



UMTS BAND V

UMTS BAND V		
Mode	Frequency(MHz)	AVG Power
WCDMA 850 RMC	826.4	22.34
	836.6	22.40
	846.6	22.72
HSDPA Subtest 1	826.4	21.98
	836.6	21.94
	846.6	22.26
HSDPA Subtest 2	826.4	21.57
	836.6	21.49
	846.6	21.78
HSDPA Subtest 3	826.4	21.24
	836.6	21.01
	846.6	21.48
HSDPA Subtest 4	826.4	20.90
	836.6	20.68
	846.6	21.12
HSUPA Subtest 1	826.4	21.96
	836.6	21.87
	846.6	21.85
HSUPA Subtest 2	826.4	21.08
	836.6	20.89
	846.6	20.85
HSUPA Subtest 3	826.4	21.06
	836.6	20.44
	846.6	20.54
HSUPA Subtest 4	826.4	20.65
	836.6	20.08
	846.6	20.13
HSUPA Subtest 5	826.4	19.16
	836.6	18.66
	846.6	18.72



UMTS BAND II

UMTS BAND II		
Mode	Frequency(MHz)	AVG Power
WCDMA 1900 RMC	1852.4	22.62
	1880	22.43
	1907.6	22.40
HSDPA Subtest 1	1852.4	22.62
	1880	22.22
	1907.6	22.08
HSDPA Subtest 2	1852.4	22.17
	1880	21.82
	1907.6	21.60
HSDPA Subtest 3	1852.4	21.82
	1880	21.34
	1907.6	21.21
HSDPA Subtest 4	1852.4	21.43
	1880	20.97
	1907.6	20.84
HSUPA Subtest 1	1852.4	22.61
	1880	22.15
	1907.6	21.58
HSUPA Subtest 2	1852.4	21.72
	1880	21.19
	1907.6	20.68
HSUPA Subtest 3	1852.4	21.68
	1880	20.70
	1907.6	20.29
HSUPA Subtest 4	1852.4	21.37
	1880	20.31
	1907.6	19.84
HSUPA Subtest 5	1852.4	19.93
	1880	18.87
	1907.6	18.40



UMTS BAND IV

UMTS BAND IV		
Mode	Frequency(MHz)	AVG Power
WCDMA 1700 RMC	1712.6	23.14
	1740	23.11
	1752.4	22.95
HSDPA Subtest 1	1712.6	22.42
	1740	22.37
	1752.4	22.65
HSDPA Subtest 2	1712.6	22.00
	1740	21.90
	1752.4	22.18
HSDPA Subtest 3	1712.6	21.53
	1740	21.50
	1752.4	21.75
HSDPA Subtest 4	1712.6	21.15
	1740	21.06
	1752.4	21.35
HSUPA Subtest 1	1712.6	22.41
	1740	22.33
	1752.4	22.22
HSUPA Subtest 2	1712.6	21.47
	1740	21.39
	1752.4	21.30
HSUPA Subtest 3	1712.6	21.42
	1740	20.93
	1752.4	20.97
HSUPA Subtest 4	1712.6	21.00
	1740	20.55
	1752.4	20.56
HSUPA Subtest 5	1712.6	19.59
	1740	19.07
	1752.4	19.08



CDMA BC0

Mode	Frequency(MHz)	AVG Power
CDMA BC0	824.7	23.92
	836.52	24.09
	848.31	24.12
EVDO BC0	824.7	23.75
	836.52	23.80
	848.31	23.89

CDMA BC1

CDMA BC1		
Mode	Frequency(MHz)	AVG Power
CDMA BC1	1851.25	24.61
	1880	24.42
	1908.75	24.76
EVDO BC1	1851.25	24.18
	1880	24.20
	1908.75	24.03



A2. PEAK-TO-AVERAGE RADIO

GSM 850		
Mode	Frequency (MHz)	PAR
GPRS 850	824.2	0.32
	836.6	0.31
	848.8	0.31
EGPRS 850	824.2	0.31
	836.6	0.31
	848.8	0.30
PCS 1900		
Mode	Frequency (MHz)	PAR
GPRS1900	1850.2	1.12
	1880	0.56
	1909.8	1.34
EGPRS1900	1850.2	4.05
	1880	3.93
	1909.8	3.50



UMTS Band II		
Mode	Frequency (MHz)	PAR
WCDMA 1900 RMC	1852.4	0.11
	1880	0.11
	1907.6	0.11
HSDPA 1900	1852.4	0.11
	1880	0.11
	1907.6	0.11
HSUPA 1900	1852.4	0.11
	1880	0.11
	1907.6	0.11
UMTS Band V		
Mode	Frequency (MHz)	PAR
WCDMA 850 RMC	826.4	0.11
	836.6	0.11
	846.6	0.11
HSDPA 850	826.4	0.11
	836.6	0.11
	846.6	0.11
HSUPA 850	826.4	0.11
	836.6	0.11
	846.6	0.11
UMTS Band IV		
Mode	Frequency (MHz)	PAR
WCDMA 1700 RMC	1712.6	0.11
	1740	0.11
	1752.4	0.11
HSDPA 1700	1712.6	0.11
	1740	0.11
	1752.4	0.11
HSUPA 1700	1712.6	0.11
	1740	0.11
	1752.4	0.11



