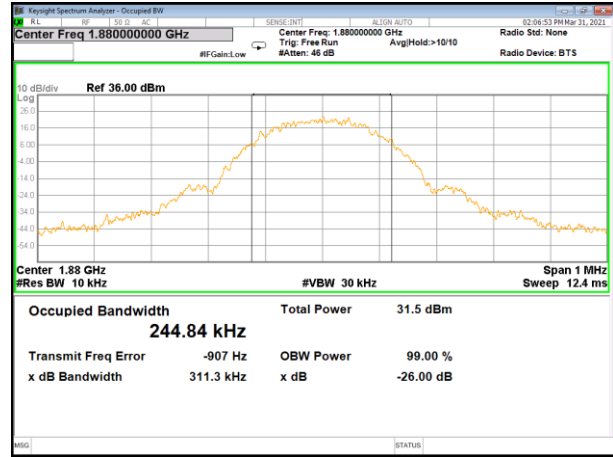
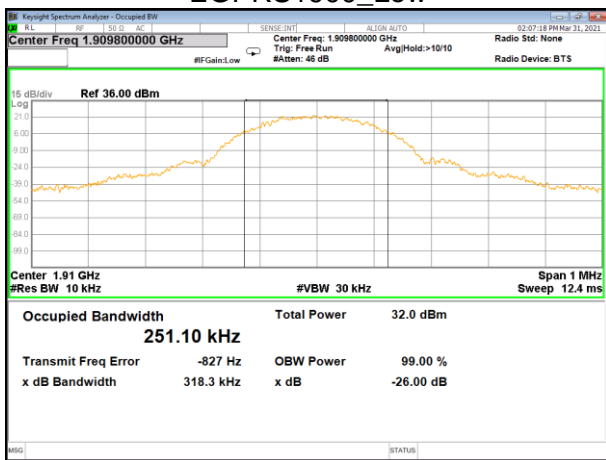


