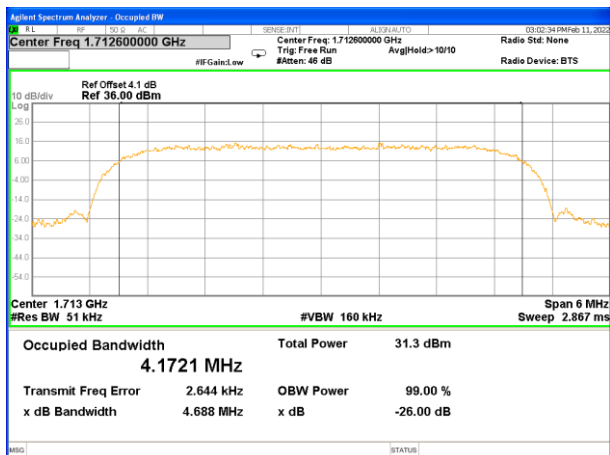
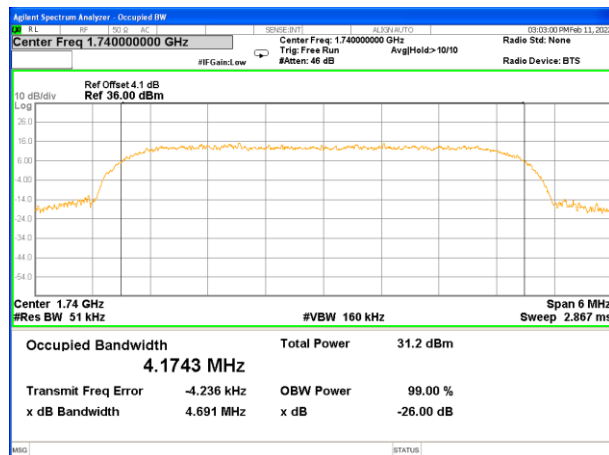
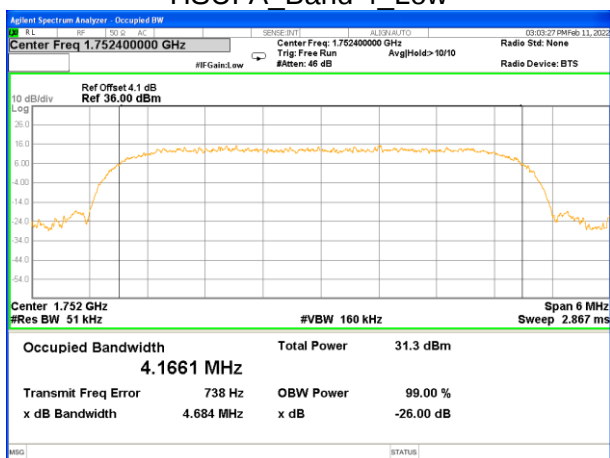




