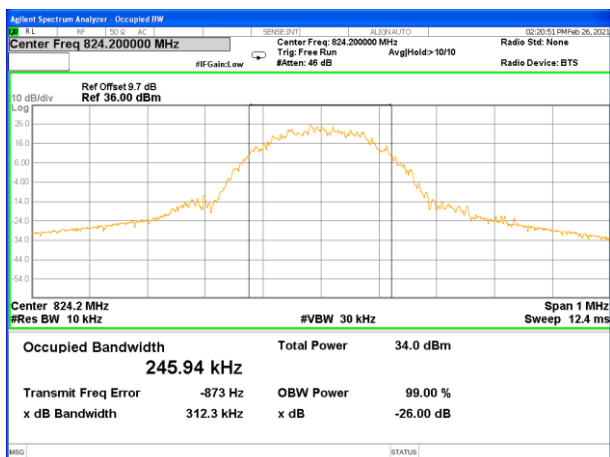
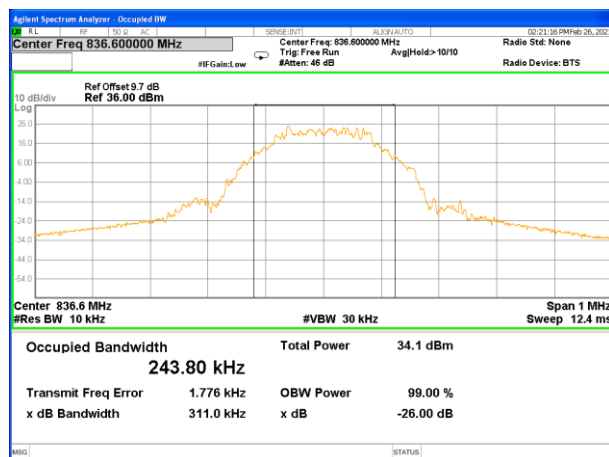
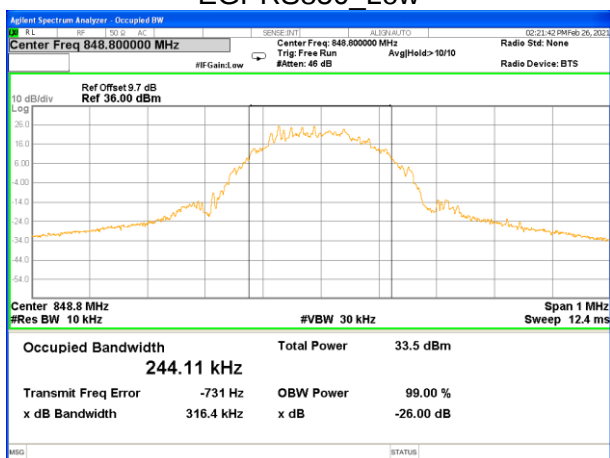




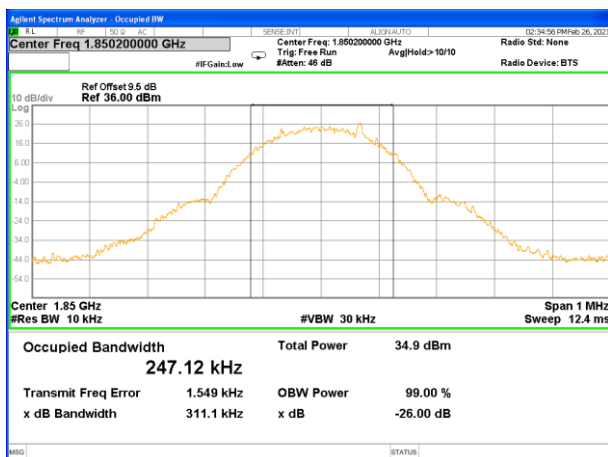
EGPRS850_Low



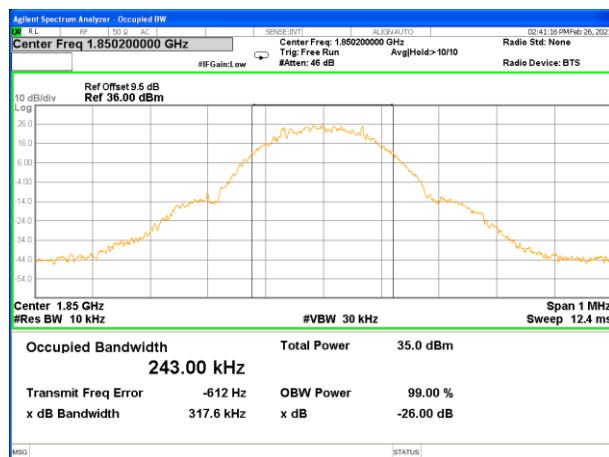
EGPRS850_Middle



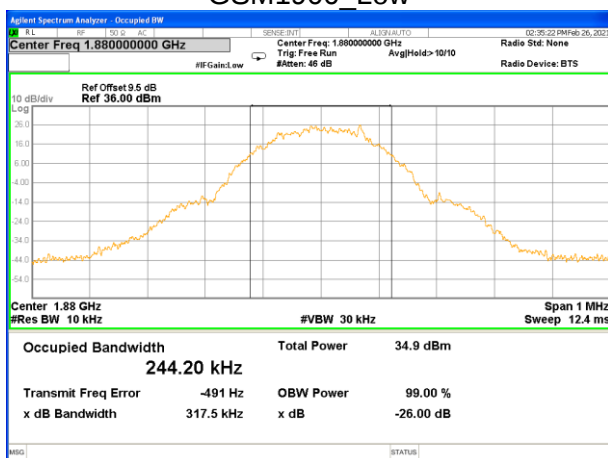
EGPRS850_High



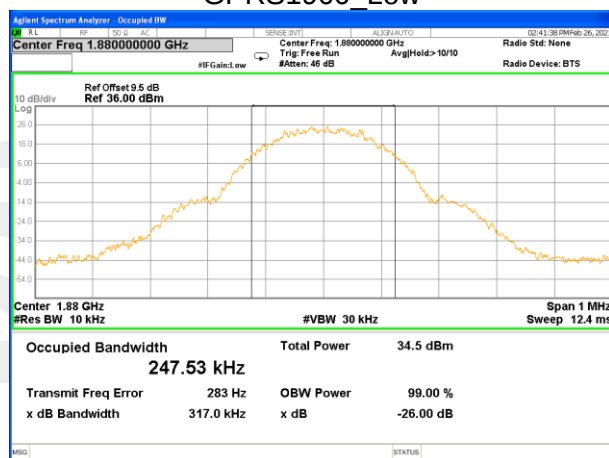
GSM1900_Low



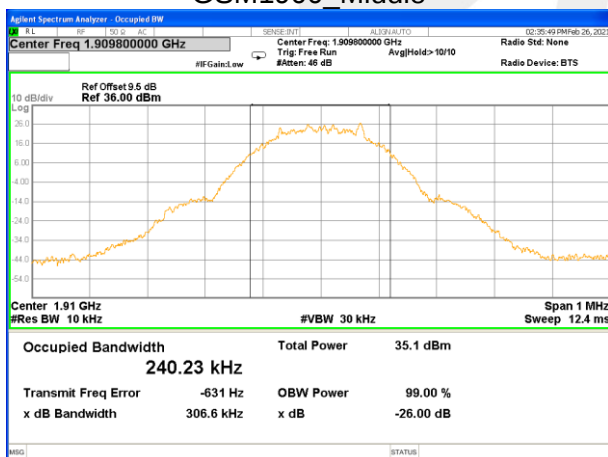
GPRS1900_Low



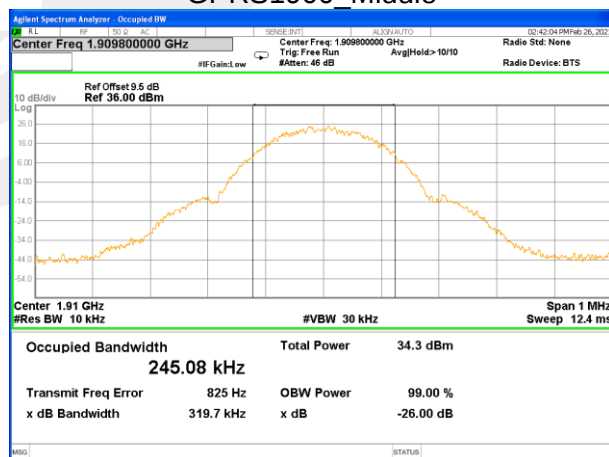
GSM1900_Middle



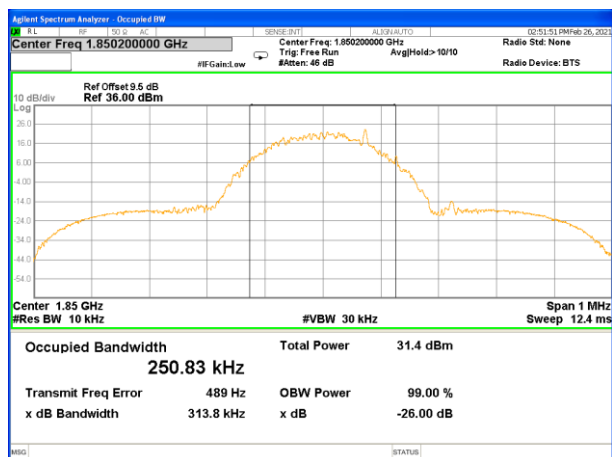
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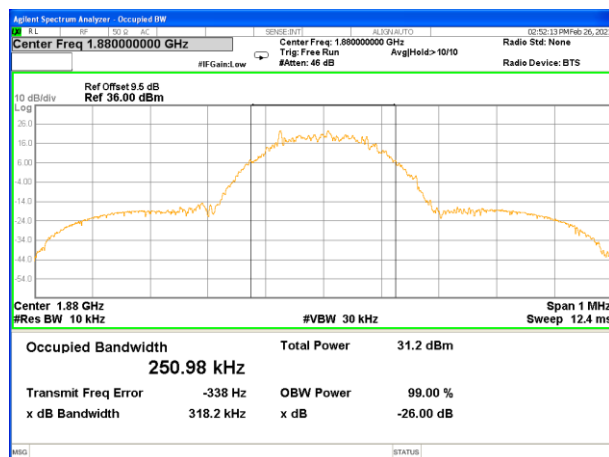
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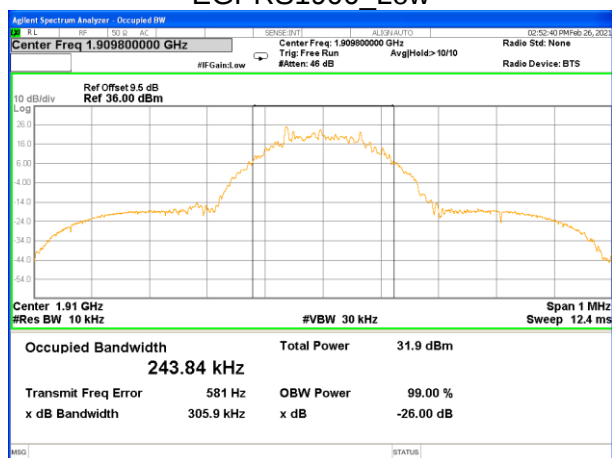
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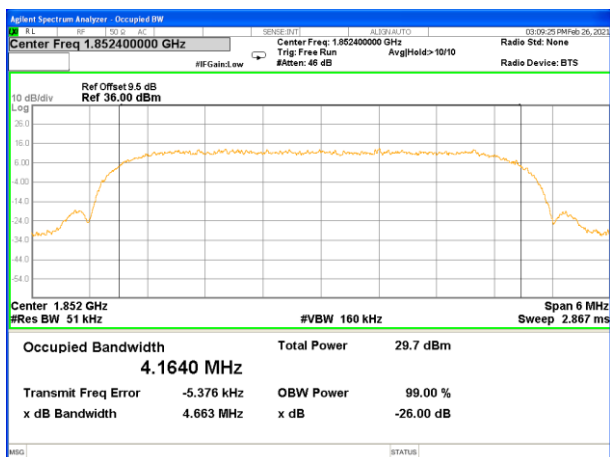
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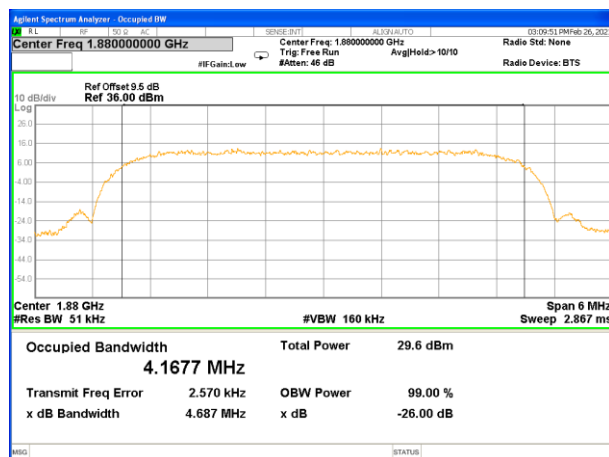
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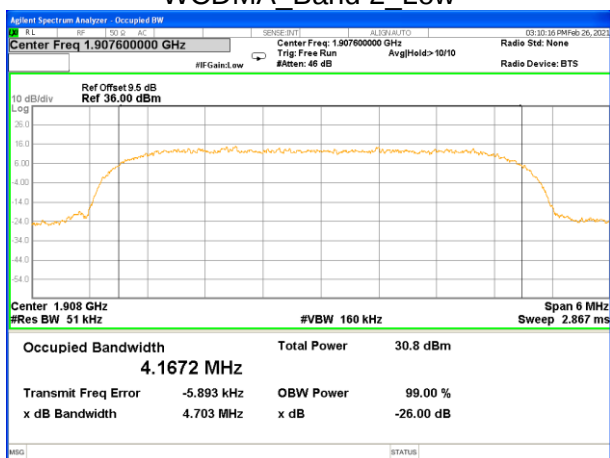
EGPRS1900_High