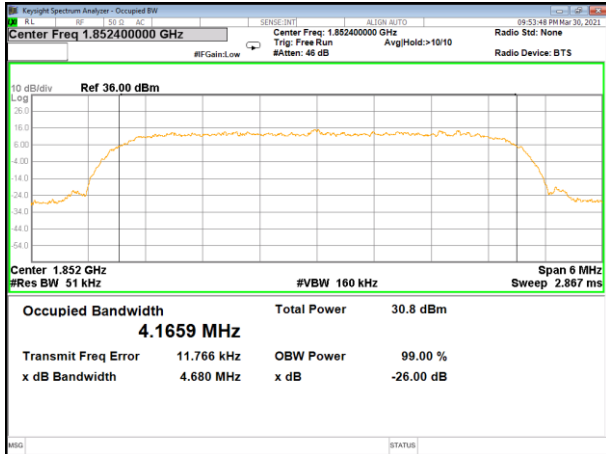
EGPRS1900\_Low



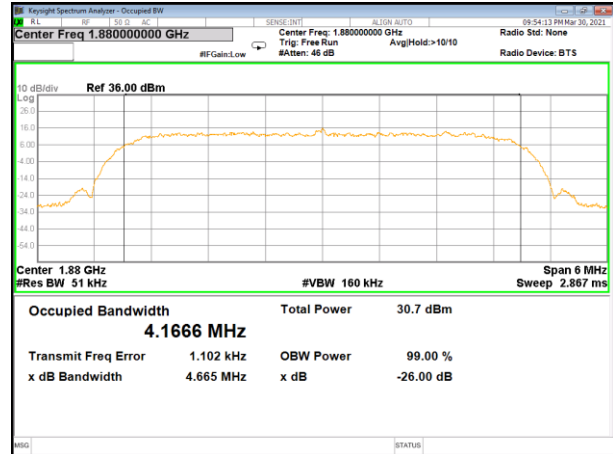
EGPRS1900\_Middle



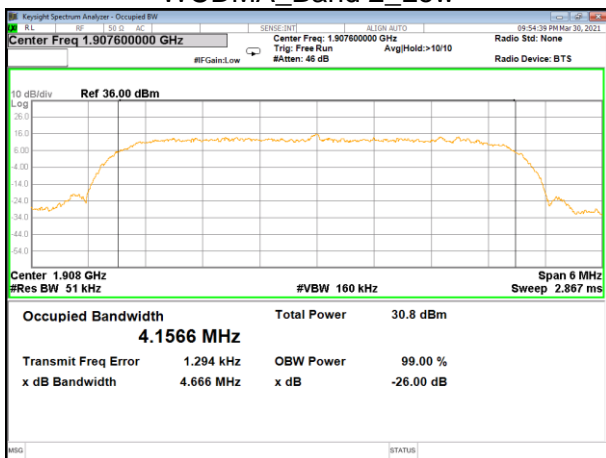
EGPRS1900\_High



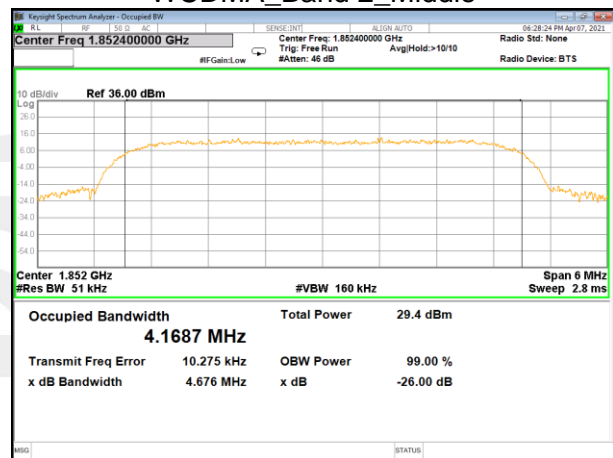
WCDMA\_Band 2\_Low



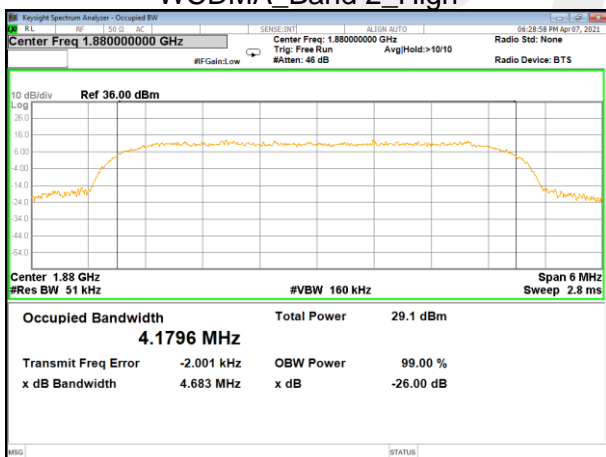
WCDMA\_Band 2\_Middle



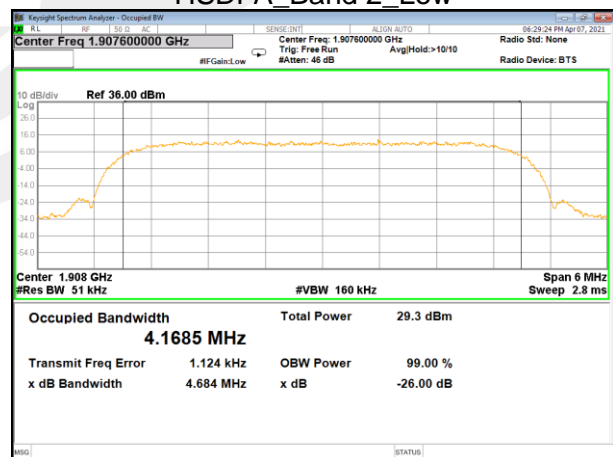
WCDMA\_Band 2\_High



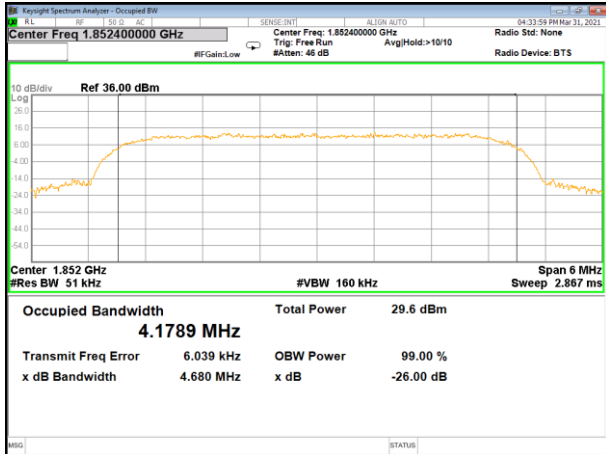
HSDPA\_Band 2\_Low



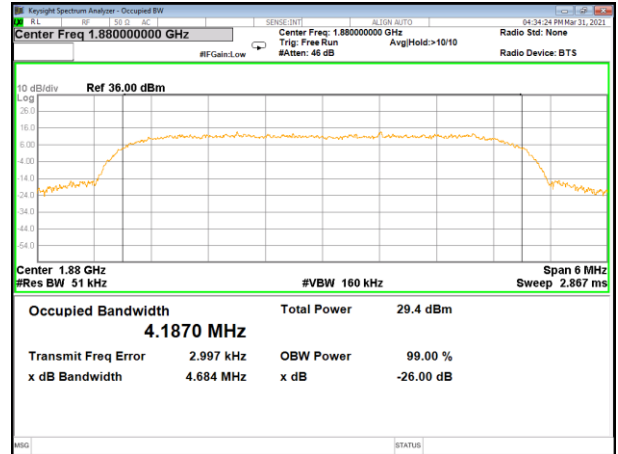
HSDPA\_Band 2\_Middle



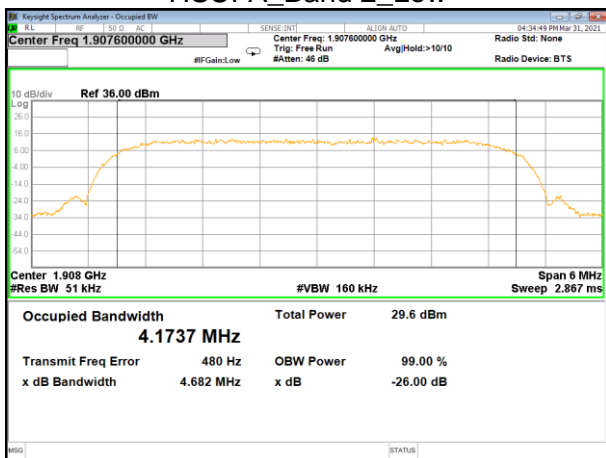
HSDPA\_Band 2\_High



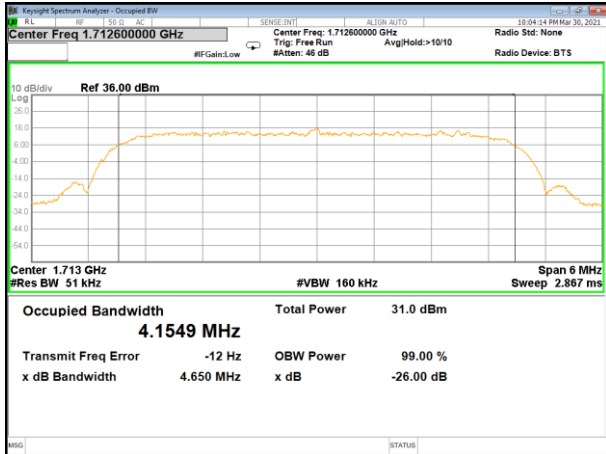
HSUPA\_Band 2\_Low



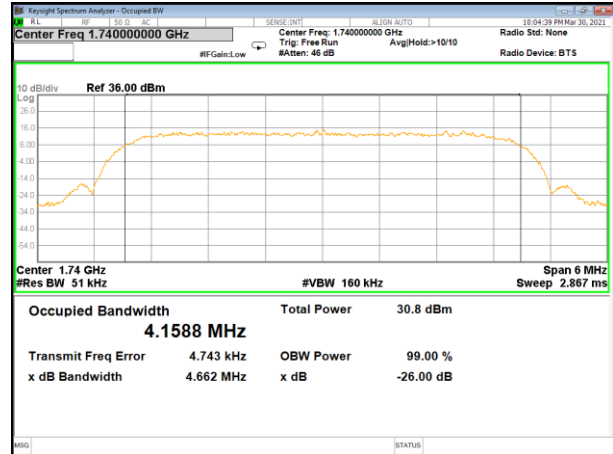
HSUPA\_Band 2\_Middle



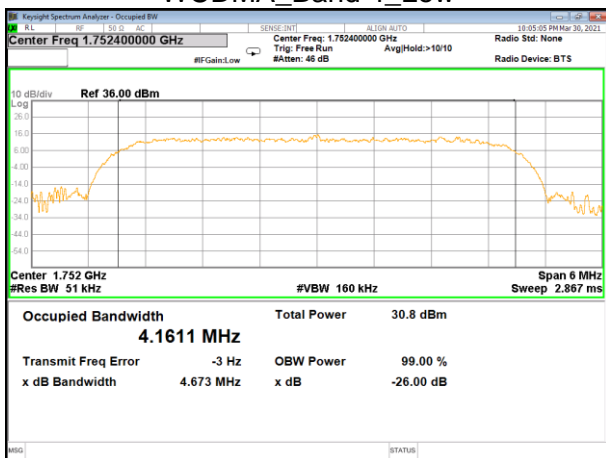
HSUPA\_Band 2\_High



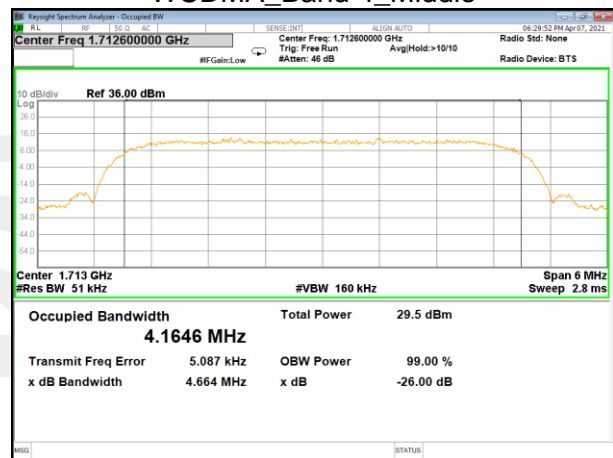
WCDMA\_Band 4\_Low



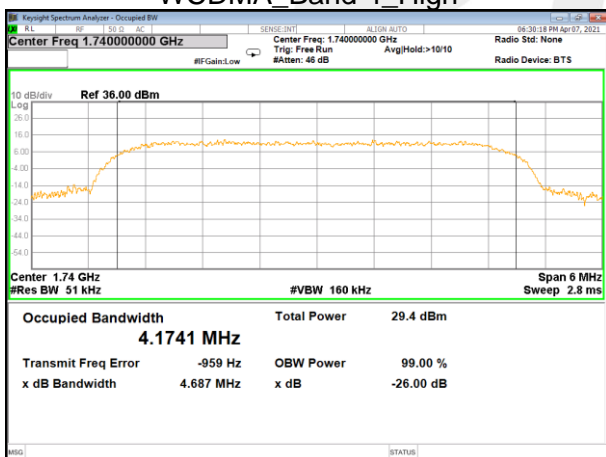
WCDMA\_Band 4\_Middle



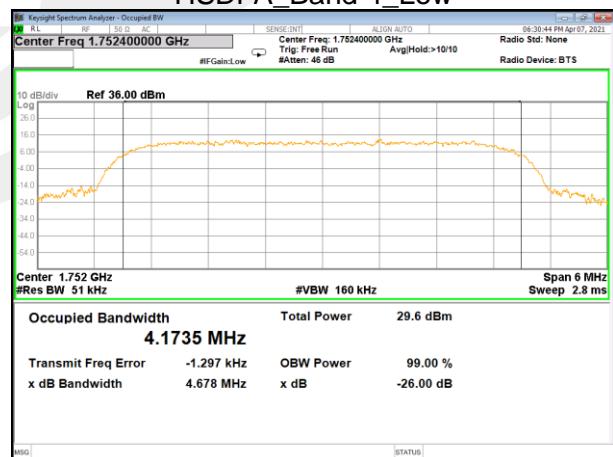
WCDMA\_Band 4\_High



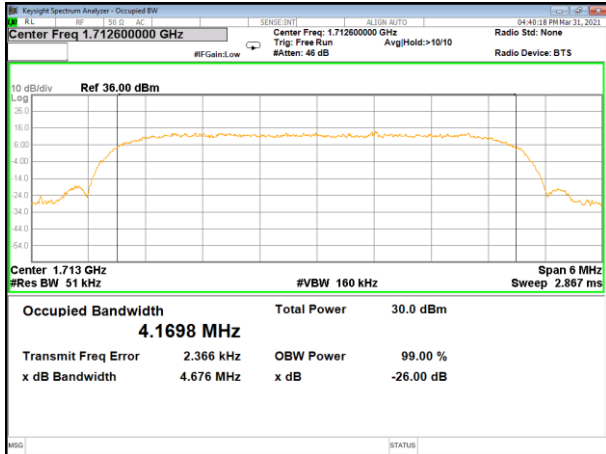
HSDPA\_Band 4\_Low



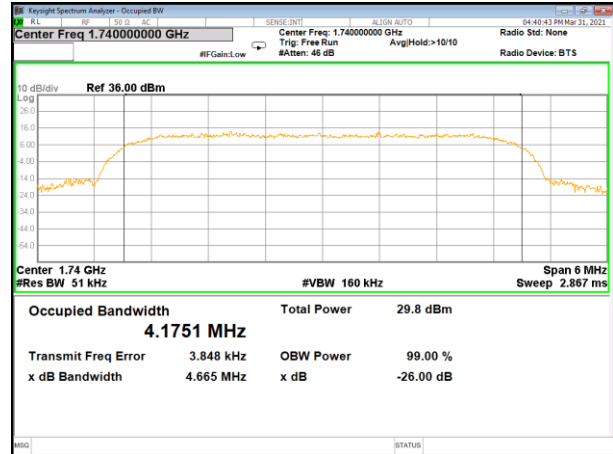
HSDPA\_Band 4\_Middle



