LTE Mode Test Data

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot[Note2]	Verdict
LTE Band 2	20 MHz	LCH	QPSK	RB1#0	3.65	13	7.1	Pass
				RB100#0	4.81	13	7.2	Pass
			16-QAM	RB1#0	4.38	13	7.3	Pass
				RB100#0	5.83	13	7.4	Pass
		MCH	QPSK	RB1#0	4.61	13	7.5	Pass
				RB100#0	4.55	13	7.6	Pass
			16-QAM	RB1#0	5.59	13	7.7	Pass
				RB100#0	5.68	13	7.8	Pass
		HCH	QPSK	RB1#0	3.57	13	7.9	Pass
				RB100#0	4.90	13	7.10	Pass
			16-QAM	RB1#0	4.52	13	7.11	Pass
				RB100#0	5.97	13	7.12	Pass
LTE Band 4	20 MHz	LCH	QPSK	RB1#0	3.91	13	8.1	Pass
				RB100#0	4.64	13	8.2	Pass
			16-QAM	RB1#0	4.81	13	8.3	Pass
				RB100#0	5.65	13	8.4	Pass
		MCH	QPSK	RB1#0	4.38	13	8.5	Pass
				RB100#0	4.87	13	8.6	Pass
			16-QAM	RB1#0	4.99	13	8.7	Pass
				RB100#0	5.86	13	8.8	Pass
		HCH	QPSK	RB1#0	4.49	13	8.9	Pass
				RB100#0	4.58	13	8.10	Pass
			16-QAM	RB1#0	5.39	13	8.11	Pass
				RB100#0	5.59	13	8.12	Pass
LTE Band 5	10 MHz	LCH	QPSK	RB1#0	3.65	13	9.1	Pass
				RB50#0	4.87	13	9.2	Pass
			16-QAM	RB1#0	4.52	13	9.3	Pass
				RB50#0	5.83	13	9.4	Pass
		MCH	QPSK	RB1#0	3.77	13	9.5	Pass
				RB50#0	4.78	13	9.6	Pass
			16-QAM	RB1#0	4.52	13	9.7	Pass
				RB50#0	5.74	13	9.8	Pass
		HCH	QPSK	RB1#0	3.65	13	9.9	Pass
				RB50#0	4.72	13	9.10	Pass
			16-QAM	RB1#0	4.55	13	9.11	Pass
				RB50#0	5.65	13	9.12	Pass
LTE Band 7	20 MHz	LCH	QPSK	RB1#0	4.67	13	10.1	Pass
				RB100#0	5.04	13	10.2	Pass
			16-QAM	RB1#0	5.33	13	10.3	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot[Note2]	Verdict
				RB100#0	6.06	13	10.4	Pass
		MCH	QPSK	RB1#0	4.46	13	10.5	Pass
				RB100#0	5.16	13	10.6	Pass
			16-QAM	RB1#0	5.39	13	10.7	Pass
				RB100#0	6.17	13	10.8	Pass
		HCH	QPSK	RB1#0	4.67	13	10.9	Pass
				RB100#0	4.81	13	10.10	Pass
			16-QAM	RB1#0	5.51	13	10.11	Pass
				RB100#0	5.91	13	10.12	Pass
LTE Band 12	10 MHz	LCH	QPSK	RB1#0	3.94	13	11.1	Pass
				RB50#0	4.70	13	11.2	Pass
			16-QAM	RB1#0	4.84	13	11.3	Pass
				RB50#0	5.68	13	11.4	Pass
		MCH	QPSK	RB1#0	4.12	13	11.5	Pass
				RB50#0	4.70	13	11.6	Pass
			16-QAM	RB1#0	4.99	13	11.7	Pass
				RB50#0	5.71	13	11.8	Pass
		HCH	QPSK	RB1#0	4.20	13	11.9	Pass
				RB50#0	4.14	13	11.10	Pass
			16-QAM	RB1#0	5.07	13	11.11	Pass
				RB50#0	5.25	13	11.12	Pass
LTE Band 13	10 MHz	MCH	QPSK	RB1#0	4.35	13	12.1	Pass
				RB50#0	4.81	13	12.2	Pass
			16-QAM	RB1#0	5.19	13	12.3	Pass
				RB50#0	5.83	13	12.4	Pass
LTE Band 17	10 MHz	LCH	QPSK	RB1#0	4.14	13	13.1	Pass
				RB50#0	4.75	13	13.2	Pass
			16-QAM	RB1#0	5.01	13	13.3	Pass
				RB50#0	5.77	13	13.4	Pass
		MCH	QPSK	RB1#0	4.26	13	13.5	Pass
				RB50#0	4.61	13	13.6	Pass
			16-QAM	RB1#0	5.07	13	13.7	Pass
				RB50#0	5.71	13	13.8	Pass
		HCH	QPSK	RB1#0	4.26	13	13.9	Pass
				RB50#0	4.52	13	13.10	Pass
			16-QAM	RB1#0	5.16	13	13.11	Pass
				RB50#0	5.62	13	13.12	Pass
LTE Band 25	20 MHz	LCH	QPSK	RB1#0	3.77	13	14.1	Pass
				RB100#0	4.75	13	14.2	Pass
			16-QAM	RB1#0	4.52	13	14.3	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Peak to Average Ratio (dB)	Limit (dB)	Refer to Plot[Note2]	Verdict
				RB100#0	5.71	13	14.4	Pass
		MCH	QPSK	RB1#0	4.52	13	14.5	Pass
				RB100#0	4.26	13	14.6	Pass
			16-QAM	RB1#0	5.62	13	14.7	Pass
				RB100#0	5.30	13	14.8	Pass
		HCH	QPSK	RB1#0	4.09	13	14.9	Pass
				RB100#0	4.52	13	14.10	Pass
			16-QAM	RB1#0	4.84	13	14.11	Pass
				RB100#0	5.62	13	14.12	Pass
LTE Band 41	20 MHz	LCH	QPSK	RB1#0	8.41	13	15.1	Pass
				RB100#0	9.13	13	15.2	Pass
			16-QAM	RB1#0	9.01	13	15.3	Pass
				RB100#0	10.2	13	15.4	Pass
		MCH	QPSK	RB1#0	8.52	13	15.5	Pass
				RB100#0	8.87	13	15.6	Pass
			16-QAM	RB1#0	10.00	13	15.7	Pass
				RB100#0	9.74	13	15.8	Pass
		HCH	QPSK	RB1#0	8.84	13	15.9	Pass
				RB100#0	9.22	13	15.10	Pass
			16-QAM	RB1#0	9.74	13	15.11	Pass
				RB100#0	9.94	13	15.12	Pass

A.3 Occupied Bandwidth

Note 1: All modes were tested, but only the typical data were reported in this report.

Note 2: Test plots please refer to the document “Annex No.:BL-EC1840167-501 Data Part 2.pdf”.

GSM, CDMA and WCDMA Mode Test Data

Test Band	Test Channel	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
GSM 850	LCH	0.24	0.31	1.1
	MCH	0.25	0.31	1.2
	HCH	0.25	0.31	1.3
GSM 1900	LCH	0.24	0.31	2.1
	MCH	0.24	0.31	2.2
	HCH	0.24	0.30	2.3
EGPRS 850	LCH	0.24	0.31	3.1
	MCH	0.24	0.31	3.2
	HCH	0.24	0.31	3.3
EGPRS 1900	LCH	0.25	0.31	4.1
	MCH	0.25	0.31	4.2
	HCH	0.25	0.30	4.3
CDMA BC0	LCH	1.27	1.43	5.1
	MCH	1.27	1.43	5.2
	HCH	1.28	1.45	5.3
EVDO BC0	LCH	1.27	1.43	6.1
	MCH	1.27	1.43	6.2
	HCH	1.27	1.44	6.3
WCDMA Band 2	LCH	4.11	4.70	7.1
	MCH	4.11	4.69	7.2
	HCH	4.10	4.69	7.3
WCDMA Band 5	LCH	4.10	4.66	8.1
	MCH	4.10	4.67	8.2
	HCH	4.10	4.68	8.3
DC-HSUPA_Band2	LCH	8.73	9.67	9.1
	MCH	8.76	9.65	9.2
	HCH	8.72	9.67	9.3
DC-HSUPA_Band5	LCH	8.71	9.68	10.1
	MCH	8.73	9.69	10.2
	HCH	8.68	9.66	10.3

LTE Mode Test Data

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 2	1.4 MHz	LCH	QPSK	RB6#0	1.08	1.30	11.1
			16-QAM	RB6#0	1.08	1.33	11.2
		MCH	QPSK	RB6#0	1.23	1.40	11.3
			16-QAM	RB6#0	1.07	1.25	11.4
		HCH	QPSK	RB6#0	1.08	1.24	11.5
			16-QAM	RB6#0	1.07	1.24	11.6
	3 MHz	LCH	QPSK	RB15#0	2.68	2.92	11.7
			16-QAM	RB15#0	2.68	2.95	11.8
		MCH	QPSK	RB15#0	2.68	2.91	11.9
			16-QAM	RB15#0	2.68	2.94	11.10
		HCH	QPSK	RB15#0	2.68	2.93	11.11
			16-QAM	RB15#0	2.68	2.91	11.12
	5 MHz	LCH	QPSK	RB25#0	4.47	4.93	11.13
			16-QAM	RB25#0	4.46	4.86	11.14
		MCH	QPSK	RB25#0	4.45	4.91	11.15
			16-QAM	RB25#0	4.47	4.91	11.16
		HCH	QPSK	RB25#0	4.45	4.90	11.17
			16-QAM	RB25#0	4.46	4.89	11.18
	10 MHz	LCH	QPSK	RB50#0	8.93	9.74	11.19
			16-QAM	RB50#0	8.93	9.63	11.20
		MCH	QPSK	RB50#0	8.91	9.56	11.21
			16-QAM	RB50#0	8.9	9.68	11.22
		HCH	QPSK	RB50#0	8.91	9.62	11.23
			16-QAM	RB50#0	8.91	9.62	11.24
	15 MHz	LCH	QPSK	RB75#0	13.38	14.40	11.25
			16-QAM	RB75#0	13.38	14.37	11.26
		MCH	QPSK	RB75#0	13.32	14.34	11.27
			16-QAM	RB75#0	13.34	14.31	11.28
		HCH	QPSK	RB75#0	13.35	14.38	11.29
			16-QAM	RB75#0	13.35	14.29	11.30
	20 MHz	LCH	QPSK	RB100#0	17.84	19.23	11.31
			16-QAM	RB100#0	17.82	19.18	11.32
		MCH	QPSK	RB100#0	17.74	18.90	11.33
			16-QAM	RB100#0	17.76	18.87	11.34
		HCH	QPSK	RB100#0	17.82	19.10	11.35
			16-QAM	RB100#0	17.84	19.27	11.36