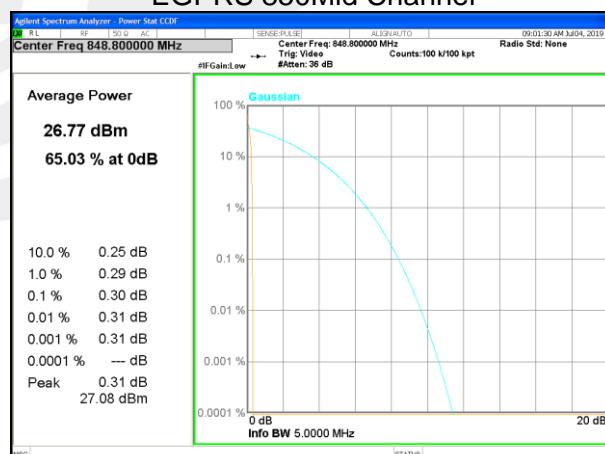
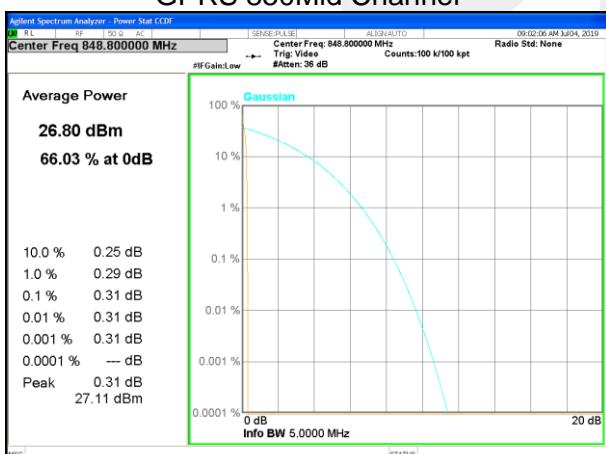
Mode	Frequency (MHz)	PAR
CDMA BC0	824.7	3.70
	836.52	4.29
	848.31	4.01
EVDO BC0	824.7	4.27
	836.52	3.77
	848.31	4.29
CDMA BC1	1851.25	3.81
	1880	4.05
	1908.75	3.79
EVDO BC1	1851.25	3.81
	1880	4.05
	1908.75	3.76



GPRS 850Low Channel



GPRS 850Mid Channel



GPRS 850High Channel

EGPRS 850High Channel



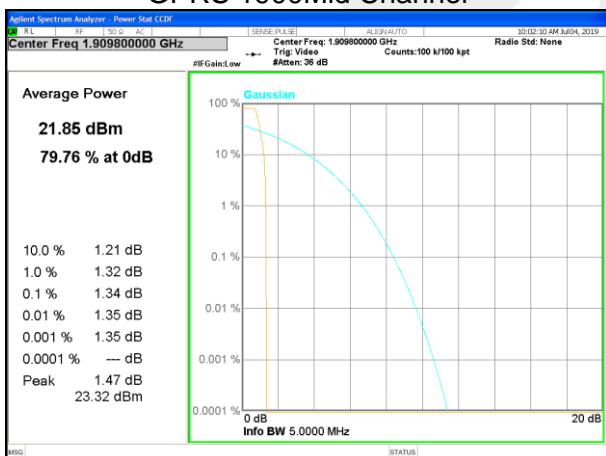
GPRS 1900Low Channel



EGPRS 1900Low Channel



GPRS 1900Mid Channel

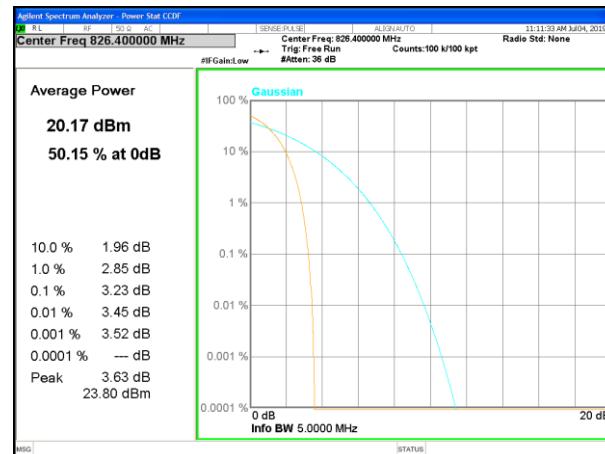
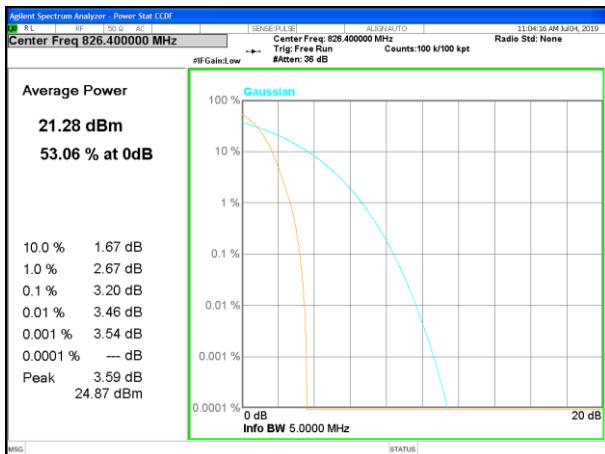