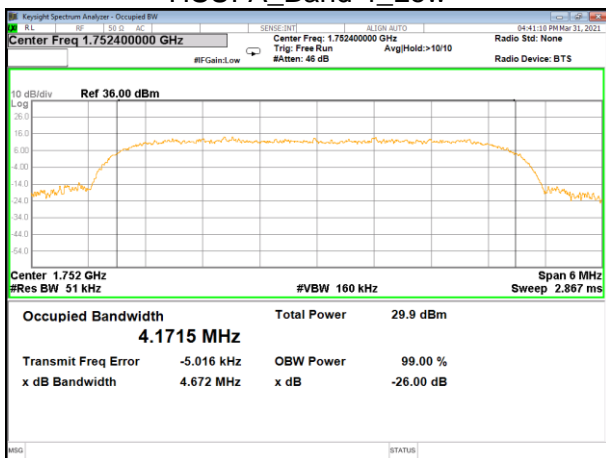
HSDPA\_Band 4\_High



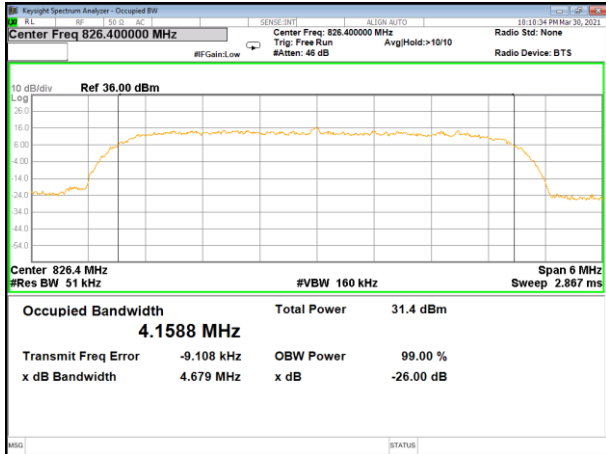
HSUPA\_Band 4\_Low



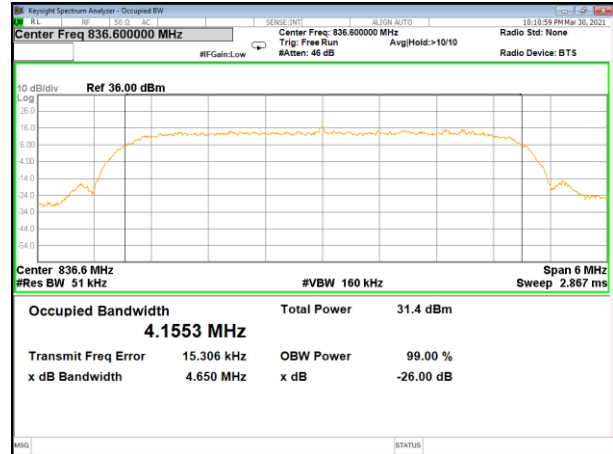
HSUPA\_Band 4\_Middle



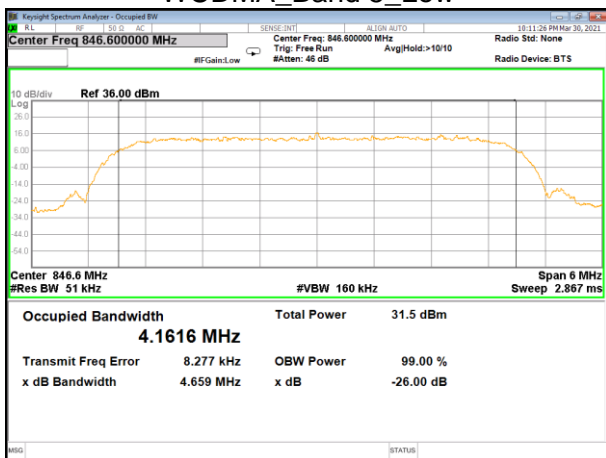
HSUPA\_Band 4\_High



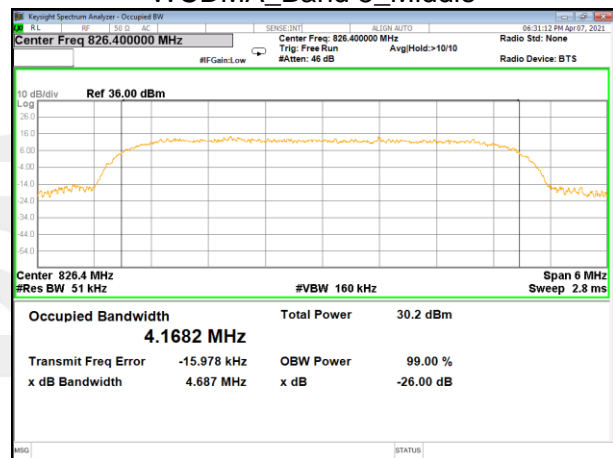
WCDMA\_Band 5\_Low



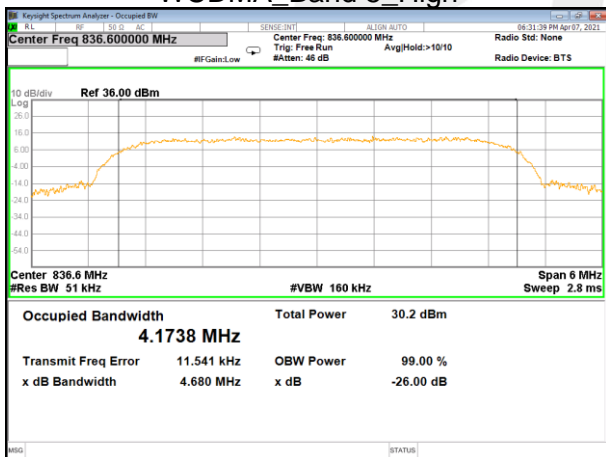
WCDMA\_Band 5\_Middle



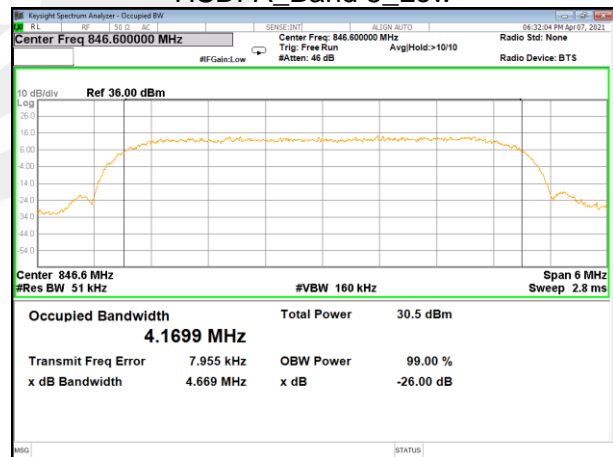
WCDMA\_Band 5\_High



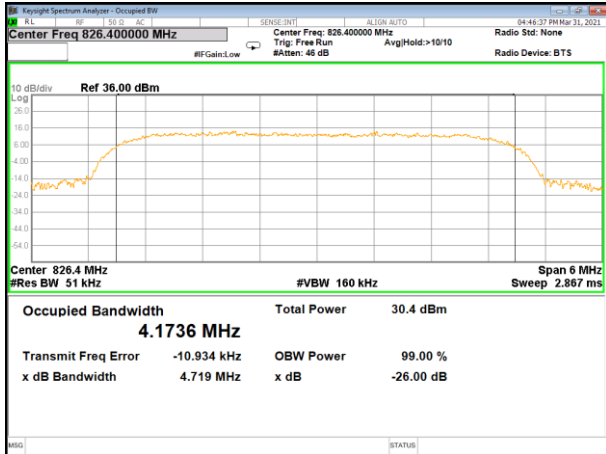
HSDPA\_Band 5\_Low



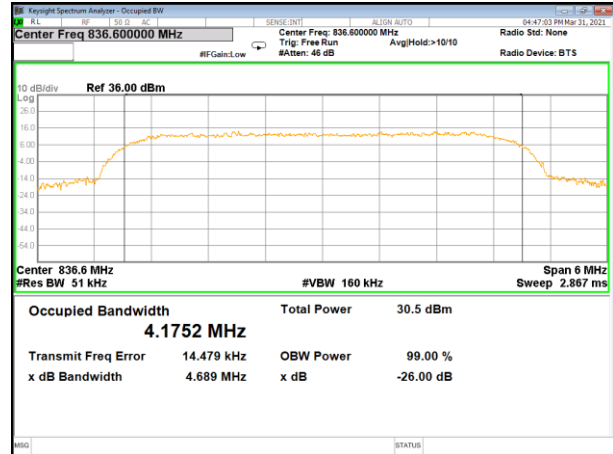
HSDPA\_Band 5\_Middle



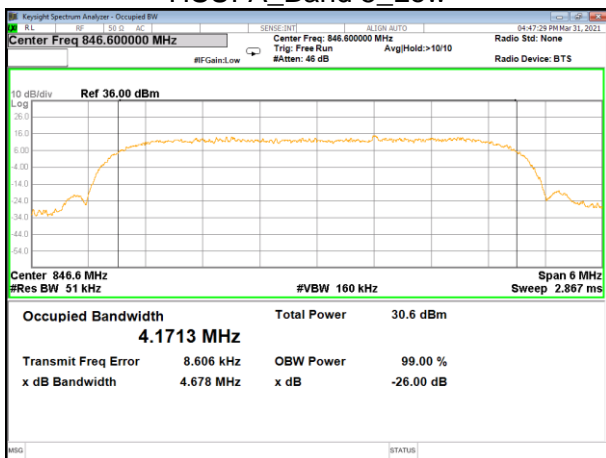
HSDPA\_Band 5\_High



HSUPA\_Band 5\_Low



HSUPA\_Band 5\_Middle



HSUPA\_Band 5\_High



A5. FREQUENCY STABILITY

Normal Voltage = 3.8V; Battery End Point (BEP) = 4.3V; Maximum Voltage =3.6V

GSM 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	36.16	0.043	2.5ppm	PASS
40		36.15	0.043		
30		32.47	0.039		
20		12.94	0.015		
10		23.68	0.028		
0		26.14	0.031		
-10		34.57	0.041		
-20		22.60	0.027		
-30		33.97	0.041		
20		Maximum Voltage	35.66		
20	BEP	25.31	0.030		

GPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	31.04	0.037	2.5ppm	PASS
40		28.16	0.034		
30		36.25	0.043		
20		28.08	0.034		
10		19.13	0.023		
0		26.39	0.032		
-10		27.80	0.033		
-20		29.94	0.036		
-30		13.78	0.016		
20		Maximum Voltage	23.95		
20	BEP	26.94	0.032		

EGPRS 850 /836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	20.32	0.024	2.5ppm	PASS
40		35.35	0.042		
30		32.98	0.039		
20		24.29	0.029		
10		33.19	0.040		
0		28.67	0.034		
-10		35.90	0.043		
-20		33.77	0.040		
-30		21.47	0.026		
20		Maximum Voltage	14.04		
20	BEP	24.00	0.029		





GSM 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	17.54	0.009	Within Authorized Band	PASS
40		34.35	0.018		
30		31.90	0.017		
20		34.87	0.019		
10		30.56	0.016		
0		12.15	0.006		
-10		26.14	0.014		
-20		26.18	0.014		
-30		21.92	0.012		
20		Maximum Voltage	35.09		
20	BEP	16.21	0.009		

GPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	22.77	0.012	Within Authorized Band	PASS
40		35.14	0.019		
30		32.01	0.017		
20		30.50	0.016		
10		12.47	0.007		
0		35.68	0.019		
-10		35.83	0.019		
-20		15.85	0.008		
-30		14.05	0.007		
20		Maximum Voltage	24.80		
20	BEP	36.40	0.019		

EGPRS 1900 / 1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	35.28	0.019	Within Authorized Band	PASS
40		26.46	0.014		
30		11.84	0.006		
20		26.51	0.014		
10		35.67	0.019		
0		26.13	0.014		
-10		33.22	0.018		
-20		12.49	0.007		
-30		17.07	0.009		
20		Maximum Voltage	34.41		
20	BEP	27.69	0.015		



UMTS Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	19.80	0.011	Within Authorized Band	PASS
40		15.87	0.008		
30		21.34	0.011		
20		27.44	0.015		
10		28.00	0.015		
0		28.05	0.015		
-10		17.59	0.009		
-20		23.62	0.013		
-30		25.69	0.014		
20		Maximum Voltage	29.13		
20	BEP	31.11	0.017		

HSDPA Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	30.69	0.016	Within Authorized Band	PASS
40		26.00	0.014		
30		24.57	0.013		
20		19.00	0.010		
10		11.89	0.006		
0		14.66	0.008		
-10		21.39	0.011		
-20		32.46	0.017		
-30		27.02	0.014		
20		Maximum Voltage	15.04		
20	BEP	24.93	0.013		

HSUPA Band 2 /1880MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	13.73	0.007	Within Authorized Band	PASS
40		15.28	0.008		
30		22.36	0.012		
20		21.99	0.012		
10		24.34	0.013		
0		27.14	0.014		
-10		15.55	0.008		
-20		16.52	0.009		
-30		32.34	0.017		
20		Maximum Voltage	15.57		
20	BEP	24.88	0.013		



UMTS Band 5 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	16.91	0.020	2.5ppm	PASS
40		14.16	0.017		
30		20.15	0.024		
20		18.17	0.022		
10		32.26	0.039		
0		26.50	0.032		
-10		31.83	0.038		
-20		19.44	0.023		
-30		24.66	0.029		
20		Maximum Voltage	23.73		
20	BEP	32.42	0.039		

HSDPA Band 5 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	20.52	0.025	2.5ppm	PASS
40		32.01	0.038		
30		30.21	0.036		
20		35.61	0.043		
10		18.40	0.022		
0		15.97	0.019		
-10		19.07	0.023		
-20		32.79	0.039		
-30		22.86	0.027		
20		Maximum Voltage	16.88		
20	BEP	22.23	0.027		

HSUPA Band 5 / 836.6MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	27.05	0.032	2.5ppm	PASS
40		33.65	0.040		
30		22.10	0.026		
20		31.75	0.038		
10		16.49	0.020		
0		29.81	0.036		
-10		12.85	0.015		
-20		25.29	0.030		
-30		27.48	0.033		
20		Maximum Voltage	30.10		
20	BEP	34.39	0.041		



UMTS Band 4 /1740MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	25.56	0.014	Within Authorized Band	PASS
40		26.46	0.014		
30		28.61	0.015		
20		28.21	0.015		
10		21.32	0.011		
0		28.00	0.015		
-10		20.19	0.011		
-20		31.50	0.017		
-30		22.53	0.012		
20		Maximum Voltage	20.50		
20	BEP	11.55	0.006		

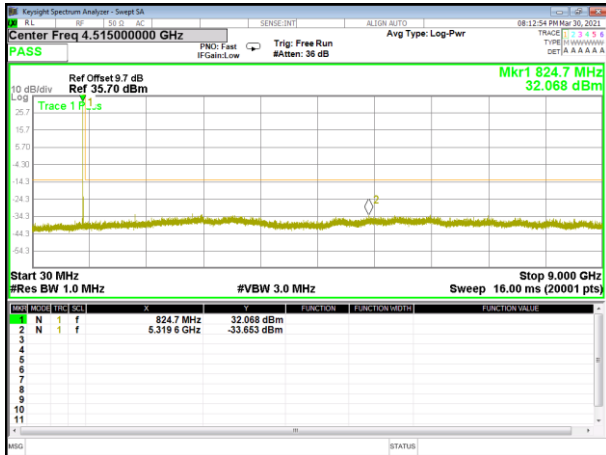
HSDPA Band 4 /1740MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	29.81	0.016	Within Authorized Band	PASS
40		12.04	0.006		
30		32.22	0.017		
20		13.45	0.007		
10		30.46	0.016		
0		25.16	0.013		
-10		15.83	0.008		
-20		31.77	0.017		
-30		31.73	0.017		
20		Maximum Voltage	26.30		
20	BEP	28.56	0.015		

HSUPA Band 4 /1740MHz					
Temperature (°C)	Voltage	Freq. Dev.	Freq. Dev.	Limit	Result
	(Volt)	(Hz)	(ppm)		
50	Normal Voltage	35.90	0.019	Within Authorized Band	PASS
40		31.59	0.017		
30		21.68	0.012		
20		25.48	0.014		
10		35.76	0.019		
0		30.87	0.016		
-10		24.39	0.013		
-20		16.83	0.009		
-30		13.33	0.007		
20		Maximum Voltage	35.29		
20	BEP	28.03	0.015		

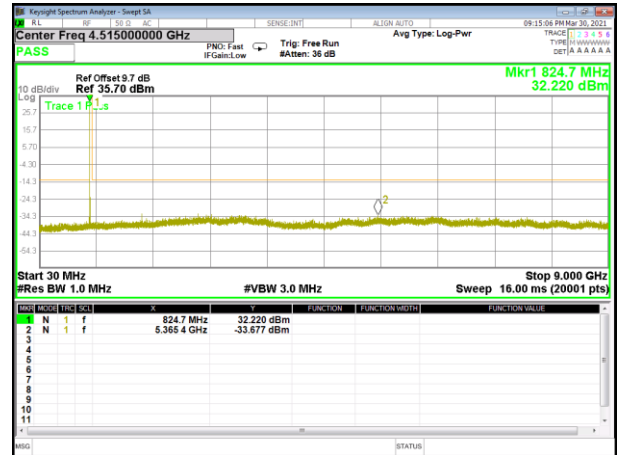
1. The frequency fundamental emissions stay within the authorized frequency block based on the frequency deviation measured is small.