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 4	1.4 MHz	LCH	QPSK	RB6#0	1.07	1.24	12.1
			16-QAM	RB6#0	1.07	1.25	12.2
		MCH	QPSK	RB6#0	1.08	1.26	12.3
			16-QAM	RB6#0	1.08	1.22	12.4
		HCH	QPSK	RB6#0	1.08	1.25	12.5
			16-QAM	RB6#0	1.08	1.23	12.6
	3 MHz	LCH	QPSK	RB15#0	2.68	2.92	12.7
			16-QAM	RB15#0	2.67	2.94	12.8
		MCH	QPSK	RB15#0	2.68	2.91	12.9
			16-QAM	RB15#0	2.68	2.92	12.10
		HCH	QPSK	RB15#0	2.68	2.94	12.11
			16-QAM	RB15#0	2.68	2.93	12.12
	5 MHz	LCH	QPSK	RB25#0	4.47	4.89	12.13
			16-QAM	RB25#0	4.46	4.86	12.14
		MCH	QPSK	RB25#0	4.46	4.89	12.15
			16-QAM	RB25#0	4.47	4.91	12.16
		HCH	QPSK	RB25#0	4.45	4.9	12.17
			16-QAM	RB25#0	4.46	4.92	12.18
	10 MHz	LCH	QPSK	RB50#0	8.92	9.75	12.19
			16-QAM	RB50#0	8.91	9.6	12.20
		MCH	QPSK	RB50#0	8.93	9.71	12.21
			16-QAM	RB50#0	8.92	9.62	12.22
		HCH	QPSK	RB50#0	8.91	9.61	12.23
			16-QAM	RB50#0	8.92	9.66	12.24
	15 MHz	LCH	QPSK	RB75#0	13.36	14.43	12.25
			16-QAM	RB75#0	13.33	15.21	12.26
		MCH	QPSK	RB75#0	13.35	14.42	12.27
			16-QAM	RB75#0	13.36	14.34	12.28
		HCH	QPSK	RB75#0	13.33	14.38	12.29
			16-QAM	RB75#0	13.36	14.41	12.30
	20 MHz	LCH	QPSK	RB100#0	17.77	19.05	12.31
			16-QAM	RB100#0	17.81	19.01	12.32
		MCH	QPSK	RB100#0	17.81	19.08	12.33
			16-QAM	RB100#0	17.83	19.12	12.34
		HCH	QPSK	RB100#0	17.80	19.15	12.35
			16-QAM	RB100#0	17.80	18.98	12.36

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 5	1.4 MHz	LCH	QPSK	RB6#0	1.07	1.22	13.1
			16-QAM	RB6#0	1.07	1.24	13.2
		MCH	QPSK	RB6#0	1.07	1.23	13.3
			16-QAM	RB6#0	1.08	1.22	13.4
		HCH	QPSK	RB6#0	1.08	1.22	13.5
			16-QAM	RB6#0	1.08	1.24	13.6
	3 MHz	LCH	QPSK	RB15#0	2.68	2.92	13.7
			16-QAM	RB15#0	2.67	2.89	13.8
		MCH	QPSK	RB15#0	2.68	2.91	13.9
			16-QAM	RB15#0	2.68	2.92	13.10
		HCH	QPSK	RB15#0	2.68	2.92	13.11
			16-QAM	RB15#0	2.67	2.91	13.12
	5 MHz	LCH	QPSK	RB25#0	4.45	4.85	13.13
			16-QAM	RB25#0	4.46	4.90	13.14
		MCH	QPSK	RB25#0	4.47	4.90	13.15
			16-QAM	RB25#0	4.45	4.89	13.16
		HCH	QPSK	RB25#0	4.46	4.90	13.17
			16-QAM	RB25#0	4.46	4.91	13.18
	10 MHz	LCH	QPSK	RB50#0	8.93	9.73	13.19
			16-QAM	RB50#0	8.91	9.55	13.20
		MCH	QPSK	RB50#0	8.91	9.68	13.21
			16-QAM	RB50#0	8.91	9.62	13.22
		HCH	QPSK	RB50#0	8.91	9.64	13.23
			16-QAM	RB50#0	8.91	9.56	13.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 7	5 MHz	LCH	QPSK	RB25#0	4.46	4.90	14.1
			16-QAM	RB25#0	4.46	4.91	14.2
		MCH	QPSK	RB25#0	4.46	4.85	14.3
			16-QAM	RB25#0	4.46	4.92	14.4
		HCH	QPSK	RB25#0	4.46	4.90	14.5
			16-QAM	RB25#0	4.46	4.86	14.6
	10 MHz	LCH	QPSK	RB50#0	8.93	9.70	14.7
			16-QAM	RB50#0	8.91	9.63	14.8
		MCH	QPSK	RB50#0	8.91	9.62	14.9
			16-QAM	RB50#0	8.91	9.68	14.10
		HCH	QPSK	RB50#0	8.92	9.65	14.11
			16-QAM	RB50#0	8.92	9.67	14.12
	15 MHz	LCH	QPSK	RB75#0	13.36	14.47	14.13
			16-QAM	RB75#0	13.38	14.38	14.14
		MCH	QPSK	RB75#0	13.36	14.32	14.15
			16-QAM	RB75#0	13.37	14.43	14.16
		HCH	QPSK	RB75#0	13.34	14.37	14.17
			16-QAM	RB75#0	13.34	14.32	14.18
	20 MHz	LCH	QPSK	RB100#0	17.83	18.98	14.19
			16-QAM	RB100#0	17.84	19.10	14.20
		MCH	QPSK	RB100#0	17.82	19.14	14.21
			16-QAM	RB100#0	17.82	19.24	14.22
		HCH	QPSK	RB100#0	17.77	19.19	14.23
			16-QAM	RB100#0	17.74	19.03	14.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 12	1.4 MHz	LCH	QPSK	RB6#0	1.07	1.27	15.1
			16-QAM	RB6#0	1.07	1.26	15.2
		MCH	QPSK	RB6#0	1.08	1.26	15.3
			16-QAM	RB6#0	1.08	1.22	15.4
		HCH	QPSK	RB6#0	1.08	1.25	15.5
			16-QAM	RB6#0	1.08	1.24	15.6
	3 MHz	LCH	QPSK	RB15#0	2.67	2.92	15.7
			16-QAM	RB15#0	2.67	2.90	15.8
		MCH	QPSK	RB15#0	2.68	2.92	15.9
			16-QAM	RB15#0	2.68	2.93	15.10
		HCH	QPSK	RB15#0	2.68	2.95	15.11
			16-QAM	RB15#0	2.68	2.92	15.12
	5 MHz	LCH	QPSK	RB25#0	4.46	4.90	15.13
			16-QAM	RB25#0	4.46	4.85	15.14
		MCH	QPSK	RB25#0	4.46	4.88	15.15
			16-QAM	RB25#0	4.46	4.89	15.16
		HCH	QPSK	RB25#0	4.46	4.89	15.17
			16-QAM	RB25#0	4.46	4.88	15.18
	10 MHz	LCH	QPSK	RB50#0	8.93	9.76	15.19
			16-QAM	RB50#0	8.93	9.66	15.20
		MCH	QPSK	RB50#0	8.92	9.65	15.21
			16-QAM	RB50#0	8.92	9.69	15.22
		HCH	QPSK	RB50#0	8.89	9.61	15.23
			16-QAM	RB50#0	8.89	9.51	15.24

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 13	5 MHz	LCH	QPSK	RB25#0	4.46	4.88	16.1
			16-QAM	RB25#0	4.46	4.85	16.2
		MCH	QPSK	RB25#0	4.46	4.91	16.3
			16-QAM	RB25#0	4.46	4.89	16.4
		HCH	QPSK	RB25#0	4.45	4.86	16.5
			16-QAM	RB25#0	4.46	4.91	16.6
	10 MHz	MCH	QPSK	RB50#0	8.92	9.71	16.7
			16-QAM	RB50#0	8.92	9.66	16.8

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 17	5 MHz	LCH	QPSK	RB25#0	4.47	4.94	17.1
			16-QAM	RB25#0	4.46	4.86	17.2
		MCH	QPSK	RB25#0	4.45	4.84	17.3
			16-QAM	RB25#0	4.46	4.89	17.4
		HCH	QPSK	RB25#0	4.46	4.83	17.5
			16-QAM	RB25#0	4.46	4.93	17.6
	10 MHz	LCH	QPSK	RB50#0	8.92	9.61	17.7
			16-QAM	RB50#0	8.91	9.67	17.8
		MCH	QPSK	RB50#0	8.88	9.6	17.9
			16-QAM	RB50#0	8.89	9.54	17.10
		HCH	QPSK	RB50#0	8.89	9.58	17.11
			16-QAM	RB50#0	8.89	9.56	17.12

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 25	1.4 MHz	LCH	QPSK	RB6#0	1.08	1.31	18.1
			16-QAM	RB6#0	1.08	1.27	18.2
		MCH	QPSK	RB6#0	1.07	1.26	18.3
			16-QAM	RB6#0	1.08	1.23	18.4
		HCH	QPSK	RB6#0	1.08	1.24	18.5
			16-QAM	RB6#0	1.08	1.24	18.6
	3 MHz	LCH	QPSK	RB15#0	2.68	2.94	18.7
			16-QAM	RB15#0	2.68	2.94	18.8
		MCH	QPSK	RB15#0	2.68	2.93	18.9
			16-QAM	RB15#0	2.68	2.94	18.10
		HCH	QPSK	RB15#0	2.68	2.93	18.11
			16-QAM	RB15#0	2.68	2.94	18.12
	5 MHz	LCH	QPSK	RB25#0	4.47	4.93	18.13
			16-QAM	RB25#0	4.46	4.90	18.14
		MCH	QPSK	RB25#0	4.46	4.89	18.15
			16-QAM	RB25#0	4.47	4.92	18.16
		HCH	QPSK	RB25#0	4.46	4.89	18.17
			16-QAM	RB25#0	4.47	4.91	18.18
	10 MHz	LCH	QPSK	RB50#0	8.93	9.82	18.19
			16-QAM	RB50#0	8.92	9.68	18.20
		MCH	QPSK	RB50#0	8.91	9.67	18.21
			16-QAM	RB50#0	8.91	9.68	18.22
		HCH	QPSK	RB50#0	8.90	9.57	18.23
			16-QAM	RB50#0	8.90	9.68	18.24
	15 MHz	LCH	QPSK	RB75#0	13.38	14.52	18.25
			16-QAM	RB75#0	13.36	14.44	18.26
		MCH	QPSK	RB75#0	13.31	14.34	18.27
			16-QAM	RB75#0	13.33	14.36	18.28
		HCH	QPSK	RB75#0	13.30	14.34	18.29
			16-QAM	RB75#0	13.30	14.28	18.30
	20 MHz	LCH	QPSK	RB100#0	17.83	19.05	18.31
			16-QAM	RB100#0	17.84	19.17	18.32
		MCH	QPSK	RB100#0	17.75	18.94	18.33
			16-QAM	RB100#0	17.78	18.94	18.34
		HCH	QPSK	RB100#0	17.73	19.03	18.35
			16-QAM	RB100#0	17.71	18.96	18.36

