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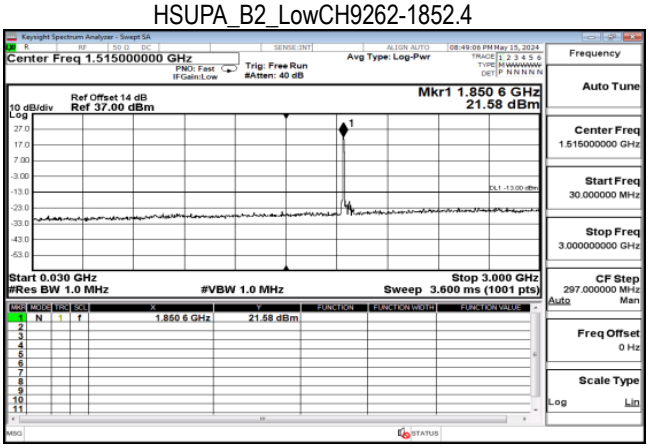
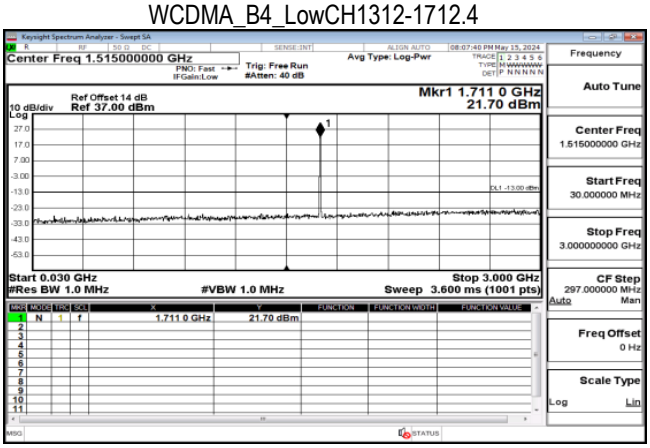


WCDMA_B4_LowCH1312-1712.4



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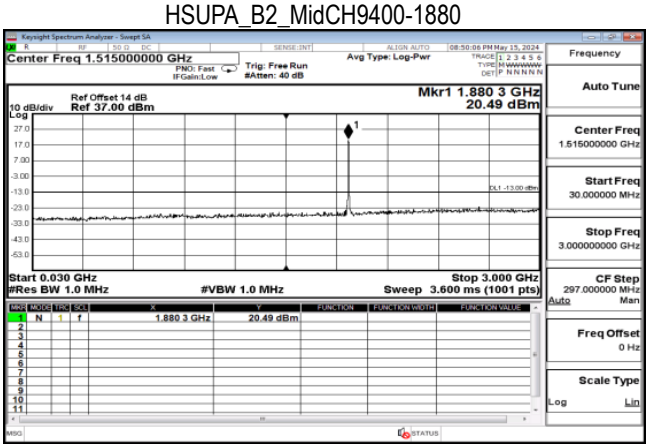
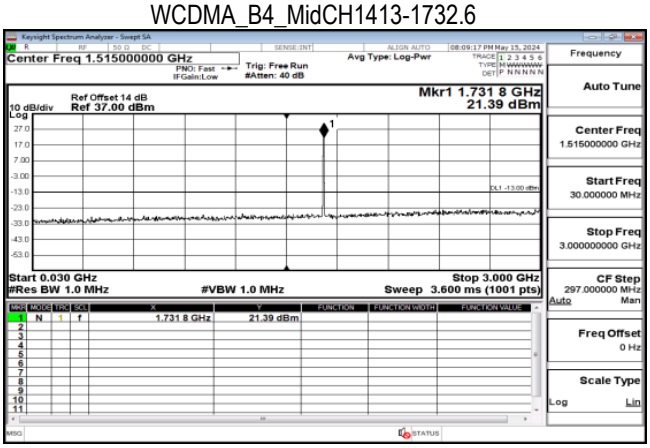


WCDMA_B4_MidCH1413-1732.6



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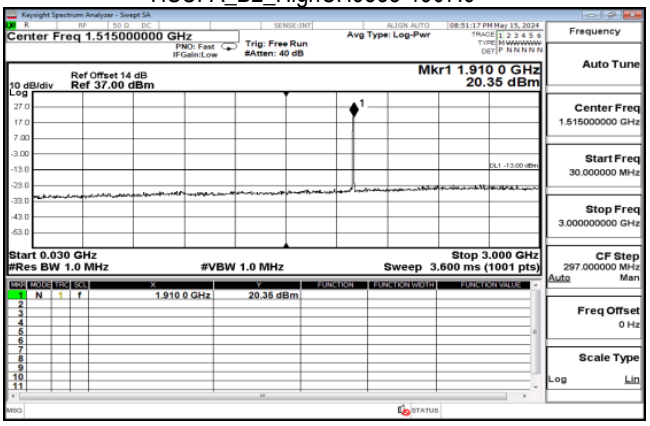

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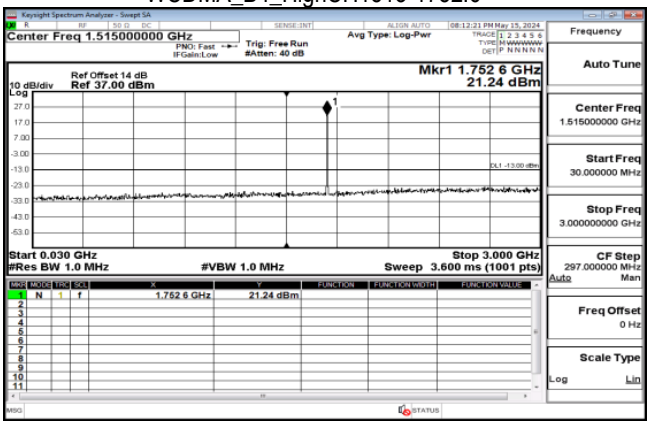
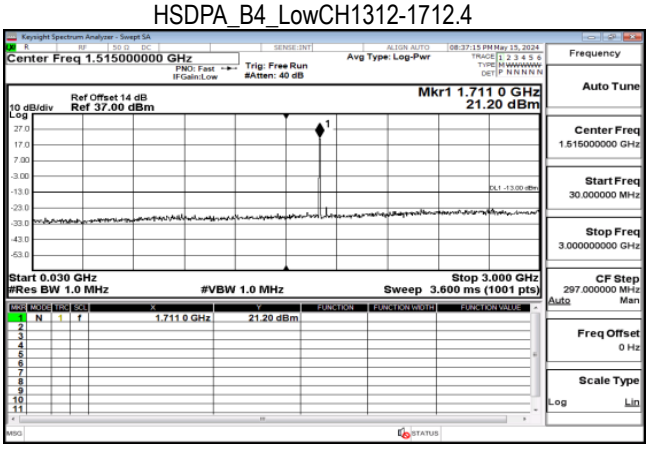


HSDPA_B4_LowCH1312-1712.4



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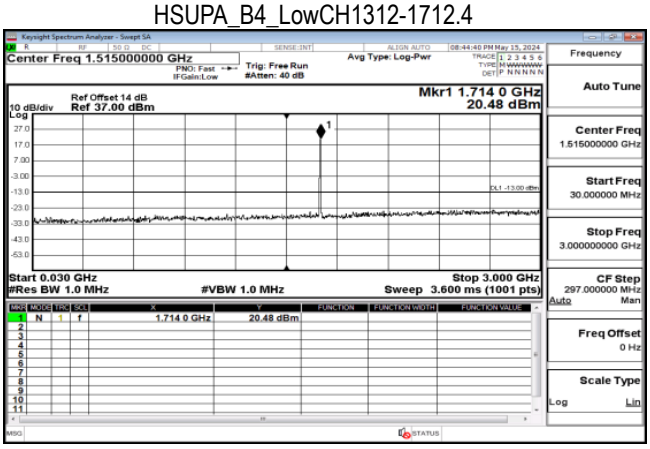

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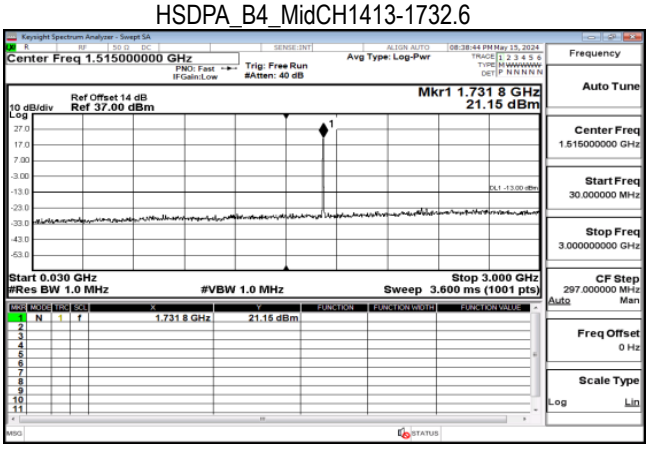

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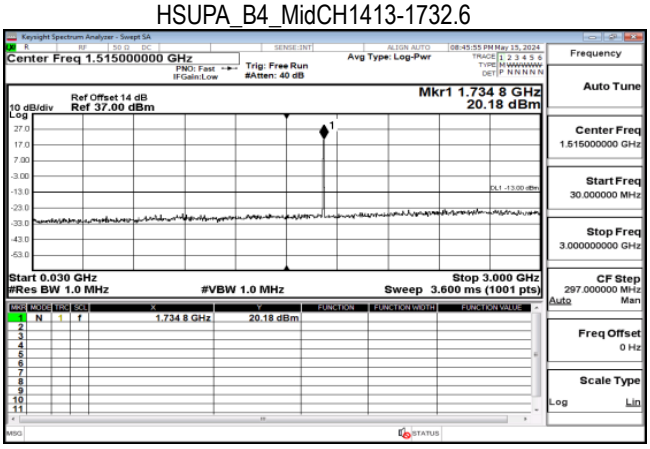

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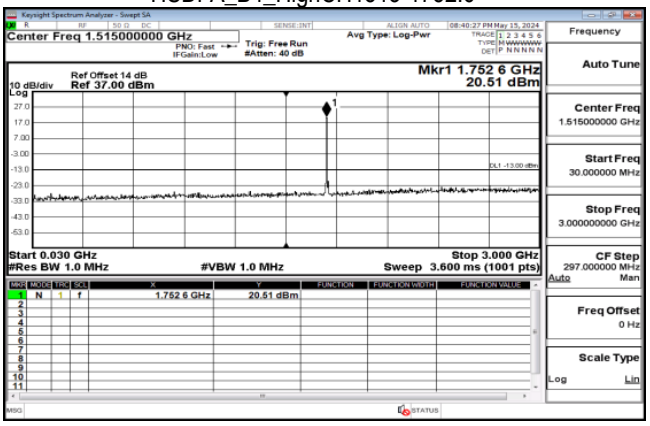

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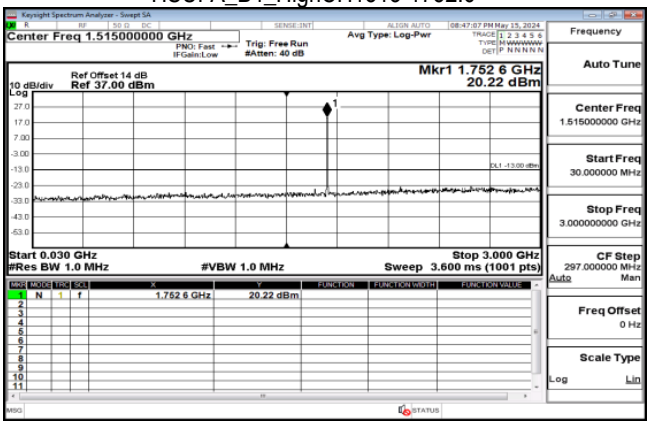
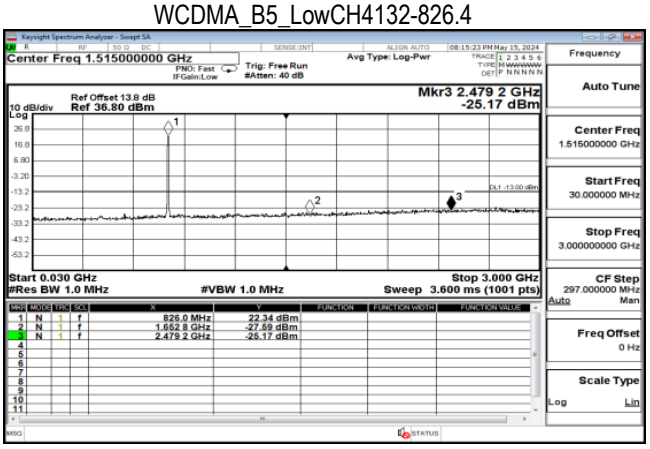


WCDMA_B5_LowCH4132-826.4



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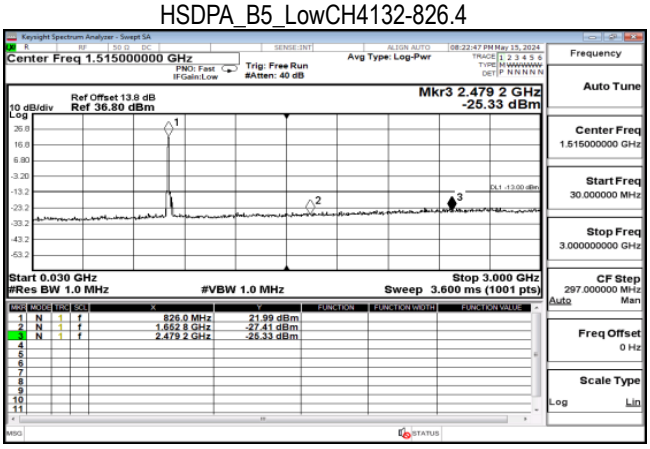
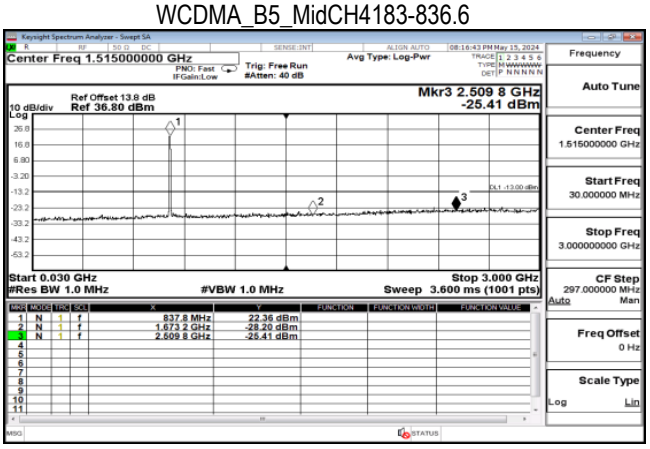


WCDMA_B5_MidCH4183-836.6



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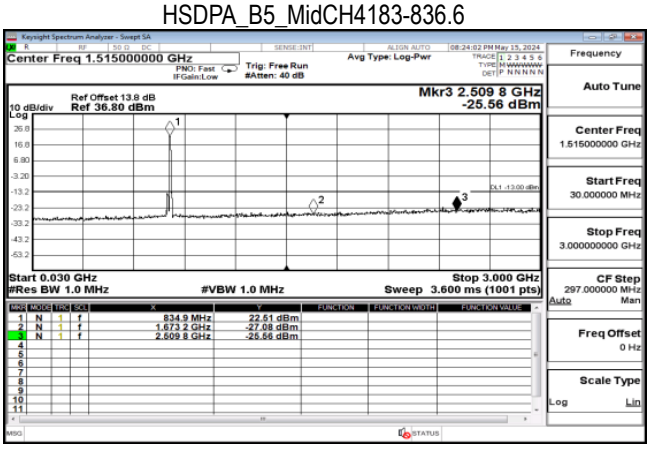
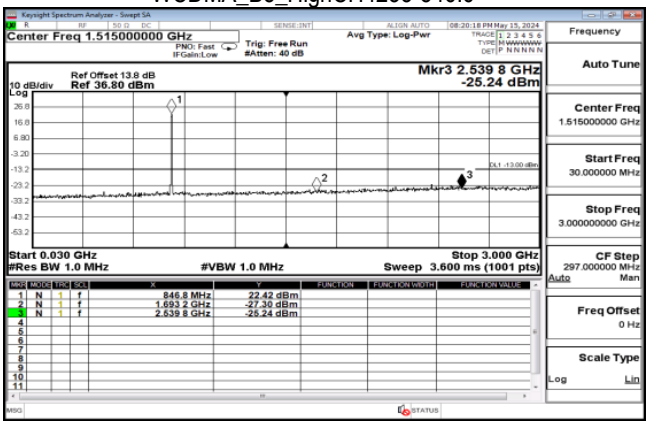


WCDMA_B5_HighCH4233-846.6



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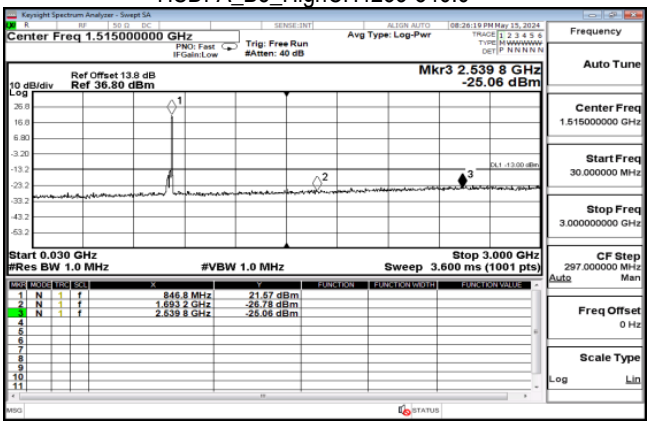
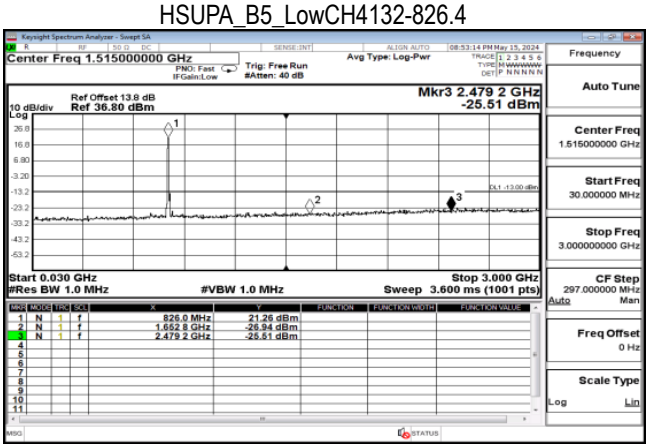
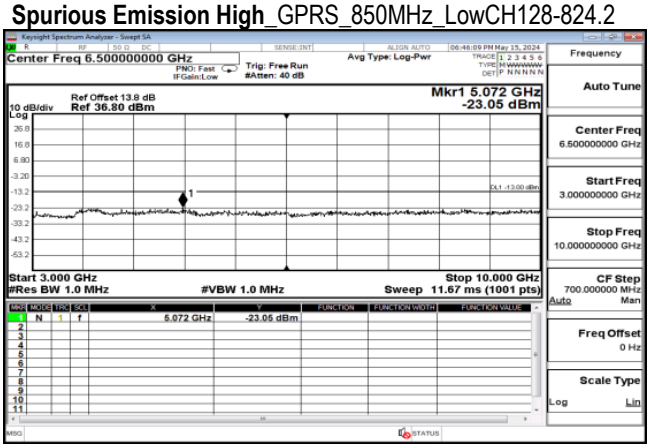


HSUPA_B5_LowCH4132-826.4



Spurious Emission High_GPRS_850MHz_LowCH128-824.2



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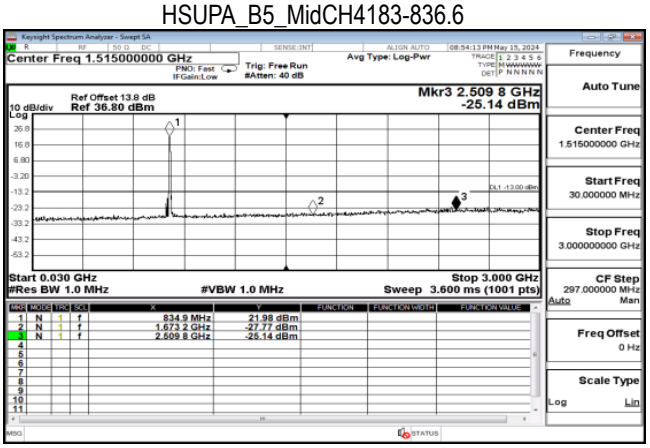
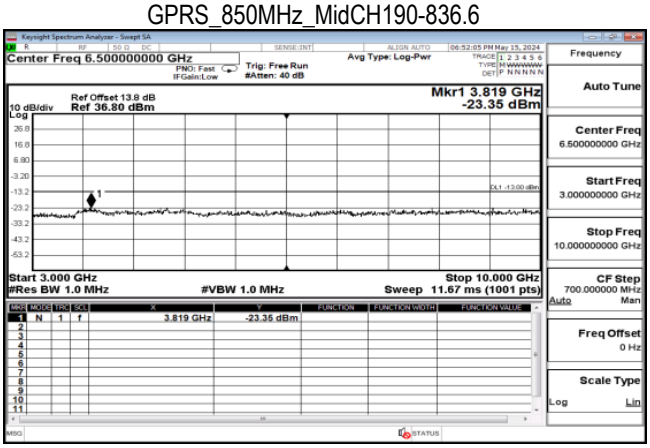


