

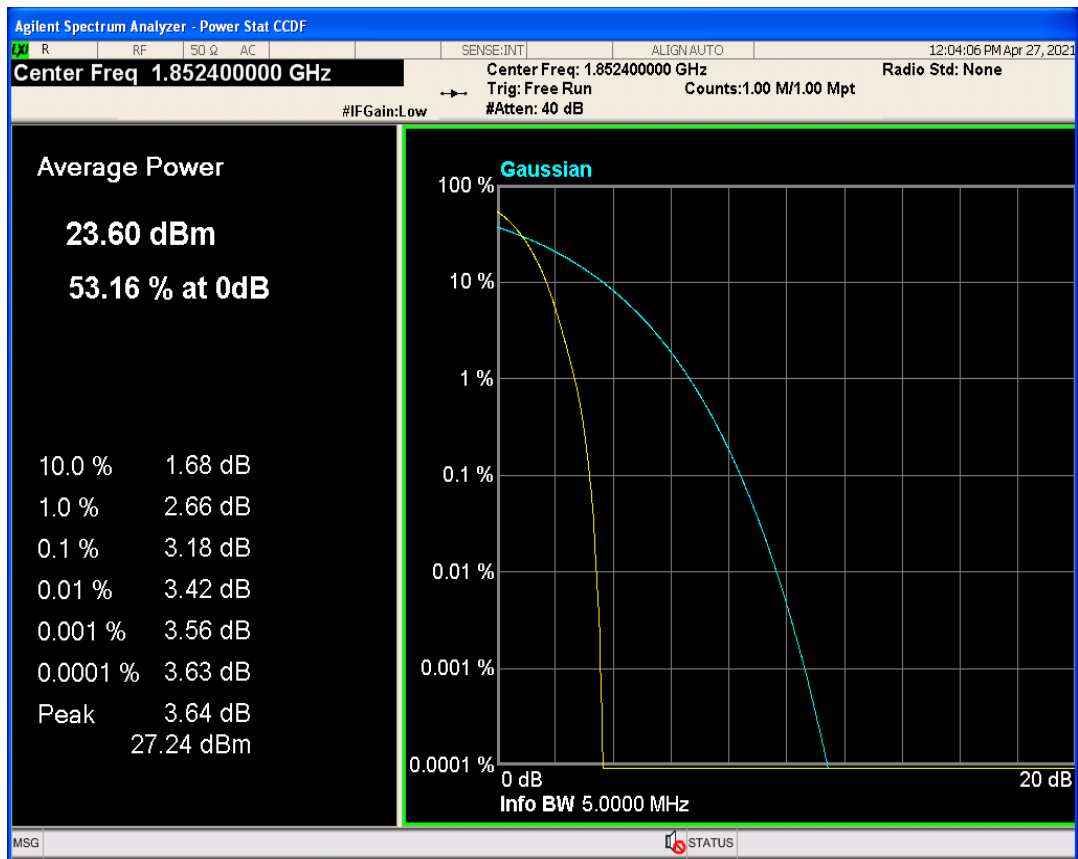
01 Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)
WCDMA Band2	9262	1852.4	22.90
WCDMA Band2	9400	1880	23.12
WCDMA Band2	9538	1907.6	23.14
WCDMA Band4	1312	1712.4	23.12
WCDMA Band4	1413	1732.6	23.21
WCDMA Band4	1513	1752.6	23.53
WCDMA Band5	4132	826.4	22.66
WCDMA Band5	4182	836.4	23.03
WCDMA Band5	4233	846.6	23.01

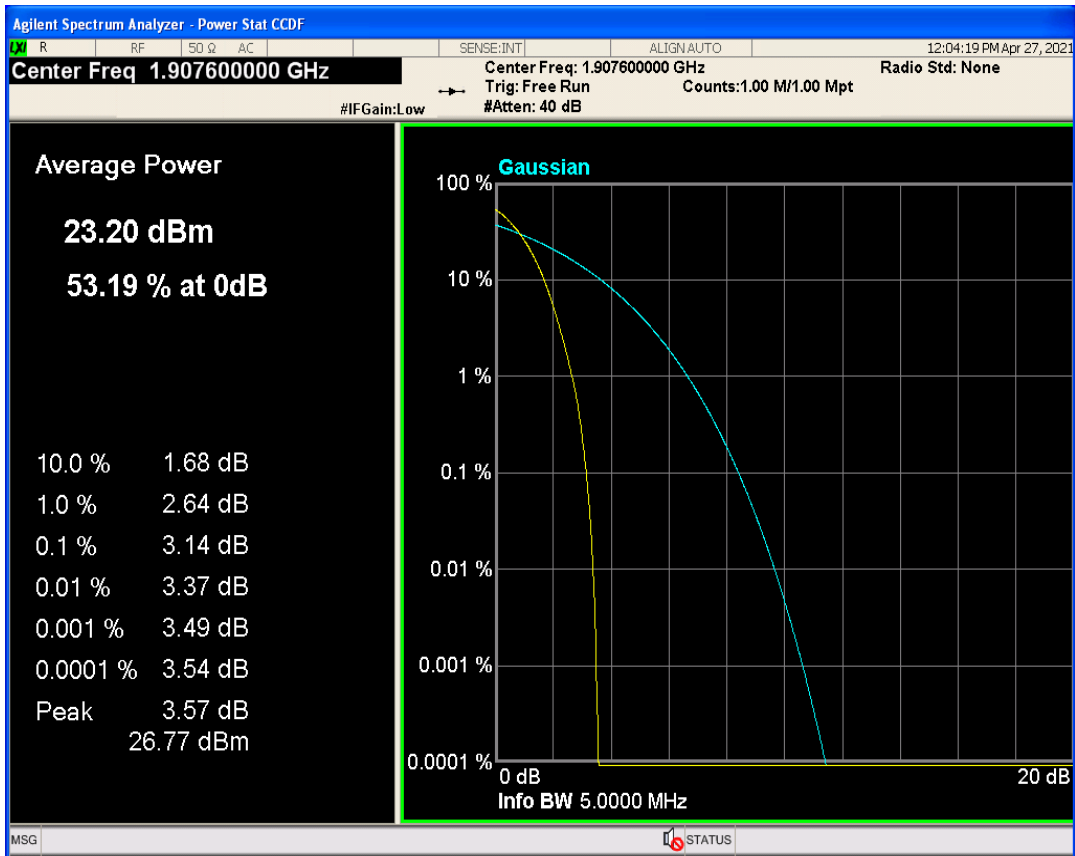
02 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
WCDMA Band2	9262	1852.4	3.18	13	PASS
WCDMA Band2	9400	1880	3.19	13	PASS
WCDMA Band2	9538	1907.6	3.14	13	PASS
WCDMA Band4	1312	1712.4	2.90	13	PASS
WCDMA Band4	1413	1732.6	2.77	13	PASS
WCDMA Band4	1513	1752.6	2.98	13	PASS
WCDMA Band5	4132	826.4	2.95	13	PASS
WCDMA Band5	4182	836.4	3.01	13	PASS
WCDMA Band5	4233	846.6	3.27	13	PASS

WCDMA Band2 Channel=9262



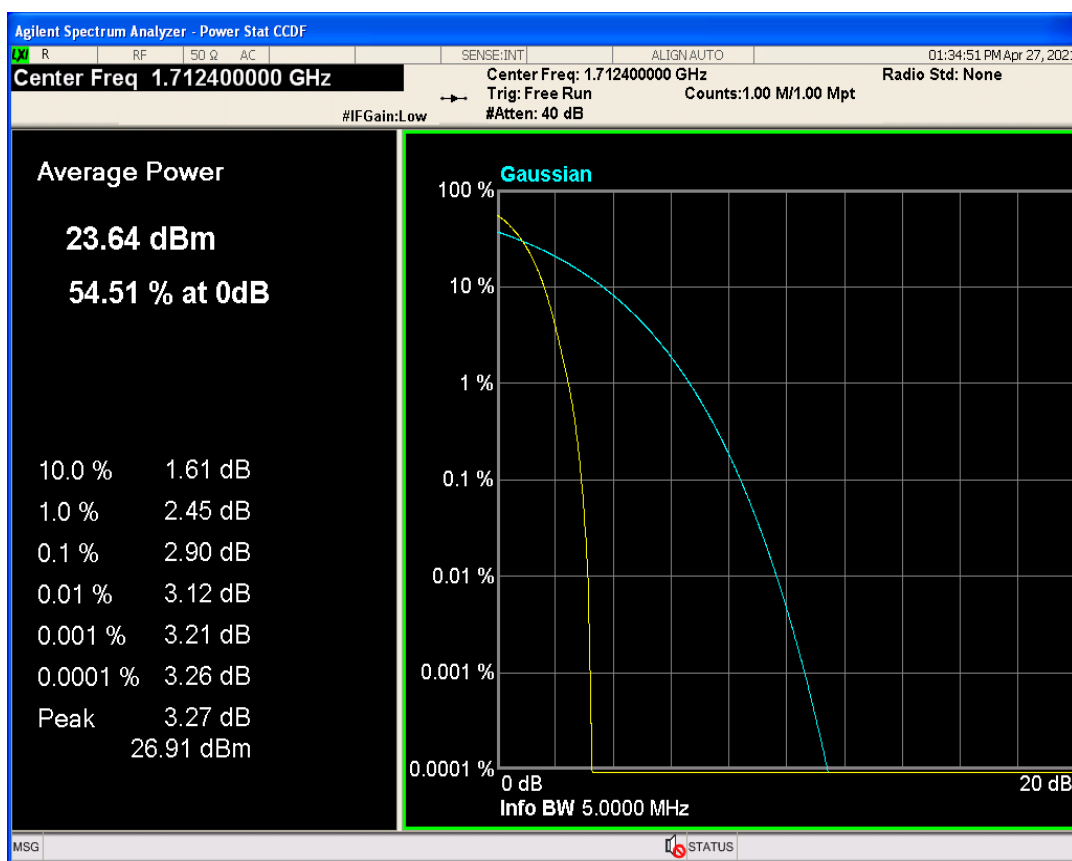
WCDMA Band2 Channel=9538



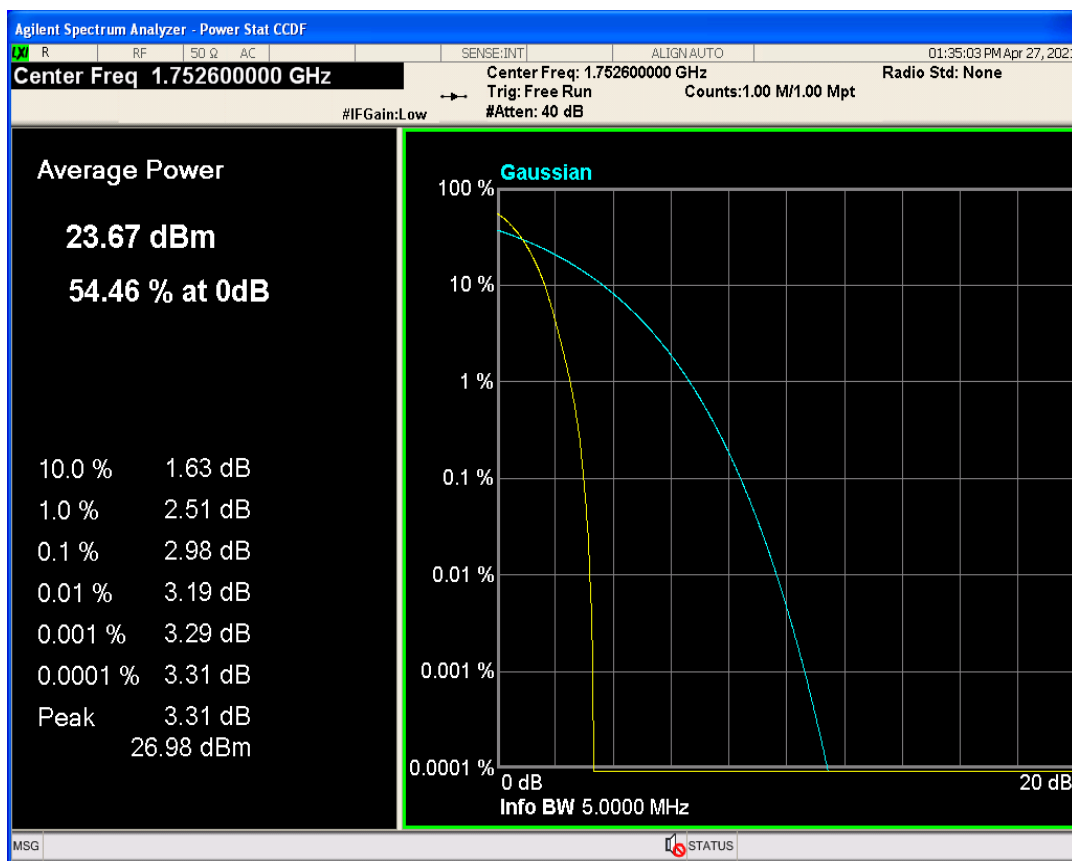
WCDMA Band2 Channel=9400



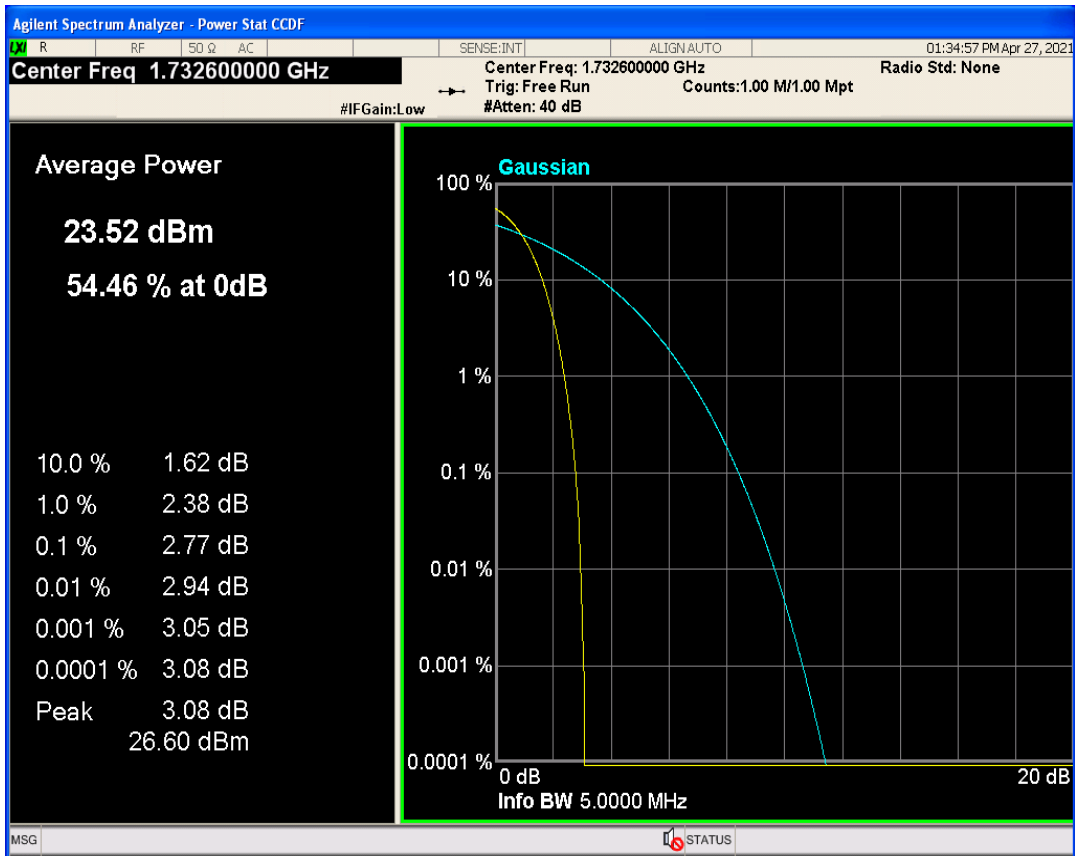
WCDMA Band4 Channel=1312



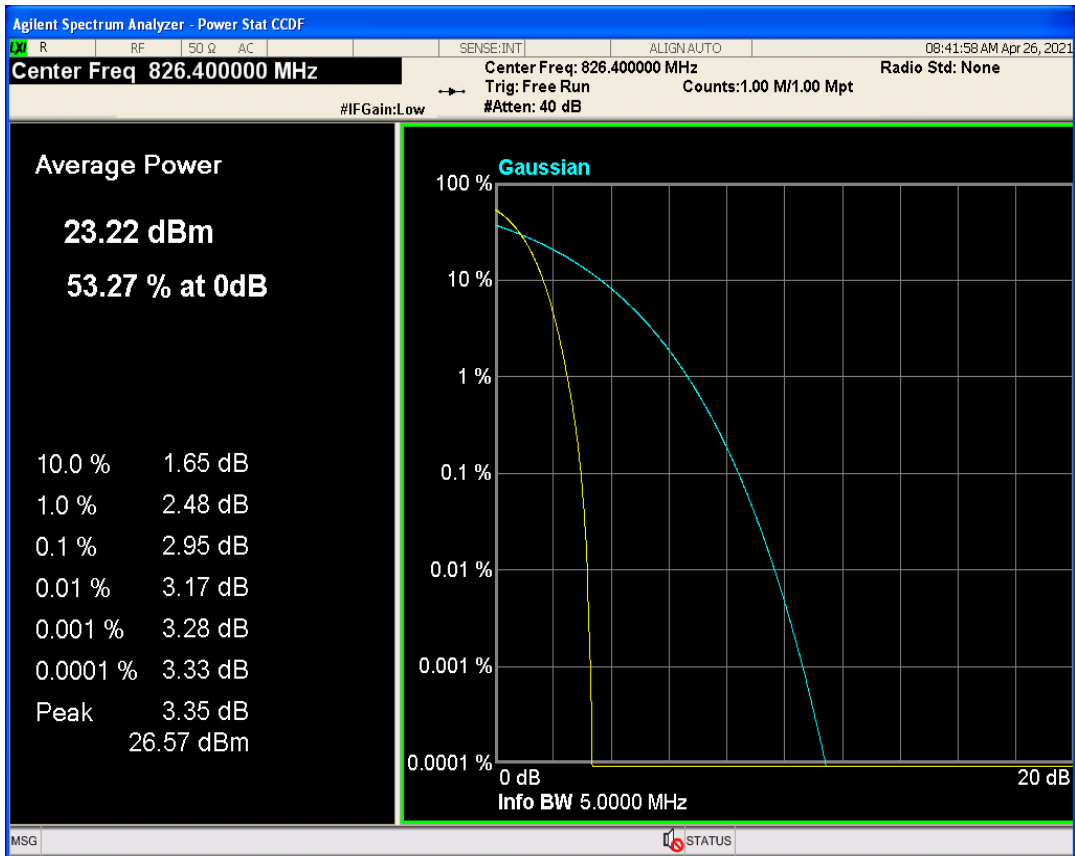
WCDMA Band4 Channel=1513



WCDMA Band4 Channel=1413



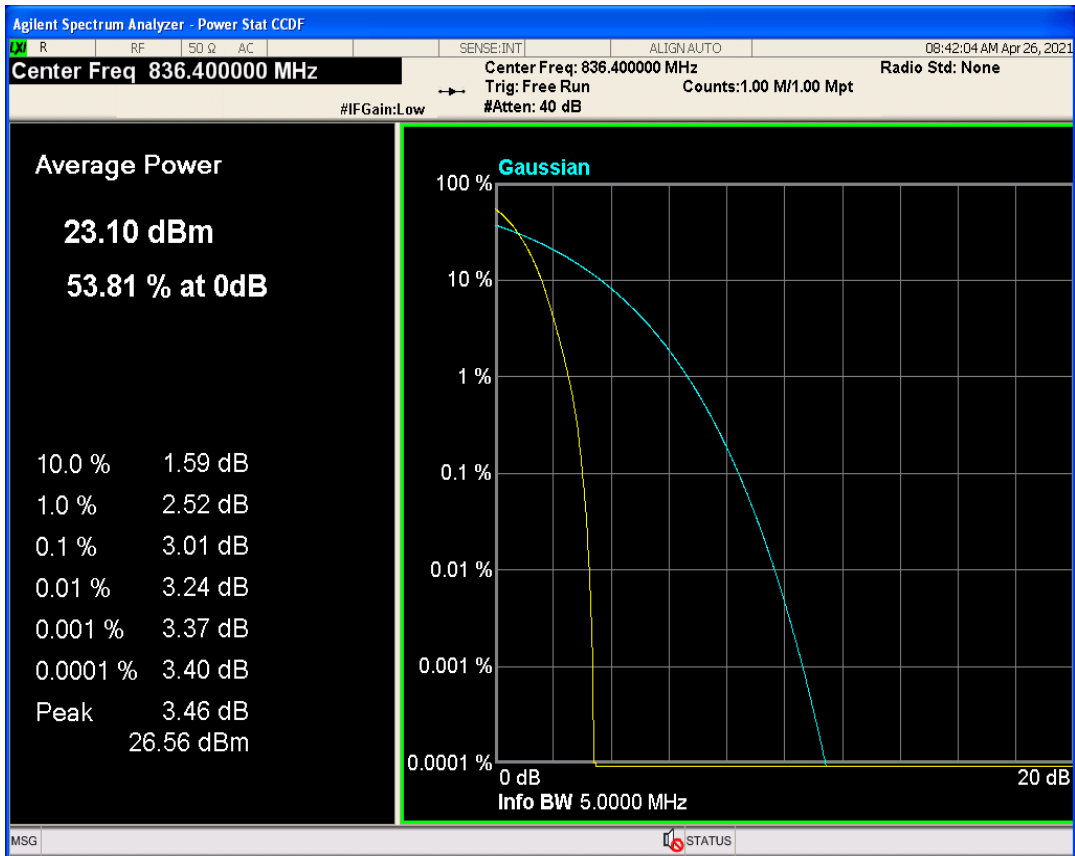
WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4233