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB (Size#Offset)	Measured 99% Occupied Bandwidth (MHz)	Measured -26 dB Occupied Bandwidth (MHz)	Refer to Plot[Note2]
Band 41	5 MHz	LCH	QPSK	RB25#0	4.47	4.94	19.1
			16-QAM	RB25#0	4.47	5.01	19.2
		MCH	QPSK	RB25#0	4.48	4.86	19.3
			16-QAM	RB25#0	4.47	5.28	19.4
		HCH	QPSK	RB25#0	4.47	4.98	19.5
			16-QAM	RB25#0	4.47	4.94	19.6
	10 MHz	LCH	QPSK	RB50#0	8.94	10.31	19.7
			16-QAM	RB50#0	8.93	9.66	19.8
		MCH	QPSK	RB50#0	8.93	10.19	19.9
			16-QAM	RB50#0	8.92	10.74	19.10
		HCH	QPSK	RB50#0	8.93	10.28	19.11
			16-QAM	RB50#0	8.92	9.89	19.12
	15 MHz	LCH	QPSK	RB75#0	13.39	15.78	19.13
			16-QAM	RB75#0	13.40	16.96	19.14
		MCH	QPSK	RB75#0	13.38	15.45	19.15
			16-QAM	RB75#0	13.40	15.88	19.16
		HCH	QPSK	RB75#0	13.39	15.90	19.17
			16-QAM	RB75#0	13.42	15.67	19.18
	20 MHz	LCH	QPSK	RB100#0	17.86	19.02	19.19
			16-QAM	RB100#0	17.83	19.55	19.20
		MCH	QPSK	RB100#0	17.79	19.08	19.21
			16-QAM	RB100#0	17.84	20.32	19.22
		HCH	QPSK	RB100#0	17.82	19.30	19.23
			16-QAM	RB100#0	17.83	19.23	19.24

A.4 Frequency Stability

GSM 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	21.83	±2060.5	5.68	±2091.5	6.52	±2122	Pass
	-10	12.85		3.49		1.58		
	0	18.47		3.52		0.32		
	10	17.11		3.26		-0.13		
	20	13.72		7.36		2.39		
	25	21.08		4.55		-1.65		
	30	16.47		5.2		-1.16		
	40	13.69		1.55		3		
	50	11.27		4.26		1.23		
	60	26.54		5.26		-2.94		
3.7	+25	20.89		6.23		3.23		
4.2	+25	23.7		6.04		-2.81		

GSM 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	-0.58	±4625.5	-0.13	±4700.0	6.2	±4774.5	Pass
	-10	-2.13		0.06		3.71		
	0	-2.74		-2.62		2.2		
	10	2		1.36		0.71		
	20	0.65		0.39		-6.36		
	25	2.68		-0.1		3.39		
	30	1.65		0.52		1.97		
	40	-3.16		3.71		-0.87		
	50	2.97		-1		0.48		
	60	2.71		3.23		-1.19		
3.7	+25	-0.23		8.07		4.16		
4.2	+25	-0.9		3.2		-0.45		

GPRS 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	18.85	±2060.5	19.86	±2091.5	18.08	±2122	Pass
	-10	18.21		17.4		19.6		
	0	20.99		17.56		19.31		
	10	19.98		18.24		17.43		
	20	17.69		16.27		19.5		
	25	19.44		17.6		17.31		
	30	17.85		14.63		19.69		
	40	18.34		18.27		19.21		
	50	19.44		16.92		17.76		
	60	18.18		16.11		19.37		
3.7	+25	18.27		17.24		18.63		
4.2	+25	19.02		17.56		19.66		

GPRS 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	25.34	±4625.5	14.17	±4700.0	9.3	±4774.5	Pass
	-10	24.12		16.5		11.85		
	0	31.25		6.42		0.39		
	10	32.06		13.5		14.85		
	20	26.96		17.92		12.69		
	25	16.4		22.31		17.95		
	30	30.12		14.4		13.27		
	40	20.47		4.97		-6.62		
	50	29.61		-3.45		5.68		
	60	22.24		9.14		15.95		
3.7	+25	33.13		15.01		-8.94		
4.2	+25	29.15		1.65		32.22		

EGPRS 850

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.2 MHz		MCH 836.6 MHz		HCH 848.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	23.63	±2060.5	21.57	±2091.5	21.66	±2122	Pass
	-10	21.47		20.6		23.31		
	0	19.4		21.86		19.11		
	10	21.5		15.76		24.86		
	20	18.18		22.44		18.34		
	25	21.44		23.28		20.89		
	30	22.02		18.21		19.08		
	40	22.76		21.86		24.86		
	50	22.54		22.02		23.18		
	60	22.18		21.92		23.28		
3.7	+25	23.02		24.12		22.34		
4.2	+25	23.83		23.28		23.47		

EGPRS 1900

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1850.2 MHz		MCH 1880 MHz		HCH 1909.8 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	18.37	±4625.5	25.8	±4700.0	15.21	±4774.5	Pass
	-10	20.31		17.53		8.43		
	0	24.12		16.89		22.12		
	10	25.15		7.3		13.14		
	20	24.12		15.5		25.02		
	25	24.57		17.95		11.95		
	30	29.64		10.72		15.69		
	40	24.41		21.11		24.92		
	50	36.84		18.02		21.76		
	60	35.93		31.03		17.01		
3.7	+25	37.87		14.59		19.05		
4.2	+25	34.8		45.81		29.41		

CDMA BC0

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.70 MHz		MCH 836.52 MHz		HCH 848.31 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	-0.15	±2061.75	1.9	±2091.3	0.22	±2120.775	Pass
	-10	-0.51		1.87		-0.66		
	0	0		-1.54		-0.15		
	10	-0.73		-1.25		0.44		
	20	-2.49		-0.81		0.29		
	25	-1.46		2.05		-1.54		
	30	-1.17		-1.76		1.93		
	40	2.27		1.25		0.59		
	50	0.81		-2.27		-2.86		
	60	-0.37		0.07		1.39		
3.7	+25	0.88		0.59		-2.71		
4.2	+25	0.95		1.46		0.37		

EVDO BC0

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 824.70 MHz		MCH 836.52 MHz		HCH 848.31 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	-2.78	±2061.75	1.03	±2091.3	-4.32	±2120.775	Pass
	-10	-1.16		-0.29		2.56		
	0	1.32		-1.96		-2.49		
	10	-2.05		-4.25		-1.03		
	20	-4.17		-4.86		-1.76		
	25	-1.68		3.15		-2.93		
	30	-2.56		1.83		-4.83		
	40	-1.1		-0.46		-4.96		
	50	-1.98		-0.44		2.12		
	60	-2.34		3.59		-3		
3.7	+25	1.61		-3.48		-2.56		
4.2	+25	-3.66		3.22		-3.37		

WCDMA Band 2

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 1852.4 MHz		MCH 1880 MHz		HCH 1907.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	2.89	±4631	-0.39	±4700	-4.57	±4769	Pass
	-10	3.59		-2.6		-5.93		
	0	2.87		-1.13		-6.12		
	10	3.35		-1.39		-5.63		
	20	2.84		-0.94		-5.39		
	25	2.5		-1.39		-4.91		
	30	2.65		-0.26		-4.73		
	40	3.07		-1.35		-5.41		
	50	3.29		-0.66		-4.73		
	60	3.91		0.31		-4.23		
3.7	+25	2.24		-0.11		-4.04		
4.2	+25	3.28		-1.83		-4.02		

WCDMA Band B5

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH 826.4 MHz		MCH 836.4 MHz		HCH 846.6 MHz		
		Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	Value (Hz)	Limits (Hz)	
3.8	-20	1.32	±2066	-0.11	±2091	-1.52	±2116.5	Pass
	-10	1.1		-0.46		-2.17		
	0	1.22		0.18		-2.2		
	10	1.01		-0.43		-1.72		
	20	1.04		-0.12		-2.98		
	25	1.47		0.03		-2.45		
	30	2.12		0.24		-1.75		
	40	1.43		0.26		-1.85		
	50	1.25		-0.54		-1.95		
	60	1.76		0.01		-2.17		
3.7	+25	1.44		-0.11		-1.92		
4.2	+25	1.23		-0.28		-1.72		

DC-HSUPA Band 2

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH		MCH		HCH		
		Carrier 1	Carrier 2	Carrier 1	Carrier 2	Carrier 1	Carrier 2	
3.8	-20	2.14	-1.37	0.99	-2.58	-3.76	0.04	Pass
	-10	4.79	1.14	0.88	-2.63	-4.13	-0.31	
	0	0.62	-3.06	0.57	-2.98	-3.91	-0.09	
	10	0.41	-3.22	0.32	-3.29	-1.33	2.42	
	20	1.26	-2.37	2.88	-0.77	-2.7	0.99	
	25	4.23	0.54	1.27	-2.48	-4.87	-1.04	
	30	2.71	-1.02	2.08	-1.64	0.88	4.57	
	40	4.61	0.98	1.37	-2.27	-5.49	-1.62	
	50	4.22	0.52	1.44	-2.23	-4.88	-1.12	
	60	3.9	0.32	3.57	-0.02	-2.12	1.84	
3.7	+25	0.97	-2.75	2.49	-1.29	-4.1	-0.23	
4.2	+25	3.28	-0.41	2.5	-1.01	-1.82	1.84	

DC-HSUPA Band B5

Test Conditions		Frequency Deviation						Verdict
Power (VDC)	Temperature (°C)	LCH		MCH		HCH		
		Carrier 1	Carrier 2	Carrier 1	Carrier 2	Carrier 1	Carrier 2	
3.8	-20	2.26	-1.29	0.75	-3.05	-2.06	1.65	Pass
	-10	-0.61	-3.87	1.26	-2.56	-1.99	1.95	
	0	2.95	-0.84	-1.07	-4.63	-1.86	1.65	
	10	-0.36	-3.87	1.42	-2.3	-2.57	1.1	
	20	0.89	-2.99	0.44	-3.16	-2.07	1.64	
	25	1.92	-1.57	0.44	-3.17	-1.77	2.01	
	30	1.18	-2.63	1.37	-2.28	-0.85	3.01	
	40	0.94	-2.72	1.1	-2.55	-1.58	2.14	
	50	-0.44	-4.19	1.33	-2.48	-2.58	1.39	
	60	0.64	-3.08	1.71	-1.92	-1.17	2.55	
3.7	+25	1.5	-2.44	0.39	-3.33	-2.09	1.69	
4.2	+25	0.28	-3.4	2.73	-1.49	-0.38	3.15	

LTE Band 2 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-3.95	±4 700	Pass
	-10	-3.29		
	0	-3.48		
	10	-3.4		
	20	-3.46		
	25	-3.13		
	30	-3.58		
	40	-5.28		
	50	-3.26		
	60	-3.32		
3.7	+25	-3.02		
4.2	+25	-4.13		

LTE Band 2 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1880 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-3.52	±4 700	Pass
	-10	-3.63		
	0	-3.48		
	10	-4.69		
	20	-3.96		
	25	-4.18		
	30	-3.89		
	40	-5.54		
	50	-2.9		
	60	-3.42		
3.7	+25	-4.06		
4.2	+25	-3.09		

LTE Band 4 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	0.74	±4331.25	Pass
	-10	0.72		
	0	0.37		
	10	1.7		
	20	0.07		
	25	0.4		
	30	0.73		
	40	0.2		
	50	0.5		
	60	-0.31		
3.7	+25	0.26		
4.2	+25	-0.26		