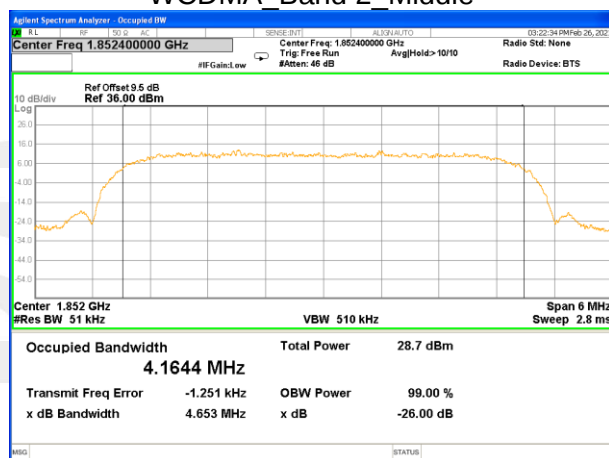
WCDMA_Band 2_Low



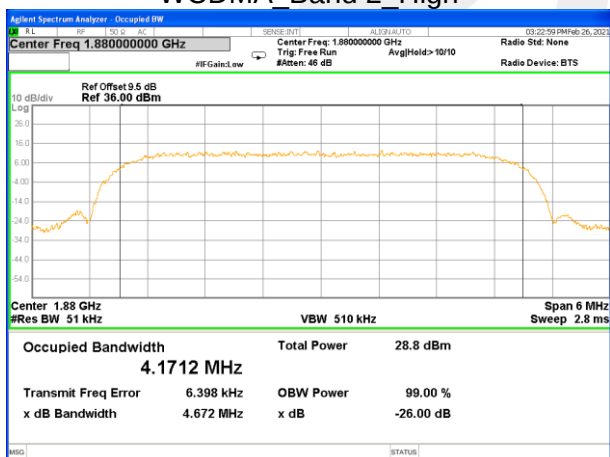
WCDMA_Band 2_Middle



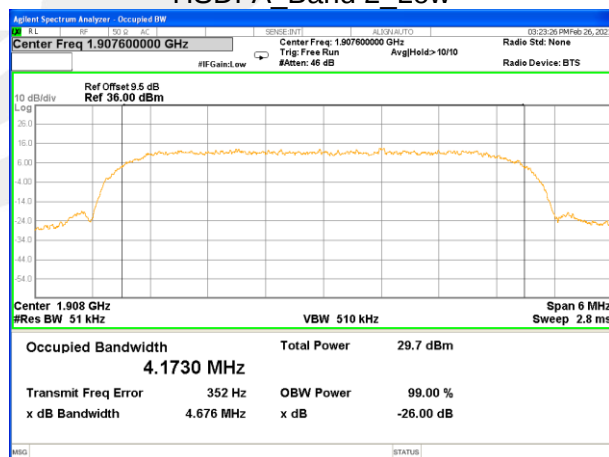
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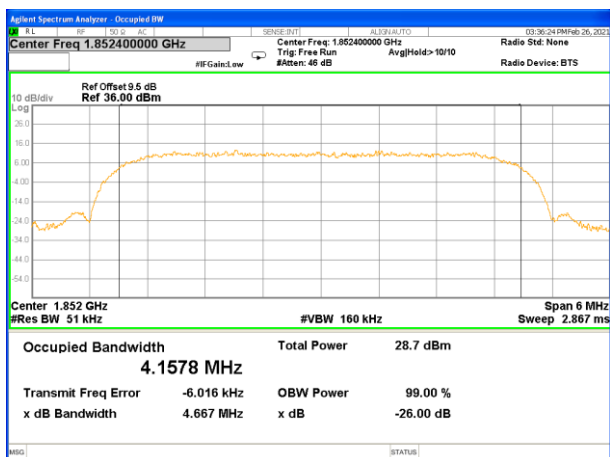
HSDPA_Band 2_Low



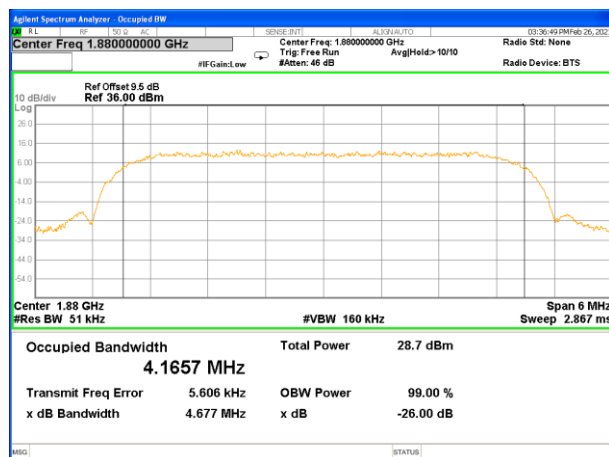
HSDPA_Band 2_Middle



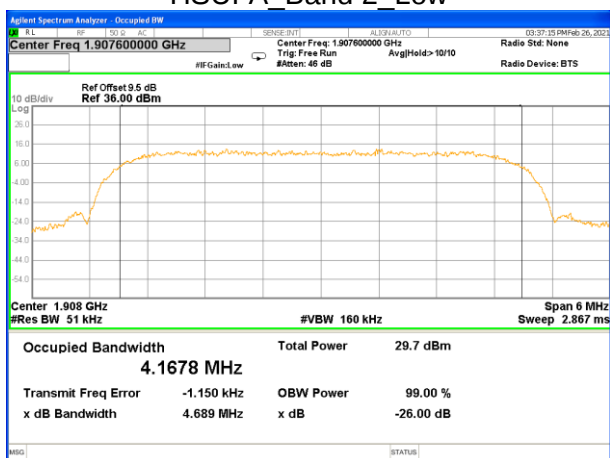
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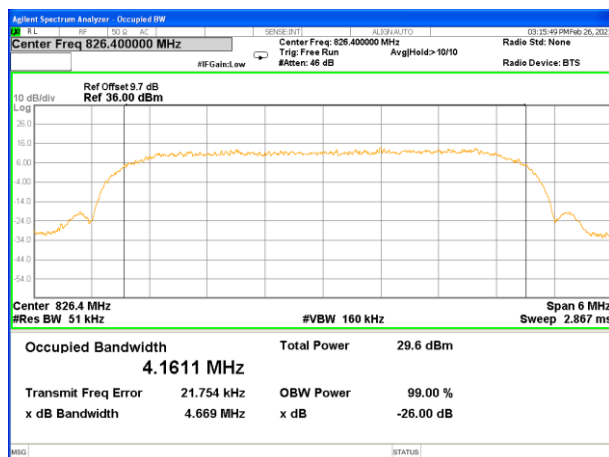
HSUPA_Band 2_Low



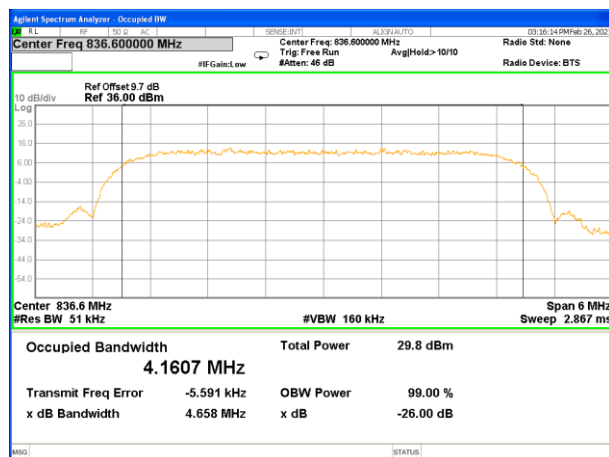
HSUPA_Band 2_Middle



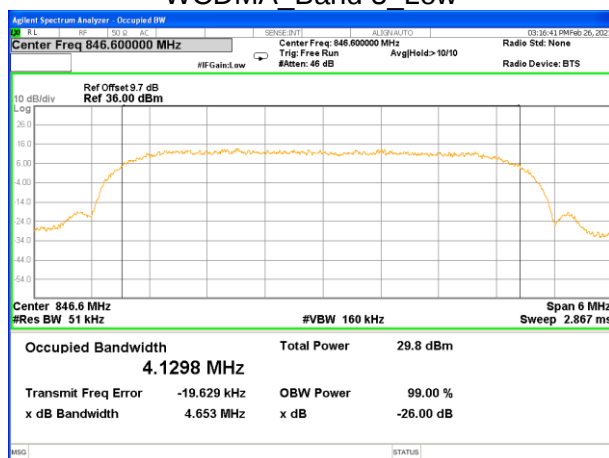
HSUPA_Band 2_High



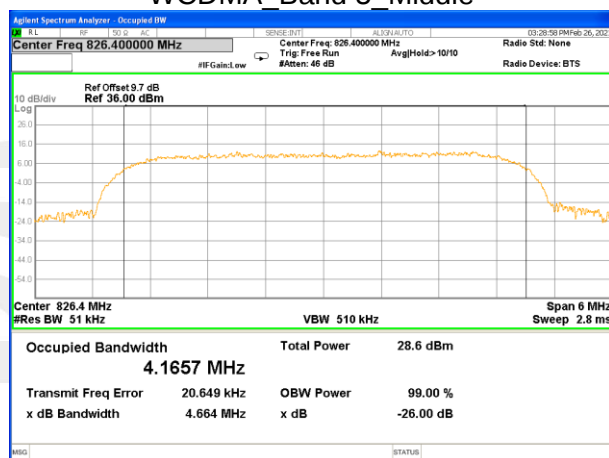
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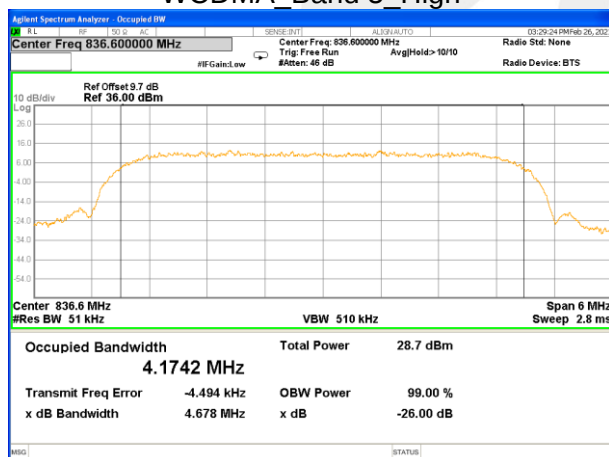
WCDMA_Band 5_Middle