GPRS_850MHz_MidCH190-836.6



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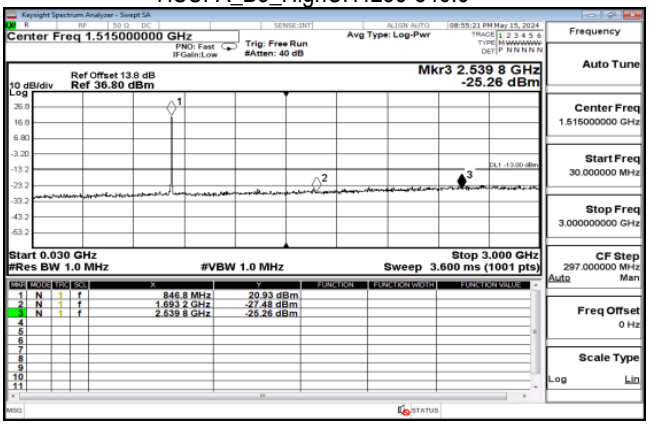
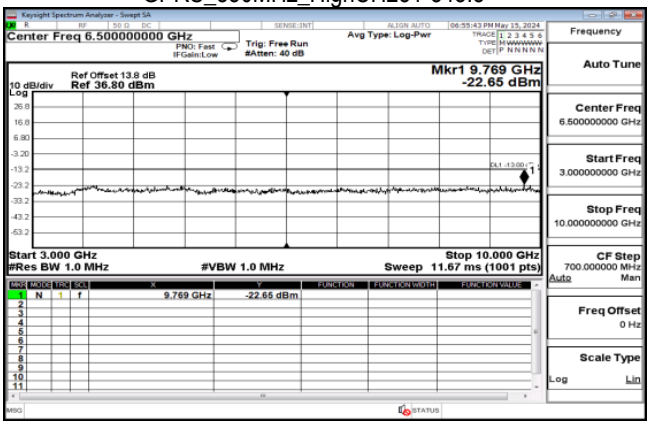
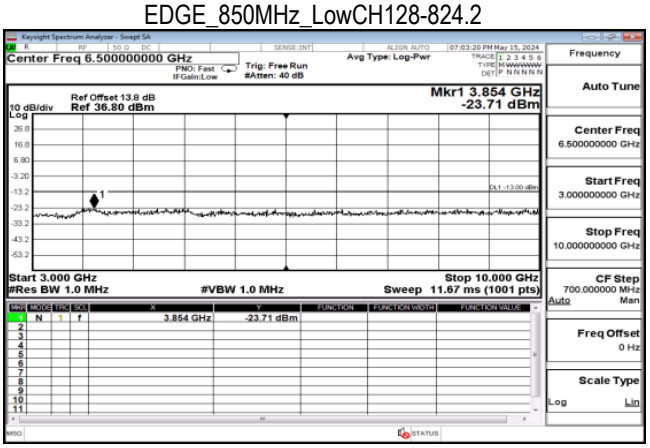


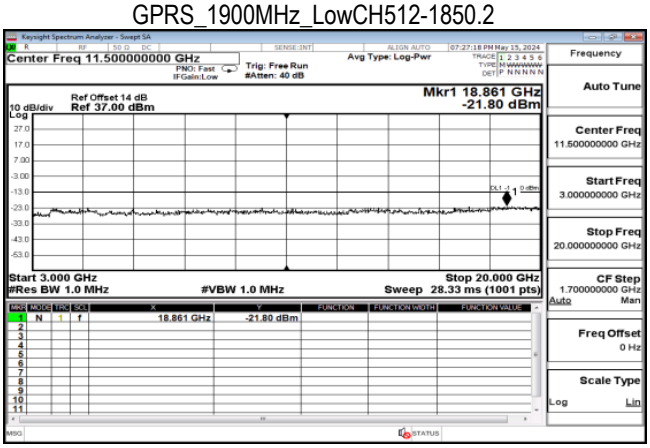
GPRS_850MHz_HighCH251-848.8



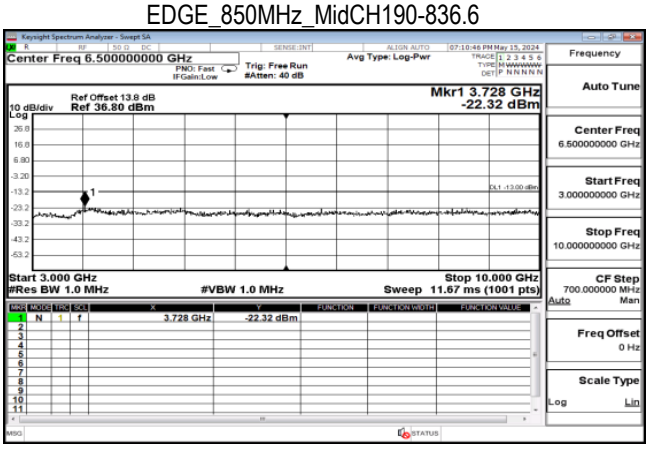
EDGE_850MHz_LowCH128-824.2



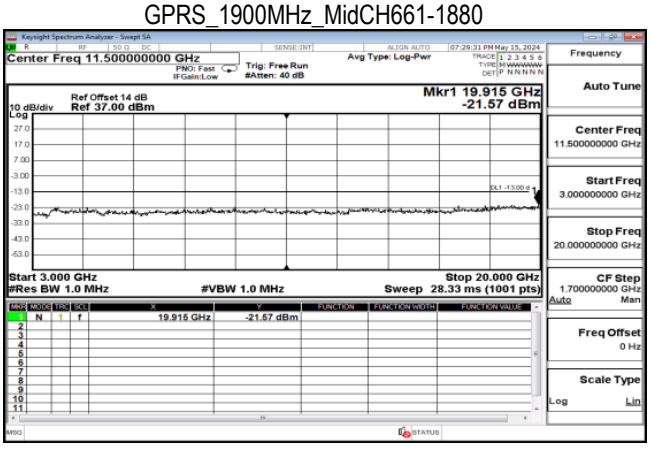
GPRS_1900MHz_LowCH512-1850.2



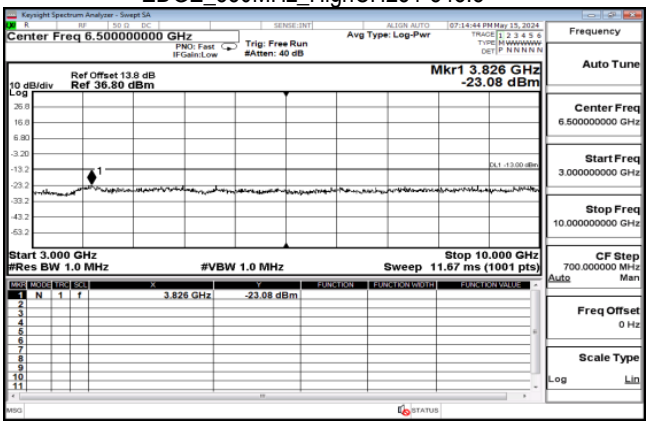
EDGE_850MHz_MidCH190-836.6



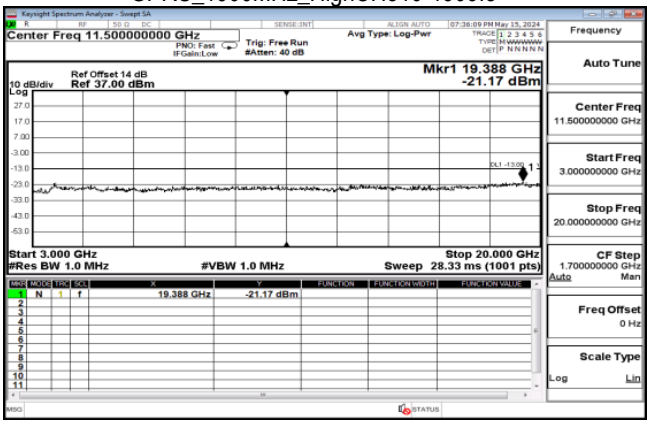
GPRS_1900MHz_MidCH661-1880



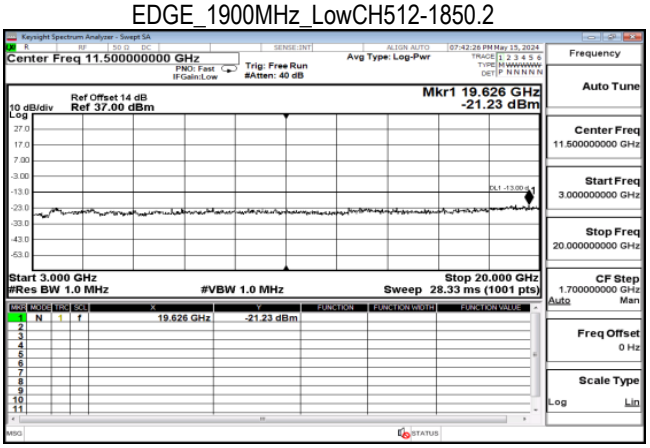
EDGE_850MHz_HighCH251-848.8



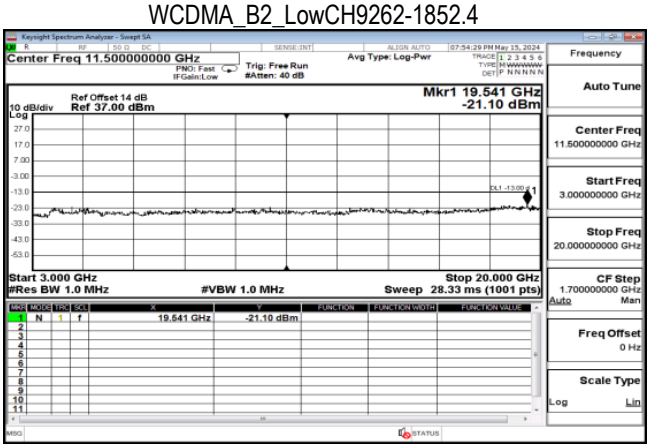
GPRS_1900MHz_HighCH810-1909.8



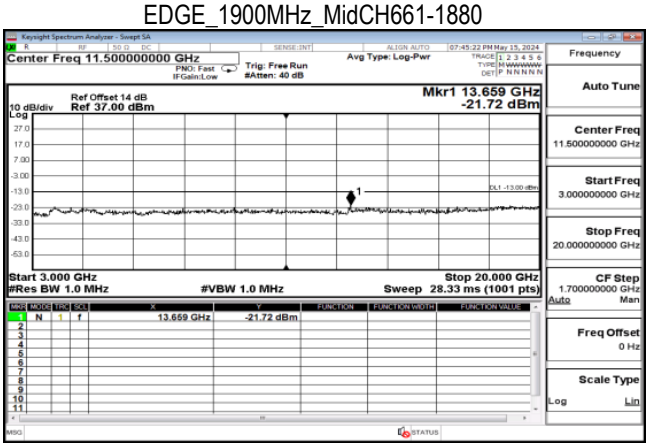
EDGE_1900MHz_LowCH512-1850.2



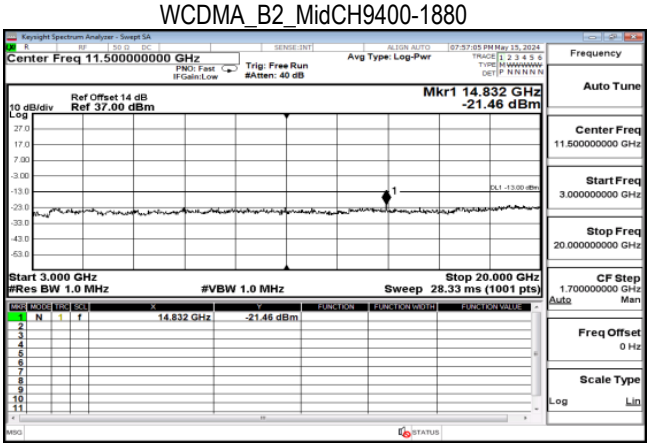
WCDMA_B2_LowCH9262-1852.4



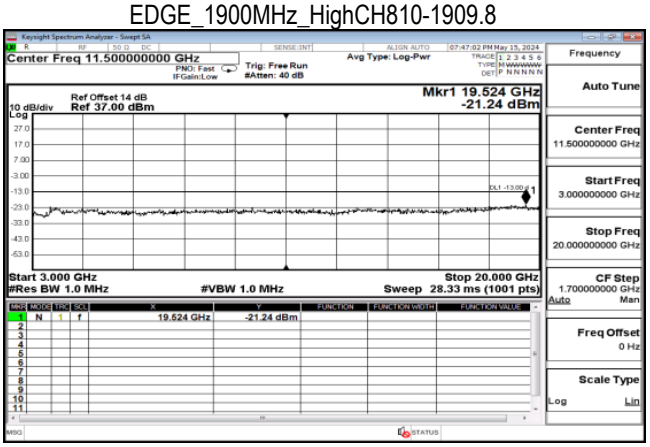
EDGE_1900MHz_MidCH661-1880



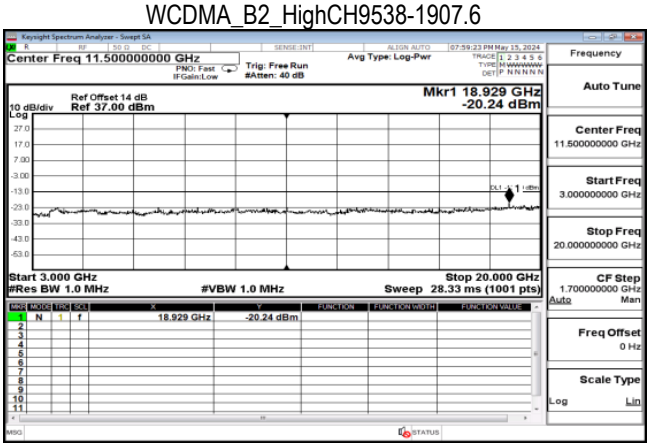
WCDMA_B2_MidCH9400-1880



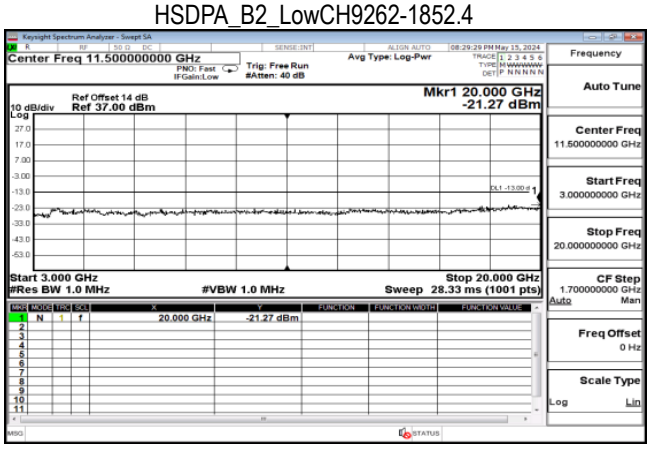
EDGE_1900MHz_HighCH810-1909.8



WCDMA_B2_HighCH9538-1907.6



HSDPA_B2_LowCH9262-1852.4



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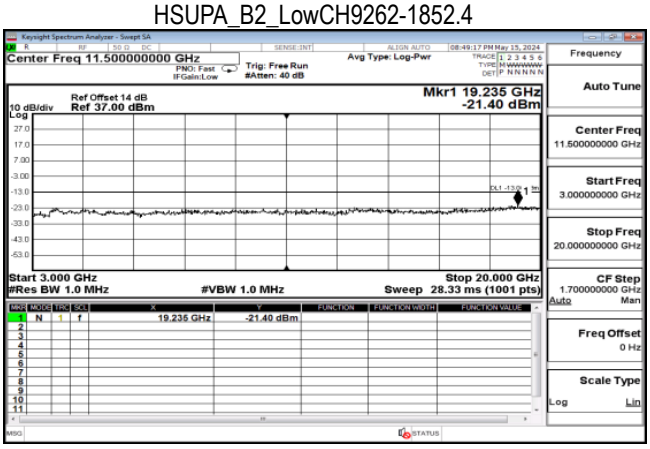
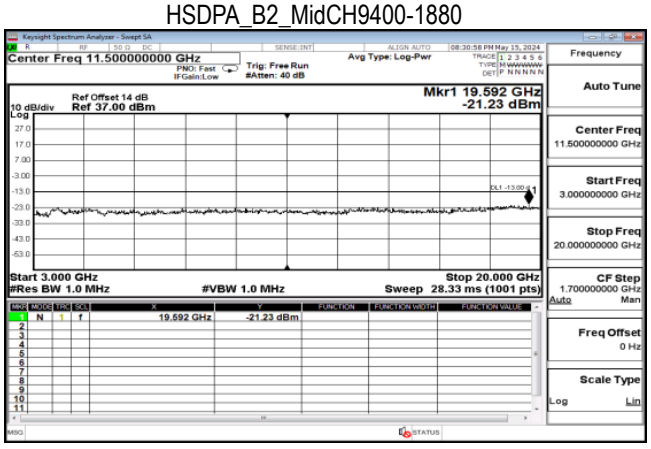


HSDPA_B2_MidCH9400-1880



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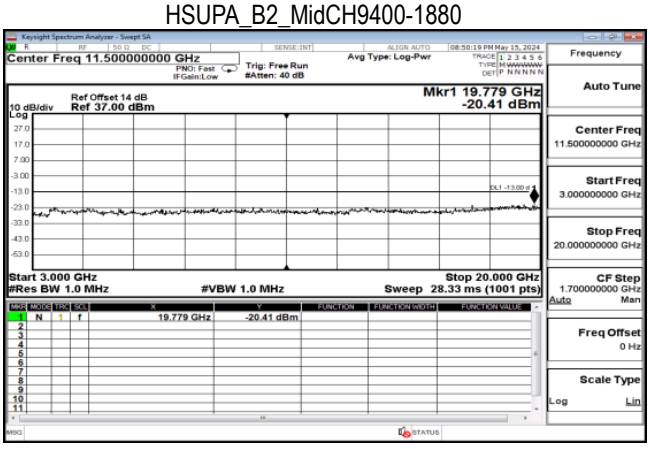

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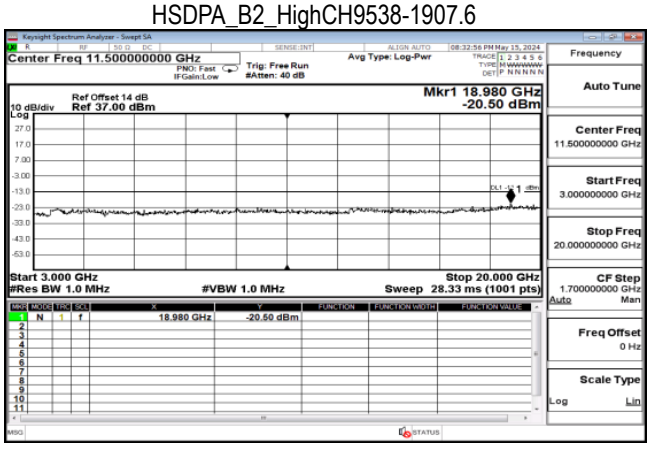

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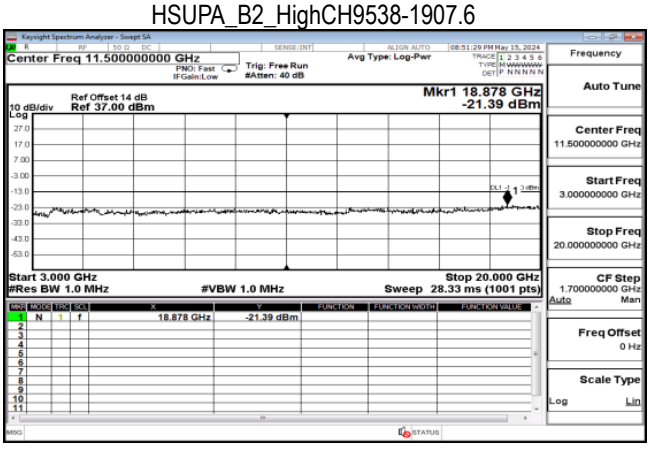
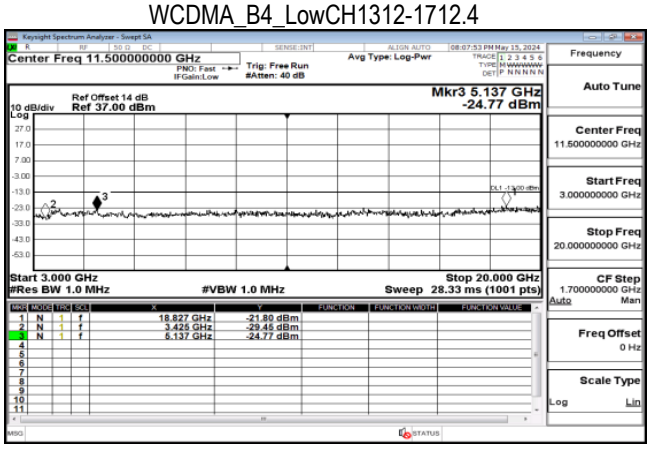