LTE Band 4 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1732.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	1.16	±4331.25	Pass
	-10	0.57		
	0	0.87		
	10	0.84		
	20	0.5		
	25	0.07		
	30	0.46		
	40	0.46		
	50	0.44		
	60	-0.03		
3.7	+25	0.44		
4.2	+25	0.07		

LTE Band 5 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-0.31	±2091.25	Pass
	-10	-1.12		
	0	-1.76		
	10	-0.6		
	20	-1.12		
	25	-0.87		
	30	-2.42		
	40	-1.07		
	50	-0.36		
	60	-0.87		
3.7	+25	-1.23		
4.2	+25	-1.36		

LTE Band 5 16QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 836.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.59	±2091.25	Pass
	-10	-1.27		
	0	-1		
	10	-0.72		
	20	-0.76		
	25	-1.67		
	30	-1.89		
	40	-0.46		
	50	-1.36		
	60	-0.94		
3.7	+25	-0.63		
4.2	+25	-1.33		

LTE Band 7 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-5.26	±6337.5	Pass
	-10	-2.23		
	0	-1.83		
	10	-4.63		
	20	-2.89		
	25	-2.29		
	30	-2.06		
	40	-2.62		
	50	-3.16		
	60	-2.96		
3.7	+25	-5.58		
4.2	+25	-2.98		

LTE Band 7 16-QAM 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2535 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-2.75	±6337.5	Pass
	-10	-2.69		
	0	-4.21		
	10	-3.45		
	20	-1.13		
	25	-2.95		
	30	-3.09		
	40	-4.19		
	50	-2.4		
	60	-3.43		
3.7	+25	-0.64		
4.2	+25	-6.35		

LTE Band 12 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-0.29	±1768.75	Pass
	-10	-0.57		
	0	-1.13		
	10	-0.92		
	20	-0.8		
	25	-1.3		
	30	-1.52		
	40	-0.63		
	50	-1.42		
	60	-0.76		
3.7	+25	-0.5		
4.2	+25	-1.67		

LTE Band 12 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 707.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.56	±1768.75	Pass
	-10	-1.23		
	0	-0.36		
	10	-1.67		
	20	-1.44		
	25	-1.49		
	30	-1.14		
	40	-1.52		
	50	-1.47		
	60	-0.94		
3.7	+25	-1.4		
4.2	+25	-1.24		

LTE Band 13 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.29	±1955	Pass
	-10	-1.4		
	0	-1.02		
	10	-0.56		
	20	-1.53		
	25	-0.21		
	30	-0.37		
	40	-1.24		
	50	-1.19		
	60	0.17		
3.7	+25	-0.69		
4.2	+25	-0.8		

LTE Band 13 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 782 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-0.4	±1955	Pass
	-10	-2.02		
	0	-1.43		
	10	-1.1		
	20	-0.4		
	25	-0.16		
	30	-0.9		
	40	-1.42		
	50	-0.83		
	60	-0.69		
3.7	+25	-0.94		
4.2	+25	-1.42		

LTE Band 17 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 710 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-0.09	±1775	Pass
	-10	-0.24		
	0	0.92		
	10	-0.4		
	20	-0.87		
	25	-0.86		
	30	-0.59		
	40	-1.26		
	50	-0.39		
	60	-0.26		
3.7	+25	0.49		
4.2	+25	-0.73		

LTE Band 17 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 710 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-0.37	±1775	Pass
	-10	0.19		
	0	-0.96		
	10	0.03		
	20	-0.51		
	25	-0.14		
	30	0.16		
	40	-0.53		
	50	-0.94		
	60	0.49		
3.7	+25	0.39		
4.2	+25	-0.62		

LTE Band 25 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1822.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	1.03	±4556.25	Pass
	-10	0.07		
	0	0.51		
	10	-1.29		
	20	0.66		
	25	1.24		
	30	0.54		
	40	1.67		
	50	-1		
	60	0.84		
3.7	+25	-0.11		
4.2	+25	0.99		

LTE Band 25 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 1822.5 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	0.51	±4556.25	Pass
	-10	0.41		
	0	-0.84		
	10	-0.4		
	20	2.03		
	25	0.33		
	30	-0.14		
	40	0.26		
	50	-0.24		
	60	0.76		
3.7	+25	0.47		
4.2	+25	1.03		

LTE Band 41 QPSK 10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2350 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	-1.67	±5875	Pass
	-10	-1.02		
	0	-1.43		
	10	-1.22		
	20	0.74		
	25	1.27		
	30	2.2		
	40	-4.06		
	50	2.85		
	60	-1.46		
3.7	+25	-1.52		
4.2	+25	0.74		

LTE Band 41 16QAM10 MHz

Test Conditions		Frequency Deviation		Verdict
Power (VDC)	Temperature (°C)	MCH 2350 MHz		
		Value (Hz)	Limits (Hz)	
3.8	-20	0.04	±5875	Pass
	-10	-3.76		
	0	-4.59		
	10	-3.43		
	20	-1.1		
	25	-0.27		
	30	-0.73		
	40	-3.26		
	50	-1.62		
	60	-1.73		
3.7	+25	-0.8		
4.2	+25	-1		

A.5 Spurious Emission at Antenna Terminals

Note 1: GSM and EGPRS modes have been verified, and only the worst data with different bandwidth for LTE are shown here.

Note 2: The frequencies of verdict which are marked by "N/A" should be ignored because they are UE carrier frequency.

Note 3: Test plots please refer to the document “Annex No.:BL-EC1840167-501 Data Part 3.pdf”.

GSM, CDMA and WCDMA Mode Test Verdict

Test Band	Test Channel	Refer to Plot[Note3]	Verdict
GSM 850	LCH	1.1	Pass
	MCH	1.2	Pass
	HCH	1.3	Pass
GSM 1900	LCH	2.1	Pass
	MCH	2.2	Pass
	HCH	2.3	Pass
EGPRS 850	LCH	3.1	Pass
	MCH	3.2	Pass
	HCH	3.3	Pass
EGPRS 1900	LCH	4.1	Pass
	MCH	4.2	Pass
	HCH	4.3	Pass
CDMA BC0	LCH	5.1	Pass
	MCH	5.2	Pass
	HCH	5.3	Pass
EVDO BC0	LCH	6.1	Pass
	MCH	6.2	Pass
	HCH	6.3	Pass
WCDMA Band 2	LCH	7.1	Pass
	MCH	7.2	Pass
	HCH	7.3	Pass
WCDMA Band 5	LCH	8.1	Pass
	MCH	8.2	Pass
	HCH	8.3	Pass
DC-HSUPA_Band2	LCH	9.1	Pass
	MCH	9.2	Pass
	HCH	9.3	Pass
DC-HSUPA_Band5	LCH	10.1	Pass
	MCH	10.2	Pass
	HCH	10.3	Pass