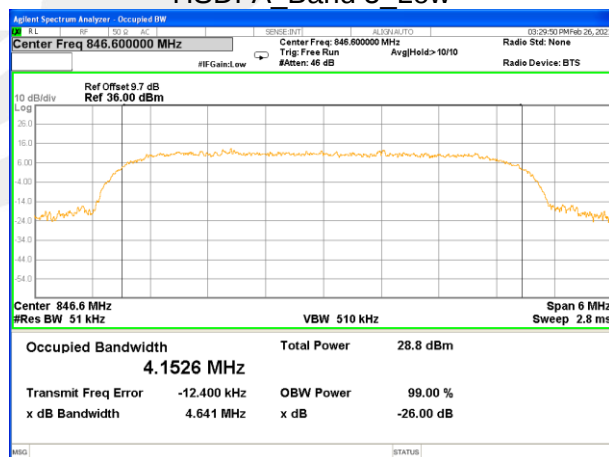
WCDMA_Band 5_High



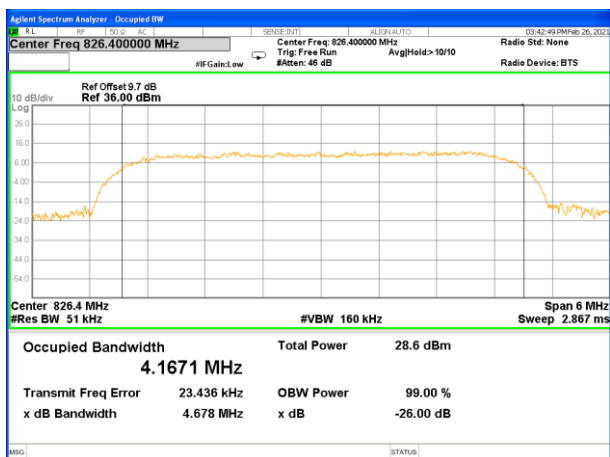
HSDPA_Band 5_Low



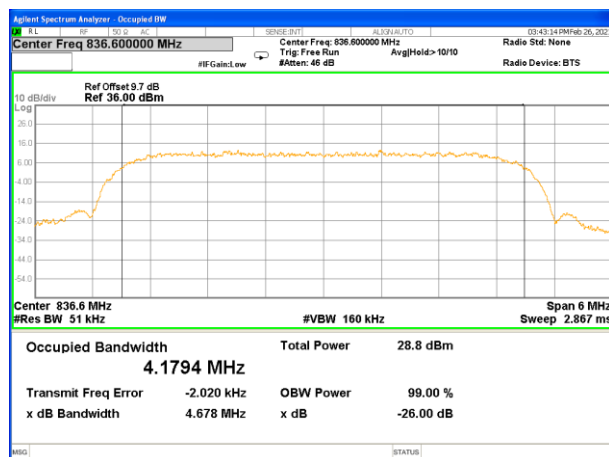
HSDPA_Band 5_Middle



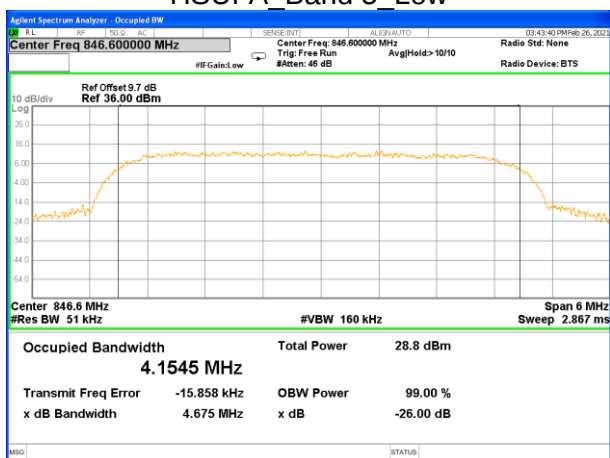
HSDPA_Band 5_High



HSUPA_Band 5_Low



HSUPA_Band 5_Middle



HSUPA_Band 5_High



A5. FREQUENCY STABILITY

Normal Voltage = 3.8V; Battery End Point (BEP) = 3.45V; Maximum Voltage = 4.35V

GSM 850 /836.6MHz					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	28.69	0.034	2.5ppm	PASS
40		25.20	0.030		
30		17.39	0.021		
20		30.67	0.037		
10		25.27	0.030		
0		21.22	0.025		
-10		25.73	0.031		
-20		20.95	0.025		
-30		15.04	0.018		
20	Maximum Voltage	34.54	0.041		
20	BEP	27.99	0.033		

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	35.37	0.042	2.5ppm	PASS
40		22.53	0.027		
30		12.18	0.015		
20		15.45	0.018		
10		11.60	0.014		
0		34.10	0.041		
-10		26.85	0.032		
-20		30.39	0.036		
-30		32.95	0.039		
20	Maximum Voltage	30.24	0.036		
20	BEP	19.77	0.024		

EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	21.28	0.025	2.5ppm	PASS
40		16.18	0.019		
30		27.51	0.033		
20		16.25	0.019		
10		11.50	0.014		
0		25.88	0.031		
-10		23.88	0.029		
-20		18.43	0.022		
-30		17.80	0.021		
20	Maximum Voltage	33.90	0.041		
20	BEP	11.93	0.014		



GSM 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	12.34	0.007	Within Authorized Band	PASS
40		31.60	0.017		
30		26.70	0.014		
20		36.16	0.019		
10		35.67	0.019		
0		22.52	0.012		
-10		30.32	0.016		
-20		34.26	0.018		
-30		27.95	0.015		
20	Maximum Voltage	19.32	0.010		
20	BEP	32.01	0.017		

GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	22.83	0.012	Within Authorized Band	PASS
40		31.00	0.016		
30		35.41	0.019		
20		24.67	0.013		
10		20.91	0.011		
0		29.94	0.016		
-10		19.65	0.010		
-20		30.57	0.016		
-30		30.15	0.016		
20	Maximum Voltage	12.37	0.007		
20	BEP	33.15	0.018		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	35.86	0.019	Within Authorized Band	PASS
40		14.54	0.008		
30		14.38	0.008		
20		33.76	0.018		
10		11.50	0.006		
0		21.15	0.011		
-10		30.63	0.016		
-20		23.93	0.013		
-30		33.87	0.018		
20	Maximum Voltage	36.11	0.019		
20	BEP	29.21	0.016		



UMTS Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	26.20	0.014	Within Authorized Band	PASS
40		18.23	0.010		
30		34.18	0.018		
20		14.71	0.008		
10		17.63	0.009		
0		29.76	0.016		
-10		13.26	0.007		
-20		26.50	0.014		
-30		31.46	0.017		
20	Maximum Voltage	11.78	0.006		
20	BEP	21.22	0.011		

HSDPA Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	16.60	0.009	Within Authorized Band	PASS
40		28.38	0.015		
30		35.06	0.019		
20		17.52	0.009		
10		17.12	0.009		
0		20.87	0.011		
-10		19.03	0.010		
-20		32.31	0.017		
-30		13.87	0.007		
20	Maximum Voltage	36.11	0.019		
20	BEP	34.41	0.018		

HSUPA Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	16.43	0.009	Within Authorized Band	PASS
40		34.47	0.018		
30		23.64	0.013		
20		16.29	0.009		
10		13.84	0.007		
0		20.17	0.011		
-10		30.42	0.016		
-20		30.39	0.016		
-30		23.28	0.012		
20	Maximum Voltage	20.95	0.011		
20	BEP	26.37	0.014		



UMTS Band 5 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	23.13	0.028	2.5ppm	PASS
40		25.66	0.031		
30		36.36	0.043		
20		19.04	0.023		
10		20.11	0.024		
0		29.17	0.035		
-10		14.02	0.017		
-20		29.86	0.036		
-30		15.78	0.019		
20	Maximum Voltage	14.06	0.017		
20	BEP	22.99	0.027		

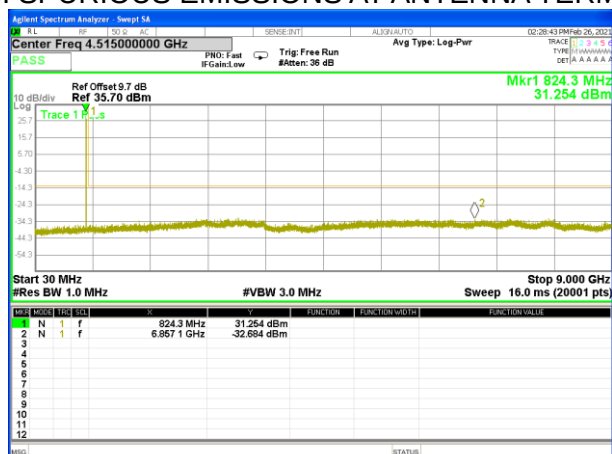
HSDPA Band 5 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	17.02	0.020	2.5ppm	PASS
40		35.85	0.043		
30		16.83	0.020		
20		15.32	0.018		
10		14.80	0.018		
0		12.95	0.015		
-10		32.48	0.039		
-20		14.07	0.017		
-30		16.80	0.020		
20	Maximum Voltage	26.40	0.032		
20	BEP	33.76	0.040		

HSUPA Band 5 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	23.36	0.028	2.5ppm	PASS
40		33.63	0.040		
30		28.45	0.034		
20		33.68	0.040		
10		26.44	0.032		
0		13.24	0.016		
-10		12.19	0.015		
-20		16.91	0.020		
-30		21.71	0.026		
20	Maximum Voltage	27.50	0.033		
20	BEP	12.36	0.015		

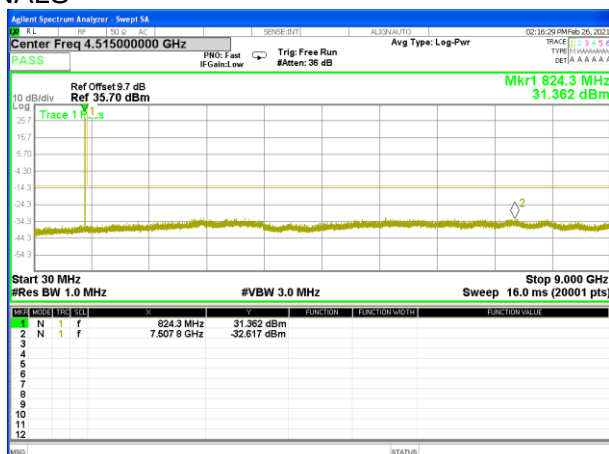
1. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



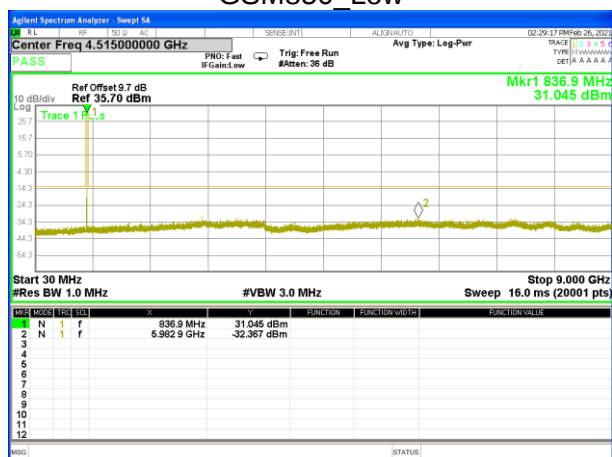
A6. SPURIOUS EMISSIONS AT ANTENNA TERMINALS