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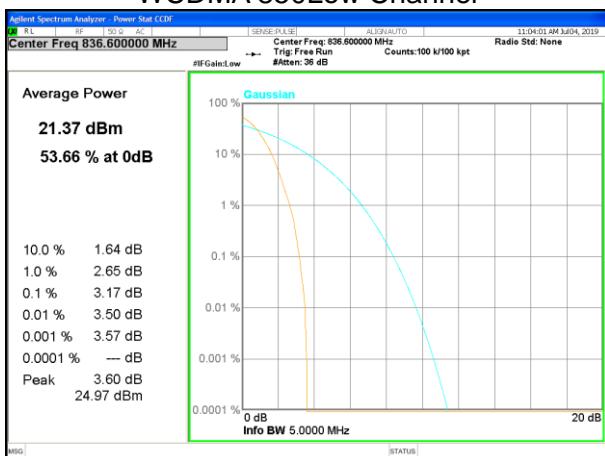


GPRS 1900High Channel

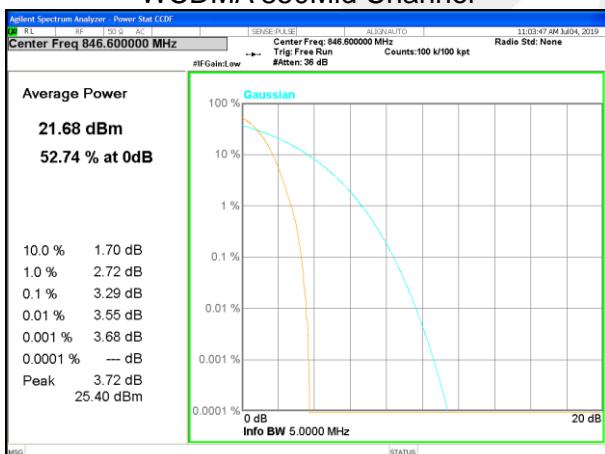
GPRS 1900High Channel



WCDMA 850Low Channel

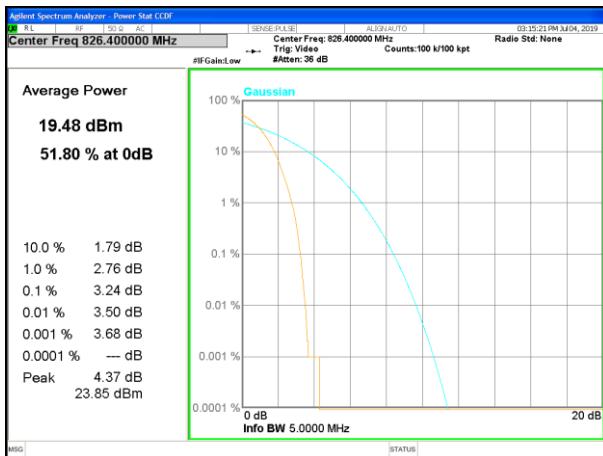


WCDMA 850Mid Channel



WCDMA 850High Channel

HSDPA 850High Channel

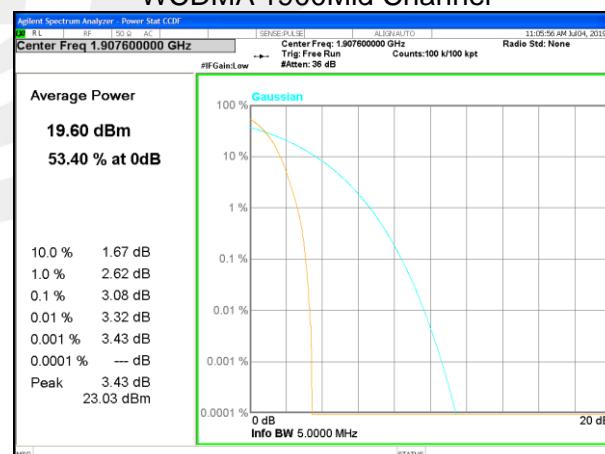
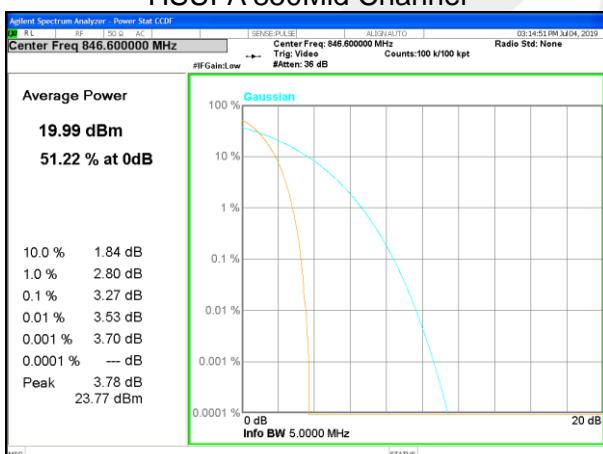