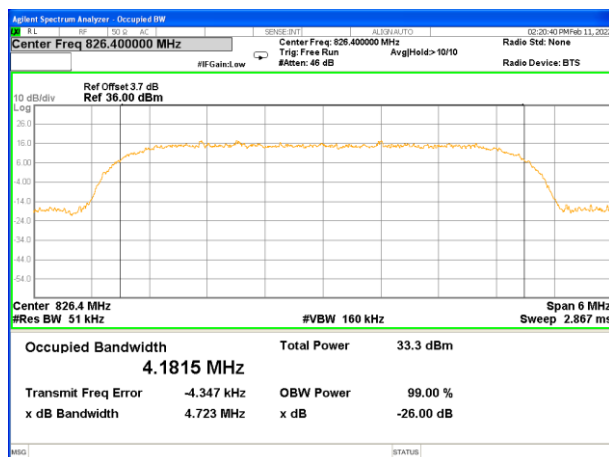
HSUPA_Band 4_Low



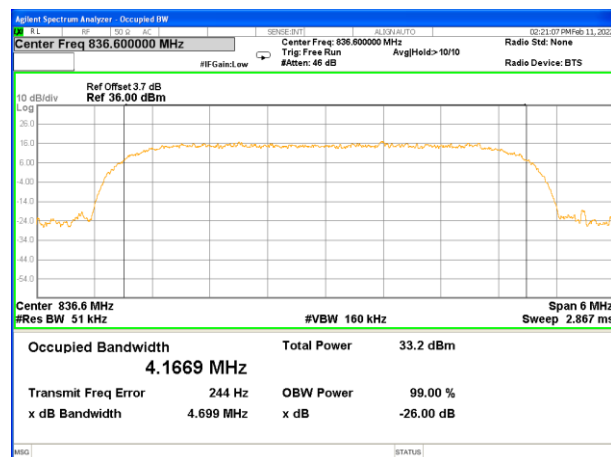
HSUPA_Band 4_Middle



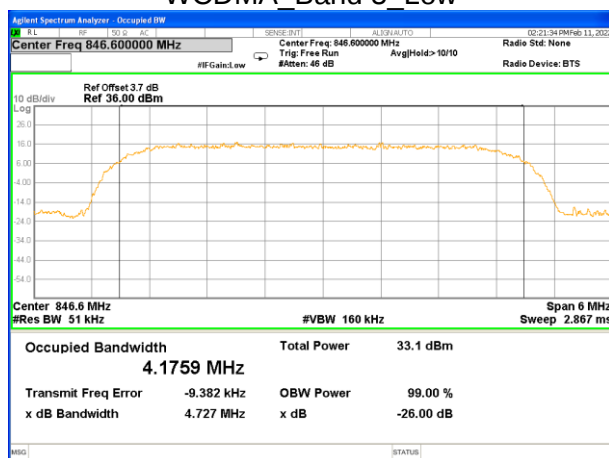
HSUPA_Band 4_High



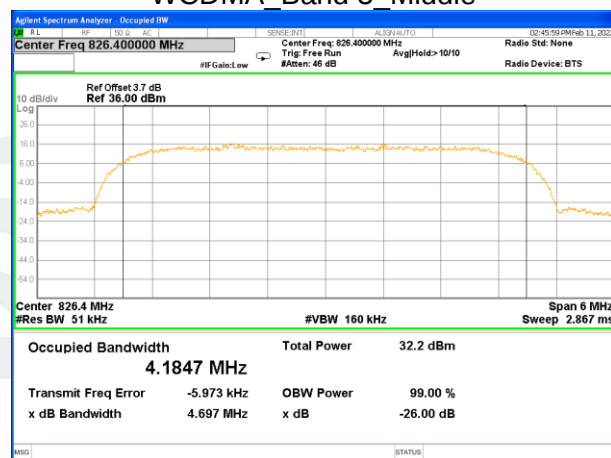
WCDMA_Band 5_Low



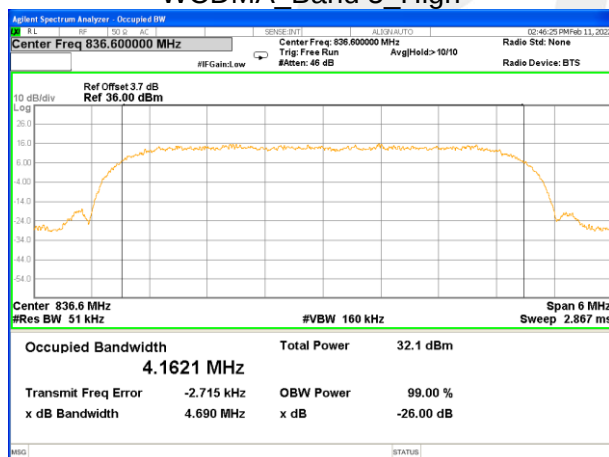
WCDMA_Band 5_Middle



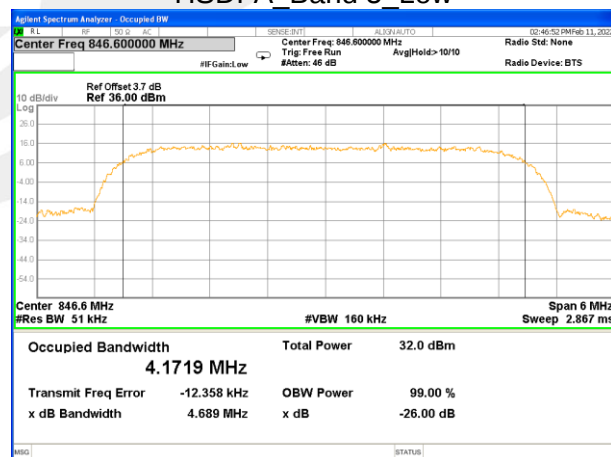
WCDMA_Band 5_High



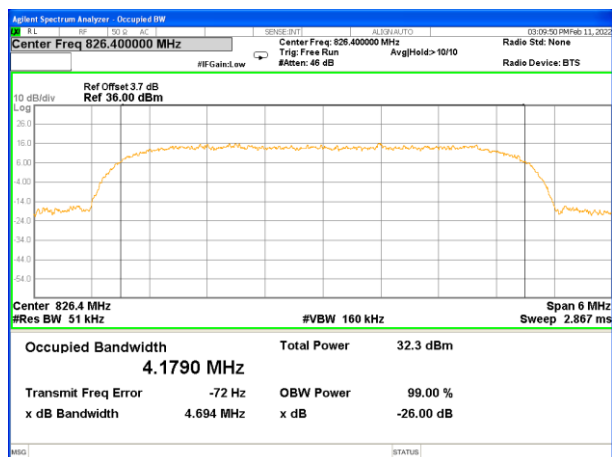
HSDPA_Band 5_Low



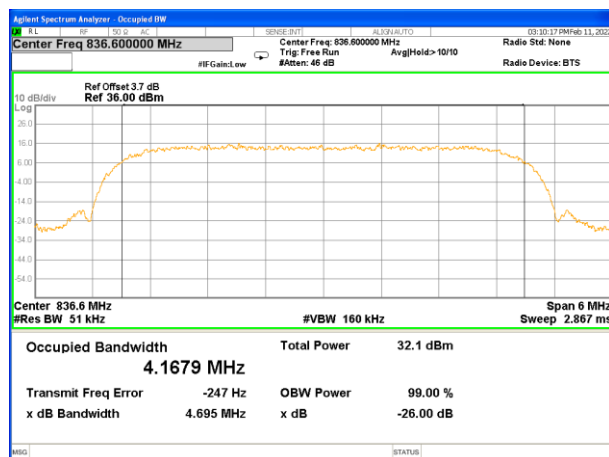
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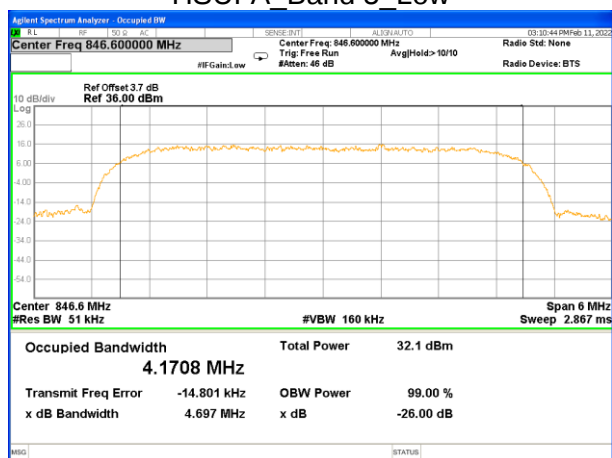
HSDPA_Band 5_High



HSUPA_Band 5_Low



HSUPA_Band 5_Middle



HSUPA_Band 5_High



A4. FREQUENCY STABILITY

Normal Voltage = 3.7V; Battery End Point (BEP) = 4.07V; Maximum Voltage = 3.33V

GSM 850 /836.6MHz					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	16.05	0.019	2.5ppm	PASS
40		20.77	0.025		
30		36.11	0.043		
20		26.75	0.032		
10		27.87	0.033		
0		25.27	0.030		
-10		14.40	0.017		
-20		28.77	0.034		
-30		25.86	0.031		
20	Maximum Voltage	27.44	0.033		
20	BEP	26.69	0.032		

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	15.16	0.018	2.5ppm	PASS
40		21.29	0.025		
30		24.16	0.029		
20		16.52	0.020		
10		25.82	0.031		
0		27.50	0.033		
-10		17.59	0.021		
-20		12.20	0.015		
-30		26.68	0.032		
20	Maximum Voltage	19.42	0.023		
20	BEP	12.05	0.014		

EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage (Volt)	Freq. Dev. (Hz)	Freq. Dev. (ppm)	Limit	Result
50	Normal Voltage	30.42	0.036	2.5ppm	PASS
40		26.37	0.032		
30		15.38	0.018		
20		27.26	0.033		
10		28.88	0.035		
0		35.38	0.042		
-10		29.61	0.035		
-20		11.54	0.014		
-30		25.36	0.030		
20	Maximum Voltage	24.82	0.030		
20	BEP	12.25	0.015		



GSM 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	12.29	0.007	Within Authorized Band	PASS
40		25.20	0.013		
30		21.63	0.012		
20		33.33	0.018		
10		33.22	0.018		
0		18.04	0.010		
-10		29.05	0.015		
-20		26.88	0.014		
-30		20.94	0.011		
20	Maximum Voltage	34.22	0.018		
20	BEP	17.86	0.010		

GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	29.48	0.016	Within Authorized Band	PASS
40		16.81	0.009		
30		32.05	0.017		
20		30.28	0.016		
10		30.87	0.016		
0		11.75	0.006		
-10		19.42	0.010		
-20		25.75	0.014		
-30		13.62	0.007		
20	Maximum Voltage	32.05	0.017		
20	BEP	18.54	0.010		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	17.29	0.009	Within Authorized Band	PASS
40		23.08	0.012		
30		19.44	0.010		
20		25.60	0.014		
10		32.50	0.017		
0		12.44	0.007		
-10		20.47	0.011		
-20		17.24	0.009		
-30		21.04	0.011		
20	Maximum Voltage	20.84	0.011		
20	BEP	27.75	0.015		



UMTS Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	28.44	0.015	Within Authorized Band	PASS
40		29.05	0.015		
30		15.45	0.008		
20		33.00	0.018		
10		24.24	0.013		
0		15.96	0.008		
-10		24.44	0.013		
-20		35.80	0.019		
-30		32.97	0.018		
20	Maximum Voltage	20.24	0.011		
20	BEP	32.34	0.017		

HSDPA Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	31.19	0.017	Within Authorized Band	PASS
40		23.91	0.013		
30		12.25	0.007		
20		24.89	0.013		
10		34.82	0.019		
0		34.50	0.018		
-10		33.81	0.018		
-20		34.33	0.018		
-30		34.11	0.018		
20	Maximum Voltage	26.88	0.014		
20	BEP	23.57	0.013		

HSUPA Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	31.02	0.017	Within Authorized Band	PASS
40		34.00	0.018		
30		34.20	0.018		
20		22.20	0.012		
10		24.44	0.013		
0		24.50	0.013		
-10		35.80	0.019		
-20		25.41	0.014		
-30		33.81	0.018		
20	Maximum Voltage	14.63	0.008		
20	BEP	25.11	0.013		



UMTS Band 5 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	31.08	0.037	2.5ppm	PASS
40		23.88	0.029		
30		12.81	0.015		
20		22.50	0.027		
10		36.03	0.043		
0		15.10	0.018		
-10		21.54	0.026		
-20		34.60	0.041		
-30		17.75	0.021		
20	Maximum Voltage	21.08	0.025		
20	BEP	15.32	0.018		

HSDPA Band 5 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)		(ppm)		
50	Normal Voltage	29.61	0.035	2.5ppm	PASS
40		33.98	0.041		
30		23.44	0.028		
20		23.68	0.028		
10		16.18	0.019		
0		20.27	0.024		
-10		29.03	0.035		
-20		20.51	0.025		
-30		28.53	0.034		
20	Maximum Voltage	24.48	0.029		
20	BEP	21.08	0.025		

HSUPA Band 5 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	24.16	0.029	2.5ppm	PASS
40		15.08	0.018		
30		18.55	0.022		
20		25.90	0.031		
10		16.42	0.020		
0		21.86	0.026		
-10		28.13	0.034		
-20		18.78	0.022		
-30		24.38	0.029		
20	Maximum Voltage	14.35	0.017		
20	BEP	33.18	0.040		



UMTS Band 4 /1740MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	21.78	0.012	Within Authorized Band	PASS
40		29.37	0.016		
30		18.89	0.010		
20		22.26	0.012		
10		12.59	0.007		
0		13.37	0.007		
-10		13.41	0.007		
-20		15.55	0.008		
-30		24.21	0.013		
20	Maximum Voltage	20.00	0.011		
20	BEP	25.60	0.014		