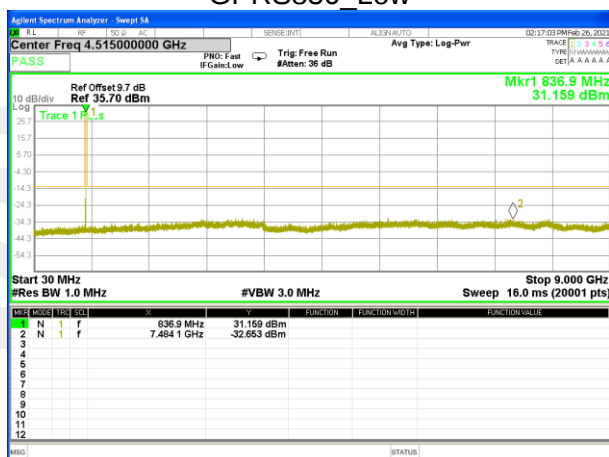
GSM850_Low



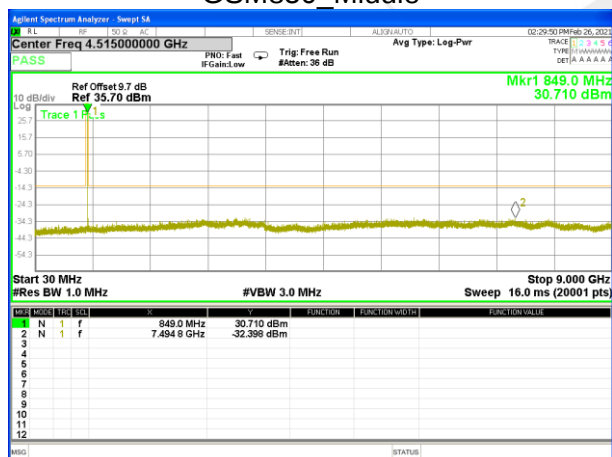
GPRS850_Low



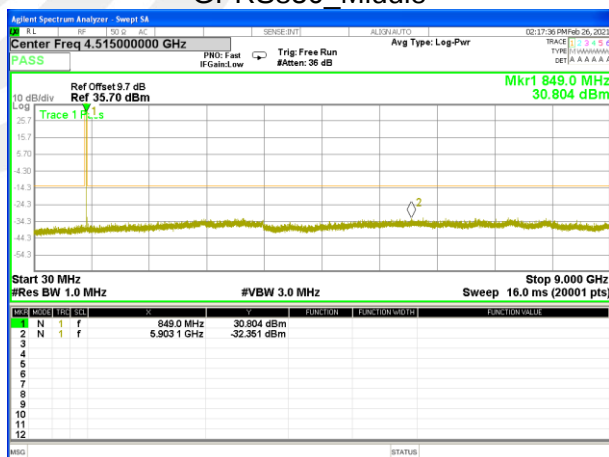
GSM850_Middle



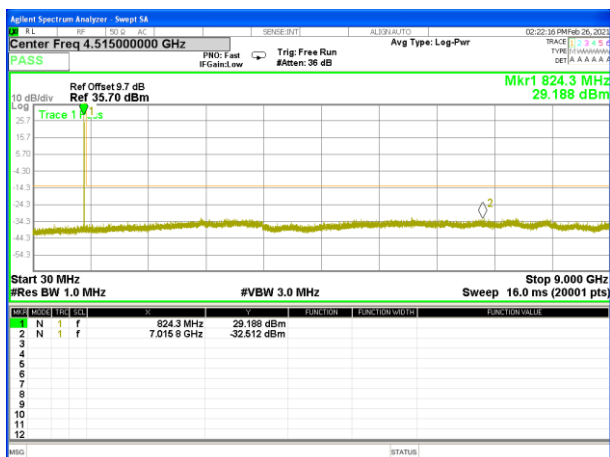
GPRS850_Middle



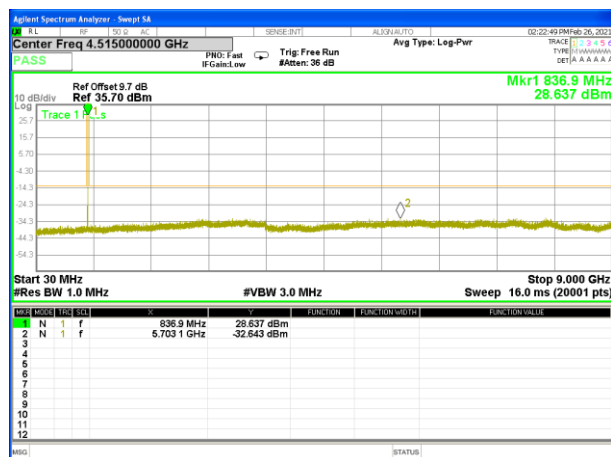
GSM850_High



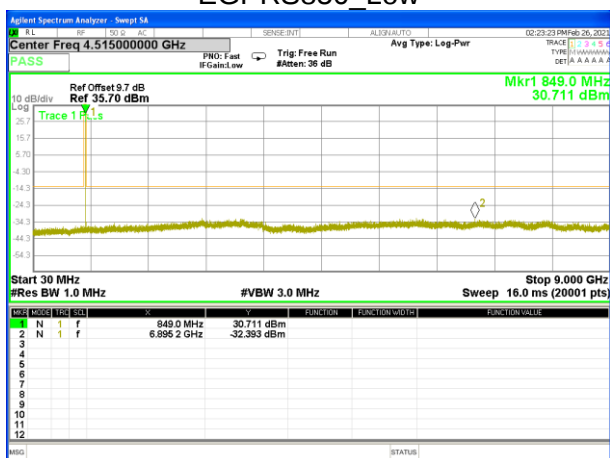
GPRS850_High



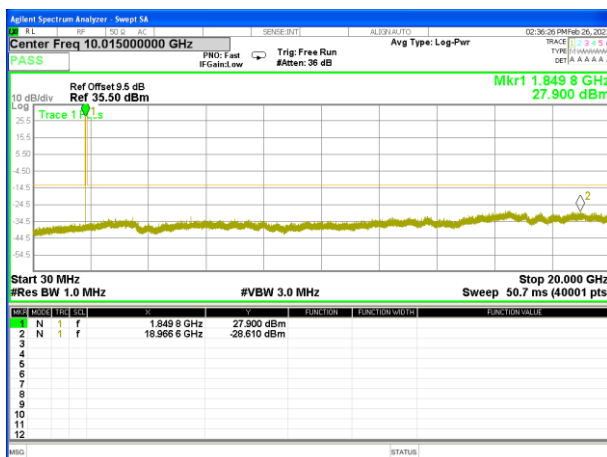
EGPRS850_Low



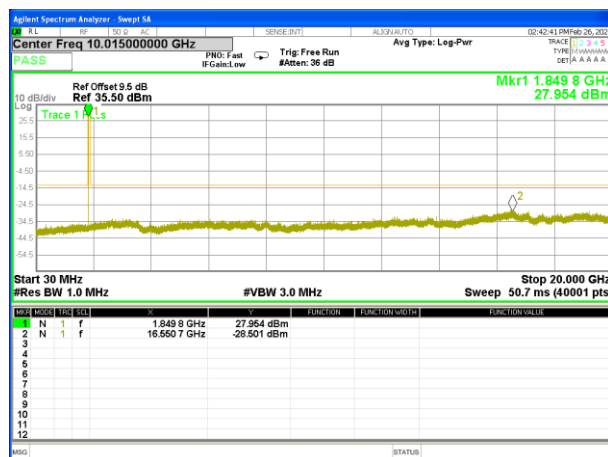
EGPRS850_Middle



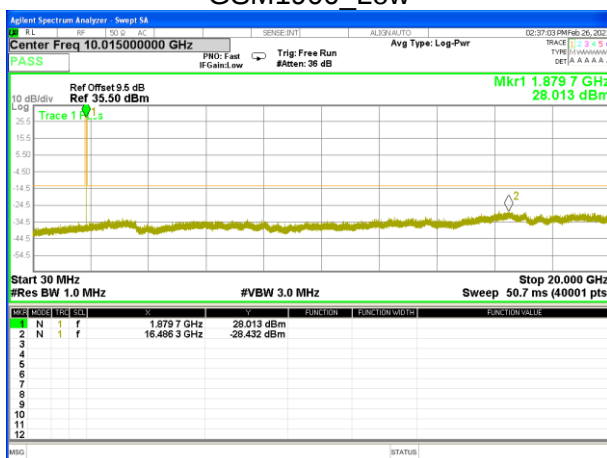
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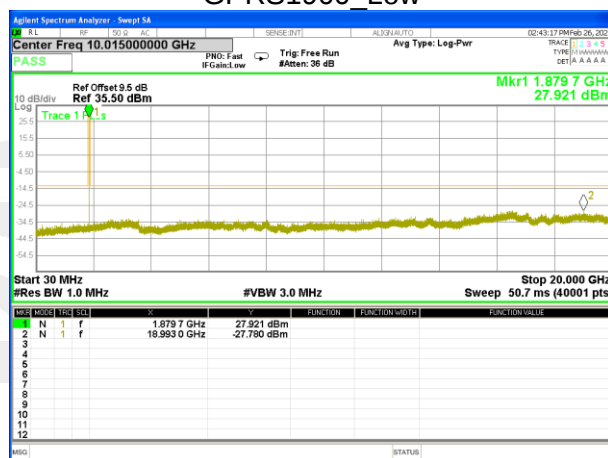
GSM1900_Low