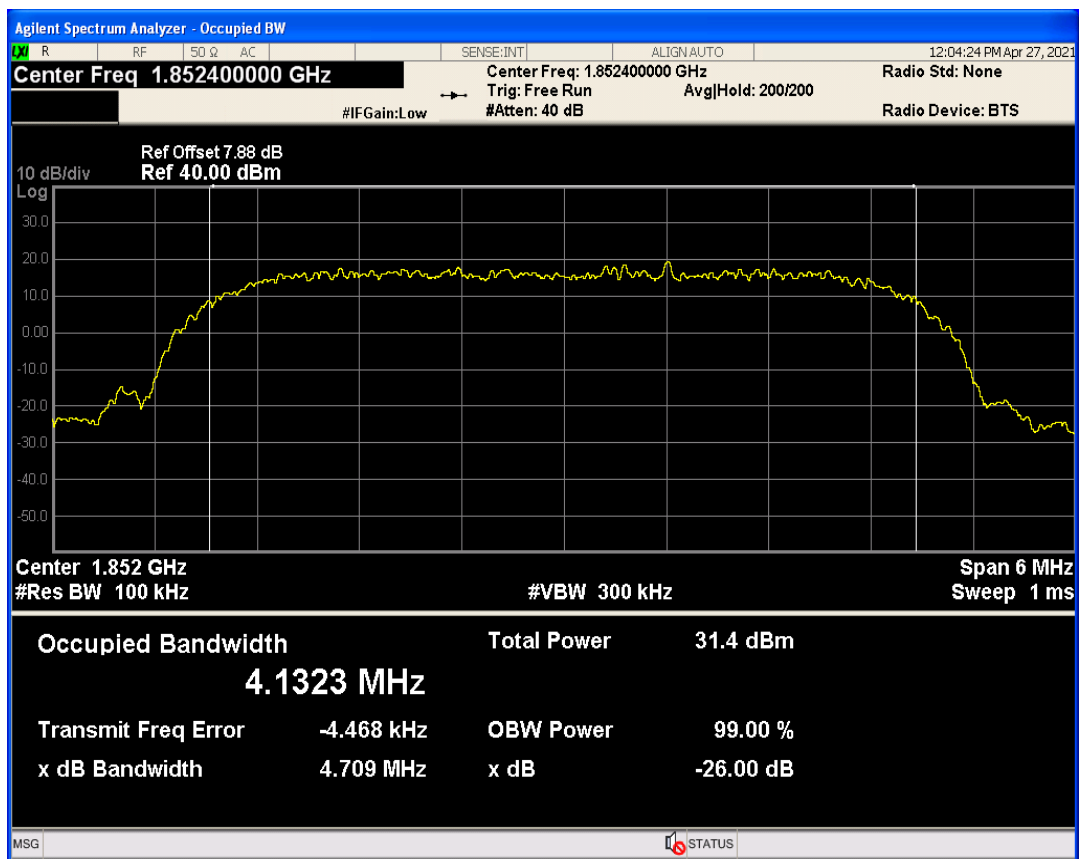
WCDMA Band5 Channel=4182



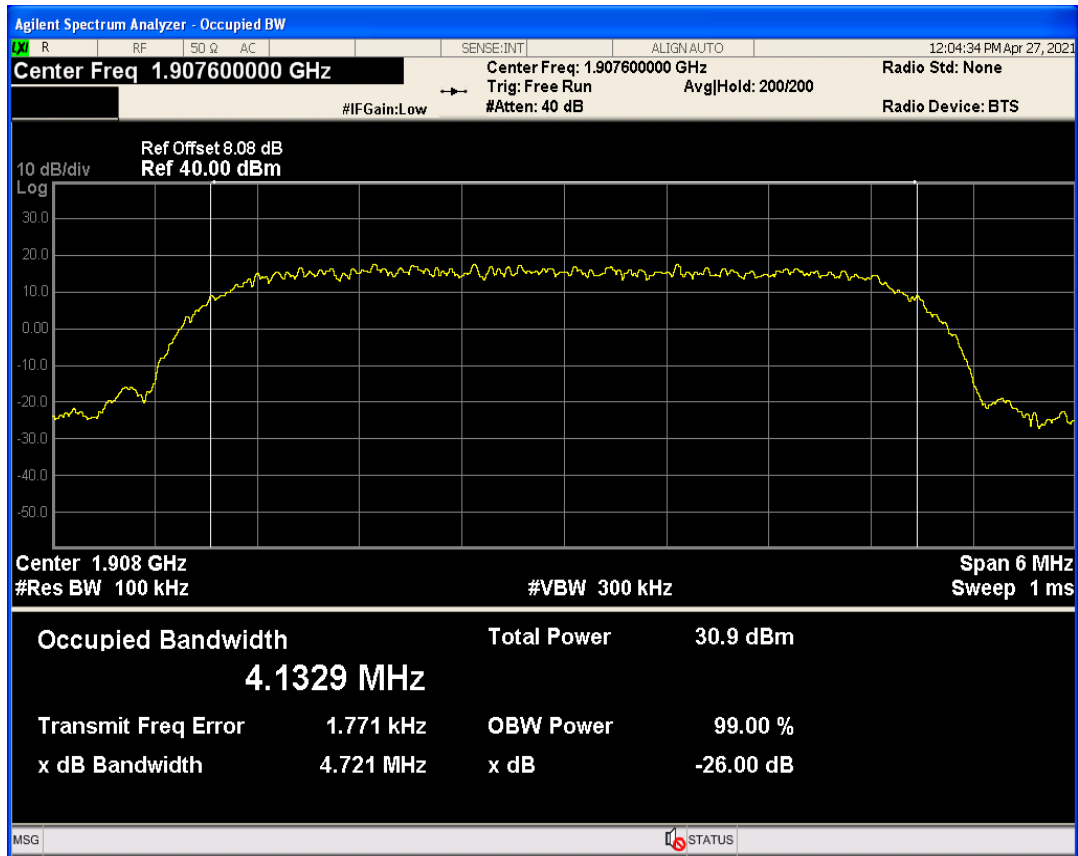
03 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
WCDMA Band2	9262	1852.4	4132.301	4709.055	PASS
WCDMA Band2	9400	1880	4147.230	4717.928	PASS
WCDMA Band2	9538	1907.6	4132.898	4720.856	PASS
WCDMA Band4	1312	1712.4	4128.169	4704.403	PASS
WCDMA Band4	1413	1732.6	4133.472	4748.226	PASS
WCDMA Band4	1513	1752.6	4135.796	4704.237	PASS
WCDMA Band5	4132	826.4	4145.818	4735.625	PASS
WCDMA Band5	4182	836.4	4132.865	4706.874	PASS
WCDMA Band5	4233	846.6	4141.327	4688.019	PASS