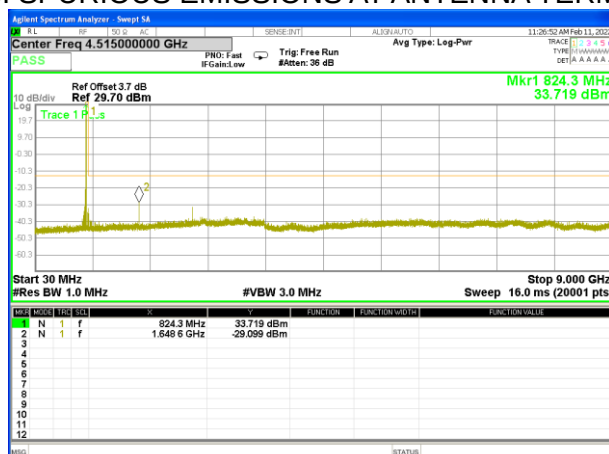
HSDPA Band 4 /1740MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	19.17	0.010	Within Authorized Band	PASS
40		27.63	0.015		
30		17.91	0.010		
20		22.86	0.012		
10		27.25	0.014		
0		28.29	0.015		
-10		31.82	0.017		
-20		17.59	0.009		
-30		12.58	0.007		
20	Maximum Voltage	20.73	0.011		
20	BEP	11.57	0.006		

HSUPA Band 4 /1740MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	17.39	0.009	Within Authorized Band	PASS
40		13.53	0.007		
30		15.85	0.008		
20		32.53	0.017		
10		19.81	0.011		
0		11.58	0.006		
-10		21.70	0.012		
-20		24.17	0.013		
-30		18.98	0.010		
20	Maximum Voltage	13.19	0.007		
20	BEP	16.35	0.009		

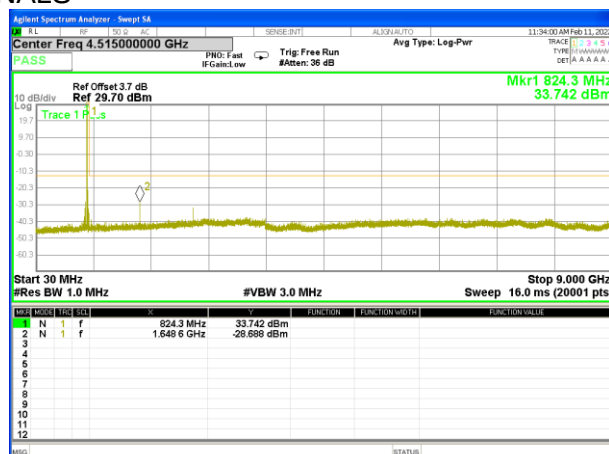
1. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



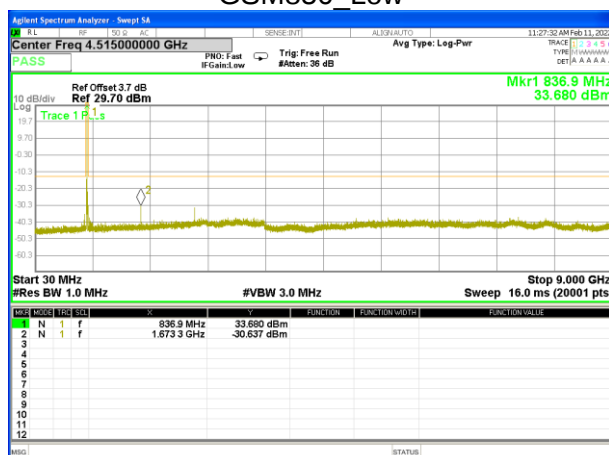
A5. SPURIOUS EMISSIONS AT ANTENNA TERMINALS