WCDMA_B4_LowCH1312-1712.4



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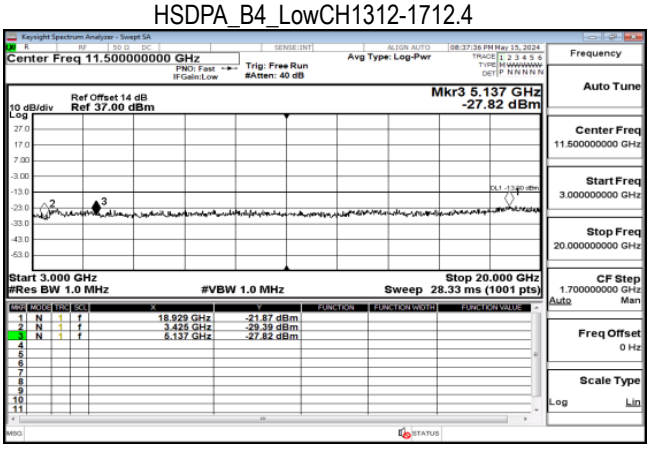
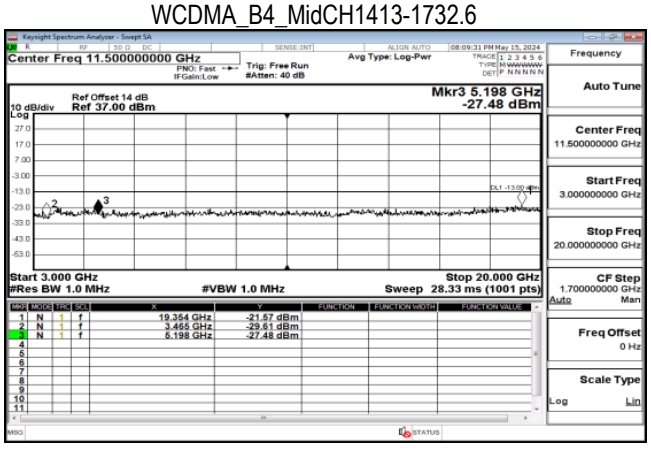


WCDMA_B4_MidCH1413-1732.6



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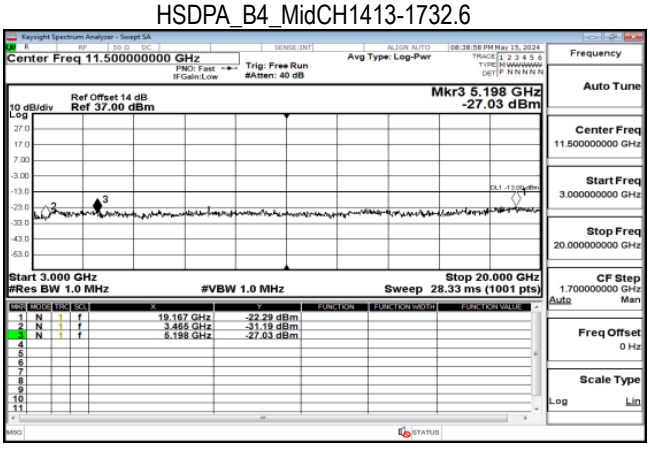
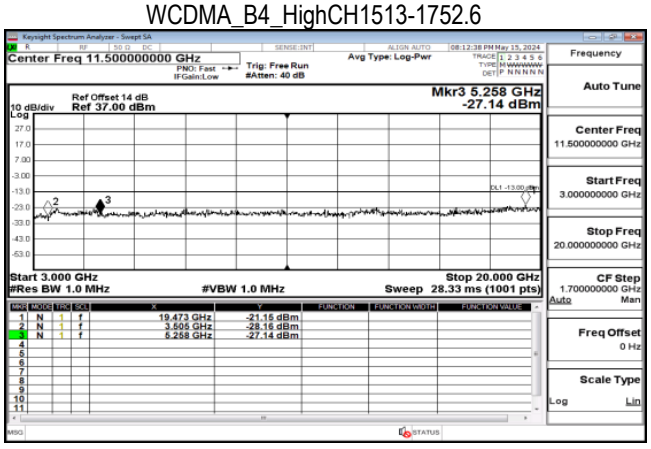


WCDMA_B4_HighCH1513-1752.6



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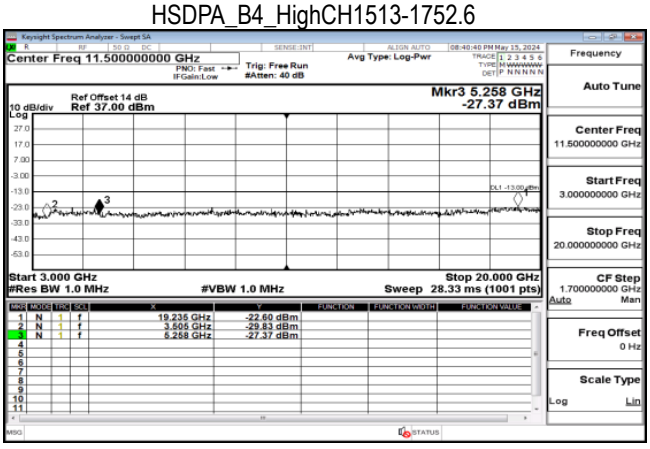

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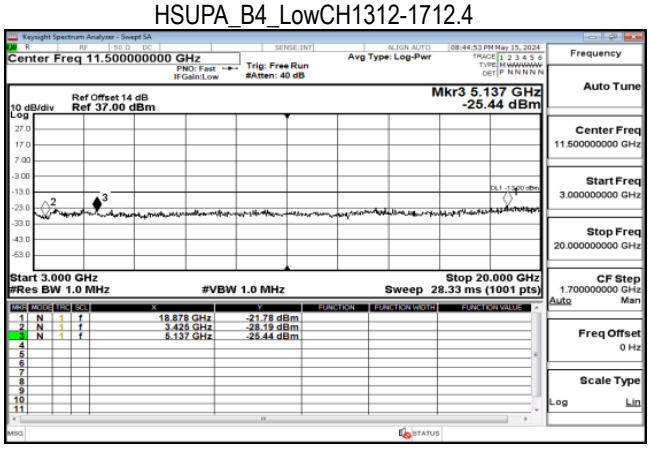
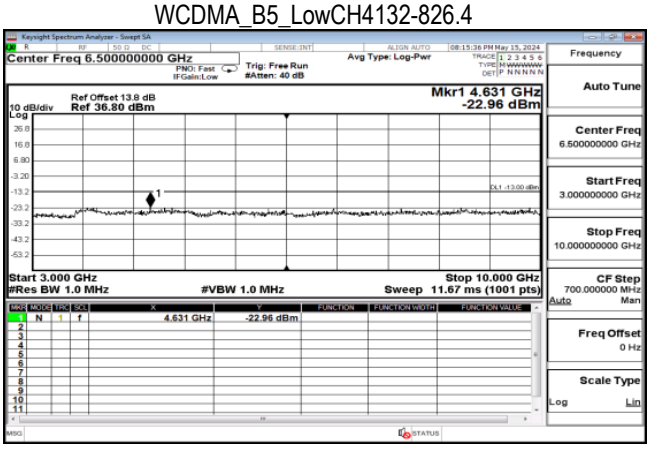


WCDMA_B5_LowCH4132-826.4



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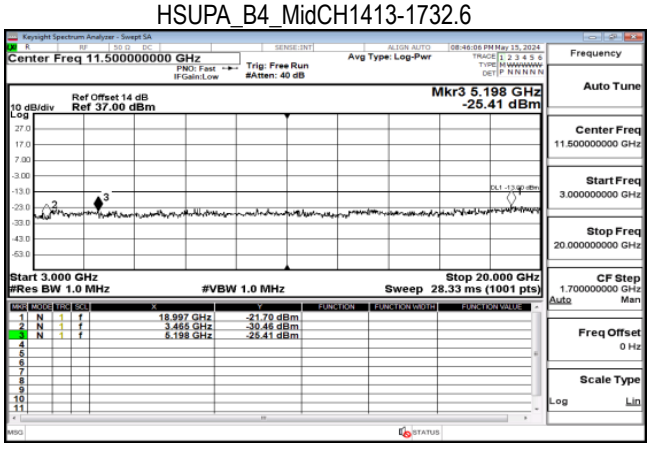

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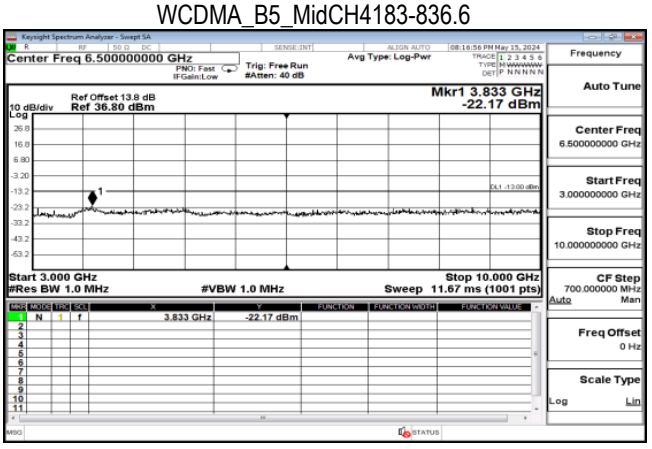

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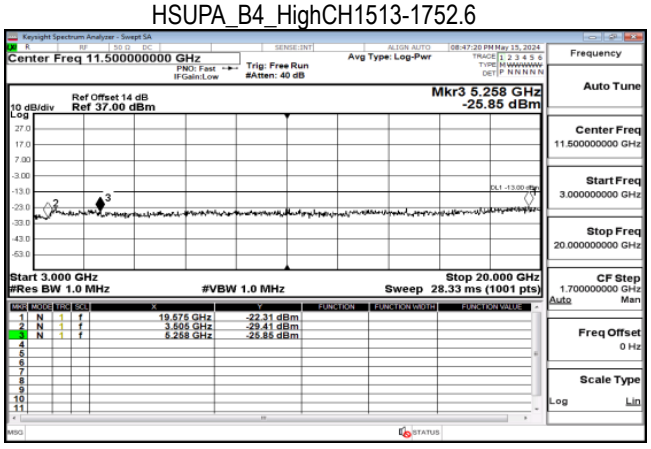
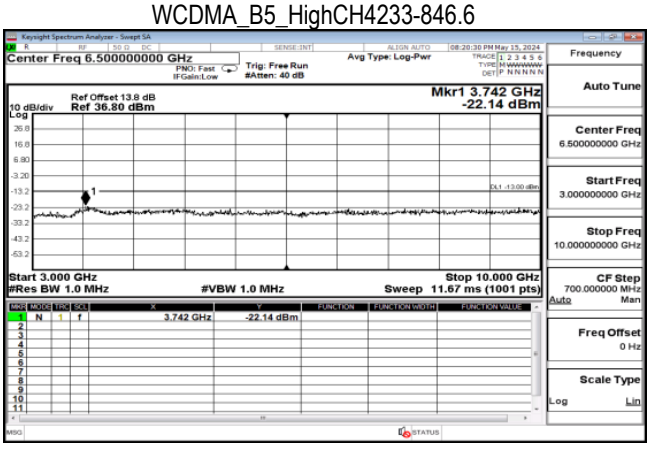


WCDMA_B5_HighCH4233-846.6



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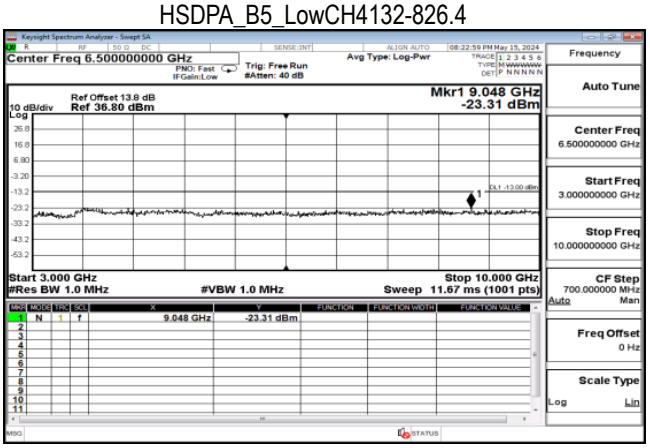

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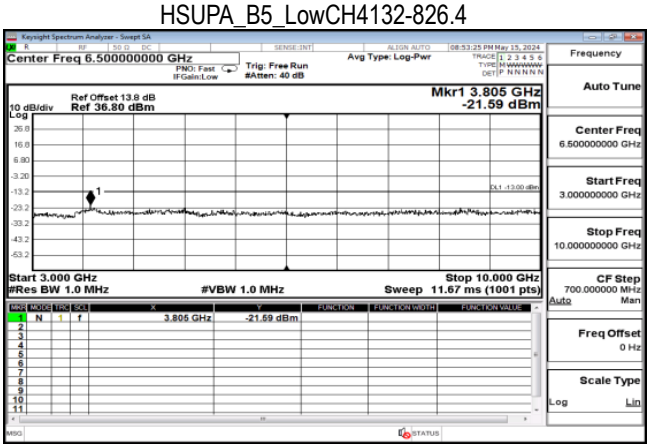

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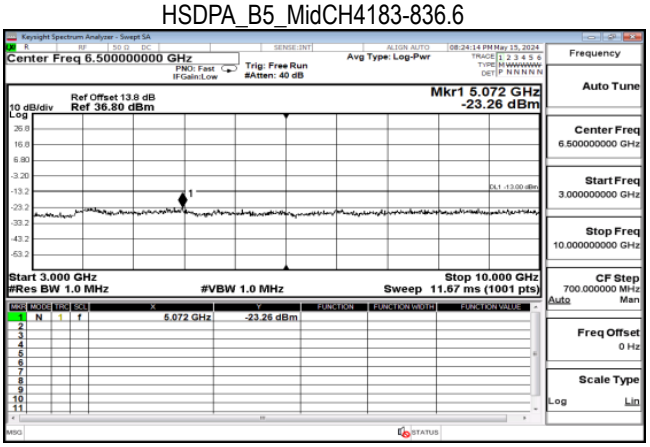
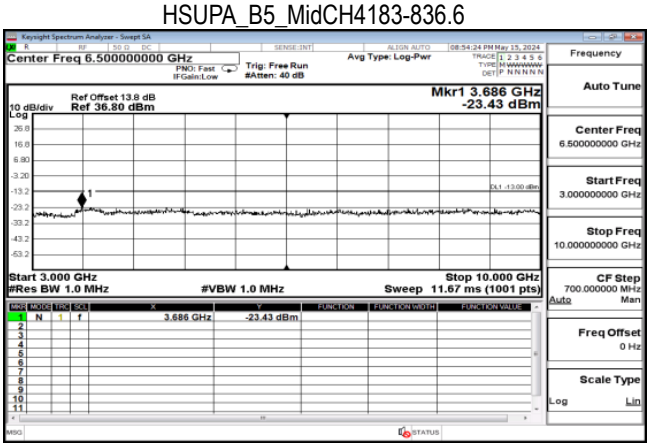
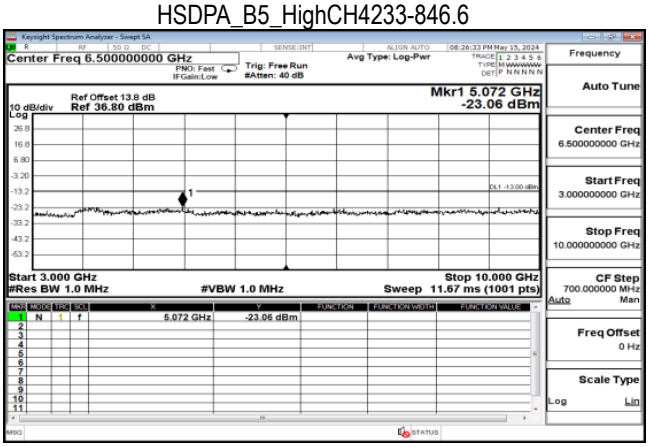


HSUPA_B5_MidCH4183-836.6



HSDPA_B5_HighCH4233-846.6



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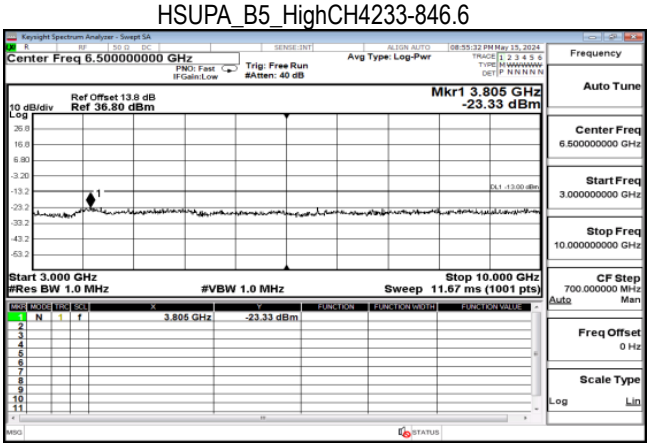


11 FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

11.1 Standard Applicable

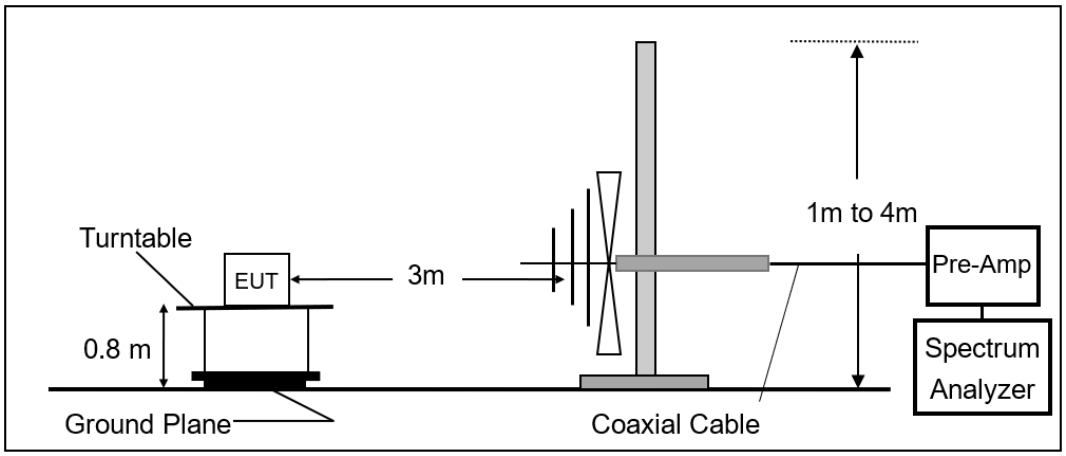
According to FCC §2.1053,

FCC §22.917(a), §24.238(a), §27.53(h) and RSS-132 §5.5, RSS-133 §6.5.1, RSS-139 §5.6

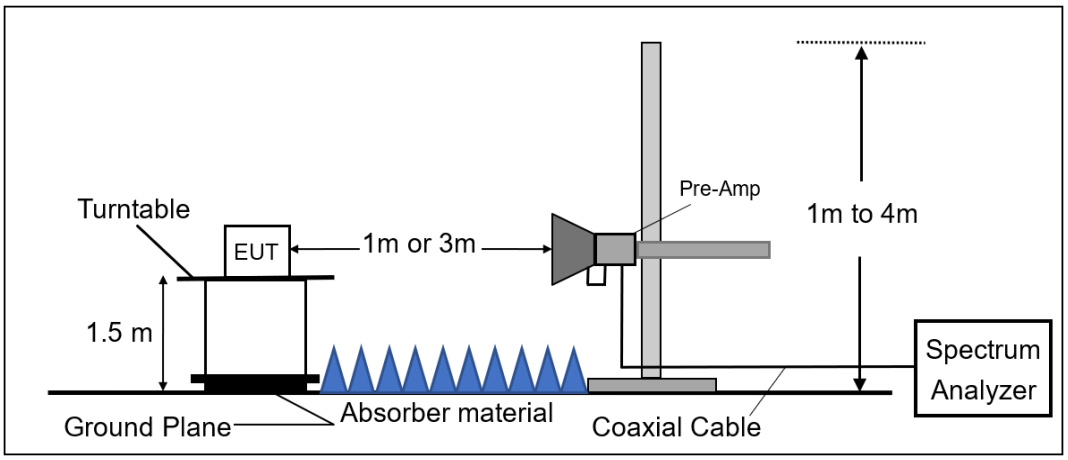
Out of band emissions.The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

11.2 EUT Setup

Radiated Emission Test Set-Up, Frequency From 30MHz to 1000MHz.



Radiated Emission Test Set-Up, Frequency Above 1GHz.