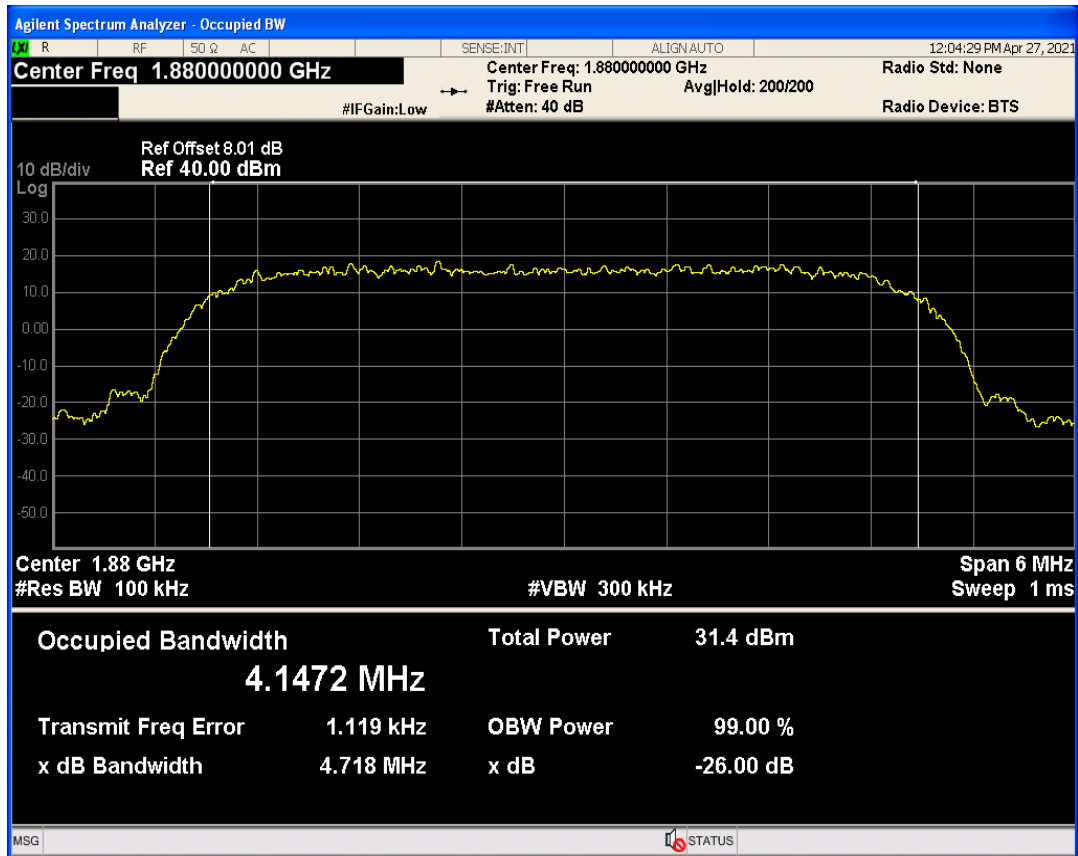
WCDMA Band2 Channel=9262



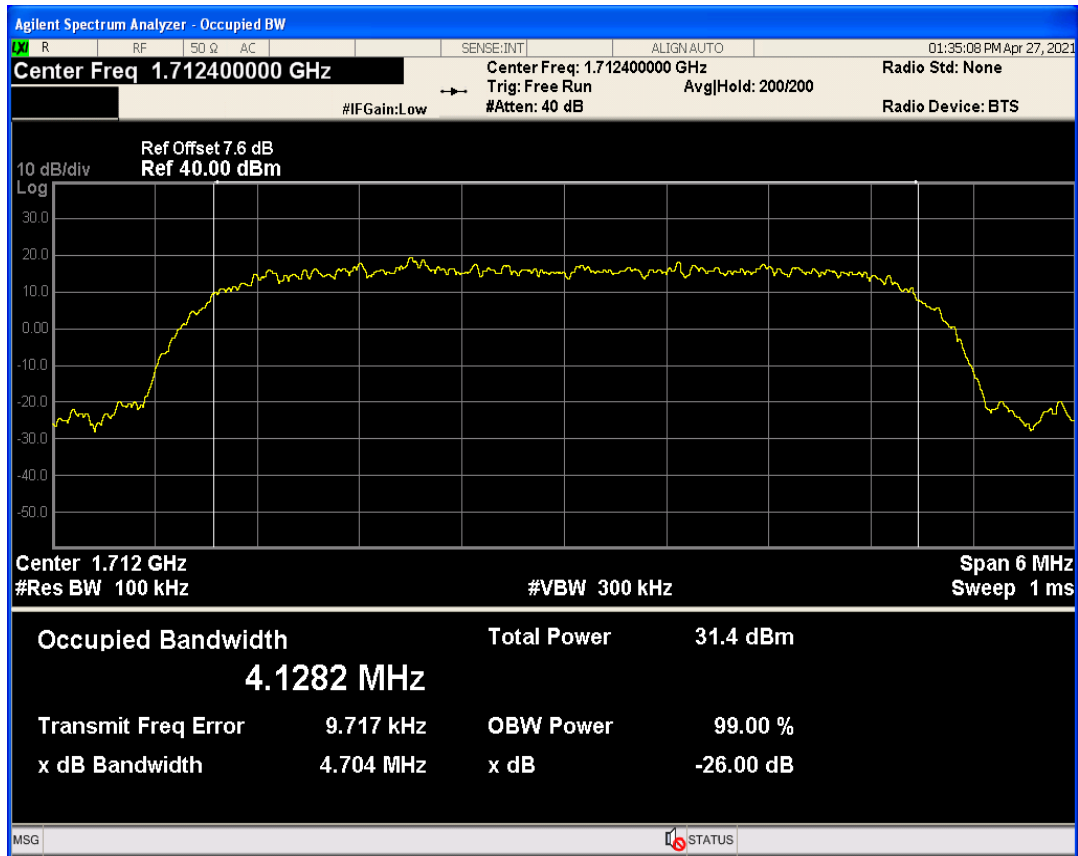
WCDMA Band2 Channel=9538



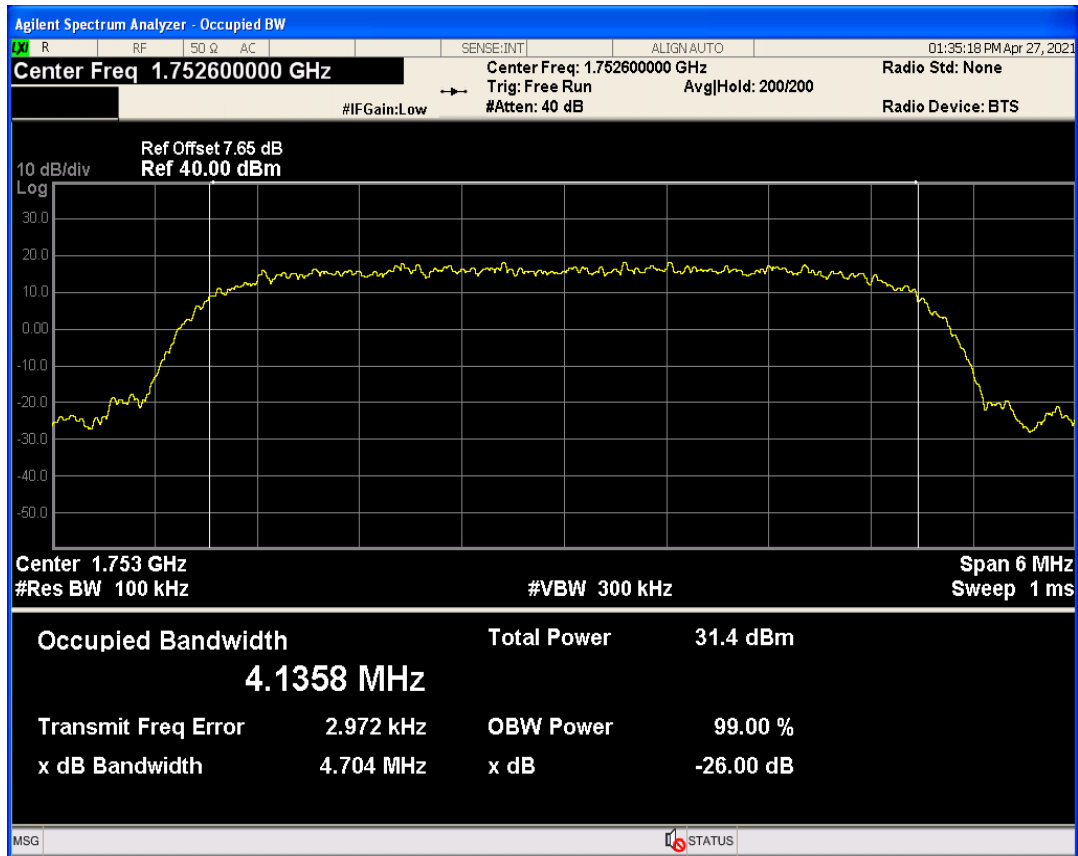
WCDMA Band2 Channel=9400



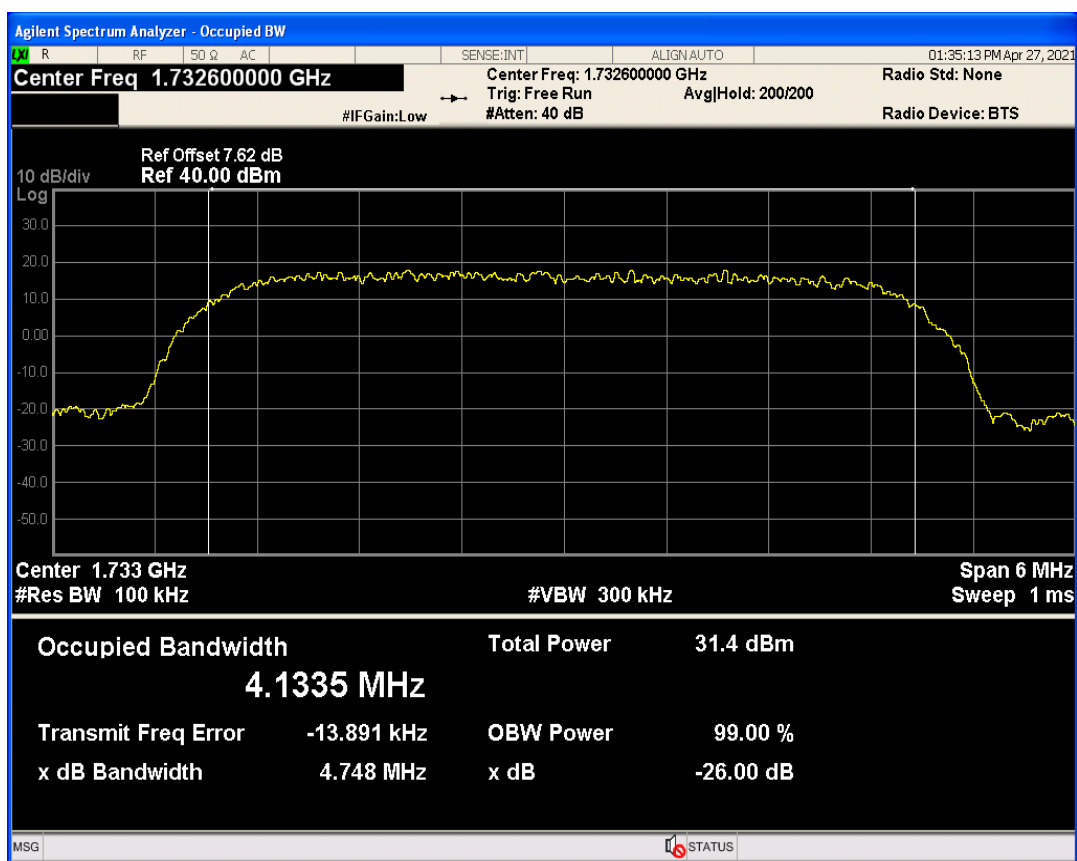
WCDMA Band4 Channel=1312



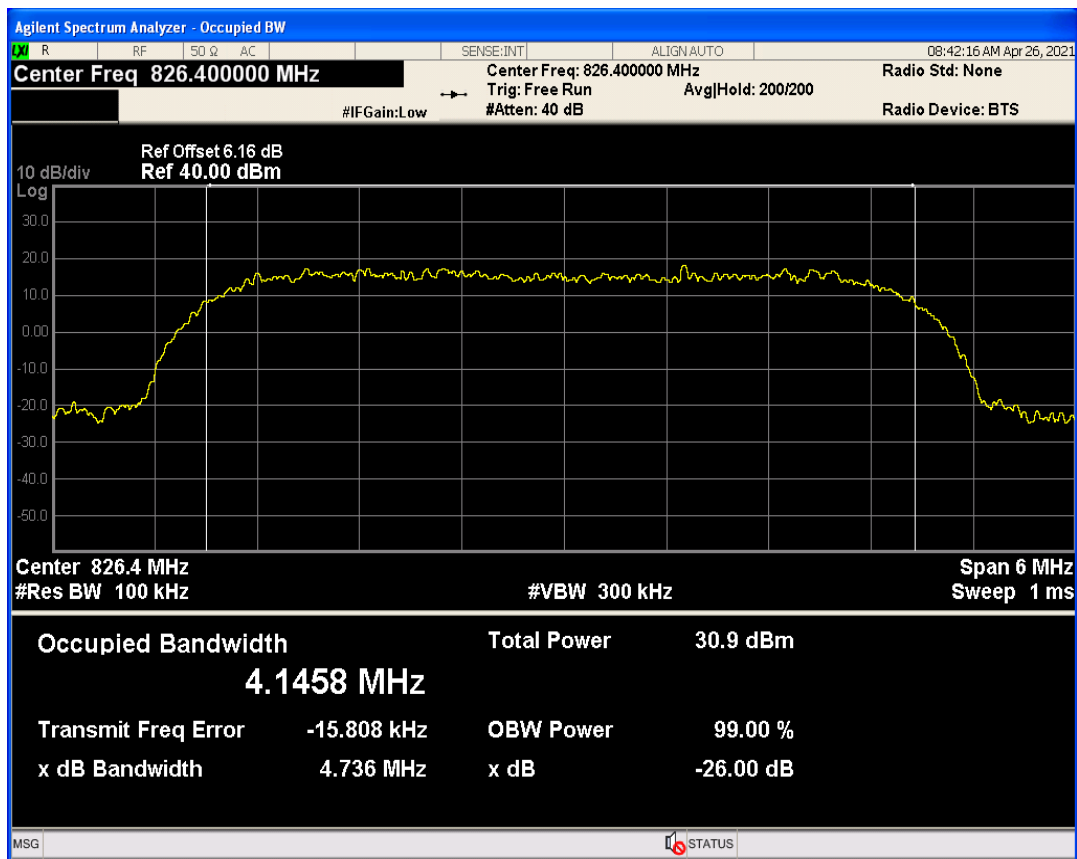
WCDMA Band4 Channel=1513



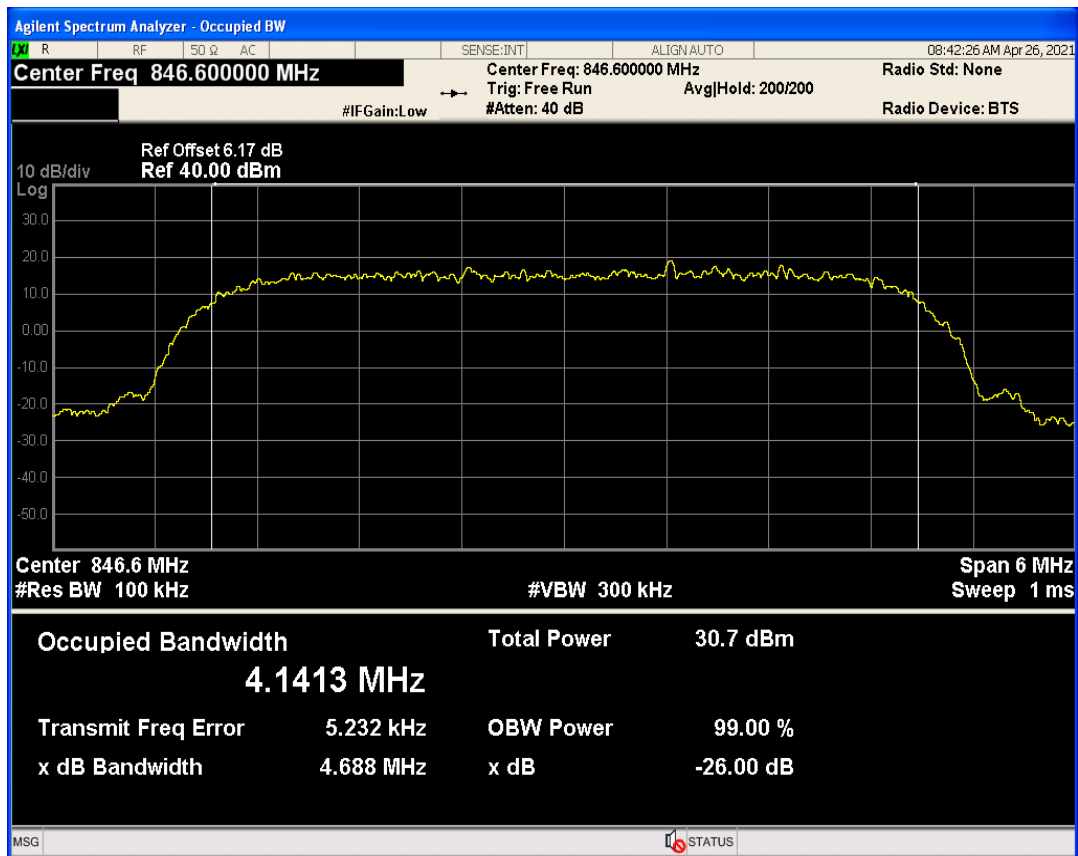
WCDMA Band4 Channel=1413



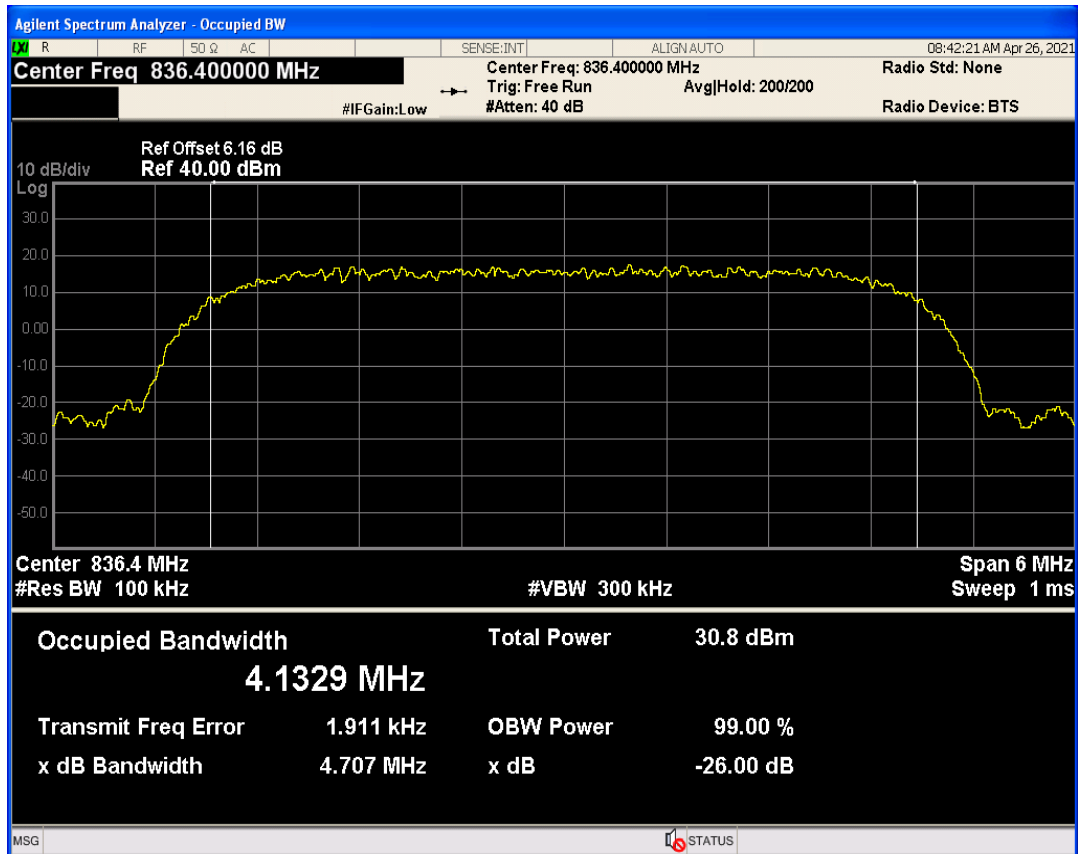
WCDMA Band5 Channel=4132



WCDMA Band5 Channel=4233



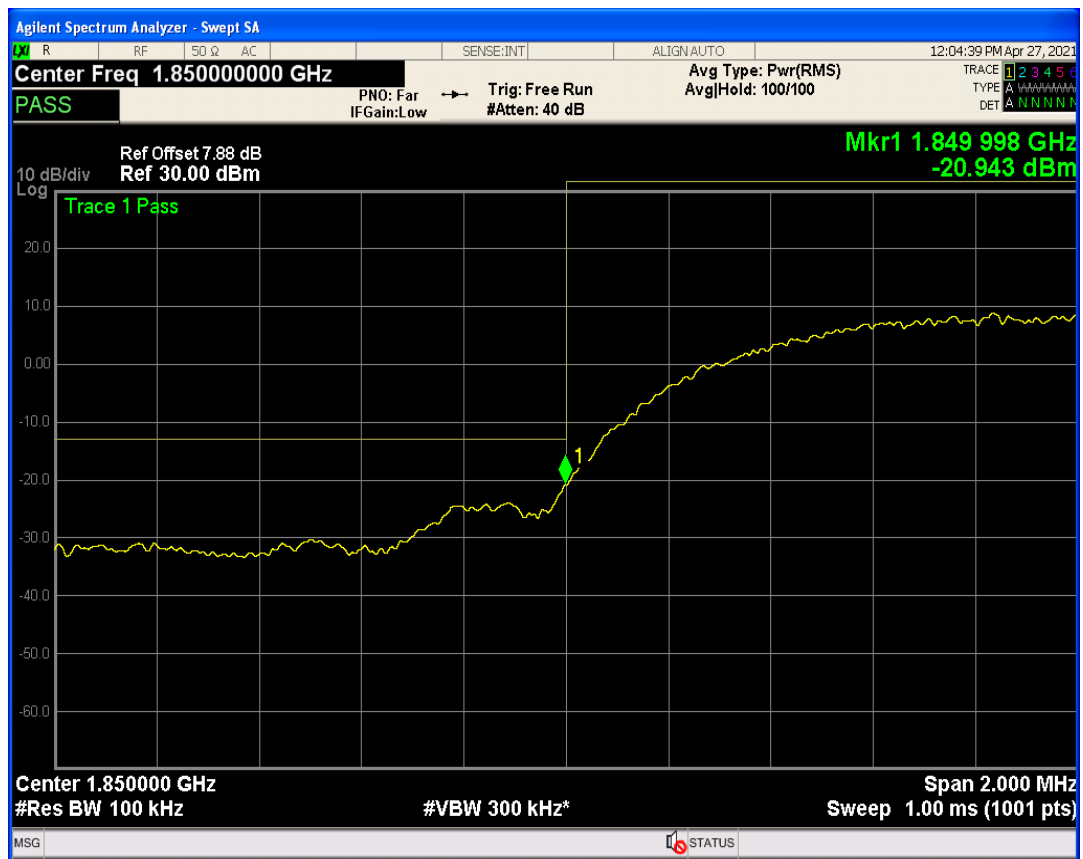
WCDMA Band5 Channel=4182



04 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	1850.00	-20.94	-13	PASS
WCDMA Band2	9538	1907.6	1910.00	-21.98	-13	PASS
WCDMA Band4	1312	1712.4	1710.00	-21.37	-13	PASS
WCDMA Band4	1513	1752.6	1755.00	-20.45	-13	PASS
WCDMA Band5	4132	826.4	824.00	-19.71	-13	PASS
WCDMA Band5	4233	846.6	849.00	-22.18	-13	PASS

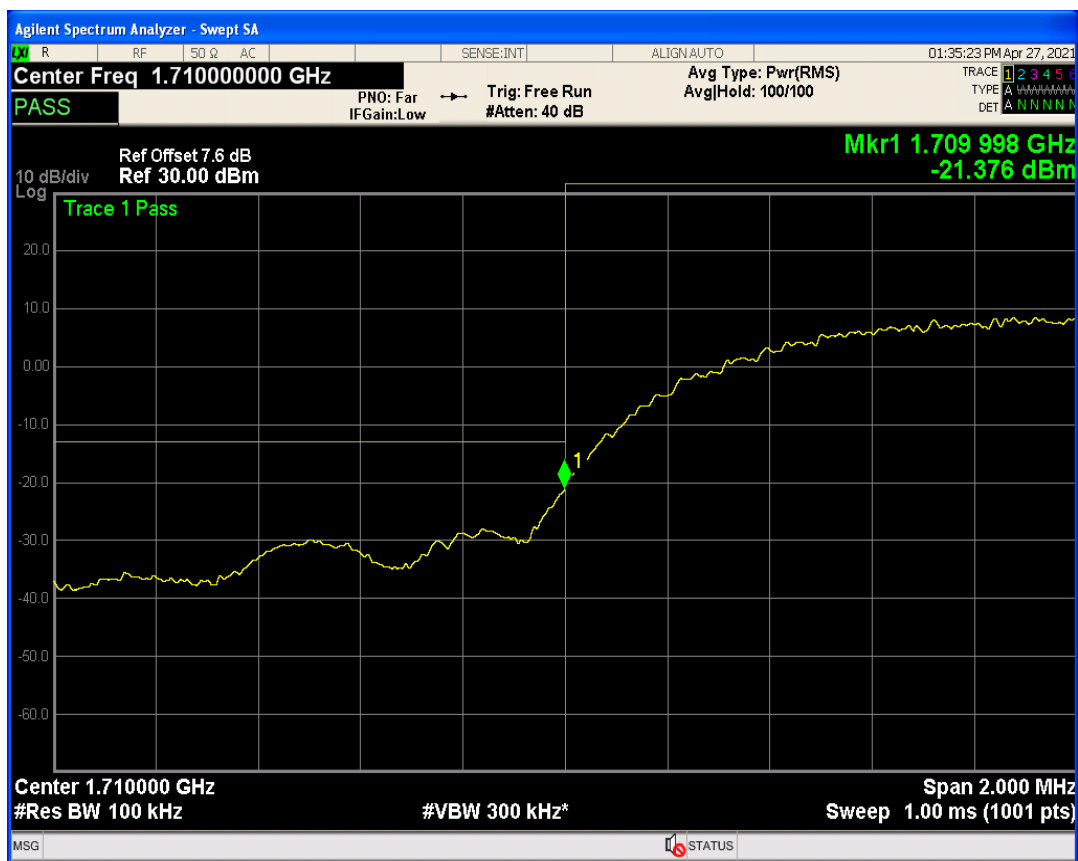
WCDMA Band2 Channel=9262



WCDMA Band2 Channel=9538



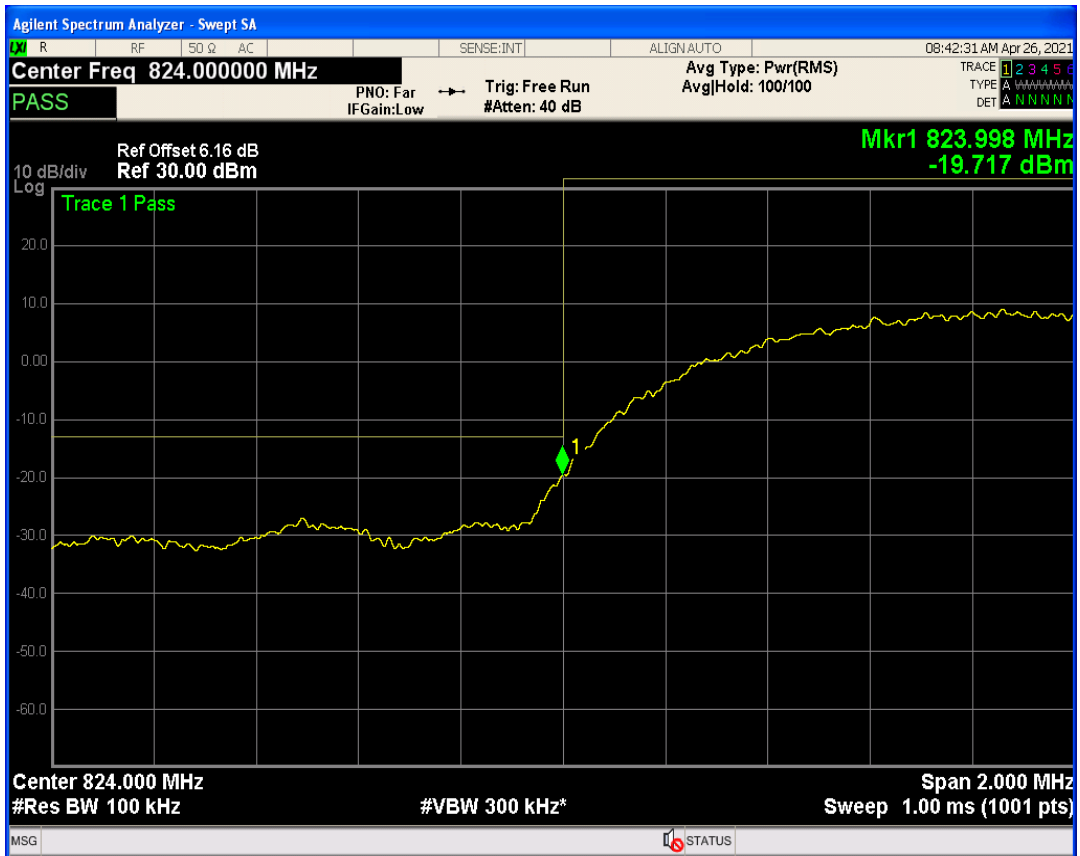
WCDMA Band4 Channel=1312



WCDMA Band4 Channel=1513



WCDMA Band5 Channel=4132



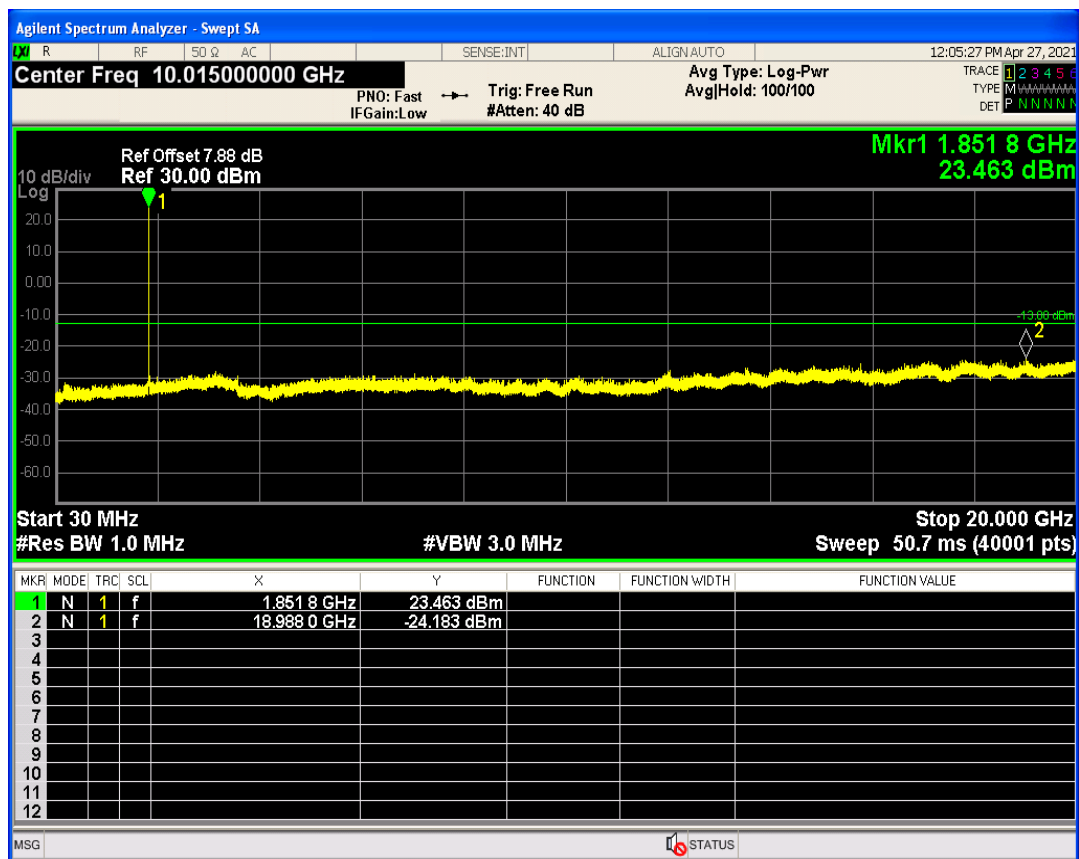
WCDMA Band5 Channel=4233



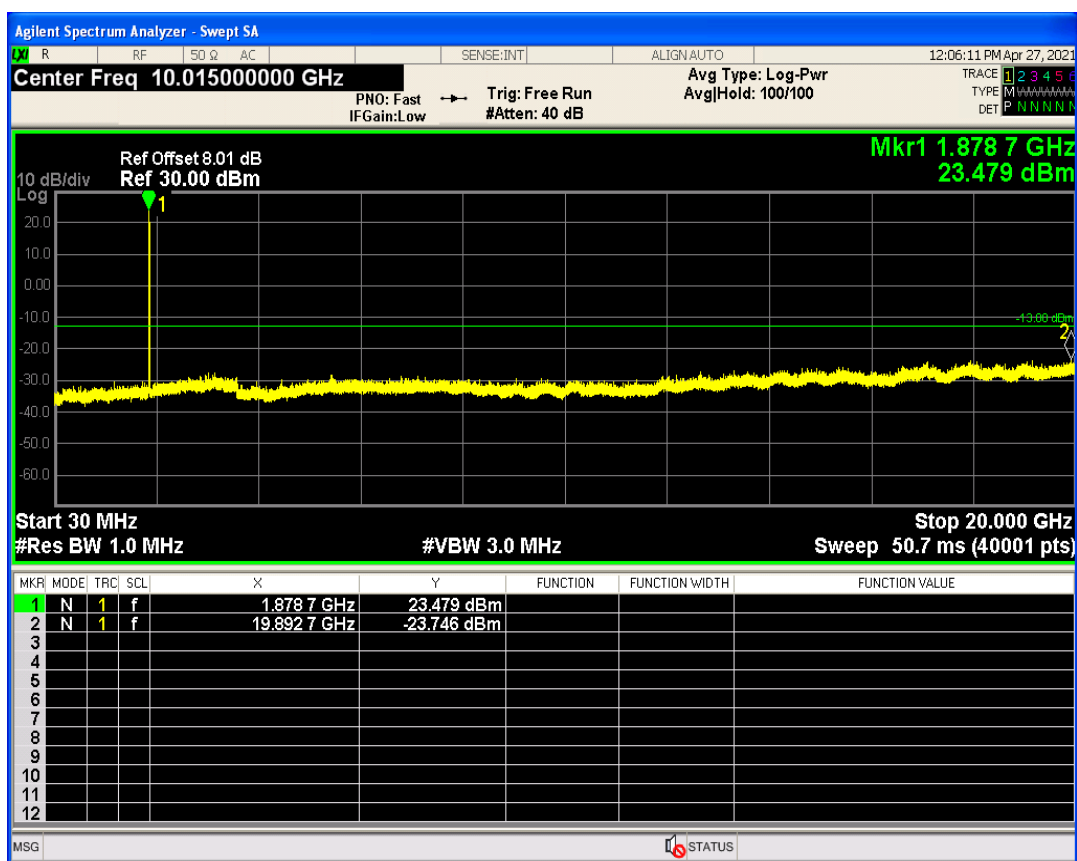
05 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	18988.02	-24.18	-13	PASS
WCDMA Band2	9400	1880	19892.66	-23.74	-13	PASS
WCDMA Band2	9538	1907.6	19549.68	-23.90	-13	PASS
WCDMA Band4	1312	1712.4	19948.58	-23.92	-13	PASS
WCDMA Band4	1413	1732.6	17689.47	-24.43	-13	PASS
WCDMA Band4	1513	1752.6	19040.94	-24.04	-13	PASS
WCDMA Band5	4132	826.4	3290.69	-30.51	-13	PASS
WCDMA Band5	4182	836.4	3176.53	-30.11	-13	PASS
WCDMA Band5	4233	846.6	3149.61	-30.19	-13	PASS

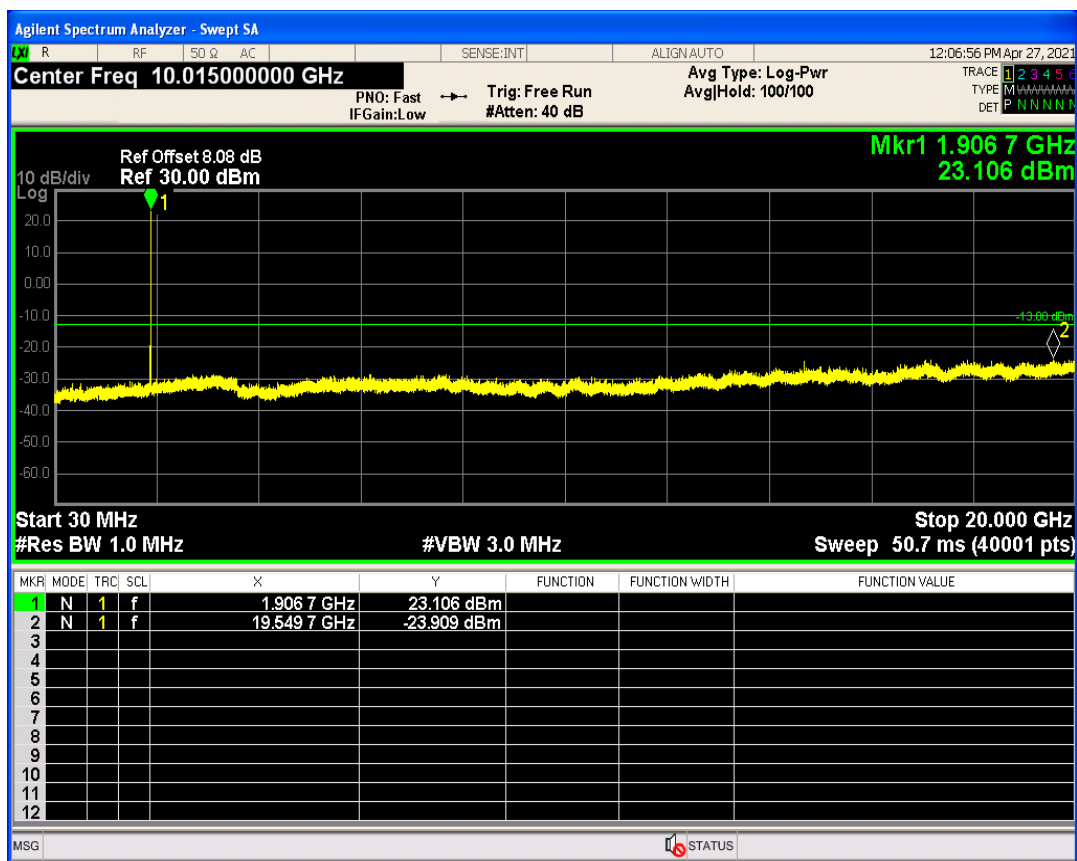
WCDMA Band2 Channel=9262



WCDMA Band2 Channel=9400



WCDMA Band2 Channel=9538



[illegible]