HSUPA 850Low Channel



WCDMA 1900Low Channel

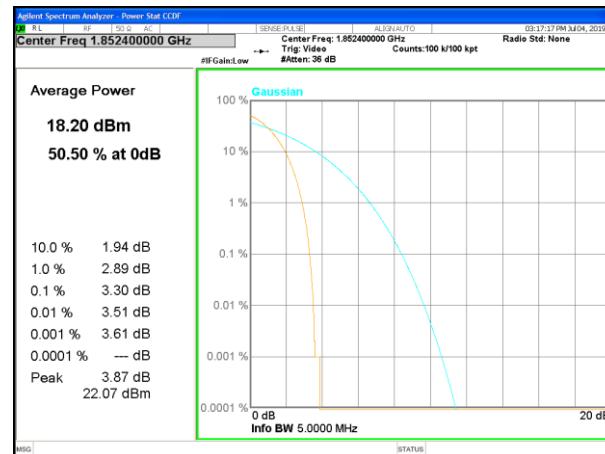
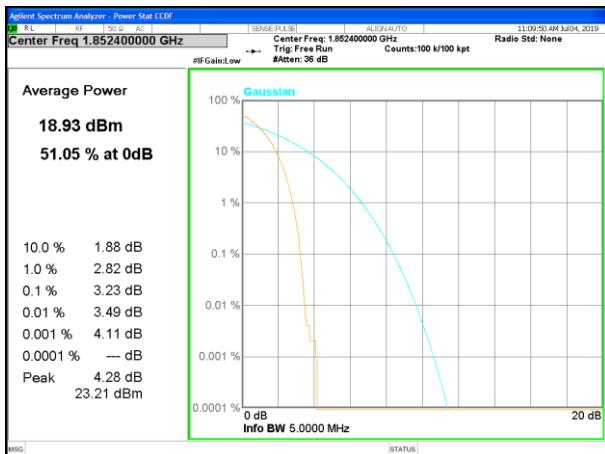
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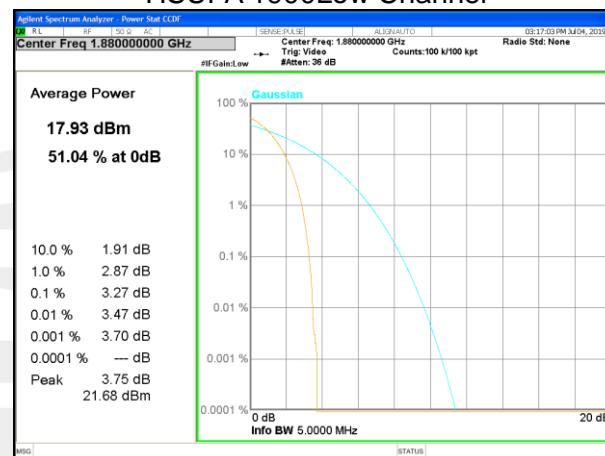
WCDMA 1900Mid Channel

HSUPA 850High Channel

WCDMA 1900High Channel



HSDPA 1900Low Channel



HSDPA 1900Mid Channel



HSDPA 1900High Channel

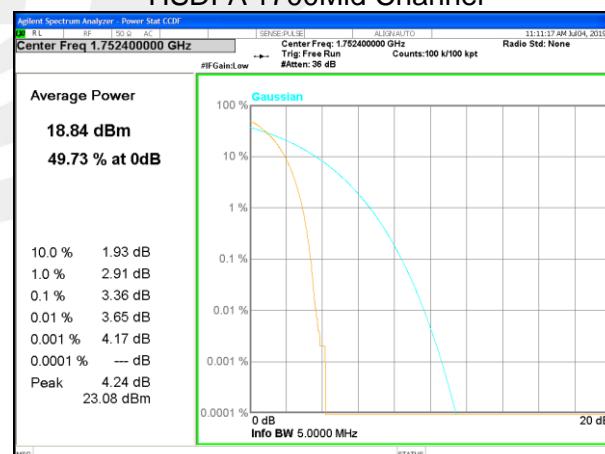
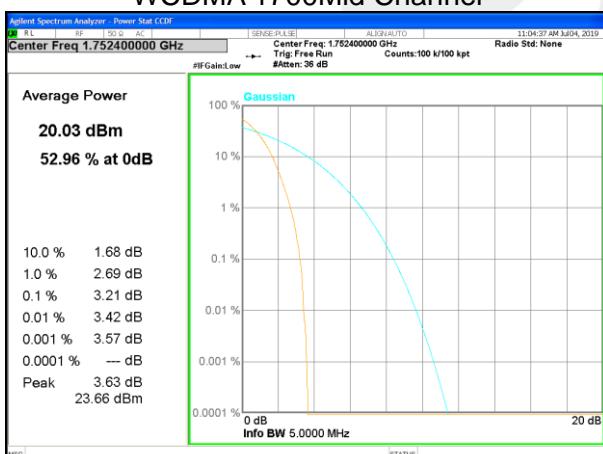
HSUPA 1900High Channel