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note3]	Verdict
Band 2	1.4 MHz	LCH	QPSK	RB1#0	11.1	Pass
			16-QAM	RB1#0	11.2	Pass
		MCH	QPSK	RB1#0	11.3	Pass
			16-QAM	RB1#0	11.4	Pass
		HCH	QPSK	RB1#0	11.5	Pass
			16-QAM	RB1#0	11.6	Pass
	3 MHz	LCH	QPSK	RB1#0	11.7	Pass
			16-QAM	RB1#0	11.8	Pass
		MCH	QPSK	RB1#0	11.9	Pass
			16-QAM	RB1#0	11.10	Pass
		HCH	QPSK	RB1#0	11.11	Pass
			16-QAM	RB1#0	11.12	Pass
	5 MHz	LCH	QPSK	RB1#0	11.13	Pass
			16-QAM	RB1#0	11.14	Pass
		MCH	QPSK	RB1#0	11.15	Pass
			16-QAM	RB1#0	11.16	Pass
		HCH	QPSK	RB1#0	11.17	Pass
			16-QAM	RB1#0	11.18	Pass
	10 MHz	LCH	QPSK	RB1#0	11.19	Pass
			16-QAM	RB1#0	11.20	Pass
		MCH	QPSK	RB1#0	11.21	Pass
			16-QAM	RB1#0	11.22	Pass
		HCH	QPSK	RB1#0	11.23	Pass
			16-QAM	RB1#0	11.24	Pass
	15 MHz	LCH	QPSK	RB1#0	11.25	Pass
			16-QAM	RB1#0	11.26	Pass
		MCH	QPSK	RB1#0	11.27	Pass
			16-QAM	RB1#0	11.28	Pass
		HCH	QPSK	RB1#0	11.29	Pass
			16-QAM	RB1#0	11.30	Pass
	20 MHz	LCH	QPSK	RB1#0	11.31	Pass
			16-QAM	RB1#0	11.32	Pass
		MCH	QPSK	RB1#0	11.33	Pass
			16-QAM	RB1#0	11.34	Pass
		HCH	QPSK	RB1#0	11.35	Pass
			16-QAM	RB1#0	11.36	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note2]	Verdict
Band 4	1.4 MHz	LCH	QPSK	RB1#0	12.1	Pass
			16-QAM	RB1#0	12.2	Pass
		MCH	QPSK	RB1#0	12.3	Pass
			16-QAM	RB1#0	12.4	Pass
		HCH	QPSK	RB1#0	12.5	Pass
			16-QAM	RB1#0	12.6	Pass
	3 MHz	LCH	QPSK	RB1#0	12.7	Pass
			16-QAM	RB1#0	12.8	Pass
		MCH	QPSK	RB1#0	12.9	Pass
			16-QAM	RB1#0	12.10	Pass
		HCH	QPSK	RB1#0	12.11	Pass
			16-QAM	RB1#0	12.12	Pass
	5 MHz	LCH	QPSK	RB1#0	12.13	Pass
			16-QAM	RB1#0	12.14	Pass
		MCH	QPSK	RB1#0	12.15	Pass
			16-QAM	RB1#0	12.16	Pass
		HCH	QPSK	RB1#0	12.17	Pass
			16-QAM	RB1#0	12.18	Pass
	10 MHz	LCH	QPSK	RB1#0	12.19	Pass
			16-QAM	RB1#0	12.20	Pass
		MCH	QPSK	RB1#0	12.21	Pass
			16-QAM	RB1#0	12.22	Pass
		HCH	QPSK	RB1#0	12.23	Pass
			16-QAM	RB1#0	12.24	Pass
	15 MHz	LCH	QPSK	RB1#0	12.25	Pass
			16-QAM	RB1#0	12.26	Pass
		MCH	QPSK	RB1#0	12.27	Pass
			16-QAM	RB1#0	12.28	Pass
		HCH	QPSK	RB1#0	12.29	Pass
			16-QAM	RB1#0	12.30	Pass
	20 MHz	LCH	QPSK	RB1#0	12.31	Pass
			16-QAM	RB1#0	12.32	Pass
		MCH	QPSK	RB1#0	12.33	Pass
			16-QAM	RB1#0	12.34	Pass
		HCH	QPSK	RB1#0	12.35	Pass
			16-QAM	RB1#0	12.36	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note2]	Verdict
Band 5	1.4 MHz	LCH	QPSK	RB1#0	13.1	Pass
			16-QAM	RB1#0	13.2	Pass
		MCH	QPSK	RB1#0	13.3	Pass
			16-QAM	RB1#0	13.4	Pass
		HCH	QPSK	RB1#0	13.5	Pass
			16-QAM	RB1#0	13.6	Pass
	3 MHz	LCH	QPSK	RB1#0	13.7	Pass
			16-QAM	RB1#0	13.8	Pass
		MCH	QPSK	RB1#0	13.9	Pass
			16-QAM	RB1#0	13.10	Pass
		HCH	QPSK	RB1#0	13.11	Pass
			16-QAM	RB1#0	13.12	Pass
	5 MHz	LCH	QPSK	RB1#0	13.13	Pass
			16-QAM	RB1#0	13.14	Pass
		MCH	QPSK	RB1#0	13.15	Pass
			16-QAM	RB1#0	13.16	Pass
		HCH	QPSK	RB1#0	13.17	Pass
			16-QAM	RB1#0	13.18	Pass
	10 MHz	LCH	QPSK	RB1#0	13.19	Pass
			16-QAM	RB1#0	13.20	Pass
		MCH	QPSK	RB1#0	13.21	Pass
			16-QAM	RB1#0	13.22	Pass
		HCH	QPSK	RB1#0	13.23	Pass
			16-QAM	RB1#0	13.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note2]	Verdict
Band 7	5 MHz	LCH	QPSK	RB1#0	14.1	Pass
			16-QAM	RB1#0	14.2	Pass
		MCH	QPSK	RB1#0	14.3	Pass
			16-QAM	RB1#0	14.4	Pass
		HCH	QPSK	RB1#0	14.5	Pass
			16-QAM	RB1#0	14.6	Pass
	10 MHz	LCH	QPSK	RB1#0	14.7	Pass
			16-QAM	RB1#0	14.8	Pass
		MCH	QPSK	RB1#0	14.9	Pass
			16-QAM	RB1#0	14.10	Pass
		HCH	QPSK	RB1#0	14.11	Pass
			16-QAM	RB1#0	14.12	Pass
	15 MHz	LCH	QPSK	RB1#0	14.13	Pass
			16-QAM	RB1#0	14.14	Pass
		MCH	QPSK	RB1#0	14.15	Pass
			16-QAM	RB1#0	14.16	Pass
		HCH	QPSK	RB1#0	14.17	Pass
			16-QAM	RB1#0	14.18	Pass
	20 MHz	LCH	QPSK	RB1#0	14.19	Pass
			16-QAM	RB1#0	14.20	Pass
		MCH	QPSK	RB1#0	14.21	Pass
			16-QAM	RB1#0	14.22	Pass
		HCH	QPSK	RB1#0	14.23	Pass
			16-QAM	RB1#0	14.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note2]	Verdict
Band 12	1.4 MHz	LCH	QPSK	RB1#0	15.1	Pass
			16-QAM	RB1#0	15.2	Pass
		MCH	QPSK	RB1#0	15.3	Pass
			16-QAM	RB1#0	15.4	Pass
		HCH	QPSK	RB1#0	15.5	Pass
			16-QAM	RB1#0	15.6	Pass
	3 MHz	LCH	QPSK	RB1#0	15.7	Pass
			16-QAM	RB1#0	15.8	Pass
		MCH	QPSK	RB1#0	15.9	Pass
			16-QAM	RB1#0	15.10	Pass
		HCH	QPSK	RB1#0	15.11	Pass
			16-QAM	RB1#0	15.12	Pass
	5 MHz	LCH	QPSK	RB1#0	15.13	Pass
			16-QAM	RB1#0	15.14	Pass
		MCH	QPSK	RB1#0	15.15	Pass
			16-QAM	RB1#0	15.16	Pass
		HCH	QPSK	RB1#0	15.17	Pass
			16-QAM	RB1#0	15.18	Pass
	10 MHz	LCH	QPSK	RB1#0	15.19	Pass
			16-QAM	RB1#0	15.20	Pass
		MCH	QPSK	RB1#0	15.21	Pass
			16-QAM	RB1#0	15.22	Pass
		HCH	QPSK	RB1#0	15.23	Pass
			16-QAM	RB1#0	15.24	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note2]	Verdict
Band 13	5 MHz	LCH	QPSK	RB1#0	16.1	Pass
			16-QAM	RB1#0	16.2	Pass
		MCH	QPSK	RB1#0	16.3	Pass
			16-QAM	RB1#0	16.4	Pass
		HCH	QPSK	RB1#0	16.5	Pass
			16-QAM	RB1#0	16.6	Pass
	10 MHz	MCH	QPSK	RB1#0	16.7	Pass
			16-QAM	RB1#0	16.8	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note2]	Verdict
Band 17	5 MHz	LCH	QPSK	RB1#0	17.1	Pass
			16-QAM	RB1#0	17.2	Pass
		MCH	QPSK	RB1#0	17.3	Pass
			16-QAM	RB1#0	17.4	Pass
		HCH	QPSK	RB1#0	17.5	Pass
			16-QAM	RB1#0	17.6	Pass
	10 MHz	LCH	QPSK	RB1#0	17.7	Pass
			16-QAM	RB1#0	17.8	Pass
		MCH	QPSK	RB1#0	17.9	Pass
			16-QAM	RB1#0	17.10	Pass
		HCH	QPSK	RB1#0	17.11	Pass
			16-QAM	RB1#0	17.12	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note2]	Verdict
Band 25	1.4 MHz	LCH	QPSK	RB1#0	18.1	Pass
			16-QAM	RB1#0	18.2	Pass
		MCH	QPSK	RB1#0	18.3	Pass
			16-QAM	RB1#0	18.4	Pass
		HCH	QPSK	RB1#0	18.5	Pass
			16-QAM	RB1#0	18.6	Pass
	3 MHz	LCH	QPSK	RB1#0	18.7	Pass
			16-QAM	RB1#0	18.8	Pass
		MCH	QPSK	RB1#0	18.9	Pass
			16-QAM	RB1#0	18.10	Pass
		HCH	QPSK	RB1#0	18.11	Pass
			16-QAM	RB1#0	18.12	Pass
	5 MHz	LCH	QPSK	RB1#0	18.13	Pass
			16-QAM	RB1#0	18.14	Pass
		MCH	QPSK	RB1#0	18.15	Pass
			16-QAM	RB1#0	18.16	Pass
		HCH	QPSK	RB1#0	18.17	Pass
			16-QAM	RB1#0	18.18	Pass
	10 MHz	LCH	QPSK	RB1#0	18.19	Pass
			16-QAM	RB1#0	18.20	Pass
		MCH	QPSK	RB1#0	18.21	Pass
			16-QAM	RB1#0	18.22	Pass
		HCH	QPSK	RB1#0	18.23	Pass
			16-QAM	RB1#0	18.24	Pass
	15 MHz	LCH	QPSK	RB1#0	18.25	Pass
			16-QAM	RB1#0	18.26	Pass
		MCH	QPSK	RB1#0	18.27	Pass
			16-QAM	RB1#0	18.28	Pass
		HCH	QPSK	RB1#0	18.29	Pass
			16-QAM	RB1#0	18.30	Pass
	20 MHz	LCH	QPSK	RB1#0	18.31	Pass
			16-QAM	RB1#0	18.32	Pass
		MCH	QPSK	RB1#0	18.33	Pass
			16-QAM	RB1#0	18.34	Pass
		HCH	QPSK	RB1#0	18.35	Pass
			16-QAM	RB1#0	18.36	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note2]	Verdict
Band 41	5 MHz	LCH	QPSK	RB1#0	19.1	Pass
			16-QAM	RB1#0	19.2	Pass
		MCH	QPSK	RB1#0	19.3	Pass
			16-QAM	RB1#0	19.4	Pass
		HCH	QPSK	RB1#0	19.5	Pass
			16-QAM	RB1#0	19.6	Pass
	10 MHz	LCH	QPSK	RB1#0	19.7	Pass
			16-QAM	RB1#0	19.8	Pass
		MCH	QPSK	RB1#0	19.9	Pass
			16-QAM	RB1#0	19.10	Pass
		HCH	QPSK	RB1#0	19.11	Pass
			16-QAM	RB1#0	19.12	Pass
	15 MHz	LCH	QPSK	RB1#0	19.13	Pass
			16-QAM	RB1#0	19.14	Pass
		MCH	QPSK	RB1#0	19.15	Pass
			16-QAM	RB1#0	19.16	Pass
		HCH	QPSK	RB1#0	19.17	Pass
			16-QAM	RB1#0	19.18	Pass
	20 MHz	LCH	QPSK	RB1#0	19.19	Pass
			16-QAM	RB1#0	19.20	Pass
		MCH	QPSK	RB1#0	19.21	Pass
			16-QAM	RB1#0	19.22	Pass
		HCH	QPSK	RB1#0	19.23	Pass
			16-QAM	RB1#0	19.24	Pass

A.6 Band Edge

Note 1: Test plots please refer to the document “Annex No.:BL-EC1840167-501 Data Part 4.pdf”.

GSM, CDMA and WCDMA Mode Test Verdict

Test Band	Test Channel	Refer to Plot[Note1]	Verdict
GSM 850	LCH	1.1	Pass
	HCH	1.2	Pass
GSM 1900	LCH	2.1	Pass
	HCH	2.2	Pass
EGPRS 850	LCH	3.1	Pass
	HCH	3.2	Pass
EGPRS 1900	LCH	4.1	Pass
	HCH	4.2	Pass
CDMA BC0	LCH	5.1	Pass
	HCH	5.2	Pass
EVDO BC0	LCH	6.1	Pass
	HCH	6.2	Pass
WCDMA Band 2	LCH	7.1	Pass
	HCH	7.2	Pass
WCDMA Band 5	LCH	8.1	Pass
	HCH	8.2	Pass
DC-HSUPA_Band2	LCH	9.1	Pass
	HCH	9.2	Pass
DC-HSUPA_Band5	LCH	10.1	Pass
	HCH	10.2	Pass

LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 2	1.4 MHz	LCH	QPSK	RB1#0	11.1	Pass
				RB6#0	11.2	Pass
			16-QAM	RB1#0	11.3	Pass
				RB6#0	11.4	Pass
		HCH	QPSK	RB1#5	11.5	Pass
				RB6#0	11.6	Pass
			16-QAM	RB1#5	11.7	Pass
				RB6#0	11.8	Pass
	3 MHz	LCH	QPSK	RB1#0	11.9	Pass
				RB15#0	11.10	Pass
			16-QAM	RB1#0	11.11	Pass
				RB15#0	11.12	Pass
		HCH	QPSK	RB1#14	11.13	Pass
				RB15#0	11.14	Pass
			16-QAM	RB1#14	11.15	Pass
				RB15#0	11.16	Pass
	5 MHz	LCH	QPSK	RB1#0	11.17	Pass
				RB25#0	11.18	Pass
			16-QAM	RB1#0	11.19	Pass
				RB25#0	11.20	Pass
		HCH	QPSK	RB1#24	11.21	Pass
				RB25#0	11.22	Pass
			16-QAM	RB1#24	11.23	Pass
				RB25#0	11.24	Pass
	10 MHz	LCH	QPSK	RB1#0	11.25	Pass
				RB50#0	11.26	Pass
			16-QAM	RB1#0	11.27	Pass
				RB50#0	11.28	Pass
		HCH	QPSK	RB1#49	11.29	Pass
				RB50#0	11.30	Pass
			16-QAM	RB1#49	11.31	Pass
				RB50#0	11.32	Pass
	15 MHz	LCH	QPSK	RB1#0	11.33	Pass
				RB75#0	11.34	Pass
			16-QAM	RB1#0	11.35	Pass
				RB75#0	11.36	Pass
		HCH	QPSK	RB1#74	11.37	Pass
				RB75#0	11.38	Pass
			16-QAM	RB1#74	11.39	Pass
				RB75#0	11.40	Pass
	20 MHz	LCH	QPSK	RB1#0	11.41	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
				RB100#0	11.42	Pass
			16-QAM	RB1#0	11.43	Pass
				RB100#0	11.44	Pass
		HCH	QPSK	RB1#99	11.45	Pass
				RB100#0	11.46	Pass
			16-QAM	RB1#99	11.47	Pass
				RB100#0	11.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 4	1.4 MHz	LCH	QPSK	RB1#0	12.1	Pass
				RB6#0	12.2	Pass
			16-QAM	RB1#0	12.3	Pass
				RB6#0	12.4	Pass
		HCH	QPSK	RB1#5	12.5	Pass
				RB6#0	12.6	Pass
			16-QAM	RB1#5	12.7	Pass
				RB6#0	12.8	Pass
	3 MHz	LCH	QPSK	RB1#0	12.9	Pass
				RB15#0	12.10	Pass
			16-QAM	RB1#0	12.11	Pass
				RB15#0	12.12	Pass
		HCH	QPSK	RB1#14	12.13	Pass
				RB15#0	12.14	Pass
			16-QAM	RB1#14	12.15	Pass
				RB15#0	12.16	Pass
	5 MHz	LCH	QPSK	RB1#0	12.17	Pass
				RB25#0	12.18	Pass
			16-QAM	RB1#0	12.19	Pass
				RB25#0	12.20	Pass
		HCH	QPSK	RB1#24	12.21	Pass
				RB25#0	12.22	Pass
			16-QAM	RB1#24	12.23	Pass
				RB25#0	12.24	Pass
	10 MHz	LCH	QPSK	RB1#0	12.25	Pass
				RB50#0	12.26	Pass
			16-QAM	RB1#0	12.27	Pass
				RB50#0	12.28	Pass
		HCH	QPSK	RB1#49	12.29	Pass
				RB50#0	12.30	Pass
			16-QAM	RB1#49	12.31	Pass
				RB50#0	12.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
	15 MHz	LCH	QPSK	RB1#0	12.33	Pass
				RB75#0	12.34	Pass
			16-QAM	RB1#0	12.35	Pass
				RB75#0	12.36	Pass
		HCH	QPSK	RB1#74	12.37	Pass
				RB75#0	12.38	Pass
			16-QAM	RB1#74	12.39	Pass
				RB75#0	12.40	Pass
	20 MHz	LCH	QPSK	RB1#0	12.41	Pass
				RB100#0	12.42	Pass
			16-QAM	RB1#0	12.43	Pass
				RB100#0	12.44	Pass
		HCH	QPSK	RB1#99	12.45	Pass
				RB100#0	12.46	Pass
			16-QAM	RB1#99	12.47	Pass
				RB100#0	12.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 5	1.4 MHz	LCH	QPSK	RB1#0	13.1	Pass
				RB6#0	13.2	Pass
			16-QAM	RB1#0	13.3	Pass
				RB6#0	13.4	Pass
		HCH	QPSK	RB1#5	13.5	Pass
				RB6#0	13.6	Pass
			16-QAM	RB1#5	13.7	Pass
				RB6#0	13.8	Pass
	3 MHz	LCH	QPSK	RB1#0	13.9	Pass
				RB15#0	13.10	Pass
			16-QAM	RB1#0	13.11	Pass
				RB15#0	13.12	Pass
		HCH	QPSK	RB1#14	13.13	Pass
				RB15#0	13.14	Pass
			16-QAM	RB1#14	13.15	Pass
				RB15#0	13.16	Pass
	5 MHz	LCH	QPSK	RB1#0	13.17	Pass
				RB25#0	13.18	Pass
			16-QAM	RB1#0	13.19	Pass
				RB25#0	13.20	Pass
		HCH	QPSK	RB1#24	13.21	Pass
				RB25#0	13.22	Pass
			16-QAM	RB1#24	13.23	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
				RB25#0	13.24	Pass
	10 MHz	LCH	QPSK	RB1#0	13.25	Pass
				RB50#0	13.26	Pass
			16-QAM	RB1#0	13.27	Pass
				RB50#0	13.28	Pass
		HCH	QPSK	RB1#49	13.29	Pass
				RB50#0	13.30	Pass
			16-QAM	RB1#49	13.31	Pass
				RB50#0	13.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 7	5 MHz	LCH	QPSK	RB1#0	14.1	Pass
				RB25#0	14.2	Pass
			16-QAM	RB1#0	14.3	Pass
				RB25#0	14.4	Pass
		HCH	QPSK	RB1#24	14.5	Pass
				RB25#0	14.6	Pass
			16-QAM	RB1#24	14.7	Pass
				RB25#0	14.8	Pass
	10 MHz	LCH	QPSK	RB1#0	14.9	Pass
				RB50#0	14.10	Pass
			16-QAM	RB1#0	14.11	Pass
				RB50#0	14.12	Pass
		HCH	QPSK	RB1#49	14.13	Pass
				RB50#0	14.14	Pass
			16-QAM	RB1#49	14.15	Pass
				RB50#0	14.16	Pass
	15 MHz	LCH	QPSK	RB1#0	14.17	Pass
				RB75#0	14.18	Pass
			16-QAM	RB1#0	14.19	Pass
				RB75#0	14.20	Pass
		HCH	QPSK	RB1#74	14.21	Pass
				RB75#0	14.22	Pass
			16-QAM	RB1#74	14.23	Pass
				RB75#0	14.24	Pass
	20 MHz	LCH	QPSK	RB1#0	14.25	Pass
				RB100#0	14.26	Pass
			16-QAM	RB1#0	14.27	Pass
				RB100#0	14.28	Pass
		HCH	QPSK	RB1#99	14.29	Pass
				RB100#0	14.30	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
			16-QAM	RB1#99	14.31	Pass
				RB100#0	14.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 12	1.4 MHz	LCH	QPSK	RB1#0	15.1	Pass
				RB6#0	15.2	Pass
			16-QAM	RB1#0	15.3	Pass
				RB6#0	15.4	Pass
		HCH	QPSK	RB1#5	15.5	Pass
				RB6#0	15.6	Pass
			16-QAM	RB1#5	15.7	Pass
				RB6#0	15.8	Pass
	3 MHz	LCH	QPSK	RB1#0	15.9	Pass
				RB15#0	15.10	Pass
			16-QAM	RB1#0	15.11	Pass
				RB15#0	15.12	Pass
		HCH	QPSK	RB1#14	15.13	Pass
				RB15#0	15.14	Pass
			16-QAM	RB1#14	15.15	Pass
				RB15#0	15.16	Pass
	5 MHz	LCH	QPSK	RB1#0	15.17	Pass
				RB25#0	15.18	Pass
			16-QAM	RB1#0	15.19	Pass
				RB25#0	15.20	Pass
		HCH	QPSK	RB1#24	15.21	Pass
				RB25#0	15.22	Pass
			16-QAM	RB1#24	15.23	Pass
				RB25#0	15.24	Pass
	10 MHz	LCH	QPSK	RB1#0	15.25	Pass
				RB50#0	15.26	Pass
			16-QAM	RB1#0	15.27	Pass
				RB50#0	15.28	Pass
		HCH	QPSK	RB1#49	15.29	Pass
				RB50#0	15.30	Pass
			16-QAM	RB1#49	15.31	Pass
				RB50#0	15.32	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 13	5 MHz	LCH	QPSK	RB1#0	16.1	Pass
				RB25#0	16.2	Pass
			16-QAM	RB1#0	16.3	Pass
				RB25#0	16.4	Pass
		HCH	QPSK	RB1#24	16.5	Pass
				RB25#0	16.6	Pass
			16-QAM	RB1#24	16.7	Pass
				RB25#0	16.8	Pass
	10 MHz	MCH (left)	QPSK	RB1#0	16.9	Pass
				RB50#0	16.10	Pass
			16-QAM	RB1#0	16.11	Pass
				RB50#0	16.12	Pass
		MCH (right)	QPSK	RB1#49	16.13	Pass
				RB50#0	16.14	Pass
			16-QAM	RB1#49	16.15	Pass
				RB50#0	16.16	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 17	5 MHz	LCH	QPSK	RB1#0	17.1	Pass
				RB25#0	17.2	Pass
			16-QAM	RB1#0	17.3	Pass
				RB25#0	17.4	Pass
		HCH	QPSK	RB1#24	17.5	Pass
				RB25#0	17.6	Pass
			16-QAM	RB1#24	17.7	Pass
				RB25#0	17.8	Pass
	10 MHz	LCH	QPSK	RB1#0	17.9	Pass
				RB50#0	17.10	Pass
			16-QAM	RB1#0	17.11	Pass
				RB50#0	17.12	Pass
		HCH	QPSK	RB1#49	17.13	Pass
				RB50#0	17.14	Pass
			16-QAM	RB1#49	17.15	Pass
				RB50#0	17.16	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 25	1.4 MHz	LCH	QPSK	RB1#0	18.1	Pass
				RB6#0	18.2	Pass
			16-QAM	RB1#0	18.3	Pass
				RB6#0	18.4	Pass
		HCH	QPSK	RB1#5	18.5	Pass
				RB6#0	18.6	Pass
			16-QAM	RB1#5	18.7	Pass
				RB6#0	18.8	Pass
	3 MHz	LCH	QPSK	RB1#0	18.9	Pass
				RB15#0	18.10	Pass
			16-QAM	RB1#0	18.11	Pass
				RB15#0	18.12	Pass
		HCH	QPSK	RB1#14	18.13	Pass
				RB15#0	18.14	Pass
			16-QAM	RB1#14	18.15	Pass
				RB15#0	18.16	Pass
	5 MHz	LCH	QPSK	RB1#0	18.17	Pass
				RB25#0	18.18	Pass
			16-QAM	RB1#0	18.19	Pass
				RB25#0	18.20	Pass
		HCH	QPSK	RB1#24	18.21	Pass
				RB25#0	18.22	Pass
			16-QAM	RB1#24	18.23	Pass
				RB25#0	18.24	Pass
	10 MHz	LCH	QPSK	RB1#0	18.25	Pass
				RB50#0	18.26	Pass
			16-QAM	RB1#0	18.27	Pass
				RB50#0	18.28	Pass
		HCH	QPSK	RB1#49	18.29	Pass
				RB50#0	18.30	Pass
			16-QAM	RB1#49	18.31	Pass
				RB50#0	18.32	Pass
	15 MHz	LCH	QPSK	RB1#0	18.33	Pass
				RB75#0	18.34	Pass
			16-QAM	RB1#0	18.35	Pass
				RB75#0	18.36	Pass
		HCH	QPSK	RB1#74	18.37	Pass
				RB75#0	18.38	Pass
			16-QAM	RB1#74	18.39	Pass
				RB75#0	18.40	Pass
	20 MHz	LCH	QPSK	RB1#0	18.41	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
				RB100#0	18.42	Pass
			16-QAM	RB1#0	18.43	Pass
				RB100#0	18.44	Pass
		HCH	QPSK	RB1#99	18.45	Pass
				RB100#0	18.46	Pass
			16-QAM	RB1#99	18.47	Pass
				RB100#0	18.48	Pass