Agilent Spectrum Analyzer - Swept SA

Center Freq 5.01500000 GHz

PNO: Fast IFGain: Low → Trig: Free Run #Atten: 40 dB

Avg Type: Log-Pwr Avg/Hold: 100/100

08:43:25 AM Apr 26, 2021

Ref Offset 6.16 dB
Ref 30.00 dBm

Mkr1 837.32 MHz
23.015 dBm

10 dB/div
Log

Start 30 MHz
#Res BW 1.0 MHz

Stop 10.000 GHz
Sweep 18.7 ms (40001 pts)

#VBW 3.0 MHz

MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	837.32 MHz	23.015 dBm			
2	N	1	f	3.176 63 GHz	-30.115 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

MSG

STATUS

06 Conducted output power

Band	Channel	Frequency (MHz)	Power (dBm)
HSDPA Band2 Subtest1	9262	1852.4	21.92
HSDPA Band2 Subtest2	9262	1852.4	22.01
HSDPA Band2 Subtest3	9262	1852.4	21.19
HSDPA Band2 Subtest4	9262	1852.4	20.86
HSDPA Band2 Subtest1	9400	1880	22.14
HSDPA Band2 Subtest2	9400	1880	22.05
HSDPA Band2 Subtest3	9400	1880	21.18
HSDPA Band2 Subtest4	9400	1880	21.02
HSDPA Band2 Subtest1	9538	1907.6	22.01
HSDPA Band2 Subtest2	9538	1907.6	21.77
HSDPA Band2 Subtest3	9538	1907.6	20.82
HSDPA Band2 Subtest4	9538	1907.6	20.87
HSDPA Band4 Subtest1	1312	1712.4	22.98
HSDPA Band4 Subtest2	1312	1712.4	22.64
HSDPA Band4 Subtest3	1312	1712.4	21.54
HSDPA Band4 Subtest4	1312	1712.4	21.35
HSDPA Band4 Subtest1	1413	1732.6	22.89
HSDPA Band4 Subtest2	1413	1732.6	22.82
HSDPA Band4 Subtest3	1413	1732.6	21.75
HSDPA Band4 Subtest4	1413	1732.6	21.45
HSDPA Band4 Subtest1	1513	1752.6	23.26
HSDPA Band4 Subtest2	1513	1752.6	22.90
HSDPA Band4 Subtest3	1513	1752.6	21.92
HSDPA Band4 Subtest4	1513	1752.6	21.74
HSDPA Band5 Subtest1	4132	826.4	22.12
HSDPA Band5 Subtest2	4132	826.4	22.19
HSDPA Band5 Subtest3	4132	826.4	21.66
HSDPA Band5 Subtest4	4132	826.4	21.16
HSDPA Band5 Subtest1	4182	836.4	22.44
HSDPA Band5 Subtest2	4182	836.4	22.37
HSDPA Band5 Subtest3	4182	836.4	21.25
HSDPA Band5 Subtest4	4182	836.4	21.15
HSDPA Band5 Subtest1	4233	846.6	22.55
HSDPA Band5 Subtest2	4233	846.6	22.32
HSDPA Band5 Subtest3	4233	846.6	21.74
HSDPA Band5 Subtest4	4233	846.6	21.34
GPRS1900 1 Slot	512	1850.2	28.76
GPRS1900 1 Slot	661	1880	29.55
GPRS1900 1 Slot	810	1909.8	29.60
GPRS1900 2 Slot	512	1850.2	28.61
GPRS1900 2 Slot	661	1880	29.44
GPRS1900 2 Slot	810	1909.8	29.48

GPRS1900 3 Slot	512	1850.2	28.49
GPRS1900 3 Slot	661	1880	29.29
GPRS1900 3 Slot	810	1909.8	29.39
GPRS1900 4 Slot	512	1850.2	28.26
GPRS1900 4 Slot	661	1880	29.06
GPRS1900 4 Slot	810	1909.8	29.19
GPRS850 1 Slot	128	824.2	30.79
GPRS850 1 Slot	189	836.4	31.56
GPRS850 1 Slot	251	848.8	31.45
GPRS850 2 Slot	128	824.2	30.58
GPRS850 2 Slot	189	836.4	31.38
GPRS850 2 Slot	251	848.8	31.20
GPRS850 3 Slot	128	824.2	28.28
GPRS850 3 Slot	189	836.4	28.62
GPRS850 3 Slot	251	848.8	29.06
GPRS850 4 Slot	128	824.2	26.84
GPRS850 4 Slot	189	836.4	27.55
GPRS850 4 Slot	251	848.8	27.43

07 Conducted output power

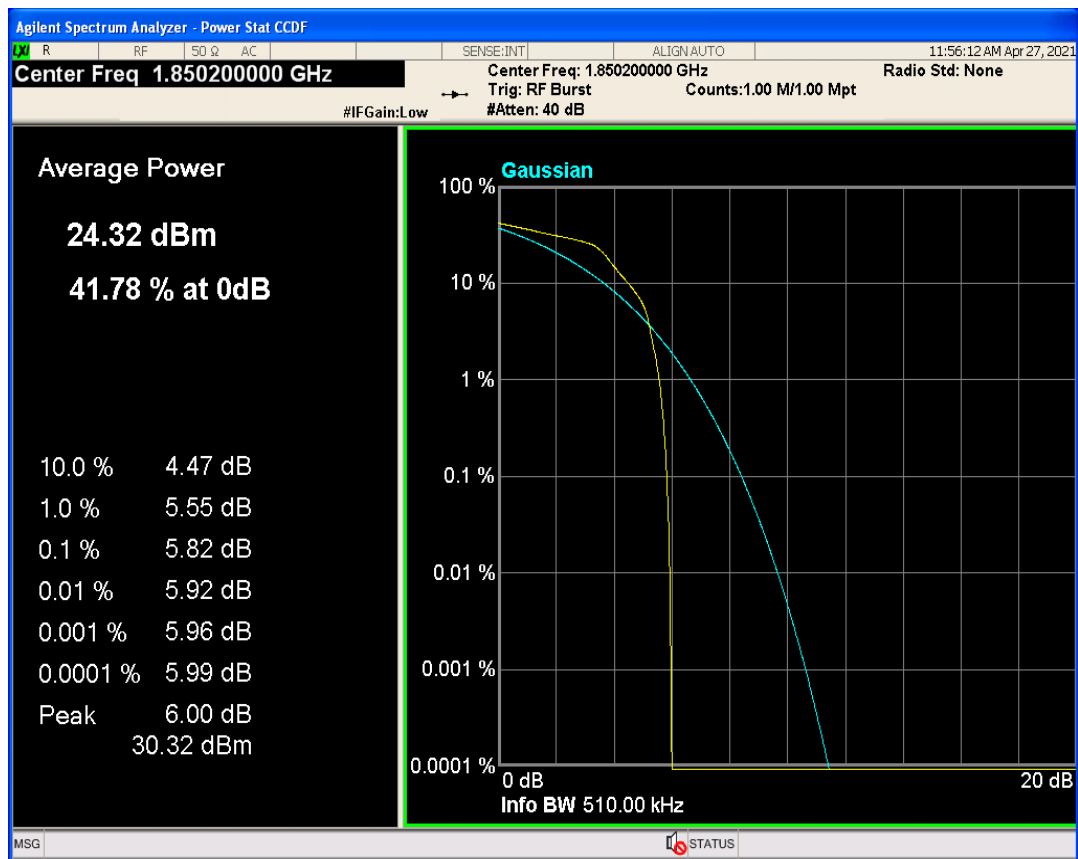
Band	Channel	Frequency (MHz)	Power (dBm)
EGPRS1900 1 Slot	512	1850.2	26.47
EGPRS1900 1 Slot	661	1880	26.68
EGPRS1900 1 Slot	810	1909.8	26.83
EGPRS1900 2 Slot	512	1850.2	25.88
EGPRS1900 2 Slot	661	1880	26.40
EGPRS1900 2 Slot	810	1909.8	26.35
EGPRS1900 3 Slot	512	1850.2	25.74
EGPRS1900 3 Slot	661	1880	26.10
EGPRS1900 3 Slot	810	1909.8	26.19
EGPRS1900 4 Slot	512	1850.2	26.30
EGPRS1900 4 Slot	661	1880	25.81
EGPRS1900 4 Slot	810	1909.8	26.29
EGPRS850 1 Slot	128	824.2	24.97
EGPRS850 1 Slot	189	836.4	25.88
EGPRS850 1 Slot	251	848.8	25.53
EGPRS850 2 Slot	128	824.2	25.19
EGPRS850 2 Slot	189	836.4	25.14
EGPRS850 2 Slot	251	848.8	25.21
EGPRS850 3 Slot	128	824.2	24.87
EGPRS850 3 Slot	189	836.4	25.16
EGPRS850 3 Slot	251	848.8	24.77
EGPRS850 4 Slot	128	824.2	24.88
EGPRS850 4 Slot	189	836.4	24.88
EGPRS850 4 Slot	251	848.8	24.90
HSUPA Band2 Subtest1	9262	1852.4	21.30
HSUPA Band2 Subtest2	9262	1852.4	22.08
HSUPA Band2 Subtest3	9262	1852.4	21.82
HSUPA Band2 Subtest4	9262	1852.4	22.23
HSUPA Band2 Subtest5	9262	1852.4	21.55
HSUPA Band2 Subtest1	9400	1880	21.42
HSUPA Band2 Subtest2	9400	1880	22.15
HSUPA Band2 Subtest3	9400	1880	21.57
HSUPA Band2 Subtest4	9400	1880	22.23
HSUPA Band2 Subtest5	9400	1880	21.47
HSUPA Band2 Subtest1	9538	1907.6	21.21
HSUPA Band2 Subtest2	9538	1907.6	21.96
HSUPA Band2 Subtest3	9538	1907.6	21.39
HSUPA Band2 Subtest4	9538	1907.6	22.01
HSUPA Band2 Subtest5	9538	1907.6	21.27
HSUPA Band4 Subtest1	1312	1712.4	22.23
HSUPA Band4 Subtest2	1312	1712.4	22.77

HSUPA Band4 Subtest3	1312	1712.4	22.35
HSUPA Band4 Subtest4	1312	1712.4	23.06
HSUPA Band4 Subtest5	1312	1712.4	22.27
HSUPA Band4 Subtest1	1413	1732.6	22.17
HSUPA Band4 Subtest2	1413	1732.6	22.74
HSUPA Band4 Subtest3	1413	1732.6	22.12
HSUPA Band4 Subtest4	1413	1732.6	22.94
HSUPA Band4 Subtest5	1413	1732.6	22.14
HSUPA Band4 Subtest1	1513	1752.6	22.58
HSUPA Band4 Subtest2	1513	1752.6	23.19
HSUPA Band4 Subtest3	1513	1752.6	22.54
HSUPA Band4 Subtest4	1513	1752.6	22.91
HSUPA Band4 Subtest5	1513	1752.6	22.36
HSUPA Band5 Subtest1	4132	826.4	21.33
HSUPA Band5 Subtest2	4132	826.4	22.30
HSUPA Band5 Subtest3	4132	826.4	21.82
HSUPA Band5 Subtest4	4132	826.4	22.43
HSUPA Band5 Subtest5	4132	826.4	21.84
HSUPA Band5 Subtest1	4182	836.4	21.81
HSUPA Band5 Subtest2	4182	836.4	22.51
HSUPA Band5 Subtest3	4182	836.4	22.13
HSUPA Band5 Subtest4	4182	836.4	22.65
HSUPA Band5 Subtest5	4182	836.4	21.85
HSUPA Band5 Subtest1	4233	846.6	21.89
HSUPA Band5 Subtest2	4233	846.6	22.58
HSUPA Band5 Subtest3	4233	846.6	22.28
HSUPA Band5 Subtest4	4233	846.6	22.76
HSUPA Band5 Subtest5	4233	846.6	21.91

08 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
EGPRS1900	512	1850.2	5.816428571	13.00	PASS
EGPRS1900	661	1880	5.842366864	13.00	PASS
EGPRS1900	810	1909.8	5.627149533	13.00	PASS
EGPRS850	128	824.2	8.295075758	13.00	PASS
EGPRS850	189	836.4	8.709672131	13.00	PASS
EGPRS850	251	848.8	8.536289308	13.00	PASS