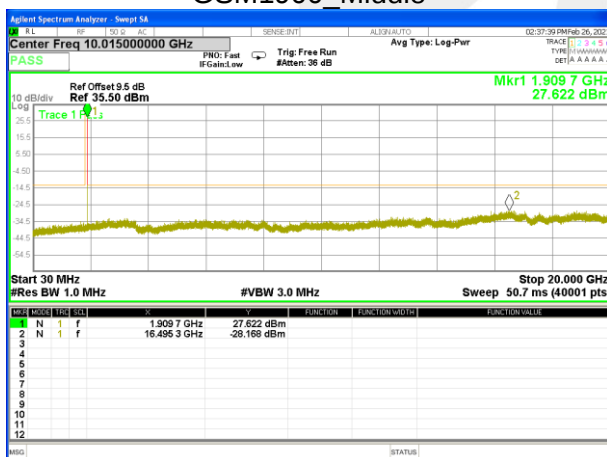
GPRS1900_Low



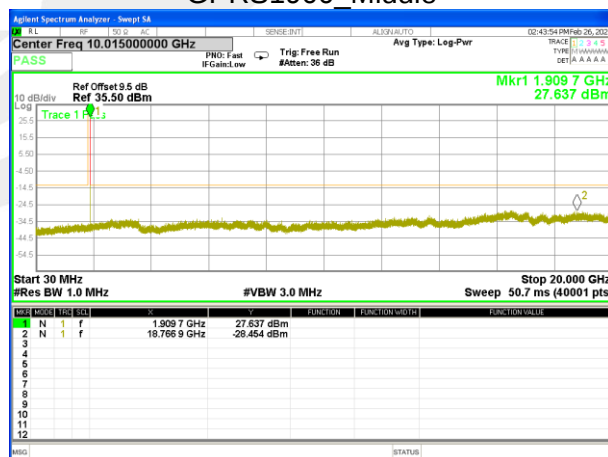
GSM1900_Middle



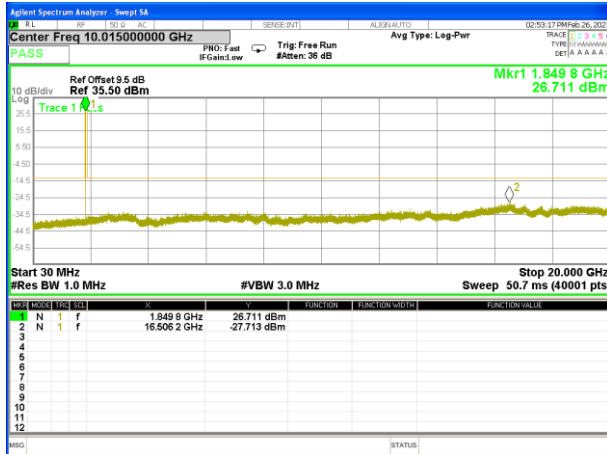
GPRS1900_Middle



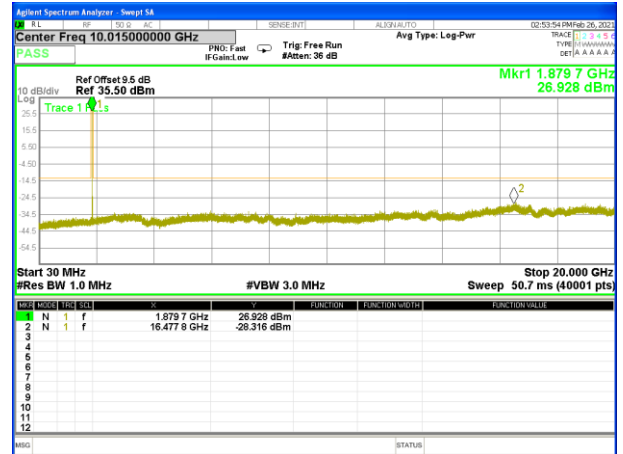
GSM1900_High



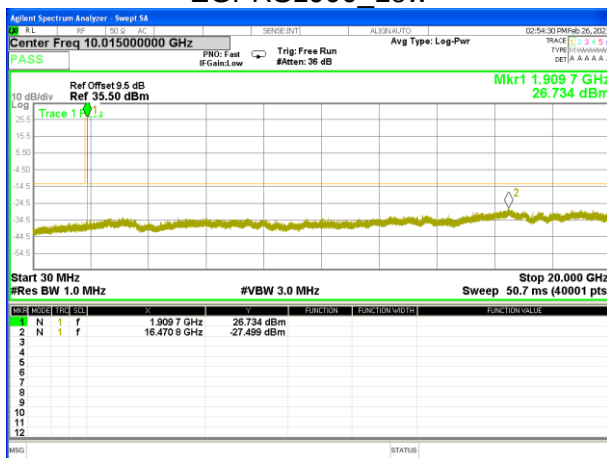
GPRS1900_High



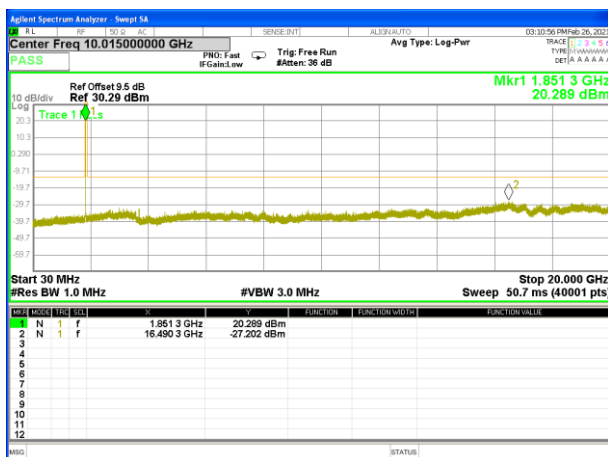
EGPRS1900_Low



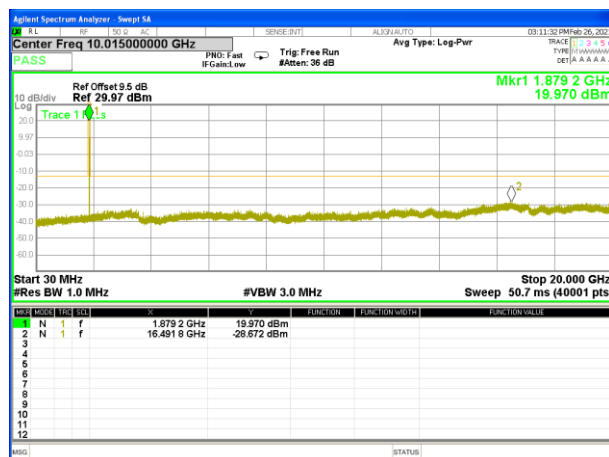
EGPRS1900_Middle



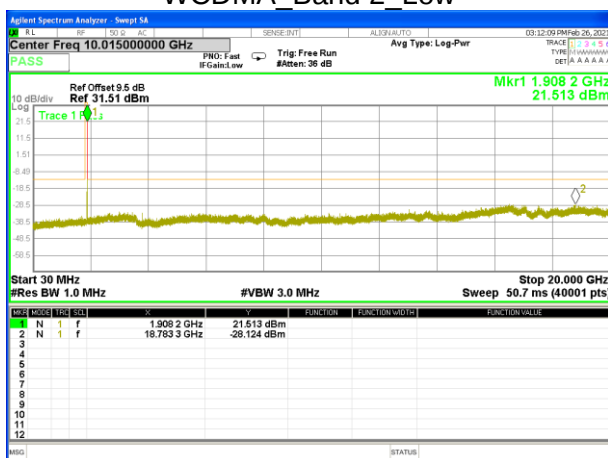
EGPRS1900_High



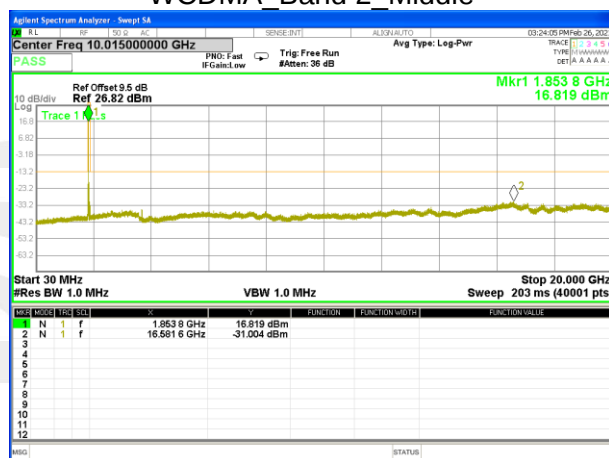
WCDMA_Band 2_Low



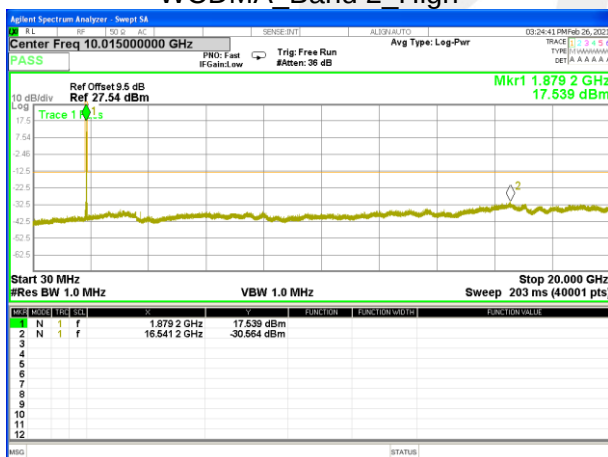
WCDMA_Band 2_Middle



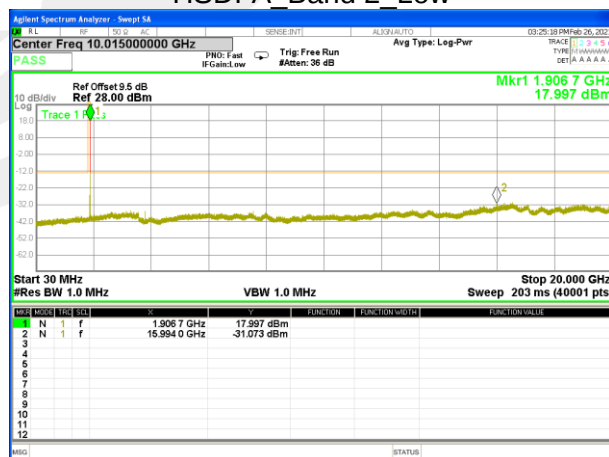
WCDMA_Band 2_High



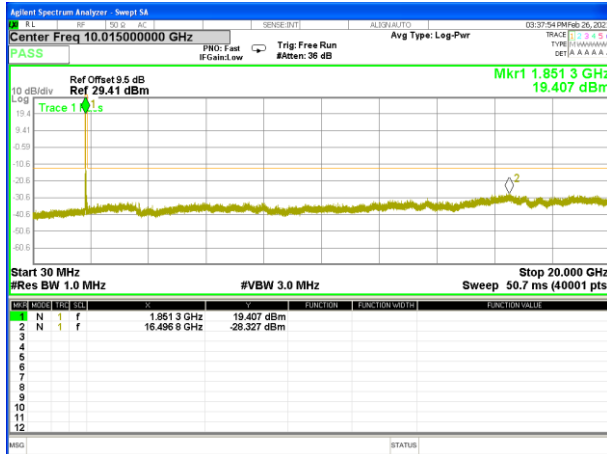
HSDPA_Band 2_Low



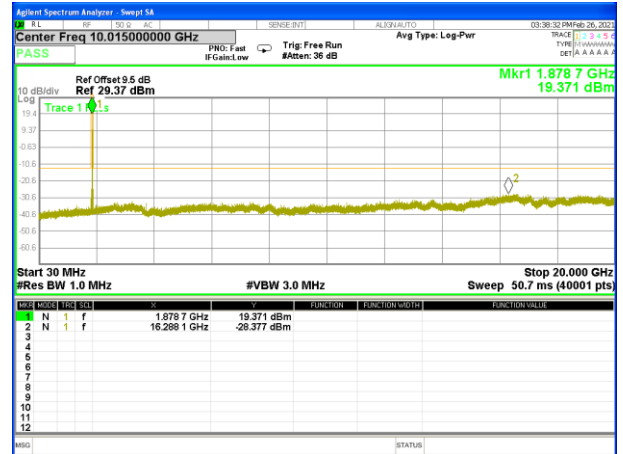
HSDPA_Band 2_Middle



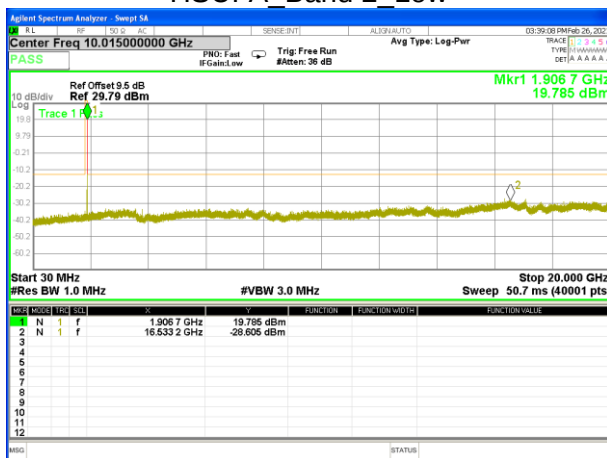
HSDPA_Band 2_High



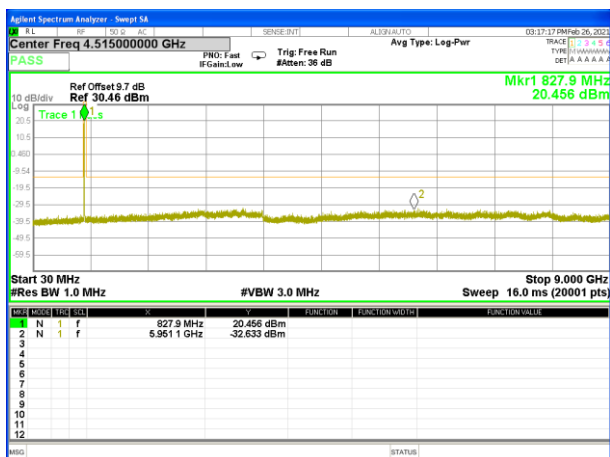
HSUPA_Band 2_Low



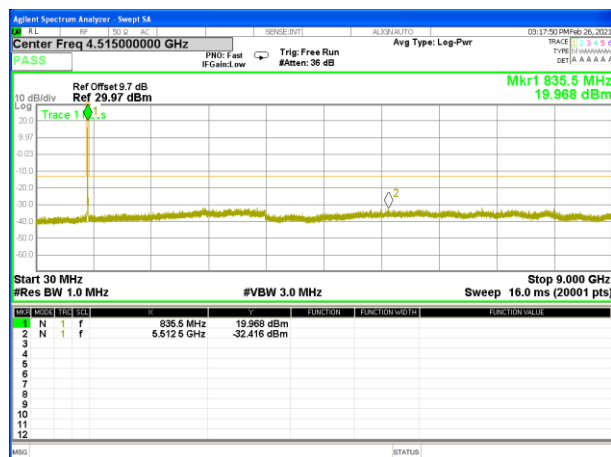
HSUPA_Band 2_Middle



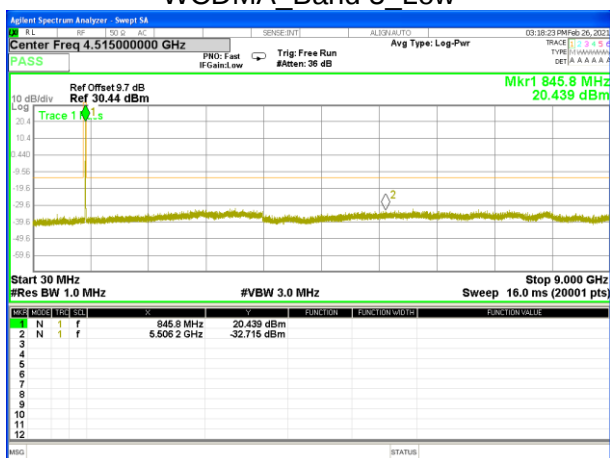
HSUPA_Band 2_High



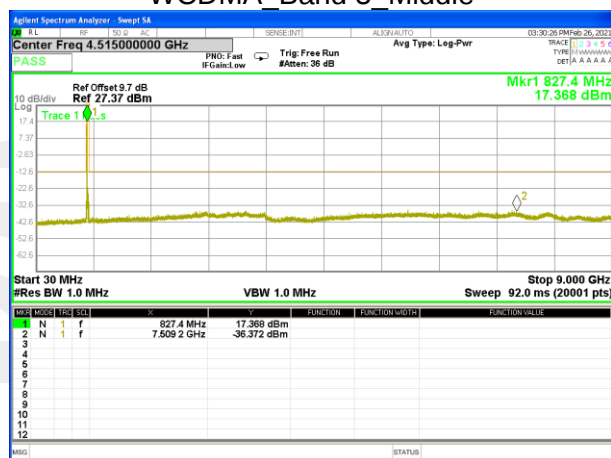
WCDMA_Band 5_Low



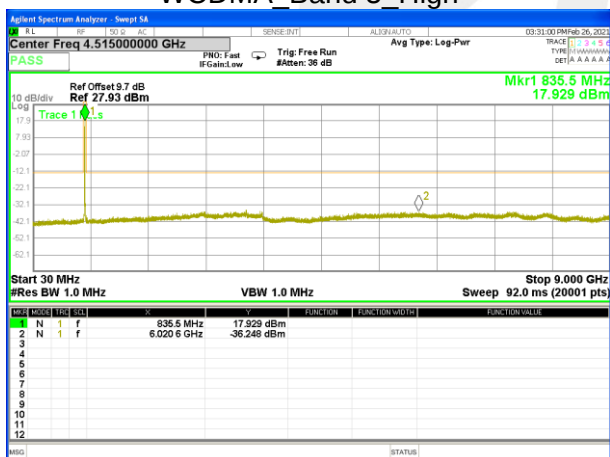
WCDMA_Band 5_Middle



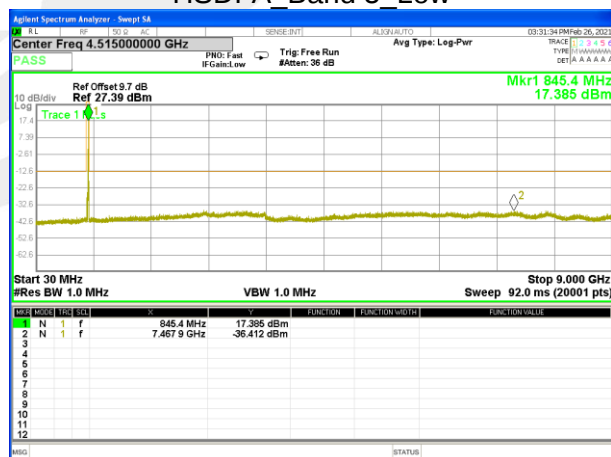
WCDMA_Band 5_High



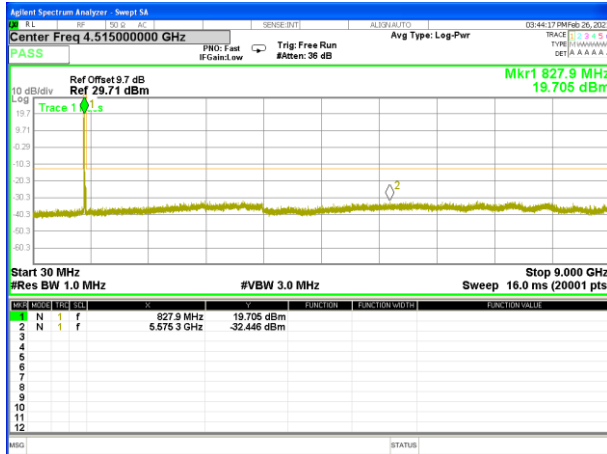
HSDPA_Band 5_Low



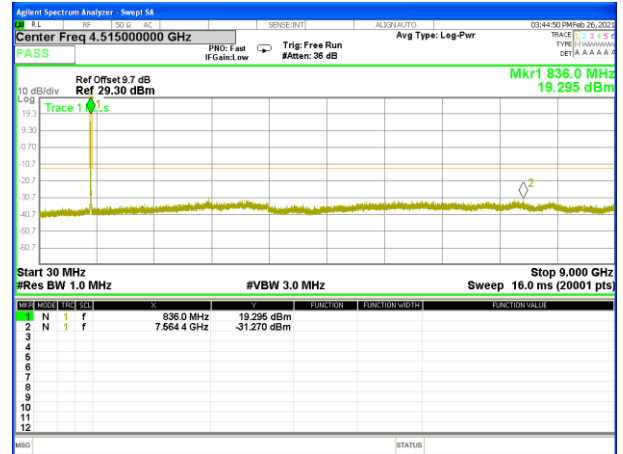
HSDPA_Band 5_Middle



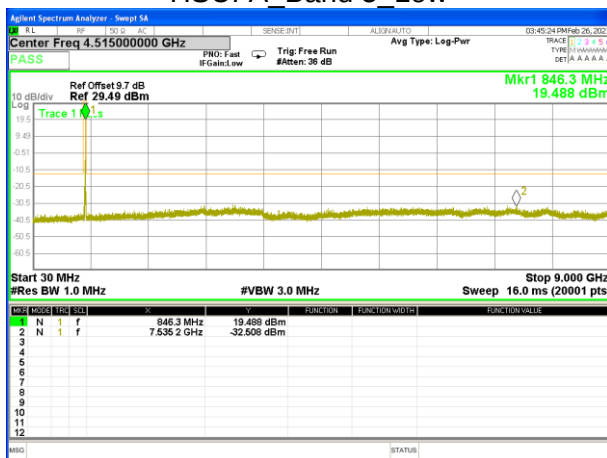
HSDPA_Band 5_High



HSUPA_Band 5_Low



HSUPA_Band 5_Middle



HSUPA_Band 5_High



A7. BAND EDGE



GSM850_Low



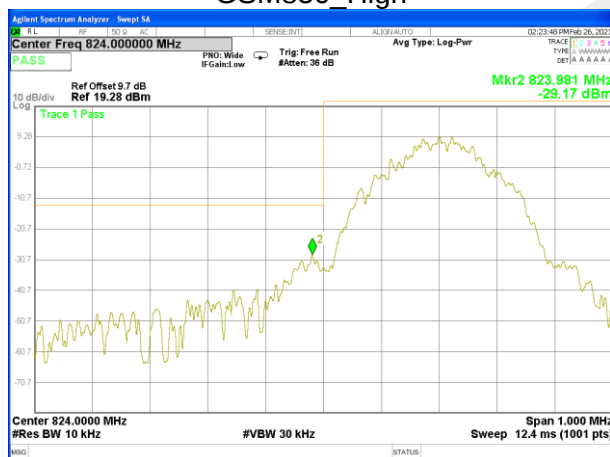
GPRS850_Low



GSM850_High



GPRS850_High



EGPRS850_Low



EGPRS850_High



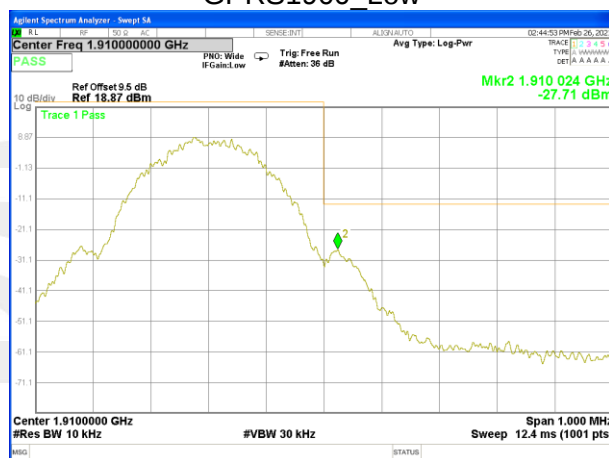
GSM1900_Low



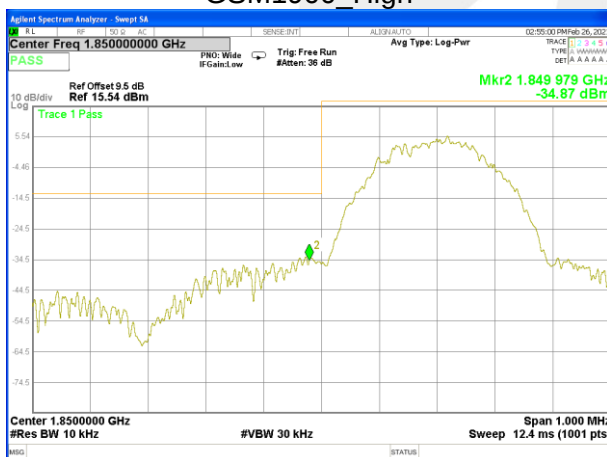
GPRS1900_Low



GSM1900_High



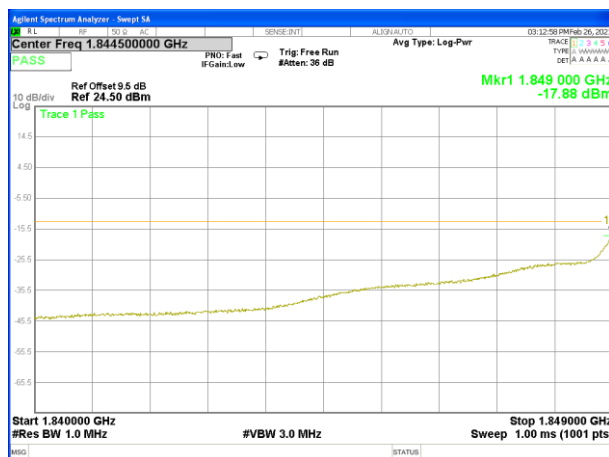
GPRS1900_High



EGPRS1900_Low



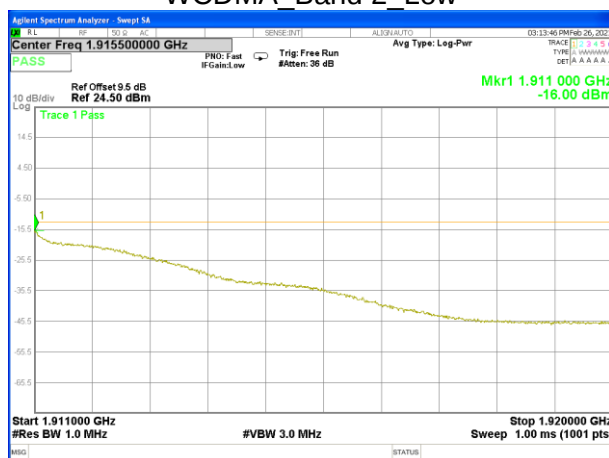
EGPRS1900_High



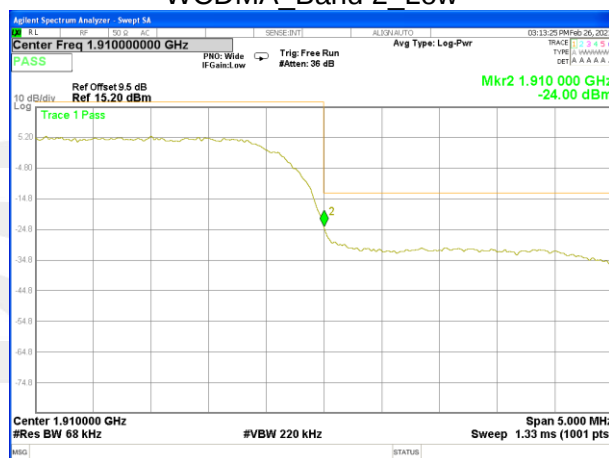
WCDMA_Band 2_Low



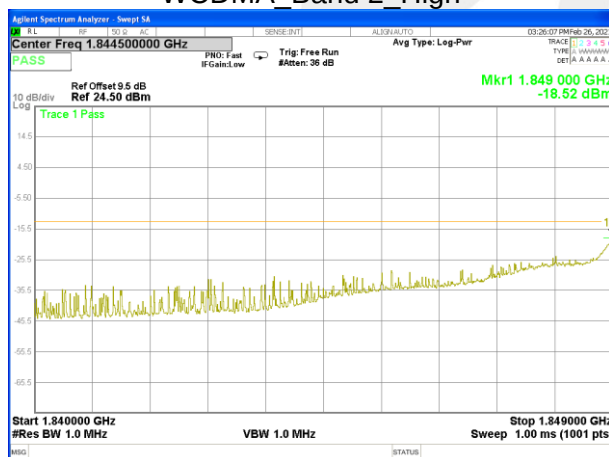
WCDMA_Band 2_Low



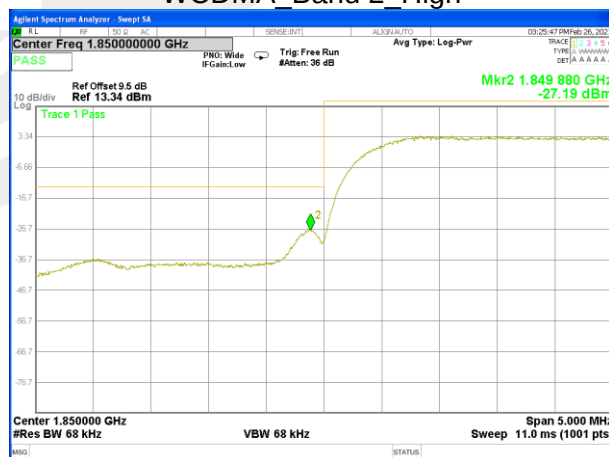
WCDMA_Band 2_High



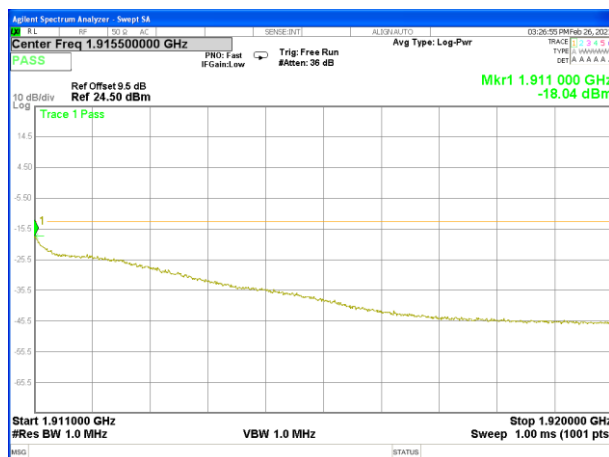
WCDMA_Band 2_High



HSDPA_Band 2_Low



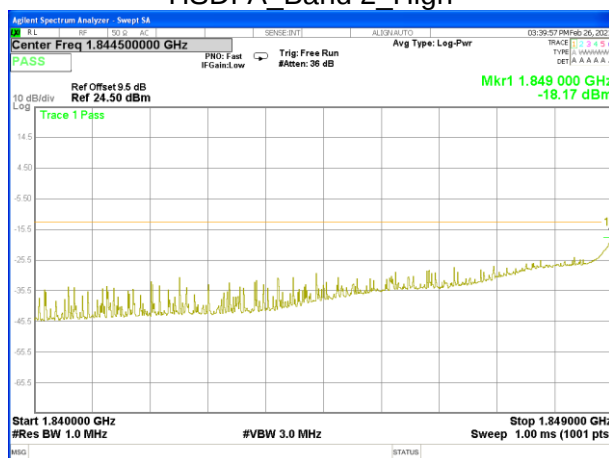
HSDPA_Band 2_Low



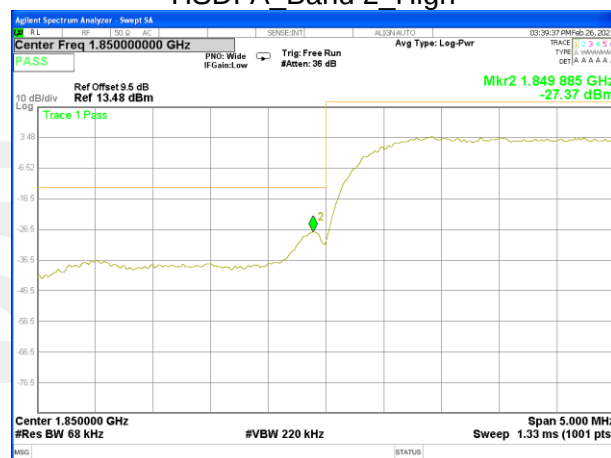
HSDPA_Band 2_High



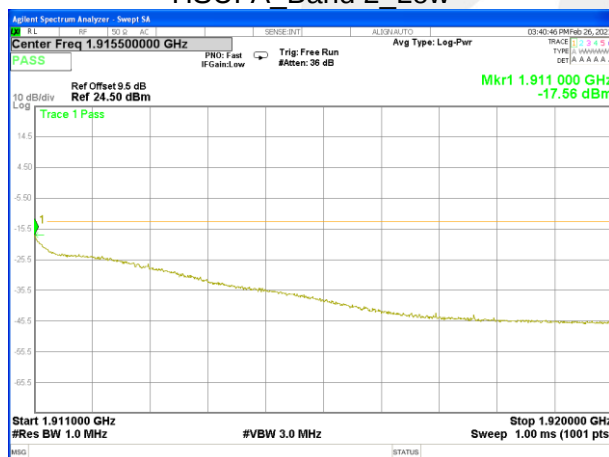
HSDPA_Band 2_High



HSDPA_Band 2_High



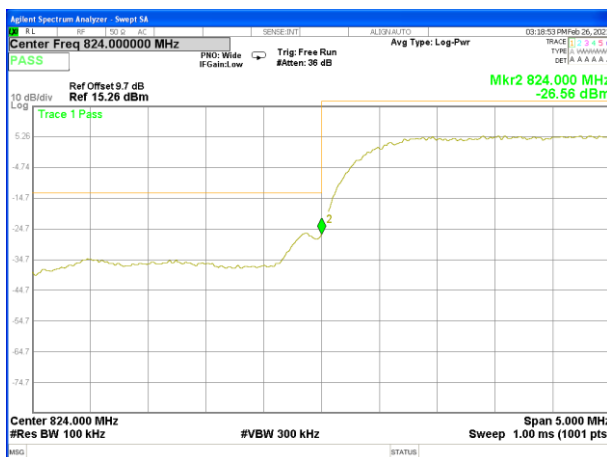
HSDPA_Band 2_High



HSUPA_Band 2_Low



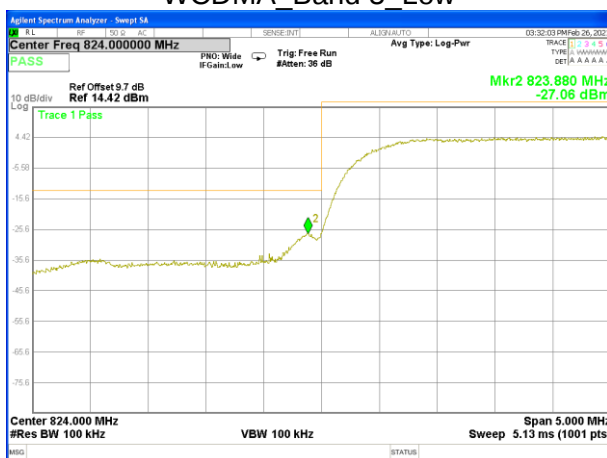
HSUPA_Band 2_Low



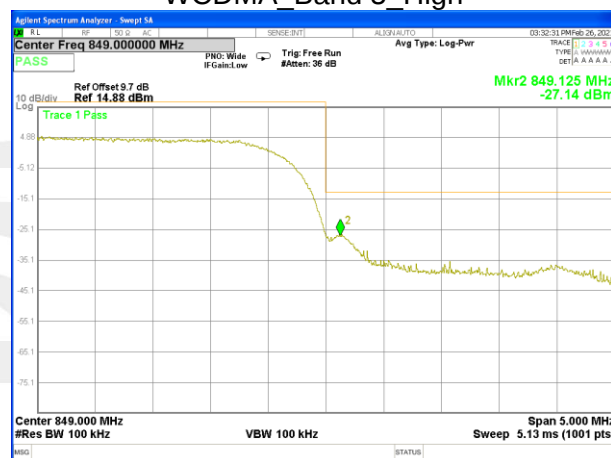
WCDMA_Band 5_Low



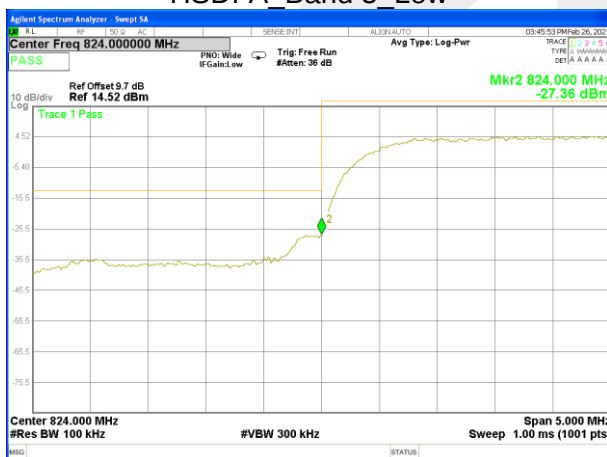
WCDMA_Band 5_High