### A6. SPURIOUS EMISSIONS AT ANTENNA TERMINALS



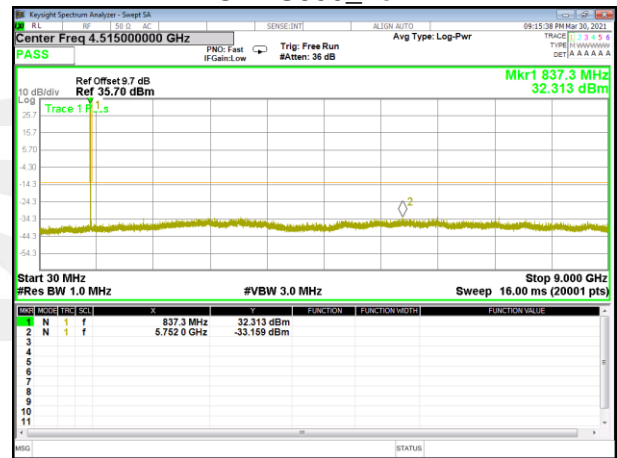
GSM850\_Low



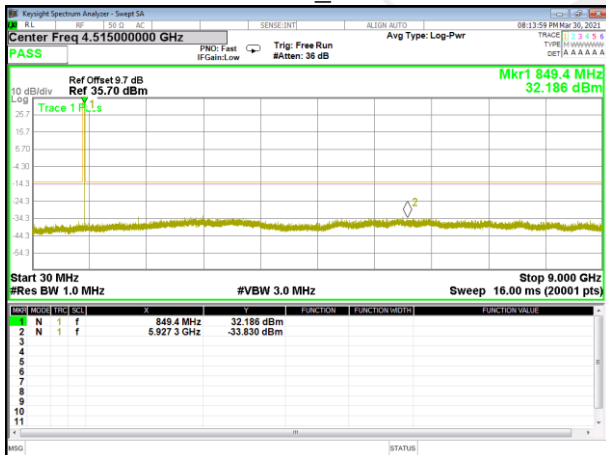
GPRS850\_Low



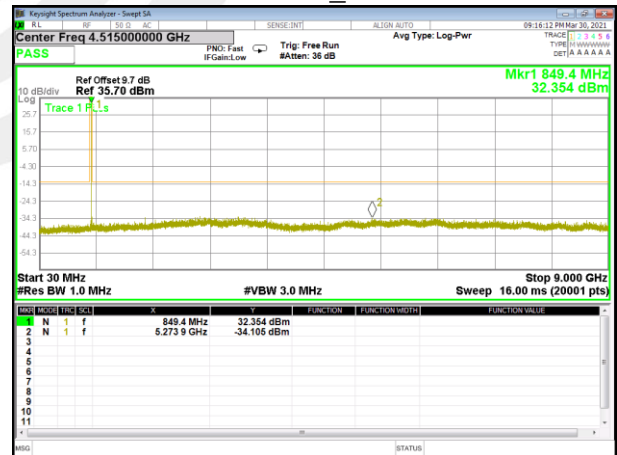
GSM850\_Middle



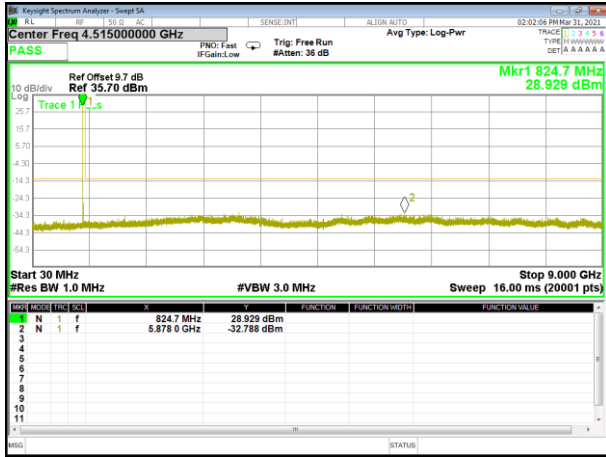
GPRS850\_Middle



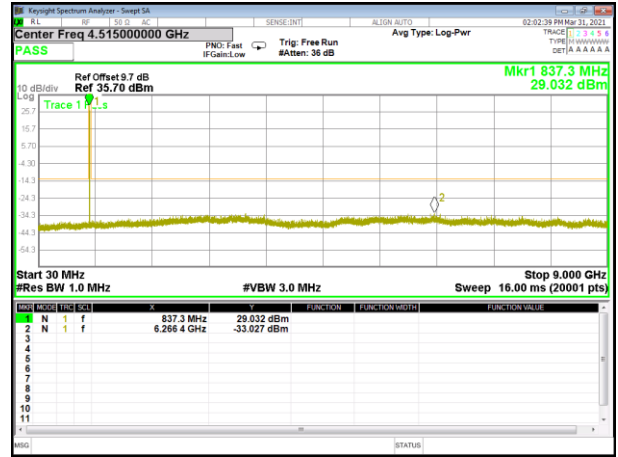
GSM850\_High



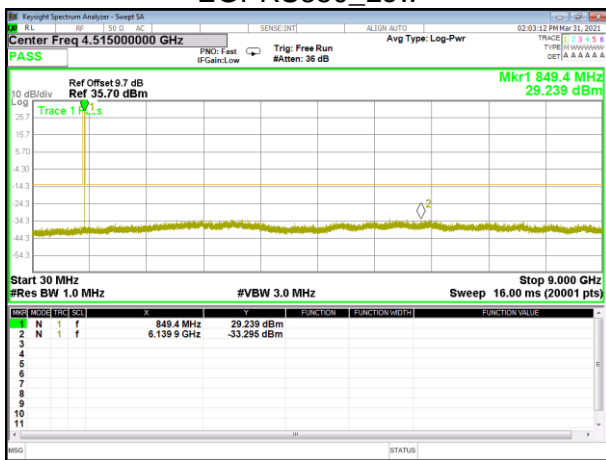
GPRS850\_High



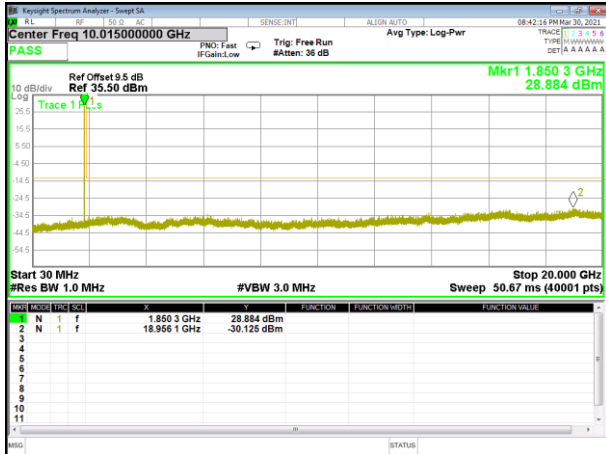
EGPRS850\_Low



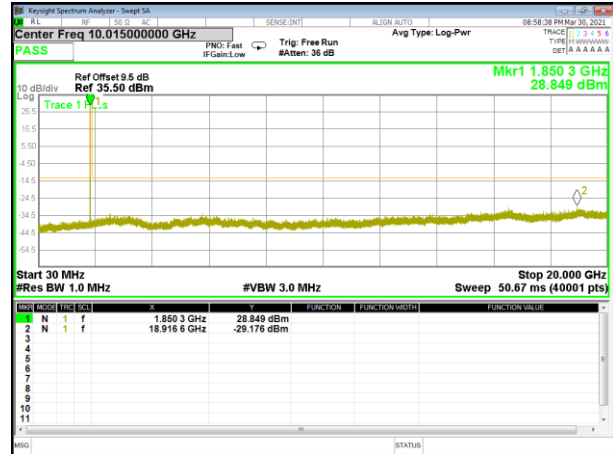
EGPRS850\_Middle



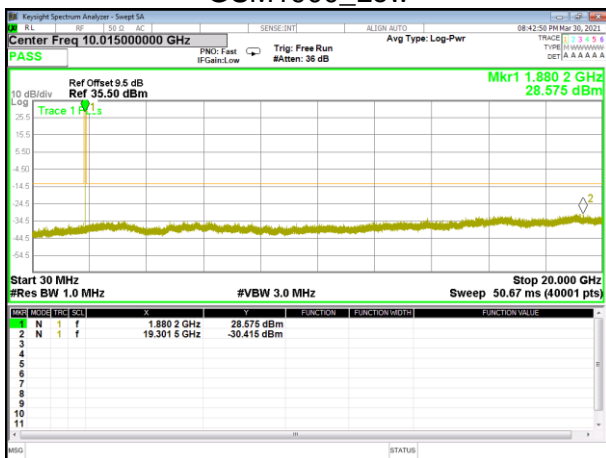
EGPRS850\_High



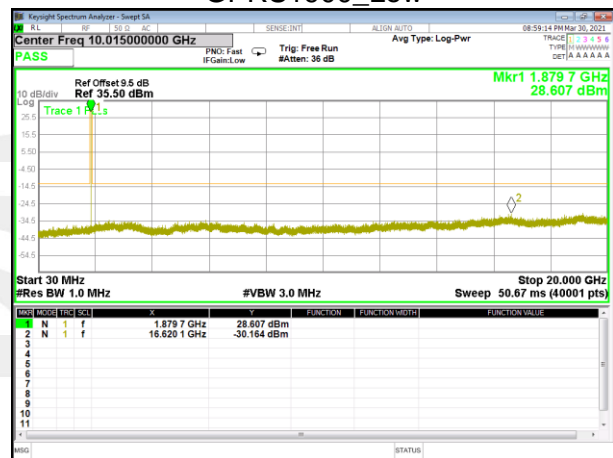
GSM1900\_Low



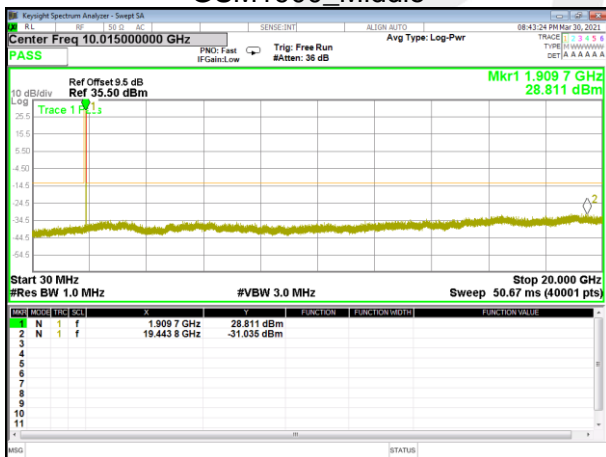