EGPRS1900 Channel=512



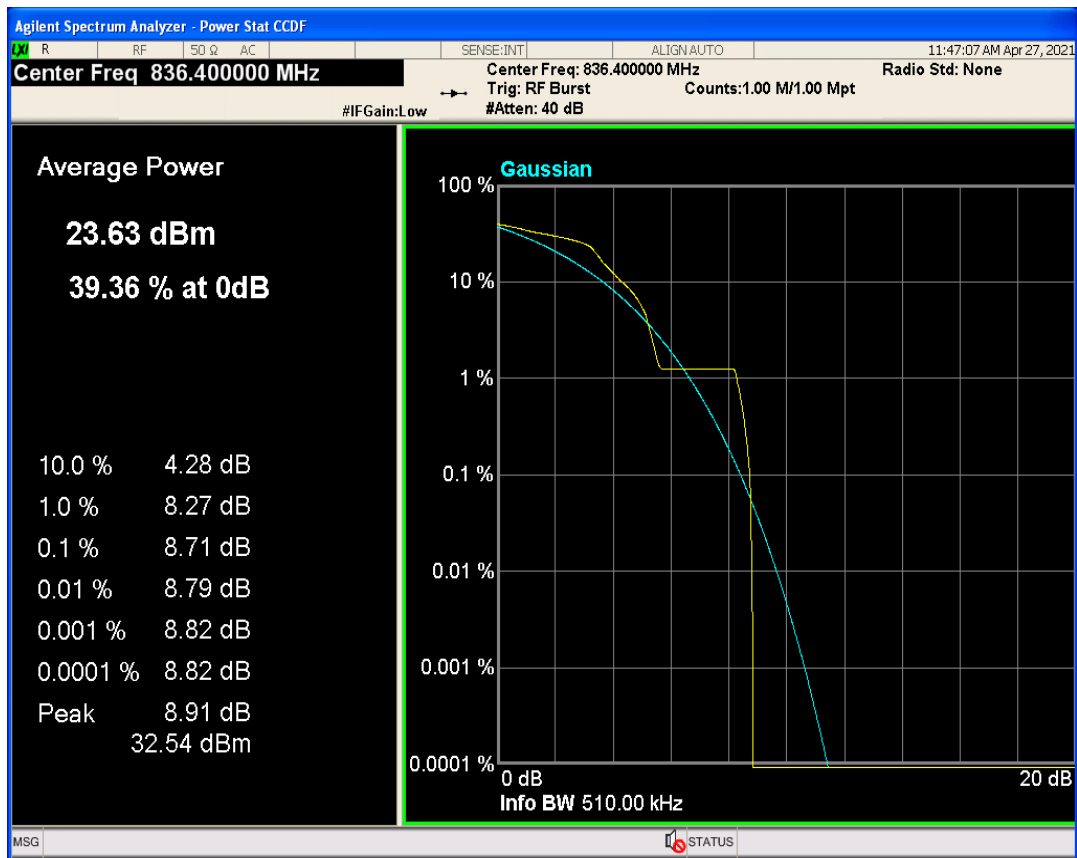
EGPRS1900 Channel=661



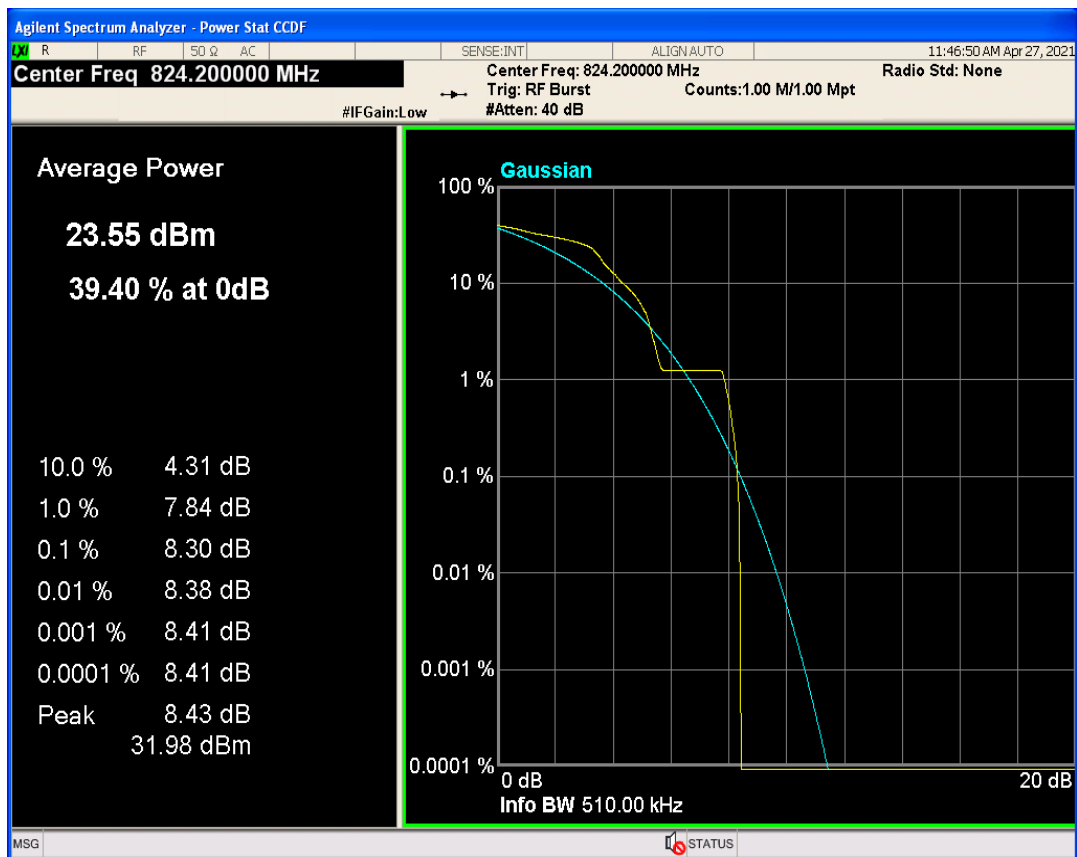
EGPRS1900 Channel=810



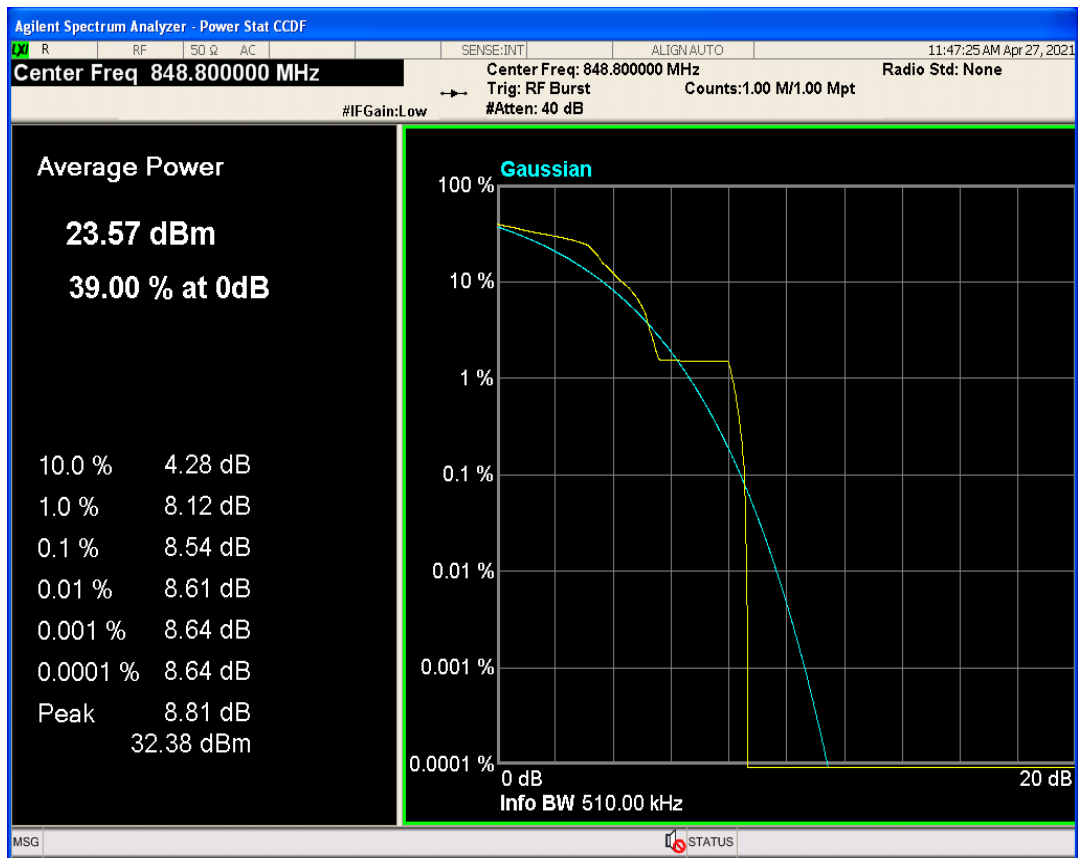
EGPRS850 Channel=189



EGPRS850 Channel=128



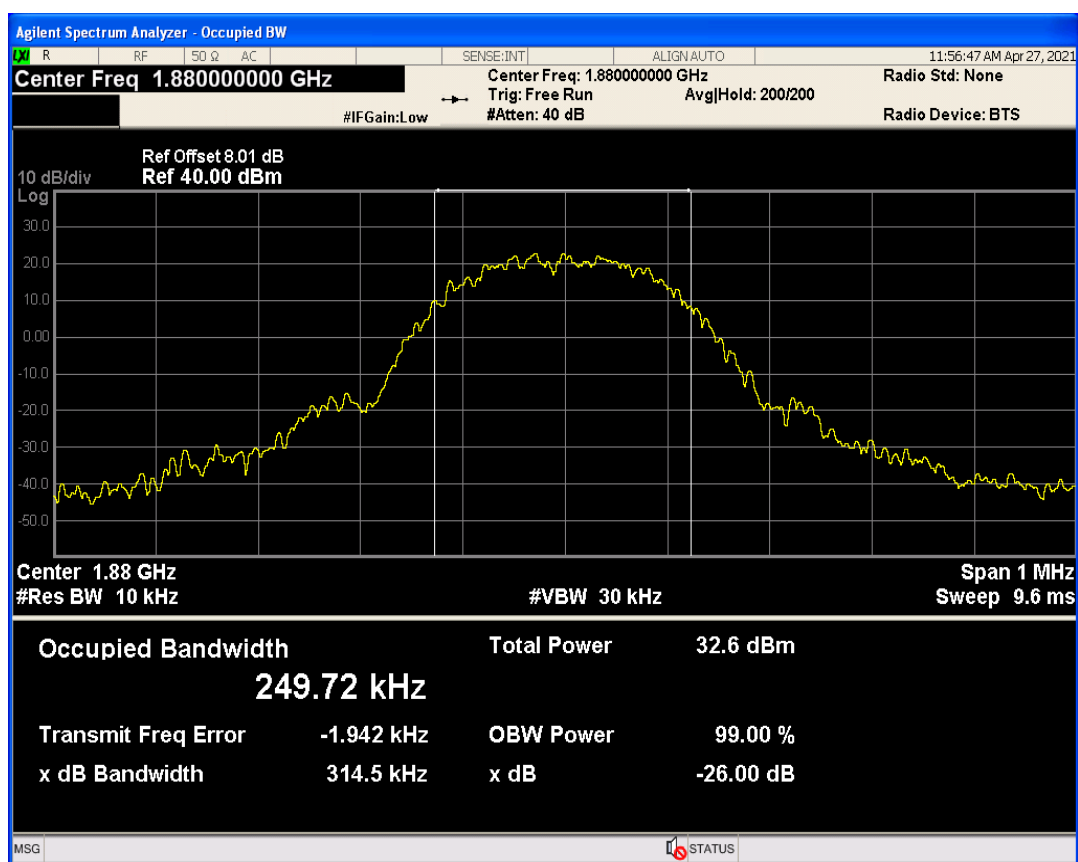
EGPRS850 Channel=251



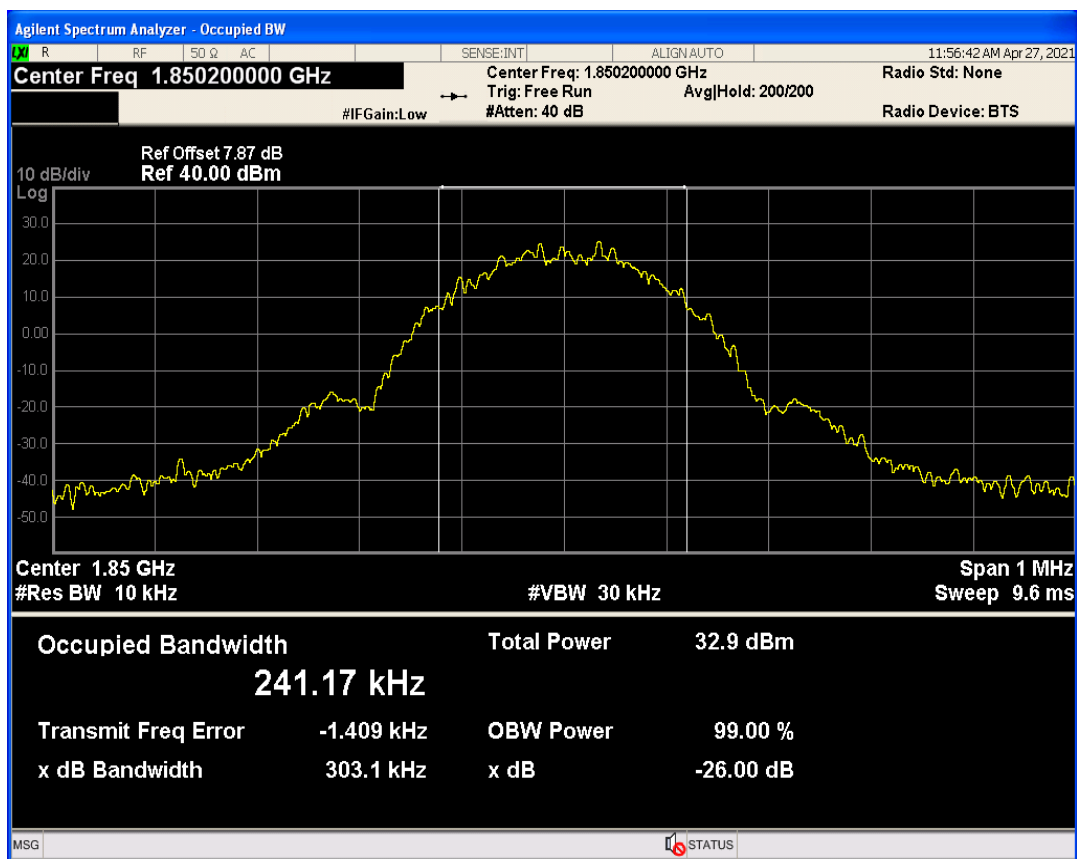
09 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
EGPRS1900	512	1850.2	241.175	303.109	PASS
EGPRS1900	661	1880	249.721	314.518	PASS
EGPRS1900	810	1909.8	245.104	320.005	PASS
EGPRS850	128	824.2	238.869	308.212	PASS
EGPRS850	189	836.4	257.747	318.281	PASS
EGPRS850	251	848.8	251.249	307.785	PASS

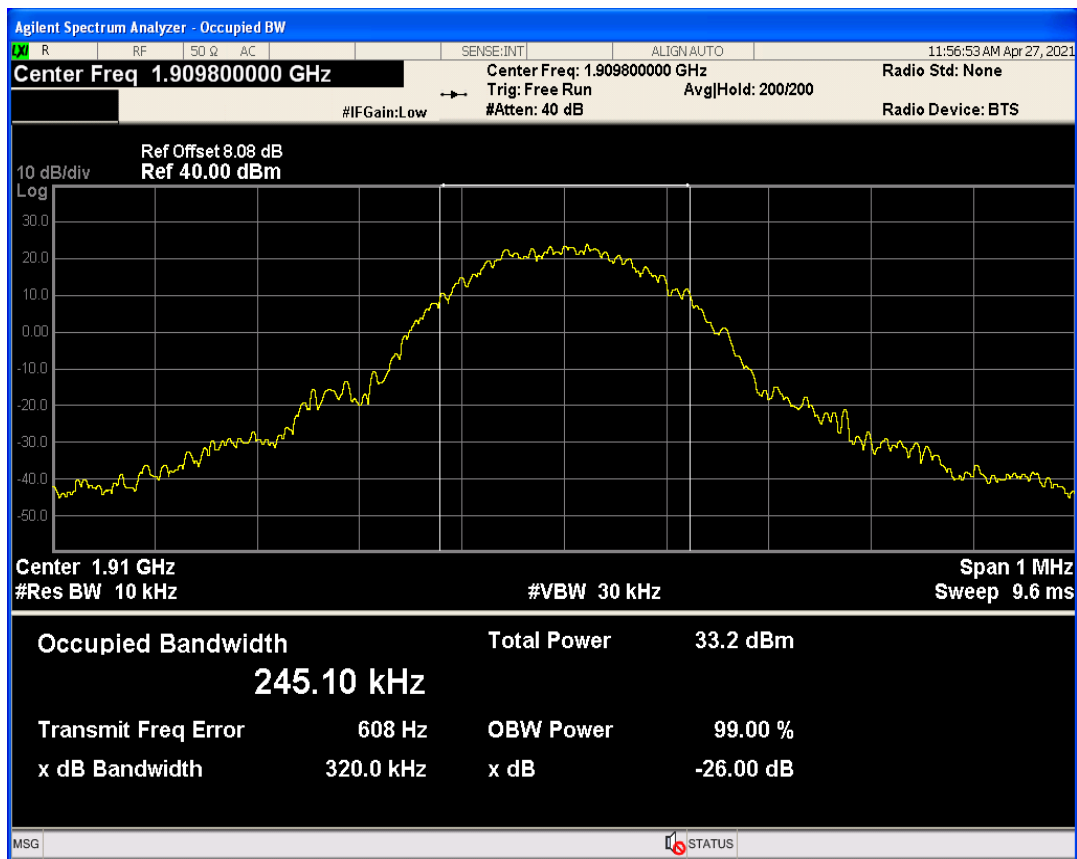
EGPRS1900 Channel=661



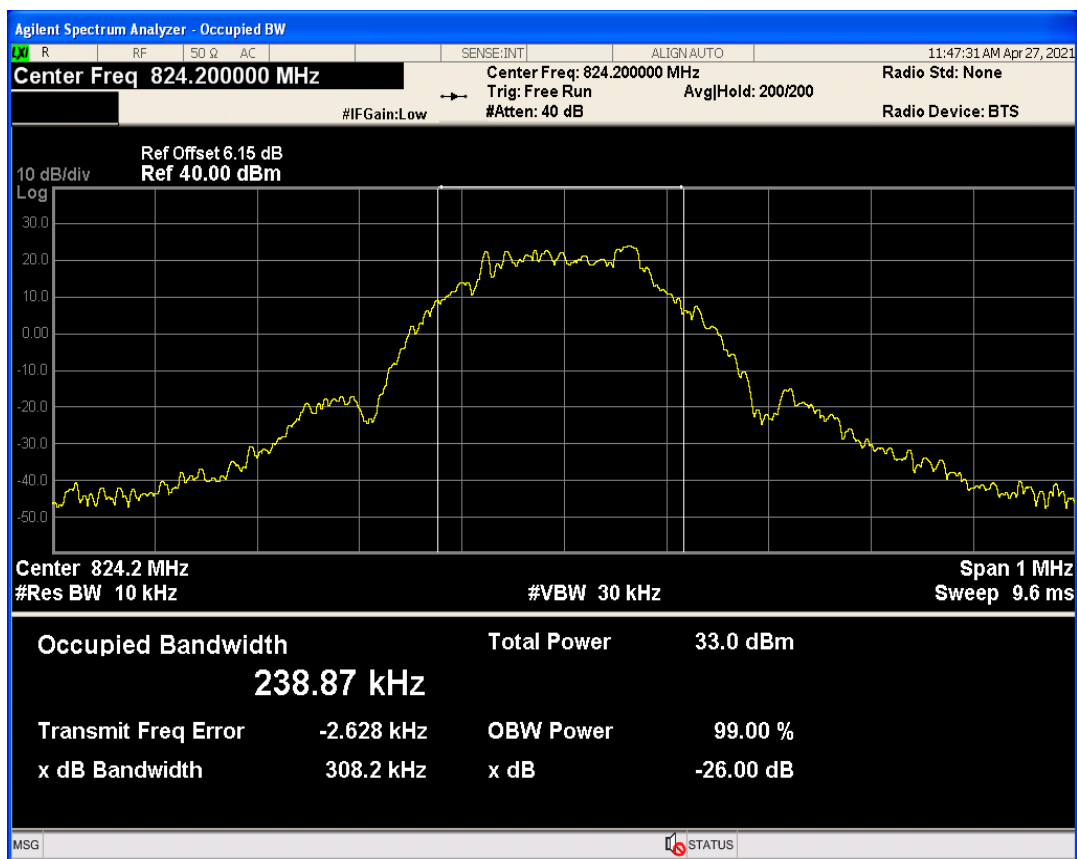
EGPRS1900 Channel=512



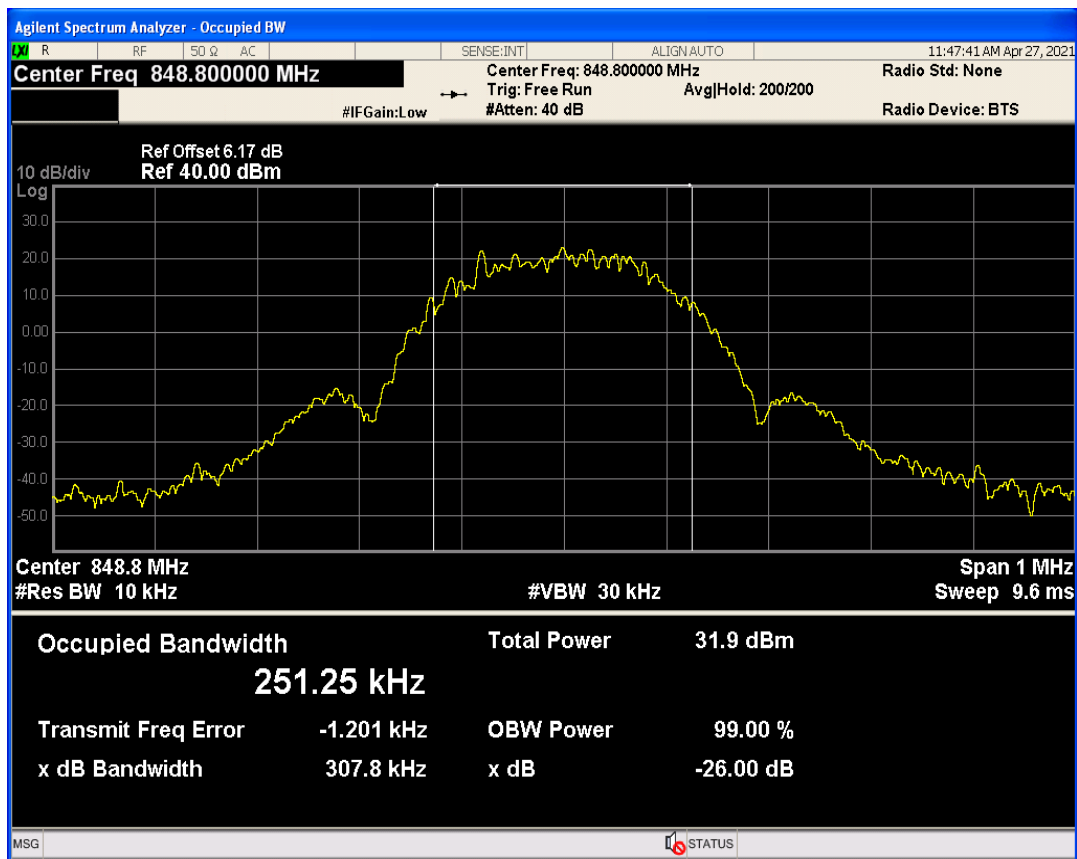
EGPRS1900 Channel=810



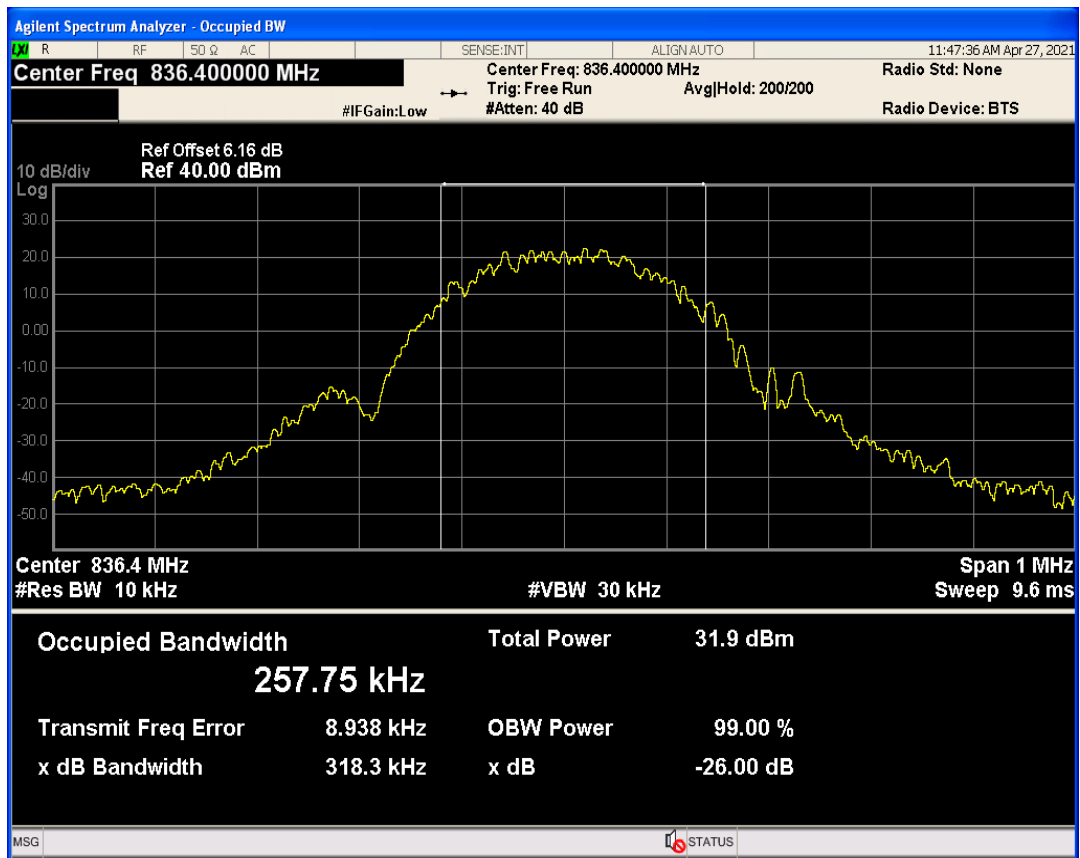
EGPRS850 Channel=128



EGPRS850 Channel=251



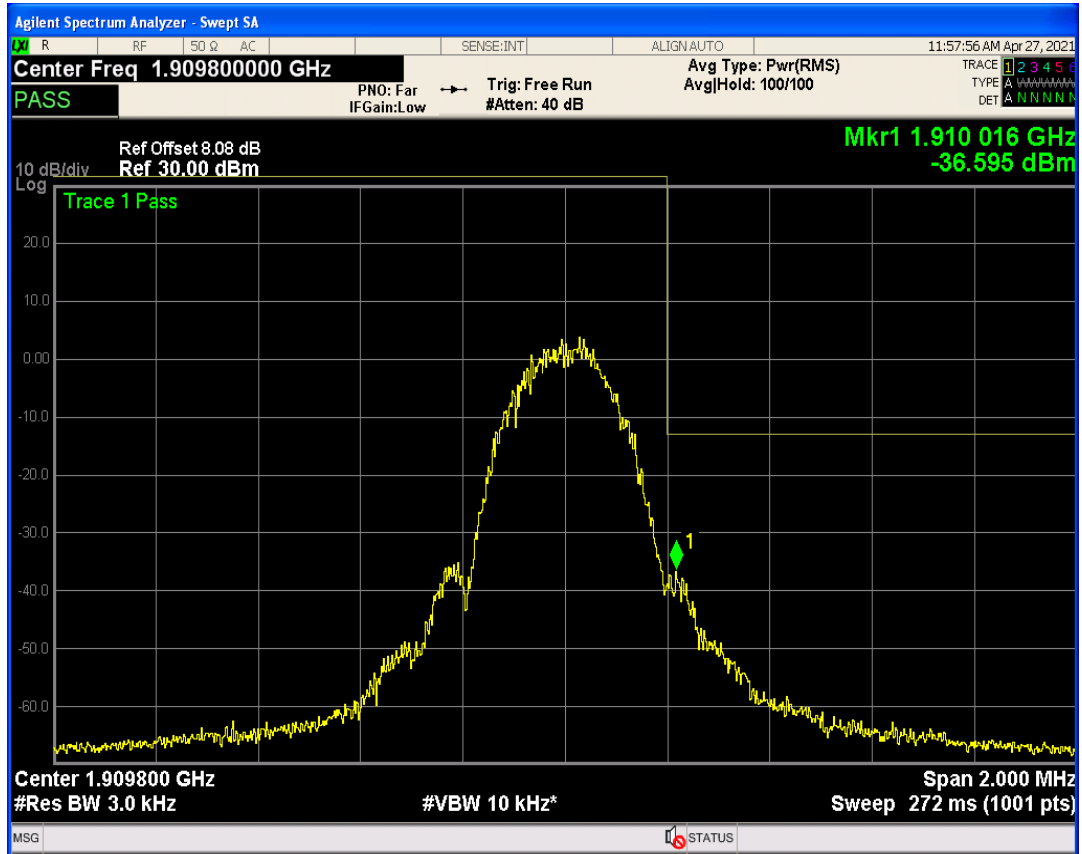
EGPRS850 Channel=189



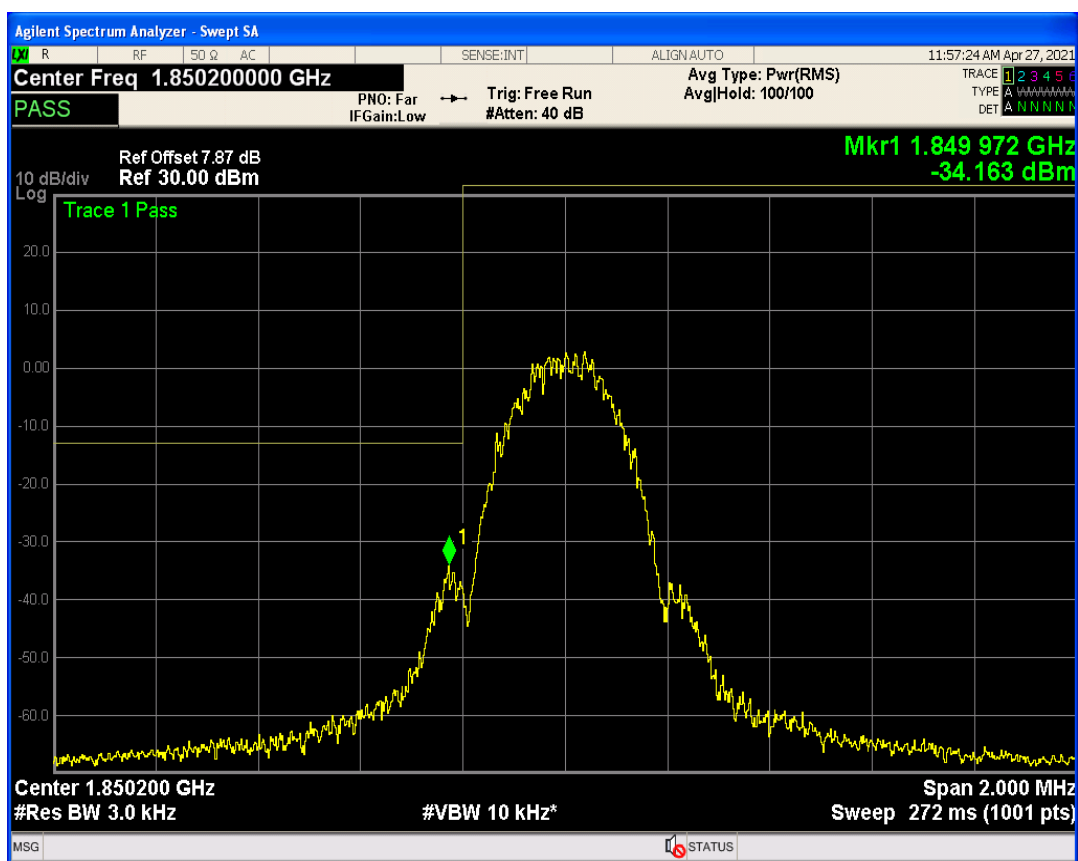
10 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
EGPRS1900	512	1850.2	1849.97	-34.16	-13	PASS
EGPRS1900	810	1909.8	1910.02	-36.59	-13	PASS
EGPRS850	128	824.2	823.99	-35.41	-13	PASS
EGPRS850	251	848.8	849.03	-36.77	-13	PASS