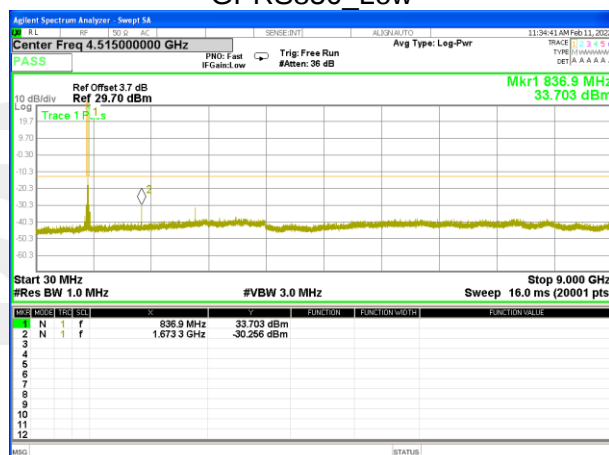
GSM850_Low



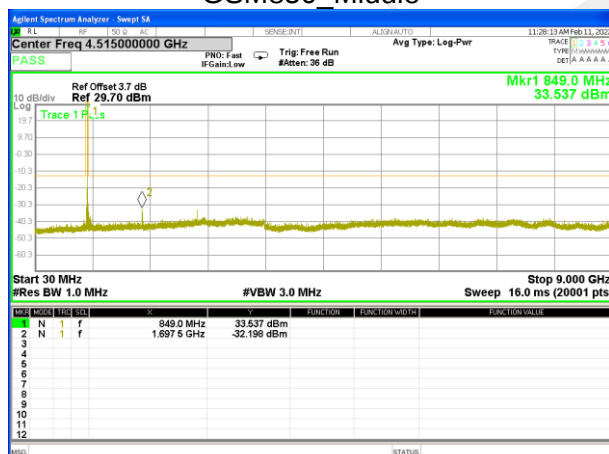
GPRS850_Low



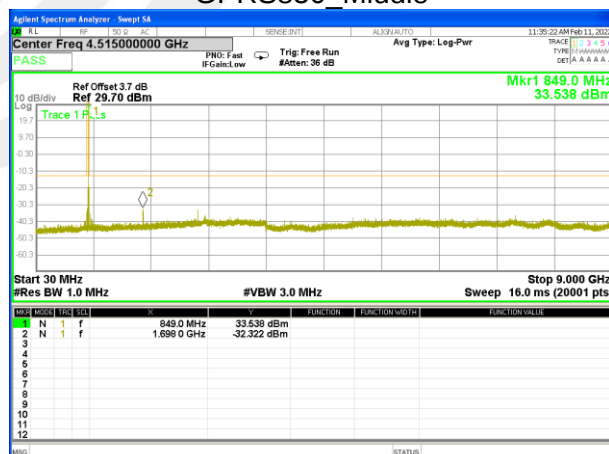
GSM850_Middle



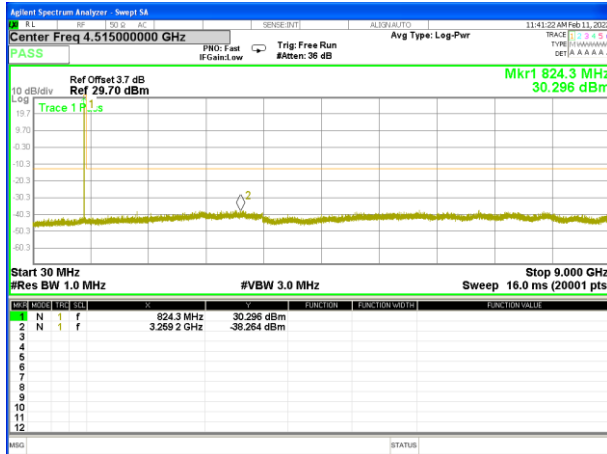
GPRS850_Middle



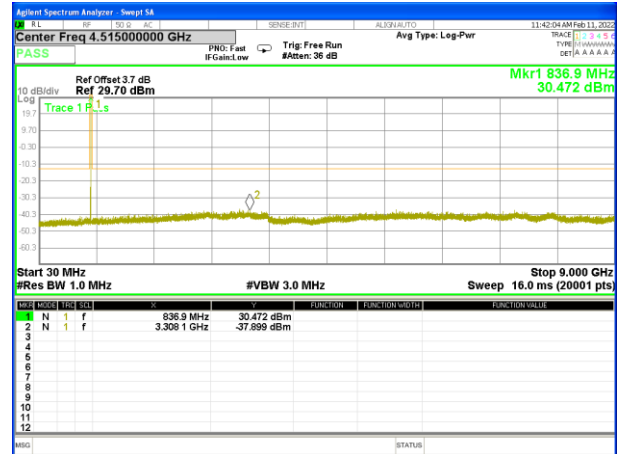
GSM850_High



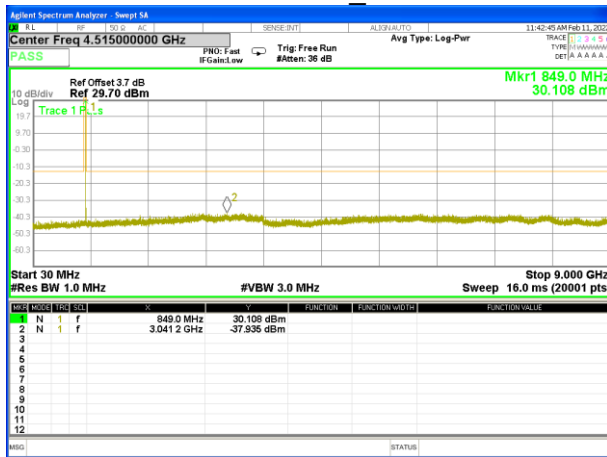
GPRS850_High



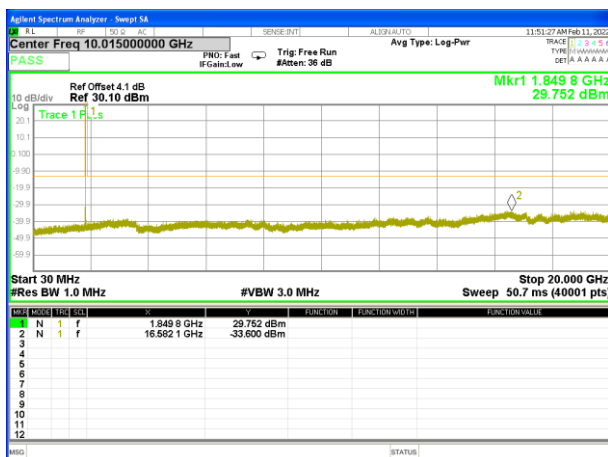
EGPRS850_Low



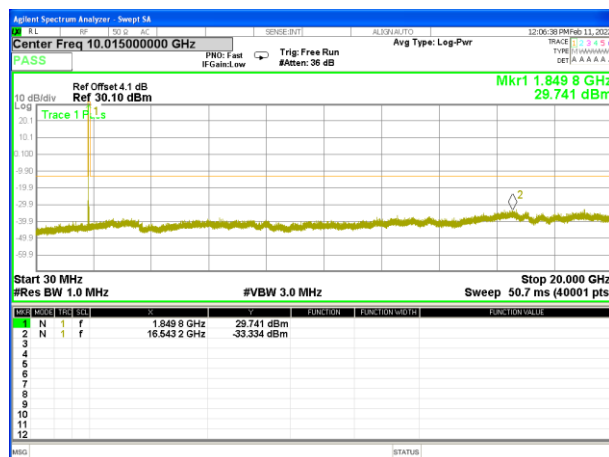
EGPRS850_Middle



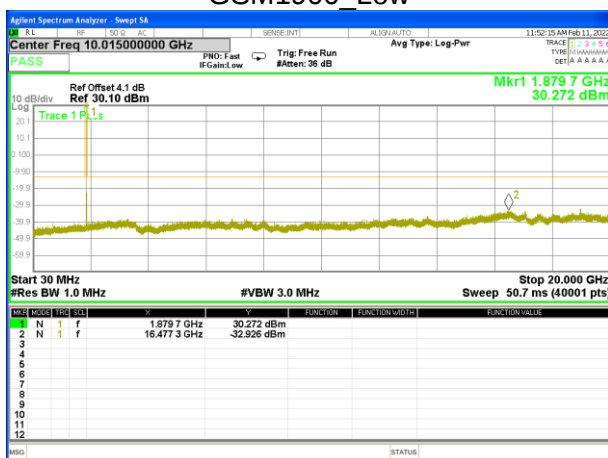
EGPRS850_High



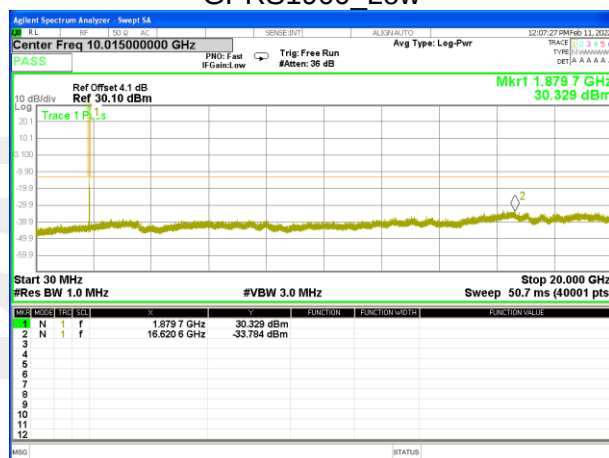
GSM1900_Low



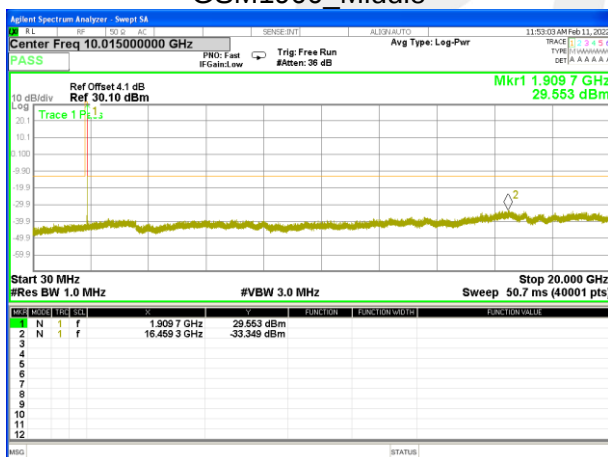
GPRS1900_Low



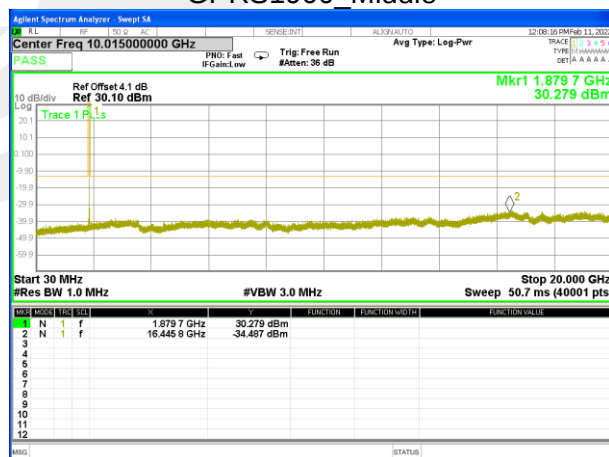
GSM1900_Middle



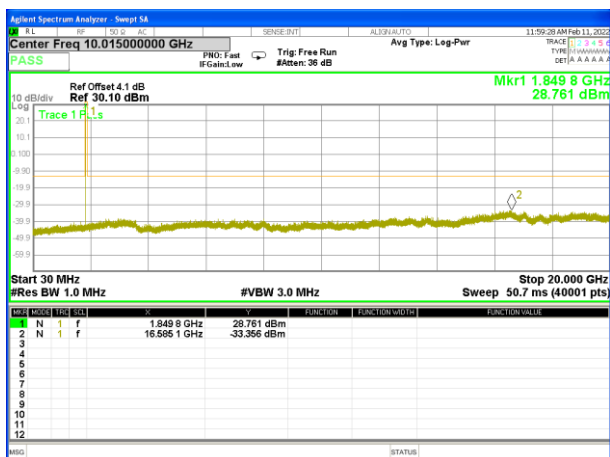
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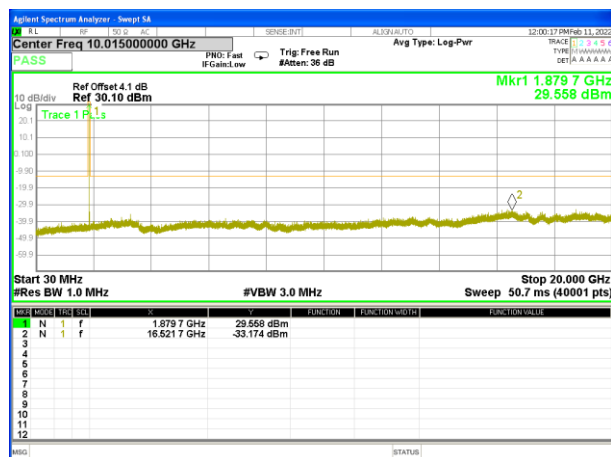
GSM1900_High