GPRS1900\_Low



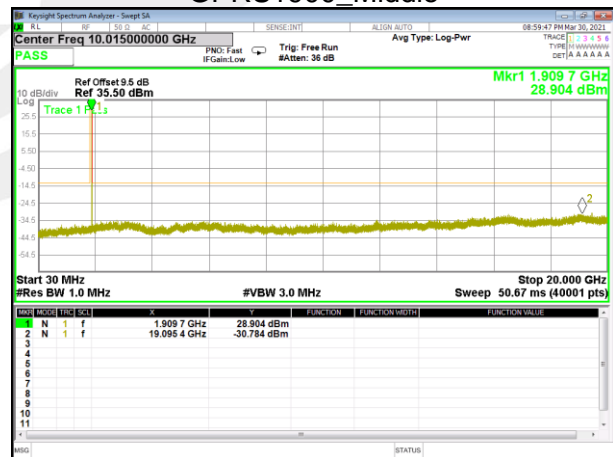
GSM1900\_Middle



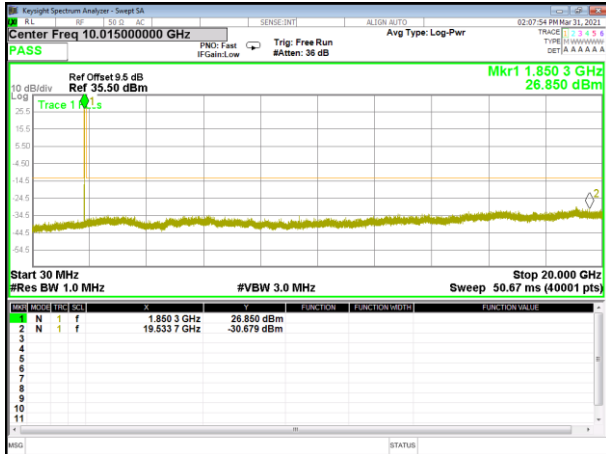
GPRS1900\_Middle



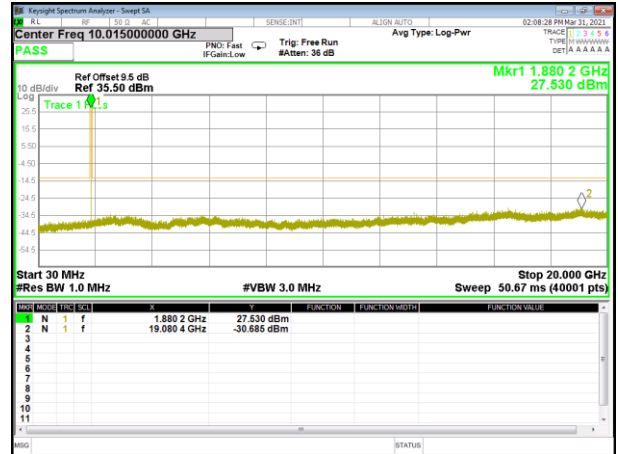
GSM1900\_High



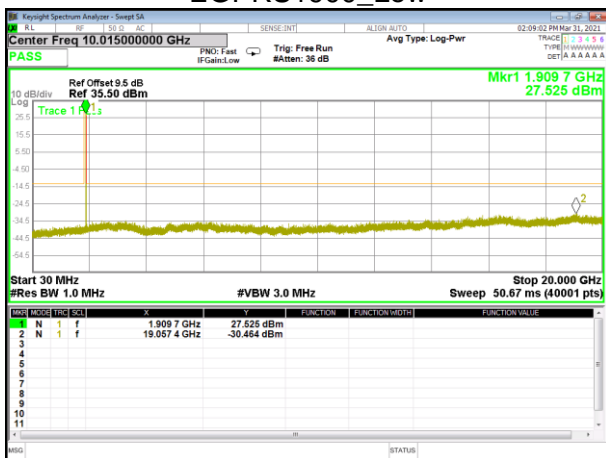
GPRS1900\_High



EGPRS1900\_Low

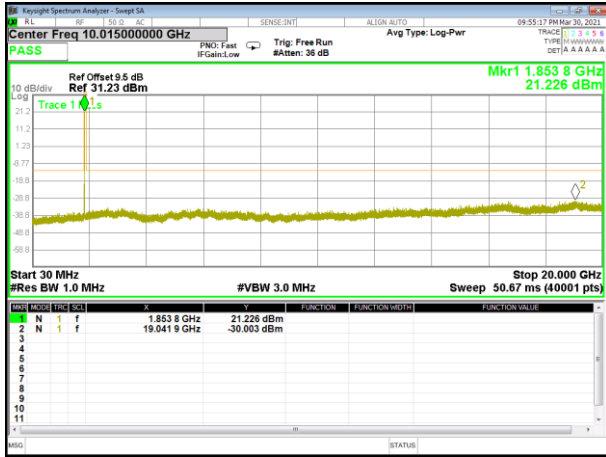


EGPRS1900\_Middle

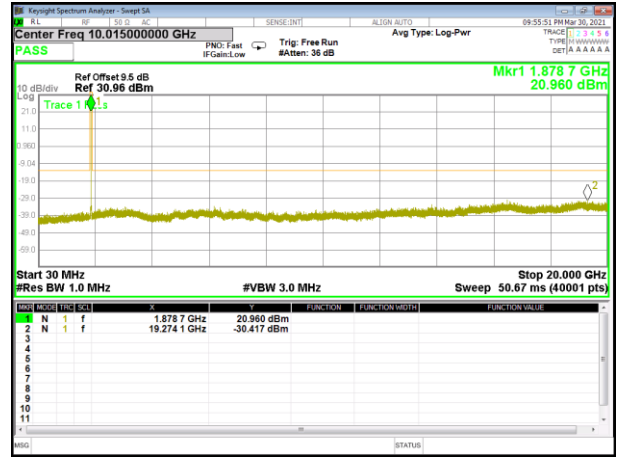


EGPRS1900\_High

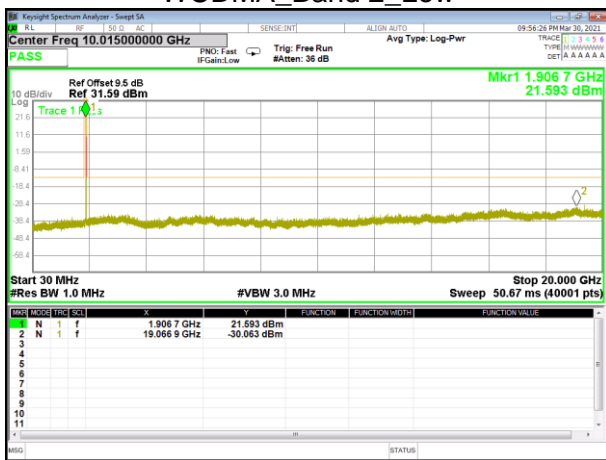




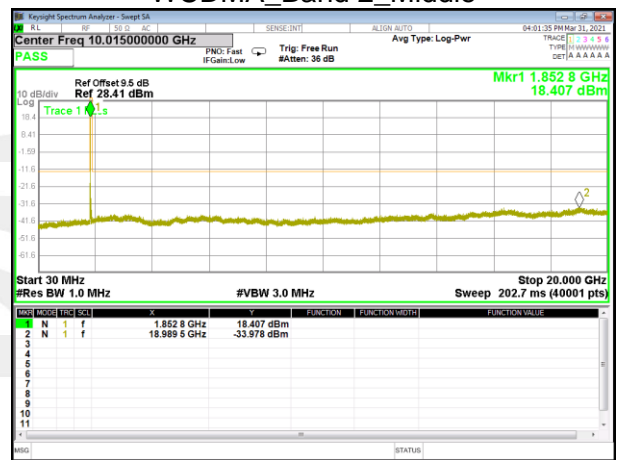
WCDMA\_Band 2\_Low



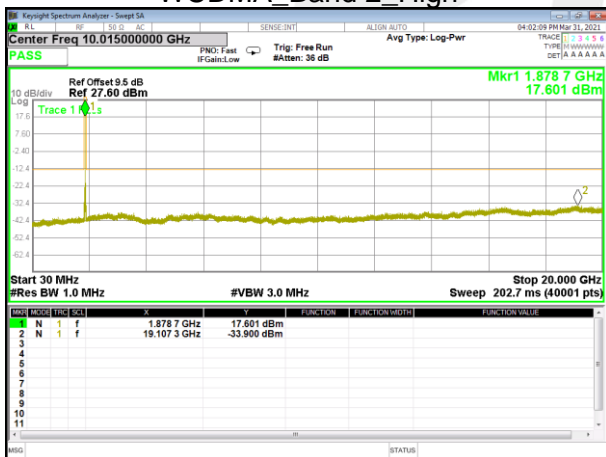
WCDMA\_Band 2\_Middle



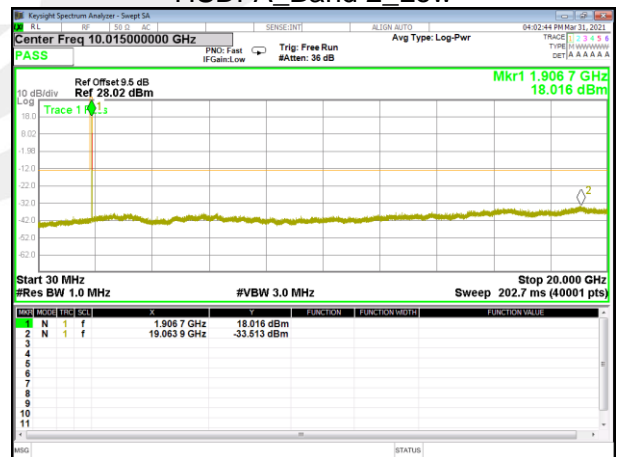
WCDMA\_Band 2\_High