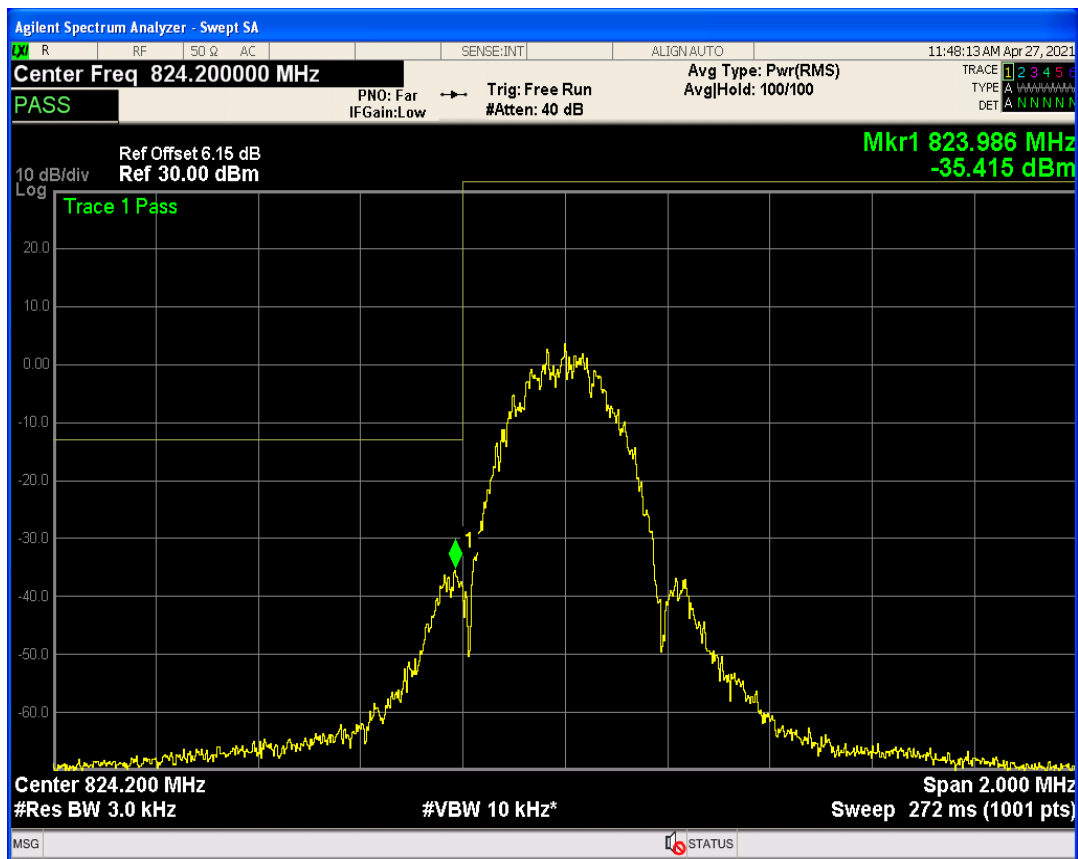
EGPRS1900 Channel=810



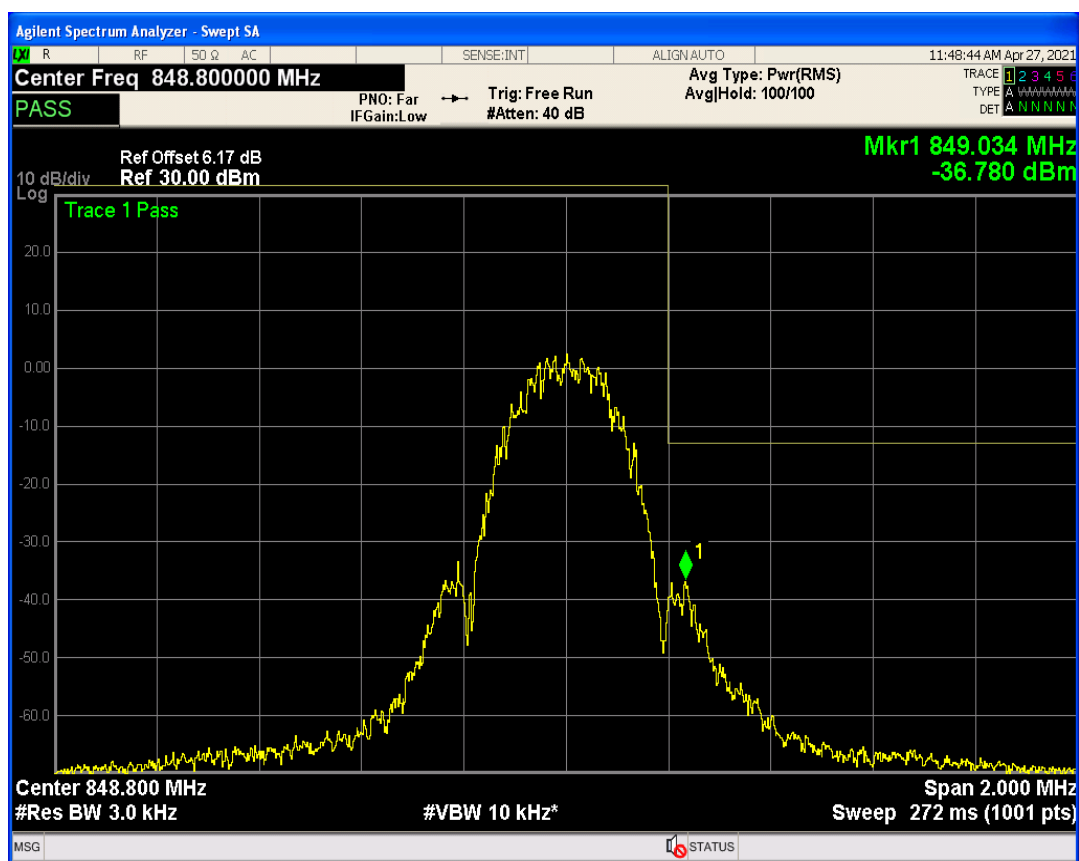
EGPRS1900 Channel=512



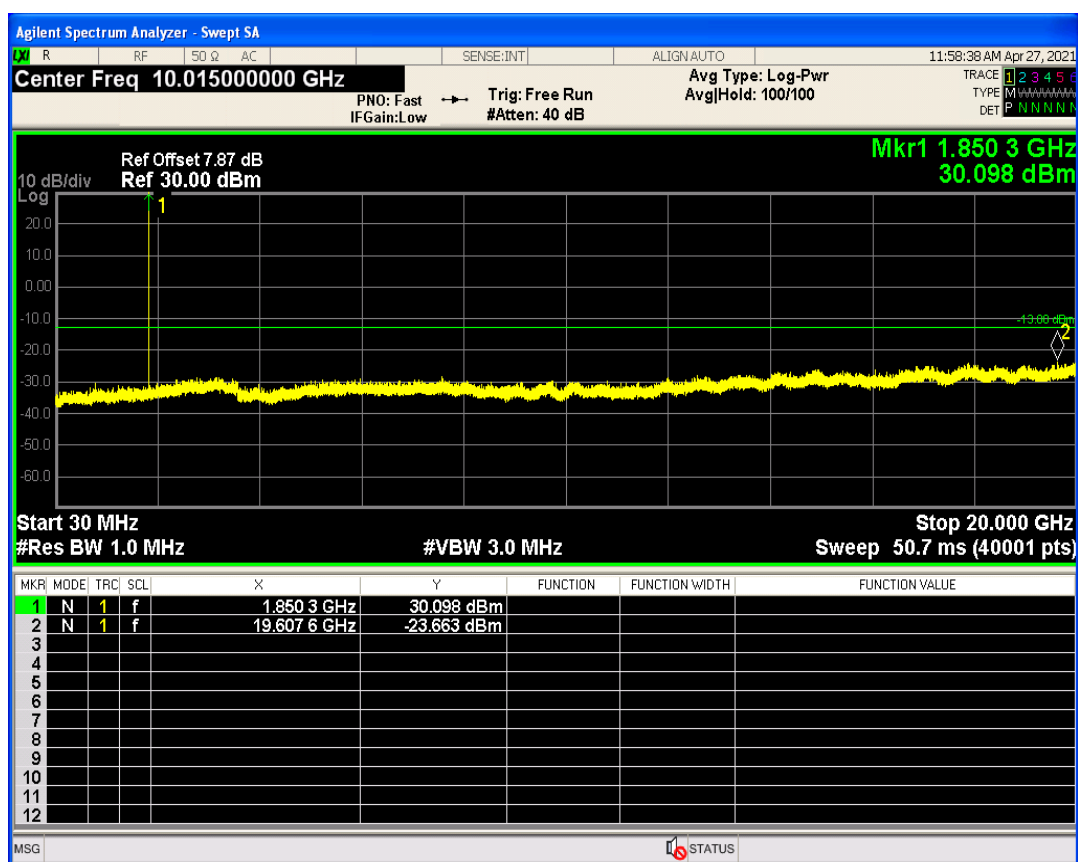
EGPRS850 Channel=128



EGPRS850 Channel=251



Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
EGPRS1900	512	1850.2	19607.59	-23.66	-13	PASS
EGPRS1900	661	1880	19127.31	-23.10	-13	PASS
EGPRS1900	810	1909.8	19904.14	-22.95	-13	PASS
EGPRS850	128	824.2	7596.98	-30.02	-13	PASS
EGPRS850	189	836.4	3149.61	-29.29	-13	PASS
EGPRS850	251	848.8	3280.97	-30.23	-13	PASS



Agilent Spectrum Analyzer - Swept SA

Center Freq 10.01500000 GHz

PNO: Fast IFGain: Low Trig: Free Run #Atten: 40 dB

Avg Type: Log-Pwr Avg/Hold: 100/100

11:59:20 AM Apr 27, 2021

Ref Offset 8.01 dB Ref 30.00 dBm

Mkr1 1.880 2 GHz 30.344 dBm

10 dB/div Log

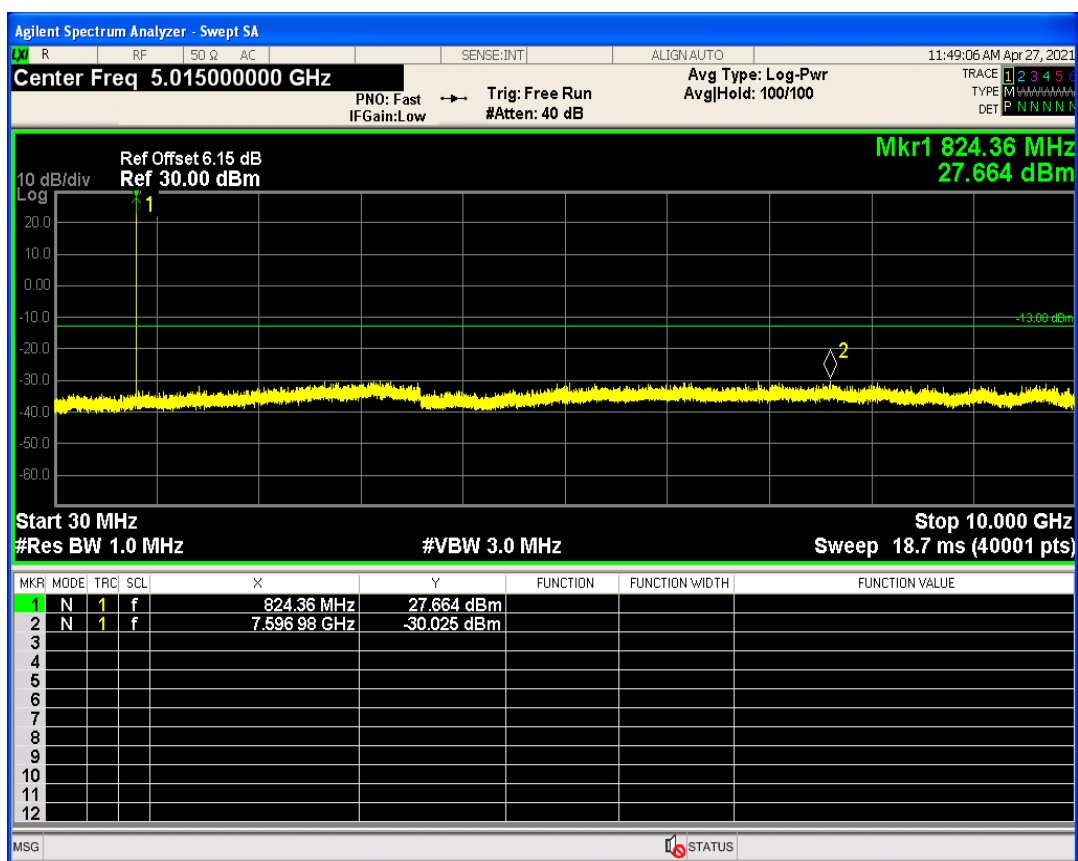
Start 30 MHz #Res BW 1.0 MHz

Stop 20.000 GHz #VBW 3.0 MHz Sweep 50.7 ms (40001 pts)

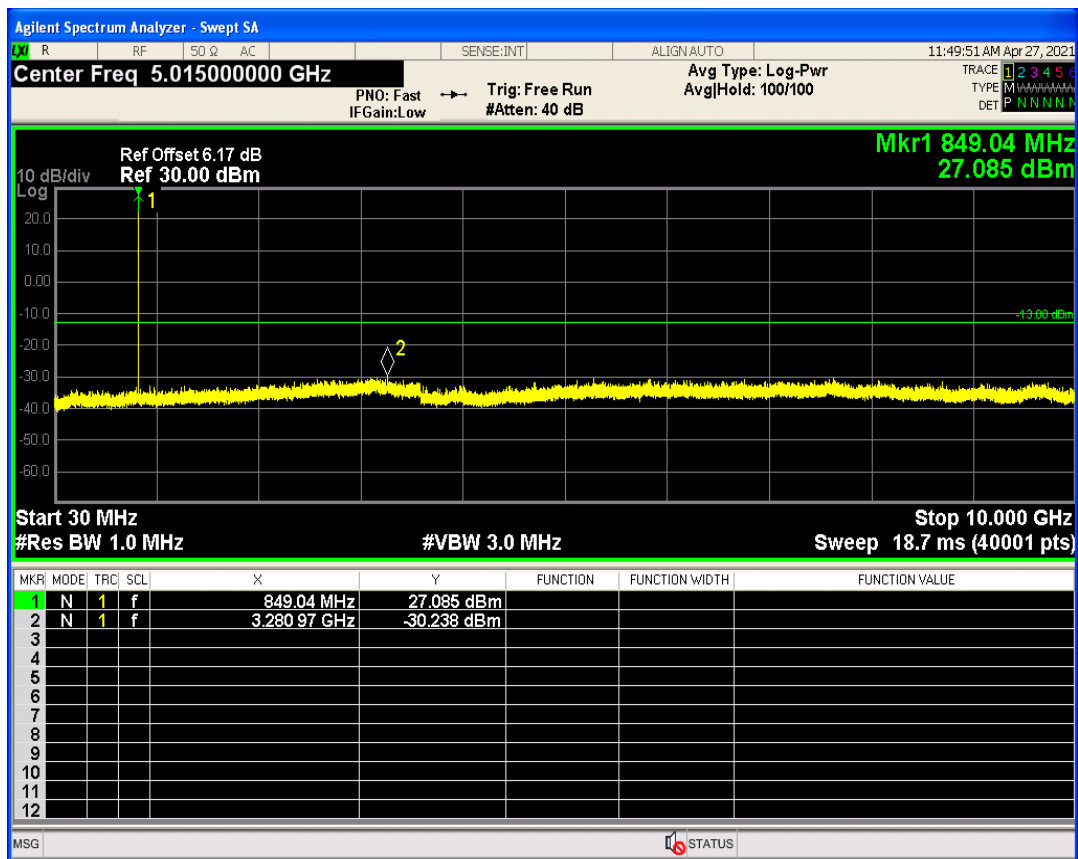
MKR	MODE	TRC	SCL	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.880 2 GHz	30.344 dBm			
2	N	1	f	19.127 3 GHz	-23.109 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

MSG STATUS

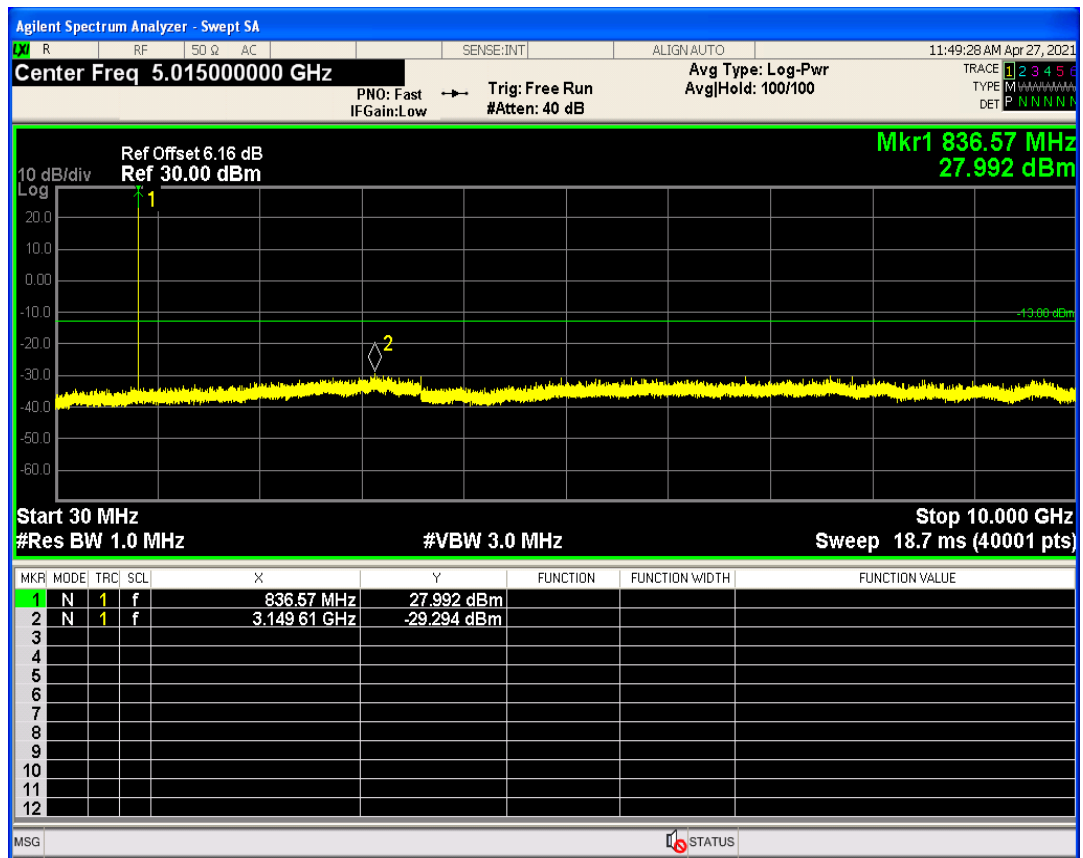
EGPRS850 Channel=128



EGPRS850 Channel=251



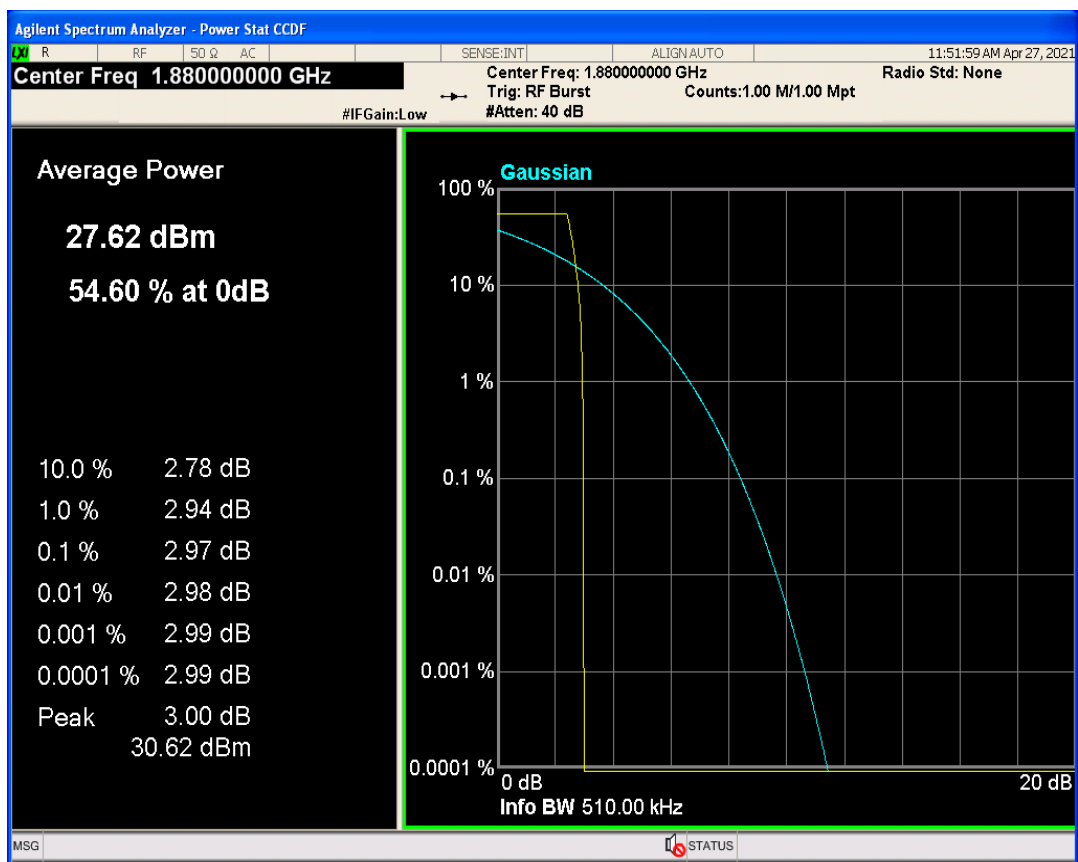
EGPRS850 Channel=189



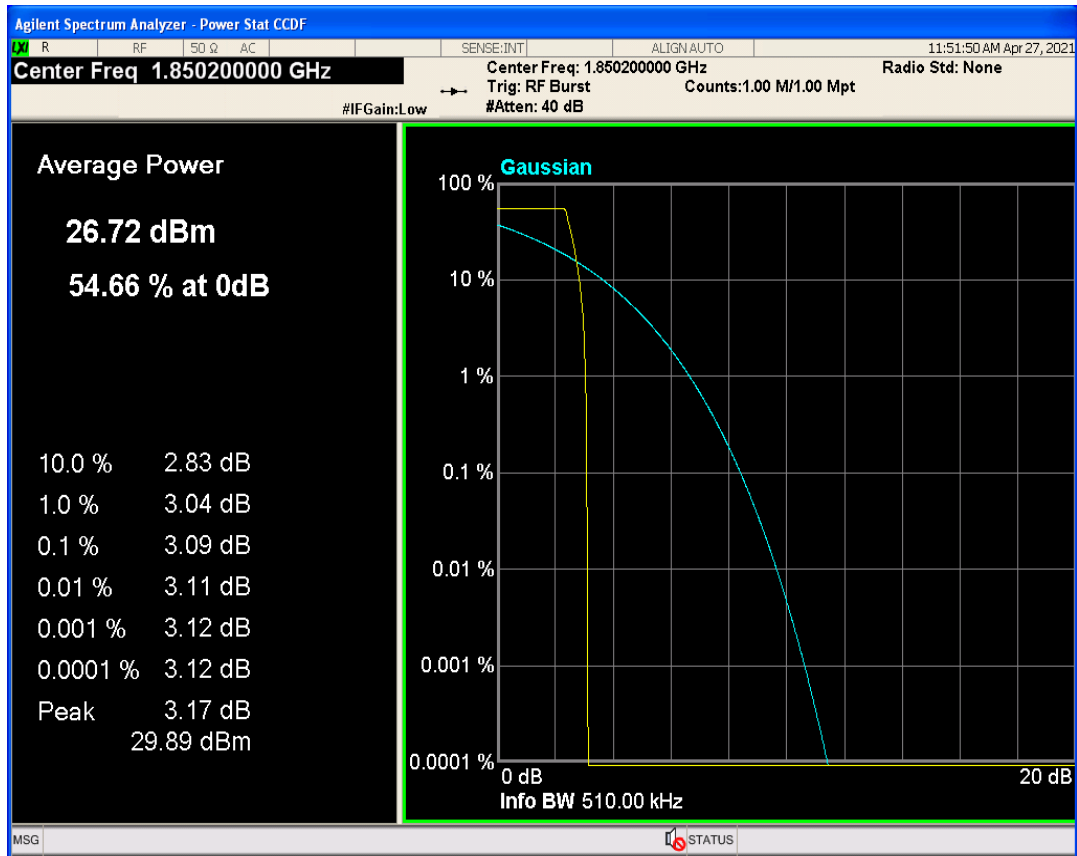
12 Peak-to-Average Ratio

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
GPRS1900	512	1850.2	3.086334702	13.00	PASS
GPRS1900	661	1880	2.965945471	13.00	PASS
GPRS1900	810	1909.8	2.910902349	13.00	PASS
GPRS850	128	824.2	3.16228385	13.00	PASS
GPRS850	189	836.4	2.974847645	13.00	PASS
GPRS850	251	848.8	2.99515942	13.00	PASS