11.3 Measurement Procedure:

The EUT was placed on a non-conductive; the measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequencies (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

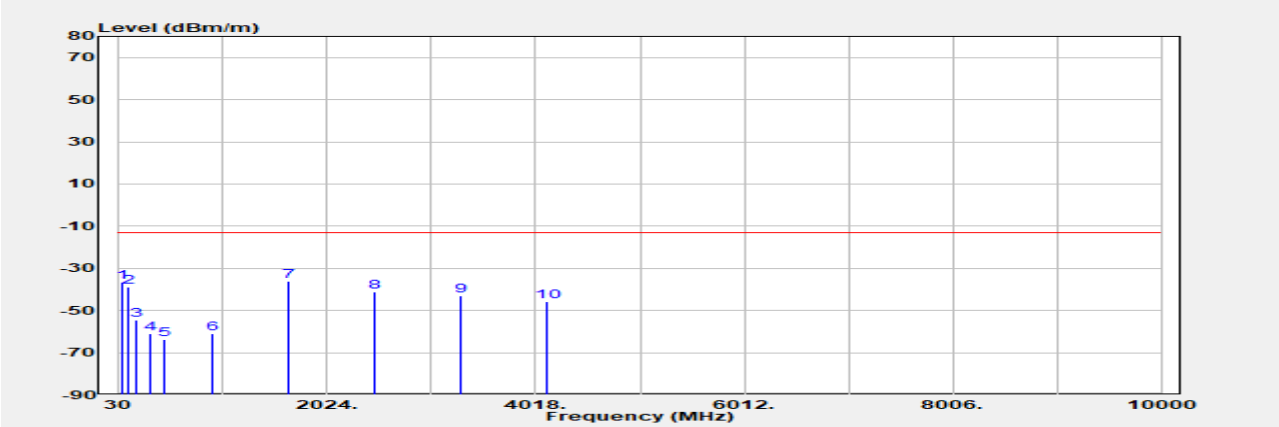
The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

ERP (dBm) = SG Level(dBm) + Antenna Gain(dBd) + Cable Loss(dB)

EIRP (dBm) = SG Level(dBm) + Antenna Gain(dBi) + Cable Loss(dB)

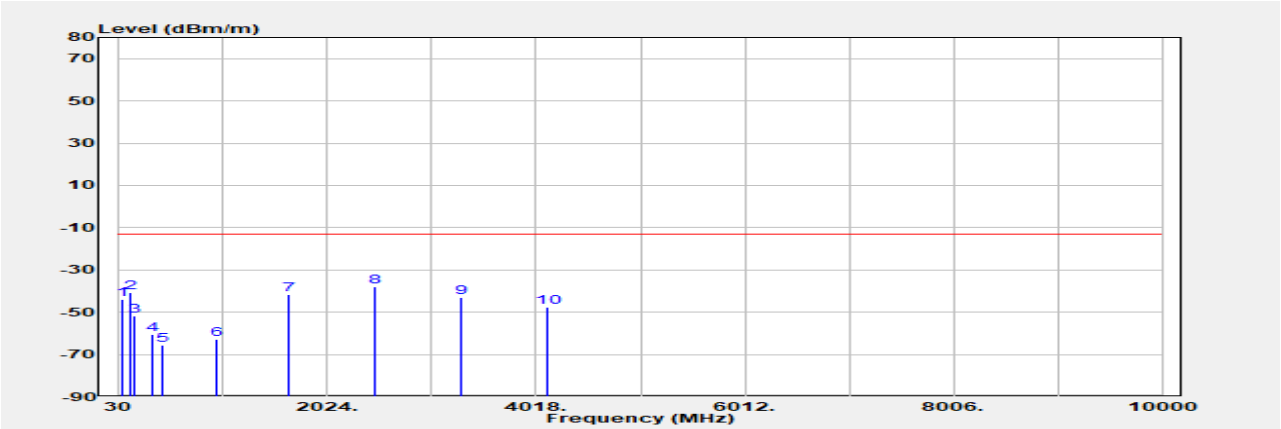
11.4 Measurement Result:

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 850	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:824.2 MHz	Engineer	:Andy Lee



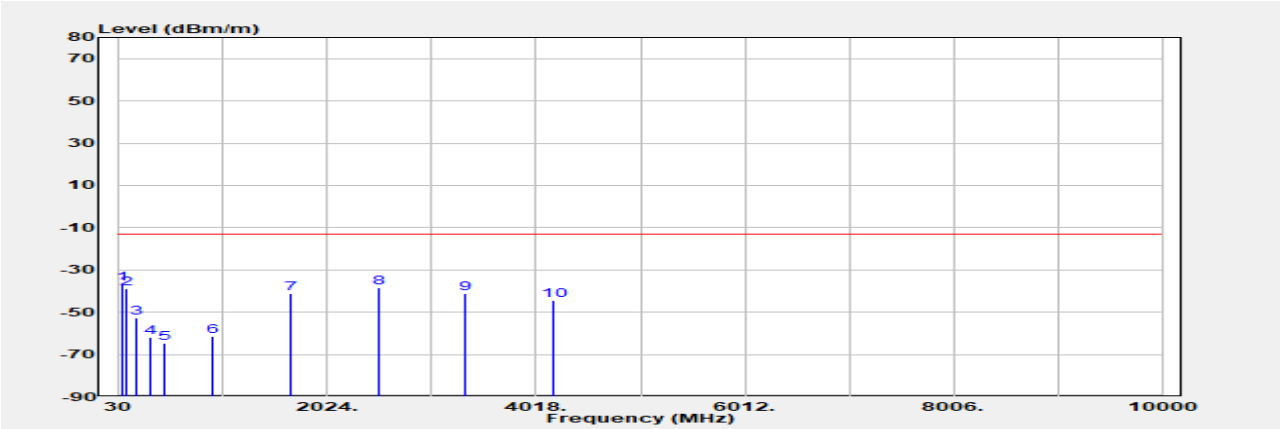
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.46	-24.77	-10.75	-0.94	-13.00	-23.46
109.540	-38.85	-36.10	-1.42	-1.33	-13.00	-25.85
187.140	-54.34	-55.06	2.45	-1.73	-13.00	-41.34
324.880	-61.15	-62.91	4.02	-2.26	-13.00	-48.15
461.650	-63.56	-64.85	4.00	-2.71	-13.00	-50.56
916.580	-61.02	-60.93	3.69	-3.78	-13.00	-48.02
1648.400	-36.14	-40.59	9.50	-5.05	-13.00	-23.14
2472.600	-41.06	-45.32	10.50	-6.24	-13.00	-28.06
3296.800	-42.84	-47.93	12.26	-7.17	-13.00	-29.84
4121.000	-45.65	-50.10	12.56	-8.11	-13.00	-32.65

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 850	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:824.2 MHz	Engineer	:Andy Lee



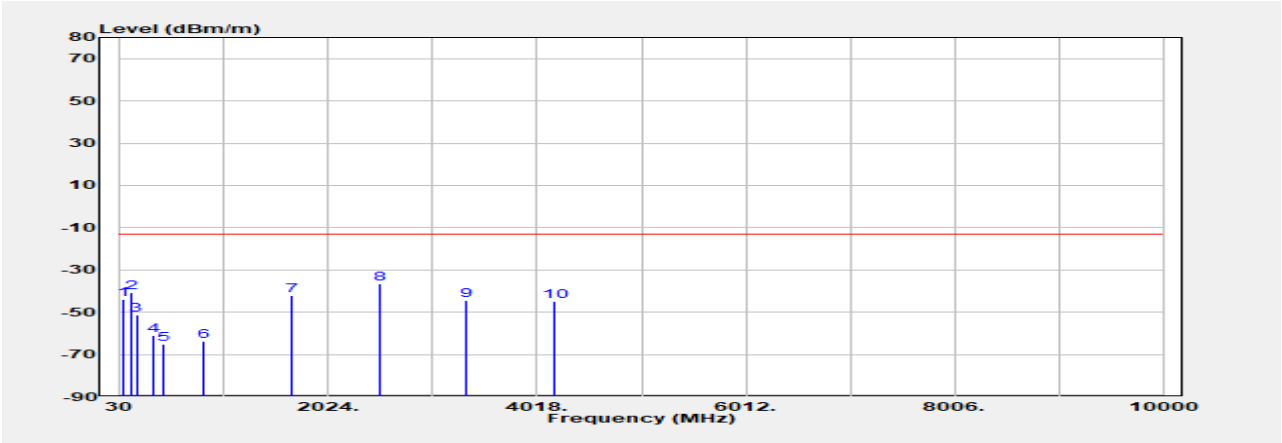
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-43.89	-32.20	-10.75	-0.94	-13.00	-30.89
133.790	-40.74	-37.70	-1.57	-1.47	-13.00	-27.74
183.260	-51.69	-51.73	1.77	-1.73	-13.00	-38.69
349.130	-60.70	-62.80	4.44	-2.34	-13.00	-47.70
441.280	-65.81	-67.11	3.95	-2.65	-13.00	-52.81
965.080	-62.79	-62.39	3.47	-3.87	-13.00	-49.79
1648.400	-41.52	-45.97	9.50	-5.05	-13.00	-28.52
2472.600	-37.89	-42.15	10.50	-6.24	-13.00	-24.89
3296.800	-42.82	-47.91	12.26	-7.17	-13.00	-29.82
4121.000	-47.55	-52.00	12.56	-8.11	-13.00	-34.55

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 850	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:836.6 MHz	Engineer	:Andy Lee



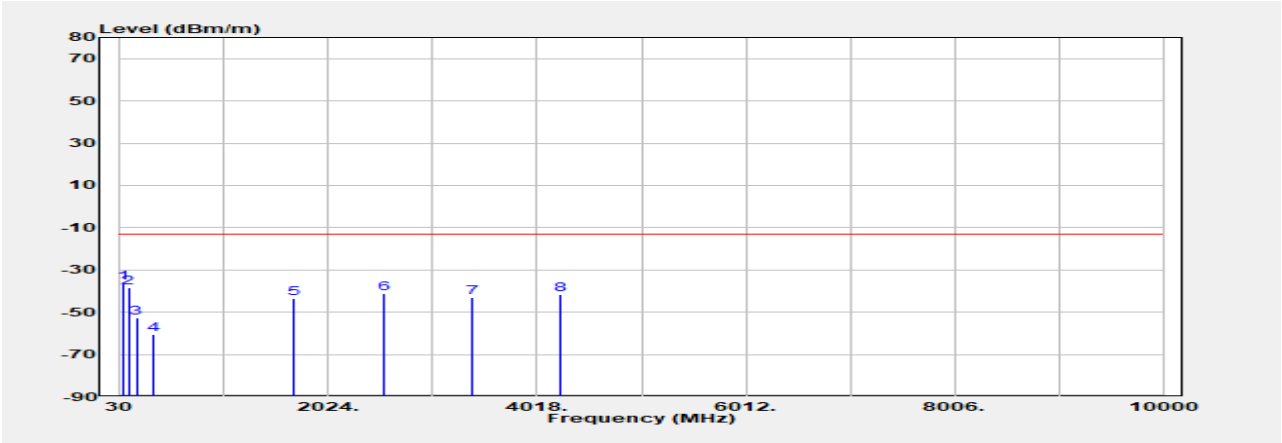
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.33	-24.64	-10.75	-0.94	-13.00	-23.33
107.600	-38.71	-36.16	-1.24	-1.31	-13.00	-25.71
187.140	-52.78	-53.50	2.45	-1.73	-13.00	-39.78
322.940	-62.02	-63.80	4.04	-2.26	-13.00	-49.02
461.650	-64.44	-65.73	4.00	-2.71	-13.00	-51.44
914.640	-61.52	-61.44	3.70	-3.78	-13.00	-48.52
1673.200	-41.13	-45.89	9.83	-5.07	-13.00	-28.13
2509.800	-38.22	-42.54	10.60	-6.28	-13.00	-25.22
3346.400	-41.33	-46.67	12.58	-7.24	-13.00	-28.33
4183.000	-44.26	-48.68	12.63	-8.21	-13.00	-31.26

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 850	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:836.6 MHz	Engineer	:Andy Lee



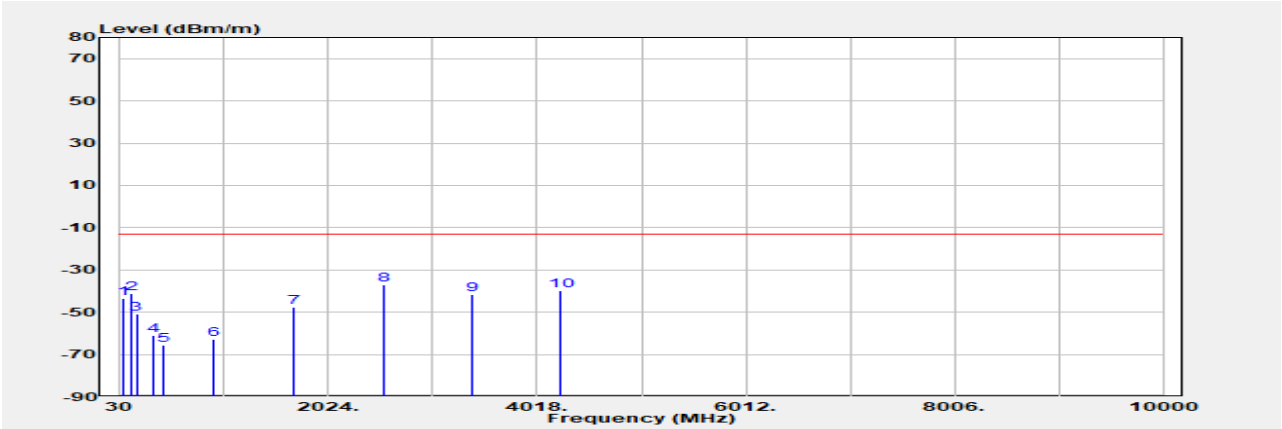
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-43.92	-32.23	-10.75	-0.94	-13.00	-30.92
133.790	-40.79	-37.75	-1.57	-1.47	-13.00	-27.79
185.200	-51.08	-51.51	2.17	-1.74	-13.00	-38.08
350.100	-60.90	-63.02	4.46	-2.34	-13.00	-47.90
441.280	-65.03	-66.33	3.95	-2.65	-13.00	-52.03
828.310	-63.71	-63.85	3.74	-3.60	-13.00	-50.71
1673.200	-41.97	-46.73	9.83	-5.07	-13.00	-28.97
2509.800	-36.45	-40.77	10.60	-6.28	-13.00	-23.45
3346.400	-44.58	-49.92	12.58	-7.24	-13.00	-31.58
4183.000	-44.67	-49.09	12.63	-8.21	-13.00	-31.67

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 850	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:848.8 MHz	Engineer	:Andy Lee



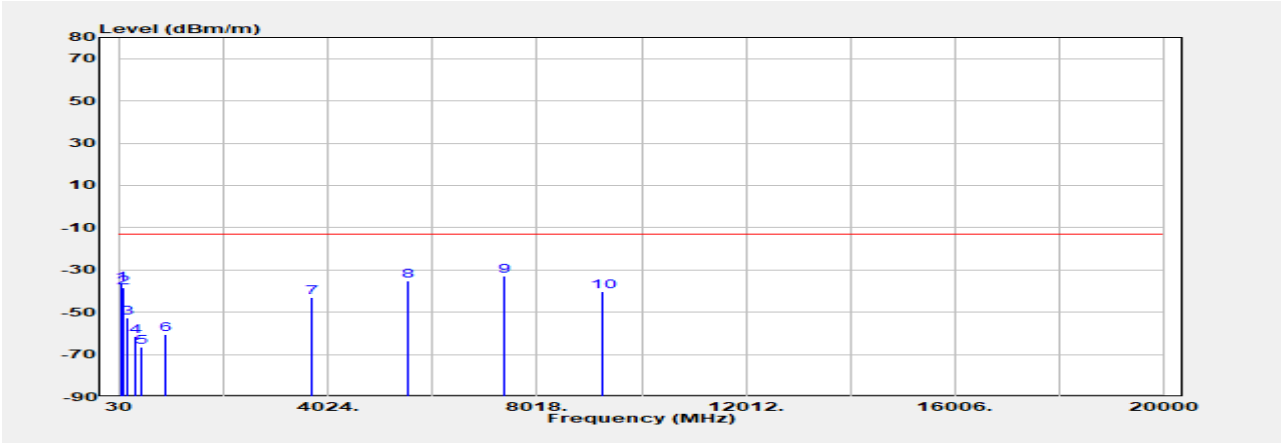
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.19	-24.50	-10.75	-0.94	-13.00	-23.19
108.570	-38.40	-35.65	-1.43	-1.32	-13.00	-25.40
185.200	-52.66	-53.09	2.17	-1.74	-13.00	-39.66
340.400	-60.73	-62.65	4.22	-2.30	-13.00	-47.73
1697.600	-43.58	-48.46	9.98	-5.10	-13.00	-30.58
2546.400	-41.12	-45.43	10.66	-6.35	-13.00	-28.12
3395.200	-42.89	-48.16	12.60	-7.33	-13.00	-29.89
4244.000	-41.64	-46.00	12.61	-8.25	-13.00	-28.64

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 850	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:848.8 MHz	Engineer	:Andy Lee



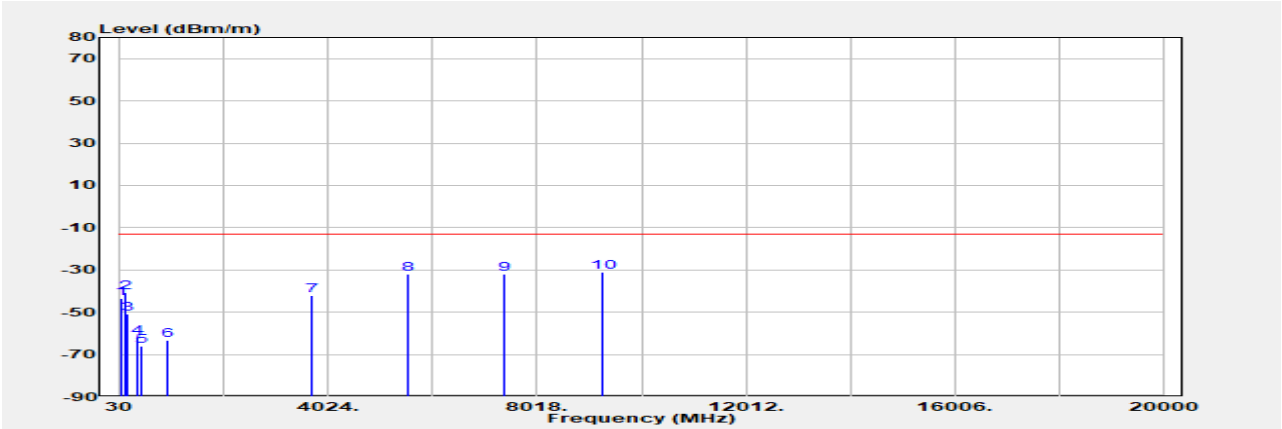
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-43.59	-31.90	-10.75	-0.94	-13.00	-30.59
134.760	-41.17	-38.10	-1.60	-1.47	-13.00	-28.17
185.200	-50.89	-51.32	2.17	-1.74	-13.00	-37.89
351.070	-60.81	-62.93	4.46	-2.34	-13.00	-47.81
449.040	-65.80	-67.06	3.94	-2.68	-13.00	-52.80
918.520	-63.04	-62.92	3.67	-3.79	-13.00	-50.04
1697.600	-47.40	-52.28	9.98	-5.10	-13.00	-34.40
2546.400	-37.19	-41.50	10.66	-6.35	-13.00	-24.19
3395.200	-41.47	-46.74	12.60	-7.33	-13.00	-28.47
4244.000	-39.58	-43.94	12.61	-8.25	-13.00	-26.58

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 1900	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:1850.2 MHz	Engineer	:Andy Lee



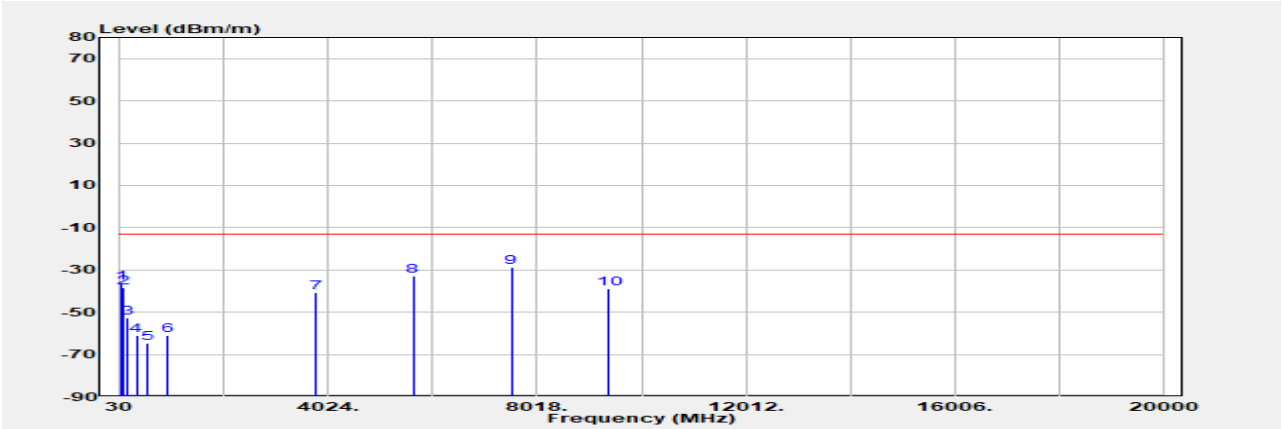
Freq.	EIRP/ERP	SG Output Level	Antenna Gain	Cable Loss	Limit	Margin
MHz	dBm	dBm	dBi/dBd	dB	dBm	dB
54.250	-36.56	-24.87	-10.75	-0.94	-13.00	-23.56
109.540	-38.38	-35.63	-1.42	-1.33	-13.00	-25.38
186.170	-52.61	-53.26	2.38	-1.73	-13.00	-39.61
336.520	-61.45	-63.27	4.12	-2.30	-13.00	-48.45
430.610	-66.50	-67.83	3.95	-2.62	-13.00	-53.50
916.580	-60.62	-60.53	3.69	-3.78	-13.00	-47.62
3700.400	-43.04	-48.02	12.60	-7.62	-13.00	-30.04
5550.600	-34.96	-38.69	13.20	-9.47	-13.00	-21.96
7400.800	-32.95	-33.08	11.10	-10.97	-13.00	-19.95
9251.000	-40.41	-39.22	11.20	-12.39	-13.00	-27.41