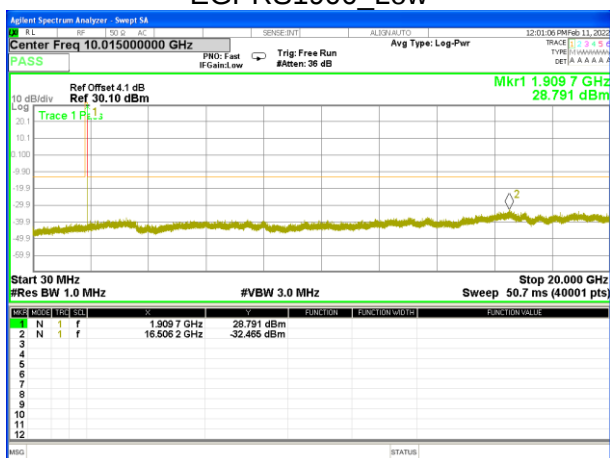
GPRS1900_High



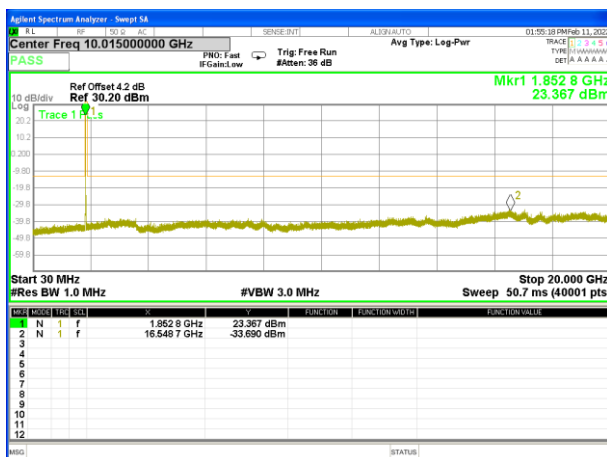
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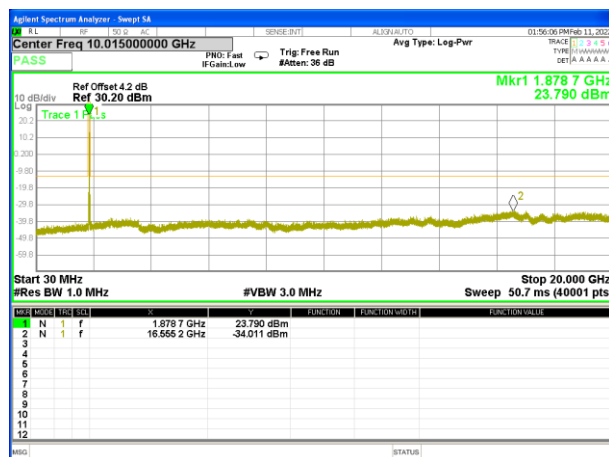
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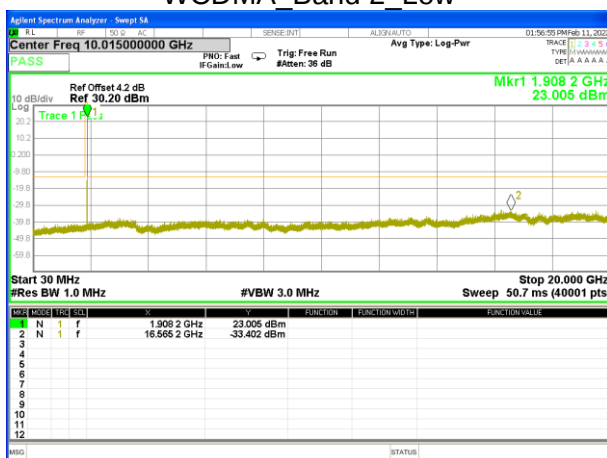
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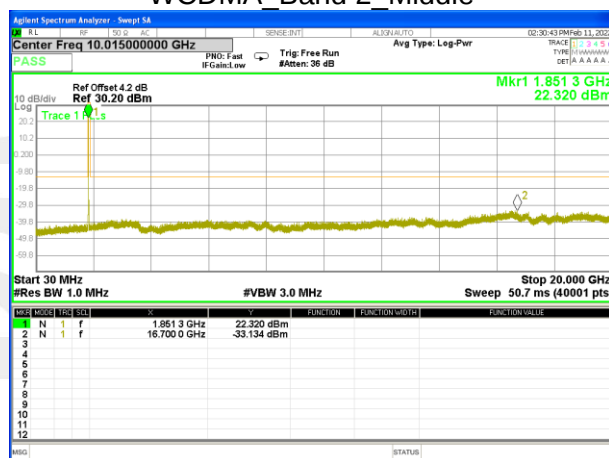
WCDMA_Band 2_Low