GPRS1900 Channel=661



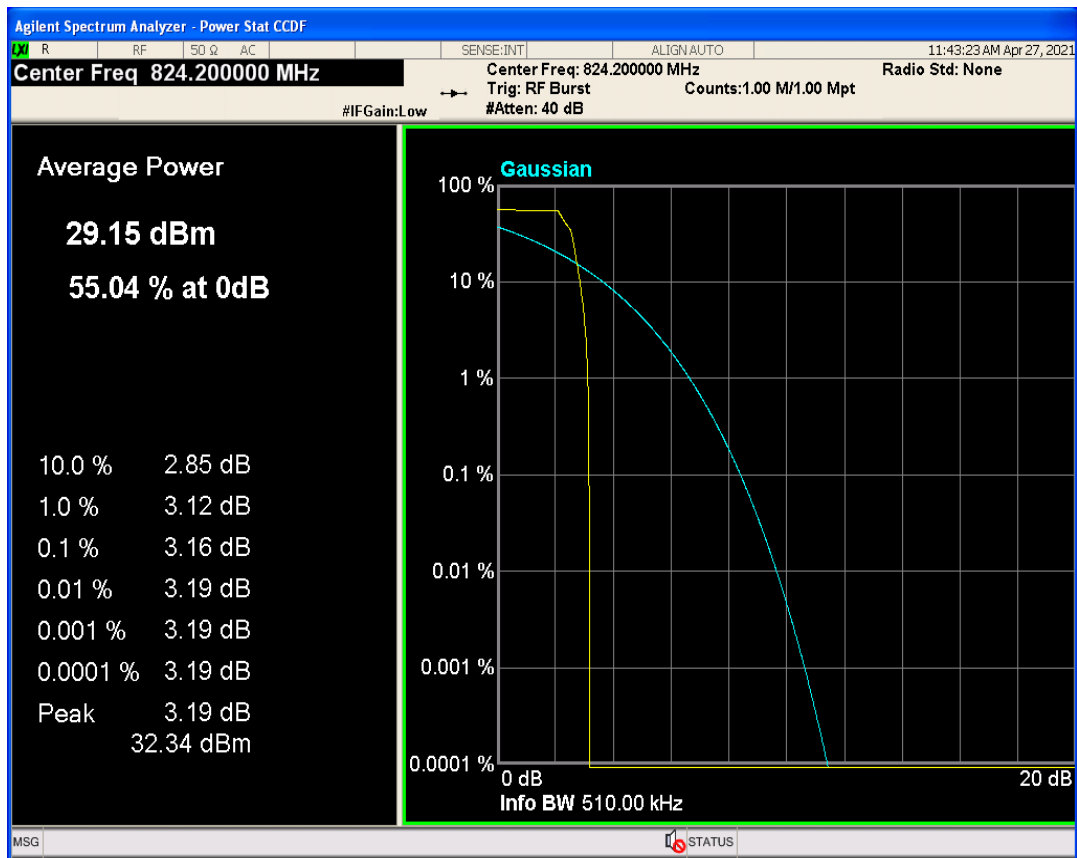
GPRS1900 Channel=512



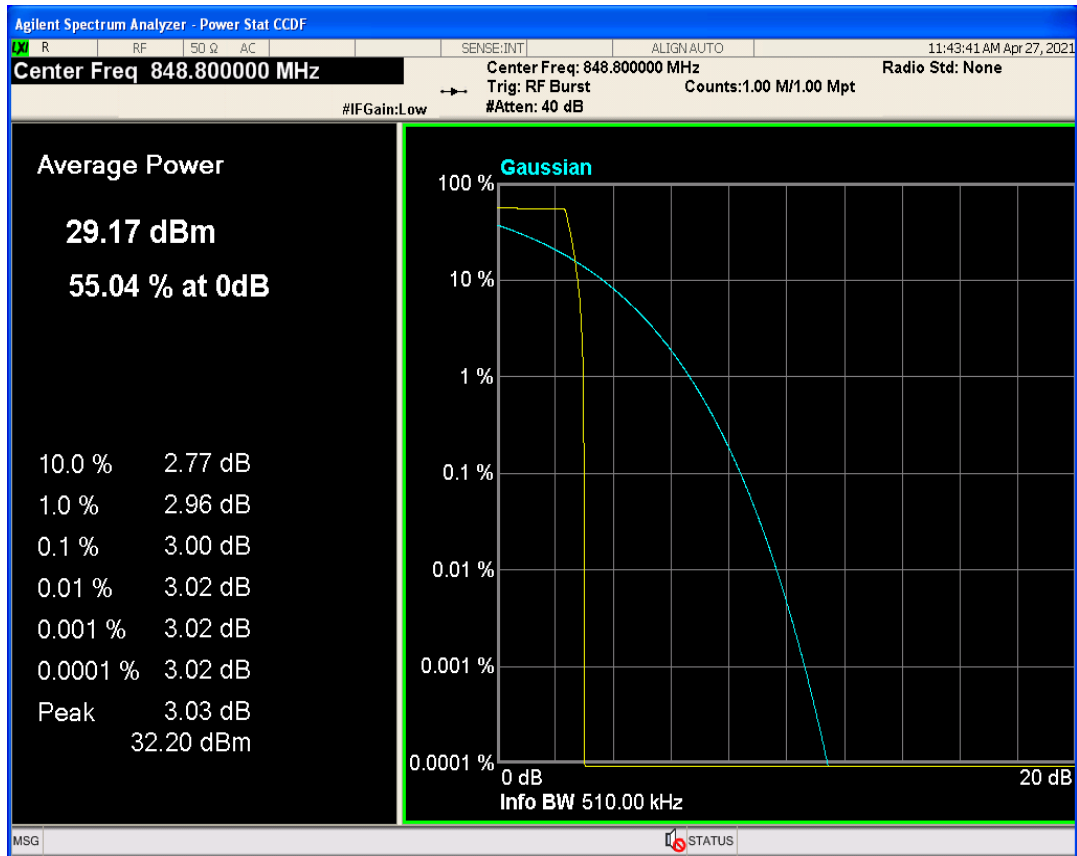
GPRS1900 Channel=810



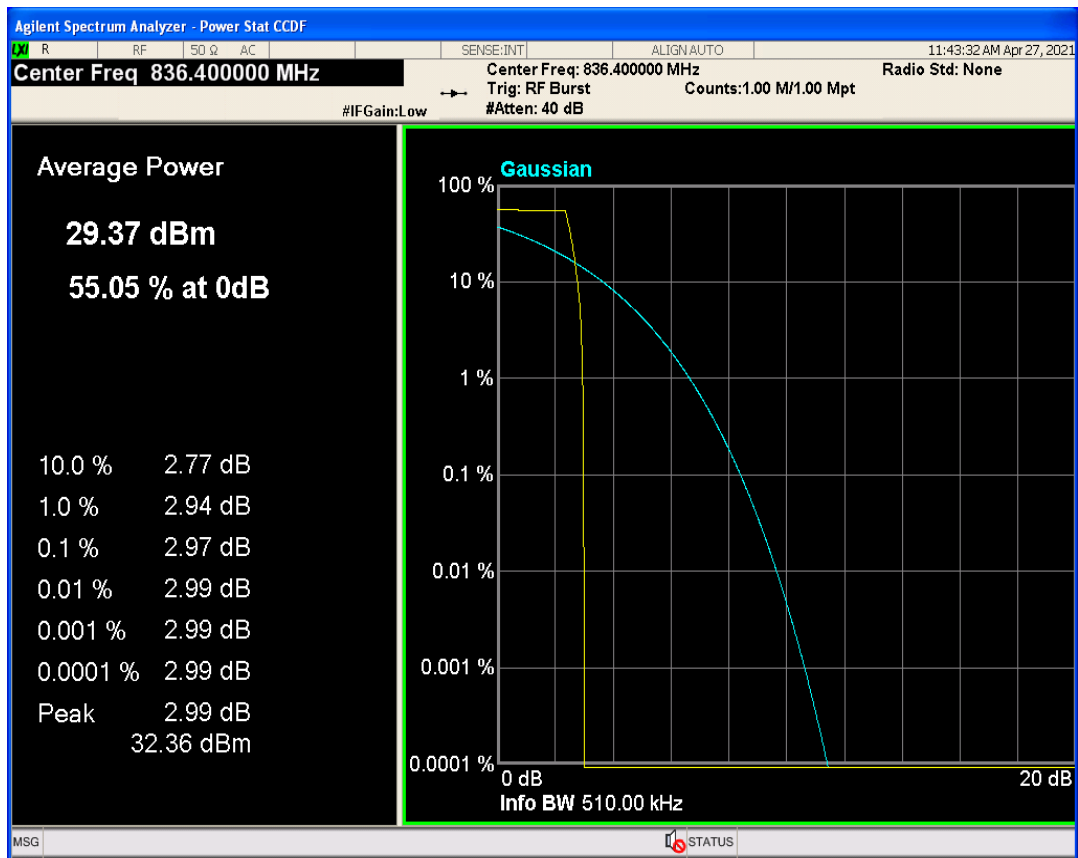
GPRS850 Channel=128



GPRS850 Channel=251



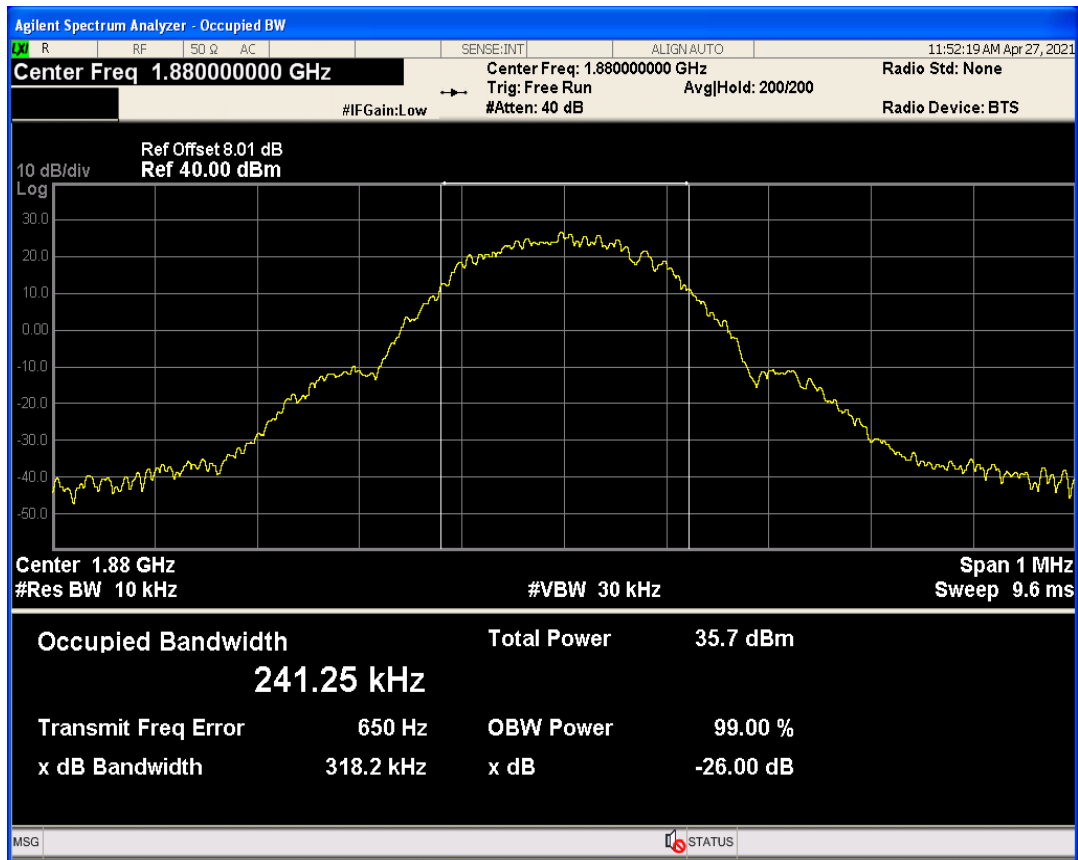
GPRS850 Channel=189



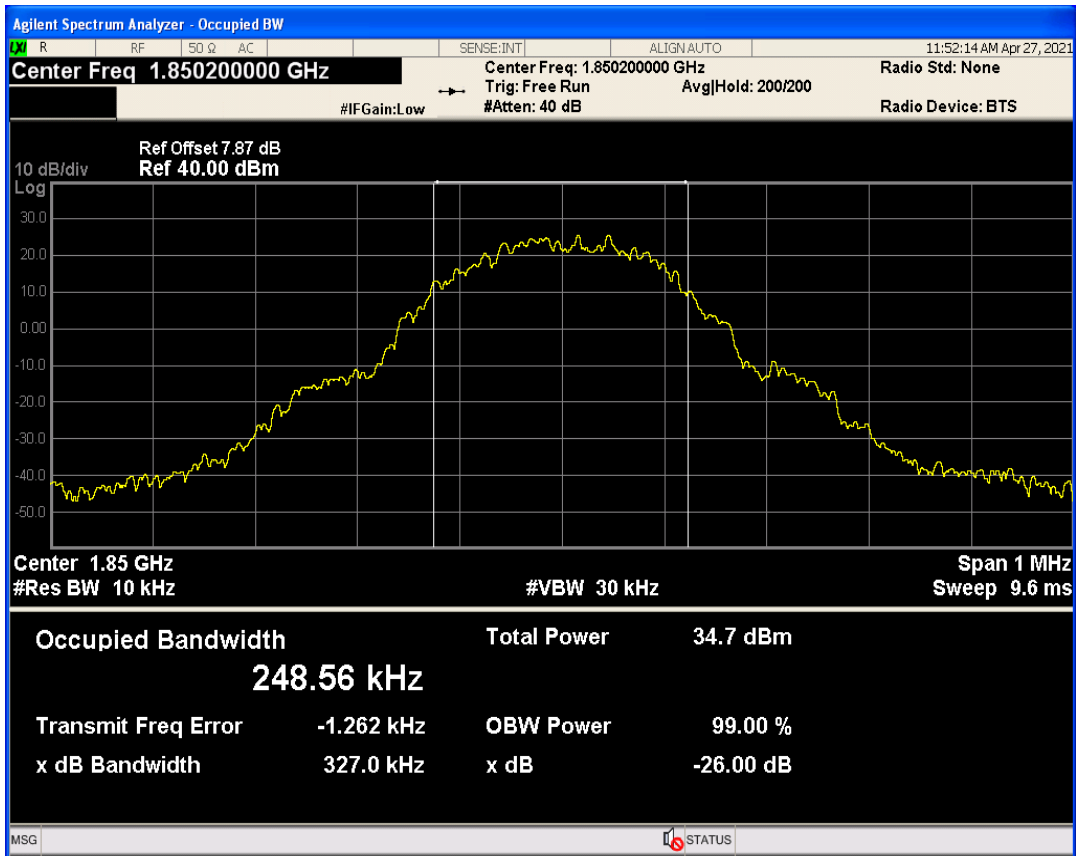
13 Occupied bandwidth

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
GPRS1900	512	1850.2	248.565	327.025	PASS
GPRS1900	661	1880	241.249	318.167	PASS
GPRS1900	810	1909.8	246.496	309.541	PASS
GPRS850	128	824.2	242.108	318.537	PASS
GPRS850	189	836.4	245.387	326.557	PASS
GPRS850	251	848.8	238.925	306.821	PASS