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 1900	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:1850.2 MHz	Engineer	:Andy Lee



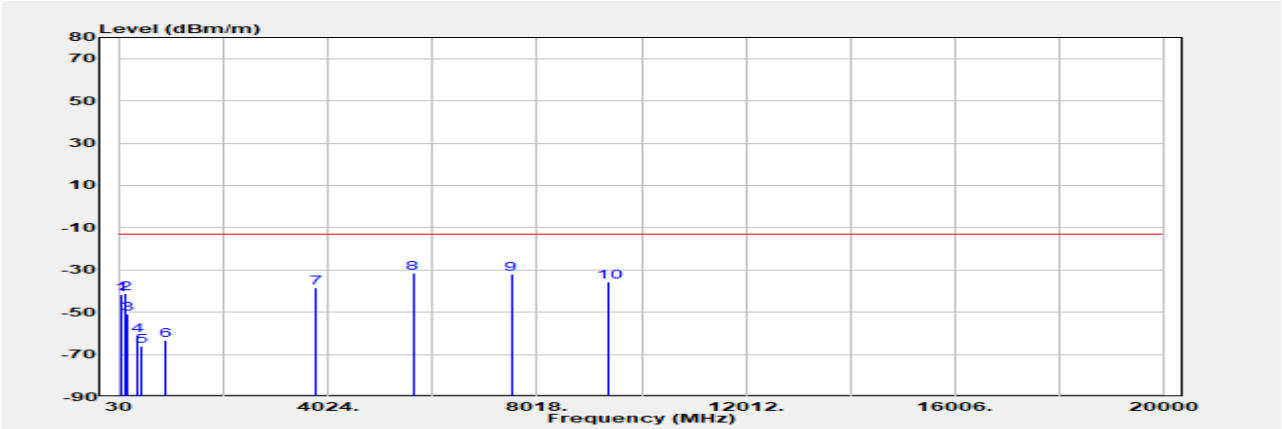
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-43.56	-31.87	-10.75	-0.94	-13.00	-30.56
134.760	-40.93	-37.86	-1.60	-1.47	-13.00	-27.93
185.200	-50.87	-51.30	2.17	-1.74	-13.00	-37.87
350.100	-62.04	-64.16	4.46	-2.34	-13.00	-49.04
442.250	-66.05	-67.35	3.95	-2.65	-13.00	-53.05
920.460	-63.43	-63.29	3.65	-3.79	-13.00	-50.43
3700.400	-42.23	-47.21	12.60	-7.62	-13.00	-29.23
5550.600	-32.07	-35.80	13.20	-9.47	-13.00	-19.07
7400.800	-31.81	-31.94	11.10	-10.97	-13.00	-18.81
9251.000	-30.95	-29.76	11.20	-12.39	-13.00	-17.95

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 1900	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:1880 MHz	Engineer	:Andy Lee



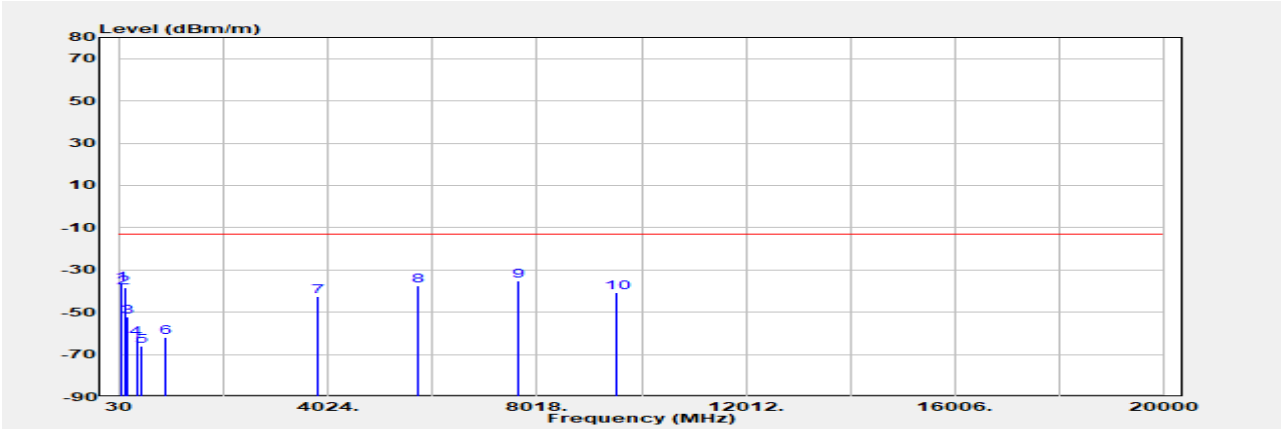
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.12	-24.43	-10.75	-0.94	-13.00	-23.12
109.540	-38.52	-35.77	-1.42	-1.33	-13.00	-25.52
185.200	-52.53	-52.96	2.17	-1.74	-13.00	-39.53
342.340	-61.08	-63.03	4.27	-2.32	-13.00	-48.08
539.250	-64.72	-66.03	4.23	-2.92	-13.00	-51.72
921.430	-61.01	-60.86	3.64	-3.79	-13.00	-48.01
3760.000	-40.56	-45.30	12.46	-7.72	-13.00	-27.56
5640.000	-32.68	-36.63	13.48	-9.53	-13.00	-19.68
7520.000	-28.54	-28.57	11.14	-11.11	-13.00	-15.54
9400.000	-38.87	-38.00	11.60	-12.47	-13.00	-25.87

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 1900	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:1880 MHz	Engineer	:Andy Lee



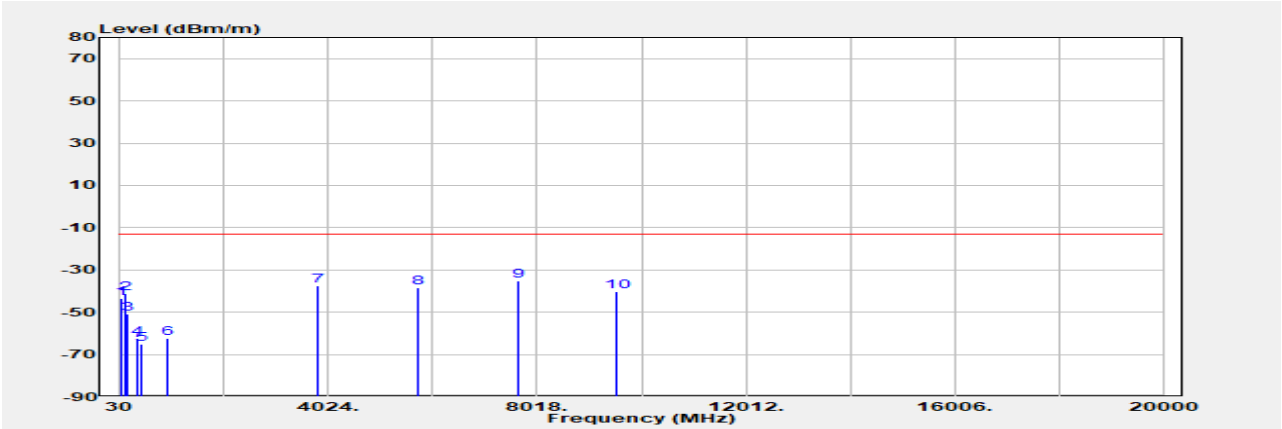
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-41.59	-29.90	-10.75	-0.94	-13.00	-28.59
135.730	-41.09	-37.98	-1.64	-1.47	-13.00	-28.09
185.200	-50.96	-51.39	2.17	-1.74	-13.00	-37.96
351.070	-61.12	-63.24	4.46	-2.34	-13.00	-48.12
447.100	-65.92	-67.20	3.95	-2.67	-13.00	-52.92
910.760	-63.12	-62.94	3.58	-3.76	-13.00	-50.12
3760.000	-38.61	-43.35	12.46	-7.72	-13.00	-25.61
5640.000	-31.67	-35.62	13.48	-9.53	-13.00	-18.67
7520.000	-31.88	-31.91	11.14	-11.11	-13.00	-18.88
9400.000	-35.77	-34.90	11.60	-12.47	-13.00	-22.77

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 1900	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:1909.8 MHz	Engineer	:Andy Lee



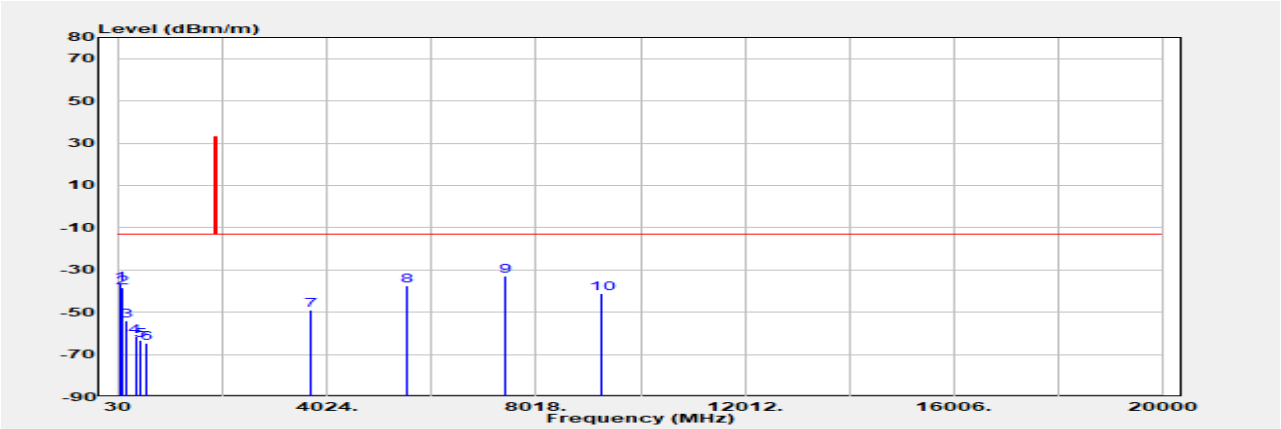
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.36	-24.67	-10.75	-0.94	-13.00	-23.36
111.480	-38.56	-35.90	-1.32	-1.34	-13.00	-25.56
185.200	-52.35	-52.78	2.17	-1.74	-13.00	-39.35
341.370	-62.17	-64.11	4.25	-2.31	-13.00	-49.17
438.370	-66.20	-67.52	3.95	-2.63	-13.00	-53.20
909.790	-61.73	-61.54	3.57	-3.76	-13.00	-48.73
3819.600	-42.55	-47.04	12.30	-7.81	-13.00	-29.55
5729.400	-37.38	-41.02	13.24	-9.60	-13.00	-24.38
7639.200	-35.39	-35.72	11.46	-11.13	-13.00	-22.39
9549.000	-40.49	-39.81	11.90	-12.58	-13.00	-27.49

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:GPRS 1900	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:1909.8 MHz	Engineer	:Andy Lee



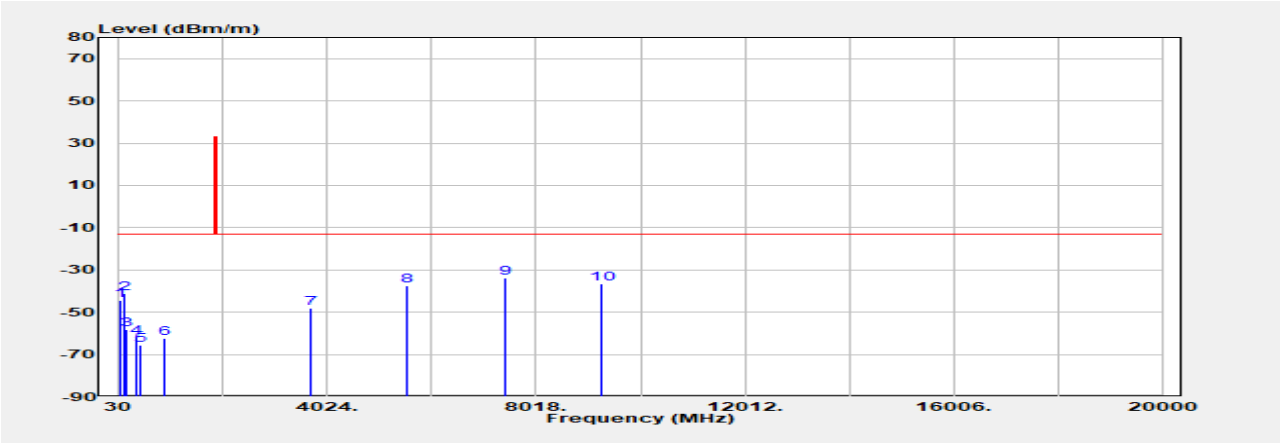
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-43.29	-31.60	-10.75	-0.94	-13.00	-30.29
135.730	-40.97	-37.86	-1.64	-1.47	-13.00	-27.97
184.230	-50.98	-51.18	1.94	-1.74	-13.00	-37.98
350.100	-62.29	-64.41	4.46	-2.34	-13.00	-49.29
440.310	-65.15	-66.46	3.95	-2.64	-13.00	-52.15
919.490	-62.28	-62.16	3.67	-3.79	-13.00	-49.28
3819.600	-37.44	-41.93	12.30	-7.81	-13.00	-24.44
5729.400	-38.17	-41.81	13.24	-9.60	-13.00	-25.17
7639.200	-35.05	-35.38	11.46	-11.13	-13.00	-22.05
9549.000	-40.25	-39.57	11.90	-12.58	-13.00	-27.25

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B2	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:1852.4 MHz	Engineer	:Andy Lee



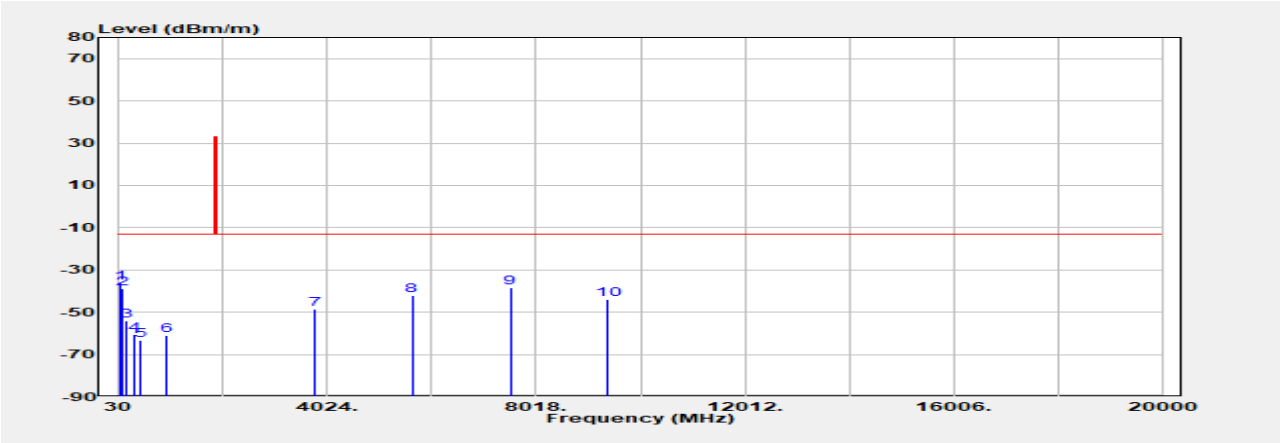
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.52	-24.83	-10.75	-0.94	-13.00	-23.52
108.570	-38.56	-35.81	-1.43	-1.32	-13.00	-25.56
182.290	-54.26	-54.16	1.62	-1.72	-13.00	-41.26
342.340	-61.26	-63.21	4.27	-2.32	-13.00	-48.26
443.220	-63.29	-64.59	3.95	-2.65	-13.00	-50.29
535.370	-64.78	-66.14	4.25	-2.89	-13.00	-51.78
3704.800	-48.99	-53.95	12.59	-7.63	-13.00	-35.99
5557.200	-37.62	-41.36	13.23	-9.49	-13.00	-24.62
7409.600	-32.89	-32.99	11.08	-10.98	-13.00	-19.89
9262.000	-41.18	-40.01	11.20	-12.37	-13.00	-28.18

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B2	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:1852.4 MHz	Engineer	:Andy Lee



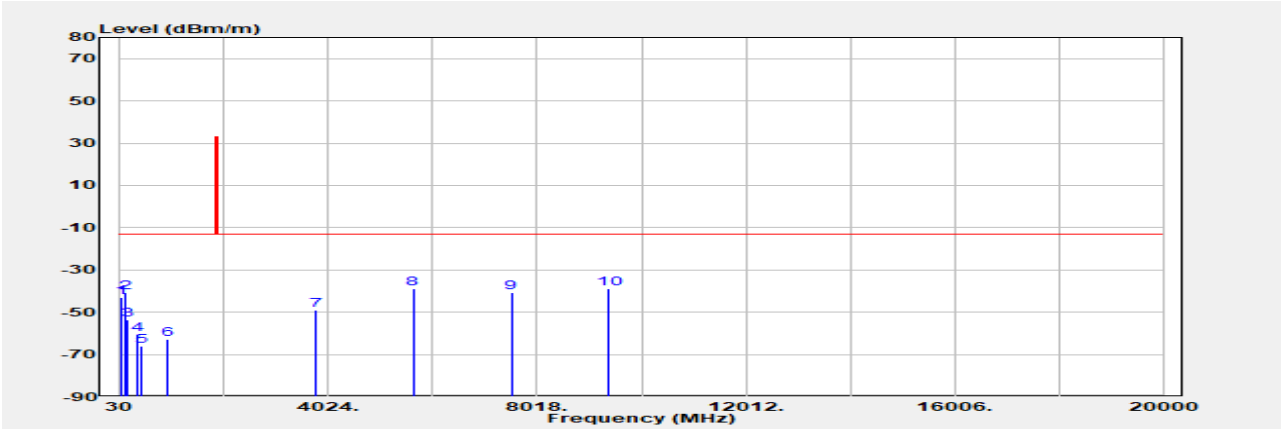
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-44.50	-32.81	-10.75	-0.94	-13.00	-31.50
133.790	-41.22	-38.18	-1.57	-1.47	-13.00	-28.22
180.350	-58.11	-57.67	1.27	-1.71	-13.00	-45.11
351.070	-61.85	-63.97	4.46	-2.34	-13.00	-48.85
449.040	-65.64	-66.90	3.94	-2.68	-13.00	-52.64
910.760	-62.37	-62.19	3.58	-3.76	-13.00	-49.37
3704.800	-47.92	-52.88	12.59	-7.63	-13.00	-34.92
5557.200	-37.27	-41.01	13.23	-9.49	-13.00	-24.27
7409.600	-33.99	-34.09	11.08	-10.98	-13.00	-20.99
9262.000	-36.61	-35.44	11.20	-12.37	-13.00	-23.61

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B2	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:1880 MHz	Engineer	:Andy Lee



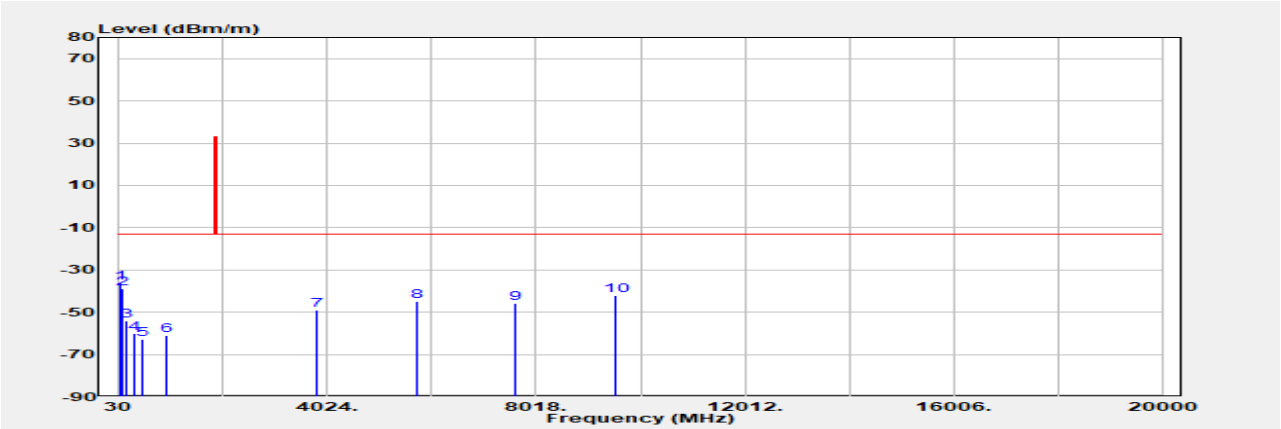
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.01	-24.32	-10.75	-0.94	-13.00	-23.01
107.600	-39.09	-36.54	-1.24	-1.31	-13.00	-26.09
182.290	-53.89	-53.79	1.62	-1.72	-13.00	-40.89
326.820	-60.64	-62.36	3.99	-2.27	-13.00	-47.64
441.280	-63.20	-64.50	3.95	-2.65	-13.00	-50.20
919.490	-61.12	-61.00	3.67	-3.79	-13.00	-48.12
3760.000	-48.50	-53.24	12.46	-7.72	-13.00	-35.50
5640.000	-42.22	-46.17	13.48	-9.53	-13.00	-29.22
7520.000	-38.23	-38.26	11.14	-11.11	-13.00	-25.23
9400.000	-44.09	-43.22	11.60	-12.47	-13.00	-31.09

