77	-77.07	-13.00	-64.07	Horizontal
3	912.695	-82.23	13.97	-68.26	-13.00	-55.26	Horizontal
4	3505.200	-64.34	6.77	-57.57	-13.00	-44.57	Horizontal
5	5257.800	-64.87	10.56	-54.31	-13.00	-41.31	Horizontal
6	35.263	-81.53	5.02	-76.51	-13.00	-63.51	Vertical
7	628.894	-80.80	9.36	-71.44	-13.00	-58.44	Vertical
8	899.958	-81.84	13.88	-67.96	-13.00	-54.96	Vertical
9	3505.200	-64.42	6.77	-57.65	-13.00	-44.65	Vertical
10	5257.800	-63.96	10.56	-53.40	-13.00	-40.40	Vertical

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WCDMA Band V							
No.	Frequency	SA Reading	Correction factor	EIRP Result	Limit	Margin	Ant. Pol.
	(MHz)	(dBm)	(dB/m)	(dBm)	(dBm)	(dB)	
RMC 12.2kbps_ Lowest Channel							
1	458.399	-89.56	34.92	-54.64	-13.00	-41.64	Horizontal
2	718.725	-89.79	40.67	-49.12	-13.00	-36.12	Horizontal
3	952.000	-88.15	42.99	-45.16	-13.00	-32.16	Horizontal
4	1652.800	-56.86	0.23	-56.63	-13.00	-43.63	Horizontal
5	2479.200	-66.00	3.61	-62.39	-13.00	-49.39	Horizontal
6	36.014	-91.53	32.96	-58.57	-13.00	-45.57	Vertical
7	684.226	-88.13	40.01	-48.12	-13.00	-35.12	Vertical
8	887.398	-87.27	42.64	-44.63	-13.00	-31.63	Vertical
9	1652.800	-61.22	0.23	-60.99	-13.00	-47.99	Vertical
10	2479.200	-67.34	3.61	-63.73	-13.00	-50.73	Vertical
RMC 12.2kbps_ Middle Channel							
1	35.762	-88.43	33.25	-55.18	-13.00	-42.18	Horizontal
2	185.163	-89.29	27.49	-61.80	-13.00	-48.80	Horizontal
3	628.894	-88.89	38.79	-50.10	-13.00	-37.10	Horizontal
4	1672.800	-57.61	0.36	-57.25	-13.00	-44.25	Horizontal
5	2509.200	-65.41	3.71	-61.70	-13.00	-48.70	Horizontal
6	30.855	-91.51	33.86	-57.65	-13.00	-44.65	Vertical
7	35.511	-91.77	33.54	-58.23	-13.00	-45.23	Vertical
8	628.894	-89.18	38.79	-50.39	-13.00	-37.39	Vertical
9	1672.800	-61.25	0.36	-60.89	-13.00	-47.89	Vertical
10	2509.200	-62.05	3.71	-58.34	-13.00	-45.34	Vertical
RMC 12.2kbps_ Highest Channel							
1	35.511	-92.09	33.54	-58.55	-13.00	-45.55	Horizontal
2	516.565	-89.36	36.45	-52.91	-13.00	-39.91	Horizontal
3	689.051	-88.81	40.21	-48.60	-13.00	-35.60	Horizontal
4	1693.200	-58.99	0.50	-58.49	-13.00	-45.49	Horizontal
5	2539.800	-69.35	3.78	-65.57	-13.00	-52.57	Horizontal
6	35.263	-91.45	33.83	-57.62	-13.00	-44.62	Vertical
7	505.789	-89.32	36.38	-52.94	-13.00	-39.94	Vertical
8	798.620	-88.24	41.20	-47.04	-13.00	-34.04	Vertical
9	1693.200	-60.37	0.50	-59.87	-13.00	-46.87	Vertical
10	2539.800	-64.71	3.78	-60.93	-13.00	-47.93	Vertical

Remark:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result – Limit

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UTTR-RF-FCC23G-V1.1

5.9 FREQUENCY STABILITY

Test Requirement: FCC 47 CFR Part 2.1055 &
FCC 47 CFR Part 22.355 &
FCC 47 CFR Part 24.235 &
FCC 47 CFR Part 27.54

Test Method: ANSI C63.26-2015 & KDB 971168 D01v03r01

Limits:

FCC 47 CFR Part 22.355,

The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

FCC 47 CFR Part 24.235, FCC 47 CFR Part 27.54

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

Test Setup: Refer to section 4.2.2 for details.