WCDMA 1700Low Channel

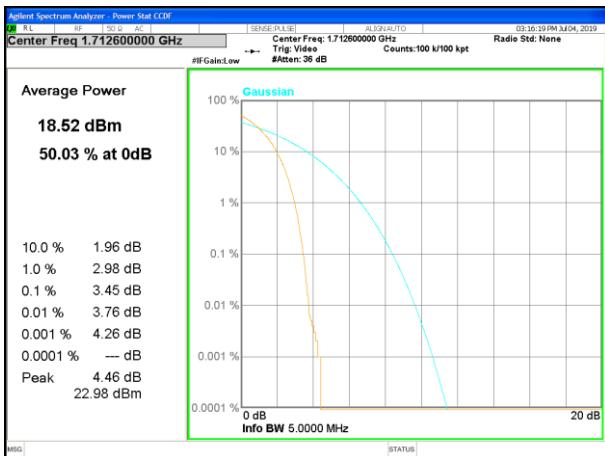


WCDMA 1700Mid Channel



WCDMA 1700High Channel

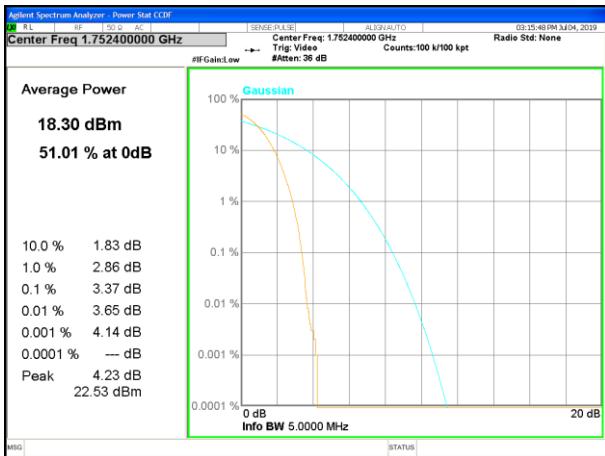
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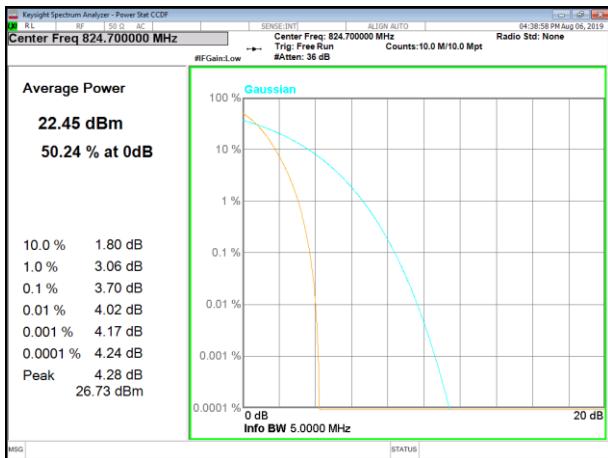
HSUPA 1700Low Channel