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B2	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:1880 MHz	Engineer	:Andy Lee



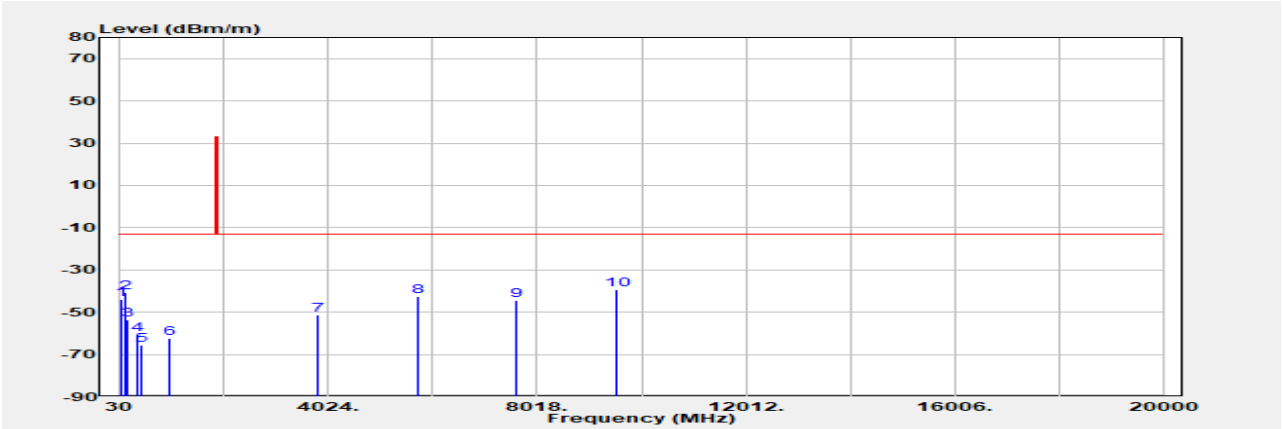
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-43.08	-31.39	-10.75	-0.94	-13.00	-30.08
133.790	-40.77	-37.73	-1.57	-1.47	-13.00	-27.77
182.290	-53.83	-53.73	1.62	-1.72	-13.00	-40.83
351.070	-60.42	-62.54	4.46	-2.34	-13.00	-47.42
443.220	-65.89	-67.19	3.95	-2.65	-13.00	-52.89
940.830	-62.86	-62.47	3.43	-3.82	-13.00	-49.86
3760.000	-48.80	-53.54	12.46	-7.72	-13.00	-35.80
5640.000	-38.87	-42.82	13.48	-9.53	-13.00	-25.87
7520.000	-40.67	-40.70	11.14	-11.11	-13.00	-27.67
9400.000	-39.01	-38.14	11.60	-12.47	-13.00	-26.01

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B2	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:1907.6 MHz	Engineer	:Andy Lee



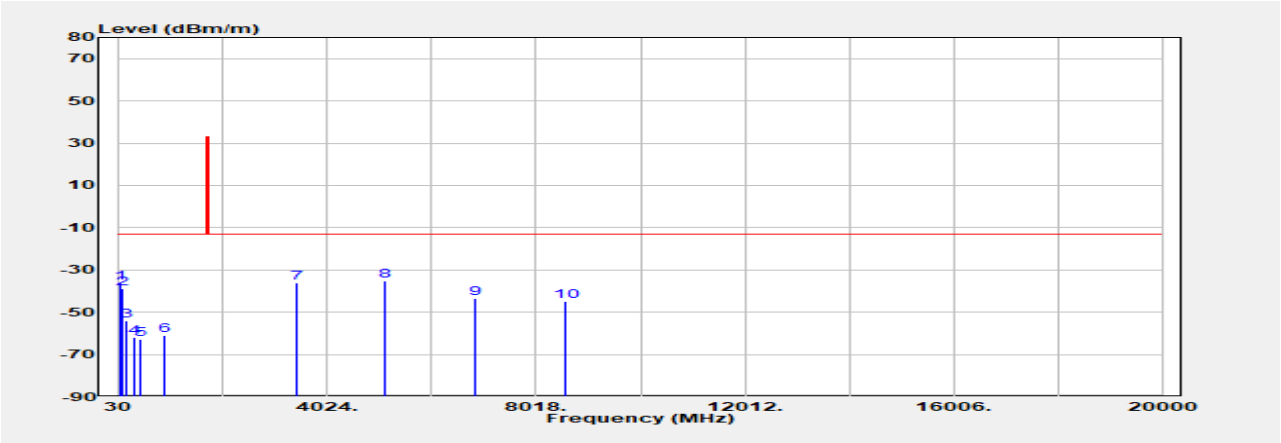
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.10	-24.41	-10.75	-0.94	-13.00	-23.10
108.570	-38.82	-36.07	-1.43	-1.32	-13.00	-25.82
184.230	-53.92	-54.12	1.94	-1.74	-13.00	-40.92
323.910	-60.11	-61.88	4.03	-2.26	-13.00	-47.11
457.770	-62.97	-64.31	4.04	-2.70	-13.00	-49.97
919.490	-60.95	-60.83	3.67	-3.79	-13.00	-47.95
3815.200	-48.99	-53.49	12.30	-7.80	-13.00	-35.99
5722.800	-44.94	-48.61	13.25	-9.58	-13.00	-31.94
7630.400	-45.91	-46.19	11.42	-11.14	-13.00	-32.91
9538.000	-42.12	-41.43	11.88	-12.57	-13.00	-29.12

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B2	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:1907.6 MHz	Engineer	:Andy Lee



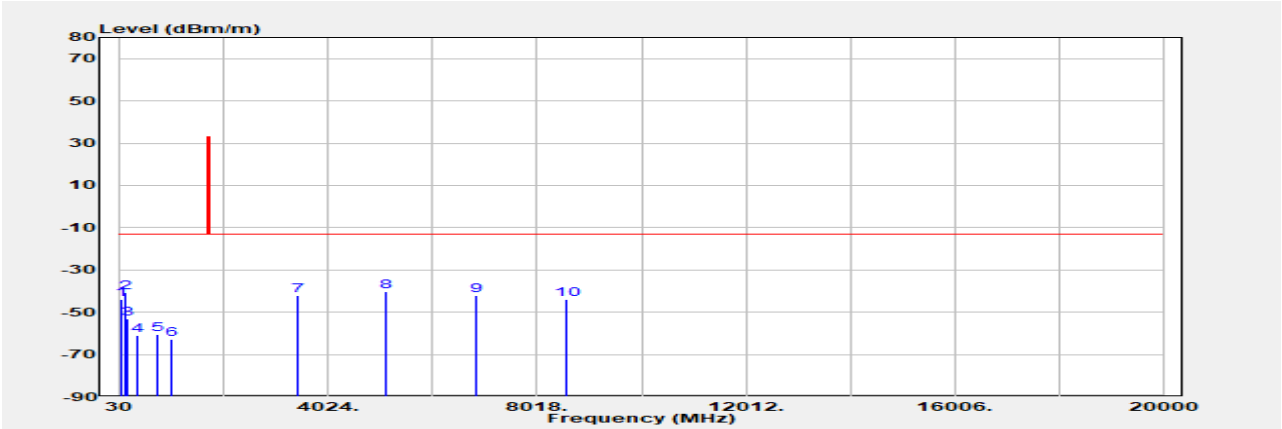
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-44.10	-32.41	-10.75	-0.94	-13.00	-31.10
134.760	-40.87	-37.80	-1.60	-1.47	-13.00	-27.87
182.290	-53.68	-53.58	1.62	-1.72	-13.00	-40.68
343.310	-60.54	-62.51	4.30	-2.33	-13.00	-47.54
438.370	-65.78	-67.10	3.95	-2.63	-13.00	-52.78
991.270	-62.28	-62.26	3.90	-3.92	-13.00	-49.28
3815.200	-51.21	-55.71	12.30	-7.80	-13.00	-38.21
5722.800	-42.56	-46.23	13.25	-9.58	-13.00	-29.56
7630.400	-44.35	-44.63	11.42	-11.14	-13.00	-31.35
9538.000	-39.26	-38.57	11.88	-12.57	-13.00	-26.26

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B4	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:1712.4 MHz	Engineer	:Andy Lee



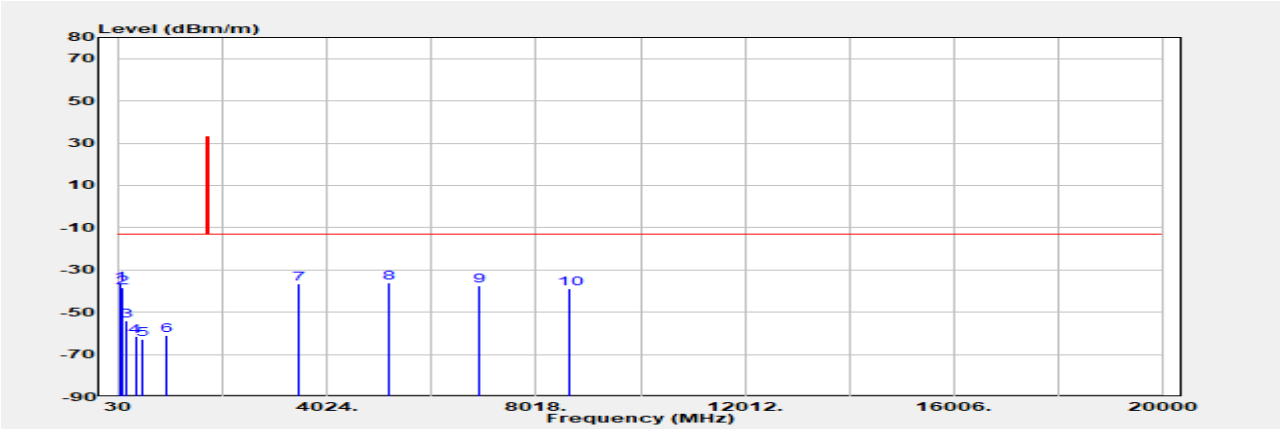
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.20	-24.51	-10.75	-0.94	-13.00	-23.20
108.570	-38.67	-35.92	-1.43	-1.32	-13.00	-25.67
185.200	-54.07	-54.50	2.17	-1.74	-13.00	-41.07
325.850	-62.01	-63.76	4.01	-2.26	-13.00	-49.01
441.280	-62.90	-64.20	3.95	-2.65	-13.00	-49.90
915.610	-60.82	-60.74	3.70	-3.78	-13.00	-47.82
3424.800	-36.15	-41.33	12.55	-7.37	-13.00	-23.15
5137.200	-35.26	-38.51	12.37	-9.12	-13.00	-22.26
6849.600	-43.49	-45.10	12.20	-10.59	-13.00	-30.49
8562.000	-44.79	-44.48	11.60	-11.91	-13.00	-31.79

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B4	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:1712.4 MHz	Engineer	:Andy Lee



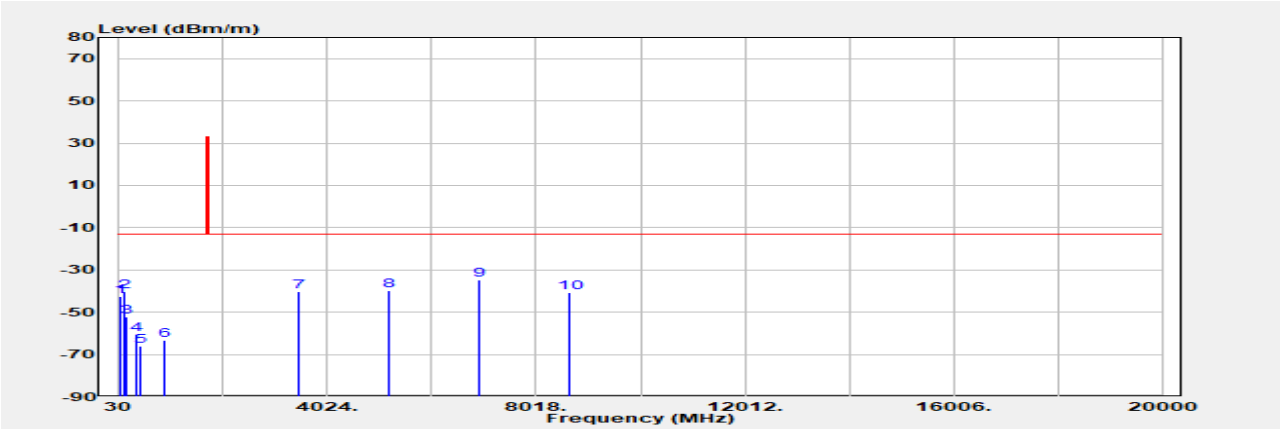
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-43.76	-32.07	-10.75	-0.94	-13.00	-30.76
134.760	-40.52	-37.45	-1.60	-1.47	-13.00	-27.52
183.260	-53.16	-53.20	1.77	-1.73	-13.00	-40.16
353.980	-61.11	-63.23	4.48	-2.36	-13.00	-48.11
739.070	-60.59	-60.57	3.37	-3.39	-13.00	-47.59
997.090	-62.92	-62.94	3.96	-3.94	-13.00	-49.92
3424.800	-42.22	-47.40	12.55	-7.37	-13.00	-29.22
5137.200	-40.32	-43.57	12.37	-9.12	-13.00	-27.32
6849.600	-42.14	-43.75	12.20	-10.59	-13.00	-29.14
8562.000	-44.09	-43.78	11.60	-11.91	-13.00	-31.09

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B4	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:1732.4 MHz	Engineer	:Andy Lee



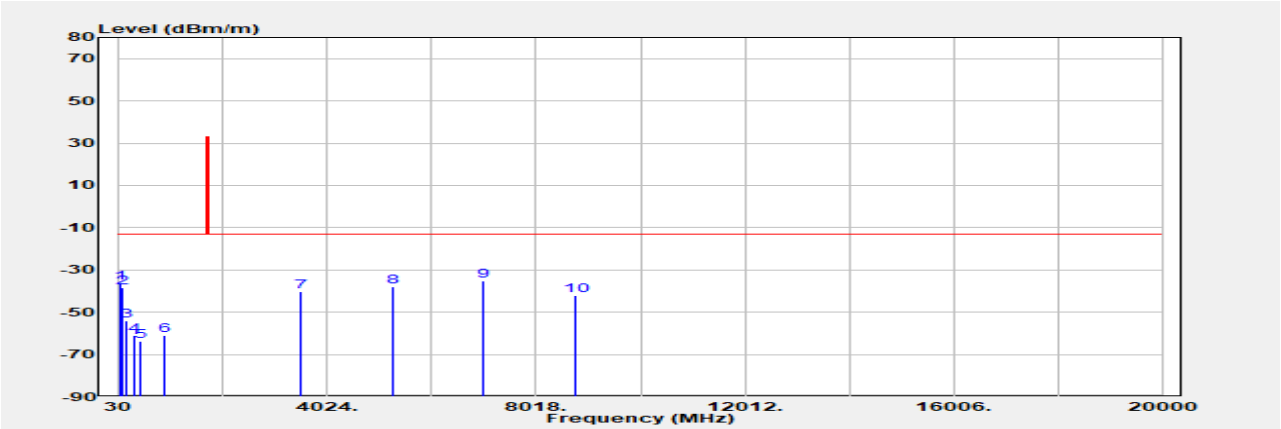
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.77	-25.08	-10.75	-0.94	-13.00	-23.77
107.600	-38.20	-35.65	-1.24	-1.31	-13.00	-25.20
184.230	-54.09	-54.29	1.94	-1.74	-13.00	-41.09
342.340	-61.49	-63.44	4.27	-2.32	-13.00	-48.49
462.620	-62.92	-64.19	3.98	-2.71	-13.00	-49.92
921.430	-61.19	-61.04	3.64	-3.79	-13.00	-48.19
3464.800	-36.47	-41.47	12.44	-7.44	-13.00	-23.47
5197.200	-36.17	-39.63	12.68	-9.22	-13.00	-23.17
6929.600	-37.58	-38.86	11.94	-10.66	-13.00	-24.58
8662.000	-38.89	-38.66	11.68	-11.91	-13.00	-25.89

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B4	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:1732.4 MHz	Engineer	:Andy Lee



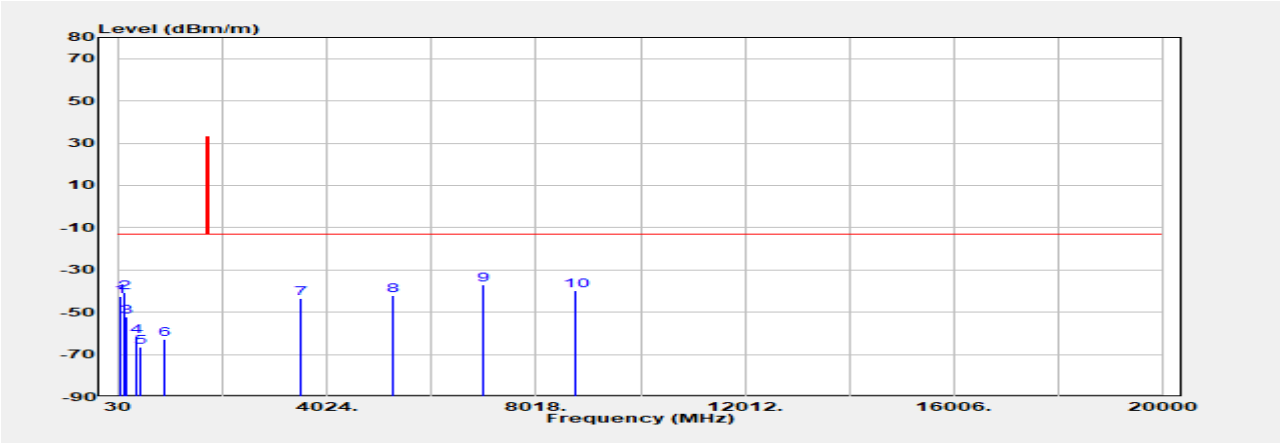
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-42.45	-30.76	-10.75	-0.94	-13.00	-29.45
134.760	-40.47	-37.40	-1.60	-1.47	-13.00	-27.47
182.290	-52.45	-52.35	1.62	-1.72	-13.00	-39.45
352.040	-60.49	-62.61	4.47	-2.35	-13.00	-47.49
437.400	-66.06	-67.38	3.95	-2.63	-13.00	-53.06
905.910	-63.14	-63.08	3.68	-3.74	-13.00	-50.14
3464.800	-40.23	-45.23	12.44	-7.44	-13.00	-27.23
5197.200	-39.60	-43.06	12.68	-9.22	-13.00	-26.60
6929.600	-34.93	-36.21	11.94	-10.66	-13.00	-21.93
8662.000	-40.72	-40.49	11.68	-11.91	-13.00	-27.72

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B4	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:1752.6 MHz	Engineer	:Andy Lee



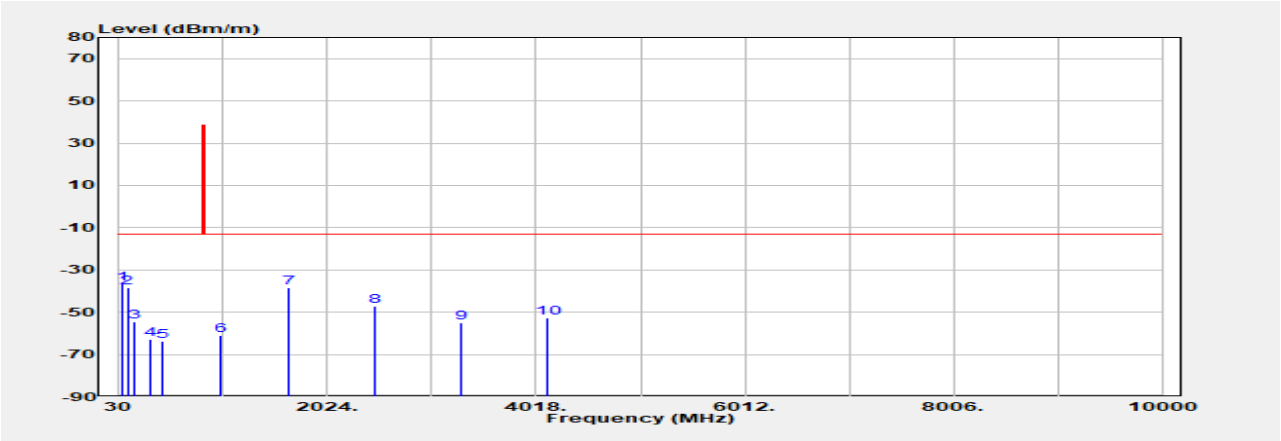
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.13	-24.44	-10.75	-0.94	-13.00	-23.13
108.570	-38.59	-35.84	-1.43	-1.32	-13.00	-25.59
184.230	-53.84	-54.04	1.94	-1.74	-13.00	-40.84
326.820	-61.15	-62.87	3.99	-2.27	-13.00	-48.15
449.040	-63.62	-64.88	3.94	-2.68	-13.00	-50.62
914.640	-61.18	-61.10	3.70	-3.78	-13.00	-48.18
3505.200	-40.07	-44.86	12.30	-7.51	-13.00	-27.07
5257.800	-38.15	-42.03	13.12	-9.24	-13.00	-25.15
7010.400	-35.18	-36.14	11.62	-10.66	-13.00	-22.18
8763.000	-42.04	-41.58	11.50	-11.96	-13.00	-29.04