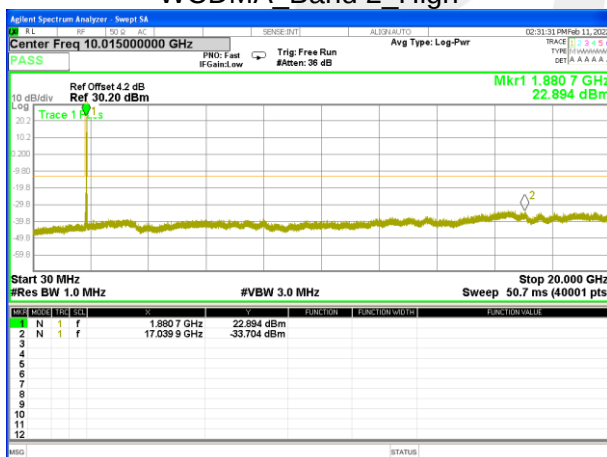
WCDMA_Band 2_Middle



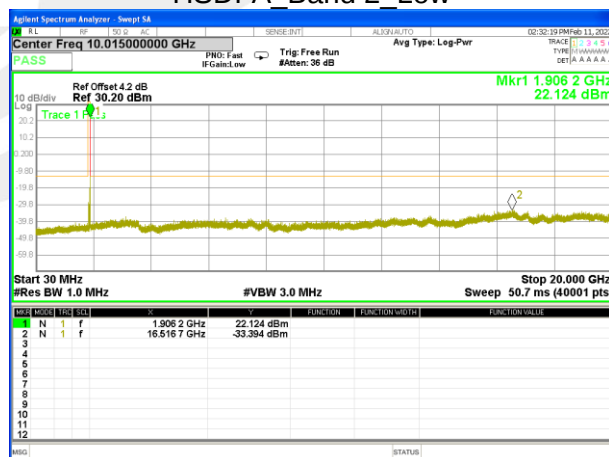
WCDMA_Band 2_High



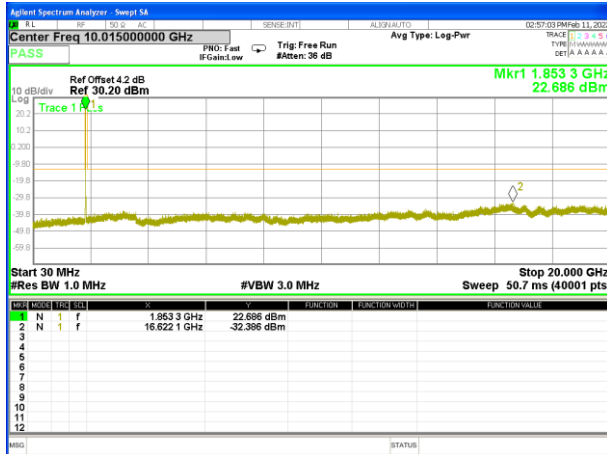
HSDPA_Band 2_Low



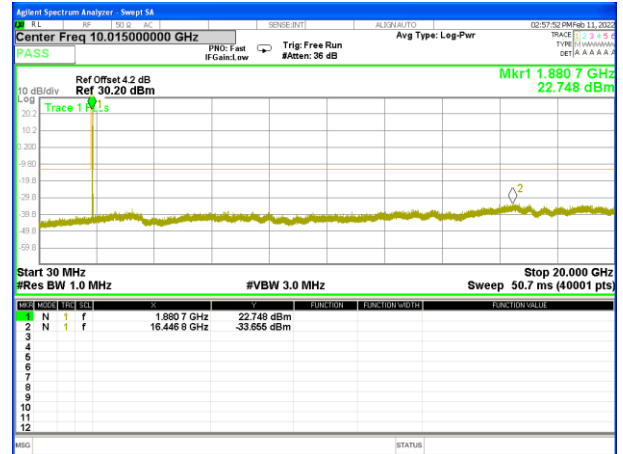
HSDPA_Band 2_Middle



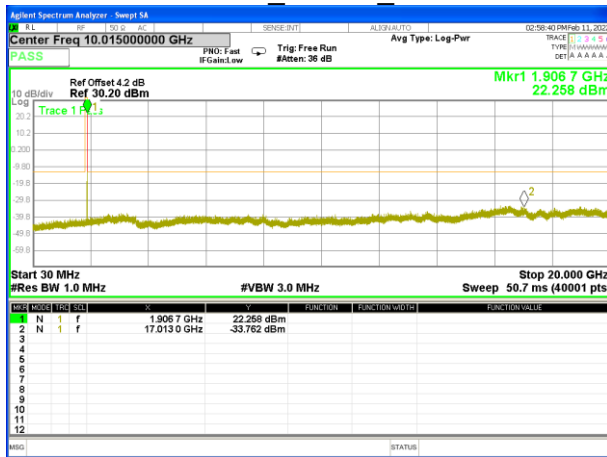
HSDPA_Band 2_High



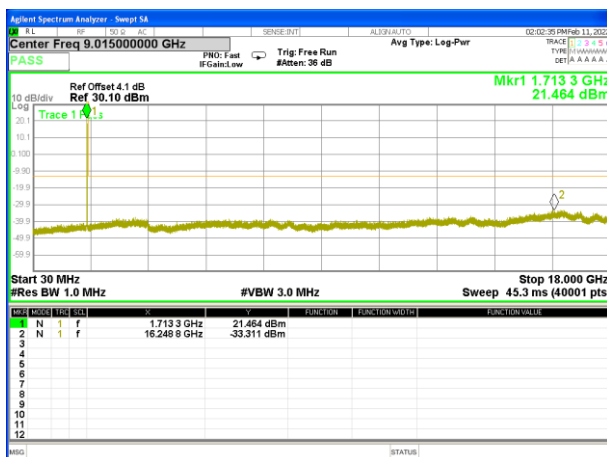
HSUPA_Band 2_Low



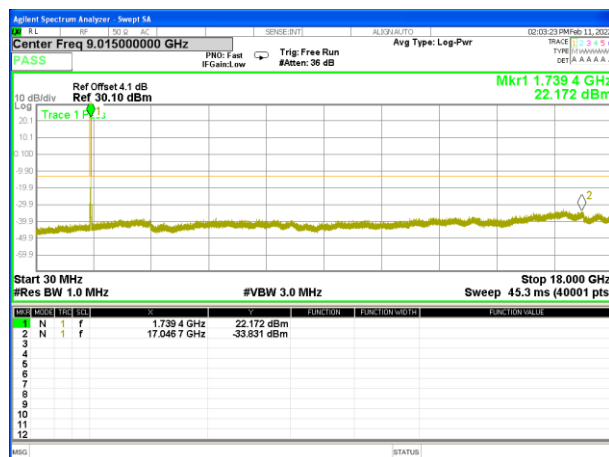
HSUPA_Band 2_Middle



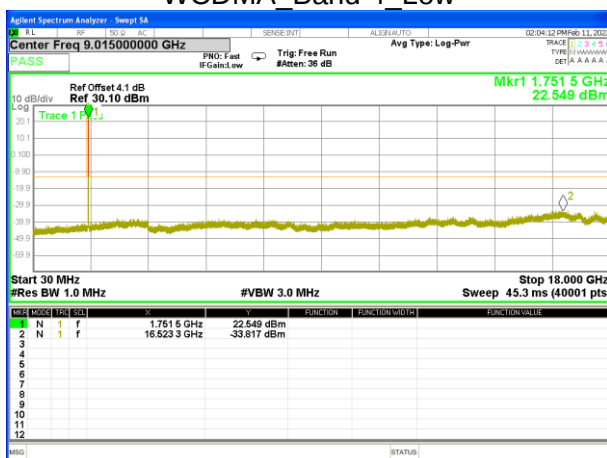
HSUPA_Band 2_High



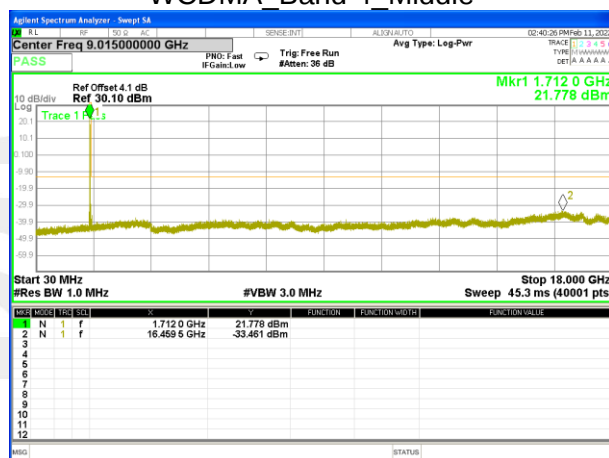
WCDMA_Band 4_Low



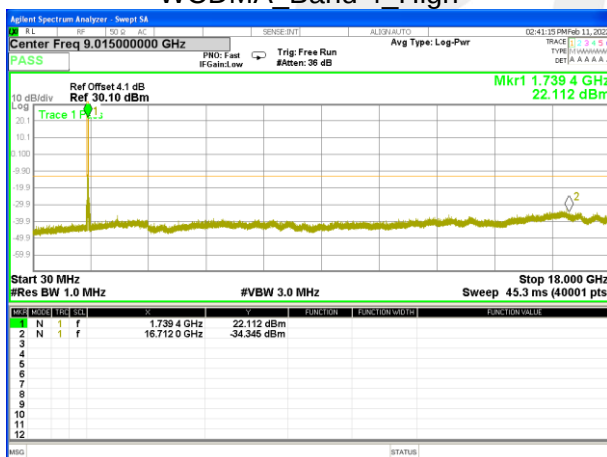
WCDMA_Band 4_Middle



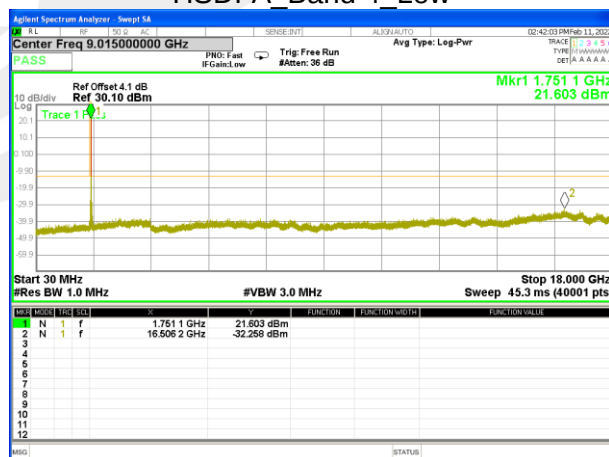
WCDMA_Band 4_High



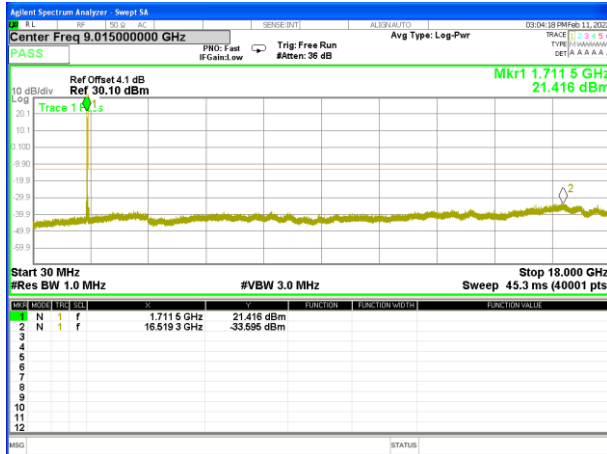
HSDPA_Band 4_Low



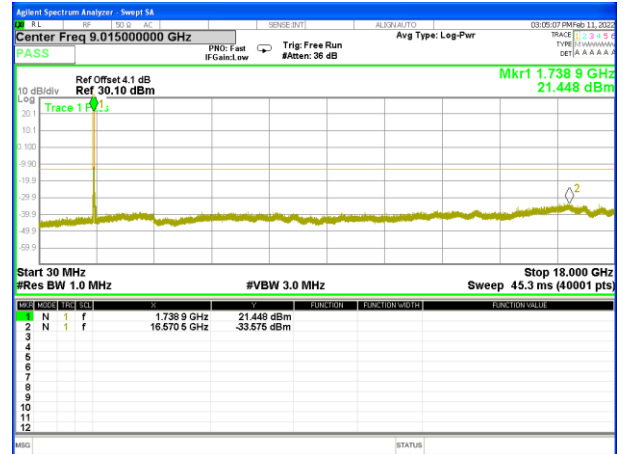
HSDPA_Band 4_Middle



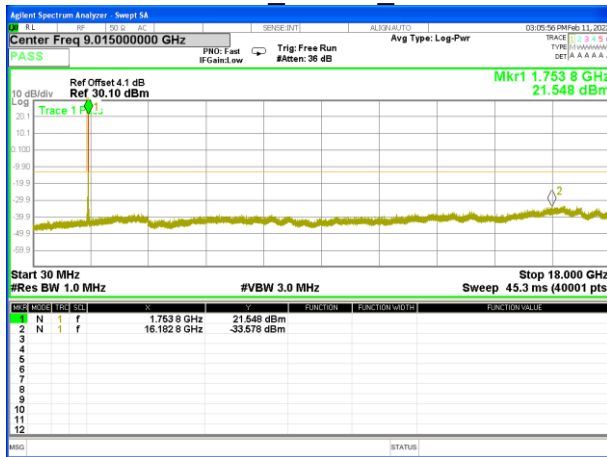
HSDPA_Band 4_High



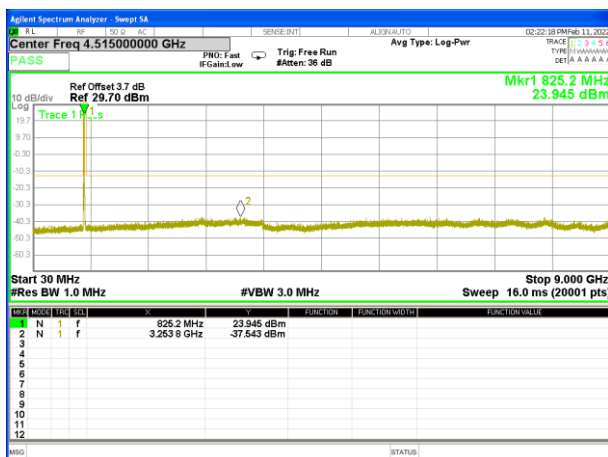
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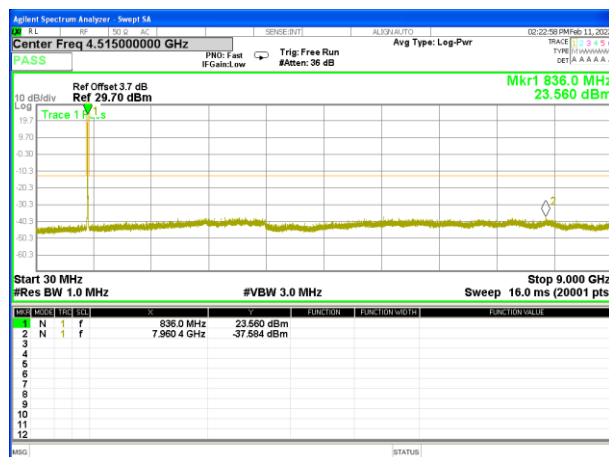
HSUPA_Band 4_Middle