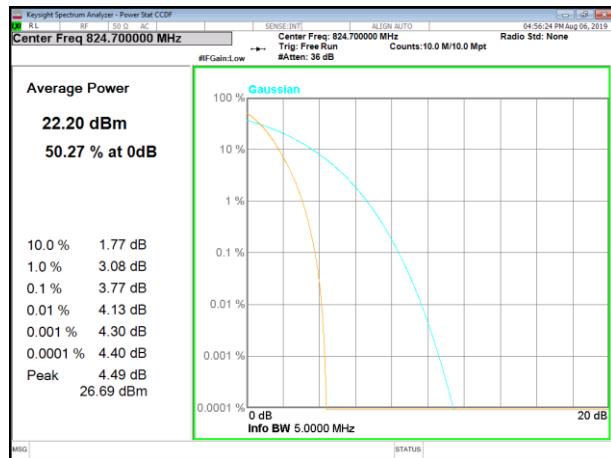
HSUPA 1700Mid Channel



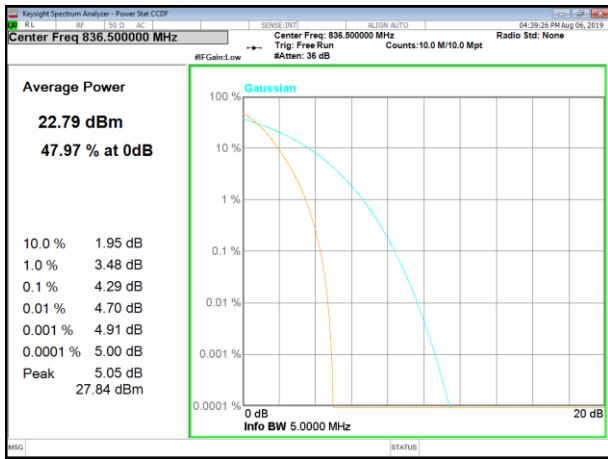
HSUPA 1700High Channel



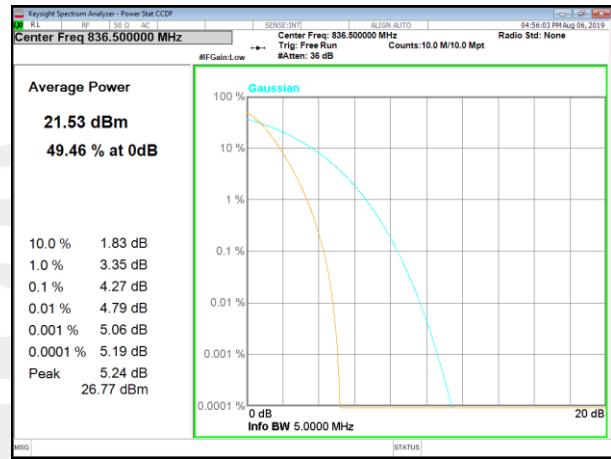
CDMA BC0Low Channel



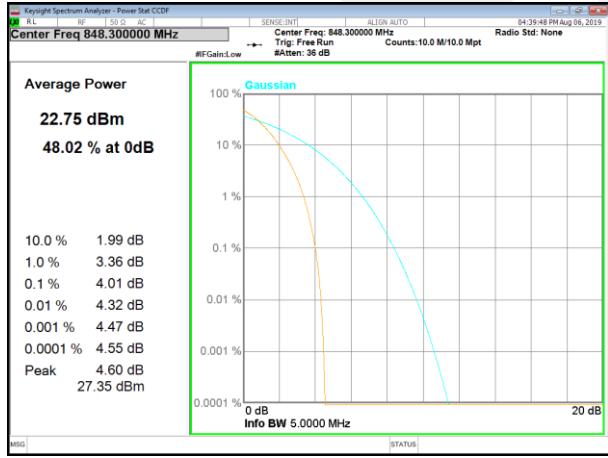
EVDO BC0Low Channel



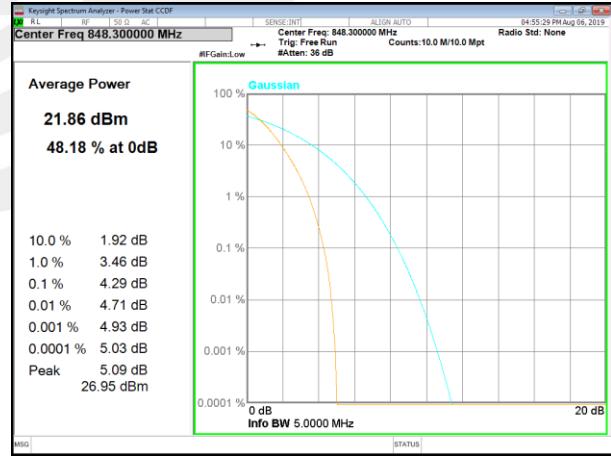
CDMA BC0Mid Channel



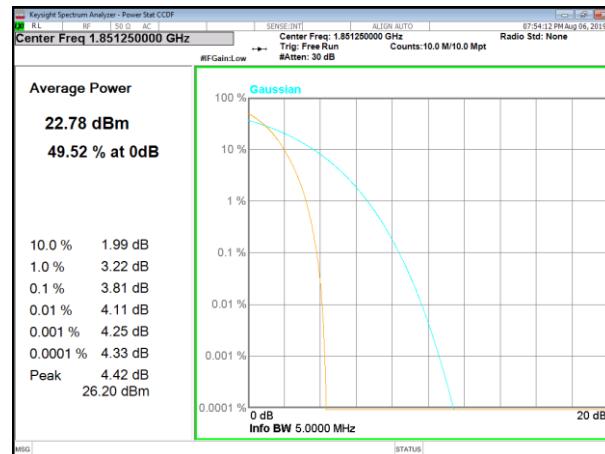
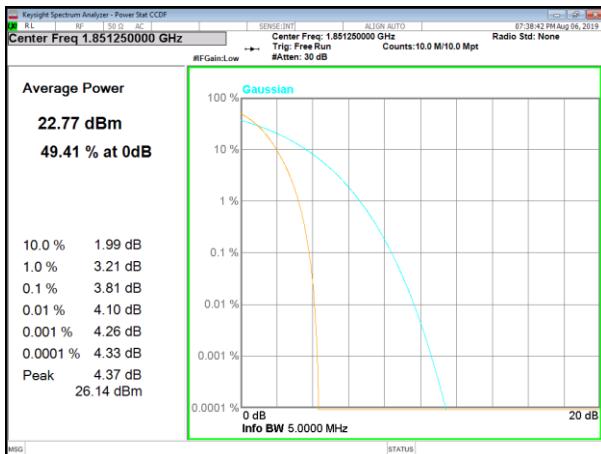
EVDO BC0Mid Channel



CDMA BC0High Channel

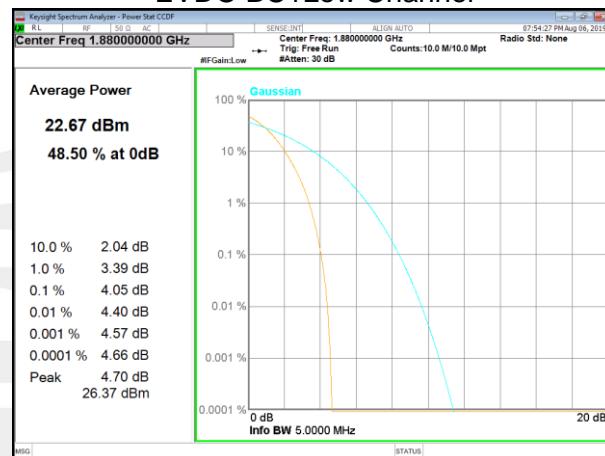


EVDO BC0High Channel



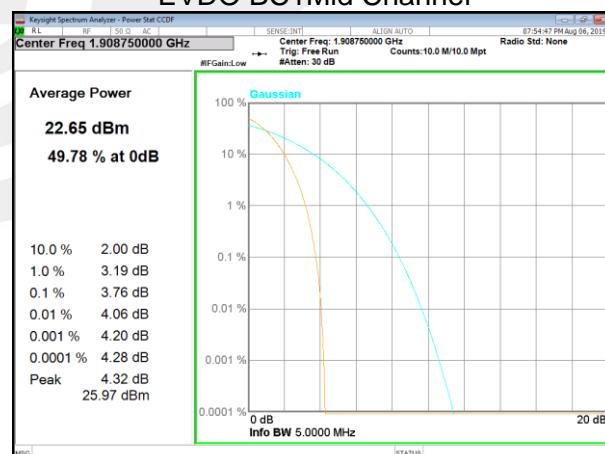
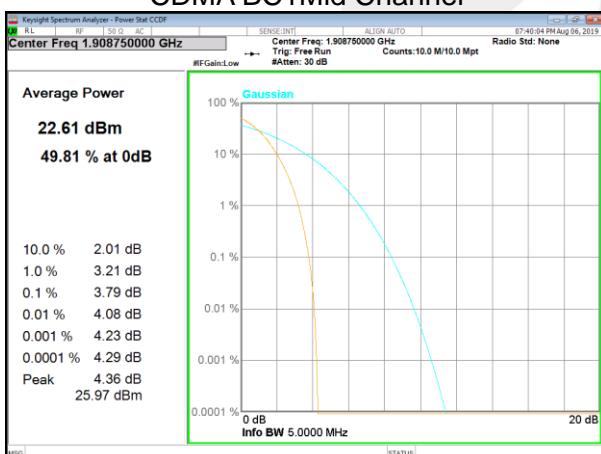
CDMA BC1Low Channel