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B4	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:1752.6 MHz	Engineer	:Andy Lee



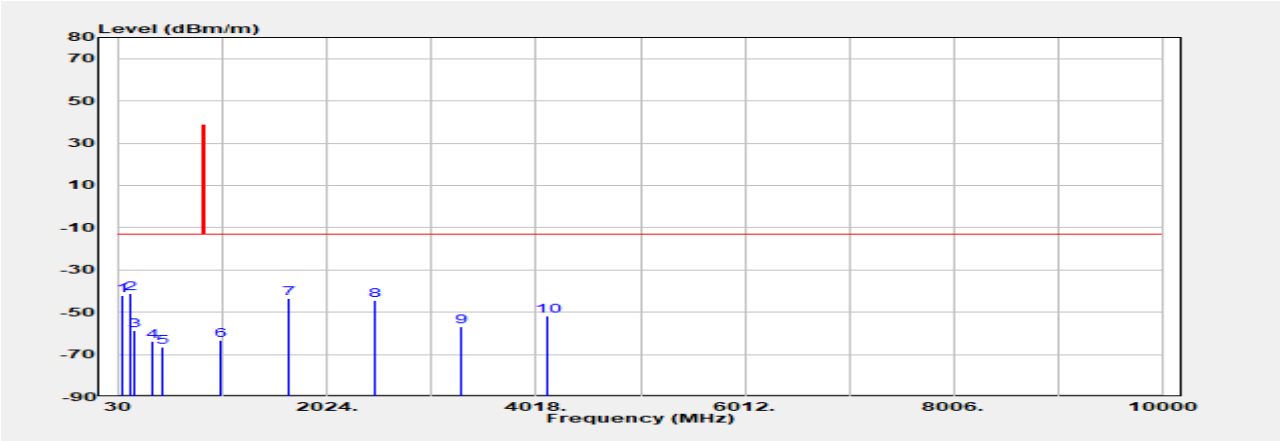
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-42.54	-30.85	-10.75	-0.94	-13.00	-29.54
134.760	-40.54	-37.47	-1.60	-1.47	-13.00	-27.54
183.260	-52.22	-52.26	1.77	-1.73	-13.00	-39.22
351.070	-61.22	-63.34	4.46	-2.34	-13.00	-48.22
444.190	-66.54	-67.83	3.95	-2.66	-13.00	-53.54
909.790	-63.00	-62.81	3.57	-3.76	-13.00	-50.00
3505.200	-43.48	-48.27	12.30	-7.51	-13.00	-30.48
5257.800	-42.21	-46.09	13.12	-9.24	-13.00	-29.21
7010.400	-37.03	-37.99	11.62	-10.66	-13.00	-24.03
8763.000	-39.58	-39.12	11.50	-11.96	-13.00	-26.58

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B5	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:826.4 MHz	Engineer	:Andy Lee



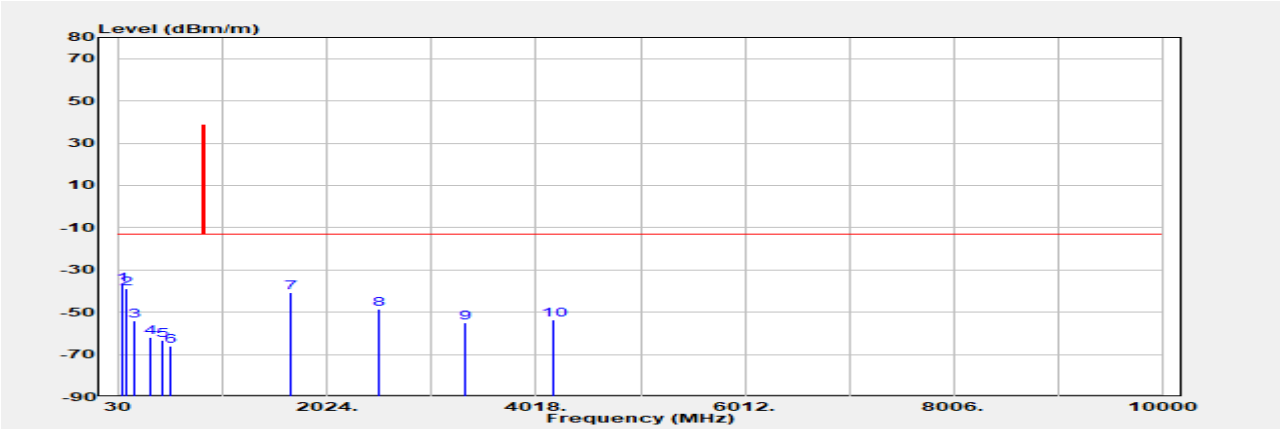
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.71	-25.02	-10.75	-0.94	-13.00	-23.71
108.570	-38.50	-35.75	-1.43	-1.32	-13.00	-25.50
181.320	-54.36	-54.12	1.48	-1.72	-13.00	-41.36
325.850	-62.83	-64.58	4.01	-2.26	-13.00	-49.83
443.220	-63.83	-65.13	3.95	-2.65	-13.00	-50.83
995.150	-61.16	-61.16	3.94	-3.94	-13.00	-48.16
1652.800	-38.23	-42.71	9.53	-5.05	-13.00	-25.23
2479.200	-47.32	-51.58	10.50	-6.24	-13.00	-34.32
3305.600	-54.86	-60.01	12.33	-7.18	-13.00	-41.86
4132.000	-52.61	-57.02	12.54	-8.13	-13.00	-39.61

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B5	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:826.4 MHz	Engineer	:Andy Lee



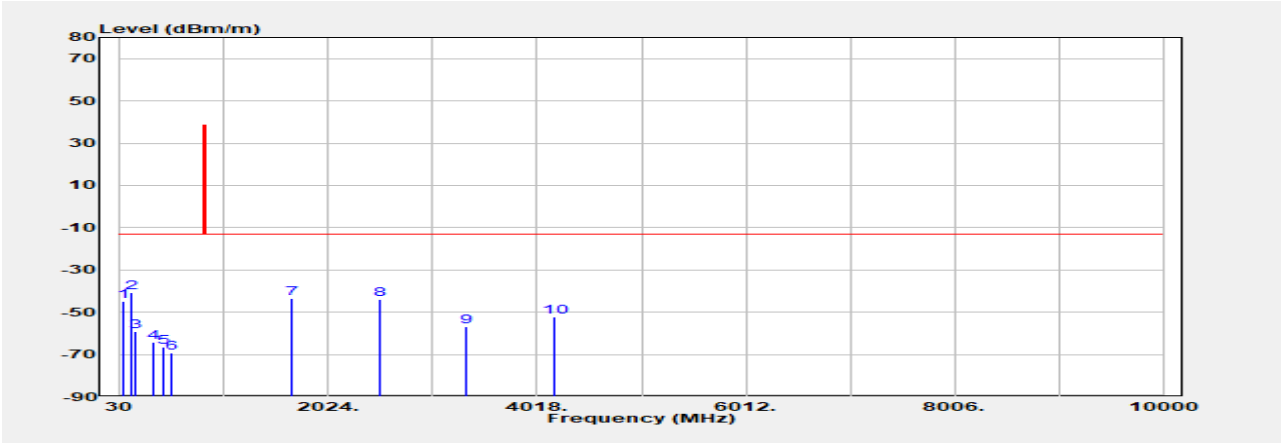
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-41.92	-30.23	-10.75	-0.94	-13.00	-28.92
132.820	-40.95	-37.98	-1.50	-1.47	-13.00	-27.95
180.350	-58.51	-58.07	1.27	-1.71	-13.00	-45.51
353.010	-63.96	-66.08	4.47	-2.35	-13.00	-50.96
445.160	-66.40	-67.69	3.95	-2.66	-13.00	-53.40
996.120	-63.19	-63.20	3.95	-3.94	-13.00	-50.19
1652.800	-43.52	-48.00	9.53	-5.05	-13.00	-30.52
2479.200	-44.23	-48.49	10.50	-6.24	-13.00	-31.23
3305.600	-56.72	-61.87	12.33	-7.18	-13.00	-43.72
4132.000	-51.57	-55.98	12.54	-8.13	-13.00	-38.57

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B5	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:836.6 MHz	Engineer	:Andy Lee



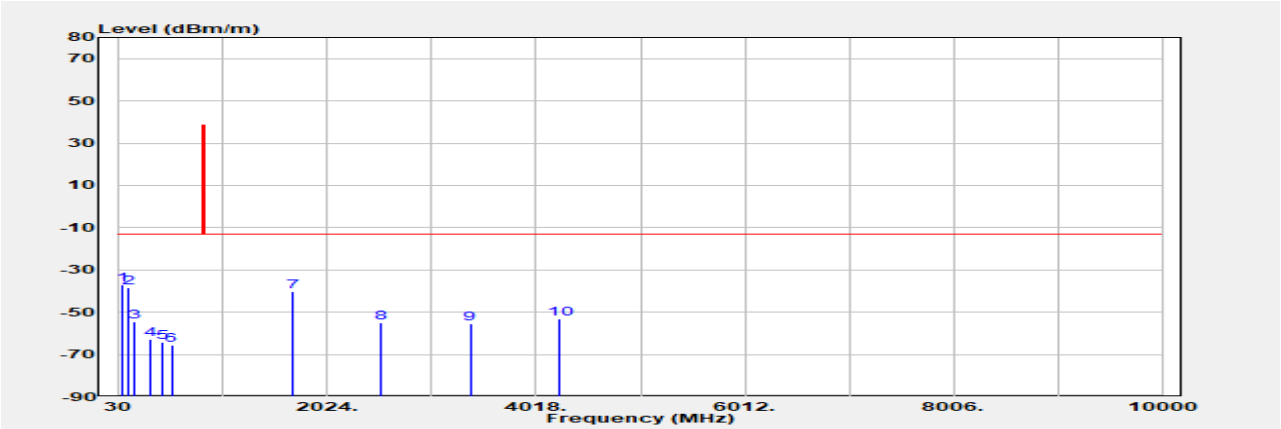
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.81	-25.12	-10.75	-0.94	-13.00	-23.81
107.600	-38.84	-36.29	-1.24	-1.31	-13.00	-25.84
182.290	-54.23	-54.13	1.62	-1.72	-13.00	-41.23
326.820	-61.87	-63.59	3.99	-2.27	-13.00	-48.87
440.310	-63.47	-64.78	3.95	-2.64	-13.00	-50.47
527.610	-66.06	-67.34	4.17	-2.89	-13.00	-53.06
1673.200	-40.73	-45.49	9.83	-5.07	-13.00	-27.73
2509.800	-48.64	-52.96	10.60	-6.28	-13.00	-35.64
3346.400	-55.15	-60.49	12.58	-7.24	-13.00	-42.15
4183.000	-53.63	-58.05	12.63	-8.21	-13.00	-40.63

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B5	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:836.6 MHz	Engineer	:Andy Lee



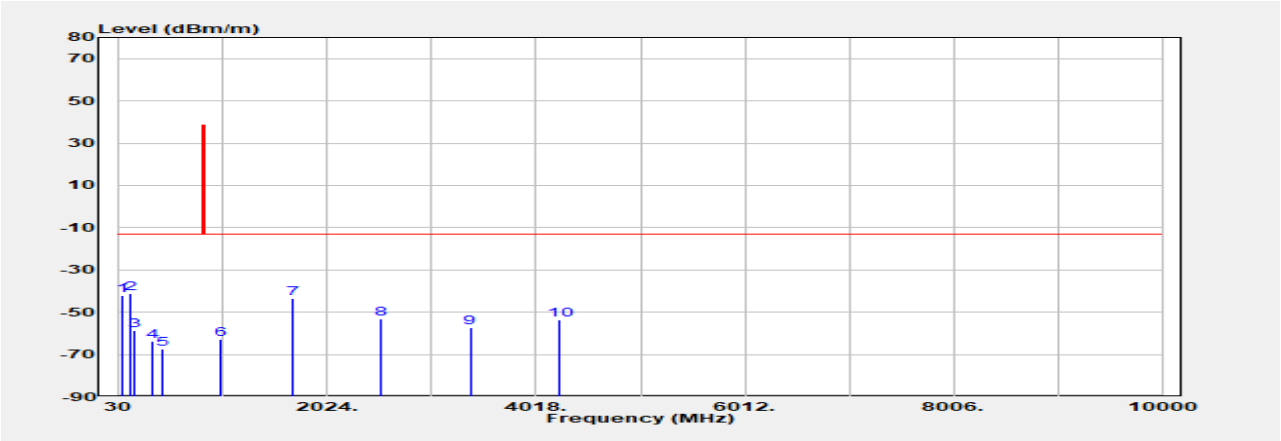
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-44.85	-33.16	-10.75	-0.94	-13.00	-31.85
132.820	-40.82	-37.85	-1.50	-1.47	-13.00	-27.82
180.350	-58.98	-58.54	1.27	-1.71	-13.00	-45.98
350.100	-64.09	-66.21	4.46	-2.34	-13.00	-51.09
445.160	-66.61	-67.90	3.95	-2.66	-13.00	-53.61
512.090	-69.38	-70.62	4.08	-2.84	-13.00	-56.38
1673.200	-43.40	-48.16	9.83	-5.07	-13.00	-30.40
2509.800	-44.16	-48.48	10.60	-6.28	-13.00	-31.16
3346.400	-56.89	-62.23	12.58	-7.24	-13.00	-43.89
4183.000	-52.31	-56.73	12.63	-8.21	-13.00	-39.31

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B5	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Vertical
Test Frequency	:846.6 MHz	Engineer	:Andy Lee



Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
54.250	-36.91	-25.22	-10.75	-0.94	-13.00	-23.91
109.540	-38.60	-35.85	-1.42	-1.33	-13.00	-25.60
182.290	-54.52	-54.42	1.62	-1.72	-13.00	-41.52
325.850	-62.71	-64.46	4.01	-2.26	-13.00	-49.71
439.340	-64.03	-65.34	3.95	-2.64	-13.00	-51.03
530.520	-65.60	-66.88	4.18	-2.90	-13.00	-52.60
1693.200	-40.21	-45.05	9.93	-5.09	-13.00	-27.21
2539.800	-55.00	-59.26	10.60	-6.34	-13.00	-42.00
3386.400	-55.45	-60.73	12.60	-7.32	-13.00	-42.45
4233.000	-53.34	-57.72	12.63	-8.25	-13.00	-40.34

Report Number	:TERF2404001131ER	Test Site	:SAC D
Operation Mode	:WCDMA B5	Test Date	:2024-05-27
Test Mode	:Tx	Temp./Humi.	:22.1℃/65%
EUT Pol	:H Plane	Antenna Pol.	:Horizontal
Test Frequency	:846.6 MHz	Engineer	:Andy Lee



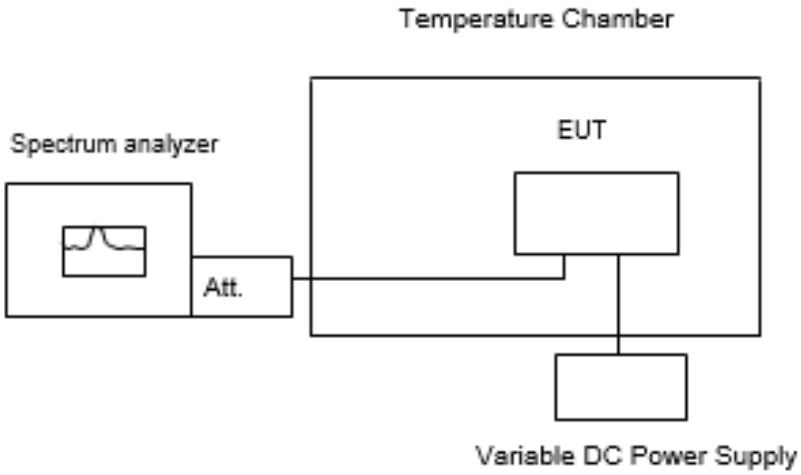
Freq. MHz	EIRP/ERP dBm	SG Output Level dBm	Antenna Gain dBi/dBd	Cable Loss dB	Limit dBm	Margin dB
53.280	-41.98	-30.07	-10.98	-0.93	-13.00	-28.98
133.790	-41.23	-38.19	-1.57	-1.47	-13.00	-28.23
180.350	-58.61	-58.17	1.27	-1.71	-13.00	-45.61
350.100	-63.91	-66.03	4.46	-2.34	-13.00	-50.91
443.220	-67.29	-68.59	3.95	-2.65	-13.00	-54.29
997.090	-62.84	-62.86	3.96	-3.94	-13.00	-49.84
1693.200	-43.48	-48.32	9.93	-5.09	-13.00	-30.48
2539.800	-53.01	-57.27	10.60	-6.34	-13.00	-40.01
3386.400	-57.47	-62.75	12.60	-7.32	-13.00	-44.47
4233.000	-53.77	-58.15	12.63	-8.25	-13.00	-40.77

12 FREQUENCY STABILITY MEASUREMENT

12.1 Standard Applicable

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

12.2 Test Set-up



Note: *Measurement setup for testing on Antenna connector*

12.3 Measurement Procedure

The equipment under test was connected to an external AC or DC power supply and input rated voltage. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. The EUT was placed inside the temperature chamber. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. Turn EUT off and set the chamber temperature to –30°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.

Set chamber temperature to 25℃. Use a variable AC power supply / DC power source to power the EUT and set the voltage to rated voltage. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency.
Reduce the input voltage to specify extreme voltage variation (+/- 15%) and endpoint as declared by the manufacturer, record the maximum frequency change.