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note1]	Verdict
Band 41	5 MHz	LCH	QPSK	RB1#0	19.1	Pass
				RB25#0	19.2	Pass
			16-QAM	RB1#0	19.3	Pass
				RB25#0	19.4	Pass
		HCH	QPSK	RB1#24	19.5	Pass
				RB25#0	19.6	Pass
			16-QAM	RB1#24	19.7	Pass
				RB25#0	19.8	Pass
	10 MHz	LCH	QPSK	RB1#0	19.9	Pass
				RB50#0	19.10	Pass
			16-QAM	RB1#0	19.11	Pass
				RB50#0	19.12	Pass
		HCH	QPSK	RB1#49	19.13	Pass
				RB50#0	19.14	Pass
			16-QAM	RB1#49	19.15	Pass
				RB50#0	19.16	Pass
	15 MHz	LCH	QPSK	RB1#0	19.17	Pass
				RB75#0	19.18	Pass
			16-QAM	RB1#0	19.19	Pass
				RB75#0	19.20	Pass
		HCH	QPSK	RB1#74	19.21	Pass
				RB75#0	19.22	Pass
			16-QAM	RB1#74	19.23	Pass
				RB75#0	19.24	Pass
	20 MHz	LCH	QPSK	RB1#0	19.25	Pass
				RB100#0	19.26	Pass
			16-QAM	RB1#0	19.27	Pass
				RB100#0	19.28	Pass
		HCH	QPSK	RB1#99	19.29	Pass
				RB100#0	19.30	Pass
			16-QAM	RB1#99	19.31	Pass
				RB100#0	19.32	Pass

A.7 Field Strength of Spurious Radiation

Note 1: GSM and EGPRS modes have been verified, only the worst data with different transmit bandwidth for LTE are shown here.

Note 2: The frequencies of verdict which are marked by "N/A" should be ignored because they are UE carrier frequency.

Note 3: Test plots please refer to the document “Annex No.:BL-EC1840167-501 Data Part 5.pdf”.

GSM, CDMA and WCDMA Mode Test Verdict

Test Band	Test Channel	Refer to Plot[Note3]	Verdict
GSM 850	LCH	1.1	Pass
	MCH	1.2	Pass
	HCH	1.3	Pass
GSM 1900	LCH	2.1	Pass
	MCH	2.2	Pass
	HCH	2.3	Pass
EGPRS 850	LCH	3.1	Pass
	MCH	3.2	Pass
	HCH	3.3	Pass
EGPRS 1900	LCH	4.1	Pass
	MCH	4.2	Pass
	HCH	4.3	Pass
CDMA BC0	LCH	5.1	Pass
	MCH	5.2	Pass
	HCH	5.3	Pass
EVDO BC0	LCH	6.1	Pass
	MCH	6.2	Pass
	HCH	6.3	Pass
WCDMA Band 2	LCH	7.1	Pass
	MCH	7.2	Pass
	HCH	7.3	Pass
WCDMA Band 5	LCH	8.1	Pass
	MCH	8.2	Pass
	HCH	8.3	Pass
DC-HSUPA_Band2	LCH	9.1	Pass
	MCH	9.2	Pass
	HCH	9.3	Pass
DC-HSUPA_Band5	LCH	10.1	Pass
	MCH	10.2	Pass
	HCH	10.3	Pass

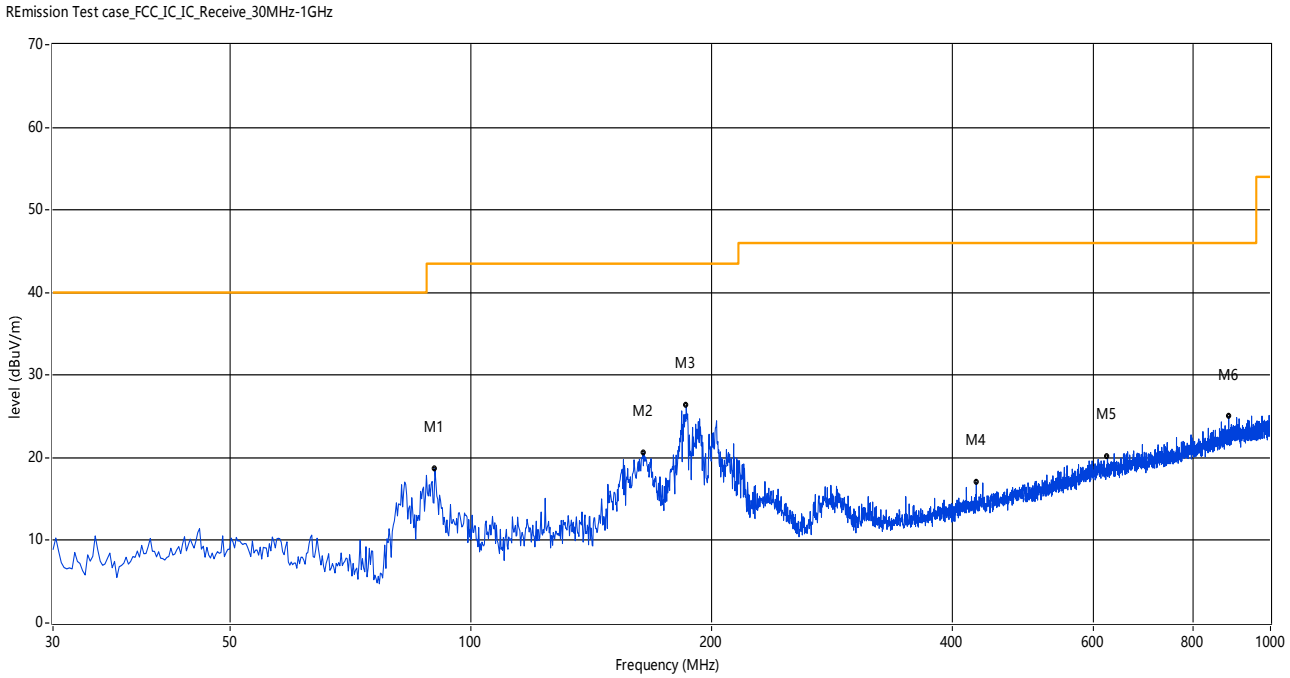
LTE Mode Test Verdict

Test Band	Test Bandwidth	Test Channel	Test Mode	Test RB(Size#Offset)	Refer to Plot[Note3]	Verdict
Band 2	1.4 MHz	MCH	QPSK	RB1#0	11.1	Pass
	3 MHz	MCH	QPSK	RB1#0	11.2	Pass
	5 MHz	MCH	QPSK	RB1#0	11.3	Pass
	10 MHz	MCH	QPSK	RB1#0	11.4	Pass
	15 MHz	MCH	QPSK	RB1#0	11.5	Pass
	20 MHz	MCH	QPSK	RB1#0	11.6	Pass
Band 4	1.4 MHz	MCH	QPSK	RB1#0	12.1	Pass
	3 MHz	MCH	QPSK	RB1#0	12.2	Pass
	5 MHz	MCH	QPSK	RB1#0	12.3	Pass
	10 MHz	MCH	QPSK	RB1#0	12.4	Pass
	15 MHz	MCH	QPSK	RB1#0	12.5	Pass
	20 MHz	MCH	QPSK	RB1#0	12.6	Pass
Band 5	1.4 MHz	MCH	QPSK	RB1#0	13.1	Pass
	3 MHz	MCH	QPSK	RB1#0	13.2	Pass
	5 MHz	MCH	QPSK	RB1#0	13.3	Pass
	10 MHz	MCH	QPSK	RB1#0	13.4	Pass
Band 7	5 MHz	MCH	QPSK	RB1#0	14.1	Pass
	10 MHz	MCH	QPSK	RB1#0	14.2	Pass
	15 MHz	MCH	QPSK	RB1#0	14.3	Pass
	20 MHz	MCH	QPSK	RB1#0	14.4	Pass
Band 12	1.4 MHz	MCH	QPSK	RB1#0	15.1	Pass
	3 MHz	MCH	QPSK	RB1#0	15.2	Pass
	5 MHz	MCH	QPSK	RB1#0	15.3	Pass
	10 MHz	MCH	QPSK	RB1#0	15.4	Pass
Band 13	5 MHz	MCH	QPSK	RB1#0	16.1	Pass
	10 MHz	MCH	QPSK	RB1#0	16.2	Pass
Band 17	5 MHz	MCH	QPSK	RB1#0	17.1	Pass
	10 MHz	MCH	QPSK	RB1#0	17.2	Pass
Band 25	1.4 MHz	MCH	QPSK	RB1#0	18.1	Pass
	3 MHz	MCH	QPSK	RB1#0	18.2	Pass
	5 MHz	MCH	QPSK	RB1#0	18.3	Pass
	10 MHz	MCH	QPSK	RB1#0	18.4	Pass
	15 MHz	MCH	QPSK	RB1#0	18.5	Pass
	20 MHz	MCH	QPSK	RB1#0	18.6	Pass
Band 41	5 MHz	MCH	QPSK	RB1#0	19.1	Pass
	10 MHz	MCH	QPSK	RB1#0	19.2	Pass
	15 MHz	MCH	QPSK	RB1#0	19.3	Pass
	20 MHz	MCH	QPSK	RB1#0	19.4	Pass

A.8 Receiver Spurious Emissions

Note: Only the worst test results were recorded in this report.