EVDO BC1Low Channel



CDMA BC1Mid Channel

EVDO BC1Mid Channel



CDMA BC1High Channel

EVDO BC1High Channel



A3. TRANSMITTER RADIATED POWER (EIRP/ERP)

Note: Test is divided into three directions, X/Y/Z. X pattern for the worst

Radiated Power (EIRP) for GSM 850 MHz							
Mode	Frequency	Result					Conclusion
		S G.Level (dBm)	Cable loss	Gain(dBi)	PMeas E.I.R.P(dBm)	Polarization Of Max. ERP	
GPRS850	824.2	18.26	0.44	6.5	24.32	Horizontal	Pass
	824.2	20.43	0.44	6.5	26.49	Vertical	Pass
	836.6	17.97	0.45	6.5	24.02	Horizontal	Pass
	836.6	20.47	0.45	6.5	26.52	Vertical	Pass
	848.8	18.60	0.46	6.5	24.64	Horizontal	Pass
	848.8	20.72	0.46	6.5	26.76	Vertical	Pass
EGPRS850	824.2	18.06	0.44	6.5	24.12	Horizontal	Pass
	824.2	20.40	0.44	6.5	26.46	Vertical	Pass
	836.6	18.46	0.45	6.5	24.51	Horizontal	Pass
	836.6	20.56	0.45	6.5	26.61	Vertical	Pass
	848.8	18.35	0.46	6.5	24.39	Horizontal	Pass
	848.8	20.79	0.46	6.5	26.83	Vertical	Pass
Limit	E.R.P<7W=38.45dBm						

Radiated Power (EIRP) for PCS 1900 MHz							
Mode	Frequency	Result					Conclusion
		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. ERP	
GPRS1900	1850.2	12.9	2.41	10.35	20.84	Horizontal	Pass
	1850.2	15.16	2.41	10.35	23.1	Vertical	Pass
	1880	12.48	2.42	10.35	20.41	Horizontal	Pass
	1880	14.81	2.42	10.35	22.74	Vertical	Pass
	1909.8	12.18	2.43	10.35	20.1	Horizontal	Pass
	1909.8	14.65	2.43	10.35	22.57	Vertical	Pass
EGPRS1900	1850.2	12.83	2.41	10.35	20.77	Horizontal	Pass
	1850.2	15.19	2.41	10.35	23.13	Vertical	Pass
	1880	12.16	2.42	10.35	20.09	Horizontal	Pass
	1880	14.63	2.42	10.35	22.56	Vertical	Pass
	1909.8	12.18	2.43	10.35	20.1	Horizontal	Pass
	1909.8	14.55	2.43	10.35	22.47	Vertical	Pass
Limit	E.I.R.P<2W=33dBm						



Radiated Power (ERP) for WCDMA Band V							
Mode	Frequency	Result					Conclusion
		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
WCDMA	826.4	14.18	0.44	6.5	20.24	Horizontal	Pass
	826.4	16.00	0.44	6.5	22.06	Vertical	Pass
	836.6	14.12	0.45	6.5	20.17	Horizontal	Pass
	836.6	15.87	0.45	6.5	21.92	Vertical	Pass
	846.4	14.00	0.46	6.5	20.04	Horizontal	Pass
	846.4	15.73	0.46	6.5	21.77	Vertical	Pass
HSUPA	826.4	14.14	0.44	6.5	20.20	Horizontal	Pass
	826.4	15.93	0.44	6.5	21.99	Vertical	Pass
	836.6	13.66	0.45	6.5	19.71	Horizontal	Pass
	836.6	15.44	0.45	6.5	21.49	Vertical	Pass
	846.4	13.48	0.46	6.5	19.52	Horizontal	Pass
	846.4	15.24	0.46	6.5	21.28	Vertical	Pass
HSDPA	826.4	13.92	0.44	6.5	19.98	Horizontal	Pass
	826.4	15.80	0.44	6.5	21.86	Vertical	Pass
	836.6	13.39	0.45	6.5	19.44	Horizontal	Pass
	836.6	15.21	0.45	6.5	21.26	Vertical	Pass
	846.4	12.93	0.46	6.5	18.97	Horizontal	Pass
	846.4	14.75	0.46	6.5	20.79	Vertical	Pass
Limit	E.R.P<7W=38.45dBm						