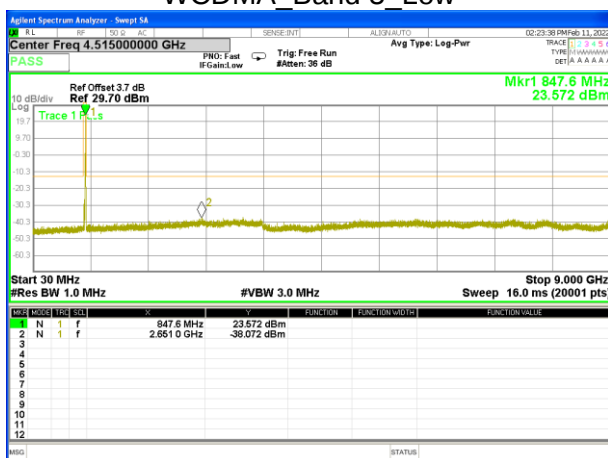
HSUPA_Band 4_High



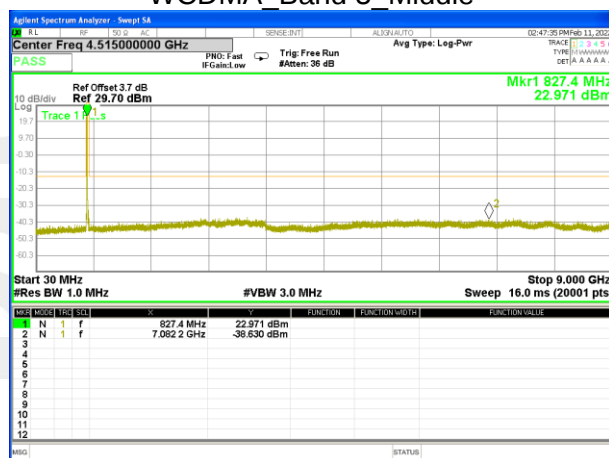
WCDMA_Band 5_Low



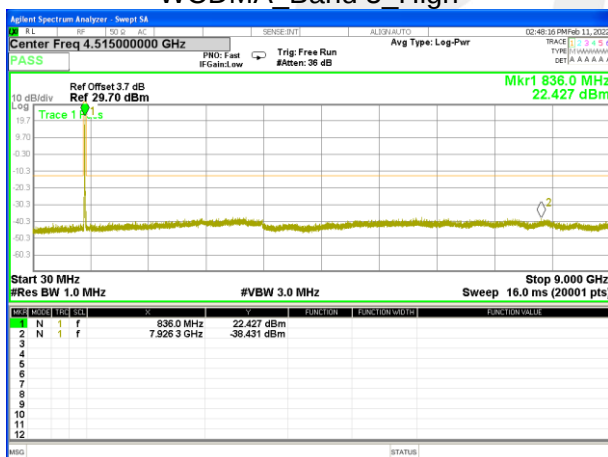
WCDMA_Band 5_Middle



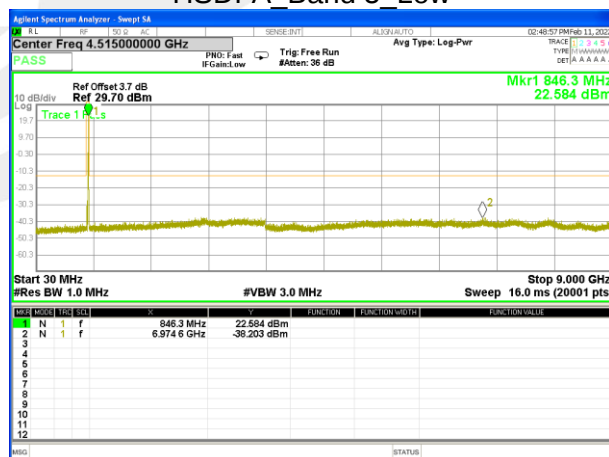
WCDMA_Band 5_High



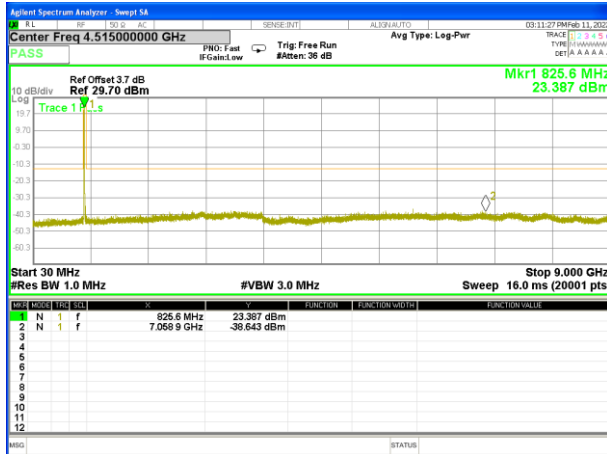
HSDPA_Band 5_Low



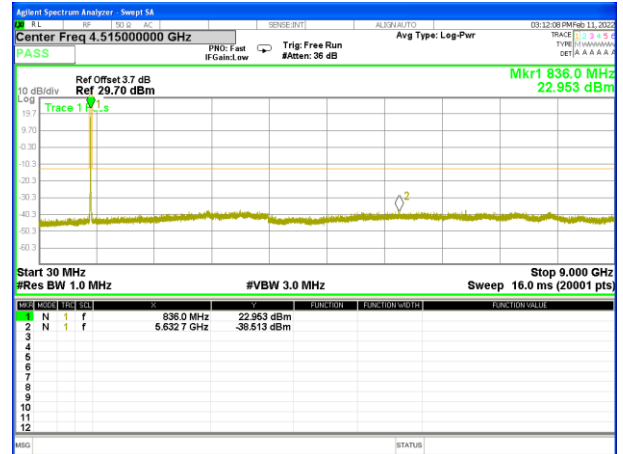
HSDPA_Band 5_Middle



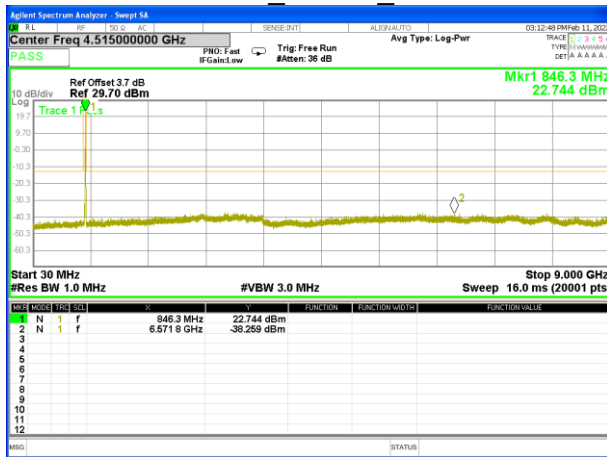
HSDPA_Band 5_High



HSUPA_Band 5_Low



HSUPA_Band 5_Middle



HSUPA_Band 5_High



A6. BAND EDGE



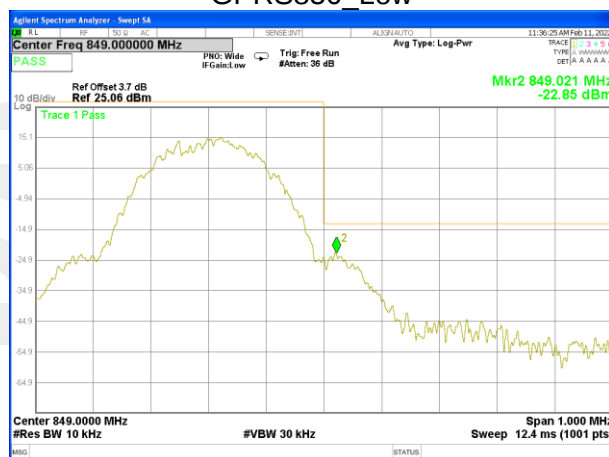
GSM850_Low



GPRS850_Low



GSM850_High