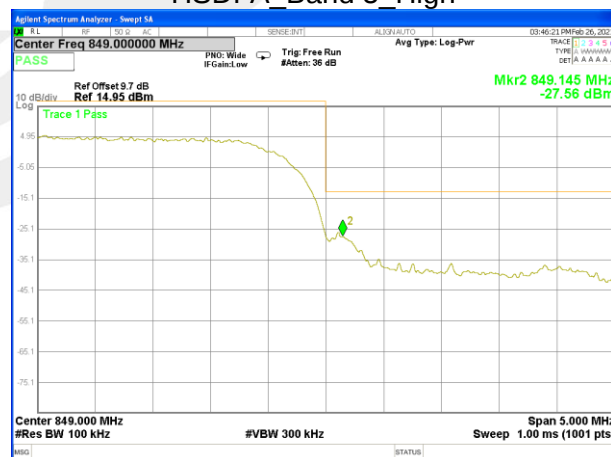
HSDPA_Band 5_Low



HSDPA_Band 5_High



HSUPA_Band 5_Low



HSUPA_Band 5_High



A8. FIELD STRENGTH OF SPURIOUS RADIATION MEASUREMENT

Note: (1) Spurious emissions which are attenuated by more than 20dB below the permissible value for frequency below 1000MHz.

(2) Above 3.5GHz amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value

(3) Test is divided into three directions, X/Y/Z. X pattern for the worst.

GSM 850: (30-9000)MHz							
The Worst Test Results Channel 128/824.2 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1648.10	-40.57	9.40	4.75	-35.92	-13.00	-22.92	H
2472.53	-39.97	10.60	8.39	-37.76	-13.00	-24.76	H
3296.88	-31.77	12.00	11.79	-31.56	-13.00	-18.56	H
1648.50	-44.55	9.40	4.75	-39.90	-13.00	-26.90	V
2472.43	-44.61	10.60	8.39	-42.40	-13.00	-29.40	V
3296.73	-42.87	12.00	11.79	-42.66	-13.00	-29.66	V
The Worst Test Results Channel 190/836.6 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.86	-40.96	9.50	4.76	-36.22	-13.00	-23.22	H
2509.83	-40.10	10.70	8.40	-37.80	-13.00	-24.80	H
3346.07	-31.38	12.20	11.80	-30.98	-13.00	-17.98	H
1673.24	-43.57	9.40	4.75	-38.92	-13.00	-25.92	V
2509.42	-44.13	10.60	8.39	-41.92	-13.00	-28.92	V
3346.07	-43.14	12.20	11.82	-42.76	-13.00	-29.76	V
The Worst Test Results Channel 251/848.8 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1697.37	-41.33	9.60	4.77	-36.50	-13.00	-23.50	H
2546.07	-39.30	10.80	8.50	-37.00	-13.00	-24.00	H
3395.05	-30.85	12.50	11.90	-30.25	-13.00	-17.25	H
1697.68	-43.70	9.60	4.77	-38.87	-13.00	-25.87	V
2546.08	-45.21	10.80	8.50	-42.91	-13.00	-29.91	V
3395.14	-43.69	12.50	11.90	-43.09	-13.00	-30.09	V



GPRS 850: (30-9000)MHz							
The Worst Test Results Channel 128/824.2 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1648.16	-41.20	9.40	4.75	-36.55	-13.00	-23.55	H
2472.60	-39.88	10.60	8.39	-37.67	-13.00	-24.67	H
3296.69	-31.29	12.00	11.79	-31.08	-13.00	-18.08	H
1648.23	-43.26	9.40	4.75	-38.61	-13.00	-25.61	V
2472.44	-44.03	10.60	8.39	-41.82	-13.00	-28.82	V
3296.88	-43.40	12.00	11.79	-43.19	-13.00	-30.19	V
The Worst Test Results Channel 190/836.6 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1673.12	-40.47	9.50	4.76	-35.73	-13.00	-22.73	H
2509.88	-39.18	10.70	8.40	-36.88	-13.00	-23.88	H
3346.33	-31.33	12.20	11.80	-30.93	-13.00	-17.93	H
1672.82	-44.35	9.40	4.75	-39.70	-13.00	-26.70	V
2509.88	-45.40	10.60	8.39	-43.19	-13.00	-30.19	V
3346.04	-42.84	12.20	11.82	-42.46	-13.00	-29.46	V
The Worst Test Results Channel 251/848.8 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1697.31	-40.38	9.60	4.77	-35.55	-13.00	-22.55	H
2546.15	-40.20	10.80	8.50	-37.90	-13.00	-24.90	H