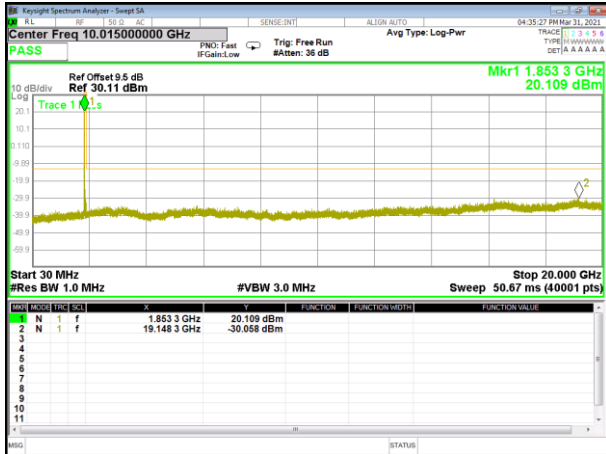
HSDPA\_Band 2\_Low



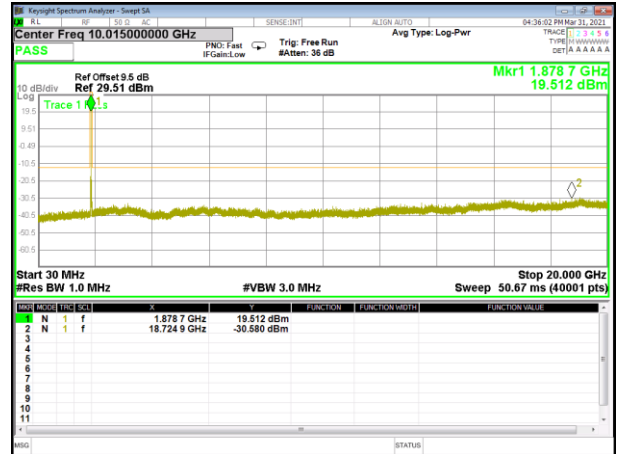
HSDPA\_Band 2\_Middle



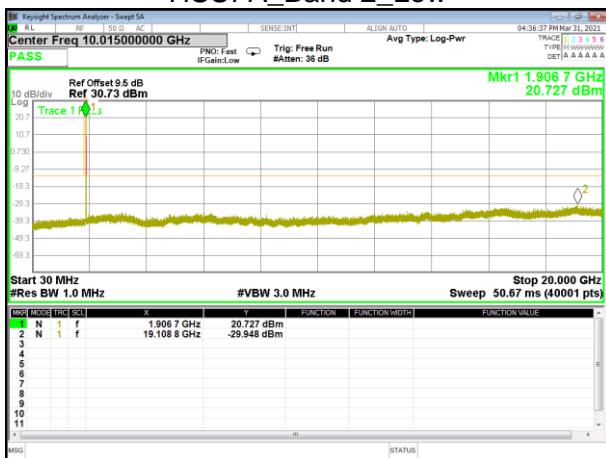
HSDPA\_Band 2\_High



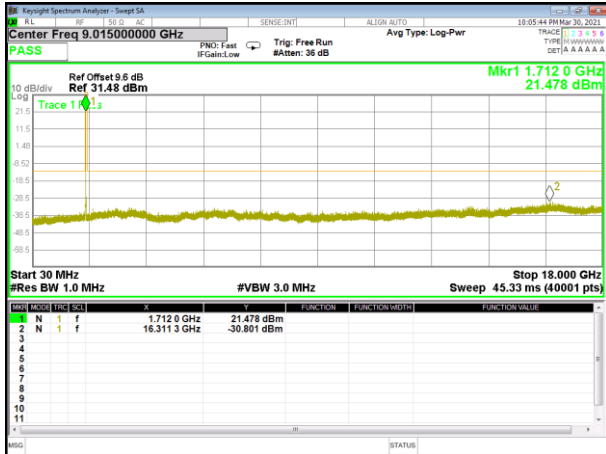
HSUPA\_Band 2\_Low



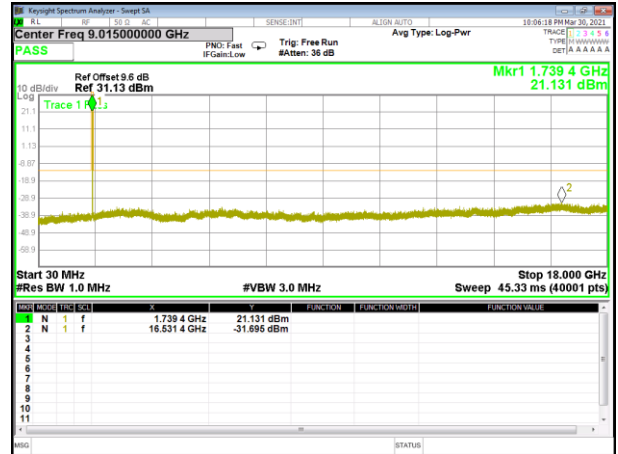
HSUPA\_Band 2\_Middle



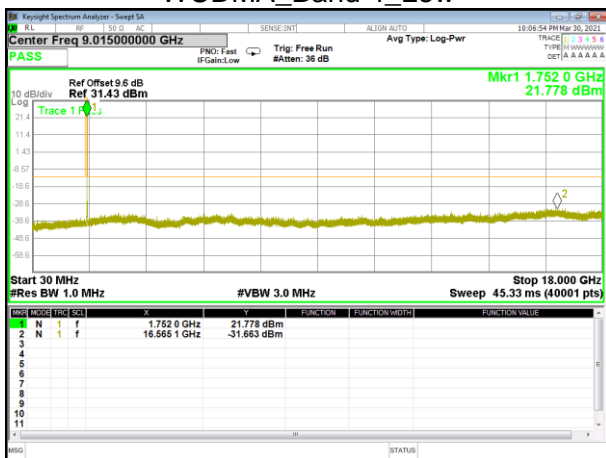
HSUPA\_Band 2\_High



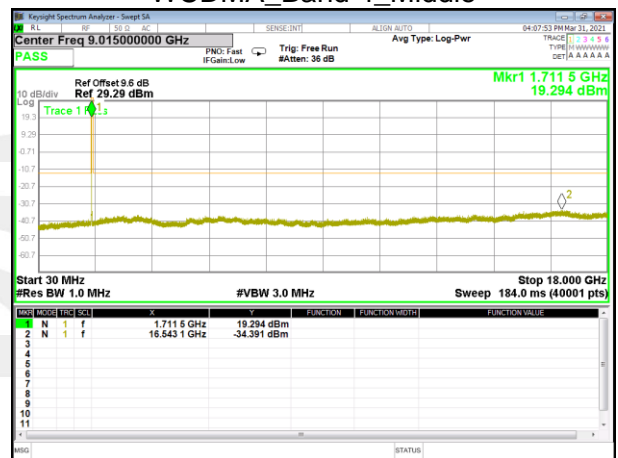
WCDMA\_Band 4\_Low



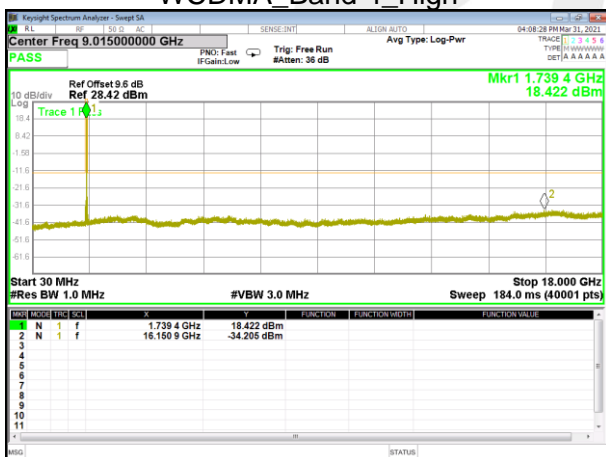
WCDMA\_Band 4\_Middle



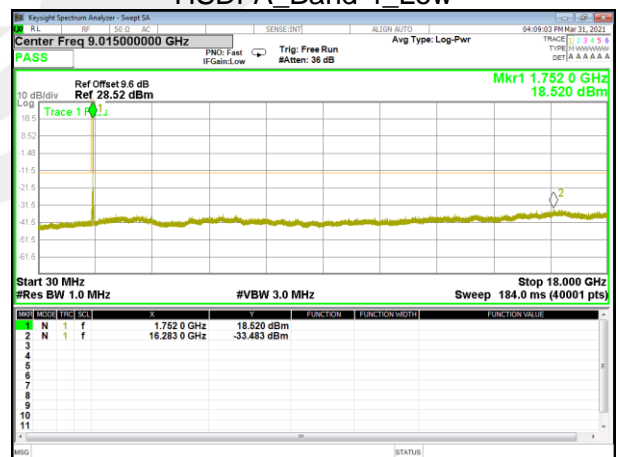
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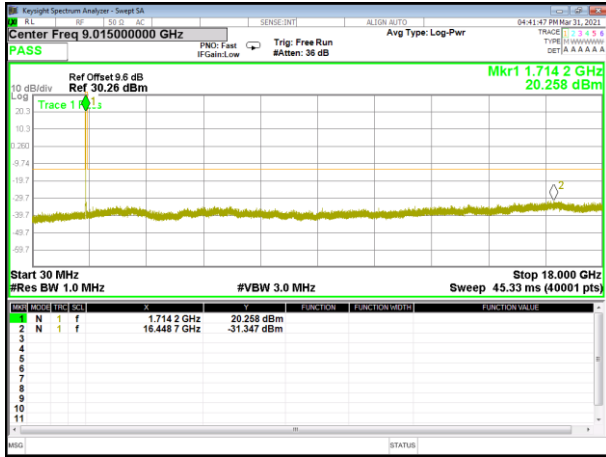
HSDPA\_Band 4\_Low