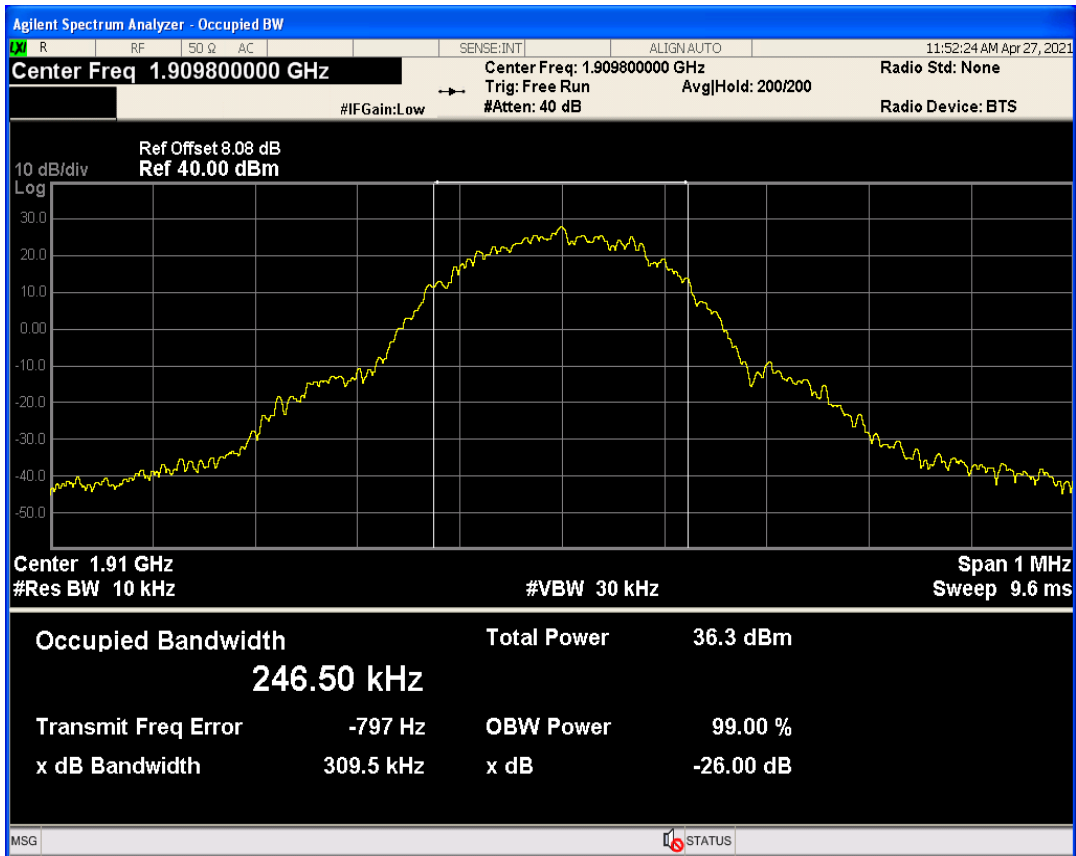
GPRS1900 Channel=661



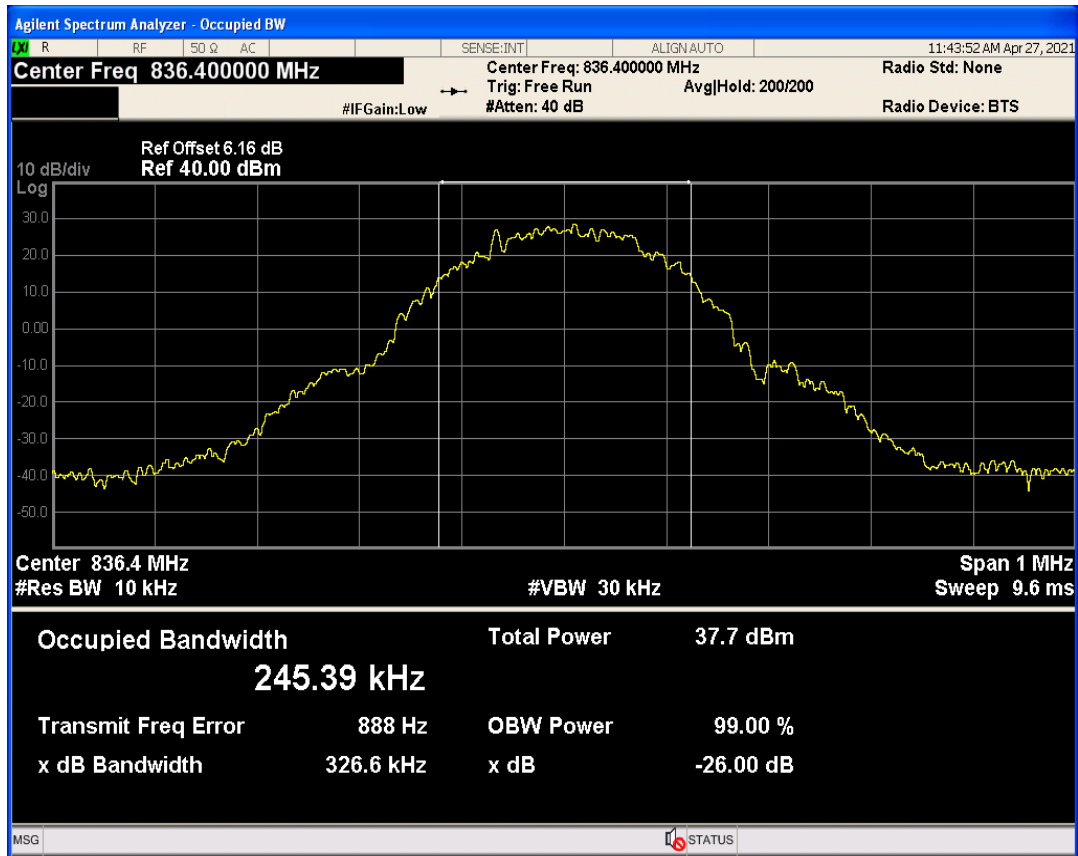
GPRS1900 Channel=512



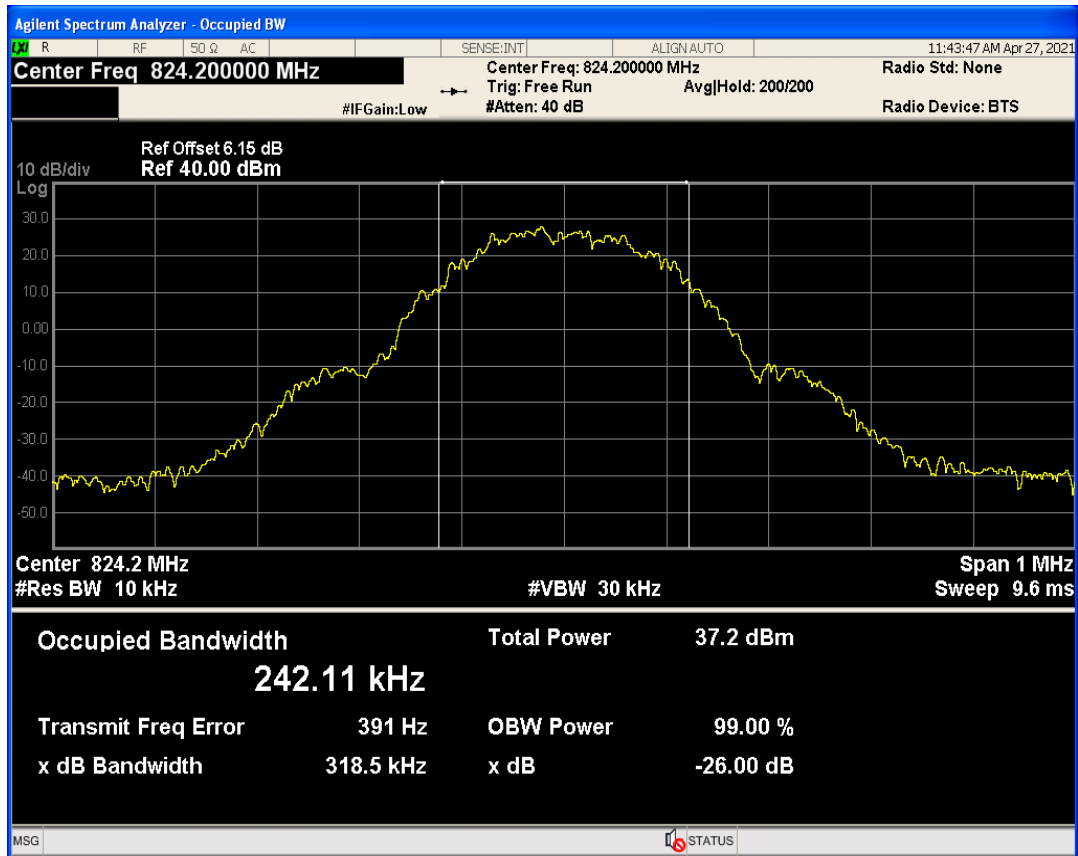
GPRS1900 Channel=810



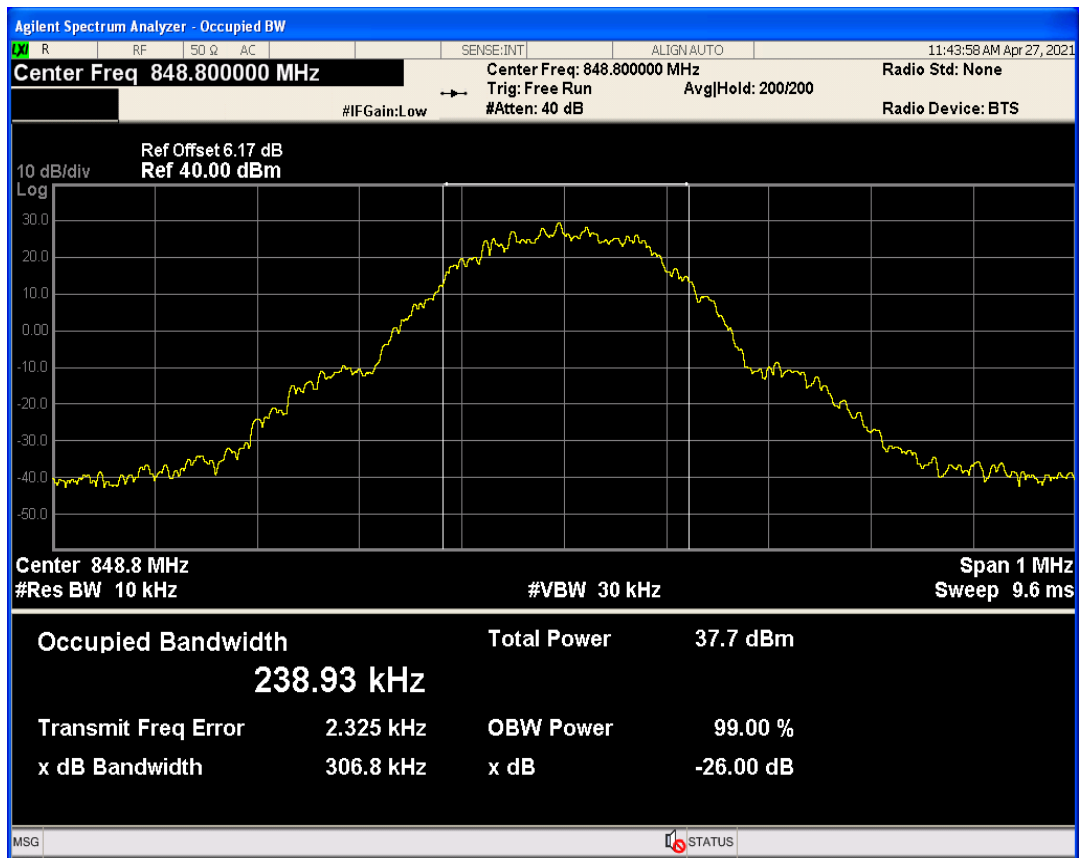
GPRS850 Channel=189



GPRS850 Channel=128



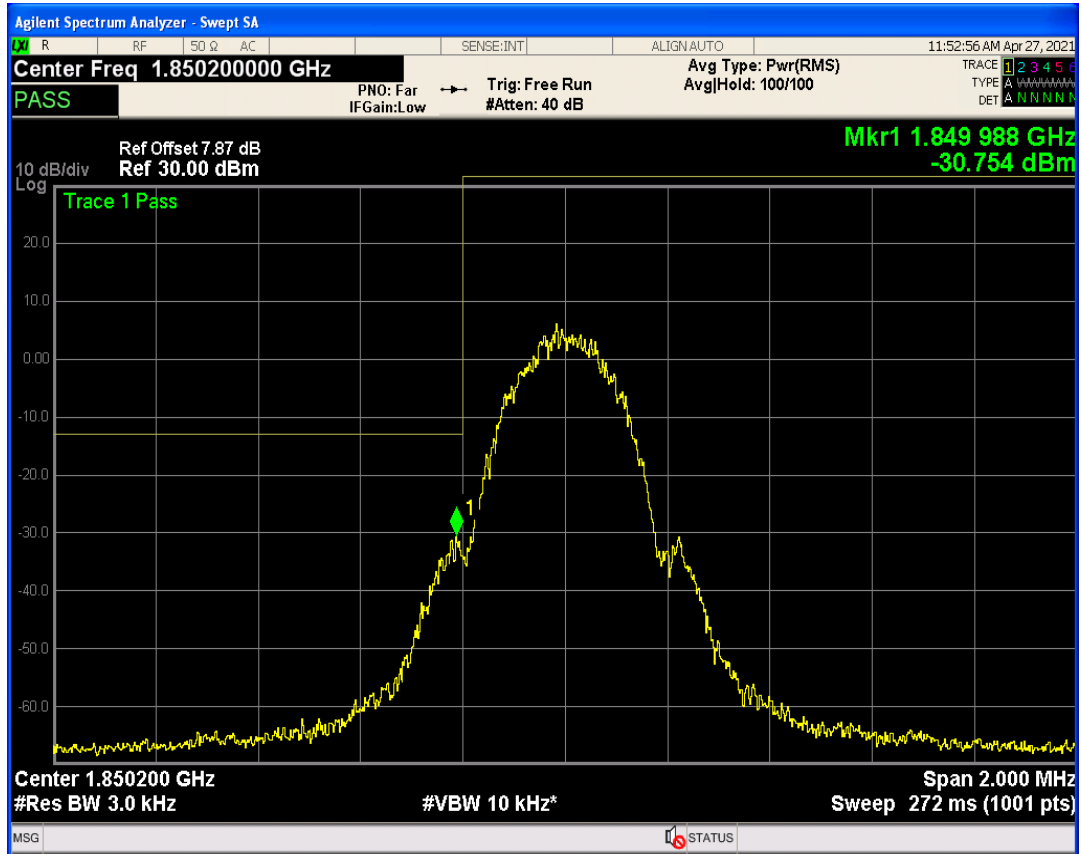
GPRS850 Channel=251



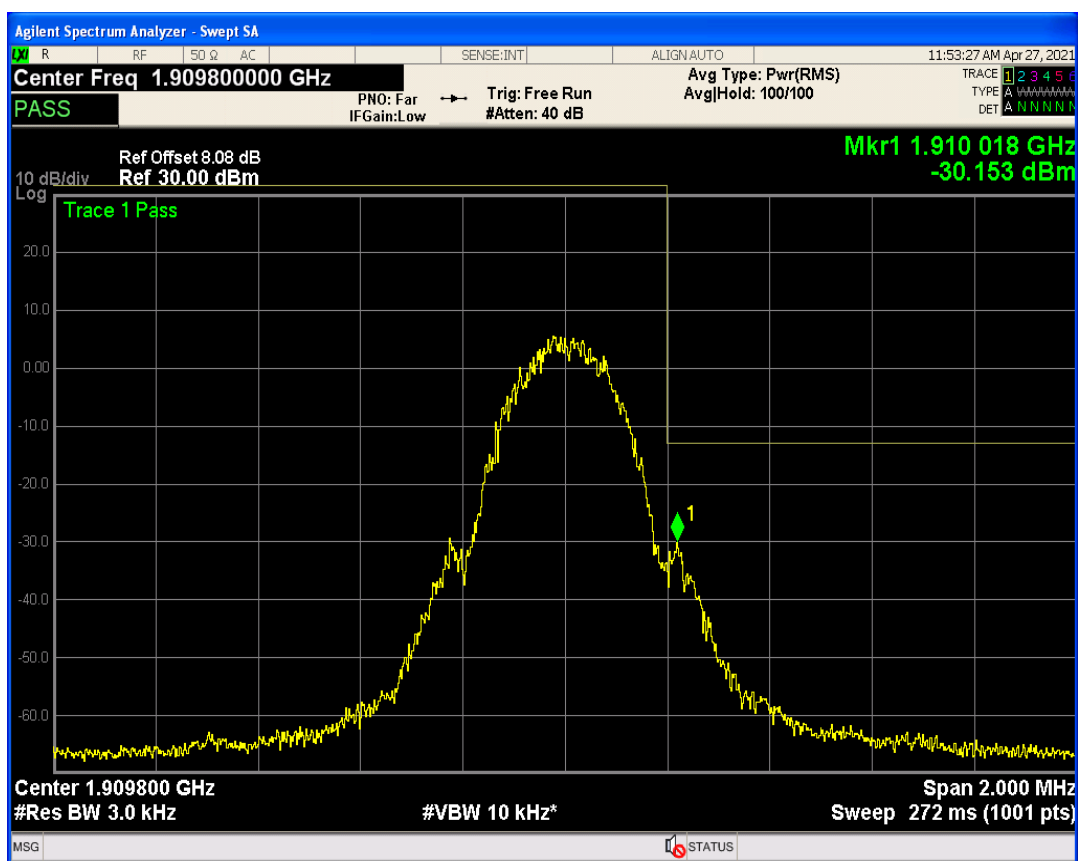
14 Band edge

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1850.2	1849.99	-30.75	-13	PASS
GPRS1900	810	1909.8	1910.02	-30.15	-13	PASS
GPRS850	128	824.2	823.98	-27.52	-13	PASS
GPRS850	251	848.8	849.00	-29.58	-13	PASS

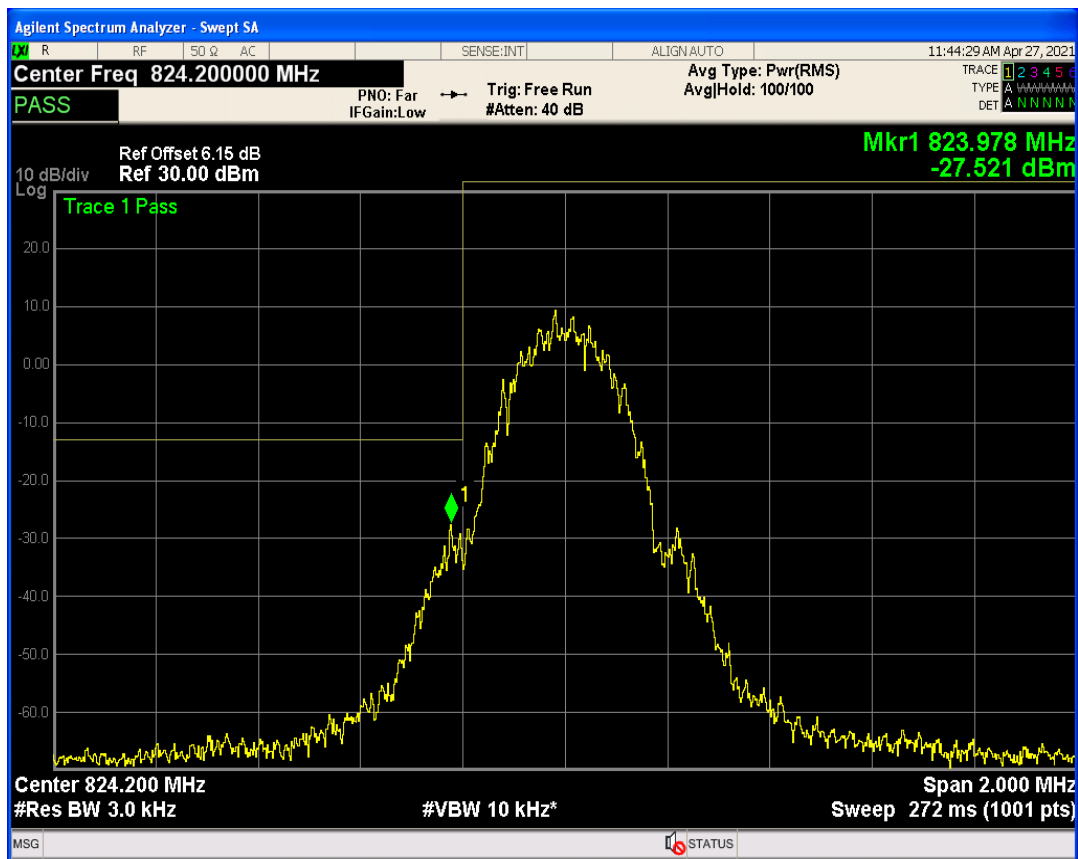
GPRS1900 Channel=512



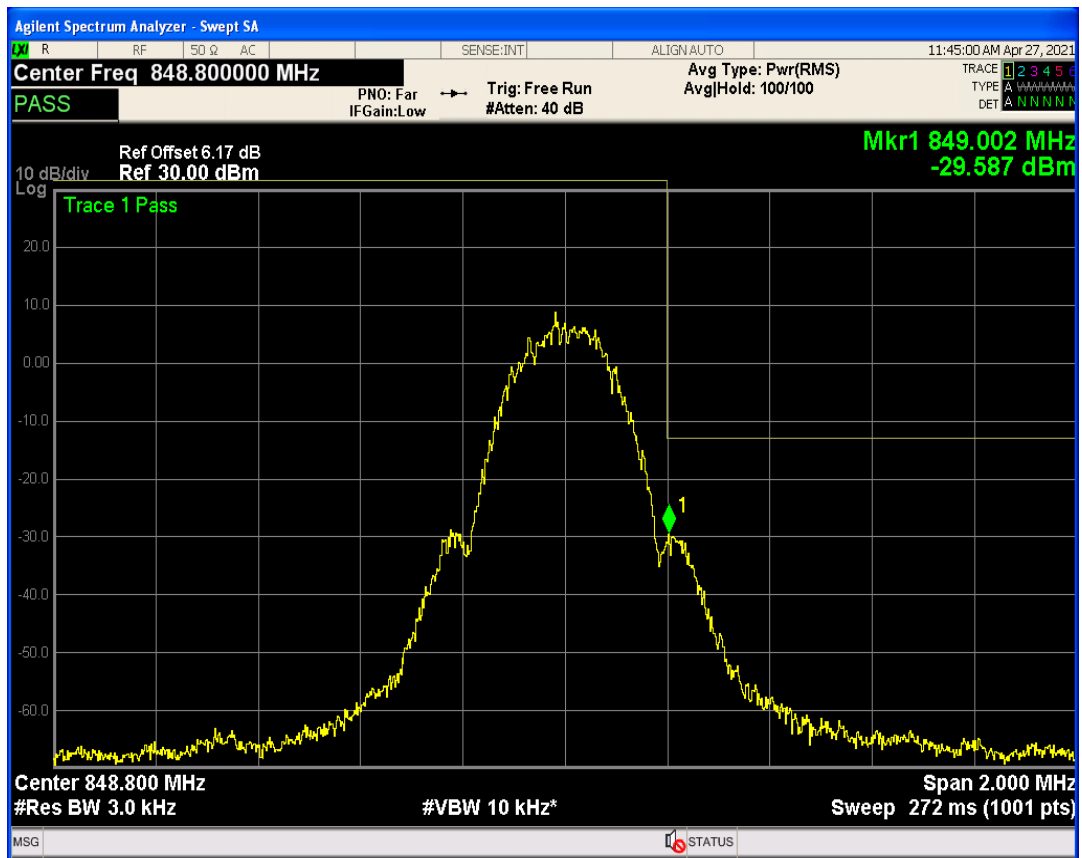
GPRS1900 Channel=810



GPRS850 Channel=128



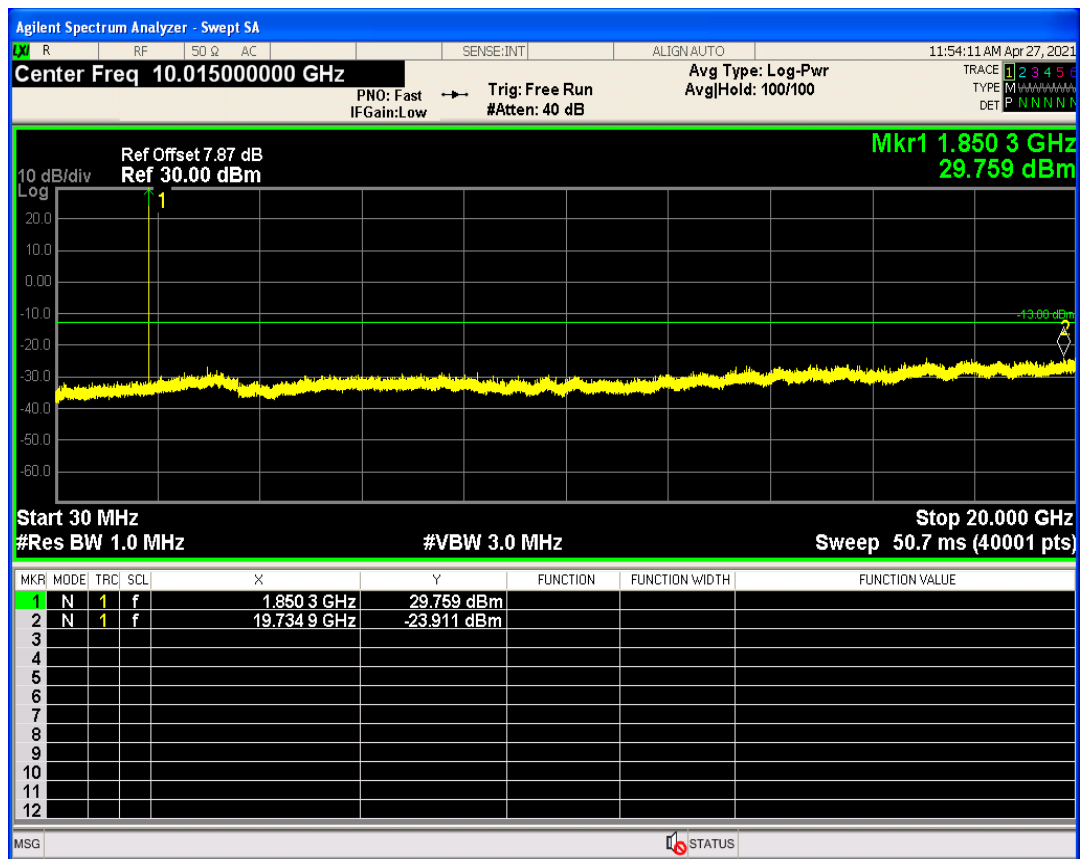
GPRS850 Channel=251



15 Out-of-band emissions

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
GPRS1900	512	1850.2	19734.90	-23.91	-13	PASS
GPRS1900	661	1880	19956.57	-23.17	-13	PASS
GPRS1900	810	1909.8	17874.69	-23.94	-13	PASS
GPRS850	128	824.2	3274.24	-29.79	-13	PASS
GPRS850	189	836.4	3013.77	-29.55	-13	PASS
GPRS850	251	848.8	3250.81	-29.67	-13	PASS

GPRS1900 Channel=512



[illegible]

[illegible]

GPRS850 Channel=189