3395.06	-31.43	12.50	11.90	-30.83	-13.00	-17.83	H
1697.31	-43.88	9.60	4.77	-39.05	-13.00	-26.05	V
2546.31	-45.33	10.80	8.50	-43.03	-13.00	-30.03	V
3395.15	-43.42	12.50	11.90	-42.82	-13.00	-29.82	V



EGPRS 850: (30-9000)MHz							
The Worst Test Results Channel 128/824.2 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1648.25	-40.32	9.40	4.75	-35.67	-13.00	-22.67	H
2472.52	-40.06	10.60	8.39	-37.85	-13.00	-24.85	H
3296.65	-31.62	12.00	11.79	-31.41	-13.00	-18.41	H
1648.40	-44.55	9.40	4.75	-39.90	-13.00	-26.90	V
2472.53	-45.04	10.60	8.39	-42.83	-13.00	-29.83	V
3296.84	-42.78	12.00	11.79	-42.57	-13.00	-29.57	V
The Worst Test Results Channel 190/836.6 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1673.14	-40.43	9.50	4.76	-35.69	-13.00	-22.69	H
2509.84	-39.45	10.70	8.40	-37.15	-13.00	-24.15	H
3346.21	-32.30	12.20	11.80	-31.90	-13.00	-18.90	H
1672.82	-44.31	9.40	4.75	-39.66	-13.00	-26.66	V
2509.72	-44.11	10.60	8.39	-41.90	-13.00	-28.90	V
3346.40	-42.86	12.20	11.82	-42.48	-13.00	-29.48	V
The Worst Test Results Channel 251/848.8 MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1697.24	-40.80	9.60	4.77	-35.97	-13.00	-22.97	H
2546.08	-40.25	10.80	8.50	-37.95	-13.00	-24.95	H
3394.97	-31.49	12.50	11.90	-30.89	-13.00	-17.89	H
1697.55	-44.09	9.60	4.77	-39.26	-13.00	-26.26	V
2546.29	-44.29	10.80	8.50	-41.99	-13.00	-28.99	V
3395.08	-43.79	12.50	11.90	-43.19	-13.00	-30.19	V



DCS 1900: (30-20000)MHz							
The Worst Test Results for Channel 512/1850.2MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3700.05	-34.16	12.60	12.93	-34.49	-13.00	-21.49	H
5550.52	-34.99	13.10	17.11	-39.00	-13.00	-26.00	H
7400.65	-33.22	11.50	22.20	-43.92	-13.00	-30.92	H
3700.03	-35.23	12.60	12.93	-35.56	-13.00	-22.56	V
5550.41	-35.19	13.10	17.11	-39.20	-13.00	-26.20	V
7400.67	-32.34	11.50	22.20	-43.04	-13.00	-30.04	V
The Worst Test Results for Channel 661/1880.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3759.94	-34.12	12.60	12.93	-34.45	-13.00	-21.45	H
5640.08	-35.15	13.10	17.11	-39.16	-13.00	-26.16	H
7519.85	-33.40	11.50	22.20	-44.10	-13.00	-31.10	H
3760.22	-35.91	12.60	12.93	-36.24	-13.00	-23.24	V
5640.14	-34.34	13.10	17.11	-38.35	-13.00	-25.35	V
7519.98	-32.64	11.50	22.20	-43.34	-13.00	-30.34	V
The Worst Test Results for Channel 810/1909.8MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3819.55	-34.27	12.60	12.93	-34.60	-13.00	-21.60	H
5729.16	-34.75	13.10	17.11	-38.76	-13.00	-25.76	H
7639.27	-32.76	11.50	22.20	-43.46	-13.00	-30.46	H
3819.61	-34.86	12.60	12.93	-35.19	-13.00	-22.19	V
5729.17	-33.77	13.10	17.11	-37.78	-13.00	-24.78	V
7639.19	-32.89	11.50	22.20	-43.59	-13.00	-30.59	V