12.4 Measurement Result

Note: *The car battery is rated 12V dc.*

		GPRS 850 Mid Channel	836.6000	MHz
Vdc	Temp. (℃)	Freq. (MHz)	(ppm)	Limit
FREQUENCY ERROR vs. VOLTAGE				
13.8	20	836.5999811	-0.0226	+/- 2.5 ppm
12	20	836.6000177	0.0212	
10.2	20	836.6000052	0.0062	
4 (End point)	20	836.5999994	-0.0007	
FREQUENCY ERROR vs. Temp.				
12	50	836.6000122	0.0146	+/- 2.5 ppm
12	40	836.599991	-0.0108	
12	30	836.5999947	-0.0063	
12	20	836.5999944	-0.0067	
12	10	836.599994	-0.0072	
12	0	836.5999914	-0.0103	
12	-10	836.5999841	-0.0190	
12	-20	836.5999841	-0.0190	
12	-30	836.6000129	0.0154	

		GPRS 1900 Mid Channel	1880.0000	MHz
Vdc	Temp. (℃)	Freq. (MHz)	(ppm)	Limit
FREQUENCY ERROR vs. VOLTAGE				
13.8	20	1879.999989	-0.0056	+/- 2.5 ppm
12	20	1880.000016	0.0084	
10.2	20	1879.999998	-0.0009	
4 (End point)	20	1879.999991	-0.0047	
FREQUENCY ERROR vs. Temp.				
12	50	1880.000003	0.0018	+/- 2.5 ppm
12	40	1879.999982	-0.0095	
12	30	1879.999994	-0.0034	
12	20	1880.000015	0.0080	
12	10	1879.999994	-0.0031	
12	0	1879.999987	-0.0069	
12	-10	1880.000017	0.0090	
12	-20	1880.000011	0.0057	
12	-30	1879.999991	-0.0046	

		WCDMA II Mid Channel	1880.0000	MHz
Vdc	Temp. (℃)	Freq. (MHz)	(ppm)	Limit
FREQUENCY ERROR vs. VOLTAGE				
13.8	20	1879.99999	-0.0054	+/- 2.5 ppm
12	20	1880.000008	0.0045	
10.2	20	1879.999982	-0.0096	
4 (End point)	20	1879.999989	-0.0061	
FREQUENCY ERROR vs. Temp.				
12	50	1880.000016	0.0082	+/- 2.5 ppm
12	40	1879.99999	-0.0052	
12	30	1879.999999	-0.0007	
12	20	1880.000015	0.0078	
12	10	1880.000005	0.0024	
12	0	1880.000018	0.0095	
12	-10	1880.000019	0.0099	
12	-20	1879.999983	-0.0092	
12	-30	1879.99999	-0.0051	

		WCDMA IV Mid Channel	1732.6000	MHz
Vdc	Temp. (℃)	Freq. (MHz)	(ppm)	Limit
FREQUENCY ERROR vs. VOLTAGE				
13.8	20	1732.600015	0.0088	+/- 2.5 ppm
12	20	1732.599993	-0.0043	
10.2	20	1732.599994	-0.0036	
4 (End point)	20	1732.600009	0.0054	
FREQUENCY ERROR vs. Temp.				
12	50	1732.600011	0.0061	+/- 2.5 ppm
12	40	1732.600013	0.0076	
12	30	1732.600016	0.0093	
12	20	1732.600011	0.0063	
12	10	1732.600011	0.0062	
12	0	1732.599992	-0.0046	
12	-10	1732.600011	0.0063	
12	-20	1732.600007	0.0039	
12	-30	1732.600001	0.0005	

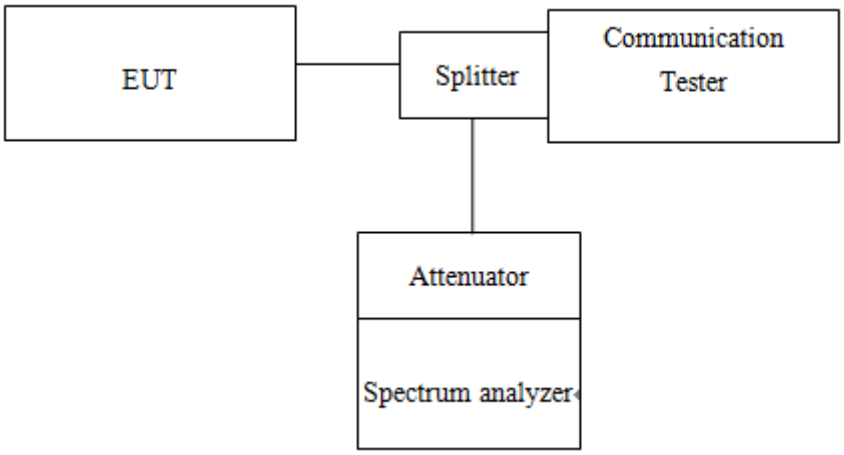
		WCDMA V Mid Channel	836.6000	MHz
Vdc	Temp. (℃)	Freq. (MHz)	(ppm)	Limit
FREQUENCY ERROR vs. VOLTAGE				
13.8	20	836.6000021	0.0025	+/- 2.5 ppm
12	20	836.6000002	0.0002	
10.2	20	836.6000053	0.0063	
4 (End point)	20	836.5999951	-0.0059	
FREQUENCY ERROR vs. Temp.				
12	50	836.6000134	0.0160	+/- 2.5 ppm
12	40	836.5999822	-0.0213	
12	30	836.5999855	-0.0173	
12	20	836.5999976	-0.0029	
12	10	836.5999891	-0.0130	
12	0	836.6000077	0.0092	
12	-10	836.6000089	0.0106	
12	-20	836.5999802	-0.0237	
12	-30	836.5999969	-0.0037	

13 PEAK TO AVERAGE RATIO

13.1 Standard Applicable

The peak-to-average ratio (PAR) of the transmission may not exceed 13dB.

13.2 Test SET-UP



13.3 Measurement Procedure

1. KDB 971168 D01 is employed as the following procedure is proper adjusted accordingly:
2. Set resolution/measurement bandwidth ≥ signal's occupied bandwidth; & internal =1ms
3. Set the number of counts to a value that stabilizes the measured CCDF curve.

13.4 Measurement Result

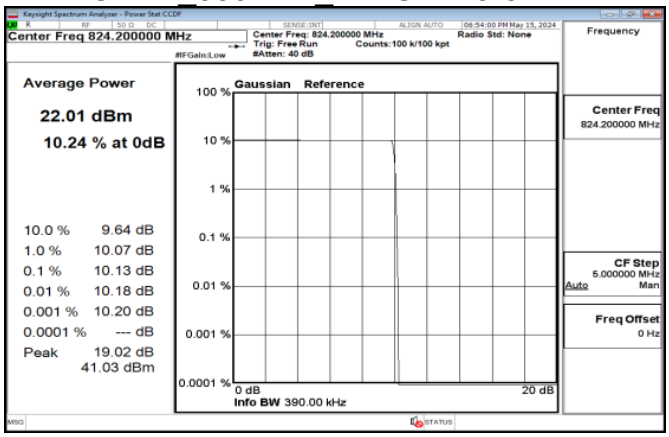
Freq. (MHz)	CH	Peak-to-Average Ratio	
		GPRS 850	EDGE 850
824.2	128	10.13	12.71
836.6	190	**9.82**	12.39
848.8	251	9.48	**12.18**
Freq. (MHz)	**CH**	**Peak-to-Average Ratio**	
		GPRS 1900	**EDGE 1900**
1850.2	512	**10.06**	12.19
1880	661	10.19	12.32
1909.8	810	10.23	**12.52**

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA II	HSDPA II	HSUPA II
1852.4	9262	3.16	3.39	3.66
1880	9400	**3.18**	**3.75**	**3.67**
1907.6	9538	3.11	3.30	3.72

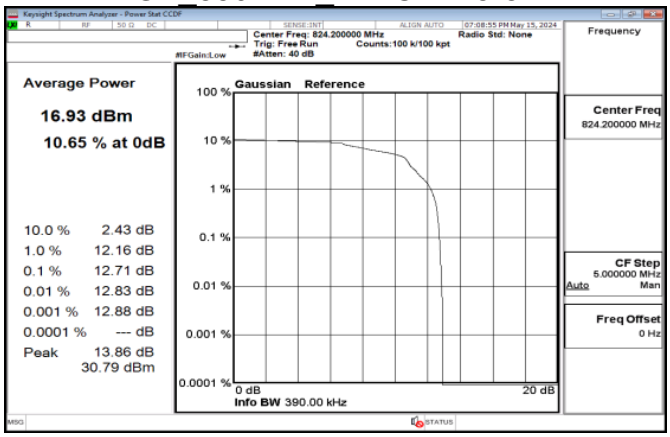
Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA IV	HSDPA IV	HSUPA IV
1712.4	1312	3.30	4.17	3.99
1732.6	1413	**3.26**	**3.67**	**3.98**
1752.6	1513	3.24	3.52	3.82

Freq. (MHz)	CH	Peak-to-Average Ratio (dB)		
		WCDMA V	HSDPA V	HSUPA V
826.4	4132	3.03	3.74	3.55
836.6	4183	**3.00**	**3.40**	**3.68**
846.6	4233	2.91	3.87	3.39

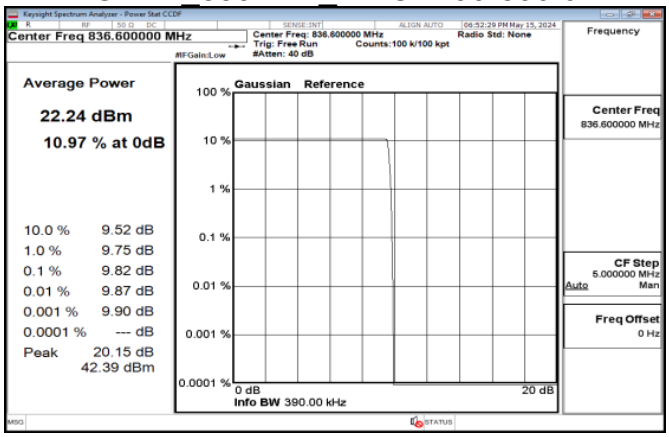
GPRS_850MHz_LowCH128-824.2



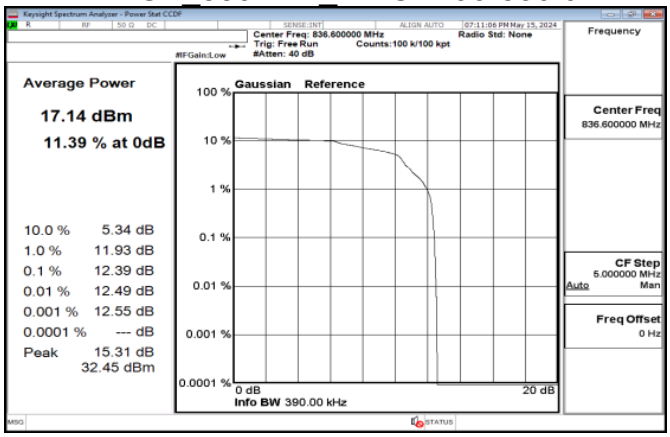
EDGE_850MHz_LowCH128-824.2



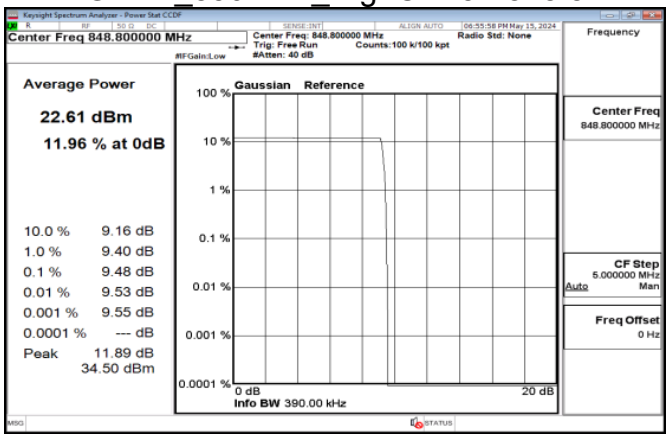
GPRS_850MHz_MidCH190-836.6



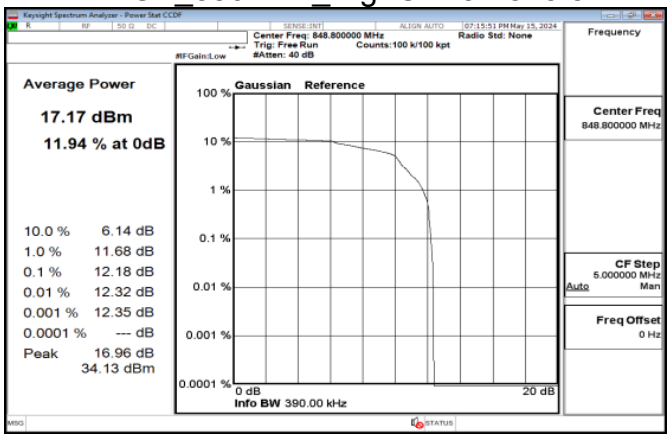
EDGE_850MHz_MidCH190-836.6



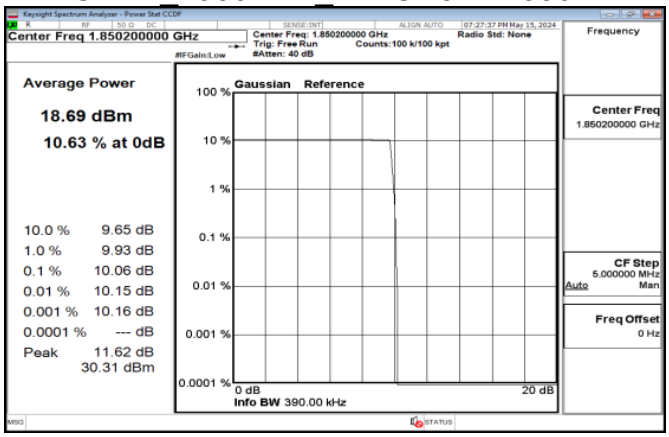
GPRS_850MHz_HighCH251-848.8



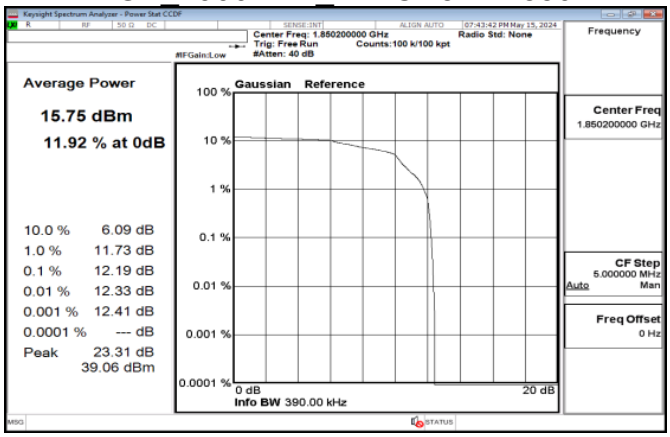
EDGE_850MHz_HighCH251-848.8



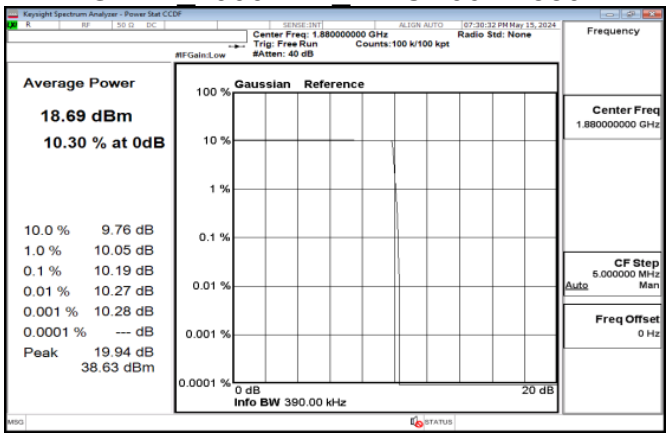
GPRS_1900MHz_LowCH512-1850.2



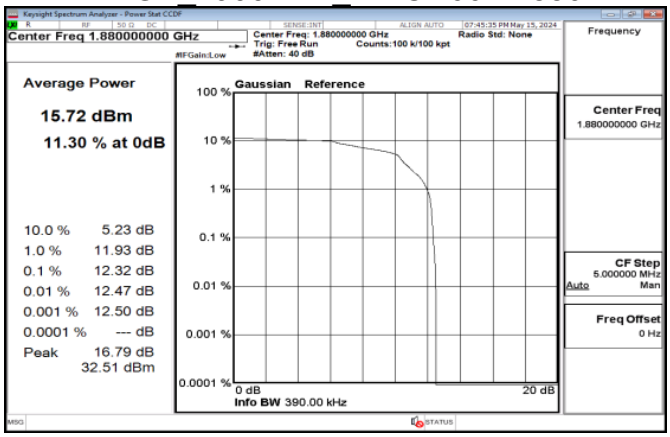
EDGE_1900MHz_LowCH512-1850.2



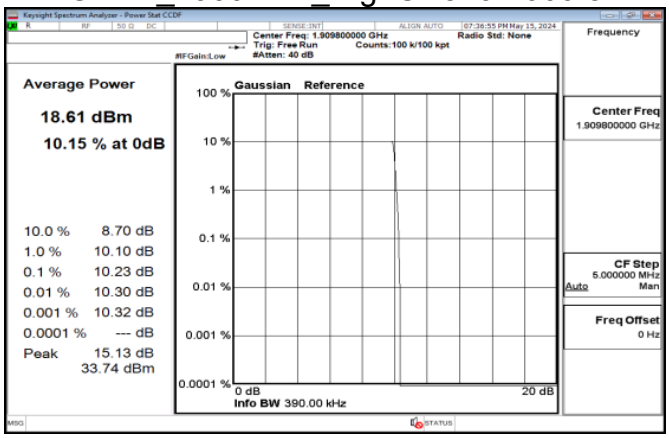
GPRS_1900MHz_MidCH661-1880



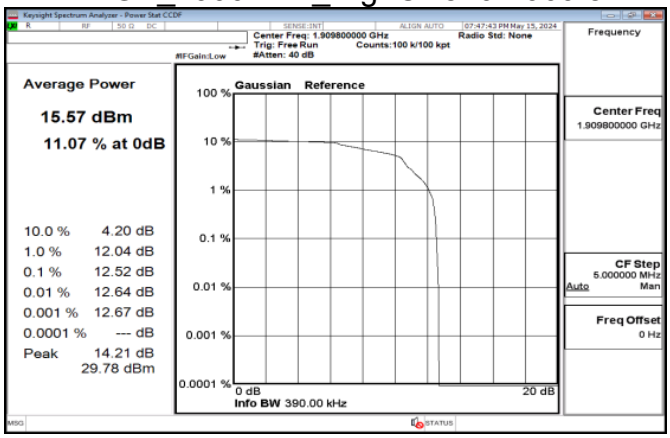
EDGE_1900MHz_MidCH661-1880



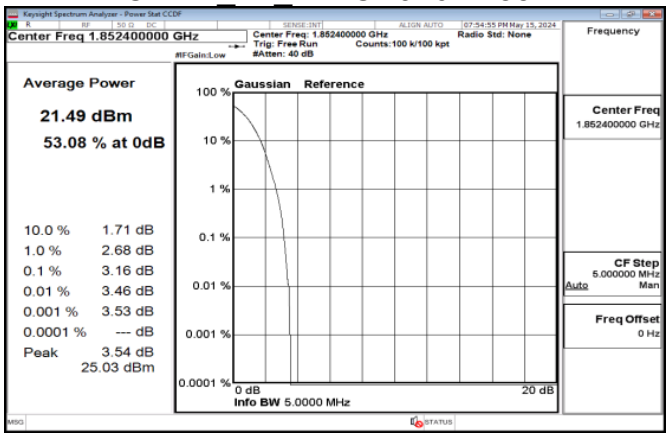
GPRS_1900MHz_HighCH810-1909.8



EDGE_1900MHz_HighCH810-1909.8



WCDMA_B2_LowCH9262-1852.4



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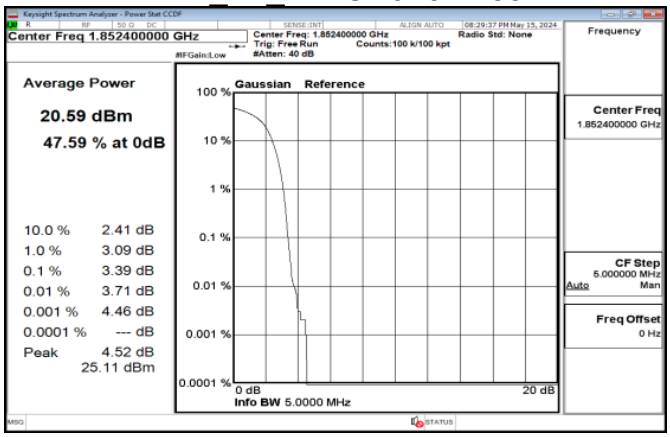

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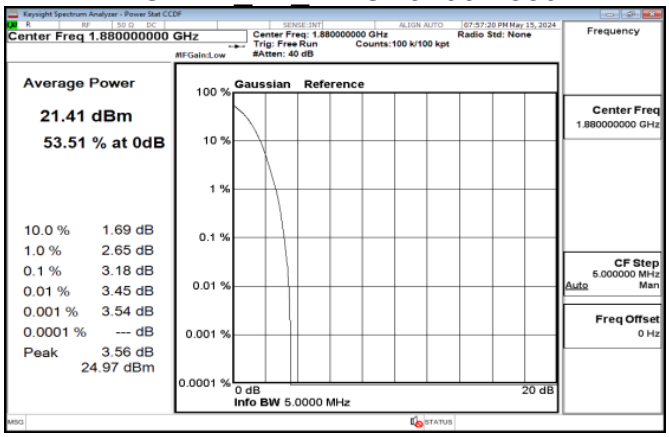

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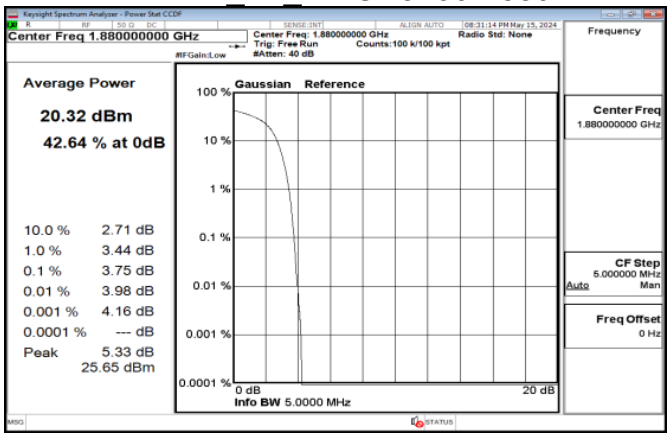

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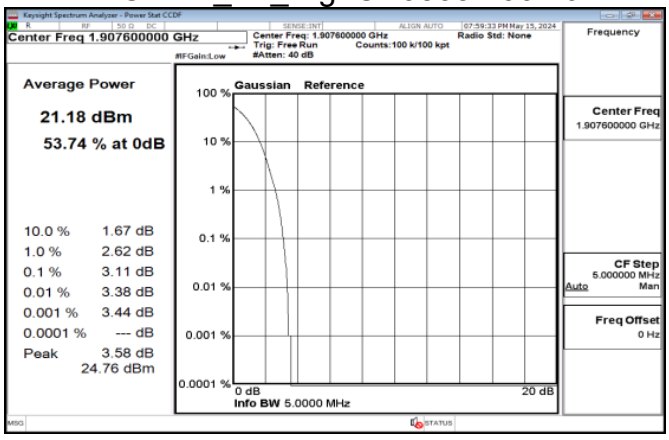

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