Radiated Power (EIRP) for WCDMA Band II							
Mode	Frequency	Result				Conclusion	
		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)		
WCDMA	1852.4	11.97	2.41	10.35	19.91	Horizontal	Pass
	1852.4	13.8	2.41	10.35	21.74	Vertical	Pass
	1880	11.88	2.42	10.35	19.81	Horizontal	Pass
	1880	13.82	2.42	10.35	21.75	Vertical	Pass
	1907.4	12.25	2.43	10.35	20.17	Horizontal	Pass
	1907.4	14.18	2.43	10.35	22.1	Vertical	Pass
HSUPA	1852.4	11.33	2.41	10.35	19.27	Horizontal	Pass
	1852.4	13.25	2.41	10.35	21.19	Vertical	Pass
	1880	11.39	2.42	10.35	19.32	Horizontal	Pass
	1880	13.25	2.42	10.35	21.18	Vertical	Pass
	1907.4	11.89	2.43	10.35	19.81	Horizontal	Pass
	1907.4	13.77	2.43	10.35	21.69	Vertical	Pass
HSDPA	1852.4	11.45	2.41	10.35	19.39	Horizontal	Pass
	1852.4	13.33	2.41	10.35	21.27	Vertical	Pass
	1880	11.27	2.42	10.35	19.2	Horizontal	Pass
	1880	13.23	2.42	10.35	21.16	Vertical	Pass
	1907.4	11.43	2.43	10.35	19.35	Horizontal	Pass
	1907.4	13.19	2.43	10.35	21.11	Vertical	Pass
Limit	E.I.R.P<2W=33dBm						



Radiated Power (EIRP) for WCDMA Band IV							
Mode	Frequency	Result				Conclusion	
		S G.Level (dBm)	Cable loss	Gain (dBi)	PMes E.I.R.P.(dBm)		
WCDMA	1712.6	12.34	2.07	10.13	20.4	Horizontal	Pass
	1712.6	14.32	2.07	10.13	22.38	Vertical	Pass
	1740	12.47	2.08	10.13	20.52	Horizontal	Pass
	1740	14.47	2.08	10.13	22.52	Vertical	Pass
	1752.4	12.42	2.09	10.13	20.46	Horizontal	Pass
	1752.4	14.22	2.09	10.13	22.26	Vertical	Pass
HSUPA	1712.6	11.95	2.07	10.13	20.01	Horizontal	Pass
	1712.6	13.76	2.07	10.13	21.82	Vertical	Pass
	1740	12.01	2.08	10.13	20.06	Horizontal	Pass
	1740	13.72	2.08	10.13	21.77	Vertical	Pass
	1752.4	12.01	2.09	10.13	20.05	Horizontal	Pass
	1752.4	13.83	2.09	10.13	21.87	Vertical	Pass
HSDPA	1712.6	11.98	2.07	10.13	20.04	Horizontal	Pass
	1712.6	13.76	2.07	10.13	21.82	Vertical	Pass
	1740	11.88	2.08	10.13	19.93	Horizontal	Pass
	1740	13.59	2.08	10.13	21.64	Vertical	Pass
	1752.4	11.62	2.09	10.13	19.66	Horizontal	Pass
	1752.4	13.54	2.09	10.13	21.58	Vertical	Pass
Limit	E.I.R.P<3W=34.78dBm						



Radiated Power (ERP) for CDMA BC0							
Mode	Frequency	Result					Conclusion
		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.R.P(dBm)	Polarization Of Max. ERP	
		824.7	15.31	0.44	6.5	21.37	Horizontal
CDMA	824.7	17.24	0.44	6.5	23.30	Vertical	Pass
	836.52	15.49	0.45	6.5	21.54	Horizontal	Pass
	836.52	17.20	0.45	6.5	23.25	Vertical	Pass
	848.31	15.16	0.46	6.5	21.20	Horizontal	Pass
	848.31	17.03	0.46	6.5	23.07	Vertical	Pass
	826.4	15.45	0.44	6.5	21.51	Horizontal	Pass
EVDO	826.4	17.23	0.44	6.5	23.29	Vertical	Pass
	836.6	15.37	0.45	6.5	21.42	Horizontal	Pass
	836.6	16.95	0.45	6.5	23.00	Vertical	Pass
	846.4	15.21	0.46	6.5	21.25	Horizontal	Pass
	846.4	16.93	0.46	6.5	22.97	Vertical	Pass
	Limit	ERP<7W=38.45dBm					

Radiated Power (EIRP) for CDMA BC1							
Mode	Frequency	Result					Conclusion
		S G.Level (dBm)	Cable loss	Gain (dBi)	PMeas E.I.R.P.(dBm)	Polarization Of Max. ERP	
		1851.25	13.95	2.41	10.35	21.89	Horizontal
CDMA	1851.25	15.74	2.41	10.35	23.68	Vertical	Pass
	1880	13.73	2.42	10.35	21.66	Horizontal	Pass
	1880	15.62	2.42	10.35	23.55	Vertical	Pass
	1908.75	13.84	2.43	10.35	21.76	Horizontal	Pass
	1908.75	15.78	2.43	10.35	23.7	Vertical	Pass
	1851.25	15.79	0.44	6.5	21.85	Horizontal	Pass
EVDO	1851.25	17.52	0.44	6.5	23.58	Vertical	Pass
	1880	15.55	0.45	6.5	21.60	Horizontal	Pass
	1880	17.48	0.45	6.5	23.53	Vertical	Pass
	1908.75	15.96	0.46	6.5	22.00	Horizontal	Pass
	1908.75	17.65	0.46	6.5	23.69	Vertical	Pass
	Limit	EIRP<2W=33dBm					