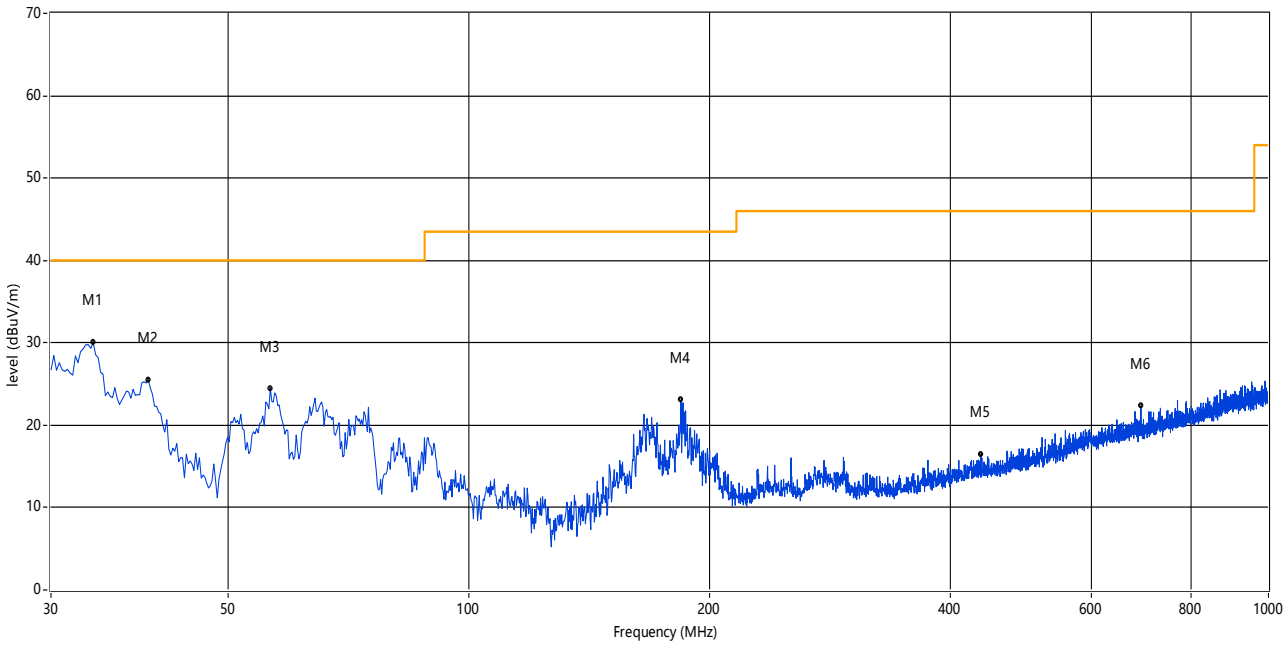
30MHz to 1GHz, ANT H



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
90.125	18.71	--	--	-30.34	--	43.5	--	24.79	0.00	200	Horizontal	Pass
164.554	20.62	--	--	-31.35	--	43.5	--	22.88	31.90	100	Horizontal	Pass
185.889	26.30	--	--	-29.96	--	43.5	--	17.20	0.00	100	Horizontal	Pass
428.570	17.00	--	--	-23.33	--	46.0	--	29.00	140.90	200	Horizontal	Pass
625.431	20.20	--	--	-18.56	--	46.0	--	25.80	270.90	200	Horizontal	Pass
886.538	24.98	--	--	-13.71	--	46.0	--	21.02	75.40	100	Horizontal	Pass

30MHz to 1GHz, ANT V

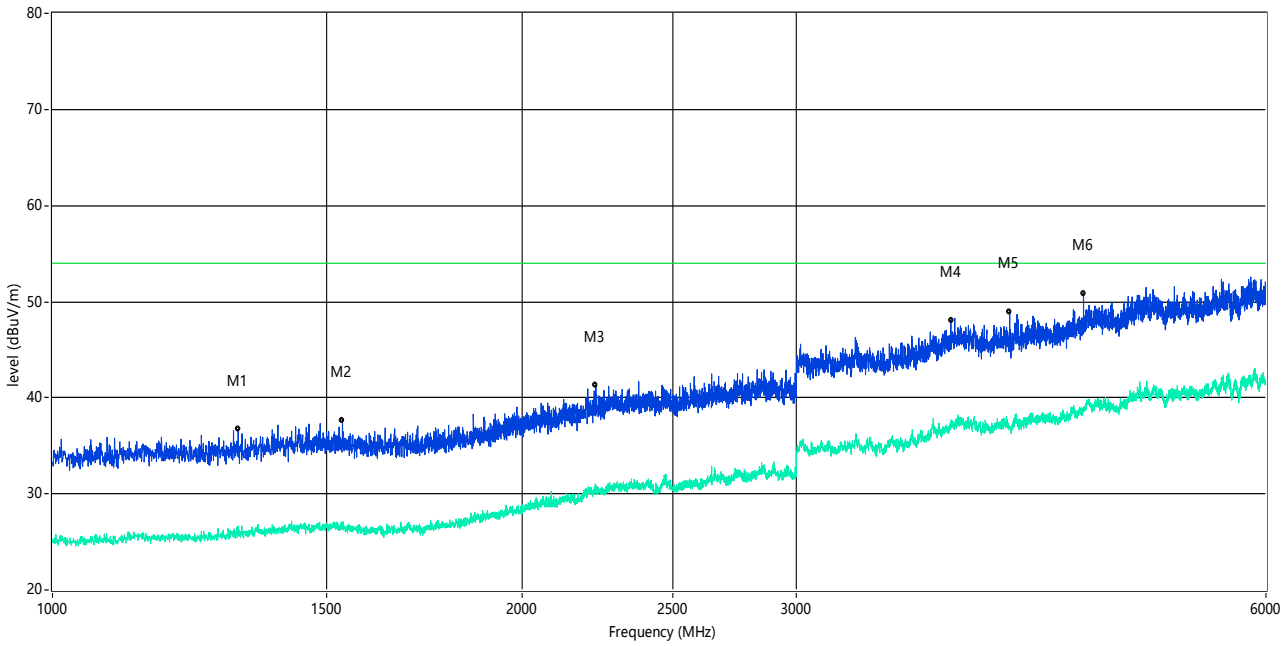
REmission Test case_FCC_IC_IC_Receive_30MHz-1GHz



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
33.879	30.01	--	--	-28.56	--	40.0	--	9.99	286.30	100	Vertical	Pass
39.698	25.53	--	--	-27.36	--	40.0	--	14.47	338.20	100	Vertical	Pass
56.426	24.46	--	--	-27.56	--	40.0	--	15.54	10.00	100	Vertical	Pass
184.191	23.08	--	--	-30.13	--	43.5	--	20.42	100.00	100	Vertical	Pass
436.571	16.47	--	--	-23.22	--	46.0	--	29.53	3.60	200	Vertical	Pass
692.587	22.31	--	--	-17.50	--	46.0	--	23.69	48.30	100	Vertical	Pass

1GHz to 6GHz, ANT H

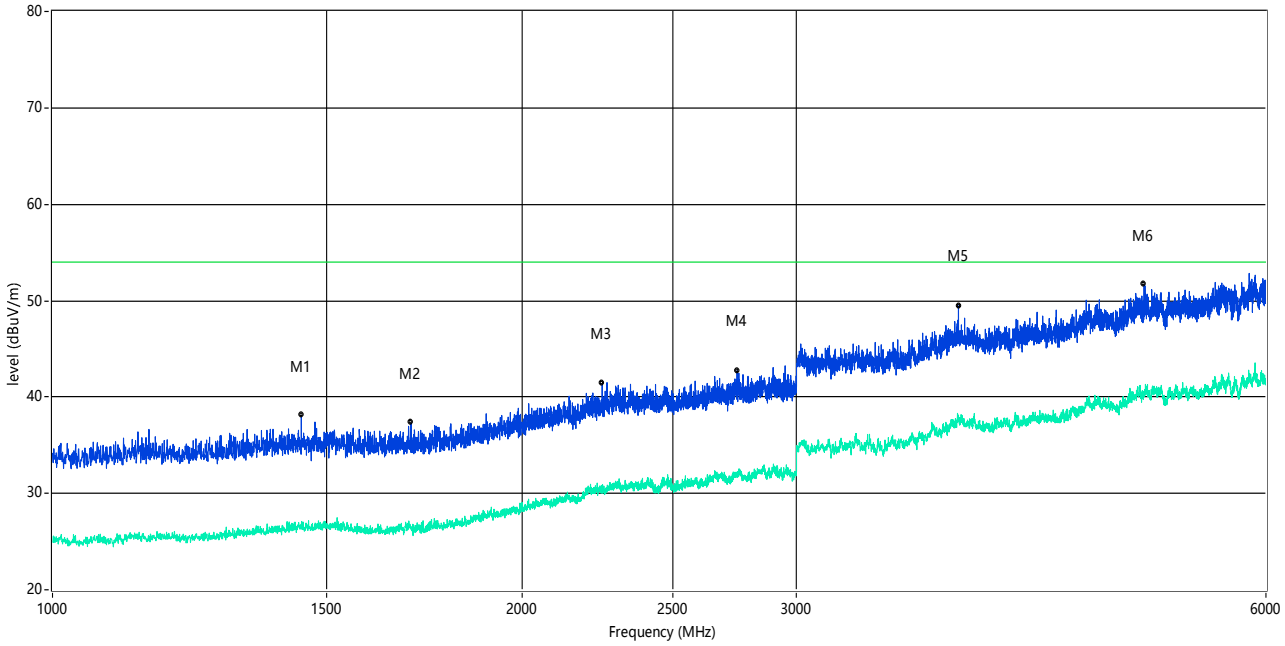
REmission Test case_FCC_IC_Receive 1-6GHz



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1315.421	36.71	--	26.7	-15.40	74.0	--	54.0	27.30	69.00	100	Horizontal	Pass
1534.366	37.64	--	26.4	-15.18	74.0	--	54.0	27.60	33.00	100	Horizontal	Pass
2230.692	41.27	--	30.8	-10.78	74.0	--	54.0	23.20	12.00	100	Horizontal	Pass
3767.808	48.03	--	37.6	-2.81	74.0	--	54.0	16.40	183.00	100	Horizontal	Pass
4109.723	48.92	--	36.9	-2.51	74.0	--	54.0	17.10	8.00	100	Horizontal	Pass
4583.604	50.81	--	39.0	-0.79	74.0	--	54.0	15.00	354.00	100	Horizontal	Pass

1GHz to 6GHz, ANT V

REmission Test case_FCC_IC_Receive 1-6GHz



Frequency (MHz)	Peak Level (dBuV/m)	Q-peak Level (dBuV/m)	Average Level (dBuV/m)	Factor (dB)	PK Limit (dBuV/m)	QP Limit (dBuV/m)	AV Limit (dBuV/m)	Margin (dB)	Table (o)	Height (cm)	ANT	Verdict
1443.889	38.09	--	26.7	-15.07	74.0	--	54.0	27.30	201.00	100	Vertical	Pass
1697.826	37.32	--	26.5	-15.28	74.0	--	54.0	27.50	49.00	100	Vertical	Pass
2251.687	41.39	--	30.5	-10.28	74.0	--	54.0	23.50	48.00	100	Vertical	Pass
2748.063	42.73	--	31.7	-8.55	74.0	--	54.0	22.30	51.00	100	Vertical	Pass
3810.547	49.45	--	38.1	-2.74	74.0	--	54.0	15.90	186.00	100	Vertical	Pass
5012.497	51.65	--	40.4	0.77	74.0	--	54.0	13.60	98.00	100	Vertical	Pass

ANNEX B TEST SETUP PHOTOS

Please refer to the document “BL- EC1840167-AR.PDF”.

ANNEX C EUT EXTERNAL PHOTOS

Please refer to the document “BL- EC1840167-AW.PDF”.

ANNEX D EUT INTERNAL PHOTOS

Please refer to the document “BL- EC1840167-AI.PDF”.

--END OF REPORT--