Test Procedures:

1) Use CMW 500 with Frequency Error measurement capability.

a) Temp. = -30° to $+50^{\circ}\text{C}$

b) Voltage = low voltage, 3.6 Vdc, Normal, 3.85 Vdc and High voltage, 4.4 Vdc.

2) 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 $+50^{\circ}\text{C}$ is reached.

3) Frequency Stability vs Voltage:

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

Equipment Used: Refer to section 3 for details.

Test Result: Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature ($^{\circ}\text{C}$)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Result
GSM 850							
GMSK	190 / 836.6	VL	TN	-23	-0.0275	± 2.5	Pass
		VN		-29	-0.0347	± 2.5	Pass
		VH		-21	-0.0251	± 2.5	Pass
		VN	50	-19	-0.0227	± 2.5	Pass
			40	-32	-0.0383	± 2.5	Pass
			30	-12	-0.0143	± 2.5	Pass
			20	-23	-0.0275	± 2.5	Pass
			10	-32	-0.0383	± 2.5	Pass
			0	-30	-0.0359	± 2.5	Pass
			-10	-28	-0.0335	± 2.5	Pass
			-20	-13	-0.0155	± 2.5	Pass
			-30	-34	-0.0406	± 2.5	Pass

Modulation	Channel/ Frequency	Voltage	Temperatur e	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
PCS 1900							
GMSK	661 / 1880.0	VL	TN	33	0.0176	N/A	Pass
		VN		31	0.0165		Pass
		VH		31	0.0165		Pass
		VN	50	26	0.0138		Pass
			40	28	0.0149		Pass
			30	44	0.0234		Pass
			20	30	0.0160		Pass
			10	31	0.0165		Pass
			0	36	0.0191		Pass
			-10	36	0.0191		Pass
			-20	25	0.0133		Pass
			-30	30	0.0160		Pass

Modulation	Channel/ Frequency	Voltage	Temperatur e	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
WCDMA Band II							
RMC 12.2kbps	9400 / 1880.0	VL	TN	37	0.0197	N/A	Pass
		VN		44	0.0234		Pass
		VH		43	0.0229		Pass
		VN	50	33	0.0176		Pass
			40	24	0.0128		Pass
			30	34	0.0181		Pass
			20	16	0.0085		Pass
			10	26	0.0138		Pass
			0	18	0.0096		Pass
			-10	16	0.0085		Pass
			-20	22	0.0117		Pass
			-30	24	0.0128		Pass

Modulation	Channel/ Frequency	Voltage	Temperatur e	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(℃)	(Hz)	(ppm)	(ppm)	
WCDMA Band IV							
RMC 12.2kbps	1412 / 1732.4	VL	TN	37	0.0214	N/A	Pass
		VN		37	0.0214		Pass
		VH		29	0.0167		Pass
		VN	50	37	0.0214		Pass
			40	49	0.0283		Pass
			30	50	0.0289		Pass
			20	42	0.0242		Pass
			10	17	0.0098		Pass
			0	48	0.0277		Pass
			-10	30	0.0173		Pass
			-20	42	0.0242		Pass
			-30	32	0.0185		Pass

Modulation	Channel/ Frequency	Voltage	Temperatur e	Deviation	Deviation	Limit	Result
	(MHz)	(Vdc)	(°C)	(Hz)	(ppm)	(ppm)	
WCDMA Band V							
RMC 12.2kbps	4182 / 836.4	VL	TN	23	0.0275	± 2.5	Pass
		VN		35	0.0418	± 2.5	Pass
		VH		31	0.0371	± 2.5	Pass
		VN	50	34	0.0407	± 2.5	Pass
			40	36	0.0430	± 2.5	Pass
			30	27	0.0323	± 2.5	Pass
			20	41	0.0490	± 2.5	Pass
			10	41	0.0490	± 2.5	Pass
			0	28	0.0335	± 2.5	Pass
			-10	22	0.0263	± 2.5	Pass
			-20	34	0.0407	± 2.5	Pass
			-30	17	0.0203	± 2.5	Pass

APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

*** End of Report ***

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