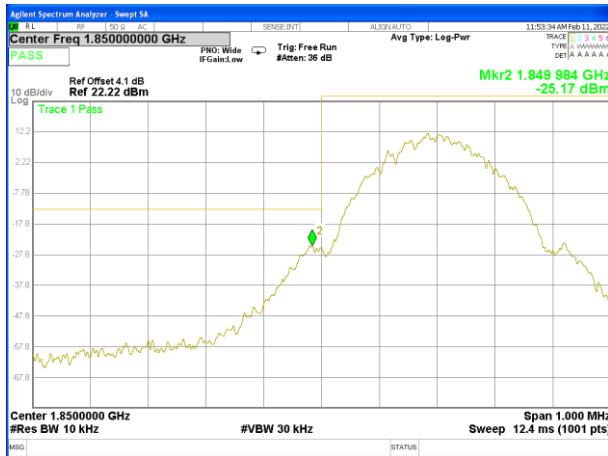
GPRS850_High



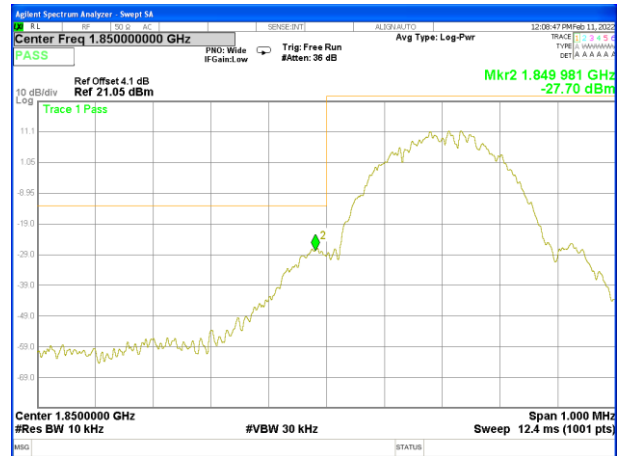
EGPRS850_Low



EGPRS850_High



GSM1900_Low



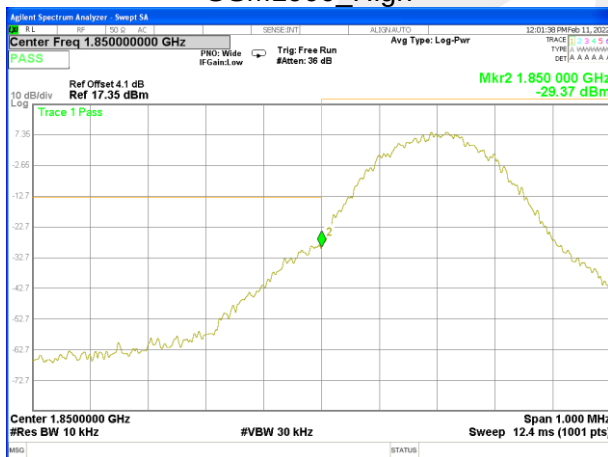
GPRS1900_Low



GSM1900_High



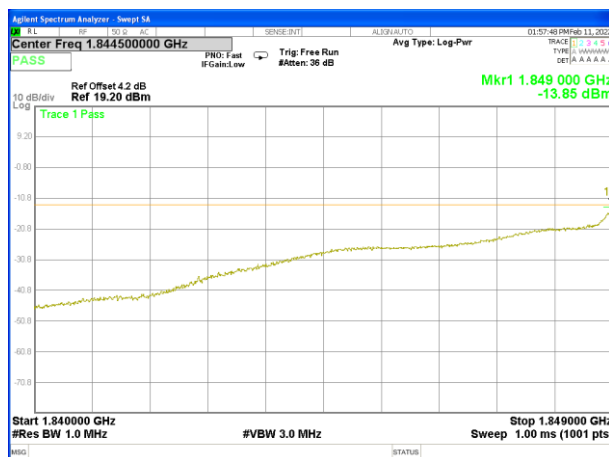
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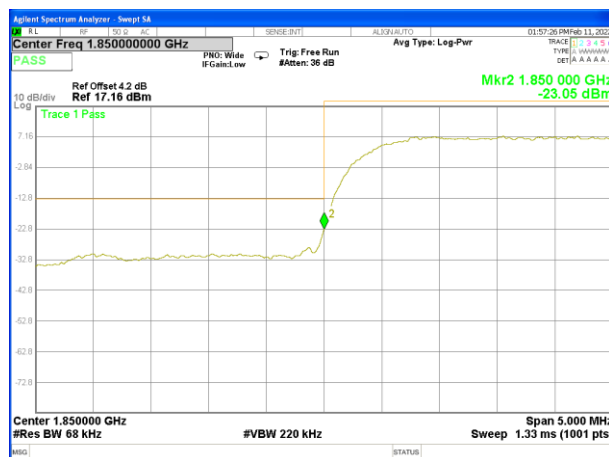
EGPRS1900_Low



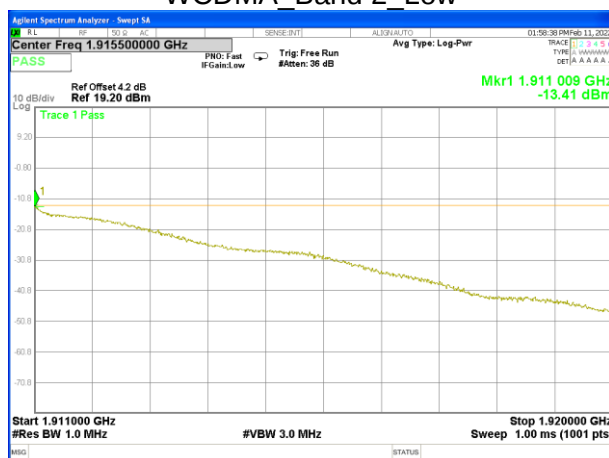
EGPRS1900_High



WCDMA_Band 2_Low



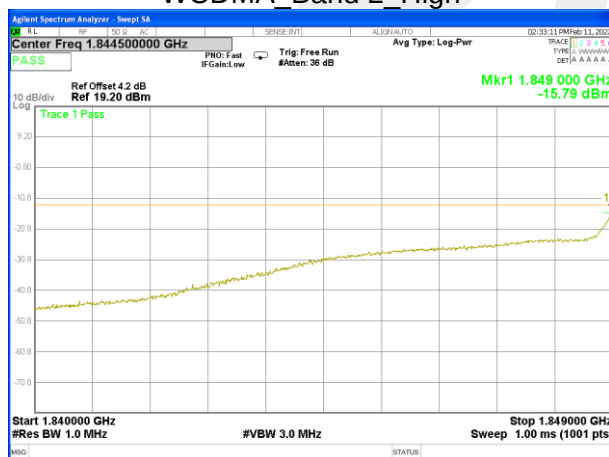
WCDMA_Band 2_Low



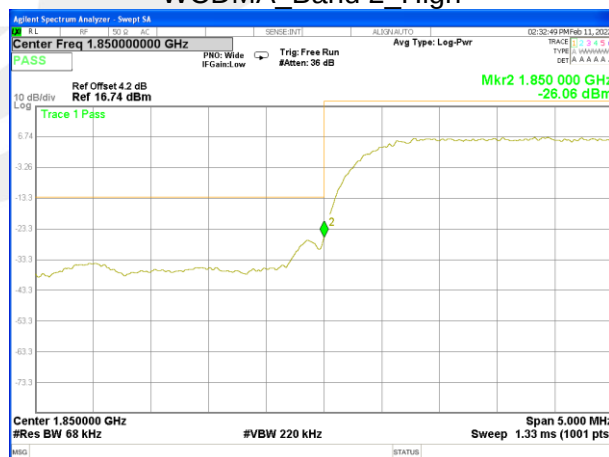
WCDMA_Band 2_High



WCDMA_Band 2_High



HSDPA_Band 2_Low



HSDPA_Band 2_Low