GPRS1900: (30-20000)MHz							
The Worst Test Results for Channel 512/1850.2MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3700.18	-34.40	12.60	12.93	-34.73	-13.00	-21.73	H
5550.46	-34.68	13.10	17.11	-38.69	-13.00	-25.69	H
7400.93	-32.82	11.50	22.20	-43.52	-13.00	-30.52	H
3700.19	-35.47	12.60	12.93	-35.80	-13.00	-22.80	V
5550.31	-34.90	13.10	17.11	-38.91	-13.00	-25.91	V
7401.00	-32.46	11.50	22.20	-43.16	-13.00	-30.16	V
The Worst Test Results for Channel 661/1880.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3759.90	-33.87	12.60	12.93	-34.20	-13.00	-21.20	H
5640.23	-34.09	13.10	17.11	-38.10	-13.00	-25.10	H
7519.94	-32.56	11.50	22.20	-43.26	-13.00	-30.26	H
3760.07	-35.03	12.60	12.93	-35.36	-13.00	-22.36	V
5640.21	-34.11	13.10	17.11	-38.12	-13.00	-25.12	V
7519.94	-33.11	11.50	22.20	-43.81	-13.00	-30.81	V
The Worst Test Results for Channel 810/1909.8MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3819.28	-34.70	12.60	12.93	-35.03	-13.00	-22.03	H
5729.05	-34.19	13.10	17.11	-38.20	-13.00	-25.20	H
7639.23	-32.35	11.50	22.20	-43.05	-13.00	-30.05	H
3819.43	-35.71	12.60	12.93	-36.04	-13.00	-23.04	V
5729.13	-35.05	13.10	17.11	-39.06	-13.00	-26.06	V
7639.15	-32.81	11.50	22.20	-43.51	-13.00	-30.51	V



EGPRS 1900: (30-20000)MHz							
The Worst Test Results for Channel 512/1850.2MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3700.24	-34.72	12.60	12.93	-35.05	-13.00	-22.05	H
5550.24	-34.88	13.10	17.11	-38.89	-13.00	-25.89	H
7400.85	-32.52	11.50	22.20	-43.22	-13.00	-30.22	H
3700.37	-35.76	12.60	12.93	-36.09	-13.00	-23.09	V
5550.50	-33.92	13.10	17.11	-37.93	-13.00	-24.93	V
7400.81	-33.13	11.50	22.20	-43.83	-13.00	-30.83	V
The Worst Test Results for Channel 661/1880.0MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3760.17	-33.99	12.60	12.93	-34.32	-13.00	-21.32	H
5640.27	-34.43	13.10	17.11	-38.44	-13.00	-25.44	H
7519.83	-33.32	11.50	22.20	-44.02	-13.00	-31.02	H
3760.33	-35.32	12.60	12.93	-35.65	-13.00	-22.65	V
5639.97	-35.07	13.10	17.11	-39.08	-13.00	-26.08	V
7520.10	-32.11	11.50	22.20	-42.81	-13.00	-29.81	V
The Worst Test Results for Channel 810/1909.8MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3819.48	-34.26	12.60	12.93	-34.59	-13.00	-21.59	H
5729.17	-35.12	13.10	17.11	-39.13	-13.00	-26.13	H
7639.03	-33.17	11.50	22.20	-43.87	-13.00	-30.87	H
3819.39	-34.81	12.60	12.93	-35.14	-13.00	-22.14	V
5729.41	-35.20	13.10	17.11	-39.21	-13.00	-26.21	V
7639.00	-32.24	11.50	22.20	-42.94	-13.00	-29.94	V



WCDMA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1652.33	-40.16	9.40	4.75	-35.51	-13.00	-22.51	H
2479.49	-39.67	10.60	8.39	-37.46	-13.00	-24.46	H
3305.69	-31.67	12.00	11.79	-31.46	-13.00	-18.46	H
1652.11	-43.30	9.40	4.75	-38.65	-13.00	-25.65	V
2479.59	-44.92	10.60	8.39	-42.71	-13.00	-29.71	V
3305.63	-43.69	12.00	11.79	-43.48	-13.00	-30.48	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.91	-41.41	9.40	4.75	-36.76	-13.00	-23.76	H
2509.47	-39.87	10.60	8.39	-37.66	-13.00	-24.66	H
3346.12	-32.33	12.00	11.79	-32.12	-13.00	-19.12	H
1673.20	-43.60	9.40	4.75	-38.95	-13.00	-25.95	V
2509.47	-44.71	10.60	8.39	-42.50	-13.00	-29.50	V
3346.09	-43.30	12.00	11.79	-43.09	-13.00	-30.09	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1693.49	-40.48	9.40	4.75	-35.83	-13.00	-22.83	H
2539.50	-40.12	10.60	8.39	-37.91	-13.00	-24.91	H
3385.86	-32.22	12.00	11.79	-32.01	-13.00	-19.01	H
1693.24	-44.29	9.40	4.75	-39.64	-13.00	-26.64	V
2539.35	-44.16	10.60	8.39	-41.95	-13.00	-28.95	V
3386.08	-43.80	12.00	11.79	-43.59	-13.00	-30.59	V



HSUPA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1652.34	-41.51	9.40	4.75	-36.86	-13.00	-23.86	H
2479.28	-40.31	10.60	8.39	-38.10	-13.00	-25.10	H
3305.91	-32.35	12.00	11.79	-32.14	-13.00	-19.14	H
1652.27	-43.92	9.40	4.75	-39.27	-13.00	-26.27	V
2479.30	-44.92	10.60	8.39	-42.71	-13.00	-29.71	V
3305.46	-42.60	12.00	11.79	-42.39	-13.00	-29.39	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1672.82	-40.21	9.40	4.75	-35.56	-13.00	-22.56	H
2509.75	-39.68	10.60	8.39	-37.47	-13.00	-24.47	H
3346.24	-30.96	12.00	11.79	-30.75	-13.00	-17.75	H
1672.91	-44.37	9.40	4.75	-39.72	-13.00	-26.72	V
2509.55	-45.37	10.60	8.39	-43.16	-13.00	-30.16	V
3346.37	-43.52	12.00	11.79	-43.31	-13.00	-30.31	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1693.43	-40.41	9.40	4.75	-35.76	-13.00	-22.76	H
2539.54	-39.71	10.60	8.39	-37.50	-13.00	-24.50	H
3385.95	-31.88	12.00	11.79	-31.67	-13.00	-18.67	H
1693.63	-43.76	9.40	4.75	-39.11	-13.00	-26.11	V
2539.40	-43.95	10.60	8.39	-41.74	-13.00	-28.74	V
3385.87	-43.77	12.00	11.79	-43.56	-13.00	-30.56	V



HSDPA Band 5: (30-9000)MHz							
The worst testresults channel 4132/826.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1652.32	-40.63	9.40	4.75	-35.98	-13.00	-22.98	H
2479.66	-40.35	10.60	8.39	-38.14	-13.00	-25.14	H
3305.77	-31.64	12.00	11.79	-31.43	-13.00	-18.43	H
1652.41	-44.11	9.40	4.75	-39.46	-13.00	-26.46	V
2479.39	-45.03	10.60	8.39	-42.82	-13.00	-29.82	V
3305.75	-43.52	12.00	11.79	-43.31	-13.00	-30.31	V
The Worst Test Results Channel 4183/836.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1673.04	-40.18	9.40	4.75	-35.53	-13.00	-22.53	H
2509.71	-40.60	10.60	8.39	-38.39	-13.00	-25.39	H
3346.41	-31.40	12.00	11.79	-31.19	-13.00	-18.19	H
1672.98	-43.52	9.40	4.75	-38.87	-13.00	-25.87	V
2509.82	-44.83	10.60	8.39	-42.62	-13.00	-29.62	V
3346.34	-43.48	12.00	11.79	-43.27	-13.00	-30.27	V
The Worst Test Results Channel 4233/846.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
1693.33	-40.99	9.40	4.75	-36.34	-13.00	-23.34	H
2539.26	-40.02	10.60	8.39	-37.81	-13.00	-24.81	H
3386.31	-31.54	12.00	11.79	-31.33	-13.00	-18.33	H
1693.59	-44.38	9.40	4.75	-39.73	-13.00	-26.73	V
2539.09	-44.16	10.60	8.39	-41.95	-13.00	-28.95	V
3386.01	-42.77	12.00	11.79	-42.56	-13.00	-29.56	V



WCDMA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3704.15	-34.40	12.60	12.93	-34.73	-13.00	-21.73	H
5557.54	-34.15	13.10	17.11	-38.16	-13.00	-25.16	H
7409.78	-33.16	11.50	22.20	-43.86	-13.00	-30.86	H
3704.38	-35.29	12.60	12.93	-35.62	-13.00	-22.62	V
5557.19	-34.04	13.10	17.11	-38.05	-13.00	-25.05	V
7409.64	-32.49	11.50	22.20	-43.19	-13.00	-30.19	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3760.15	-33.84	12.60	12.93	-34.17	-13.00	-21.17	H
5639.80	-35.16	13.10	17.11	-39.17	-13.00	-26.17	H
7520.04	-32.95	11.50	22.20	-43.65	-13.00	-30.65	H
3760.03	-35.87	12.60	12.93	-36.20	-13.00	-23.20	V
5640.10	-34.99	13.10	17.11	-39.00	-13.00	-26.00	V
7519.97	-33.16	11.50	22.20	-43.86	-13.00	-30.86	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3815.49	-34.35	12.60	12.93	-34.68	-13.00	-21.68	H
5722.16	-34.92	13.10	17.11	-38.93	-13.00	-25.93	H
7629.96	-33.58	11.50	22.20	-44.28	-13.00	-31.28	H
3815.30	-35.51	12.60	12.93	-35.84	-13.00	-22.84	V
5722.14	-34.48	13.10	17.11	-38.49	-13.00	-25.49	V
7630.23	-31.97	11.50	22.20	-42.67	-13.00	-29.67	V



HSUPA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3704.47	-34.47	12.60	12.93	-34.80	-13.00	-21.80	H
5557.22	-34.69	13.10	17.11	-38.70	-13.00	-25.70	H
7409.61	-32.94	11.50	22.20	-43.64	-13.00	-30.64	H
3704.27	-35.90	12.60	12.93	-36.23	-13.00	-23.23	V
5557.19	-35.16	13.10	17.11	-39.17	-13.00	-26.17	V
7409.59	-32.50	11.50	22.20	-43.20	-13.00	-30.20	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3760.26	-33.58	12.60	12.93	-33.91	-13.00	-20.91	H
5640.25	-34.83	13.10	17.11	-38.84	-13.00	-25.84	H
7519.95	-33.61	11.50	22.20	-44.31	-13.00	-31.31	H
3760.19	-34.64	12.60	12.93	-34.97	-13.00	-21.97	V
5639.94	-34.51	13.10	17.11	-38.52	-13.00	-25.52	V
7520.14	-32.45	11.50	22.20	-43.15	-13.00	-30.15	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3815.55	-33.65	12.60	12.93	-33.98	-13.00	-20.98	H
5722.33	-34.68	13.10	17.11	-38.69	-13.00	-25.69	H
7629.94	-32.17	11.50	22.20	-42.87	-13.00	-29.87	H
3815.53	-35.44	12.60	12.93	-35.77	-13.00	-22.77	V
5722.09	-34.38	13.10	17.11	-38.39	-13.00	-25.39	V
7630.09	-33.03	11.50	22.20	-43.73	-13.00	-30.73	V



HSDPA Band 2: (30-20000)MHz							
The Worst Test Results for Channel 9262/1852.4MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3704.12	-34.91	12.60	12.93	-35.24	-13.00	-22.24	H
5557.39	-34.20	13.10	17.11	-38.21	-13.00	-25.21	H
7409.67	-32.78	11.50	22.20	-43.48	-13.00	-30.48	H
3704.11	-35.86	12.60	12.93	-36.19	-13.00	-23.19	V
5557.34	-34.80	13.10	17.11	-38.81	-13.00	-25.81	V
7409.78	-33.20	11.50	22.20	-43.90	-13.00	-30.90	V
The Worst Test Results for Channel 9400/1880MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3760.22	-34.61	12.60	12.93	-34.94	-13.00	-21.94	H
5640.24	-34.95	13.10	17.11	-38.96	-13.00	-25.96	H
7519.88	-32.72	11.50	22.20	-43.42	-13.00	-30.42	H
3760.33	-34.79	12.60	12.93	-35.12	-13.00	-22.12	V
5639.86	-34.21	13.10	17.11	-38.22	-13.00	-25.22	V
7519.82	-32.59	11.50	22.20	-43.29	-13.00	-30.29	V
The Worst Test Results for Channel 9538/1907.6MHz							
Frequency(MHz)	S G.Lev (dBm)	Ant(dBi)	Loss	PMea (dBm)	Limit (dBm)	Margin (dBm)	Polarity
3815.35	-34.08	12.60	12.93	-34.41	-13.00	-21.41	H
5722.31	-34.86	13.10	17.11	-38.87	-13.00	-25.87	H
7629.88	-32.56	11.50	22.20	-43.26	-13.00	-30.26	H
3815.25	-34.71	12.60	12.93	-35.04	-13.00	-22.04	V
5722.30	-34.25	13.10	17.11	-38.26	-13.00	-25.26	V
7630.16	-32.18	11.50	22.20	-42.88	-13.00	-29.88	V



APPENDIX-PHOTOS OF TEST SETUP

Note: See test photos in setup photo document for the actual connections between Product and support equipment.

*****END OF THE REPORT*****