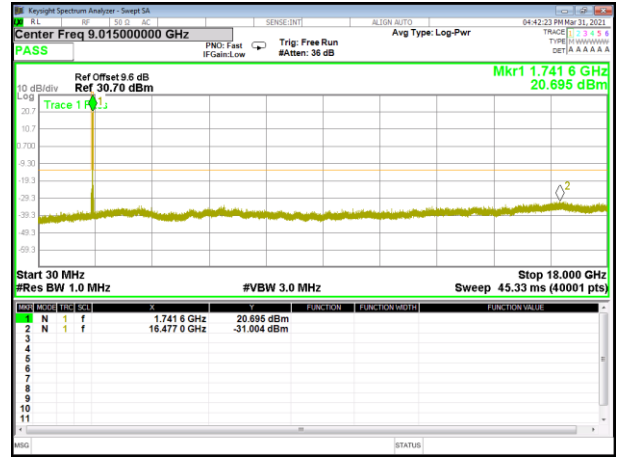
HSDPA\_Band 4\_Middle



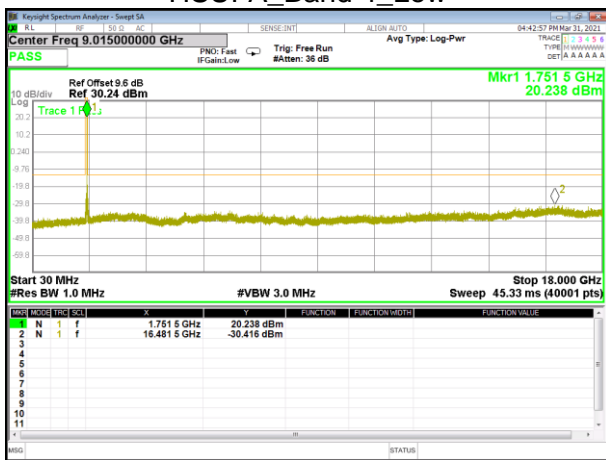
HSDPA\_Band 4\_High



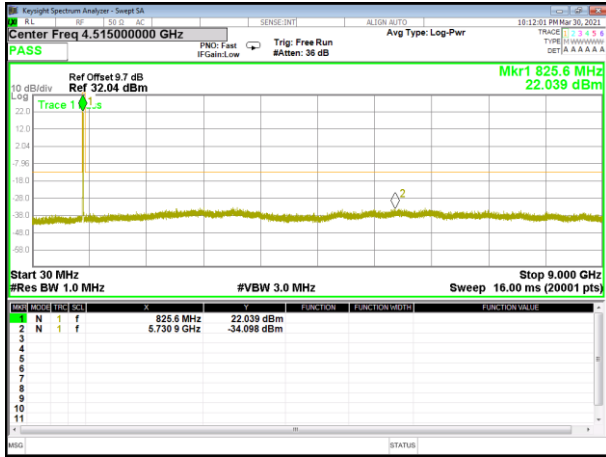
HSUPA\_Band 4\_Low



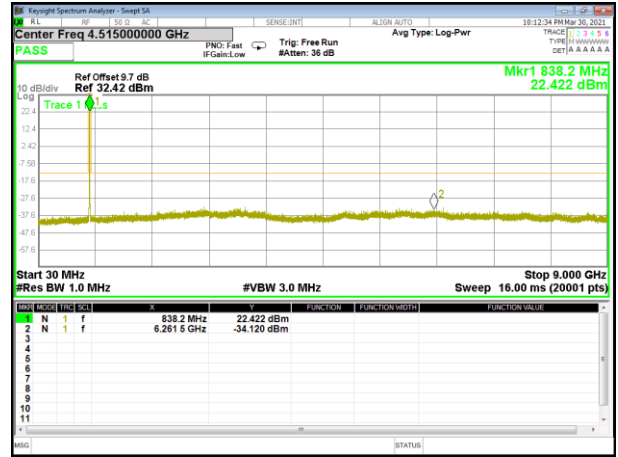
HSUPA\_Band 4\_Middle



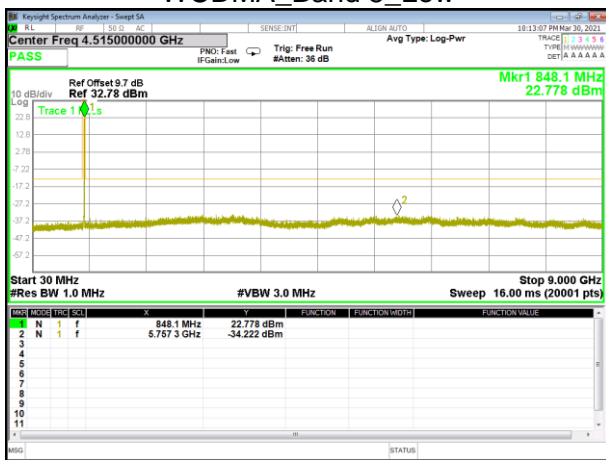
HSUPA\_Band 4\_High



WCDMA\_Band 5\_Low



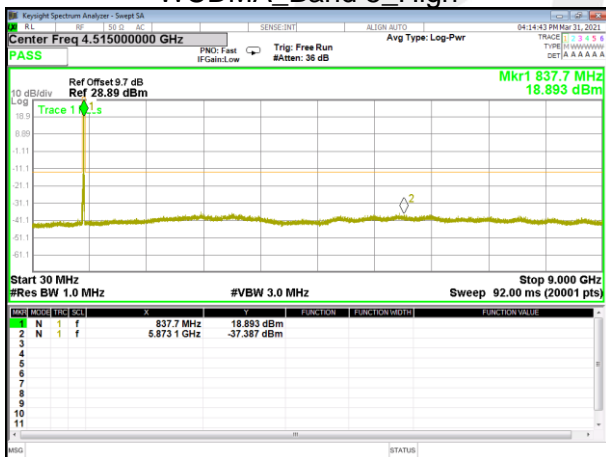
WCDMA\_Band 5\_Middle



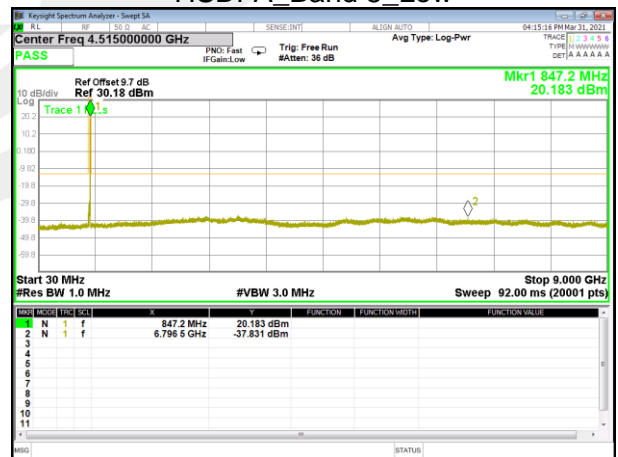
WCDMA\_Band 5\_High



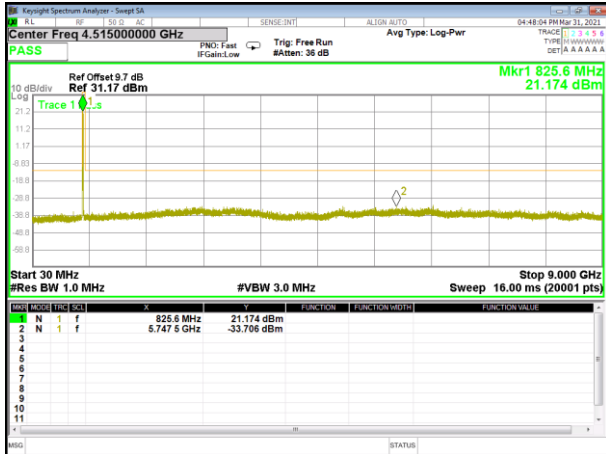
HSDPA\_Band 5\_Low



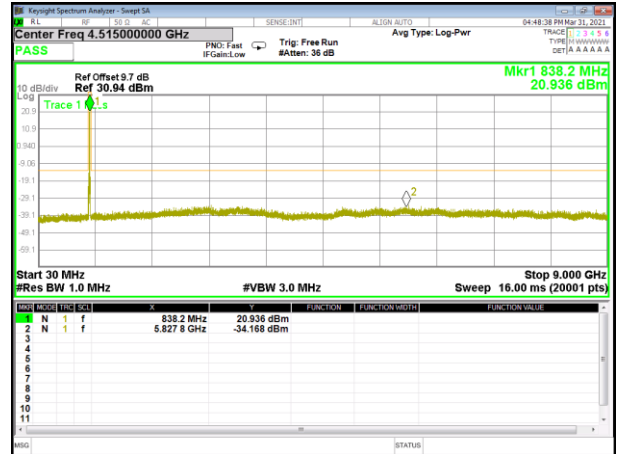
HSDPA\_Band 5\_Middle



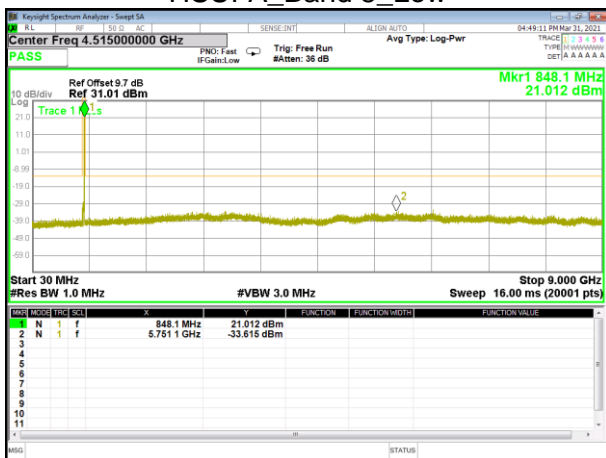
HSDPA\_Band 5\_High



HSUPA\_Band 5\_Low



HSUPA\_Band 5\_Middle



HSUPA\_Band 5\_High